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RADIO TEST REPORT

Report No.: STS2003274W03

Issued for

Hong Kong Great Creation Technology Co., Ltd.

Flat A 11F, Wang Kwong Industrial Building, 45 Hung To Road,
Kwun Tong, KLN Hong Kong.

Product Name:	Bluetooth headset(Receiver Amplifier)
Brand Name:	N/A
Model Name:	B5
Series Model:	B5A, B5B, B6, B6A, B6B, B7, B7A, B7B
FCC ID:	2AVZ3B5B7RXB6
Test Standard:	FCC Part 15.247

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**TEST RESULT CERTIFICATION**

Applicant's Name: Hong Kong Great Creation Technology Co., Ltd.
Address: Flat A 11F, Wang Kwong Industrial Building, 45 Hung To Road,
Kwun Tong, KLN Hong Kong.
Manufacture's Name: ShenZhen Great Creation Technology Co. Ltd.
Address: 2nd Floor, Building 12, Futing Industrial Zone, Guanlan, Longhua
New District, Shenzhen

Product Description

Product Name: Bluetooth headset(Receiver Amplifier)
Brand Name: N/A
Model Name: B5
Series Model: B5A, B5B, B6, B6A, B6B, B7, B7A, B7B
Test Standards: FCC Part15.247
Test Procedure: ANSI C63.10-2013

This device described above has been tested by STS, the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Date of Test.....:

Date of receipt of test item.....: 30 Mar. 2020

Date (s) of performance of tests.: 30 Mar. 2020 ~ 08 Apr. 2020

Date of Issue: 10 Apr. 2020

Test Result: Pass

Testing Engineer :

(Chris Chen)

Technical Manager :

(Sean she)

Authorized Signatory :

(Vita Li)





Table of Contents	Page
1. SUMMARY OF TEST RESULTS	6
1.1 TEST FACTORY	7
1.2 MEASUREMENT UNCERTAINTY	7
2. GENERAL INFORMATION	8
2.1 GENERAL DESCRIPTION OF THE EUT	8
2.2 DESCRIPTION OF THE TEST MODES	10
2.3 TABLE OF PARAMETERS OF TEST SOFTWARE SETTING	10
2.4 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED	11
2.5 DESCRIPTION OF NECESSARY ACCESSORIES AND SUPPORT UNITS	12
2.6 EQUIPMENTS LIST	13
3. EMC EMISSION TEST	14
3.1 CONDUCTED EMISSION MEASUREMENT	14
3.2 RADIATED EMISSION MEASUREMENT	18
4. CONDUCTED SPURIOUS & BAND EDGE EMISSION	30
4.1 LIMIT	30
4.2 TEST PROCEDURE	30
4.3 TEST SETUP	30
4.4 EUT OPERATION CONDITIONS	30
4.5 TEST RESULTS	31
5. NUMBER OF HOPPING CHANNEL	41
5.1 LIMIT	41
5.2 TEST PROCEDURE	41
5.3 TEST SETUP	41
5.4 EUT OPERATION CONDITIONS	41
5.5 TEST RESULTS	42
6. AVERAGE TIME OF OCCUPANCY	43
6.1 LIMIT	43
6.2 TEST PROCEDURE	43
6.3 TEST SETUP	43
6.4 EUT OPERATION CONDITIONS	43
6.5 TEST RESULTS	44
7. HOPPING CHANNEL SEPARATION MEASUREMEN	48
7.1 LIMIT	48



Table of Contents	Page
7.2 TEST PROCEDURE	48
7.3 TEST SETUP	48
7.4 EUT OPERATION CONDITIONS	48
7.5 TEST RESULTS	49
8. BANDWIDTH TEST	53
8.1 LIMIT	53
8.2 TEST PROCEDURE	53
8.3 TEST SETUP	53
8.4 EUT OPERATION CONDITIONS	53
8.5 TEST RESULTS	54
9. OUTPUT POWER TEST	58
9.1 LIMIT	58
9.2 TEST PROCEDURE	58
9.3 TEST SETUP	59
9.4 EUT OPERATION CONDITIONS	59
9.5 TEST RESULTS	60
10. ANTENNA REQUIREMENT	61
10.1 STANDARD REQUIREMENT	61
10.2 EUT ANTENNA	61

**Revision History**

Rev.	Issue Date	Report NO.	Effect Page	Contents
00	10 Apr. 2020	STS2003274W03	ALL	Initial Issue





1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

KDB 558074 D01 15.247 Meas Guidance v05r02.

FCC Part 15.247, Subpart C			
Standard Section	Test Item	Judgment	Remark
15.207	Conducted Emission	PASS	--
15.247(a)(1)	Hopping Channel Separation	PASS	--
15.247(a)(1)&(b)(1)	Output Power	PASS	--
15.209	Radiated Spurious Emission	PASS	--
15.247(d)	Conducted Spurious & Band Edge Emission	PASS	--
15.247(a)(iii)	Number of Hopping Frequency	PASS	--
15.247(a)(iii)	Dwell Time	PASS	--
15.247(a)(1)	Bandwidth	PASS	--
15.205	Restricted bands of operation	PASS	--
Part 15.247(d)/part 15.209(a)	Band Edge Emission	PASS	--
15.203	Antenna Requirement	PASS	--

NOTE:

(1) 'N/A' denotes test is not applicable in this Test Report.

(2) All tests are according to ANSI C63.10-2013.



1.1 TEST FACTORY

SHENZHEN STS TEST SERVICES CO., LTD

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FCC test Firm Registration Number: 625569

IC test Firm Registration Number: 12108A

A2LA Certificate No.: 4338.01

1.2 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	Uncertainty
1	RF output power, conducted	$\pm 0.68\text{dB}$
2	Unwanted Emissions, conducted	$\pm 2.988\text{dB}$
3	All emissions, radiated 30-1GHz	$\pm 6.7\text{dB}$
4	All emissions, radiated 1G-6GHz	$\pm 5.5\text{dB}$
5	All emissions, radiated >6G	$\pm 5.8\text{dB}$
6	Conducted Emission (9KHz-150KHz)	$\pm 4.43\text{dB}$
7	Conducted Emission (150KHz-30MHz)	$\pm 5\text{dB}$



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF THE EUT

Product Name	Bluetooth headset(Receiver Amplifier)
Trade Name	N/A
Model Name	B5
Series Model	B5A, B5B, B6, B6A, B6B, B7, B7A, B7B
Model Difference	Only different is mode name.
Channel List	Please refer to the Note 2.
Bluetooth	Frequency:2402 – 2480 MHz Modulation: GFSK(1Mbps), $\pi/4$ -DQPSK(2Mbps)
Bluetooth Version	4.2
BR+EDR	BR+EDR
Please see Note 3.	Please refer to the Note 3.
Battery	Rated Voltage: 3.7V Charge Limit: 4.2V Capacity: 500mAh
Hardware version number	V2
Software version number	0321
Connecting I/O Port(s)	Please refer to the Note 1.

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User Manual.



2.

Channel List					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
00	2402	27	2429	54	2456
01	2403	28	2430	55	2457
02	2404	29	2431	56	2458
03	2405	30	2432	57	2459
04	2406	31	2433	58	2460
05	2407	32	2434	59	2461
06	2408	33	2435	60	2462
07	2409	34	2436	61	2463
08	2410	35	2437	62	2464
09	2411	36	2438	63	2465
10	2412	37	2439	64	2466
11	2413	38	2440	65	2467
12	2414	39	2441	66	2468
13	2415	40	2442	67	2469
14	2416	41	2443	68	2470
15	2417	42	2444	69	2471
16	2418	43	2445	70	2472
17	2419	44	2446	71	2473
18	2420	45	2447	72	2474
19	2421	46	2448	73	2475
20	2422	47	2449	74	2476
21	2423	48	2450	75	2477
22	2424	49	2451	76	2478
23	2425	50	2452	77	2479
24	2426	51	2453	78	2480
25	2427	52	2454		
26	2428	53	2455		

3. Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	NOTE
1	N/A	B5	PCB	N/A	2 dBi	BT Antenna



2.2 DESCRIPTION OF THE TEST MODES

To investigate the maximum EMI emission characteristics generated from EUT, the test system was pre-scanning tested based on the consideration of following EUT operation mode or test configuration mode which possibly have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Worst Mode	Description	Data Rate/Modulation
Mode 1	TX CH00	1Mbps/GFSK
Mode 2	TX CH39	1Mbps/GFSK
Mode 3	TX CH78	1Mbps/GFSK
Mode 4	TX CH00	2 Mbps/ π /4-DQPSK
Mode 5	TX CH39	2 Mbps/ π /4-DQPSK
Mode 6	TX CH78	2 Mbps/ π /4-DQPSK

Note:

(1) The measurements are performed at all Bit Rate of Transmitter, the worst data was reported.

(2) We have been tested for all available U.S. voltage and frequencies (For 120V, 50/60Hz and 240V, 50/60Hz) for which the device is capable of operation, and the worst case of 120V/60Hz is shown in the report.

For AC Conducted Emission

Test Case	
AC Conducted Emission	Mode 7 : Keeping BT TX

2.3 TABLE OF PARAMETERS OF TEST SOFTWARE SETTING

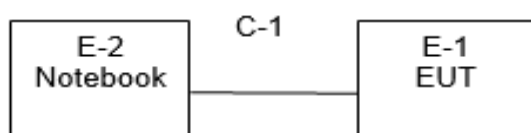
During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters of FHSS.

Test software Version	Test program: Bluetooth		
(Power control software) Parameters(1/2/3Mbps)	Power class: DH1 rate:4:27 2DH1 rate:20:54	Power class: DH3 rate:11:183 2DH3 rate:26:367	Power class: DH5 rate:15:339 2DH5 rate:30:679

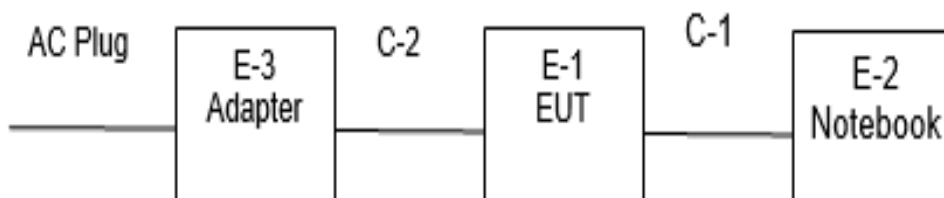


2.4 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Radiated Spurious Emission Test



Conducted Emission Test





2.5 DESCRIPTION OF NECESSARY ACCESSORIES AND 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.

Necessary accessories

Item	Equipment	Mfr/Brand	Model/Type No.	Serial No.	Note
E-3	Adapter	LITEON	PA-1650-86	N/A	N/A
C-2	DC Cable	N/A	110cm	N/A	N/A

Support units

Item	Equipment	Mfr/Brand	Model/Type No.	Serial No.	Note
E-2	Notebook	ThinkPad	N/A	N/A	N/A
C-1	USB Cable	N/A	100cm	N/A	N/A

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.



2.6 EQUIPMENTS LIST

Radiation Test equipment

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
Test Receiver	R&S	ESCI	101427	2019.07.29	2020.07.28
Signal Analyzer	Agilent	N9020A	MY51110105	2020.03.05	2021.03.04
Active loop Antenna	ZHINAN	ZN30900C	16035	2018.03.11	2021.03.10
Bilog Antenna	TESEQ	CBL6111D	34678	2017.11.02	2020.11.01
Horn Antenna	SCHWARZBECK	BBHA 9120D(1201)	9120D-1343	2018.10.19	2021.10.18
SHF-EHF Horn Antenna (18G-40GHz)	A-INFO	LB-180400-KF	J211020657	2018.03.11	2021.03.10
Pre-Amplifier(0.1M-3G Hz)	EM	EM330	060665	2019.10.09	2020.10.08
Pre-Amplifier (1G-18GHz)	SKET	LNPA-01018G-45	SK201808090 1	2019.10.12	2020.10.11
Temperature & Humidity	HH660	Mieo	N/A	2019.10.12	2020.10.11
Turn table	EM	SC100_1	60531	N/A	N/A
Antenna mast	EM	SC100	N/A	N/A	N/A
Test SW	FARAD	EZ-EMC(Ver.STSLAB-03A1 RE)			

Conduction Test equipment

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
Test Receiver	R&S	ESCI	101427	2019.07.29	2020.07.28
LISN	R&S	ENV216	101242	2019.10.09	2020.10.08
LISN	EMCO	3810/2NM	23625	2019.10.09	2020.10.08
Temperature & Humidity	HH660	Mieo	N/A	2019.10.12	2020.10.11
Test SW	FARAD	EZ-EMC(Ver.STSLAB-03A1 CE)			

RF Connected Test

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
USB RF power sensor	DARE	RPR3006W	15I00041SNO03	2019.10.09	2020.10.08
Signal Analyzer	Agilent	N9020A	MY49100060	2019.10.09	2020.10.08
Temperature & Humidity	HH660	Mieo	N/A	2019.10.12	2020.10.11
Test SW	FARAD	LZ-RF /LzRf-3A3			



3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 POWER LINE CONDUCTED EMISSION LIMITS

Operating frequency band. In case the emission fall within the restricted band specified on Part 207(a) limit in the table below has to be followed.

FREQUENCY (MHz)	Conducted Emissionlimit (dBUV)	
	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of “ * ” marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

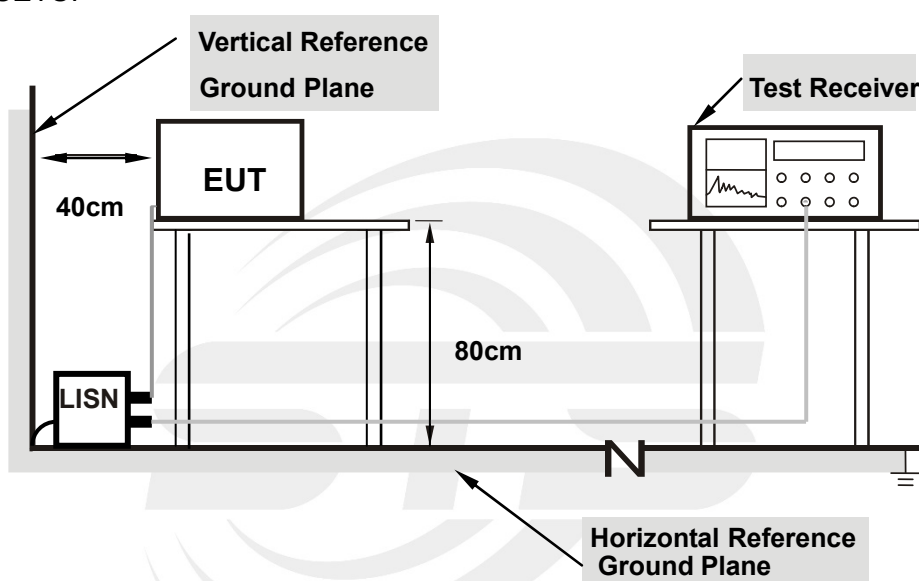
The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

3.1.2 TEST PROCEDURE

- The EUT was 0.8 meters from the horizontal ground plane and 0.4 meters from the vertical 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.
- 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.
- 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.
- LISN at least 80 cm from nearest part of EUT chassis.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.1.3 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 cm from other units and other metal planes

3.1.4 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.



