Testing Laboratory 3787

RADIO TEST REPORT

FCC ID	:	TLZ-CU442
Equipment	:	IEEE 802.11 b/g/n 1T1R WLAN and Bluetooth Low Energy Microcontroller Module
Brand Name	:	AzureWave
Model Name	:	AW-CU442, AW-CU442-B1
Applicant	:	AzureWave Technologies, Inc. 8F., No.94, Baozhong Rd. , Xindian Dist., New Taipei City , Taiwan 231
Standard	:	47 CFR FCC Part 15.247

The product was received on Oct. 27, 2022, and testing was started from Nov. 08, 2022 and completed on Nov. 18, 2022. 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 variant 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

Report No.	Version	Description	Issued Date
FR061820-01AA	01	Initial issue of report	Dec. 16, 2022

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(b)	Maximum Conducted Output Power	PASS	-
3.3	15.247(d)	Emissions in Restricted Frequency Bands	PASS	-

Declaration of Conformity:

1. The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers. It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results.
2. The measurement uncertainty please refer to report "Measurement Uncertainty".

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: Vicky 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)	2412-2462	1-11 [11]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	1TX
2.4-2.4835GHz	802.11g	20	1TX
2.4-2.4835GHz	802.11n HT20	20	1TX

Note:
- 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- 11g, HT20 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Port	Brand	Part No.	Antenna Type	Connector	Gain (dBi)
1	1	molex	2042811100	Dipole Antenna	N/A	2.0
2	1	TE	1-2344656-1	Dipole Antenna	N/A	1.76

Note1: The above information was declared by manufacturer.
Note2: Ant. 1~2 are the same type antenna. Only the highest gain Ant. 1 antenna was selected to test and record in this report.

For 2.4GHz function:

For IEEE 802.11b/g/n mode (1TX/1RX):

Only Port 1 can be use as transmit and receive antenna.

For BT function:

For BT mode (1TX/1RX):

Only Port 1 can be use as transmit and receive antenna.

1.1.3 Mode Test Duty Cycle

Mode	DC	T(s)	VBW(Hz) ≥ 1/T
802.11b	1	0	n/a (DC>=0.98)
802.11n HT20	1	0	n/a (DC>=0.98)

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

1.1.4 EUT Operational Condition

EUT Power Type	From host system			
Beamforming Function	☐	With beamforming	☒	Without beamforming
Function	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	AmebaD_mptool_2V0			

Note: The above information was declared by manufacturer.

1.1.5 Table for EUT Sources

This product is a transformer that has the following two Sources:

EUT	Source	Description
1	Main Source	Which are identical to each other in all aspects except Y1, L1, C27, C36, C37, C40, C41, C42.
2	Second Source	

1.1.6 Table for Multiple Listing

The EUT has two model names which are identical to each other in all aspects except for the following table:

Model Name	Description
AW-CU442	All the models are identical, the difference model served as marketing strategy.
AW-CU442-B1	

Note 1: From the above models, model: AW-CU442-B1 was selected as representative model for the test and its data was recorded in this report.

Note 2: The above information was declared by manufacturer.

1.1.7 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR061820AA

Below is the table for the change of the product with respect to the original one.

Modifications	Performance Checking
1. Add a new model name AW-CU442-B1.	It is not necessary to perform for all tests.
2. Add two Dipole antennas.	1. AC Power-line Conducted Emissions 2. Emissions in Restricted Frequency Bands 3. Maximum Conducted Output Power for below channels only, and it is max power channel of original test report. (Note): a. 802.11b (2462MHz) b. 802.11n HT20 (2462MHz)

Note:

Configuration 802.11b (2462MHz) and 802.11n HT20 (2462MHz) power reduced due to limitation of Emissions in Restricted Frequency Bands, so the Maximum Conducted Output Power Measurement were retested.

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 15.247
- 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 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 ISED.

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH02-CB	Mason Chan	22.9~23.6 / 56~59	Nov. 08, 2022~ Nov. 09, 2022
Radiated (Below 1GHz	03CH05-CB	Black Lu	22.7~24.7 / 56~60	Nov. 09, 2022
Radiated (Above 1GHz	03CH01-CB	Chris Lee	24.2-25.3 / 56-59	Nov. 08, 2022~ Nov. 09, 2022
AC Conduction	CO01-CB	Tim Chen	24~25 / 58~59	Nov. 18, 2022

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)	3.4 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	5.2 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.7 dB	Confidence levels of 95%
Conducted Emission	3.2 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11b_Nss1,(1Mbps)_1TX	-
2462MHz	115
802.11n HT20_Nss1,(MCS0)_1TX	-
2462MHz	99

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	Normal Link
1	Normal Link-EUT 1+Ant. 1
2	Normal Link-EUT 2+Ant. 1
For operating mode 2 is the worst case and it was record in this test report.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Maximum Conducted Output Power
Test Condition	Conducted measurement at transmit chains
The EUT has two sources, after evaluating, EUT 1 has been evaluated to be the worst case, so it was selected to test and record in this test report.	
1	EUT 1-802.11b (2462MHz) and 802.11n HT20 (2462MHz) only+Ant. 1

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	Normal Link
1	Normal Link-EUT 1 at Z-axis+Ant. 1
2	Normal Link-EUT 1 at Y-axis+Ant. 1
Mode 1 has been evaluated to be the worst case between Mode 1~2, thus measurement for Mode 3 will follow this same test mode.	
3	Normal Link-EUT 2 at Z-axis+Ant. 1
For operating mode 1 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
1. The EUT was performed at X axis, Y axis and Z axis position test, and the worst case was found at Y axis. So the measurement will follow this same test configuration. 2. The EUT has two sources, after evaluating, EUT 1 has been evaluated to be the worst case, so it was selected to test and record in this test report.	
1	EUT 1 at Y-axis+Ant. 1

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link Mode:

During the test, the EUT operation to normal function.

2.4 Accessories

N/A

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Fixture	Azurewave	AW-CU462-I1	N/A
B	NB	DELL	E6430	N/A
C	Earphone	e-Power	S90W	N/A
D	Mouse	HP	FM100	N/A
E	AP Router	ASUS	RP-N53	MSQ-RPN53
F	Smart phone	Samsung	Galaxy J2	A3LSMJ200F

For Radiated (below 1GHz):

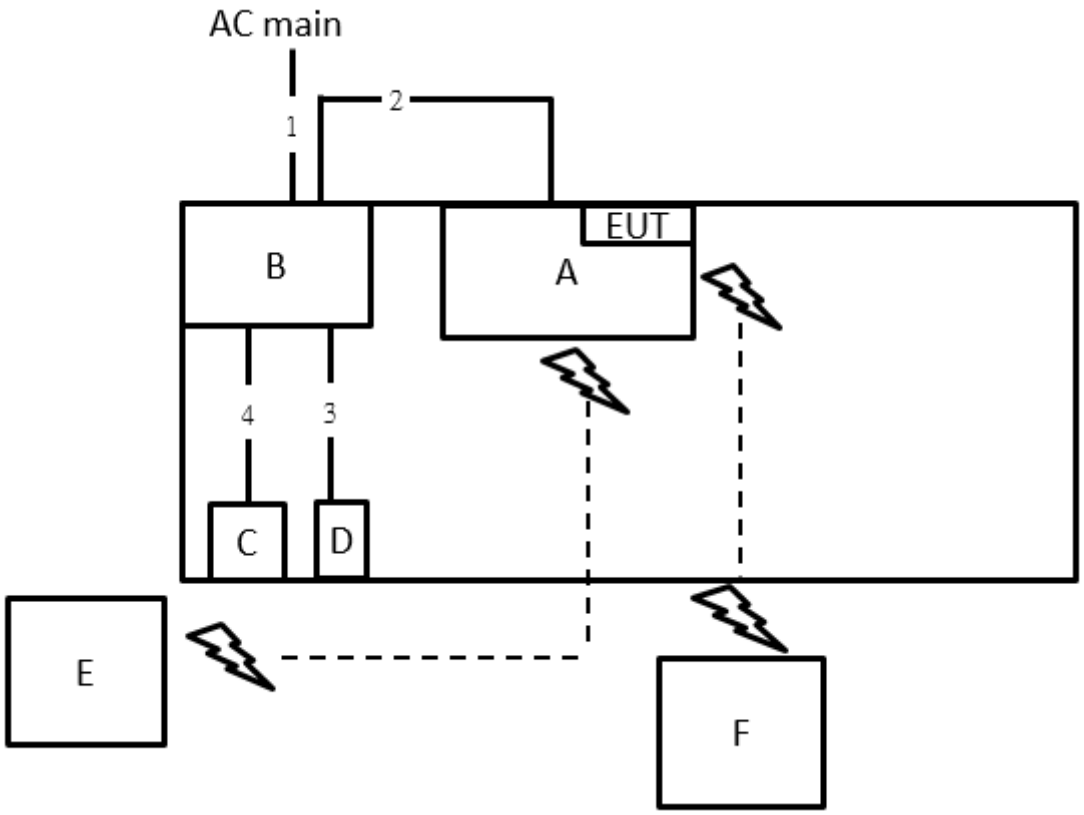
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Fixture	Azurewave	AW-CU462-I1	N/A
B	NB	DELL	E4300	N/A
C	WLAN AP	D-LINK	DIR860L	KA2IR860LA1
D	iPhone 4	Apple	A1332	BCG-E2380a
E	Earphone	SHYARO CHI	MIC-04	N/A
F	Mouse	Logitech	M-U0026	N/A
G	NB(WLAN AP)	DELL	E4300	N/A

For Radiated (above 1GHz) and RF Conducted:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A
B	Fixture	Azurewave	AW-CU462-I1	N/A

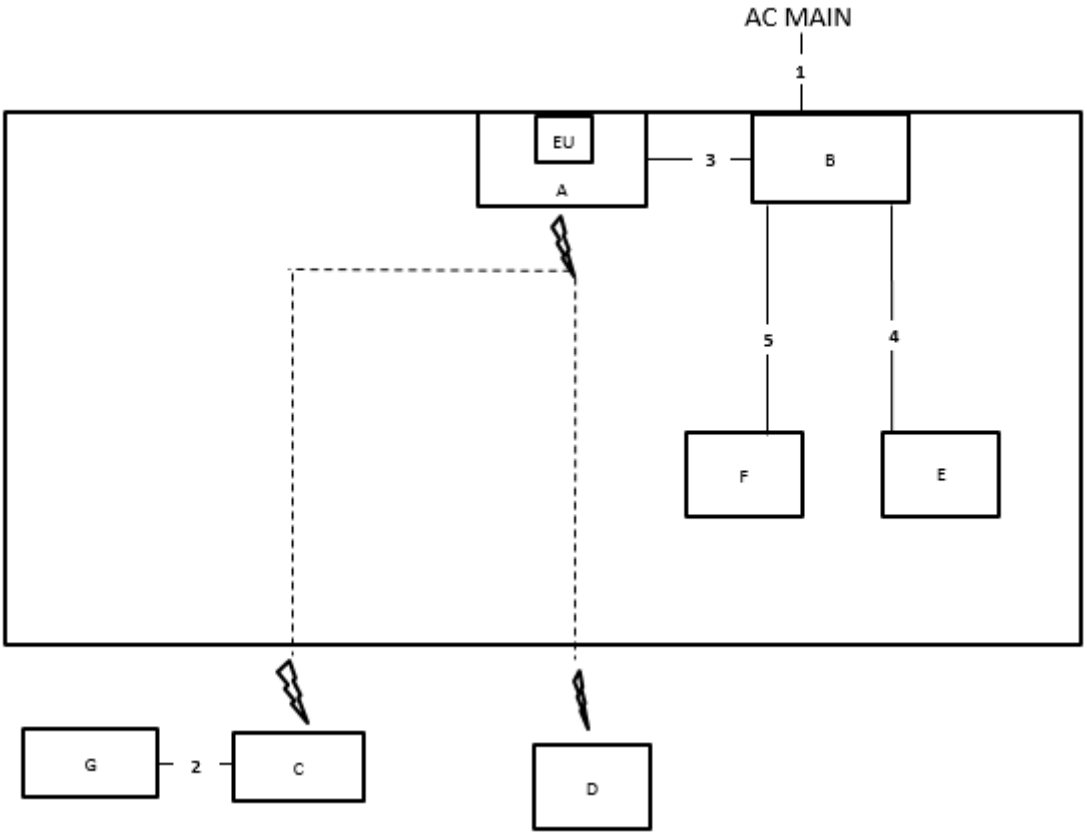
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



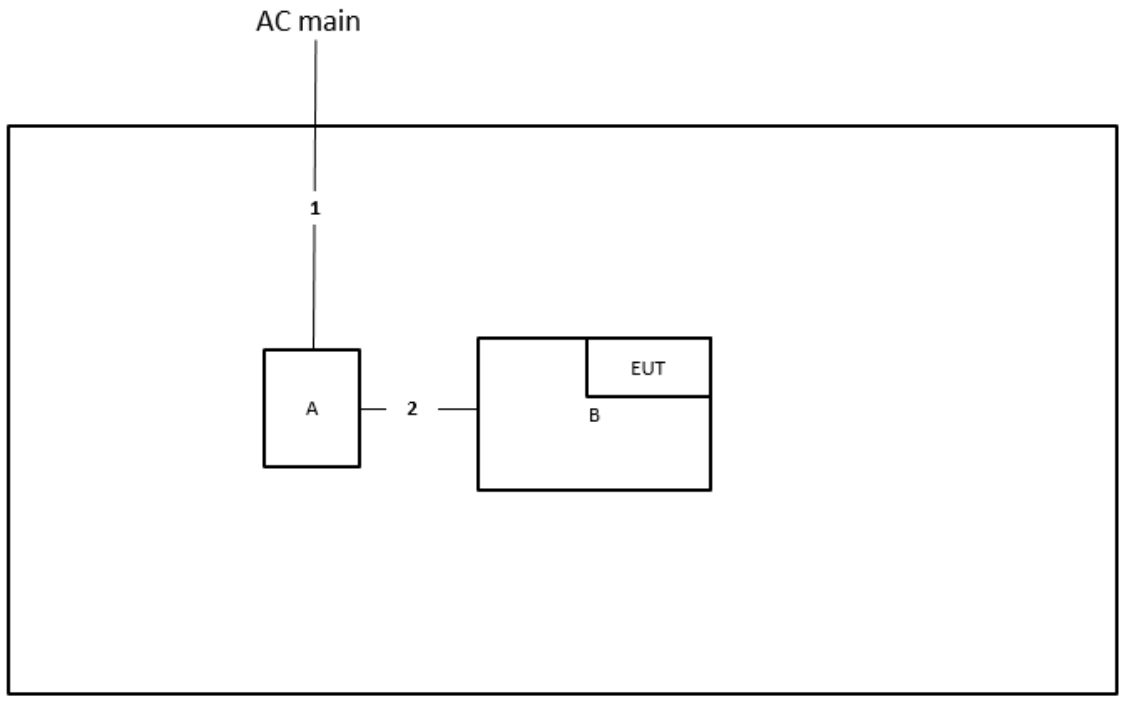
Item	Connection	Shielded	Length
1	Power cable	No	2.6m
2	USB cable	Yes	1.5m
3	USB cable	Yes	1.5m
4	Audio cable	No	1.5m

Test Setup Diagram - Radiated Test < 1GHz



Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	10m
3	USB cable	Yes	0.5m
4	Audio cable	No	0.5m
5	USB cable	Yes	0.5m

Test Setup Diagram - Radiated Test > 1GHz



Item	Connection	Shielded	Length
1	Power cable	No	2.6m
2	USB cable	Yes	0.95m

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

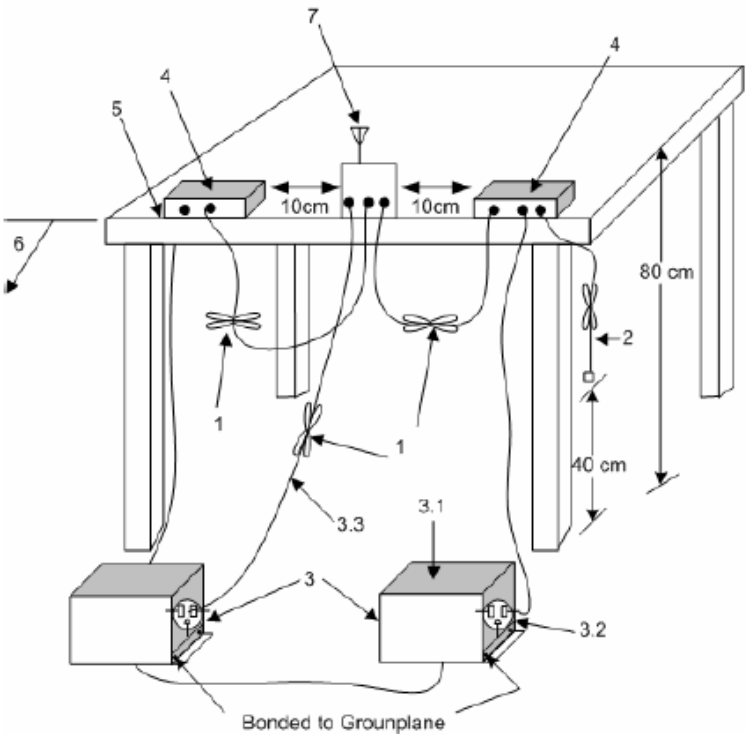
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

AC Power-line Conducted Emissions



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

3.1.5 Measurement Results Calculation

The measured Level is calculated using:

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

b. Margin = -Limit + Level

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Maximum Conducted Output Power

3.2.1 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.	

