FCC Part 15C Test Report
FCC ID:2BOLI-C2048H

Applicant:	Shenzhen Wei Peng Shiji Technology Co., Ltd.
Address:	3F, #2 Dayang Electrical Plant, #4 Gongye Avenue, Tangwei Community, Fuhai Street, Bao'an District, Shenzhen City, Guangdong Province, China
Manufacturer:	Guangdong Weipeng Shiji New Energy Technology Co., Ltd.
Address:	Floor 8, Building 2, Junkai Road No. 5, Changxing Industrial Area Phase 3, Junan Commu nity, Junan Town, Shunde District, Foshan City.
EUT:	Portable Power Supply
Trade Mark:	N/A
Model Number:	PPS-C2048H
Date of Receipt:	Jan. 03, 2026
Test Date:	Jan. 03, 2026 to Jan. 14, 2026
Date of Report:	Jan. 14, 2026
Prepared By:	Shenzhen DL Testing Technology Co., Ltd.
Address:	101-201, Building C, Shuanghuan, No.8, Baoqing Roa Baolong Industrial Zone, Baolong Street, Longgang Shenzhen, Guangdong, China.
Applicable Standards:	FCC CFR Title 47 Part 15 Subpart C Section 15.247 ANSI C63.10:2020
Test Result:	Pass
Report Number:	DLE-260119008R

Prepared (Test Engineer):	Dimon Tan	Dimon Tan
Reviewer (Supervisor):	Jack Bu	Jack Bu
Approved (Manager):	Jade Yang	Jade Yang

This test report is based on a single evaluation of one sample of above mentioned products. It is not permitted to be duplicated in extracts without written approval of Shenzhen DL Testing Technology Co., Ltd.

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1.VERSION

Report No.	Version	Description	Approved
DLE-260119008R	Rev.01	Initial issue of report	Jan. 14, 2026

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part15 (15.247) , Subpart C			
Standard Section	Test Item	Judgment	Remark
FCC part 15.203/15.247 (b)(4)	Antenna requirement	PASS	
ANSI C63.10:2020	Duty cycle	PASS	
FCC part 15.207	AC Power Line Conducted Emission	PASS	
FCC part 15.247 (b)(3)	Conducted Peak Output Power	PASS	
FCC part 15.247 (a)(2)	6DB Occupied Bandwidth	PASS	
FCC part 15.247 (e)	Power Spectral Density	PASS	
FCC part 15.247(d)	Band Edge	PASS	
FCC part 15.205/15.209	Spurious Emission	PASS	

NOTE:

(1)“N/A” denotes test is not applicable in this Test Report

2.1 TEST FACILITY

Shenzhen DL Testing Technology Co., Ltd.
Add. : 101-201, Building C, Shuanghuan, No.8, Baoqing Roa Baolong Industrial Zone, Baolong Street, Longgang Shenzhen, Guangdong, China.

FCC Test Firm Registration Number: 854456
Designation Number: CN1307
IC Registered No.: 27485
CAB ID.: CN0118

2.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement y ± U, where expended 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	Uncertainty
1	3m camber Radiated spurious emission(9KHz-30MHz)	U=4.5dB
2	3m camber Radiated spurious emission(30MHz-1GHz)	U=4.8dB
3	3m chamber Radiated spurious emission(1GHz-6GHz)	U=4.9dB
4	3m chamber Radiated spurious emission(6GHz-40GHz)	U=5.0dB
5	Conducted disturbance	U=3.2dB
6	RF Band Edge	U=1.68dB
7	RF power conducted	U=1.86dB
8	RF conducted Spurious Emission	U=2.2dB
9	RF Occupied Bandwidth	U=1.8MHz
10	RF Power Spectral Density	U=1.75dB
11	humidity uncertainty	U=5.3%
12	Temperature uncertainty	U=0.59℃

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Product Name:	Portable Power Supply
Model No.:	PPS-C2048H
Serial No.:	N/A
Model Different:	N/A
Hardware Version:	N/A
Software Version:	N/A
Sample(s) Status:	Engineer sample
Operation Frequency:	2402MHz~2480MHz
Channel Numbers:	40
Channel Separation:	2MHz
Modulation Type:	GFSK
Antenna Type:	PCB antenna
Antenna gain:	3.96dBi
Power Supply:	AC Output: 100V-120V 30A Max 2500W Max 50Hz/60Hz Cigarette Lighter Output: DC12V/10A Per Port USB-A Output: DC5V/3A; DC9V/2A; DC12V/1.5A 18W Max USB-C Output: DC5V/3A; DC9V/3A; DC12V/3A; DC15V/3A; DC20V/5A; DC28V/5A 140W Max Anderson Output: 5V~80V 30A Max 1000W Max AC Input: 90V~140V 15A Max 1800W Max 50Hz/60Hz PV Input: 12V~80V MPPT: 18V~80V 30A Max 1000W Max Cigarette Lighter Input: 12V~15 8A Max Battery:DC 51.2V

Operation Frequency each of channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2402 MHz	11	2422 MHz	21	2442 MHz	31	2462 MHz
2	2404 MHz	12	2424 MHz	22	2444 MHz	32	2464 MHz
3	2406 MHz	13	2426 MHz	23	2446 MHz	33	2466 MHz
4	2408 MHz	14	2428 MHz	24	2448 MHz	34	2468 MHz
5	2410 MHz	15	2430 MHz	25	2450 MHz	35	2470 MHz
6	2412 MHz	16	2432 MHz	26	2452 MHz	36	2472 MHz
7	2414 MHz	17	2434 MHz	27	2454 MHz	37	2474 MHz
8	2416 MHz	18	2436 MHz	28	2456 MHz	38	2476 MHz
9	2418 MHz	19	2438 MHz	29	2458 MHz	39	2478 MHz
10	2420 MHz	20	2440 MHz	30	2460 MHz	40	2480 MHz

Note:
In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Channel	Frequency
The lowest channel	2402MHz
The middle channel	2440MHz
The Highest channel	2480MHz

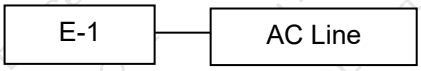
3.2 DESCRIPTION OF TEST MODES

Transmitting mode	Keep the EUT in continuously transmitting mode
Remark: During the test, the test voltage was tuned from 85% to 115% of the nominal rated supply voltage, and found that the worst case was under the nominal rated supply condition. So the report just shows that condition's data.	

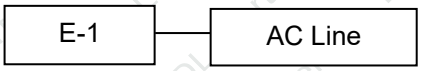
Test Software	SecureCRT
Power level setup	Default

3.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

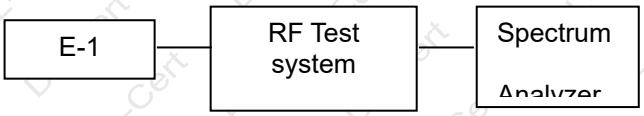
Conducted emissions



Radiated Emission



Conducted Spurious



3.4 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)

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	Mfr/Brand	Model/Type No.	Series No.	Note
E-1	Portable Power Supply	N/A	PPS-C2048H	N/A	EUT

Item	Shielded Type	Ferrite Core	Length	Note

Note:

(1) The support equipment was authorized by Declaration of Confirmation.

(2) For detachable type I/O cable should be specified the length in cm in『Length』column.

3.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation test, Band-edge test and 6db bandwidth test equipment

Item	Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
1	Spectrum Analyzer (9kHz-26.5GHz)	Agilent	E4408B	MY50140780	Oct. 25, 2025	Oct. 24, 2026
2	Test Receiver (9kHz-7GHz)	R&S	ESRP7	101393	Oct. 25, 2025	Oct. 24, 2026
3	Bilog Antenna (30MHz-1GHz)	R&S	VULB9162	00306	Oct. 25, 2025	Oct. 24, 2026
4	Horn Antenna (1GHz-18GHz)	Schwarzbeck	BBHA9120D	02139	Oct. 25, 2025	Oct. 24, 2026
5	Horn Antenna (18GHz-40GHz)	A.H. Systems	SAS-574	588	Oct. 25, 2025	Oct. 24, 2026
6	Amplifier (9KHz-6GHz)	Schwarzbeck	BBV9743B	00153	Oct. 25, 2025	Oct. 24, 2026
7	Amplifier (1GHz-18GHz)	EMEC	EM01G8GA	00270	Oct. 25, 2025	Oct. 24, 2026
8	Amplifier (18GHz-40GHz)	Quanjuda	DLE-161	97	Oct. 25, 2025	Oct. 24, 2026
9	Loop Antenna (9KHz-30MHz)	Schwarzbeck	FMZB1519B	00014	Oct. 25, 2025	Oct. 24, 2026
10	RF cables1 (9kHz-1GHz)	ChengYu	966	004	Oct. 25, 2025	Oct. 24, 2026
11	RF cables2 (1GHz-40GHz)	ChengYu	966	003	Oct. 25, 2025	Oct. 24, 2026
12	Antenna connector	Florida RF Labs	N/A	RF 01#	Oct. 25, 2025	Oct. 24, 2026
13	Power probe	KEYSIGHT	U2021XA	MY55210018	Oct. 25, 2025	Oct. 24, 2026
14	Signal Analyzer 9kHz-26.5GHz	Agilent	N9020A	MY55370280	Oct. 25, 2025	Oct. 24, 2026
15	Test Receiver 20kHz-40GHz	R&S	ESU 40	100376	Oct. 25, 2025	Oct. 24, 2026
16	D.C. Power Supply	LongWei	PS-305D	010964729	Oct. 25, 2025	Oct. 24, 2026
17	Power meter	KEYSIGHT	N1912AP	926431	Oct. 25, 2025	Oct. 24, 2026

Conduction Test equipment

Item	Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
1	843 Shielded Room	ChengYu	843 Room	843	Nov. 05, 2023	Nov. 04, 2026
2	EMI Receiver	R&S	ESR	101421	Oct. 25, 2025	Oct. 24, 2026
3	LISN	R&S	ENV216	102417	Oct. 25, 2025	Oct. 24, 2026
4	843 Cable 1#	ChengYu	CE Cable	001	Oct. 25, 2025	Oct. 24, 2026

Other

Item	Name	Manufacturer	Model	Software version
1	EMC Conduction Test System	FALA	EZ_EMC	EMC-CON 3A1.1
2	EMC radiation test system	FALA	EZ_EMC	FA-03A2
3	RF test system	MAIWEI	MTS8310	2.0.0.0
4	RF communication test system	MAIWEI	MTS8200	2.0.0.0

4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

Test Requirement:	FCC Part15 C Section 15.207
Test Method:	ANSI C63.10:2020
Test Frequency Range:	150KHz to 30MHz
Receiver setup:	RBW=9KHz, VBW=30KHz, Sweep time=auto

4.1.1 POWER LINE CONDUCTED EMISSION Limits

FREQUENCY (MHz)	Limit (dBuV)		Standard
	Quas -peak	Average	
0.15 -0.5	66 - 56 *	56 - 46 *	FCC
0.50 -5.0	56.00	46.00	FCC
5.0 -30.0	60.00	50.00	FCC

Note:

(1) *Decreases with the logarithm of the frequency.

