



RADIO TEST REPORT

FCC ID : UDX-600124010
Equipment : Wi-Fi 6 Access Point
Brand Name : CISCO
Model Name : MR36H-HW
Applicant : Cisco Systems, Inc.
170 West Tasman Drive, San Jose, CA 95134 USA
Manufacturer : Cisco Systems, Inc.
170 West Tasman Drive, San Jose, CA 95134 USA
Standard : 47 CFR FCC Part 15.247

The product was received on Jul. 28, 2021, and testing was started from Aug. 20, 2021 and completed on Nov. 10, 2021. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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



Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory
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Photographs of EUT v01



Summary of Test Result

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

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

1. The test configuration, test mode and test software were written in this test report are declared by the manufacturer.
2. The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Sam Chen**Report Producer: Sandy Chuang**



1 General Description

1.1 Information

1.1.1 RF General Information

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

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	BT-LE(1Mbps)	1.0	1TX
2.4-2.4835GHz	BT-LE(500Kb/s)	1.0	1TX
2.4-2.4835GHz	BT-LE(125Kb/s)	1.0	1TX
2.4-2.4835GHz	BT-LE(2Mbps)	2.0	1TX

Note:

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



1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	1	Sercomm	617211KN	PIFA	I-PEX	Note 1
2	2	Sercomm	617211KP	PIFA	I-PEX	
3	1	Unictron	H2U84W1H1S0300	CHIP	N/A	
4	1	Sercomm	617211KR	PIFA	I-PEX	

Note 1

Ant.	Port	Gain (dBi)						Radio	Remark
		2.4GHz	5GHz UNII 1	5GHz UNII 2A	5GHz UNII 2C	5GHz UNII 3	Bluetooth		
1	1	3.3	4.2	4.2	4.4	4.1	-	Radio 1	1TX/2RX
2	2	3.1	3.4	3.4	3.5	3.4	-		2TX/2RX
3	1	2.9	2.9	2.9	3.0	3.2	-	Radio 2	1TX/1RX
4	1	-	-	-	-	-	2.5	Radio 3	1TX/1RX

Note 2: The above information was declared by manufacturer.

<For Radio 1>

2.4GHz Band

For IEEE 802.11b/g/n/VHT/ax mode (1TX/2RX):

The EUT supports 1TX/2RX function, and it supports TX diversity function.

Both Port 1 and Port 2 could be used as transmitting antenna, but only one of them will be used at one time. Port 1 and Port 2 could receive simultaneously.

Both Port 1 and Port 2 are selected to test.

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

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

Port 1 and Port 2 could transmit/receive simultaneously.

5GHz Band

For IEEE 802.11a/n/ac/ax mode (1TX/2RX):

The EUT supports 1TX/2RX function, and it supports TX diversity function.

Both Port 1 and Port 2 could be used as transmitting antenna, but only one of them will be used at one time. Port 1 and Port 2 could receive simultaneously.

Both Port 1 and Port 2 are selected to test.

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

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

Port 1 and Port 2 could transmit/receive simultaneously.



<For Radio 2: Scanning>

2.4GHz Band

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

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

5GHz Band

For IEEE 802.11a/n/ac mode (1TX/1RX):

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

<For Radio 3>

For Bluetooth mode (1TX/1RX):

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

Note 3: Directional gain information

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

Ex.

Directional Gain (NSS1) formula :

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

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

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

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

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

Where ;

G1 = Ant 1 Gain ; G2 = Ant 2 Gain ; G3 = Ant 3 Gain ; G4 = Ant 4 Gain ;

2.4GHz DG = 6.31 dBi

5 GHz U-NII-1 DG = 6.82 dBi

5 GHz U-NII-3 DG = 6.77 dBi



1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
BT-LE(1Mbps)	0.866	0.62	2.165m	1k
BT-LE(2Mbps)	0.59	2.29	1.11m	1k

Note:

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

1.1.4 EUT Operational Condition

EUT Power Type	From PoE	
Test Software Version	DOS [ver 6.1.7601]	
Support Mode	<input checked="" type="checkbox"/>	LE 1M PHY: 1 Mb/s
	<input checked="" type="checkbox"/>	LE Coded PHY (S=2): 500 Kb/s
	<input checked="" type="checkbox"/>	LE Coded PHY (S=8): 125 Kb/s
	<input checked="" type="checkbox"/>	LE 2M PHY: 2 Mb/s

Note: The above information was declared by manufacturer.



1.2 Applicable Standards

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

- ◆ 47 CFR FCC Part 15.247
- ◆ ANSI C63.10-2013

The following reference test guidance is not within the scope of accreditation of TAF.

- ◆ FCC KDB 558074 D01 v05r02
- ◆ FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH03-CB	Lucas Haung	23.1~24.3 / 53~57	Aug. 28, 2021~ Oct. 14, 2021
Radiated <Below 1GHz>	03CH05-CB	Simmon Zheng	23.5-24.6 / 55-59	Aug. 20, 2021~ Nov. 10, 2021
Radiated <Above 1GHz>	03CH02-CB	Simmon Zheng	24.4-25.5 / 55-58	Aug. 20, 2021~ Nov. 10, 2021
AC Conduction	CO01-CB	Ryo Fan	24~26 / 60~61	Aug. 30, 2021



1.4 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	2.0 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	4.2 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.5 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	2.5 dB	Confidence levels of 95%
Output Power Measurement	1.3 dB	Confidence levels of 95%
Power Density Measurement	2.5 dB	Confidence levels of 95%
Bandwidth Measurement	0.9%	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
BT-LE(1Mbps)	-
2402MHz	200
2440MHz	200
2478MHz	200
2480MHz	165
BT-LE(2Mbps)	-
2402MHz	200
2440MHz	200
2478MHz	200
2480MHz	115



2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	Normal Link
1	Radio 1 (5GHz) + Radio 1 (2.4GHz) + Radio 2 (2.4GHz) + Radio 3 (Bluetooth) + PoE 1 (power by pass WAN port)
2	Radio 1 (5GHz) + Radio 1 (2.4GHz) + Radio 2 (5GHz) + Radio 3 (Bluetooth) + PoE 1 (power by pass WAN port)
3	Radio 1 (5GHz) + Radio 1 (2.4GHz) + Radio 2 (2.4GHz) + Radio 3 (Bluetooth) + PoE 1 (power by pass through port)
4	Radio 1 (5GHz) + Radio 1 (2.4GHz) + Radio 2 (5GHz) + Radio 3 (Bluetooth) + PoE 1 (power by pass through port)
Mode 1 has been evaluated to be the worst case among Mode 1~4, thus measurement for Mode 5 will follow this same test mode.	
5	Radio 1 (5GHz) + Radio 1 (2.4GHz) + Radio 2 (2.4GHz) + Radio 3 (Bluetooth) + PoE 2 (power by pass WAN port)
For operating mode 1 is the worst case and it was record in this test report.	

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



The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX
The EUT was performed at X axis, Y axis and Z axis position for Emissions in Restricted Frequency Bands <above 1GHz>, So the measurement will follow this same test configuration.	
1	EUT in Y axis + WLAN 2.4GHz (power by pass WAN port)
2	EUT in Y axis + WLAN 5GHz (power by pass WAN port)
3	EUT in Y axis + Bluetooth (power by pass WAN port)
Mode 2 has been evaluated to be the worst case among Mode 1~3, thus measurement for Mode 4 will follow this same test mode.	
4	EUT in Y axis + WLAN 5GHz (power by pass through port)
For operating mode 2 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
The EUT was performed at X axis, Y axis and Z axis position, and the worst case as below:	
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	Radio 1 (2.4GHz) + Radio 1 (5GHz) + Radio 2 (2.4GHz) + Radio 3 (Bluetooth)
2	Radio 1 (2.4GHz) + Radio 1 (5GHz) + Radio 2 (5GHz) + Radio 3 (Bluetooth)
Refer to Sporton Test Report No.: FA172724 for Co-location RF Exposure Evaluation.	

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

The PoE information as below:

Support Unit	Brand	Model Number
PoE	PHIHONG	POEA33U-1ATE(MA-INJ-4)

2.3 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.



2.4 Accessories

Equipment Name	Brand Name	Model Name	Remark
RJ-45 cable*1	Nienyi	NYS4942	Non-Shielded, 0.1m
Wall Bracket*1	Chain-Ray	945DKN01SB	-

2.5 Support Equipment

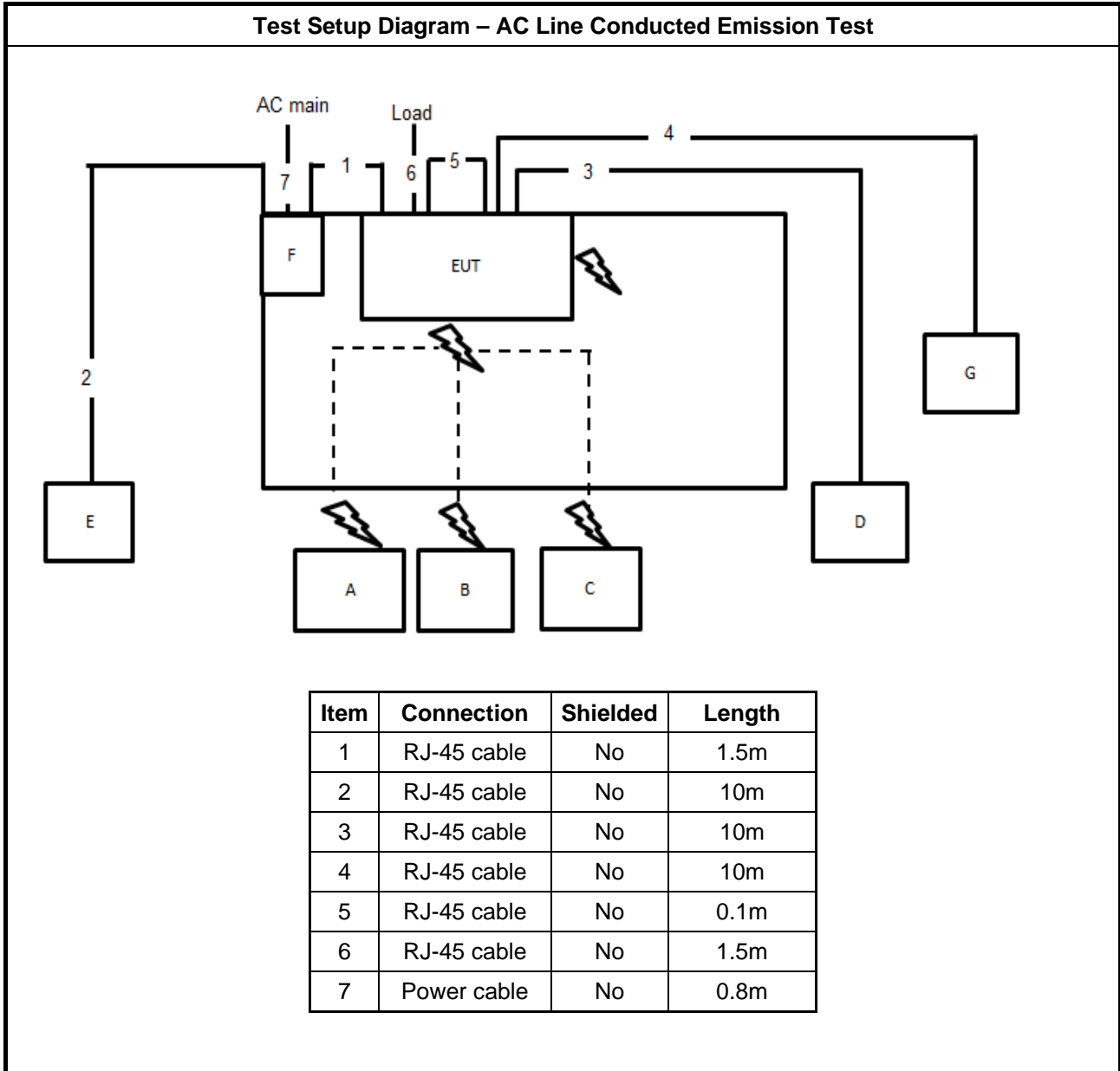
For AC Conduction

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	WiFi2 2.4/5G NB	DELL	E6430	N/A
B	2.4G NB	DELL	E6430	N/A
C	5G NB	DELL	E6430	N/A
D	LAN NB	DELL	E6430	N/A
E	LAN NB	DELL	E6430	N/A
F	PoE	PHIHONG	POEA33U-1ATE(MA-INJ-4)	N/A
G	Device	Cisco	MR36H-HW	N/A

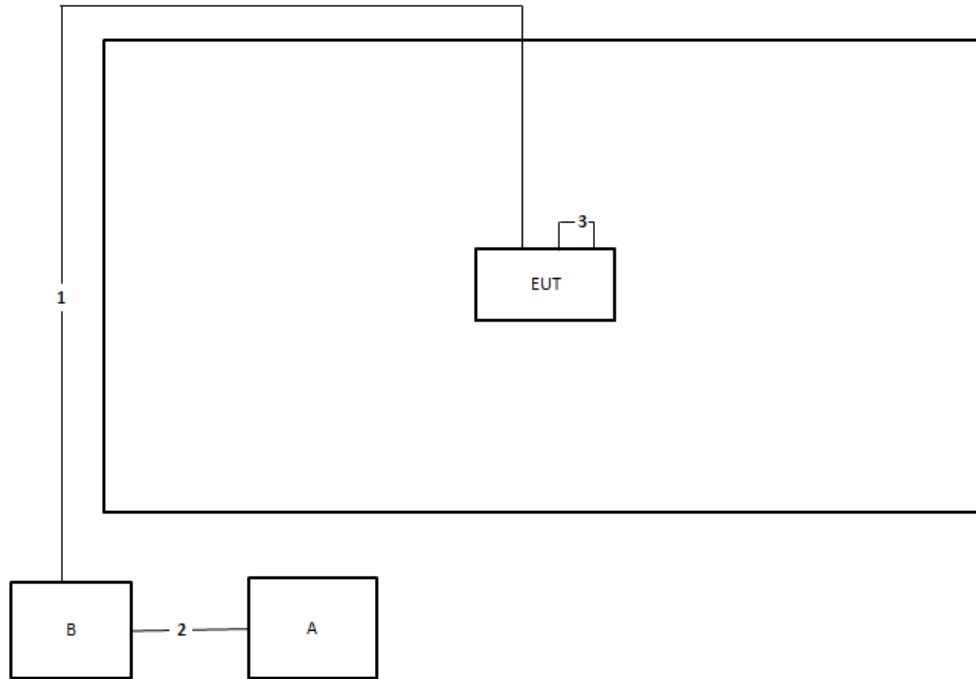
For Radiated <Above 1GHz> and RF Conducted

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	PoE	PHIHONG	POEA33U-1ATE(MA-INJ-4)	N/A

2.6 Test Setup Diagram

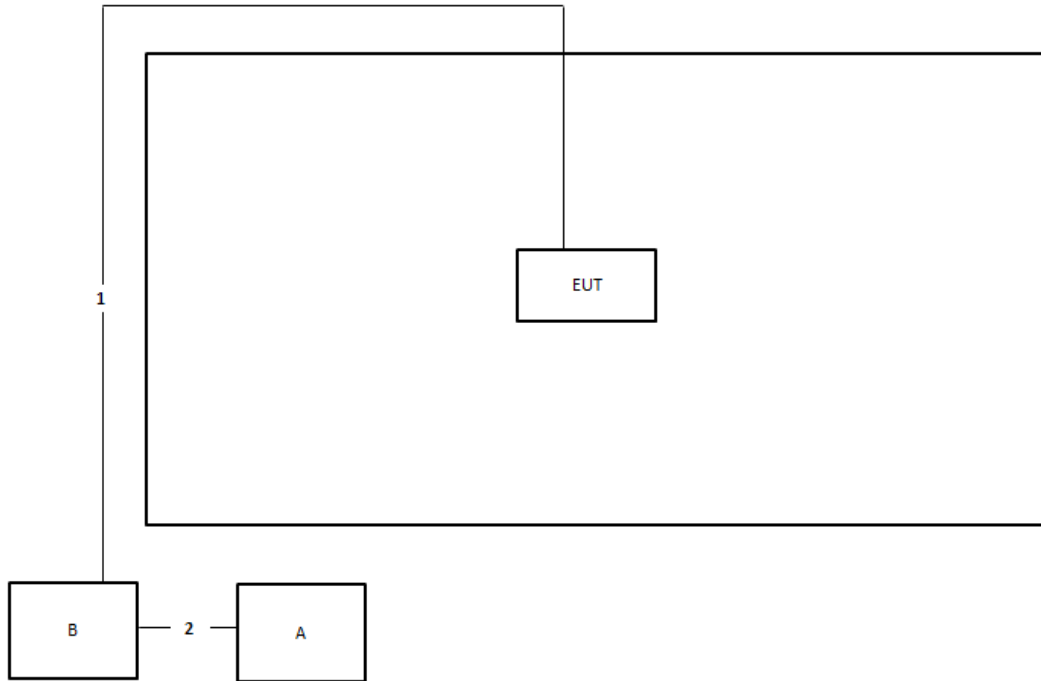


Test Setup Diagram - Radiated Test < 1GHz



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	RJ-45 cable	No	1.5m
3	RJ-45 cable	No	0.1m

Test Setup Diagram - Radiated Test > 1GHz



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



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

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

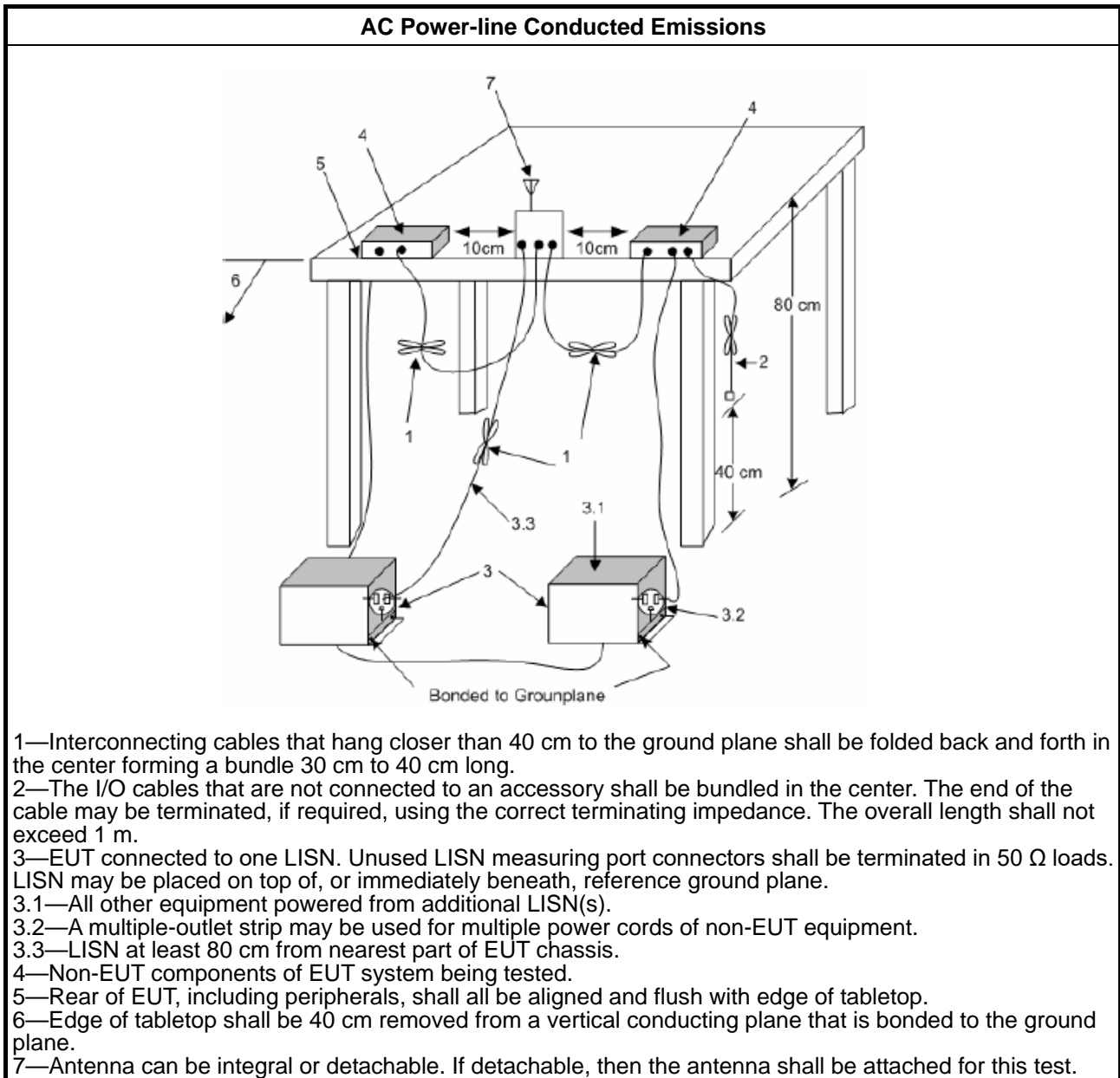
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



1.1.1. Measurement Results Calculation

The measured Level is calculated using:

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

3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

6dB Bandwidth Limit
Systems using digital modulation techniques:
<ul style="list-style-type: none"> ▪ 6 dB bandwidth \geq 500 kHz.

