



RADIO TEST REPORT

FCC ID : HEDOAP103
Equipment : Outdoor Access Point
Brand Name : Edgecore
Model Name : OAP103
Applicant : Accton Technology Corporation
No. 1, Zhihui 1st Rd., Zhubei City , Hsinchu County 302 Taiwan
Manufacturer : Accton Technology Corporation
No. 1, Zhihui 1st Rd., Zhubei City , Hsinchu County 302 Taiwan
Standard : 47 CFR FCC Part 15.247

The product was received on Mar. 12, 2025, and testing was started from Mar. 20, 2025 and completed on May 21, 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 C63.10-2013 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. Hsinchu Laboratory, the test report shall not be reproduced except in full.

Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory

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



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History of this test report

TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB-A10_6 Ver1.3

Page Number : 3 of 31
Issued Date : Jun. 09, 2025
Report Version : 01



Summary of Test Result

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

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
2.4-2.4835GHz	BT-LE(1Mbps)	1.0	1TX
2.4-2.4835GHz	BT-LE(2Mbps)	2.0	1TX

Note:

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

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	ACCTON Technology Corporation	120G00000256A	PCB	I-PEX	Note 1
2	ACCTON Technology Corporation	120G00000257A	PCB	I-PEX	
3	ACCTON Technology Corporation	120G00000258A	PCB	I-PEX	
4	ACCTON Technology Corporation	120G00000259A	PCB	I-PEX	

Note1:

Ant.	Port	Gain (dBi)		
		Bluetooth	2.4GHz	5GHz
1	1	-	5.53	6.90
2	2	-	5.74	6.87
3	4	5.13	-	6.25
4	3	-	-	6.21

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 ;

$$2.4G \ G1 = 5.53 \text{ dBi} ; G2 = 5.74 \text{ dBi} ;$$

$$5G \ UNII-1 \ G1 = 6.90 \text{ dBi} ; G2 = 6.87 \text{ dBi} ; G3 = 6.25 \text{ dBi} ; G4 = 6.21 \text{ dBi}$$

$$5G \ UNII-2A \ G1 = 6.90 \text{ dBi} ; G2 = 6.87 \text{ dBi} ; G3 = 6.25 \text{ dBi} ; G4 = 6.21 \text{ dBi}$$

$$5G \ UNII-2C \ G1 = 6.90 \text{ dBi} ; G2 = 6.87 \text{ dBi} ; G3 = 6.25 \text{ dBi} ; G4 = 6.21 \text{ dBi}$$

$$5G \ UNII-3 \ G1 = 6.90 \text{ dBi} ; G2 = 6.87 \text{ dBi} ; G3 = 6.25 \text{ dBi} ; G4 = 6.21 \text{ dBi}$$

$$2.4G \ DG = 8.65 \text{ dBi}$$

$$5G \ UNII-1 \ DG = 12.58 \text{ dBi}$$

$$5G \ UNII-2A \ DG = 12.58 \text{ dBi}$$

$$5G \ UNII-2C \ DG = 12.58 \text{ dBi}$$

$$5G \ UNII-3 \ DG = 12.58 \text{ dBi}$$

Note 4: **For WLAN 2.4GHz function:**

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

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

Port 1 and Port 2 could transmit/receive simultaneously.

For WLAN 5GHz function:

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

Port 1~4 can be use as transmitting/receiving antenna.

Port 1~4 could transmit/receive simultaneously

For Bluetooth function:

For Bluetooth mode (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) $\geq 1/T$
BT-LE(1Mbps)	0.63	2.01	393.75u	3k
BT-LE(2Mbps)	0.334	4.76	208.75u	10k

Note:

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

1.1.4 EUT Operational Condition

EUT Power Type	Power from PoE			
Function	<input checked="" type="checkbox"/>	Point-to-multipoint	<input type="checkbox"/>	Point-to-point
Test Software Version	AgXBT4_ATE.exe(V2.0.1.0)			
Support Mode	<input checked="" type="checkbox"/>	LE 1M PHY: 1 Mb/s		
	<input type="checkbox"/>	LE Coded PHY (S=2): 500 Kb/s		
	<input type="checkbox"/>	LE Coded PHY (S=8): 125 Kb/s		
	<input checked="" type="checkbox"/>	LE 2M PHY: 2 Mb/s		

Note: The above information was declared by manufacturer.



1.2 Applicable Standards

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

- ♦ 47 CFR FCC Part 15.247
- ♦ 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 (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	Stim Sung	21.8~22.3 / 57~61	May 09, 2025
Radiated below 1GHz	03CH04-CB	George Fan	21.4~22.6 / 57~61	Mar. 26, 2025
Radiated above 1GHz	03CH03-CB	Jack Teng	21.6~23.1 / 58~62	Mar. 20, 2025~ May 21, 2025
Radiated co-location emission	03CH04-CB	Jack Teng	21.4~22.6 / 57~61	Mar. 20, 2025~ May 21, 2025
AC Conduction	CO01-CB	Tim Chen	21~22 / 62~63	Mar. 28, 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)	4.1 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.2 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.2 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.0 dB	Confidence levels of 95%
Conducted Emission	3.1 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.1 dB	Confidence levels of 95%
Bandwidth Measurement	2.1 %	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 + PoE

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



The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	Normal Link
	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 in Y axis + PoE
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 in Y axis

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
	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 in Y axis_WLAN 2.4GHz + WLAN 5GHz
2	EUT in Y axis_Bluetooth + WLAN 5GHz
For operating mode 2 is the worst case and it was record in this test report.	
Refer to Appendix G for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	Bluetooth + WLAN 2.4GHz + WLAN 5GHz
Refer to Sporton Test Report No.: FA4D1154 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	Cambium	NET-P30-56IN



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

Others
Sealing Collar*2
Pole mounting kit*1
Wall mounting kit*1
Steel hose clamp*2
RJ-45 cable*2: Shielded, 0.26m (Installed inside the EUT)

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	PoE	Cambium	NET-P30-56IN	N/A
B	Uplink (PoE In) PC	ASUS	S300TA	TX2-RTL8821CE
C	2.4G NB	Lenovo	X260	N/A
D	5G NB	Lenovo	X260	N/A
E	Smart phone	Samsung	Galaxy J2	A3LSMJ200Y
F	LAN PC	ASUS	S300TA	TX2-RTL8821CE

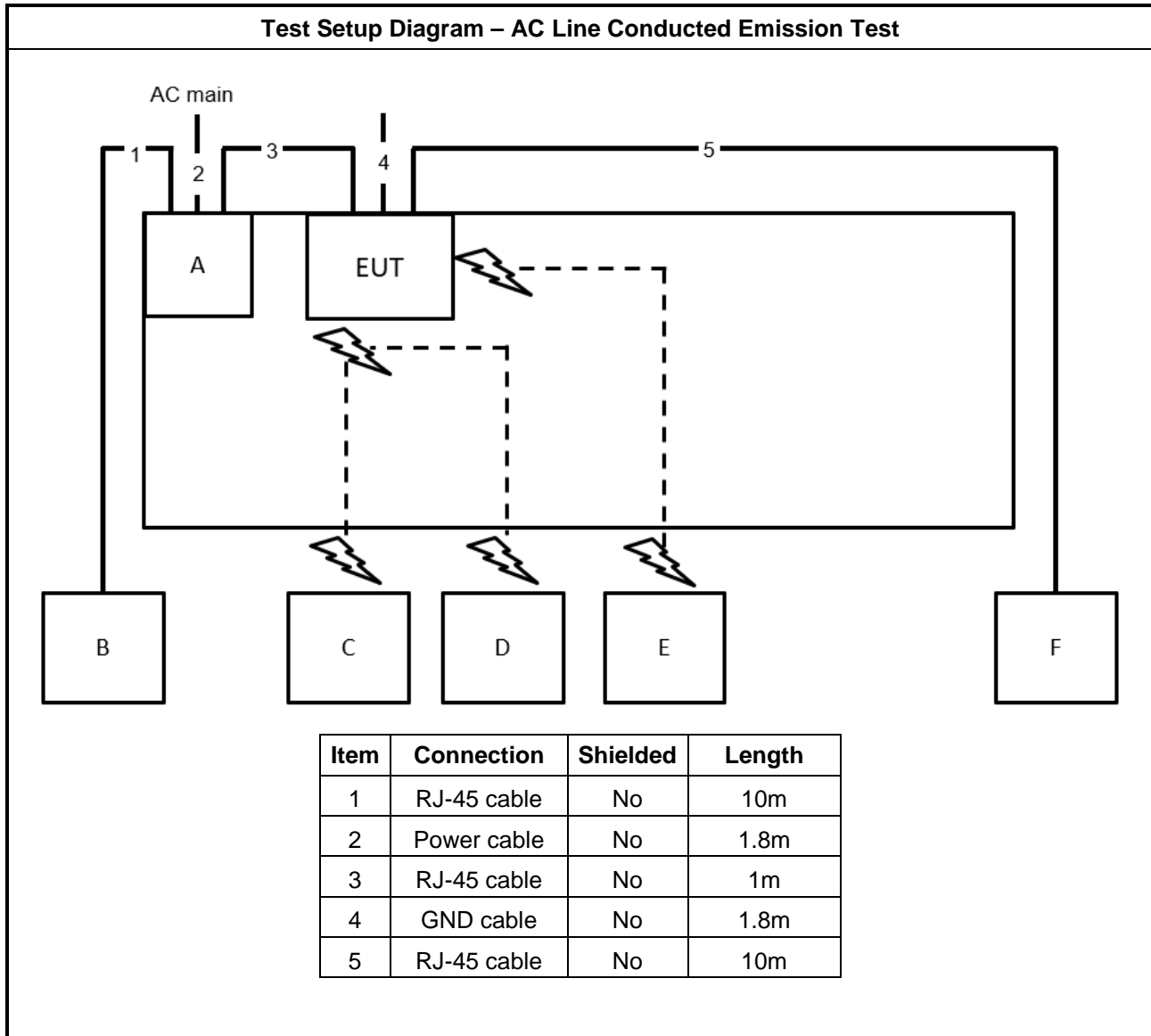
For Radiated (below 1GHz):

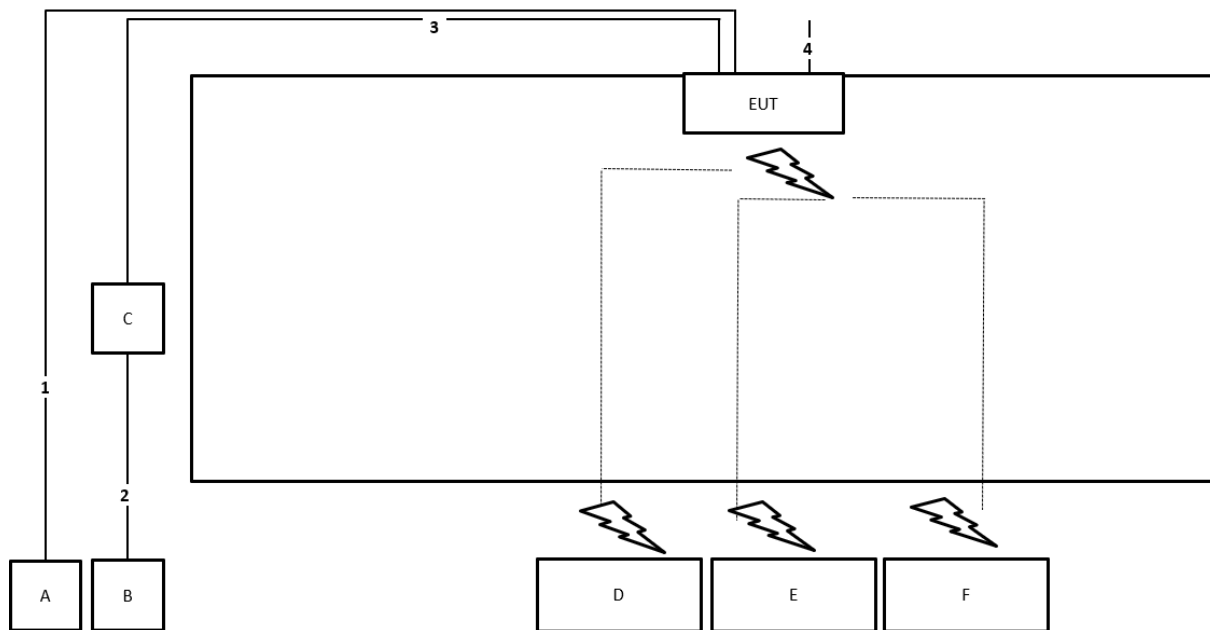
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	LAN NB	DELL	E4300	N/A
B	Uplink (PoE In) NB	DELL	E4300	N/A
C	PoE	Cambium	NET-P30-56IN	N/A
D	2.4G NB	DELL	E4300	N/A
E	5G NB	DELL	E4300	N/A
F	Smart phone	Samsung	Galaxy J2	A3LSMJ200Y

**For Radiated (above 1GHz) and RF Conducted:**

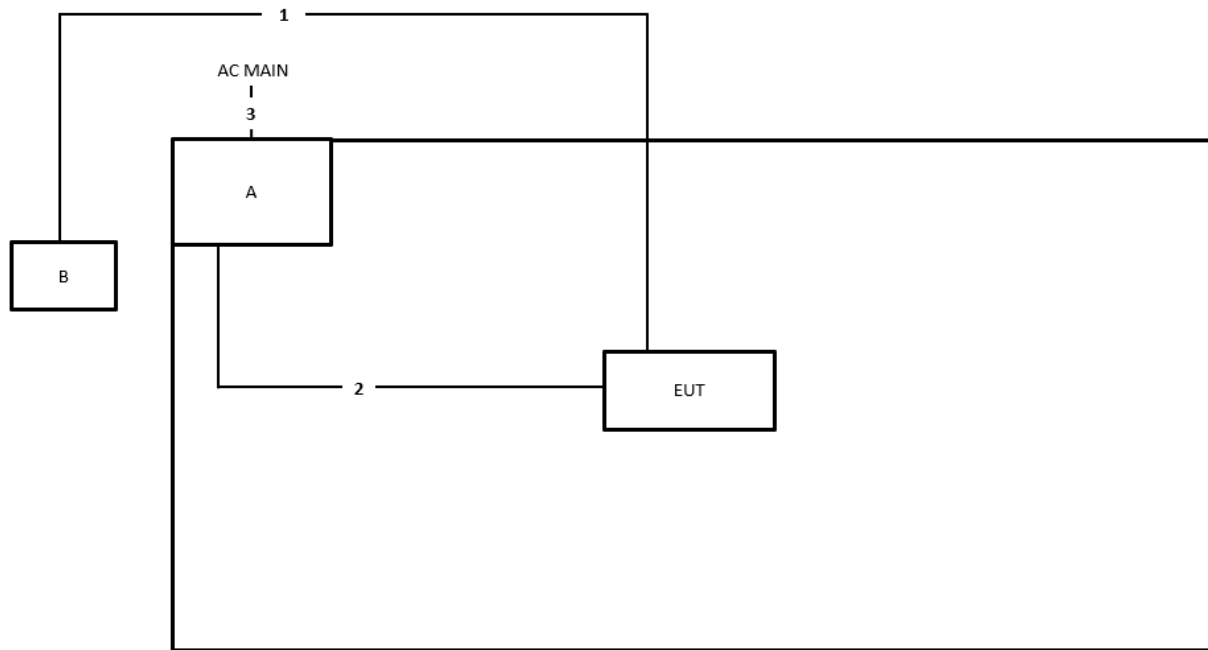
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	PoE	Cambium	NET-P30-56IN	N/A

2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test < 1GHz


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

Test Setup Diagram - Radiated Test > 1GHz


Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Console cable	Yes	1m
3	Power cable	No	2.6m



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.

