



427 West 12800 South
Draper, UT 84020

Test Report Certification

FCC ID	SWX-U7ID
ISED ID	6545A-U7ID
Equipment Under Test	U7-Industrial
Test Report Serial Number	TR10942_01
Date of Test(s)	13, 21 - 22, 16 May; 4 June; 7 - 8, 13 - 14, 30 July: 16 August 2026
Report Issue Date	20 August 2026

Test Specification	Applicant
47 CFR FCC Part 15, Subpart E RSS-247, Issue 4 (July 2025)	Ubiquiti Inc. 685 Third Avenue New York, NY 10017 U.S.A.



Certification of Engineering Report

This report has been prepared by Unified Compliance Laboratory (UCL) to document compliance of the device described below with the requirement of Federal Communication Commissions (FCC) Part 15, Subpart E. This report may be reproduced in full. Partial reproduction of this report may only be made with the written consent of the laboratory. The results in this report apply only to the sample tested with the specifications provided by the manufacturer.

Applicant	Ubiquiti Inc.
Manufacturer	Ubiquiti Inc.
Brand Name	UBIQUITI
Model Number	U7-Industrial
FCC ID	SWX-U7ID
ISED ID	6545A-U7ID

On this 20th day of August 2026, I individually and for Unified Compliance Laboratory certify that the statements made in this engineering report are true, complete and correct to the best of my knowledge and are made in good faith. Unified Compliance laboratory is not responsible for incorrect information provided by the manufacturer.

Although NVLAP has accredited the Unified Compliance Laboratory testing facilities, this report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the U.S. federal government.

Unified Compliance Laboratory


Written By: Joseph W. Jackson
Reviewed By: Kimberly DeBole

Revision History		
Revision	Description	Date
01	Original Report Release	8/20/2026

Table of Contents

1	Client Information.....	5
1.1	Applicant.....	5
1.2	Manufacturer.....	5
2	Equipment Under Test (EUT).....	6
2.1	Identification of EUT	6
2.2	Description of EUT	6
2.3	EUT and Support Equipment.....	7
2.4	Interface Ports on EUT	8
2.5	Operating Environment.....	8
2.6	Operating Modes.....	8
2.7	EUT Exercise Software.....	8
2.8	Block Diagram of Test Configuration	9
2.9	Modification Incorporated/Special Accessories on EUT.....	9
2.10	Deviation, Opinions Additional Information or Interpretations from Test Standard.....	9
3	Test Specification, Method and Procedures.....	10
3.1	Test Specification.....	10
3.2	Methods & Procedures.....	10
3.3	FCC Part 15, Subpart E.....	10
3.4	Results.....	10
3.5	Test Location	11
4	Test Equipment.....	12
4.1	Conducted Emissions at Mains Ports.....	12
4.2	Direct Connect at the Antenna Port Tests.....	12
4.3	Radiated Emissions.....	13
4.4	DFS Testing	14
4.5	Equipment Calibration	15
4.6	Measurement Uncertainty.....	15
5	Test Results.....	16
5.1	§15.203 Antenna Requirements.....	16
5.2	§15.207 Conducted Emissions at Mains Ports Data	17
5.3	§15.407(a) 26 dB Emissions Bandwidth.....	19
5.4	§15.407(a)(2) Maximum Average Output Power	23
5.5	§15.407(b) Spurious Emissions	33
5.6	§15.407(a) Maximum Power Spectral Density.....	54
5.7	DFS Requirement.....	64

1 Client Information

1.1 Applicant

Company	Ubiquiti Inc. 685 Third Avenue New York, NY 10017 U.S.A.
Contact Name	Alex Macon
Title	Compliance Officer

1.2 Manufacturer

Company	Ubiquiti Inc. 685 Third Avenue New York, NY 10017 U.S.A.
Contact Name	Alex Macon
Title	Compliance Officer

2 Equipment Under Test (EUT)

2.1 Identification of EUT

Brand Name	UBIQUITI
Model Number	U7-Industrial
Serial Number	B02601
Dimensions (cm)	17.0 x 15.0 x 3.5

2.2 Description of EUT

The U7-Industrial is an outdoor WiFi 7 access point with a dual band 2.4 GHz and 5 GHz 2x2 transmitter. The U7-Industrial supports 3.6 Gbps aggregate throughput rate. The U7-Industrial contains built-in high-gain antennas with removable reflectors for adjustable beam width, or external omni antennas for 360-degree coverage. The U7-Industrial is powered by a U-POE+ power adapter.

This device does not support channel puncturing.

For CDD transmission, direction gain is calculated as follows.

Array Gain = $10 \log(\text{NANT}/\text{NSS})$ dB

NANT = number of transmit antennas and NSS = number of spatial streams. NSS = 1 considered worst case. For power measurements on IEEE 802.11 devices, Array Gain = 0 dB for $\text{NANT} \leq 4$;

For PSD measurements when $\text{Nss}=1$: Array Gain = $10 \log(\text{NANT}/\text{NSS})$ dB + Antenna Gain (dBi). Or $3.01 \text{ dB} + 12 \text{ dBi} = 15.01 \text{ dBi}$ for the internal Patch antenna.

For PSD measurements when $\text{Nss}=1$: Array Gain = $10 \log(\text{NANT}/\text{NSS})$ dB + Antenna Gain (dBi). Or $3.01 \text{ dB} + 10 \text{ dBi} = 13.01 \text{ dBi}$ for the internal Patch antenna.

For PSD measurements when $\text{Nss}=1$: Array Gain = $10 \log(\text{NANT}/\text{NSS})$ dB + Antenna Gain (dBi). Or $3.01 \text{ dB} + 6 \text{ dBi} = 9.01 \text{ dBi}$ for the external Dipole antenna.

The U7-Industrial uses Transmit Power (TP) Control protocol and is included in the power tables of Section 5.4.

Band	Modulation Bandwidth	Frequency (MHz)
UNII-2A	20 MHz	5260, 5265, 5270, 5275, 5280, 5285, 5290, 5295, 5300, 5305, 5310, 5315, 5320
	40 MHz	5270, 5275, 5280, 5285, 5290, 5295, 5300, 5305, 5310
	80 MHz	5290
	160 MHz	5250
UNII-2C	20 MHz	5500, 5505, 5510, 5515, 5520, 5525, 5530, 5535, 5540, 5545, 5550, 5555, 5560, 5565, 5570, 5575, 5580, 5585, 5590, 5595, 5600*, 5605*, 5610*, 5615*, 5620*, 5625*, 5630*, 5635*, 5640*, 5645*, 5650, 5655, 5660, 5665, 5670, 5675, 5680, 5685, 5690, 5695, 5700, 5705, 5710, 5715, 5720
	40 MHz	5510, 5515, 5520, 5525, 5530, 5535, 5540, 5545, 5550, 5555, 5560, 5565, 5570, 5575, 5580, 5585, 5590, 5595, 5600*, 5605*, 5610*, 5615*, 5620*, 5625*, 5630*, 5635*, 5640*, 5645*, 5650, 5655, 5660, 5665, 5670, 5675, 5680, 5685, 5690, 5695, 5700, 5705, 5710
	80 MHz	5530, 5535, 5540, 5545, 5550, 5555, 5560, 5565, 5570, 5575, 5580, 5585, 5590, 5595, 5600*, 5605*, 5610*, 5615*, 5620*, 5625*, 5630*, 5635*, 5640*, 5645*, 5650, 5655, 5660, 5665, 5670, 5675, 5680, 5685, 5690
	160 MHz	5570
* Frequency not applicable in Canada		

Table 1: UNII-2A and UNII-2C Channel Settings

This report covers the circuitry of the device subject to FCC Part 15, Subpart E. The circuitry of the device subject to FCC Part 15 Subpart B was found to be compliant and is covered under a separate Unified Compliance Laboratory test report.

2.3 EUT and Support Equipment

The EUT and support equipment used during the test are listed below.

Brand Name Model Number Serial Number	Description	Name of Interface Ports / Interface Cables
BN: UBIQUITI MN: U7-Industrial SN: B02601	Wireless Access Point	See Section 2.4
BN: UBIQUITI MN: U-POE+ SN: N/A	PoE Injector	PoE Output / Shielded Cat 5E/ unshielded Cat 5E to AE
BN: Dell MN: XPS 13	Laptop Personal Computer (For Testing Only)	LAN Port / Un-shielded Cat 5e cable (Note 2)

SN: N/A		
---------	--	--

Notes: (1) EUT

(2) Interface port connected to EUT (See Section 2.4)

The support equipment listed above was not modified in order to achieve compliance with this standard.

2.4 Interface Ports on EUT

Name of Ports	No. of Ports Fitted to EUT	Cable Description/Length
PoE Input	1	3m Unshielded Cat 5E
PoE Output (PoE Injector)	1	3m Unshielded Cat 5E to U7-Pro-XG-Wall PoE Input
LAN (PoE Injector)	1	1m unshielded Cat 5E to Laptop PC
AC (PoE Injector)	1	3 Conductor power cord to AC mains/80cm

2.5 Operating Environment

Power Supply	120 Vac to PoE Power
AC Mains Frequency	60 Hz
Temperature	21.1 - 22.9 °C
Humidity	23.4 - 30.8 %
Barometric Pressure	1012 mBar

2.6 Operating Modes

The U7-Industrial was tested using test software in order to enable a constant transmission. The measurements within this report are corrected to reference a 100% duty cycle. All emission modes of 802.11 a/b/e were investigated. All measurements are reported with the worst-case mode (802.11b maximum conducted output power and maximum power spectral density) unless otherwise stated.

2.7 EUT Exercise Software

EUT firmware version 1.0 was used to operate the transmitter using a constant transmit mode.

2.8 Block Diagram of Test Configuration

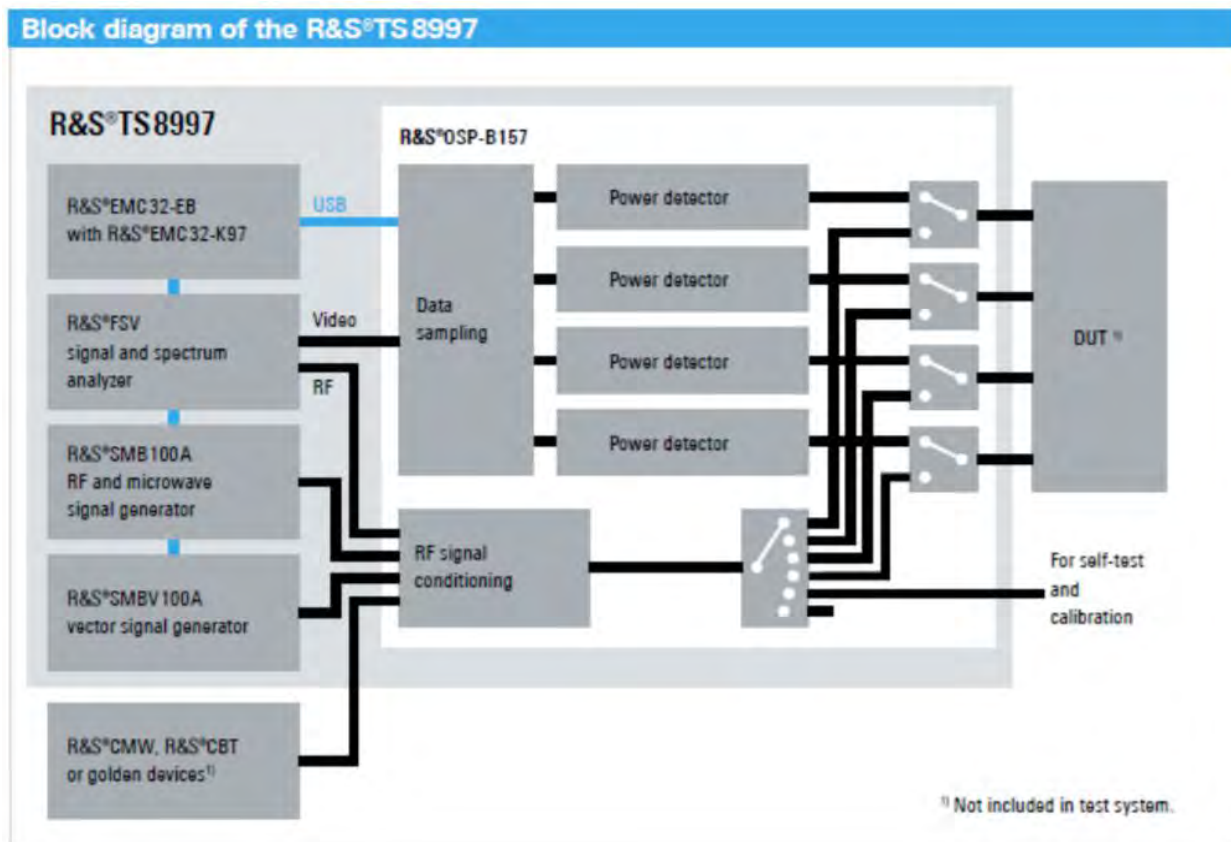


Diagram 1: Test Configuration Block Diagram

2.9 Modification Incorporated/Special Accessories on EUT

There were no modifications made to the EUT during testing to comply with the specification.

2.10 Deviation, Opinions Additional Information or Interpretations from Test Standard

There were no deviations, opinions, additional information or interpretations from the test specification.

3 Test Specification, Method and Procedures

3.1 Test Specification

Title	47 CFR FCC Part 15, Subpart E, Section 15.407 Limits and methods of measurement of radio interference characteristics of Unlicensed National Information Infrastructure Devices
Purpose of Test	The tests were performed to demonstrate initial compliance

3.2 Methods & Procedures

3.2.1 47 CFR FCC Part 15 Section 15.407

See test standard for details.

3.3 FCC Part 15, Subpart E

3.3.1 Summary of Tests

FCC Section	ISED Section	Environmental Phenomena	Frequency Range (MHZ)	Result
15.203	N/A	Antenna requirements	Structural Requirement	Compliant
15.207	RSS-Gen	Conducted Disturbance at Mains Port	0.15 to 30	Compliant
15.407(a)	RSS-247 §6.2.2	Bandwidth Requirement	5260 to 5720	Compliant
15.407(a)	RSS-247 §6.2.2, §6.2.3	Peak Output Power	5260 to 5720	Compliant
15.407(b)	RSS-247 §6.2.2, §6.2.3	Antenna Conducted Spurious Emissions	0.009 to 40000	N/A Note ¹
15.209	RSS-247 §6.2.2, §6.2.3	Radiated Spurious Emissions	0.009 to 40000	Compliant
15.407(a)	RSS-247 §6.2.2, §6.2.3	Peak Power Spectral Density	5260 to 5720	Compliant
15.407(h)	RSS-247 §6.3	DFS Requirements	5260 to 5720	Compliant

The testing was performed according to the procedures in ANSI C63.10-2020+Cor.1-2023+C63.10a-2024+Errata to C63.10a-2024, KDB 558074 and 47 CFR Part 15. Where applicable, KDB 662911 was followed to sum required measurements.

Note ¹: Radiated Spurious was performed per 15.209 with the antenna unterminated.

3.4 Results

In the configuration tested, the EUT complied with the requirements of the specification.

3.5 Test Location

Testing was performed at the Unified Compliance Laboratory 3-Meter and 10-Meter chambers located at 427 West 12800 South, Draper, UT 84020. Unified Compliance Laboratory is accredited by National Voluntary Laboratory Accreditation Program (NVLAP); NVLAP Code 600241-0 which is effective until 30 June 2027. This site has also been registered with Innovations, Science and Economic Development (ISED) department as was accepted under Appendix B, Phase 1 procedures of the APEC Tel MRA for Canadian recognition. ISED No.: 25346, effective until 30 June 2027.

Unified Compliance Laboratory has been assigned Registration Number 376708 by the FCC, MRA Designation Number US5037 and Conformity Assessment Number US0223 by ISED.

4 Test Equipment

4.1 Conducted Emissions at Mains Ports

Type of Equipment	Manufacturer	Model Number	Asset Number	Date of Last Calibration	Due Date of Calibration
EMI Receiver	AFJ	FFT3010	UCL-2500	11/18/2025	11/18/2026
LISN	AFJ	LS16C/10	UCL-2512	8/12/2025	8/12/2026
ISN	Teseq	ISN T800	UCL-2971	3/31/2025	3/31/2026
AC Power Source	Laplace Instruments	AC1000A	UCL-2857	N/A	N/A
Test Software	AFJ	AFJ FFT3010	UCL-3107	N/A	N/A

Table 2: List of equipment used for Conducted Emissions Testing at Mains Port

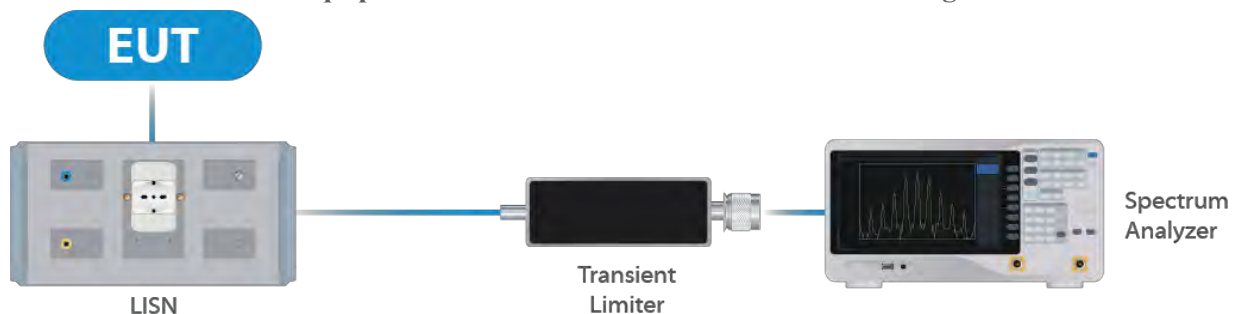


Figure 1: Conducted Emissions Test

4.2 Direct Connect at the Antenna Port Tests

Type of Equipment	Manufacturer	Model Number	Asset Number	Date of Last Calibration	Due Date of Calibration
Spectrum Analyzer	R&S	FSV40	UCL-2861	3/18/2026	3/18/2027
Signal Generator	R&S	SMB100A	UCL-2864	N/A	N/A
Vector Signal Generator	R&S	SMBV100A	UCL-2873	N/A	N/A
Switch Extension	R&S	OSP-B157WX	UCL-2867	4/7/2026	4/7/2027
Switch Extension	R&S	OSP-150W	UCL-2870	4/6/2026	4/6/2027
Test Software	R&S	EMC32	UCL-9442	--	--

Table 3: List of equipment used for Direct Connect at the Antenna Port

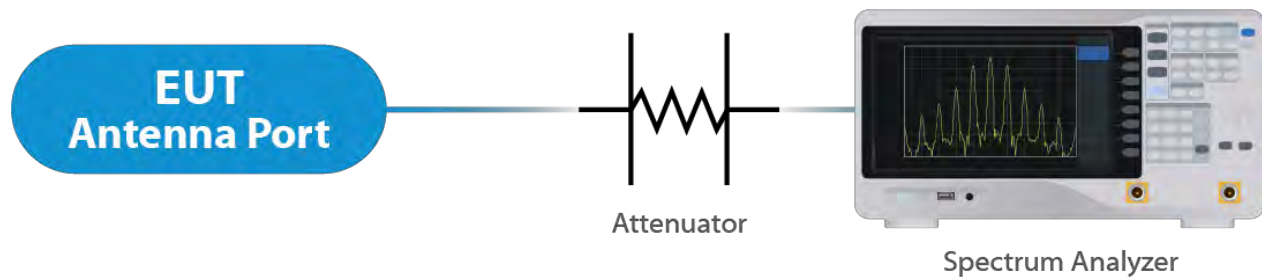


Figure 2: Direct Connect at the Antenna Port Test



Figure 3: Output Power Measurement

4.3 Radiated Emissions

Type of Equipment	Manufacturer	Model Number	Asset Number	Date of Last Calibration	Due Date of Calibration
EMI Receiver	Keysight	N9038A	UCL-2778	12/18/2025	12/18/2026
Pre-Amplifier 9 kHz – 1 GHz	Sonoma Instruments	310N	UCL-2889	7/22/2025	7/22/2026
Tri Log Antenna	Scwarzbeck	VULB 9163	UCL-3062	12/16/2025	12/16/2027
Double Ridge Horn Antenna	Scwarzbeck	BBHA 9120D	UCL-3065	4/2/2025	4/2/2027
Log Periodic	Scwarzbeck	STLP 9129	UCL-3068	2/11/2025	2/4/2027
15 - 40 GHz Horn Antenna	Scwarzbeck	BBHA 9170	UCL-2487	4/7/2025	4/7/2027
1 – 18 GHz Amplifier	Com-Power	PAM 118A	UCL-3833	7/22/2025	7/22/2026
Test Software	Nexio	BatEMC	UCL-5253 & UCL-5249	N/A	N/A

Table 4: List of equipment used for Radiated Emissions

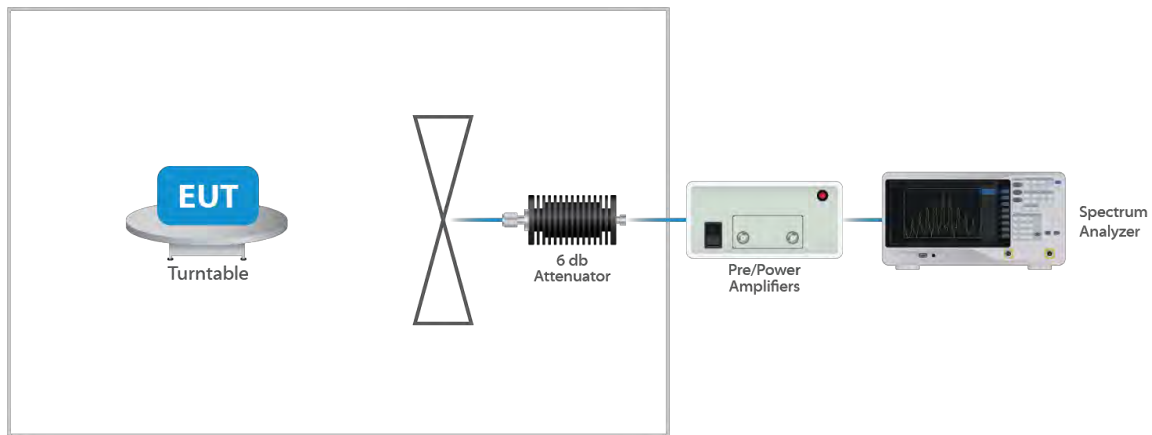


Figure 4: Radiated Emissions Test

4.4 DFS Testing

Type of Equipment	Manufacturer	Model Number	Asset Number	Date of Last Calibration	Due Date of Calibration
Vector Signal Generator	R&S	SMBV100A	UCL-2873	N/A	N/A
Spectrum Analyzer	Keysight	N9010B	UCL-7069	8/3/2026	8/3/2027

4.4.1 Master Test Set Up

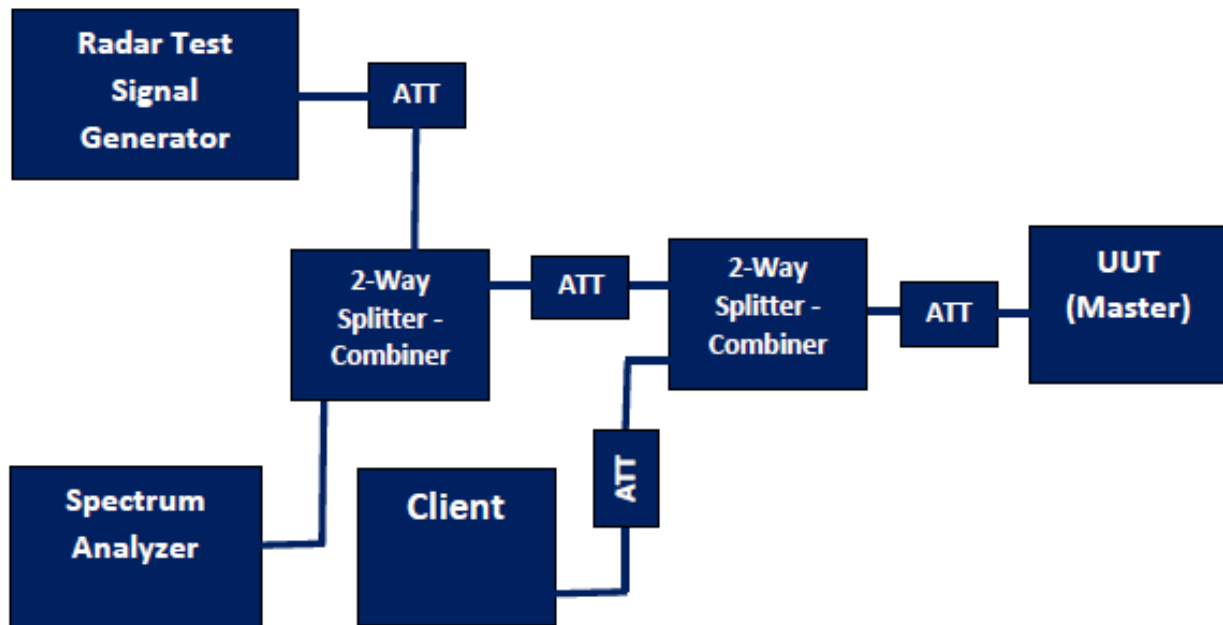


Figure 5: DFS Test Set Up - Master

4.5 Equipment Calibration

All applicable equipment is calibrated using either an independent calibration laboratory or Unified Compliance Laboratory personnel at intervals defined in ANSI C63.4:2014 following outlined calibration procedures. All measurement instrumentation is traceable to the National Institute of Standards and Technology (NIST). Supporting documentation relative to traceability is on file and is available for examination upon request.

