



RADIO TEST REPORT

FCC ID : Z3WAIR4991-41
Equipment : AT&T ALL-Fi Extender
Brand Name : Airties
Model Name : WFEXT4991-41
Applicant : AirTies Wireless Networks
Sehit Mehmet Mikdat Uluunlu Sokagi No:23 Esentepe,
Sisli İstanbul, 34394 Turkey
Manufacturer : AirTies Wireless Networks
Sehit Mehmet Mikdat Uluunlu Sokagi No:23 Esentepe,
Sisli İstanbul, 34394 Turkey
Standard : 47 CFR FCC Part 15.247

The product was received on Jun. 17, 2024, and testing was started from Jul. 26, 2024 and completed on Sep. 12, 2024. 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 33
Issued Date : Nov. 11, 2024
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:

1. 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.
2. The test configuration, test mode and test software were written in this test report are declared by the manufacturer.

Reviewed by: Sam Chen
Report Producer: Cathy Chiu



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	Nant
2.4-2.4835GHz	BT-LE(1Mbps)	1	1TX
2.4-2.4835GHz	BT-LE(500Kb/s)	1	1TX
2.4-2.4835GHz	BT-LE(125Kb/s)	1	1TX
2.4-2.4835GHz	BT-LE(2Mbps)	2	1TX

Note:

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

**1.1.2 Antenna Information**

Ant.	Port				Brand	Model Name	Antenna Type	Connector	Gain (dBi)
	WLAN			Bluetooth /Zigbee					
	2.4GHz	5GHz	6GHz						
1	-	-	1	-	Galtronics	60-3744-03-2	PIFA	I-Pex	Note 1
2	-	-	2	-	Galtronics	60-3695-03-1	PIFA	I-Pex	
3	-	-	3	-	Galtronics	60-3695-03-2	PIFA	I-Pex	
4	-	-	4	-	Galtronics	60-3744-03-2	PIFA	I-Pex	
5	1	1	-	-	Galtronics	60-3693-03-2	PIFA	I-Pex	
6	-	2	-	-	Galtronics	60-2917-03	PIFA	I-Pex	
7	2	3	-	-	Galtronics	60-3755-03-2	PIFA	I-Pex	
8	-	4	-	-	Galtronics	60-2917-03	PIFA	I-Pex	
9	-	-	-	1	Airties	Air-BT-01	PCB	I-Pex	
10	-	-	-	2	Airties	Air-BT-02	PCB	I-Pex	
11	-	-	-	-	Galtronics	60-3756-03-2	PCB	I-Pex	

Ant.	Remark
1	6G4 (Mated to Connector J1)
2	6G3 (Mated to Connector J2)
3	6G1 (Mated to Connector J3)
4	6G2 (Mated to Connector J4)
5	DB1 (Mated to Connector J20)
6	5G2 (Mated to Connector J21)
7	DB2 (Mated to Connector J22)
8	5G1 (Mated to Connector J23)
9	N/A
10	N/A
11	GNSS

Note 1:

Ant.	Antenna Gain (dBi)										
	WLAN 2.4GHz	WLAN 5GHz				WLAN 6GHz				Bluetooth /Zigbee	GPS
		UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	UNII 8		
1	-	-	-	-	-	5.38	3.86	4.02	2.84	-	-
2	-	-	-	-	-	5.09	4.72	4.61	4.69	-	-
3	-	-	-	-	-	4.88	6.09	5.24	6.46	-	-
4	-	-	-	-	-	6.63	6.7	5.53	6.03	-	-
5	2.16	3.61	2.65	2.56	2.47	-	-	-	-	-	-
6	-	2.73	2.49	3.24	3.3	-	-	-	-	-	-
7	2.15	3.89	3.85	3.62	2.69	-	-	-	-	-	-
8	-	2.31	2.88	3.09	2.63	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	4.3	-
10	-	-	-	-	-	-	-	-	-	4.3	-
11	-	-	-	-	-	-	-	-	-	-	4.7



Item	Directional Gain (dBi)								
	WLAN 2.4GHz	WLAN 5GHz				WLAN 6GHz			
		UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	UNII 8
2T1S	3.95	-	-	-	-	-	-	-	-
2T2S	2.16	-	-	-	-	-	-	-	-
4T1S	-	3.89	3.85	3.62	3.36	6.63	6.72	5.96	6.72
4T2S	-	3.89	3.85	3.62	3.3	6.63	6.7	5.53	6.46
4T4S	-	3.89	3.85	3.62	3.3	6.63	6.7	5.53	6.46

Note 2: The above information (except gain of Ant. 1~8 and directional gain) was declared by the manufacturer.

Note 3: For 2.4GHz/5GHz/6GHz, the antenna gain and directional gain are measured which follow the procedure of KDB 662911 D03.

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

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

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

Port 1 and Port 2 could transmit/receive simultaneously.

For 5GHz function:

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

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

Port 1~4 could transmit/receive simultaneously.

For 6GHz function:

For IEEE 802.11 ax/be (4TX/4RX):

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

Port 1~4 could transmit/receive simultaneously.

For Bluetooth function (1TX/1RX):

The EUT supports the antenna with TX/RX diversity functions.

Port 1~2 can be used as transmitting/receiving antenna, but only one of them will be used at one time.

For Zigbee function (1TX/1RX):

The EUT supports the antenna with TX/RX diversity functions.

Port 1~2 can be used as transmitting/receiving antenna, but only one of them will be used at one time.

For GPS function (1RX):

Only Ant. 11 can be used as receiving antenna.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF (dB)
BT-LE (ANT10)	0.633	1.99
BT-LE (ANT9)	0.632	1.99
BT-LE2 (ANT10)	0.336	4.74
BT-LE2 (ANT9)	0.336	4.74

Note:

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

**1.1.4 EUT Operational Condition**

EUT Power Type	From Power Adapter		
Function	☒ Point-to-multipoint	☐ Point-to-point	
HW	HW1.2		
SW	4.193.2.0_wltest		
SN	For AC Power-line Conducted Emissions test: J50VA4HW100120 For Emissions in Restricted Frequency Bands below 1GHz test: J50VA4HW100114 For Other test items: J50VA4HW100124		
Test Software Version	DOS [ver 6.1.7601]		
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 EUT Supports Function

Support Type	Remark
AP Router	Support 2.4GHz / 5GHz UNII 1~3 / 6GHz UNII 5~8
Mesh	Support 5GHz UNII 1~3 / 6GHz UNII 5~8

Note1: For above table list, only AP Router mode was tested and recorded in this test.

Note2: 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	TH03-CB	Brian Sun	23.4~24.2 / 58~61	Aug. 26, 2024~ Sep. 12, 2024
Radiated (Below 1GHz)	03CH06-CB	Viola Huang	21.9-22.4 / 55-58	Sep. 03, 2024
Radiated (Above 1GHz)	03CH06-CB	Alex Kuo	21.9-22.4 / 55-58	Jul. 26, 2024~ Sep. 12, 2024
AC Conduction	CO01-CB	Ryan Huang	22~23 / 50~51	Sep. 05, 2024



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 (ANT9)_1MHz_Nss1_1TX(Port1)
2402MHz
2440MHz
2478MHz
2480MHz
BT-LE (ANT10)_1MHz_Nss1_1TX(Port2)
2402MHz
2440MHz
2478MHz
2480MHz
BT-LE2 (ANT9)_2MHz_Nss1_1TX(Port1)
2402MHz
2404MHz
2440MHz
2478MHz
2480MHz
BT-LE2 (ANT10)_2MHz_Nss1_1TX(Port2)
2402MHz
2404MHz
2440MHz
2478MHz
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(WLAN), Idle(Bluetooth), CTX(Zigbee)
1	EUT + WLAN + Bluetooth + GPS with adapter
2	EUT + WLAN + Zigbee + GPS with adapter
For operating mode 1 is the worst case and it was record in this test report.	

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

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



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz + WLAN 6GHz + Bluetooth
2	WLAN 2.4GHz + WLAN 5GHz + WLAN 6GHz + Zigbee
Refer to Sporton Test Report No.: FA3D0518-02 for Co-location RF Exposure Evaluation.	

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			
Equipment Name	Brand Name	Model Name	Rating
Adapter	AT&T	EPS26R0-16	INPUT: 120V ~ 0.725A Max 60Hz OUTPUT: 12V, 2.2A, 26.4W
Other			
RJ-45 cable*1: non-shielded, 1.5m			

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	2.4G NB	DELL	PP13S	N/A
B	5G NB	DELL	E6220	N/A
C	6E Device	INTEL	BE200	PD9BE200NG
D	6E NB	DELL	E7240	N/A
E	GPS Simulator	WELNAVIGATE	GS-100	N/A
F	LAN1 PC	ASUS	S300TA	TX2-RTL8821CE
G	LAN2 PC	ASUS	S300TA	TX2-RTL8821CE

**For Radiated (below 1GHz):**

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	PC	HP	SGH8190LP1	N/A
B	PC	HP	SGH8190LP1	N/A
C	2.4G NB	DELL	E4300	N/A
D	5G NB	DELL	E4300	N/A
E	6E Device	INTEL	BE200	PD9BE200NG/NA
F	6G NB	DELL	E7240	N/A
G	GPS Simulator	WELNAVIGATE	GS-100	N/A

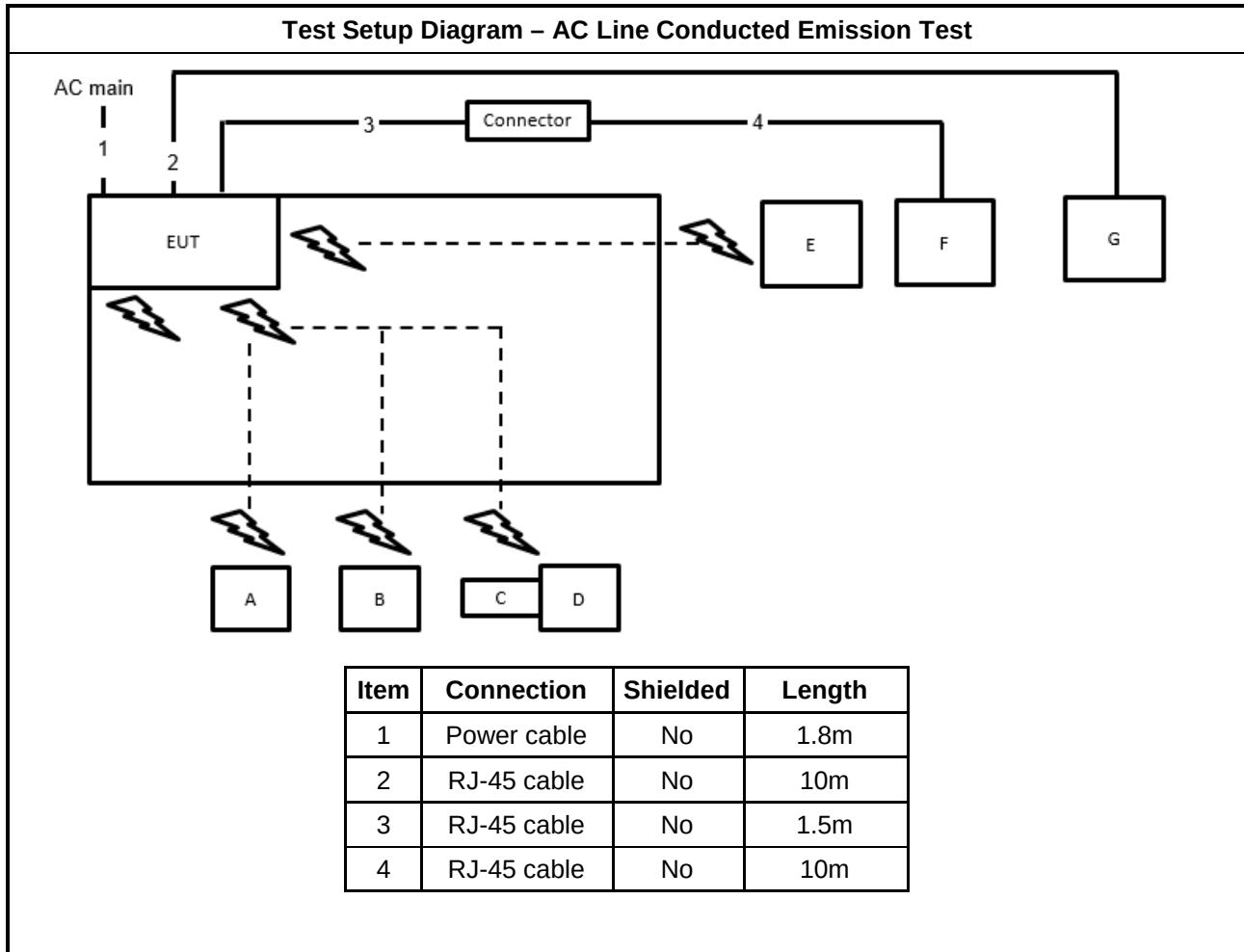
For Radiated (above 1GHz):

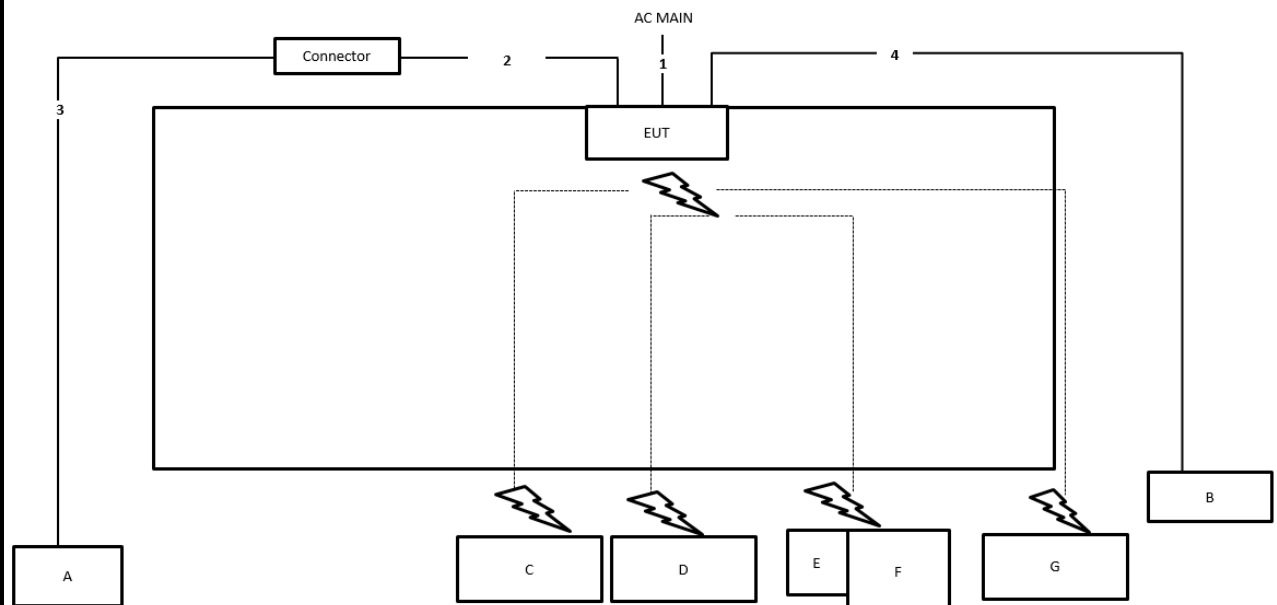
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A

For RF Conducted:

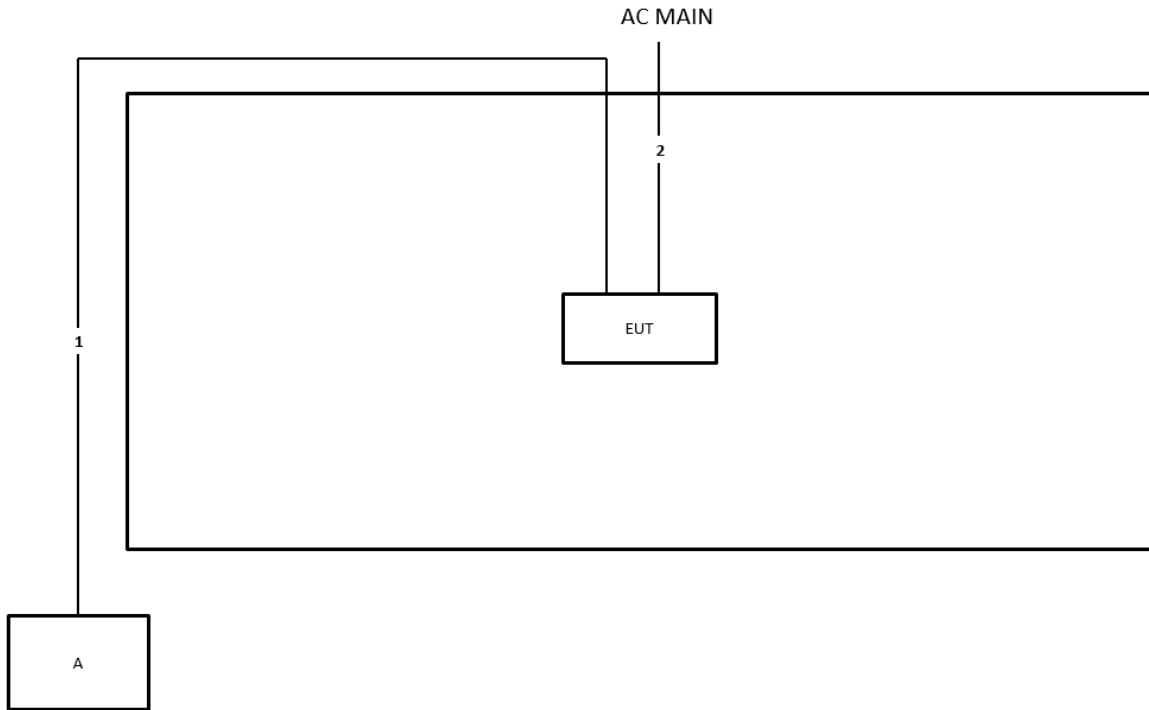
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A

2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test < 1GHz


Item	Connection	Shielded	Length
1	Power cable	No	1.8m
2	RJ-45 cable	No	1.5m
3	RJ-45 cable	No	10m
4	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test > 1GHz


Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	1.8m

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.		

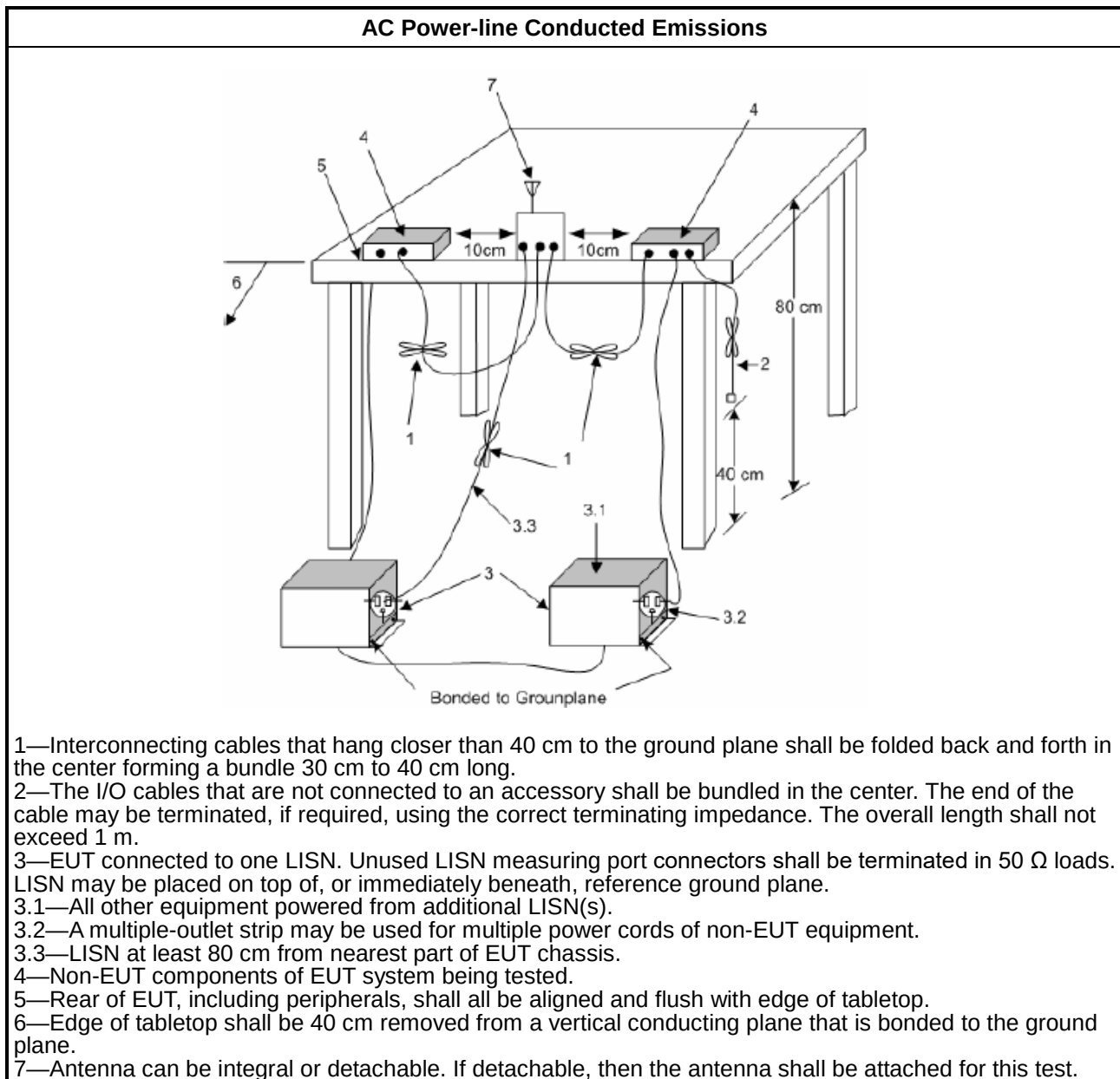
3.1.2 Measuring Instruments

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:
6 dB bandwidth $\geq$ 500 kHz.

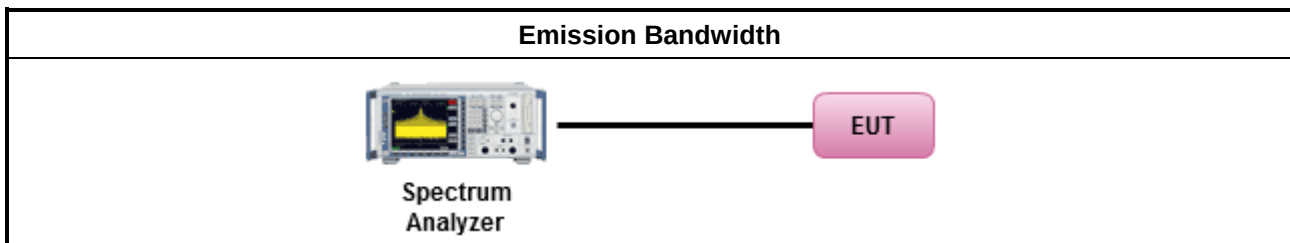
3.2.2 Measuring Instruments

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.	

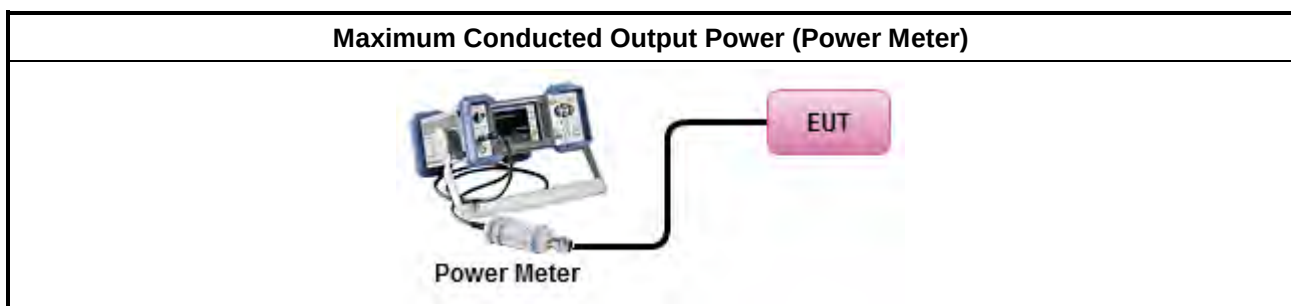
3.3.2 Measuring Instruments

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

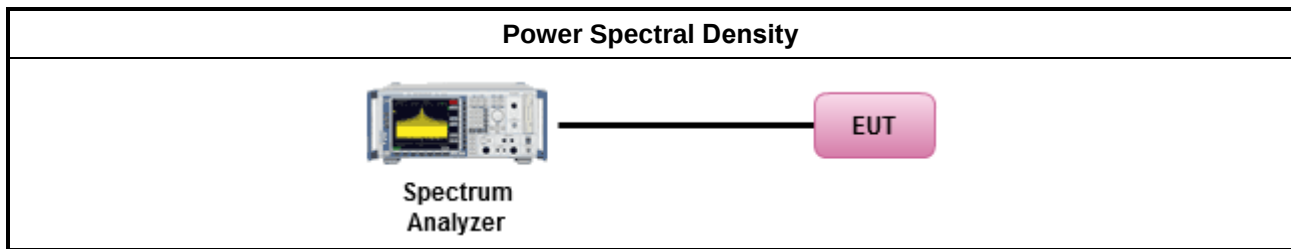
3.4.2 Measuring Instruments

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.	

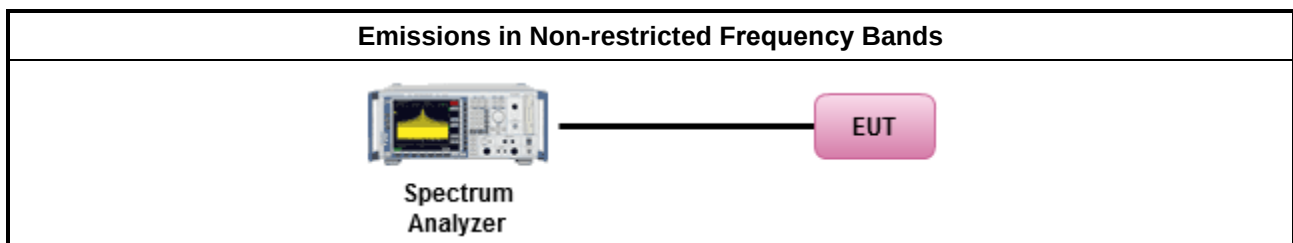
3.5.2 Measuring Instruments

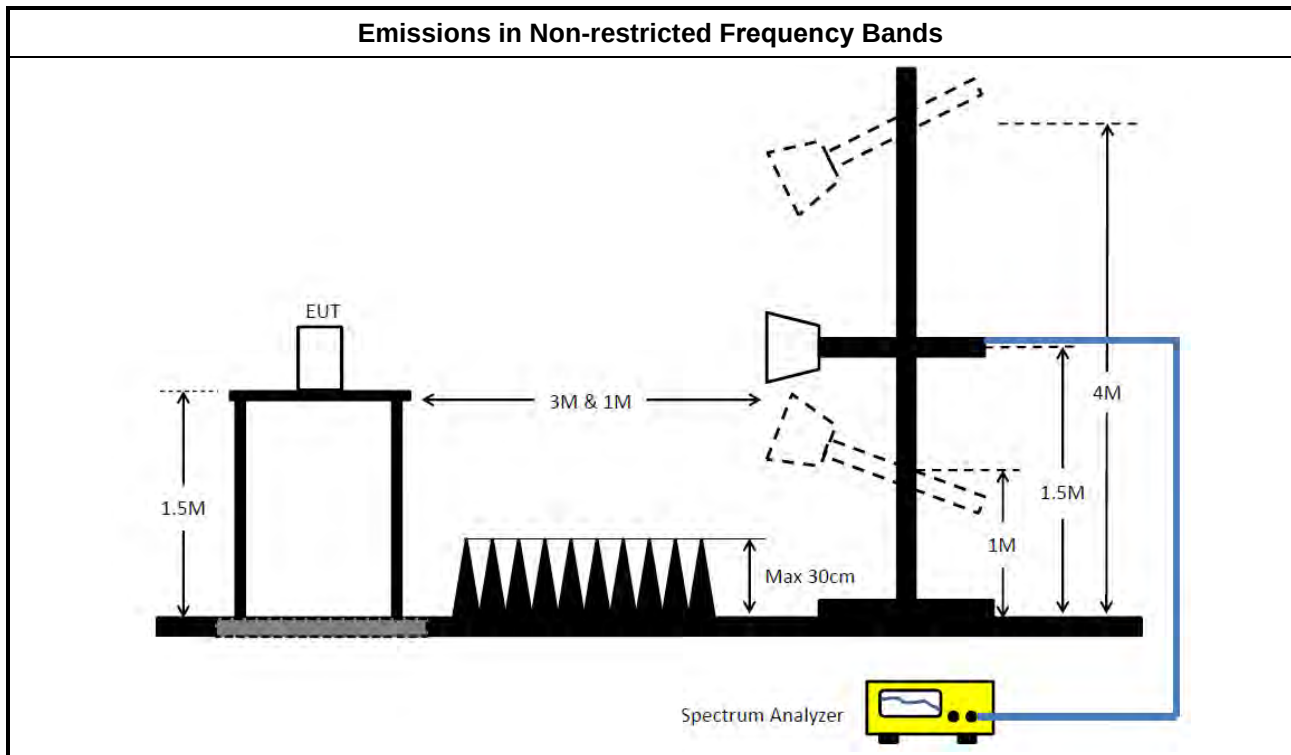
Refer a test equipment and calibration data table in this test report.

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

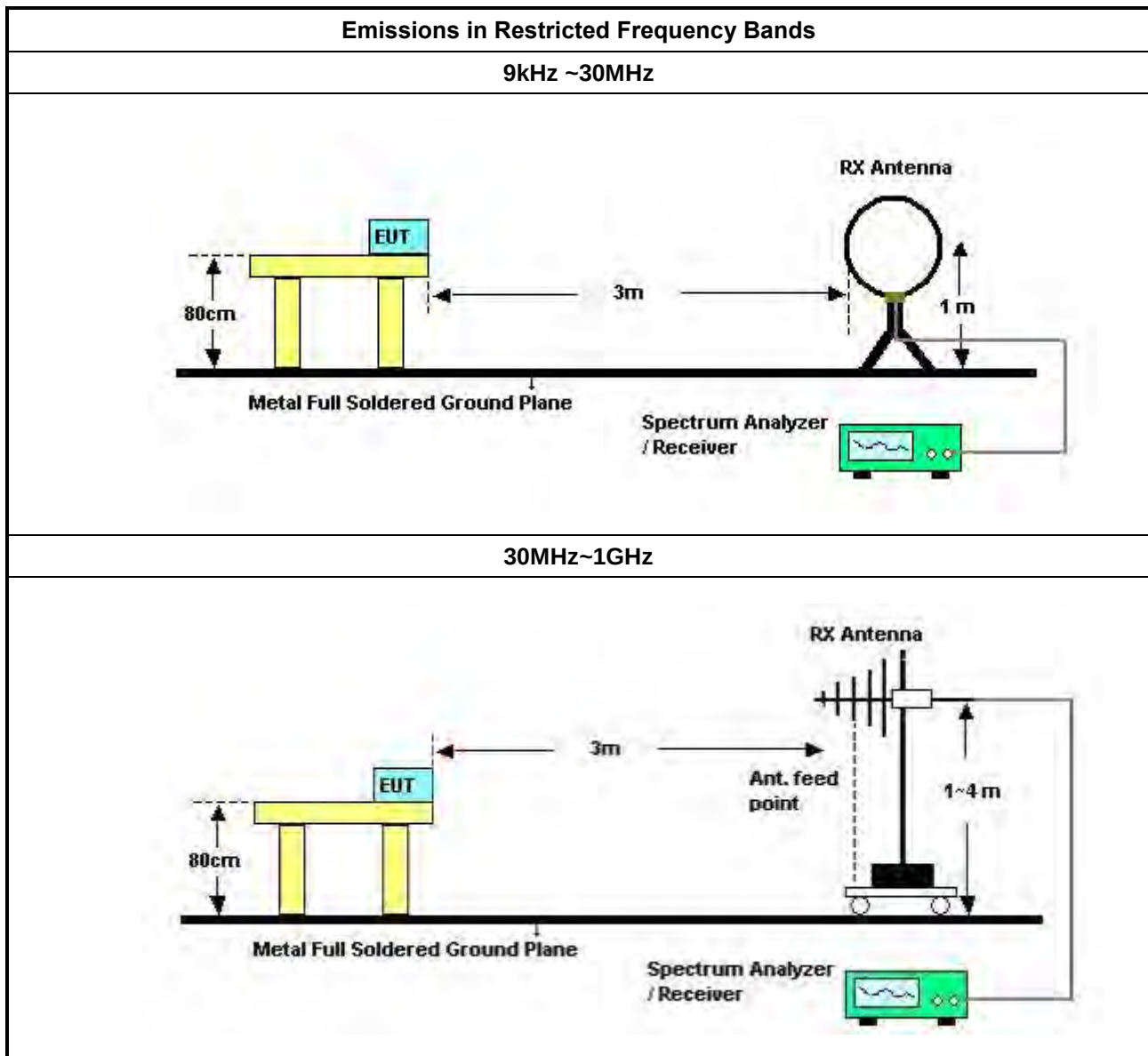
Refer a test equipment and calibration data table in this test report.

