



RF TEST REPORT

Product Name: Smart-hopping 1.4GHz USB AP

Model Name: RTX3300

FCC ID: T7HRTX3300

Issued For : RTX HONG KONG LTD

8TH FL CORPORATION SQUARE, 8 LAM LOK ST.,
KOWLOON BAY, HK.

Issued By : Shenzhen LGT Test Service Co., Ltd.

Room 205, Building 13, Zone B, Chen Hsong Industrial Park,
No.177 Renmin West Road, Jinsha Community, Kengzi
Street, Pingshan New District, Shenzhen, China

Report Number: LGT23B032RF01

Sample Received Date: Feb. 16, 2023

Date of Tested: Feb. 16, 2023 – Mar. 01, 2023

Date of Issue: Mar. 01, 2023

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TEST REPORT CERTIFICATION

Applicant RTX HONG KONG LTD
Address 8TH FL CORPORATION SQUARE, 8 LAM LOK ST.,
KOWLOON BAY, HK.
Manufacturer RTX HONG KONG LTD
Address 8TH FL CORPORATION SQUARE, 8 LAM LOK ST.,
KOWLOON BAY, HK.
Product Name Smart-hopping 1.4GHz USB AP
Trademark PHILIPS
Model Name RTX3300
Sample Status: Normal

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
47 CFR FCC Part 95H 47 CFR FCC Part 27 ANSI C63.26:2015	PASS

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Revision History

Rev.	Issue Date	Revisions
00	Mar. 01, 2023	Initial Issue



1. SUMMARY OF TEST

47 CFR FCC Part 95H 47 CFR FCC Part 27			
Range Of Measurements	Specification Reference	Judgment	Remark
RF power output	Part 2.1046(a) Part 27.50(e)	PASS	--
Transmitter Fundamental Fieldstrength	Part 95.2369(b)	PASS	--
Occupied Bandwidth	Part 2.1049	PASS	--
Conducted Spurious & Band Edge Emission	Part 27.53(j)	PASS	--
Radiated Emission	Part 27.53(j)	PASS	--
Radiated Emission & field strength	Part 95.2369 & 95.2379	PASS	--
Frequency Stability	Part 95.2565 & Part 27.54	PASS	--



1.1 TEST FACTORY

Company Name:	Shenzhen LGT Test Service Co., Ltd.
Address:	Room 205, Building 13, Zone B, Chen Hsong Industrial Park, No.177 Renmin West Road, Jinsha Community, Kengzi Street, Pingshan New District, Shenzhen, China
Accreditation Certificate	A2LA Certificate No.: 6727.01
	FCC Registration No.: 746540
	CAB ID: CN0136

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 %.

Parameter	Uncertainty
Occupied Channel Bandwidth	$\pm 3.2 \%$
RF Output Power, Conducted	$\pm 0.71\text{dB}$
Power Spectral Density, Conducted	$\pm 1.57 \text{ dB}$
Unwanted Emission, Conducted	$\pm 0.63\text{dB}$
Conducted emission	$\pm 2.80\text{dB}$
All Emissions, Radiated (0.009-30MHz)	$\pm 2.16\text{dB}$
All Emissions, Radiated (30MHz-1GHz)	$\pm 4.40\text{dB}$
All Emissions, Radiated (1GHz-18GHz)	$\pm 5.49\text{dB}$
Temperature	$\pm 0.5^{\circ}\text{C}$
Humidity	$\pm 2\%$
Duty Cycle	$\pm 2.3\%$



2. GENERAL INFORMATION

2.1 TECHNICAL SPECIFICATIONS AND REGULATIONS

2.1.1 PRODUCT DESCRIPTION

A major technical description of EUT is described as following:

Product Name	Smart-hopping 1.4GHz USB AP
Trademark	PHILIPS
Model Name	RTX3300
Series Model	N/A
Model Difference	N/A
Assigned frequency range	1390-1400 MHz 1427-1435 MHz
Antenna Type	F PCB
Antenna gain	ANT 1: 1 dBi ANT 2: 1 dBi
Power Input	USB DC 5V
Extreme Vol. Limits	DC 4.25V to DC 5.75V (Nominal 5V)
Operation temperature	0°C to +55°C
Test extreme Temp. Tolerance	-30°C to +50°C
Hardware version number	N/A
Software version number	N/A

Note:

1. The antenna information refer the manufacturer provide report, applicable only to the tested sample identified in the report.
2. Antenna 1 and Antenna 2 do not support simultaneous transmission.



2.1.2 Channel list

Mode	Channel Number	95	27	Modulation type
		1395-1400 1427-1432	1390-1395 1432-1435	
SH 1.0 WMTS	1	1395.8977	/	GFSK
	2	1397.4970	/	
	3	1399.0963	/	
	4	1427.8979	/	
	5	1429.4972	/	
	6	1431.0965	/	
	7	1430.2410	/	
SH 2.0 WMTS	14	1396.636	/	DBPSK
	15	1398.364	/	
	16	1428.513	/	
	17	1430.241	/	
SH 2.0 E-WMTS	11	/	1391.452	DQPSK D8PSK
	12	/	1393.180	
	13	/	1394.908	
	18	1431.969	/	
	19	/	1433.697	

2.1.3 RELATED SUBMITTAL(S) / GRANT (S)

This submittal(s) (test report) is intended for filing to comply with the 47 CFR Part 2, 27.

2.1.4 SPECIAL ACCESSORIES

The charger, antenna supplied by the applicant were used as accessories and being tested with eut intended for fcc grant together.

2.1.5 EUT CONFIGURATION

The EUT configuration for testing is installed on RF field strength measurement to meet the Commission's requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

2.1.6 EUT EXERCISE

The Transmitter was operated in the maximum output power mode through Communication Tester. The TX frequency was fixed which was for the purpose of the measurements.



2.1.7 DESCRIPTION OF THE TEST MODES

SH 1.0 WMTS		SH 2.0 WMTS		SH 2.0 E-WMTS	
Channel	Frequency	Channel	Frequency	Channel	Frequency
1	1395.8977	14	1396.636	11	1391.452
4	1427.8979	16	1428.513	13	1394.908
6	1431.0965	17	1430.241	18	1431.969
/	/	/	/	19	1433.697

Note: Only the worst modulation GFSK, DBPSK, D8PSK was tested and recorded in this report.

2.1.8 TEST SOFTWARE AND POWER LEVEL

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level.

Test software Version	Test program: 1.4GHz	
CMD	SH 1.0 WMTS	Default
	SH 2.0 WMTS	Default
	SH 2.0 E-WMTS	Default



2.1.9 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.