3.1.5 TEST RESULT

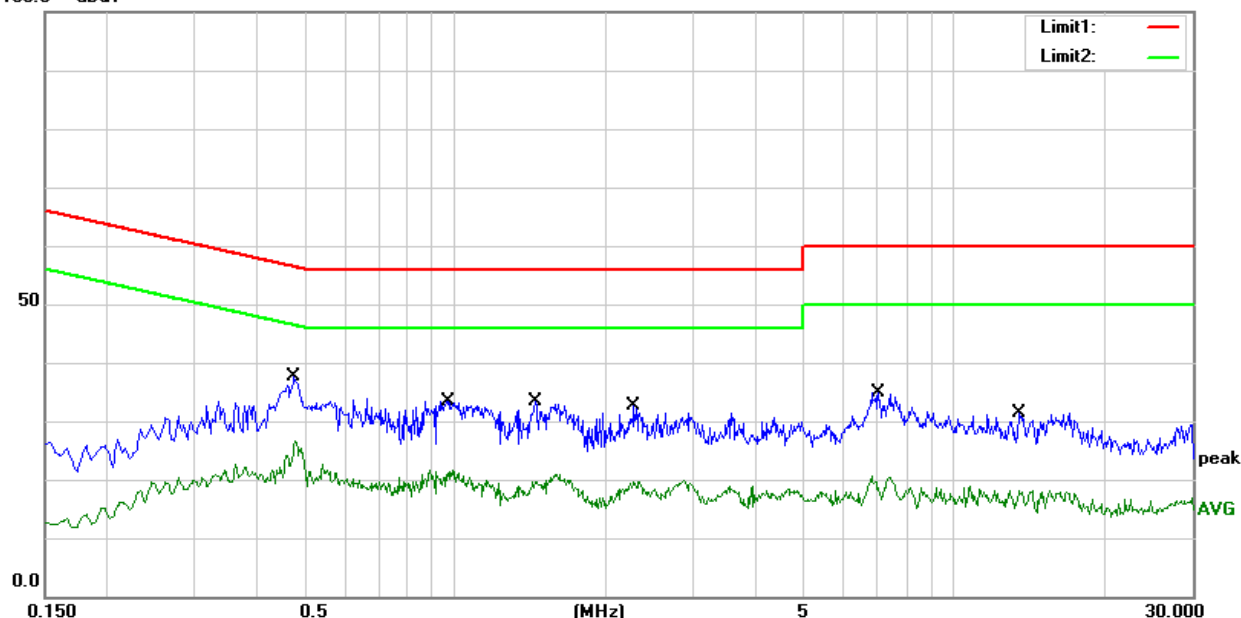
Temperature:	25.3(C)	Relative Humidity:	58%RH
Test Voltage:	AC 120V/60Hz	Phase:	L
Test Mode:	Mode 7		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.4740	17.07	20.45	37.52	56.44	-18.92	QP
2	0.4740	6.08	20.45	26.53	46.44	-19.91	AVG
3	0.9660	13.23	20.18	33.41	56.00	-22.59	QP
4	0.9660	1.54	20.18	21.72	46.00	-24.28	AVG
5	1.4460	13.15	20.15	33.30	56.00	-22.70	QP
6	1.4460	0.84	20.15	20.99	46.00	-25.01	AVG
7	2.2740	12.50	20.13	32.63	56.00	-23.37	QP
8	2.2740	-0.32	20.13	19.81	46.00	-26.19	AVG
9	7.0380	15.03	19.91	34.94	60.00	-25.06	QP
10	7.0380	0.67	19.91	20.58	50.00	-29.42	AVG
11	13.4220	11.47	19.83	31.30	60.00	-28.70	QP
12	13.4220	-1.62	19.83	18.21	50.00	-31.79	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Margin = Result (Result =Reading + Factor)-Limit

100.0 dBuV





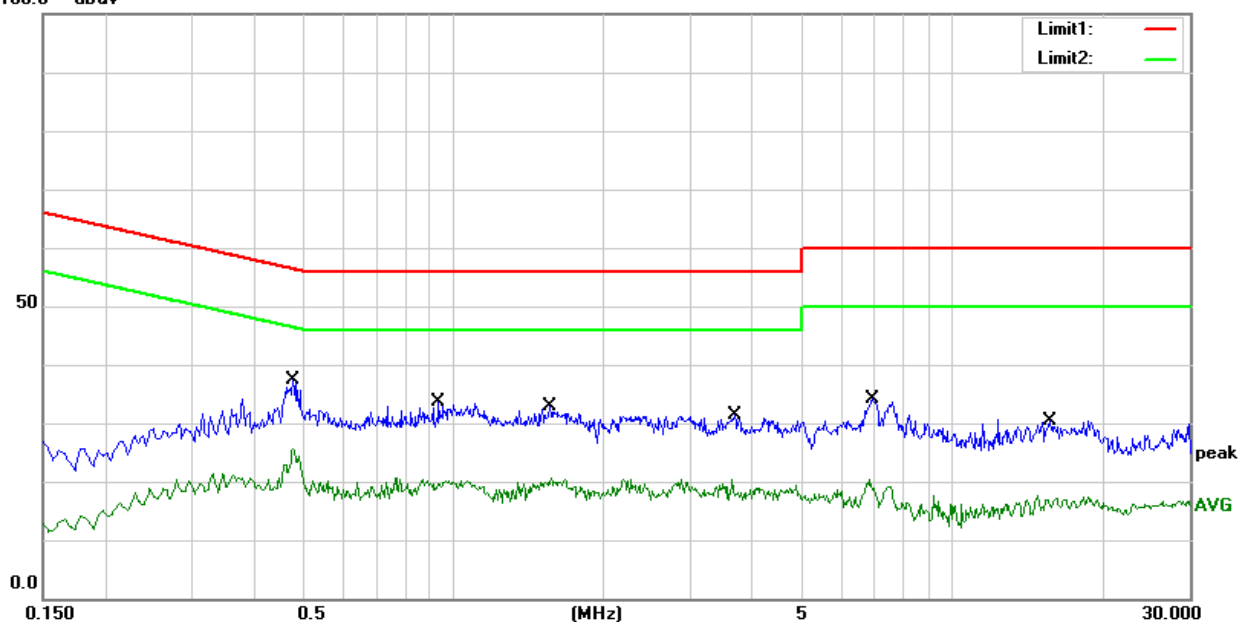
Temperature:	25.3(C)	Relative Humidity:	58%RH
Test Voltage:	AC 120V/60Hz	Phase:	N
Test Mode:	Mode 7		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.4780	16.84	20.45	37.29	56.37	-19.08	QP
2	0.4780	5.07	20.45	25.52	46.37	-20.85	AVG
3	0.9380	13.38	20.18	33.56	56.00	-22.44	QP
4	0.9380	0.46	20.18	20.64	46.00	-25.36	AVG
5	1.5660	12.79	20.15	32.94	56.00	-23.06	QP
6	1.5660	0.51	20.15	20.66	46.00	-25.34	AVG
7	3.6620	11.22	20.07	31.29	56.00	-24.71	QP
8	3.6620	0.36	20.07	20.43	46.00	-25.57	AVG
9	6.9380	14.20	19.91	34.11	60.00	-25.89	QP
10	6.9380	0.41	19.91	20.32	50.00	-29.68	AVG
11	15.7980	10.53	19.85	30.38	60.00	-29.62	QP
12	15.7980	-2.33	19.85	17.52	50.00	-32.48	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Margin = Result (Result = Reading + Factor)-Limit

100.0 dBuV





3.2 RADIATED EMISSION MEASUREMENT

3.2.1 RADIATED EMISSION LIMITS

In any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the Restricted band specified on Part15.205 (a)&209(a) limit in the table and according to ANSI C63.10-2013 below has to be followed.

LIMITS OF RADIATED EMISSION MEASUREMENT (0.009MHz - 1000MHz)

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 (1GHz-25 GHz)

FREQUENCY (MHz)	(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).

LIMITS OF RESTRICTED FREQUENCY BANDS

FREQUENCY (MHz)	FREQUENCY (MHz)	FREQUENCY (MHz)	FREQUENCY (GHz)
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	Above 38.6
13.36-13.41			



For Radiated Emission

Spectrum Parameter	Setting
Attenuation	Auto
Detector	Peak/QP/AV
Start Frequency	9 KHz/150KHz(Peak/QP/AV)
Stop Frequency	150KHz/30MHz(Peak/QP/AV)
RB / VB (emission in restricted band)	200Hz (From 9kHz to 0.15MHz)/ 9KHz (From 0.15MHz to 30MHz); 200Hz (From 9kHz to 0.15MHz)/ 9KHz (From 0.15MHz to 30MHz)

Spectrum Parameter	Setting
Attenuation	Auto
Detector	Peak/QP
Start Frequency	30 MHz(Peak/QP)
Stop Frequency	1000 MHz (Peak/QP)
RB / VB (emission in restricted band)	120 KHz / 300 KHz

Spectrum Parameter	Setting
Attenuation	Auto
Detector	Peak
Start Frequency	1000 MHz(Peak)
Stop Frequency	10th carrier hamonic(Peak)
RB / VB (emission in restricted band)	1 MHz / 3 MHz(Peak) 1 MHz/1/T MHz(AVG)

For Restricted band

Spectrum Parameter	Setting
Detector	Peak
Start/Stop Frequency	Lower Band Edge: 2310 to 2410 MHz Upper Band Edge: 2475 to 2500 MHz
RB / VB	1 MHz / 3 MHz(Peak) 1 MHz/1/T MHz(AVG)



Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~90kHz / RB 200Hz for PK & AV
Start ~ Stop Frequency	90kHz~110kHz / RB 200Hz for QP
Start ~ Stop Frequency	110kHz~490kHz / RB 200Hz for PK & AV
Start ~ Stop Frequency	490kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

3.2.2 TEST PROCEDURE

- The measuring distance of at 3 m shall be used for measurements at frequency 0.009MHz up to 1GHz, and above 1GHz.
- The EUT was placed on the top of a rotating table 0.8 meters (above 1GHz is 1.5 m) above the ground at a 3 meter anechoic chamber test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- The height of the equipment shall be 0.8 m (above 1GHz is 1.5 m); the height of the test antenna shall vary between 1 m to 4 m. horizontal and vertical polarizations of the antenna are set to make the measurement.
- 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 QuasiPeak detector mode re-measured.
- 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.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

Note:

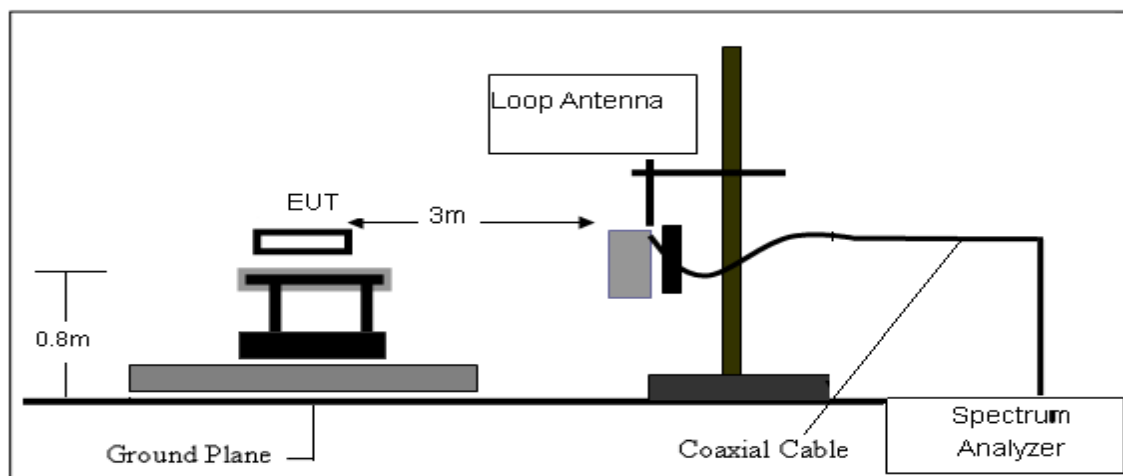
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported.

3.2.3 DEVIATION FROM TEST STANDARD

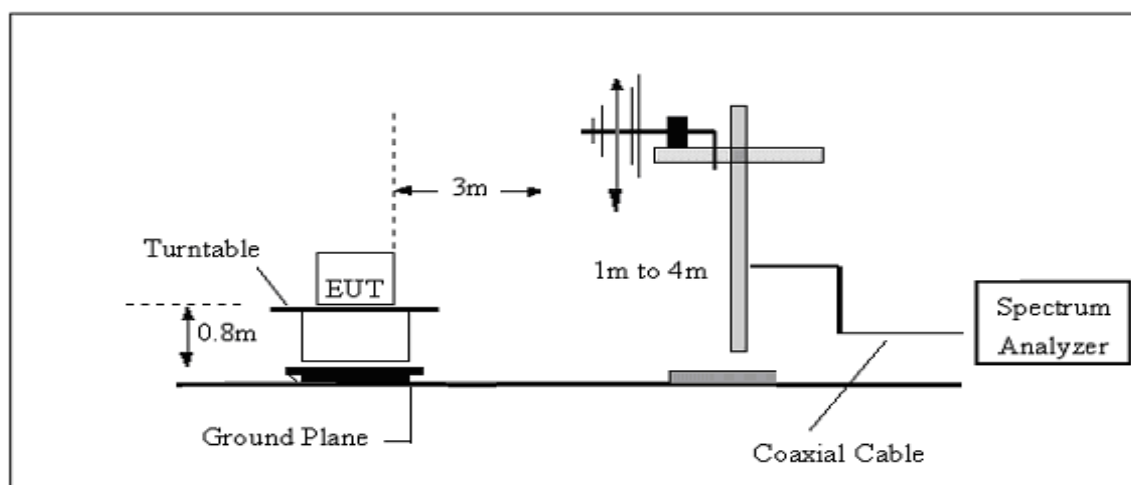
No deviation.

3.2.4 TESTSETUP

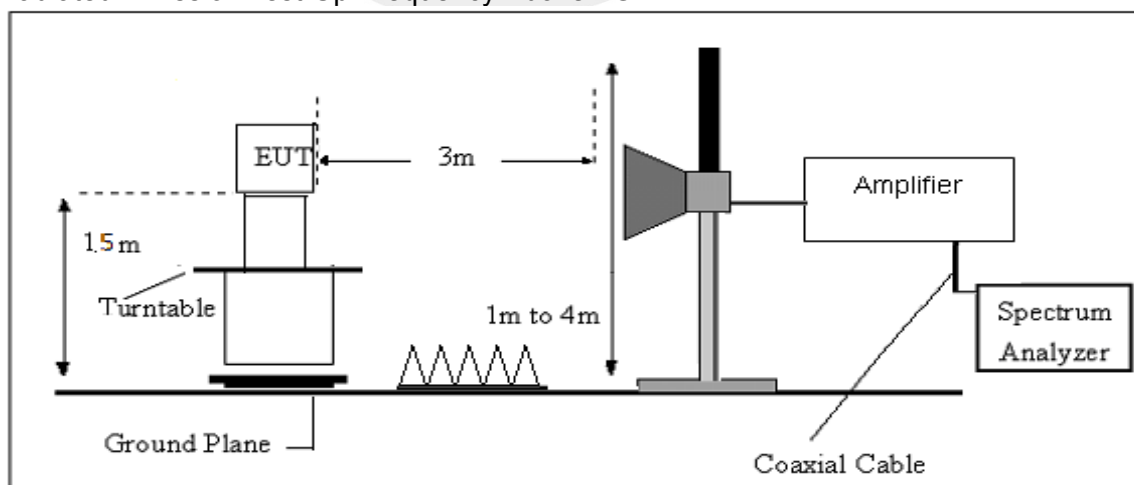
(A) Radiated Emission Test-Up Frequency Below 30MHz



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



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



3.2.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.



3.2.6 FIELD STRENGTH CALCULATION

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS = RA + AF + CL - AG$$

Where

FS = Field Strength

CL = Cable Attenuation Factor (Cable Loss)

RA = Reading Amplitude

AG = Amplifier Gain

AF = Antenna Factor

For example

Frequency	FS	RA	AF	CL	AG	Factor
(MHz)	(dBμV/m)	(dBμV/m)	(dB)	(dB)	(dB)	(dB)
300	40	58.1	12.2	1.6	31.9	-18.1

$$\text{Factor} = \text{AF} + \text{CL} - \text{AG}$$





3.2.7 TEST RESULTS

(9KHz-30MHz)

Temperature:	23.7(C)	Relative Humidity:	58%RH
Test Voltage:	DC 3.7V	Test Mode:	TX Mode

Freq.	Reading	Limit	Margin	State	Test Result
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	P/F	
--	--	--	--	--	PASS
--	--	--	--	--	PASS

Note:

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Distance extrapolation factor = $40 \log (\text{specific distance/test distance})$ (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor.