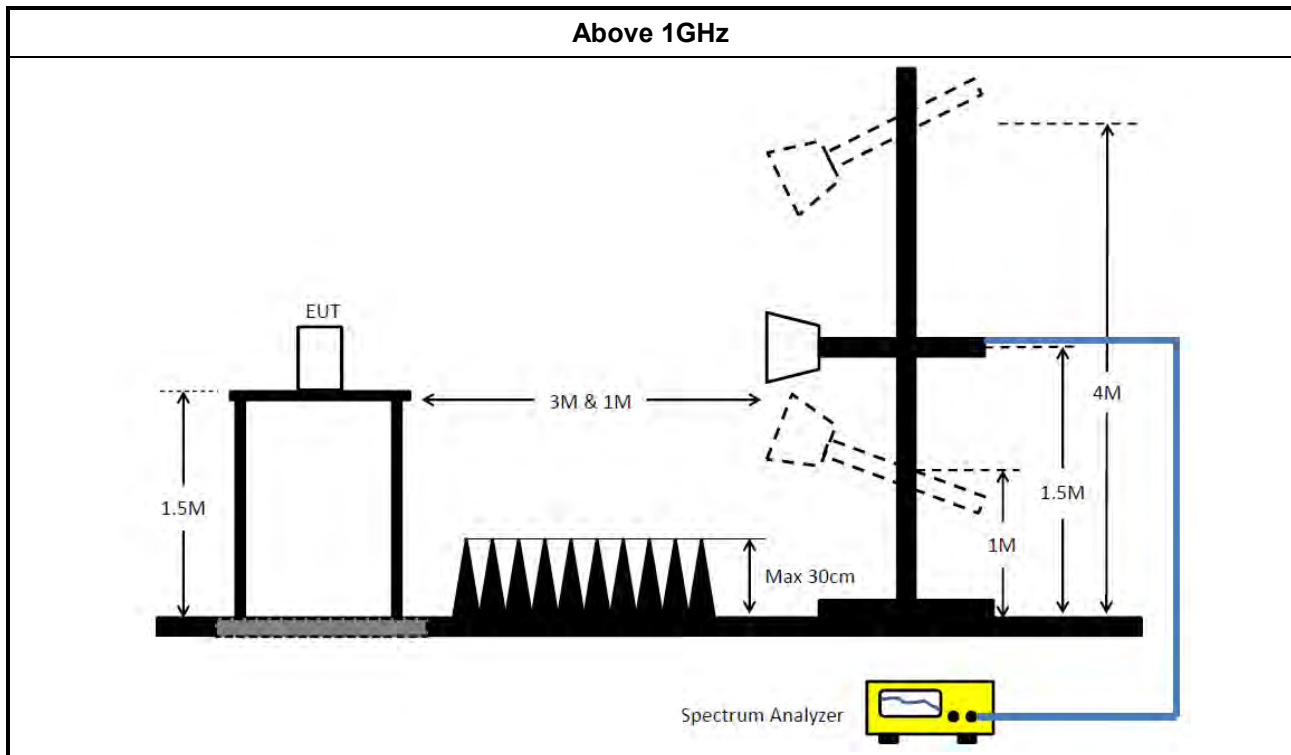


3.6.3 Test Procedures

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. 01, 2024	Feb. 28, 2025	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 19, 2024	Feb. 18, 2025	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	Feb. 08, 2024	Feb. 07, 2025	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	Oct. 17, 2023	Oct. 16, 2024	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 - 30 MHz	Oct. 13, 2023	Oct. 12, 2024	Radiation (03CH06-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH06-CB	30 MHz ~ 1 GHz	Aug. 02, 2024	Aug. 01, 2025	Radiation (03CH06-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Oct. 09, 2023	Oct. 08, 2024	Radiation (03CH06-CB)
Bilog Antenna with 6 dB attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37878 & AT-N0606	20MHz ~ 2GHz	Jul. 29, 2024	Jul. 28, 2025	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1292	1GHz~18GHz	Jul. 29, 2024	Jul. 28, 2025	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jul. 09, 2024	Jul. 08, 2025	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	310N	187290	0.1MHz ~ 1GHz	Nov. 03, 2023	Nov. 02, 2024	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	Jul. 31, 2024	Jul. 30, 2025	Radiation (03CH06-CB)
Signal Analyzer	R&S	FSV40	101904	9kHz ~ 40GHz	Apr. 26, 2024	Apr. 25, 2025	Radiation (03CH06-CB)
EMI Test Receiver	R&S	ESR7	102172	9kHz ~ 7GHz	Oct. 20, 2023	Oct. 19, 2024	Radiation (03CH06-CB)
RF Cable-low	Woken	RG402	Low Cable-24+68	30MHz~1GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+68	1GHz~18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Jan. 11, 2024	Jan. 10, 2025	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE-EMI	V5.11.8	30MHz-40GHz	N.C.R.	N.C.R.	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE-15247_FS	V5.11.18	2.4GHz-2.4835GHz	N.C.R.	N.C.R.	Radiation (03CH06-CB)

**RADIO TEST REPORT****Report No. : FR3D0518-02AD**

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Dec. 22, 2023	Dec. 21, 2024	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1531344	300MHz~40GHz	Jul. 30, 2024	Jul. 31, 2025	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1728002	300MHz~40GHz	Jul. 30, 2024	Jul. 31, 2025	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-11	30MHz ~18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-12	30MHz ~18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-13	30MHz ~18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz ~18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz ~18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH03-CB)
Switch	SPTCB	SP-SWI	SWI-03	1 ~26.5 GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (TH03-CB)
Test Software	SPORTON	SENSE-15247_FS	V5.11.18	2.4GHz-2.4835GHz	N.C.R.	N.C.R.	Conducted (TH03-CB)

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

NCR means Non-Calibration required.



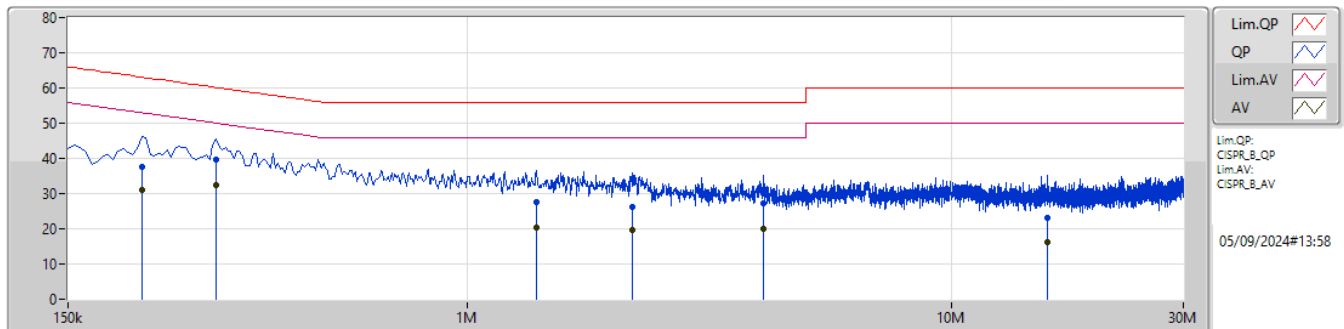
Conducted Emissions at Powerline

Appendix A

Summary

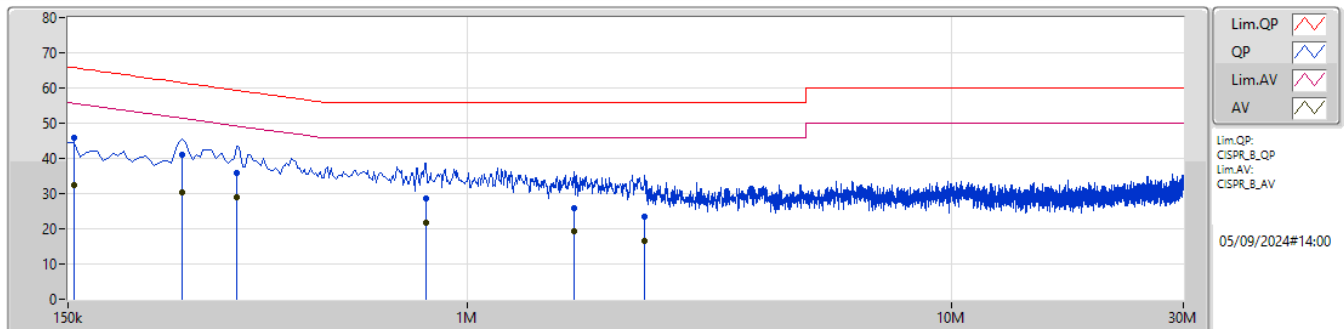
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	303k	32.31	50.17	-17.86	Line

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	213k	37.63	63.09	-25.46	9.91	Line	-	27.72	0.04	0.02	9.85						
AV	213k	31.06	53.09	-22.03	9.91	Line	-	21.15	0.04	0.02	9.85						
QP	303k	39.54	60.17	-20.63	9.94	Line	-	29.60	0.05	0.02	9.87						
AV	303k	32.31	50.17	-17.86	9.94	Line	"Worst"	22.37	0.05	0.02	9.87						
QP	1.388M	27.50	56.00	-28.50	10.02	Line	-	17.48	0.08	0.04	9.90						
AV	1.388M	20.41	46.00	-25.59	10.02	Line	-	10.39	0.08	0.04	9.90						
QP	2.193M	26.25	56.00	-29.75	10.07	Line	-	16.18	0.10	0.08	9.89						
AV	2.193M	19.60	46.00	-26.40	10.07	Line	-	9.53	0.10	0.08	9.89						
QP	4.092M	27.09	56.00	-28.91	10.17	Line	-	16.92	0.13	0.14	9.90						
AV	4.092M	20.03	46.00	-25.97	10.17	Line	-	9.86	0.13	0.14	9.90						
QP	15.698M	22.95	60.00	-37.05	10.43	Line	-	12.52	0.28	0.19	9.96						
AV	15.698M	16.24	50.00	-33.76	10.43	Line	-	5.81	0.28	0.19	9.96						

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	45.91	65.75	-19.84	9.94	Neutral	"Worst"	35.97	0.06	0.02	9.86						
AV	154.5k	32.39	55.75	-23.36	9.94	Neutral	-	22.45	0.06	0.02	9.86						
QP	258k	41.05	61.49	-20.44	9.94	Neutral	-	31.11	0.06	0.02	9.86						
AV	258k	30.51	51.49	-20.98	9.94	Neutral	-	20.57	0.06	0.02	9.86						
QP	334.5k	35.87	59.35	-23.48	9.96	Neutral	-	25.91	0.06	0.02	9.88						
AV	334.5k	29.01	49.35	-20.34	9.96	Neutral	-	19.05	0.06	0.02	9.88						
QP	820.5k	28.53	56.00	-27.47	10.00	Neutral	-	18.53	0.08	0.01	9.91						
AV	820.5k	21.70	46.00	-24.30	10.00	Neutral	-	11.70	0.08	0.01	9.91						
QP	1.662M	25.92	56.00	-30.08	10.04	Neutral	-	15.88	0.09	0.05	9.90						
AV	1.662M	19.48	46.00	-26.52	10.04	Neutral	-	9.44	0.09	0.05	9.90						
QP	2.324M	23.57	56.00	-32.43	10.09	Neutral	-	13.48	0.11	0.09	9.89						
AV	2.324M	16.58	46.00	-29.42	10.09	Neutral	-	6.49	0.11	0.09	9.89						

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
BT-LE (ANT10)_1MHz_Nss1_1TX(Port2)	685k	1.034M	1M03F1D	673.75k	1.033M
BT-LE (ANT9)_1MHz_Nss1_1TX(Port1)	696.25k	1.039M	1M04F1D	677.5k	1.032M
BT-LE2 (ANT10)_2MHz_Nss1_1TX(Port2)	1.158M	2.051M	2M05F1D	1.143M	2.046M
BT-LE2 (ANT9)_2MHz_Nss1_1TX(Port1)	1.153M	2.051M	2M05F1D	1.14M	2.046M

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

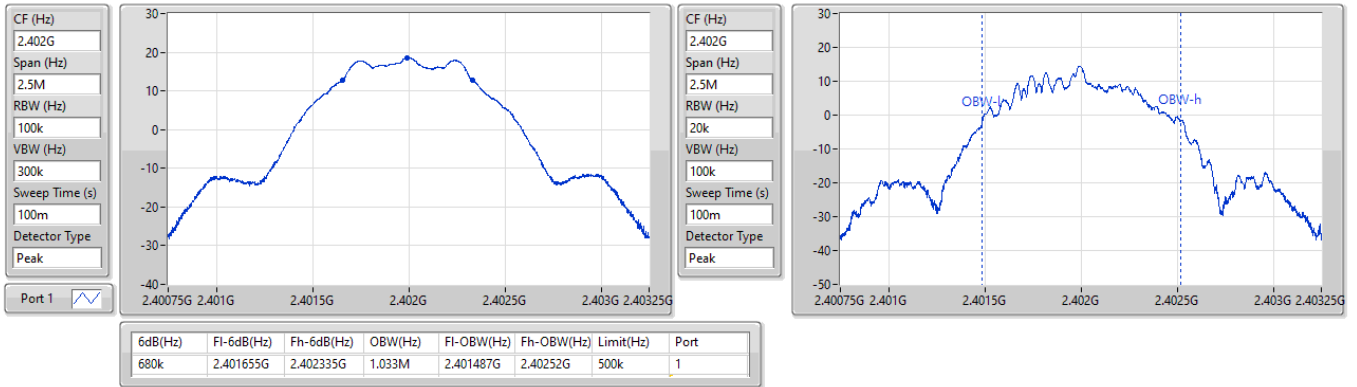
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
BT-LE (ANT9)_1MHz_Nss1_1TX(Port1)	-	-	-	-	-	-
2402MHz	Pass	500k	680k	1.033M		
2440MHz	Pass	500k	677.5k	1.032M		
2480MHz	Pass	500k	696.25k	1.039M		
BT-LE (ANT10)_1MHz_Nss1_1TX(Port2)	-	-	-	-	-	-
2402MHz	Pass	500k			685k	1.034M
2440MHz	Pass	500k			673.75k	1.033M
2480MHz	Pass	500k			682.5k	1.034M
BT-LE2 (ANT9)_2MHz_Nss1_1TX(Port1)	-	-	-	-	-	-
2402MHz	Pass	500k	1.14M	2.046M		
2440MHz	Pass	500k	1.143M	2.051M		
2480MHz	Pass	500k	1.153M	2.049M		
BT-LE2 (ANT10)_2MHz_Nss1_1TX(Port2)	-	-	-	-	-	-
2402MHz	Pass	500k			1.143M	2.046M
2440MHz	Pass	500k			1.158M	2.051M
2480MHz	Pass	500k			1.153M	2.051M

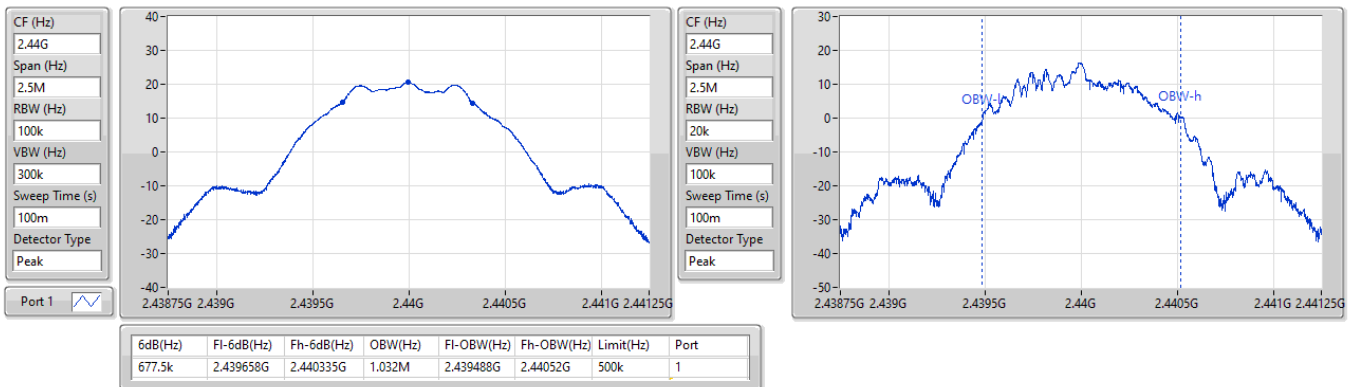
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_BT-LE (ANT9)_1MHz_Nss1_1TX(Port1)
EBW-DTS
2402MHz

27/08/2024


2.4-2.4835GHz_BT-LE (ANT9)_1MHz_Nss1_1TX(Port1)
EBW-DTS
2440MHz

27/08/2024

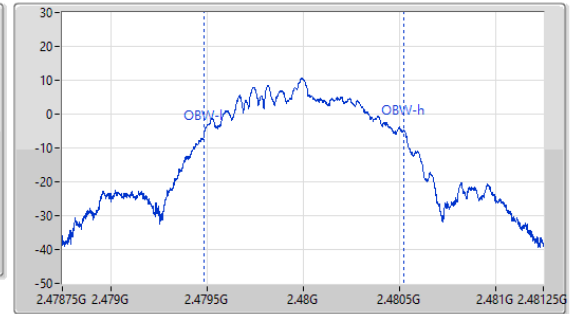
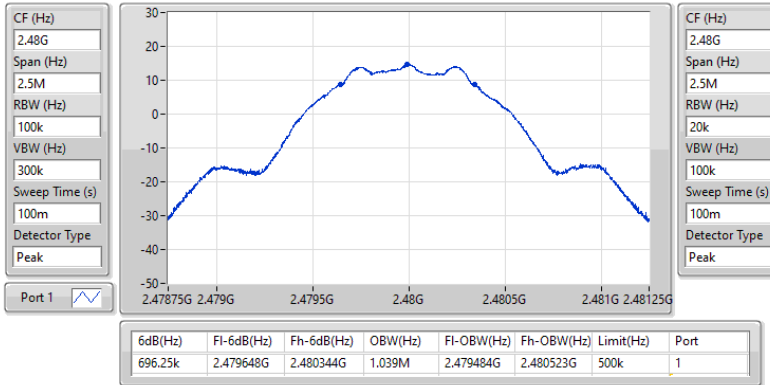


2.4-2.4835GHz_BT-LE (ANT9)_1MHz_Nss1_1TX(Port1)

EBW-DTS

2480MHz

27/08/2024

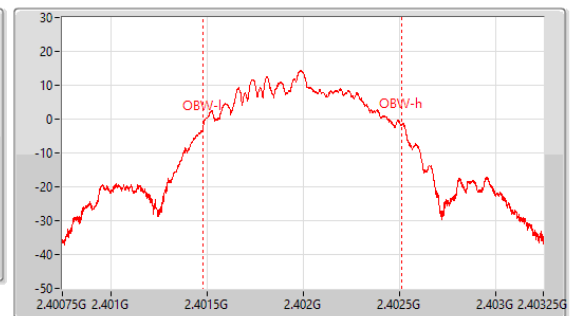
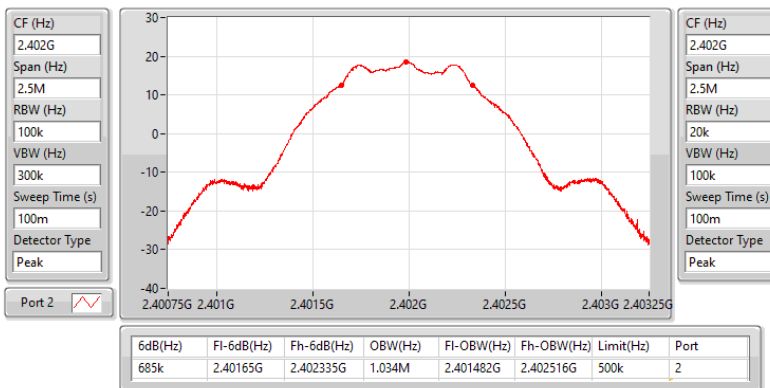


2.4-2.4835GHz_BT-LE (ANT10)_1MHz_Nss1_1TX(Port2)

EBW-DTS

2402MHz

26/08/2024

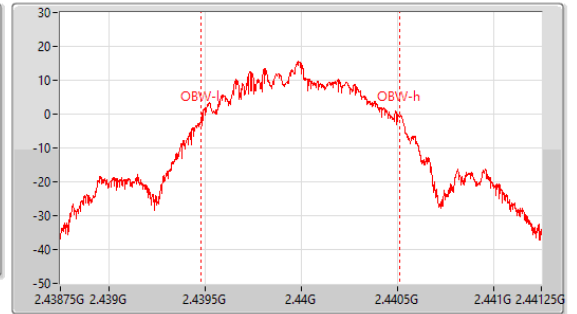
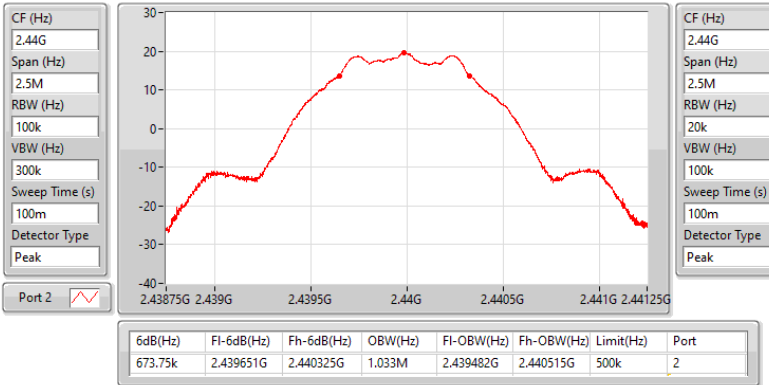


2.4-2.4835GHz_BT-LE (ANT10)_1MHz_Nss1_1TX(Port2)

EBW-DTS

2440MHz

26/08/2024

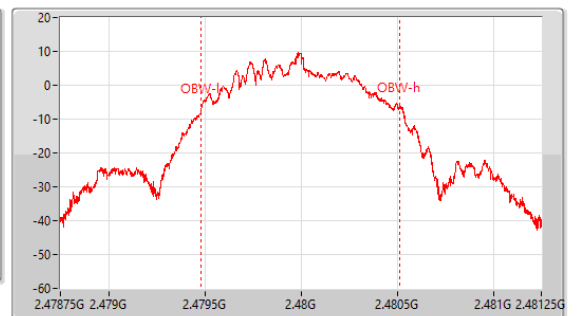
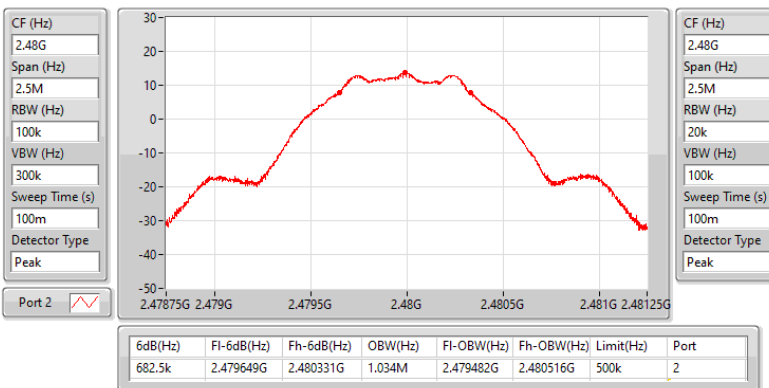


2.4-2.4835GHz_BT-LE (ANT10)_1MHz_Nss1_1TX(Port2)

EBW-DTS

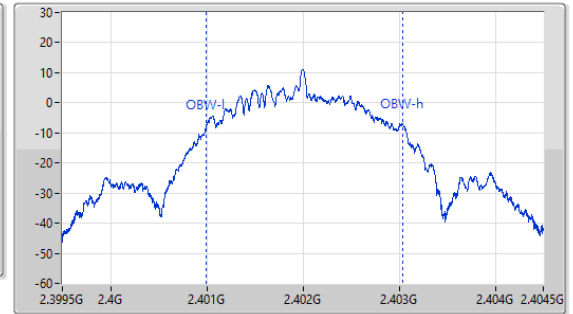
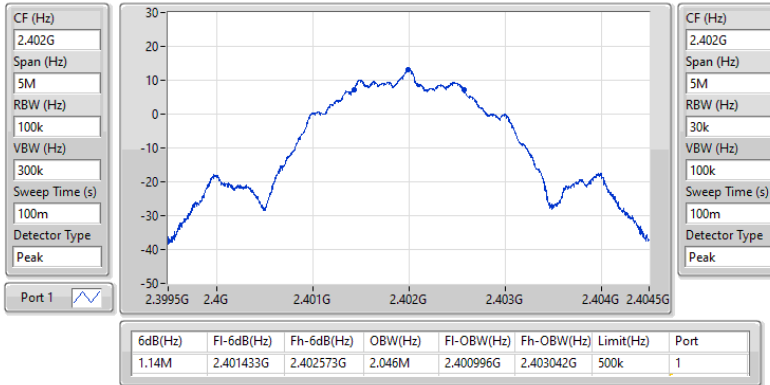
2480MHz

26/08/2024

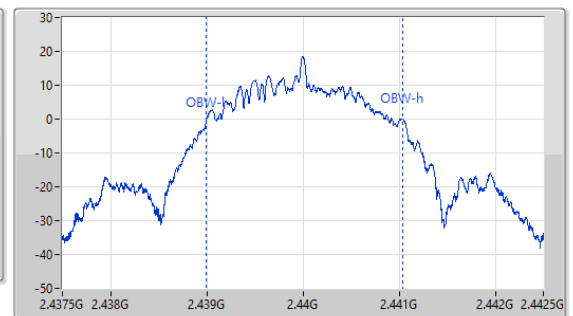
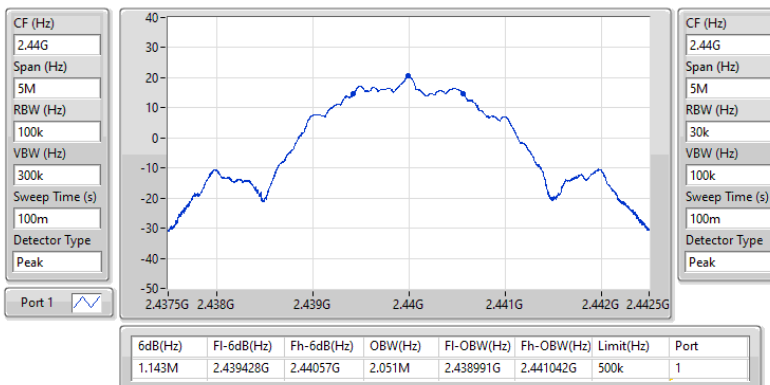


2.4-2.4835GHz_BT-LE2 (ANT9)_2MHz_Nss1_1TX(Port1)
EBW-DTS
2402MHz

27/08/2024


2.4-2.4835GHz_BT-LE2 (ANT9)_2MHz_Nss1_1TX(Port1)
EBW-DTS
2440MHz

27/08/2024

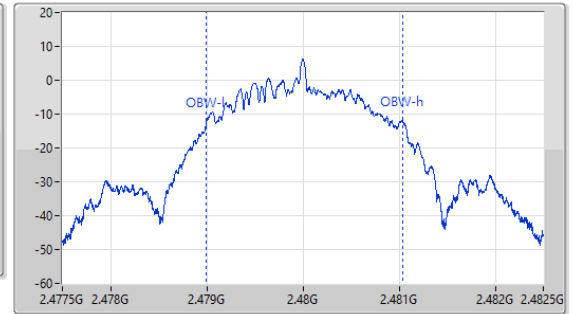
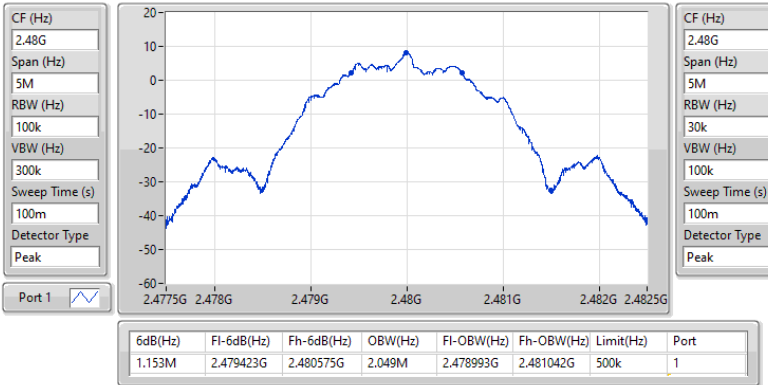


2.4-2.4835GHz_BT-LE2 (ANT9)_2MHz_Nss1_1TX(Port1)

EBW-DTS

2480MHz

27/08/2024

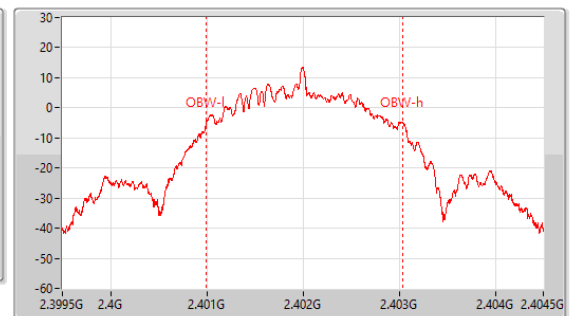
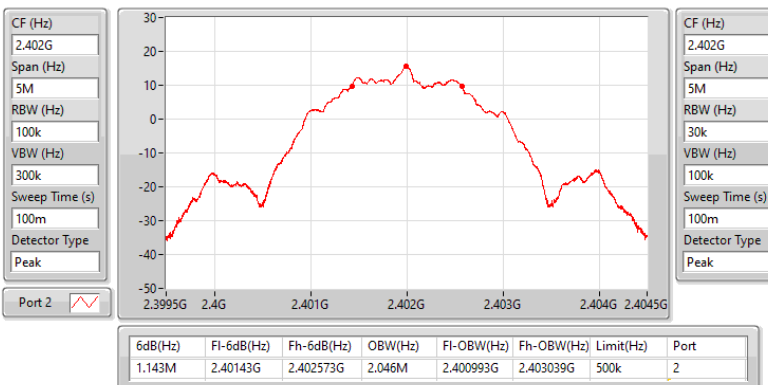


2.4-2.4835GHz_BT-LE2 (ANT10)_2MHz_Nss1_1TX(Port2)

EBW-DTS

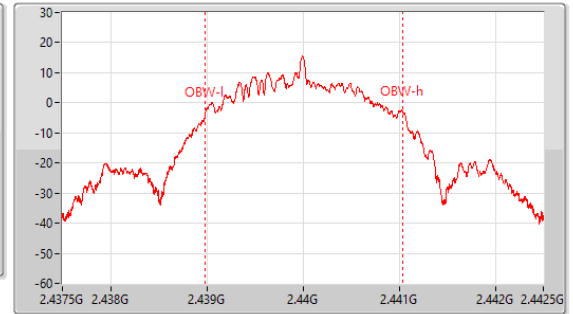
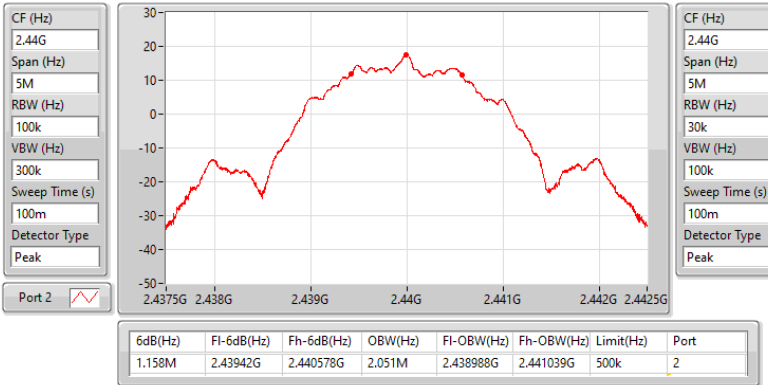
2402MHz

26/08/2024

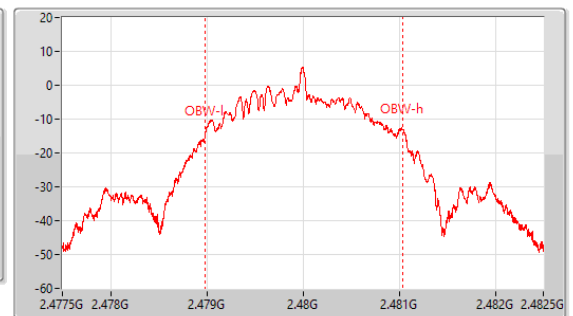
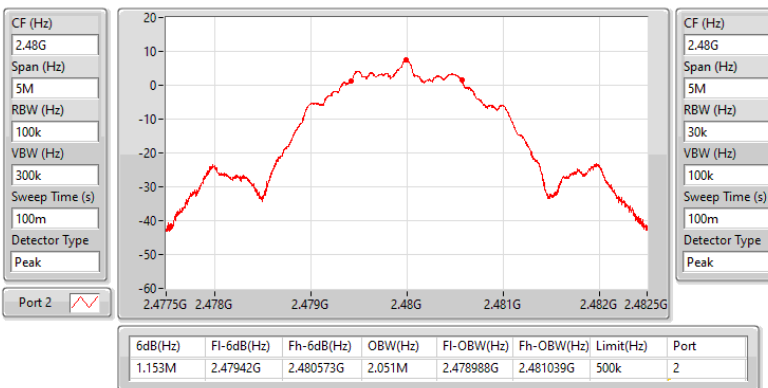


2.4-2.4835GHz_BT-LE2 (ANT10)_2MHz_Nss1_1TX(Port2)
EBW-DTS
2440MHz

26/08/2024


2.4-2.4835GHz_BT-LE2 (ANT10)_2MHz_Nss1_1TX(Port2)
EBW-DTS
2480MHz

26/08/2024





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
BT-LE (ANT10)_1MHz_Nss1_1TX(Port2)	19.17	0.08260
BT-LE (ANT9)_1MHz_Nss1_1TX(Port1)	19.82	0.09594
BT-LE2 (ANT10)_2MHz_Nss1_1TX(Port2)	17.26	0.05321
BT-LE2 (ANT9)_2MHz_Nss1_1TX(Port1)	19.91	0.09795

Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
BT-LE (ANT9)_1MHz_Nss1_1TX(Port1)	-	-	-	-
2402MHz	Pass	4.30	18.01	30.00
2440MHz	Pass	4.30	19.82	30.00
2478MHz	Pass	4.30	16.75	30.00
2480MHz	Pass	4.30	13.54	30.00
BT-LE (ANT10)_1MHz_Nss1_1TX(Port2)	-	-	-	-
2402MHz	Pass	4.30	18.14	30.00
2440MHz	Pass	4.30	19.17	30.00
2478MHz	Pass	4.30	15.81	30.00
2480MHz	Pass	4.30	13.10	30.00
BT-LE2 (ANT9)_2MHz_Nss1_1TX(Port1)	-	-	-	-
2402MHz	Pass	4.30	12.34	30.00
2404MHz	Pass	4.30	12.63	30.00
2440MHz	Pass	4.30	19.91	30.00
2478MHz	Pass	4.30	9.25	30.00
2480MHz	Pass	4.30	7.58	30.00
BT-LE2 (ANT10)_2MHz_Nss1_1TX(Port2)	-	-	-	-
2402MHz	Pass	4.30	14.96	30.00
2440MHz	Pass	4.30	17.26	30.00
2478MHz	Pass	4.30	9.56	30.00
2480MHz	Pass	4.30	6.65	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 (ANT10)_1MHz_Nss1_1TX(Port2)	4.11
BT-LE (ANT9)_1MHz_Nss1_1TX(Port1)	5.53
BT-LE2 (ANT10)_2MHz_Nss1_1TX(Port2)	-0.24
BT-LE2 (ANT9)_2MHz_Nss1_1TX(Port1)	2.86

RBW = 3kHz;

Result

Mode	Result	DG (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
BT-LE (ANT9)_1MHz_Nss1_1TX(Port1)	-	-	-	-
2402MHz	Pass	4.30	3.62	8.00
2440MHz	Pass	4.30	5.53	8.00
2480MHz	Pass	4.30	-0.61	8.00
BT-LE (ANT10)_1MHz_Nss1_1TX(Port2)	-	-	-	-
2402MHz	Pass	4.30	3.35	8.00
2440MHz	Pass	4.30	4.11	8.00
2480MHz	Pass	4.30	-1.65	8.00
BT-LE2 (ANT9)_2MHz_Nss1_1TX(Port1)	-	-	-	-
2402MHz	Pass	4.30	-4.12	8.00
2440MHz	Pass	4.30	2.86	8.00
2480MHz	Pass	4.30	-9.29	8.00
BT-LE2 (ANT10)_2MHz_Nss1_1TX(Port2)	-	-	-	-
2402MHz	Pass	4.30	-1.83	8.00
2440MHz	Pass	4.30	-0.24	8.00
2480MHz	Pass	4.30	-9.92	8.00

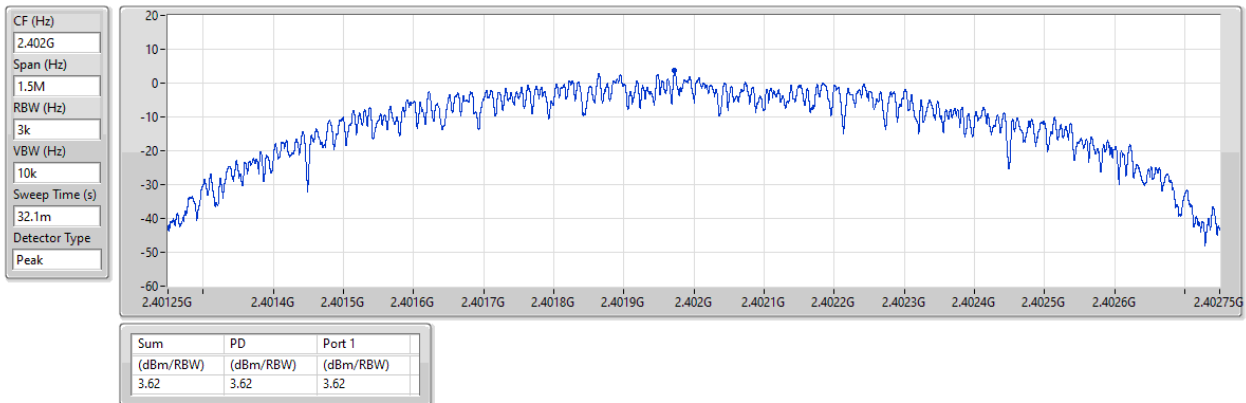
DG = Directional Gain; RBW = 3kHz;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
 Inf = There's no restriction for the limit.

