FCC RADIO TEST REPORT

FCC ID	:	S9GT350D
Equipment	:	Access point
Brand Name	:	RUCKUS
Model Name	:	T350d
Applicant	:	Ruckus Wireless Inc. 350 W. Java Dr., Sunnyvale CA 94089 USA
Manufacturer	:	Ruckus Wireless Inc. 350 W. Java Dr., Sunnyvale CA 94089 USA
Standard	:	47 CFR FCC Part 15.247

The product was received on Dec. 28, 2020, and testing was started from Dec. 30, 2020 and completed on Jan. 28, 2021. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Approved by: Sam Chen

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issued Date
FR091815AA	01	Initial issue of report	Feb. 26, 2021

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.247(a)	DTS Bandwidth	PASS	-
3.3	15.247(b)	Maximum Conducted Output Power	PASS	-
3.4	15.247(e)	Power Spectral Density	PASS	-
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.6	15.247(d)	Emissions in Restricted Frequency Bands	PASS	-

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Sam Chen
Report Producer: Sandy Chuang

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
2400-2483.5	b, g, n (HT20), VHT20, ax (HEW20)	2412-2462	1-11 [11]
2400-2483.5	n (HT40), VHT40, ax (HEW40)	2422-2452	3-9 [7]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	2TX
2.4-2.4835GHz	802.11g	20	2TX
2.4-2.4835GHz	802.11n HT20	20	2TX
2.4-2.4835GHz	VHT20	20	2TX
2.4-2.4835GHz	802.11ax HEW20	20	2TX
2.4-2.4835GHz	802.11n HT40	40	2TX
2.4-2.4835GHz	VHT40	40	2TX
2.4-2.4835GHz	802.11ax HEW40	40	2TX

Note:
- 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- 11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- HEW20, HEW40 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)		
						WLAN 2.4GHz	WLAN 5GHz	Bluetooth/ Zigbee
1	1	RUCKUS	Corzar / Izar (Vertical)	PCB	I-PEX	2.4	3.2	-
2	2	RUCKUS	Procyon (Horizontal)	PCB	I-PEX	2.1	3.2	-
3	1	RUCKUS	Stamped IFA	PIFA	I-PEX	-	-	0.3

Note: The above information was declared by manufacturer.

For WLAN 2.4GHz Function:

For IEEE 802.11b/g/n/VHT/ax (2TX/2RX):

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

For WLAN 5GHz Function:

For IEEE 802.11a/n/ac/ax (2TX/2RX):

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

For Bluetooth Function (1TX/1RX)

Only Port 1 can be used as transmitting/receiving.

For Zigbee Function (1TX/1RX)

Only Port 1 can be used as transmitting/receiving.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.998	0.01	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.989	0.05	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW20	0.991	0.04	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40	0.984	0.07	n/a (DC>=0.98)	n/a (DC>=0.98)

Note:
- DC is Duty Cycle.
- DCF is Duty Cycle Factor.

1.1.4 EUT Operational Condition

EUT Power Type	From PoE or DC Power Supply			
Beamforming Function	☐	With beamforming	☒	Without beamforming
Function	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	PuTTY (Release 0.62)			

Note: The above information was declared by manufacturer.

1.2 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- 47 CFR FCC Part 15
- ANSI C63.10-2013

The following reference test guidance is not within the scope of accreditation of TAF.

- FCC KDB 558074 D01 v05r02
- FCC KDB 662911 D01 v02r01
- FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

Testing Location			
☐	HWA YA	ADD :	No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)
		TEL :	886-3-327-3456 FAX : 886-3-327-0973
☒	JHUBEI	ADD :	No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302, Taiwan (R.O.C.)
		TEL :	886-3-656-9065 FAX : 886-3-656-9085

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH01-CB	Serway Li	18.6-19.2 / 65-67	Jan. 06, 2021~ Jan. 26, 2021
Radiated (For Co-location test)	03CH04-CB	Cola Fan	22.2-22.6 / 60-62	Dec. 30, 2020~ Jan. 28, 2021
Radiated (For other tests)	03CH06-CB	Cola Fan	21.5-22.1 / 59-62	Dec. 30, 2020~ Jan. 28, 2021
AC Conduction	CO01-CB	Peter Wu	20~21 / 59~63	Jan. 22, 2021~ Jan. 23, 2021

Test site Designation No. TW0006 with FCC.
Test site registered number IC 4086D with Industry Canada.

1.4 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	2.0 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.8 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	5.0 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.9 dB	Confidence levels of 95%
Conducted Emission	2.8 dB	Confidence levels of 95%
Output Power Measurement	1.4 dB	Confidence levels of 95%
Power Density Measurement	2.8 dB	Confidence levels of 95%
Bandwidth Measurement	0.4%	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	46
2437MHz	46
2462MHz	46
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	43
2417MHz	46
2437MHz	46
2457MHz	43
2462MHz	41
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	42
2417MHz	45
2437MHz	46
2457MHz	43
2462MHz	40
802.11ax HEW40_Nss1,(MCS0)_2TX	-
2422MHz	42
2427MHz	42
2437MHz	43
2447MHz	40
2452MHz	37

Note:
- Evaluated HEW20/HEW40 mode only, due to similar modulation. The power setting of HT20/HT40/VHT20/VHT40 mode are the same or lower than HEW20/HEW40.

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	CTX
1	WLAN 2.4GHz + PoE
2	WLAN 2.4GHz + DC Power Supply
Mode 1 has been evaluated to be the worst case among Mode 1~2, thus measurement for Mode 3 ~ 5 will follow this same test mode.	
3	WLAN 5GHz + PoE
4	Bluetooth + PoE
5	Zigbee + PoE
For operating mode 4 is the worst case and it was record in this test report.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	DTS Bandwidth Maximum Conducted Output Power Power Spectral Density Emissions in Non-restricted Frequency Bands
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX
The EUT was performed at Y axis and Z axis position for Radiated measurement, and the worst case was found at 2.4GHz/ Bluetooth / Zigbee Y axis position and 5GHz Z axis position.	
1	WLAN 2.4GHz + Place EUT in Y axis + PoE
2	WLAN 2.4GHz + Place EUT in Y axis + DC Power Supply
Mode 2 has been evaluated to be the worst case among Mode 1~2, thus measurement for Mode 3 ~ 5 will follow this same test mode.	
3	WLAN 5GHz + Place EUT in Z axis + DC Power Supply
4	Bluetooth + Place EUT in Y axis + DC Power Supply
5	Zigbee + Place EUT in Y axis + DC Power Supply
For operating mode 4 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
The EUT was performed at Y axis and Z axis position. The worst case was found at Y axis, thus the measurement will follow this same test configuration.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
The EUT can be placed in Y axis and Z axis. EUT Y axis has been evaluated to be the worst case at Emissions in Radiated measurement <Above 1GHz>; thus, the measurement will follow this same test configuration.	
1	WLAN 2.4GHz + WLAN 5GHz + Place EUT in Y axis
Refer to Appendix G for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz + Bluetooth + Zigbee
Refer to Sporton Test Report No.: FA091815 for Co-location RF Exposure Evaluation.	

Note: The PoE and DC Power Supply below are for measurement only, would not be marketed.

The PoE and DC Power Supply information as below:

Support Unit	Brand Holder	Model Name
PoE	RUCKUS	GRT-480125A (740-64284-001)
DC Power Supply	Advanced	LPS-305

2.3 EUT Operation during Test

CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link Mode:

During the test, the EUT operation to normal function.

2.4 Accessories

N/A

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	LAN NB	DELL	E6430	N/A
B	PoE	RUCKUS	GRT-480125A (740-64284-001)	N/A

For Radiated (below 1GHz):

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	LAN NB	DELL	E4300	N/A
B	Power Supply	Advanced	LPS-305	N/A

For Radiated (above 1GHz):

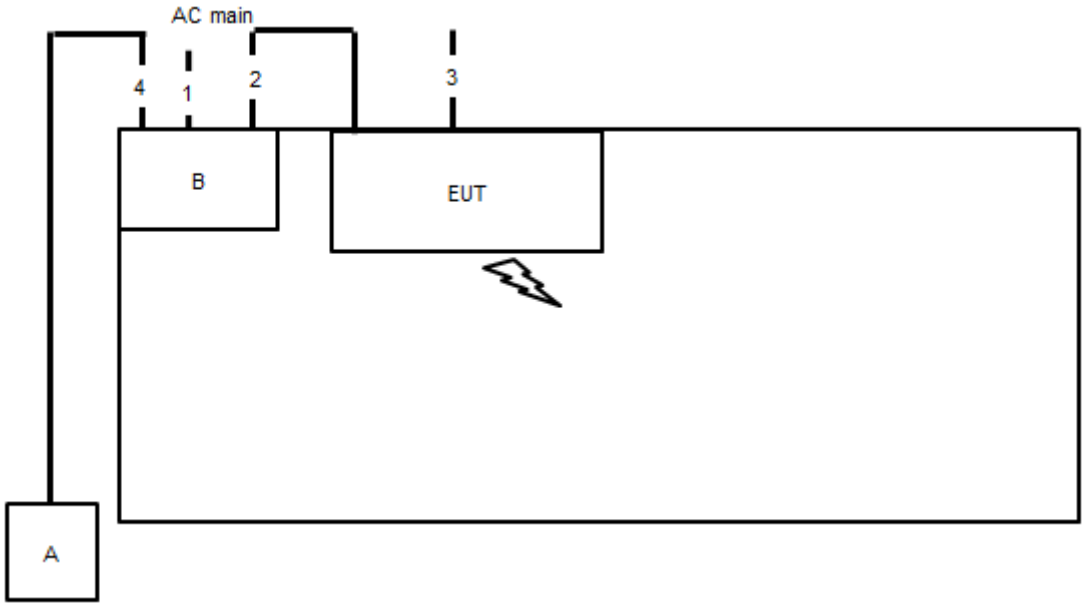
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	LAN NB	DELL	E4300	N/A
B	PoE	RUCKUS	GRT-480125A (740-62484-001)	N/A

For RF Conducted:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	LAN NB	DELL	E4300	N/A
B	PoE	RUCKUS	GRT-480125A (740-62484-001)	N/A

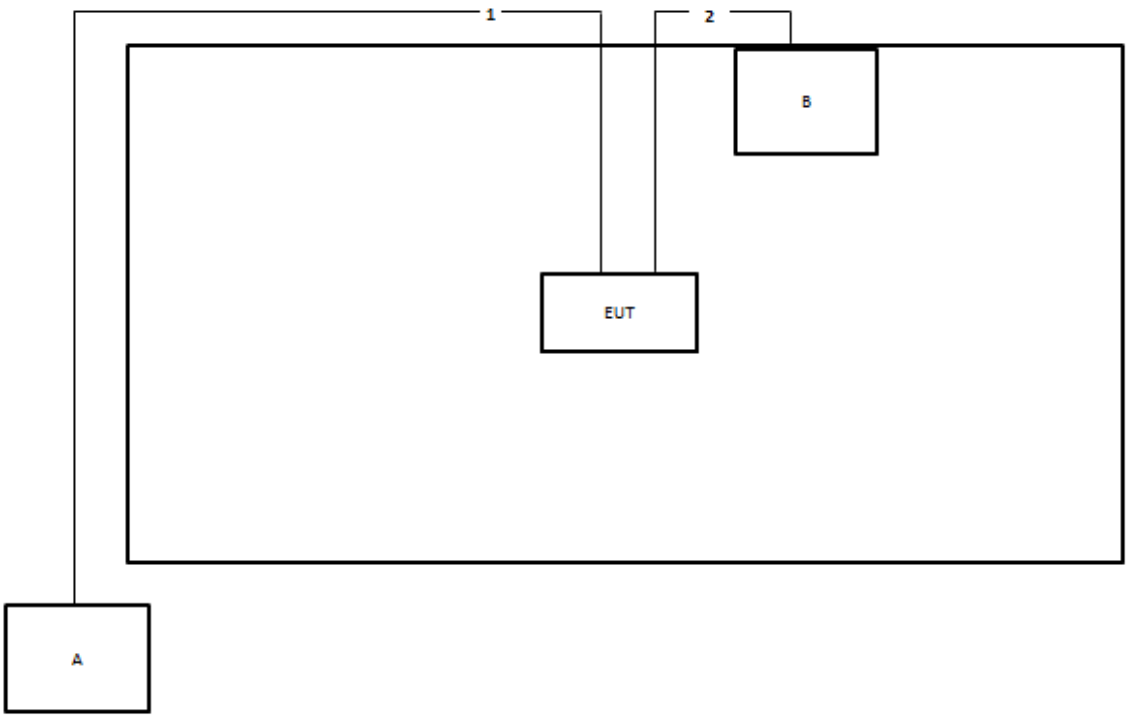
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



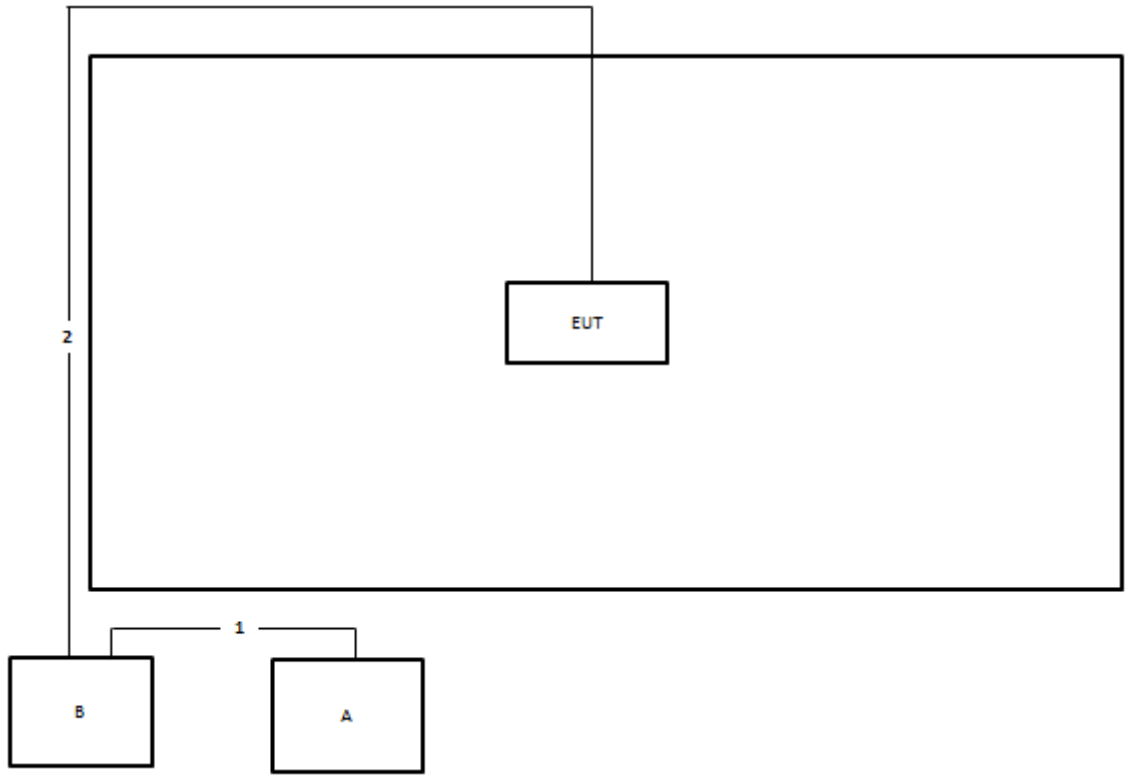
Item	Connection	Shielded	Length
1	Power cable	No	1.2m
2	RJ-45 cable	No	1m
3	Ground cable	No	1.5m
4	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test < 1GHz



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	PIN cable	No	1m

Test Setup Diagram - Radiated Test > 1GHz



Item	Connection	Shielded	Length
1	RJ-45 cable	No	1.5m
2	RJ-45 cable	No	10m

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	**Quasi-Peak**	**Average**
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note 1: * Decreases with the logarithm of the frequency.		

3.1.2 Measuring Instruments

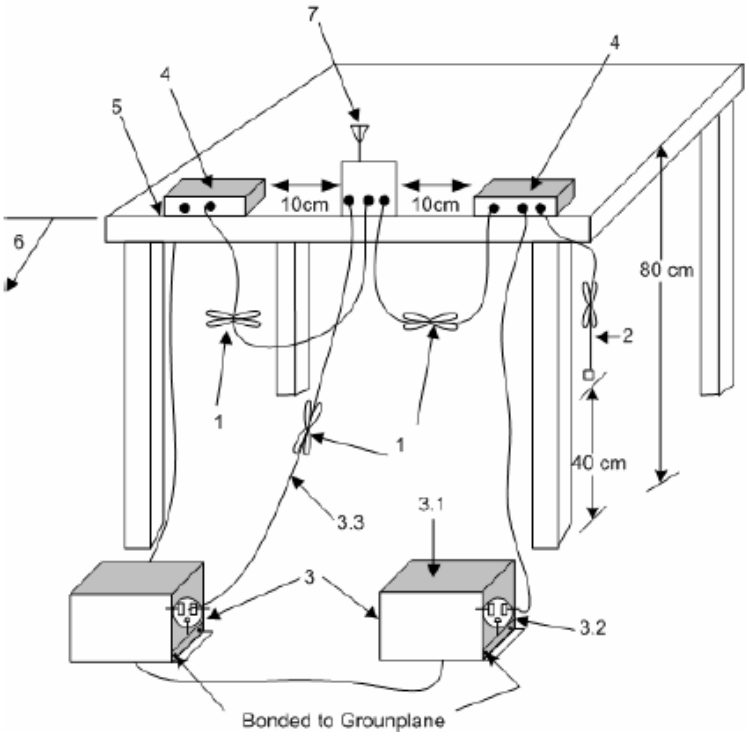
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Test Setup

AC Power-line Conducted Emissions



1—Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long.
2—The I/O cables that are not connected to an accessory shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
3—EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50 Ω loads. LISN may be placed on top of, or immediately beneath, reference ground plane.
3.1—All other equipment powered from additional LISN(s).
3.2—A multiple-outlet strip may be used for multiple power cords of non-EUT equipment.
3.3—LISN at least 80 cm from nearest part of EUT chassis.
4—Non-EUT components of EUT system being tested.
5—Rear of EUT, including peripherals, shall all be aligned and flush with edge of tabletop.
6—Edge of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.
7—Antenna can be integral or detachable. If detachable, then the antenna shall be attached for this test.

3.1.5 Measurement Results Calculation

The measured Level is calculated using:

a. Corrected Reading: LISN Factor (LISN) + Attenuator (AT/AUX) + Cable Loss (CL) + Read Level (Raw) = Level

b. Margin = -Limit + Level

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

6dB Bandwidth Limit
Systems using digital modulation techniques:
▪ 6 dB bandwidth ≥ 500 kHz.

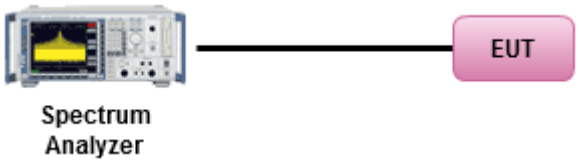
3.2.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

Test Method	
▪ For the emission bandwidth shall be measured using one of the options below:	
	☒ Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.1 Option 1 for 6 dB bandwidth measurement.
	☐ Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.2 Option 2 for 6 dB bandwidth measurement.
	☐ Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.

3.2.4 Test Setup

Emission Bandwidth


3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit		
	▪ If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)	
	▪ Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)$ dBm	
	▪ Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm	
	▪ Smart antenna system (SAS):	
		- Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm
		- Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm
		- Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3 + 8$dB dBm
P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, **G_{TX}** = the maximum transmitting antenna directional gain in dBi.		

3.3.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

Test Method	
▪ Maximum Peak Conducted Output Power	
	☐ Refer as FCC KDB 558074, clause 8.3.1.1 & C63.10 clause 11.9.1.1 (RBW ≥ EBW method).
	☐ Refer as FCC KDB 558074, clause 8.3.1.3 & C63.10 clause 11.9.1.3 (peak power meter).
▪ Maximum Conducted Output Power	
	[duty cycle ≥ 98% or external video / power trigger]
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.2 Method AVGSA-1.
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.3 Method AVGSA-1A. (alternative)
	duty cycle < 98% and average over on/off periods with duty factor
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.4 Method AVGSA-2.
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.5 Method AVGSA-2A (alternative)
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.6 Method AVGSA-3
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.7 Method AVGSA-3A (alternative)
	Measurement using a power meter (PM)
	☐ Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.1 Method AVGPM (using an RF average power meter).
	☒ Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.2 Method AVGPM-G (using an gate RF average power meter).
▪ For conducted measurement.	
	▪ If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

Maximum Conducted Output Power (Power Meter)


3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

Power Spectral Density Limit
▪ Power Spectral Density (PSD) ≤ 8 dBm/3kHz

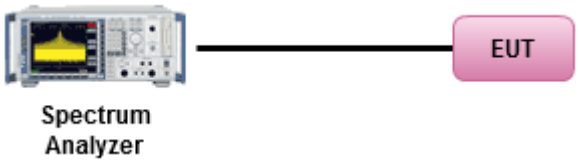
3.4.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.4.3 Test Procedures

Test Method		
▪ Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).		
	☒ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10 Method Max. PSD.	
▪ For conducted measurement.		
	▪ If The EUT supports multiple transmit chains using options given below:	
		☒ Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
		☐ Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
		☐ Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.

3.4.4 Test Setup

Power Spectral Density


3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	**Limit (dBc)**
Peak output power procedure	20
Average output power procedure	30
Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level. Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average PSD level.	

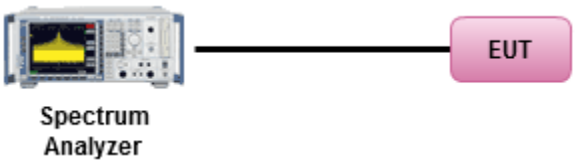
3.5.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

Test Method
▪ Refer as FCC KDB 558074, clause 8.5 for unwanted emissions into non-restricted bands.

3.5.4 Test Setup

Emissions in Non-restricted Frequency Bands


3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

Restricted Band Emissions Limit			
Frequency Range (MHz)	**Field Strength (uV/m)**	**Field Strength (dBuV/m)**	**Measure Distance (m)**
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

3.6.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

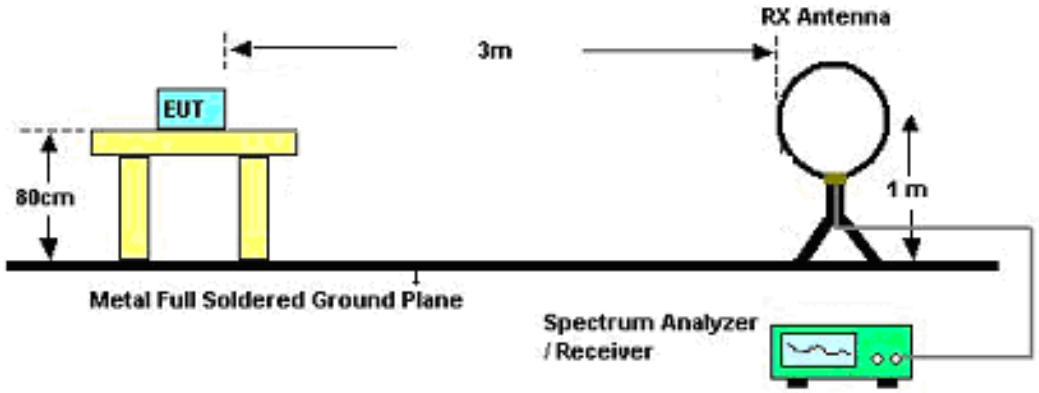
3.6.3 Test Procedures

Test Method			
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].			
▪ Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.			
▪ For the transmitter unwanted emissions shall be measured using following options below:			
	▪ Refer as FCC KDB 558074, clause 8.6 for unwanted emissions into restricted bands.		
		☐	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.1(trace averaging for duty cycle ≥98%).
		☐	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.2(trace averaging + duty factor).
		☒	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.3(Reduced VBW≥1/T).
		☐	Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.
		☐	Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
		☒	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.4 measurement procedure peak limit.
▪ For the transmitter band-edge emissions shall be measured using following options below:			
	▪ Refer as FCC KDB 558074 clause 8.7 & C63.10 clause 11.13.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.		
	▪ Refer as FCC KDB 558074, clause 8.7 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.		
	▪ Refer as FCC KDB 558074, clause 8.7 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).		
	▪ For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add 10 log(N) dB		
	▪ For FCC KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.		

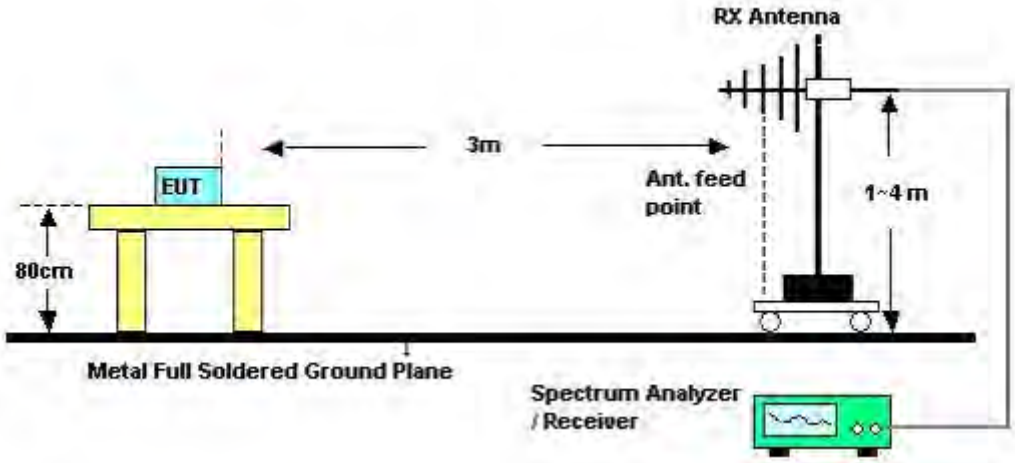
3.6.4 Test Setup

Radiated - Emissions in Restricted Frequency Bands

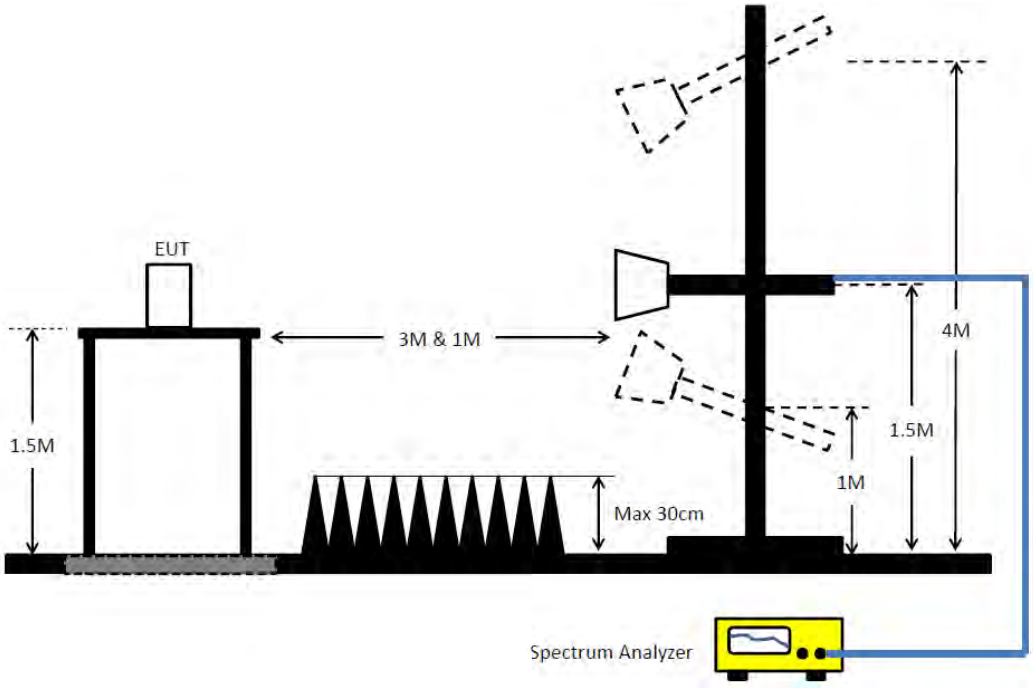
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.6.5 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Antenna factor (AF) + Cable loss (CL) + Read level (Raw) - Preamp factor (PA)(if applicable) = Level.

3.6.6 Emissions in Restricted Frequency Bands (Below 30MHz)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.
The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10th harmonic or 40 GHz, whichever is appropriate.

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Feb. 26, 2020	Feb. 25, 2021	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Nov. 20, 2020	Nov. 19, 2021	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Feb. 25, 2020	Feb. 24, 2021	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Jan. 31, 2020	Jan. 30, 2021	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 20, 2020	May 19, 2021	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Apr. 13, 2020	Apr. 12, 2021	Radiation (03CH06-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH06-CB	30 MHz ~ 1 GHz	Aug. 10, 2020	Aug. 09. 2021	Radiation (03CH06-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Oct. 02, 2020	Oct. 01, 2021	Radiation (03CH06-CB)
Bilog Antenna with 6 dB attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37878 & AT-N0606	20MHz ~ 2GHz	Aug. 02, 2020	Aug. 01, 2021	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1292	1GHz~18GHz	Jul. 22, 2020	Jul. 21, 2021	Radiation (03CH06-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	310N	187290	0.1MHz ~ 1GHz	Nov. 05, 2020	Nov. 04, 2021	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	May 07, 2020	May 06, 2021	Radiation (03CH06-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSP40	100080	9kHz~40GHz	Dec. 15, 2020	Dec. 14, 2021	Radiation (03CH06-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	May 13, 2020	May 12, 2021	Radiation (03CH06-CB)
RF Cable-low	Woken	RG402	Low Cable-05+24	30MHz~1GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05	1GHz~18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+24	1GHz~18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH06-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH06-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 26, 2020	Feb. 25, 2021	Radiation (03CH04-CB)
Horn Antenna	ETS・Lindgren	3115	00143147	750MHz~18GHz	Oct. 23, 2020	Oct. 22, 2021	Radiation (03CH04-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz ~ 26.5GHz	Jul. 14, 2020	Jul. 13, 2021	Radiation (03CH04-CB)
Pre-Amplifier	MITEQ	TTA1840-35-H G	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH04-CB)
Signal Analyzer	R&S	FSV40	101904	9kHz ~ 40GHz	May 12, 2020	May 11, 2021	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Nov. 05, 2020	Nov. 04, 2021	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 05, 2020	May 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz –26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Feb. 07, 2020	Feb. 06, 2021	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Feb. 07, 2020	Feb. 06, 2021	Conducted (TH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH01-CB)

Note: Calibration Interval of instruments listed above is one year.

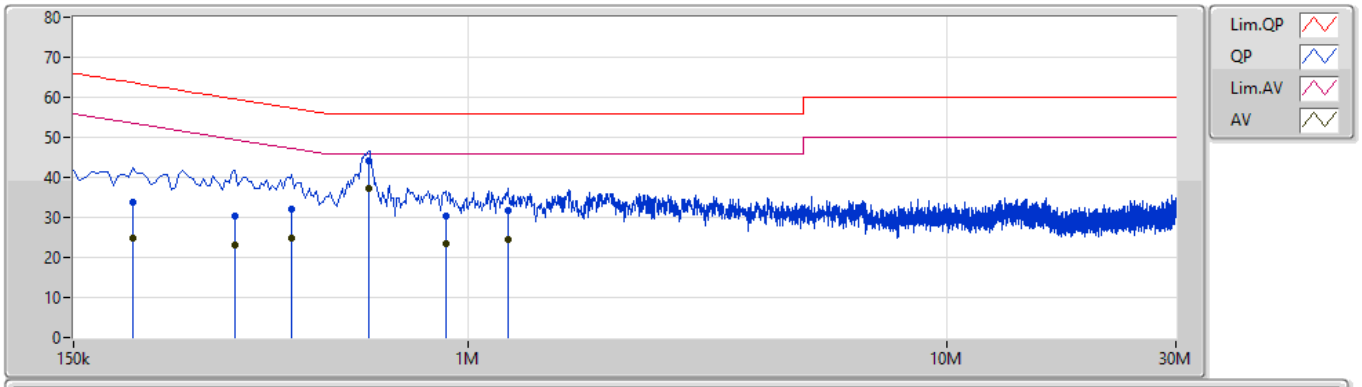
NCR means Non-Calibration required.