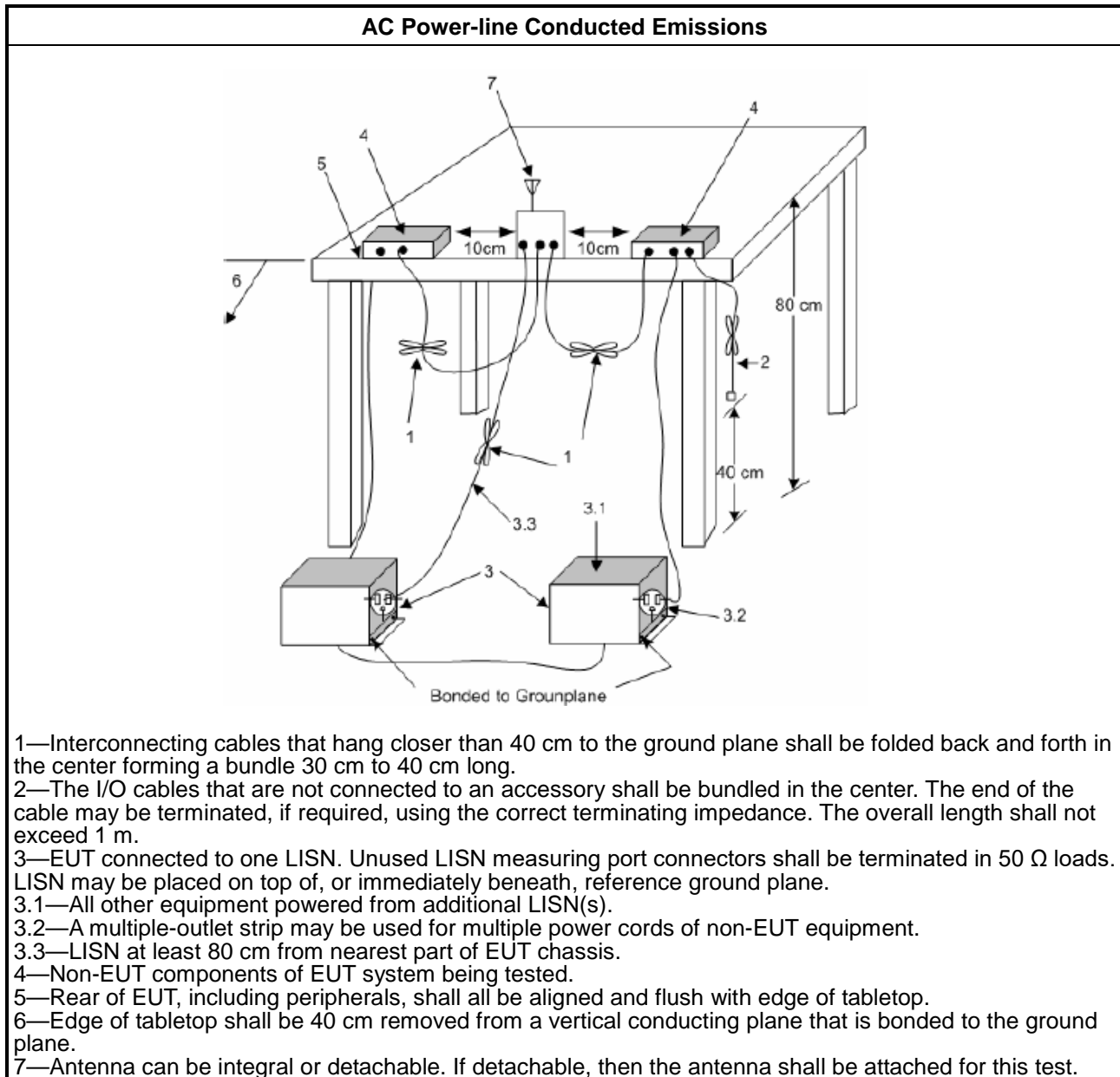
3.1.2 Measuring Instruments

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



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:
<ul style="list-style-type: none"> 6 dB bandwidth \geq 500 kHz.

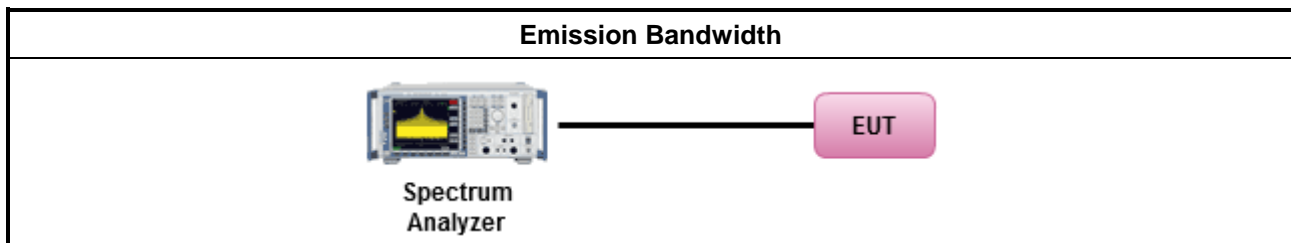
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method
<ul style="list-style-type: none"> For the emission bandwidth shall be measured using one of the options below:
<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.1 Option 1 for 6 dB bandwidth measurement.
<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.2 Option 2 for 6 dB bandwidth measurement.
<input type="checkbox"/> 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	
<ul style="list-style-type: none"> Maximum Peak Conducted Output Power 	
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 8.3.1.1 & C63.10 clause 11.9.1.1 (RBW ≥ EBW method).
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 8.3.1.3 & C63.10 clause 11.9.1.3 (peak power meter).
<ul style="list-style-type: none"> Maximum Conducted Output Power 	
[duty cycle ≥ 98% or external video / power trigger]	
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.2 Method AVGSA-1.
<input type="checkbox"/>	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	
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.4 Method AVGSA-2.
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.5 Method AVGSA-2A (alternative)
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.6 Method AVGSA-3
<input type="checkbox"/>	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)	
<input type="checkbox"/>	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).
<input checked="" type="checkbox"/>	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).
<ul style="list-style-type: none"> For conducted measurement. 	
<ul style="list-style-type: none"> 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. 	
<ul style="list-style-type: none"> 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

Maximum Conducted Output Power (Power Meter)




3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C



3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

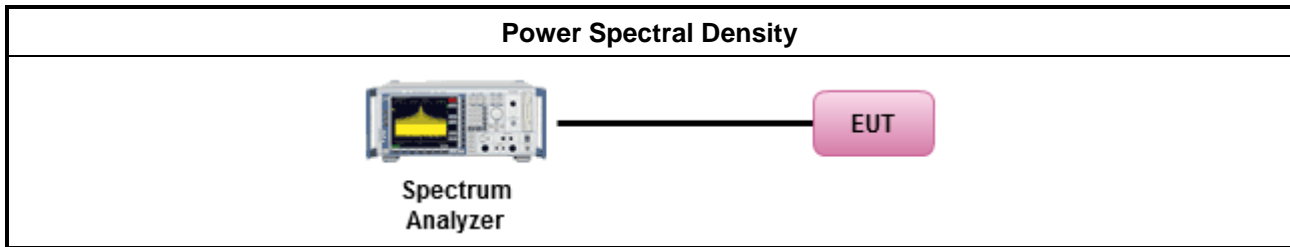
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
▪ Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).	
<input checked="" type="checkbox"/>	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:	
<input type="checkbox"/>	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.
<input type="checkbox"/>	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,
<input type="checkbox"/>	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
<p>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.</p> <p>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.</p>	

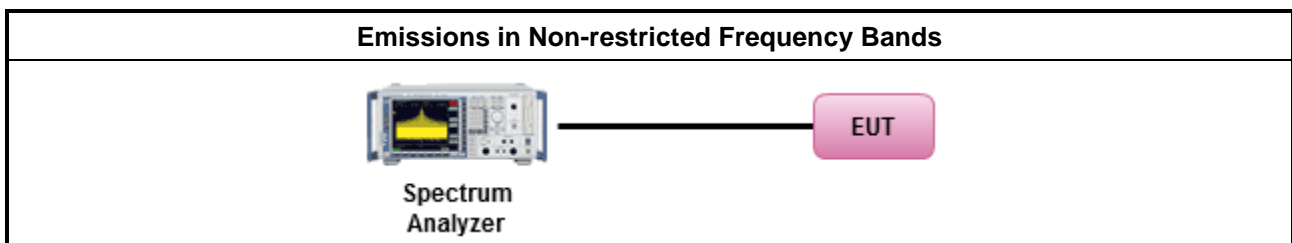
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
<ul style="list-style-type: none"> 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.

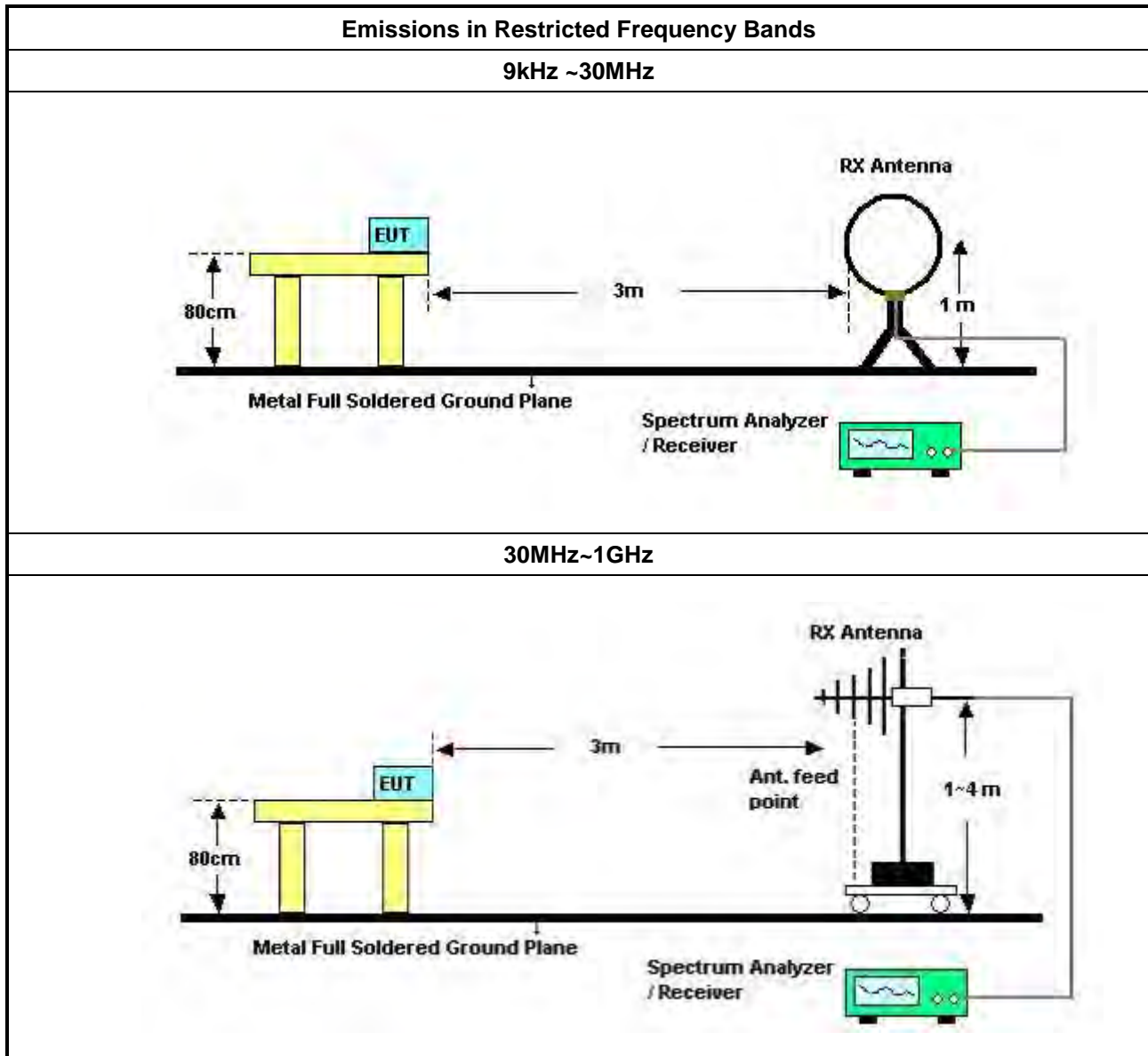
3.6.2 Measuring Instruments

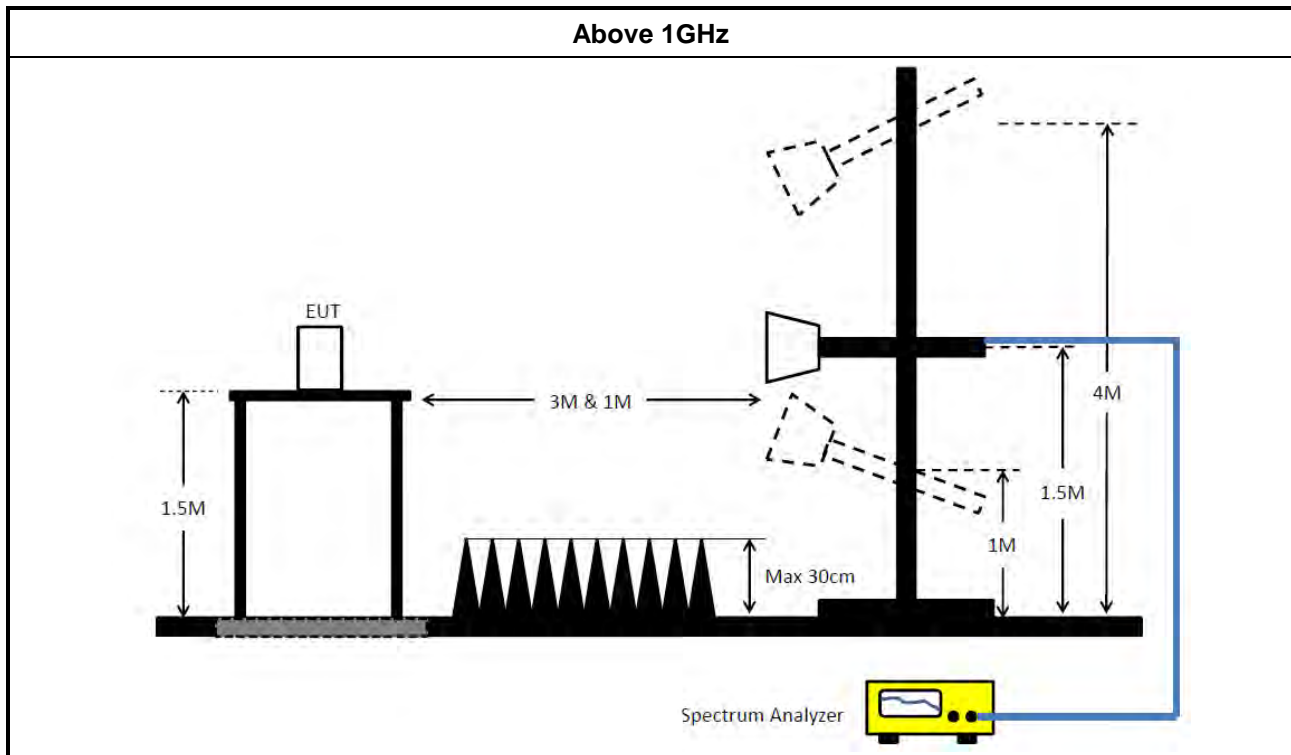
Refer a test equipment and calibration data table in this test report.

**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.
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.1(trace averaging for duty cycle $\geq 98\%$).
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.2(trace averaging + duty factor).
	<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.3(Reduced VBW $\geq 1/T$).
	<input type="checkbox"/> Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW $\geq 1/T$, where T is pulse time.
	<input type="checkbox"/> Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
	<input checked="" type="checkbox"/> 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	Apr. 24, 2024	Apr. 23, 2025	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Oct. 16, 2024	Oct. 15, 2025	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	Oct. 16, 2024	Oct. 15, 2025	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. 16, 2024	Oct. 15, 2025	Radiation (03CH04-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH04-CB	30 MHz~1 GHz	Jul. 31, 2024	Jul. 30, 2025	Radiation (03CH04-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 21, 2025	Feb. 20, 2026	Radiation (03CH04-CB)
BILOG ANTENNA with 6 dB attenuator	Schaffner & EMCi	CBL6112B & N-6-06	22021&AT-N0607	30MHz ~ 1GHz	Oct. 05, 2024	Oct. 04, 2025	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	BBHA9170252	15GHz ~ 40GHz	Sep. 23, 2024	Sep. 22, 2025	Radiation (03CH04-CB)
Pre-Amplifier	EMCI	EMC330N	980391	20MHz ~ 3GHz	May 22, 2024	May 21, 2025	Radiation (03CH04-CB)
Pre-Amplifier	SGH	SGH5265	20211115-1	1~ 26.5GHz	Jan. 16, 2025	Jan. 15, 2026	Radiation (03CH04-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 25, 2024	Nov. 24, 2025	Radiation (03CH04-CB)
Signal Analyzer	R&S	FSV40	101904	9kHz ~ 40GHz	Apr. 26, 2024	Apr. 25, 2025	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Mar. 24, 2025	Mar. 23, 2026	Radiation (03CH04-CB)
EMI Test Receiver	R&S	ESR7	102172	9kHz ~ 7GHz	Oct. 21, 2024	Oct. 20, 2025	Radiation (03CH04-CB)
RF Cable-low	Woken	RG402	Low Cable-03+67	30MHz ~ 1GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH04-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE-EMI	V5.11.8	30MHz-40GHz	N.C.R.	N.C.R.	Radiation (03CH04-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH03-CB	1GHz ~18GHz 3m	May 03, 2024	May 02, 2025	Radiation (03CH03-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH03-CB	1GHz ~18GHz 3m	May 02, 2025	May 01, 2026	Radiation (03CH03-CB)
Horn Antenna	ETS-Lindgren	3115	6821	750MHz~18GHz	Feb. 20, 2025	Feb. 19, 2026	Radiation (03CH03-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 23, 2024	Sep. 22, 2025	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Jun. 29, 2024	Jun. 28, 2025	Radiation (03CH03-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 25, 2024	Nov. 24, 2025	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 11, 2024	Jun. 10, 2025	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-20+29	1GHz ~ 18GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-29	1GHz ~ 18GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE-1524 7_DTS	V5.11.23	2.4GHz-2.4835GHz	N.C.R.	N.C.R.	Radiation (03CH03-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Aug. 27, 2024	Aug. 26, 2025	Conducted (TH02-CB)
Power Sensor	Anritsu	MA2411B	1126203	300MHz~40GHz	Oct. 18, 2024	Oct. 17, 2025	Conducted (TH02-CB)
Power Meter	Anritsu	ML2495A	1210004	300MHz~40GHz	Oct. 18, 2024	Oct. 17, 2025	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-03	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH02-CB)



RADIO TEST REPORT

Report No. : FR4D1154AC

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-04	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-05	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH02-CB)
Switch	SPTCB	SP-SWI	SWI-02	1–18 GHz	Oct. 02, 2024	Oct. 01, 2025	Conducted (TH02-CB)
Test Software	SPORTON	SENSE-1524 7_DTS	V5.11.23	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.



