

FCC Test Report

FCC ID : QYL9260NG
Equipment : WLAN module
Brand Name : Getac
Model Name : 9260NGW
Applicant : Getac Technology Corporation.
5F., Building A, No. 209, Sec.1, Nangang Rd.,Nangang
Dist., Taipei City 11568, Taiwan, R.O.C.
Manufacturer : Intel Mobile Communications
100 Center Point Circle, Suite 200, Columbia,
South Carolina 29210 USA
Standard : 47 CFR FCC Part 15.247

The product was received on Jul. 01, 2019, and testing was started from Jul. 05, 2019 and completed on Jul. 08, 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 variant 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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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	FCC 15.203
3.1	15.247(b)	Maximum Conducted Output Power	PASS	15.247(b)
3.2	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: Sam Tsai

Report Producer: Michelle Tsai

1 General Description

1.1 Information

1.1.1 RF General Information

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

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

Note:

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

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	-	-	PIFA	IPEX
2	-	-	PIFA	IPEX

Ant.	Port	Gain (dBi)											
		2.4G		BT		5G							
						UNII-1		UNII-2A		UNII-2C		UNII-3	
1(Aux)	2	-	-0.3 3	-	0.34	-	0.45	-	0.43	-	1.24	-	1.10
2(Main)	1	0.34	-	-	-	-0.15	-	-0.97	-	0.26	-	1.03	-

Note 1: The EUT has two antennas.

For 2.4GHz function:

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

Support diversity function and pre-tested on each single chain.

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

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

For BT function:

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

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

For 5GHz function:

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

Support diversity function and pre-tested on each single chain.

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

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

1.1.3 EUT Information

Operational Condition			
EUT Power Type	From Host System		
EUT Function	<input checked="" type="checkbox"/> Point-to-multipoint	<input type="checkbox"/> Point-to-point	
Type of EUT			
<input 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 checked="" type="checkbox"/>	Plug-in radio (EUT intended for a variety of host systems)		
	Host System - Brand Name / Model No.:	1.Getac / A140 2.Getac / A140G2	
<input type="checkbox"/>	Other:		

1.1.4 Mode Test Duty Cycle

Mode	DC	T(s)	VBW(Hz) ≥ 1/T
BT-BR(1Mbps)	0.77	1.14	2.887m
BT-EDR(2Mbps)	0.771	1.13	2.891m
BT-EDR(3Mbps)	0.764	1.17	2.894m

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

1.1.5 Table for Permissive Change

Modifications	Performance Checking
Host system were added, the model name : A140 and A140G2.	Conducted Output power and emissions in Restricted Frequency Bands

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
- ◆ KDB 558074 D01 v05r02
- ◆ ANSI C63.10-2013

1.3 Testing Location Information

Testing Location				
<input checked="" type="checkbox"/>	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.				
<input type="checkbox"/>	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
Radiated	03CH09-HY	Ryan	22.5~24.5°C / 49~52%	08/Jul/2019
RF Conducted	TH06-HY	Gary	23.5~25.5°C / 65~69%	05/Jul/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 Version	DRTU v11.1902.0-09060
-----------------------	-----------------------

Mode	PowerSetting
BT-BR(1Mbps)	-
2402MHz	12
2441MHz	12
2480MHz	12
BT-EDR(2Mbps)	-
2402MHz	7
2441MHz	7
2480MHz	7
BT-EDR(3Mbps)	-
2402MHz	7
2441MHz	7
2480MHz	7

2.3 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	Maximum Conducted Output Power
Test Condition	Conducted measurement at transmit chains