2.4-2.4835GHz_BT-LE (ANT9)_1MHz_Nss1_1TX(Port1)

PSD

2402MHz

27/08/2024

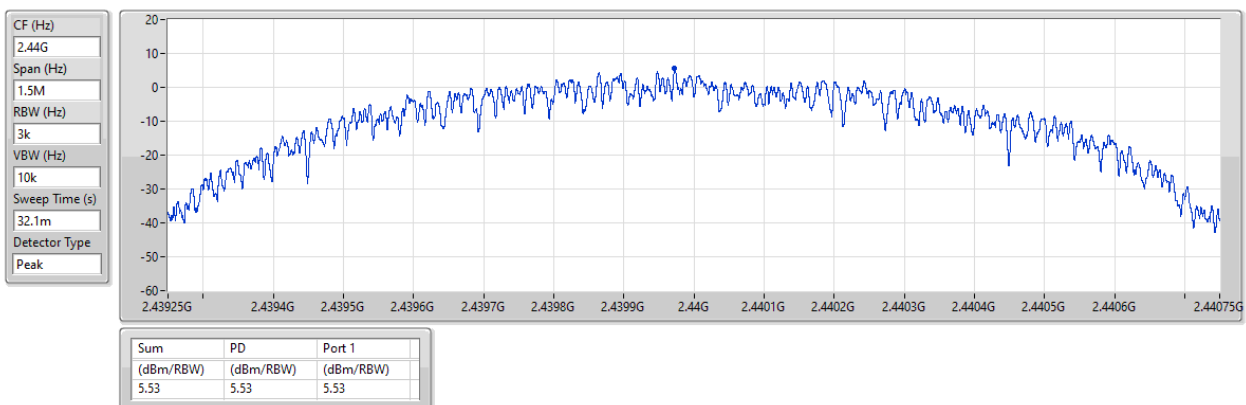


2.4-2.4835GHz_BT-LE (ANT9)_1MHz_Nss1_1TX(Port1)

PSD

2440MHz

27/08/2024

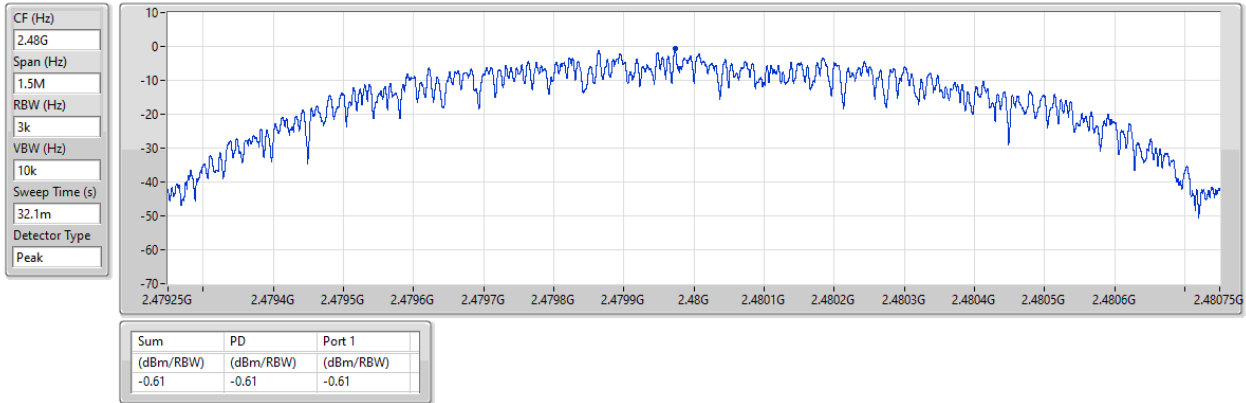


2.4-2.4835GHz_BT-LE (ANT9)_1MHz_Nss1_1TX(Port1)

PSD

2480MHz

27/08/2024

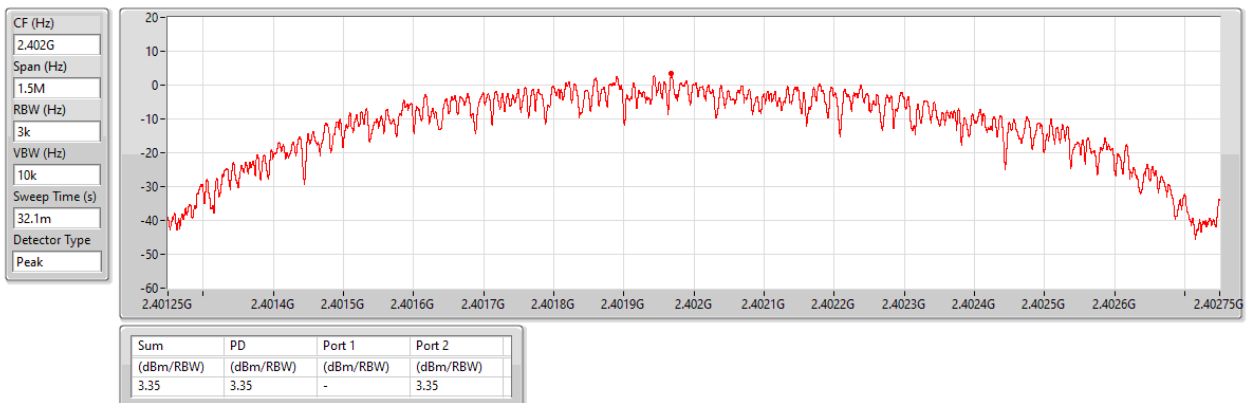


2.4-2.4835GHz_BT-LE (ANT10)_1MHz_Nss1_1TX(Port2)

PSD

2402MHz

26/08/2024

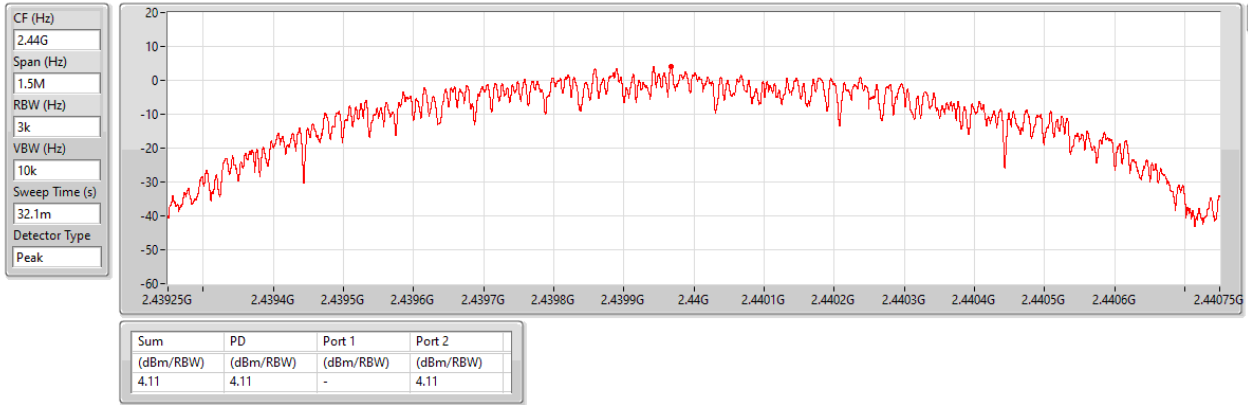


2.4-2.4835GHz_BT-LE (ANT10)_1MHz_Nss1_1TX(Port2)

PSD

2440MHz

26/08/2024

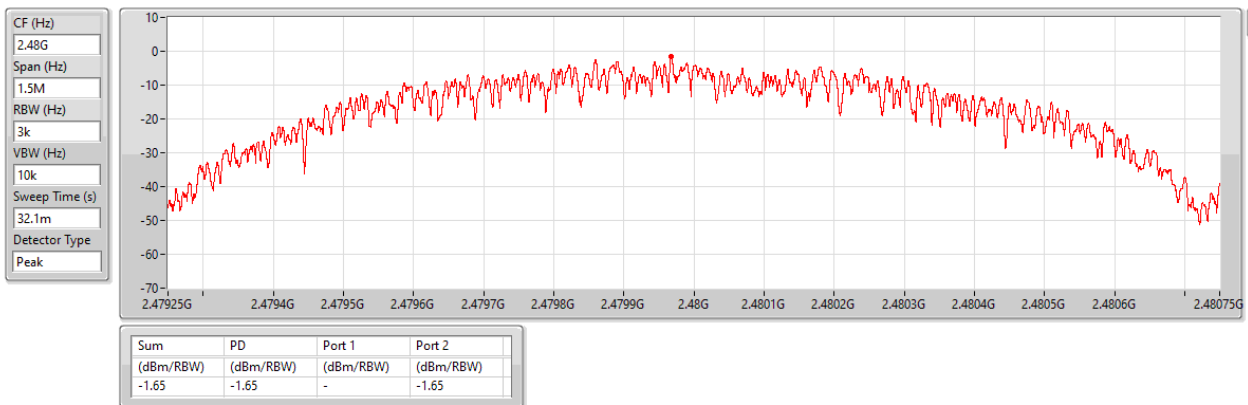


2.4-2.4835GHz_BT-LE (ANT10)_1MHz_Nss1_1TX(Port2)

PSD

2480MHz

26/08/2024

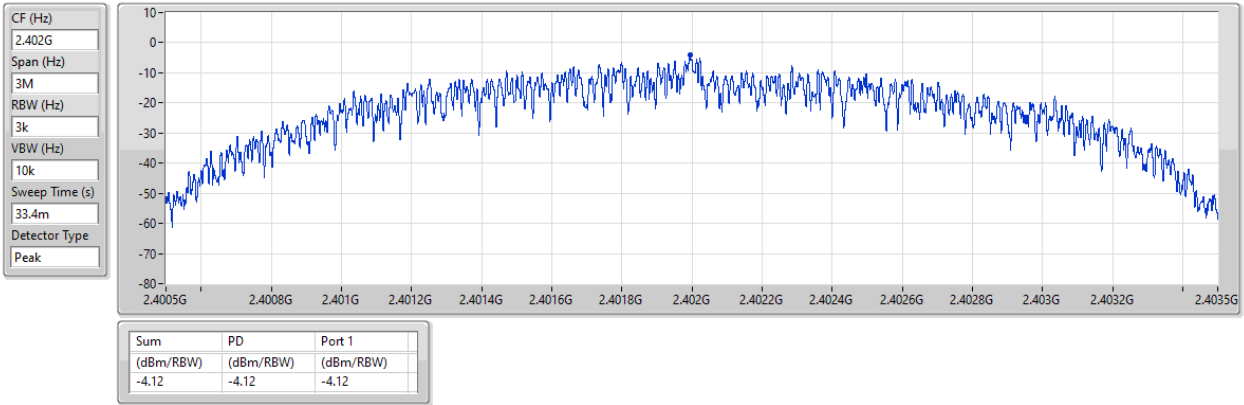


2.4-2.4835GHz_BT-LE2 (ANT9)_2MHz_Nss1_1TX(Port1)

PSD

2402MHz

27/08/2024

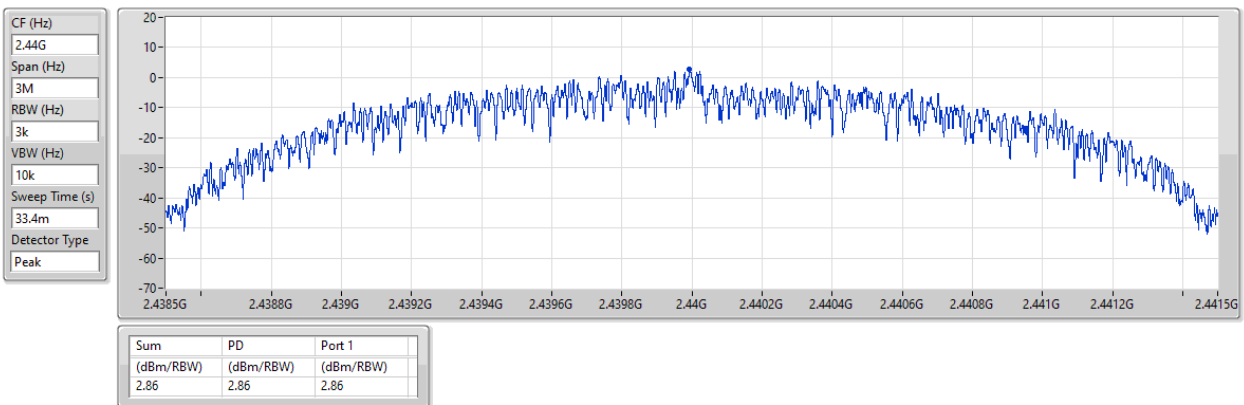


2.4-2.4835GHz_BT-LE2 (ANT9)_2MHz_Nss1_1TX(Port1)

PSD

2440MHz

27/08/2024

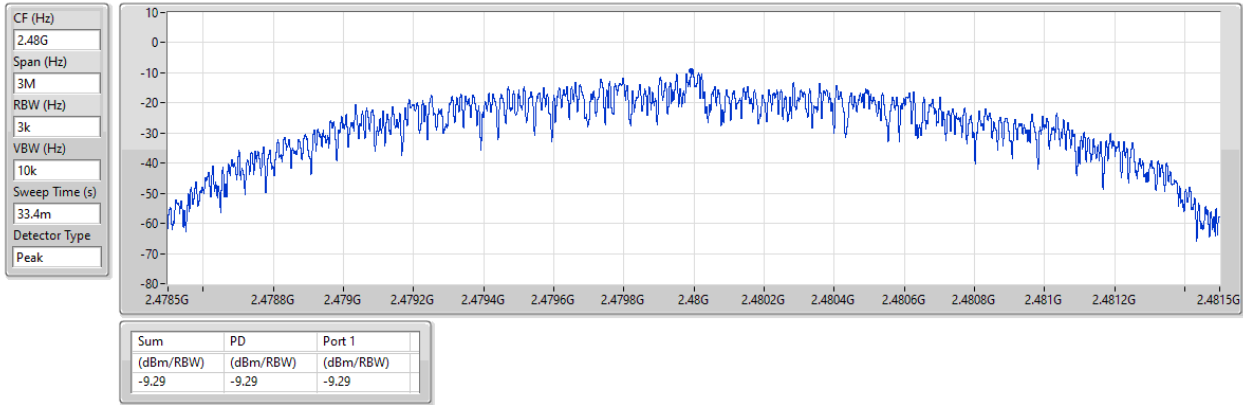


2.4-2.4835GHz_BT-LE2 (ANT9)_2MHz_Nss1_1TX(Port1)

PSD

2480MHz

27/08/2024

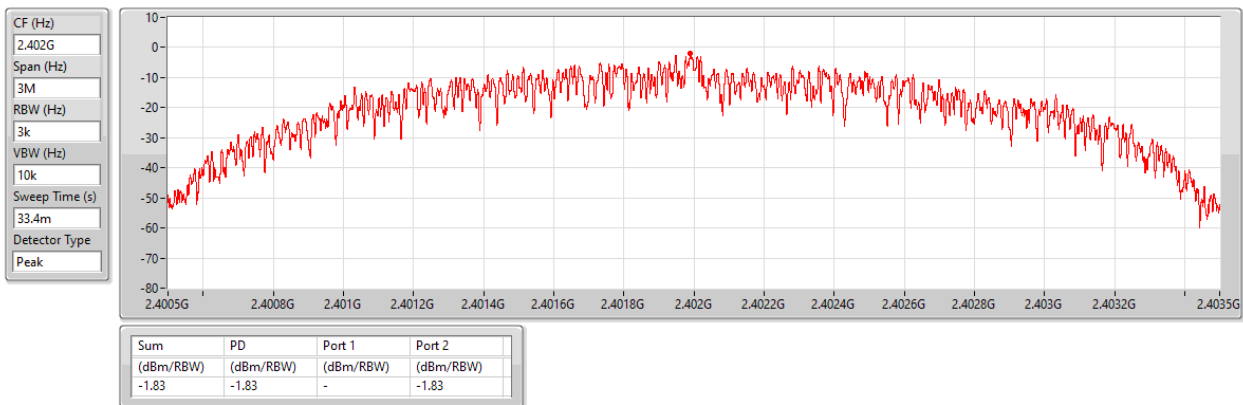


2.4-2.4835GHz_BT-LE2 (ANT10)_2MHz_Nss1_1TX(Port2)

PSD

2402MHz

26/08/2024

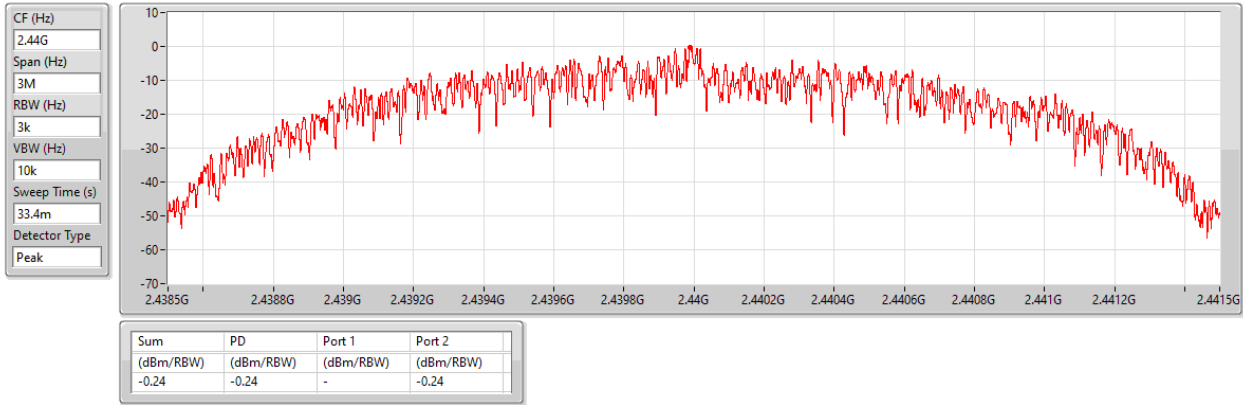


2.4-2.4835GHz_BT-LE2 (ANT10)_2MHz_Nss1_1TX(Port2)

PSD

2440MHz

26/08/2024

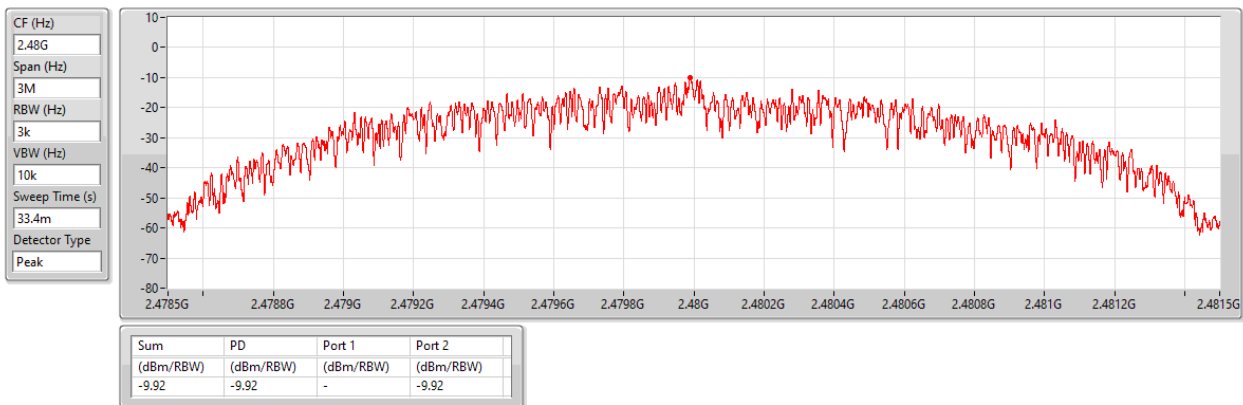


2.4-2.4835GHz_BT-LE2 (ANT10)_2MHz_Nss1_1TX(Port2)

PSD

2480MHz

26/08/2024



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 (ANT10)_1MHz_Nss1_1TX(Port2)	Pass	2.43991G	19.49	-10.51	736.18M	-51.27	2.39952G	-35.17	2.4G	-36.95	2.5019G	-46.37	16.49632G	-43.20	2
BT-LE (ANT9)_1MHz_Nss1_1TX(Port1)	Pass	2.43991G	20.46	-9.54	534.08M	-50.40	2.39952G	-35.18	2.4G	-35.43	2.50202G	-45.84	16.24043G	-43.54	1
BT-LE2 (ANT10)_2MHz_Nss1_1TX(Port2)	Pass	2.43991G	17.61	-12.39	1.8113G	-51.65	2.4G	-16.14	2.4G	-16.46	2.50218G	-49.70	16.43727G	-44.32	2
BT-LE2 (ANT9)_2MHz_Nss1_1TX(Port1)	Pass	2.44008G	20.41	-9.59	952.38M	-50.69	2.4G	-18.49	2.4G	-19.09	2.5011G	-49.84	16.38665G	-43.95	1

Result

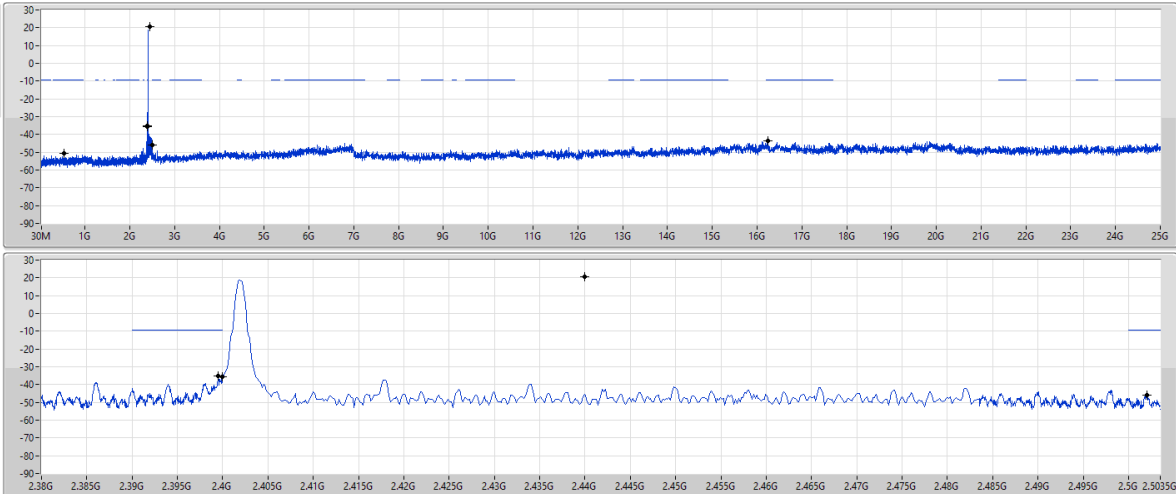
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
BT-LE (ANT9)_1MHz_Nss1_1TX(Port1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.43991G	20.46	-9.54	534.08M	-50.40	2.39952G	-35.18	2.4G	-35.43	2.50202G	-45.84	16.24043G	-43.54	1
2440MHz	Pass	2.43991G	20.46	-9.54	2.30598G	-51.22	2.39976G	-43.76	2.4G	-44.76	2.5035G	-45.66	15.19996G	-44.64	1
2480MHz	Pass	2.43991G	20.46	-9.54	925.35M	-50.56	2.3922G	-48.37	2.4G	-51.29	2.50342G	-50.31	24.96907G	-43.49	1
BT-LE (ANT10)_1MHz_Nss1_1TX(Port2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.43991G	19.49	-10.51	736.18M	-51.27	2.39952G	-35.17	2.4G	-36.95	2.5019G	-46.37	16.49632G	-43.20	2
2440MHz	Pass	2.43991G	19.49	-10.51	212.13M	-51.35	2.39992G	-45.24	2.4G	-45.98	2.50338G	-46.70	24.76097G	-42.97	2
2480MHz	Pass	2.43991G	19.49	-10.51	1.816G	-51.51	2.39176G	-49.74	2.4G	-51.94	2.50026G	-48.29	16.43727G	-44.01	2
BT-LE2 (ANT9)_2MHz_Nss1_1TX(Port1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.44008G	20.41	-9.59	952.38M	-50.69	2.4G	-18.49	2.4G	-19.09	2.5011G	-49.84	16.38665G	-43.95	1
2440MHz	Pass	2.44008G	20.41	-9.59	2.30833G	-50.58	2.3998G	-43.35	2.4G	-44.83	2.5033G	-45.57	2.5035G	-43.57	1
2480MHz	Pass	2.44008G	20.41	-9.59	686.83M	-51.02	2.39568G	-50.10	2.4G	-52.54	2.50246G	-50.83	24.49945G	-44.31	1
BT-LE2 (ANT10)_2MHz_Nss1_1TX(Port2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.43991G	17.61	-12.39	1.8113G	-51.65	2.4G	-16.14	2.4G	-16.46	2.50218G	-49.70	16.43727G	-44.32	2
2440MHz	Pass	2.43991G	17.61	-12.39	924.18M	-50.60	2.3918G	-45.78	2.4G	-47.68	2.50022G	-48.33	17.6099G	-44.17	2
2480MHz	Pass	2.43991G	17.61	-12.39	880.7M	-51.37	2.39292G	-51.14	2.4G	-53.40	2.50158G	-50.96	24.63162G	-44.21	2

2.4-2.4835GHz_BT-LE (ANT9)_1MHz_Nss1_1TX(Port1)

CSEndB-DTS

2402MHz

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



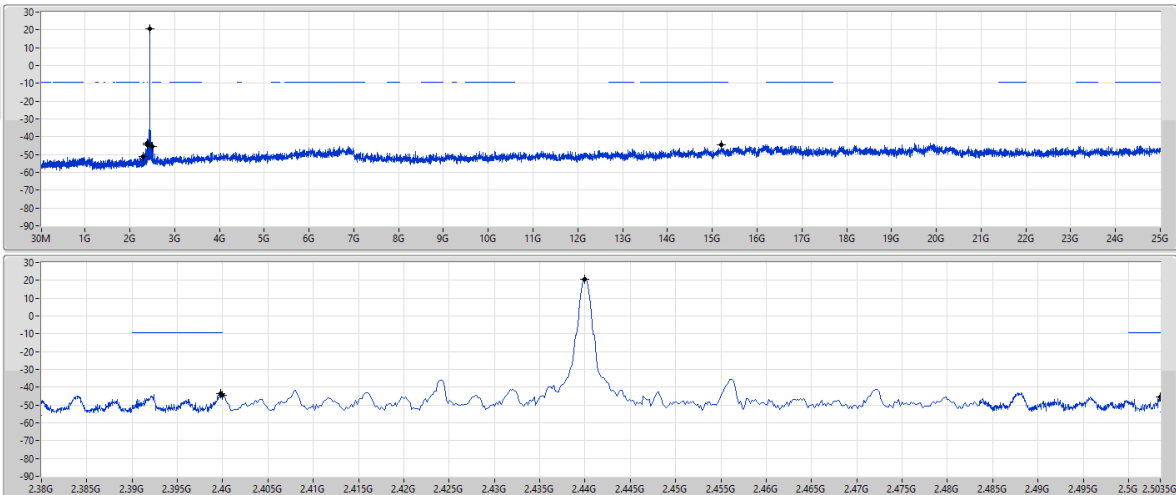
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43991G	20.46	-9.54	534.08M	-50.40	2.39952G	-35.18	2.4G	-35.43	2.50202G	-45.84	16.24043G	-43.54	1

2.4-2.4835GHz_BT-LE (ANT9)_1MHz_Nss1_1TX(Port1)

CSEndB-DTS

2440MHz

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

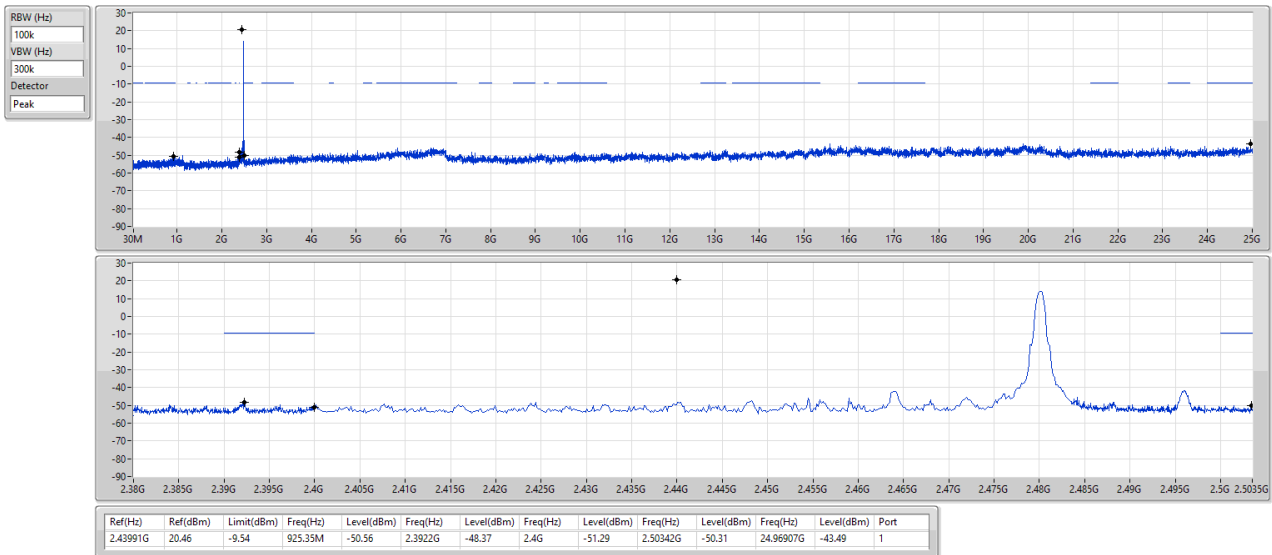


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43991G	20.46	-9.54	2.30598G	-51.22	2.39976G	-43.76	2.4G	-44.76	2.5035G	-45.66	15.19996G	-44.64	1

