

Testing Laboratory
3787

RADIO TEST REPORT

FCC ID : VW3FAST3890
Equipment : DOCSIS Wireless Router
Brand Name : SAGEMCOM
Model Name : F@ST 3890 V3 LLA
Applicant : SAGEMCOM BROADBAND SAS
250 Route de l'Empereur - 92848 RUEIL
MALMAISON CEDEX- FRANCE
Manufacturer : SAGEMCOM BROADBAND SAS
250 Route de l'Empereur - 92848 RUEIL
MALMAISON CEDEX- FRANCE
Standard : 47 CFR FCC Part 15.247

The product was received on Mar. 04, 2021, and testing was started from Mar. 04, 2021 and completed on Mar. 29, 2021. We, Sporton International Inc. Hsinchu 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. Hsinchu Laboratory, the test report shall not be reproduced except in full.

Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory

No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)



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History of this test report

TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB-A10_10 Ver1.3

Page Number : 3 of 28
Issued Date : Apr. 26, 2021
Report Version : 01



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: Viola Huang



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	2412-2462	1-11 [11]
2400-2483.5	n (HT40), VHT40	2422-2452	3-9 [7]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	4
2.4-2.4835GHz	802.11g	20	4
2.4-2.4835GHz	802.11n HT20	20	4
2.4-2.4835GHz	VHT20	20	4
2.4-2.4835GHz	802.11n HT40	40	4
2.4-2.4835GHz	VHT40	40	4

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, 1024QAM modulation.
- ♦ BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	2.4GHz Port	5GHz Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	1	4	UC3WFI0256A	UC3WFI0256A	Dipole Antenna	I-PEX	Note 1
2	2	3	UC3WFI0220A	UC3WFI0220A	Dipole Antenna	I-PEX	
3	3	2	UC3WFI0221A	UC3WFI0221A	Dipole Antenna	I-PEX	
4	4	1	UC3WFI0258A	UC3WFI0258A	Dipole Antenna	I-PEX	

Note 1:

Ant.	Gain (dBi)		
	2.4GHz	5GHz Band 1	5GHz Band 4
1	4.43	3.21	2.5
2	3.68	3.75	2.27
3	4.2	3.39	2.53
4	2.96	3.39	3.94
Directional Gain (dBi) (4T1S)	5.88	5.05	5.21

Note 2: The above information was declared by manufacturer.

For 2.4GHz WLAN function

IEEE 802.11b/g/n/VHT mode (4TX/4RX):

Port 1, port 2, port 3 and port 4 can be used as transmitting/receiving antenna.

Port 1, port 2, port 3 and port 4 could transmit/receive simultaneously.

For 5GHz WLAN function

IEEE 802.11a/n/ac mode (4TX/4RX):

Port 1, port 2, port 3 and port 4 can be used as transmitting/receiving antenna.

Port 1, port 2, port 3 and port 4 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11a	0.953	0.21	2.068m	1k
802.11ac VHT20	0.985	0.07	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ac VHT40	0.972	0.12	953.75u	3k
802.11ac VHT80	0.942	0.26	460.625u	3k

Note:

- ♦ DC is Duty Cycle.
- ♦ DCF is Duty Cycle Factor.

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☐	With beamforming	☒	Without beamforming
Function	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	Mtool 3.2.1.1			

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 Information	
Test Lab. : Sporton International Inc. Hsinchu Laboratory	
Hsinchu	ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)
(TAF: 3787)	TEL: 886-3-656-9065 FAX: 886-3-656-9085
	Test site Designation No. TW3787 with FCC.
	Conformity Assessment Body Identifier (CABID) TW3787 with ISCED.

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH02-CB	Lucas Huang	20.5-20.9 / 51-57	Mar. 08, 2021
Radiated (For below 1GHz and co-location)	03CH05-CB	Gino Huang	20.4-21.5 / 57-59	Mar. 04, 2021~Mar. 25, 2021
Radiated (For above 1GHz)	03CH01-CB	Gino Huang	20.1-21.3 / 56-58	Mar. 04, 2021~Mar. 25, 2021
AC Conduction	CO02-CB	Wei Li	23~24 / 56~59	Mar. 29, 2021

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)_4TX	-
2412MHz	89
2437MHz	91
2462MHz	86
802.11g_Nss1,(6Mbps)_4TX	-
2412MHz	70
2417MHz	91
2437MHz	100
2457MHz	84
2462MHz	69
VHT20_Nss1,(MCS0)_4TX	-
2412MHz	73
2417MHz	86
2437MHz	99
2457MHz	84
2462MHz	71
VHT40_Nss1,(MCS0)_4TX	-
2422MHz	60
2437MHz	70
2452MHz	60

Note:

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

2.2 Test Voltage

120 V / 60 Hz

2.3 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	EUT_2.4GHz + Adpater
2	EUT_5GHz + Adpater
For operating mode 1 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
1	EUT_2.4GHz + Adpater
2	EUT_5GHz + Adpater
For operating mode 2 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX

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
1	WLAN 2.4GHz + WLAN 5GHz
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
Refer to Sporton Test Report No.: FA130211 for Co-location RF Exposure Evaluation.	

Note: The EUT can only be used at Y axis position.

2.4 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link:

During the test, the EUT operation to normal function.

2.5 Accessories

Accessories			
Equipment Name	Brand Name	Model Name	Rating
Adapter	Sagemcom	NBS42E120350VU	INPUT: 100-240V ~ 50/60Hz, 1.0A OUTPUT: 12V, 3.5A

2.6 Support Equipment

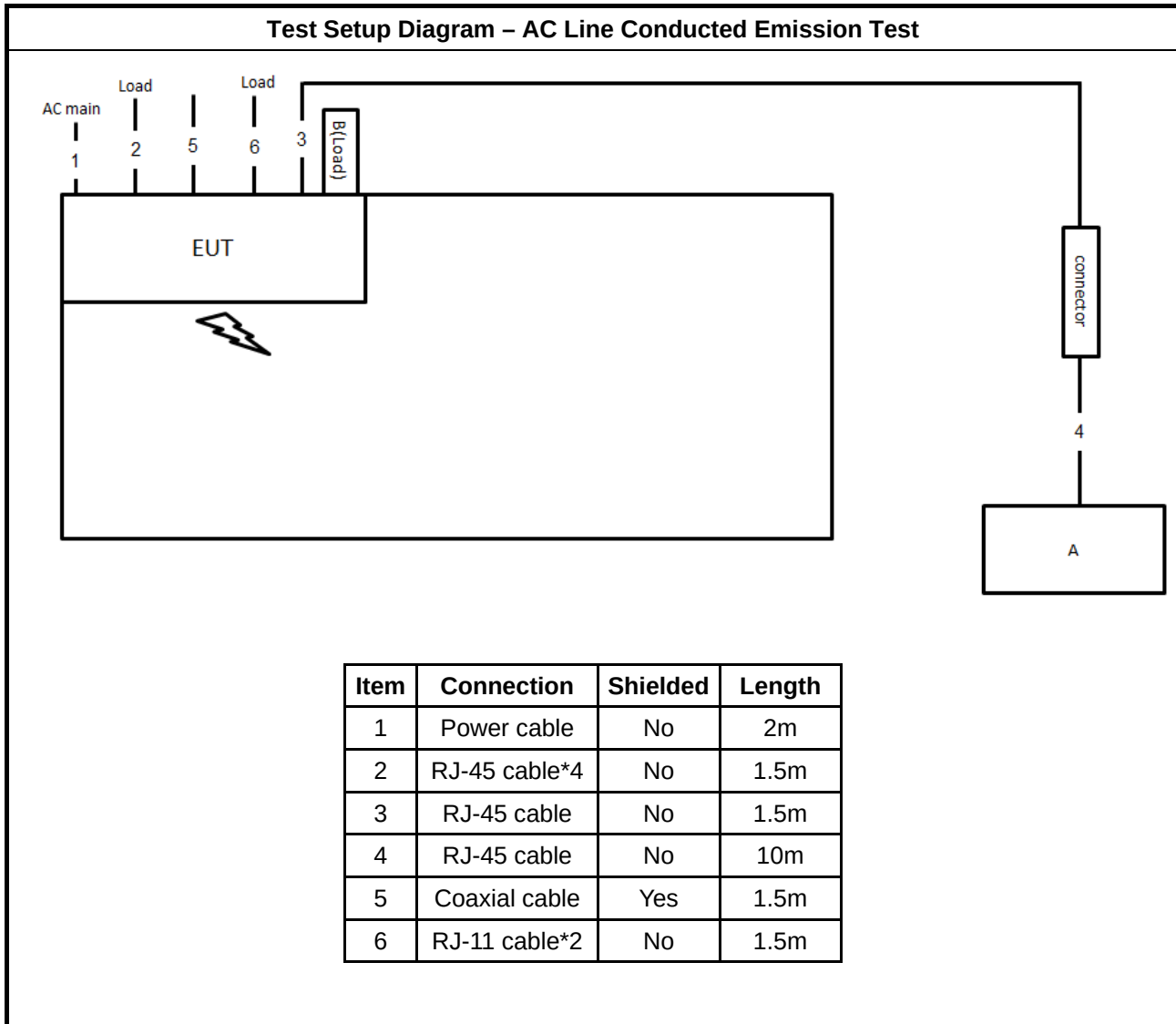
For AC Conduction:

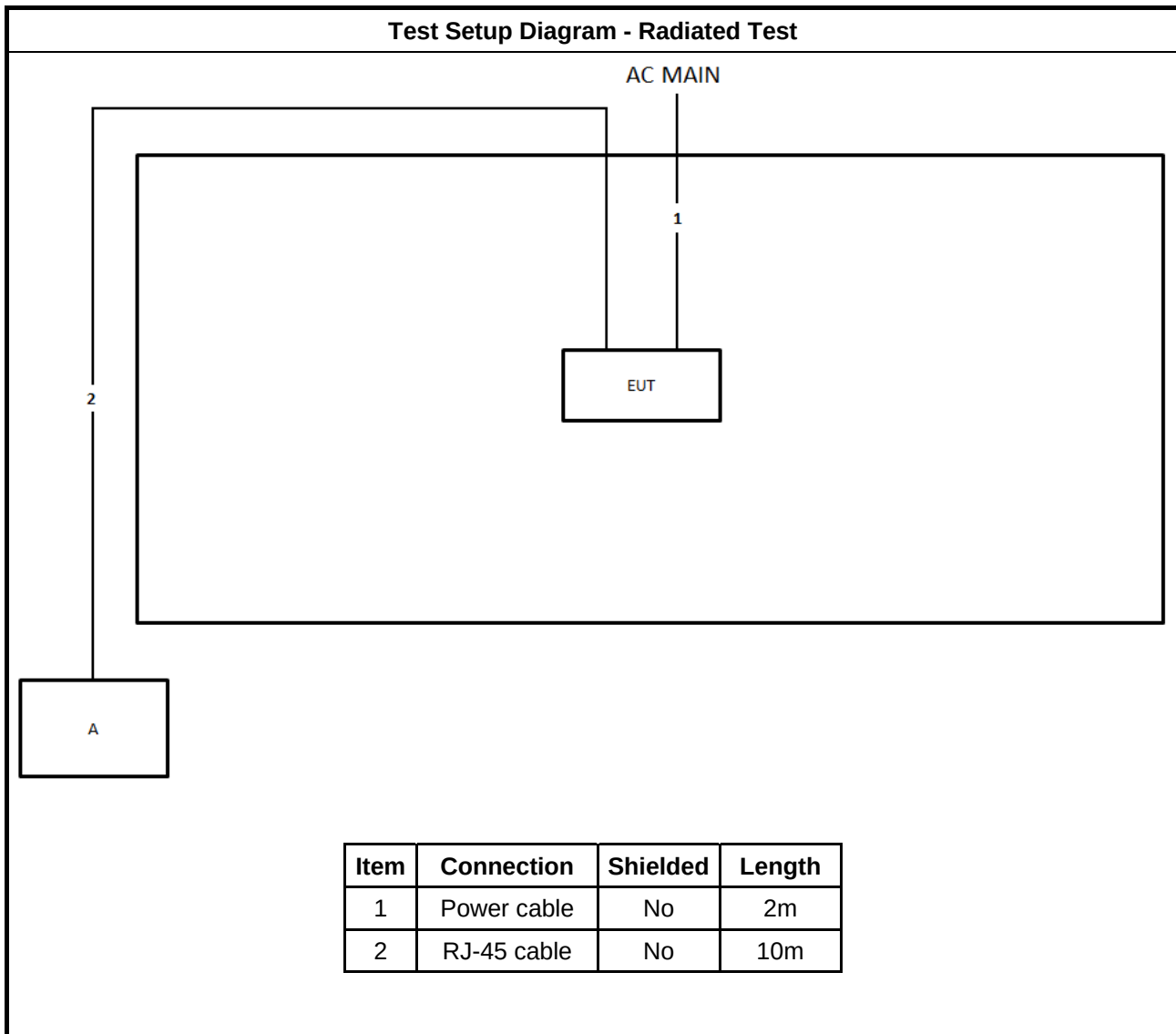
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	LAN NB	DELL	E6430	N/A
B	Flash disk3.0	Transcend	JetFlash-700	N/A

For Radiated and RF Conducted:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A

2.7 Test Setup Diagram



Test Setup Diagram - Radiated Test




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.

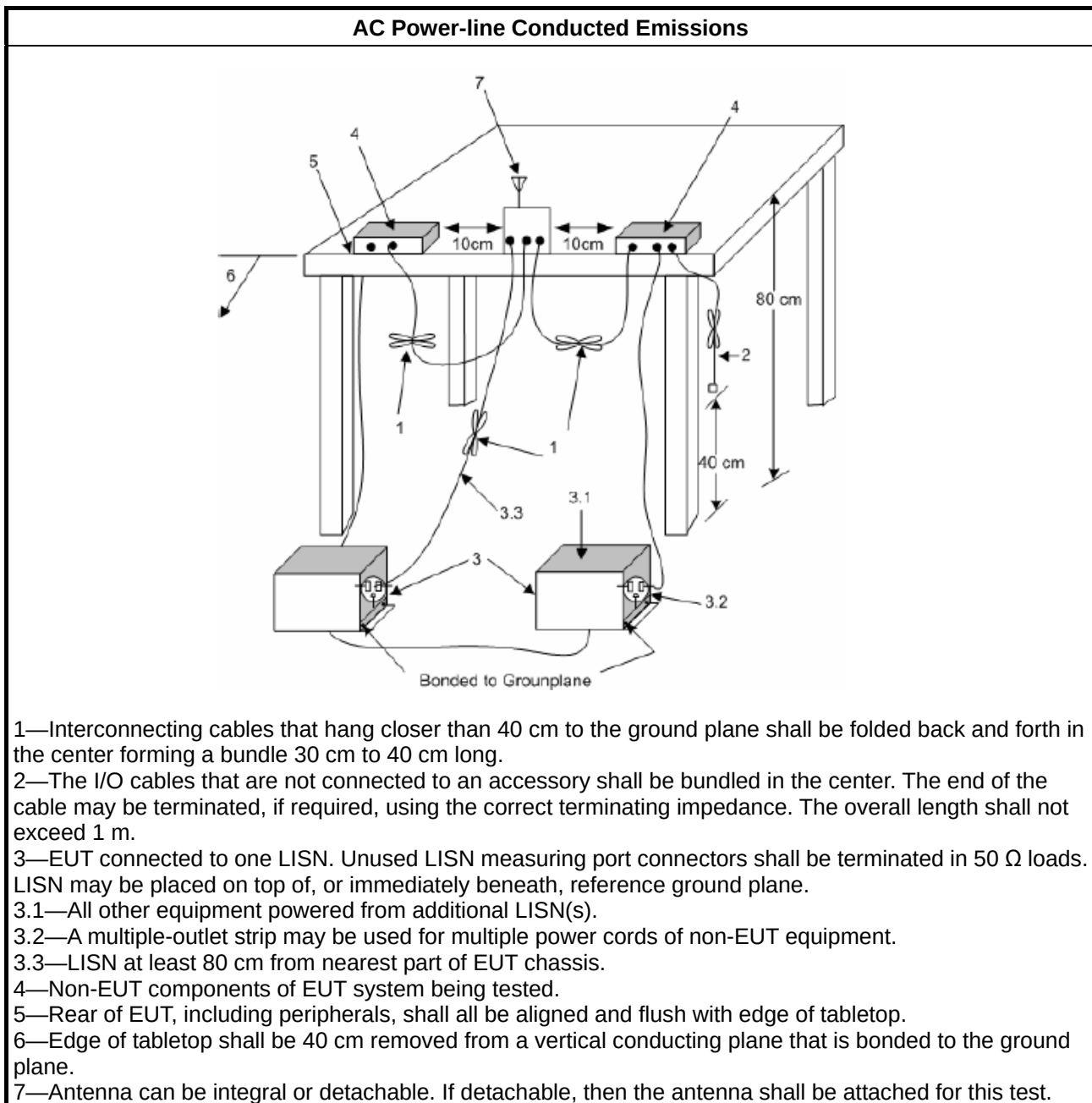
3.1.2 Measuring Instruments

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



3.1.5 Measurement Results Calculation

The measured Level is calculated using:

- Corrected Reading: LISN Factor (LISN) + Attenuator (AT/AUX) + Cable Loss (CL) + Read Level (Raw) = Level
- 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 $\geq$ 500 kHz.

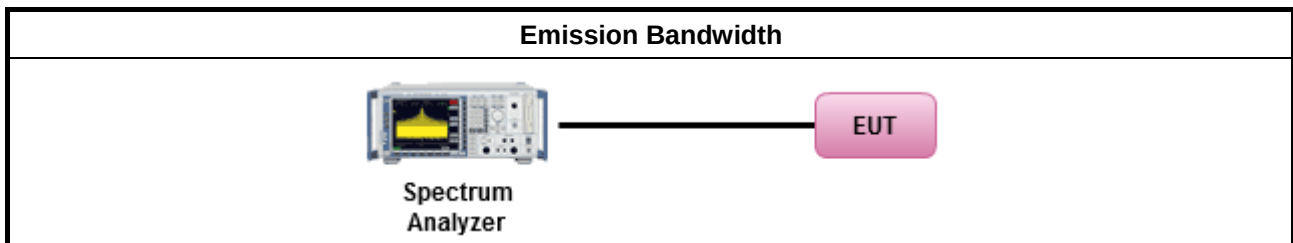
3.2.2 Measuring Instruments

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



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.	

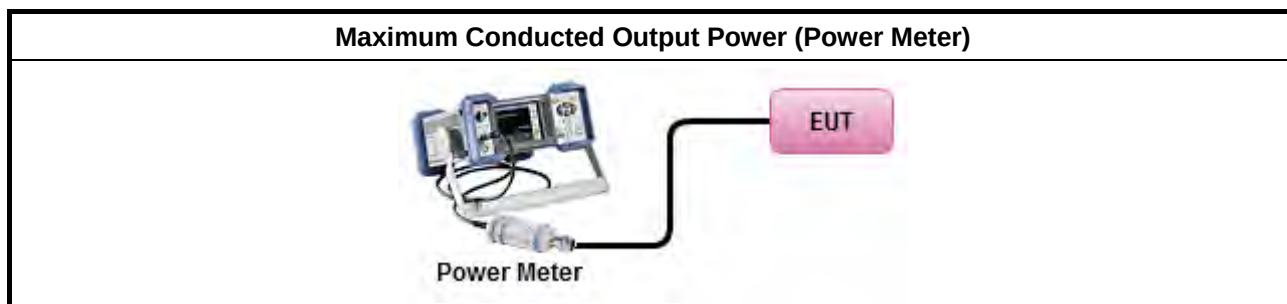
3.3.2 Measuring Instruments

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: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$	

3.3.4 Test Setup



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

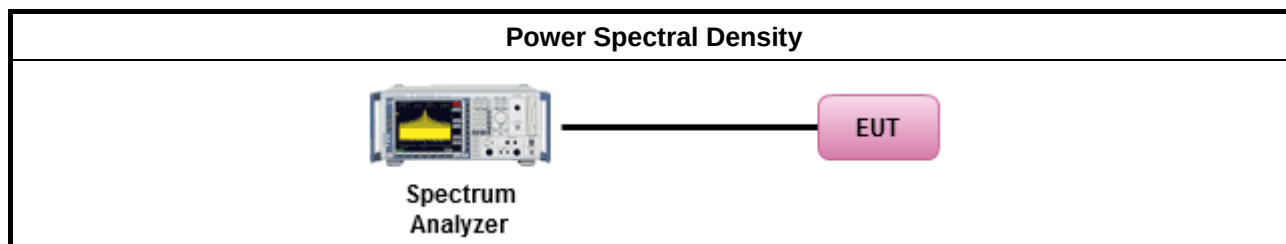
3.4.2 Measuring Instruments

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



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.	

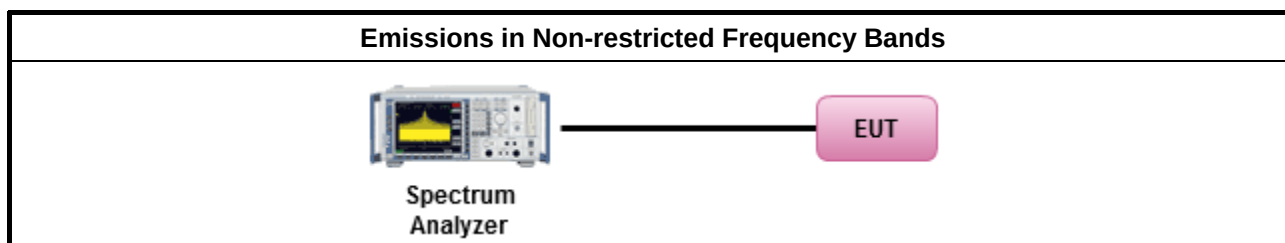
3.5.2 Measuring Instruments

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



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

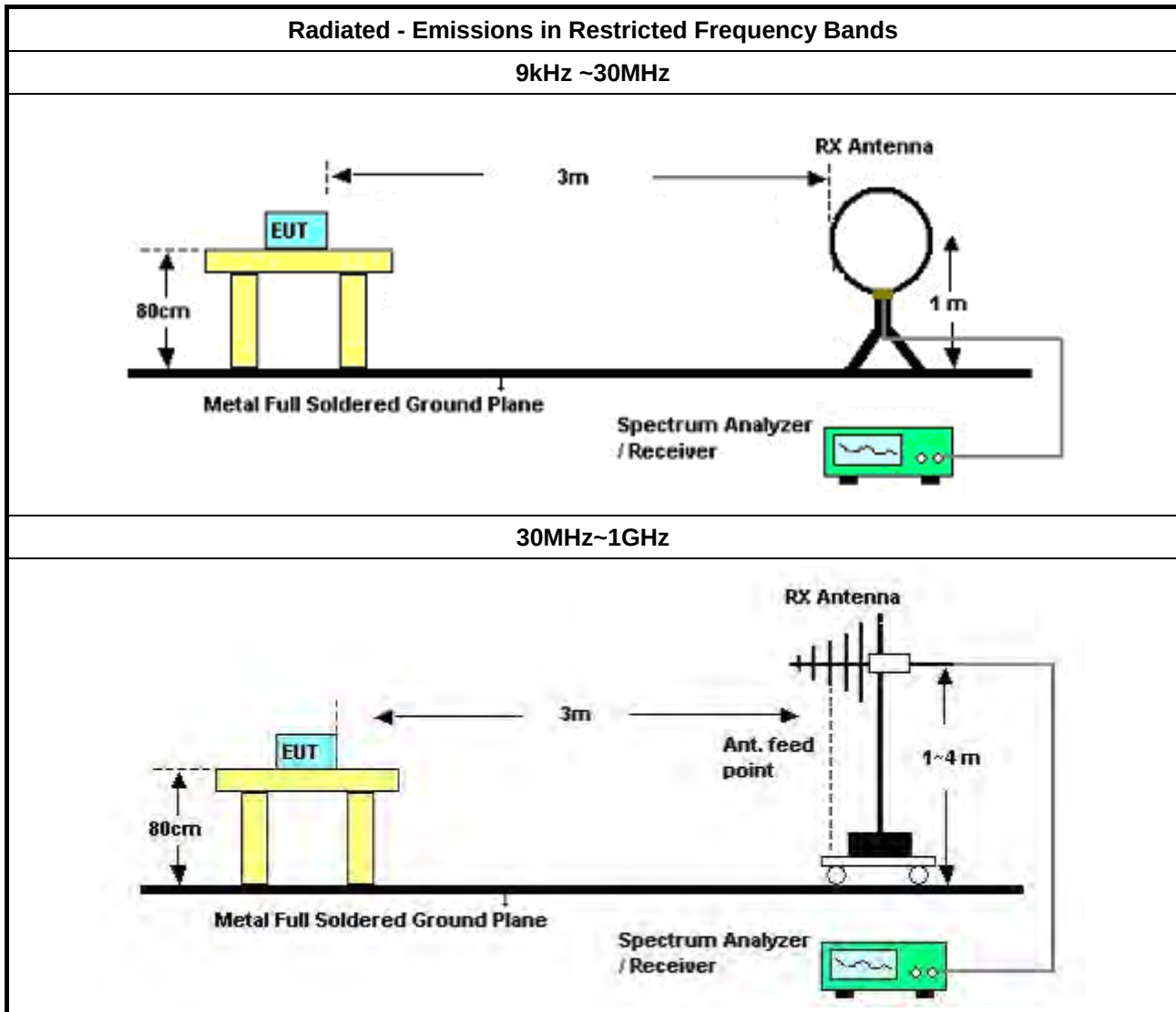
Refer a test equipment and calibration data table in this test report.

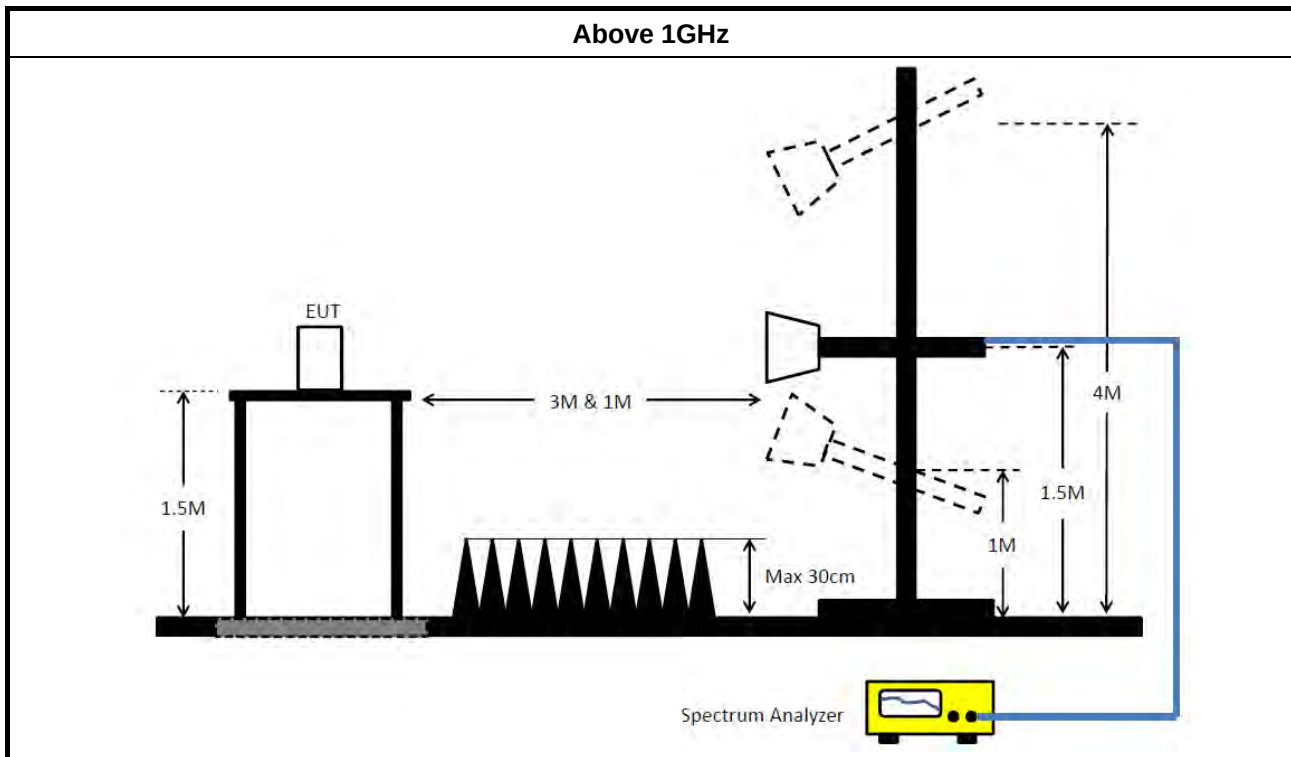


3.6.3 Test Procedures

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 $\geq 98\%$).
	☐ 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 $\geq 1/T$).
	☐ Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW $\geq 1/T$, 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





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
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Dec. 04, 2020	Dec. 03, 2021	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Nov. 20, 2020	Nov. 19, 2021	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Mar. 03, 2021	Mar. 02, 2022	Conduction (CO02-CB)
COND Cable	Woken	Cable	2	0.15MHz~30MHz	Oct. 20, 2020	Oct. 19, 2021	Conduction (CO02-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO02-CB)
Pulse Limiter	Schwarzbeck	VTSD 9561F-N	00378	9kHz ~ 30MHz	Mar. 18, 2021	Mar. 17, 2022	Conduction (CO02-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Apr. 13, 2020	Apr. 12, 2021	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 10, 2020	Aug. 09, 2021	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH05-CB	1GHz ~18GHz 3m	Nov. 08, 2020	Nov. 07, 2021	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 27, 2020	Mar. 26, 2021	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120 D-1291	1GHz~18GHz	Sep. 05, 2020	Sep. 04, 2021	Radiation (03CH05-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	Apr. 28, 2020	Apr. 27, 2021	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC12630SE	980287	1GHz ~ 26.5GHz	Jul. 03, 2020	Jul. 02, 2021	Radiation (03CH05-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Nov. 10, 2020	Nov. 09, 2021	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	May 13, 2020	May 12, 2021	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH05-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 (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 29, 2020	May 28, 2021	Radiation (03CH01-CB)
Horn Antenna	ETS-LINDGR EN	3115	00075790	750MHz ~ 18GHz	Nov. 06, 2020	Nov. 05, 2021	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 07, 2021	Jan. 06, 2022	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Apr. 16, 2020	Apr. 15, 2021	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Jul. 27, 2020	Jul. 26, 2021	Conducted (TH02-CB)
Power Sensor	Anritsu	MA2411B	1126203	300MHz~40GHz	Sep. 17, 2020	Sep. 16, 2021	Conducted (TH02-CB)
Power Meter	Anritsu	ML2495A	1210004	300MHz~40GHz	Sep. 17, 2020	Sep. 16, 2021	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1 GHz ~ 18 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz ~ 18 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-03	1 GHz ~ 18 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-04	1 GHz ~ 18 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-05	1 GHz ~ 18 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH02-CB)

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

N.C.R. means Non-Calibration required.



