

NCC Radio Test Report

Equipment : Webex Desk Mini
Brand Name : CISCO
Model Name : TTC9-01
Applicant : 台灣思科系統股份有限公司
臺北市信義區信義路 4 段 460 號 12 樓
Manufacturer : Cisco Systems, Inc.
170 West Tasman Drive, San Jose, CA 95134, USA
Standard : LP0002 Section 4.10 (2020-07-01)

The product was received on Dec. 14, 2021, and testing was started from Dec. 23, 2021 and completed on Jan. 08, 2022. We, SPORTON INTERNATIONAL INC. Hsinhua 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. Hsinhua Laboratory, the test report shall not be reproduced except in full.



Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)

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TEL : 886-3-3273456
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Report Template No.: HE1-C9 Ver4.2

Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	4.10.1.4	Antenna Requirement	PASS	-
3.1	3.3	AC Power-line Conducted Emissions	PASS	-
3.2	4.10.1.6	20dB Bandwidth	PASS	-
3.2	4.10.1.6	Carrier Frequency Separation	PASS	-
3.3	4.10.1.2	Maximum Conducted Output Power	PASS	-
3.4	4.10.1.6	Number of Hopping Frequencies and Hopping Bandedge	PASS	-
3.5	4.10.1.6	Time of Occupancy (Dwell Time)	PASS	-
3.6	4.10.1.5	Emissions in Non-restricted Frequency Bands	PASS	-
3.7	4.10.1.5	Emissions in Restricted Frequency Bands	PASS	-
3.8	3.9	Receiver Radiated Unwanted Emissions	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:

None

Reviewed by: Ben Tseng

Report Producer: Debby Hung

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	Bluetooth Version	Ch. Frequency (MHz)	Channel Number
2400-2483.5	BR / EDR	2402-2480	0-78 [79]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	BT-BR(1Mbps)	1	1TX
2.4-2.4835GHz	BT-EDR(2Mbps)	1	1TX
2.4-2.4835GHz	BT-EDR(3Mbps)	1	1TX

Note:

- ♦ Bluetooth BR uses a GFSK (1Mbps).
- ♦ Bluetooth EDR uses a combination of $\pi/4$ -DQPSK (2Mbps) and 8DPSK (3Mbps).
- ♦ Bluetooth BR/EDR uses as a system using FHSS modulation.
- ♦ BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	Amphenol	Bandai WLAN 1	PCB	I-PEX
2	Amphenol	Bandai WLAN 2	PCB	I-PEX

Ant.	Port	Gain (dBi)					
		2.4G	5G				BT
			U-NII-1	U-NII-2A	U-NII-2C	U-NII-3	
1	1	5.0	2.7	2.4	3.7	3.1	-
2	2	4.9	3.7	3.7	4.9	4.0	4.9

Note 1: The EUT has two antennas.

For 2.4GHz function:

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

Support diversity function and pre-tested on each single chain, the worst case was Ant. 2 (port 2) and it was recorded in this test report.

For IEEE 802.11n mode (2TX/2RX)

Ant. 1 (port 1) and Ant. 2 (port 2) could transmit/receive simultaneously.

For BT function:

For IEEE 802.15.1 Bluetooth mode (1TX/1RX)

Only Ant.2 (port 2) can be used as transmitting/receiving.

For 5GHz function:

For IEEE 802.11 a mode (1TX/1RX)

Support diversity function and pre-tested on each single chain, the worst case was Ant. 1 (port 1) and it was recorded in this test report.

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

Ant. 1 (port 1) and Ant. 2 (port 2) could transmit/receive simultaneously

1.1.3 EUT Information

Operational Condition	
EUT Power Type	From Switching Power Supply
EUT Function	☒ Point-to-multipoint ☐ Point-to-point
Type of EUT	
☒	Stand-alone
☐	Combined (EUT where the radio part is fully integrated within another device)
	Combined Equipment - Brand Name / Model No.: ...
☐	Plug-in radio (EUT intended for a variety of host systems)
	Host System - Brand Name / Model No.: ...
☐	Other:

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
BT-BR(1Mbps)	0.751	1.24	2.924m	1k
BT-EDR(2Mbps)	0.758	1.2	2.926m	1k
BT-EDR(3Mbps)	0.753	1.23	2.928m	1k

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

1.2 Testing Applied Standards

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

- ♦ LP0002 (2020-07-01)
- ♦ ANSI C63.10-2013
- ♦ ANSI C63.4-2014

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

- ♦ KDB 558074 D01 v05r02
- ♦ KDB 414788 D01 v01r01

1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
☒ Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)			
	TEL: 886-3-327-3456	FAX: 886-3-327-0973		
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Daniel Lin	20.1~21.0°C / 56~59%	08/Jan/2022
RF Conducted	TH06-HY	Johnny Yu	20.3~24.6°C / 50~60%	29/Dec/2021~30/Dec/2021
Radiated	03CH02-HY	Daniel Lin	20.3~24.1°C / 55~58%	23/Dec/2021~07/Jan/2022
☐ Wen 33rd.St. (TAF: 3785)	ADD: No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)			
	TEL: 886-3-318-0787	FAX: 886-3-318-0287		

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)	0.9 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	2.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.0 dB	Confidence levels of 95%
Temperature	0.41 °C	Confidence levels of 95%
Humidity	3.4 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Test Software Version	Dos v6.1
-----------------------	----------

Mode	Power Setting
BT-BR(1Mbps)	-
2402MHz	0s09
2440MHz	0x09
2480MHz	0x09
BT-EDR(2Mbps)	-
2402MHz	0x09
2440MHz	0x09
2480MHz	0x09
BT-EDR(3Mbps)	-
2402MHz	0x09
2440MHz	0x09
2480MHz	0x09

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: 110Vac / 60Hz
Operating Mode	CTX/CRX
1	Switching Power Supply- TX
2	Switching Power Supply- RX

The Worst Case Mode for Following Conformance Tests	
Tests Item	20dB Bandwidth Carrier Frequency Separation Maximum Conducted Output Power Number of Hopping Frequencies Hopping Bandedge Time of Occupancy (Dwell Time) Emissions in Non-restricted Frequency Bands
Test Condition	Conducted measurement at transmit chains ☒ Non-adaptive frequency hopping systems (Non-AFH) ☒ adaptive frequency hopping systems (AFH)
Non-AFH Mode configuration was found to be the worst case and measured during the test.	

The Worst Case Mode for Following Conformance Tests			
Tests Item	Emissions in Restricted Frequency Bands Receiver Radiated Spurious Emissions		
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/CRX		
1	Switching Power Supply		
Operating Mode > 1GHz	CTX/CRX		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT		V	

2.3 Accessories

Accessories				
RJ45 Cable	Brand Name	CISCO	Model Name	72-101042-01
	Signal Line	3.0 meter, shielded cable, w/o ferrite core		
USB-C Cable	Brand Name	CISCO	Model Name	72-101585-01
	Signal Line	1.7 meter, shielded cable, w/o ferrite core		

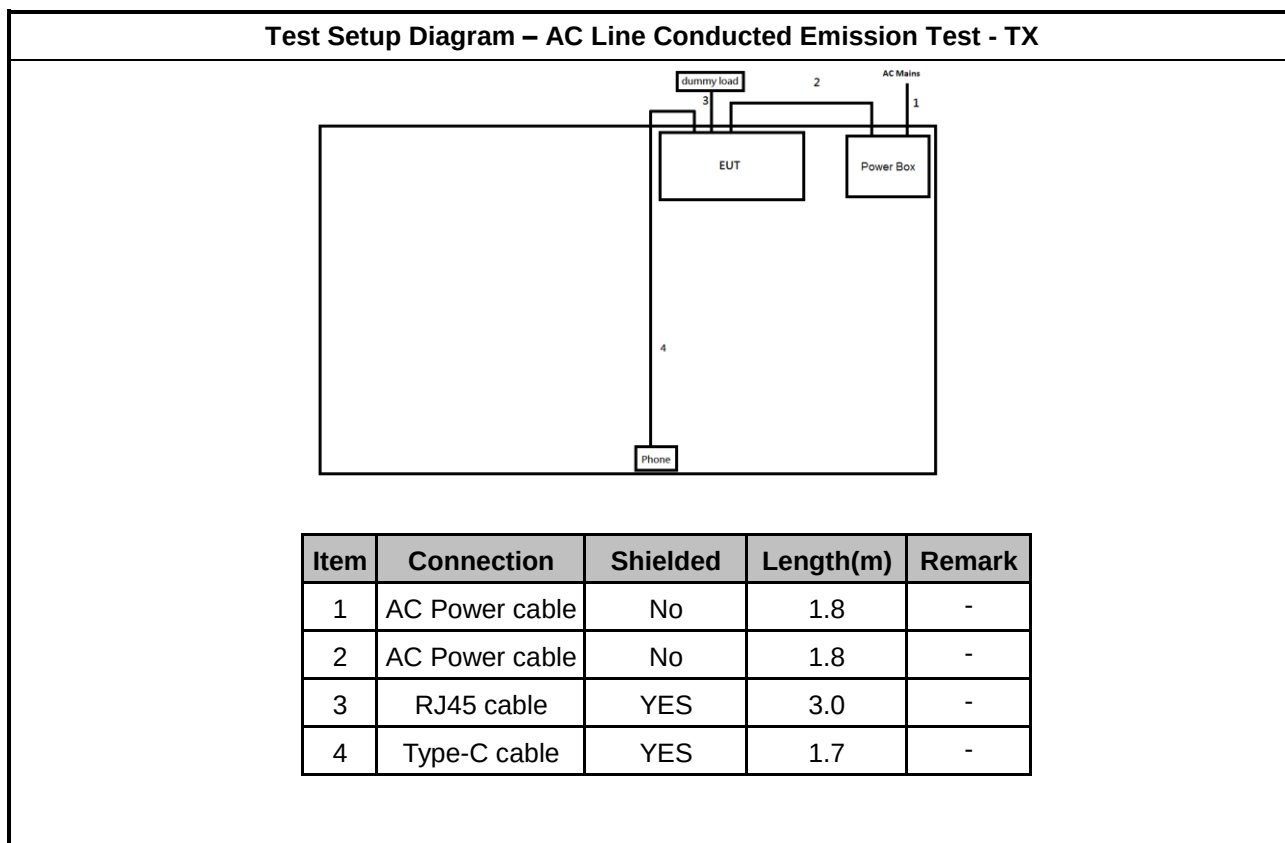
Reminder: Regarding to more detail and other information, please refer to user manual.

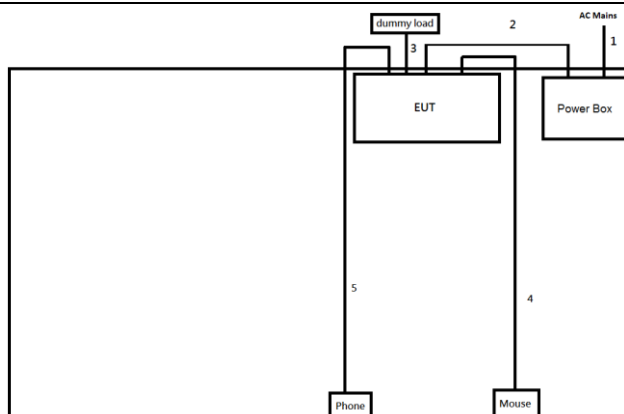
2.4 Support Equipment

Support Equipment – AC Conduction and Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	PW-GPC180-3	Power sync	PW-GPC180-3	-	-
2	dummy load	Sporton	Sporton	-	-
3	Mouse	DELL	MS111-P	-	-
4	Phone	Samsung	SM-G973F/DS	-	-

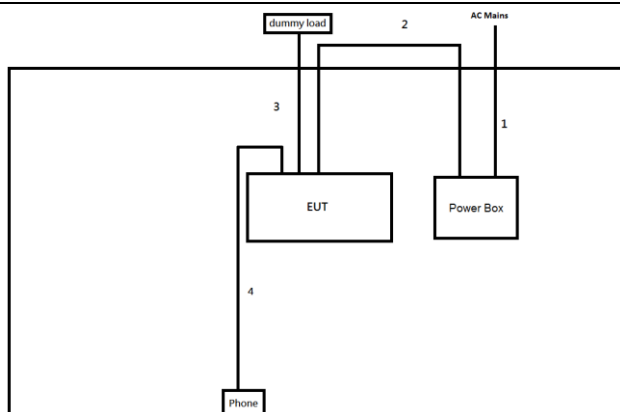
Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-

2.5 Test Setup Diagram

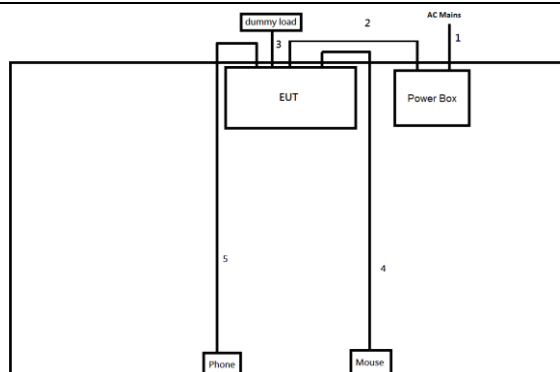


Test Setup Diagram – AC Line Conducted Emission Test - RX


Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	AC Power cable	No	1.8	-
3	RJ45 cable	YES	3.0	-
4	Mouse USB cable	YES	1.5	-
5	Type-C cable	YES	1.7	-

Test Setup Diagram - Radiated Test - TX


Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	AC Power cable	No	1.8	-
3	RJ45 cable	YES	3.0	-
4	Type-C cable	YES	1.7	-

Test Setup Diagram - Radiated Test - RX


Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	AC Power cable	No	1.8	-
3	RJ45 cable	YES	3.0	-
4	Mouse USB cable	YES	1.5	-
5	Type-C cable	YES	1.7	-

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

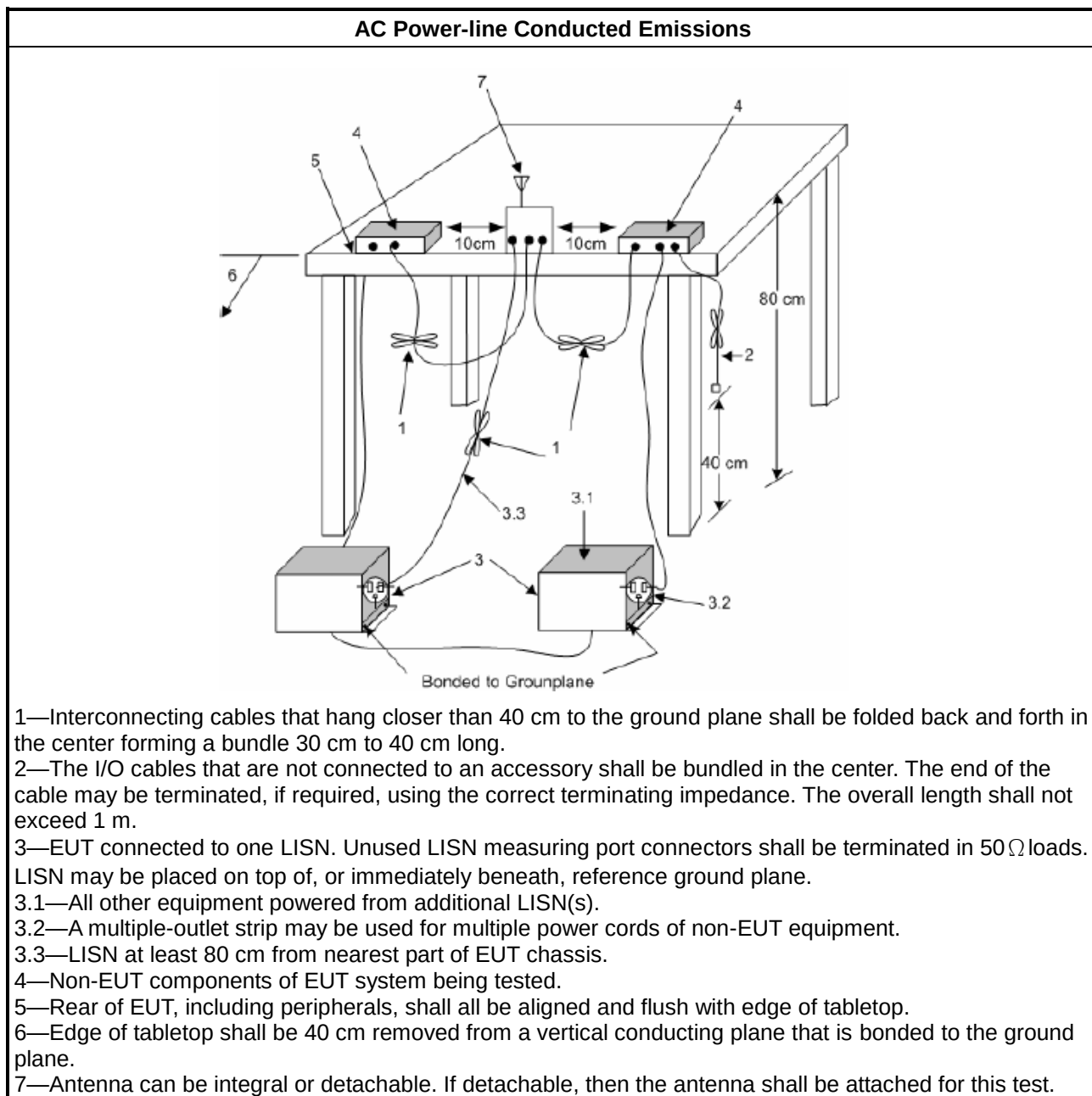
Test Method
▪ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.5 Test Setup



3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 20dB Bandwidth and Carrier Frequency Separation

3.2.1 20dB Bandwidth and Carrier Frequency Separation Limit

20dB Bandwidth and Carrier Frequency Separation Limit for Frequency Hopping Systems	
2400-2483.5 MHz Band:	
	$N \geq 75$ and $ChS \geq MAX$ (20 dB bandwidth, 25 kHz).
	$75 > N \geq 15$ and $ChS \geq MAX$ (20 dB bandwidth 2/3, 25 kHz).
N: Number of Hopping Frequencies; ChS: Hopping Channel Separation	

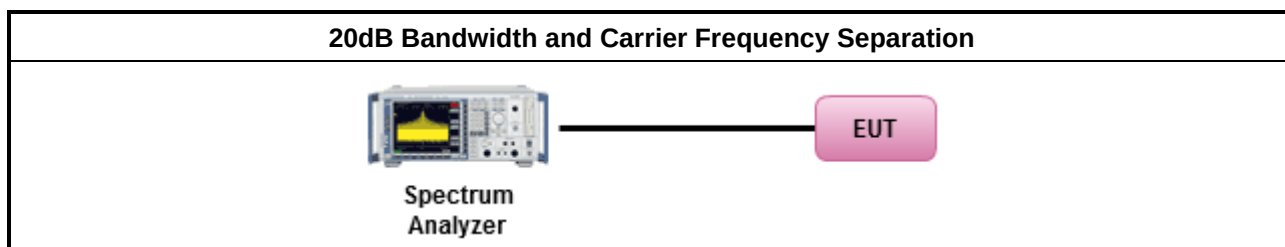
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method
Refer as ANSI C63.10-2013, clause 6.9.2 for 20 dB bandwidth measurement.
Refer as ANSI C63.10-2013, clause 7.8.2 for carrier frequency separation measurement.

3.2.4 Test Setup



3.2.5 Test Result of 20dB Bandwidth

Refer as Appendix B

3.2.6 Test Result of Carrier Frequency Separation

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
2400-2483.5 MHz Band:	
	$N \geq 75$; Power 30dBm; EIRP 36dBm
	$75 > N \geq 15$; Power 21dBm; EIRP 27dBm
N: Number of Hopping Frequencies	

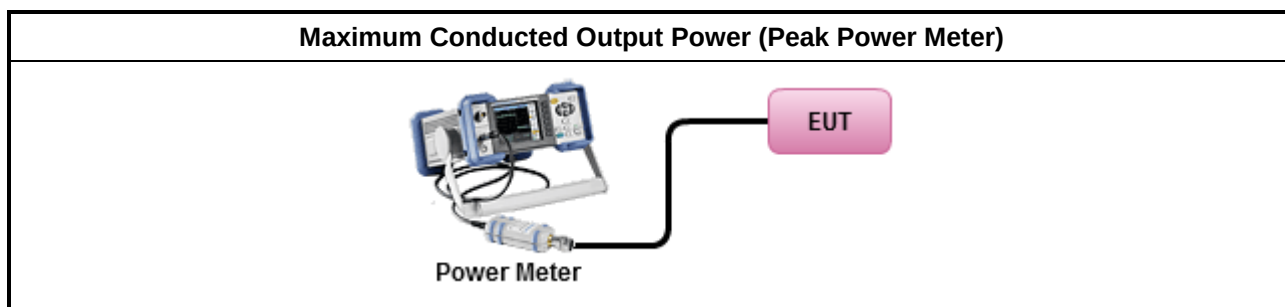
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method
Refer as ANSI C63.10-2013, clause 7.8.5 for output power measurement.

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Number of Hopping Frequencies and Hopping Bandedge

3.4.1 Number of Hopping Frequencies Limit

Number of Hopping Frequencies Limit	
2400-2483.5 MHz Band:	
	$N \geq 75$ and $ChS \geq MAX$ (20 dB bandwidth, 25 kHz).
	$75 > N \geq 15$ and $ChS \geq MAX$ (20 dB bandwidth 2/3, 25 kHz).
N: Number of Hopping Frequencies; ChS : Hopping Channel Separation	

3.4.2 Hopping Bandedge Limit

Refer clause 3.6.1 and clause 3.7.1

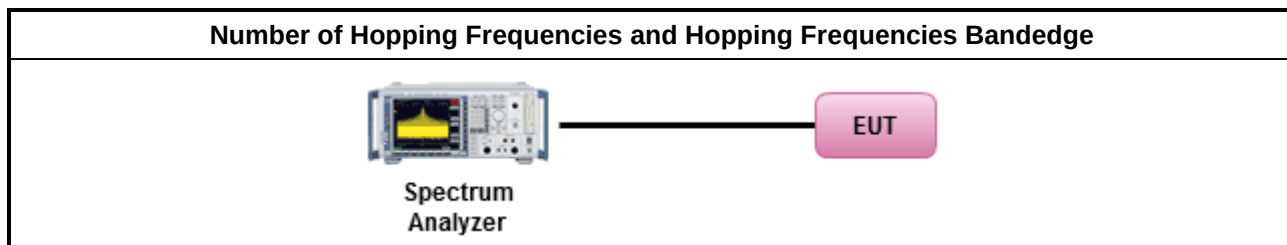
3.4.3 Measuring Instruments

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

3.4.4 Test Procedures

Test Method
Refer as ANSI C63.10-2013, clause 7.8.3 for number of hopping frequencies measurement.
Refer as ANSI C63.10-2013, clause 7.8.6 for hopping frequencies Bandedge measurement.

3.4.5 Test Setup



3.4.6 Test Result of Number of Hopping Frequencies

Refer as Appendix D

3.4.7 Test Result of Number of Hopping Frequencies Bandedge

Refer as Appendix D

3.5 Time of Occupancy (Dwell Time)

3.5.1 Time of Occupancy (Dwell Time) Limit

Time of Occupancy (Dwell Time) Limit for Frequency Hopping Systems	
2400-2483.5 MHz Band:	
	$N \geq 75$; 0.4s in $N \times 0.4$ period
	$75 > N \geq 15$; 0.4s in $N \times 0.4$ period
N: Number of Hopping Frequencies	

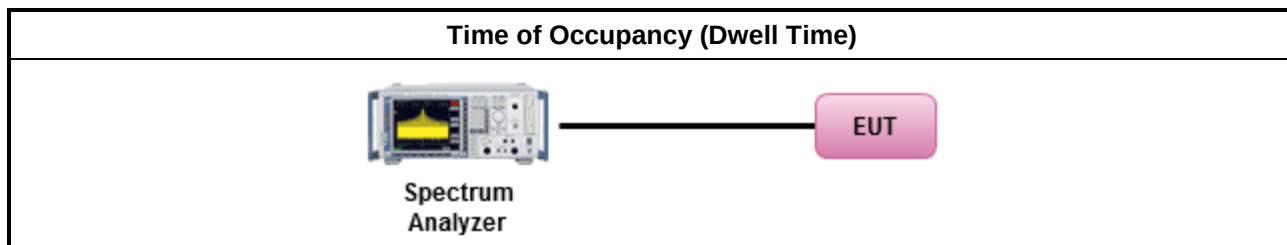
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method	
Refer as ANSI C63.10-2013, clause 7.8.4 for dwell time measurement.	
Bluetooth ACL packets can be 1, 3, or 5 time slots. Following as dwell time. Operate DH5 at maximum dwell time and maximum duty cycle.	
	The DH5 packet can cover up to 5 time slots. Operate DH5 at maximum dwell time and maximum duty cycle. A maximum length packet has duration of 5 time slots. The hopping rate is 1600 hops/second so the maximum dwell time is $5/1600$ seconds, or 3.125ms. DH5 Packet permit maximum $1600 / 79 / 6 = 3.37$ hops per second in each channel.

3.5.4 Test Setup



3.5.5 Test Result of Time of Occupancy (Dwell Time)

Refer as Appendix E

3.6 Emissions in Non-restricted Frequency Bands

3.6.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	Limit (dB)
Peak output power procedure	20
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.	

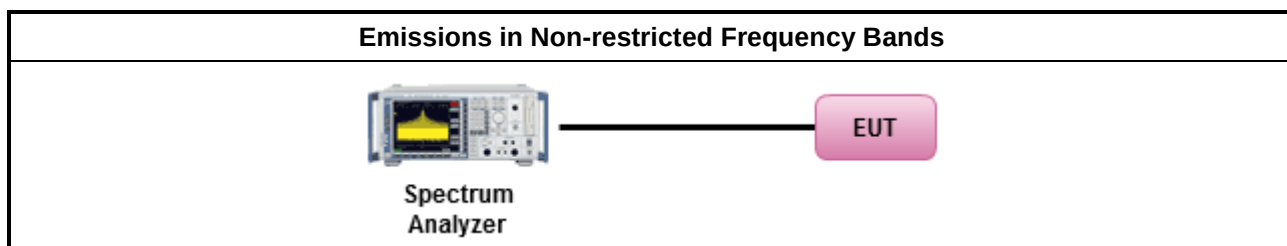
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

Test Method
Refer as ANSI C63.10-2013, clause 7.8.8 for unwanted emissions into non-restricted bands.

3.6.4 Test Setup



3.6.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix F

3.7 Emissions in Restricted Frequency Bands

3.7.1 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.

3.7.2 Measuring Instruments

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

3.7.3 Test Procedures

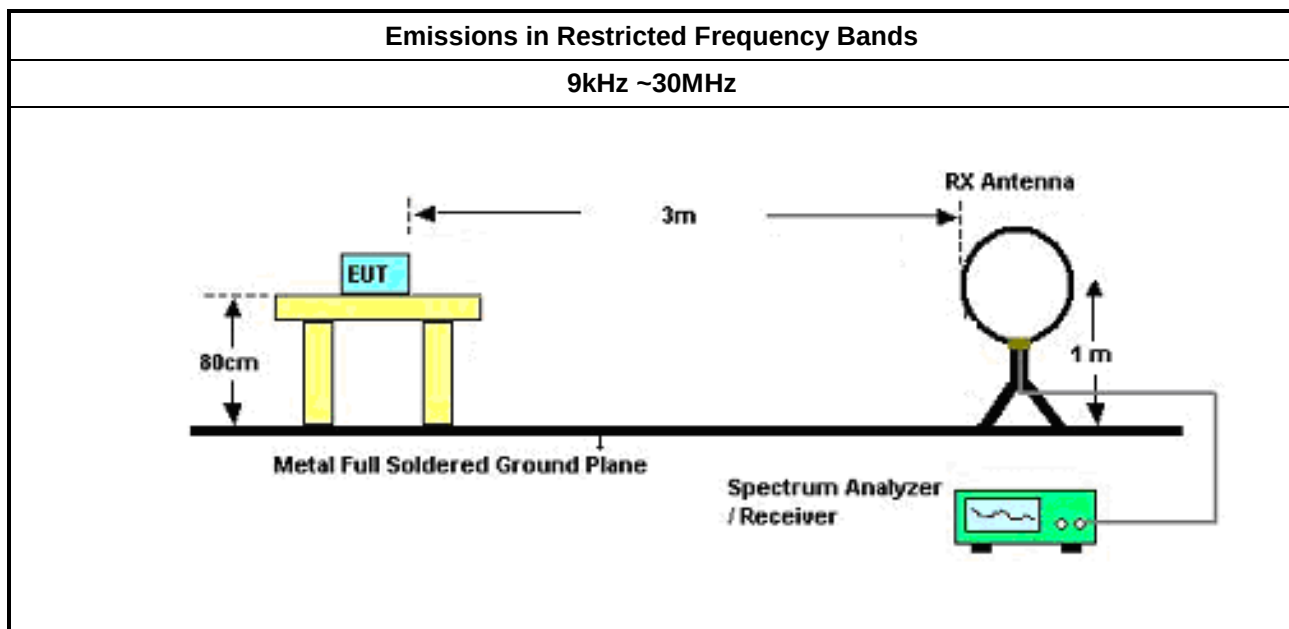
Test Method	
The average emission levels shall be measured in [hopping duty factor].	
Refer as ANSI C63.10; clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as ANSI C63.10, clause 4.1.4.2.1 QP value.
	Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak.
	Refer as ANSI C63.10, clause 4.1.4.2.4 average value of hopping pulsed emissions.
KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.	
	Based on LP0002 6.5.2: measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.
	Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

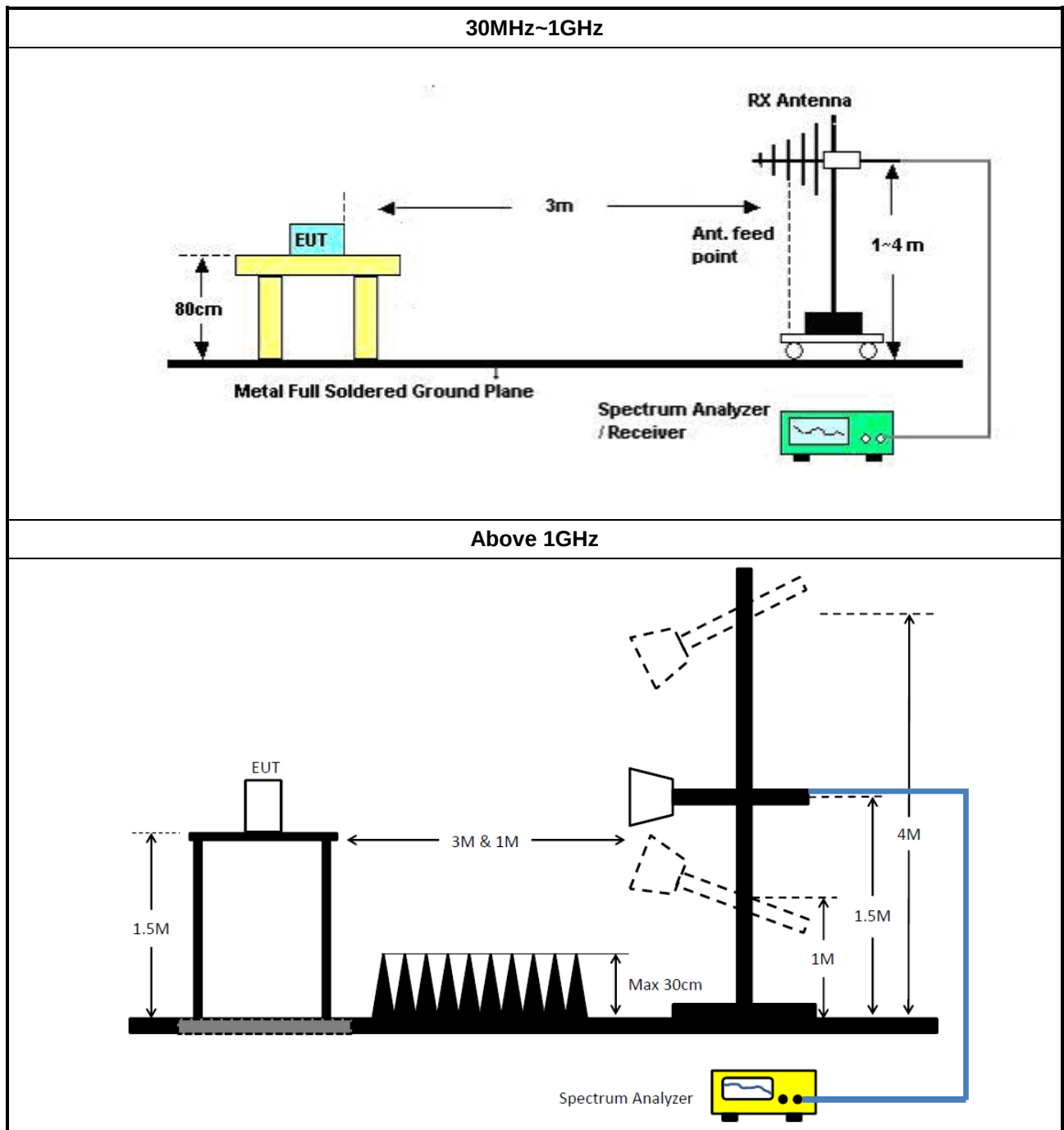
3.7.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamplifier Factor)

3.7.5 Test Setup





3.7.6 Test Result of Emissions in Restricted Frequency Bands (Below 30MHz)

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

3.7.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix G

3.8 Receiver Radiated Spurious Emissions

3.8.1 Receiver in Radiated Spurious Emissions Limit

Restricted Spurious 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.