3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
▪ Maximum Peak Conducted Output Power	
	☐ Refer as FCC KDB 558074, clause 8.3.1.1 & C63.10 clause 11.9.1.1 (RBW ≥ EBW method).
	☐ Refer as FCC KDB 558074, clause 8.3.1.3 & C63.10 clause 11.9.1.3 (peak power meter).
▪ Maximum Conducted Output Power	
	[duty cycle ≥ 98% or external video / power trigger]
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.2 Method AVGSA-1.
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.3 Method AVGSA-1A. (alternative)
	duty cycle < 98% and average over on/off periods with duty factor
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.4 Method AVGSA-2.
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.5 Method AVGSA-2A (alternative)
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.6 Method AVGSA-3
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.7 Method AVGSA-3A (alternative)
	Measurement using a power meter (PM)
	☐ Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.1 Method AVGPM (using an RF average power meter).
	☒ Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.2 Method AVGPM-G (using an gate RF average power meter).

▪ For conducted measurement.	
	▪ If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.2.4 Test Setup

Maximum Conducted Output Power (Power Meter)


3.2.5 Test Result of Maximum Conducted Output Power

Refer as Appendix B

3.3 Emissions in Restricted Frequency Bands

3.3.1 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.

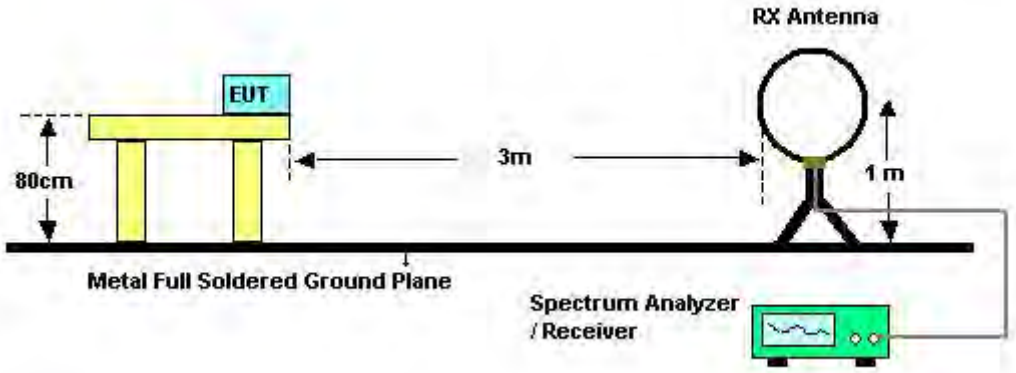
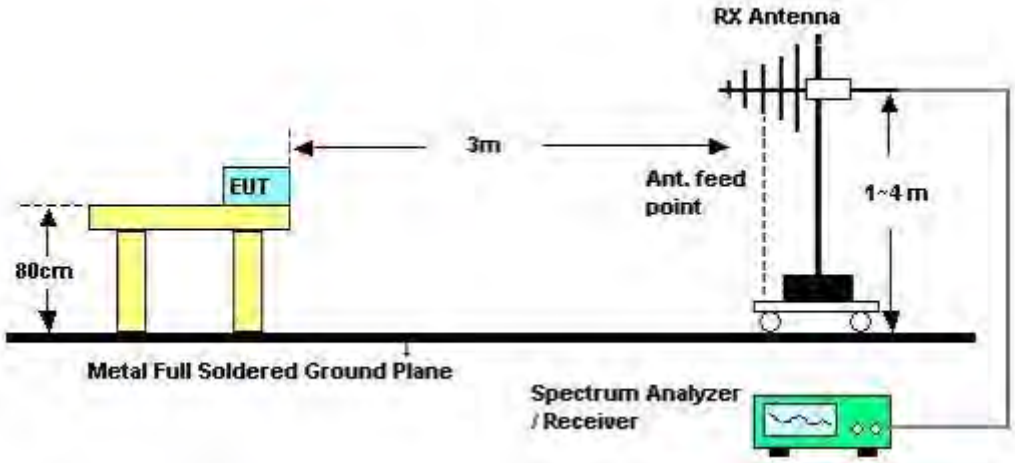
3.3.2 Measuring Instruments

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

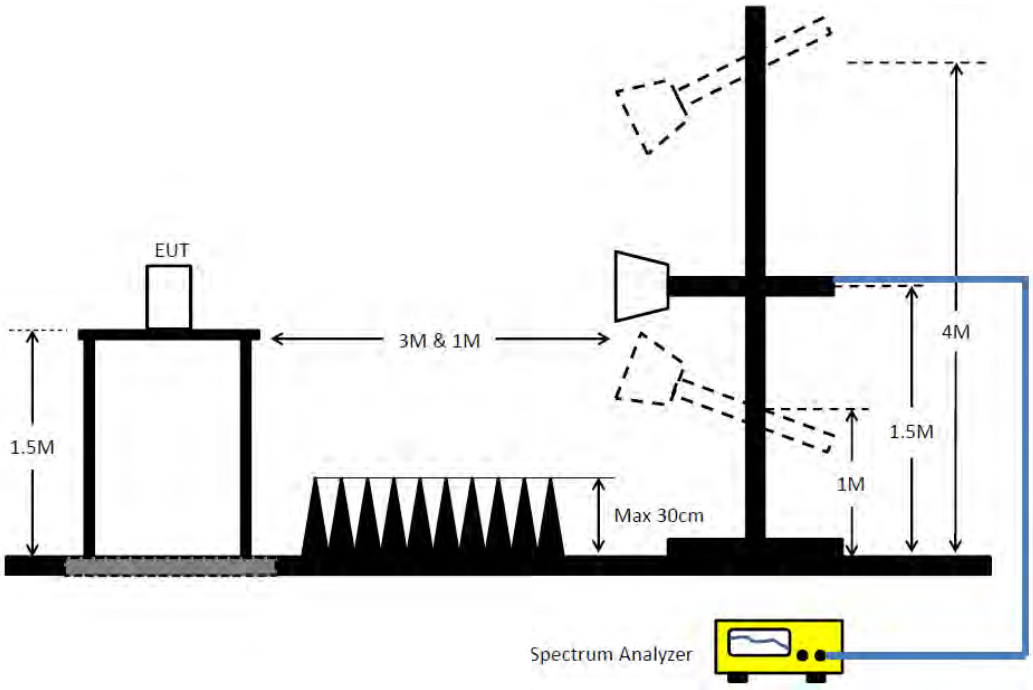
3.3.3 Test Procedures

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

3.3.4 Test Setup

Radiated - Emissions in Restricted Frequency Bands
9kHz ~30MHz

30MHz~1GHz


Above 1GHz



3.3.5 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.

3.3.6 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.

3.3.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix C

4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Feb. 22, 2022	Feb. 21, 2023	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 09, 2022	Feb. 08, 2023	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 12, 2022	Apr. 11, 2023	Conduction (CO01-CB)
Pulse Limiter	Rohde& Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 10, 2022	Feb. 09, 2023	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	Oct. 18, 2022	Oct. 17, 2023	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 03, 2022	Aug. 02, 2023	Radiation (03CH05-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	May 14, 2022	May 13, 2023	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 25, 2022	Mar. 24, 2023	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	Apr. 26, 2022	Apr. 25, 2023	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Mar. 14, 2022	Mar. 13, 2023	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 17, 2022	Jun. 16, 2023	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 03, 2022	Oct. 02, 2023	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 06, 2022	May 05, 2023	Radiation (03CH01-CB)
Horn Antenna	SCHWARZBEAK	BBHA9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 19, 2022	May 18, 2023	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 20, 2022	Jul. 19, 2023	Radiation (03CH01-CB)
Pre-Amplifier	EM	EM18G40GA	060874	18GHz ~ 40GHz	Aug. 23 2022	Aug. 22 2023	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	May 06, 2022	May 05, 2023	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH01-CB)

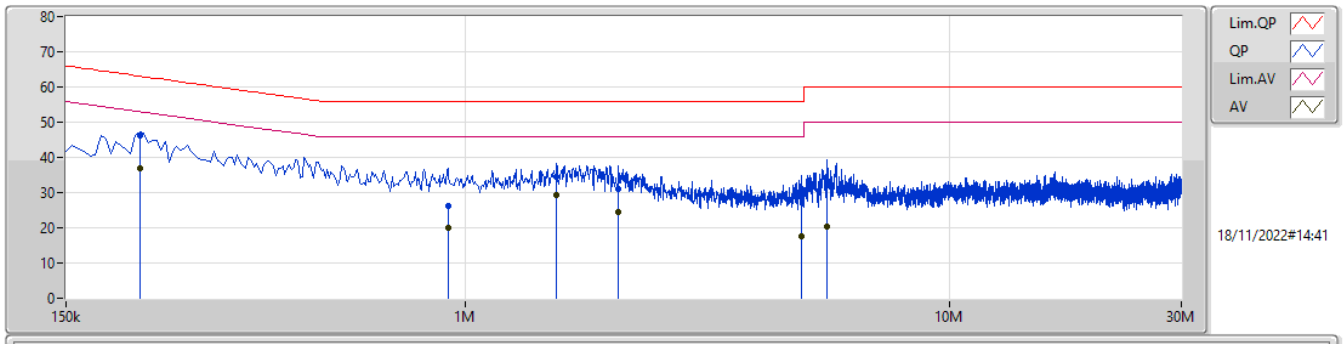
Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	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	Aug. 15, 2022	Aug. 14, 2023	Conducted (TH02-CB)
Power Sensor	Anritsu	MA2411B	1126203	300MHz~40GHz	Oct. 17, 2022	Oct. 16, 2023	Conducted (TH02-CB)
Power Meter	Anritsu	ML2495A	1210004	300MHz~40GHz	Oct. 17, 2022	Oct. 16, 2023	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-03	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-04	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-05	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH02-CB)
Switch	SPTCB	SP-SWI	SWI-02	1 GHz –26.5 GHz	Oct. 04, 2022	Oct. 03, 2023	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.
NCR means Non-Calibration required.

Summary

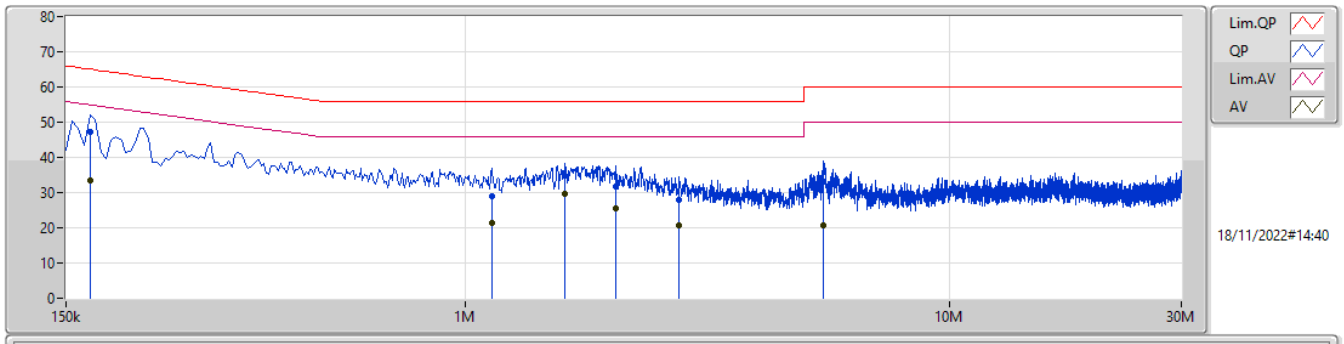
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 2	Pass	AV	213k	36.89	53.09	-16.20	Line

Mode 2



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	213k	46.07	63.09	-17.02	9.99	Line	-	36.08	0.06	0.04	9.89
AV	213k	36.89	53.09	-16.20	9.99	Line	"Worst"	26.90	0.06	0.04	9.89
QP	919.5k	26.23	56.00	-29.77	10.00	Line	-	16.23	0.07	0.04	9.89
AV	919.5k	19.86	46.00	-26.14	10.00	Line	-	9.86	0.07	0.04	9.89
QP	1.541M	34.39	56.00	-21.61	10.04	Line	-	24.35	0.08	0.07	9.89
AV	1.541M	29.39	46.00	-16.61	10.04	Line	-	19.35	0.08	0.07	9.89
QP	2.067M	30.99	56.00	-25.01	10.07	Line	-	20.92	0.09	0.09	9.89
AV	2.067M	24.54	46.00	-21.46	10.07	Line	-	14.47	0.09	0.09	9.89
QP	4.947M	28.73	56.00	-27.27	10.14	Line	-	18.59	0.14	0.11	9.89
AV	4.947M	17.55	46.00	-28.45	10.14	Line	-	7.41	0.14	0.11	9.89
QP	5.577M	32.19	60.00	-27.81	10.18	Line	-	22.01	0.16	0.12	9.90
AV	5.577M	20.33	50.00	-29.67	10.18	Line	-	10.15	0.16	0.12	9.90

Mode 2



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	168k	47.13	65.06	-17.93	10.00	Neutral	-	37.13	0.07	0.04	9.89
AV	168k	33.42	55.06	-21.64	10.00	Neutral	-	23.42	0.07	0.04	9.89
QP	1.136M	28.88	56.00	-27.12	10.02	Neutral	-	18.86	0.08	0.05	9.89
AV	1.136M	21.37	46.00	-24.63	10.02	Neutral	-	11.35	0.08	0.05	9.89
QP	1.608M	34.78	56.00	-21.22	10.05	Neutral	-	24.73	0.09	0.07	9.89
AV	1.608M	29.59	46.00	-16.41	10.05	Neutral	"Worst"	19.54	0.09	0.07	9.89
QP	2.045M	31.59	56.00	-24.41	10.08	Neutral	-	21.51	0.10	0.09	9.89
AV	2.045M	25.53	46.00	-20.47	10.08	Neutral	-	15.45	0.10	0.09	9.89
QP	2.756M	28.02	56.00	-27.98	10.09	Neutral	-	17.93	0.11	0.09	9.89
AV	2.756M	20.57	46.00	-25.43	10.09	Neutral	-	10.48	0.11	0.09	9.89
QP	5.492M	33.18	60.00	-26.82	10.19	Neutral	-	22.99	0.17	0.12	9.90
AV	5.492M	20.78	50.00	-29.22	10.19	Neutral	-	10.59	0.17	0.12	9.90

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	21.69	0.14757
802.11n HT20_Nss1,(MCS0)_1TX	18.14	0.06516

Result

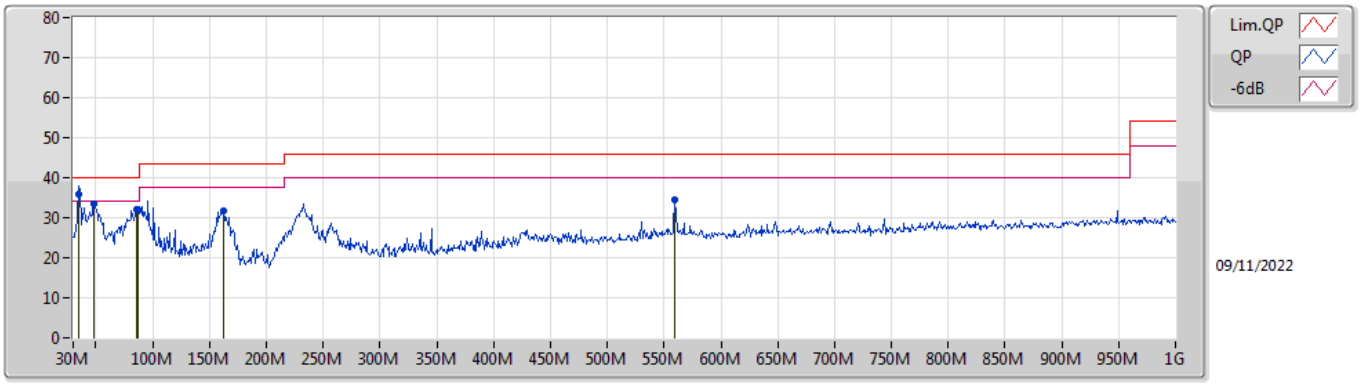
Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2462MHz	Pass	2.00	21.69	21.69	30.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2462MHz	Pass	2.00	18.14	18.14	30.00