2.4-2.4835GHz_BT-LE (ANT9)_1MHz_Nss1_1TX(Port1)

CSEndB-DTS

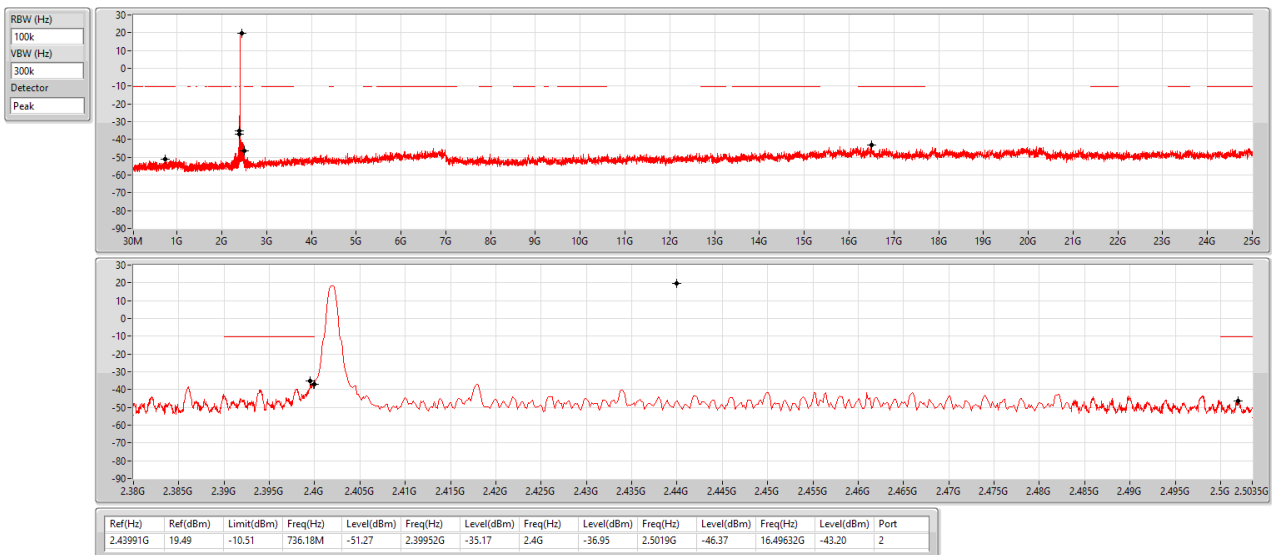
2480MHz



2.4-2.4835GHz_BT-LE (ANT10)_1MHz_Nss1_1TX(Port2)

CSEndB-DTS

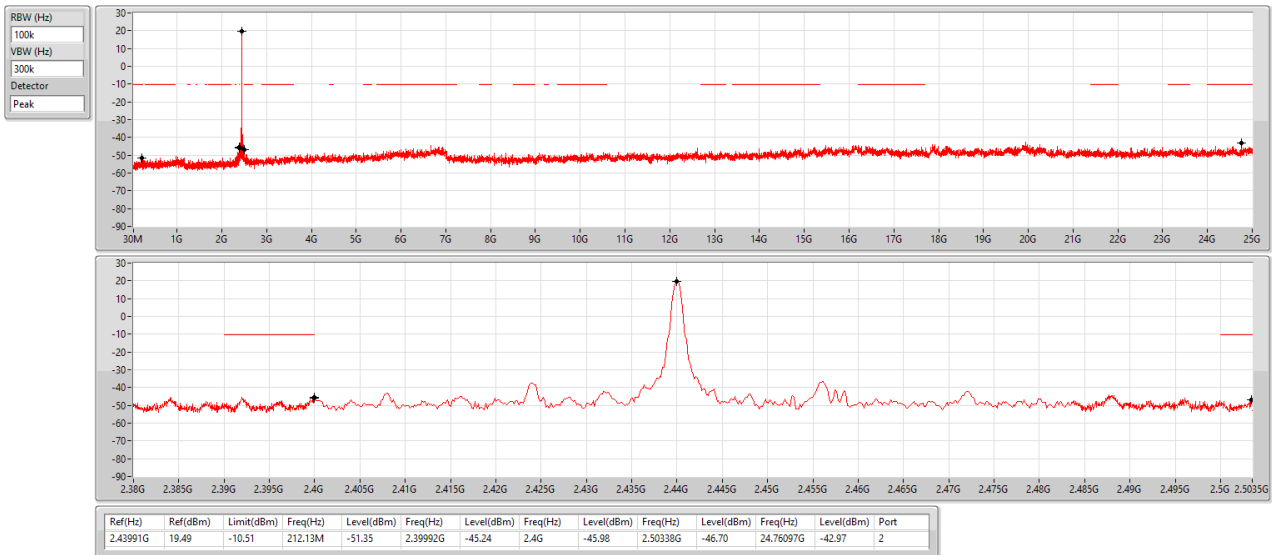
2402MHz



2.4-2.4835GHz_BT-LE (ANT10)_1MHz_Nss1_1TX(Port2)

CSEndB-DTS

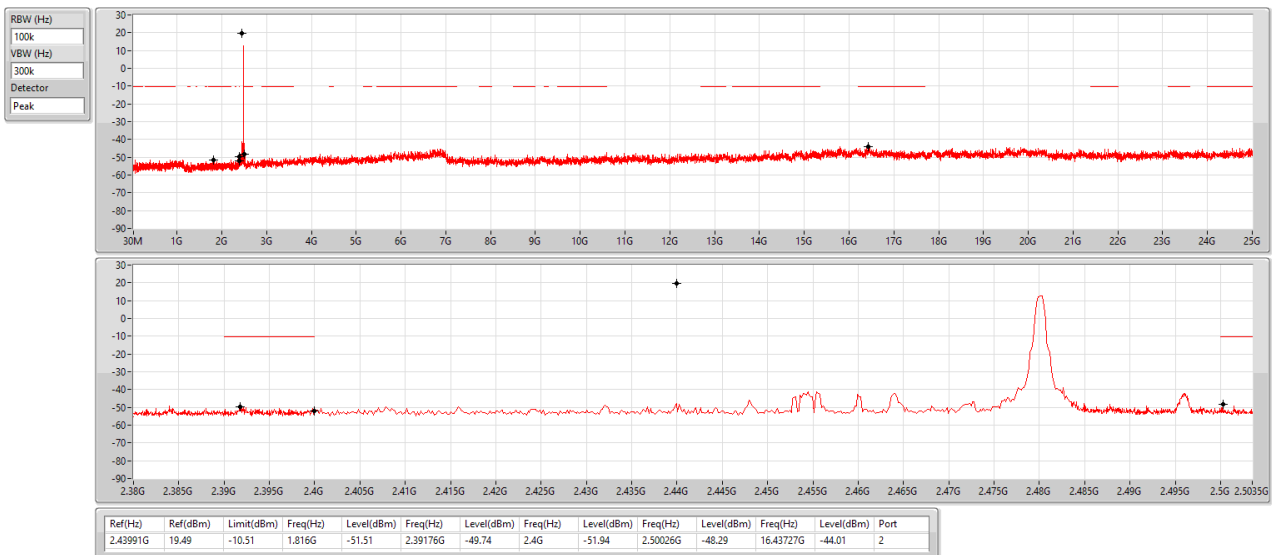
2440MHz



2.4-2.4835GHz_BT-LE (ANT10)_1MHz_Nss1_1TX(Port2)

CSEndB-DTS

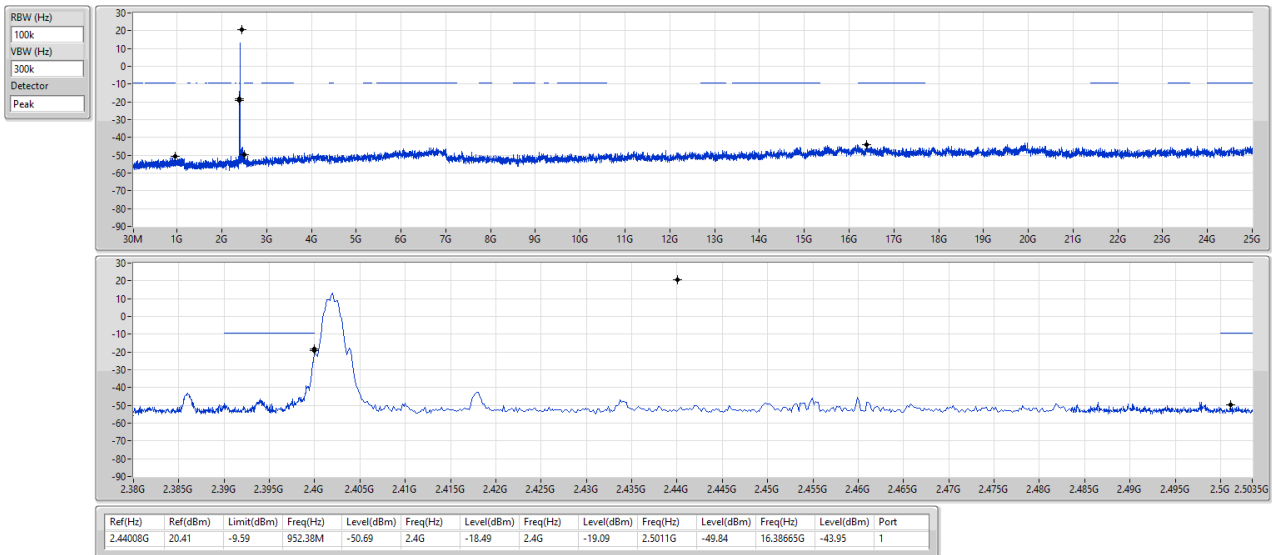
2480MHz



2.4-2.4835GHz_BT-LE2 (ANT9)_2MHz_Nss1_1TX(Port1)

CSEndB-DTS

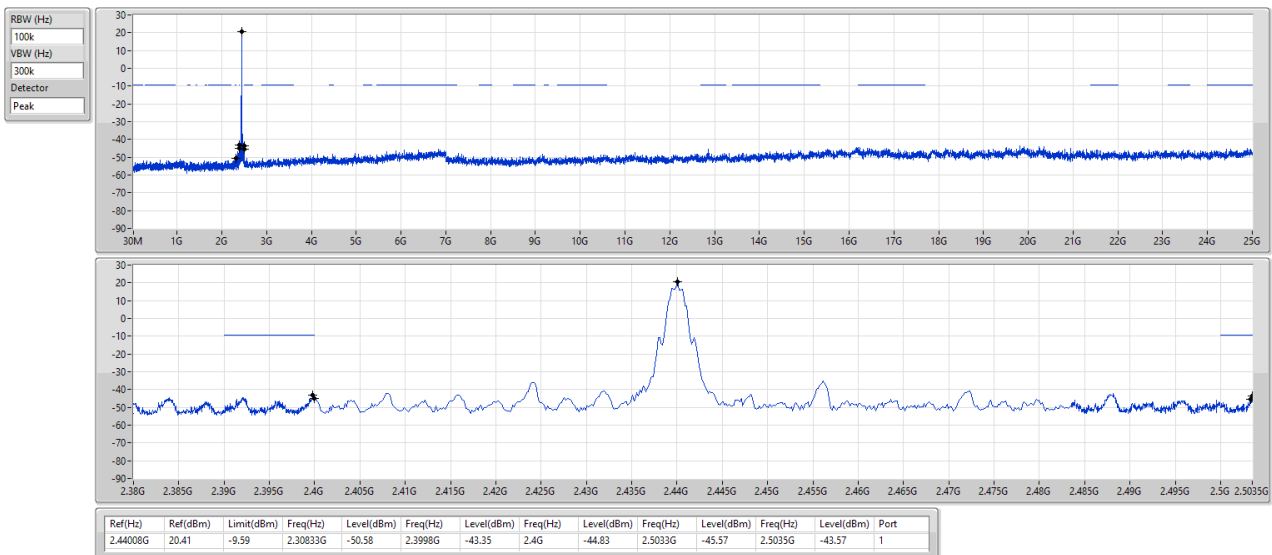
2402MHz



2.4-2.4835GHz_BT-LE2 (ANT9)_2MHz_Nss1_1TX(Port1)

CSEndB-DTS

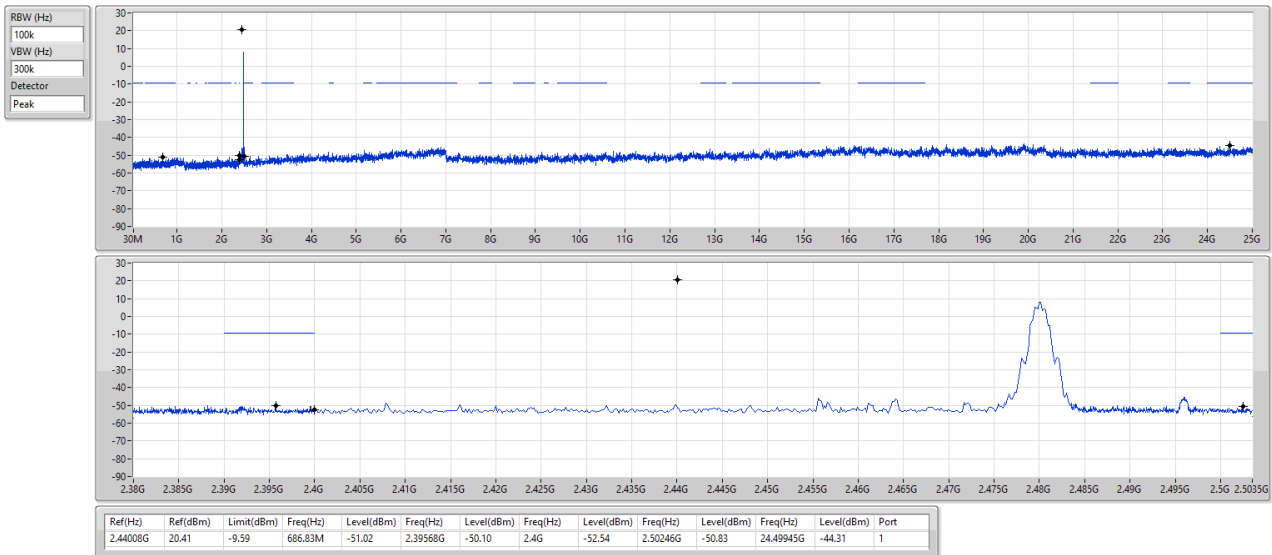
2440MHz



2.4-2.4835GHz_BT-LE2 (ANT9)_2MHz_Nss1_1TX(Port1)

CSEndB-DTS

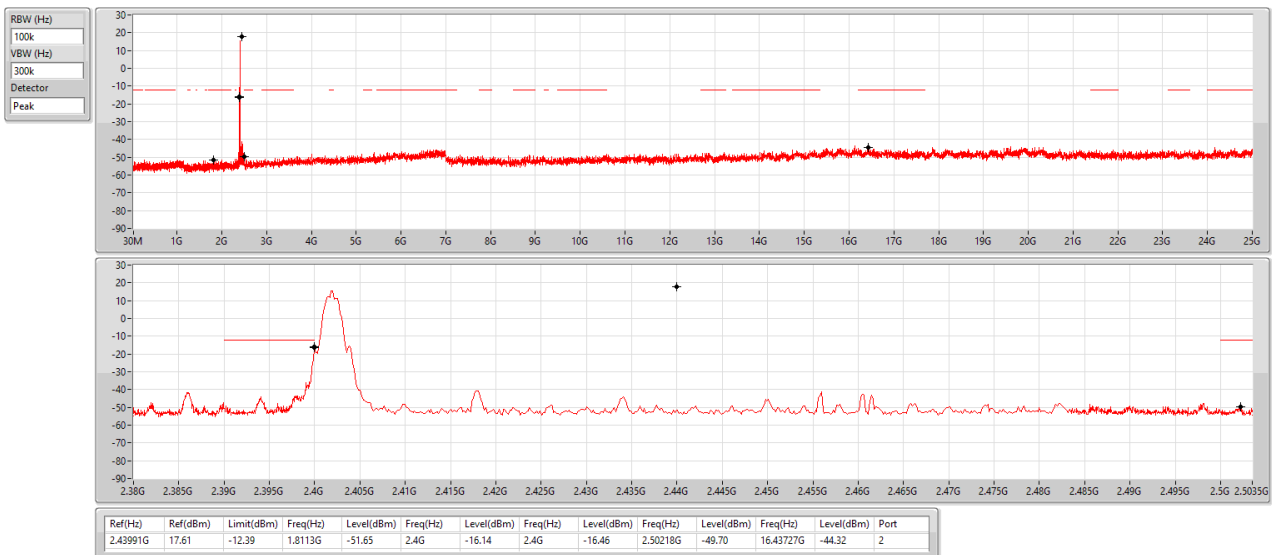
2480MHz



2.4-2.4835GHz_BT-LE2 (ANT10)_2MHz_Nss1_1TX(Port2)

CSEndB-DTS

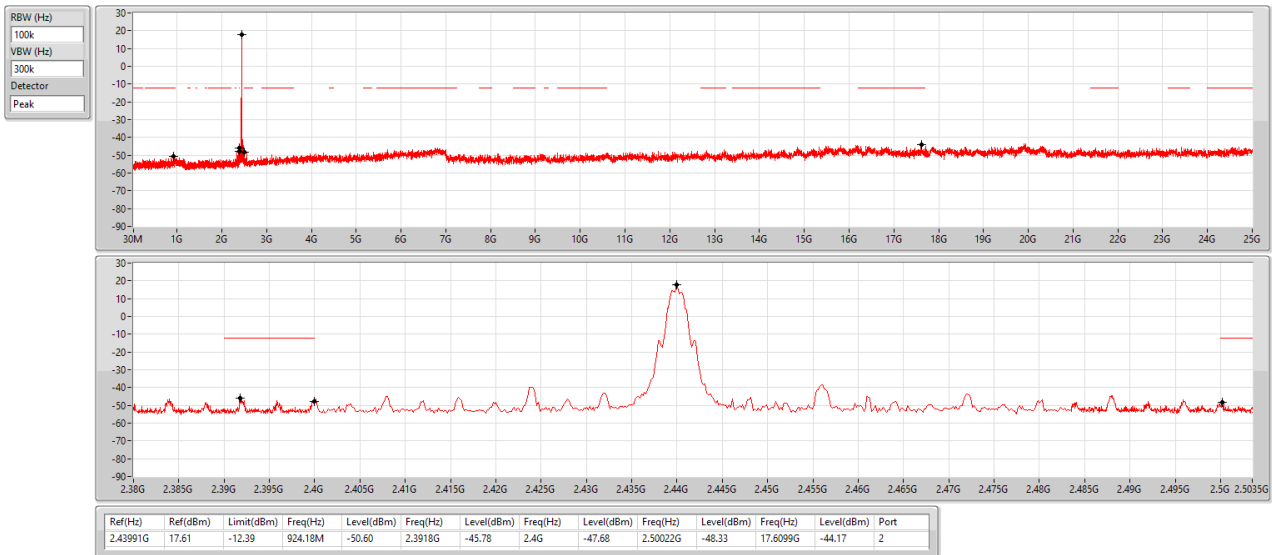
2402MHz



2.4-2.4835GHz_BT-LE2 (ANT10)_2MHz_Nss1_1TX(Port2)

CSEndB-DTS

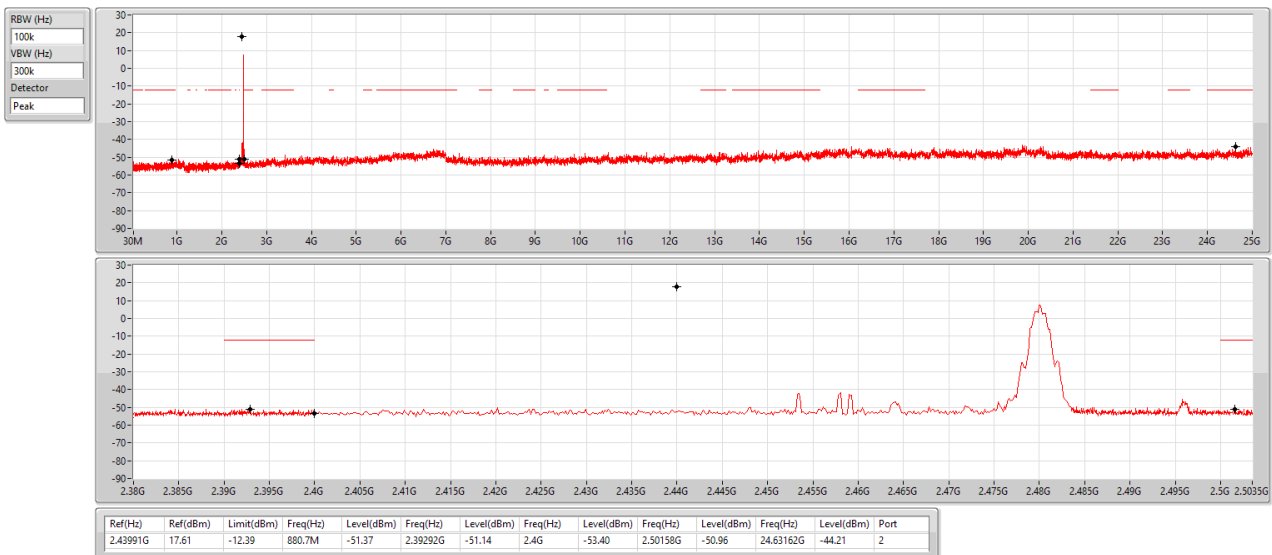
2440MHz



2.4-2.4835GHz_BT-LE2 (ANT10)_2MHz_Nss1_1TX(Port2)

CSEndB-DTS

2480MHz





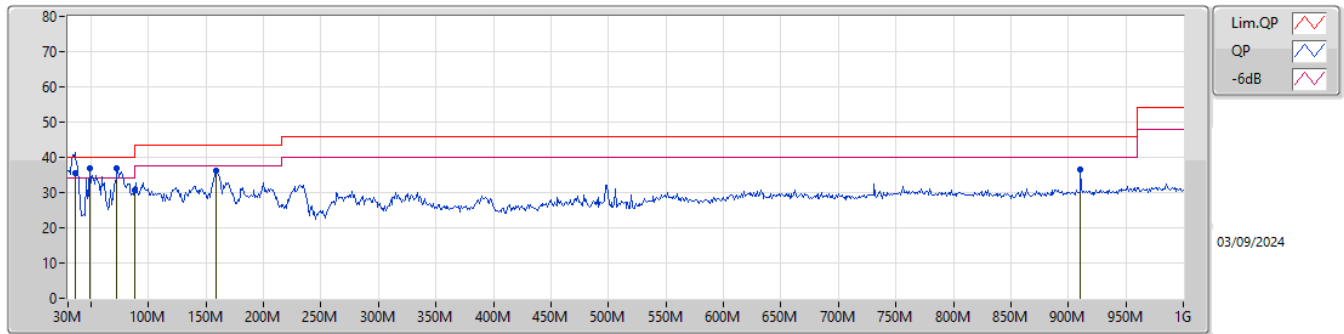
Radiated Emissions below 1GHz

Appendix F.1

Summary

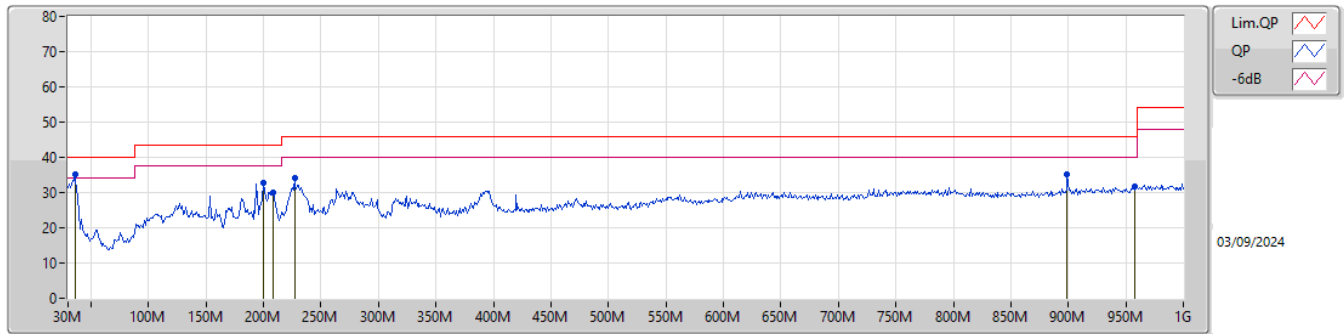
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	49.4M	36.88	40.00	-3.12	Vertical

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	35.82M	35.67	40.00	-4.33	-10.08	3	Vertical	5	1.00	-	45.75	21.12	1.21	32.41		
PK	49.4M	36.88	40.00	-3.12	-16.67	3	Vertical	0	1.25	"Worst"	53.55	14.34	1.32	32.33		
PK	72.68M	36.83	40.00	-3.17	-18.57	3	Vertical	246	2.00	-	55.40	12.24	1.50	32.31		
PK	88M	30.65	43.50	-12.85	-16.42	3	Vertical	102	1.25	-	47.07	14.35	1.61	32.38		
PK	159.01M	36.09	43.50	-7.41	-14.30	3	Vertical	161	1.25	-	50.39	15.98	1.98	32.26		
PK	910.76M	36.71	46.00	-9.29	-0.58	3	Vertical	5	1.50	-	37.29	26.39	4.34	31.31		

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)		
PK	35.82M	35.23	40.00	-4.77	-10.08	3	Horizontal	10	1.50	"Worst"	45.31	21.12	1.21	32.41		
PK	199.75M	32.75	43.50	-10.75	-14.92	3	Horizontal	136	1.00	-	47.67	15.12	2.19	32.23		
PK	208.48M	30.12	43.50	-13.38	-14.86	3	Horizontal	106	2.00	-	44.98	15.16	2.23	32.25		
PK	226.91M	33.98	46.00	-12.02	-14.32	3	Horizontal	83	1.50	-	48.30	15.66	2.31	32.29		
PK	899.12M	35.04	46.00	-10.96	-0.86	3	Horizontal	0	1.50	-	35.90	26.37	4.32	31.55		
PK	958.29M	31.65	46.00	-14.35	0.66	3	Horizontal	245	1.50	-	30.99	26.66	4.42	30.42		



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(1Mbps)	Pass	AV	2.4835G	52.90	54.00	-1.10	3	Horizontal	343	2.77	-
BT-LE(2Mbps)	Pass	AV	2.386G	52.95	54.00	-1.05	3	Horizontal	343	2.90	-