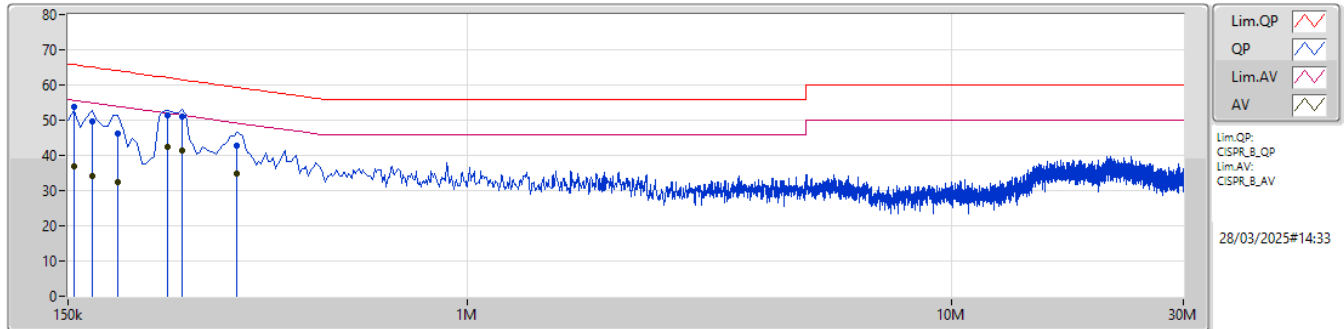
Conducted Emissions at Powerline

Appendix A

Summary

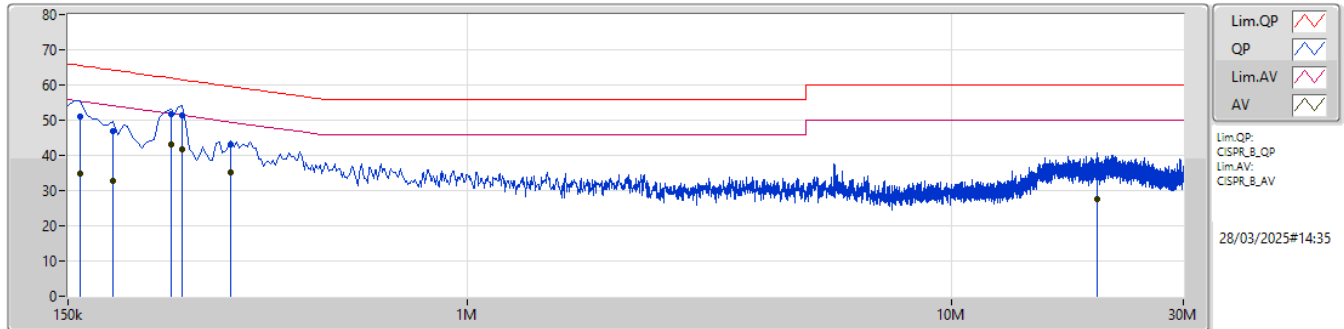
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	244.5k	43.21	51.95	-8.74	Neutral

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	154.5k	53.76	65.75	-11.99	10.04	Line	-	43.72	0.04	0.08	9.92						
AV	154.5k	36.77	55.75	-18.98	10.04	Line	-	26.73	0.04	0.08	9.92						
QP	168k	49.80	65.06	-15.26	10.05	Line	-	39.75	0.04	0.08	9.93						
AV	168k	34.19	55.06	-20.87	10.05	Line	-	24.14	0.04	0.08	9.93						
QP	190.5k	46.16	64.01	-17.85	10.05	Line	-	36.11	0.04	0.07	9.94						
AV	190.5k	32.28	54.01	-21.73	10.05	Line	-	22.23	0.04	0.07	9.94						
QP	240k	51.36	62.10	-10.74	10.10	Line	-	41.26	0.04	0.08	9.98						
AV	240k	42.53	52.10	-9.57	10.10	Line	"Worst"	32.43	0.04	0.08	9.98						
QP	258k	50.92	61.49	-10.57	10.11	Line	-	40.81	0.04	0.08	9.99						
AV	258k	41.35	51.49	-10.14	10.11	Line	-	31.24	0.04	0.08	9.99						
QP	334.5k	42.76	59.35	-16.59	10.17	Line	-	32.59	0.05	0.09	10.03						
AV	334.5k	34.72	49.35	-14.63	10.17	Line	-	24.55	0.05	0.09	10.03						

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	159k	50.88	65.52	-14.64	10.06	Neutral	-	40.82	0.06	0.08	9.92						
AV	159k	34.73	55.52	-20.79	10.06	Neutral	-	24.67	0.06	0.08	9.92						
QP	186k	47.02	64.20	-17.18	10.07	Neutral	-	36.95	0.06	0.07	9.94						
AV	186k	32.60	54.20	-21.60	10.07	Neutral	-	22.53	0.06	0.07	9.94						
QP	244.5k	51.81	61.95	-10.14	10.12	Neutral	-	41.69	0.06	0.08	9.98						
AV	244.5k	43.21	51.95	-8.74	10.12	Neutral	"Worst"	33.09	0.06	0.08	9.98						
QP	258k	51.25	61.49	-10.24	10.13	Neutral	-	41.12	0.06	0.08	9.99						
AV	258k	41.76	51.49	-9.73	10.13	Neutral	-	31.63	0.06	0.08	9.99						
QP	325.5k	43.12	59.56	-16.44	10.18	Neutral	-	32.94	0.06	0.09	10.03						
AV	325.5k	35.09	49.56	-14.47	10.18	Neutral	-	24.91	0.06	0.09	10.03						
QP	19.964M	34.12	60.00	-25.88	10.57	Neutral	-	23.55	0.30	0.33	9.94						
AV	19.964M	27.46	50.00	-22.54	10.57	Neutral	-	16.89	0.30	0.33	9.94						



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)	692.5k	1.051M	1M05F1D	670k	1.027M
BT-LE(2Mbps)	1.135M	2.07M	2M07F1D	1.1M	2.034M

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

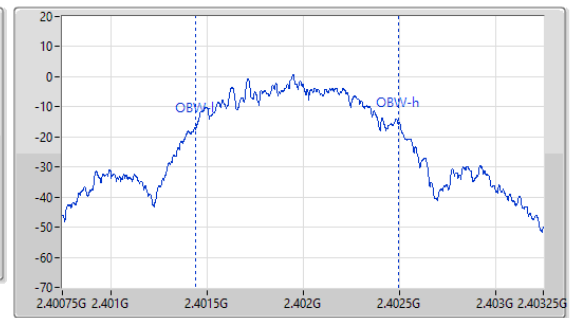
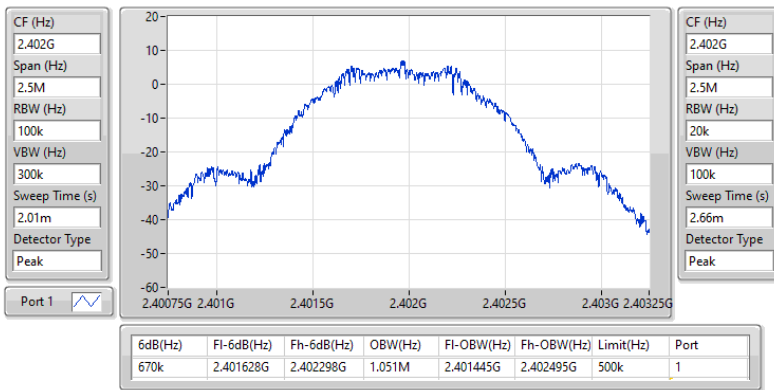
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	500k	670k	1.051M
2440MHz	Pass	500k	673.75k	1.041M
2480MHz	Pass	500k	692.5k	1.027M
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	500k	1.135M	2.034M
2440MHz	Pass	500k	1.103M	2.07M
2480MHz	Pass	500k	1.1M	2.059M

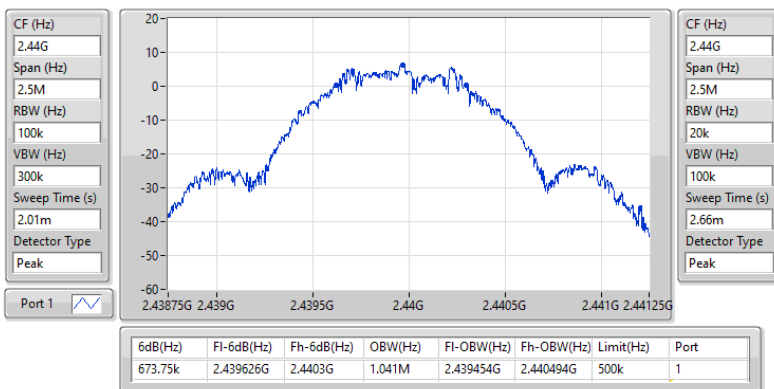
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

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

23/05/2025

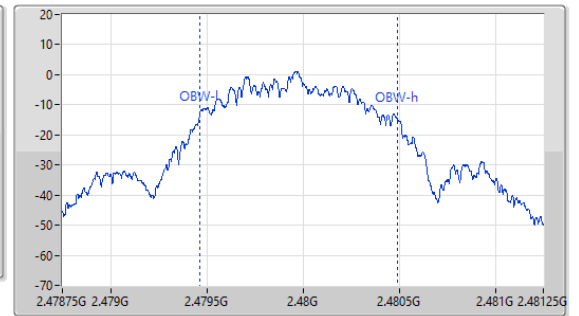
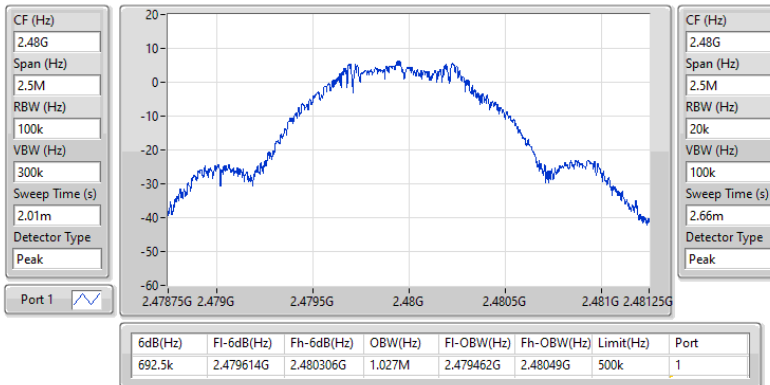

2.4-2.4835GHz_BT-LE(1Mbps)
EBW-DTS
2440MHz

23/05/2025

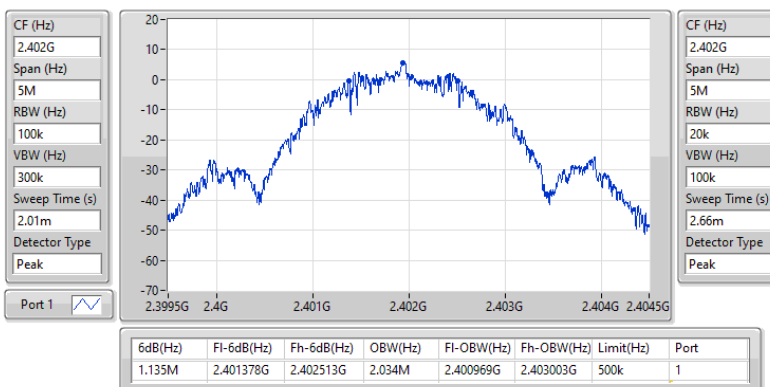


2.4-2.4835GHz_BT-LE(1Mbps)
EBW-DTS
2480MHz

23/05/2025

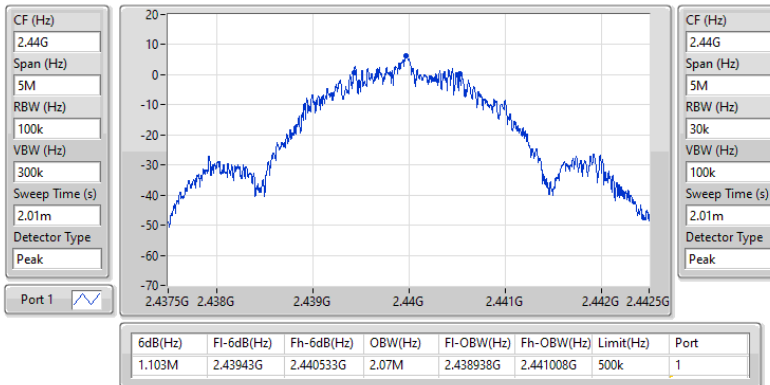

2.4-2.4835GHz_BT-LE(2Mbps)
EBW-DTS
2402MHz

23/05/2025

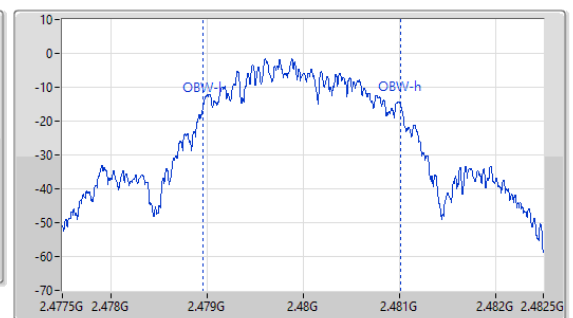
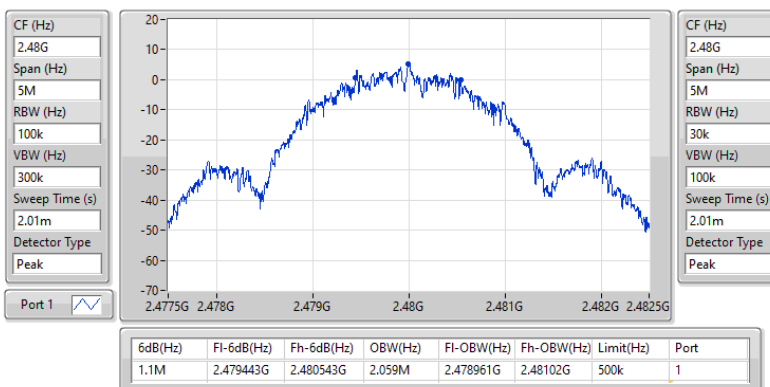


2.4-2.4835GHz_BT-LE(2Mbps)
EBW-DTS
2440MHz

23/05/2025


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

23/05/2025





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)	5.70	0.00372
BT-LE(2Mbps)	4.63	0.00290

**Result**

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	5.13	5.58	30.00
2440MHz	Pass	5.13	5.64	30.00
2480MHz	Pass	5.13	5.70	30.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	5.13	4.63	30.00
2440MHz	Pass	5.13	4.56	30.00
2480MHz	Pass	5.13	4.62	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)	-9.50
BT-LE(2Mbps)	-11.64

RBW = 3kHz;

Result

Mode	Result	DG (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	5.13	-9.54	8.00
2440MHz	Pass	5.13	-9.57	8.00
2480MHz	Pass	5.13	-9.50	8.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	5.13	-11.64	8.00
2440MHz	Pass	5.13	-11.90	8.00
2480MHz	Pass	5.13	-11.88	8.00

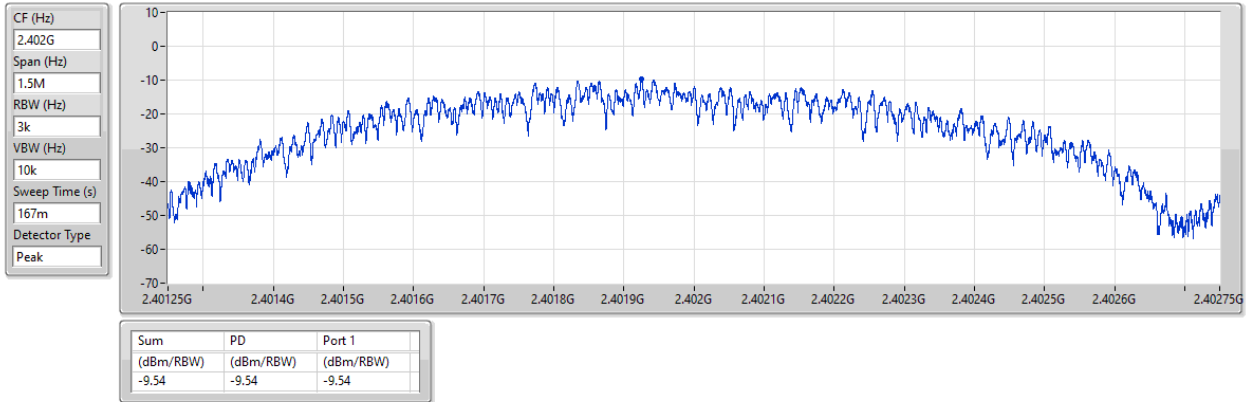
DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
Inf = There's no restriction for the limit.