3.8.2 Measuring Instruments

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

3.8.3 Test Procedures

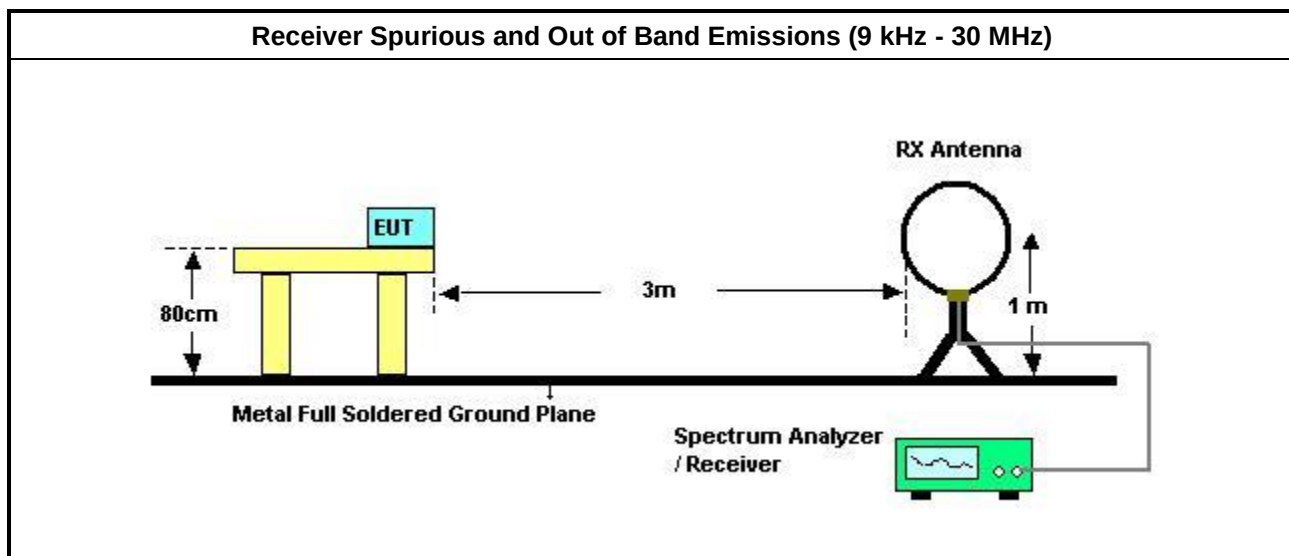
Test Method	
☒	The search for spurious emissions shall be from the lowest frequency internally generated or used in the receiver (e.g. local oscillator, intermediate or carrier frequency), or 30 MHz, whichever is higher, to at least 3 times the highest tuneable or local oscillator frequency, whichever is higher, without exceeding 40 GHz.
☒	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).
☒	For radiated measurement, refer as ANSI C63.4, clause 8.3.
☒	Refer as ANSI C63.4, clause 8.3.1.1 and 8.3.2.1 for radiated emissions from below 30 MHz.
☒	Refer as ANSI C63.4, clause 8.3.1.1 and 8.3.2.1 for radiated emissions from 30 MHz-1 GHz. For the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the QP-Limit so that the QP level does not need to be reported in addition.
☒	Refer as ANSI C63.4, clause 8.3.1.2 and 8.3.2.2 for radiated emissions from above 1 GHz. For the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
☒	All amplitude of spurious emissions that are attenuated by more than 30 dB below the permissible value has no need to be reported.

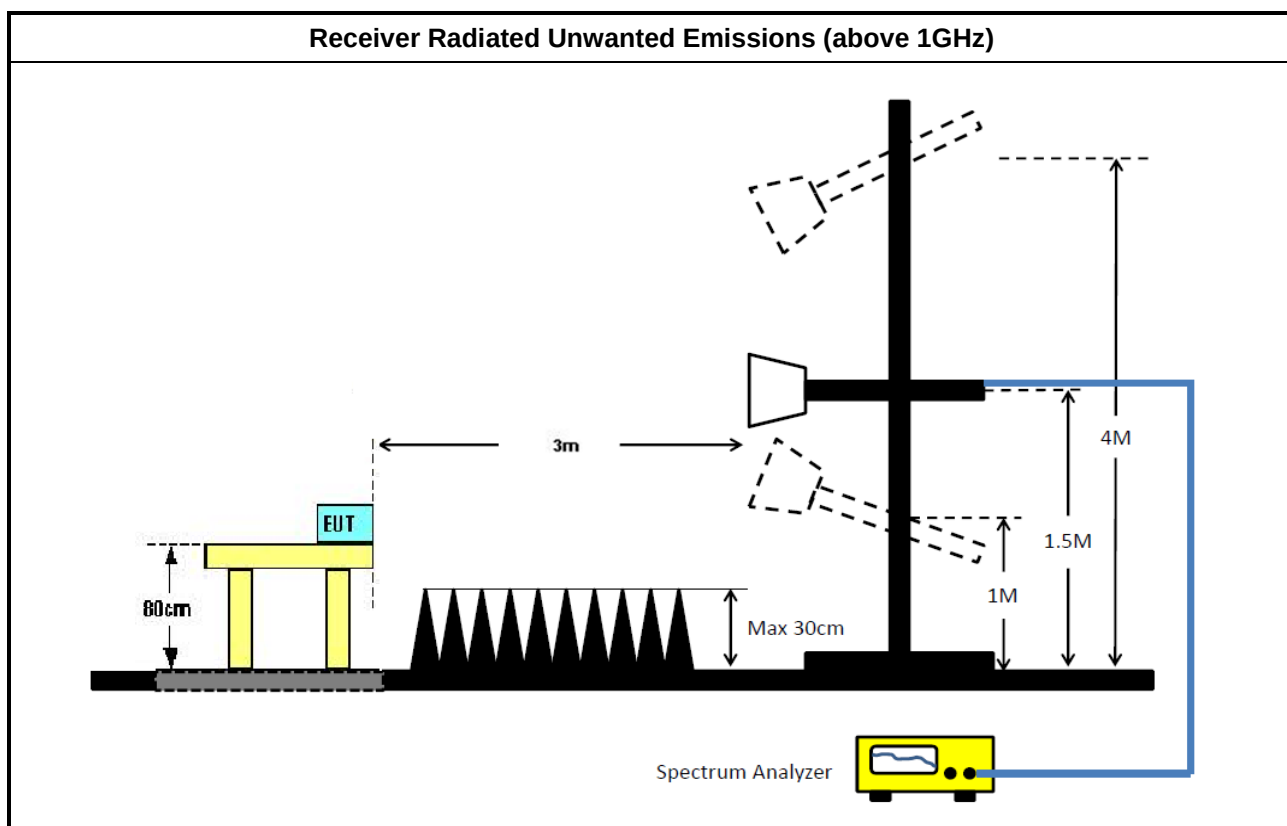
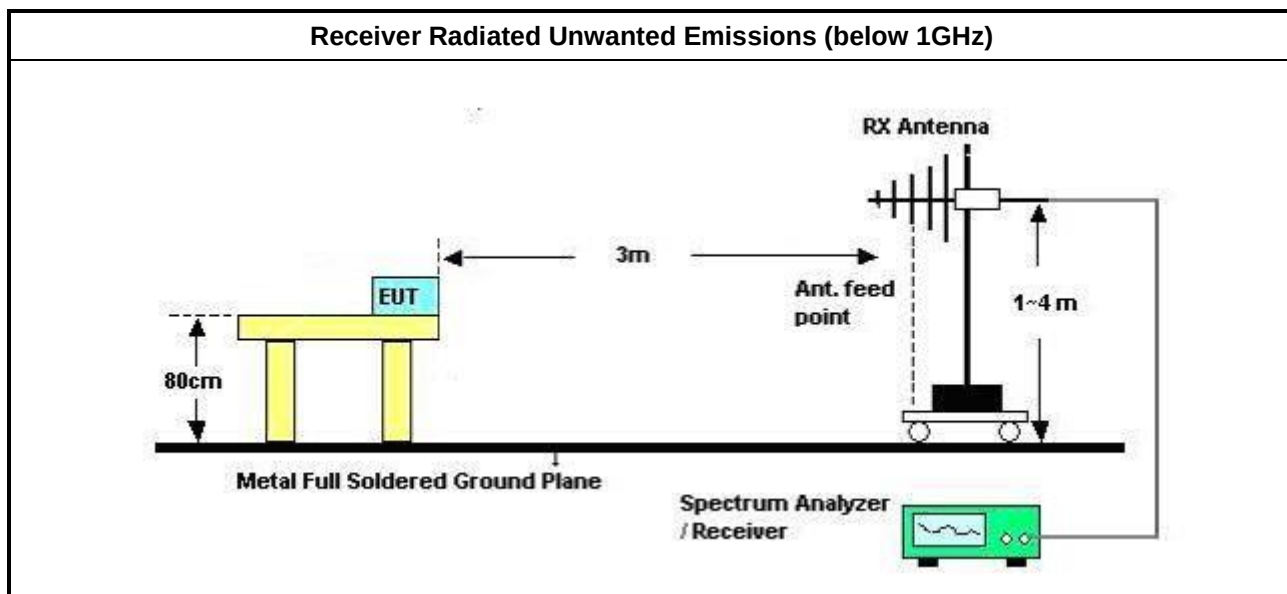
3.8.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamplifier Factor)

3.8.5 Test Setup





3.8.6 Receiver Radiated Unwanted Emissions (Below 30MHz)

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

3.8.7 Test Result of Receiver Radiated Unwanted Emissions

Refer as Appendix G

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR3	102051	9kHz ~ 3.6GHz	21/May/2021	20/May/2022
Two-Line V-Network	R&S	ENV216	100003	9kHz ~ 30MHz	23/Dec/2021	22/Dec/2022
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9kHz~200MHz	03/Mar/2021	02/Mar/2022
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	26/Oct/2021	25/Oct/2022
SENSE-EMI	Sporton	V5.10.7.13	N/A	N/A	N/A	N/A

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101029	10Hz~40GHz	20/Oct/2021	19/Oct/2022
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	21/Oct/2021	20/Oct/2022
Pulse Sensor	Anritsu	MA2411B	1027452	300MHz~40GHz	25/Mar/2021	24/Mar/2022
Power Meter	Anritsu	ML2495A	1124009	300MHz~40GHz	25/Mar/2021	24/Mar/2022
SENSE-15247_FS	Sporton	V5.10.7.13	N/A	N/A	N/A	N/A

Instrument for Radiated Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz~1GHz 3m	02/Aug/2021	01/Aug/2022
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	01/Aug/2021	31/Jul/2022
Signal Analyzer	R&S	FSP40	100593	9kHz~40GHz	12/Mar/2021	11/Mar/2022
Amplifier	Agilent	8447D	2944A11149	100kHz~1.3GHz	29/Jun/2021	28/Jun/2022
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	03/Nov/2021	02/Nov/2022
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz~1GHz	04/Sep/2021	03/Sep/2022
Double Ridged Guide Horn Antenna	SCHWARZBEC	BBHA 9120 D	BBHA 9120 D 01543	1GHz~18GHz	04/Jun/2021	03/Jun/2022
RF Cable	MVE	400LL	MVE-1-0802	9kHz~30MHz	05/May/2021	04/May/2022
RF Cable	MVE	400LL	MVE-1-0802	30MHz~1GHz	05/May/2021	04/May/2022
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX104	805193/4+805192/4	1GHz~40GHz	06/Apr/2021	05/Apr/2022
Broadband Horn Antenna	SCHWARZBEC K	BBHA 9170	BBHA 9170221	15GHz~40GHz	11/Mar/2021	10/Mar/2022
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz~40GHz	09/Mar/2021	08/Mar/2022
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	16/Mar/2021	15/Mar/2022
EMI Test Receiver	R&S	ESR3	102052	9kHz~3.6GHz	19/Apr/2021	18/Apr/2022
SENSE-15247_FS	Sporton	V5.10.7.13	N/A	N/A	N/A	N/A



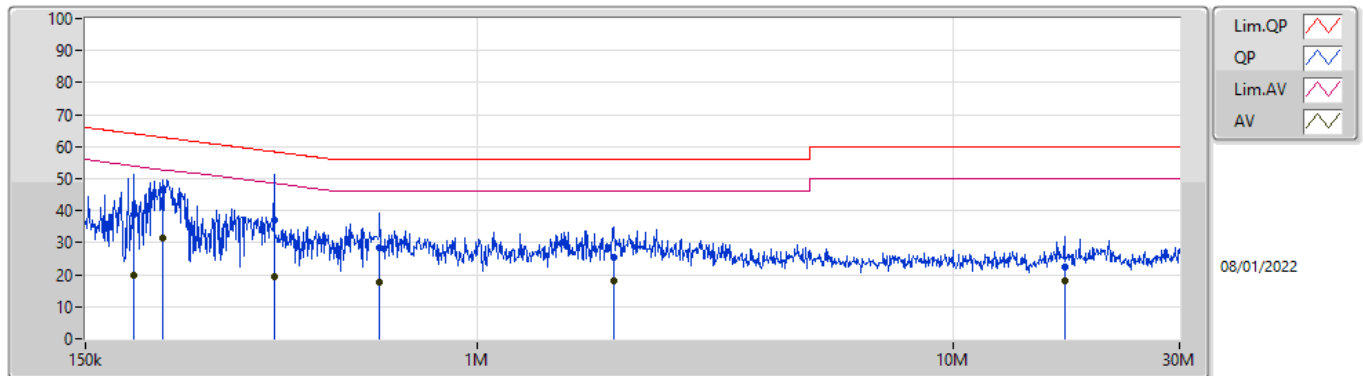
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	222.704k	46.87	62.71	-15.84	Neutral
Mode 2	Pass	QP	220.053k	47.13	62.81	-15.68	Line

Result

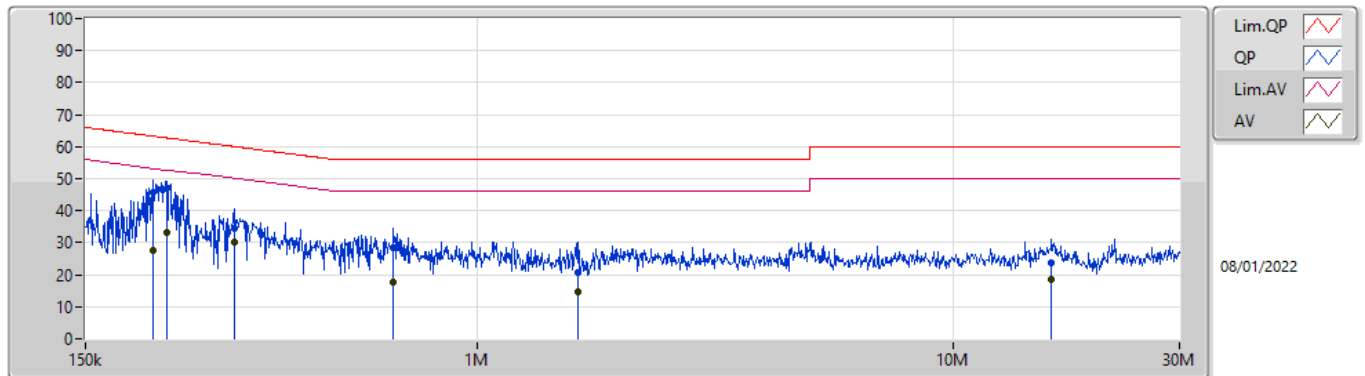
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	189.08k	38.63	64.07	-25.44	Line	-
Mode 1	Pass	AV	189.08k	20.02	54.07	-34.05	Line	-
Mode 1	Pass	QP	218.303k	46.63	62.88	-16.25	Line	-
Mode 1	Pass	AV	218.303k	31.68	52.88	-21.20	Line	-
Mode 1	Pass	QP	374.207k	37.04	58.41	-21.37	Line	-
Mode 1	Pass	AV	374.207k	19.49	48.41	-28.92	Line	-
Mode 1	Pass	QP	623.773k	28.62	56.00	-27.38	Line	-
Mode 1	Pass	AV	623.773k	17.47	46.00	-28.53	Line	-
Mode 1	Pass	QP	1.938M	25.59	56.00	-30.41	Line	-
Mode 1	Pass	AV	1.938M	18.20	46.00	-27.80	Line	-
Mode 1	Pass	QP	17.208M	22.42	60.00	-37.58	Line	-
Mode 1	Pass	AV	17.208M	18.29	50.00	-31.71	Line	-
Mode 1	Pass	QP	208.092k	45.88	63.28	-17.40	Neutral	-
Mode 1	Pass	AV	208.092k	27.39	53.28	-25.89	Neutral	-
Mode 1	Pass	QP	222.704k	46.87	62.71	-15.84	Neutral	-
Mode 1	Pass	AV	222.704k	33.33	52.71	-19.38	Neutral	-
Mode 1	Pass	QP	307.723k	34.58	60.03	-25.45	Neutral	-
Mode 1	Pass	AV	307.723k	29.97	50.03	-20.06	Neutral	-
Mode 1	Pass	QP	667.575k	28.25	56.00	-27.75	Neutral	-
Mode 1	Pass	AV	667.575k	17.51	46.00	-28.49	Neutral	-
Mode 1	Pass	QP	1.626M	20.57	56.00	-35.43	Neutral	-
Mode 1	Pass	AV	1.626M	14.74	46.00	-31.26	Neutral	-
Mode 1	Pass	QP	16.144M	23.66	60.00	-36.34	Neutral	-
Mode 1	Pass	AV	16.144M	18.69	50.00	-31.31	Neutral	-
Mode 2	Pass	QP	220.053k	47.13	62.81	-15.68	Line	-
Mode 2	Pass	AV	220.053k	32.92	52.81	-19.89	Line	-
Mode 2	Pass	QP	304.059k	35.15	60.13	-24.98	Line	-
Mode 2	Pass	AV	304.059k	31.32	50.13	-18.81	Line	-
Mode 2	Pass	QP	378.715k	34.21	58.31	-24.10	Line	-
Mode 2	Pass	AV	378.715k	19.76	48.31	-28.55	Line	-
Mode 2	Pass	QP	1.082M	28.28	56.00	-27.72	Line	-
Mode 2	Pass	AV	1.082M	18.97	46.00	-27.03	Line	-
Mode 2	Pass	QP	4.721M	20.90	56.00	-35.10	Line	-
Mode 2	Pass	AV	4.721M	16.63	46.00	-29.37	Line	-
Mode 2	Pass	QP	21.01M	24.50	60.00	-35.50	Line	-
Mode 2	Pass	AV	21.01M	19.50	50.00	-30.50	Line	-
Mode 2	Pass	QP	208.092k	45.54	63.28	-17.74	Neutral	-
Mode 2	Pass	AV	208.092k	27.45	53.28	-25.83	Neutral	-
Mode 2	Pass	QP	221.817k	46.85	62.75	-15.90	Neutral	-
Mode 2	Pass	AV	221.817k	33.40	52.75	-19.35	Neutral	-
Mode 2	Pass	QP	292.16k	31.49	60.46	-28.97	Neutral	-
Mode 2	Pass	AV	292.16k	17.81	50.46	-32.65	Neutral	-
Mode 2	Pass	QP	664.915k	27.81	56.00	-28.19	Neutral	-
Mode 2	Pass	AV	664.915k	17.29	46.00	-28.71	Neutral	-
Mode 2	Pass	QP	1.639M	20.12	56.00	-35.88	Neutral	-
Mode 2	Pass	AV	1.639M	14.63	46.00	-31.37	Neutral	-
Mode 2	Pass	QP	15.084M	21.18	60.00	-38.82	Neutral	-
Mode 2	Pass	AV	15.084M	17.13	50.00	-32.87	Neutral	-

Conducted Emissions at Powerline_Mode 1



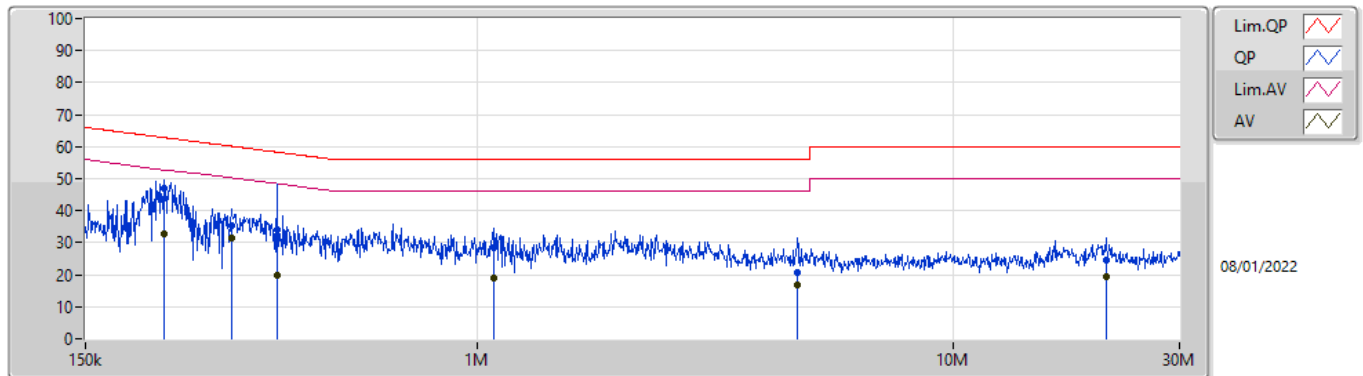
Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	189.08k	38.63	64.07	-25.44	19.56	Line	-	19.07	9.61	0.04	9.91			
AV	189.08k	20.02	54.07	-34.05	19.56	Line	-	0.46	9.61	0.04	9.91			
QP	218.303k	46.63	62.88	-16.25	19.56	Line	-	27.07	9.61	0.04	9.91			
AV	218.303k	31.68	52.88	-21.20	19.56	Line	-	12.12	9.61	0.04	9.91			
QP	374.207k	37.04	58.41	-21.37	19.57	Line	-	17.47	9.60	0.06	9.91			
AV	374.207k	19.49	48.41	-28.92	19.57	Line	-	-0.08	9.60	0.06	9.91			
QP	623.773k	28.62	56.00	-27.38	19.58	Line	-	9.04	9.60	0.07	9.91			
AV	623.773k	17.47	46.00	-28.53	19.58	Line	-	-2.11	9.60	0.07	9.91			
QP	1.938M	25.59	56.00	-30.41	19.65	Line	-	5.94	9.63	0.10	9.92			
AV	1.938M	18.20	46.00	-27.80	19.65	Line	-	-1.45	9.63	0.10	9.92			
QP	17.208M	22.42	60.00	-37.58	19.93	Line	-	2.49	9.73	0.27	9.93			
AV	17.208M	18.29	50.00	-31.71	19.93	Line	-	-1.64	9.73	0.27	9.93			

Conducted Emissions at Powerline_Mode 1



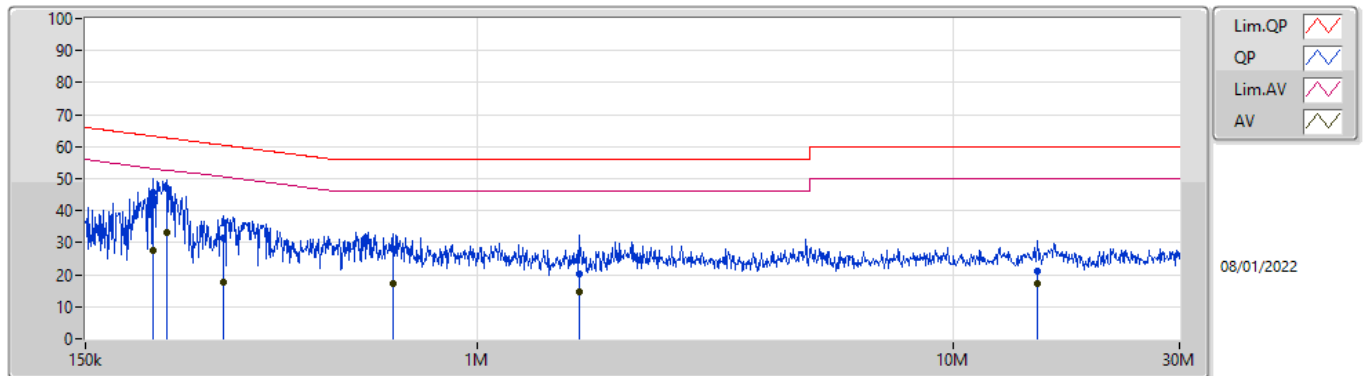
Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	208.092k	45.88	63.28	-17.40	19.55	Neutral	-	26.33	9.60	0.04	9.91			
AV	208.092k	27.39	53.28	-25.89	19.55	Neutral	-	7.84	9.60	0.04	9.91			
QP	222.704k	46.87	62.71	-15.84	19.55	Neutral	-	27.32	9.60	0.04	9.91			
AV	222.704k	33.33	52.71	-19.38	19.55	Neutral	-	13.78	9.60	0.04	9.91			
QP	307.723k	34.58	60.03	-25.45	19.56	Neutral	-	15.02	9.60	0.05	9.91			
AV	307.723k	29.97	50.03	-20.06	19.56	Neutral	-	10.41	9.60	0.05	9.91			
QP	667.575k	28.25	56.00	-27.75	19.60	Neutral	-	8.65	9.61	0.07	9.92			
AV	667.575k	17.51	46.00	-28.49	19.60	Neutral	-	-2.09	9.61	0.07	9.92			
QP	1.626M	20.57	56.00	-35.43	19.63	Neutral	-	0.94	9.62	0.09	9.92			
AV	1.626M	14.74	46.00	-31.26	19.63	Neutral	-	-4.89	9.62	0.09	9.92			
QP	16.144M	23.66	60.00	-36.34	20.03	Neutral	-	3.63	9.84	0.26	9.93			
AV	16.144M	18.69	50.00	-31.31	20.03	Neutral	-	-1.34	9.84	0.26	9.93			

Conducted Emissions at Powerline_Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	220.053k	47.13	62.81	-15.68	19.56	Line	-	27.57	9.61	0.04	9.91			
AV	220.053k	32.92	52.81	-19.89	19.56	Line	-	13.36	9.61	0.04	9.91			
QP	304.059k	35.15	60.13	-24.98	19.56	Line	-	15.59	9.60	0.05	9.91			
AV	304.059k	31.32	50.13	-18.81	19.56	Line	-	11.76	9.60	0.05	9.91			
QP	378.715k	34.21	58.31	-24.10	19.57	Line	-	14.64	9.60	0.06	9.91			
AV	378.715k	19.76	48.31	-28.55	19.57	Line	-	0.19	9.60	0.06	9.91			
QP	1.082M	28.28	56.00	-27.72	19.61	Line	-	8.67	9.61	0.08	9.92			
AV	1.082M	18.97	46.00	-27.03	19.61	Line	-	-0.64	9.61	0.08	9.92			
QP	4.721M	20.90	56.00	-35.10	19.73	Line	-	1.17	9.66	0.15	9.92			
AV	4.721M	16.63	46.00	-29.37	19.73	Line	-	-3.10	9.66	0.15	9.92			
QP	21.01M	24.50	60.00	-35.50	19.96	Line	-	4.54	9.73	0.30	9.93			
AV	21.01M	19.50	50.00	-30.50	19.96	Line	-	-0.46	9.73	0.30	9.93			

Conducted Emissions at Powerline_Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	208.092k	45.54	63.28	-17.74	19.55	Neutral	-	25.99	9.60	0.04	9.91			
AV	208.092k	27.45	53.28	-25.83	19.55	Neutral	-	7.90	9.60	0.04	9.91			
QP	221.817k	46.85	62.75	-15.90	19.55	Neutral	-	27.30	9.60	0.04	9.91			
AV	221.817k	33.40	52.75	-19.35	19.55	Neutral	-	13.85	9.60	0.04	9.91			
QP	292.16k	31.49	60.46	-28.97	19.56	Neutral	-	11.93	9.60	0.05	9.91			
AV	292.16k	17.81	50.46	-32.65	19.56	Neutral	-	-1.75	9.60	0.05	9.91			
QP	664.915k	27.81	56.00	-28.19	19.60	Neutral	-	8.21	9.61	0.07	9.92			
AV	664.915k	17.29	46.00	-28.71	19.60	Neutral	-	-2.31	9.61	0.07	9.92			
QP	1.639M	20.12	56.00	-35.88	19.63	Neutral	-	0.49	9.62	0.09	9.92			
AV	1.639M	14.63	46.00	-31.37	19.63	Neutral	-	-5.00	9.62	0.09	9.92			
QP	15.084M	21.18	60.00	-38.82	20.01	Neutral	-	1.17	9.83	0.25	9.93			
AV	15.084M	17.13	50.00	-32.87	20.01	Neutral	-	-2.88	9.83	0.25	9.93			

**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
BT-BR(1Mbps)	1.019M	900.8k	901KF1D	940k	895.802k
BT-EDR(2Mbps)	1.343M	1.227M	1M23G1D	1.34M	1.226M
BT-EDR(3Mbps)	1.293M	1.226M	1M23G1D	1.288M	1.219M

Max-N dB = Maximum 20dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 20dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth

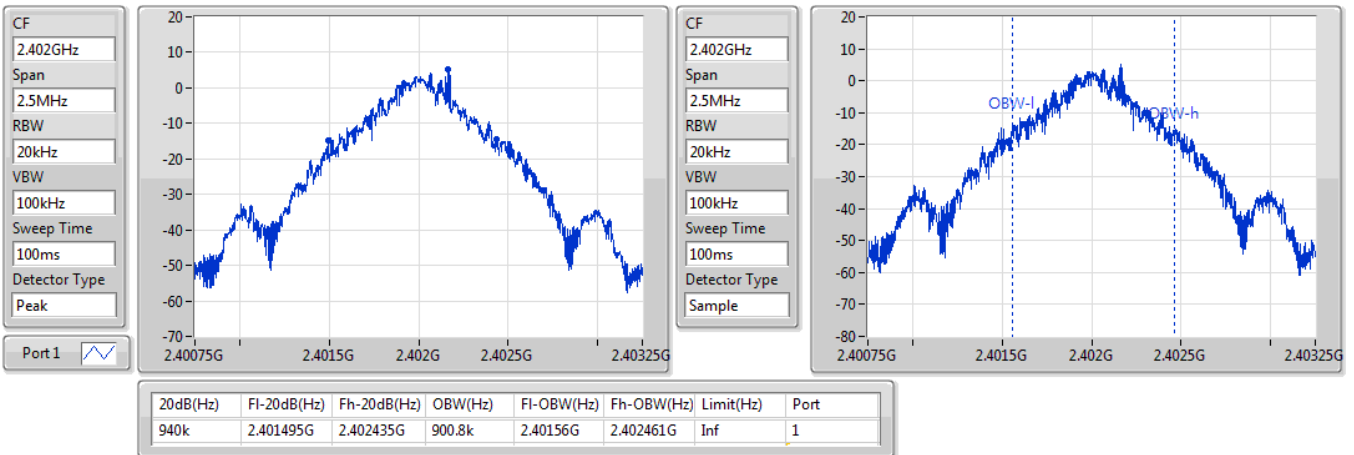
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	Inf	940k	900.8k
2440MHz	Pass	Inf	1.019M	895.802k
2480MHz	Pass	Inf	987.5k	899.55k
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.34M	1.226M
2440MHz	Pass	Inf	1.343M	1.226M
2480MHz	Pass	Inf	1.34M	1.227M
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.291M	1.224M
2440MHz	Pass	Inf	1.288M	1.226M
2480MHz	Pass	Inf	1.293M	1.219M