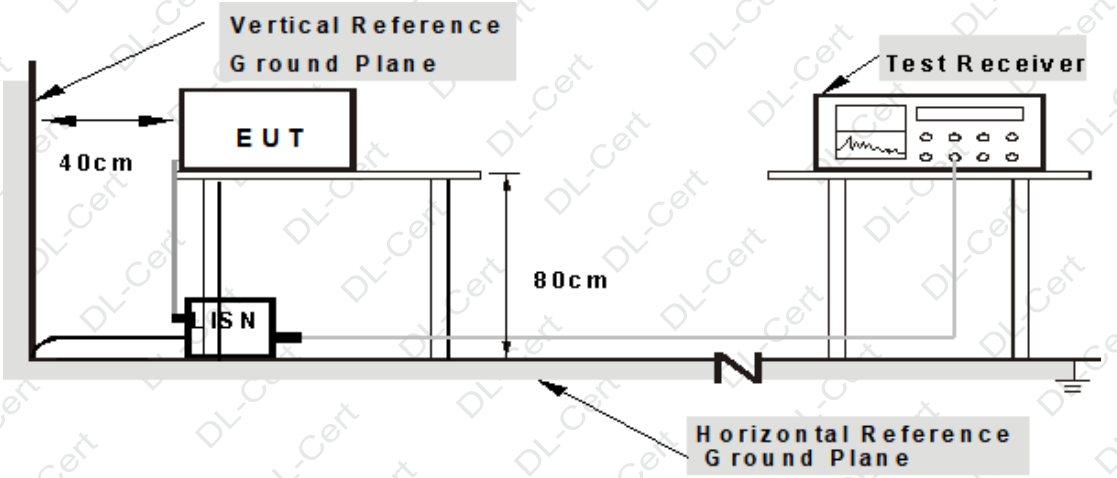
4.1.2 TEST PROCEDURE

a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
d. LISN at least 80 cm from nearest part of EUT chassis.
e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.1.3 DEVIATION FROM TEST STANDARD

No deviation

4.1.4 TEST SETUP



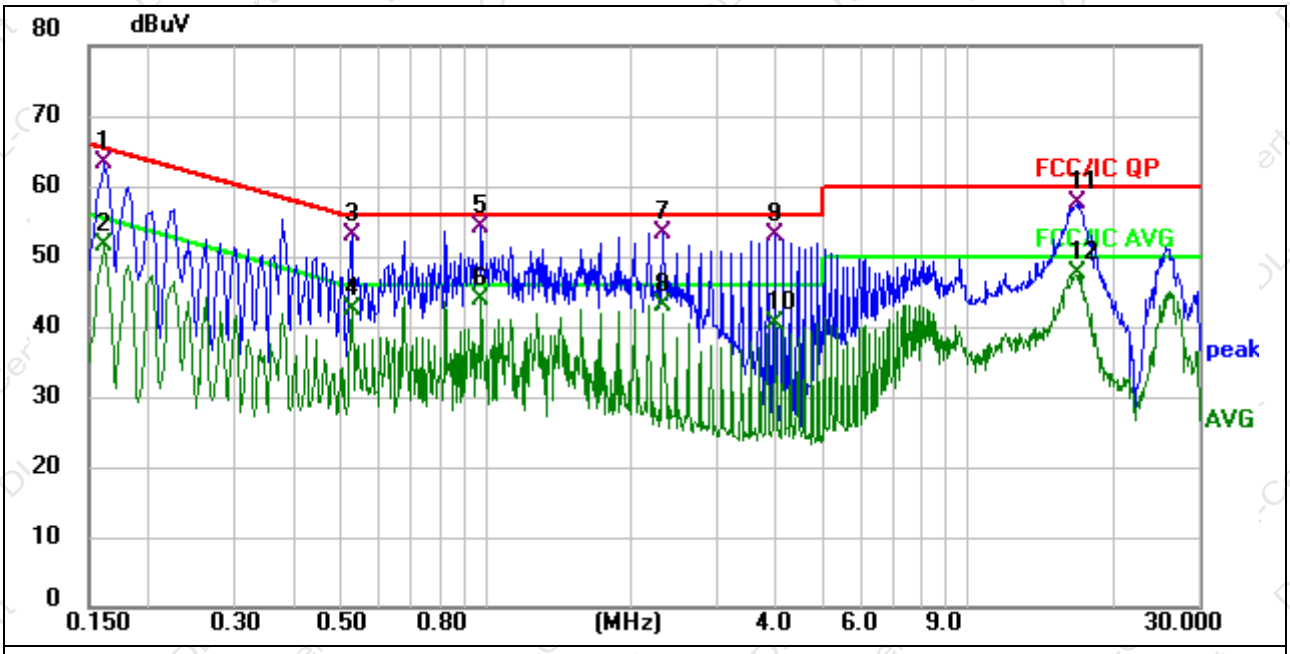
Note: 1.Support units were connected to second LISN.
2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

4.1.5 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

TEST RESULT

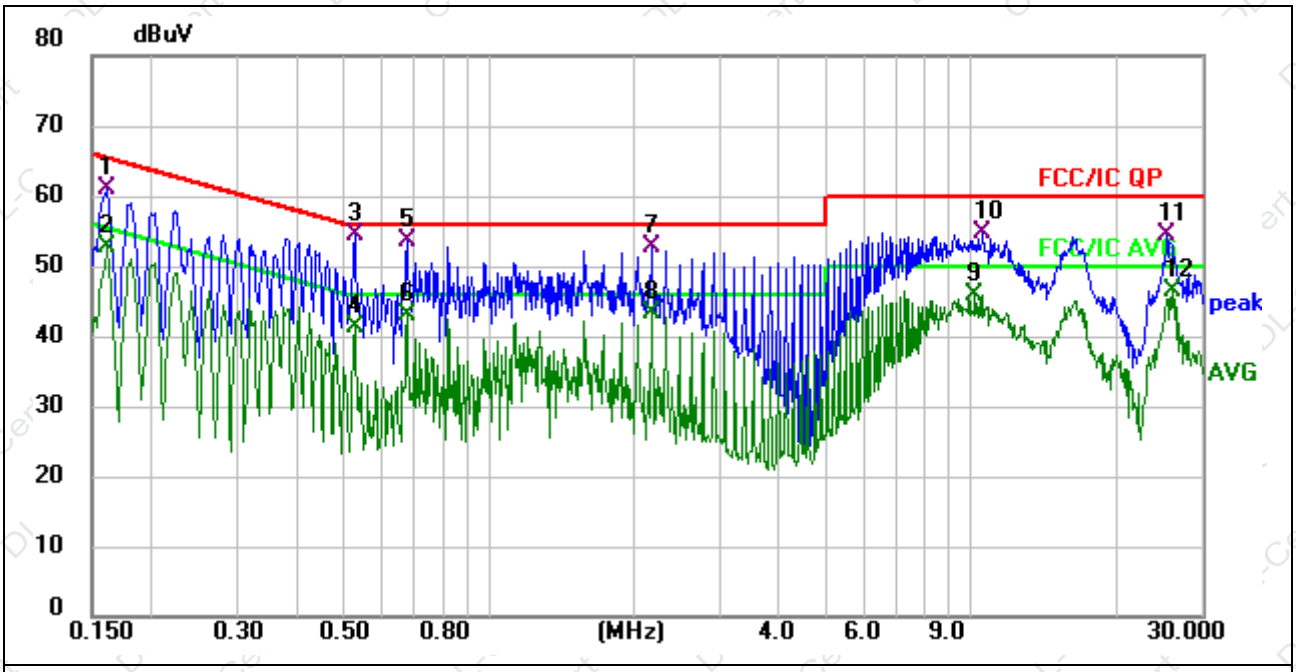
Temperature :	26℃	Relative Humidity:	54%
Pressure :	101kPa	Phase :	L
Test Voltage :	AC 120V/60Hz	Test Mode:	Charging +TX GFSK - 2402MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1620	53.70	9.65	63.35	65.36	-2.01	QP	P
2	0.1620	41.90	9.65	51.55	55.36	-3.81	AVG	P
3	0.5260	43.37	9.66	53.03	56.00	-2.97	QP	P
4	0.5260	32.86	9.66	42.52	46.00	-3.48	AVG	P
5 *	0.9780	44.58	9.67	54.25	56.00	-1.75	QP	P
6	0.9780	34.06	9.67	43.73	46.00	-2.27	AVG	P
7	2.3300	43.64	9.69	53.33	56.00	-2.67	QP	P
8	2.3300	33.31	9.69	43.00	46.00	-3.00	AVG	P
9	3.9860	43.38	9.73	53.11	56.00	-2.89	QP	P
10	3.9860	30.67	9.73	40.40	46.00	-5.60	AVG	P
11	16.7580	47.54	9.90	57.44	60.00	-2.56	QP	P
12	16.7580	37.70	9.90	47.60	50.00	-2.40	AVG	P

Notes:
1.An initial pre-scan was performed on the line and neutral lines with peak detector.
2.Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
3.Mesurement Level = Reading level + Correct Factor
4.The test data shows only the worst case Charging +TX GFSK - 2402MHz.

Temperature :	26℃	Relative Humidity:	54%
Pressure :	101kPa	Phase :	N
Test Voltage :	AC 120V/60Hz	Test Mode:	Charging +TX GFSK - 2402MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1620	51.31	9.65	60.96	65.36	-4.40	QP	P
2	0.1620	43.02	9.65	52.67	55.36	-2.69	AVG	P
3 *	0.5260	44.65	9.66	54.31	56.00	-1.69	QP	P
4	0.5260	31.56	9.66	41.22	46.00	-4.78	AVG	P
5	0.6780	43.80	9.66	53.46	56.00	-2.54	QP	P
6	0.6780	33.41	9.66	43.07	46.00	-2.93	AVG	P
7	2.1820	43.06	9.69	52.75	56.00	-3.25	QP	P
8	2.1820	33.46	9.69	43.15	46.00	-2.85	AVG	P
9	10.2220	35.96	9.81	45.77	50.00	-4.23	AVG	P
10	10.6180	44.88	9.82	54.70	60.00	-5.30	QP	P
11	25.5540	44.44	9.95	54.39	60.00	-5.61	QP	P
12	26.0820	36.46	9.95	46.41	50.00	-3.59	AVG	P

Notes:
1.An initial pre-scan was performed on the line and neutral lines with peak detector.
2.Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
3.Mesurement Level = Reading level + Correct Factor
4.The test data shows only the worst case Charging +TX GFSK - 2402MHz.

4.2 RADIATED EMISSION MEASUREMENT

Test Requirement:	FCC Part15 C Section 15.209
Test Method:	ANSI C63.10:2020
Test Frequency Range:	9kHz to 25GHz
Test site:	Measurement Distance: 3m
Receiver setup:	

Frequency	Detector	RBW	VBW	Value
9KHz-150KHz	Quasi-peak	200Hz	600Hz	Quasi-peak
150KHz-30MHz	Quasi-peak	9KHz	30KHz	Quasi-peak
30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak
Above 1GHz	Peak	1MHz	3MHz	Peak
	Peak	1MHz	10Hz	Average

4.2.1 RADIATED EMISSION LIMITS

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

LIMITS OF RADIATED EMISSION MEASUREMENT

FREQUENCY (MHz)	Limit (dBuV/m) (at 3M)	
	PEAK	AVERAGE
Above 1000	74	54

Notes:

(1) The limit for radiated test was performed according to FCC PART 15C.

(2) The tighter limit applies at the band edges.

(3) Emission level (dBuV/m)=20log Emission level (uV/m).

