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DOD\AR 3450-3550 (Rev. 1) (Sufficient)

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DOD\AR 3450-3550 (Rev. 1) (Sufficient) - Freq-Geo Transition Timeline

Serial Number	System Name	Center Lower Frequency (MHz)	Upper Frequency (MHz)	Emission Bandwidth (MHz)	Receiver Bandwidth (MHz)	System Use Type Name	Operation Area	Transmitter State	Transmitter Latitude	Transmitter Longitude
AR100505	AN/TPQ-53	*****	0	*****	0	Fixed Radar	*****	KS	*****	*****
AR111214	AN/TPQ-53	*****	0	*****	0	Fixed Radar	*****	MD	*****	*****
AR111215	AN/TPQ-53	*****	0	*****	0	Fixed Radar	*****	MD	*****	*****
AR111216	AN/TPQ-53	*****	0	*****	0	Fixed Radar	*****	MD	*****	*****
AR130606	AN/TPQ-53	*****	0	*****	0	Fixed Radar	*****	CO	*****	*****
AR135167	AN/TPQ-53	*****	0	*****	0	Fixed Radar	*****	NC	*****	*****
AR135702	AN/TPQ-53	*****	0	*****	0	Fixed Radar	*****	OK	*****	*****
AR141406	AN/TPQ-53	*****	0	*****	0	Fixed Radar	*****	WA	*****	*****
AR141412	AN/TPQ-53	*****	0	*****	0	Fixed Radar	*****	WA	*****	*****
AR141683	AN/TPQ-53	*****	0	*****	0	Fixed Radar	*****	CO	*****	*****
AR145359	AN/TPQ-53	*****	0	*****	0	Fixed Radar	*****	GA	*****	*****
AR145365	AN/TPQ-53	*****	0	*****	0	Fixed Radar	*****	TN	*****	*****
AR145371	AN/TPQ-53	*****	0	*****	0	Fixed Radar	*****	MS	*****	*****
AR145392	AN/TPQ-53	*****	0	*****	0	Fixed Radar	*****	GA	*****	*****
AR151409	AN/TPQ-53	*****	0	*****	0	Fixed Radar	*****	OH	*****	*****
AR152600	AN/TPQ-53	*****	3500	*****	0	Fixed Radar	*****	NM	*****	*****
AR155115	AN/TPQ-53	*****	0	*****	0	Fixed Radar	*****	KY	*****	*****
AR155432	AN/TPQ-53	*****	0	*****	0	Fixed Radar	*****	NY	*****	*****
AR155433	AN/TPQ-53	*****	0	*****	0	Fixed Radar	*****	NY	*****	*****
AR155434	AN/TPQ-53	*****	0	*****	0	Fixed Radar	*****	NY	*****	*****
AR155438	AN/TPQ-53	*****	0	*****	0	Fixed Radar	*****	VA	*****	*****
AR155439	AN/TPQ-53	*****	0	*****	0	Fixed Radar	*****	VA	*****	*****
AR155440	AN/TPQ-53	*****	0	*****	0	Fixed Radar	*****	VA	*****	*****
AR155445	AN/TPQ-53	*****	0	*****	0	Fixed Radar	*****	VT	*****	*****
AR155446	AN/TPQ-53	*****	0	*****	0	Fixed Radar	*****	VT	*****	*****
AR155450	AN/TPQ-53	*****	0	*****	0	Fixed Radar	*****	PA	*****	*****
AR155451	AN/TPQ-53	*****	0	*****	0	Fixed Radar	*****	PA	*****	*****
AR155452	AN/TPQ-53	*****	0	*****	0	Fixed Radar	*****	PA	*****	*****
AR174079	AN/TPQ-53	*****	0	*****	0	Fixed Radar	*****	ID	*****	*****
AR184066	AN/TPQ-53	*****	0	*****	0	Fixed Radar	*****	MN	*****	*****
AR192454	AN/TPQ-53	*****	0	*****	0	Fixed Radar	*****	NM	*****	*****
AR192455	AN/TPQ-53	*****	0	*****	0	Fixed Radar	*****	NM	*****	*****
AR192730	AN/TPQ-53	*****	3500	*****	0	Fixed Radar	*****	AZ	*****	*****