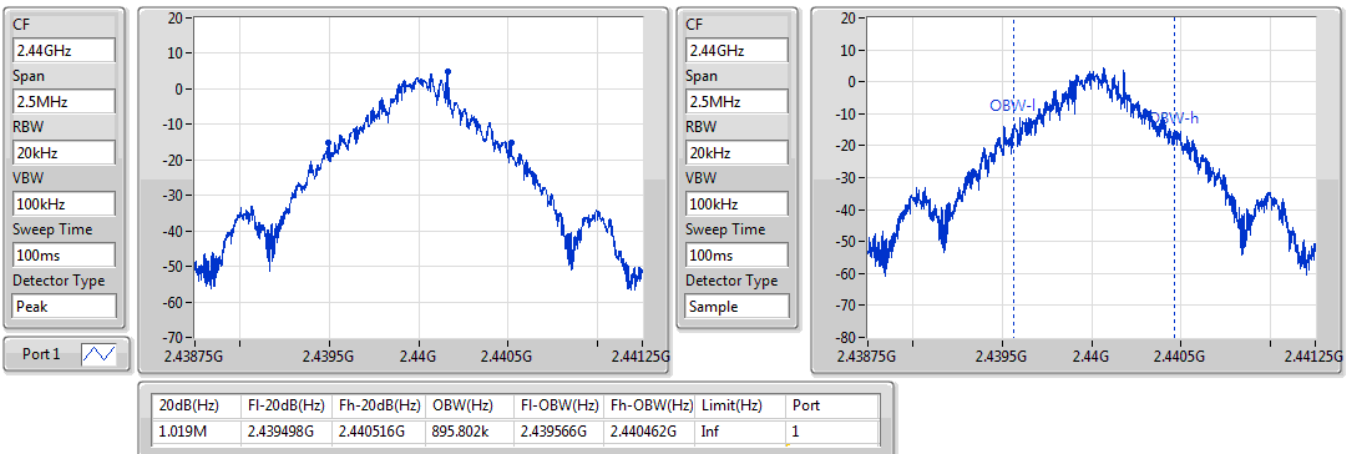
Port X-N dB = Port X 20dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

BT-BR(1Mbps)
2402MHz
EBW-FS

29/12/2021

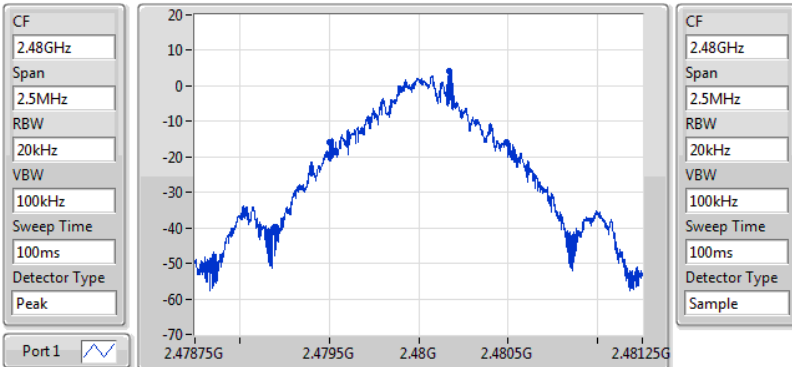

BT-BR(1Mbps)
2440MHz
EBW-FS

29/12/2021



BT-BR(1Mbps)

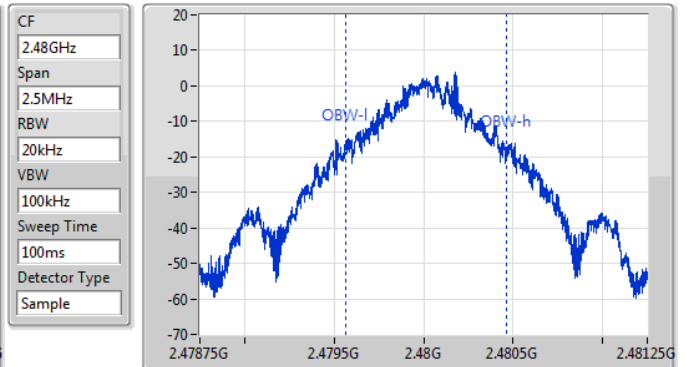
2480MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
987.5k	2.479505G	2.480493G	899.55k	2.479566G	2.480466G	Inf	1

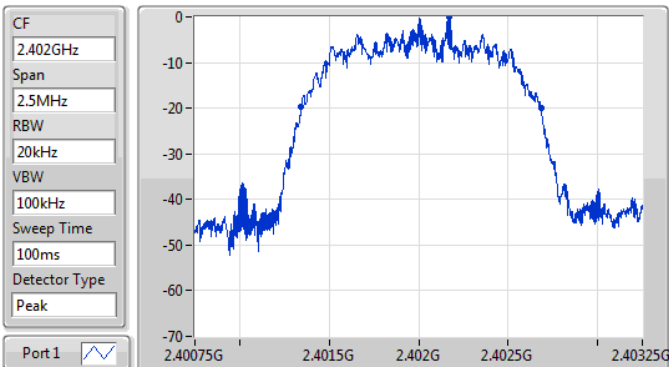
EBW-FS

29/12/2021



BT-EDR(2Mbps)

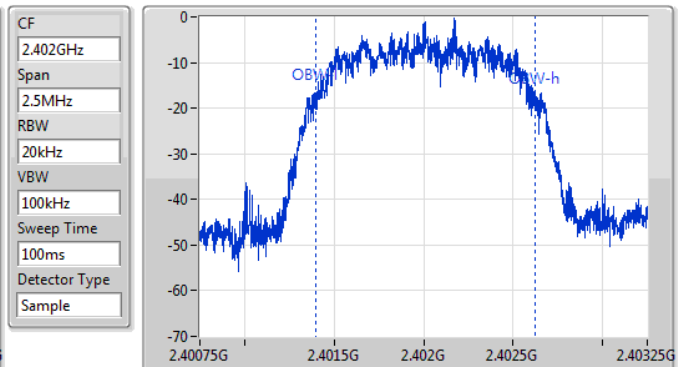
2402MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.34M	2.401344G	2.402684G	1.226M	2.401399G	2.402625G	Inf	1

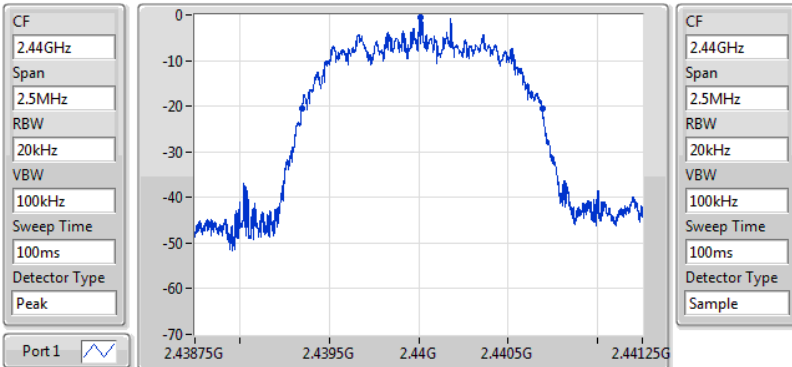
EBW-FS

29/12/2021



BT-EDR(2Mbps)

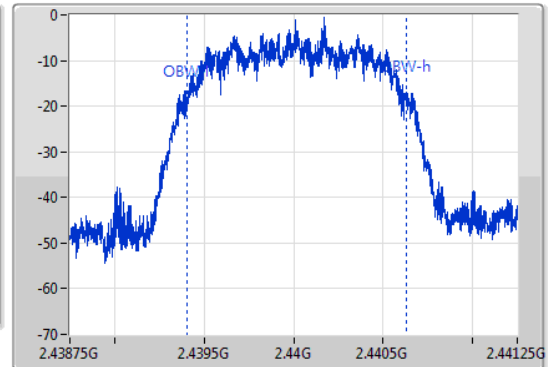
2440MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.343M	2.439348G	2.44069G	1.226M	2.439403G	2.440628G	Inf	1

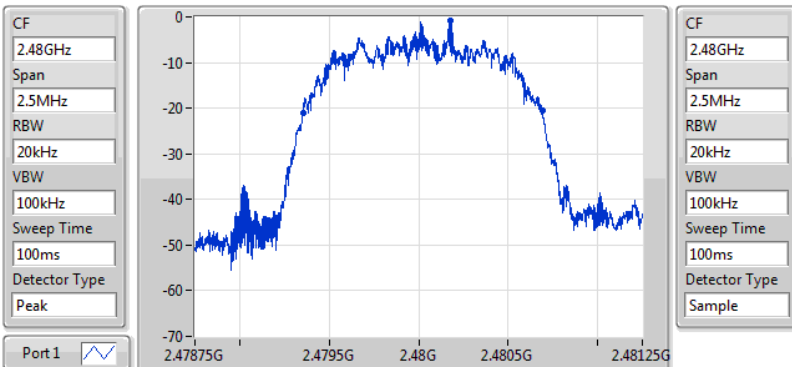
EBW-FS

29/12/2021



BT-EDR(2Mbps)

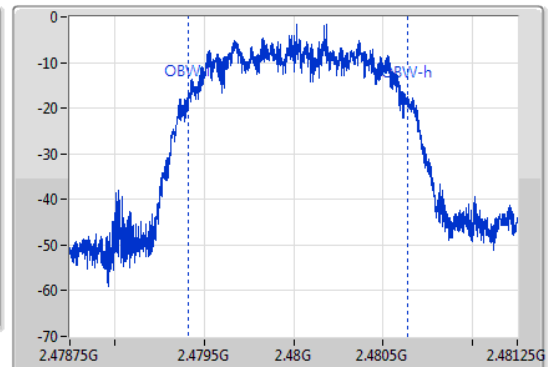
2480MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.34M	2.479353G	2.480693G	1.227M	2.479409G	2.480636G	Inf	1

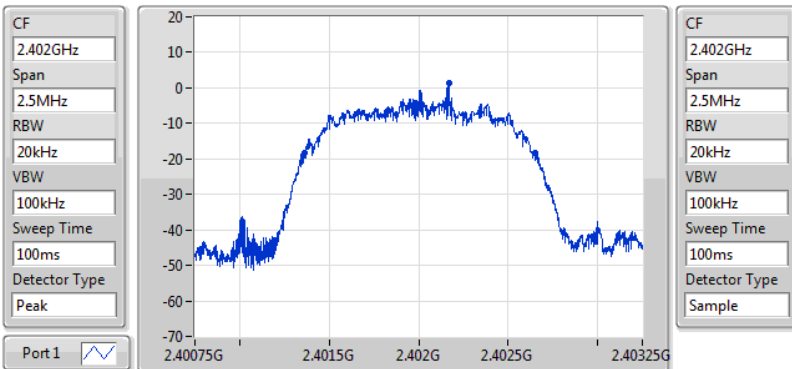
EBW-FS

29/12/2021



BT-EDR(3Mbps)

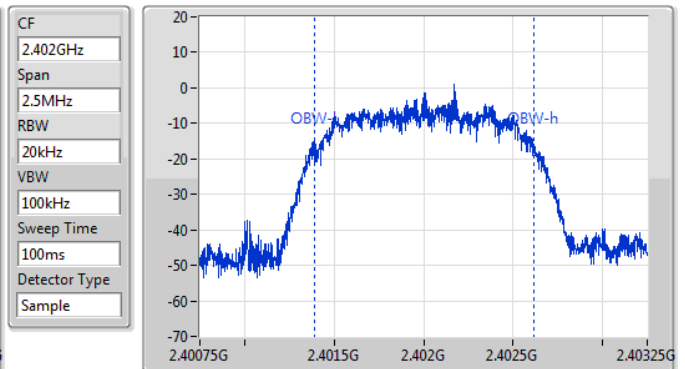
2402MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.291M	2.401361G	2.402653G	1.224M	2.401392G	2.402616G	Inf	1

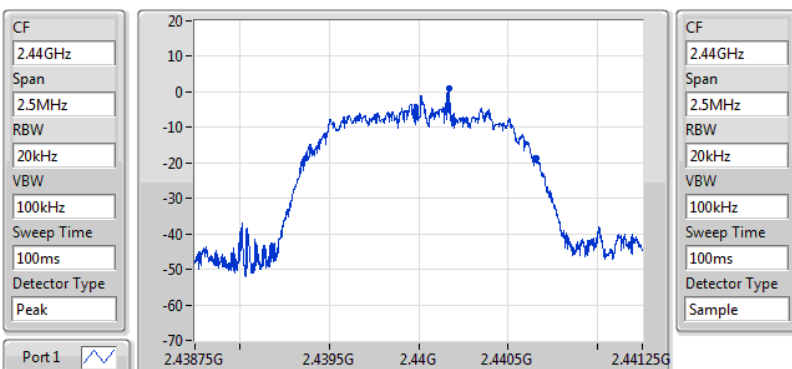
EBW-FS

30/12/2021



BT-EDR(3Mbps)

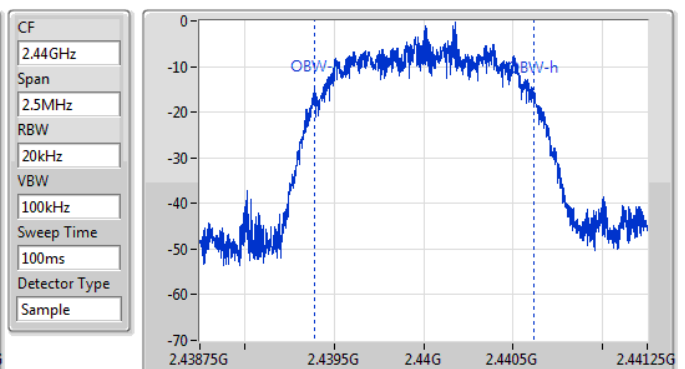
2440MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.288M	2.439368G	2.440655G	1.226M	2.439394G	2.44062G	Inf	1

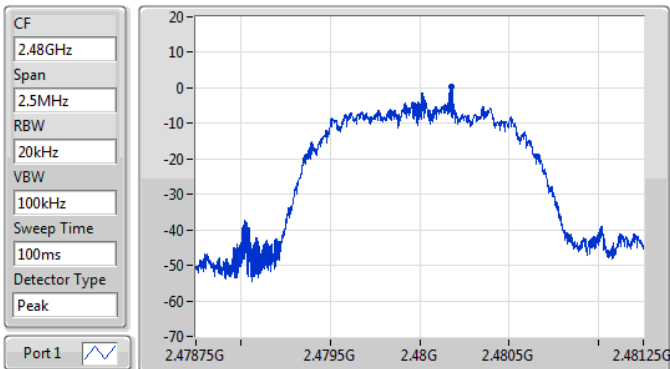
EBW-FS

30/12/2021



BT-EDR(3Mbps)

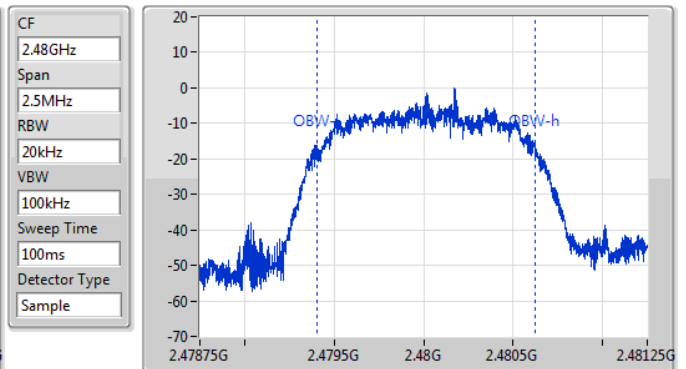
2480MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.293M	2.479369G	2.480661G	1.219M	2.479404G	2.480623G	Inf	1

EBW-FS

30/12/2021





Summary

Mode	Max-Space (Hz)	Min-Space (Hz)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	1.002M	1.0005M
BT-EDR(2Mbps)	1.002M	999k
BT-EDR(3Mbps)	1.002M	999k

Result

Mode	Result	Fl (Hz)	Fh (Hz)	Ch.Space (Hz)	Limit (Hz)
BT-BR(1Mbps)	-	-	-	-	-
2402MHz	Pass	2.402163G	2.403163G	1.0005M	626.04k
2440MHz	Pass	2.440167G	2.441169G	1.002M	678.654k
2480MHz	Pass	2.479173G	2.480175G	1.002M	657.675k
BT-EDR(2Mbps)	-	-	-	-	-
2402MHz	Pass	2.402169G	2.403168G	999k	892.44k
2440MHz	Pass	2.440172G	2.441172G	1.0005M	894.438k
2480MHz	Pass	2.479176G	2.480178G	1.002M	892.44k
BT-EDR(3Mbps)	-	-	-	-	-
2402MHz	Pass	2.402164G	2.403163G	999k	859.806k
2440MHz	Pass	2.440167G	2.441169G	1.002M	857.808k
2480MHz	Pass	2.479173G	2.480174G	1.0005M	861.138k

BT-BR(1Mbps)

2.402G/2.403GHz

Channel Separation-FS

29/12/2021



BT-BR(1Mbps)

2.44G/2.441GHz

Channel Separation-FS

29/12/2021



BT-BR(1Mbps)

2.48G/2.479GHz

Channel Separation-FS

29/12/2021

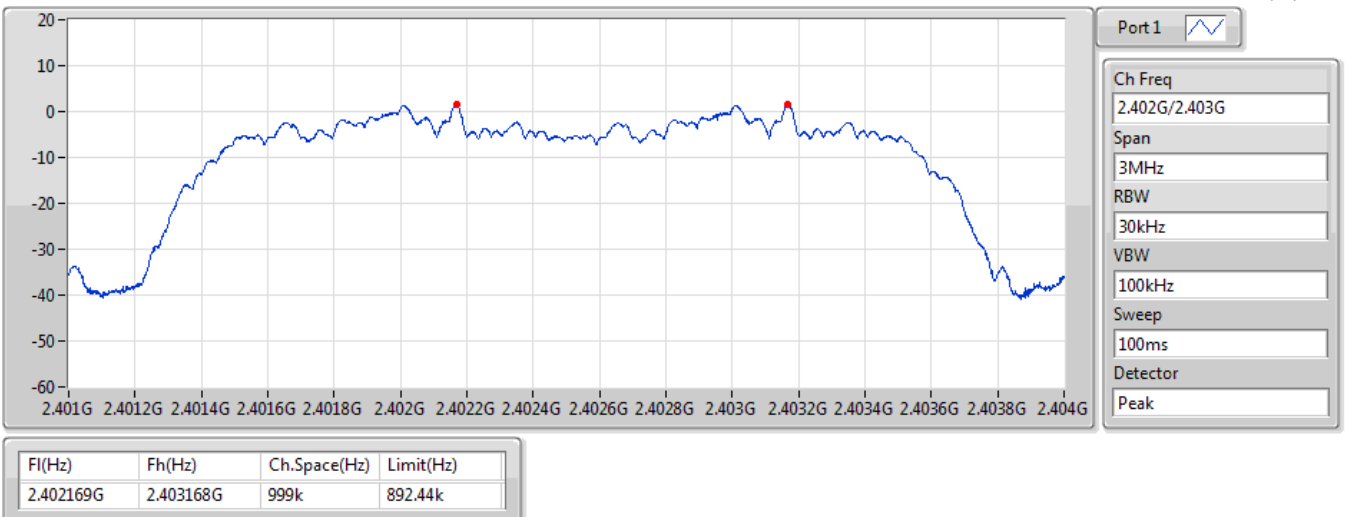


BT-EDR(2Mbps)

2.402G/2.403GHz

Channel Separation-FS

29/12/2021

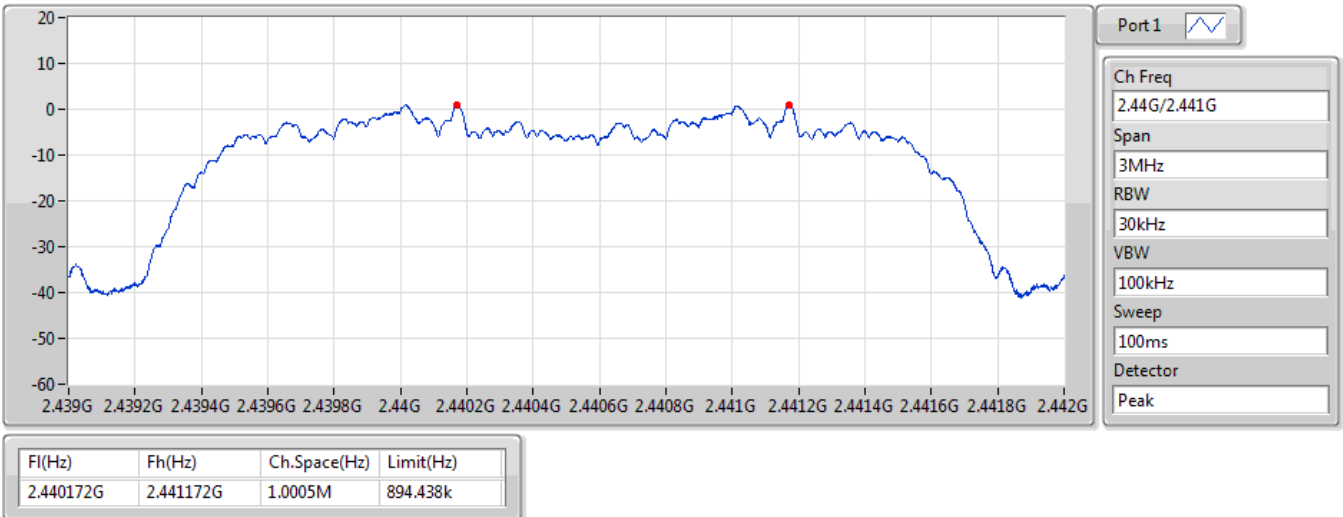


BT-EDR(2Mbps)

2.44G/2.441GHz

Channel Separation-FS

29/12/2021

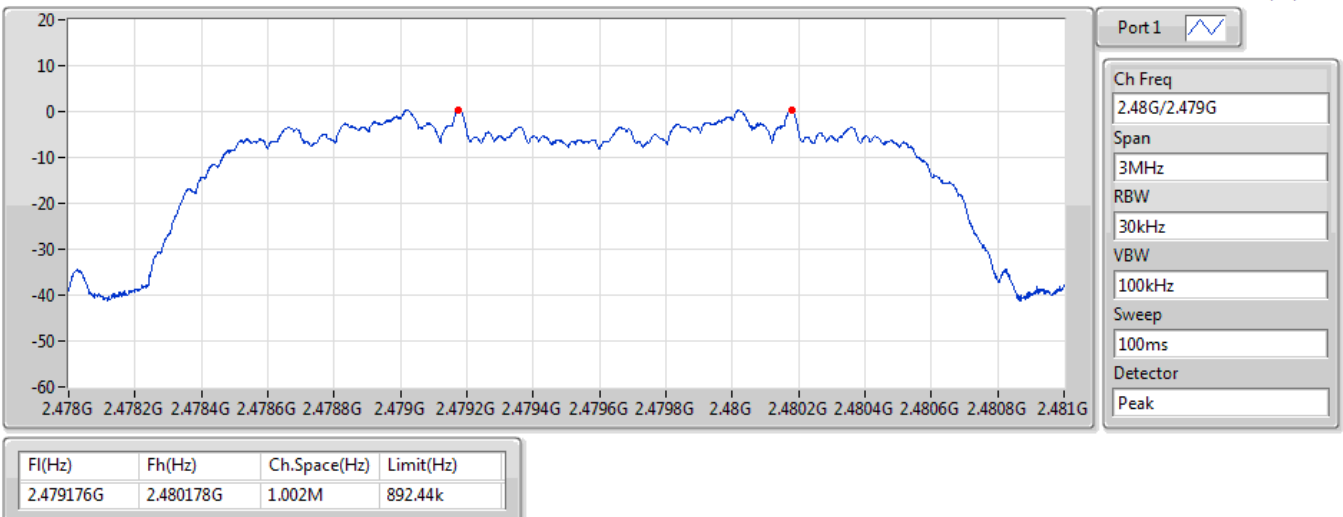


BT-EDR(2Mbps)

2.48G/2.479GHz

Channel Separation-FS

29/12/2021

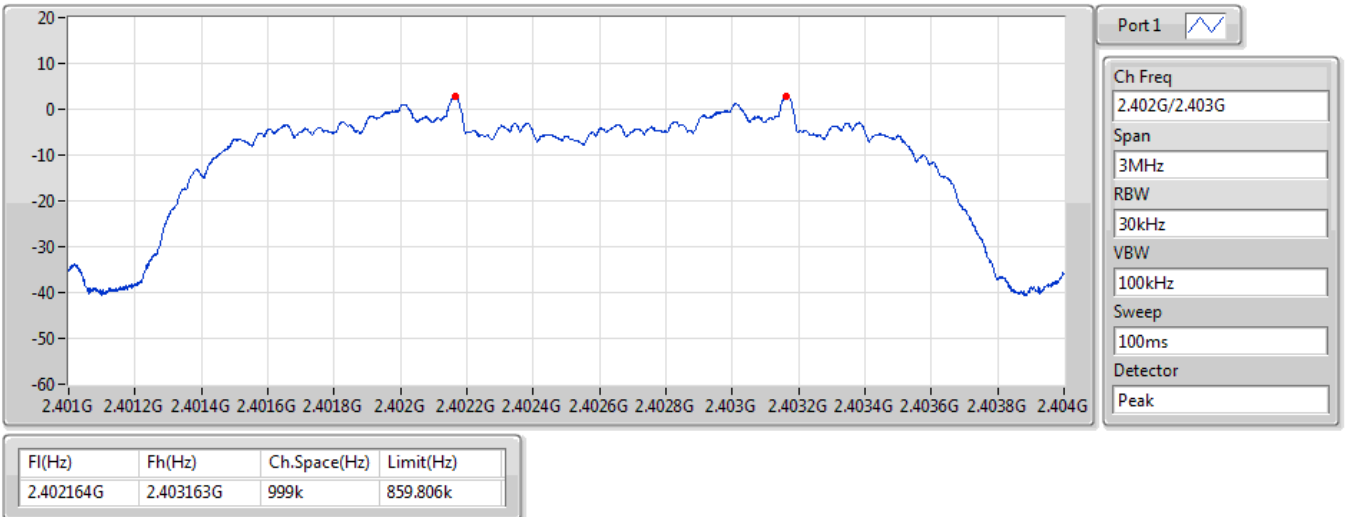


BT-EDR(3Mbps)

2.402G/2.403GHz

Channel Separation-FS

30/12/2021

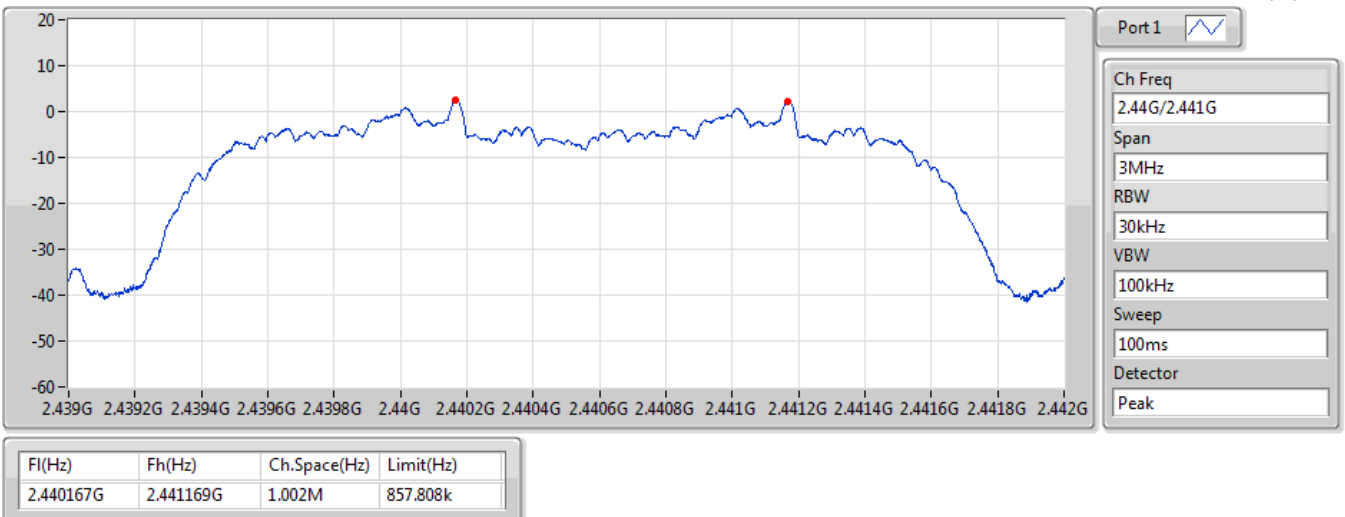


BT-EDR(3Mbps)

2.44G/2.441GHz

Channel Separation-FS

30/12/2021

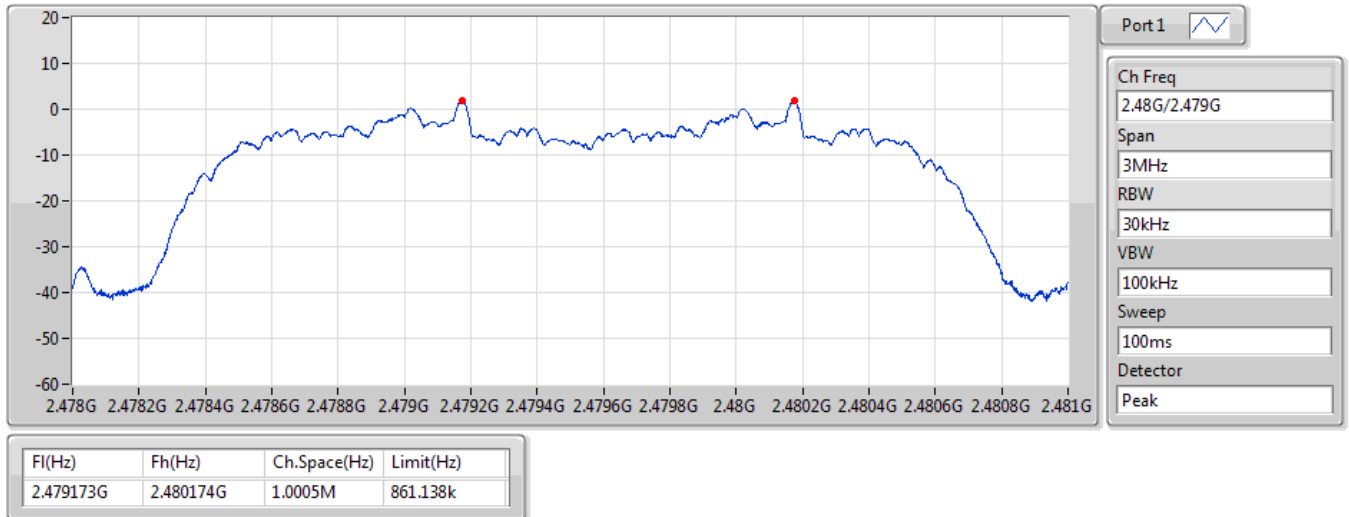


BT-EDR(3Mbps)

2.48G/2.479GHz

Channel Separation-FS

30/12/2021





Summary

Mode	Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	7.91	0.00618
BT-EDR(2Mbps)	6.75	0.00473
BT-EDR(3Mbps)	6.94	0.00494



Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	4.90	7.90	21.00
2440MHz	Pass	4.90	7.91	21.00
2480MHz	Pass	4.90	6.77	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	4.90	6.75	21.00
2440MHz	Pass	4.90	6.31	21.00
2480MHz	Pass	4.90	5.72	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	4.90	6.94	21.00
2440MHz	Pass	4.90	6.58	21.00
2480MHz	Pass	4.90	5.92	21.00

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



Summary

Mode	Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	7.71	0.00590
BT-EDR(2Mbps)	4.37	0.00274
BT-EDR(3Mbps)	4.23	0.00265



Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	4.90	7.71	21.00
2440MHz	Pass	4.90	7.57	21.00
2480MHz	Pass	4.90	6.50	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	4.90	4.37	21.00
2440MHz	Pass	4.90	3.88	21.00
2480MHz	Pass	4.90	3.41	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	4.90	4.23	21.00
2440MHz	Pass	4.90	3.85	21.00
2480MHz	Pass	4.90	3.33	21.00

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



Summary

Mode	Max-Hop No
2.4-2.4835GHz	-
BT-BR(1Mbps)	79
BT-EDR(2Mbps)	79
BT-EDR(3Mbps)	79