4.2.2 TEST PROCEDURE

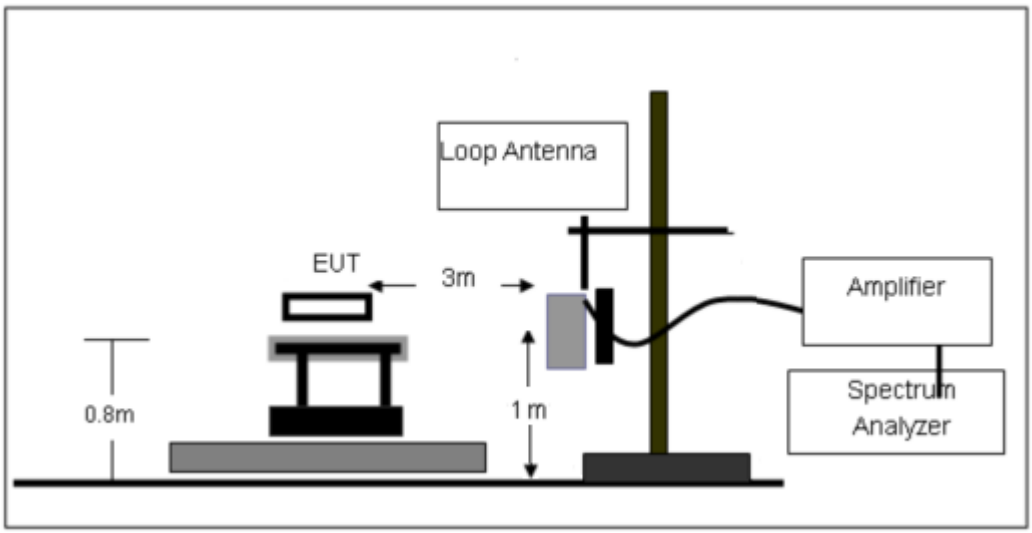
a. The measuring distance of at 3 m shall be used for measurements at frequency up to 25GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-chamber test. The table was rotated 360 degrees to determine the position of the highest radiation.
c. The height of the equipment or of the substitution antenna shall be 0.8m; above 1GHz, the height was 1.5m, the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
f. For the actual test configuration, please refer to the related Item –EUT Test Photos.
g. For the radiated emission test above 1GHz:
Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response.
The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
Note:
Both horizontal and vertical antenna polarities were tested
and performed pretest to three orthogonal axis. The worst case emissions were reported

4.2.3 DEVIATION FROM TEST STANDARD

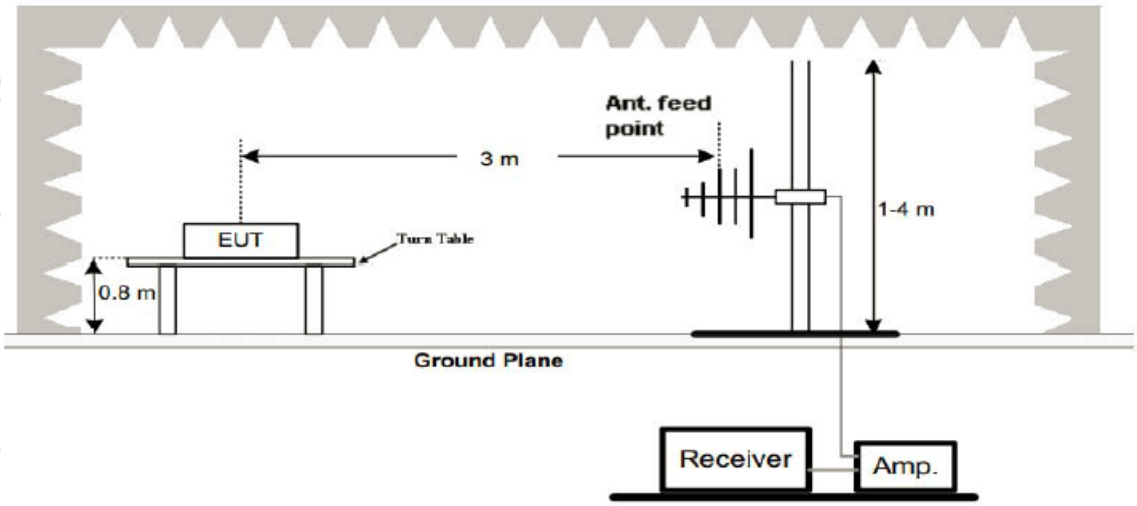
No deviation

4.2.4 TEST SETUP

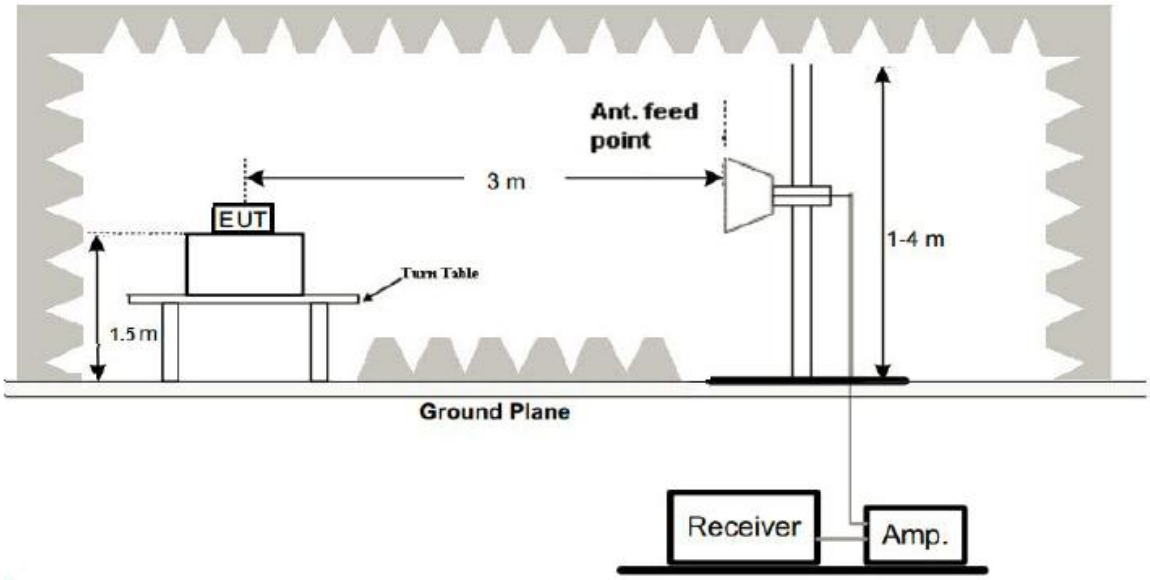
（A）Radiated Emission Test-Up Frequency Below 30MHz



（B）Radiated Emission Test-Up Frequency 30MHz~1GHz



（C）Radiated Emission Test-Up Frequency Above 1GHz



4.2.5 EUT OPERATING CONDITIONS

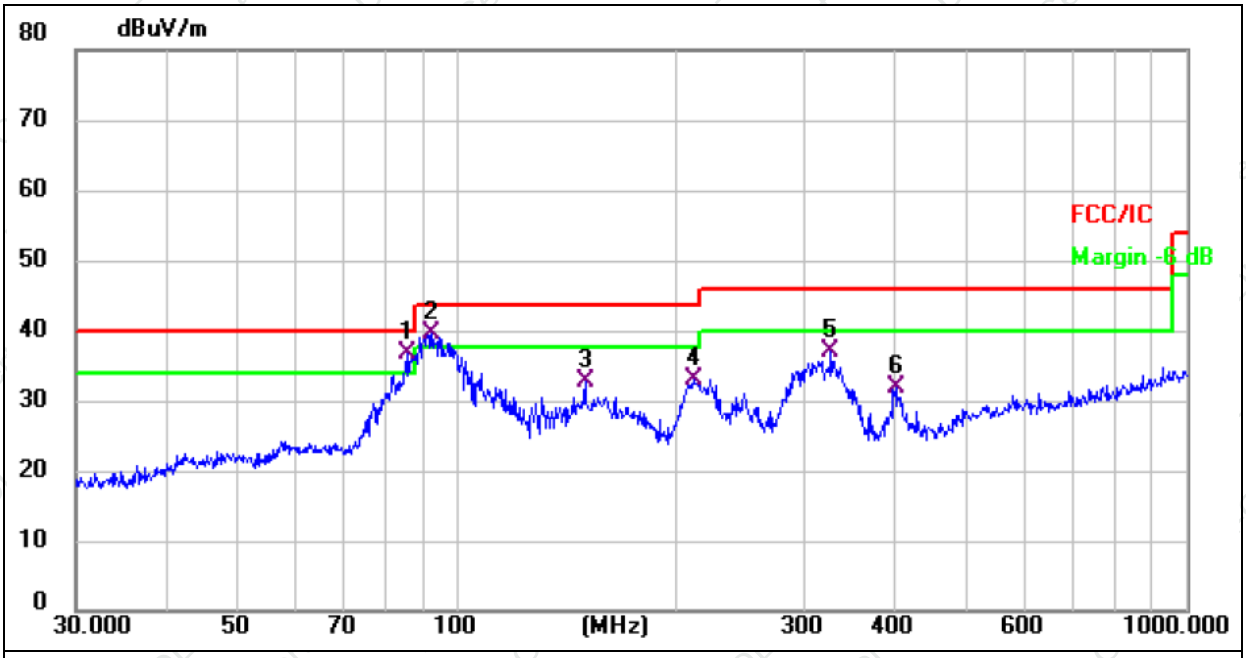
The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

4.2.6 TEST RESULTS (Between 9KHz – 30 MHz)

The emission from 9 kHz to 30MHz was pre-tested and found the result was 20dB lower than the limit, and according to 15.31(o) & RSS-Gen 6.13, the test result no need to reported.

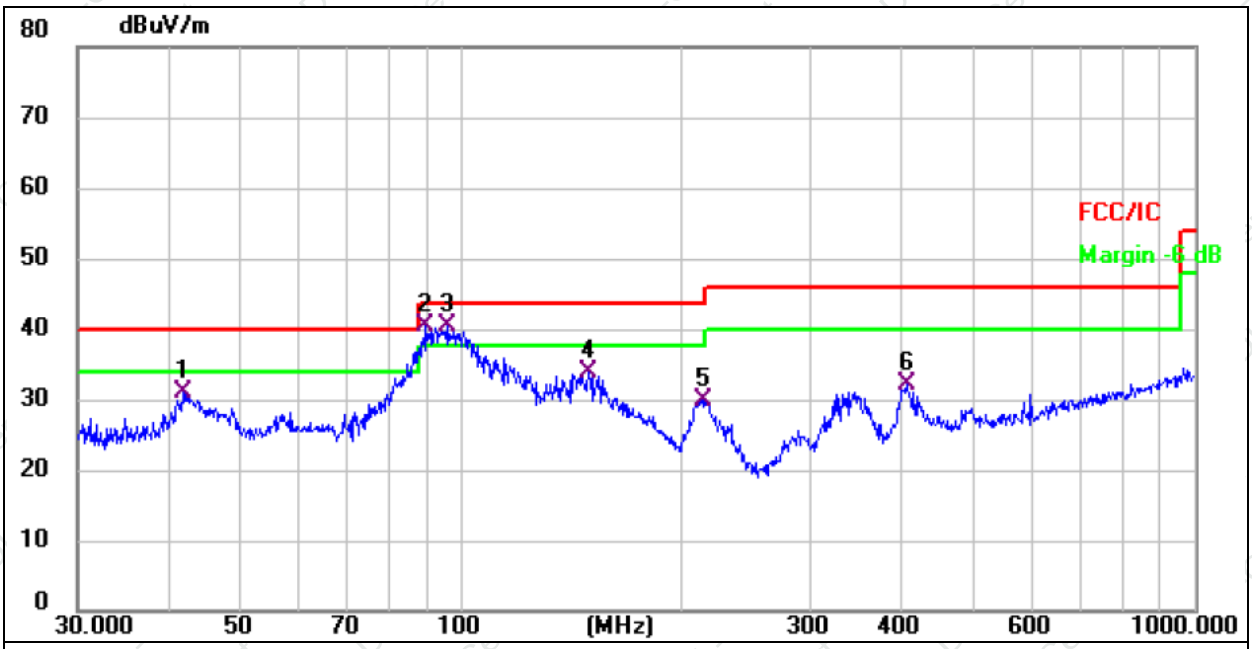
Between 30MHz – 1GHz

Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	AC120V/60Hz	Test Mode:	Charging +TX GFSK - 2402MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	85.2980	50.60	-13.98	36.62	40.00	-3.38	QP
2 !	92.1388	53.35	-13.75	39.60	43.50	-3.90	QP
3	150.0108	41.37	-8.78	32.59	43.50	-10.91	QP
4	210.7860	43.74	-10.71	33.03	43.50	-10.47	QP
5	325.5958	44.55	-7.59	36.96	46.00	-9.04	QP
6	400.4319	38.58	-6.67	31.91	46.00	-14.09	QP

Temperature:	26℃	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	AC120V/60Hz	Test Mode:	Charging +TX GFSK - 2402MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	41.7129	42.01	-10.90	31.11	40.00	-8.89	QP
2 !	89.5899	54.32	-13.98	40.34	43.50	-3.16	QP
3 *	96.0985	53.70	-13.29	40.41	43.50	-3.09	QP
4	149.4857	42.65	-8.81	33.84	43.50	-9.66	QP
5	213.7634	40.57	-10.60	29.97	43.50	-13.53	QP
6	404.6665	38.76	-6.53	32.23	46.00	-13.77	QP

Remarks:
1.Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2.The emission levels of other frequencies are very lower than the limit and not show in test report.
3.The test data shows only the worst case TX - 2402MHz.