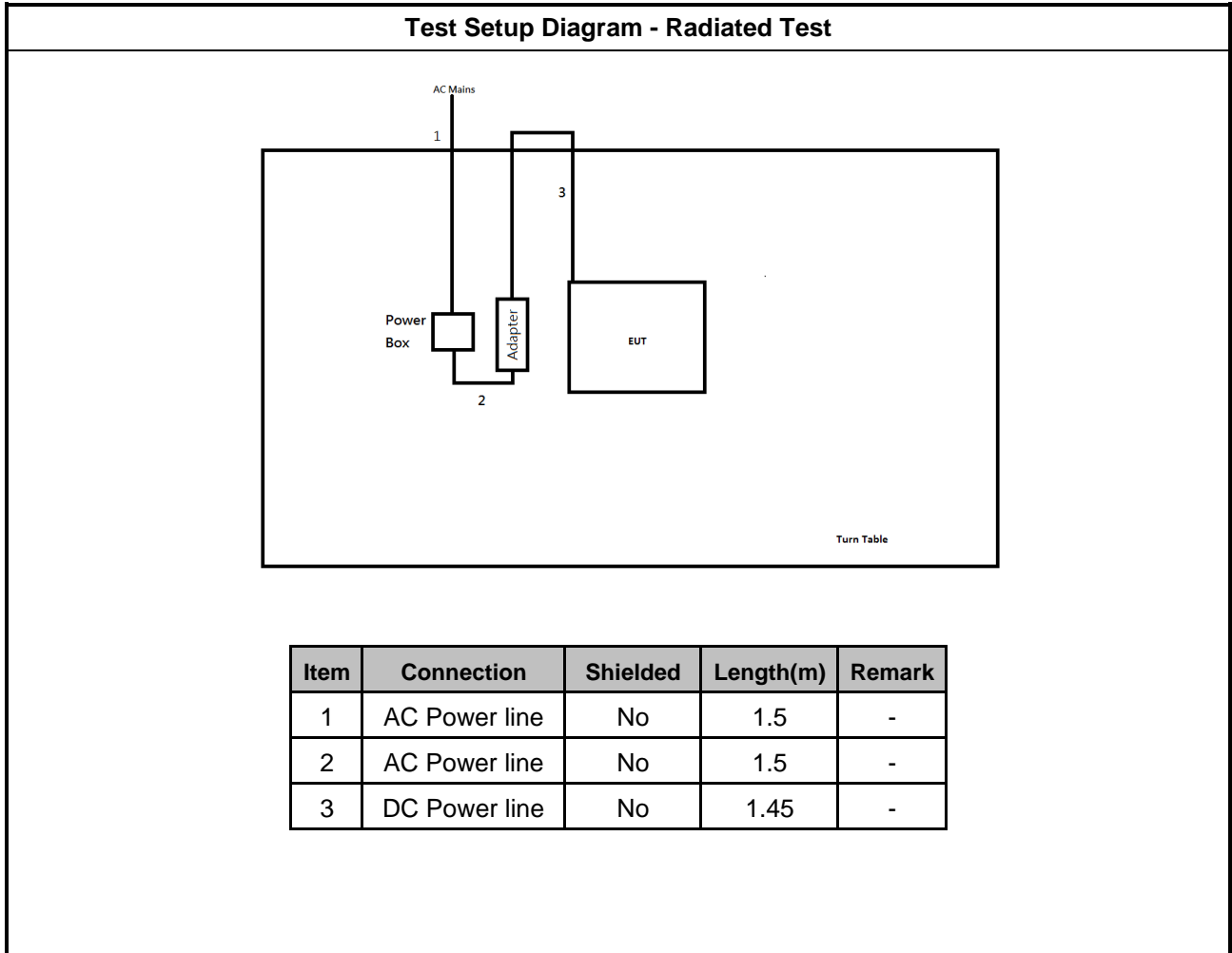
The Worst Case Mode for Following Conformance Tests			
Tests Item	Emissions in Restricted Frequency Bands		
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.		
Operating Mode < 1GHz	CTX		
1	Adapter Mode		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT		V	

2.4 Support Equipment

Support Equipment – RF Conducted				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook	DELL	E5410	DoC
2	Adapter for NB	DELL	HA65NM130	DoC
3	AC Adapter	FSP	FSP065-RBBN3	DoC

Support Equipment – Radiated				
No.	Equipment	Brand Name	Model Name	FCC ID
1	AC Adapter	FSP	FSP065-RBBN3	DoC

2.5 Test Setup Diagram



3 Transmitter Test Result

3.1 Maximum Conducted Output Power

3.1.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
<ul style="list-style-type: none"> 2400-2483.5 MHz Band: 	
	<ul style="list-style-type: none"> $N \geq 75$; Power 30dBm; EIRP 36dBm
	<ul style="list-style-type: none"> $75 > N \geq 15$; Power 21dBm; EIRP 27dBm
N: Number of Hopping Frequencies	

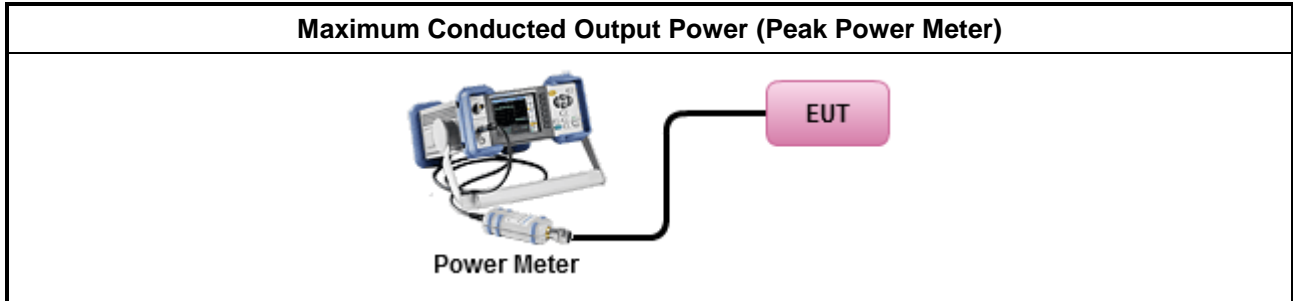
3.1.2 Measuring Instruments

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 7.8.5 for output power measurement.

