



FCC Test Report

FCC ID : SWX-UDMB
Equipment : UniFi Dream Machine Beacon
Brand Name : UBIQUITI
Model Name : UDM-B
Applicant : Ubiquiti Networks, Inc.
685 Third Avenue, 27th Floor New York,
New York 10017 USA
Manufacturer : Ubiquiti Networks, Inc.
685 Third Avenue, 27th Floor New York,
New York 10017 USA
Standard : 47 CFR FCC Part 15.247

The product was received on Mar. 19, 2019, and testing was started from Mar. 20, 2019 and completed on Mar. 28, 2019. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications 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 report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.



Approved by: Allen Lin

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

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

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History of this test report

[illegible]

Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	FCC 15.203
3.1	15.207	AC Power-line Conducted Emissions	PASS	FCC 15.207
3.2	15.247(a)	DTS Bandwidth	PASS	≥500kHz
3.3	15.247(b)	Maximum Conducted Output Power	PASS	Power [dBm]:30
3.4	15.247(e)	Power Spectral Density	PASS	PSD [dBm/3kHz]:8
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	Non-Restricted Bands: >30 dBc
3.6	15.247(d)	Emissions in Restricted Frequency Bands	PASS	Restricted Bands: FCC 15.209

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: Jackson Tsai

Report Producer: Ann Hou

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 Coded	2402-2480	0-39 [40]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	BT-LE (0.125Mbps)	2.0	1TX

Note:

- ♦ Bluetooth LE uses a GFSK (0.125Mbps) modulation for DSSS.
- ♦ BWch is the nominal channel bandwidth.
- ♦ The EUT only support LE Coded (0.125Mbps).

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	-	-	internal antenna	I-PEX
2	-	-	internal antenna	I-PEX
3	-	-	internal antenna	I-PEX
4	-	-	internal antenna	I-PEX
5	-	-	internal antenna	I-PEX

Ant.	2.4G		5G		BT	
	Port	Gain (dBi)	Port	Gain (dBi)	Port	Gain (dBi)
1	1	4.5	4	5	-	-
2	2	4.5	3	5	-	-
3	-	-	2	5	-	-
4	-	-	1	5	-	-
5	-	-	-	-	1	1

Note 1: The EUT has five antennas.

For 2.4GHz function:

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

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

For 5GHz function:

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

Ant. 1 (port 4), Ant. 2 (port 3), Ant. 3 (port 2) and Ant. 4 (port 1) could transmit/receive simultaneously.

For BT function:

For Bluetooth mode (1TX/1RX)

Ant. 5 (port 1) could transmit/receive simultaneously.

1.1.3 EUT Information

Operational Condition			
EUT Power Type	From AC mains		
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-LE0.125	0.841	0.752	3.113m	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
- ♦ KDB 558074 D01 v05r02

1.3 Testing Location Information

Testing Location			
☒	HWA YA	ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)	
		TEL : 886-3-327-3456	FAX : 886-3-327-0973
Test site Designation No. TW1190 with FCC.			
☐	JHUBEI	ADD : No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County, Taiwan (R.O.C.)	
		TEL : 886-3-656-9065	FAX : 886-3-656-9085
Test site Designation No. TW0006 with FCC.			

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Lego	22.8~24.1°C / 64.1~67.6%	22/Mar/2019~28/Mar/2019
RF Conducted	TH01-HY	Barry	20.8~22.9°C / 51.8~61.9%	20/Mar/2019~26/Mar/2019
Radiated	03CH03-HY	Justin	19.2~23.4°C / 51.2~56.7%	21/Mar/2019~28/Mar/2019

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.54 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	1.6 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.9 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.3 dB	Confidence levels of 95%
Temperature	0.7 °C	Confidence levels of 95%
Humidity	4 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Condition

RF Conducted	Abbreviation	Remark
TnomVnom	Tnom	20°C
-	Vnom	120V

2.2 Test Channel Mode

Test Software	BGTool
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2.3 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
Operating Mode	CTX
1	AC mains 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	AC mains mode		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT		V	

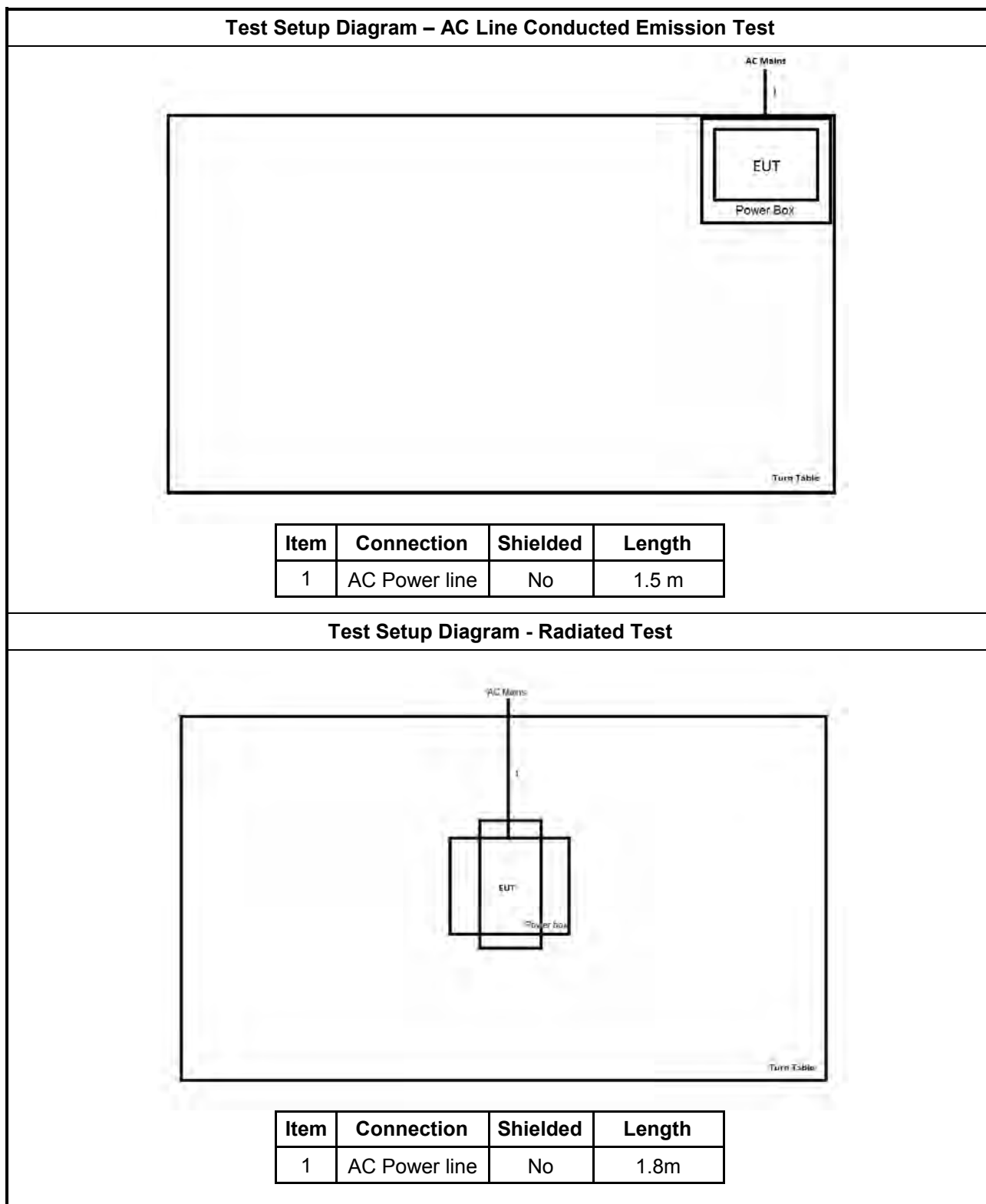
The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	Bluetooth+WLAN 2.4GHz+WLAN 5GHz
Refer to Sporton Test Report No.: FA870420-10 for Co-location RF Exposure Evaluation.	

2.4 Support Equipment

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

Note: Support equipment No.3 was provided by customer.

2.5 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.

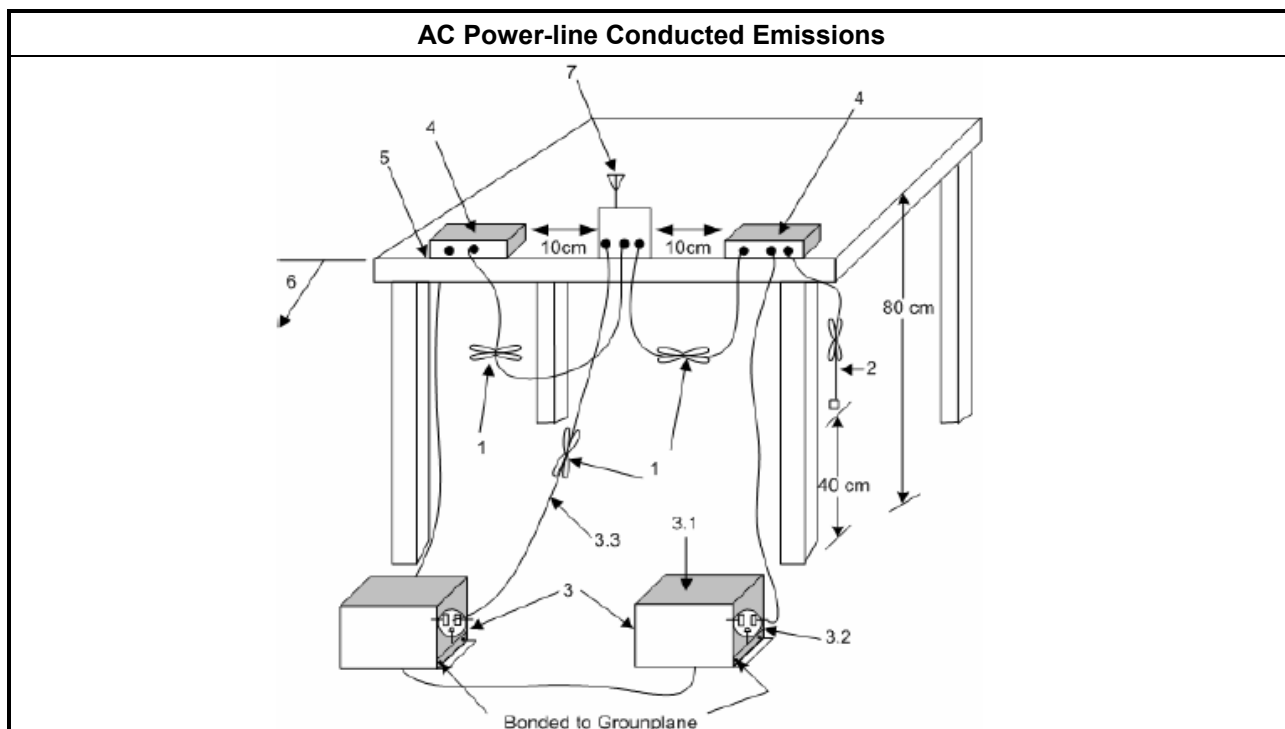
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