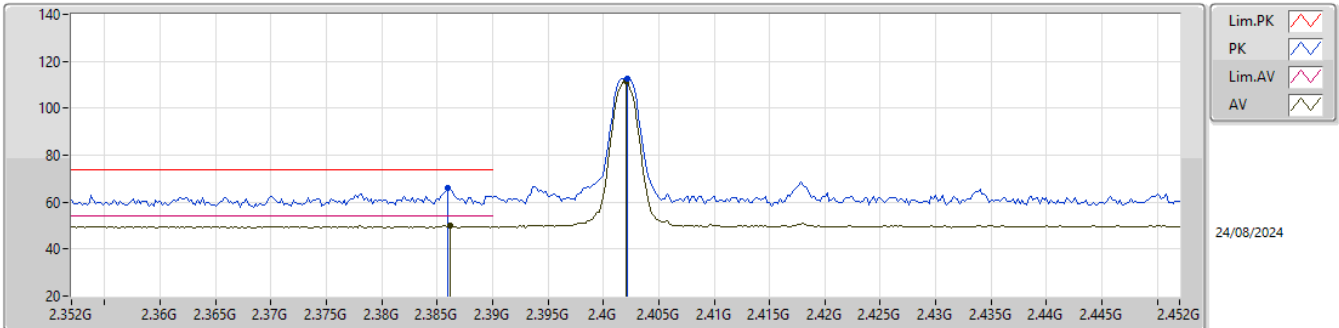
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	PK	2.386G	65.82	74.00	-8.18	3	Vertical	29	2.73	-
2402MHz	Pass	AV	2.3862G	50.25	54.00	-3.75	3	Vertical	29	2.73	-
2402MHz	Pass	PK	2.4022G	112.62	Inf	-Inf	3	Vertical	29	2.73	-
2402MHz	Pass	AV	2.402G	111.76	Inf	-Inf	3	Vertical	29	2.73	-
2402MHz	Pass	PK	2.386G	70.29	74.00	-3.71	3	Horizontal	344	2.91	-
2402MHz	Pass	AV	2.386G	51.70	54.00	-2.30	3	Horizontal	344	2.91	-
2402MHz	Pass	PK	2.4022G	116.75	Inf	-Inf	3	Horizontal	344	2.91	-
2402MHz	Pass	AV	2.402G	115.83	Inf	-Inf	3	Horizontal	344	2.91	-
2402MHz	Pass	PK	4.80332G	49.82	74.00	-24.18	3	Vertical	20	3.00	-
2402MHz	Pass	AV	4.80353G	39.76	54.00	-14.24	3	Vertical	20	3.00	-
2402MHz	Pass	PK	4.80432G	48.41	74.00	-25.59	3	Horizontal	42	2.05	-
2402MHz	Pass	AV	4.80384G	38.90	54.00	-15.10	3	Horizontal	42	2.05	-
2440MHz	Pass	PK	2.3836G	63.05	74.00	-10.95	3	Vertical	359	2.93	-
2440MHz	Pass	AV	2.376G	49.95	54.00	-4.05	3	Vertical	359	2.93	-
2440MHz	Pass	PK	2.4404G	115.32	Inf	-Inf	3	Vertical	359	2.93	-
2440MHz	Pass	AV	2.44G	114.43	Inf	-Inf	3	Vertical	359	2.93	-
2440MHz	Pass	PK	2.488G	66.43	74.00	-7.57	3	Vertical	359	2.93	-
2440MHz	Pass	AV	2.492G	50.12	54.00	-3.88	3	Vertical	359	2.93	-
2440MHz	Pass	PK	2.3836G	68.95	74.00	-5.05	3	Horizontal	342	2.89	-
2440MHz	Pass	AV	2.3756G	51.44	54.00	-2.56	3	Horizontal	342	2.89	-
2440MHz	Pass	PK	2.4404G	119.56	Inf	-Inf	3	Horizontal	342	2.89	-
2440MHz	Pass	AV	2.44G	118.70	Inf	-Inf	3	Horizontal	342	2.89	-
2440MHz	Pass	PK	2.4884G	68.27	74.00	-5.73	3	Horizontal	342	2.89	-
2440MHz	Pass	AV	2.4888G	50.39	54.00	-3.61	3	Horizontal	342	2.89	-
2440MHz	Pass	PK	4.87989G	49.00	74.00	-25.00	3	Vertical	49	2.19	-
2440MHz	Pass	AV	4.87985G	39.75	54.00	-14.25	3	Vertical	49	2.19	-
2440MHz	Pass	PK	7.32046G	59.35	74.00	-14.65	3	Vertical	6	2.88	-
2440MHz	Pass	AV	7.31929G	51.48	54.00	-2.52	3	Vertical	6	2.88	-
2440MHz	Pass	PK	4.88009G	49.18	74.00	-24.82	3	Horizontal	42	2.44	-
2440MHz	Pass	AV	4.87968G	40.44	54.00	-13.56	3	Horizontal	42	2.44	-
2440MHz	Pass	PK	7.32083G	58.06	74.00	-15.94	3	Horizontal	338	2.12	-
2440MHz	Pass	AV	7.31936G	48.58	54.00	-5.42	3	Horizontal	338	2.12	-
2478MHz	Pass	PK	2.4778G	114.71	Inf	-Inf	3	Vertical	352	2.91	-
2478MHz	Pass	AV	2.478G	113.83	Inf	-Inf	3	Vertical	352	2.91	-
2478MHz	Pass	PK	2.494G	69.72	74.00	-4.28	3	Vertical	352	2.91	-
2478MHz	Pass	AV	2.494G	50.90	54.00	-3.10	3	Vertical	352	2.91	-
2478MHz	Pass	PK	2.4778G	117.36	Inf	-Inf	3	Horizontal	342	2.78	-
2478MHz	Pass	AV	2.478G	116.49	Inf	-Inf	3	Horizontal	342	2.78	-
2478MHz	Pass	PK	2.4942G	72.79	74.00	-1.21	3	Horizontal	342	2.78	-
2478MHz	Pass	AV	2.494G	52.10	54.00	-1.90	3	Horizontal	342	2.78	-
2480MHz	Pass	PK	2.4798G	112.65	Inf	-Inf	3	Vertical	351	2.94	-
2480MHz	Pass	AV	2.48G	111.47	Inf	-Inf	3	Vertical	351	2.94	-
2480MHz	Pass	PK	2.496G	66.76	74.00	-7.24	3	Vertical	351	2.94	-
2480MHz	Pass	AV	2.4835G	51.59	54.00	-2.41	3	Vertical	351	2.94	-
2480MHz	Pass	PK	2.4798G	114.39	Inf	-Inf	3	Horizontal	343	2.77	-
2480MHz	Pass	AV	2.48G	113.51	Inf	-Inf	3	Horizontal	343	2.77	-
2480MHz	Pass	PK	2.496G	69.92	74.00	-4.08	3	Horizontal	343	2.77	-
2480MHz	Pass	AV	2.4835G	52.90	54.00	-1.10	3	Horizontal	343	2.77	-
2480MHz	Pass	PK	4.95905G	49.88	74.00	-24.12	3	Vertical	73	1.96	-
2480MHz	Pass	AV	4.96011G	39.33	54.00	-14.67	3	Vertical	73	1.96	-
2480MHz	Pass	PK	7.43901G	57.28	74.00	-16.72	3	Vertical	236	1.15	-
2480MHz	Pass	AV	7.43935G	48.60	54.00	-5.40	3	Vertical	236	1.15	-
2480MHz	Pass	PK	4.96085G	48.12	74.00	-25.88	3	Horizontal	281	1.55	-
2480MHz	Pass	AV	4.96011G	38.09	54.00	-15.91	3	Horizontal	281	1.55	-
2480MHz	Pass	PK	7.43985G	56.85	74.00	-17.15	3	Horizontal	131	2.92	-
2480MHz	Pass	AV	7.44009G	46.59	54.00	-7.41	3	Horizontal	131	2.92	-
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	PK	2.386G	65.33	74.00	-8.67	3	Vertical	359	2.72	-
2402MHz	Pass	AV	2.3862G	51.92	54.00	-2.08	3	Vertical	359	2.72	-
2402MHz	Pass	PK	2.4014G	109.17	Inf	-Inf	3	Vertical	359	2.72	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2402MHz	Pass	AV	2.4018G	107.06	Inf	-Inf	3	Vertical	359	2.72	-
2402MHz	Pass	PK	2.386G	68.24	74.00	-5.76	3	Horizontal	343	2.90	-
2402MHz	Pass	AV	2.386G	52.95	54.00	-1.05	3	Horizontal	343	2.90	-
2402MHz	Pass	PK	2.4024G	111.41	Inf	-Inf	3	Horizontal	343	2.90	-
2402MHz	Pass	AV	2.402G	109.20	Inf	-Inf	3	Horizontal	343	2.90	-
2402MHz	Pass	PK	4.80392G	49.47	74.00	-24.53	3	Vertical	157	2.55	-
2402MHz	Pass	AV	4.80486G	39.85	54.00	-14.15	3	Vertical	157	2.55	-
2402MHz	Pass	PK	4.80341G	48.62	74.00	-25.38	3	Horizontal	98	1.45	-
2402MHz	Pass	AV	4.80314G	38.62	54.00	-15.38	3	Horizontal	98	1.45	-
2404MHz	Pass	PK	2.388G	64.77	74.00	-9.23	3	Vertical	360	2.72	-
2404MHz	Pass	AV	2.3884G	52.36	54.00	-1.64	3	Vertical	360	2.72	-
2404MHz	Pass	PK	2.4034G	108.31	Inf	-Inf	3	Vertical	360	2.72	-
2404MHz	Pass	AV	2.404G	106.20	Inf	-Inf	3	Vertical	360	2.72	-
2404MHz	Pass	PK	2.388G	68.89	74.00	-5.11	3	Horizontal	347	2.91	-
2404MHz	Pass	AV	2.3876G	52.76	54.00	-1.24	3	Horizontal	347	2.91	-
2404MHz	Pass	PK	2.4044G	111.47	Inf	-Inf	3	Horizontal	347	2.91	-
2404MHz	Pass	AV	2.4038G	109.33	Inf	-Inf	3	Horizontal	347	2.91	-
2440MHz	Pass	PK	2.3676G	63.47	74.00	-10.53	3	Vertical	14	2.93	-
2440MHz	Pass	AV	2.376G	51.89	54.00	-2.11	3	Vertical	14	2.93	-
2440MHz	Pass	PK	2.4404G	115.98	Inf	-Inf	3	Vertical	14	2.93	-
2440MHz	Pass	AV	2.44G	113.82	Inf	-Inf	3	Vertical	14	2.93	-
2440MHz	Pass	PK	2.4876G	63.99	74.00	-10.01	3	Vertical	14	2.93	-
2440MHz	Pass	AV	2.488G	52.10	54.00	-1.90	3	Vertical	14	2.93	-
2440MHz	Pass	PK	2.3836G	69.65	74.00	-4.35	3	Horizontal	342	2.89	-
2440MHz	Pass	AV	2.384G	52.93	54.00	-1.07	3	Horizontal	342	2.89	-
2440MHz	Pass	PK	2.4404G	119.74	Inf	-Inf	3	Horizontal	342	2.89	-
2440MHz	Pass	AV	2.44G	117.59	Inf	-Inf	3	Horizontal	342	2.89	-
2440MHz	Pass	PK	2.488G	67.99	74.00	-6.01	3	Horizontal	342	2.89	-
2440MHz	Pass	AV	2.488G	52.53	54.00	-1.47	3	Horizontal	342	2.89	-
2440MHz	Pass	PK	4.88002G	48.86	74.00	-25.14	3	Vertical	43	2.16	-
2440MHz	Pass	AV	4.87994G	40.64	54.00	-13.36	3	Vertical	43	2.16	-
2440MHz	Pass	PK	7.32144G	59.33	74.00	-14.67	3	Vertical	4	2.88	-
2440MHz	Pass	AV	7.31862G	52.42	54.00	-1.58	3	Vertical	4	2.88	-
2440MHz	Pass	PK	4.87892G	49.97	74.00	-24.03	3	Horizontal	37	2.26	-
2440MHz	Pass	AV	4.87896G	41.58	54.00	-12.42	3	Horizontal	37	2.26	-
2440MHz	Pass	PK	7.31848G	57.73	74.00	-16.27	3	Horizontal	336	2.10	-
2440MHz	Pass	AV	7.31988G	50.70	54.00	-3.30	3	Horizontal	336	2.10	-
2478MHz	Pass	PK	2.4784G	105.53	Inf	-Inf	3	Vertical	360	1.80	-
2478MHz	Pass	AV	2.4778G	103.37	Inf	-Inf	3	Vertical	360	1.80	-
2478MHz	Pass	PK	2.4938G	65.10	74.00	-8.90	3	Vertical	360	1.80	-
2478MHz	Pass	AV	2.494G	51.87	54.00	-2.13	3	Vertical	360	1.80	-
2478MHz	Pass	PK	2.4774G	110.00	Inf	-Inf	3	Horizontal	342	2.77	-
2478MHz	Pass	AV	2.478G	107.94	Inf	-Inf	3	Horizontal	342	2.77	-
2478MHz	Pass	PK	2.4938G	68.02	74.00	-5.98	3	Horizontal	342	2.77	-
2478MHz	Pass	AV	2.4938G	52.94	54.00	-1.06	3	Horizontal	342	2.77	-
2480MHz	Pass	PK	2.4794G	106.40	Inf	-Inf	3	Vertical	354	2.91	-
2480MHz	Pass	AV	2.48G	104.28	Inf	-Inf	3	Vertical	354	2.91	-
2480MHz	Pass	PK	2.496G	64.10	74.00	-9.90	3	Vertical	354	2.91	-
2480MHz	Pass	AV	2.4835G	52.69	54.00	-1.31	3	Vertical	354	2.91	-
2480MHz	Pass	PK	2.4794G	107.87	Inf	-Inf	3	Horizontal	341	2.78	-
2480MHz	Pass	AV	2.48G	105.76	Inf	-Inf	3	Horizontal	341	2.78	-
2480MHz	Pass	PK	2.4835G	64.38	74.00	-9.62	3	Horizontal	341	2.78	-
2480MHz	Pass	AV	2.4835G	52.90	54.00	-1.10	3	Horizontal	341	2.78	-
2480MHz	Pass	PK	4.95914G	49.21	74.00	-24.79	3	Vertical	39	2.09	-
2480MHz	Pass	AV	4.96004G	39.63	54.00	-14.37	3	Vertical	39	2.09	-
2480MHz	Pass	PK	7.44002G	55.35	74.00	-18.65	3	Vertical	3	2.88	-
2480MHz	Pass	AV	7.43998G	46.45	54.00	-7.55	3	Vertical	3	2.88	-
2480MHz	Pass	PK	4.9609G	48.75	74.00	-25.25	3	Horizontal	40	2.53	-
2480MHz	Pass	AV	4.96002G	39.14	54.00	-14.86	3	Horizontal	40	2.53	-
2480MHz	Pass	PK	7.4415G	54.09	74.00	-19.91	3	Horizontal	315	2.69	-
2480MHz	Pass	AV	7.44082G	44.79	54.00	-9.21	3	Horizontal	315	2.69	-

2.4-2.4835GHz_BT-LE(1Mbps)

2402MHz_TX

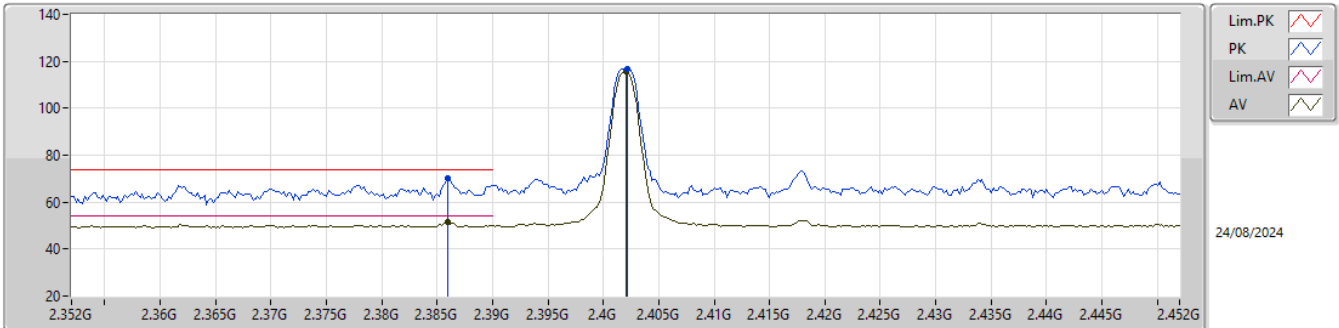


EUT_Y_1TX
Setting 18
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	2.386G	65.82	74.00	-8.18	33.51	3	Vertical	29	2.73	-	27.60	4.71	-				
AV	2.386G	50.25	54.00	-3.75	17.94	3	Vertical	29	2.73	-	27.60	4.71	-				
PK	2.402G	112.62	Inf	-Inf	80.30	3	Vertical	29	2.73	-	27.60	4.72	-				
AV	2.402G	111.76	Inf	-Inf	79.44	3	Vertical	29	2.73	-	27.60	4.72	-				

2.4-2.4835GHz_BT-LE(1Mbps)

2402MHz_TX

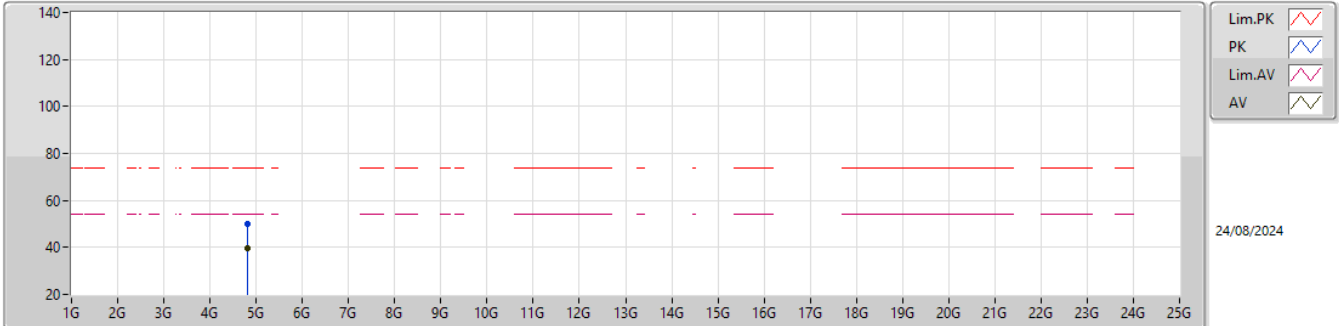


EUT_Y_1TX
Setting 18
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	2.386G	70.29	74.00	-3.71	37.98	3	Horizontal	344	2.91	-	27.60	4.71	-				
AV	2.386G	51.70	54.00	-2.30	19.39	3	Horizontal	344	2.91	-	27.60	4.71	-				
PK	2.402G	116.75	Inf	-Inf	84.43	3	Horizontal	344	2.91	-	27.60	4.72	-				
AV	2.402G	115.83	Inf	-Inf	83.51	3	Horizontal	344	2.91	-	27.60	4.72	-				

2.4-2.4835GHz_BT-LE(1Mbps)

2402MHz_TX

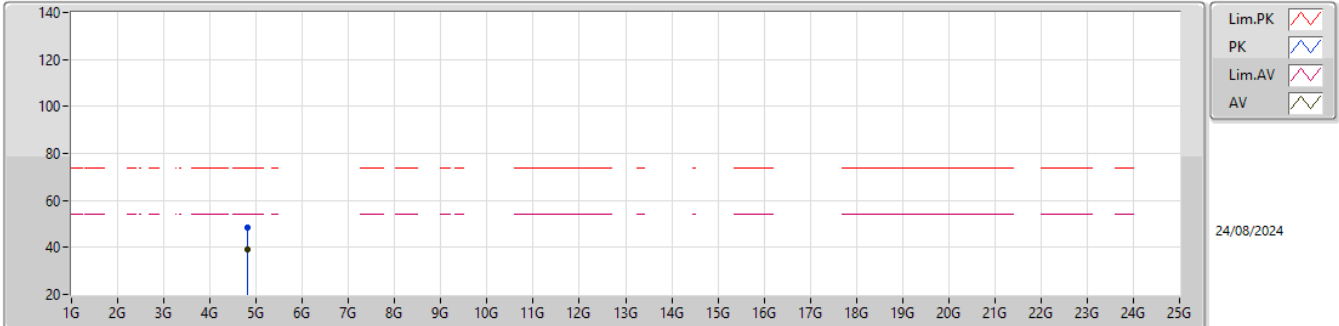


EUT_Y_1TX
Setting 18
06-P-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA			
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)			
PK	4.80332G	49.82	74.00	-24.18	43.81	3	Vertical	20	3.00	-	31.39	6.67	32.05			
AV	4.80353G	39.76	54.00	-14.24	33.75	3	Vertical	20	3.00	-	31.39	6.67	32.05			

2.4-2.4835GHz_BT-LE(1Mbps)

2402MHz_TX

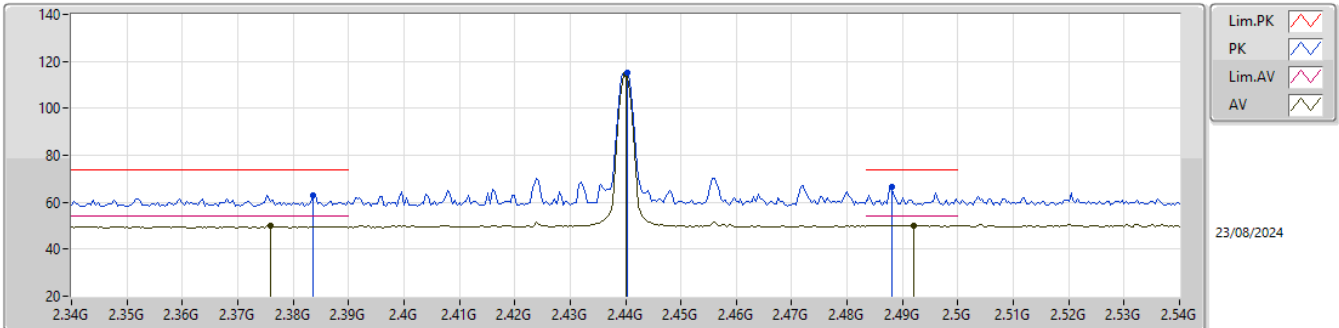


EUT_V_1TX
Setting 18
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.80432G	48.41	74.00	-25.59	42.40	3	Horizontal	42	2.05	-	31.39	6.67	32.05			
AV	4.80384G	38.90	54.00	-15.10	32.89	3	Horizontal	42	2.05	-	31.39	6.67	32.05			

2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_TX

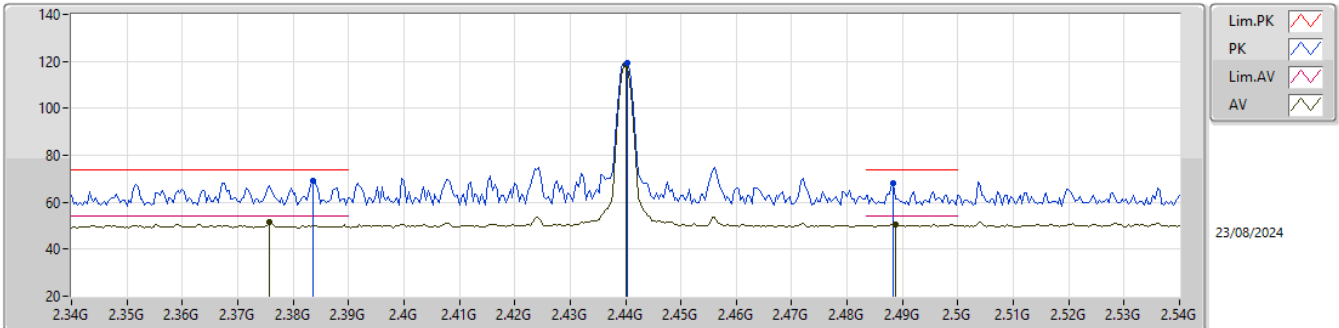


EUT_Y_1TX
Setting 20
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.3836G	63.05	74.00	-10.95	30.75	3	Vertical	359	2.93	-	27.60	4.70	-			
AV	2.376G	49.95	54.00	-4.05	17.62	3	Vertical	359	2.93	-	27.64	4.69	-			
PK	2.4404G	115.32	Inf	-Inf	83.16	3	Vertical	359	2.93	-	27.40	4.76	-			
AV	2.44G	114.43	Inf	-Inf	82.27	3	Vertical	359	2.93	-	27.40	4.76	-			
PK	2.488G	66.43	74.00	-7.57	34.15	3	Vertical	359	2.93	-	27.48	4.80	-			
AV	2.492G	50.12	54.00	-3.88	17.84	3	Vertical	359	2.93	-	27.48	4.80	-			

2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_TX

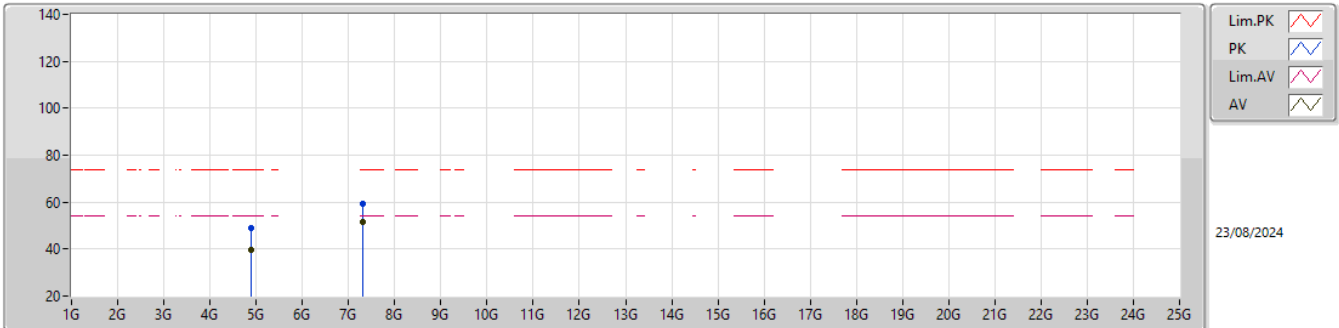


EUT_Y_1TX
Setting 20
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.3836G	68.95	74.00	-5.05	36.65	3	Horizontal	342	2.89	-	27.60	4.70	-			
AV	2.3756G	51.44	54.00	-2.56	19.11	3	Horizontal	342	2.89	-	27.64	4.69	-			
PK	2.4404G	119.56	Inf	-Inf	87.40	3	Horizontal	342	2.89	-	27.40	4.76	-			
AV	2.44G	118.70	Inf	-Inf	86.54	3	Horizontal	342	2.89	-	27.40	4.76	-			
PK	2.4884G	68.27	74.00	-5.73	35.99	3	Horizontal	342	2.89	-	27.48	4.80	-			
AV	2.4888G	50.39	54.00	-3.61	18.10	3	Horizontal	342	2.89	-	27.49	4.80	-			

2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_TX

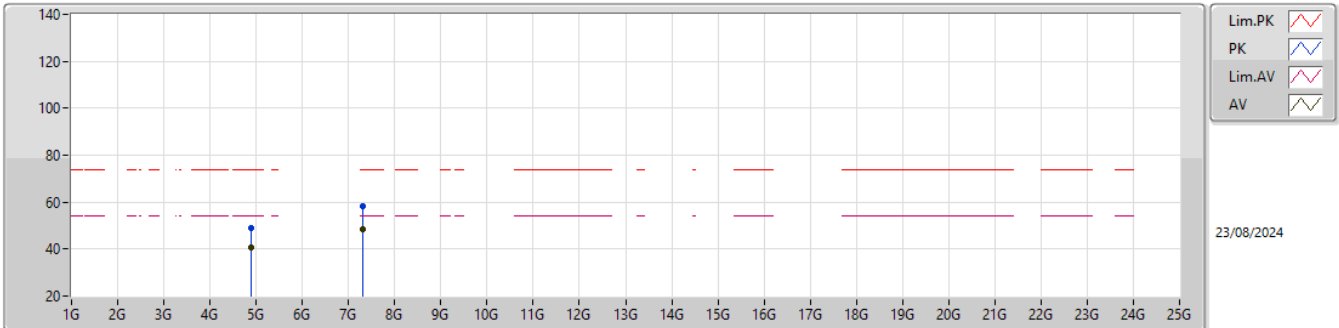


EUT_Y_1TX
Setting 20
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.87989G	49.00	74.00	-25.00	42.97	3	Vertical	49	2.19	-	31.30	6.74	32.01			
AV	4.87985G	39.75	54.00	-14.25	33.72	3	Vertical	49	2.19	-	31.30	6.74	32.01			
PK	7.32046G	59.35	74.00	-14.65	47.60	3	Vertical	6	2.88	-	36.60	8.34	33.19			
AV	7.31929G	51.48	54.00	-2.52	39.73	3	Vertical	6	2.88	-	36.60	8.34	33.19			

2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_TX

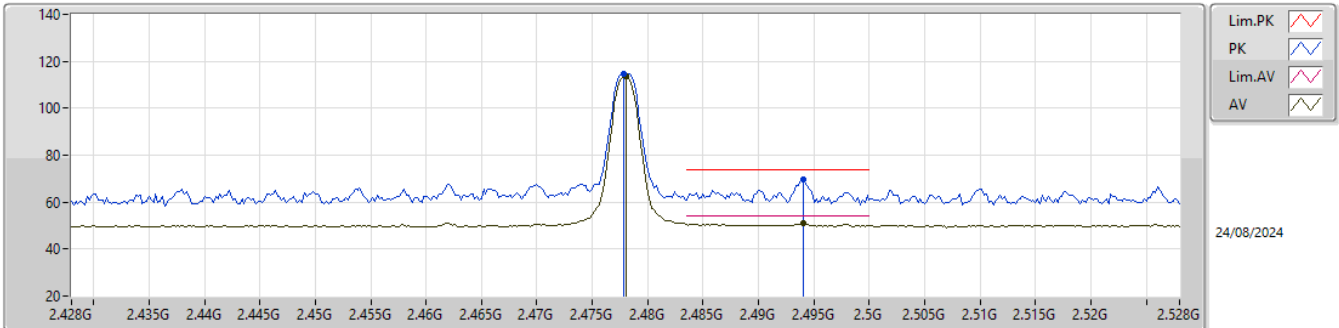


EUT_Y_1TX
Setting 20
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.88009G	49.18	74.00	-24.82	43.15	3	Horizontal	42	2.44	-	31.30	6.74	32.01			
AV	4.87968G	40.44	54.00	-13.56	34.41	3	Horizontal	42	2.44	-	31.30	6.74	32.01			
PK	7.32083G	58.06	74.00	-15.94	46.31	3	Horizontal	338	2.12	-	36.60	8.34	33.19			
AV	7.31936G	48.58	54.00	-5.42	36.83	3	Horizontal	338	2.12	-	36.60	8.34	33.19			

2.4-2.4835GHz_BT-LE(1Mbps)

2478MHz_TX

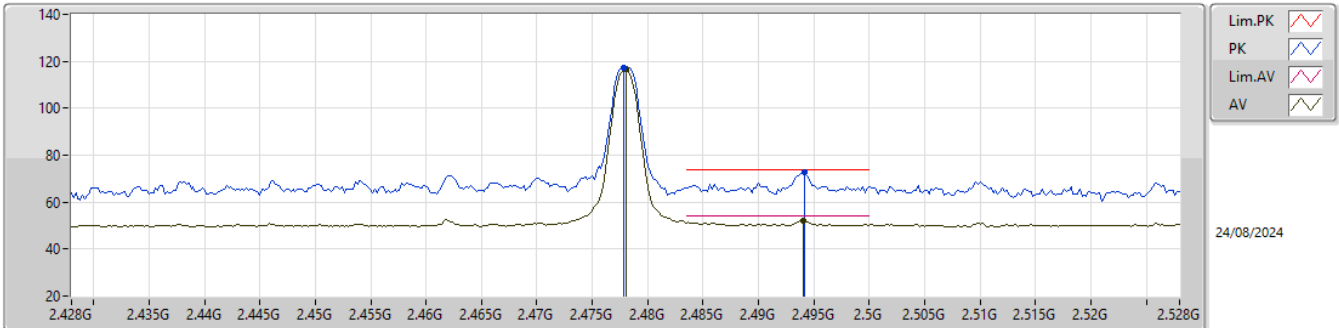


EUT_Y_1TX
Setting 17
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.4778G	114.71	Inf	-Inf	82.54	3	Vertical	352	2.91	-	27.38	4.79	-			
AV	2.478G	113.83	Inf	-Inf	81.66	3	Vertical	352	2.91	-	27.38	4.79	-			
PK	2.494G	69.72	74.00	-4.28	37.46	3	Vertical	352	2.91	-	27.46	4.80	-			
AV	2.494G	50.90	54.00	-3.10	18.64	3	Vertical	352	2.91	-	27.46	4.80	-			

2.4-2.4835GHz_BT-LE(1Mbps)

2478MHz_TX

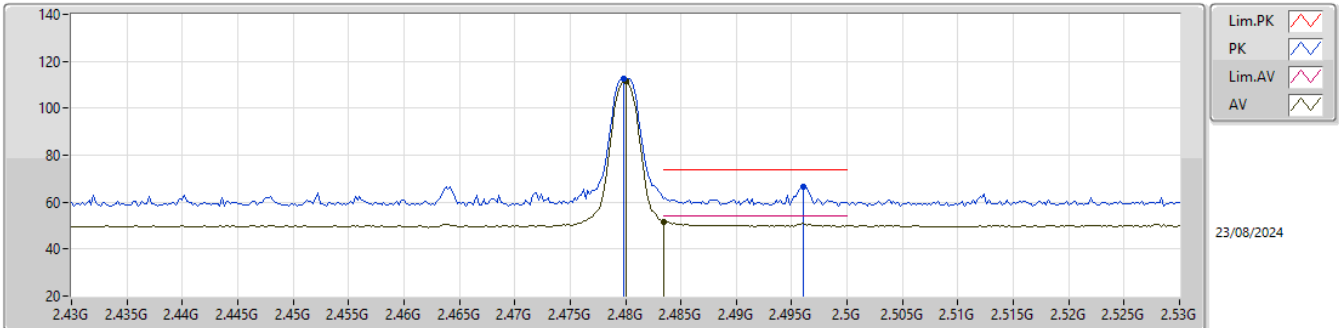


EUT_Y_1TX
Setting 17
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.4778G	117.36	Inf	-Inf	85.19	3	Horizontal	342	2.78	-	27.38	4.79	-			
AV	2.478G	116.49	Inf	-Inf	84.32	3	Horizontal	342	2.78	-	27.38	4.79	-			
PK	2.4942G	72.79	74.00	-1.21	40.53	3	Horizontal	342	2.78	-	27.46	4.80	-			
AV	2.494G	52.10	54.00	-1.90	19.84	3	Horizontal	342	2.78	-	27.46	4.80	-			

2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX

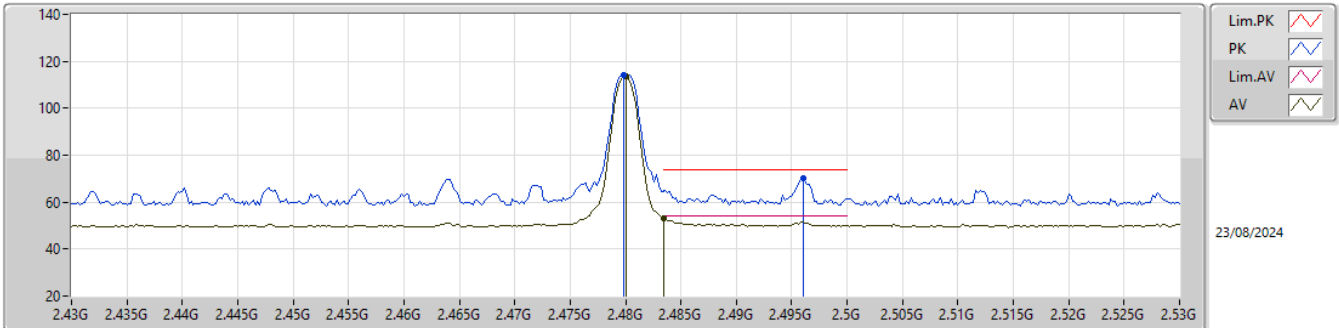


EUT_Y_1TX
Setting 14
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	2.4798G	112.65	Inf	-Inf	80.46	3	Vertical	351	2.94	-	27.40	4.79	-				
AV	2.48G	111.47	Inf	-Inf	79.28	3	Vertical	351	2.94	-	27.40	4.79	-				
PK	2.496G	66.76	74.00	-7.24	34.51	3	Vertical	351	2.94	-	27.44	4.81	-				
AV	2.4835G	51.59	54.00	-2.41	19.35	3	Vertical	351	2.94	-	27.44	4.80	-				

2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX

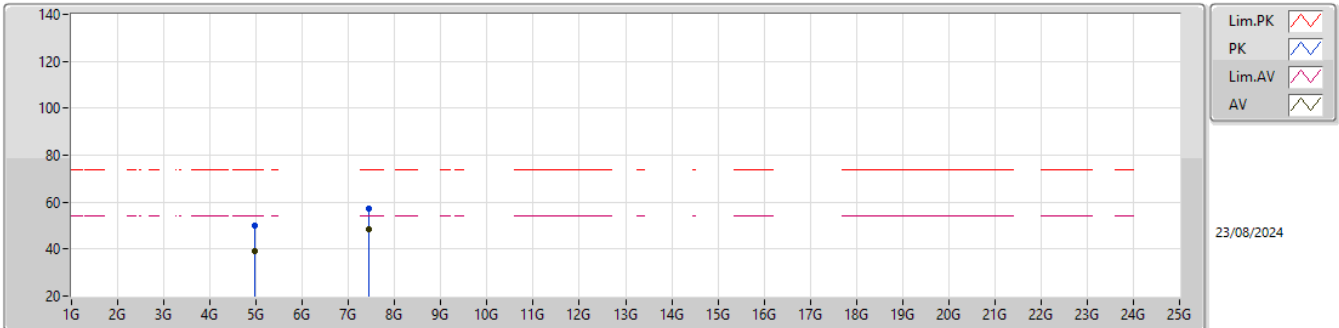


EUT_Y_1TX
Setting 14
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.4798G	114.39	Inf	-Inf	82.20	3	Horizontal	343	2.77	-	27.40	4.79	-			
AV	2.48G	113.51	Inf	-Inf	81.32	3	Horizontal	343	2.77	-	27.40	4.79	-			
PK	2.496G	69.92	74.00	-4.08	37.67	3	Horizontal	343	2.77	-	27.44	4.81	-			
AV	2.4835G	52.90	54.00	-1.10	20.66	3	Horizontal	343	2.77	-	27.44	4.80	-			

2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX

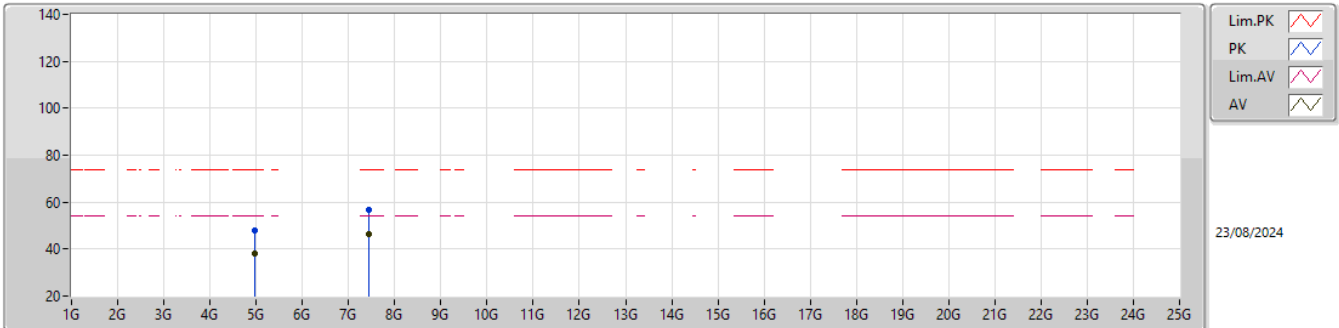


EUT_Y_1TX
Setting 14
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	4.95905G	49.88	74.00	-24.12	43.51	3	Vertical	73	1.96	-	31.52	6.81	31.96				
AV	4.96011G	39.33	54.00	-14.67	32.96	3	Vertical	73	1.96	-	31.52	6.81	31.96				
PK	7.43901G	57.28	74.00	-16.72	45.76	3	Vertical	236	1.15	-	36.48	8.38	33.34				
AV	7.43935G	48.60	54.00	-5.40	37.08	3	Vertical	236	1.15	-	36.48	8.38	33.34				