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Serial Number	Receiver State	Receiver Latitude	Receiver Longitude	Frequency Remarks	Geographic Location associated with Timeline (AAO in this column indicates the timeline is associated with the geographic location defined by the Authorized Area of Operation in the frequency)	Sharing Type (Indefinite, Temporary i.e. Coordinated, or None)	Temporary Sharing Timeline (Months After 1/14/2022)	Indefinite Sharing Timeline (Months After 1/14/2022)
AR100505	KS	*****	*****		AoA	Indefinite		9
AR111214	MD	*****	*****		AoA	Indefinite		9
AR111215	MD	*****	*****		AoA	Indefinite		9
AR111216	MD	*****	*****		AoA	Indefinite		9
AR130606	CO	*****	*****		AoA	Indefinite		9
AR135167	NC	*****	*****		AoA	Indefinite		9
AR135702	OK	*****	*****		AoA	Indefinite		9
AR141406	WA	*****	*****		AoA	Indefinite		9
AR141412	WA	*****	*****		AoA	Indefinite		9
AR141683	CO	*****	*****		AoA	Indefinite		9
AR145359	GA	*****	*****		AoA	Indefinite		9
AR145365	TN	*****	*****		AoA	Indefinite		9
AR145371	MS	*****	*****		AoA	Indefinite		9
AR145392	GA	*****	*****		AoA	Indefinite		9
AR151409	OH	*****	*****		AoA	Indefinite		9
AR152600	NM	*****	*****		AoA	Indefinite		9
AR155115	KY	*****	*****		AoA	Indefinite		9
AR155432	NY	*****	*****		AoA	Indefinite		9
AR155433	NY	*****	*****		AoA	Indefinite		9
AR155434	NY	*****	*****		AoA	Indefinite		9
AR155438	VA	*****	*****		AoA	Indefinite		9
AR155439	VA	*****	*****		AoA	Indefinite		9
AR155440	VA	*****	*****		AoA	Indefinite		9
AR155445	VT	*****	*****		AoA	Indefinite		9
AR155446	VT	*****	*****		AoA	Indefinite		9
AR155450	PA	*****	*****		AoA	Indefinite		9
AR155451	PA	*****	*****		AoA	Indefinite		9
AR155452	PA	*****	*****		AoA	Indefinite		9
AR174079	ID	*****	*****		AoA	Indefinite		9
AR184066	MN	*****	*****		AoA	Indefinite		9
AR192454	NM	*****	*****		AoA	Indefinite		9
AR192455	NM	*****	*****		AoA	Indefinite		9
AR192730	AZ	*****	*****		AoA	Indefinite		9

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Serial Number	Vacate Assignment Timeline (Months After 1/14/2022)
AR100505	
AR111214	
AR111215	
AR111216	
AR130606	
AR135167	
AR135702	
AR141406	
AR141412	
AR141683	
AR145359	
AR145365	
AR145371	
AR145392	
AR151409	
AR152600	
AR155115	
AR155432	
AR155433	
AR155434	
AR155438	
AR155439	
AR155440	
AR155445	
AR155446	
AR155450	
AR155451	
AR155452	
AR174079	
AR184066	
AR192454	
AR192455	
AR192730	

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Serial Number	System Name	Center Lower Frequency (MHz)	Upper Frequency (MHz)	Emission Bandwidth (MHz)	Receiver Bandwidth (MHz)	System Use Type Name	Operation Area	Transmitter State	Transmitter Latitude	Transmitter Longitude
AR194107	AN/TPQ-53	*****	0	*****	0	Fixed Radar	*****	UT	*****	*****
AR194108	AN/TPQ-53	*****	0	*****	0	Fixed Radar	*****	UT	*****	*****
AR194196	AN/TPQ-53	*****	0	*****	0	Fixed Radar	*****	UT	*****	*****
AR195014	AN/TPQ-53	*****	0	*****	0	Fixed Radar	*****	KY	*****	*****
AR195015	AN/TPQ-53	*****	0	*****	0	Fixed Radar	*****	KY	*****	*****
AR195458	AN/TPQ-53	*****	0	*****	0	Fixed Radar	*****	NH	*****	*****
AR195461	AN/TPQ-53	*****	0	*****	0	Fixed Radar	*****	NH	*****	*****
AR200153	AN/TPQ-53	*****	0	*****	0	Fixed Radar	*****	KY	*****	*****

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Serial Number	Receiver State	Receiver Latitude	Receiver Longitude	Frequency Remarks	Geographic Location associated with Timeline (AAO in this column indicates the timeline is associated with the geographic location defined by the Authorized Area of Operation in the frequency)	Sharing Type (Indefinite, Temporary i.e. Coordinated, or None)	Temporary Sharing Timeline (Months After 1/14/2022)	Indefinite Sharing Timeline (Months After 1/14/2022)
AR194107	UT	*****	*****		AoA	Indefinite		9
AR194108	UT	*****	*****		AoA	Indefinite		9
AR194196	UT	*****	*****		AoA	Indefinite		9
AR195014	KY	*****	*****		AoA	Indefinite		9
AR195015	KY	*****	*****		AoA	Indefinite		9
AR195458	NH	*****	*****		AoA	Indefinite		9
AR195461	NH	*****	*****		AoA	Indefinite		9
AR200153	KY	*****	*****		AoA	Indefinite		9

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Serial Number	Vacate Assignment Timeline (Months After 1/14/2022)
AR194107	
AR194108	
AR194196	
AR195014	
AR195015	
AR195458	
AR195461	
AR200153	