Conducted Emissions at Powerline

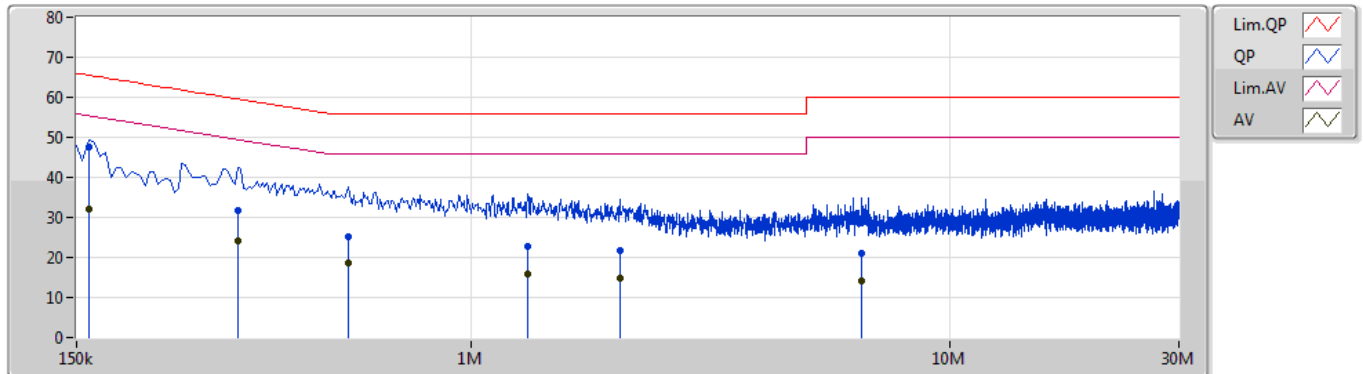
Appendix A

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	159k	47.52	65.52	-18.00	Line

Mode 1

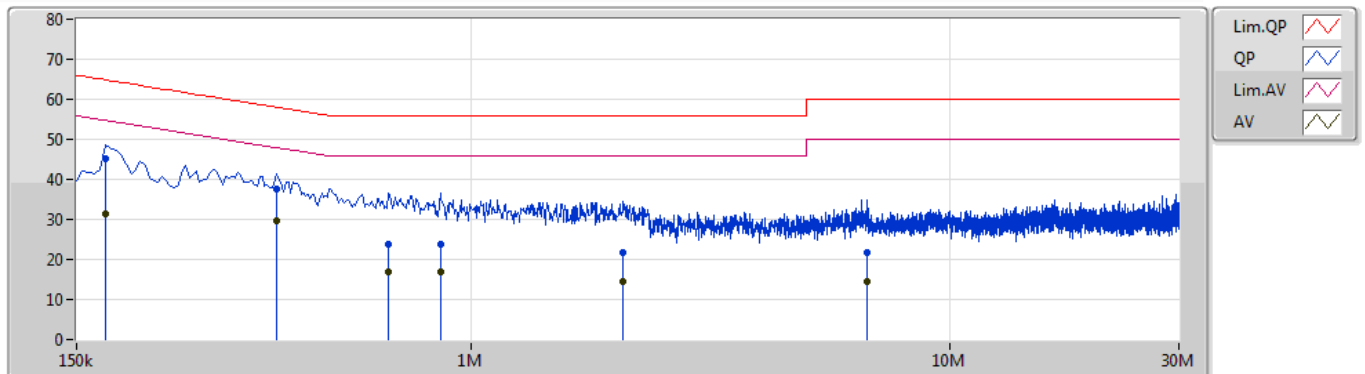
29/03/2021



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	159k	47.52	65.52	-18.00	10.29	Line	"Worst"	37.23	0.07	0.07	10.15			
AV	159k	31.92	55.52	-23.60	10.29	Line	-	21.63	0.07	0.07	10.15			
QP	325.5k	31.70	59.56	-27.86	10.26	Line	-	21.44	0.08	0.06	10.12			
AV	325.5k	24.26	49.56	-25.30	10.26	Line	-	14.00	0.08	0.06	10.12			
QP	555k	25.25	56.00	-30.75	10.26	Line	-	14.99	0.08	0.07	10.11			
AV	555k	18.47	46.00	-27.53	10.26	Line	-	8.21	0.08	0.07	10.11			
QP	1.311M	22.81	56.00	-33.19	10.30	Line	-	12.51	0.10	0.09	10.11			
AV	1.311M	15.86	46.00	-30.14	10.30	Line	-	5.56	0.10	0.09	10.11			
QP	2.045M	21.75	56.00	-34.25	10.34	Line	-	11.41	0.11	0.10	10.13			
AV	2.045M	14.67	46.00	-31.33	10.34	Line	-	4.33	0.11	0.10	10.13			
QP	6.545M	21.20	60.00	-38.80	10.50	Line	-	10.70	0.21	0.18	10.11			
AV	6.545M	14.18	50.00	-35.82	10.50	Line	-	3.68	0.21	0.18	10.11			

Mode 1

29/03/2021



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	172.5k	45.03	64.83	-19.80	10.29	Neutral	-	34.74	0.06	0.07	10.16			
AV	172.5k	31.45	54.83	-23.38	10.29	Neutral	-	21.16	0.06	0.07	10.16			
QP	393k	37.69	58.01	-20.32	10.23	Neutral	-	27.46	0.06	0.06	10.11			
AV	393k	29.51	48.01	-18.50	10.23	Neutral	"Worst"	19.28	0.06	0.06	10.11			
QP	672k	23.81	56.00	-32.19	10.24	Neutral	-	13.57	0.07	0.07	10.10			
AV	672k	17.03	46.00	-28.97	10.24	Neutral	-	6.79	0.07	0.07	10.10			
QP	861k	23.92	56.00	-32.08	10.26	Neutral	-	13.66	0.08	0.08	10.10			
AV	861k	16.96	46.00	-29.04	10.26	Neutral	-	6.70	0.08	0.08	10.10			
QP	2.076M	21.76	56.00	-34.24	10.32	Neutral	-	11.44	0.09	0.10	10.13			
AV	2.076M	14.61	46.00	-31.39	10.32	Neutral	-	4.29	0.09	0.10	10.13			
QP	6.716M	21.56	60.00	-38.44	10.48	Neutral	-	11.08	0.18	0.19	10.11			
AV	6.716M	14.44	50.00	-35.56	10.48	Neutral	-	3.96	0.18	0.19	10.11			

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)_4TX	8.55M	12.85M	12M8G1D	7.55M	11.325M
802.11g_Nss1,(6Mbps)_4TX	16.325M	32.884M	32M9D1D	13.875M	16.317M
VHT20_Nss1,(MCS0)_4TX	17.55M	33.133M	33M1D1D	15M	17.591M
VHT40_Nss1,(MCS0)_4TX	36.35M	36.632M	36M6D1D	36.3M	36.332M

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

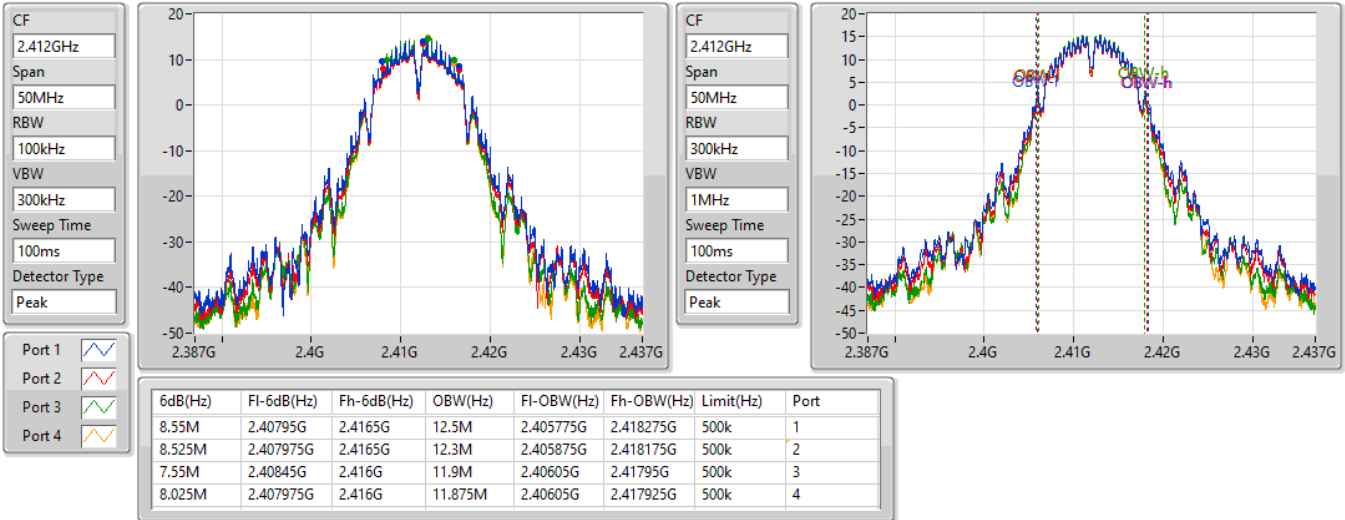
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	8.55M	12.5M	8.525M	12.3M	7.55M	11.9M	8.025M	11.875M
2417MHz										
2437MHz	Pass	500k	8.525M	12.85M	8.525M	12.825M	8.025M	12.025M	8.55M	12.025M
2457MHz										
2462MHz	Pass	500k	8.05M	11.95M	7.55M	11.975M	8.025M	11.375M	8.025M	11.325M
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	15.05M	16.725M	13.875M	16.625M	15.075M	16.5M	15.075M	16.525M
2417MHz										
2437MHz	Pass	500k	16.325M	32.884M	16.025M	31.209M	15.375M	27.561M	16.25M	28.686M
2457MHz										
2462MHz	Pass	500k	15.025M	16.467M	15.05M	16.417M	15.1M	16.317M	15.05M	16.367M
VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	15.1M	17.691M	15.675M	17.666M	15.075M	17.616M	15.075M	17.616M
2417MHz	Pass	500k	15.075M	19.965M	15.65M	19.04M	15.075M	18.016M	15M	18.066M
2437MHz	Pass	500k	16.875M	33.133M	17.55M	31.859M	15.375M	27.436M	16.925M	28.761M
2457MHz										
2462MHz	Pass	500k	15.325M	17.716M	15.675M	17.641M	15.025M	17.591M	15.05M	17.591M
VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	36.3M	36.532M	36.35M	36.332M	36.3M	36.382M	36.35M	36.332M
2437MHz	Pass	500k	36.3M	36.632M	36.3M	36.382M	36.35M	36.382M	36.35M	36.432M
2452MHz	Pass	500k	36.3M	36.482M	36.35M	36.332M	36.3M	36.332M	36.35M	36.332M

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

802.11b_Nss1,(1Mbps)_4TX

EBW
2412MHz

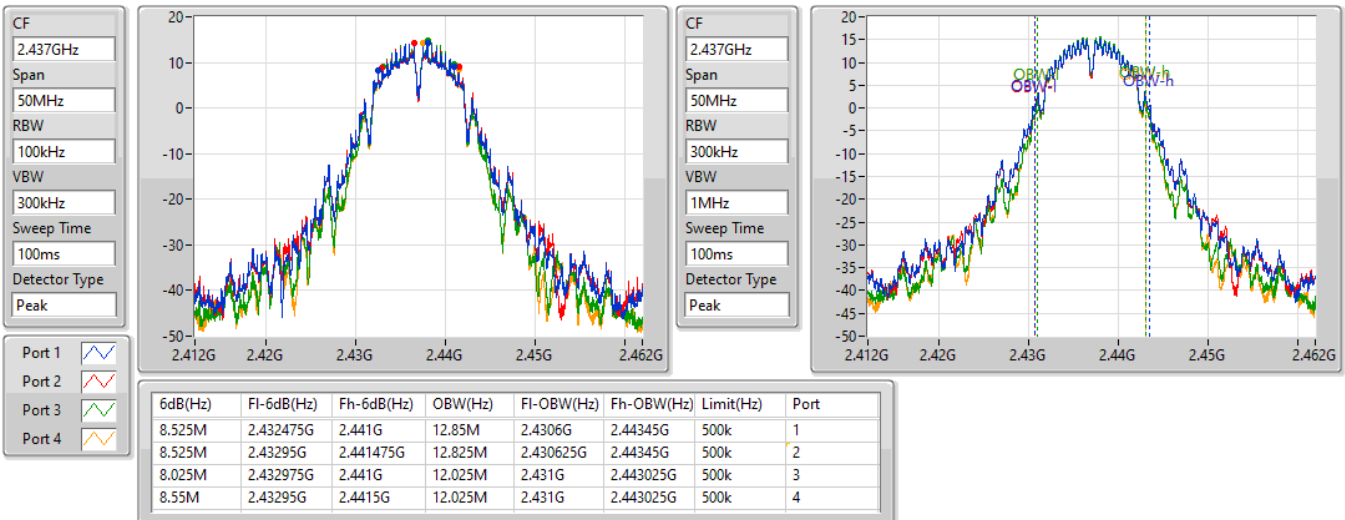
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802.11b_Nss1,(1Mbps)_4TX

EBW
2437MHz

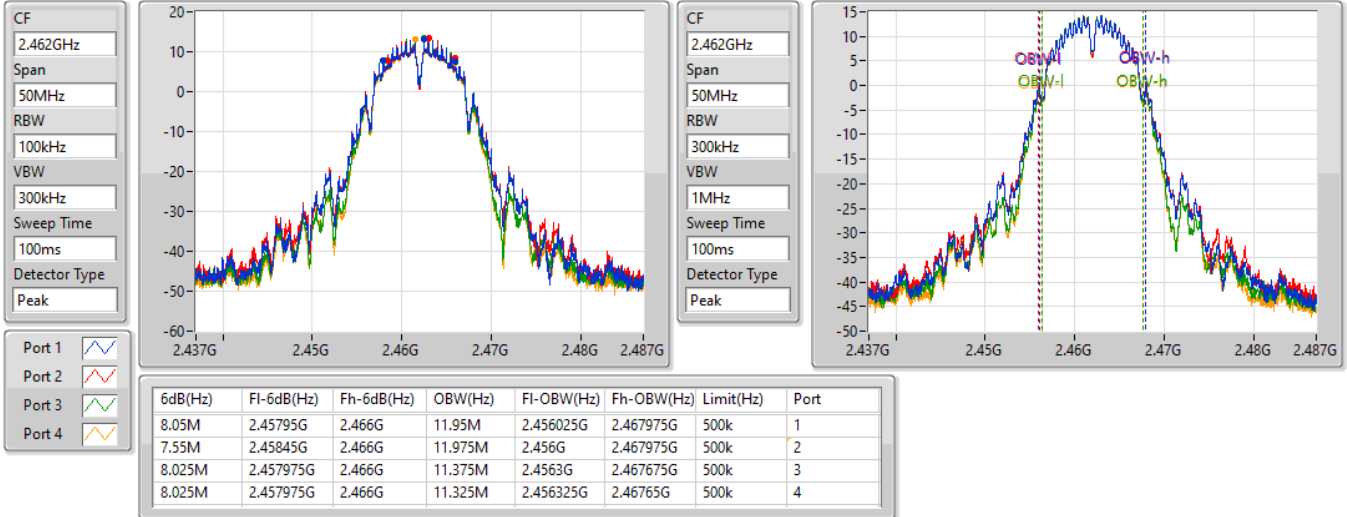
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802.11b_Nss1,(1Mbps)_4TX

EBW
2462MHz

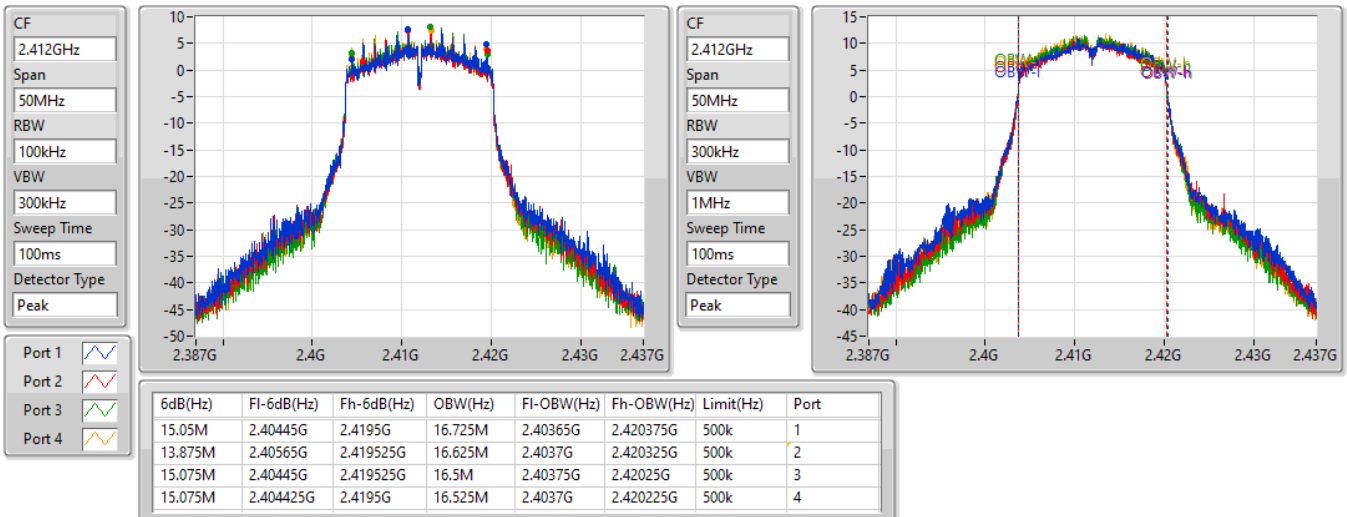
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802.11g_Nss1,(6Mbps)_4TX

EBW
2412MHz

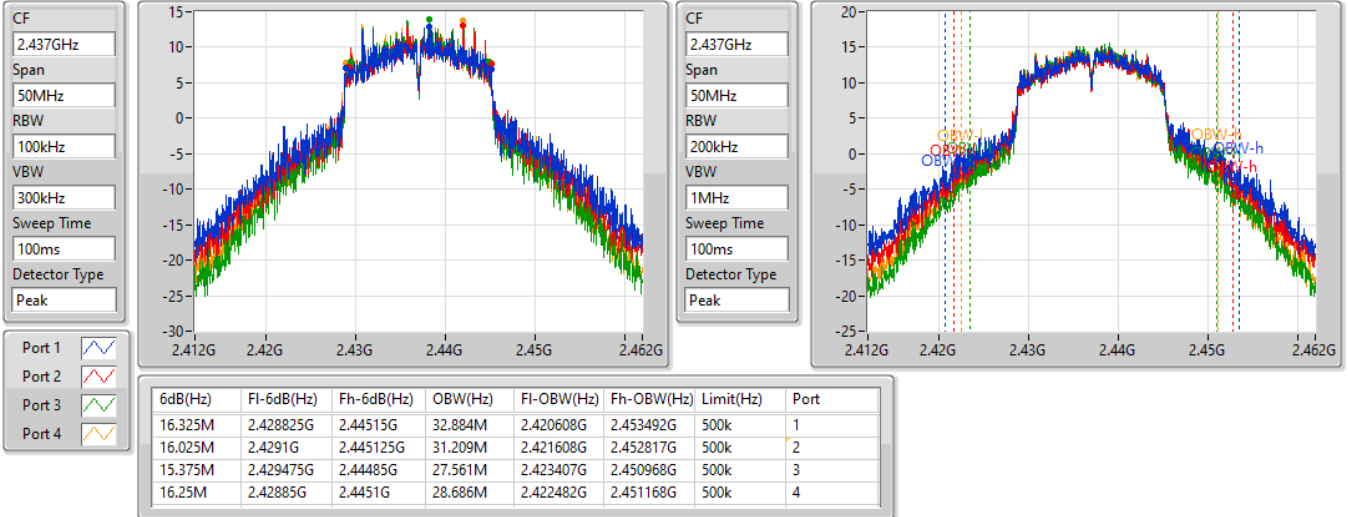
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802.11g_Nss1,(6Mbps)_4TX

EBW
2437MHz

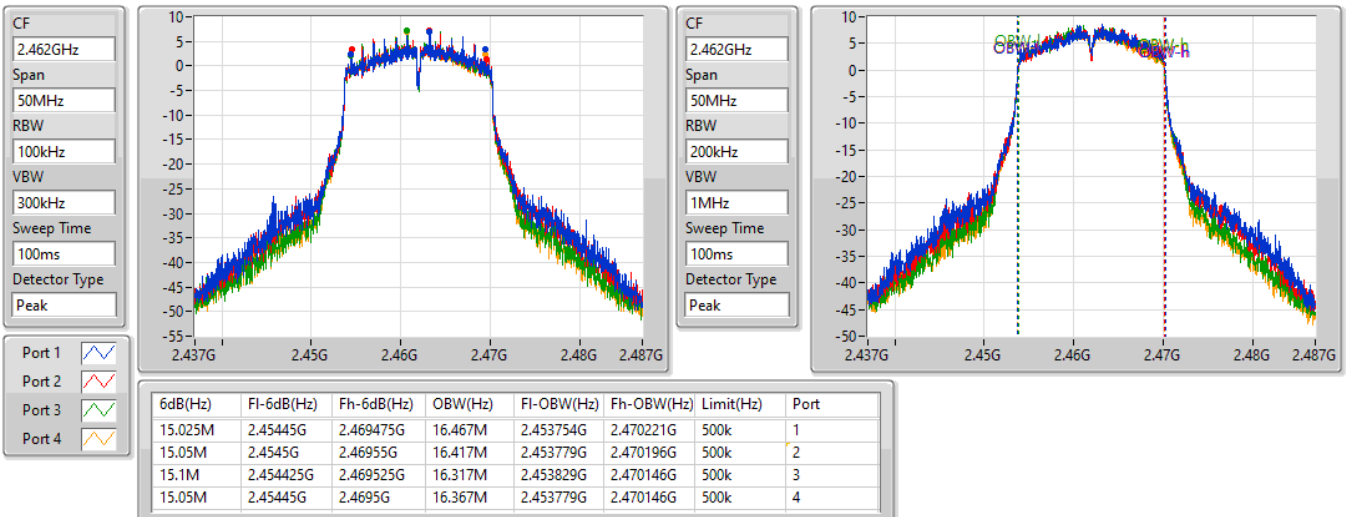
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802.11g_Nss1,(6Mbps)_4TX

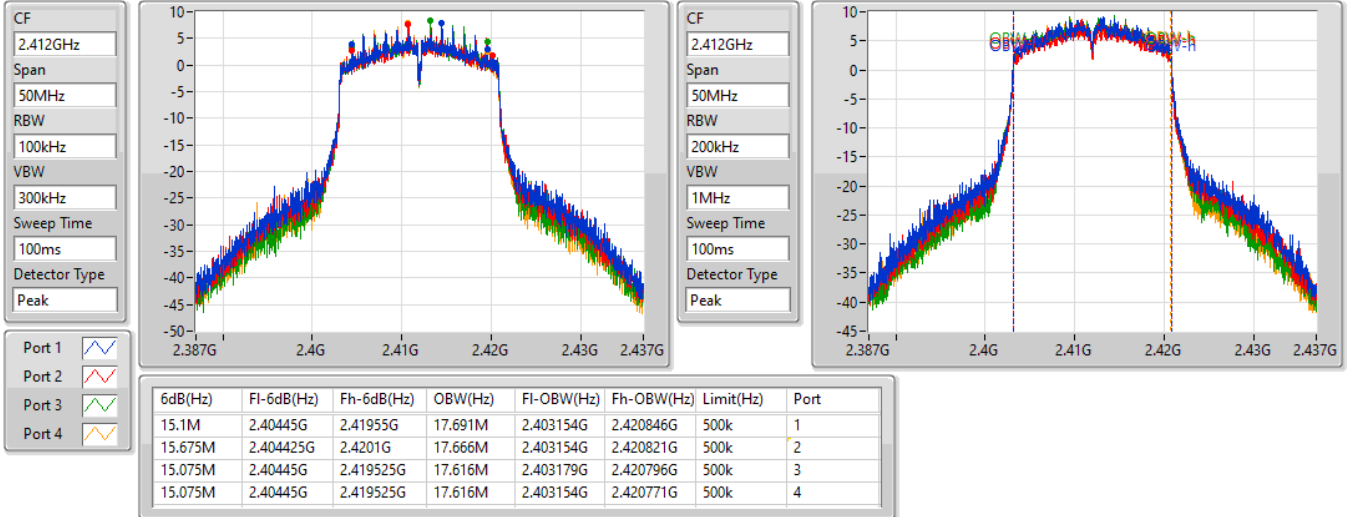
EBW
2462MHz

08/03/2021

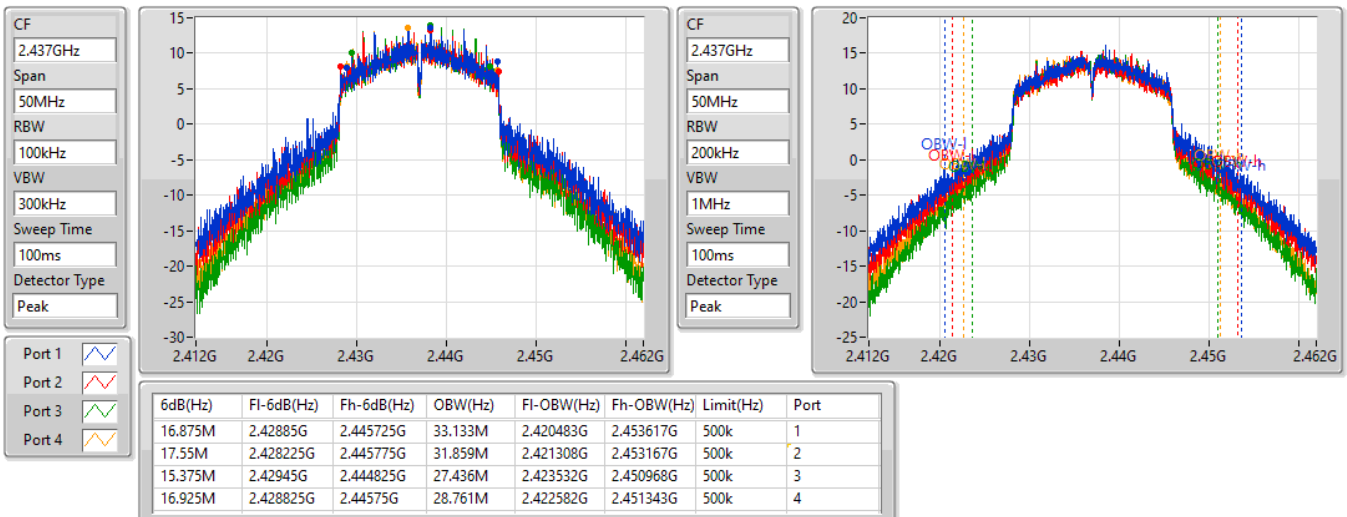


VHT20_Nss1,(MCS0)_4TX
EBW
2412MHz

08/03/2021

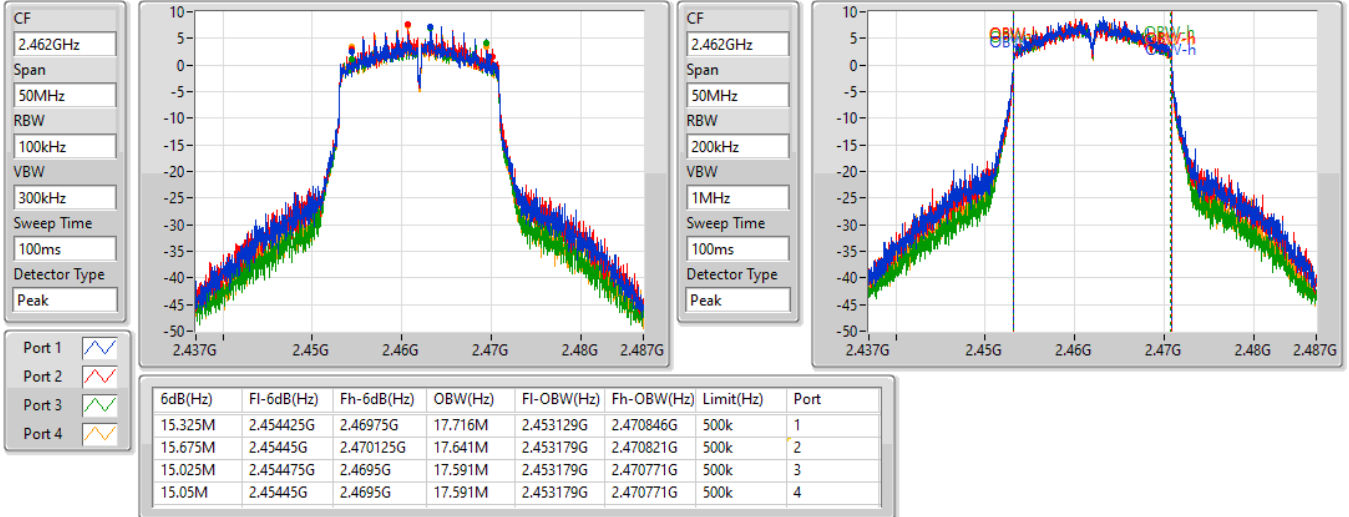

VHT20_Nss1,(MCS0)_4TX
EBW
2437MHz

08/03/2021

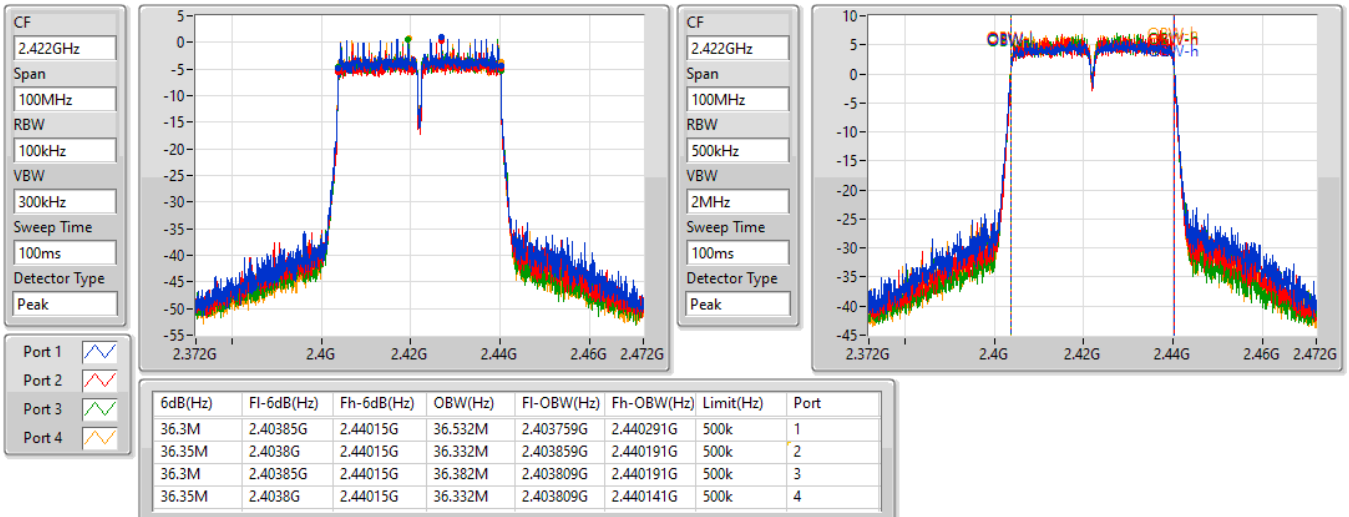


VHT20_Nss1,(MCS0)_4TX
EBW
2462MHz

08/03/2021


VHT40_Nss1,(MCS0)_4TX
EBW
2422MHz

08/03/2021

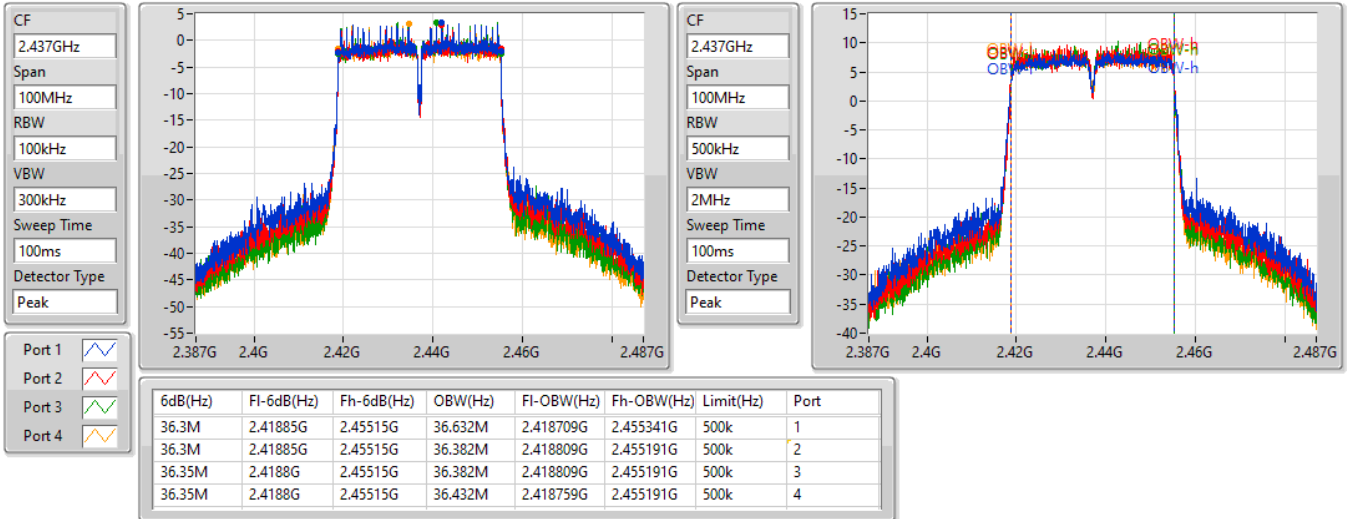


VHT40_Nss1,(MCS0)_4TX

EBW

2437MHz

08/03/2021

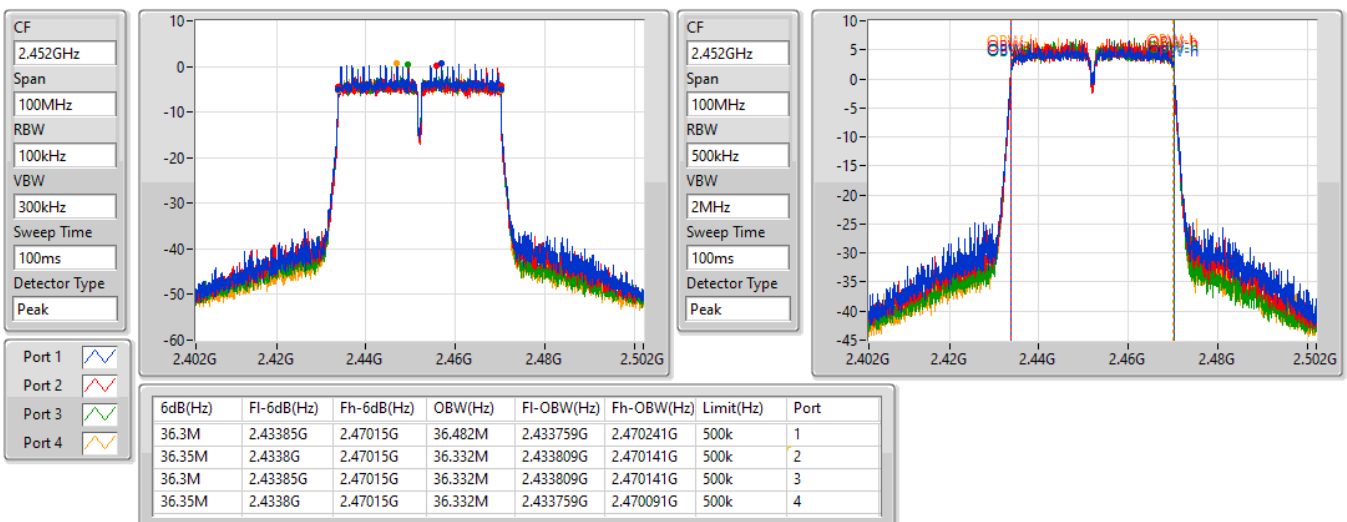


VHT40_Nss1,(MCS0)_4TX

EBW

2452MHz

08/03/2021





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_4TX	28.31	0.67764
802.11g_Nss1,(6Mbps)_4TX	29.95	0.98855
VHT20_Nss1,(MCS0)_4TX	29.90	0.97724
VHT40_Nss1,(MCS0)_4TX	22.99	0.19907

