



RADIO TEST REPORT

FCC ID : N89-RAP750EV1
Equipment : BE5000 Wireless Dual Band Outdoor Wall Mount Access Point
Brand Name : SonicFi
Model Name : RAP750E-H, RAP750E-S
Applicant : CyberTAN Technology Inc.
No. 99, Park Avenue III Science-based Industrial
Park Hsinchu Taiwan 308
Manufacturer : CyberTAN Technology Inc.
No. 99, Park Avenue III Science-based Industrial
Park Hsinchu Taiwan 308
Standard : 47 CFR FCC Part 15.247

The product was received on Sep. 22, 2025, and testing was started from Sep. 22, 2025 and completed on Nov. 28, 2025. 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 C63.10-2020 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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TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB-A10_6 Ver1.3



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	-

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the chapter "Measurement Uncertainty".

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Sam Chen

Report Producer: Muse Chan



1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	Bluetooth Mode	Ch. Frequency (MHz)	Channel Number
2400-2483.5	LE	2402-2480	0-39 [40]

Band	Mode	BWch (MHz)	Nant
2.4G2.4-2.4835GHz	BT-LE(1Mbps)	1	1
2.4-2.4835GHz	BT-LE(2Mbps)	2	1

Note:

- ♦ Bluetooth LE uses a GFSK modulation.
- ♦ BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

For EUT 1:

Ant.	Port			Brand Name	Model Name	Antenna Type	Connector	Gain (dBi)
	WLAN 2.4GHz	WLAN 5GHz	Bluetooth					
1	1	-	-	Airgain	AP01CBARA	PCB	I-PEX	Note 1
2	2	-	-	Airgain	AP01CBARA	PCB	I-PEX	
3	-	1	-	GALTRONICS	02102142-07899	PCB	I-PEX	
4	-	2	-	GALTRONICS	02102142-07899	PCB	I-PEX	
5	-	-	1	GALTRONICS	02036073-08188	Metal	N/A	

Note 1:

NOTE 1:

Ant.	Antenna Gain (dBi)							
	WLAN 2.4GHz			WLAN 5GHz				Bluetooth
	2.4G	2.45G	2.4835G	5.2G	5.3G	5.6G	5.785G	
1	8.06	8.25	8.60	-	-	-	-	-
2	7.39	8.33	8.98	-	-	-	-	-
3	-	-	-	8.30	8.30	8.64	8.19	-
4	-	-	-	9.13	8.62	9.45	9.53	-
5	-	-	-	-	-	-	-	2.32



Directional gain (dBi)							
Item	WLAN 2.4GHz			WLAN 5GHz			
	2.4G	2.45G	2.4835G	5.2G	5.3G	5.6G	5.785G
2T1S	8.24	9.21	9.23	9.97	9.56	10.58	10.92
2T2S	8.06	8.33	8.98	9.13	8.62	9.45	9.53

Note 2: The above information (excepting Ant. 1~4 antenna gain and directional gain) was declared by manufacturer.

For 2.4GHz function:

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

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

Port 1~2 could transmit/receive simultaneously.

For 5GHz function:

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

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

Port 1~2 could transmit/receive simultaneously.

For Bluetooth function (1TX/1RX):

Only Port 1 can be used as transmitting/receiving antenna.

**For EUT 2:**

Ant.	Port			Brand Name	Model Name	Antenna Type	Connector	Gain (dBi)
	WLAN 2.4GHz	WLAN 5GHz	Bluetooth					
1	1	1	-	INPAQ	RFDPA161500SBLB813	Dipole	Reversed-SMA	Note 1
2	2	2	-	INPAQ	RFDPA161500SBLB813	Dipole	Reversed-SMA	
3	-	-	1	GALTRONICS	02036073-08188	Metal	N/A	

Note 1:

Ant.	Antenna Gain (dBi)					
	WLAN 2.4GHz	WLAN 5GHz				Bluetooth
		UNII 1	UNII 2A	UNII 2C	UNII 3	
1	5.2	6.44	7.18	6.61	5.53	-
2	5.2	6.44	7.18	6.61	5.53	-
3	-	-	-	-	-	2.32

Ant.	Cable loss (dB)					
	WLAN 2.4GHz	WLAN 5GHz				Bluetooth
		UNII 1	UNII 2A	UNII 2C	UNII 3	
1	1	1	1	1	1	-
2	1	1	1	1	1	-

Ant.	Net Gain (dBi)					
	WLAN 2.4GHz	WLAN 5GHz				Bluetooth
		UNII 1	UNII 2A	UNII 2C	UNII 3	
1	4.2	5.44	6.18	5.61	4.53	-
2	4.2	5.44	6.18	5.61	4.53	-

Note 2: The above information was declared by manufacturer.

Note 3: Directional gain information

Type	Maximum Output Power	Power Spectral Density
Non-BF	Directional gain = Max.gain + array gain. For power measurements on IEEE 802.11 devices Array Gain = 0 dB (i.e., no array gain) for N ANT ≤ 4	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left(\sum_{k=1}^{N_{ANT}} g_{j,k} \right)^2}{N_{ANT}} \right]$
BF	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left(\sum_{k=1}^{N_{ANT}} g_{j,k} \right)^2}{N_{ANT}} \right]$	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left(\sum_{k=1}^{N_{ANT}} g_{j,k} \right)^2}{N_{ANT}} \right]$

Ex.

Directional Gain (NSS1) formula :

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left(\sum_{k=1}^{N_{ANT}} g_{j,k} \right)^2}{N_{ANT}} \right]$$

$$NSS1(g1,1) = 10^{G1/20} ; NSS1(g1,2) = 10^{G2/20} ; NSS1(g1,3) = 10^{G3/20} ; NSS1(g1,4) = 10^{G4/20}$$

$$g_{j,k} = (NSS1(g1,1) + NSS1(g1,2) + NSS1(g1,3) + NSS1(g1,4))^2$$

$$DG = 10 \log[(NSS1(g1,1) + NSS1(g1,2) + NSS1(g1,3) + NSS1(g1,4))^2 / N_{ANT}] \Rightarrow 10$$

$$\log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20} + 10^{G4/20})^2 / N_{ANT}]$$

Where ;

$$2.4G \ G1 = 4.2 \text{ dBi} ; G2 = 4.2 \text{ dBi} ; DG = 7.21 \text{ dBi}$$

$$5G \text{ UNII-1} \ G1 = 5.44 \text{ dBi} ; G2 = 5.44 \text{ dBi} ; DG = 8.45 \text{ dBi}$$

$$5G \text{ UNII-2A} \ G1 = 6.18 \text{ dBi} ; G2 = 6.18 \text{ dBi} ; DG = 9.19 \text{ dBi}$$

$$5G \text{ UNII-2C} \ G1 = 5.61 \text{ dBi} ; G2 = 5.61 \text{ dBi} ; DG = 8.62 \text{ dBi}$$

$$5G \text{ UNII-3} \ G1 = 4.53 \text{ dBi} ; G2 = 4.53 \text{ dBi} ; DG = 7.54 \text{ dBi}$$

For 2.4GHz function:

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

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

Port 1~2 could transmit/receive simultaneously.

For 5GHz function:

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

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

Port 1~2 could transmit/receive simultaneously.

For Bluetooth function (1TX/1RX):

Only Port 1 can be used as transmitting/receiving antenna.

**1.1.3 Mode Test Duty Cycle**

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
BT-LE(1Mbps)	0.856	0.68	2.14m	1k
BT-LE(2Mbps)	0.58	2.37	1.083m	1k

Note:

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

1.1.4 EUT Operational Condition

EUT Power Type	From PoE		
Function	☒ Point-to-multipoint	☐ Point-to-point	
Test Software Version	QRCT(version 4.0.170.1)		
Support Mode	☒ LE 1M PHY: 1 Mb/s		
	☐ LE Coded PHY (S=2): 500 Kb/s		
	☐ LE Coded PHY (S=8): 125 Kb/s		
	☒ LE 2M PHY: 2 Mb/s		

Note: The above information was declared by manufacturer.

1.1.5 Table for Radio function

Radio \ Function	WLAN 2.4GHz	WLAN 5GHz	Bluetooth
1	V	V	-
2	-	-	V

Note: The above information was declared by manufacturer.

1.1.6 Table for Multiple Listing

The model names in the following table are all refer to the identical product.

EUT	Model	WLAN 2.4/5GHz Antenna	SMA to IPEX cable	Component (0ohm (0201))	Component 49.9ohm (0201)
1	RAP750E-S	Internal antenna	Without	Quantity: 2 Location: CR185, CR52	Quantity: 2 Location: CR393, CR394
2	RAP750E-H	External antenna	With	Quantity: 4 Location: CR186, CR183, CR51, CR184	Without

Note 1: From the above EUTs, EUT 2 was selected to test all items, and EUT 1 was selected to test items including AC power-line conducted emissions, Radiated Emission below 1GHz only.

Note 2: 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 15.247
- ♦ ANSI C63.10-2020

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 (TAF: 3787)	ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.) 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	22.2~23.4 / 61~64	Oct. 21, 2025~ Nov. 10, 2025
Radiated (Below 1GHz)	03CH05-CB	RJ Huang	21.5~22.9 / 57~60	Nov. 28, 2025
Radiated (Above 1GHz)	03CH04-CB	Stim Sung	22.1~23.1 / 59~62	Sep. 22, 2025~ Nov. 07, 2025
AC Conduction	CO01-CB	Allen Chung	22~23 / 58~59	Oct. 03, 2025

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)	3.8 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.8 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.7 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	2.5 dB	Confidence levels of 95%
Output Power Measurement	1.3 dB	Confidence levels of 95%
Power Density Measurement	2.0 dB	Confidence levels of 95%
Bandwidth Measurement	1.0 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode
BT-LE(1Mbps)
2402MHz
2440MHz
2480MHz
BT-LE(2Mbps)
2402MHz
2440MHz
2480MHz

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	EUT 1 + PoE
2	EUT 2 + PoE
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
1	EUT 2



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
	After evaluating, and the worst case was found at Y axis, so it was selected to perform test and its test result was written in the report.
1	EUT 1 in Y axis + WLAN 2.4GHz + PoE
2	EUT 1 in Y axis + WLAN 5GHz + PoE
3	EUT 1 in Y axis + Bluetooth + PoE
4	EUT 2 in Y axis + WLAN 2.4GHz + PoE
5	EUT 2 in Y axis + WLAN 5GHz + PoE
6	EUT 2 in Y axis + Bluetooth + PoE
For operating mode 4 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
	After evaluating, and the worst case was found at Y axis, so it was selected to perform test and its test result was written in the report.
1	EUT 2 in Y axis

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	EUT 1 + WLAN 2.4GHz + WLAN 5GHz + Bluetooth
2	EUT 2 + WLAN 2.4GHz + WLAN 5GHz + Bluetooth
Refer to Sporton Test Report No.: FA582738 for Co-location RF Exposure Evaluation.	

Note: The PoE is for measurement only, would not be marketed.

PoE information as below:

Power	Brand	Model
PoE	Delta	ADH-65AR P

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

Accessories
Grounding Wire*1: Shielded, 0.35m
Wall Bracket 1*1
Wall Bracket 2*1
Sealing Collar*1

Note: Wall Bracket 1 is for EUT 1 used only and Wall Bracket 2 is for EUT 2 used only.

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	PC	ASUS	S300TA	TX2-RTL8821CE
B	2.4G NB	DELL	E6430	N/A
C	5G NB	DELL	E6430	N/A
D	PoE	Delta	ADH-65AR P	N/A
E	Smart phone	Redmi	M1810F6LH	2AFZZ-RMSF6LG

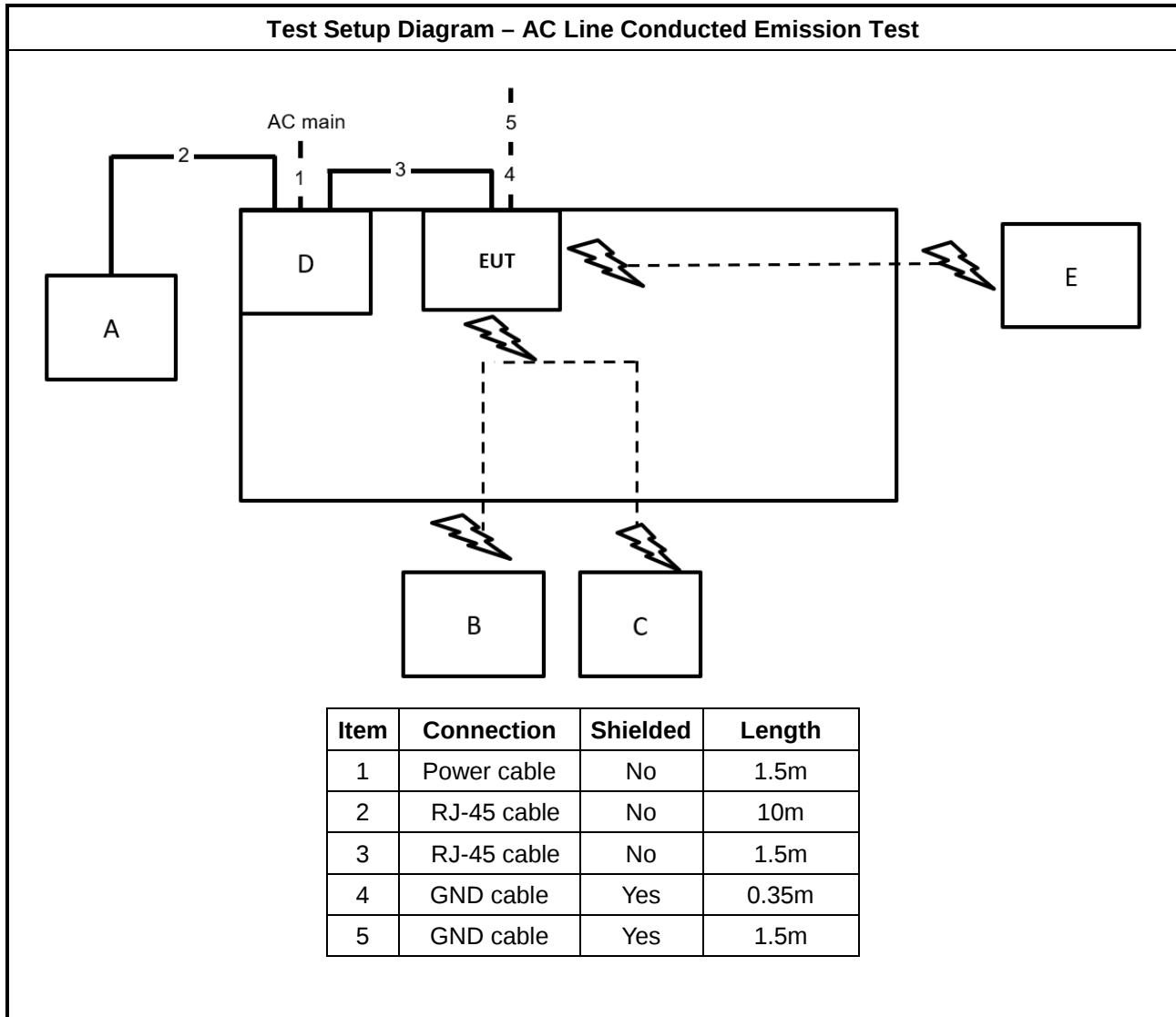
For Radiated:

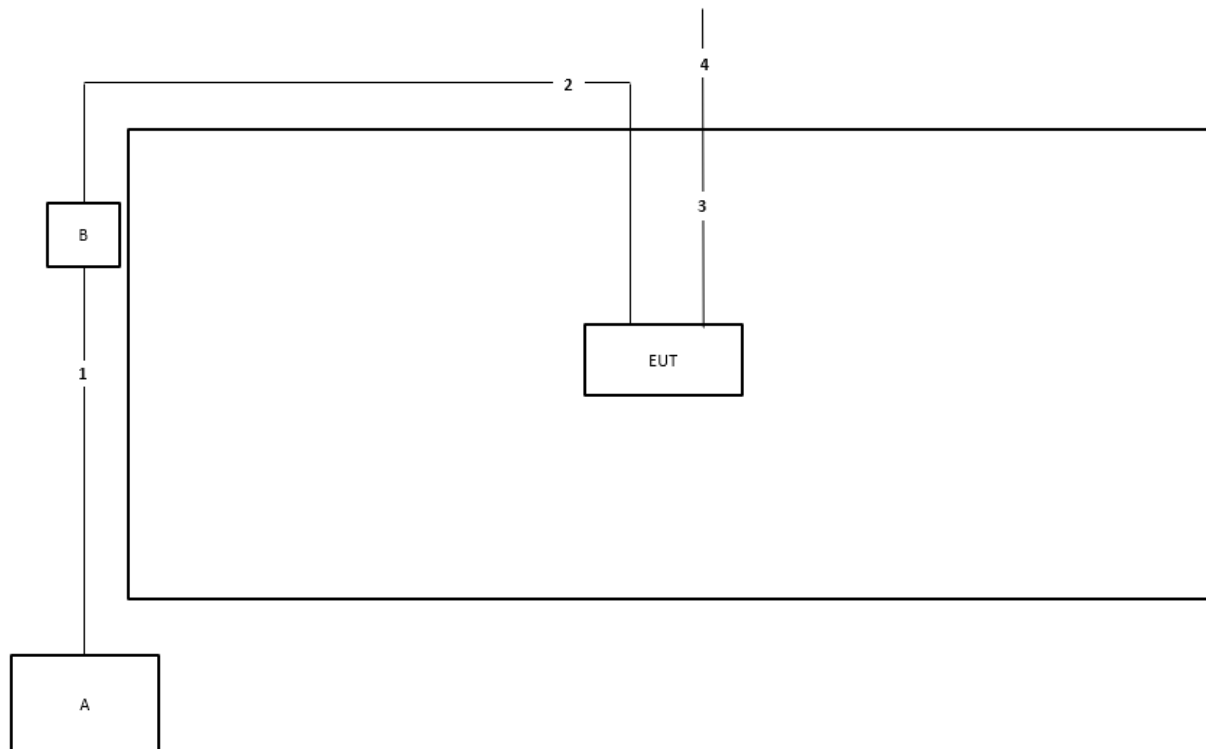
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	PoE	Delta	ADH-65AR P	N/A