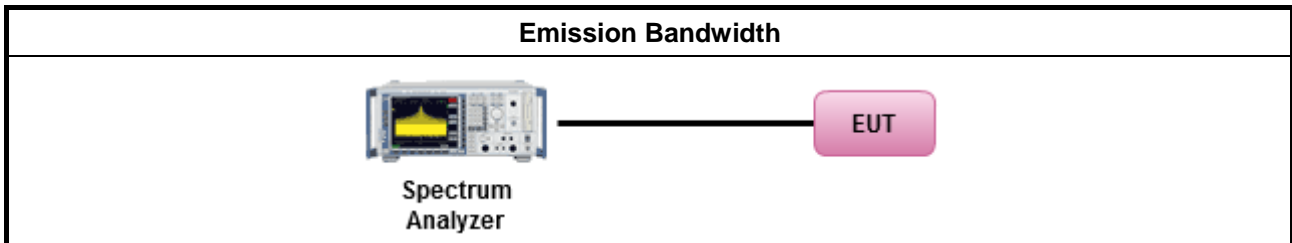
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method
<ul style="list-style-type: none"> ▪ For the emission bandwidth shall be measured using one of the options below:
<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.1 Option 1 for 6 dB bandwidth measurement.
<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.2 Option 2 for 6 dB bandwidth measurement.
<input type="checkbox"/> Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B



3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
	<ul style="list-style-type: none"> ▪ If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)
	<ul style="list-style-type: none"> ▪ Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm
	<ul style="list-style-type: none"> ▪ Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	<ul style="list-style-type: none"> ▪ Smart antenna system (SAS):
	<ul style="list-style-type: none"> - Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	<ul style="list-style-type: none"> - Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	<ul style="list-style-type: none"> - Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dB dBm
<p>P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.</p>	

3.3.2 Measuring Instruments

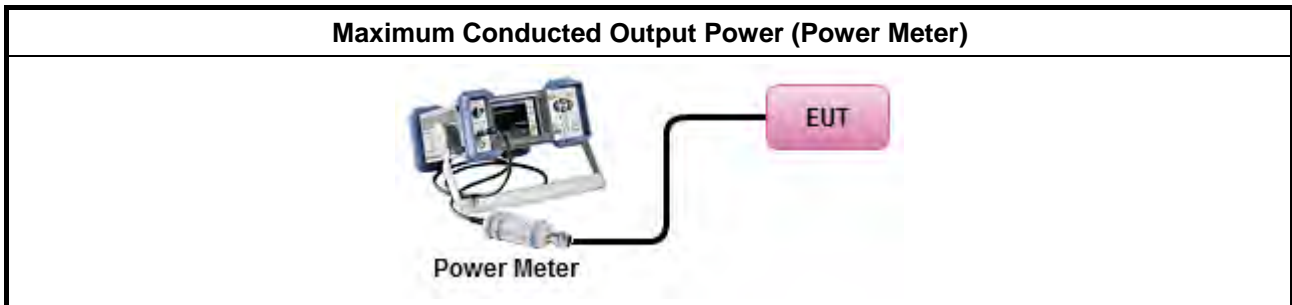
Refer a test equipment and calibration data table in this test report.



3.3.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ Maximum Peak Conducted Output Power 	
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.1.1 & C63.10 clause 11.9.1.1 (RBW ≥ EBW method).
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.1.3 & C63.10 clause 11.9.1.3 (peak power meter).
<ul style="list-style-type: none"> ▪ Maximum Conducted Output Power 	
[duty cycle ≥ 98% or external video / power trigger]	
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.2 Method AVGSA-1.
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.3 Method AVGSA-1A. (alternative)
duty cycle < 98% and average over on/off periods with duty factor	
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.4 Method AVGSA-2.
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.5 Method AVGSA-2A (alternative)
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.6 Method AVGSA-3
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.7 Method AVGSA-3A (alternative)
Measurement using a power meter (PM)	
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.1 Method AVGPM (using an RF average power meter).
	<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.2 Method AVGPM-G (using an gate RF average power meter).
<ul style="list-style-type: none"> ▪ For conducted measurement. 	
	<ul style="list-style-type: none"> ▪ If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	<ul style="list-style-type: none"> ▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup



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
<ul style="list-style-type: none"> Power Spectral Density (PSD) ≤ 8 dBm/3kHz

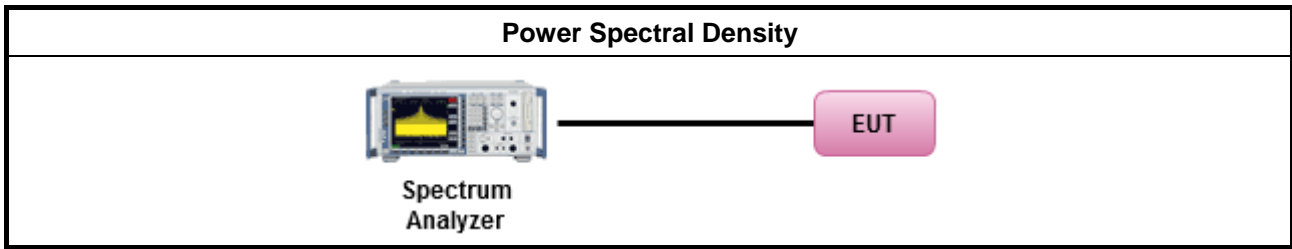
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method
<ul style="list-style-type: none"> Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).
<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10 Method Max. PSD. [duty cycle ≥ 98% or external video / power trigger]
<ul style="list-style-type: none"> For conducted measurement.
<ul style="list-style-type: none"> If The EUT supports multiple transmit chains using options given below: <ul style="list-style-type: none"> <input type="checkbox"/> Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace. <input type="checkbox"/> Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits, <input type="checkbox"/> Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	Limit (dBc)
Peak output power procedure	20
Average output power procedure	30

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.

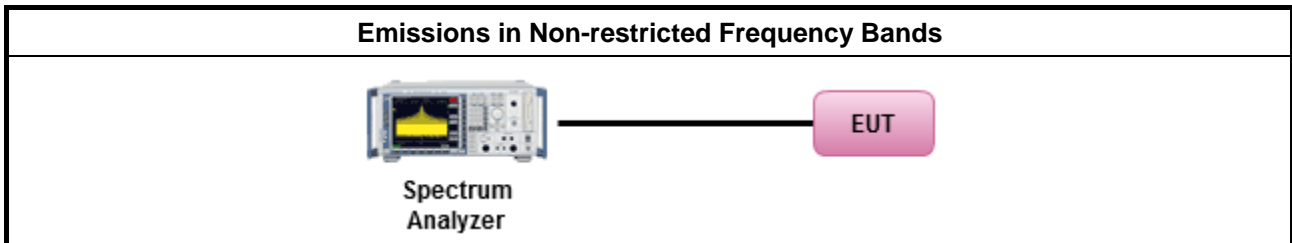
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
<ul style="list-style-type: none"> Refer as FCC KDB 558074, clause 8.5 for unwanted emissions into non-restricted bands.

3.5.4 Test Setup



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E



3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

Restricted Band Emissions Limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB / decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

3.6.2 Measuring Instruments

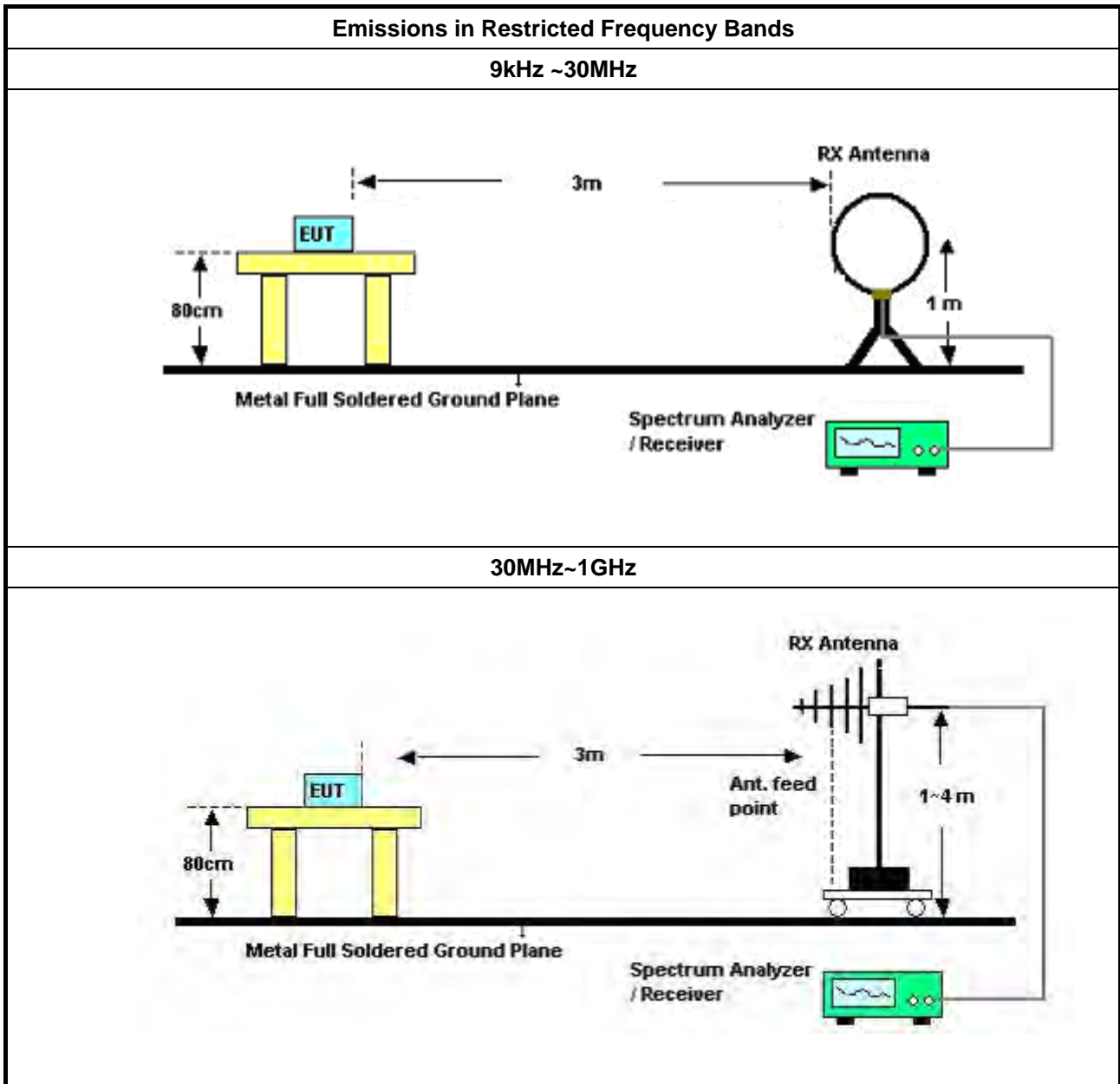
Refer a test equipment and calibration data table in this test report.

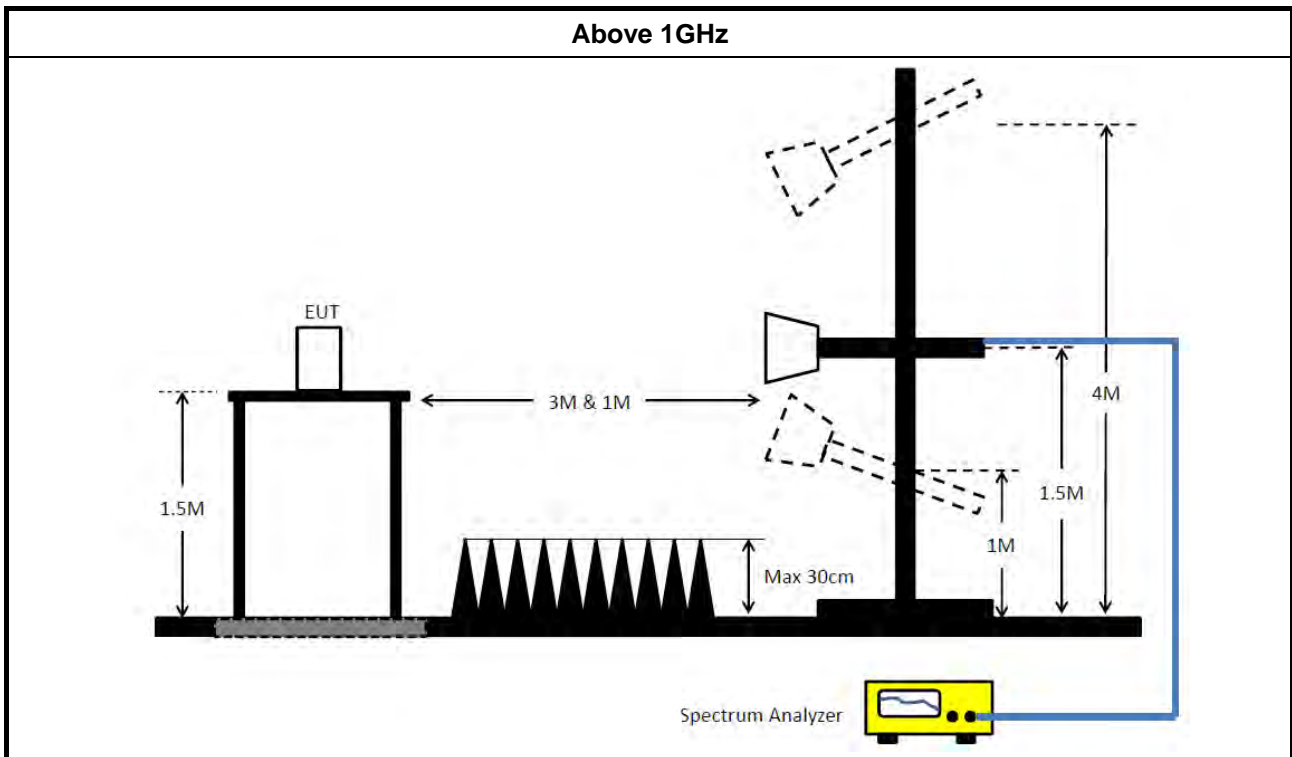


3.6.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ The average emission levels shall be measured in [duty cycle \geq 98 or duty factor]. 	
<ul style="list-style-type: none"> ▪ 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. 	
<ul style="list-style-type: none"> ▪ For the transmitter unwanted emissions shall be measured using following options below: 	
	<ul style="list-style-type: none"> ▪ Refer as FCC KDB 558074, clause 8.6 for unwanted emissions into restricted bands.
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.1(trace averaging for duty cycle \geq 98%).
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.2(trace averaging + duty factor).
	<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.3(Reduced VBW \geq 1/T).
	<input type="checkbox"/> Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW \geq 1/T, where T is pulse time.
	<input type="checkbox"/> Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
	<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.4 measurement procedure peak limit.
<ul style="list-style-type: none"> ▪ For the transmitter band-edge emissions shall be measured using following options below: 	
	<ul style="list-style-type: none"> ▪ 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.
	<ul style="list-style-type: none"> ▪ Refer as FCC KDB 558074, clause 8.7 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.
	<ul style="list-style-type: none"> ▪ 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).
	<ul style="list-style-type: none"> ▪ 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
	<ul style="list-style-type: none"> ▪ 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. 03, 2021	Mar. 02, 2022	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Jan. 06, 2021	Jan. 05, 2022	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Mar. 07, 2021	Mar. 06, 2022	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Jan. 30, 2021	Jan. 29, 2022	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 19, 2021	May 18, 2022	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Apr. 14, 2021	Apr. 13, 2022	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 09, 2021	Aug. 08, 2022	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 26, 2021	Mar. 25, 2022	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	Apr. 27, 2021	Apr. 26, 2022	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	May 03, 2021	May 02, 2022	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 21, 2021	Jun. 20, 2022	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz 3m	Mar. 27, 2021	Mar. 26, 2022	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	May 04, 2021	May 03, 2022	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH02-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jul. 12, 2021	Jul. 11, 2022	Radiation (03CH02-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSU	100015	9kHz~26GHz	Oct. 15, 2020	Oct. 14, 2021	Radiation (03CH02-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH02-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Dec. 31, 2020	Dec. 30, 2021	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1726195	300MHz~40GHz	Aug. 22, 2021	Aug. 21, 2022	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1035008	300MHz~40GHz	Aug. 22, 2021	Aug. 21, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz –26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH03-CB)

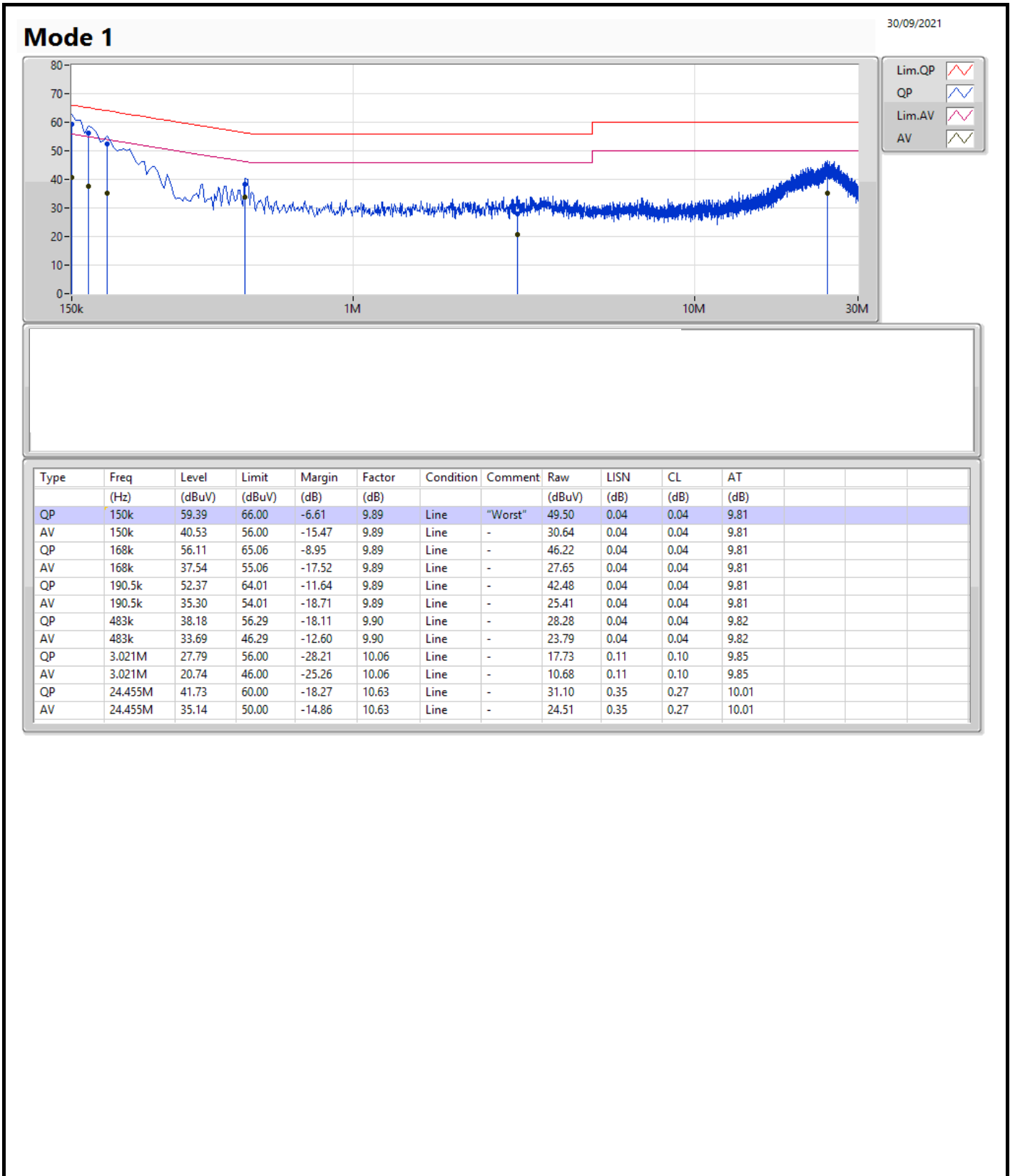
Note: Calibration Interval of instruments listed above is one year.

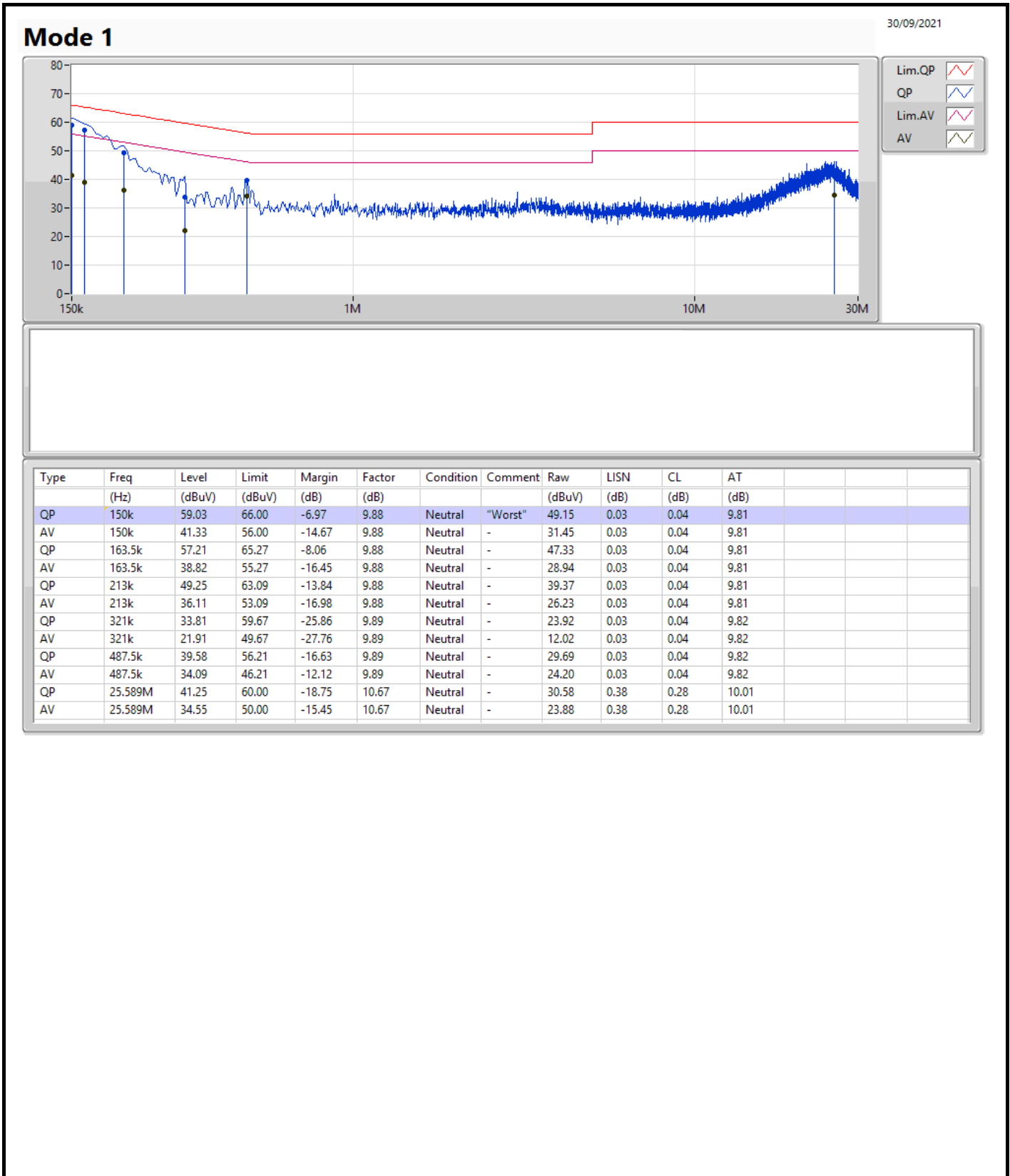
NCR means Non-Calibration required.