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

Summary

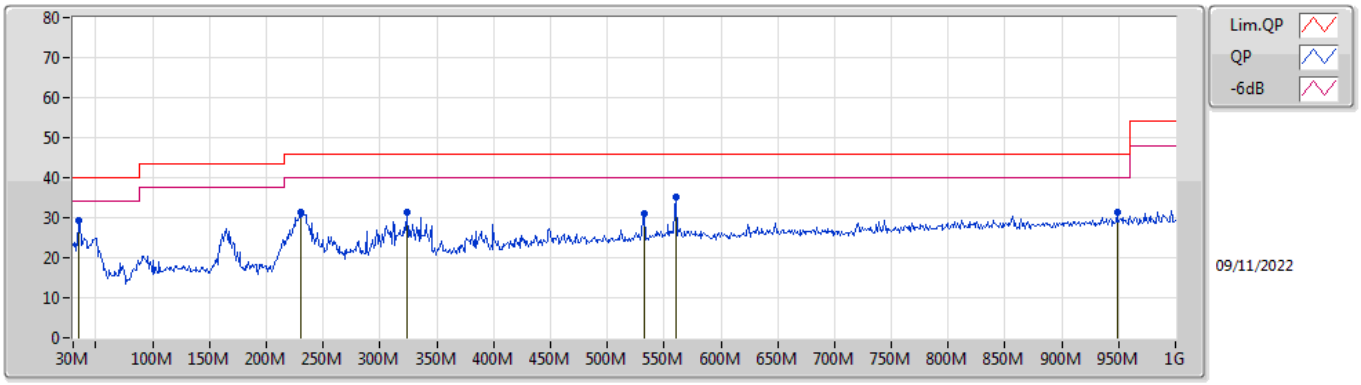
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	QP	34.85M	35.93	40.00	-4.07	Vertical

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
QP	34.85M	35.93	40.00	-4.07	-9.67	3	Vertical	65	1.25	"Worst"	45.60	21.51	0.51	31.69
PK	48.43M	33.49	40.00	-6.51	-16.61	3	Vertical	197	1.00	-	50.10	14.59	0.65	31.85
PK	86.26M	31.98	40.00	-8.02	-17.07	3	Vertical	95	1.25	-	49.05	13.89	0.99	31.95
PK	87.23M	31.95	40.00	-8.05	-16.93	3	Vertical	119	1.50	-	48.88	14.02	1.00	31.95
PK	162.89M	31.73	43.50	-11.77	-14.79	3	Vertical	176	1.00	-	46.52	15.66	1.53	31.98
PK	559.62M	34.48	46.00	-11.52	-4.83	3	Vertical	334	1.50	-	39.31	24.39	3.19	32.41

Mode 1



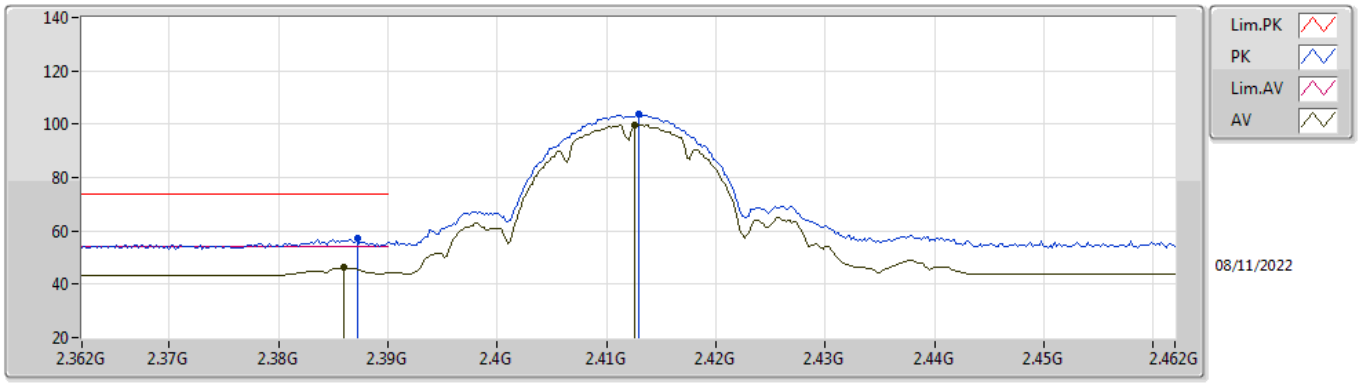
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	34.85M	29.47	40.00	-10.53	-9.67	3	Horizontal	146	1.50	"Worst"	39.14	21.51	0.51	31.69
PK	230.79M	31.30	46.00	-14.70	-14.14	3	Horizontal	210	1.50	-	45.44	15.97	1.90	32.01
PK	323.91M	31.21	46.00	-14.79	-10.20	3	Horizontal	78	1.50	-	41.41	19.59	2.35	32.14
PK	532.46M	31.08	46.00	-14.92	-5.85	3	Horizontal	204	2.00	-	36.93	23.44	3.10	32.39
PK	560.59M	35.29	46.00	-10.71	-4.84	3	Horizontal	0	2.00	-	40.13	24.37	3.20	32.41
PK	948.59M	31.35	46.00	-14.65	-1.70	3	Horizontal	74	1.00	-	33.05	26.46	4.32	32.48

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	-	-	-	-	-	-	-	-	-	-	-
802.11n HT20_Nss1,(MCS0)_1TX	Pass	PK	2.3898G	72.98	74.00	-1.02	3	Horizontal	181	2.60	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

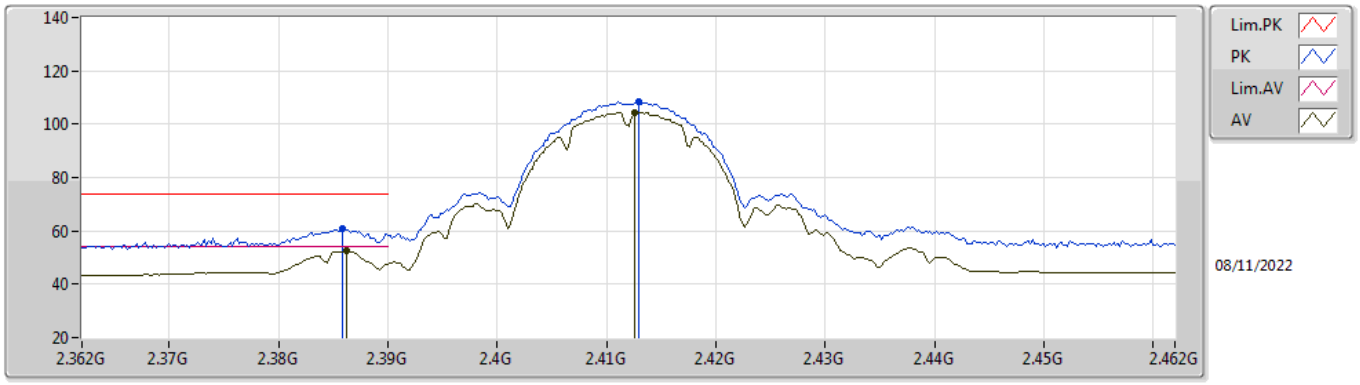


EUT Y_1TX
Setting 124
01-D-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3872G	57.01	74.00	-16.99	26.10	3	Vertical	202	1.83	-	27.32	3.59	-
AV	2.386G	46.21	54.00	-7.79	15.30	3	Vertical	202	1.83	-	27.32	3.59	-
PK	2.413G	103.75	Inf	-Inf	72.69	3	Vertical	202	1.83	-	27.45	3.61	-
AV	2.4126G	99.67	Inf	-Inf	68.61	3	Vertical	202	1.83	-	27.45	3.61	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

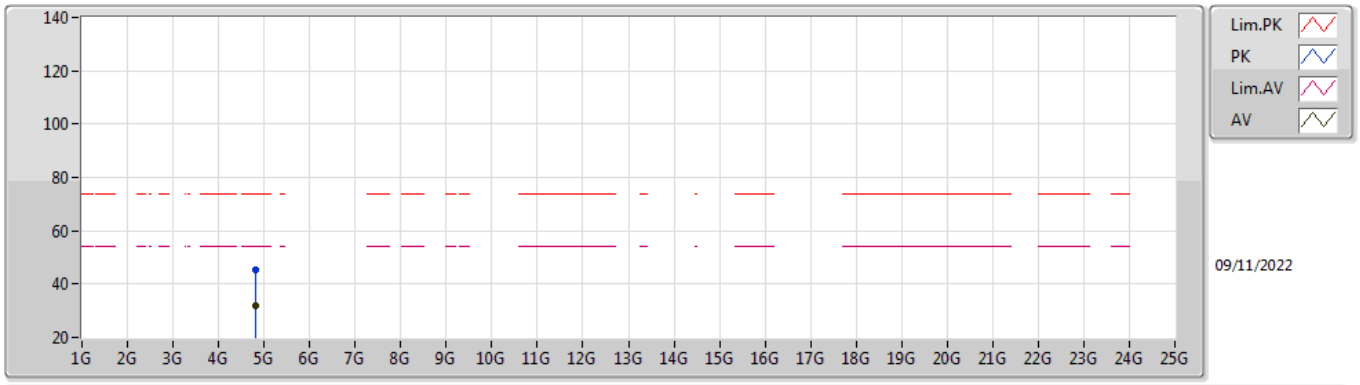


EUT Y_1TX
Setting 124
01-D-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3858G	60.64	74.00	-13.36	29.74	3	Horizontal	183	1.80	-	27.31	3.59	-
AV	2.3862G	52.65	54.00	-1.35	21.74	3	Horizontal	183	1.80	-	27.32	3.59	-
PK	2.413G	108.48	Inf	-Inf	77.42	3	Horizontal	183	1.80	-	27.45	3.61	-
AV	2.4126G	104.37	Inf	-Inf	73.31	3	Horizontal	183	1.80	-	27.45	3.61	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

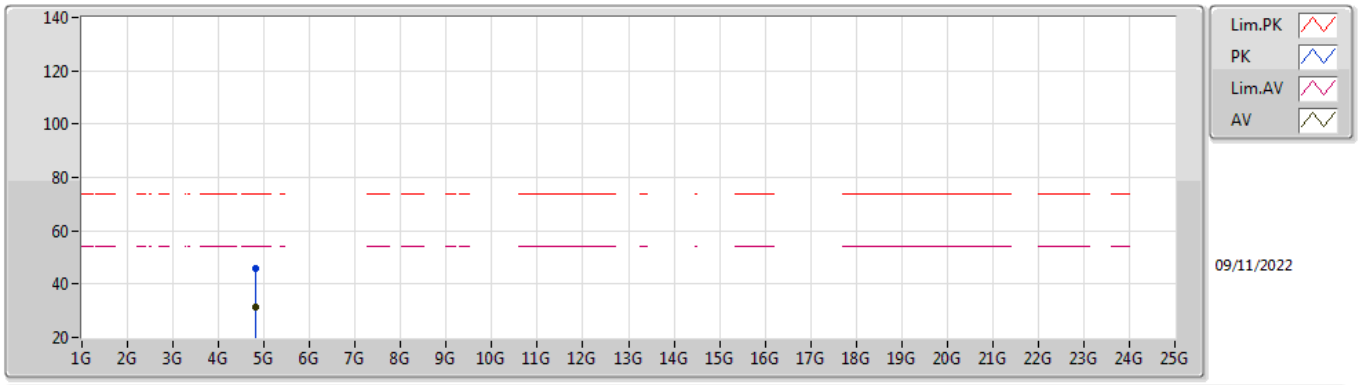


EUT Y_1TX
Setting 124
01-D-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82543G	45.34	74.00	-28.66	40.09	3	Vertical	283	1.05	-	32.40	5.73	32.88
AV	4.82625G	31.65	54.00	-22.35	26.39	3	Vertical	283	1.05	-	32.41	5.73	32.88

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

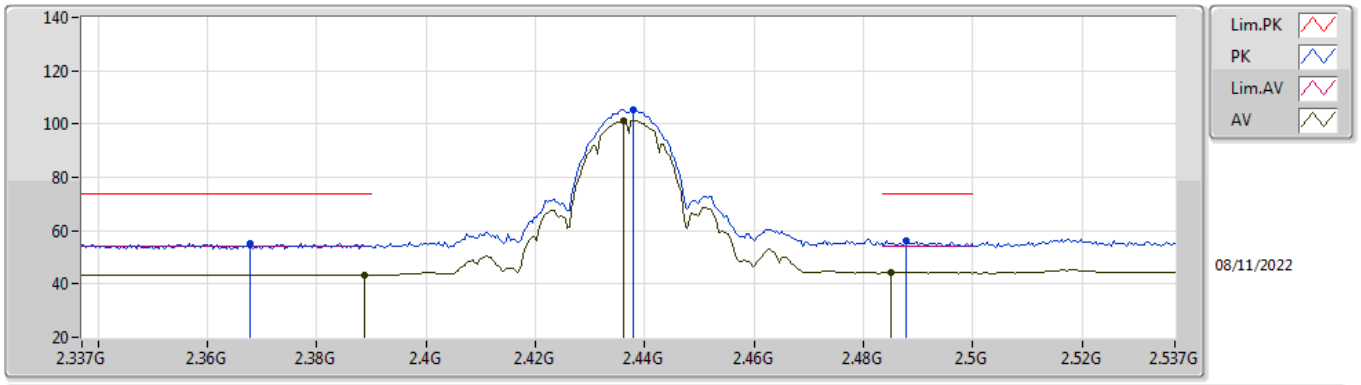


EUT Y_1TX
Setting 124
01-D-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82449G	45.89	74.00	-28.11	40.66	3	Horizontal	245	2.58	-	32.40	5.72	32.89
AV	4.8263G	31.60	54.00	-22.40	26.34	3	Horizontal	245	2.58	-	32.41	5.73	32.88

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

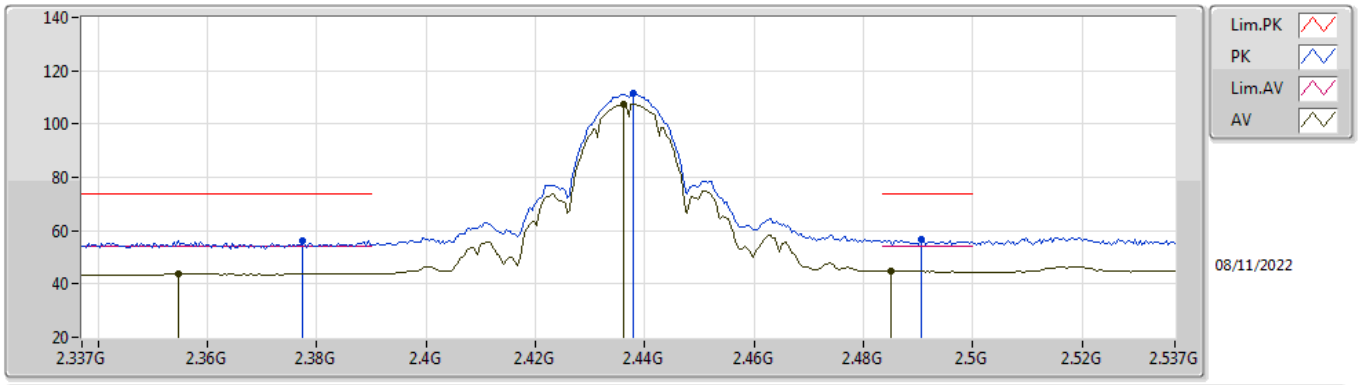


EUT Y_1TX
Setting 127
01-D-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3678G	55.22	74.00	-18.78	24.44	3	Vertical	202	3.00	-	27.21	3.57	-
AV	2.3886G	43.44	54.00	-10.56	12.52	3	Vertical	202	3.00	-	27.33	3.59	-
PK	2.4378G	105.36	Inf	-Inf	74.19	3	Vertical	202	3.00	-	27.55	3.62	-
AV	2.4362G	101.34	Inf	-Inf	70.18	3	Vertical	202	3.00	-	27.54	3.62	-
PK	2.4878G	56.17	74.00	-17.83	24.70	3	Vertical	202	3.00	-	27.83	3.64	-
AV	2.485G	44.20	54.00	-9.80	12.75	3	Vertical	202	3.00	-	27.81	3.64	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