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System Name	Total Pre-Auction Cost (\$M)	Funds Requested Prior to Auction (\$M)	Transition Implementation Cost (\$M)	Total Cost (\$M)	Begin Expenditure Timeline (Months after Receipt of Funds)	End Expenditure Timeline (Months after Receipt of Funds)	Expanded Capability Cost (\$M)
AN/TPQ-53	0.0000	0.0000	0.0000	0.0000			
ARMY 3450-3: RPS-42 Interim Study	0.9400	0.9400	0.0000	0.9400	1	30	
ARMY-3450-1: Army & Commercial Industry Deployment Coordination	3.8200	3.8200	14.7700	18.5900	1	78	
ARMY-3450-2: AN/TPQ-53 Counter Fire Radar Study & Modification	7.8250	7.8250	216.4400	224.2650	1	78	
ARMY-3450-4: Electromagnetic Warfare (EW) PEO STRI	1.0200	1.0200	0.0000	1.0200	1	30	
Sequestration	0.0000	0.0000	0.0000	0.0000			
Total	13.6050	13.6050	231.2100	244.8150			0.0000

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System Name	Expanded Capability Description	Expanded Capability Justification
AN/TPQ-53		
ARMY 3450-3: RPS-42 Interim Study		
ARMY-3450-1: Army & Commercial Industry Deployment Coordination		
ARMY-3450-2: AN/TPQ-53 Counter Fire Radar Study & Modification		
ARMY-3450-4: Electromagnetic Warfare (EW) PEO STRI		
Sequestration		
Total		

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DOD\AR 3450-3550 (Rev. 1) (Sufficient) - Interactions

Interaction Name	Interaction Description
Development of Coordination Guidelines For Federal Agencies and Industry:	Given the fact that most federal operations will still be in the band upon the award of licenses by the FCC and some federal operations will continue indefinitely in the band, specific coordination guidelines must be developed and published by NTIA (for federal agencies) and the FCC (for non-federal licensees).

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Factor Name	Factor Description
Incumbent Support	Incumbents will support interference testing to determine feasibility of co-existence and necessary equipment alterations, and they will support as necessary to address interference issues.
Transition Plan Includes Sensitive Information Not Releasable to the Public	In accordance with 47 USC 929 - National Security and Other Sensitive Information, the DoD CIO has determined that there is a legal basis for non-disclosure of certain information and that public disclosure of information designated CUI, taken in the aggregate as presented in this TP, would be detrimental to national security. Withholding the sensitive information has no impact on fulfillment of this transition plan as the protection areas and exclusion zones are already known to the public.

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Note Name	Note Text
3450-3550 MHz CPA and PUA	<p>Cooperative Planning Areas (CPA): Geographic locations in which non-federal operations shall coordinate with federal systems in the band to deploy non-federal operations, in a manner that shall not cause harmful interference to federal systems operating in the band and to protect non-federal operations from potential harm caused by high powered federal operations.</p> <p>Periodic Use Areas (PUA): Geographic locations where non-federal operations in the band may not cause harmful interference to federal systems operating in the band for episodic periods. During such episodic time periods, non-federal users in PUAs must alter their operations to enable federal systems' temporary use of the band, and during such times, non-federal users may not claim interference protection from federal systems outside of coordination procedures.</p>
5G Assumption	<p>DoD was required to plan protection to and from 5G. An agreed standard was not available. Special subgroup that included the White House Office of Science and Technology (OSTP), DoD, the Federal Communications Commission (FCC), National Telecommunications and Information Administration (NTIA), and National Science Foundation (NSF) provided 5G assumptions for development of the initial plan. It was concluded that DoD would continue to work towards the topline goals in the Transition Plan by refining the assumptions with industry.</p> <p>(1) 5G Base Station Transmitter Power Output as Effective Isotropic Radiated Power (EIRP): (a) Urban: 1640 watts per megahertz (W/MHz); (b) Non-Urban: 3280 W/MHz</p> <p>(2) 5G Base Station Receiver Characteristics: Interference Power Input Density -35 dBm per meter squared (dBm/m²) or 0.01 Volts per meter (V/m)</p> <p>(3) Maximum Power Input: +35 dBm/m²</p> <p>(4) 1 dB Compression (P1dB): -25 dBm for continuous wave signals referenced at antenna port</p> <p>(5) 20 MHz channels</p> <p>(6) Tower Height of 100 meters: Adjusted due to FCC requirement for an interference reporting declaration boundary</p>

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Note Name	Note Text
AMBIT Army 3450 MHz-1	<p>ARMY-3450-1: Army & Commercial Industry Deployment Coordination</p> <p>Objective(s):</p> <ul style="list-style-type: none">Provide management and oversight of Army Transition PlanCoordinate network laydown for 5G access for Industry while preserving critical DoD Readiness and OperationsEnsure no loss to existing capability of developmental testing and large-scale training <p>Achieved through bi-directional sharing agreement at 6 key installations</p> <p>System or Sites: Tobyhanna Army Depot, PA; Yuma Proving Grounds, AZ; WSMR, NM; Fort Sill, OK; National Training Center, CA; Joint Readiness Training Center, LA</p> <p>Readiness/Capability Impact:</p> <ul style="list-style-type: none">Inability to administrate sharing plans and effectively comply with federal business processes while supporting 5G requirements and protecting critical national security capabilities <p>Benefits:</p> <ul style="list-style-type: none">Establishes bi-directional spectrum use at identified sitesEnsures Army readiness and maintenance requirements