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	150k	59.39	66.00	-6.61	Line







Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
BT-LE(1Mbps)	638.75k	1.049M	1M05F1D	633.75k	1.038M
BT-LE(2Mbps)	1.088M	2.096M	2M10F1D	1.083M	2.086M

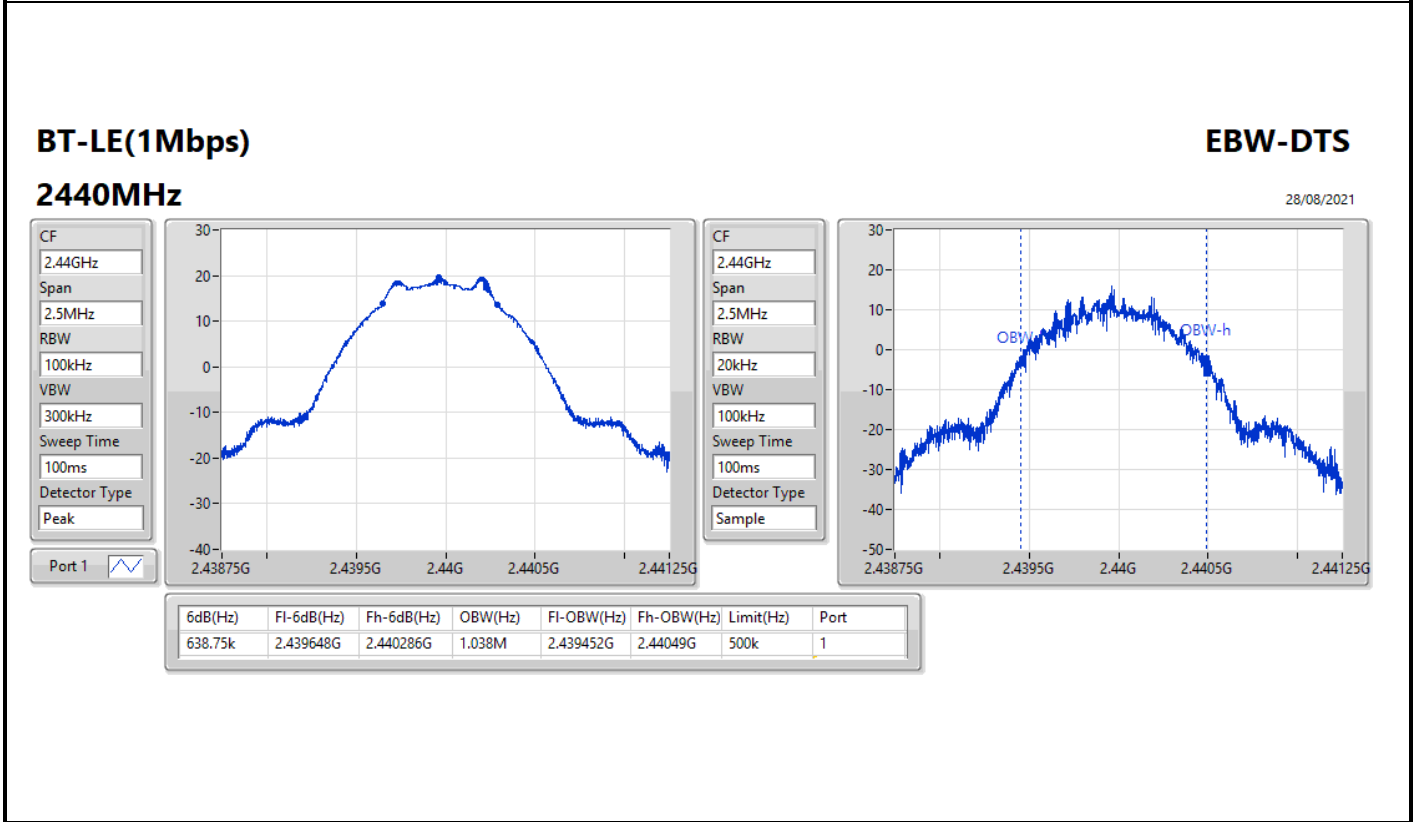
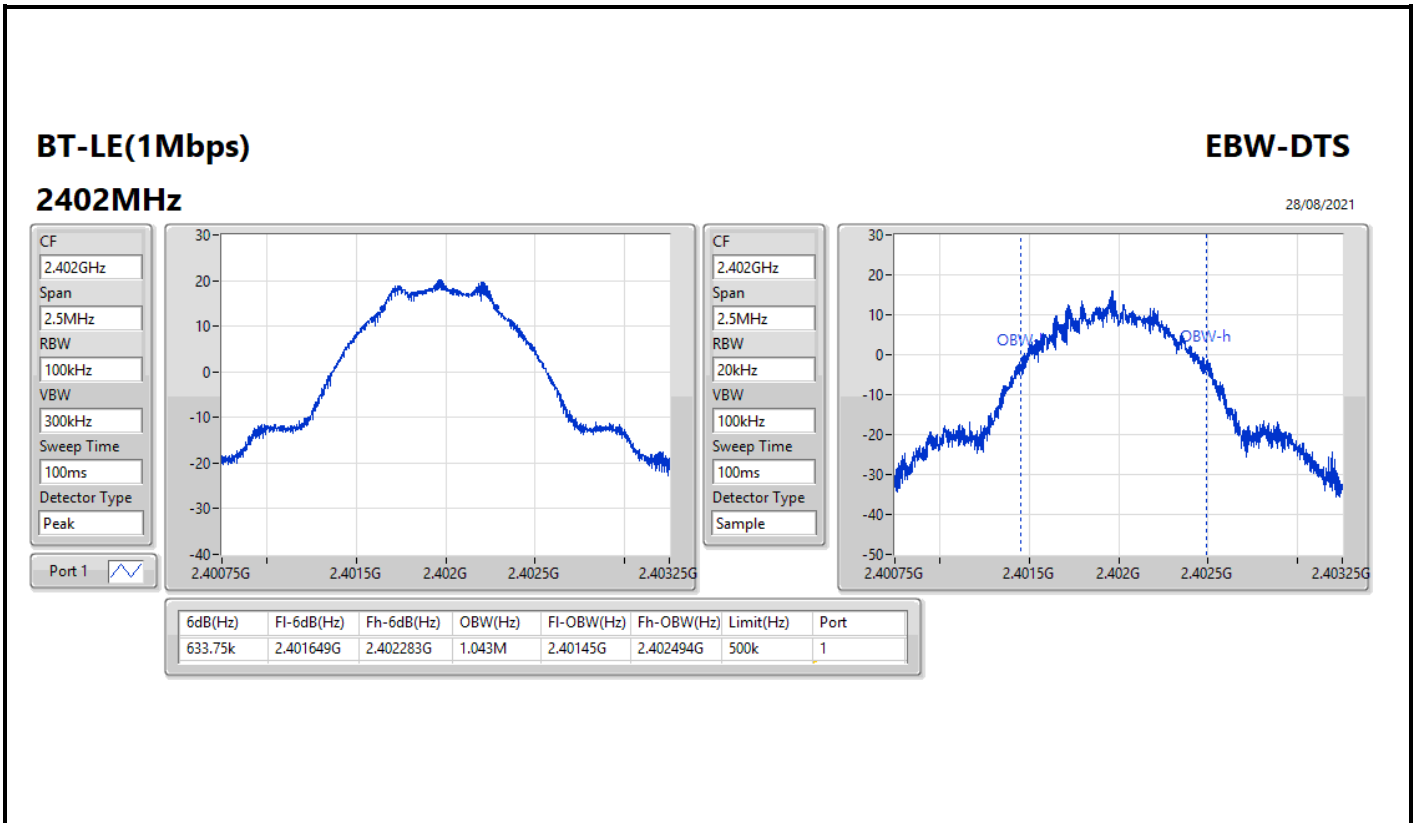
Max-N dB = Maximum 6dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth

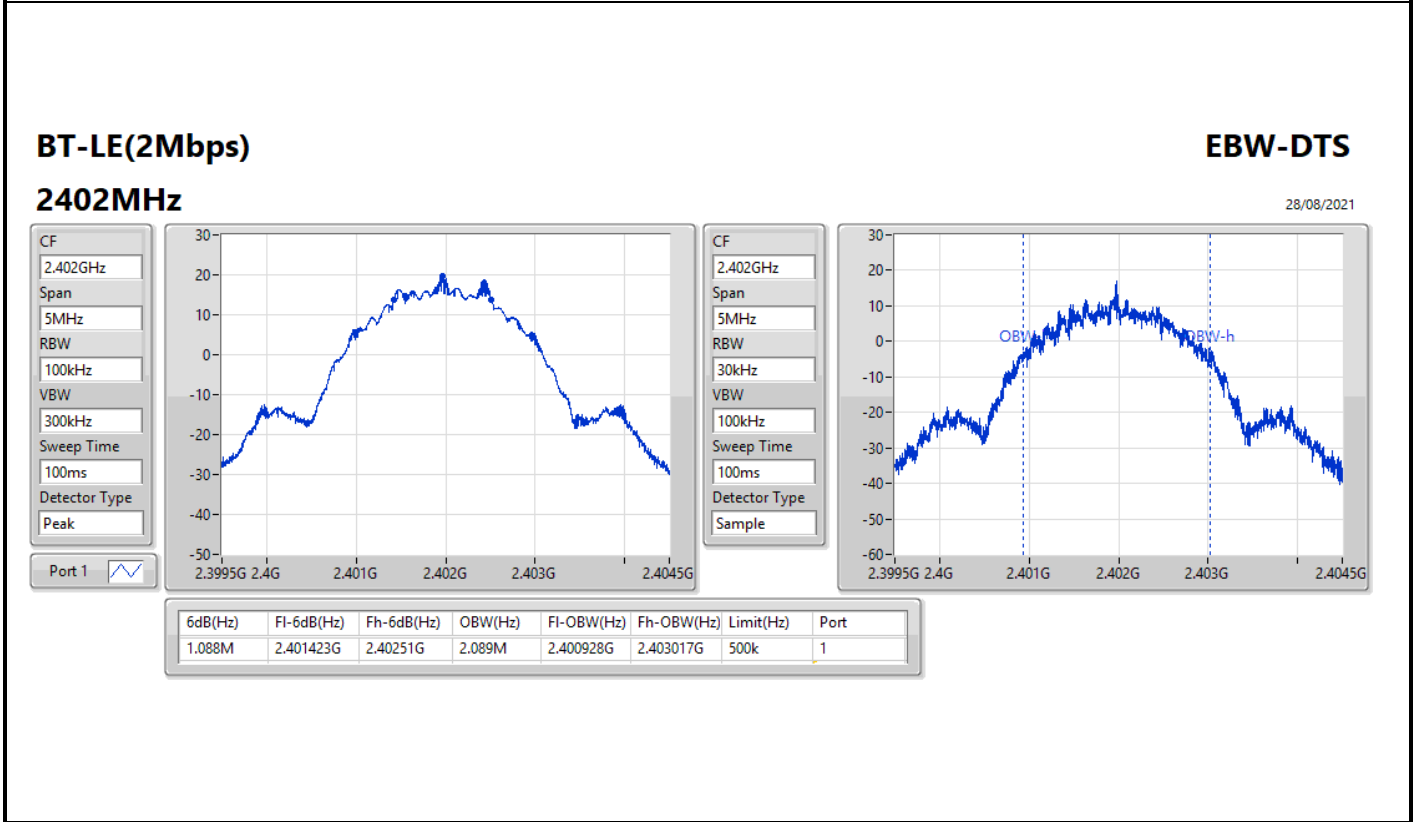
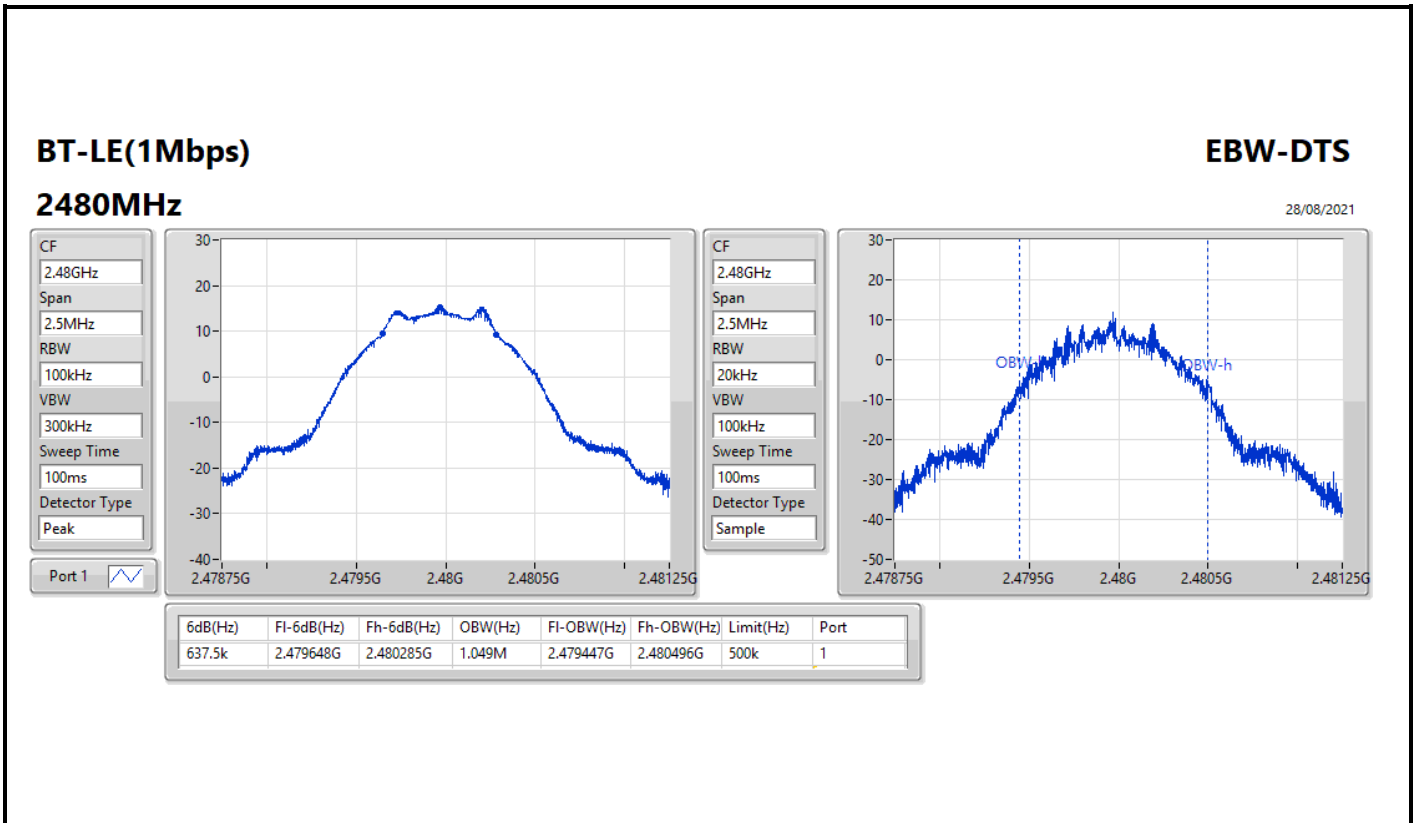


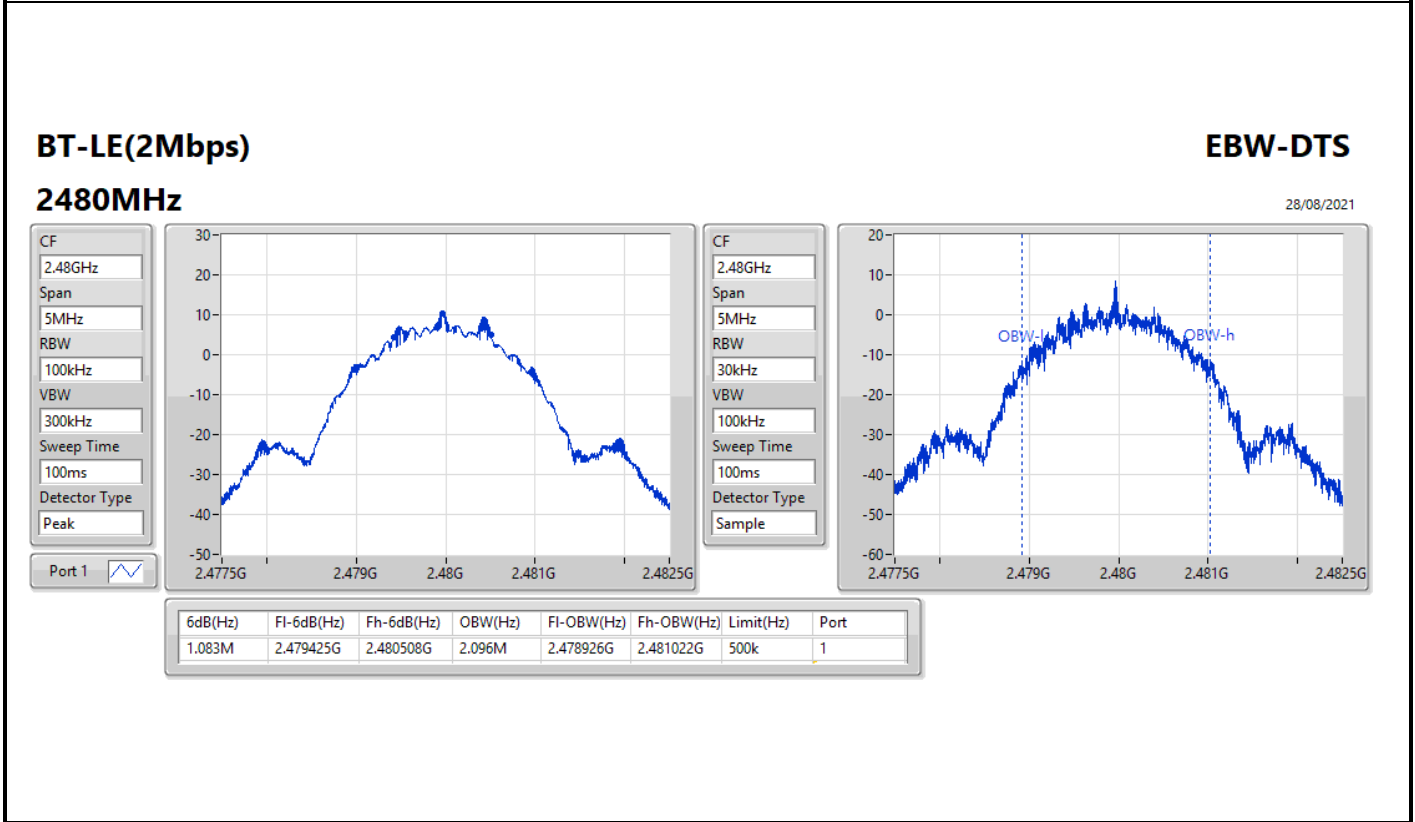
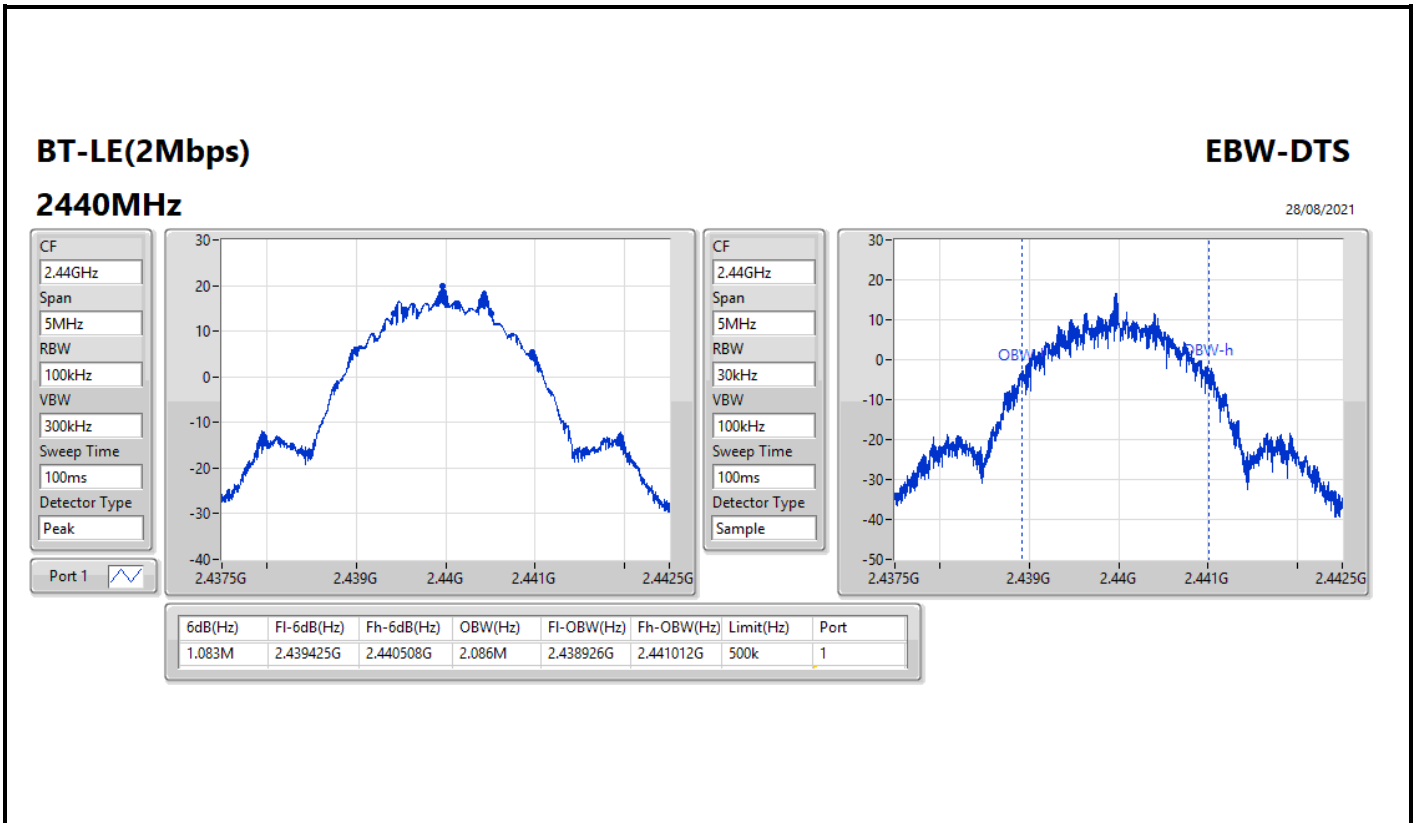
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	500k	633.75k	1.043M
2440MHz	Pass	500k	638.75k	1.038M
2480MHz	Pass	500k	637.5k	1.049M
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	500k	1.088M	2.089M
2440MHz	Pass	500k	1.083M	2.086M
2480MHz	Pass	500k	1.083M	2.096M