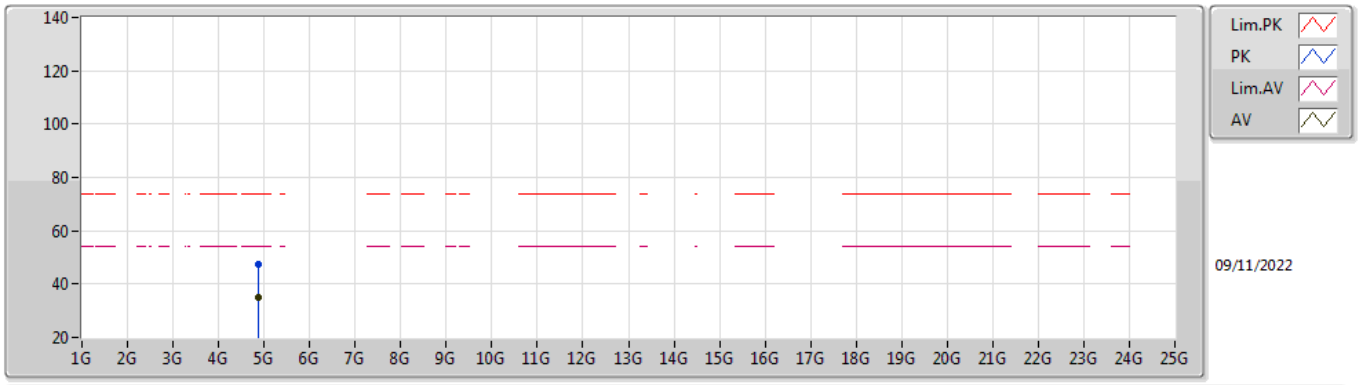


EUT Y_1TX
Setting 127
01-D-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3774G	56.32	74.00	-17.68	25.48	3	Horizontal	190	2.66	-	27.26	3.58	-
AV	2.3546G	43.99	54.00	-10.01	13.31	3	Horizontal	190	2.66	-	27.13	3.55	-
PK	2.4378G	111.40	Inf	-Inf	80.23	3	Horizontal	190	2.66	-	27.55	3.62	-
AV	2.4362G	107.41	Inf	-Inf	76.25	3	Horizontal	190	2.66	-	27.54	3.62	-
PK	2.4906G	56.89	74.00	-17.11	25.40	3	Horizontal	190	2.66	-	27.84	3.65	-
AV	2.485G	44.93	54.00	-9.07	13.48	3	Horizontal	190	2.66	-	27.81	3.64	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

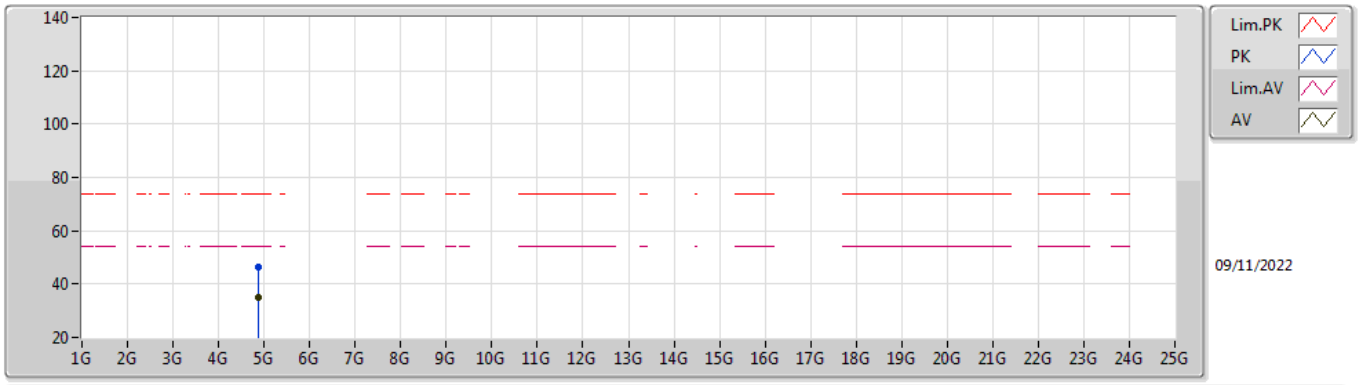


EUT Y_1TX
Setting 127
01-D-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87392G	47.42	74.00	-26.58	41.98	3	Vertical	297	1.18	-	32.55	5.77	32.88
AV	4.87392G	34.92	54.00	-19.08	29.48	3	Vertical	297	1.18	-	32.55	5.77	32.88

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

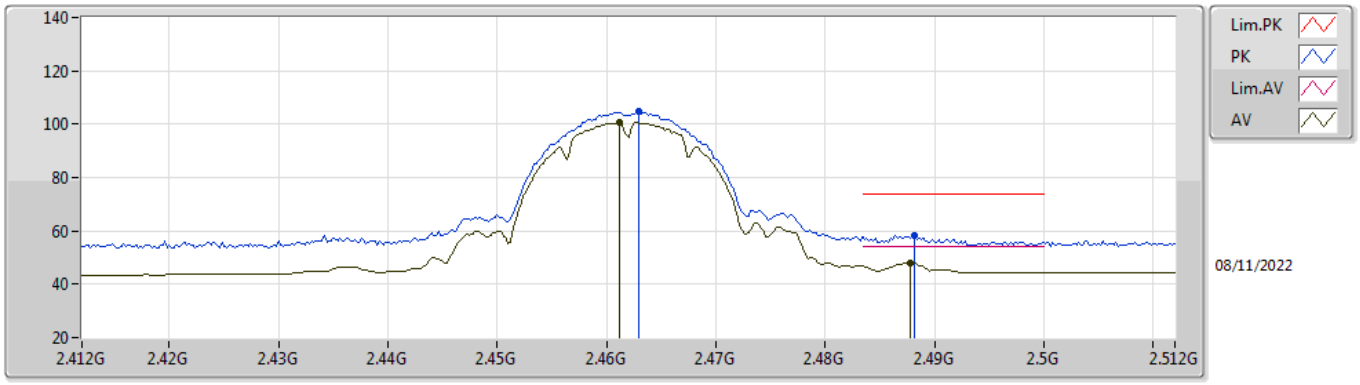


EUT Y_1TX
Setting 127
01-D-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87928G	46.16	74.00	-27.84	40.69	3	Horizontal	4	1.80	-	32.56	5.78	32.87
AV	4.87388G	34.91	54.00	-19.09	29.47	3	Horizontal	4	1.80	-	32.55	5.77	32.88

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

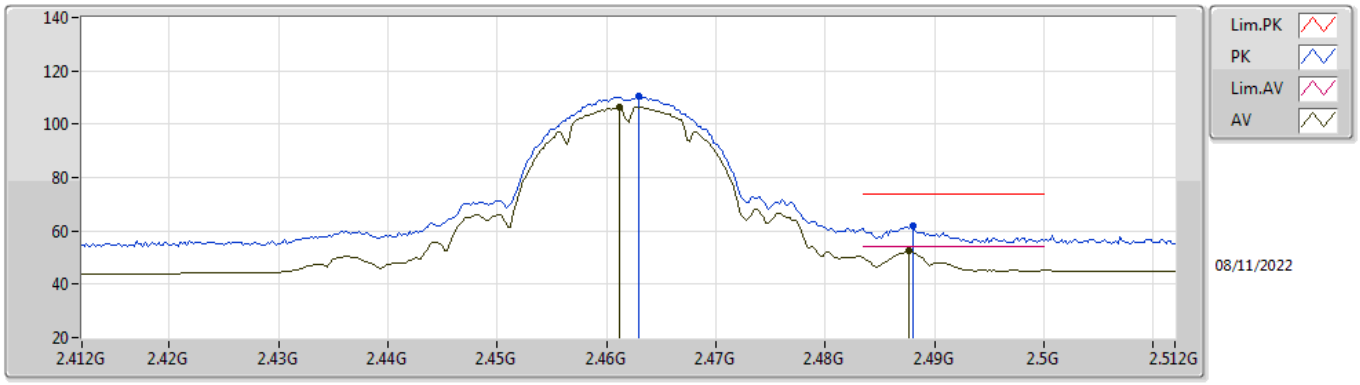


EUT Y_1TX
Setting 115
01-D-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.463G	104.73	Inf	-Inf	73.42	3	Vertical	203	2.85	-	27.68	3.63	-
AV	2.4612G	100.66	Inf	-Inf	69.36	3	Vertical	203	2.85	-	27.67	3.63	-
PK	2.4882G	58.45	74.00	-15.55	26.98	3	Vertical	203	2.85	-	27.83	3.64	-
AV	2.4878G	48.15	54.00	-5.85	16.68	3	Vertical	203	2.85	-	27.83	3.64	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

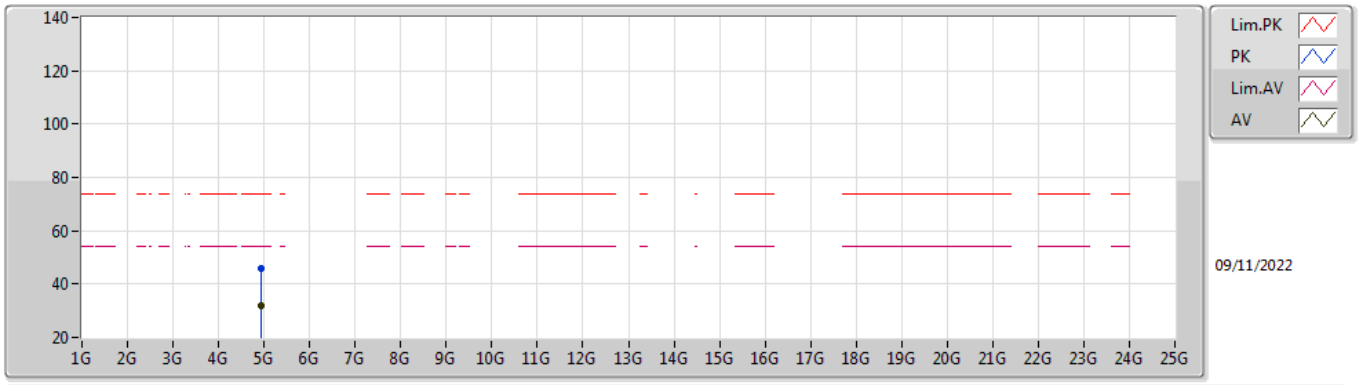


EUT Y_1TX
Setting 115
01-D-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.463G	110.33	Inf	-Inf	79.02	3	Horizontal	189	2.92	-	27.68	3.63	-
AV	2.4612G	106.29	Inf	-Inf	74.99	3	Horizontal	189	2.92	-	27.67	3.63	-
PK	2.488G	62.01	74.00	-11.99	30.54	3	Horizontal	189	2.92	-	27.83	3.64	-
AV	2.4876G	52.44	54.00	-1.56	20.97	3	Horizontal	189	2.92	-	27.83	3.64	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

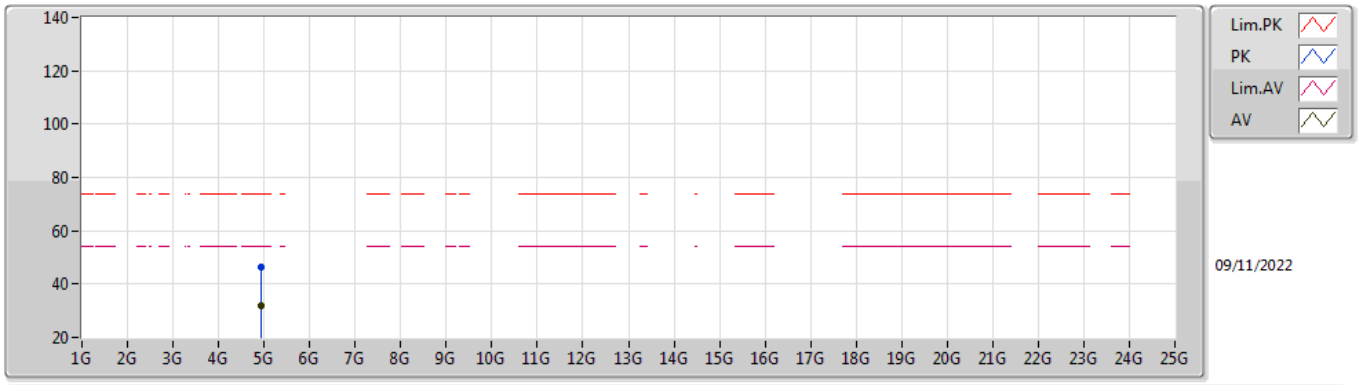


EUT Y_1TX
Setting 115
01-D-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.9254G	45.83	74.00	-28.17	40.11	3	Vertical	279	1.83	-	32.75	5.83	32.86
AV	4.92606G	32.11	54.00	-21.89	26.38	3	Vertical	279	1.83	-	32.76	5.83	32.86

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

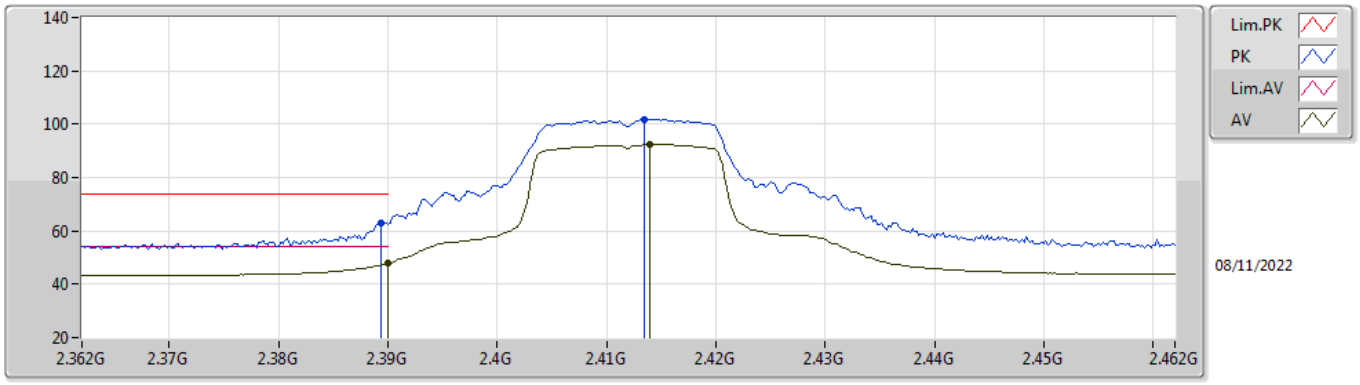


EUT Y_1TX
Setting 115
01-D-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92369G	46.21	74.00	-27.79	40.52	3	Horizontal	146	2.71	-	32.74	5.82	32.87
AV	4.92535G	32.13	54.00	-21.87	26.41	3	Horizontal	146	2.71	-	32.75	5.83	32.86

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

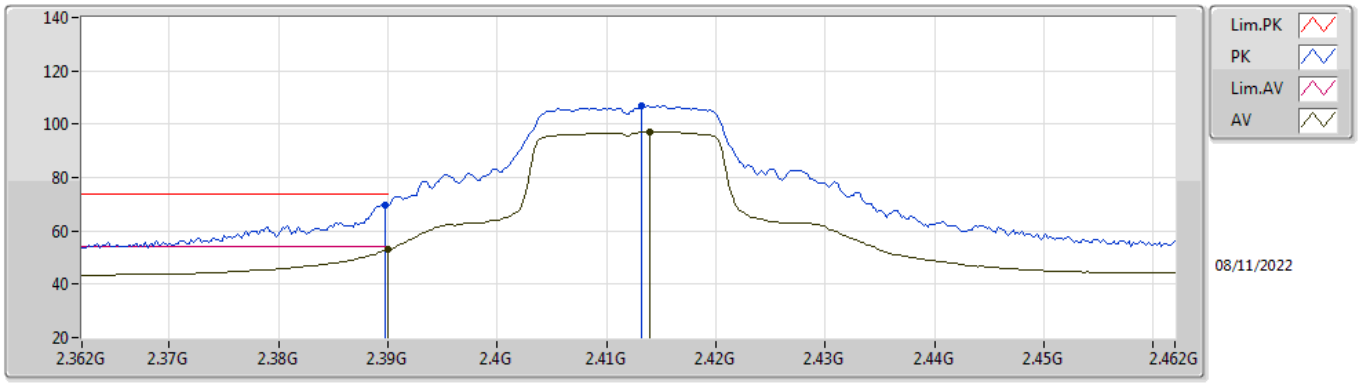


EUT Y_1TX
Setting 107
01-D-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3894G	62.94	74.00	-11.06	32.01	3	Vertical	204	1.80	-	27.34	3.59	-
AV	2.39G	47.85	54.00	-6.15	16.92	3	Vertical	204	1.80	-	27.34	3.59	-
PK	2.4134G	101.95	Inf	-Inf	70.89	3	Vertical	204	1.80	-	27.45	3.61	-
AV	2.414G	92.39	Inf	-Inf	61.32	3	Vertical	204	1.80	-	27.46	3.61	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