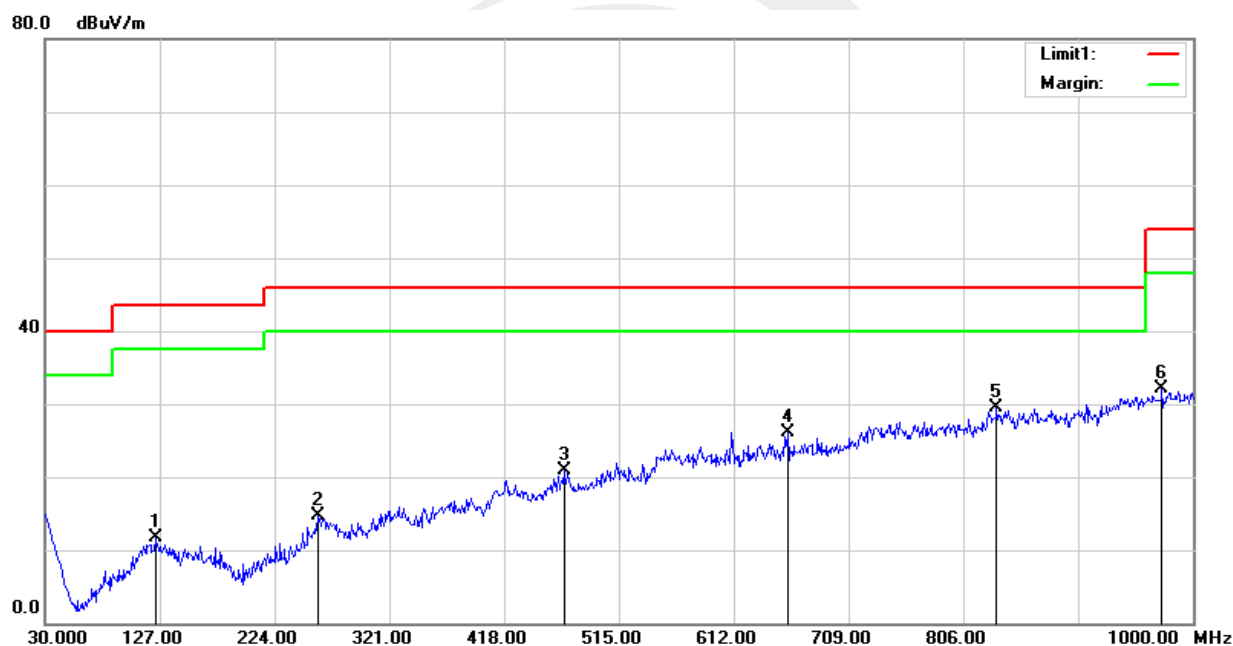
(30MHz-1000MHz)

Temperature:	23.7(C)	Relative Humidity:	58%RH
Test Voltage:	DC 3.7V	Phase:	Horizontal
Test Mode:	Mode 1/2/3/4/5/6 (Mode 4 worst mode)		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	123.1200	30.04	-18.27	11.77	43.50	-31.73	QP
2	260.8600	29.39	-14.78	14.61	46.00	-31.39	QP
3	468.4400	29.88	-9.07	20.81	46.00	-25.19	QP
4	657.5900	30.99	-4.83	26.16	46.00	-19.84	QP
5	834.1300	30.00	-0.59	29.41	46.00	-16.59	QP
6	973.8100	29.82	2.25	32.07	54.00	-21.93	QP

Remark:

1. Margin = Result (Result =Reading + Factor)-Limit



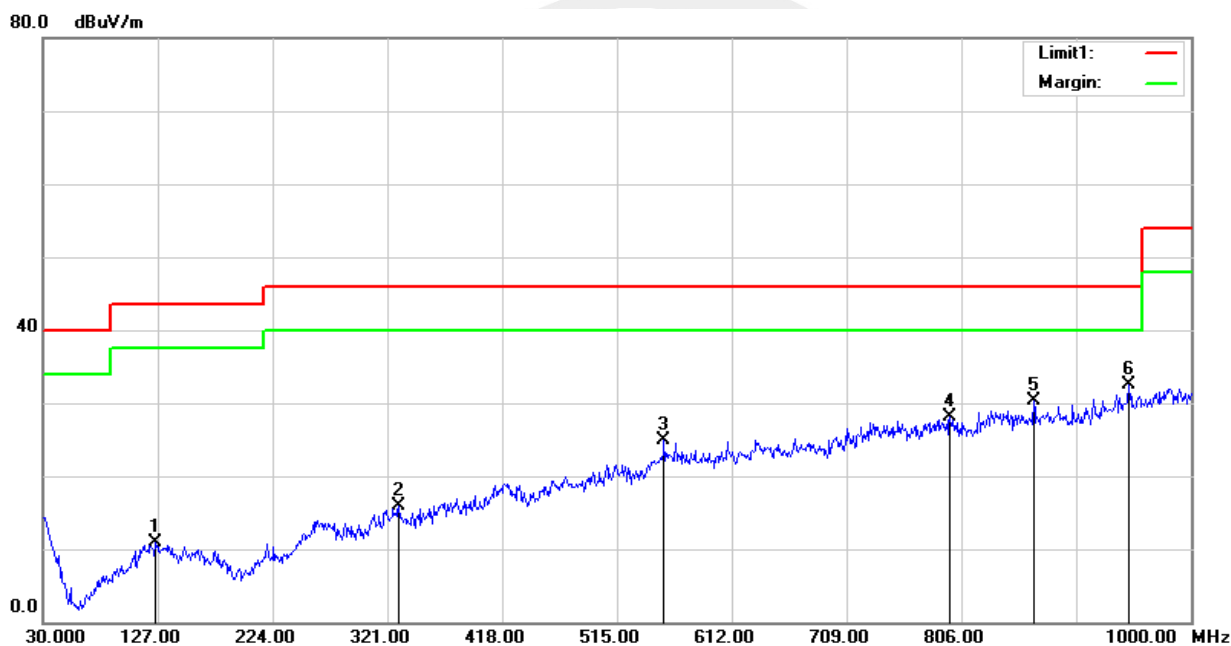


Temperature:	23.7(C)	Relative Humidity:	58%RH
Test Voltage:	DC 3.7V	Phase:	Vertical
Test Mode:	Mode 1/2/3/4/5/6 (Mode 4 worst mode)		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	125.0600	29.17	-18.22	10.95	43.50	-32.55	QP
2	330.7000	29.61	-13.68	15.93	46.00	-30.07	QP
3	554.7700	30.53	-5.63	24.90	46.00	-21.10	QP
4	796.3000	30.12	-2.02	28.10	46.00	-17.90	QP
5	867.1100	30.74	-0.50	30.24	46.00	-15.76	QP
6	947.6200	30.87	1.55	32.42	46.00	-13.58	QP

Remark:

1. Margin = Result (Result =Reading + Factor)-Limit





(1GHz~25GHz) Spurious emission Requirements

Frequency	Meter Reading	Amplifier	Loss	Antenna Factor	Corrected Factor	Emission Level	Limits	Margin	Detector	Comment
(MHz)	(dBμV)	(dB)	(dB)	(dB/m)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	
Low Channel (π/4-DQPSK/2402 MHz)										
3264.83	61.72	44.70	6.70	28.20	-9.80	51.92	74.00	-22.08	PK	Vertical
3264.83	51.17	44.70	6.70	28.20	-9.80	41.37	54.00	-12.63	AV	Vertical
3264.82	60.87	44.70	6.70	28.20	-9.80	51.07	74.00	-22.93	PK	Horizontal
3264.82	50.19	44.70	6.70	28.20	-9.80	40.39	54.00	-13.61	AV	Horizontal
4804.45	59.35	44.20	9.04	31.60	-3.56	55.79	74.00	-18.21	PK	Vertical
4804.45	49.53	44.20	9.04	31.60	-3.56	45.97	54.00	-8.03	AV	Vertical
4804.57	58.25	44.20	9.04	31.60	-3.56	54.69	74.00	-19.31	PK	Horizontal
4804.57	49.78	44.20	9.04	31.60	-3.56	46.22	54.00	-7.78	AV	Horizontal
5359.83	48.37	44.20	9.86	32.00	-2.34	46.03	74.00	-27.97	PK	Vertical
5359.83	39.83	44.20	9.86	32.00	-2.34	37.48	54.00	-16.52	AV	Vertical
5359.68	48.46	44.20	9.86	32.00	-2.34	46.12	74.00	-27.88	PK	Horizontal
5359.68	38.89	44.20	9.86	32.00	-2.34	36.55	54.00	-17.45	AV	Horizontal
7205.88	54.41	43.50	11.40	35.50	3.40	57.81	74.00	-16.19	PK	Vertical
7205.88	44.17	43.50	11.40	35.50	3.40	47.57	54.00	-6.43	AV	Vertical
7205.89	53.52	43.50	11.40	35.50	3.40	56.92	74.00	-17.08	PK	Horizontal
7205.89	44.35	43.50	11.40	35.50	3.40	47.75	54.00	-6.25	AV	Horizontal
Middle Channel (π/4-DQPSK/2441 MHz)										
3264.61	62.03	44.70	6.70	28.20	-9.80	52.23	74.00	-21.77	PK	Vertical
3264.61	51.09	44.70	6.70	28.20	-9.80	41.29	54.00	-12.71	AV	Vertical
3264.75	61.35	44.70	6.70	28.20	-9.80	51.55	74.00	-22.45	PK	Horizontal
3264.75	51.29	44.70	6.70	28.20	-9.80	41.49	54.00	-12.51	AV	Horizontal
4882.43	59.07	44.20	9.04	31.60	-3.56	55.51	74.00	-18.49	PK	Vertical
4882.43	50.53	44.20	9.04	31.60	-3.56	46.97	54.00	-7.03	AV	Vertical
4882.48	59.46	44.20	9.04	31.60	-3.56	55.90	74.00	-18.10	PK	Horizontal
4882.48	49.64	44.20	9.04	31.60	-3.56	46.08	54.00	-7.92	AV	Horizontal
5359.72	48.86	44.20	9.86	32.00	-2.34	46.51	74.00	-27.49	PK	Vertical
5359.72	40.27	44.20	9.86	32.00	-2.34	37.93	54.00	-16.07	AV	Vertical
5359.60	47.85	44.20	9.86	32.00	-2.34	45.51	74.00	-28.49	PK	Horizontal
5359.60	38.52	44.20	9.86	32.00	-2.34	36.18	54.00	-17.82	AV	Horizontal
7323.77	53.96	43.50	11.40	35.50	3.40	57.36	74.00	-16.64	PK	Vertical
7323.77	44.50	43.50	11.40	35.50	3.40	47.90	54.00	-6.10	AV	Vertical
7323.93	53.69	43.50	11.40	35.50	3.40	57.09	74.00	-16.91	PK	Horizontal
7323.93	44.35	43.50	11.40	35.50	3.40	47.75	54.00	-6.25	AV	Horizontal



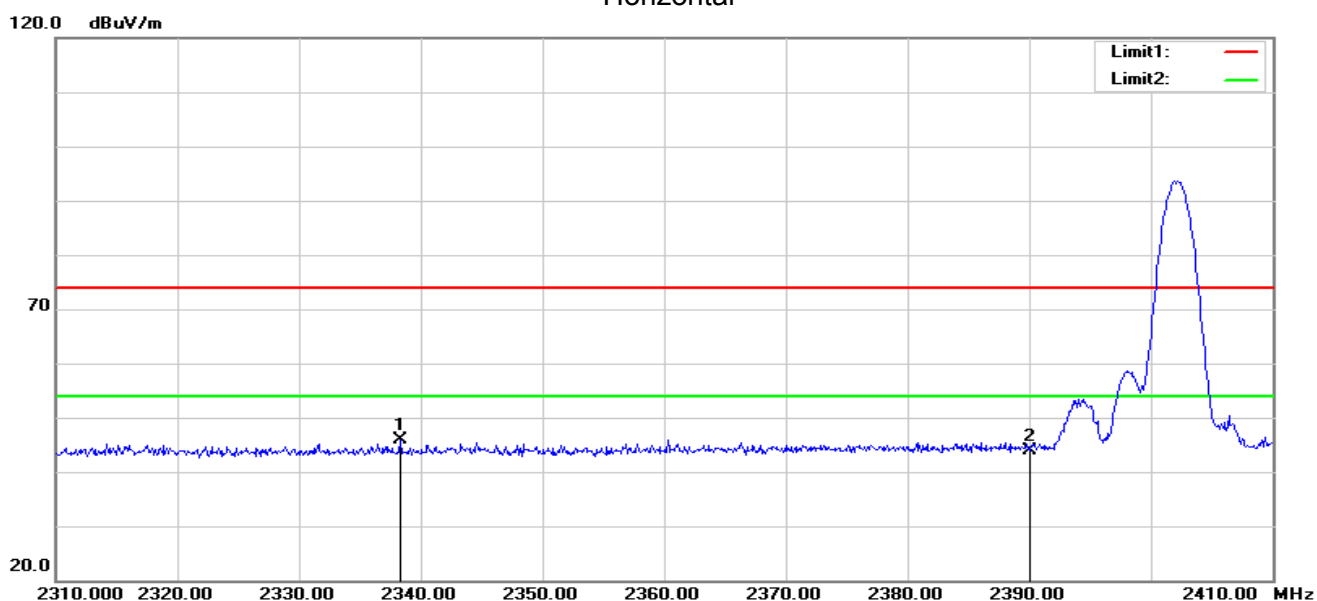
High Channel ($\pi/4$ -DQPSK/2480 MHz)										
3264.77	61.14	44.70	6.70	28.20	-9.80	51.34	74.00	-22.66	PK	Vertical
3264.77	50.63	44.70	6.70	28.20	-9.80	40.83	54.00	-13.17	AV	Vertical
3264.78	62.12	44.70	6.70	28.20	-9.80	52.32	74.00	-21.68	PK	Horizontal
3264.78	50.54	44.70	6.70	28.20	-9.80	40.74	54.00	-13.26	AV	Horizontal
4960.30	58.77	44.20	9.04	31.60	-3.56	55.21	74.00	-18.79	PK	Vertical
4960.30	50.54	44.20	9.04	31.60	-3.56	46.98	54.00	-7.02	AV	Vertical
4960.59	58.58	44.20	9.04	31.60	-3.56	55.02	74.00	-18.98	PK	Horizontal
4960.59	50.22	44.20	9.04	31.60	-3.56	46.66	54.00	-7.34	AV	Horizontal
5359.59	48.12	44.20	9.86	32.00	-2.34	45.78	74.00	-28.22	PK	Vertical
5359.59	39.75	44.20	9.86	32.00	-2.34	37.41	54.00	-16.59	AV	Vertical
5359.85	47.91	44.20	9.86	32.00	-2.34	45.57	74.00	-28.43	PK	Horizontal
5359.85	38.69	44.20	9.86	32.00	-2.34	36.35	54.00	-17.65	AV	Horizontal
7439.77	54.72	43.50	11.40	35.50	3.40	58.12	74.00	-15.88	PK	Vertical
7439.77	44.15	43.50	11.40	35.50	3.40	47.55	54.00	-6.45	AV	Vertical
7439.75	54.64	43.50	11.40	35.50	3.40	58.04	74.00	-15.96	PK	Horizontal
7439.75	43.86	43.50	11.40	35.50	3.40	47.26	54.00	-6.74	AV	Horizontal

Note:

- 1) Scan with GFSK, $\pi/4$ -DQPSK, the worst case is $\pi/4$ -DQPSK Mode.
- 2) Factor = Antenna Factor + Cable Loss – Pre-amplifier.
Emission Level = Reading + Factor
- 3) The frequency emission of peak points that did not show above the forms are at least 20dB below the limit, the frequency emission is mainly from the environment noise.