2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX

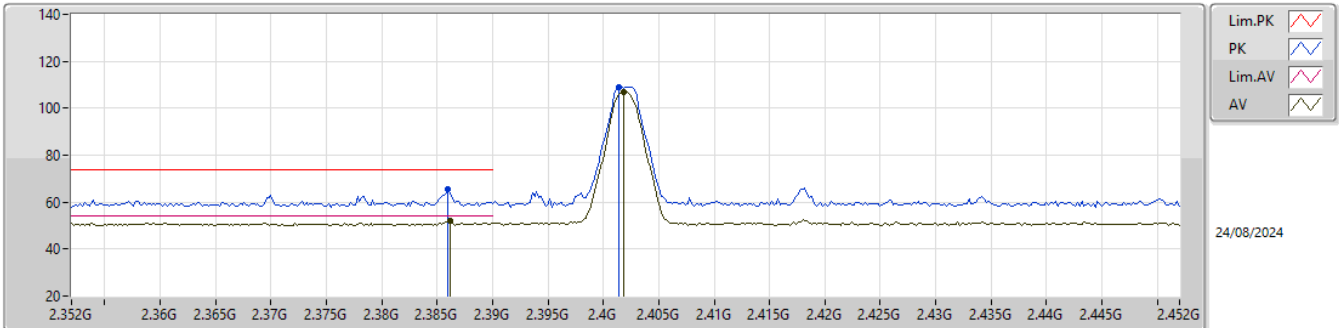


EUT_Y_1TX
Setting 14
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.96085G	48.12	74.00	-25.88	41.75	3	Horizontal	281	1.55	-	31.52	6.81	31.96			
AV	4.96011G	38.09	54.00	-15.91	31.72	3	Horizontal	281	1.55	-	31.52	6.81	31.96			
PK	7.43985G	56.85	74.00	-17.15	45.33	3	Horizontal	131	2.92	-	36.48	8.38	33.34			
AV	7.44009G	46.59	54.00	-7.41	35.07	3	Horizontal	131	2.92	-	36.48	8.38	33.34			

2.4-2.4835GHz_BT-LE(2Mbps)

2402MHz_TX

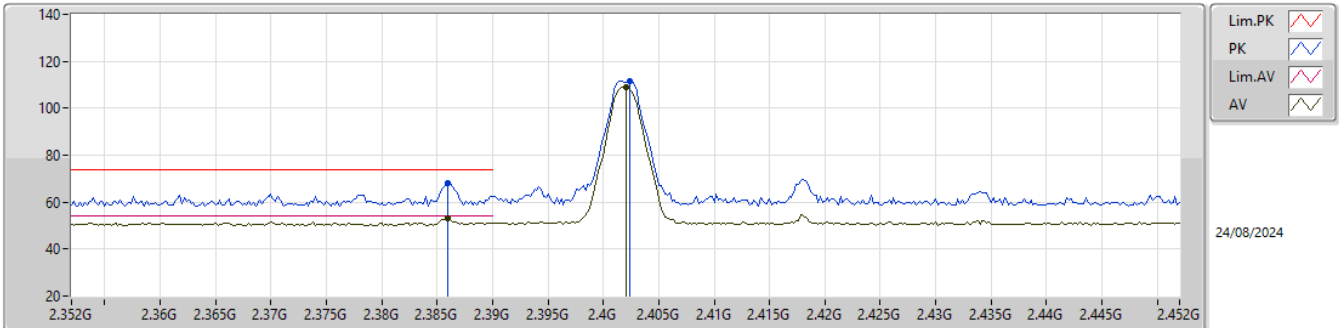


EUT_Y_1TX
Setting 12
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.386G	65.33	74.00	-8.67	33.02	3	Vertical	359	2.72	-	27.60	4.71	-			
AV	2.3862G	51.92	54.00	-2.08	19.61	3	Vertical	359	2.72	-	27.60	4.71	-			
PK	2.4014G	109.17	Inf	-Inf	76.85	3	Vertical	359	2.72	-	27.60	4.72	-			
AV	2.4018G	107.06	Inf	-Inf	74.74	3	Vertical	359	2.72	-	27.60	4.72	-			

2.4-2.4835GHz_BT-LE(2Mbps)

2402MHz_TX

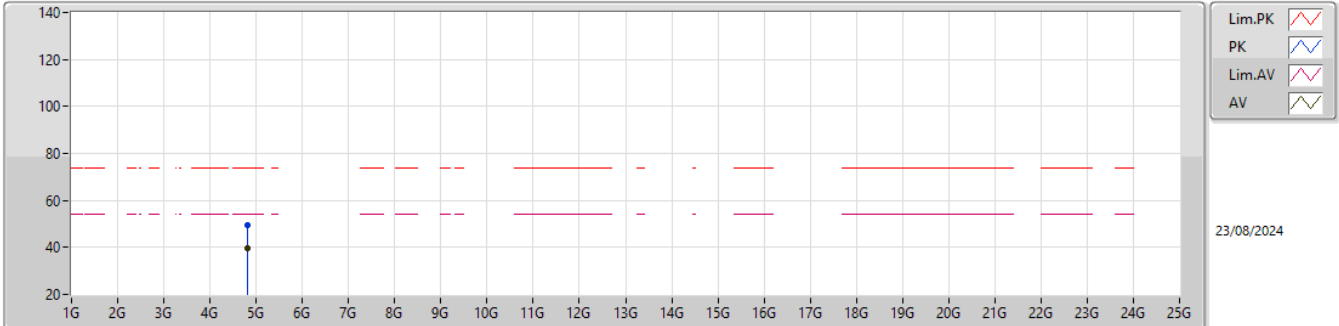


EUT_Y_1TX
Setting 12
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.386G	68.24	74.00	-5.76	35.93	3	Horizontal	343	2.90	-	27.60	4.71	-			
AV	2.386G	52.95	54.00	-1.05	20.64	3	Horizontal	343	2.90	-	27.60	4.71	-			
PK	2.4024G	111.41	Inf	-Inf	79.09	3	Horizontal	343	2.90	-	27.60	4.72	-			
AV	2.402G	109.20	Inf	-Inf	76.88	3	Horizontal	343	2.90	-	27.60	4.72	-			

2.4-2.4835GHz_BT-LE(2Mbps)

2402MHz_TX

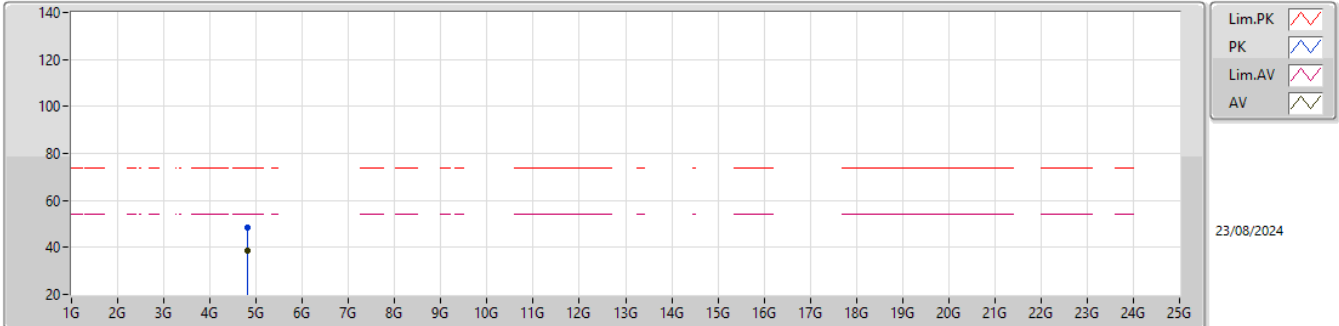


EUT_Y_1TX
Setting 12
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.80392G	49.47	74.00	-24.53	43.46	3	Vertical	157	2.55	-	31.39	6.67	32.05			
AV	4.80486G	39.85	54.00	-14.15	33.84	3	Vertical	157	2.55	-	31.39	6.67	32.05			

2.4-2.4835GHz_BT-LE(2Mbps)

2402MHz_TX

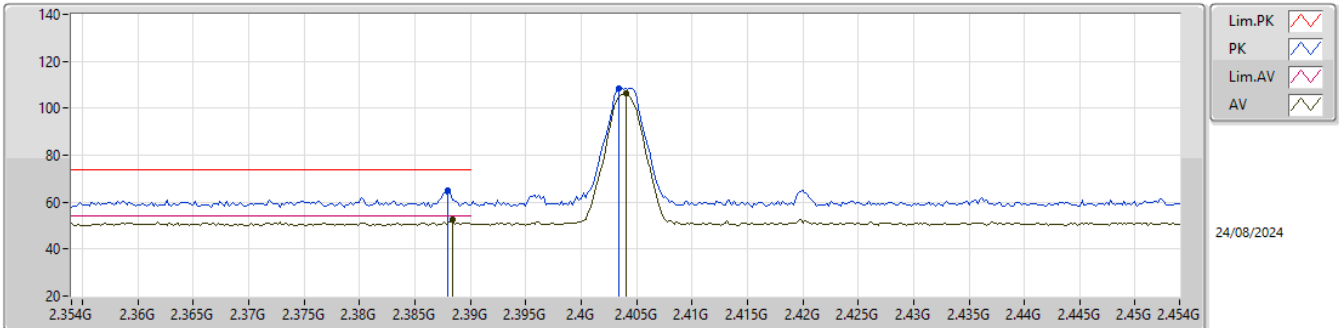


EUT_V_1TX
Setting 12
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.80341G	48.62	74.00	-25.38	42.61	3	Horizontal	98	1.45	-	31.39	6.67	32.05			
AV	4.80314G	38.62	54.00	-15.38	32.61	3	Horizontal	98	1.45	-	31.39	6.67	32.05			

2.4-2.4835GHz_BT-LE(2Mbps)

2404MHz_TX

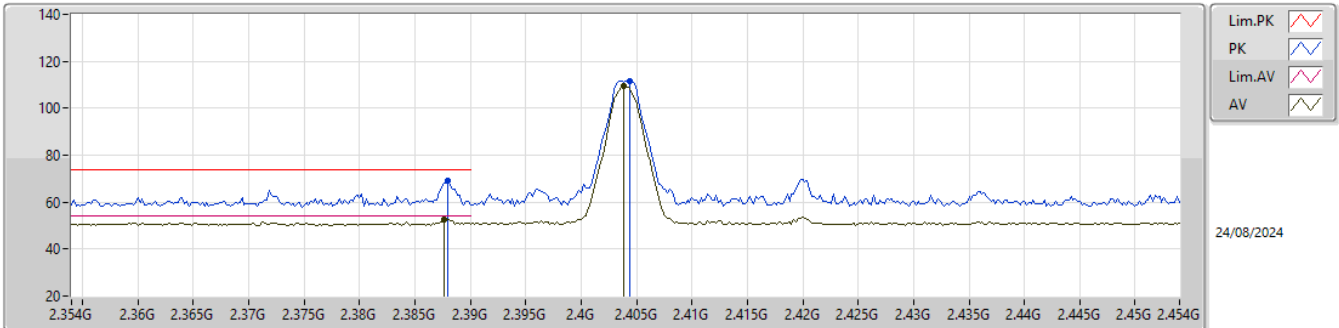


EUT_Y_1TX
Setting 12
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.388G	64.77	74.00	-9.23	32.46	3	Vertical	360	2.72	-	27.60	4.71	-			
AV	2.3884G	52.36	54.00	-1.64	20.05	3	Vertical	360	2.72	-	27.60	4.71	-			
PK	2.4034G	108.31	Inf	-Inf	75.99	3	Vertical	360	2.72	-	27.60	4.72	-			
AV	2.404G	106.20	Inf	-Inf	73.88	3	Vertical	360	2.72	-	27.60	4.72	-			

2.4-2.4835GHz_BT-LE(2Mbps)

2404MHz_TX

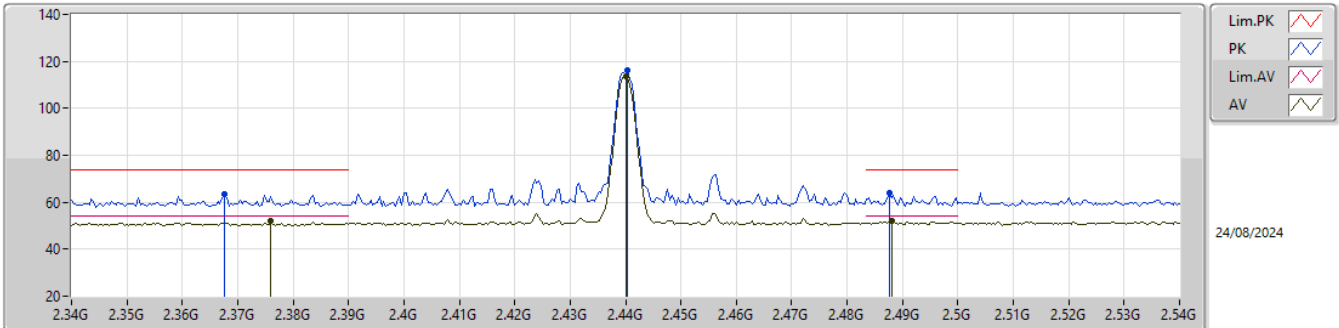


EUT_Y_1TX
Setting 12
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.388G	68.89	74.00	-5.11	36.58	3	Horizontal	347	2.91	-	27.60	4.71	-			
AV	2.3876G	52.76	54.00	-1.24	20.45	3	Horizontal	347	2.91	-	27.60	4.71	-			
PK	2.4044G	111.47	Inf	-Inf	79.15	3	Horizontal	347	2.91	-	27.60	4.72	-			
AV	2.4038G	109.33	Inf	-Inf	77.01	3	Horizontal	347	2.91	-	27.60	4.72	-			

2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_TX

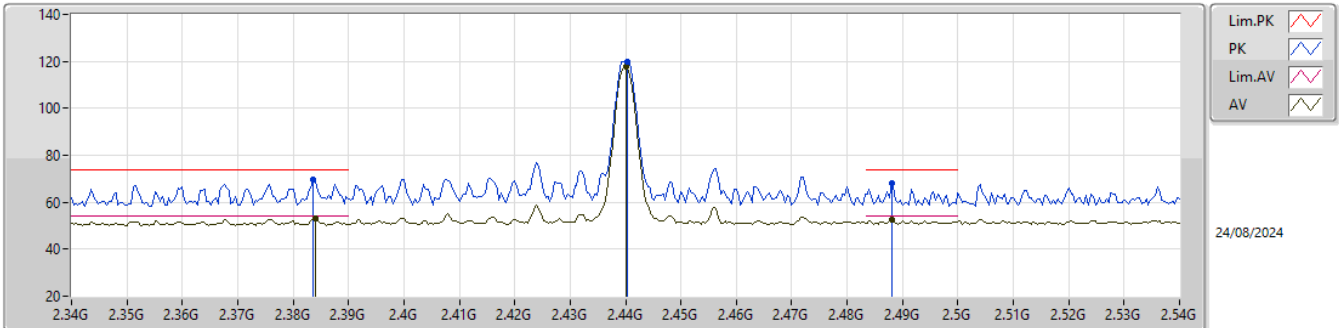


EUT_Y_1TX
Setting 20
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	2.3676G	63.47	74.00	-10.53	31.06	3	Vertical	14	2.93	-	27.72	4.69	-				
AV	2.376G	51.89	54.00	-2.11	19.56	3	Vertical	14	2.93	-	27.64	4.69	-				
PK	2.4404G	115.98	Inf	-Inf	83.82	3	Vertical	14	2.93	-	27.40	4.76	-				
AV	2.44G	113.82	Inf	-Inf	81.66	3	Vertical	14	2.93	-	27.40	4.76	-				
PK	2.4876G	63.99	74.00	-10.01	31.71	3	Vertical	14	2.93	-	27.48	4.80	-				
AV	2.488G	52.10	54.00	-1.90	19.82	3	Vertical	14	2.93	-	27.48	4.80	-				

2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_TX

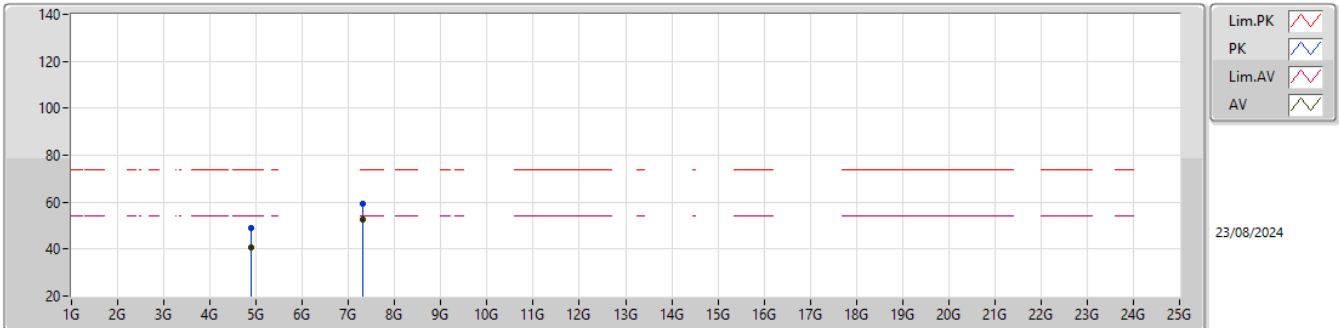


EUT_Y_1TX
Setting 20
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.3836G	69.65	74.00	-4.35	37.35	3	Horizontal	342	2.89	-	27.60	4.70	-			
AV	2.384G	52.93	54.00	-1.07	20.63	3	Horizontal	342	2.89	-	27.60	4.70	-			
PK	2.4404G	119.74	Inf	-Inf	87.58	3	Horizontal	342	2.89	-	27.40	4.76	-			
AV	2.44G	117.59	Inf	-Inf	85.43	3	Horizontal	342	2.89	-	27.40	4.76	-			
PK	2.488G	67.99	74.00	-6.01	35.71	3	Horizontal	342	2.89	-	27.48	4.80	-			
AV	2.488G	52.53	54.00	-1.47	20.25	3	Horizontal	342	2.89	-	27.48	4.80	-			

2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_TX

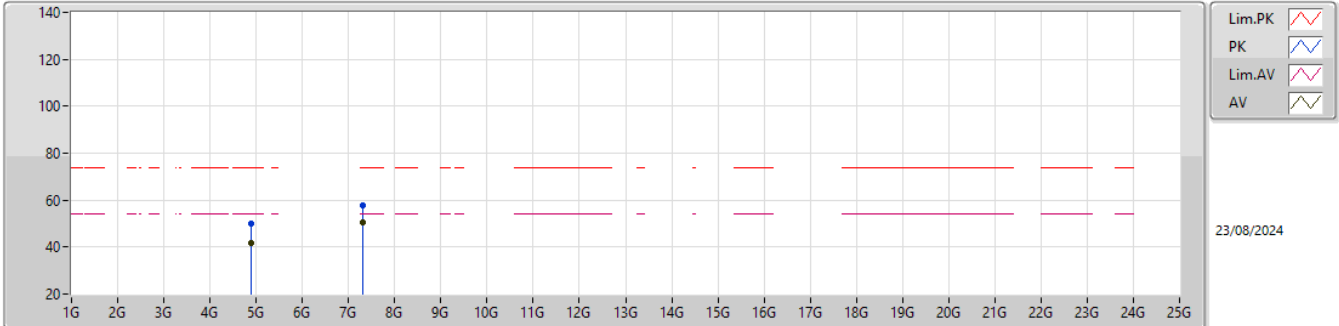


EUT_Y_1TX
Setting 20
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.88002G	48.86	74.00	-25.14	42.83	3	Vertical	43	2.16	-	31.30	6.74	32.01			
AV	4.87994G	40.64	54.00	-13.36	34.61	3	Vertical	43	2.16	-	31.30	6.74	32.01			
PK	7.32144G	59.33	74.00	-14.67	47.58	3	Vertical	4	2.88	-	36.60	8.34	33.19			
AV	7.31862G	52.42	54.00	-1.58	40.67	3	Vertical	4	2.88	-	36.60	8.34	33.19			

2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_TX

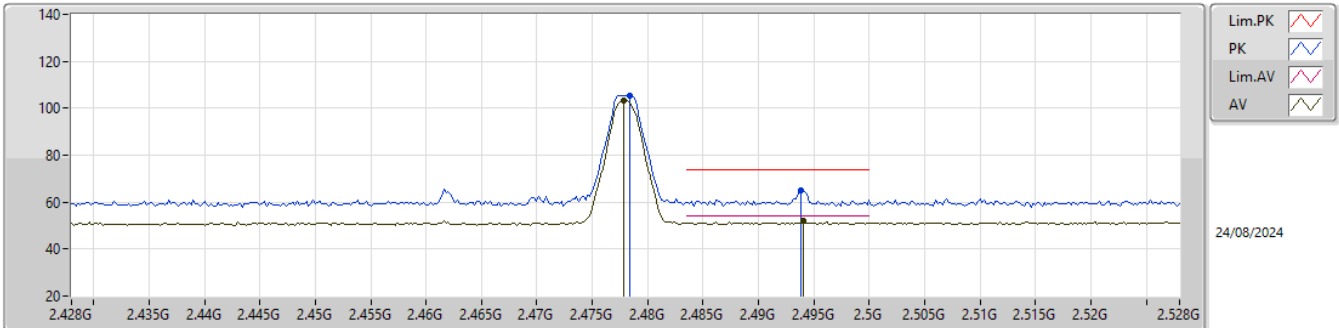


EUT_Y_1TX
Setting 20
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.87892G	49.97	74.00	-24.03	43.94	3	Horizontal	37	2.26	-	31.30	6.74	32.01			
AV	4.87896G	41.58	54.00	-12.42	35.55	3	Horizontal	37	2.26	-	31.30	6.74	32.01			
PK	7.31848G	57.73	74.00	-16.27	45.98	3	Horizontal	336	2.10	-	36.60	8.34	33.19			
AV	7.31988G	50.70	54.00	-3.30	38.95	3	Horizontal	336	2.10	-	36.60	8.34	33.19			

2.4-2.4835GHz_BT-LE(2Mbps)

2478MHz_TX

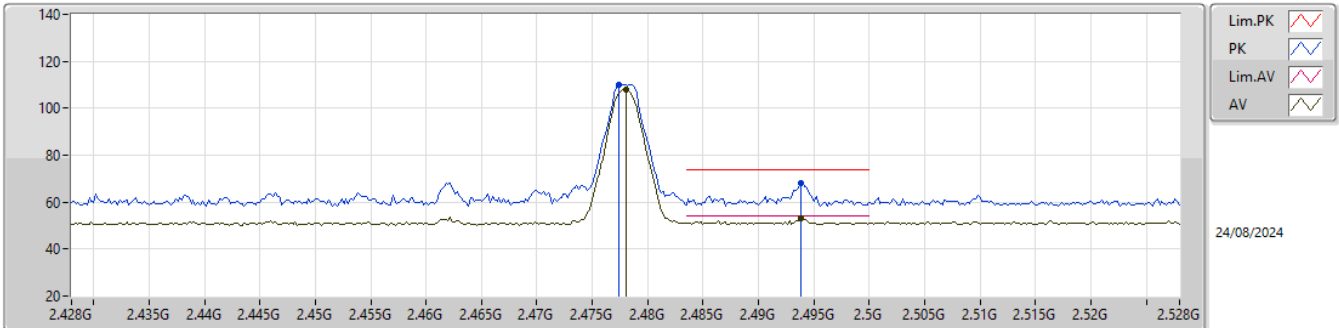


EUT_Y_1TX
Setting 9
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.4784G	105.53	Inf	-Inf	73.36	3	Vertical	360	1.80	-	27.38	4.79	-			
AV	2.4778G	103.37	Inf	-Inf	71.20	3	Vertical	360	1.80	-	27.38	4.79	-			
PK	2.4938G	65.10	74.00	-8.90	32.84	3	Vertical	360	1.80	-	27.46	4.80	-			
AV	2.494G	51.87	54.00	-2.13	19.61	3	Vertical	360	1.80	-	27.46	4.80	-			

2.4-2.4835GHz_BT-LE(2Mbps)

2478MHz_TX

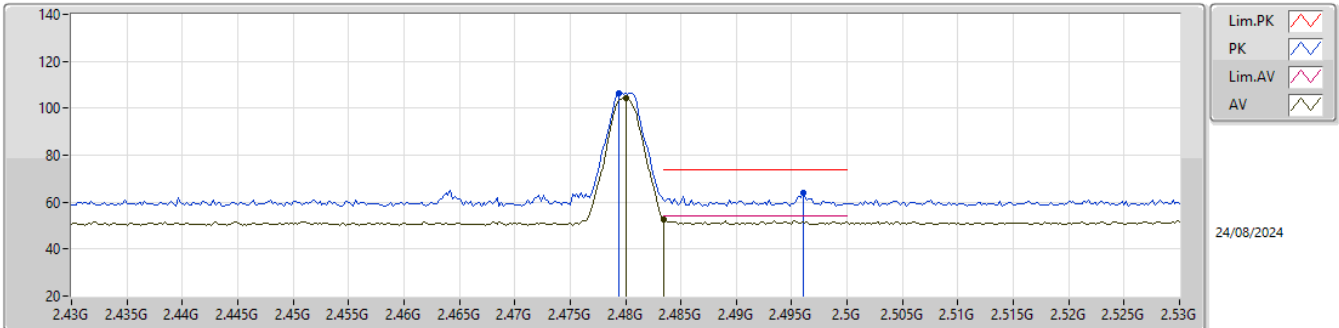


EUT_Y_1TX
Setting 9
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	2.4774G	110.00	Inf	-Inf	77.84	3	Horizontal	342	2.77	-	27.37	4.79	-				
AV	2.478G	107.94	Inf	-Inf	75.77	3	Horizontal	342	2.77	-	27.38	4.79	-				
PK	2.4938G	68.02	74.00	-5.98	35.76	3	Horizontal	342	2.77	-	27.46	4.80	-				
AV	2.4938G	52.94	54.00	-1.06	20.68	3	Horizontal	342	2.77	-	27.46	4.80	-				

2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX

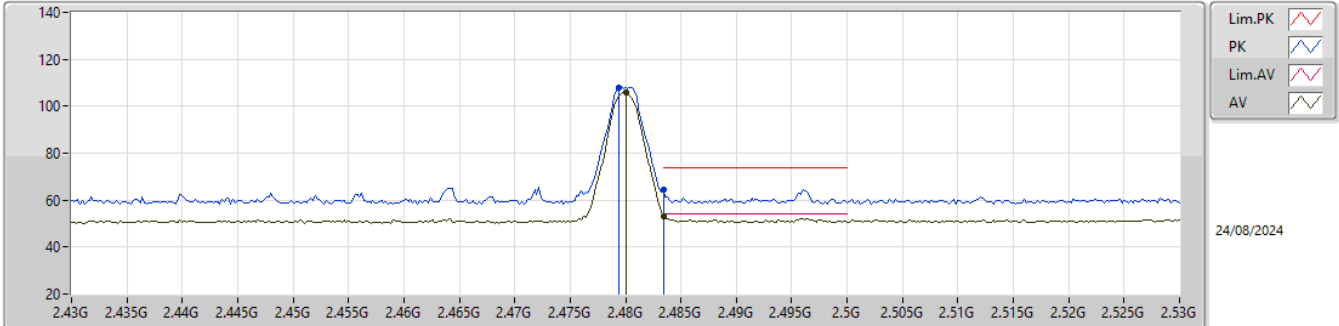


EUT_Y_1TX
Setting 7
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.4794G	106.40	Inf	-Inf	74.22	3	Vertical	354	2.91	-	27.39	4.79	-			
AV	2.48G	104.28	Inf	-Inf	72.09	3	Vertical	354	2.91	-	27.40	4.79	-			
PK	2.496G	64.10	74.00	-9.90	31.85	3	Vertical	354	2.91	-	27.44	4.81	-			
AV	2.4835G	52.69	54.00	-1.31	20.45	3	Vertical	354	2.91	-	27.44	4.80	-			

2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX

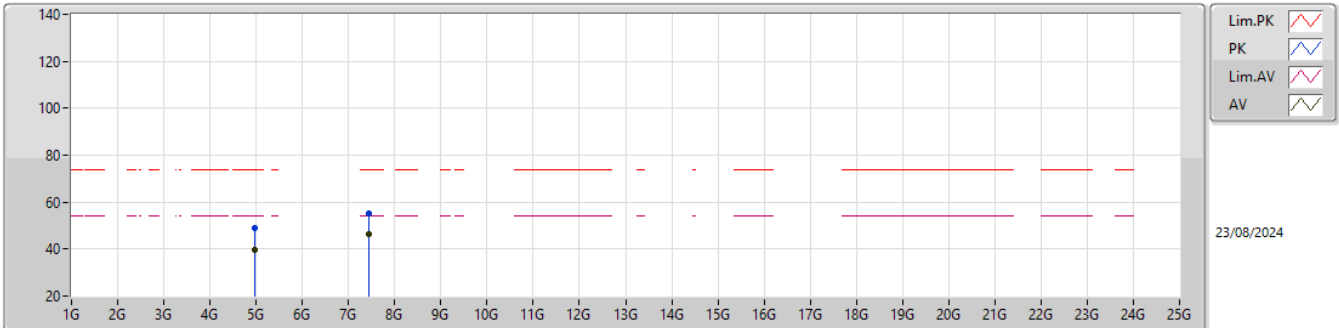


EUT_Y_1TX
Setting 7
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.4794G	107.87	Inf	-Inf	75.69	3	Horizontal	341	2.78	-	27.39	4.79	-			
AV	2.48G	105.76	Inf	-Inf	73.57	3	Horizontal	341	2.78	-	27.40	4.79	-			
PK	2.4835G	64.38	74.00	-9.62	32.14	3	Horizontal	341	2.78	-	27.44	4.80	-			
AV	2.4835G	52.90	54.00	-1.10	20.66	3	Horizontal	341	2.78	-	27.44	4.80	-			

2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX

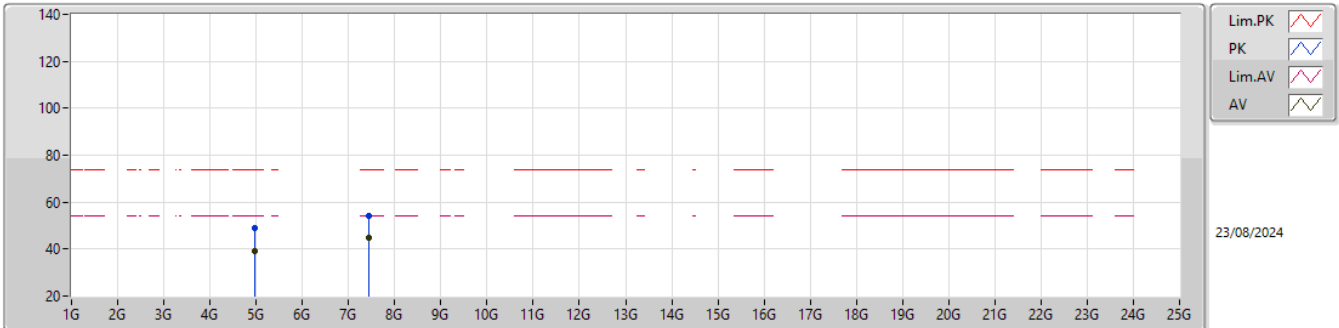


EUT_Y_1TX
Setting 7
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.95914G	49.21	74.00	-24.79	42.84	3	Vertical	39	2.09	-	31.52	6.81	31.96			
AV	4.96004G	39.63	54.00	-14.37	33.26	3	Vertical	39	2.09	-	31.52	6.81	31.96			
PK	7.440002G	55.35	74.00	-18.65	43.83	3	Vertical	3	2.88	-	36.48	8.38	33.34			
AV	7.43998G	46.45	54.00	-7.55	34.93	3	Vertical	3	2.88	-	36.48	8.38	33.34			

2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX



EUT_Y_1TX
Setting 7
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.9609G	48.75	74.00	-25.25	42.38	3	Horizontal	40	2.53	-	31.52	6.81	31.96			
AV	4.96002G	39.14	54.00	-14.86	32.77	3	Horizontal	40	2.53	-	31.52	6.81	31.96			
PK	7.4415G	54.09	74.00	-19.91	42.58	3	Horizontal	315	2.69	-	36.48	8.38	33.35			
AV	7.44082G	44.79	54.00	-9.21	33.27	3	Horizontal	315	2.69	-	36.48	8.38	33.34			