3.1.4 Test Setup



3.1.5 Test Result of Maximum Conducted Output Power

Refer as Appendix A

3.2 Emissions in Restricted Frequency Bands

3.2.1 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.

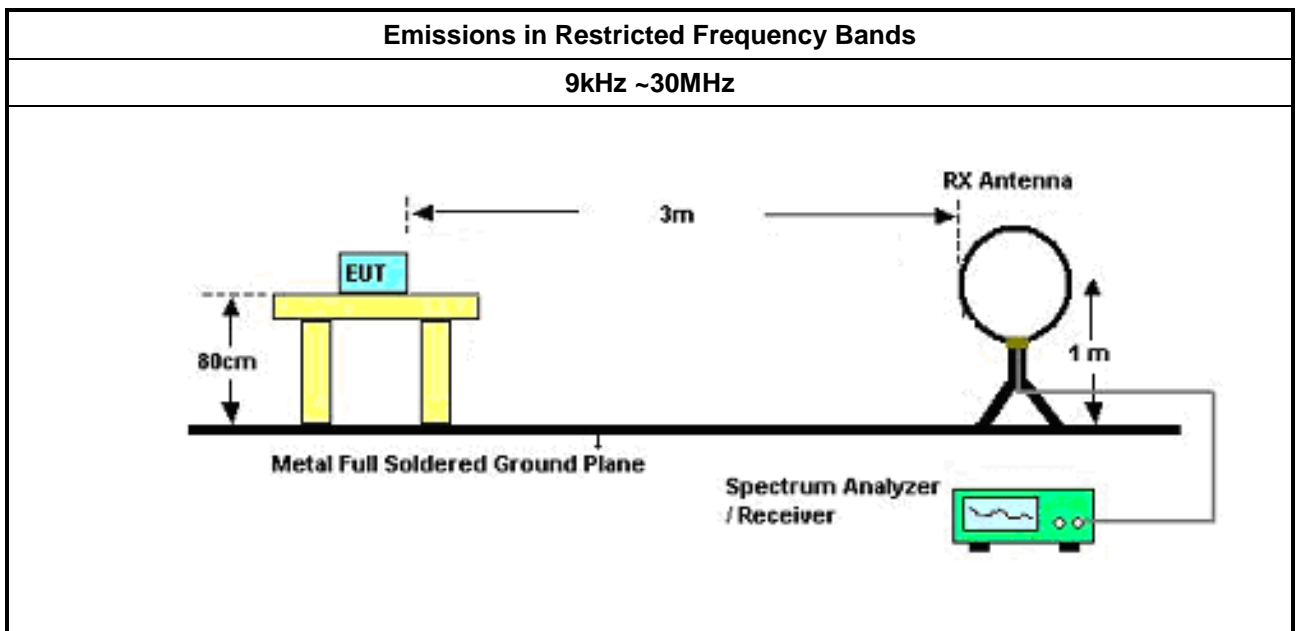
3.2.2 Measuring Instruments

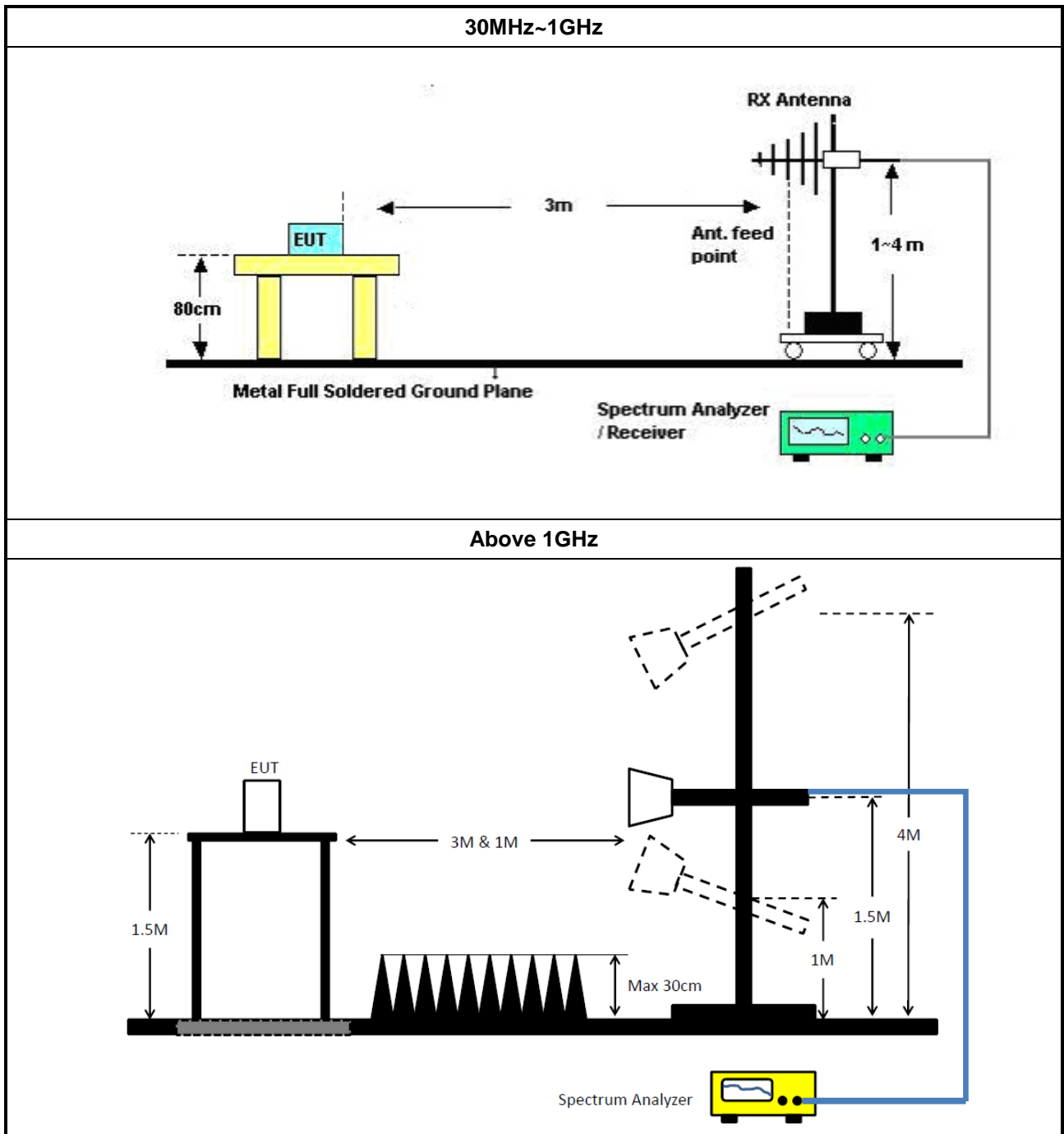
Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> The average emission levels shall be measured in [hopping 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 ANSI C63.10, clause 4.1.4.2.1 QP value.
	<ul style="list-style-type: none"> Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak.
	<ul style="list-style-type: none"> Refer as ANSI C63.10, clause 4.1.4.2.4 average value of hopping pulsed emissions.

3.2.4 Test Setup





3.2.5 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.

3.2.6 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix B



4 Test Equipment and Calibration Data

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
Power Sensor	Anritsu	MA2411B	1339407	300MHz ~ 40GHz	17/Nov/2018	16/Nov/2019
Power Meter	Anritsu	ML2495A	1517010	300MHz ~ 40GHz	17/Nov/2018	16/Nov/2019
Cable 0.2m	HUBER	MY10710/4	RF Cable - 01	30MHz ~18G	10/Jan/2019	09/Jan/2020
Cable 0.2m	HUBER	MY10711/4	RF Cable - 02	30MHz ~18G	10/Jan/2019	09/Jan/2020
