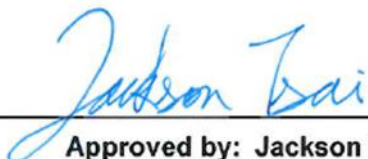


FCC Radio Test Report

FCC ID : RX3-WBU058VZ
Equipment : IEEE 802.11 a/b/g/n/ac/ax 2x2+Bluetooth v5.2 Wireless Adapter
Brand Name : Foxconn
Model Name : WBU058-VZ
Applicant : Hon Hai Precision Industry Co., Ltd.
No.151, Sec. 1, Nankan Rd., Lujhu Dist., Taoyuan City 33859,
Taiwan
Manufacturer : Hon Hai Precision Industry Co., Ltd.
No.151, Sec. 1, Nankan Rd., Lujhu Dist., Taoyuan City 33859,
Taiwan
Standard : 47 CFR FCC Part 15.247

The product was received on Jan. 10, 2022, and testing was started from Jan. 17, 2022 and completed on Jan. 19, 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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APPENDIX G. TEST PHOTOS

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:
None

Reviewed by: Ben Tseng

Report Producer: Jenny Yang

1 General Description

1.1 Information

1.1.1 RF General Information

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

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	BT-LE(1Mbps)	1.0	1TX
2.4-2.4835GHz	BT-LE(2Mbps)	2.0	1TX

Note:

- ♦ Bluetooth LE uses a GFSK (1Mbps/2Mbps) modulation.
- ♦ BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	Foxconn	-	PCB	N/A
2	Foxconn	-	PCB	N/A
3	Foxconn	-	PCB	N/A
4	Foxconn	-	PCB	N/A

Ant.	Port	Gain (dBi)									BT
		2.4G	5G				6G				
			U-NII-1	U-NII-2A	U-NII-2C	U-NII-3	U-NII-5	U-NII-6	U-NII-7	U-NII-8	
1	1	1.00	2.50	2.68	3.07	2.75	4.35	4.35	4.43	4.02	-
2	2	0.77	0.89	1.68	3.67	3.67	3.37	3.85	5.77	5.78	-
3	2	-	-	-	-	-	-	-	-	-	2.83
4	1	-	-	-	-	-	-	-	-	-	2.97

Note 1: The EUT has four antennas.

For 2.4GHz function:

For IEEE 802.11 b/g/n/ax 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)

Support diversity function and pre-tested on each single chain, the worst case was Ant. 4(port 1) and it was recorded in this test report.

For 5GHz function:

For IEEE 802.11 a/n/ac/ax 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 Test Fixture
EUT Function	<input checked="" type="checkbox"/> Point-to-multipoint <input type="checkbox"/> Point-to-point
Type of EUT	
<input checked="" type="checkbox"/>	Stand-alone
<input type="checkbox"/>	Combined (EUT where the radio part is fully integrated within another device)
	Combined Equipment - Brand Name / Model No.: ...
<input type="checkbox"/>	Plug-in radio (EUT intended for a variety of host systems)
	Host System - Brand Name / Model No.: ...
<input type="checkbox"/>	Other:

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
BT-LE(1Mbps)_1TX(Port1)	0.851	0.7	2.128m	1k
BT-LE(2Mbps)_1TX(Port1)	0.599	2.23	1.073m	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:

- ◆ 47 CFR FCC Part 15
- ◆ ANSI C63.10-2013

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				
<input checked="" type="checkbox"/>	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 site Designation No. TW3785 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Jack Tang	20.9~21.9°C / 54~57%	19/Jan/2022
RF Conducted	TH06-HY	Yuna Lin	22.1~26.2°C / 52~60%	18/Jan/2022~19/Jan/2022
Radiated	03CH02-HY	Lego Lin	20.2~23.8°C / 55~60%	17/Jan/2022~19/Jan/2022
<input type="checkbox"/>	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	
Test site Designation No. TW0008 with FCC.				

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	WCN_Combo_Tool v2.20.36.0
Mode	Power Setting
BT-LE(1Mbps)_1TX(Port1)	-
2402MHz	11
2440MHz	11
2480MHz	11
BT-LE(2Mbps)_1TX(Port1)	-
2402MHz	11
2440MHz	11
2480MHz	11

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	CTX
1	Test Fixture mode

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		
1	Test Fixture mode		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT	V		

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	Bluetooth+WLAN 2.4GHz
2	Bluetooth+WLAN 5GHz
3	Bluetooth+WLAN 6GHz
Refer to Sporton Test Report No.: FA211002 for Co-location RF Exposure Evaluation.	

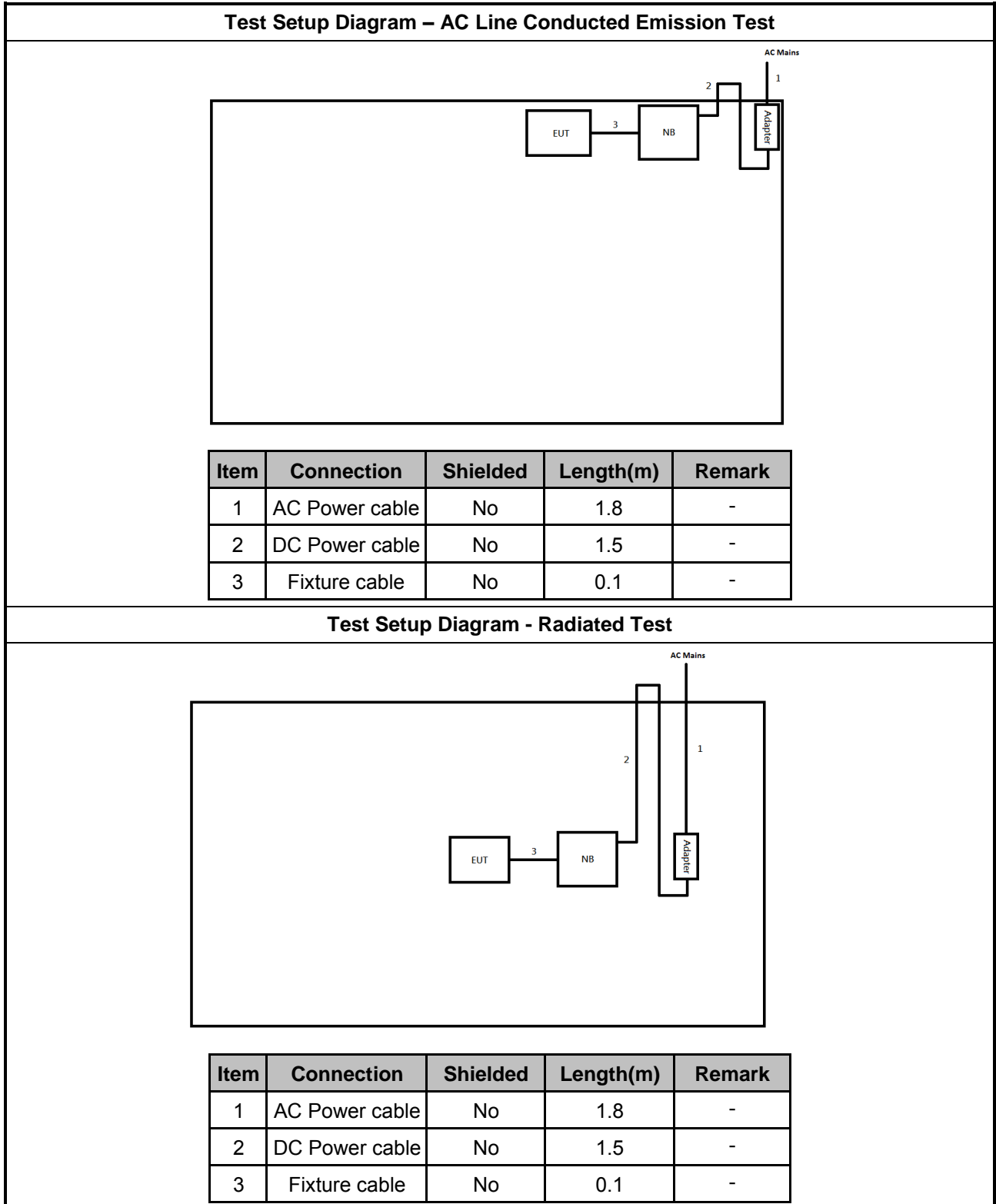
2.3 Support Equipment

Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	HP	5220M	-	-
2	Adapter for NB	HP	PPP012L-E	-	-

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

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	HP	5220M	-	-
2	Adapter for NB	HP	PPP012L-E	-	-

2.4 Test Setup Diagram



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

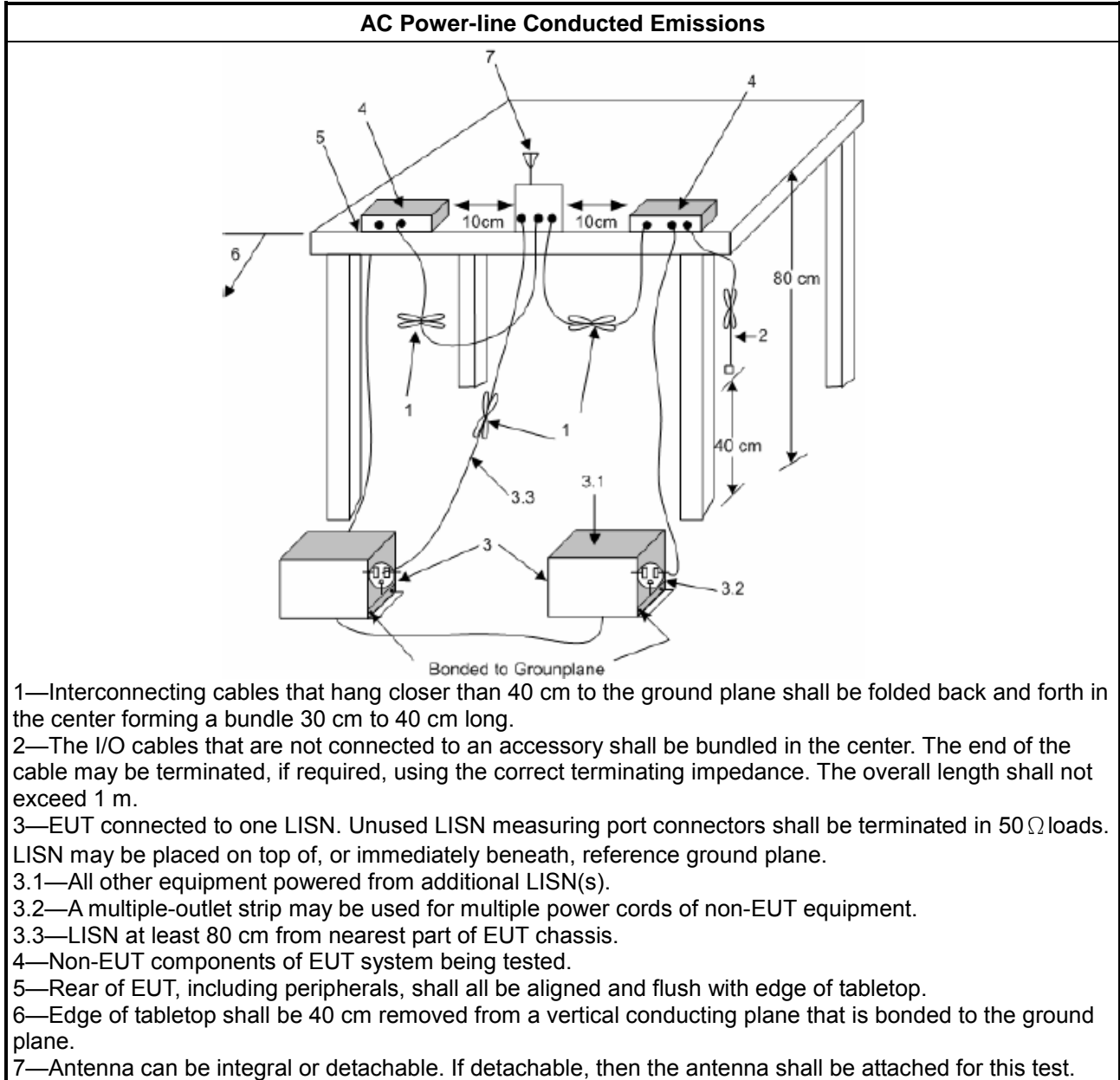
Test Method
<ul style="list-style-type: none"> Refer as ANSI C63.10-2013, clause 6.2 foray power-line conducted emissions.

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 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.

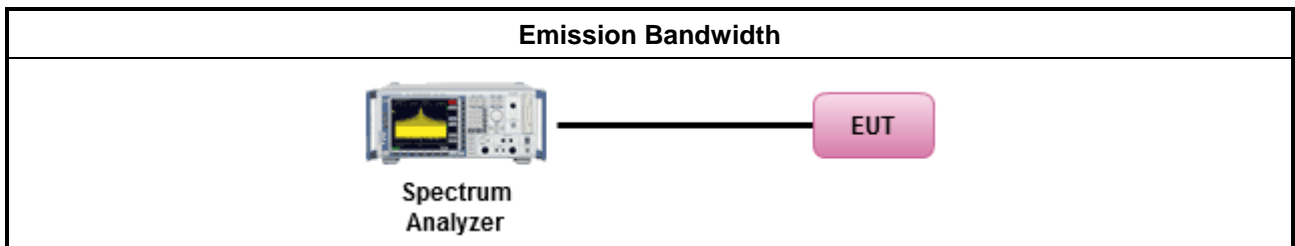
3.2.2 Measuring Instruments

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 KDB 558074, clause 8.2 (11.8 of ANSI C63.10) DTS bandwidth measurement.
<input checked="" type="checkbox"/> Refer as RSS-Gen, clause 6.7 for occupied bandwidth testing.
<input type="checkbox"/> Refer as ANSI C63.10, clause 6.9.3 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
e.i.r.p. Power Limit:	
	<ul style="list-style-type: none"> ▪ 2400-2483.5 MHz Band
	<ul style="list-style-type: none"> ▪ Point-to-multipoint systems (P2M): $P_{eirp} \leq 36$ dBm (4 W)
	<ul style="list-style-type: none"> ▪ Point-to-point systems (P2P): $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX}])$ dBm
	<ul style="list-style-type: none"> ▪ Smart antenna system (SAS)
	<ul style="list-style-type: none"> - Single beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	<ul style="list-style-type: none"> - Overlap beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	<ul style="list-style-type: none"> - Aggregate power on all beams: $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX} + 8])$ dBm
P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.	

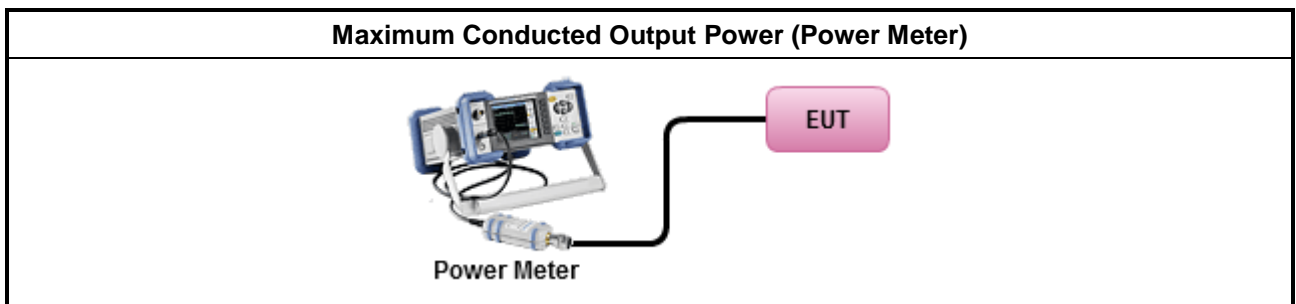
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ Maximum Peak Conducted Output Power 	
<input type="checkbox"/>	Refer as KDB 558074, clause 8.3.1.1 (11.9.1.1 of ANSI C63.10) RBW ≥ EBW method.
<input type="checkbox"/>	Refer as KDB 558074, clause 8.3.1.2 (11.9.1.2 of ANSI C63.10) integrated band power method.
<input type="checkbox"/>	Refer as KDB 558074, clause 8.3.1.3 (11.9.1.3 of ANSI C63.10) peak power meter.
<ul style="list-style-type: none"> ▪ Maximum Average Conducted Output Power 	
<input type="checkbox"/>	Refer as KDB 558074, clause 8.3.2.2 (11.9.2.2 of ANSI C63.10) using a spectrum analyzer.
<input checked="" type="checkbox"/>	Refer as KDB 558074, clause 8.3.2.3 (11.9.2.3 of ANSI C63.10) using a 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 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

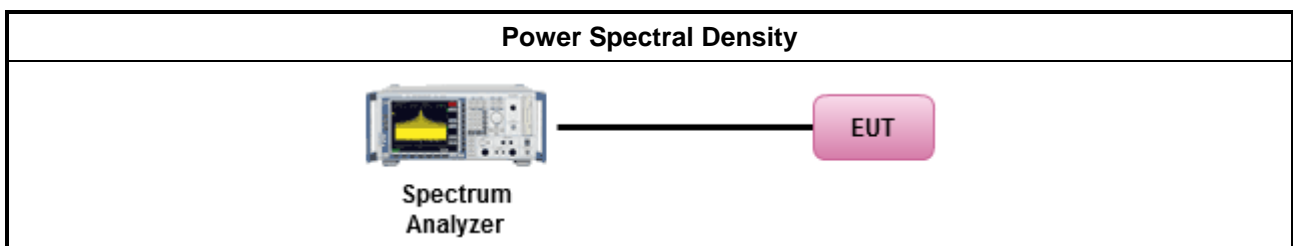
3.4.2 Measuring Instruments

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 KDB 558074, clause 8.4 (11.10 of ANSI C63.10) Max. PSD.
<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"> Measure and sum the spectra across the outputs. Refer as 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.

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 (dB)
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 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 level.

