Test Report

FCC ID: 2ATB7-NC18

Date of issue: June 12, 2019

Report Number:	MTi190517E106
Sample Description:	Over-ear 3D Wireless Noise-Cancelling Headset
Model(s):	NC18
Applicant:	Shenzhen Sonirock Technology Co., Ltd
Address:	A705 university-Town Business Park, Nanshan District, Shenzhen, China
Date of Test:	May 11, 2019 to June 12, 2019

Shenzhen Microtest Co., Ltd.
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Address: No.102A & 302A, East Block, Hengfang Industrial Park, Xingye Road, Xixiang, Bao'an District, Shenzhen, Guangdong, China

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TEST REPORT

Applicant's name:	Shenzhen Sonirock Technology Co., Ltd
Address:	A705 university-Town Business Park, Nanshan District, Shenzhen, China
Manufacture's Name:	HONSENN TECHNOLOGY CO., LTD.
Address:	No.230, Er Heng Road, Wentang Zhuanyao Industrial Zone, Dongcheng District, Dongguan City, Guangdong
Product name:	Over-ear 3D Wireless Noise-Cancelling Headset
Trademark:	SHIVR
Model name:	NC18
Standards:	FCC Part 15.247
Test Procedure:	ANSI C63.10-2013 KDB 558074 D01 DTS Meas Guidance v05r02

This device described above has been tested by Shenzhen Microtest Co., Ltd. and 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.

Tested by: Jone Lee June 12, 2019

Reviewed by: Blue Zheng June 12, 2019

Approved by: Smith Chen June 12, 2019

1 General Information

1.1 Description of EUT

Product name:	Over-ear 3D Wireless Noise-Cancelling Headset
Model name:	NC18
Serial model:	N/A
Difference in series models:	N/A
Operation frequency:	2402-2480MHz
Modulation type:	GFSK, π/4-DQPSK,8DPSK
Bit Rate of transmitter:	1 Mbps, 2Mbps, 3Mbps
Antenna type:	PCB Antenna
Antenna gain:	1dBi
Max. output power:	3.476dBm
Hardware version:	REV 1.6
Software version:	V0.1.1
Power supply:	DC 3.8V from Battery or DC 5V from adapter
Adapter information:	N/A
Battery:	DC 3.8V 720mAh

1.2 Operation 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	--	--

1.3 Test channel list

Channel	Channel	Frequency (MHz)
Low	00	2402
Middle	39	2441
High	78	2480

1.4 Ancillary equipment list

Equipment	Model	S/N	Manufacturer	Certificate type
Adapter	/	/	/	/

1.5 Description of Support Units

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

Item	Equipment	Brand	Model/Type No.	Series No.	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.

2 Summary of Test Results

Test procedures according to the technical standards:

No.	Standard Section	Test Item	Result	Remark
1	15.203	Antenna requirement	Pass	
2	15.247(b)(1)	Peak output power	Pass	
3	15.207	Conducted emission	Pass	
4	15.247(d)	Band edge	Pass	
5	15.205/15.209	Spurious emission	Pass	
6	15.247(a)(1)	20dB occupied bandwidth	Pass	
7	15.247(a)(1)	Carrier Frequencies Separation	Pass	
8	15.247(a)(1)	Hopping channel number	Pass	
9	15.247(a)(1)	Dwell time	Pass	
10	15.205	Spurious RF Conducted Emissions	Pass	

3 Test Facilities and Accreditations

3.1 Test laboratory

Test Laboratory	Shenzhen Microtest Co., Ltd.
Location	No.102A & 302A, East Block, Hengfang Industrial Park, Xingye Road, Xixiang, Bao'an District, Shenzhen, Guangdong, China
FCC Registration No.:	448573

3.2 Environmental conditions

Temperature:	15ºC~35ºC
Humidity	20%~75%
Atmospheric pressure	98kPa~101kPa

3.3 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	Conducted Emission Test	±1.38dB
2	RF power, conducted	±0.16dB
3	Spurious emissions, conducted	±0.21dB
4	All emissions, radiated(<1G)	±4.68dB
5	All emissions, radiated(>1G)	±4.89dB
6	Temperature	±0.5°C
7	Humidity	±2%

3.4 Test software

Software Name	Manufacturer	Model	Version
RF Test System	Farad	LZ-RF	Lz_Rf 3A3

4 Equipment List

Equipment No.	Equipment Name	Manufacturer	Model	Serial No.	Calibration date	Due date
MTI-E001	Spectrum Analyzer	Agilent	E4407B	MY41441082	2018/09/18	2019/09/17
MTI-E004	EMI Test Receiver	Rohde&schwarz	ESPI	1000314	2018/09/18	2019/09/17
MTI-E006	Broadband antenna	schwarabeck	VULB9163	872	2018/09/18	2019/09/17
MTI-E007	Horn antenna	schwarabeck	BBHA9120D	1201	2018/09/18	2019/09/17
MTI-E014	amplifier	America	8447D	3113A06150	2018/09/18	2019/09/17
MTI-E015	Conduction Immunity Signal Generator	Schloder	CDG6000	126A1343/2015	2018/09/18	2019/09/17
MTI-E016	Coupled decoupling network	Schloder	CDA M2/M3	A2210332/2015	2018/09/18	2019/09/17
MTI-E032	Comprehensive test instrument	Rohde&schwarz	CMW500	124192	2018/09/18	2019/09/17
MTI-E034	amplifier	Agilent	8449B	3008A02400	2018/09/18	2019/09/17
MTI-E037	Artificial power network	Schwarzbeck	NSLK8127	#841	2018/09/18	2019/09/17
MTI-E040	Spectrum analyzer	Agilent	N9020A	MY49100060	2018/09/18	2019/09/17
MTI-E041	Signal generator	Agilent	N5182A	MY49060455	2018/09/18	2019/09/17
MTI-E042	Analog signal generator	Agilent	E4421B	GB40051240	2018/09/18	2019/09/17
MTI-E043	Power probe	Dare Instruments	RPR3006W	16I00054SNO16	2018/09/18	2019/09/17
MTI-E047	10dB attenuator	Mini-Circuits	UNAT-10+	15542	2018/09/18	2019/09/17
MTI-E049	spectrum analyzer	Rohde&schwarz	FSP-38	100019	2018/09/18	2019/09/17
MTI-E050	PSG Signal generator	Agilent	E8257D	MY46520873	2018/09/18	2019/09/17
MTI-E061	Active Loop Antenna 9kHz - 30MHz	Schwarzbeek	FMZB 1519 B	00044	2018/09/18	2019/09/17
MTI-E052	18-40GHz amplifier	Chengdu step Micro Technology	ZLNA-18-40G-21	1608001	2018/09/18	2019/09/17
MTI-E053	15-40G Antenna	Schwarzbeek	BBHA9170	BBHA9170582	2018/09/18	2019/09/17
MTI-E058	Artificial power network	Schwarzbeck	NSLK8127	#841	2018/09/18	2019/09/17
Note: the calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).						

5 Test Result

5.1 Antenna requirement

5.1.1 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

5.1.2 EUT Antenna

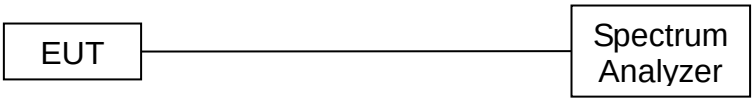
The EUT antenna is PCB antenna (1dBi). It comply with the standard requirement. In case of replacement of broken antenna the same antenna type must be used.

5.2 Peak output power

5.2.1 Limit

FCC Part15 Subpart C			
Section	Test Item	Limit	Frequency Range (MHz)
15.247(b)(1)	Peak output power	Power<1W(30dBm)	2400-2483.5

5.2.2 Test setup



5.2.3 Test procedure

(1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
(2) Spectrum Setting:
RBW=1MHz, VBW=3MHz, Detector=Peak (If 20dB BW ≤1 MHz)
RBW=3MHz, VBW=8MHz, Detector=Peak (If 20dB BW > 1 MHz)
(3) The EUT was set to continuously transmitting in the max power during the test.

5.2.4 Test results

Test data

EUT：	Over-ear 3D Wireless Noise-Cancelling Headset	Model Name ：	NC18
Temperature：	25 ℃	Relative Humidity：	60%
Pressure：	1012 hPa	Test Voltage ：	DC 3.8V by battery

GFSK

Test Channel	Frequency (MHz)	Maximum Peak Output Power(dBm)	Limit (dBm)
CH00	2402	2.540	30
CH39	2441	2.632	30
CH78	2480	3.476	30

π/4-DQPSK

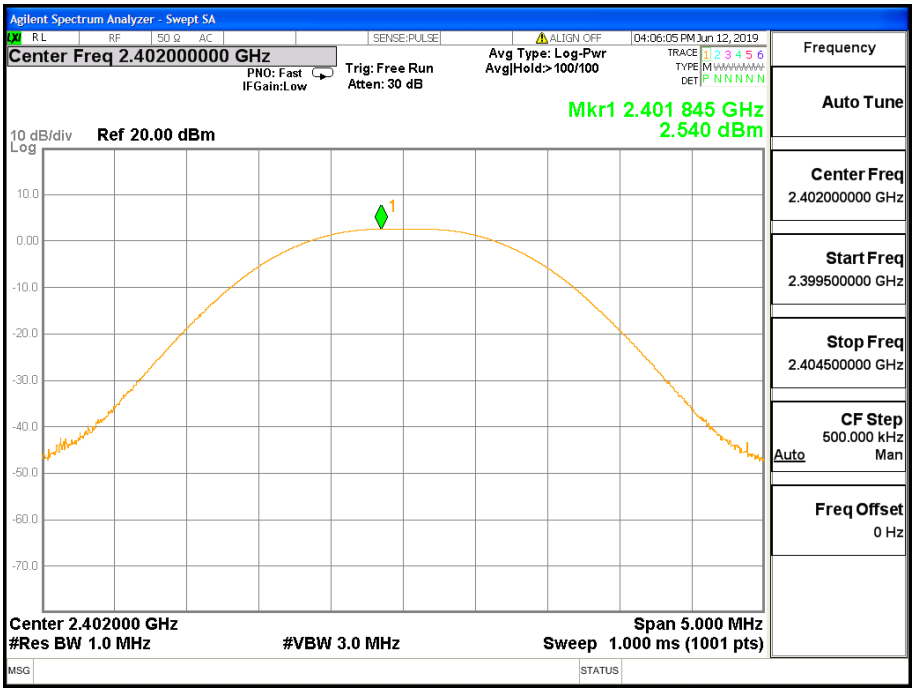
Test Channel	Frequency (MHz)	Maximum Peak Output Power(dBm)	Limit (dBm)
CH00	2402	2.236	30
CH39	2441	2.304	30
CH78	2480	3.094	30

8DPSK

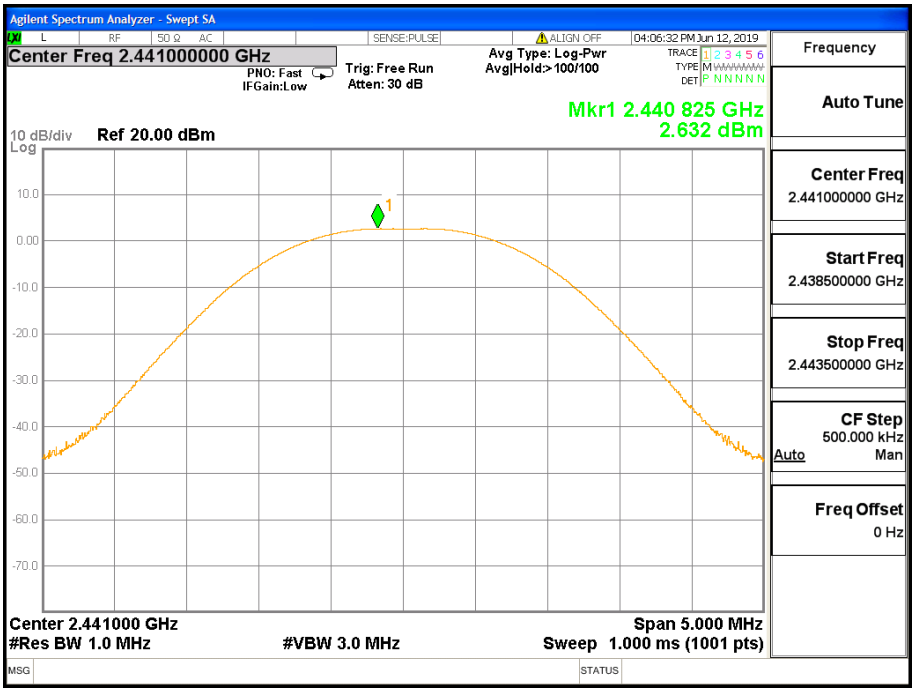
Test Channel	Frequency (MHz)	Maximum Peak Output Power(dBm)	Limit (dBm)
CH00	2402	2.322	30
CH39	2441	2.370	30
CH78	2480	3.137	30