For RF Conducted:

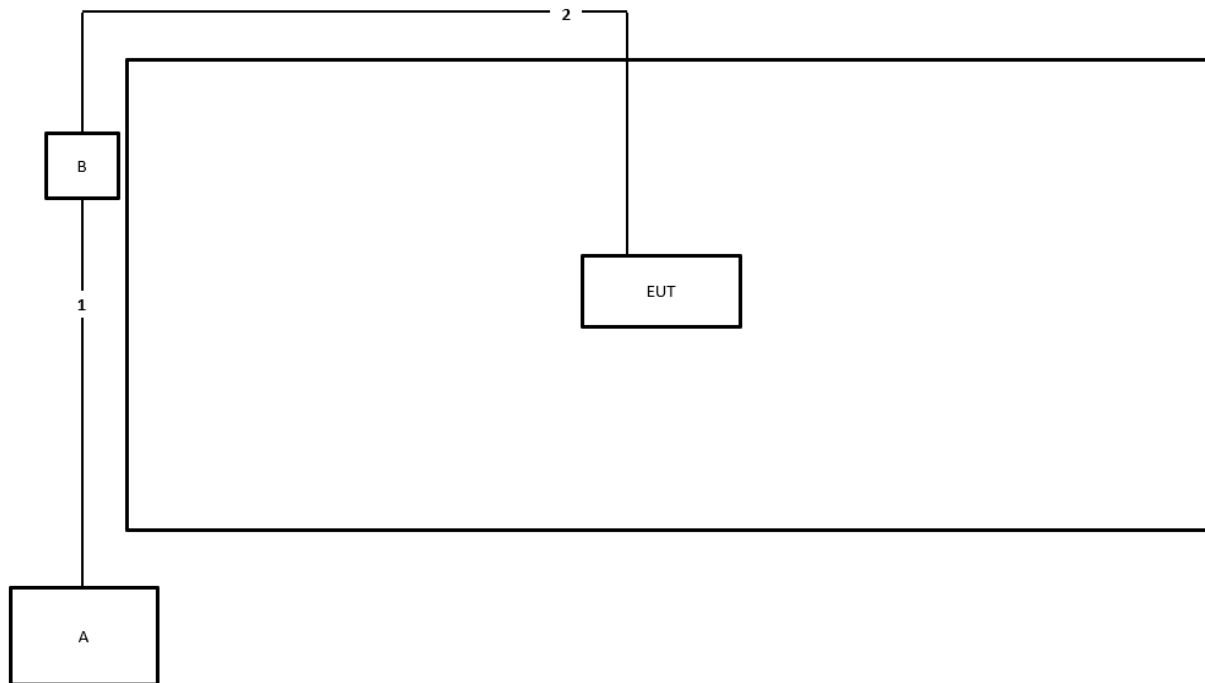
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	Device	SonicFi	RAP750E-H	N/A
C	PoE	Delta	ADH-65AR P	N/A
D	NB	DELL	E4300	N/A

2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test < 1GHz


Item	Connection	Shielded	Length
1	RJ-45 cable	No	1.5m
2	RJ-45 cable	No	10m
3	GND cable	Yes	0.35m
4	GND cable	Yes	1.5m

Test Setup Diagram - Radiated Test > 1GHz


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

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

Note 1: * Decreases with the logarithm of the frequency.

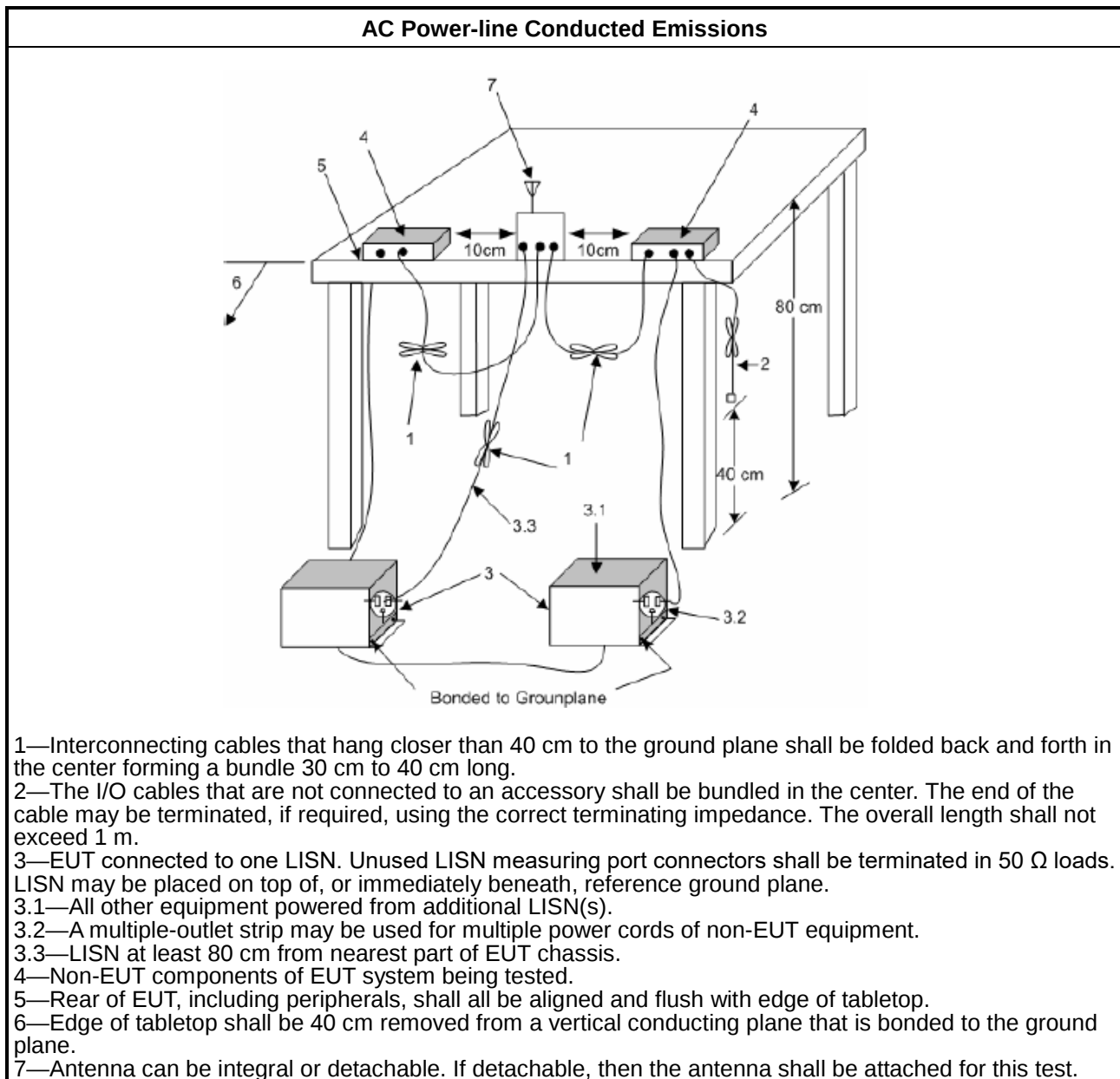
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method
▪ Refer as ANSI C63.10-2020, clause 6.2 for AC power-line conducted emissions.

3.1.4 Test Setup



1.1.1. 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

3.1.5 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.

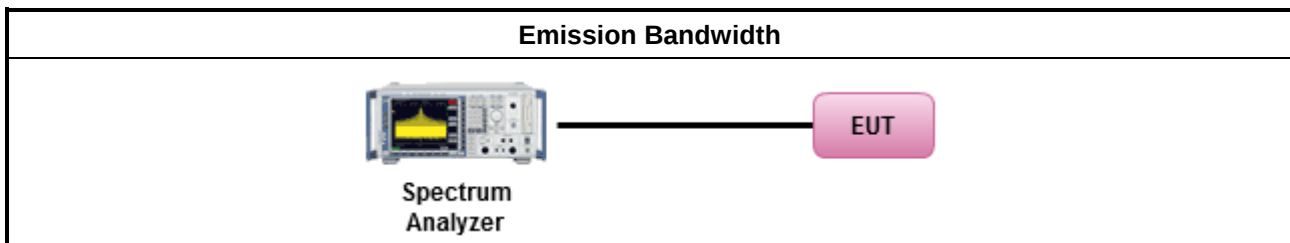
3.2.2 Measuring Instruments

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.	

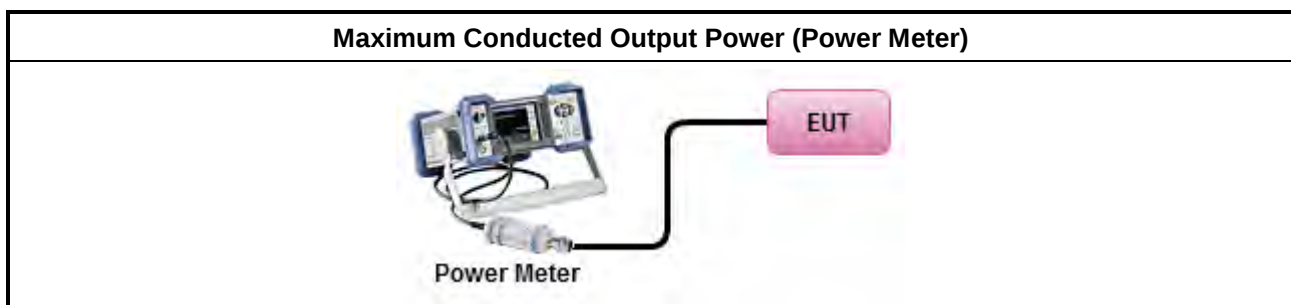
3.3.2 Measuring Instruments

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

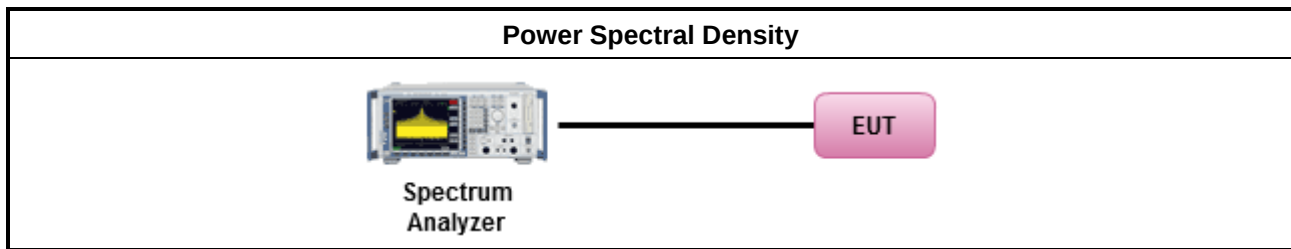
3.4.2 Measuring Instruments

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. [duty cycle $\geq 98\%$ or external video / power trigger]
▪ 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.	

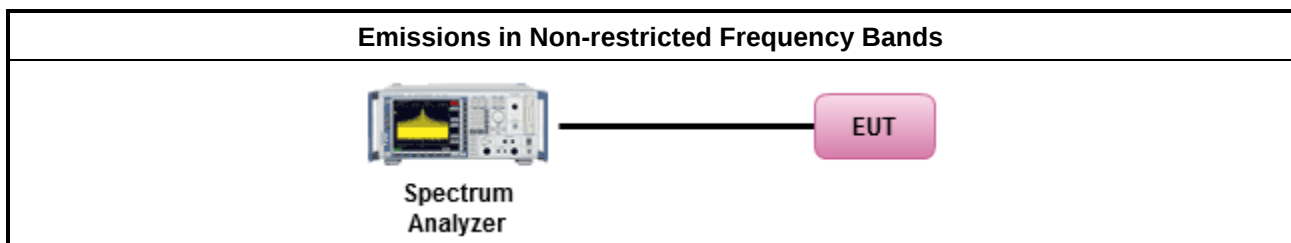
3.5.2 Measuring Instruments

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

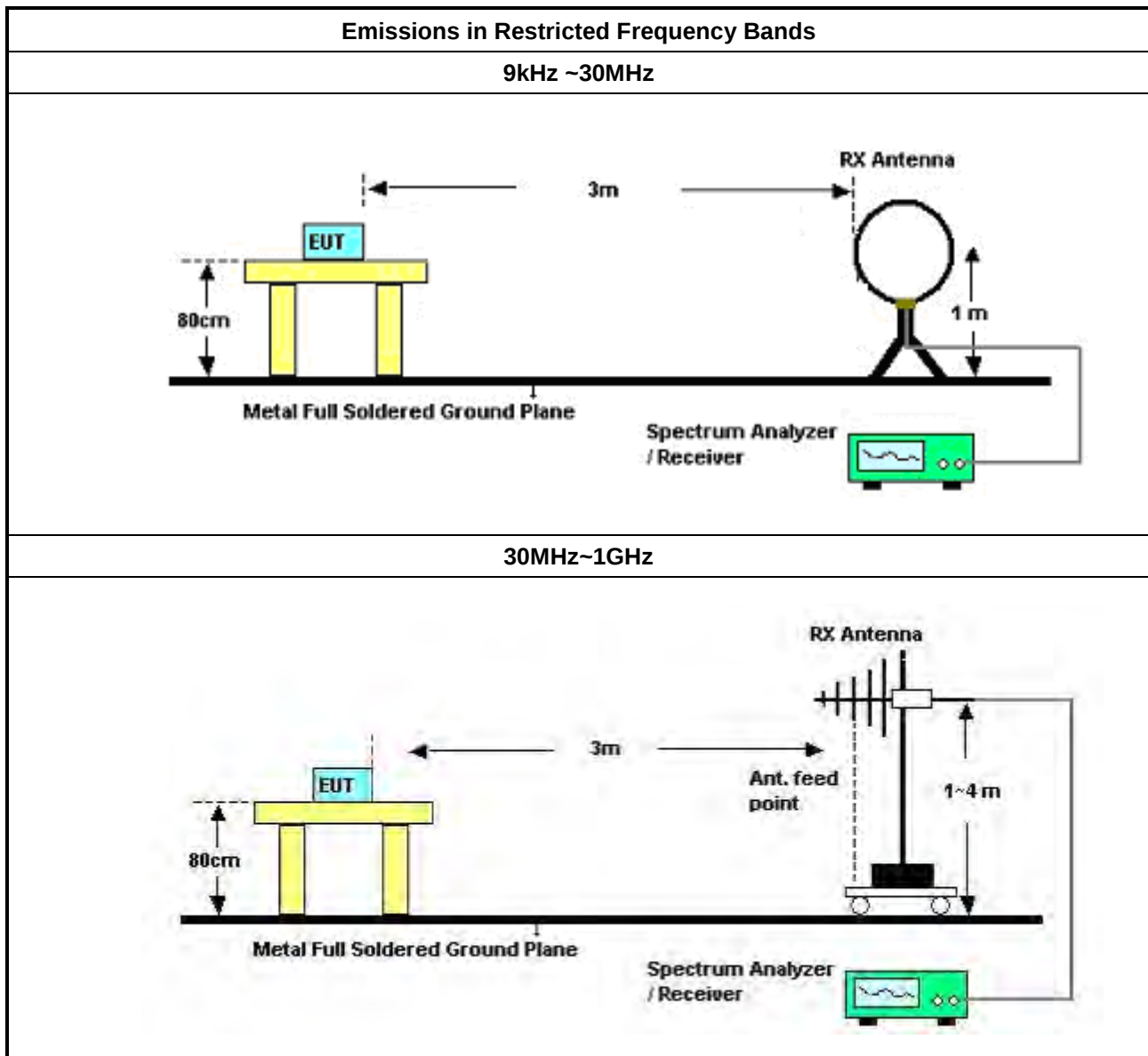
Refer a test equipment and calibration data table in this test report.