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	4.43	22.30	21.85	22.60	22.37	28.31	30.00
2437MHz	Pass	4.43	21.99	21.96	22.27	22.12	28.11	30.00
2462MHz	Pass	4.43	20.86	20.85	20.93	20.85	26.89	30.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	4.43	17.59	17.40	18.20	17.91	23.81	30.00
2417MHz	Pass	4.43	22.29	22.02	22.71	22.54	28.42	30.00
2437MHz	Pass	4.43	23.61	23.68	24.25	24.13	29.95	30.00
2457MHz	Pass	4.43	19.97	20.07	20.13	20.03	26.07	30.00
2462MHz	Pass	4.43	16.34	16.60	16.45	16.28	22.44	30.00
VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	4.43	18.40	18.08	18.16	18.38	24.28	30.00
2417MHz	Pass	4.43	21.14	20.75	20.96	21.12	27.02	30.00
2437MHz	Pass	4.43	23.76	23.81	23.98	23.96	29.90	30.00
2457MHz	Pass	4.43	19.77	19.78	19.86	19.67	25.79	30.00
2462MHz	Pass	4.43	17.39	17.47	17.31	17.19	23.36	30.00
VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	4.43	15.15	14.40	14.80	14.87	20.83	30.00
2437MHz	Pass	4.43	17.20	16.74	17.11	16.83	22.99	30.00
2452MHz	Pass	4.43	14.57	14.16	14.26	14.30	20.35	30.00

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_4TX	4.94
802.11g_Nss1,(6Mbps)_4TX	5.98
VHT20_Nss1,(MCS0)_4TX	4.42
VHT40_Nss1,(MCS0)_4TX	-6.92

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)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.88	-0.04	0.09	1.68	0.31	4.43	8.00
2437MHz	Pass	5.88	-0.21	0.48	0.89	0.62	4.94	8.00
2462MHz	Pass	5.88	-1.28	-1.04	1.59	-0.84	4.56	8.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.88	-5.58	-5.59	-5.76	-6.08	0.03	8.00
2437MHz	Pass	5.88	-1.19	0.26	0.59	0.36	5.98	8.00
2462MHz	Pass	5.88	-6.12	-6.19	-6.88	-7.67	-1.63	8.00
VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.88	-6.87	-7.42	-5.95	-5.22	-1.57	8.00
2437MHz	Pass	5.88	-1.55	1.09	-0.50	-1.89	4.42	8.00
2462MHz	Pass	5.88	-7.92	-8.09	-7.79	-7.30	-3.70	8.00
VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	5.88	-13.16	-13.42	-9.79	-13.76	-6.92	8.00
2437MHz	Pass	5.88	-11.18	-11.52	-11.32	-10.25	-7.03	8.00
2452MHz	Pass	5.88	-13.25	-14.47	-12.21	-13.93	-9.09	8.00

DG = Directional Gain; **RBW** = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

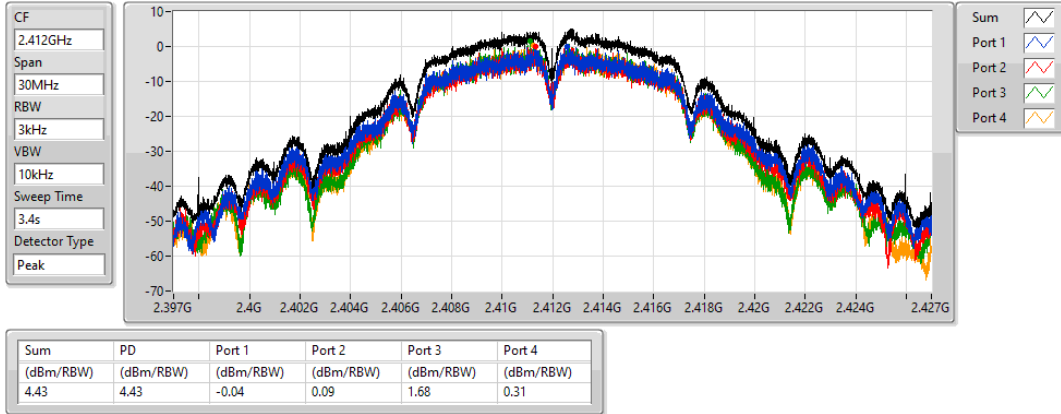
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11b_Nss1,(1Mbps)_4TX

PSD

2412MHz

08/03/2021

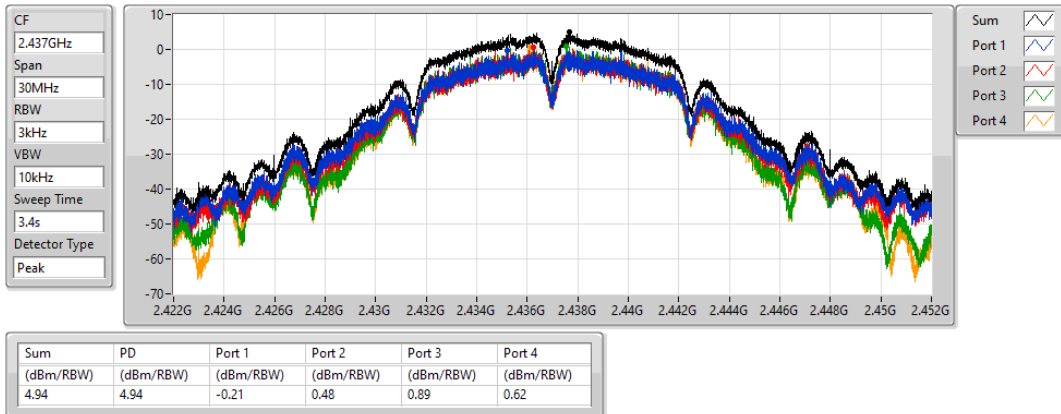


802.11b_Nss1,(1Mbps)_4TX

PSD

2437MHz

08/03/2021

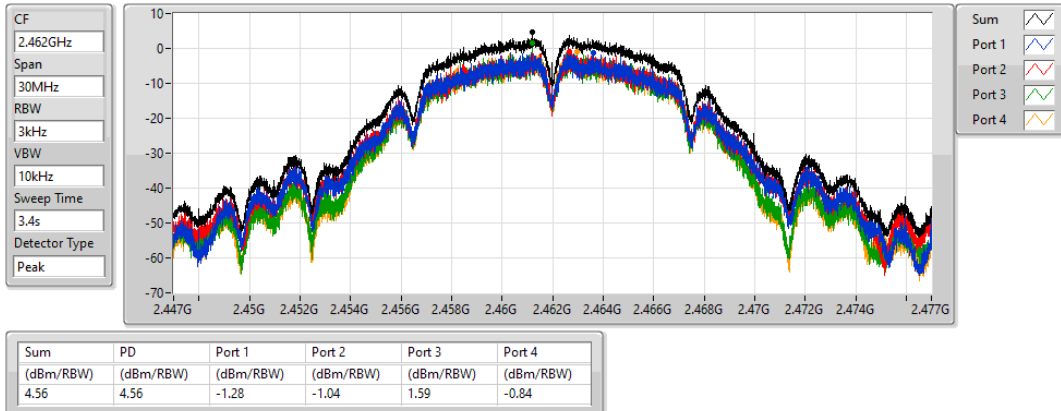


802.11b_Nss1,(1Mbps)_4TX

PSD

2462MHz

08/03/2021

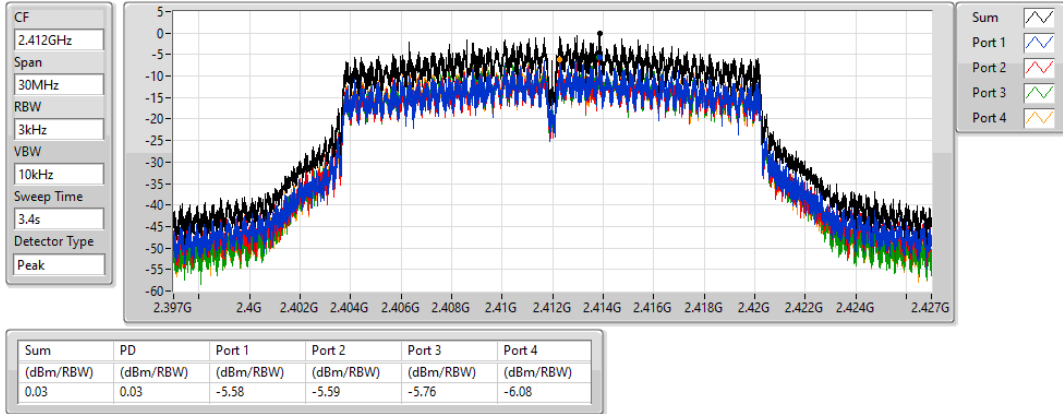


802.11g_Nss1,(6Mbps)_4TX

PSD

2412MHz

08/03/2021

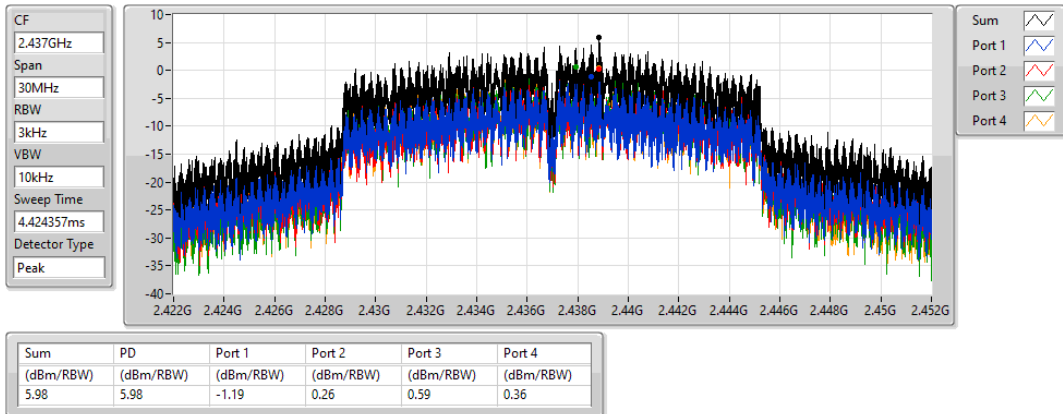


802.11g_Nss1,(6Mbps)_4TX

PSD

2437MHz

08/03/2021

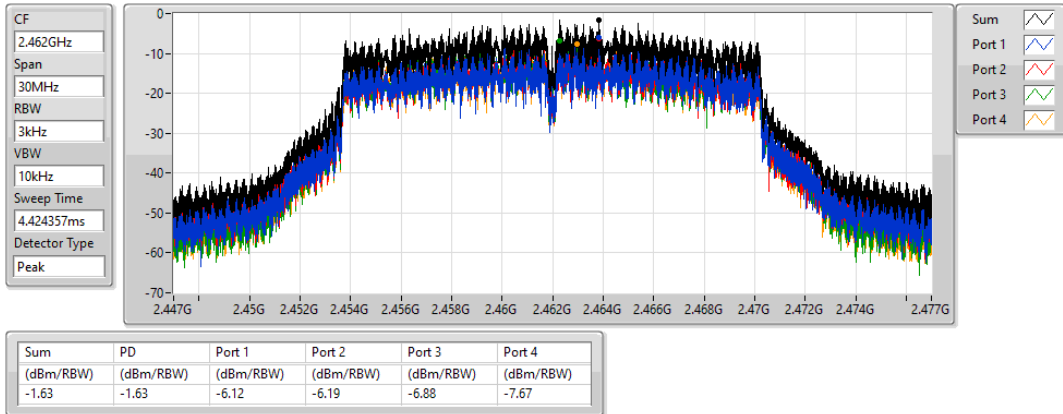


802.11g_Nss1,(6Mbps)_4TX

PSD

2462MHz

08/03/2021

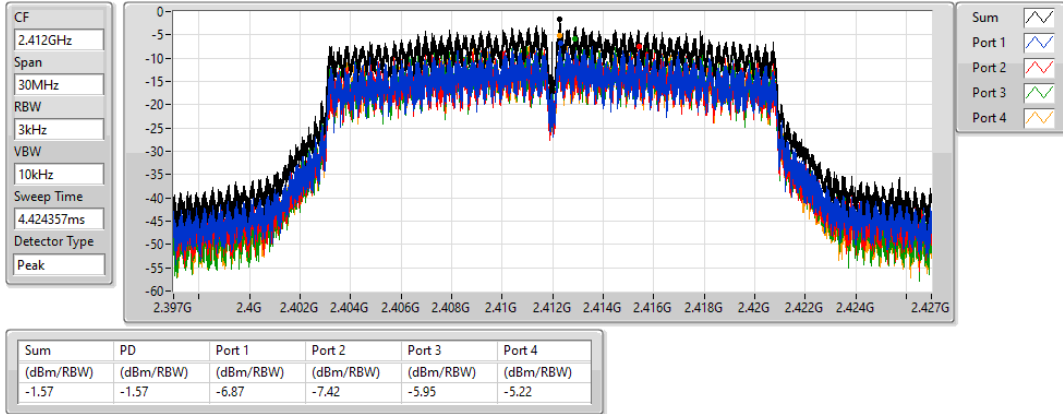


VHT20_Nss1,(MCS0)_4TX

PSD

2412MHz

08/03/2021

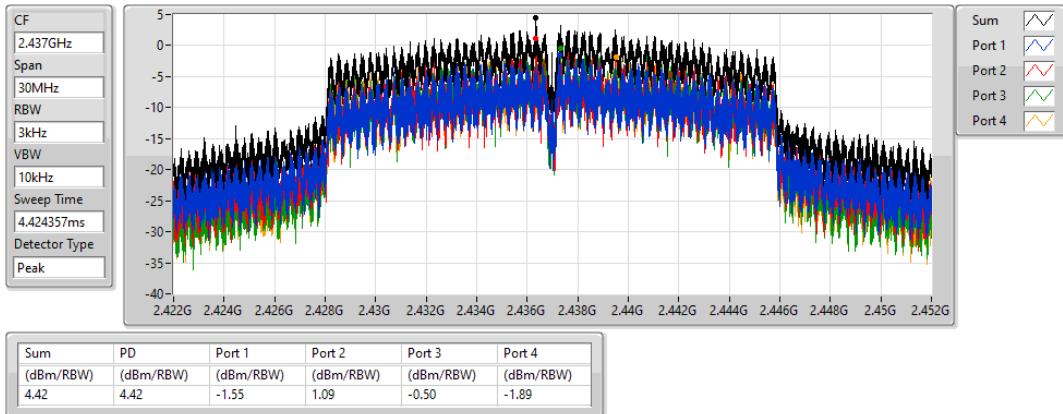


VHT20_Nss1,(MCS0)_4TX

PSD

2437MHz

08/03/2021

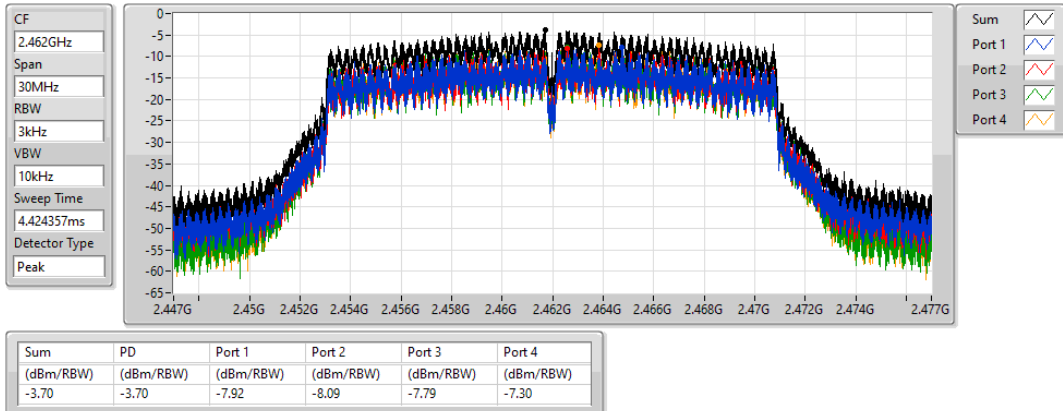


VHT20_Nss1,(MCS0)_4TX

PSD

2462MHz

08/03/2021

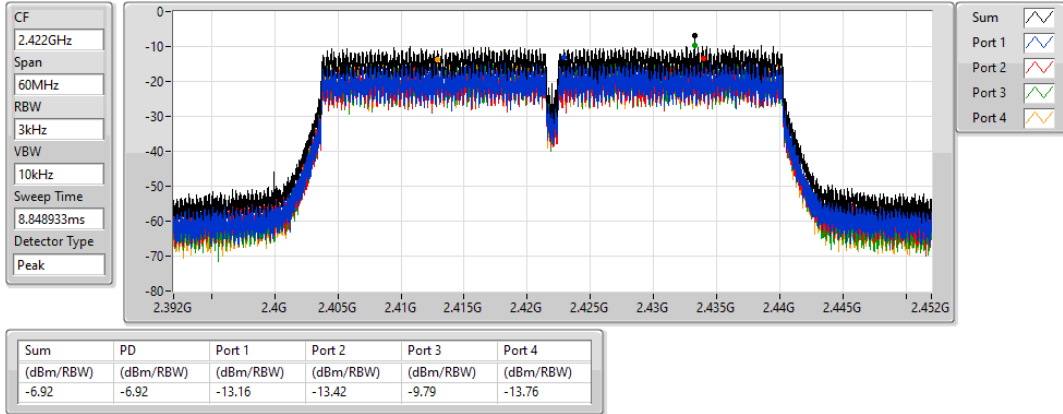


VHT40_Nss1,(MCS0)_4TX

PSD

2422MHz

08/03/2021

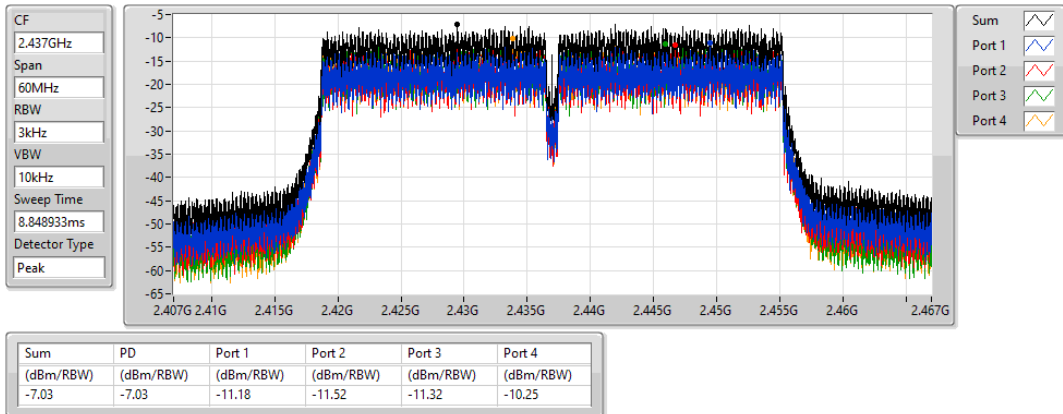


VHT40_Nss1,(MCS0)_4TX

PSD

2437MHz

08/03/2021

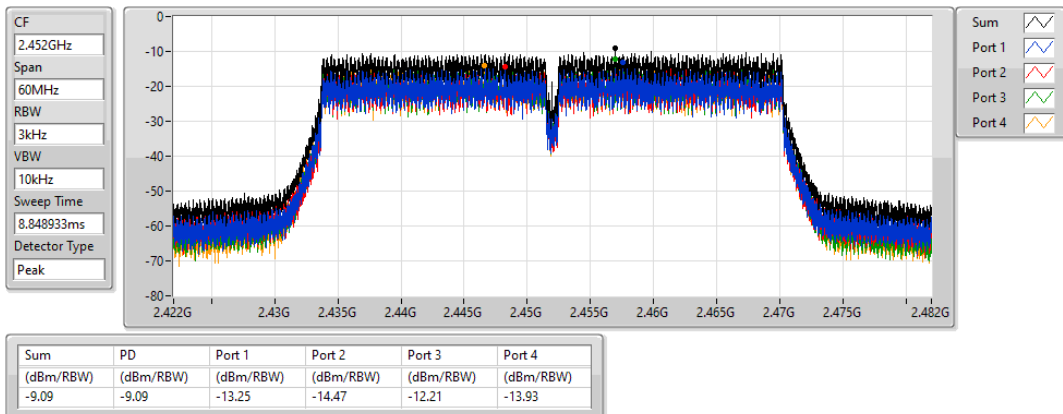


VHT40_Nss1,(MCS0)_4TX

PSD

2452MHz

08/03/2021



**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)_4TX	Pass	2.43599G	15.06	-14.94	673.66M	-34.77	2.39998G	-23.50	2.4G	-25.84	2.52G	-41.07	24.941G	-35.91	1
802.11g_Nss1,(6Mbps)_4TX	Pass	2.43824G	13.88	-16.12	159.9M	-44.31	2.3995G	-25.53	2.4G	-27.88	2.50686G	-49.46	16.29598G	-43.04	2
VHT20_Nss1,(MCS0)_4TX	Pass	2.4357G	13.50	-16.50	159.9M	-46.18	2.3995G	-16.77	2.4G	-19.65	2.51998G	-43.97	24.95224G	-43.25	1
VHT40_Nss1,(MCS0)_4TX	Pass	2.44196G	3.41	-26.59	159.96M	-44.74	2.39948G	-30.78	2.4G	-37.93	2.4835G	-39.69	16.59473G	-42.77	1

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)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43599G	15.06	-14.94	673.66M	-34.77	2.39998G	-23.50	2.4G	-25.84	2.52G	-41.07	24.941G	-35.91	1
2412MHz	Pass	2.43599G	15.06	-14.94	673.66M	-34.51	2.39902G	-27.09	2.4G	-28.82	2.49156G	-41.25	5.26563G	-19.80	2
2412MHz	Pass	2.43599G	15.06	-14.94	673.66M	-35.25	2.39998G	-26.99	2.4G	-29.05	2.48736G	-40.40	24.98033G	-37.02	3
2412MHz	Pass	2.43599G	15.06	-14.94	673.66M	-34.67	2.39998G	-26.17	2.4G	-26.45	2.4958G	-42.03	24.99719G	-36.53	4
2437MHz	Pass	2.43599G	15.06	-14.94	698.71M	-33.37	2.39986G	-42.57	2.4G	-43.99	2.51996G	-40.17	21.77462G	-37.10	1
2437MHz	Pass	2.43599G	15.06	-14.94	698.71M	-33.50	2.39966G	-41.59	2.4G	-44.44	2.4849G	-41.78	24.81457G	-36.31	2
2437MHz	Pass	2.43599G	15.06	-14.94	698.71M	-32.39	2.39714G	-41.92	2.4G	-43.57	2.51312G	-40.68	24.66285G	-37.14	3
2437MHz	Pass	2.43599G	15.06	-14.94	698.71M	-33.40	2.39908G	-41.54	2.4835G	-45.60	2.51316G	-38.80	21.62853G	-37.06	4
2462MHz	Pass	2.43599G	15.06	-14.94	159.9M	-46.47	2.3999G	-51.04	2.4835G	-46.41	2.51996G	-42.58	24.3819G	-42.73	1
2462MHz	Pass	2.43599G	15.06	-14.94	159.9M	-44.21	2.39216G	-51.98	2.4835G	-47.17	2.48374G	-45.00	23.33112G	-42.73	2
2462MHz	Pass	2.43599G	15.06	-14.94	159.9M	-45.47	2.3908G	-51.36	2.4835G	-47.70	2.48372G	-46.37	24.61509G	-43.14	3
2462MHz	Pass	2.43599G	15.06	-14.94	159.9M	-46.92	2.39644G	-51.24	2.4835G	-48.61	2.48562G	-48.29	17.68109G	-41.48	4
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	13.88	-16.12	159.9M	-44.62	2.39976G	-26.16	2.4G	-27.26	2.52002G	-43.46	23.59522G	-43.15	1
2412MHz	Pass	2.43824G	13.88	-16.12	159.9M	-44.31	2.3995G	-25.53	2.4G	-27.88	2.50686G	-49.46	16.29598G	-43.04	2
2412MHz	Pass	2.43824G	13.88	-16.12	159.9M	-46.41	2.39964G	-28.50	2.4G	-30.54	2.48734G	-44.97	24.04756G	-43.35	3
2412MHz	Pass	2.43824G	13.88	-16.12	159.9M	-45.07	2.39926G	-27.58	2.4G	-30.11	2.48734G	-49.73	17.69514G	-42.77	4
2437MHz	Pass	2.43824G	13.88	-16.12	159.9M	-45.71	2.3976G	-27.63	2.4G	-30.37	2.48418G	-32.58	24.5589G	-42.98	1
2437MHz	Pass	2.43824G	13.88	-16.12	159.9M	-45.59	2.39826G	-28.95	2.4G	-30.99	2.48412G	-33.83	24.92976G	-42.61	2
2437MHz	Pass	2.43824G	13.88	-16.12	159.9M	-44.35	2.39722G	-36.88	2.4G	-38.19	2.48412G	-40.06	17.64176G	-42.73	3
2437MHz	Pass	2.43824G	13.88	-16.12	159.9M	-45.33	2.39948G	-34.29	2.4G	-35.91	2.4852G	-39.77	21.98815G	-42.73	4
2462MHz	Pass	2.43824G	13.88	-16.12	159.9M	-45.69	2.39998G	-46.20	2.4835G	-40.13	2.48382G	-38.28	5.26001G	-20.17	1
2462MHz	Pass	2.43824G	13.88	-16.12	159.9M	-46.46	2.39904G	-51.56	2.4835G	-42.02	2.4835G	-39.61	23.28898G	-43.13	2
2462MHz	Pass	2.43824G	13.88	-16.12	159.9M	-44.30	2.39628G	-51.27	2.4835G	-44.27	2.48354G	-40.44	23.35079G	-43.20	3
2462MHz	Pass	2.43824G	13.88	-16.12	159.9M	-46.09	2.39398G	-51.72	2.4835G	-43.26	2.4835G	-42.24	23.5896G	-43.41	4
VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4357G	13.50	-16.50	159.9M	-44.73	2.39984G	-20.59	2.4G	-25.13	2.51996G	-44.09	16.5685G	-42.45	1
2412MHz	Pass	2.4357G	13.50	-16.50	159.9M	-44.77	2.3995G	-21.56	2.4G	-26.83	2.48732G	-47.30	24.64038G	-43.09	2
2412MHz	Pass	2.4357G	13.50	-16.50	159.9M	-44.62	2.39826G	-24.16	2.4G	-30.29	2.50886G	-50.75	24.94662G	-42.47	3
2412MHz	Pass	2.4357G	13.50	-16.50	159.9M	-46.47	2.39948G	-24.23	2.4G	-26.23	2.48732G	-48.63	17.66704G	-42.76	4
2437MHz	Pass	2.4357G	13.50	-16.50	159.9M	-44.77	2.39884G	-26.28	2.4G	-29.45	2.4847G	-32.51	15.21991G	-42.38	1
2437MHz	Pass	2.4357G	13.50	-16.50	159.9M	-45.18	2.39636G	-28.35	2.4G	-33.14	2.48508G	-33.46	24.66285G	-42.33	2
2437MHz	Pass	2.4357G	13.50	-16.50	159.9M	-44.16	2.39886G	-36.28	2.4G	-39.55	2.48418G	-41.41	16.63031G	-43.06	3
2437MHz	Pass	2.4357G	13.50	-16.50	159.9M	-44.99	2.39946G	-31.85	2.4G	-35.56	2.4848G	-38.57	24.02508G	-43.18	4
2462MHz	Pass	2.4357G	13.50	-16.50	159.9M	-44.16	2.4G	-47.63	2.4835G	-36.24	2.4842G	-35.46	24.62352G	-42.95	1
2462MHz	Pass	2.4357G	13.50	-16.50	159.9M	-44.98	2.39854G	-52.15	2.4835G	-38.24	2.48386G	-34.26	23.34798G	-42.60	2
2462MHz	Pass	2.4357G	13.50	-16.50	159.9M	-44.44	2.39954G	-52.00	2.4835G	-40.14	2.48352G	-37.91	24.646G	-42.64	3
2462MHz	Pass	2.4357G	13.50	-16.50	159.9M	-43.52	2.39036G	-51.22	2.4835G	-39.51	2.48354G	-36.67	24.57576G	-42.51	4
VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44196G	3.41	-26.59	159.96M	-44.56	2.39664G	-34.41	2.4G	-38.48	2.51998G	-42.73	17.61559G	-42.98	1
2422MHz	Pass	2.44196G	3.41	-26.59	159.96M	-45.06	2.398G	-36.47	2.4G	-40.51	2.48622G	-49.61	16.2722G	-43.15	2
2422MHz	Pass	2.44196G	3.41	-26.59	159.96M	-45.54	2.39948G	-37.49	2.4G	-41.56	2.49402G	-49.19	15.1672G	-43.49	3
2422MHz	Pass	2.44196G	3.41	-26.59	159.96M	-45.27	2.39828G	-38.84	2.4G	-39.08	2.48726G	-50.32	23.36214G	-43.13	4
2437MHz	Pass	2.44196G	3.41	-26.59	159.96M	-44.74	2.39948G	-30.78	2.4G	-37.93	2.4835G	-39.69	16.59473G	-42.77	1
2437MHz	Pass	2.44196G	3.41	-26.59	159.96M	-44.36	2.39952G	-32.43	2.4G	-36.64	2.48398G	-38.34	24.94952G	-42.50	2
2437MHz	Pass	2.44196G	3.41	-26.59	159.96M	-45.06	2.39948G	-35.01	2.4G	-38.97	2.4835G	-41.74	24.16704G	-43.47	3
2437MHz	Pass	2.44196G	3.41	-26.59	159.96M	-45.32	2.39944G	-35.65	2.4G	-37.38	2.4867G	-41.52	17.60437G	-42.10	4