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 4	Pass	AV	609k	37.70	46.00	-8.30	Neutral

Mode 4

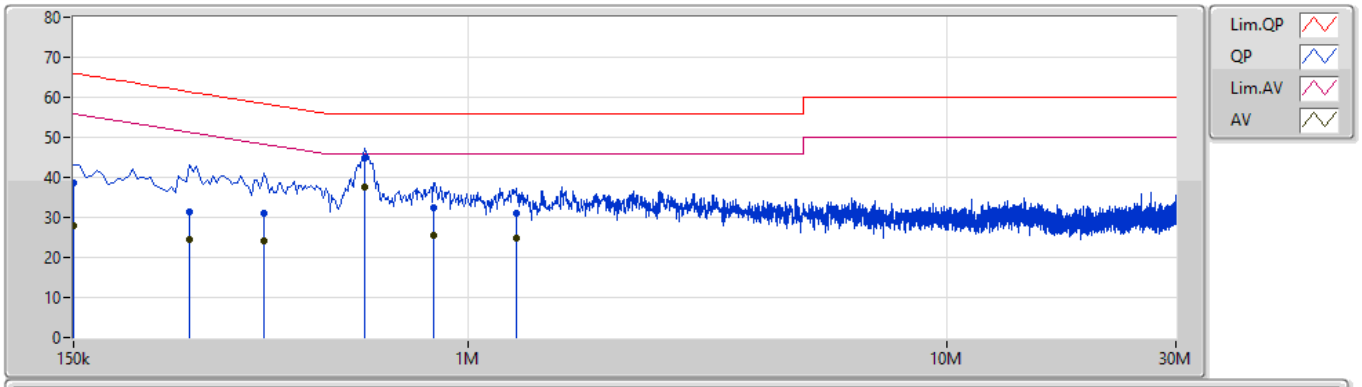
23/01/2021



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	199.5k	33.94	63.63	-29.69	9.89	Line	-	24.05	0.04	0.03	9.82
AV	199.5k	24.98	53.63	-28.65	9.89	Line	-	15.09	0.04	0.03	9.82
QP	325.5k	30.22	59.56	-29.34	9.90	Line	-	20.32	0.04	0.03	9.83
AV	325.5k	23.15	49.56	-26.41	9.90	Line	-	13.25	0.04	0.03	9.83
QP	429k	32.11	57.28	-25.17	9.90	Line	-	22.21	0.04	0.03	9.83
AV	429k	24.98	47.28	-22.30	9.90	Line	-	15.08	0.04	0.03	9.83
QP	618k	44.30	56.00	-11.70	9.90	Line	-	34.40	0.04	0.03	9.83
AV	618k	37.32	46.00	-8.68	9.90	Line	"Worst"	27.42	0.04	0.03	9.83
QP	901.5k	30.49	56.00	-25.51	9.92	Line	-	20.57	0.05	0.04	9.83
AV	901.5k	23.30	46.00	-22.70	9.92	Line	-	13.38	0.05	0.04	9.83
QP	1.208M	31.60	56.00	-24.40	9.94	Line	-	21.66	0.05	0.05	9.84
AV	1.208M	24.49	46.00	-21.51	9.94	Line	-	14.55	0.05	0.05	9.84

Mode 4

23/01/2021



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	150k	38.48	66.00	-27.52	9.88	Neutral	-	28.60	0.04	0.03	9.81
AV	150k	27.89	56.00	-28.11	9.88	Neutral	-	18.01	0.04	0.03	9.81
QP	262.5k	31.43	61.35	-29.92	9.89	Neutral	-	21.54	0.04	0.03	9.82
AV	262.5k	24.38	51.35	-26.97	9.89	Neutral	-	14.49	0.04	0.03	9.82
QP	375k	31.01	58.39	-27.38	9.90	Neutral	-	21.11	0.04	0.03	9.83
AV	375k	24.12	48.39	-24.27	9.90	Neutral	-	14.22	0.04	0.03	9.83
QP	609k	44.85	56.00	-11.15	9.91	Neutral	-	34.94	0.05	0.03	9.83
AV	609k	37.70	46.00	-8.30	9.91	Neutral	"Worst"	27.79	0.05	0.03	9.83
QP	847.5k	32.49	56.00	-23.51	9.93	Neutral	-	22.56	0.06	0.04	9.83
AV	847.5k	25.36	46.00	-20.64	9.93	Neutral	-	15.43	0.06	0.04	9.83
QP	1.262M	31.13	56.00	-24.87	9.95	Neutral	-	21.18	0.06	0.05	9.84
AV	1.262M	24.84	46.00	-21.16	9.95	Neutral	-	14.89	0.06	0.05	9.84

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	9.05M	14.243M	14M2G1D	7.075M	13.093M
802.11g_Nss1,(6Mbps)_2TX	16.3M	17.441M	17M4D1D	15.425M	16.342M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.225M	19.14M	19M1D1D	16.775M	18.866M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.6M	37.831M	37M8D1D	33.55M	37.631M

Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

Result

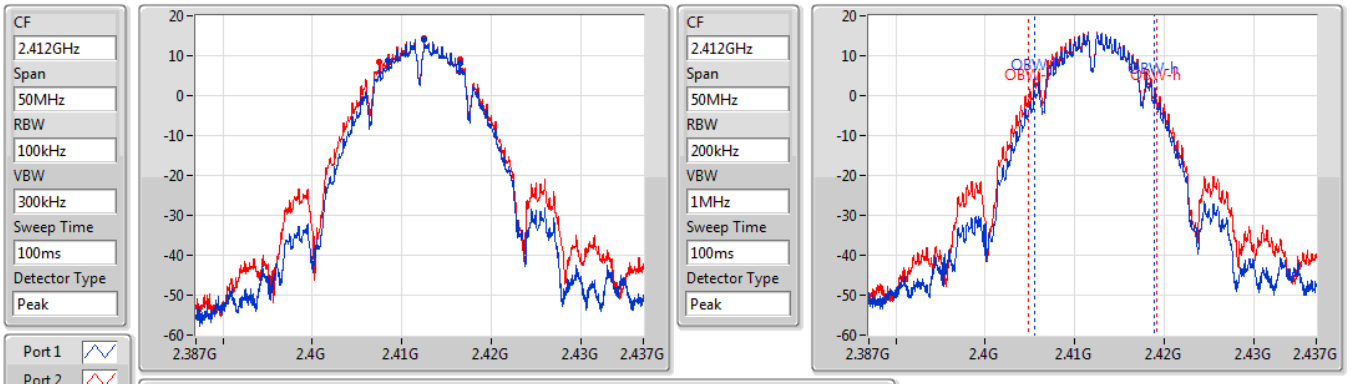
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	8.075M	13.468M	9.05M	14.243M
2437MHz	Pass	500k	7.125M	13.543M	7.525M	13.143M
2462MHz	Pass	500k	7.075M	13.093M	7.1M	13.893M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15.675M	16.517M	16.3M	16.542M
2437MHz	Pass	500k	16.3M	17.441M	16M	16.542M
2462MHz	Pass	500k	15.425M	16.342M	16.3M	16.442M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.85M	18.916M	18.225M	18.966M
2437MHz	Pass	500k	18.225M	19.14M	17.6M	18.966M
2462MHz	Pass	500k	16.775M	18.866M	17.9M	18.916M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	33.55M	37.631M	37.6M	37.781M
2437MHz	Pass	500k	37.55M	37.831M	37.15M	37.631M
2452MHz	Pass	500k	37.15M	37.731M	37.3M	37.781M

Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

802.11b_Nss1,(1Mbps)_2TX EBW

2412MHz

06/01/2021

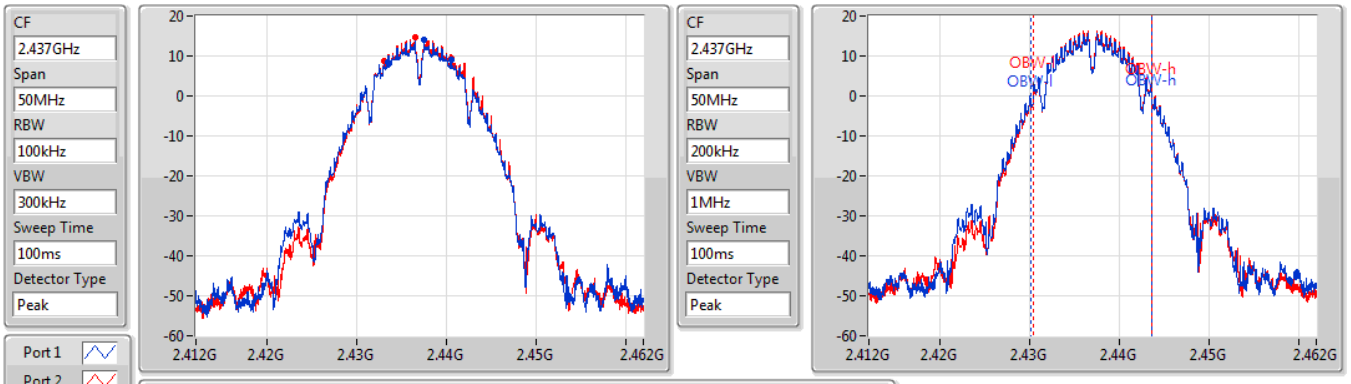


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.075M	2.40845G	2.416525G	13.468M	2.405478G	2.418947G	500k	1
9.05M	2.407475G	2.416525G	14.243M	2.404879G	2.419121G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2437MHz

06/01/2021

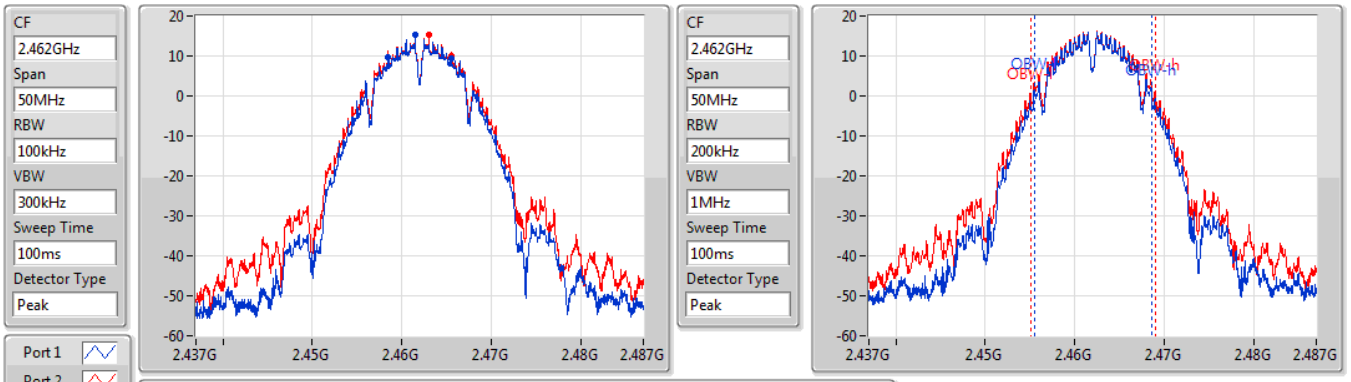


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.125M	2.433425G	2.44055G	13.543M	2.430128G	2.443672G	500k	1
7.525M	2.433025G	2.44055G	13.143M	2.430453G	2.443597G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2462MHz

06/01/2021

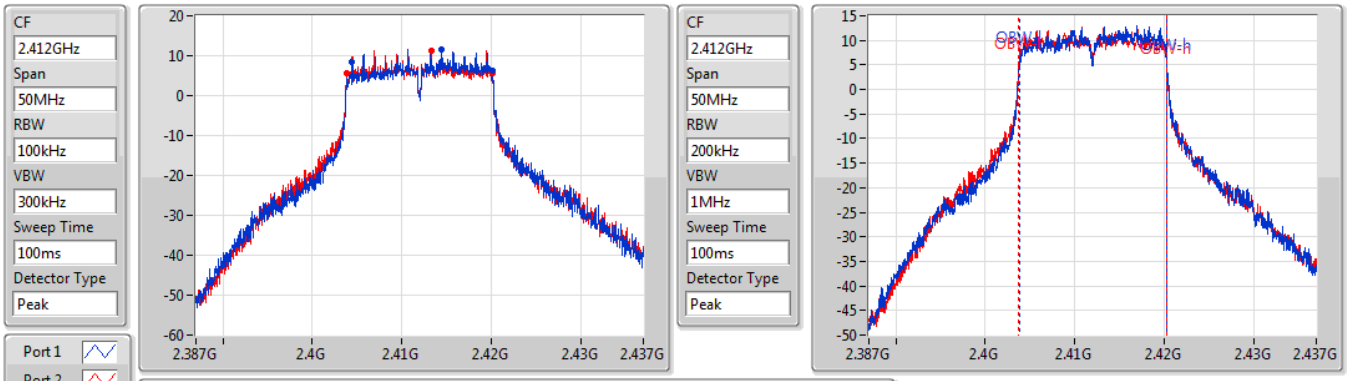


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.075M	2.458475G	2.46555G	13.093M	2.455503G	2.468597G	500k	1
7.1M	2.45845G	2.46555G	13.893M	2.455078G	2.468972G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2412MHz

06/01/2021

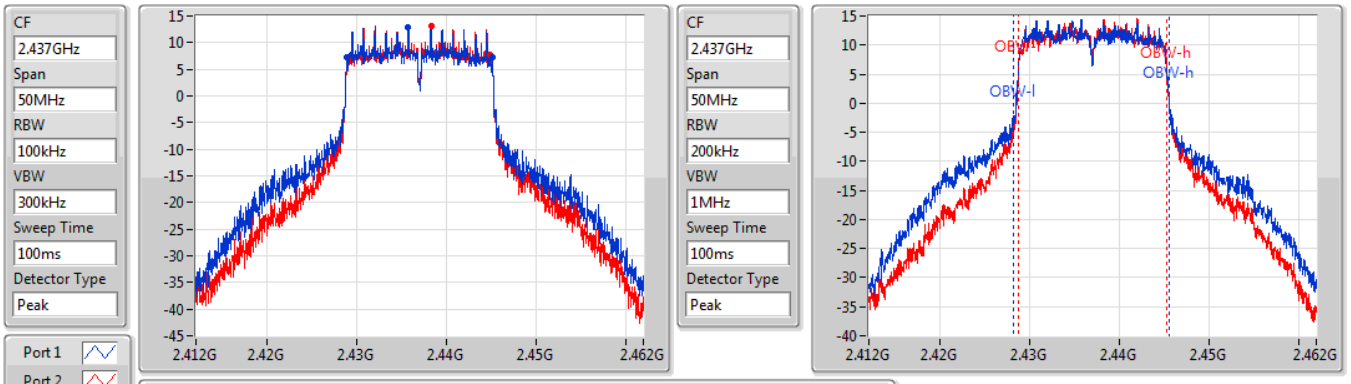


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.675M	2.404475G	2.42015G	16.517M	2.403829G	2.420346G	500k	1
16.3M	2.40385G	2.42015G	16.542M	2.403754G	2.420296G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2437MHz

06/01/2021

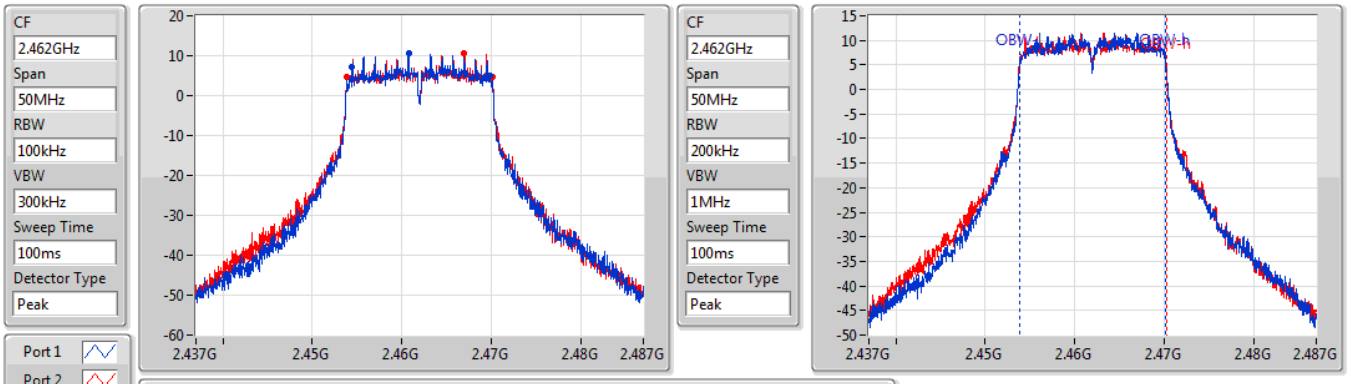


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	2.42885G	2.44515G	17.441M	2.428104G	2.445546G	500k	1
16M	2.428875G	2.444875G	16.542M	2.428754G	2.445296G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2462MHz

06/01/2021

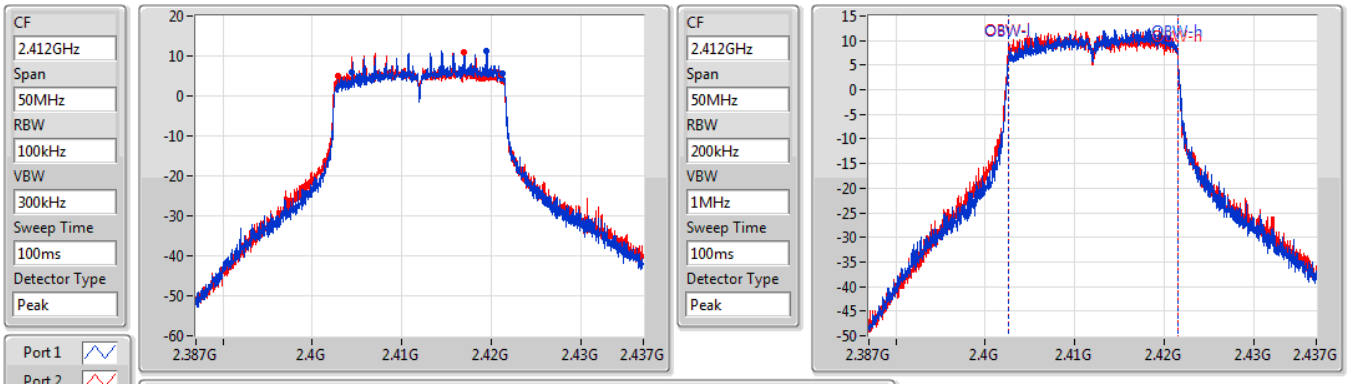


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.425M	2.45445G	2.469875G	16.342M	2.453854G	2.470196G	500k	1
16.3M	2.45385G	2.47015G	16.442M	2.453804G	2.470246G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

2412MHz

06/01/2021

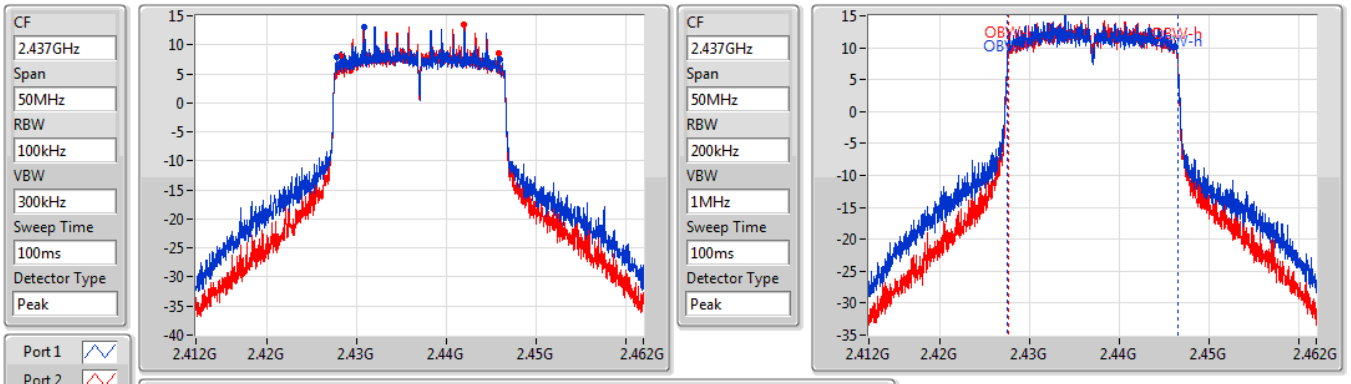


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.85M	2.404425G	2.421275G	18.916M	2.402605G	2.42152G	500k	1
18.225M	2.4029G	2.421125G	18.966M	2.40253G	2.421495G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

2437MHz

06/01/2021

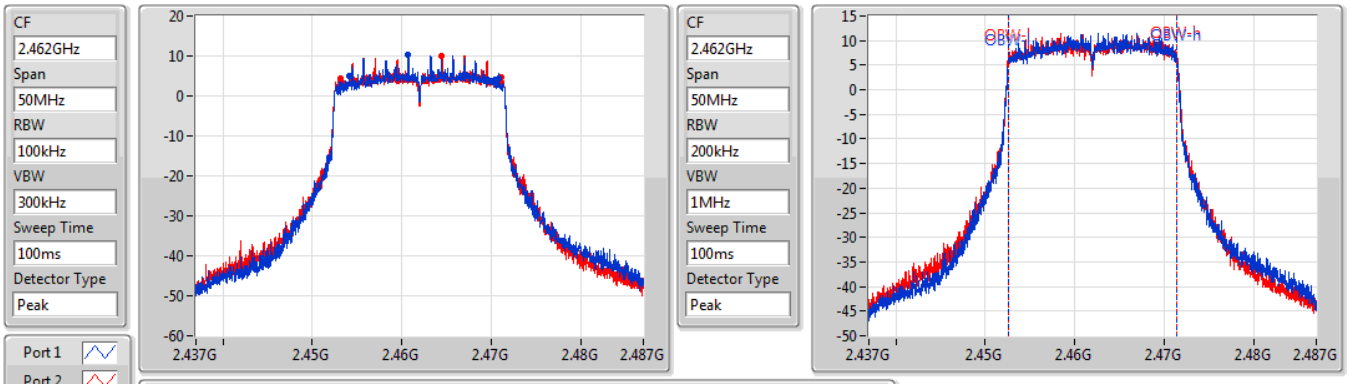


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.225M	2.427725G	2.44595G	19.14M	2.427405G	2.446545G	500k	1
17.6M	2.4282G	2.4458G	18.966M	2.42753G	2.446495G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

2462MHz

06/01/2021

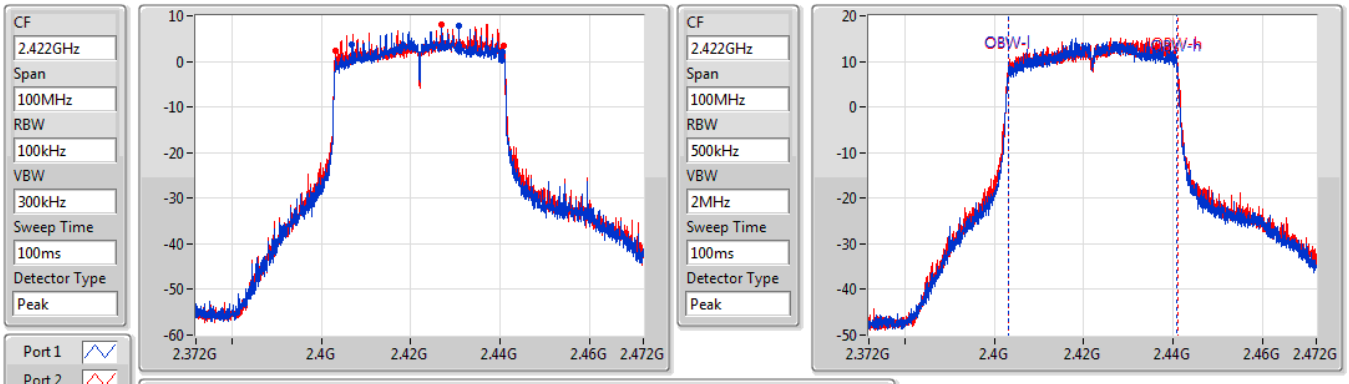


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.775M	2.4541G	2.470875G	18.866M	2.45258G	2.471445G	500k	1
17.9M	2.4532G	2.4711G	18.916M	2.452555G	2.47147G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

2422MHz

06/01/2021

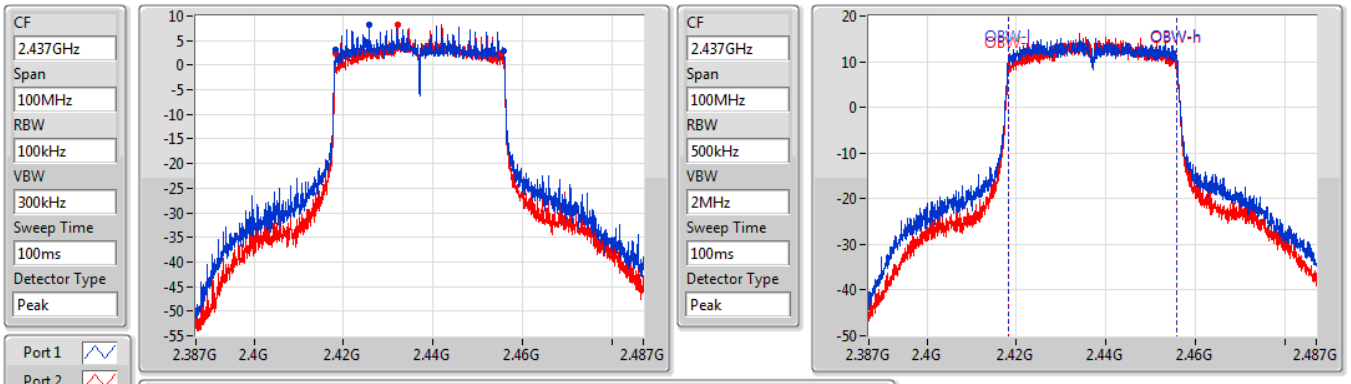


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.55M	2.40695G	2.4405G	37.631M	2.403259G	2.440891G	500k	1
37.6M	2.4032G	2.4408G	37.781M	2.403209G	2.440991G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

2437MHz

06/01/2021

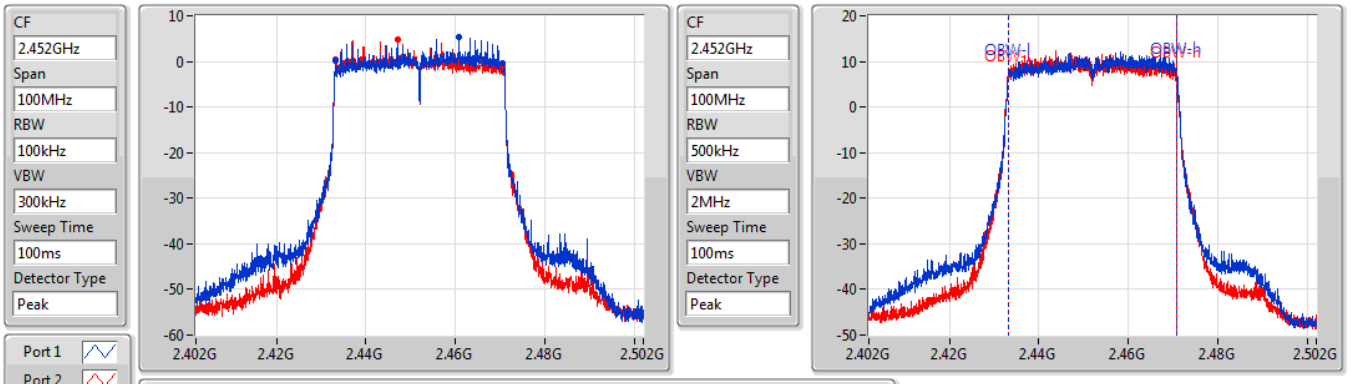


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.55M	2.4182G	2.45575G	37.831M	2.418109G	2.455941G	500k	1
37.15M	2.4182G	2.45535G	37.631M	2.418259G	2.455891G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

2452MHz

06/01/2021



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.15M	2.43325G	2.4704G	37.731M	2.433159G	2.470891G	500k	1
37.3M	2.4332G	2.4705G	37.781M	2.433109G	2.470891G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	27.07	0.50933
802.11g_Nss1,(6Mbps)_2TX	26.91	0.49091
802.11ax HEW20_Nss1,(MCS0)_2TX	26.53	0.44978
802.11ax HEW40_Nss1,(MCS0)_2TX	25.05	0.31989

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.40	23.70	24.28	27.01	30.00
2437MHz	Pass	2.40	23.71	24.39	27.07	30.00
2462MHz	Pass	2.40	23.81	24.22	27.03	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.40	22.18	22.14	25.17	30.00
2417MHz	Pass	2.40	23.83	23.90	26.88	30.00
2437MHz	Pass	2.40	23.85	23.94	26.91	30.00
2457MHz	Pass	2.40	22.30	22.17	25.25	30.00
2462MHz	Pass	2.40	21.09	21.06	24.09	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.40	21.27	21.35	24.32	30.00
2417MHz	Pass	2.40	23.12	23.03	26.09	30.00
2437MHz	Pass	2.40	23.46	23.57	26.53	30.00
2457MHz	Pass	2.40	21.91	21.77	24.85	30.00
2462MHz	Pass	2.40	20.21	20.13	23.18	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	2.40	21.27	21.62	24.46	30.00
2427MHz	Pass	2.40	21.44	21.69	24.58	30.00
2437MHz	Pass	2.40	22.19	21.88	25.05	30.00
2447MHz	Pass	2.40	20.46	20.35	23.42	30.00
2452MHz	Pass	2.40	18.94	18.66	21.81	30.00

DG = Directional Gain; **Port X** = Port X output power

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	-1.08
802.11g_Nss1,(6Mbps)_2TX	-1.52
802.11ax HEW20_Nss1,(MCS0)_2TX	-0.85
802.11ax HEW40_Nss1,(MCS0)_2TX	-5.54

RBW = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

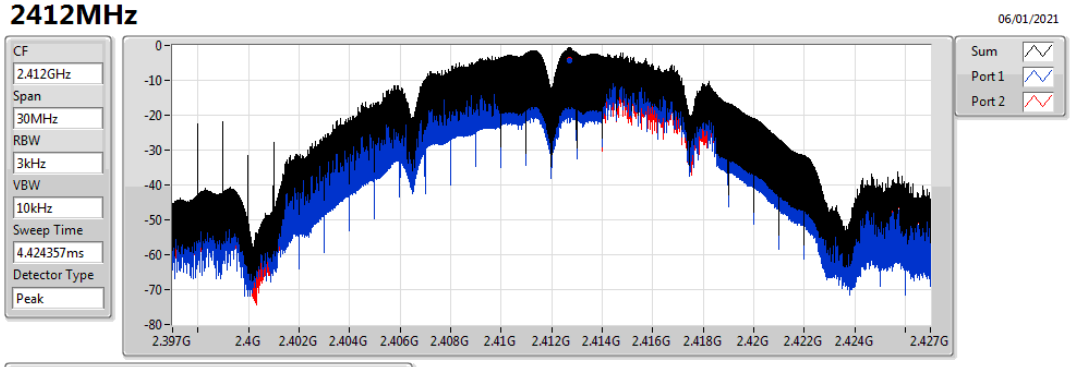
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.40	-4.41	-4.13	-1.26	8.00
2437MHz	Pass	2.40	-4.48	-3.78	-1.13	8.00
2462MHz	Pass	2.40	-4.18	-3.99	-1.08	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.40	-4.93	-4.96	-3.34	8.00
2437MHz	Pass	2.40	-3.72	-3.16	-1.52	8.00
2462MHz	Pass	2.40	-5.78	-5.76	-3.90	8.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.40	-5.12	-4.85	-3.05	8.00
2437MHz	Pass	2.40	-2.31	-2.61	-0.85	8.00
2462MHz	Pass	2.40	-5.40	-5.36	-4.37	8.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	2.40	-7.43	-7.60	-5.54	8.00
2437MHz	Pass	2.40	-7.69	-7.43	-6.23	8.00
2452MHz	Pass	2.40	-10.25	-9.75	-8.83	8.00