Test plots

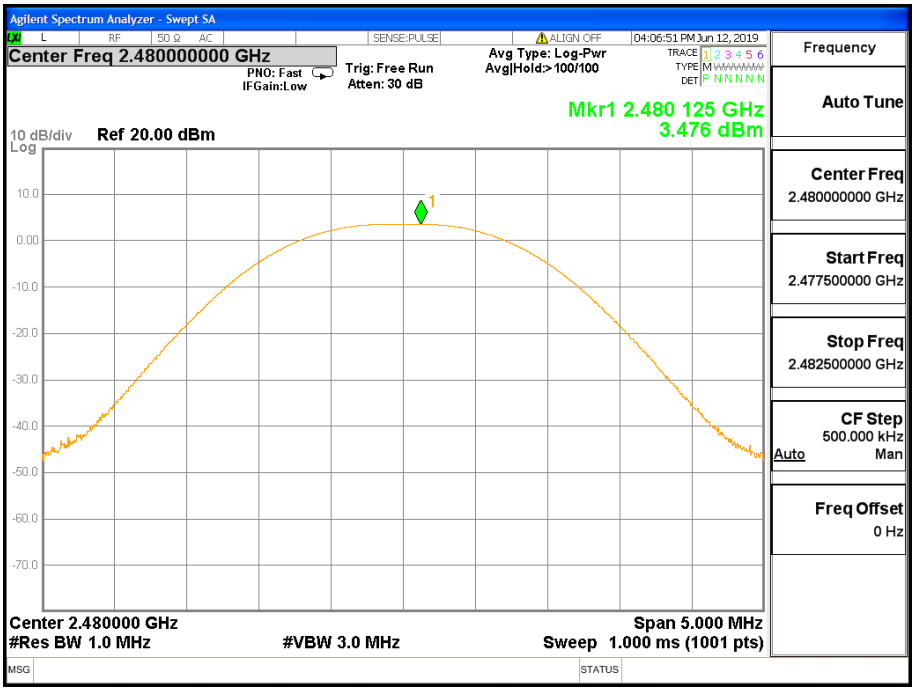
GFSK mode-CH00



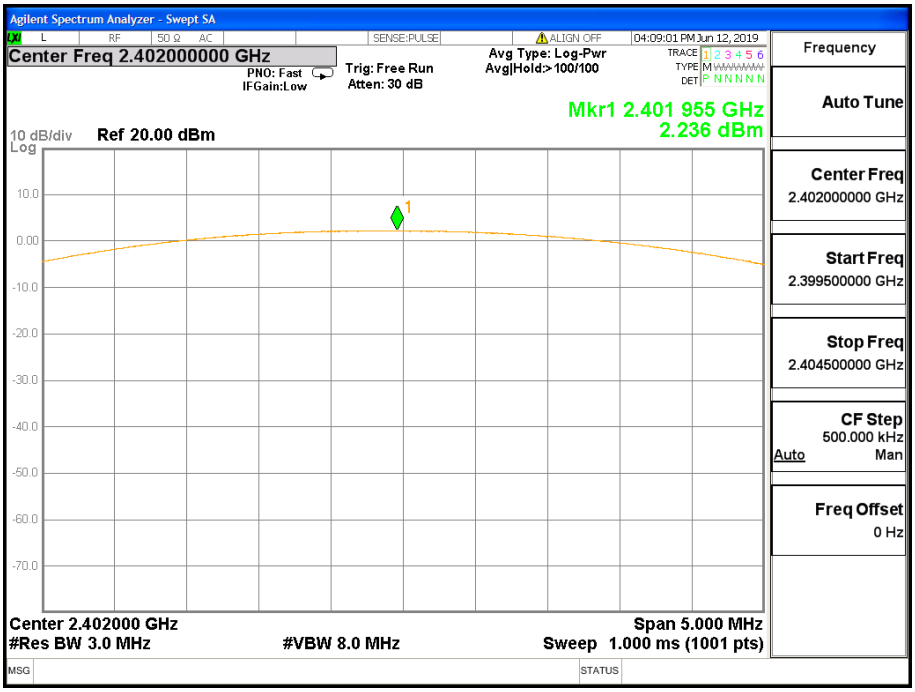
GFSK mode-CH39



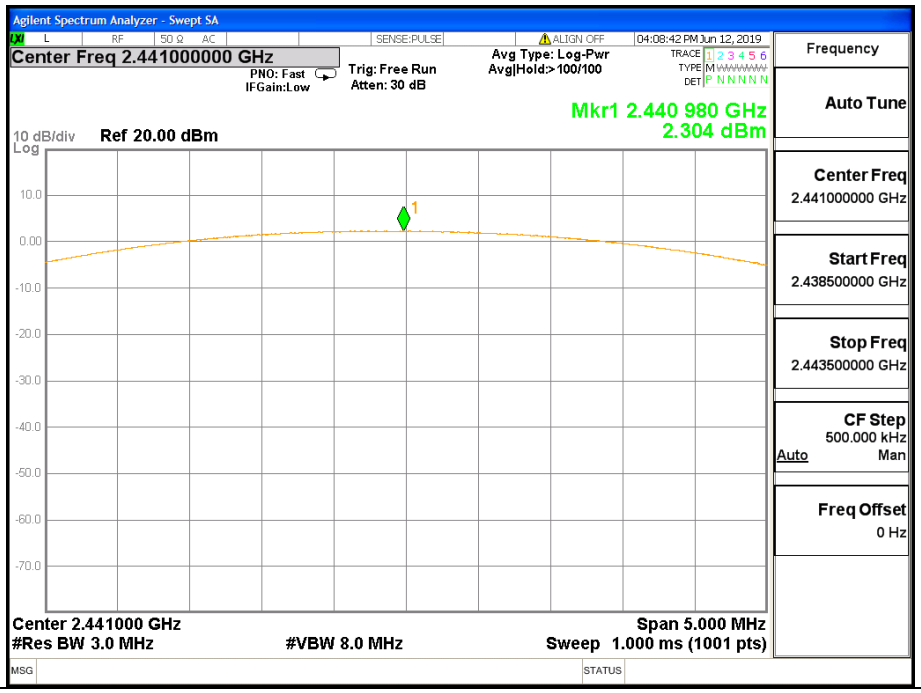
GFSK mode-CH78



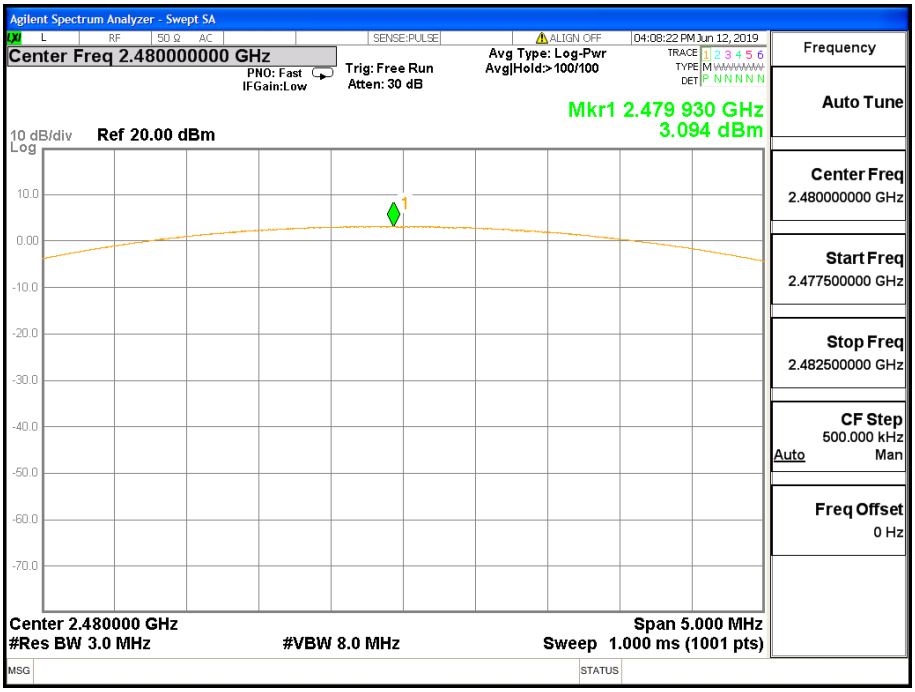
π/4-DQPSK mode-CH00



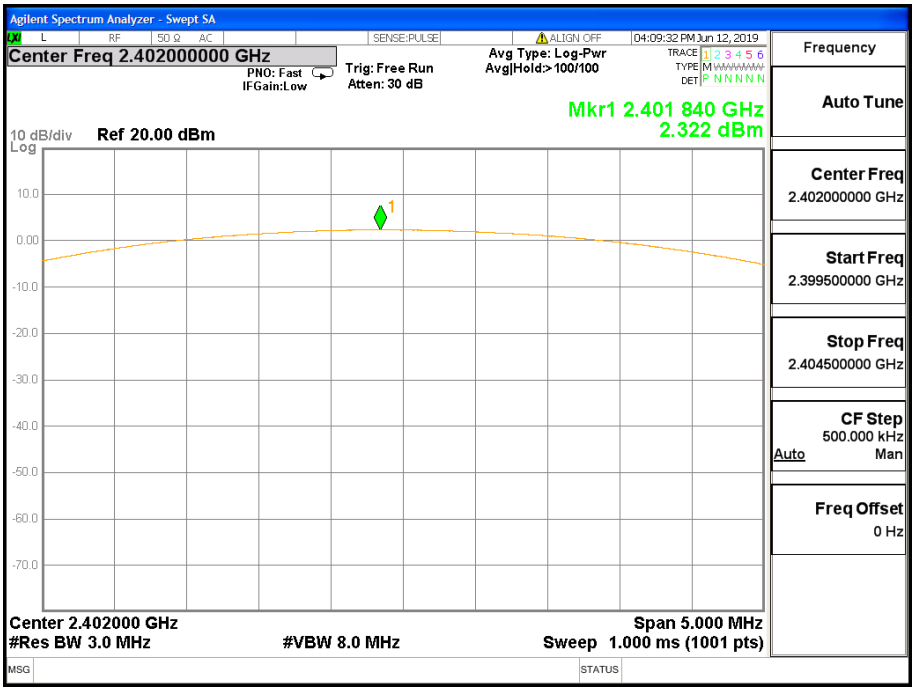
π/4-DQPSK mode-CH39



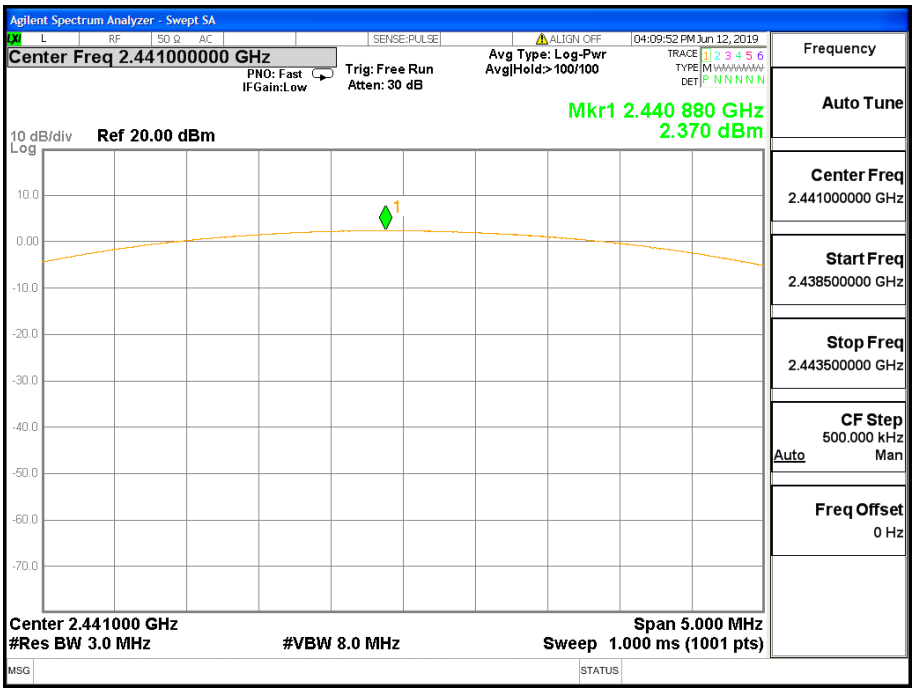
π/4-DQPSK mode-CH78



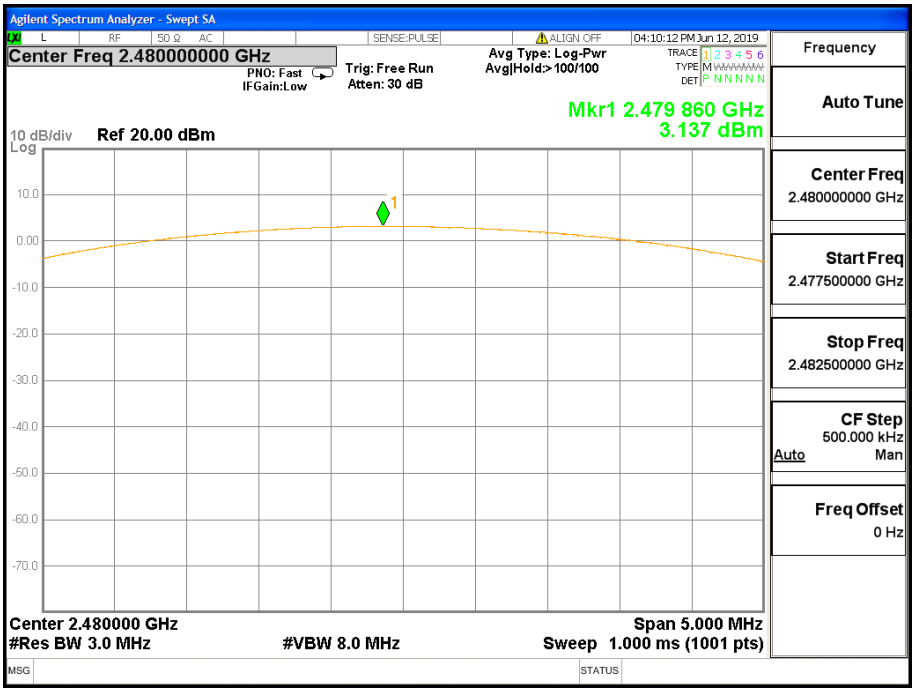
8DPSK mode-CH00



8DPSK mode-39



8DPSK mode-CH78



5.3 Conducted emission

5.3.1 Limits

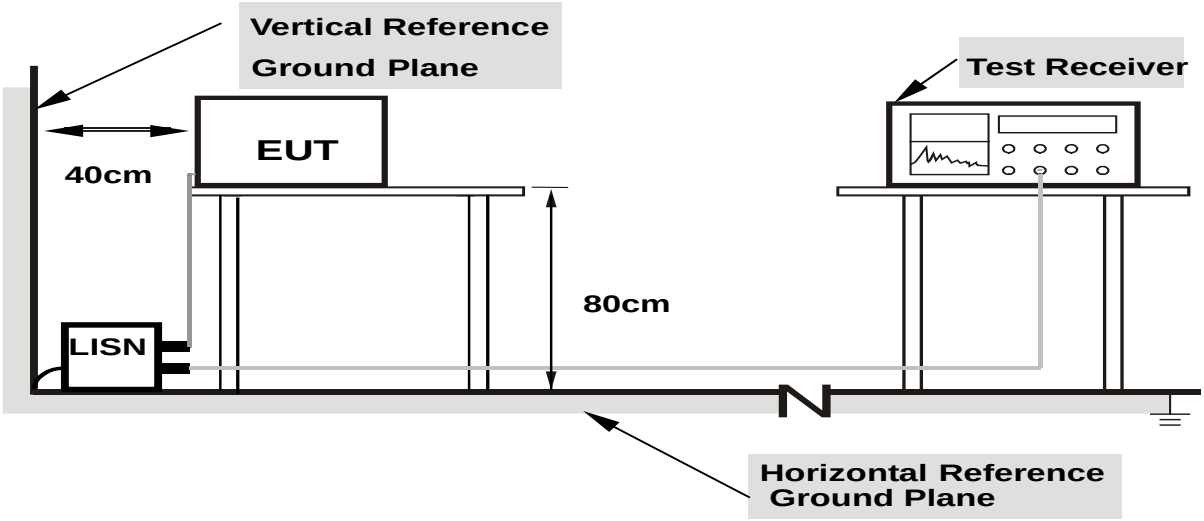
FREQUENCY (MHz)	Class B (dBuV)	
	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

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.

5.3.2 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

5.3.3 Test procedure

a. 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.

b. 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

c. 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.

d. 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.

e. 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.

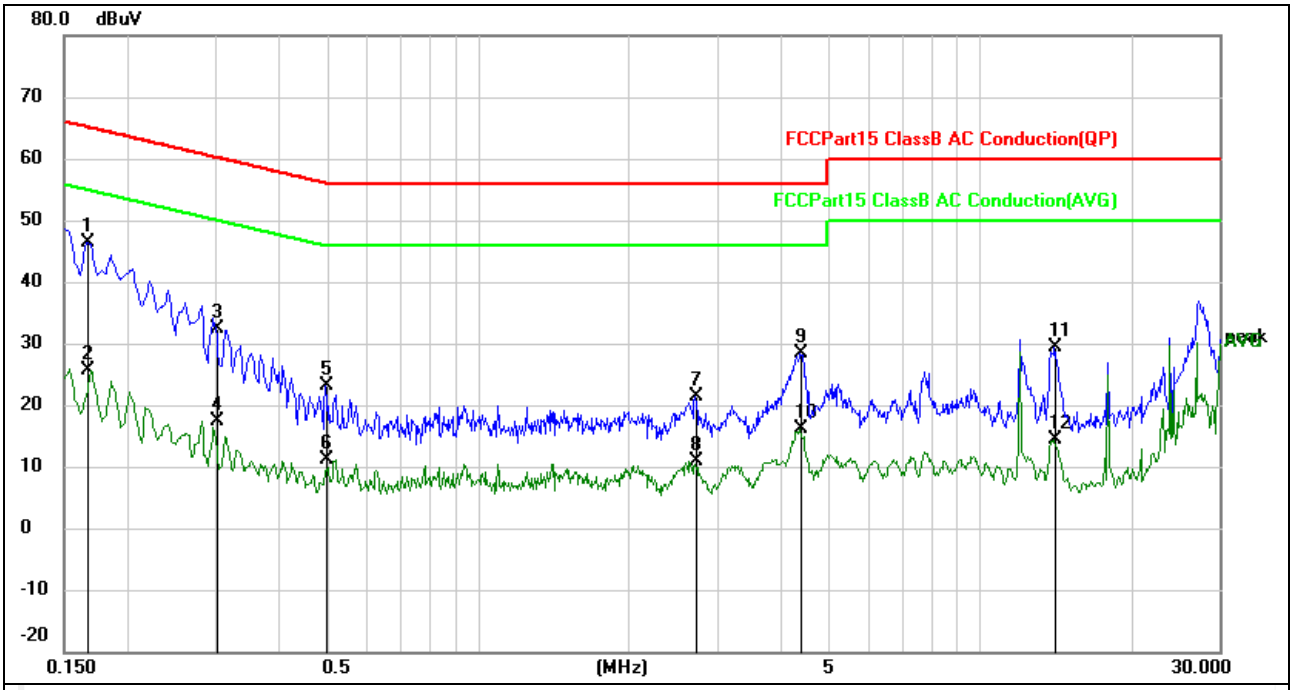
f. LISN at least 80 cm from nearest part of EUT chassis.

For the actual test configuration, please refer to the related Item –EUT Test Photos.

5.3.4 Test results

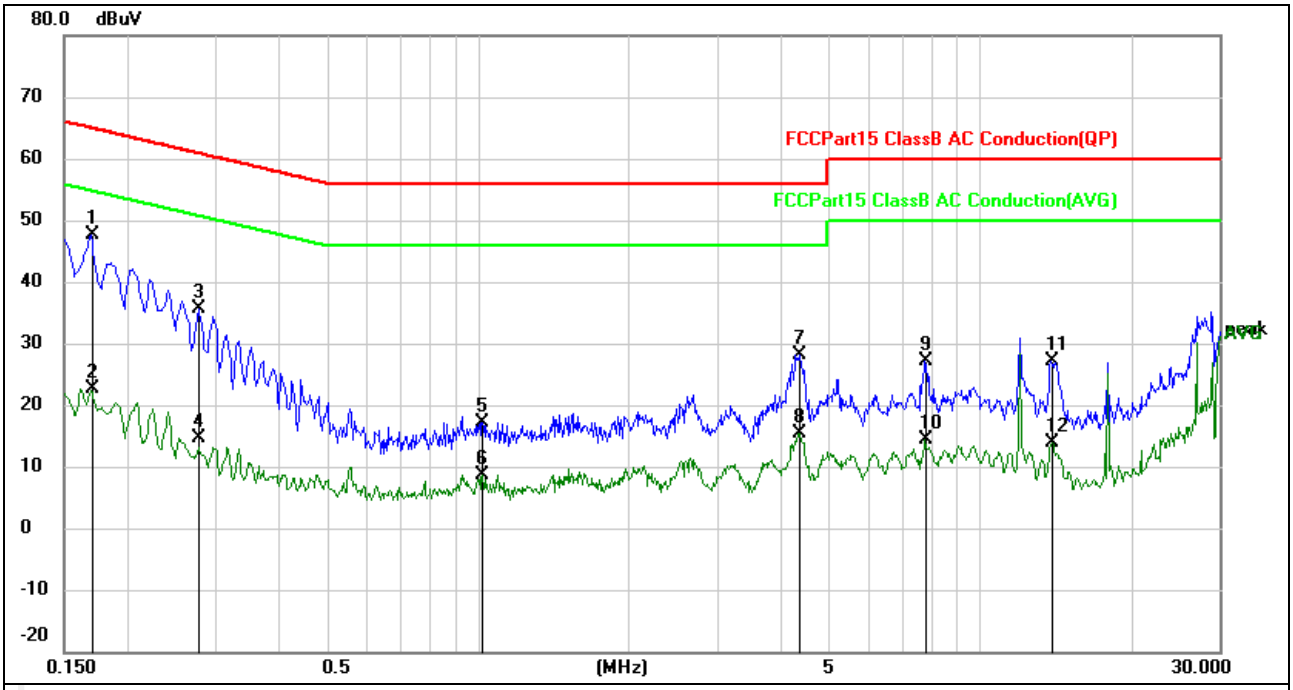
Test data

EUT：	Over-ear 3D Wireless Noise-Cancelling Headset	Model Name. ：	NC18
Temperature：	24.5 ℃	Relative Humidity：	70%
Pressure：	1010hPa	Phase：	L
Test Voltage ：	DC 5V from adapter AC 120V/60Hz	Test Mode：	Normal link



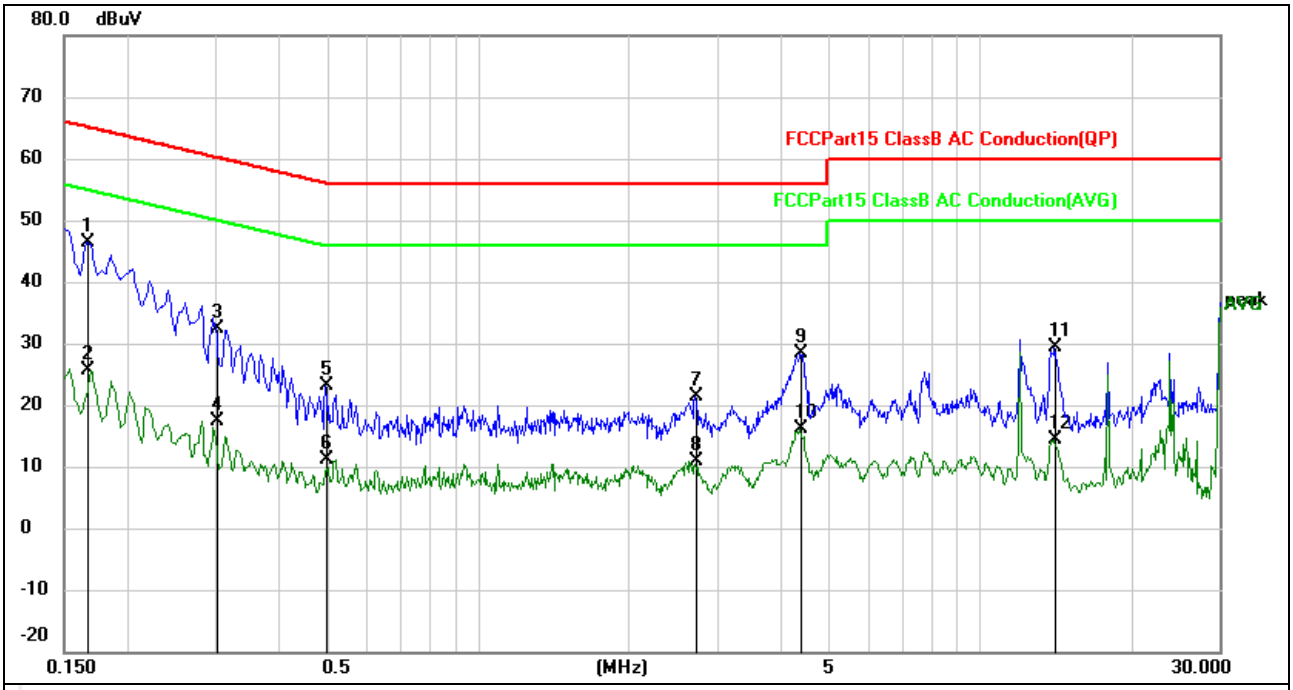
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1660	36.67	9.73	46.40	65.16	-18.76	QP	
2		0.1660	15.89	9.73	25.62	55.16	-29.54	AVG	
3		0.3003	22.52	9.76	32.28	60.23	-27.95	QP	
4		0.3003	7.68	9.76	17.44	50.23	-32.79	AVG	
5		0.4979	13.21	9.88	23.09	56.03	-32.94	QP	
6		0.4979	1.24	9.88	11.12	46.03	-34.91	AVG	
7		2.7139	11.37	9.99	21.36	56.00	-34.64	QP	
8		2.7139	0.84	9.99	10.83	46.00	-35.17	AVG	
9		4.3859	18.37	10.04	28.41	56.00	-27.59	QP	
10		4.3859	6.16	10.04	16.20	46.00	-29.80	AVG	
11		14.1179	19.06	10.21	29.27	60.00	-30.73	QP	
12		14.1179	4.10	10.21	14.31	50.00	-35.69	AVG	

EUT：	Over-ear 3D Wireless Noise-Cancelling Headset	Model Name. ：	NC18
Temperature：	24.5 ℃	Relative Humidity：	70%
Pressure：	1010hPa	Phase：	N
Test Voltage ：	DC 5V from adapter AC 120V/60Hz	Test Mode：	Normal link