Cable 0.5m	HUBER	MY39470/4	RF Cable - 29	30MHz ~18G	10/Jan/2019	09/Jan/2020
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	12/Nov/2018	10/Nov/2020

Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz ~ 1GHz	22/Apr/2019	21/Apr/2020
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz ~ 18GHz	13/Jun/2019	12/Jun/2020
Microwave System Prempplier	KEYSIGHT	87422A	MY53270197	1GHz ~ 18GHz	30/Nov/2018	29/Nov/2019
Amplifier	EMC	EMC9135	980232	9KHz~1GHz	22/Apr/2019	21/Apr/2020
EMI Test Receiver	R&S	ESR3	102052	9kHz ~ 3.6GHz	09/Apr/2019	08/Apr/2020
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz ~ 44GHz	31/Jul/2018	30/Jul/2019
Bilog Antenna & 5dB Attenuator	TESEQ & MTJ	CBL6111D & MTJ6102-05	35418 / 3	30MHz~1GHz	02/Oct/2018	03/Oct/2019
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA9120 D 1534	1GHz~18GHz	22/May/2019	21/May/2020
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170614	18GHz~40GHz	22/May/2019	21/May/2020
Preampplier	MITEQ	TTA1840-35-HG	1864481	18GHz ~ 40GHz	24/Aug/2018	23/Aug/2019
Loop Antenna	TESEQ	HLA 6120	31244	9k-30MHz	15/Mar/2019	14/Mar/2020
LF-CABLE-2019 0218	Jye Bao	RG142	CB028	9kHz ~ 1GHz	18/Feb/2019	17/Feb/2020
RF Cable-high	HUBER+SUHNER	SUCOFLEX104	SN 556626/4 + 556627	1GHz ~ 40GHz	13/Mar/2019	12/Mar/2020