Accessories Equipment

Description	Manufacturer	Model	S/N	Rating

Auxiliary Equipment

Description	Manufacturer	Model	S/N	Rating
Laptop	HUAWEI	HKF-16	N/A	N/A
USB extension cable	N/A	N/A	N/A	0.5m

Note:

- (1) For detachable type I/O cable should be specified the length in cm in 『Length』 column.
- (2) “YES” is means “with core”; “NO” is means “without core”.



2.1.11 MEASUREMENT INSTRUMENTS

RF Radiated Test equipment					
Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Until
EMI Test Receiver	R&S	ESU8	100372	2022.04.12	2023.04.11
Active loop Antenna	R&S	HFH2-Z2	POS871398181	2022.06.02	2024.06.01
Spectrum Analyzer	Kesight	N9010B	MY60242508	2022.04.29	2023.04.28
Bilog Antenna	SCHAFFNER	CBL6112B	2705	2022.06.05	2024.06.04
Bilog Antenna	SCHAFFNER	VULB 9168	01447	2022.12.12	2023.12.11
Horn Antenna	Schwarzbeck	3115	10SL0060	2022.06.02	2024.06.01
Pre-amplifier(0.1 M-3GHz)	HP	8447D	2727A05655	2022.04.11	2023.04.10
Pre-amplifier(1-2 6.5G)	Agilent	8449B	3008A4722	2022.04.13	2023.04.12
RE Cable (9K-1G)	N.A	R01	N.A	2022.05.05	2023.05.04
RE Cable (1-26G)	N.A	R02	N.A	2022.05.05	2023.05.04
Wireless Communications Test Set	R&S	CMW 500	137737	2022.04.29	2023.04.28
Temperature & Humidity	KTJ	TA218B	N.A	2022.05.05	2023.05.04
Testing Software	EMC-I_V1.4.0.3_SKET				

RF Conducted Test equipment					
Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Until
Signal Analyzer	Keysight	N9010B	MY60242508	2022.04.29	2023.04.28
Signal Analyzer	Keysight	N9020A	MY50530994	2022.12.09	2023.12.08
RF Automatic Test system	MW	MW200-RFCB	MW220322LG	2022.04.29	2023.04.28
MXG Vector Signal Generator	Keysight	N5182B	MY59100717	2022.06.02	2023.06.01
Temperature& Humidity test chamber	AISRY	LX-1000L	171200018	2022.05.10	2023.05.09
Attenuator	eastsheep	90db	N.A	2022.04.29	2023.04.28
Router	TP-LINK(FCC ID:Q87-WRT3 200ACM)	TL-WR885N	1125074010735	N.C.R	N.C.R
Temperature & Humidity	KTJ	TA218B	N.A	2022.05.05	2023.05.04
Testing Software	MTS8310_V2.0.0.0_MW				



3. RF POWER OUTPUT (Part 27)

3.1 LIMIT

Frequency Band (MHz)	Maximum peak output power, EIRP	
	W	dBm
1390.0 – 1392.0	4	36
1392.0 – 1395.0	1	30
1432.0 – 1435.0	4	36

3.2 MEASUREMENT METHOD

A test PC was used to establish communication with the EUT. Its parameters were set to force the EUT transmitting at maximum output power. The measured power in the radio frequency on the transmitter output terminals shall be reported. Configuration follows C63.26:2015 Section 5.2.

3.3 TEST PROCEDURES

1. The EUT transmitter output port was connected to spectrum analyzer through an attenuator.
2. Set EUT at maximum power level through the test PC.
3. Select lowest/middle/highest channels for each band and different modulation.
4. Measure and record the reading from the spectrum analyzer.
5. $EIRP = \text{Reading} + \text{Ant Gain}$

3.5 TEST RESULTS

For the measurement records, refer to the appendix I.



4. OCCUPIED BANDWIDTH (PART 27 & 95)

4.1 LIMIT

Reported only, no limit applied.

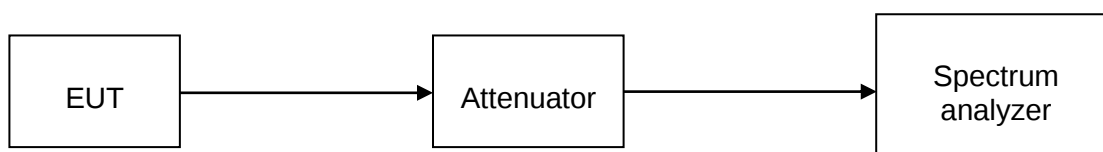
4.2 MEASUREMENT METHOD

1. The occupied bandwidth is the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean transmitted power.

2. The 26 db emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 db below the maximum in-band spectral density of the modulated signal. spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

Configuration follows C63.26:2015 Section 5.4.

4.3 TEST SETUP



4.4 TEST PROCEDURES

1. The testing follows C63.26:2015 Section 5.4.
2. The EUT transmitter output port was connected to spectrum analyzer through an attenuator.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Set the test probe and measure the Occupied Bandwidth of the spectrum analyzer.
5. Measure and record the Occupied Bandwidth from the Spectrum Analyzer.

4.5 TEST RESULTS

For the measurement records, refer to the appendix I.



5. CONDUCTED SPURIOUS EMISSION (PART 27 & 95)

5.1 LIMIT

According to FCC PART 27.53 (j)

- (1) For operations in the unpaired 1390-1392 MHz band and the paired 1392-1395 MHz and 1432-1435 MHz bands, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) by at least $43 + 10 \log(P)$ dB.
- (2) In the 1390-1395 MHz and 1432-1435 MHz bands, licensees are encouraged to take all reasonable steps to ensure that unwanted emission power does not exceed the following levels in the band 1400-1427 MHz:
 - (i) For stations of point-to-point systems in the fixed service: -45 dBW/27 MHz.
 - (ii) For stations in the mobile service: -60 dBW/27 MHz.

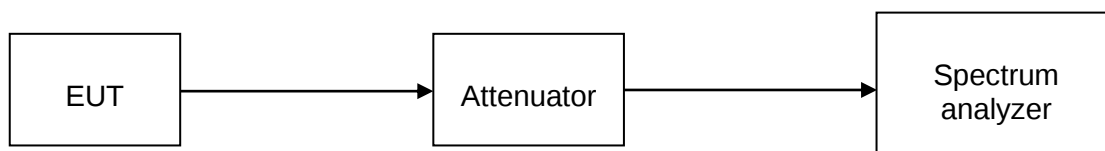
5.2 MEASUREMENT METHOD

1. §22.917(a)

Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the channel blocks at 2305, 2310, 2315, 2320, 2345, 2350, 2355, and 2360 MHz, a resolution bandwidth of at least 1 percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (*i.e.*, 1 MHz). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

Configuration follows C63.26:2015 Section 5.7.