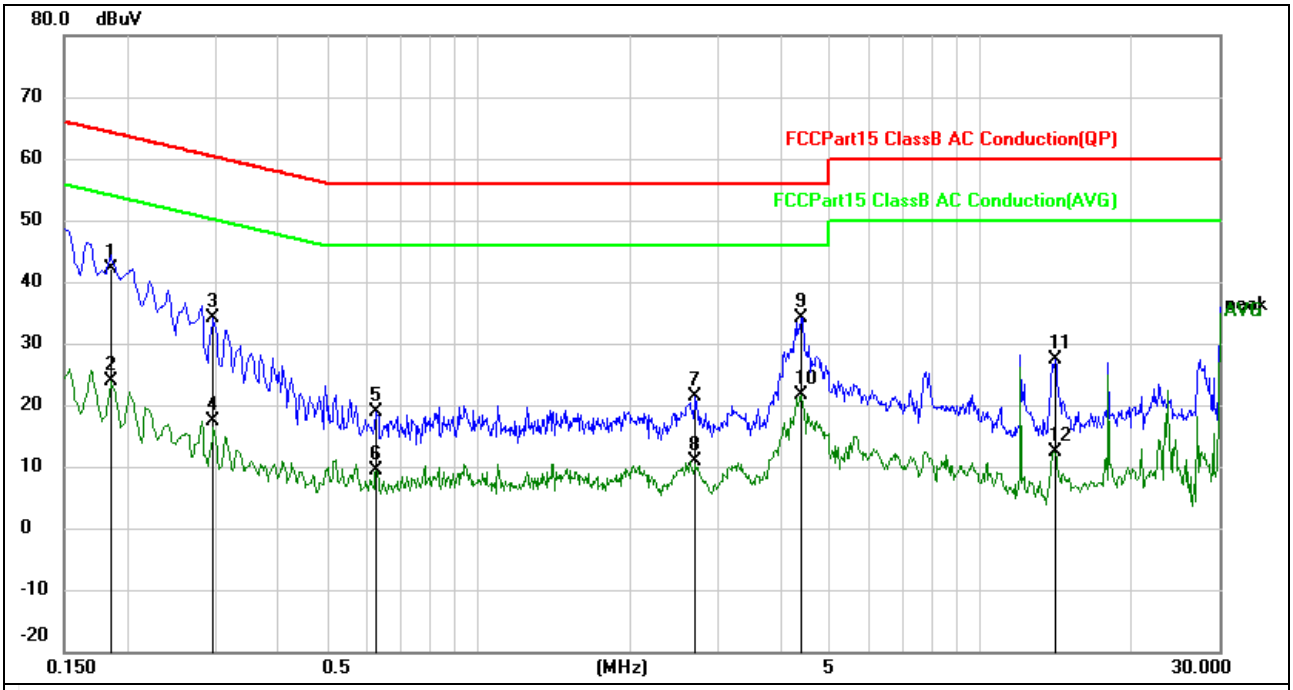
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1700	37.94	9.73	47.67	64.96	-17.29	QP	
2		0.1700	12.90	9.73	22.63	54.96	-32.33	AVG	
3		0.2779	25.96	9.75	35.71	60.88	-25.17	QP	
4		0.2779	4.76	9.75	14.51	50.88	-36.37	AVG	
5		1.0180	7.21	9.95	17.16	56.00	-38.84	QP	
6		1.0180	-1.36	9.95	8.59	46.00	-37.41	AVG	
7		4.3818	18.16	10.04	28.20	56.00	-27.80	QP	
8		4.3818	5.44	10.04	15.48	46.00	-30.52	AVG	
9		7.7900	16.91	10.18	27.09	60.00	-32.91	QP	
10		7.7900	4.23	10.18	14.41	50.00	-35.59	AVG	
11		13.8856	16.98	10.22	27.20	60.00	-32.80	QP	
12		13.8856	3.56	10.22	13.78	50.00	-36.22	AVG	

EUT：	Over-ear 3D Wireless Noise-Cancelling Headset	Model Name. ：	NC18
Temperature：	24.5 ℃	Relative Humidity：	70%
Pressure：	1010hPa	Phase：	L
Test Voltage ：	DC 5V from adapter AC 240V/60Hz	Test Mode：	Normal link



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1660	36.67	9.73	46.40	65.16	-18.76	QP	
2		0.1660	15.89	9.73	25.62	55.16	-29.54	AVG	
3		0.3003	22.52	9.76	32.28	60.23	-27.95	QP	
4		0.3003	7.68	9.76	17.44	50.23	-32.79	AVG	
5		0.4979	13.21	9.88	23.09	56.03	-32.94	QP	
6		0.4979	1.24	9.88	11.12	46.03	-34.91	AVG	
7		2.7139	11.37	9.99	21.36	56.00	-34.64	QP	
8		2.7139	0.84	9.99	10.83	46.00	-35.17	AVG	
9		4.3859	18.37	10.04	28.41	56.00	-27.59	QP	
10		4.3859	6.16	10.04	16.20	46.00	-29.80	AVG	
11		14.1179	19.06	10.21	29.27	60.00	-30.73	QP	
12		14.1179	4.10	10.21	14.31	50.00	-35.69	AVG	

EUT：	Over-ear 3D Wireless Noise-Cancelling Headset	Model Name. ：	NC18
Temperature：	24.5 ℃	Relative Humidity：	70%
Pressure：	1010hPa	Phase：	N
Test Voltage ：	DC 5V from adapter AC 240V/60Hz	Test Mode：	Normal link



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1853	32.43	9.73	42.16	64.24	-22.08	QP	
2		0.1853	14.13	9.73	23.86	54.24	-30.38	AVG	
3		0.2973	24.27	9.76	34.03	60.32	-26.29	QP	
4		0.2973	7.68	9.76	17.44	50.32	-32.88	AVG	
5		0.6280	8.97	9.90	18.87	56.00	-37.13	QP	
6		0.6280	-0.61	9.90	9.29	46.00	-36.71	AVG	
7		2.7145	11.37	9.99	21.36	56.00	-34.64	QP	
8		2.7145	0.84	9.99	10.83	46.00	-35.17	AVG	
9	*	4.4218	24.12	10.04	34.16	56.00	-21.84	QP	
10		4.4218	11.66	10.04	21.70	46.00	-24.30	AVG	
11		14.1265	17.06	10.21	27.27	60.00	-32.73	QP	
12		14.1265	2.10	10.21	12.31	50.00	-37.69	AVG	

5.4 Radiated spurious emission

5.4.1 Limits

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

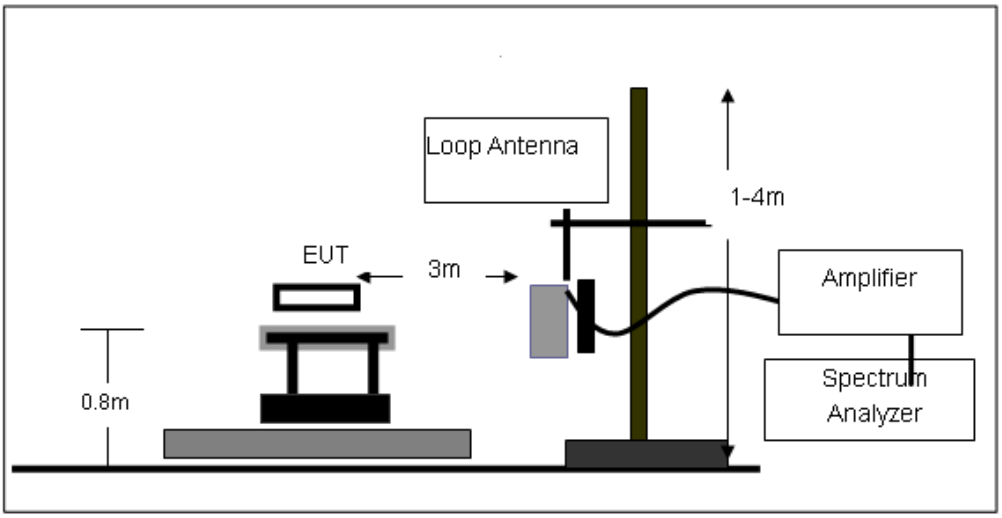
Frequency (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (emission in restricted band)	1 MHz / 1 MHz for Peak, 1 MHz / 10Hz for Average

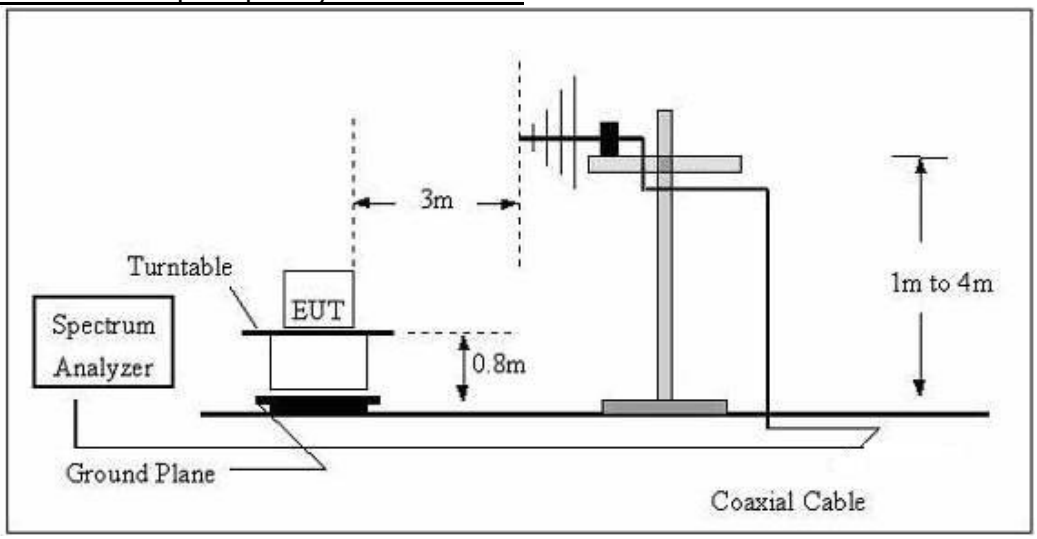
Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

5.4.2 Test setup

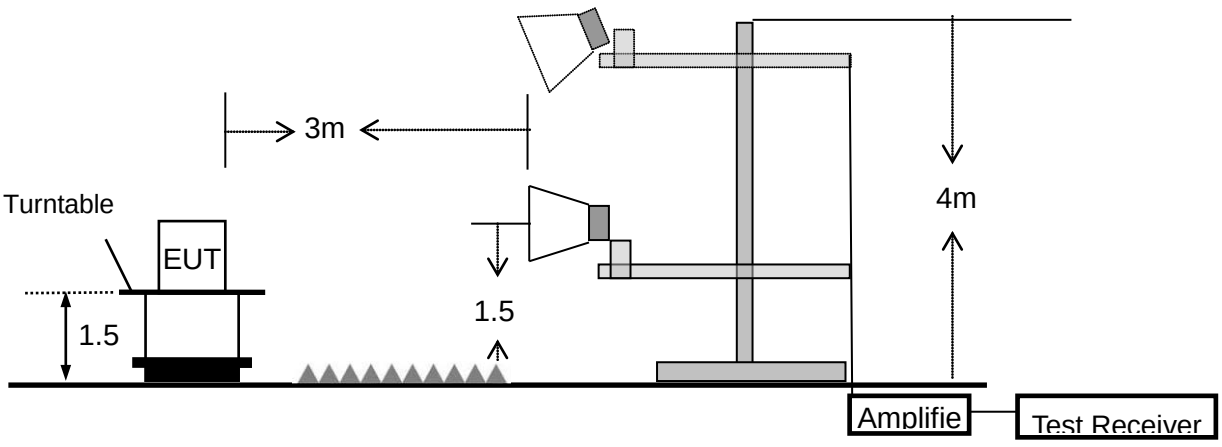
Radiated emission test-up frequency below 30MHz



Radiated emission test-up frequency 30MHz~1GHz



Radiated emission test-up frequency above 1GHz



5.4.3 Test procedure

a. 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.

b. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.

c. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.

d. The height of the equipment or of the substitution antenna shall be 0.8 m; 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.

e. For emission measurements above 1 GHz, the EUT shall be placed at a height of 1.5 m above the floor on a support that is RF transparent for the frequencies of interest. Final measurements for the EUT require a measurement antenna height scan of 1 m to 4 m.

f. 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.

g. 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.

h. For the actual test configuration, please refer to the related Item –EUT Test photos.

Note: Both horizontal and vertical antenna polarities were tested . The worst case emissions were reported.

During the radiated emission test, the Spectrum Analyzer was set with the following configurations:

Frequency Band (MHz)	Function	Resolution bandwidth	Video Bandwidth
30 to 1000	QP	120 kHz	300 kHz
Above 1000	Peak	1 MHz	1 MHz
	Average	1 MHz	10 Hz

Note: for the frequency ranges below 30 MHz, a narrower RBW is used for these ranges but the measured value should add a RBW correction factor (RBWCF) where RBWCF [dB] =10*lg(100 [kHz]/narrower RBW [kHz]). , the narrower RBW is 1 kHz and RBWCF is 20 dB for the frequency 9 kHz to 150 kHz, and the narrower RBW is 10 kHz and RBWCF is 10 dB for the frequency 150 kHz to 30 MHz.

5.4.4 Test results

5.4.4.1 Radiation emission

Below 30MHz

EUT：	Over-ear 3D Wireless Noise-Cancelling Headset	Model Name：	NC18
Temperature：	20 ℃	Relative Humidtity：	48%
Pressure：	1010 hPa	Test Voltage：	DC 5V from adapter
Test Mode：	TX	Polarization :	--

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

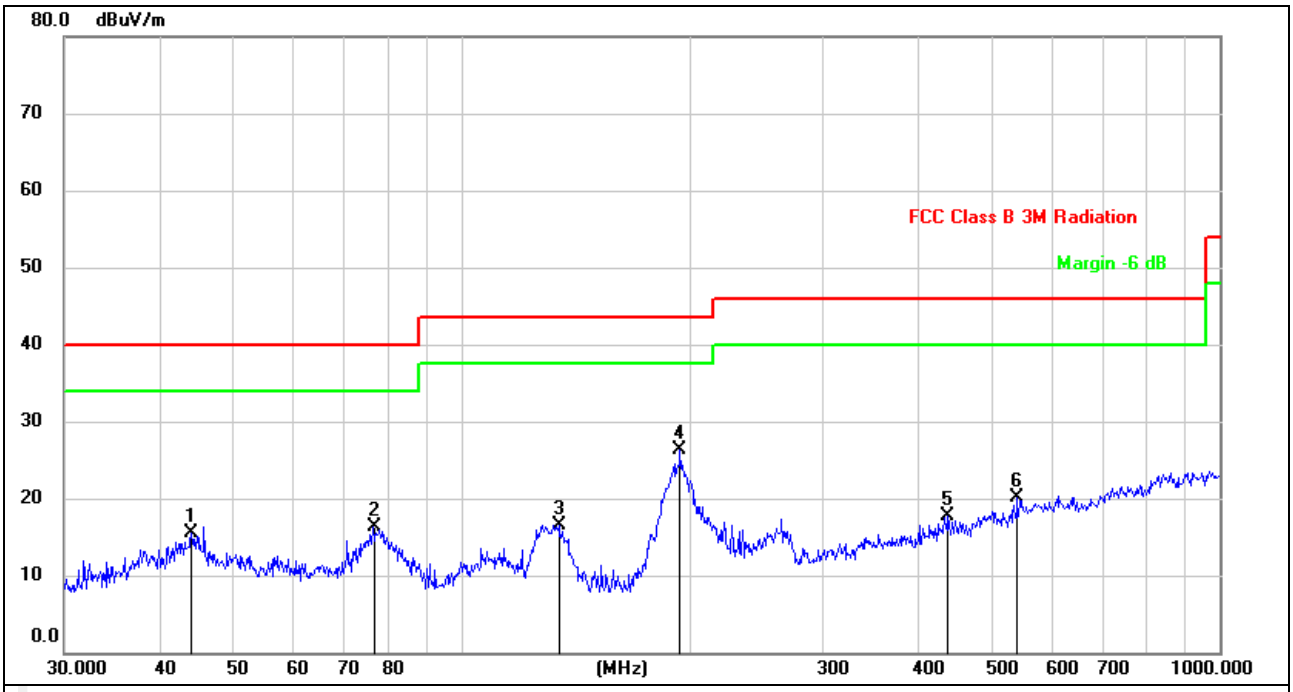
Note:
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
Distance extrapolation factor =40 log (specific distance/test distance)(dB);
Limit line = specific limits(dBuV) + distance extrapolation factor.

Between 30MHz – 1GHz

Note1 : Emission Level = Meter Reading + Factor, Margin= Emission Level- Limit, Factor = Antenna Factor + Cable Loss – Pre-amplifier.

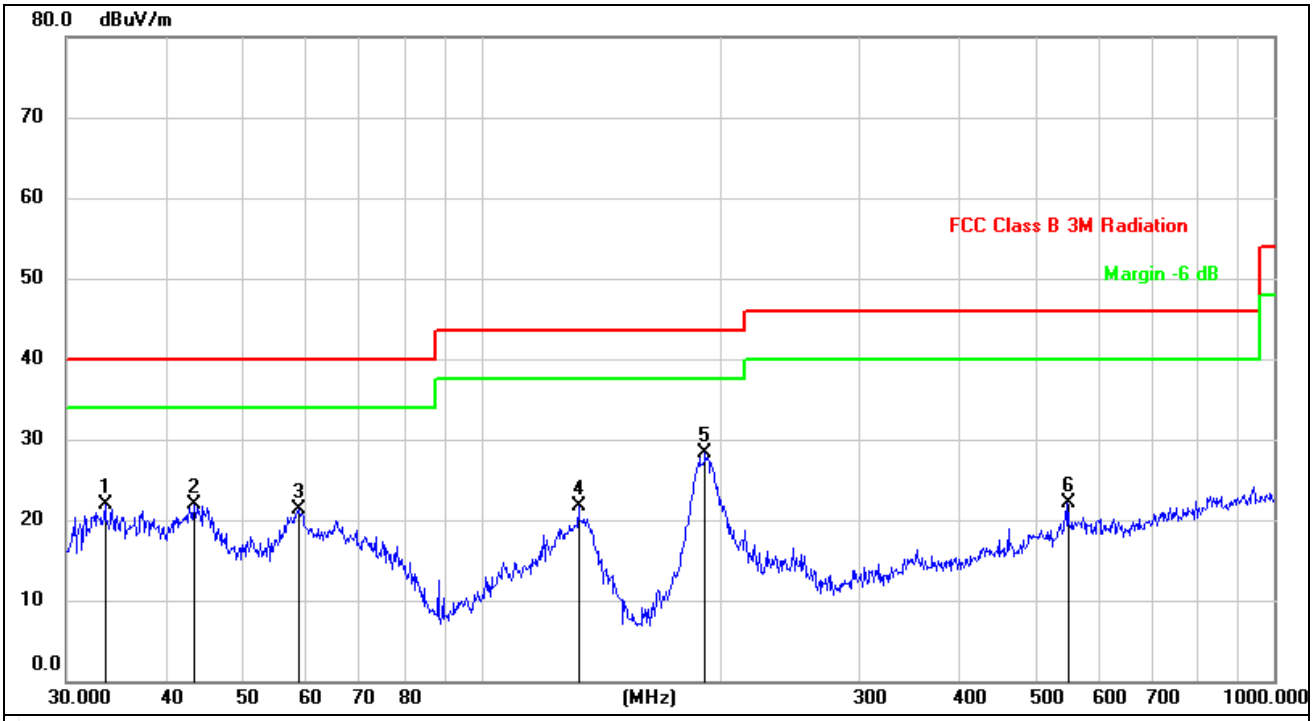
Note2: The three modulated high, medium and low channels have been tested. The report only shows the worst mode. The worst mode is GFSK CH78

EUT：	Over-ear 3D Wireless Noise-Cancelling Headset	Model Name ：	NC18
Relative Humidity:	24.4%	Phase:	H
Pressure：	1010 hPa	Test Voltage ：	DC 5V from adapter
Test Mode ：	TX+Charging		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dBuV/m	dBuV/m	dBuV/m	dB	Detector
1		44.1202	28.28	-12.76	15.52	40.00	-24.48	QP
2		76.5121	33.47	-17.11	16.36	40.00	-23.64	QP
3		134.5592	33.52	-17.00	16.52	43.50	-26.98	QP
4	*	194.4534	39.75	-13.43	26.32	43.50	-17.18	QP
5		438.6554	26.60	-8.96	17.64	46.00	-28.36	QP
6		541.3725	27.94	-7.84	20.10	46.00	-25.90	QP

EUT：	Over-ear 3D Wireless Noise-Cancelling Headset	Model Name ：	NC18
Relative Humidity:	24.4%	Phase:	V
Pressure：	1010 hPa	Test Voltage ：	DC 5V from adapter
Test Mode ：	TX+Charging		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dBuV/m	dBuV/m	dBuV/m	dB	Detector
1		33.5624	36.47	-14.64	21.83	40.00	-18.17	QP
2		43.5057	34.78	-12.88	21.90	40.00	-18.10	QP
3		58.8185	35.33	-14.00	21.33	40.00	-18.67	QP
4		132.6850	38.72	-17.09	21.63	43.50	-21.87	QP
5	*	191.7450	42.00	-13.63	28.37	43.50	-15.13	QP
6		549.0195	29.73	-7.65	22.08	46.00	-23.92	QP

1G-25GHz

Note: (1) All Readings are Peak Value (VBW=3MHz) and AV Value (VBW=10Hz).
(2) Emission Level= Antenna Factor + Cable Loss + Read Level - Preamp Factor
(3) All other emissions more than 20dB below the limit.