4.6 Measurement Uncertainty

Test	Uncertainty ($\pm$ dB)	Confidence (%)
Conducted Emissions	1.44	95
Radiated Emissions (9 kHz to 30 MHz)	2.50	95
Radiated Emissions (30 MHz to 1 GHz)	4.38	95
Radiated Emissions (1 GHz to 18 GHz)	4.37	95
Radiated Emissions (18 GHz to 40 GHz)	3.93	95
Direct Connect Tests	K Factor	Value
Emissions Bandwidth	2	2.0%
Output Power	2	1.0 dB
Peak Power Spectral Density	2	1.3 dB
Band Edge	2	0.8 dB
Transmitter Spurious Emissions	2	1.8 dB

5 Test Results

5.1 §15.203 Antenna Requirements

The EUT uses an internal Patch antenna and an external Dipole antenna.

Per the manufacturer, the Maximum gain of the internal Patch antenna per chain is 12.0 dBi. Per the manufacturer, the Maximum gain of the external Dipole antenna per chain is 6.0 dBi.

This is an 802.11 device and utilizes CDD as described in KDB 662911 D01.

The internal Patch antenna is not user replaceable. The external Dipole antenna is user replaceable.

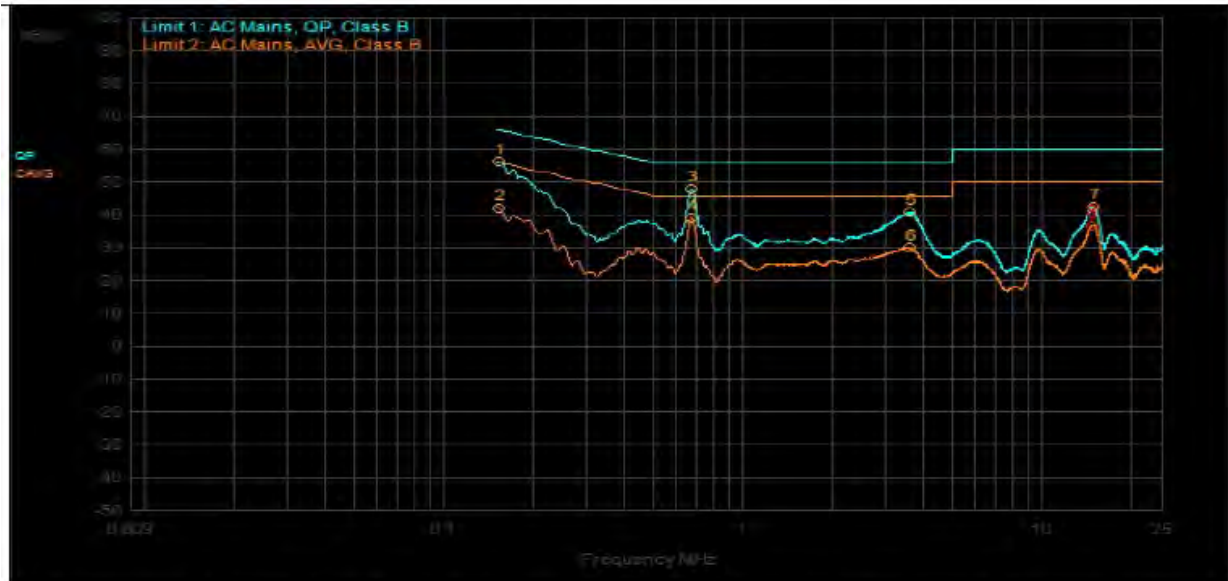
See Section 2.2 for directional gain calculation.

Results

The EUT complied with the specification

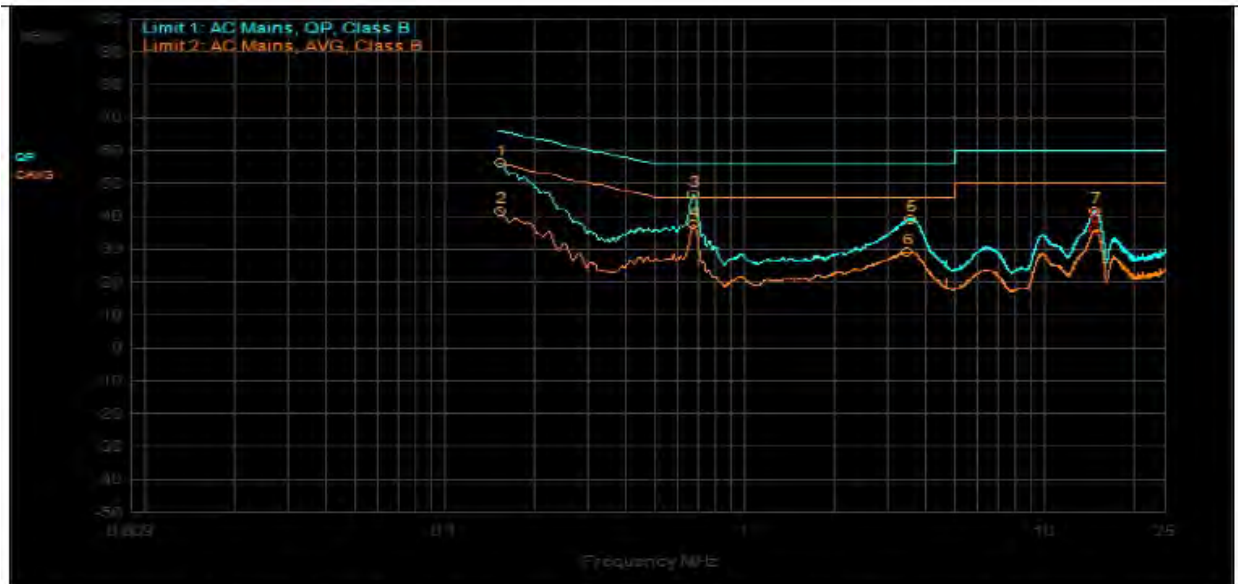
5.2 §15.207 Conducted Emissions at Mains Ports Data

5.2.1 Line



ID	Frequency	Probe	Cable	Atten.	Detector	Meter Read	Meas Level	Limit 1	Limit 1 Dist.	Limit 2	Limit 2 Dist.	P/F
MU	MHz	dB	dB	dB	Type	dBμV	dBμV	dBμV	dB	dBμV	dB	P/F
3	672,000kHz	12.33	0.00		QPeak	35.54	47.87	56.00	-8.13			
1	153,000kHz	12.34	0.00		QPeak	44.10	56.44	65.84	-9.39			
5	3.570	12.30	0.00		QPeak	28.38	40.68	56.00	-15.32			
7	14.748	12.38	0.08		QPeak	29.85	42.31	60.00	-17.69			
2	153,000kHz	12.34	0.00		C_AVG	29.61	41.95			55.84	-13.89	
4	672,000kHz	12.33	0.00		C_AVG	26.73	39.06			46.00	-6.94	
6	3.597	12.30	0.00		C_AVG	17.58	29.88			46.00	-16.12	
8	14.610	12.38	0.08		C_AVG	24.18	36.64			50.00	-13.36	

5.2.2 Neutral



ID	Frequency	Probe	Cable	Atten.	Detector	Meter Read	Meas Level	Limit 1	Limit 1 Dist.	Limit 2	Limit 2 Dist.	P/F
MU	MHz	dB	dB	dB	Type	dBμV	dBμV	dBμV	dB	dBμV	dB	P/F
3	672.000kHz	12.33	0.00		QPeak	34.31	46.64	56.00	-9.36			
1	153.000kHz	12.29	0.00		QPeak	43.90	56.19	65.84	-9.64			
5	3.513	12.31	0.00		QPeak	26.76	39.07	56.00	-16.93			
7	14.544	12.23	0.08		QPeak	29.32	41.63	60.00	-18.37			
2	153.000kHz	12.29	0.00		C_AVG	29.33	41.62			55.84	-14.21	
4	669.000kHz	12.33	0.00		C_AVG	25.21	37.54			46.00	-8.46	
6	3.456	12.31	0.00		C_AVG	16.82	29.13			46.00	-16.87	
8	14.514	12.23	0.08		C_AVG	23.54	35.85			50.00	-14.15	

Result

The EUT complied with the specification limit.

5.3 §15.407(a) 26 dB Emissions Bandwidth

All chains were measured under the guidance of KDB 789033 Section II.C. and KDB 662911 D01.

Please see associated annex for details on instrument settings.

5.3.1 UNII-2A

Internal Antenna

Bandwidth	Frequency (MHz)	99% Bandwidth (MHz)	Emissions 26 dB Bandwidth (MHz)
OFDM 20	5260	16.9	22.2
OFDM 20	5280	16.9	22.4
OFDM 20	5320	16.9	22.5
EHT 20	5260	19.2	23.0
EHT 20	5280	19.2	23.0
EHT 20	5320	19.2	22.8
EHT 40	5270	38.0	43.8
EHT 40	5310	38.3	43.5
EHT 80	5290	77.5	86.5
EHT 160	5250	158.0	174.0

External Antenna

Bandwidth	Frequency (MHz)	99% Bandwidth (MHz)	Emissions 26 dB Bandwidth (MHz)
OFDM 20	5260	17.1	22.5
OFDM 20	5280	17.2	22.5
OFDM 20	5320	17.1	23.3
EHT 20	5260	19.2	22.8
EHT 20	5280	19.2	23.1
EHT 20	5320	19.2	22.4
EHT 40	5270	38.0	43.8
EHT 40	5310	38.3	43.0
EHT 80	5290	77.5	90.0
EHT 160	5250	157.0	179.0

5.3.2 UNII-2C

Internal Antenna

Bandwidth	Frequency (MHz)	99% Bandwidth (MHz)	Emissions 26 dB Bandwidth (MHz)
OFDM 20	5500	16.9	22.4
OFDM 20	5600	16.9	22.4
OFDM 20	5720	16.9	22.5
EHT 20	5500	19.3	22.7
EHT 20	5600	19.5	24.0
EHT 20	5720	19.3	23.1
EHT 40	5510	38.5	45.0
EHT 40	5590	38.5	43.3
EHT 40	5710	38.5	43.3
EHT 80	5530	79.0	84.5
EHT 80	5610	79.0	87.5
EHT 80	5690	79.0	86.5
EHT160	5570	159.3	178.0
EHT240	5610	240.0	313.5

External Antenna

Bandwidth	Frequency (MHz)	99% Bandwidth (MHz)	Emissions 26 dB Bandwidth (MHz)
OFDM 20	5500	17.1	23.1
OFDM 20	5600	17.1	22.5
OFDM 20	5720	17.1	22.1
EHT 20	5500	19.2	23.4
EHT 20	5600	19.2	23.3
EHT 20	5720	19.2	24.0
EHT 40	5510	38.5	45.0
EHT 40	5590	38.5	44.5
EHT 40	5710	38.5	44.0
EHT 80	5530	79.0	87.0
EHT 80	5610	79.0	87.0
EHT 80	5690	79.0	87.0
EHT160	5570	159.3	178.0
EHT240	5610	238.5	268.5

Result

All chains were tested and the highest bandwidth per chain is reported above. Please see Annex for all bandwidth measurements.

5.4 §15.407(a)(2) Maximum Average Output Power

All chains were measured and summed under the guidance of KDB 789033 Section II. E.2. and KDB 662911 D01. Please see associated annex for details on instrument settings.

See Section 2.2 for directional gain calculation.

For the internal antenna the maximum average RF conducted output power measured for this device was 17.78 dBm or 59.98 mW. The limit is 24 dBm or 250 mW (adjusted limit 18 dBm or 63.10 mW) when using antenna with 6 dBi or less gain. The antenna has a gain of 12 dBi.

For the external antenna the maximum average RF conducted output power measured for this device was 23.88 dBm or 244.34 mW. The limit is 24 dBm or 250 mW when using antennas with 6 dBi or less gain. The antenna has a maximum gain of 6 dBi.

5.4.1 UNII-2A

Internal Antenna Max Gain 12 dBi

Nss>1

Modulation (BW)	Frequency (MHz)	Data Rate	TP Setting	Total Summed Output Power* (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dBm)
OFDM 20	5260	Mcs0_Nss2	13	15.65	12	27.65	30	-2.35
OFDM 20	5280	Mcs0_Nss2	13	15.70	12	27.70	30	-2.30
OFDM 20	5320	Mcs0_Nss2	14	15.66	12	27.66	30	-2.34
EHT 20	5260	Mcs0_Nss2	14	15.73	12	27.73	30	-2.27
EHT 20	5280	Mcs0_Nss2	14	15.86	12	27.86	30	-2.14
EHT 20	5320	Mcs0_Nss2	14	15.76	12	27.76	30	-2.24
EHT 40	5270	Mcs0_Nss2	15	17.87	12	29.87	30	-0.13
EHT 40	5310	Mcs0_Nss2	15	17.82	12	29.82	30	-0.18
EHT 80	5290	Mcs0_Nss2	16	17.50	12	29.50	30	-0.50
EHT 160	5250	Mcs0_Nss2	15	17.36	12	29.36	30	-0.64

Nss=1

Modulation (BW)	Frequency (MHz)	Data Rate	TP Setting	Total Summed Output Power* (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dBm)
OFDM 20	5260	Mcs0_Nss1	4	6.65	12	18.65	30	-11.35
OFDM 20	5280	Mcs0_Nss1	4	6.70	12	18.70	30	-11.30
OFDM 20	5320	Mcs0_Nss1	5	6.66	12	18.66	30	-11.34
EHT 20	5260	Mcs0_Nss1	5	6.73	12	18.73	30	-11.27
EHT 20	5280	Mcs0_Nss1	5	6.86	12	18.86	30	-11.14
EHT 20	5320	Mcs0_Nss1	5	6.76	12	18.76	30	-11.24
EHT 40	5270	Mcs0_Nss1	7	9.87	12	21.87	30	-8.13
EHT 40	5310	Mcs0_Nss1	7	9.82	12	21.82	30	-8.18
EHT 80	5290	Mcs0_Nss1	10	12.50	12	24.50	30	-5.50
EHT 160	5250	Mcs0_Nss1	13	15.36	12	27.36	30	-2.64

Internal Antenna Max Gain 10 dBi
Nss>1

Modulation (BW)	Frequency (MHz)	Data Rate	TP Setting	Total Summed Output Power* (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dBm)
OFDM 20	5260	Mcs0_Nss2	15	17.53	10	27.53	30	-2.47
OFDM 20	5280	Mcs0_Nss2	15	17.55	10	27.55	30	-2.45
OFDM 20	5320	Mcs0_Nss2	15	17.42	10	27.42	30	-2.58
EHT 20	5260	Mcs0_Nss2	15	17.61	10	27.61	30	-2.39
EHT 20	5280	Mcs0_Nss2	16	18.59	10	28.59	30	-1.41
EHT 20	5320	Mcs0_Nss2	16	18.45	10	28.45	30	-1.55
EHT 40	5270	Mcs0_Nss2	17	19.75	10	29.75	30	-0.25
EHT 40	5310	Mcs0_Nss2	17	19.68	10	29.68	30	-0.32
EHT 80	5290	Mcs0_Nss2	17	19.50	10	29.50	30	-0.50
EHT 160	5250	Mcs0_Nss2	16	19.23	10	29.23	30	-0.77

Nss=1

Modulation (BW)	Frequency (MHz)	Data Rate	TP Setting	Total Summed Output Power* (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dBm)
OFDM 20	5260	Mcs0_Nss1	8	10.53	10	20.53	30	-9.47
OFDM 20	5280	Mcs0_Nss1	8	10.55	10	20.55	30	-9.45
OFDM 20	5320	Mcs0_Nss1	8	10.42	10	20.42	30	-9.58
EHT 20	5260	Mcs0_Nss1	8	10.61	10	20.61	30	-9.39
EHT 20	5280	Mcs0_Nss1	9	11.59	10	21.59	30	-8.41
EHT 20	5320	Mcs0_Nss1	9	11.45	10	21.45	30	-8.55
EHT 40	5270	Mcs0_Nss1	11	13.75	10	23.75	30	-6.25
EHT 40	5310	Mcs0_Nss1	11	13.68	10	23.68	30	-6.32
EHT 80	5290	Mcs0_Nss1	14	16.50	10	26.50	30	-3.50
EHT 160	5250	Mcs0_Nss1	16	19.23	10	29.23	30	-0.77

External Antenna Max Gain 6 dBi
Nss>1

Modulation (BW)	Frequency (MHz)	Data Rate	TP Setting	Total Summed Output Power* (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dBm)
OFDM 20	5260	Mcs0_Nss2	20	20.94	6	26.94	30	-3.06
OFDM 20	5280	Mcs0_Nss2	20	21.07	6	27.07	30	-2.93
OFDM 20	5320	Mcs0_Nss2	20	21.03	6	27.03	30	-2.97
EHT 20	5260	Mcs0_Nss2	21	21.92	6	27.92	30	-2.08
EHT 20	5280	Mcs0_Nss2	21	22.06	6	28.06	30	-1.94
EHT 20	5320	Mcs0_Nss2	21	22.07	6	28.07	30	-1.93
EHT 40	5270	Mcs0_Nss2	22	23.00	6	29.00	30	-1
EHT 40	5310	Mcs0_Nss2	22	23.08	6	29.08	30	-0.92
EHT 80	5290	Mcs0_Nss2	23	23.80	6	29.80	30	-0.2
EHT 160	5250	Mcs0_Nss2	22	23.67	6	29.67	30	-0.33

Nss=1

Modulation (BW)	Frequency (MHz)	Data Rate	TP Setting	Total Summed Output Power* (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dBm)
OFDM 20	5260	Mcs0_Nss1	17	17.94	6	23.94	30	-6.06
OFDM 20	5280	Mcs0_Nss1	17	18.07	6	24.07	30	-5.93
OFDM 20	5320	Mcs0_Nss1	17	18.03	6	24.03	30	-5.97
EHT 20	5260	Mcs0_Nss1	18	18.92	6	24.92	30	-5.08
EHT 20	5280	Mcs0_Nss1	18	19.06	6	25.06	30	-4.94
EHT 20	5320	Mcs0_Nss1	18	19.07	6	25.07	30	-4.93
EHT 40	5270	Mcs0_Nss1	21	22.00	6	28.00	30	-2
EHT 40	5310	Mcs0_Nss1	20	21.08	6	27.08	30	-2.92
EHT 80	5290	Mcs0_Nss1	23	23.80	6	29.80	30	-0.2
EHT 160	5250	Mcs0_Nss1	22	23.67	6	29.67	30	-0.33

5.4.2 UNII-2C

Internal Antenna Max Gain 12 dBi

Nss>1

Modulation (BW)	Frequency (MHz)	Data Rate	TP Setting	Total Summed Output Power* (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dBm)
OFDM 20	5500	Mcs0_Nss2	14	15.86	12	27.86	30	-2.14
OFDM 20	5600	Mcs0_Nss2	13	15.25	12	27.25	30	-2.75
OFDM 20	5720	Mcs0_Nss2	13	15.87	12	27.87	30	-2.13
EHT 20	5500	Mcs0_Nss2	14	15.88	12	27.88	30	-2.12
EHT 20	5600	Mcs0_Nss2	14	16.39	12	28.39	30	-1.61
EHT 20	5720	Mcs0_Nss2	13	16.08	12	28.08	30	-1.92
EHT 40	5510	Mcs0_Nss2	16	17.84	12	29.84	30	-0.16
EHT 40	5590	Mcs0_Nss2	15	17.44	12	29.44	30	-0.56
EHT 40	5710	Mcs0_Nss2	14	17.11	12	29.11	30	-0.89
EHT 80	5530	Mcs0_Nss2	16	17.51	12	29.51	30	-0.49
EHT 80	5610	Mcs0_Nss2	15	17.29	12	29.29	30	-0.71
EHT 80	5690	Mcs0_Nss2	15	17.77	12	29.77	30	-0.23
EHT160	5570	Mcs0_Nss2	15	17.68	12	29.68	30	-0.32
EHT240	5610	Mcs0_Nss2	16	17.83	12	29.83	30	-0.17

Nss=1

Modulation (BW)	Frequency (MHz)	Data Rate	TP Setting	Total Summed Output Power* (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dBm)
OFDM 20	5500	Mcs0_Nss1	5	6.86	12	18.86	30	-11.14
OFDM 20	5600	Mcs0_Nss1	4	6.25	12	18.25	30	-11.75
OFDM 20	5720	Mcs0_Nss1	4	6.87	12	18.87	30	-11.13
EHT 20	5500	Mcs0_Nss1	5	6.88	12	18.88	30	-11.12
EHT 20	5600	Mcs0_Nss1	5	7.39	12	19.39	30	-10.61
EHT 20	5720	Mcs0_Nss1	4	7.08	12	19.08	30	-10.92
EHT 40	5510	Mcs0_Nss1	8	9.84	12	21.84	30	-8.16
EHT 40	5590	Mcs0_Nss1	8	10.44	12	22.44	30	-7.56
EHT 40	5710	Mcs0_Nss1	6	9.11	12	21.11	30	-8.89
EHT 80	5530	Mcs0_Nss1	11	12.51	12	24.51	30	-5.49
EHT 80	5610	Mcs0_Nss1	10	12.29	12	24.29	30	-5.71
EHT 80	5690	Mcs0_Nss1	10	12.77	12	24.77	30	-5.23
EHT160	5570	Mcs0_Nss1	14	16.68	12	28.68	30	-1.32
EHT240	5610	Mcs0_Nss1	16	17.83	12	29.83	30	-0.17

Internal Antenna Max Gain 10 dBi
Nss>1

Modulation (BW)	Frequency (MHz)	Data Rate	TP Setting	Total Summed Output Power* (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dBm)
OFDM 20	5500	Mcs0_Nss2	16	17.68	10	27.68	30	-2.32
OFDM 20	5600	Mcs0_Nss2	15	17.31	10	27.31	30	-2.69
OFDM 20	5720	Mcs0_Nss2	15	17.76	10	27.76	30	-2.24
EHT 20	5500	Mcs0_Nss2	17	18.61	10	28.61	30	-1.39
EHT 20	5600	Mcs0_Nss2	16	18.30	10	28.30	30	-1.70
EHT 20	5720	Mcs0_Nss2	15	17.83	10	27.83	30	-2.17
EHT 40	5510	Mcs0_Nss2	18	19.82	10	29.82	30	-0.18
EHT 40	5590	Mcs0_Nss2	17	19.41	10	29.41	30	-0.59
EHT 40	5710	Mcs0_Nss2	17	19.96	10	29.96	30	-0.04
EHT 80	5530	Mcs0_Nss2	18	19.51	10	29.51	30	-0.49
EHT 80	5610	Mcs0_Nss2	17	19.24	10	29.24	30	-0.76
EHT 80	5690	Mcs0_Nss2	17	19.70	10	29.70	30	-0.30
EHT160	5570	Mcs0_Nss2	17	19.60	10	29.60	30	-0.40
EHT240	5610	Mcs0_Nss2	18	19.69	10	29.69	30	-0.31

Nss=1

Modulation (BW)	Frequency (MHz)	Data Rate	TP Setting	Total Summed Output Power* (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dBm)
OFDM 20	5500	Mcs0_Nss1	9	10.68	10	20.68	30	-9.32
OFDM 20	5600	Mcs0_Nss1	8	10.31	10	20.31	30	-9.69
OFDM 20	5720	Mcs0_Nss1	8	10.76	10	20.76	30	-9.24
EHT 20	5500	Mcs0_Nss1	10	11.61	10	21.61	30	-8.39
EHT 20	5600	Mcs0_Nss1	9	11.30	10	21.30	30	-8.70
EHT 20	5720	Mcs0_Nss1	8	10.83	10	20.83	30	-9.17
EHT 40	5510	Mcs0_Nss1	12	13.82	10	23.82	30	-6.18
EHT 40	5590	Mcs0_Nss1	11	13.41	10	23.41	30	-6.59
EHT 40	5710	Mcs0_Nss1	11	13.96	10	23.96	30	-6.04
EHT 80	5530	Mcs0_Nss1	15	16.51	10	26.51	30	-3.49
EHT 80	5610	Mcs0_Nss1	15	17.24	10	27.24	30	-2.76
EHT 80	5690	Mcs0_Nss1	14	16.70	10	26.70	30	-3.30
EHT160	5570	Mcs0_Nss1	17	19.60	10	29.60	30	-0.40
EHT240	5610	Mcs0_Nss1	18	19.69	10	29.69	30	-0.31

External Antenna Max Gain 6 dBi
Nss>1

Modulation (BW)	Frequency (MHz)	Data Rate	TP Setting	Total Summed Output Power* (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dBm)
OFDM 20	5500	Mcs0_Nss2	20	21.12	6	27.12	30	-2.88
OFDM 20	5600	Mcs0_Nss2	20	21.50	6	27.50	30	-2.50
OFDM 20	5720	Mcs0_Nss2	20	21.44	6	27.44	30	-2.56
EHT 20	5500	Mcs0_Nss2	20	22.15	6	28.15	30	-1.85
EHT 20	5600	Mcs0_Nss2	20	21.54	6	27.54	30	-2.46
EHT 20	5720	Mcs0_Nss2	20	21.50	6	27.50	30	-2.50
EHT 40	5510	Mcs0_Nss2	22	23.25	6	29.25	30	-0.75
EHT 40	5590	Mcs0_Nss2	22	23.58	6	29.58	30	-0.42
EHT 40	5710	Mcs0_Nss2	22	23.48	6	29.48	30	-0.52
EHT 80	5530	Mcs0_Nss2	23	23.80	6	29.80	30	-0.20
EHT 80	5610	Mcs0_Nss2	22	23.27	6	29.27	30	-0.73
EHT 80	5690	Mcs0_Nss2	22	23.36	6	29.36	30	-0.64
EHT160	5570	Mcs0_Nss2	22	23.98	6	29.98	30	-0.02
EHT240	5610	Mcs0_Nss2	16	16.81	6	22.81	30	-7.19

Nss=1

Modulation (BW)	Frequency (MHz)	Data Rate	TP Setting	Total Summed Output Power* (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dBm)
OFDM 20	5500	Mcs0_Nss1	17	18.12	6	24.12	30	-5.88
OFDM 20	5600	Mcs0_Nss1	17	18.50	6	24.50	30	-5.50
OFDM 20	5720	Mcs0_Nss1	17	18.44	6	24.44	30	-5.56
EHT 20	5500	Mcs0_Nss1	17	19.15	6	25.15	30	-4.85
EHT 20	5600	Mcs0_Nss1	17	18.54	6	24.54	30	-5.46
EHT 20	5720	Mcs0_Nss1	17	18.50	6	24.50	30	-5.50
EHT 40	5510	Mcs0_Nss1	20	21.25	6	27.25	30	-2.75
EHT 40	5590	Mcs0_Nss1	20	21.58	6	27.58	30	-2.42
EHT 40	5710	Mcs0_Nss1	21	22.48	6	28.48	30	-1.52
EHT 80	5530	Mcs0_Nss1	23	23.80	6	29.80	30	-0.20
EHT 80	5610	Mcs0_Nss1	22	23.27	6	29.27	30	-0.73
EHT 80	5690	Mcs0_Nss1	22	23.36	6	29.36	30	-0.64
EHT160	5570	Mcs0_Nss1	22	23.98	6	29.98	30	-0.02
EHT240	5610	Mcs0_Nss1	16	16.81	6	22.81	30	-7.19

Result

In the configuration tested, the maximum average RF output power was less than 0.250 watt; therefore, the EUT complied with the requirements of the specification.