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Note Name	Note Text
<p>AMBIT Risks and Mitigation to DoD</p>	<p>In achieving the AMBIT Top Line goals, the DoD is accepting some risks and making assumptions that require further definition. The full operating electromagnetic environment is unknown and the definition of it is based on assumptions of 5G characteristics. The network laydowns are not yet available; as such, industry can be engaged to define a network laydown and engineering analysis to define CPAs and PUAs. The impact of ducting, particularly evaporation ducts for the Navy ships, are a known issue. An extensive detailed engineering analysis of the 5G environment and associated ducting can help address this issue. Out-of-band emissions are also a significant risk, in addition to unknown noise levels. Another definable problem includes a need for increased coordination between federal and non-federal entities for AMBIT to be successful. Spectrum compression due to increased number of systems in the lower band needs to be defined. In addition, DoD is incurring cost impacts as a result of increased testing, training, operational and acquisition timelines. This has a direct impact on critical electromagnetic warfare (EW) testing, training and exercise. Conducting analysis, research, and development and equipment modification or replacement to maintain comparable capability can help alleviate some of the unknowns. Potential solutions include but are not limited to:</p> <ul style="list-style-type: none"> a. Backlobe/sidelobe suppression b. Sparse signal processing c. Receiver noise reduction <p>As the network deploys, verification and validation of the electromagnetic environment can help provide a better picture of the new environment. Development of tools to reduce spectrum dependence from open-air testing and training as well as those to improve the efficiency of spectrum utilization can be utilized to mitigate some of the aforementioned issues. This in turn would assist in maintaining comparable capability and readiness in a shared spectrum environment. With adequate management, oversight and guidance of the transition, the overall transition plans will stand to see more viable success.</p>

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Note Name	Note Text
Army 3450 MHz-2	<p>ARMY-3450-2: AN/TPQ-53 Counter Fire Radar Study & Modification</p> <p>Objective(s): Conduct analysis of AN/TPQ-53 spectrum coexistence with overlapping operating frequencies 3450-3490 MHz Modify, test, and field AN/TPQ-53 hardware and software to maintain system agility and overall performance in a compressed and congested environment</p> <p>Systems or Sites: AN/TPQ-53</p> <p>Readiness/Capability Impact: Decreased training rate by 20%, reduced number of radars from 5 to 4 employed simultaneously for training; further decreased when employed with AN/RPS-42</p> <p>Interference from 5G networks to depot level radar far field testing Capability testing and large-scale training exercises limited to specific locations</p> <p>Benefit: Spectrum flexibility maintains large-scale training readiness, testing, and experimentation capabilities through compression, congestion, and spectrum sharing due to AMBIT 5G build-out</p>

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Note Name	Note Text
<p>Army 3450 MHz-3</p>	<p>ARMY-3450-3: Interim Maneuver Short Range Air Defense (IM-SHORAD) Study Objective(s): Conduct analysis of RPS-42 and AN/TPQ-53 spectrum coexistence interactions due to compression and congestion Investigate approaches to increase spectrum agility of RPS-42 to accommodate potential frequency expansion arrangements Investigate susceptibilities of RPS-42 to 5G emissions and 5G to RPS-42 emissions; identify appropriate mitigation strategies Systems: IM-SHORAD Sites: Tobyhanna Army Depot; PA; WSMR (primary test site), NM; Fort Sill, OK; National Training Center, CA; Joint Readiness Training Center, LA; Fort Bliss, TX; Fort Hood, TX; Joint Base Lewis McChord, WA; and Yakima Training Center, WA Readiness/Capability Impact: Reduced radar availability Increased maintenance timelines Reduced ranges for testing of new capabilities Benefit: Prevents losing large-scale training, testing, and experimentation capabilities due to compression, congestion, and coexistence when AN/TPQ-53 and RPS-42 operate in a significantly reduced shared frequency span. Study results will inform future IM-SHORAD tactics, techniques, and procedure development as well as informing technology insertions/upgrades</p>