All the modulation modes have been tested, and the worst result was report as below:

Frequency	Read Level	Cable loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Remark	Comment
(MHz)	(dBμV)	(dB)	dB/m	(dB)	(dBμV/m)	(dBμV/m)	(dB)		
Low Channel (2402 MHz)(GFSK)--Above 1G									
4804.025	62.91	5.21	35.59	44.30	59.41	74.00	-14.59	Pk	Vertical
4804.025	41.94	5.21	35.59	44.30	38.44	54.00	-15.56	AV	Vertical
7206.265	61.18	6.48	36.27	44.60	59.33	74.00	-14.67	Pk	Vertical
7206.265	44.19	6.48	36.27	44.60	42.34	54.00	-11.66	AV	Vertical
4804.109	60.65	5.21	35.55	44.30	57.11	74.00	-16.89	Pk	Horizontal
4804.109	43.12	5.21	35.55	44.30	39.58	54.00	-14.42	AV	Horizontal
7206.224	63.69	6.48	36.27	44.52	61.92	74.00	-12.08	Pk	Horizontal
7206.224	48.26	6.48	36.27	44.52	46.49	54.00	-7.51	AV	Horizontal
Mid Channel (2441 MHz)(GFSK)--Above 1G									
4882.396	64.01	5.21	35.66	44.20	60.68	74.00	-13.32	Pk	Vertical
4882.396	42.30	5.21	35.66	44.20	38.97	54.00	-15.03	AV	Vertical
7323.241	60.44	7.10	36.50	44.43	59.61	74.00	-14.39	Pk	Vertical
7323.241	46.84	7.10	36.50	44.43	46.01	54.00	-7.99	AV	Vertical
4882.108	62.17	5.21	35.66	44.20	58.84	74.00	-15.16	Pk	Horizontal
4882.108	47.99	5.21	35.66	44.20	44.66	54.00	-9.34	AV	Horizontal
7323.132	60.02	7.10	36.50	44.43	59.19	74.00	-14.81	Pk	Horizontal
7323.132	42.34	7.10	36.50	44.43	41.51	54.00	-12.49	AV	Horizontal
High Channel (2480 MHz)(GFSK)-- Above 1G									
4960.397	66.74	5.21	35.52	44.21	63.26	74.00	-10.74	Pk	Vertical
4960.397	43.39	5.21	35.52	44.21	39.91	54.00	-14.09	AV	Vertical
7440.201	61.74	7.10	36.53	44.60	60.77	74.00	-13.23	Pk	Vertical
7440.201	44.61	7.10	36.53	44.60	43.64	54.00	-10.36	AV	Vertical
4960.225	68.55	5.21	35.52	44.21	65.07	74.00	-8.93	Pk	Horizontal
4960.225	48.60	5.21	35.52	44.21	45.12	54.00	-8.88	AV	Horizontal
7440.298	62.20	7.10	36.53	44.60	61.23	74.00	-12.77	Pk	Horizontal
7440.298	45.11	7.10	36.53	44.60	44.14	54.00	-9.86	AV	Horizontal

5.4.4.2 Band edge – radiated

All the modulation modes have been tested, and the worst result was report as below:

Frequency	Meter Reading	Cable Loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Detector	Comment
(MHz)	(dBμV)	(dB)	dB/m	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	
1Mbps (GFSK)-hopping									
2310.00	56.36	2.97	27.80	43.80	43.33	74	-30.67	Pk	Horizontal
2310.00	44.96	2.97	27.80	43.80	31.93	54	-22.07	AV	Horizontal
2310.00	58.44	2.97	27.80	43.80	45.41	74	-28.59	Pk	Vertical
2310.00	43.12	2.97	27.80	43.80	30.09	54	-23.91	AV	Vertical
2390.00	58.45	3.14	27.21	43.80	45.00	74	-29.00	Pk	Vertical
2390.00	42.19	3.14	27.21	43.80	28.74	54	-25.26	AV	Vertical
2390.00	58.08	3.14	27.21	43.80	44.63	74	-29.37	Pk	Horizontal
2390.00	42.30	3.14	27.21	43.80	28.85	54	-25.15	AV	Horizontal
2483.50	58.00	3.58	27.70	44.00	45.28	74	-28.72	Pk	Vertical
2483.50	42.33	3.58	27.70	44.00	29.61	54	-24.39	AV	Vertical
2483.50	60.10	3.58	27.70	44.00	47.38	74	-26.62	Pk	Horizontal
2483.50	42.01	3.58	27.70	44.00	29.29	54	-24.71	AV	Horizontal
1Mbps(GFSK)- Non-hopping									
2310.00	56.36	2.97	27.80	43.80	43.33	74	-30.67	Pk	Horizontal
2310.00	44.24	2.97	27.80	43.80	31.21	54	-22.79	AV	Horizontal
2310.00	59.55	2.97	27.80	43.80	46.52	74	-27.48	Pk	Vertical
2310.00	43.62	2.97	27.80	43.80	30.59	54	-23.41	AV	Vertical
2390.00	58.83	3.14	27.21	43.80	45.38	74	-28.62	Pk	Vertical
2390.00	41.95	3.14	27.21	43.80	28.50	54	-25.50	AV	Vertical
2390.00	57.79	3.14	27.21	43.80	44.34	74	-29.66	Pk	Horizontal
2390.00	42.69	3.14	27.21	43.80	29.24	54	-24.76	AV	Horizontal
2483.50	58.41	3.58	27.70	44.00	45.69	74	-28.31	Pk	Vertical
2483.50	43.85	3.58	27.70	44.00	31.13	54	-22.87	AV	Vertical
2483.50	60.14	3.58	27.70	44.00	47.42	74	-26.58	Pk	Horizontal
2483.50	42.14	3.58	27.70	44.00	29.42	54	-24.58	AV	Horizontal

5.4.4.3 Spurious Emission in Restricted Band 3260MHz-18000MHz

All the modulation modes have been tested, and the worst result was report as below:

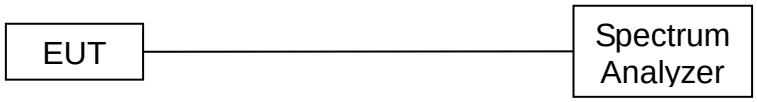
Frequency	Reading Level	Cable Loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Detector	Comment
(MHz)	(dBμV)	(dB)	dB/m	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	
3260	60.21	4.04	29.57	44.70	49.12	74	-24.88	Pk	Vertical
3260	50.02	4.04	29.57	44.70	38.93	54	-15.07	AV	Vertical
3260	61.91	4.04	29.57	44.70	50.82	74	-23.18	Pk	Horizontal
3260	51.25	4.04	29.57	44.70	40.16	54	-13.84	AV	Horizontal
3332	65.92	4.26	29.87	44.40	55.65	74	-18.35	Pk	Vertical
3332	54.76	4.26	29.87	44.40	44.49	54	-9.51	AV	Vertical
3332	62.27	4.26	29.87	44.40	52.00	74	-22.00	Pk	Horizontal
3332	52.20	4.26	29.87	44.40	41.93	54	-12.07	AV	Horizontal
17797	43.35	10.99	43.95	43.50	54.79	74	-19.21	Pk	Vertical
17797	34.00	10.99	43.95	43.50	45.44	54	-8.56	AV	Vertical
17788	45.42	11.81	43.69	44.60	56.32	74	-17.68	Pk	Horizontal
17788	31.11	11.81	43.69	44.60	42.01	54	-11.99	AV	Horizontal

5.5 20dB occupied channel bandwidth

5.5.1 Limit

FCC Part15 (15.247) , Subpart C			
Section	Test Item	Limit	Frequency Range (MHz)
15.247a(1)	20dB bandwidth	N/A	2400-2483.5

5.5.2 Test setup



5.5.3 Test procedure

(1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
(2) Spectrum Setting:
Bandwidth: RBW=30 kHz, VBW=100 kHz, detector= Peak

5.5.4 Test results

Test data

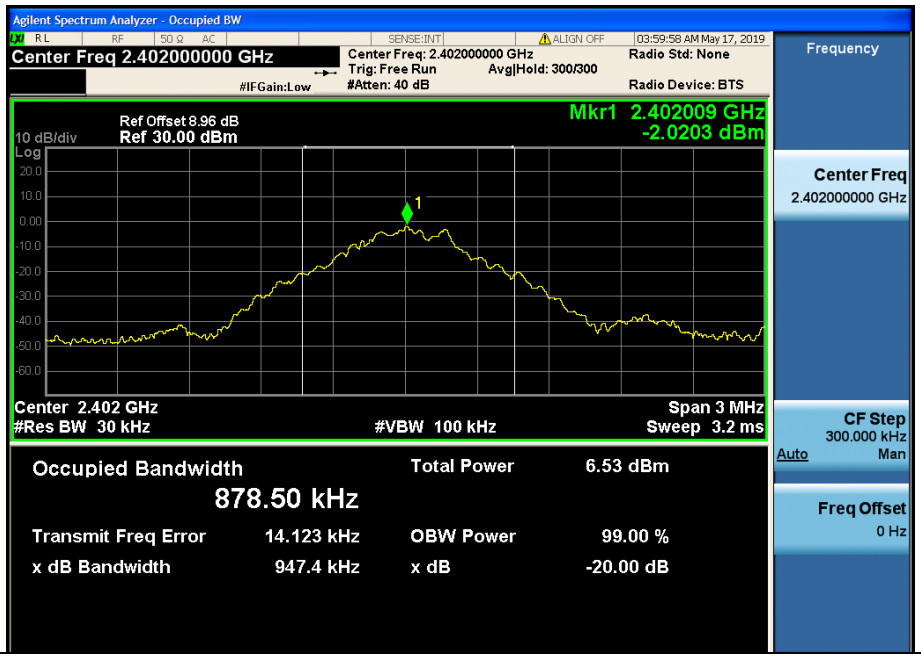
EUT：	Over-ear 3D Wireless Noise-Cancelling Headset	Model Name ：	NC18
Temperature：	25 ℃	Relative Humidity：	60%
Pressure：	1012 hPa	Test Voltage ：	DC 3.8V by battery

Mode	Frequency (MHz)	20dB Bandwidth (MHz)	Limit (kHz)	Result
GFSK	2402	0.9474	N/A	Pass
	2441	0.9440	N/A	Pass
	2480	0.9516	N/A	Pass
π/4-DQPSK	2402	1.236	N/A	Pass
	2441	1.270	N/A	Pass
	2480	1.233	N/A	Pass
8DPSK	2402	1.261	N/A	Pass
	2441	1.264	N/A	Pass
	2480	1.267	N/A	Pass

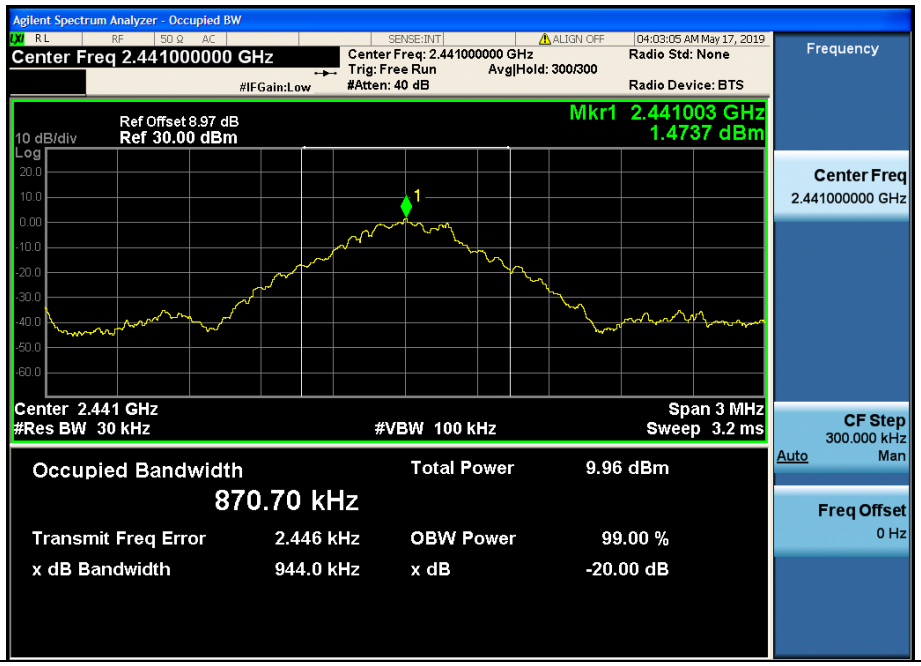
Test plots

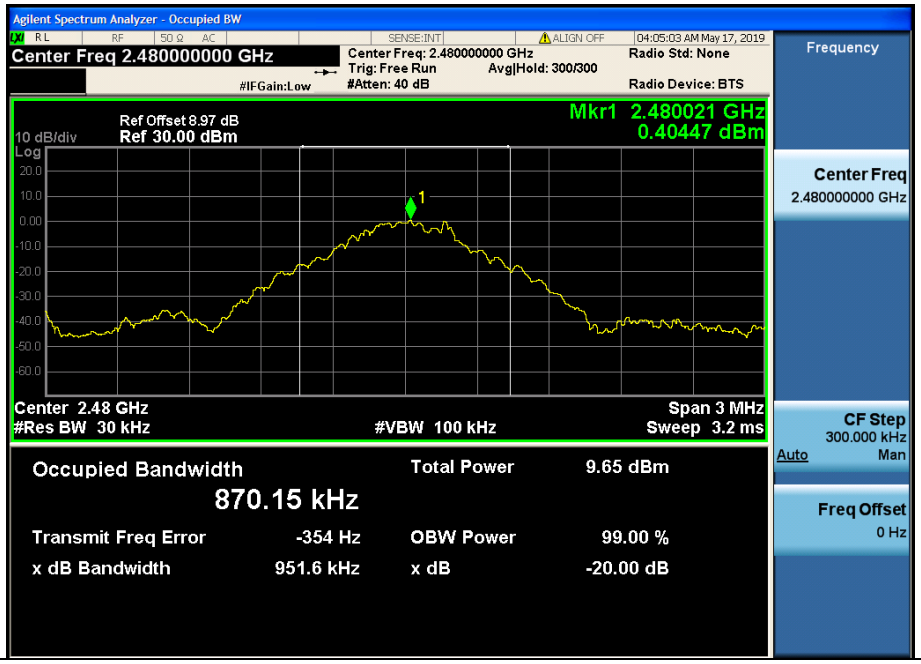
GFSK mode

TX CH00

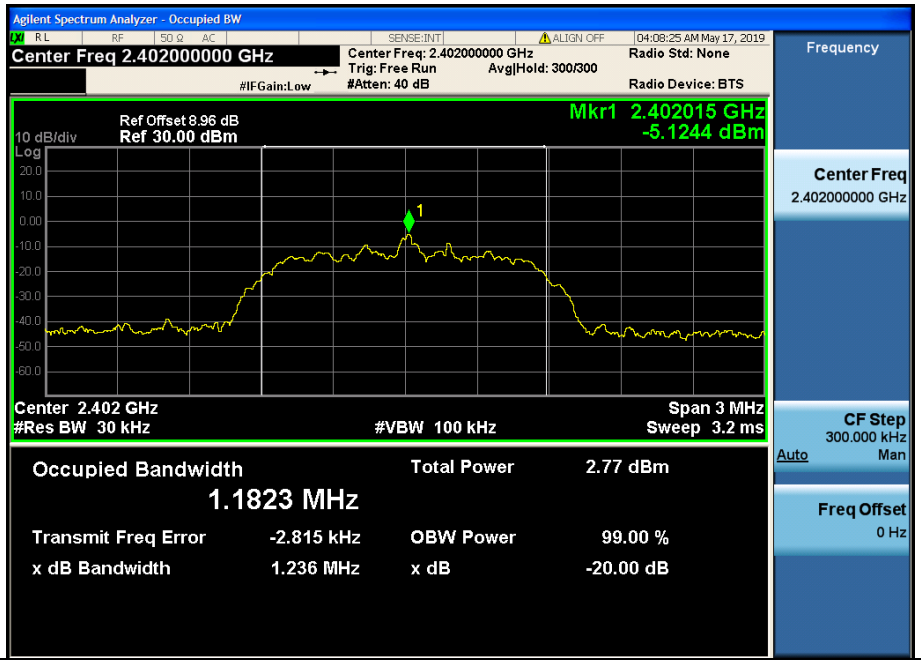


TX CH39

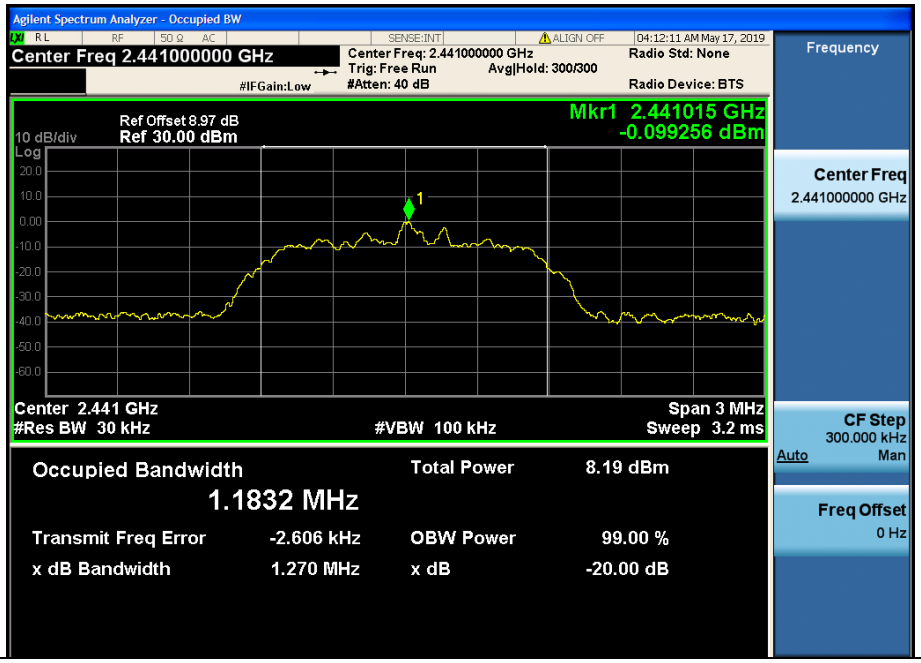


TX CH78


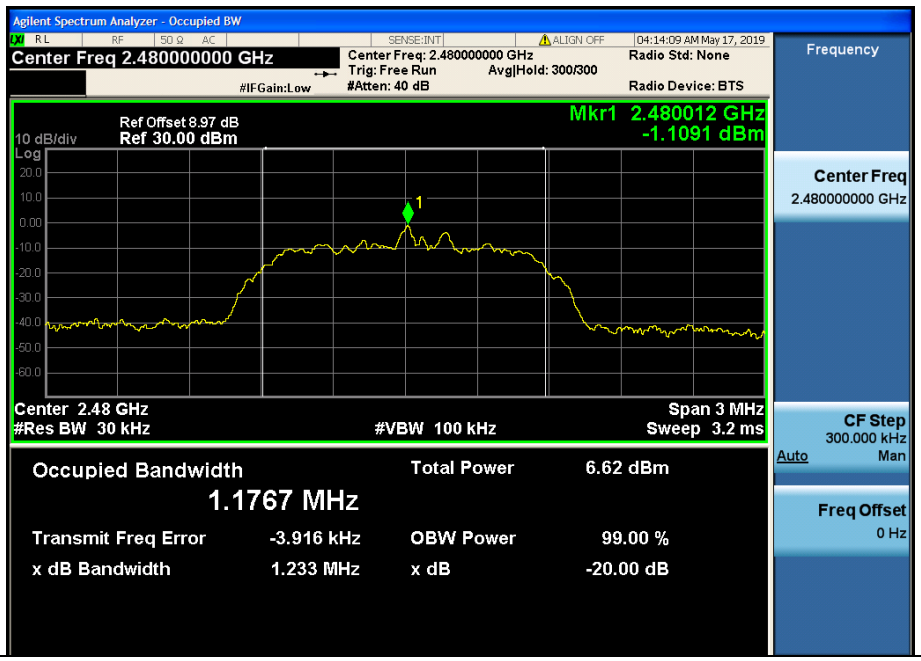
π/4-DQPSK

TX CH00


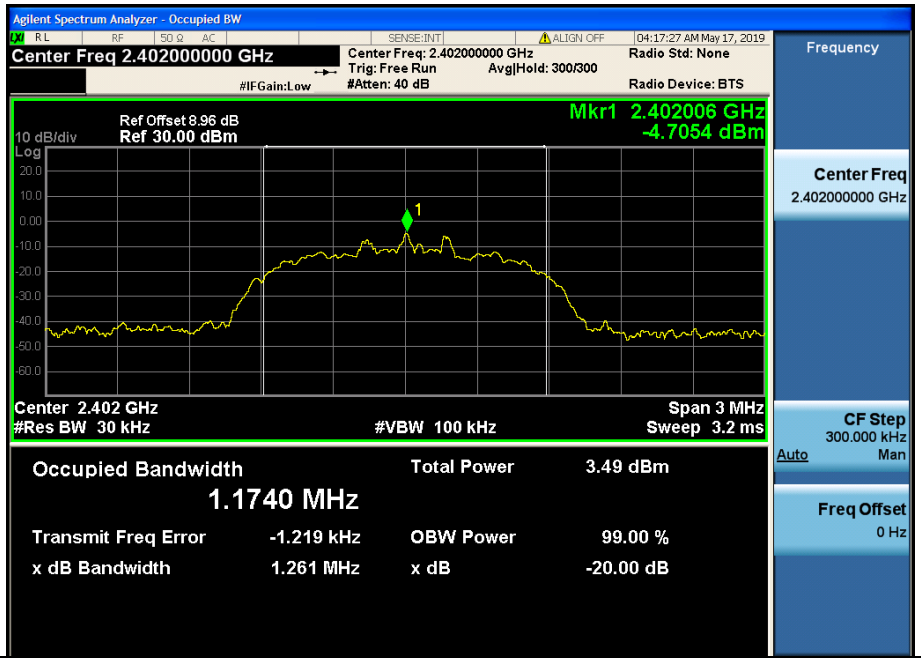
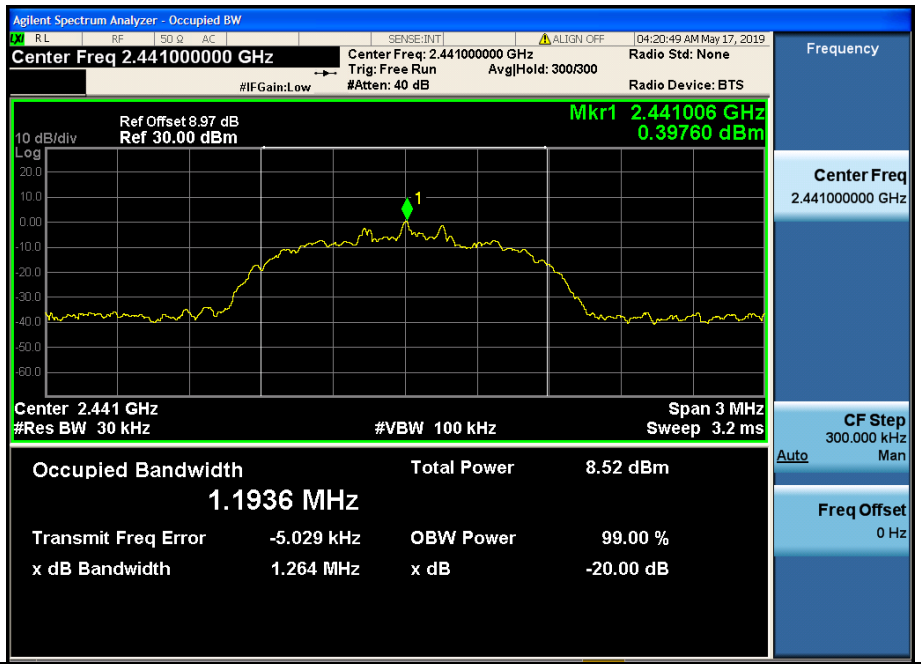
TX CH39