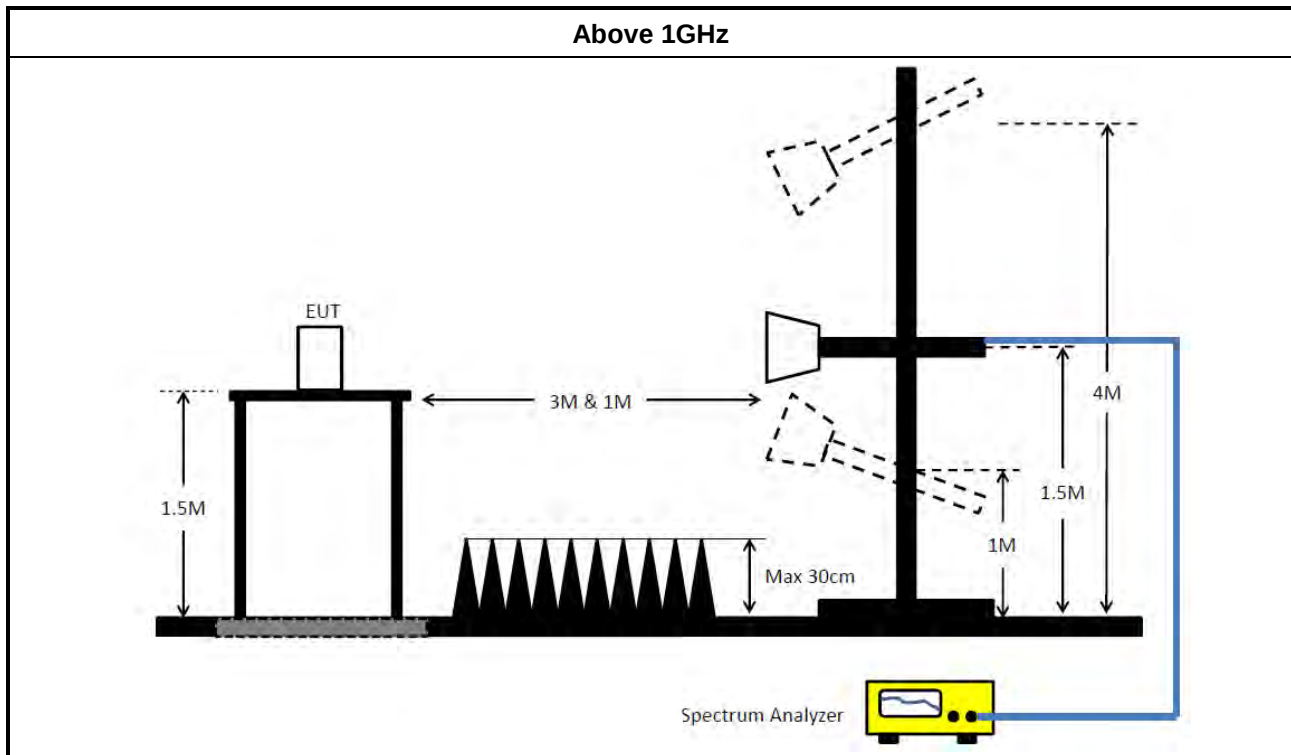


3.6.3 Test Procedures

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
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Mar. 06, 2025	Mar. 05, 2026	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 18, 2025	Feb. 17, 2026	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	May 10, 2025	May 09, 2026	Conduction (CO01-CB)
Pulse Limiter	Rohde& Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Sep. 14, 2025	Sep. 13, 2026	Conduction (CO01-CB)
COND Cable	Woken	Cable	CO01	9kHz ~ 30MHz	Sep. 14, 2025	Sep. 13, 2026	Conduction (CO01-CB)
Test Software	SPORTON	SENSE-EMI	V5.11	150kHz-30MHz	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6121	65417	9kHz - 30MHz	Oct. 20, 2025	Oct. 19, 2026	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Jul. 31, 2025	Jul. 30, 2026	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCi	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 22, 2025	Mar. 21, 2026	Radiation (03CH05-CB)
Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	May 01, 2025	Apr. 30, 2026	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Apr. 21, 2025	Apr. 20, 2026	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESR7	102172	9kHz ~ 7GHz	Oct. 29, 2025	Oct. 28, 2026	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Sep. 25, 2025	Sep. 24, 2026	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE-EMI	V5.11.10	30MHz-40GHz	N.C.R.	N.C.R.	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 21, 2025	Feb. 20, 2026	Radiation (03CH04-CB)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120D-01816	1GHz~18GHz	Dec. 20, 2024	Dec. 19, 2025	Radiation (03CH04-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Aug. 22, 2025	Aug. 21, 2026	Radiation (03CH04-CB)
Pre-Amplifier	SGH	SGH5265	20211115-1	1~ 26.5GHz	Jan. 16, 2025	Jan. 15, 2026	Radiation (03CH04-CB)
Pre-Amplifier	SGH	SGH5265	20240911-1	1~ 26.5GHz	Sep. 18, 2025	Sep. 17, 2026	Radiation (03CH04-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 25, 2024	Nov. 24, 2025	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Mar. 24, 2025	Mar. 23, 2026	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Apr. 25, 2025	Apr. 24, 2026	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Apr. 25, 2025	Apr. 24, 2026	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Apr. 30, 2025	Apr. 29, 2026	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE-1524 7_FS	V5.11.27	2.4GHz-2.4835GHz	N.C.R.	N.C.R.	Radiation (03CH04-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Sep. 03, 2025	Sep. 02, 2026	Conducted (TH02-CB)
Power Sensor	Anritsu	MA2411B	1531343	300MHz~40GHz	Aug. 29, 2025	Aug. 28, 2026	Conducted (TH02-CB)
Power Meter	Anritsu	ML2495A	1728001	300MHz~40GHz	Aug. 29, 2025	Aug. 28, 2026	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1 GHz – 18 GHz	Sep. 30, 2025	Sep. 29, 2026	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz – 18 GHz	Sep. 30, 2025	Sep. 29, 2026	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-03	1 GHz – 18 GHz	Sep. 30, 2025	Sep. 29, 2026	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-04	1 GHz – 18 GHz	Sep. 30, 2025	Sep. 29, 2026	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-05	1 GHz – 18 GHz	Sep. 30, 2025	Sep. 29, 2026	Conducted (TH02-CB)
Switch	SPTCB	SP-SWI	SWI-02	1–18 GHz	Sep. 20, 2025	Sep. 19, 2026	Conducted (TH02-CB)
Test Software	SPORTON	SENSE-1524 7_FS	V5.11.27	2.4GHz-2.4835GHz	N.C.R.	N.C.R.	Conducted (TH02-CB)

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

NCR means Non-Calibration required.



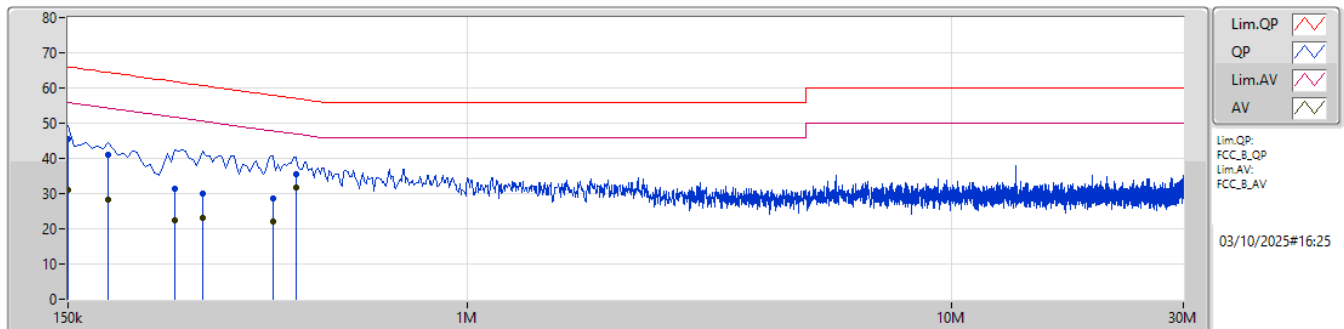
Conducted Emissions at Powerline

Appendix A

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	442.5k	31.86	47.01	-15.15	Line

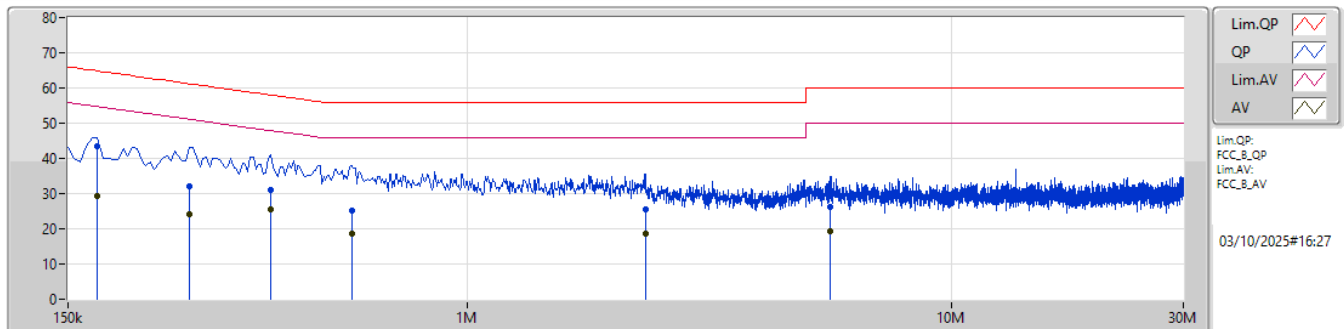
Mode 1



03/10/2025#16:25

Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	150k	45.53	66.00	-20.47	10.04	Line	-	35.49	0.05	0.08	9.91						
AV	150k	30.93	56.00	-25.07	10.04	Line	-	20.89	0.05	0.08	9.91						
QP	181.5k	41.09	64.41	-23.32	10.07	Line	-	31.02	0.06	0.07	9.94						
AV	181.5k	28.35	54.41	-26.06	10.07	Line	-	18.28	0.06	0.07	9.94						
QP	249k	31.26	61.79	-30.53	10.12	Line	-	21.14	0.06	0.08	9.98						
AV	249k	22.26	51.79	-29.53	10.12	Line	-	12.14	0.06	0.08	9.98						
QP	285k	30.16	60.67	-30.51	10.15	Line	-	20.01	0.05	0.09	10.01						
AV	285k	22.99	50.67	-27.68	10.15	Line	-	12.84	0.05	0.09	10.01						
QP	397.5k	28.66	57.91	-29.25	10.21	Line	-	18.45	0.05	0.10	10.06						
AV	397.5k	21.90	47.91	-26.01	10.21	Line	-	11.69	0.05	0.10	10.06						
QP	442.5k	35.52	57.01	-21.49	10.22	Line	-	25.30	0.05	0.10	10.07						
AV	442.5k	31.86	47.01	-15.15	10.22	Line	"Worst"	21.64	0.05	0.10	10.07						

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	172.5k	43.31	64.83	-21.52	10.08	Neutral	"Worst"	33.23	0.08	0.07	9.93						
AV	172.5k	29.23	54.83	-25.60	10.08	Neutral	-	19.15	0.08	0.07	9.93						
QP	267k	32.07	61.20	-29.13	10.16	Neutral	-	21.91	0.08	0.08	10.00						
AV	267k	24.29	51.20	-26.91	10.16	Neutral	-	14.13	0.08	0.08	10.00						
QP	393k	31.01	58.01	-27.00	10.24	Neutral	-	20.77	0.08	0.10	10.06						
AV	393k	25.66	48.01	-22.35	10.24	Neutral	-	15.42	0.08	0.10	10.06						
QP	577.5k	25.29	56.00	-30.71	10.28	Neutral	-	15.01	0.08	0.10	10.10						
AV	577.5k	18.45	46.00	-27.55	10.28	Neutral	-	8.17	0.08	0.10	10.10						
QP	2.328M	25.59	56.00	-30.41	10.20	Neutral	-	15.39	0.12	0.14	9.94						
AV	2.328M	18.70	46.00	-27.30	10.20	Neutral	-	8.50	0.12	0.14	9.94						
QP	5.618M	26.21	60.00	-33.79	10.22	Neutral	-	15.99	0.20	0.15	9.87						
AV	5.618M	19.14	50.00	-30.86	10.22	Neutral	-	8.92	0.20	0.15	9.87						

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
BT-LE(1Mbps)	710k	1.047M	1M05F1D	707.5k	1.044M
BT-LE(2Mbps)	1.135M	2.098M	2M10F1D	1.133M	2.087M

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

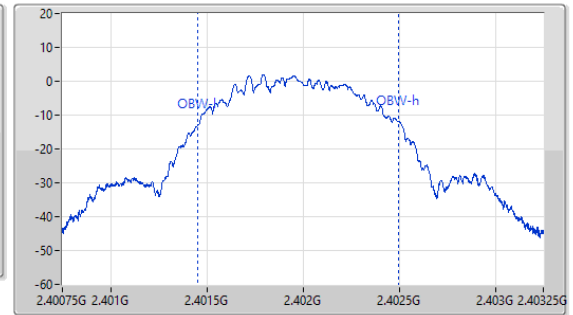
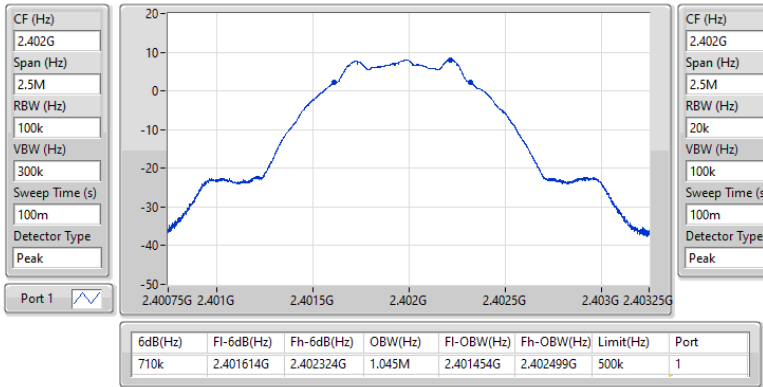
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	500k	710k	1.045M
2440MHz	Pass	500k	707.5k	1.047M
2480MHz	Pass	500k	708.75k	1.044M
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	500k	1.133M	2.087M
2440MHz	Pass	500k	1.133M	2.092M
2480MHz	Pass	500k	1.135M	2.098M

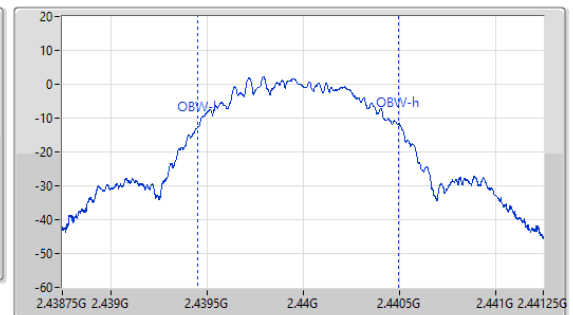
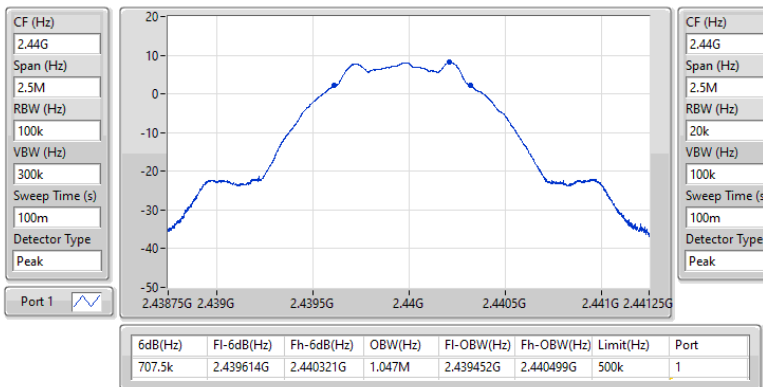
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_BT-LE(1Mbps)
EBW-DTS
2402MHz

11/11/2025

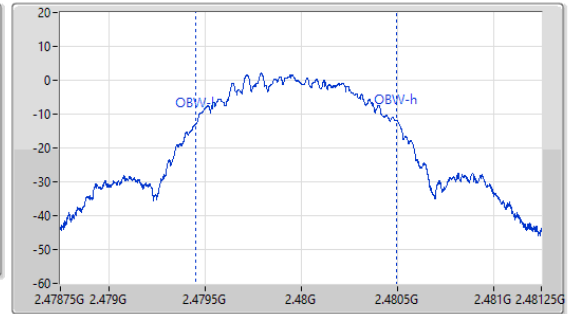
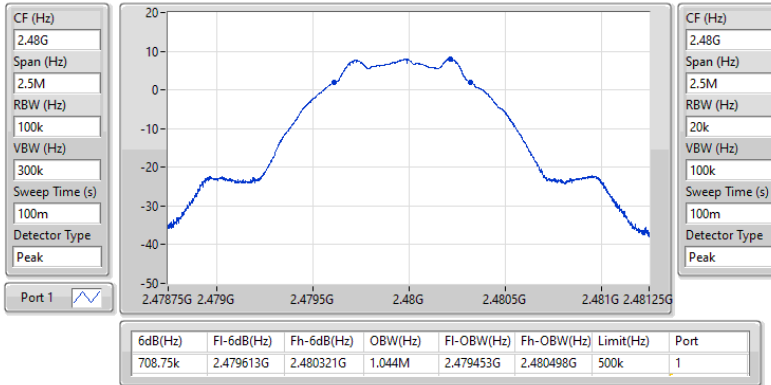