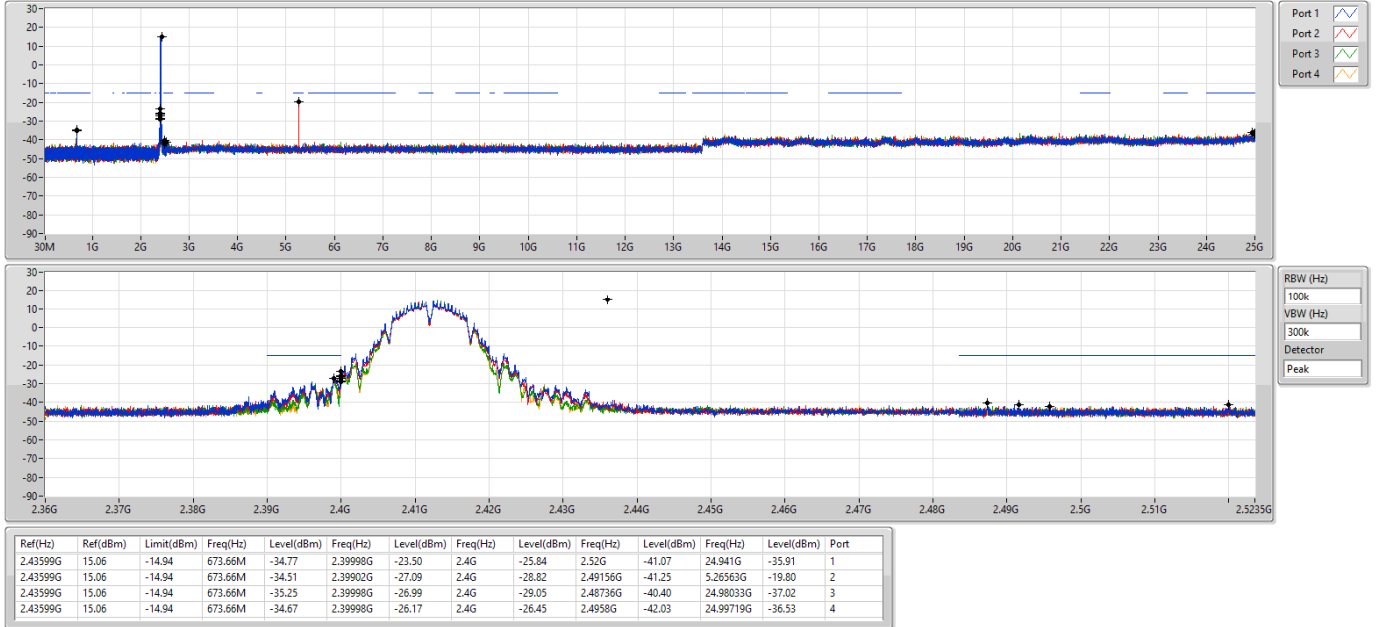


Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2452MHz	Pass	2.44196G	3.41	-26.59	159.96M	-45.89	2.4G	-44.27	2.4835G	-39.96	2.48502G	-37.76	24.67187G	-43.07	1
2452MHz	Pass	2.44196G	3.41	-26.59	159.96M	-45.66	2.39416G	-48.84	2.4835G	-41.04	2.48358G	-39.75	24.64663G	-42.13	2
2452MHz	Pass	2.44196G	3.41	-26.59	159.96M	-44.67	2.39572G	-48.56	2.4835G	-42.15	2.48734G	-43.42	24.60736G	-43.30	3
2452MHz	Pass	2.44196G	3.41	-26.59	159.96M	-46.05	2.39708G	-49.23	2.4835G	-45.83	2.48354G	-41.75	24.92708G	-42.70	4

802.11b_Nss1,(1Mbps)_4TX

CSE NdB

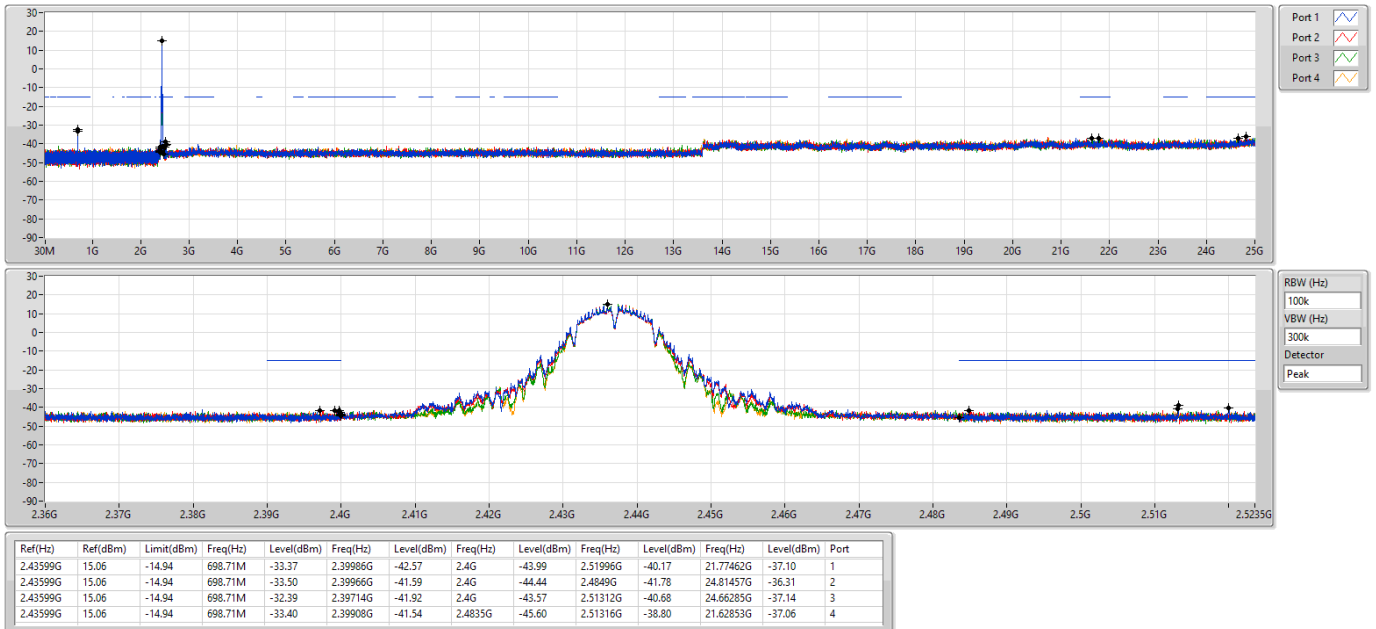
2412MHz



802.11b_Nss1,(1Mbps)_4TX

CSE NdB

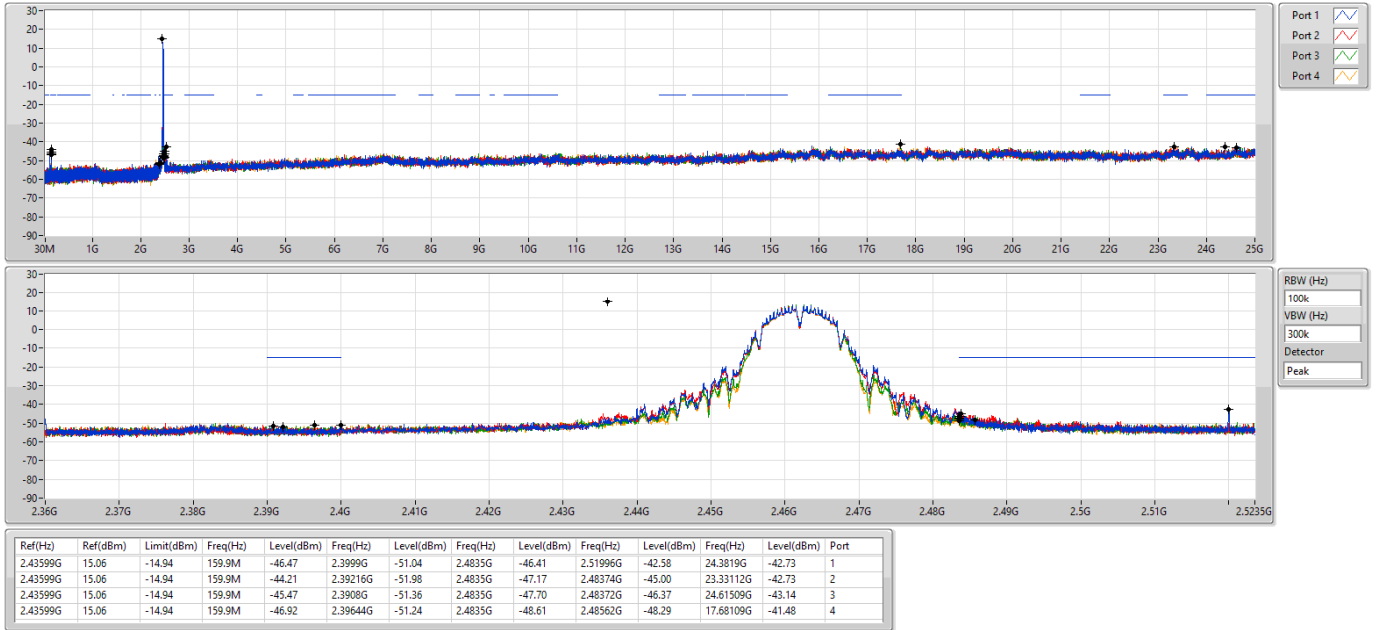
2437MHz



802.11b_Nss1,(1Mbps)_4TX

CSE NdB

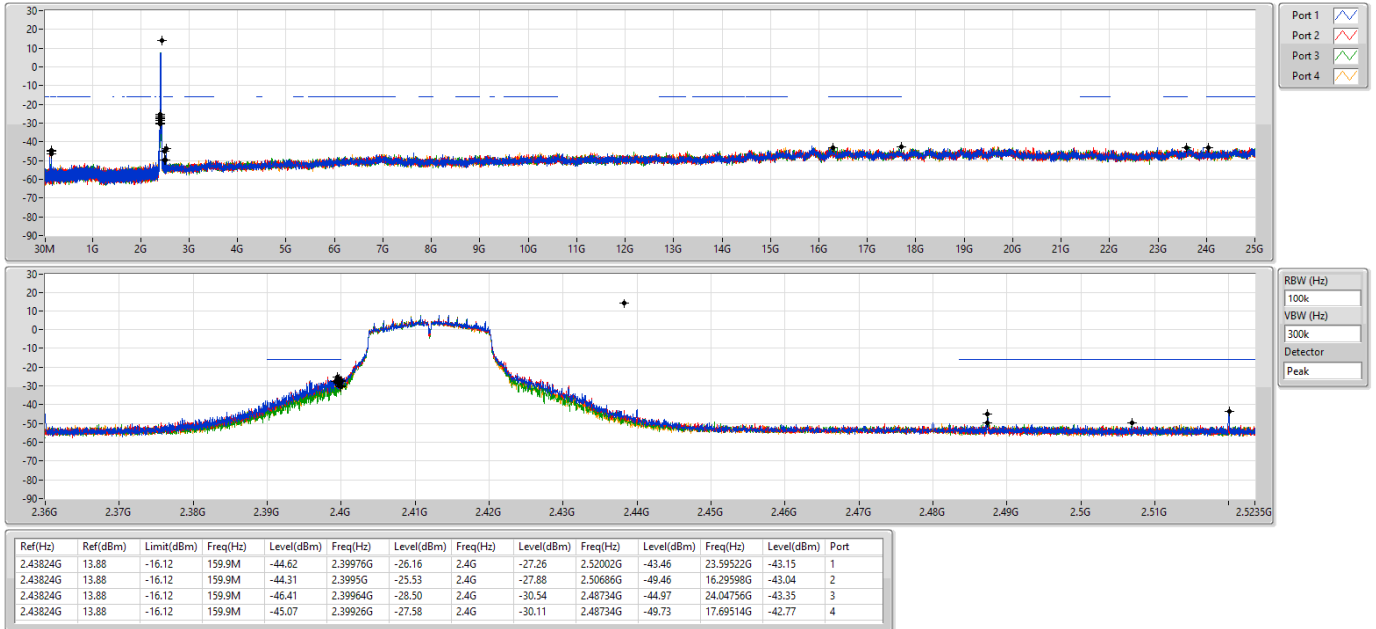
2462MHz



802.11g_Nss1,(6Mbps)_4TX

CSE NdB

2412MHz

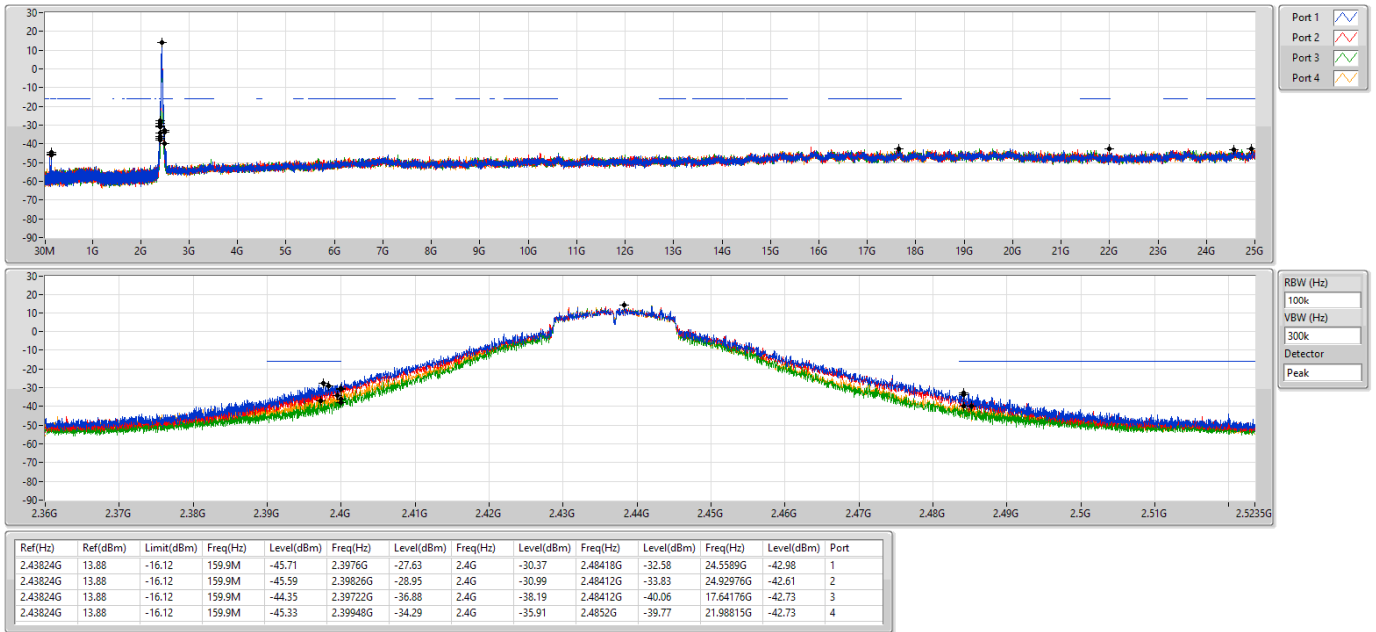


802.11g_Nss1,(6Mbps)_4TX

CSE NdB

2437MHz

08/03/2021

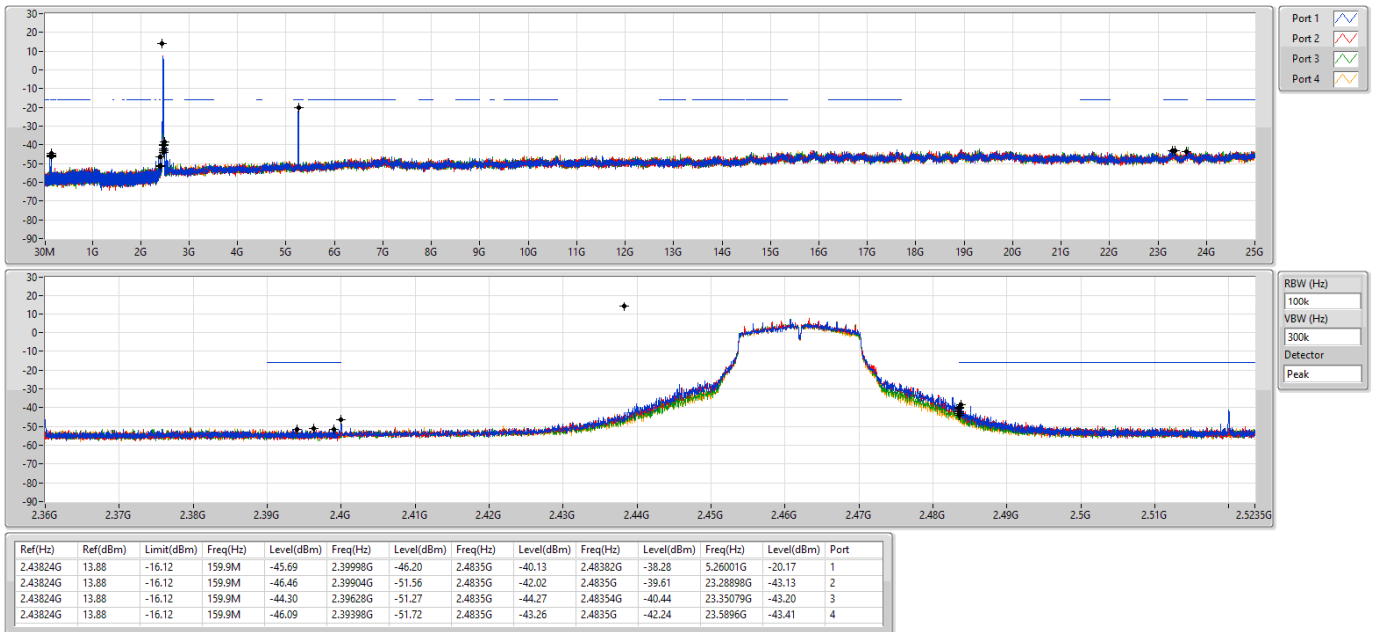


802.11g_Nss1,(6Mbps)_4TX

CSE NdB

2462MHz

08/03/2021

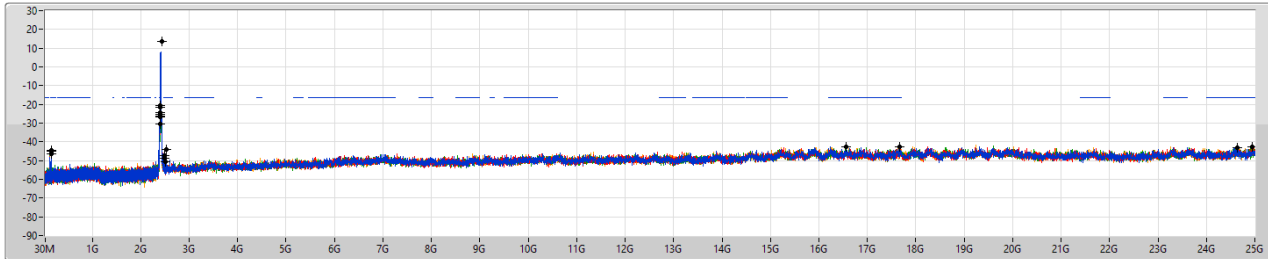


VHT20_Nss1,(MCS0)_4TX

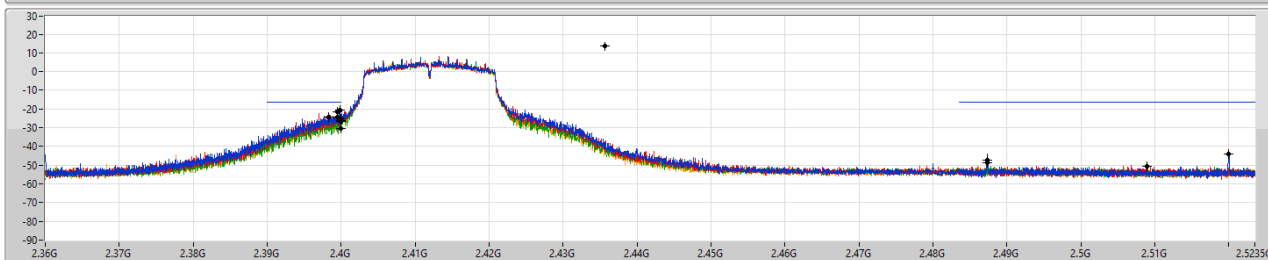
2412MHz

CSE NdB

08/03/2021



Port 1
Port 2
Port 3
Port 4



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

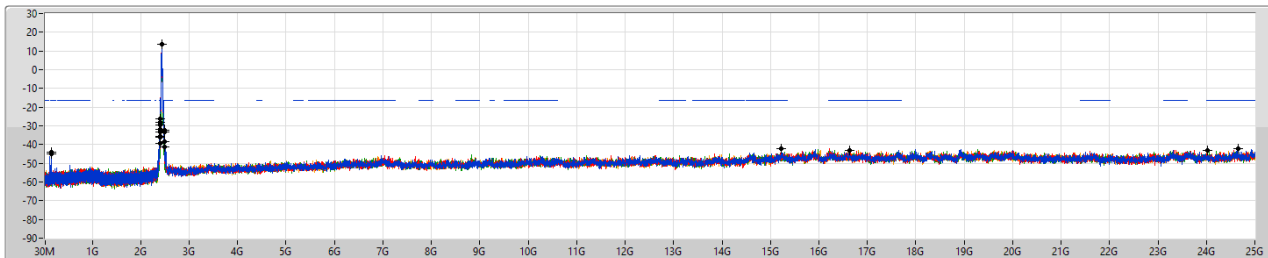
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4357G	13.50	-16.50	159.9M	-44.73	2.39984G	-20.59	2.4G	-25.13	2.51996G	-44.09	16.5685G	-42.45	1
2.4357G	13.50	-16.50	159.9M	-44.77	2.3995G	-21.56	2.4G	-26.83	2.48732G	-47.30	24.64038G	-43.09	2
2.4357G	13.50	-16.50	159.9M	-44.62	2.39826G	-24.16	2.4G	-30.29	2.50886G	-50.75	24.94662G	-42.47	3
2.4357G	13.50	-16.50	159.9M	-46.47	2.39948G	-24.23	2.4G	-26.23	2.48732G	-48.63	17.66704G	-42.76	4

VHT20_Nss1,(MCS0)_4TX

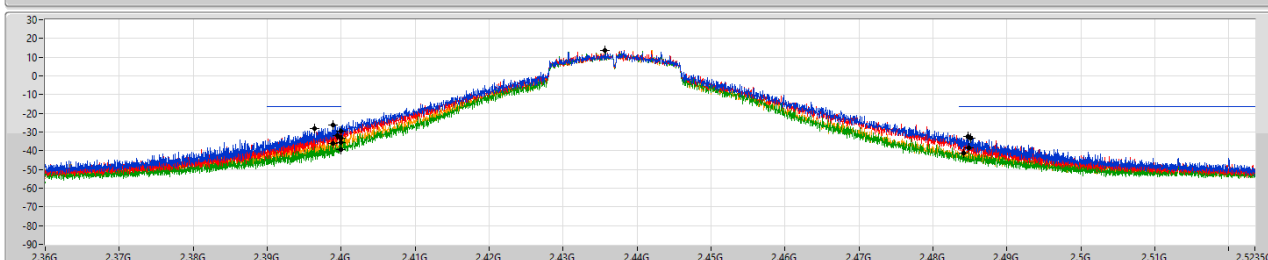
2437MHz

CSE NdB

08/03/2021



Port 1
Port 2
Port 3
Port 4



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

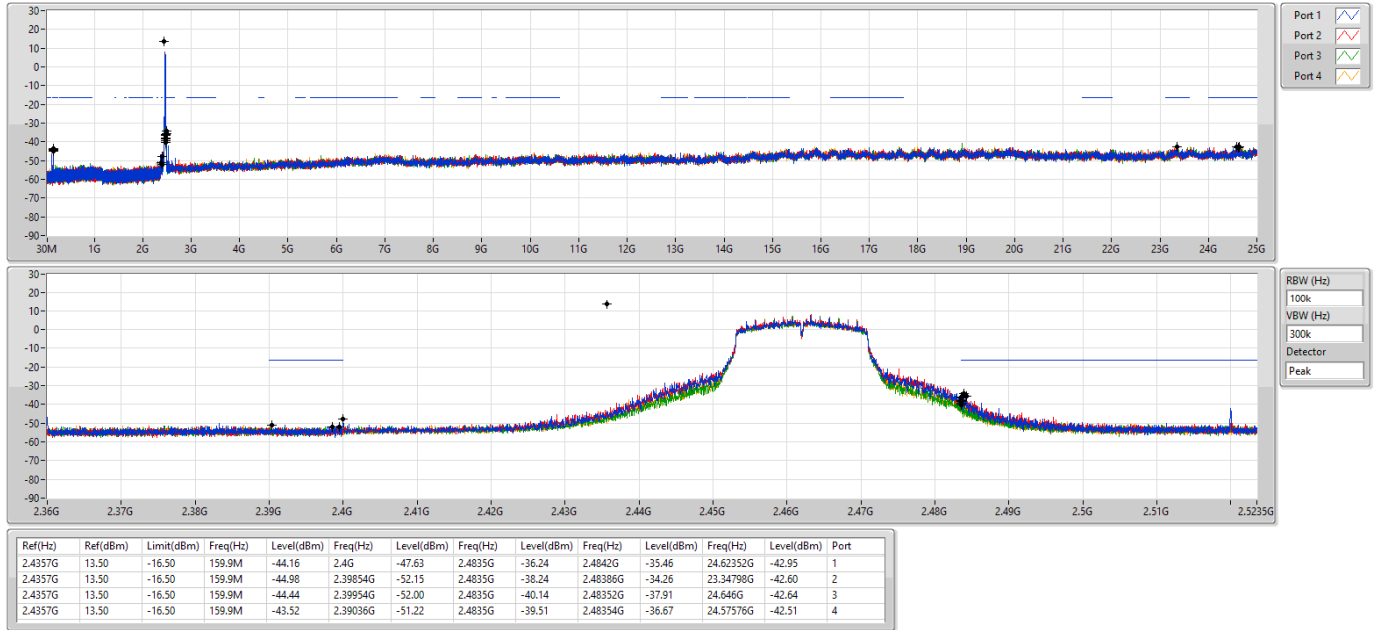
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4357G	13.50	-16.50	159.9M	-44.77	2.39884G	-26.28	2.4G	-29.45	2.4847G	-32.51	15.21991G	-42.38	1
2.4357G	13.50	-16.50	159.9M	-45.18	2.39636G	-28.35	2.4G	-33.14	2.48508G	-33.46	24.66285G	-42.33	2
2.4357G	13.50	-16.50	159.9M	-44.16	2.39886G	-36.28	2.4G	-39.55	2.48418G	-41.41	16.63031G	-43.06	3
2.4357G	13.50	-16.50	159.9M	-44.99	2.39946G	-31.85	2.4G	-35.56	2.4848G	-38.57	24.02508G	-43.18	4

VHT20_Nss1,(MCS0)_4TX

2462MHz

CSE NdB

08/03/2021

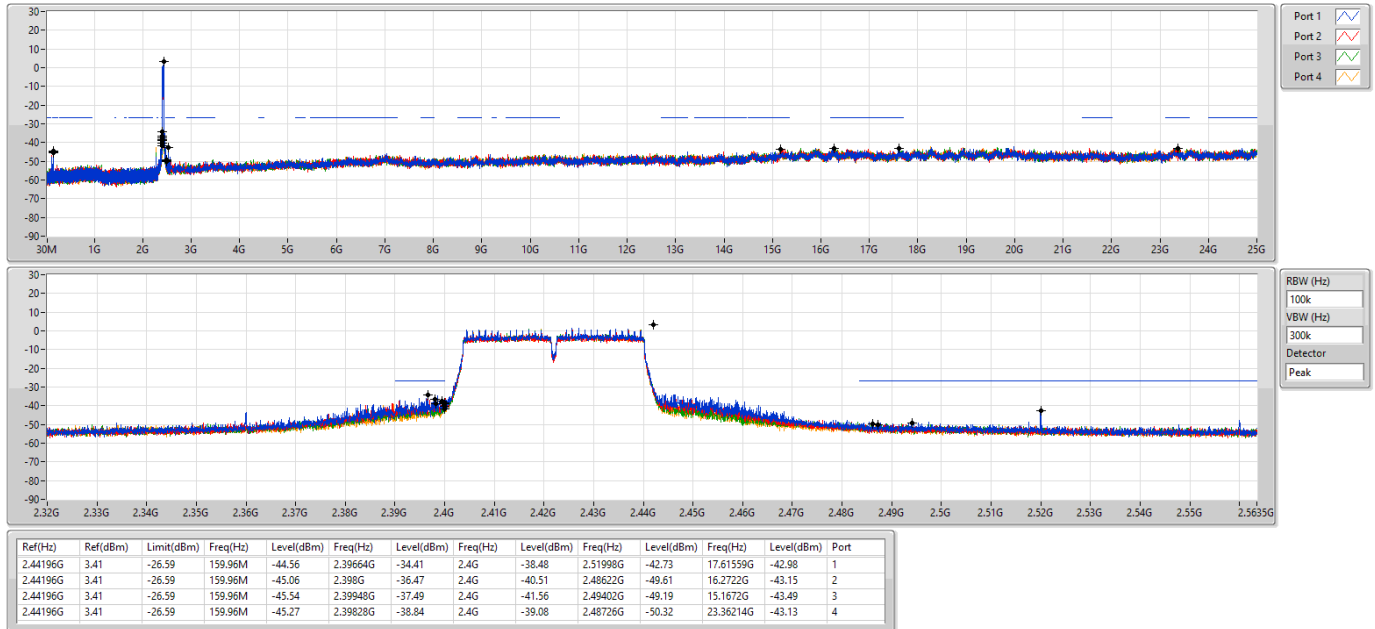


VHT40_Nss1,(MCS0)_4TX

2422MHz

CSE NdB

08/03/2021

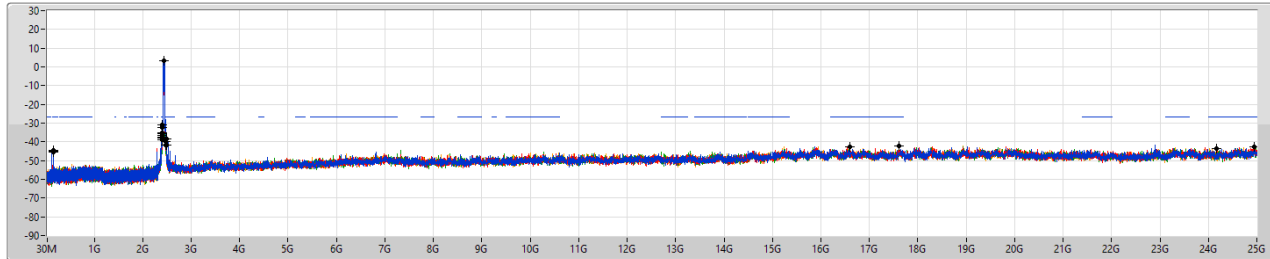


VHT40_Nss1,(MCS0)_4TX

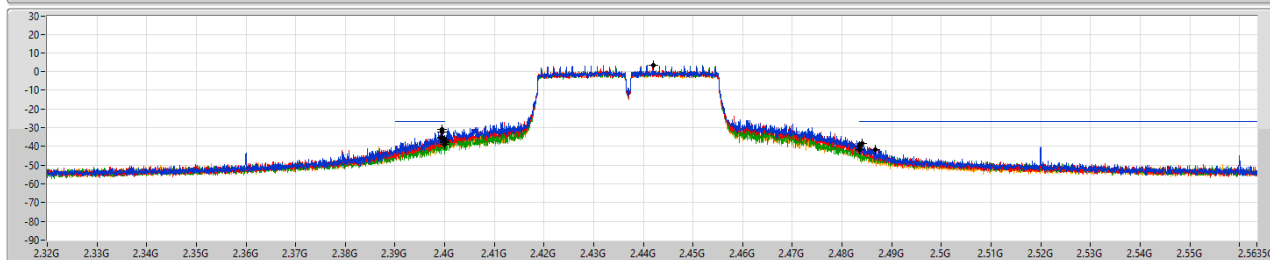
2437MHz

CSE NdB

08/03/2021



Port 1
Port 2
Port 3
Port 4



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

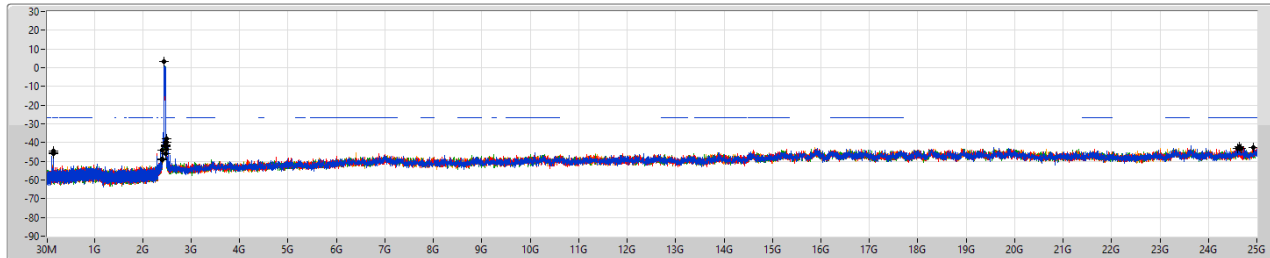
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44196G	3.41	-26.59	159.96M	-44.74	2.39948G	-30.78	2.4G	-37.93	2.4835G	-39.69	16.59473G	-42.77	1
2.44196G	3.41	-26.59	159.96M	-44.36	2.39952G	-32.43	2.4G	-36.64	2.48398G	-38.34	24.94952G	-42.50	2
2.44196G	3.41	-26.59	159.96M	-45.06	2.39948G	-35.01	2.4G	-38.97	2.4835G	-41.74	24.16704G	-43.47	3
2.44196G	3.41	-26.59	159.96M	-45.32	2.39944G	-35.65	2.4G	-37.38	2.4867G	-41.52	17.60437G	-42.10	4