6dB Bandwidth Limit	
Systems using digital modulation techniques:	
▪	6 dB bandwidth $\geq$ 500 kHz.

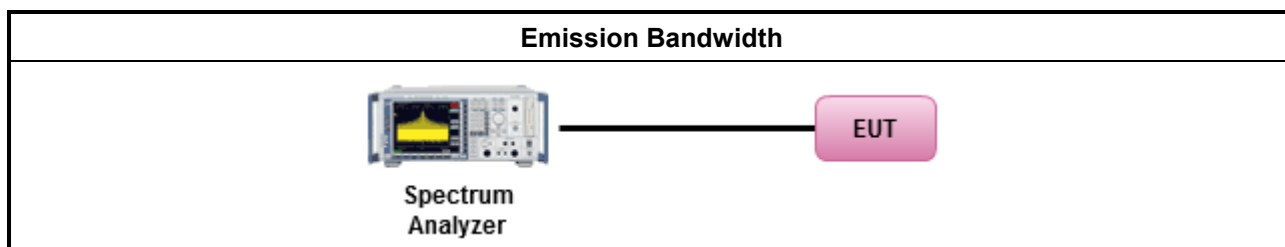
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
▪	For the emission bandwidth shall be measured using one of the options below:
☒	Refer as KDB 558074, clause 8.2 (11.8 of ANSI C63.10) DTS bandwidth measurement.
☐	Refer as RSS-Gen, clause 6.7 for occupied bandwidth testing.
☐	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	
	If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)
	Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm
	Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	Smart antenna system (SAS):
	- Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	- Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	- Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dB dBm
e.i.r.p. Power Limit:	
	2400-2483.5 MHz Band
	Point-to-multipoint systems (P2M): $P_{eirp} \leq 36$ dBm (4 W)
	Point-to-point systems (P2P): $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX}])$ dBm
	Smart antenna system (SAS)
	- Single beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	- Overlap beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	- 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.	

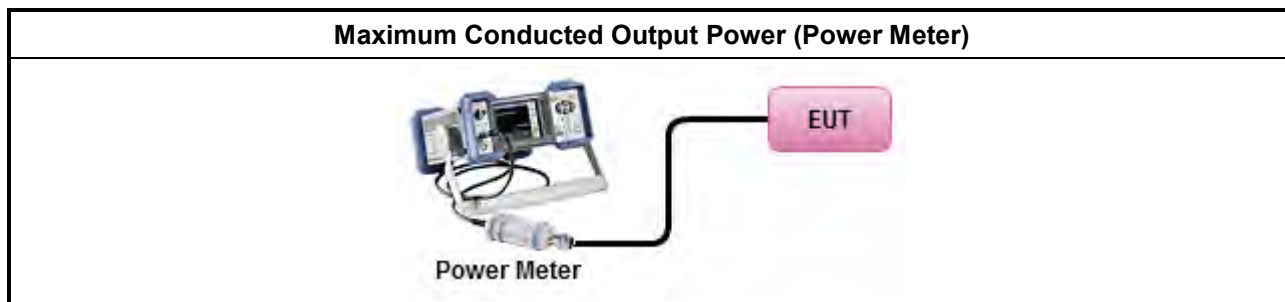
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
Maximum Peak Conducted Output Power	
☐	Refer as KDB 558074, clause 8.3.1.1 (11.9.1.1 of ANSI C63.10) RBW ≥ EBW method.
☐	Refer as KDB 558074, clause 8.3.1.2 (11.9.1.2 of ANSI C63.10) integrated band power method.
☐	Refer as KDB 558074, clause 8.3.1.3 (11.9.1.3 of ANSI C63.10) peak power meter.
Maximum Average Conducted Output Power	
☐	Refer as KDB 558074, clause 8.3.2.2 (11.9.2.2 of ANSI C63.10) using a spectrum analyzer.
☒	Refer as KDB 558074, clause 8.3.2.3 (11.9.2.3 of ANSI C63.10) using a power meter.
For conducted measurement.	
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.	
If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$	

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

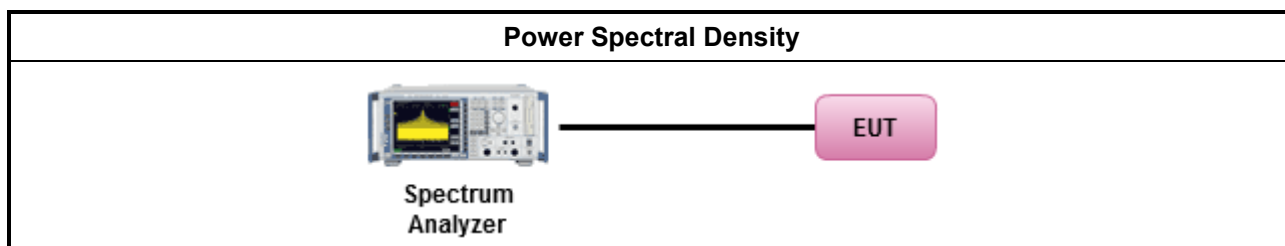
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
▪	Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).
☒	Refer as KDB 558074, clause 8.4 (11.10 of ANSI C63.10) Method PKPSD.
▪	For conducted measurement.
▪	If The EUT supports multiple transmit chains using options given below:
▪	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 PSD level. Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average PSD level.	

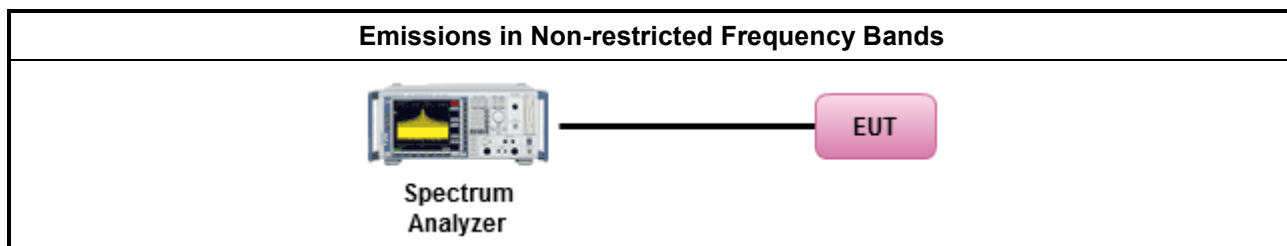
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
Refer as 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.