1GHz~25GHz

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
BLE 1M Low Channel:2402MHz									
V	4804.00	53.50	30.55	5.77	24.66	53.38	74.00	-20.62	Pk
V	4804.00	43.76	30.55	5.77	24.66	43.64	54.00	-10.36	AV
V	7206.00	53.82	30.33	6.32	24.55	54.36	74.00	-19.64	Pk
V	7206.00	43.75	30.33	6.32	24.55	44.29	54.00	-9.71	AV
V	9608.00	51.42	30.85	7.45	24.69	52.71	74.00	-21.29	Pk
V	9608.00	43.26	30.85	7.45	24.69	44.55	54.00	-9.45	AV
V	12010.00	50.58	31.02	8.99	25.57	54.12	74.00	-19.88	Pk
V	12010.00	43.80	31.02	8.99	25.57	47.34	54.00	-6.66	AV
H	4804.00	51.43	30.55	5.77	24.66	51.31	74.00	-22.69	Pk
H	4804.00	43.07	30.55	5.77	24.66	42.95	54.00	-11.05	AV
H	7206.00	54.91	30.33	6.32	24.55	55.45	74.00	-18.55	Pk
H	7206.00	43.78	30.33	6.32	24.55	44.32	54.00	-9.68	AV
H	9608.00	54.00	30.85	7.45	24.69	55.29	74.00	-18.71	Pk
H	9608.00	43.38	30.85	7.45	24.69	44.67	54.00	-9.33	AV
H	12010.00	52.79	31.02	8.99	25.57	56.33	74.00	-17.67	Pk
H	12010.00	43.94	31.02	8.99	25.57	47.48	54.00	-6.52	AV

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
BLE 1M Middle Channel:2440MHz									
V	4880.00	53.91	30.55	5.77	24.66	53.79	74.00	-20.21	PK
V	4880.00	43.37	30.55	5.77	24.66	43.25	54.00	-10.75	AV
V	7320.00	53.08	30.33	6.32	24.55	53.62	74.00	-20.38	PK
V	7320.00	43.42	30.33	6.32	24.55	43.96	54.00	-10.04	AV
V	9760.00	52.29	30.85	7.45	24.69	53.58	74.00	-20.42	PK
V	9760.00	44.00	30.85	7.45	24.69	45.29	54.00	-8.71	AV
V	12200.00	51.81	31.02	8.99	25.57	55.35	74.00	-18.65	PK
V	12200.00	43.38	31.02	8.99	25.57	46.92	54.00	-7.08	AV
H	4880.00	52.47	30.55	5.77	24.66	52.35	74.00	-21.65	PK
H	4880.00	43.91	30.55	5.77	24.66	43.79	54.00	-10.21	AV
H	7320.00	54.80	30.33	6.32	24.55	55.34	74.00	-18.66	PK
H	7320.00	43.83	30.33	6.32	24.55	44.37	54.00	-9.63	AV
H	9760.00	51.96	30.85	7.45	24.69	53.25	74.00	-20.75	PK
H	9760.00	43.53	30.85	7.45	24.69	44.82	54.00	-9.18	AV
H	12200.00	54.49	31.02	8.99	25.57	58.03	74.00	-15.97	PK
H	12200.00	43.25	31.02	8.99	25.57	46.79	54.00	-7.21	AV

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
BLE 1M High Channel:2480MHz									
V	4960.00	54.02	30.55	5.77	24.66	53.90	74.00	-20.10	PK
V	4960.00	43.57	30.55	5.77	24.66	43.45	54.00	-10.55	AV
V	7440.00	54.88	30.33	6.32	24.55	55.42	74.00	-18.58	PK
V	7440.00	43.59	30.33	6.32	24.55	44.13	54.00	-9.87	AV
V	9920.00	52.13	30.85	7.45	24.69	53.42	74.00	-20.58	PK
V	9920.00	43.11	30.85	7.45	24.69	44.40	54.00	-9.60	AV
V	12400.00	50.14	31.02	8.99	25.57	53.68	74.00	-20.32	PK
V	12400.00	43.94	31.02	8.99	25.57	47.48	54.00	-6.52	AV
H	4960.00	51.75	30.55	5.77	24.66	51.63	74.00	-22.37	PK
H	4960.00	43.48	30.55	5.77	24.66	43.36	54.00	-10.64	AV
H	7440.00	51.88	30.33	6.32	24.55	52.42	74.00	-21.58	PK
H	7440.00	43.99	30.33	6.32	24.55	44.53	54.00	-9.47	AV
H	9920.00	52.08	30.85	7.45	24.69	53.37	74.00	-20.63	PK
H	9920.00	43.98	30.85	7.45	24.69	45.27	54.00	-8.73	AV
H	12400.00	53.12	31.02	8.99	25.57	56.66	74.00	-17.34	PK
H	12400.00	43.11	31.02	8.99	25.57	46.65	54.00	-7.35	AV

Remark:
1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,
Margin= Emission Level - Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

1GHz~25GHz

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
BLE 2M Low Channel:2402MHz									
V	4804.00	52.21	30.55	5.77	24.66	52.09	74.00	-21.91	Pk
V	4804.00	43.98	30.55	5.77	24.66	43.86	54.00	-10.14	AV
V	7206.00	51.72	30.33	6.32	24.55	52.26	74.00	-21.74	Pk
V	7206.00	43.93	30.33	6.32	24.55	44.47	54.00	-9.53	AV
V	9608.00	53.70	30.85	7.45	24.69	54.99	74.00	-19.01	Pk
V	9608.00	43.70	30.85	7.45	24.69	44.99	54.00	-9.01	AV
V	12010.00	54.74	31.02	8.99	25.57	58.28	74.00	-15.72	Pk
V	12010.00	43.94	31.02	8.99	25.57	47.48	54.00	-6.52	AV
H	4804.00	51.51	30.55	5.77	24.66	51.39	74.00	-22.61	Pk
H	4804.00	43.23	30.55	5.77	24.66	43.11	54.00	-10.89	AV
H	7206.00	50.77	30.33	6.32	24.55	51.31	74.00	-22.69	Pk
H	7206.00	43.50	30.33	6.32	24.55	44.04	54.00	-9.96	AV
H	9608.00	50.67	30.85	7.45	24.69	51.96	74.00	-22.04	Pk
H	9608.00	43.12	30.85	7.45	24.69	44.41	54.00	-9.59	AV
H	12010.00	51.14	31.02	8.99	25.57	54.68	74.00	-19.32	Pk
H	12010.00	43.76	31.02	8.99	25.57	47.30	54.00	-6.70	AV

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
BLE 2M Middle Channel:2440MHz									
V	4880.00	50.64	30.55	5.77	24.66	50.52	74.00	-23.48	PK
V	4880.00	43.51	30.55	5.77	24.66	43.39	54.00	-10.61	AV
V	7320.00	51.01	30.33	6.32	24.55	51.55	74.00	-22.45	PK
V	7320.00	43.34	30.33	6.32	24.55	43.88	54.00	-10.12	AV
V	9760.00	51.22	30.85	7.45	24.69	52.51	74.00	-21.49	PK
V	9760.00	43.34	30.85	7.45	24.69	44.63	54.00	-9.37	AV
V	12200.00	53.81	31.02	8.99	25.57	57.35	74.00	-16.65	PK
V	12200.00	43.96	31.02	8.99	25.57	47.50	54.00	-6.50	AV
H	4880.00	54.78	30.55	5.77	24.66	54.66	74.00	-19.34	PK
H	4880.00	43.22	30.55	5.77	24.66	43.10	54.00	-10.90	AV
H	7320.00	53.97	30.33	6.32	24.55	54.51	74.00	-19.49	PK
H	7320.00	43.33	30.33	6.32	24.55	43.87	54.00	-10.13	AV
H	9760.00	51.32	30.85	7.45	24.69	52.61	74.00	-21.39	PK
H	9760.00	43.87	30.85	7.45	24.69	45.16	54.00	-8.84	AV
H	12200.00	52.80	31.02	8.99	25.57	56.34	74.00	-17.66	PK
H	12200.00	43.33	31.02	8.99	25.57	46.87	54.00	-7.13	AV

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
BLE 2M High Channel:2480MHz									
V	4960.00	52.67	30.55	5.77	24.66	52.55	74.00	-21.45	PK
V	4960.00	43.29	30.55	5.77	24.66	43.17	54.00	-10.83	AV
V	7440.00	51.31	30.33	6.32	24.55	51.85	74.00	-22.15	PK
V	7440.00	43.10	30.33	6.32	24.55	43.64	54.00	-10.36	AV
V	9920.00	53.21	30.85	7.45	24.69	54.50	74.00	-19.50	PK
V	9920.00	43.13	30.85	7.45	24.69	44.42	54.00	-9.58	AV
V	12400.00	50.41	31.02	8.99	25.57	53.95	74.00	-20.05	PK
V	12400.00	43.02	31.02	8.99	25.57	46.56	54.00	-7.44	AV
H	4960.00	52.61	30.55	5.77	24.66	52.49	74.00	-21.51	PK
H	4960.00	43.25	30.55	5.77	24.66	43.13	54.00	-10.87	AV
H	7440.00	53.23	30.33	6.32	24.55	53.77	74.00	-20.23	PK
H	7440.00	43.48	30.33	6.32	24.55	44.02	54.00	-9.98	AV
H	9920.00	53.58	30.85	7.45	24.69	54.87	74.00	-19.13	PK
H	9920.00	43.64	30.85	7.45	24.69	44.93	54.00	-9.07	AV
H	12400.00	50.33	31.02	8.99	25.57	53.87	74.00	-20.13	PK
H	12400.00	43.43	31.02	8.99	25.57	46.97	54.00	-7.03	AV

Remark:
1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,
Margin= Emission Level - Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

5.RADIATED BAND EMISSION MEASUREMENT

5.1 TEST REQUIREMENT:

Test Requirement:	FCC Part15 C Section 15.209 and 15.205
Test Method:	ANSI C63.10:2020
Test Frequency Range:	All of the restrict bands were tested, only the worst band's (2390MHz to 2500MHz) data was showed.
Test site:	Measurement Distance: 3m
Receiver setup:	

Frequency	Detector	RBW	VBW	Value
Above 1GHz	Peak	1MHz	3MHz	Peak
	Average	1MHz	3MHz	Average

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

FREQUENCY (MHz)	Limit (dBuV/m) (at 3M)	
	PEAK	AVERAGE
Above 1000	74	54

Notes:

(1) The limit for radiated test was performed according to FCC PART 15C.

(2) The tighter limit applies at the band edges.

(3) Emission level (dBuV/m)=20log Emission level (uV/m).