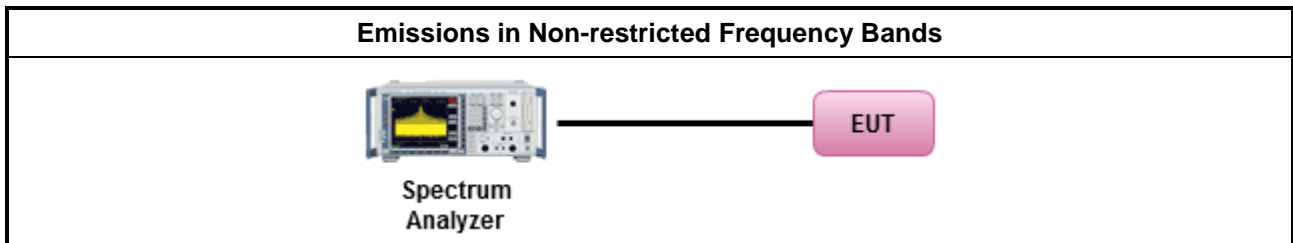
3.5.2 Measuring Instruments

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 KDB 558074, clause 8.5 (11.11 of ANSI C63.10) for non-restricted frequency 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

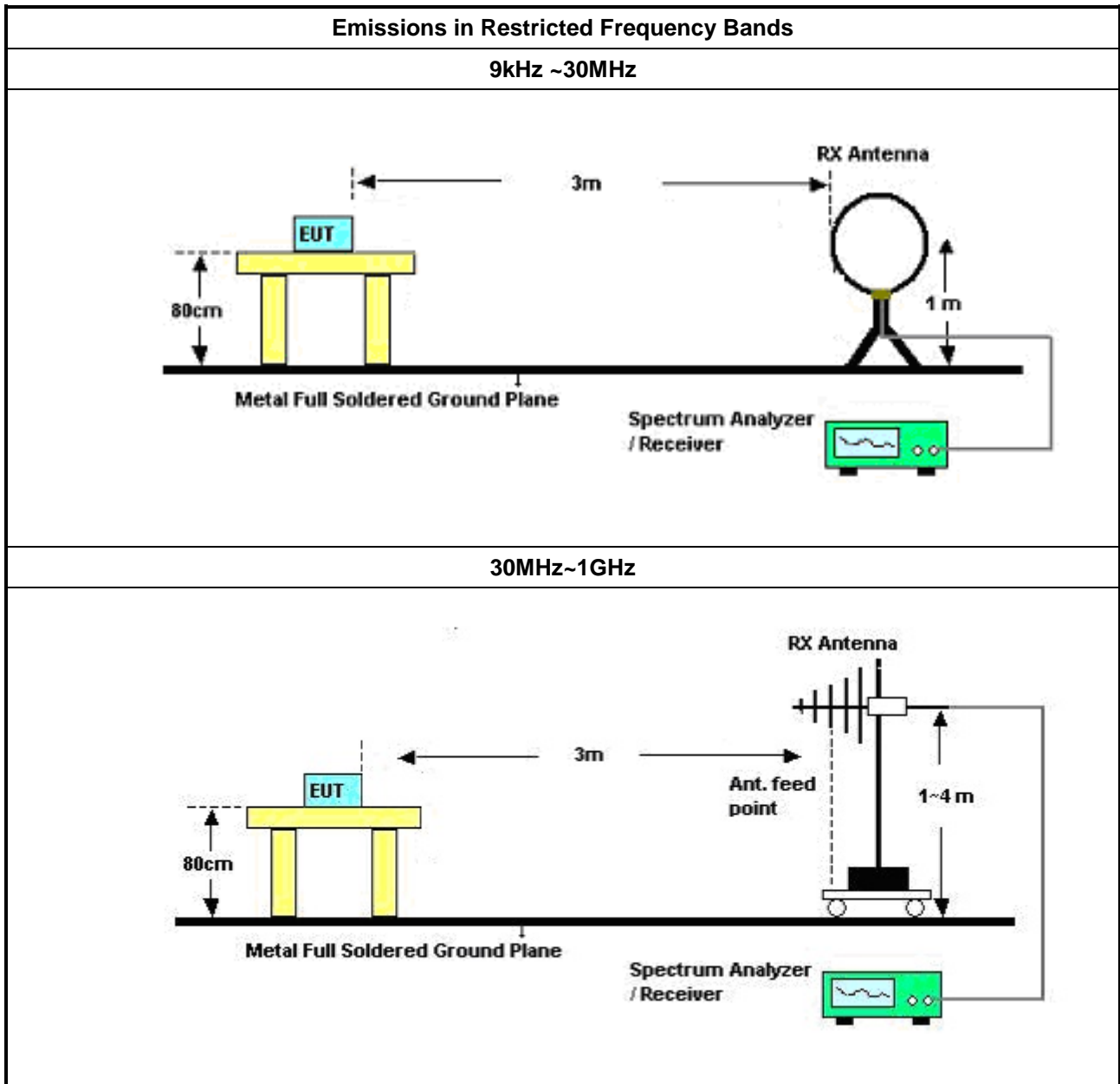
Test Method	
	<ul style="list-style-type: none"> ▪ The average emission levels shall be measured in [duty cycle \geq 98 or duty factor].
	<ul style="list-style-type: none"> ▪ Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency 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 KDB 558074, clause 8.6 (11.12 of ANSI C63.10) for restricted frequency bands.
	<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 KDB 558074 clause 8.7.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below. ▪ Refer as KDB 558074, clause 8.7.2 (6.10.6 of ANSI C63.10) for marker-delta method for band-edge measurements. ▪ Refer as KDB 558074, clause 8.7.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels.
	<ul style="list-style-type: none"> ▪ Use the following spectrum analyzer settings: <ul style="list-style-type: none"> ▪ Set RBW=100 kHz for $f < 1$ GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold. ▪ Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement. For average measurement, refer as 1.1.4.
	<ul style="list-style-type: none"> ▪ KDB 414788 Open-Field Test Sites and Chamber Correlation Justification. <ul style="list-style-type: none"> ▪ Based on FCC 15.31(f)(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.

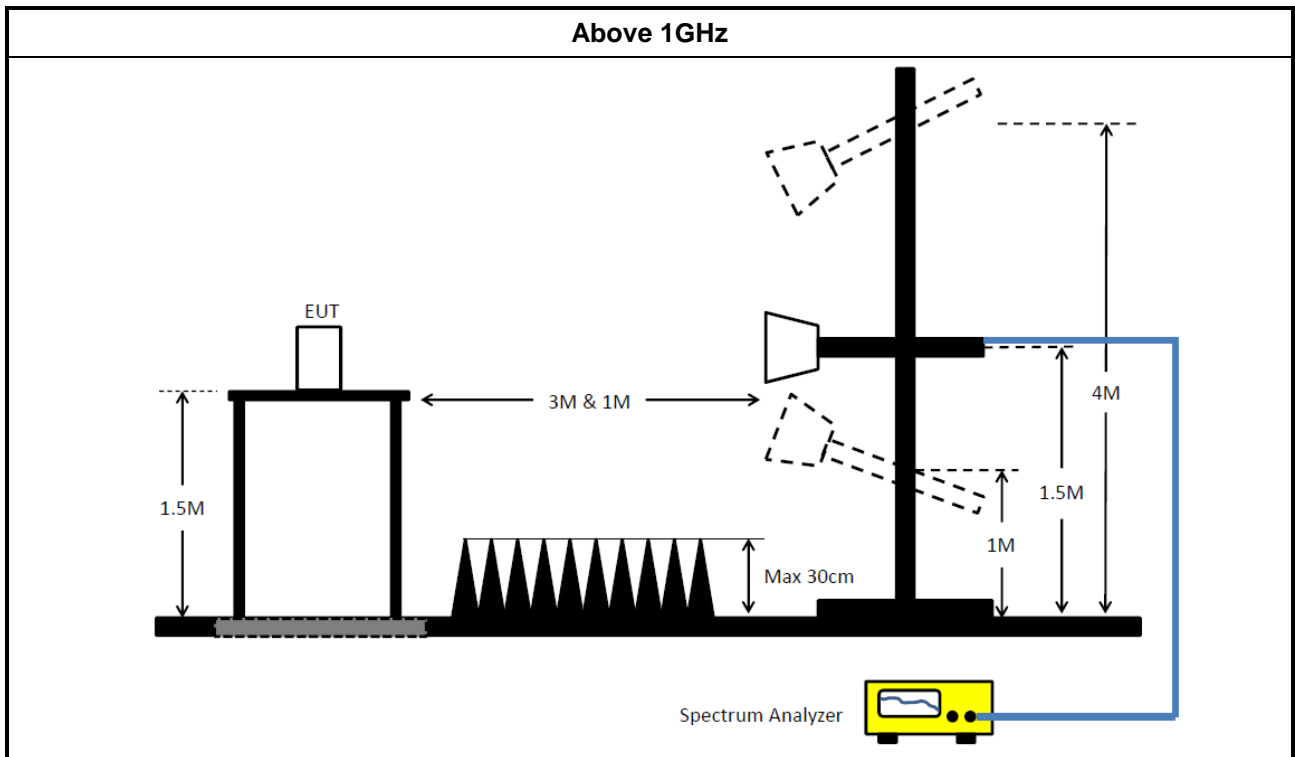
3.6.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.6.5 Test Setup





3.6.6 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.

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

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
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	12/Jan/2022	11/Jan/2023
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
Software	Sporton	SENSE-EMI	V5.10.7.14	-	NCR	NCR

NCR: No Calibration Required

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	SMB100A	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 Pre-amplifier	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	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	11/Mar/2021	10/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

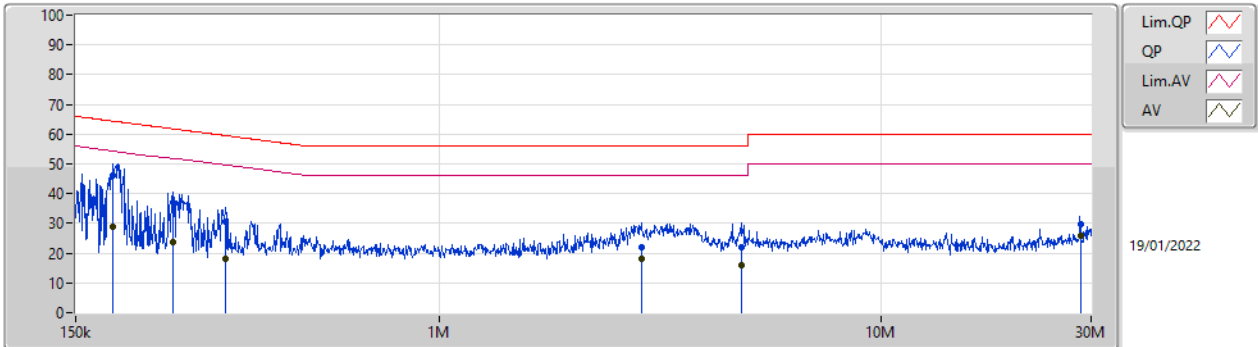
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	184.605k	47.45	64.28	-16.83	Neutral



Mode config

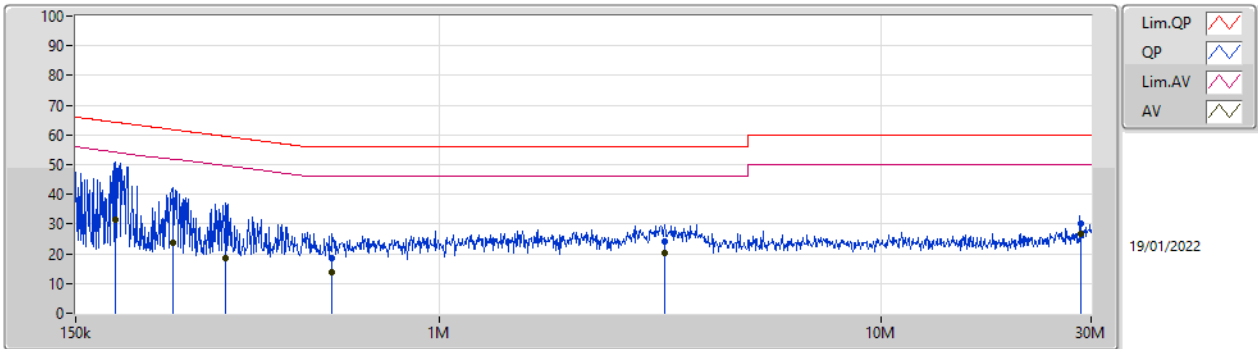
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	182.408k	45.95	64.37	-18.42	Line	-
Mode 1	Pass	AV	182.408k	29.07	54.37	-25.30	Line	-
Mode 1	Pass	QP	249.042k	37.19	61.79	-24.60	Line	-
Mode 1	Pass	AV	249.042k	23.67	51.79	-28.12	Line	-
Mode 1	Pass	QP	326.712k	30.80	59.54	-28.74	Line	-
Mode 1	Pass	AV	326.712k	17.96	49.54	-31.58	Line	-
Mode 1	Pass	QP	2.866M	21.87	56.00	-34.13	Line	-
Mode 1	Pass	AV	2.866M	18.22	46.00	-27.78	Line	-
Mode 1	Pass	QP	4.835M	21.82	56.00	-34.18	Line	-
Mode 1	Pass	AV	4.835M	15.94	46.00	-30.06	Line	-
Mode 1	Pass	QP	28.344M	29.72	60.00	-30.28	Line	-
Mode 1	Pass	AV	28.344M	25.86	50.00	-24.14	Line	-
Mode 1	Pass	QP	184.605k	47.45	64.28	-16.83	Neutral	-
Mode 1	Pass	AV	184.605k	31.58	54.28	-22.70	Neutral	-
Mode 1	Pass	QP	249.042k	37.69	61.79	-24.10	Neutral	-
Mode 1	Pass	AV	249.042k	23.56	51.79	-28.23	Neutral	-
Mode 1	Pass	QP	328.019k	32.01	59.50	-27.49	Neutral	-
Mode 1	Pass	AV	328.019k	18.60	49.50	-30.90	Neutral	-
Mode 1	Pass	QP	571.327k	18.49	56.00	-37.51	Neutral	-
Mode 1	Pass	AV	571.327k	13.83	46.00	-32.17	Neutral	-
Mode 1	Pass	QP	3.244M	24.07	56.00	-31.93	Neutral	-
Mode 1	Pass	AV	3.244M	20.28	46.00	-25.72	Neutral	-
Mode 1	Pass	QP	28.344M	30.07	60.00	-29.93	Neutral	-
Mode 1	Pass	AV	28.344M	26.54	50.00	-23.46	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	182.408k	45.95	64.37	-18.42	19.56	Line	-	26.39	9.61	0.04	9.91
AV	182.408k	29.07	54.37	-25.30	19.56	Line	-	9.51	9.61	0.04	9.91
QP	249.042k	37.19	61.79	-24.60	19.57	Line	-	17.62	9.61	0.05	9.91
AV	249.042k	23.67	51.79	-28.12	19.57	Line	-	4.10	9.61	0.05	9.91
QP	326.712k	30.80	59.54	-28.74	19.56	Line	-	11.24	9.60	0.05	9.91
AV	326.712k	17.96	49.54	-31.58	19.56	Line	-	-1.60	9.60	0.05	9.91
QP	2.866M	21.87	56.00	-34.13	19.67	Line	-	2.20	9.63	0.12	9.92
AV	2.866M	18.22	46.00	-27.78	19.67	Line	-	-1.45	9.63	0.12	9.92
QP	4.835M	21.82	56.00	-34.18	19.70	Line	-	2.12	9.63	0.15	9.92
AV	4.835M	15.94	46.00	-30.06	19.70	Line	-	-3.76	9.63	0.15	9.92
QP	28.344M	29.72	60.00	-30.28	19.74	Line	-	9.98	9.47	0.33	9.94
AV	28.344M	25.86	50.00	-24.14	19.74	Line	-	6.12	9.47	0.33	9.94

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	184.605k	47.45	64.28	-16.83	19.54	Neutral	-	27.91	9.59	0.04	9.91
AV	184.605k	31.58	54.28	-22.70	19.54	Neutral	-	12.04	9.59	0.04	9.91
QP	249.042k	37.69	61.79	-24.10	19.55	Neutral	-	18.14	9.59	0.05	9.91
AV	249.042k	23.56	51.79	-28.23	19.55	Neutral	-	4.01	9.59	0.05	9.91
QP	328.019k	32.01	59.50	-27.49	19.54	Neutral	-	12.47	9.58	0.05	9.91
AV	328.019k	18.60	49.50	-30.90	19.54	Neutral	-	-0.94	9.58	0.05	9.91
QP	571.327k	18.49	56.00	-37.51	19.56	Neutral	-	-1.07	9.58	0.07	9.91
AV	571.327k	13.83	46.00	-32.17	19.56	Neutral	-	-5.73	9.58	0.07	9.91
QP	3.244M	24.07	56.00	-31.93	19.66	Neutral	-	4.41	9.61	0.13	9.92
AV	3.244M	20.28	46.00	-25.72	19.66	Neutral	-	0.62	9.61	0.13	9.92
QP	28.344M	30.07	60.00	-29.93	19.92	Neutral	-	10.15	9.65	0.33	9.94
AV	28.344M	26.54	50.00	-23.46	19.92	Neutral	-	6.62	9.65	0.33	9.94



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
BT-LE(1Mbps)_1TX(Port1)	663.75k	1.042M	1M04F1D	658.75k	1.039M
BT-LE(2Mbps)_1TX(Port1)	1.183M	2.076M	2M08F1D	1.173M	2.071M

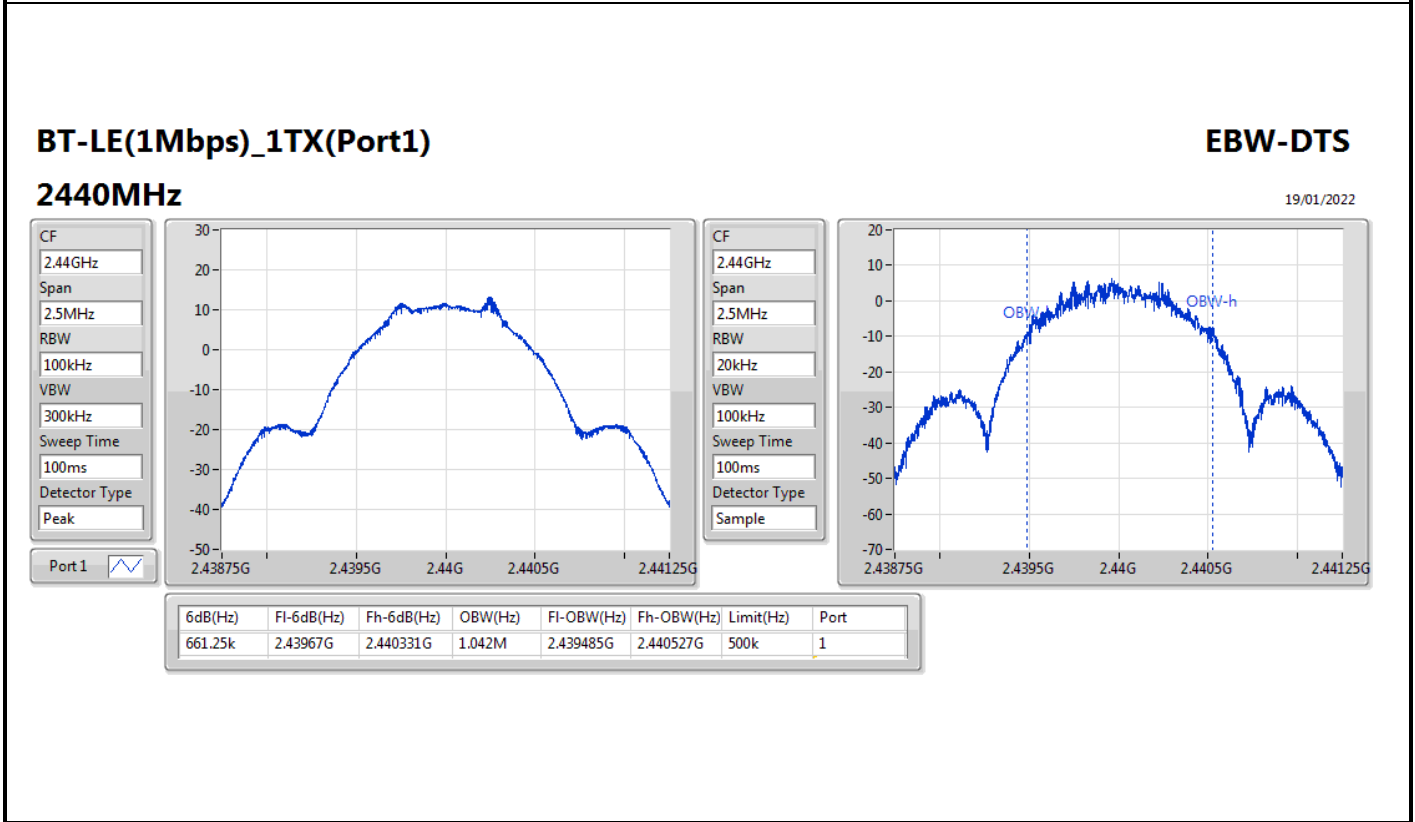
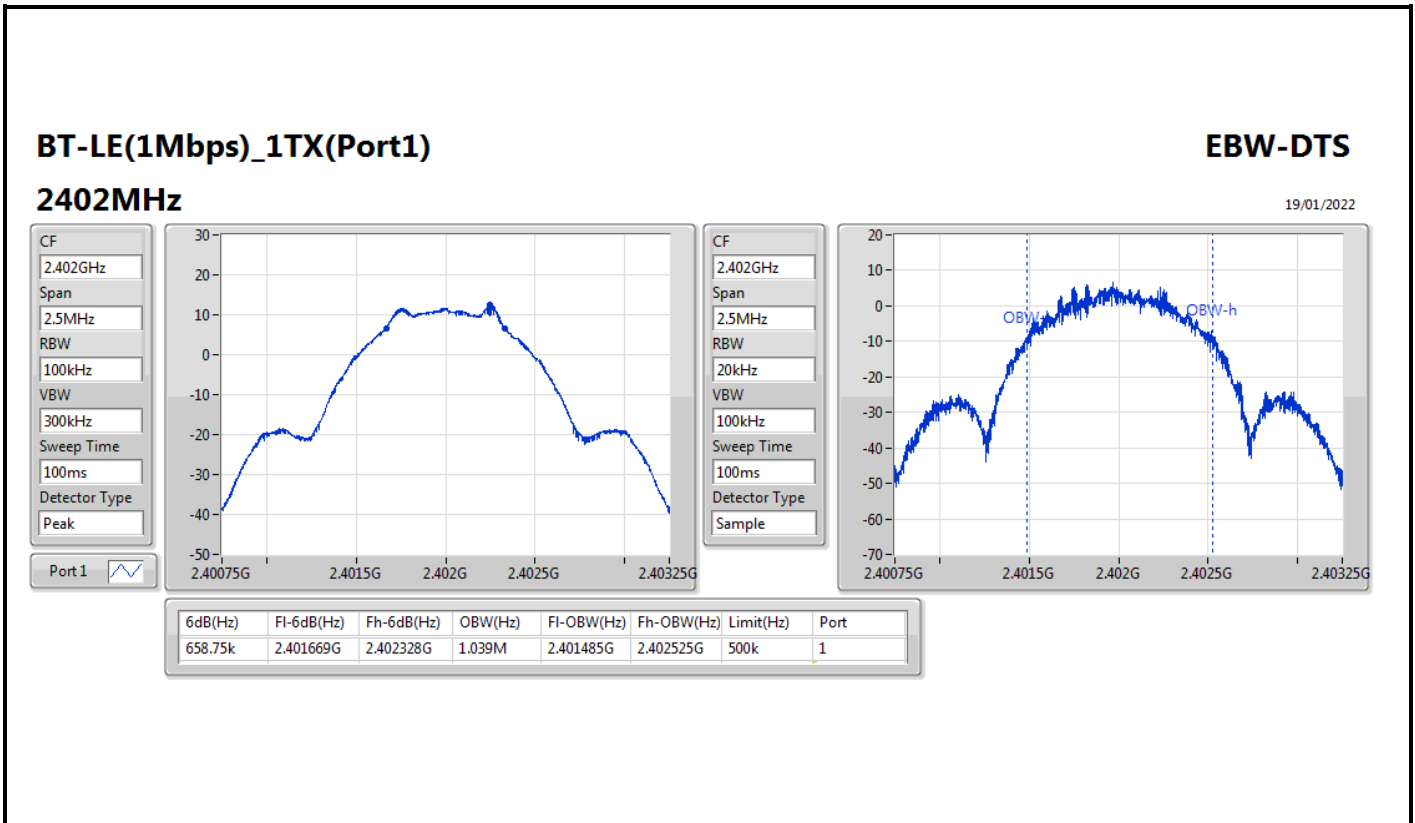
Max-N dB = Maximum 6dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth



Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-LE(1Mbps)_1TX(Port1)	-	-	-	-
2402MHz	Pass	500k	658.75k	1.039M
2440MHz	Pass	500k	661.25k	1.042M
2480MHz	Pass	500k	663.75k	1.042M
BT-LE(2Mbps)_1TX(Port1)	-	-	-	-
2402MHz	Pass	500k	1.173M	2.076M
2440MHz	Pass	500k	1.175M	2.076M
2480MHz	Pass	500k	1.183M	2.071M

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

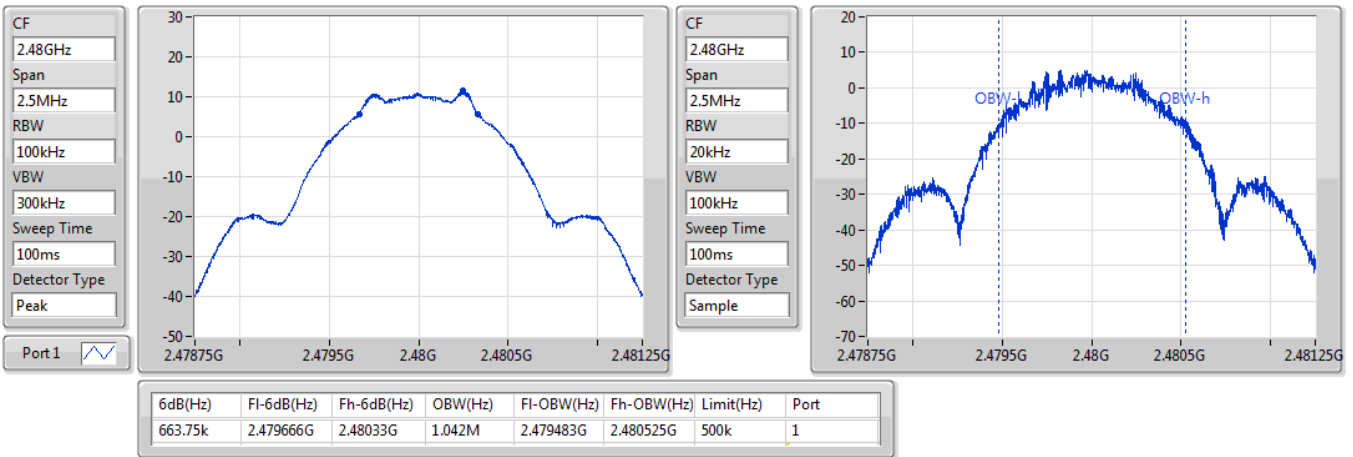


BT-LE(1Mbps)_1TX(Port1)

EBW-DTS

2480MHz

19/01/2022

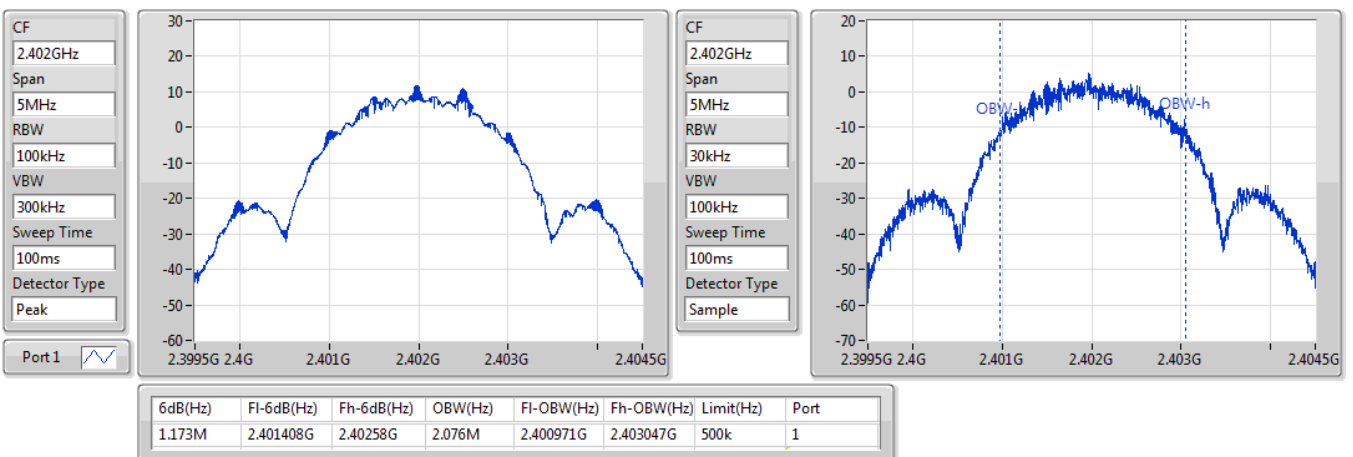


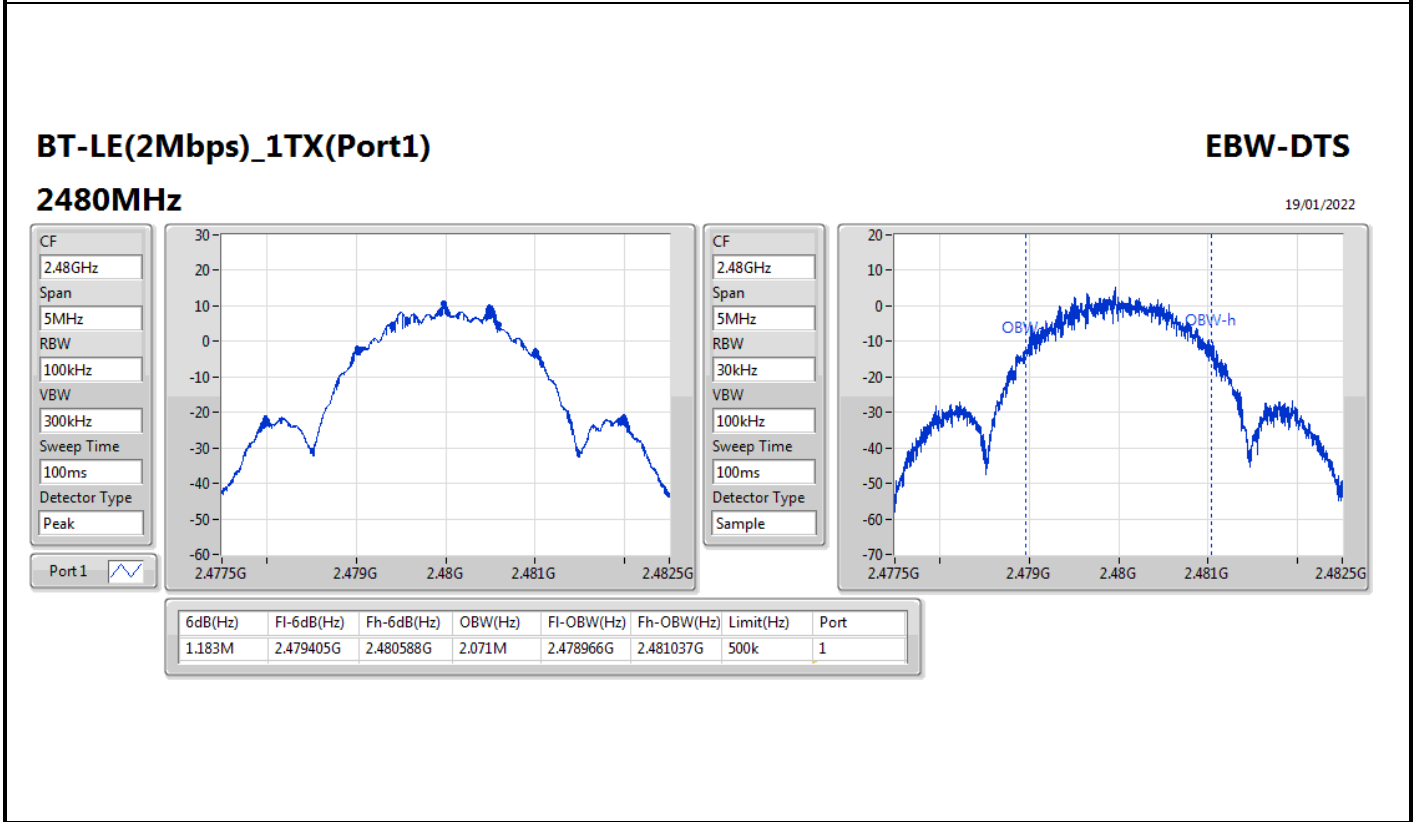
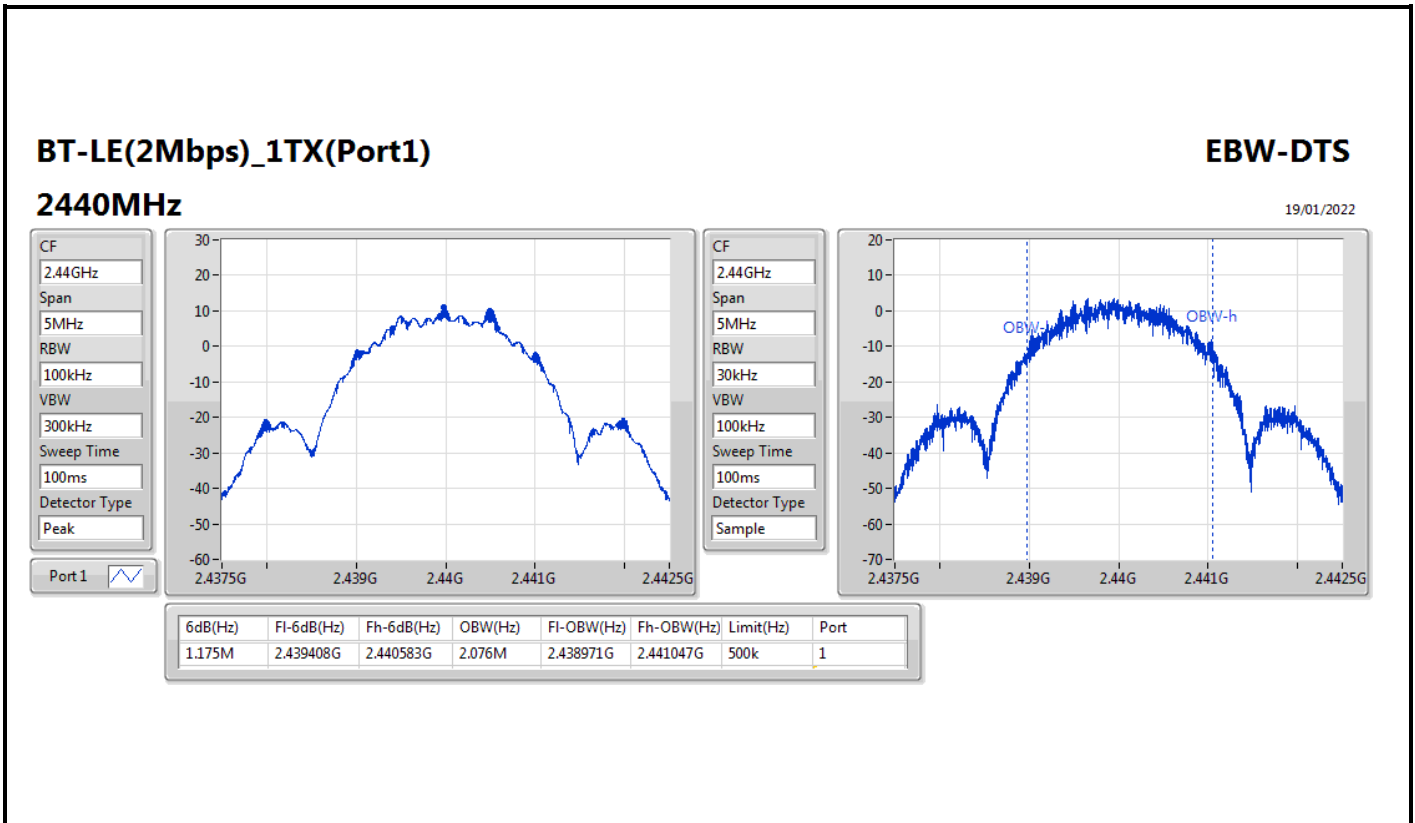
BT-LE(2Mbps)_1TX(Port1)

EBW-DTS

2402MHz

19/01/2022







Summary

Mode	Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)_1TX(Port1)	12.86	0.01932
BT-LE(2Mbps)_1TX(Port1)	12.83	0.01919



Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-LE(1Mbps)_1TX(Port1)	-	-	-	-
2402MHz	Pass	2.97	12.86	30.00
2440MHz	Pass	2.97	12.46	30.00
2480MHz	Pass	2.97	12.21	30.00
BT-LE(2Mbps)_1TX(Port1)	-	-	-	-
2402MHz	Pass	2.97	12.83	30.00
2440MHz	Pass	2.97	12.53	30.00
2480MHz	Pass	2.97	12.17	30.00

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



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
BT-LE(1Mbps)_1TX(Port1)	-4.86
BT-LE(2Mbps)_1TX(Port1)	-10.07

RBW = 3kHz;



Result

Mode	Result	Gain (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
BT-LE(1Mbps)_1TX(Port1)	-	-	-	-
2402MHz	Pass	2.97	-4.86	8.00
2440MHz	Pass	2.97	-5.25	8.00
2480MHz	Pass	2.97	-5.33	8.00
BT-LE(2Mbps)_1TX(Port1)	-	-	-	-
2402MHz	Pass	2.97	-10.07	8.00
2440MHz	Pass	2.97	-10.23	8.00
2480MHz	Pass	2.97	-11.65	8.00

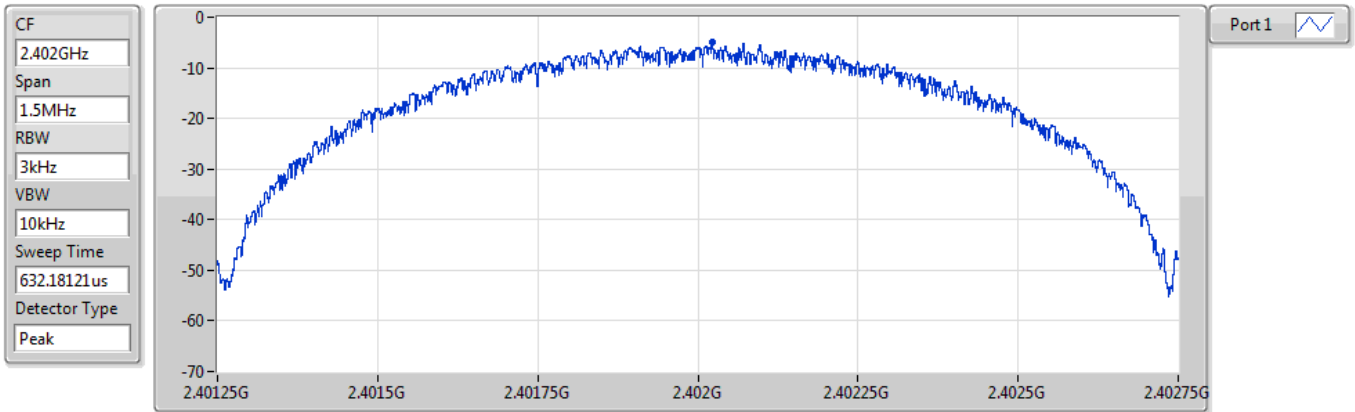
DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

BT-LE(1Mbps)_1TX(Port1)

PSD

2402MHz

19/01/2022



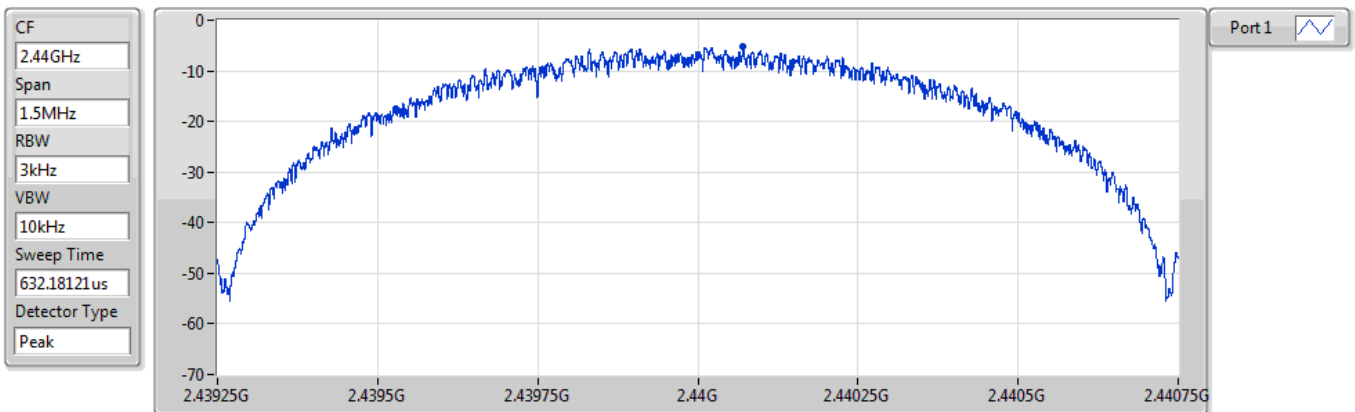
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.86	-4.86	-4.86

BT-LE(1Mbps)_1TX(Port1)