5.3 TEST SETUP



5.4 TEST PROCEDURES

1. The testing follows C63.26:2015 Section 5.7.
2. The EUT transmitter output port was connected to spectrum analyzer through an attenuator.
3. The band edges of low and high channels for the highest RF powers were measured. Set RBW $\geq 1\%$ EBW in the 1MHz band immediately outside and adjacent to the band edge.
4. Set spectrum analyzer with RMS/PEAK detector.
5. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
6. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [43 + 10\log(P)]$ (dB)
 $= [30 + 10\log(P)]$ (dBm) - $[43 + 10\log(P)]$ (dB)
 $= -13$ dBm.

5.5 TEST RESULTS

For the measurement records, refer to the appendix I.



6. RADIATED SPURIOUS EMISSION (PART 27)

6.1 LIMIT

According to FCC PART 27.53 (j)

(1) For operations in the unpaired 1390-1392 MHz band and the paired 1392-1395 MHz and 1432-1435 MHz bands, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) by at least $43 + 10 \log (P)$ dB.

6.2 MEASUREMENT METHOD

The radiated spurious emission was measured by substitution method according to ANSI C63.26 2015. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

6.3 TEST SETUP

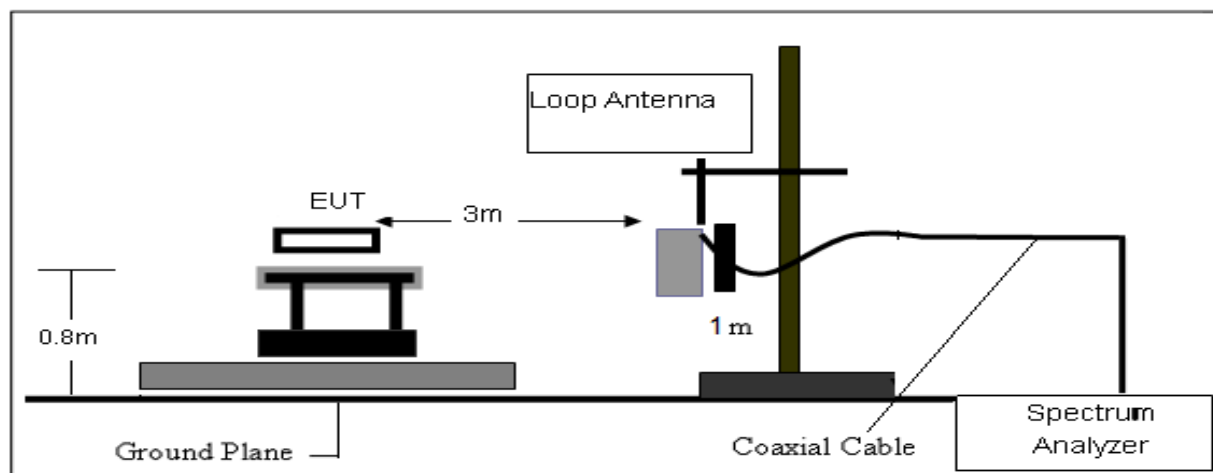
The procedure of radiated spurious emissions is as follows:

a) Pre-calibration With pre-calibration method, the Radiated Spurious Emissions(RSE) is calculated as, $RSE = Rx(dBuV) + CL(dB) + SA(dB) + Gain(dBi) - 95.2(dBuV/m \text{ to } dBm)$ The SA is calibrated using following setup.

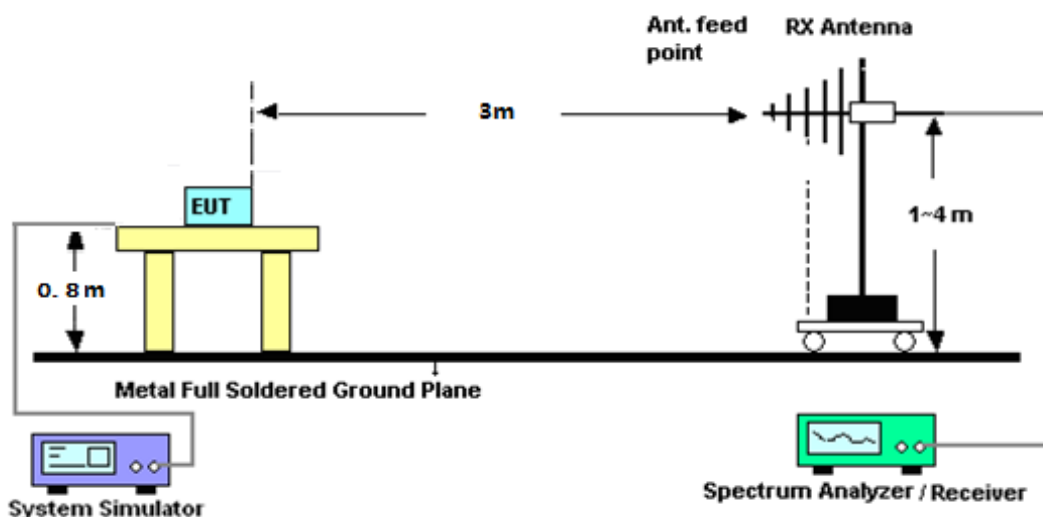
b) EUT was placed on 1.5 m non-conductive stand at a 3 m test distance from the receive antenna. A receiving antenna was placed on the antenna mast 3 m from the test item for emission measurements. The height of receiving antenna is 0.8m. The test setup refers to figure below. Detected emissions were maximized at each frequency by rotating the test item and adjusting the receiving antenna polarization. The radiated emission measurements of all non-harmonic and harmonics of the transmit frequency through the 10th harmonic measured with peak detector and 1MHz bandwidth.

Radiated emissions measurements were made only at the upper, middle, and lower carrier frequencies It was decided that measurements at these three carrier frequencies would be sufficient to demonstrate compliance with emissions limits because it was seen that all the significant spurs occur well outside the band and no radiation was seen from a carrier in one block of any band into any of the other blocks.