2.4-2.4835GHz_BT-LE(1Mbps)
EBW-DTS
2440MHz

11/11/2025

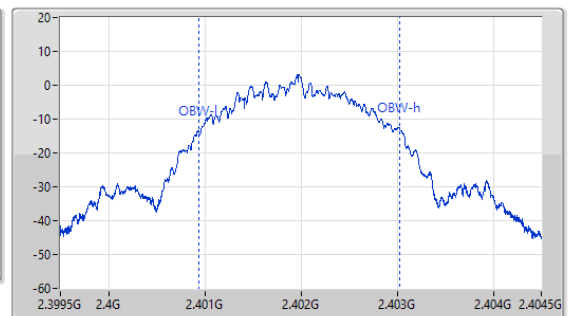
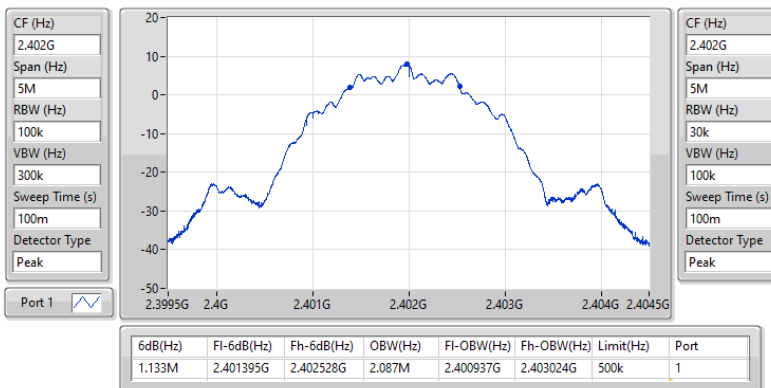


2.4-2.4835GHz_BT-LE(1Mbps)
EBW-DTS
2480MHz

11/11/2025

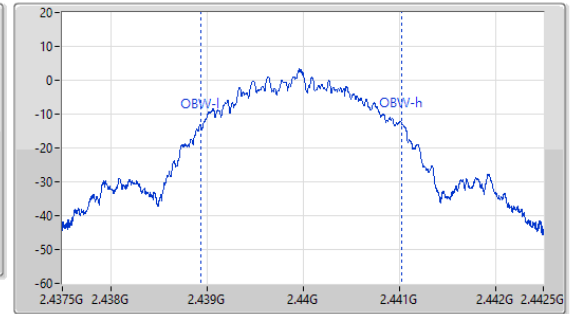
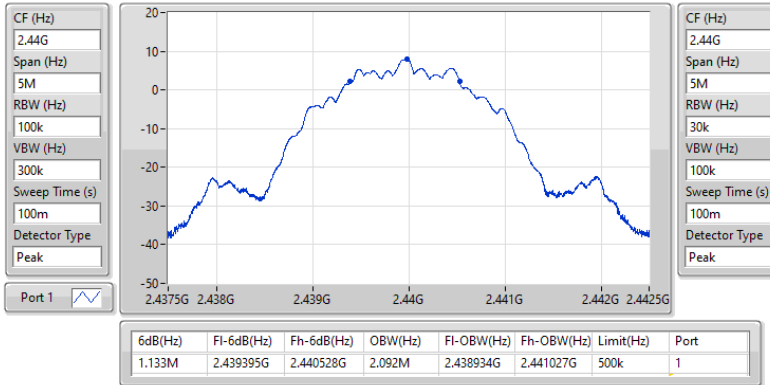

2.4-2.4835GHz_BT-LE(2Mbps)
EBW-DTS
2402MHz

11/11/2025

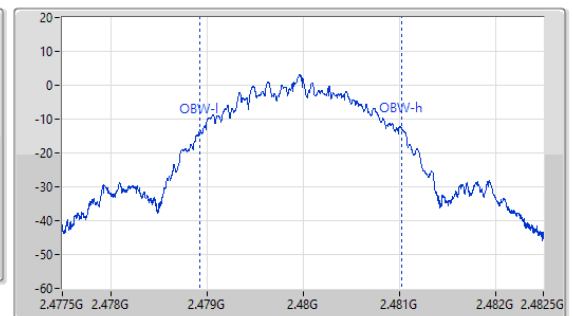
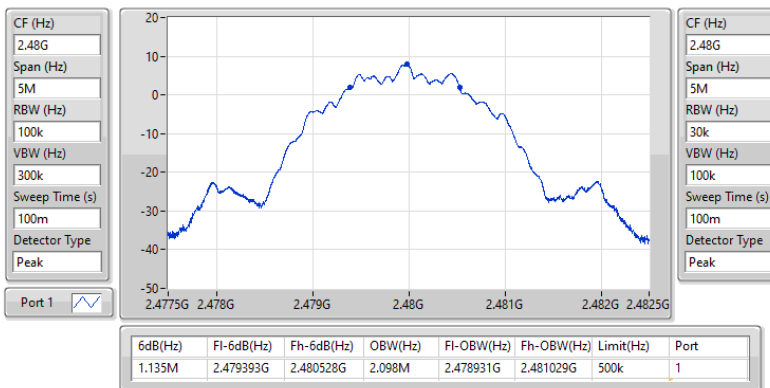


2.4-2.4835GHz_BT-LE(2Mbps)
EBW-DTS
2440MHz

11/11/2025


2.4-2.4835GHz_BT-LE(2Mbps)
EBW-DTS
2480MHz

11/11/2025





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)	8.56	0.00718
BT-LE(2Mbps)	8.51	0.00710

**Result**

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	2.32	8.48	30.00
2440MHz	Pass	2.32	8.56	30.00
2480MHz	Pass	2.32	8.41	30.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	2.32	8.45	30.00
2440MHz	Pass	2.32	8.51	30.00
2480MHz	Pass	2.32	8.38	30.00

DG = Directional Gain; Port X = Port X output power;
Inf = There's no restriction for the limit.



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
BT-LE(1Mbps)	-7.52
BT-LE(2Mbps)	-8.97

RBW = 3kHz;

Result

Mode	Result	DG (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	2.32	-7.65	8.00
2440MHz	Pass	2.32	-7.52	8.00
2480MHz	Pass	2.32	-7.72	8.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	2.32	-8.97	8.00
2440MHz	Pass	2.32	-9.08	8.00
2480MHz	Pass	2.32	-9.26	8.00

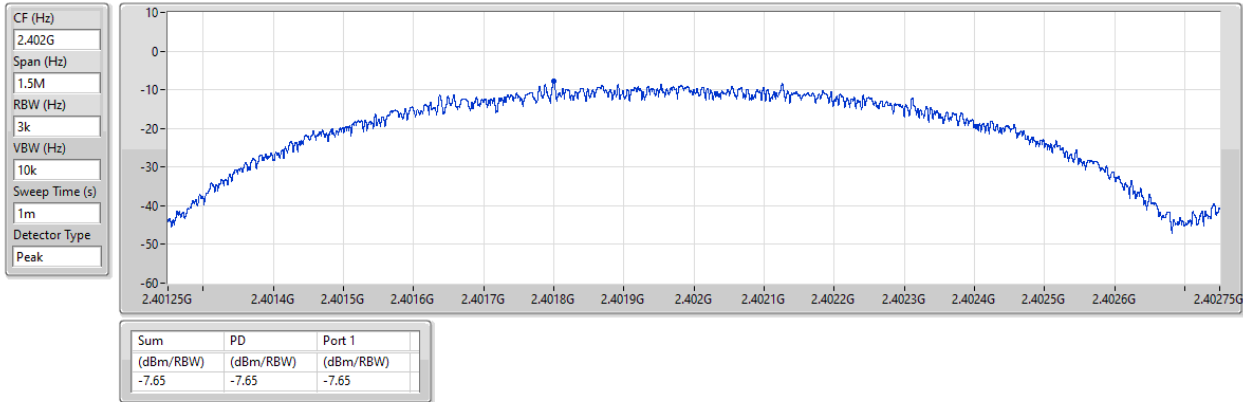
DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
Inf = There's no restriction for the limit.

2.4-2.4835GHz_BT-LE(1Mbps)

PSD

2402MHz

20/10/2025

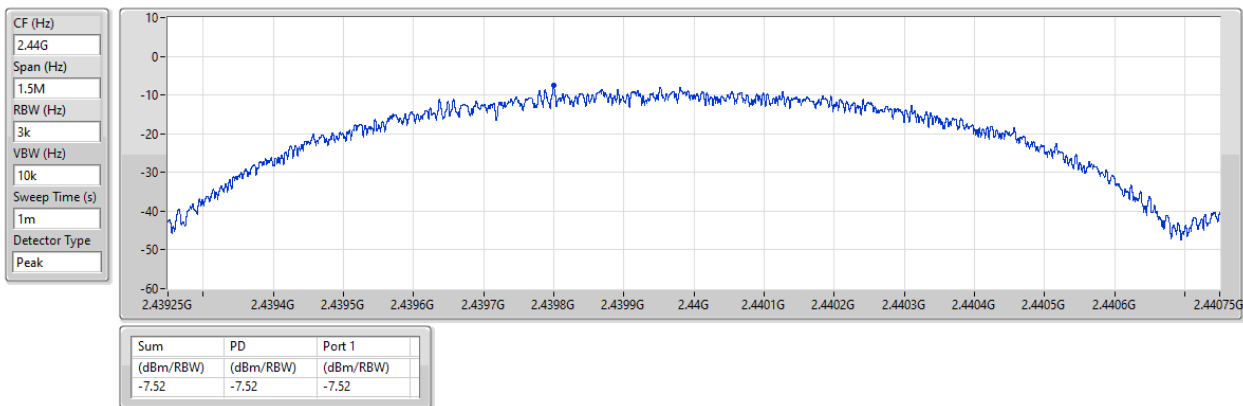


2.4-2.4835GHz_BT-LE(1Mbps)

PSD

2440MHz

20/10/2025

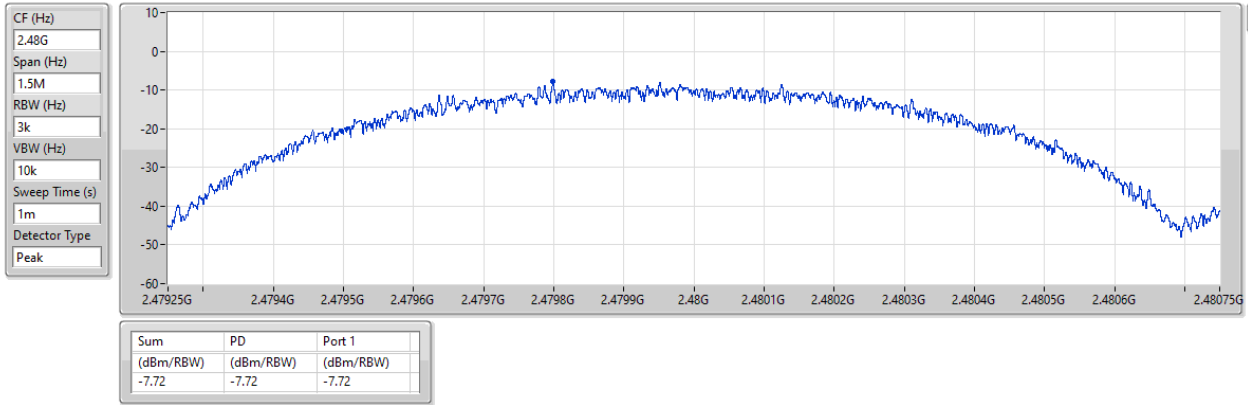


2.4-2.4835GHz_BT-LE(1Mbps)

PSD

2480MHz

20/10/2025

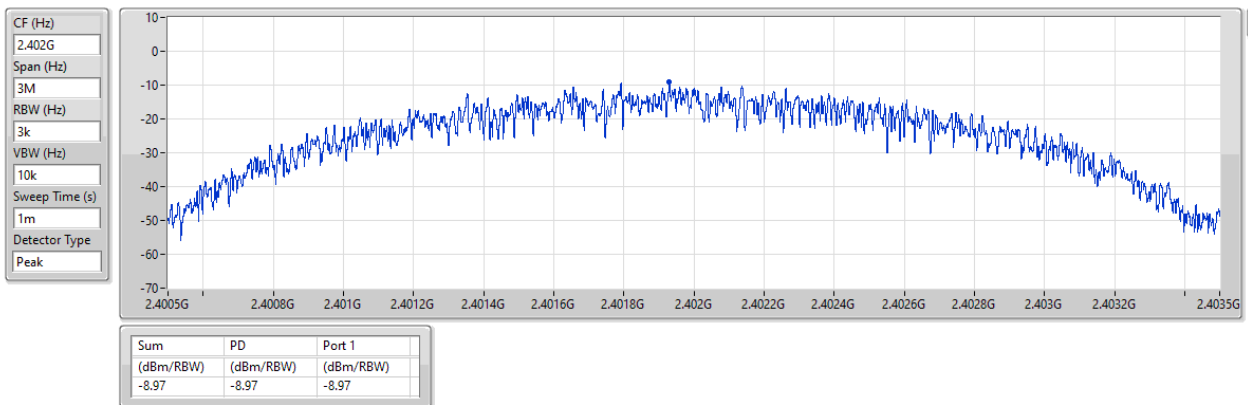


2.4-2.4835GHz_BT-LE(2Mbps)

PSD

2402MHz

20/10/2025

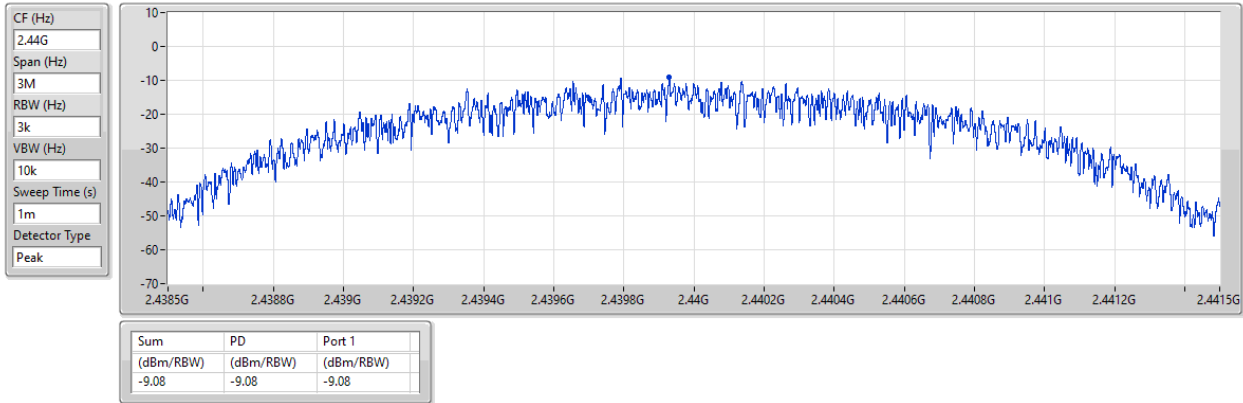


2.4-2.4835GHz_BT-LE(2Mbps)

PSD

2440MHz

20/10/2025

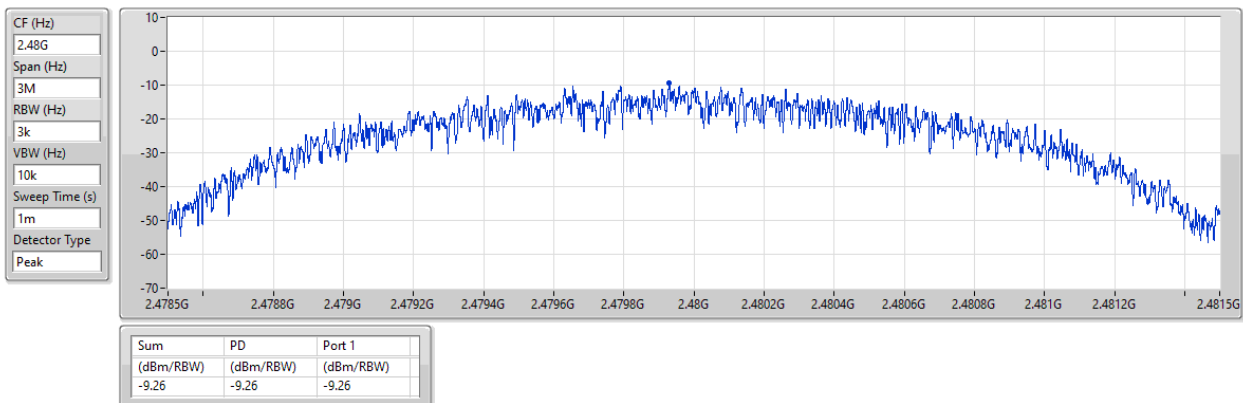


2.4-2.4835GHz_BT-LE(2Mbps)