VHT40_Nss1,(MCS0)_4TX

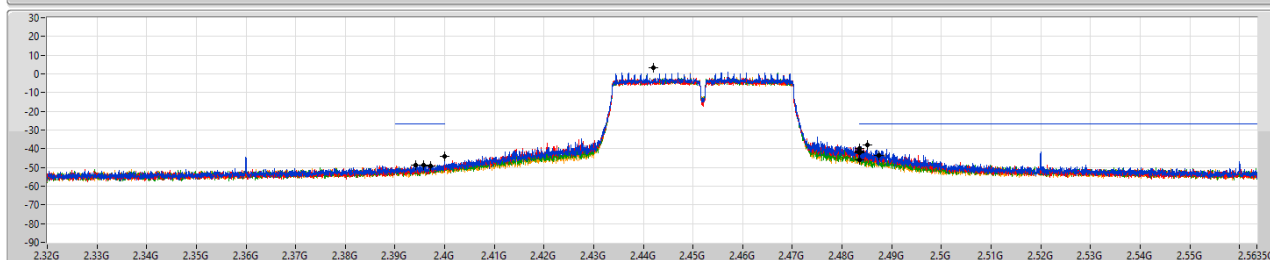
2452MHz

CSE NdB

08/03/2021



Port 1
Port 2
Port 3
Port 4



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

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
2.44196G	3.41	-26.59	159.96M	-45.89	2.4G	-44.27	2.4835G	-39.96	2.48502G	-37.76	24.67187G	-43.07	1
2.44196G	3.41	-26.59	159.96M	-45.66	2.39416G	-48.84	2.4835G	-41.04	2.48358G	-39.75	24.64663G	-42.13	2
2.44196G	3.41	-26.59	159.96M	-44.67	2.39572G	-48.56	2.4835G	-42.15	2.48734G	-43.42	24.60736G	-43.30	3
2.44196G	3.41	-26.59	159.96M	-46.05	2.39708G	-49.23	2.4835G	-45.83	2.48354G	-41.75	24.92708G	-42.70	4



Radiated Emissions below 1GHz

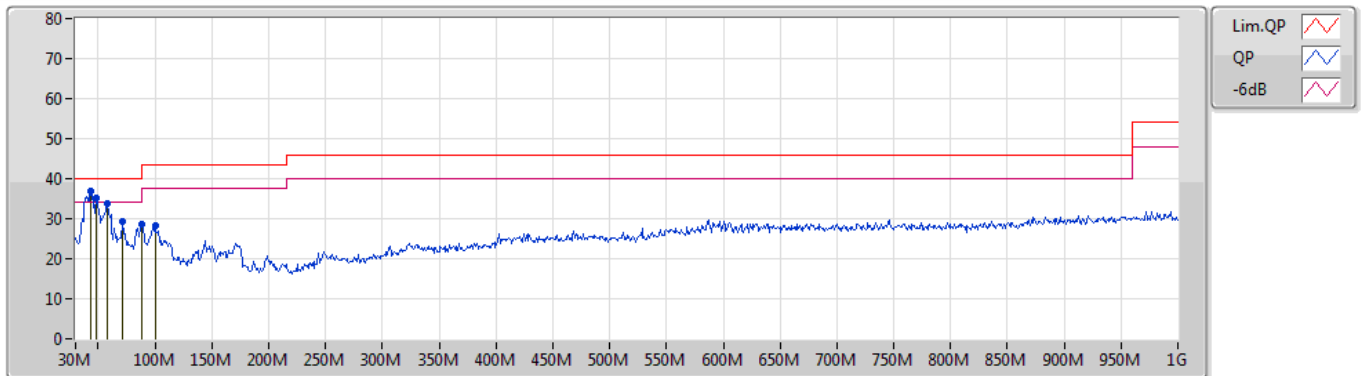
Appendix F.1

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 2	Pass	PK	43.58M	36.83	40.00	-3.17	Vertical

Mode 2

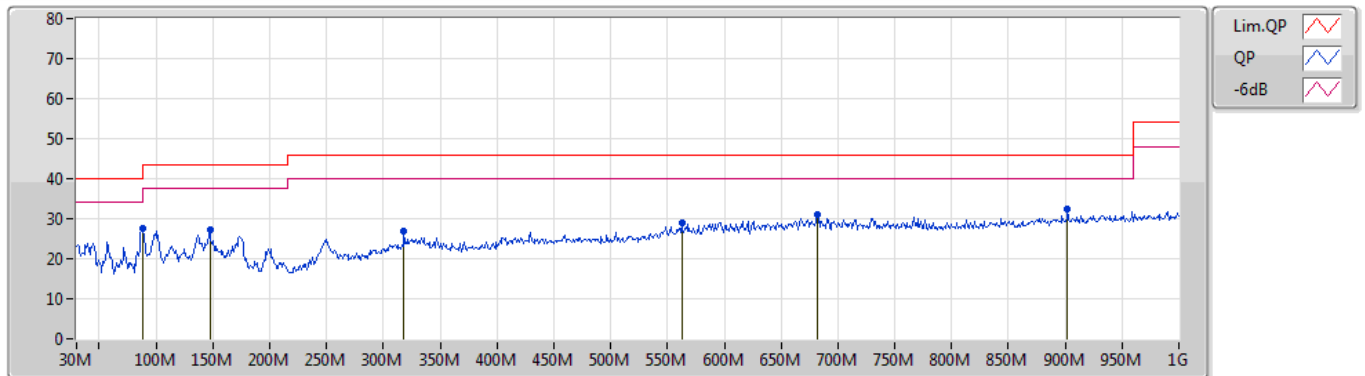
25/03/2021



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)
PK	43.58M	36.83	40.00	-3.17	-13.67	3	Vertical	360	1.00	"Worst"	50.50	17.19	0.60	31.46
PK	48.43M	35.11	40.00	-4.89	-15.82	3	Vertical	0	1.50	-	50.93	15.15	0.60	31.57
PK	58.13M	33.91	40.00	-6.09	-18.23	3	Vertical	255	1.00	-	52.14	12.80	0.76	31.79
PK	71.71M	29.41	40.00	-10.59	-18.40	3	Vertical	98	1.00	-	47.81	12.54	0.83	31.77
PK	88M	28.61	40.00	-11.39	-16.55	3	Vertical	229	3.00	-	45.16	14.27	1.00	31.82
PK	99.84M	28.33	43.50	-15.17	-14.17	3	Vertical	3	1.25	-	42.50	16.62	1.10	31.89

Mode 2

25/03/2021



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	88.2M	27.61	43.50	-15.89	-16.51	3	Horizontal	290	2.00	-	44.12	14.31	1.00	31.82
PK	147.37M	27.41	43.50	-16.09	-13.98	3	Horizontal	262	2.00	-	41.39	16.57	1.34	31.89
PK	318.09M	26.80	46.00	-19.20	-10.74	3	Horizontal	63	1.00	-	37.54	19.01	2.27	32.02
PK	562.53M	29.03	46.00	-16.97	-4.98	3	Horizontal	134	1.50	-	34.01	24.25	3.05	32.28
PK	681.84M	31.11	46.00	-14.89	-4.58	3	Horizontal	136	1.25	-	35.69	24.46	3.43	32.47
PK	902.03M	32.49	46.00	-13.51	-2.14	3	Horizontal	33	1.50	"Worst"	34.63	25.90	4.30	32.34



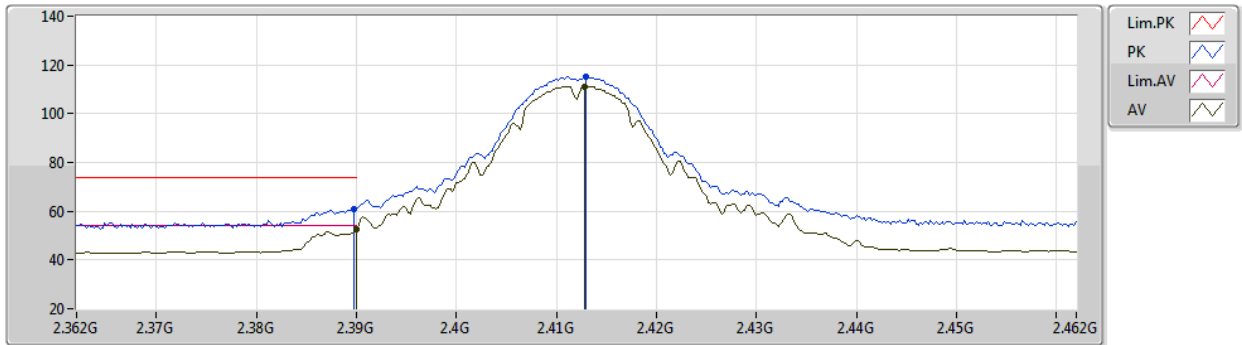
Summary

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)_4TX	Pass	AV	2.3898G	53.97	54.00	-0.03	3	Vertical	65	3.00	-

802.11b_Nss1,(1Mbps)_4TX

04/03/2021

2412MHz_TX



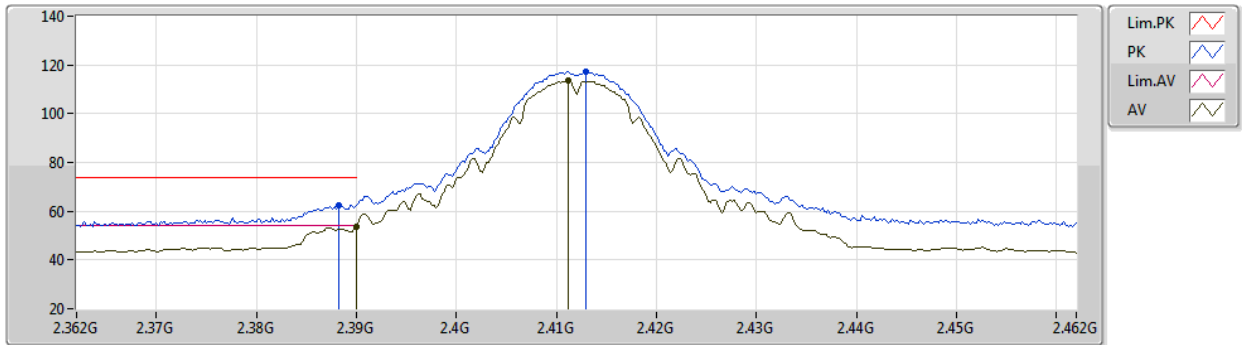
EUT Y_4TX
Setting 89
01-F-B-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	60.94	74.00	-13.06	31.37	3	Vertical	100	2.96	-	27.38	2.19	-
AV	2.39G	52.66	54.00	-1.34	23.09	3	Vertical	100	2.96	-	27.38	2.19	-
PK	2.413G	115.35	Inf	-Inf	85.71	3	Vertical	100	2.96	-	27.43	2.21	-
AV	2.4128G	111.26	Inf	-Inf	81.62	3	Vertical	100	2.96	-	27.43	2.21	-

802.11b_Nss1,(1Mbps)_4TX

04/03/2021

2412MHz_TX



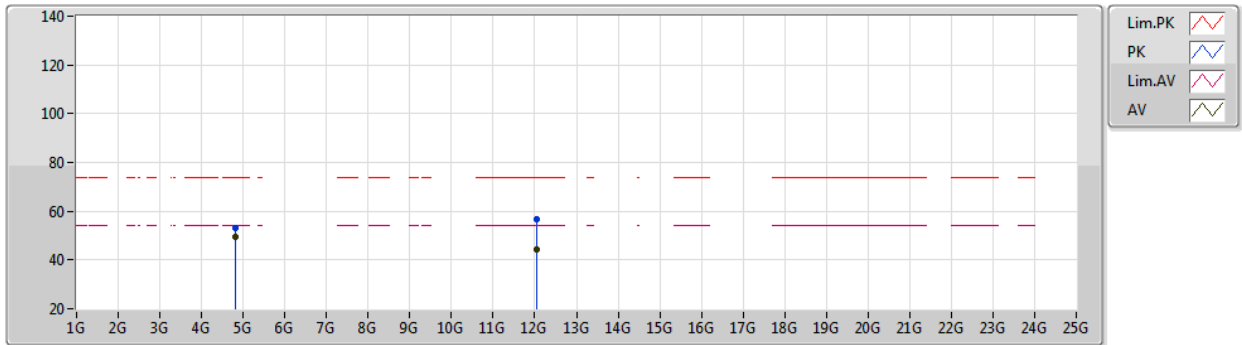
EUT Y_4TX
Setting 89
01-F-B-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3882G	62.37	74.00	-11.63	32.80	3	Horizontal	91	2.05	-	27.38	2.19	-
AV	2.39G	53.82	54.00	-0.18	24.25	3	Horizontal	91	2.05	-	27.38	2.19	-
PK	2.413G	117.40	Inf	-Inf	87.76	3	Horizontal	91	2.05	-	27.43	2.21	-
AV	2.4112G	113.56	Inf	-Inf	83.93	3	Horizontal	91	2.05	-	27.42	2.21	-

802.11b_Nss1,(1Mbps)_4TX

04/03/2021

2412MHz_TX



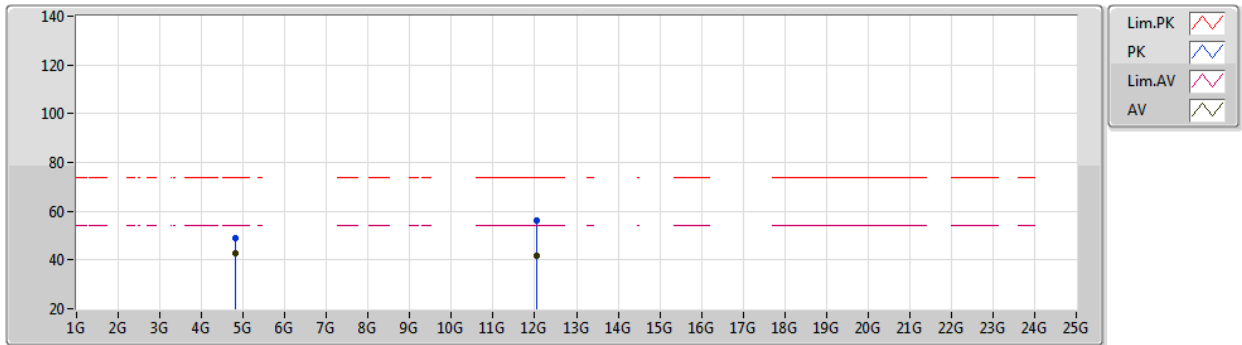
EUT Y_4TX
Setting 89
01-F-B-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.824G	53.26	74.00	-20.74	50.56	3	Vertical	101	1.78	-	32.24	5.01	34.55
AV	4.824G	49.70	54.00	-4.30	47.00	3	Vertical	101	1.78	-	32.24	5.01	34.55
PK	12.06058G	56.73	74.00	-17.27	44.88	3	Vertical	247	1.80	-	38.34	8.03	34.52
AV	12.06054G	44.11	54.00	-9.89	32.26	3	Vertical	247	1.80	-	38.34	8.03	34.52

802.11b_Nss1,(1Mbps)_4TX

04/03/2021

2412MHz_TX



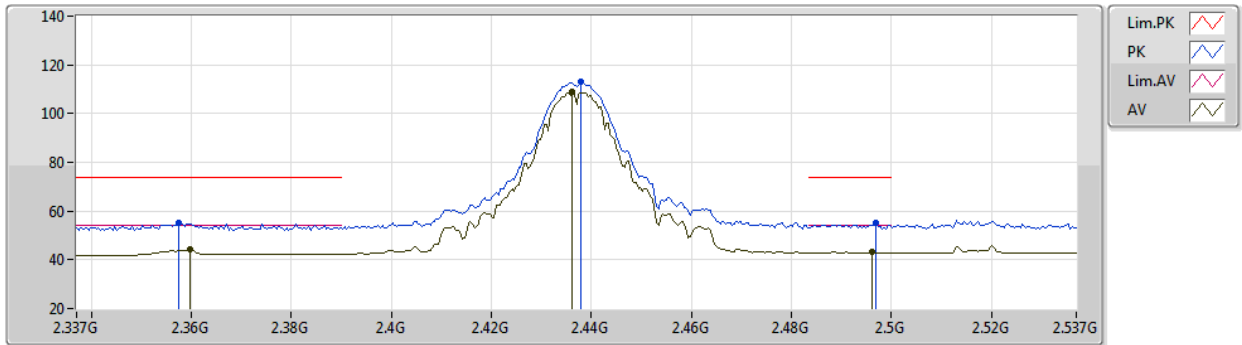
EUT Y_4TX
Setting 89
01-F-B-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.824G	48.83	74.00	-25.17	46.13	3	Horizontal	221	1.80	-	32.24	5.01	34.55
AV	4.824G	42.96	54.00	-11.04	40.26	3	Horizontal	221	1.80	-	32.24	5.01	34.55
PK	12.05632G	56.19	74.00	-17.81	44.34	3	Horizontal	112	1.18	-	38.34	8.03	34.52
AV	12.05916G	41.83	54.00	-12.17	29.98	3	Horizontal	112	1.18	-	38.34	8.03	34.52

802.11b_Nss1,(1Mbps)_4TX

04/03/2021

2437MHz_TX



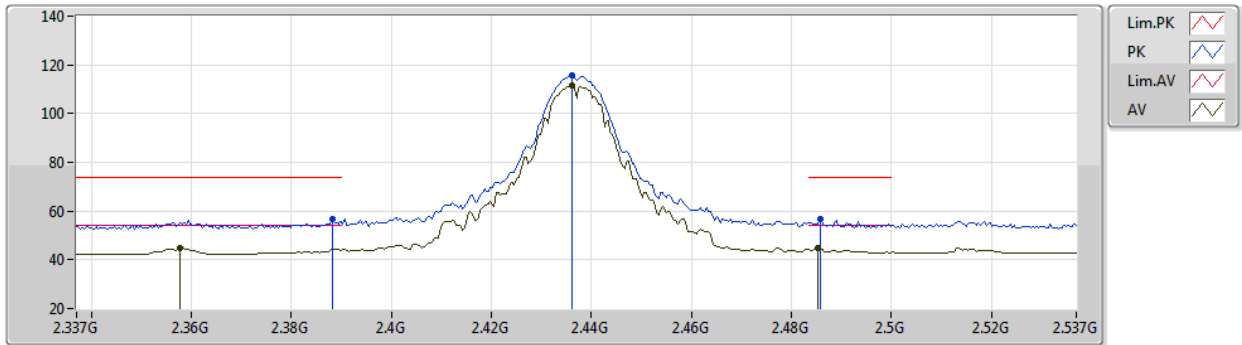
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Setting 91
01-F-B-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3574G	54.96	74.00	-19.04	25.49	3	Vertical	309	1.82	-	27.31	2.16	-
AV	2.3598G	44.22	54.00	-9.78	14.74	3	Vertical	309	1.82	-	27.32	2.16	-
PK	2.4378G	112.87	Inf	-Inf	83.15	3	Vertical	309	1.82	-	27.48	2.24	-
AV	2.4362G	108.74	Inf	-Inf	79.03	3	Vertical	309	1.82	-	27.47	2.24	-
PK	2.497G	54.92	74.00	-19.08	24.84	3	Vertical	309	1.82	-	27.78	2.30	-
AV	2.4962G	43.22	54.00	-10.78	13.14	3	Vertical	309	1.82	-	27.78	2.30	-

802.11b_Nss1,(1Mbps)_4TX

04/03/2021

2437MHz_TX



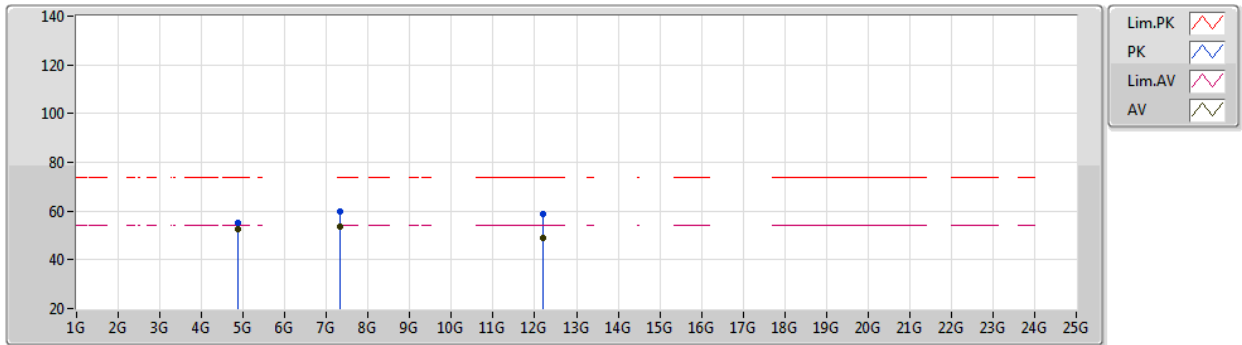
EUT_Y_4TX
Setting 91
01-F-B-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3882G	56.65	74.00	-17.35	27.08	3	Horizontal	90	2.23	-	27.38	2.19	-
AV	2.3578G	44.69	54.00	-9.31	15.21	3	Horizontal	90	2.23	-	27.32	2.16	-
PK	2.4362G	115.47	Inf	-Inf	85.76	3	Horizontal	90	2.23	-	27.47	2.24	-
AV	2.4362G	111.54	Inf	-Inf	81.83	3	Horizontal	90	2.23	-	27.47	2.24	-
PK	2.4858G	56.49	74.00	-17.51	26.49	3	Horizontal	90	2.23	-	27.71	2.29	-
AV	2.4854G	44.90	54.00	-9.10	14.90	3	Horizontal	90	2.23	-	27.71	2.29	-

802.11b_Nss1,(1Mbps)_4TX

04/03/2021

2437MHz_TX



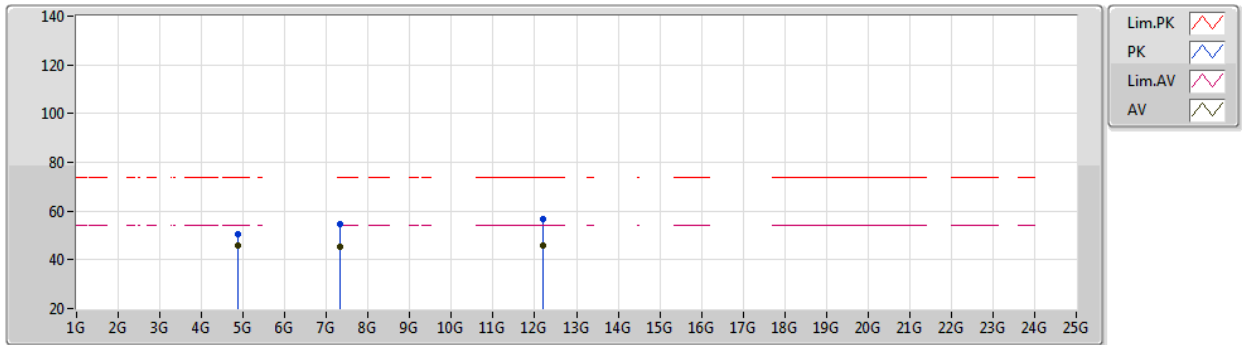
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Setting 91
01-F-B-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87392G	54.94	74.00	-19.06	51.98	3	Vertical	84	1.72	-	32.45	5.04	34.53
AV	4.874G	52.38	54.00	-1.62	49.42	3	Vertical	84	1.72	-	32.45	5.04	34.53
PK	7.31192G	59.92	74.00	-14.08	51.11	3	Vertical	118	1.66	-	37.15	6.31	34.65
AV	7.31172G	53.74	54.00	-0.26	44.93	3	Vertical	118	1.66	-	37.15	6.31	34.65
PK	12.18412G	58.64	74.00	-15.36	46.56	3	Vertical	250	1.62	-	38.47	8.08	34.47
AV	12.18578G	48.81	54.00	-5.19	36.72	3	Vertical	250	1.62	-	38.47	8.08	34.46

802.11b_Nss1,(1Mbps)_4TX

04/03/2021

2437MHz_TX



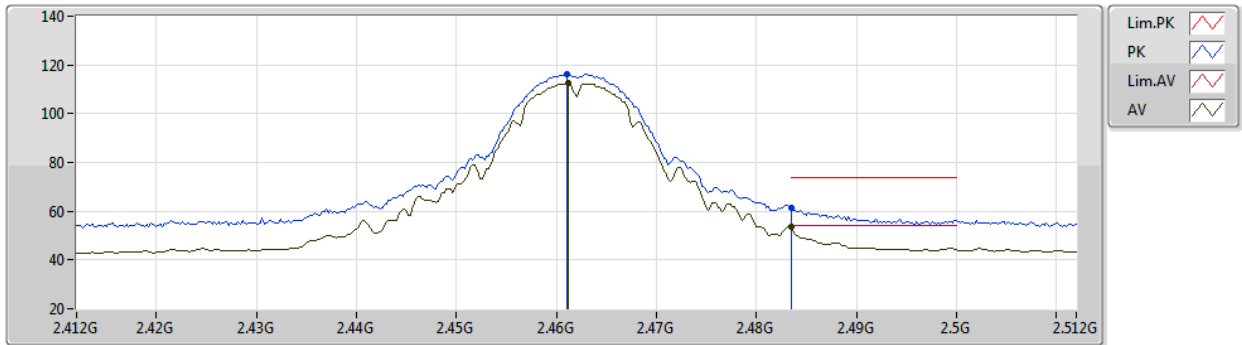
EUT Y_4TX
Setting 91
01-F-B-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87416G	50.37	74.00	-23.63	47.41	3	Horizontal	225	1.77	-	32.45	5.04	34.53
AV	4.874G	45.77	54.00	-8.23	42.81	3	Horizontal	225	1.77	-	32.45	5.04	34.53
PK	7.31236G	54.46	74.00	-19.54	45.65	3	Horizontal	227	1.66	-	37.15	6.31	34.65
AV	7.31176G	45.57	54.00	-8.43	36.76	3	Horizontal	227	1.66	-	37.15	6.31	34.65
PK	12.18336G	56.90	74.00	-17.10	44.82	3	Horizontal	258	1.47	-	38.47	8.08	34.47
AV	12.1843G	45.68	54.00	-8.32	33.60	3	Horizontal	258	1.47	-	38.47	8.08	34.47

802.11b_Nss1,(1Mbps)_4TX

04/03/2021

2462MHz_TX



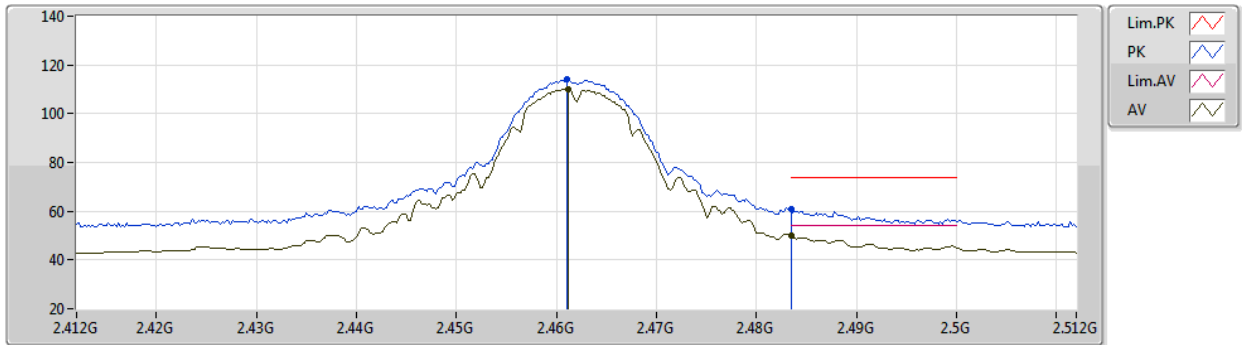
EUT Y_4TX
Setting 86
01-F-B-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.461G	116.38	Inf	-Inf	86.55	3	Vertical	100	2.78	-	27.57	2.26	-
AV	2.4612G	112.51	Inf	-Inf	82.68	3	Vertical	100	2.78	-	27.57	2.26	-
PK	2.4835G	61.47	74.00	-12.53	31.49	3	Vertical	100	2.78	-	27.70	2.28	-
AV	2.4835G	53.66	54.00	-0.34	23.68	3	Vertical	100	2.78	-	27.70	2.28	-

802.11b_Nss1,(1Mbps)_4TX

04/03/2021

2462MHz_TX



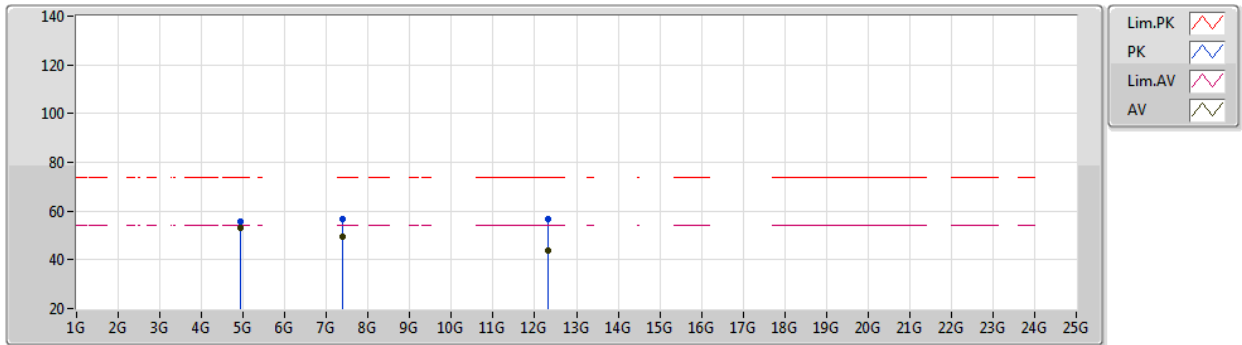
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Setting 86
01-F-B-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.461G	113.93	Inf	-Inf	84.10	3	Horizontal	84	1.79	-	27.57	2.26	-
AV	2.4612G	110.00	Inf	-Inf	80.17	3	Horizontal	84	1.79	-	27.57	2.26	-
PK	2.4835G	60.66	74.00	-13.34	30.68	3	Horizontal	84	1.79	-	27.70	2.28	-
AV	2.4835G	50.20	54.00	-3.80	20.22	3	Horizontal	84	1.79	-	27.70	2.28	-

802.11b_Nss1,(1Mbps)_4TX

04/03/2021

2462MHz_TX



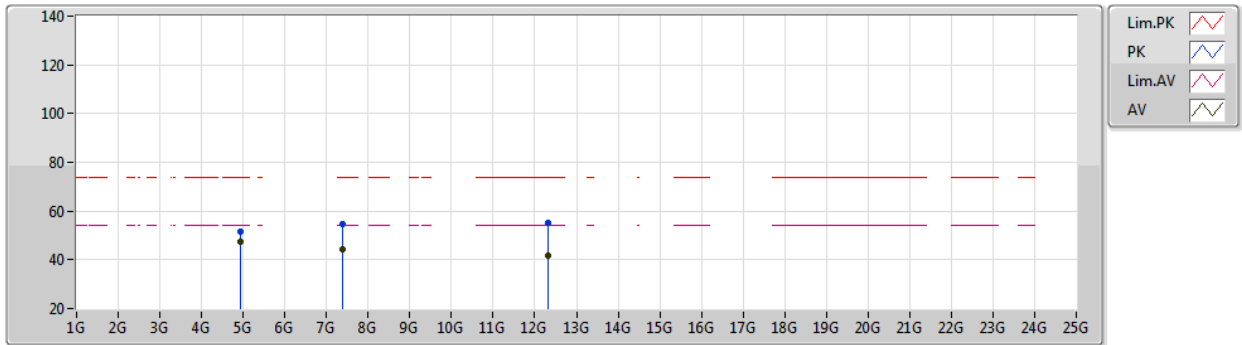
EUT Y_4TX
Setting 86
01-F-B-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92408G	55.65	74.00	-18.35	52.45	3	Vertical	88	1.66	-	32.64	5.06	34.50
AV	4.924G	53.15	54.00	-0.85	49.95	3	Vertical	88	1.66	-	32.64	5.06	34.50
PK	7.38692G	56.98	74.00	-17.02	47.95	3	Vertical	120	1.65	-	37.30	6.39	34.66
AV	7.38674G	49.54	54.00	-4.46	40.51	3	Vertical	120	1.65	-	37.30	6.39	34.66
PK	12.31044G	56.75	74.00	-17.25	44.61	3	Vertical	250	1.64	-	38.41	8.14	34.41
AV	12.30918G	43.64	54.00	-10.36	31.50	3	Vertical	250	1.64	-	38.41	8.14	34.41