* Gated EIRP shown in the Annex is the conducted measurement.

5.5 §15.407(b) Spurious Emissions

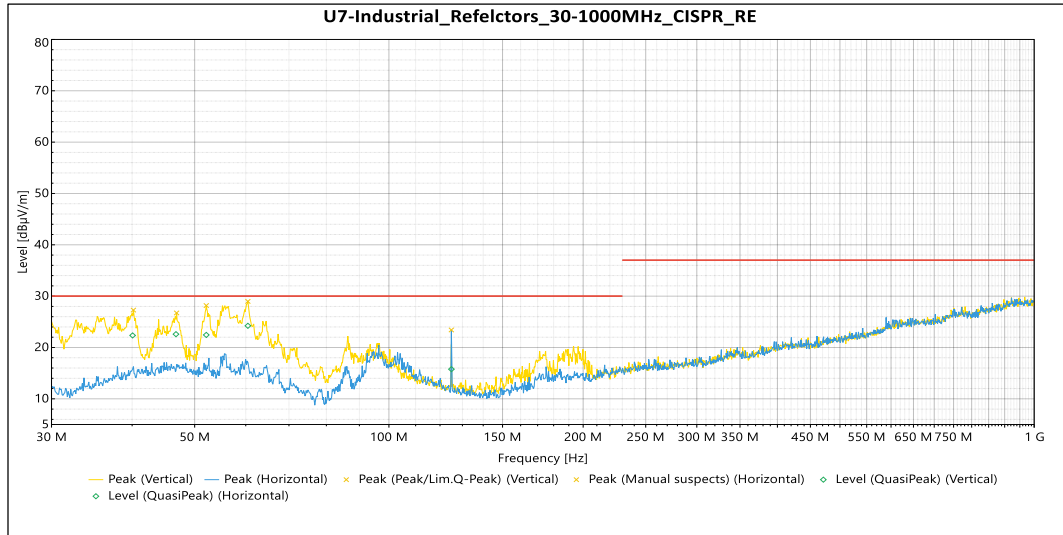
5.5.1 Radiated Spurious Emissions in the Restricted Bands of § 15.205

The frequency range from the lowest frequency generated or used in the device to the tenth harmonic of the highest fundamental emissions was investigated to measure any radiated emissions in the restricted bands. For frequencies above 18.0 GHz. The emissions in the restricted bands must meet the limits specified in § 15.209. Conducted measurement results are included in the Annex. Radiated data with the EUT transmitting into a load is included below. All emissions between the required frequencies were investigated, the following plots represent the worst case. The “fail” is the transmitted signal exceeding the spurious limit.

Correction Factor = Antenna Factor (dBi) + Cable Loss (dB) - Pre-Amplifier Gain (dB), and is added to the Receiver reading.

5.5.2 UNII-2A

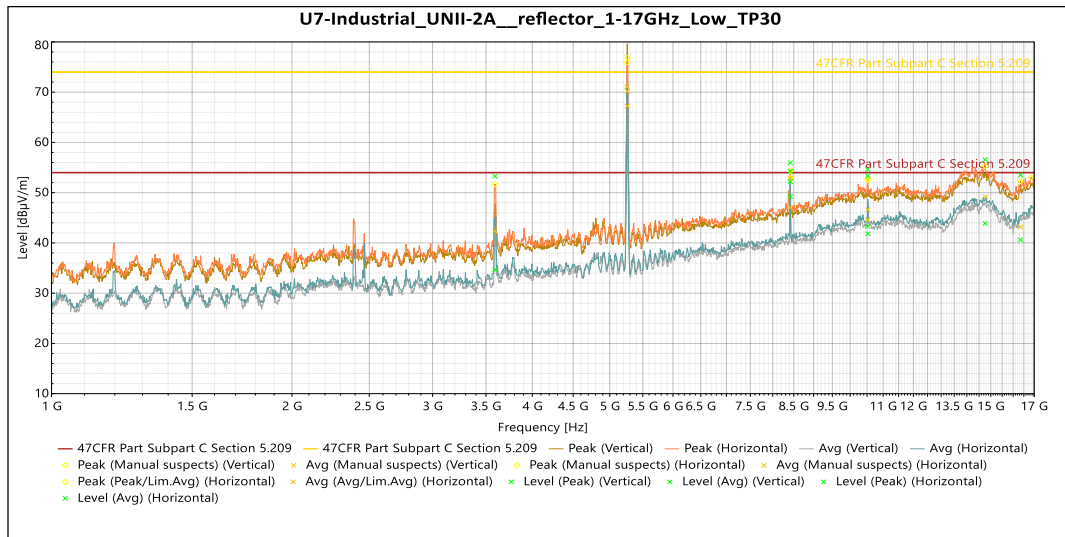
Internal Antenna



QuasiPeak

Frequency	Level (dBµV/m)	Limit (dBµV/m)	Margin	Azimuth (°)	Height	Pol.	Correction (dB)
40.07 MHz	22.35	30.0	-7.65	4	1.07	Vertical	-13.23
46.78 MHz	22.59	30.0	-7.41	1	2.46	Vertical	-12.03
52.12 MHz	22.44	30.0	-7.56	15	2.11	Vertical	-12.53
60.46 MHz	24.22	30.0	-5.78	9	3.66	Vertical	-14.37
124.99 MHz	15.77	30.0	-14.23	329	2.77	Horizontal	-16.63

Table 5: Radiated Emissions 30 – 1000 MHz



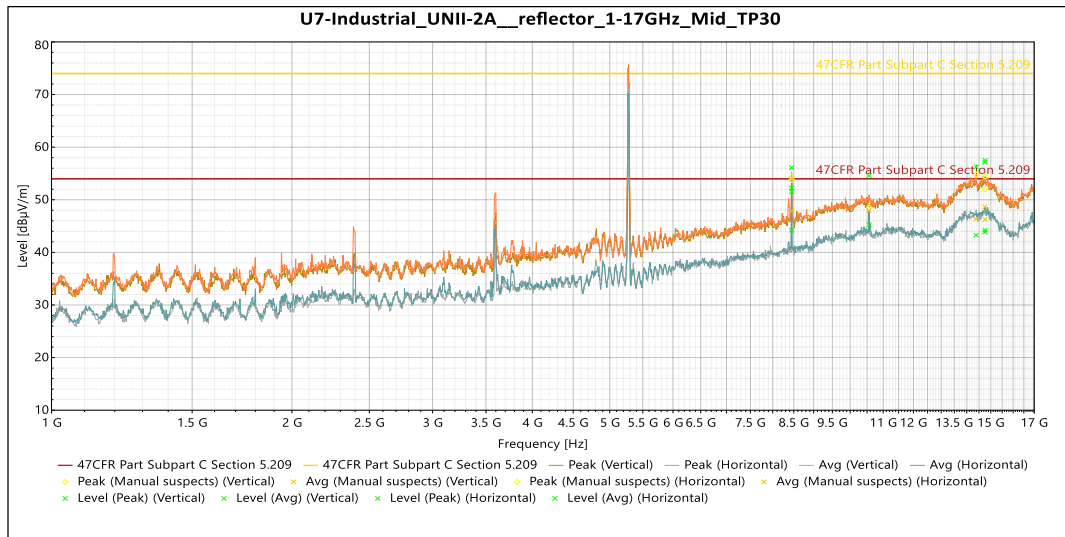
Peak

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
8.42 GHz	55.96	74.0	-18.04	100	2.325	Vertical	1.54
10.52 GHz	54.61	74.0	-19.39	139	3.153	Vertical	6.97
16.35 GHz	53.51	74.0	-20.49	320	3.802	Vertical	9.62
3.59 GHz	53.25	74.0	-20.75	103	3.311	Horizontal	-10.29
8.42 GHz	54.16	74.0	-19.74	112	1.5	Horizontal	1.55
10.52 GHz	53.03	74.0	-20.69	86	2.146	Horizontal	6.97
14.76 GHz	56.57	74.0	-17.43	277	4	Horizontal	11.96

Avg

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
8.42 GHz	52.17	54.0	-1.83	100	2.325	Vertical	1.54
10.52 GHz	43.28	54.0	-10.72	139	3.153	Vertical	6.97
16.35 GHz	40.61	54.0	-13.39	320	3.802	Vertical	9.62
3.59 GHz	34.66	54.0	-19.34	103	3.311	Horizontal	-10.29
8.42 GHz	49.24	54.0	-4.76	112	1.5	Horizontal	1.55
10.52 GHz	41.82	54.0	-12.18	86	2.146	Horizontal	6.97
14.76 GHz	43.90	54.0	-10.10	277	4	Horizontal	11.96

Table 6: Radiated Emissions 1 – 17 GHz at the Lowest Frequency



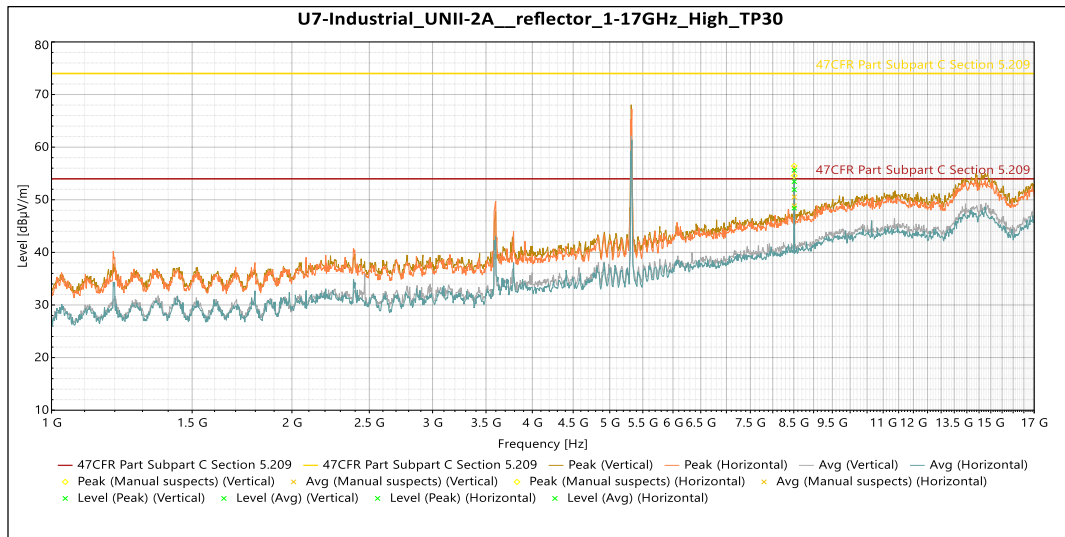
Peak

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
8.45 GHz	56.10	74.0	-17.90	97	2.645	Vertical	1.61
14.76 GHz	57.48	74.0	-16.52	2	3.652	Vertical	11.95
8.45 GHz	51.52	74.0	-22.48	76	2.329	Horizontal	1.61
10.56 GHz	54.57	74.0	-19.43	77	2.142	Horizontal	7.05
14.38 GHz	56.24	74.0	-17.76	70	4	Horizontal	1.16
14.75 GHz	57.12	74.0	-16.88	289	3.307	Horizontal	1.93

Avg

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
8.45 GHz	52.25	54.0	-1.75	97	2.645	Vertical	1.61
14.76 GHz	44.24	54.0	-9.76	2	3.652	Vertical	11.95
8.45 GHz	44.20	54.0	-9.80	76	2.329	Horizontal	1.61
10.56 GHz	45.25	54.0	-8.75	77	2.142	Horizontal	7.05
14.38 GHz	43.27	54.0	-10.73	70	4	Horizontal	1.16
14.75 GHz	43.86	54.0	-10.14	289	3.307	Horizontal	1.93

Table 7: Radiated Emissions 1 – 17 GHz at the Middle Frequency



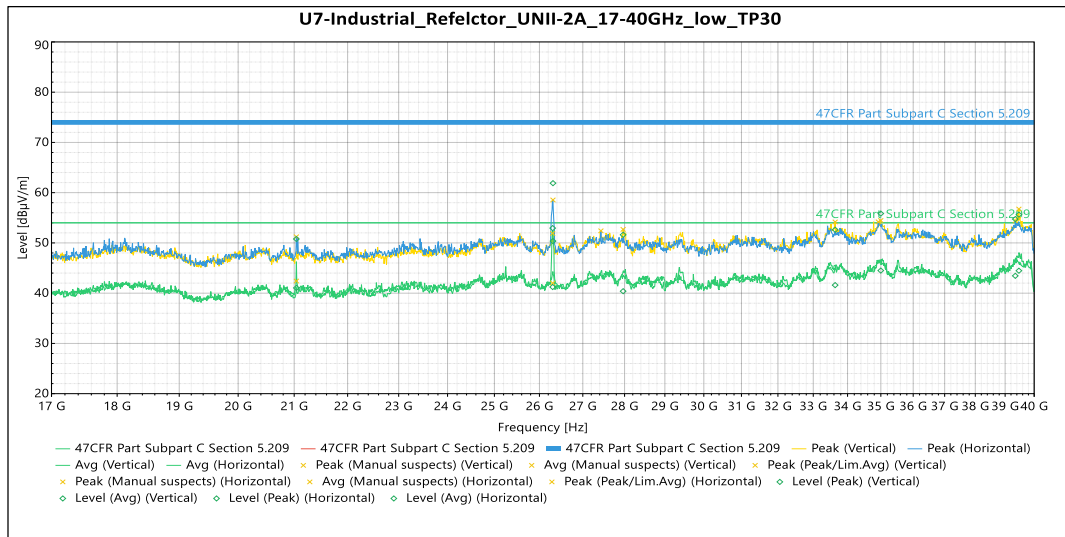
Peak

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
8.51 GHz	53.45	74.0	-20.55	90	2.146	Vertical	1.74
8.51 GHz	55.60	74.0	-18.40	89	1.638	Horizontal	1.74

Avg

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
8.51 GHz	48.42	54.0	-5.58	90	2.146	Vertical	1.74
8.51 GHz	51.91	54.0	-2.09	89	1.638	Horizontal	1.74

Table 8: Radiated Emissions 1 – 17 GHz at the Highest Frequency



Peak

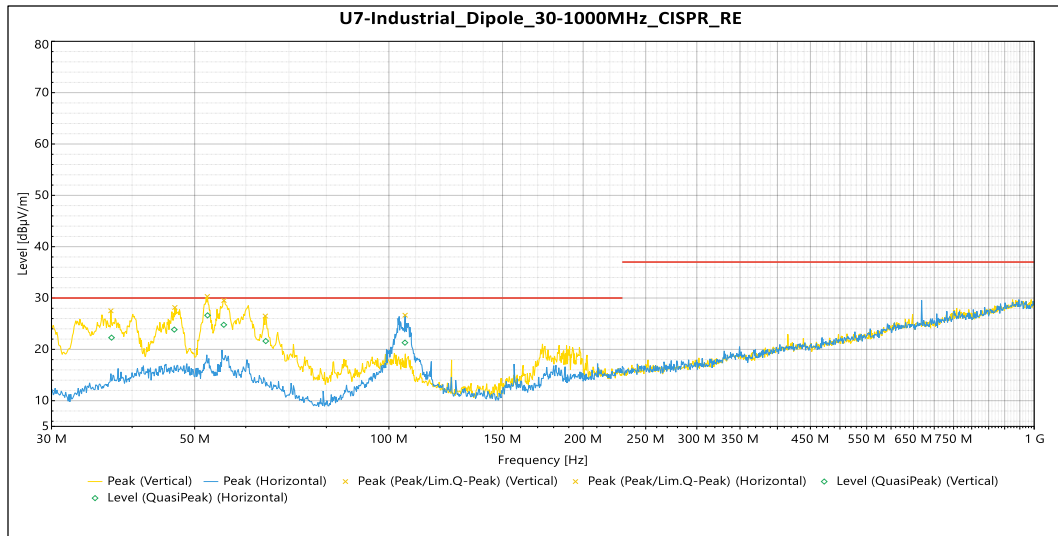
Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Pol.	Correction (dB)
26.30 GHz	52.95	74.0	-21.05	100	Vertical	1.41
33.64 GHz	52.62	74.0	-21.38	62	Vertical	3.38
35.00 GHz	55.84	74.0	-18.16	133	Vertical	5.76
39.47 GHz	55.63	74.0	-18.37	63	Vertical	4.16
21.04 GHz	50.78	74.0	-23.22	68	Horizontal	-0.59
26.31 GHz	61.89	74.0	-12.11	94	Horizontal	1.37
39.35 GHz	54.74	74.0	-19.26	310	Horizontal	3.92

Avg

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Pol.	Correction (dB)
26.30 GHz	41.22	54.0	-12.78	100	Vertical	1.41
33.64 GHz	41.60	54.0	-12.40	62	Vertical	3.38
35.00 GHz	44.50	54.0	-9.50	133	Vertical	5.76
39.47 GHz	44.47	54.0	-9.53	63	Vertical	4.16
21.04 GHz	41.04	54.0	-12.96	68	Horizontal	-0.59
26.31 GHz	50.36	54.0	-3.64	94	Horizontal	1.37
39.35 GHz	43.45	54.0	-10.55	310	Horizontal	3.92

Table 9: Radiated Emissions 17 – 40 GHz at the Lowest Frequency (worse case)

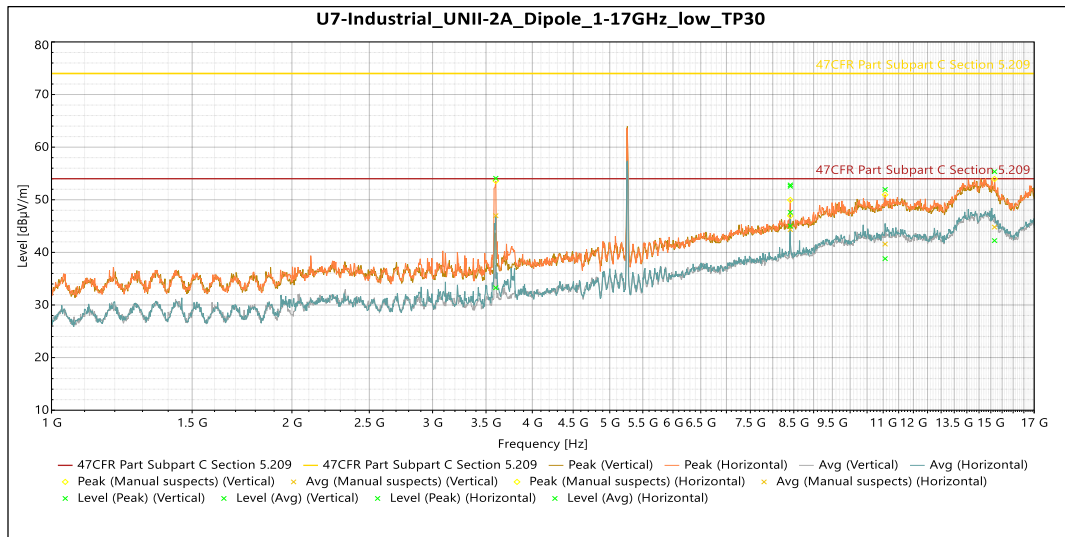
External Antenna



QuasiPeak

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin	Azimuth (°)	Height	Pol.	Correction (dB)
37.17 MHz	22.28	30.0	-7.72	15	1.47	Vertical	-14.48
46.50 MHz	23.85	30.0	-6.15	18	3.35	Vertical	-12.03
52.35 MHz	26.63	30.0	-3.37	71	3.11	Vertical	-12.58
55.48 MHz	24.78	30.0	-5.22	339	3.12	Vertical	-13.19
64.44 MHz	21.61	30.0	-8.39	181	3.64	Vertical	-15.35
105.89 MHz	21.30	30.0	-8.70	330	3.88	Horizontal	-14.19

Table 10: Radiated Emissions 30 – 1000 MHz



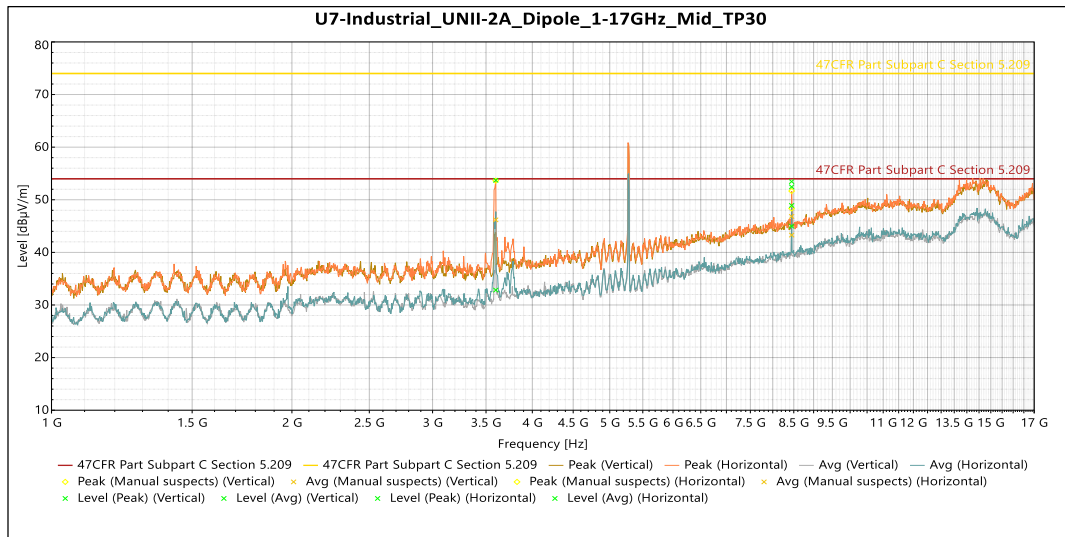
Peak

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
8.42 GHz	52.56	74.0	-21.44	155	3.798	Vertical	1.55
3.60 GHz	54.08	74.0	-19.92	128	3.311	Horizontal	-10.27
8.42 GHz	52.82	74.0	-21.18	80	2.816	Horizontal	1.55
11.06 GHz	51.96	74.0	-22.04	204	3.802	Horizontal	7.26
15.16 GHz	55.34	74.0	-18.66	357	3.802	Horizontal	11.00