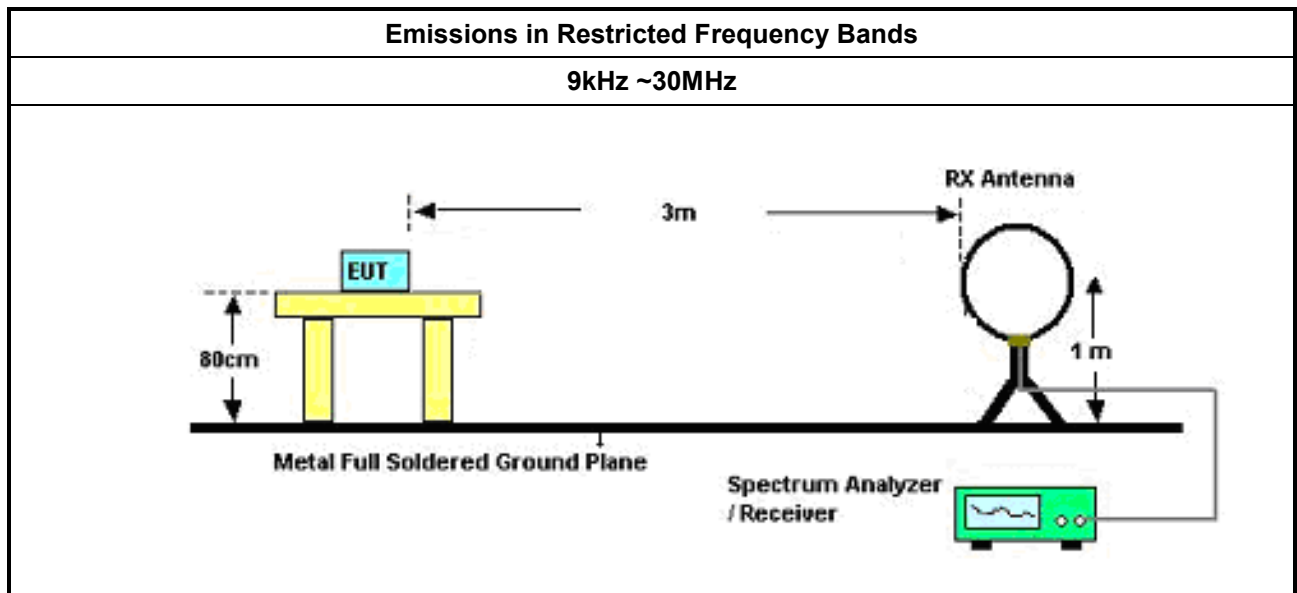
3.6.2 Measuring Instruments

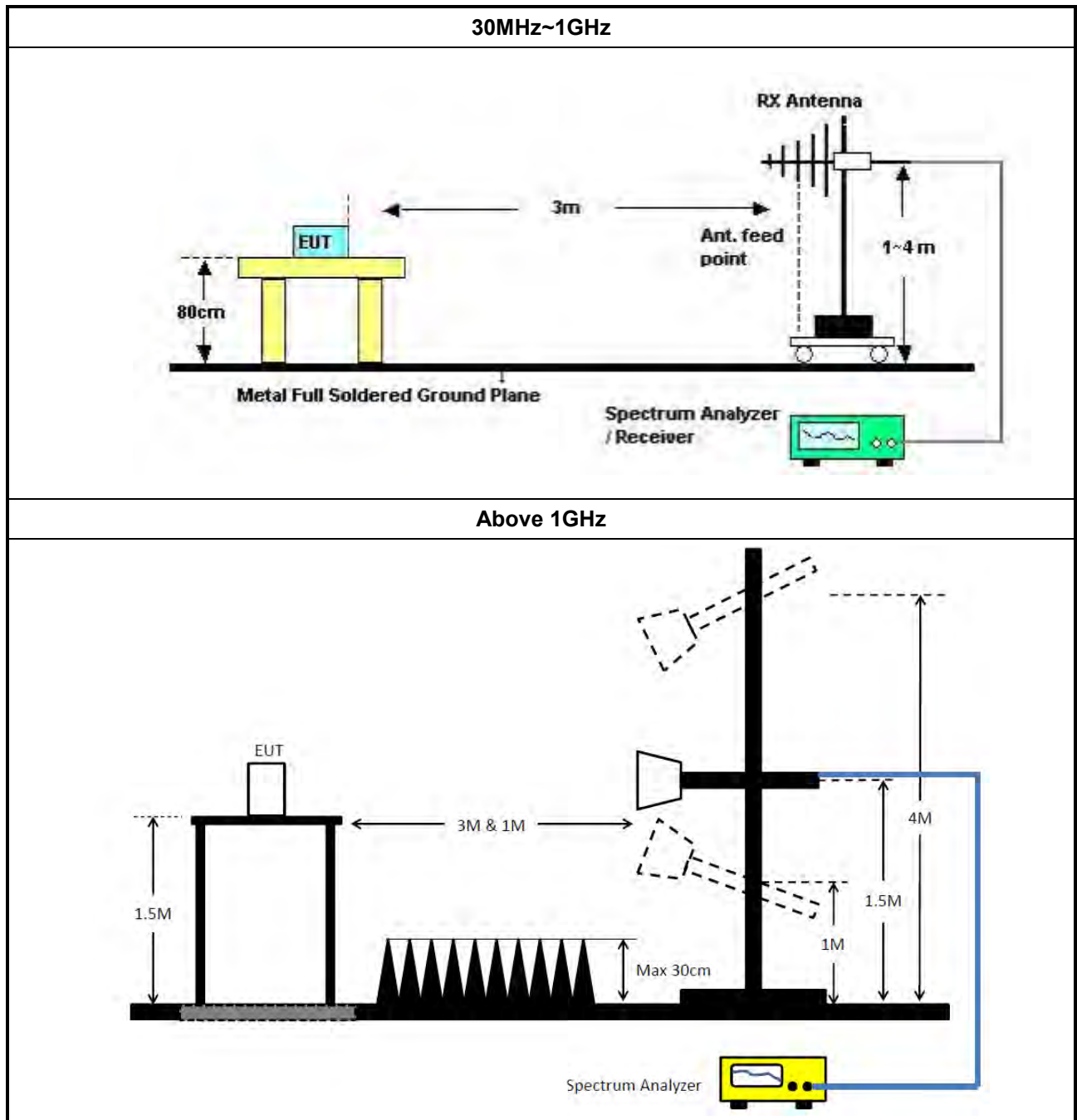
Refer a test equipment and calibration data table in this test report.

3.6.3 Test Procedures

Test Method	
The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].	
Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as KDB 558074, clause 8.6 (11.12 of ANSI C63.10) for restricted frequency bands.
For the transmitter band-edge emissions shall be measured using following options below:	
	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 (i.e., 1 MHz).
Use the following spectrum analyzer settings:	
	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.

3.6.4 Test Setup





3.6.5 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.

3.6.6 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMC Receiver	R&S	ESR	102051	9KHz ~ 3.6GHz	03/May/2018	02/May/2019
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	08/Nov/2018	07/Nov/2019
RF Cable-CON	MTJ	RG142	CB002-CO	9kHz ~ 200MHz	17/Sep/2018	16/Sep/2019
AC POWER	APC	AFC-11005G	F310050055	47Hz ~ 63Hz 5~300V	NCR	NCR
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9 kHz ~ 30 MHz	12/Oct/2018	11/Oct/2019

NCR : Non-Calibration Require

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	10Hz ~ 40GHz	13/Mar/2019	12/Mar/2020
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz ~ 40GHz	12/Nov/2018	10/Nov/2020
Power Sensor	Anritsu	MA2411B	0917017	300MHz ~ 40GHz	19/Feb/2019	18/Feb/2020
Power Meter	Anritsu	ML2495A	0949003	300MHz ~ 40GHz	19/Feb/2019	18/Feb/2020
Cable 0.2m	HUBER	MY10710/4	RF Cable - 01	30MHz ~ 18G	11/Jan/2019	10/Jan/2020
Cable 0.2m	HUBER	MY10711/4	RF Cable - 02	30MHz ~ 18G	11/Jan/2019	10/Jan/2020
Cable 0.5m	HUBER	MY10714/4	RF Cable - 05	30MHz ~ 1G	11/Jan/2019	10/Jan/2020
Cable 0.5m	HUBER	MY10714/4	RF Cable - 05	1G ~ 18G	11/Jan/2019	10/Jan/2020

Instrument for Radiated Test

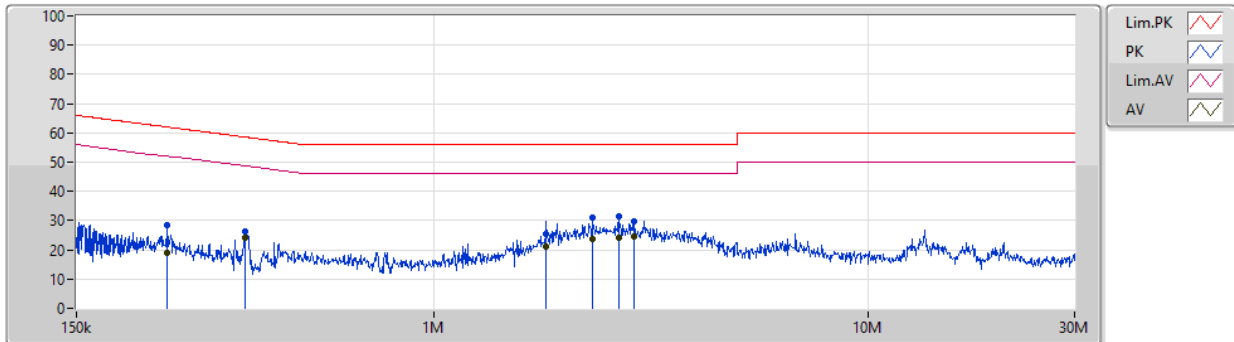
Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz ~ 1GHz 3m	30/Oct/2018	29/Oct/2019
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz ~ 18GHz 3m	30/Oct/2018	29/Oct/2019
EMI Test Receiver	R&S	ESR3	102052	9kHz ~ 3.6GHz	10/Apr/2018	09/Apr/2019
Bilog Antenna with 5dB Pad	ETS	3142B & MTJ6102-05	00022055	26 MHz - 3 GHz	19/Nov/2018	18/Nov/2019
Microwave System Preamplifier	KEYSIGHT	83017A	MY53270196	1GHz ~ 26.5GHz	05/Sep/2018	04/Sep/2019
Signal Analyzer	R&S	FSV40	101500	10Hz ~ 40GHz	18/Jul/2018	17/Jul/2019
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz ~ 1GHz	29/Jan/2018	28/Jan/2019
RF Cable-high	SUHNER	SUCOFLEX 106	MY34918/4	1GHz ~ 40GHz	21/Mar/2019	20/Mar/2020
RF Cable-high	SUHNER	SUCOFLEX104	MY34918/4	1GHz ~ 40GHz	19/Jan/2018	18/Jan/2019
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz ~ 40GHz	06/Feb/2018	05/Feb/2019
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1531	1GHz ~ 18GHz	09/Mar/2019	08/Mar/2020
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz ~ 40GHz	24/Aug/2018	23/Aug/2019

AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Neutral
Operating Function	AC mains mode		

