

TEST REPORT

Report No.: BCTC2105417693-2E

Applicant: Epic Video Technologies, Inc.

Product Name: EPIC Set-Top Box

Model/Type
reference: EPIC Slate

Tested Date: 2021-05-12 to 2021-06-02

Issued Date: 2021-06-11

Shenzhen BCTC Testing Co., Ltd.



FCC ID: 2A2DC-EPICSLATE

Product Name: EPIC Set-Top Box
Trademark: Epic
Model/Type reference: EPIC Slate
Prepared For: Epic Video Technologies, Inc.
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Manufacturer: Xunison Ltd.
Address: 25A, Kilcarbery Business Park, Upper Nangor Rd, Kilcarbery,
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Prepared By: Shenzhen BCTC Testing Co., Ltd.
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Shenzhen, Guangdong, China
Sample Received Date: 2021-05-11
Sample tested Date: 2021-05-12 to 2021-06-02
Issue Date: 2021-06-11
Report No.: BCTC2105417693-2E
FCC Part15.247
ANSI C63.10:2013
Test Standards: KDB 662911 D01 v02r01
558074 D01 15.247 Meas Guidance v05r02
Test Results: PASS

Tested by:



Eric Yang/Project Handler

Approved by:



Zero Zhou/Reviewer

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1.VERSION

Report No.	Issue Date	Description	Approved
BCTC2105417693-2E	2021-06-11	Original	Valid

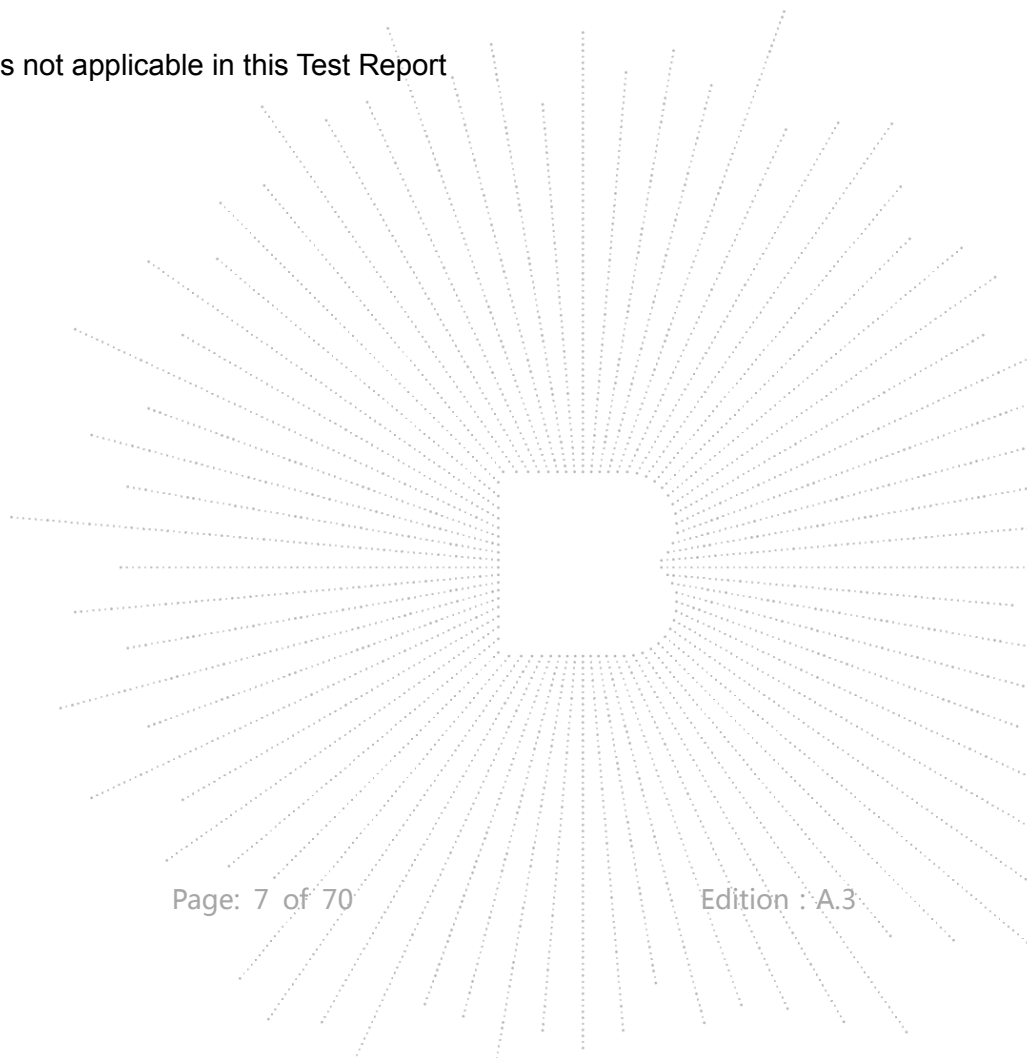
2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part15 (15.247) , Subpart C			
Standard Section	Test Item	Judgment	Remark
15.207	Conducted Emission	PASS	
15.247 (a)(2)	6dB Bandwidth	PASS	
15.247 (b)	Peak Output Power	PASS	
15.247 (d)	Radiated Spurious Emission	PASS	
15.247 (e)	Power Spectral Density	PASS	
15.205	Restricted Band of Operation	PASS	
15.247 (d)	Band Edge (Out of Band Emissions)	PASS	
15.203	Antenna Requirement	PASS	

NOTE:

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



2.1 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	3m chamber Radiated spurious emission(9kHz-30MHz)	U=3.7dB
2	3m chamber Radiated spurious emission(30MHz-1GHz)	U=4.3dB
3	3m chamber Radiated spurious emission(1GHz-18GHz)	U=4.5dB
4	3m chamber Radiated spurious emission(18GHz-40GHz)	U=3.34dB
5	Conducted Adjacent channel power	U=1.38dB
6	Conducted output power uncertainty Above 1G	U=1.576dB
7	Conducted output power uncertainty below 1G	U=1.28dB
8	humidity uncertainty	U=5.3%
9	Temperature uncertainty	U=0.59°C
10	Conducted Emission (150kHz-30MHz)	U=3.2dB

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Model/Type reference:	EPIC Slate
Model differences:	N/A
Operation Frequency:	802.11b/g/n20MHz:2412~2462 MHz 802.11n40MHz:2422~2452 MHz
Bit Rate of Transmitter	802.11b:11/5.5/2/1 Mbps 802.11g:54/48/36/24/18/12/9/6Mbps 802.11n Up to 300Mbps
Type of Modulation:	OFDM/DSSS
Number Of Channel	802.11b/g/n20MHz:11 CH 802.11n40MHz: 7 CH
Antenna installation:	Antenna A: External antenna Antenna B: FPC antenna
Antenna Gain:	Antenna A:2dBi Antenna B:1dBi
Ratings:	DC 5V Form adapter
Adapter	Model: GKYPN0200050UL1 Input: AC100-240V~ 50/60Hz, 0.5A Output: 5V 2000mA

1.

Channel List for 802.11b/g/n(20)							
Channel	Frequen cy (MHz)	Channel	Frequen cy (MHz)	Channel	Frequen cy (MHz)	Channel	Frequen cy (MHz)
01	2412	04	2427	07	2442	10	2457
02	2417	05	2432	08	2447	11	2462
03	2422	06	2437	09	2452		
Channel List for 802.11n(40)							
Channel	Frequen cy (MHz)	Channel	Frequen cy (MHz)	Channel	Frequen cy (MHz)	Channel	Frequen cy (MHz)
03	2422	05	2432	07	2442	09	2452
04	2427	06	2437	08	2447		

2

Table for External antenna

Ant.	Brand	Model Name	Antenna Type	Gain (dBi)
A	N/A	N/A	External antenna	2
B	N/A	N/A	FPC antenna	1

EUT has two antennas with gain GANT 2dBi and 1dBi on every antenna, also can operat with one spatial streams according to KDB662911 D01 v02r01.

Directional gain= GANT + Array Gain, where Array Gain is as follows.

1)For power spectral density(PSD) measurements,

Array Gain= $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}]$ dBi

= $10 \log(((10^{(2/20)} + 10^{(1/20)})^2)/2)$ =4.52dB,

So the directional gain for PSD is 4.52dBi

3.2 DESCRIPTION OF TEST MODES

Pretest Mode	Description
Mode 1	802.11b CH1/ CH6/ CH11
Mode 2	802.11g CH1/ CH6/ CH11
Mode 3	802.11n20 CH1/ CH6/ CH11
Mode 4	802.11n40 CH3/ CH6/ CH9
Mode 5	Link Mode

Conducted Emission	
Final Test Mode	Description
Mode 5	Link Mode

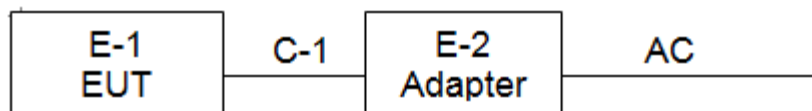
For Radiated Emission	
Final Test Mode	Description
Mode 1	802.11b CH1/ CH6/ CH11
Mode 2	802.11g CH1/ CH6/ CH11
Mode 3	802.11n20 CH1/ CH6/ CH11
Mode 4	802.11n40 CH3/ CH6/ CH9

Note:

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

3.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Conducted Emission Test/ Radiated Spurious Emission



3.4 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)

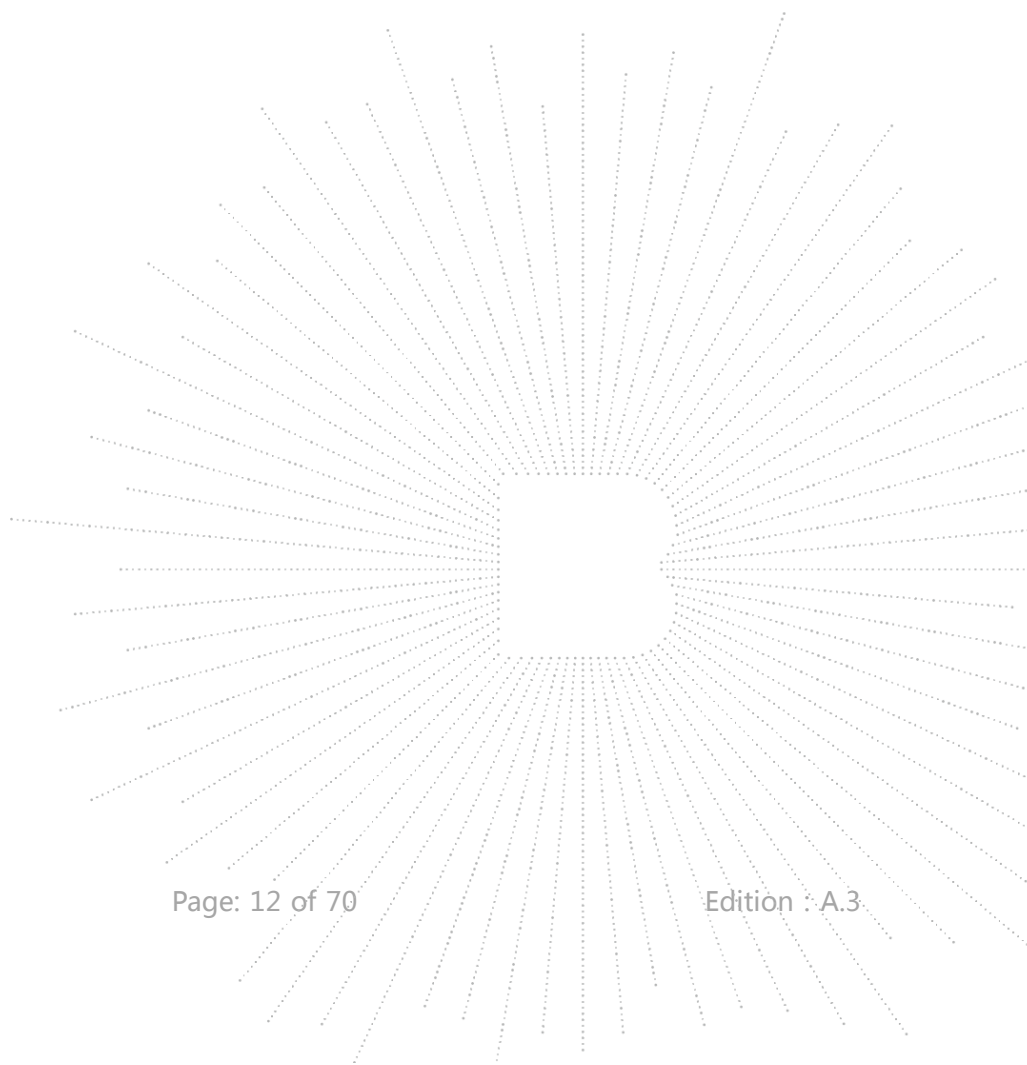
The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