2.4-2.4835GHz_BT-LE(1Mbps)

PSD

2402MHz

23/05/2025

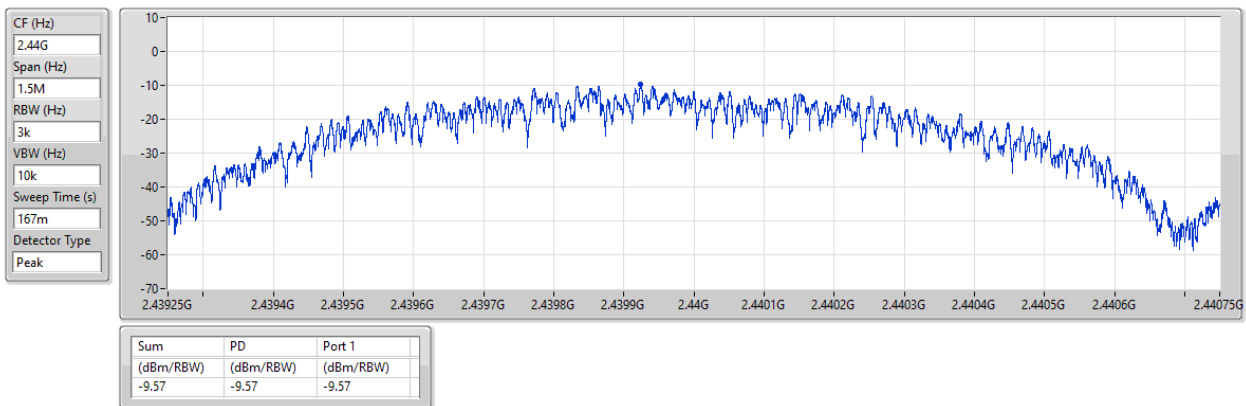


2.4-2.4835GHz_BT-LE(1Mbps)

PSD

2440MHz

23/05/2025

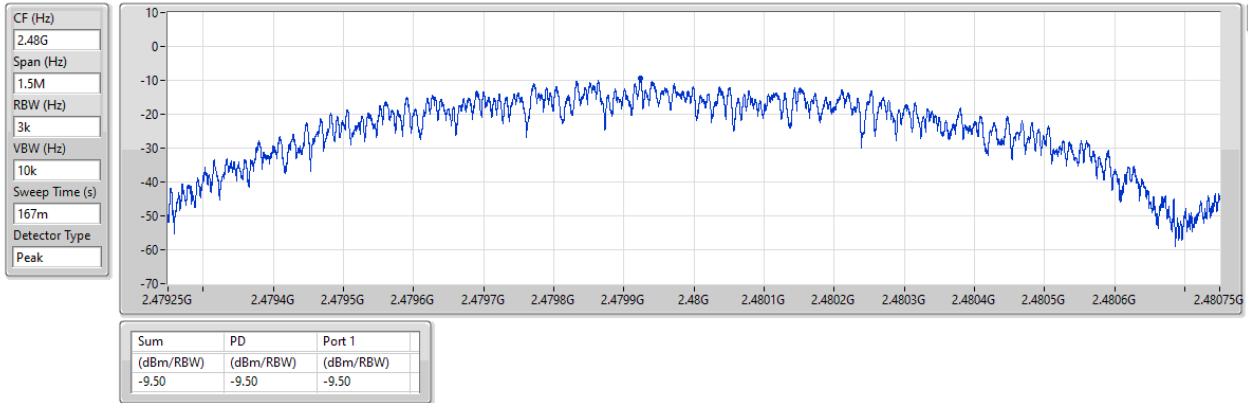


2.4-2.4835GHz_BT-LE(1Mbps)

PSD

2480MHz

23/05/2025

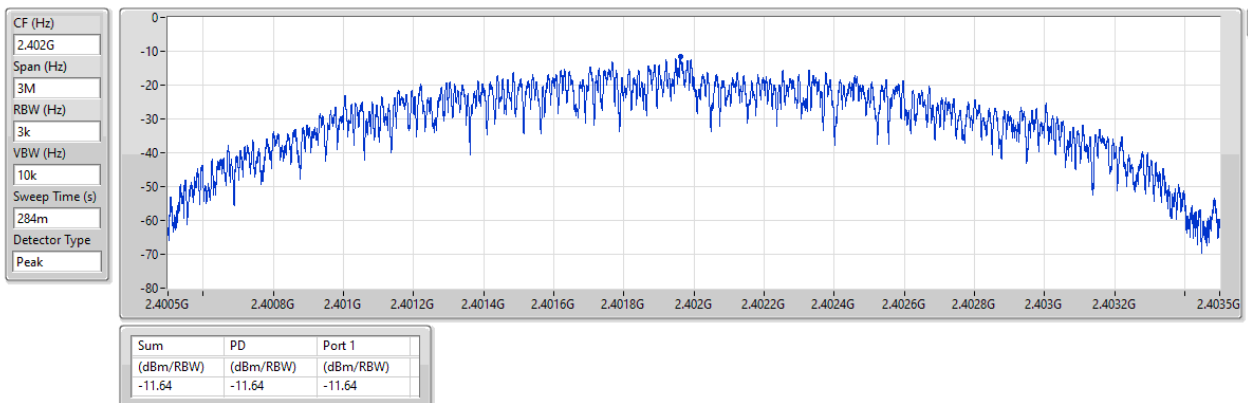


2.4-2.4835GHz_BT-LE(2Mbps)

PSD

2402MHz

23/05/2025

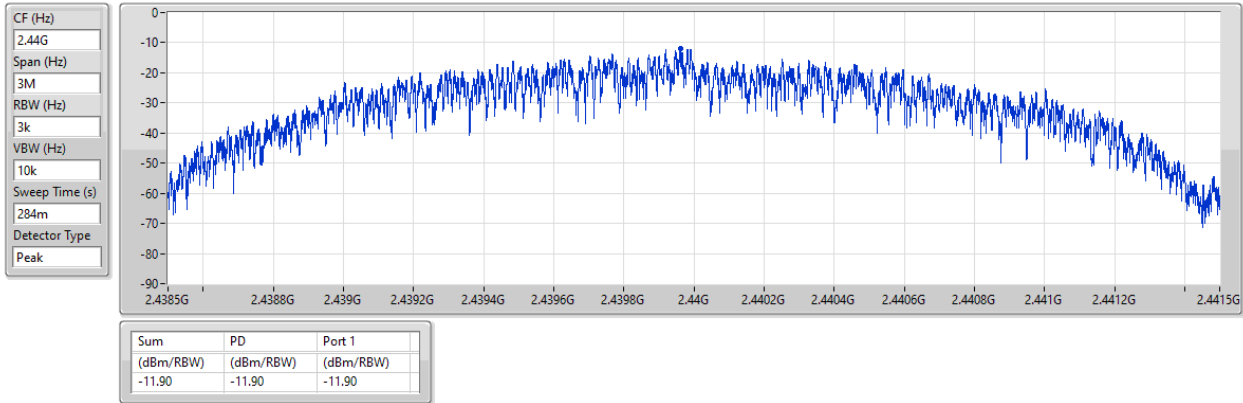


2.4-2.4835GHz_BT-LE(2Mbps)

PSD

2440MHz

23/05/2025

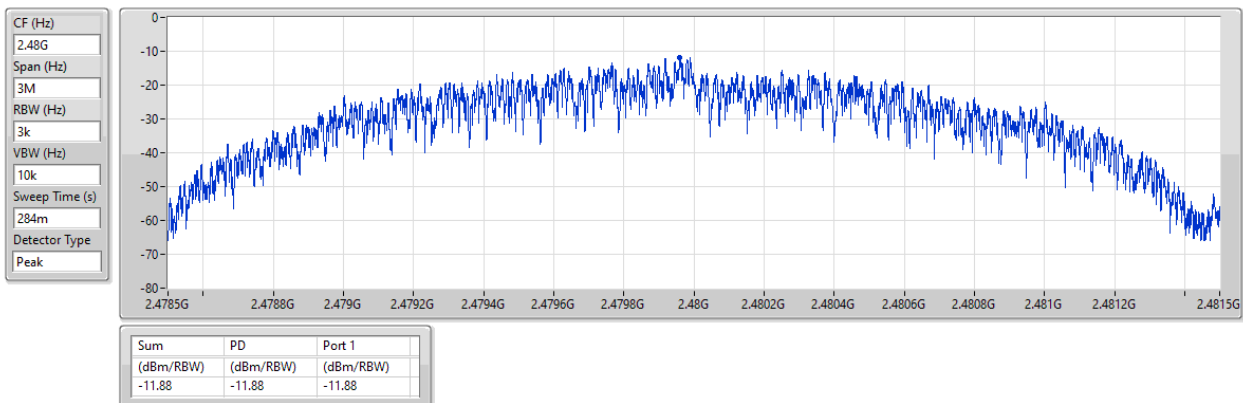


2.4-2.4835GHz_BT-LE(2Mbps)

PSD

2480MHz

23/05/2025





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	2.47999G	6.10	-23.90	1.96053G	-53.93	2.4G	-45.90	2.4G	-43.80	2.5027G	-53.47	21.65365G	-47.99	1
BT-LE(2Mbps)	Pass	2.40184G	6.18	-23.82	51.15M	-41.56	2.39996G	-26.62	2.4G	-28.66	2.50074G	-54.60	5.92859G	-48.79	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	2.47999G	6.10	-23.90	1.96053G	-53.93	2.4G	-45.90	2.4G	-43.80	2.5027G	-53.47	21.65365G	-47.99	1
2440MHz	Pass	2.47999G	6.10	-23.90	34.7M	-53.52	2.395G	-53.30	2.4G	-56.16	2.5035G	-53.97	21.67333G	-47.69	1
2480MHz	Pass	2.47999G	6.10	-23.90	1.85125G	-53.33	2.3934G	-53.88	2.4G	-57.26	2.50298G	-53.66	21.90111G	-48.94	1
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40184G	6.18	-23.82	51.15M	-41.56	2.39996G	-26.62	2.4G	-28.66	2.50074G	-54.60	5.92859G	-48.79	1
2440MHz	Pass	2.40184G	6.18	-23.82	2.30245G	-51.94	2.39608G	-53.63	2.4G	-55.13	2.50186G	-53.28	21.69864G	-48.21	1
2480MHz	Pass	2.40184G	6.18	-23.82	2.04278G	-52.74	2.3974G	-53.84	2.4G	-55.34	2.50086G	-54.14	21.99953G	-48.72	1

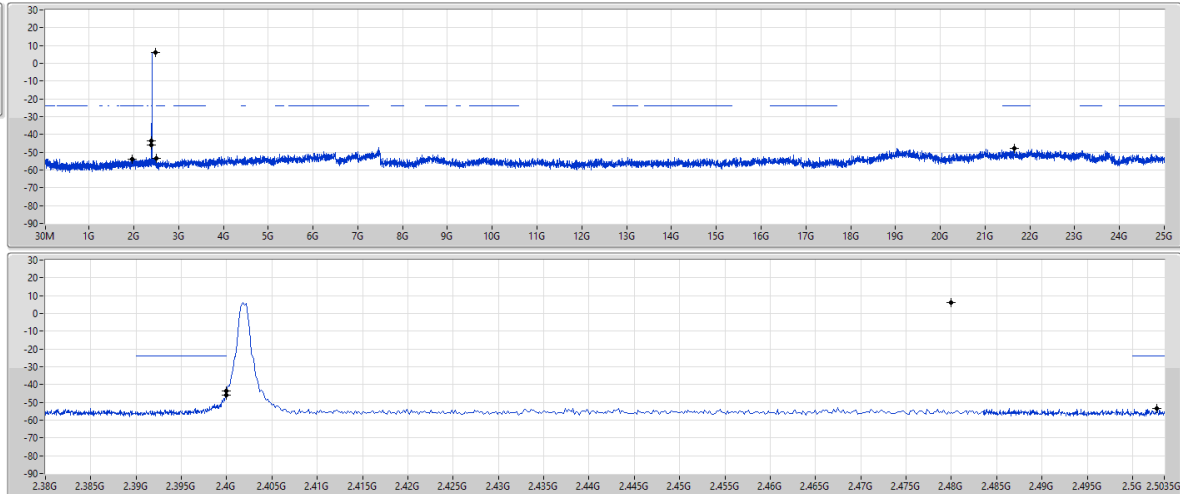
2.4-2.4835GHz_BT-LE(1Mbps)

CSEndB-DTS

2402MHz

23/05/2025

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
2.47999G	6.10	-23.90	1.96053G	-53.93	2.4G	-45.90	2.4G	-43.80	2.5027G	-53.47	21.65365G	-47.99	1

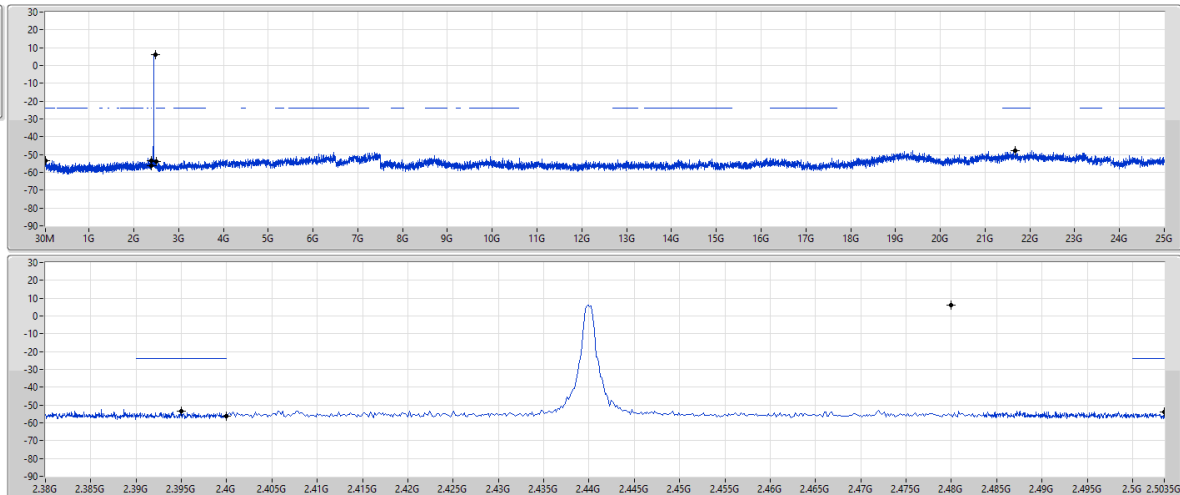
2.4-2.4835GHz_BT-LE(1Mbps)