DG = Directional Gain; **RBW** = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11b_Nss1,(1Mbps)_2TX PSD

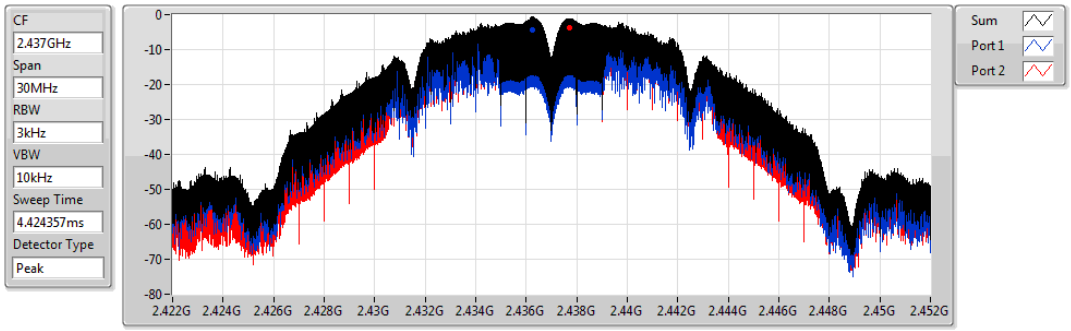
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.26	-1.26	-4.41	-4.13

802.11b_Nss1,(1Mbps)_2TX PSD

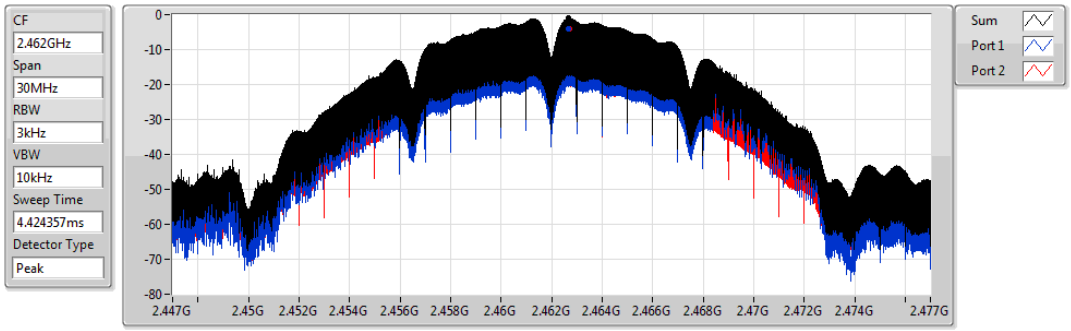
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.13	-1.13	-4.48	-3.78

802.11b_Nss1,(1Mbps)_2TX PSD

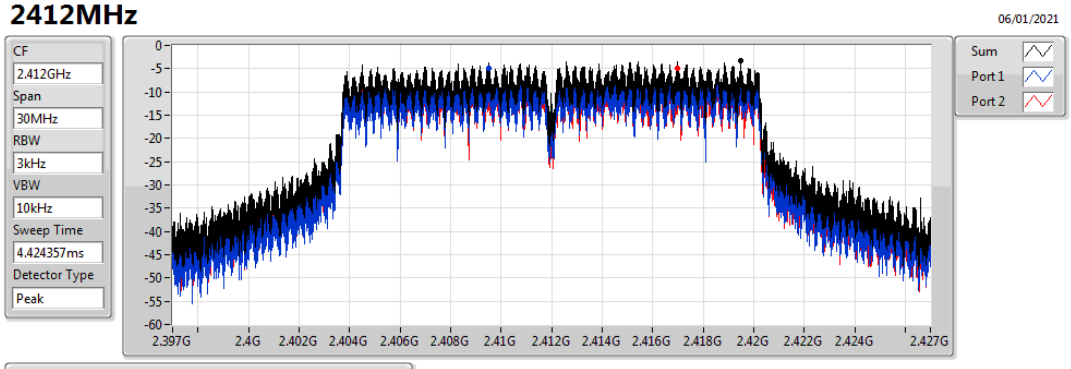
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.08	-1.08	-4.18	-3.99

802.11g_Nss1,(6Mbps)_2TX PSD

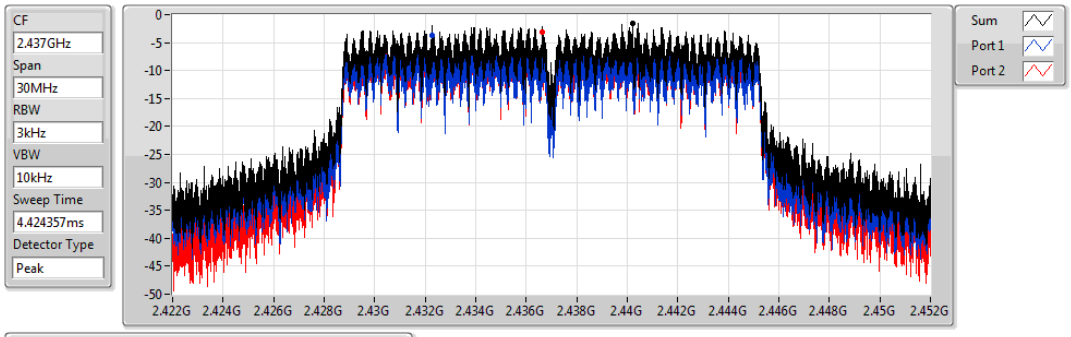
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.34	-3.34	-4.93	-4.96

802.11g_Nss1,(6Mbps)_2TX PSD

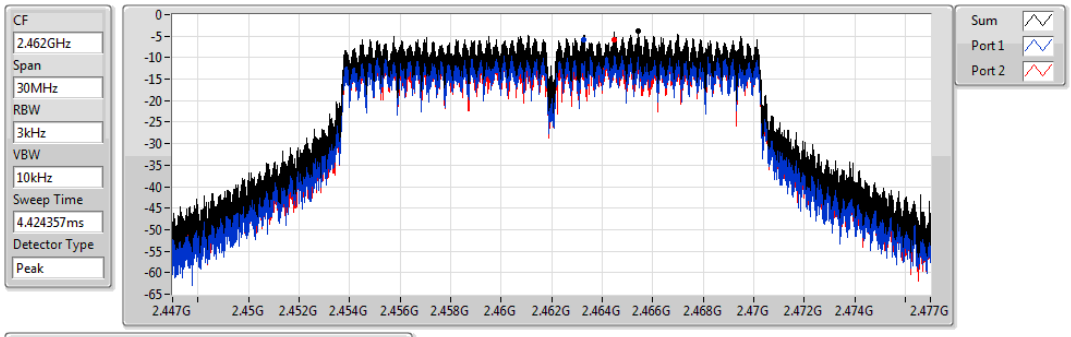
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.52	-1.52	-3.72	-3.16

802.11g_Nss1,(6Mbps)_2TX PSD

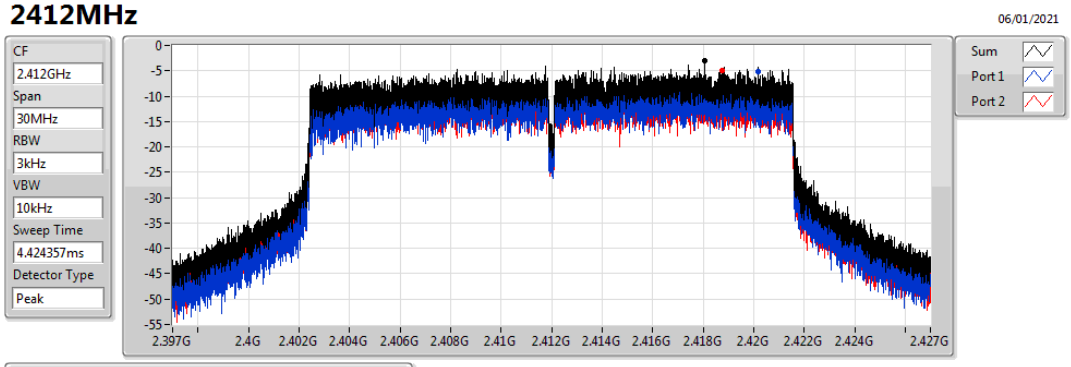
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.90	-3.90	-5.78	-5.76

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

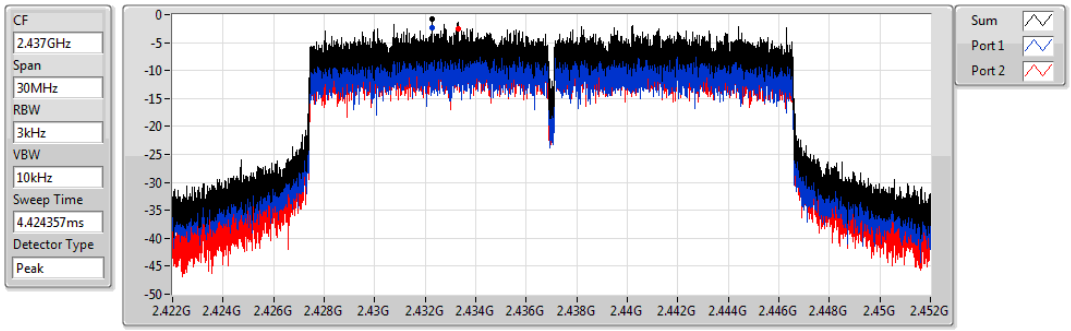
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.05	-3.05	-5.12	-4.85

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

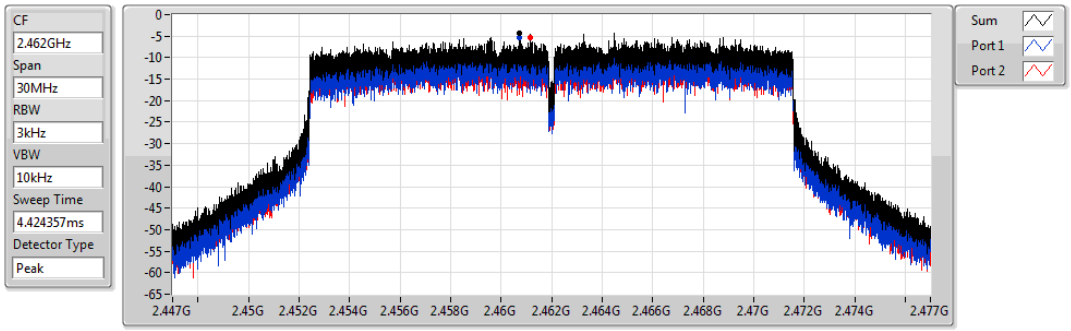
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.85	-0.85	-2.31	-2.61

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

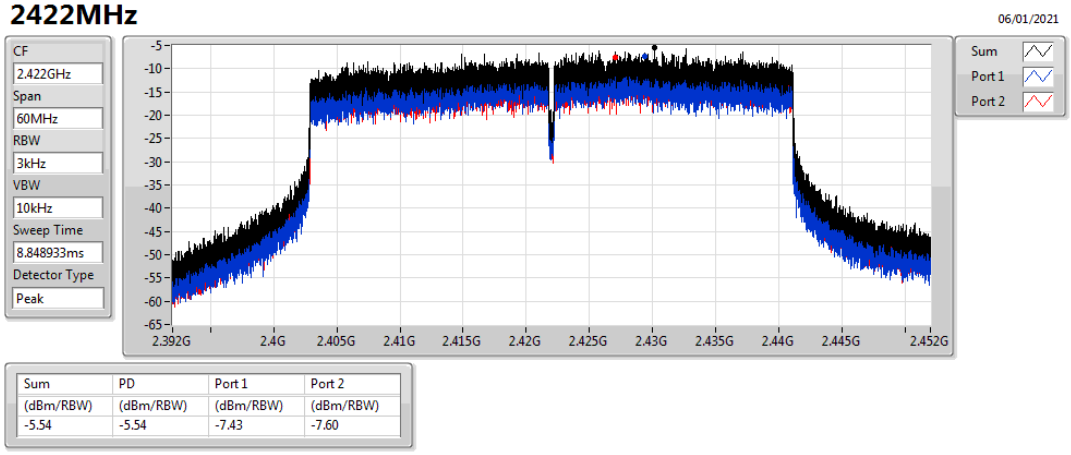
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.37	-4.37	-5.40	-5.36

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

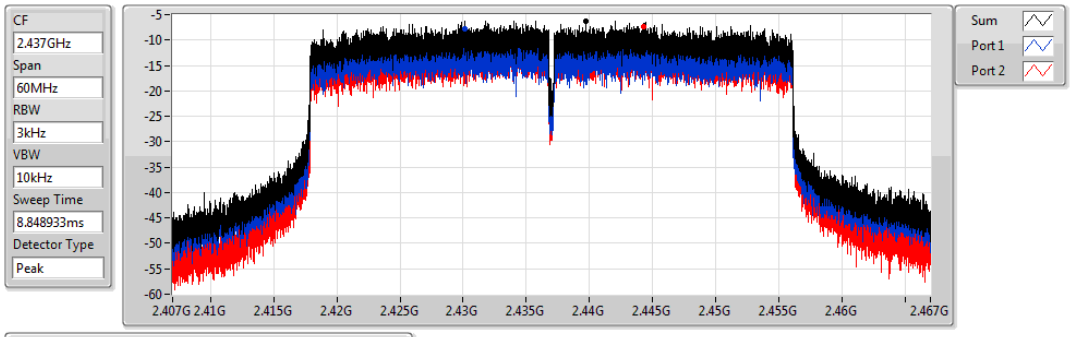
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.54	-5.54	-7.43	-7.60

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

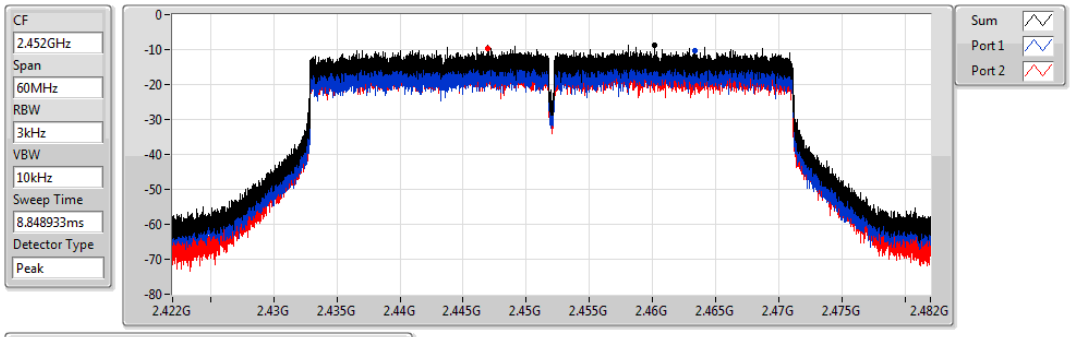
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.23	-6.23	-7.69	-7.43

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.83	-8.83	-10.25	-9.75

Summary

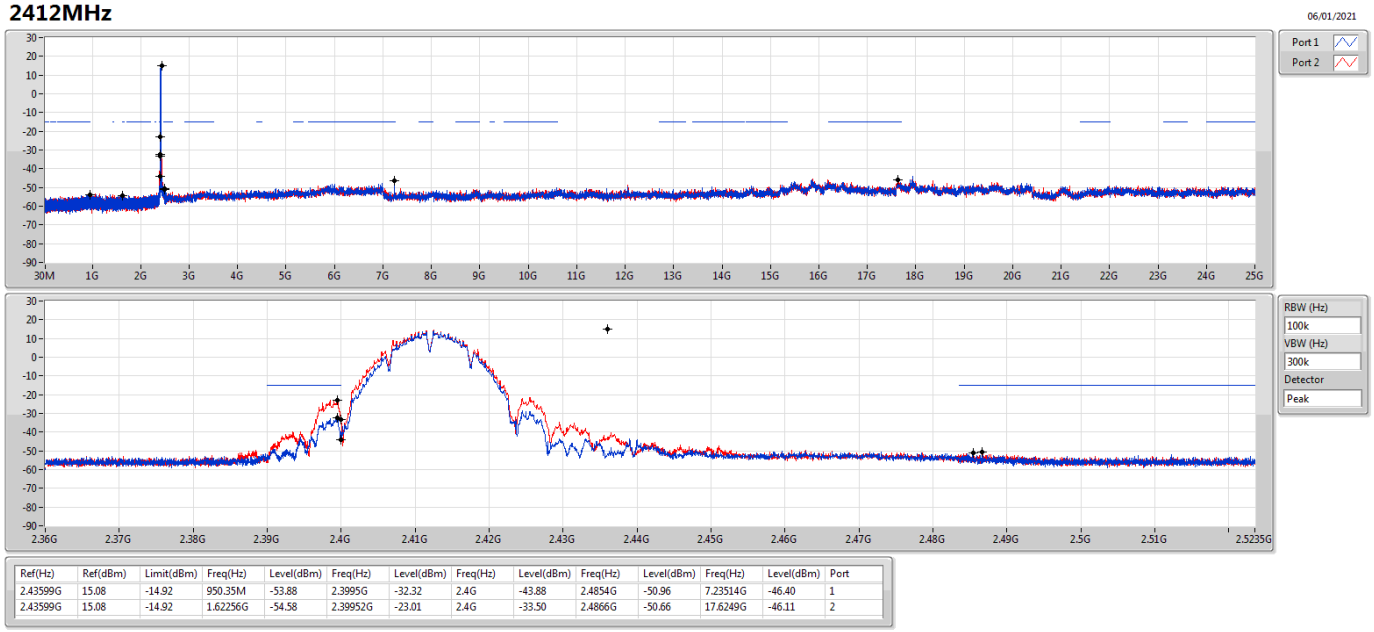
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43599G	15.08	-14.92	1.62256G	-54.58	2.39952G	-23.01	2.4G	-33.50	2.4866G	-50.66	17.6249G	-46.11	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.442G	13.49	-16.51	1.65343G	-53.14	2.3995G	-18.54	2.4G	-20.48	2.48448G	-51.43	17.63895G	-46.05	2
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.43574G	13.07	-16.93	2.01137G	-52.70	2.39978G	-19.60	2.4G	-21.05	2.48416G	-51.71	16.35498G	-46.60	2
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	2.43198G	8.50	-21.50	2.10617G	-53.53	2.39972G	-23.53	2.4G	-25.38	2.48702G	-45.34	16.47693G	-47.13	2

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43599G	15.08	-14.92	950.35M	-53.88	2.3995G	-32.32	2.4G	-43.88	2.4854G	-50.96	7.23514G	-46.40	1
2412MHz	Pass	2.43599G	15.08	-14.92	1.62256G	-54.58	2.39952G	-23.01	2.4G	-33.50	2.4866G	-50.66	17.6249G	-46.11	2
2437MHz	Pass	2.43599G	15.08	-14.92	867.93M	-53.22	2.39994G	-50.93	2.4G	-53.33	2.51428G	-52.16	16.30721G	-46.09	1
2437MHz	Pass	2.43599G	15.08	-14.92	2.30525G	-52.78	2.39934G	-49.81	2.4G	-51.57	2.48828G	-49.80	17.66985G	-44.29	2
2462MHz	Pass	2.43599G	15.08	-14.92	2.15292G	-53.30	2.39042G	-52.79	2.4835G	-48.18	2.48898G	-46.39	16.47298G	-46.81	1
2462MHz	Pass	2.43599G	15.08	-14.92	1.89371G	-52.96	2.39234G	-52.46	2.4835G	-41.22	2.4835G	-41.09	16.45331G	-46.76	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.442G	13.49	-16.51	2.15933G	-53.28	2.39988G	-20.17	2.4G	-23.11	2.4869G	-50.70	16.48141G	-45.51	1
2412MHz	Pass	2.442G	13.49	-16.51	1.65343G	-53.14	2.3995G	-18.54	2.4G	-20.48	2.48448G	-51.43	17.63895G	-46.05	2
2437MHz	Pass	2.442G	13.49	-16.51	2.30117G	-54.33	2.39984G	-44.10	2.4G	-48.39	2.48512G	-49.19	17.60804G	-46.77	1
2437MHz	Pass	2.442G	13.49	-16.51	950.64M	-53.63	2.3989G	-48.55	2.4G	-49.90	2.48554G	-50.48	17.63052G	-45.41	2
2462MHz	Pass	2.442G	13.49	-16.51	1.98225G	-53.86	2.39436G	-52.05	2.4835G	-42.73	2.4835G	-41.15	17.68671G	-47.04	1
2462MHz	Pass	2.442G	13.49	-16.51	896.47M	-53.03	2.39232G	-52.21	2.4835G	-43.34	2.4845G	-42.08	16.43926G	-47.04	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	13.07	-16.93	527.16M	-54.05	2.3997G	-22.71	2.4G	-21.80	2.48366G	-50.77	17.60523G	-46.29	1
2412MHz	Pass	2.43574G	13.07	-16.93	2.01137G	-52.70	2.39978G	-19.60	2.4G	-21.05	2.48416G	-51.71	16.35498G	-46.60	2
2437MHz	Pass	2.43574G	13.07	-16.93	2.30758G	-53.60	2.39986G	-42.12	2.4G	-44.79	2.48424G	-48.81	17.60242G	-45.88	1
2437MHz	Pass	2.43574G	13.07	-16.93	1.93623G	-54.01	2.39976G	-46.33	2.4G	-47.73	2.48688G	-50.55	16.43926G	-46.43	2
2462MHz	Pass	2.43574G	13.07	-16.93	1.92167G	-53.40	2.39518G	-52.62	2.4835G	-41.78	2.48354G	-40.48	17.61366G	-46.13	1
2462MHz	Pass	2.43574G	13.07	-16.93	579.88M	-53.10	2.39472G	-51.48	2.4835G	-45.12	2.48442G	-42.40	17.67266G	-45.59	2
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43198G	8.50	-21.50	2.17802G	-53.14	2.39952G	-26.13	2.4G	-28.11	2.48694G	-48.34	17.60998G	-46.56	1
2422MHz	Pass	2.43198G	8.50	-21.50	2.10617G	-53.53	2.39972G	-23.53	2.4G	-25.38	2.48702G	-45.34	16.47693G	-47.13	2
2437MHz	Pass	2.43198G	8.50	-21.50	1.88175G	-53.28	2.39952G	-25.04	2.4G	-32.11	2.48574G	-34.79	17.68851G	-44.66	1
2437MHz	Pass	2.43198G	8.50	-21.50	1.75494G	-53.75	2.39952G	-29.25	2.4G	-37.14	2.48446G	-38.14	16.46852G	-46.93	2
2452MHz	Pass	2.43198G	8.50	-21.50	2.12363G	-52.41	2.39868G	-52.02	2.4835G	-43.30	2.4845G	-37.00	17.61839G	-46.22	1
2452MHz	Pass	2.43198G	8.50	-21.50	420.73M	-53.85	2.39848G	-52.51	2.4835G	-47.55	2.48818G	-42.86	16.23294G	-46.38	2

802.11b_Nss1,(1Mbps)_2TX **CSE NdB**

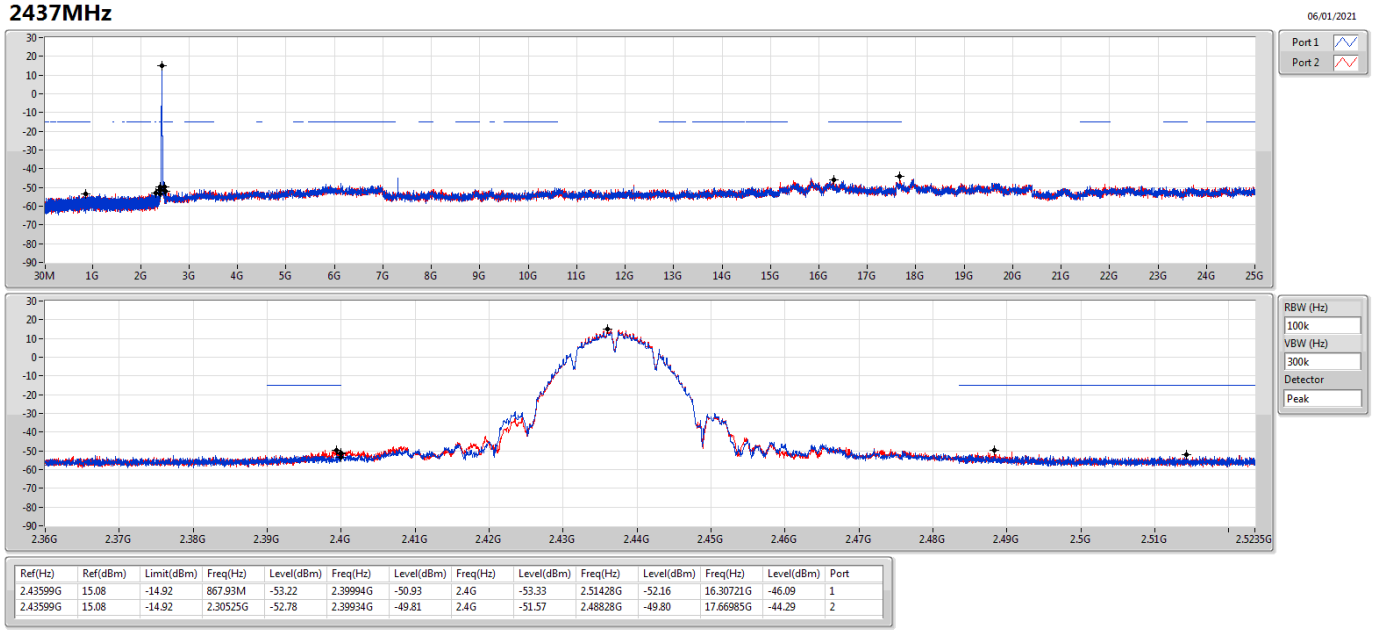
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43599G	15.08	-14.92	950.35M	-53.88	2.3995G	-32.32	2.4G	-43.88	2.4854G	-50.96	7.23514G	-46.40	1
2.43599G	15.08	-14.92	1.62256G	-54.58	2.39952G	-23.01	2.4G	-33.50	2.4866G	-50.66	17.6249G	-46.11	2

802.11b_Nss1,(1Mbps)_2TX **CSE NdB**

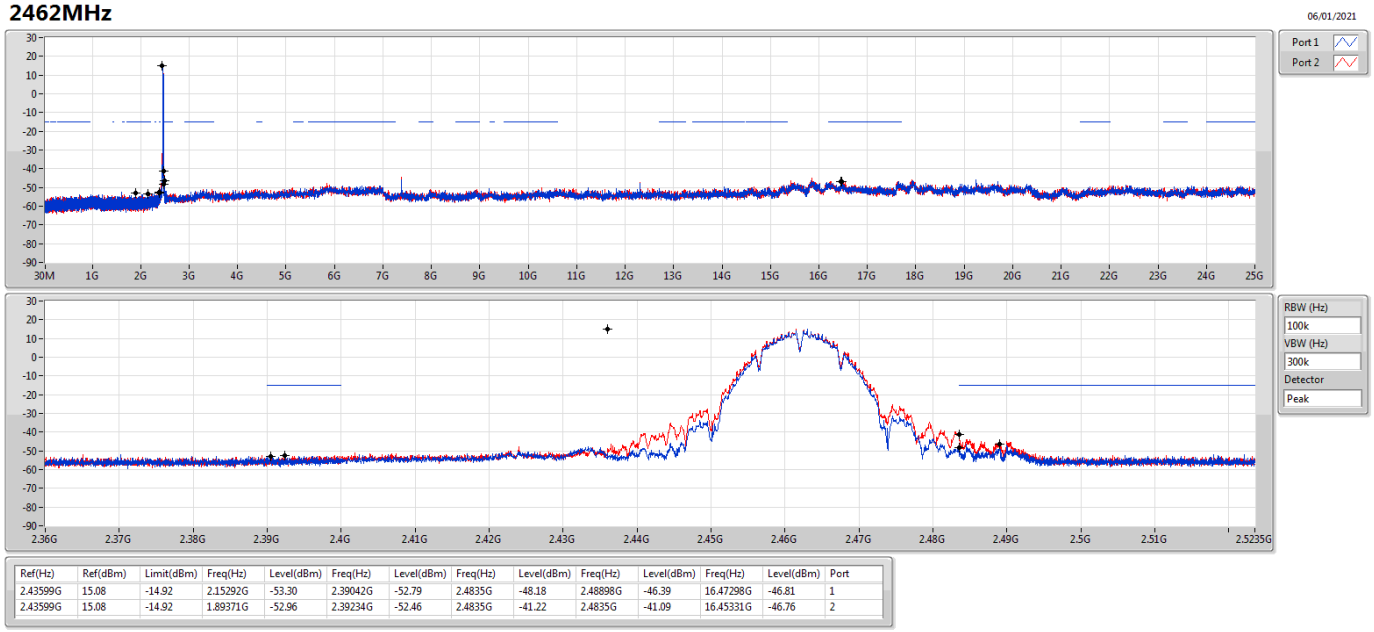
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43599G	15.08	-14.92	867.93M	-53.22	2.39994G	-50.93	2.4G	-53.33	2.51428G	-52.16	16.30721G	-46.09	1
2.43599G	15.08	-14.92	2.30525G	-52.78	2.39934G	-49.81	2.4G	-51.57	2.48828G	-49.80	17.66985G	-44.29	2

802.11b_Nss1,(1Mbps)_2TX **CSE NdB**

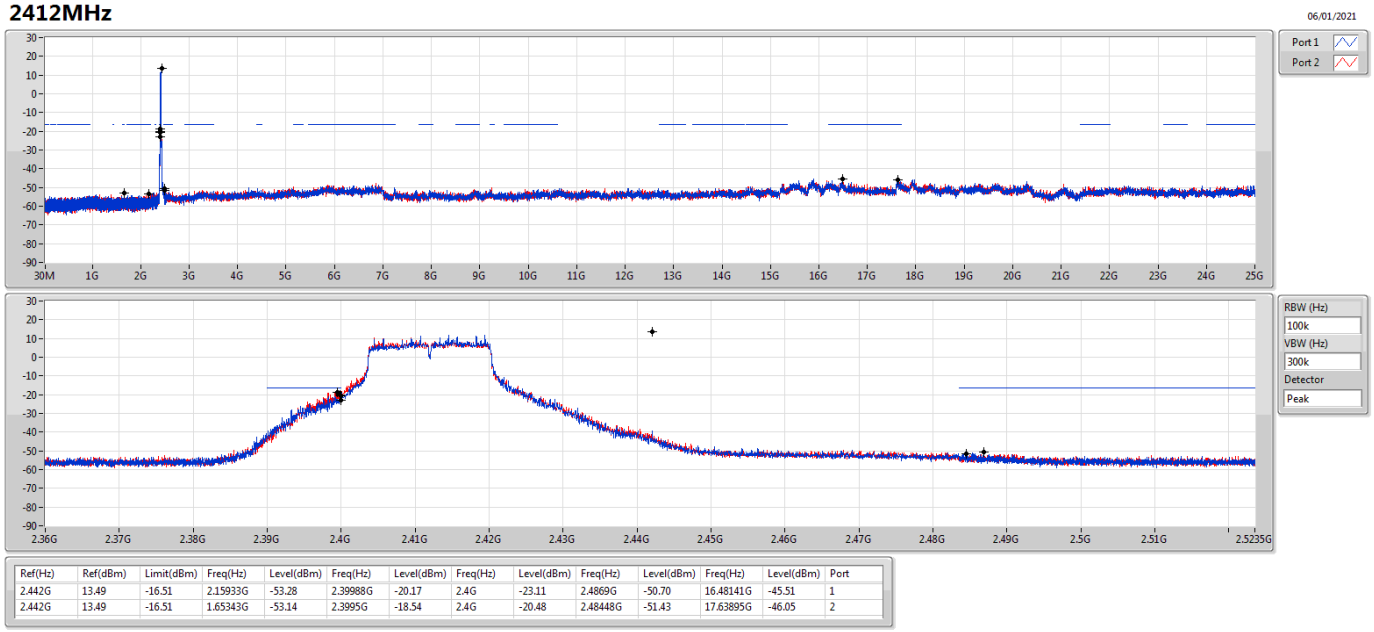
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43599G	15.08	-14.92	2.15292G	-53.30	2.39042G	-52.79	2.4835G	-48.18	2.48898G	-46.39	16.47298G	-46.81	1
2.43599G	15.08	-14.92	1.89371G	-52.96	2.39234G	-52.46	2.4835G	-41.22	2.4835G	-41.09	16.45331G	-46.76	2