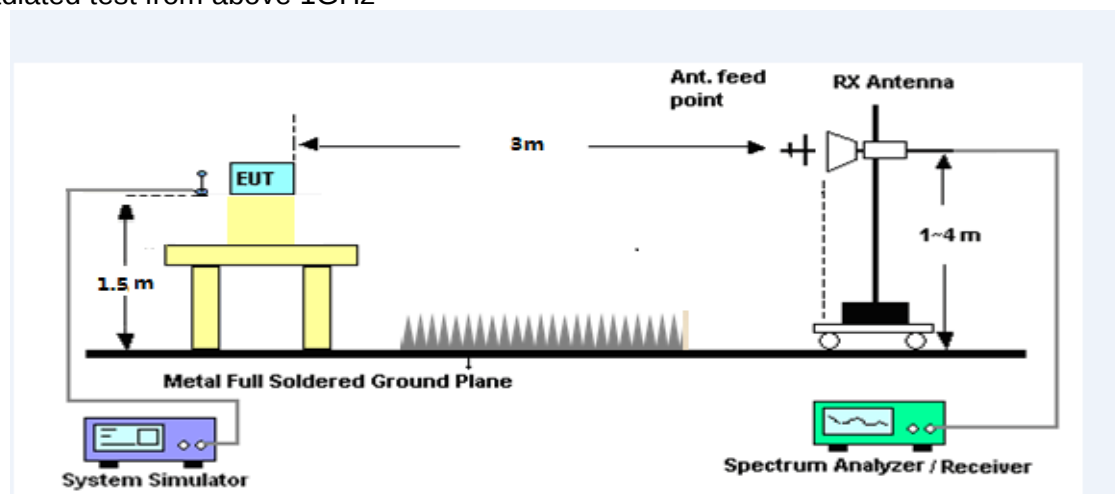
For radiated test from below 30MHz



For radiated test from 30MHz to 1GHz



For radiated test from above 1GHz



6.4 TEST PROCEDURES

1. The testing follows C63.26:2015 Section 5.5.
2. The EUT was placed on a rotatable wooden table with 1.5 meter above ground.
3. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations
6. Repeat step 2 to step 5 for another polarization.
7. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P (Watts)

$$= P(W) - [43 + 10\log(P)] \text{ (dB)}$$

$$= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$$

$$= -13\text{dBm}$$



6.5 TEST RESULTS

For the measurement records, refer to the appendix I.

Note:

1. 9KHz-30MHz amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
2. Test is divided into three directions, X/Y/Z. X pattern is the worst.
3. Pre-test with remote antenna and without remote antenna modes, find the worst case is with remote antenna mode and recorded in this report.

7. RADIATED SPURIOUS EMISSION AND FIELDSTRENGTH (PART 95)

7.1 LIMIT

RADIATED SPURIOUS EMISSION

Below 1GHz

Frequencies (MHz)	Field Strength (micovolts/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

Above 1GHz

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

Fundamental Fieldstrength

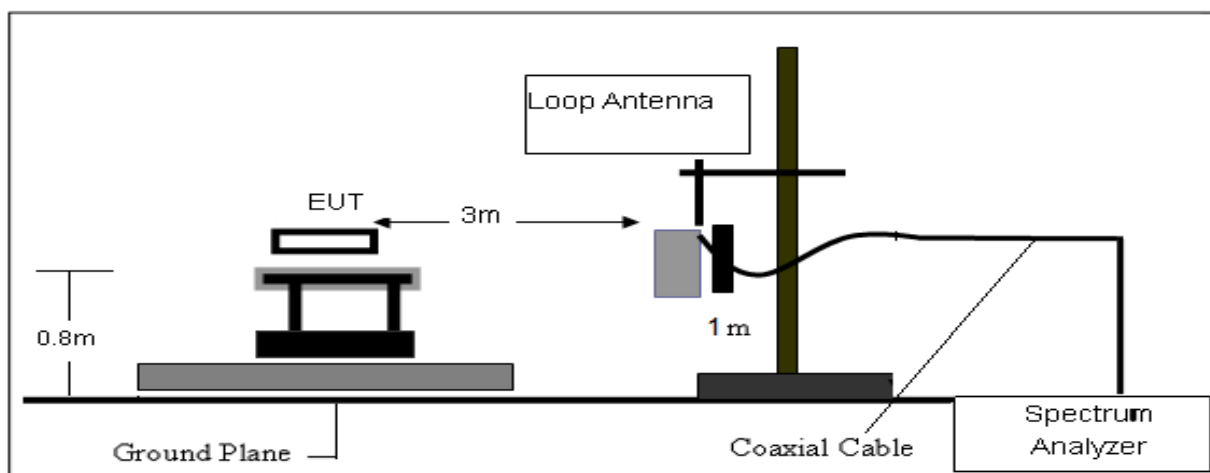
Frequency Band (MHz)	dBuV/m
1395.0 – 1400	117.4
1427.0 – 1400	117.4

Note: According to Part 95.369 the radiated field strenath limit is 740 mV/m (117.4 dBuV/m) at 3 metres. Toconvert from fieldstrength to an equivalent conducted power in dBm, subtract 95.2 dB. (117.4 -95.2 = 22.2). The figure of 95.2 dB is arrived at using the formula $P = (V/m \times d) / 30$.

7.2 Test Setup

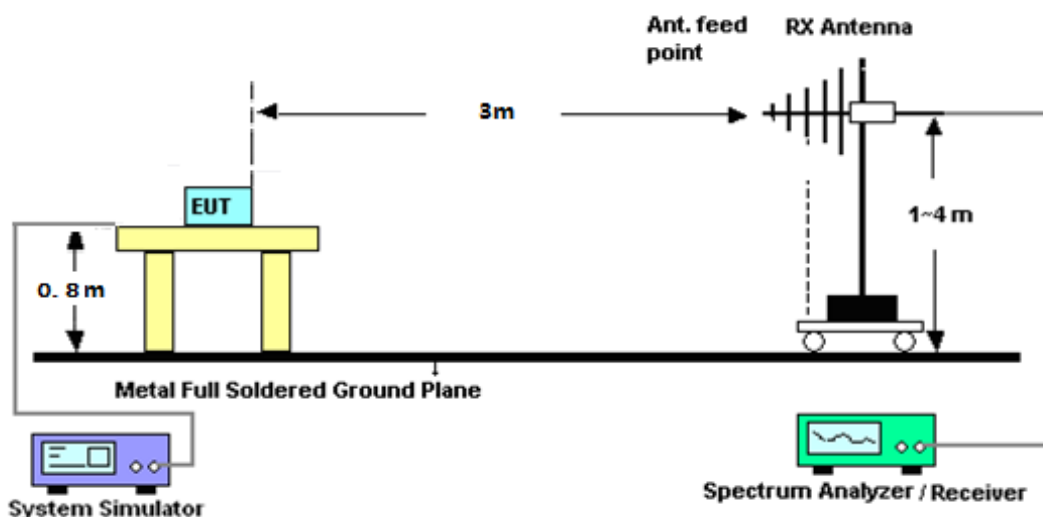
The procedure of radiated spurious emissions is as follows:

For radiated test from below 30MHz

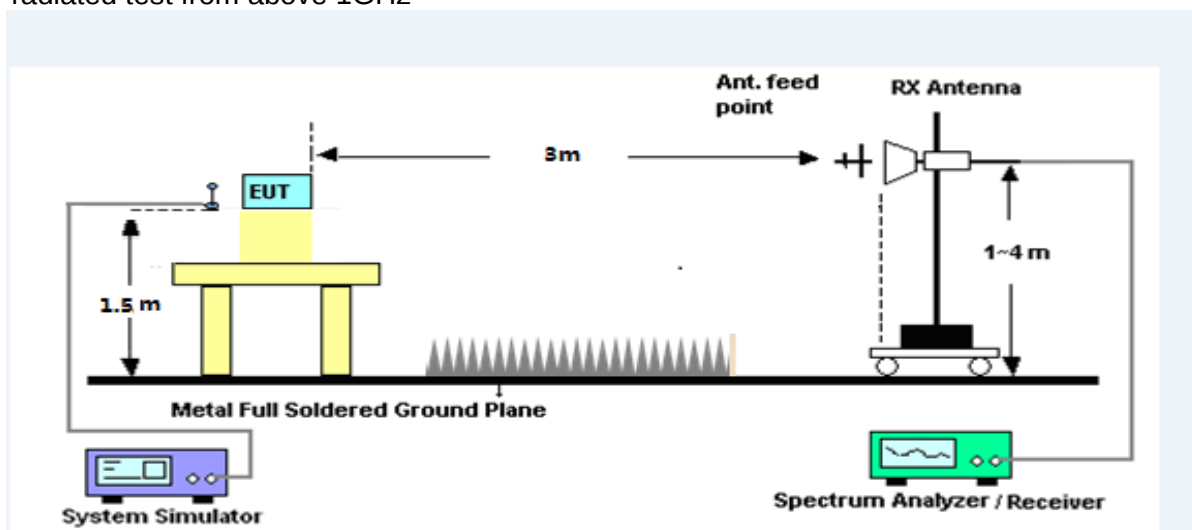




For radiated test from 30MHz to 1GHz



For radiated test from above 1GHz



7.3 TEST PROCEDURES

- The measuring distance 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 m (above 1GHz is 1.5 m) above the ground at a 3 m anechoic chamber test site. The table was rotated 360 degree 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 polarization 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 QuasiPeak detector mode will be re-measured.
- If the Peak Mode measured value is compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and no additional QP Mode measurement was 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.



7.4 TEST RESULTS

For the measurement records, refer to the appendix I.

Note:

1. 9KHz-30MHz amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
2. Test is divided into three directions, X/Y/Z. X pattern is the worst.
3. Pre-test with remote antenna and without remote antenna modes, find the worst case is with remote antenna mode and recorded in this report.



8. FREQUENCY STABILITY (PART 27 & 95)

8.1 LIMIT

Assigned frequency: 1390 – 1400 MHz; 1427 – 1435 MHz

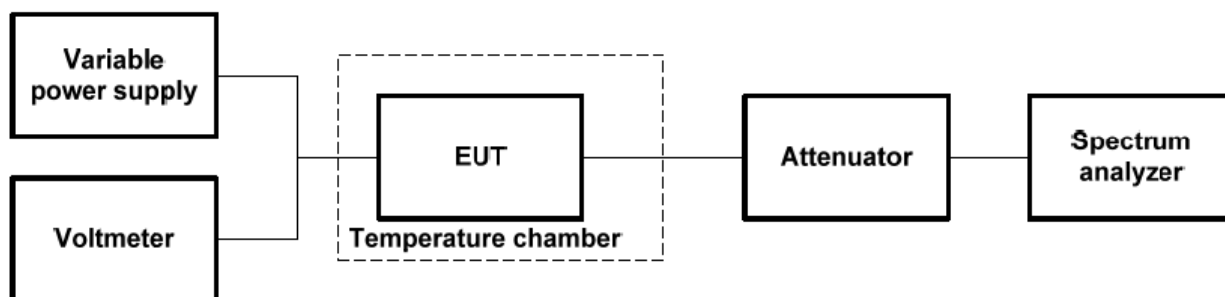
The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

8.2 MEASUREMENT METHOD

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency band.

Configuration follows C63.26:2015 Section 5.6.

8.3 TEST SETUP



8.4 TEST PROCEDURES FOR TEMPERATURE VARIATION

1. The EUT was set up in the thermal chamber and connected to spectrum analyzer through an attenuator.
2. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
3. With power OFF, the temperature was raised in 10°C step up to 50°C. The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

8.5 TEST PROCEDURES FOR VOLTAGE VARIATION

1. The EUT was placed in a temperature chamber at 25±5° C and connected with the system simulator.
2. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value measured at the input to the EUT.
3. The variation in frequency was measured for the worst case.

8.6 TEST RESULTS

For the measurement records, refer to the appendix I.



APPENDIX I - TEST RESULTS

RF POWER OUTPUT (PART 27)

SH 2.0 E-WMTS

Modulation Type	Test Frequency (MHz)	Peak Output Power (dBm)	Ant Gain (dBi)	Peak EIRP (dBm)	Peak EIRP (W)	Limits (W)	Verdict
D8PSK	1391.452	15.27	1.00	16.27	0.042	4	PASS
	1394.908	15.40	1.00	16.40	0.044	1	PASS
	1433.697	14.99	1.00	15.99	0.040	4	PASS
DBPSK	1391.452	14.92	1.00	15.92	0.039	4	PASS
	1394.908	15.05	1.00	16.05	0.040	1	PASS
	1433.697	14.70	1.00	15.70	0.037	4	PASS



OCCUPIED BANDWIDTH (PART 27 & 95)

SH 1.0 WMTS

Test Frequency (MHz)	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)
1395.898	1.1495	1.267
1427.898	1.1509	1.262
1431.097	1.1517	1.315