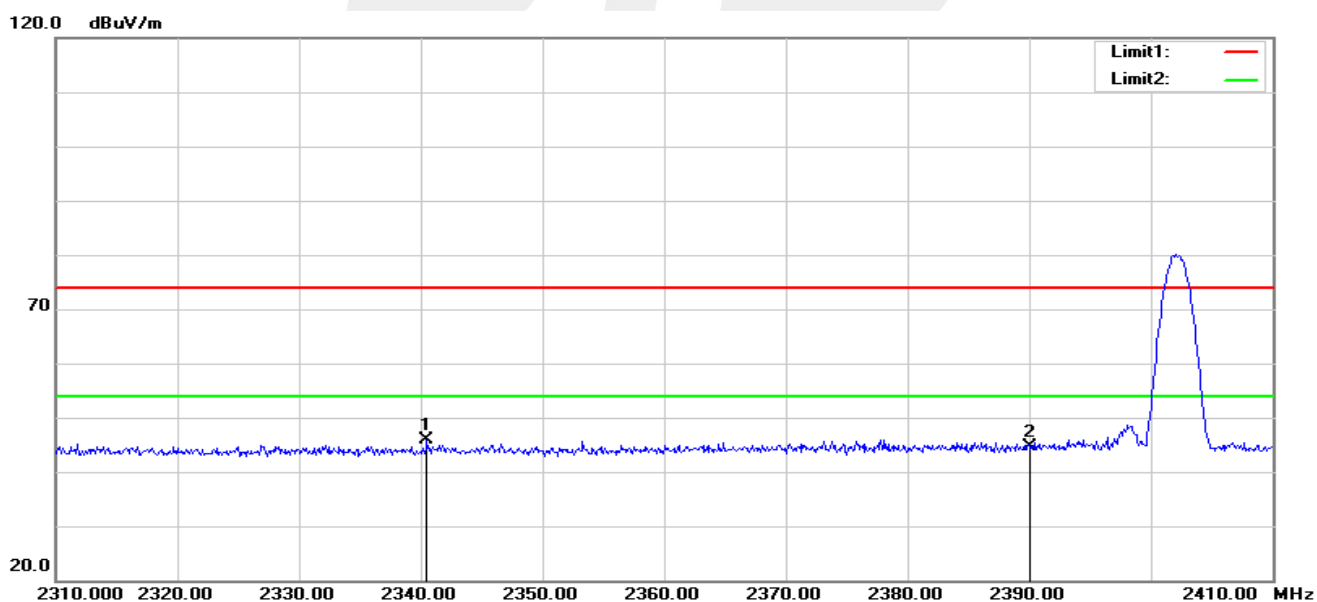


Restricted band Requirements

 $\pi/4$ -DQPSK-Low
Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2338.300	42.15	3.68	45.83	74.00	-28.17	peak
2	2390.000	39.58	4.34	43.92	74.00	-30.08	peak

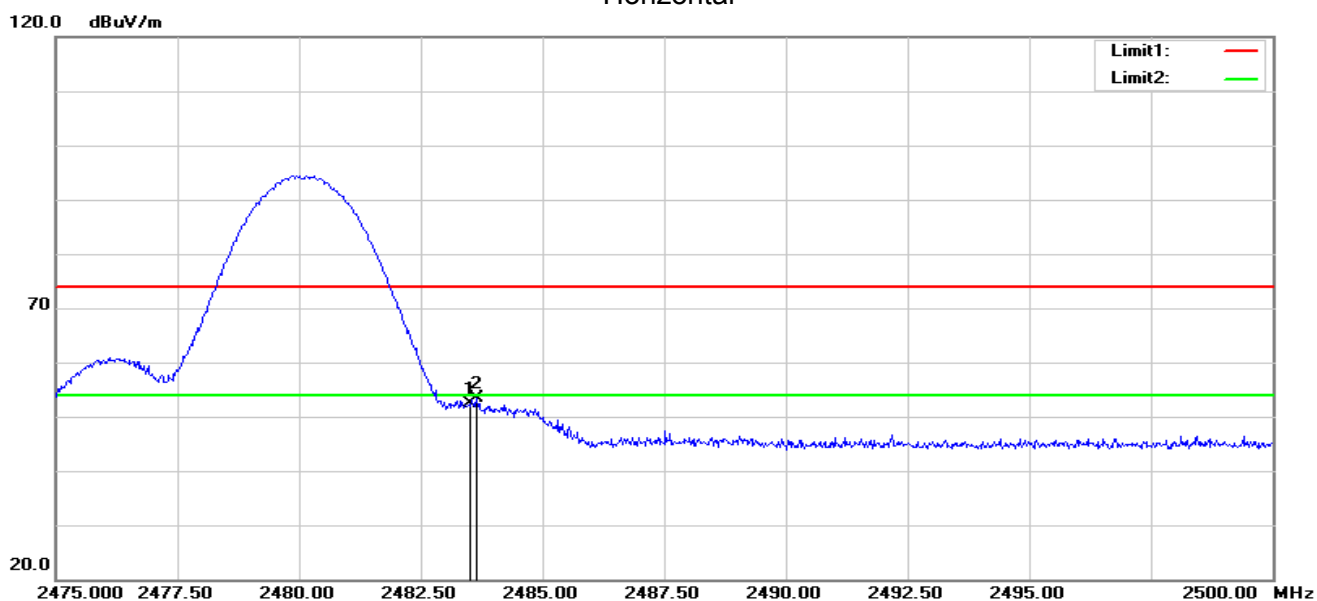
Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2340.500	42.24	3.69	45.93	74.00	-28.07	peak
2	2390.000	40.21	4.34	44.55	74.00	-29.45	peak

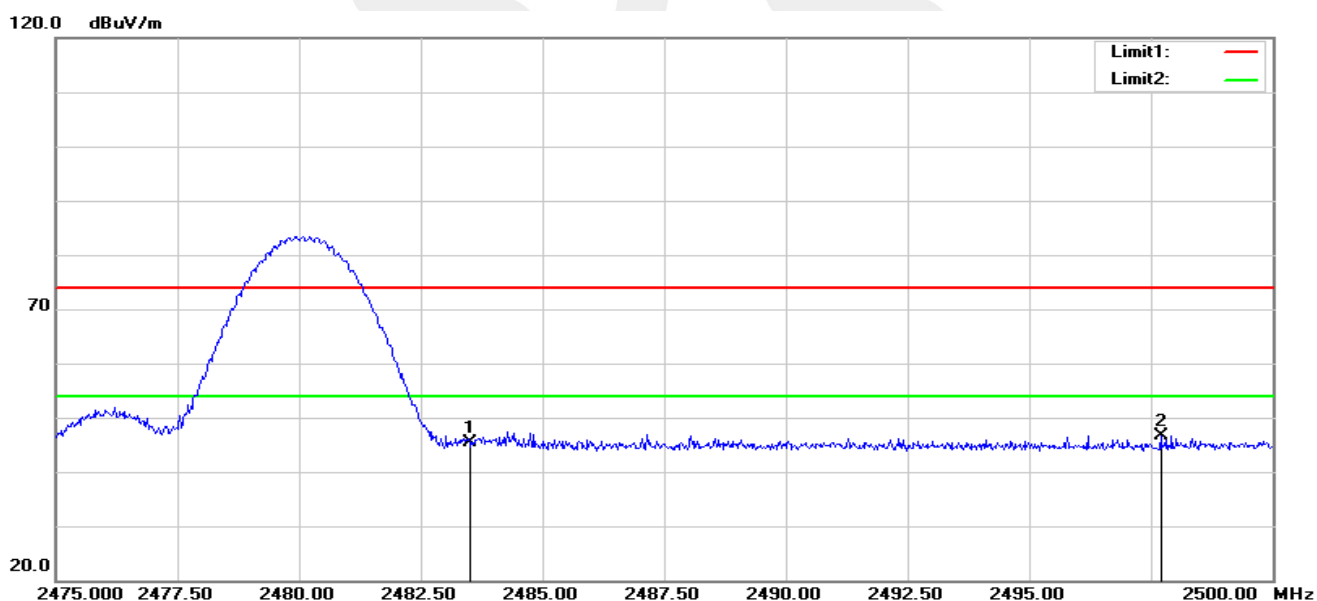


$\pi/4$ -DQPSK-High
Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	47.86	4.60	52.46	74.00	-21.54	peak
2	2483.650	48.72	4.60	53.32	74.00	-20.68	peak

Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	40.78	4.60	45.38	74.00	-28.62	peak
2	2497.700	41.94	4.64	46.58	74.00	-27.42	peak

Note: GFSK, $\pi/4$ -DQPSK of the nohopping and hopping mode all have been test, the worst case is $\pi/4$ -DQPSK of the nohopping mode, this report only show the worst case.

4. CONDUCTED SPURIOUS & BAND EDGE EMISSION

4.1 LIMIT

According to FCC section 15.247(d), in any 100kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

4.2 TEST PROCEDURE

Spectrum Parameter	Setting
Detector	Peak
Start/Stop Frequency	30 MHz to 10th carrier harmonic
RB / VB (emission in restricted band)	100 KHz/300 KHz
Trace-Mode:	Max hold

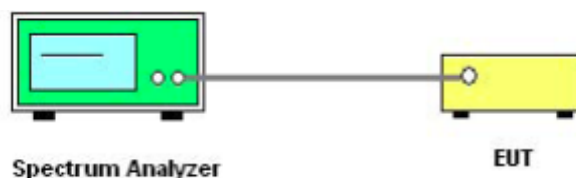
For Band edge

Spectrum Parameter	Setting
Detector	Peak
Start/Stop Frequency	Lower Band Edge: 2300– 2407 MHz Upper Band Edge: 2475 – 2500 MHz
RB / VB (emission in restricted band)	100 KHz/300 KHz
Trace-Mode:	Max hold

For Hopping Band edge

Spectrum Parameter	Setting
Detector	Peak
Start/Stop Frequency	Lower Band Edge: 2300– 2403 MHz Upper Band Edge: 2479 – 2500 MHz
RB / VB (emission in restricted band)	100 KHz/300 KHz
Trace-Mode:	Max hold

4.3 TEST SETUP



The EUT is connected to the Spectrum Analyzer; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. In order to make an accurate measurement, set the span greater than RBW.

4.4 EUT OPERATION CONDITIONS

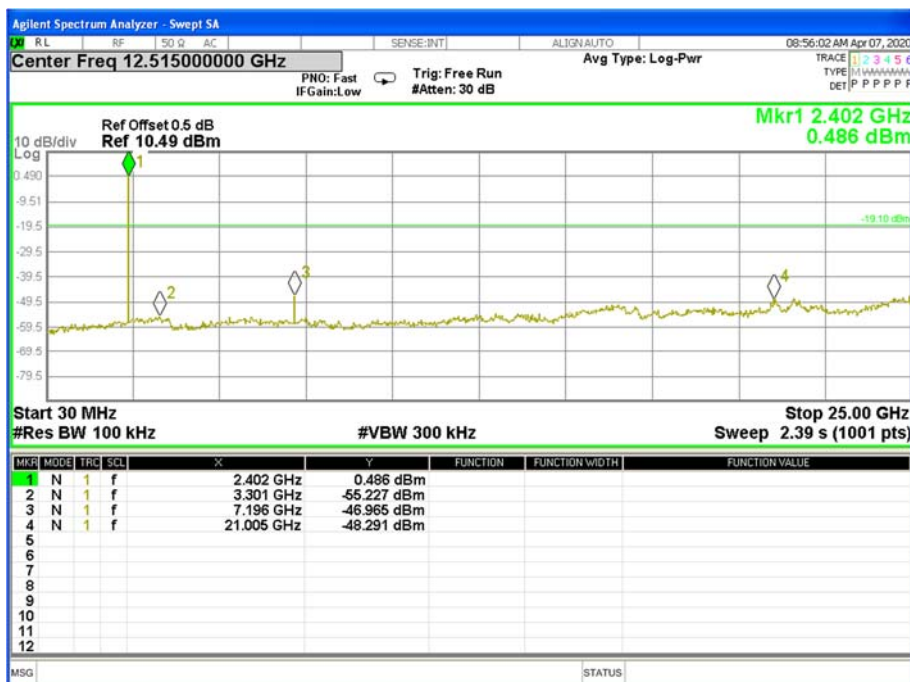
The EUT tested system was configured as the statements of 2.3 Unless otherwise a special operating condition is specified in the follows during the testing.



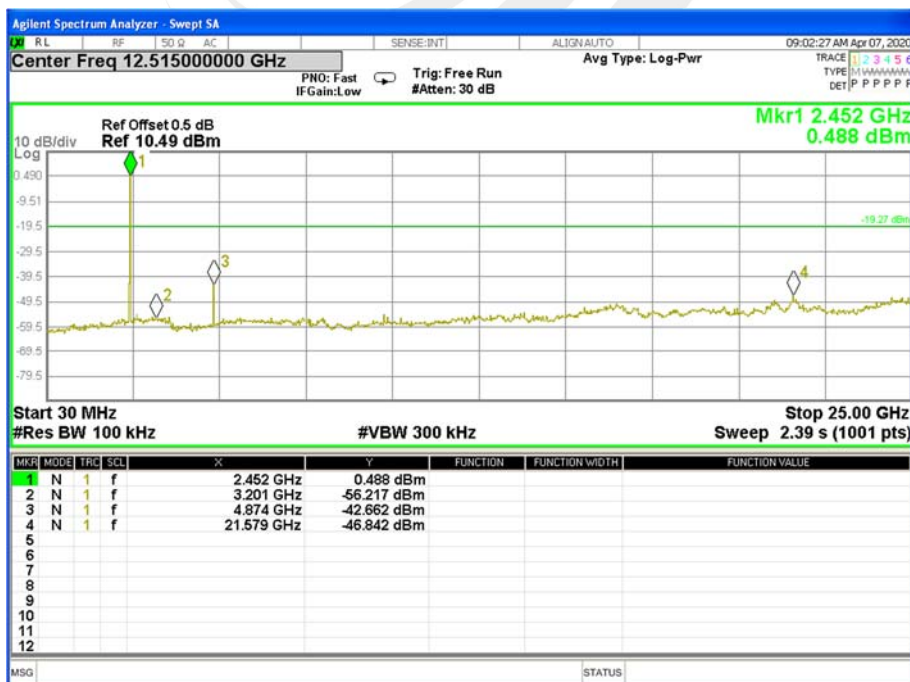
4.5 TEST RESULTS

Temperature:	25°C	Relative Humidity:	50%
Test Mode:	GFSK(1Mbps)-00/39/78 CH	Test Voltage:	DC 3.7V