Avg

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
8.42 GHz	45.00	54.0	-9.00	155	3.798	Vertical	1.55
3.60 GHz	33.27	54.0	-20.73	128	3.311	Horizontal	-10.27
8.42 GHz	47.62	54.0	-6.38	80	2.816	Horizontal	1.55
11.06 GHz	38.80	54.0	-15.20	204	3.802	Horizontal	7.26
15.16 GHz	42.23	54.0	-11.77	357	3.802	Horizontal	11.00

Table 11: Radiated Emissions 1 – 17 GHz at the Lowest Frequency



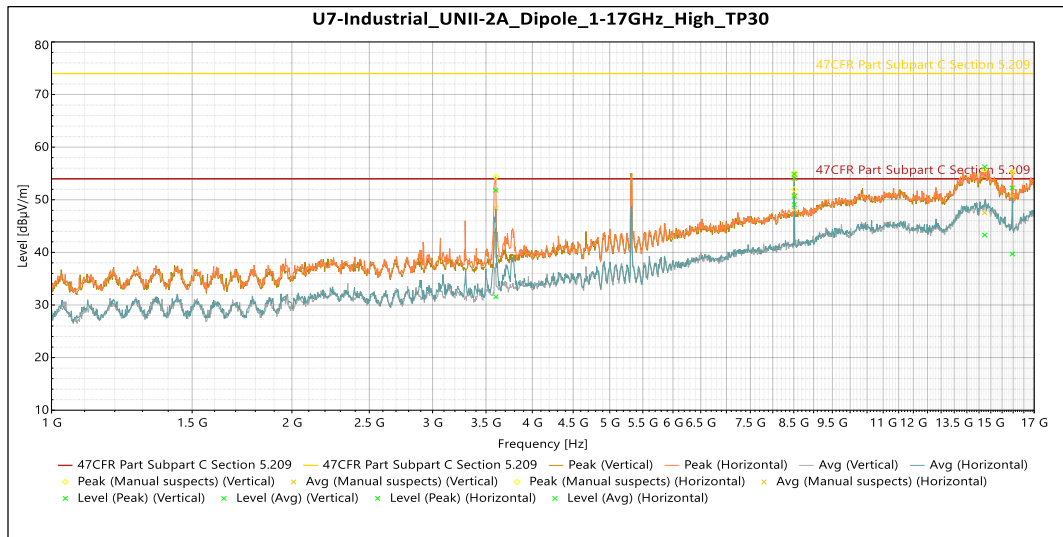
Peak

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
8.45 GHz	52.45	74.0	-21.55	160	3.798	Vertical	1.61
3.60 GHz	53.70	74.0	-20.30	129	3.311	Horizontal	-10.27
8.45 GHz	53.46	74.0	-20.54	80	2.82	Horizontal	1.61

Avg

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
8.45 GHz	44.97	54.0	-9.03	160	3.798	Vertical	1.61
3.60 GHz	32.83	54.0	-21.17	129	3.311	Horizontal	-10.27
8.45 GHz	48.92	54.0	-5.08	80	2.82	Horizontal	1.61

Table 12: Radiated Emissions 1 – 17 GHz at the Middle Frequency



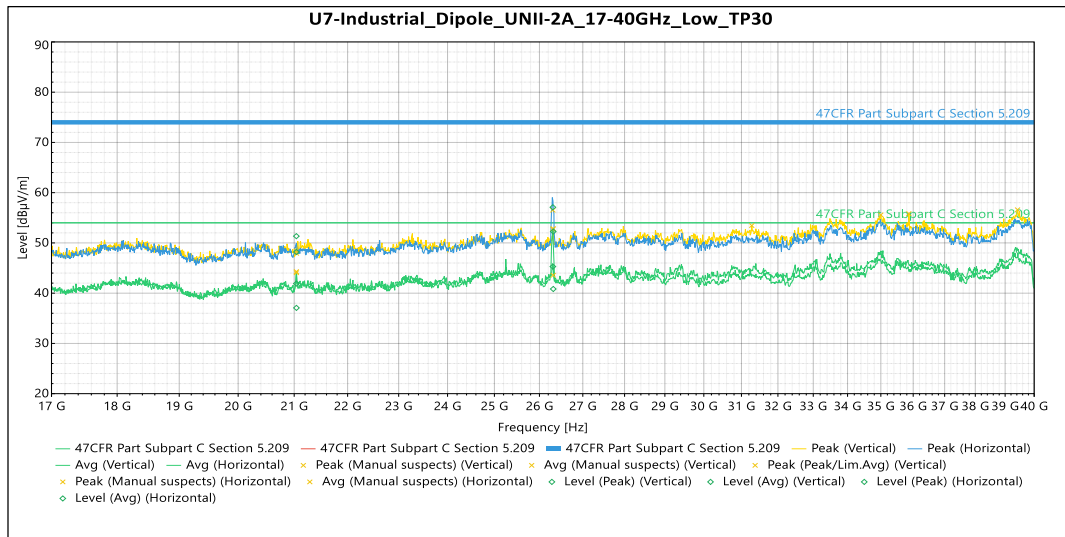
Peak

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
8.51 GHz	54.05	74.0	-19.95	155	3.798	Vertical	1.74
3.60 GHz	51.80	74.0	-22.20	128	3.802	Horizontal	-10.27
8.51 GHz	54.90	74.0	-19.10	115	3.798	Horizontal	1.74
14.74 GHz	56.25	74.0	-17.75	97	3.802	Horizontal	11.91
15.96 GHz	52.26	74.0	-21.74	160	3.307	Horizontal	8.23

Avg

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
8.51 GHz	49.08	54.0	-4.92	155	3.798	Vertical	1.74
3.60 GHz	31.55	54.0	-22.45	128	3.802	Horizontal	-10.27
8.51 GHz	50.66	54.0	-3.34	115	3.798	Horizontal	1.74
14.74 GHz	43.28	54.0	-10.72	97	3.802	Horizontal	11.91
15.96 GHz	39.67	54.0	-14.33	160	3.307	Horizontal	8.23

Table 13: Radiated Emissions 1 – 17 GHz at the Highest Frequency



Peak

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Pol.	Correction (dB)
21.04 GHz	48.19	74.0	-25.81	173	Vertical	-0.58
26.31 GHz	52.26	74.0	-21.74	173	Vertical	1.33
21.04 GHz	51.34	74.0	-22.66	71	Horizontal	-0.59
26.31 GHz	57.10	74.0	-16.90	127	Horizontal	1.39

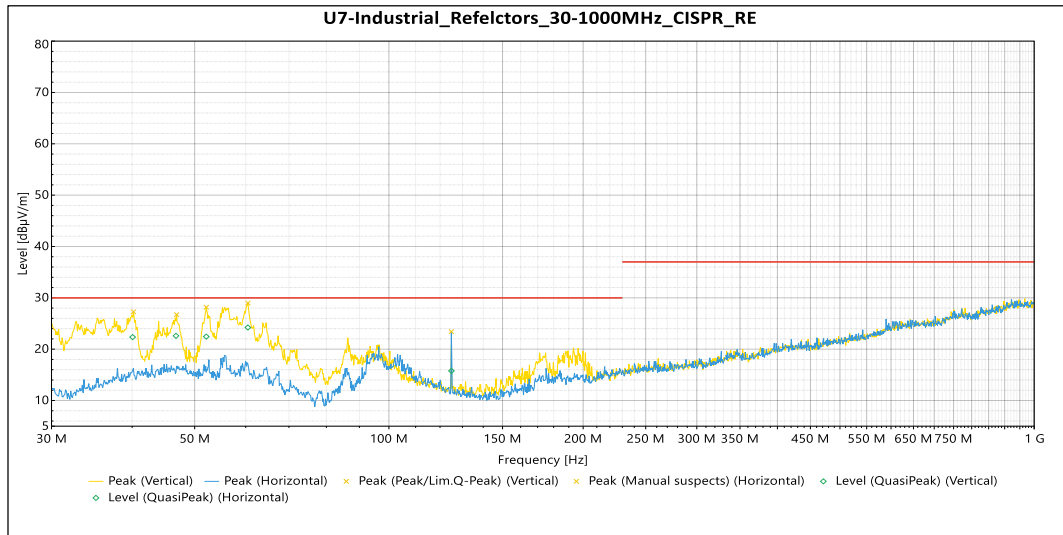
Avg

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Pol.	Correction (dB)
21.04 GHz	37.07	54.0	-16.93	173	Vertical	-0.58
26.31 GHz	40.83	54.0	-13.17	173	Vertical	1.33
21.04 GHz	41.90	54.0	-12.10	71	Horizontal	-0.59
26.31 GHz	45.29	54.0	-8.71	127	Horizontal	1.39

Table 14: Radiated Emissions 17 – 40 GHz at the Lowest Frequency (worse case)

5.5.3 UNII-2C

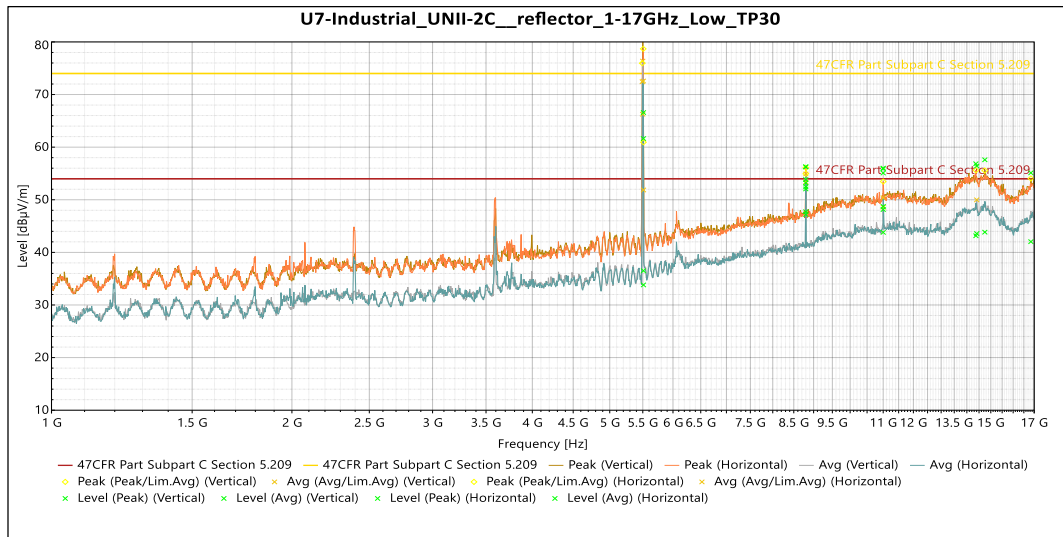
Internal Antenna



QuasiPeak

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin	Azimuth (°)	Height	Pol.	Correction (dB)
40.07 MHz	22.35	30.0	-7.65	4	1.07	Vertical	-13.23
46.78 MHz	22.59	30.0	-7.41	1	2.46	Vertical	-12.03
52.12 MHz	22.44	30.0	-7.56	15	2.11	Vertical	-12.53
60.46 MHz	24.22	30.0	-5.78	9	3.66	Vertical	-14.37
124.99 MHz	15.77	30.0	-14.23	329	2.77	Horizontal	-16.63

Table 15: Radiated Emissions 30 – 1000 MHz



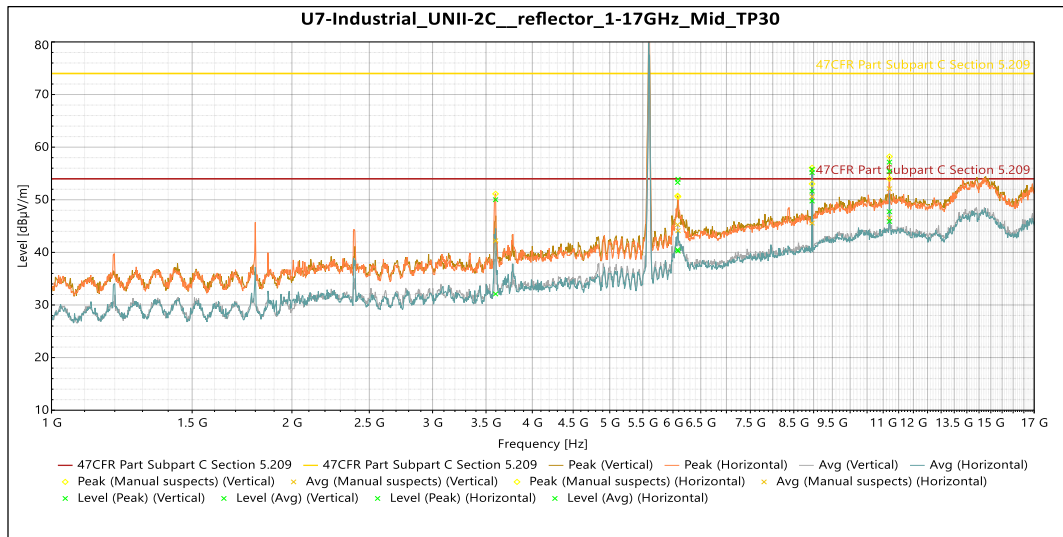
Peak

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
8.80 GHz	56.26	74.0	-17.74	93	1.643	Vertical	2.87
11.00 GHz	55.08	74.0	-18.92	99	1.643	Vertical	7.34
14.40 GHz	56.41	74.0	-17.59	224	4	Vertical	11.19
14.75 GHz	57.60	74.0	-16.40	297	3.802	Vertical	11.92
8.80 GHz	56.26	74.0	-17.74	90	2.65	Horizontal	3.87
11.00 GHz	56.01	74.0	17.99	99	4	Horizontal	7.34
14.37 GHz	56.84	74.0	17.16	45	3.307	Horizontal	11.14

Avg

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
8.80 GHz	52.06	54.0	-1.94	93	1.643	Vertical	2.87
11.00 GHz	43.80	54.0	-10.20	99	1.643	Vertical	7.34
14.40 GHz	43.57	54.0	-10.43	224	4	Vertical	11.19
14.75 GHz	43.84	54.0	-10.16	297	3.802	Vertical	11.92
8.80 GHz	52.46	54.0	-1.54	90	2.65	Horizontal	3.87
11.00 GHz	48.74	54.0	-5.26	99	4	Horizontal	7.34
14.37 GHz	43.16	54.0	-10.84	45	3.307	Horizontal	11.14

Table 16: Radiated Emissions 1 – 17 GHz at the Lowest Frequency



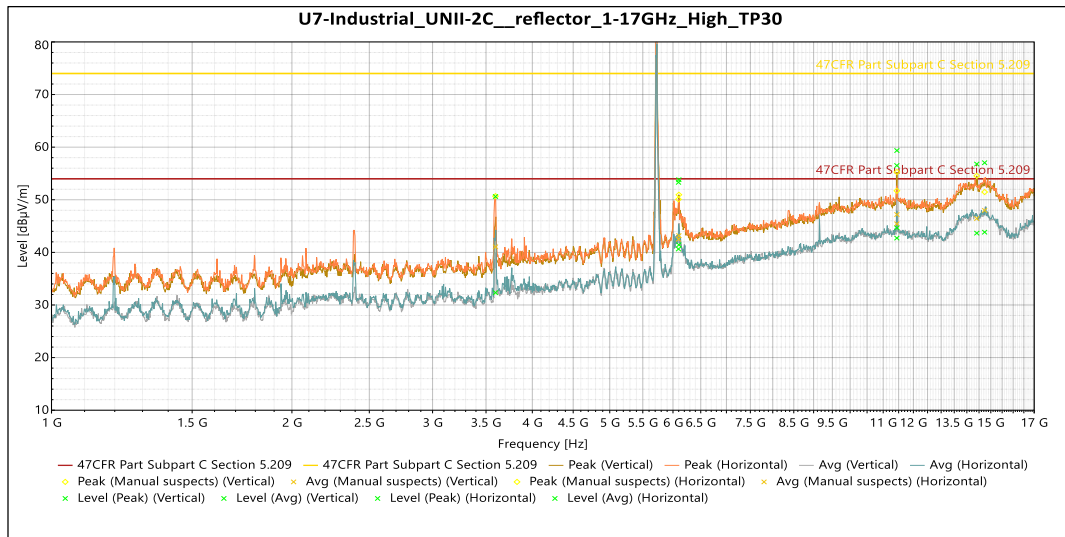
Peak

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
6.08 GHz	53.28	74.0	-20.72	105	1.643	Vertical	-4.65
8.96 GHz	55.15	74.0	-18.85	102	4	Vertical	2.91
11.20 GHz	55.41	74.0	-18.59	131	3.311	Vertical	7.22
3.60 GHz	50.01	74.0	-23.99	113	3.384	Horizontal	-10.27
6.09 GHz	53.91	74.0	-20.09	103	1.638	Horizontal	-4.65
8.96 GHz	55.79	74.0	-18.21	78	2.146	Horizontal	2.91
11.20 GHz	57.15	74.0	-16.85	99	2.142	Horizontal	7.22

Avg

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
6.08 GHz	40.50	54.0	-13.50	105	1.643	Vertical	-4.65
8.96 GHz	49.76	54.0	-4.24	102	4	Vertical	2.91
11.20 GHz	45.88	54.0	-8.12	131	3.311	Vertical	7.22
3.60 GHz	32.09	54.0	-21.91	113	3.384	Horizontal	-10.27
6.09 GHz	40.24	54.0	-13.76	103	1.638	Horizontal	-4.65
8.96 GHz	51.63	54.0	-2.37	78	2.146	Horizontal	2.91
11.20 GHz	47.74	54.0	-6.26	99	2.142	Horizontal	7.22

Table 17: Radiated Emissions 1 – 17 GHz at the Middle Frequency



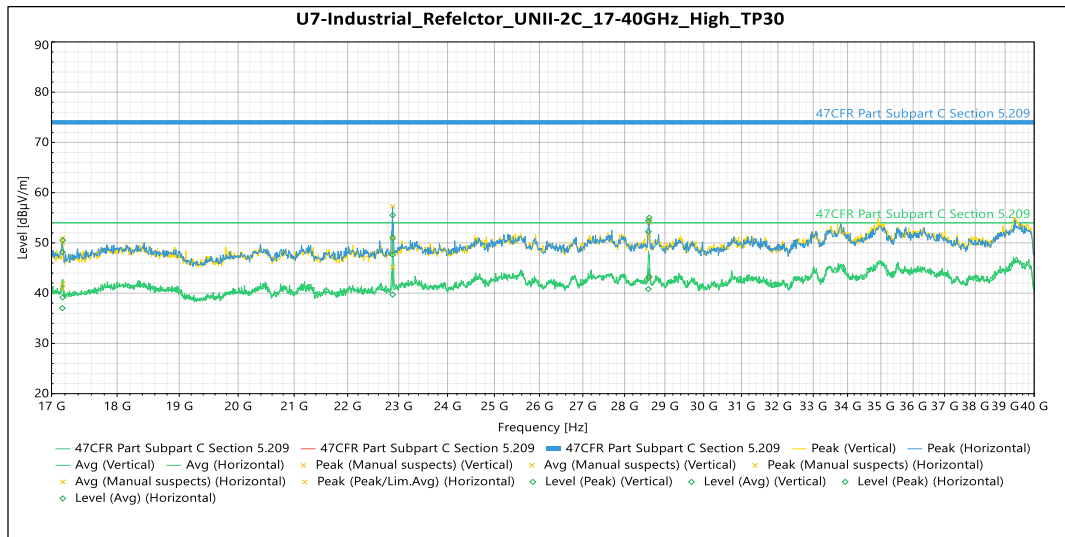
Peak

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
11.44 GHz	59.36	74.0	-14.64	103	1.638	Vertical	7.76
14.41 GHz	56.79	74.0	-17.21	222	4	Vertical	11.18
14.74 GHz	57.04	74.0	-16.96	117	3.802	Vertical	11.89
3.60 GHz	50.62	74.0	-23.38	116	2.816	Horizontal	-10.28
6.10 GHz	53.31	74.0	-20.69	97	3.38	Horizontal	-4.62
11.44 GHz	56.51	74.0	-17.49	97	1.643	Horizontal	7.73

Avg

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
11.44 GHz	44.66	54.0	-9.34	103	1.638	Vertical	7.76
14.41 GHz	43.65	54.0	-10.35	222	4	Vertical	11.18
14.74 GHz	43.84	54.0	-10.16	117	3.802	Vertical	11.89
3.60 GHz	32.34	54.0	21.66	116	2.816	Horizontal	-10.28
6.10 GHz	40.64	54.0	13.36	97	3.38	Horizontal	-4.62
11.44 GHz	42.72	54.0	11.28	97	1.643	Horizontal	7.73

Table 18: Radiated Emissions 1 – 17 GHz at the Highest Frequency



Peak

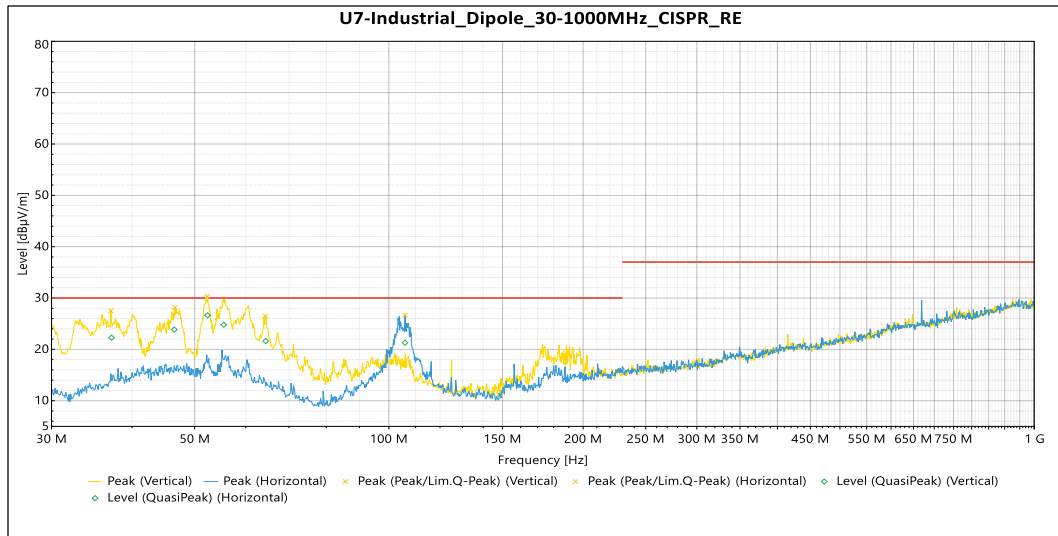
Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Pol.	Correction (dB)
17.17 GHz	50.55	74.0	-23.45	110	Vertical	-0.63
22.88 GHz	51.00	74.0	-23.00	112	Vertical	-0.03
28.59 GHz	52.23	74.0	-21.77	70	Vertical	1.58
17.16 GHz	48.15	74.0	-25.85	92	Horizontal	-0.59
22.88 GHz	55.51	74.0	-18.49	68	Horizontal	-0.03
28.61 GHz	55.01	74.0	-18.99	113	Horizontal	1.56

Avg

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Pol.	Correction (dB)
17.17 GHz	39.17	54.0	-14.83	110	Vertical	-0.63
22.88 GHz	39.69	54.0	-14.31	112	Vertical	-0.03
28.59 GHz	40.82	54.0	-13.18	70	Vertical	1.58
17.16 GHz	37.01	54.0	-16.99	92	Horizontal	-0.59
22.88 GHz	47.65	54.0	-6.35	68	Horizontal	-0.03
28.61 GHz	43.28	54.0	-10.72	113	Horizontal	1.56

Table 19: Radiated Emissions 17 – 40 GHz at the Highest Frequency (worse case)