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	AV	7.3193G	52.97	54.00	-1.03	3	Vertical	17	2.16	-
BT-LE(2Mbps)	Pass	AV	2.386G	52.95	54.00	-1.05	3	Horizontal	359	1.00	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	PK	2.386G	63.37	74.00	-10.63	3	Vertical	290	1.11	-
2402MHz	Pass	AV	2.386G	49.98	54.00	-4.02	3	Vertical	290	1.11	-
2402MHz	Pass	PK	2.4018G	108.29	Inf	-Inf	3	Vertical	290	1.11	-
2402MHz	Pass	AV	2.402G	107.40	Inf	-Inf	3	Vertical	290	1.11	-
2402MHz	Pass	PK	2.3858G	72.63	74.00	-1.37	3	Horizontal	360	1.00	-
2402MHz	Pass	AV	2.386G	51.48	54.00	-2.52	3	Horizontal	360	1.00	-
2402MHz	Pass	PK	2.4022G	116.65	Inf	-Inf	3	Horizontal	360	1.00	-
2402MHz	Pass	AV	2.402G	115.79	Inf	-Inf	3	Horizontal	360	1.00	-
2402MHz	Pass	PK	4.80433G	52.90	74.00	-21.10	3	Vertical	360	2.79	-
2402MHz	Pass	AV	4.80375G	45.58	54.00	-8.42	3	Vertical	360	2.79	-
2402MHz	Pass	PK	4.80423G	52.40	74.00	-21.60	3	Horizontal	280	1.23	-
2402MHz	Pass	AV	4.80366G	45.33	54.00	-8.67	3	Horizontal	280	1.23	-
2440MHz	Pass	PK	2.384G	61.34	74.00	-12.66	3	Vertical	291	1.12	-
2440MHz	Pass	AV	2.3408G	49.92	54.00	-4.08	3	Vertical	291	1.12	-
2440MHz	Pass	PK	2.4404G	112.97	Inf	-Inf	3	Vertical	291	1.12	-
2440MHz	Pass	AV	2.44G	112.10	Inf	-Inf	3	Vertical	291	1.12	-
2440MHz	Pass	PK	2.488G	65.54	74.00	-8.46	3	Vertical	291	1.12	-
2440MHz	Pass	AV	2.4924G	50.12	54.00	-3.88	3	Vertical	291	1.12	-
2440MHz	Pass	PK	2.384G	67.54	74.00	-6.46	3	Horizontal	2	1.00	-
2440MHz	Pass	AV	2.376G	50.97	54.00	-3.03	3	Horizontal	2	1.00	-
2440MHz	Pass	PK	2.4404G	118.99	Inf	-Inf	3	Horizontal	2	1.00	-
2440MHz	Pass	AV	2.44G	118.07	Inf	-Inf	3	Horizontal	2	1.00	-
2440MHz	Pass	PK	2.488G	69.73	74.00	-4.27	3	Horizontal	2	1.00	-
2440MHz	Pass	AV	2.49G	50.41	54.00	-3.59	3	Horizontal	2	1.00	-
2440MHz	Pass	PK	4.8795G	54.44	74.00	-19.56	3	Vertical	0	2.34	-
2440MHz	Pass	AV	4.87999G	47.99	54.00	-6.01	3	Vertical	0	2.34	-
2440MHz	Pass	PK	7.31919G	60.61	74.00	-13.39	3	Vertical	17	2.16	-
2440MHz	Pass	AV	7.3193G	52.97	54.00	-1.03	3	Vertical	17	2.16	-
2440MHz	Pass	PK	4.87973G	53.83	74.00	-20.17	3	Horizontal	274	1.25	-
2440MHz	Pass	AV	4.87972G	47.14	54.00	-6.86	3	Horizontal	274	1.25	-
2440MHz	Pass	PK	7.31929G	60.48	74.00	-13.52	3	Horizontal	353	1.80	-
2440MHz	Pass	AV	7.31933G	52.69	54.00	-1.31	3	Horizontal	353	1.80	-
2478MHz	Pass	PK	2.4778G	111.82	Inf	-Inf	3	Vertical	305	1.38	-
2478MHz	Pass	AV	2.478G	110.94	Inf	-Inf	3	Vertical	305	1.38	-
2478MHz	Pass	PK	2.4942G	67.24	74.00	-6.76	3	Vertical	305	1.38	-
2478MHz	Pass	AV	2.4938G	50.90	54.00	-3.10	3	Vertical	305	1.38	-
2478MHz	Pass	PK	2.4782G	115.90	Inf	-Inf	3	Horizontal	0	2.83	-
2478MHz	Pass	AV	2.478G	115.01	Inf	-Inf	3	Horizontal	0	2.83	-
2478MHz	Pass	PK	2.494G	72.70	74.00	-1.30	3	Horizontal	0	2.83	-
2478MHz	Pass	AV	2.4938G	52.53	54.00	-1.47	3	Horizontal	0	2.83	-
2480MHz	Pass	PK	2.4798G	108.91	Inf	-Inf	3	Vertical	305	1.36	-
2480MHz	Pass	AV	2.48G	108.03	Inf	-Inf	3	Vertical	305	1.36	-
2480MHz	Pass	PK	2.496G	66.38	74.00	-7.62	3	Vertical	305	1.36	-
2480MHz	Pass	AV	2.484G	51.11	54.00	-2.89	3	Vertical	305	1.36	-
2480MHz	Pass	PK	2.4802G	113.72	Inf	-Inf	3	Horizontal	3	2.68	-
2480MHz	Pass	AV	2.48G	112.79	Inf	-Inf	3	Horizontal	3	2.68	-
2480MHz	Pass	PK	2.496G	71.69	74.00	-2.31	3	Horizontal	3	2.68	-
2480MHz	Pass	AV	2.4835G	52.90	54.00	-1.10	3	Horizontal	3	2.68	-
2480MHz	Pass	PK	4.95966G	49.95	74.00	-24.05	3	Vertical	359	2.31	-
2480MHz	Pass	AV	4.95943G	41.30	54.00	-12.70	3	Vertical	359	2.31	-
2480MHz	Pass	PK	7.43914G	57.85	74.00	-16.15	3	Vertical	72	2.43	-
2480MHz	Pass	AV	7.43929G	48.84	54.00	-5.16	3	Vertical	72	2.43	-
2480MHz	Pass	PK	4.9594G	50.40	74.00	-23.60	3	Horizontal	272	1.21	-
2480MHz	Pass	AV	4.95967G	41.59	54.00	-12.41	3	Horizontal	272	1.21	-
2480MHz	Pass	PK	7.43917G	58.81	74.00	-15.19	3	Horizontal	353	1.79	-
2480MHz	Pass	AV	7.43924G	49.98	54.00	-4.02	3	Horizontal	353	1.79	-
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	PK	2.3858G	64.09	74.00	-9.91	3	Vertical	305	1.11	-
2402MHz	Pass	AV	2.3858G	51.48	54.00	-2.52	3	Vertical	305	1.11	-
2402MHz	Pass	PK	2.4024G	109.59	Inf	-Inf	3	Vertical	305	1.11	-



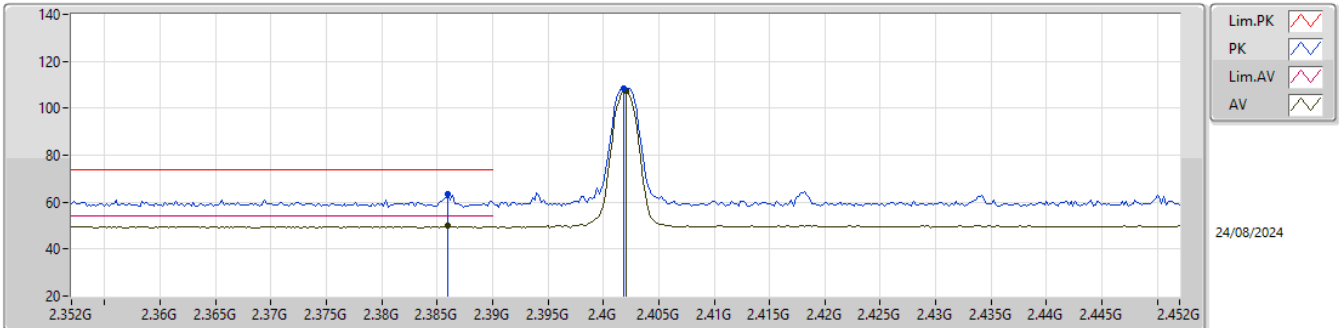
RSE TX above 1GHz_Ant. 10

Appendix F.3

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2402MHz	Pass	AV	2.402G	107.38	Inf	-Inf	3	Vertical	305	1.11	-
2402MHz	Pass	PK	2.3858G	67.70	74.00	-6.30	3	Horizontal	359	1.00	-
2402MHz	Pass	AV	2.386G	52.95	54.00	-1.05	3	Horizontal	359	1.00	-
2402MHz	Pass	PK	2.4024G	112.98	Inf	-Inf	3	Horizontal	359	1.00	-
2402MHz	Pass	AV	2.402G	110.76	Inf	-Inf	3	Horizontal	359	1.00	-
2402MHz	Pass	PK	4.80485G	51.29	74.00	-22.71	3	Vertical	358	2.78	-
2402MHz	Pass	AV	4.80397G	44.01	54.00	-9.99	3	Vertical	358	2.78	-
2402MHz	Pass	PK	4.80504G	50.71	74.00	-23.29	3	Horizontal	276	1.17	-
2402MHz	Pass	AV	4.80397G	43.00	54.00	-11.00	3	Horizontal	276	1.17	-
2440MHz	Pass	PK	2.3836G	64.38	74.00	-9.62	3	Vertical	304	1.10	-
2440MHz	Pass	AV	2.3876G	51.49	54.00	-2.51	3	Vertical	304	1.10	-
2440MHz	Pass	PK	2.4404G	112.73	Inf	-Inf	3	Vertical	304	1.10	-
2440MHz	Pass	AV	2.44G	110.61	Inf	-Inf	3	Vertical	304	1.10	-
2440MHz	Pass	PK	2.488G	66.69	74.00	-7.31	3	Vertical	304	1.10	-
2440MHz	Pass	AV	2.4876G	52.10	54.00	-1.90	3	Vertical	304	1.10	-
2440MHz	Pass	PK	2.384G	63.35	74.00	-10.65	3	Horizontal	4	1.00	-
2440MHz	Pass	AV	2.36G	51.26	54.00	-2.74	3	Horizontal	4	1.00	-
2440MHz	Pass	PK	2.4404G	116.42	Inf	-Inf	3	Horizontal	4	1.00	-
2440MHz	Pass	AV	2.44G	113.96	Inf	-Inf	3	Horizontal	4	1.00	-
2440MHz	Pass	PK	2.488G	67.01	74.00	-6.99	3	Horizontal	4	1.00	-
2440MHz	Pass	AV	2.488G	52.60	54.00	-1.40	3	Horizontal	4	1.00	-
2440MHz	Pass	PK	4.88014G	54.38	74.00	-19.62	3	Vertical	359	2.33	-
2440MHz	Pass	AV	4.87988G	48.82	54.00	-5.18	3	Vertical	359	2.33	-
2440MHz	Pass	PK	7.32004G	58.55	74.00	-15.45	3	Vertical	14	2.15	-
2440MHz	Pass	AV	7.32006G	51.39	54.00	-2.61	3	Vertical	14	2.15	-
2440MHz	Pass	PK	4.88112G	53.57	74.00	-20.43	3	Horizontal	275	1.15	-
2440MHz	Pass	AV	4.88004G	47.90	54.00	-6.10	3	Horizontal	275	1.15	-
2440MHz	Pass	PK	7.32138G	58.21	74.00	-15.79	3	Horizontal	351	1.80	-
2440MHz	Pass	AV	7.3201G	50.80	54.00	-3.20	3	Horizontal	351	1.80	-
2478MHz	Pass	PK	2.4776G	106.04	Inf	-Inf	3	Vertical	307	1.38	-
2478MHz	Pass	AV	2.478G	103.96	Inf	-Inf	3	Vertical	307	1.38	-
2478MHz	Pass	PK	2.4938G	63.99	74.00	-10.01	3	Vertical	307	1.38	-
2478MHz	Pass	AV	2.491G	52.12	54.00	-1.88	3	Vertical	307	1.38	-
2478MHz	Pass	PK	2.4784G	109.84	Inf	-Inf	3	Horizontal	11	2.94	-
2478MHz	Pass	AV	2.4778G	107.75	Inf	-Inf	3	Horizontal	11	2.94	-
2478MHz	Pass	PK	2.4938G	69.02	74.00	-4.98	3	Horizontal	11	2.94	-
2478MHz	Pass	AV	2.4944G	52.74	54.00	-1.26	3	Horizontal	11	2.94	-
2480MHz	Pass	PK	2.4796G	102.55	Inf	-Inf	3	Vertical	305	1.36	-
2480MHz	Pass	AV	2.48G	100.42	Inf	-Inf	3	Vertical	305	1.36	-
2480MHz	Pass	PK	2.4962G	62.58	74.00	-11.42	3	Vertical	305	1.36	-
2480MHz	Pass	AV	2.49G	51.67	54.00	-2.33	3	Vertical	305	1.36	-
2480MHz	Pass	PK	2.4806G	107.40	Inf	-Inf	3	Horizontal	2	2.67	-
2480MHz	Pass	AV	2.48G	105.23	Inf	-Inf	3	Horizontal	2	2.67	-
2480MHz	Pass	PK	2.496G	66.59	74.00	-7.41	3	Horizontal	2	2.67	-
2480MHz	Pass	AV	2.4835G	52.90	54.00	-1.10	3	Horizontal	2	2.67	-
2480MHz	Pass	PK	4.96246G	48.51	74.00	-25.49	3	Vertical	198	2.69	-
2480MHz	Pass	AV	4.96019G	37.92	54.00	-16.08	3	Vertical	198	2.69	-
2480MHz	Pass	PK	7.43848G	53.89	74.00	-20.11	3	Vertical	15	2.14	-
2480MHz	Pass	AV	7.43848G	44.89	54.00	-9.11	3	Vertical	15	2.14	-
2480MHz	Pass	PK	4.96094G	48.33	74.00	-25.67	3	Horizontal	16	2.82	-
2480MHz	Pass	AV	4.95889G	37.92	54.00	-16.08	3	Horizontal	16	2.82	-
2480MHz	Pass	PK	7.4404G	54.06	74.00	-19.94	3	Horizontal	126	1.80	-
2480MHz	Pass	AV	7.43856G	44.45	54.00	-9.55	3	Horizontal	126	1.80	-

2.4-2.4835GHz_BT-LE(1Mbps)

2402MHz_TX

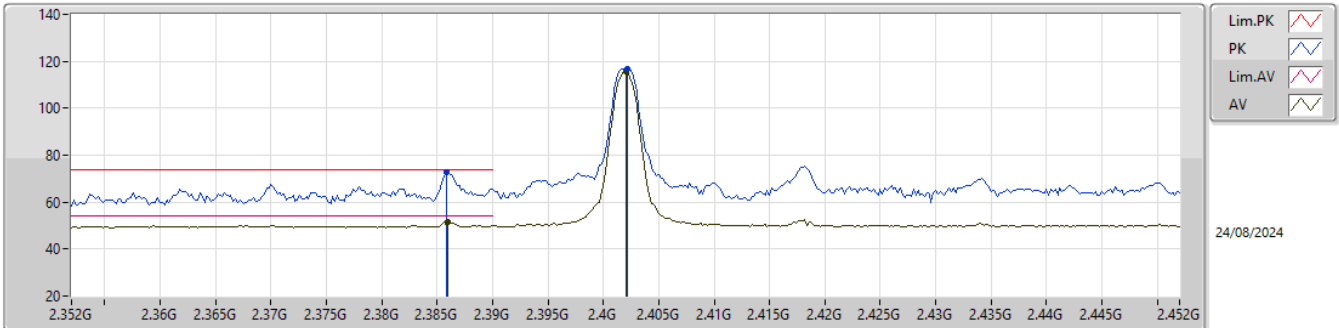


EUT_Y_1TX
Setting 18
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.386G	63.37	74.00	-10.63	31.06	3	Vertical	290	1.11	-	27.60	4.71	-			
AV	2.386G	49.98	54.00	-4.02	17.67	3	Vertical	290	1.11	-	27.60	4.71	-			
PK	2.4018G	108.29	Inf	-Inf	75.97	3	Vertical	290	1.11	-	27.60	4.72	-			
AV	2.402G	107.40	Inf	-Inf	75.08	3	Vertical	290	1.11	-	27.60	4.72	-			

2.4-2.4835GHz_BT-LE(1Mbps)

2402MHz_TX

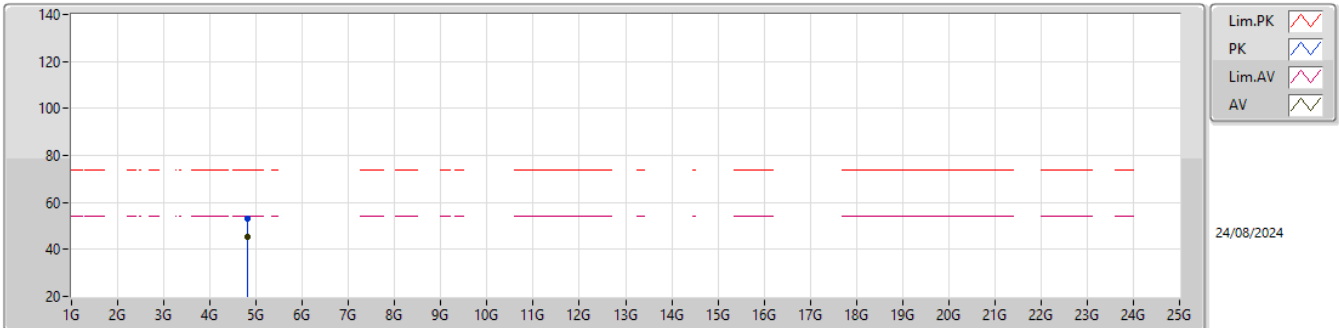


EUT_Y_1TX
Setting 18
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	2.3858G	72.63	74.00	-1.37	40.32	3	Horizontal	360	1.00	-	27.60	4.71	-				
AV	2.386G	51.48	54.00	-2.52	19.17	3	Horizontal	360	1.00	-	27.60	4.71	-				
PK	2.4022G	116.65	Inf	-Inf	84.33	3	Horizontal	360	1.00	-	27.60	4.72	-				
AV	2.402G	115.79	Inf	-Inf	83.47	3	Horizontal	360	1.00	-	27.60	4.72	-				

2.4-2.4835GHz_BT-LE(1Mbps)

2402MHz_TX

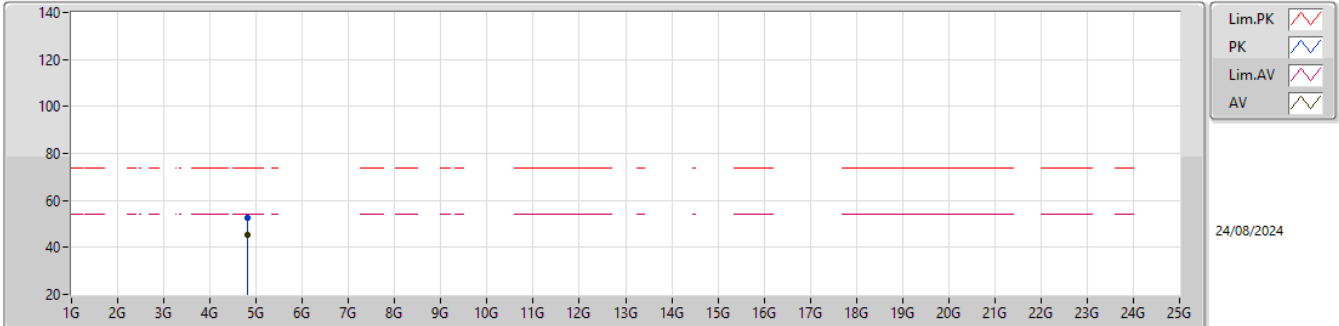


EUT_Y_1TX
Setting 18
06-P-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA			
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)			
PK	4.80433G	52.90	74.00	-21.10	46.89	3	Vertical	360	2.79	-	31.39	6.67	32.05			
AV	4.80375G	45.58	54.00	-8.42	39.57	3	Vertical	360	2.79	-	31.39	6.67	32.05			

2.4-2.4835GHz_BT-LE(1Mbps)

2402MHz_TX

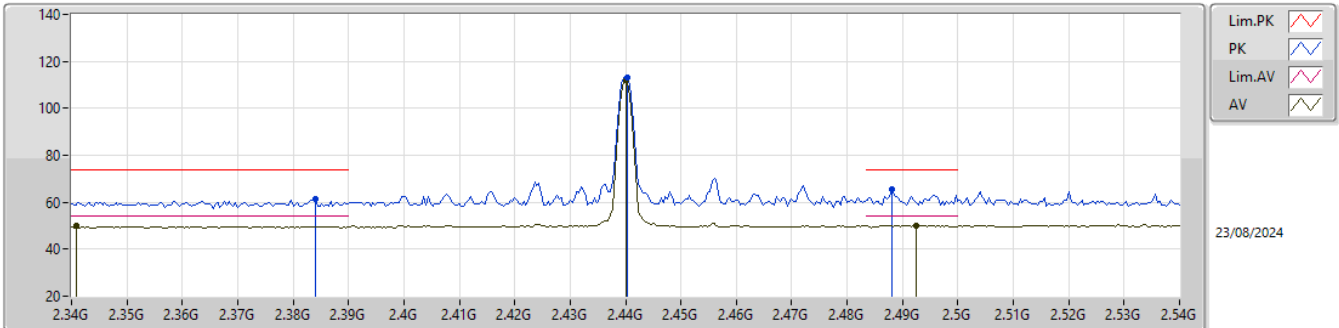


EUT_Y_1TX
Setting 18
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.80423G	52.40	74.00	-21.60	46.39	3	Horizontal	280	1.23	-	31.39	6.67	32.05			
AV	4.80366G	45.33	54.00	-8.67	39.32	3	Horizontal	280	1.23	-	31.39	6.67	32.05			

2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_TX

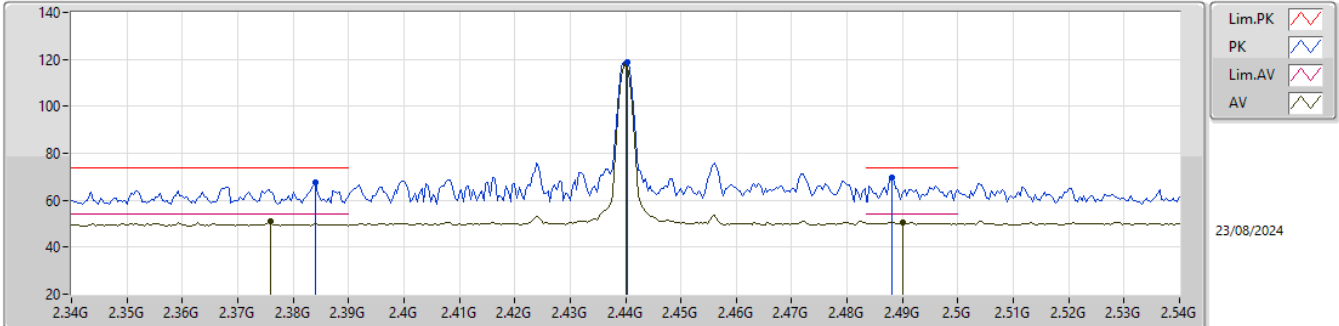


EUT_Y_1TX
Setting 19
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.384G	61.34	74.00	-12.66	29.04	3	Vertical	291	1.12	-	27.60	4.70	-			
AV	2.3408G	49.92	54.00	-4.08	17.46	3	Vertical	291	1.12	-	27.80	4.66	-			
PK	2.4404G	112.97	Inf	-Inf	80.81	3	Vertical	291	1.12	-	27.40	4.76	-			
AV	2.44G	112.10	Inf	-Inf	79.94	3	Vertical	291	1.12	-	27.40	4.76	-			
PK	2.488G	65.54	74.00	-8.46	33.26	3	Vertical	291	1.12	-	27.48	4.80	-			
AV	2.4924G	50.12	54.00	-3.88	17.84	3	Vertical	291	1.12	-	27.48	4.80	-			

2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_TX

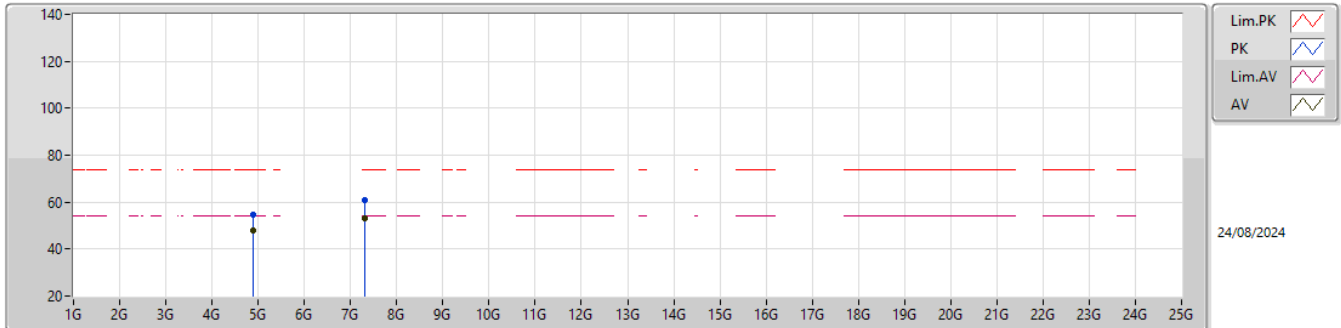


EUT_Y_1TX
Setting 19
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.384G	67.54	74.00	-6.46	35.24	3	Horizontal	2	1.00	-	27.60	4.70	-			
AV	2.376G	50.97	54.00	-3.03	18.64	3	Horizontal	2	1.00	-	27.64	4.69	-			
PK	2.4404G	118.99	Inf	-Inf	86.83	3	Horizontal	2	1.00	-	27.40	4.76	-			
AV	2.44G	118.07	Inf	-Inf	85.91	3	Horizontal	2	1.00	-	27.40	4.76	-			
PK	2.488G	69.73	74.00	-4.27	37.45	3	Horizontal	2	1.00	-	27.48	4.80	-			
AV	2.49G	50.41	54.00	-3.59	18.11	3	Horizontal	2	1.00	-	27.50	4.80	-			

2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_TX

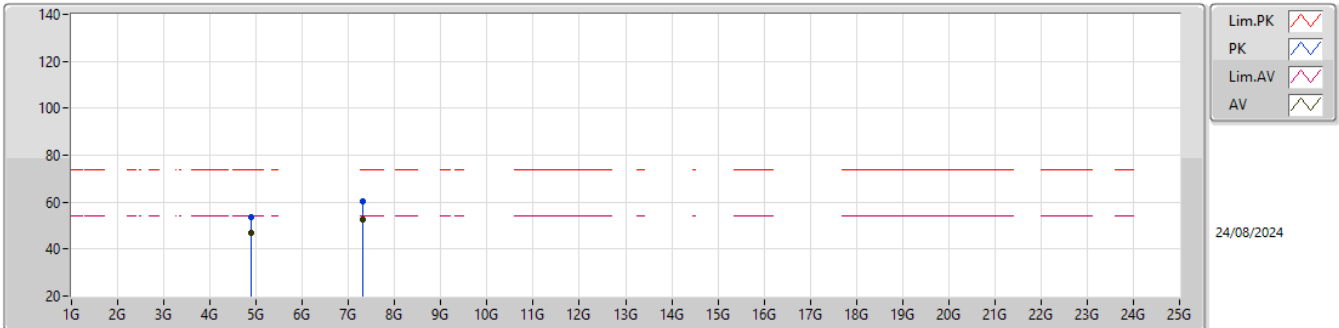


EUT_Y_1TX
Setting 19
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.8795G	54.44	74.00	-19.56	48.41	3	Vertical	0	2.34	-	31.30	6.74	32.01			
AV	4.87999G	47.99	54.00	-6.01	41.96	3	Vertical	0	2.34	-	31.30	6.74	32.01			
PK	7.31919G	60.61	74.00	-13.39	48.86	3	Vertical	17	2.16	-	36.60	8.34	33.19			
AV	7.3193G	52.97	54.00	-1.03	41.22	3	Vertical	17	2.16	-	36.60	8.34	33.19			

2.4-2.4835GHz_BT-LE(1Mbps)

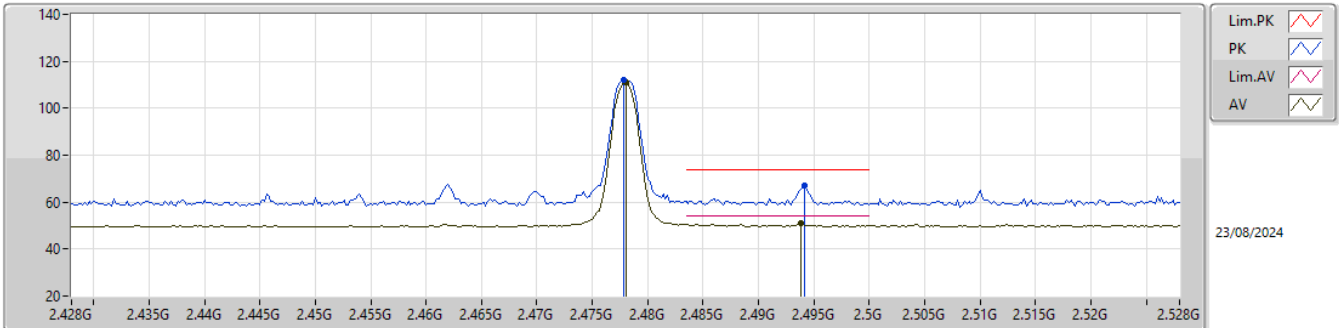
2440MHz_TX


EUT_Y_1TX
Setting 19
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.87973G	53.83	74.00	-20.17	47.80	3	Horizontal	274	1.25	-	31.30	6.74	32.01			
AV	4.87972G	47.14	54.00	-6.86	41.11	3	Horizontal	274	1.25	-	31.30	6.74	32.01			
PK	7.31929G	60.48	74.00	-13.52	48.73	3	Horizontal	353	1.80	-	36.60	8.34	33.19			
AV	7.31933G	52.69	54.00	-1.31	40.94	3	Horizontal	353	1.80	-	36.60	8.34	33.19			

2.4-2.4835GHz_BT-LE(1Mbps)

2478MHz_TX

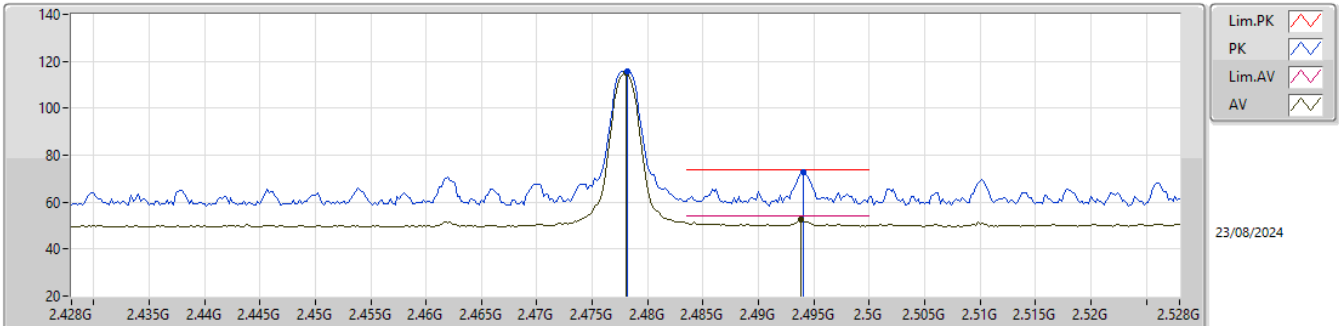


EUT_Y_1TX
Setting 16
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.4778G	111.82	Inf	-Inf	79.65	3	Vertical	305	1.38	-	27.38	4.79	-			
AV	2.478G	110.94	Inf	-Inf	78.77	3	Vertical	305	1.38	-	27.38	4.79	-			
PK	2.4942G	67.24	74.00	-6.76	34.98	3	Vertical	305	1.38	-	27.46	4.80	-			
AV	2.4938G	50.90	54.00	-3.10	18.64	3	Vertical	305	1.38	-	27.46	4.80	-			

2.4-2.4835GHz_BT-LE(1Mbps)

2478MHz_TX

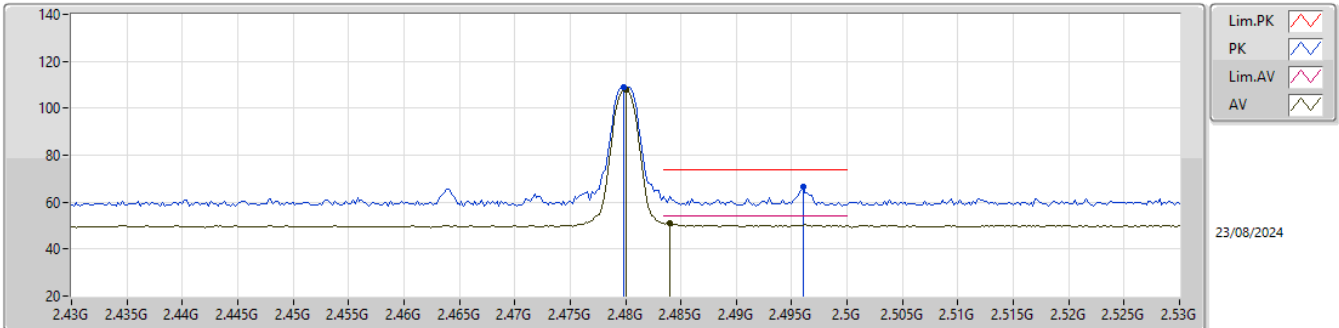


EUT_Y_1TX
Setting 16
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	2.4782G	115.90	Inf	-Inf	83.73	3	Horizontal	0	2.83	-	27.38	4.79	-				
AV	2.478G	115.01	Inf	-Inf	82.84	3	Horizontal	0	2.83	-	27.38	4.79	-				
PK	2.494G	72.70	74.00	-1.30	40.44	3	Horizontal	0	2.83	-	27.46	4.80	-				
AV	2.4938G	52.53	54.00	-1.47	20.27	3	Horizontal	0	2.83	-	27.46	4.80	-				