5.2 TEST PROCEDURE

Above 1GHz test procedure as below:

a. 1. The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

g. Test the EUT in the lowest channel,the Highest channel

Note:

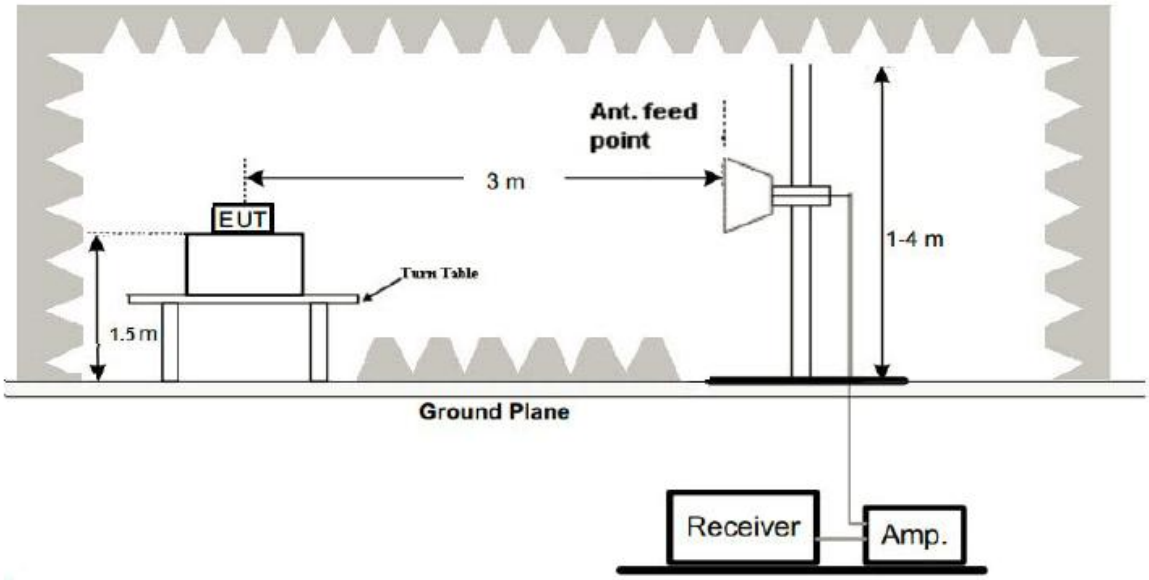
Both horizontal and vertical antenna polarities were tested
and performed pretest to three orthogonal axis. The worst case emissions were reported

5.3 DEVIATION FROM TEST STANDARD

No deviation

5.4 TEST SETUP

Radiated Emission Test-Up Frequency Above 1GHz



5.5 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

5.6 TEST RESULT

	Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission level (dBuV/m)	Limit (dBu V/m)	Margin (dB)	Detector Type	Result
GFSK 1M	Low Channel: 2402MHz										
	H	2390.00	53.63	30.22	4.85	23.98	52.24	74.00	-21.76	PK	PASS
	H	2390.00	44.57	30.22	4.85	23.98	43.18	54.00	-10.82	AV	PASS
	V	2400.00	54.19	30.22	4.85	23.98	52.80	74.00	-21.20	PK	PASS
	V	2400.00	44.38	30.22	4.85	23.98	42.99	54.00	-11.01	AV	PASS
	V	2390.00	53.53	30.22	4.85	23.98	52.14	74.00	-21.86	PK	PASS
	V	2390.00	44.63	30.22	4.85	23.98	43.24	54.00	-10.76	AV	PASS
	V	2400.00	54.89	30.22	4.85	23.98	53.50	74.00	-20.50	PK	PASS
	V	2400.00	44.91	30.22	4.85	23.98	43.52	54.00	-10.48	AV	PASS
	High Channel: 2480MHz										
	H	2483.50	54.34	30.22	4.85	23.98	52.95	74.00	-21.05	PK	PASS
	H	2483.50	44.39	30.22	4.85	23.98	43.00	54.00	-11.00	AV	PASS
	H	2500.00	53.08	30.22	4.85	23.98	51.69	74.00	-22.31	PK	PASS
	H	2500.00	44.94	30.22	4.85	23.98	43.55	54.00	-10.45	AV	PASS
	V	2483.50	53.09	30.22	4.85	23.98	51.70	74.00	-22.30	PK	PASS
	V	2483.50	44.22	30.22	4.85	23.98	42.83	54.00	-11.17	AV	PASS
	V	2500.00	53.33	30.22	4.85	23.98	51.94	74.00	-22.06	PK	PASS
	V	2500.00	44.64	30.22	4.85	23.98	43.25	54.00	-10.75	AV	PASS
GFSK 2M	Low Channel: 2402MHz										
	H	2390.00	53.92	30.22	4.85	23.98	52.53	74.00	-21.47	PK	PASS
	H	2390.00	44.50	30.22	4.85	23.98	43.11	54.00	-10.89	AV	PASS
	V	2400.00	53.94	30.22	4.85	23.98	52.55	74.00	-21.45	PK	PASS
	V	2400.00	44.34	30.22	4.85	23.98	42.95	54.00	-11.05	AV	PASS
	V	2390.00	54.59	30.22	4.85	23.98	53.20	74.00	-20.80	PK	PASS
	V	2390.00	44.03	30.22	4.85	23.98	42.64	54.00	-11.36	AV	PASS
	V	2400.00	53.21	30.22	4.85	23.98	51.82	74.00	-22.18	PK	PASS
	V	2400.00	44.52	30.22	4.85	23.98	43.13	54.00	-10.87	AV	PASS
	High Channel: 2480MHz										
	H	2483.50	53.31	30.22	4.85	23.98	51.92	74.00	-22.08	PK	PASS
	H	2483.50	44.33	30.22	4.85	23.98	42.94	54.00	-11.06	AV	PASS
	H	2500.00	53.22	30.22	4.85	23.98	51.83	74.00	-22.17	PK	PASS
	H	2500.00	44.77	30.22	4.85	23.98	43.38	54.00	-10.62	AV	PASS
	V	2483.50	53.61	30.22	4.85	23.98	52.22	74.00	-21.78	PK	PASS
	V	2483.50	44.43	30.22	4.85	23.98	43.04	54.00	-10.96	AV	PASS
	V	2500.00	53.79	30.22	4.85	23.98	52.40	74.00	-21.60	PK	PASS
	V	2500.00	44.87	30.22	4.85	23.98	43.48	54.00	-10.52	AV	PASS

Remark:
1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit

6.POWER SPECTRAL DENSITY TEST

Test Requirement:	FCC Part15 C Section 15.247 (e)
Test Method:	KDB558074 D0115.247 Meas Guidance v05r02

6.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247	Power Spectral Density	8dBm/3kHz	2400-2483.5	PASS

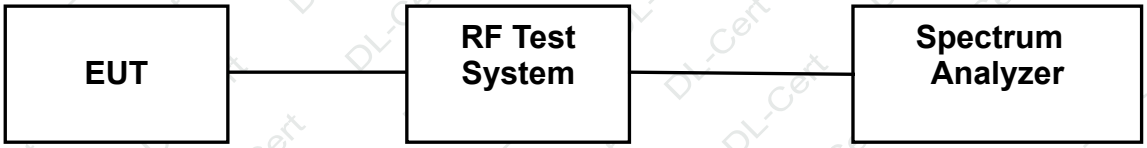
6.2 TEST PROCEDURE

1. Set analyzer center frequency to DTS channel center frequency.
2. Set the span to 1.5 times the DTS bandwidth.
3. Set the RBW to: 3 kHz ≤ RBW ≤ 100 kHz.
4. Set the VBW ≥ 3 x RBW.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum amplitude level within the RBW.
10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

6.3 DEVIATION FROM STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATION CONDITIONS

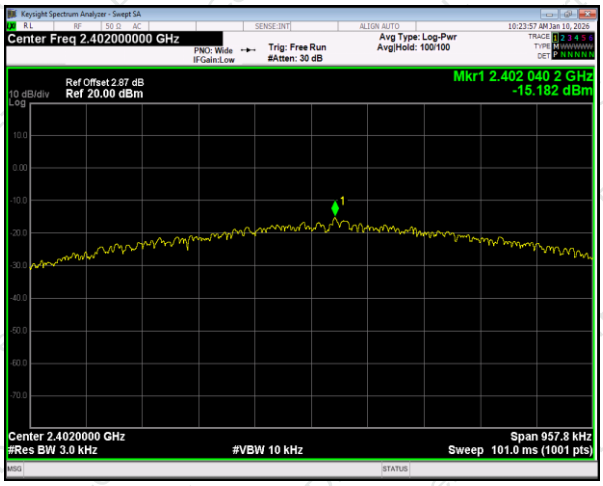
The EUT tested system was configured as the statements of 6.4 Unless otherwise a special operating condition is specified in the follows during the testing.

6.6 TEST RESULT

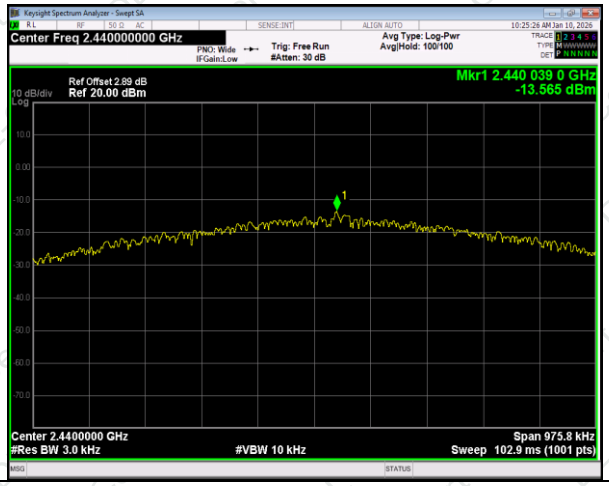
Temperature :	26℃	Relative Humidity :	54%
Test Mode :	GFSK 1M	Test Voltage :	DC 51.2V

Frequency	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
2402 MHz	-15.18	8	PASS
2440 MHz	-13.57	8	PASS
2480 MHz	-13.72	8	PASS

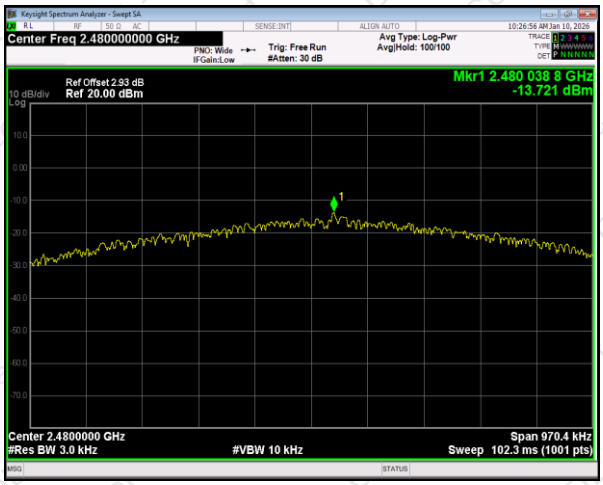
CH01



CH20



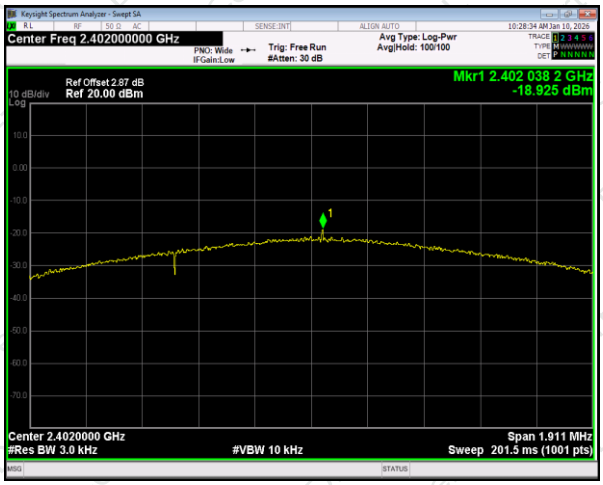
CH40



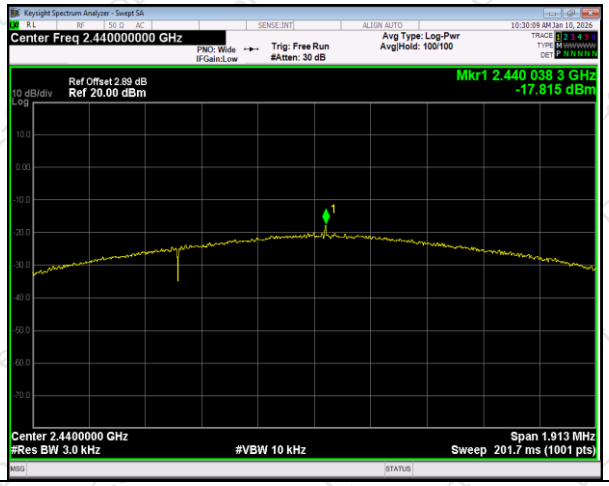
Temperature :	26℃	Relative Humidity :	54%
Test Mode :	GFSK 2M	Test Voltage :	DC 51.2V