AC Conduction

28/03/2019



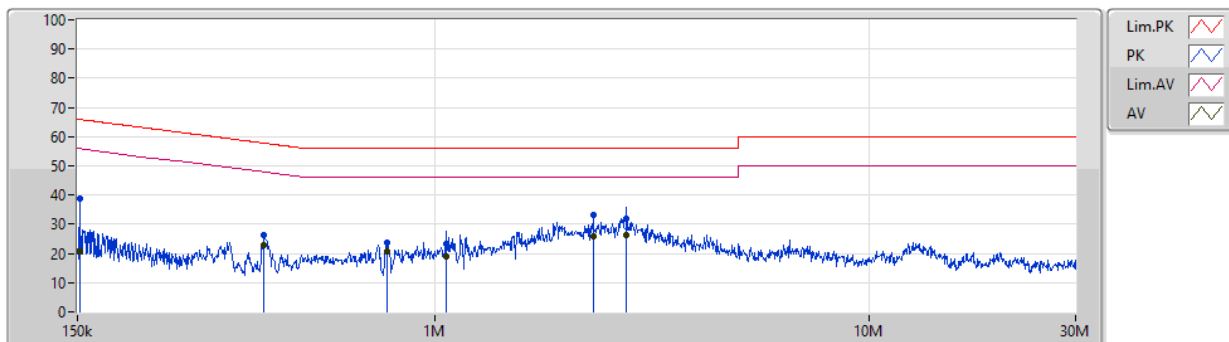
Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	243.148k	28.56	61.98	-33.42	19.47	Neutral	-	9.09	9.59	0.01	9.87			
AV	243.148k	18.96	51.98	-33.02	19.47	Neutral	-	-0.51	9.59	0.01	9.87			
QP	368.279k	26.13	58.54	-32.41	19.48	Neutral	-	6.65	9.59	0.01	9.88			
AV	368.279k	24.10	48.54	-24.44	19.48	Neutral	-	4.62	9.59	0.01	9.88			
QP	1.818M	25.56	56.00	-30.44	19.53	Neutral	-	6.03	9.61	0.03	9.89			
AV	1.818M	21.00	46.00	-25.00	19.53	Neutral	-	1.47	9.61	0.03	9.89			
QP	2.32M	31.06	56.00	-24.94	19.54	Neutral	-	11.52	9.61	0.04	9.89			
AV	2.32M	23.91	46.00	-22.09	19.54	Neutral	-	4.37	9.61	0.04	9.89			
QP	2.678M	31.48	56.00	-24.52	19.54	Neutral	-	11.94	9.61	0.04	9.89			
AV	2.678M	24.17	46.00	-21.83	19.54	Neutral	-	4.63	9.61	0.04	9.89			
QP	2.889M	29.66	56.00	-26.34	19.54	Neutral	-	10.12	9.61	0.04	9.89			
AV	2.889M	24.67	46.00	-21.33	19.54	Neutral	"Worst"	5.13	9.61	0.04	9.89			

AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Line
Operating Function	AC mains mode		

AC Conduction

28/03/2019



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	152.414k	38.91	65.87	-26.96	19.48	Line	-	19.43	9.60	0.01	9.87			
AV	152.414k	20.89	55.87	-34.98	19.48	Line	-	1.41	9.60	0.01	9.87			
QP	403.694k	26.12	57.78	-31.66	19.48	Line	-	6.64	9.59	0.01	9.88			
AV	403.694k	23.04	47.78	-24.74	19.48	Line	-	3.56	9.59	0.01	9.88			
QP	776.928k	23.62	56.00	-32.38	19.50	Line	-	4.12	9.60	0.02	9.88			
AV	776.928k	20.79	46.00	-25.21	19.50	Line	-	1.29	9.60	0.02	9.88			
QP	1.065M	23.31	56.00	-32.69	19.50	Line	-	3.81	9.60	0.02	9.88			
AV	1.065M	18.84	46.00	-27.16	19.50	Line	-	-0.66	9.60	0.02	9.88			
QP	2.32M	33.23	56.00	-22.77	19.55	Line	-	13.68	9.62	0.04	9.89			
AV	2.32M	25.82	46.00	-20.18	19.55	Line	-	6.27	9.62	0.04	9.89			
QP	2.765M	32.01	56.00	-23.99	19.55	Line	-	12.46	9.62	0.04	9.89			
AV	2.765M	26.24	46.00	-19.76	19.55	Line	"Worst"	6.69	9.62	0.04	9.89			

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
BT-LE0.125_Nss1_1TX	617.5k	1.053M	1M05F1D	615k	1.053M

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;

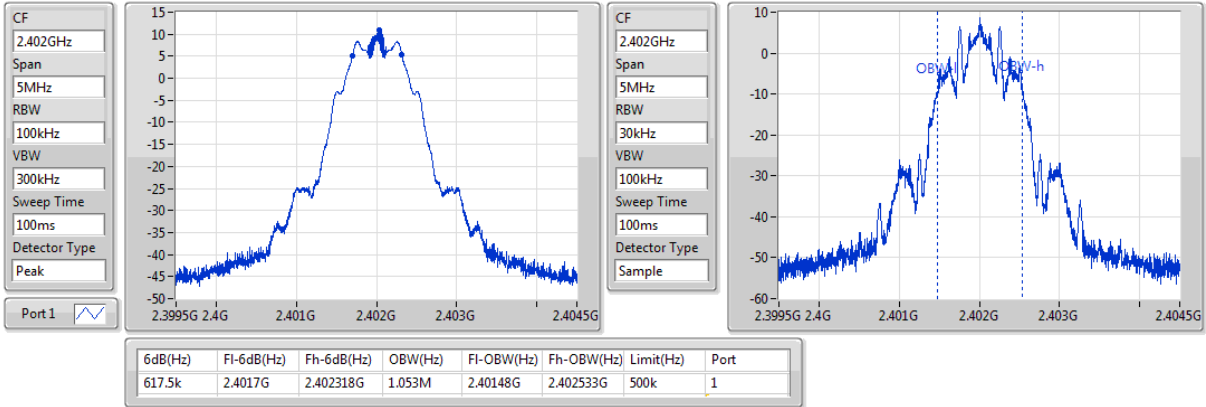
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-LE0.125_Nss1_1TX	-	-	-	-
2402MHz	Pass	500k	617.5k	1.053M
2440MHz	Pass	500k	615k	1.053M
2480MHz	Pass	500k	615k	1.053M

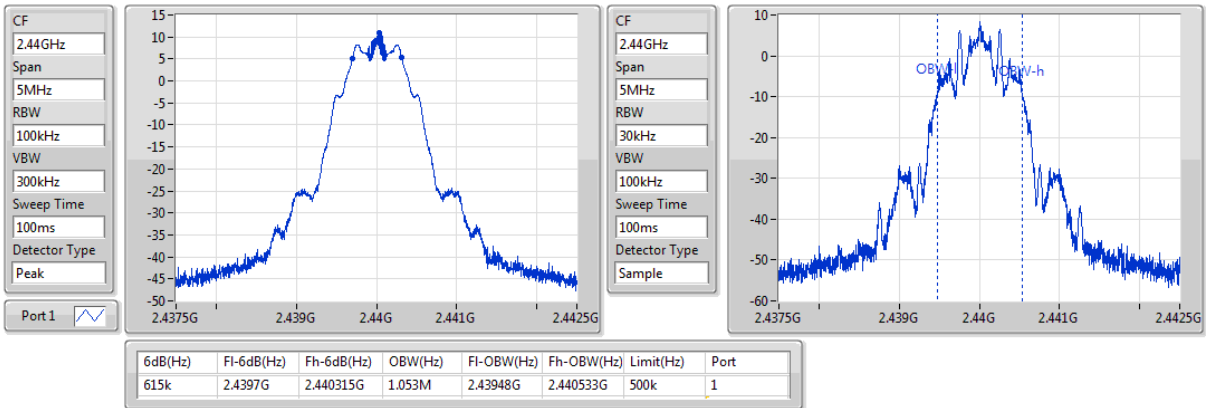
Port X-N dB = Port X 6dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

BT-LE0.125_Nss1_1TX
EBW
2402MHz

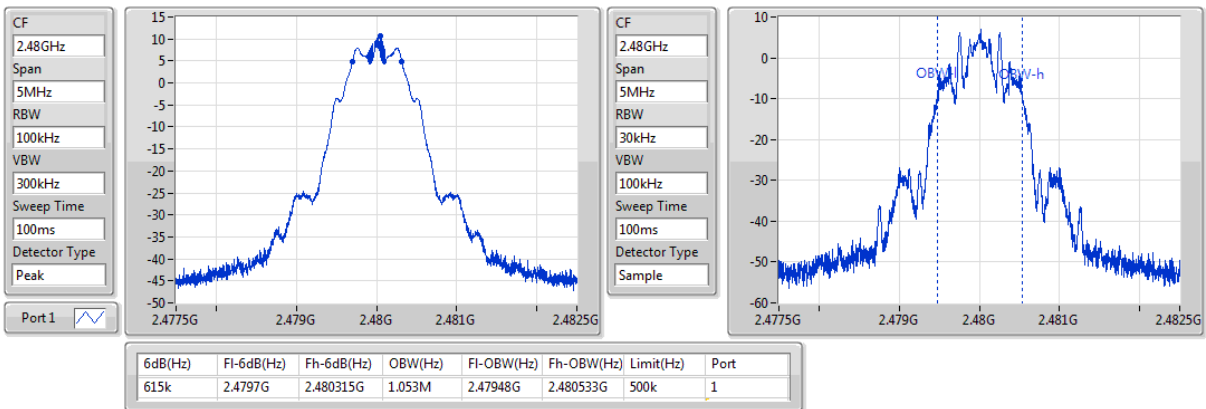
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BT-LE0.125_Nss1_1TX
EBW
2440MHz

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BT-LE0.125_Nss1_1TX
EBW
2480MHz

25/03/2019



**Summary**

Mode	Power	Power
	(dBm)	(W)
2.4-2.4835GHz	-	-
BT-LE0.125_Nss1_1TX	11.94	0.01563

Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-LE0.125_Nss1_1TX	-	-	-	-
2402MHz	Pass	1.00	11.94	30.00
2440MHz	Pass	1.00	11.83	30.00
2480MHz	Pass	1.00	10.95	30.00

**Summary**

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
BT-LE0.125_Nss1_1TX	5.98

RBW=3kHz.