PSD

2440MHz

19/01/2022



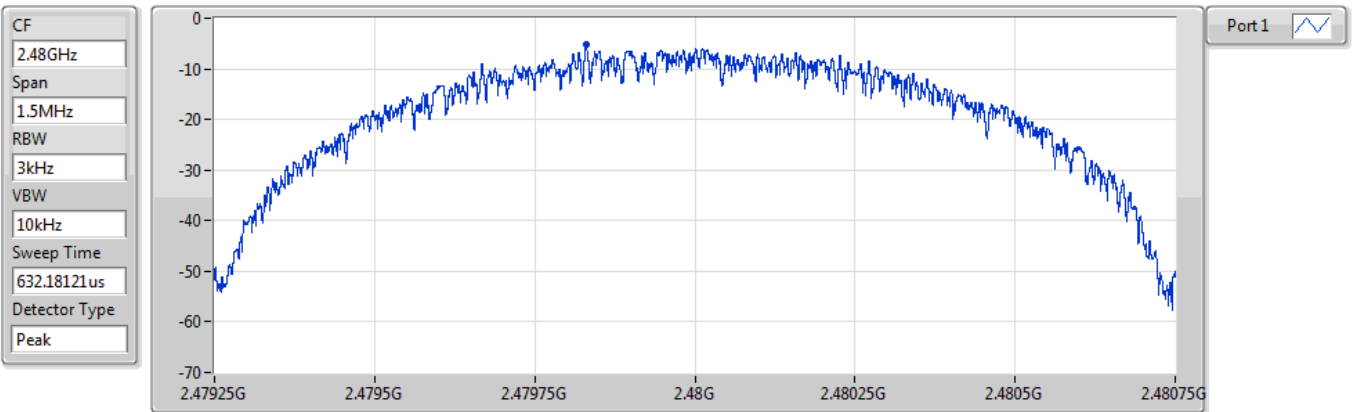
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.25	-5.25	-5.25

BT-LE(1Mbps)_1TX(Port1)

PSD

2480MHz

19/01/2022



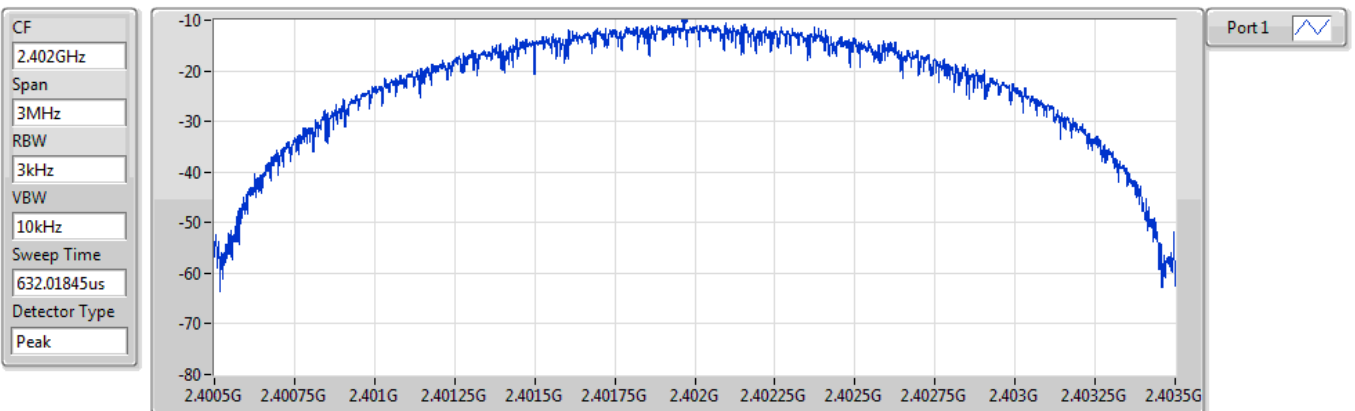
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.33	-5.33	-5.33

BT-LE(2Mbps)_1TX(Port1)

PSD

2402MHz

19/01/2022



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.07	-10.07	-10.07

BT-LE(2Mbps)_1TX(Port1)

PSD

2440MHz

19/01/2022

CF
2.44GHz

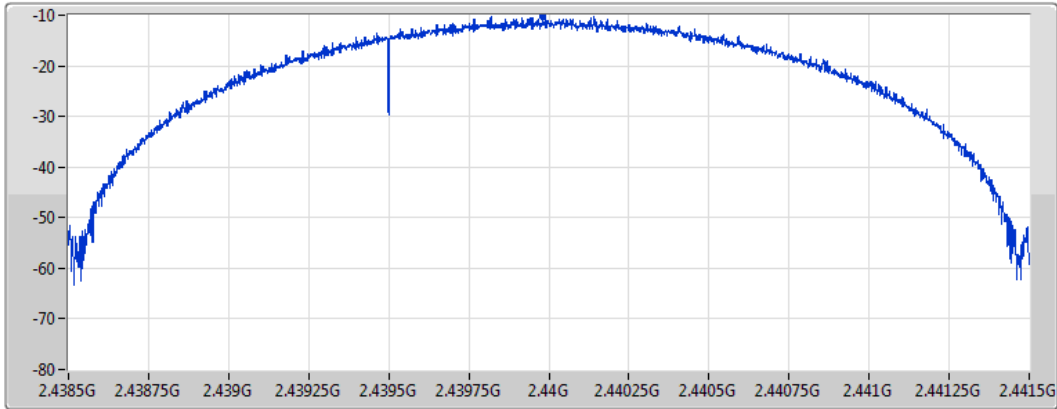
Span
3MHz


RBW
3kHz

VBW
10kHz

Sweep Time
632.01845us

Detector Type
Peak



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.23	-10.23	-10.23

BT-LE(2Mbps)_1TX(Port1)

PSD

2480MHz

19/01/2022

CF
2.48GHz

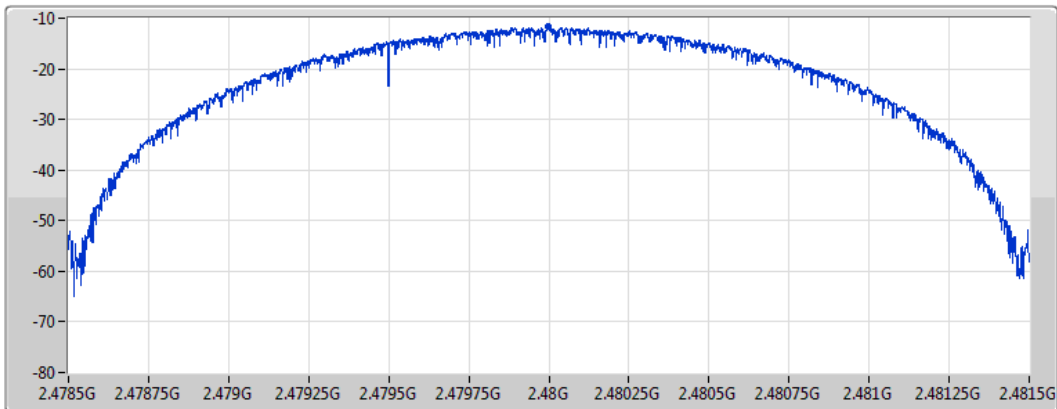
Span
3MHz


RBW
3kHz

VBW
10kHz

Sweep Time
632.01845us

Detector Type
Peak



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.65	-11.65	-11.65



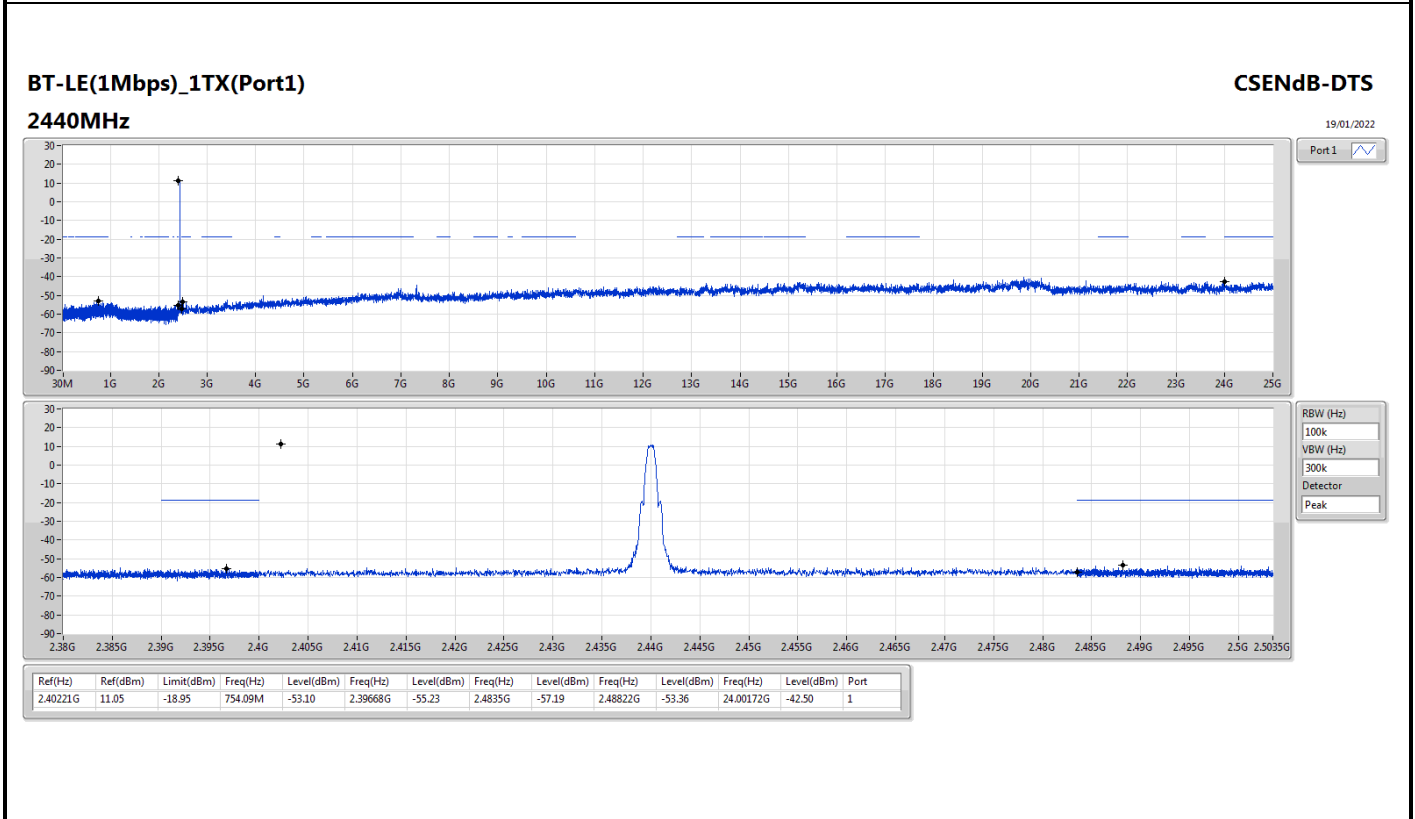
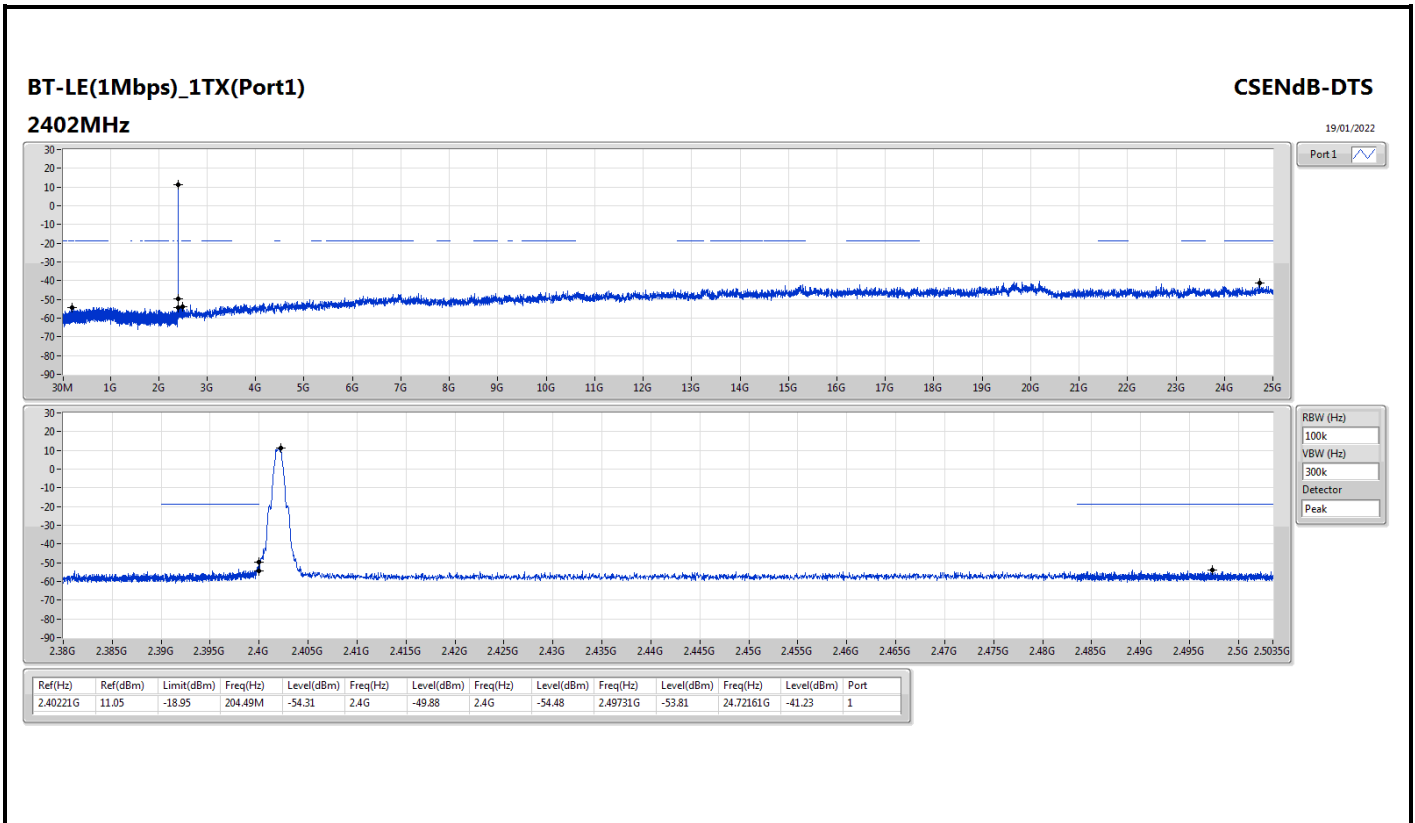
Summary

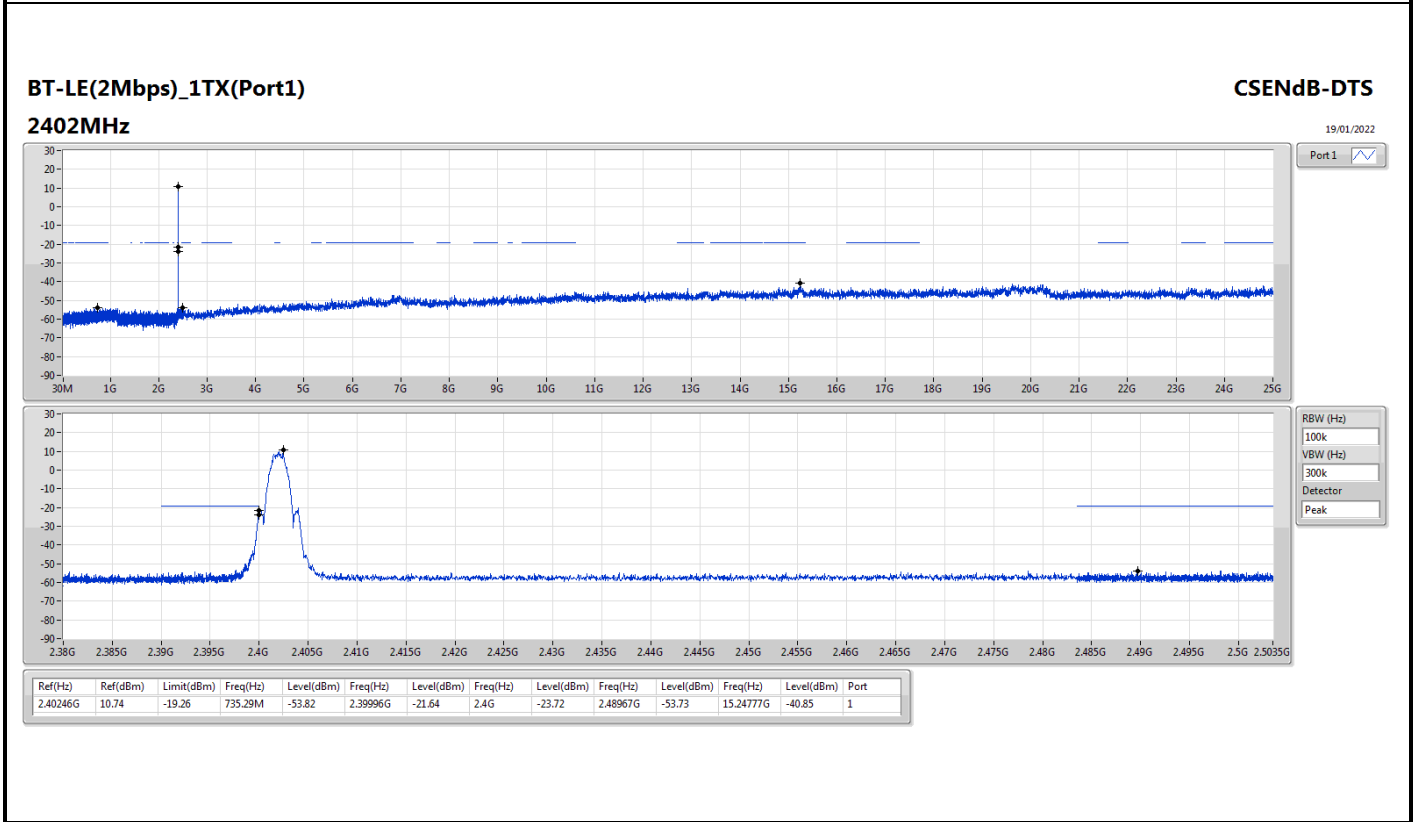
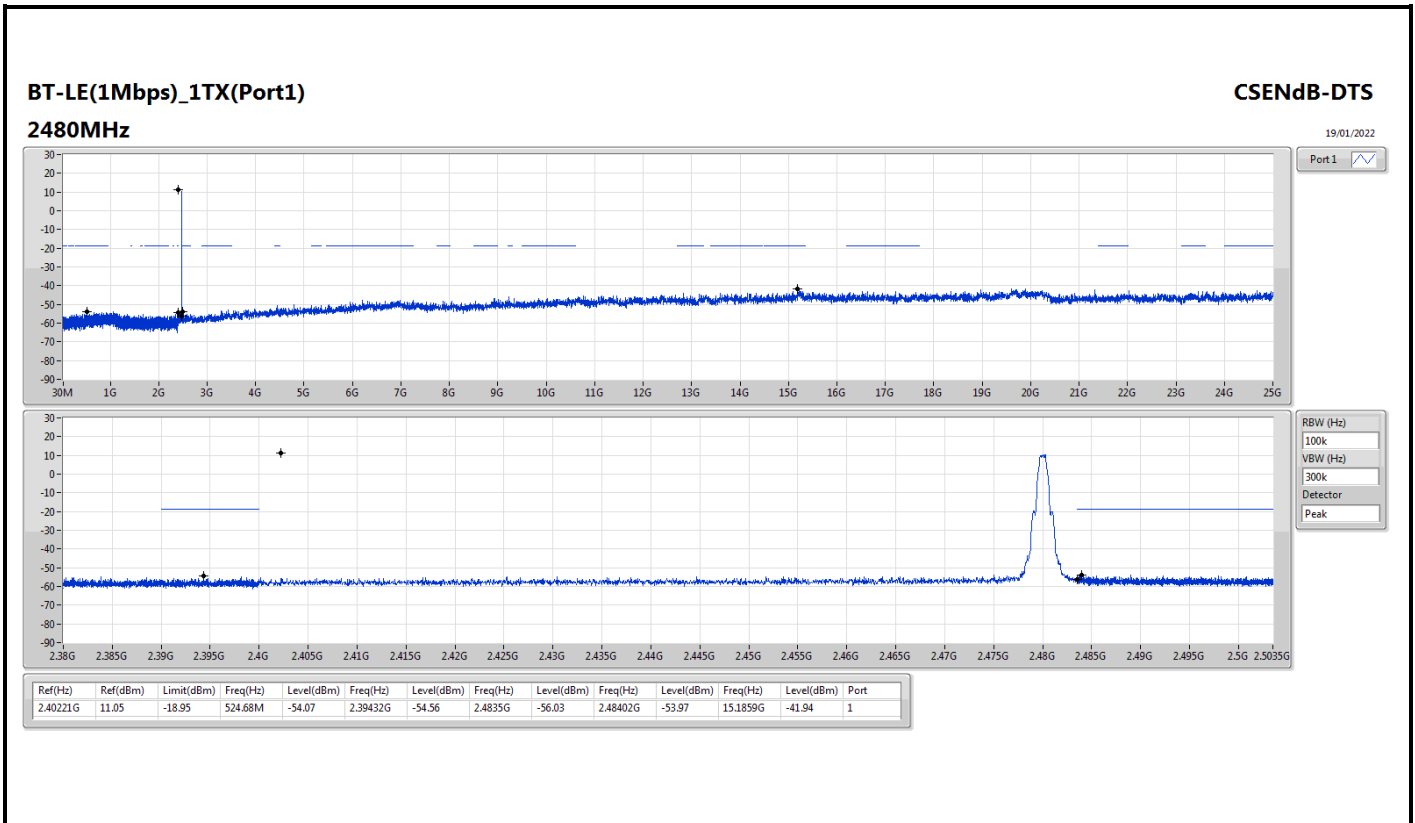
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)_1TX(Port1)	Pass	2.40221G	11.05	-18.95	204.49M	-54.31	2.4G	-49.88	2.4G	-54.48	2.49731G	-53.81	24.72161G	-41.23	1
BT-LE(2Mbps)_1TX(Port1)	Pass	2.40246G	10.74	-19.26	735.29M	-53.82	2.39996G	-21.64	2.4G	-23.72	2.48967G	-53.73	15.24777G	-40.85	1