Summary

Mode	Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	10.35	0.01084
BT-EDR(2Mbps)	6.66	0.00463
BT-EDR(3Mbps)	6.67	0.00465



Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	0.34	9.15	30.00
2441MHz	Pass	0.34	9.78	30.00
2480MHz	Pass	0.34	10.35	30.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	0.34	6.56	30.00
2441MHz	Pass	0.34	6.66	30.00
2480MHz	Pass	0.34	6.60	30.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	0.34	6.54	30.00
2441MHz	Pass	0.34	6.67	30.00
2480MHz	Pass	0.34	6.60	30.00

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



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-BR(1Mbps)	Pass	PK	699.3M	35.83	46.00	-10.17	-9.31	3	Vertical	360	1.00	-



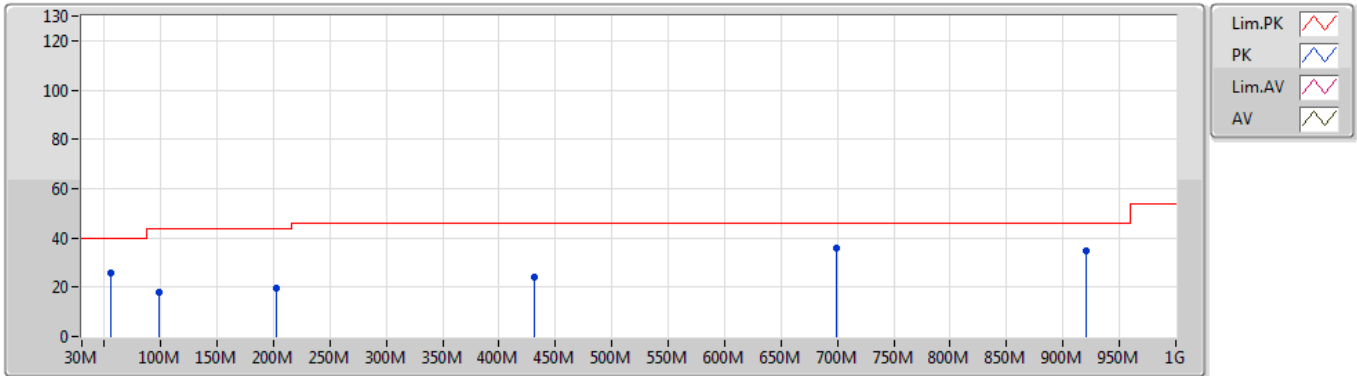
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2480MHz	Pass	PK	55.22M	26.03	40.00	-13.97	-25.00	3	Vertical	360	1.00	-
2480MHz	Pass	PK	97.9M	17.76	43.50	-25.74	-21.12	3	Vertical	360	1.00	-
2480MHz	Pass	PK	202.66M	19.55	43.50	-23.95	-20.95	3	Vertical	360	1.00	-
2480MHz	Pass	PK	431.58M	24.09	46.00	-21.91	-12.87	3	Vertical	360	1.00	-
2480MHz	Pass	PK	699.3M	35.83	46.00	-10.17	-9.31	3	Vertical	360	1.00	-
2480MHz	Pass	PK	920.46M	34.92	46.00	-11.08	-6.00	3	Vertical	360	1.00	-
2480MHz	Pass	PK	49.4M	12.70	40.00	-27.30	-22.99	3	Horizontal	0	1.00	-
2480MHz	Pass	PK	241.46M	20.61	46.00	-25.39	-18.38	3	Horizontal	0	1.00	-
2480MHz	Pass	PK	311.3M	20.45	46.00	-25.55	-16.49	3	Horizontal	0	1.00	-
2480MHz	Pass	PK	431.58M	25.22	46.00	-20.78	-12.87	3	Horizontal	0	1.00	-
2480MHz	Pass	PK	699.3M	31.52	46.00	-14.48	-9.31	3	Horizontal	0	1.00	-
2480MHz	Pass	PK	774.96M	31.91	46.00	-14.09	-7.72	3	Horizontal	0	1.00	-