Result

Mode	Result	Gain (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
BT-LE0.125_Nss1_1TX	-	-	-	-
2402MHz	Pass	1.00	5.98	8.00
2440MHz	Pass	1.00	5.86	8.00
2480MHz	Pass	1.00	5.65	8.00

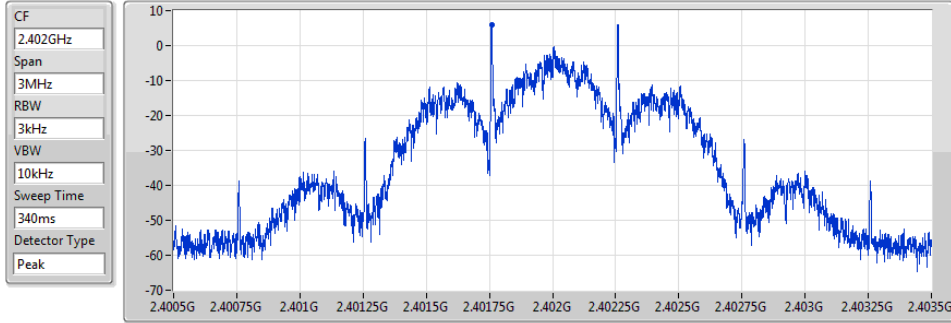
RBW=3kHz.

BT-LE0.125_Nss1_1TX

PSD

2402MHz

25/03/2019



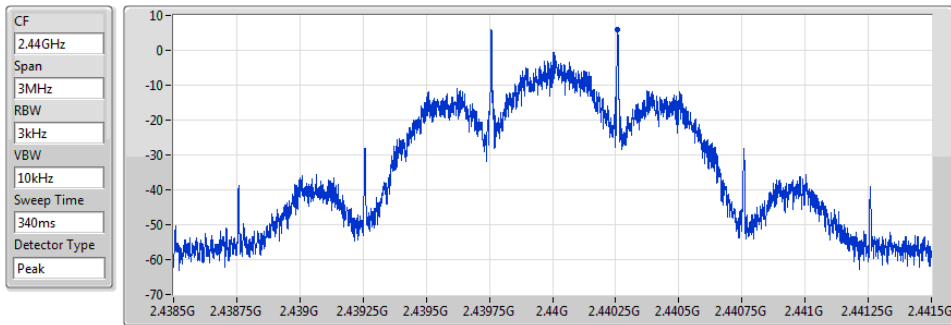
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.98	5.98	5.98

BT-LE0.125_Nss1_1TX

PSD

2440MHz

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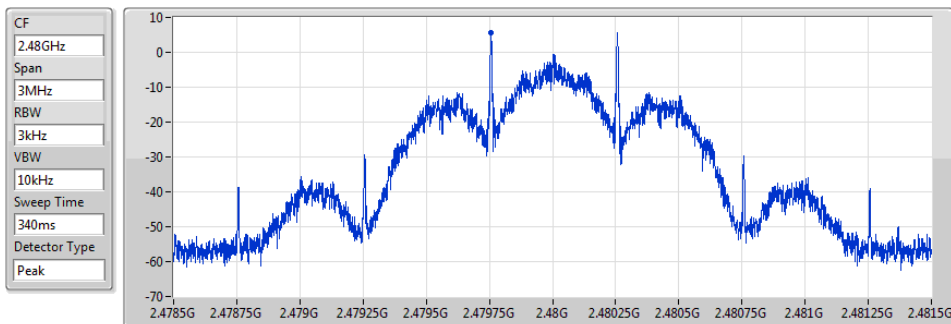
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.86	5.86	5.86

BT-LE0.125_Nss1_1TX

PSD

2480MHz

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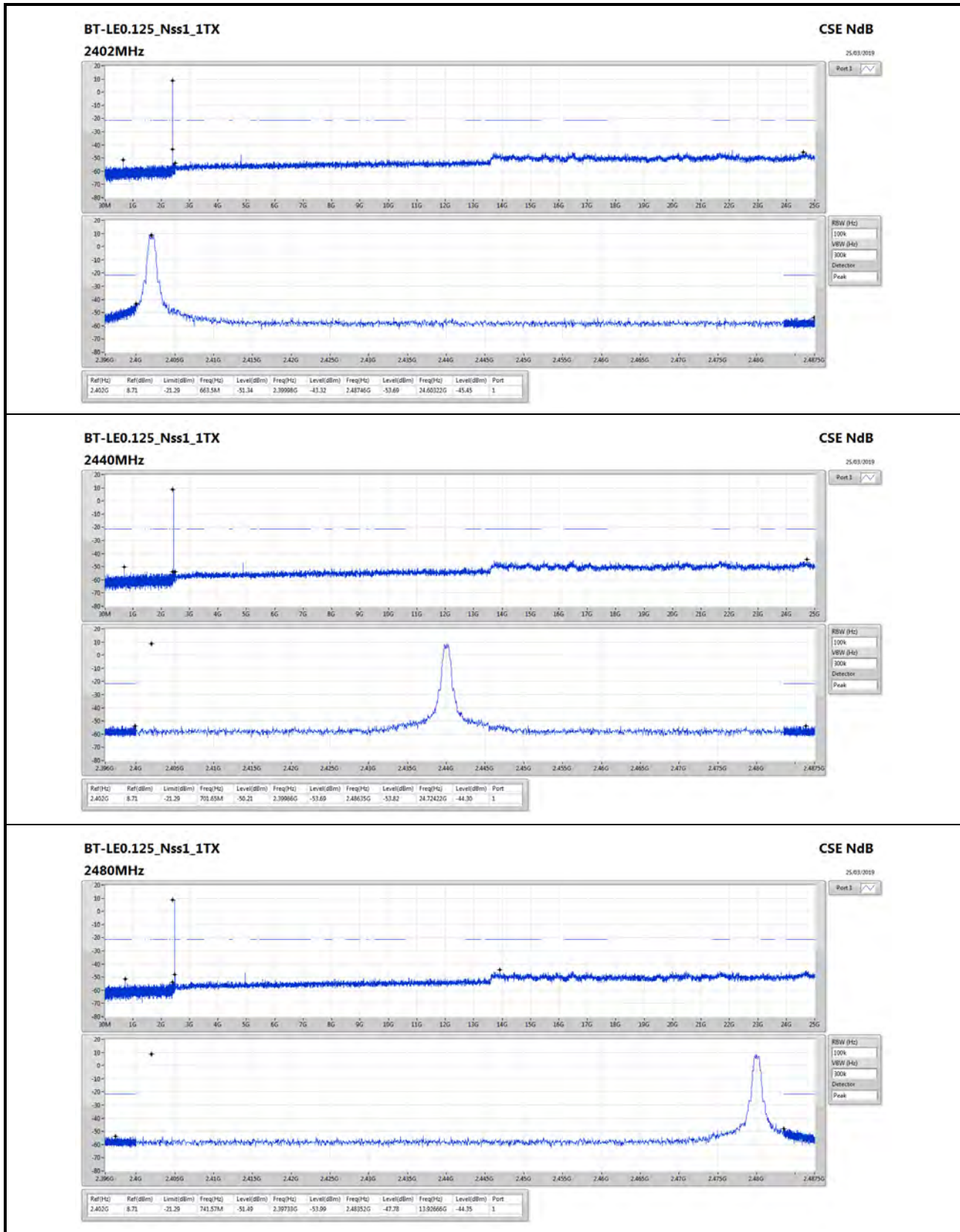
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.65	5.65	5.65

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)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-LE0.125_Nss1_1TX	Pass	2.402G	8.71	-21.29	663.5M	-51.34	2.39998G	-43.32	2.48746G	-53.69	24.60322G	-45.45	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)	Port
BT-LE0.125_Nss1_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.402G	8.71	-21.29	663.5M	-51.34	2.39998G	-43.32	2.48746G	-53.69	24.60322G	-45.45	1
2440MHz	Pass	2.402G	8.71	-21.29	701.65M	-50.21	2.39986G	-53.69	2.48635G	-53.82	24.72422G	-44.30	1
2480MHz	Pass	2.402G	8.71	-21.29	741.57M	-51.49	2.39733G	-53.99	2.48352G	-47.78	13.92666G	-44.35	1



**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
BT-LE0.125_Nss1_1TX	Pass	PK	276.38M	41.71	46.00	-4.29	-16.79	3	Horizontal	0	1.00	-