802.11b_Nss1,(1Mbps)_4TX

04/03/2021

2462MHz_TX



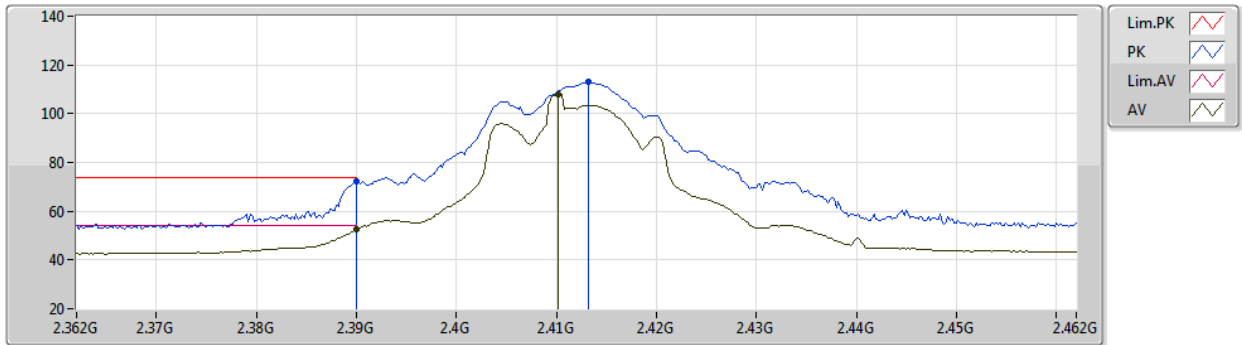
EUT_Y_4TX
Setting 86
01-F-B-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92396G	51.45	74.00	-22.55	48.25	3	Horizontal	354	1.33	-	32.64	5.06	34.50
AV	4.92402G	47.25	54.00	-6.75	44.05	3	Horizontal	354	1.33	-	32.64	5.06	34.50
PK	7.38502G	54.51	74.00	-19.49	45.48	3	Horizontal	219	1.51	-	37.30	6.39	34.66
AV	7.38676G	44.15	54.00	-9.85	35.12	3	Horizontal	219	1.51	-	37.30	6.39	34.66
PK	12.30906G	55.31	74.00	-18.69	43.17	3	Horizontal	263	2.57	-	38.41	8.14	34.41
AV	12.30934G	41.72	54.00	-12.28	29.58	3	Horizontal	263	2.57	-	38.41	8.14	34.41

802.11g_Nss1,(6Mbps)_4TX

04/03/2021

2412MHz_TX



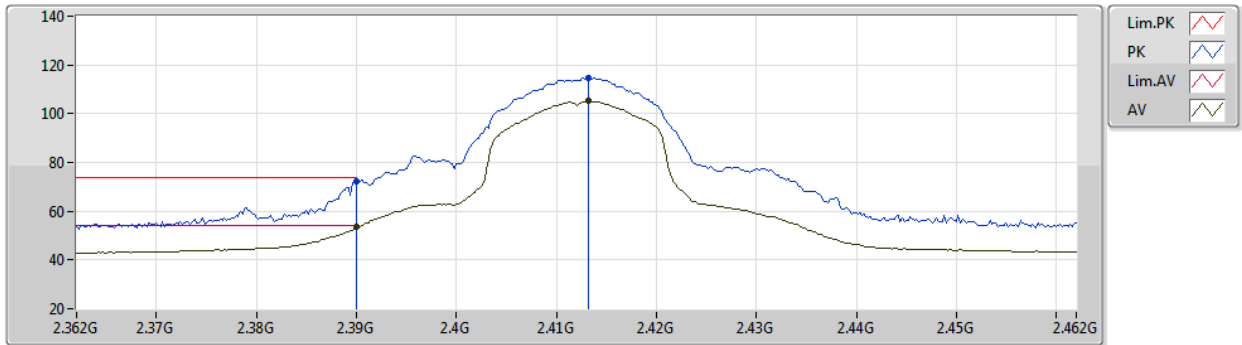
EUT Y_4TX
Setting 70
01-F-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	72.42	74.00	-1.58	42.85	3	Vertical	110	2.83	-	27.38	2.19	-
AV	2.39G	52.47	54.00	-1.53	22.90	3	Vertical	110	2.83	-	27.38	2.19	-
PK	2.4132G	112.91	Inf	-Inf	83.27	3	Vertical	110	2.83	-	27.43	2.21	-
AV	2.4102G	108.17	Inf	-Inf	78.54	3	Vertical	110	2.83	-	27.42	2.21	-

802.11g_Nss1,(6Mbps)_4TX

04/03/2021

2412MHz_TX



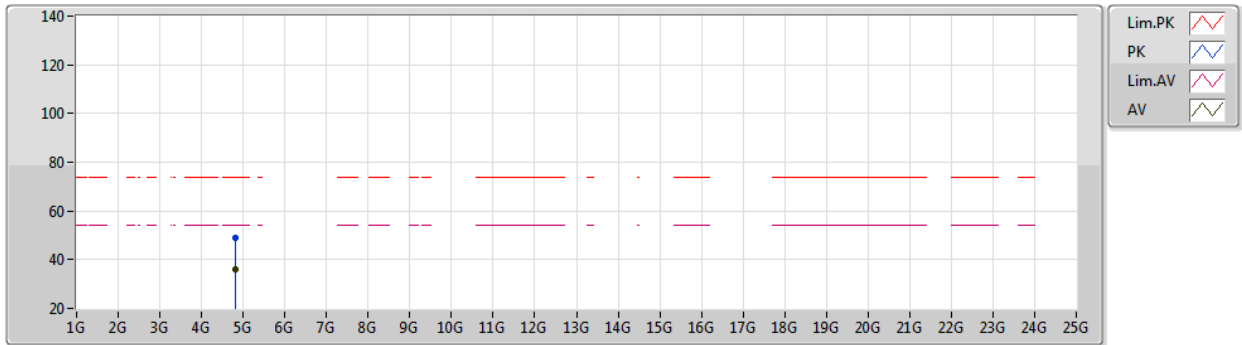
EUT Y_4TX
Setting 70
01-F-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	72.14	74.00	-1.86	42.57	3	Horizontal	94	2.05	-	27.38	2.19	-
AV	2.39G	53.52	54.00	-0.48	23.95	3	Horizontal	94	2.05	-	27.38	2.19	-
PK	2.4132G	114.54	Inf	-Inf	84.90	3	Horizontal	94	2.05	-	27.43	2.21	-
AV	2.4132G	105.16	Inf	-Inf	75.52	3	Horizontal	94	2.05	-	27.43	2.21	-

802.11g_Nss1,(6Mbps)_4TX

04/03/2021

2412MHz_TX



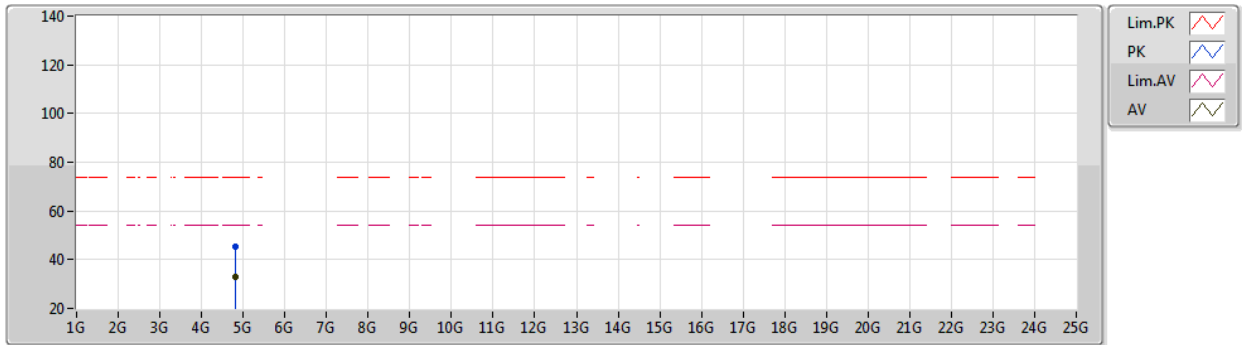
EUT_Y_4TX
Setting 70
01-F-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82302G	49.22	74.00	-24.78	46.52	3	Vertical	103	1.80	-	32.24	5.01	34.55
AV	4.82718G	36.12	54.00	-17.88	33.40	3	Vertical	103	1.80	-	32.26	5.01	34.55

802.11g_Nss1,(6Mbps)_4TX

04/03/2021

2412MHz_TX



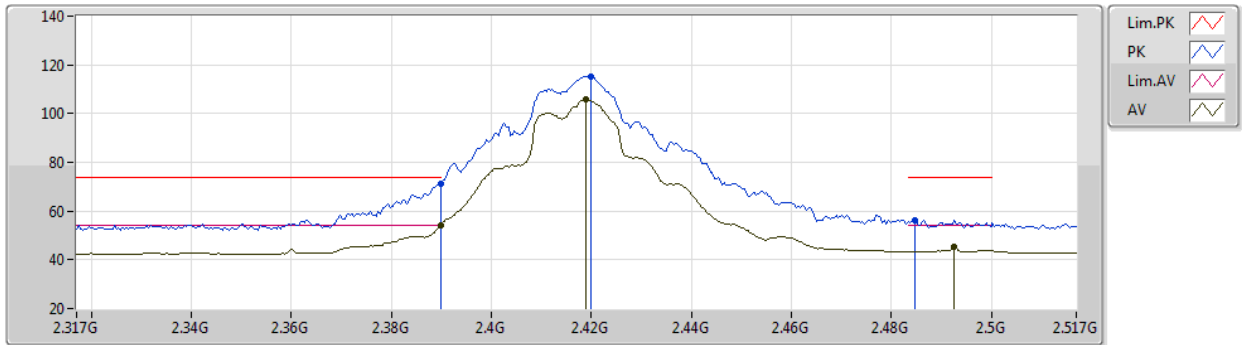
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Setting 70
01-F-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82674G	45.57	74.00	-28.43	42.85	3	Horizontal	12	1.40	-	32.26	5.01	34.55
AV	4.8225G	32.93	54.00	-21.07	30.24	3	Horizontal	12	1.40	-	32.23	5.01	34.55

802.11g_Nss1,(6Mbps)_4TX

04/03/2021

2417MHz_TX



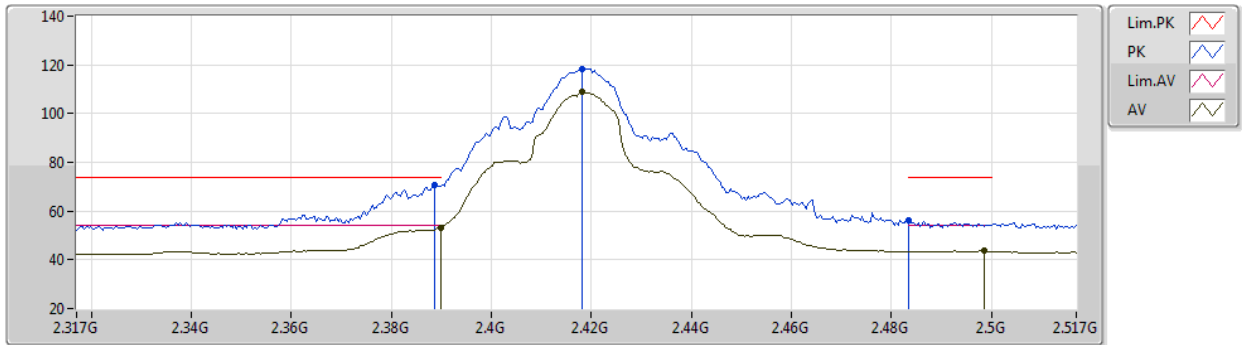
EUT Y_4TX
Setting 91
01-F-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	71.23	74.00	-2.77	41.66	3	Vertical	65	3.00	-	27.38	2.19	-
AV	2.3898G	53.97	54.00	-0.03	24.40	3	Vertical	65	3.00	-	27.38	2.19	-
PK	2.4198G	115.22	Inf	-Inf	85.56	3	Vertical	65	3.00	-	27.44	2.22	-
AV	2.419G	105.69	Inf	-Inf	76.03	3	Vertical	65	3.00	-	27.44	2.22	-
PK	2.4846G	56.45	74.00	-17.55	26.46	3	Vertical	65	3.00	-	27.71	2.28	-
AV	2.4926G	45.38	54.00	-8.62	15.33	3	Vertical	65	3.00	-	27.76	2.29	-

802.11g_Nss1,(6Mbps)_4TX

04/03/2021

2417MHz_TX



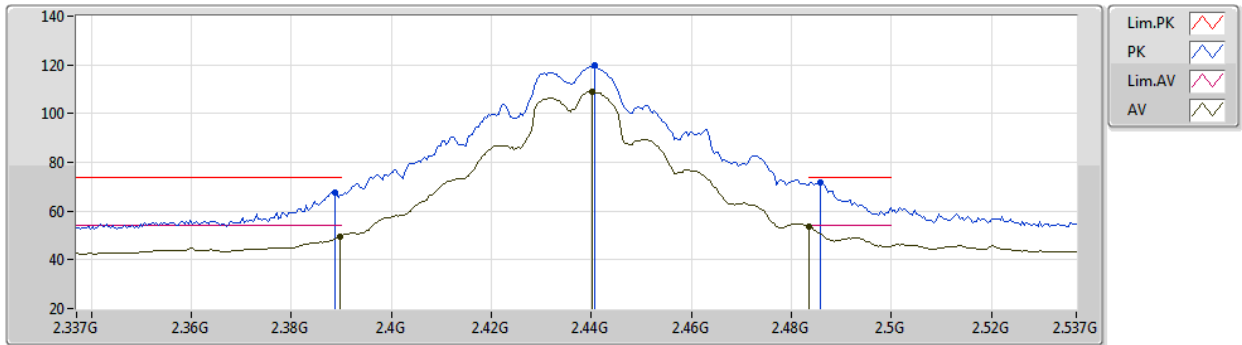
EUT Y_4TX
Setting 91
01-F-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3886G	70.83	74.00	-3.17	41.26	3	Horizontal	108	1.42	-	27.38	2.19	-
AV	2.3898G	53.22	54.00	-0.78	23.65	3	Horizontal	108	1.42	-	27.38	2.19	-
PK	2.4182G	118.27	Inf	-Inf	88.61	3	Horizontal	108	1.42	-	27.44	2.22	-
AV	2.4182G	108.75	Inf	-Inf	79.09	3	Horizontal	108	1.42	-	27.44	2.22	-
PK	2.4835G	56.45	74.00	-17.55	26.47	3	Horizontal	108	1.42	-	27.70	2.28	-
AV	2.4986G	43.72	54.00	-10.28	13.63	3	Horizontal	108	1.42	-	27.79	2.30	-

802.11g_Nss1,(6Mbps)_4TX

04/03/2021

2437MHz_TX



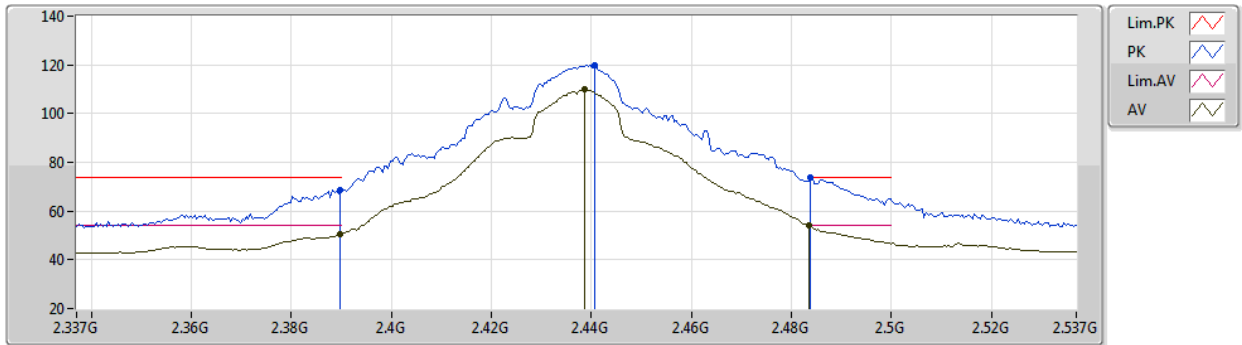
EUT Y_4TX
Setting 100
01-F-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3886G	67.56	74.00	-6.44	37.99	3	Vertical	71	2.46	-	27.38	2.19	-
AV	2.3898G	49.71	54.00	-4.29	20.14	3	Vertical	71	2.46	-	27.38	2.19	-
PK	2.4406G	120.07	Inf	-Inf	90.35	3	Vertical	71	2.46	-	27.48	2.24	-
AV	2.4402G	109.00	Inf	-Inf	79.28	3	Vertical	71	2.46	-	27.48	2.24	-
PK	2.4858G	71.92	74.00	-2.08	41.92	3	Vertical	71	2.46	-	27.71	2.29	-
AV	2.4835G	53.64	54.00	-0.36	23.66	3	Vertical	71	2.46	-	27.70	2.28	-

802.11g_Nss1,(6Mbps)_4TX

04/03/2021

2437MHz_TX



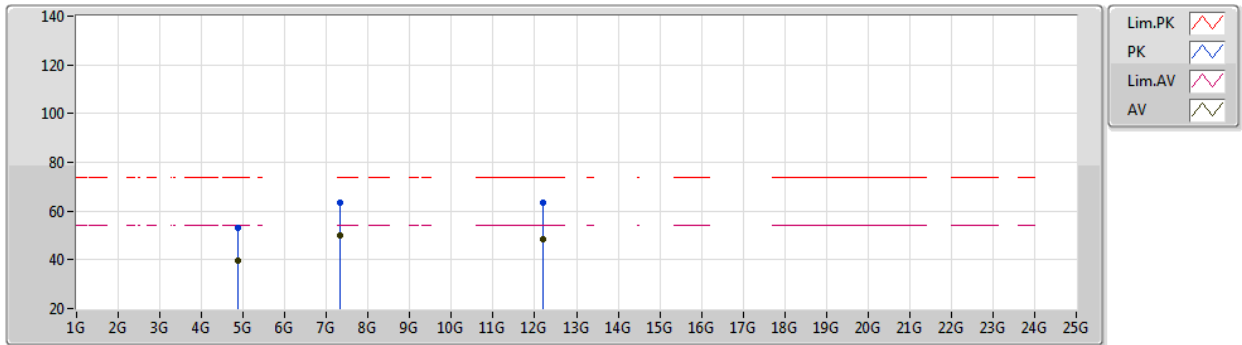
EUT Y_4TX
Setting 100
01-F-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	68.63	74.00	-5.37	39.06	3	Horizontal	93	1.72	-	27.38	2.19	-
AV	2.3898G	50.38	54.00	-3.62	20.81	3	Horizontal	93	1.72	-	27.38	2.19	-
PK	2.4406G	119.89	Inf	-Inf	90.17	3	Horizontal	93	1.72	-	27.48	2.24	-
AV	2.4386G	109.78	Inf	-Inf	80.06	3	Horizontal	93	1.72	-	27.48	2.24	-
PK	2.4838G	73.74	74.00	-0.26	43.76	3	Horizontal	93	1.72	-	27.70	2.28	-
AV	2.4835G	53.92	54.00	-0.08	23.94	3	Horizontal	93	1.72	-	27.70	2.28	-

802.11g_Nss1,(6Mbps)_4TX

04/03/2021

2437MHz_TX



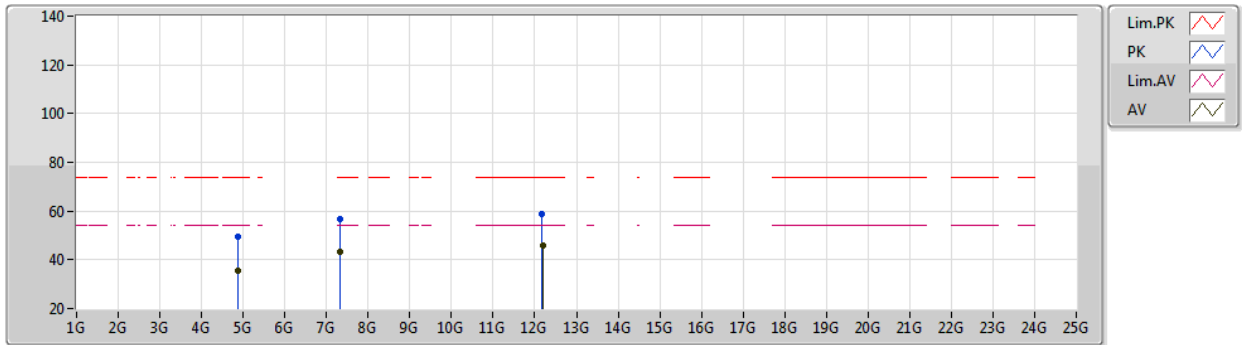
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Setting 100
01-F-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87654G	52.95	74.00	-21.05	49.98	3	Vertical	97	1.90	-	32.45	5.04	34.52
AV	4.87732G	39.42	54.00	-14.58	36.45	3	Vertical	97	1.90	-	32.45	5.04	34.52
PK	7.31284G	63.61	74.00	-10.39	54.80	3	Vertical	112	1.40	-	37.15	6.31	34.65
AV	7.31112G	50.04	54.00	-3.96	41.24	3	Vertical	112	1.40	-	37.14	6.31	34.65
PK	12.18358G	63.32	74.00	-10.68	51.24	3	Vertical	250	1.66	-	38.47	8.08	34.47
AV	12.18294G	48.66	54.00	-5.34	36.58	3	Vertical	250	1.66	-	38.47	8.08	34.47

802.11g_Nss1,(6Mbps)_4TX

04/03/2021

2437MHz_TX



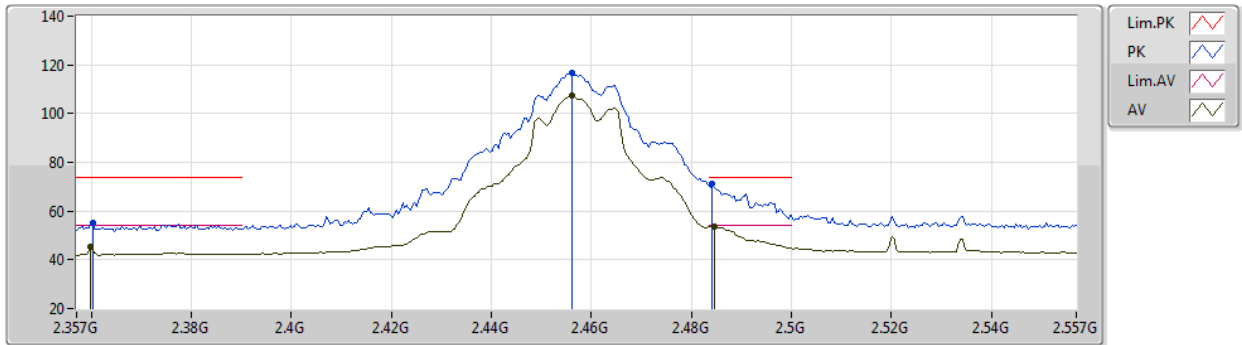
EUT_Y_4TX
Setting 100
01-F-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87288G	49.26	74.00	-24.74	46.30	3	Horizontal	222	2.41	-	32.45	5.04	34.53
AV	4.87352G	35.52	54.00	-18.48	32.56	3	Horizontal	222	2.41	-	32.45	5.04	34.53
PK	7.31466G	56.52	74.00	-17.48	47.70	3	Horizontal	19	1.47	-	37.16	6.31	34.65
AV	7.31466G	43.36	54.00	-10.64	34.54	3	Horizontal	19	1.47	-	37.16	6.31	34.65
PK	12.18168G	58.96	74.00	-15.04	46.89	3	Horizontal	24	1.16	-	38.46	8.08	34.47
AV	12.18324G	46.07	54.00	-7.93	33.99	3	Horizontal	24	1.16	-	38.47	8.08	34.47

802.11g_Nss1,(6Mbps)_4TX

04/03/2021

2457MHz_TX



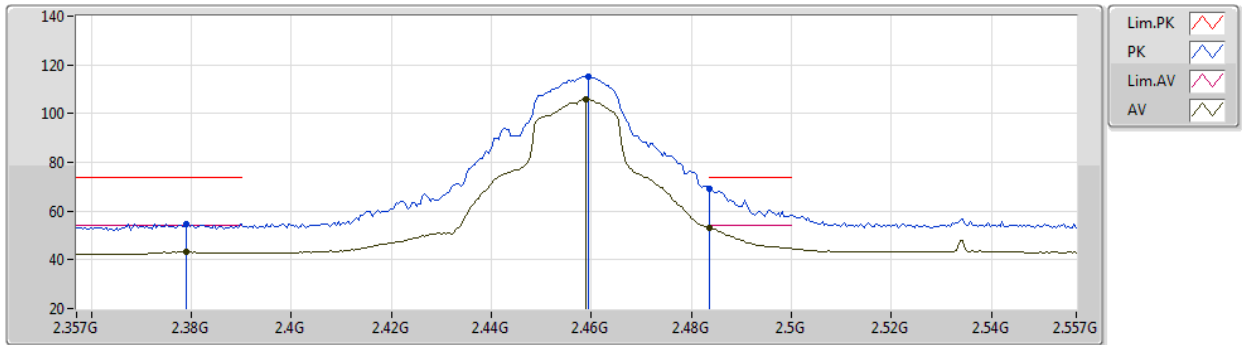
EUT Y_4TX
Setting 84
01-F-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3602G	55.09	74.00	-18.91	25.61	3	Vertical	97	2.76	-	27.32	2.16	-
AV	2.3598G	45.29	54.00	-8.71	15.81	3	Vertical	97	2.76	-	27.32	2.16	-
PK	2.4562G	116.53	Inf	-Inf	86.73	3	Vertical	97	2.76	-	27.54	2.26	-
AV	2.4562G	107.34	Inf	-Inf	77.54	3	Vertical	97	2.76	-	27.54	2.26	-
PK	2.4842G	71.07	74.00	-2.93	41.08	3	Vertical	97	2.76	-	27.71	2.28	-
AV	2.4846G	53.62	54.00	-0.38	23.63	3	Vertical	97	2.76	-	27.71	2.28	-

802.11g_Nss1,(6Mbps)_4TX

04/03/2021

2457MHz_TX



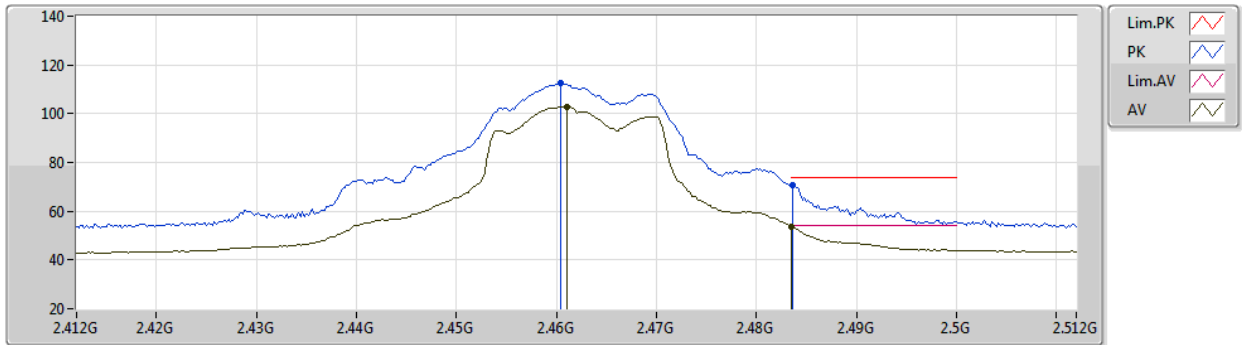
EUT Y_4TX
Setting 84
01-F-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.379G	54.90	74.00	-19.10	25.36	3	Horizontal	97	1.80	-	27.36	2.18	-
AV	2.379G	43.27	54.00	-10.73	13.73	3	Horizontal	97	1.80	-	27.36	2.18	-
PK	2.4594G	115.35	Inf	-Inf	85.53	3	Horizontal	97	1.80	-	27.56	2.26	-
AV	2.459G	105.76	Inf	-Inf	75.95	3	Horizontal	97	1.80	-	27.55	2.26	-
PK	2.4835G	69.08	74.00	-4.92	39.10	3	Horizontal	97	1.80	-	27.70	2.28	-
AV	2.4835G	53.28	54.00	-0.72	23.30	3	Horizontal	97	1.80	-	27.70	2.28	-

802.11g_Nss1,(6Mbps)_4TX

04/03/2021

2462MHz_TX



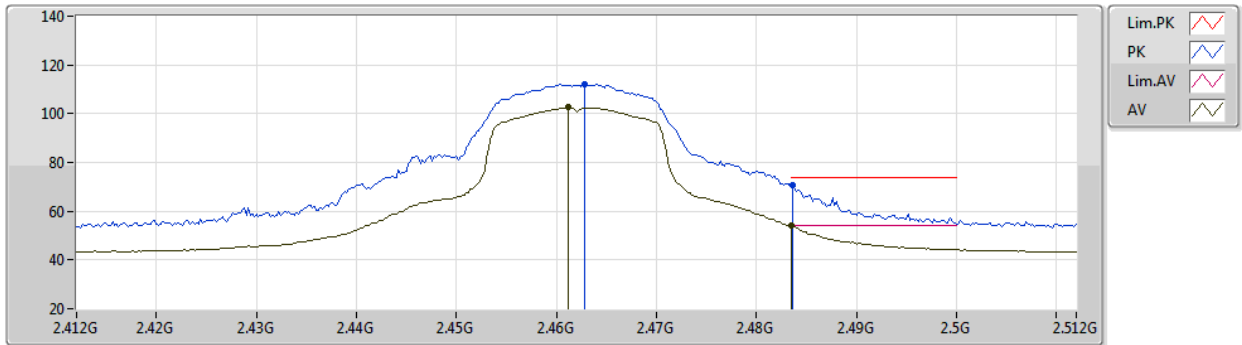
EUT Y_4TX
Setting 69
01-F-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4604G	112.80	Inf	-Inf	82.98	3	Vertical	93	2.49	-	27.56	2.26	-
AV	2.461G	102.86	Inf	-Inf	73.03	3	Vertical	93	2.49	-	27.57	2.26	-
PK	2.4836G	70.77	74.00	-3.23	40.79	3	Vertical	93	2.49	-	27.70	2.28	-
AV	2.4835G	53.80	54.00	-0.20	23.82	3	Vertical	93	2.49	-	27.70	2.28	-

802.11g_Nss1,(6Mbps)_4TX

04/03/2021

2462MHz_TX



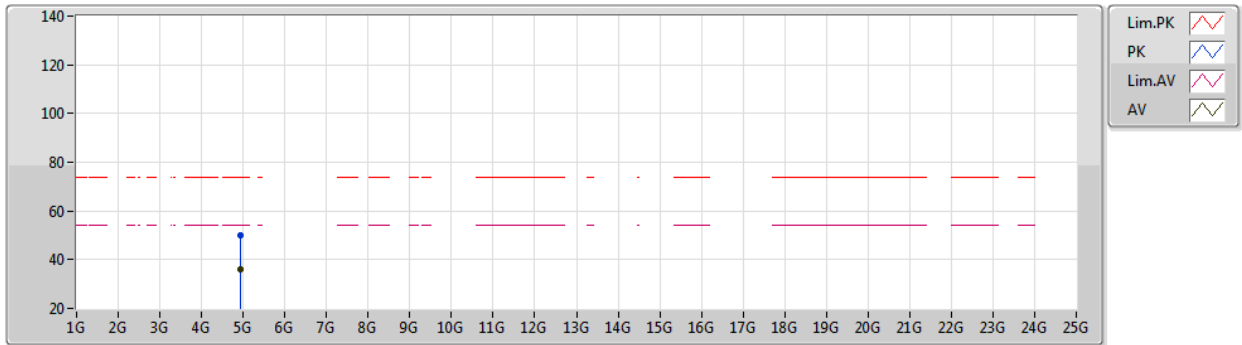
EUT Y_4TX
Setting 69
01-F-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4628G	111.98	Inf	-Inf	82.14	3	Horizontal	90	1.95	-	27.58	2.26	-
AV	2.4612G	102.55	Inf	-Inf	72.72	3	Horizontal	90	1.95	-	27.57	2.26	-
PK	2.4836G	70.76	74.00	-3.24	40.78	3	Horizontal	90	1.95	-	27.70	2.28	-
AV	2.4835G	53.94	54.00	-0.06	23.96	3	Horizontal	90	1.95	-	27.70	2.28	-