CSEndB-DTS

2440MHz

23/05/2025

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

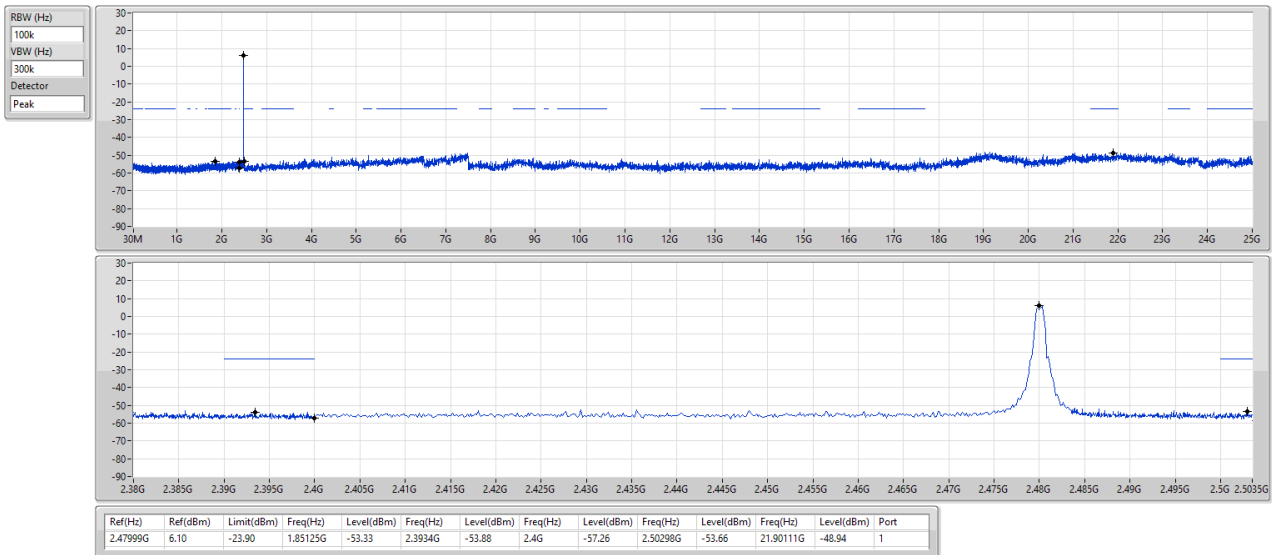


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.47999G	6.10	-23.90	34.7M	-53.52	2.395G	-53.30	2.4G	-56.16	2.5035G	-53.97	21.67333G	-47.69	1

2.4-2.4835GHz_BT-LE(1Mbps)

CSEndB-DTS

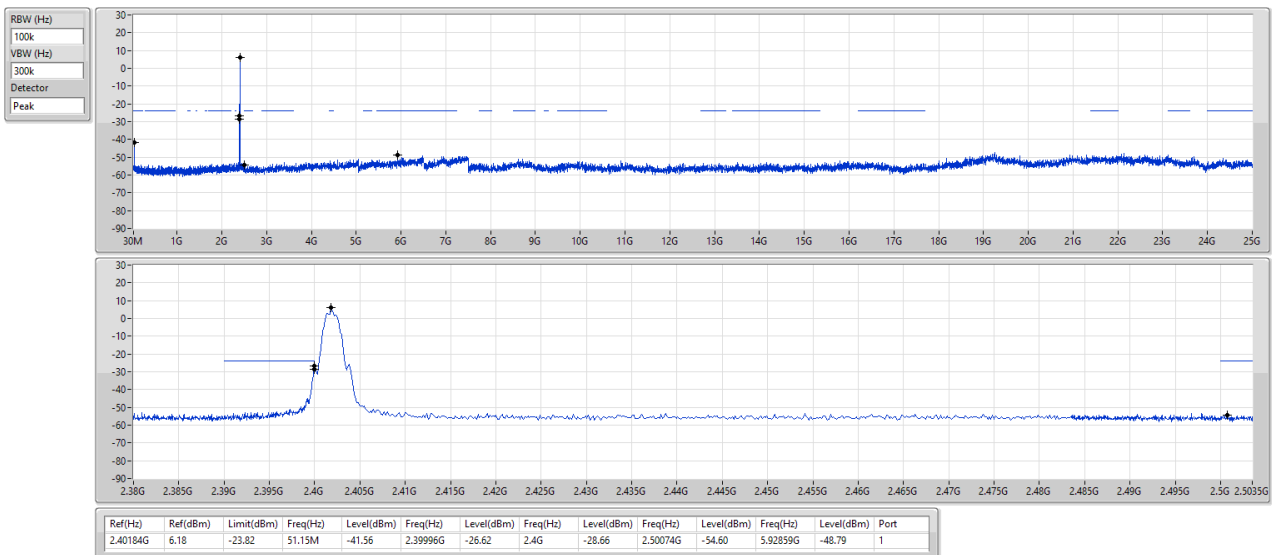
2480MHz



2.4-2.4835GHz_BT-LE(2Mbps)

CSEndB-DTS

2402MHz

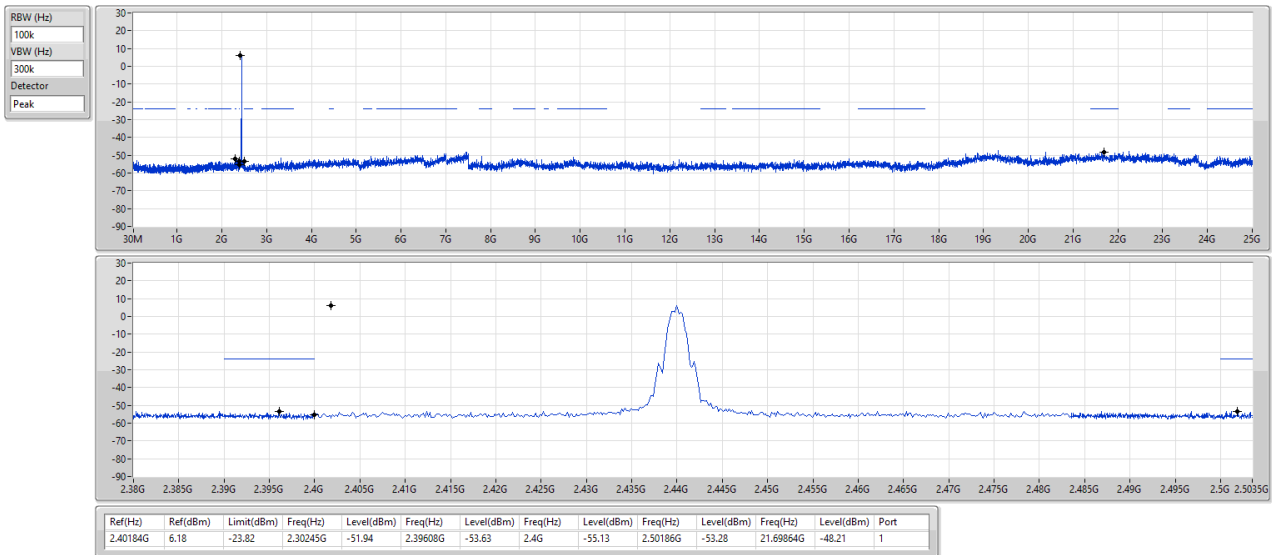


2.4-2.4835GHz_BT-LE(2Mbps)

CSEndB-DTS

2440MHz

23/05/2025

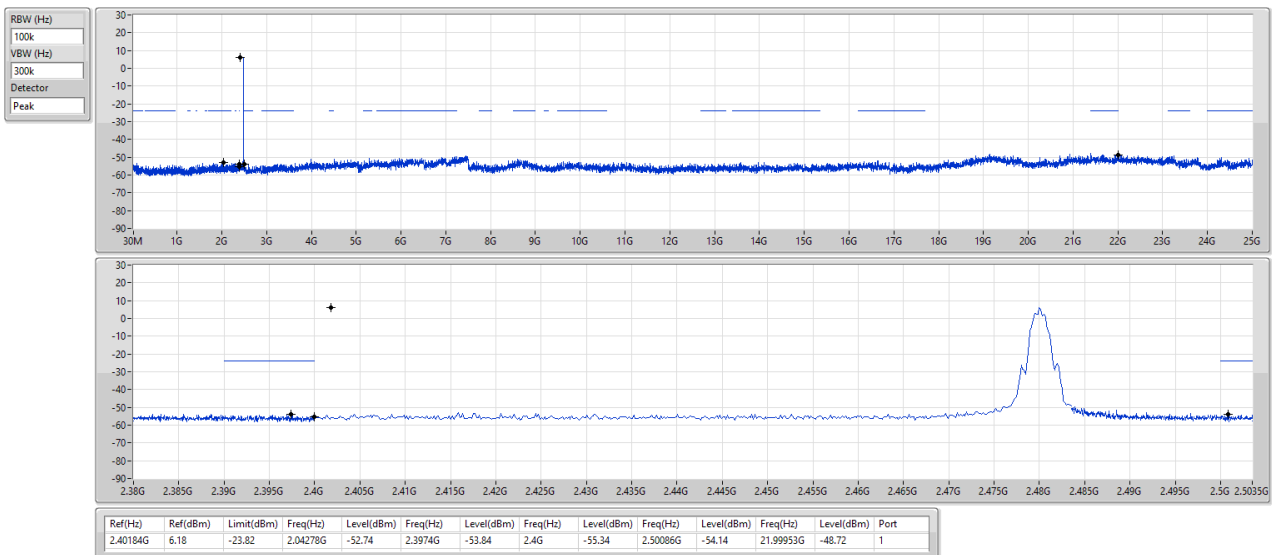


2.4-2.4835GHz_BT-LE(2Mbps)

CSEndB-DTS

2480MHz

23/05/2025





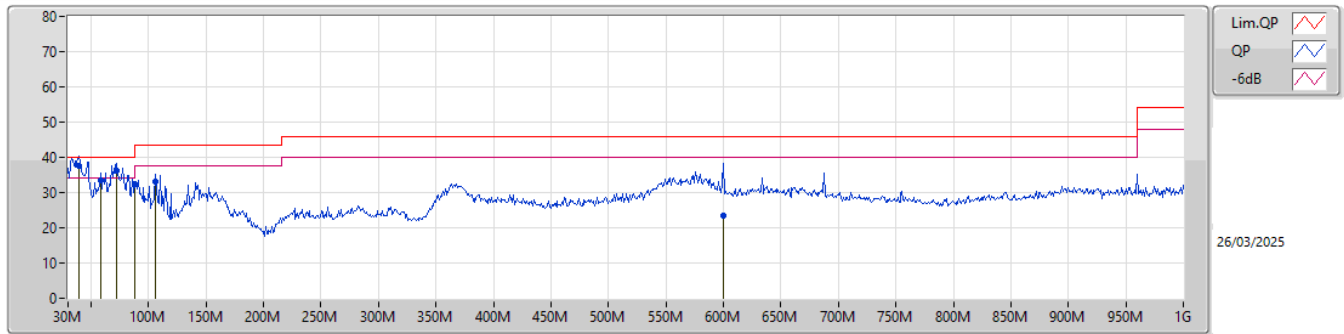
Radiated Emissions below 1GHz

Appendix F.1

Summary

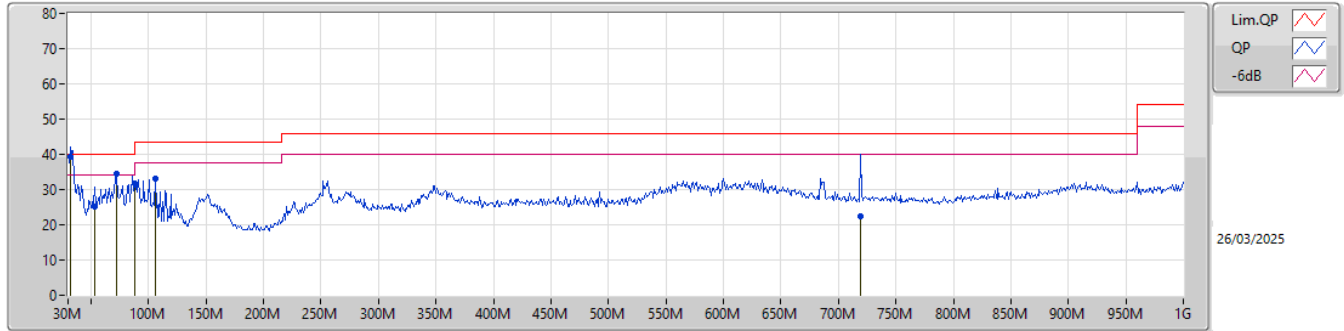
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	QP	31.94M	39.17	40.00	-0.83	Horizontal

Mode 1



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	39.7M	37.72	40.00	-2.28	-11.29	3	Vertical	19	1.00	"Worst"	49.01	18.68	0.56	30.53		
QP	58.13M	33.50	40.00	-6.50	-17.98	3	Vertical	80	1.00	-	51.48	12.55	0.70	31.23		
QP	72.68M	36.16	40.00	-3.84	-17.64	3	Vertical	90	1.25	-	53.80	12.30	0.80	30.74		
QP	88M	32.43	43.50	-11.07	-15.41	3	Vertical	103	1.25	-	47.84	14.51	0.91	30.83		
QP	105.66M	33.19	43.50	-10.31	-12.39	3	Vertical	90	1.25	-	45.58	17.38	1.01	30.78		
QP	600.36M	23.52	46.00	-22.48	-4.01	3	Vertical	298	1.25	-	27.53	25.08	2.66	31.75		

Mode 1



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	31.94M	39.17	40.00	-0.83	-7.38	3	Horizontal	343	1.50	"Worst"	46.55	23.05	0.48	30.91		
QP	53.28M	25.02	40.00	-14.98	-17.48	3	Horizontal	195	1.50	-	42.50	12.94	0.66	31.08		
QP	72.68M	34.64	40.00	-5.36	-17.64	3	Horizontal	0	1.00	-	52.28	12.30	0.80	30.74		
QP	88M	31.56	43.50	-11.94	-15.41	3	Horizontal	305	2.00	-	46.97	14.51	0.91	30.83		
QP	105.66M	32.99	43.50	-10.51	-12.39	3	Horizontal	19	1.50	-	45.38	17.38	1.01	30.78		
QP	719.67M	22.45	46.00	-23.55	-3.67	3	Horizontal	164	1.00	-	26.12	25.38	2.89	31.94		

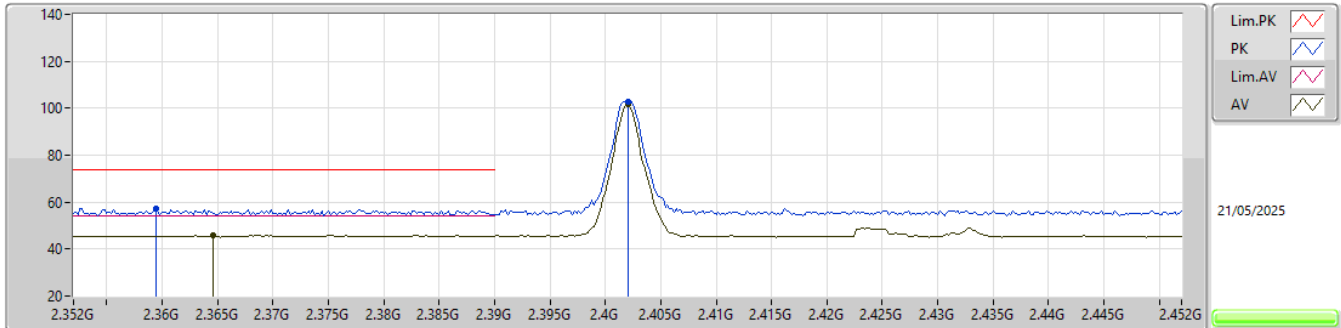


Summary

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	51.29	54.00	-2.71	3	Vertical	31	1.78	-

2.4-2.4835GHz_BT-LE(1Mbps)

