

FCC Test Report

**Test Report
On Behalf of
Shenzhen Smart Care Technology Limited
For
smart ring
Model No.: RN02, RN01, RN03, RN04, RN05, RN06, RN07**

FCC ID: 2AKUO-RN02

Prepared For: **Shenzhen Smart Care Technology Limited**
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Date of Test: **May 06, 2026 ~ May 15, 2026**

Date of Report: **May 15, 2026**

Report Number: **HK2605060485-2E**

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Test Result Certification

Applicant's Name.....: Shenzhen Smart Care Technology Limited

Address: The 6rd Floor,Block 2, An'da Industrial Park, Heping Road,Heping Community, Fuhai Street, Bao'an District, Shenzhen, 518000, China

Manufacturer's Name: Shenzhen Smart Care Technology Limited

Address: The 6rd Floor,Block 2, An'da Industrial Park, Heping Road,Heping Community, Fuhai Street, Bao'an District, Shenzhen, 518000, China

Product Description

Trade Mark: AURAFIT

Product Name.....: smart ring

Model and/or Type Reference : RN02, RN01, RN03, RN04, RN05, RN06, RN07

Standards: **47 CFR FCC Part 15 Subpart C 15.247**

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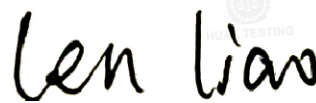
Date of Test:

Date (s) of Performance of Tests: **May 06, 2026 ~ May 15, 2026**

Date of Issue.....: **May 15, 2026**

Test Result.....: **Pass**

Testing Engineer



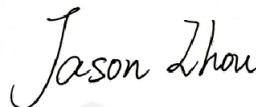
Len Liao

Technical Manager



Sliver Wan

Authorized Signatory



Jason Zhou

Table of Contents

Page

1. Summary	5
1.1. Test Standards	5
1.2. Test Procedures and Results	5
1.3. Information of the Test Laboratory	6
1.4. Statement of the Measurement Uncertainty	6
2. General Information	7
2.1. Environmental Conditions	7
2.2. General Description of EUT	7
2.3. Description of Test Modes and Test Frequency	8
2.4. Equipments Used during the Test	9
2.5. Related Submittal(s) / Grant (s)	10
2.6. Modifications	10
2.7. Description of Test Setup	10
2.8. Description of Support Units	11
3. Test Conditions and Results	12
3.1. AC Conducted Emissions Test	12
3.2. Radiated Emissions	15
3.3. Maximum Peak Conducted Output Power	23
3.4. 20dB Bandwidth	24
3.5. Frequency Separation	27
3.6. Number of Hopping Frequency	29
3.7. Time of Occupancy (Dwell Time)	31
3.8. Out-of-Band Emissions	34
3.9. Pseudorandom Frequency Hopping Sequence	41
3.10. Antenna Requirement	42
4. Test Setup Photos of the EUT	43
5. Photos of the EUT	45

**** Issued History ****

Revision	Description	Issued Date	Remark
Revision 1.0	Initial Test Report Release	May 15, 2026	Jason Zhou



HUAK TESTING

1. Summary

1.1. Test Standards

The tests were performed according to following standards:

FCC Rules Part 15.247: Frequency Hopping, Direct Spread Spectrum and Hybrid Systems that are in operation within the bands of 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz

ANSI C63.10: 2020: American National Standard for Testing Unlicensed Wireless Devices

1.2. Test Procedures and Results

Standard Section	Test Item	Result
FCC Part 15.207	AC Power Conducted Emission	PASS
FCC Part 15.215	20dB Bandwidth& 99% Bandwidth	PASS
FCC Part 15.247(d)	Spurious RF Conducted Emission	PASS
FCC Part 15.247(b)	Maximum Peak Output Power	PASS
FCC Part 15.247(a)(1)	Pseudorandom Frequency Hopping Sequence	PASS
FCC Part 15.247(a)(1)(iii)	Number of Hopping Frequency& Time of Occupancy	PASS
FCC Part 15.247(a)(1)	Frequency Separation	PASS
FCC Part 15.205/15.209	Radiated Emissions	PASS
FCC Part 15.247(d)	Band Edge Compliance of RF Emission	PASS

Note:

1. PASS: Test item meets the requirement.
2. Fail: Test item does not meet the requirement.
3. N/A: Test case does not apply to the test object.
4. The test result judgment is decided by the limit of test standard.



1.3. Information of the Test Laboratory

Shenzhen HUAKE Testing Technology Co., Ltd.

Add.: 1-2/F., Building B2, Junfeng Zhongcheng Zhizao Innovation Park, Heping, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

1.4. Statement of the Measurement Uncertainty

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95%.

No.	Item	MU
1	Conducted Emission 0.15~30MHz	$\pm 2.22\text{dB}$
2	All Emissions, Radiated(<1G)	$\pm 3.60\text{dB}$
3	All Emissions, Radiated(1-18G)	$\pm 3.86\text{dB}$
4	All Emissions, Radiated(18-40G)	$\pm 4.76\text{dB}$
5	Transmitter Power Conducted	$\pm 0.37\text{dB}$
6	Conducted Spurious Emission	$\pm 2.20\text{dB}$
7	Occupied Bandwidth	$\pm 3.68\%$
8	Temperature	$\pm 0.1^{\circ}\text{C}$
9	Humidity	$\pm 1.0\%$



2. General Information

2.1. Environmental Conditions

During the measurement the environmental conditions were within the listed ranges:

Normal Temperature:	25°C
Relative Humidity:	55 %
Air Pressure:	101 kPa

2.2. General Description of EUT

Product Name:	smart ring
Model/Type Reference:	RN02
Series Model(s):	RN01, RN03, RN04, RN05, RN06, RN07
Model Difference:	All model's the function, software and electric circuit are the same, only with product color and model named different. Test sample model: RN02.
Power Supply:	DC 5V From Type-C or DC 3.7V From Battery
Version:	Supported EDR
Modulation:	GFSK, $\pi/4$ DQPSK
Operation Frequency:	2402MHz~2480MHz
Channel Number:	79
Channel Separation:	1MHz
Antenna Type:	PCB Antenna
Antenna Gain:	-11.7dBi
Hardware Version:	V13
Software Version:	V13
Note: 1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual. 2. Antenna gain Refer to the antenna specifications. 3. The cable loss data is obtained from the supplier. 4. The test results in the report only apply to the tested sample.	