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









Summary

Mode	Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)	19.88	0.09727
BT-LE(2Mbps)	19.79	0.09528



Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	2.50	19.88	30.00
2440MHz	Pass	2.50	19.58	30.00
2478MHz	Pass	2.50	19.64	30.00
2480MHz	Pass	2.50	15.47	30.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	2.50	19.79	30.00
2440MHz	Pass	2.50	19.74	30.00
2478MHz	Pass	2.50	7.07	30.00
2480MHz	Pass	2.50	10.42	30.00

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



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
BT-LE(1Mbps)	4.44
BT-LE(2Mbps)	2.78

RBW = 3kHz:



Result

Mode	Result	Gain (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	2.50	4.44	8.00
2440MHz	Pass	2.50	3.74	8.00
2480MHz	Pass	2.50	-0.07	8.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	2.50	1.76	8.00
2440MHz	Pass	2.50	2.78	8.00
2480MHz	Pass	2.50	-6.22	8.00

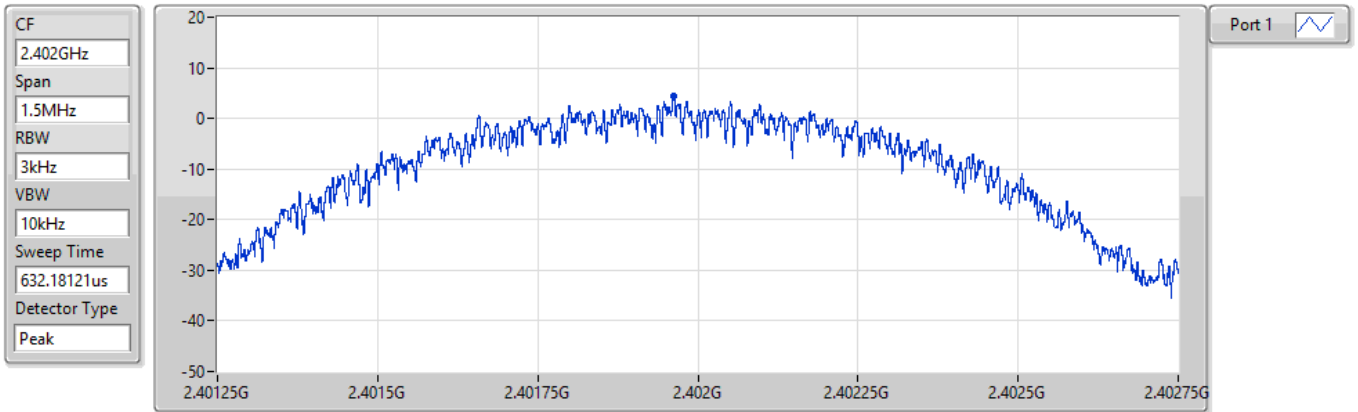
DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

BT-LE(1Mbps)

PSD

2402MHz

28/08/2021

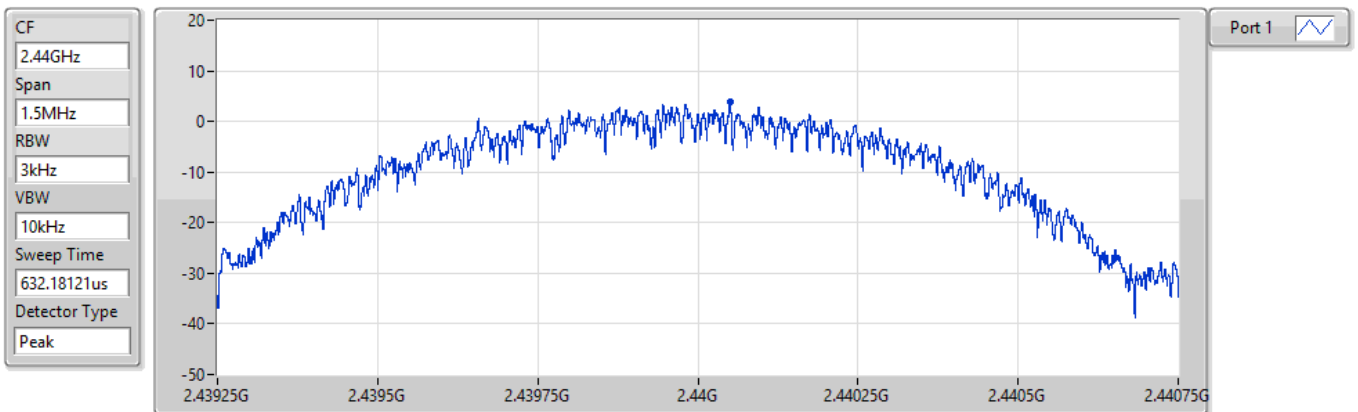


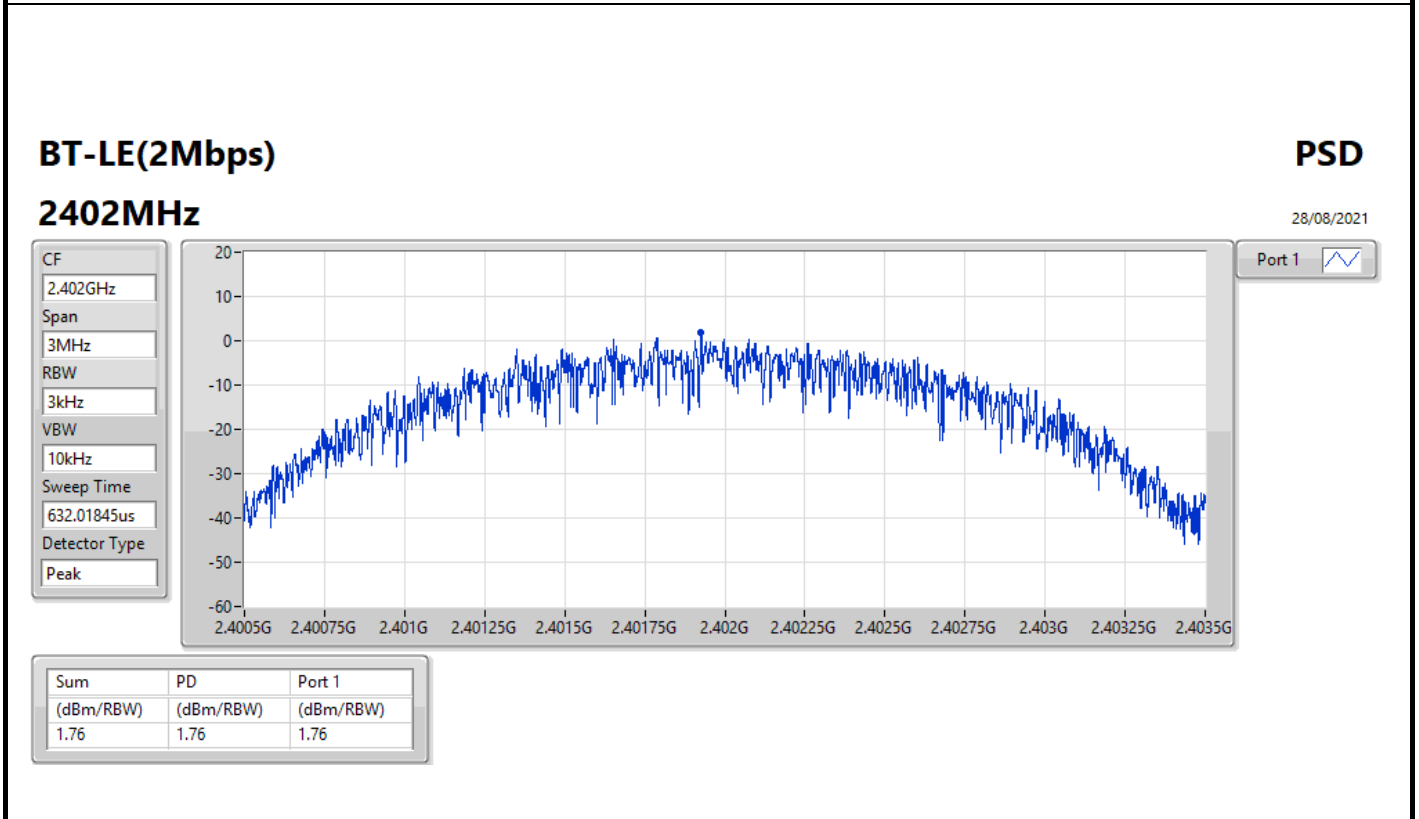
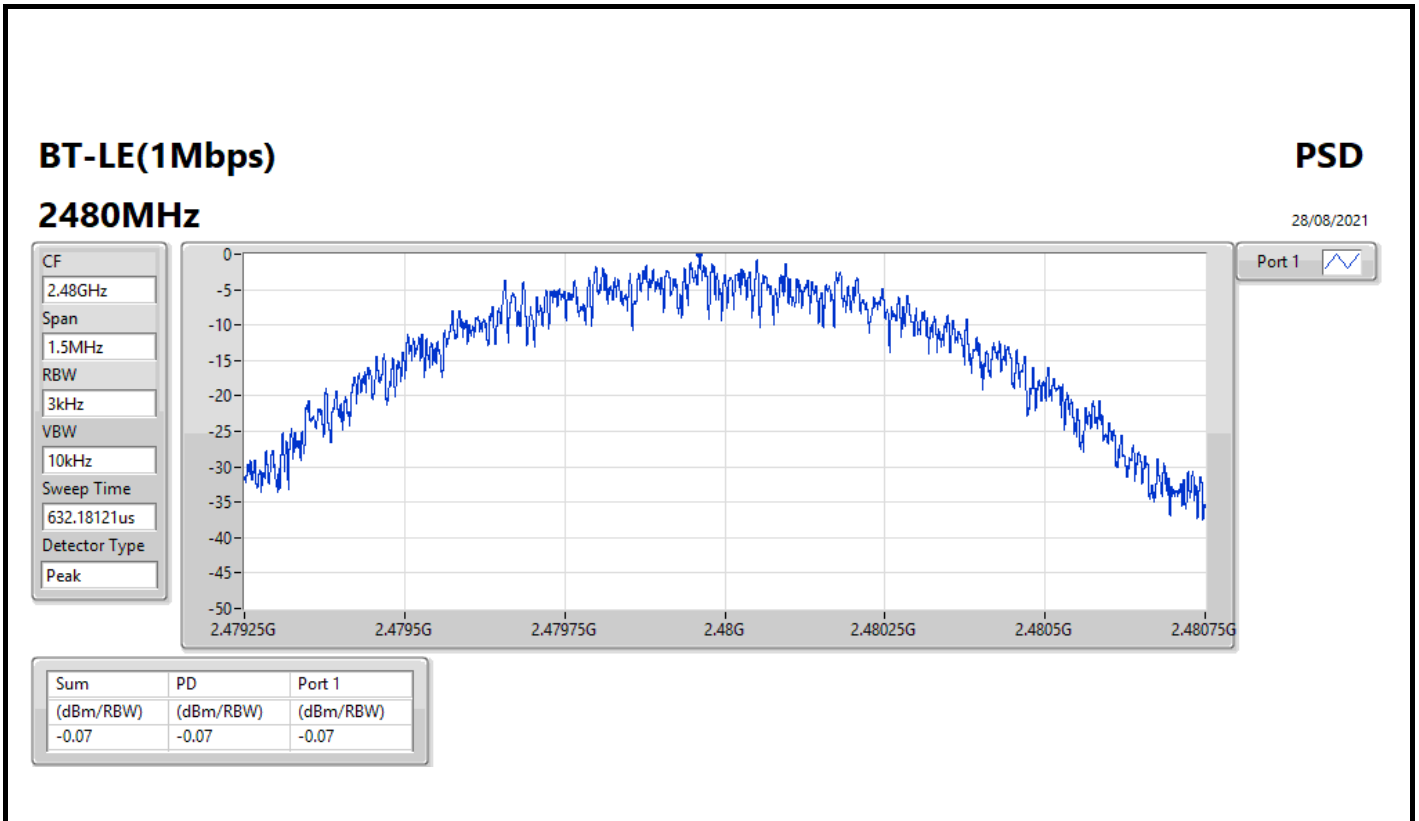
BT-LE(1Mbps)

PSD

2440MHz

28/08/2021





BT-LE(2Mbps)

PSD

2440MHz

28/08/2021

CF
2.44GHz

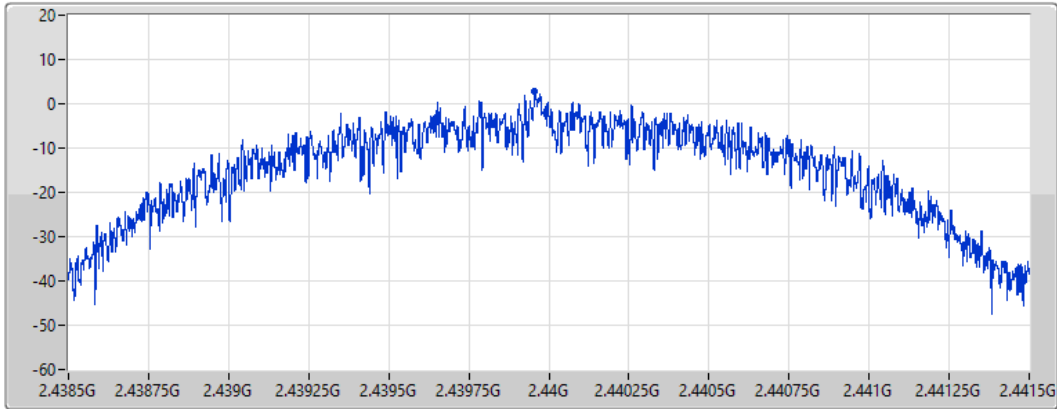
Span
3MHz


RBW
3kHz

VBW
10kHz

Sweep Time
632.01845us

Detector Type
Peak



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.78	2.78	2.78

BT-LE(2Mbps)

PSD

2480MHz

28/08/2021

CF
2.48GHz

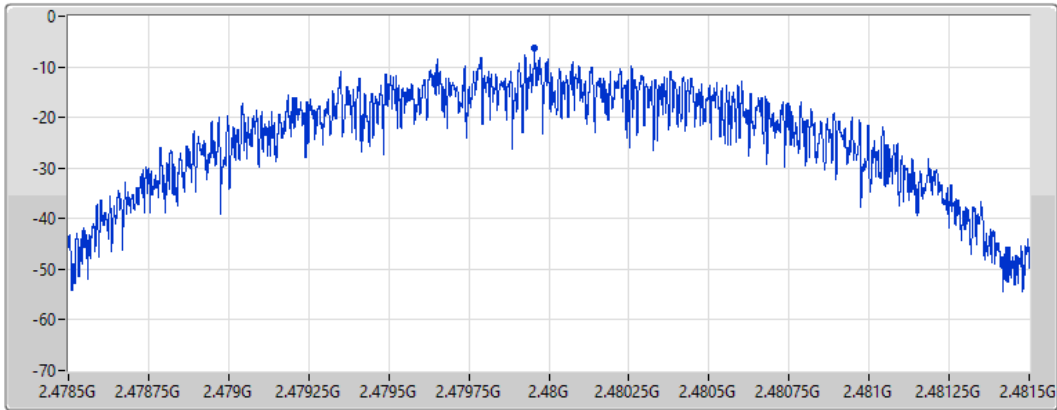
Span
3MHz


RBW
3kHz

VBW
10kHz

Sweep Time
632.01845us

Detector Type
Peak



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.22	-6.22	-6.22



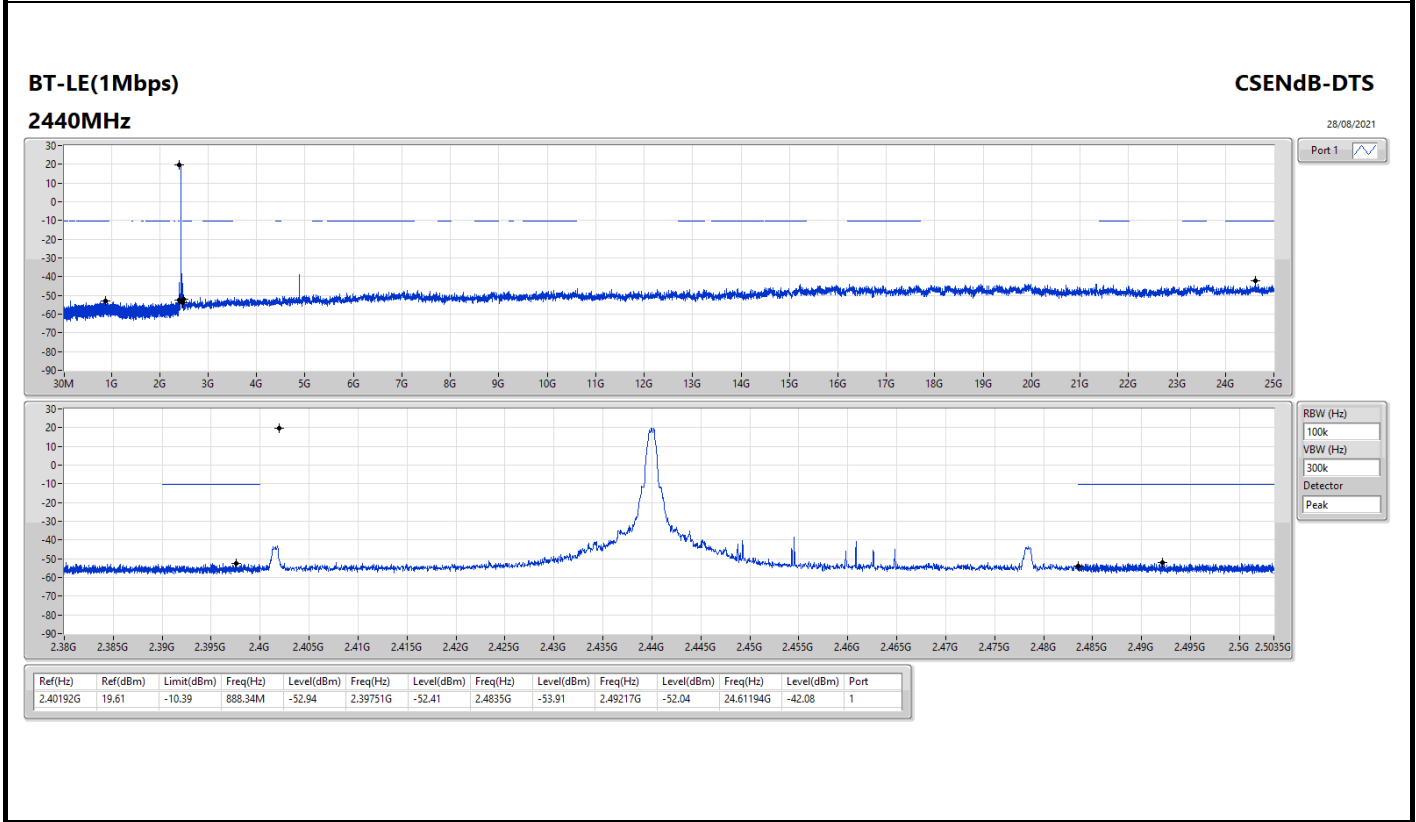
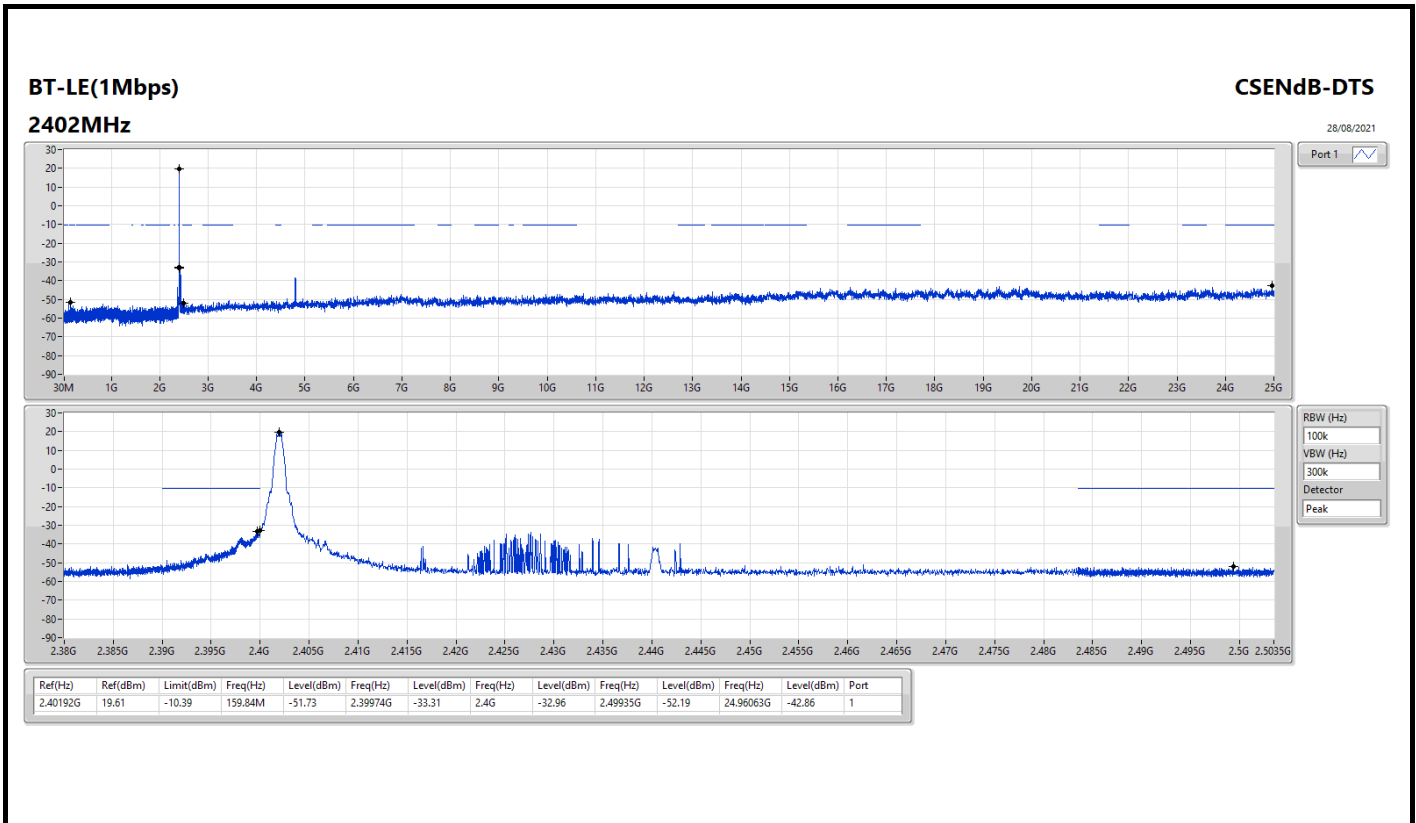
Summary