802.11g_Nss1,(6Mbps)_4TX

04/03/2021

2462MHz_TX



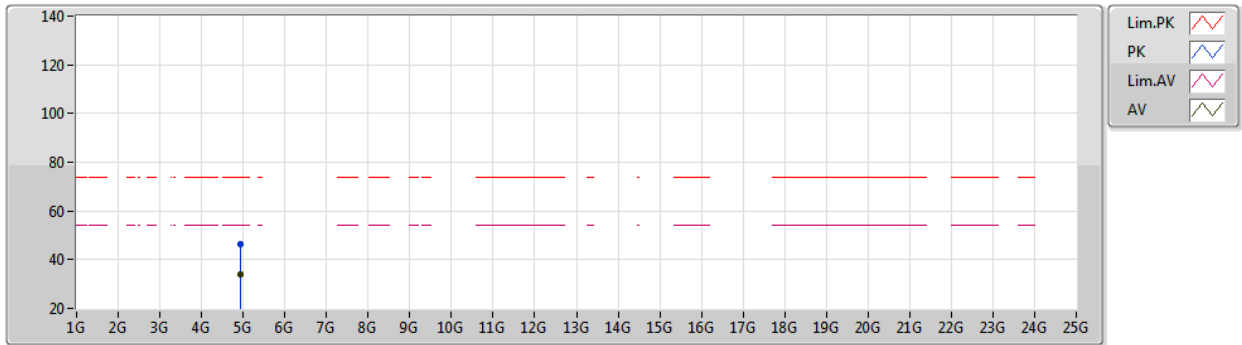
EUT Y_4TX
Setting 69
01-F-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92284G	50.12	74.00	-23.88	46.92	3	Vertical	88	2.13	-	32.64	5.06	34.50
AV	4.9233G	35.88	54.00	-18.12	32.68	3	Vertical	88	2.13	-	32.64	5.06	34.50

802.11g_Nss1,(6Mbps)_4TX

04/03/2021

2462MHz_TX



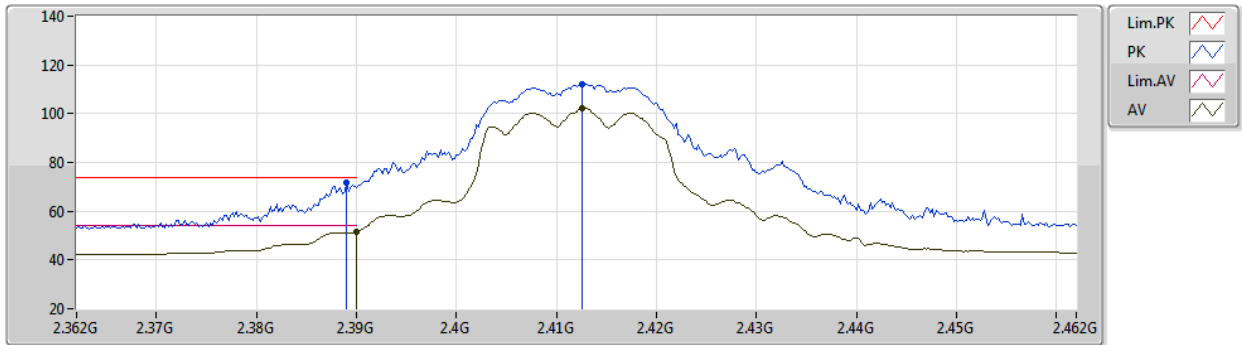
EUT Y_4TX
Setting 69
01-F-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92262G	46.28	74.00	-27.72	43.08	3	Horizontal	20	1.35	-	32.64	5.06	34.50
AV	4.92232G	34.00	54.00	-20.00	30.81	3	Horizontal	20	1.35	-	32.63	5.06	34.50

VHT20_Nss1,(MCS0)_4TX

04/03/2021

2412MHz_TX



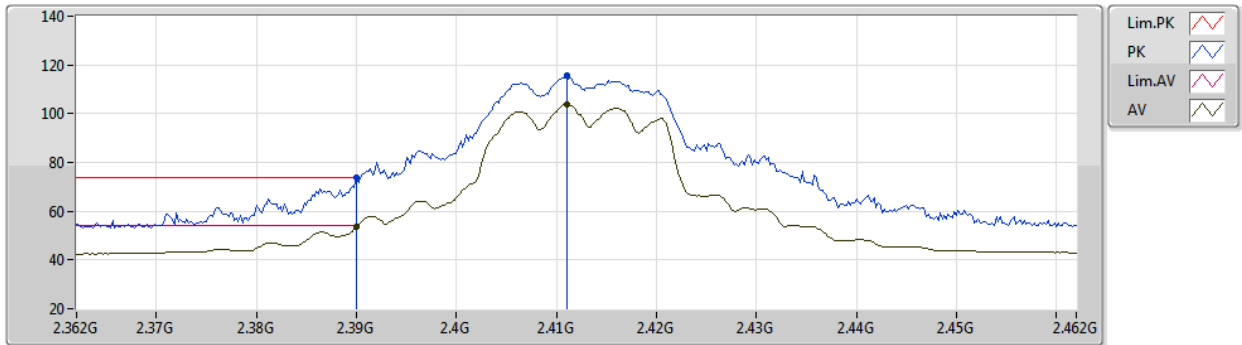
EUT Y_4TX
Setting 73
01-F-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.389G	71.52	74.00	-2.48	41.95	3	Vertical	109	2.48	-	27.38	2.19	-
AV	2.39G	51.43	54.00	-2.57	21.86	3	Vertical	109	2.48	-	27.38	2.19	-
PK	2.4126G	112.22	Inf	-Inf	82.58	3	Vertical	109	2.48	-	27.43	2.21	-
AV	2.4126G	102.32	Inf	-Inf	72.68	3	Vertical	109	2.48	-	27.43	2.21	-

VHT20_Nss1,(MCS0)_4TX

04/03/2021

2412MHz_TX



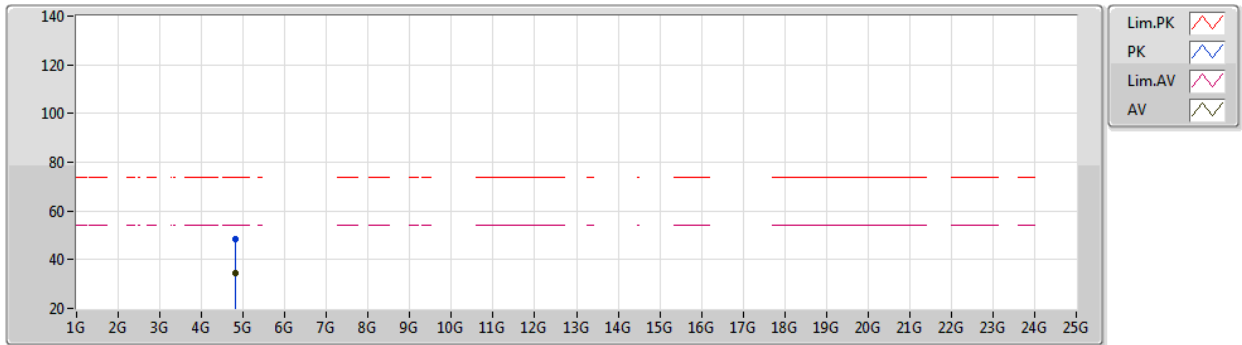
EUT Y_4TX
Setting 73
01-F-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	73.95	74.00	-0.05	44.38	3	Horizontal	106	1.90	-	27.38	2.19	-
AV	2.39G	53.48	54.00	-0.52	23.91	3	Horizontal	106	1.90	-	27.38	2.19	-
PK	2.411G	115.60	Inf	-Inf	85.97	3	Horizontal	106	1.90	-	27.42	2.21	-
AV	2.411G	103.76	Inf	-Inf	74.13	3	Horizontal	106	1.90	-	27.42	2.21	-

VHT20_Nss1,(MCS0)_4TX

04/03/2021

2412MHz_TX



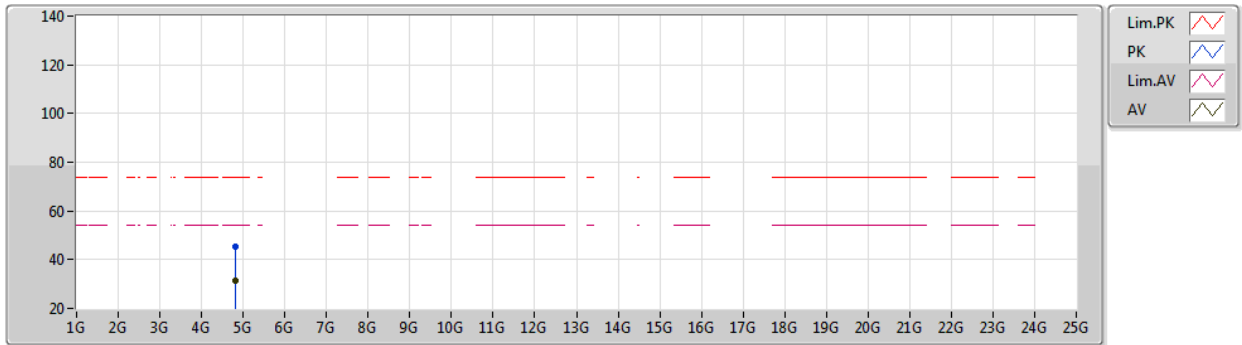
EUT Y_4TX
Setting 73
01-F-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82348G	48.68	74.00	-25.32	45.98	3	Vertical	97	1.92	-	32.24	5.01	34.55
AV	4.82348G	34.29	54.00	-19.71	31.59	3	Vertical	97	1.92	-	32.24	5.01	34.55

VHT20_Nss1,(MCS0)_4TX

04/03/2021

2412MHz_TX



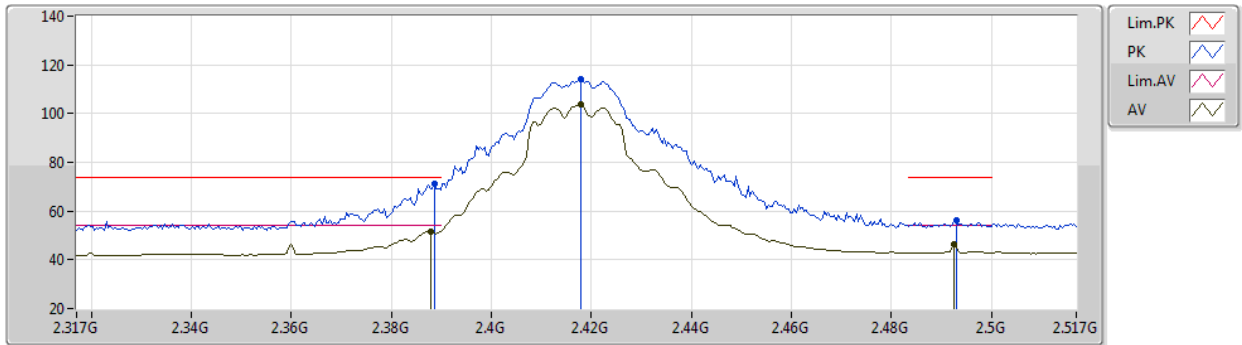
EUT Y_4TX
Setting 73
01-F-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82366G	45.54	74.00	-28.46	42.84	3	Horizontal	294	1.80	-	32.24	5.01	34.55
AV	4.82322G	31.31	54.00	-22.69	28.61	3	Horizontal	294	1.80	-	32.24	5.01	34.55

VHT20_Nss1,(MCS0)_4TX

04/03/2021

2417MHz_TX



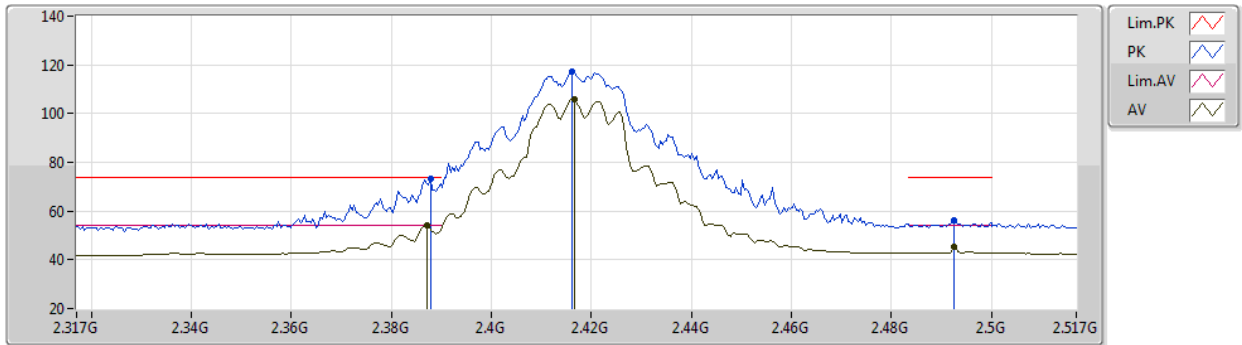
EUT_Y_4TX
Setting 86
01-F-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3886G	71.21	74.00	-2.79	41.64	3	Vertical	102	2.39	-	27.38	2.19	-
AV	2.3878G	51.78	54.00	-2.22	22.21	3	Vertical	102	2.39	-	27.38	2.19	-
PK	2.4178G	114.01	Inf	-Inf	84.35	3	Vertical	102	2.39	-	27.44	2.22	-
AV	2.4178G	104.03	Inf	-Inf	74.37	3	Vertical	102	2.39	-	27.44	2.22	-
PK	2.493G	56.04	74.00	-17.96	25.99	3	Vertical	102	2.39	-	27.76	2.29	-
AV	2.4926G	46.30	54.00	-7.70	16.25	3	Vertical	102	2.39	-	27.76	2.29	-

VHT20_Nss1,(MCS0)_4TX

04/03/2021

2417MHz_TX

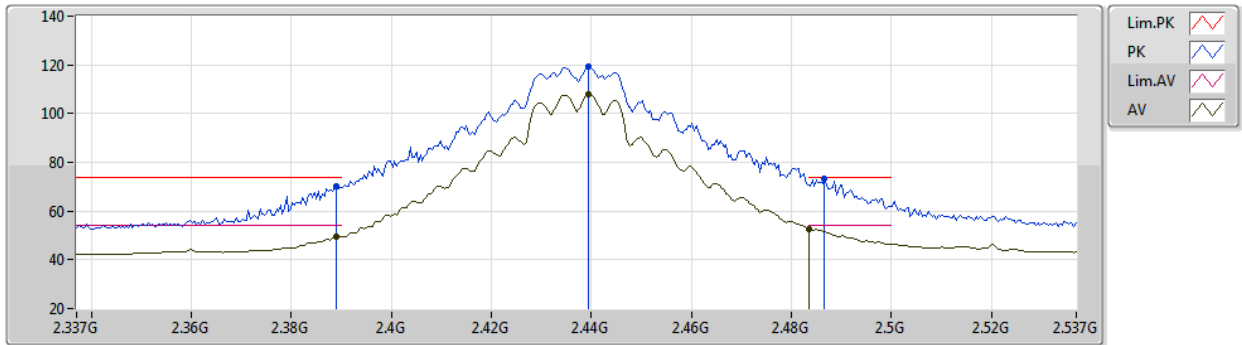

EUT Y_4TX
Setting 86
01-F-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3878G	73.06	74.00	-0.94	43.49	3	Horizontal	104	1.80	-	27.38	2.19	-
AV	2.387G	53.90	54.00	-0.10	24.34	3	Horizontal	104	1.80	-	27.37	2.19	-
PK	2.4162G	117.43	Inf	-Inf	87.78	3	Horizontal	104	1.80	-	27.43	2.22	-
AV	2.4166G	105.88	Inf	-Inf	76.23	3	Horizontal	104	1.80	-	27.43	2.22	-
PK	2.4926G	56.20	74.00	-17.80	26.15	3	Horizontal	104	1.80	-	27.76	2.29	-
AV	2.4926G	45.10	54.00	-8.90	15.05	3	Horizontal	104	1.80	-	27.76	2.29	-

VHT20_Nss1,(MCS0)_4TX

04/03/2021

2437MHz_TX



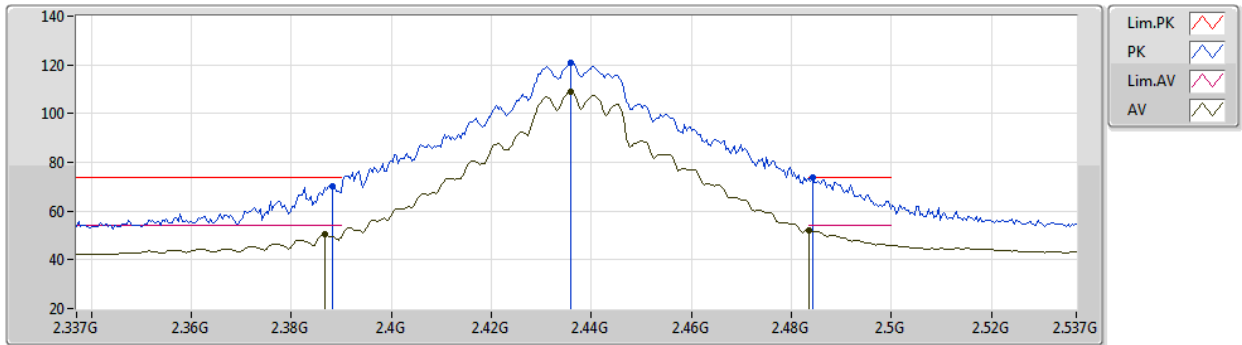
EUT Y_4TX
Setting 99
01-F-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.389G	70.17	74.00	-3.83	40.60	3	Vertical	77	2.50	-	27.38	2.19	-
AV	2.389G	49.60	54.00	-4.40	20.03	3	Vertical	77	2.50	-	27.38	2.19	-
PK	2.4394G	119.26	Inf	-Inf	89.54	3	Vertical	77	2.50	-	27.48	2.24	-
AV	2.4394G	107.83	Inf	-Inf	78.11	3	Vertical	77	2.50	-	27.48	2.24	-
PK	2.4866G	73.16	74.00	-0.84	43.15	3	Vertical	77	2.50	-	27.72	2.29	-
AV	2.4835G	52.45	54.00	-1.55	22.47	3	Vertical	77	2.50	-	27.70	2.28	-

VHT20_Nss1,(MCS0)_4TX

04/03/2021

2437MHz_TX



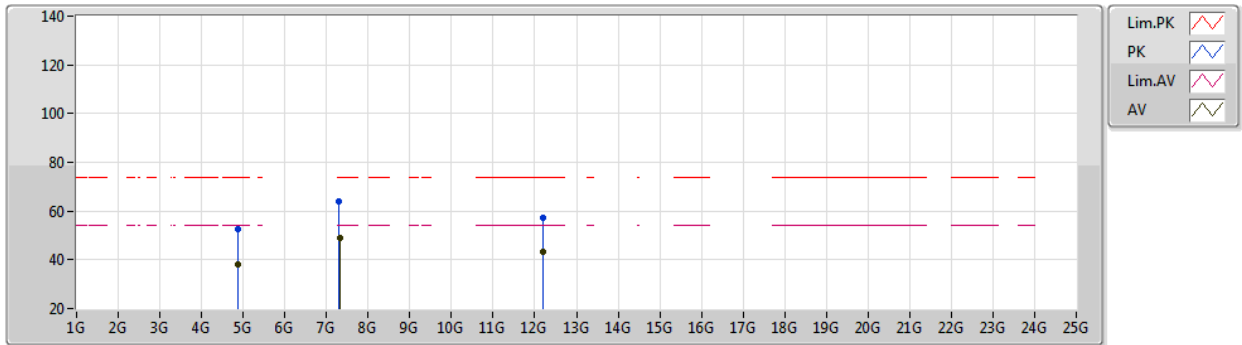
EUT_Y_4TX
Setting 99
01-F-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3882G	70.35	74.00	-3.65	40.78	3	Horizontal	101	2.23	-	27.38	2.19	-
AV	2.3866G	50.60	54.00	-3.40	21.04	3	Horizontal	101	2.23	-	27.37	2.19	-
PK	2.4358G	120.84	Inf	-Inf	91.13	3	Horizontal	101	2.23	-	27.47	2.24	-
AV	2.4358G	108.92	Inf	-Inf	79.21	3	Horizontal	101	2.23	-	27.47	2.24	-
PK	2.4842G	73.83	74.00	-0.17	43.84	3	Horizontal	101	2.23	-	27.71	2.28	-
AV	2.4835G	52.12	54.00	-1.88	22.14	3	Horizontal	101	2.23	-	27.70	2.28	-

VHT20_Nss1,(MCS0)_4TX

04/03/2021

2437MHz_TX



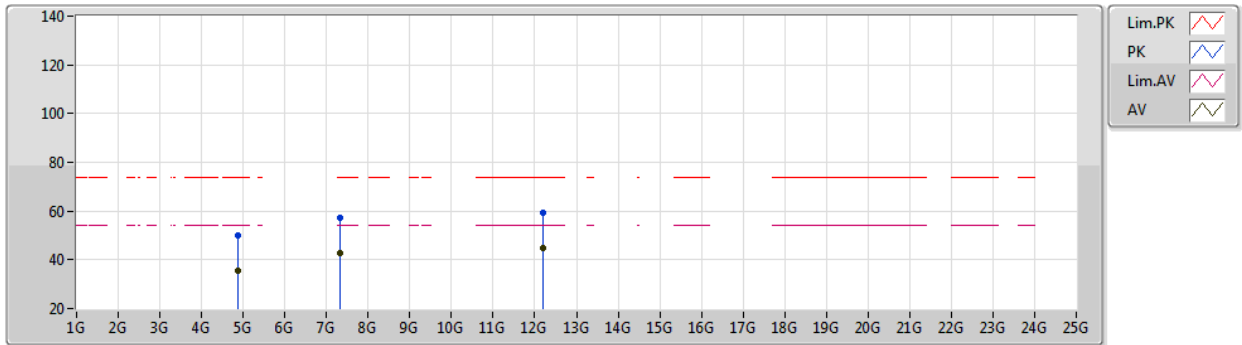
EUT Y_4TX
Setting 99
01-F-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8705G	52.53	74.00	-21.47	49.58	3	Vertical	102	1.85	-	32.44	5.04	34.53
AV	4.87506G	38.17	54.00	-15.83	35.20	3	Vertical	102	1.85	-	32.45	5.04	34.52
PK	7.307G	64.01	74.00	-9.99	55.22	3	Vertical	123	1.68	-	37.13	6.31	34.65
AV	7.3118G	49.19	54.00	-4.81	40.38	3	Vertical	123	1.68	-	37.15	6.31	34.65
PK	12.18388G	57.45	74.00	-16.55	45.37	3	Vertical	137	1.80	-	38.47	8.08	34.47
AV	12.18502G	43.30	54.00	-10.70	31.21	3	Vertical	137	1.80	-	38.47	8.08	34.46

VHT20_Nss1,(MCS0)_4TX

04/03/2021

2437MHz_TX



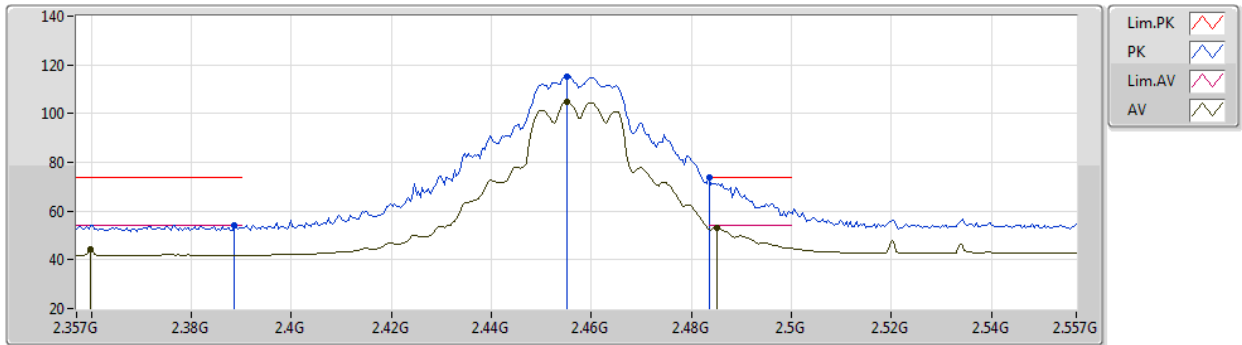
EUT_Y_4TX
Setting 99
01-F-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87414G	50.18	74.00	-23.82	47.22	3	Horizontal	225	1.79	-	32.45	5.04	34.53
AV	4.87384G	35.66	54.00	-18.34	32.70	3	Horizontal	225	1.79	-	32.45	5.04	34.53
PK	7.31218G	57.27	74.00	-16.73	48.46	3	Horizontal	21	1.46	-	37.15	6.31	34.65
AV	7.31208G	42.88	54.00	-11.12	34.07	3	Horizontal	21	1.46	-	37.15	6.31	34.65
PK	12.18996G	59.21	74.00	-14.79	47.10	3	Horizontal	31	1.80	-	38.48	8.09	34.46
AV	12.18462G	44.59	54.00	-9.41	32.51	3	Horizontal	31	1.80	-	38.47	8.08	34.47

VHT20_Nss1,(MCS0)_4TX

04/03/2021

2457MHz_TX



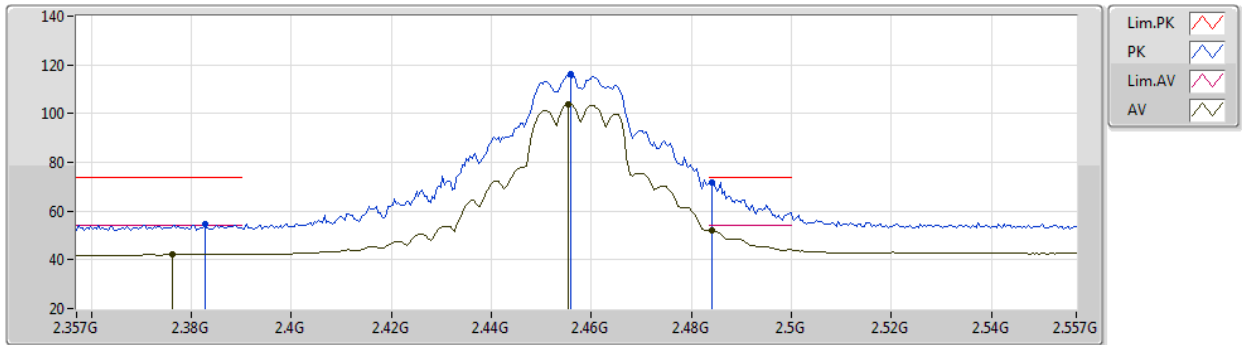
EUT Y_4TX
Setting 84
01-F-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3886G	54.04	74.00	-19.96	24.47	3	Vertical	81	2.75	-	27.38	2.19	-
AV	2.3598G	44.23	54.00	-9.77	14.75	3	Vertical	81	2.75	-	27.32	2.16	-
PK	2.455G	115.25	Inf	-Inf	85.46	3	Vertical	81	2.75	-	27.53	2.26	-
AV	2.455G	104.78	Inf	-Inf	74.99	3	Vertical	81	2.75	-	27.53	2.26	-
PK	2.4835G	73.92	74.00	-0.08	43.94	3	Vertical	81	2.75	-	27.70	2.28	-
AV	2.485G	53.11	54.00	-0.89	23.11	3	Vertical	81	2.75	-	27.71	2.29	-

VHT20_Nss1,(MCS0)_4TX

04/03/2021

2457MHz_TX



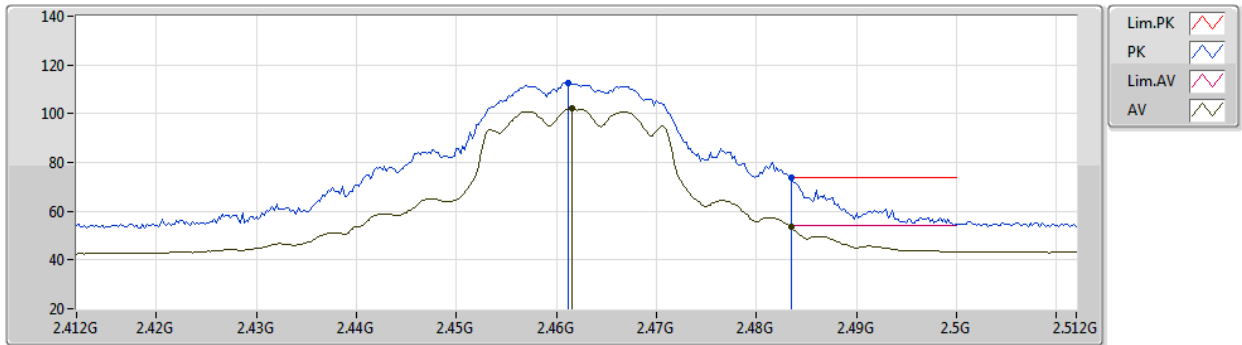
EUT Y_4TX
Setting 84
01-F-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3826G	54.47	74.00	-19.53	24.92	3	Horizontal	108	1.94	-	27.37	2.18	-
AV	2.3762G	42.49	54.00	-11.51	12.96	3	Horizontal	108	1.94	-	27.35	2.18	-
PK	2.4558G	116.17	Inf	-Inf	86.38	3	Horizontal	108	1.94	-	27.53	2.26	-
AV	2.4554G	104.00	Inf	-Inf	74.21	3	Horizontal	108	1.94	-	27.53	2.26	-
PK	2.4842G	71.79	74.00	-2.21	41.80	3	Horizontal	108	1.94	-	27.71	2.28	-
AV	2.4842G	51.92	54.00	-2.08	21.93	3	Horizontal	108	1.94	-	27.71	2.28	-

VHT20_Nss1,(MCS0)_4TX

04/03/2021

2462MHz_TX



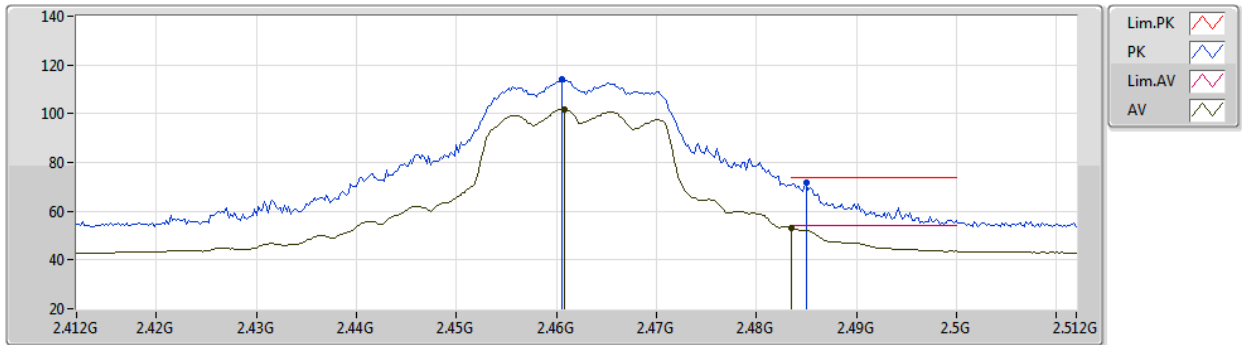
EUT Y_4TX
Setting 71
01-F-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4612G	112.71	Inf	-Inf	82.88	3	Vertical	103	2.98	-	27.57	2.26	-
AV	2.4616G	102.20	Inf	-Inf	72.37	3	Vertical	103	2.98	-	27.57	2.26	-
PK	2.4835G	73.86	74.00	-0.14	43.88	3	Vertical	103	2.98	-	27.70	2.28	-
AV	2.4835G	53.67	54.00	-0.33	23.69	3	Vertical	103	2.98	-	27.70	2.28	-