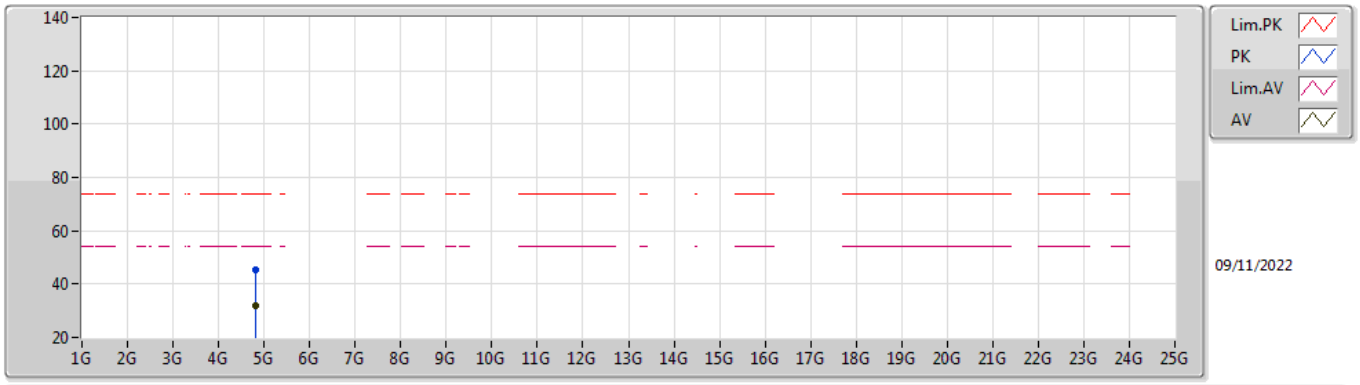


EUT Y_1TX
Setting 107
01-D-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	69.83	74.00	-4.17	38.90	3	Horizontal	182	1.80	-	27.34	3.59	-
AV	2.39G	52.96	54.00	-1.04	22.03	3	Horizontal	182	1.80	-	27.34	3.59	-
PK	2.4132G	106.75	Inf	-Inf	75.69	3	Horizontal	182	1.80	-	27.45	3.61	-
AV	2.414G	97.15	Inf	-Inf	66.08	3	Horizontal	182	1.80	-	27.46	3.61	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

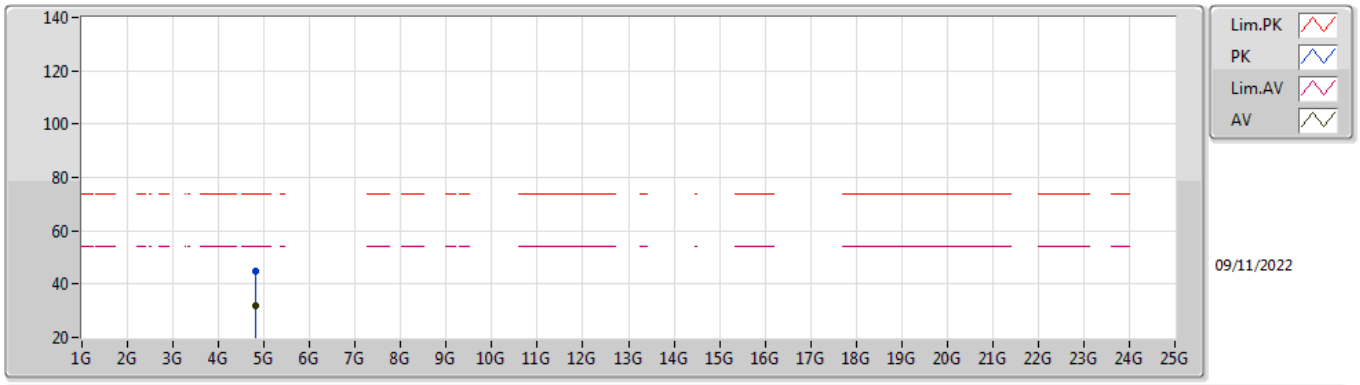


EUT Y_1TX
Setting 107
01-D-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82612G	45.37	74.00	-28.63	40.12	3	Vertical	67	1.52	-	32.40	5.73	32.88
AV	4.82522G	31.76	54.00	-22.24	26.51	3	Vertical	67	1.52	-	32.40	5.73	32.88

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

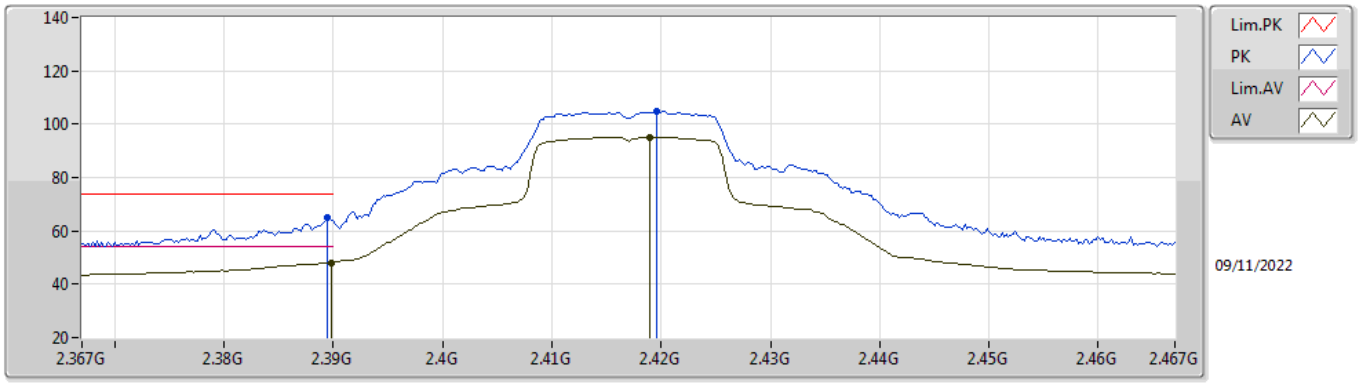


EUT Y_1TX
Setting 107
01-D-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.8249G	45.08	74.00	-28.92	39.85	3	Horizontal	111	2.41	-	32.40	5.72	32.89
AV	4.82512G	31.71	54.00	-22.29	26.46	3	Horizontal	111	2.41	-	32.40	5.73	32.88

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2417MHz_TX

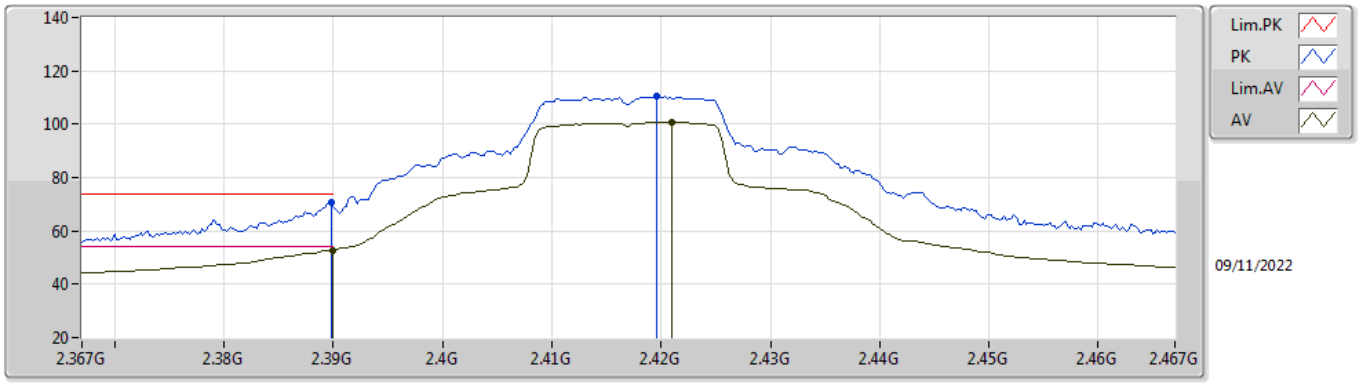


EUT Y_1TX
Setting 120
01-D-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3894G	65.14	74.00	-8.86	34.21	3	Vertical	203	1.34	-	27.34	3.59	-
AV	2.3898G	48.15	54.00	-5.85	17.22	3	Vertical	203	1.34	-	27.34	3.59	-
PK	2.4196G	104.76	Inf	-Inf	73.67	3	Vertical	203	1.34	-	27.48	3.61	-
AV	2.419G	95.00	Inf	-Inf	63.91	3	Vertical	203	1.34	-	27.48	3.61	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2417MHz_TX

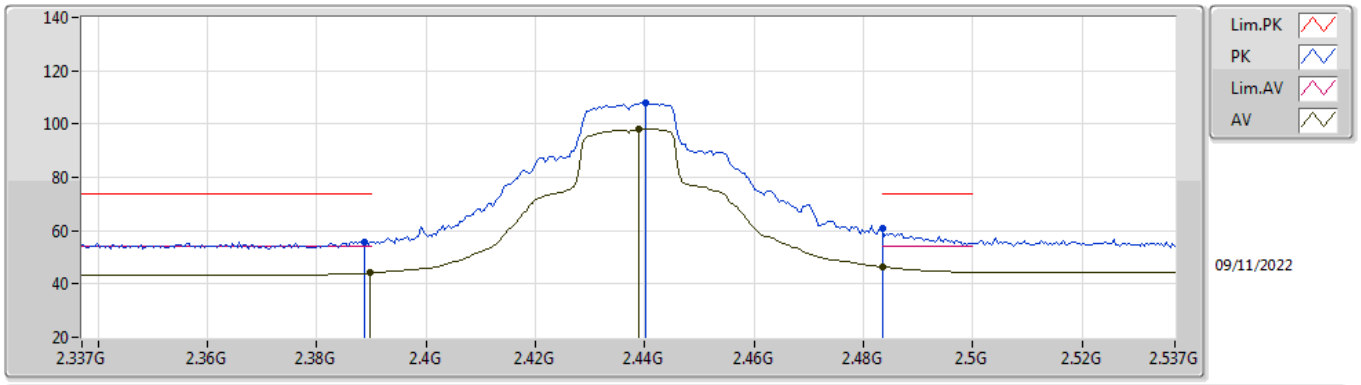


EUT Y_1TX
Setting 120
01-D-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	70.55	74.00	-3.45	39.62	3	Horizontal	178	2.61	-	27.34	3.59	-
AV	2.39G	52.73	54.00	-1.27	21.80	3	Horizontal	178	2.61	-	27.34	3.59	-
PK	2.4196G	110.39	Inf	-Inf	79.30	3	Horizontal	178	2.61	-	27.48	3.61	-
AV	2.421G	100.56	Inf	-Inf	69.47	3	Horizontal	178	2.61	-	27.48	3.61	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

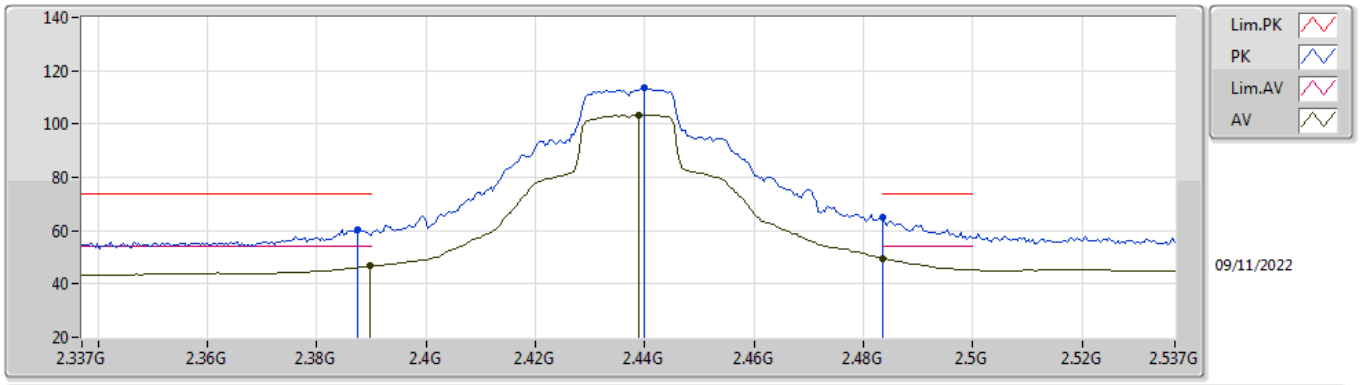


EUT Y_1TX
Setting 127
01-D-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3886G	55.89	74.00	-18.11	24.97	3	Vertical	202	2.31	-	27.33	3.59	-
AV	2.3898G	44.07	54.00	-9.93	13.14	3	Vertical	202	2.31	-	27.34	3.59	-
PK	2.4402G	107.95	Inf	-Inf	76.77	3	Vertical	202	2.31	-	27.56	3.62	-
AV	2.439G	98.10	Inf	-Inf	66.92	3	Vertical	202	2.31	-	27.56	3.62	-
PK	2.4835G	60.98	74.00	-13.02	29.54	3	Vertical	202	2.31	-	27.80	3.64	-
AV	2.4835G	46.34	54.00	-7.66	14.90	3	Vertical	202	2.31	-	27.80	3.64	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

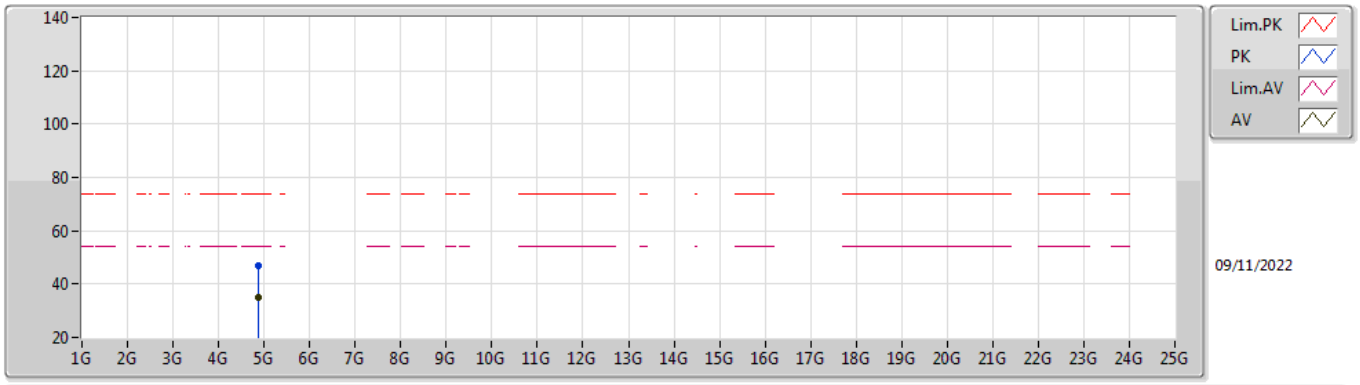


EUT Y_1TX
Setting 127
01-D-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3874G	60.44	74.00	-13.56	29.53	3	Horizontal	188	2.66	-	27.32	3.59	-
AV	2.3898G	46.68	54.00	-7.32	15.75	3	Horizontal	188	2.66	-	27.34	3.59	-
PK	2.4398G	113.40	Inf	-Inf	82.22	3	Horizontal	188	2.66	-	27.56	3.62	-
AV	2.439G	103.45	Inf	-Inf	72.27	3	Horizontal	188	2.66	-	27.56	3.62	-
PK	2.4835G	64.89	74.00	-9.11	33.45	3	Horizontal	188	2.66	-	27.80	3.64	-
AV	2.4835G	49.52	54.00	-4.48	18.08	3	Horizontal	188	2.66	-	27.80	3.64	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