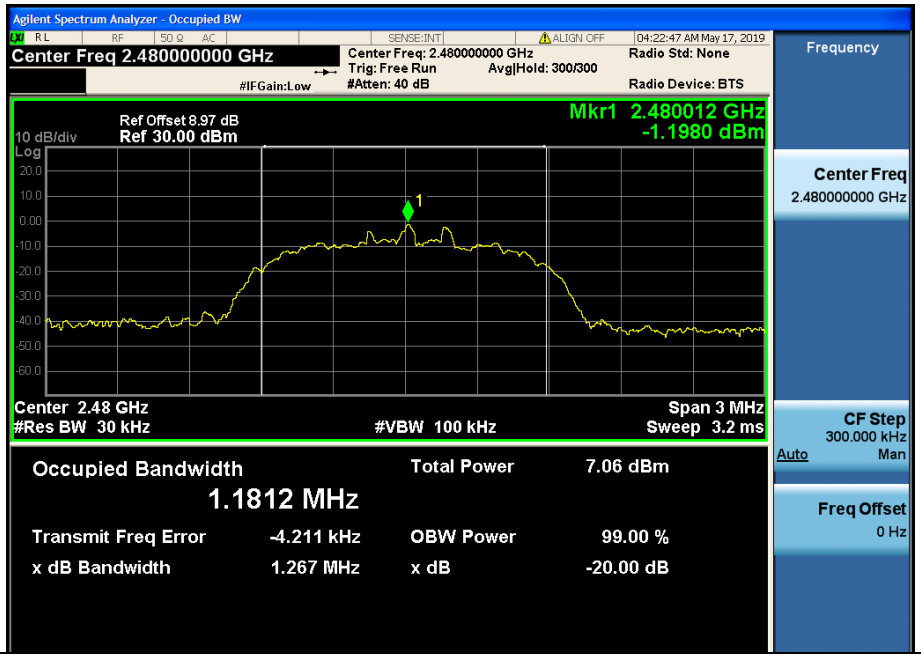
TX CH78



8DPSK mode

TX CH00

TX CH39


TX CH78

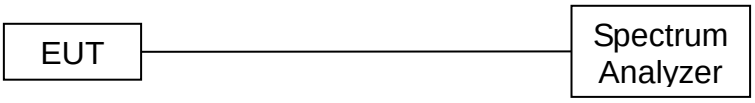

Agilent Spectrum Analyzer - Occupied BW
Center Freq 2.480000000 GHz
Center Freq: 2.480000000 GHz
Trig: Free Run
Avg|Hold: 300/300
#IFGain:Low
#Atten: 40 dB
Radio Std: None
Radio Device: BTS
04:22:47 AM May 17, 2019
Frequency
Ref Offset 8.97 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.480012 GHz
-1.1980 dBm
Center Freq
2.480000000 GHz
Center 2.48 GHz
#Res BW 30 kHz
#VBW 100 kHz
Span 3 MHz
Sweep 3.2 ms
CF Step
300.000 kHz
Auto
Man
Occupied Bandwidth
1.1812 MHz
Total Power
7.06 dBm
Transmit Freq Error
-4.211 kHz
OBW Power
99.00 %
x dB Bandwidth
1.267 MHz
x dB
-20.00 dB
Freq Offset
0 Hz

5.6 Carrier frequency separation

5.6.1 Limit

FCC Part15 (15.247) , Subpart C			
Section	Test Item	Limit	Frequency Range (MHz)
15.247(a)(1)	Channel Separation	>25KHz or >two-thirds of the 20 dB bandwidth (Which is greater)	2400-2483.5

5.6.2 Test setup



5.6.3 Test procedure

(1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
(2) Spectrum Setting:
RBW=30 kHz, VBW=100 kHz, detector= Peak, Sweep Time =auto.
(3) The EUT was set to the Hopping Mode for Channel Separation Test and continuously transmitting for the Test.

5.6.4 Test results

Test data

EUT：	Over-ear 3D Wireless Noise-Cancelling Headset	Model Name ：	NC18
Temperature：	25 ℃	Relative Humidity：	60%
Pressure：	1012 hPa	Test Voltage ：	DC 3.8V by battery
Test Mode ：	GFSK, π/4-DQPSK, 8DPSK /CH00, CH39, CH78		

Mode	Channel	Frequency (MHz)	Test Result (kHz)	Limit (kHz)		Result
GFSK	Low	2402	1168	631.600	2/3 of 20dB BW	Pass
	Middle	2441	1040	629.333	2/3 of 20dB BW	Pass
	High	2480	1154	634.400	2/3 of 20dB BW	Pass
π/4-DQPSK	Low	2402	1170	824.000	2/3 of 20dB BW	Pass
	Middle	2441	1336	846.667	2/3 of 20dB BW	Pass
	High	2480	1184	822.000	2/3 of 20dB BW	Pass
8DPSK	Low	2402	1170	840.667	2/3 of 20dB BW	Pass
	Middle	2441	1002	842.667	2/3 of 20dB BW	Pass
	High	2480	1148	844.667	2/3 of 20dB BW	Pass

Test plots

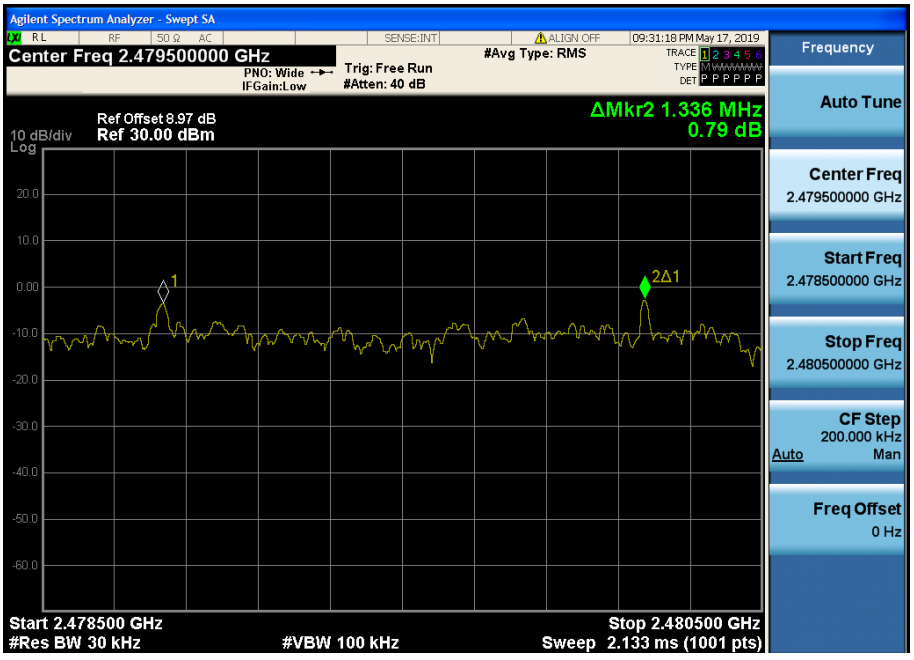
GFSK mode-CH00

GFSK mode-CH39

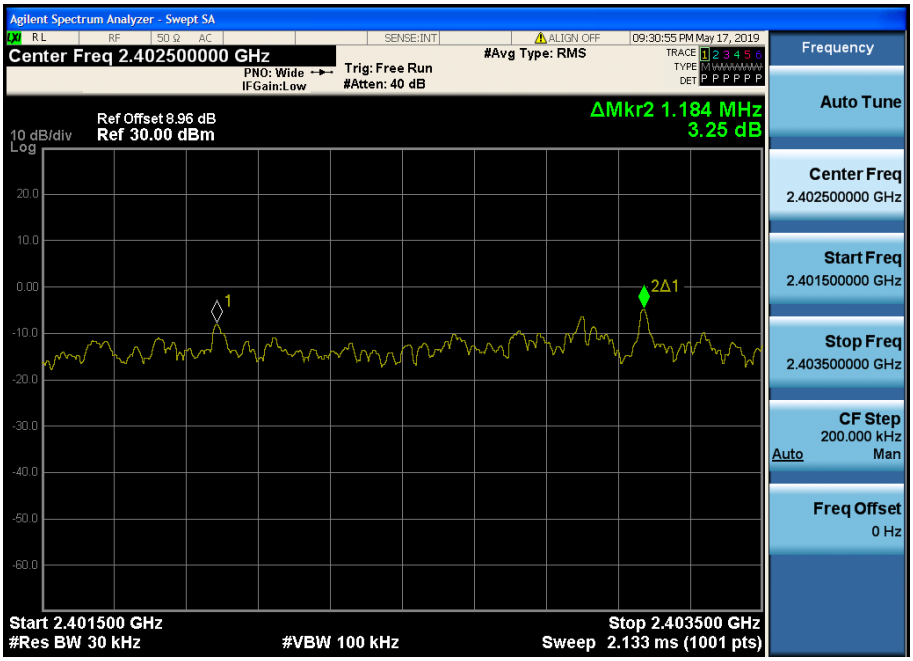
GFSK mode-CH78

π/4-DQPSK mode-CH00

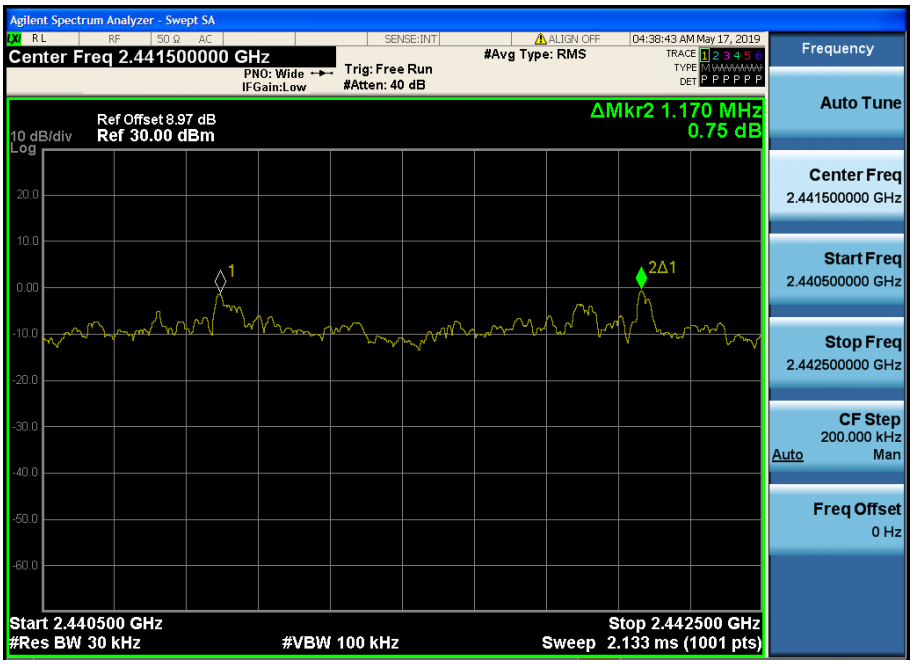
π/4-DQPSK mode-CH39



π/4-DQPSK mode-CH78

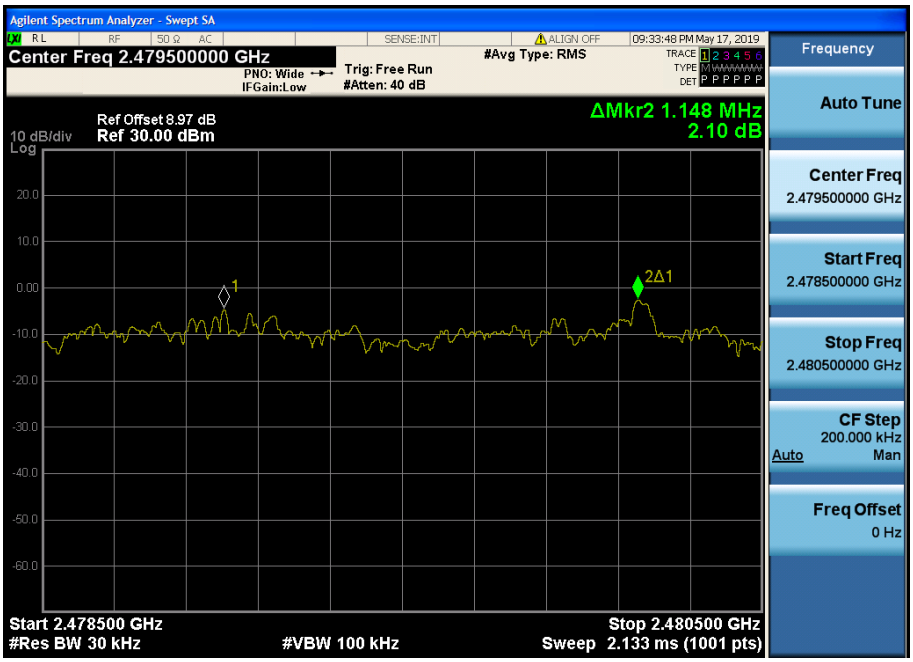


8DPSK mode-CH00



8DPSK mode-39

8DPSK mode-CH78



5.7 Hopping Channel

5.7.1 Description

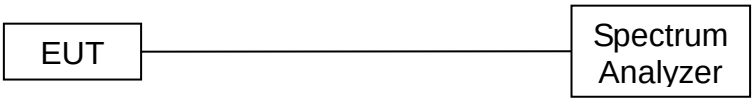
(g) Frequency hopping spread spectrum systems are not required to employ all available hopping channels during each transmission. However, the system, consisting of both the transmitter and the receiver, must be designed to comply with all of the regulations in this section should the transmitter be presented with a continuous data (or information) stream. In addition, a system employing short transmission bursts must comply with the definition of a frequency hopping system and must distribute its transmissions over the minimum number of hopping channels specified in this section.

(h) The incorporation of intelligence within a frequency hopping spread spectrum system that permits the system to recognize other users within the spectrum band so that it individually and independently chooses and adapts its hopsets to avoid hopping on occupied channels is permitted. The coordination of frequency hopping systems in any other manner for the express purpose of avoiding the simultaneous occupancy of individual hopping frequencies by multiple transmitters is not permitted.

5.7.2 Limit

Frequency hopping systems in the 2400-2483.5MHz band shall use at least 15 channels.

5.7.3 Test setup



5.7.4 Test procedure

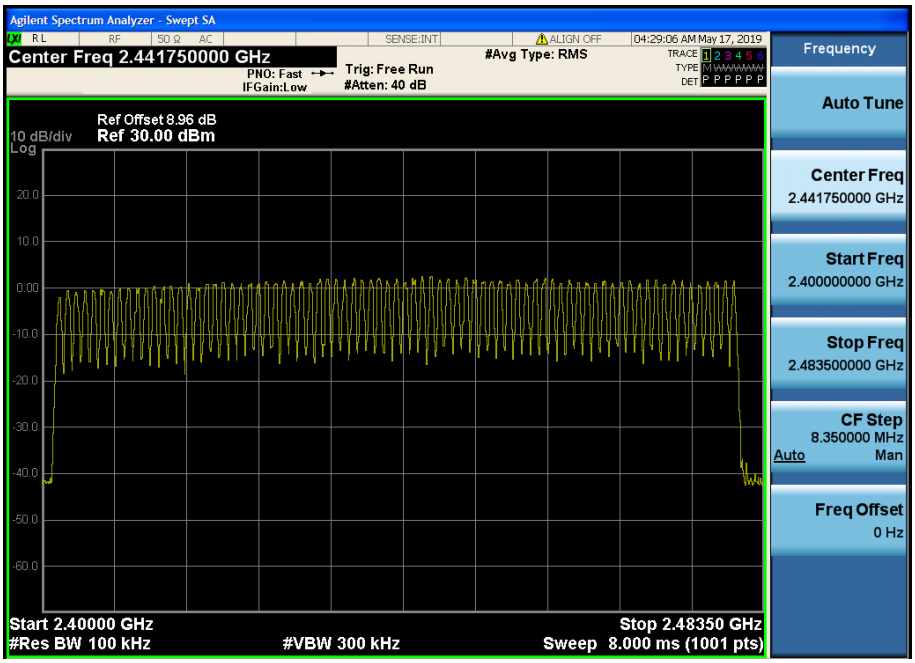
The testing follows ANSI C63.10-2013 clause 7.8.3
The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.
The path loss was compensated to the results for each measurement.
Set to the maximum power setting and enable the EUT transmit continuously.
The EUT must have its hopping function enabled.
Use the following spectrum analyzer settings:
Span = the frequency band of operation
RBW : To identify clearly the individual channels, set the RBW to less than 30% of the channel spacing or the 20 dB bandwidth, whichever is smaller.
VBW ≥ RBW
Sweep = auto
Detector function = peak
Trace = max hold

5.7.5 Test results

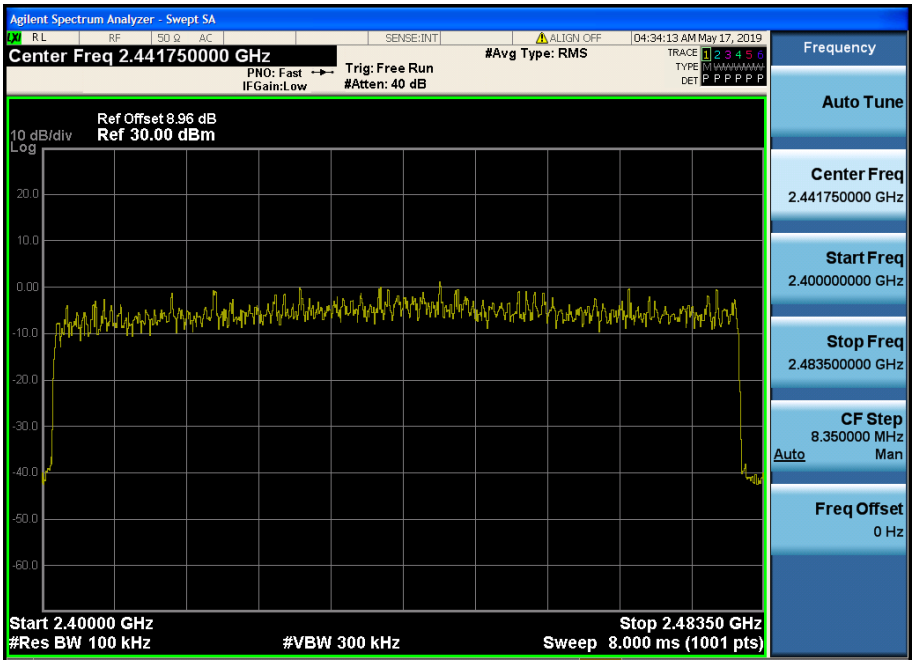
Mode	Quantity of Hopping Channel	Limit	Results
GFSK, π/4-DQPSK, 8DPSK	79	>15	Pass