802.11g_Nss1,(6Mbps)_2TX **CSE NdB**

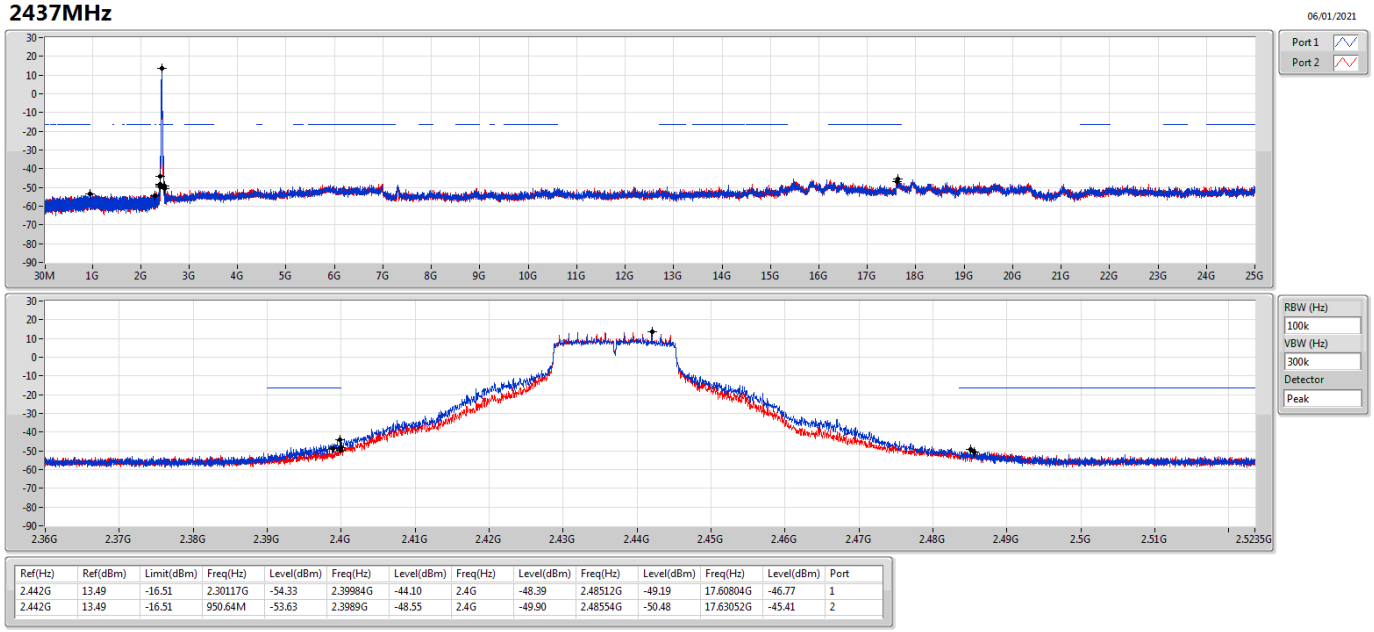
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442G	13.49	-16.51	2.15933G	-53.28	2.39988G	-20.17	2.4G	-23.11	2.4869G	-50.70	16.48141G	-45.51	1
2.442G	13.49	-16.51	1.65343G	-53.14	2.3995G	-18.54	2.4G	-20.48	2.48448G	-51.43	17.63895G	-46.05	2

802.11g_Nss1,(6Mbps)_2TX **CSE NdB**

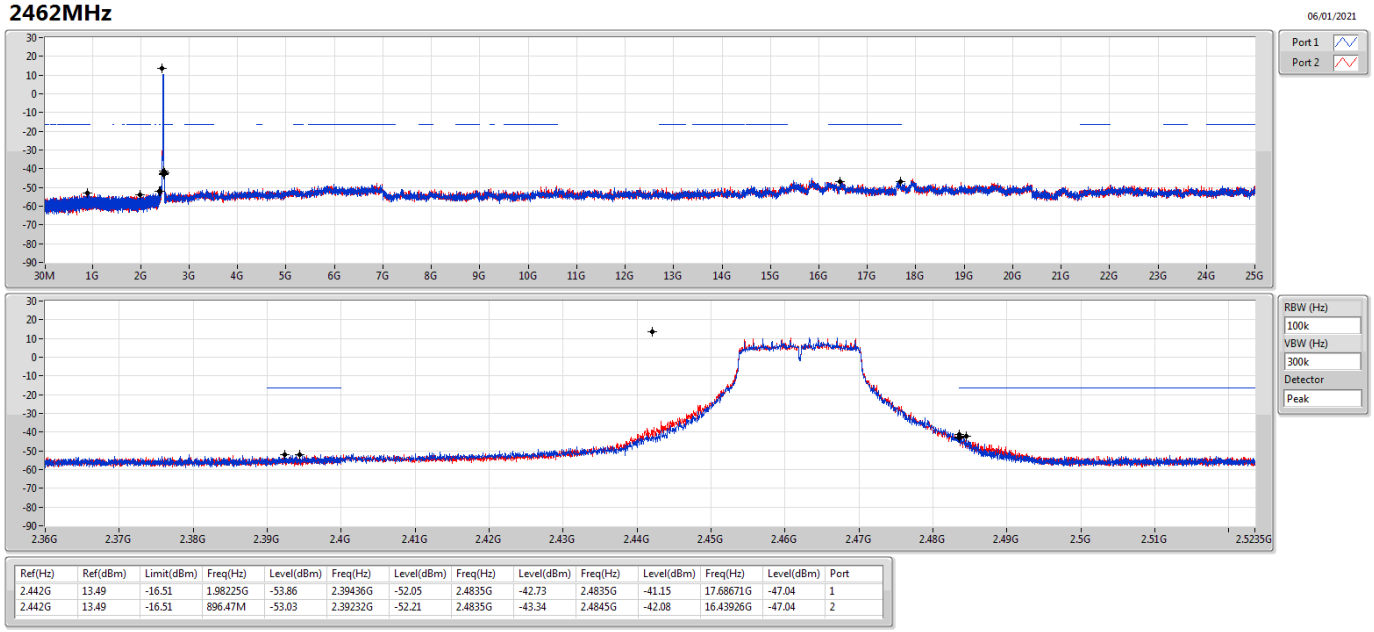
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442G	13.49	-16.51	2.30117G	-54.33	2.39984G	-44.10	2.4G	-48.39	2.48512G	-49.19	17.60804G	-46.77	1
2.442G	13.49	-16.51	950.64M	-53.63	2.3989G	-48.55	2.4G	-49.90	2.48554G	-50.48	17.63052G	-45.41	2

802.11g_Nss1,(6Mbps)_2TX **CSE NdB**

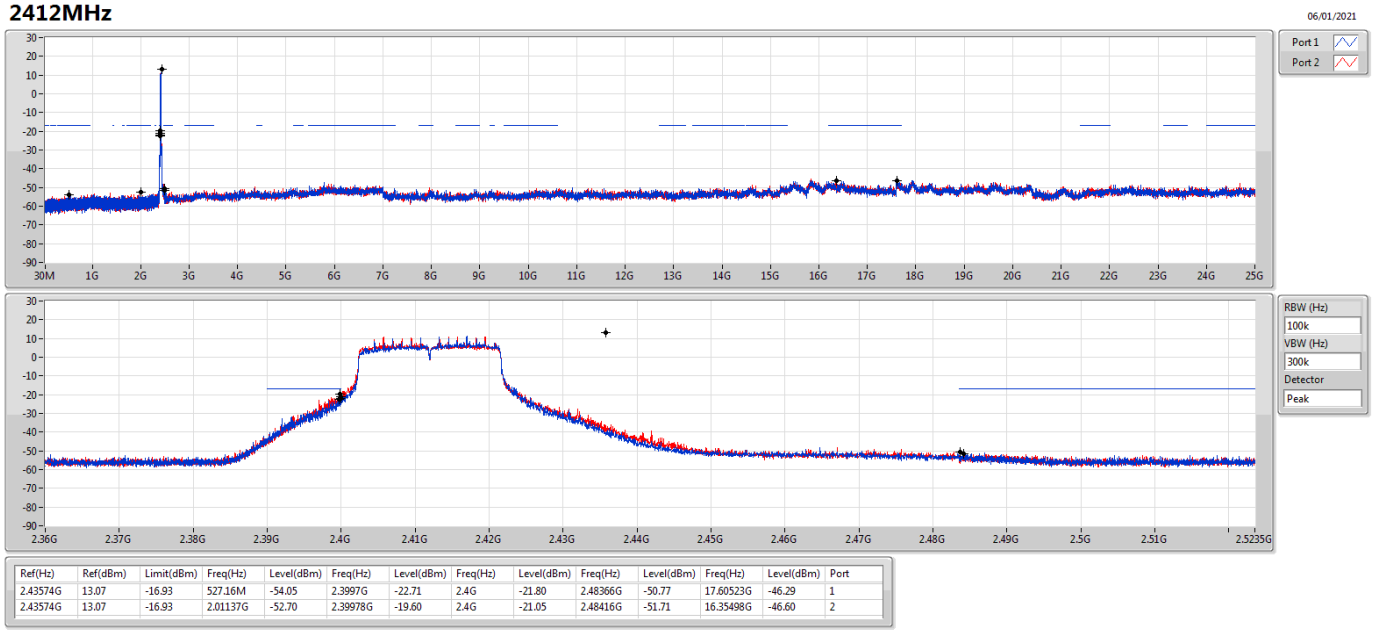
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442G	13.49	-16.51	1.98225G	-53.86	2.39436G	-52.05	2.4835G	-42.73	2.4835G	-41.15	17.68671G	-47.04	1
2.442G	13.49	-16.51	896.47M	-53.03	2.39232G	-52.21	2.4835G	-43.34	2.4845G	-42.08	16.43926G	-47.04	2

802.11ax HEW20_Nss1,(MCS0)_2TX **CSE NdB**

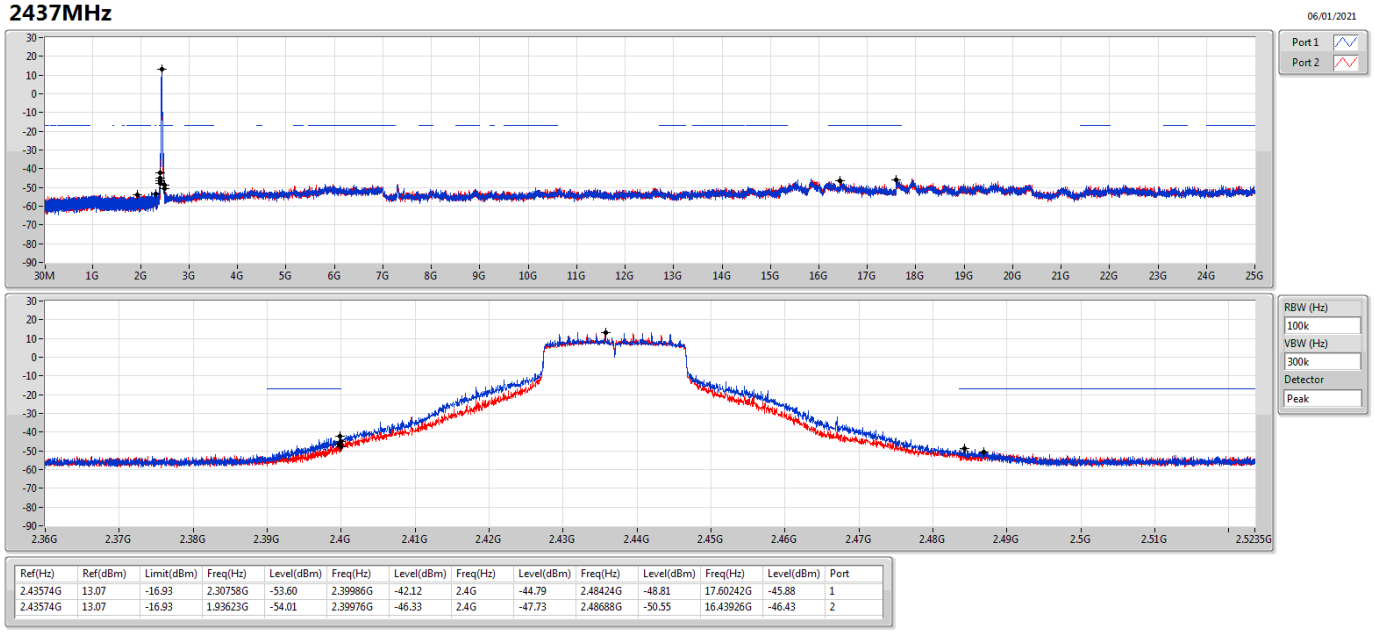
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	13.07	-16.93	527.16M	-54.05	2.3997G	-22.71	2.4G	-21.80	2.48366G	-50.77	17.60523G	-46.29	1
2.43574G	13.07	-16.93	2.01137G	-52.70	2.39978G	-19.60	2.4G	-21.05	2.48416G	-51.71	16.35498G	-46.60	2

802.11ax HEW20_Nss1,(MCS0)_2TX **CSE NdB**

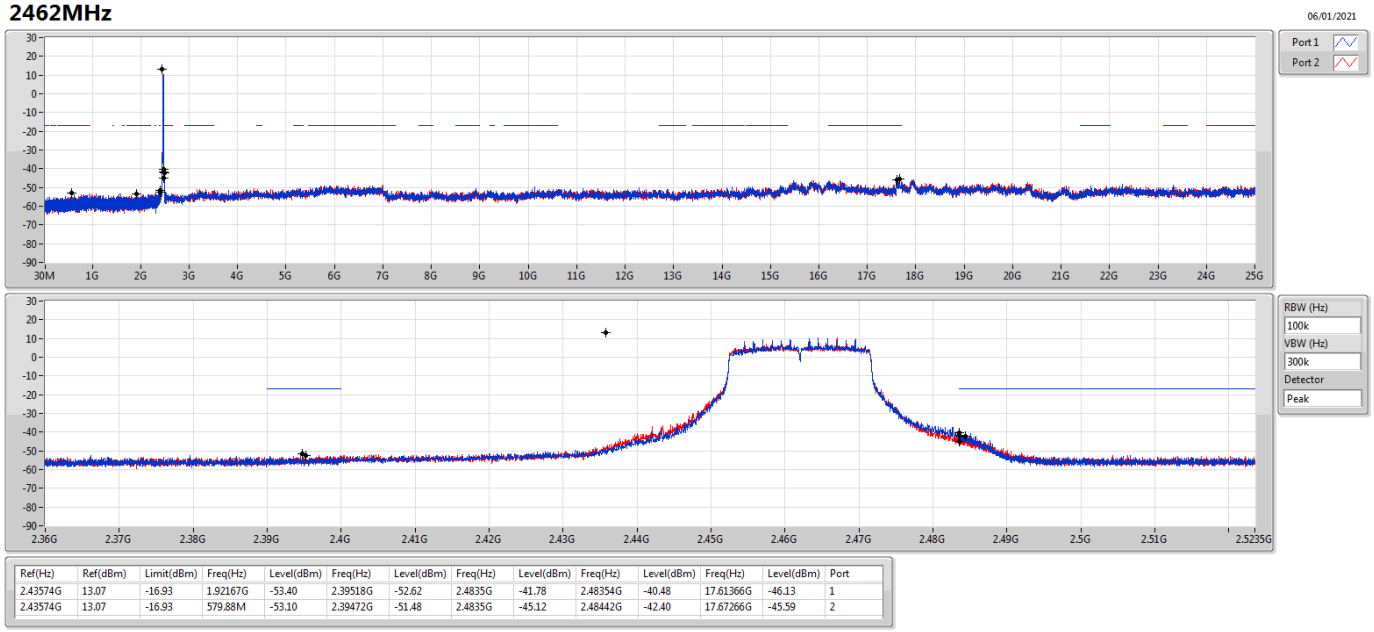
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	13.07	-16.93	2.30758G	-53.60	2.39986G	-42.12	2.4G	-44.79	2.48424G	-48.81	17.60242G	-45.88	1
2.43574G	13.07	-16.93	1.93623G	-54.01	2.39976G	-46.33	2.4G	-47.73	2.48688G	-50.55	16.43926G	-46.43	2

802.11ax HEW20_Nss1,(MCS0)_2TX **CSE NdB**

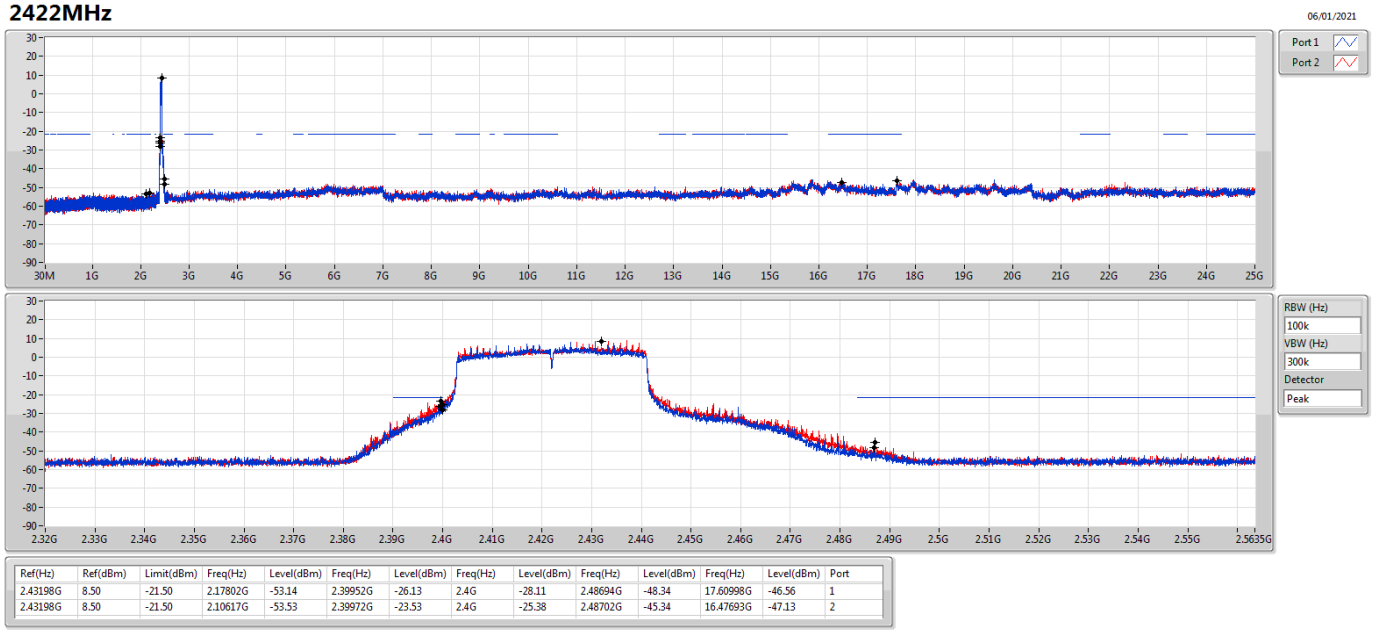
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	13.07	-16.93	1.92167G	-53.40	2.39518G	-52.62	2.4835G	-41.78	2.48354G	-40.48	17.61366G	-46.13	1
2.43574G	13.07	-16.93	579.88M	-53.10	2.39472G	-51.48	2.4835G	-45.12	2.48442G	-42.40	17.67266G	-45.59	2

802.11ax HEW40_Nss1,(MCS0)_2TX **CSE NdB**

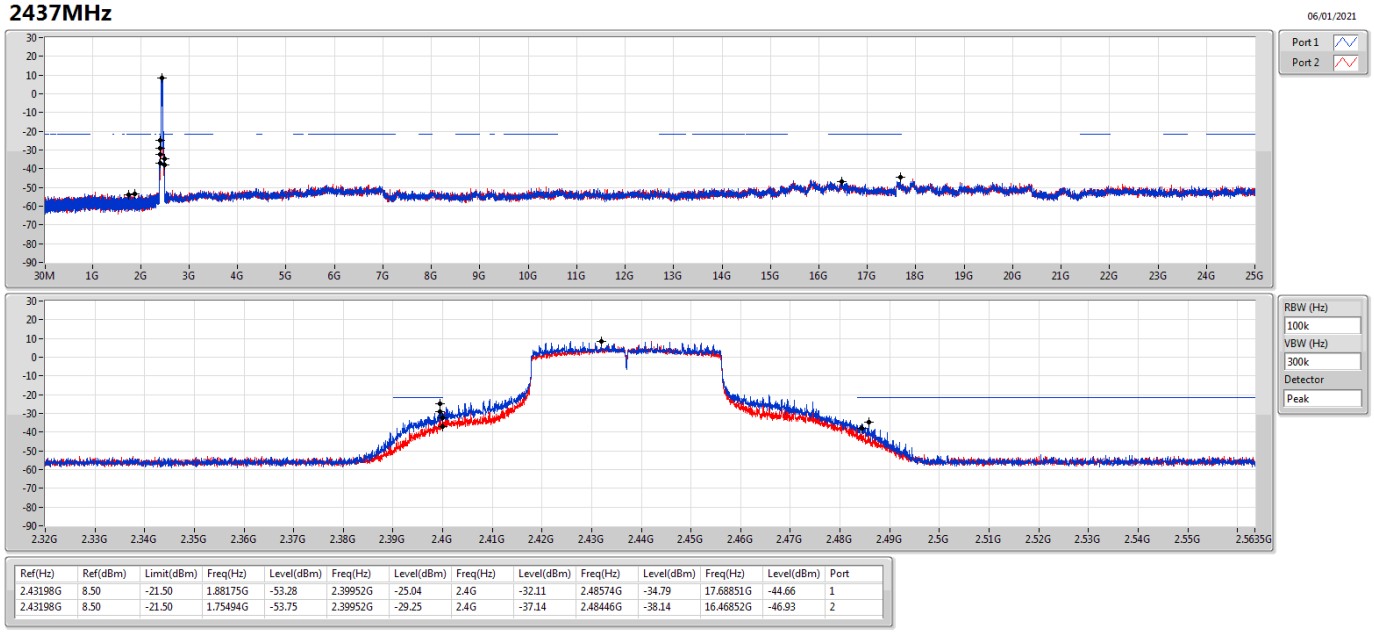
2422MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	8.50	-21.50	2.17802G	-53.14	2.39952G	-26.13	2.4G	-28.11	2.48694G	-48.34	17.60998G	-46.56	1
2.43198G	8.50	-21.50	2.10617G	-53.53	2.39972G	-23.53	2.4G	-25.38	2.48702G	-45.34	16.47693G	-47.13	2

802.11ax HEW40_Nss1,(MCS0)_2TX **CSE NdB**

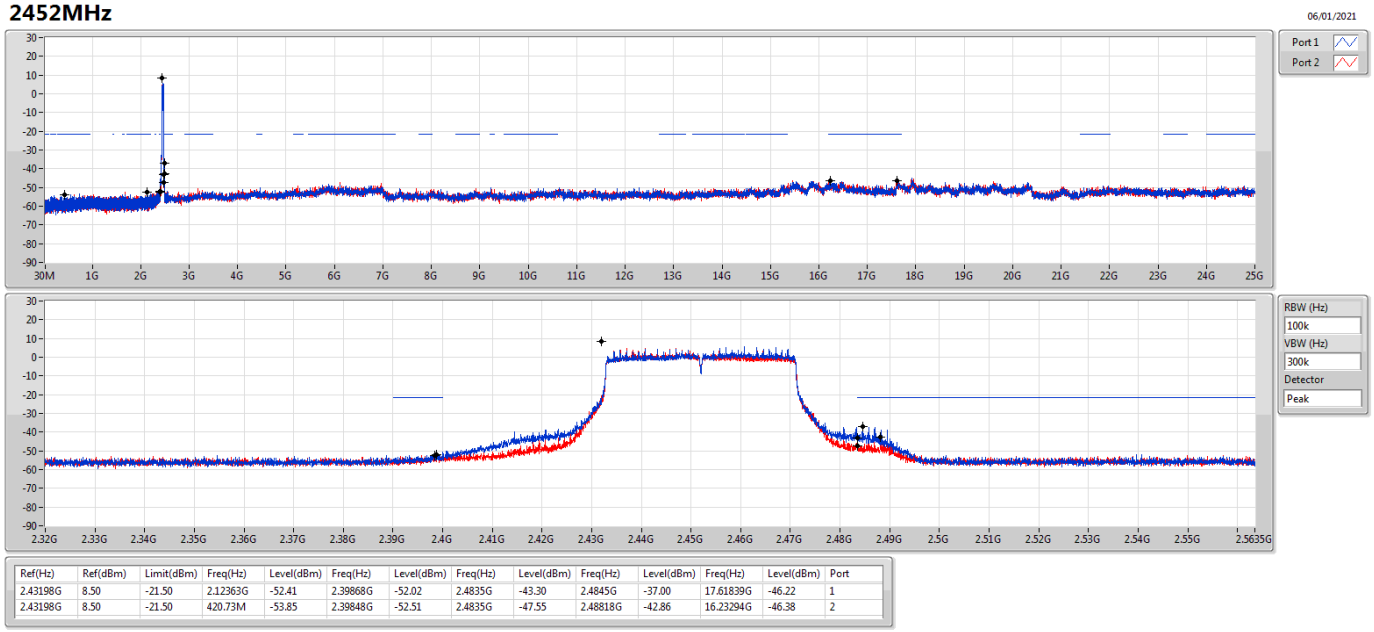
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	8.50	-21.50	1.88175G	-53.28	2.39952G	-25.04	2.4G	-32.11	2.48574G	-34.79	17.68851G	-44.66	1
2.43198G	8.50	-21.50	1.75494G	-53.75	2.39952G	-29.25	2.4G	-37.14	2.48446G	-38.14	16.46852G	-46.93	2

802.11ax HEW40_Nss1,(MCS0)_2TX **CSE NdB**

2452MHz



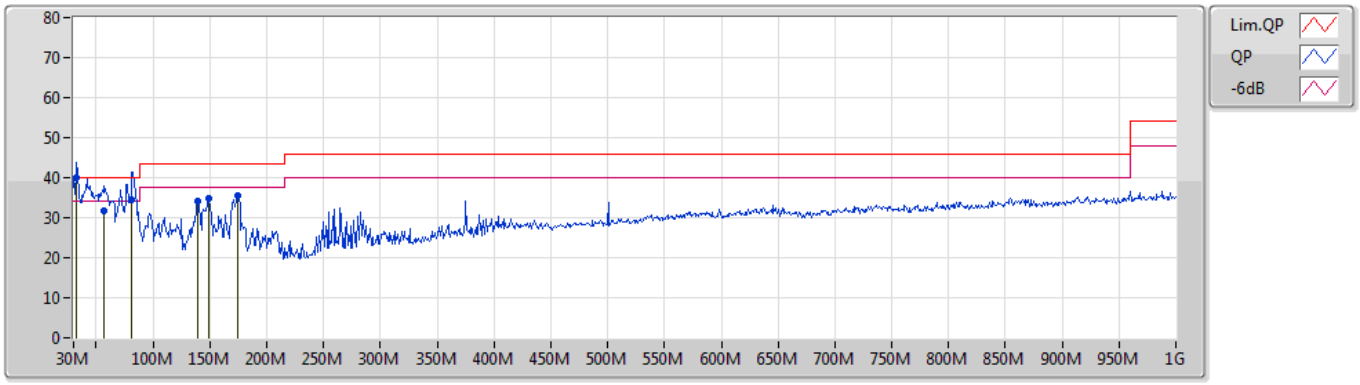
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	8.50	-21.50	2.12363G	-52.41	2.39868G	-52.02	2.4835G	-43.30	2.4845G	-37.00	17.61839G	-46.22	1
2.43198G	8.50	-21.50	420.73M	-53.85	2.39848G	-52.51	2.4835G	-47.55	2.48818G	-42.86	16.23294G	-46.38	2

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 4	Pass	QP	32.91M	39.85	40.00	-0.15	Vertical

Mode 4

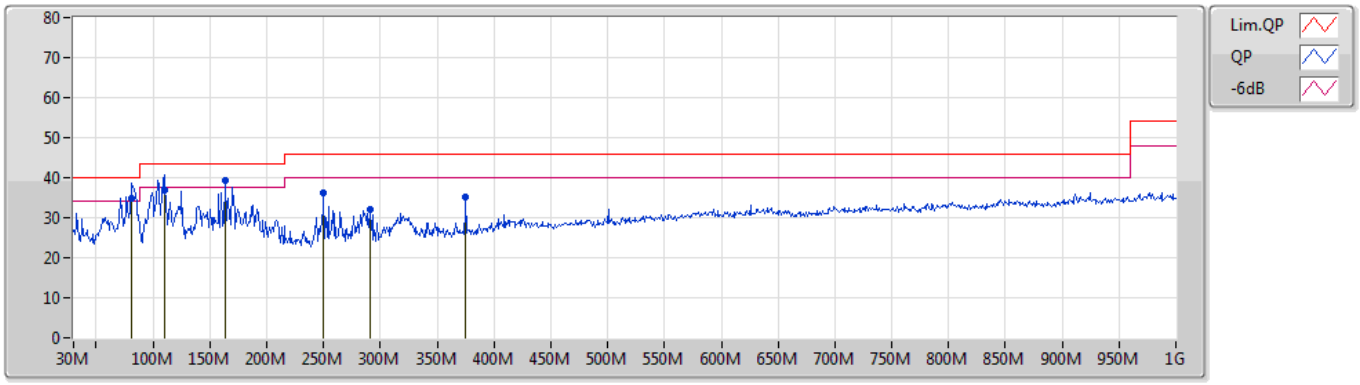
26/01/2021



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
QP	32.91M	39.85	40.00	-0.15	-9.15	3	Vertical	147	1.00	"Worst"	49.00	22.23	1.00	32.38
QP	57.16M	31.70	40.00	-8.30	-18.40	3	Vertical	89	1.00	-	50.10	12.64	1.34	32.38
QP	81.41M	34.58	40.00	-5.42	-17.72	3	Vertical	281	1.25	-	52.30	13.02	1.60	32.34
PK	139.61M	34.30	43.50	-9.20	-12.99	3	Vertical	360	1.00	-	47.29	17.21	2.10	32.30
PK	149.31M	34.87	43.50	-8.63	-13.58	3	Vertical	164	1.00	-	48.45	16.52	2.19	32.29
PK	174.53M	35.37	43.50	-8.13	-14.36	3	Vertical	165	1.00	-	49.73	15.51	2.37	32.24