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Note Name	Note Text
Army 3450 MHz-4	<p>ARMY-3450-4: Electromagnetic Warfare (EW) PEO STRI</p> <p>Objective(s):</p> <p>Conduct engineering analysis to identify the operational impact on the fleet of systems (communications, networks and range infrastructure/instrumentation) used by red/white cells during multi-domain operations due to the compressed operating environment resulting from spectrum sharing</p> <p>Define potential threat system modification and costs including design, range integration, testing, training, and retrofit</p> <p>System or Sites: Yuma Proving Grounds, AZ; WSMR, NM; Fort Huachuca Electronic Proving Grounds, AZ; Joint Base Lewis-McChord, WA; National Training Center, CA; and Joint Readiness Training Center, LA</p> <p>Readiness/Capability Impact:</p> <p>Reduced readiness and proficiency in protection ground forces operating in convoys, single vehicle operations, or fixed locations by blocking or jamming radio frequency (RF) signals intended to detonate improvised explosive devices (IEDs)</p> <p>Inability to provide Army Brigade Combat Team Commanders with an organic airborne offensive electromagnetic warfare (EW) capability</p> <p>Benefit: Maintain critical EW capabilities while providing 5G access</p>
Checkpoints	<p>It is recognized that a number of the identified solutions require further analysis and study. The final solutions will be compliant with allowable relocation or sharing costs and comparable capability of systems 47 USC 923(g)(3). Upon completion of each analysis and study effort, DOD will provide OMB with the results, and describe compliance with 47 USC 923(g)(3) so OMB can address its statutory oversight requirements. If requested, DOD will provide OMB status updates on analysis and study efforts via the SRF Resources Oversight Group (ROG). If required by OMB, Army will update its transition plan as specified in OMB's "Information for Eligible Federal Entities Related to Spectrum Transition Plan Updates (17-01)" to revise the cost estimate, funds expenditure timelines, or technical approach. No funds will be transferred until OMB has determined the appropriateness of the costs and the timeline for relocation or sharing in accordance with 47 USC 928(d)(2)(B).</p>
Modification of Assignments	<p>Upon conclusion of the transition, frequency assignments which authorize use in geographical areas that fall outside of CPAs and PUAs listed in US Footnote 431B will be modified to reflect operations shall not cause harmful interference to non-Federal operations in areas outside of the identified CPAs and PUAs.</p>
Project Background: AMBIT Plan Top Line Goals	<p>As agreed during the AMBIT effort, DoD will implement sharing via modifications to standard operating procedures (SOPs), tactics, techniques, and procedures (TTPs) or other operational-related means. Modifications to or replacement of some DoD equipment are required to restore comparable capability.</p>

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Note Name	Note Text
Timing of Funding Both Pre- and Post-Auction	DoD's timelines are based on the assumption that DoD will receive pre-auction funds no later than April 2021 and post auction funding in FY23Q1. If the auction date is accelerated, DoD assumes that post-auction funding will be received in FY22Q3. Additionally, DoD's costs and timelines assume that annual SRF disbursements will be received in Q1 of each FY. Should any receipt of funds be delayed, timelines and costs may need to be adjusted accordingly.

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Table	Row	Column	CUI Category	Safeguarding and/or Dissemination Authority
Frequencies	AR100505	Center Lower Frequency	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR100505	Emission Bandwidth	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR100505	Operation Area	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR100505	Receiver Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR100505	Receiver Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR100505	Transmitter Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR100505	Transmitter Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR111214	Center Lower Frequency	DoD Critical Infrastructure Security Information	10 USC 130e

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Table	Row	Column	CUI Category	Safeguarding and/or Dissemination Authority
Frequencies	AR111214	Emission Bandwidth	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR111214	Operation Area	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR111214	Receiver Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR111214	Receiver Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR111214	Transmitter Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR111214	Transmitter Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR111215	Center Lower Frequency	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR111215	Emission Bandwidth	DoD Critical Infrastructure Security Information	10 USC 130e

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Table	Row	Column	CUI Category	Safeguarding and/or Dissemination Authority
Frequencies	AR111215	Operation Area	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR111215	Receiver Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR111215	Receiver Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR111215	Transmitter Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR111215	Transmitter Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR111216	Center Lower Frequency	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR111216	Emission Bandwidth	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR111216	Operation Area	DoD Critical Infrastructure Security Information	10 USC 130e

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Table	Row	Column	CUI Category	Safeguarding and/or Dissemination Authority
Frequencies	AR111216	Receiver Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR111216	Receiver Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR111216	Transmitter Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR111216	Transmitter Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR130606	Center Lower Frequency	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR130606	Emission Bandwidth	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR130606	Operation Area	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR130606	Receiver Latitude	DoD Critical Infrastructure Security Information	10 USC 130e

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Table	Row	Column	CUI Category	Safeguarding and/or Dissemination Authority
Frequencies	AR130606	Receiver Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR130606	Transmitter Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR130606	Transmitter Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR135167	Center Lower Frequency	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR135167	Emission Bandwidth	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR135167	Operation Area	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR135167	Receiver Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR135167	Receiver Longitude	DoD Critical Infrastructure Security Information	10 USC 130e

Releasable

DOD\AR 3450-3550 (Rev. 1) (Sufficient) - Excluded Info

Table	Row	Column	CUI Category	Safeguarding and/or Dissemination Authority
Frequencies	AR135167	Transmitter Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR135167	Transmitter Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR135702	Center Lower Frequency	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR135702	Emission Bandwidth	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR135702	Operation Area	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR135702	Receiver Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR135702	Receiver Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR135702	Transmitter Latitude	DoD Critical Infrastructure Security Information	10 USC 130e