Result

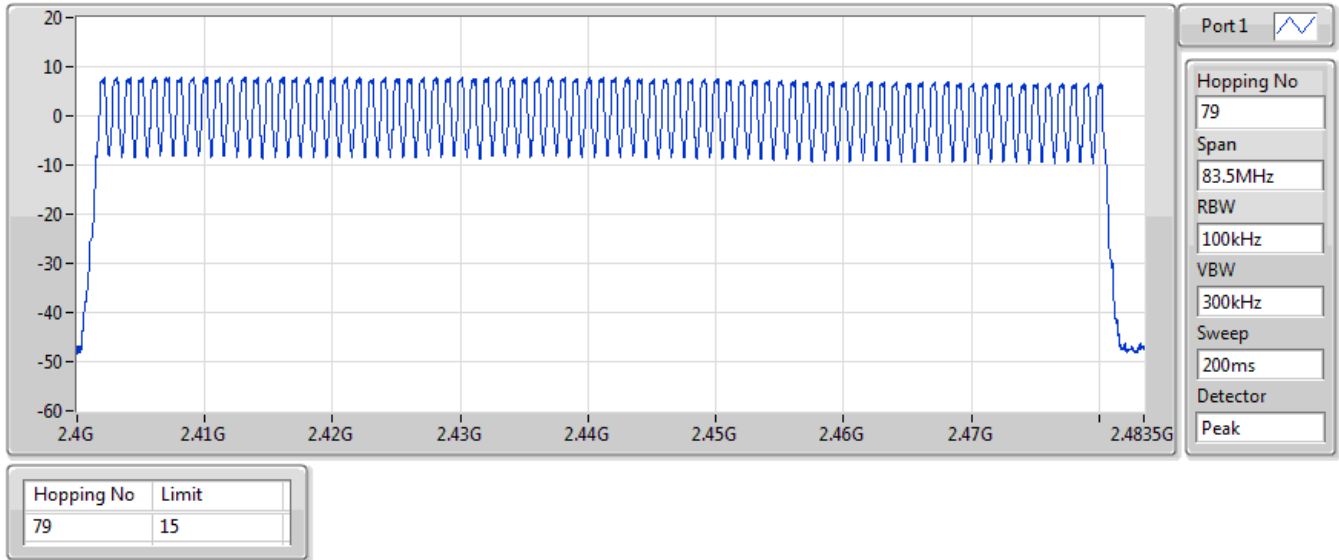
Mode	Result	Hopping No	Limit
BT-BR(1Mbps)	-	-	-
2440MHz	Pass	79	15
BT-EDR(2Mbps)	-	-	-
2440MHz	Pass	79	15
BT-EDR(3Mbps)	-	-	-
2440MHz	Pass	79	15

BT-BR(1Mbps)

2440MHz

Hopping-FS

29/12/2021

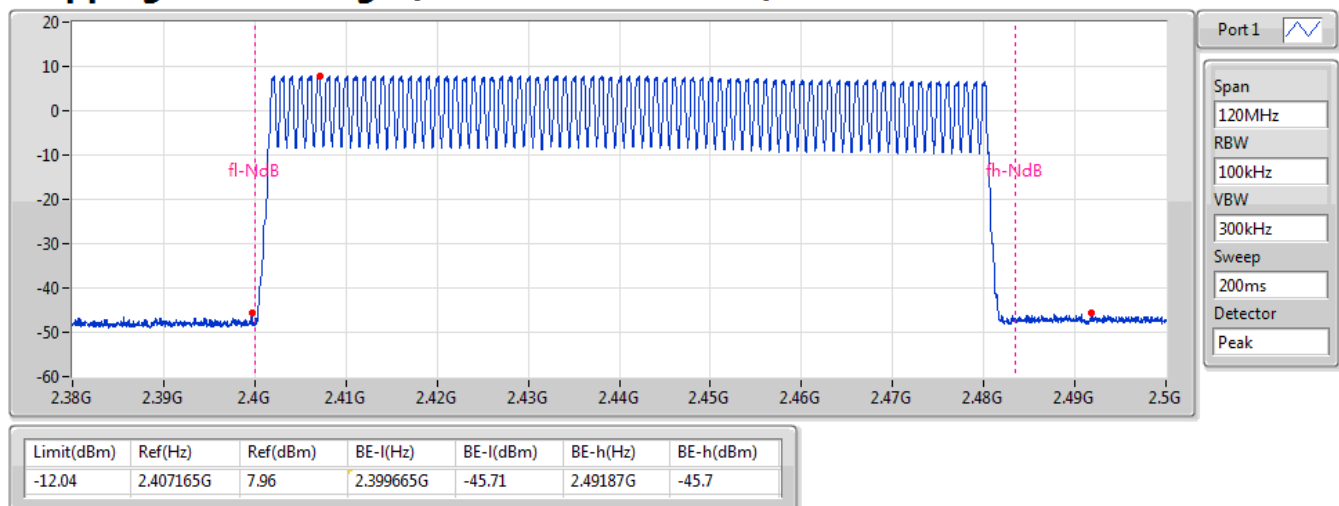


BT-BR(1Mbps)

2440MHz

Hopping Ch Bandedge (Non-restricted Band)

29/12/2021

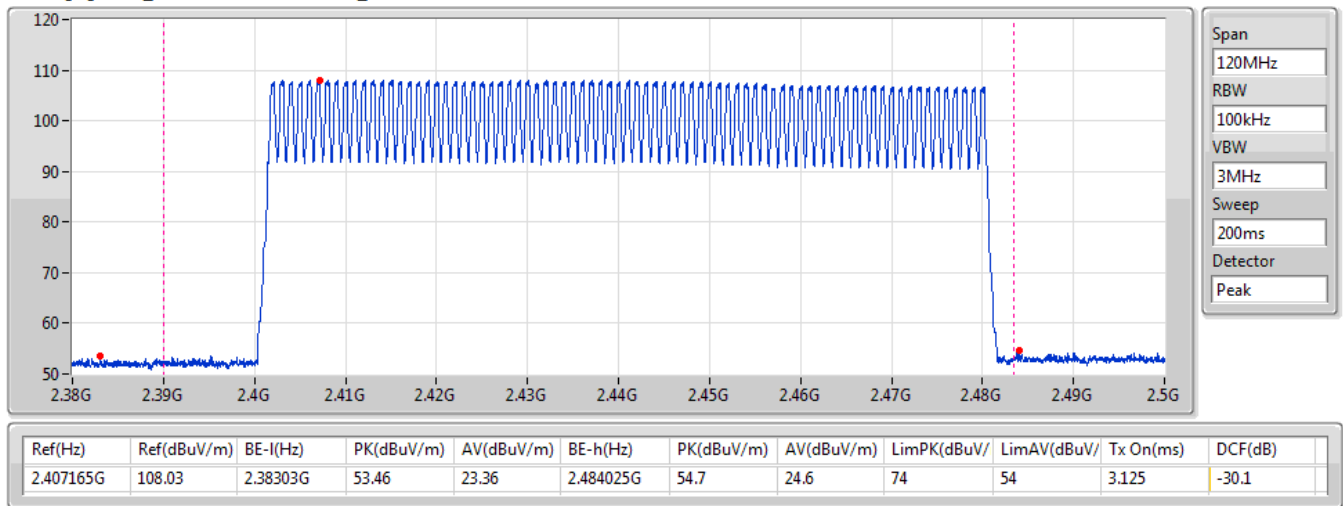


BT-BR(1Mbps)

2440MHz

Hopping Ch Bandedge (Restricted Band)

29/12/2021

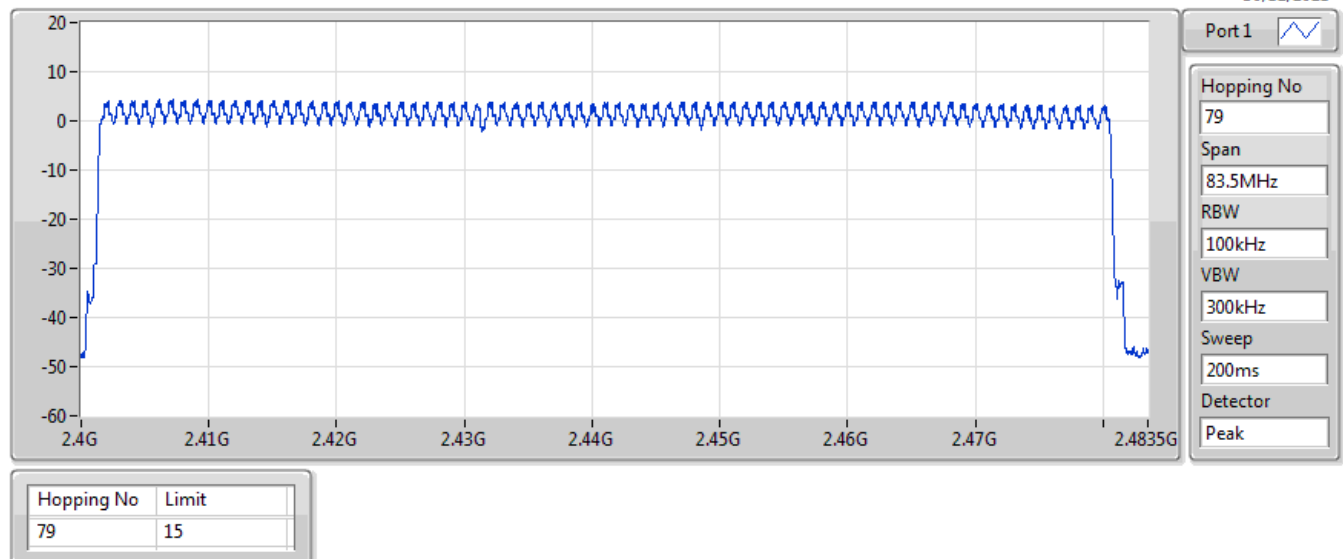


BT-EDR(2Mbps)

2440MHz

Hopping-FS

30/12/2021

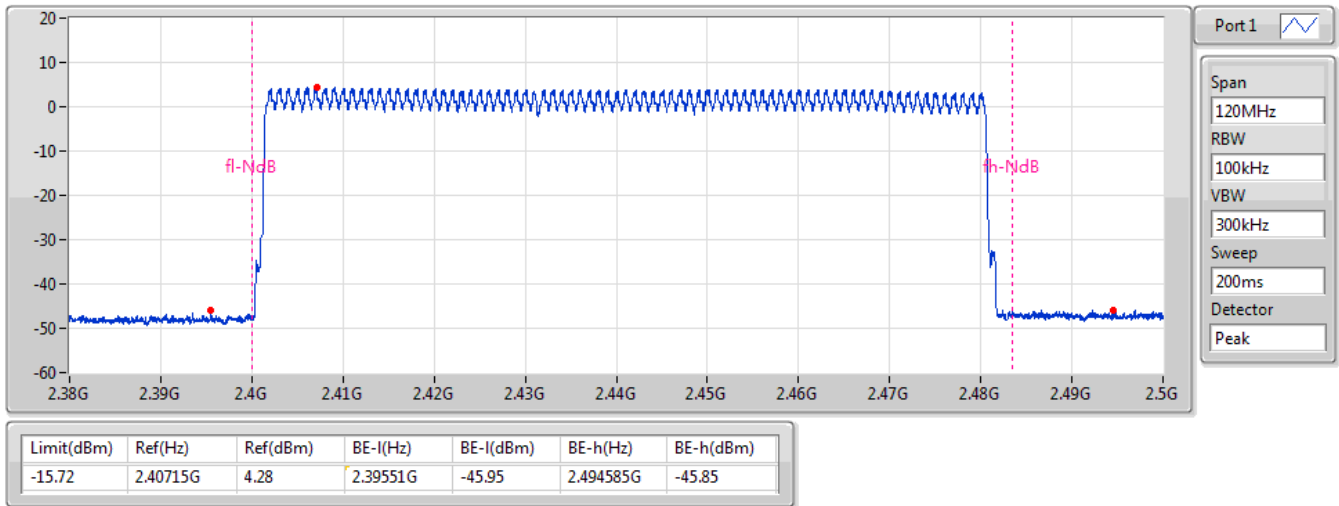


BT-EDR(2Mbps)

2440MHz

Hopping Ch Bandedge (Non-restricted Band)

30/12/2021

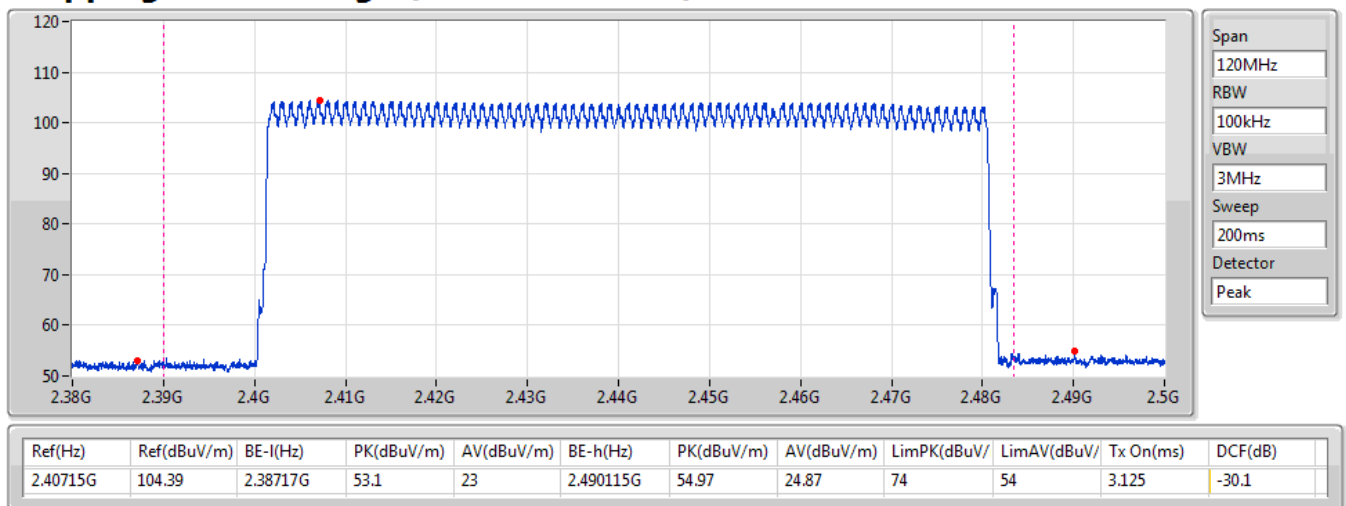


BT-EDR(2Mbps)

2440MHz

Hopping Ch Bandedge (Restricted Band)

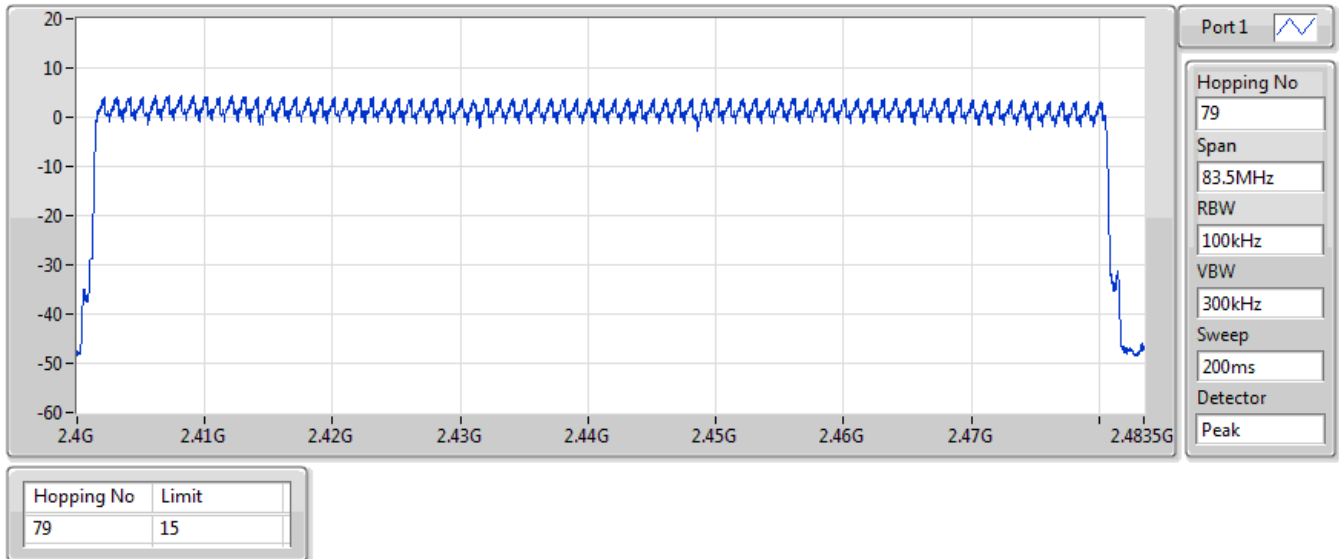
30/12/2021



BT-EDR(3Mbps) 2440MHz

Hopping-FS

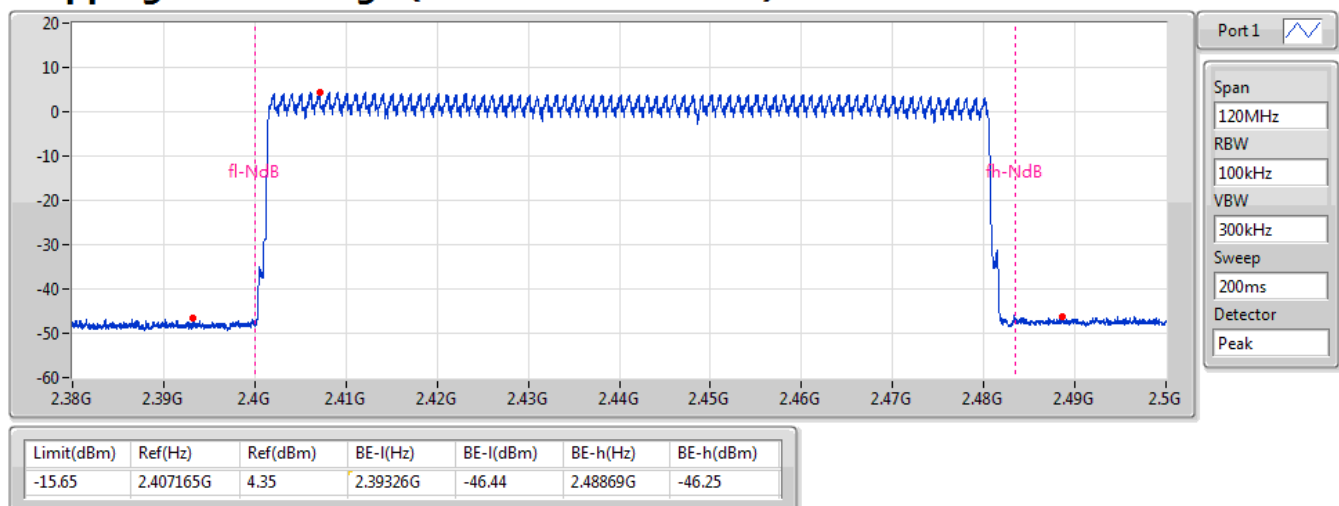
30/12/2021



BT-EDR(3Mbps) 2440MHz

Hopping Ch Bandedge (Non-restricted Band)

30/12/2021

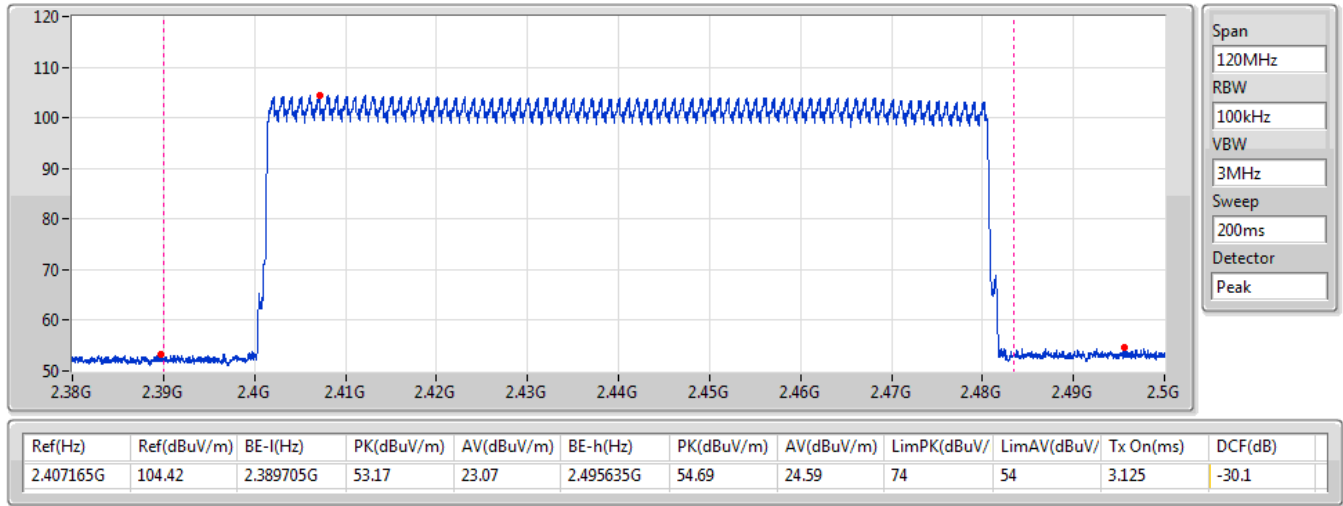


BT-EDR(3Mbps)

2440MHz

Hopping Ch Bandedge (Restricted Band)

30/12/2021





Summary

Mode	Max-Dwell (s)
2.4-2.4835GHz	-
BT-BR(1Mbps)	311.805m_DH5
BT-EDR(2Mbps)	312.0182m_DH5
BT-EDR(3Mbps)	311.77835m_DH5

Result

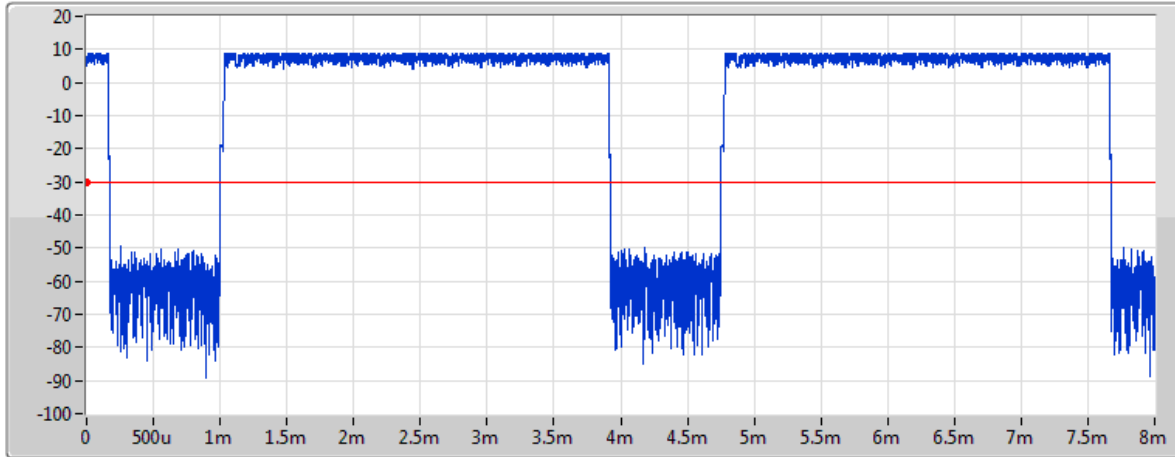
Mode	Result	Period (s)	Dwell (s)	Limit (s)	Tx On (s)
BT-BR(1Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	311.805m_DH5	400m	2.925m
2440MHz	Pass	8	155.9025m_DH5-AFH	400m	2.925m
BT-EDR(2Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	312.0182m_DH5	400m	2.927m
2440MHz	Pass	8	156.022425m_DH5-AFH	400m	2.92725m
BT-EDR(3Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	311.77835m_DH5	400m	2.92475m
2440MHz	Pass	8	155.889175m_DH5-AFH	400m	2.92475m

BT-BR(1Mbps)

Dwell-FS

2440MHz

29/12/2021



Port 1 

Ch Freq
2.44GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.925ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	311.805m_DH5	400m	2.925m

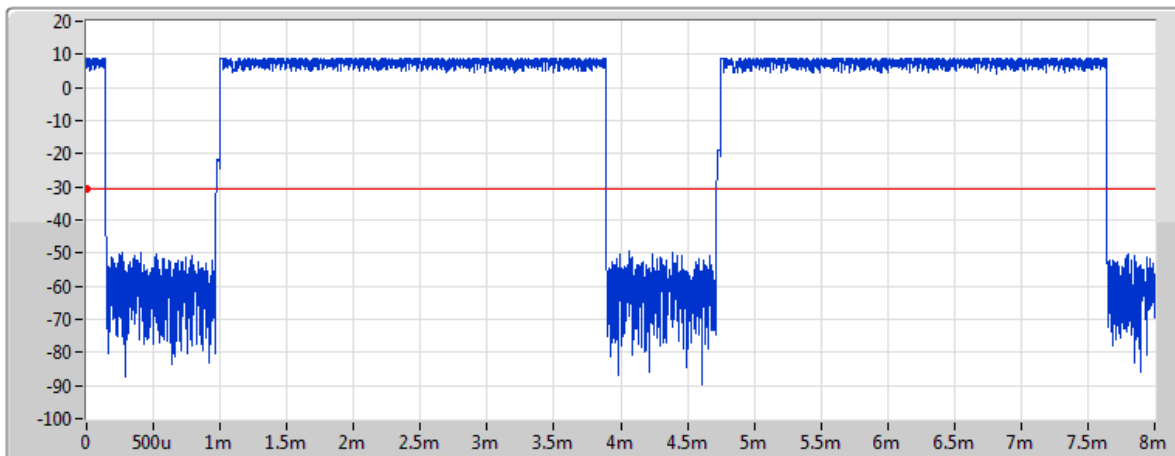
DH5

BT-BR(1Mbps)

Dwell-FS

2440MHz

29/12/2021



Port 1 

Ch Freq
2.44GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.925ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
8	155.9025m_DH5-AFH	400m	2.925m

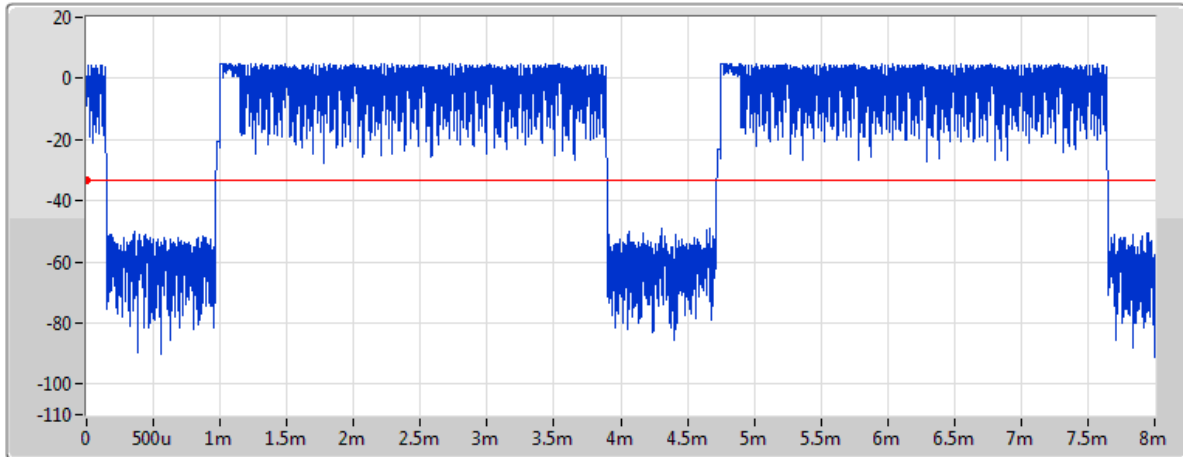
DH5-AFH

BT-EDR(2Mbps)

2440MHz

Dwell-FS

30/12/2021



Port 1 

Ch Freq
2.44GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.927ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	312.0182m_DH5	400m	2.927m

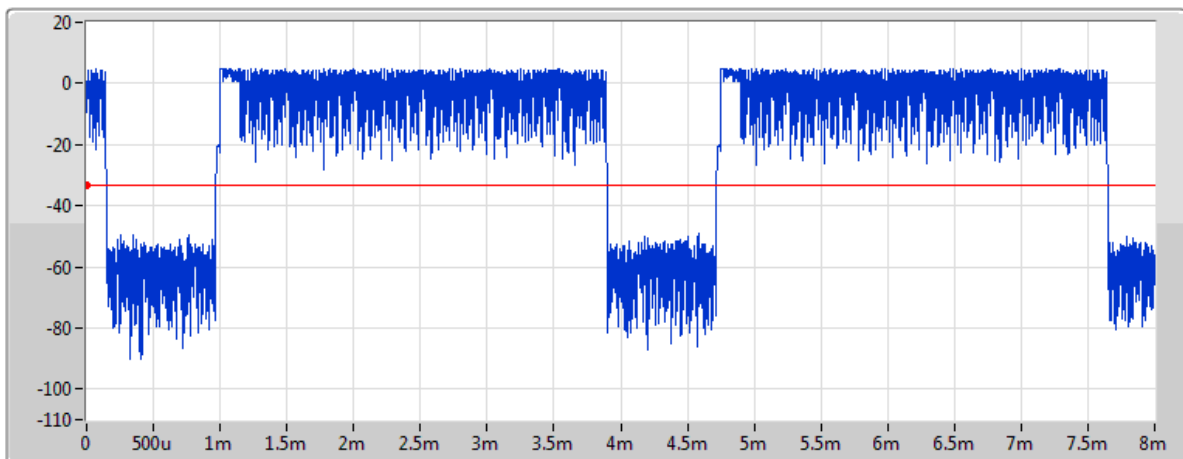
DH5

BT-EDR(2Mbps)

2440MHz

Dwell-FS

30/12/2021



Port 1 

Ch Freq
2.44GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.92725ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
8	156.022425m_DH5-AFI	400m	2.92725m

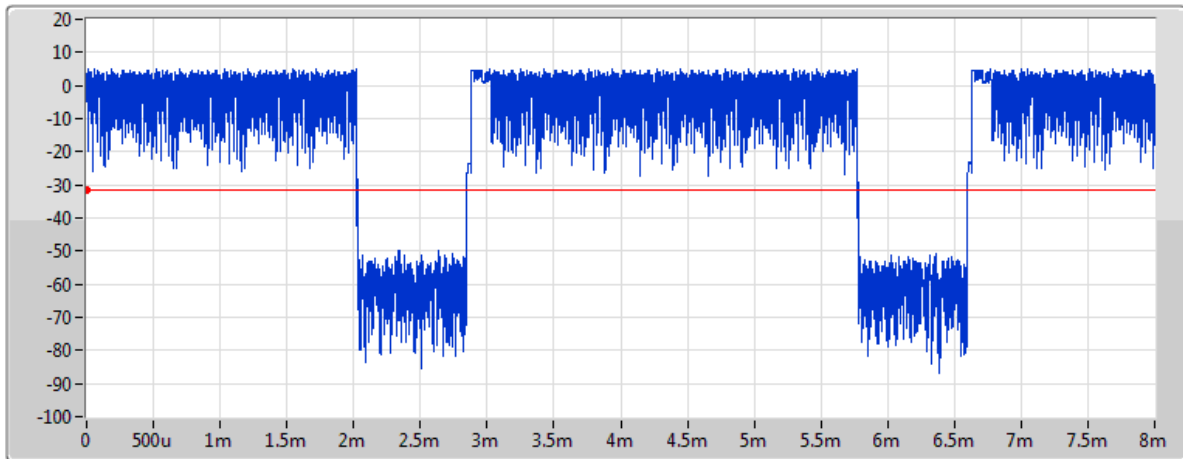
DH5-AFH

BT-EDR(3Mbps)

2440MHz

Dwell-FS

30/12/2021



Port 1 

Ch Freq
2.44GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.92475ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	311.77835m_DH5	400m	2.92475m

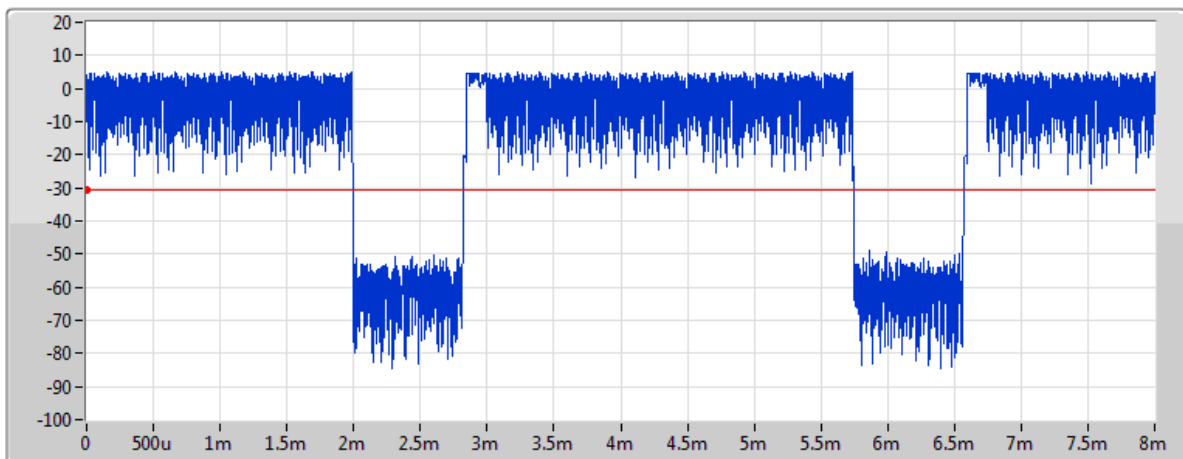
DH5

BT-EDR(3Mbps)