Mode 4

26/01/2021



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
QP	81.41M	34.79	40.00	-5.21	-17.72	3	Horizontal	118	2.00	-	52.51	13.02	1.60	32.34
QP	109.54M	36.86	43.50	-6.64	-12.54	3	Horizontal	240	3.00	-	49.40	17.87	1.90	32.31
PK	163.86M	39.46	43.50	-4.04	-14.11	3	Horizontal	278	1.25	"Worst"	53.57	15.84	2.32	32.27
PK	250.19M	36.29	46.00	-9.71	-11.11	3	Horizontal	245	1.25	-	47.40	18.19	2.90	32.20
PK	290.93M	32.24	46.00	-13.76	-10.18	3	Horizontal	251	1.00	-	42.42	18.95	3.06	32.19
PK	375.32M	35.01	46.00	-10.99	-7.61	3	Horizontal	99	1.00	-	42.62	20.86	3.65	32.12

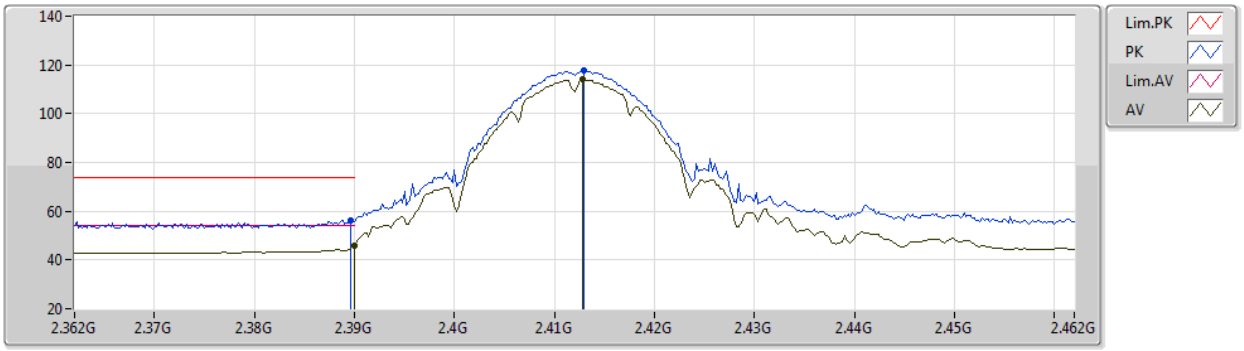
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11g_Nss1,(6Mbps)_2TX	Pass	AV	2.4835G	53.99	54.00	-0.01	3	Horizontal	314	2.25	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

31/12/2020



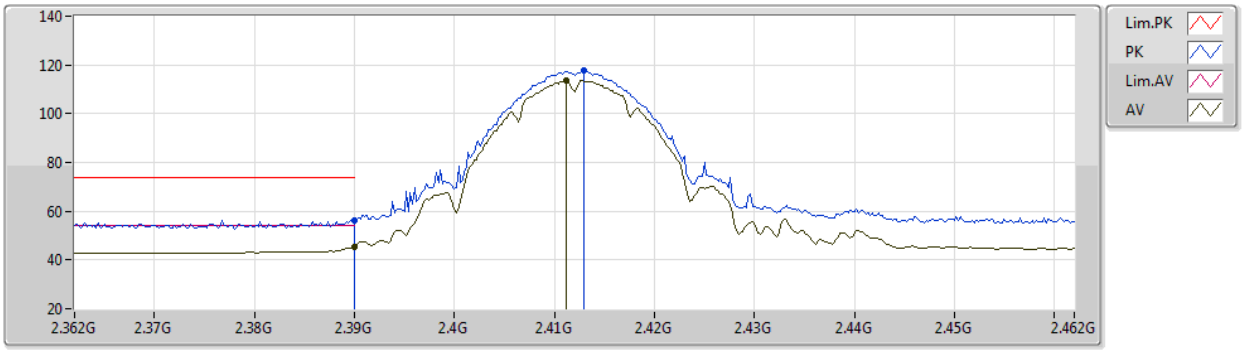
EUT Y_2TX
Setting 46
06-F-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3896G	56.25	74.00	-17.75	25.57	3	Vertical	324	2.60	-	27.60	3.08	-
AV	2.39G	46.11	54.00	-7.89	15.43	3	Vertical	324	2.60	-	27.60	3.08	-
PK	2.413G	117.88	Inf	-Inf	87.22	3	Vertical	324	2.60	-	27.55	3.11	-
AV	2.4128G	113.92	Inf	-Inf	83.26	3	Vertical	324	2.60	-	27.55	3.11	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

31/12/2020



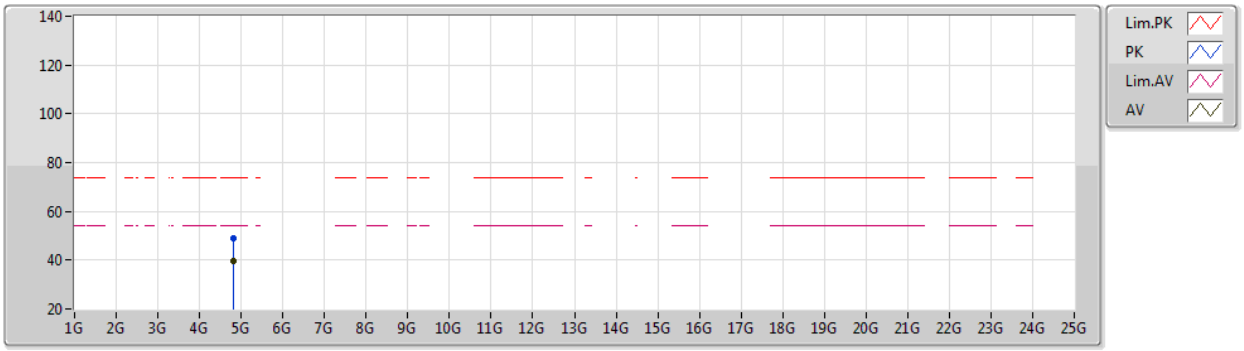
EUT Y_2TX
Setting 46
06-F-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	56.32	74.00	-17.68	25.64	3	Horizontal	304	1.70	-	27.60	3.08	-
AV	2.39G	45.28	54.00	-8.72	14.60	3	Horizontal	304	1.70	-	27.60	3.08	-
PK	2.413G	117.60	Inf	-Inf	86.94	3	Horizontal	304	1.70	-	27.55	3.11	-
AV	2.4112G	113.69	Inf	-Inf	83.02	3	Horizontal	304	1.70	-	27.56	3.11	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

31/12/2020



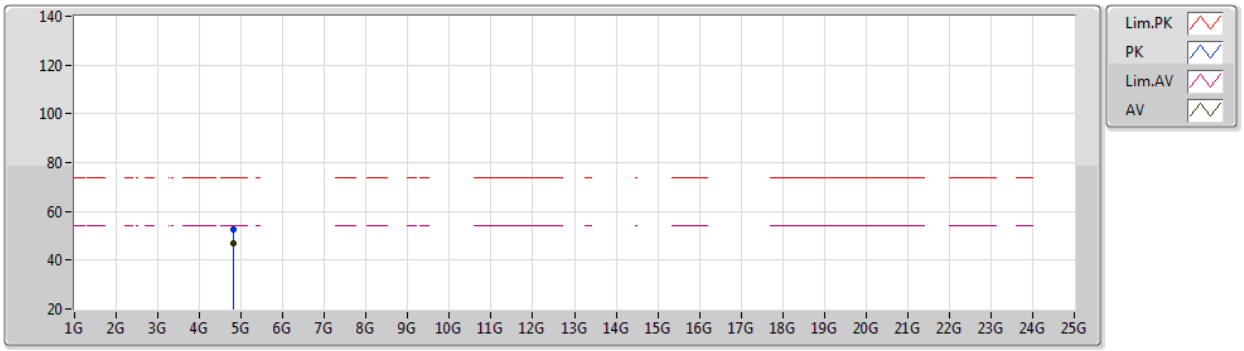
EUT Y_2TX
Setting 46
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82386G	49.09	74.00	-24.91	44.73	3	Vertical	288	1.80	-	31.10	5.00	31.74
AV	4.82402G	39.43	54.00	-14.57	35.07	3	Vertical	288	1.80	-	31.10	5.00	31.74

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

31/12/2020



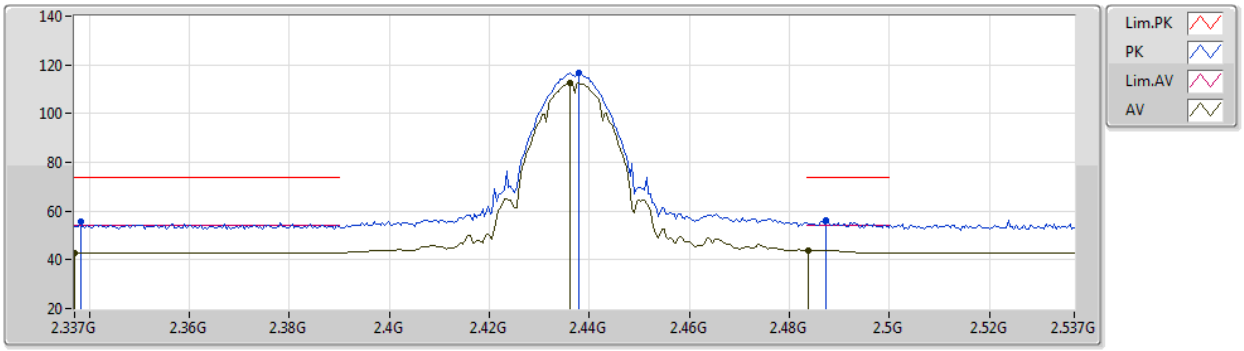
EUT Y_2TX
Setting 46
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.8239G	52.73	74.00	-21.27	48.37	3	Horizontal	293	1.92	-	31.10	5.00	31.74
AV	4.82398G	47.14	54.00	-6.86	42.78	3	Horizontal	293	1.92	-	31.10	5.00	31.74

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

31/12/2020



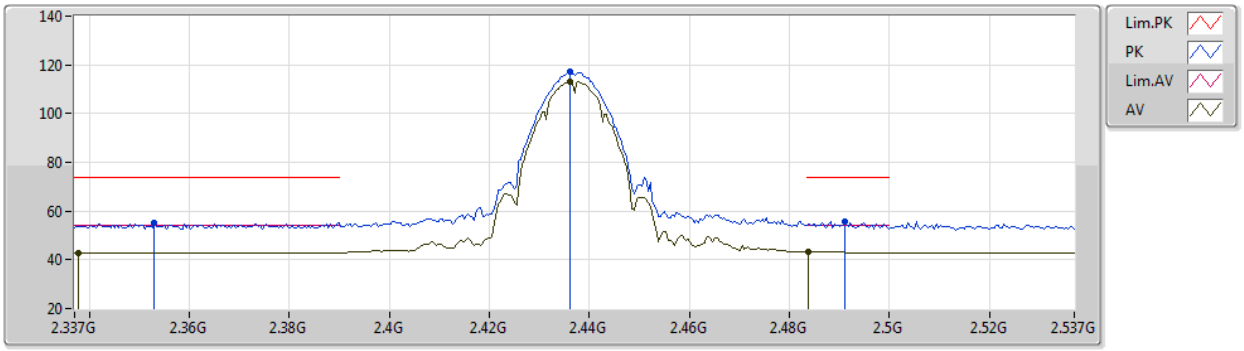
EUT Y_2TX
Setting 46
06-F-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3382G	55.77	74.00	-18.23	25.17	3	Vertical	316	2.27	-	27.62	2.98	-
AV	2.337G	42.97	54.00	-11.03	12.37	3	Vertical	316	2.27	-	27.63	2.97	-
PK	2.4378G	116.65	Inf	-Inf	86.06	3	Vertical	316	2.27	-	27.45	3.14	-
AV	2.4362G	112.74	Inf	-Inf	82.14	3	Vertical	316	2.27	-	27.46	3.14	-
PK	2.4874G	56.21	74.00	-17.79	25.62	3	Vertical	316	2.27	-	27.40	3.19	-
AV	2.4838G	43.97	54.00	-10.03	13.39	3	Vertical	316	2.27	-	27.40	3.18	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

31/12/2020



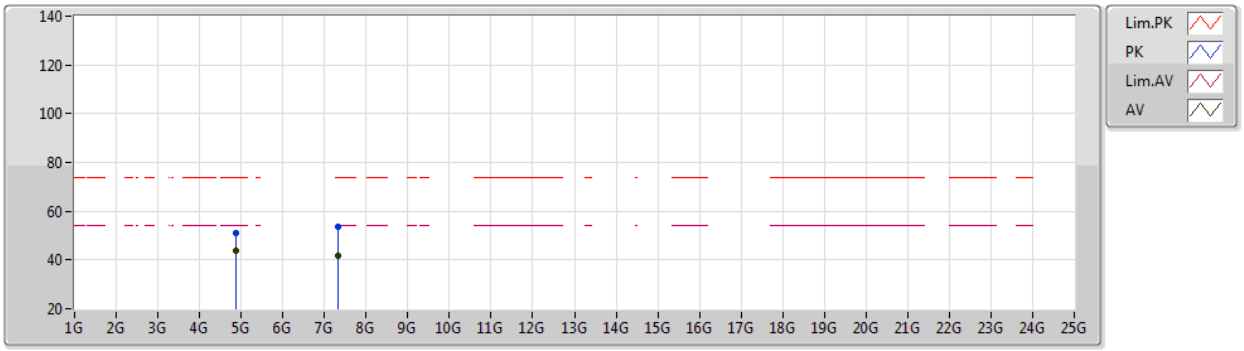
EUT Y_2TX
Setting 46
06-F-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.353G	55.07	74.00	-18.93	24.46	3	Horizontal	318	1.67	-	27.60	3.01	-
AV	2.3378G	42.96	54.00	-11.04	12.36	3	Horizontal	318	1.67	-	27.62	2.98	-
PK	2.4362G	117.04	Inf	-Inf	86.44	3	Horizontal	318	1.67	-	27.46	3.14	-
AV	2.4362G	113.29	Inf	-Inf	82.69	3	Horizontal	318	1.67	-	27.46	3.14	-
PK	2.491G	55.74	74.00	-18.26	25.15	3	Horizontal	318	1.67	-	27.40	3.19	-
AV	2.4838G	43.37	54.00	-10.63	12.79	3	Horizontal	318	1.67	-	27.40	3.18	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

31/12/2020



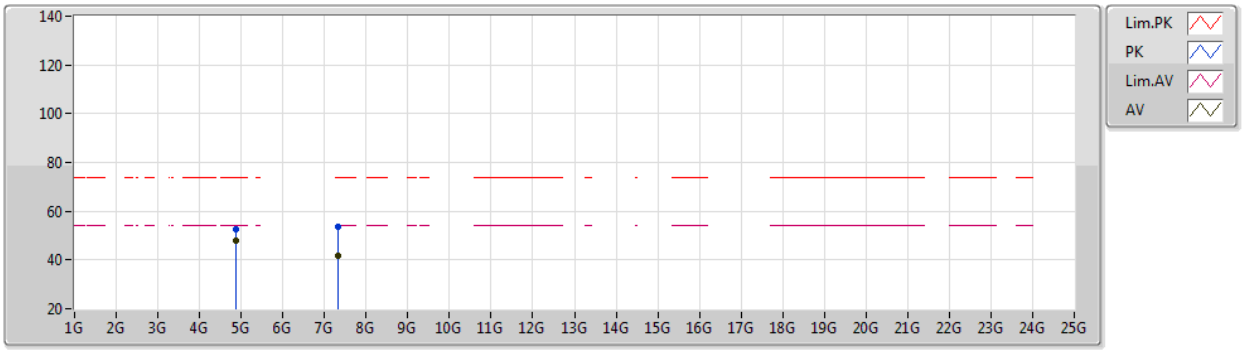
EUT Y_2TX
Setting 46
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87406G	51.28	74.00	-22.72	46.81	3	Vertical	323	2.23	-	31.15	5.00	31.68
AV	4.87402G	44.01	54.00	-9.99	39.54	3	Vertical	323	2.23	-	31.15	5.00	31.68
PK	7.3119G	53.57	74.00	-20.43	44.28	3	Vertical	35	1.63	-	36.35	6.10	33.16
AV	7.31178G	41.51	54.00	-12.49	32.22	3	Vertical	35	1.63	-	36.35	6.10	33.16

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

31/12/2020



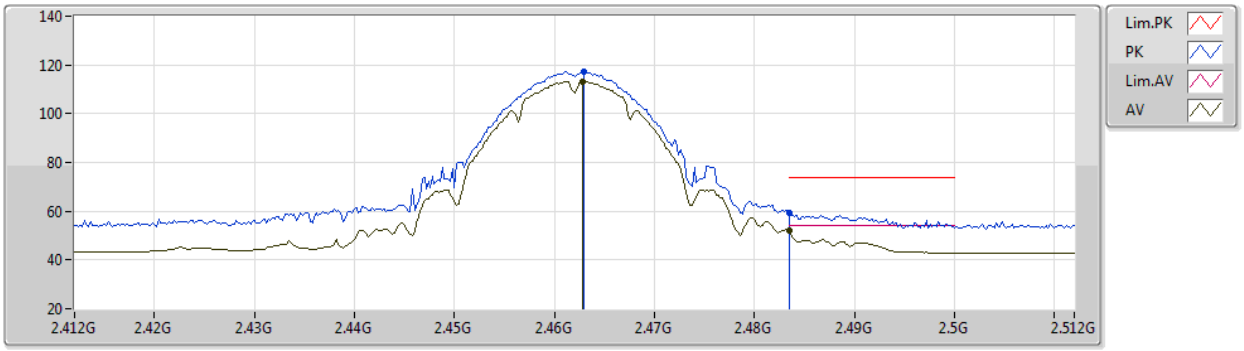
EUT Y_2TX
Setting 46
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87408G	52.74	74.00	-21.26	48.27	3	Horizontal	45	1.03	-	31.15	5.00	31.68
AV	4.87398G	47.79	54.00	-6.21	43.32	3	Horizontal	45	1.03	-	31.15	5.00	31.68
PK	7.31238G	53.67	74.00	-20.33	44.38	3	Horizontal	333	1.73	-	36.35	6.10	33.16
AV	7.31168G	41.91	54.00	-12.09	32.62	3	Horizontal	333	1.73	-	36.35	6.10	33.16

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

31/12/2020



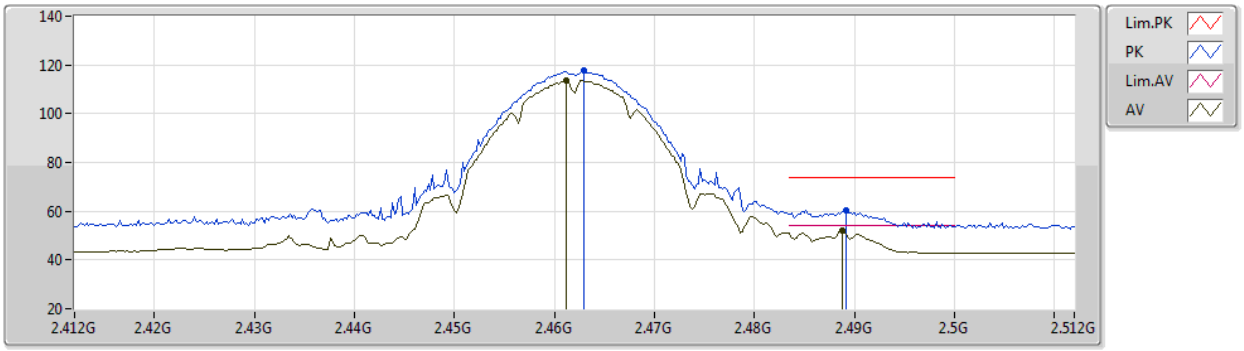
EUT Y_2TX
Setting 46
06-F-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.463G	117.34	Inf	-Inf	86.78	3	Vertical	311	2.53	-	27.40	3.16	-
AV	2.4628G	113.35	Inf	-Inf	82.79	3	Vertical	311	2.53	-	27.40	3.16	-
PK	2.4835G	59.39	74.00	-14.61	28.81	3	Vertical	311	2.53	-	27.40	3.18	-
AV	2.4835G	52.31	54.00	-1.69	21.73	3	Vertical	311	2.53	-	27.40	3.18	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

31/12/2020



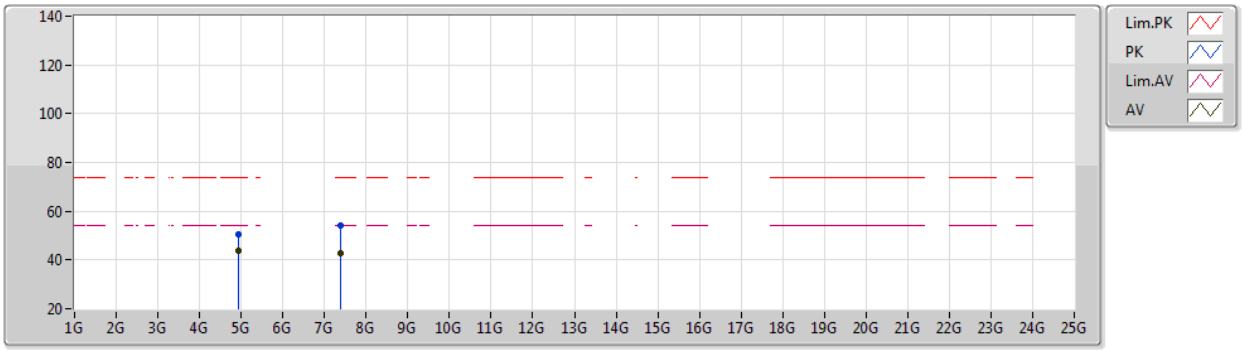
EUT Y_2TX
Setting 46
06-F-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.463G	117.51	Inf	-Inf	86.95	3	Horizontal	308	2.02	-	27.40	3.16	-
AV	2.4612G	113.45	Inf	-Inf	82.89	3	Horizontal	308	2.02	-	27.40	3.16	-
PK	2.4892G	60.38	74.00	-13.62	29.79	3	Horizontal	308	2.02	-	27.40	3.19	-
AV	2.4888G	52.10	54.00	-1.90	21.51	3	Horizontal	308	2.02	-	27.40	3.19	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

31/12/2020



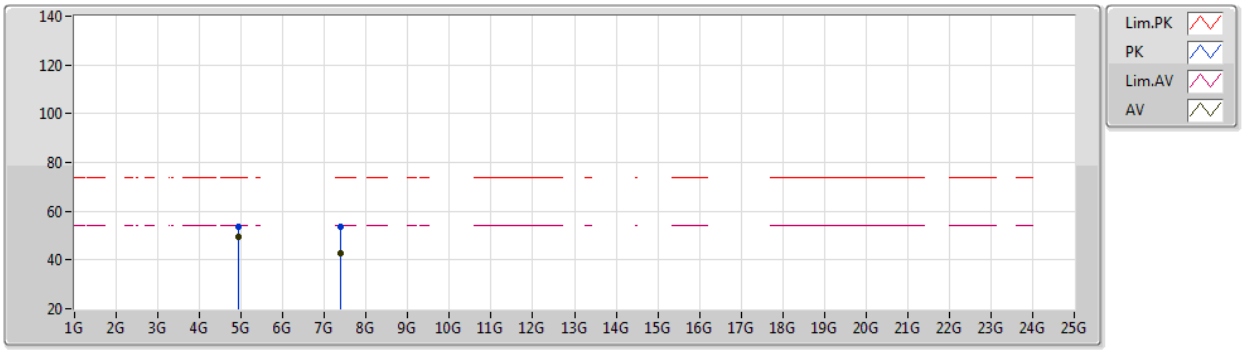
EUT Y_2TX
Setting 46
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92388G	50.73	74.00	-23.27	46.15	3	Vertical	57	2.36	-	31.20	5.00	31.62
AV	4.92398G	44.02	54.00	-9.98	39.44	3	Vertical	57	2.36	-	31.20	5.00	31.62
PK	7.3869G	53.96	74.00	-20.04	44.86	3	Vertical	36	1.76	-	36.20	6.10	33.20
AV	7.38676G	42.99	54.00	-11.01	33.89	3	Vertical	36	1.76	-	36.20	6.10	33.20

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

31/12/2020



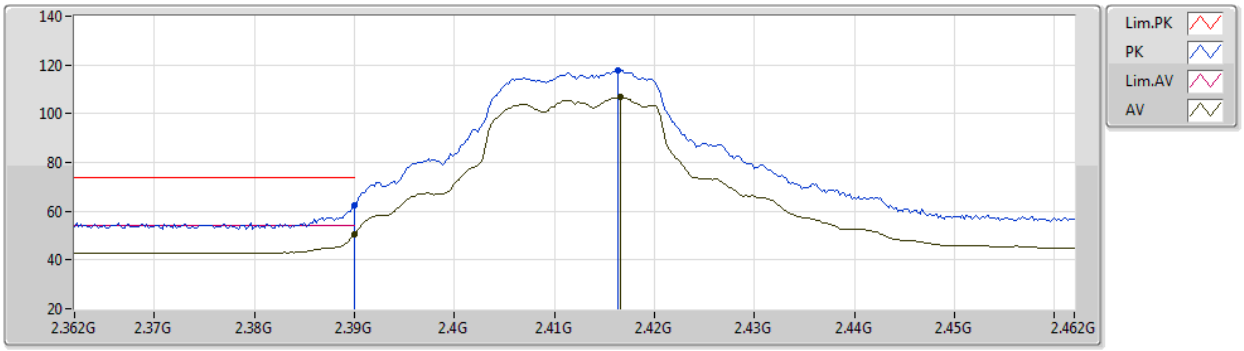
EUT Y_2TX
Setting 46
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92396G	53.39	74.00	-20.61	48.81	3	Horizontal	46	1.69	-	31.20	5.00	31.62
AV	4.924G	49.60	54.00	-4.40	45.02	3	Horizontal	46	1.69	-	31.20	5.00	31.62
PK	7.38622G	53.56	74.00	-20.44	44.46	3	Horizontal	334	1.58	-	36.20	6.10	33.20
AV	7.38678G	42.59	54.00	-11.41	33.49	3	Horizontal	334	1.58	-	36.20	6.10	33.20

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

31/12/2020



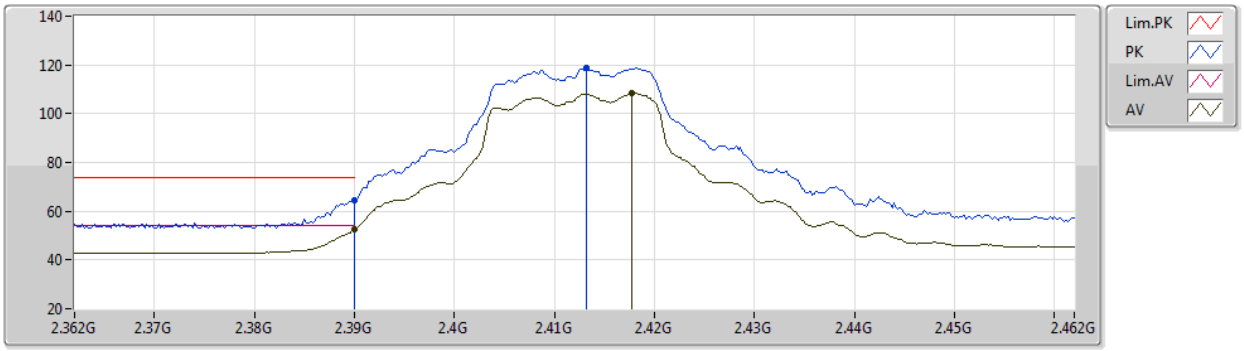
EUT Y_2TX
Setting 43
06-F-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	62.50	74.00	-11.50	31.82	3	Vertical	322	2.34	-	27.60	3.08	-
AV	2.39G	50.77	54.00	-3.23	20.09	3	Vertical	322	2.34	-	27.60	3.08	-
PK	2.4164G	117.62	Inf	-Inf	86.97	3	Vertical	322	2.34	-	27.53	3.12	-
AV	2.4166G	106.69	Inf	-Inf	76.04	3	Vertical	322	2.34	-	27.53	3.12	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

31/12/2020



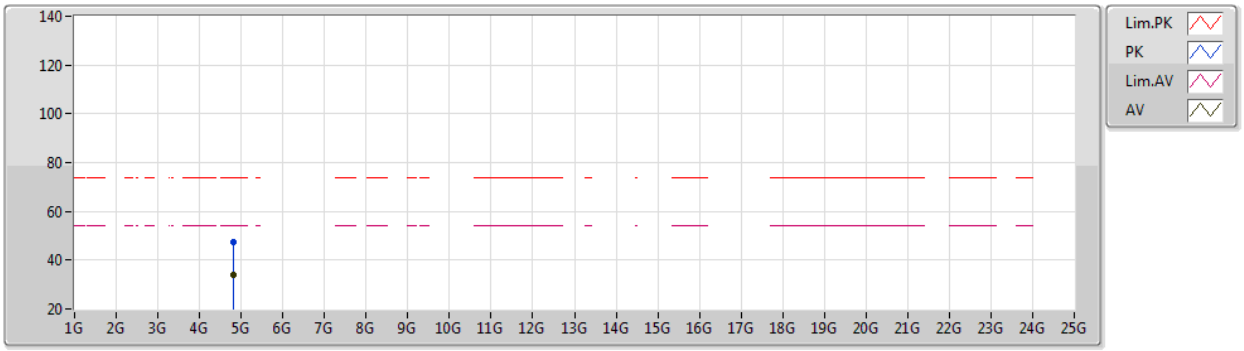
EUT Y_2TX
Setting 43
06-F-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	64.24	74.00	-9.76	33.56	3	Horizontal	306	2.11	-	27.60	3.08	-
AV	2.39G	52.56	54.00	-1.44	21.88	3	Horizontal	306	2.11	-	27.60	3.08	-
PK	2.4132G	118.86	Inf	-Inf	88.20	3	Horizontal	306	2.11	-	27.55	3.11	-
AV	2.4178G	108.23	Inf	-Inf	77.58	3	Horizontal	306	2.11	-	27.53	3.12	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

31/12/2020



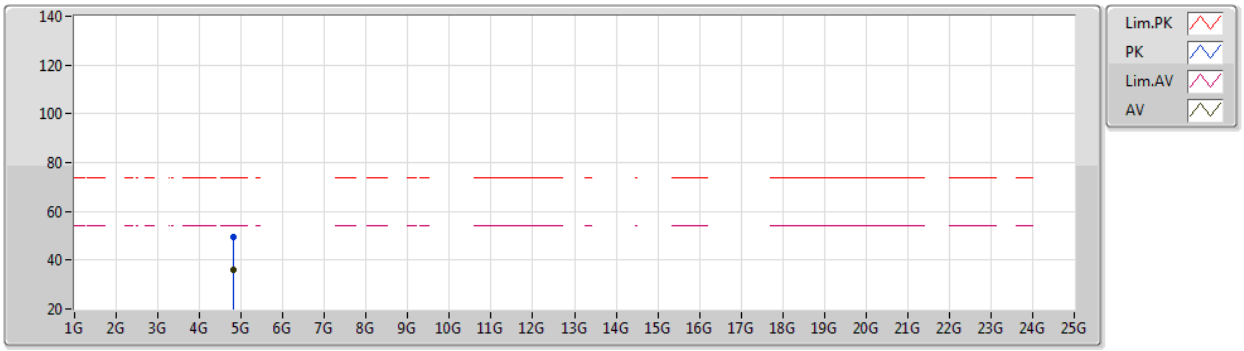
EUT Y_2TX
Setting 43
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82818G	47.61	74.00	-26.39	43.24	3	Vertical	355	1.14	-	31.11	5.00	31.74
AV	4.82072G	33.72	54.00	-20.28	29.39	3	Vertical	355	1.14	-	31.08	5.00	31.75