BT-BR(1Mbps)

08/07/2019

2480MHz_Adapter

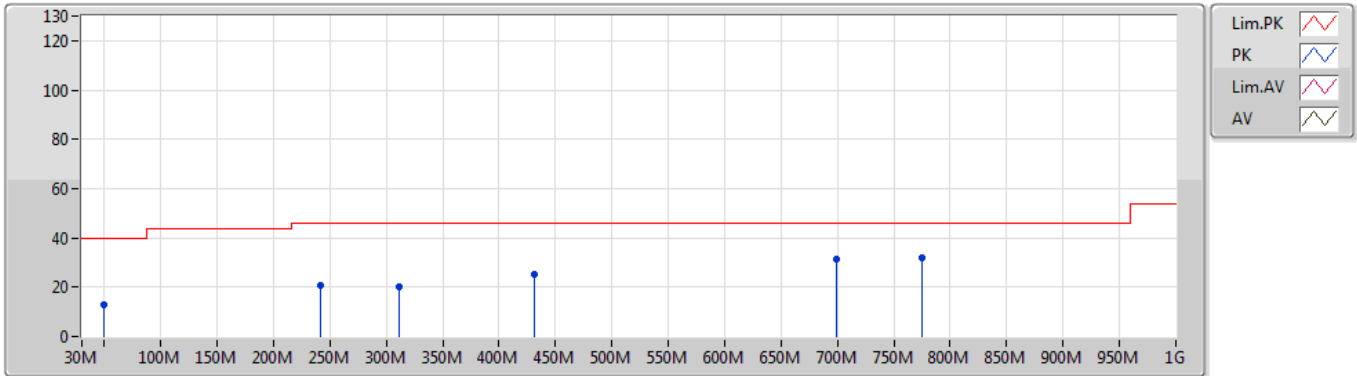


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	55.22M	26.03	40.00	-13.97	-25.00	3	Vertical	360	1.00	-	51.03	11.52	0.60	37.12
PK	97.9M	17.76	43.50	-25.74	-21.12	3	Vertical	360	1.00	-	38.88	14.88	0.80	36.80
PK	202.66M	19.55	43.50	-23.95	-20.95	3	Vertical	360	1.00	-	40.50	14.22	1.19	36.36
PK	431.58M	24.09	46.00	-21.91	-12.87	3	Vertical	360	1.00	-	36.96	22.08	1.77	36.72
PK	699.3M	35.83	46.00	-10.17	-9.31	3	Vertical	360	1.00	-	45.14	25.77	2.28	37.36
PK	920.46M	34.92	46.00	-11.08	-6.00	3	Vertical	360	1.00	-	40.92	28.85	2.57	37.42

BT-BR(1Mbps)

08/07/2019

2480MHz_Adapter



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	49.4M	12.70	40.00	-27.30	-22.99	3	Horizontal	0	1.00	-	35.69	13.60	0.58	37.17
PK	241.46M	20.61	46.00	-25.39	-18.38	3	Horizontal	0	1.00	-	38.99	16.76	1.27	36.41
PK	311.3M	20.45	46.00	-25.55	-16.49	3	Horizontal	0	1.00	-	36.94	18.53	1.47	36.49
PK	431.58M	25.22	46.00	-20.78	-12.87	3	Horizontal	0	1.00	-	38.09	22.08	1.77	36.72
PK	699.3M	31.52	46.00	-14.48	-9.31	3	Horizontal	0	1.00	-	40.83	25.77	2.28	37.36
PK	774.96M	31.91	46.00	-14.09	-7.72	3	Horizontal	0	1.00	-	39.63	27.34	2.40	37.46



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-BR(1Mbps)	Pass	AV	2.4835G	46.78	54.00	-7.22	33.67	3	Horizontal	294	1.49	-