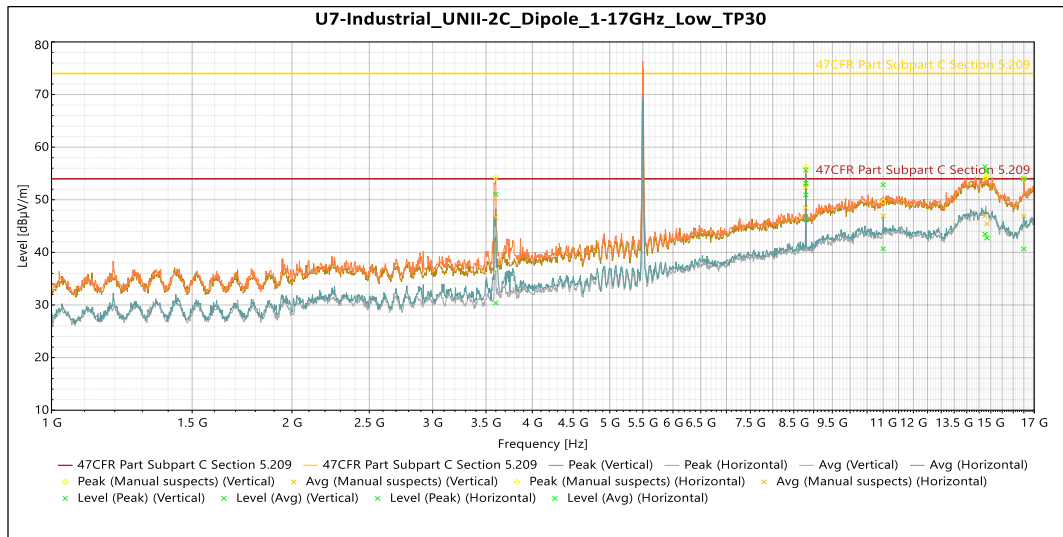
External Antenna



QuasiPeak

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin	Azimuth (°)	Height	Pol.	Correction (dB)
37.17 MHz	22.28	30.0	-7.72	15	1.47	Vertical	-14.48
46.50 MHz	23.85	30.0	-6.15	18	3.35	Vertical	-12.03
52.35 MHz	26.63	30.0	-3.37	71	3.11	Vertical	-12.58
55.48 MHz	24.78	30.0	-5.22	339	3.12	Vertical	-13.19
64.44 MHz	21.61	30.0	-8.39	181	3.64	Vertical	-15.35
105.89 MHz	21.30	30.0	-8.70	330	3.88	Horizontal	-14.19

Table 20: Radiated Emissions 30 – 1000 MHz



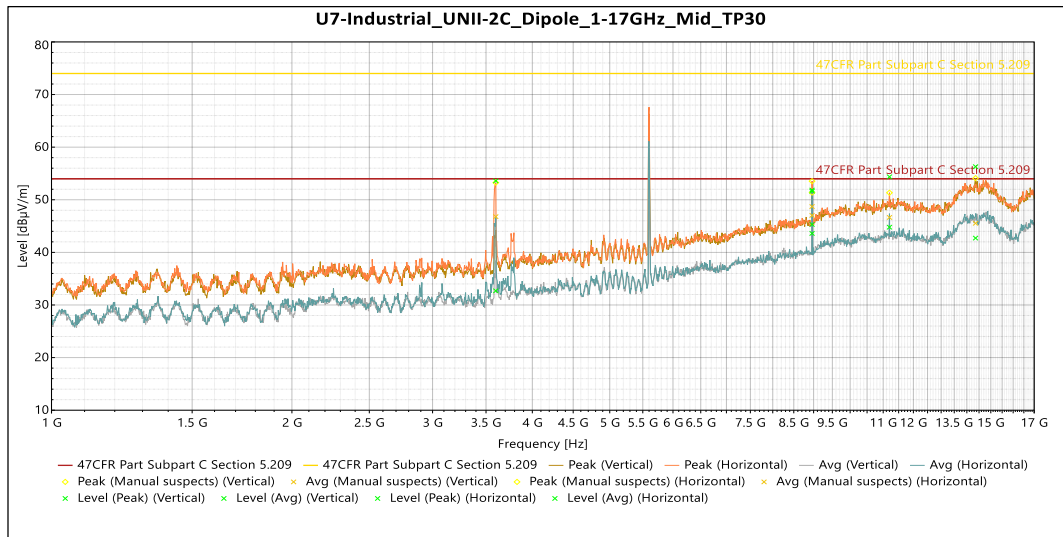
Peak

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
8.80 GHz	55.60	74.0	-18.40	149	4	Vertical	2.87
14.75 GHz	56.29	74.0	-17.71	293	3.802	Vertical	11.94
3.60 GHz	51.06	74.0	-22.94	126	3.798	Horizontal	-10.27
8.80 GHz	53.16	74.0	-20.84	167	3.311	Horizontal	2.87
11.00 GHz	52.84	74.0	-21.16	163	3.798	Horizontal	7.34
14.84 GHz	55.50	74.0	-18.50	50	3.802	Horizontal	11.78
16.50 GHz	53.98	74.0	-20.02	9	3.798	Horizontal	10.34

Avg

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
8.80 GHz	50.95	54.0	-3.05	149	4	Vertical	2.87
14.75 GHz	43.46	54.0	-10.54	293	3.802	Vertical	11.94
3.60 GHz	30.40	54.0	-23.60	126	3.798	Horizontal	-10.27
8.80 GHz	46.49	54.0	-7.51	167	3.311	Horizontal	2.87
11.00 GHz	40.70	54.0	-13.30	163	3.798	Horizontal	7.34
14.84 GHz	42.75	54.0	-11.25	50	3.802	Horizontal	11.78
16.50 GHz	40.66	54.0	-13.34	9	3.798	Horizontal	10.34

Table 21: Radiated Emissions 1 – 17 GHz at the Lowest Frequency



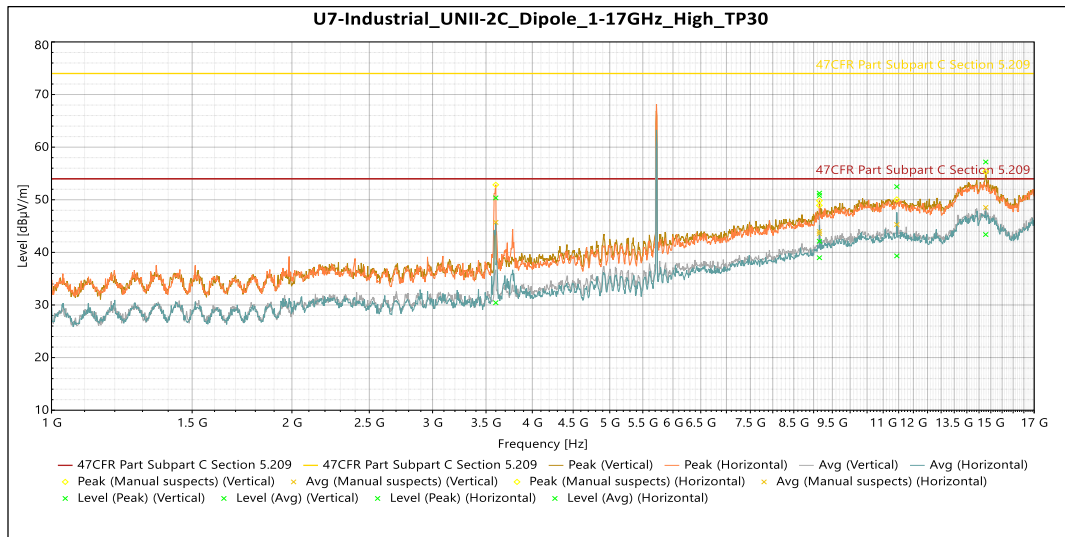
Peak

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
8.96 GHz	51.62	74.0	-22.38	149	3.149	Vertical	2.92
14.36 GHz	56.29	74.0	-17.71	191	3.307	Vertical	11.12
3.60 GHz	53.59	74.0	-20.41	58	3.311	Horizontal	-10.27
8.96 GHz	51.85	74.0	-22.15	204	2.816	Horizontal	2.91
11.20 GHz	54.36	74.0	-19.64	136	2.816	Horizontal	7.22

Avg

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
8.96 GHz	43.60	54.0	-10.40	149	3.149	Vertical	2.92
14.36 GHz	42.72	54.0	-11.28	191	3.307	Vertical	11.12
3.60 GHz		54.0		58	3.311	Horizontal	-10.27
8.96 GHz		54.0		204	2.816	Horizontal	2.91
11.20 GHz		54.0		136	2.816	Horizontal	7.22

Table 22: Radiated Emissions 1 – 17 GHz at the Middle Frequency



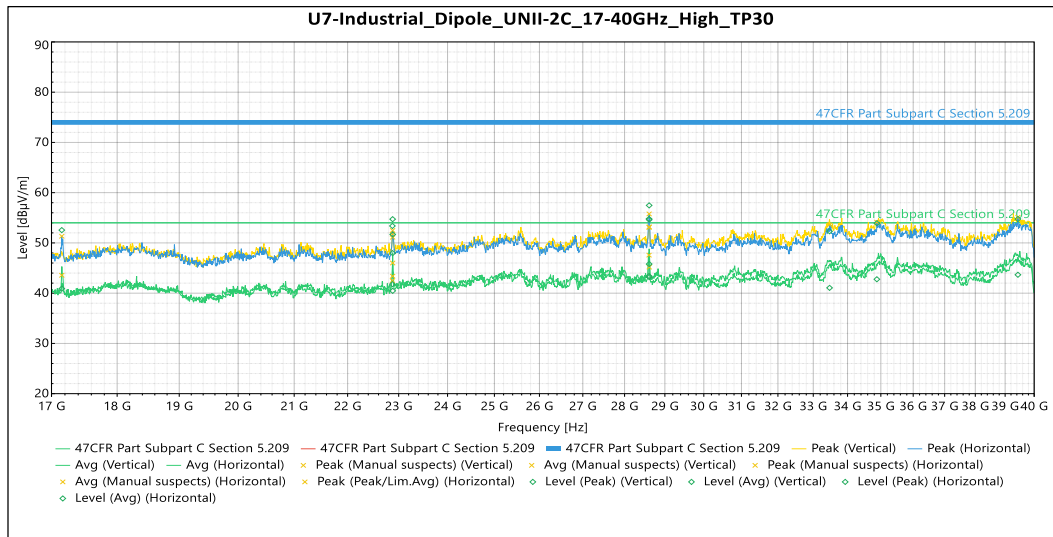
Peak

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
9.15 GHz	51.27	74.0	-22.73	123	1.638	Vertical	4.14
14.78 GHz	57.18	74.0	-16.82	298	4	Vertical	11.84
3.60 GHz	50.35	74.0	-23.65	136	3.802	Horizontal	-10.27
9.15 GHz	50.81	74.0	-23.19	158	3.802	Horizontal	4.14
11.44 GHz	52.49	74.0	-21.51	50	3.802	Horizontal	7.72

Avg

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
9.15 GHz	42.12	54.0	-11.88	123	1.638	Vertical	4.14
14.78 GHz	43.39	54.0	-10.61	298	4	Vertical	11.84
3.60 GHz	30.43	54.0	-23.57	136	3.802	Horizontal	-10.27
9.15 GHz	38.98	54.0	-15.02	158	3.802	Horizontal	4.14
11.44 GHz	39.33	54.0	-14.67	50	3.802	Horizontal	7.72

Table 23: Radiated Emissions 1 – 17 GHz at the Highest Frequency



Peak

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Pol.	Correction (dB)
22.88 GHz	53.38	74.0	-30.62	118	Vertical	-0.05
28.60 GHz	54.78	74.0	-19.22	138	Vertical	1.59
22.88 GHz	54.72	74.0	-19.28	157	Horizontal	-0.03
28.61 GHz	54.47	74.0	-16.53	127	Horizontal	1.57
34.88 GHz	53.93	74.0	-20.07	233	Horizontal	5.34
39.44 GHz	54.76	74.0	-19.24	187	Horizontal	4.04

Avg

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Pol.	Correction (dB)
22.88 GHz	41.79	54.0	-12.21	118	Vertical	-0.05
28.60 GHz	43.41	54.0	-10.59	138	Vertical	1.59
22.88 GHz	47.97	54.0	-6.03	157	Horizontal	-0.03
28.61 GHz	45.79	54.0	-8.21	127	Horizontal	1.57
34.88 GHz	42.77	54.0	-11.23	233	Horizontal	5.34
39.44 GHz	43.66	54.0	-10.34	187	Horizontal	4.04

Table 24: Radiated Emissions 17 – 40 GHz at the Highest Frequency (worse case)

5.6 §15.407(a) Maximum Power Spectral Density

All chains were measured and summed under the guidance of KDB 789033 Section II. F. and KDB 662911 D01. Please see associated annex for details on instrument settings.

The maximum average power spectral density conducted from the intentional radiator of the antenna shall not be greater than 11 dBm in any 1 MHz band during any time interval of continuous transmission. Results of this testing are summarized. With a 6 dBi antenna, the conducted limit for power spectral density is 11 dBm (adjusted limit of 5 dBm for the internal antenna).

See Section 2.2 for directional gain calculation.

Results of this testing are summarized.

5.6.1 UNII-2A

Internal Antenna 12 dBi

Nss>1

Modulation (BW)	Freq. (MHz)	Data Rate	TP Setting	Total Sum PSD EIRP (dBm)	Antenna Gain (dBi)	Limit (dBm)	Margin (dBm)
OFDM 20	5260	Mcs0_Nss2	13	4.87	12	5	-0.13
OFDM 20	5280	Mcs0_Nss2	13	4.89	12	5	-0.11
OFDM 20	5320	Mcs0_Nss2	14	4.78	12	5	-0.22
EHT 20	5260	Mcs0_Nss2	14	4.30	12	5	-0.7
EHT 20	5280	Mcs0_Nss2	14	4.33	12	5	-0.67
EHT 20	5320	Mcs0_Nss2	14	4.21	12	5	-0.79
EHT 40	5270	Mcs0_Nss2	15	3.92	12	5	-1.08
EHT 40	5310	Mcs0_Nss2	15	3.63	12	5	-1.37
EHT 80	5290	Mcs0_Nss2	15	0.36	12	5	-4.64
EHT 160	5250	Mcs0_Nss2	15	-2.76	12	5	-7.76

Nss=1

Modulation (BW)	Freq. (MHz)	Data Rate	TP Setting	Total Sum PSD EIRP (dBm)	Antenna Gain (dBi)	Limit (dBm)	Margin (dBm)
OFDM 20	5260	Mcs0_Nss1	4	-4.13	12	-4.01	-0.12
OFDM 20	5280	Mcs0_Nss1	4	-4.11	12	-4.01	-0.1
OFDM 20	5320	Mcs0_Nss1	5	-4.22	12	-4.01	-0.21
EHT 20	5260	Mcs0_Nss1	5	-4.70	12	-4.01	-0.69
EHT 20	5280	Mcs0_Nss1	5	-4.67	12	-4.01	-0.66
EHT 20	5320	Mcs0_Nss1	5	-4.79	12	-4.01	-0.78
EHT 40	5270	Mcs0_Nss1	7	-4.08	12	-4.01	-0.07
EHT 40	5310	Mcs0_Nss1	7	-4.37	12	-4.01	-0.36
EHT 80	5290	Mcs0_Nss1	10	-4.64	12	-4.01	-0.63
EHT 160	5250	Mcs0_Nss1	13	-4.76	12	-4.01	-0.75

Internal Antenna 10 dBi
Nss>1

Modulation (BW)	Freq. (MHz)	Data Rate	TP Setting	Total Sum PSD EIRP (dBm)	Antenna Gain (dBi)	Limit (dBm)	Margin (dBm)
OFDM 20	5260	Mcs0_Nss2	15	6.69	10	7	-0.31
OFDM 20	5280	Mcs0_Nss2	15	6.49	10	7	-0.51
OFDM 20	5320	Mcs0_Nss2	15	6.34	10	7	-0.66
EHT 20	5260	Mcs0_Nss2	15	6.11	10	7	-0.89
EHT 20	5280	Mcs0_Nss2	16	6.90	10	7	-0.10
EHT 20	5320	Mcs0_Nss2	16	6.65	10	7	-0.35
EHT 40	5270	Mcs0_Nss2	17	5.68	10	7	-1.32
EHT 40	5310	Mcs0_Nss2	17	5.51	10	7	-1.49
EHT 80	5290	Mcs0_Nss2	17	2.21	10	7	-4.79
EHT 160	5250	Mcs0_Nss2	16	-0.95	10	7	-7.95

Nss=1

Modulation (BW)	Freq. (MHz)	Data Rate	TP Setting	Total Sum PSD EIRP (dBm)	Antenna Gain (dBi)	Limit (dBm)	Margin (dBm)
OFDM 20	5260	Mcs0_Nss1	8	-0.31	10	-0.01	-0.30
OFDM 20	5280	Mcs0_Nss1	8	-0.51	10	-0.01	-0.50
OFDM 20	5320	Mcs0_Nss1	8	-0.66	10	-0.01	-0.65
EHT 20	5260	Mcs0_Nss1	8	-0.89	10	-0.01	-0.88
EHT 20	5280	Mcs0_Nss1	9	-0.10	10	-0.01	-0.09
EHT 20	5320	Mcs0_Nss1	9	-0.35	10	-0.01	-0.34
EHT 40	5270	Mcs0_Nss1	11	-0.32	10	-0.01	-0.31
EHT 40	5310	Mcs0_Nss1	11	-0.49	10	-0.01	-0.48
EHT 80	5290	Mcs0_Nss1	14	-0.79	10	-0.01	-0.78
EHT 160	5250	Mcs0_Nss1	16	-0.95	10	-0.01	-0.94

External Antenna 6 dBi
Nss>1

Modulation (BW)	Freq. (MHz)	Data Rate	TP Setting	Total Sum PSD EIRP (dBm)	Antenna Gain (dBi)	Limit (dBm)	Margin (dBm)
OFDM 20	5260	Mcs0_Nss2	20	10.15	6	11	-0.85
OFDM 20	5280	Mcs0_Nss2	20	10.19	6	11	-0.81
OFDM 20	5320	Mcs0_Nss2	20	10.07	6	11	-0.93
EHT 20	5260	Mcs0_Nss2	21	10.41	6	11	-0.59
EHT 20	5280	Mcs0_Nss2	21	10.43	6	11	-0.57
EHT 20	5320	Mcs0_Nss2	21	10.43	6	11	-0.57
EHT 40	5270	Mcs0_Nss2	22	8.88	6	11	-2.12
EHT 40	5310	Mcs0_Nss2	22	8.85	6	11	-2.15
EHT 80	5290	Mcs0_Nss2	23	6.46	6	11	-4.54
EHT 160	5250	Mcs0_Nss2	22	3.35	6	11	-7.65

Nss=1

Modulation (BW)	Freq. (MHz)	Data Rate	TP Setting	Total Sum PSD EIRP (dBm)	Antenna Gain (dBi)	Limit (dBm)	Margin (dBm)
OFDM 20	5260	Mcs0_Nss1	17	7.15	6	7.99	-0.84
OFDM 20	5280	Mcs0_Nss1	17	7.19	6	7.99	-0.8
OFDM 20	5320	Mcs0_Nss1	17	7.07	6	7.99	-0.92
EHT 20	5260	Mcs0_Nss1	18	7.41	6	7.99	-0.58
EHT 20	5280	Mcs0_Nss1	18	7.43	6	7.99	-0.56
EHT 20	5320	Mcs0_Nss1	18	7.43	6	7.99	-0.56
EHT 40	5270	Mcs0_Nss1	21	7.88	6	7.99	-0.11
EHT 40	5310	Mcs0_Nss1	20	6.85	6	7.99	-1.14
EHT 80	5290	Mcs0_Nss1	23	6.46	6	7.99	-1.53
EHT 160	5250	Mcs0_Nss1	22	3.35	6	7.99	-4.64

5.6.2 UNII-2C

Internal Antenna 12 dBi

Nss>1

Modulation (BW)	Freq. (MHz)	Data Rate	TP Setting	Total Sum PSD EIRP (dBm)	Antenna Gain (dBi)	Limit (dBm)	Margin (dBm)
OFDM 20	5500	Mcs0_Nss2	14	4.96	12	5	-0.04
OFDM 20	5600	Mcs0_Nss2	13	4.62	12	5	-0.38
OFDM 20	5720	Mcs0_Nss2	13	4.99	12	5	-0.01
EHT 20	5500	Mcs0_Nss2	14	4.20	12	5	-0.80
EHT 20	5600	Mcs0_Nss2	14	4.93	12	5	-0.07
EHT 20	5720	Mcs0_Nss2	13	4.62	12	5	-0.38
EHT 40	5510	Mcs0_Nss2	16	3.63	12	5	-1.37
EHT 40	5590	Mcs0_Nss2	15	3.62	12	5	-1.38
EHT 40	5710	Mcs0_Nss2	14	2.80	12	5	-2.20
EHT 80	5530	Mcs0_Nss2	16	0.42	12	5	-4.58
EHT 80	5610	Mcs0_Nss2	15	-0.12	12	5	-5.12
EHT 80	5690	Mcs0_Nss2	15	0.73	12	5	-4.27
EHT160	5570	Mcs0_Nss2	15	-2.90	12	5	-7.90
EHT240	5610	Mcs0_Nss2	16	-4.68	12	5	-9.68

Nss=1

Modulation (BW)	Freq. (MHz)	Data Rate	TP Setting	Total Sum PSD EIRP (dBm)	Antenna Gain (dBi)	Limit (dBm)	Margin (dBm)
OFDM 20	5500	Mcs0_Nss1	5	-4.04	12	-4.01	-0.03
OFDM 20	5600	Mcs0_Nss1	4	-4.38	12	-4.01	-0.37
OFDM 20	5720	Mcs0_Nss1	4	-4.01	12	-4.01	0.00
EHT 20	5500	Mcs0_Nss1	5	-4.80	12	-4.01	-0.79
EHT 20	5600	Mcs0_Nss1	5	-4.07	12	-4.01	-0.06
EHT 20	5720	Mcs0_Nss1	4	-4.38	12	-4.01	-0.37
EHT 40	5510	Mcs0_Nss1	8	-4.37	12	-4.01	-0.36
EHT 40	5590	Mcs0_Nss1	7	-4.38	12	-4.01	-0.37
EHT 40	5710	Mcs0_Nss1	7	-4.20	12	-4.01	-0.19
EHT 80	5530	Mcs0_Nss1	11	-4.58	12	-4.01	-0.57
EHT 80	5610	Mcs0_Nss1	11	-4.12	12	-4.01	-0.11
EHT 80	5690	Mcs0_Nss1	10	-4.27	12	-4.01	-0.26
EHT160	5570	Mcs0_Nss1	13	-4.90	12	-4.01	-0.89
EHT240	5610	Mcs0_Nss1	16	-4.68	12	-4.01	-0.67

Internal Antenna 10 dBi
Nss>1

Modulation (BW)	Freq. (MHz)	Data Rate	TP Setting	Total Sum PSD EIRP (dBm)	Antenna Gain (dBi)	Limit (dBm)	Margin (dBm)
OFDM 20	5500	Mcs0_Nss2	16	6.93	10	7	-0.07
OFDM 20	5600	Mcs0_Nss2	15	6.55	10	7	-0.45
OFDM 20	5720	Mcs0_Nss2	15	6.83	10	7	-0.17
EHT 20	5500	Mcs0_Nss2	17	6.91	10	7	-0.09
EHT 20	5600	Mcs0_Nss2	16	6.62	10	7	-0.38
EHT 20	5720	Mcs0_Nss2	15	6.37	10	7	-0.63
EHT 40	5510	Mcs0_Nss2	18	5.59	10	7	-1.41
EHT 40	5590	Mcs0_Nss2	17	5.41	10	7	-1.59
EHT 40	5710	Mcs0_Nss2	17	5.68	10	7	-1.32
EHT 80	5530	Mcs0_Nss2	18	2.24	10	7	-4.76
EHT 80	5610	Mcs0_Nss2	17	1.77	10	7	-5.23
EHT 80	5690	Mcs0_Nss2	17	2.71	10	7	-4.29
EHT160	5570	Mcs0_Nss2	17	-0.98	10	7	-7.98
EHT240	5610	Mcs0_Nss2	18	-2.79	10	7	-9.79

Nss=1

Modulation (BW)	Freq. (MHz)	Data Rate	TP Setting	Total Sum PSD EIRP (dBm)	Antenna Gain (dBi)	Limit (dBm)	Margin (dBm)
OFDM 20	5500	Mcs0_Nss1	9	-0.07	10	-0.01	-0.06
OFDM 20	5600	Mcs0_Nss1	8	-0.45	10	-0.01	-0.44
OFDM 20	5720	Mcs0_Nss1	8	-0.17	10	-0.01	-0.16
EHT 20	5500	Mcs0_Nss1	10	-0.09	10	-0.01	-0.08
EHT 20	5600	Mcs0_Nss1	9	-0.38	10	-0.01	-0.37
EHT 20	5720	Mcs0_Nss1	8	-0.63	10	-0.01	-0.62
EHT 40	5510	Mcs0_Nss1	12	-0.41	10	-0.01	-0.40
EHT 40	5590	Mcs0_Nss1	11	-0.59	10	-0.01	-0.58
EHT 40	5710	Mcs0_Nss1	11	-0.32	10	-0.01	-0.31
EHT 80	5530	Mcs0_Nss1	15	-0.76	10	-0.01	-0.75
EHT 80	5610	Mcs0_Nss1	15	-0.23	10	-0.01	-0.22
EHT 80	5690	Mcs0_Nss1	14	-0.29	10	-0.01	-0.28
EHT160	5570	Mcs0_Nss1	17	-0.98	10	-0.01	-0.97
EHT240	5610	Mcs0_Nss1	18	-2.79	10	-0.01	-2.78

External Antenna 6 dBi
Nss>1

Modulation (BW)	Freq. (MHz)	Data Rate	TP Setting	Total Sum PSD EIRP (dBm)	Antenna Gain (dBi)	Limit (dBm)	Margin (dBm)
OFDM 20	5500	Mcs0_Nss2	20	10.26	6	11	-0.74
OFDM 20	5600	Mcs0_Nss2	20	10.91	6	11	-0.09
OFDM 20	5720	Mcs0_Nss2	20	10.49	6	11	-0.51
EHT 20	5500	Mcs0_Nss2	20	10.63	6	11	-0.37
EHT 20	5600	Mcs0_Nss2	20	10.15	6	11	-0.85
EHT 20	5720	Mcs0_Nss2	20	10.10	6	11	-0.9
EHT 40	5510	Mcs0_Nss2	22	9.19	6	11	-1.81
EHT 40	5590	Mcs0_Nss2	22	9.80	6	11	-1.20
EHT 40	5710	Mcs0_Nss2	22	9.20	6	11	-1.80
EHT 80	5530	Mcs0_Nss2	23	6.76	6	11	-4.24
EHT 80	5610	Mcs0_Nss2	22	5.99	6	11	-5.01
EHT 80	5690	Mcs0_Nss2	22	6.70	6	11	-4.30
EHT160	5570	Mcs0_Nss2	22	3.52	6	11	-7.48
EHT240	5610	Mcs0_Nss2	16	-5.54	6	11	-16.54

Nss=1

Modulation (BW)	Freq. (MHz)	Data Rate	TP Setting	Total Sum PSD EIRP (dBm)	Antenna Gain (dBi)	Limit (dBm)	Margin (dBm)
OFDM 20	5500	Mcs0_Nss1	17	7.26	6	7.99	-0.73
OFDM 20	5600	Mcs0_Nss1	17	7.91	6	7.99	-0.08
OFDM 20	5720	Mcs0_Nss1	17	7.49	6	7.99	-0.50
EHT 20	5500	Mcs0_Nss1	17	7.63	6	7.99	-0.36
EHT 20	5600	Mcs0_Nss1	17	7.15	6	7.99	-0.84
EHT 20	5720	Mcs0_Nss1	17	7.10	6	7.99	-0.89
EHT 40	5510	Mcs0_Nss1	20	7.19	6	7.99	-0.80
EHT 40	5590	Mcs0_Nss1	20	7.80	6	7.99	-0.19
EHT 40	5710	Mcs0_Nss1	21	8.20	6	7.99	0.21
EHT 80	5530	Mcs0_Nss1	23	6.76	6	7.99	-1.23
EHT 80	5610	Mcs0_Nss1	22	5.99	6	7.99	-2.00
EHT 80	5690	Mcs0_Nss1	22	6.70	6	7.99	-1.29
EHT160	5570	Mcs0_Nss1	22	3.52	6	7.99	-4.47
EHT240	5610	Mcs0_Nss1	16	-5.54	6	7.99	-13.53

Result

The maximum average power spectral density was less than the limit of 11 dBm (adjusted limit of 5 dBm and 7 dBm for the internal antennas); therefore, the EUT complies with the specification.