Releasable

DOD\AR 3450-3550 (Rev. 1) (Sufficient) - Excluded Info

Table	Row	Column	CUI Category	Safeguarding and/or Dissemination Authority
Frequencies	AR135702	Transmitter Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR141406	Center Lower Frequency	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR141406	Emission Bandwidth	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR141406	Operation Area	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR141406	Receiver Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR141406	Receiver Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR141406	Transmitter Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR141406	Transmitter Longitude	DoD Critical Infrastructure Security Information	10 USC 130e

Releasable

DOD\AR 3450-3550 (Rev. 1) (Sufficient) - Excluded Info

Table	Row	Column	CUI Category	Safeguarding and/or Dissemination Authority
Frequencies	AR141412	Center Lower Frequency	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR141412	Emission Bandwidth	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR141412	Operation Area	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR141412	Receiver Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR141412	Receiver Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR141412	Transmitter Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR141412	Transmitter Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR141683	Center Lower Frequency	DoD Critical Infrastructure Security Information	10 USC 130e

Releasable

DOD\AR 3450-3550 (Rev. 1) (Sufficient) - Excluded Info

Table	Row	Column	CUI Category	Safeguarding and/or Dissemination Authority
Frequencies	AR141683	Emission Bandwidth	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR141683	Operation Area	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR141683	Receiver Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR141683	Receiver Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR141683	Transmitter Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR141683	Transmitter Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR145359	Center Lower Frequency	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR145359	Emission Bandwidth	DoD Critical Infrastructure Security Information	10 USC 130e

Releasable

DOD\AR 3450-3550 (Rev. 1) (Sufficient) - Excluded Info

Table	Row	Column	CUI Category	Safeguarding and/or Dissemination Authority
Frequencies	AR145359	Operation Area	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR145359	Receiver Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR145359	Receiver Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR145359	Transmitter Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR145359	Transmitter Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR145365	Center Lower Frequency	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR145365	Emission Bandwidth	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR145365	Operation Area	DoD Critical Infrastructure Security Information	10 USC 130e

Releasable

DOD\AR 3450-3550 (Rev. 1) (Sufficient) - Excluded Info

Table	Row	Column	CUI Category	Safeguarding and/or Dissemination Authority
Frequencies	AR145365	Receiver Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR145365	Receiver Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR145365	Transmitter Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR145365	Transmitter Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR145371	Center Lower Frequency	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR145371	Emission Bandwidth	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR145371	Operation Area	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR145371	Receiver Latitude	DoD Critical Infrastructure Security Information	10 USC 130e

Releasable

DOD\AR 3450-3550 (Rev. 1) (Sufficient) - Excluded Info

Table	Row	Column	CUI Category	Safeguarding and/or Dissemination Authority
Frequencies	AR145371	Receiver Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR145371	Transmitter Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR145371	Transmitter Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR145392	Center Lower Frequency	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR145392	Emission Bandwidth	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR145392	Operation Area	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR145392	Receiver Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR145392	Receiver Longitude	DoD Critical Infrastructure Security Information	10 USC 130e

Releasable

DOD\AR 3450-3550 (Rev. 1) (Sufficient) - Excluded Info

Table	Row	Column	CUI Category	Safeguarding and/or Dissemination Authority
Frequencies	AR145392	Transmitter Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR145392	Transmitter Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR151409	Center Lower Frequency	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR151409	Emission Bandwidth	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR151409	Operation Area	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR151409	Receiver Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR151409	Receiver Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR151409	Transmitter Latitude	DoD Critical Infrastructure Security Information	10 USC 130e

Releasable

DOD\AR 3450-3550 (Rev. 1) (Sufficient) - Excluded Info

Table	Row	Column	CUI Category	Safeguarding and/or Dissemination Authority
Frequencies	AR151409	Transmitter Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR152600	Center Lower Frequency	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR152600	Emission Bandwidth	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR152600	Operation Area	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR152600	Receiver Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR152600	Receiver Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR152600	Transmitter Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR152600	Transmitter Longitude	DoD Critical Infrastructure Security Information	10 USC 130e

Releasable

DOD\AR 3450-3550 (Rev. 1) (Sufficient) - Excluded Info

Table	Row	Column	CUI Category	Safeguarding and/or Dissemination Authority
Frequencies	AR155115	Center Lower Frequency	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155115	Emission Bandwidth	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155115	Operation Area	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155115	Receiver Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155115	Receiver Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155115	Transmitter Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155115	Transmitter Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155432	Center Lower Frequency	DoD Critical Infrastructure Security Information	10 USC 130e

Releasable

DOD\AR 3450-3550 (Rev. 1) (Sufficient) - Excluded Info

Table	Row	Column	CUI Category	Safeguarding and/or Dissemination Authority
Frequencies	AR155432	Emission Bandwidth	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155432	Operation Area	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155432	Receiver Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155432	Receiver Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155432	Transmitter Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155432	Transmitter Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155433	Center Lower Frequency	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155433	Emission Bandwidth	DoD Critical Infrastructure Security Information	10 USC 130e