2440MHz

Dwell-FS

30/12/2021



Port 1 

Ch Freq
2.44GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.92475ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
8	155.889175m_DH5-AF1	400m	2.92475m

DH5-AFH



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-BR(1Mbps)	Pass	2.402G	7.03	-12.97	2.07538G	-54.66	2.39969G	-50.43	2.4G	-52.58	2.48659G	-52.04	15.32651G	-42.34	1
BT-EDR(2Mbps)	Pass	2.43991G	3.01	-16.99	2.12855G	-54.50	2.39191G	-54.19	2.4835G	-55.81	2.4859G	-51.08	24.83409G	-42.20	1
BT-EDR(3Mbps)	Pass	2.40217G	3.72	-16.28	1.81747G	-55.25	2.39952G	-50.19	2.4G	-52.17	2.49096G	-52.69	15.32088G	-41.95	1

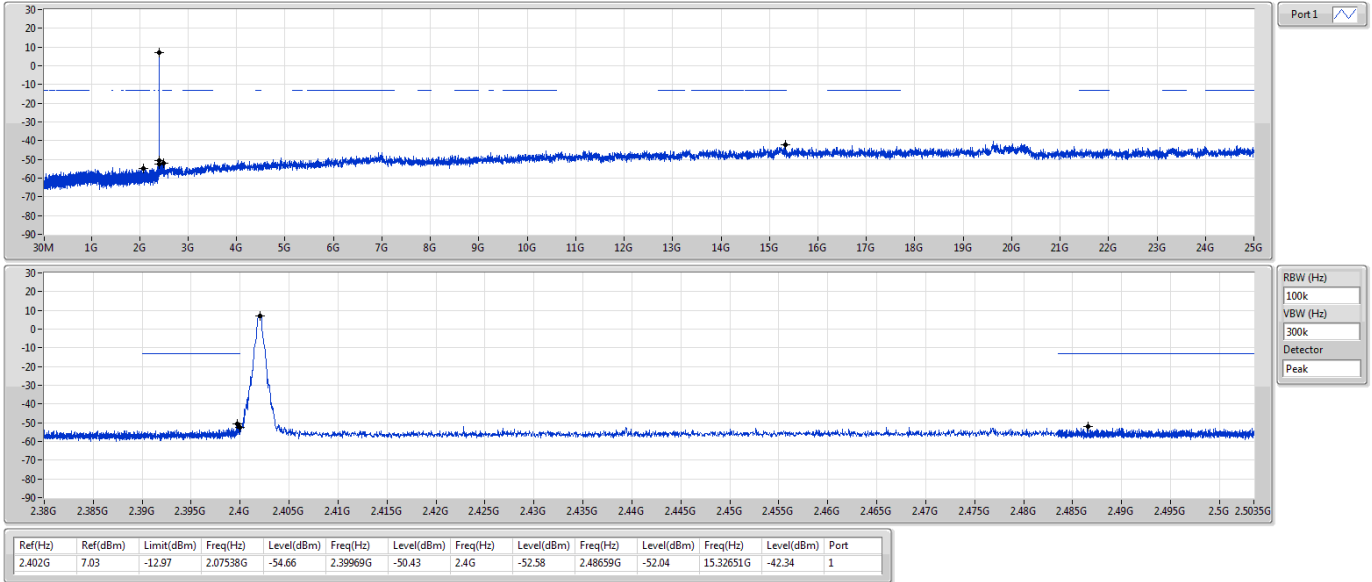
Result

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-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.402G	7.03	-12.97	2.07538G	-54.66	2.39969G	-50.43	2.4G	-52.58	2.48659G	-52.04	15.32651G	-42.34	1
2440MHz	Pass	2.44004G	7.12	-12.88	2.08831G	-54.95	2.39596G	-53.78	2.4835G	-54.91	2.49955G	-52.71	24.71036G	-42.14	1
2480MHz	Pass	2.48003G	6.16	-13.84	2.30098G	-55.48	2.39986G	-52.38	2.4835G	-54.73	2.48453G	-52.09	16.96031G	-41.39	1
BT-EDR(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.402G	3.92	-16.08	2.30509G	-54.71	2.39959G	-50.23	2.4G	-51.18	2.49048G	-52.02	24.36447G	-41.86	1
2440MHz	Pass	2.43991G	3.01	-16.99	2.12855G	-54.50	2.39191G	-54.19	2.4835G	-55.81	2.4859G	-51.08	24.83409G	-42.20	1
2480MHz	Pass	2.47991G	2.11	-17.89	2.10975G	-54.98	2.39991G	-53.82	2.4835G	-53.55	2.4878G	-52.09	24.74129G	-42.05	1
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40217G	3.72	-16.28	1.81747G	-55.25	2.39952G	-50.19	2.4G	-52.17	2.49096G	-52.69	15.32088G	-41.95	1
2440MHz	Pass	2.44012G	2.14	-17.86	1.97139G	-54.64	2.39092G	-53.62	2.4835G	-55.02	2.49023G	-52.72	24.7666G	-42.12	1
2480MHz	Pass	2.48016G	2.30	-17.70	2.10123G	-54.83	2.39512G	-53.75	2.4835G	-54.12	2.4845G	-52.65	15.24496G	-41.85	1

BT-BR(1Mbps)

CSENdB-FS

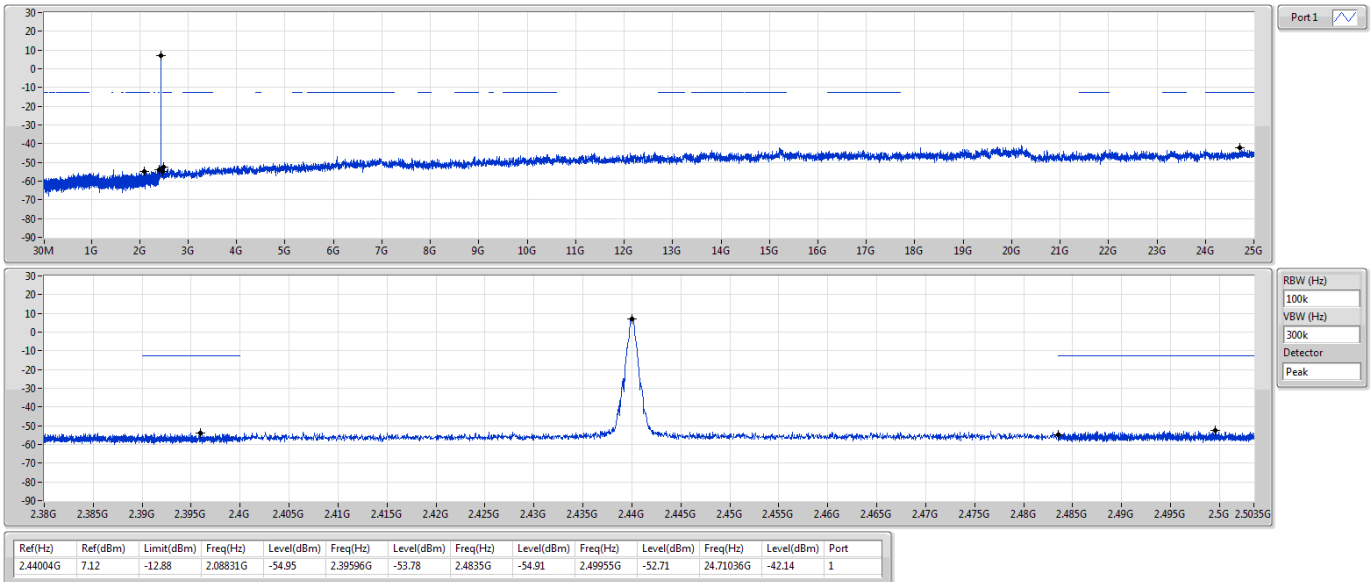
2402MHz



BT-BR(1Mbps)

CSENdB-FS

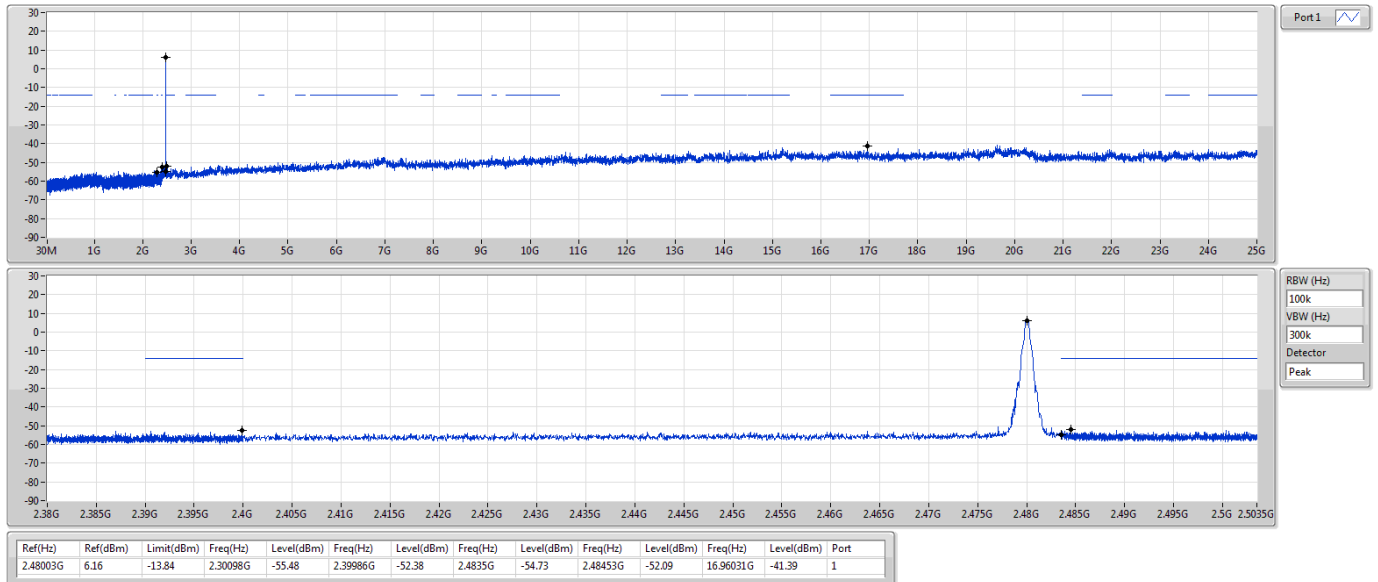
2440MHz



BT-BR(1Mbps)

CSEndB-FS

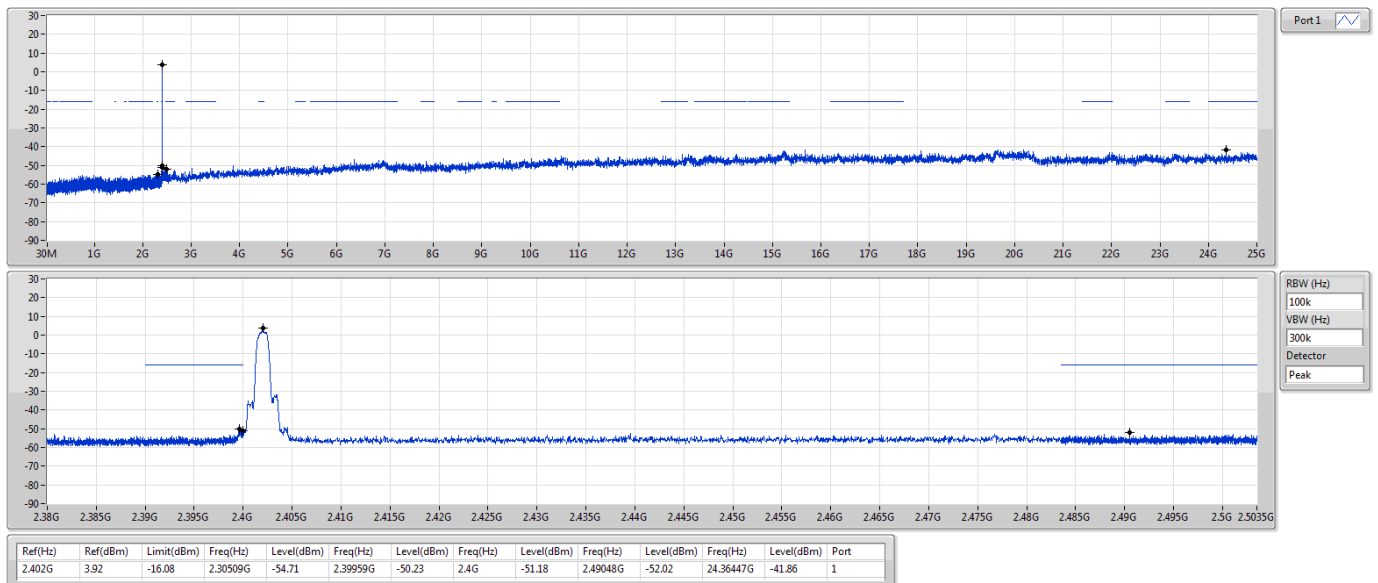
2480MHz



BT-EDR(2Mbps)

CSEndB-FS

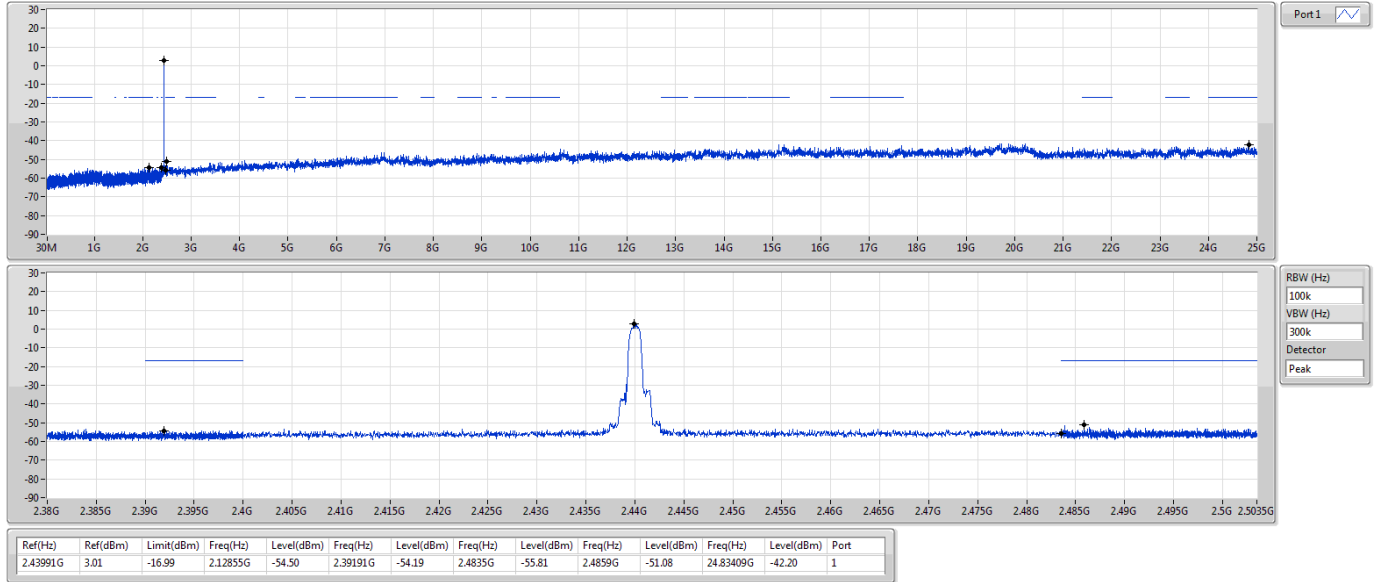
2402MHz



BT-EDR(2Mbps)

CSEndB-FS

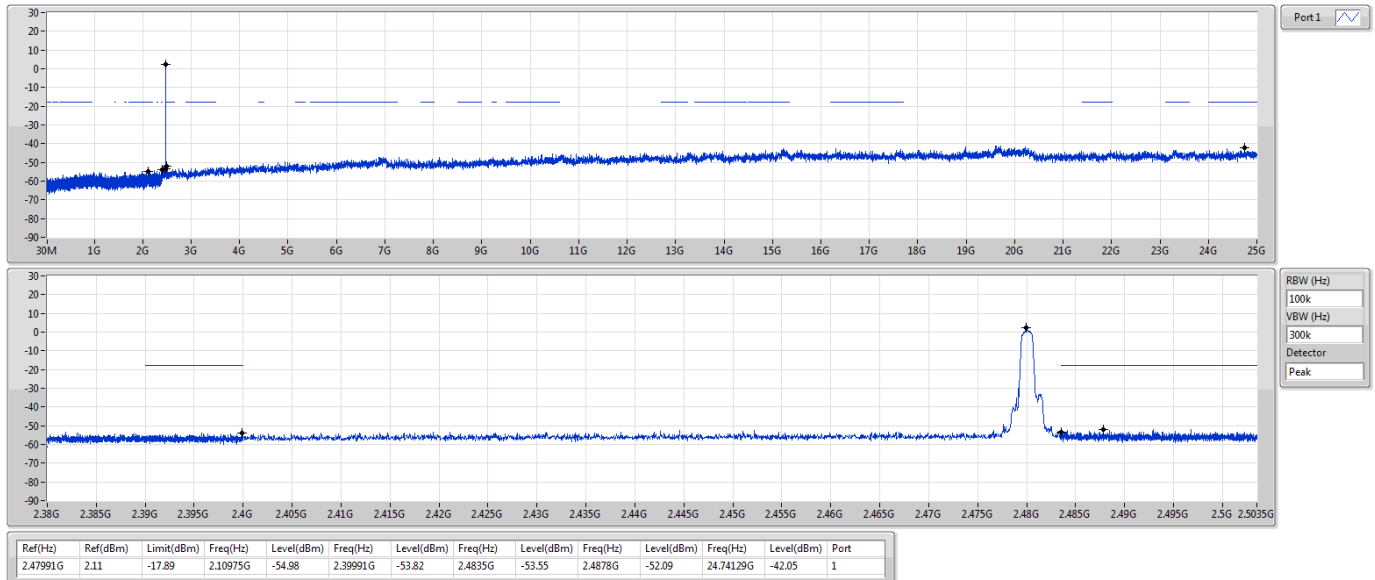
2440MHz



BT-EDR(2Mbps)

CSEndB-FS

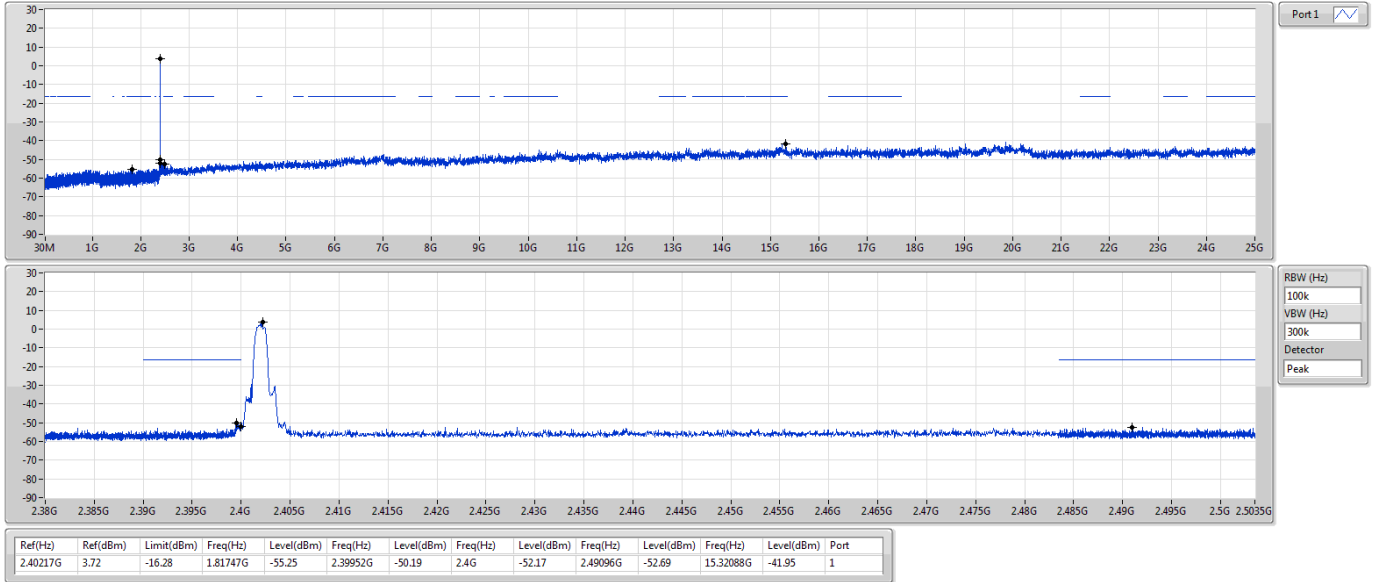
2480MHz



BT-EDR(3Mbps)

CSEndB-FS

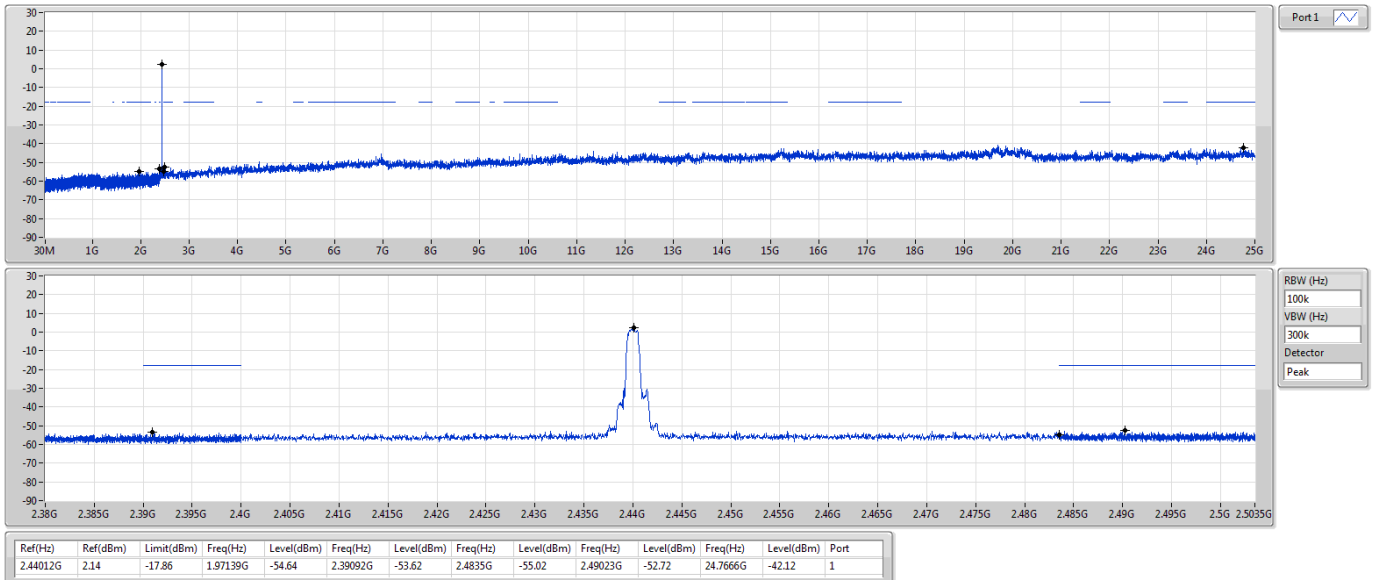
2402MHz



BT-EDR(3Mbps)

CSEndB-FS

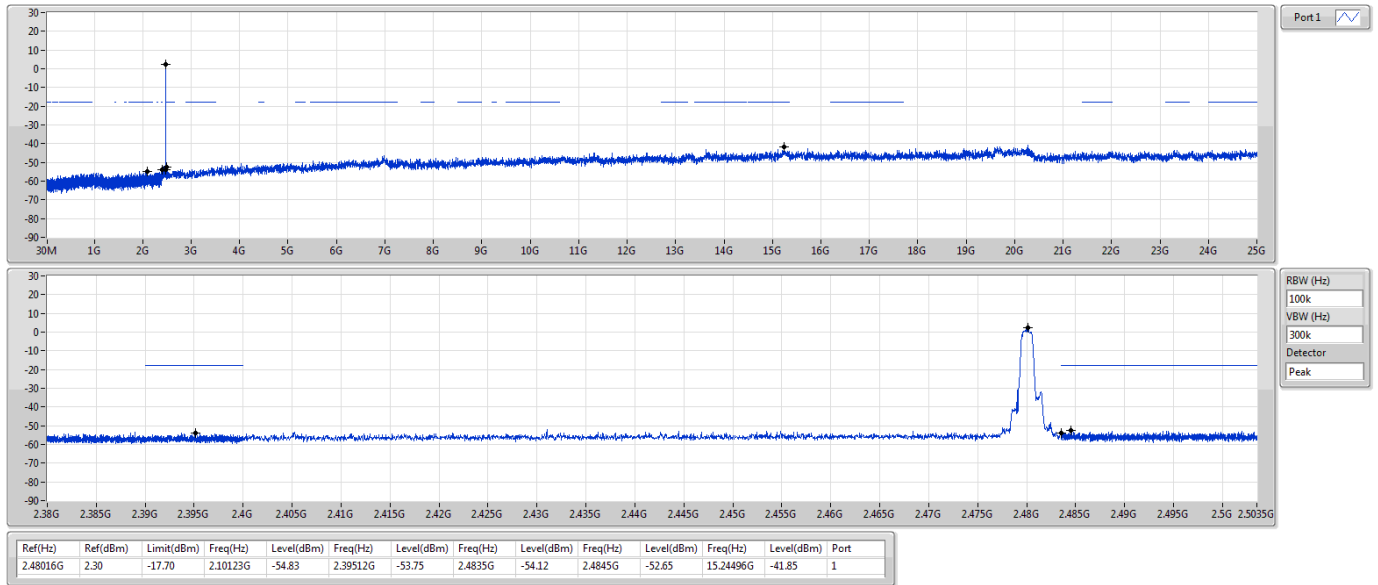
2440MHz



BT-EDR(3Mbps)

CSEndB-FS

2480MHz





Summary

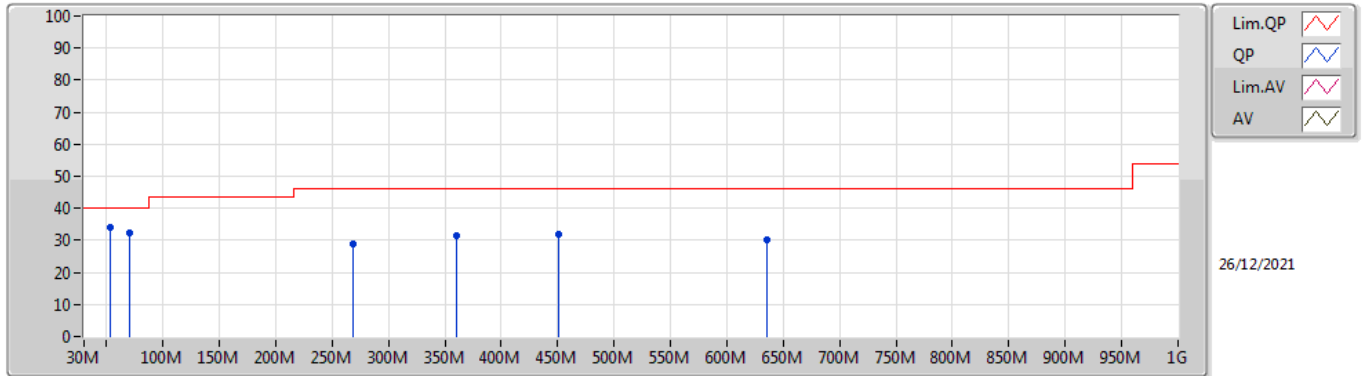
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	PK	53.28M	34.13	40.00	-5.87	3	Vertical	0	1.00	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-
2440MHz	Pass	PK	53.28M	34.13	40.00	-5.87	3	Vertical	0	1.00	-
2440MHz	Pass	PK	70.74M	32.14	40.00	-7.86	3	Vertical	0	1.00	-
2440MHz	Pass	PK	268.62M	29.03	46.00	-16.97	3	Vertical	0	1.00	-
2440MHz	Pass	PK	359.8M	31.45	46.00	-14.55	3	Vertical	0	1.00	-
2440MHz	Pass	PK	450.98M	31.69	46.00	-14.31	3	Vertical	0	1.00	-
2440MHz	Pass	PK	635.28M	30.14	46.00	-15.86	3	Vertical	0	1.00	-
2440MHz	Pass	PK	39.7M	31.32	40.00	-8.68	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	53.28M	31.01	40.00	-8.99	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	268.62M	28.42	46.00	-17.58	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	355.92M	32.65	46.00	-13.35	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	515M	30.03	46.00	-15.97	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	643.04M	30.30	46.00	-15.70	3	Horizontal	360	1.00	-

BT-BR(1Mbps)

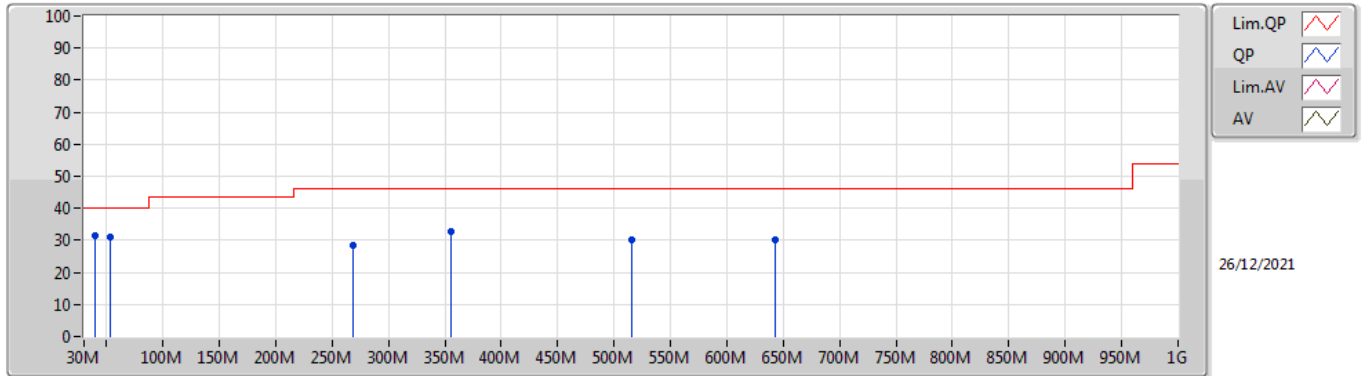
2440MHz_Switching Power Supply



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	53.28M	34.13	40.00	-5.87	-14.42	3	Vertical	0	1.00	-	48.55	12.22	1.09	27.73
PK	70.74M	32.14	40.00	-7.86	-15.29	3	Vertical	0	1.00	-	47.43	11.35	1.23	27.87
PK	268.62M	29.03	46.00	-16.97	-6.59	3	Vertical	0	1.00	-	35.62	18.21	2.23	27.03
PK	359.8M	31.45	46.00	-14.55	-4.90	3	Vertical	0	1.00	-	36.35	19.93	2.59	27.42
PK	450.98M	31.69	46.00	-14.31	-3.25	3	Vertical	0	1.00	-	34.94	21.93	2.90	28.08
PK	635.28M	30.14	46.00	-15.86	-0.54	3	Vertical	0	1.00	-	30.68	24.30	3.43	28.27

BT-BR(1Mbps)

2440MHz_Switching Power Supply



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	39.7M	31.32	40.00	-8.68	-8.49	3	Horizontal	360	1.00	-	39.81	17.92	0.96	27.37
PK	53.28M	31.01	40.00	-8.99	-14.42	3	Horizontal	360	1.00	-	45.43	12.22	1.09	27.73
PK	268.62M	28.42	46.00	-17.58	-6.59	3	Horizontal	360	1.00	-	35.01	18.21	2.23	27.03
PK	355.92M	32.65	46.00	-13.35	-5.00	3	Horizontal	360	1.00	-	37.65	19.81	2.57	27.38
PK	515M	30.03	46.00	-15.97	-2.60	3	Horizontal	360	1.00	-	32.63	22.63	3.11	28.34
PK	643.04M	30.30	46.00	-15.70	-0.54	3	Horizontal	360	1.00	-	30.84	24.25	3.44	28.23



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-BR(1Mbps)	Pass	PK	2.4835G	59.64	74.00	-14.36	3	Horizontal	185	2.59	-
BT-EDR(3Mbps)	Pass	PK	2.3826G	59.45	74.00	-14.55	3	Horizontal	171	2.92	-