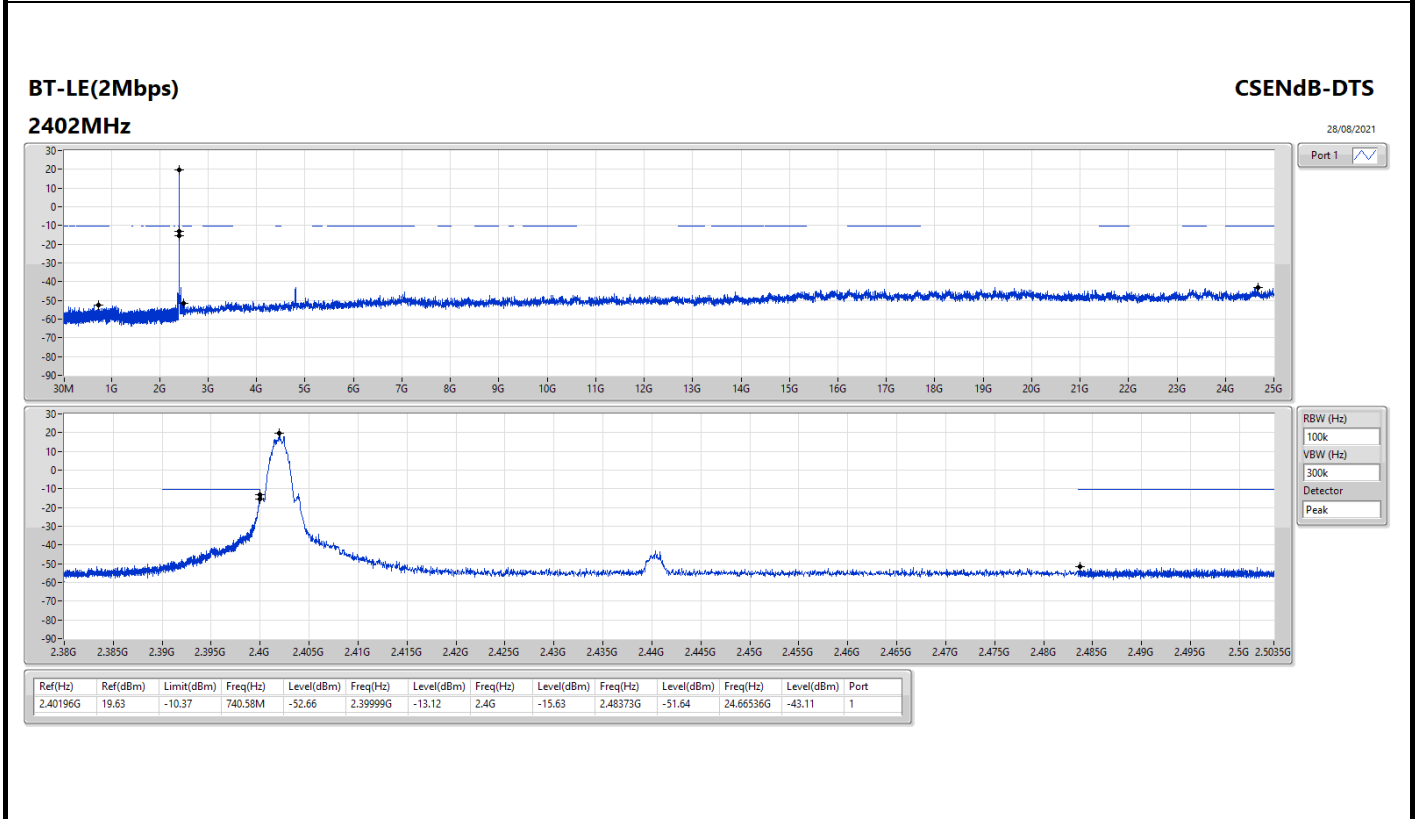
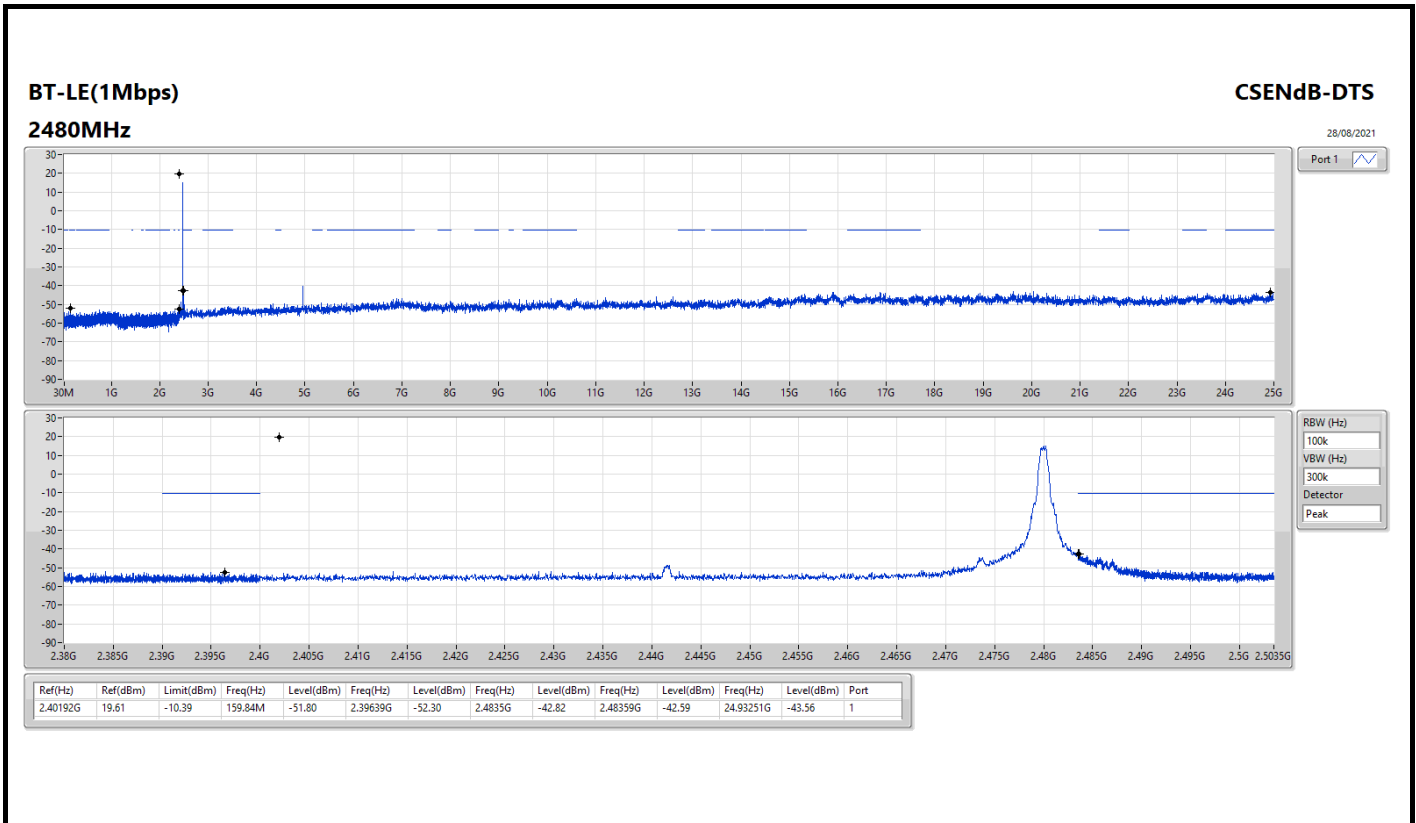
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	2.40192G	19.61	-10.39	159.84M	-51.73	2.39974G	-33.31	2.4G	-32.96	2.49935G	-52.19	24.96063G	-42.86	1
BT-LE(2Mbps)	Pass	2.40196G	19.63	-10.37	740.58M	-52.66	2.39999G	-13.12	2.4G	-15.63	2.48373G	-51.64	24.66536G	-43.11	1

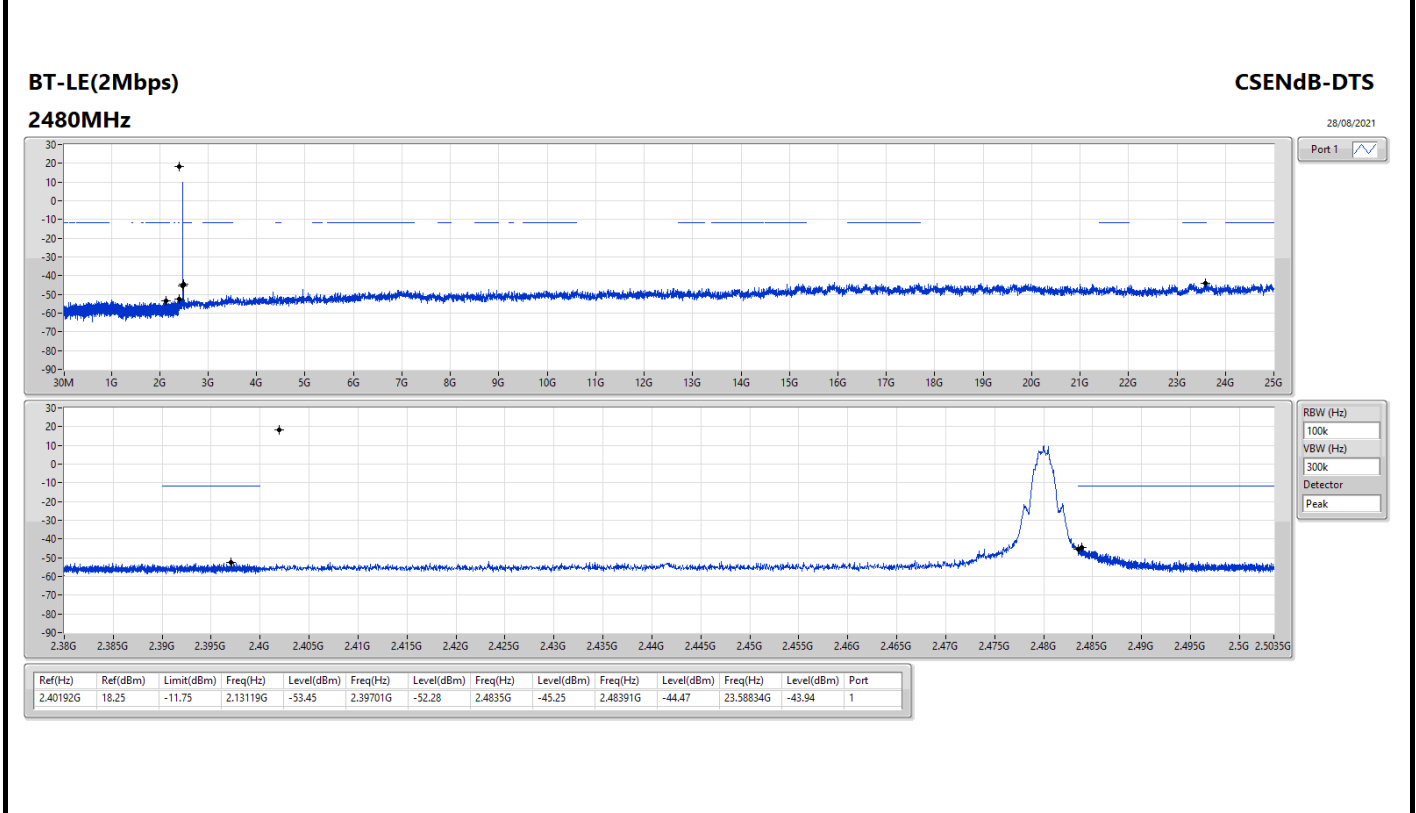
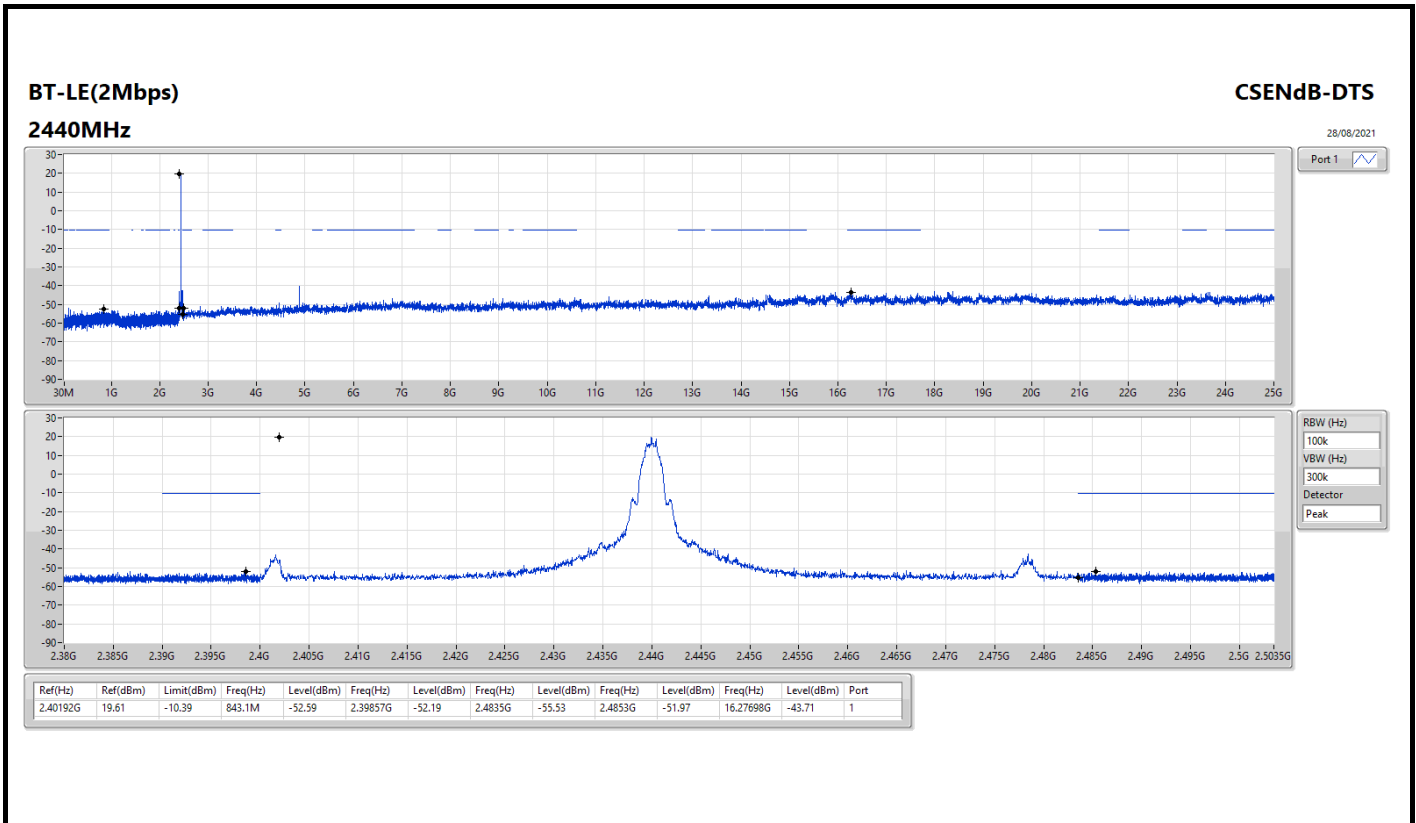


Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40192G	19.61	-10.39	159.84M	-51.73	2.39974G	-33.31	2.4G	-32.96	2.49935G	-52.19	24.96063G	-42.86	1
2440MHz	Pass	2.40192G	19.61	-10.39	888.34M	-52.94	2.39751G	-52.41	2.4835G	-53.91	2.49217G	-52.04	24.61194G	-42.08	1
2480MHz	Pass	2.40192G	19.61	-10.39	159.84M	-51.80	2.39639G	-52.30	2.4835G	-42.82	2.48359G	-42.59	24.93251G	-43.56	1
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40196G	19.63	-10.37	740.58M	-52.66	2.39999G	-13.12	2.4G	-15.63	2.48373G	-51.64	24.66536G	-43.11	1
2440MHz	Pass	2.40192G	19.61	-10.39	843.1M	-52.59	2.39857G	-52.19	2.4835G	-55.53	2.4853G	-51.97	16.27698G	-43.71	1
2480MHz	Pass	2.40192G	18.25	-11.75	2.13119G	-53.45	2.39701G	-52.28	2.4835G	-45.25	2.48391G	-44.47	23.58834G	-43.94	1





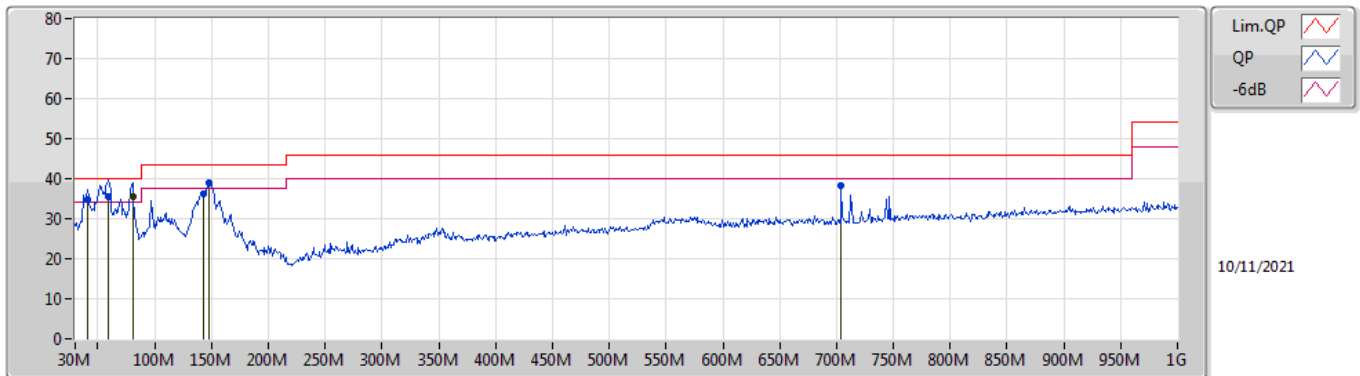




Summary

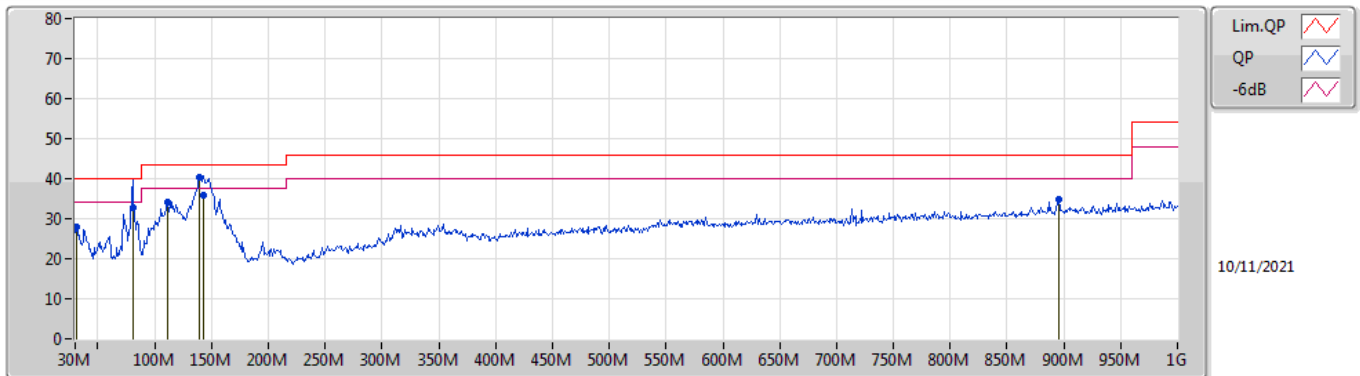
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 2	Pass	PK	139.61M	40.43	43.50	-3.07	Horizontal