Releasable

DOD\AR 3450-3550 (Rev. 1) (Sufficient) - Excluded Info

Table	Row	Column	CUI Category	Safeguarding and/or Dissemination Authority
Frequencies	AR155433	Operation Area	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155433	Receiver Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155433	Receiver Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155433	Transmitter Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155433	Transmitter Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155434	Center Lower Frequency	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155434	Emission Bandwidth	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155434	Operation Area	DoD Critical Infrastructure Security Information	10 USC 130e

Releasable

DOD\AR 3450-3550 (Rev. 1) (Sufficient) - Excluded Info

Table	Row	Column	CUI Category	Safeguarding and/or Dissemination Authority
Frequencies	AR155434	Receiver Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155434	Receiver Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155434	Transmitter Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155434	Transmitter Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155438	Center Lower Frequency	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155438	Emission Bandwidth	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155438	Operation Area	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155438	Receiver Latitude	DoD Critical Infrastructure Security Information	10 USC 130e

Releasable

DOD\AR 3450-3550 (Rev. 1) (Sufficient) - Excluded Info

Table	Row	Column	CUI Category	Safeguarding and/or Dissemination Authority
Frequencies	AR155438	Receiver Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155438	Transmitter Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155438	Transmitter Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155439	Center Lower Frequency	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155439	Emission Bandwidth	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155439	Operation Area	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155439	Receiver Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155439	Receiver Longitude	DoD Critical Infrastructure Security Information	10 USC 130e

Releasable

DOD\AR 3450-3550 (Rev. 1) (Sufficient) - Excluded Info

Table	Row	Column	CUI Category	Safeguarding and/or Dissemination Authority
Frequencies	AR155439	Transmitter Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155439	Transmitter Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155440	Center Lower Frequency	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155440	Emission Bandwidth	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155440	Operation Area	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155440	Receiver Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155440	Receiver Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155440	Transmitter Latitude	DoD Critical Infrastructure Security Information	10 USC 130e

Releasable

DOD\AR 3450-3550 (Rev. 1) (Sufficient) - Excluded Info

Table	Row	Column	CUI Category	Safeguarding and/or Dissemination Authority
Frequencies	AR155440	Transmitter Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155445	Center Lower Frequency	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155445	Emission Bandwidth	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155445	Operation Area	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155445	Receiver Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155445	Receiver Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155445	Transmitter Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155445	Transmitter Longitude	DoD Critical Infrastructure Security Information	10 USC 130e

Releasable

DOD\AR 3450-3550 (Rev. 1) (Sufficient) - Excluded Info

Table	Row	Column	CUI Category	Safeguarding and/or Dissemination Authority
Frequencies	AR155446	Center Lower Frequency	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155446	Emission Bandwidth	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155446	Operation Area	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155446	Receiver Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155446	Receiver Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155446	Transmitter Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155446	Transmitter Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155450	Center Lower Frequency	DoD Critical Infrastructure Security Information	10 USC 130e

Releasable

DOD\AR 3450-3550 (Rev. 1) (Sufficient) - Excluded Info

Table	Row	Column	CUI Category	Safeguarding and/or Dissemination Authority
Frequencies	AR155450	Emission Bandwidth	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155450	Operation Area	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155450	Receiver Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155450	Receiver Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155450	Transmitter Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155450	Transmitter Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155451	Center Lower Frequency	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155451	Emission Bandwidth	DoD Critical Infrastructure Security Information	10 USC 130e

Releasable

DOD\AR 3450-3550 (Rev. 1) (Sufficient) - Excluded Info

Table	Row	Column	CUI Category	Safeguarding and/or Dissemination Authority
Frequencies	AR155451	Operation Area	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155451	Receiver Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155451	Receiver Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155451	Transmitter Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155451	Transmitter Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155452	Center Lower Frequency	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155452	Emission Bandwidth	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155452	Operation Area	DoD Critical Infrastructure Security Information	10 USC 130e

Releasable

DOD\AR 3450-3550 (Rev. 1) (Sufficient) - Excluded Info

Table	Row	Column	CUI Category	Safeguarding and/or Dissemination Authority
Frequencies	AR155452	Receiver Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155452	Receiver Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155452	Transmitter Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR155452	Transmitter Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR174079	Center Lower Frequency	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR174079	Emission Bandwidth	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR174079	Operation Area	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR174079	Receiver Latitude	DoD Critical Infrastructure Security Information	10 USC 130e

Releasable

DOD\AR 3450-3550 (Rev. 1) (Sufficient) - Excluded Info

Table	Row	Column	CUI Category	Safeguarding and/or Dissemination Authority
Frequencies	AR174079	Receiver Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR174079	Transmitter Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR174079	Transmitter Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR184066	Center Lower Frequency	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR184066	Emission Bandwidth	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR184066	Operation Area	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR184066	Receiver Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR184066	Receiver Longitude	DoD Critical Infrastructure Security Information	10 USC 130e