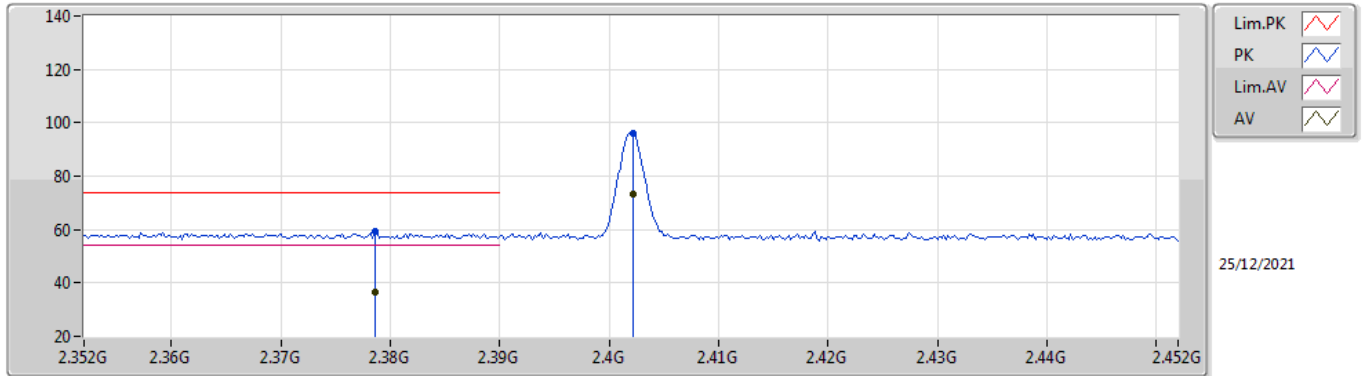
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3786G	36.65	54.00	-17.35	3	Vertical	75	2.08	-
2402MHz	Pass	AV	2.4022G	73.41	Inf	-Inf	3	Vertical	75	2.08	-
2402MHz	Pass	PK	2.3786G	59.15	74.00	-14.85	3	Vertical	75	2.08	-
2402MHz	Pass	PK	2.4022G	95.91	Inf	-Inf	3	Vertical	75	2.08	-
2402MHz	Pass	AV	2.36G	36.54	54.00	-17.46	3	Horizontal	172	2.93	-
2402MHz	Pass	AV	2.4022G	80.46	Inf	-Inf	3	Horizontal	172	2.93	-
2402MHz	Pass	PK	2.36G	59.04	74.00	-14.96	3	Horizontal	172	2.93	-
2402MHz	Pass	PK	2.4022G	102.96	Inf	-Inf	3	Horizontal	172	2.93	-
2402MHz	Pass	AV	4.81738G	20.06	54.00	-33.94	3	Vertical	228	2.58	-
2402MHz	Pass	PK	4.81738G	42.56	74.00	-31.44	3	Vertical	228	2.58	-
2402MHz	Pass	AV	4.79398G	20.71	54.00	-33.29	3	Horizontal	147	2.58	-
2402MHz	Pass	PK	4.79398G	43.21	74.00	-30.79	3	Horizontal	147	2.58	-
2440MHz	Pass	AV	2.3648G	36.97	54.00	-17.03	3	Vertical	76	2.19	-
2440MHz	Pass	AV	2.44G	74.13	Inf	-Inf	3	Vertical	76	2.19	-
2440MHz	Pass	AV	2.4896G	35.85	54.00	-18.15	3	Vertical	76	2.19	-
2440MHz	Pass	PK	2.3648G	59.47	74.00	-14.53	3	Vertical	76	2.19	-
2440MHz	Pass	PK	2.44G	96.63	Inf	-Inf	3	Vertical	76	2.19	-
2440MHz	Pass	PK	2.4896G	58.35	74.00	-15.65	3	Vertical	76	2.19	-
2440MHz	Pass	AV	2.3444G	36.37	54.00	-17.63	3	Horizontal	183	2.03	-
2440MHz	Pass	AV	2.44G	83.75	Inf	-Inf	3	Horizontal	183	2.03	-
2440MHz	Pass	AV	2.49G	35.87	54.00	-18.13	3	Horizontal	183	2.03	-
2440MHz	Pass	PK	2.3444G	58.87	74.00	-15.13	3	Horizontal	183	2.03	-
2440MHz	Pass	PK	2.44G	106.25	Inf	-Inf	3	Horizontal	183	2.03	-
2440MHz	Pass	PK	2.49G	58.37	74.00	-15.63	3	Horizontal	183	2.03	-
2440MHz	Pass	AV	4.8816G	20.05	54.00	-33.95	3	Vertical	8	1.92	-
2440MHz	Pass	PK	4.8816G	42.55	74.00	-31.45	3	Vertical	8	1.92	-
2440MHz	Pass	AV	4.88115G	20.69	54.00	-33.31	3	Horizontal	316	1.85	-
2440MHz	Pass	PK	4.88115G	43.19	74.00	-30.81	3	Horizontal	316	1.85	-
2480MHz	Pass	AV	2.4802G	75.64	Inf	-Inf	3	Vertical	65	3.00	-
2480MHz	Pass	AV	2.4968G	37.11	54.00	-16.89	3	Vertical	65	3.00	-
2480MHz	Pass	PK	2.4802G	98.14	Inf	-Inf	3	Vertical	65	3.00	-
2480MHz	Pass	PK	2.4968G	59.61	74.00	-14.39	3	Vertical	65	3.00	-
2480MHz	Pass	AV	2.4802G	83.73	Inf	-Inf	3	Horizontal	185	2.59	-
2480MHz	Pass	AV	2.4835G	37.14	54.00	-16.86	3	Horizontal	185	2.59	-
2480MHz	Pass	PK	2.4802G	106.23	Inf	-Inf	3	Horizontal	185	2.59	-
2480MHz	Pass	PK	2.4835G	59.64	74.00	-14.36	3	Horizontal	185	2.59	-
2480MHz	Pass	AV	4.95887G	21.32	54.00	-32.68	3	Vertical	162	1.10	-
2480MHz	Pass	PK	4.95887G	43.82	74.00	-30.18	3	Vertical	162	1.10	-
2480MHz	Pass	AV	4.95825G	20.66	54.00	-33.34	3	Horizontal	83	1.56	-
2480MHz	Pass	PK	4.95825G	43.16	74.00	-30.84	3	Horizontal	83	1.56	-
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3532G	36.86	54.00	-17.14	3	Vertical	100	2.70	-
2402MHz	Pass	AV	2.4018G	72.13	Inf	-Inf	3	Vertical	100	2.70	-
2402MHz	Pass	PK	2.3532G	59.36	74.00	-14.64	3	Vertical	100	2.70	-
2402MHz	Pass	PK	2.4018G	94.63	Inf	-Inf	3	Vertical	100	2.70	-
2402MHz	Pass	AV	2.3826G	36.95	54.00	-17.05	3	Horizontal	171	2.92	-
2402MHz	Pass	AV	2.4018G	79.10	Inf	-Inf	3	Horizontal	171	2.92	-
2402MHz	Pass	PK	2.3826G	59.45	74.00	-14.55	3	Horizontal	171	2.92	-
2402MHz	Pass	PK	2.4018G	101.60	Inf	-Inf	3	Horizontal	171	2.92	-
2402MHz	Pass	AV	4.80377G	20.09	54.00	-33.91	3	Vertical	326	2.62	-
2402MHz	Pass	PK	4.80377G	42.59	74.00	-31.41	3	Vertical	326	2.62	-
2402MHz	Pass	AV	4.80628G	20.23	54.00	-33.77	3	Horizontal	154	1.30	-
2402MHz	Pass	PK	4.80628G	42.73	74.00	-31.27	3	Horizontal	154	1.30	-
2440MHz	Pass	AV	2.372G	36.85	54.00	-17.15	3	Vertical	75	2.19	-
2440MHz	Pass	AV	2.44G	71.32	Inf	-Inf	3	Vertical	75	2.19	-
2440MHz	Pass	AV	2.4892G	36.08	54.00	-17.92	3	Vertical	75	2.19	-
2440MHz	Pass	PK	2.372G	59.35	74.00	-14.65	3	Vertical	75	2.19	-
2440MHz	Pass	PK	2.44G	93.82	Inf	-Inf	3	Vertical	75	2.19	-
2440MHz	Pass	PK	2.4892G	58.58	74.00	-15.42	3	Vertical	75	2.19	-
2440MHz	Pass	AV	2.362G	36.74	54.00	-17.26	3	Horizontal	184	2.03	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2440MHz	Pass	AV	2.4396G	80.83	Inf	-Inf	3	Horizontal	184	2.03	-
2440MHz	Pass	AV	2.4992G	36.00	54.00	-18.00	3	Horizontal	184	2.03	-
2440MHz	Pass	PK	2.362G	59.24	74.00	-14.76	3	Horizontal	184	2.03	-
2440MHz	Pass	PK	2.4396G	103.33	Inf	-Inf	3	Horizontal	184	2.03	-
2440MHz	Pass	PK	2.4992G	58.50	74.00	-15.50	3	Horizontal	184	2.03	-
2440MHz	Pass	AV	4.88053G	21.02	54.00	-32.98	3	Vertical	148	1.50	-
2440MHz	Pass	PK	4.88053G	43.52	74.00	-30.48	3	Vertical	148	1.50	-
2440MHz	Pass	AV	4.88002G	20.42	54.00	-33.58	3	Horizontal	157	1.49	-
2440MHz	Pass	PK	4.88002G	42.92	74.00	-31.08	3	Horizontal	157	1.49	-
2480MHz	Pass	AV	2.4798G	72.31	Inf	-Inf	3	Vertical	76	2.61	-
2480MHz	Pass	AV	2.4926G	36.27	54.00	-17.73	3	Vertical	76	2.61	-
2480MHz	Pass	PK	2.4798G	94.81	Inf	-Inf	3	Vertical	76	2.61	-
2480MHz	Pass	PK	2.4926G	58.77	74.00	-15.23	3	Vertical	76	2.61	-
2480MHz	Pass	AV	2.4798G	81.57	Inf	-Inf	3	Horizontal	186	2.65	-
2480MHz	Pass	AV	2.4836G	36.55	54.00	-17.45	3	Horizontal	186	2.65	-
2480MHz	Pass	PK	2.4798G	104.07	Inf	-Inf	3	Horizontal	186	2.65	-
2480MHz	Pass	PK	2.4836G	59.05	74.00	-14.95	3	Horizontal	186	2.65	-
2480MHz	Pass	AV	4.95783G	20.95	54.00	-33.05	3	Vertical	33	1.93	-
2480MHz	Pass	PK	4.95783G	43.45	74.00	-30.55	3	Vertical	33	1.93	-
2480MHz	Pass	AV	4.95919G	20.94	54.00	-33.06	3	Horizontal	177	2.55	-
2480MHz	Pass	PK	4.95919G	43.44	74.00	-30.56	3	Horizontal	177	2.55	-

BT-BR(1Mbps)

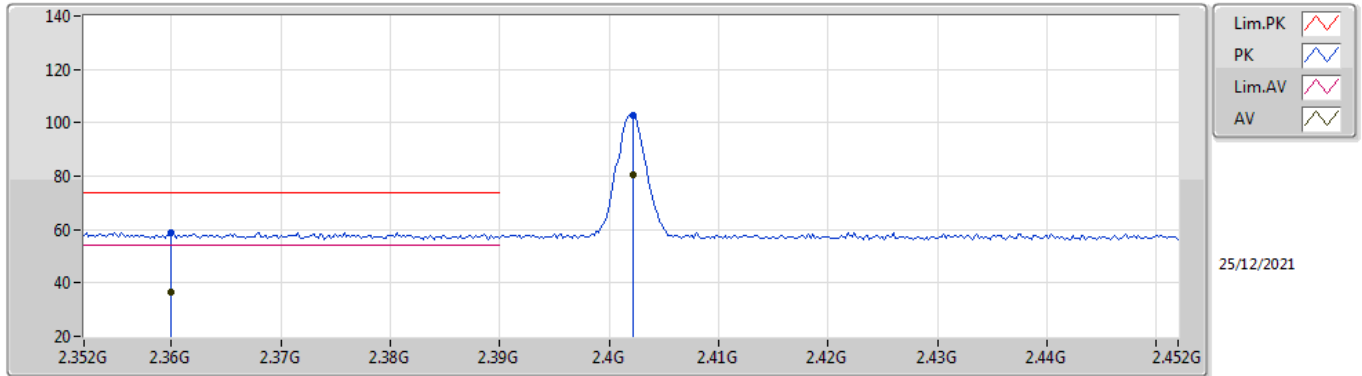
2402MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3786G	36.65	54.00	-17.35	34.99	3	Vertical	75	2.08	-	1.66	27.74	7.25	-
AV	2.4022G	73.41	Inf	-Inf	34.95	3	Vertical	75	2.08	-	38.46	27.69	7.26	-
PK	2.3786G	59.15	74.00	-14.85	34.99	3	Vertical	75	2.08	-	24.16	27.74	7.25	-
PK	2.4022G	95.91	Inf	-Inf	34.95	3	Vertical	75	2.08	-	60.96	27.69	7.26	-

BT-BR(1Mbps)

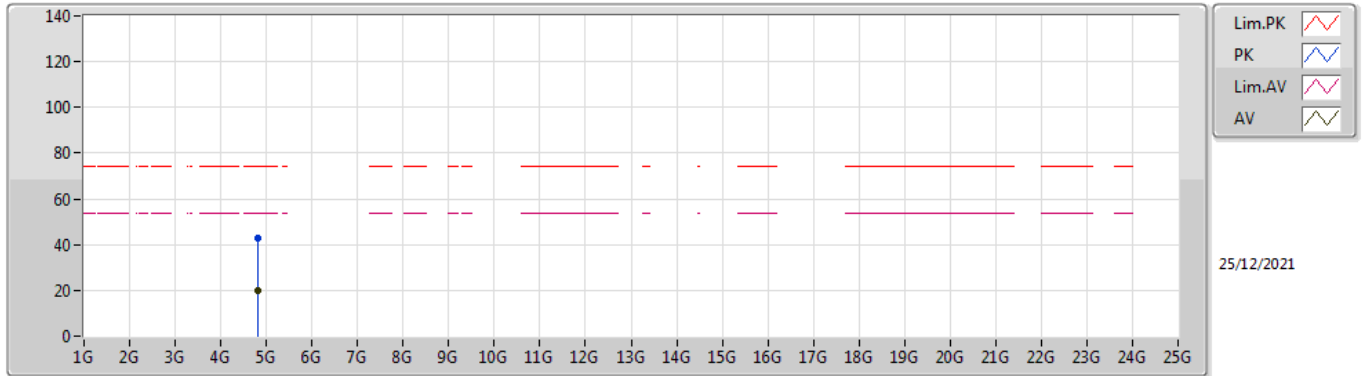
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.36G	36.54	54.00	-17.46	35.02	3	Horizontal	172	2.93	-	1.52	27.78	7.24	-
AV	2.4022G	80.46	Inf	-Inf	34.95	3	Horizontal	172	2.93	-	45.51	27.69	7.26	-
PK	2.36G	59.04	74.00	-14.96	35.02	3	Horizontal	172	2.93	-	24.02	27.78	7.24	-
PK	2.4022G	102.96	Inf	-Inf	34.95	3	Horizontal	172	2.93	-	68.01	27.69	7.26	-

BT-BR(1Mbps)

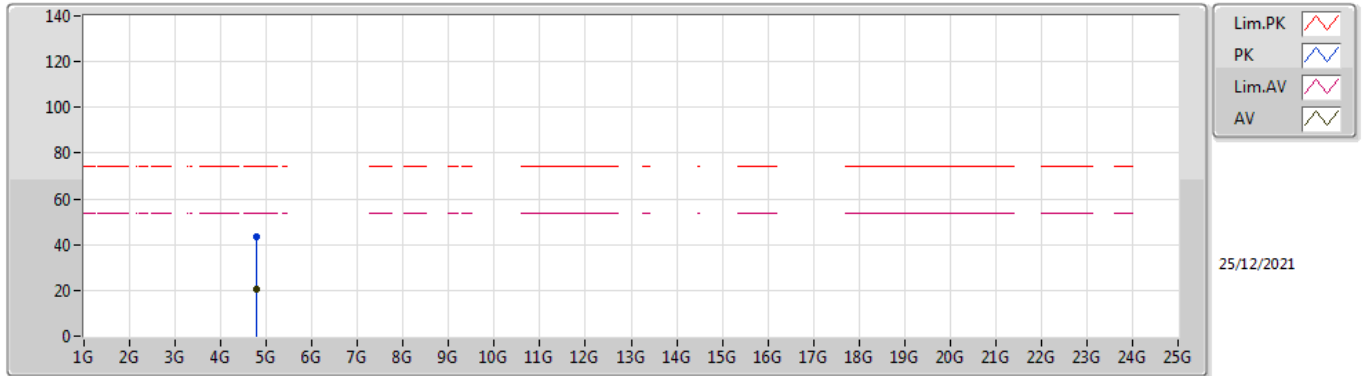
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.81738G	20.06	54.00	-33.94	5.85	3	Vertical	228	2.58	-	14.21	31.13	8.91	34.19
PK	4.81738G	42.56	74.00	-31.44	5.85	3	Vertical	228	2.58	-	36.71	31.13	8.91	34.19

BT-BR(1Mbps)

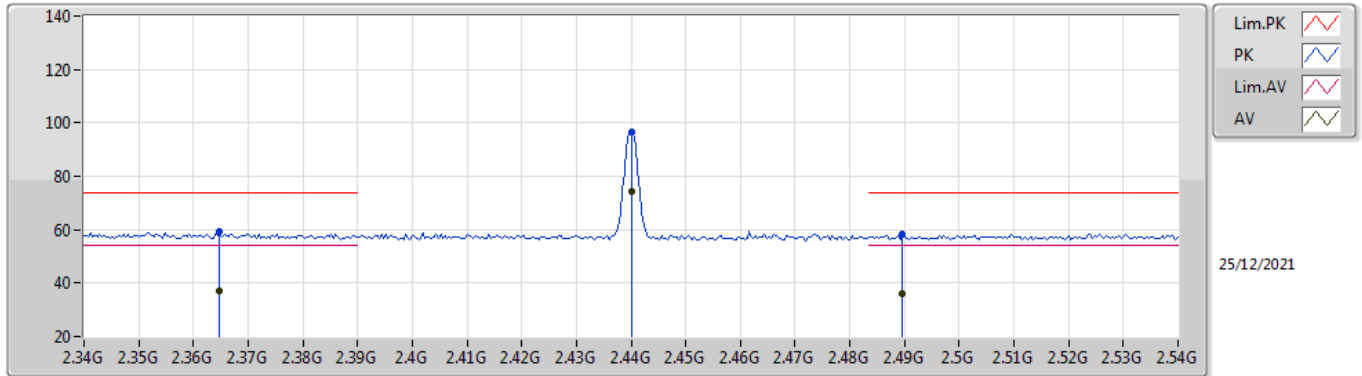
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.79398G	20.71	54.00	-33.29	5.81	3	Horizontal	147	2.58	-	14.90	31.12	8.89	34.20
PK	4.79398G	43.21	74.00	-30.79	5.81	3	Horizontal	147	2.58	-	37.40	31.12	8.89	34.20

BT-BR(1Mbps)

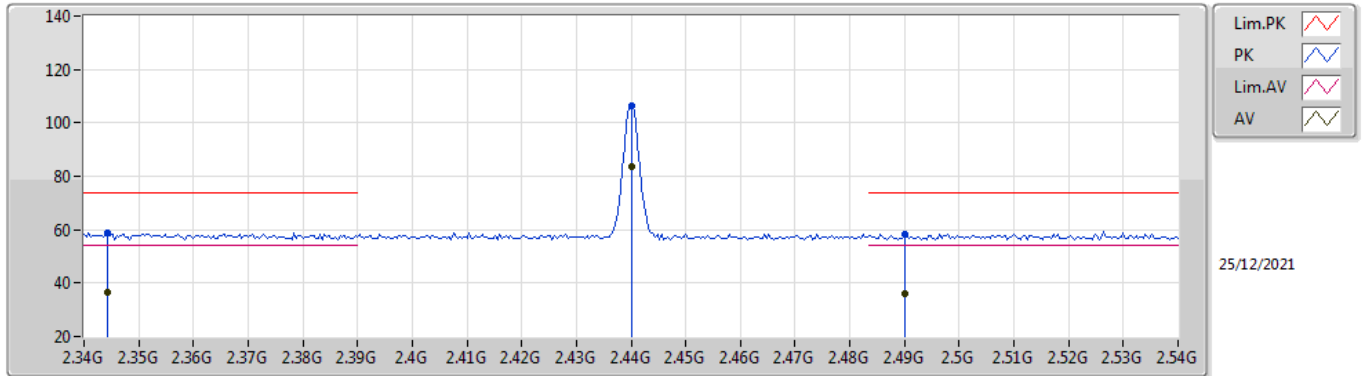
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3648G	36.97	54.00	-17.03	35.01	3	Vertical	76	2.19	-	1.96	27.77	7.24	-
AV	2.44G	74.13	Inf	-Inf	34.75	3	Vertical	76	2.19	-	39.38	27.46	7.29	-
AV	2.4896G	35.85	54.00	-18.15	34.73	3	Vertical	76	2.19	-	1.12	27.40	7.33	-
PK	2.3648G	59.47	74.00	-14.53	35.01	3	Vertical	76	2.19	-	24.46	27.77	7.24	-
PK	2.44G	96.63	Inf	-Inf	34.75	3	Vertical	76	2.19	-	61.88	27.46	7.29	-
PK	2.4896G	58.35	74.00	-15.65	34.73	3	Vertical	76	2.19	-	23.62	27.40	7.33	-

BT-BR(1Mbps)

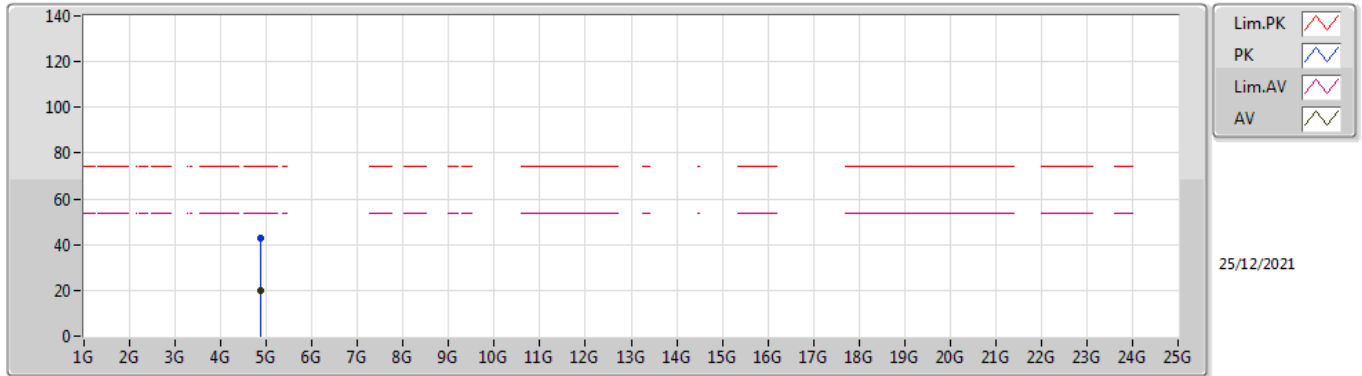
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3444G	36.37	54.00	-17.63	35.04	3	Horizontal	183	2.03	-	1.33	27.81	7.23	-
AV	2.44G	83.75	Inf	-Inf	34.75	3	Horizontal	183	2.03	-	49.00	27.46	7.29	-
AV	2.49G	35.87	54.00	-18.13	34.73	3	Horizontal	183	2.03	-	1.14	27.40	7.33	-
PK	2.3444G	58.87	74.00	-15.13	35.04	3	Horizontal	183	2.03	-	23.83	27.81	7.23	-
PK	2.44G	106.25	Inf	-Inf	34.75	3	Horizontal	183	2.03	-	71.50	27.46	7.29	-
PK	2.49G	58.37	74.00	-15.63	34.73	3	Horizontal	183	2.03	-	23.64	27.40	7.33	-

BT-BR(1Mbps)

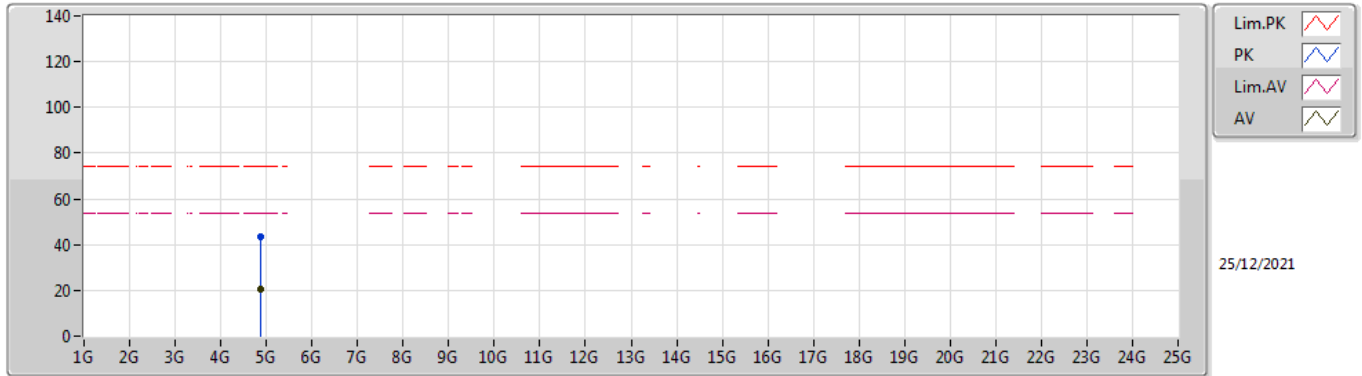
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8816G	20.05	54.00	-33.95	6.00	3	Vertical	8	1.92	-	14.05	31.20	8.96	34.16
PK	4.8816G	42.55	74.00	-31.45	6.00	3	Vertical	8	1.92	-	36.55	31.20	8.96	34.16

BT-BR(1Mbps)

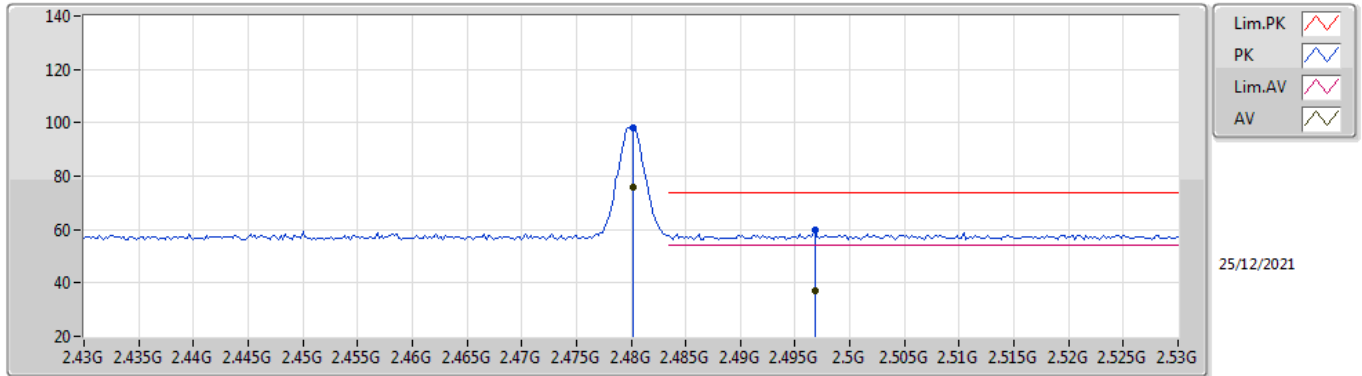
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.88115G	20.69	54.00	-33.31	6.00	3	Horizontal	316	1.85	-	14.69	31.20	8.96	34.16
PK	4.88115G	43.19	74.00	-30.81	6.00	3	Horizontal	316	1.85	-	37.19	31.20	8.96	34.16

BT-BR(1Mbps)

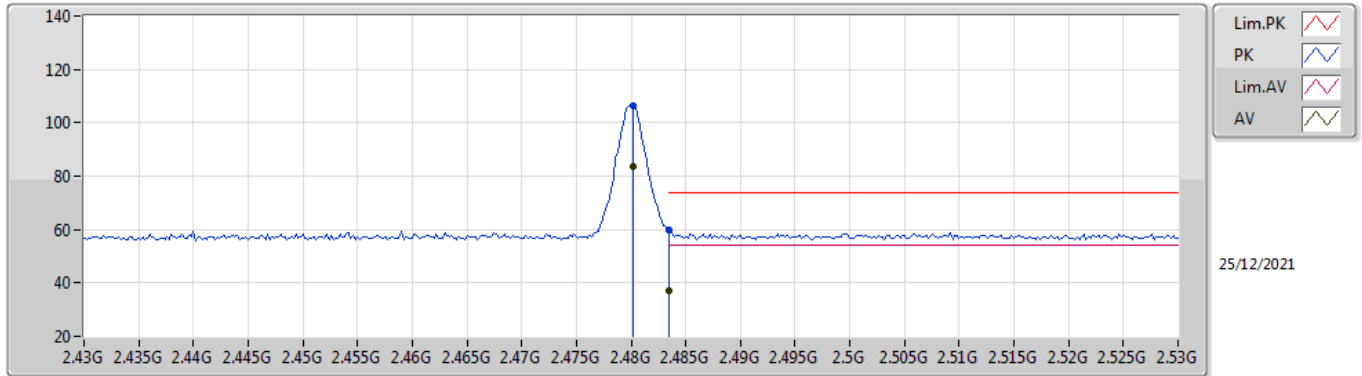
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4802G	75.64	Inf	-Inf	34.72	3	Vertical	65	3.00	-	40.92	27.40	7.32	-
AV	2.4968G	37.11	54.00	-16.89	34.74	3	Vertical	65	3.00	-	2.37	27.40	7.34	-
PK	2.4802G	98.14	Inf	-Inf	34.72	3	Vertical	65	3.00	-	63.42	27.40	7.32	-
PK	2.4968G	59.61	74.00	-14.39	34.74	3	Vertical	65	3.00	-	24.87	27.40	7.34	-

BT-BR(1Mbps)

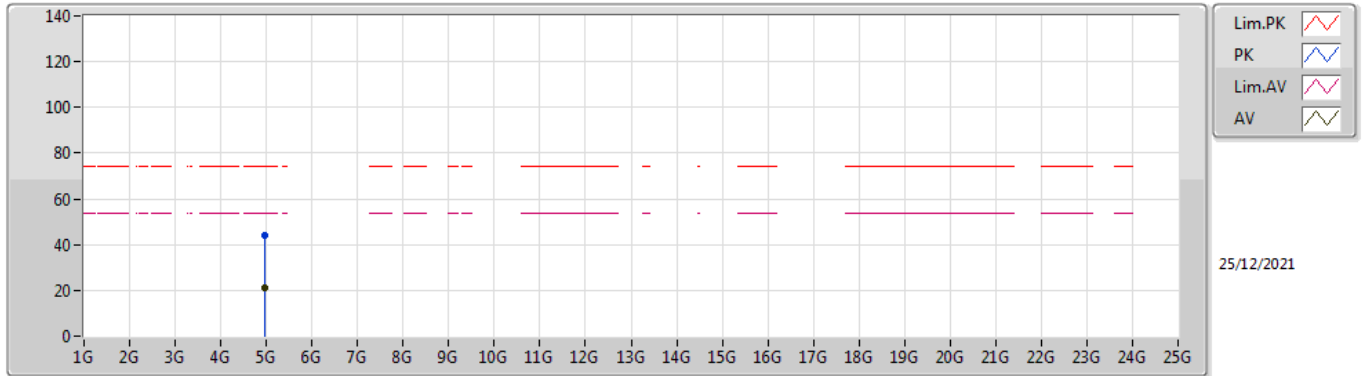
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4802G	83.73	Inf	-Inf	34.72	3	Horizontal	185	2.59	-	49.01	27.40	7.32	-
AV	2.4835G	37.14	54.00	-16.86	34.73	3	Horizontal	185	2.59	-	2.41	27.40	7.33	-
PK	2.4802G	106.23	Inf	-Inf	34.72	3	Horizontal	185	2.59	-	71.51	27.40	7.32	-
PK	2.4835G	59.64	74.00	-14.36	34.73	3	Horizontal	185	2.59	-	24.91	27.40	7.33	-

BT-BR(1Mbps)