No.	Device Type	Brand	Model	Series No.	Note
E-2	Adapter	N/A	GKYPN02000 50UL1	N/A	Auxiliary

Item	Shielded Type	Ferrite Core	Length	Note
C-1	NO	NO	1.0M	DC cable unshielded

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in 『Length』 column.



3.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

3.5.1 TEST FACILITY

All measurement facilities used to collect the measurement data are located at Shenzhen BCTC Testing Co., Ltd. Address: 1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road, Tangwei, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China. The site and apparatus are constructed in conformance with the requirements of ANSI C63.4 and CISPR 16-1-1 other equivalent standards.

FCC Test Firm Registration Number: 712850

IC Registered No.: 23583

3.5.2 RADIATION TEST EQUIPMENT

Conducted emissions Test					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
Receiver	R&S	ESR3	102075	Jun. 08, 2020	Jun. 07, 2021
LISN	R&S	ENV216	101375	Jun. 04, 2020	Jun. 03, 2021
ISN	HPX	ISN T800	S1509001	Jun. 04, 2020	Jun. 03, 2021
Software	Frad	EZ-EMC	EMC-CON 3A1	\	\

RF Conducted Test					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
Signal Analyzer 20kHz-26.5GHz	KEYSIGHT	N9020A	MY49100060	Jun. 04, 2020	Jun. 03, 2021

Radiated emissions Test (966 chamber)					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
966 chamber	ChengYu	966 Room	966	Jun. 06. 2020	Jun. 05, 2023
Receiver	R&S	ESR3	102075	Jun. 08, 2020	Jun. 07, 2021
Receiver	R&S	ESRP	101154	Jun. 08, 2020	Jun. 07, 2021
Amplifier	Schwarzbeck	BBV9718	9718-309	Jun. 04, 2020	Jun. 03, 2021
Amplifier	Schwarzbeck	BBV9744	9744-0037	Jun. 04, 2020	Jun. 03, 2021
TRILOG Broadband Antenna	schwarzbeck	VULB 9163	VULB9163-942	Jun. 08, 2020	Jun. 07, 2021
Horn Antenna	SCHWARZBEC K	BBHA9120 D	1201	Jun. 10, 2020	Jun. 09, 2021
Horn Antenna (18GHz-40G Hz)	SCHWARZBEC K	BBHA9170	822	Jun. 10, 2020	Jun. 09, 2021
Amplifier (18GHz-40G Hz)	MITEQ	TTA1840-3 5-HG	2034381	Jun. 08, 2020	Jun. 07, 2021
Loop Antenna (9KHz-30MH z)	SCHWARZBEC K	FMZB1519 B	014	Jun. 08, 2020	Jun. 07, 2021
RF cables1 (9kHz-30MHz)	Huber+Suhnar	9kHz-30MH z	B1702988-0 008	Jun. 08, 2020	Jun. 07, 2021
RF cables2 (30MHz-1GH z)	Huber+Suhnar	30MHz-1G Hz	1486150	Jun. 08, 2020	Jun. 07, 2021
RF cables3 (1GHz-40GH z)	Huber+Suhnar	1GHz-40G Hz	1607106	Jun. 08, 2020	Jun. 07, 2021
Power Metter	Keysight	E4419B	\	Jun. 08, 2020	Jun. 07, 2021
Power Sensor (AV)	Keysight	E9 300A	\	Jun. 08, 2020	Jun. 07, 2021
Signal Analyzer 20kHz-26.5G Hz	KEYSIGHT	N9020A	MY4910006 0	Jun. 04, 2020	Jun. 03, 2021
Spectrum Analyzer 9kHz-40GH z	Agilent	FSP40	100363	Jun. 08, 2020	Jun. 07, 2021
Software	Frad	EZ-EMC	FA-03A2 RE	\	\

4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 POWER LINE CONDUCTED EMISSION Limits (Frequency Range 150KHz-30MHz)

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

Note:

- (1) 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

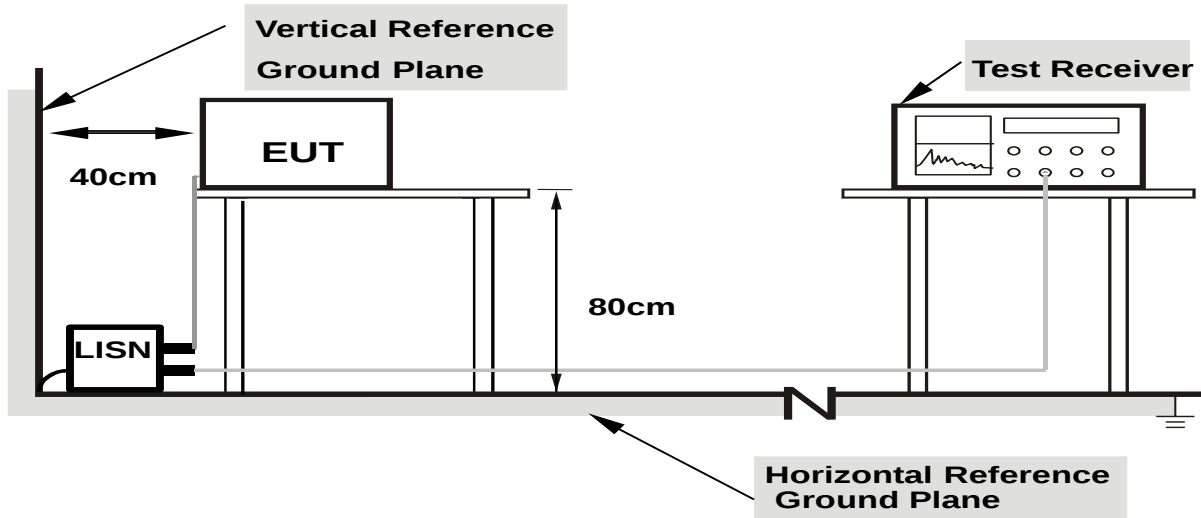
4.1.2 TEST PROCEDURE

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

4.1.3 DEVIATION FROM TEST STANDARD

No deviation

4.1.4 TEST SETUP



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

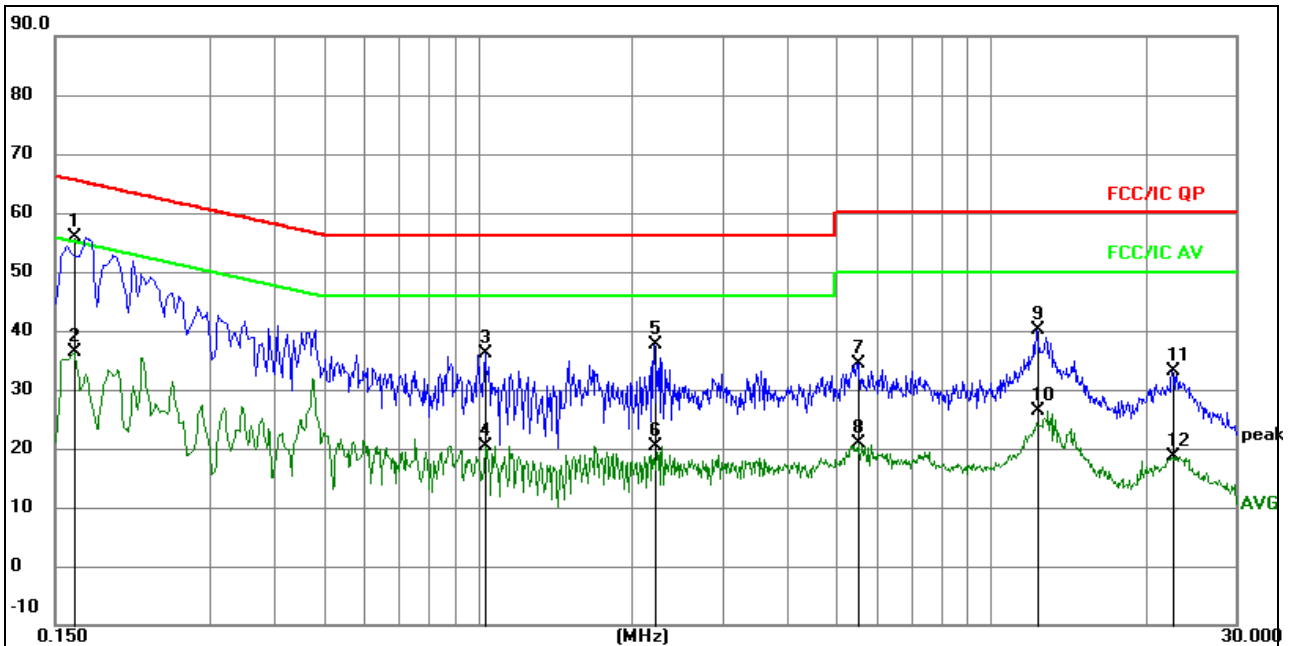
4.1.5 EUT OPERATING CONDITIONS

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

We pretest AC 120V and AC 240V, the worst voltage was AC 120V and the data recording in the report.