00 CH

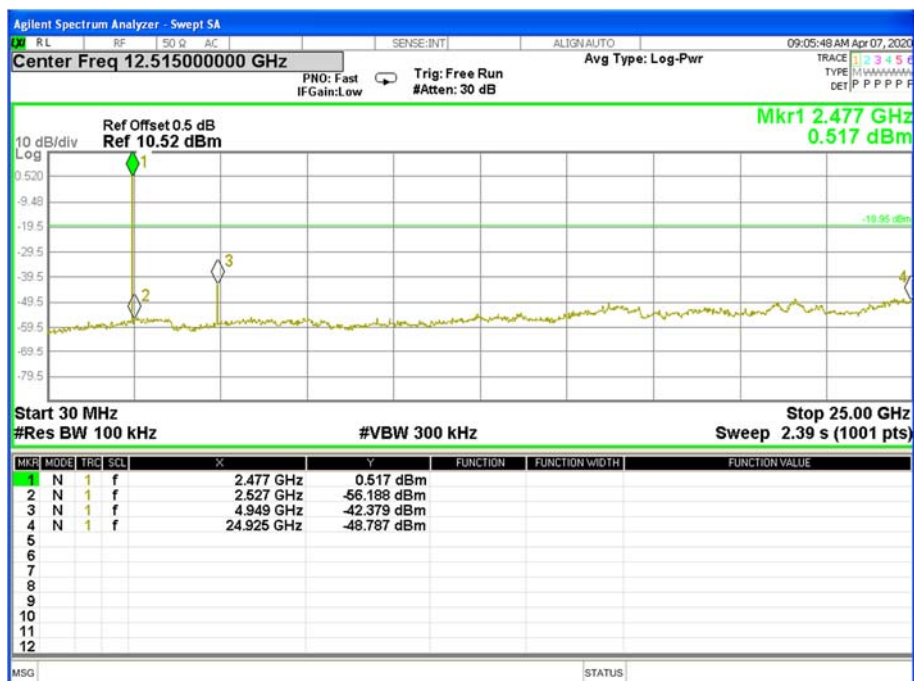


39 CH





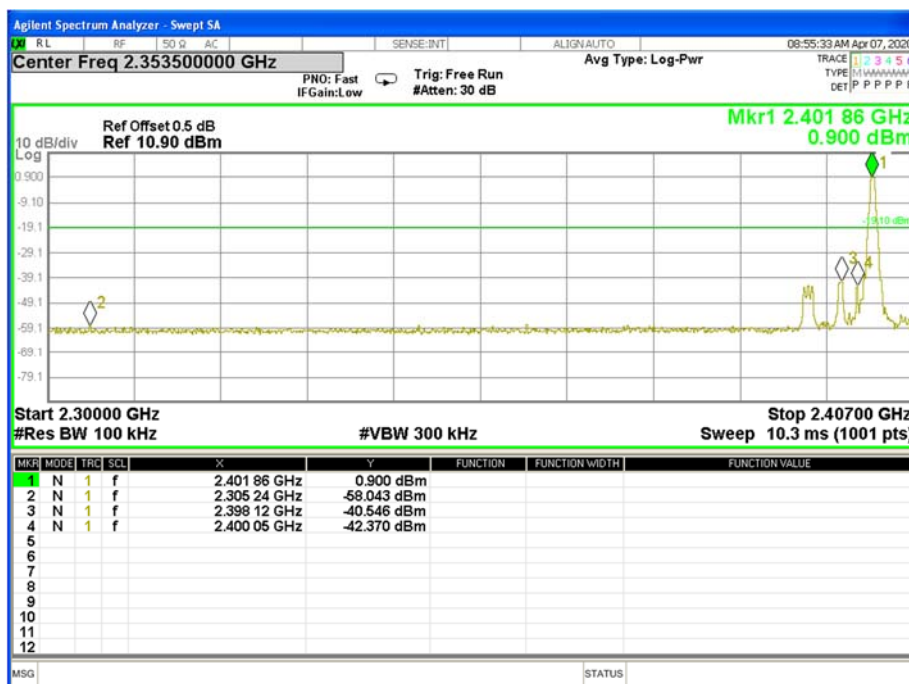
78 CH



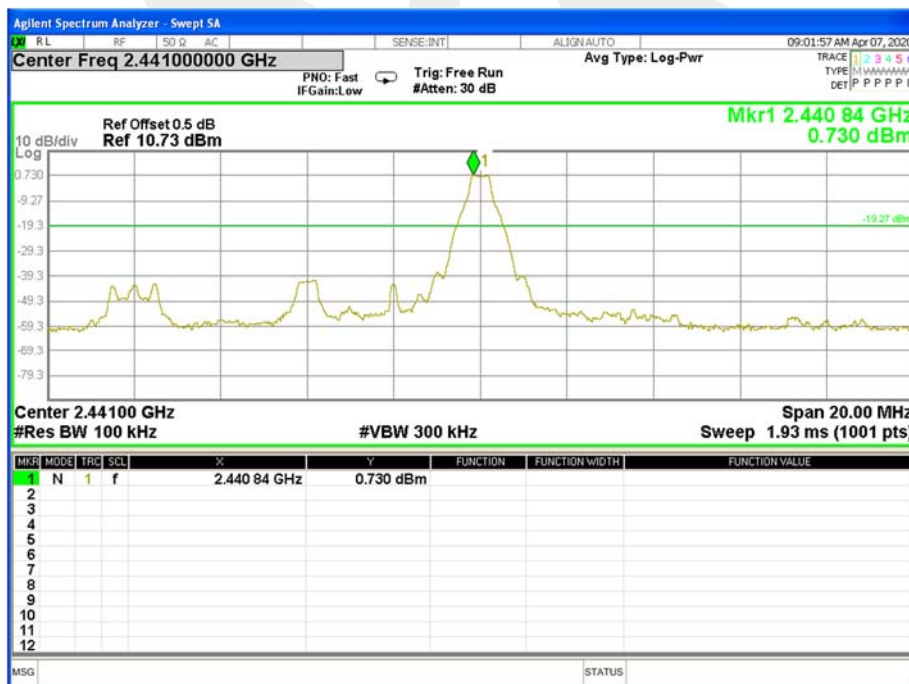


For Band edge(it's also the reference level for conducted spurious emission)

00 CH

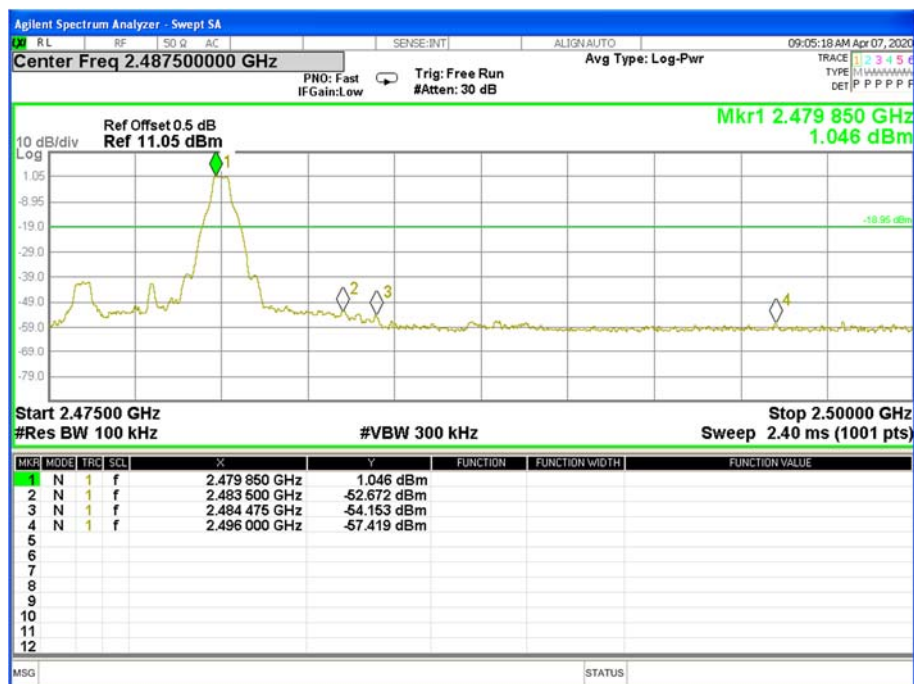


39 CH





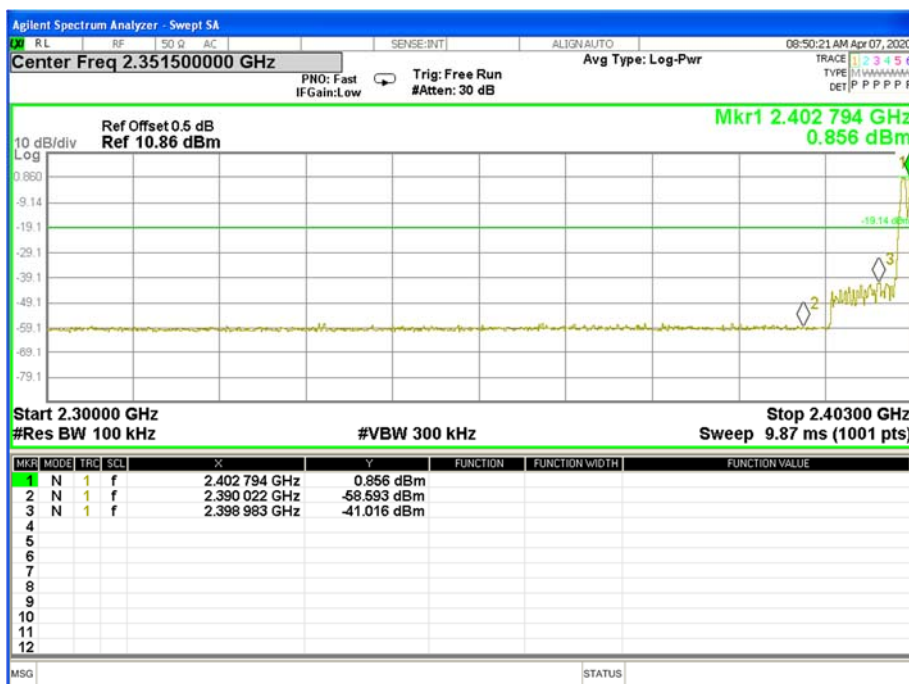
78 CH



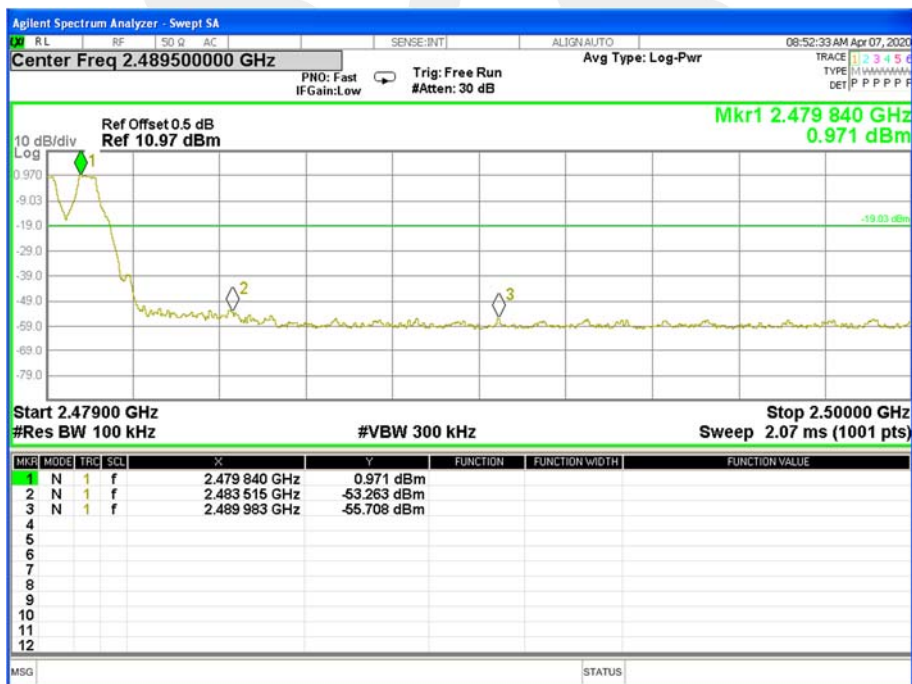


For Hopping Band edge

00 CH



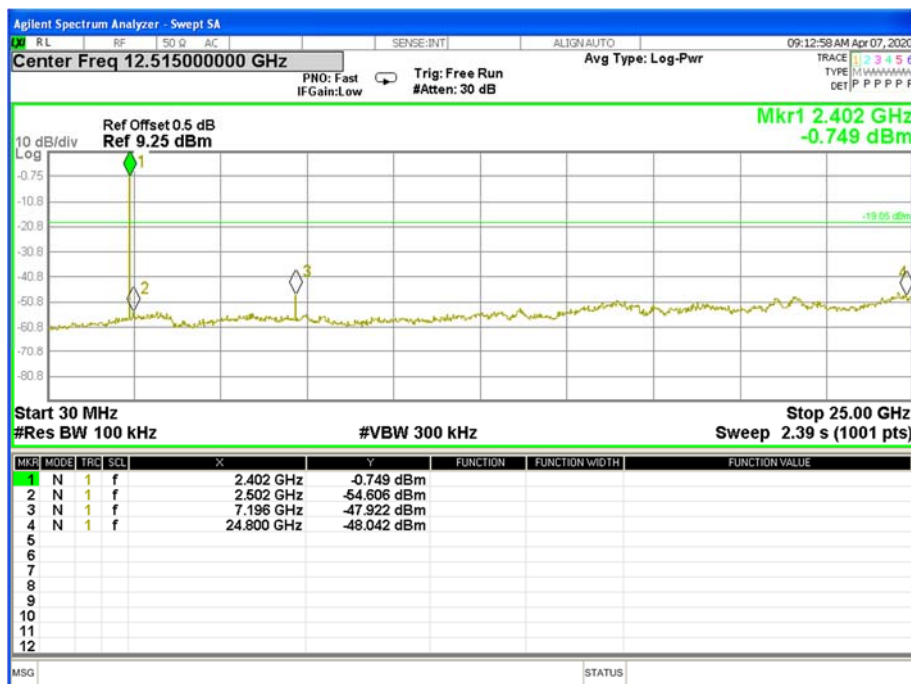
78 CH



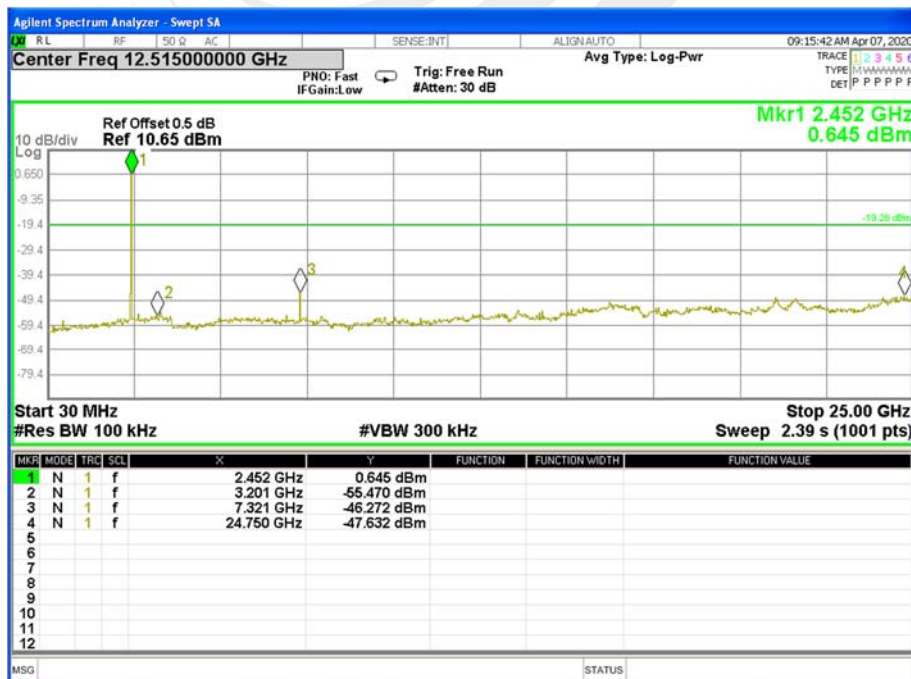


Temperature:	25°C	Relative Humidity:	50%
Test Mode:	$\pi/4$ -DQPSK(2Mbps)- 00/39/78 CH	Test Voltage:	DC 3.7V