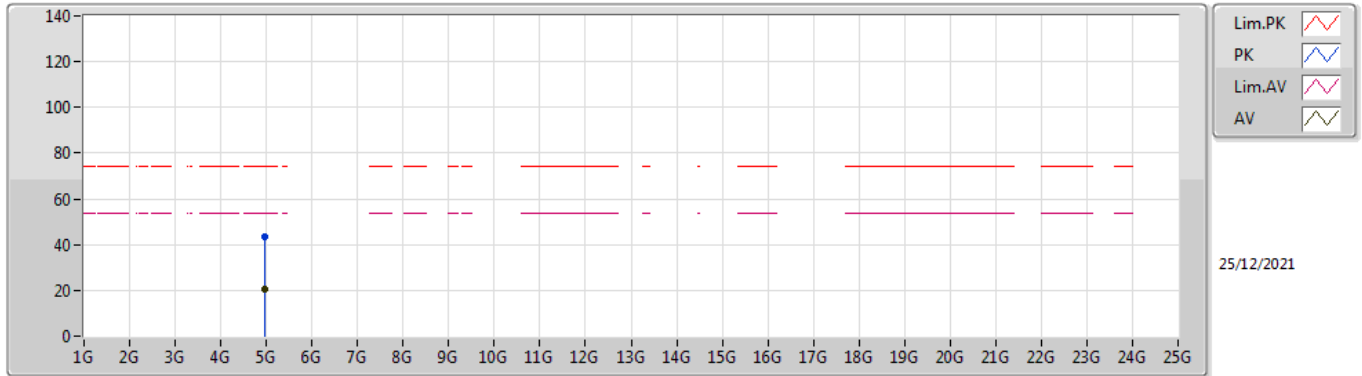
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.95887G	21.32	54.00	-32.68	6.32	3	Vertical	162	1.10	-	15.00	31.42	9.02	34.12
PK	4.95887G	43.82	74.00	-30.18	6.32	3	Vertical	162	1.10	-	37.50	31.42	9.02	34.12

BT-BR(1Mbps)

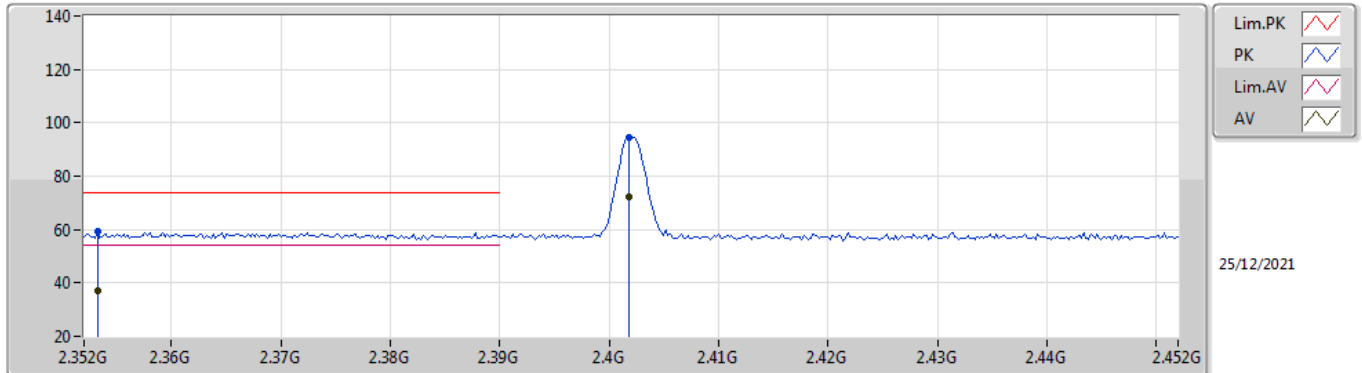
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.95825G	20.66	54.00	-33.34	6.32	3	Horizontal	83	1.56	-	14.34	31.42	9.02	34.12
PK	4.95825G	43.16	74.00	-30.84	6.32	3	Horizontal	83	1.56	-	36.84	31.42	9.02	34.12

BT-EDR(3Mbps)

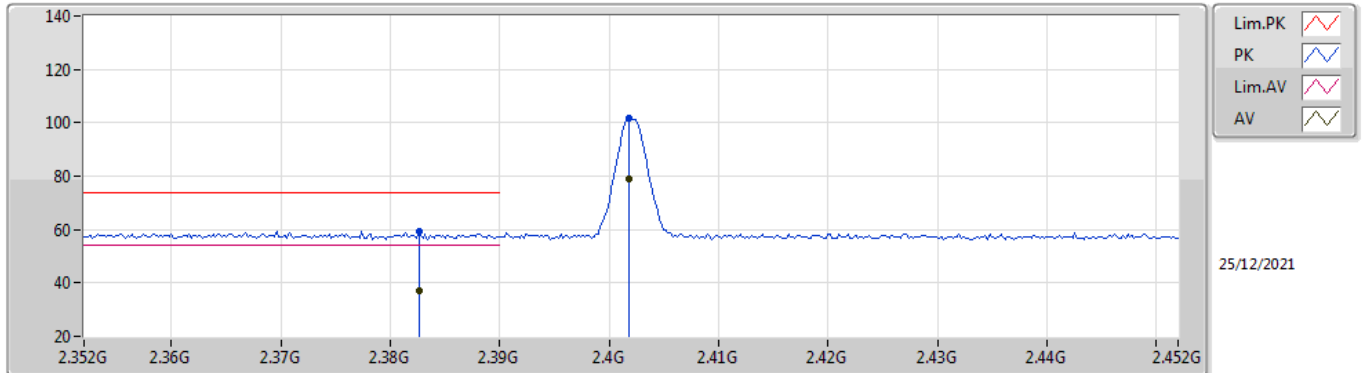
2402MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3532G	36.86	54.00	-17.14	35.03	3	Vertical	100	2.70	-	1.83	27.79	7.24	-
AV	2.4018G	72.13	Inf	-Inf	34.95	3	Vertical	100	2.70	-	37.18	27.69	7.26	-
PK	2.3532G	59.36	74.00	-14.64	35.03	3	Vertical	100	2.70	-	24.33	27.79	7.24	-
PK	2.4018G	94.63	Inf	-Inf	34.95	3	Vertical	100	2.70	-	59.68	27.69	7.26	-

BT-EDR(3Mbps)

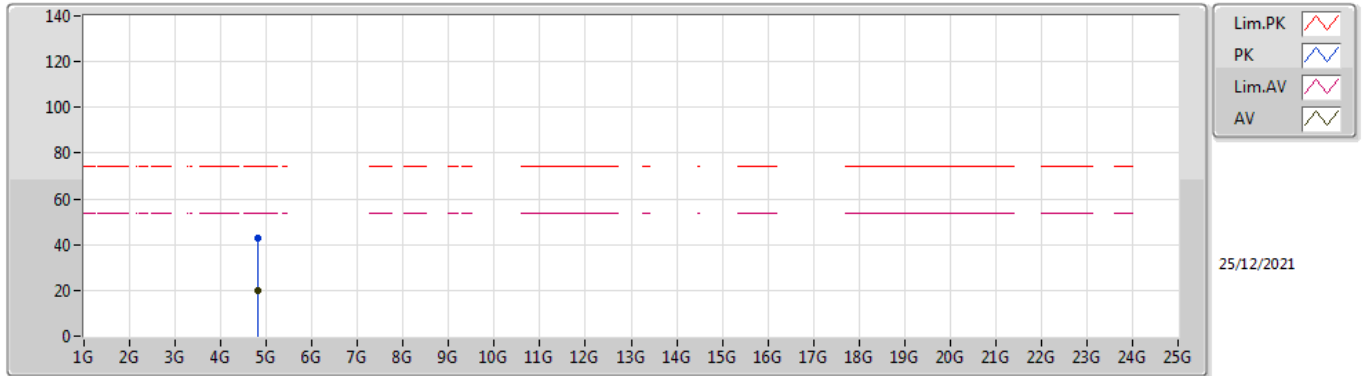
2402MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3826G	36.95	54.00	-17.05	34.98	3	Horizontal	171	2.92	-	1.97	27.73	7.25	-
AV	2.4018G	79.10	Inf	-Inf	34.95	3	Horizontal	171	2.92	-	44.15	27.69	7.26	-
PK	2.3826G	59.45	74.00	-14.55	34.98	3	Horizontal	171	2.92	-	24.47	27.73	7.25	-
PK	2.4018G	101.60	Inf	-Inf	34.95	3	Horizontal	171	2.92	-	66.65	27.69	7.26	-

BT-EDR(3Mbps)

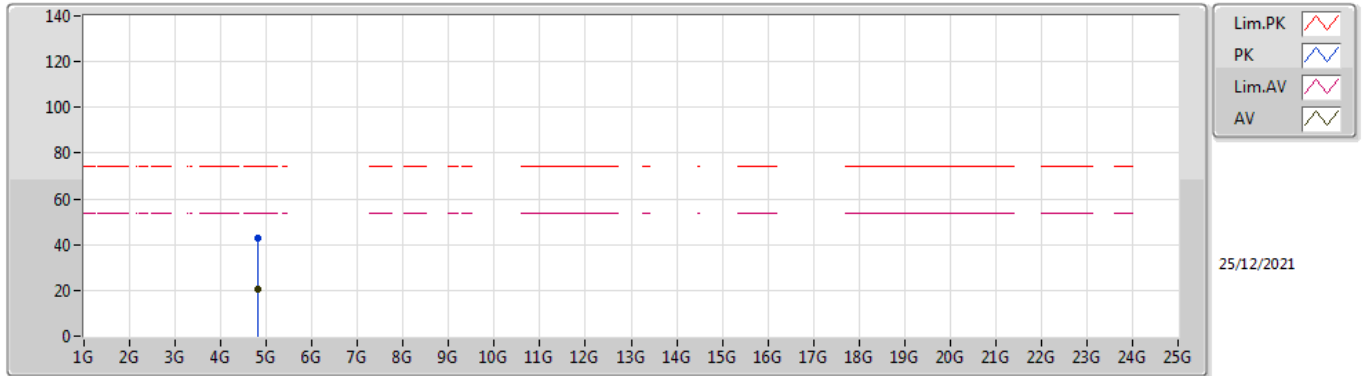
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.80377G	20.09	54.00	-33.91	5.82	3	Vertical	326	2.62	-	14.27	31.11	8.90	34.19
PK	4.80377G	42.59	74.00	-31.41	5.82	3	Vertical	326	2.62	-	36.77	31.11	8.90	34.19

BT-EDR(3Mbps)

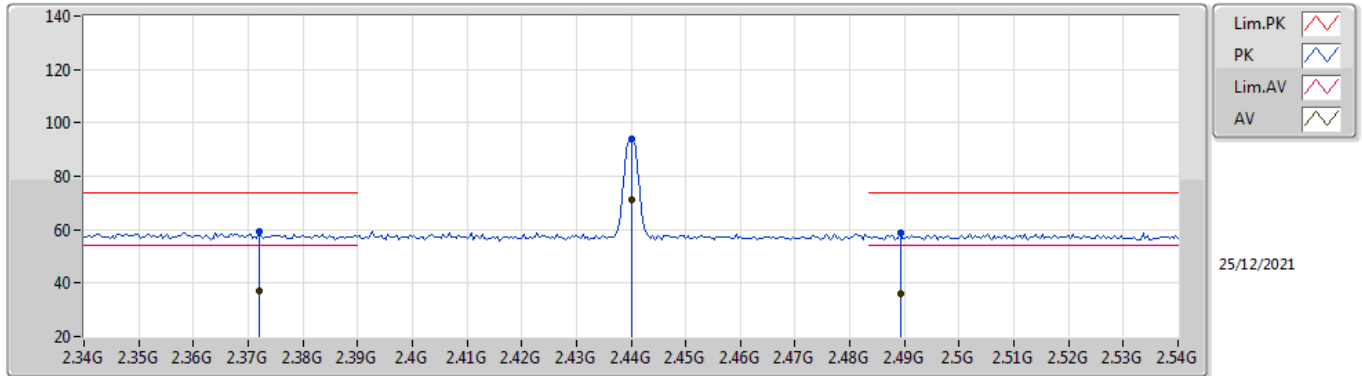
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.80628G	20.23	54.00	-33.77	5.82	3	Horizontal	154	1.30	-	14.41	31.11	8.90	34.19
PK	4.80628G	42.73	74.00	-31.27	5.82	3	Horizontal	154	1.30	-	36.91	31.11	8.90	34.19

BT-EDR(3Mbps)

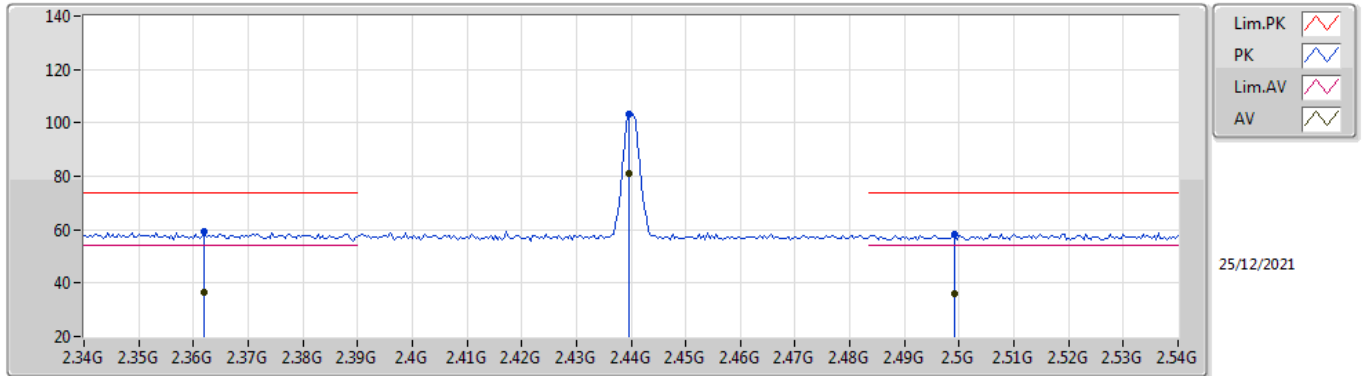
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.372G	36.85	54.00	-17.15	35.01	3	Vertical	75	2.19	-	1.84	27.76	7.25	-
AV	2.44G	71.32	Inf	-Inf	34.75	3	Vertical	75	2.19	-	36.57	27.46	7.29	-
AV	2.4892G	36.08	54.00	-17.92	34.73	3	Vertical	75	2.19	-	1.35	27.40	7.33	-
PK	2.372G	59.35	74.00	-14.65	35.01	3	Vertical	75	2.19	-	24.34	27.76	7.25	-
PK	2.44G	93.82	Inf	-Inf	34.75	3	Vertical	75	2.19	-	59.07	27.46	7.29	-
PK	2.4892G	58.58	74.00	-15.42	34.73	3	Vertical	75	2.19	-	23.85	27.40	7.33	-

BT-EDR(3Mbps)

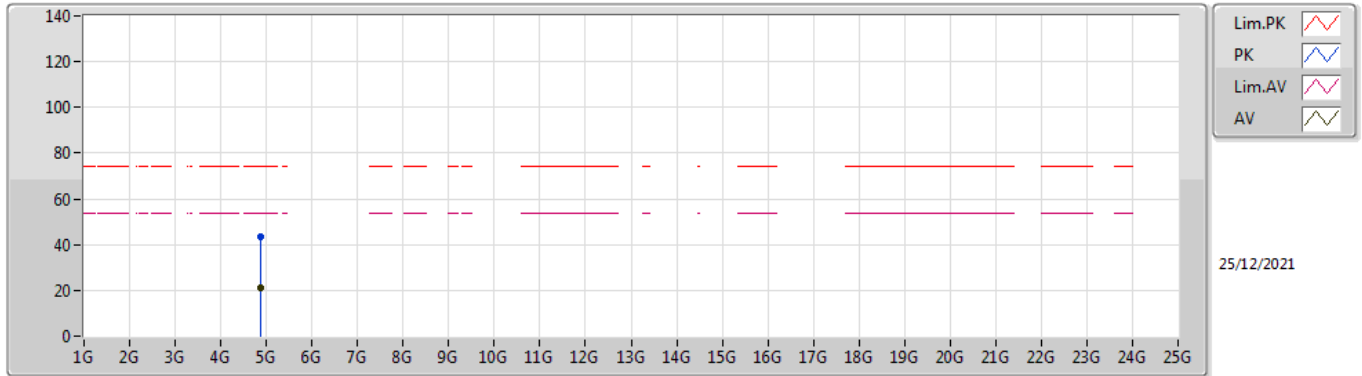
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.362G	36.74	54.00	-17.26	35.02	3	Horizontal	184	2.03	-	1.72	27.78	7.24	-
AV	2.4396G	80.83	Inf	-Inf	34.75	3	Horizontal	184	2.03	-	46.08	27.46	7.29	-
AV	2.4992G	36.00	54.00	-18.00	34.74	3	Horizontal	184	2.03	-	1.26	27.40	7.34	-
PK	2.362G	59.24	74.00	-14.76	35.02	3	Horizontal	184	2.03	-	24.22	27.78	7.24	-
PK	2.4396G	103.33	Inf	-Inf	34.75	3	Horizontal	184	2.03	-	68.58	27.46	7.29	-
PK	2.4992G	58.50	74.00	-15.50	34.74	3	Horizontal	184	2.03	-	23.76	27.40	7.34	-

BT-EDR(3Mbps)

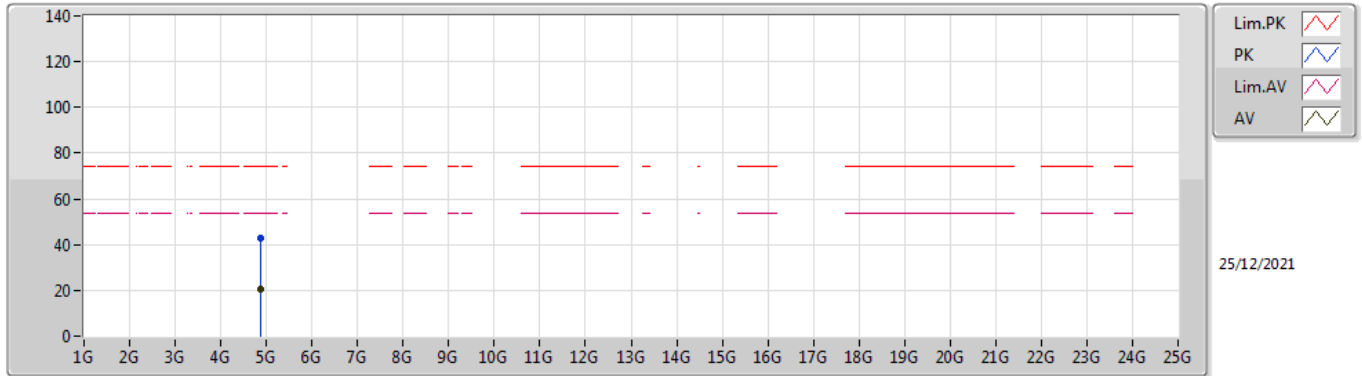
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.88053G	21.02	54.00	-32.98	6.00	3	Vertical	148	1.50	-	15.02	31.20	8.96	34.16
PK	4.88053G	43.52	74.00	-30.48	6.00	3	Vertical	148	1.50	-	37.52	31.20	8.96	34.16

BT-EDR(3Mbps)

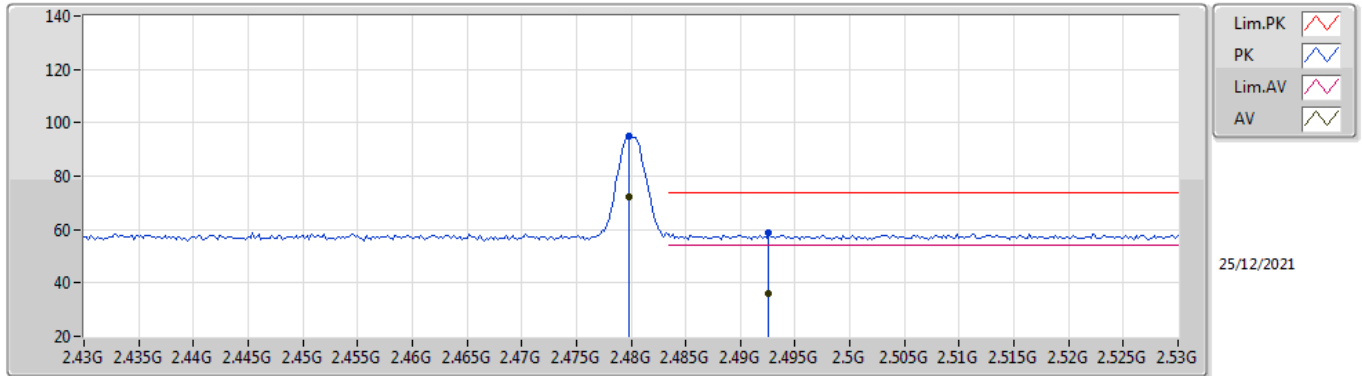
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.88002G	20.42	54.00	-33.58	6.00	3	Horizontal	157	1.49	-	14.42	31.20	8.96	34.16
PK	4.88002G	42.92	74.00	-31.08	6.00	3	Horizontal	157	1.49	-	36.92	31.20	8.96	34.16

BT-EDR(3Mbps)

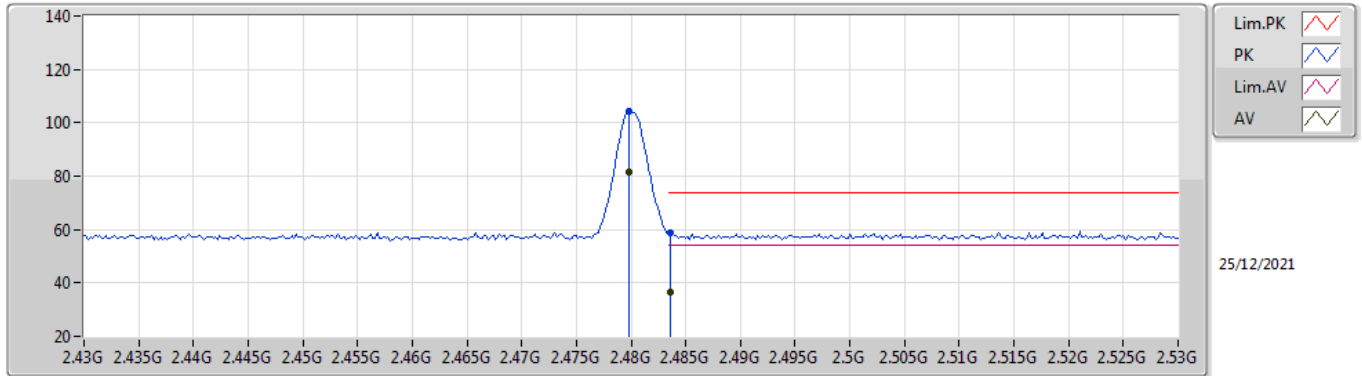
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4798G	72.31	Inf	-Inf	34.72	3	Vertical	76	2.61	-	37.59	27.40	7.32	-
AV	2.4926G	36.27	54.00	-17.73	34.73	3	Vertical	76	2.61	-	1.54	27.40	7.33	-
PK	2.4798G	94.81	Inf	-Inf	34.72	3	Vertical	76	2.61	-	60.09	27.40	7.32	-
PK	2.4926G	58.77	74.00	-15.23	34.73	3	Vertical	76	2.61	-	24.04	27.40	7.33	-

BT-EDR(3Mbps)

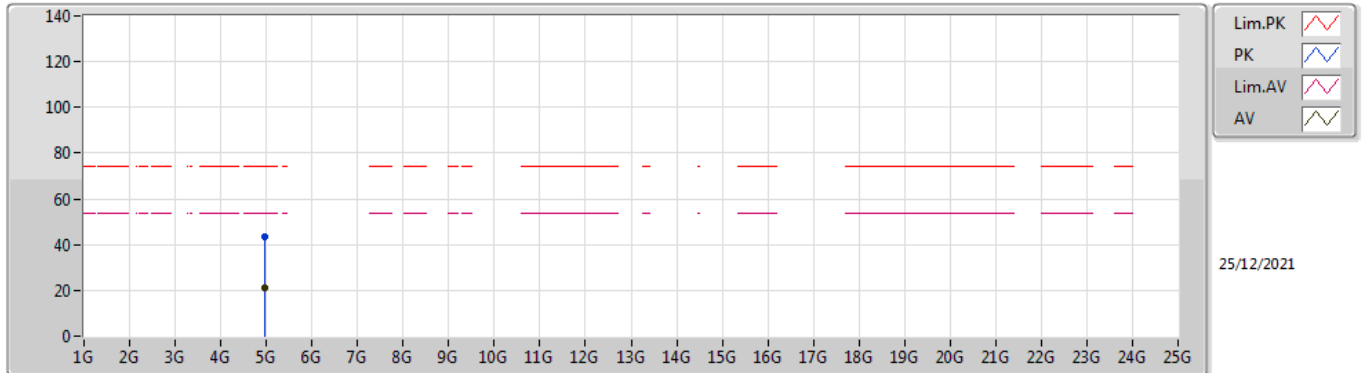
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4798G	81.57	Inf	-Inf	34.72	3	Horizontal	186	2.65	-	46.85	27.40	7.32	-
AV	2.4836G	36.55	54.00	-17.45	34.73	3	Horizontal	186	2.65	-	1.82	27.40	7.33	-
PK	2.4798G	104.07	Inf	-Inf	34.72	3	Horizontal	186	2.65	-	69.35	27.40	7.32	-
PK	2.4836G	59.05	74.00	-14.95	34.73	3	Horizontal	186	2.65	-	24.32	27.40	7.33	-

BT-EDR(3Mbps)

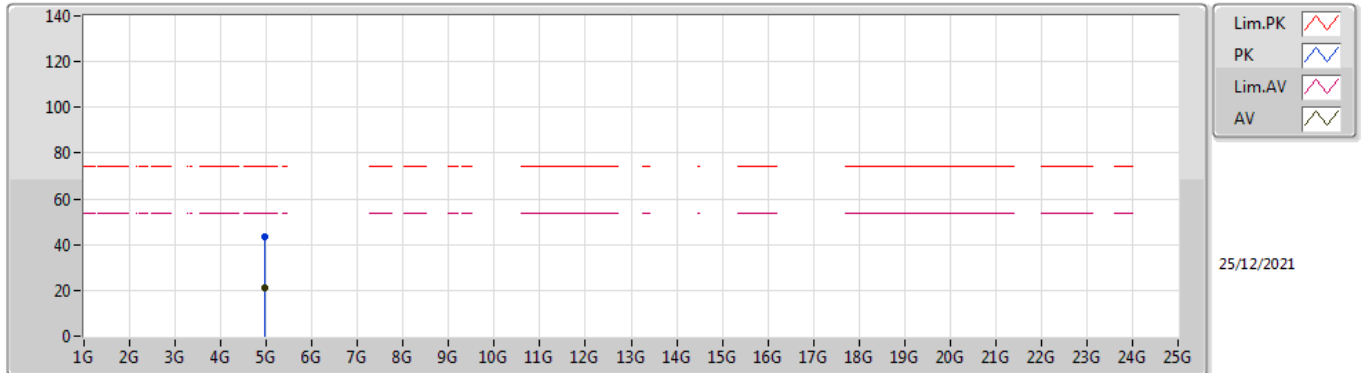
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.95783G	20.95	54.00	-33.05	6.32	3	Vertical	33	1.93	-	14.63	31.42	9.02	34.12
PK	4.95783G	43.45	74.00	-30.55	6.32	3	Vertical	33	1.93	-	37.13	31.42	9.02	34.12

BT-EDR(3Mbps)

2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.95919G	20.94	54.00	-33.06	6.32	3	Horizontal	177	2.55	-	14.62	31.42	9.02	34.12
PK	4.95919G	43.44	74.00	-30.56	6.32	3	Horizontal	177	2.55	-	37.12	31.42	9.02	34.12



Summary

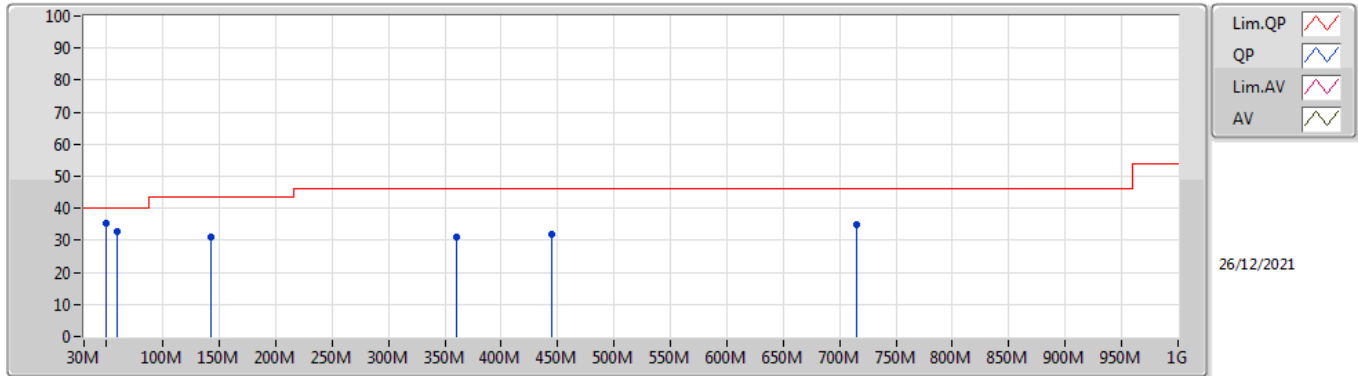
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	PK	49.4M	35.36	40.00	-4.64	3	Vertical	0	1.00	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-
2440MHz	Pass	PK	49.4M	35.36	40.00	-4.64	3	Vertical	0	1.00	-
2440MHz	Pass	PK	59.1M	32.87	40.00	-7.13	3	Vertical	0	1.00	-
2440MHz	Pass	PK	142.52M	31.01	43.50	-12.49	3	Vertical	0	1.00	-
2440MHz	Pass	PK	359.8M	30.85	46.00	-15.15	3	Vertical	0	1.00	-
2440MHz	Pass	PK	445.16M	32.09	46.00	-13.91	3	Vertical	0	1.00	-
2440MHz	Pass	PK	714.82M	34.88	46.00	-11.12	3	Vertical	0	1.00	-
2440MHz	Pass	PK	47.46M	33.54	40.00	-6.46	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	152.22M	28.93	43.50	-14.57	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	266.68M	28.55	46.00	-17.45	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	355.92M	33.58	46.00	-12.42	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	416.06M	31.37	46.00	-14.63	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	641.1M	29.79	46.00	-16.21	3	Horizontal	360	1.00	-

BT-BR(1Mbps)RX

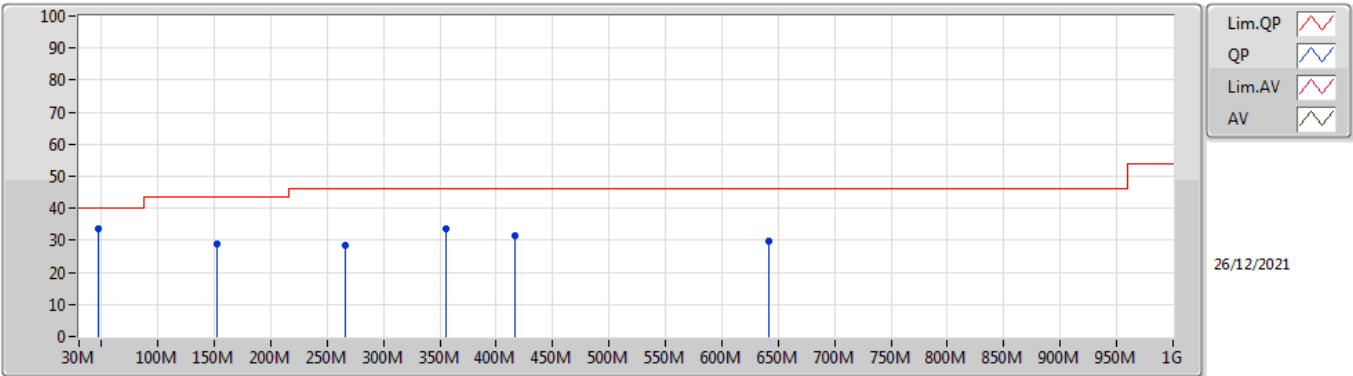
2440MHz_Switching Power Supply



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	49.4M	35.36	40.00	-4.64	-13.19	3	Vertical	0	1.00	-	48.55	13.45	1.06	27.70
PK	59.1M	32.87	40.00	-7.13	-15.06	3	Vertical	0	1.00	-	47.93	11.57	1.13	27.76
PK	142.52M	31.01	43.50	-12.49	-9.75	3	Vertical	0	1.00	-	40.76	16.18	1.66	27.59
PK	359.8M	30.85	46.00	-15.15	-4.90	3	Vertical	0	1.00	-	35.75	19.93	2.59	27.42
PK	445.16M	32.09	46.00	-13.91	-3.33	3	Vertical	0	1.00	-	35.42	21.83	2.88	28.04
PK	714.82M	34.88	46.00	-11.12	-0.23	3	Vertical	0	1.00	-	35.11	24.33	3.63	28.19