4.1.6 TEST RESULTS

Temperature :	26 °C	Relative Humidity :	54%
Pressure :	101kPa	Phase :	L
Test Voltage :	AC 120V/60Hz	Test Mode :	Mode 5

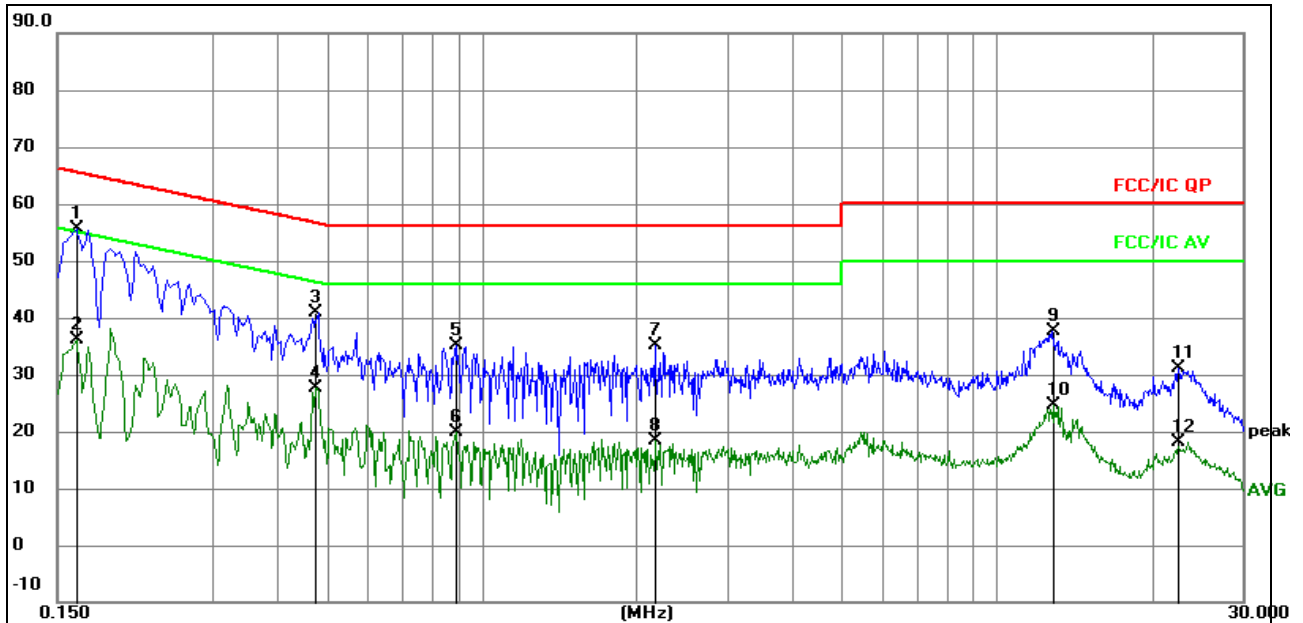


Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.

No.	Mk.	Freq. MHz	Reading Level dB	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1	*	0.1635	46.34	9.50	55.84	65.28	-9.44	QP
2		0.1635	27.00	9.50	36.50	55.28	-18.78	AVG
3		1.0365	26.53	9.57	36.10	56.00	-19.90	QP
4		1.0365	10.87	9.57	20.44	46.00	-25.56	AVG
5		2.2110	28.04	9.60	37.64	56.00	-18.36	QP
6		2.2110	10.77	9.60	20.37	46.00	-25.63	AVG
7		5.5230	24.61	9.78	34.39	60.00	-25.61	QP
8		5.5230	11.01	9.78	20.79	50.00	-29.21	AVG
9		12.2865	30.50	9.69	40.19	60.00	-19.81	QP
10		12.2865	16.75	9.69	26.44	50.00	-23.56	AVG
11		22.5690	23.44	9.77	33.21	60.00	-26.79	QP
12		22.5690	8.85	9.77	18.62	50.00	-31.38	AVG

Temperature :	26 °C	Relative Humidity :	54%
Pressure :	101kPa	Phase :	N
Test Voltage :	AC 120V/60Hz	Test Mode :	Mode 5



Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	
		MHz	Level	Factor	ment			Detector
				dB	dBuV	dBuV	dB	
1	*	0.1633	46.07	9.50	55.57	65.29	-9.72	QP
2		0.1633	26.67	9.50	36.17	55.29	-19.12	AVG
3		0.4761	31.35	9.57	40.92	56.41	-15.49	QP
4		0.4761	18.17	9.57	27.74	46.41	-18.67	AVG
5		0.8897	25.46	9.60	35.06	56.00	-20.94	QP
6		0.8897	10.35	9.60	19.95	46.00	-26.05	AVG
7		2.1668	25.54	9.60	35.14	56.00	-20.86	QP
8		2.1668	8.73	9.60	18.33	46.00	-27.67	AVG
9		12.7837	27.81	9.70	37.51	60.00	-22.49	QP
10		12.7837	14.84	9.70	24.54	50.00	-25.46	AVG
11		22.5353	21.29	9.77	31.06	60.00	-28.94	QP
12		22.5353	8.33	9.77	18.10	50.00	-31.90	AVG

4.2 RADIATED EMISSION MEASUREMENT

4.2.1 RADIATED EMISSION LIMITS (Frequency Range 9kHz-1000MHz)

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.

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 (Above 1000MHz)

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

Notes:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	25GHz
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

4.2.2 TEST PROCEDURE

Below 1GHz test procedure as below:

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

Above 1GHz test procedure as below:

- g. Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber and change form table 0.8 metre to 1.5 metre(Above 18GHz the distance is 1 meter and table is 1.5 metre).
- h. Test the EUT in the lowest channel ,the middle channel ,the Highest channel

Note:

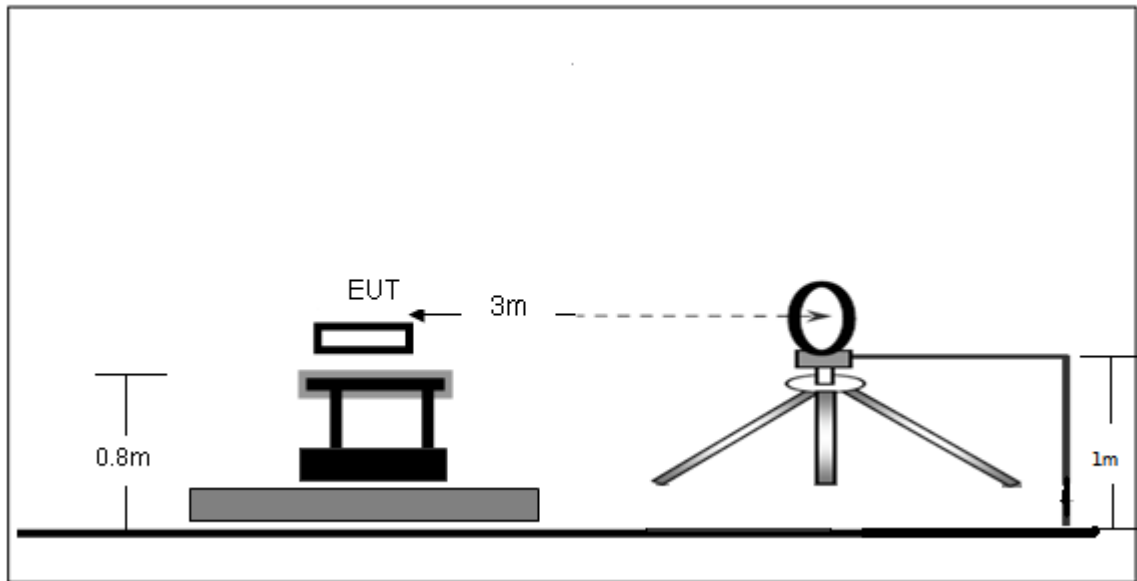
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

4.2.3 DEVIATION FROM TEST STANDARD

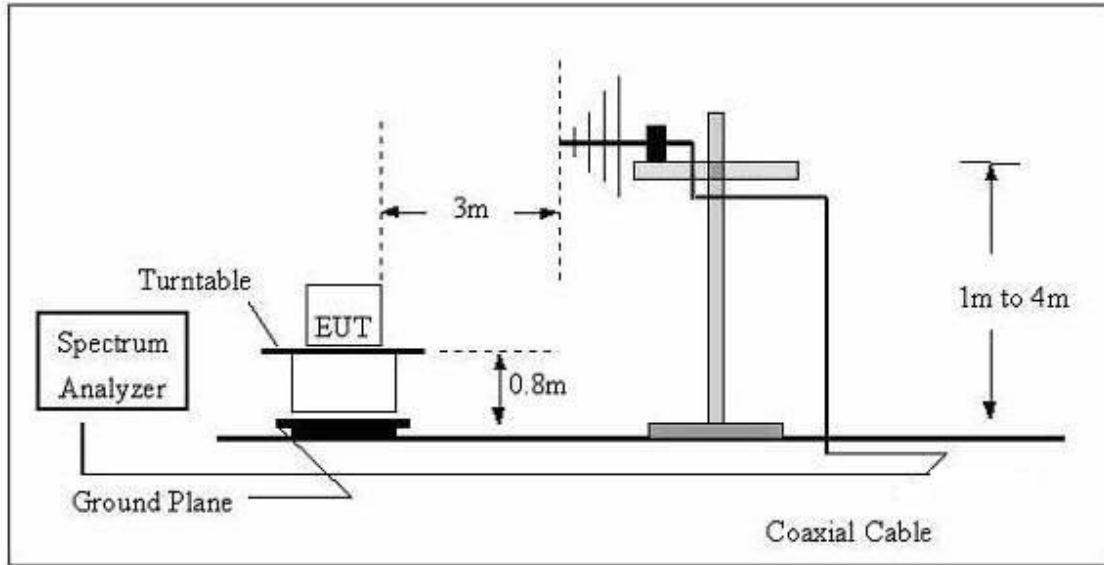
No deviation

4.2.4 TEST SETUP

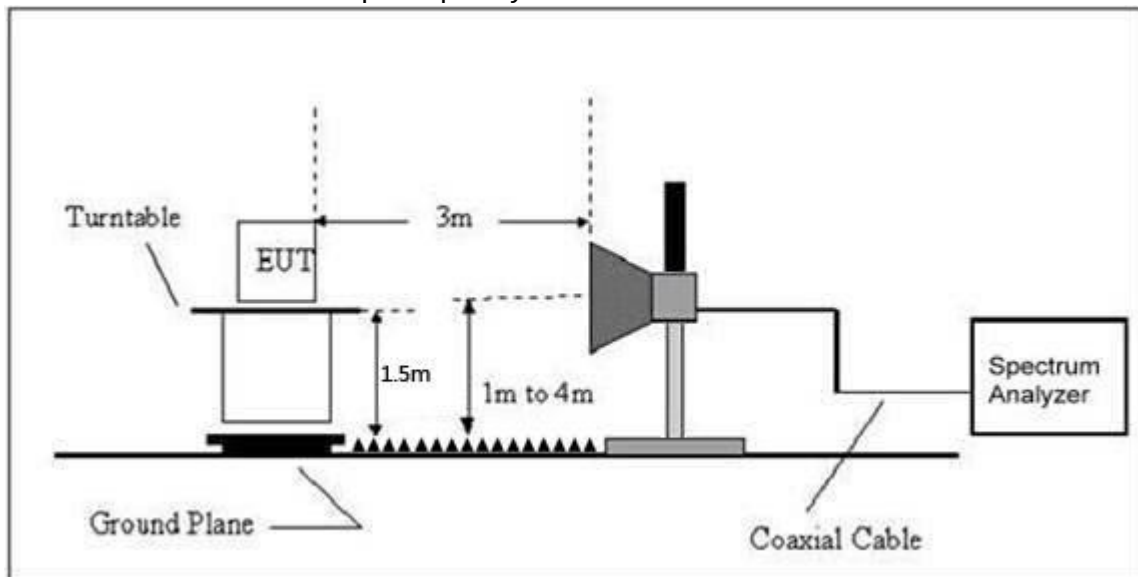
(A) Radiated Emission Test-Up Frequency Below 30MHz