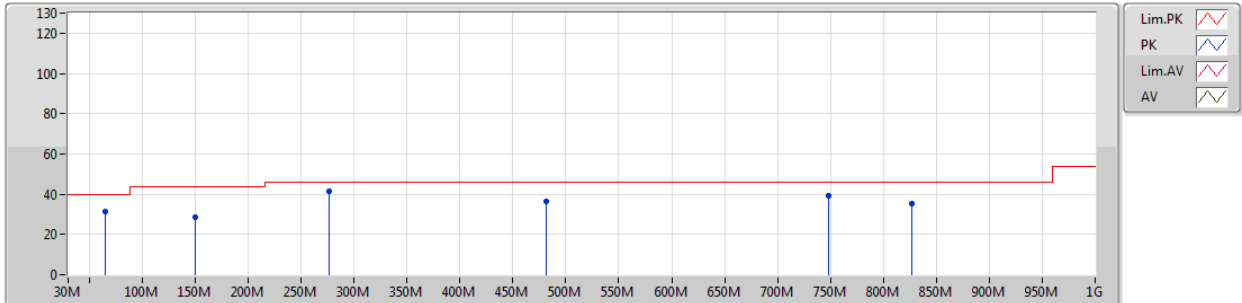
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-LE0.125_Nss1_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2440MHz	Pass	PK	64.92M	31.29	40.00	-8.71	-25.36	3	Vertical	360	1.00	-
2440MHz	Pass	PK	150.28M	28.53	43.50	-14.97	-19.30	3	Vertical	360	1.00	-
2440MHz	Pass	PK	276.38M	41.49	46.00	-4.51	-16.79	3	Vertical	360	1.00	-
2440MHz	Pass	PK	482.02M	36.45	46.00	-9.55	-12.08	3	Vertical	360	1.00	-
2440MHz	Pass	PK	747.8M	38.97	46.00	-7.03	-7.95	3	Vertical	360	1.00	-
2440MHz	Pass	PK	827.34M	35.39	46.00	-10.61	-7.28	3	Vertical	360	1.00	-
2440MHz	Pass	PK	150.28M	32.65	43.50	-10.85	-19.30	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	276.38M	41.71	46.00	-4.29	-16.79	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	336.52M	32.91	46.00	-13.09	-15.79	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	483.96M	30.75	46.00	-15.25	-12.05	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	747.8M	36.15	46.00	-9.85	-7.95	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	897.18M	32.04	46.00	-13.96	-6.60	3	Horizontal	0	1.00	-

BT-LE0.125_Nss1_1TX

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2440MHz_AC Mains

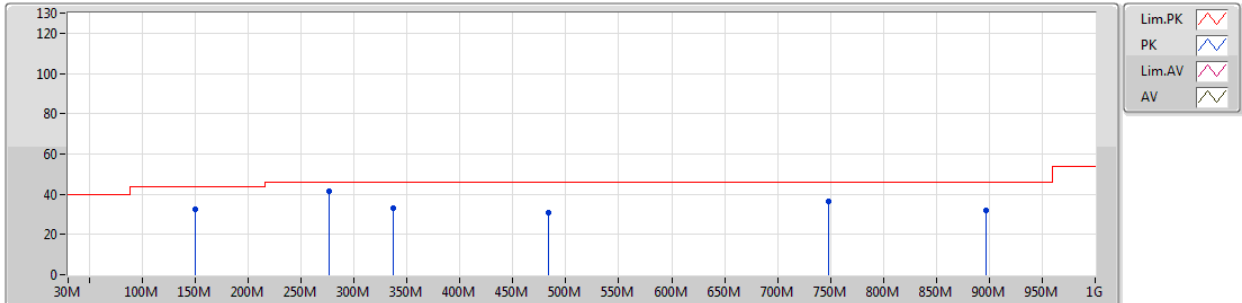


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	64.92M	31.29	40.00	-8.71	-25.36	3	Vertical	360	1.00	-
PK	150.28M	28.53	43.50	-14.97	-19.30	3	Vertical	360	1.00	-
PK	276.38M	41.49	46.00	-4.51	-16.79	3	Vertical	360	1.00	-
PK	482.02M	36.45	46.00	-9.55	-12.08	3	Vertical	360	1.00	-
PK	747.8M	38.97	46.00	-7.03	-7.95	3	Vertical	360	1.00	-
PK	827.34M	35.39	46.00	-10.61	-7.28	3	Vertical	360	1.00	-

BT-LE0.125_Nss1_1TX

26/03/2019

2440MHz_AC Mains



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	150.28M	32.65	43.50	-10.85	-19.30	3	Horizontal	0	1.00	-
PK	276.38M	41.71	46.00	-4.29	-16.79	3	Horizontal	0	1.00	-
PK	336.52M	32.91	46.00	-13.09	-15.79	3	Horizontal	0	1.00	-
PK	483.96M	30.75	46.00	-15.25	-12.05	3	Horizontal	0	1.00	-
PK	747.8M	36.15	46.00	-9.85	-7.95	3	Horizontal	0	1.00	-
PK	897.18M	32.04	46.00	-13.96	-6.60	3	Horizontal	0	1.00	-



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
BT-LE0.125_Nss1_1TX	Pass	AV	2.4835G	49.03	54.00	-4.97	31.36	3	Vertical	359	1.37	-

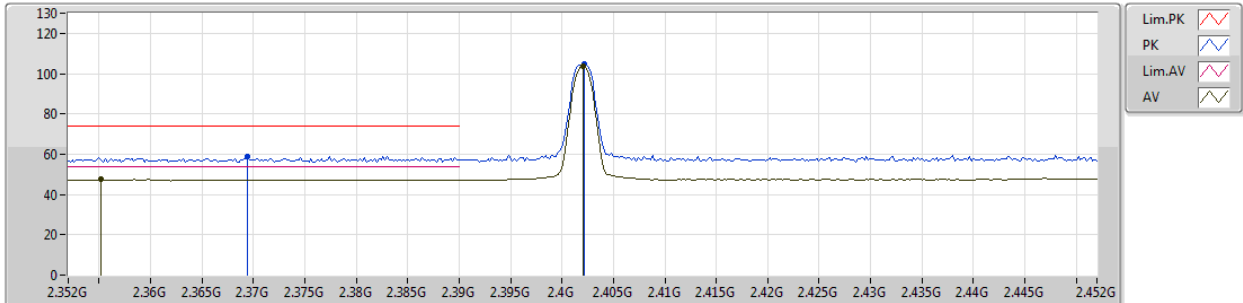
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-LE0.125_Nss1_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3552G	47.52	54.00	-6.48	31.62	3	Vertical	331	1.83	-
2402MHz	Pass	AV	2.402G	103.85	Inf	-Inf	31.47	3	Vertical	331	1.83	-
2402MHz	Pass	PK	2.3694G	58.91	74.00	-15.09	31.57	3	Vertical	331	1.83	-
2402MHz	Pass	PK	2.4022G	104.53	Inf	-Inf	31.47	3	Vertical	331	1.83	-
2402MHz	Pass	AV	2.3596G	47.46	54.00	-6.54	31.60	3	Horizontal	57	1.11	-
2402MHz	Pass	AV	2.402G	105.04	Inf	-Inf	31.47	3	Horizontal	57	1.11	-
2402MHz	Pass	PK	2.3642G	58.57	74.00	-15.43	31.58	3	Horizontal	57	1.11	-
2402MHz	Pass	PK	2.4018G	105.68	Inf	-Inf	31.47	3	Horizontal	57	1.11	-
2402MHz	Pass	AV	4.80378G	40.39	54.00	-13.61	7.09	3	Vertical	221	1.15	-
2402MHz	Pass	PK	4.80469G	49.67	74.00	-24.33	7.09	3	Vertical	221	1.15	-
2402MHz	Pass	AV	4.80379G	40.11	54.00	-13.89	7.09	3	Horizontal	357	1.50	-
2402MHz	Pass	PK	4.80447G	49.16	74.00	-24.84	7.09	3	Horizontal	357	1.50	-
2440MHz	Pass	AV	2.3564G	47.49	54.00	-6.51	31.61	3	Vertical	68	1.78	-
2440MHz	Pass	AV	2.44G	102.36	Inf	-Inf	31.42	3	Vertical	140	1.64	-
2440MHz	Pass	AV	2.4856G	47.74	54.00	-6.26	31.36	3	Vertical	284	1.75	-
2440MHz	Pass	PK	2.384G	58.93	74.00	-15.07	31.52	3	Vertical	203	1.50	-
2440MHz	Pass	PK	2.4404G	103.03	Inf	-Inf	31.42	3	Vertical	58	1.97	-
2440MHz	Pass	PK	2.4888G	59.75	74.00	-14.25	31.35	3	Vertical	291	1.08	-
2440MHz	Pass	AV	2.3448G	47.63	54.00	-6.37	31.65	3	Horizontal	337	1.41	-
2440MHz	Pass	AV	2.44G	104.23	Inf	-Inf	31.42	3	Horizontal	77	2.10	-
2440MHz	Pass	AV	2.4856G	47.74	54.00	-6.26	31.36	3	Horizontal	35	1.99	-
2440MHz	Pass	PK	2.3824G	58.73	74.00	-15.27	31.53	3	Horizontal	241	2.16	-
2440MHz	Pass	PK	2.4396G	104.93	Inf	-Inf	31.42	3	Horizontal	289	1.37	-
2440MHz	Pass	PK	2.4848G	58.47	74.00	-15.53	31.36	3	Horizontal	258	1.96	-
2440MHz	Pass	AV	4.87961G	38.53	54.00	-15.47	7.22	3	Vertical	215	1.10	-
2440MHz	Pass	PK	4.8795G	49.09	74.00	-24.91	7.22	3	Vertical	215	1.10	-
2440MHz	Pass	AV	4.8797G	37.97	54.00	-16.03	7.22	3	Horizontal	13	1.20	-
2440MHz	Pass	PK	4.87998G	48.17	74.00	-25.83	7.22	3	Horizontal	13	1.20	-
2480MHz	Pass	AV	2.48G	103.89	Inf	-Inf	31.37	3	Vertical	191	2.30	-
2480MHz	Pass	AV	2.4835G	49.03	54.00	-4.97	31.36	3	Vertical	359	1.37	-
2480MHz	Pass	PK	2.4802G	104.52	Inf	-Inf	31.37	3	Vertical	265	1.72	-
2480MHz	Pass	PK	2.4944G	59.69	74.00	-14.31	31.35	3	Vertical	93	1.44	-
2480MHz	Pass	AV	2.48G	104.05	Inf	-Inf	31.37	3	Horizontal	159	1.18	-
2480MHz	Pass	AV	2.4835G	49.03	54.00	-4.97	31.36	3	Horizontal	324	1.85	-
2480MHz	Pass	PK	2.4802G	104.73	Inf	-Inf	31.37	3	Horizontal	18	1.32	-
2480MHz	Pass	PK	2.4894G	58.99	74.00	-15.01	31.35	3	Horizontal	119	2.18	-
2480MHz	Pass	AV	4.9593G	35.01	54.00	-18.99	7.47	3	Vertical	105	1.52	-
2480MHz	Pass	PK	4.9623G	46.94	74.00	-27.06	7.48	3	Vertical	105	1.52	-
2480MHz	Pass	AV	4.96006G	35.78	54.00	-18.22	7.47	3	Horizontal	18	1.11	-
2480MHz	Pass	PK	4.95262G	46.50	74.00	-27.50	7.45	3	Horizontal	18	1.11	-