2.3. Description of Test Modes and Test Frequency

The Applicant provides communication tools software to control the EUT for staying in continuous transmitting and receiving mode for testing.

There are 79 channels provided to the EUT and Channel 00/39/78 was selected for testing.

Operation Frequency:

Channel	Frequency (MHz)
00	2402
01	2403
⋮	⋮
38	2440
39	2441
40	2442
⋮	⋮
77	2479
78	2480

Note: The line display in grey were the channel selected for testing

Preliminary tests were performed in each mode and packet length of BT, and found worst case as bellow, finally test were conducted at those mode and recorded in this report.

Test Items	Worst Case
AC Conducted Emissions	Working mode
Radiated Emissions	DH5 low channel
Maximum Conducted Output Power	DH5/2DH5
20dB Bandwidth & 99% Bandwidth	DH5/2DH5
Frequency Separation	DH5/2DH5 Middle channel
Number of Hopping Frequency	DH5/2DH5
Time of Occupancy (Dwell Time)	DH1/DH3/DH5 Middle channel 2DH1/2DH3/2DH5 Middle channel
Out-of-Band Emissions	DH5/2DH5



2.4. Equipments Used during the Test

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	L.I.S.N.	R&S	ENV216	HKE-002	2026/02/11	1 Year
2	L.I.S.N.	R&S	ENV216	HKE-059	2026/02/04	1 Year
3	EMI Test Receiver	R&S	ESR-7	HKE-005	2026/02/06	1 Year
4	Spectrum analyzer	Agilent	N9020A	HKE-025	2026/02/06	1 Year
5	Spectrum analyzer	KEYSIGHT	N9020A	HKE-117	2026/02/06	1 Year
6	Spectrum analyzer	R&S	FSV3044	HKE-126	2026/02/06	1 Year
7	Preamplifier	Schwarzbeck	EMC051845S E	HKE-006	2026/02/04	1 Year
8	Preamplifier	Agilent	83051A	HKE-016	2026/02/04	1 Year
9	Preamplifier	QJD	QJD18-40-50	HKE-030	2026/02/05	1 Year
10	6dB Attenuator	Pasternack	6dB	HKE-152	2026/02/06	1 Year
11	EMI Test Receiver	R&S	ESR-7	HKE-010	2026/02/06	1 Year
12	Broadband Antenna	Schwarzbeck	VULB9168	HKE-167	2026/02/06	2 Year
13	Loop Antenna	COM-POWER	AL-130R	HKE-014	2026/02/06	2 Year
14	Horn Antenna	Schwarzbeck	9120D	HKE-013	2026/02/06	2 Year
15	Broadband Horn Antenna	A-INFO	LB-180400-K F	HKE-031	2026/02/06	2 Year
16	EMI Test Software	Tonscend	JS32-CE 2.5.0.6	HKE-081	/	/
17	EMI Test Software	Tonscend	JS32-RE 5.0.0	HKE-082	/	/
18	RF Automatic control unit	Tonscend	JS0806-2	HKE-060	2026/02/06	1 Year
19	High pass filter unit	Tonscend	JS0806-F	HKE-055	2026/02/06	1 Year
20	Wireless Communication Test Set	R&S	CMW500	HKE-027	2026/02/06	1 Year
21	High-low temperature chamber	Guangke	HT-80L	HKE-118	2025/06/09	1 Year
22	Temperature and humidity meter	Boyang	HTC-1	HKE-075	2025/06/09	1 Year
23	RF Test Software	Tonscend	JS1120-3 Version 3.5.39	HKE-083	/	/
24	10dB Attenuator	Schwarzbeck	VTSD9561F	HKE-153	2026/02/04	1 Year
25	RSE Test Software	Tonscend	JS36-RSE 5.0.0	HKE-184	/	/

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2.5. Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended to comply with Section 15.247 of the FCC Part 15, Subpart C Rules.

2.6. Modifications

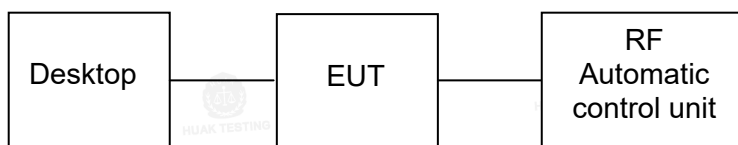
No modifications were implemented to meet testing criteria.

2.7. Description of Test Setup

Operation of EUT during AC Conducted testing and Radiation testing:



Operation of EUT during RF Conducted testing:



The sample was placed (0.8m below 1GHz, 1.5m above 1GHz) above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages. The worst case is X position.

2.8. Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Trade Mark	Model Name	Specification	Remark
1	smart ring	AURAFIT	RN02	N/A	EUT
2	Laptop	Lenovo	ThinkPad L480	DC20V, 2.25/3.25A	

Note:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.
3. For conducted measurements (Output Power, 20dB Emission Bandwidth, Power Spectral Density, Spurious Emissions), the antenna of EUT is connected to the test equipment via temporary antenna connector, the antenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in the Test Instruments.



3. Test Conditions and Results

3.1. AC Conducted Emissions Test

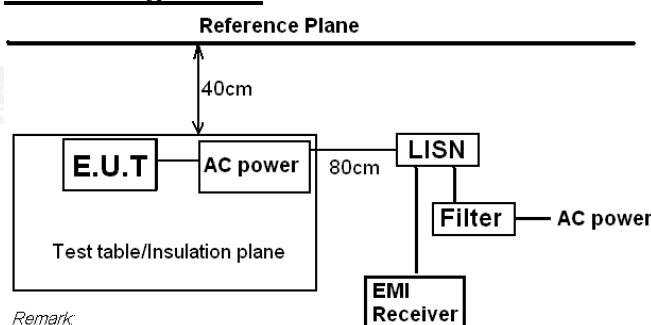
Limit

According to FCC CFR Title 47 Part 15 Subpart C Section 15.207, AC Power Line Conducted Emissions Limits for License-Exempt Radio Apparatus as below:

Frequency range (MHz)	Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

* Decreases with the logarithm of the frequency.