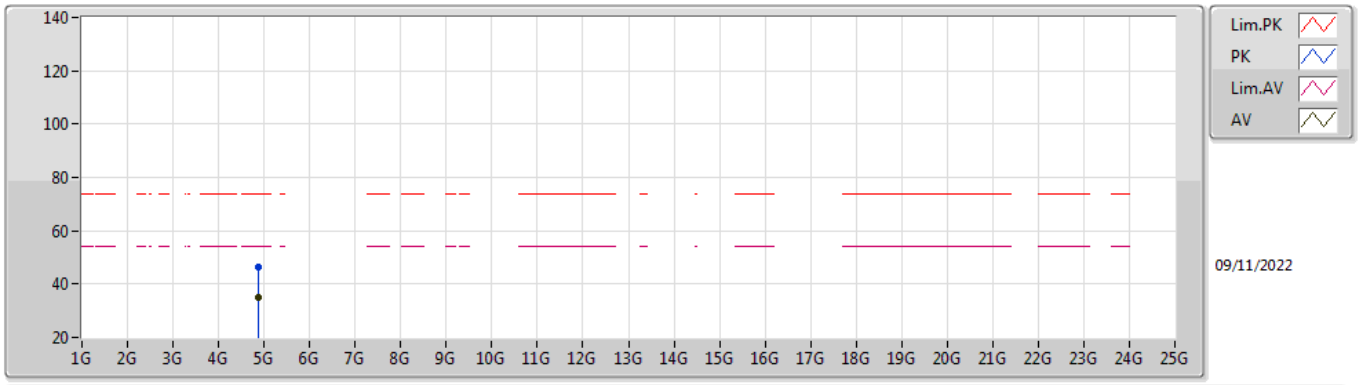


EUT Y_1TX
Setting 127
01-D-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87396G	46.92	74.00	-27.08	41.48	3	Vertical	105	2.86	-	32.55	5.77	32.88
AV	4.87382G	34.90	54.00	-19.10	29.46	3	Vertical	105	2.86	-	32.55	5.77	32.88

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

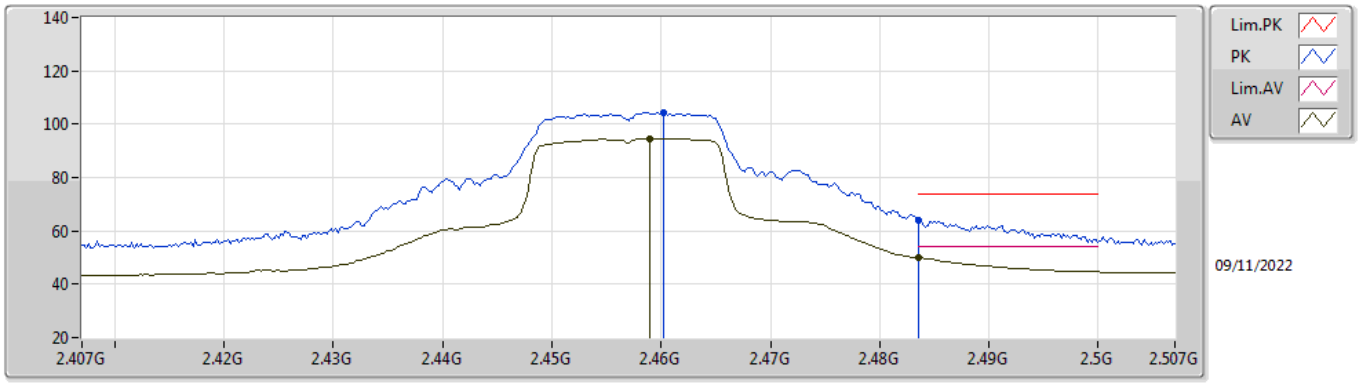


EUT Y_1TX
Setting 127
01-D-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87379G	46.45	74.00	-27.55	41.01	3	Horizontal	339	1.29	-	32.55	5.77	32.88
AV	4.87386G	34.82	54.00	-19.18	29.38	3	Horizontal	339	1.29	-	32.55	5.77	32.88

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2457MHz_TX

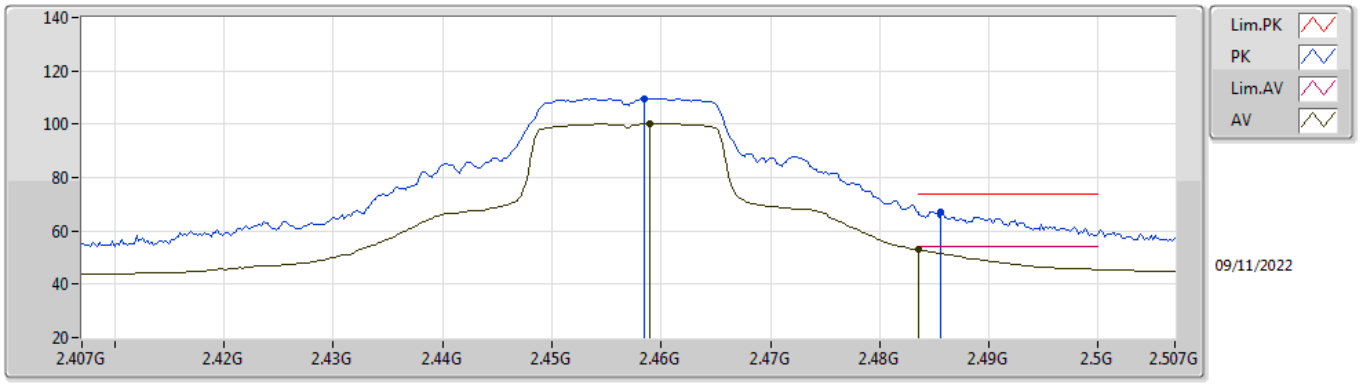


EUT Y_1TX
Setting 108
01-D-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4602G	104.22	Inf	-Inf	72.93	3	Vertical	202	2.86	-	27.66	3.63	-
AV	2.459G	94.64	Inf	-Inf	63.36	3	Vertical	202	2.86	-	27.65	3.63	-
PK	2.4835G	63.92	74.00	-10.08	32.48	3	Vertical	202	2.86	-	27.80	3.64	-
AV	2.4835G	49.92	54.00	-4.08	18.48	3	Vertical	202	2.86	-	27.80	3.64	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2457MHz_TX

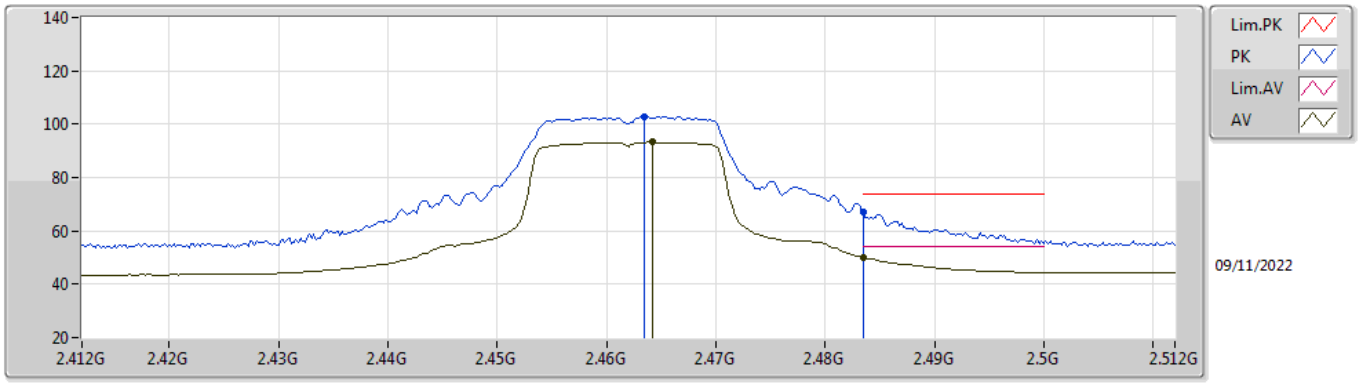


EUT Y_1TX
Setting 108
01-D-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4584G	109.73	Inf	-Inf	78.45	3	Horizontal	191	2.92	-	27.65	3.63	-
AV	2.459G	100.17	Inf	-Inf	68.89	3	Horizontal	191	2.92	-	27.65	3.63	-
PK	2.4856G	67.30	74.00	-6.70	35.85	3	Horizontal	191	2.92	-	27.81	3.64	-
AV	2.4835G	52.91	54.00	-1.09	21.47	3	Horizontal	191	2.92	-	27.80	3.64	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

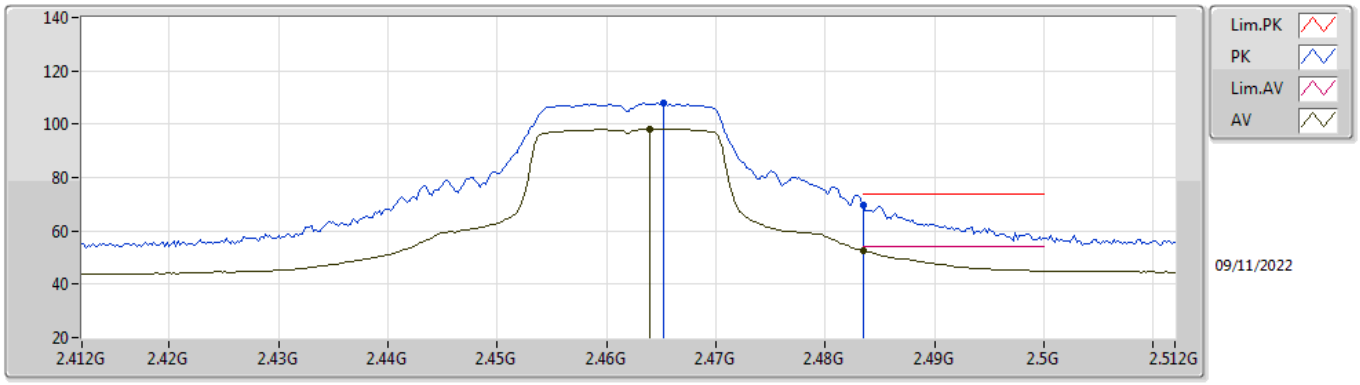


EUT Y_1TX
Setting 100
01-D-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4634G	102.79	Inf	-Inf	71.48	3	Vertical	202	2.86	-	27.68	3.63	-
AV	2.4642G	93.22	Inf	-Inf	61.90	3	Vertical	202	2.86	-	27.69	3.63	-
PK	2.4835G	66.85	74.00	-7.15	35.41	3	Vertical	202	2.86	-	27.80	3.64	-
AV	2.4835G	50.06	54.00	-3.94	18.62	3	Vertical	202	2.86	-	27.80	3.64	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

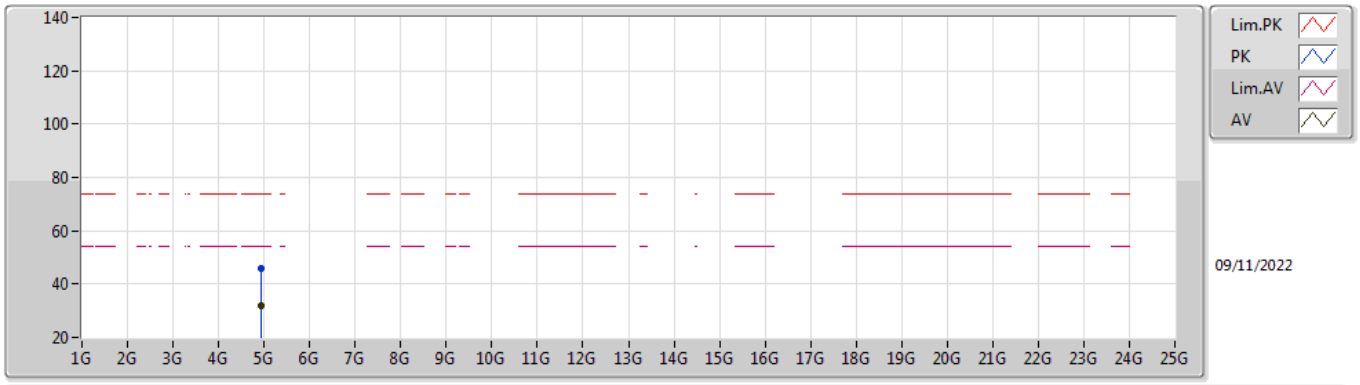


EUT Y_1TX
Setting 100
01-D-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4652G	107.76	Inf	-Inf	76.44	3	Horizontal	188	2.95	-	27.69	3.63	-
AV	2.464G	98.16	Inf	-Inf	66.85	3	Horizontal	188	2.95	-	27.68	3.63	-
PK	2.4835G	69.81	74.00	-4.19	38.37	3	Horizontal	188	2.95	-	27.80	3.64	-
AV	2.4835G	52.52	54.00	-1.48	21.08	3	Horizontal	188	2.95	-	27.80	3.64	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

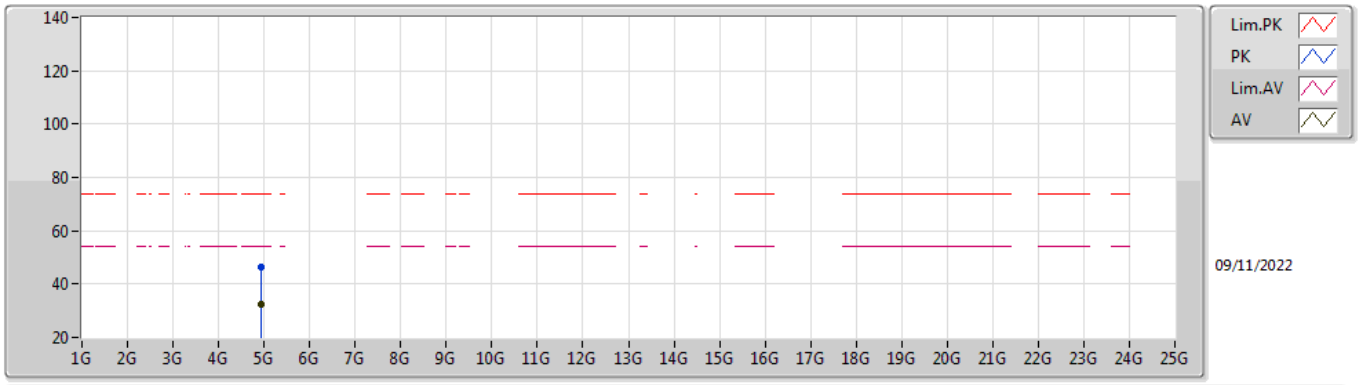


EUT Y_1TX
Setting 100
01-D-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92524G	45.88	74.00	-28.12	40.16	3	Vertical	106	2.20	-	32.75	5.83	32.86
AV	4.92638G	32.09	54.00	-21.91	26.36	3	Vertical	106	2.20	-	32.76	5.83	32.86

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

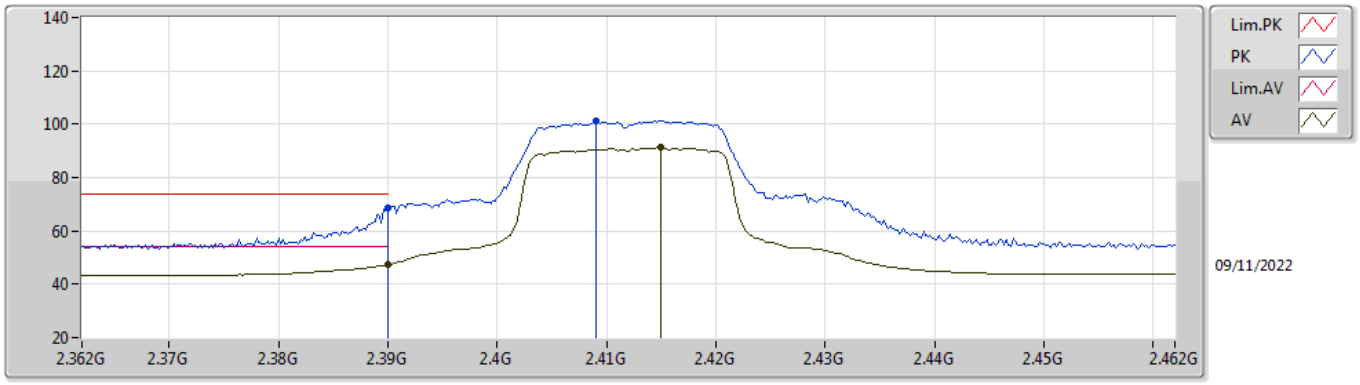


EUT Y_1TX
Setting 100
01-D-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92155G	46.25	74.00	-27.75	40.57	3	Horizontal	300	1.40	-	32.73	5.82	32.87
AV	4.92589G	32.20	54.00	-21.80	26.47	3	Horizontal	300	1.40	-	32.76	5.83	32.86