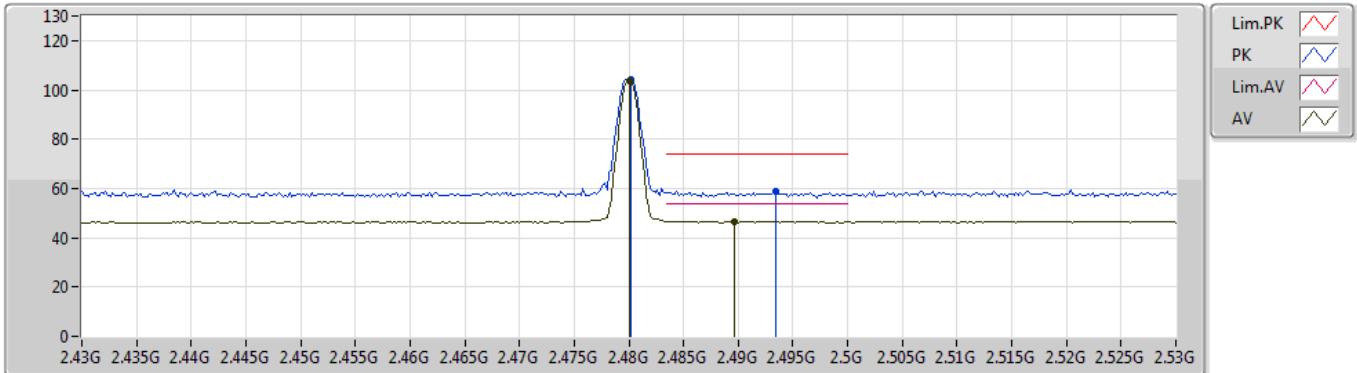
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2480MHz	Pass	AV	2.48G	103.70	Inf	-Inf	33.67	3	Vertical	256	1.01	-
2480MHz	Pass	AV	2.4896G	46.70	54.00	-7.30	33.66	3	Vertical	256	1.01	-
2480MHz	Pass	PK	2.4802G	104.06	Inf	-Inf	33.67	3	Vertical	256	1.01	-
2480MHz	Pass	PK	2.4934G	58.69	74.00	-15.31	33.66	3	Vertical	256	1.01	-
2480MHz	Pass	AV	2.48G	102.08	Inf	-Inf	33.67	3	Horizontal	294	1.49	-
2480MHz	Pass	AV	2.4835G	46.78	54.00	-7.22	33.67	3	Horizontal	294	1.49	-
2480MHz	Pass	PK	2.4802G	102.43	Inf	-Inf	33.67	3	Horizontal	294	1.49	-
2480MHz	Pass	PK	2.4888G	58.68	74.00	-15.32	33.66	3	Horizontal	294	1.49	-
2480MHz	Pass	AV	4.95994G	35.93	54.00	-18.07	10.26	3	Vertical	354	1.48	-
2480MHz	Pass	PK	4.95982G	48.65	74.00	-25.35	10.26	3	Vertical	354	1.48	-
2480MHz	Pass	AV	4.96001G	35.89	54.00	-18.11	10.26	3	Horizontal	83	1.50	-
2480MHz	Pass	PK	4.95758G	48.46	74.00	-25.54	10.25	3	Horizontal	83	1.50	-

BT-BR(1Mbps)

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2480MHz_TX

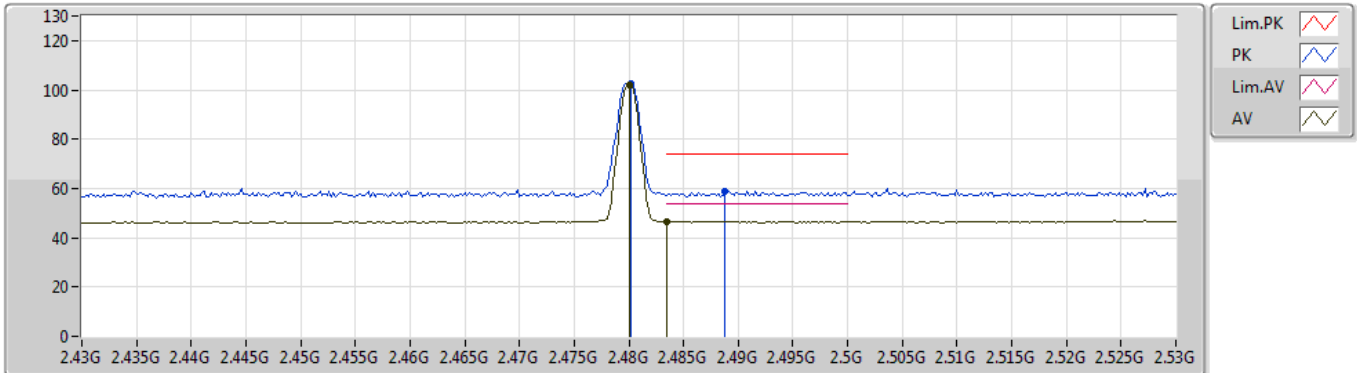


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.48G	103.70	Inf	-Inf	33.67	3	Vertical	256	1.01	-	70.03	27.52	6.15	-
AV	2.4896G	46.70	54.00	-7.30	33.66	3	Vertical	256	1.01	-	13.04	27.51	6.15	-
PK	2.4802G	104.06	Inf	-Inf	33.67	3	Vertical	256	1.01	-	70.39	27.52	6.15	-
PK	2.4934G	58.69	74.00	-15.31	33.66	3	Vertical	256	1.01	-	25.03	27.51	6.15	-

BT-BR(1Mbps)