Test Configuration



Remark:

E.U.T: Equipment Under Test

LISN: Line Impedance Stabilization Network

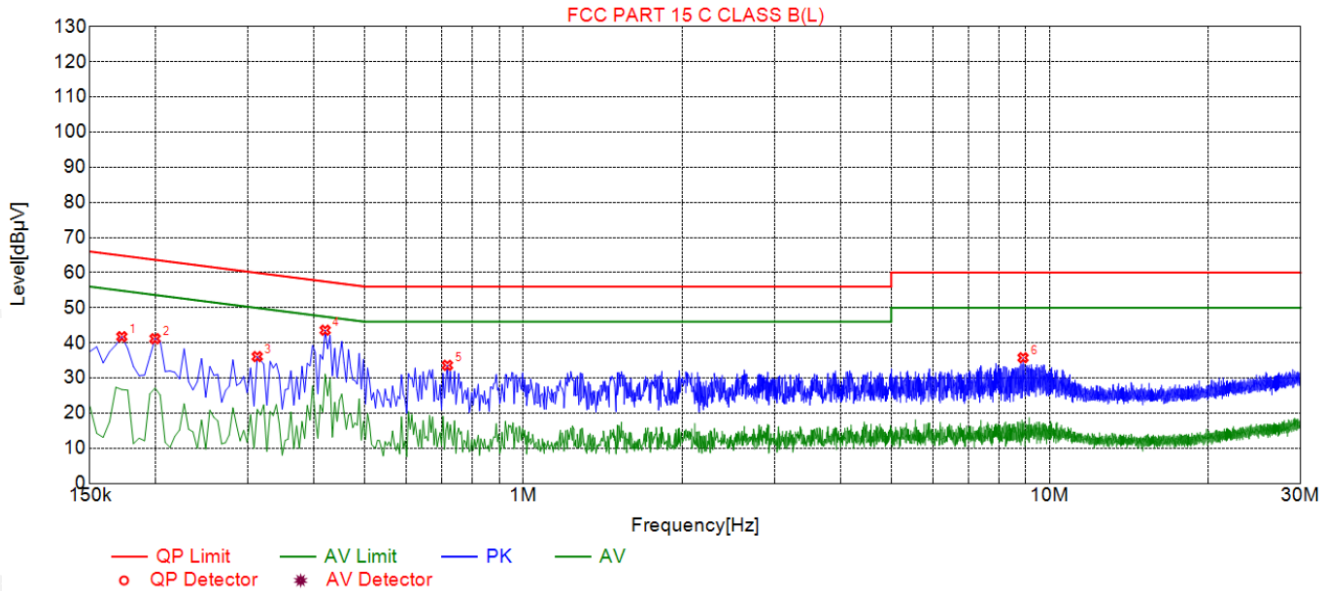
Test table height=0.8m

Test Procedure

1. The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is a tablet system; a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10.
2. Support equipment, if needed, was placed as per ANSI C63.10.
3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.
4. The adapter received AC120V/60Hz power through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
5. All support equipments received AC power from a second LISN, if any.
6. The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
7. Analyzer / Receiver scanned from 150 KHz to 30MHz for emissions in each of the test modes.
8. During the above scans, the emissions were maximized by cable manipulation.

All the test modes completed for test. Only the worst result was reported as below:

Test Specification: Line



Suspected List

NO.	Freq. [MHz]	Level [dBμV]	Factor [dB]	Limit [dBμV]	Margin [dB]	Reading [dBμV]	Detector	Type
1	0.1725	41.75	19.81	64.84	23.09	21.94	PK	L
2	0.1995	41.19	19.75	63.63	22.44	21.44	PK	L
3	0.3120	36.09	19.79	59.92	23.83	16.30	PK	L
4	0.4200	43.60	19.82	57.45	13.85	23.78	PK	L
5	0.7170	33.60	19.95	56.00	22.40	13.65	PK	L
6	8.9025	35.76	20.89	60.00	24.24	14.87	PK	L

Remark: Margin = Limit – Level

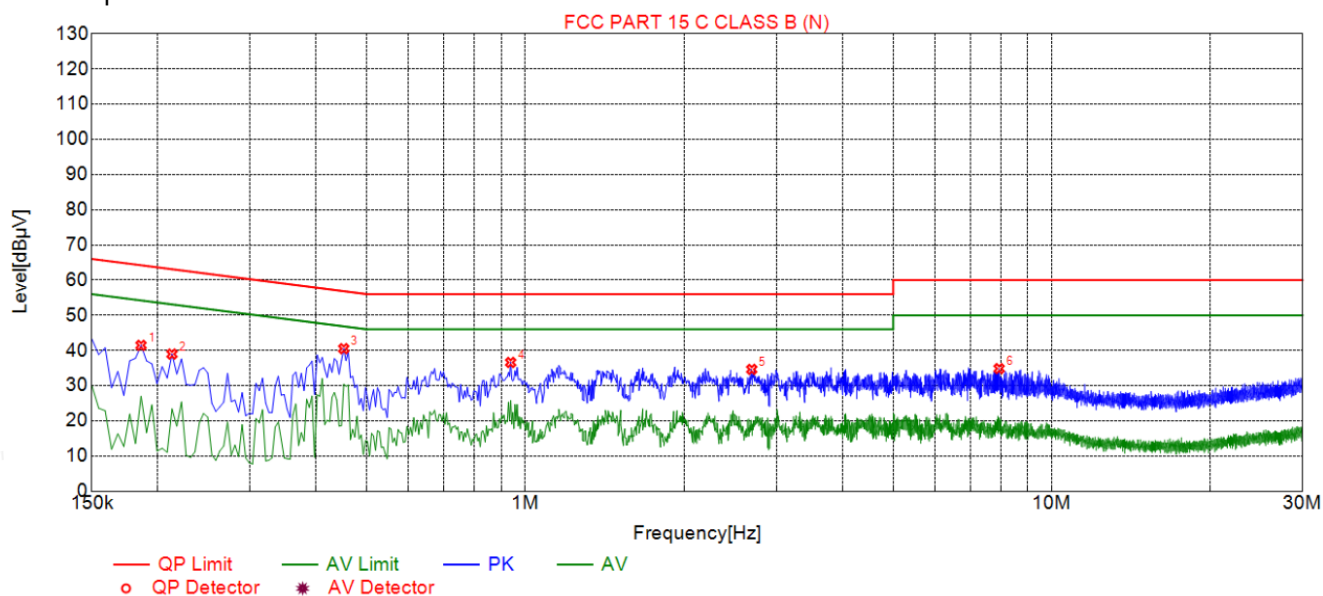
Correction factor = Cable lose + LISN insertion loss