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

31/12/2020



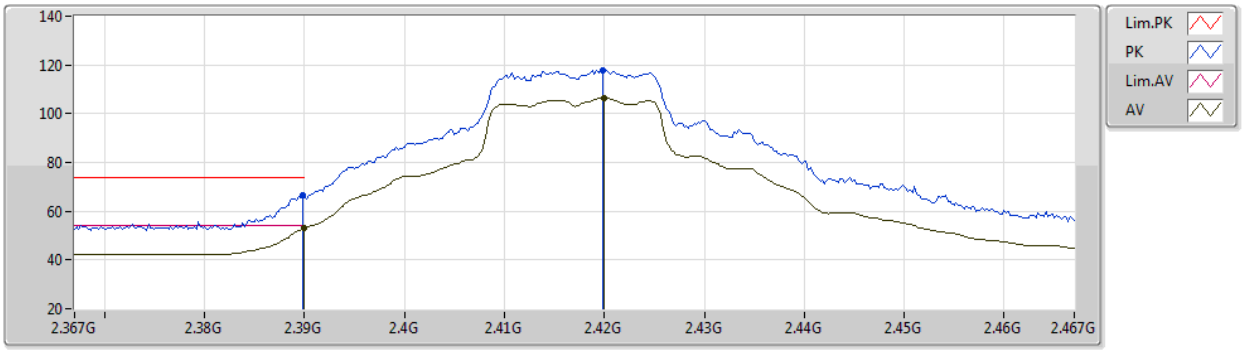
EUT Y_2TX
Setting 43
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82182G	49.54	74.00	-24.46	45.20	3	Horizontal	56	1.79	-	31.09	5.00	31.75
AV	4.82704G	35.83	54.00	-18.17	31.46	3	Horizontal	56	1.79	-	31.11	5.00	31.74

802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

31/12/2020



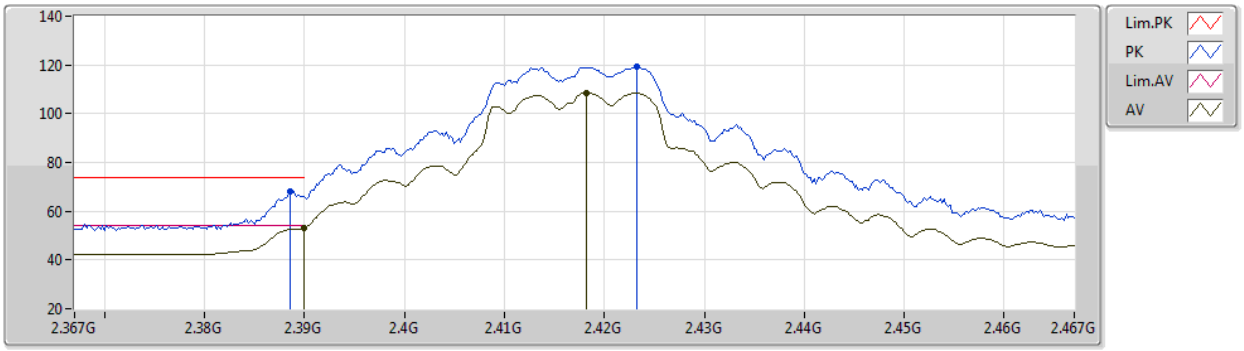
EUT Y_2TX
Setting 46
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	66.80	74.00	-7.20	36.12	3	Vertical	306	1.05	-	27.60	3.08	-
AV	2.39G	53.11	54.00	-0.89	22.43	3	Vertical	306	1.05	-	27.60	3.08	-
PK	2.4198G	117.79	Inf	-Inf	87.15	3	Vertical	306	1.05	-	27.52	3.12	-
AV	2.42G	106.40	Inf	-Inf	75.76	3	Vertical	306	1.05	-	27.52	3.12	-

802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

31/12/2020



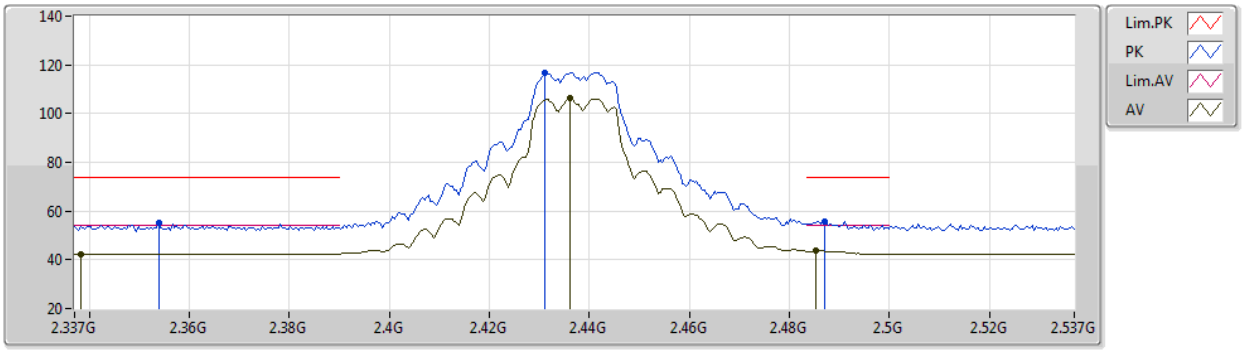
EUT Y_2TX
Setting 46
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3886G	68.34	74.00	-5.66	37.66	3	Horizontal	311	2.13	-	27.60	3.08	-
AV	2.39G	52.86	54.00	-1.14	22.18	3	Horizontal	311	2.13	-	27.60	3.08	-
PK	2.4232G	119.13	Inf	-Inf	88.50	3	Horizontal	311	2.13	-	27.51	3.12	-
AV	2.4182G	108.61	Inf	-Inf	77.96	3	Horizontal	311	2.13	-	27.53	3.12	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

31/12/2020



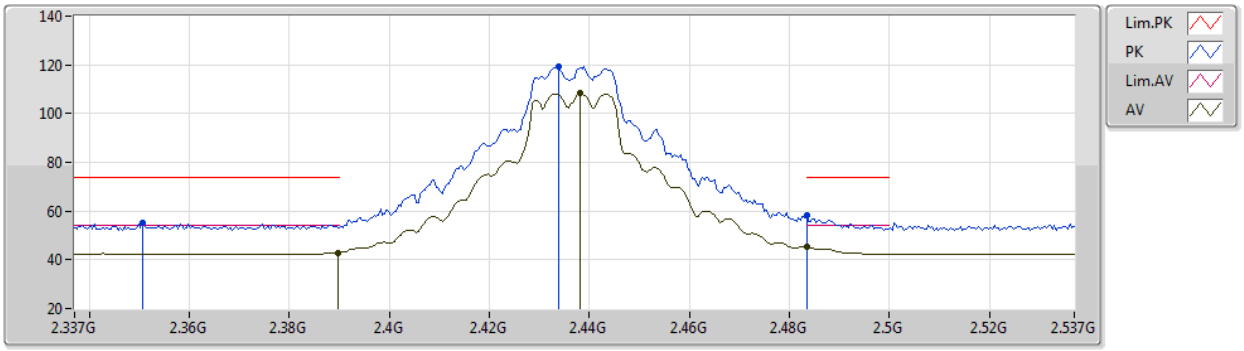
EUT Y_2TX
Setting 46
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3538G	54.98	74.00	-19.02	24.37	3	Vertical	323	2.31	-	27.60	3.01	-
AV	2.3382G	42.46	54.00	-11.54	11.86	3	Vertical	323	2.31	-	27.62	2.98	-
PK	2.431G	116.96	Inf	-Inf	86.35	3	Vertical	323	2.31	-	27.48	3.13	-
AV	2.4362G	106.35	Inf	-Inf	75.75	3	Vertical	323	2.31	-	27.46	3.14	-
PK	2.487G	55.89	74.00	-18.11	25.30	3	Vertical	323	2.31	-	27.40	3.19	-
AV	2.4854G	43.71	54.00	-10.29	13.12	3	Vertical	323	2.31	-	27.40	3.19	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

31/12/2020



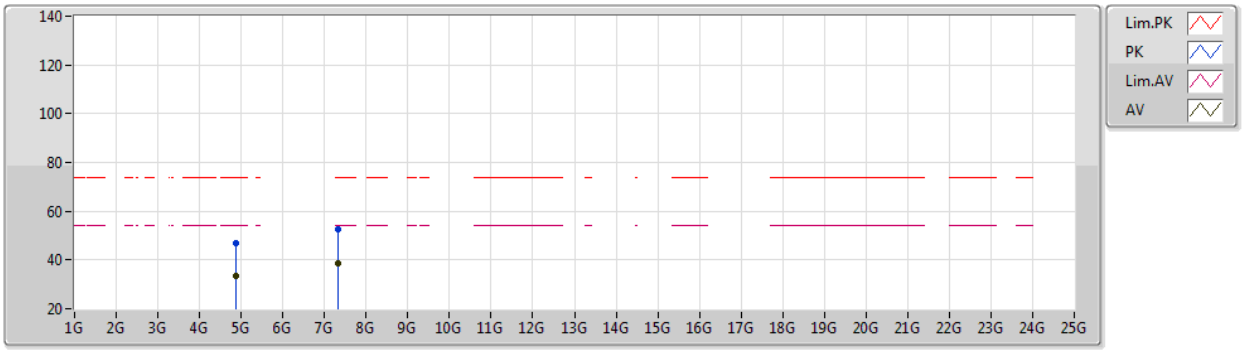
EUT Y_2TX
Setting 46
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3506G	55.42	74.00	-18.58	24.82	3	Horizontal	312	2.31	-	27.60	3.00	-
AV	2.3898G	42.84	54.00	-11.16	12.16	3	Horizontal	312	2.31	-	27.60	3.08	-
PK	2.4338G	119.36	Inf	-Inf	88.77	3	Horizontal	312	2.31	-	27.46	3.13	-
AV	2.4382G	108.47	Inf	-Inf	77.88	3	Horizontal	312	2.31	-	27.45	3.14	-
PK	2.4835G	58.27	74.00	-15.73	27.69	3	Horizontal	312	2.31	-	27.40	3.18	-
AV	2.4835G	45.17	54.00	-8.83	14.59	3	Horizontal	312	2.31	-	27.40	3.18	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

31/12/2020



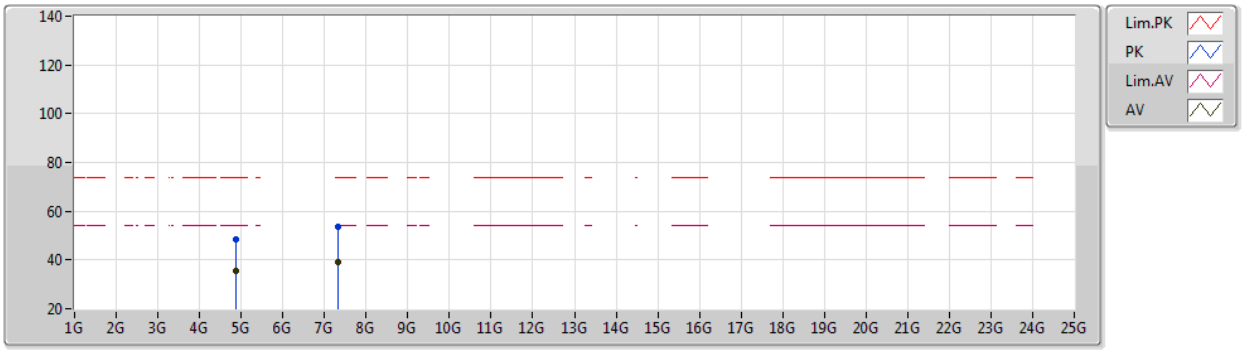
EUT Y_2TX
Setting 46
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87298G	47.14	74.00	-26.86	42.67	3	Vertical	19	1.12	-	31.15	5.00	31.68
AV	4.87684G	33.66	54.00	-20.34	29.19	3	Vertical	19	1.12	-	31.15	5.00	31.68
PK	7.31514G	52.49	74.00	-21.51	43.21	3	Vertical	39	1.80	-	36.34	6.10	33.16
AV	7.31472G	38.78	54.00	-15.22	29.50	3	Vertical	39	1.80	-	36.34	6.10	33.16

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

31/12/2020



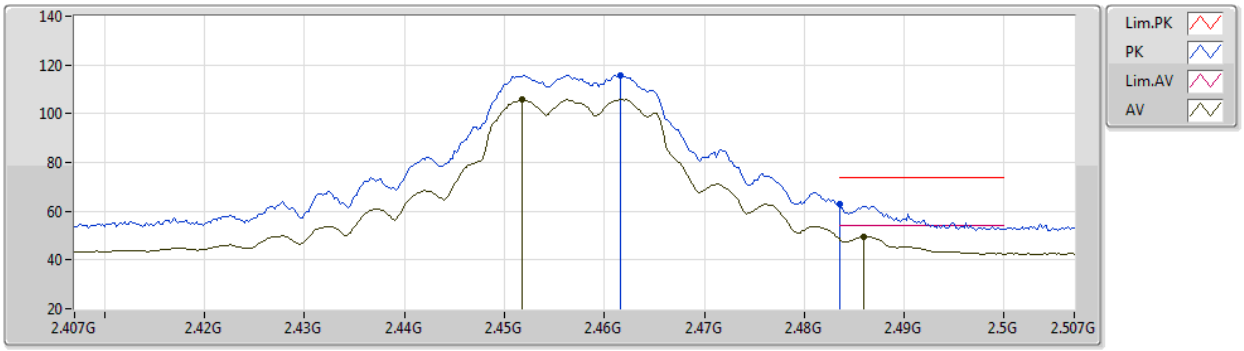
EUT Y_2TX
Setting 46
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87342G	48.53	74.00	-25.47	44.06	3	Horizontal	7	1.93	-	31.15	5.00	31.68
AV	4.87208G	35.71	54.00	-18.29	31.24	3	Horizontal	7	1.93	-	31.16	5.00	31.69
PK	7.3121G	53.61	74.00	-20.39	44.32	3	Horizontal	332	1.76	-	36.35	6.10	33.16
AV	7.3122G	38.98	54.00	-15.02	29.69	3	Horizontal	332	1.76	-	36.35	6.10	33.16

802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

31/12/2020



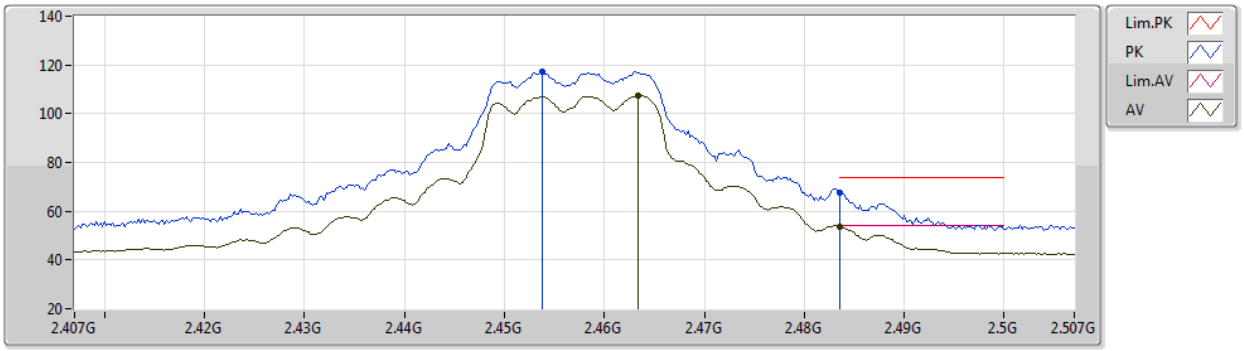
EUT Y_2TX
Setting 43
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4616G	115.91	Inf	-Inf	85.35	3	Vertical	326	2.54	-	27.40	3.16	-
AV	2.4518G	105.77	Inf	-Inf	75.22	3	Vertical	326	2.54	-	27.40	3.15	-
PK	2.4835G	62.78	74.00	-11.22	32.20	3	Vertical	326	2.54	-	27.40	3.18	-
AV	2.486G	49.63	54.00	-4.37	19.04	3	Vertical	326	2.54	-	27.40	3.19	-

802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

31/12/2020



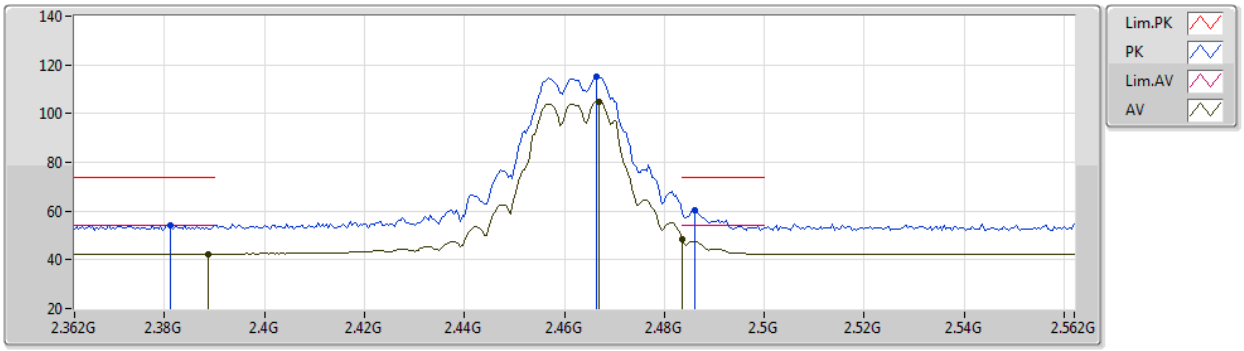
EUT Y_2TX
Setting 43
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4538G	117.47	Inf	-Inf	86.92	3	Horizontal	315	2.26	-	27.40	3.15	-
AV	2.4634G	107.30	Inf	-Inf	76.74	3	Horizontal	315	2.26	-	27.40	3.16	-
PK	2.4835G	67.55	74.00	-6.45	36.97	3	Horizontal	315	2.26	-	27.40	3.18	-
AV	2.4835G	53.58	54.00	-0.42	23.00	3	Horizontal	315	2.26	-	27.40	3.18	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

31/12/2020



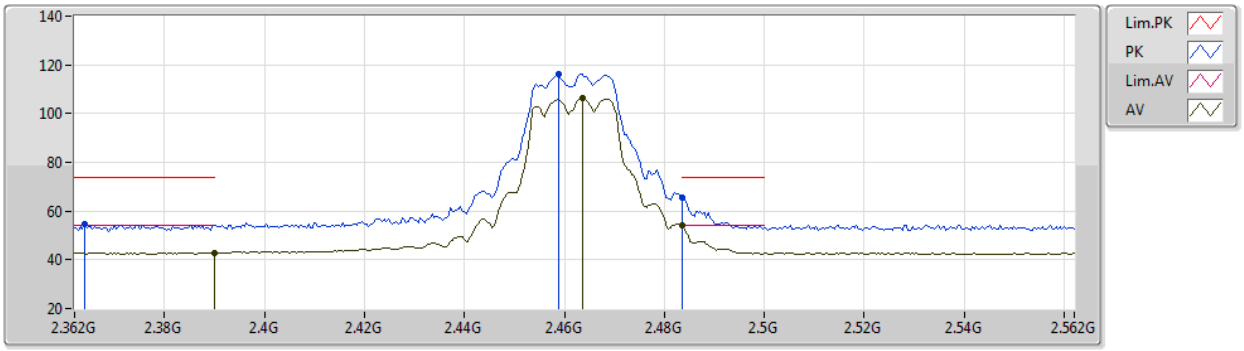
EUT Y_2TX
Setting 41
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3812G	54.36	74.00	-19.64	23.70	3	Vertical	329	2.81	-	27.60	3.06	-
AV	2.3888G	42.36	54.00	-11.64	11.68	3	Vertical	329	2.81	-	27.60	3.08	-
PK	2.4664G	115.04	Inf	-Inf	84.47	3	Vertical	329	2.81	-	27.40	3.17	-
AV	2.4668G	104.78	Inf	-Inf	74.21	3	Vertical	329	2.81	-	27.40	3.17	-
PK	2.486G	60.48	74.00	-13.52	29.89	3	Vertical	329	2.81	-	27.40	3.19	-
AV	2.4835G	48.31	54.00	-5.69	17.73	3	Vertical	329	2.81	-	27.40	3.18	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

31/12/2020



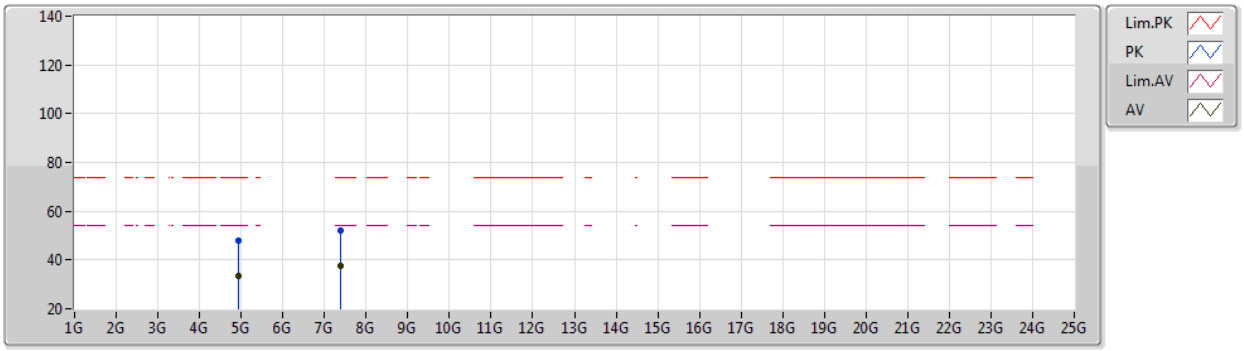
EUT Y_2TX
Setting 41
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.364G	54.41	74.00	-19.59	23.78	3	Horizontal	314	2.25	-	27.60	3.03	-
AV	2.39G	42.78	54.00	-11.22	12.10	3	Horizontal	314	2.25	-	27.60	3.08	-
PK	2.4588G	116.27	Inf	-Inf	85.71	3	Horizontal	314	2.25	-	27.40	3.16	-
AV	2.4636G	106.32	Inf	-Inf	75.76	3	Horizontal	314	2.25	-	27.40	3.16	-
PK	2.4835G	65.54	74.00	-8.46	34.96	3	Horizontal	314	2.25	-	27.40	3.18	-
AV	2.4835G	53.99	54.00	-0.01	23.41	3	Horizontal	314	2.25	-	27.40	3.18	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

31/12/2020



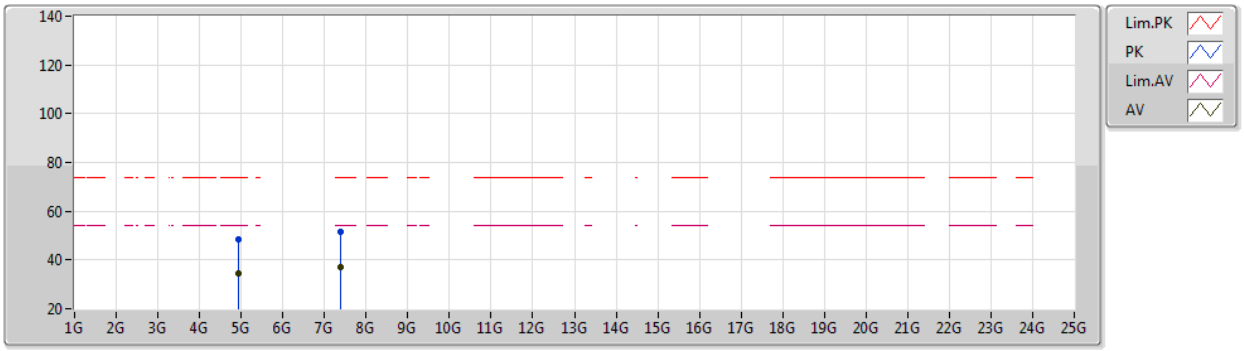
EUT Y_2TX
Setting 41
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92638G	47.76	74.00	-26.24	43.17	3	Vertical	309	2.47	-	31.21	5.00	31.62
AV	4.92636G	33.22	54.00	-20.78	28.63	3	Vertical	309	2.47	-	31.21	5.00	31.62
PK	7.38984G	52.24	74.00	-21.76	43.14	3	Vertical	34	1.80	-	36.20	6.10	33.20
AV	7.3895G	37.42	54.00	-16.58	28.32	3	Vertical	34	1.80	-	36.20	6.10	33.20

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

31/12/2020



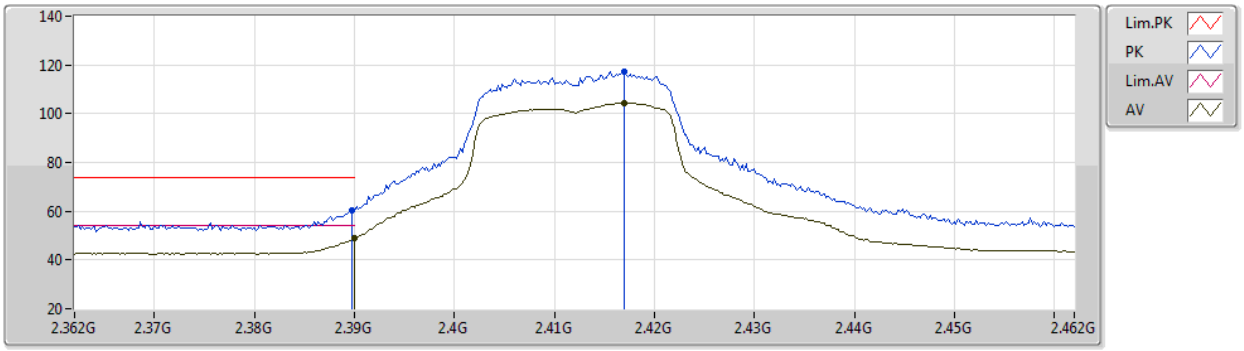
EUT Y_2TX
Setting 41
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.9282G	48.67	74.00	-25.33	44.08	3	Horizontal	13	1.78	-	31.21	5.00	31.62
AV	4.92202G	34.36	54.00	-19.64	29.80	3	Horizontal	13	1.78	-	31.19	5.00	31.63
PK	7.38772G	51.45	74.00	-22.55	42.35	3	Horizontal	328	1.93	-	36.20	6.10	33.20
AV	7.38882G	37.31	54.00	-16.69	28.21	3	Horizontal	328	1.93	-	36.20	6.10	33.20

802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

31/12/2020



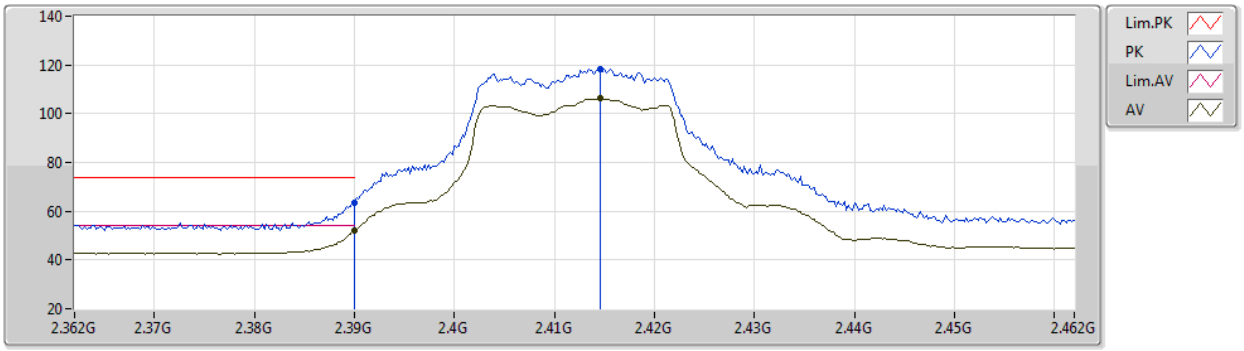
EUT Y_2TX
Setting 42
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	60.41	74.00	-13.59	29.73	3	Vertical	311	1.27	-	27.60	3.08	-
AV	2.39G	48.94	54.00	-5.06	18.26	3	Vertical	311	1.27	-	27.60	3.08	-
PK	2.417G	117.10	Inf	-Inf	86.45	3	Vertical	311	1.27	-	27.53	3.12	-
AV	2.417G	104.47	Inf	-Inf	73.82	3	Vertical	311	1.27	-	27.53	3.12	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

31/12/2020



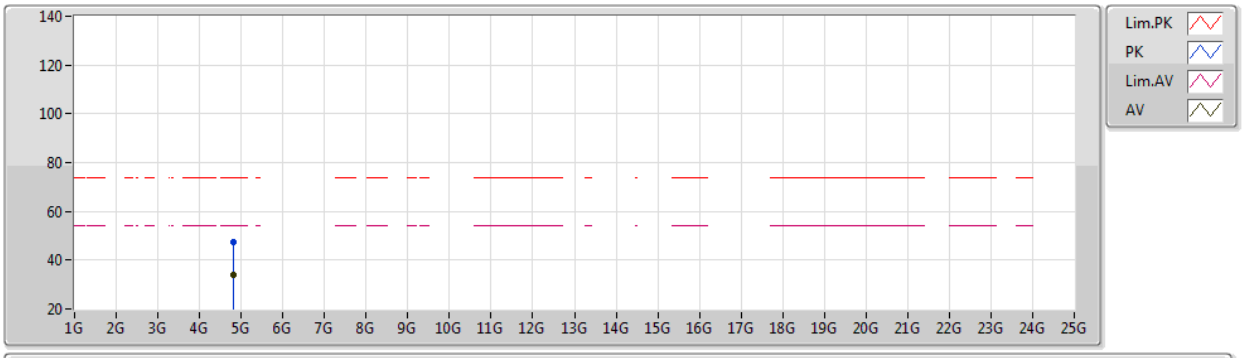
EUT Y_2TX
Setting 42
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	63.38	74.00	-10.62	32.70	3	Horizontal	306	2.12	-	27.60	3.08	-
AV	2.39G	52.10	54.00	-1.90	21.42	3	Horizontal	306	2.12	-	27.60	3.08	-
PK	2.4146G	118.41	Inf	-Inf	87.76	3	Horizontal	306	2.12	-	27.54	3.11	-
AV	2.4146G	106.31	Inf	-Inf	75.66	3	Horizontal	306	2.12	-	27.54	3.11	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

31/12/2020



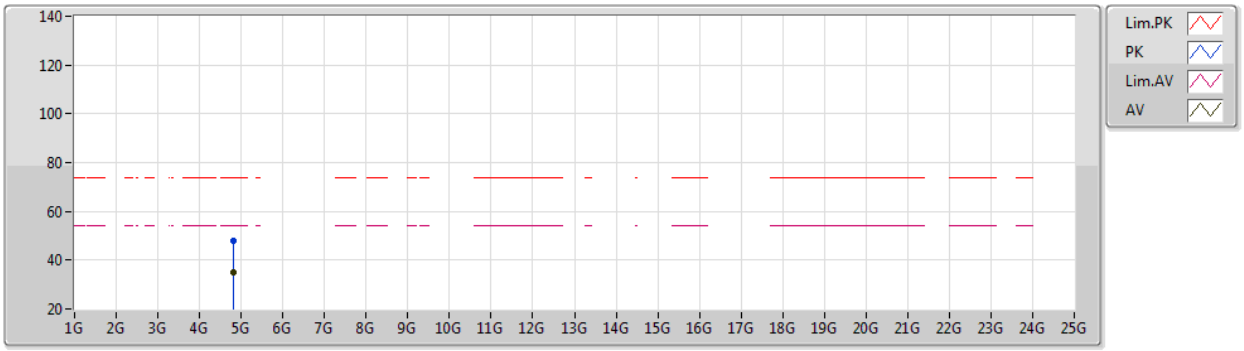
EUT Y_2TX
Setting 42
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82712G	47.34	74.00	-26.66	42.97	3	Vertical	43	1.02	-	31.11	5.00	31.74
AV	4.8202G	33.97	54.00	-20.03	29.64	3	Vertical	43	1.02	-	31.08	5.00	31.75