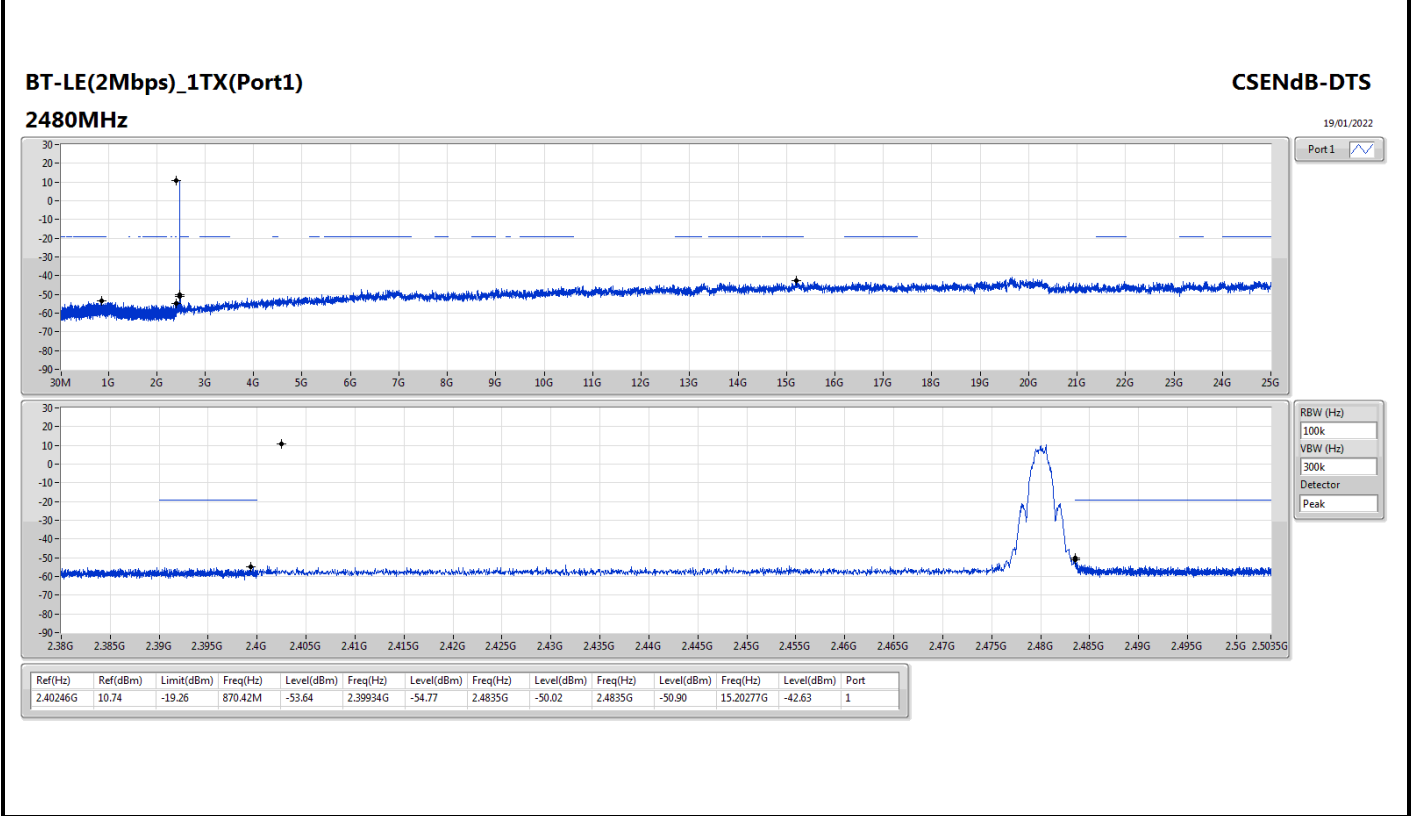
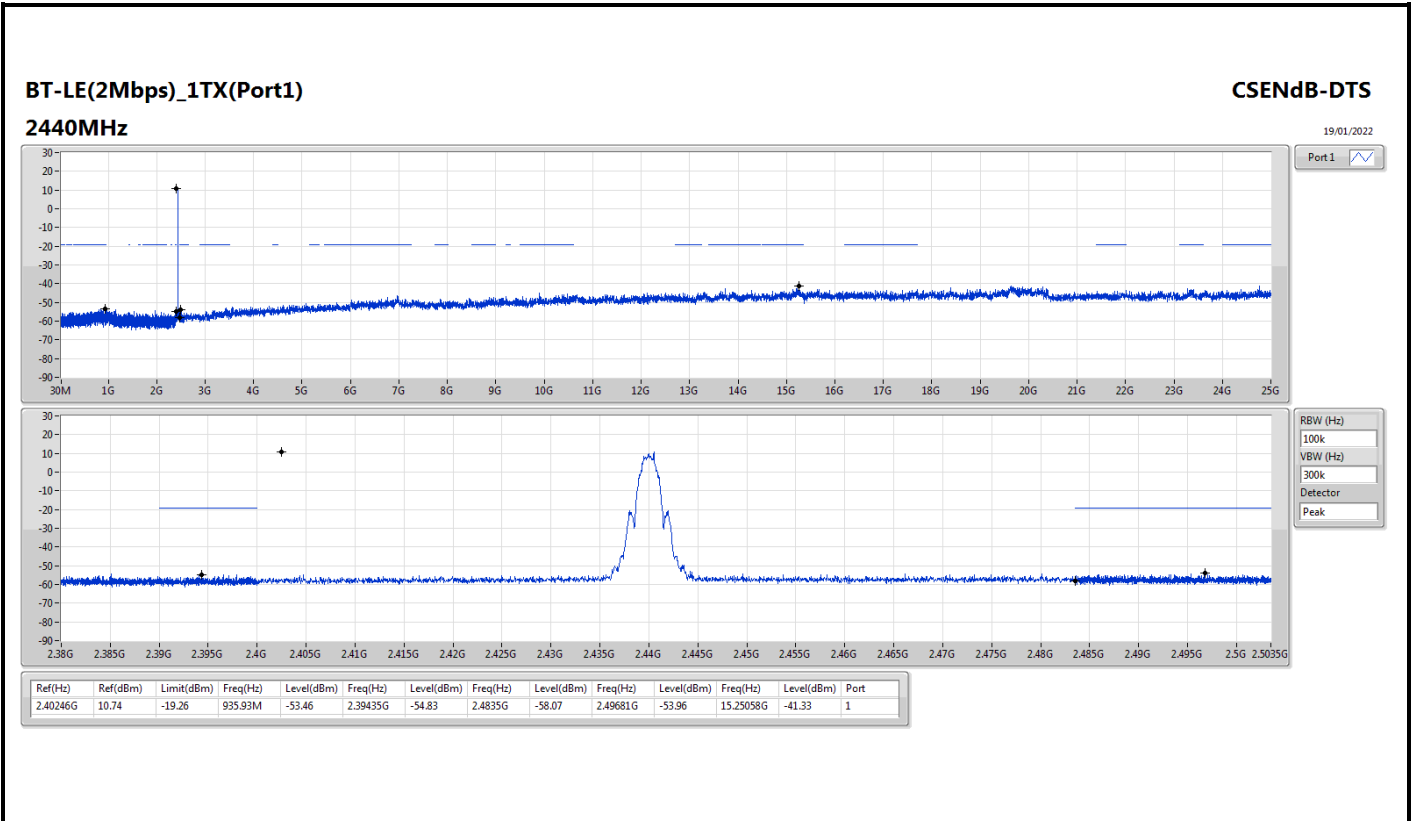


Result

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)_1TX(Port1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40221G	11.05	-18.95	204.49M	-54.31	2.4G	-49.88	2.4G	-54.48	2.49731G	-53.81	24.72161G	-41.23	1
2440MHz	Pass	2.40221G	11.05	-18.95	754.09M	-53.10	2.39668G	-55.23	2.4835G	-57.19	2.48822G	-53.36	24.00172G	-42.50	1
2480MHz	Pass	2.40221G	11.05	-18.95	524.68M	-54.07	2.39432G	-54.56	2.4835G	-56.03	2.48402G	-53.97	15.1859G	-41.94	1
BT-LE(2Mbps)_1TX(Port1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40246G	10.74	-19.26	735.29M	-53.82	2.39996G	-21.64	2.4G	-23.72	2.48967G	-53.73	15.24777G	-40.85	1
2440MHz	Pass	2.40246G	10.74	-19.26	935.93M	-53.46	2.39435G	-54.83	2.4835G	-58.07	2.49681G	-53.96	15.25058G	-41.33	1
2480MHz	Pass	2.40246G	10.74	-19.26	870.42M	-53.64	2.39934G	-54.77	2.4835G	-50.02	2.4835G	-50.90	15.20277G	-42.63	1









Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
BT-LE(2Mbps)_1TX(Port1)	Pass	PK	450.98M	41.88	46.00	-4.12	3	Horizontal	0	1.00	-

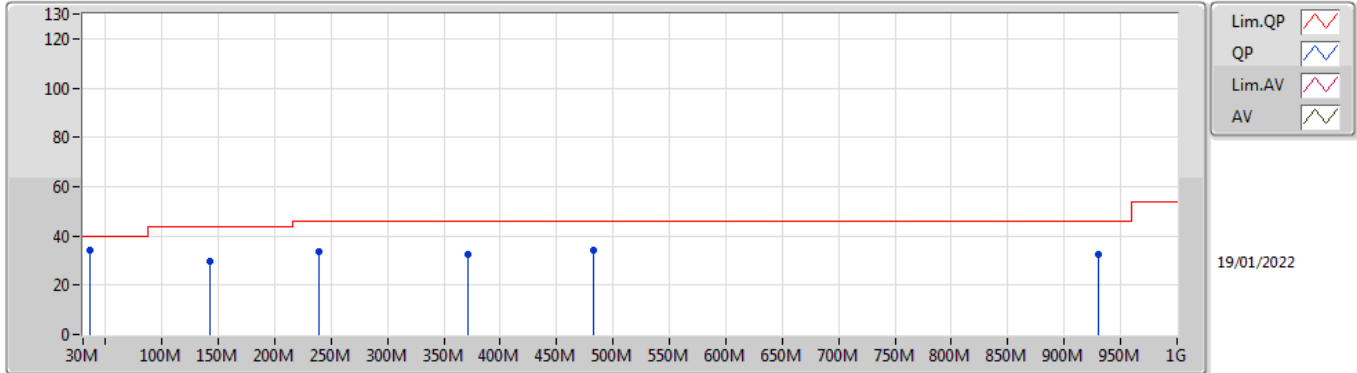


Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-LE(2Mbps)_1TX(Port1)	-	-	-	-	-	-	-	-	-	-	-
2440MHz_Test Fixture	Pass	PK	35.82M	34.20	40.00	-5.80	3	Vertical	360	1.00	-
2440MHz_Test Fixture	Pass	PK	142.52M	29.97	43.50	-13.53	3	Vertical	360	1.00	-
2440MHz_Test Fixture	Pass	PK	239.52M	33.72	46.00	-12.28	3	Vertical	360	1.00	-
2440MHz_Test Fixture	Pass	PK	371.44M	32.53	46.00	-13.47	3	Vertical	360	1.00	-
2440MHz_Test Fixture	Pass	PK	482.02M	34.38	46.00	-11.62	3	Vertical	360	1.00	-
2440MHz_Test Fixture	Pass	PK	930.16M	32.69	46.00	-13.31	3	Vertical	360	1.00	-
2440MHz_Test Fixture	Pass	PK	142.52M	35.35	43.50	-8.15	3	Horizontal	0	1.00	-
2440MHz_Test Fixture	Pass	PK	245.34M	41.85	46.00	-4.15	3	Horizontal	0	1.00	-
2440MHz_Test Fixture	Pass	PK	293.84M	36.47	46.00	-9.53	3	Horizontal	0	1.00	-
2440MHz_Test Fixture	Pass	PK	450.98M	41.88	46.00	-4.12	3	Horizontal	0	1.00	-
2440MHz_Test Fixture	Pass	PK	480.08M	38.99	46.00	-7.01	3	Horizontal	0	1.00	-
2440MHz_Test Fixture	Pass	PK	957.32M	34.12	46.00	-11.88	3	Horizontal	0	1.00	-

BT-LE(2Mbps)_1TX(Port1)

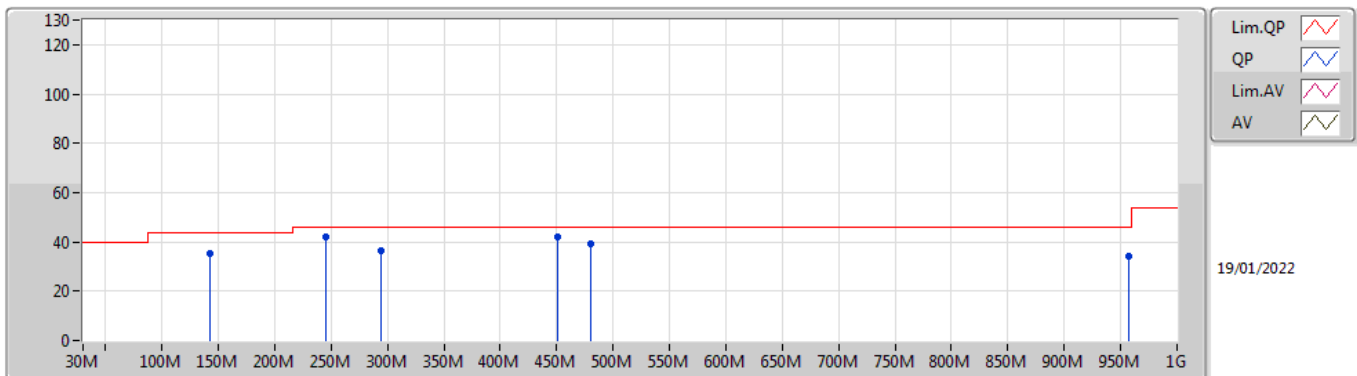
2440MHz_Test Fixture



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	35.82M	34.20	40.00	-5.80	-6.09	3	Vertical	360	1.00	-	40.29	20.17	0.92	27.18
PK	142.52M	29.97	43.50	-13.53	-9.75	3	Vertical	360	1.00	-	39.72	16.18	1.66	27.59
PK	239.52M	33.72	46.00	-12.28	-8.55	3	Vertical	360	1.00	-	42.27	16.42	2.11	27.08
PK	371.44M	32.53	46.00	-13.47	-4.88	3	Vertical	360	1.00	-	37.41	20.01	2.63	27.52
PK	482.02M	34.38	46.00	-11.62	-2.56	3	Vertical	360	1.00	-	36.94	22.67	3.02	28.25
PK	930.16M	32.69	46.00	-13.31	2.66	3	Vertical	360	1.00	-	30.03	25.88	4.15	27.37

BT-LE(2Mbps)_1TX(Port1)

2440MHz_Test Fixture



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	142.52M	35.35	43.50	-8.15	-9.75	3	Horizontal	0	1.00	-	45.10	16.18	1.66	27.59
PK	245.34M	41.85	46.00	-4.15	-7.89	3	Horizontal	0	1.00	-	49.74	17.03	2.13	27.05
PK	293.84M	36.47	46.00	-9.53	-6.52	3	Horizontal	0	1.00	-	42.99	18.21	2.33	27.06
PK	450.98M	41.88	46.00	-4.12	-3.25	3	Horizontal	0	1.00	-	45.13	21.93	2.90	28.08
PK	480.08M	38.99	46.00	-7.01	-2.61	3	Horizontal	0	1.00	-	41.60	22.62	3.01	28.24
PK	957.32M	34.12	46.00	-11.88	3.11	3	Horizontal	0	1.00	-	31.01	26.17	4.20	27.26



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)_1TX(Port1)	Pass	AV	2.4835G	52.10	54.00	-1.90	3	Vertical	270	1.00	-
BT-LE(2Mbps)_1TX(Port1)	Pass	AV	2.4835G	53.86	54.00	-0.14	3	Vertical	273	1.05	-