00 CH

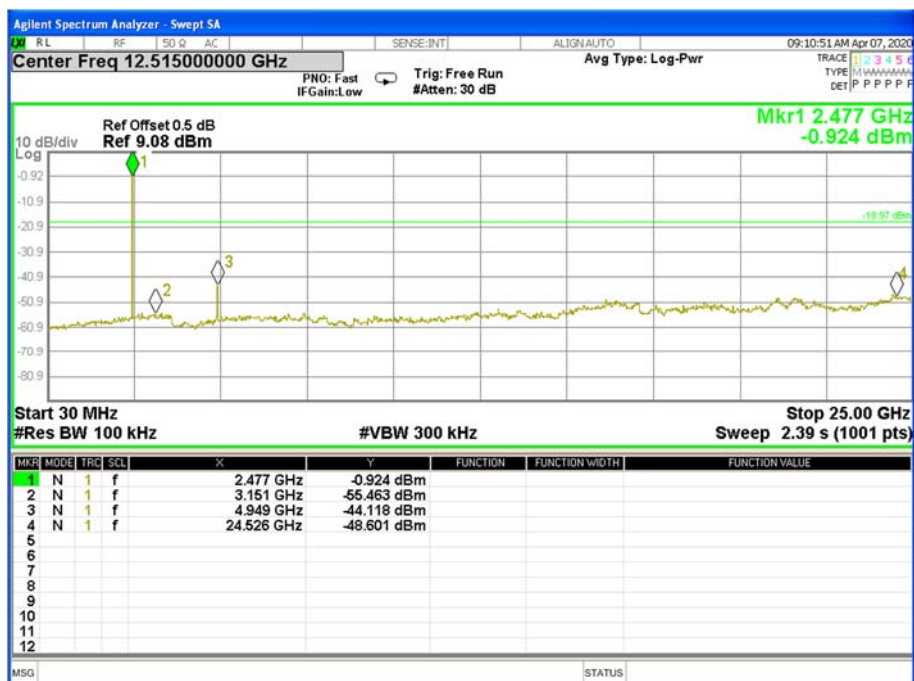


39 CH





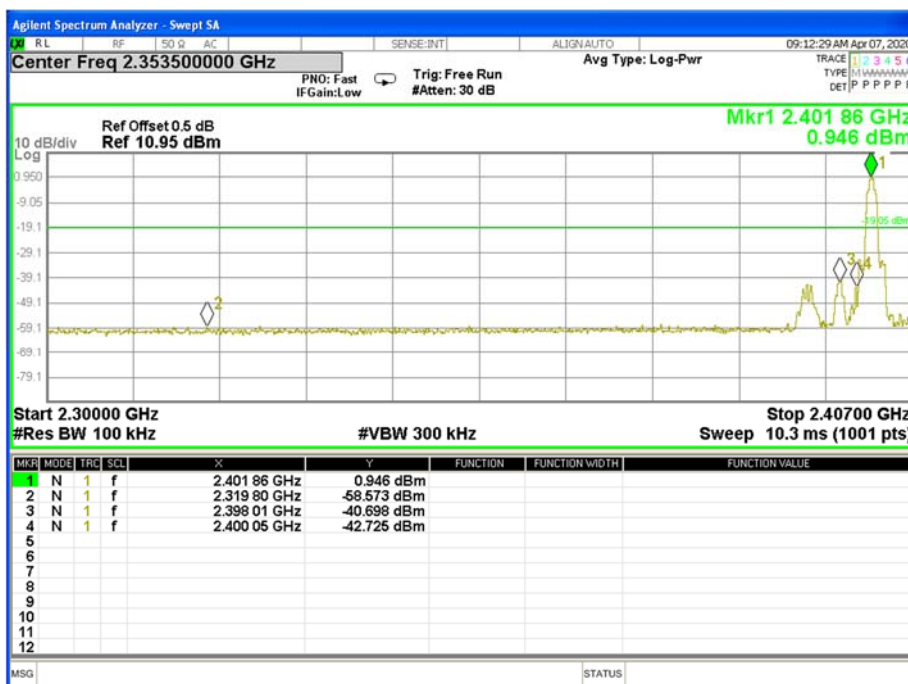
78 CH



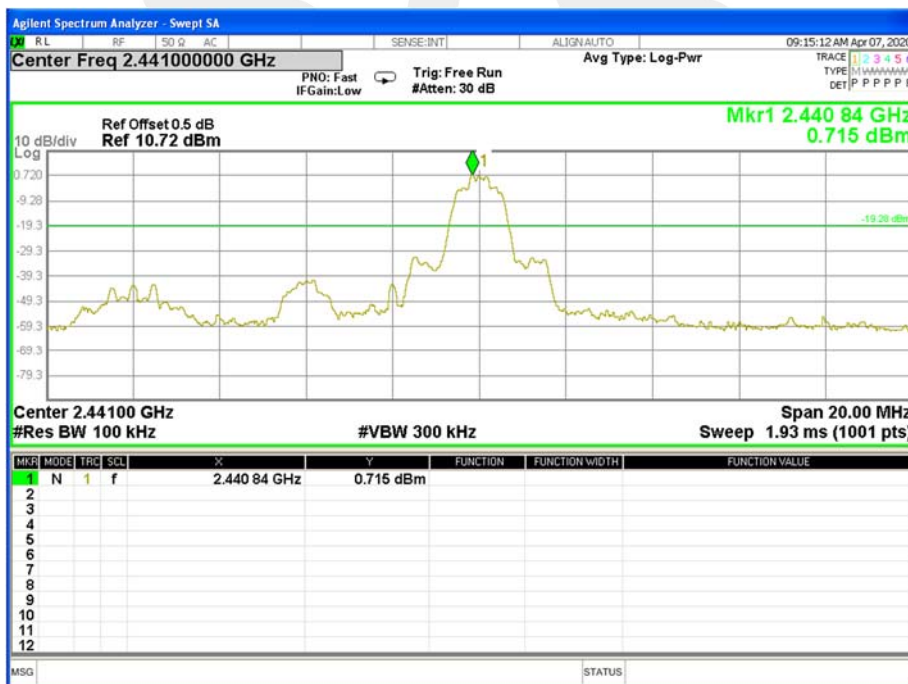


For Band edge(it's also the reference level for conducted spurious emission)

00 CH

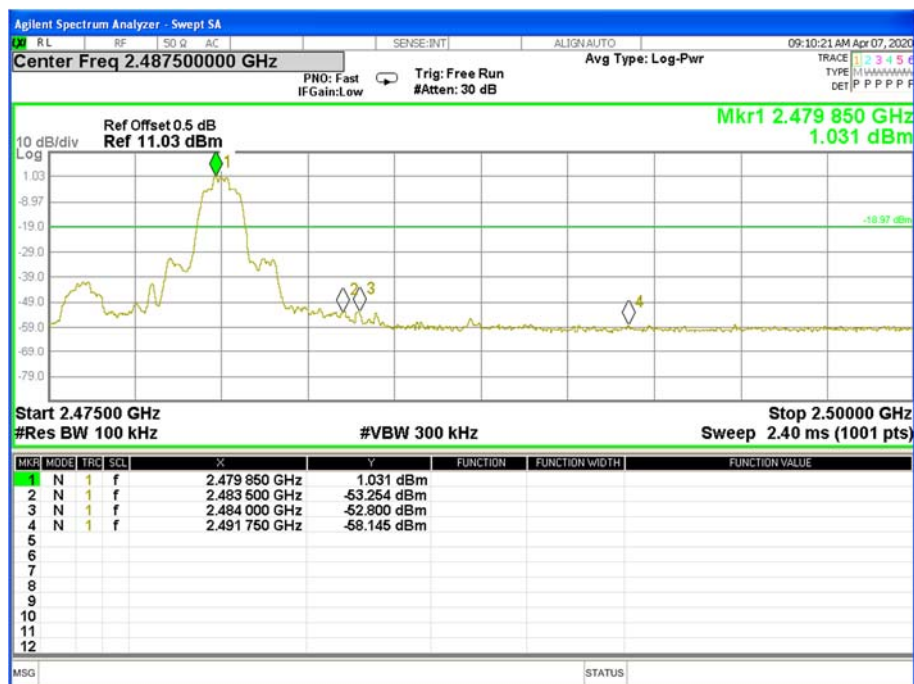


39 CH





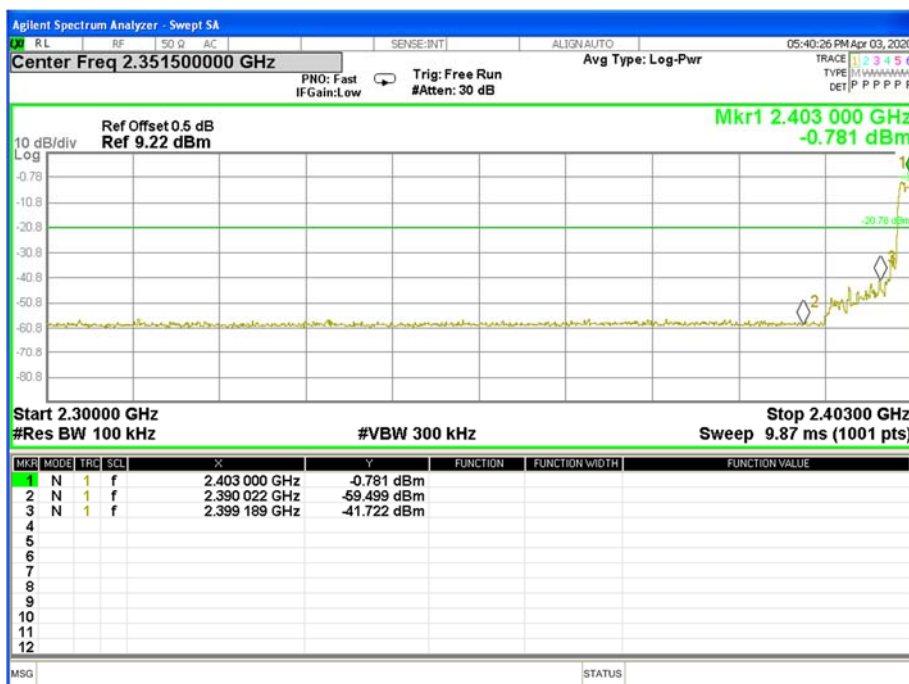
78 CH



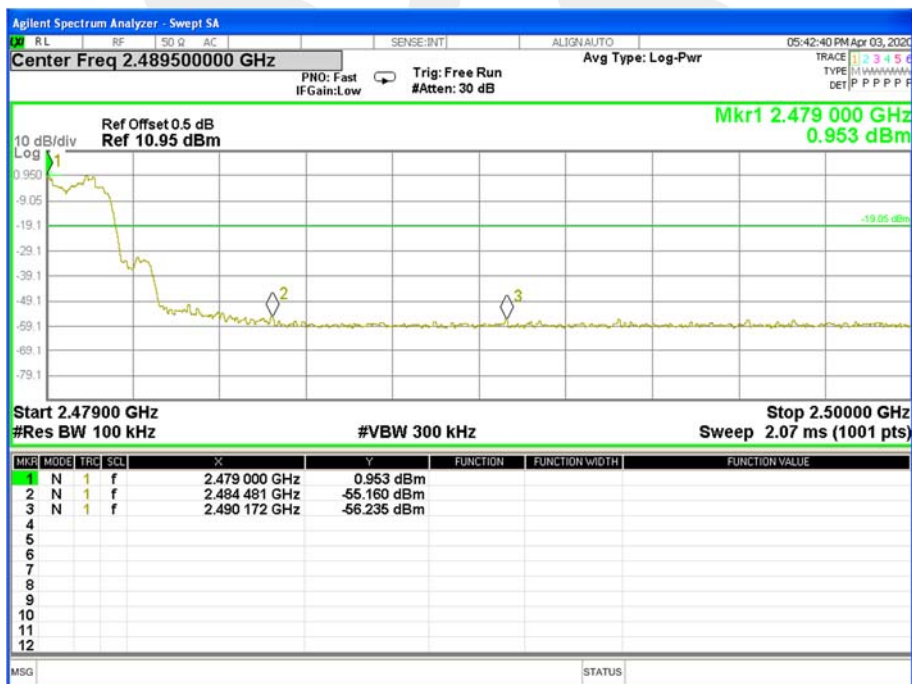


For Hopping Band edge

00 CH



78 CH





5. NUMBER OF HOPPING CHANNEL

5.1 LIMIT

FCC Part 15.247, Subpart C				
Section	Test Item	Limit	FrequencyRange (MHz)	Result
15.247 (a)(1)(iii)	Number of Hopping Channel	≥ 15	2400-2483.5	PASS

Spectrum Parameters	Setting
Attenuation	Auto
Span Frequency	> Operating FrequencyRange
RB	300KHz
VB	300KHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

5.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- Spectrum Setting: RBW= 300KHz, VBW=300KHz, Sweep time = Auto.

5.3 TEST SETUP



5.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.



5.5 TEST RESULTS

Temperature:	25°C	Relative Humidity:	60%
Test Mode:	Hopping Mode -GFSK Mode	Test Voltage:	DC 3.7V

Number of Hopping Channel

79

Hopping channel





6. AVERAGE TIME OF OCCUPANCY

6.1 LIMIT

FCC Part 15.247, Subpart C				
Section	Test Item	Limit	FrequencyRange (MHz)	Result
15.247 (a)(1)(iii)	Average Time of Occupancy	0.4sec	2400-2483.5	PASS

6.2 TEST PROCEDURE

- The transmitter output (antenna port) was connected to the spectrum analyzer.
- Set RBW = 1MHz/VBW = 3MHz.
- Use a video trigger with the trigger level set to enable triggering only on full pulses.
- Sweep Time is more than once pulse time.
Set the center frequency on any frequency would be measure and set the frequency span to zero span.
- Measure the maximum time duration of one single pulse.
- Set the EUT for DH5, DH3 and DH1 packet transmitting.
- Measure the maximum time duration of one single pulse.
- DH5 Packet permit maximum $1600 / 79 / 6 = 3.37$ hops per second in each channel (5 time slots RX, 1 time slot TX). So the dwell time is the time duration of the pulse times $3.37 \times 31.6 = 106.6$ within 31.6 seconds.
- DH3 Packet permit maximum $1600 / 79 / 4 = 5.06$ hops per second in each channel (3 time slots RX, 1 time slot TX). So the dwell time is the time duration of the pulse times $5.06 \times 31.6 = 160$ within 31.6 seconds.
- DH1 Packet permit maximum $1600 / 79 / 2 = 10.12$ hops per second in each channel (1 time slot RX, 1 time slot TX). So the dwell time is the time duration of the pulse times $10.12 \times 31.6 = 320$ within 31.6 seconds.

6.3 TEST SETUP



6.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.



6.5 TEST RESULTS

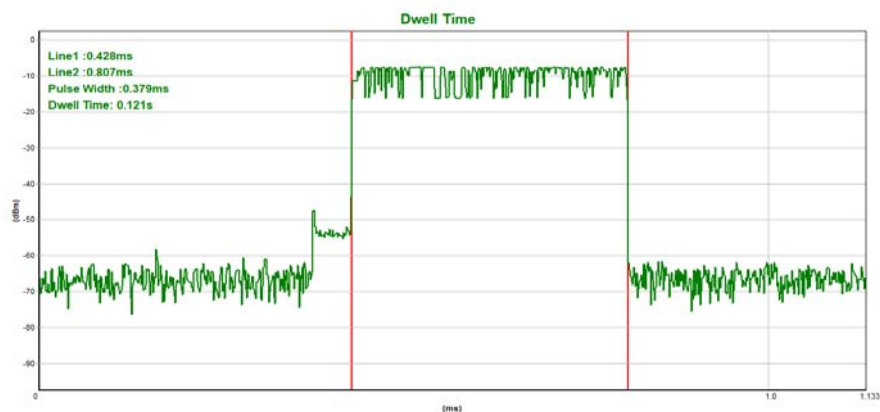
Temperature:	25℃	Relative Humidity:	50%
Test Mode:	GFSK(1Mbps)-DH1/DH3/DH5	Test Voltage:	DC 3.7V

Data Packet	Channel	pulse time(ms)	Dwell Time(s)	Limits(s)
DH1	middle	0.379	0.121	0.4
DH3	middle	1.640	0.262	0.4
DH5	middle	2.892	0.308	0.4





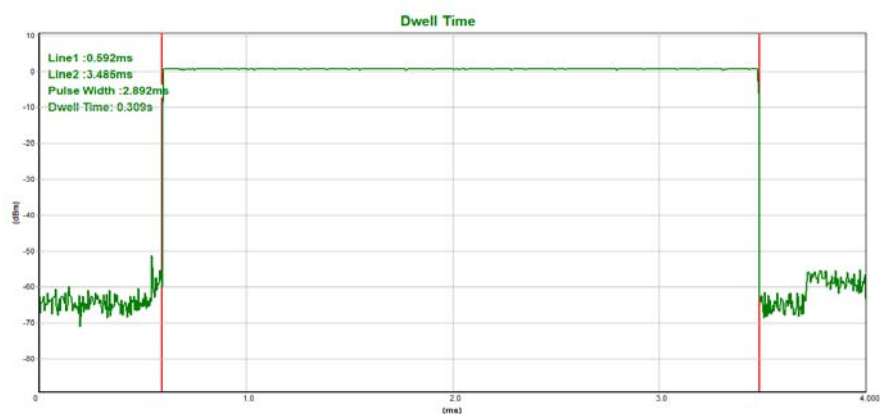
CH39-DH1



CH39-DH3



CH39-DH5





Temperature:	25℃	Relative Humidity:	50%
Test Mode:	$\pi/4$ -DQPSK(2Mbps)- 2DH1/2DH3/2DH5	Test Voltage:	DC 3.7V

Data Packet	Channel	pulse time(ms)	Dwell Time(s)	Limits(s)
2DH1	middle	0.388	0.124	0.4
2DH3	middle	1.646	0.263	0.4
2DH5	middle	2.893	0.309	0.4

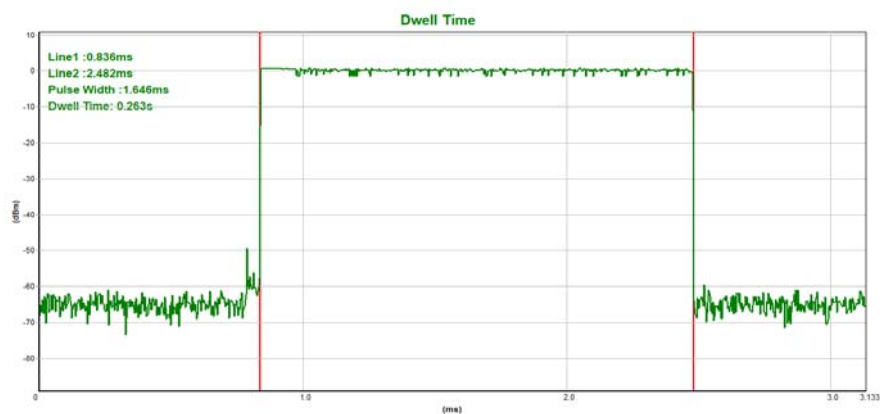




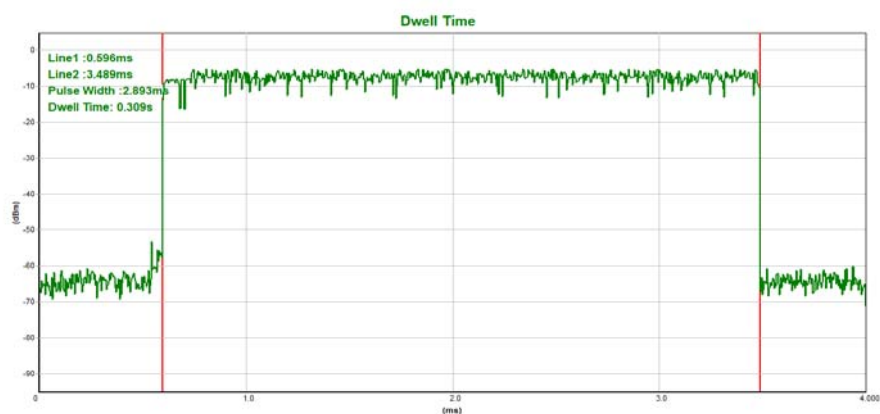
CH39-2DH1



CH39-2DH3



CH39-2DH5



7. HOPPING CHANNEL SEPARATION MEASUREMENT

7.1 LIMIT

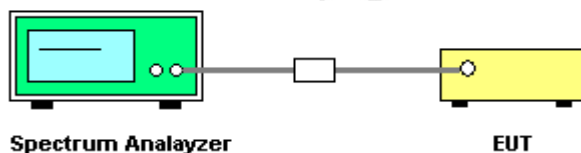
Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that 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 125 mW.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	> 20 dB Bandwidth or Channel Separation
RB	30 kHz (20dB Bandwidth) / 30 kHz (Channel Separation)
VB	100 kHz (20dB Bandwidth) / 100 kHz (Channel Separation)
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

7.2 TEST PROCEDURE

- The transmitter output (antenna port) was connected to the spectrum analyser in peak hold mode.
- The resolution bandwidth of 30 kHz and the video bandwidth of 100 kHz were utilised for 20 dB bandwidth measurement.
- The resolution bandwidth of 30 kHz and the video bandwidth of 100 kHz were utilised for channel separation measurement.