802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

31/12/2020



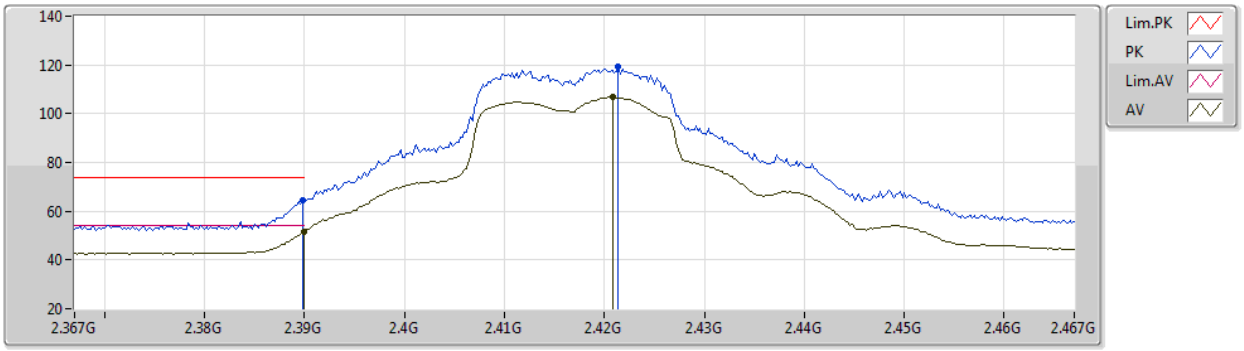
EUT Y_2TX
Setting 42
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82118G	48.10	74.00	-25.90	43.77	3	Horizontal	135	2.43	-	31.08	5.00	31.75
AV	4.82152G	34.98	54.00	-19.02	30.64	3	Horizontal	135	2.43	-	31.09	5.00	31.75

802.11ax HEW20_Nss1,(MCS0)_2TX

2417MHz_TX

31/12/2020



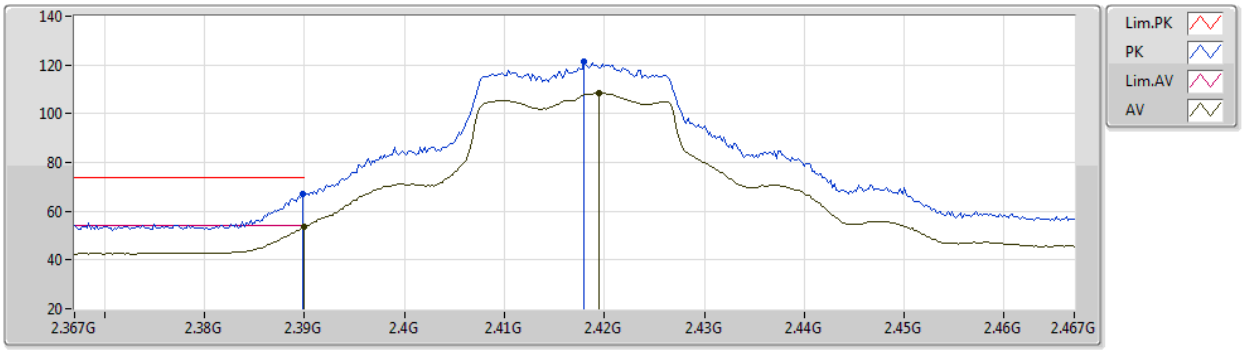
EUT Y_2TX
Setting 45
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	64.46	74.00	-9.54	33.78	3	Vertical	325	1.10	-	27.60	3.08	-
AV	2.39G	51.81	54.00	-2.19	21.13	3	Vertical	325	1.10	-	27.60	3.08	-
PK	2.4214G	119.53	Inf	-Inf	88.90	3	Vertical	325	1.10	-	27.51	3.12	-
AV	2.4208G	106.82	Inf	-Inf	76.18	3	Vertical	325	1.10	-	27.52	3.12	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2417MHz_TX

31/12/2020



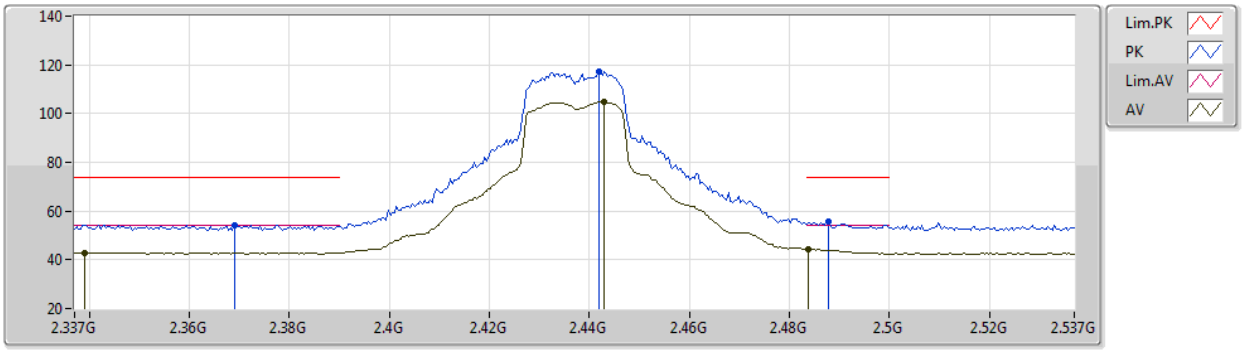
EUT Y_2TX
Setting 45
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	67.02	74.00	-6.98	36.34	3	Horizontal	304	2.13	-	27.60	3.08	-
AV	2.39G	53.41	54.00	-0.59	22.73	3	Horizontal	304	2.13	-	27.60	3.08	-
PK	2.418G	121.26	Inf	-Inf	90.61	3	Horizontal	304	2.13	-	27.53	3.12	-
AV	2.4194G	108.39	Inf	-Inf	77.75	3	Horizontal	304	2.13	-	27.52	3.12	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

31/12/2020



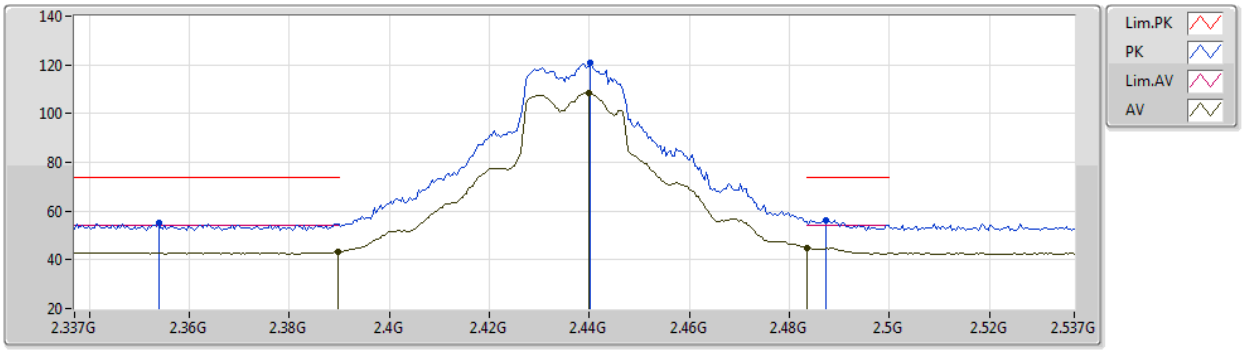
EUT Y_2TX
Setting 46
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.369G	54.24	74.00	-19.76	23.60	3	Vertical	316	1.64	-	27.60	3.04	-
AV	2.339G	42.77	54.00	-11.23	12.17	3	Vertical	316	1.64	-	27.62	2.98	-
PK	2.4418G	117.16	Inf	-Inf	86.59	3	Vertical	316	1.64	-	27.43	3.14	-
AV	2.443G	105.01	Inf	-Inf	74.44	3	Vertical	316	1.64	-	27.43	3.14	-
PK	2.4878G	55.49	74.00	-18.51	24.90	3	Vertical	316	1.64	-	27.40	3.19	-
AV	2.4838G	44.37	54.00	-9.63	13.79	3	Vertical	316	1.64	-	27.40	3.18	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

31/12/2020



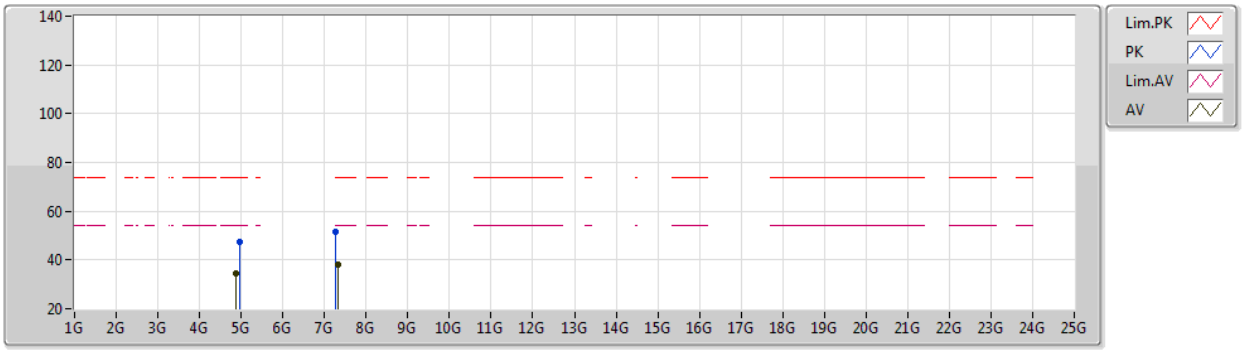
EUT Y_2TX
Setting 46
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3538G	55.05	74.00	-18.95	24.44	3	Horizontal	312	2.33	-	27.60	3.01	-
AV	2.3898G	43.37	54.00	-10.63	12.69	3	Horizontal	312	2.33	-	27.60	3.08	-
PK	2.4402G	120.71	Inf	-Inf	90.13	3	Horizontal	312	2.33	-	27.44	3.14	-
AV	2.4398G	108.47	Inf	-Inf	77.89	3	Horizontal	312	2.33	-	27.44	3.14	-
PK	2.4874G	56.41	74.00	-17.59	25.82	3	Horizontal	312	2.33	-	27.40	3.19	-
AV	2.4835G	44.89	54.00	-9.11	14.31	3	Horizontal	312	2.33	-	27.40	3.18	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

31/12/2020



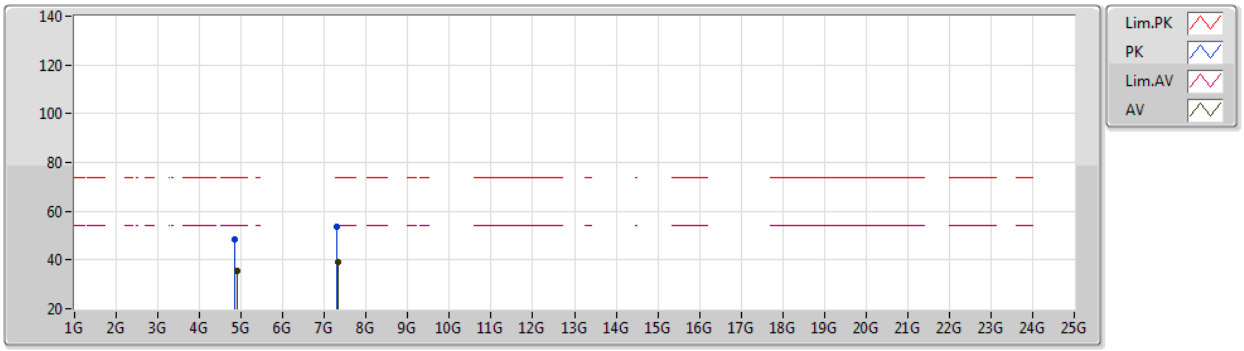
EUT Y_2TX
Setting 46
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.9536G	47.48	74.00	-26.52	42.76	3	Vertical	240	1.80	-	31.31	5.00	31.59
AV	4.8814G	34.57	54.00	-19.43	30.10	3	Vertical	240	1.80	-	31.14	5.00	31.67
PK	7.2696G	51.55	74.00	-22.45	42.25	3	Vertical	263	1.23	-	36.34	6.10	33.14
AV	7.3288G	38.05	54.00	-15.95	28.84	3	Vertical	263	1.23	-	36.28	6.10	33.17

802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

31/12/2020



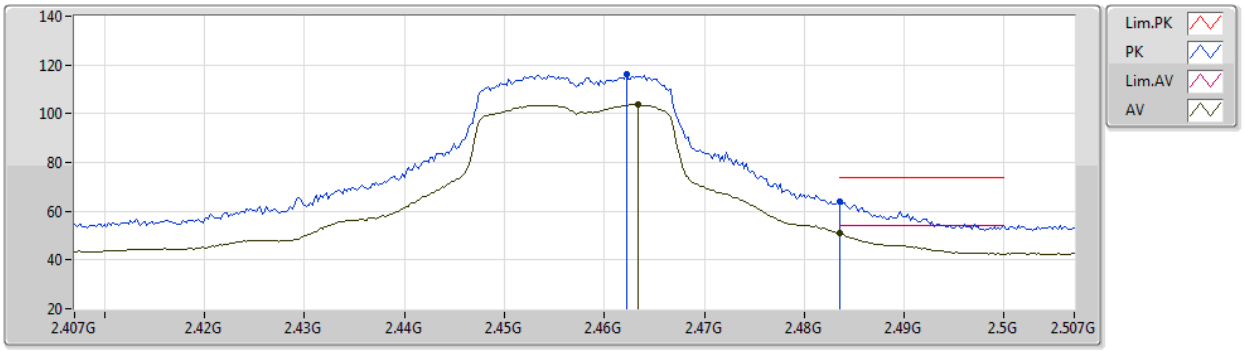
EUT Y_2TX
Setting 46
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.8472G	48.39	74.00	-25.61	43.92	3	Horizontal	316	1.30	-	31.19	5.00	31.72
AV	4.9022G	35.38	54.00	-18.62	30.92	3	Horizontal	316	1.30	-	31.11	5.00	31.65
PK	7.289G	53.48	74.00	-20.52	44.15	3	Horizontal	220	1.84	-	36.38	6.10	33.15
AV	7.325G	39.22	54.00	-14.78	29.99	3	Horizontal	220	1.84	-	36.30	6.10	33.17

802.11ax HEW20_Nss1,(MCS0)_2TX

2457MHz_TX

31/12/2020



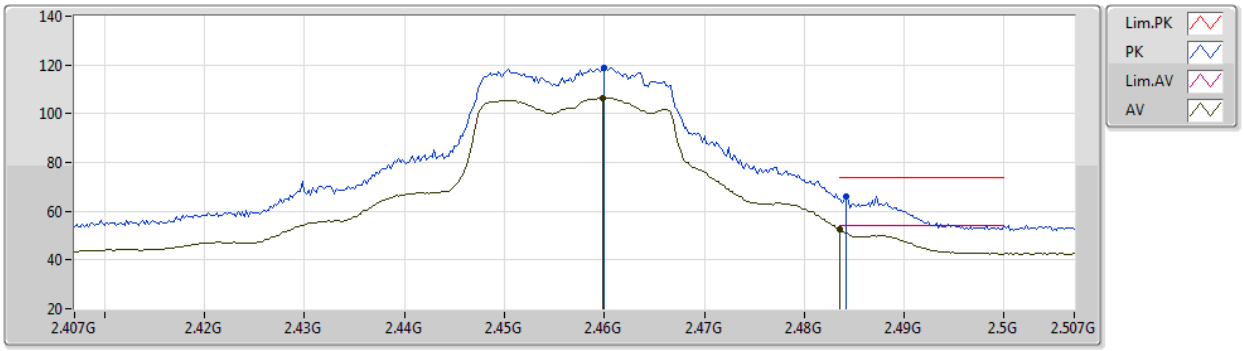
EUT Y_2TX
Setting 43
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4622G	115.96	Inf	-Inf	85.40	3	Vertical	301	1.07	-	27.40	3.16	-
AV	2.4634G	103.68	Inf	-Inf	73.12	3	Vertical	301	1.07	-	27.40	3.16	-
PK	2.4835G	63.77	74.00	-10.23	33.19	3	Vertical	301	1.07	-	27.40	3.18	-
AV	2.4835G	51.05	54.00	-2.95	20.47	3	Vertical	301	1.07	-	27.40	3.18	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2457MHz_TX

31/12/2020



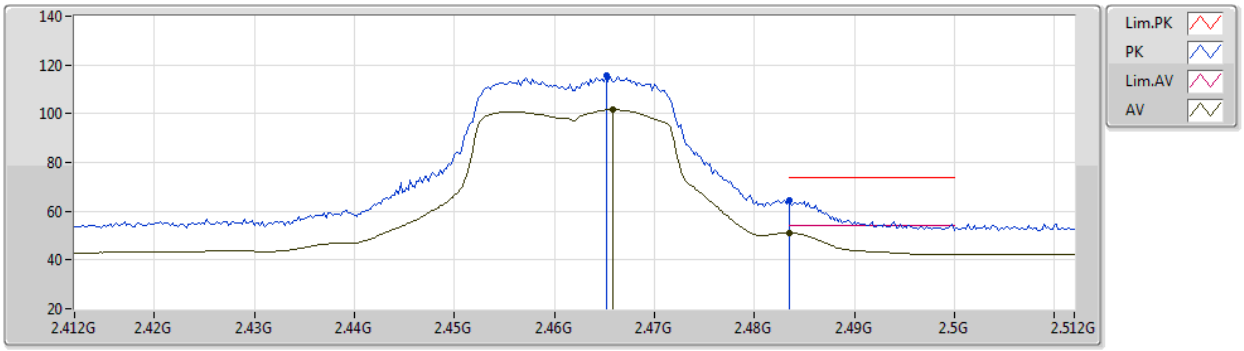
EUT Y_2TX
Setting 43
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.46G	118.54	Inf	-Inf	87.98	3	Horizontal	311	2.27	-	27.40	3.16	-
AV	2.4598G	106.46	Inf	-Inf	75.90	3	Horizontal	311	2.27	-	27.40	3.16	-
PK	2.4842G	66.08	74.00	-7.92	35.50	3	Horizontal	311	2.27	-	27.40	3.18	-
AV	2.4835G	52.49	54.00	-1.51	21.91	3	Horizontal	311	2.27	-	27.40	3.18	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

31/12/2020



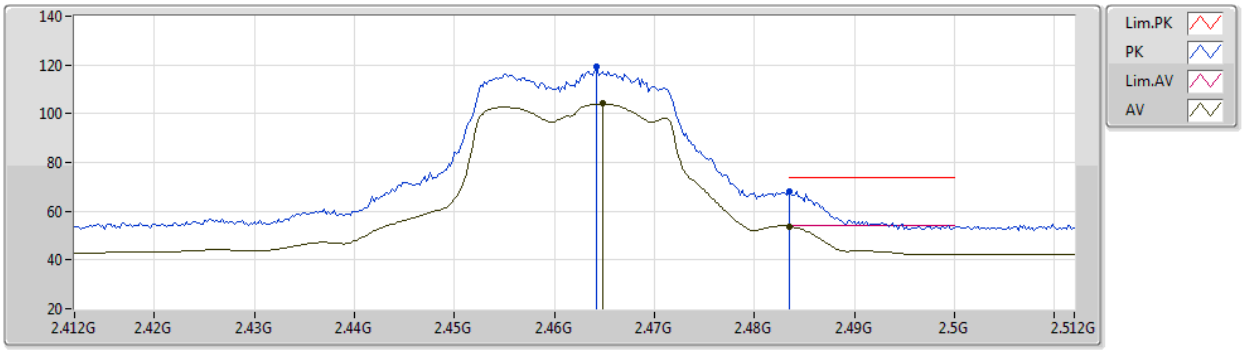
EUT Y_2TX
Setting 40
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4652G	115.46	Inf	-Inf	84.89	3	Vertical	318	1.08	-	27.40	3.17	-
AV	2.4658G	101.67	Inf	-Inf	71.10	3	Vertical	318	1.08	-	27.40	3.17	-
PK	2.4835G	64.66	74.00	-9.34	34.08	3	Vertical	318	1.08	-	27.40	3.18	-
AV	2.4835G	51.06	54.00	-2.94	20.48	3	Vertical	318	1.08	-	27.40	3.18	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

31/12/2020



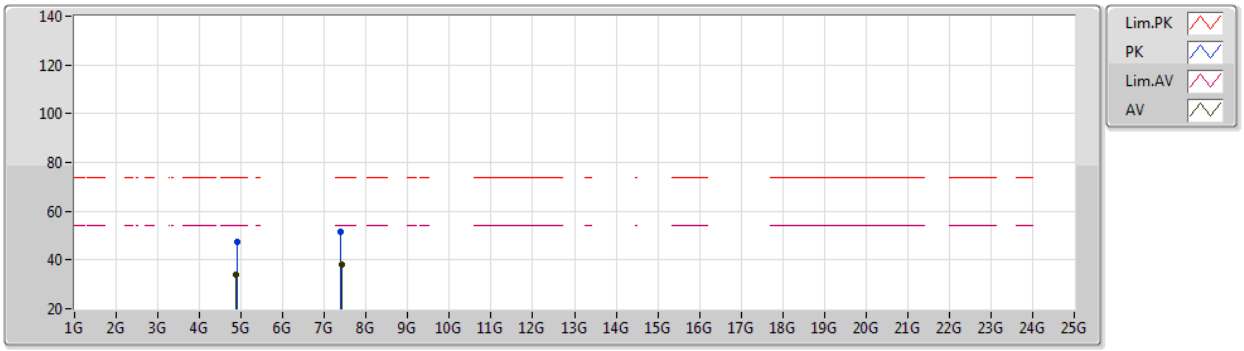
EUT Y_2TX
Setting 40
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4642G	119.26	Inf	-Inf	88.70	3	Horizontal	313	2.28	-	27.40	3.16	-
AV	2.4648G	104.10	Inf	-Inf	73.54	3	Horizontal	313	2.28	-	27.40	3.16	-
PK	2.4835G	68.00	74.00	-6.00	37.42	3	Horizontal	313	2.28	-	27.40	3.18	-
AV	2.4835G	53.72	54.00	-0.28	23.14	3	Horizontal	313	2.28	-	27.40	3.18	-

802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

31/12/2020



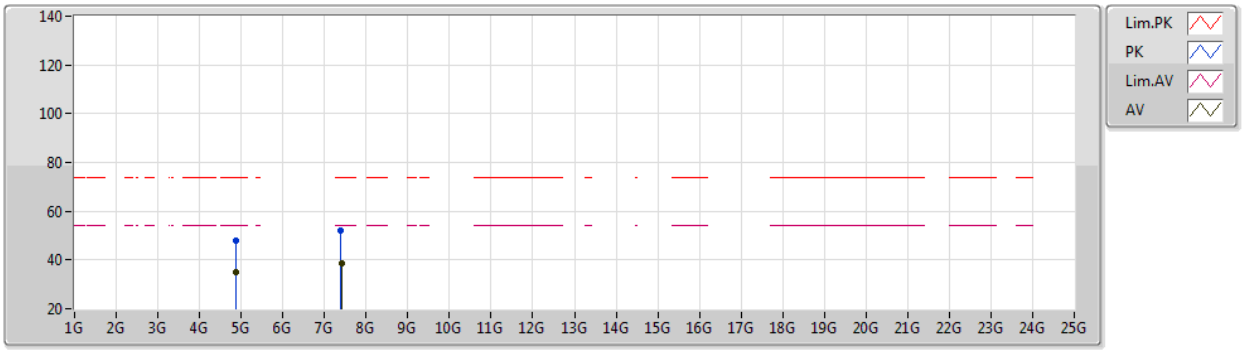
EUT Y_2TX
Setting 40
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.9036G	47.63	74.00	-26.37	43.17	3	Vertical	202	1.20	-	31.11	5.00	31.65
AV	4.8824G	33.98	54.00	-20.02	29.51	3	Vertical	202	1.20	-	31.14	5.00	31.67
PK	7.3956G	51.73	74.00	-22.27	42.63	3	Vertical	41	2.25	-	36.20	6.10	33.20
AV	7.4054G	38.25	54.00	-15.75	29.13	3	Vertical	41	2.25	-	36.22	6.10	33.20

802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

31/12/2020



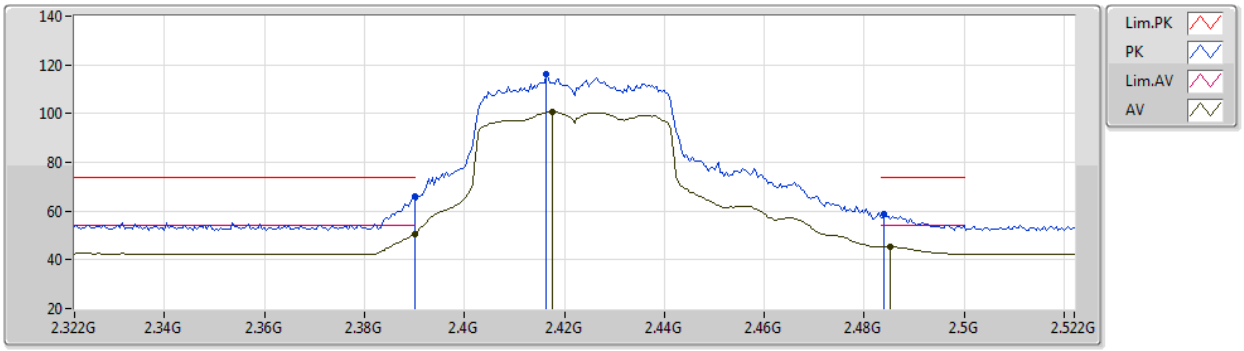
EUT Y_2TX
Setting 40
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.8876G	48.14	74.00	-25.86	43.69	3	Horizontal	271	1.21	-	31.12	5.00	31.67
AV	4.8796G	34.86	54.00	-19.14	30.40	3	Horizontal	271	1.21	-	31.14	5.00	31.68
PK	7.3866G	51.88	74.00	-22.12	42.78	3	Horizontal	4	1.52	-	36.20	6.10	33.20
AV	7.402G	38.52	54.00	-15.48	29.41	3	Horizontal	4	1.52	-	36.21	6.10	33.20

802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

31/12/2020



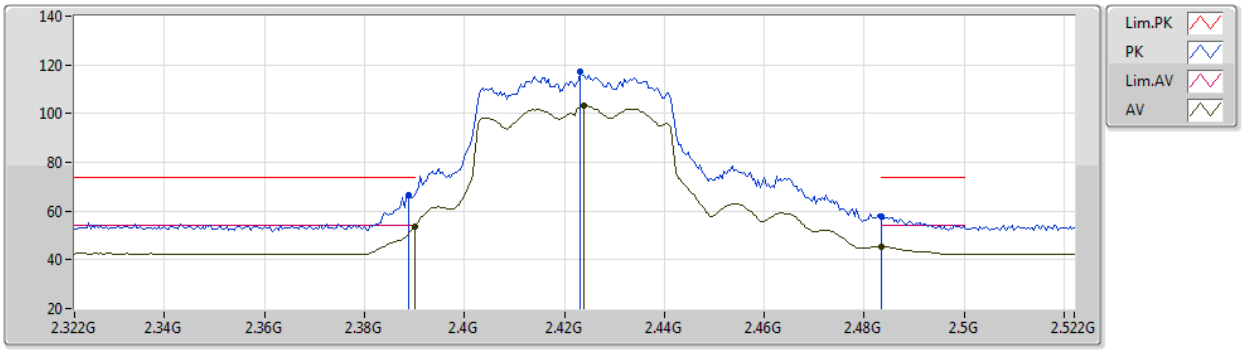
EUT Y_2TX
Setting 42
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	66.25	74.00	-7.75	35.57	3	Vertical	314	1.27	-	27.60	3.08	-
AV	2.39G	50.59	54.00	-3.41	19.91	3	Vertical	314	1.27	-	27.60	3.08	-
PK	2.4164G	116.27	Inf	-Inf	85.62	3	Vertical	314	1.27	-	27.53	3.12	-
AV	2.4176G	100.72	Inf	-Inf	70.07	3	Vertical	314	1.27	-	27.53	3.12	-
PK	2.484G	58.88	74.00	-15.12	28.30	3	Vertical	314	1.27	-	27.40	3.18	-
AV	2.4852G	45.38	54.00	-8.62	14.79	3	Vertical	314	1.27	-	27.40	3.19	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

31/12/2020



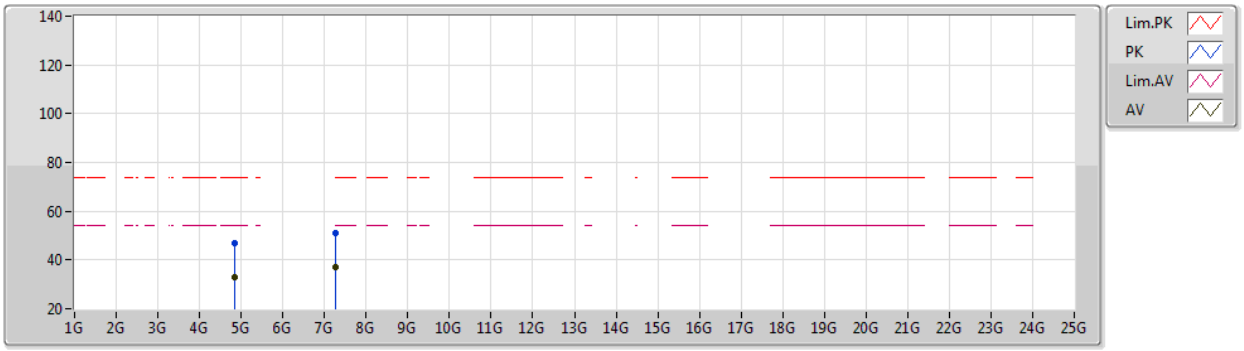
EUT Y_2TX
Setting 42
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3888G	66.42	74.00	-7.58	35.74	3	Horizontal	308	2.13	-	27.60	3.08	-
AV	2.39G	53.60	54.00	-0.40	22.92	3	Horizontal	308	2.13	-	27.60	3.08	-
PK	2.4232G	117.19	Inf	-Inf	86.56	3	Horizontal	308	2.13	-	27.51	3.12	-
AV	2.424G	103.25	Inf	-Inf	72.63	3	Horizontal	308	2.13	-	27.50	3.12	-
PK	2.4835G	58.00	74.00	-16.00	27.42	3	Horizontal	308	2.13	-	27.40	3.18	-
AV	2.4835G	45.40	54.00	-8.60	14.82	3	Horizontal	308	2.13	-	27.40	3.18	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