08/07/2019

2480MHz_TX

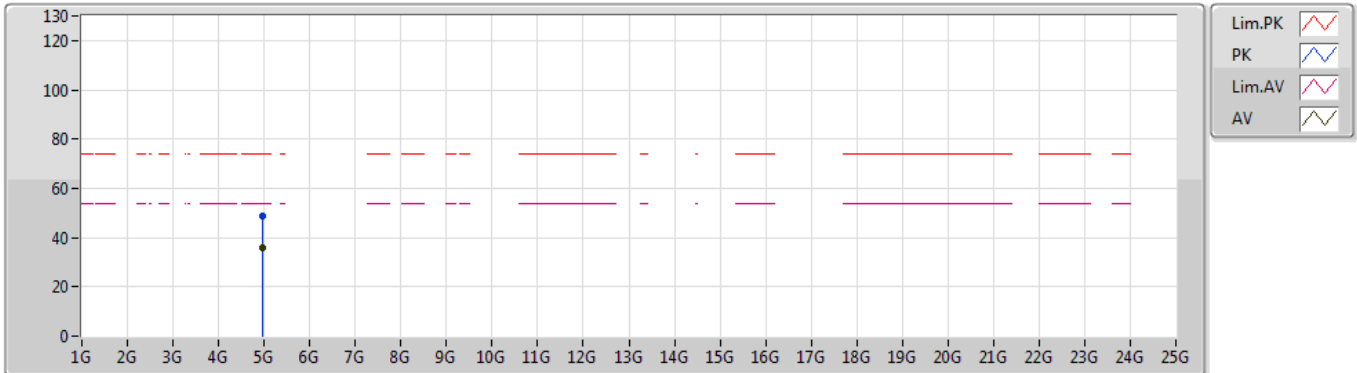


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.48G	102.08	Inf	-Inf	33.67	3	Horizontal	294	1.49	-	68.41	27.52	6.15	-
AV	2.4835G	46.78	54.00	-7.22	33.67	3	Horizontal	294	1.49	-	13.11	27.52	6.15	-
PK	2.4802G	102.43	Inf	-Inf	33.67	3	Horizontal	294	1.49	-	68.76	27.52	6.15	-
PK	2.4888G	58.68	74.00	-15.32	33.66	3	Horizontal	294	1.49	-	25.02	27.51	6.15	-

BT-BR(1Mbps)

08/07/2019

2480MHz_TX

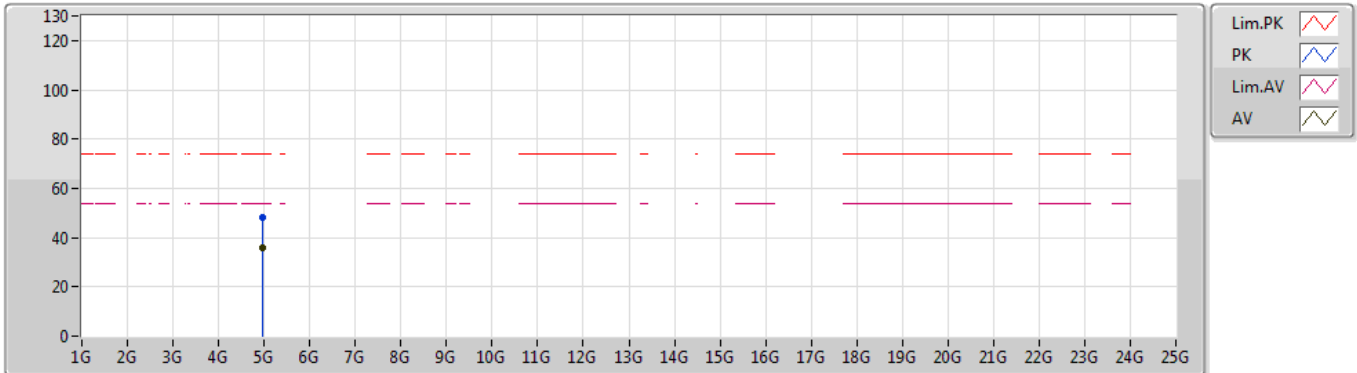


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.95994G	35.93	54.00	-18.07	10.26	3	Vertical	354	1.48	-	25.67	31.34	9.03	30.11
PK	4.95982G	48.65	74.00	-25.35	10.26	3	Vertical	354	1.48	-	38.39	31.34	9.03	30.11

BT-BR(1Mbps)

08/07/2019

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	4.96001G	35.89	54.00	-18.11	10.26	3	Horizontal	83	1.50	-	25.63	31.34	9.03	30.11
PK	4.95758G	48.46	74.00	-25.54	10.25	3	Horizontal	83	1.50	-	38.21	31.33	9.02	30.10