Mode 2



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
QP	40.67M	34.68	40.00	-5.32	-12.32	3	Vertical	358	1.00	-	47.00	18.44	0.91	31.67
QP	59.1M	35.66	40.00	-4.34	-18.34	3	Vertical	357	1.25	"Worst"	54.00	12.31	1.18	31.83
Q[80.44M	35.52	40.00	-4.48	-17.78	3	Vertical	273	1.00	-	53.30	12.83	1.31	31.92
PK	142.52M	36.33	43.50	-7.17	-13.40	3	Vertical	0	1.00	-	49.73	16.75	1.81	31.96
PK	148.34M	39.11	43.50	-4.39	-13.80	3	Vertical	4	1.50	"	52.91	16.32	1.84	31.96
PK	704.15M	38.11	46.00	-7.89	-3.91	3	Vertical	151	2.00	-	42.02	24.53	4.21	32.65

Mode 2



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	30.97M	27.78	40.00	-12.22	-7.01	3	Horizontal	34	3.00	-	34.79	23.68	0.82	31.51
QP	80.44M	32.72	40.00	-7.28	-17.78	3	Horizontal	64	2.00	-	50.50	12.83	1.31	31.92
PK	111.48M	34.14	43.50	-9.36	-12.65	3	Horizontal	270	3.00	-	46.79	17.70	1.56	31.91
PK	139.61M	40.43	43.50	-3.07	-13.25	3	Horizontal	252	2.00	"Worst"	53.68	16.91	1.80	31.96
QP	143.49M	36.00	43.50	-7.50	-13.50	3	Horizontal	109	2.00	-	49.50	16.64	1.82	31.96
PK	895.24M	34.76	46.00	-11.24	-1.46	3	Horizontal	47	3.00	-	36.22	26.23	4.97	32.66

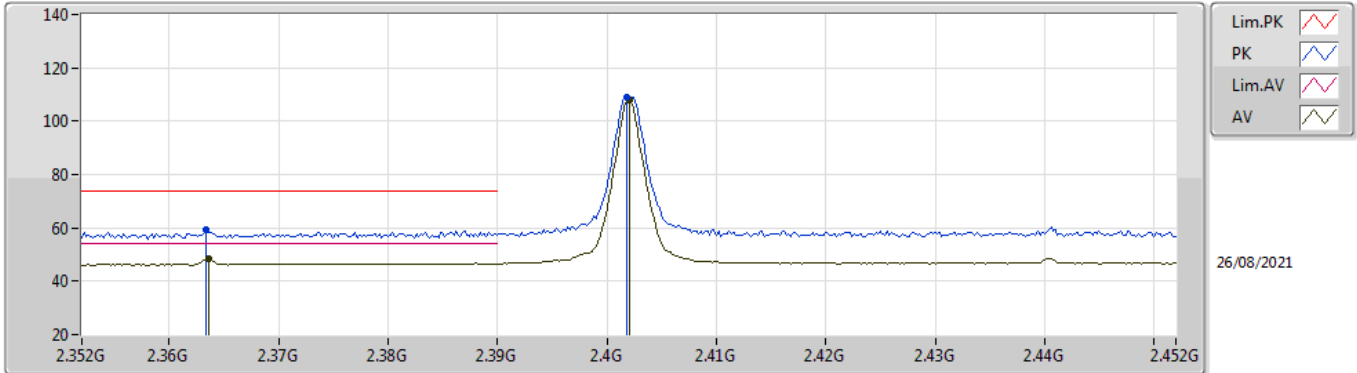


Summary

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	53.89	54.00	-0.11	3	Horizontal	75	2.00	-

BT-LE(1Mbps)

2402MHz_TX

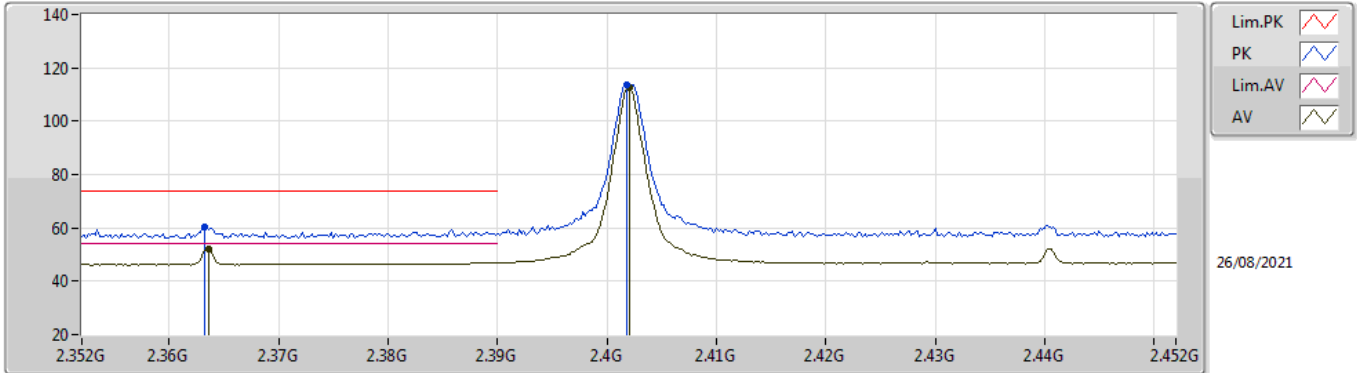


EUT_V_1TX
Setting 200
02-B-S-8

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	2.3634G	59.28	74.00	-14.72	28.53	3	Vertical	350	2.15	-	28.33	2.42	-
AV	2.3636G	48.61	54.00	-5.39	17.86	3	Vertical	350	2.15	-	28.33	2.42	-
PK	2.4018G	109.12	Inf	-Inf	78.32	3	Vertical	350	2.15	-	28.40	2.40	-
AV	2.402G	107.71	Inf	-Inf	76.91	3	Vertical	350	2.15	-	28.40	2.40	-

BT-LE(1Mbps)

2402MHz_TX

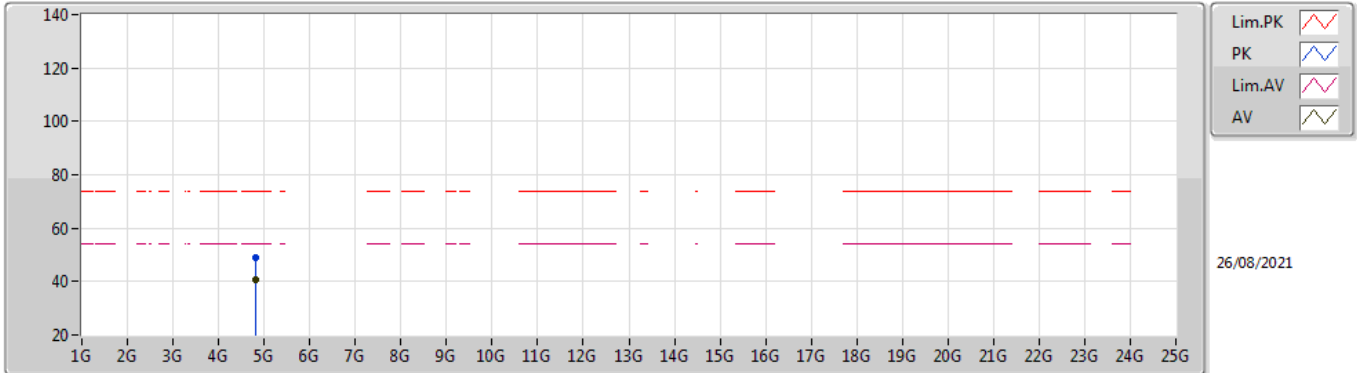


EUT_V_1TX
Setting 200
02-B-S-8

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	2.3632G	60.36	74.00	-13.64	29.61	3	Horizontal	89	1.84	-	28.33	2.42	-
AV	2.3636G	52.22	54.00	-1.78	21.47	3	Horizontal	89	1.84	-	28.33	2.42	-
PK	2.4018G	113.81	Inf	-Inf	83.01	3	Horizontal	89	1.84	-	28.40	2.40	-
AV	2.402G	112.39	Inf	-Inf	81.59	3	Horizontal	89	1.84	-	28.40	2.40	-

BT-LE(1Mbps)

2402MHz_TX

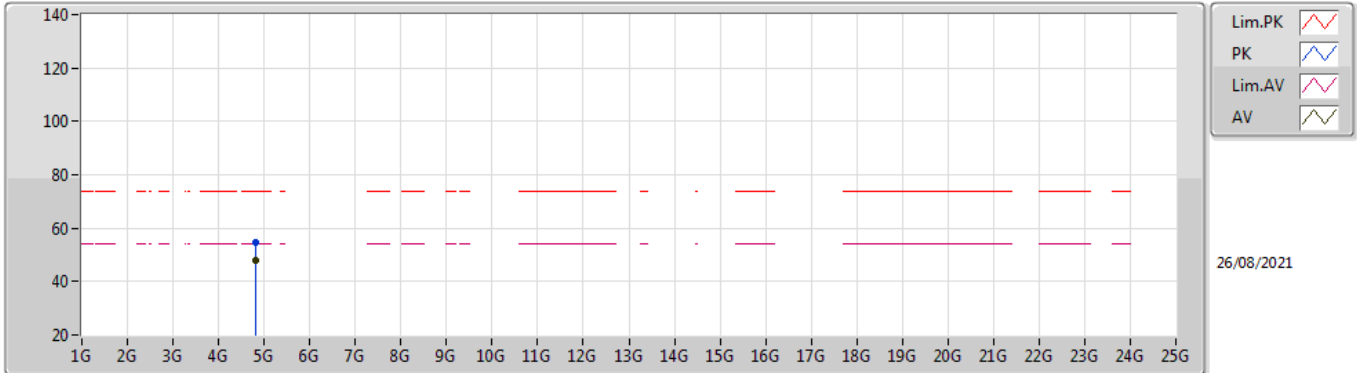


EUT Y_1TX
Setting 200
02-B-S-8

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	4.80355G	49.07	74.00	-24.93	43.89	3	Vertical	27	1.82	-	32.71	4.70	32.23
AV	4.8039G	40.84	54.00	-13.16	35.65	3	Vertical	27	1.82	-	32.72	4.70	32.23

BT-LE(1Mbps)

2402MHz_TX

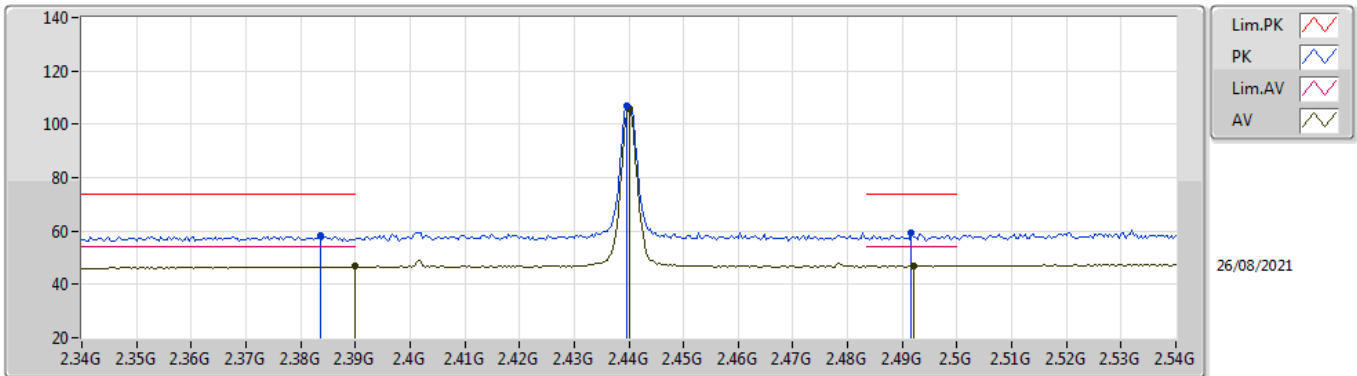


EUT Y_1TX
Setting 200
02-B-S-8

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	4.80446G	54.42	74.00	-19.58	49.23	3	Horizontal	107	1.27	-	32.72	4.70	32.23
AV	4.80401G	48.13	54.00	-5.87	42.94	3	Horizontal	107	1.27	-	32.72	4.70	32.23

BT-LE(1Mbps)

2440MHz_TX

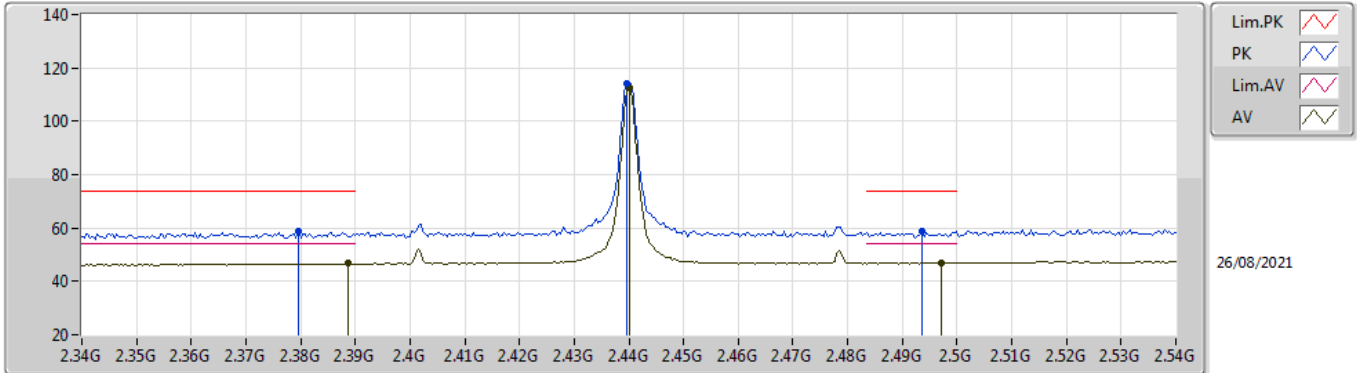


EUT_V_1TX
Setting 200
02-B-S-8

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	58.29	74.00	-15.71	27.51	3	Vertical	356	2.12	-	28.37	2.41	-
AV	2.39G	46.69	54.00	-7.31	15.90	3	Vertical	356	2.12	-	28.38	2.41	-
PK	2.4396G	107.09	Inf	-Inf	76.27	3	Vertical	356	2.12	-	28.40	2.42	-
AV	2.44G	105.67	Inf	-Inf	74.85	3	Vertical	356	2.12	-	28.40	2.42	-
PK	2.4916G	59.28	74.00	-14.72	28.26	3	Vertical	356	2.12	-	28.57	2.45	-
AV	2.492G	46.91	54.00	-7.09	15.89	3	Vertical	356	2.12	-	28.57	2.45	-

BT-LE(1Mbps)

2440MHz_TX

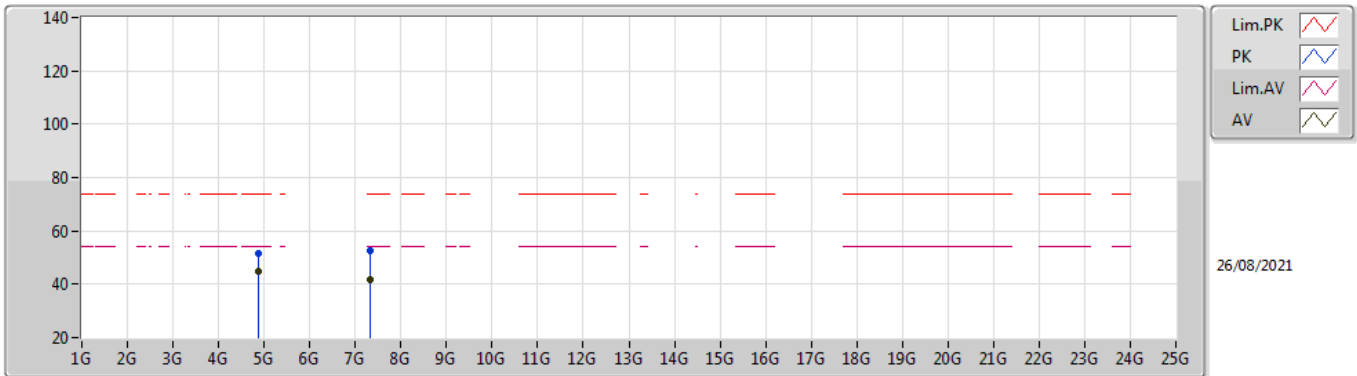


EUT_V_1TX
Setting 200
02-B-S-8

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	2.3796G	58.74	74.00	-15.26	27.97	3	Horizontal	71	2.25	-	28.36	2.41	-
AV	2.3888G	46.64	54.00	-7.36	15.85	3	Horizontal	71	2.25	-	28.38	2.41	-
PK	2.4396G	114.07	Inf	-Inf	83.25	3	Horizontal	71	2.25	-	28.40	2.42	-
AV	2.44G	112.58	Inf	-Inf	81.76	3	Horizontal	71	2.25	-	28.40	2.42	-
PK	2.4936G	58.73	74.00	-15.27	27.71	3	Horizontal	71	2.25	-	28.57	2.45	-
AV	2.4972G	47.00	54.00	-7.00	15.96	3	Horizontal	71	2.25	-	28.59	2.45	-

BT-LE(1Mbps)

2440MHz_TX

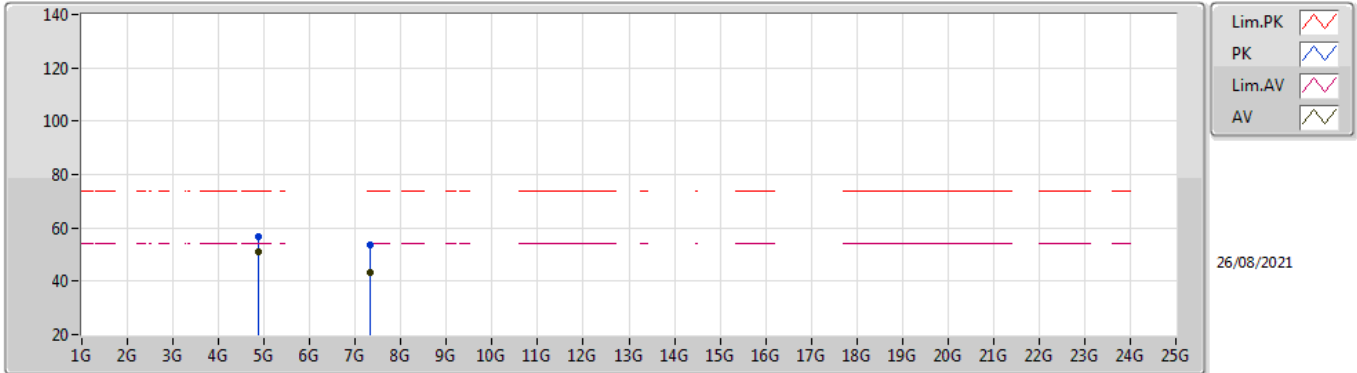


EUT Y_1TX
Setting 200
02-B-S-8

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	4.87948G	51.44	74.00	-22.56	45.98	3	Vertical	28	1.80	-	32.96	4.70	32.20
AV	4.87992G	44.60	54.00	-9.40	39.14	3	Vertical	28	1.80	-	32.96	4.70	32.20
PK	7.32056G	52.62	74.00	-21.38	43.26	3	Vertical	1	2.53	-	36.44	5.76	32.84
AV	7.31942G	41.81	54.00	-12.19	32.45	3	Vertical	1	2.53	-	36.44	5.76	32.84

BT-LE(1Mbps)

2440MHz_TX

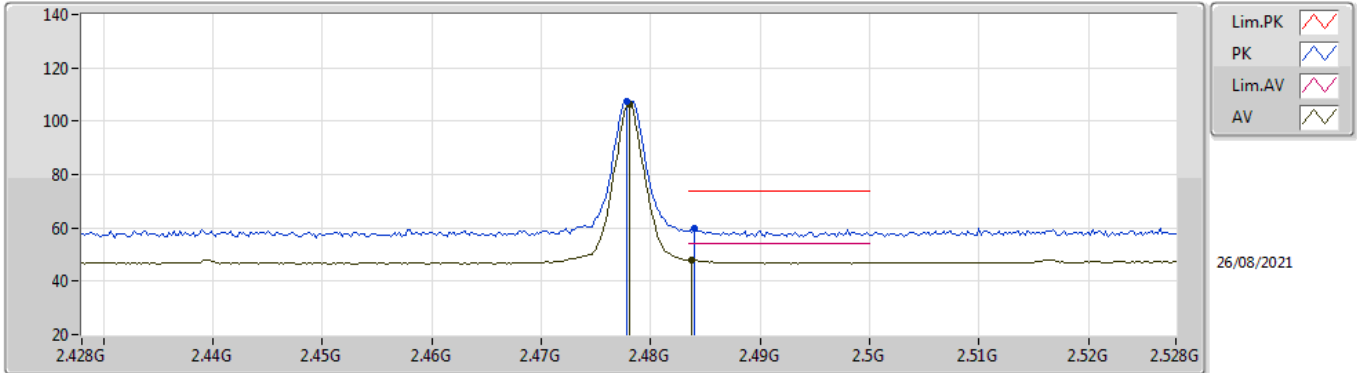


EUT Y_1TX
Setting 200
02-B-S-8

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	4.87948G	56.95	74.00	-17.05	51.49	3	Horizontal	108	1.23	-	32.96	4.70	32.20
AV	4.87994G	51.27	54.00	-2.73	45.81	3	Horizontal	108	1.23	-	32.96	4.70	32.20
PK	7.31918G	53.84	74.00	-20.16	44.48	3	Horizontal	60	1.80	-	36.44	5.76	32.84
AV	7.32041G	43.02	54.00	-10.98	33.66	3	Horizontal	60	1.80	-	36.44	5.76	32.84