2402MHz_TX

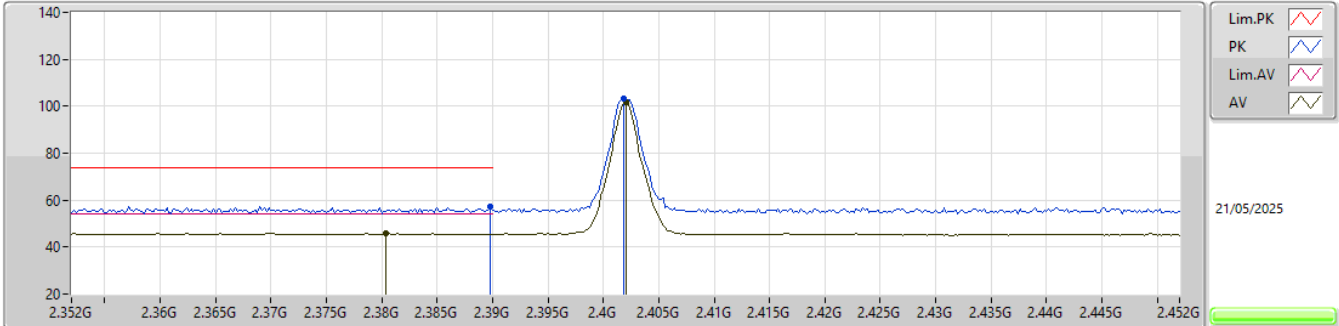


EUT_Y_1TX
Setting Default
02-D-N-2

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	2.3594G	57.34	74.00	-16.66	25.00	3	Vertical	47	1.87	-	28.30	4.04	-				
AV	2.3646G	45.77	54.00	-8.23	13.37	3	Vertical	47	1.87	-	28.35	4.05	-				
PK	2.402G	103.00	Inf	-Inf	70.53	3	Vertical	47	1.87	-	28.40	4.07	-				
AV	2.402G	101.48	Inf	-Inf	69.01	3	Vertical	47	1.87	-	28.40	4.07	-				

2.4-2.4835GHz_BT-LE(1Mbps)

2402MHz_TX

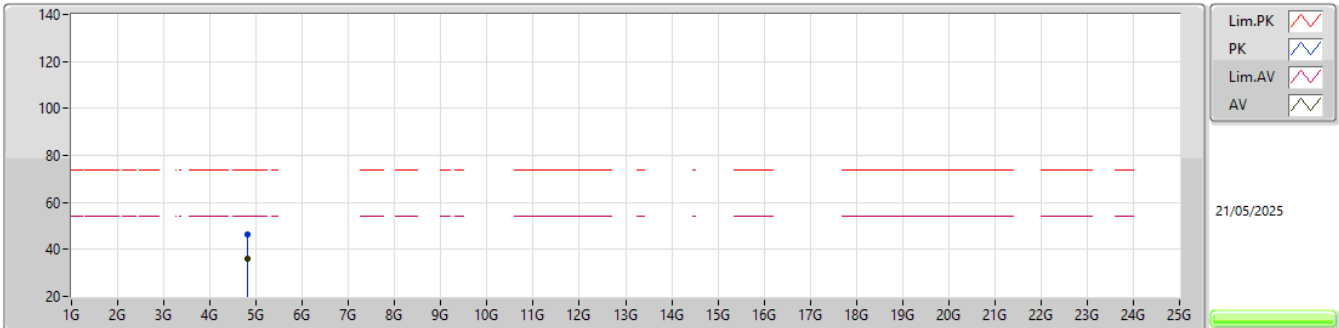


EUT_Y_1TX
Setting Default
02-D-N-2

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	57.37	74.00	-16.63	24.81	3	Horizontal	47	1.89	-	28.50	4.06	-				
AV	2.3804G	45.83	54.00	-8.17	13.27	3	Horizontal	47	1.89	-	28.50	4.06	-				
PK	2.4018G	103.02	Inf	-Inf	70.55	3	Horizontal	47	1.89	-	28.40	4.07	-				
AV	2.402G	101.53	Inf	-Inf	69.06	3	Horizontal	47	1.89	-	28.40	4.07	-				

2.4-2.4835GHz_BT-LE(1Mbps)

2402MHz_TX

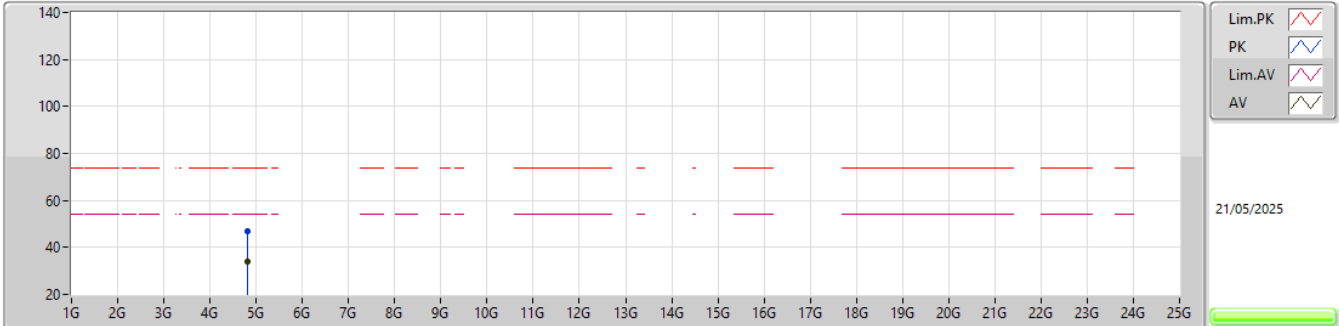


EUT_V_1TX
Setting Default
02-D-K-3

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	4.80197G	46.54	74.00	-27.46	37.87	3	Vertical	76	2.34	-	32.90	6.77	31.00			
AV	4.80365G	36.04	54.00	-17.96	27.36	3	Vertical	76	2.34	-	32.91	6.77	31.00			

2.4-2.4835GHz_BT-LE(1Mbps)

2402MHz_TX

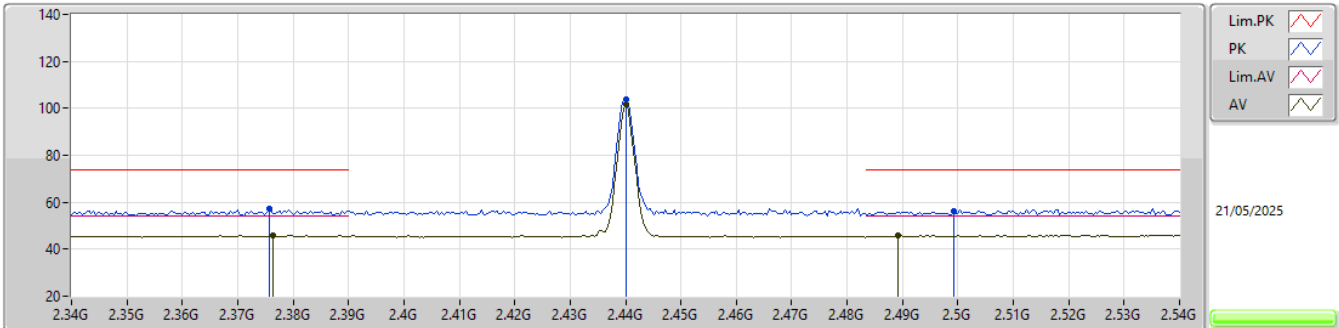


EUT_V_1TX
Setting Default
02-D-K-3

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	4.80178G	46.71	74.00	-27.29	38.04	3	Horizontal	63	2.39	-	32.90	6.77	31.00			
AV	4.80376G	34.21	54.00	-19.79	25.53	3	Horizontal	63	2.39	-	32.91	6.77	31.00			

2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_TX

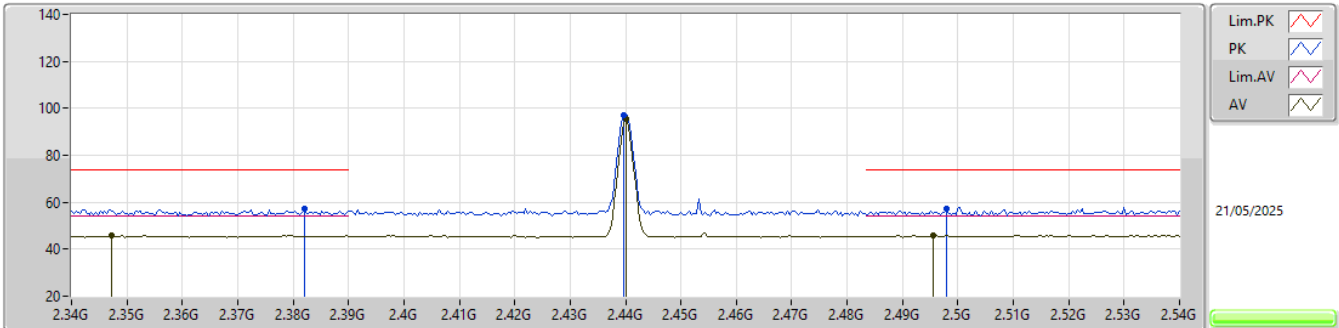


EUT_Y_1TX
Setting Default
02-D-K-3

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	2.3756G	57.02	74.00	-16.98	24.51	3	Vertical	182	1.56	-	28.46	4.05	-			
AV	2.3764G	46.03	54.00	-7.97	13.52	3	Vertical	182	1.56	-	28.46	4.05	-			
PK	2.44G	103.61	Inf	-Inf	71.11	3	Vertical	182	1.56	-	28.40	4.10	-			
AV	2.44G	101.80	Inf	-Inf	69.30	3	Vertical	182	1.56	-	28.40	4.10	-			
PK	2.4992G	56.36	74.00	-17.64	23.63	3	Vertical	182	1.56	-	28.59	4.14	-			
AV	2.4892G	45.80	54.00	-8.20	13.17	3	Vertical	182	1.56	-	28.49	4.14	-			

2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_TX

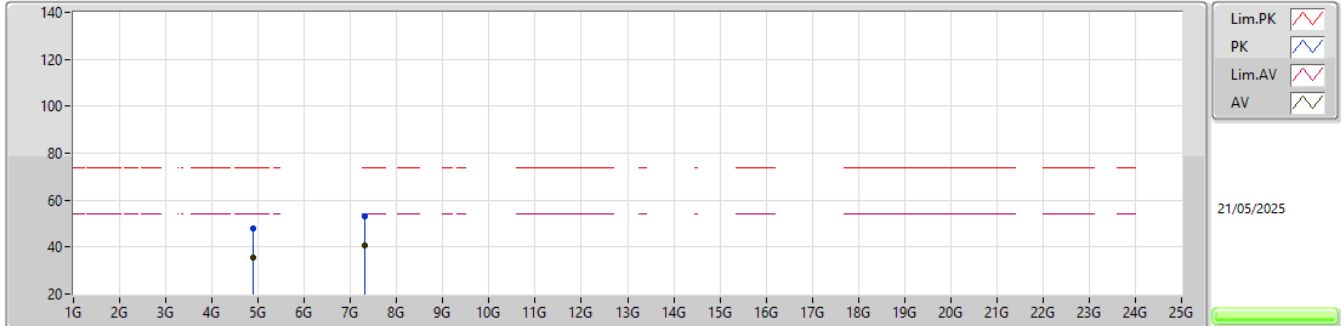


EUT_Y_1TX
Setting Default
02-D-N-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	2.382G	57.07	74.00	-16.93	24.51	3	Horizontal	108	2.80	-	28.50	4.06	-				
AV	2.3472G	45.76	54.00	-8.24	13.46	3	Horizontal	108	2.80	-	28.27	4.03	-				
PK	2.4396G	96.97	Inf	-Inf	64.47	3	Horizontal	108	2.80	-	28.40	4.10	-				
AV	2.44G	95.45	Inf	-Inf	62.95	3	Horizontal	108	2.80	-	28.40	4.10	-				
PK	2.498G	56.99	74.00	-17.01	24.27	3	Horizontal	108	2.80	-	28.58	4.14	-				
AV	2.4956G	45.72	54.00	-8.28	13.02	3	Horizontal	108	2.80	-	28.56	4.14	-				

2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_TX

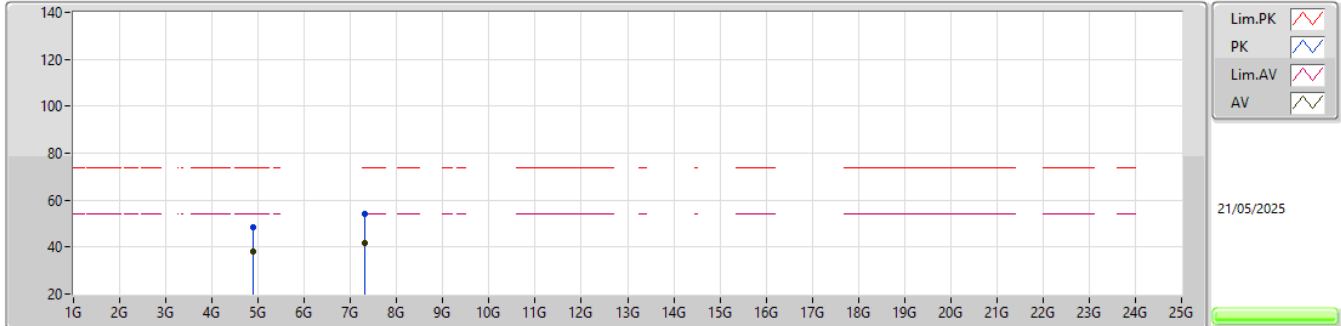


EUT_Y_1TX
Setting Default
02-D-K-3

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	4.87907G	47.68	74.00	-26.32	38.75	3	Vertical	211	1.93	-	33.12	6.81	31.00				
AV	4.87958G	35.44	54.00	-18.56	26.51	3	Vertical	211	1.93	-	33.12	6.81	31.00				
PK	7.3187G	52.98	74.00	-21.02	38.50	3	Vertical	178	1.80	-	36.54	9.37	31.43				
AV	7.31757G	40.73	54.00	-13.27	26.25	3	Vertical	178	1.80	-	36.54	9.37	31.43				

2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_TX

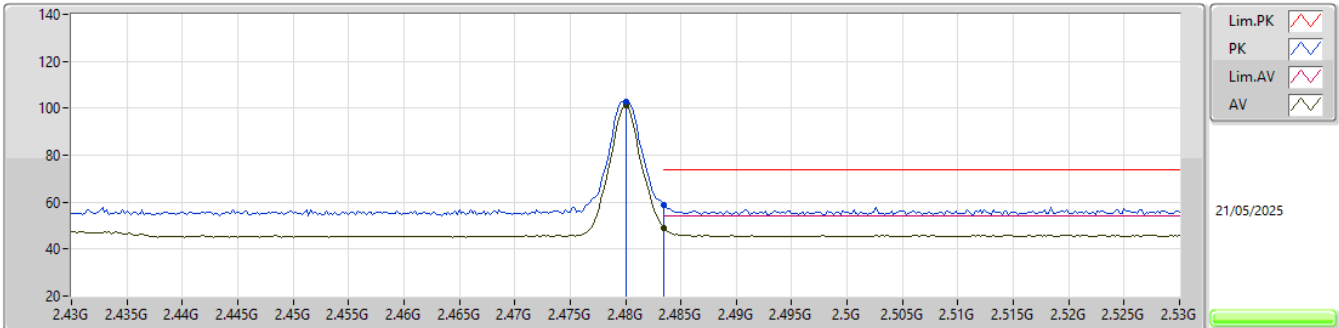


EUT_Y_1TX
Setting Default
02-D-K-3

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	4.87949G	48.44	74.00	-25.56	39.51	3	Horizontal	47	2.44	-	33.12	6.81	31.00				
AV	4.8796G	37.86	54.00	-16.14	28.93	3	Horizontal	47	2.44	-	33.12	6.81	31.00				
PK	7.31923G	53.93	74.00	-20.07	39.45	3	Horizontal	26	1.80	-	36.54	9.37	31.43				
AV	7.3204G	41.77	54.00	-12.23	27.29	3	Horizontal	26	1.80	-	36.54	9.37	31.43				

2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX

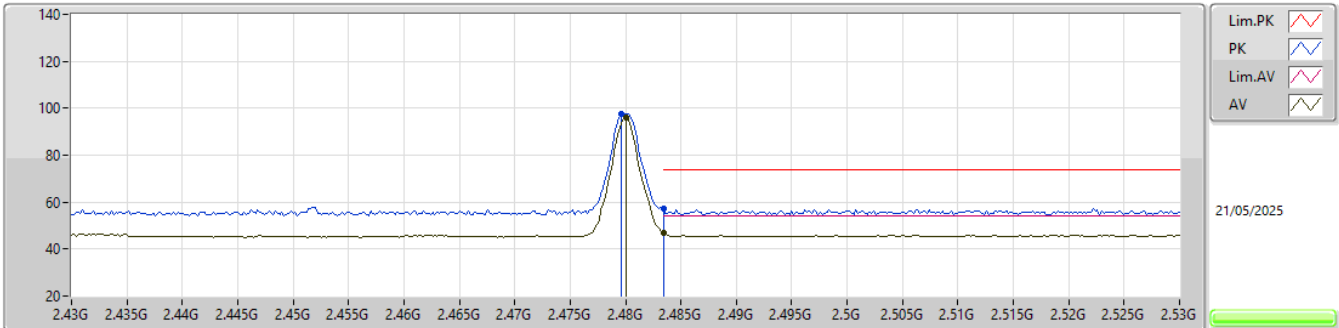


EUT Y_1TX
Setting Default
02-D-K-3

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	2.48G	102.67	Inf	-Inf	70.14	3	Vertical	29	1.53	-	28.40	4.13	-				
AV	2.48G	101.18	Inf	-Inf	68.65	3	Vertical	29	1.53	-	28.40	4.13	-				
PK	2.4835G	58.65	74.00	-15.35	26.09	3	Vertical	29	1.53	-	28.43	4.13	-				
AV	2.4835G	49.15	54.00	-4.85	16.59	3	Vertical	29	1.53	-	28.43	4.13	-				