2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

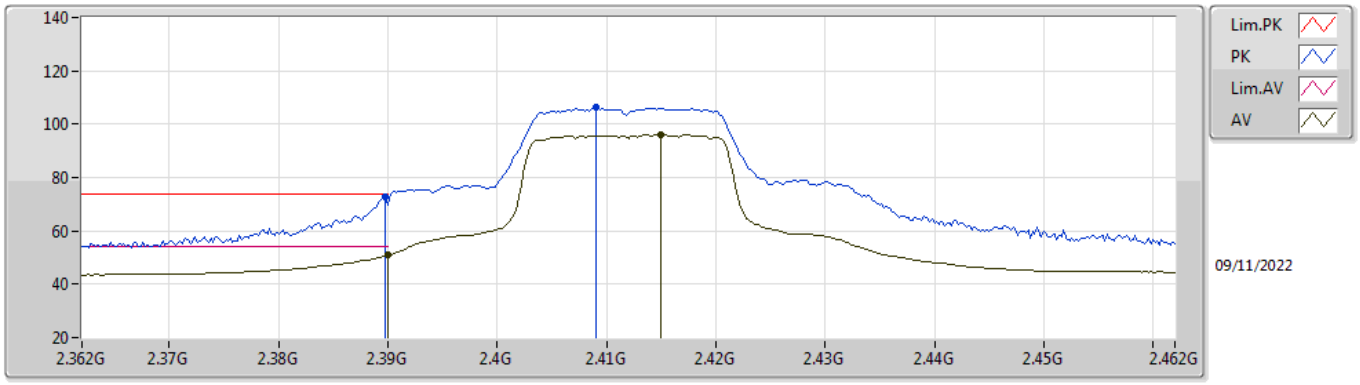


EUT Y_1TX
Setting 104
01-D-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	68.55	74.00	-5.45	37.62	3	Vertical	206	1.19	-	27.34	3.59	-
AV	2.39G	47.25	54.00	-6.75	16.32	3	Vertical	206	1.19	-	27.34	3.59	-
PK	2.409G	101.21	Inf	-Inf	70.17	3	Vertical	206	1.19	-	27.44	3.60	-
AV	2.415G	91.30	Inf	-Inf	60.23	3	Vertical	206	1.19	-	27.46	3.61	-

2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

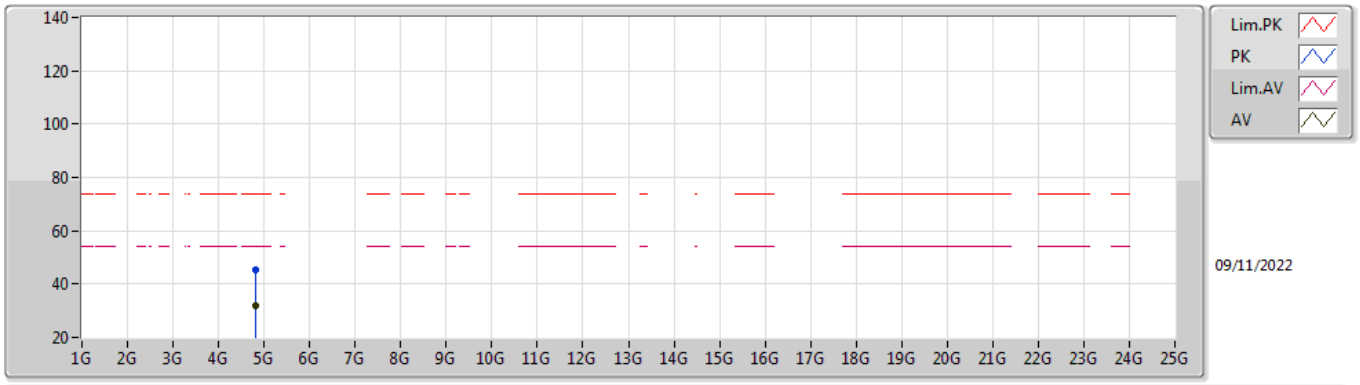


EUT Y_1TX
Setting 104
01-D-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3898G	72.98	74.00	-1.02	42.05	3	Horizontal	181	2.60	-	27.34	3.59	-
AV	2.39G	50.78	54.00	-3.22	19.85	3	Horizontal	181	2.60	-	27.34	3.59	-
PK	2.409G	106.46	Inf	-Inf	75.42	3	Horizontal	181	2.60	-	27.44	3.60	-
AV	2.415G	96.12	Inf	-Inf	65.05	3	Horizontal	181	2.60	-	27.46	3.61	-

2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

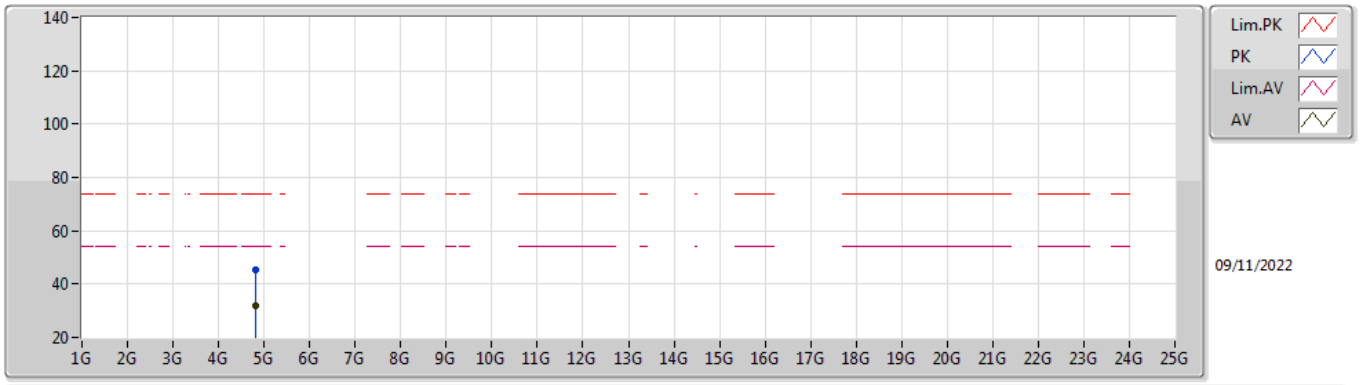


EUT Y_1TX
Setting 104
01-D-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82225G	45.40	74.00	-28.60	40.18	3	Vertical	278	2.45	-	32.39	5.72	32.89
AV	4.82646G	31.72	54.00	-22.28	26.46	3	Vertical	278	2.45	-	32.41	5.73	32.88

2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

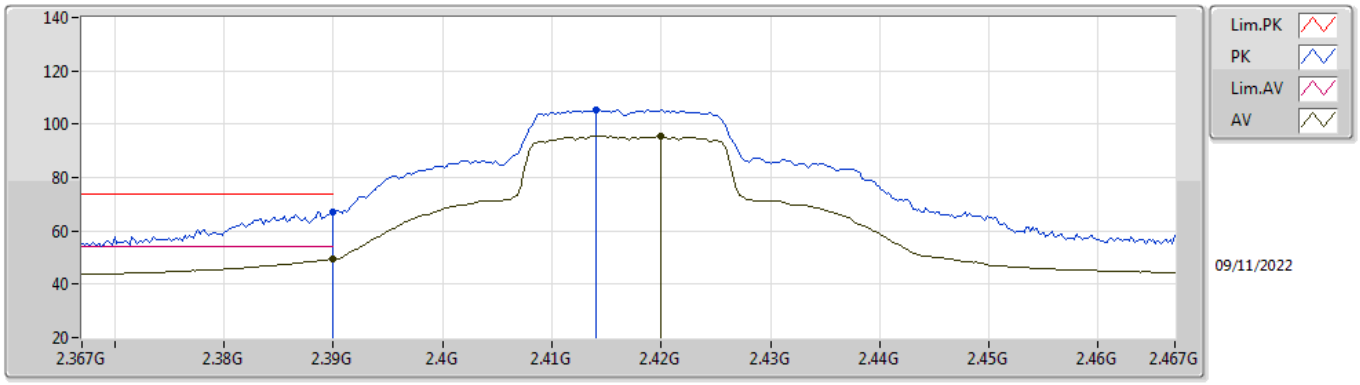


EUT Y_1TX
Setting 104
01-D-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.82404G	45.44	74.00	-28.56	40.21	3	Horizontal	262	1.93	-	32.40	5.72	32.89
AV	4.82647G	31.75	54.00	-22.25	26.49	3	Horizontal	262	1.93	-	32.41	5.73	32.88

2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

2417MHz_TX

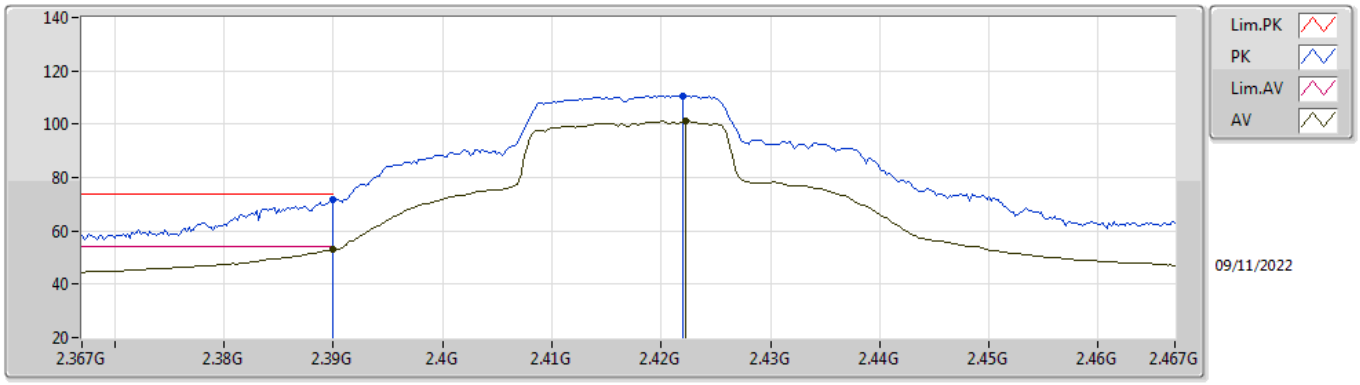


EUT Y_1TX
Setting 123
01-D-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	67.31	74.00	-6.69	36.38	3	Vertical	202	1.35	-	27.34	3.59	-
AV	2.39G	49.44	54.00	-4.56	18.51	3	Vertical	202	1.35	-	27.34	3.59	-
PK	2.414G	105.45	Inf	-Inf	74.38	3	Vertical	202	1.35	-	27.46	3.61	-
AV	2.42G	95.39	Inf	-Inf	64.30	3	Vertical	202	1.35	-	27.48	3.61	-

2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

2417MHz_TX

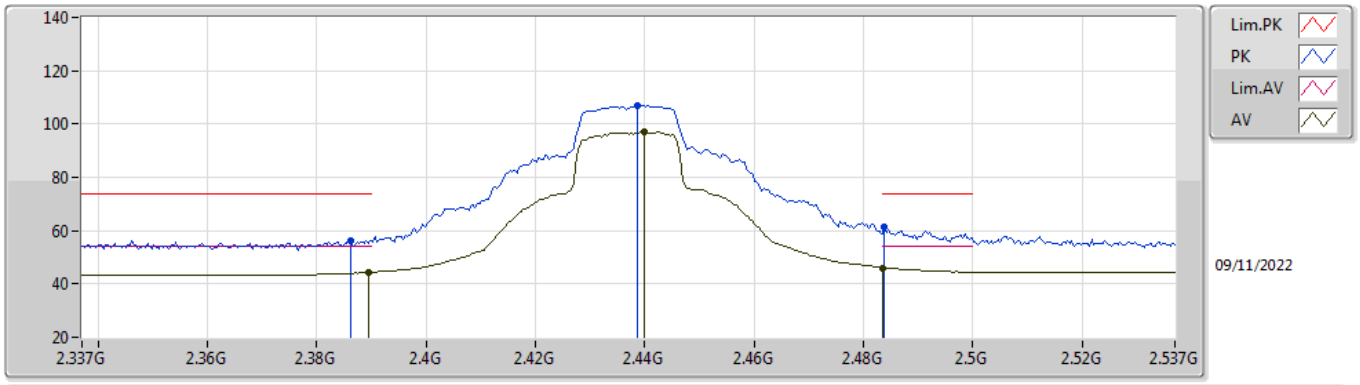


EUT Y_1TX
Setting 123
01-D-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.39G	71.60	74.00	-2.40	40.67	3	Horizontal	194	2.62	-	27.34	3.59	-
AV	2.39G	52.85	54.00	-1.15	21.92	3	Horizontal	194	2.62	-	27.34	3.59	-
PK	2.422G	110.71	Inf	-Inf	79.61	3	Horizontal	194	2.62	-	27.49	3.61	-
AV	2.4222G	101.04	Inf	-Inf	69.94	3	Horizontal	194	2.62	-	27.49	3.61	-

2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

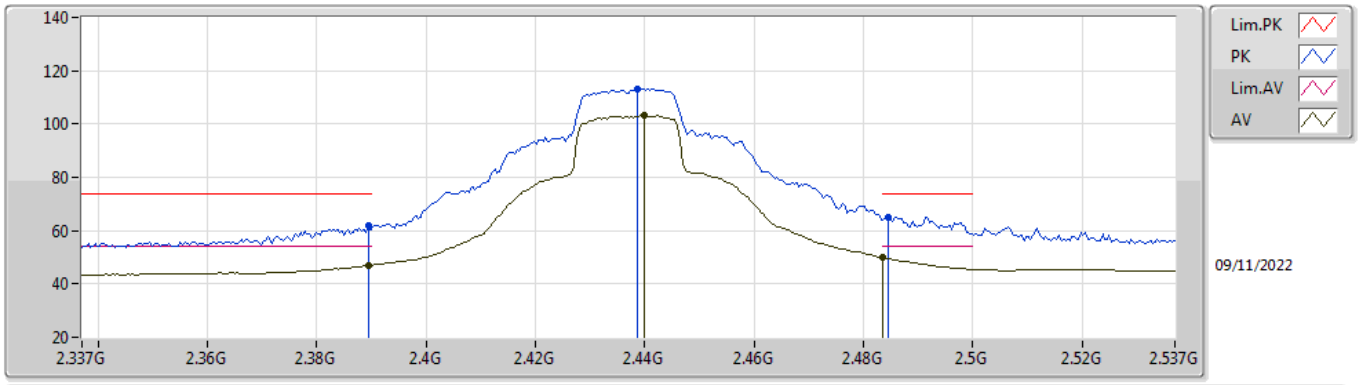


EUT Y_1TX
Setting 127
01-D-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3862G	56.45	74.00	-17.55	25.54	3	Vertical	204	2.31	-	27.32	3.59	-
AV	2.3894G	44.33	54.00	-9.67	13.40	3	Vertical	204	2.31	-	27.34	3.59	-
PK	2.4386G	107.01	Inf	-Inf	75.84	3	Vertical	204	2.31	-	27.55	3.62	-
AV	2.4398G	97.19	Inf	-Inf	66.01	3	Vertical	204	2.31	-	27.56	3.62	-
PK	2.4838G	61.43	74.00	-12.57	29.99	3	Vertical	204	2.31	-	27.80	3.64	-
AV	2.4835G	46.06	54.00	-7.94	14.62	3	Vertical	204	2.31	-	27.80	3.64	-