Result

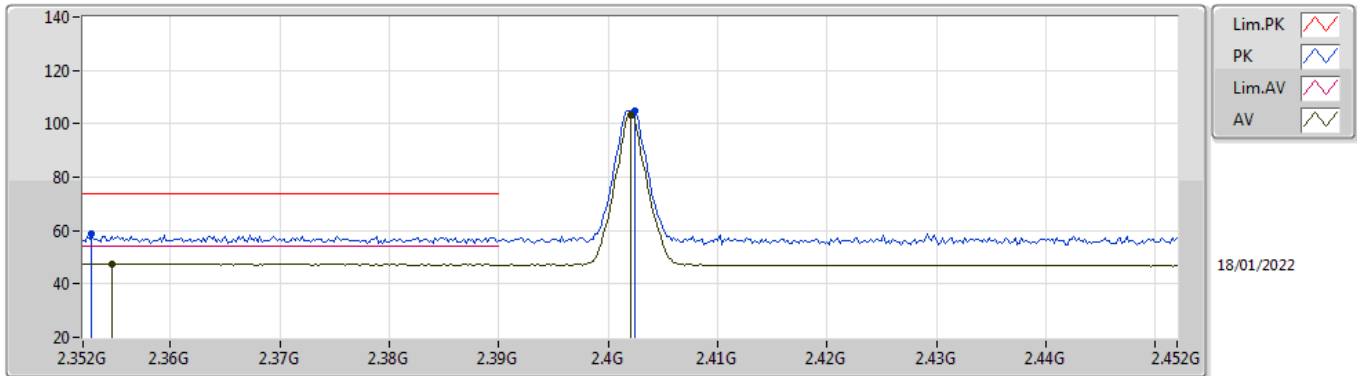
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-LE(1Mbps)_1TX(Port1)	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3546G	47.66	54.00	-6.34	3	Vertical	274	1.28	-
2402MHz	Pass	AV	2.402G	103.51	Inf	-Inf	3	Vertical	274	1.28	-
2402MHz	Pass	PK	2.3528G	58.81	74.00	-15.19	3	Vertical	274	1.28	-
2402MHz	Pass	PK	2.4024G	104.96	Inf	-Inf	3	Vertical	274	1.28	-
2402MHz	Pass	AV	2.3594G	47.50	54.00	-6.50	3	Horizontal	351	1.00	-
2402MHz	Pass	AV	2.402G	106.03	Inf	-Inf	3	Horizontal	351	1.00	-
2402MHz	Pass	PK	2.3692G	59.35	74.00	-14.65	3	Horizontal	351	1.00	-
2402MHz	Pass	PK	2.4024G	107.68	Inf	-Inf	3	Horizontal	351	1.00	-
2402MHz	Pass	AV	4.80346G	30.34	54.00	-23.66	3	Vertical	91	1.06	-
2402MHz	Pass	PK	4.80305G	43.51	74.00	-30.49	3	Vertical	91	1.06	-
2402MHz	Pass	AV	4.80399G	30.59	54.00	-23.41	3	Horizontal	161	1.00	-
2402MHz	Pass	PK	4.80369G	43.33	74.00	-30.67	3	Horizontal	161	1.00	-
2440MHz	Pass	AV	2.3524G	47.60	54.00	-6.40	3	Vertical	295	1.05	-
2440MHz	Pass	AV	2.44G	102.03	Inf	-Inf	3	Vertical	295	1.05	-
2440MHz	Pass	AV	2.4884G	47.05	54.00	-6.95	3	Vertical	295	1.05	-
2440MHz	Pass	PK	2.384G	59.01	74.00	-14.99	3	Vertical	295	1.05	-
2440MHz	Pass	PK	2.44G	103.52	Inf	-Inf	3	Vertical	295	1.05	-
2440MHz	Pass	PK	2.5G	57.77	74.00	-16.23	3	Vertical	295	1.05	-
2440MHz	Pass	AV	2.3404G	47.79	54.00	-6.21	3	Horizontal	348	1.27	-
2440MHz	Pass	AV	2.44G	105.55	Inf	-Inf	3	Horizontal	348	1.27	-
2440MHz	Pass	AV	2.486G	47.06	54.00	-6.94	3	Horizontal	348	1.27	-
2440MHz	Pass	PK	2.3596G	58.43	74.00	-15.57	3	Horizontal	348	1.27	-
2440MHz	Pass	PK	2.4404G	107.06	Inf	-Inf	3	Horizontal	348	1.27	-
2440MHz	Pass	PK	2.4996G	58.06	74.00	-15.94	3	Horizontal	348	1.27	-
2440MHz	Pass	AV	4.8803G	30.81	54.00	-23.19	3	Vertical	93	1.50	-
2440MHz	Pass	PK	4.88052G	43.84	74.00	-30.16	3	Vertical	93	1.50	-
2440MHz	Pass	AV	4.87957G	30.69	54.00	-23.31	3	Horizontal	174	1.00	-
2440MHz	Pass	PK	4.87939G	43.21	74.00	-30.79	3	Horizontal	174	1.00	-
2480MHz	Pass	AV	2.48G	104.91	Inf	-Inf	3	Vertical	270	1.00	-
2480MHz	Pass	AV	2.4835G	52.10	54.00	-1.90	3	Vertical	270	1.00	-
2480MHz	Pass	PK	2.4798G	106.42	Inf	-Inf	3	Vertical	270	1.00	-
2480MHz	Pass	PK	2.4878G	59.04	74.00	-14.96	3	Vertical	270	1.00	-
2480MHz	Pass	AV	2.48G	104.29	Inf	-Inf	3	Horizontal	346	2.67	-
2480MHz	Pass	AV	2.4835G	51.54	54.00	-2.46	3	Horizontal	346	2.67	-
2480MHz	Pass	PK	2.4802G	105.78	Inf	-Inf	3	Horizontal	346	2.67	-
2480MHz	Pass	PK	2.4835G	58.15	74.00	-15.85	3	Horizontal	346	2.67	-
2480MHz	Pass	AV	4.9599G	34.62	54.00	-19.38	3	Vertical	94	1.15	-
2480MHz	Pass	PK	4.95957G	45.56	74.00	-28.44	3	Vertical	94	1.15	-
2480MHz	Pass	AV	4.95968G	32.43	54.00	-21.57	3	Horizontal	26	2.91	-
2480MHz	Pass	PK	4.96027G	44.74	74.00	-29.26	3	Horizontal	26	2.91	-
BT-LE(2Mbps)_1TX(Port1)	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3638G	47.63	54.00	-6.37	3	Vertical	276	1.27	-
2402MHz	Pass	AV	2.402G	103.57	Inf	-Inf	3	Vertical	276	1.27	-
2402MHz	Pass	PK	2.3612G	58.47	74.00	-15.53	3	Vertical	276	1.27	-
2402MHz	Pass	PK	2.4016G	107.30	Inf	-Inf	3	Vertical	276	1.27	-
2402MHz	Pass	AV	2.3574G	47.64	54.00	-6.36	3	Horizontal	350	1.00	-
2402MHz	Pass	AV	2.402G	105.13	Inf	-Inf	3	Horizontal	350	1.00	-
2402MHz	Pass	PK	2.3872G	59.07	74.00	-14.93	3	Horizontal	350	1.00	-
2402MHz	Pass	PK	2.4016G	108.53	Inf	-Inf	3	Horizontal	350	1.00	-
2402MHz	Pass	AV	4.80072G	30.08	54.00	-23.92	3	Vertical	124	1.34	-
2402MHz	Pass	PK	4.80754G	43.58	74.00	-30.42	3	Vertical	124	1.34	-
2402MHz	Pass	AV	4.803G	30.30	54.00	-23.70	3	Horizontal	182	1.05	-
2402MHz	Pass	PK	4.80512G	43.14	74.00	-30.86	3	Horizontal	182	1.05	-
2440MHz	Pass	AV	2.3424G	47.75	54.00	-6.25	3	Vertical	290	1.13	-
2440MHz	Pass	AV	2.44G	103.71	Inf	-Inf	3	Vertical	290	1.13	-
2440MHz	Pass	AV	2.4868G	47.15	54.00	-6.85	3	Vertical	290	1.13	-
2440MHz	Pass	PK	2.3416G	59.07	74.00	-14.93	3	Vertical	290	1.13	-
2440MHz	Pass	PK	2.4404G	107.27	Inf	-Inf	3	Vertical	290	1.13	-
2440MHz	Pass	PK	2.4872G	57.96	74.00	-16.04	3	Vertical	290	1.13	-
2440MHz	Pass	AV	2.356G	47.81	54.00	-6.19	3	Horizontal	347	1.27	-



Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2440MHz	Pass	AV	2.44G	105.27	Inf	-Inf	3	Horizontal	347	1.27	-
2440MHz	Pass	AV	2.4948G	47.08	54.00	-6.92	3	Horizontal	347	1.27	-
2440MHz	Pass	PK	2.3512G	58.59	74.00	-15.41	3	Horizontal	347	1.27	-
2440MHz	Pass	PK	2.4404G	108.96	Inf	-Inf	3	Horizontal	347	1.27	-
2440MHz	Pass	PK	2.4944G	57.73	74.00	-16.27	3	Horizontal	347	1.27	-
2440MHz	Pass	AV	4.88097G	30.40	54.00	-23.60	3	Vertical	92	1.50	-
2440MHz	Pass	PK	4.88122G	43.32	74.00	-30.68	3	Vertical	92	1.50	-
2440MHz	Pass	AV	4.87924G	30.51	54.00	-23.49	3	Horizontal	165	1.00	-
2440MHz	Pass	PK	4.87586G	43.48	74.00	-30.52	3	Horizontal	165	1.00	-
2480MHz	Pass	AV	2.48G	102.82	Inf	-Inf	3	Vertical	273	1.05	-
2480MHz	Pass	AV	2.4835G	53.86	54.00	-0.14	3	Vertical	273	1.05	-
2480MHz	Pass	PK	2.4796G	106.35	Inf	-Inf	3	Vertical	273	1.05	-
2480MHz	Pass	PK	2.4835G	61.47	74.00	-12.53	3	Vertical	273	1.05	-
2480MHz	Pass	AV	2.48G	102.49	Inf	-Inf	3	Horizontal	348	2.74	-
2480MHz	Pass	AV	2.4835G	53.55	54.00	-0.45	3	Horizontal	348	2.74	-
2480MHz	Pass	PK	2.4796G	106.10	Inf	-Inf	3	Horizontal	348	2.74	-
2480MHz	Pass	PK	2.4835G	60.95	74.00	-13.05	3	Horizontal	348	2.74	-
2480MHz	Pass	AV	4.96094G	32.99	54.00	-21.01	3	Vertical	86	1.10	-
2480MHz	Pass	PK	4.959G	45.40	74.00	-28.60	3	Vertical	86	1.10	-
2480MHz	Pass	AV	4.96094G	31.44	54.00	-22.56	3	Horizontal	23	2.77	-
2480MHz	Pass	PK	4.96072G	43.70	74.00	-30.30	3	Horizontal	23	2.77	-

BT-LE(1Mbps)_1TX(Port1)

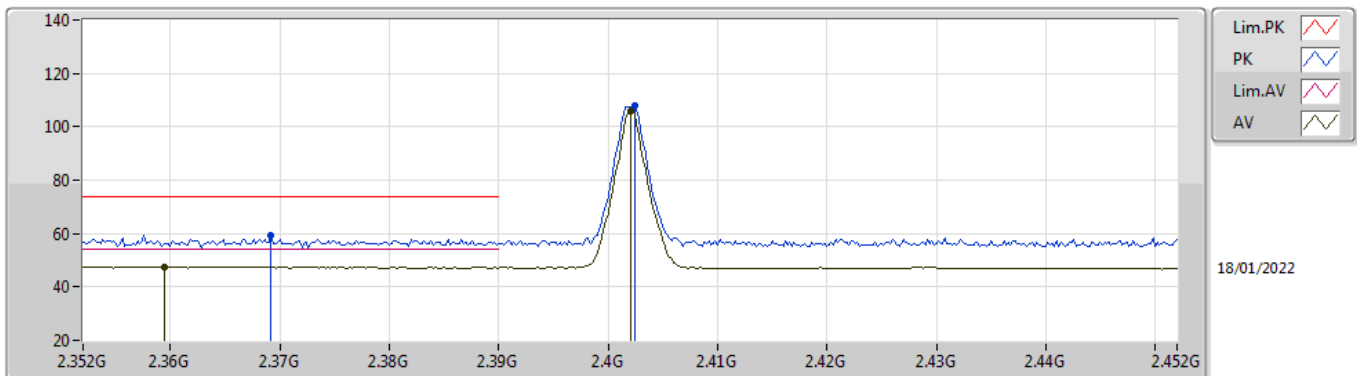
2402MHz_TX



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	2.3546G	47.66	54.00	-6.34	35.03	3	Vertical	274	1.28	-	12.63	27.79	7.24	-
AV	2.402G	103.51	Inf	-Inf	34.95	3	Vertical	274	1.28	-	68.56	27.69	7.26	-
PK	2.3528G	58.81	74.00	-15.19	35.03	3	Vertical	274	1.28	-	23.78	27.79	7.24	-
PK	2.4024G	104.96	Inf	-Inf	34.95	3	Vertical	274	1.28	-	70.01	27.69	7.26	-

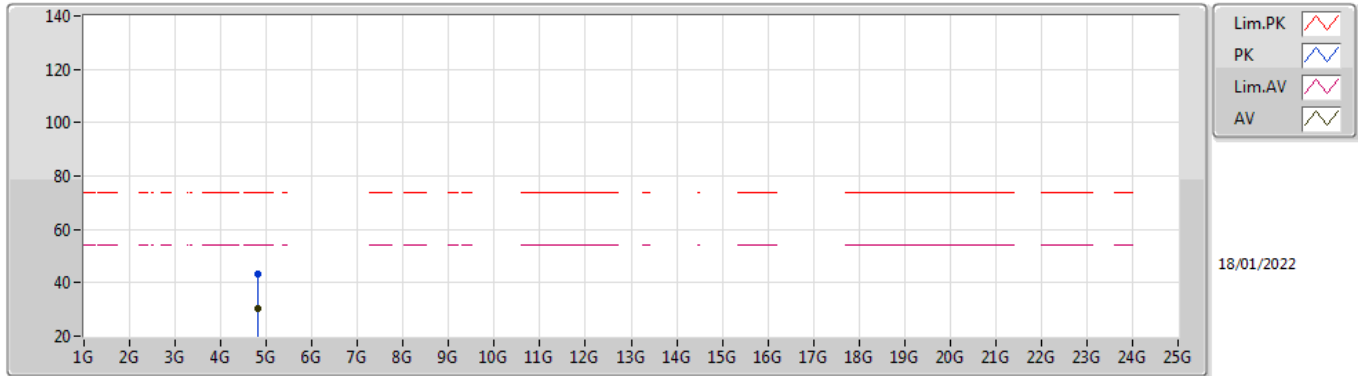
BT-LE(1Mbps)_1TX(Port1)

2402MHz_TX



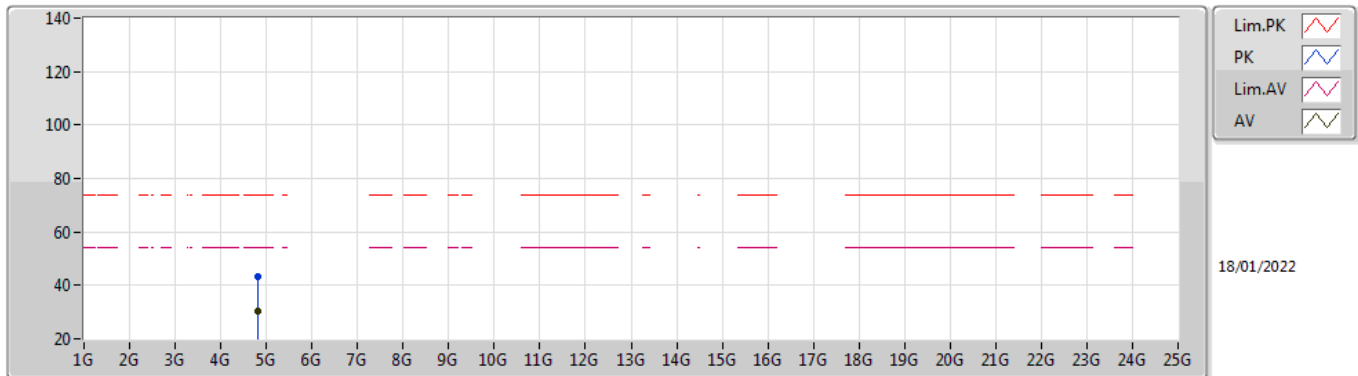
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3594G	47.50	54.00	-6.50	35.02	3	Horizontal	351	1.00	-	12.48	27.78	7.24	-
AV	2.402G	106.03	Inf	-Inf	34.95	3	Horizontal	351	1.00	-	71.08	27.69	7.26	-
PK	2.3692G	59.35	74.00	-14.65	35.01	3	Horizontal	351	1.00	-	24.34	27.76	7.25	-
PK	2.4024G	107.68	Inf	-Inf	34.95	3	Horizontal	351	1.00	-	72.73	27.69	7.26	-

BT-LE(1Mbps)_1TX(Port1)
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	4.80346G	30.34	54.00	-23.66	5.82	3	Vertical	91	1.06	-	24.52	31.11	8.90	34.19
PK	4.80305G	43.51	74.00	-30.49	5.82	3	Vertical	91	1.06	-	37.69	31.11	8.90	34.19

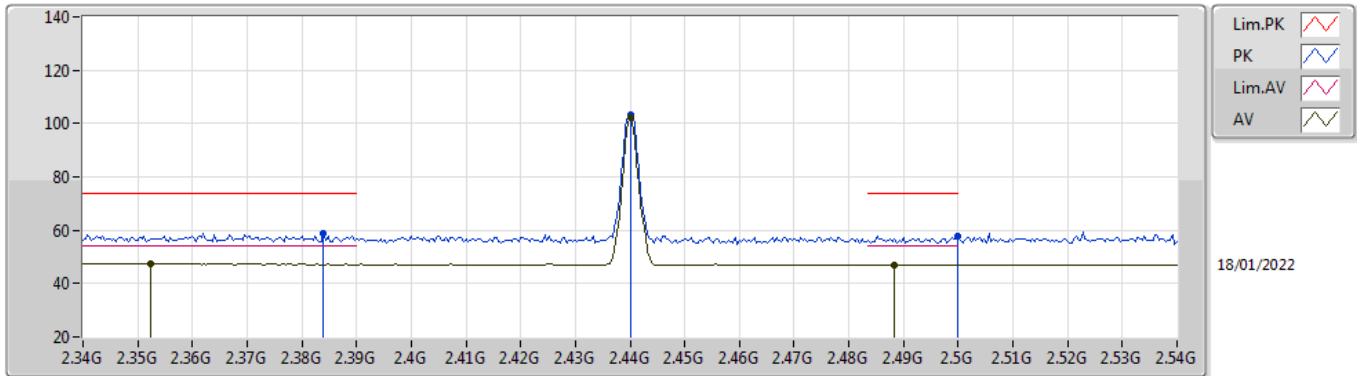
BT-LE(1Mbps)_1TX(Port1)
2402MHz_TX



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	4.80399G	30.59	54.00	-23.41	5.82	3	Horizontal	161	1.00	-	24.77	31.11	8.90	34.19
PK	4.80369G	43.33	74.00	-30.67	5.82	3	Horizontal	161	1.00	-	37.51	31.11	8.90	34.19

BT-LE(1Mbps)_1TX(Port1)

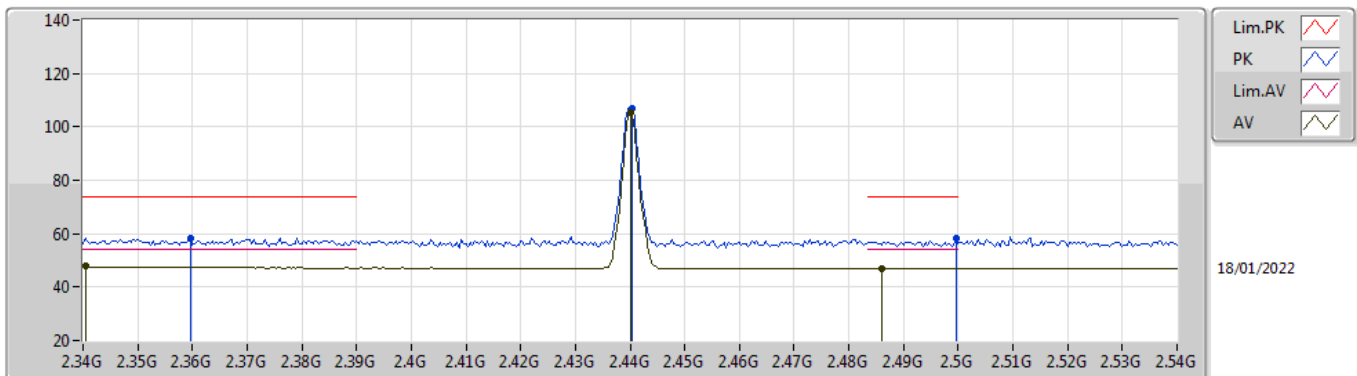
2440MHz_TX



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	2.3524G	47.60	54.00	-6.40	35.04	3	Vertical	295	1.05	-	12.56	27.80	7.24	-
AV	2.44G	102.03	Inf	-Inf	34.75	3	Vertical	295	1.05	-	67.28	27.46	7.29	-
AV	2.4884G	47.05	54.00	-6.95	34.73	3	Vertical	295	1.05	-	12.32	27.40	7.33	-
PK	2.384G	59.01	74.00	-14.99	34.98	3	Vertical	295	1.05	-	24.03	27.73	7.25	-
PK	2.44G	103.52	Inf	-Inf	34.75	3	Vertical	295	1.05	-	68.77	27.46	7.29	-
PK	2.5G	57.77	74.00	-16.23	34.74	3	Vertical	295	1.05	-	23.03	27.40	7.34	-