BT-LE(1Mbps)

2478MHz_TX

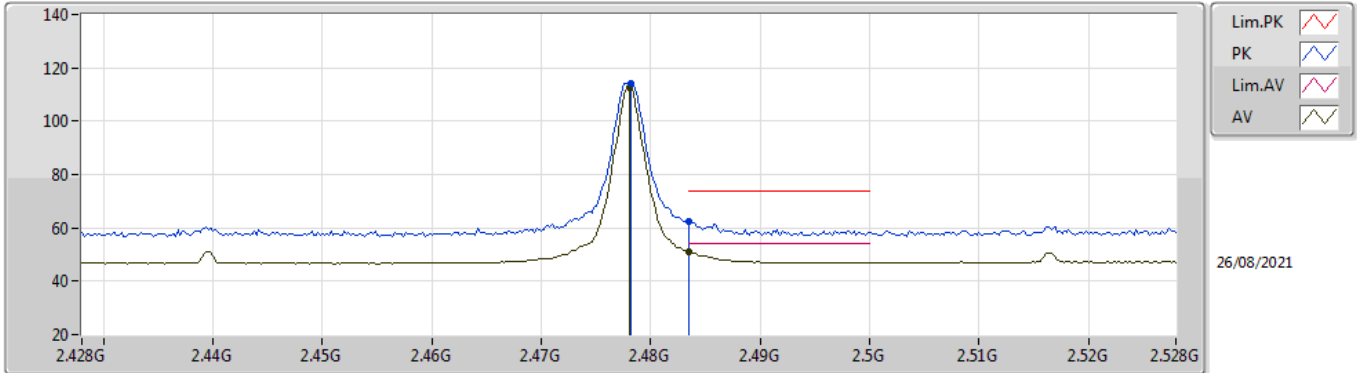


EUT Y_1TX
Setting 200
02-B-S-8

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	107.56	Inf	-Inf	76.61	3	Vertical	351	2.09	-	28.51	2.44	-
AV	2.478G	106.14	Inf	-Inf	75.19	3	Vertical	351	2.09	-	28.51	2.44	-
PK	2.484G	59.70	74.00	-14.30	28.72	3	Vertical	351	2.09	-	28.54	2.44	-
AV	2.4838G	47.95	54.00	-6.05	16.97	3	Vertical	351	2.09	-	28.54	2.44	-

BT-LE(1Mbps)

2478MHz_TX

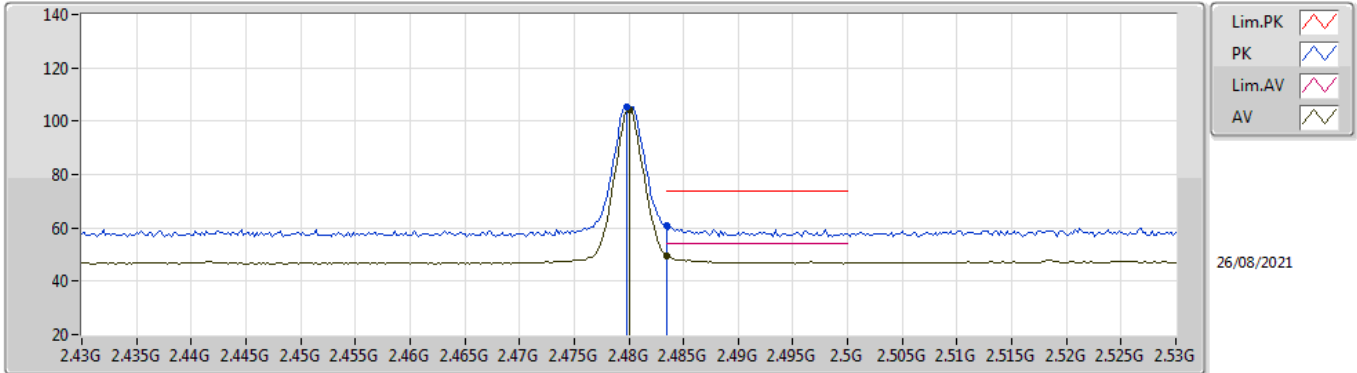


EUT_V_1TX
Setting 200
02-B-S-8

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	114.22	Inf	-Inf	83.27	3	Horizontal	68	1.23	-	28.51	2.44	-
AV	2.478G	112.84	Inf	-Inf	81.89	3	Horizontal	68	1.23	-	28.51	2.44	-
PK	2.4835G	62.58	74.00	-11.42	31.61	3	Horizontal	68	1.23	-	28.53	2.44	-
AV	2.4835G	50.93	54.00	-3.07	19.96	3	Horizontal	68	1.23	-	28.53	2.44	-

BT-LE(1Mbps)

2480MHz_TX

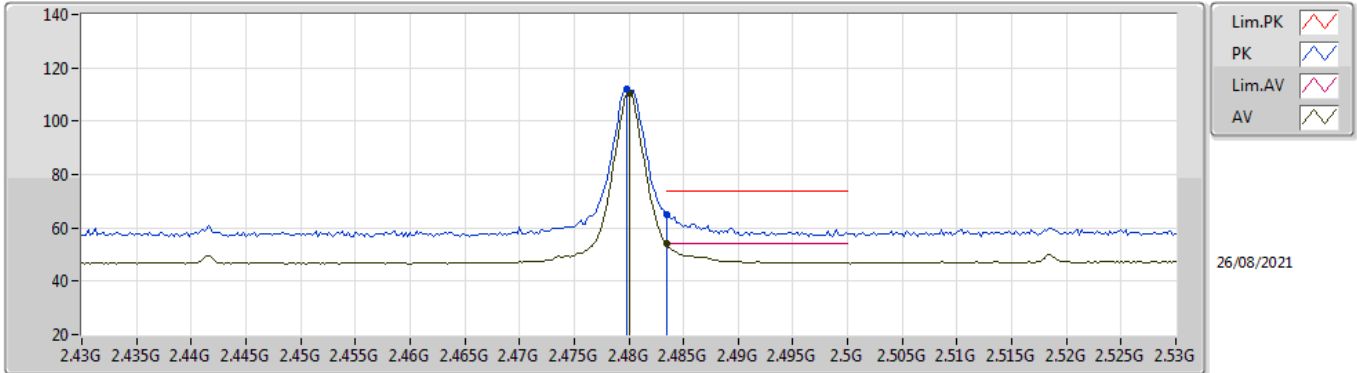


EUT Y_1TX
Setting 165
02-B-S-8

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	105.55	Inf	-Inf	74.59	3	Vertical	351	2.08	-	28.52	2.44	-
AV	2.48G	104.17	Inf	-Inf	73.21	3	Vertical	351	2.08	-	28.52	2.44	-
PK	2.4835G	60.73	74.00	-13.27	29.76	3	Vertical	351	2.08	-	28.53	2.44	-
AV	2.4835G	49.70	54.00	-4.30	18.73	3	Vertical	351	2.08	-	28.53	2.44	-

BT-LE(1Mbps)

2480MHz_TX

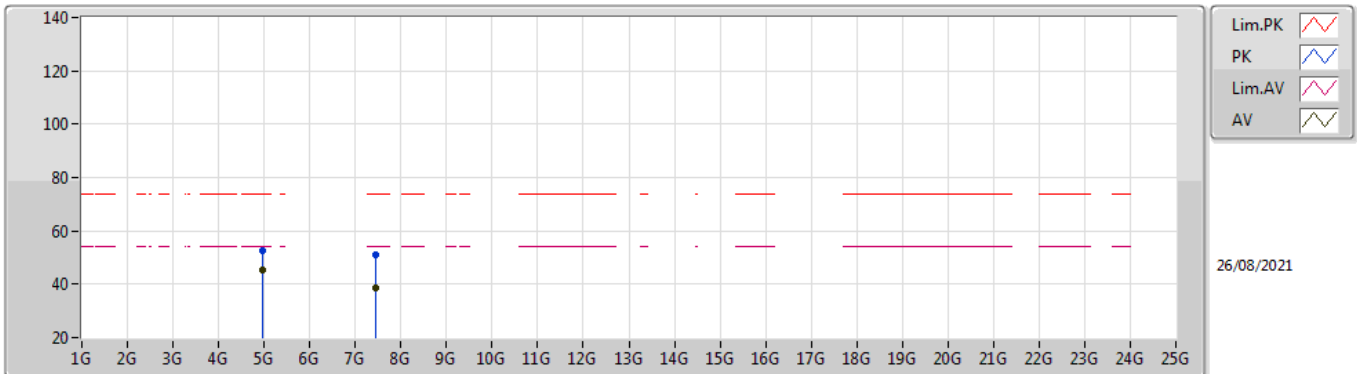


EUT_V_1TX
Setting 165
02-B-S-8

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	111.83	Inf	-Inf	80.87	3	Horizontal	75	2.00	-	28.52	2.44	-
AV	2.48G	110.42	Inf	-Inf	79.46	3	Horizontal	75	2.00	-	28.52	2.44	-
PK	2.4835G	64.82	74.00	-9.18	33.85	3	Horizontal	75	2.00	-	28.53	2.44	-
AV	2.4835G	53.89	54.00	-0.11	22.92	3	Horizontal	75	2.00	-	28.53	2.44	-

BT-LE(1Mbps)

2480MHz_TX

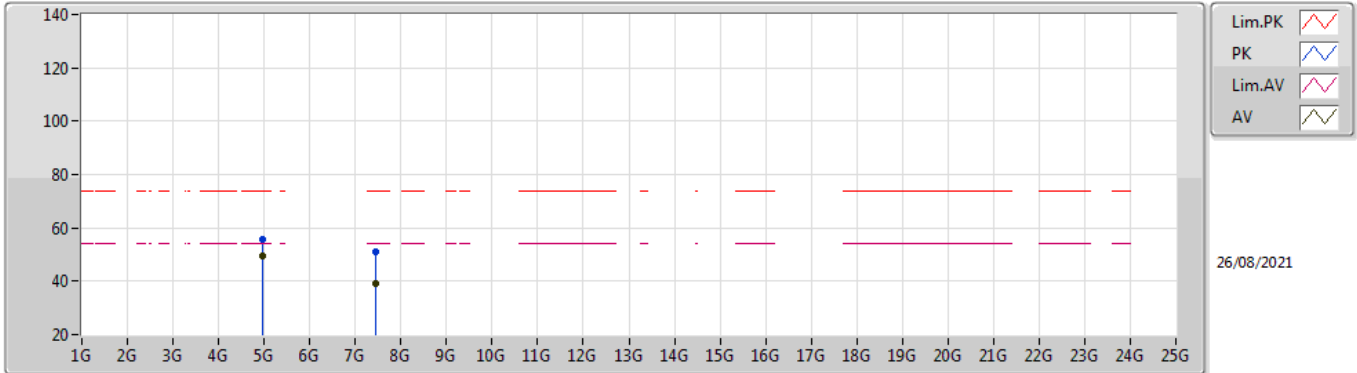


EUT Y_1TX
Setting 165
02-B-S-8

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	4.95951G	52.39	74.00	-21.61	46.58	3	Vertical	16	1.77	-	33.28	4.70	32.17
AV	4.95993G	45.34	54.00	-8.66	39.53	3	Vertical	16	1.77	-	33.28	4.70	32.17
PK	7.43917G	50.82	74.00	-23.18	41.50	3	Vertical	348	2.09	-	36.52	5.84	33.04
AV	7.4405G	38.43	54.00	-15.57	29.12	3	Vertical	348	2.09	-	36.52	5.84	33.05

BT-LE(1Mbps)

2480MHz_TX

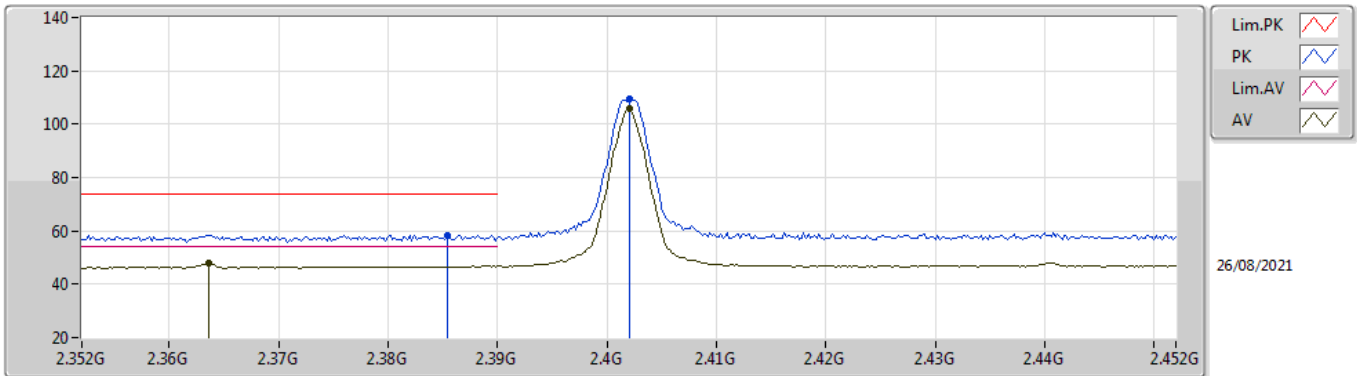


EUT Y_1TX
Setting 165
02-B-S-8

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	4.95949G	55.56	74.00	-18.44	49.75	3	Horizontal	63	1.80	-	33.28	4.70	32.17
AV	4.95996G	49.44	54.00	-4.56	43.63	3	Horizontal	63	1.80	-	33.28	4.70	32.17
PK	7.43905G	51.01	74.00	-22.99	41.69	3	Horizontal	74	1.93	-	36.52	5.84	33.04
AV	7.43939G	39.26	54.00	-14.74	29.94	3	Horizontal	74	1.93	-	36.52	5.84	33.04

BT-LE(2Mbps)

2402MHz_TX

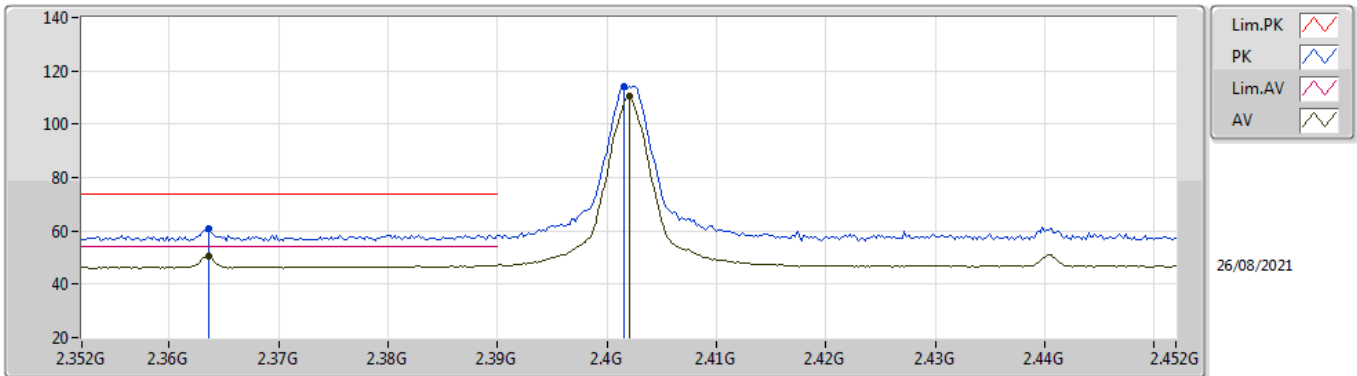


EUT Y_1TX
Setting 200
02-B-S-8

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	2.3854G	58.45	74.00	-15.55	27.67	3	Vertical	350	2.15	-	28.37	2.41	-
AV	2.3636G	48.07	54.00	-5.93	17.32	3	Vertical	350	2.15	-	28.33	2.42	-
PK	2.402G	109.23	Inf	-Inf	78.43	3	Vertical	350	2.15	-	28.40	2.40	-
AV	2.402G	105.70	Inf	-Inf	74.90	3	Vertical	350	2.15	-	28.40	2.40	-

BT-LE(2Mbps)

2402MHz_TX

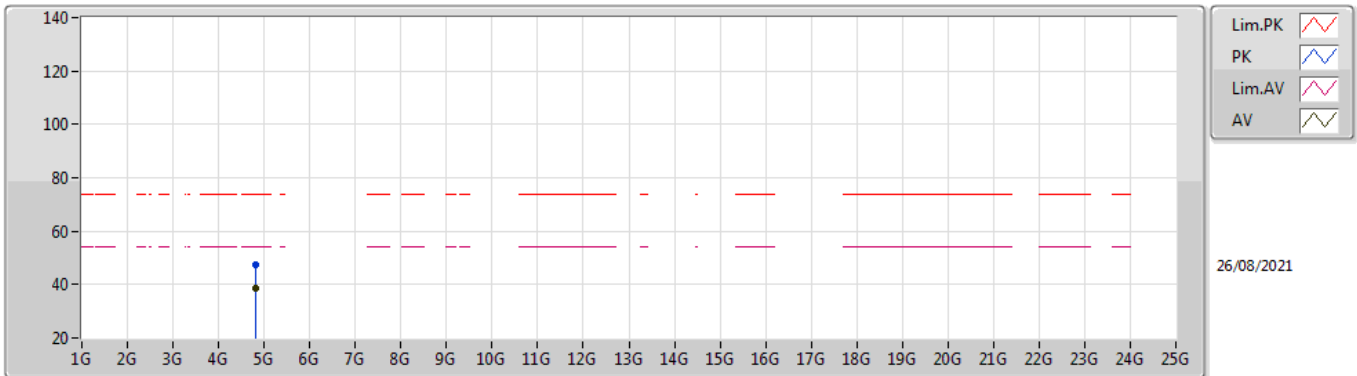


EUT_V_1TX
Setting 200
02-B-S-8

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	2.3636G	60.63	74.00	-13.37	29.88	3	Horizontal	82	1.64	-	28.33	2.42	-
AV	2.3636G	50.54	54.00	-3.46	19.79	3	Horizontal	82	1.64	-	28.33	2.42	-
PK	2.4016G	114.06	Inf	-Inf	83.26	3	Horizontal	82	1.64	-	28.40	2.40	-
AV	2.402G	110.50	Inf	-Inf	79.70	3	Horizontal	82	1.64	-	28.40	2.40	-

BT-LE(2Mbps)

2402MHz_TX

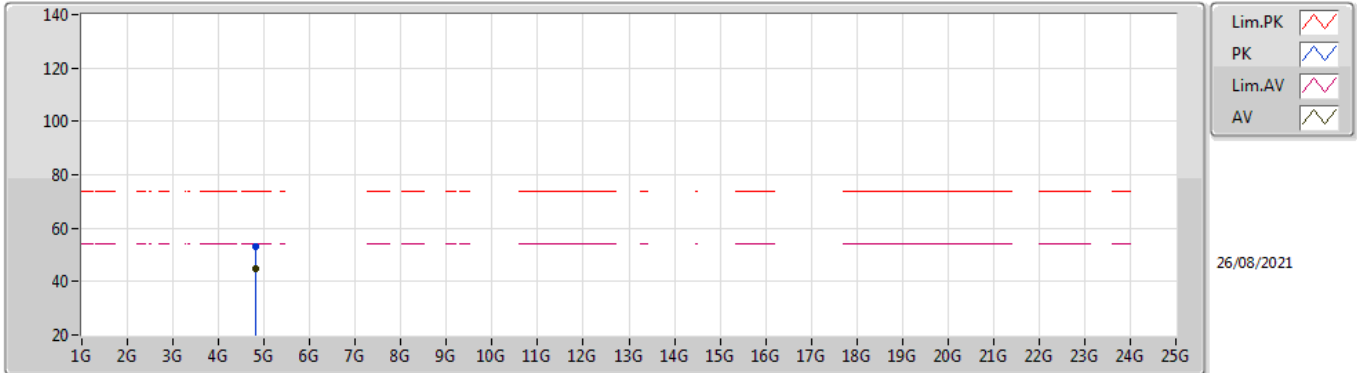


EUT Y_1TX
Setting 200
02-B-S-8

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	4.80778G	47.40	74.00	-26.60	42.20	3	Vertical	60	2.56	-	32.73	4.70	32.23
AV	4.80558G	38.74	54.00	-15.26	33.55	3	Vertical	60	2.56	-	32.72	4.70	32.23

BT-LE(2Mbps)

2402MHz_TX

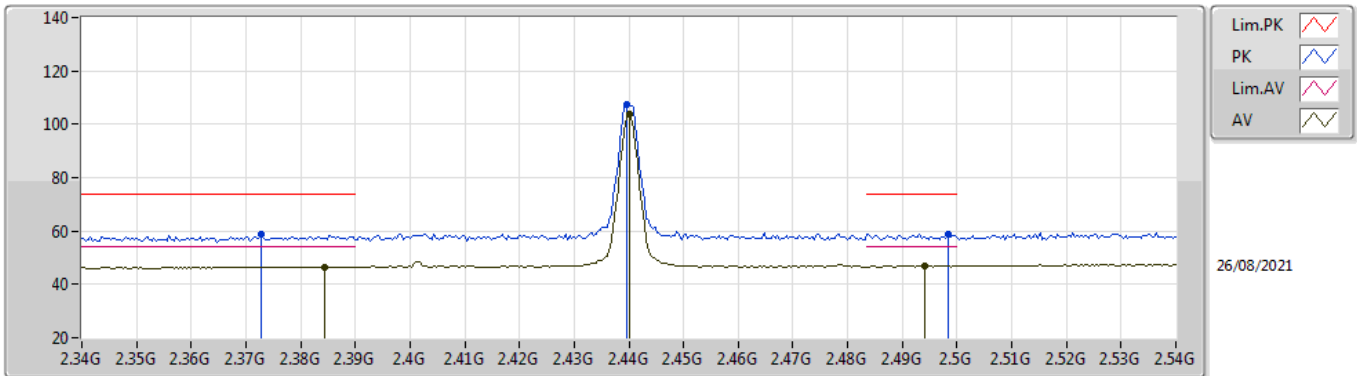


EUT Y_1TX
Setting 200
02-B-S-8

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	4.79964G	53.11	74.00	-20.89	47.94	3	Horizontal	272	2.56	-	32.70	4.70	32.23
AV	4.79984G	44.80	54.00	-9.20	39.63	3	Horizontal	272	2.56	-	32.70	4.70	32.23