Level=Test receiver reading + correction factor



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Test Specification: Neutral



Suspected List

NO.	Freq. [MHz]	Level [dBμV]	Factor [dB]	Limit [dBμV]	Margin [dB]	Reading [dBμV]	Detector	Type
1	0.1860	41.45	19.81	64.21	22.76	21.64	PK	N
2	0.2130	38.97	19.76	63.09	24.12	19.21	PK	N
3	0.4515	40.51	19.92	56.85	16.34	20.59	PK	N
4	0.9375	36.59	19.97	56.00	19.41	16.62	PK	N
5	2.6925	34.62	20.18	56.00	21.38	14.44	PK	N
6	7.9485	34.84	20.81	60.00	25.16	14.03	PK	N

Remark: $\text{Margin} = \text{Limit} - \text{Level}$

Correction factor = Cable lose + LISN insertion loss

Level = Test receiver reading + correction factor



3.2. Radiated Emissions

Limit

For intentional device, according to § 15.209(a), the general requirement of field strength of radiated emission out of authorized band shall not exceed the following table at a 3 meters measurement distance.

In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a)

Except when the requirements applicable to a given device state otherwise, emissions from License-Exempt transmitters shall comply with the field strength limits shown in table below.

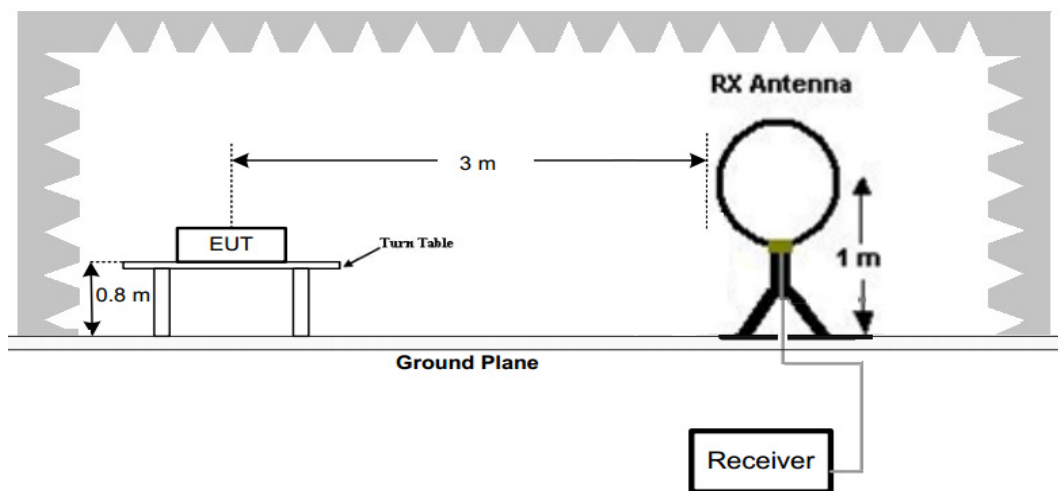
Additionally, the level of any transmitter emission shall not exceed the level of the transmitter's fundamental emission

Radiated Emission Limits

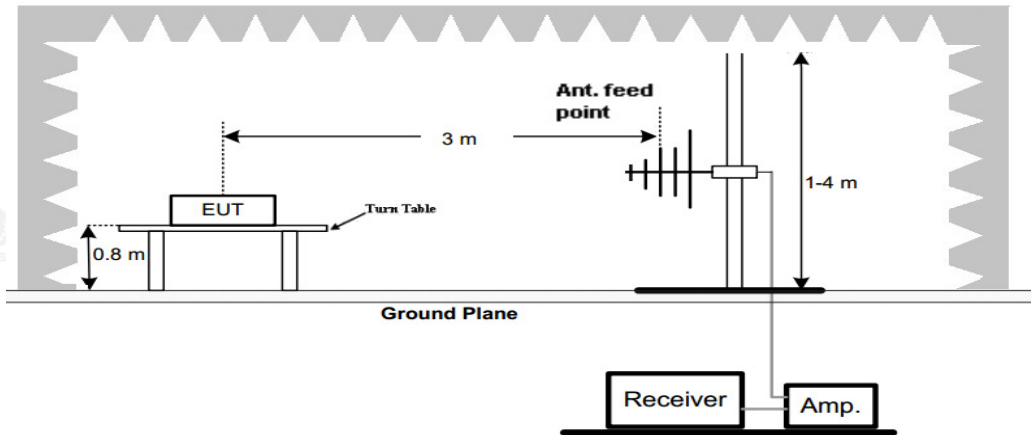
Frequency (MHz)	Distance (Meters)	Radiated (dBμV/m)	Radiated (μV/m)
0.009-0.49	3	$20\log(2400/F(\text{KHz}))+40\log(300/3)$	$2400/F(\text{KHz})$
0.49-1.705	3	$20\log(24000/F(\text{KHz}))+40\log(30/3)$	$24000/F(\text{KHz})$
1.705-30	3	$20\log(30)+40\log(30/3)$	30
30-88	3	40.0	100
88-216	3	43.5	150
216-960	3	46.0	200
Above 960	3	54.0	500