BT-LE0.125_Nss1_1TX

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2402MHz_TX

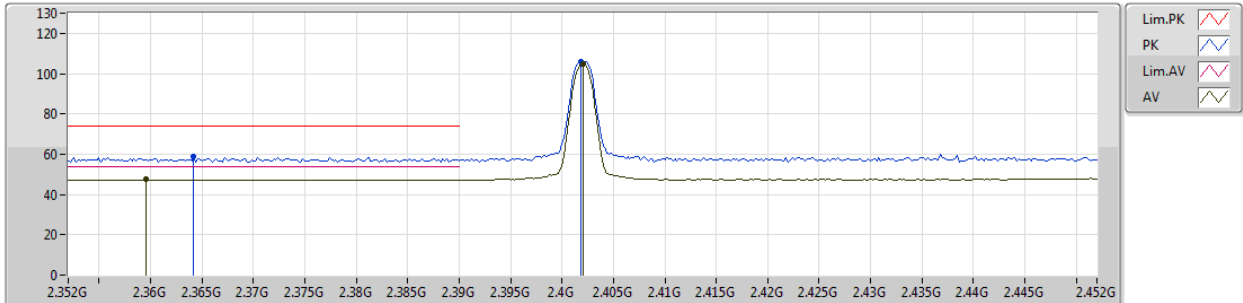


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3552G	47.52	54.00	-6.48	31.62	3	Vertical	331	1.83	-
AV	2.402G	103.85	Inf	-Inf	31.47	3	Vertical	331	1.83	-
PK	2.3694G	58.91	74.00	-15.09	31.57	3	Vertical	331	1.83	-
PK	2.4022G	104.53	Inf	-Inf	31.47	3	Vertical	331	1.83	-

BT-LE0.125_Nss1_1TX

25/03/2019

2402MHz_TX

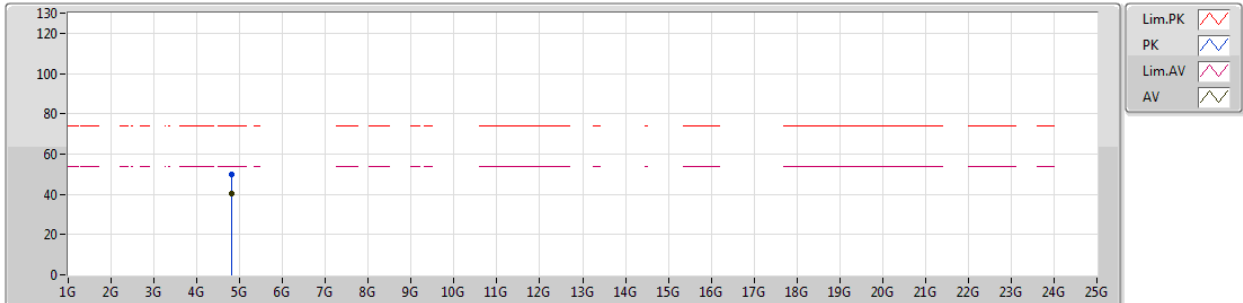


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3596G	47.46	54.00	-6.54	31.60	3	Horizontal	57	1.11	-
AV	2.402G	105.04	Inf	-Inf	31.47	3	Horizontal	57	1.11	-
PK	2.3642G	58.57	74.00	-15.43	31.58	3	Horizontal	57	1.11	-
PK	2.4018G	105.68	Inf	-Inf	31.47	3	Horizontal	57	1.11	-

BT-LE0.125_Nss1_1TX

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2402MHz_TX

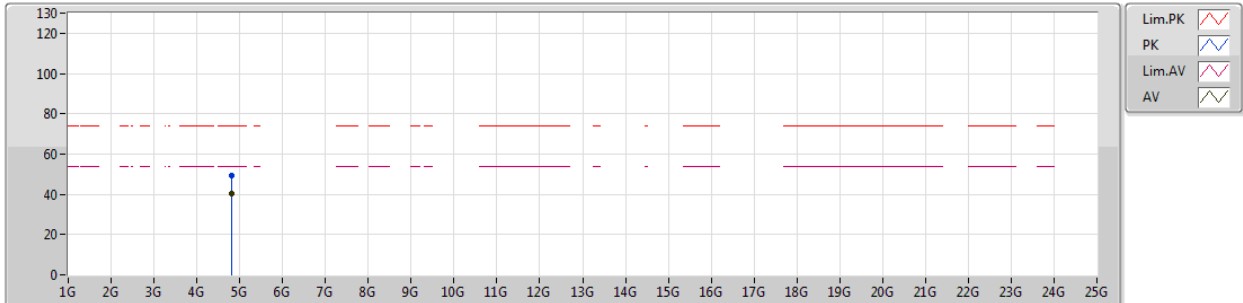


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments								
AV	4.80378G	40.39	54.00	-13.61	7.09	3	Vertical	221	1.15	-								
PK	4.80469G	49.67	74.00	-24.33	7.09	3	Vertical	221	1.15	-								

BT-LE0.125_Nss1_1TX

25/03/2019

2402MHz_TX

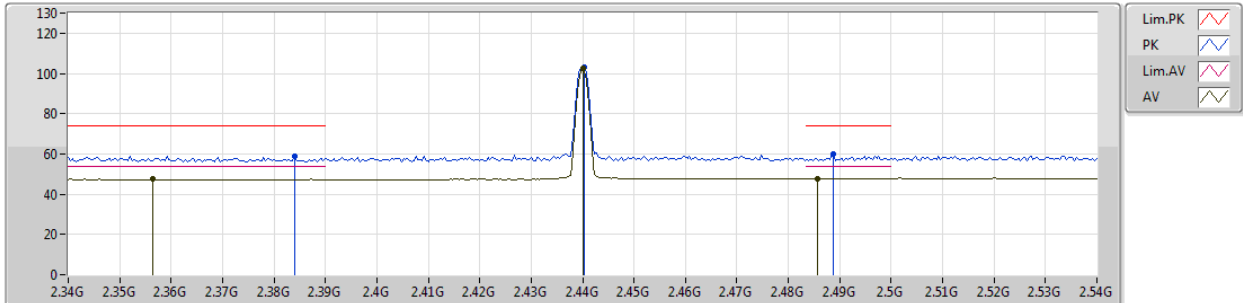


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.80379G	40.11	54.00	-13.89	7.09	3	Horizontal	357	1.50	-
PK	4.80447G	49.16	74.00	-24.84	7.09	3	Horizontal	357	1.50	-

BT-LE0.125_Nss1_1TX

25/03/2019

2440MHz_TX

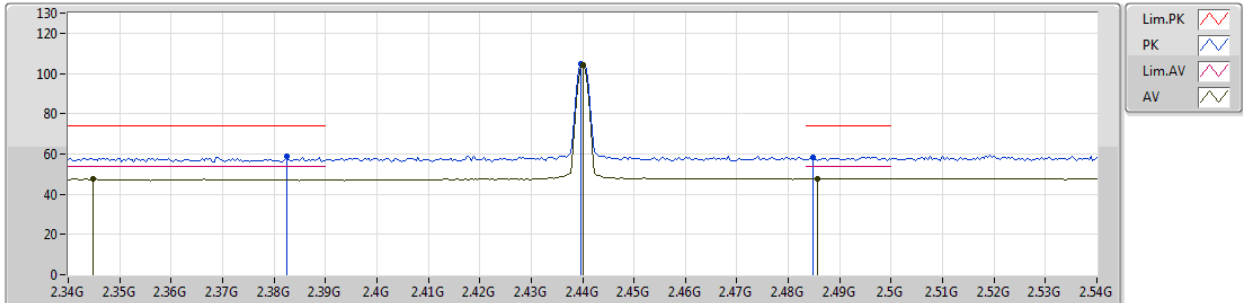


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3564G	47.49	54.00	-6.51	31.61	3	Vertical	68	1.78	-
AV	2.44G	102.36	Inf	-Inf	31.42	3	Vertical	140	1.64	-
AV	2.4856G	47.74	54.00	-6.26	31.36	3	Vertical	284	1.75	-
PK	2.384G	58.93	74.00	-15.07	31.52	3	Vertical	203	1.50	-
PK	2.4404G	103.03	Inf	-Inf	31.42	3	Vertical	58	1.97	-
PK	2.4888G	59.75	74.00	-14.25	31.35	3	Vertical	291	1.08	-