7.3 TEST SETUP



7.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.



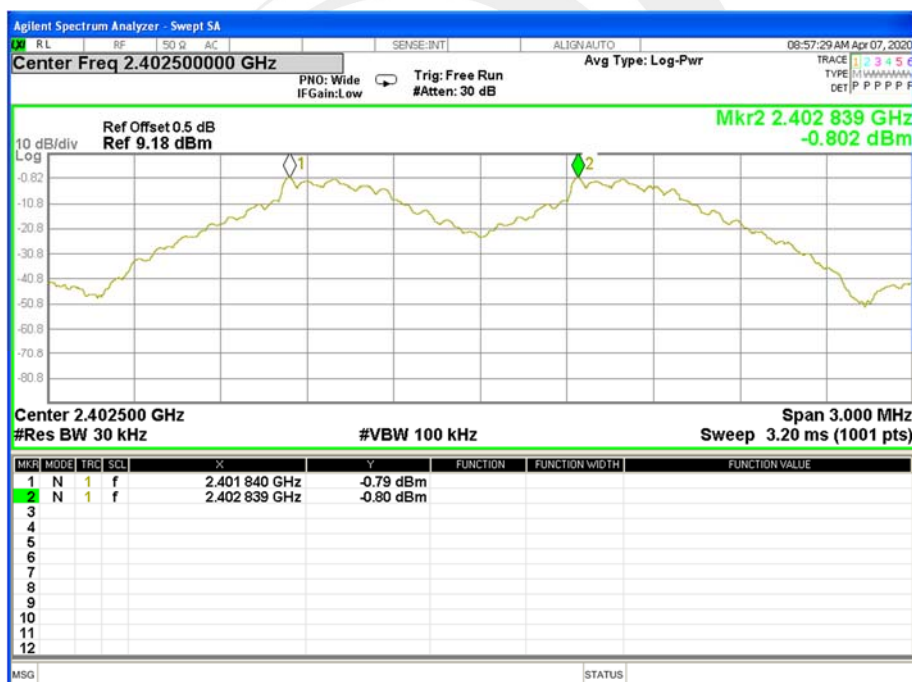
7.5 TEST RESULTS

Temperature:	25°C	Relative Humidity:	50%
Test Mode:	CH00 / CH39 / CH78 (GFSK(1Mbps) Mode)	Test Voltage:	DC 3.7V

Frequency	Mark1 Frequency (MHz)	Mark2 Frequency (MHz)	Ch. Separation (MHz)	Limit (MHz)	Result
2402 MHz	2401.840	2402.839	0.999	0.874	Complies
2441 MHz	2440.837	2441.839	1.002	0.874	Complies
2480 MHz	2478.840	2479.992	1.152	0.875	Complies

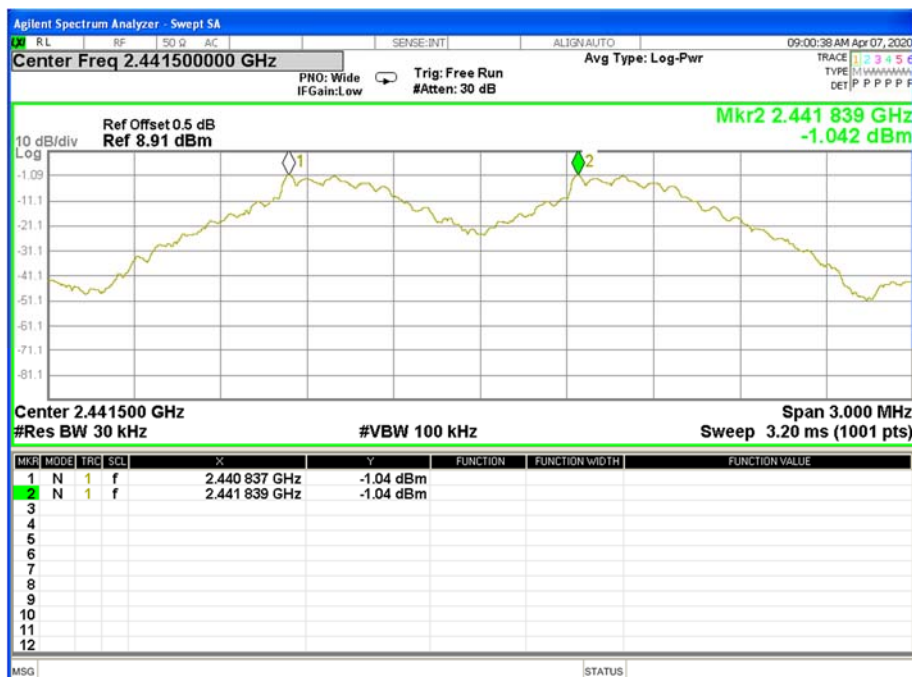
For GFSK: Ch. Separation Limits: > 20dB bandwidth

CH00 -1Mbps

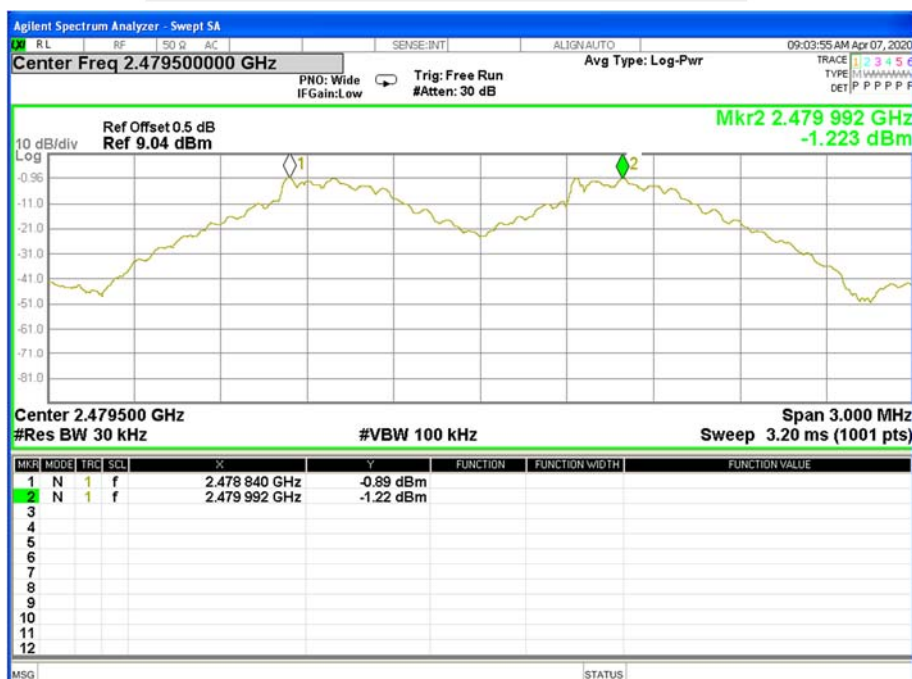




CH39 -1Mbps



CH78 -1Mbps



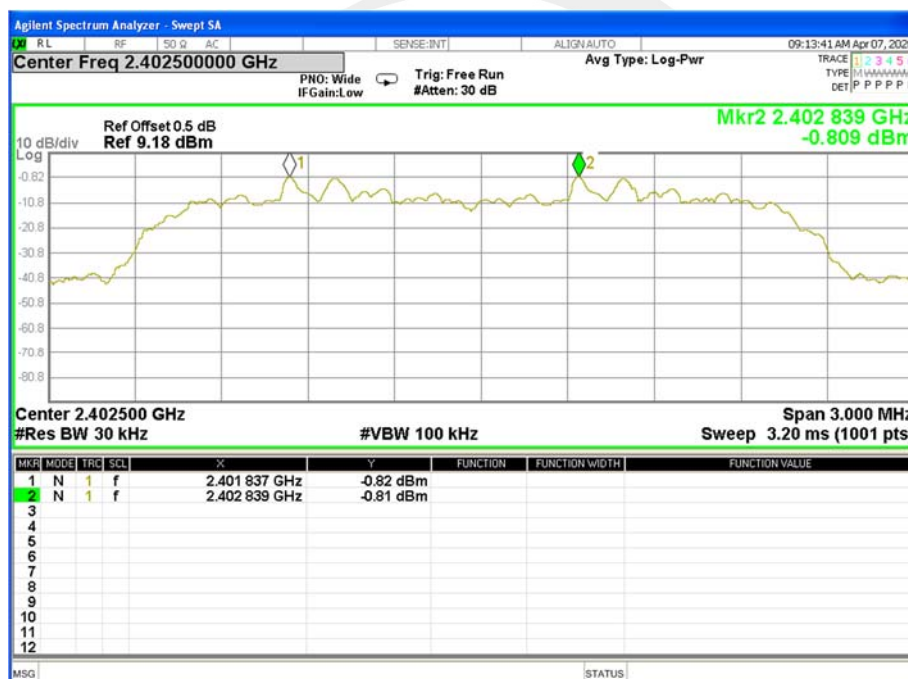


Temperature:	25°C	Relative Humidity:	50%
Test Mode:	CH00 / CH39 / CH78 ($\pi/4$ -DQPSK(2Mbps) Mode)	Test Voltage:	DC 3.7V

Frequency	Mark1 Frequency (MHz)	Mark2 Frequency (MHz)	Ch. Separation (MHz)	Limit (MHz)	Result
2402 MHz	2401.837	2402.839	1.002	0.837	Complies
2441 MHz	2440.837	2441.839	1.002	0.835	Complies
2480 MHz	2478.837	2479.836	0.999	0.836	Complies

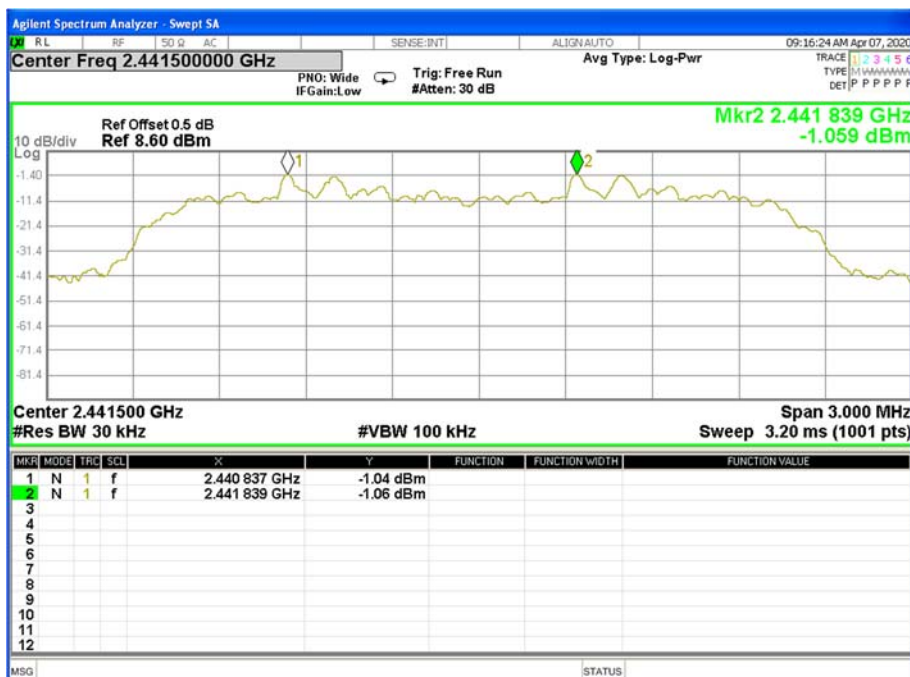
For $\pi/4$ -DQPSK(2Mbps): Ch. Separation Limits: > two-thirds 20dB bandwidth

CH00 -2Mbps

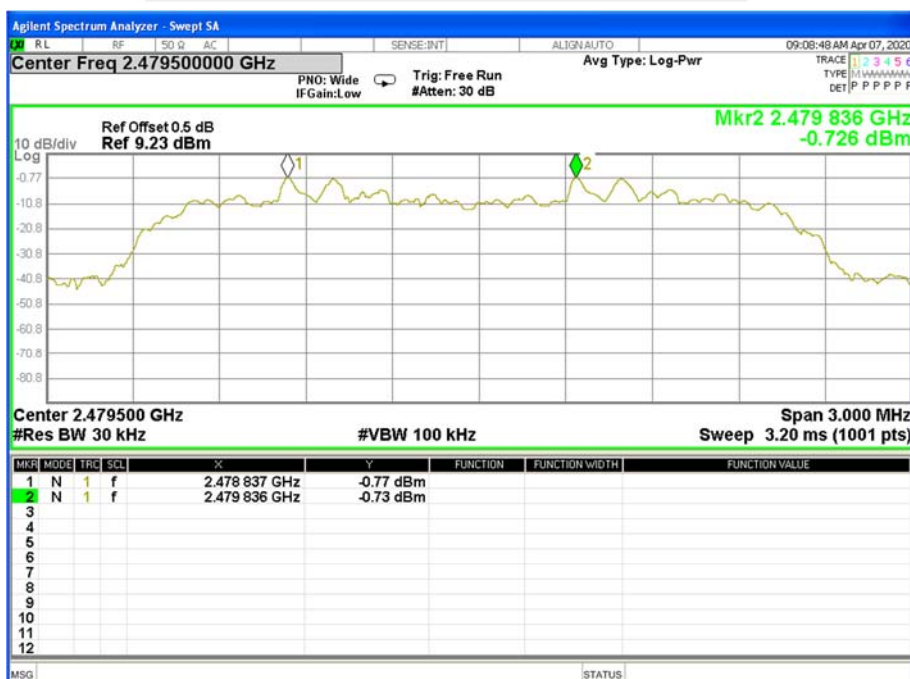




CH39 -2Mbps



CH78 -2Mbps





8. BANDWIDTH TEST

8.1 LIMIT

FCC Part15 15.247, Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247 (a)(1)	Bandwidth	(20dB bandwidth)	2400-2483.5	PASS

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	> Measurement Bandwidth or Channel Separation
RB	30 kHz (20dB Bandwidth) / 30 kHz (Channel Separation)
VB	100 kHz (20dB Bandwidth) / 100 kHz (Channel Separation)
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

8.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as shown in the block diagram below.
- Spectrum Setting: RBW= 30KHz, VBW=100KHz, Sweep time = Auto.