5.7 DFS Requirement

This product is a master with radar detection. The outcome of the required DFS tests is located in this section. DFS testing was performed following the test procedures as outlined in KDB 905462.

The product passes all required DFS tests for a master with radar detection.

Information	Status
Possible Antenna/s	Integral Internal 6 dBi & External Dipole 12 dBi
Antenna used for test	Integral Internal 6 dBi
Operating mode	Master
If Client	N/A
Port used for testing	FJ3 and FJ4
EIRP range	> 200 milliwatts
Impedance of port	50 ohms
Channel loading technique	Data transfer was enacted to achieve a minimum channel loading of approximately 17%
Antenna measurement technique	See note 1
Time of power-on cycle	61s
Detection threshold level	-57 dBm

Requirement	Operational Mode		
	Master	Client Without Radar Detection	Client With Radar Detection
<i>Non-Occupancy Period</i>	Yes	Not Required	Yes
<i>DFS Detection Threshold</i>	Yes	Not Required	Yes
<i>Channel Availability Check Time</i>	Yes	Not Required	Not Required
<i>U-NII Detection Bandwidth</i>	Yes	Not Required	Yes

Requirement	Operational Mode	
	Master or Client Client Without Radar Detection	Client Without Radar Detection
<i>DFS Detection Threshold</i>	Yes	Not Required
<i>Channel Closing Transmission Time</i>	Yes	Yes
<i>Channel Move Time</i>	Yes	Yes
<i>U-NII Detection Bandwidth</i>	Yes	Not Required

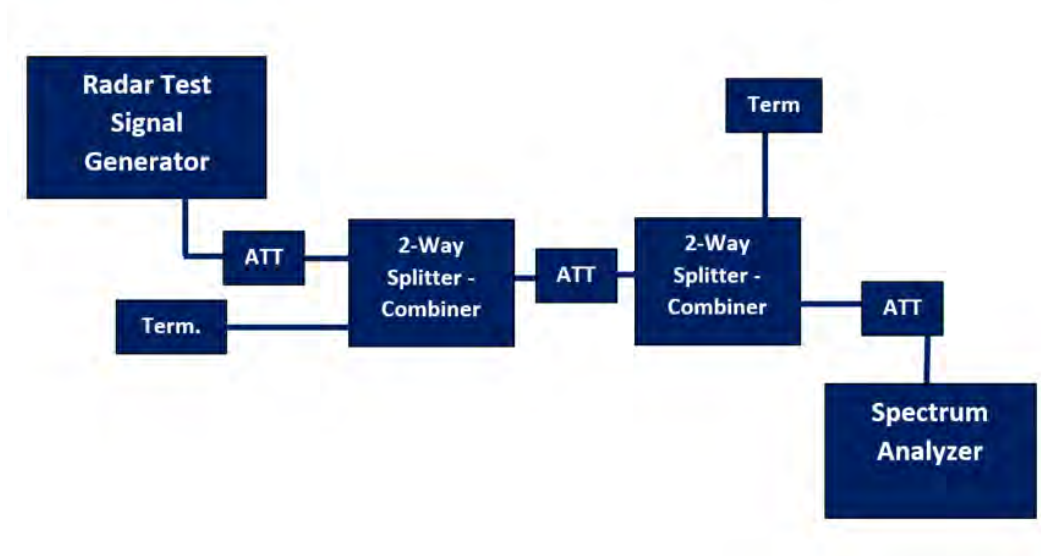


Figure 6: DFS injection at Master conducted setup

Parameter	Value
<i>Non-occupancy period</i>	Minimum 30 minutes
<i>Channel Availability Check Time</i>	60 seconds
<i>Channel Move Time</i>	10 seconds See Note 1.
<i>Channel Closing Transmission Time</i>	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
<i>U-NII Detection Bandwidth</i>	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.
Note 1: <i>Channel Move Time</i> and the <i>Channel Closing Transmission Time</i> should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst. Note 2: The <i>Channel Closing Transmission Time</i> is comprised of 200 milliseconds starting at the beginning of the <i>Channel Move Time</i> plus any additional intermittent control signals required to facilitate a <i>Channel move</i> (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions. Note 3: During the <i>U-NII Detection Bandwidth</i> detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.	

Table 25: DFS Timing requirements

Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP $\geq$ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62 dBm
EIRP < 200 milliwatt that do not meet the power spectral density requirement	-64 dBm
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna. Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response. Note 3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.	

Table 26: DFS Detection Threshold

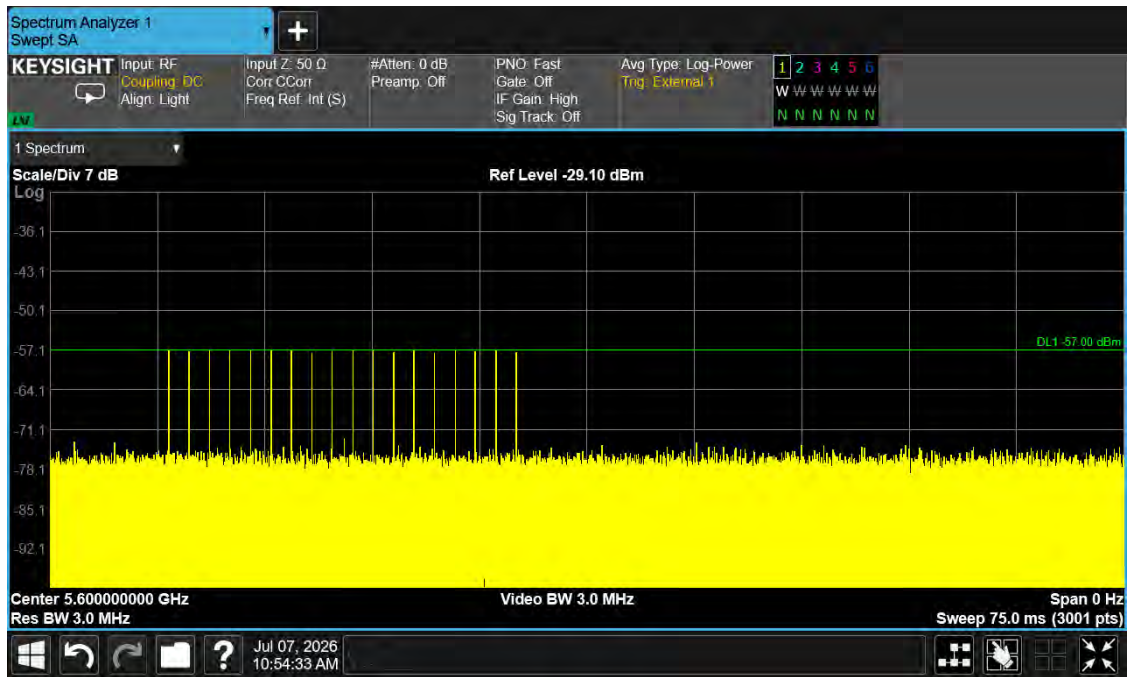
Radar Type	Pulse Width (μ sec)	PRI (μ sec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a Test B: 15 unique PRI values randomly selected within the range of 518-3066 μ sec, with a minimum increment of 1 μ sec, excluding PRI values selected in Test A	$\text{Roundup} \left\{ \begin{array}{l} \left(\frac{1}{360} \right) \\ \left(\frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{SEC}}} \right) \end{array} \right\}$	60%	30
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120
Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.					

Table 27: Short Pulse Radar Types

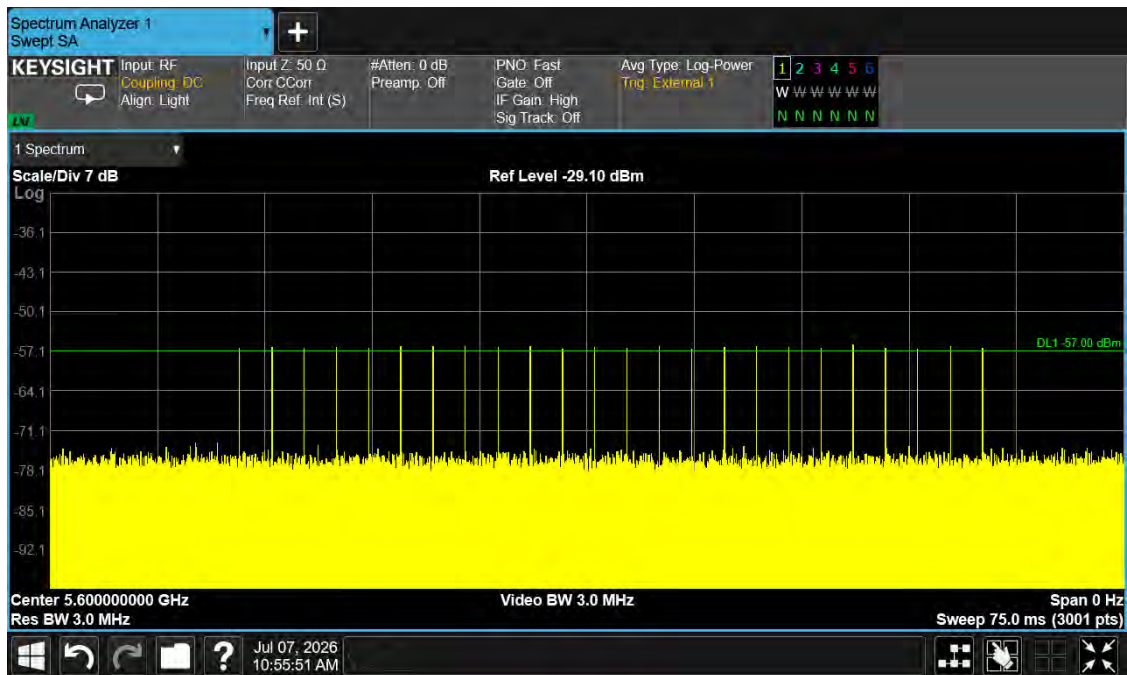
Radar Type	Pulse Width (μ sec)	Chirp Width (MHz)	PRI (μ sec)	Number of Pulses per Burst	Number of Bursts	Minimum Percentage of Successful Detection	Minimum Number of Trials
5	50-100	5-20	1000-2000	1-3	8-20	80%	30

Radar Type	Pulse Width (μ sec)	PRI (μ sec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Minimum Percentage of Successful Detection	Minimum Number of Trials
6	1	333	9	0.333	300	70%	30

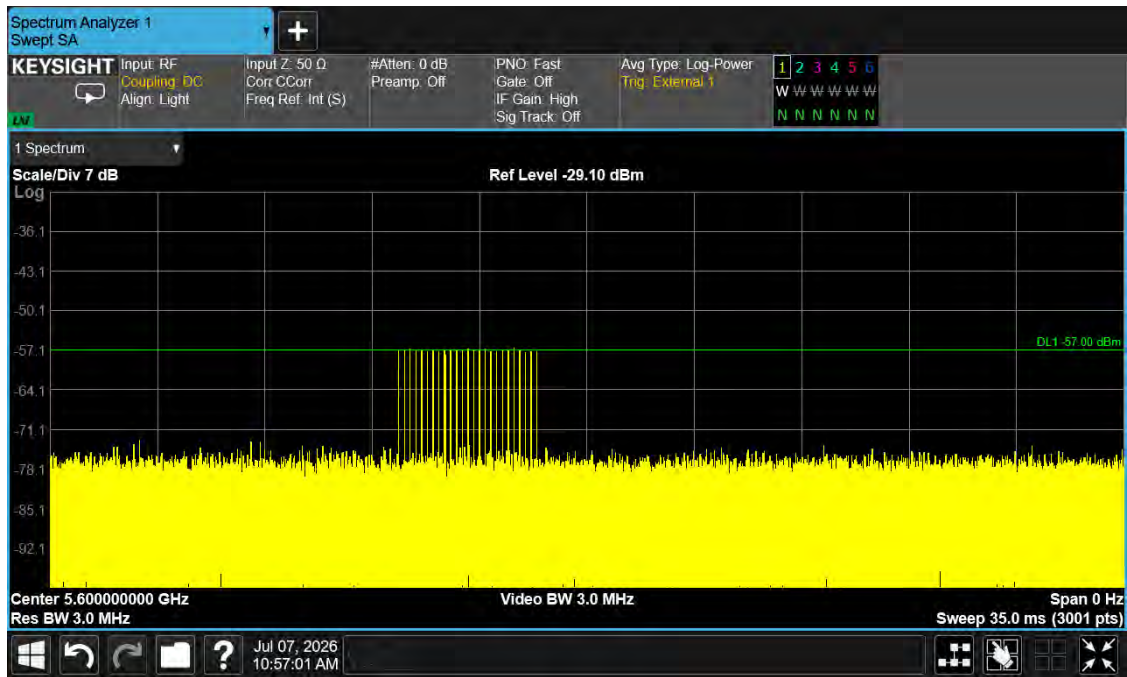
Table 28: Long Pulse Radar Types for In-service Monitoring