2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX

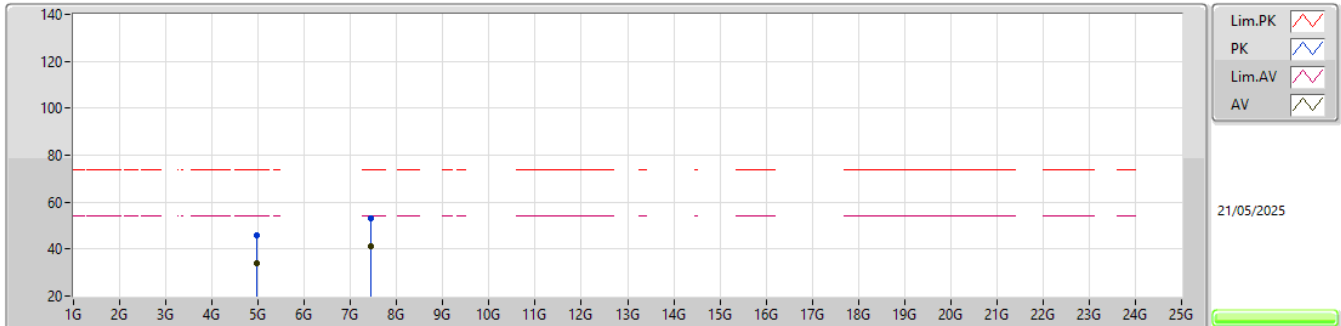


EUT_Y_1TX
Setting Default
02-D-K-3

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	2.4796G	97.45	Inf	-Inf	64.92	3	Horizontal	175	2.36	-	28.40	4.13	-				
AV	2.48G	96.00	Inf	-Inf	63.47	3	Horizontal	175	2.36	-	28.40	4.13	-				
PK	2.4835G	57.05	74.00	-16.95	24.48	3	Horizontal	175	2.36	-	28.44	4.13	-				
AV	2.4835G	46.80	54.00	-7.20	14.23	3	Horizontal	175	2.36	-	28.44	4.13	-				

2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX

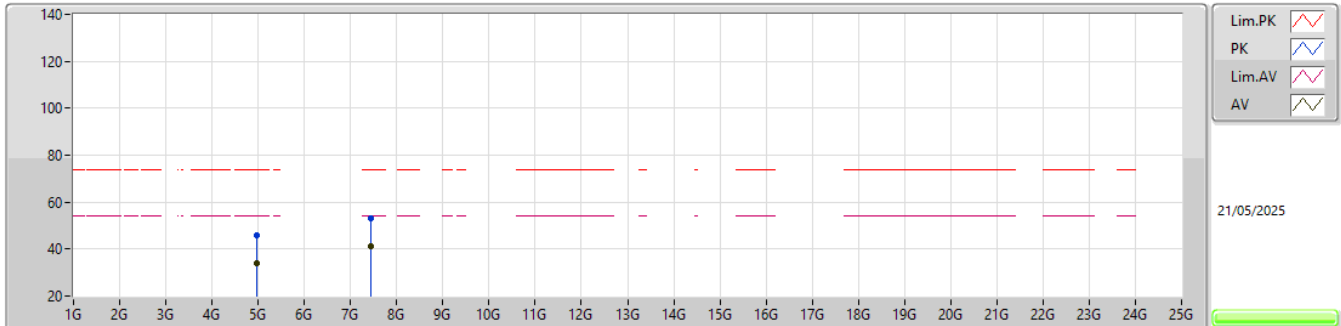


EUT_Y_1TX
Setting Default
02-D-K-3

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	4.96128G	45.82	74.00	-28.18	36.65	3	Vertical	333	2.09	-	33.32	6.86	31.01				
AV	4.95626G	33.98	54.00	-20.02	24.82	3	Vertical	333	2.09	-	33.31	6.86	31.01				
PK	7.43837G	53.30	74.00	-20.70	38.67	3	Vertical	112	1.17	-	36.70	9.36	31.43				
AV	7.44026G	41.21	54.00	-12.79	26.58	3	Vertical	112	1.17	-	36.70	9.36	31.43				

2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX

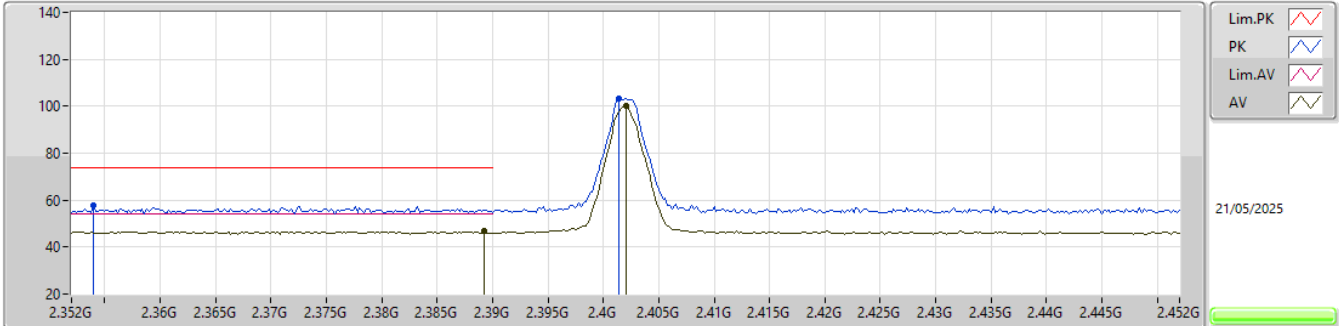


EUT_Y_1TX
Setting Default
02-D-K-3

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	4.96398G	46.10	74.00	-27.90	36.92	3	Horizontal	136	1.08	-	33.33	6.86	31.01				
AV	4.9581G	33.97	54.00	-20.03	24.80	3	Horizontal	136	1.08	-	33.32	6.86	31.01				
PK	7.4421G	53.10	74.00	-20.90	38.47	3	Horizontal	22	2.95	-	36.70	9.36	31.43				
AV	7.4405G	41.24	54.00	-12.76	26.61	3	Horizontal	22	2.95	-	36.70	9.36	31.43				

2.4-2.4835GHz_BT-LE(2Mbps)

2402MHz_TX

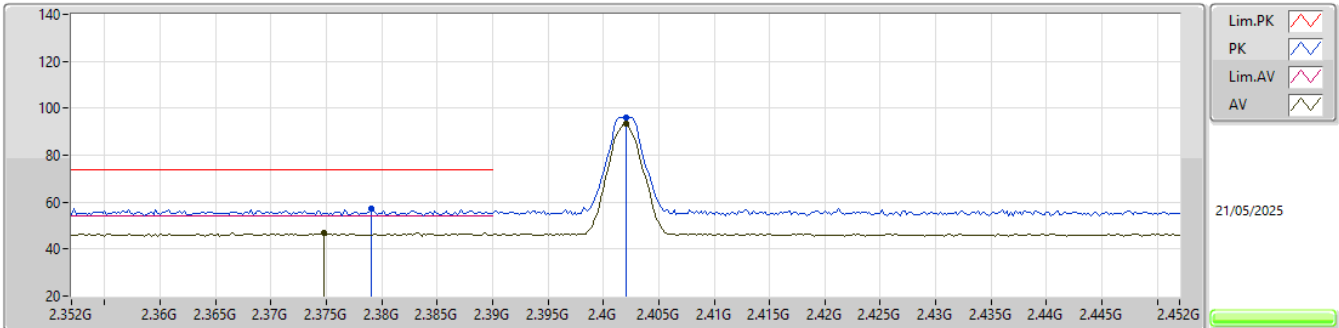


EUT_Y_1TX
Setting Default
02-D-K-3

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	2.354G	57.56	74.00	-16.44	25.22	3	Vertical	49	1.86	-	28.30	4.04	-			
AV	2.3892G	46.72	54.00	-7.28	14.16	3	Vertical	49	1.86	-	28.50	4.06	-			
PK	2.4014G	103.11	Inf	-Inf	70.64	3	Vertical	49	1.86	-	28.40	4.07	-			
AV	2.402G	100.29	Inf	-Inf	67.82	3	Vertical	49	1.86	-	28.40	4.07	-			

2.4-2.4835GHz_BT-LE(2Mbps)

2402MHz_TX

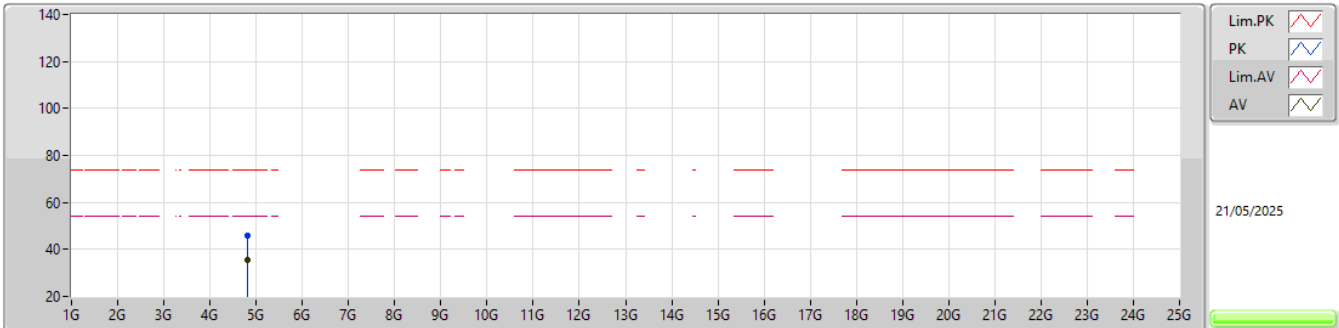


EUT Y_1TX
Setting Default
02-D-K-3

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	2.379G	57.30	74.00	-16.70	24.75	3	Horizontal	100	1.82	-	28.49	4.06	-				
AV	2.3748G	46.96	54.00	-7.04	14.46	3	Horizontal	100	1.82	-	28.45	4.05	-				
PK	2.402G	96.28	Inf	-Inf	63.81	3	Horizontal	100	1.82	-	28.40	4.07	-				
AV	2.402G	93.44	Inf	-Inf	60.97	3	Horizontal	100	1.82	-	28.40	4.07	-				

2.4-2.4835GHz_BT-LE(2Mbps)

2402MHz_TX

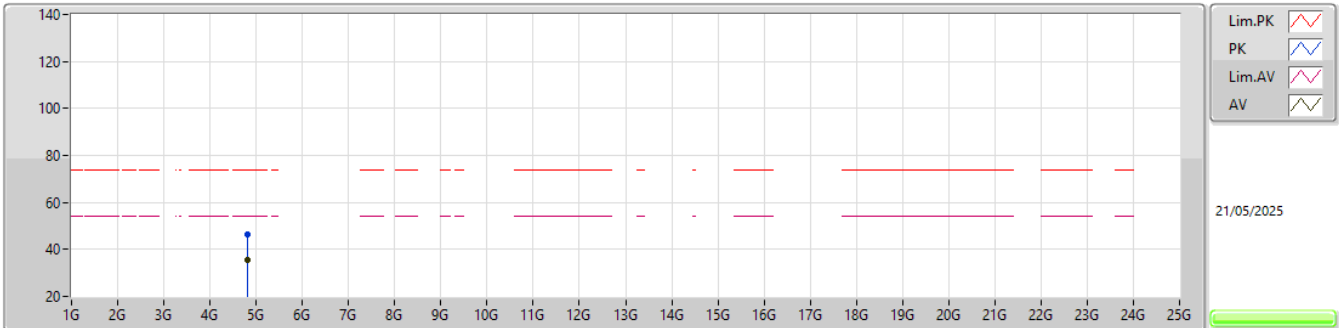


EUT_Y_1TX
Setting Default
02-D-K-3

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	4.80216G	45.98	74.00	-28.02	37.31	3	Vertical	332	2.05	-	32.90	6.77	31.00			
AV	4.80688G	35.51	54.00	-18.49	26.83	3	Vertical	332	2.05	-	32.91	6.77	31.00			

2.4-2.4835GHz_BT-LE(2Mbps)

2402MHz_TX

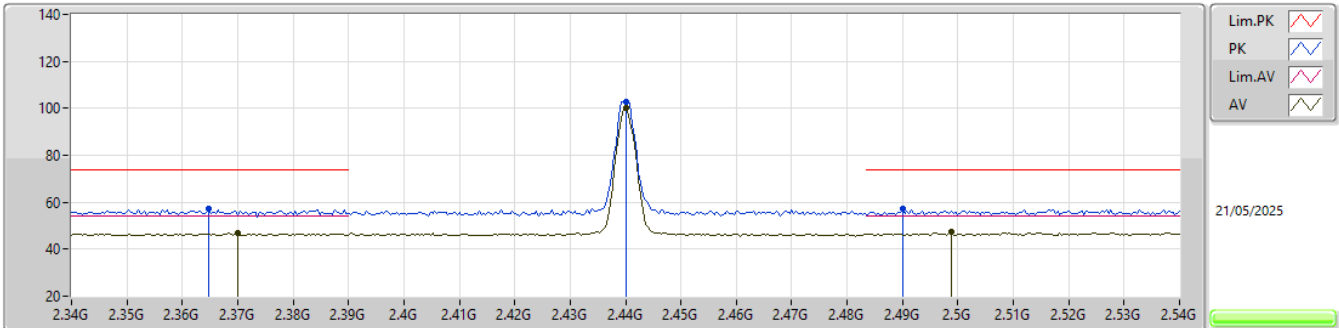


EUT_Y_1TX
Setting Default
02-D-K-3

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	4.80309G	46.14	74.00	-27.86	37.46	3	Horizontal	333	1.34	-	32.91	6.77	31.00			
AV	4.80398G	35.68	54.00	-18.32	27.00	3	Horizontal	333	1.34	-	32.91	6.77	31.00			

2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_TX

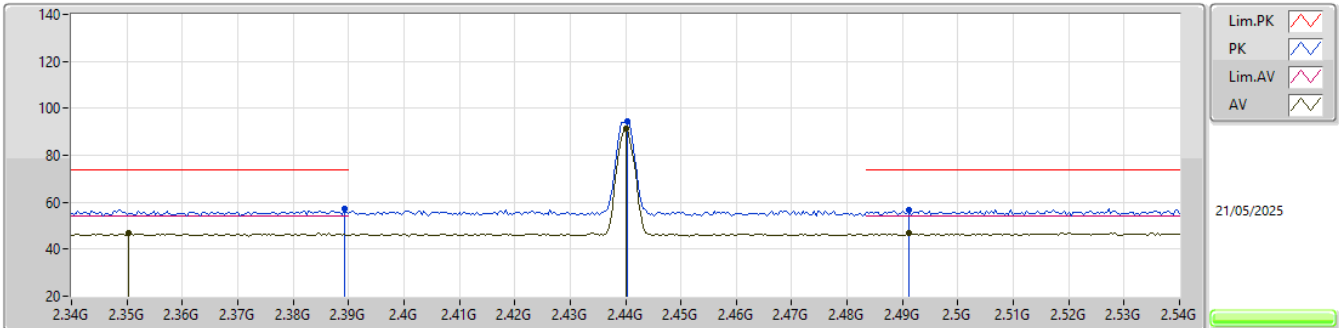


EUT_Y_1TX
Setting Default
02-D-K-3

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	2.3648G	57.08	74.00	-16.92	24.68	3	Vertical	174	1.02	-	28.35	4.05	-				
AV	2.37G	46.96	54.00	-7.04	14.51	3	Vertical	174	1.02	-	28.40	4.05	-				
PK	2.44G	102.94	Inf	-Inf	70.44	3	Vertical	174	1.02	-	28.40	4.10	-				
AV	2.44G	100.14	Inf	-Inf	67.64	3	Vertical	174	1.02	-	28.40	4.10	-				
PK	2.49G	57.12	74.00	-16.88	24.48	3	Vertical	174	1.02	-	28.50	4.14	-				
AV	2.4988G	47.20	54.00	-6.80	14.47	3	Vertical	174	1.02	-	28.59	4.14	-				