Frequency	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
2402 MHz	-18.93	8	PASS
2440 MHz	-17.82	8	PASS
2480 MHz	-17.84	8	PASS

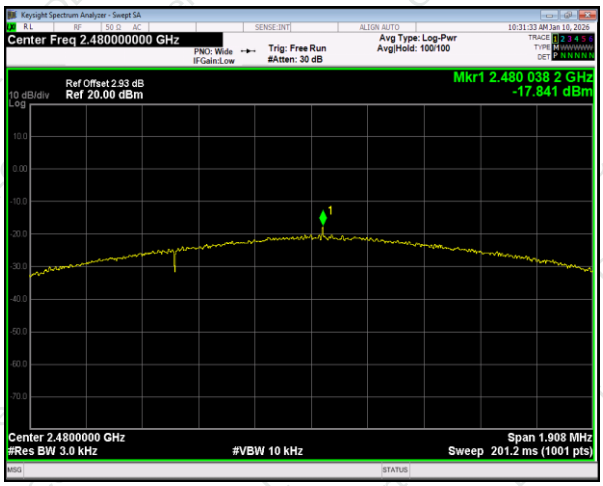
CH01



CH20



CH40



7. 6DB OCCUPIED BANDWIDTH

Test Requirement:	FCC Part15 C Section 15.247 (a)(2)
Test Method:	KDB558074 D0115.247 Meas Guidance v05r02

7.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(a)(2)	Bandwidth	>= 500KHz (6dB Occupied Bandwidth)	2400-2483.5	PASS

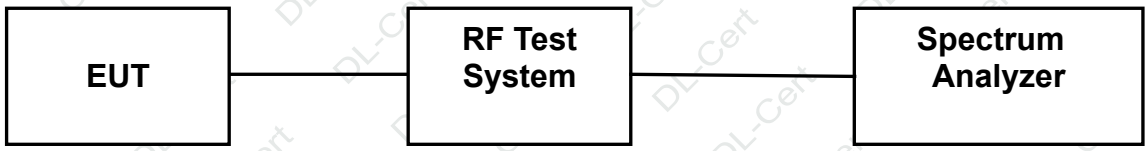
7.2 TEST PROCEDURE

1. Set RBW = 100 kHz.
2. Set the video bandwidth (VBW) ≥ 3 x RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

7.3 DEVIATION FROM STANDARD

No deviation.

7.4 TEST SETUP



7.5 EUT OPERATION CONDITIONS

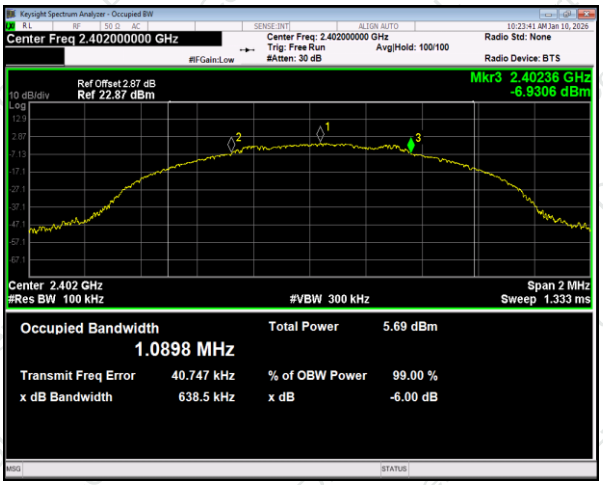
The EUT tested system was configured as the statements of 7.4 Unless otherwise a special operating condition is specified in the follows during the testing.

7.6 TEST RESULT

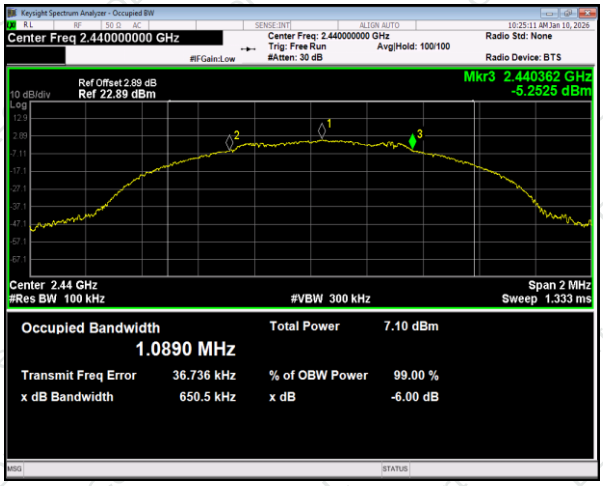
Temperature :	26℃	Relative Humidity :	54%
Test Mode :	GFSK 1M	Test Voltage :	DC 51.2V

Test channel	6dB Occupied Bandwidth (MHz)	Limit(KHz)	Result
Lowest	0.6385	>500	Pass
Middle	0.6505		
Highest	0.6469		

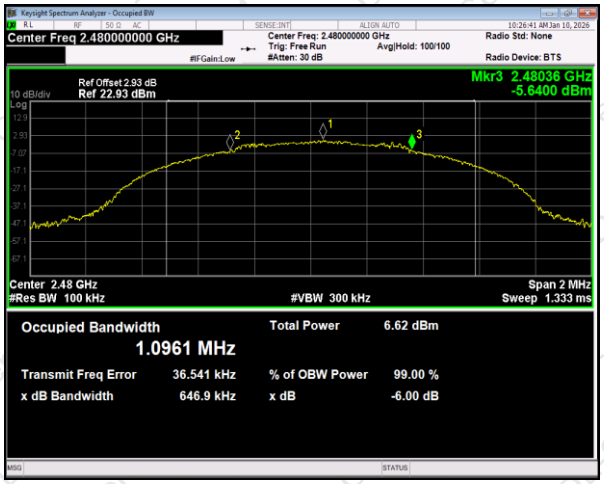
CH 01



CH20



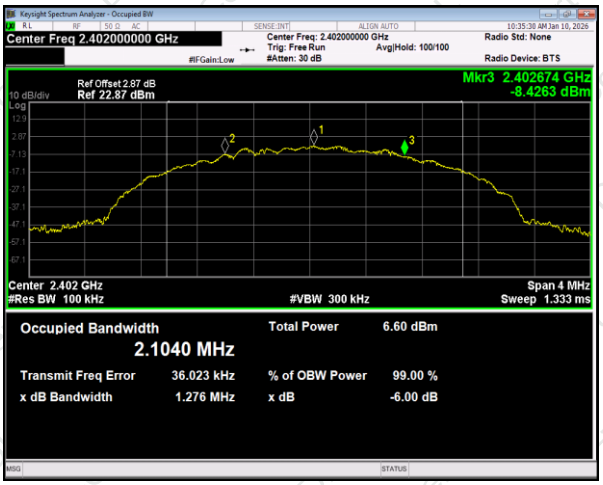
CH40



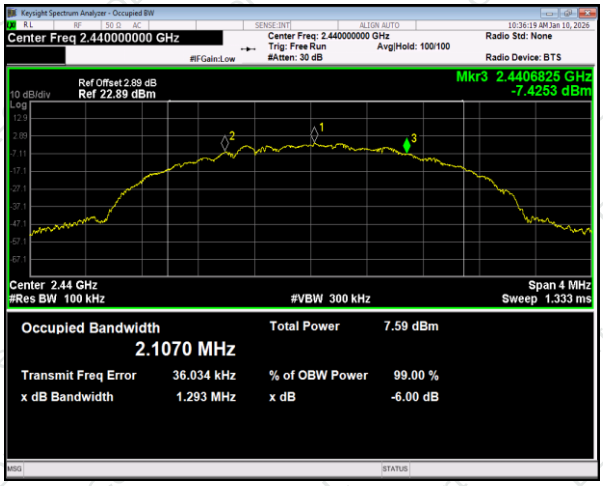
Temperature：	26℃	Relative Humidity：	54%
Test Mode ：	GFSK 2M	Test Voltage ：	DC 51.2V

Test channel	6dB Occupied Bandwidth (MHz)	Limit(KHz)	Result
Lowest	1.276	>500	Pass
Middle	1.293		
Highest	1.318		

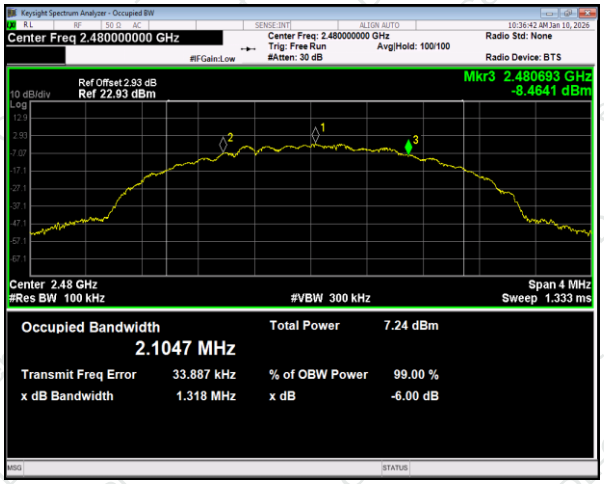
CH 01



CH20



CH40



8.PEAK OUTPUT POWER TEST

Test Requirement:	FCC Part15 C Section 15.247 (b)(3)
Test Method:	KDB558074 D0115.247 Meas Guidance v05r02

8.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(3)	Peak Output Power	1 watt or 30dBm	2400-2483.5	PASS

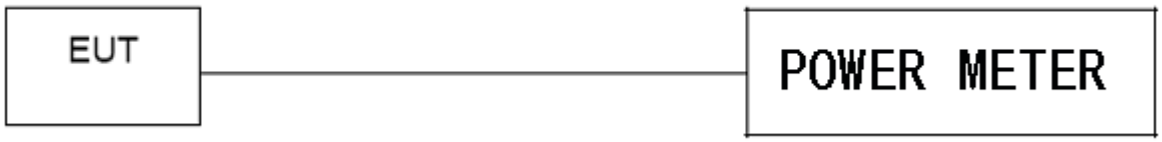
8.2 TEST PROCEDURE

a. The EUT was directly connected to the Power meter

8.3 DEVIATION FROM STANDARD

No deviation.

8.4 TEST SETUP



8.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 8.4 Unless otherwise a special operating condition is specified in the follows during the testing.