2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX

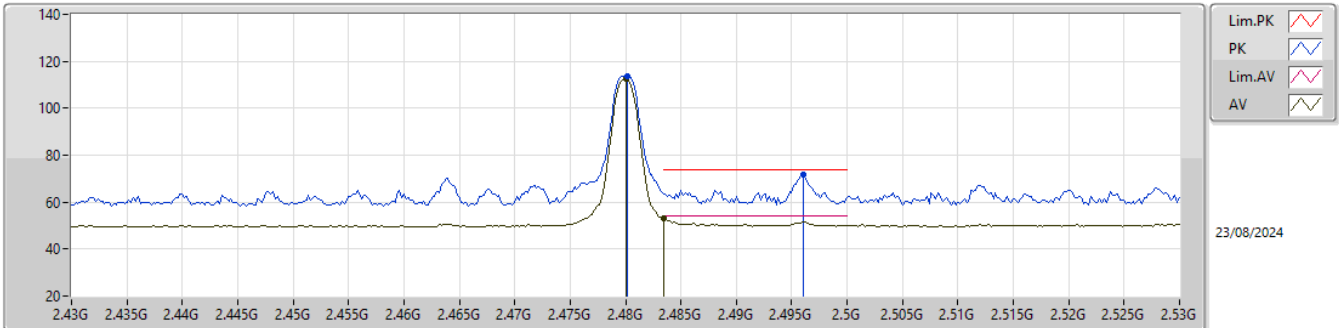


EUT_Y_1TX
Setting 13
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.4798G	108.91	Inf	-Inf	76.72	3	Vertical	305	1.36	-	27.40	4.79	-			
AV	2.48G	108.03	Inf	-Inf	75.84	3	Vertical	305	1.36	-	27.40	4.79	-			
PK	2.496G	66.38	74.00	-7.62	34.13	3	Vertical	305	1.36	-	27.44	4.81	-			
AV	2.484G	51.11	54.00	-2.89	18.87	3	Vertical	305	1.36	-	27.44	4.80	-			

2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX

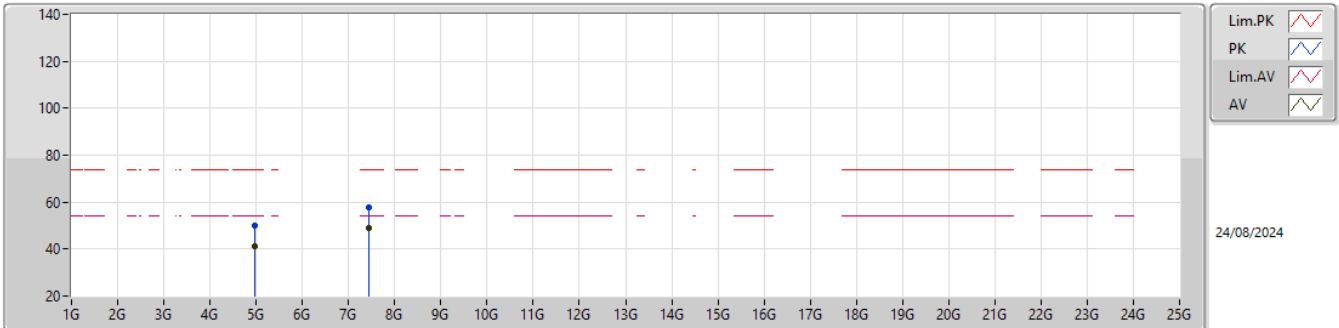


EUT_Y_1TX
Setting 13
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	2.4802G	113.72	Inf	-Inf	81.53	3	Horizontal	3	2.68	-	27.40	4.79	-				
AV	2.48G	112.79	Inf	-Inf	80.60	3	Horizontal	3	2.68	-	27.40	4.79	-				
PK	2.496G	71.69	74.00	-2.31	39.44	3	Horizontal	3	2.68	-	27.44	4.81	-				
AV	2.4835G	52.90	54.00	-1.10	20.66	3	Horizontal	3	2.68	-	27.44	4.80	-				

2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX

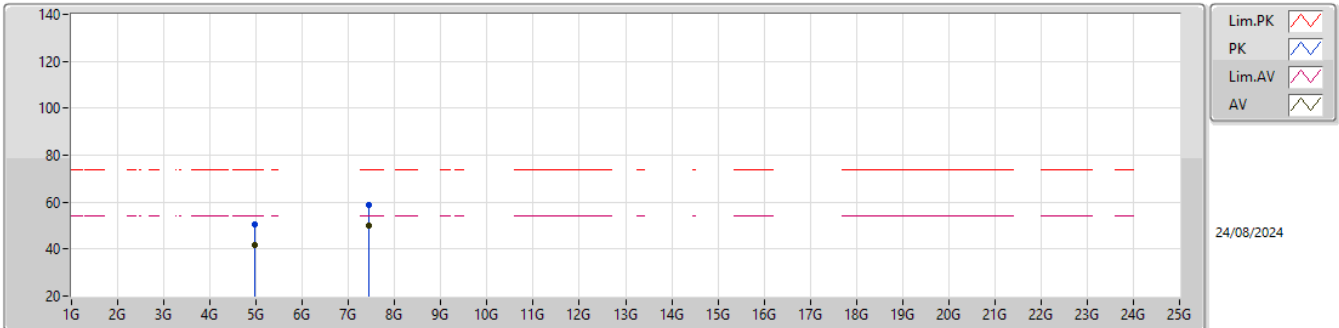


EUT_Y_1TX
Setting 13
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.95966G	49.95	74.00	-24.05	43.58	3	Vertical	359	2.31	-	31.52	6.81	31.96			
AV	4.95943G	41.30	54.00	-12.70	34.93	3	Vertical	359	2.31	-	31.52	6.81	31.96			
PK	7.43914G	57.85	74.00	-16.15	46.33	3	Vertical	72	2.43	-	36.48	8.38	33.34			
AV	7.43929G	48.84	54.00	-5.16	37.32	3	Vertical	72	2.43	-	36.48	8.38	33.34			

2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX

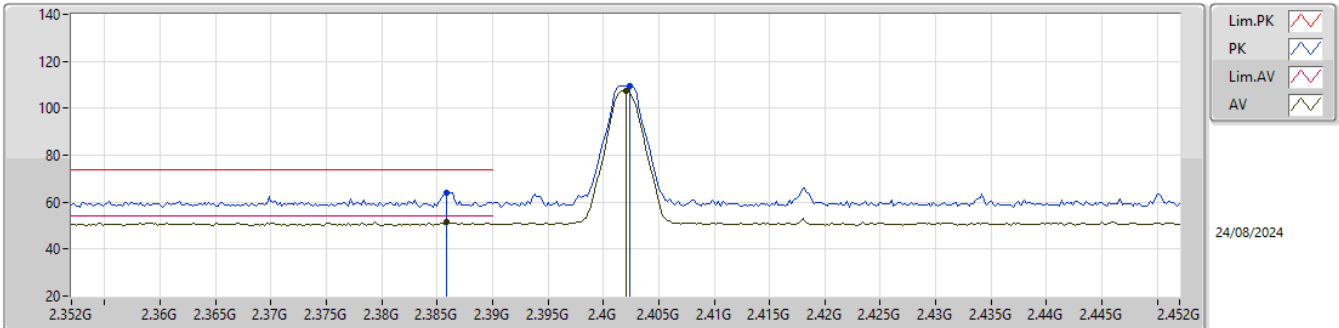


EUT_Y_1TX
Setting 13
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.9594G	50.40	74.00	-23.60	44.03	3	Horizontal	272	1.21	-	31.52	6.81	31.96			
AV	4.95967G	41.59	54.00	-12.41	35.22	3	Horizontal	272	1.21	-	31.52	6.81	31.96			
PK	7.43917G	58.81	74.00	-15.19	47.29	3	Horizontal	353	1.79	-	36.48	8.38	33.34			
AV	7.43924G	49.98	54.00	-4.02	38.46	3	Horizontal	353	1.79	-	36.48	8.38	33.34			

2.4-2.4835GHz_BT-LE(2Mbps)

2402MHz_TX

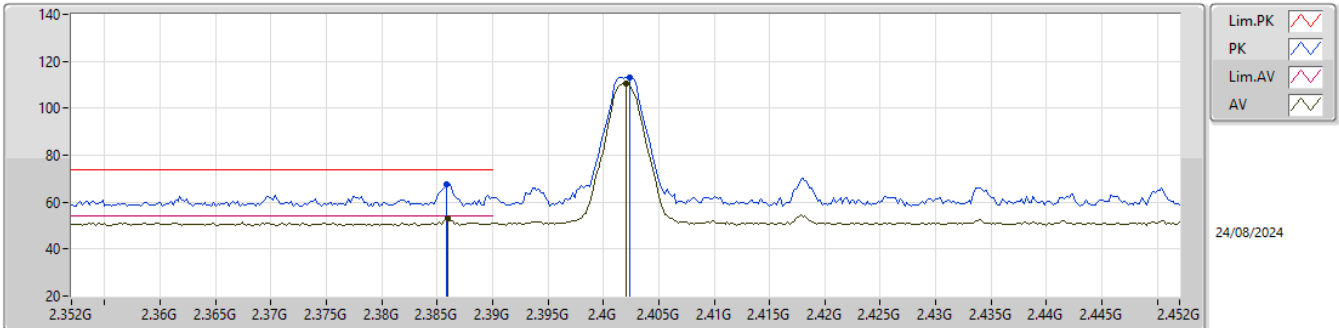


EUT_Y_1TX
Setting 15
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.3858G	64.09	74.00	-9.91	31.78	3	Vertical	305	1.11	-	27.60	4.71	-			
AV	2.3858G	51.48	54.00	-2.52	19.17	3	Vertical	305	1.11	-	27.60	4.71	-			
PK	2.4024G	109.59	Inf	-Inf	77.27	3	Vertical	305	1.11	-	27.60	4.72	-			
AV	2.402G	107.38	Inf	-Inf	75.06	3	Vertical	305	1.11	-	27.60	4.72	-			

2.4-2.4835GHz_BT-LE(2Mbps)

2402MHz_TX

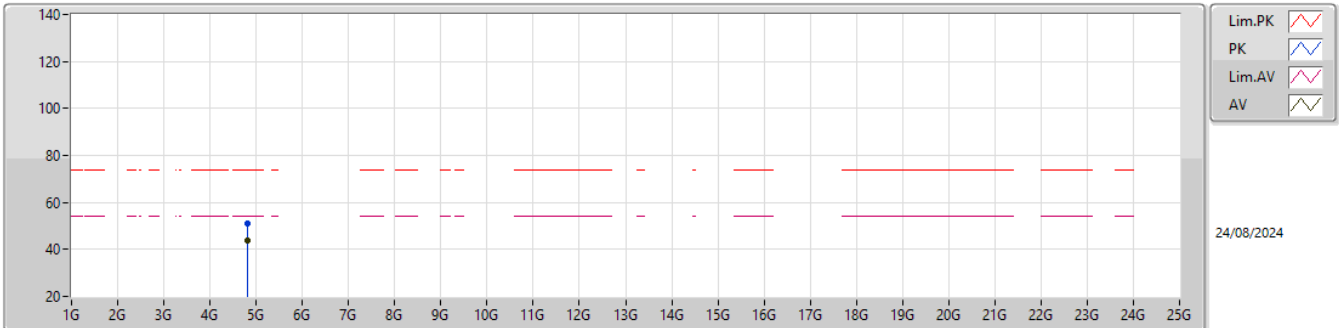


EUT_Y_1TX
Setting 15
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.3858G	67.70	74.00	-6.30	35.39	3	Horizontal	359	1.00	-	27.60	4.71	-			
AV	2.386G	52.95	54.00	-1.05	20.64	3	Horizontal	359	1.00	-	27.60	4.71	-			
PK	2.4024G	112.98	Inf	-Inf	80.66	3	Horizontal	359	1.00	-	27.60	4.72	-			
AV	2.402G	110.76	Inf	-Inf	78.44	3	Horizontal	359	1.00	-	27.60	4.72	-			

2.4-2.4835GHz_BT-LE(2Mbps)

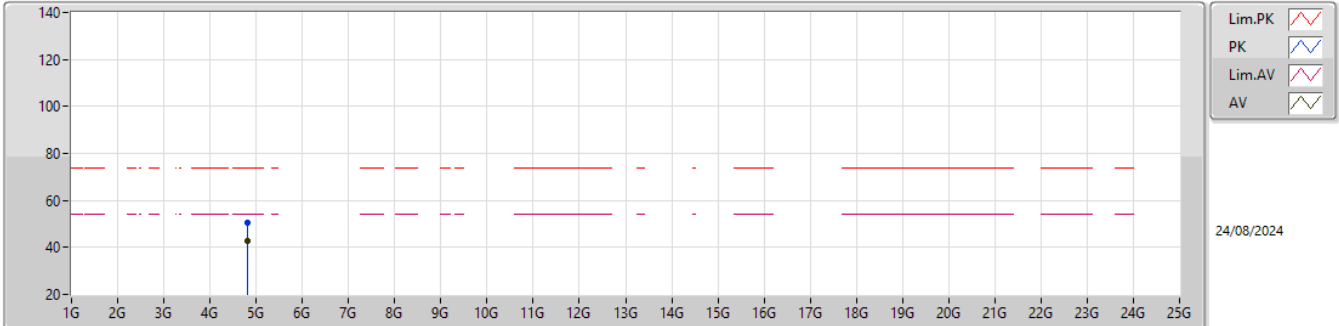
2402MHz_TX


EUT_Y_1TX
Setting 15
06-P-G-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA			
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)			
PK	4.80485G	51.29	74.00	-22.71	45.28	3	Vertical	358	2.78	-	31.39	6.67	32.05			
AV	4.80397G	44.01	54.00	-9.99	38.00	3	Vertical	358	2.78	-	31.39	6.67	32.05			

2.4-2.4835GHz_BT-LE(2Mbps)

2402MHz_TX

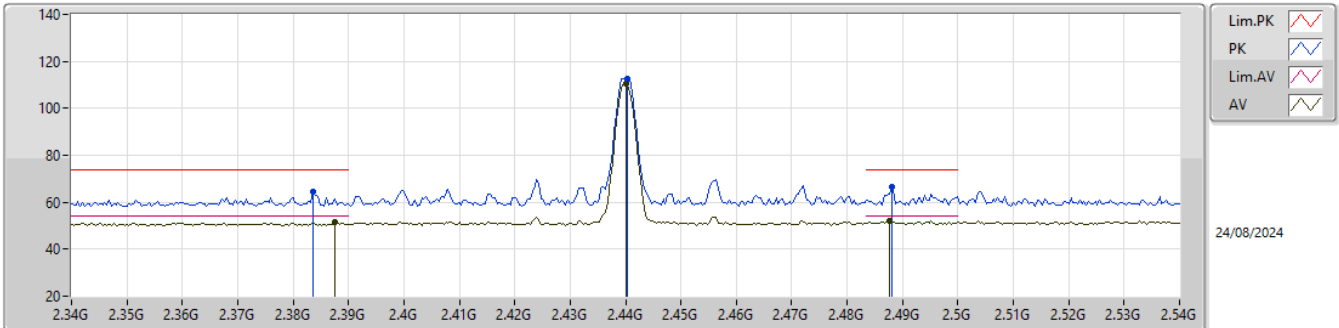


EUT_Y_1TX
Setting 15
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.80504G	50.71	74.00	-23.29	44.70	3	Horizontal	276	1.17	-	31.39	6.67	32.05			
AV	4.80397G	43.00	54.00	-11.00	36.99	3	Horizontal	276	1.17	-	31.39	6.67	32.05			

2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_TX

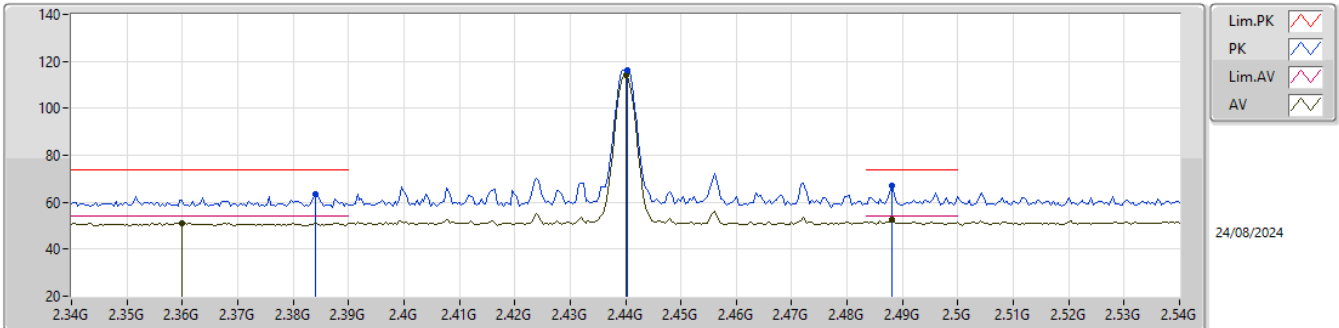


EUT_Y_1TX
Setting 17
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.3836G	64.38	74.00	-9.62	32.08	3	Vertical	304	1.10	-	27.60	4.70	-			
AV	2.3876G	51.49	54.00	-2.51	19.18	3	Vertical	304	1.10	-	27.60	4.71	-			
PK	2.4404G	112.73	Inf	-Inf	80.57	3	Vertical	304	1.10	-	27.40	4.76	-			
AV	2.44G	110.61	Inf	-Inf	78.45	3	Vertical	304	1.10	-	27.40	4.76	-			
PK	2.488G	66.69	74.00	-7.31	34.41	3	Vertical	304	1.10	-	27.48	4.80	-			
AV	2.4876G	52.10	54.00	-1.90	19.82	3	Vertical	304	1.10	-	27.48	4.80	-			

2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_TX

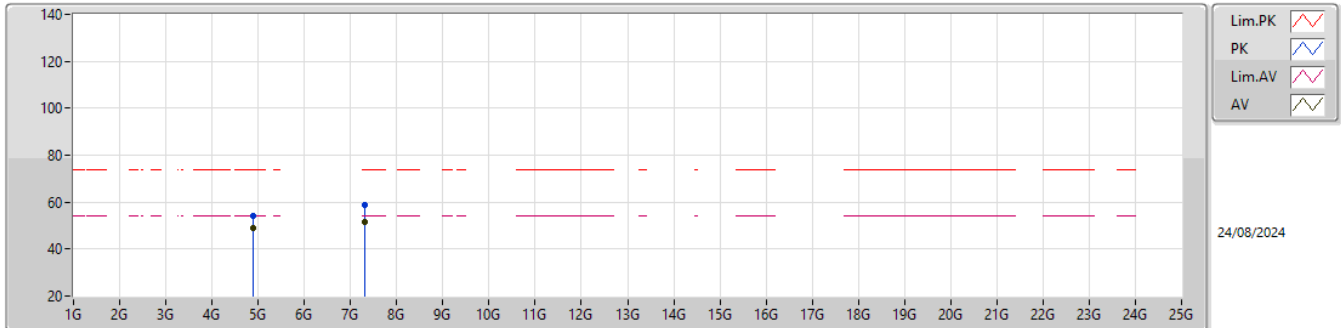


EUT_Y_1TX
Setting 17
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.384G	63.35	74.00	-10.65	31.05	3	Horizontal	4	1.00	-	27.60	4.70	-			
AV	2.36G	51.26	54.00	-2.74	18.78	3	Horizontal	4	1.00	-	27.80	4.68	-			
PK	2.4404G	116.42	Inf	-Inf	84.26	3	Horizontal	4	1.00	-	27.40	4.76	-			
AV	2.44G	113.96	Inf	-Inf	81.80	3	Horizontal	4	1.00	-	27.40	4.76	-			
PK	2.488G	67.01	74.00	-6.99	34.73	3	Horizontal	4	1.00	-	27.48	4.80	-			
AV	2.488G	52.60	54.00	-1.40	20.32	3	Horizontal	4	1.00	-	27.48	4.80	-			

2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_TX

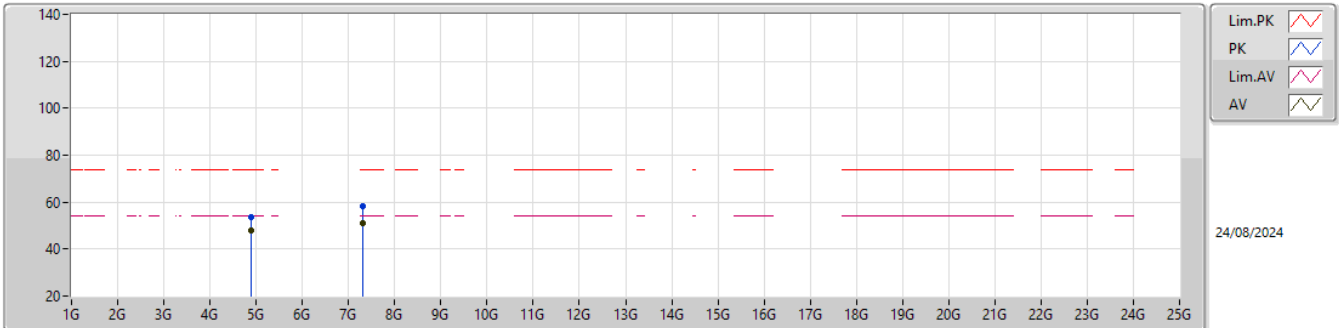


EUT_Y_1TX
Setting 17
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.88014G	54.38	74.00	-19.62	48.35	3	Vertical	359	2.33	-	31.30	6.74	32.01			
AV	4.87988G	48.82	54.00	-5.18	42.79	3	Vertical	359	2.33	-	31.30	6.74	32.01			
PK	7.32004G	58.55	74.00	-15.45	46.80	3	Vertical	14	2.15	-	36.60	8.34	33.19			
AV	7.32006G	51.39	54.00	-2.61	39.64	3	Vertical	14	2.15	-	36.60	8.34	33.19			

2.4-2.4835GHz_BT-LE(2Mbps)

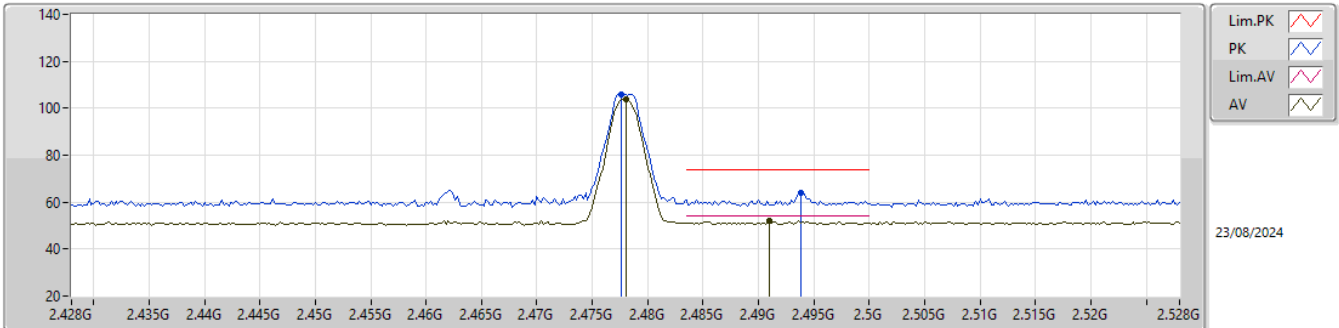
2440MHz_TX


EUT_Y_1TX
Setting 17
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.88112G	53.57	74.00	-20.43	47.54	3	Horizontal	275	1.15	-	31.30	6.74	32.01			
AV	4.88004G	47.90	54.00	-6.10	41.87	3	Horizontal	275	1.15	-	31.30	6.74	32.01			
PK	7.32138G	58.21	74.00	-15.79	46.46	3	Horizontal	351	1.80	-	36.60	8.34	33.19			
AV	7.3201G	50.80	54.00	-3.20	39.05	3	Horizontal	351	1.80	-	36.60	8.34	33.19			

2.4-2.4835GHz_BT-LE(2Mbps)

2478MHz_TX

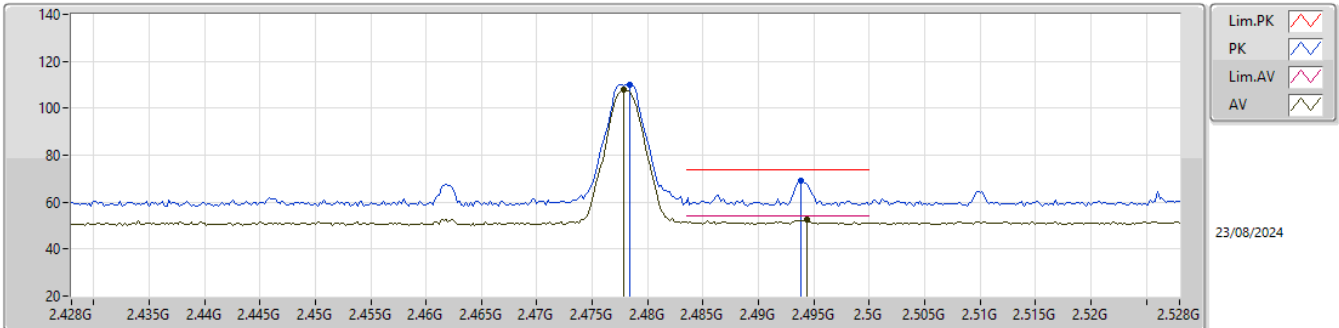


EUT_Y_1TX
Setting 9
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.4776G	106.04	Inf	-Inf	73.87	3	Vertical	307	1.38	-	27.38	4.79	-			
AV	2.478G	103.96	Inf	-Inf	71.79	3	Vertical	307	1.38	-	27.38	4.79	-			
PK	2.4938G	63.99	74.00	-10.01	31.73	3	Vertical	307	1.38	-	27.46	4.80	-			
AV	2.491G	52.12	54.00	-1.88	19.83	3	Vertical	307	1.38	-	27.49	4.80	-			

2.4-2.4835GHz_BT-LE(2Mbps)

2478MHz_TX

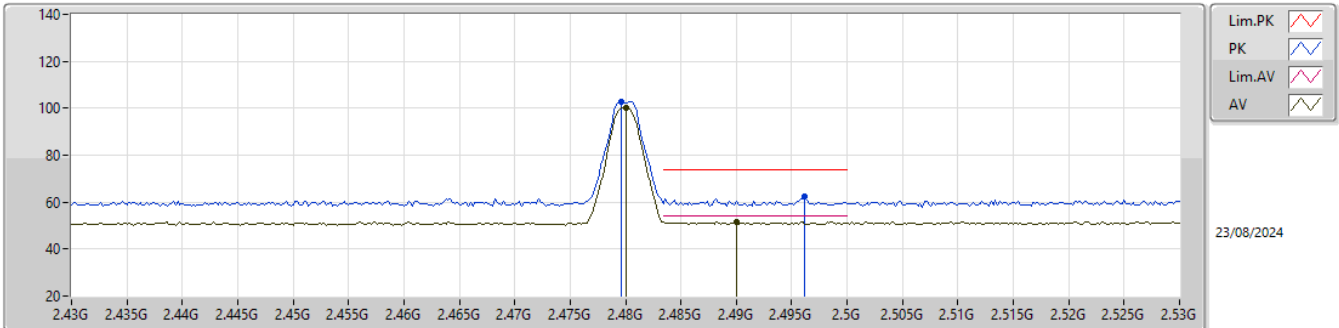


EUT_Y_1TX
Setting 9
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	2.4784G	109.84	Inf	-Inf	77.67	3	Horizontal	11	2.94	-	27.38	4.79	-				
AV	2.4778G	107.75	Inf	-Inf	75.58	3	Horizontal	11	2.94	-	27.38	4.79	-				
PK	2.4938G	69.02	74.00	-4.98	36.76	3	Horizontal	11	2.94	-	27.46	4.80	-				
AV	2.4944G	52.74	54.00	-1.26	20.48	3	Horizontal	11	2.94	-	27.46	4.80	-				

2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX

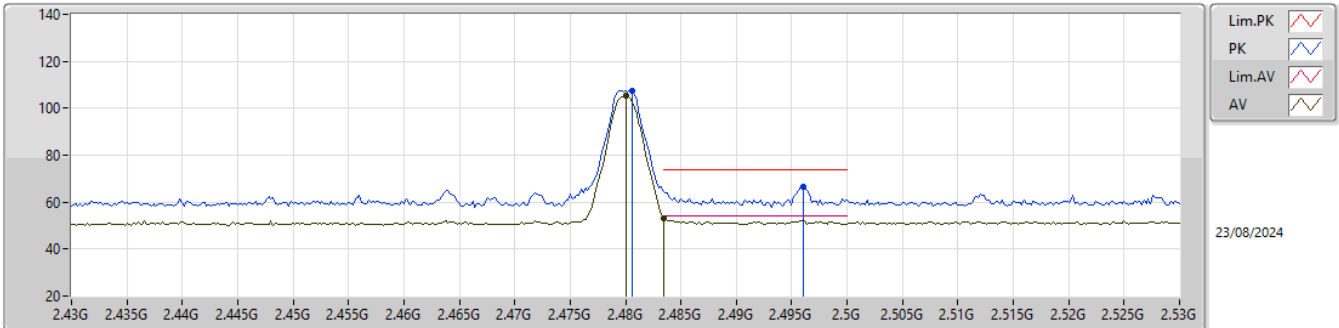


EUT_Y_1TX
Setting 6
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.4796G	102.55	Inf	-Inf	70.36	3	Vertical	305	1.36	-	27.40	4.79	-			
AV	2.48G	100.42	Inf	-Inf	68.23	3	Vertical	305	1.36	-	27.40	4.79	-			
PK	2.4962G	62.58	74.00	-11.42	30.33	3	Vertical	305	1.36	-	27.44	4.81	-			
AV	2.49G	51.67	54.00	-2.33	19.37	3	Vertical	305	1.36	-	27.50	4.80	-			

2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX

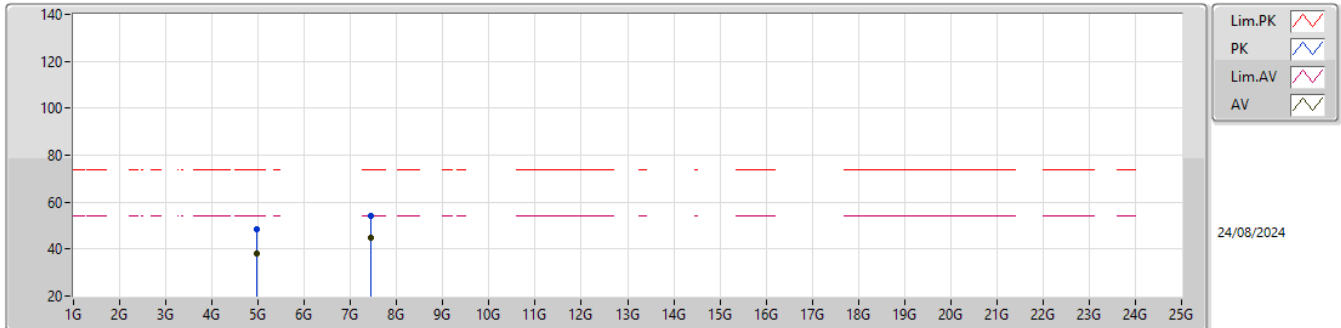


EUT_Y_1TX
Setting 6
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.4806G	107.40	Inf	-Inf	75.20	3	Horizontal	2	2.67	-	27.41	4.79	-			
AV	2.48G	105.23	Inf	-Inf	73.04	3	Horizontal	2	2.67	-	27.40	4.79	-			
PK	2.496G	66.59	74.00	-7.41	34.34	3	Horizontal	2	2.67	-	27.44	4.81	-			
AV	2.4835G	52.90	54.00	-1.10	20.66	3	Horizontal	2	2.67	-	27.44	4.80	-			

2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX

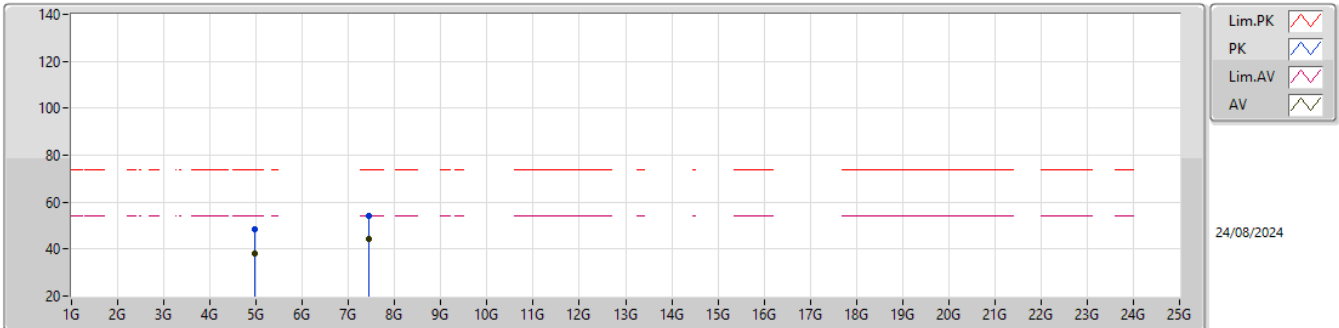


EUT_Y_1TX
Setting 6
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.96246G	48.51	74.00	-25.49	42.14	3	Vertical	198	2.69	-	31.52	6.81	31.96			
AV	4.96019G	37.92	54.00	-16.08	31.55	3	Vertical	198	2.69	-	31.52	6.81	31.96			
PK	7.43848G	53.89	74.00	-20.11	42.38	3	Vertical	15	2.14	-	36.48	8.37	33.34			
AV	7.43848G	44.89	54.00	-9.11	33.38	3	Vertical	15	2.14	-	36.48	8.37	33.34			

2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX



EUT_Y_1TX
Setting 6
06-P-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.96094G	48.33	74.00	-25.67	41.96	3	Horizontal	16	2.82	-	31.52	6.81	31.96			
AV	4.95889G	37.92	54.00	-16.08	31.55	3	Horizontal	16	2.82	-	31.52	6.81	31.96			
PK	7.4404G	54.06	74.00	-19.94	42.54	3	Horizontal	126	1.80	-	36.48	8.38	33.34			
AV	7.43856G	44.45	54.00	-9.55	32.94	3	Horizontal	126	1.80	-	36.48	8.37	33.34			