BT-LE0.125_Nss1_1TX

25/03/2019

2440MHz_TX

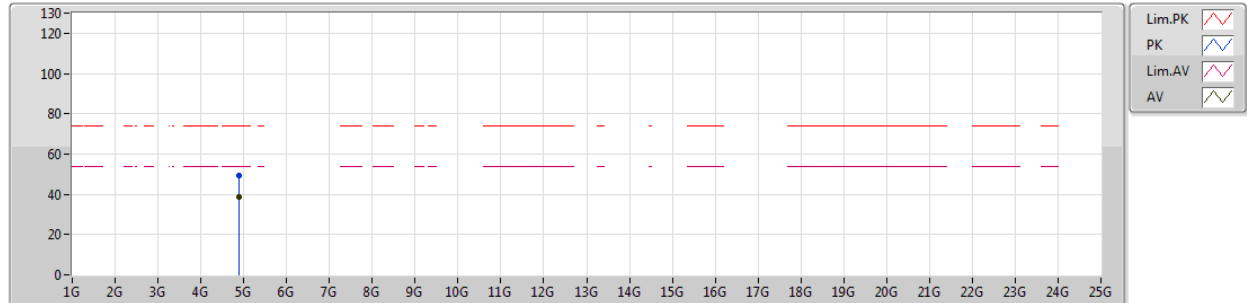


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3448G	47.63	54.00	-6.37	31.65	3	Horizontal	337	1.41	-
AV	2.44G	104.23	Inf	-Inf	31.42	3	Horizontal	77	2.10	-
AV	2.4856G	47.74	54.00	-6.26	31.36	3	Horizontal	35	1.99	-
PK	2.3824G	58.73	74.00	-15.27	31.53	3	Horizontal	241	2.16	-
PK	2.4396G	104.93	Inf	-Inf	31.42	3	Horizontal	289	1.37	-
PK	2.4848G	58.47	74.00	-15.53	31.36	3	Horizontal	258	1.96	-

BT-LE0.125_Nss1_1TX

25/03/2019

2440MHz_TX

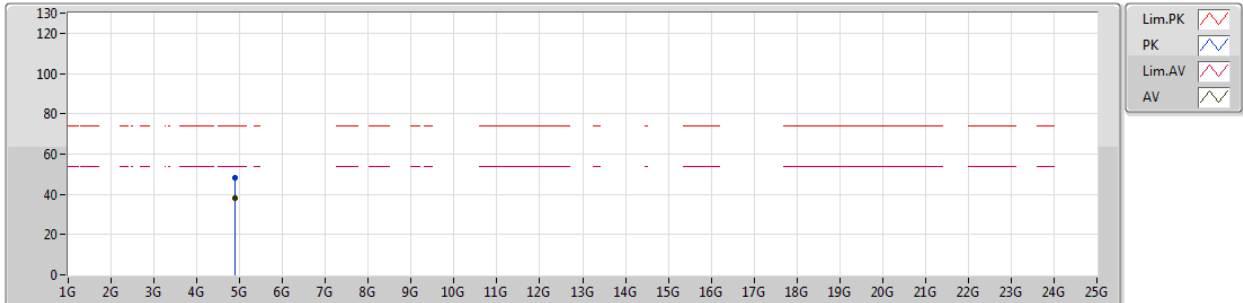


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments								
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)		(m)		(°)	(m)									
AV	4.87961G	38.53	54.00	-15.47	7.22	3	Vertical	215	1.10	-								
PK	4.8795G	49.09	74.00	-24.91	7.22	3	Vertical	215	1.10	-								

BT-LE0.125_Nss1_1TX

25/03/2019

2440MHz_TX

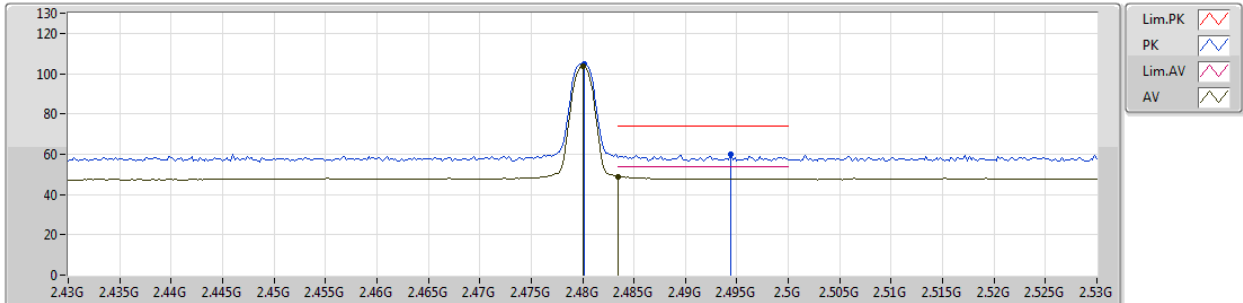


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.8797G	37.97	54.00	-16.03	7.22	3	Horizontal	13	1.20	-
PK	4.87998G	48.17	74.00	-25.83	7.22	3	Horizontal	13	1.20	-

BT-LE0.125_Nss1_1TX

25/03/2019

2480MHz_TX

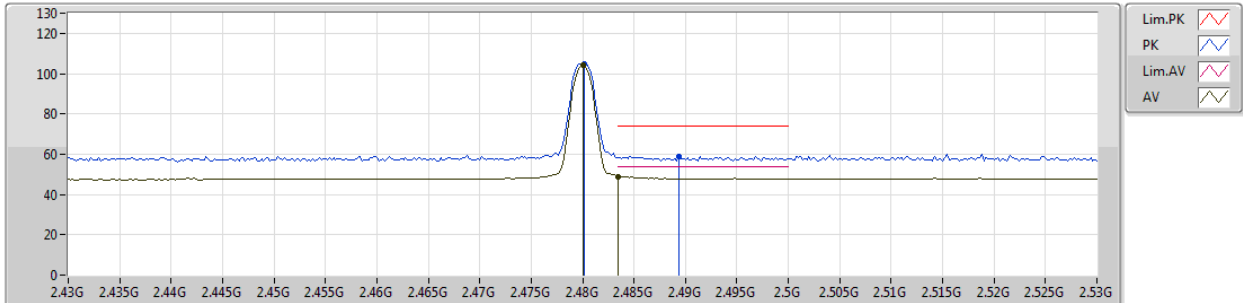


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.48G	103.89	Inf	-Inf	31.37	3	Vertical	191	2.30	-
AV	2.4835G	49.03	54.00	-4.97	31.36	3	Vertical	359	1.37	-
PK	2.4802G	104.52	Inf	-Inf	31.37	3	Vertical	265	1.72	-
PK	2.4944G	59.69	74.00	-14.31	31.35	3	Vertical	93	1.44	-

BT-LE0.125_Nss1_1TX

25/03/2019

2480MHz_TX

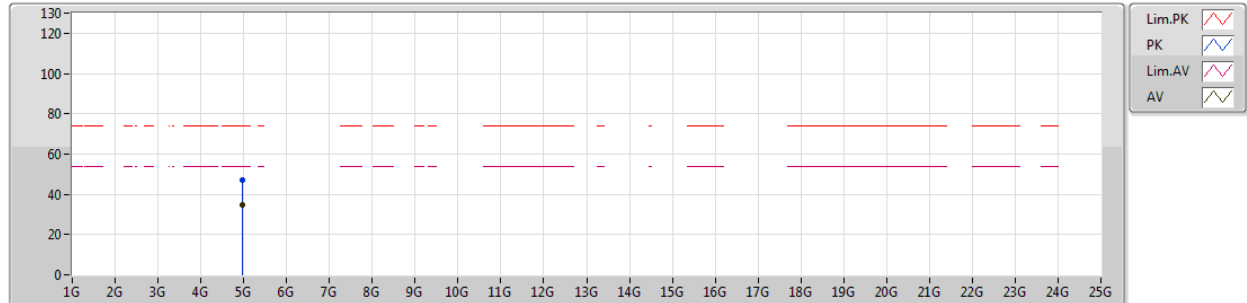


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.48G	104.05	Inf	-Inf	31.37	3	Horizontal	159	1.18	-
AV	2.4835G	49.03	54.00	-4.97	31.36	3	Horizontal	324	1.85	-
PK	2.4802G	104.73	Inf	-Inf	31.37	3	Horizontal	18	1.32	-
PK	2.4894G	58.99	74.00	-15.01	31.35	3	Horizontal	119	2.18	-

BT-LE0.125_Nss1_1TX

25/03/2019

2480MHz_TX

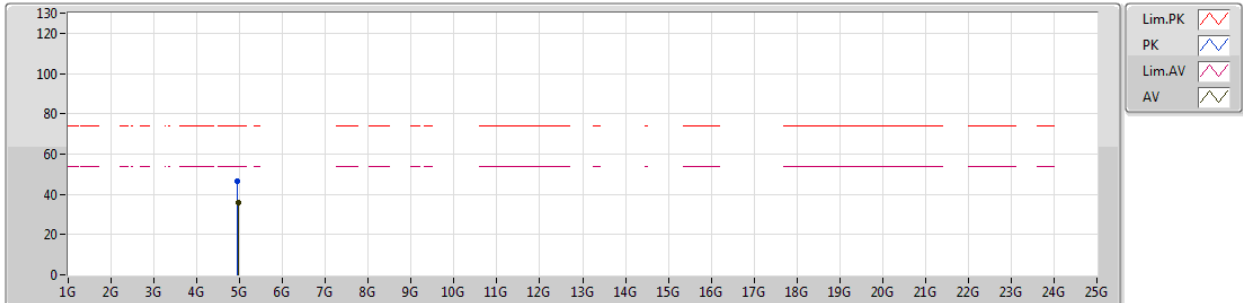


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments								
AV	4.9593G	35.01	54.00	-18.99	7.47	3	Vertical	105	1.52	-								
PK	4.9623G	46.94	74.00	-27.06	7.48	3	Vertical	105	1.52	-								

BT-LE0.125_Nss1_1TX

25/03/2019

2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.96006G	35.78	54.00	-18.22	7.47	3	Horizontal	18	1.11	-
PK	4.95262G	46.50	74.00	-27.50	7.45	3	Horizontal	18	1.11	-