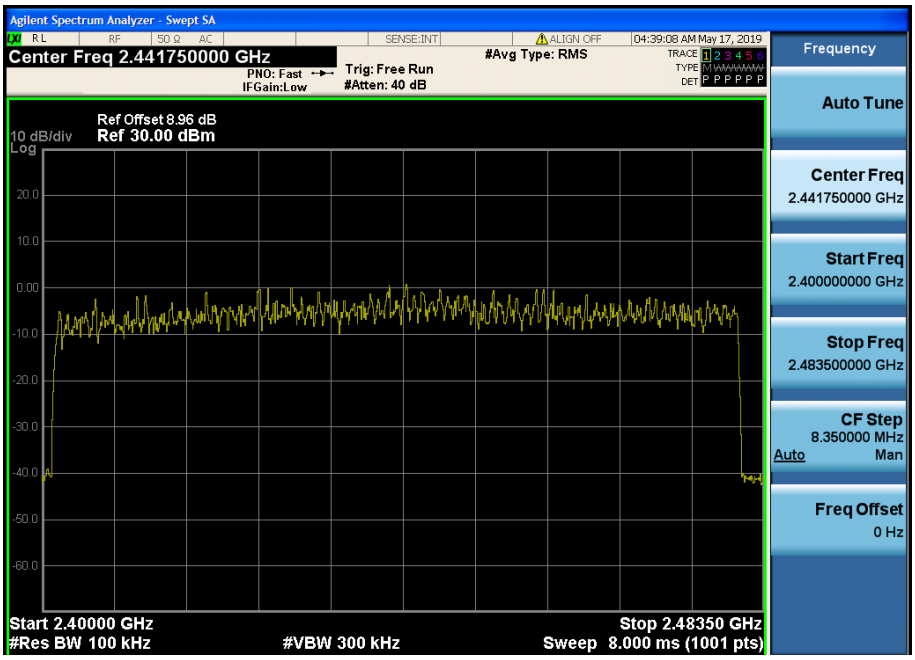
Test plots

GFSK mode



π/4-DQPSK mode



8DPSK mode


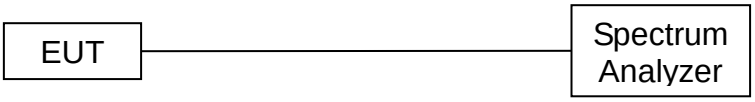
Note: There is a bluetooth device which using FHSS technology, it will be hopping with 79 channel with random sequence.and aslo it could be detect the using channel when the channel was interferenced by other devices.the manurfance declare that the bluetooth could use the normal channel was 4,5,6,11,12,16,17,18,36,37,38,39,40,41,42,70,71,72,75,76,77, the device satisfy 15.247 g)& h).

5.8 Dwell time

5.8.1 Limit

FCC Part15 (15.247) , Subpart C			
Section	Test Item	Limit	Frequency Range (MHz)
15.247(a)(a)	Dwell time	0.4 sec	2400-2483.5

5.8.2 Test setup



5.8.3 Test procedure

(1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
(2) Spectrum Setting: RBW=1MHz, VBW=1MHz, Span=0Hz, Detector=Peak
(3) Use video trigger with the trigger level set to enable triggering only on full pulses.
(4) Sweep Time is more than once pulse time.
(5) Set the center frequency on any frequency would be measure and set the frequency span to zero span.
(6) Measure the maximum time duration of one single pulse.
(7) Set the EUT for packet transmitting.
(8) Measure the maximum time duration of one single pulse.
(9) The EUT was set to the Hopping Mode for Dwell Time Test

5.8.4 Test results

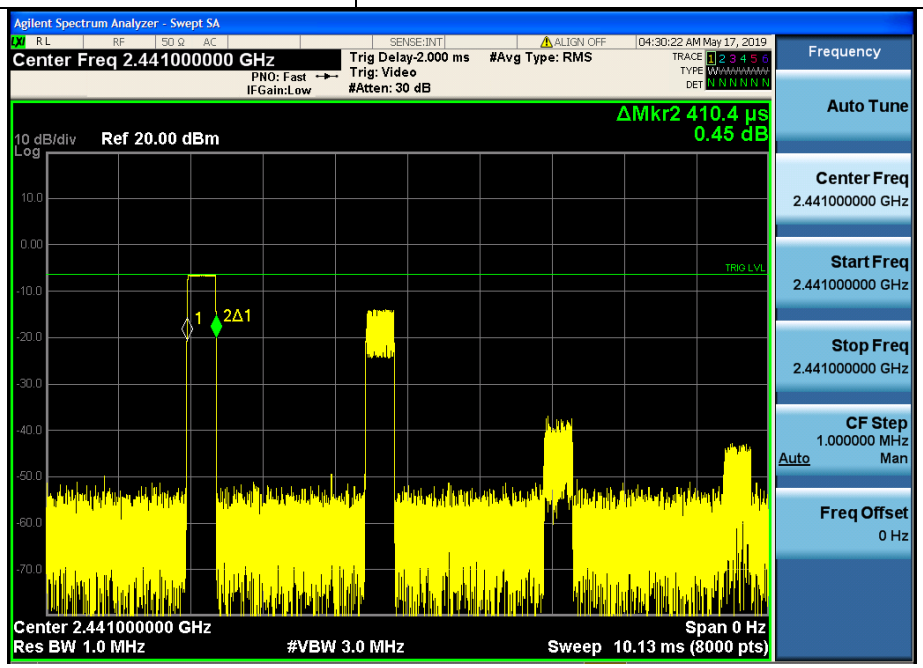
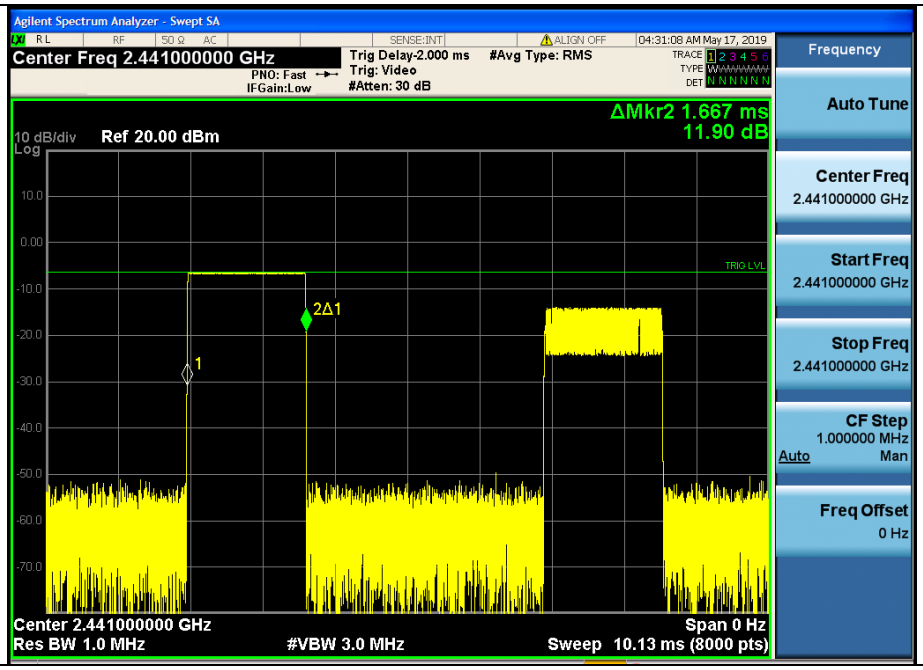
Test data

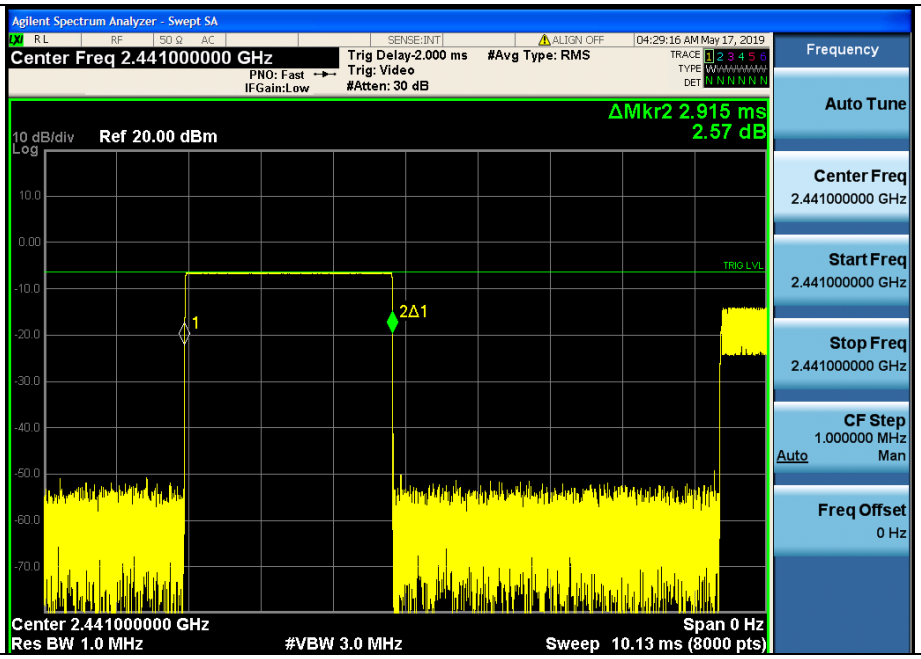
EUT：	Over-ear 3D Wireless Noise-Cancelling Headset	Model Name ：	NC18
Temperature：	25 ℃	Relative Humidity：	60%
Pressure：	1012 hPa	Test Voltage ：	DC 3.8V by battery
Test Mode ：	GFSK, π/4-DQPSK, 8DPSK /CH39		

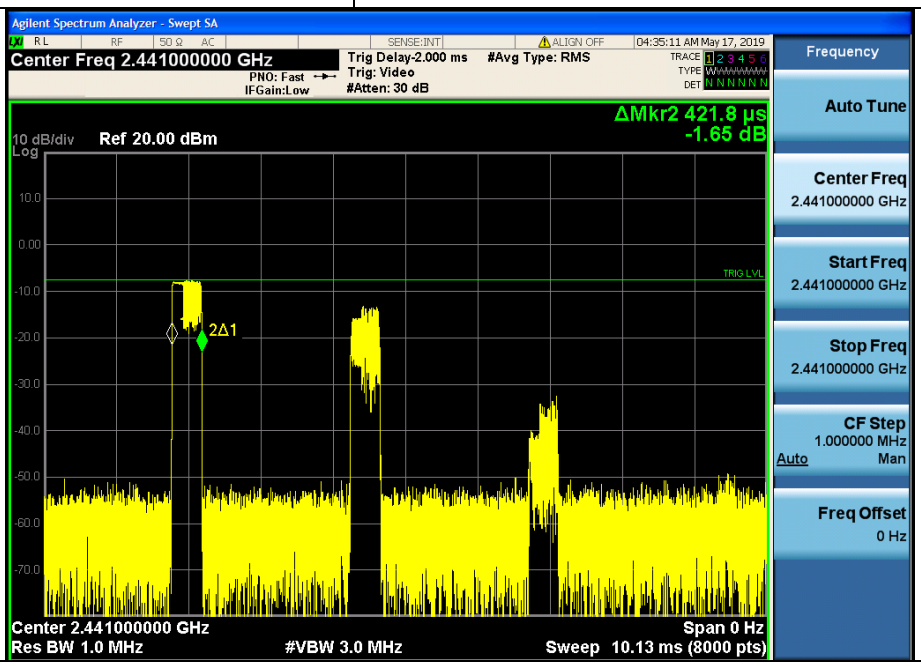
Mode	Data Packet	Frequency (MHz)	Pulse Duration (ms)	Dwell Time (ms)	Limit(s)	Conclusion
GFSK	DH1	2441	0.41	131.200	<0.4	Pass
	DH3	2441	1.67	267.200	<0.4	Pass
	DH5	2441	2.91	310.400	<0.4	Pass
π/4 DQPSK	2DH1	2441	0.42	134.400	<0.4	Pass
	2DH3	2441	1.67	267.200	<0.4	Pass
	2DH5	2441	2.92	311.467	<0.4	Pass
8DPSK	3DH1	2441	0.42	134.400	<0.4	Pass
	3DH3	2441	1.67	267.200	<0.4	Pass
	3DH5	2441	2.92	311.467	<0.4	Pass

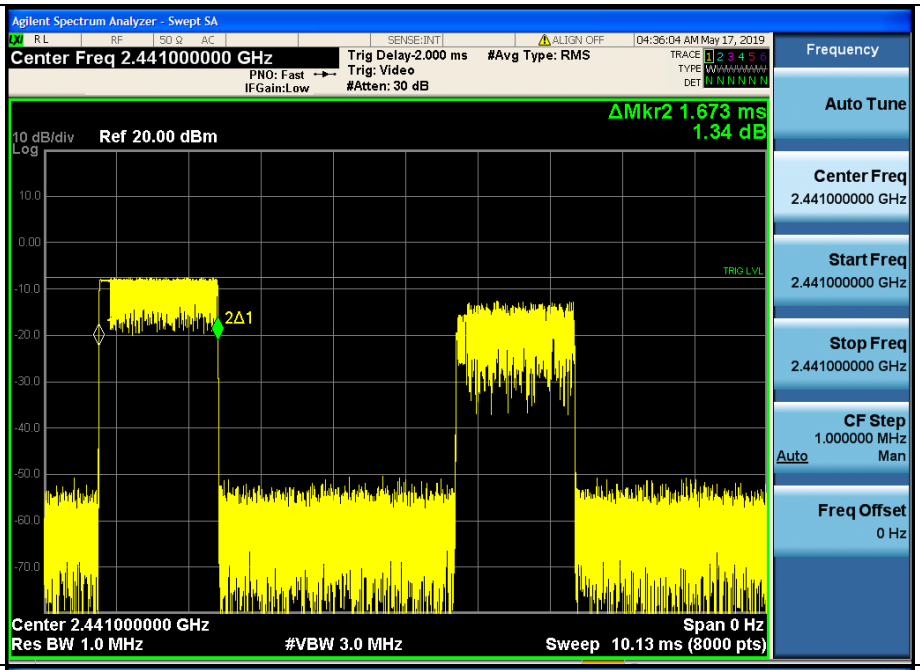
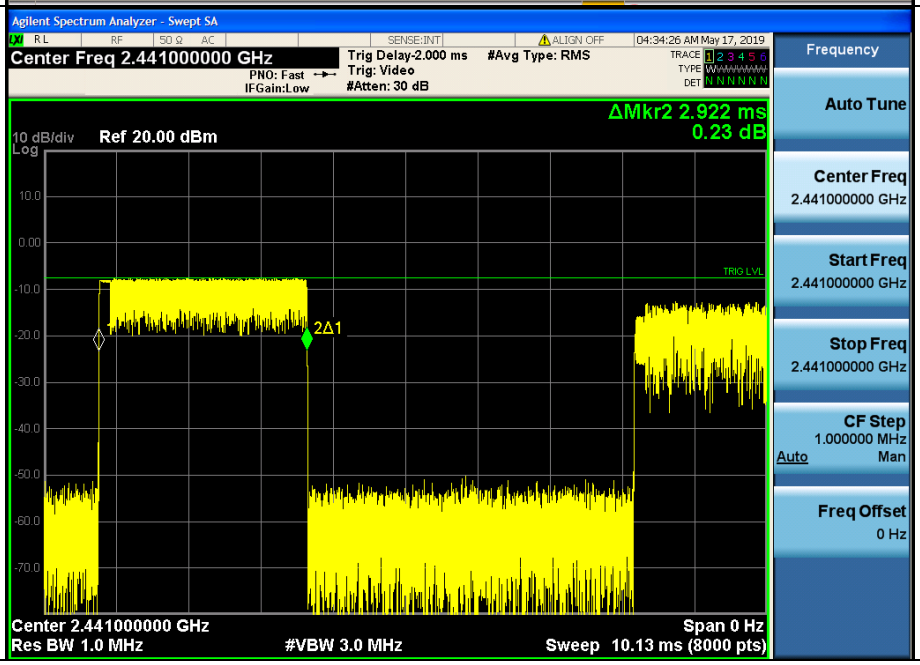
*Note1: A period time = 0.4 (s) * 79 = 31.6(s)*
Note2:
*DH1 time slot = Pulse Duration * (1600/(2*79)) * A period time*
*DH3 time slot = Pulse Duration * (1600/(4*79)) * A period time*
*DH5 time slot = Pulse Duration * (1600/(6*79)) * A period time*
Note3: For GFSK, π/4-DQPSK and 8DPSK: The test period: T= 0.4 Second/Channel x 79 Channel = 31.6 s

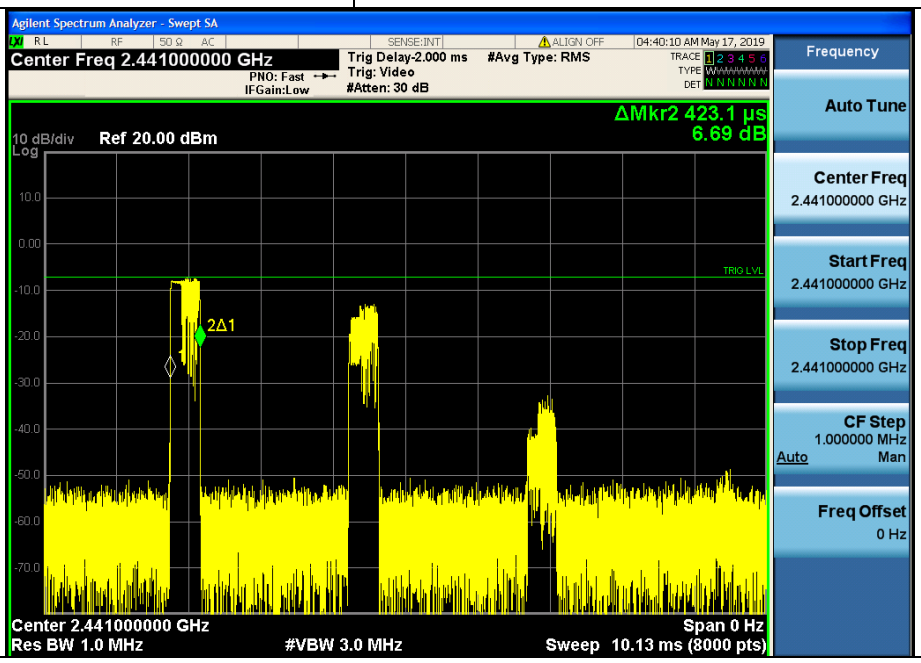
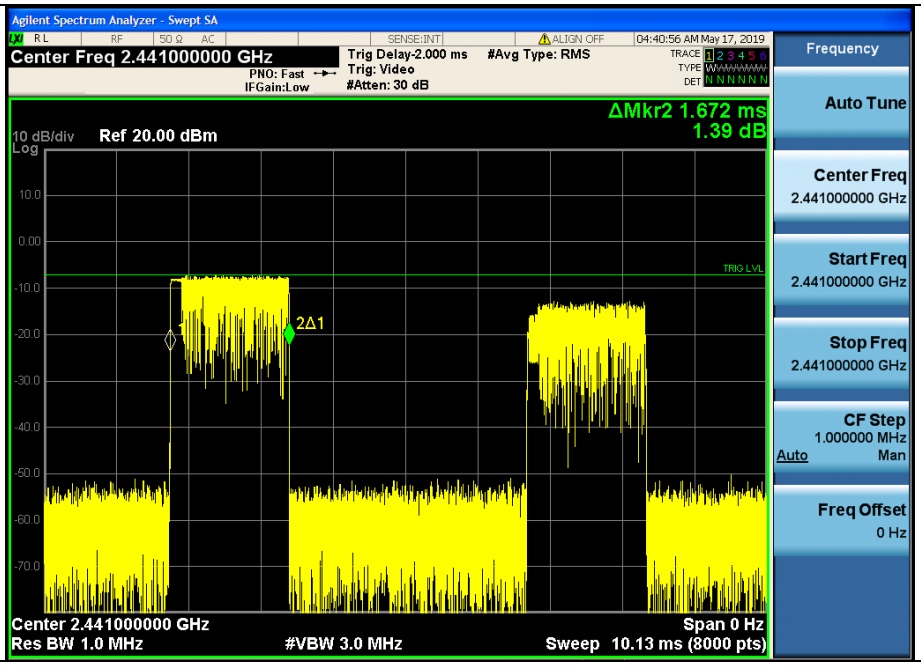
Test plots