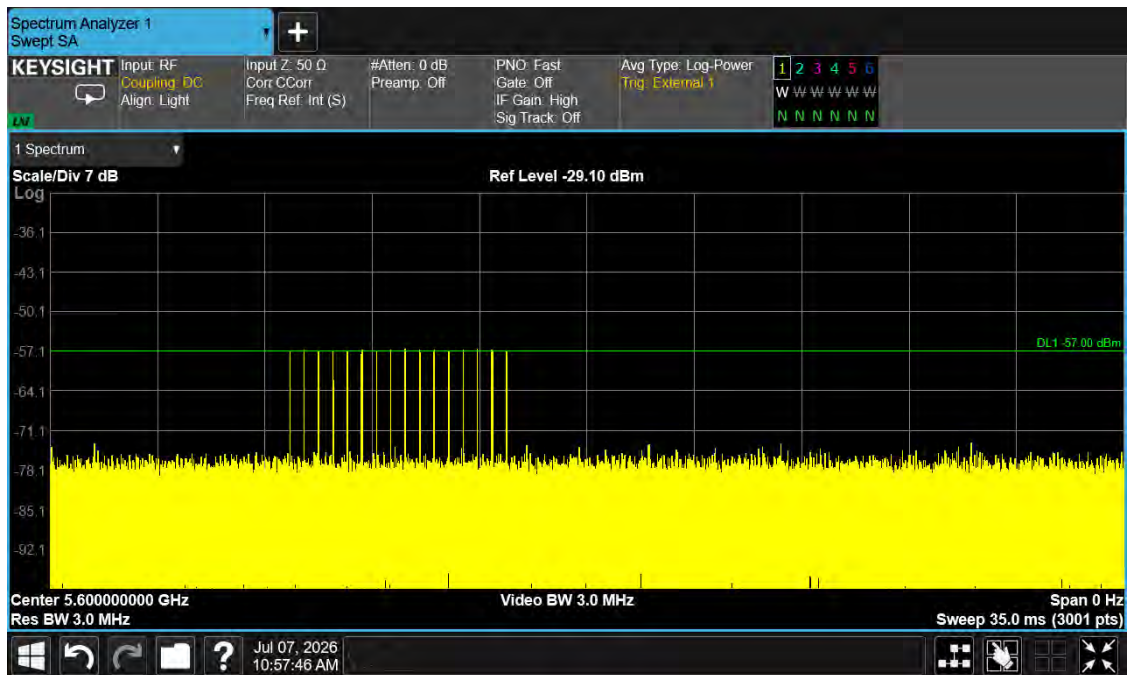
Plot 1: Radar Level 0



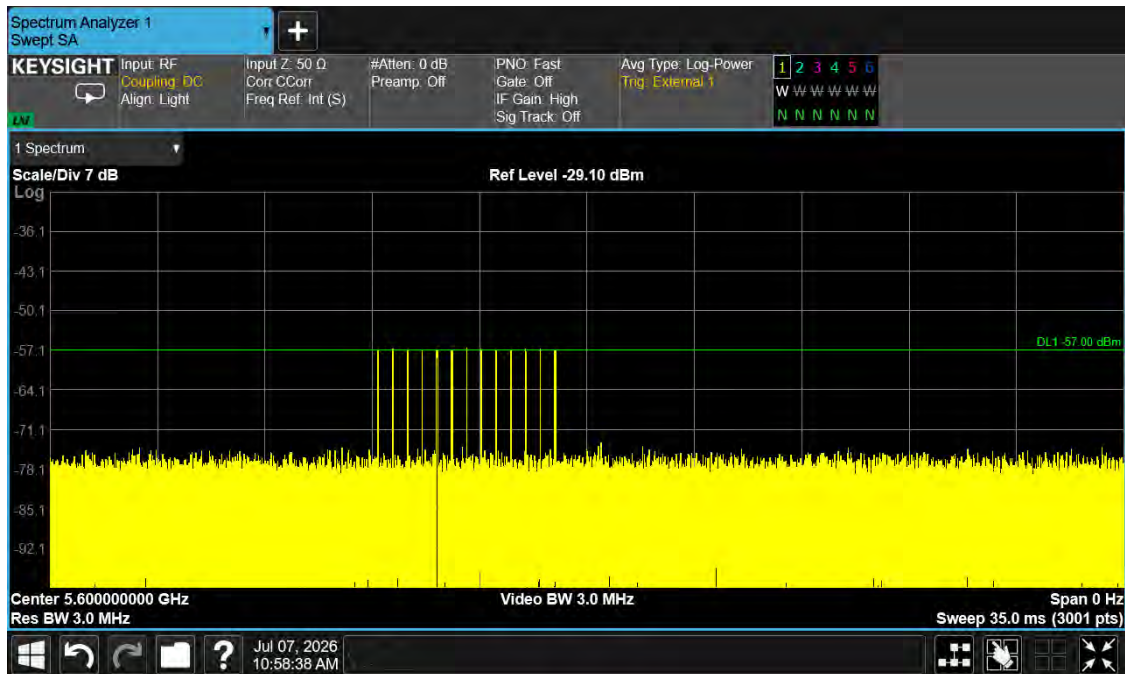
Plot 2: Radar Level 1



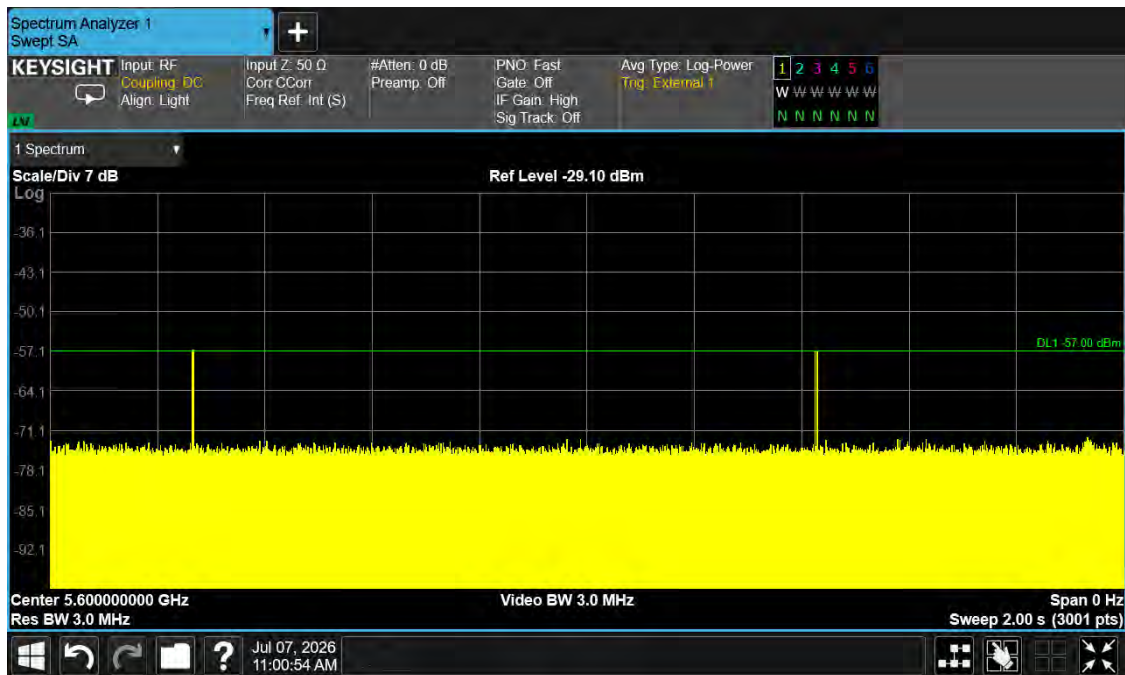
Plot 3: Radar Level 2



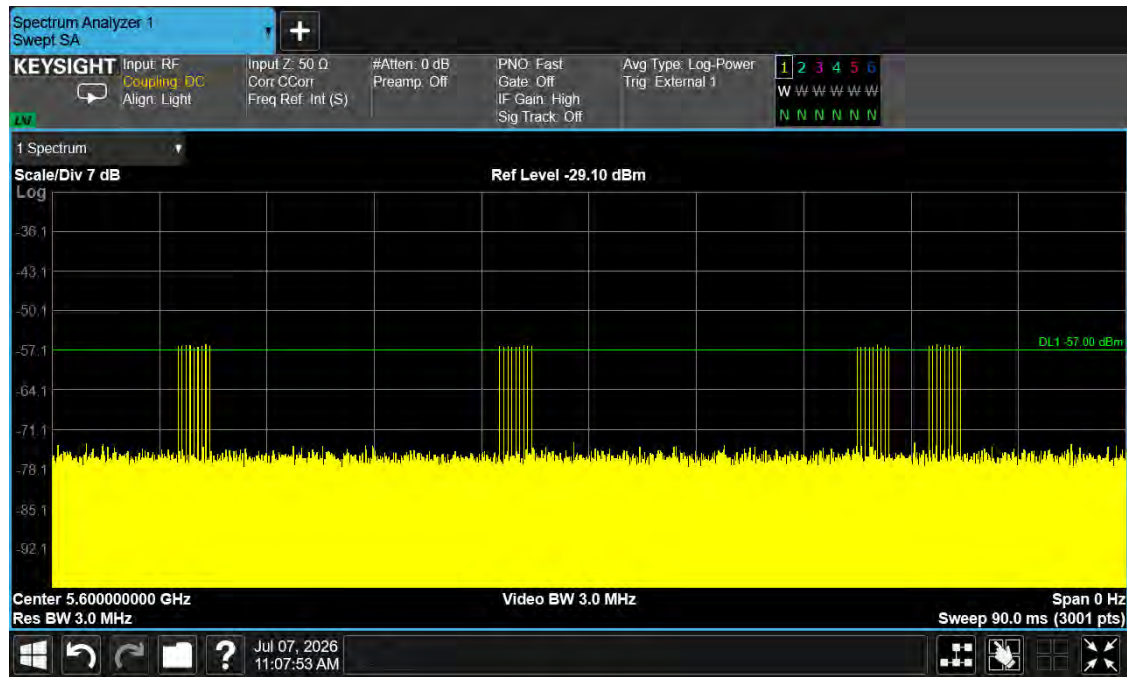
Plot 4: Radar Level 3



Plot 5: Radar Level 4



Plot 6: Radar Level 5



Plot 7: Radar Level 6

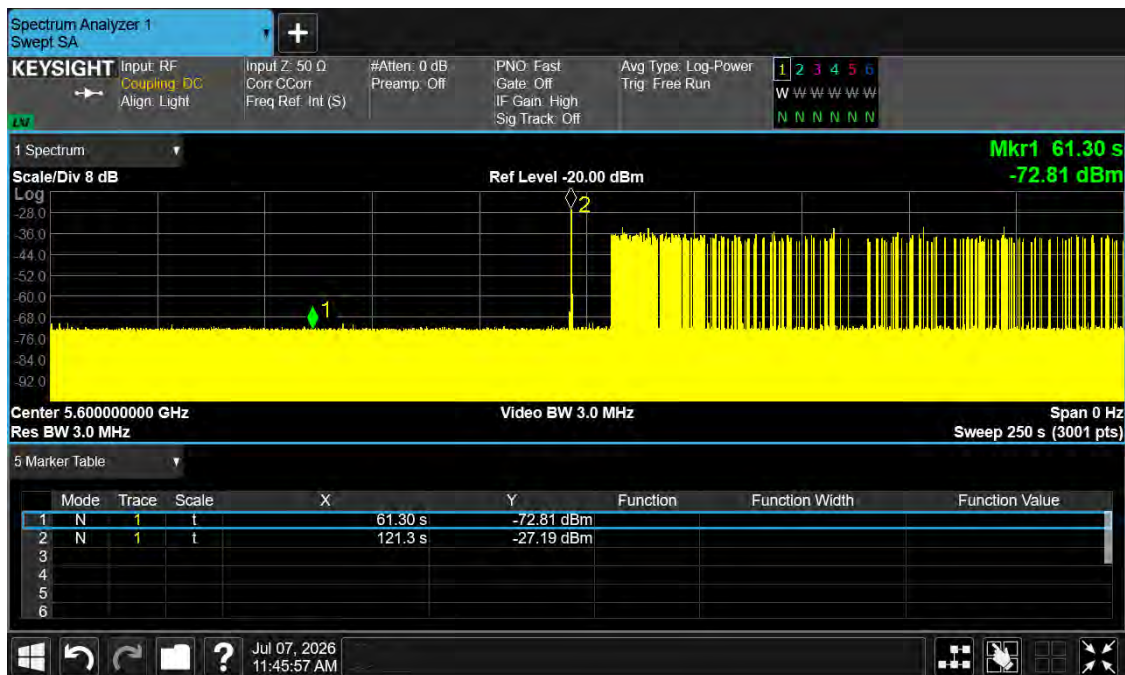
5.7.1 Channel Availability Check (CAC)

The EUT shall perform a CAC to ensure that there is no radar operating on the channel. After the power-up sequence, at-least 1 minute shall be monitored on the intended operating frequency. For initial CAC, the EUT does not emit beacon, control, or data signals on the test channel until the power-up sequence has been completed and the UNII device checks for radar waveforms for one minute on the test channel. This test does not use any radar waveforms. The markers in the associated plots indicate initial beacons.

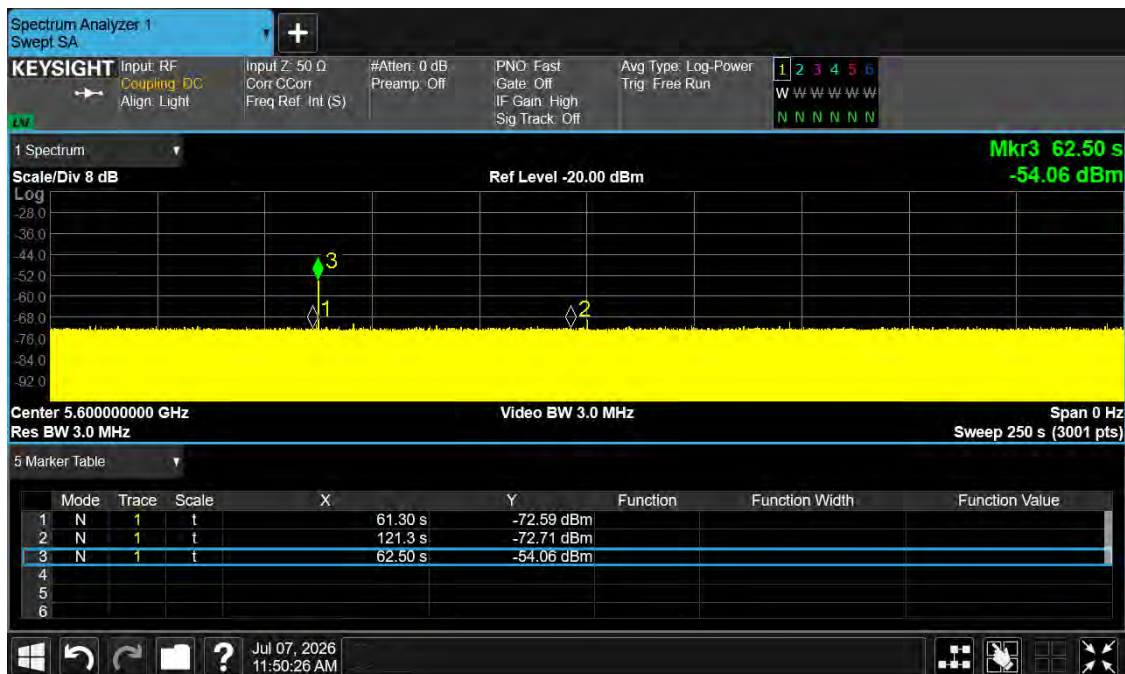
For radar burst at the beginning of the CAC. To verify successful radar detection on the selected channel during a period equal to the beginning of the CAC time, visual indication on the EUT of successful detection of the radar burst will be recorded and reported. Observation of the radar burst is show on the associated plot to be within the beginning of the CAC time. Emissions will continue to be monitored for the remaining 300 seconds.

For radar burst at the end of the CAC. To verify successful radar detection on the selected channel during a period equal to the end of the CAC time, visual indication on the EUT of successful detection of the radar burst will be recorded and reported. Observation of the radar burst is show on the associated plot to be within the end of the CAC time. Emissions will continue to be monitored for the remaining 300 seconds.

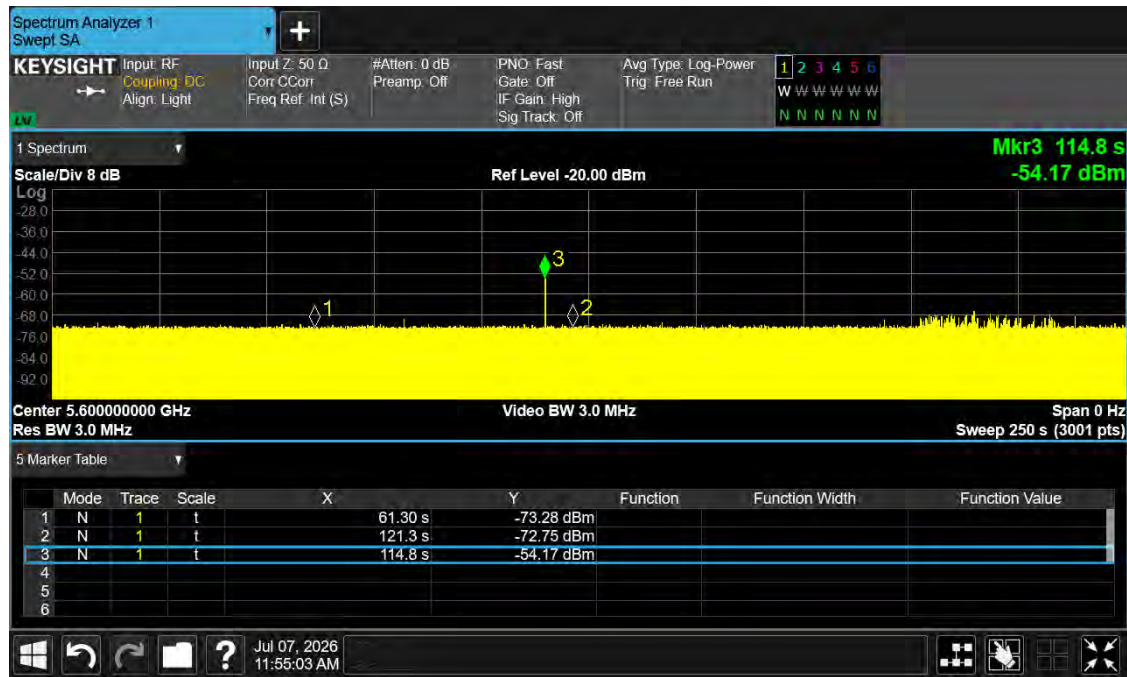
A spectrum analyzer is used as a monitor to verify that the EUT has vacated the channel within the channel closing transmission time and channel move time, and does not transmit on a channel during the non-occupancy period after the detection and channel move.



Plot 8: DUT Turn On



Plot 9: Beginning



Plot 10: End

5.7.2 In-service Monitoring

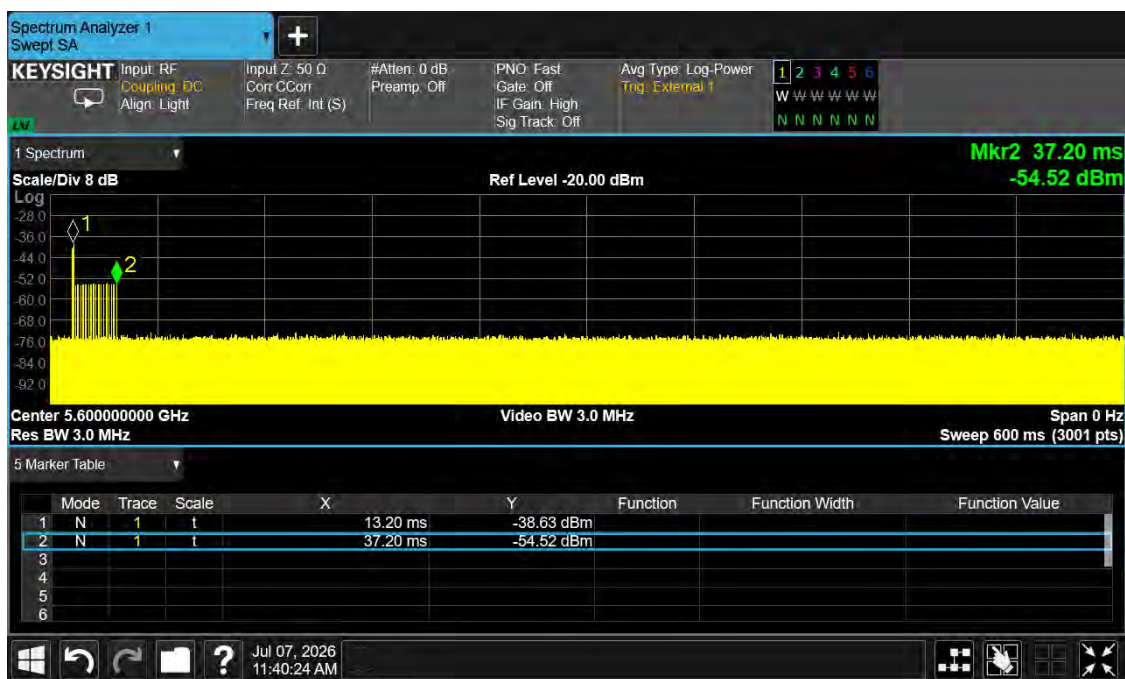
Channel Move Time	10 seconds
Channel Closing Transmission Time	200 ms + aggregate of 60 ms over remaining 10 second period
Non-occupancy period	Minimum 30 minutes

Verified during in-service monitoring: channel closing transmission time and channel move time. The transmissions were observed at the end of the radar burst on the operating channel for a duration of greater than 10 seconds. The transmissions were measured and recorded during the observation time. This was compared to the channel move time and channel closing time limits. One 12 second plot is reported for the short pulse radar type 0. A 60 ms plot is also provided to verify closing time for the aggregate transmission time starting from 200 ms after the end of the radar signal to the completion of the channel move.

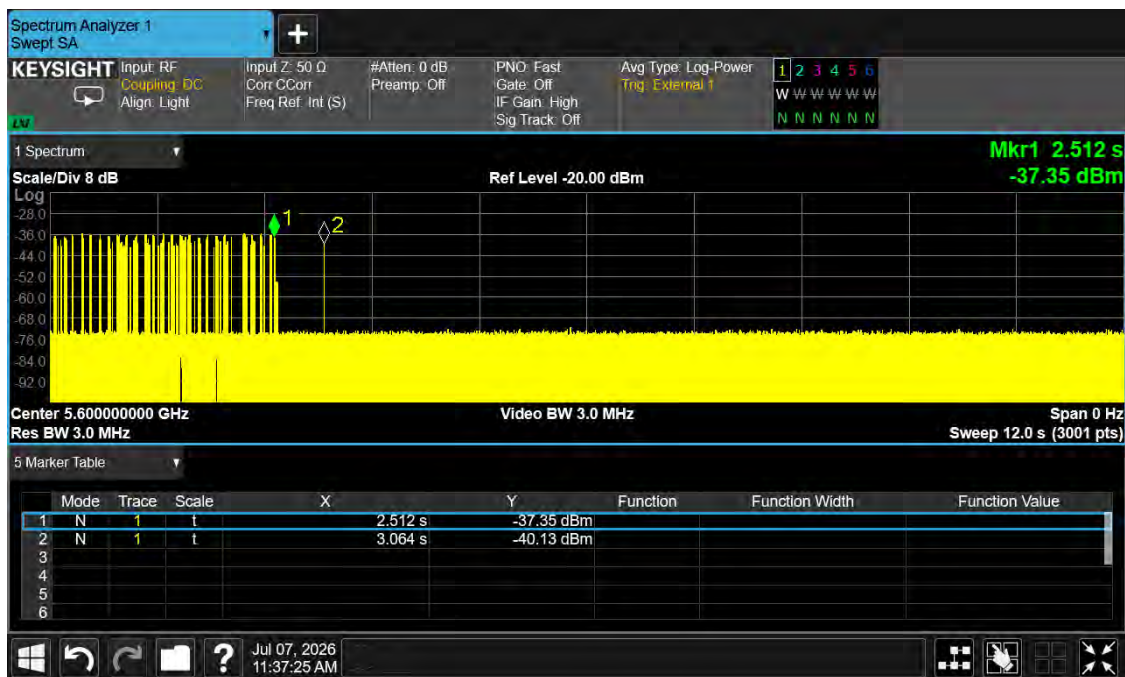
During the 30 minutes observation time, the EUT did not make any transmissions on a channel after a radar signal was detected.

Please see plots below.

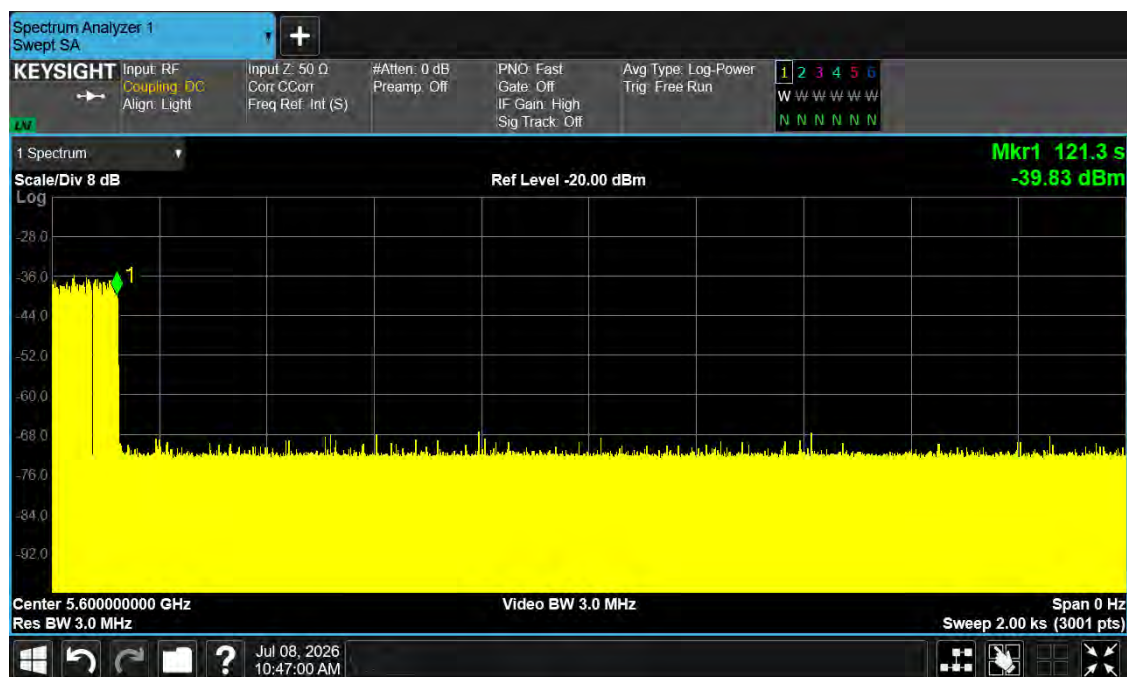
A spectrum analyzer is used as a monitor to verify that the EUT has vacated the channel within the channel closing transmission time and channel move time, and does not transmit on a channel during the non-occupancy period after the detection and channel move.



Plot 11: Channel Close



Plot 12: Channel Move



Plot 13: Non-Occupancy

5.7.3 DFS Detection Bandwidth

20 MHz

EUT Frequency = 5600 MHz ; Bandwidth = 20 MHz												
Radar Frequency MHz	DFS Detection Trials (1 = Detection, 0 = No Detection)										Detection Rate %	
	Trials											
	1	2	3	4	5	6	7	8	9	10		
F_Low 5590	1	1	1	1	1	1	1	1	1	1	100	
5595	1	1	1	1	1	1	1	1	1	1	100	
5600	1	1	1	1	1	1	1	1	1	1	100	
5605	1	1	1	1	1	1	1	1	1	1	100	
F_High 5610	1	1	1	1	1	1	1	1	1	1	100	
Total Detection Percentage											100	
Detection Bandwidth = FH-FL = 5590 MHz - 5610 MHz = 20 MHz												
99% Bandwidth = 19.8 MHz												

40 MHz

EUT Frequency = 5590 MHz ; Bandwidth = 40 MHz											
Radar Frequency MHz	DFS Detection Trials (1 = Detection, 0 = No Detection)										Detection Rate %
	Trials										
	1	2	3	4	5	6	7	8	9	10	
F_Low 5570	1	1	1	1	1	1	1	1	1	1	100
5580	1	1	1	1	1	1	1	1	1	1	100
5590	1	1	1	1	1	1	1	1	1	1	100
5600	1	1	1	1	1	1	1	1	1	1	100
F_High 5610	1	1	1	1	1	1	1	1	1	1	100
Total Detection Percentage											100
Detection Bandwidth = FH-FL = 5570 MHz - 5610 MHz = 40 MHz											
99% Bandwidth = 39.6 MHz											

80 MHz

EUT Frequency = 5610 MHz ; Bandwidth = 80 MHz											
Radar Frequency MHz	DFS Detection Trials (1 = Detection, 0 = No Detection)										Detection Rate %
	Trials										
	1	2	3	4	5	6	7	8	9	10	
F_Low 5570	1	1	1	1	1	1	1	1	1	1	100
5590	1	1	1	1	1	1	1	1	1	1	100
5610	1	1	1	1	1	1	1	1	1	1	100
5630	1	1	1	1	1	1	1	1	1	1	100
F_High 5650	1	1	1	1	1	1	1	1	1	1	100
Total Detection Percentage											100
Detection Bandwidth = FH-FL = 5570 MHz - 5650 MHz = 80 MHz											
99% Bandwidth = 79.2 MHz											

160 MHz

EUT Frequency = 5570 MHz ; Bandwidth = 160 MHz												
Radar Frequency MHz	DFS Detection Trials (1 = Detection, 0 = No Detection)										Detection Rate %	
	Trials											
	1	2	3	4	5	6	7	8	9	10		
F_Low 5490	1	1	1	1	1	1	1	1	1	1	100	
5510	1	1	1	1	1	1	1	1	1	1	100	
5530	1	1	1	1	1	1	1	1	1	1	100	
5550	1	1	1	1	1	1	1	1	1	1	100	
5570	1	1	1	1	1	1	1	1	1	1	100	
5590	1	1	1	1	1	1	1	1	1	1	100	
5610	1	1	1	1	1	1	1	1	1	1	100	
5630	1	1	1	1	1	1	1	1	1	1	100	
F_High 5650	1	1	1	1	1	1	1	1	1	1	100	
Total Detection Percentage											100	
Detection Bandwidth = FH-FL = 5490 MHz - 5650 MHz = 160 MHz												
99% Bandwidth = 158.4 MHz												

5.7.4 Detection Probability

For statistical performance check. Demonstrating a minimum channel loading of approximately 17% or greater of the test. Observe the transmissions of the EUT at the end of the burst on the operating channel for duration greater than 10 seconds for short pulse radar type 1-4 and 6 to ensure detection occurs. Then observe the transmissions of the EUT at the end of the burst on the operating channel for duration greater than 22 seconds for long pulse radar type 5 to ensure detection occurs. The device can utilize a test mode to demonstrate when detection occurs to prevent the need to reset the device between trial runs.

Please see data below.