CH1



CH4



CH6





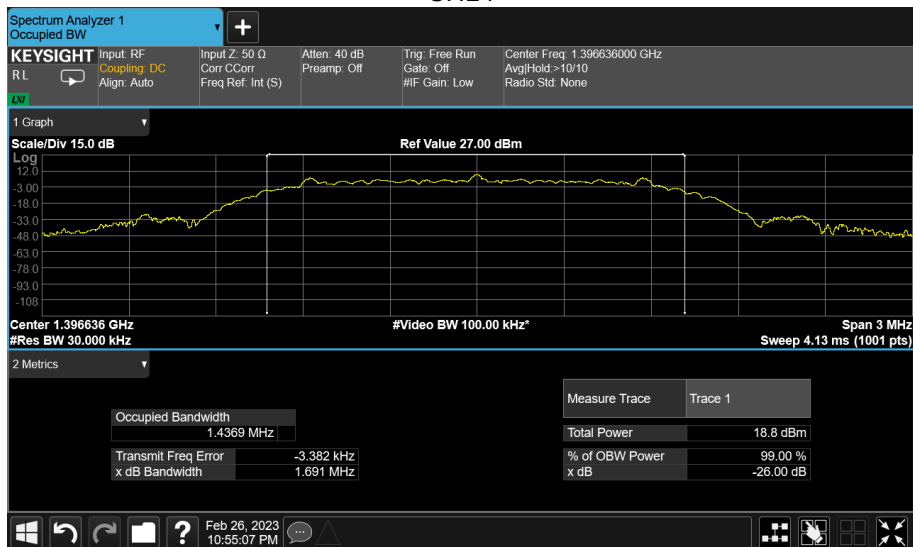
SH 2.0 WMTS

Modulation Type	Test Frequency (MHz)	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)
DBPSK	1396.636	1.4369	1.691
	1428.513	1.4488	1.731
	1430.241	1.4386	1.697
D8PSK	1396.636	1.4211	1.690
	1428.513	1.4175	1.695
	1430.241	1.4216	1.692