8.3 TEST SETUP



8.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

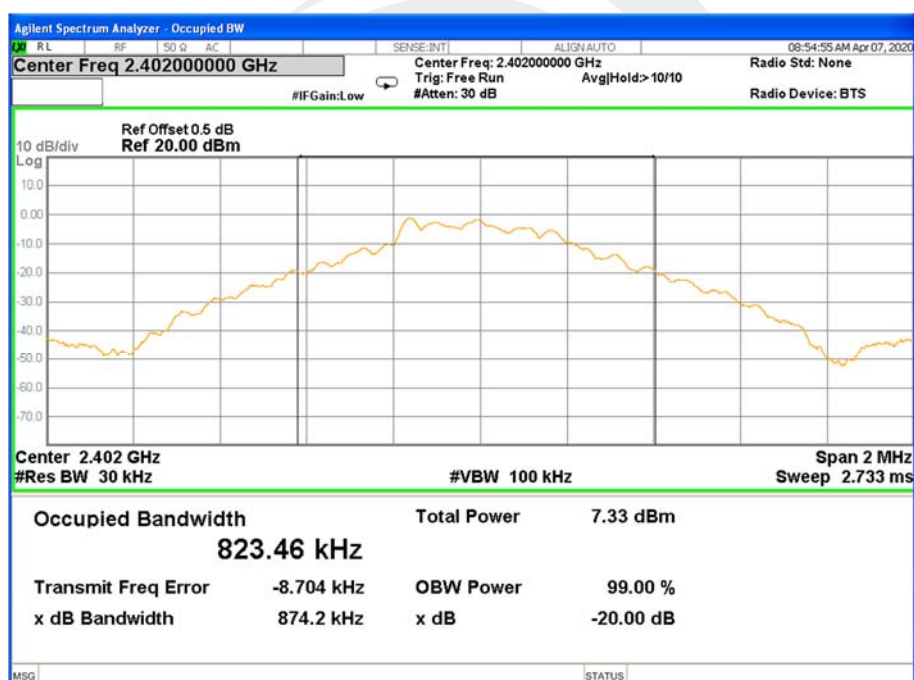


8.5 TEST RESULTS

Temperature:	25°C	Relative Humidity:	50%
Test Mode:	GFSK(1Mbps) CH00 / CH39 / C78	Test Voltage:	DC 3.7V

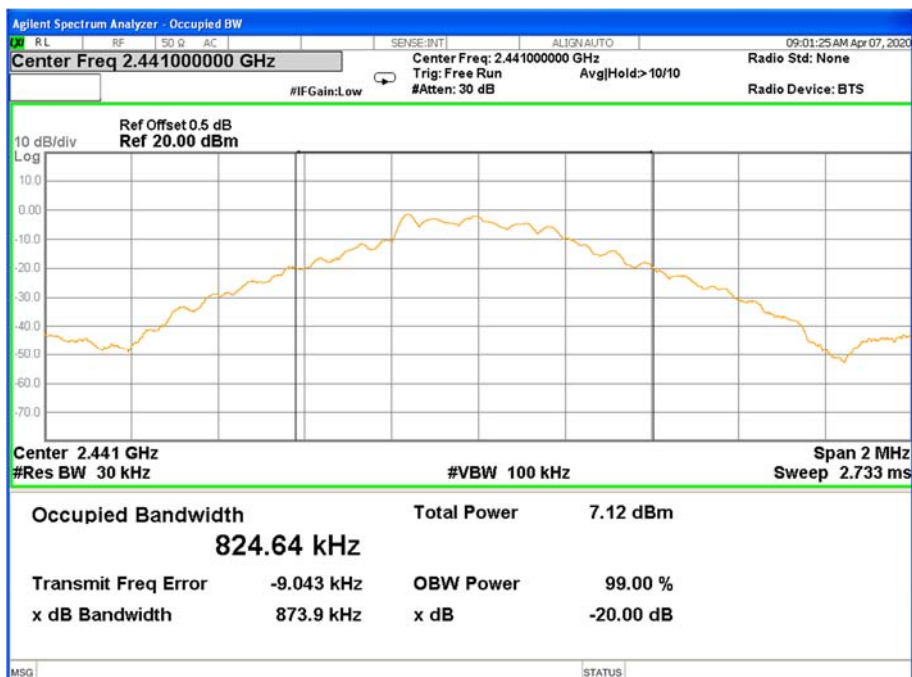
Frequency	20dB Bandwidth (MHz)	Result
2402 MHz	0.874	PASS
2441 MHz	0.874	PASS
2480 MHz	0.875	PASS

CH00 -1Mbps

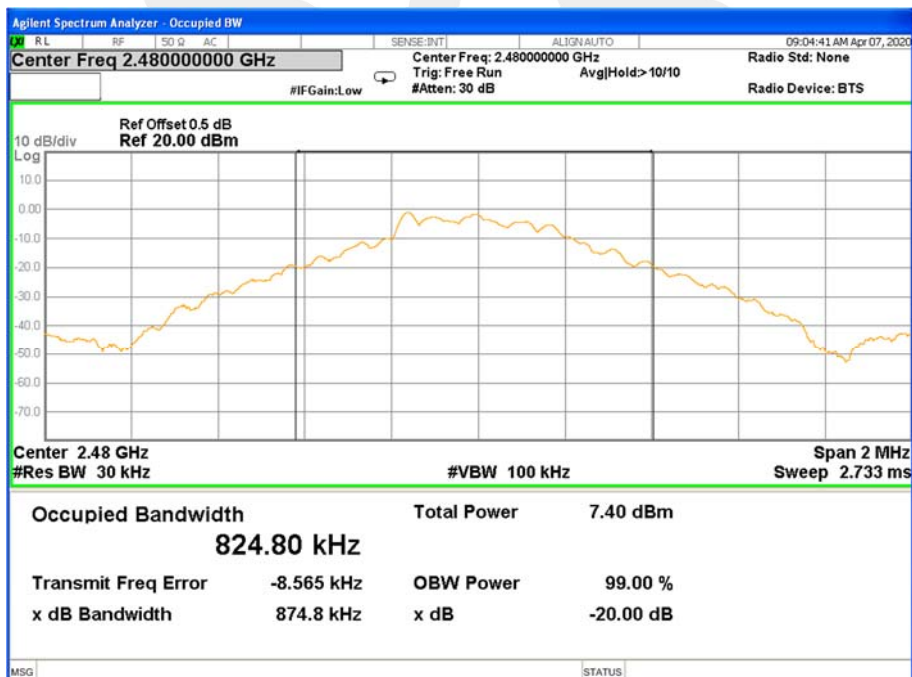




CH39 -1Mbps



CH78 -1Mbps

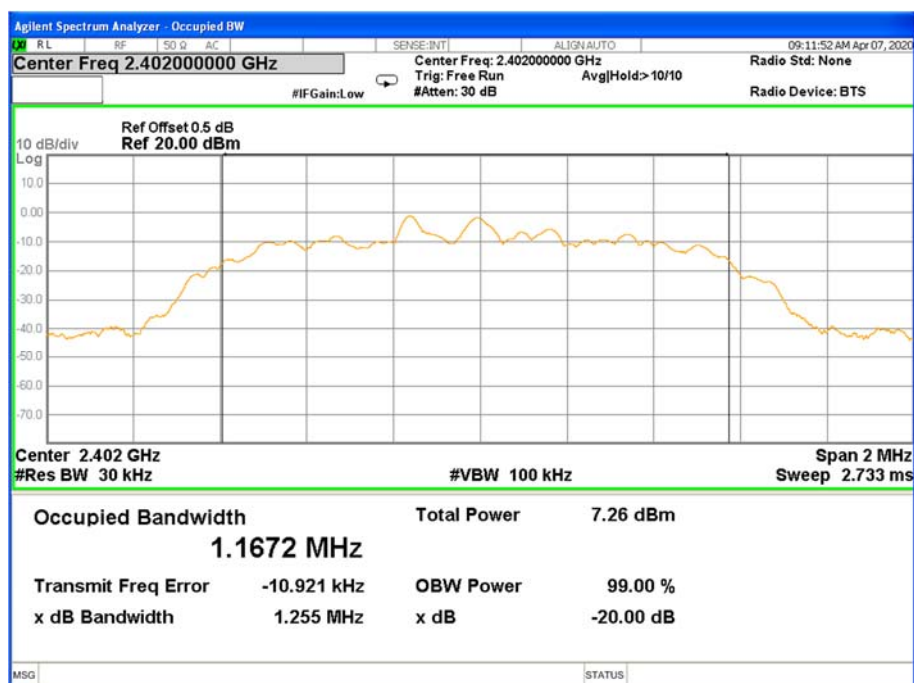




Temperature:	25°C	Relative Humidity:	50%
Test Mode:	$\pi/4$ -DQPSK(2Mbps) CH00 / CH39 / C78	Test Voltage:	DC 3.7V

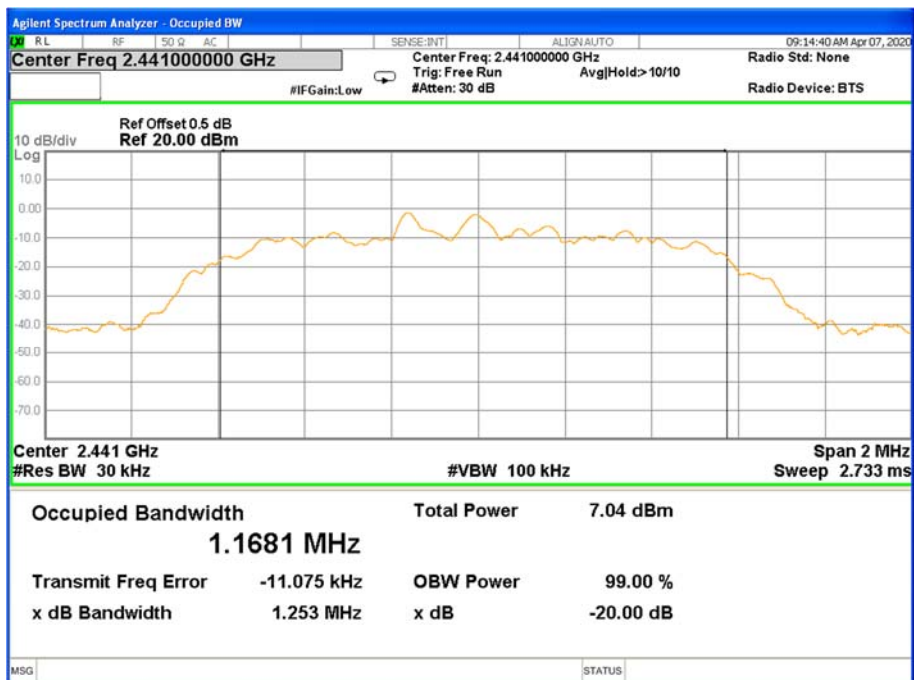
Frequency	20dB Bandwidth (MHz)	Result
2402 MHz	1.255	PASS
2441 MHz	1.253	PASS
2480 MHz	1.254	PASS

CH00 -2Mbps

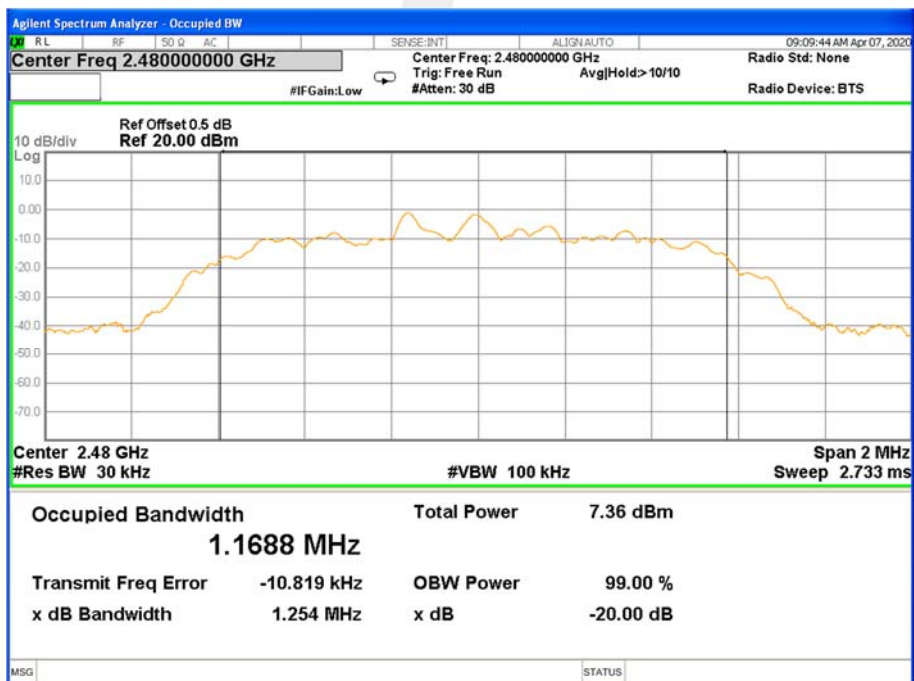




CH39 -2Mbps



CH78 -2Mbps





9. OUTPUT POWER TEST

9.1 LIMIT

FCC Part 15.247, Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247 (a)(1)&(b)(1)	Output Power	1 W or 0.125W	2400-2483.5	PASS
		if channel separation > 2/3 bandwidth provided the systems operate with an output power no greater than 125 mW (20.97 dBm)		

9.2 TEST PROCEDURE

One of the following procedures may be used to determine the maximum peak conducted output power of a DTS EUT.

RBW $\geq$ DTS bandwidth

The following procedure shall be used when an instrument with a resolution bandwidth that is greater than the DTS bandwidth is available to perform the measurement:

- Set the RBW $\geq$ DTS bandwidth.
- Set VBW $\geq$ [3 $\times$ RBW].
- Set span $\geq$ [3 $\times$ RBW].
- Sweep time = auto couple.
- Detector = peak.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- Use peak marker function to determine the peak amplitude level.

Integrated band power method:

The following procedure can be used when the maximum available RBW of the instrument is less than the

DTS bandwidth:

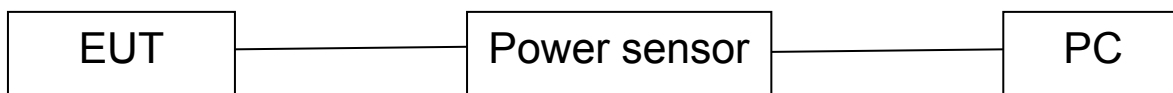
- Set the RBW = 1 MHz.
- Set the VBW $\geq$ [3 $\times$ RBW].
- Set the span $\geq$ [1.5 $\times$ DTS bandwidth].
- Detector = peak.
- Sweep time = auto couple.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- Use the instrument's band/channel power measurement function with the band limits set equal to the DTS bandwidth edges (for some instruments, this may require a manual override to select the peak detector). If the instrument does not have a band power function, then sum the spectrum levels (in linear power units) at intervals equal to the RBW extending across the DTS channel bandwidth.

PKPM1 Peak power meter method:

The maximum peak conducted output power may be measured using a broadband peak RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall use a fast-responding diode detector.



9.3 TEST SETUP



9.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.





9.5 TEST RESULTS

Temperature:	25℃	Relative Humidity:	60%
Test Voltage:	DC 3.7V		

Mode	Channel Number	Frequency (MHz)	Peak Power	Average Power	Limit
			(dBm)	(dBm)	(dBm)
GFSK(1M)	0	2402	1.00	-2.51	30.00
	39	2441	0.96	-2.48	30.00
	78	2480	1.06	-2.43	30.00

Note: the channel separation >20dB bandwidth

Mode	Channel Number	Frequency (MHz)	Peak Power	Average Power	Limit
			(dBm)	(dBm)	(dBm)
$\pi/4$ -DQPSK(2M)	0	2402	1.75	-3.62	20.97
	39	2441	1.68	-3.56	20.97
	78	2480	1.49	-3.73	20.97

Note: the channel separation >2/3 20dB bandwidth



10. ANTENNA REQUIREMENT

10.1 STANDARD REQUIREMENT

15.203 requirement: For intentional device, according to 15.203: 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.

10.2 EUT ANTENNA

The EUT antenna is PCB Antenna. It comply with the standard requirement.





APPENDIX-PHOTOS OF TEST SETUP

Note: See test photos in setup photo document for the actual connections between Product and support equipment.

※※※※※END OF THE REPORT※※※※※