PSD

2480MHz

20/10/2025



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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	2.44025G	7.92	-22.08	98.15M	-52.62	2.39952G	-44.31	2.4G	-44.67	2.50282G	-54.32	21.63959G	-45.21	1
BT-LE(2Mbps)	Pass	2.43991G	7.41	-22.59	40.58M	-52.56	2.4G	-23.33	2.4G	-24.24	2.50218G	-53.91	21.40618G	-44.94	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
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.44025G	7.92	-22.08	98.15M	-52.62	2.39952G	-44.31	2.4G	-44.67	2.50282G	-54.32	21.63959G	-45.21	1
2440MHz	Pass	2.44025G	7.92	-22.08	122.83M	-53.00	2.39816G	-52.74	2.4G	-56.26	2.50002G	-53.47	21.99953G	-45.49	1
2480MHz	Pass	2.44025G	7.92	-22.08	2.18495G	-52.78	2.395G	-53.68	2.4G	-54.38	2.50062G	-53.82	21.52991G	-45.36	1
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.43991G	7.41	-22.59	40.58M	-52.56	2.4G	-23.33	2.4G	-24.24	2.50218G	-53.91	21.40618G	-44.94	1
2440MHz	Pass	2.43991G	7.41	-22.59	2.05453G	-52.36	2.39636G	-53.10	2.4G	-55.79	2.5017G	-53.15	21.73801G	-45.52	1
2480MHz	Pass	2.43991G	7.41	-22.59	2.30833G	-53.05	2.39348G	-52.83	2.4G	-55.83	2.50002G	-54.18	6.96624G	-44.64	1

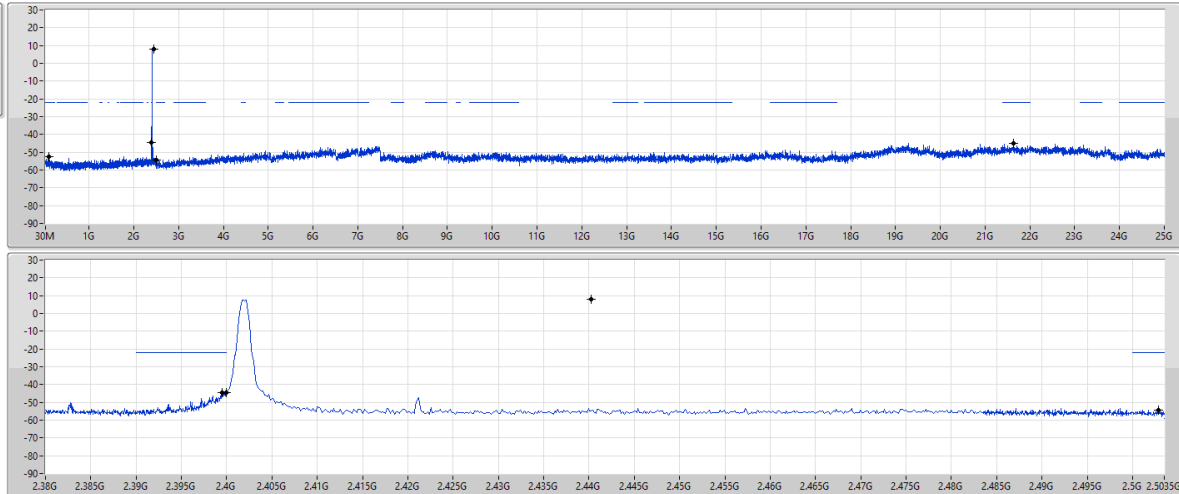
2.4-2.4835GHz_BT-LE(1Mbps)

CSEndB-DTS

2402MHz

11/11/2025

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
2.44025G	7.92	-22.08	98.15M	-52.62	2.39952G	-44.31	2.4G	-44.67	2.50282G	-54.32	21.63959G	-45.21	1

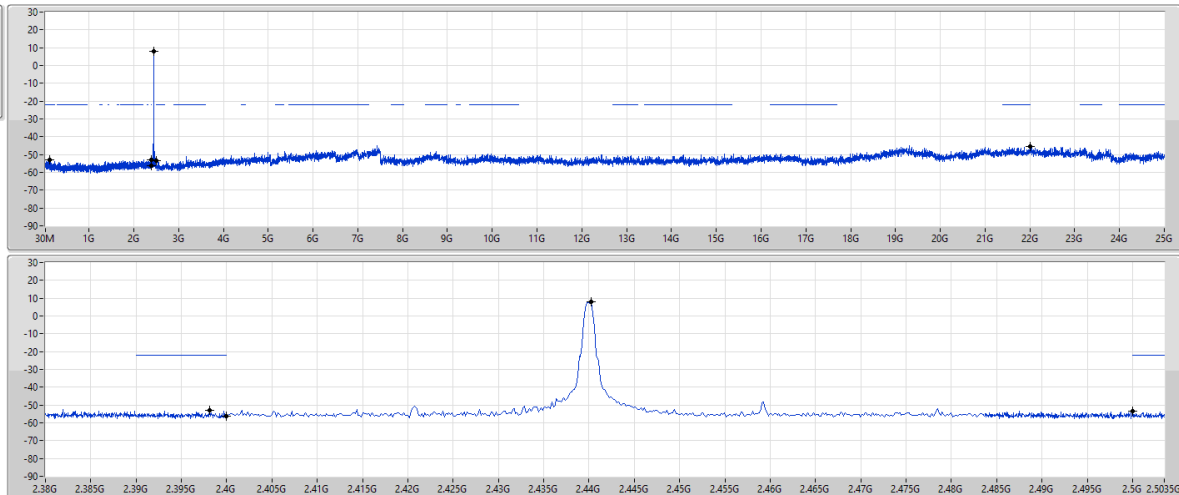
2.4-2.4835GHz_BT-LE(1Mbps)

CSEndB-DTS

2440MHz

11/11/2025

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



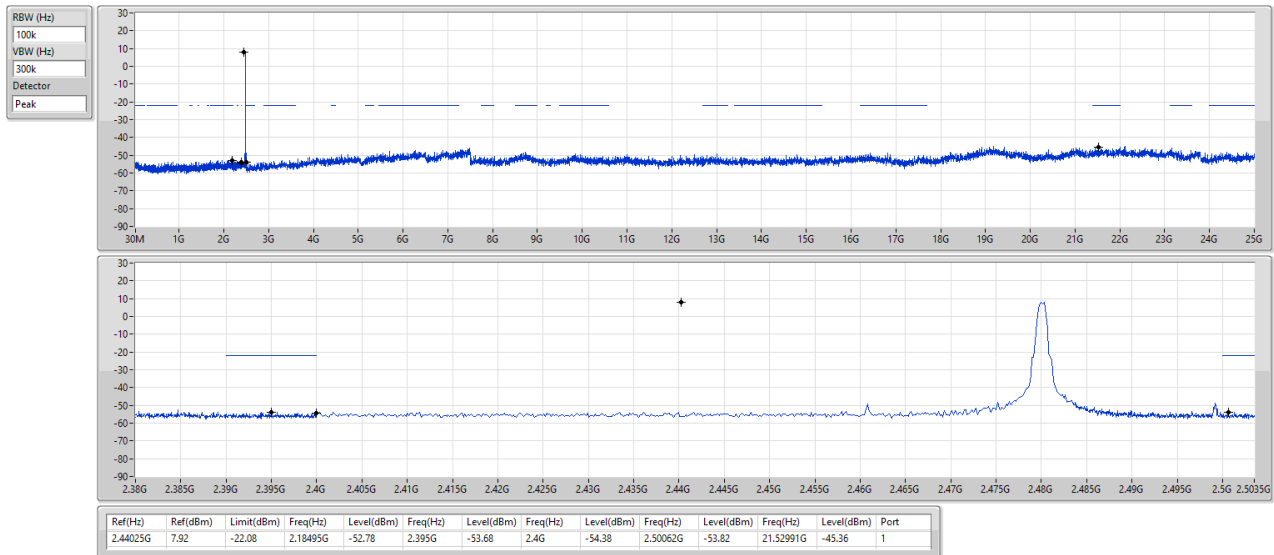
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44025G	7.92	-22.08	122.83M	-53.00	2.39816G	-52.74	2.4G	-56.26	2.50002G	-53.47	21.99953G	-45.49	1

2.4-2.4835GHz_BT-LE(1Mbps)

CSEndB-DTS

2480MHz

11/11/2025

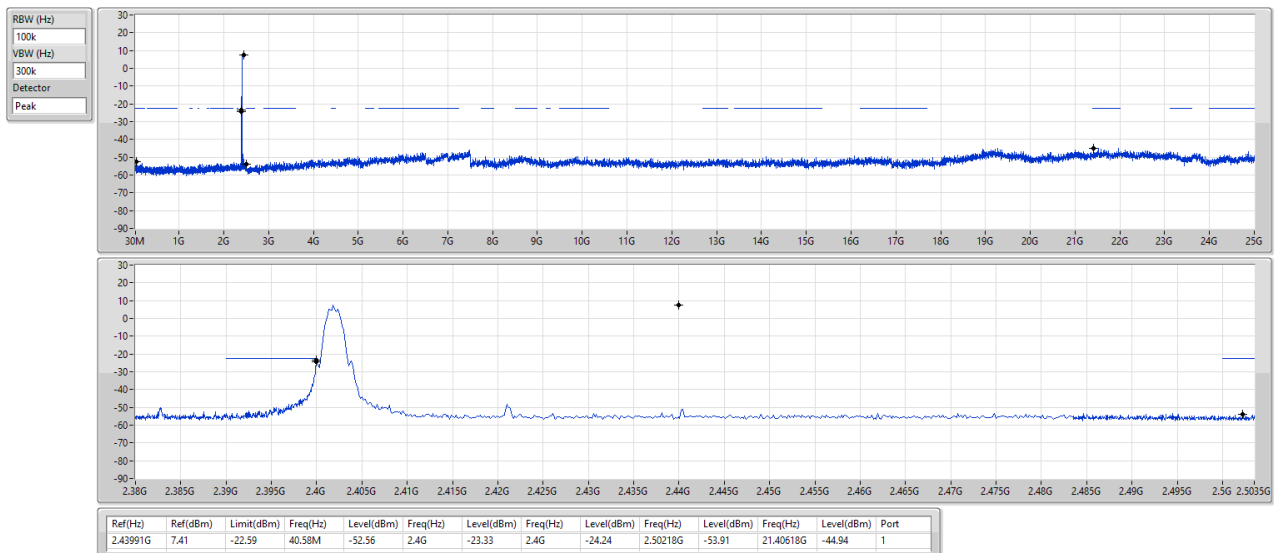


2.4-2.4835GHz_BT-LE(2Mbps)

CSEndB-DTS

2402MHz

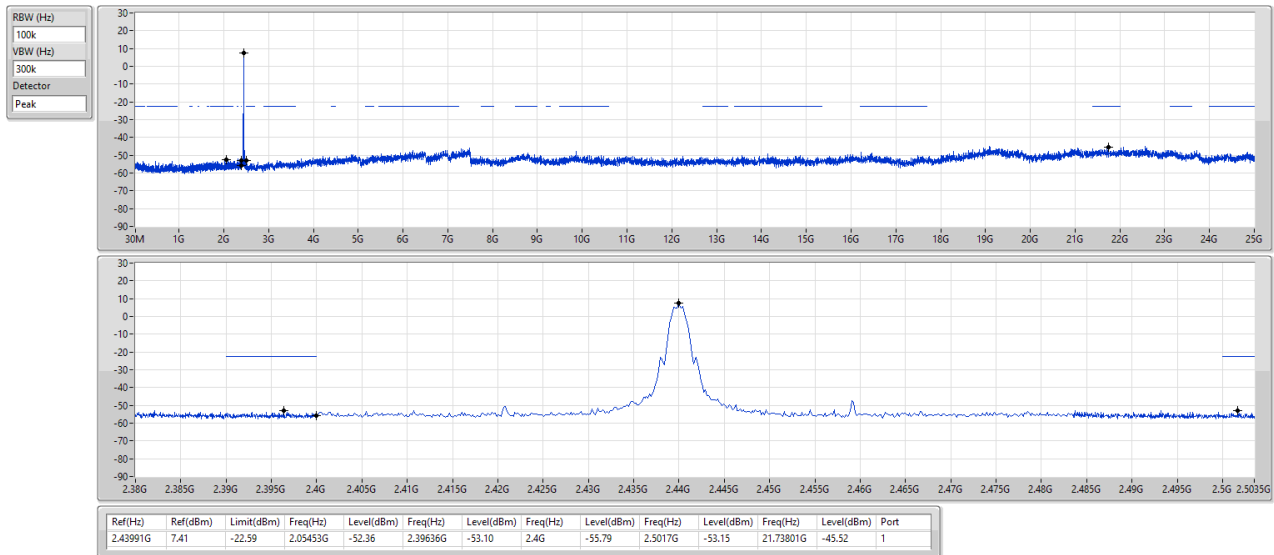
11/11/2025



2.4-2.4835GHz_BT-LE(2Mbps)

CSEndB-DTS

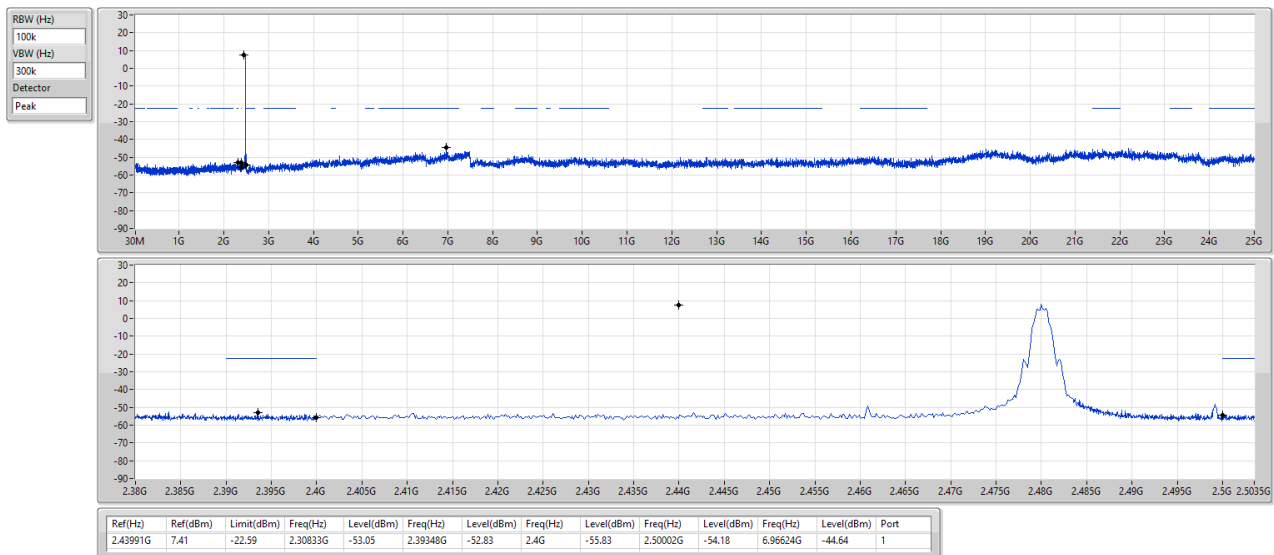
2440MHz



2.4-2.4835GHz_BT-LE(2Mbps)