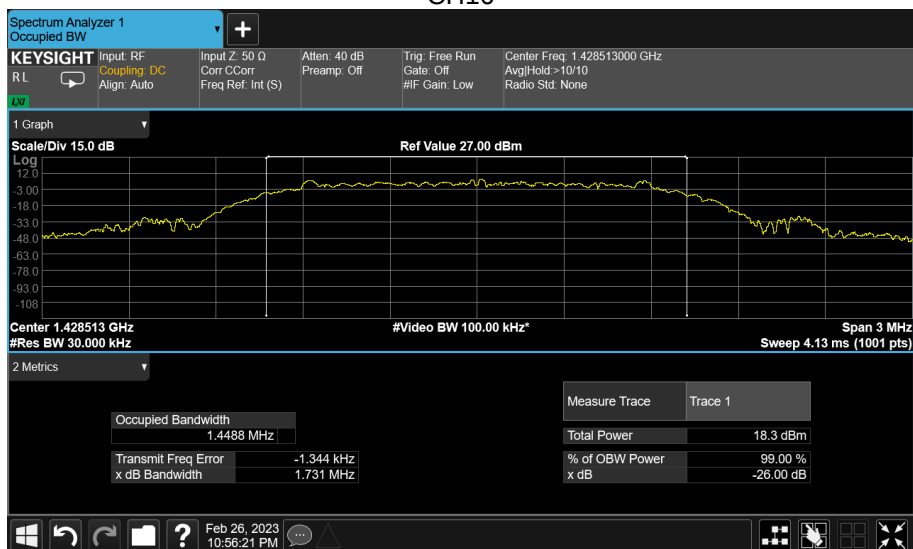


DBPSK

CH14



CH16



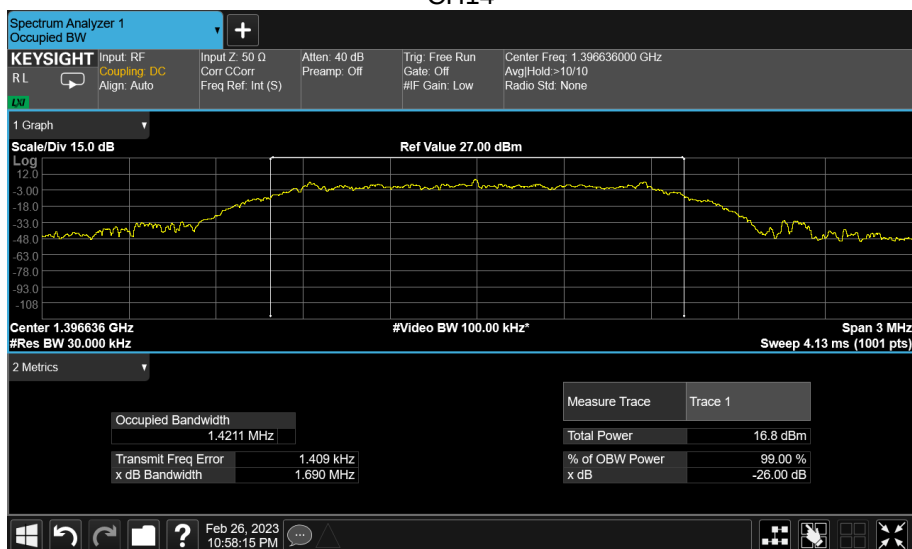
CH17



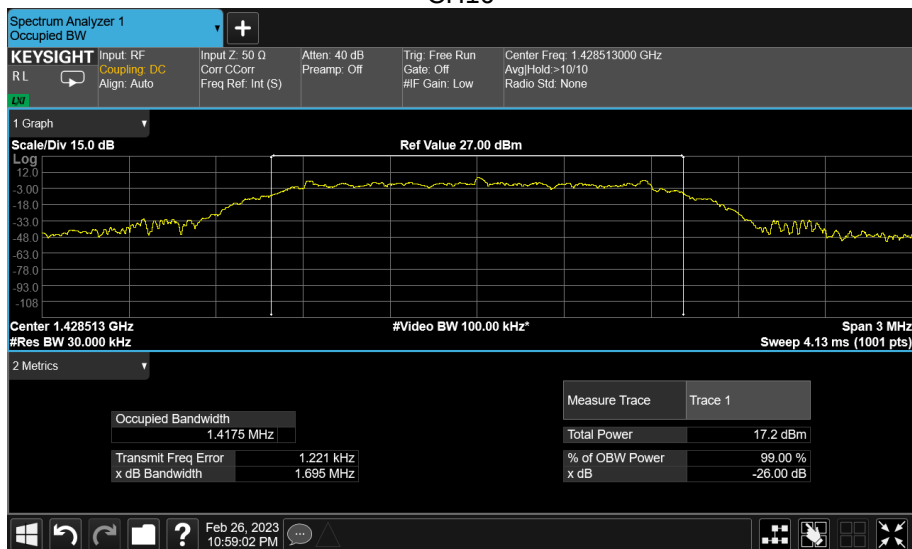


D8PSK

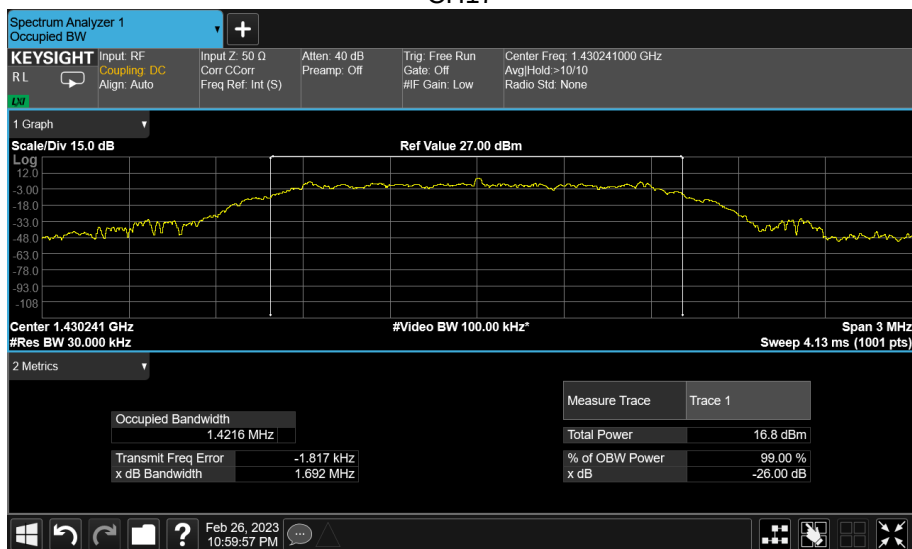
CH14



CH16



CH17



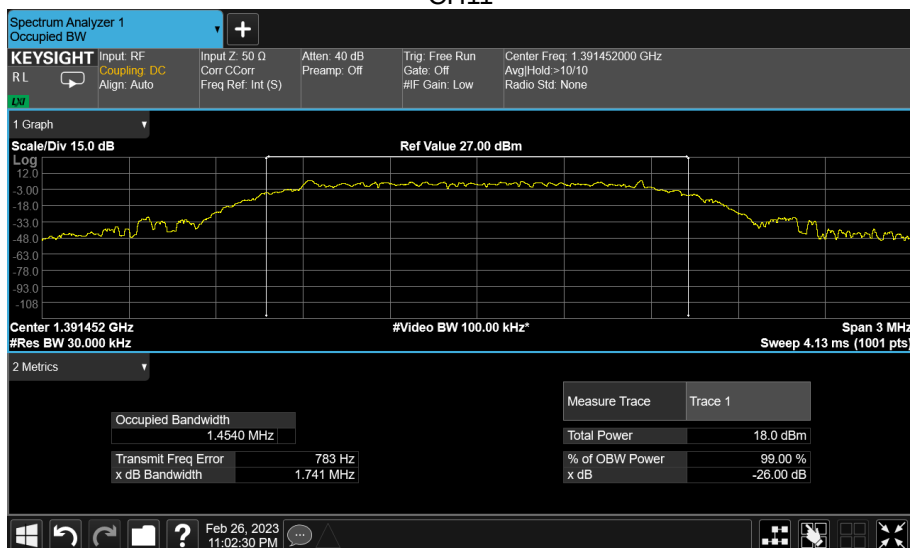


SH 2.0 E-WMTS

Modulation Type	Test Frequency (MHz)	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)
DBPSK	1391.452	1.4540	1.7410
	1394.908	1.4471	1.6870
	1431.969	1.4348	1.6910
	1433.697	1.4397	1.6900
D8PSK	1391.452	1.4356	1.7510
	1394.908	1.4175	1.6890
	1431.969	1.4166	1.6680
	1433.697	1.4224	1.6910