2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_TX

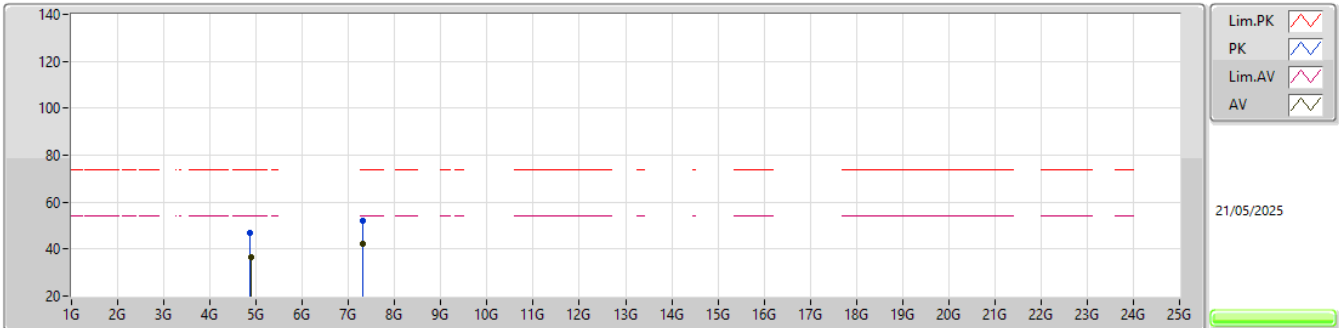


EUT_Y_1TX
Setting Default
02-D-K-3

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	2.3892G	57.38	74.00	-16.62	24.82	3	Horizontal	94	1.63	-	28.50	4.06	-					
AV	2.3504G	46.99	54.00	-7.01	14.65	3	Horizontal	94	1.63	-	28.30	4.04	-					
PK	2.4404G	94.29	Inf	-Inf	61.79	3	Horizontal	94	1.63	-	28.40	4.10	-					
AV	2.44G	91.43	Inf	-Inf	58.93	3	Horizontal	94	1.63	-	28.40	4.10	-					
PK	2.4912G	56.52	74.00	-17.48	23.87	3	Horizontal	94	1.63	-	28.51	4.14	-					
AV	2.4912G	46.66	54.00	-7.34	14.01	3	Horizontal	94	1.63	-	28.51	4.14	-					

2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_TX

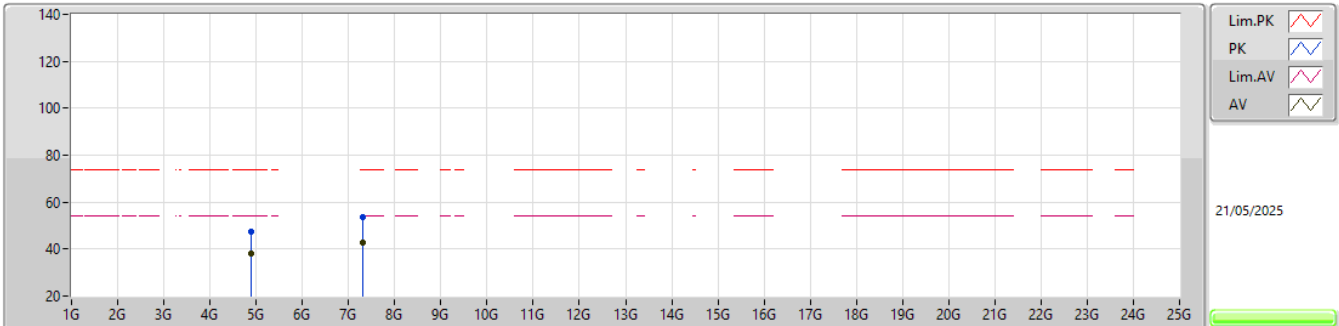


EUT_Y_1TX
Setting Default
02-D-K-3

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	4.8751G	46.66	74.00	-27.34	37.75	3	Vertical	199	1.76	-	33.10	6.81	31.00				
AV	4.88096G	36.39	54.00	-17.61	27.46	3	Vertical	199	1.76	-	33.12	6.81	31.00				
PK	7.31736G	52.31	74.00	-21.69	37.84	3	Vertical	52	1.19	-	36.53	9.37	31.43				
AV	7.32064G	42.00	54.00	-12.00	27.52	3	Vertical	52	1.19	-	36.54	9.37	31.43				

2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_TX

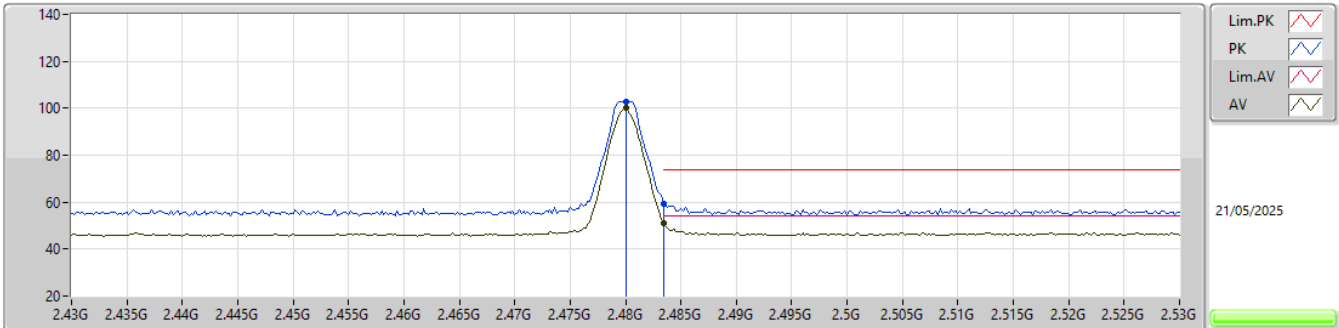


EUT_Y_1TX
Setting Default
02-D-K-3

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	4.88016G	47.49	74.00	-26.51	38.56	3	Horizontal	56	2.63	-	33.12	6.81	31.00				
AV	4.88002G	38.21	54.00	-15.79	29.28	3	Horizontal	56	2.63	-	33.12	6.81	31.00				
PK	7.31858G	53.55	74.00	-20.45	39.07	3	Horizontal	41	1.72	-	36.54	9.37	31.43				
AV	7.31846G	42.85	54.00	-11.15	28.37	3	Horizontal	41	1.72	-	36.54	9.37	31.43				

2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX

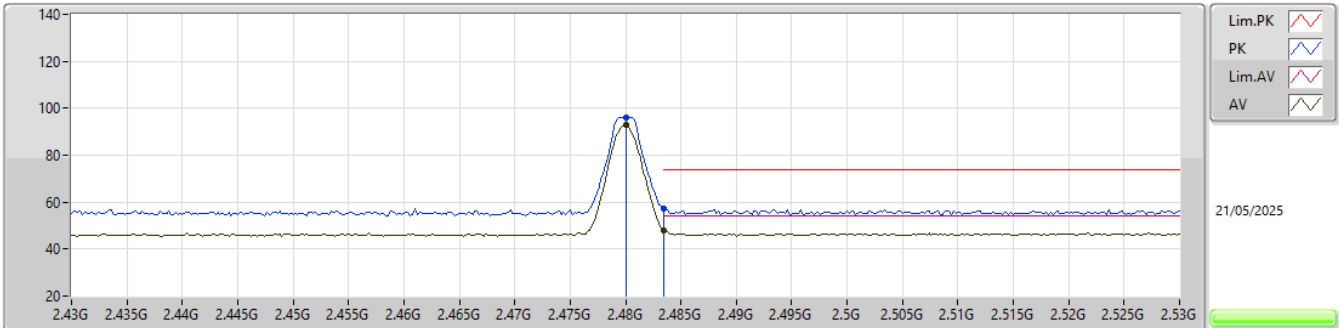


EUT Y_1TX
Setting Default
02-D-K-3

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	2.48G	102.82	Inf	-Inf	70.29	3	Vertical	31	1.78	-	28.40	4.13	-					
AV	2.48G	99.92	Inf	-Inf	67.39	3	Vertical	31	1.78	-	28.40	4.13	-					
PK	2.4835G	59.27	74.00	-14.73	26.70	3	Vertical	31	1.78	-	28.44	4.13	-					
AV	2.4835G	51.29	54.00	-2.71	18.72	3	Vertical	31	1.78	-	28.44	4.13	-					

2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX

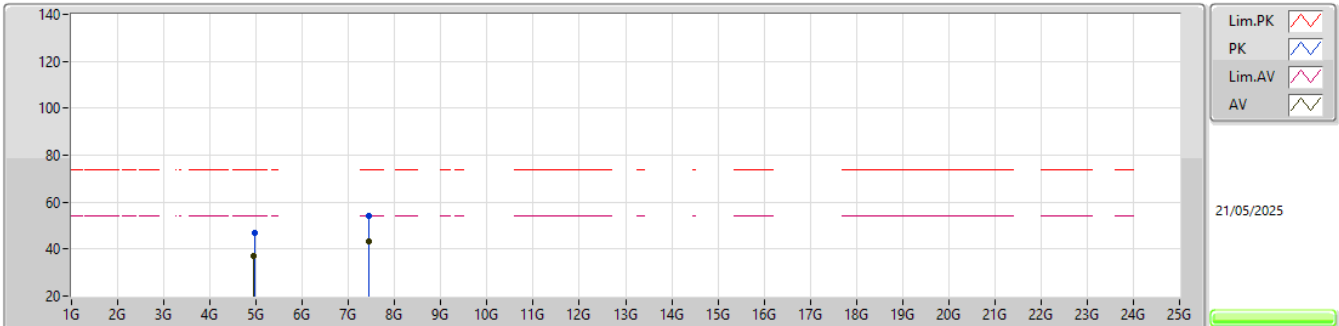


EUT_Y_1TX
Setting Default
02-D-K-3

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	2.48G	96.25	Inf	-Inf	63.72	3	Horizontal	177	2.31	-	28.40	4.13	-			
AV	2.48G	93.06	Inf	-Inf	60.53	3	Horizontal	177	2.31	-	28.40	4.13	-			
PK	2.4835G	57.46	74.00	-16.54	24.89	3	Horizontal	177	2.31	-	28.44	4.13	-			
AV	2.4835G	47.75	54.00	-6.25	15.18	3	Horizontal	177	2.31	-	28.44	4.13	-			

2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX

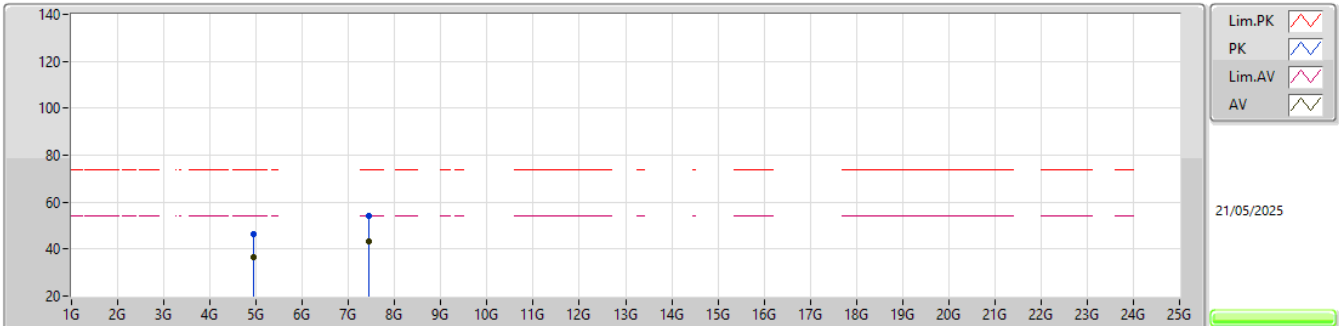


EUT_Y_1TX
Setting Default
02-D-K-3

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	4.96288G	47.02	74.00	-26.98	37.84	3	Vertical	213	1.80	-	33.33	6.86	31.01				
AV	4.95272G	36.91	54.00	-17.09	27.76	3	Vertical	213	1.80	-	33.31	6.85	31.01				
PK	7.44068G	54.21	74.00	-19.79	39.58	3	Vertical	59	2.39	-	36.70	9.36	31.43				
AV	7.43952G	43.38	54.00	-10.62	28.75	3	Vertical	59	2.39	-	36.70	9.36	31.43				

2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX



EUT_Y_1TX
Setting Default
02-D-K-3

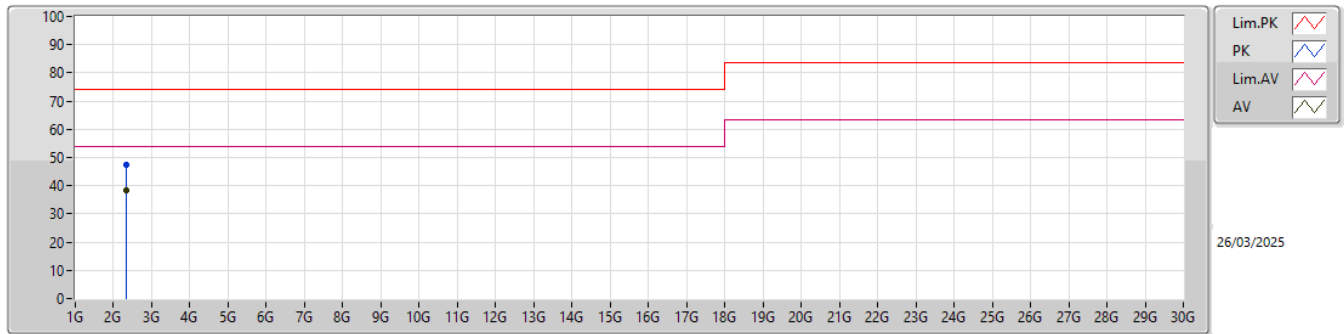
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	4.95536G	46.55	74.00	-27.45	37.39	3	Horizontal	250	1.15	-	33.31	6.86	31.01				
AV	4.95028G	36.38	54.00	-17.62	27.24	3	Horizontal	250	1.15	-	33.30	6.85	31.01				
PK	7.4334G	54.17	74.00	-19.83	39.54	3	Horizontal	73	1.79	-	36.70	9.36	31.43				
AV	7.448G	43.50	54.00	-10.50	28.88	3	Horizontal	73	1.79	-	36.70	9.35	31.43				



Summary

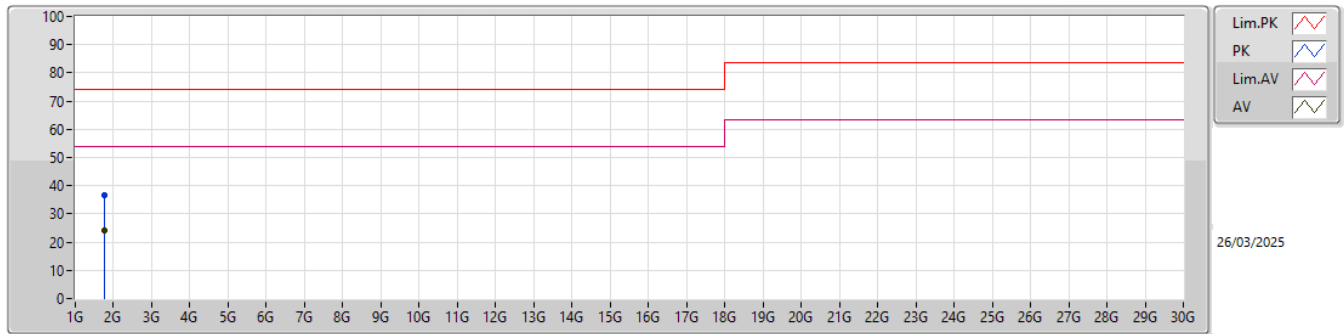
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 2	Pass	AV	2.3389G	38.16	54.00	-15.84	Vertical

Mode 2



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	2.34063G	47.38	74.00	-26.62	-13.19	3	Vertical	29	2.18	-	60.57	27.70	3.91	44.80		
AV	2.3389G	38.16	54.00	-15.84	-13.18	3	Vertical	29	2.18	"Worst"	51.34	27.71	3.91	44.80		

Mode 2



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)	(dB/m)	(dB)	(dB)		
PK	1.7677G	36.54	74.00	-37.46	-16.13	3	Horizontal	335	3.00	-	52.67	25.32	3.45	44.90		
AV	1.7637G	24.05	54.00	-29.95	-16.09	3	Horizontal	335	3.00	"Worst"	40.14	25.36	3.45	44.90		