CSEndB-DTS

2480MHz





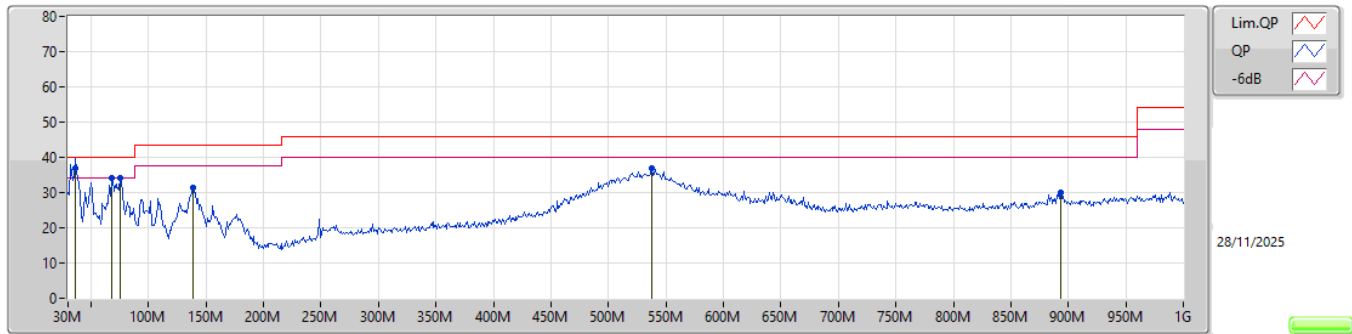
Radiated Emissions below 1GHz

Appendix F.1

Summary

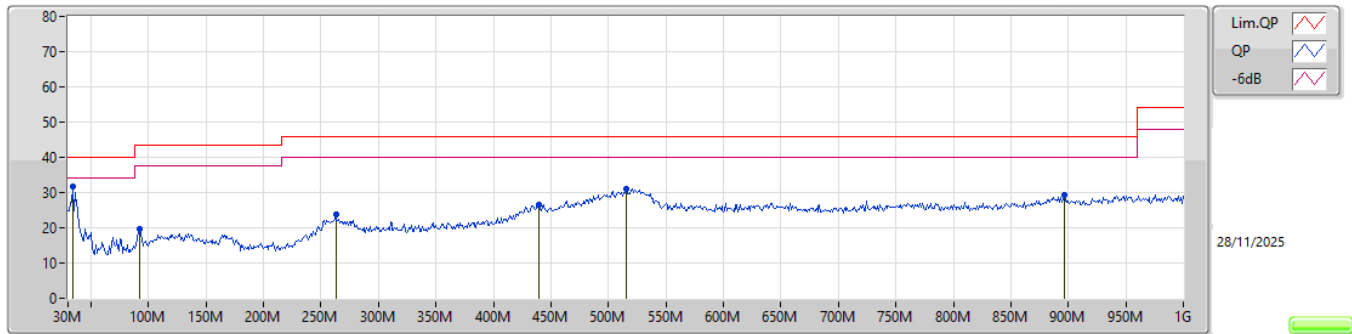
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 4	Pass	QP	36.79M	36.92	40.00	-3.08	Vertical

Mode 4



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)		
QP	36.79M	36.92	40.00	-3.08	-10.69	3	Vertical	6	1.00	"Worst"	47.61	20.51	0.57	31.77		
PK	67.83M	34.03	40.00	-5.97	-18.88	3	Vertical	115	1.00	-	52.91	12.30	0.79	31.97		
PK	75.59M	34.04	40.00	-5.96	-18.52	3	Vertical	120	1.00	-	52.56	12.65	0.82	31.99		
PK	138.64M	31.44	43.50	-12.06	-13.77	3	Vertical	0	1.00	-	45.21	17.22	1.13	32.12		
PK	537.31M	36.84	46.00	-9.16	-5.91	3	Vertical	183	1.00	-	42.75	24.06	2.35	32.32		
PK	893.3M	29.94	46.00	-16.06	-2.95	3	Vertical	308	1.00	-	32.89	26.45	3.14	32.54		

Mode 4



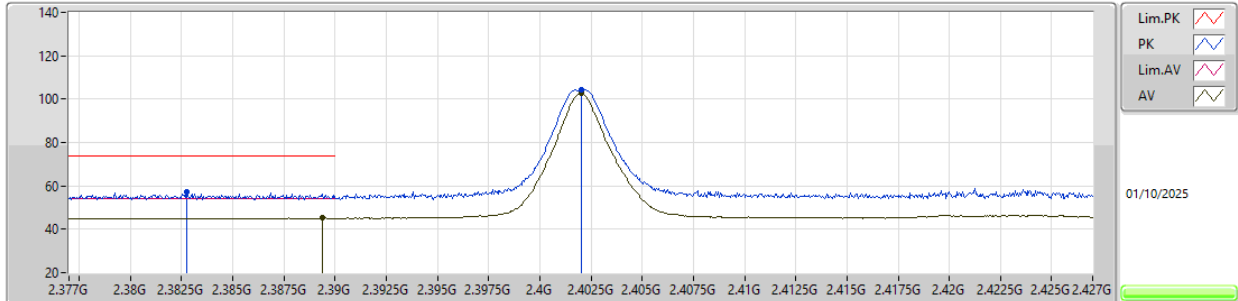
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)		
PK	33.88M	31.83	40.00	-8.17	-9.43	3	Horizontal	296	1.00	"Worst"	41.26	21.95	0.55	31.93		
PK	92.08M	19.61	43.50	-23.89	-15.78	3	Horizontal	0	1.00	-	35.39	15.30	0.92	32.00		
PK	262.8M	23.67	46.00	-22.33	-11.18	3	Horizontal	54	1.00	-	34.85	19.32	1.59	32.09		
PK	439.34M	26.64	46.00	-19.36	-7.90	3	Horizontal	353	1.00	-	34.54	22.27	2.09	32.26		
PK	515.97M	31.17	46.00	-14.83	-6.78	3	Horizontal	314	1.00	-	37.95	23.29	2.30	32.37		
PK	896.21M	29.38	46.00	-16.62	-2.91	3	Horizontal	21	1.00	-	32.29	26.48	3.15	32.54		

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	-	-	-	-	-	-	-	-	-	-	-
BT-LE(2Mbps)	Pass	AV	2.4835G	52.95	54.00	-1.05	3	Vertical	337	1.01	-

2.4-2.4835GHz_BT-LE(1Mbps)

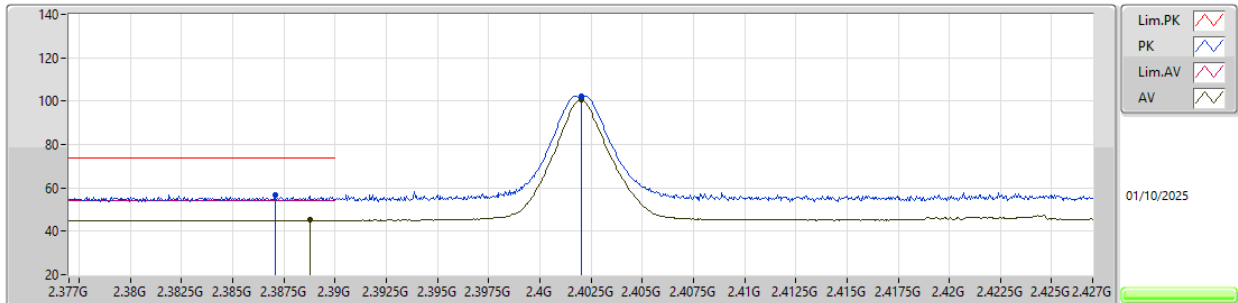
2402MHz_TX

EUT Y_1TX
Setting 10
04-E-S-5

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	2.38275G	57.00	74.00	-17.00	23.87	3	Vertical	329	1.01	-	27.50	5.63	-			
AV	2.38935G	45.15	54.00	-8.85	12.02	3	Vertical	329	1.01	-	27.50	5.63	-			
PK	2.402G	104.18	Inf	-Inf	71.04	3	Vertical	329	1.01	-	27.50	5.64	-			
AV	2.402G	102.64	Inf	-Inf	69.50	3	Vertical	329	1.01	-	27.50	5.64	-			

2.4-2.4835GHz_BT-LE(1Mbps)

2402MHz_TX

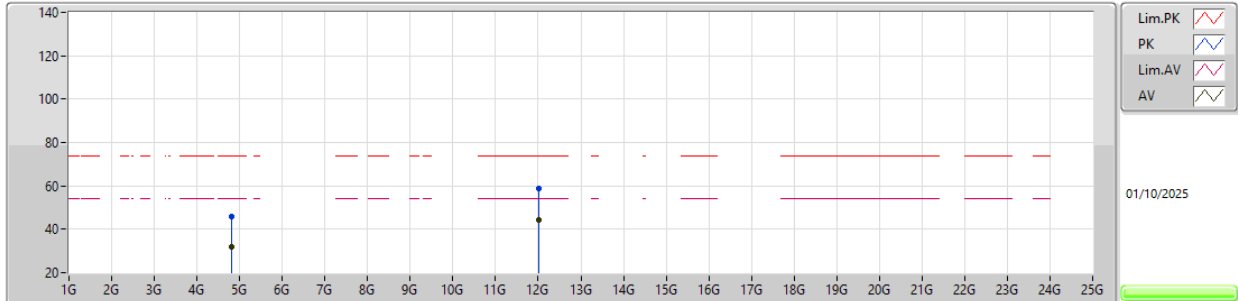


EUT Y_1TX
Setting 10
04-E-S-5

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	2.38705G	56.87	74.00	-17.13	23.74	3	Horizontal	42	2.14	-	27.50	5.63	-			
AV	2.3888G	45.12	54.00	-8.88	11.99	3	Horizontal	42	2.14	-	27.50	5.63	-			
PK	2.402G	102.20	Inf	-Inf	69.06	3	Horizontal	42	2.14	-	27.50	5.64	-			
AV	2.402G	100.64	Inf	-Inf	67.50	3	Horizontal	42	2.14	-	27.50	5.64	-			

2.4-2.4835GHz_BT-LE(1Mbps)

2402MHz_TX

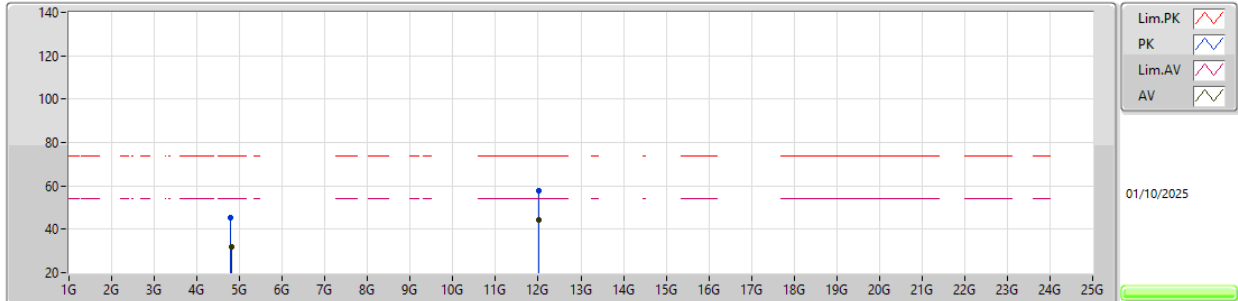


EUT Y_1TX
Setting 10
04-E-S-5

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	4.80004G	45.80	74.00	-28.20	50.41	3	Vertical	73	1.80	-	31.30	8.10	44.01			
AV	4.80846G	31.86	54.00	-22.14	36.46	3	Vertical	73	1.80	-	31.30	8.11	44.01			
PK	12.01306G	58.75	74.00	-15.25	49.67	3	Vertical	255	1.80	-	38.93	13.61	43.46			
AV	12.00604G	44.14	54.00	-9.86	35.08	3	Vertical	255	1.80	-	38.91	13.60	43.45			

2.4-2.4835GHz_BT-LE(1Mbps)

2402MHz_TX

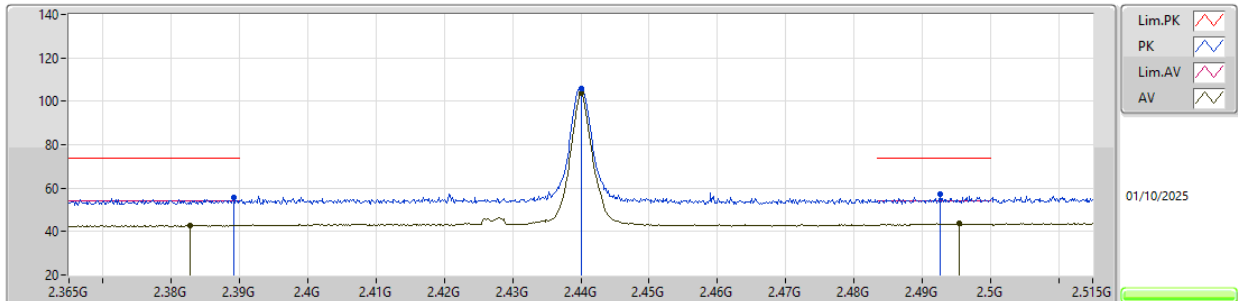


EUT_Y_1TX
Setting 10
04-E-S-5

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	4.79816G	45.24	74.00	-28.76	49.85	3	Horizontal	66	1.80	-	31.30	8.10	44.01			
AV	4.8072G	32.07	54.00	-21.93	36.67	3	Horizontal	66	1.80	-	31.30	8.11	44.01			
PK	12.01856G	57.63	74.00	-16.37	48.54	3	Horizontal	92	1.80	-	38.94	13.61	43.46			
AV	12.01062G	44.07	54.00	-9.93	35.01	3	Horizontal	92	1.80	-	38.92	13.60	43.46			

2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_TX

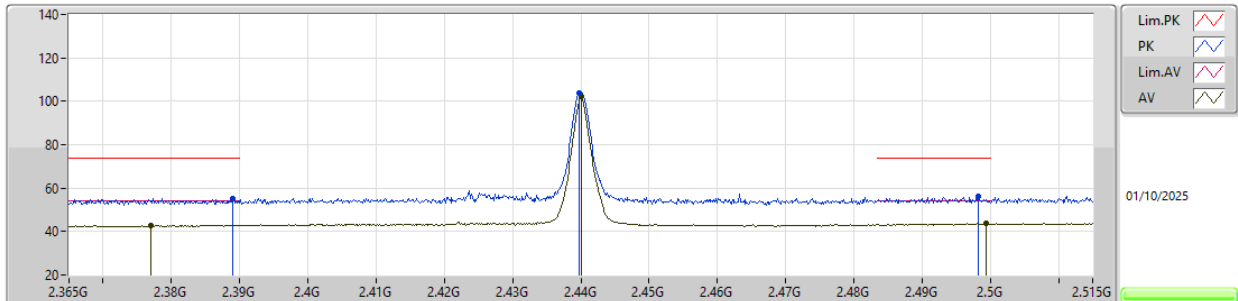


EUT Y_1TX
Setting 10
04-E-S-5

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	2.38915G	55.51	74.00	-18.49	22.38	3	Vertical	341	1.08	-	27.50	5.63	-			
AV	2.3827G	42.89	54.00	-11.11	9.76	3	Vertical	341	1.08	-	27.50	5.63	-			
PK	2.44G	105.72	Inf	-Inf	72.55	3	Vertical	341	1.08	-	27.50	5.67	-			
AV	2.44G	104.02	Inf	-Inf	70.85	3	Vertical	341	1.08	-	27.50	5.67	-			
PK	2.49265G	57.16	74.00	-16.84	23.77	3	Vertical	341	1.08	-	27.67	5.72	-			
AV	2.4955G	43.61	54.00	-10.39	10.25	3	Vertical	341	1.08	-	27.64	5.72	-			

2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_TX

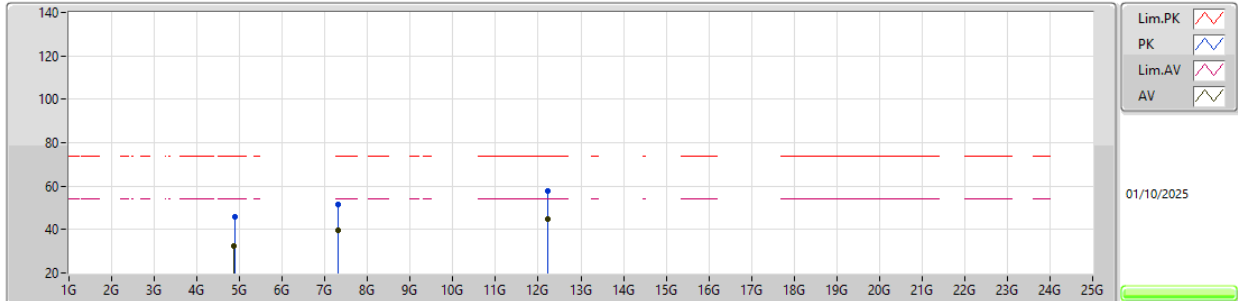


EUT Y_1TX
Setting 10
04-E-S-5

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	55.43	74.00	-18.57	22.30	3	Horizontal	39	2.32	-	27.50	5.63	-			
AV	2.377G	42.95	54.00	-11.05	9.80	3	Horizontal	39	2.32	-	27.53	5.62	-			
PK	2.4397G	103.60	Inf	-Inf	70.43	3	Horizontal	39	2.32	-	27.50	5.67	-			
AV	2.44G	102.00	Inf	-Inf	68.83	3	Horizontal	39	2.32	-	27.50	5.67	-			
PK	2.4982G	56.15	74.00	-17.85	22.81	3	Horizontal	39	2.32	-	27.62	5.72	-			
AV	2.4994G	43.86	54.00	-10.14	10.53	3	Horizontal	39	2.32	-	27.61	5.72	-			