Radar Type	Min successful detection (%)	Minimum Trials
1	60	30
2	60	30
3	60	30
4	60	30
Types 1 - 4	80	120
5	80	30
6	70	30

20 MHz**Summary**

Type	Detections	Trials	Detection Probability
Type 1	28	30	93%
Type 2	25	30	83%
Type 3	24	30	80%
Type 4	25	30	83%
Type 5	30	30	100%
Type 6	30	30	100%
Aggregate 1-4	102	120	85%

RADAR TYPE 1				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (μ sec)	PRI (μ s)	Detection (yes/no)
1	98	1	538	y
2	62	1	858	y
3	92	1	578	y
4	72	1	738	y
5	61	1	878	y
6	57	1	938	y
7	89	1	598	y
8	70	1	758	y
9	67	1	798	y
10	95	1	558	y
11	81	1	658	y
12	83	1	638	y
13	86	1	618	y
14	74	1	718	y
15	63	1	838	y
16	34	1	1577	y
17	23	1	2359	y
18	22	1	2499	y
19	45	1	1173	y
20	55	1	959	y
21	29	1	1843	n
22	96	1	552	y
23	60	1	879	y
24	32	1	1696	n
25	23	1	2326	y
26	39	1	1358	y
27	45	1	1178	y
28	21	1	2532	y
29	34	1	1574	y
30	40	1	1327	y
				28/30: 93.3%

RADAR TYPE 2				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (μ sec)	PRI (μ s)	Detection (yes/no)
1	24	1.3	177	y
2	25	2.2	206	y
3	27	4.3	176	y
4	27	3.4	160	y
5	26	3.2	171	y
6	25	1.6	173	n
7	26	1.2	162	y
8	25	2.3	212	y
9	23	2.4	173	y
10	27	3.6	160	y
11	26	4.6	204	n
12	25	1.5	162	y
13	26	1.3	188	n
14	28	4.2	178	y
15	26	4.1	216	y
16	25	4.2	210	y
17	28	1.7	205	y
18	29	4.2	150	n
19	28	2.6	152	y
20	24	3.5	167	y
21	24	4.9	213	y
22	24	1.3	230	y
23	23	3.2	166	y
24	23	4	210	y
25	25	2.9	195	y
26	27	1	211	y
27	25	4.8	211	n
28	28	3.2	210	y
29	27	3.1	150	y
30	26	2.6	162	y
				25/30: 83.3%

RADAR TYPE 3				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (μ sec)	PRI (μ s)	Detection (yes/no)
1	17	6	452	y
2	18	6.4	256	y
3	17	8.1	452	n
4	18	10	220	n
5	18	8	456	y
6	17	8.8	353	y
7	18	8.7	439	n
8	17	7.8	430	y
9	18	9.3	430	y
10	16	7	202	y
11	17	6.2	360	y
12	17	8.7	259	y
13	17	9.9	241	y
14	16	7.6	352	y
15	16	9.6	265	y
16	18	10	456	y
17	17	6.8	264	n
18	16	8.8	496	n
19	18	8.7	395	y
20	16	8.4	293	y
21	16	8.8	416	y
22	17	6.6	281	y
23	17	10	233	y
24	16	9.4	282	y
25	18	7.7	472	y
26	17	7.9	356	n
27	17	7.5	302	y
28	17	9	321	y
29	17	8.9	318	y
30	17	9.7	243	y
				24/30: 80%

RADAR TYPE 4				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (μ sec)	PRI (μ s)	Detection (yes/no)
1	12	16.8	496	n
2	14	13.7	316	y
3	13	14.8	379	y
4	12	12.5	262	y
5	15	12.9	377	y
6	13	19.5	391	y
7	14	18.3	428	y
8	14	13.6	387	n
9	12	13	219	y
10	15	12.9	448	y
11	15	13.8	407	y
12	14	17.8	289	y
13	13	15	233	y
14	12	16.5	329	n
15	13	17.4	299	y
16	16	11.9	334	n
17	14	17.7	467	y
18	13	15.7	483	y
19	15	16.2	203	y
20	12	17.1	212	y
21	14	17.3	364	y
22	16	14.4	422	y
23	14	14.7	364	y
24	13	15.1	215	y
25	15	19.7	425	y
26	14	11.4	373	y
27	12	17.2	430	y
28	14	14.4	282	y
29	13	14.4	460	n
30	16	14.9	307	y
				25/30: 83.3%

TYPE 5		Rohde & Schwarz K350 Pulse Sequencer DFS		
Trial #	Detection (yes/no)	Chirp Width (MHz)	Subset	Fc
1	y	9	1	5600
2	y	13	1	5600
3	y	6	1	5600
4	y	18	1	5600
5	y	19	1	5600
6	y	20	1	5600
7	y	17	1	5600
8	y	11	1	5600
9	y	13	1	5600
10	y	6	1	5600
11	y	14	2	5595.6
12	y	18	2	5597.2
13	y	6	2	5592.4
14	y	18	2	5597.2
15	y	19	2	5597.6
16	y	18	2	5597.2
17	y	16	2	5596.4
18	y	19	2	5597.6
19	y	10	2	5594
20	y	16	2	5596.4
21	y	10	3	5606
22	y	14	3	5604.4
23	y	18	3	5602.8
24	y	9	3	5606.4
25	y	18	3	5602.8
26	y	18	3	5602.8
27	y	9	3	5606.4
28	y	17	3	5603.2
29	y	5	3	5608
30	y	12	3	5605.2
30/30: 100%				

[Parameter Sheet](#)
[Parameter Sheet](#)
[Parameter Sheet](#)
[Parameter Sheet](#)
[Parameter Sheet](#)
[Parameter Sheet](#)
[Parameter Sheet](#)
[Parameter Sheet](#)
[Parameter Sheet](#)
[Parameter Sheet](#)
[Parameter Sheet](#)
[Parameter Sheet](#)
[Parameter Sheet](#)
[Parameter Sheet](#)
[Parameter Sheet](#)
[Parameter Sheet](#)
[Parameter Sheet](#)
[Parameter Sheet](#)
[Parameter Sheet](#)
[Parameter Sheet](#)
[Parameter Sheet](#)
[Parameter Sheet](#)
[Parameter Sheet](#)
[Parameter Sheet](#)
[Parameter Sheet](#)
[Parameter Sheet](#)
[Parameter Sheet](#)
[Parameter Sheet](#)
[Parameter Sheet](#)

TYPE 6 S		Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Detection (yes/no)	
1	y	Parameter Sheet
2	y	Parameter Sheet
3	y	Parameter Sheet
4	y	Parameter Sheet
5	y	Parameter Sheet
6	y	Parameter Sheet
7	y	Parameter Sheet
8	y	Parameter Sheet
9	y	Parameter Sheet
10	y	Parameter Sheet
11	y	Parameter Sheet
12	y	Parameter Sheet
13	y	Parameter Sheet
14	y	Parameter Sheet
15	n	Parameter Sheet
16	y	Parameter Sheet
17	y	Parameter Sheet
18	y	Parameter Sheet
19	y	Parameter Sheet
20	y	Parameter Sheet
21	y	Parameter Sheet
22	y	Parameter Sheet
23	y	Parameter Sheet
24	y	Parameter Sheet
25	y	Parameter Sheet
26	y	Parameter Sheet
27	y	Parameter Sheet
28	y	Parameter Sheet
29	n	Parameter Sheet
30	y	Parameter Sheet
28/30: 93.3%		

40 MHz**Summary**

Type	Detections	Trials	Detection Probability
Type 1	29	30	97%
Type 2	21	30	70%
Type 3	20	30	67%
Type 4	27	30	90%
Type 5	29	30	97%
Type 6	30	30	100%
Aggregate 1-4	97	120	81%

RADAR TYPE 1				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (μ sec)	PRI (μ s)	Detection (yes/no)
1	34	1	1579	y
2	48	1	1113	y
3	71	1	746	y
4	19	1	2857	y
5	28	1	1942	y
6	81	1	652	y
7	19	1	2885	y
8	23	1	2336	y
9	43	1	1242	y
10	21	1	2594	y
11	20	1	2713	y
12	25	1	2162	y
13	28	1	1914	y
14	19	1	2899	y
15	32	1	1685	y
16	22	1	2412	y
17	29	1	1831	y
18	80	1	667	y
19	24	1	2273	y
20	22	1	2440	y
21	37	1	1436	y
22	72	1	742	y
23	73	1	727	y
24	25	1	2123	y
25	66	1	801	y
26	20	1	2675	y
27	25	1	2171	y
28	19	1	2910	y
29	21	1	2530	n
30	50	1	1054	y
				29/30: 96.7%

RADAR TYPE 2				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (μ sec)	PRI (μ s)	Detection (yes/no)
1	27	2.4	217	y
2	27	2.4	153	y
3	25	4.7	169	y
4	24	4.8	211	y
5	25	4.3	187	n
6	26	3.2	160	y
7	29	4.8	206	n
8	23	4.1	172	y
9	23	1.6	189	n
10	27	2.6	190	y
11	28	2	206	y
12	26	4.2	182	y
13	25	4.3	159	n
14	28	2.8	197	y
15	29	1.8	197	y
16	29	1.7	205	y
17	26	1.3	208	n
18	24	2.4	209	y
19	27	2.8	225	y
20	27	3.6	230	y
21	29	4.9	211	y
22	29	3.2	161	y
23	24	2.1	185	n
24	27	3.8	207	y
25	27	1	203	y
26	27	1.8	196	y
27	23	2.8	219	y
28	27	2.8	195	y
29	24	1.1	182	n
30	28	1.2	154	y
				23/30: 76.7%

RADAR TYPE 3				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (μ sec)	PRI (μ s)	Detection (yes/no)
1	17	9.8	205	y
2	16	7.6	400	y
3	18	9.5	400	y
4	17	7.8	418	n
5	17	7.9	300	n
6	18	6.3	452	y
7	16	7.1	471	y
8	18	8.4	460	y
9	17	6.3	394	n
10	16	7.3	435	y
11	17	6.5	284	y
12	18	7.1	396	y
13	17	7.9	232	n
14	18	6.9	256	y
15	17	8.2	368	y
16	18	6.4	212	y
17	16	8.2	483	n
18	16	8.2	240	y
19	16	10	290	y
20	17	7.7	325	n
21	16	7	285	n
22	18	8.2	234	n
23	17	9.4	296	y
24	16	6.4	483	y
25	17	9	431	y
26	16	8.9	369	n
27	16	6.5	488	y
28	16	8.6	210	y
29	18	7.1	342	y
30	17	7.9	260	n
				20/30: 66.7%

RADAR TYPE 4				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (μ sec)	PRI (μ s)	Detection (yes/no)
1	14	18.4	389	y
2	13	16.5	432	y
3	13	11.9	259	n
4	16	12.5	380	y
5	15	13.7	430	y
6	12	15.6	208	y
7	12	14.6	377	y
8	14	14.4	226	y
9	13	13.4	311	y
10	15	16.3	218	y
11	12	12.3	397	y
12	13	14	240	y
13	13	15.2	412	n
14	13	11.7	242	n
15	15	12	250	y
16	13	15	429	y
17	16	19.6	202	y
18	15	15.5	244	y
19	12	13.8	445	y
20	13	15.5	364	y
21	14	16.3	421	y
22	12	17	358	y
23	16	15.3	353	y
24	16	13.7	226	y
25	13	12.4	250	y
26	14	16.8	235	y
27	13	14.2	307	y
28	14	16.9	286	y
29	14	17.1	382	y
30	16	19	440	y
				27/30: 90%

TYPE 5		Rohde & Schwarz K350 Pulse Sequencer DFS			
Trial #	Detection (yes/no)	Chirp Width (MHz)	Subset	Fc	
1	y	14	1	5500	Parameter Sheet
2	y	14	1	5500	Parameter Sheet
3	y	11	1	5500	Parameter Sheet
4	y	15	1	5500	Parameter Sheet
5	y	16	1	5500	Parameter Sheet
6	y	12	1	5500	Parameter Sheet
7	y	13	1	5500	Parameter Sheet
8	y	18	1	5500	Parameter Sheet
9	y	10	1	5500	Parameter Sheet
10	y	17	1	5500	Parameter Sheet
11	y	14	2	5496.6	Parameter Sheet
12	y	19	2	5498.6	Parameter Sheet
13	y	13	2	5496.2	Parameter Sheet
14	y	18	2	5498.2	Parameter Sheet
15	y	12	2	5495.8	Parameter Sheet
16	y	16	2	5497.4	Parameter Sheet
17	y	10	2	5495	Parameter Sheet
18	y	16	2	5497.4	Parameter Sheet
19	y	16	2	5497.4	Parameter Sheet
20	y	17	2	5497.8	Parameter Sheet
21	n	9	3	5505.4	Parameter Sheet
22	y	13	3	5503.8	Parameter Sheet
23	y	17	3	5502.2	Parameter Sheet
24	y	8	3	5505.8	Parameter Sheet
25	y	8	3	5505.8	Parameter Sheet
26	y	14	3	5503.4	Parameter Sheet
27	y	9	3	5505.4	Parameter Sheet
28	y	16	3	5502.6	Parameter Sheet
29	y	14	3	5503.4	Parameter Sheet
30	y	11	3	5504.6	Parameter Sheet
29/30: 96.7%					

TYPE 6 S		Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Detection (yes/no)	
1	y	Parameter Sheet
2	y	Parameter Sheet
3	y	Parameter Sheet
4	y	Parameter Sheet
5	y	Parameter Sheet
6	y	Parameter Sheet
7	y	Parameter Sheet
8	y	Parameter Sheet
9	y	Parameter Sheet
10	y	Parameter Sheet
11	y	Parameter Sheet
12	y	Parameter Sheet
13	y	Parameter Sheet
14	y	Parameter Sheet
15	y	Parameter Sheet
16	y	Parameter Sheet
17	y	Parameter Sheet
18	y	Parameter Sheet
19	y	Parameter Sheet
20	y	Parameter Sheet
21	y	Parameter Sheet
22	y	Parameter Sheet
23	y	Parameter Sheet
24	y	Parameter Sheet
25	y	Parameter Sheet
26	y	Parameter Sheet
27	y	Parameter Sheet
28	y	Parameter Sheet
29	y	Parameter Sheet
30	y	Parameter Sheet
30/30: 100%		

80 MHz**Summary**

Type	Detections	Trials	Detection Probability
Type 1	23	30	77%
Type 2	27	30	90%
Type 3	25	30	83%
Type 4	23	30	77%
Type 5	30	30	100%
Type 6	30	30	100%
Aggregate 1-4	98	120	82%

RADAR TYPE 1				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (μ sec)	PRI (μ s)	Detection (yes/no)
1	24	1	2233	y
2	19	1	2841	n
3	18	1	3003	y
4	35	1	1536	y
5	25	1	2145	n
6	97	1	545	y
7	20	1	2671	y
8	45	1	1182	y
9	24	1	2287	y
10	18	1	2957	y
11	47	1	1141	y
12	45	1	1175	y
13	18	1	3060	y
14	29	1	1857	n
15	82	1	643	y
16	29	1	1861	n
17	35	1	1523	n
18	32	1	1691	y
19	82	1	647	y
20	22	1	2438	y
21	19	1	2914	n
22	30	1	1761	y
23	70	1	756	y
24	28	1	1923	y
25	24	1	2257	y
26	19	1	2924	y
27	48	1	1114	y
28	66	1	800	y
29	24	1	2245	n
30	33	1	1631	y
				23/30: 76.7%

RADAR TYPE 2				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (µsec)	PRI (µs)	Detection (yes/no)
1	28	4.7	155	y
2	26	2.3	200	y
3	24	1.6	192	y
4	26	4.9	193	y
5	26	2.6	169	y
6	26	1.3	155	y
7	27	3.4	199	y
8	27	4.5	210	y
9	28	4.9	197	y
10	23	4.2	191	y
11	23	2.6	172	y
12	23	3.6	176	y
13	26	1.3	218	y
14	27	4.3	187	y
15	27	1.5	225	y
16	28	2.9	204	y
17	27	4.2	226	y
18	29	2.7	162	y
19	29	3.6	224	y
20	23	2.2	222	y
21	29	4.4	188	n
22	23	1.6	179	y
23	27	4.7	228	y
24	28	2.9	166	y
25	28	1.4	173	y
26	29	2.4	174	n
27	23	1.8	168	y
28	26	4.8	222	n
29	28	1.4	208	y
30	23	1.1	209	y
				27/30: 90%

RADAR TYPE 3				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (μ sec)	PRI (μ s)	Detection (yes/no)
1	17	8.1	303	y
2	16	9.2	341	y
3	18	9.1	208	y
4	17	7.3	276	y
5	16	7.8	225	y
6	18	9.5	493	y
7	16	6.5	433	n
8	17	9.9	437	y
9	18	7.7	306	y
10	17	8.6	236	y
11	17	8.1	327	y
12	17	8.7	308	y
13	17	7.4	437	y
14	17	7.1	432	n
15	17	7.7	490	n
16	16	6.9	351	y
17	16	9.2	208	y
18	17	7.8	330	y
19	16	8.8	299	y
20	18	6.7	266	n
21	17	9.4	409	y
22	17	7.3	278	y
23	18	9.2	399	y
24	16	9.6	273	n
25	18	10	260	y
26	17	9.5	240	y
27	17	7.6	402	y
28	17	6.8	290	y
29	16	8.4	432	y
30	17	9.5	267	y
				25/30: 83.3%

RADAR TYPE 4				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (μ sec)	PRI (μ s)	Detection (yes/no)
1	12	11.3	364	y
2	16	17.5	286	y
3	15	13.6	357	y
4	14	15.8	286	n
5	14	14.1	403	n
6	15	14.6	455	n
7	14	13.2	486	y
8	13	14.8	397	y
9	15	16.9	452	y
10	14	11.5	267	n
11	13	14.5	480	y
12	16	18.9	400	y
13	15	14.4	472	y
14	16	17.1	238	y
15	15	14.1	274	y
16	16	15.6	330	y
17	14	18.3	443	y
18	16	13	409	y
19	13	12.8	335	y
20	15	11.8	324	n
21	16	16.6	384	y
22	13	17.8	481	y
23	12	20	336	y
24	14	16.3	394	y
25	15	18.9	393	y
26	12	18.8	422	y
27	14	18	403	n
28	15	12.4	406	y
29	15	11.8	330	y
30	13	14.8	333	n
				23/30: 76.7%

TYPE 5		Rohde & Schwarz K350 Pulse Sequencer DFS			
Trial #	Detection (yes/no)	Chirp Width (MHz)	Subset	Fc	
1	y	9	1	5610	Parameter Sheet
2	y	8	1	5610	Parameter Sheet
3	y	9	1	5610	Parameter Sheet
4	y	19	1	5610	Parameter Sheet
5	y	19	1	5610	Parameter Sheet
6	y	17	1	5610	Parameter Sheet
7	y	7	1	5610	Parameter Sheet
8	y	6	1	5610	Parameter Sheet
9	y	17	1	5610	Parameter Sheet
10	y	16	1	5610	Parameter Sheet
11	y	18	2	5577.2	Parameter Sheet
12	y	12	2	5574.8	Parameter Sheet
13	y	14	2	5575.6	Parameter Sheet
14	y	7	2	5572.8	Parameter Sheet
15	y	19	2	5577.6	Parameter Sheet
16	y	6	2	5572.4	Parameter Sheet
17	y	5	2	5572	Parameter Sheet
18	y	8	2	5573.2	Parameter Sheet
19	y	20	2	5578	Parameter Sheet
20	y	10	2	5574	Parameter Sheet
21	y	5	3	5648	Parameter Sheet
22	y	7	3	5647.2	Parameter Sheet
23	y	12	3	5645.2	Parameter Sheet
24	y	17	3	5643.2	Parameter Sheet
25	y	18	3	5642.8	Parameter Sheet
26	y	20	3	5642	Parameter Sheet
27	y	7	3	5647.2	Parameter Sheet
28	y	17	3	5643.2	Parameter Sheet
29	y	11	3	5645.6	Parameter Sheet
30	y	15	3	5644	Parameter Sheet
30/30: 100%					

TYPE 6 S		Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Detection (yes/no)	
1	y	Parameter Sheet
2	y	Parameter Sheet
3	y	Parameter Sheet
4	y	Parameter Sheet
5	y	Parameter Sheet
6	y	Parameter Sheet
7	y	Parameter Sheet
8	y	Parameter Sheet
9	y	Parameter Sheet
10	y	Parameter Sheet
11	y	Parameter Sheet
12	y	Parameter Sheet
13	y	Parameter Sheet
14	y	Parameter Sheet
15	y	Parameter Sheet
16	y	Parameter Sheet
17	y	Parameter Sheet
18	y	Parameter Sheet
19	y	Parameter Sheet
20	y	Parameter Sheet
21	y	Parameter Sheet
22	y	Parameter Sheet
23	y	Parameter Sheet
24	y	Parameter Sheet
25	y	Parameter Sheet
26	y	Parameter Sheet
27	y	Parameter Sheet
28	y	Parameter Sheet
29	y	Parameter Sheet
30	y	Parameter Sheet
30/30: 100%		

160 MHz

Summary

Type	Detections	Trials	Detection Probability
Type 1	26	30	87%
Type 2	24	30	80%
Type 3	21	30	70%
Type 4	25	30	83%
Type 5	30	30	100%
Type 6	30	30	100%
Aggregate 1-4	96	120	80%

RADAR TYPE 1				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (μ sec)	PRI (μ s)	Detection (yes/no)
1	58	1	916	y
2	58	1	909	y
3	85	1	620	y
4	60	1	882	y
5	23	1	2319	y
6	18	1	2930	y
7	84	1	631	y
8	73	1	725	y
9	30	1	1792	y
10	56	1	948	y
11	19	1	2883	y
12	37	1	1449	n
13	78	1	677	y
14	19	1	2880	y
15	43	1	1254	y
16	23	1	2317	y
17	55	1	960	y
18	46	1	1164	y
19	20	1	2762	y
20	80	1	661	y
21	26	1	2091	y
22	48	1	1109	y
23	69	1	766	y
24	25	1	2190	y
25	96	1	553	y
26	24	1	2248	y
27	76	1	701	y
28	22	1	2482	n
29	32	1	1683	n
30	58	1	912	n
				26/30: 86.7%

RADAR TYPE 2				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (μ sec)	PRI (μ s)	Detection (yes/no)
1	29	4.4	186	y
2	26	3.3	213	y
3	28	1.4	178	y
4	29	4.5	172	y
5	25	3.7	157	y
6	23	3.7	221	y
7	26	1.6	216	n
8	25	2.5	227	n
9	28	1.6	169	y
10	27	1.9	226	y
11	27	3.2	179	y
12	27	1.4	209	y
13	25	2.5	158	n
14	29	2.3	185	y
15	26	1.8	166	n
16	28	2.3	198	y
17	25	1.4	207	y
18	24	4	197	n
19	25	2.9	167	y
20	27	4.3	167	y
21	26	4.2	207	y
22	26	1.3	206	y
23	25	4.3	221	y
24	25	2.8	191	y
25	25	2.6	204	y
26	28	3.9	196	n
27	23	4.5	170	y
28	27	3.7	211	y
29	24	3	184	y
30	28	1.9	164	y
				24/30: 80%

RADAR TYPE 3				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (μ sec)	PRI (μ s)	Detection (yes/no)
1	17	6.4	391	y
2	17	9.4	271	y
3	16	6.1	269	n
4	18	9.1	211	y
5	16	7.5	256	n
6	18	7.8	271	y
7	17	8.3	220	n
8	16	9.7	205	y
9	17	8.9	380	y
10	17	8	404	y
11	17	6.9	379	y
12	16	6.7	268	y
13	18	7.6	302	y
14	18	6.9	278	n
15	17	6.7	406	y
16	17	7.8	278	y
17	17	6.8	432	y
18	17	6.7	302	n
19	16	9.8	316	y
20	18	7.3	482	y
21	18	9.3	231	y
22	18	7.4	371	n
23	18	6.1	396	y
24	17	8.9	335	y
25	17	6.9	381	n
26	17	7.2	303	y
27	18	8.6	447	y
28	16	6.9	370	n
29	18	9.7	411	y
30	17	9.1	456	n
				21/30: 70%

RADAR TYPE 4				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (μ sec)	PRI (μ s)	Detection (yes/no)
1	13	18	214	y
2	13	15	444	y
3	13	17.6	310	y
4	14	19.2	416	y
5	13	12.3	243	y
6	14	18.6	394	n
7	14	16.2	399	y
8	13	15.8	215	y
9	15	17.3	261	y
10	13	19.3	405	y
11	16	17.3	392	y
12	13	15.3	217	y
13	15	15.3	478	y
14	13	19.8	393	n
15	14	11	307	y
16	14	15.6	236	n
17	16	15.3	289	y
18	14	14.8	328	y
19	13	16.3	273	y
20	15	13.3	365	y
21	12	11.2	307	y
22	13	17.6	356	y
23	13	11.3	476	n
24	14	16.2	396	y
25	13	11.5	235	y
26	15	19.4	443	y
27	14	17	251	y
28	13	19.6	352	n
29	12	14.5	405	y
30	13	18.4	446	y
				25/30: 83.3%

TYPE 5		Rohde & Schwarz K350 Pulse Sequencer DFS			
Trial #	Detection (yes/no)	Chirp Width (MHz)	Subset	Fc	
1	y	15	1	5570	
2	y	19	1	5570	
3	y	14	1	5570	
4	y	10	1	5570	
5	y	12	1	5570	
6	y	19	1	5570	
7	y	10	1	5570	
8	y	17	1	5570	
9	y	12	1	5570	
10	y	11	1	5570	
11	y	17	2	5416.8	
12	y	15	2	5416	
13	y	6	2	5412.4	
14	y	6	2	5412.4	
15	y	11	2	5414.4	
16	y	15	2	5416	
17	y	20	2	5418	
18	y	6	2	5412.4	
19	y	5	2	5412	
20	y	8	2	5413.2	
21	y	8	3	5646.8	
22	y	14	3	5644.4	
23	y	8	3	5646.8	
24	y	16	3	5643.6	
25	y	5	3	5648	
26	y	17	3	5643.2	
27	y	5	3	5648	
28	y	15	3	5644	
29	y	9	3	5646.4	
30	y	5	3	5648	
	30/30: 100%				

TYPE 6 S		Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Detection (yes/no)	
1	y	Parameter Sheet
2	y	Parameter Sheet
3	y	Parameter Sheet
4	y	Parameter Sheet
5	y	Parameter Sheet
6	y	Parameter Sheet
7	y	Parameter Sheet
8	y	Parameter Sheet
9	y	Parameter Sheet
10	y	Parameter Sheet
11	y	Parameter Sheet
12	y	Parameter Sheet
13	y	Parameter Sheet
14	y	Parameter Sheet
15	y	Parameter Sheet
16	y	Parameter Sheet
17	y	Parameter Sheet
18	y	Parameter Sheet
19	y	Parameter Sheet
20	y	Parameter Sheet
21	y	Parameter Sheet
22	y	Parameter Sheet
23	y	Parameter Sheet
24	y	Parameter Sheet
25	y	Parameter Sheet
26	y	Parameter Sheet
27	y	Parameter Sheet
28	y	Parameter Sheet
29	y	Parameter Sheet
30	y	Parameter Sheet
30/30: 100%		

-- End of Test Report --