BT-LE(2Mbps)

2440MHz_TX

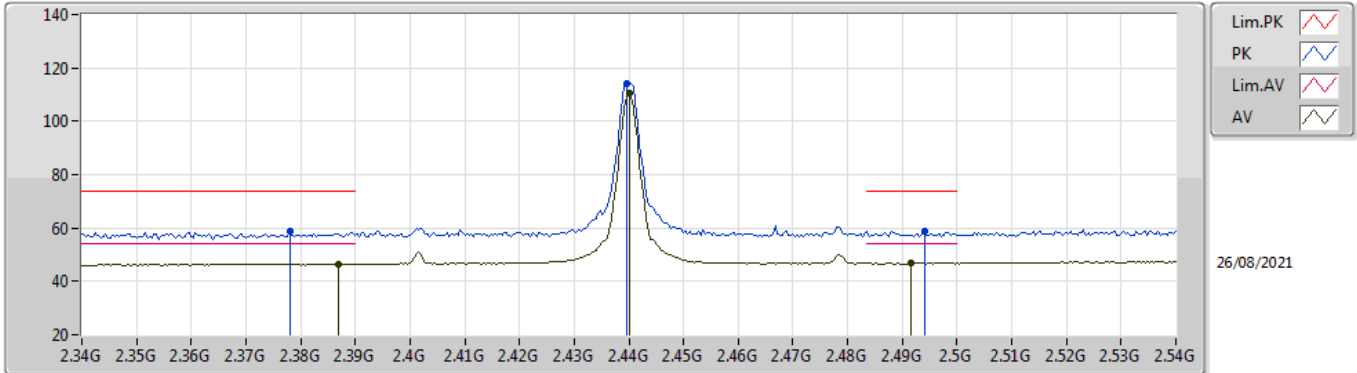


EUT_V_1TX
Setting 200
02-B-S-8

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	2.3728G	58.96	74.00	-15.04	28.20	3	Vertical	356	2.14	-	28.35	2.41	-
AV	2.3844G	46.59	54.00	-7.41	15.81	3	Vertical	356	2.14	-	28.37	2.41	-
PK	2.4396G	107.20	Inf	-Inf	76.38	3	Vertical	356	2.14	-	28.40	2.42	-
AV	2.44G	103.60	Inf	-Inf	72.78	3	Vertical	356	2.14	-	28.40	2.42	-
PK	2.4984G	58.77	74.00	-15.23	27.73	3	Vertical	356	2.14	-	28.59	2.45	-
AV	2.494G	46.95	54.00	-7.05	15.92	3	Vertical	356	2.14	-	28.58	2.45	-

BT-LE(2Mbps)

2440MHz_TX

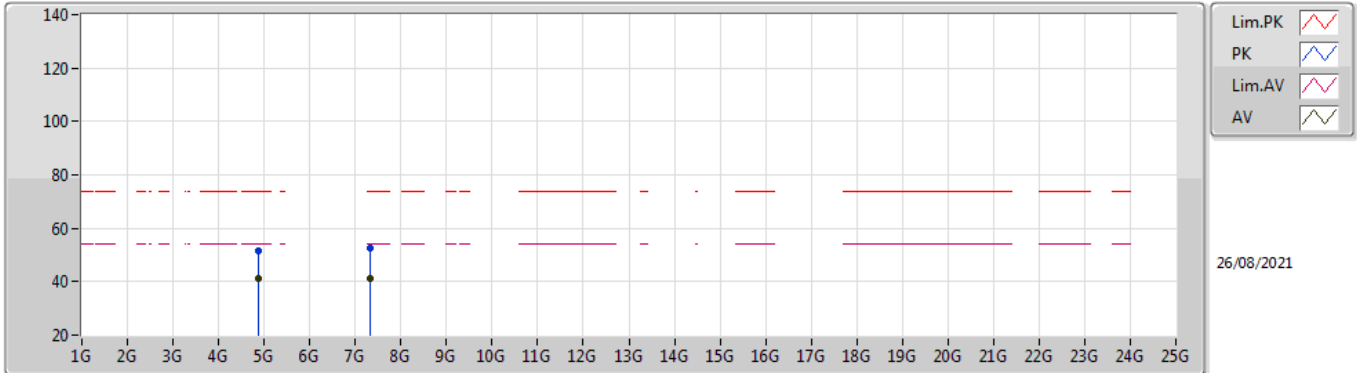


EUT_V_1TX
Setting 200
02-B-S-8

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	2.378G	58.84	74.00	-15.16	28.07	3	Horizontal	71	2.25	-	28.36	2.41	-
AV	2.3868G	46.58	54.00	-7.42	15.80	3	Horizontal	71	2.25	-	28.37	2.41	-
PK	2.4396G	114.15	Inf	-Inf	83.33	3	Horizontal	71	2.25	-	28.40	2.42	-
AV	2.44G	110.61	Inf	-Inf	79.79	3	Horizontal	71	2.25	-	28.40	2.42	-
PK	2.494G	58.70	74.00	-15.30	27.67	3	Horizontal	71	2.25	-	28.58	2.45	-
AV	2.4916G	46.88	54.00	-7.12	15.86	3	Horizontal	71	2.25	-	28.57	2.45	-

BT-LE(2Mbps)

2440MHz_TX

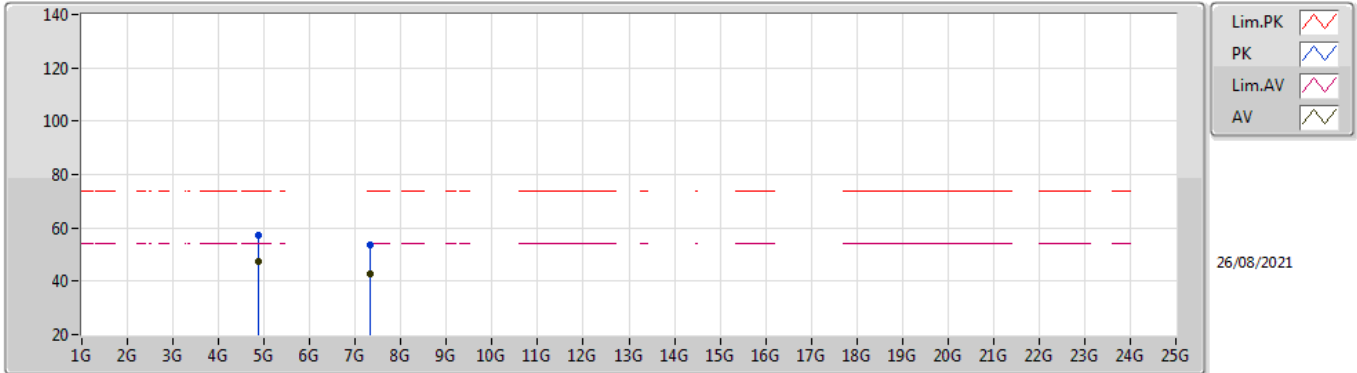


EUT Y_1TX
Setting 200
02-B-S-8

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	4.87902G	51.77	74.00	-22.23	46.31	3	Vertical	26	1.79	-	32.96	4.70	32.20
AV	4.88094G	41.27	54.00	-12.73	35.81	3	Vertical	26	1.79	-	32.96	4.70	32.20
PK	7.32134G	52.74	74.00	-21.26	43.38	3	Vertical	2	2.22	-	36.44	5.76	32.84
AV	7.32096G	41.28	54.00	-12.72	31.92	3	Vertical	2	2.22	-	36.44	5.76	32.84

BT-LE(2Mbps)

2440MHz_TX

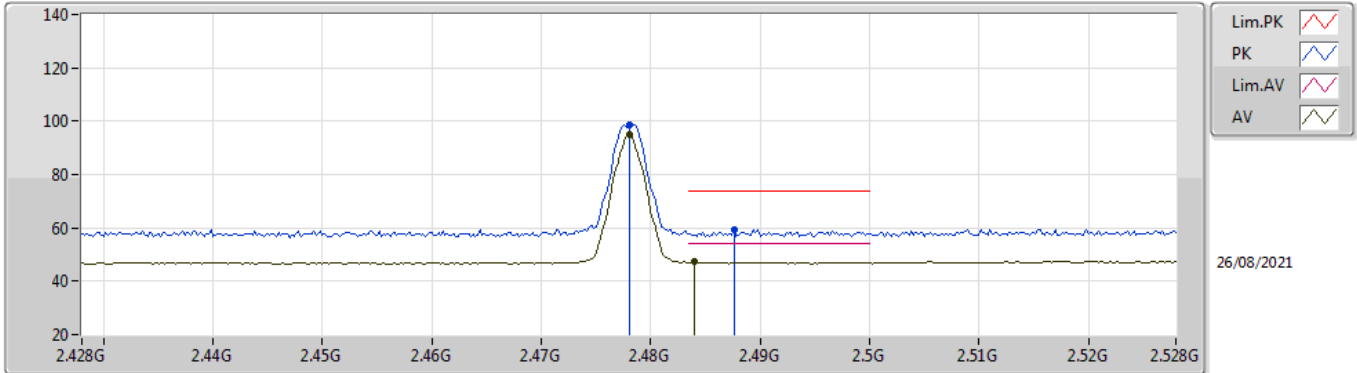


EUT Y_1TX
Setting 200
02-B-S-8

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	4.88091G	57.11	74.00	-16.89	51.65	3	Horizontal	107	1.78	-	32.96	4.70	32.20
AV	4.88092G	47.16	54.00	-6.84	41.70	3	Horizontal	107	1.78	-	32.96	4.70	32.20
PK	7.31835G	53.57	74.00	-20.43	44.20	3	Horizontal	59	1.77	-	36.44	5.76	32.83
AV	7.32103G	42.61	54.00	-11.39	33.25	3	Horizontal	59	1.77	-	36.44	5.76	32.84

BT-LE(2Mbps)

2478MHz_TX

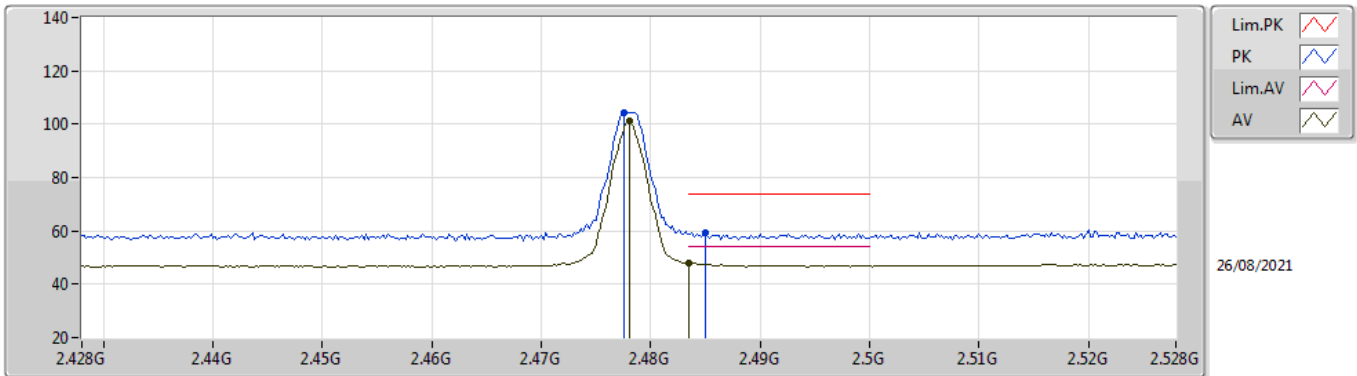


EUT Y_1TX
Setting 200
02-B-S-8

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	2.478G	98.43	Inf	-Inf	67.48	3	Vertical	350	2.07	-	28.51	2.44	-
AV	2.478G	95.03	Inf	-Inf	64.08	3	Vertical	350	2.07	-	28.51	2.44	-
PK	2.4876G	59.54	74.00	-14.46	28.55	3	Vertical	350	2.07	-	28.55	2.44	-
AV	2.484G	47.16	54.00	-6.84	16.18	3	Vertical	350	2.07	-	28.54	2.44	-

BT-LE(2Mbps)

2478MHz_TX

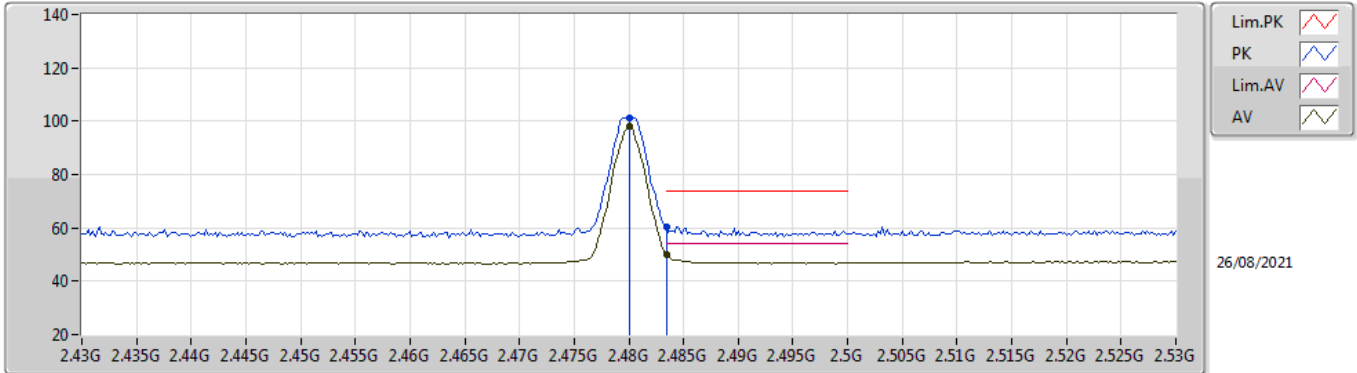


EUT_V_1TX
Setting 200
02-B-S-8

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	104.49	Inf	-Inf	73.54	3	Horizontal	65	2.18	-	28.51	2.44	-
AV	2.478G	101.05	Inf	-Inf	70.10	3	Horizontal	65	2.18	-	28.51	2.44	-
PK	2.485G	59.41	74.00	-14.59	28.43	3	Horizontal	65	2.18	-	28.54	2.44	-
AV	2.4835G	48.01	54.00	-5.99	17.04	3	Horizontal	65	2.18	-	28.53	2.44	-

BT-LE(2Mbps)

2480MHz_TX

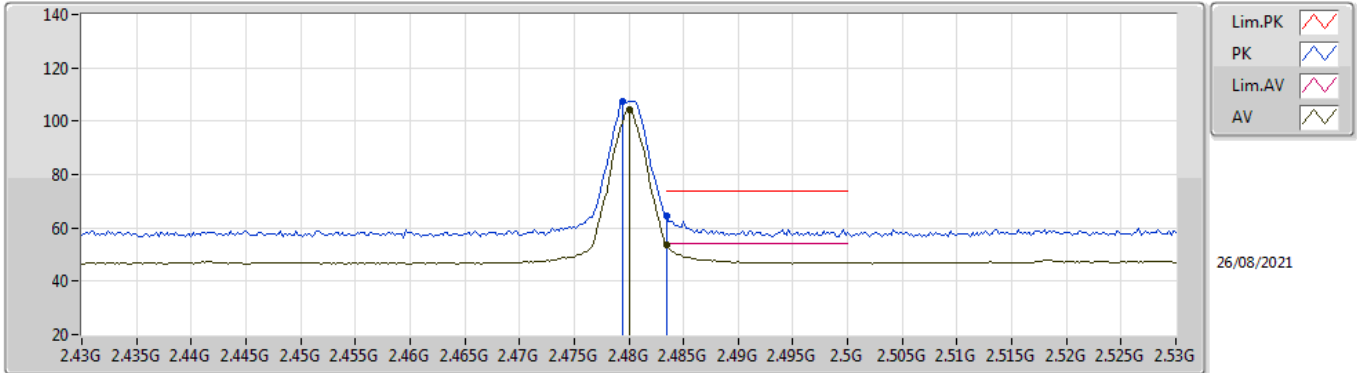


EUT_V_1TX
Setting 115
02-B-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.48G	101.46	Inf	-Inf	70.50	3	Vertical	351	2.09	-	28.52	2.44	-
AV	2.48G	97.86	Inf	-Inf	66.90	3	Vertical	351	2.09	-	28.52	2.44	-
PK	2.4835G	60.33	74.00	-13.67	29.36	3	Vertical	351	2.09	-	28.53	2.44	-
AV	2.4835G	49.91	54.00	-4.09	18.94	3	Vertical	351	2.09	-	28.53	2.44	-

BT-LE(2Mbps)

2480MHz_TX

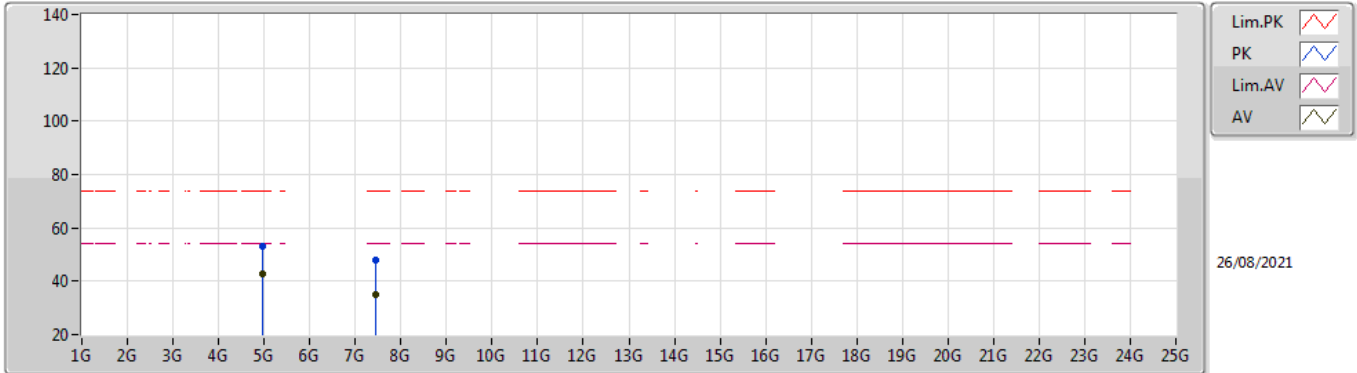


EUT_V_1TX
Setting 115
02-B-S-8

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	107.64	Inf	-Inf	76.68	3	Horizontal	71	1.97	-	28.52	2.44	-
AV	2.48G	104.17	Inf	-Inf	73.21	3	Horizontal	71	1.97	-	28.52	2.44	-
PK	2.4835G	64.56	74.00	-9.44	33.59	3	Horizontal	71	1.97	-	28.53	2.44	-
AV	2.4835G	53.84	54.00	-0.16	22.87	3	Horizontal	71	1.97	-	28.53	2.44	-

BT-LE(2Mbps)

2480MHz_TX

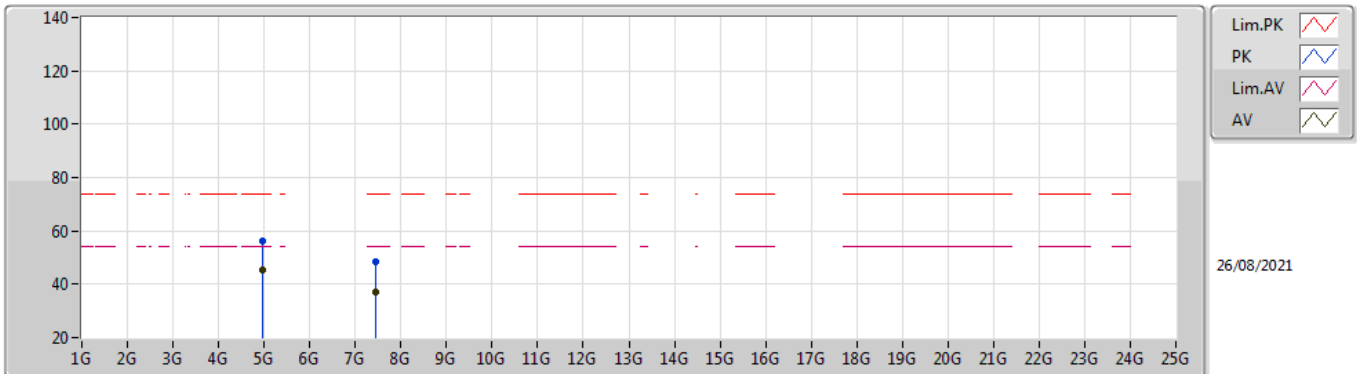


EUT Y_1TX
Setting 115
02-B-S-8

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	4.9573G	52.94	74.00	-21.06	47.13	3	Vertical	305	1.49	-	33.29	4.70	32.18
AV	4.9596G	42.79	54.00	-11.21	36.98	3	Vertical	305	1.49	-	33.28	4.70	32.17
PK	7.4371G	47.89	74.00	-26.11	38.56	3	Vertical	324	2.54	-	36.53	5.84	33.04
AV	7.44146G	35.05	54.00	-18.95	25.74	3	Vertical	324	2.54	-	36.52	5.84	33.05

BT-LE(2Mbps)

2480MHz_TX



EUT Y_1TX
Setting 115
02-B-S-8

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	4.95646G	56.14	74.00	-17.86	50.33	3	Horizontal	155	2.99	-	33.29	4.70	32.18
AV	4.95764G	45.46	54.00	-8.54	39.66	3	Horizontal	155	2.99	-	33.28	4.70	32.18
PK	7.443G	48.47	74.00	-25.53	39.17	3	Horizontal	99	2.31	-	36.51	5.84	33.05
AV	7.44172G	37.30	54.00	-16.70	27.99	3	Horizontal	99	2.31	-	36.52	5.84	33.05