2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_TX

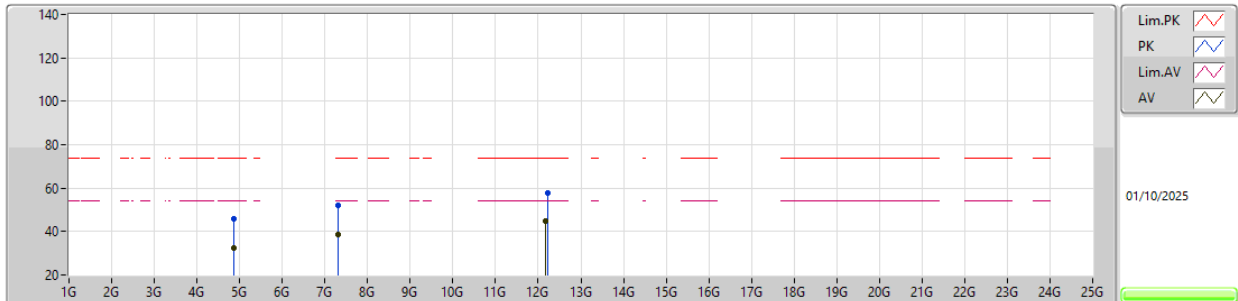


EUT Y_1TX
Setting 10
04-E-S-5

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	4.87805G	45.95	74.00	-28.05	50.46	3	Vertical	-0	1.80	-	31.30	8.18	43.99			
AV	4.86425G	32.30	54.00	-21.70	36.82	3	Vertical	-0	1.80	-	31.30	8.17	43.99			
PK	7.30625G	51.47	74.00	-22.53	47.45	3	Vertical	36	1.80	-	36.20	10.38	42.56			
AV	7.32045G	39.80	54.00	-14.20	35.76	3	Vertical	36	1.80	-	36.20	10.39	42.55			
PK	12.21945G	57.76	74.00	-16.24	48.55	3	Vertical	145	1.04	-	38.96	13.86	43.61			
AV	12.22095G	45.04	54.00	-8.96	35.82	3	Vertical	145	1.04	-	38.96	13.87	43.61			

2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_TX

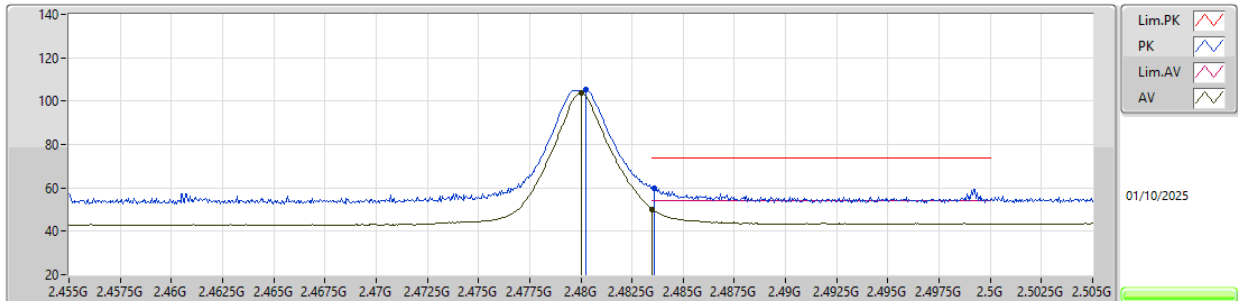


EUT_Y_1TX
Setting 10
04-E-S-5

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	4.8653G	45.64	74.00	-28.36	50.16	3	Horizontal	-0	1.80	-	31.30	8.17	43.99			
AV	4.86915G	32.53	54.00	-21.47	37.05	3	Horizontal	-0	1.80	-	31.30	8.17	43.99			
PK	7.31995G	52.16	74.00	-21.84	48.12	3	Horizontal	360	1.55	-	36.20	10.39	42.55			
AV	7.32045G	38.82	54.00	-15.18	34.78	3	Horizontal	360	1.55	-	36.20	10.39	42.55			
PK	12.2215G	57.51	74.00	-16.49	48.29	3	Horizontal	53	1.27	-	38.96	13.87	43.61			
AV	12.1792G	44.75	54.00	-9.25	35.44	3	Horizontal	53	1.27	-	39.08	13.81	43.58			

2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX

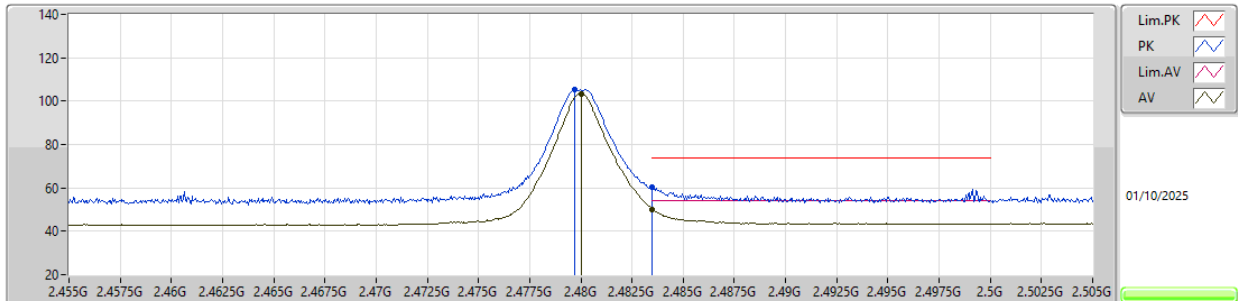


EUT Y_1TX
Setting 10
04-E-S-5

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	2.48025G	105.17	Inf	-Inf	71.95	3	Vertical	339	1.02	-	27.51	5.71	-			
AV	2.480G	103.57	Inf	-Inf	70.36	3	Vertical	339	1.02	-	27.50	5.71	-			
PK	2.4836G	59.57	74.00	-14.43	26.29	3	Vertical	339	1.02	-	27.57	5.71	-			
AV	2.4835G	49.93	54.00	-4.07	16.65	3	Vertical	339	1.02	-	27.57	5.71	-			

2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX

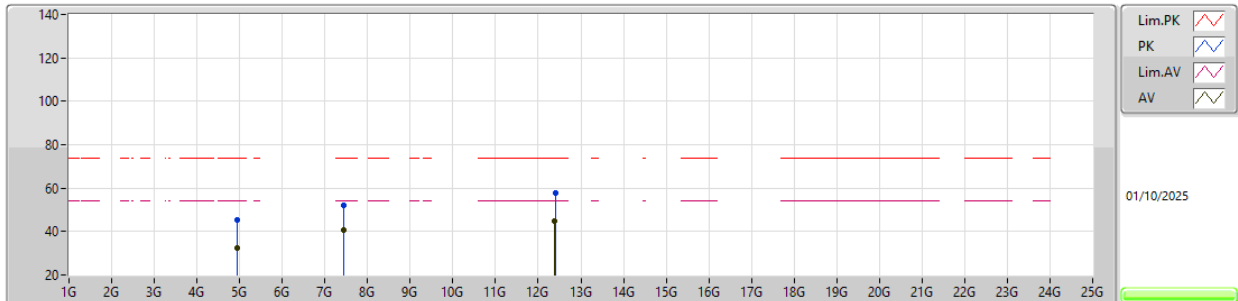


EUT Y_1TX
Setting 10
04-E-S-5

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	2.4797G	105.12	Inf	-Inf	71.91	3	Horizontal	339	1.01	-	27.50	5.71	-			
AV	2.48G	103.52	Inf	-Inf	70.31	3	Horizontal	339	1.01	-	27.50	5.71	-			
PK	2.4835G	60.12	74.00	-13.88	26.84	3	Horizontal	339	1.01	-	27.57	5.71	-			
AV	2.4835G	49.96	54.00	-4.04	16.68	3	Horizontal	339	1.01	-	27.57	5.71	-			

2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX

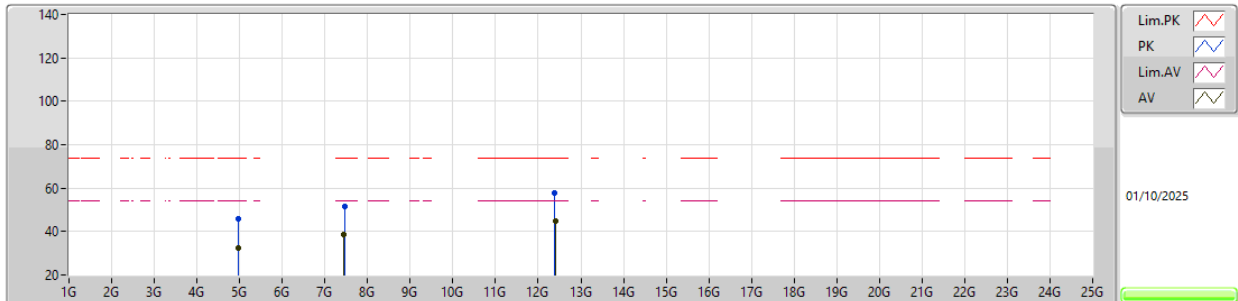


EUT_Y_1TX
Setting 10
04-E-S-5

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	4.9515G	45.10	74.00	-28.90	49.40	3	Vertical	98	1.80	-	31.41	8.26	43.97			
AV	4.9493G	32.43	54.00	-21.57	36.74	3	Vertical	98	1.80	-	31.40	8.26	43.97			
PK	7.4505G	51.89	74.00	-22.11	47.72	3	Vertical	187	1.05	-	36.20	10.44	42.47			
AV	7.4404G	40.62	54.00	-13.38	36.47	3	Vertical	187	1.05	-	36.18	10.45	42.48			
PK	12.41295G	57.64	74.00	-16.36	48.83	3	Vertical	321	1.80	-	38.47	14.10	43.76			
AV	12.38195G	44.68	54.00	-9.32	35.77	3	Vertical	321	1.80	-	38.57	14.07	43.73			

2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX

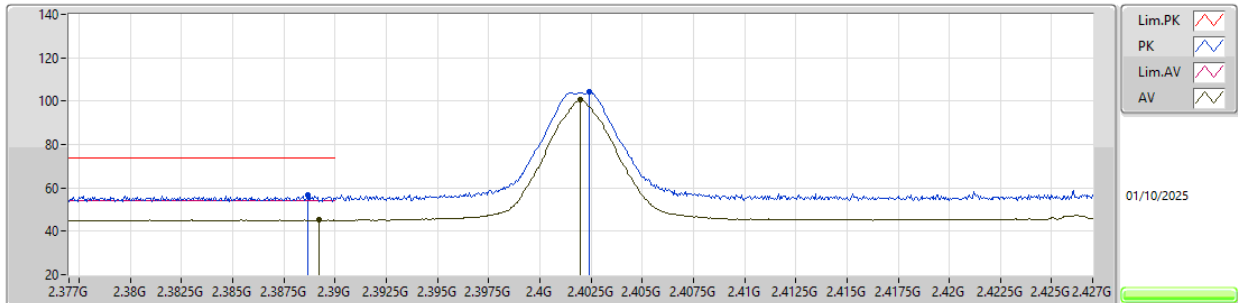


EUT_Y_1TX
Setting 10
04-E-S-5

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	4.97305G	46.08	74.00	-27.92	50.27	3	Horizontal	273	1.43	-	31.49	8.28	43.96			
AV	4.98205G	32.17	54.00	-21.83	36.31	3	Horizontal	273	1.43	-	31.53	8.29	43.96			
PK	7.46025G	51.49	74.00	-22.51	47.29	3	Horizontal	360	2.35	-	36.22	10.44	42.46			
AV	7.43815G	38.74	54.00	-15.26	34.59	3	Horizontal	360	2.35	-	36.18	10.45	42.48			
PK	12.38375G	57.55	74.00	-16.45	48.65	3	Horizontal	116	2.52	-	38.56	14.07	43.73			
AV	12.39605G	44.67	54.00	-9.33	35.81	3	Horizontal	116	2.52	-	38.52	14.08	43.74			

2.4-2.4835GHz_BT-LE(2Mbps)

2402MHz_TX

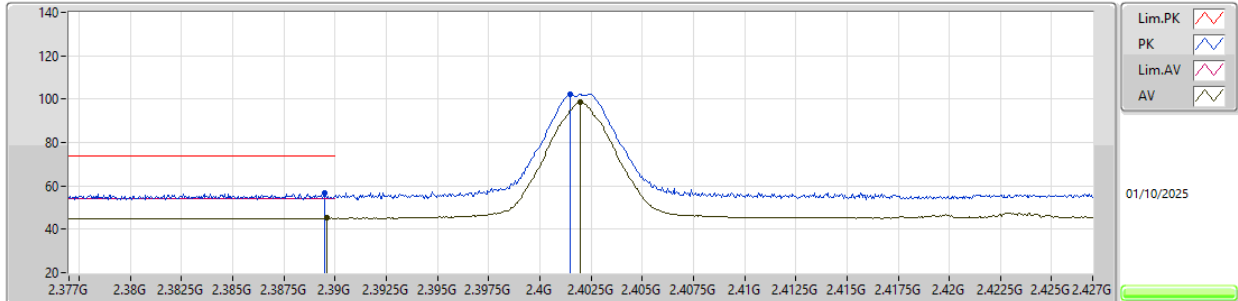


EUT Y_1TX
Setting 10
04-E-S-5

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	2.38865G	56.57	74.00	-17.43	23.44	3	Vertical	334	1.01	-	27.50	5.63	-			
AV	2.3892G	45.27	54.00	-8.73	12.14	3	Vertical	334	1.01	-	27.50	5.63	-			
PK	2.4024G	104.10	Inf	-Inf	70.96	3	Vertical	334	1.01	-	27.50	5.64	-			
AV	2.40195G	100.61	Inf	-Inf	67.47	3	Vertical	334	1.01	-	27.50	5.64	-			

2.4-2.4835GHz_BT-LE(2Mbps)

2402MHz_TX

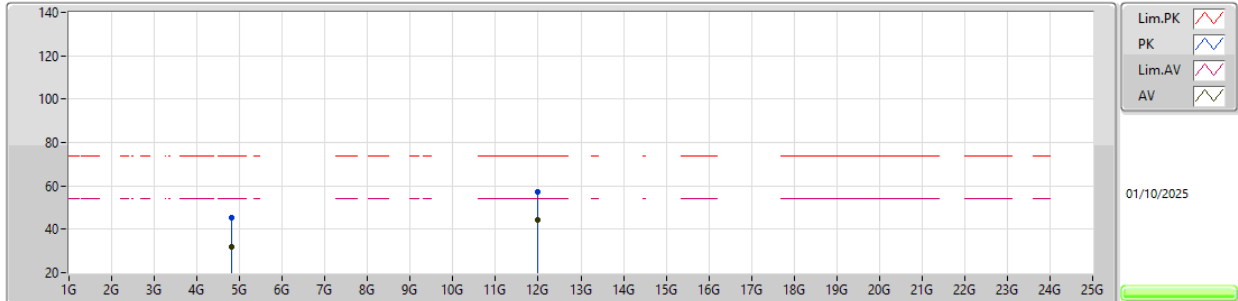


EUT Y_1TX
Setting 10
04-E-S-5

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	2.3895G	56.65	74.00	-17.35	23.52	3	Horizontal	42	2.14	-	27.50	5.63	-			
AV	2.3896G	45.11	54.00	-8.89	11.98	3	Horizontal	42	2.14	-	27.50	5.63	-			
PK	2.4015G	102.27	Inf	-Inf	69.13	3	Horizontal	42	2.14	-	27.50	5.64	-			
AV	2.40195G	98.78	Inf	-Inf	65.64	3	Horizontal	42	2.14	-	27.50	5.64	-			

2.4-2.4835GHz_BT-LE(2Mbps)

2402MHz_TX

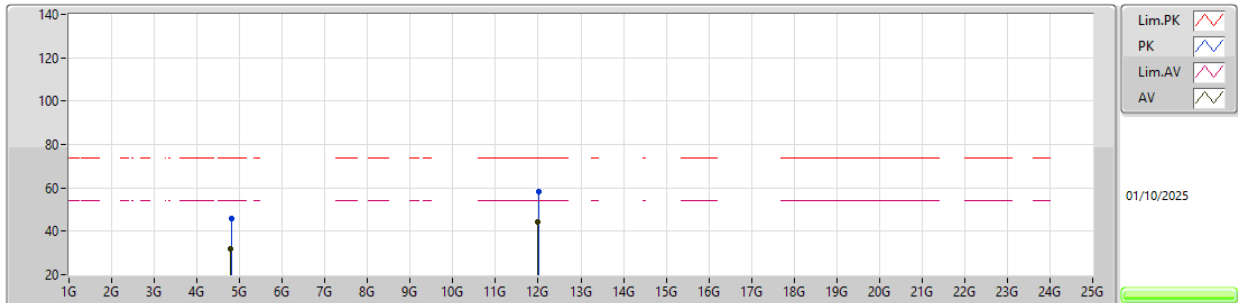


EUT_Y_1TX
Setting 10
04-E-S-5

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	4.80685G	45.60	74.00	-28.40	50.20	3	Vertical	123	2.84	-	31.30	8.11	44.01			
AV	4.81558G	31.85	54.00	-22.15	36.44	3	Vertical	123	2.84	-	31.30	8.12	44.01			
PK	11.9971G	57.16	74.00	-16.84	48.13	3	Vertical	174	1.82	-	38.89	13.59	43.45			
AV	11.99851G	44.22	54.00	-9.78	35.18	3	Vertical	174	1.82	-	38.90	13.59	43.45			