Test Configuration

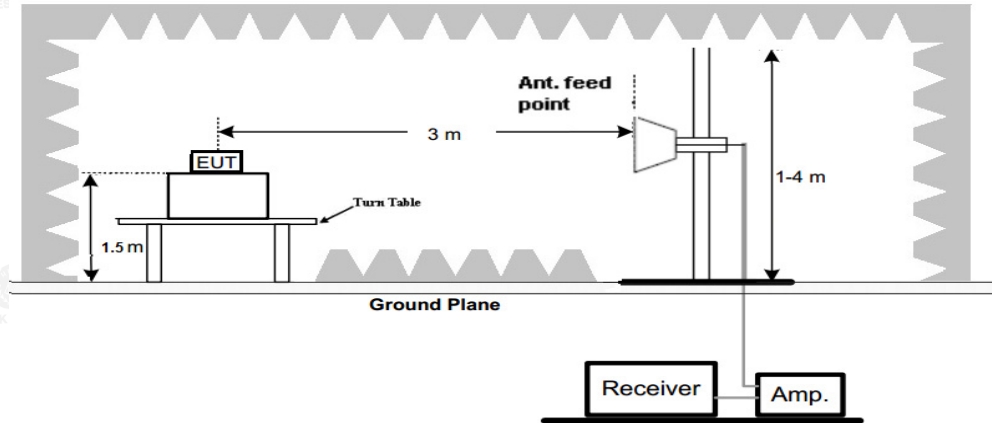
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz



(B) Radiated Emission Test Set-Up, Frequency below 1000MHz



(C) Radiated Emission Test Set-Up, Frequency above 1000MHz



Test Procedure

1. The EUT was placed on turn table which is 0.8m above ground plane for below 1GHz test, and on a low permittivity and low loss tangent turn table which is 1.5m above ground plane for above 1GHz test.
2. Maximum procedure was performed by raising the receiving antenna from 1m to 4m and rotating the turn table from 0 degrees to 360 degrees to acquire the highest emissions from EUT.
3. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
4. Repeat above procedures until all frequency measurements have been completed.



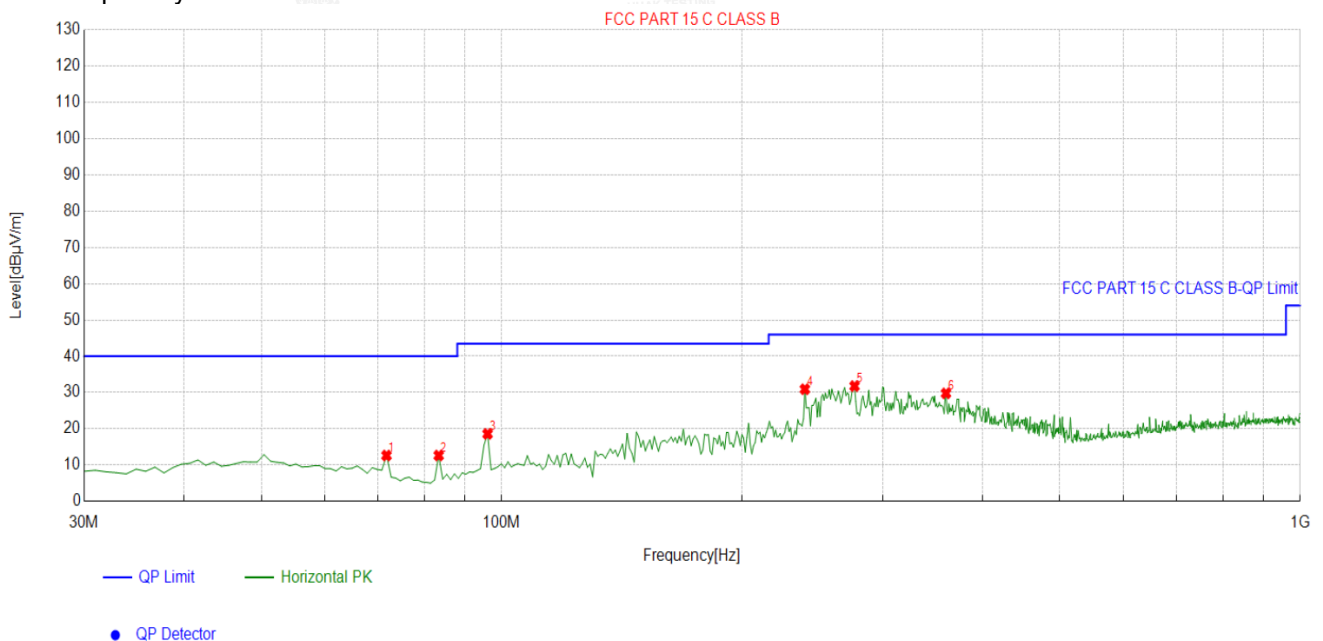
Test Results

Remark:

1. Radiated Emission measured at GFSK, $\pi/4$ DQPSK mode from 9 KHz to 10th harmonic of fundamental and recorded worst case at GFSK DH5 mode.
2. There is no emission found except system noise floor in 9 KHz to 30MHz and not recorded in this report.
3. For below 1GHz testing recorded worst at GFSK DH5 low channel.