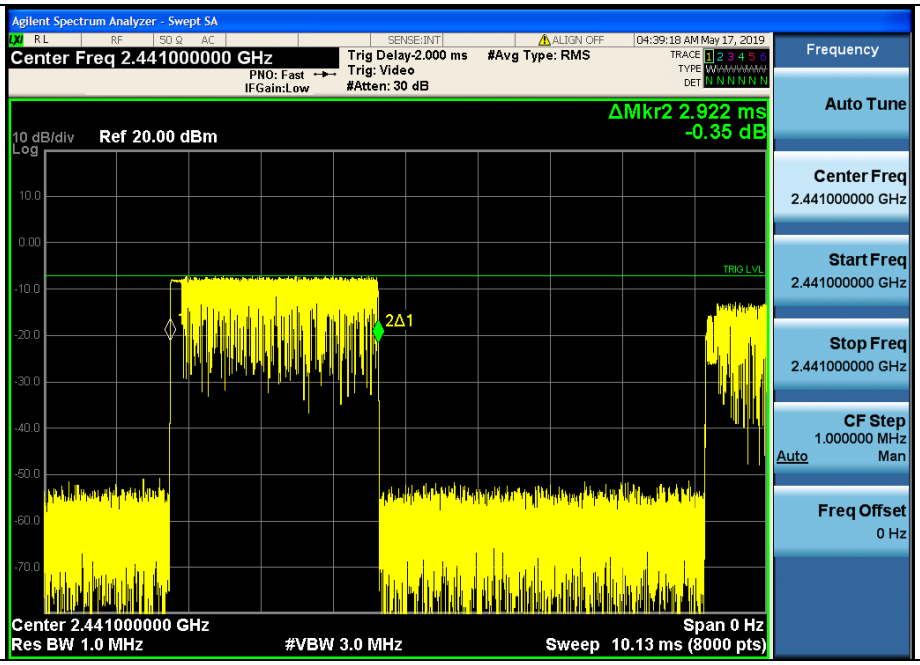
Modulation mode	GFSK mode
DH1	
DH3	

DH5		

Modulation mode		π/4-DQPSK
2-DH1		

2-DH3		 Agilent Spectrum Analyzer - Swept SA Center Freq 2.441000000 GHz PNO: Fast IFGain:Low Trig Delay-2.000 ms Trig: Video #Atten: 30 dB #Avg Type: RMS 04:36:04 AM May 17, 2019 ΔMkr2 1.673 ms 1.34 dB 10 dB/div Log Ref 20.00 dBm 2Δ1 Center 2.441000000 GHz Res BW 1.0 MHz #VBW 3.0 MHz Span 0 Hz Sweep 10.13 ms (8000 pts) Frequency Auto Tune Center Freq 2.441000000 GHz Start Freq 2.441000000 GHz Stop Freq 2.441000000 GHz CF Step 1.000000 MHz Auto Man Freq Offset 0 Hz
2-DH5		 Agilent Spectrum Analyzer - Swept SA Center Freq 2.441000000 GHz PNO: Fast IFGain:Low Trig Delay-2.000 ms Trig: Video #Atten: 30 dB #Avg Type: RMS 04:34:26 AM May 17, 2019 ΔMkr2 2.922 ms 0.23 dB 10 dB/div Log Ref 20.00 dBm 2Δ1 Center 2.441000000 GHz Res BW 1.0 MHz #VBW 3.0 MHz Span 0 Hz Sweep 10.13 ms (8000 pts) Frequency Auto Tune Center Freq 2.441000000 GHz Start Freq 2.441000000 GHz Stop Freq 2.441000000 GHz CF Step 1.000000 MHz Auto Man Freq Offset 0 Hz

Modulation mode		8DPSK mode
3-DH1		
3-DH3		

3-DH5		

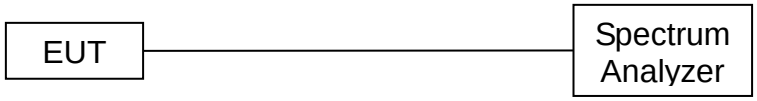
Agilent Spectrum Analyzer - Swept SA
Center Freq 2.441000000 GHz
PNO: Fast
IFGain:Low
Trig Delay-2.000 ms
Trig: Video
#Atten: 30 dB
#Avg Type: RMS
04:39:18 AM May 17, 2019
ΔMkr2 2.922 ms
-0.35 dB
10 dB/div
Log
Ref 20.00 dBm
TRIG LVL
2Δ1
Center 2.441000000 GHz
Res BW 1.0 MHz
#VBW 3.0 MHz
Span 0 Hz
Sweep 10.13 ms (8000 pts)
Frequency
Auto Tune
Center Freq
2.441000000 GHz
Start Freq
2.441000000 GHz
Stop Freq
2.441000000 GHz
CF Step
1.000000 MHz
Auto
Man
Freq Offset
0 Hz

5.9 Conducted bandedge

5.9.1 Limit

In any 100 kHz 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 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, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

5.9.2 Test setup



5.9.3 Test procedure

a) Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
b) Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
c) Set RBW to 100 kHz and VBW of spectrum analyzer to 300 kHz with a convenient frequency span including 100 kHz bandwidth from band edge.
d) Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
e) Repeat above procedures until all measured frequencies were complete.

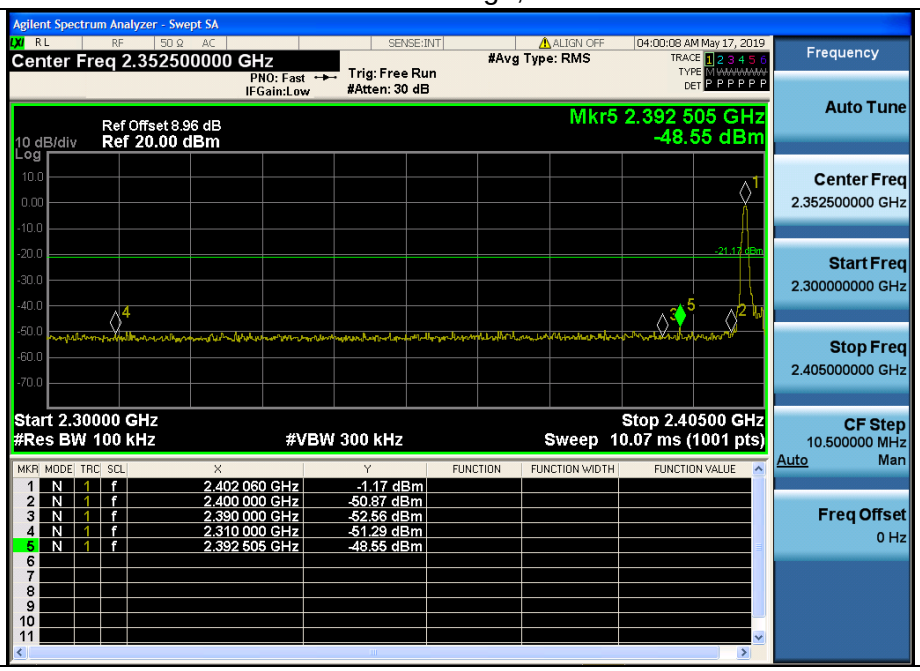
5.9.4 Test results

Test data

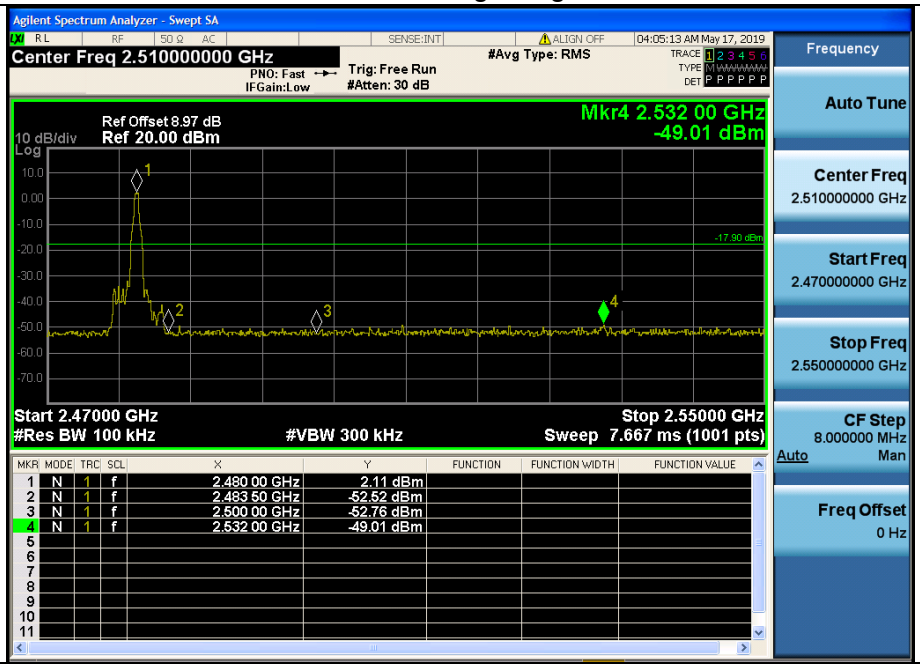
EUT：	Over-ear 3D Wireless Noise-Cancelling Headset	Model Name ：	NC18
Temperature：	25 ℃	Relative Humidity：	60%
Pressure：	1012 hPa	Test Voltage ：	DC 3.8V by battery