2.4-2.4835GHz_BT-LE(2Mbps)

2402MHz_TX

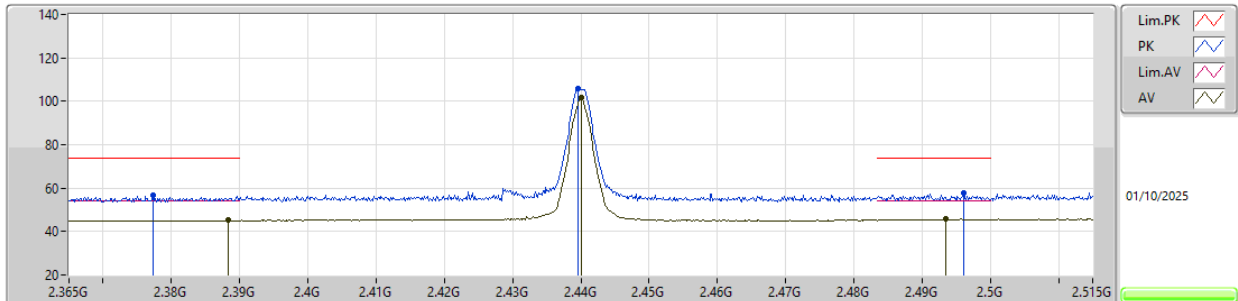


EUT_Y_1TX
Setting 10
04-E-S-5

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	4.80547G	45.65	74.00	-28.35	50.25	3	Horizontal	15	1.93	-	31.30	8.11	44.01			
AV	4.78924G	31.79	54.00	-22.21	36.44	3	Horizontal	15	1.93	-	31.28	8.09	44.02			
PK	12.02341G	58.05	74.00	-15.95	48.95	3	Horizontal	47	2.13	-	38.95	13.62	43.47			
AV	11.99659G	44.19	54.00	-9.81	35.16	3	Horizontal	47	2.13	-	38.89	13.59	43.45			

2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_TX

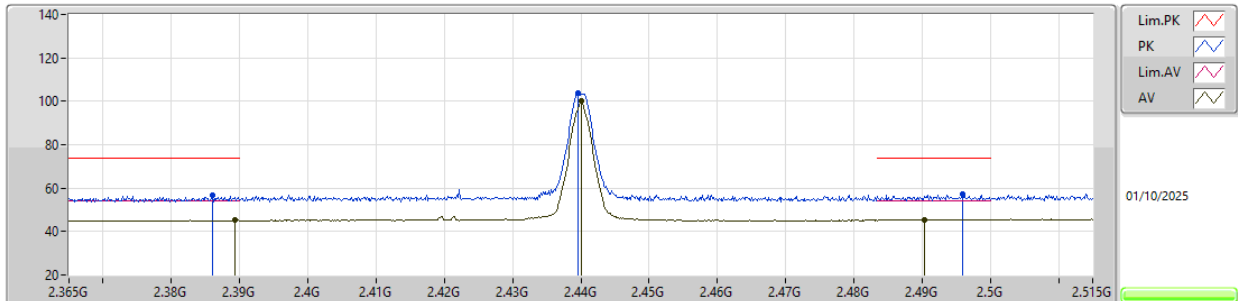


EUT Y_1TX
Setting 10
04-E-S-5

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	2.3773G	56.57	74.00	-17.43	23.42	3	Vertical	341	1.07	-	27.53	5.62	-			
AV	2.3884G	45.17	54.00	-8.83	12.04	3	Vertical	341	1.07	-	27.50	5.63	-			
PK	2.43955G	105.64	Inf	-Inf	72.47	3	Vertical	341	1.07	-	27.50	5.67	-			
AV	2.44G	101.91	Inf	-Inf	68.74	3	Vertical	341	1.07	-	27.50	5.67	-			
PK	2.4961G	57.68	74.00	-16.32	24.32	3	Vertical	341	1.07	-	27.64	5.72	-			
AV	2.4934G	45.76	54.00	-8.24	12.37	3	Vertical	341	1.07	-	27.67	5.72	-			

2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_TX

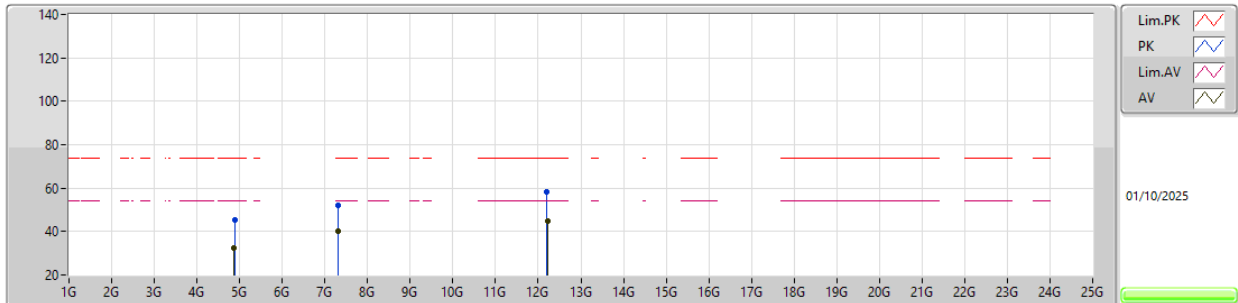


EUT Y_1TX
Setting 10
04-E-S-5

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	2.386G	56.51	74.00	-17.49	23.38	3	Horizontal	41	2.32	-	27.50	5.63	-				
AV	2.3893G	45.18	54.00	-8.82	12.05	3	Horizontal	41	2.32	-	27.50	5.63	-				
PK	2.43955G	103.58	Inf	-Inf	70.41	3	Horizontal	41	2.32	-	27.50	5.67	-				
AV	2.44G	100.10	Inf	-Inf	66.93	3	Horizontal	41	2.32	-	27.50	5.67	-				
PK	2.49595G	57.42	74.00	-16.58	24.06	3	Horizontal	41	2.32	-	27.64	5.72	-				
AV	2.4904G	45.59	54.00	-8.41	12.17	3	Horizontal	41	2.32	-	27.70	5.72	-				

2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_TX

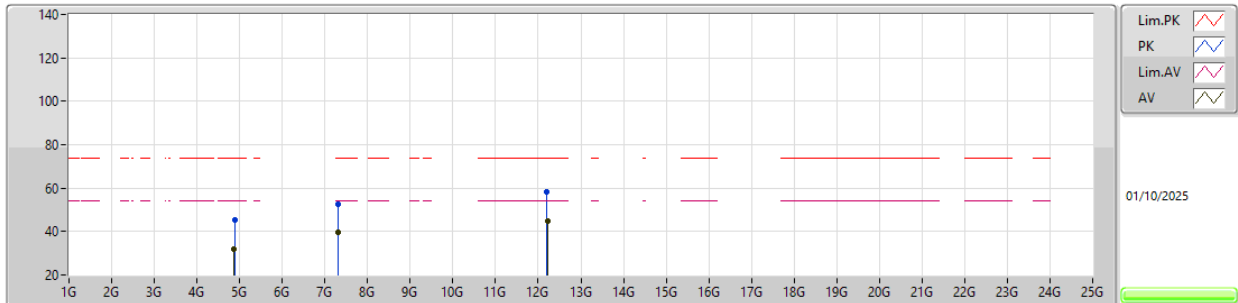


EUT_Y_1TX
Setting 10
04-E-S-5

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	4.88261G	45.37	74.00	-28.63	49.87	3	Vertical	114	1.80	-	31.30	8.19	43.99			
AV	4.86686G	32.25	54.00	-21.75	36.77	3	Vertical	114	1.80	-	31.30	8.17	43.99			
PK	7.31841G	52.27	74.00	-21.73	48.23	3	Vertical	10	1.00	-	36.20	10.39	42.55			
AV	7.32108G	40.12	54.00	-13.88	36.08	3	Vertical	10	1.00	-	36.20	10.39	42.55			
PK	12.19622G	58.19	74.00	-15.81	48.94	3	Vertical	336	1.10	-	39.02	13.83	43.60			
AV	12.21491G	45.07	54.00	-8.93	35.85	3	Vertical	336	1.10	-	38.97	13.86	43.61			

2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_TX

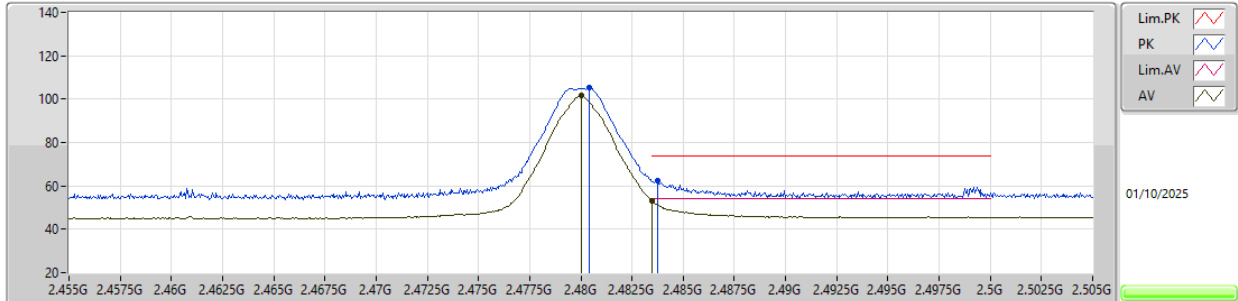


EUT_Y_1TX
Setting 10
04-E-S-5

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	4.87766G	45.23	74.00	-28.77	49.74	3	Horizontal	127	1.80	-	31.30	8.18	43.99			
AV	4.86848G	32.08	54.00	-21.92	36.60	3	Horizontal	127	1.80	-	31.30	8.17	43.99			
PK	7.32189G	52.84	74.00	-21.16	48.80	3	Horizontal	63	2.10	-	36.20	10.39	42.55			
AV	7.31877G	39.50	54.00	-14.50	35.46	3	Horizontal	63	2.10	-	36.20	10.39	42.55			
PK	12.21056G	58.14	74.00	-15.86	48.92	3	Horizontal	308	1.80	-	38.98	13.85	43.61			
AV	12.21326G	44.94	54.00	-9.06	35.72	3	Horizontal	308	1.80	-	38.97	13.86	43.61			

2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX

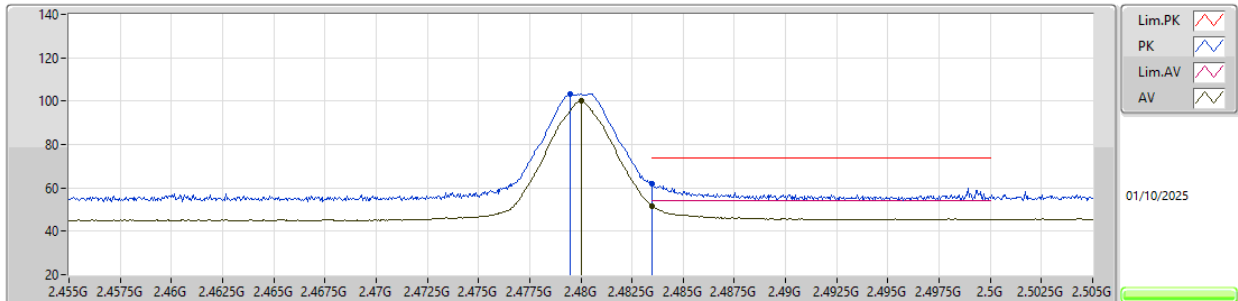


EUT Y_1TX
Setting 10
04-E-S-5

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	2.4804G	105.18	Inf	-Inf	71.96	3	Vertical	337	1.01	-	27.51	5.71	-			
AV	2.48005G	101.71	Inf	-Inf	68.50	3	Vertical	337	1.01	-	27.50	5.71	-			
PK	2.48375G	62.66	74.00	-11.34	29.38	3	Vertical	337	1.01	-	27.57	5.71	-			
AV	2.4835G	52.95	54.00	-1.05	19.67	3	Vertical	337	1.01	-	27.57	5.71	-			

2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX

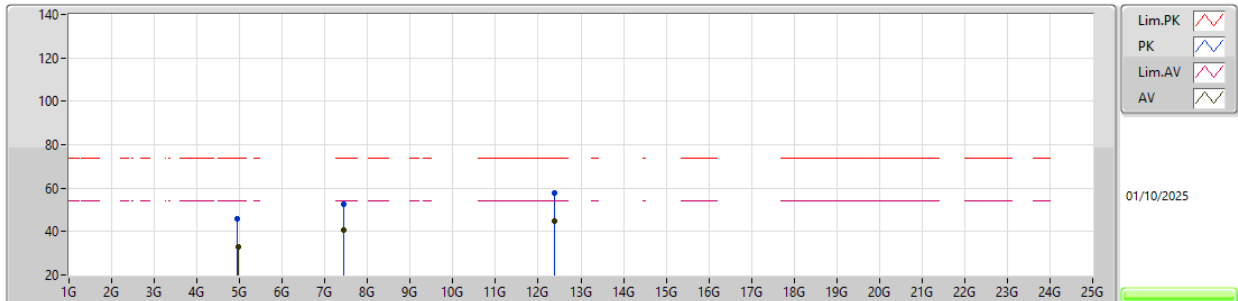


EUT Y_1TX
Setting 10
04-E-S-5

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	2.4795G	103.46	Inf	-Inf	70.26	3	Horizontal	42	1.80	-	27.49	5.71	-			
AV	2.48G	100.02	Inf	-Inf	66.81	3	Horizontal	42	1.80	-	27.50	5.71	-			
PK	2.4835G	61.86	74.00	-12.14	28.58	3	Horizontal	42	1.80	-	27.57	5.71	-			
AV	2.4835G	51.55	54.00	-2.45	18.27	3	Horizontal	42	1.80	-	27.57	5.71	-			

2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX

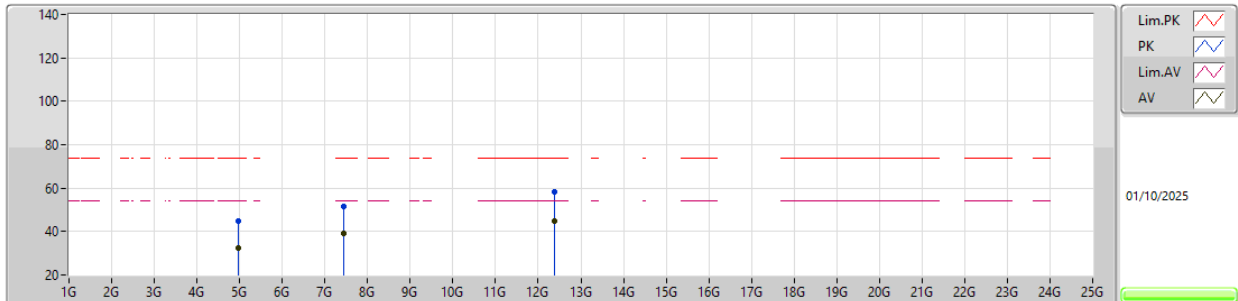


EUT Y_1TX
Setting 10
04-E-S-5

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	4.949G	45.86	74.00	-28.14	50.17	3	Vertical	360	1.80	-	31.40	8.26	43.97			
AV	4.98095G	32.68	54.00	-21.32	36.83	3	Vertical	360	1.80	-	31.52	8.29	43.96			
PK	7.4386G	52.50	74.00	-21.50	48.35	3	Vertical	30	1.80	-	36.18	10.45	42.48			
AV	7.441G	40.51	54.00	-13.49	36.36	3	Vertical	30	1.80	-	36.18	10.45	42.48			
PK	12.3837G	57.84	74.00	-16.16	48.93	3	Vertical	326	2.39	-	38.57	14.07	43.73			
AV	12.377G	44.60	54.00	-9.40	35.68	3	Vertical	326	2.39	-	38.59	14.06	43.73			

2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX



EUT_Y_1TX
Setting 10
04-E-S-5

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	4.9779G	45.01	74.00	-28.99	49.17	3	Horizontal	334	2.24	-	31.51	8.29	43.96			
AV	4.97445G	32.18	54.00	-21.82	36.36	3	Horizontal	334	2.24	-	31.50	8.28	43.96			
PK	7.4359G	51.63	74.00	-22.37	47.49	3	Horizontal	342	1.88	-	36.17	10.45	42.48			
AV	7.4414G	39.32	54.00	-14.68	35.17	3	Horizontal	342	1.88	-	36.18	10.45	42.48			
PK	12.38455G	58.18	74.00	-15.82	49.28	3	Horizontal	340	2.50	-	38.56	14.07	43.73			
AV	12.3784G	44.66	54.00	-9.34	35.74	3	Horizontal	340	2.50	-	38.59	14.06	43.73			