2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

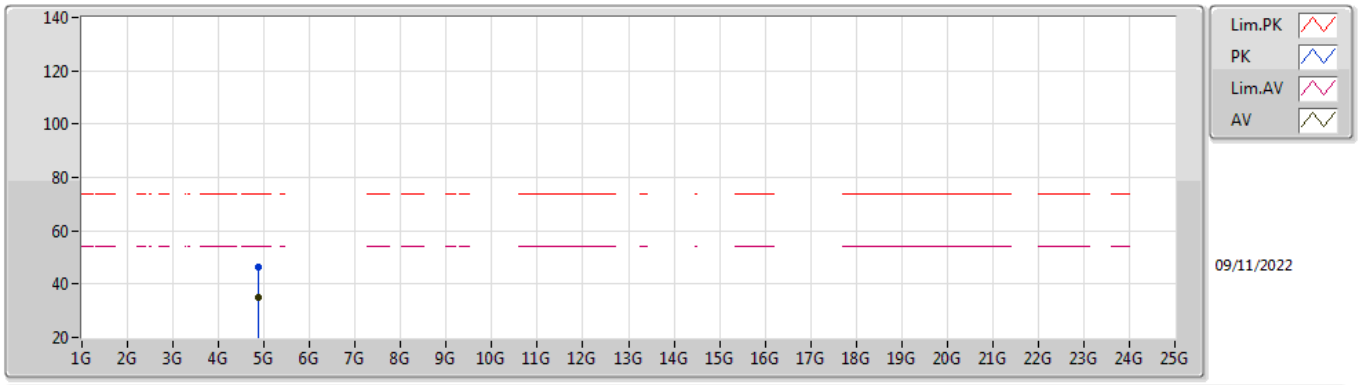


EUT Y_1TX
Setting 127
01-D-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3894G	61.75	74.00	-12.25	30.82	3	Horizontal	188	2.67	-	27.34	3.59	-
AV	2.3894G	46.93	54.00	-7.07	16.00	3	Horizontal	188	2.67	-	27.34	3.59	-
PK	2.4386G	113.03	Inf	-Inf	81.86	3	Horizontal	188	2.67	-	27.55	3.62	-
AV	2.4398G	103.26	Inf	-Inf	72.08	3	Horizontal	188	2.67	-	27.56	3.62	-
PK	2.4846G	65.25	74.00	-8.75	33.80	3	Horizontal	188	2.67	-	27.81	3.64	-
AV	2.4835G	49.86	54.00	-4.14	18.42	3	Horizontal	188	2.67	-	27.80	3.64	-

2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

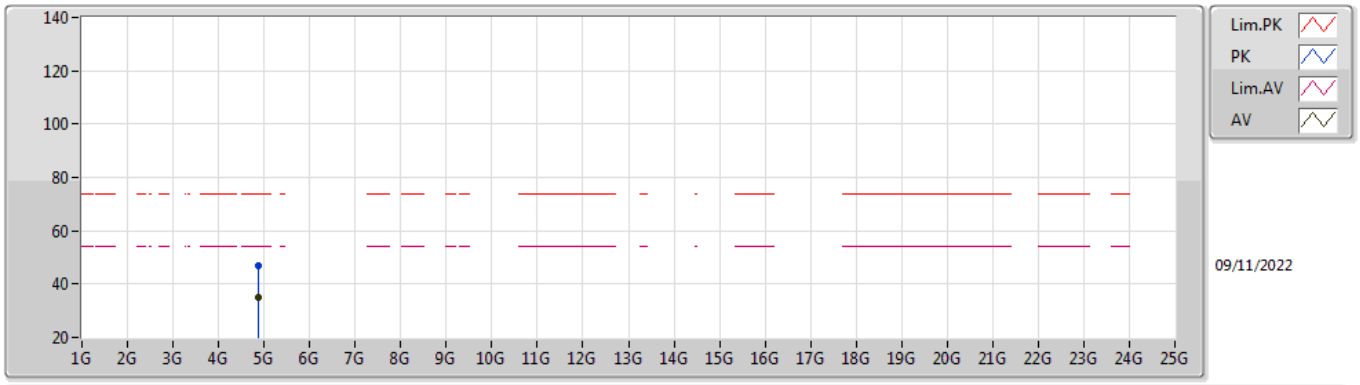


EUT Y_1TX
Setting 127
01-D-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87411G	46.49	74.00	-27.51	41.05	3	Vertical	161	1.34	-	32.55	5.77	32.88
AV	4.87383G	34.91	54.00	-19.09	29.47	3	Vertical	161	1.34	-	32.55	5.77	32.88

2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

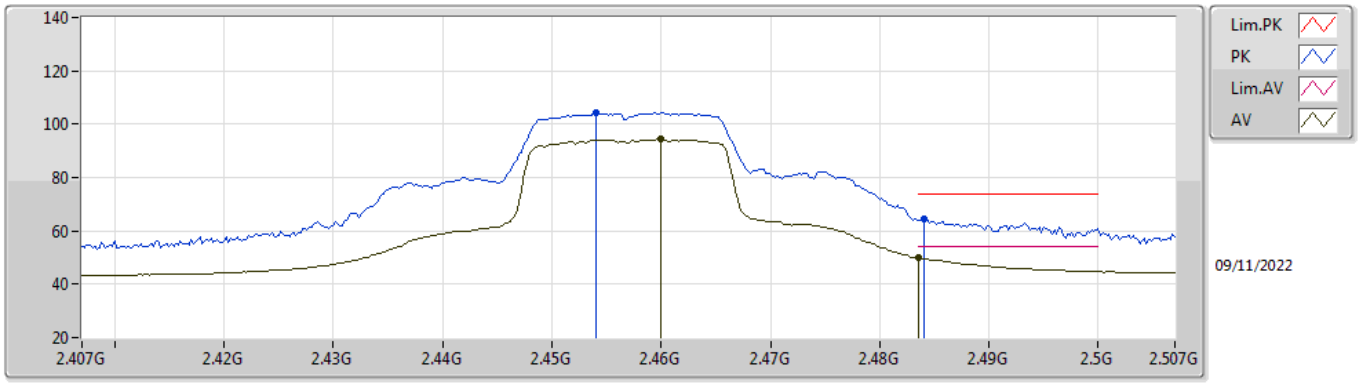


EUT Y_1TX
Setting 127
01-D-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87419G	47.15	74.00	-26.85	41.71	3	Horizontal	168	1.11	-	32.55	5.77	32.88
AV	4.8739G	34.77	54.00	-19.23	29.33	3	Horizontal	168	1.11	-	32.55	5.77	32.88

2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

2457MHz_TX

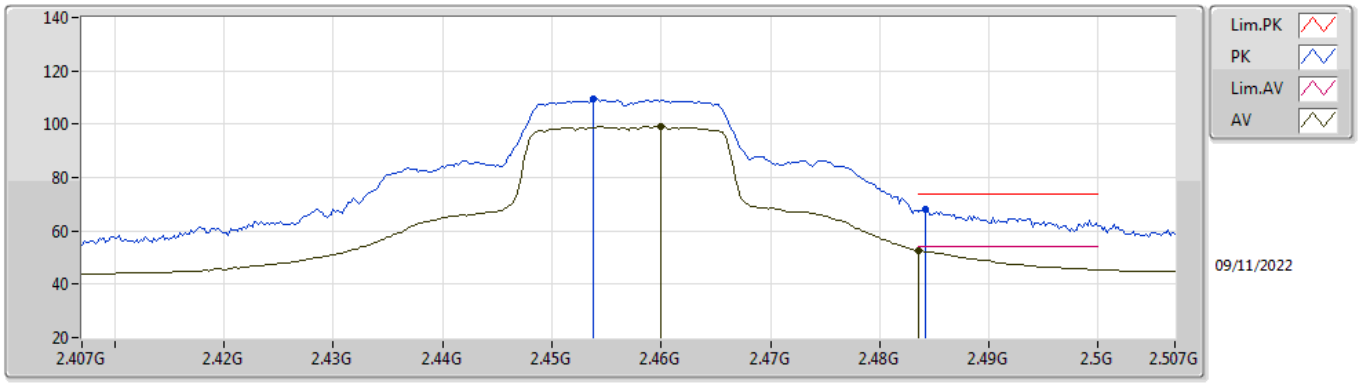


EUT Y_1TX
Setting 108
01-D-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.454G	104.55	Inf	-Inf	73.30	3	Vertical	203	2.85	-	27.62	3.63	-
AV	2.46G	94.39	Inf	-Inf	63.10	3	Vertical	203	2.85	-	27.66	3.63	-
PK	2.484G	64.34	74.00	-9.66	32.90	3	Vertical	203	2.85	-	27.80	3.64	-
AV	2.4835G	49.83	54.00	-4.17	18.39	3	Vertical	203	2.85	-	27.80	3.64	-

2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

2457MHz_TX

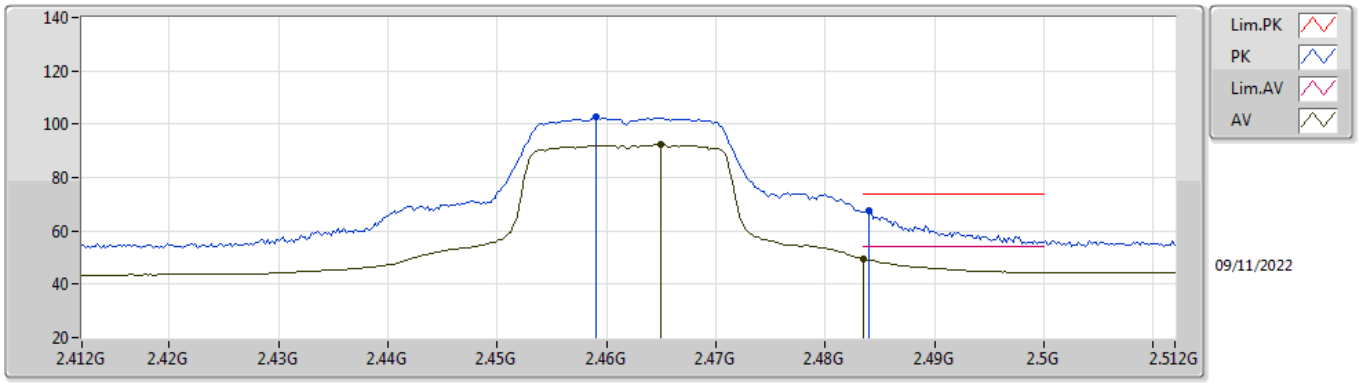


EUT Y_1TX
Setting 108
01-D-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4538G	109.52	Inf	-Inf	78.27	3	Horizontal	188	2.98	-	27.62	3.63	-
AV	2.46G	99.15	Inf	-Inf	67.86	3	Horizontal	188	2.98	-	27.66	3.63	-
PK	2.4842G	68.05	74.00	-5.95	36.60	3	Horizontal	188	2.98	-	27.81	3.64	-
AV	2.4835G	52.67	54.00	-1.33	21.23	3	Horizontal	188	2.98	-	27.80	3.64	-

2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

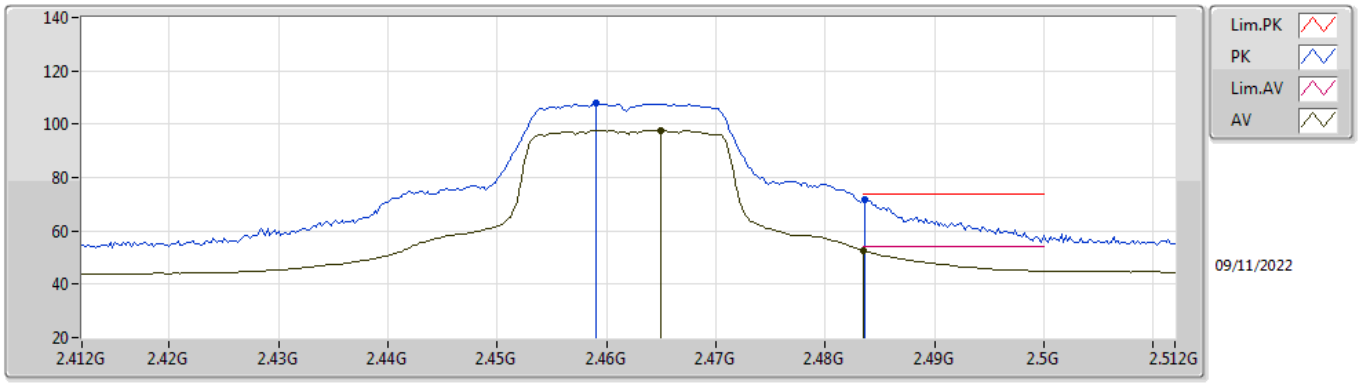


EUT Y_1TX
Setting 99
01-D-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.459G	102.72	Inf	-Inf	71.44	3	Vertical	203	2.86	-	27.65	3.63	-
AV	2.465G	92.43	Inf	-Inf	61.11	3	Vertical	203	2.86	-	27.69	3.63	-
PK	2.484G	67.68	74.00	-6.32	36.24	3	Vertical	203	2.86	-	27.80	3.64	-
AV	2.4835G	49.55	54.00	-4.45	18.11	3	Vertical	203	2.86	-	27.80	3.64	-

2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

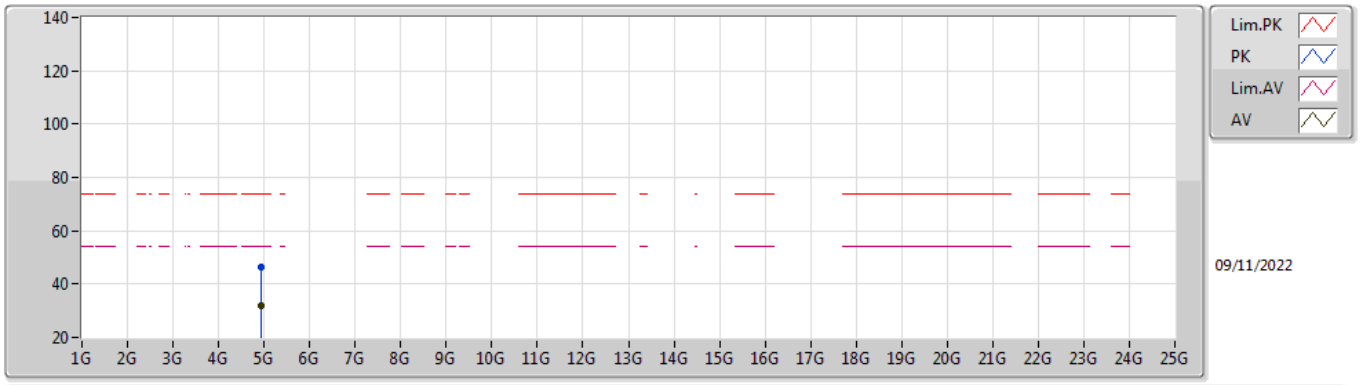


EUT Y_1TX
Setting 99
01-D-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.459G	108.03	Inf	-Inf	76.75	3	Horizontal	188	2.95	-	27.65	3.63	-
AV	2.465G	97.78	Inf	-Inf	66.46	3	Horizontal	188	2.95	-	27.69	3.63	-
PK	2.4836G	71.62	74.00	-2.38	40.18	3	Horizontal	188	2.95	-	27.80	3.64	-
AV	2.4835G	52.70	54.00	-1.30	21.26	3	Horizontal	188	2.95	-	27.80	3.64	-

2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

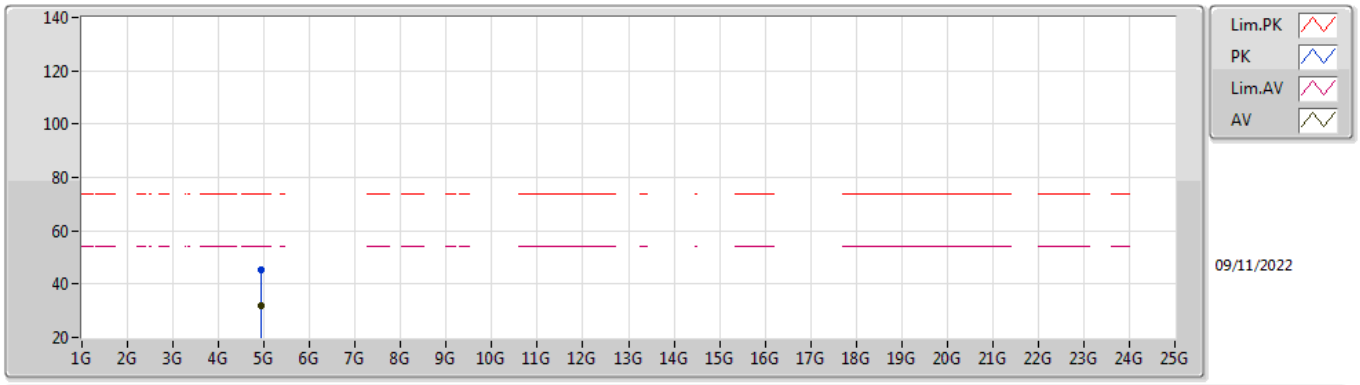


EUT Y_1TX
Setting 99
01-D-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92386G	46.35	74.00	-27.65	40.66	3	Vertical	142	2.94	-	32.74	5.82	32.87
AV	4.92615G	32.08	54.00	-21.92	26.35	3	Vertical	142	2.94	-	32.76	5.83	32.86

2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX



EUT Y_1TX
Setting 99
01-D-B-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.92441G	45.49	74.00	-28.51	39.79	3	Horizontal	157	1.66	-	32.75	5.82	32.87
AV	4.92632G	32.10	54.00	-21.90	26.37	3	Horizontal	157	1.66	-	32.76	5.83	32.86