DBPSK

CH11

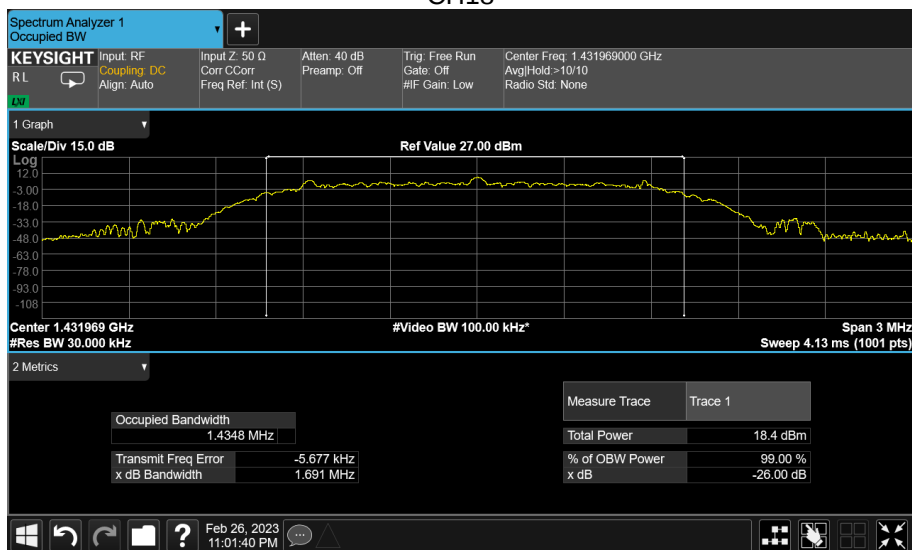


CH13

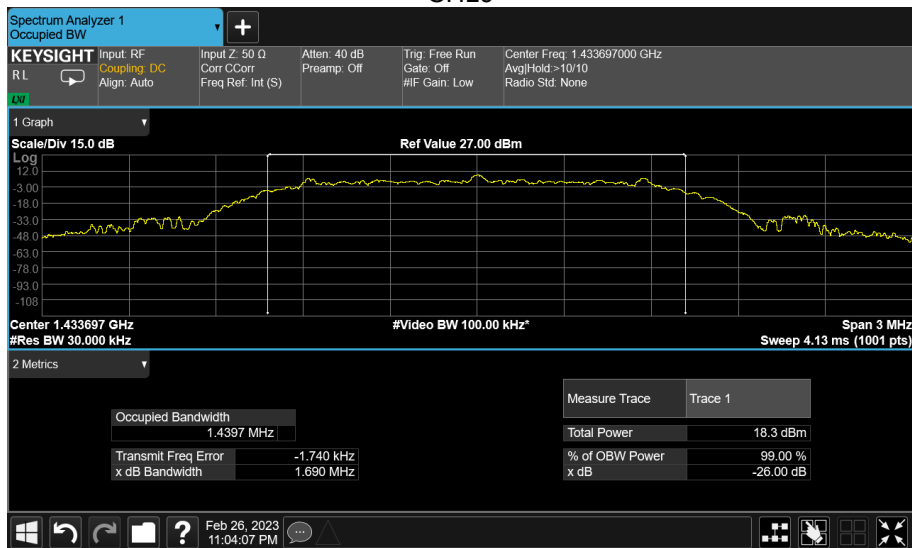




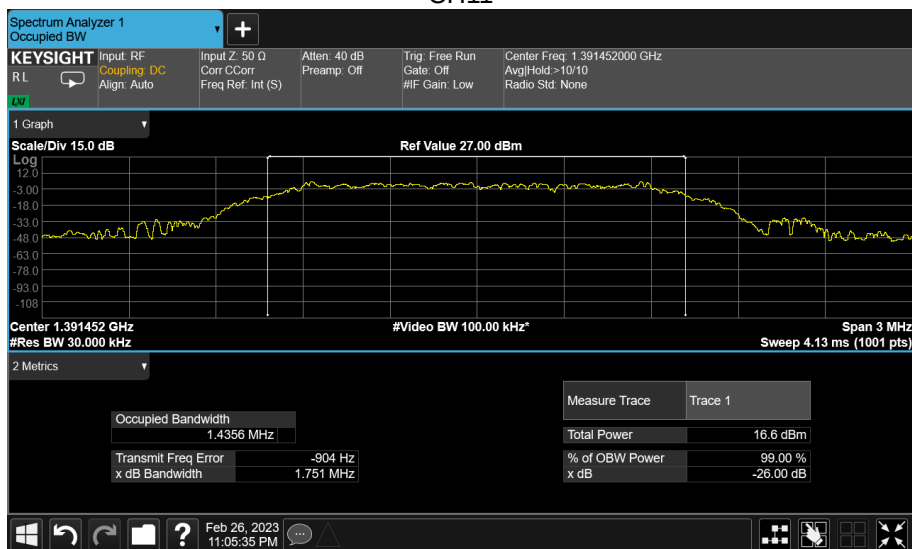
CH18



CH19



D8PSK CH11

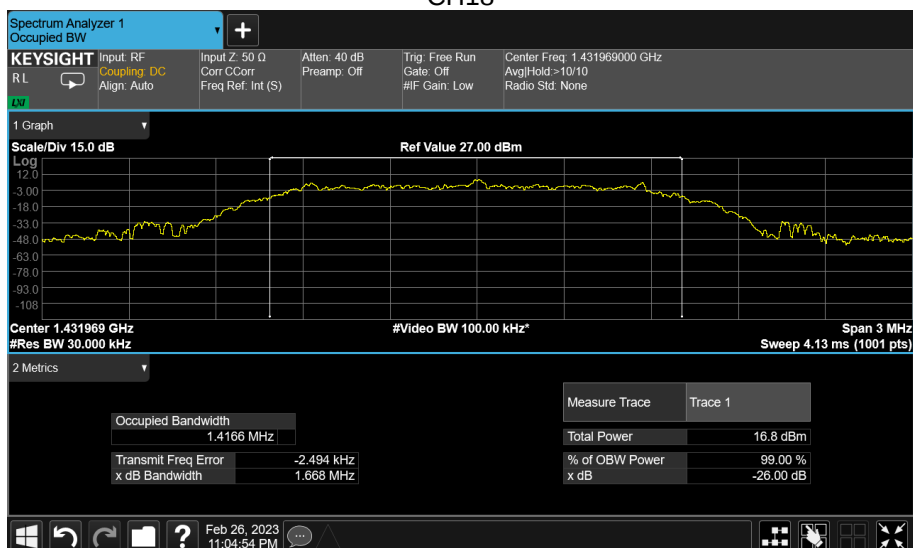




CH13



CH18



CH19

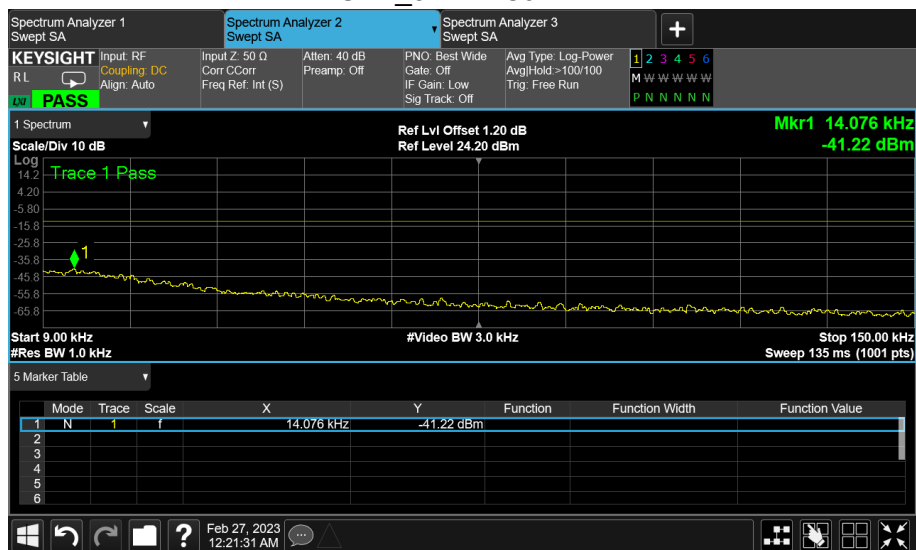




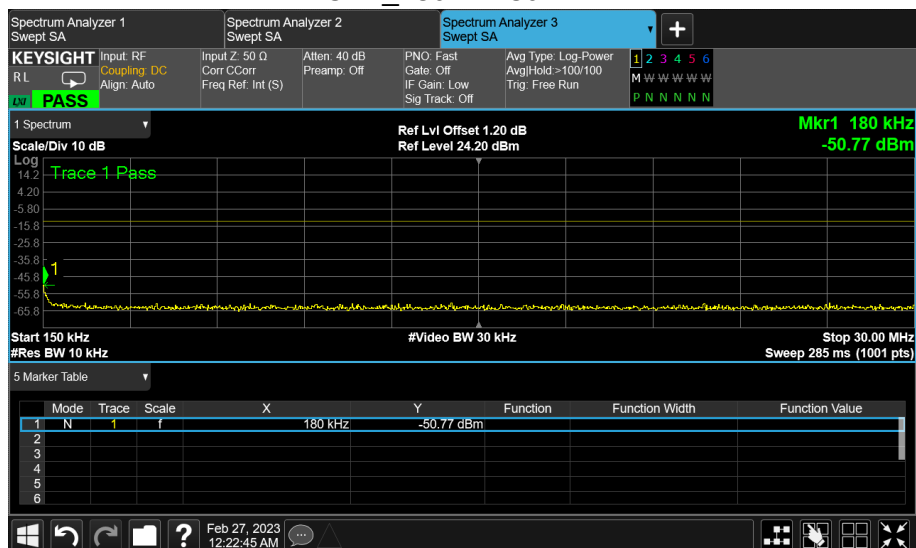
CONDUCTED SPURIOUS EMISSION (PART 27 & 95)

SH 1.0 WMTS_GFSK

CH1_9kHz-150kHz



CH1_150kHz-30MHz



CH1_30MHz-15GHz