8.6 TEST RESULT

Temperature：	26℃	Relative Humidity：	54%
Test Mode ：	GFSK	Test Voltage ：	DC 51.2V

Test channel	Test Mode	Peak Output Power (dBm)	Limit(dBm)	Result
Lowest	BLE 1M	1.14	30.00	Pass
Middle	BLE 1M	2.44		
Highest	BLE 1M	2.09		
Lowest	BLE 2M	0.99		
Middle	BLE 2M	1.92		
Highest	BLE 2M	1.84		

9. CONDUCTED BAND EDGE AND SPURIOUS EMISSION

Test Requirement:	FCC Part15 C Section 15.247 (d)
Test Method:	KDB558074 D0115.247 Meas Guidance v05r02

9.1 APPLICABLE STANDARD

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

9.2 TEST PROCEDURE

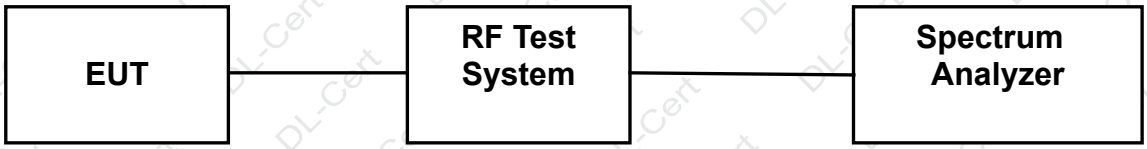
A. Reference level measurement, establish a reference level by using the following procedure:
a) Set instrument center frequency to FHSS channel center frequency.
b) Set the span to ≥ 1.5 times the 20dB bandwidth.
c) Set the RBW = 100 kHz.
d) Set the VBW ≥ [3 × RBW].
e) Detector = peak.
f) Sweep time = auto couple.
g) Trace mode = max hold.
h) Allow trace to fully stabilize.
i) Use the peak marker function to determine the maximum PSD level.
Note that the channel found to contain the maximum PSD level can be used to establish the reference level.

B.Emission level measurement, establish an emission level by using the following procedure:
a) Set the center frequency and span to encompass frequency range to be measured.
b) Set the RBW = 100 kHz.
c) Set the VBW ≥ [3 × RBW].
d) Detector = peak.
e) Sweep time = auto couple.
f) Trace mode = max hold.
g) Allow trace to fully stabilize.
h) Use the peak marker function to determine the maximum amplitude level.
Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) is attenuated by at least the minimum requirements specified in 11.11. Report the three highest emissions relative to the limit.

9.3 DEVIATION FROM STANDARD

No deviation.

9.4 TEST SETUP



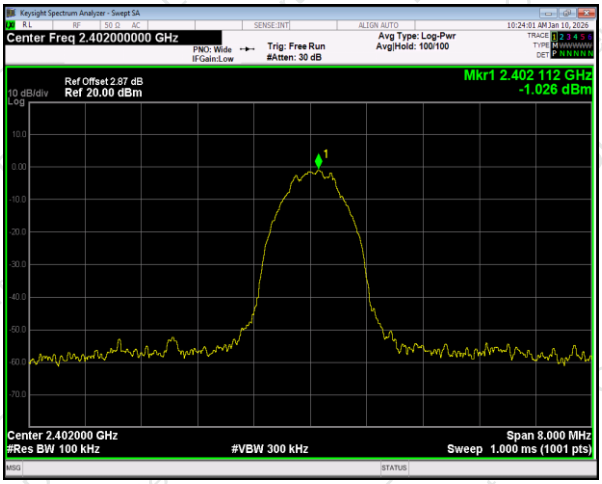
9.5 EUT OPERATION CONDITIONS

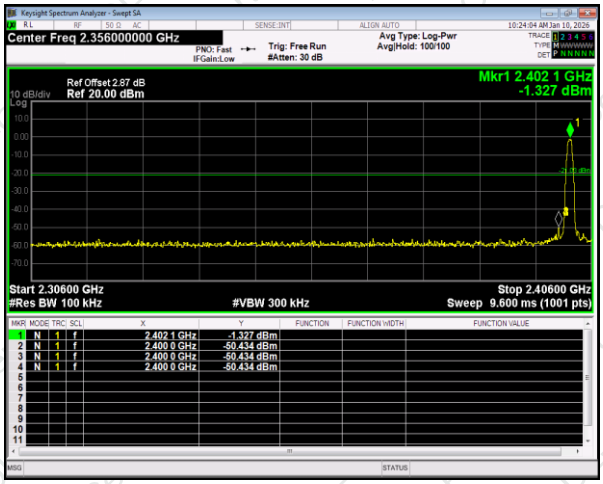
The EUT tested system was configured as the statements of 9.4 Unless otherwise a special operating condition is specified in the follows during the testing.