Below 1GHz Test Results

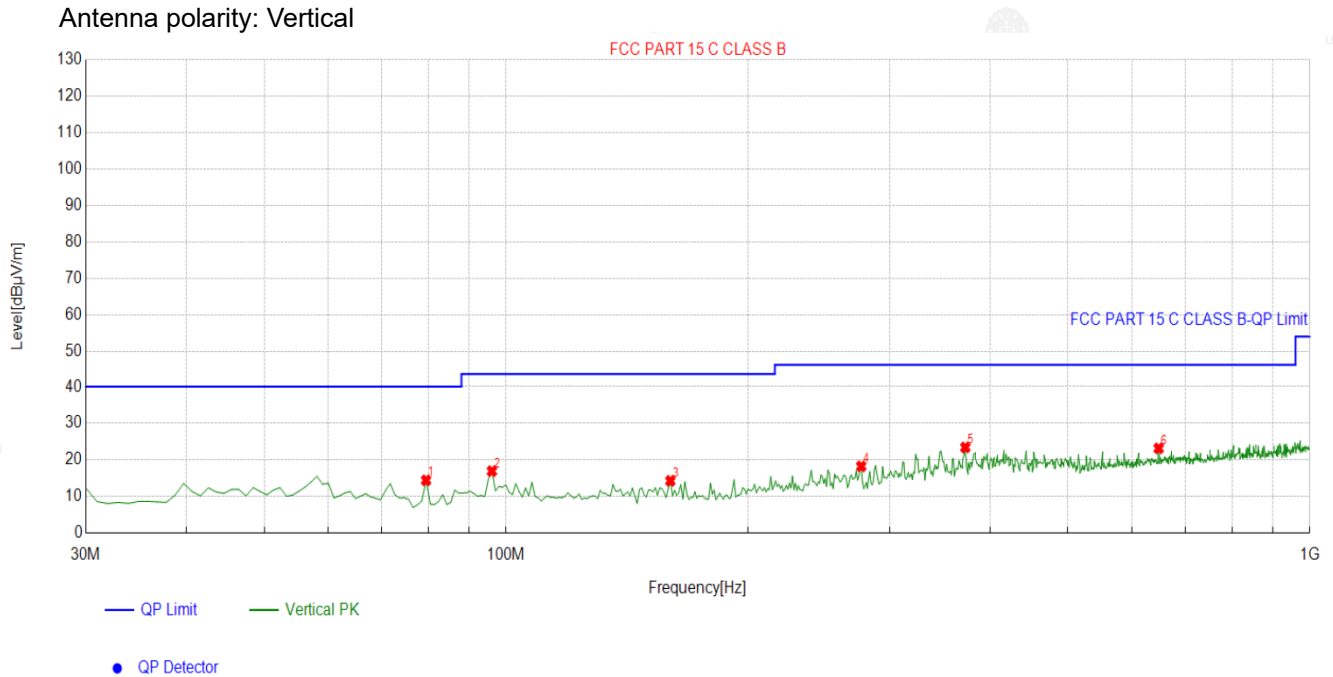
Antenna polarity: Horizontal



Suspected List

NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	71.752	-17.75	30.40	12.65	40.00	27.35	100	201	Horizontal
2	83.403	-18.15	30.81	12.66	40.00	27.34	100	9	Horizontal
3	96.026	-15.16	33.77	18.61	43.50	24.89	100	216	Horizontal
4	239.730	-13.51	44.43	30.92	46.00	15.08	100	350	Horizontal
5	276.627	-12.69	44.47	31.78	46.00	14.22	100	332	Horizontal
6	360.130	-10.47	40.26	29.79	46.00	16.21	100	329	Horizontal

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level



Suspected List

NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	79.520	-18.65	33.12	14.47	40.00	25.53	100	227	Vertical
2	96.026	-15.16	32.13	16.97	43.50	26.53	100	267	Vertical
3	160.110	-17.48	31.80	14.32	43.50	29.18	100	282	Vertical
4	276.627	-12.69	30.97	18.28	46.00	27.72	100	278	Vertical
5	372.753	-10.54	33.98	23.44	46.00	22.56	100	289	Vertical
6	648.509	-4.79	27.98	23.19	46.00	22.81	100	242	Vertical

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level

Harmonics and Spurious Emissions

Frequency Range (9 kHz-30MHz)

Frequency (MHz)	Level@3m (dBμV/m)	Limit@3m (dBμV/m)
--	--	--
--	--	--
--	--	--
--	--	--

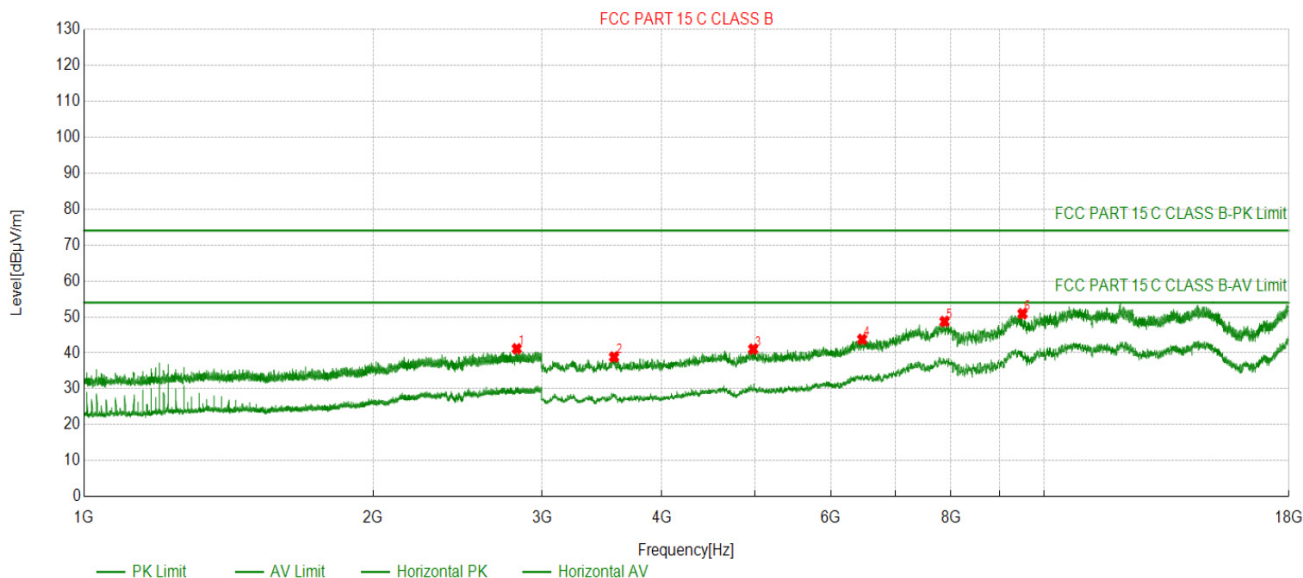
Note: 1. Emission Level=Reading+ Cable loss+ Antenna factor-Amp factor
2. The emission levels are 20 dB below the limit value, which are not reported. It is deemed to comply with the requirement