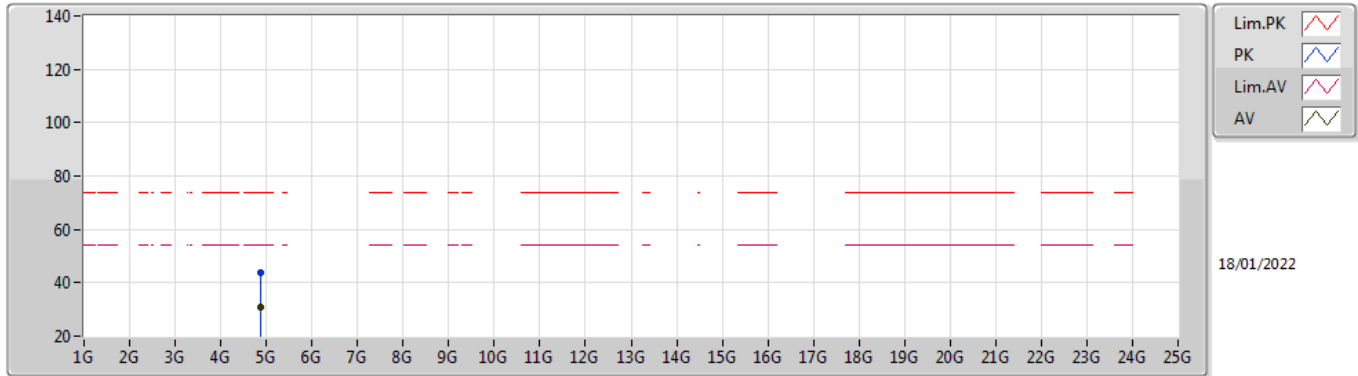
BT-LE(1Mbps)_1TX(Port1)

2440MHz_TX



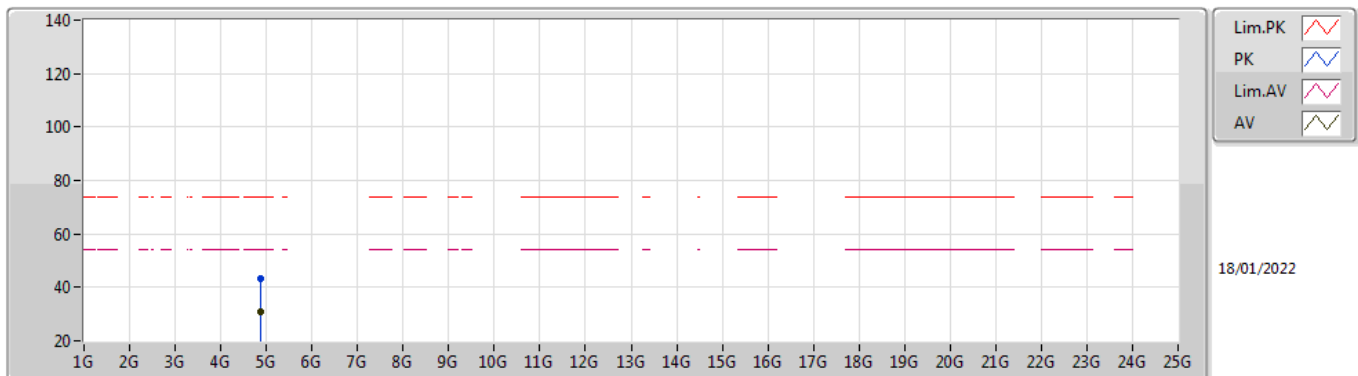
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3404G	47.79	54.00	-6.21	35.05	3	Horizontal	348	1.27	-	12.74	27.82	7.23	-
AV	2.44G	105.55	Inf	-Inf	34.75	3	Horizontal	348	1.27	-	70.80	27.46	7.29	-
AV	2.486G	47.06	54.00	-6.94	34.73	3	Horizontal	348	1.27	-	12.33	27.40	7.33	-
PK	2.3596G	58.43	74.00	-15.57	35.02	3	Horizontal	348	1.27	-	23.41	27.78	7.24	-
PK	2.4404G	107.06	Inf	-Inf	34.75	3	Horizontal	348	1.27	-	72.31	27.46	7.29	-
PK	2.4996G	58.06	74.00	-15.94	34.74	3	Horizontal	348	1.27	-	23.32	27.40	7.34	-

BT-LE(1Mbps)_1TX(Port1)
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	4.8803G	30.81	54.00	-23.19	6.00	3	Vertical	93	1.50	-	24.81	31.20	8.96	34.16
PK	4.88052G	43.84	74.00	-30.16	6.00	3	Vertical	93	1.50	-	37.84	31.20	8.96	34.16

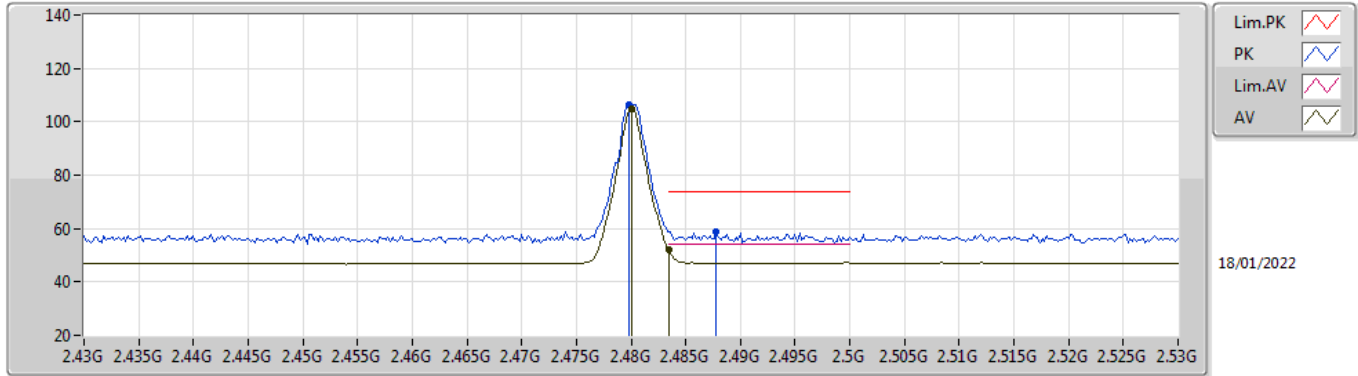
BT-LE(1Mbps)_1TX(Port1)
2440MHz_TX



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	4.87957G	30.69	54.00	-23.31	6.00	3	Horizontal	174	1.00	-	24.69	31.20	8.96	34.16
PK	4.87939G	43.21	74.00	-30.79	6.00	3	Horizontal	174	1.00	-	37.21	31.20	8.96	34.16

BT-LE(1Mbps)_1TX(Port1)

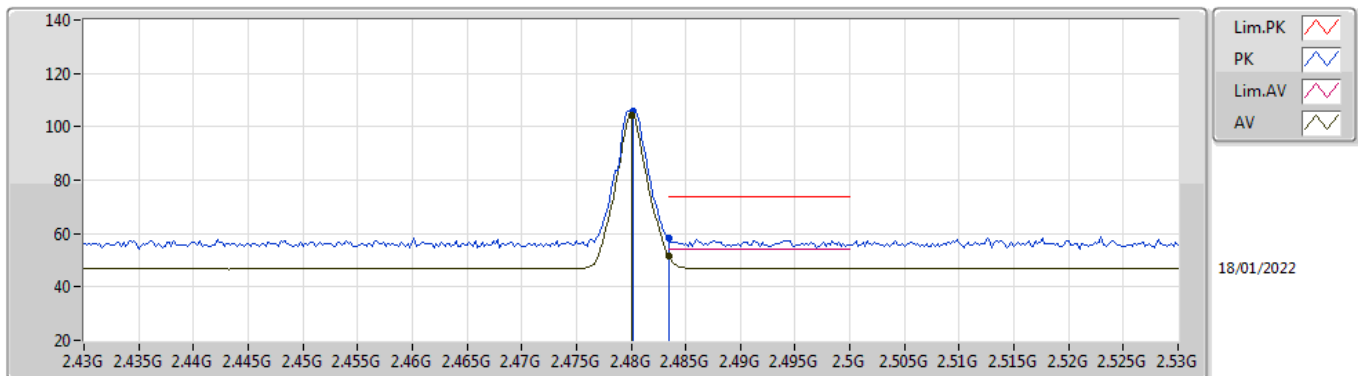
2480MHz_TX



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	2.48G	104.91	Inf	-Inf	34.72	3	Vertical	270	1.00	-	70.19	27.40	7.32	-
AV	2.4835G	52.10	54.00	-1.90	34.73	3	Vertical	270	1.00	-	17.37	27.40	7.33	-
PK	2.4798G	106.42	Inf	-Inf	34.72	3	Vertical	270	1.00	-	71.70	27.40	7.32	-
PK	2.4878G	59.04	74.00	-14.96	34.73	3	Vertical	270	1.00	-	24.31	27.40	7.33	-

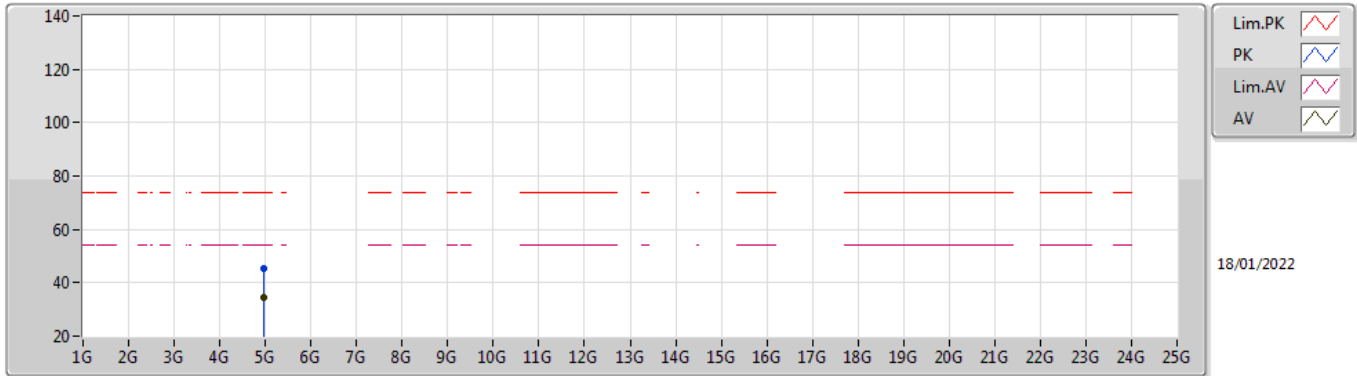
BT-LE(1Mbps)_1TX(Port1)

2480MHz_TX



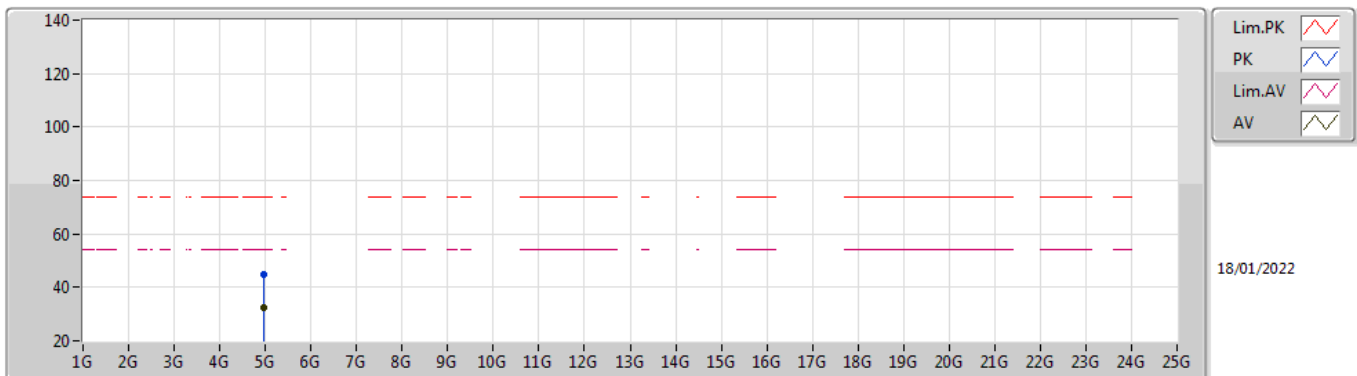
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.48G	104.29	Inf	-Inf	34.72	3	Horizontal	346	2.67	-	69.57	27.40	7.32	-
AV	2.4835G	51.54	54.00	-2.46	34.73	3	Horizontal	346	2.67	-	16.81	27.40	7.33	-
PK	2.4802G	105.78	Inf	-Inf	34.72	3	Horizontal	346	2.67	-	71.06	27.40	7.32	-
PK	2.4835G	58.15	74.00	-15.85	34.73	3	Horizontal	346	2.67	-	23.42	27.40	7.33	-

BT-LE(1Mbps)_1TX(Port1)
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	4.9599G	34.62	54.00	-19.38	6.32	3	Vertical	94	1.15	-	28.30	31.42	9.02	34.12
PK	4.95957G	45.56	74.00	-28.44	6.32	3	Vertical	94	1.15	-	39.24	31.42	9.02	34.12

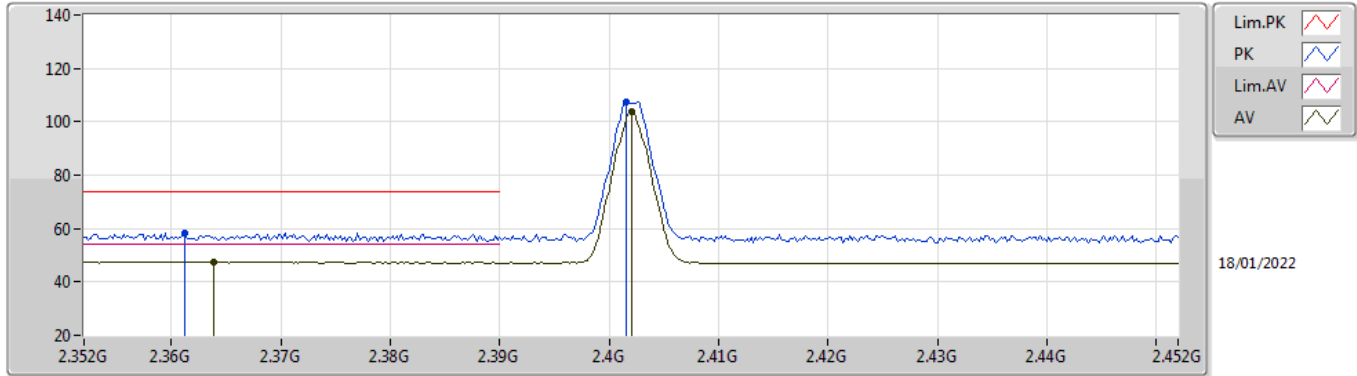
BT-LE(1Mbps)_1TX(Port1)
2480MHz_TX



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	4.95968G	32.43	54.00	-21.57	6.32	3	Horizontal	26	2.91	-	26.11	31.42	9.02	34.12
PK	4.96027G	44.74	74.00	-29.26	6.32	3	Horizontal	26	2.91	-	38.42	31.42	9.02	34.12

BT-LE(2Mbps)_1TX(Port1)

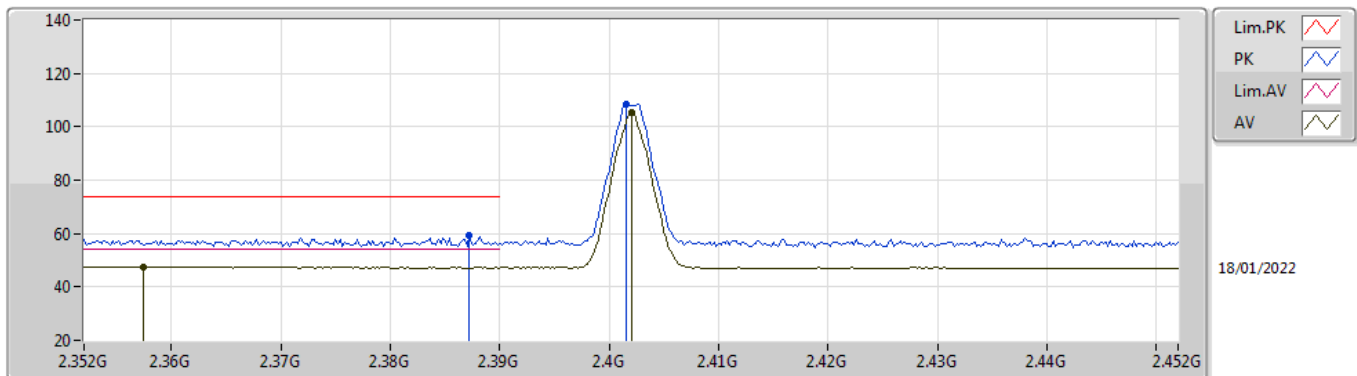
2402MHz_TX



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	2.3638G	47.63	54.00	-6.37	35.01	3	Vertical	276	1.27	-	12.62	27.77	7.24	-
AV	2.402G	103.57	Inf	-Inf	34.95	3	Vertical	276	1.27	-	68.62	27.69	7.26	-
PK	2.3612G	58.47	74.00	-15.53	35.02	3	Vertical	276	1.27	-	23.45	27.78	7.24	-
PK	2.4016G	107.30	Inf	-Inf	34.95	3	Vertical	276	1.27	-	72.35	27.69	7.26	-

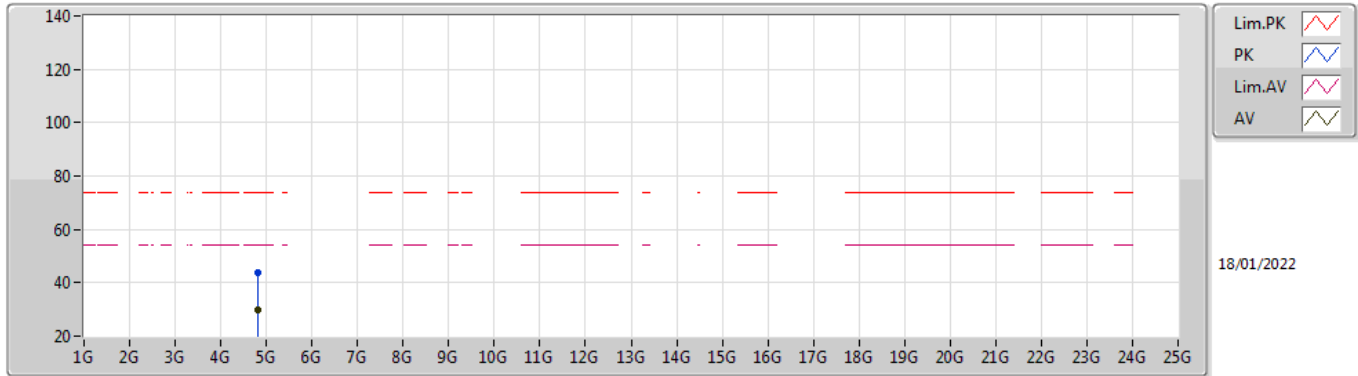
BT-LE(2Mbps)_1TX(Port1)