BT-BR(1Mbps)RX

2440MHz_Switching Power Supply



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	47.46M	33.54	40.00	-6.46	-12.45	3	Horizontal	360	1.00	-	45.99	14.15	1.04	27.64
PK	152.22M	28.93	43.50	-14.57	-10.25	3	Horizontal	360	1.00	-	39.18	15.58	1.72	27.55
PK	266.68M	28.55	46.00	-17.45	-6.40	3	Horizontal	360	1.00	-	34.95	18.41	2.22	27.03
PK	355.92M	33.58	46.00	-12.42	-5.00	3	Horizontal	360	1.00	-	38.58	19.81	2.57	27.38
PK	416.06M	31.37	46.00	-14.63	-3.34	3	Horizontal	360	1.00	-	34.71	21.74	2.79	27.87
PK	641.1M	29.79	46.00	-16.21	-0.54	3	Horizontal	360	1.00	-	30.33	24.26	3.44	28.24



Summary

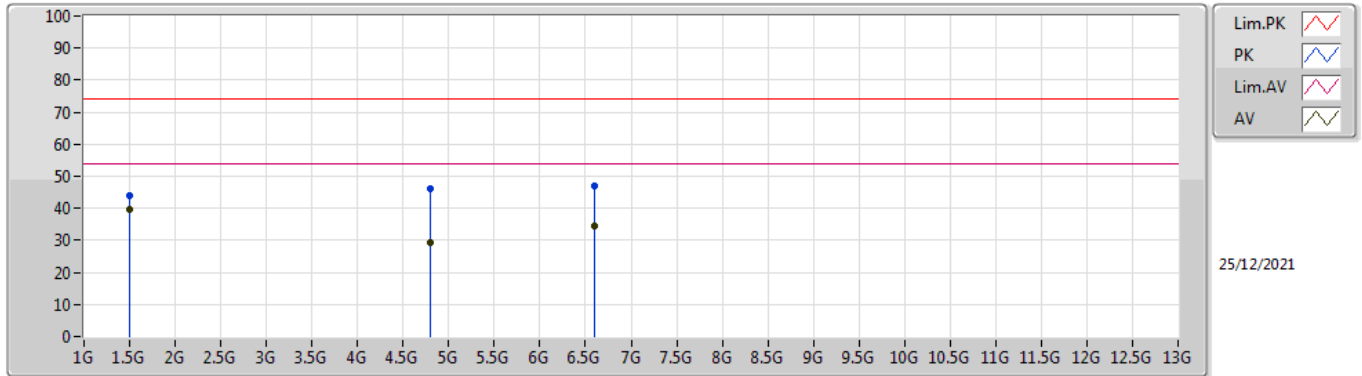
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	AV	1.492G	42.60	54.00	-11.40	3	Horizontal	0	1.00	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-
2440MHz	Pass	AV	1.492G	39.67	54.00	-14.33	3	Vertical	360	1.00	-
2440MHz	Pass	AV	4.804G	29.22	54.00	-24.78	3	Vertical	360	1.00	-
2440MHz	Pass	AV	6.604G	34.33	54.00	-19.67	3	Vertical	360	1.00	-
2440MHz	Pass	PK	1.492G	43.95	74.00	-30.05	3	Vertical	360	1.00	-
2440MHz	Pass	PK	4.804G	46.10	74.00	-27.90	3	Vertical	360	1.00	-
2440MHz	Pass	PK	6.604G	47.03	74.00	-26.97	3	Vertical	360	1.00	-
2440MHz	Pass	AV	1.492G	42.60	54.00	-11.40	3	Horizontal	0	1.00	-
2440MHz	Pass	AV	1.588G	31.53	54.00	-22.47	3	Horizontal	0	1.00	-
2440MHz	Pass	AV	5.08G	30.60	54.00	-23.40	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	1.492G	43.38	74.00	-30.62	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	1.588G	41.21	74.00	-32.79	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	5.08G	44.13	74.00	-29.87	3	Horizontal	0	1.00	-

BT-BR(1Mbps)RX

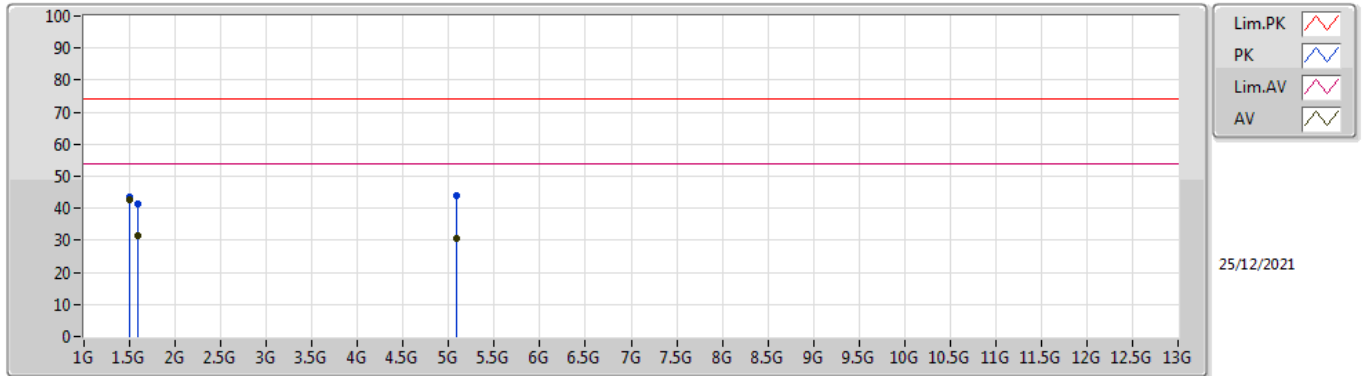
2440MHz_RX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	1.492G	39.67	54.00	-14.33	-2.78	3	Vertical	360	1.00	-	42.45	25.58	5.89	34.25
AV	4.804G	29.22	54.00	-24.78	5.82	3	Vertical	360	1.00	-	23.40	31.11	8.90	34.19
AV	6.604G	34.33	54.00	-19.67	10.07	3	Vertical	360	1.00	-	24.26	34.21	10.18	34.32
PK	1.492G	43.95	74.00	-30.05	-2.78	3	Vertical	360	1.00	-	46.73	25.58	5.89	34.25
PK	4.804G	46.10	74.00	-27.90	5.82	3	Vertical	360	1.00	-	40.28	31.11	8.90	34.19
PK	6.604G	47.03	74.00	-26.97	10.07	3	Vertical	360	1.00	-	36.96	34.21	10.18	34.32

BT-BR(1Mbps)RX

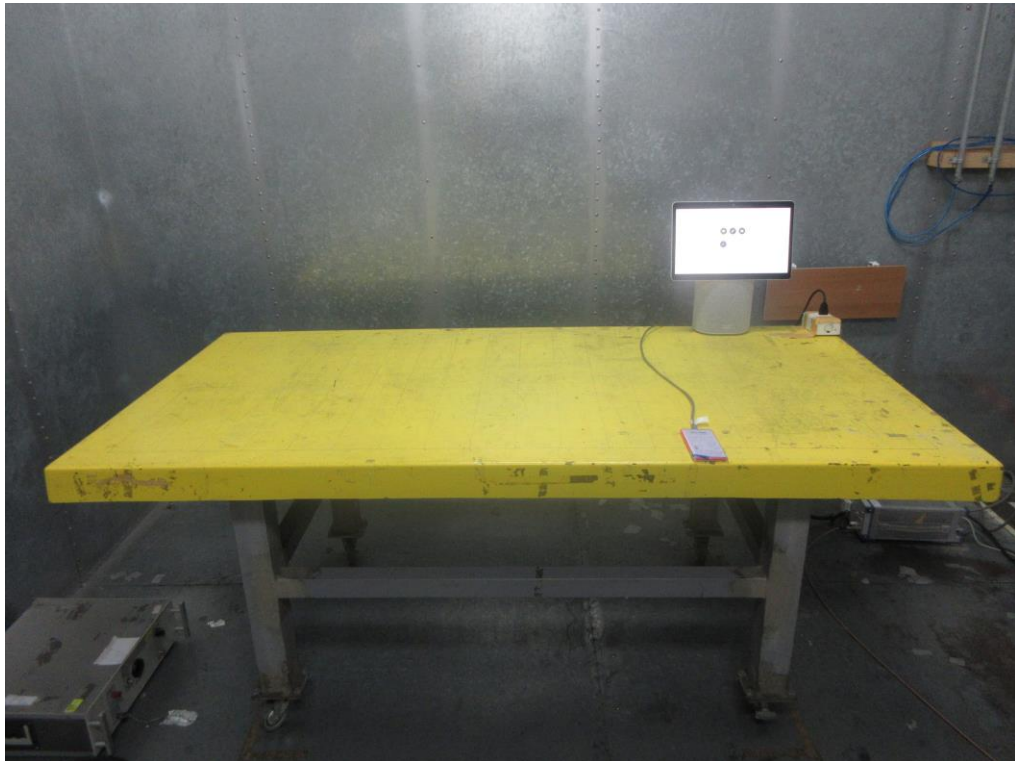
2440MHz_RX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	1.492G	42.60	54.00	-11.40	-2.78	3	Horizontal	0	1.00	-	45.38	25.58	5.89	34.25
AV	1.588G	31.53	54.00	-22.47	-3.07	3	Horizontal	0	1.00	-	34.60	25.00	6.15	34.22
AV	5.08G	30.60	54.00	-23.40	6.81	3	Horizontal	0	1.00	-	23.79	31.86	9.06	34.11
PK	1.492G	43.38	74.00	-30.62	-2.78	3	Horizontal	0	1.00	-	46.16	25.58	5.89	34.25
PK	1.588G	41.21	74.00	-32.79	-3.07	3	Horizontal	0	1.00	-	44.28	25.00	6.15	34.22
PK	5.08G	44.13	74.00	-29.87	6.81	3	Horizontal	0	1.00	-	37.32	31.86	9.06	34.11

1. Photographs of Conducted Emissions Test Configuration - TX

Front view



Side view

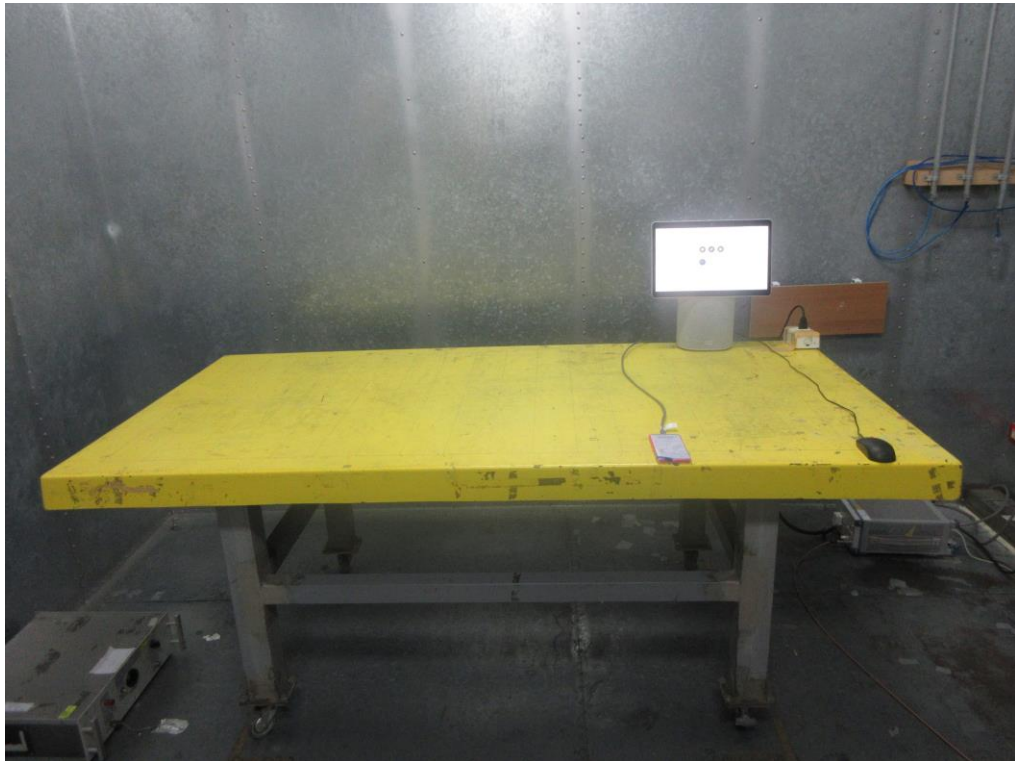


Under table view

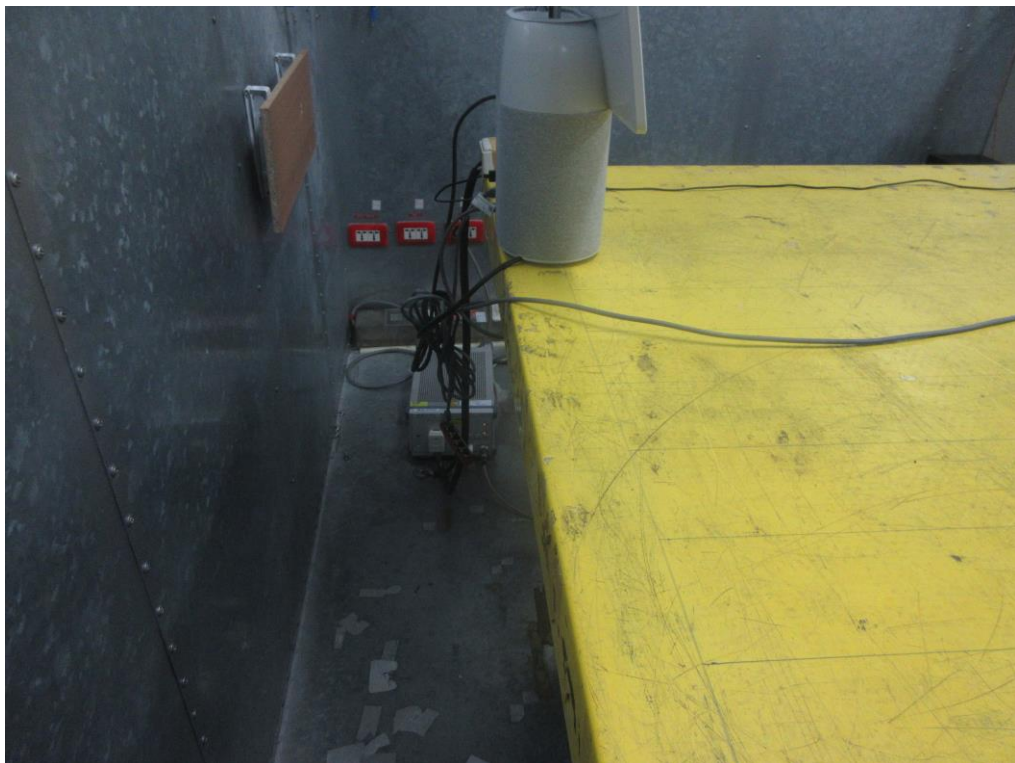


2. Photographs of Conducted Emissions Test Configuration - RX

Front view



Side view



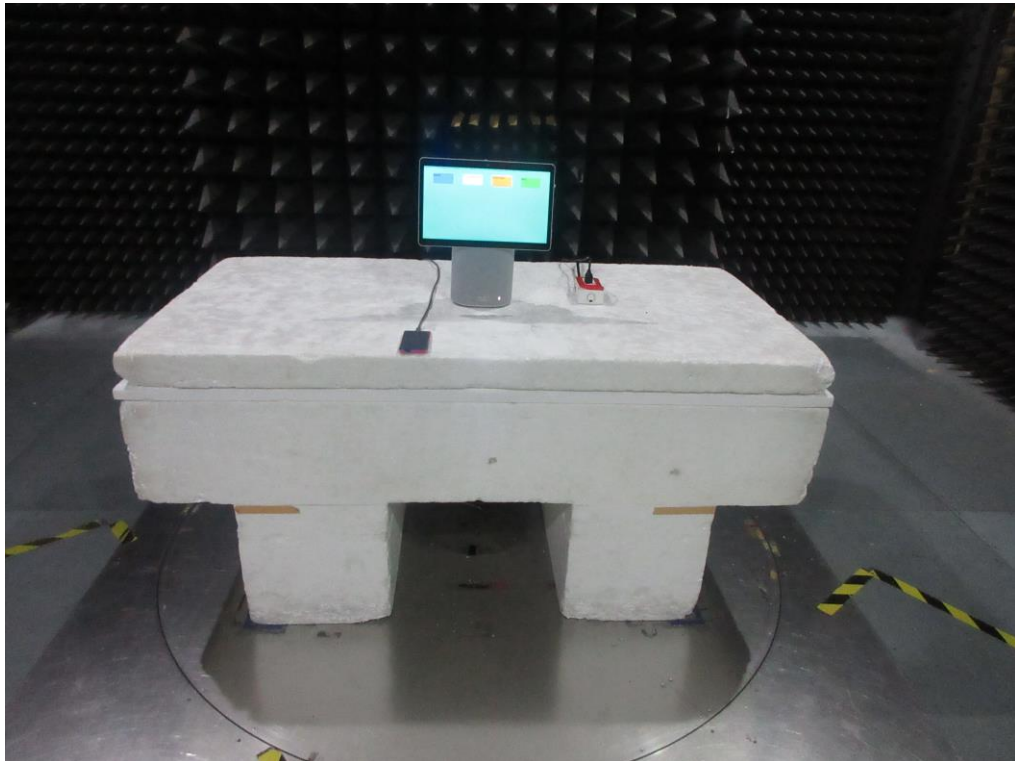
Under table view



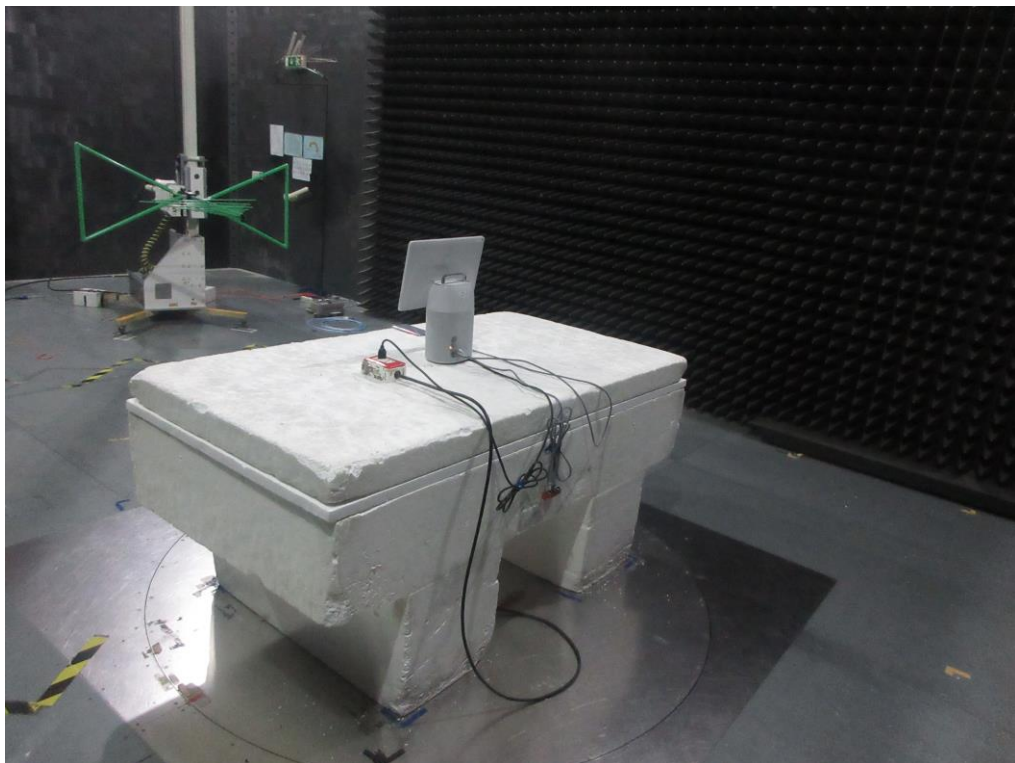
3. Photographs of Radiated Emissions Test Configuration - TX

For radiated emissions 30MHz~1GHz

Front view

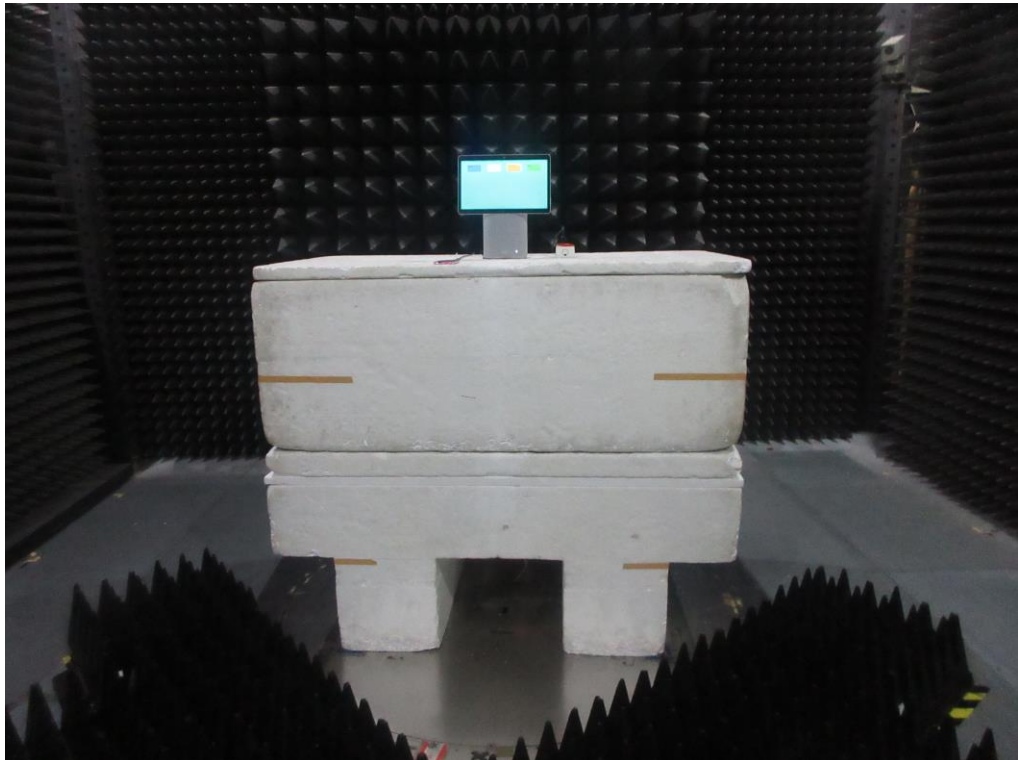


Rear view



For radiated emissions above 1GHz

Front view



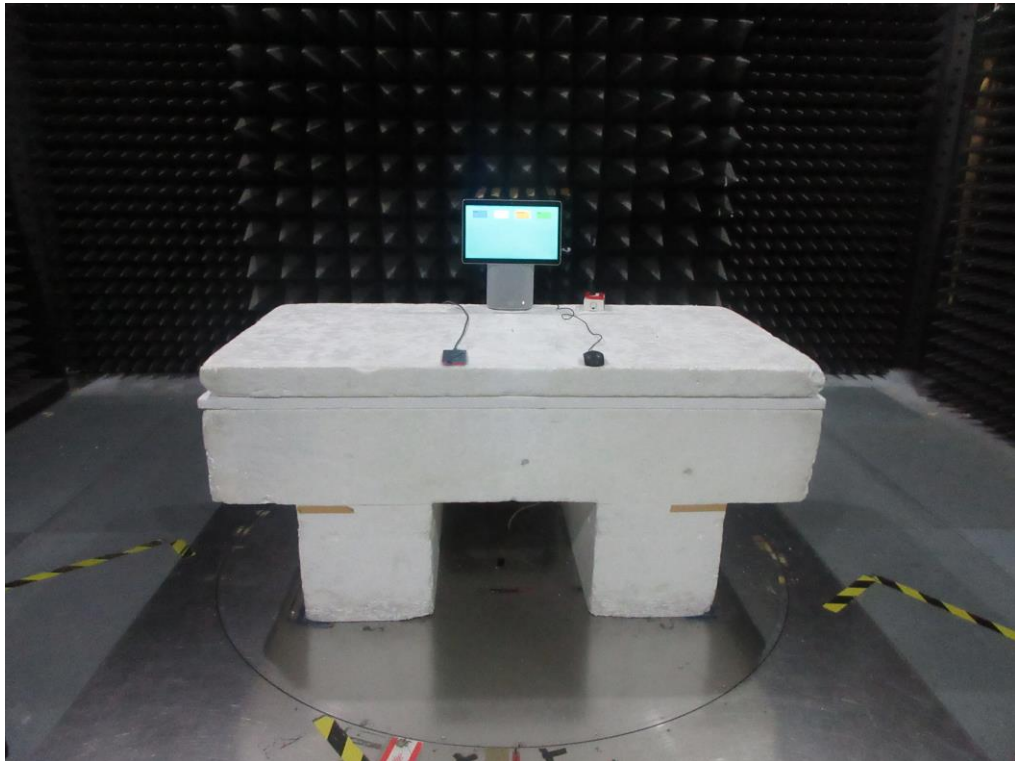
Rear view



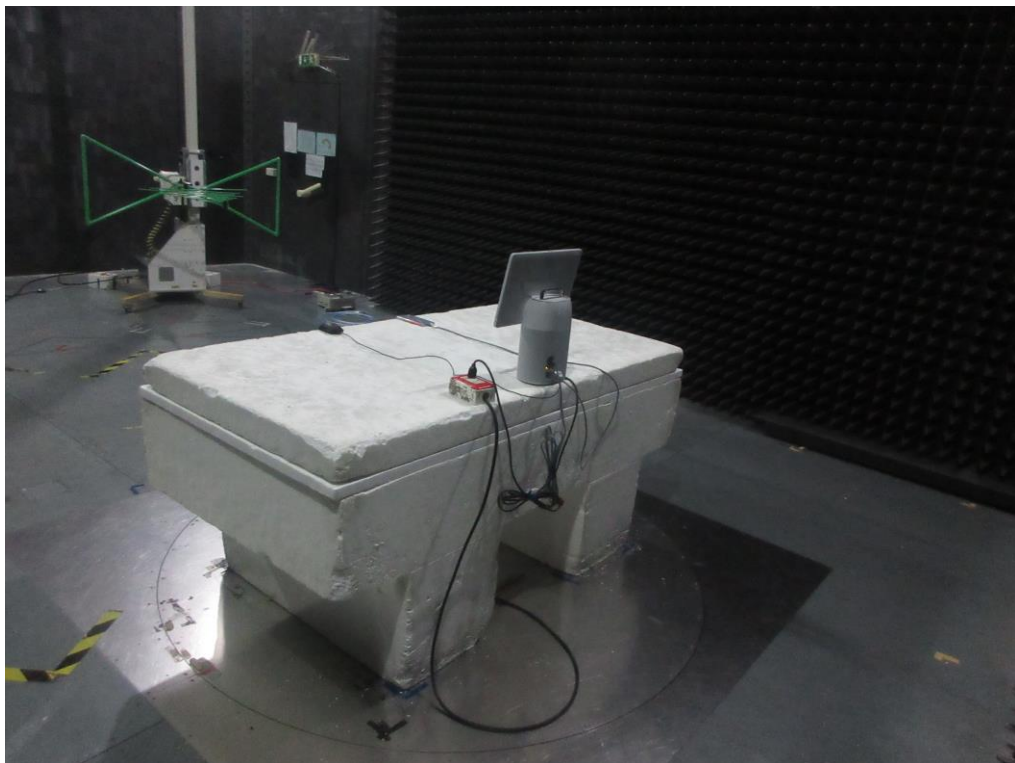
4. Photographs of Radiated Emissions Test Configuration - RX

For radiated emissions 30MHz~1GHz

Front view

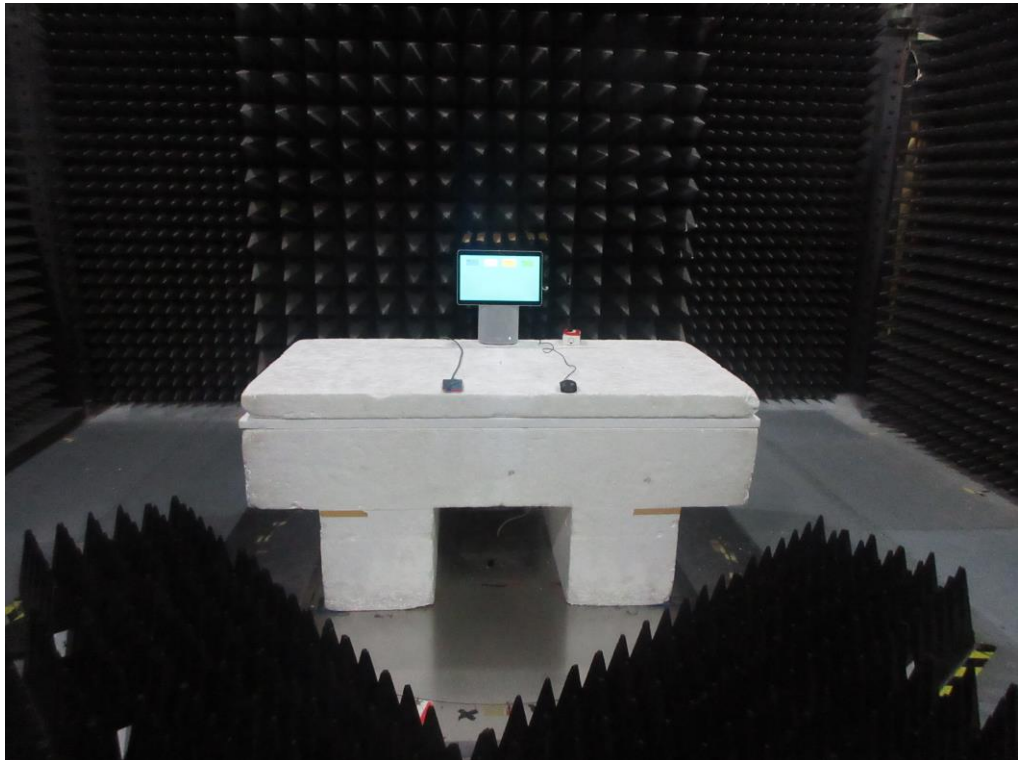


Rear view

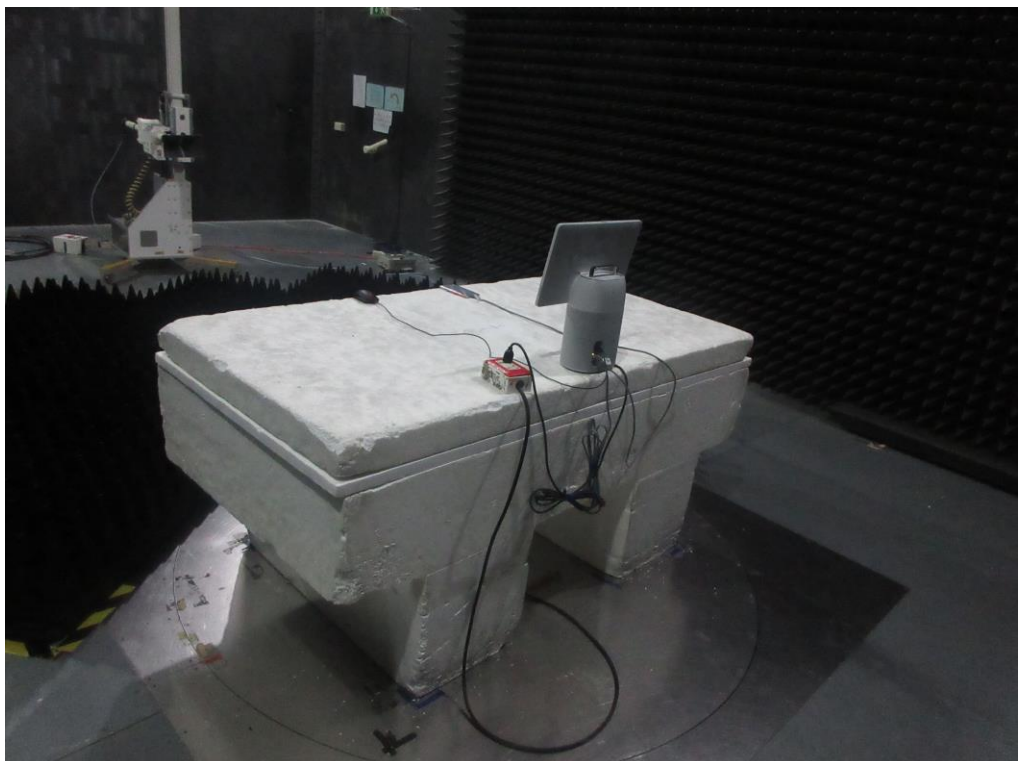


For radiated emissions above 1GHz

Front view



Rear view



————THE END————