Above 1GHz Test Results

All the test modes completed for test. Only the worst result was reported as below:

For 1GHz to 18GHz

Antenna polarity: Horizontal



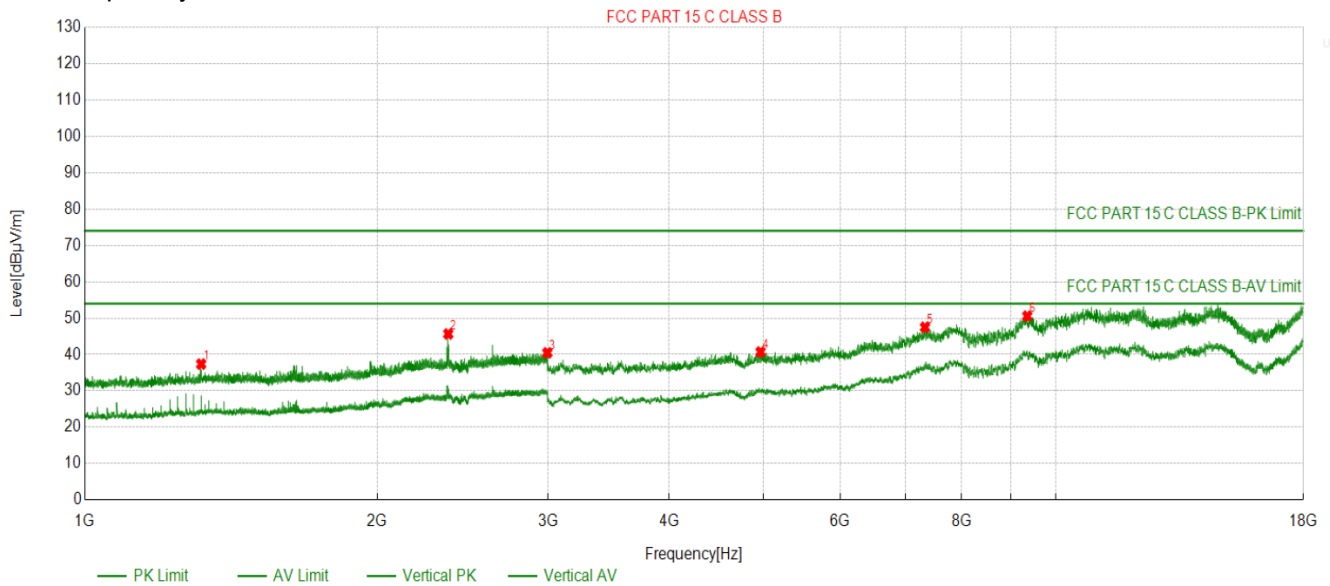
Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	PK Level [dBμV/m]	Factor [dB]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2823.982	54.41	41.15	-13.26	74.00	32.85	150	171	Horizontal
2	3565.557	53.36	38.85	-14.51	74.00	35.15	150	53	Horizontal
3	4978.698	51.31	41.04	-10.27	74.00	32.96	150	302	Horizontal
4	6466.847	51.01	43.78	-7.23	74.00	30.22	150	30	Horizontal
5	7878.488	51.32	48.72	-2.60	74.00	25.28	150	248	Horizontal
6	9500.150	50.54	50.89	0.35	74.00	23.11	150	24	Horizontal

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level



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Antenna polarity: Vertical

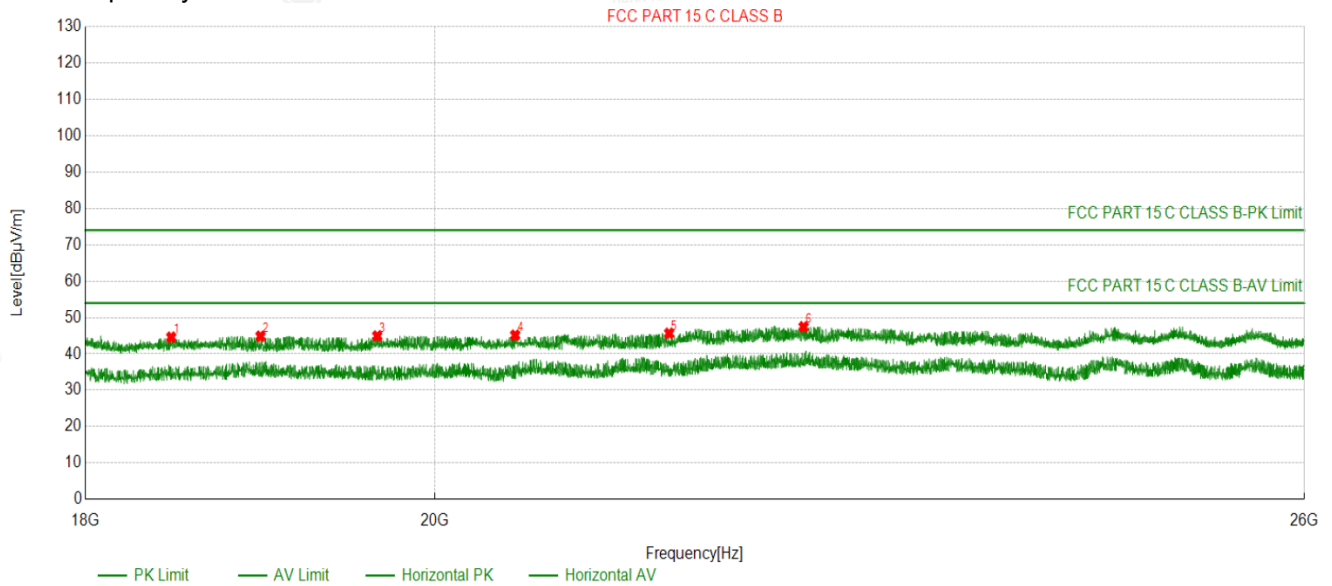


Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	PK Level [dBμV/m]	Factor [dB]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1317.632	56.05	37.38	-18.67	74.00	36.62	150	237	Vertical
2	2367.737	60.18	45.67	-14.51	74.00	28.33	150	66	Vertical
3	2995.200	53.12	40.46	-12.66	74.00	33.54	150	337	Vertical
4	4966.697	51.02	40.71	-10.31	74.00	33.29	150	85	Vertical
5	7335.434	51.17	47.48	-3.69	74.00	26.52	150	287	Vertical
6	9348.635	50.73	50.57	-0.16	74.00	23.43	150	79	Vertical