Test plots

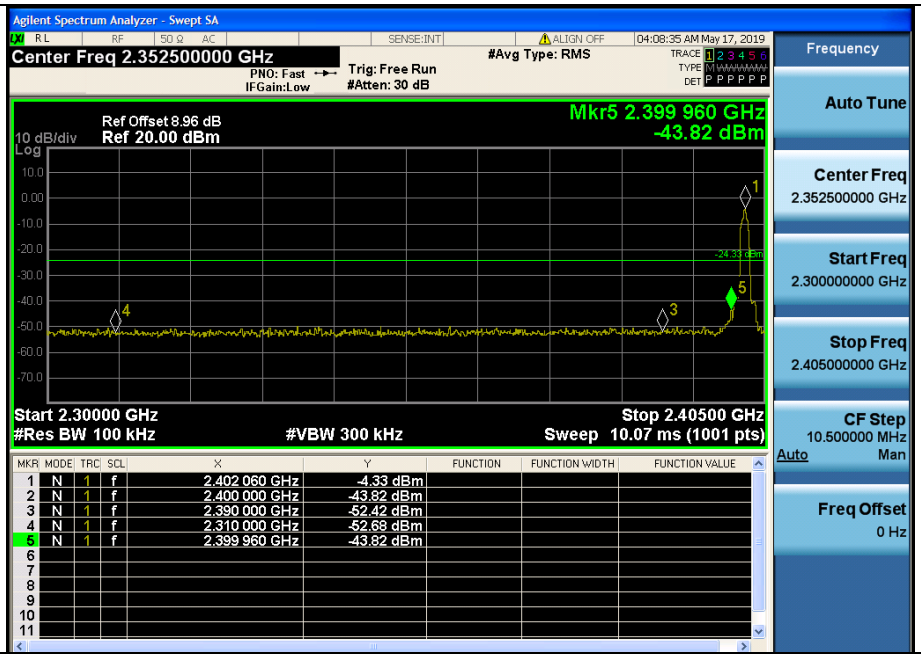
GFSK: Band Edge, Left Side



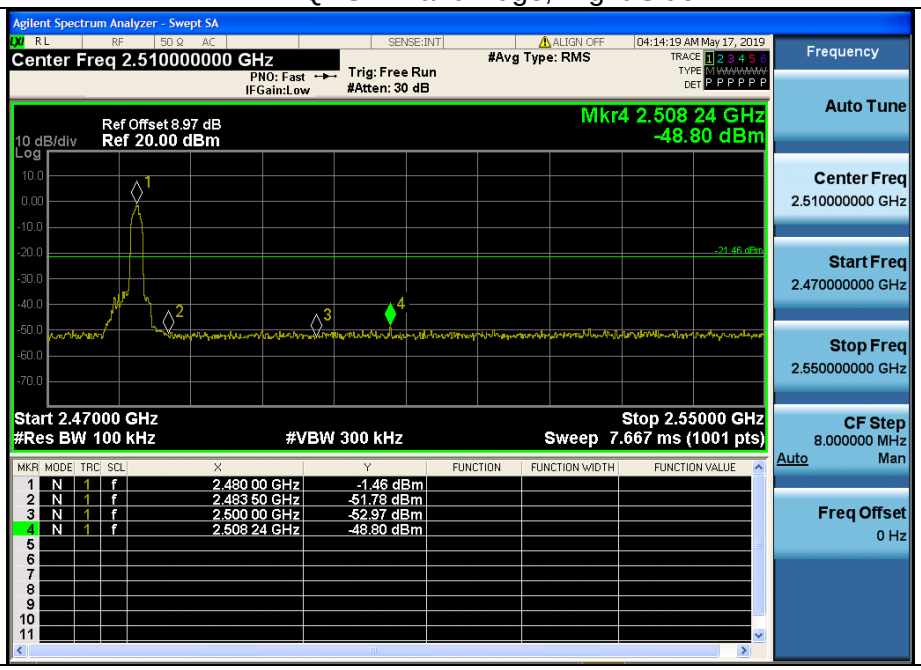
GFSK: Band Edge, Right Side



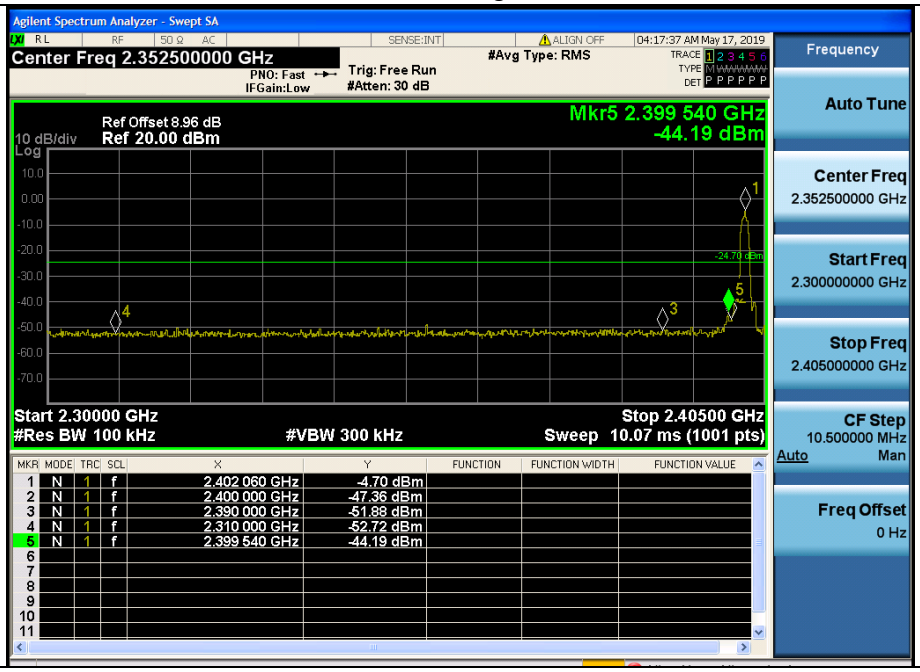
π/4-DQPSK: Band Edge, Left Side



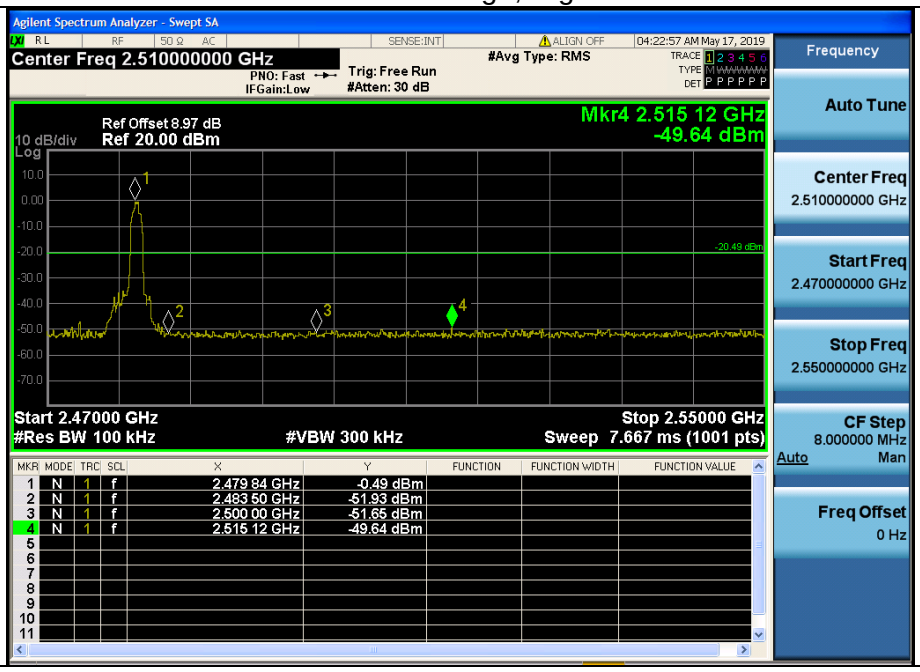
π/4-DQPSK: Band Edge, Right Side



8DPSK: Band Edge, Left Side

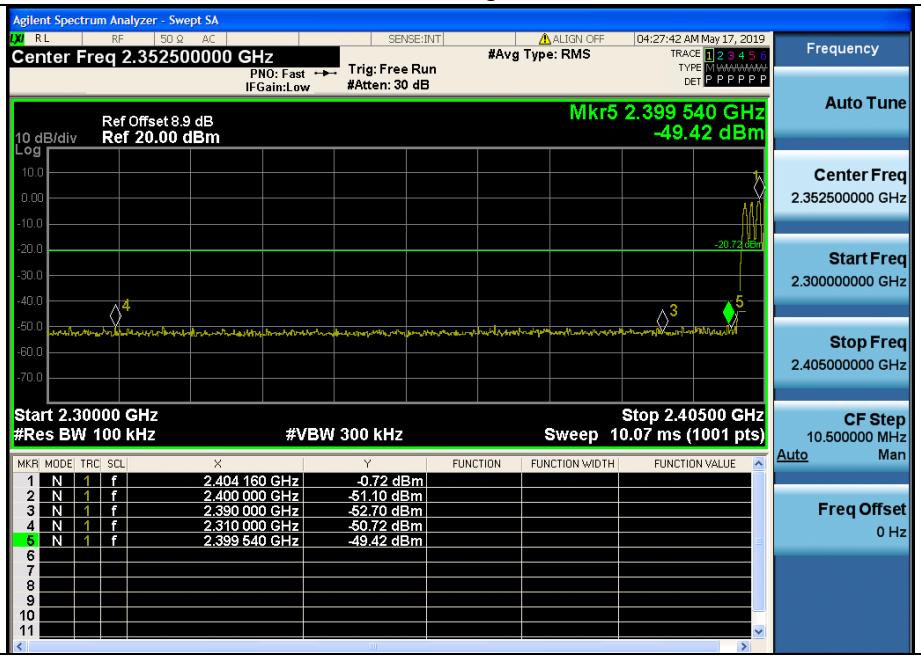


8DPSK: Band Edge, Right Side

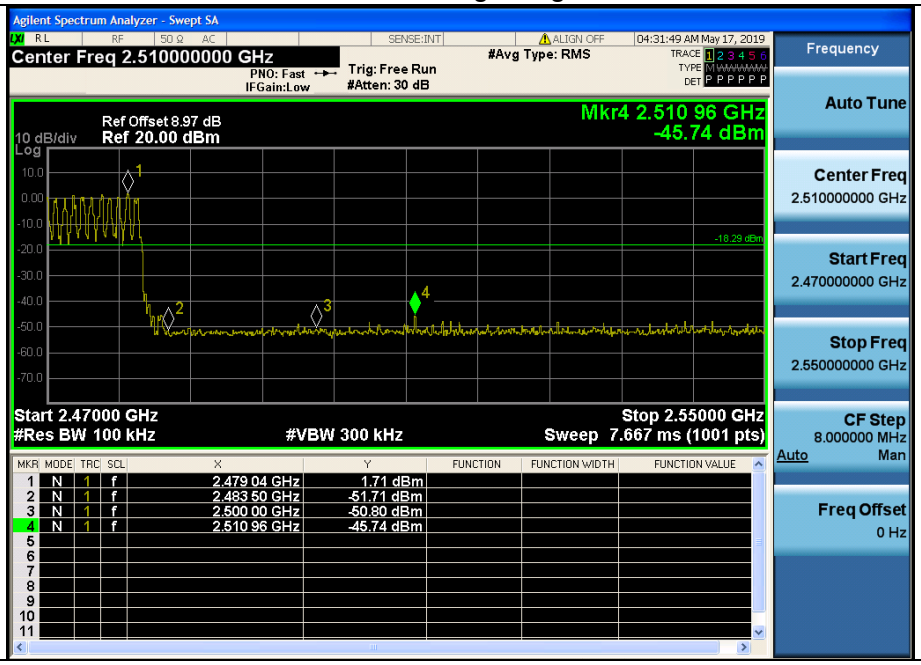


Hopping Mode
Test plots

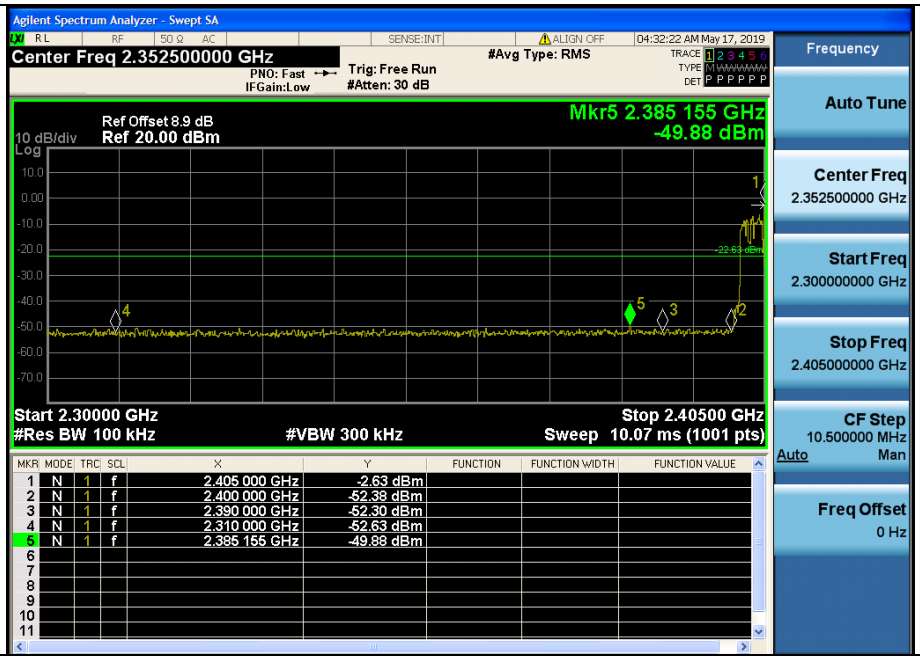
GFSK: Band Edge, Left Side



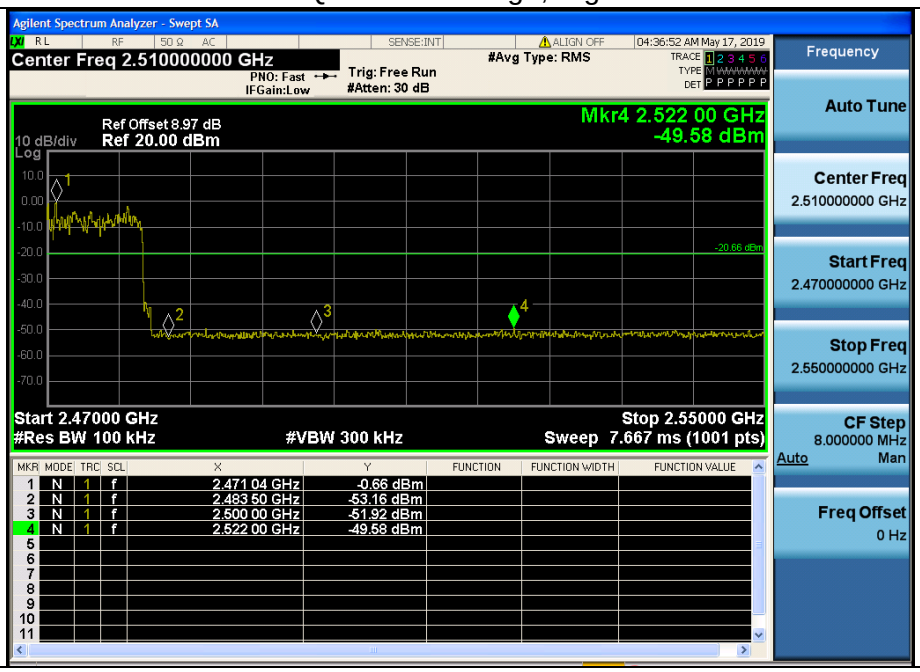
GFSK: Band Edge, Right Side



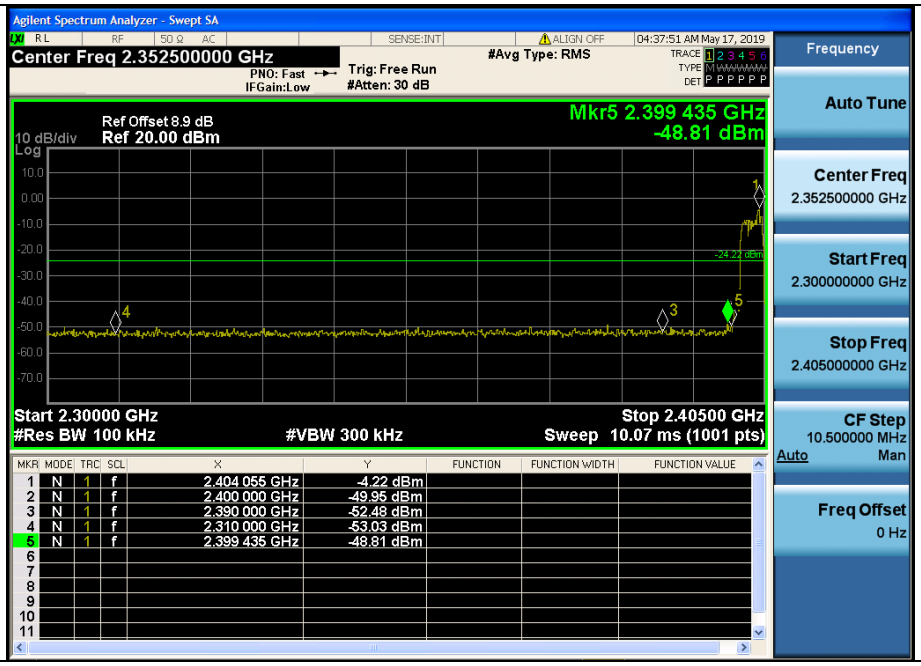
π/4-DQPSK: Band Edge, Left Side



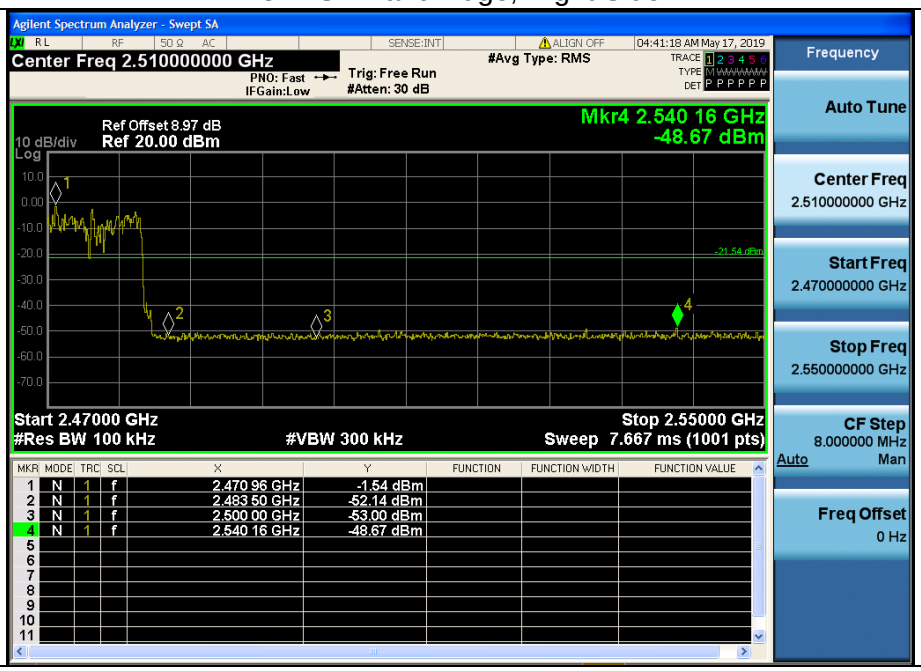
π/4-DQPSK Band Edge, Right Side



8DPSK: Band Edge, Left Side



8DPSK Band Edge, Right Side



5.10 Spurious RF Conducted Emissions

5.10.1 Conformance Limit

Below -20dB of the highest emission level in operating band.

5.10.2 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

5.10.3 Test Setup

Please refer to Section 6.1 of this test report.

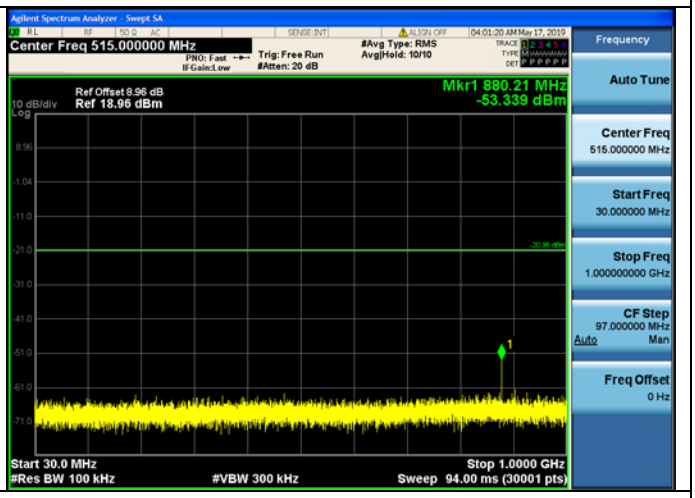
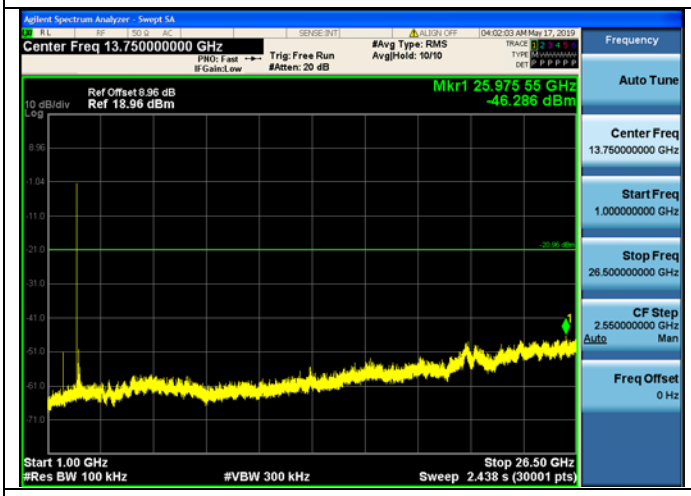
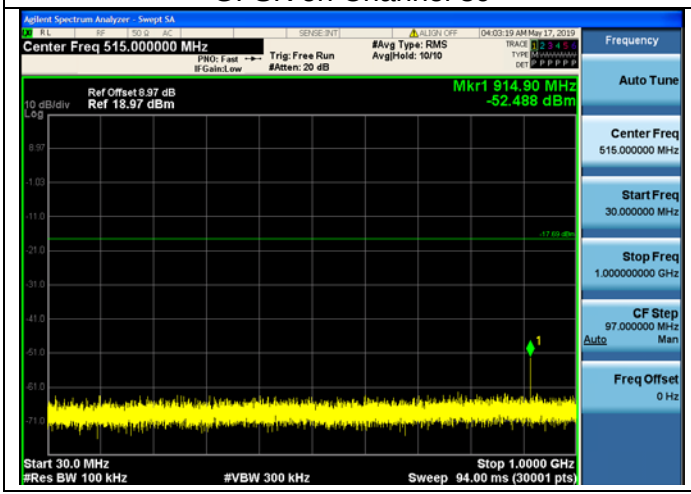
5.10.4 Test Procedure

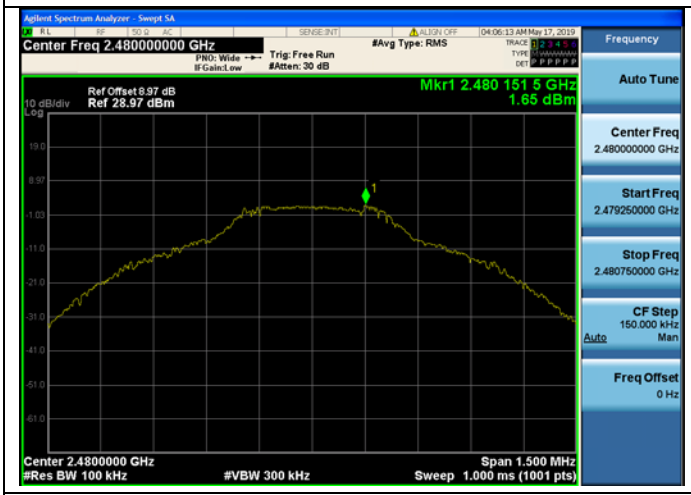
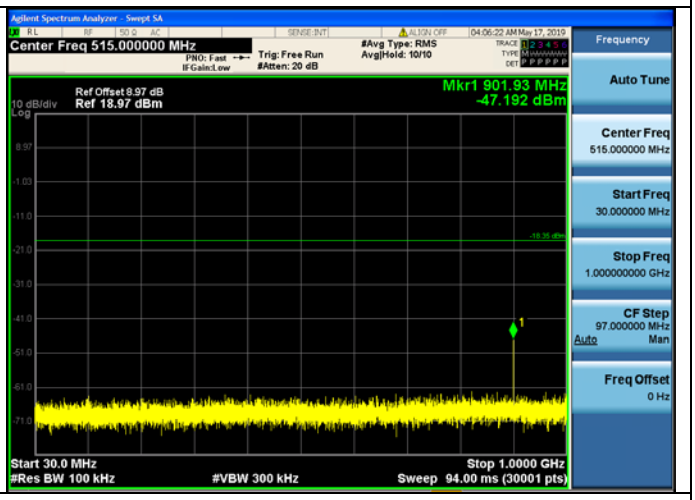
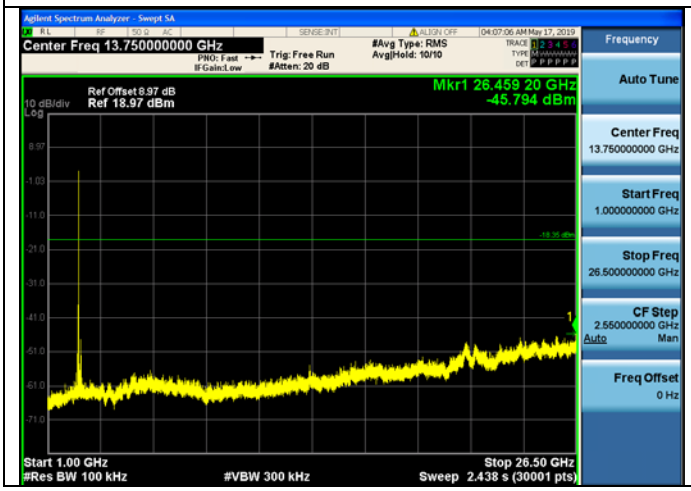
The Spurious RF conducted emissions compliance of RF radiated emission should be measured by following the guidance in ANSI C63.10-2013 with respect to maximizing the emission by rotating the EUT, measuring the emission while the EUT is situated in three orthogonal planes (if appropriate), adjusting the measurement antenna height and polarization etc. Set RBW=100kHz and VBW= 300KHz to measure the peak field strength, and measure frequency range from 9KHz to 26.5GHz.

5.10.5 Test Results

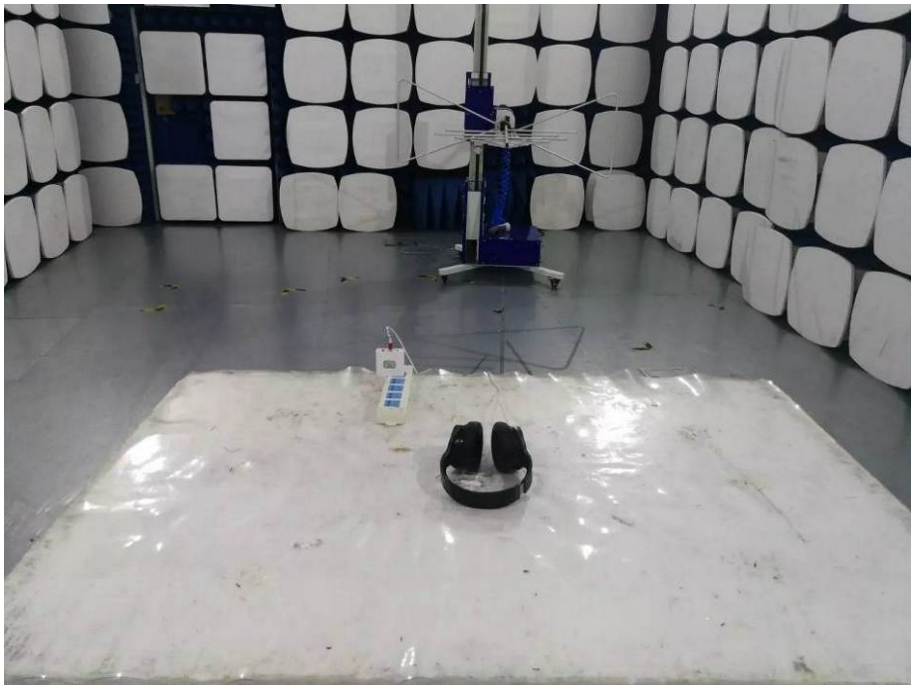
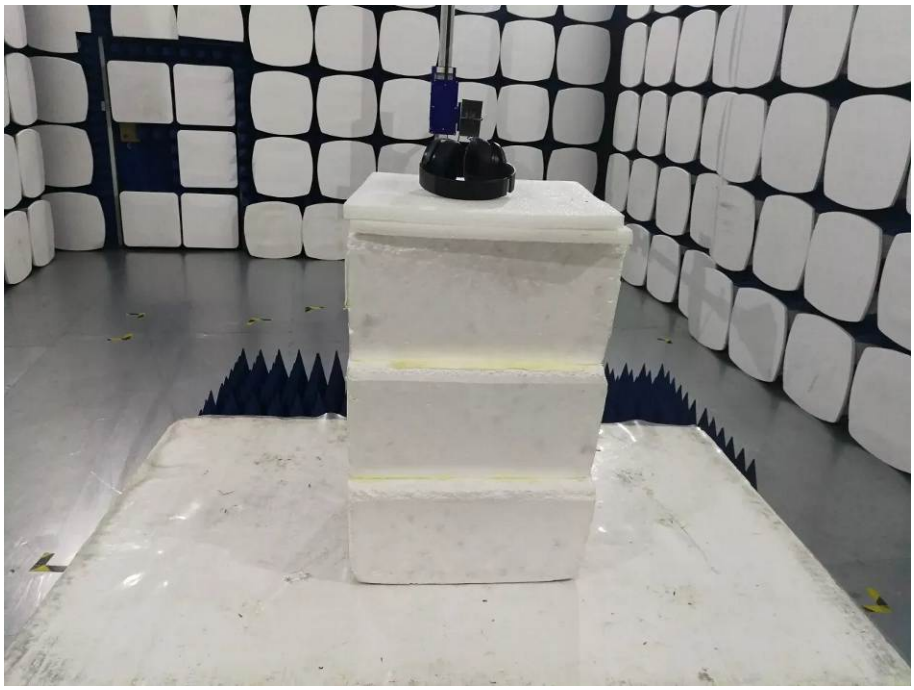
Remark: The measurement frequency range is from 9KHz to the 10th harmonic of the fundamental frequency. The lowest, middle and highest channels are tested to verify the spurious emissions and band edge measurement data.

The worst mode is GFSK mode, and the report only show the worst mode data.

GFSK on Channel 00	GFSK on Channel 00
	
GFSK on Channel 00	**GFSK on Channel 39**
	
GFSK on Channel 39	**GFSK on Channel 39**
	

GFSK on Channel 79	GFSK on Channel 79
	
GFSK on Channel 79	
	

Photographs of the Test Setup

Radiated emission



Conducted emission


Photographs of the EUT

See the APPENDIX 1: EUT PHOTO in the report No.: MTi190517E106-1.

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