31/12/2020



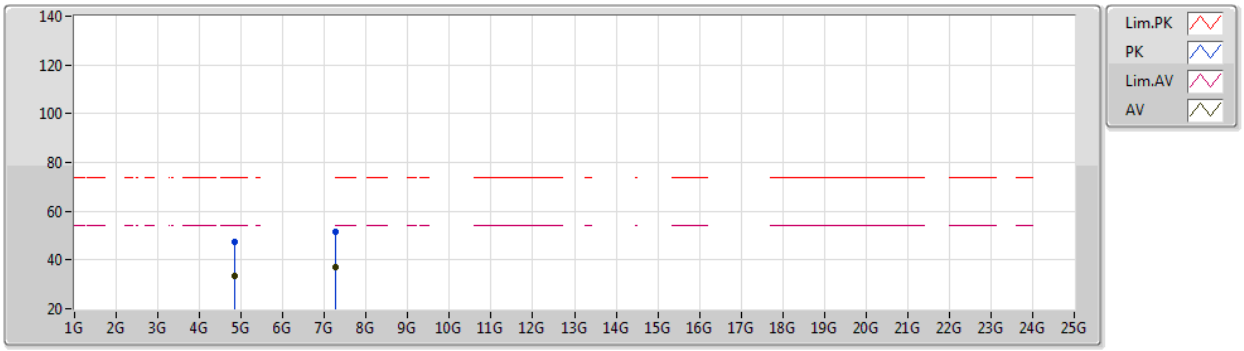
EUT Y_2TX
Setting 42
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.85088G	46.99	74.00	-27.01	42.50	3	Vertical	96	2.05	-	31.20	5.00	31.71
AV	4.84G	33.10	54.00	-20.90	28.67	3	Vertical	96	2.05	-	31.16	5.00	31.73
PK	7.26764G	50.97	74.00	-23.03	41.67	3	Vertical	114	2.21	-	36.34	6.10	33.14
AV	7.25608G	36.92	54.00	-17.08	27.64	3	Vertical	114	2.21	-	36.31	6.10	33.13

802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

31/12/2020



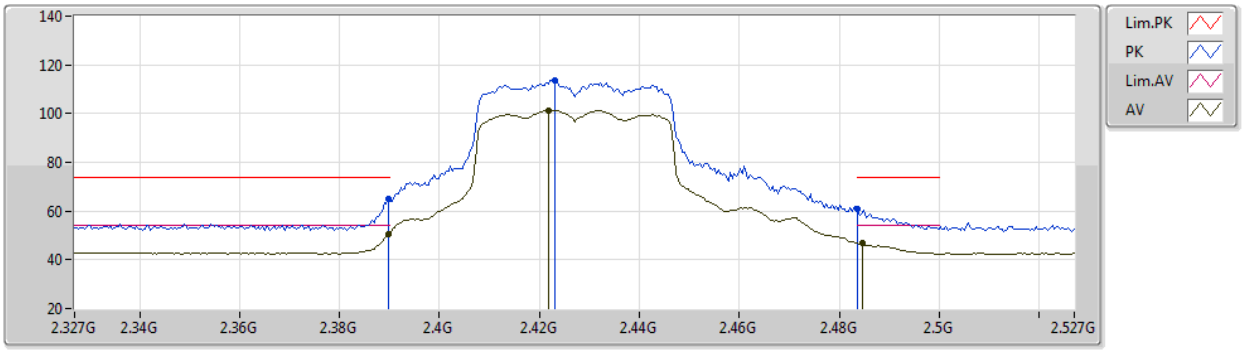
EUT Y_2TX
Setting 42
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.85184G	47.49	74.00	-26.51	43.00	3	Horizontal	41	1.47	-	31.20	5.00	31.71
AV	4.84136G	33.63	54.00	-20.37	29.18	3	Horizontal	41	1.47	-	31.17	5.00	31.72
PK	7.263G	51.48	74.00	-22.52	42.19	3	Horizontal	112	2.09	-	36.33	6.10	33.14
AV	7.25672G	37.25	54.00	-16.75	27.97	3	Horizontal	112	2.09	-	36.31	6.10	33.13

802.11ax HEW40_Nss1,(MCS0)_2TX

2427MHz_TX

31/12/2020



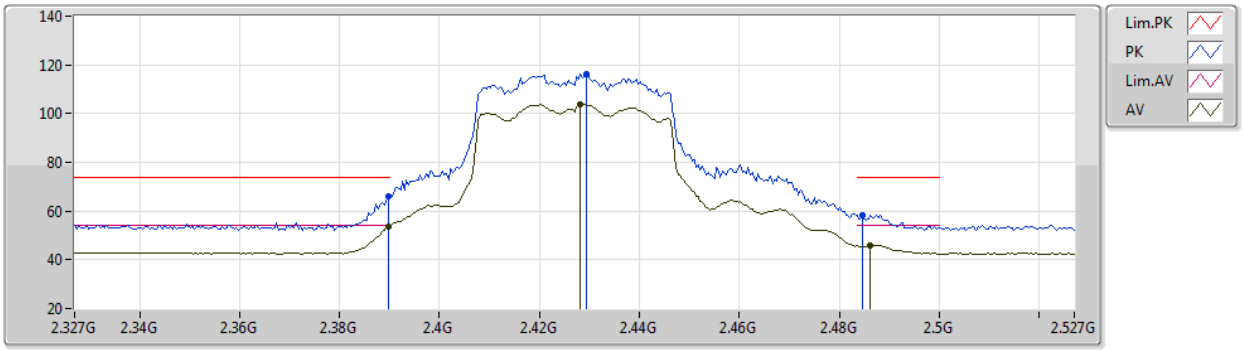
EUT Y_2TX
Setting 42
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	65.23	74.00	-8.77	34.55	3	Vertical	312	1.31	-	27.60	3.08	-
AV	2.3898G	50.39	54.00	-3.61	19.71	3	Vertical	312	1.31	-	27.60	3.08	-
PK	2.423G	113.82	Inf	-Inf	83.19	3	Vertical	312	1.31	-	27.51	3.12	-
AV	2.4218G	101.42	Inf	-Inf	70.79	3	Vertical	312	1.31	-	27.51	3.12	-
PK	2.4835G	60.62	74.00	-13.38	30.04	3	Vertical	312	1.31	-	27.40	3.18	-
AV	2.4846G	46.84	54.00	-7.16	16.26	3	Vertical	312	1.31	-	27.40	3.18	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2427MHz_TX

31/12/2020



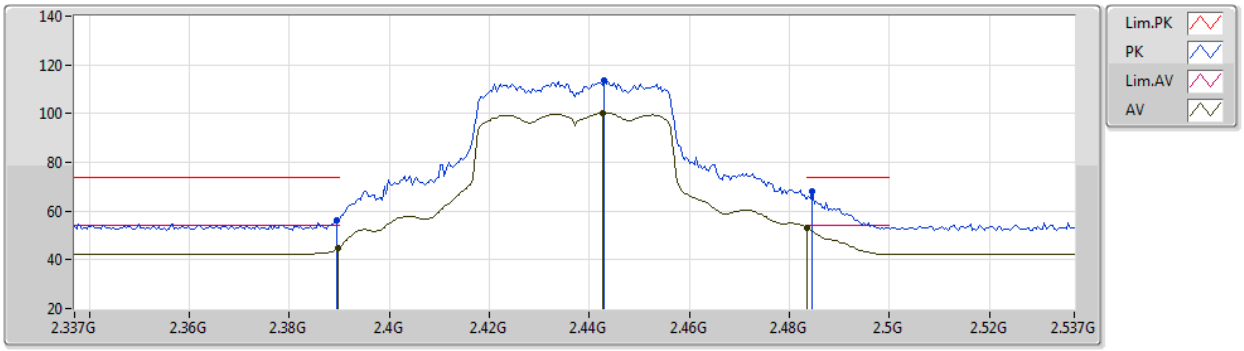
EUT Y_2TX
Setting 42
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	66.23	74.00	-7.77	35.55	3	Horizontal	303	2.12	-	27.60	3.08	-
AV	2.3898G	53.52	54.00	-0.48	22.84	3	Horizontal	303	2.12	-	27.60	3.08	-
PK	2.4294G	116.18	Inf	-Inf	85.57	3	Horizontal	303	2.12	-	27.48	3.13	-
AV	2.4282G	103.89	Inf	-Inf	73.27	3	Horizontal	303	2.12	-	27.49	3.13	-
PK	2.4846G	58.46	74.00	-15.54	27.88	3	Horizontal	303	2.12	-	27.40	3.18	-
AV	2.4862G	45.97	54.00	-8.03	15.38	3	Horizontal	303	2.12	-	27.40	3.19	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

31/12/2020



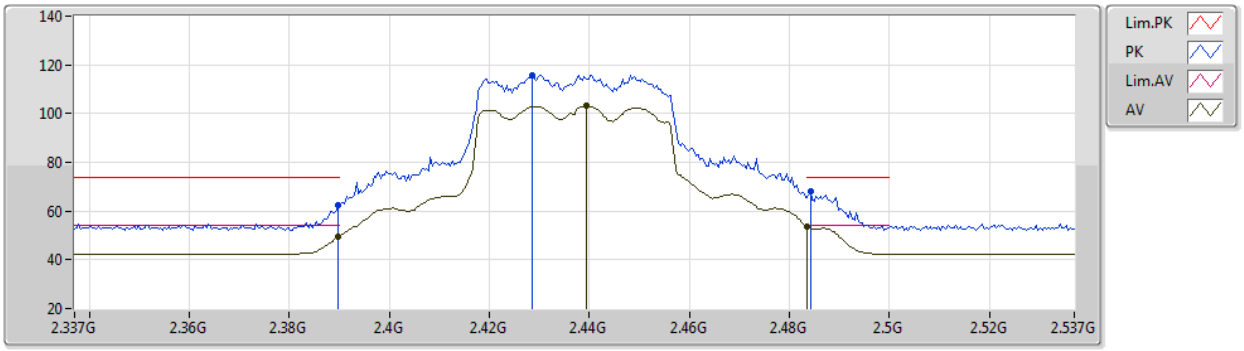
EUT Y_2TX
Setting 43
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3894G	56.32	74.00	-17.68	25.64	3	Vertical	313	1.68	-	27.60	3.08	-
AV	2.3898G	44.92	54.00	-9.08	14.24	3	Vertical	313	1.68	-	27.60	3.08	-
PK	2.443G	113.44	Inf	-Inf	82.87	3	Vertical	313	1.68	-	27.43	3.14	-
AV	2.4426G	100.28	Inf	-Inf	69.71	3	Vertical	313	1.68	-	27.43	3.14	-
PK	2.4846G	67.89	74.00	-6.11	37.31	3	Vertical	313	1.68	-	27.40	3.18	-
AV	2.4835G	53.22	54.00	-0.78	22.64	3	Vertical	313	1.68	-	27.40	3.18	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

31/12/2020



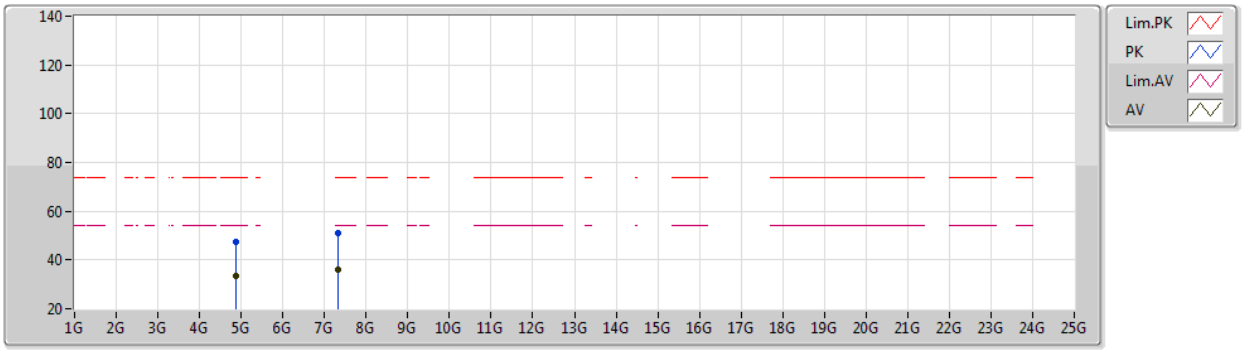
EUT Y_2TX
Setting 43
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	62.58	74.00	-11.42	31.90	3	Horizontal	306	2.32	-	27.60	3.08	-
AV	2.3898G	49.55	54.00	-4.45	18.87	3	Horizontal	306	2.32	-	27.60	3.08	-
PK	2.4286G	115.88	Inf	-Inf	85.26	3	Horizontal	306	2.32	-	27.49	3.13	-
AV	2.4394G	103.21	Inf	-Inf	72.63	3	Horizontal	306	2.32	-	27.44	3.14	-
PK	2.4842G	67.97	74.00	-6.03	37.39	3	Horizontal	306	2.32	-	27.40	3.18	-
AV	2.4835G	53.79	54.00	-0.21	23.21	3	Horizontal	306	2.32	-	27.40	3.18	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

31/12/2020



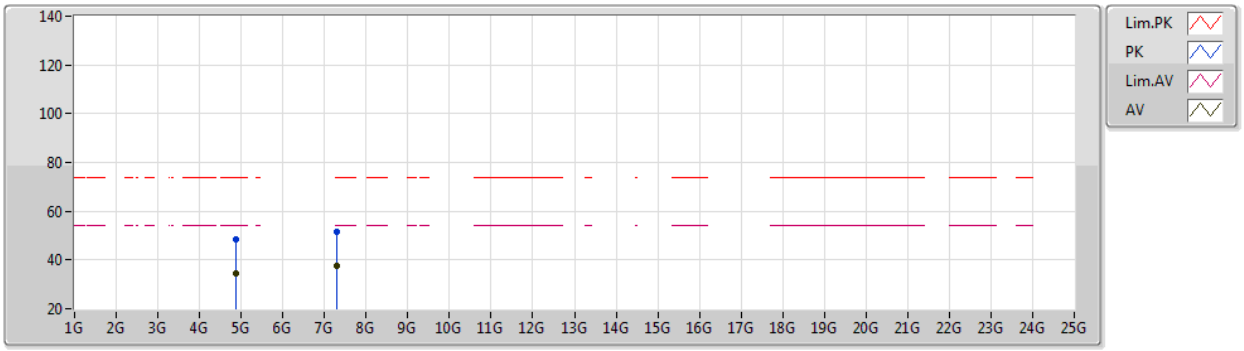
EUT Y_2TX
Setting 43
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.8776G	47.26	74.00	-26.74	42.80	3	Vertical	55	1.02	-	31.14	5.00	31.68
AV	4.88036G	33.39	54.00	-20.61	28.93	3	Vertical	55	1.02	-	31.14	5.00	31.68
PK	7.31228G	50.85	74.00	-23.15	41.56	3	Vertical	296	2.44	-	36.35	6.10	33.16
AV	7.31816G	36.27	54.00	-17.73	27.00	3	Vertical	296	2.44	-	36.33	6.10	33.16

802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

31/12/2020



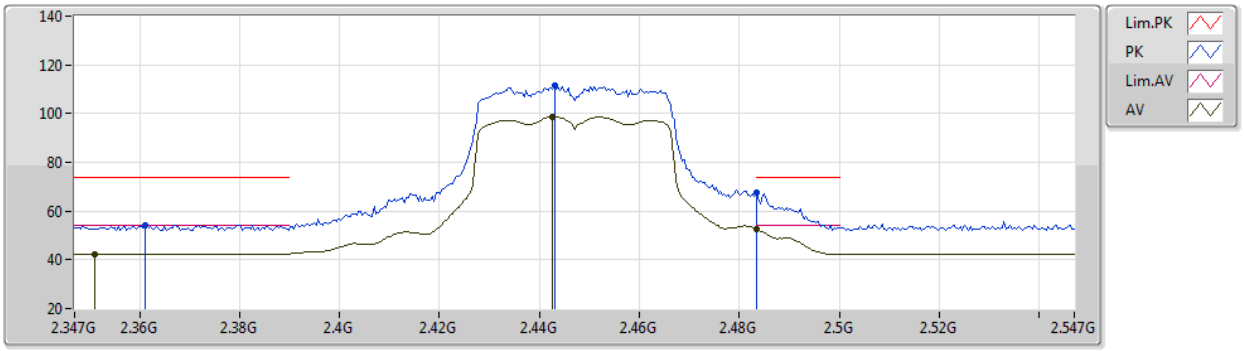
EUT Y_2TX
Setting 43
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.88152G	48.63	74.00	-25.37	44.16	3	Horizontal	2	1.80	-	31.14	5.00	31.67
AV	4.88012G	34.42	54.00	-19.58	29.96	3	Horizontal	2	1.80	-	31.14	5.00	31.68
PK	7.30836G	51.56	74.00	-22.44	42.25	3	Horizontal	317	2.99	-	36.37	6.10	33.16
AV	7.30874G	37.42	54.00	-16.58	28.11	3	Horizontal	317	2.99	-	36.37	6.10	33.16

802.11ax HEW40_Nss1,(MCS0)_2TX

2447MHz_TX

31/12/2020



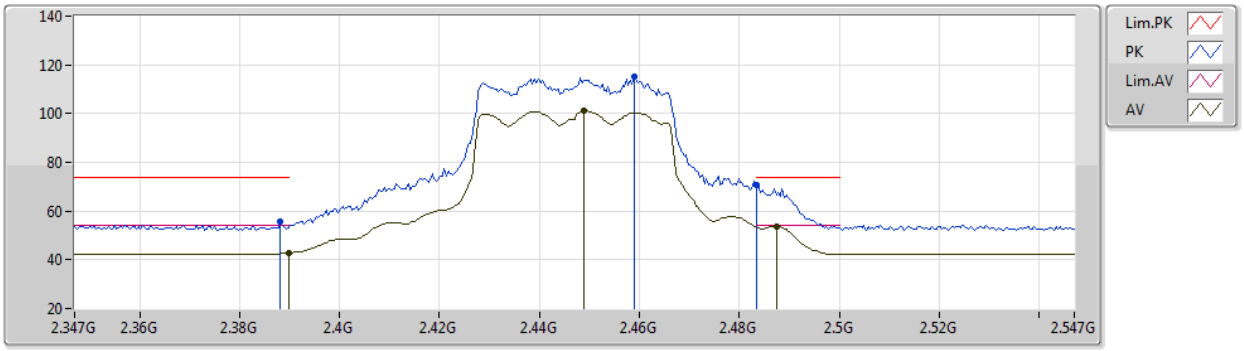
EUT Y_2TX
Setting 40
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.361G	54.30	74.00	-19.70	23.68	3	Vertical	317	1.64	-	27.60	3.02	-
AV	2.351G	42.41	54.00	-11.59	11.81	3	Vertical	317	1.64	-	27.60	3.00	-
PK	2.443G	111.40	Inf	-Inf	80.83	3	Vertical	317	1.64	-	27.43	3.14	-
AV	2.4426G	98.61	Inf	-Inf	68.04	3	Vertical	317	1.64	-	27.43	3.14	-
PK	2.4835G	67.43	74.00	-6.57	36.85	3	Vertical	317	1.64	-	27.40	3.18	-
AV	2.4835G	52.44	54.00	-1.56	21.86	3	Vertical	317	1.64	-	27.40	3.18	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2447MHz_TX

31/12/2020



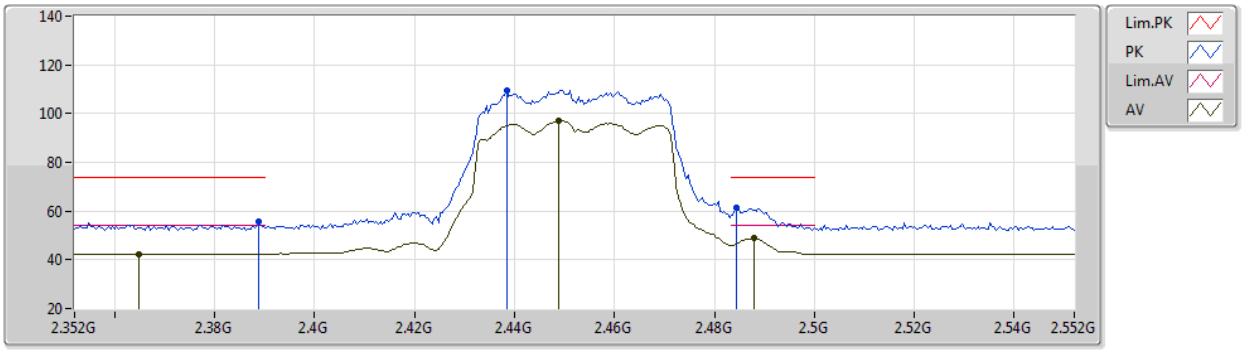
EUT Y_2TX
Setting 40
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3882G	55.87	74.00	-18.13	25.19	3	Horizontal	309	2.08	-	27.60	3.08	-
AV	2.3898G	42.73	54.00	-11.27	12.05	3	Horizontal	309	2.08	-	27.60	3.08	-
PK	2.459G	115.02	Inf	-Inf	84.46	3	Horizontal	309	2.08	-	27.40	3.16	-
AV	2.449G	100.97	Inf	-Inf	70.42	3	Horizontal	309	2.08	-	27.40	3.15	-
PK	2.4835G	70.69	74.00	-3.31	40.11	3	Horizontal	309	2.08	-	27.40	3.18	-
AV	2.4874G	53.71	54.00	-0.29	23.12	3	Horizontal	309	2.08	-	27.40	3.19	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX

31/12/2020



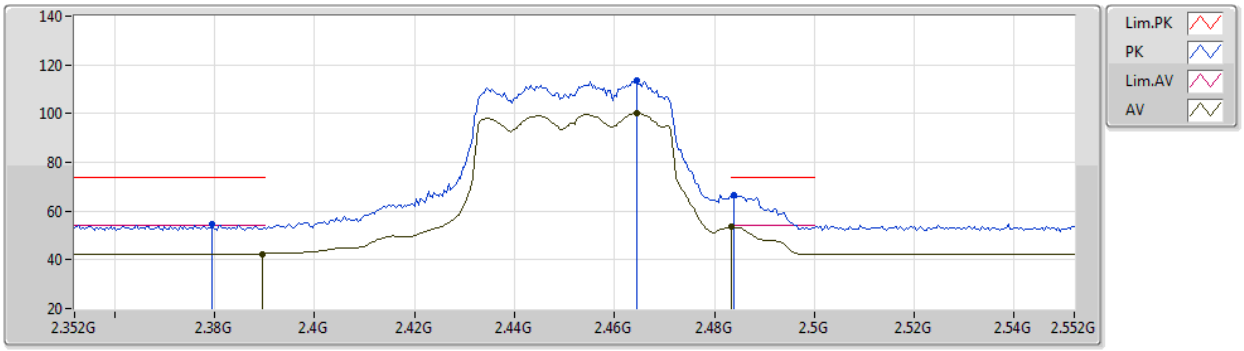
EUT Y_2TX
Setting 37
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3888G	55.57	74.00	-18.43	24.89	3	Vertical	294	1.42	-	27.60	3.08	-
AV	2.3648G	42.40	54.00	-11.60	11.77	3	Vertical	294	1.42	-	27.60	3.03	-
PK	2.4384G	109.68	Inf	-Inf	79.09	3	Vertical	294	1.42	-	27.45	3.14	-
AV	2.4488G	97.01	Inf	-Inf	66.46	3	Vertical	294	1.42	-	27.40	3.15	-
PK	2.4844G	61.61	74.00	-12.39	31.03	3	Vertical	294	1.42	-	27.40	3.18	-
AV	2.488G	48.72	54.00	-5.28	18.13	3	Vertical	294	1.42	-	27.40	3.19	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX

31/12/2020



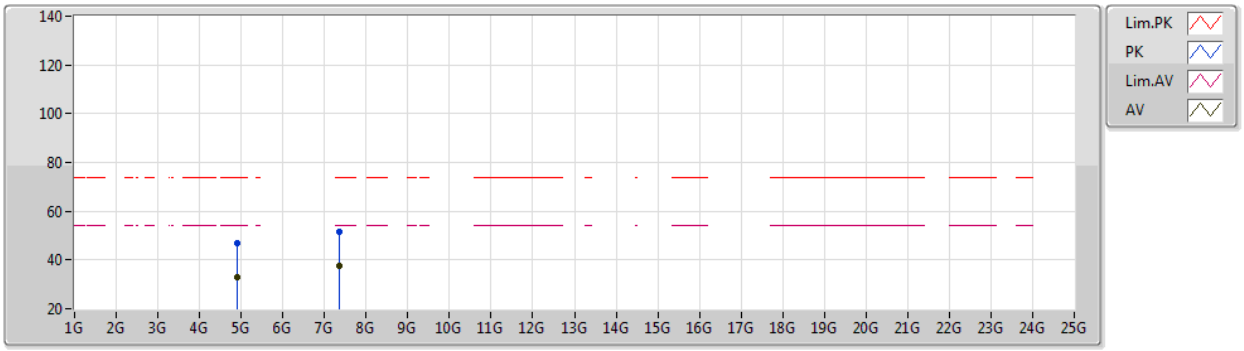
EUT Y_2TX
Setting 37
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3796G	54.43	74.00	-19.57	23.77	3	Horizontal	308	2.26	-	27.60	3.06	-
AV	2.3896G	42.43	54.00	-11.57	11.75	3	Horizontal	308	2.26	-	27.60	3.08	-
PK	2.4644G	113.83	Inf	-Inf	83.27	3	Horizontal	308	2.26	-	27.40	3.16	-
AV	2.4644G	100.17	Inf	-Inf	69.61	3	Horizontal	308	2.26	-	27.40	3.16	-
PK	2.484G	66.53	74.00	-7.47	35.95	3	Horizontal	308	2.26	-	27.40	3.18	-
AV	2.4835G	53.38	54.00	-0.62	22.80	3	Horizontal	308	2.26	-	27.40	3.18	-

802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX

31/12/2020



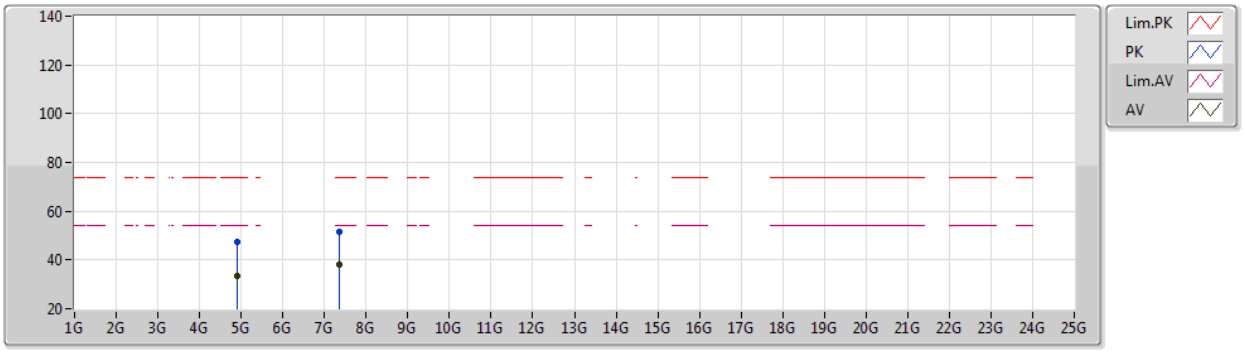
EUT Y_2TX
Setting 37
06-F-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.9005G	46.74	74.00	-27.26	42.29	3	Vertical	281	1.42	-	31.10	5.00	31.65
AV	4.9013G	32.96	54.00	-21.04	28.50	3	Vertical	281	1.42	-	31.11	5.00	31.65
PK	7.35856G	51.39	74.00	-22.61	42.27	3	Vertical	43	2.27	-	36.20	6.10	33.18
AV	7.35746G	37.44	54.00	-16.56	28.32	3	Vertical	43	2.27	-	36.20	6.10	33.18

802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX

31/12/2020



EUT Y_2TX
Setting 37
06-F-R-5

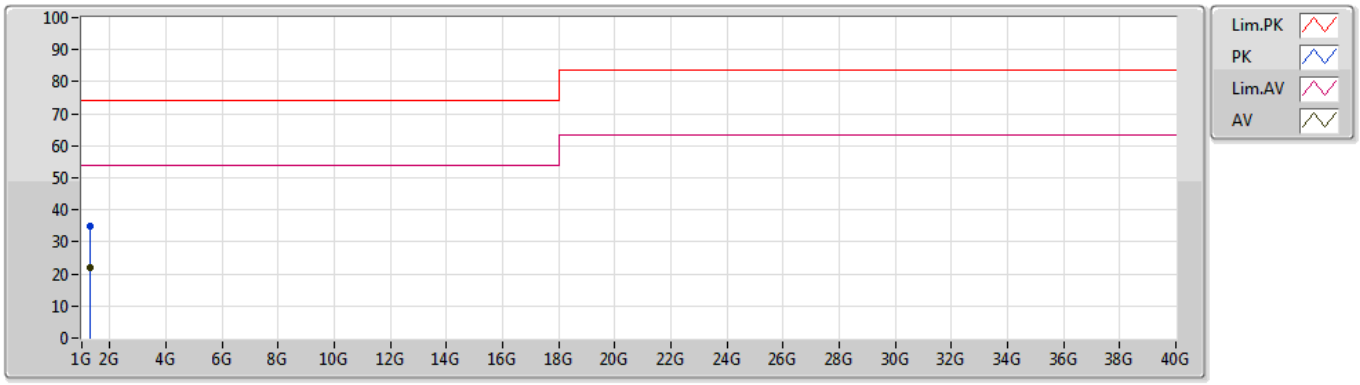
Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.90042G	47.46	74.00	-26.54	43.01	3	Horizontal	180	2.05	-	31.10	5.00	31.65
AV	4.89942G	33.19	54.00	-20.81	28.74	3	Horizontal	180	2.05	-	31.10	5.00	31.65
PK	7.35192G	51.62	74.00	-22.38	42.50	3	Horizontal	64	1.80	-	36.20	6.10	33.18
AV	7.35208G	37.92	54.00	-16.08	28.80	3	Horizontal	64	1.80	-	36.20	6.10	33.18

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	1.29724G	21.81	54.00	-32.19	Vertical

Mode 1

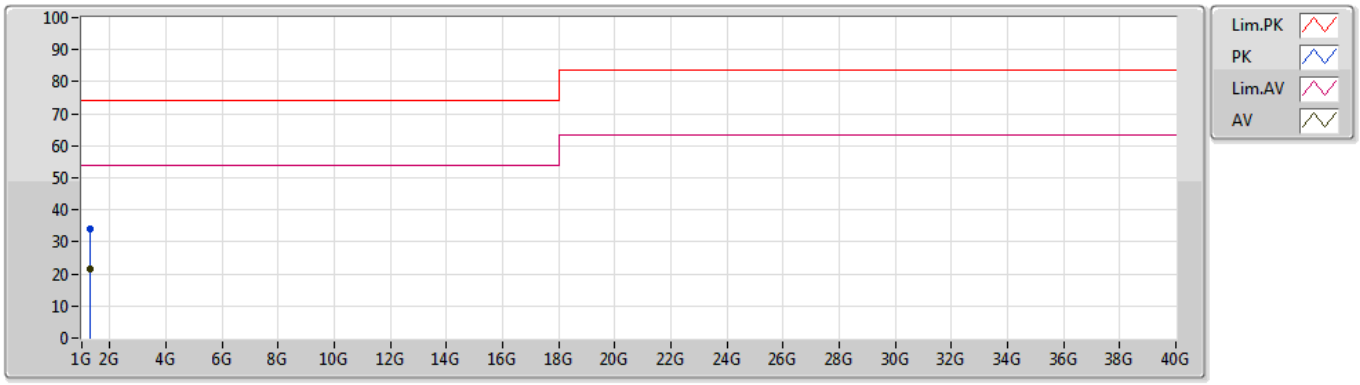
28/01/2021



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	1.30475G	34.74	74.00	-39.26	-8.54	3	Vertical	328	1.44	-	43.28	25.03	2.80	36.37
AV	1.29724G	21.81	54.00	-32.19	-8.62	3	Vertical	328	1.44	"Worst"	30.43	24.98	2.80	36.40

Mode 1

28/01/2021



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	1.3013G	34.05	74.00	-39.95	-8.58	3	Horizontal	223	1.00	-	42.63	25.01	2.80	36.39
AV	1.30944G	21.73	54.00	-32.27	-8.48	3	Horizontal	223	1.00	"Worst"	30.21	25.06	2.81	36.35