9.6 TEST RESULTS

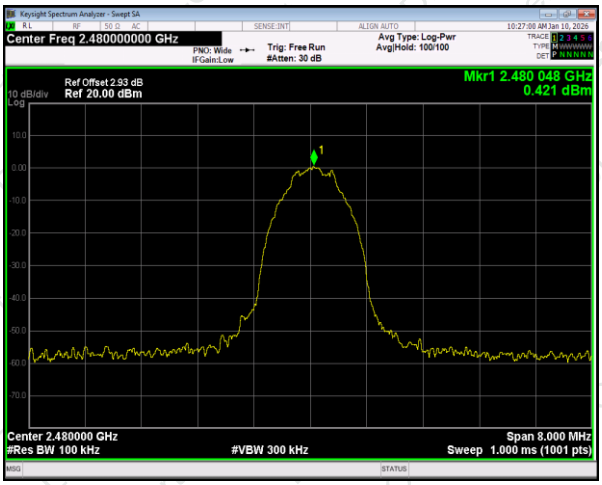
BLE 1M

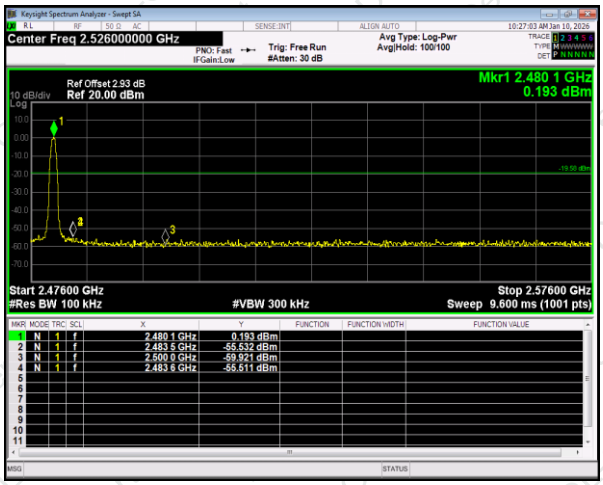
Band Edge, Left Side





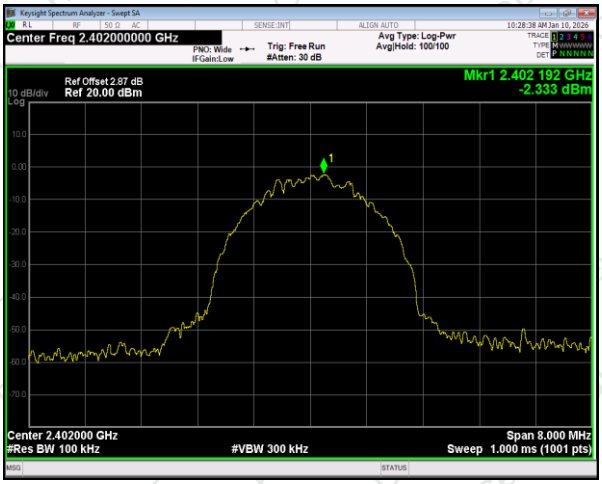
Band Edge, Right Side

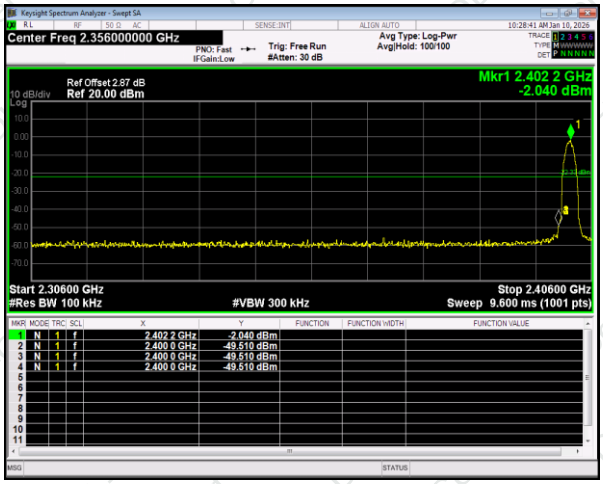




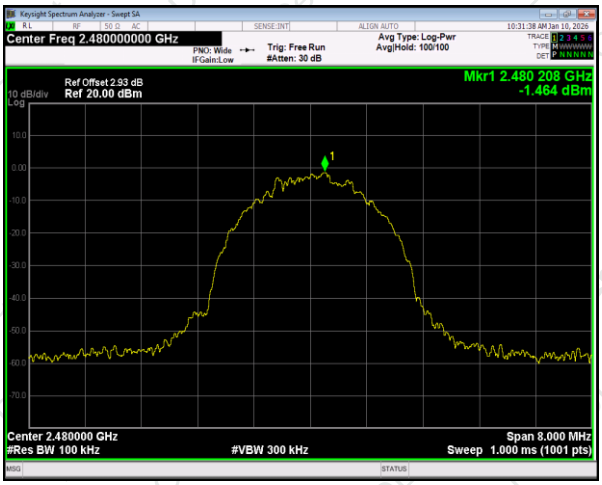
BLE 2M

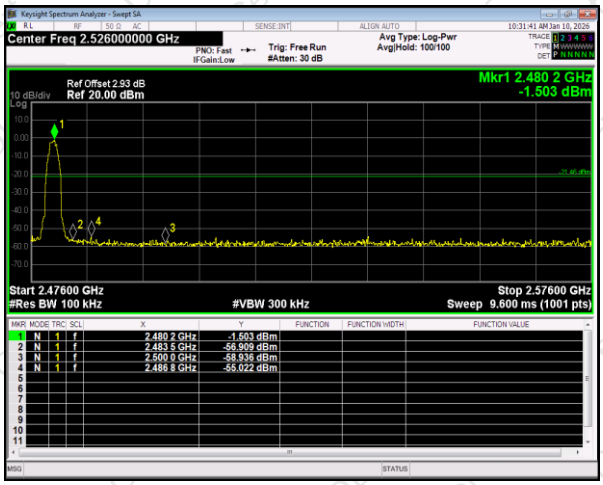
Band Edge, Left Side





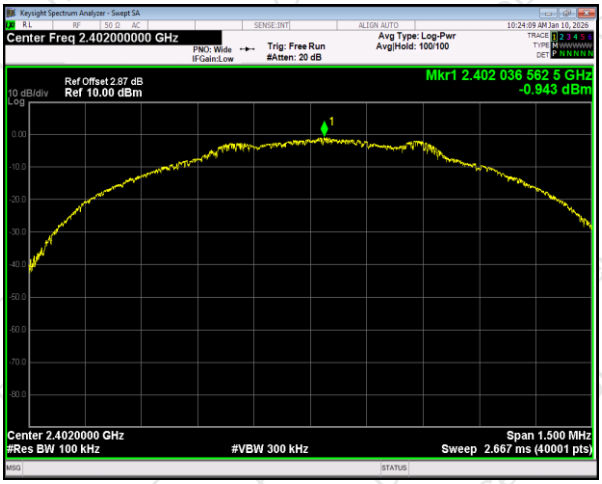
Band Edge, Right Side

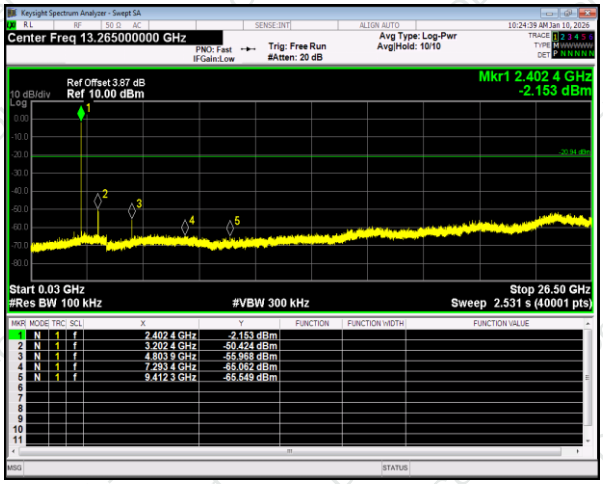




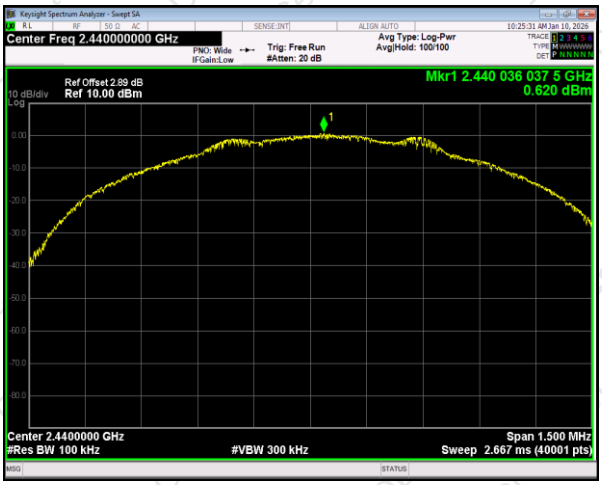
BLE 1M

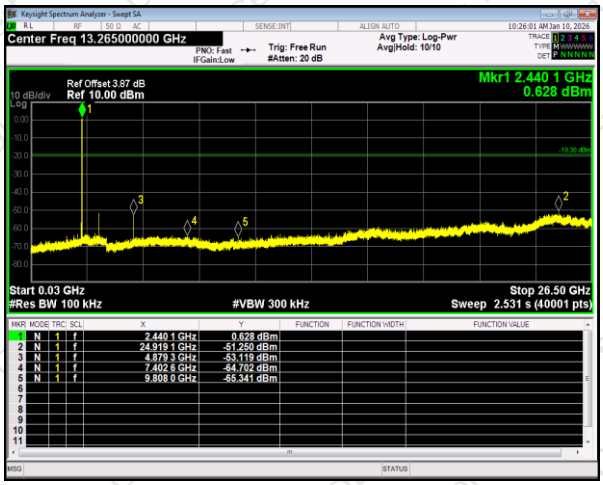
Lowest channel



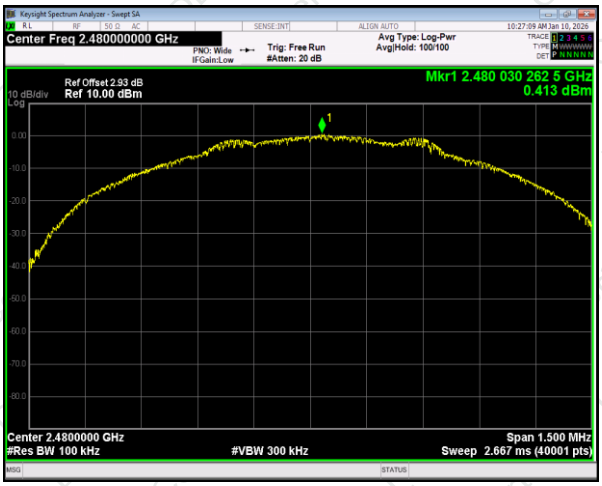


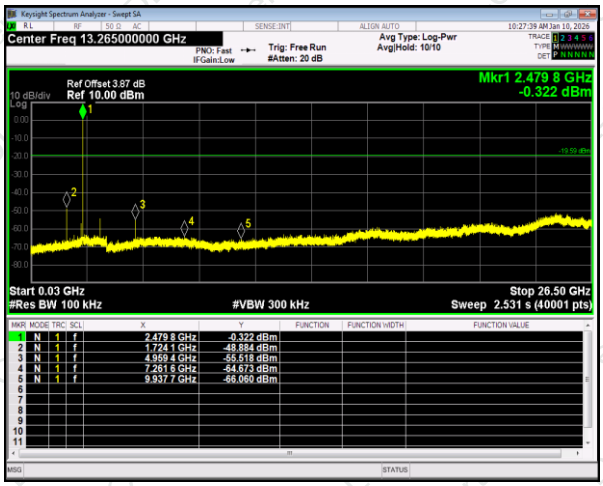
Middle channel





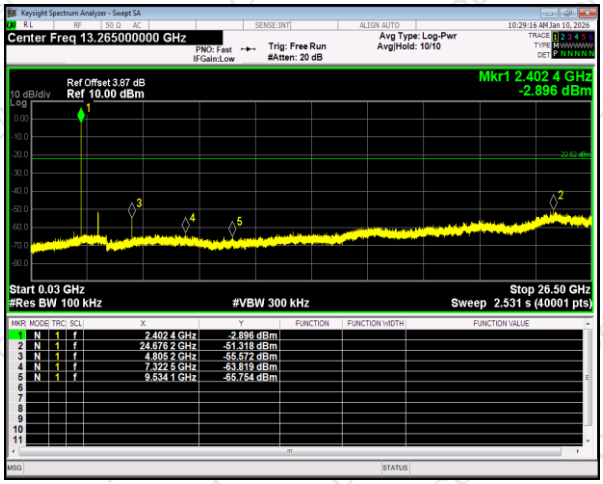
Highest channel



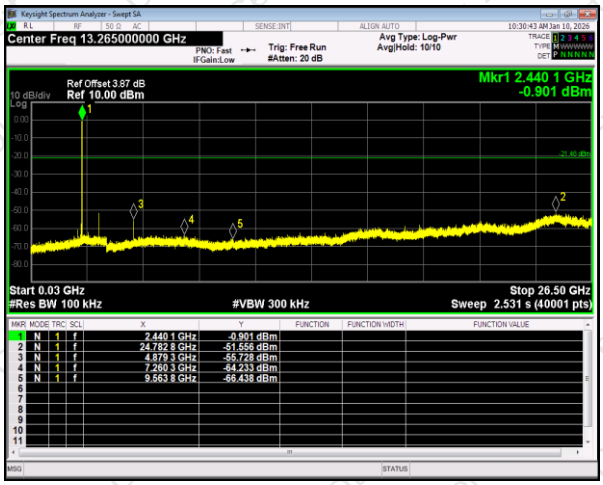


BLE 2M

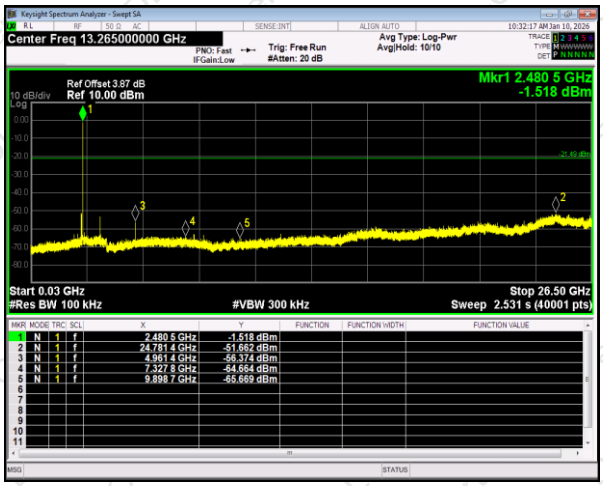
Lowest channel



Middle channel



Highest channel



10.DUTY CYCLE

Test Method:	ANSI C63.10:2020

10.1 APPLIED PROCEDURES / LIMIT

Measurements of duty cycle and transmission duration shall be performed using one of the following techniques:

a) A diode detector and an oscilloscope that together have a sufficiently short response time to permit accurate measurements of the ON and oFF times of the transmitted signal.

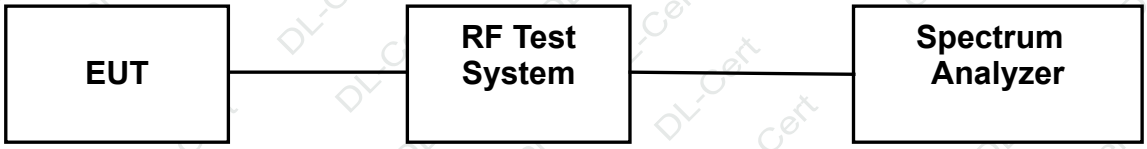
b) The zero-span mode on a spectrum analyzer or EMI receiver if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the ON and OFF times of the transmitted signal:

1) Set the center frequency of the instrument to the center frequency of the transmission.
2) Set RBW to the largest available value.
3) SetVBW≥RBW.Set detector = peak or average.
4) The zero-span measurement method shall not be used unless both RBWand VBW are {>}50/T and the number of sweep points across duration T exceeds 100.(For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring the duty cycle shall not be used if T≤16.7 μs.)

10.2 DEVIATION FROM STANDARD

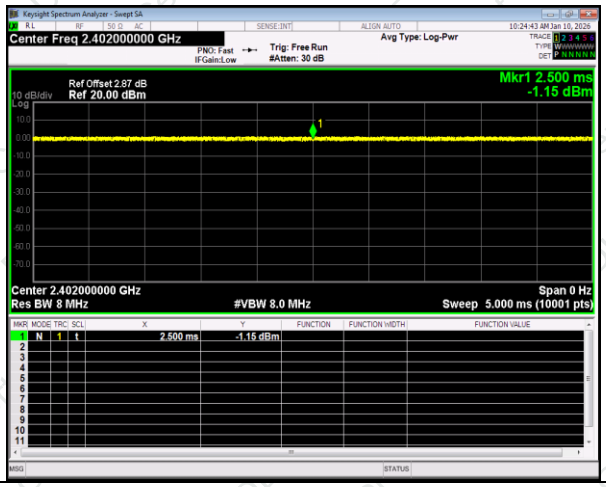
No deviation.

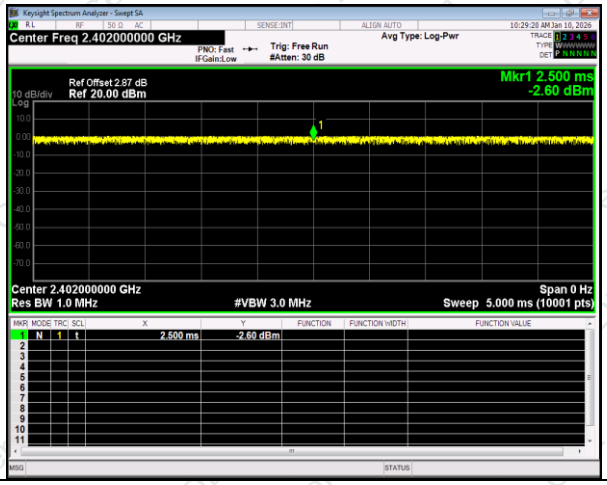
10.3 TEST SETUP



10.4 TEST RESULTS

Frequency (MHz)	Test Mode	Duty Cycle (%)	Result
2402	BLE 1M	100	Pass
2402	BLE 2M	100	Pass





Note: All channel have been tested, and the report only reflects the worst case data.

Duty Cycle = Ton /Total*100%

Duty Cycle Correction Factor = 10log (1/Duty Cycle)

11.ANTENNA REQUIREMENT

Standard requirement:	FCC Part15 C Section 15.203 /247(b)(4)
15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. 15.247(b)(4) requirement: (4) The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.	
EUT Antenna:	
The antenna is PCB antenna, the best case gain of the antenna is 3.96dBi, reference to the appendix II for details	

12. TEST SETUP PHOTO

Reference to the appendix I for details.

13. EUT CONSTRUCTIONAL DETAILS

Reference to the appendix II for details.

※※※※※ **END OF REPORT** ※※※※※