VHT20_Nss1,(MCS0)_4TX

04/03/2021

2462MHz_TX



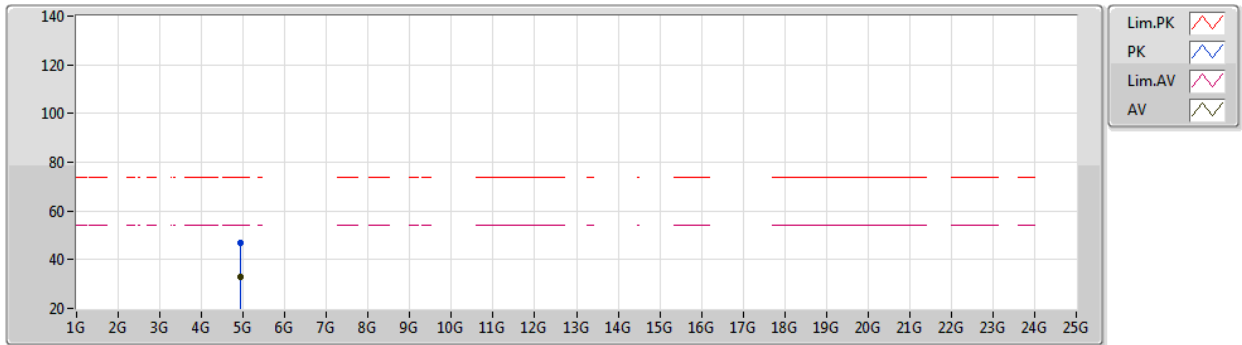
EUT Y_4TX
Setting 71
01-F-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4606G	114.28	Inf	-Inf	84.46	3	Horizontal	103	1.95	-	27.56	2.26	-
AV	2.4608G	101.94	Inf	-Inf	72.12	3	Horizontal	103	1.95	-	27.56	2.26	-
PK	2.485G	71.63	74.00	-2.37	41.63	3	Horizontal	103	1.95	-	27.71	2.29	-
AV	2.4835G	53.06	54.00	-0.94	23.08	3	Horizontal	103	1.95	-	27.70	2.28	-

VHT20_Nss1,(MCS0)_4TX

04/03/2021

2462MHz_TX



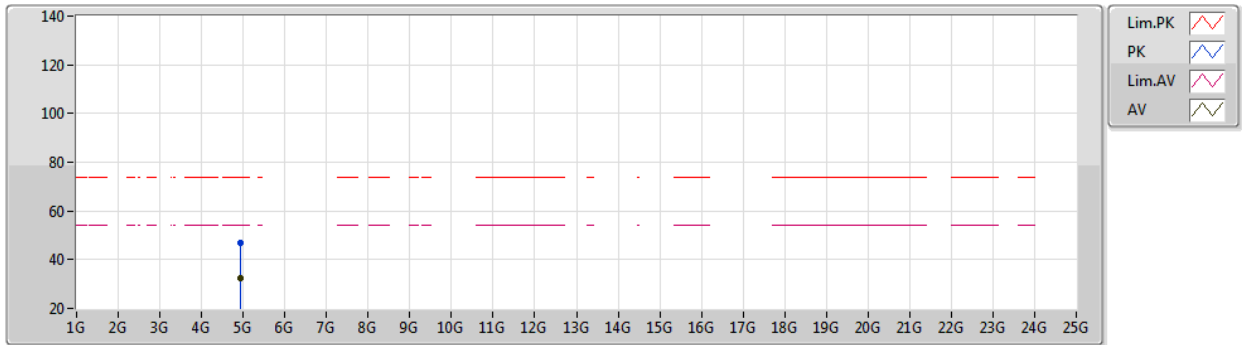
EUT Y_4TX
Setting 71
01-F-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92478G	47.14	74.00	-26.86	43.93	3	Vertical	126	1.80	-	32.65	5.06	34.50
AV	4.9235G	32.69	54.00	-21.31	29.49	3	Vertical	126	1.80	-	32.64	5.06	34.50

VHT20_Nss1,(MCS0)_4TX

04/03/2021

2462MHz_TX



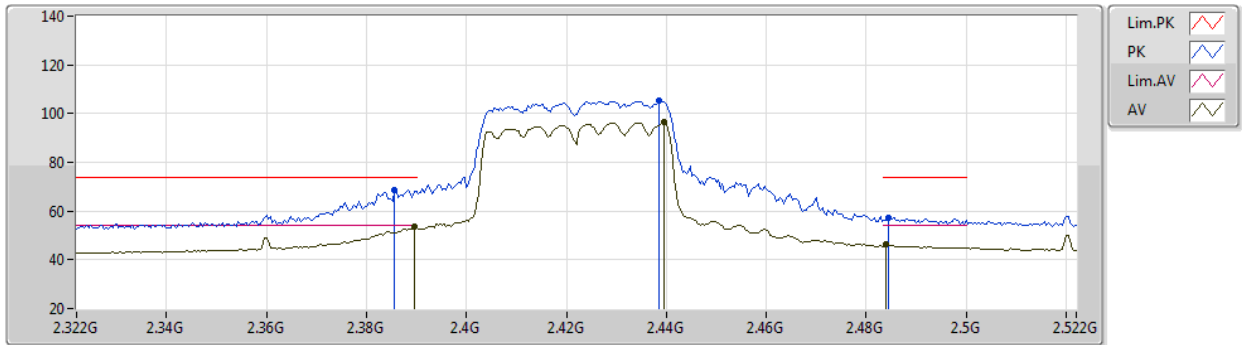
EUT Y_4TX
Setting 71
01-F-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92688G	46.66	74.00	-27.34	43.44	3	Horizontal	86	1.79	-	32.66	5.06	34.50
AV	4.92184G	32.56	54.00	-21.44	29.37	3	Horizontal	86	1.79	-	32.63	5.06	34.50

VHT40_Nss1,(MCS0)_4TX

04/03/2021

2422MHz_TX



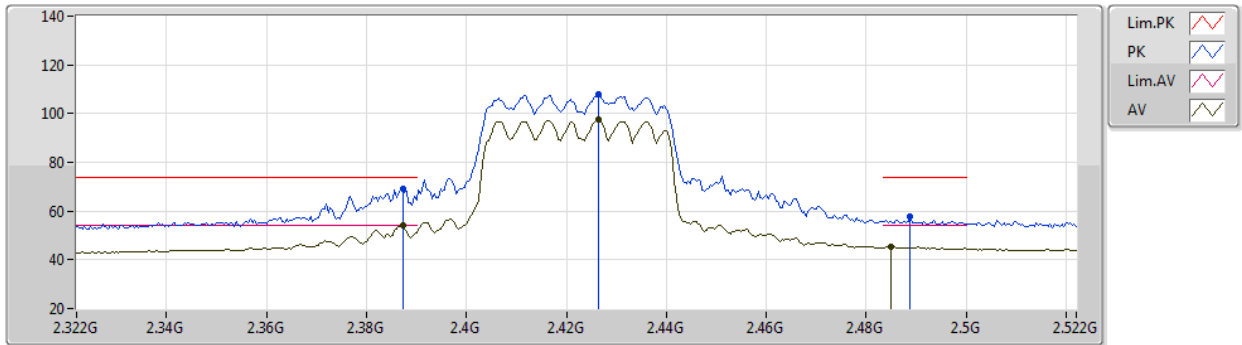
EUT Y_4TX
Setting 60
01-F-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3856G	68.66	74.00	-5.34	39.10	3	Vertical	72	2.48	-	27.37	2.19	-
AV	2.3896G	53.48	54.00	-0.52	23.91	3	Vertical	72	2.48	-	27.38	2.19	-
PK	2.4384G	105.32	Inf	-Inf	75.60	3	Vertical	72	2.48	-	27.48	2.24	-
AV	2.4396G	96.35	Inf	-Inf	66.63	3	Vertical	72	2.48	-	27.48	2.24	-
PK	2.4844G	57.30	74.00	-16.70	27.31	3	Vertical	72	2.48	-	27.71	2.28	-
AV	2.484G	46.56	54.00	-7.44	16.58	3	Vertical	72	2.48	-	27.70	2.28	-

VHT40_Nss1,(MCS0)_4TX

04/03/2021

2422MHz_TX



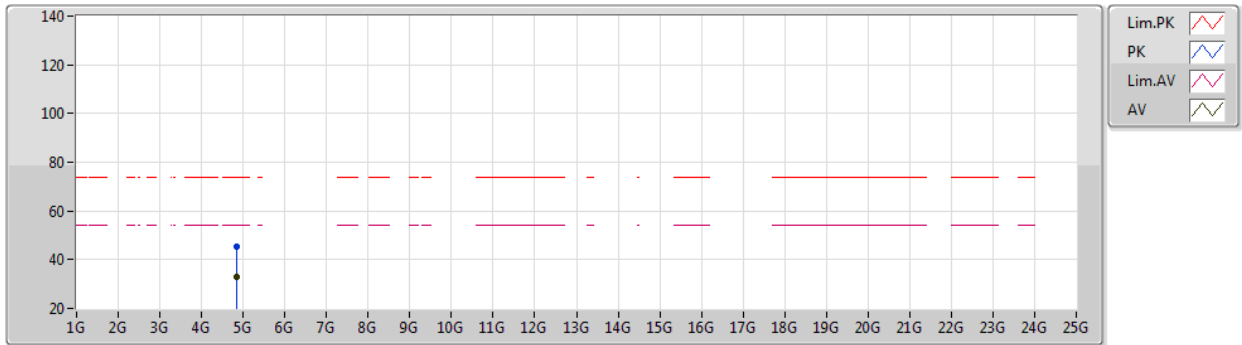
EUT_Y_4TX
Setting 60
01-F-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3872G	69.06	74.00	-4.94	39.50	3	Horizontal	104	1.80	-	27.37	2.19	-
AV	2.3872G	53.97	54.00	-0.03	24.41	3	Horizontal	104	1.80	-	27.37	2.19	-
PK	2.4264G	108.10	Inf	-Inf	78.42	3	Horizontal	104	1.80	-	27.45	2.23	-
AV	2.4264G	97.48	Inf	-Inf	67.80	3	Horizontal	104	1.80	-	27.45	2.23	-
PK	2.4888G	57.69	74.00	-16.31	27.67	3	Horizontal	104	1.80	-	27.73	2.29	-
AV	2.4848G	45.59	54.00	-8.41	15.60	3	Horizontal	104	1.80	-	27.71	2.28	-

VHT40_Nss1,(MCS0)_4TX

04/03/2021

2422MHz_TX



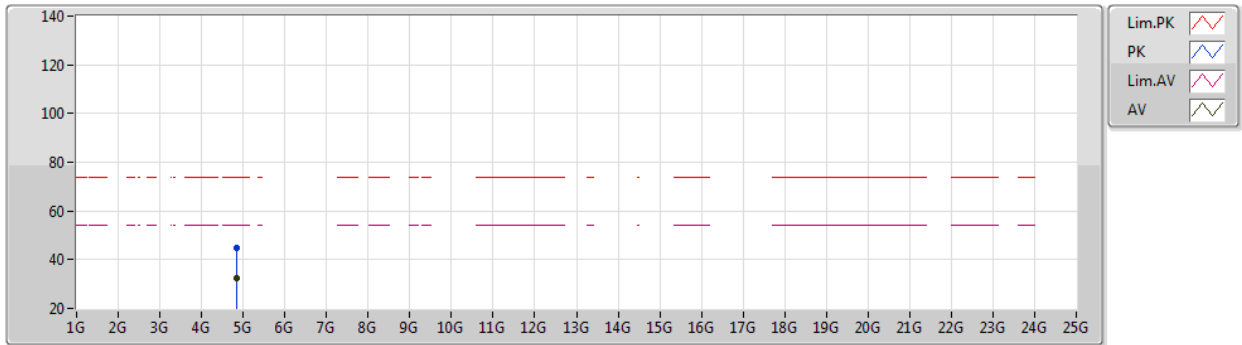
EUT Y_4TX
Setting 60
01-F-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.84336G	45.36	74.00	-28.64	42.52	3	Vertical	99	1.80	-	32.36	5.02	34.54
AV	4.84892G	32.93	54.00	-21.07	30.06	3	Vertical	99	1.80	-	32.39	5.02	34.54

VHT40_Nss1,(MCS0)_4TX

04/03/2021

2422MHz_TX



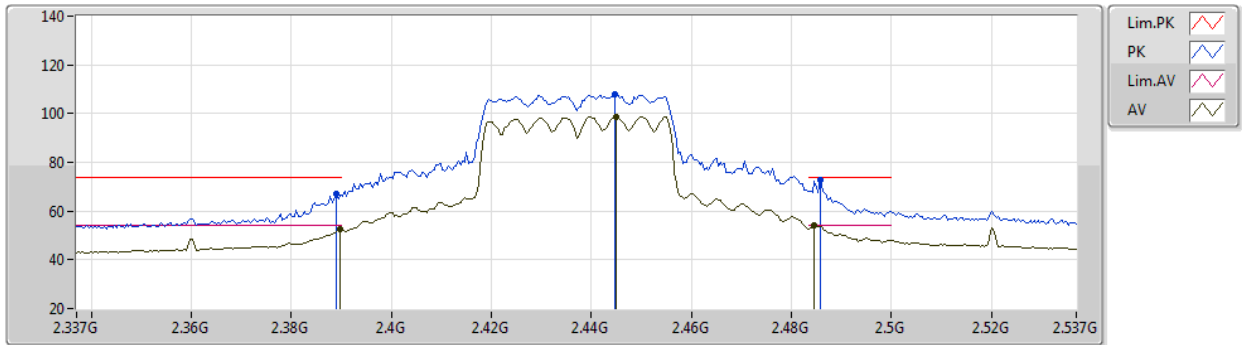
EUT Y_4TX
Setting 60
01-F-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.84202G	44.79	74.00	-29.21	41.96	3	Horizontal	19	1.80	-	32.35	5.02	34.54
AV	4.8391G	32.56	54.00	-21.44	29.75	3	Horizontal	19	1.80	-	32.33	5.02	34.54

VHT40_Nss1,(MCS0)_4TX

04/03/2021

2437MHz_TX



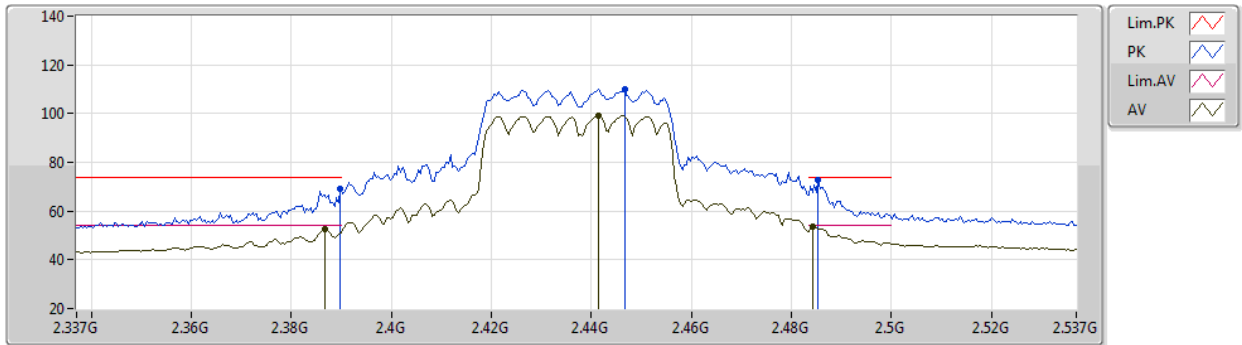
EUT_Y_4TX
Setting 70
01-F-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.389G	66.83	74.00	-7.17	37.26	3	Vertical	77	2.50	-	27.38	2.19	-
AV	2.3898G	52.64	54.00	-1.36	23.07	3	Vertical	77	2.50	-	27.38	2.19	-
PK	2.4446G	107.68	Inf	-Inf	77.95	3	Vertical	77	2.50	-	27.49	2.24	-
AV	2.445G	98.66	Inf	-Inf	68.92	3	Vertical	77	2.50	-	27.49	2.25	-
PK	2.4858G	72.56	74.00	-1.44	42.56	3	Vertical	77	2.50	-	27.71	2.29	-
AV	2.4846G	53.94	54.00	-0.06	23.95	3	Vertical	77	2.50	-	27.71	2.28	-

VHT40_Nss1,(MCS0)_4TX

04/03/2021

2437MHz_TX



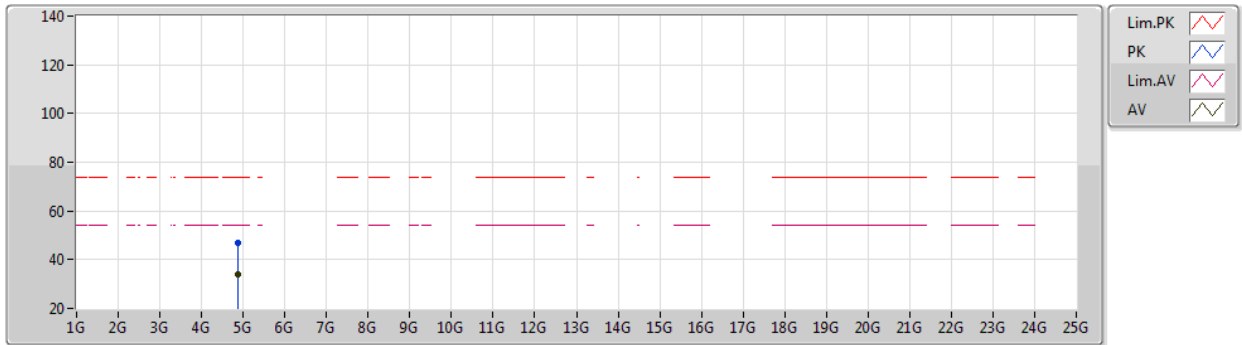
EUT Y_4TX
Setting 70
01-F-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	68.95	74.00	-5.05	39.38	3	Horizontal	106	1.72	-	27.38	2.19	-
AV	2.3866G	52.39	54.00	-1.61	22.83	3	Horizontal	106	1.72	-	27.37	2.19	-
PK	2.4466G	109.99	Inf	-Inf	80.25	3	Horizontal	106	1.72	-	27.49	2.25	-
AV	2.4414G	99.31	Inf	-Inf	69.59	3	Horizontal	106	1.72	-	27.48	2.24	-
PK	2.4854G	72.54	74.00	-1.46	42.54	3	Horizontal	106	1.72	-	27.71	2.29	-
AV	2.4842G	53.59	54.00	-0.41	23.60	3	Horizontal	106	1.72	-	27.71	2.28	-

VHT40_Nss1,(MCS0)_4TX

04/03/2021

2437MHz_TX



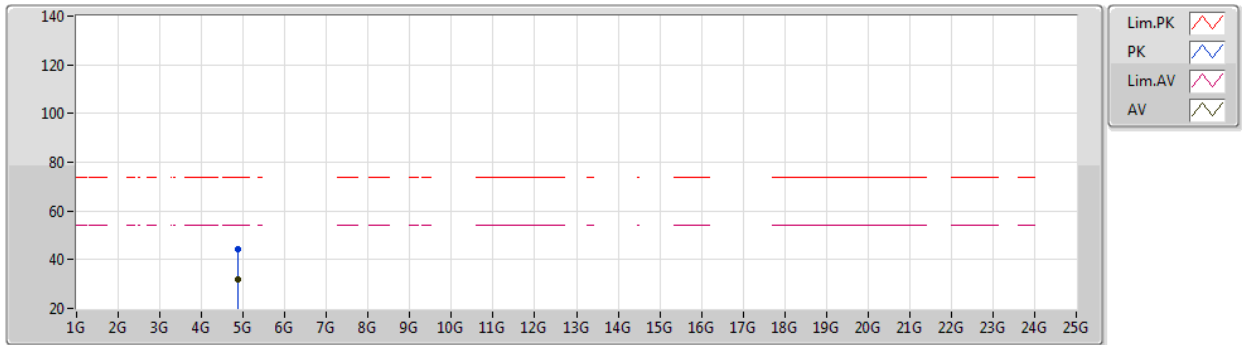
EUT_V_4TX
Setting 70
01-F-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87358G	46.96	74.00	-27.04	44.00	3	Vertical	101	1.79	-	32.45	5.04	34.53
AV	4.87368G	33.88	54.00	-20.12	30.92	3	Vertical	101	1.79	-	32.45	5.04	34.53

VHT40_Nss1,(MCS0)_4TX

04/03/2021

2437MHz_TX



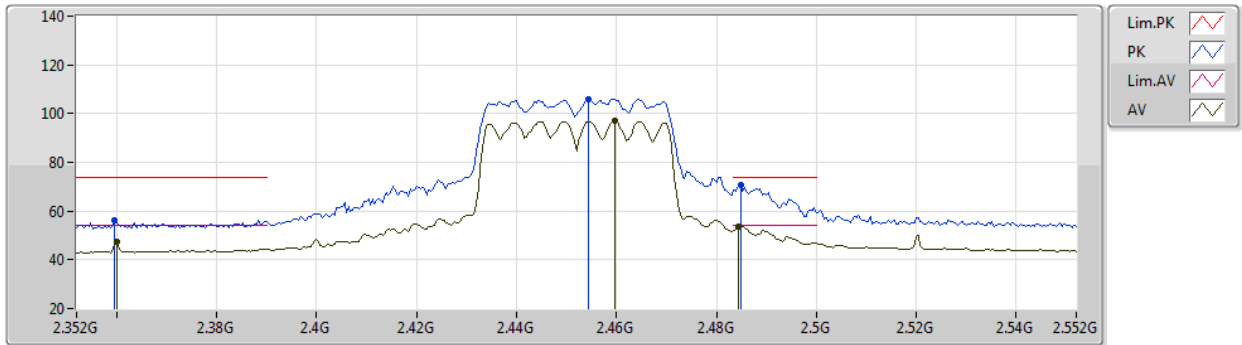
EUT_V_4TX
Setting 70
01-F-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.86936G	44.06	74.00	-29.94	41.12	3	Horizontal	220	1.64	-	32.44	5.03	34.53
AV	4.87338G	31.85	54.00	-22.15	28.89	3	Horizontal	220	1.64	-	32.45	5.04	34.53

VHT40_Nss1,(MCS0)_4TX

04/03/2021

2452MHz_TX



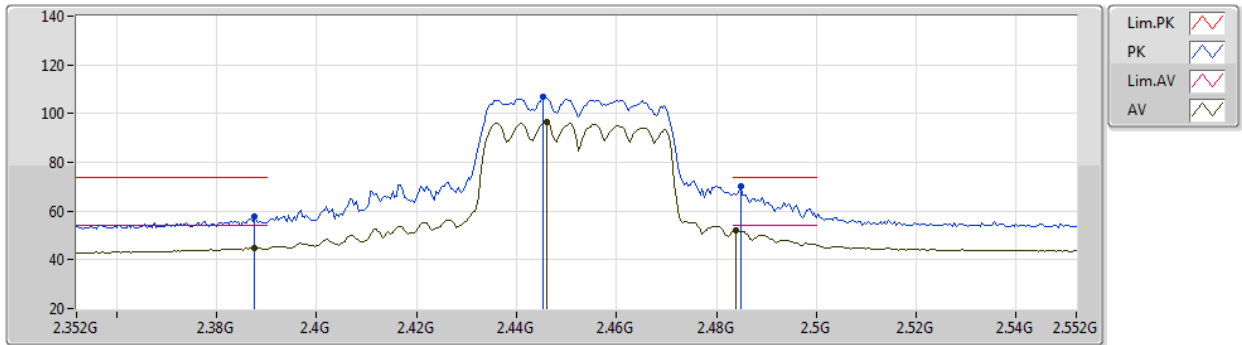
EUT Y_4TX
Setting 60
01-F-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3596G	56.45	74.00	-17.55	26.97	3	Vertical	76	3.00	-	27.32	2.16	-
AV	2.36G	47.36	54.00	-6.64	17.88	3	Vertical	76	3.00	-	27.32	2.16	-
PK	2.4544G	105.75	Inf	-Inf	75.97	3	Vertical	76	3.00	-	27.53	2.25	-
AV	2.4596G	96.93	Inf	-Inf	67.11	3	Vertical	76	3.00	-	27.56	2.26	-
PK	2.4848G	70.54	74.00	-3.46	40.55	3	Vertical	76	3.00	-	27.71	2.28	-
AV	2.4844G	53.75	54.00	-0.25	23.76	3	Vertical	76	3.00	-	27.71	2.28	-

VHT40_Nss1,(MCS0)_4TX

04/03/2021

2452MHz_TX



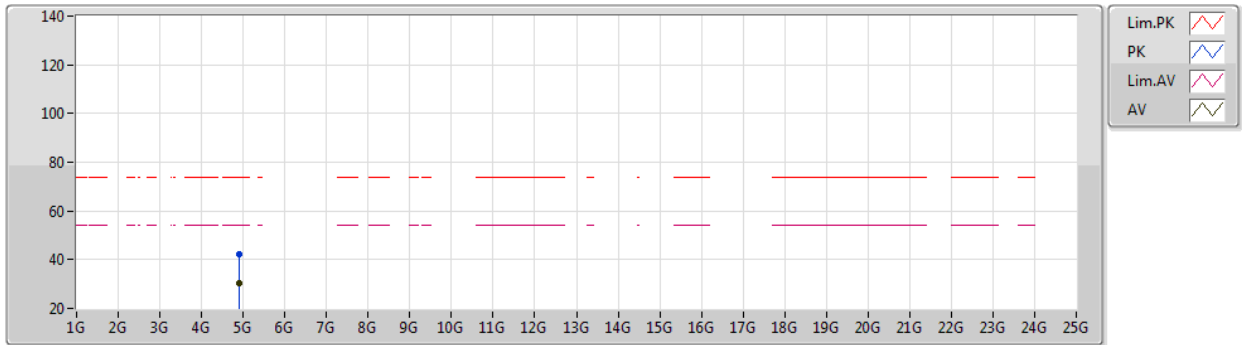
EUT Y_4TX
Setting 60
01-F-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3876G	57.61	74.00	-16.39	28.04	3	Horizontal	107	2.00	-	27.38	2.19	-
AV	2.3876G	45.01	54.00	-8.99	15.44	3	Horizontal	107	2.00	-	27.38	2.19	-
PK	2.4452G	106.67	Inf	-Inf	76.93	3	Horizontal	107	2.00	-	27.49	2.25	-
AV	2.446G	96.51	Inf	-Inf	66.77	3	Horizontal	107	2.00	-	27.49	2.25	-
PK	2.4848G	70.28	74.00	-3.72	40.29	3	Horizontal	107	2.00	-	27.71	2.28	-
AV	2.484G	52.02	54.00	-1.98	22.04	3	Horizontal	107	2.00	-	27.70	2.28	-

VHT40_Nss1,(MCS0)_4TX

04/03/2021

2452MHz_TX



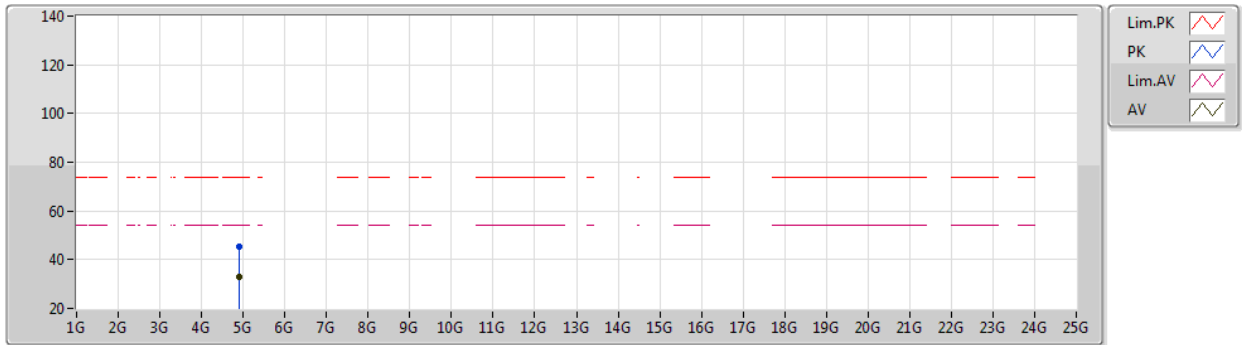
EUT_V_4TX
Setting 60
01-F-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.90706G	42.28	74.00	-31.72	39.20	3	Vertical	117	2.85	-	32.54	5.05	34.51
AV	4.90426G	30.33	54.00	-23.67	27.26	3	Vertical	117	2.85	-	32.53	5.05	34.51

VHT40_Nss1,(MCS0)_4TX

04/03/2021

2452MHz_TX



EUT_V_4TX
Setting 60
01-F-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.89926G	45.31	74.00	-28.69	42.27	3	Horizontal	344	2.61	-	32.50	5.05	34.51
AV	4.90478G	32.68	54.00	-21.32	29.61	3	Horizontal	344	2.61	-	32.53	5.05	34.51

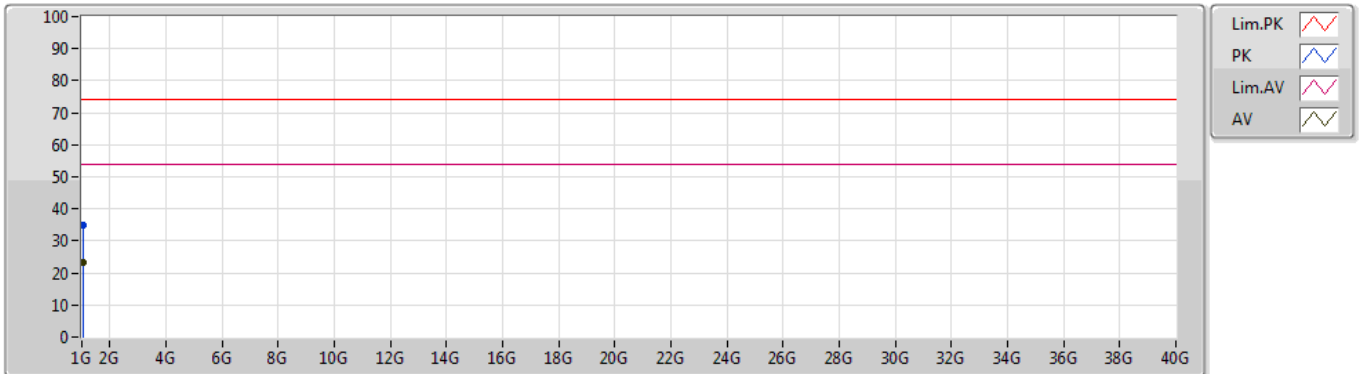


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	1.06248G	23.41	54.00	-30.59	Vertical

Mode 1

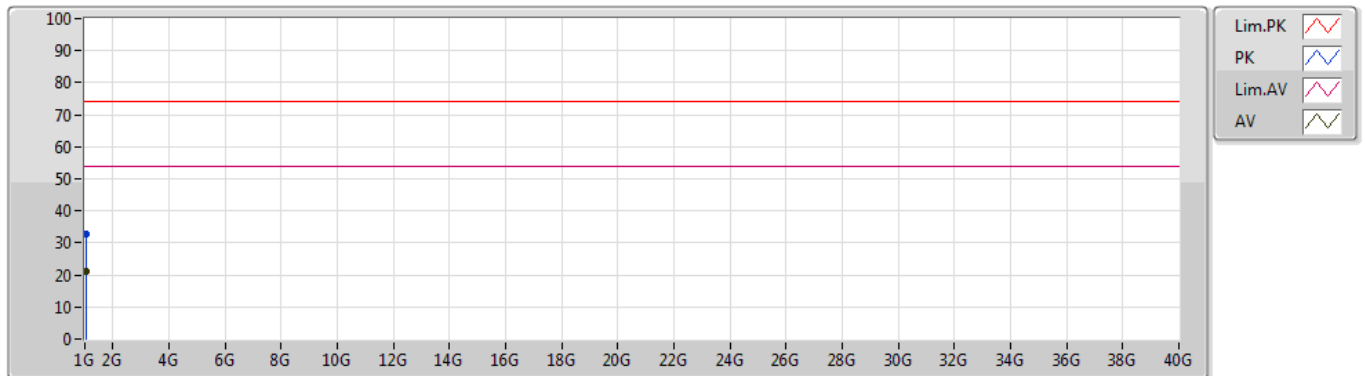
25/03/2021



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	1.06252G	35.08	74.00	-38.92	-9.45	3	Vertical	39	1.02	-	44.53	24.50	2.59	36.54
AV	1.06248G	23.41	54.00	-30.59	-9.45	3	Vertical	39	1.02	"Worst"	32.86	24.50	2.59	36.54

Mode 1

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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	1.0622G	32.97	74.00	-41.03	-9.45	3	Horizontal	258	1.23	-	42.42	24.50	2.59	36.54
AV	1.06218G	21.33	54.00	-32.67	-9.45	3	Horizontal	258	1.23	"Worst"	30.78	24.50	2.59	36.54