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level

For 18GHz to 26GHz

Antenna polarity: Horizontal



Suspected Data List

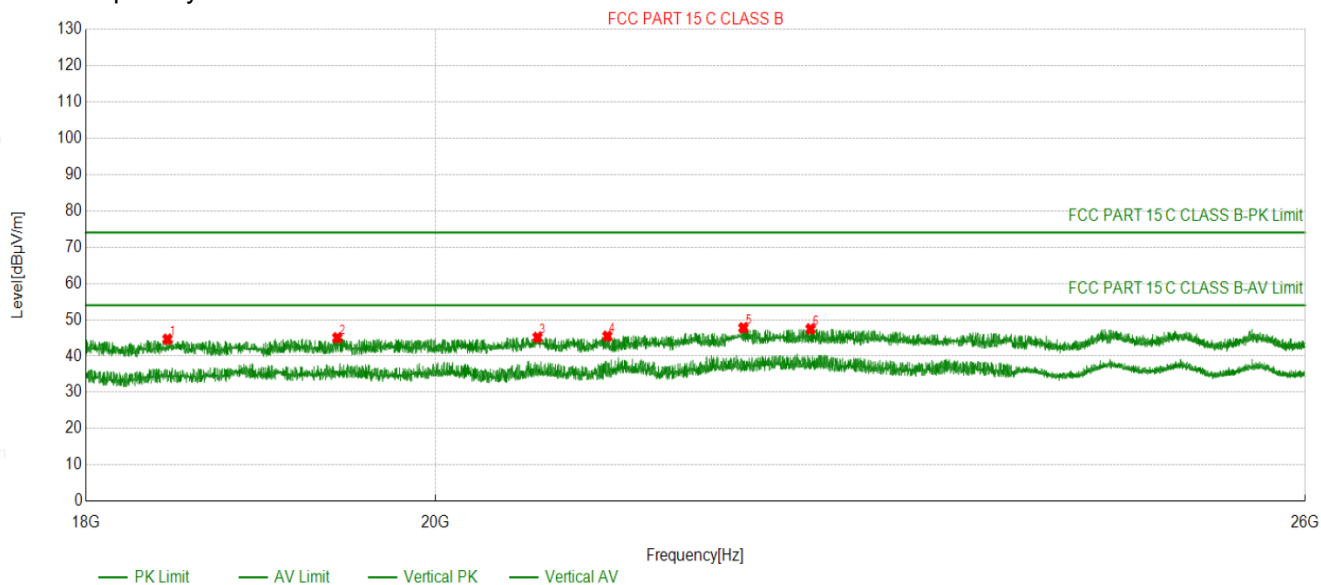
NO.	Freq. [MHz]	Reading [dBμV/m]	PK Level [dBμV/m]	Factor [dB]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	18472.847	39.21	44.58	5.37	74.00	29.42	150	220	Horizontal
2	18976.898	39.19	44.85	5.66	74.00	29.15	150	360	Horizontal
3	19656.966	38.81	44.91	6.10	74.00	29.09	150	50	Horizontal
4	20492.249	39.15	45.14	5.99	74.00	28.86	150	130	Horizontal
5	21465.947	40.35	45.65	5.30	74.00	28.35	150	270	Horizontal
6	22354.835	41.73	47.43	5.70	74.00	26.57	150	160	Horizontal

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level



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Antenna polarity: Vertical



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	PK Level [dBμV/m]	Factor [dB]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	18448.845	39.21	44.62	5.41	74.00	29.38	150	350	Vertical
2	19418.542	38.96	45.02	6.06	74.00	28.98	150	290	Vertical
3	20626.663	39.28	45.13	5.85	74.00	28.87	150	310	Vertical
4	21065.907	40.12	45.45	5.33	74.00	28.55	150	350	Vertical
5	21947.595	42.05	47.75	5.70	74.00	26.25	150	250	Vertical
6	22397.240	41.78	47.46	5.68	74.00	26.54	150	220	Vertical

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level



3.3. Maximum Peak Conducted Output Power

Limit

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125mW. The system shall hop to channel frequencies that are selected at the system hopping rate from a pseudo randomly ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.

Test Procedure

Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the power sensor.

Test Configuration



Test Results

Type	Channel	Maximum Peak Conducted Output Power (dBm)	Limit (dBm)	Result
GFSK	CH00	3.98	21.00	Pass
	CH39	3.40		
	CH78	2.79		
$\pi/4$ DQPSK	CH00	4.30	21.00	Pass
	CH39	3.57		
	CH78	2.99		

Note: The test results including the cable loss.



3.4. 20dB Bandwidth

Limit

For frequency hopping systems operating in the 2400MHz-2483.5MHz no limit for 20dB bandwidth.

Test Procedure

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 30 KHz RBW and 100 KHz VBW.

The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20dB.

The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission. The following procedure shall be used for measuring 99% power bandwidth:

RBW=1% to 5% of the OBW

VBW=approximately 3 X RBW

Detector=Peak

Trace Mode: Max Hold

Use the 99% power bandwidth function of the instrument to measure the Occupied Bandwidth and recorded.

Test Configuration



Test Results

Modulation	Channel	20dB Bandwidth (MHz)	Result
GFSK	CH00	0.951	Pass
	CH39	0.918	
	CH78	0.945	
$\pi/4$ DQPSK	CH00	1.278	
	CH39	1.284	
	CH78	1.275	

Test plot as follows:



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20dB Bandwidth:

GFSK Modulation



CH00



CH39



CH78

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 $\pi/4$ DQPSK Modulation

CH00



CH39



CH78

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