2402MHz_TX



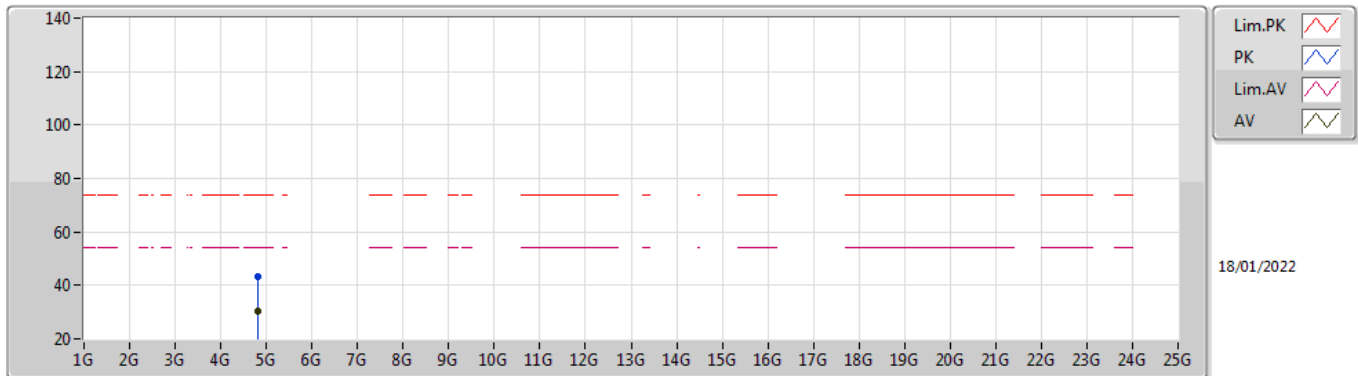
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AV	2.3574G	47.64	54.00	-6.36	35.03	3	Horizontal	350	1.00	-	12.61	27.79	7.24	-
AV	2.402G	105.13	Inf	-Inf	34.95	3	Horizontal	350	1.00	-	70.18	27.69	7.26	-
PK	2.3872G	59.07	74.00	-14.93	34.98	3	Horizontal	350	1.00	-	24.09	27.73	7.25	-
PK	2.4016G	108.53	Inf	-Inf	34.95	3	Horizontal	350	1.00	-	73.58	27.69	7.26	-

BT-LE(2Mbps)_1TX(Port1)
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	4.80072G	30.08	54.00	-23.92	5.80	3	Vertical	124	1.34	-	24.28	31.10	8.90	34.20
PK	4.80754G	43.58	74.00	-30.42	5.84	3	Vertical	124	1.34	-	37.74	31.12	8.91	34.19

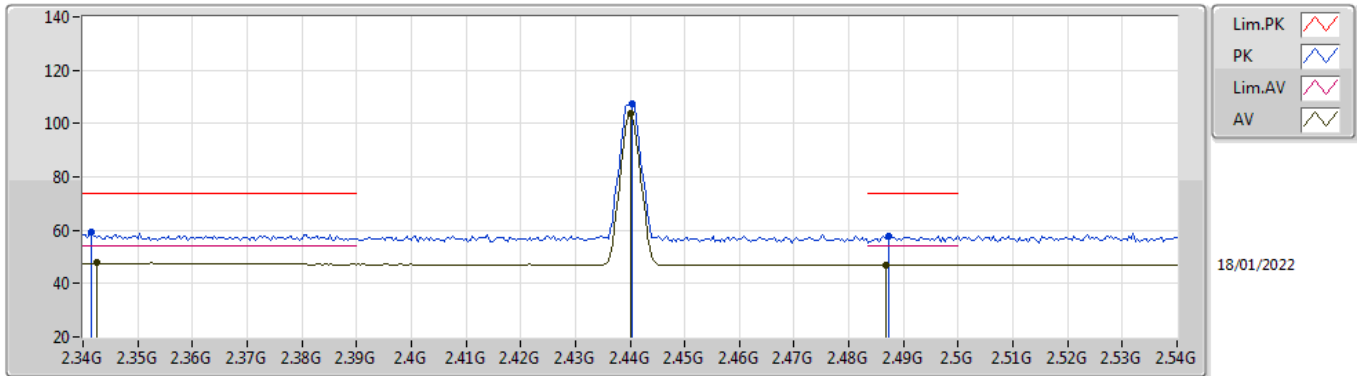
BT-LE(2Mbps)_1TX(Port1)
2402MHz_TX



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	4.803G	30.30	54.00	-23.70	5.82	3	Horizontal	182	1.05	-	24.48	31.11	8.90	34.19
PK	4.80512G	43.14	74.00	-30.86	5.82	3	Horizontal	182	1.05	-	37.32	31.11	8.90	34.19

BT-LE(2Mbps)_1TX(Port1)

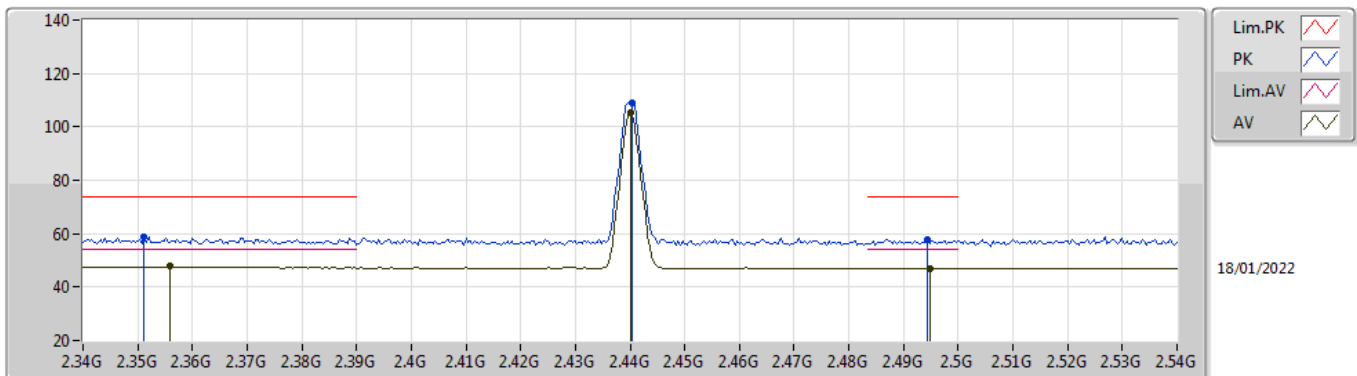
2440MHz_TX



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	2.3424G	47.75	54.00	-6.25	35.05	3	Vertical	290	1.13	-	12.70	27.82	7.23	-
AV	2.44G	103.71	Inf	-Inf	34.75	3	Vertical	290	1.13	-	68.96	27.46	7.29	-
AV	2.4868G	47.15	54.00	-6.85	34.73	3	Vertical	290	1.13	-	12.42	27.40	7.33	-
PK	2.3416G	59.07	74.00	-14.93	35.05	3	Vertical	290	1.13	-	24.02	27.82	7.23	-
PK	2.4404G	107.27	Inf	-Inf	34.75	3	Vertical	290	1.13	-	72.52	27.46	7.29	-
PK	2.4872G	57.96	74.00	-16.04	34.73	3	Vertical	290	1.13	-	23.23	27.40	7.33	-

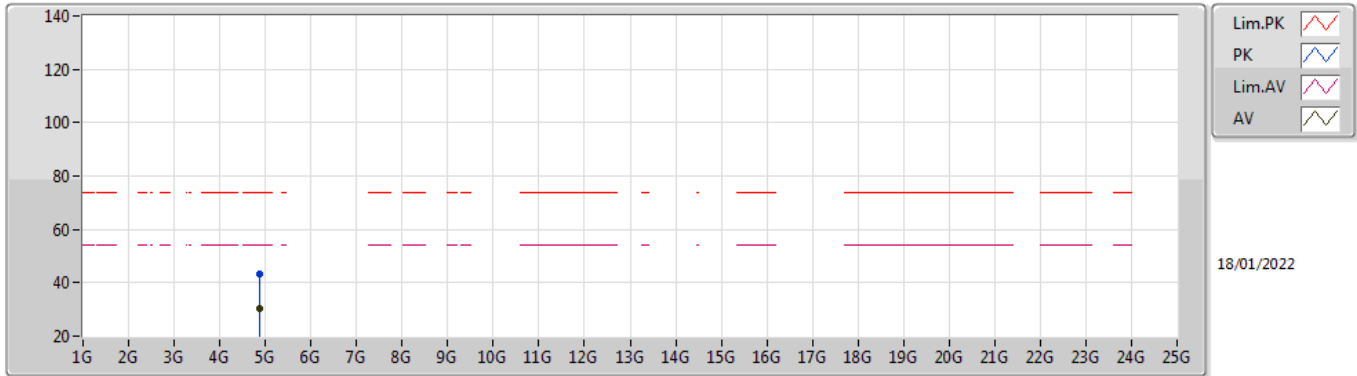
BT-LE(2Mbps)_1TX(Port1)

2440MHz_TX



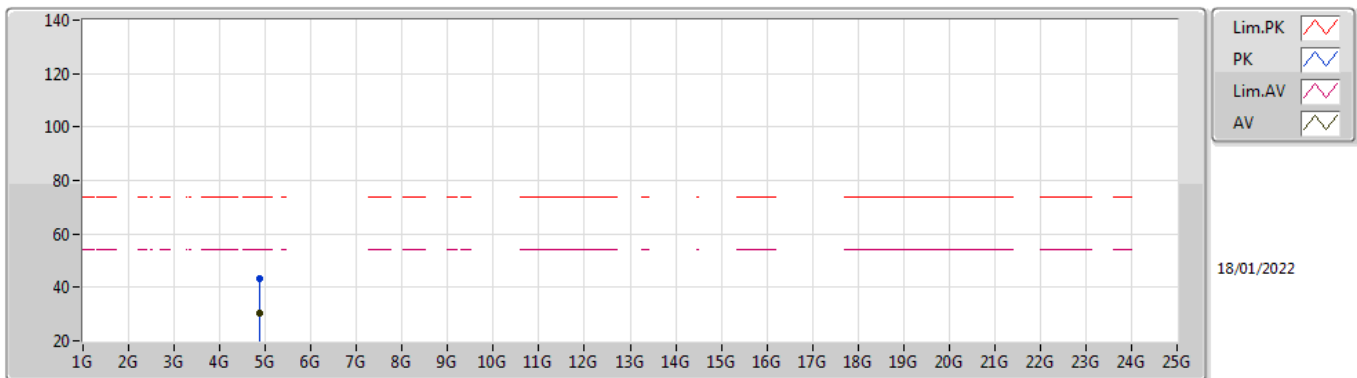
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AV	2.356G	47.81	54.00	-6.19	35.03	3	Horizontal	347	1.27	-	12.78	27.79	7.24	-
AV	2.44G	105.27	Inf	-Inf	34.75	3	Horizontal	347	1.27	-	70.52	27.46	7.29	-
AV	2.4948G	47.08	54.00	-6.92	34.74	3	Horizontal	347	1.27	-	12.34	27.40	7.34	-
PK	2.3512G	58.59	74.00	-15.41	35.04	3	Horizontal	347	1.27	-	23.55	27.80	7.24	-
PK	2.4404G	108.96	Inf	-Inf	34.75	3	Horizontal	347	1.27	-	74.21	27.46	7.29	-
PK	2.4944G	57.73	74.00	-16.27	34.74	3	Horizontal	347	1.27	-	22.99	27.40	7.34	-

BT-LE(2Mbps)_1TX(Port1)
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	4.88097G	30.40	54.00	-23.60	6.00	3	Vertical	92	1.50	-	24.40	31.20	8.96	34.16
PK	4.88122G	43.32	74.00	-30.68	6.00	3	Vertical	92	1.50	-	37.32	31.20	8.96	34.16

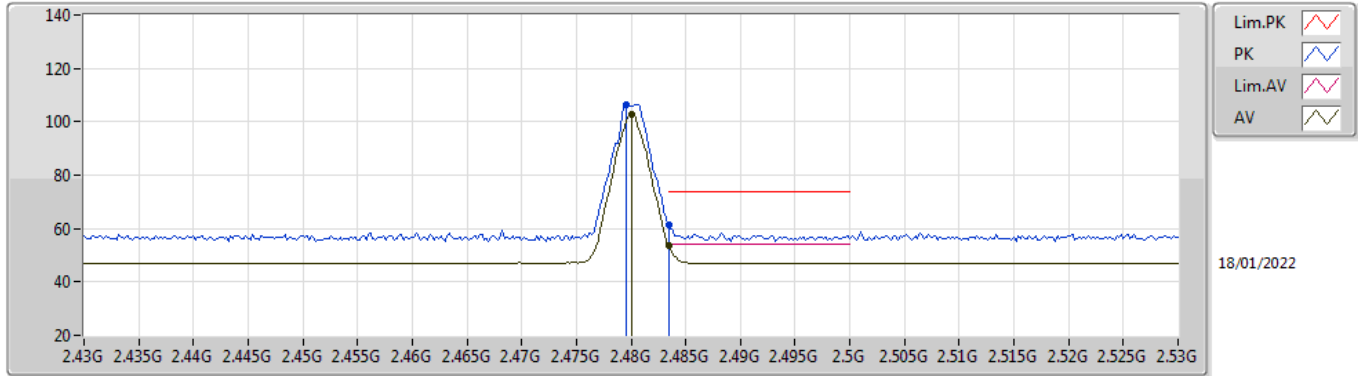
BT-LE(2Mbps)_1TX(Port1)
2440MHz_TX



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	4.87924G	30.51	54.00	-23.49	6.00	3	Horizontal	165	1.00	-	24.51	31.20	8.96	34.16
PK	4.87586G	43.48	74.00	-30.52	6.00	3	Horizontal	165	1.00	-	37.48	31.20	8.96	34.16

BT-LE(2Mbps)_1TX(Port1)

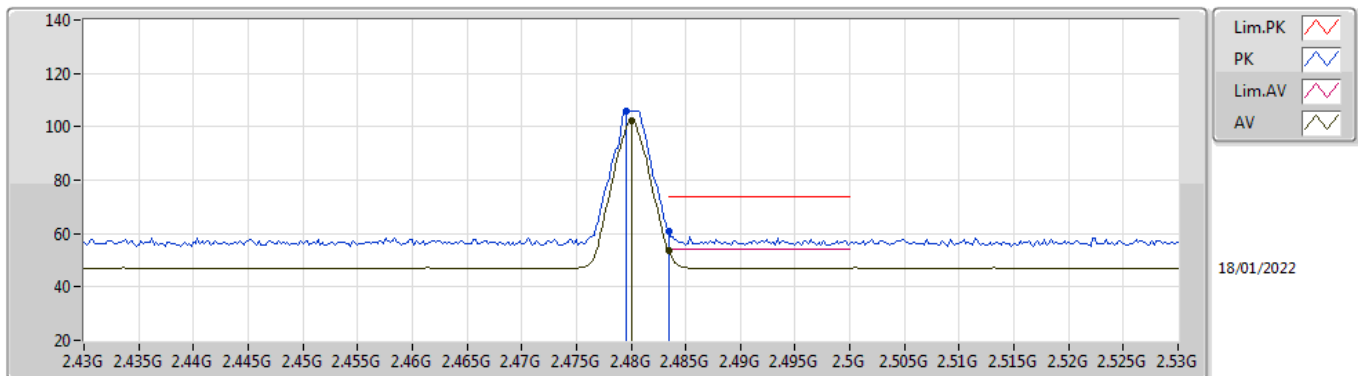
2480MHz_TX



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	2.48G	102.82	Inf	-Inf	34.72	3	Vertical	273	1.05	-	68.10	27.40	7.32	-
AV	2.4835G	53.86	54.00	-0.14	34.73	3	Vertical	273	1.05	-	19.13	27.40	7.33	-
PK	2.4796G	106.35	Inf	-Inf	34.72	3	Vertical	273	1.05	-	71.63	27.40	7.32	-
PK	2.4835G	61.47	74.00	-12.53	34.73	3	Vertical	273	1.05	-	26.74	27.40	7.33	-

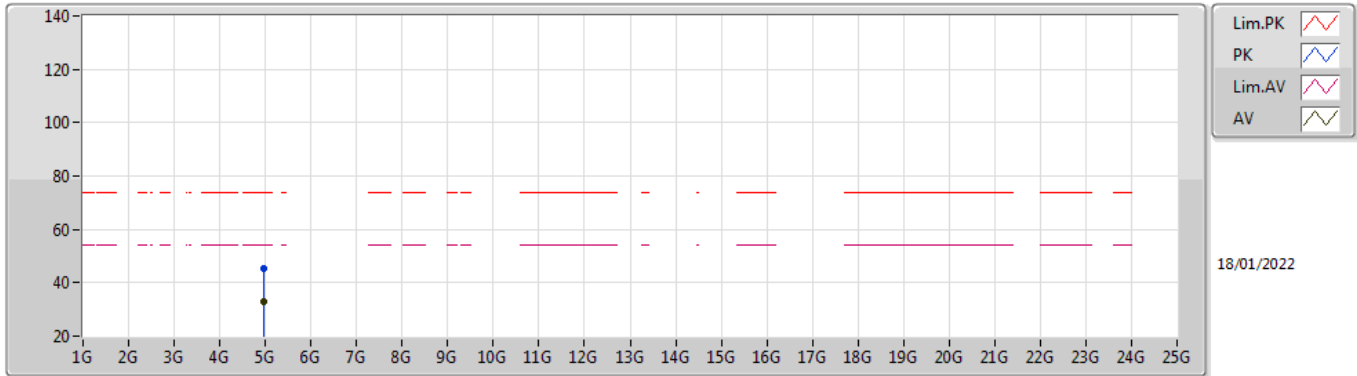
BT-LE(2Mbps)_1TX(Port1)

2480MHz_TX



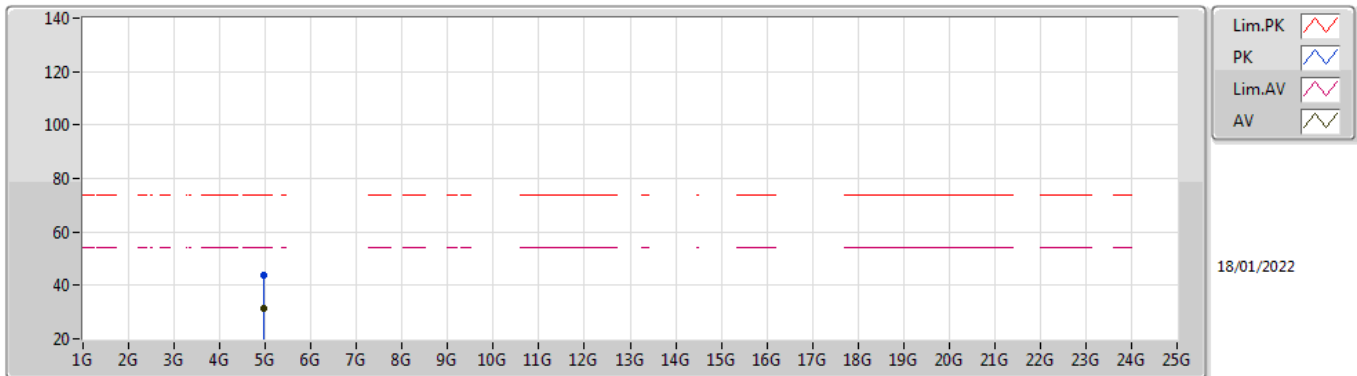
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.48G	102.49	Inf	-Inf	34.72	3	Horizontal	348	2.74	-	67.77	27.40	7.32	-
AV	2.4835G	53.55	54.00	-0.45	34.73	3	Horizontal	348	2.74	-	18.82	27.40	7.33	-
PK	2.4796G	106.10	Inf	-Inf	34.72	3	Horizontal	348	2.74	-	71.38	27.40	7.32	-
PK	2.4835G	60.95	74.00	-13.05	34.73	3	Horizontal	348	2.74	-	26.22	27.40	7.33	-

BT-LE(2Mbps)_1TX(Port1)
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	4.96094G	32.99	54.00	-21.01	6.32	3	Vertical	86	1.10	-	26.67	31.42	9.02	34.12
PK	4.959G	45.40	74.00	-28.60	6.32	3	Vertical	86	1.10	-	39.08	31.42	9.02	34.12

BT-LE(2Mbps)_1TX(Port1)
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	4.96094G	31.44	54.00	-22.56	6.32	3	Horizontal	23	2.77	-	25.12	31.42	9.02	34.12
PK	4.96072G	43.70	74.00	-30.30	6.32	3	Horizontal	23	2.77	-	37.38	31.42	9.02	34.12