Releasable

DOD\AR 3450-3550 (Rev. 1) (Sufficient) - Excluded Info

Table	Row	Column	CUI Category	Safeguarding and/or Dissemination Authority
Frequencies	AR184066	Transmitter Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR184066	Transmitter Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR192454	Center Lower Frequency	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR192454	Emission Bandwidth	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR192454	Operation Area	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR192454	Receiver Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR192454	Receiver Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR192454	Transmitter Latitude	DoD Critical Infrastructure Security Information	10 USC 130e

Releasable

DOD\AR 3450-3550 (Rev. 1) (Sufficient) - Excluded Info

Table	Row	Column	CUI Category	Safeguarding and/or Dissemination Authority
Frequencies	AR192454	Transmitter Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR192455	Center Lower Frequency	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR192455	Emission Bandwidth	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR192455	Operation Area	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR192455	Receiver Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR192455	Receiver Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR192455	Transmitter Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR192455	Transmitter Longitude	DoD Critical Infrastructure Security Information	10 USC 130e

Releasable

DOD\AR 3450-3550 (Rev. 1) (Sufficient) - Excluded Info

Table	Row	Column	CUI Category	Safeguarding and/or Dissemination Authority
Frequencies	AR192730	Center Lower Frequency	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR192730	Emission Bandwidth	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR192730	Operation Area	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR192730	Receiver Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR192730	Receiver Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR192730	Transmitter Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR192730	Transmitter Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR194107	Center Lower Frequency	DoD Critical Infrastructure Security Information	10 USC 130e

Releasable

DOD\AR 3450-3550 (Rev. 1) (Sufficient) - Excluded Info

Table	Row	Column	CUI Category	Safeguarding and/or Dissemination Authority
Frequencies	AR194107	Emission Bandwidth	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR194107	Operation Area	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR194107	Receiver Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR194107	Receiver Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR194107	Transmitter Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR194107	Transmitter Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR194108	Center Lower Frequency	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR194108	Emission Bandwidth	DoD Critical Infrastructure Security Information	10 USC 130e

Releasable

DOD\AR 3450-3550 (Rev. 1) (Sufficient) - Excluded Info

Table	Row	Column	CUI Category	Safeguarding and/or Dissemination Authority
Frequencies	AR194108	Operation Area	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR194108	Receiver Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR194108	Receiver Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR194108	Transmitter Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR194108	Transmitter Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR194196	Center Lower Frequency	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR194196	Emission Bandwidth	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR194196	Operation Area	DoD Critical Infrastructure Security Information	10 USC 130e

Releasable

DOD\AR 3450-3550 (Rev. 1) (Sufficient) - Excluded Info

Table	Row	Column	CUI Category	Safeguarding and/or Dissemination Authority
Frequencies	AR194196	Receiver Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR194196	Receiver Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR194196	Transmitter Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR194196	Transmitter Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR195014	Center Lower Frequency	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR195014	Emission Bandwidth	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR195014	Operation Area	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR195014	Receiver Latitude	DoD Critical Infrastructure Security Information	10 USC 130e

Releasable

DOD\AR 3450-3550 (Rev. 1) (Sufficient) - Excluded Info

Table	Row	Column	CUI Category	Safeguarding and/or Dissemination Authority
Frequencies	AR195014	Receiver Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR195014	Transmitter Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR195014	Transmitter Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR195015	Center Lower Frequency	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR195015	Emission Bandwidth	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR195015	Operation Area	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR195015	Receiver Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR195015	Receiver Longitude	DoD Critical Infrastructure Security Information	10 USC 130e

Releasable

DOD\AR 3450-3550 (Rev. 1) (Sufficient) - Excluded Info

Table	Row	Column	CUI Category	Safeguarding and/or Dissemination Authority
Frequencies	AR195015	Transmitter Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR195015	Transmitter Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR195458	Center Lower Frequency	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR195458	Emission Bandwidth	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR195458	Operation Area	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR195458	Receiver Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR195458	Receiver Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR195458	Transmitter Latitude	DoD Critical Infrastructure Security Information	10 USC 130e

Releasable

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Table	Row	Column	CUI Category	Safeguarding and/or Dissemination Authority
Frequencies	AR195458	Transmitter Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR195461	Center Lower Frequency	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR195461	Emission Bandwidth	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR195461	Operation Area	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR195461	Receiver Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR195461	Receiver Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR195461	Transmitter Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR195461	Transmitter Longitude	DoD Critical Infrastructure Security Information	10 USC 130e

Releasable

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Table	Row	Column	CUI Category	Safeguarding and/or Dissemination Authority
Frequencies	AR200153	Center Lower Frequency	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR200153	Emission Bandwidth	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR200153	Operation Area	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR200153	Receiver Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR200153	Receiver Longitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR200153	Transmitter Latitude	DoD Critical Infrastructure Security Information	10 USC 130e
Frequencies	AR200153	Transmitter Longitude	DoD Critical Infrastructure Security Information	10 USC 130e