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



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



4.2.5 EUT OPERATING CONDITIONS

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

4.2.6 TEST RESULTS (BETWEEN 9KHZ – 30 MHZ)

Temperature:	26 °C	Relative Humidity :	54%
Pressure:	101kPa	Test Voltage :	AC 120V/60Hz
Test Mode :	Mode 5	Polarization :	--

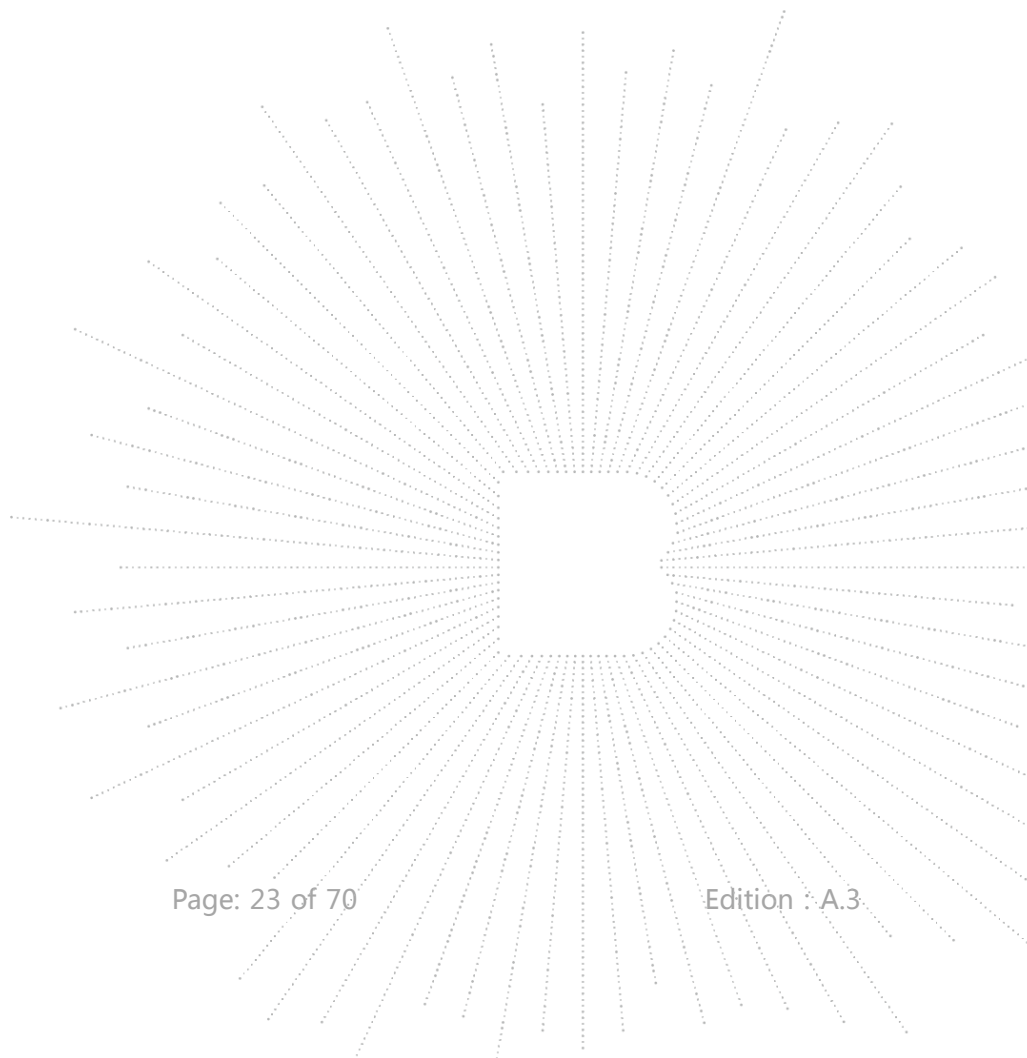
Freq.	Reading	Limit	Margin	State
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	P/F
--	--	--	--	PASS
--	--	--	--	PASS

NOTE:

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

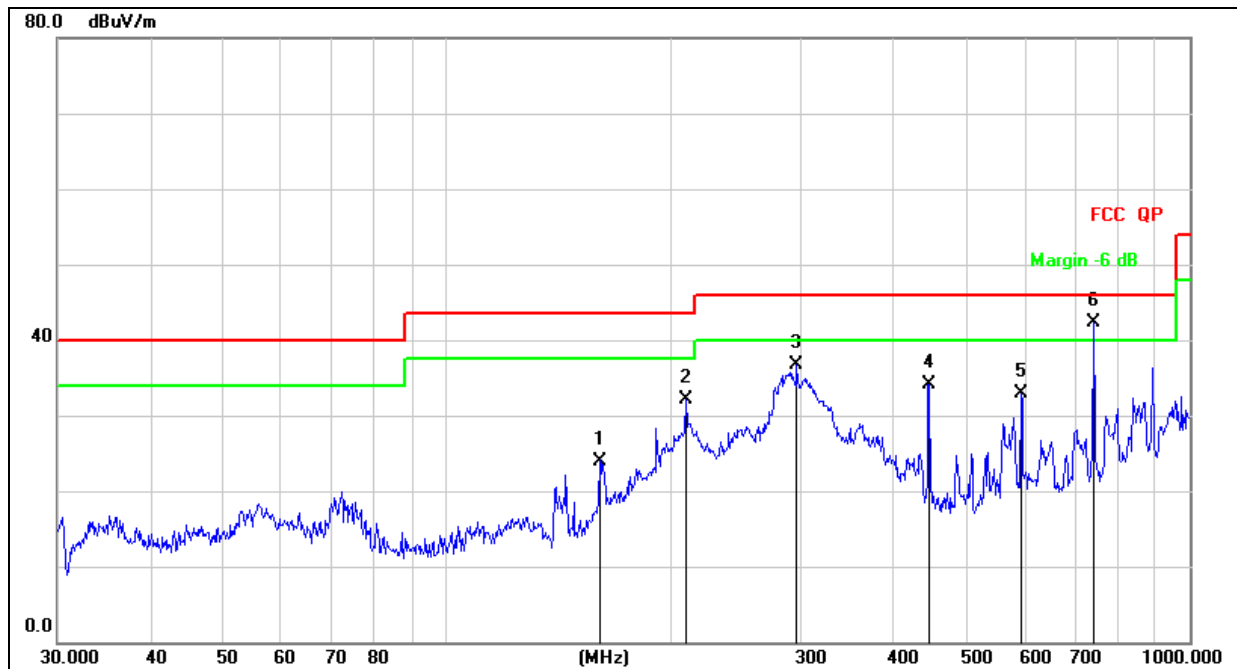
Distance extrapolation factor = $40 \log (\text{specific distance/test distance})$ (dB);

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



4.2.7 TEST RESULTS (BETWEEN 30MHZ – 1GHZ)

Temperature :	26 °C	Relative Humidity :	54%
Pressure :	101 kPa	Polarization :	Horizontal
Test Voltage :	AC 120V/60Hz	Test Mode :	Mode 5

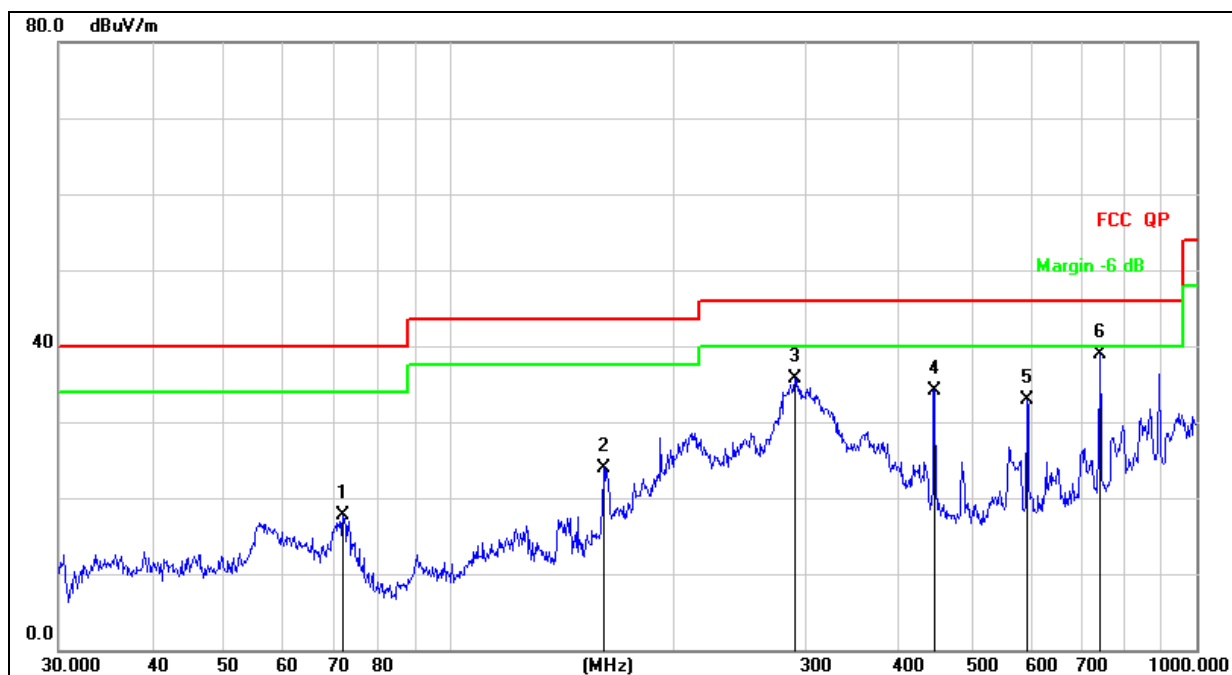


Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB/m	Over dB	Detector
1		160.9089	42.80	-18.80	24.00	43.50	-19.50	QP
2		210.0482	48.26	-16.07	32.19	43.50	-11.31	QP
3		296.1836	50.43	-13.72	36.71	46.00	-9.29	QP
4		446.4141	44.11	-10.05	34.06	46.00	-11.94	QP
5		593.0497	39.58	-6.68	32.90	46.00	-13.10	QP
6	*	742.2587	46.75	-4.46	42.29	46.00	-3.71	QP

Temperature :	26 °C	Relative Humidity :	54%
Pressure :	101kPa	Polarization :	Vertical
Test Voltage :	AC 120V/60Hz	Test Mode :	Mode 5



Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB/m	Over dB	Detector
1		72.0843	36.28	-18.65	17.63	40.00	-22.37	QP
2		160.9089	42.80	-18.80	24.00	43.50	-19.50	QP
3		290.0172	49.52	-13.91	35.61	46.00	-10.39	QP
4		446.4141	44.11	-10.05	34.06	46.00	-11.94	QP
5		593.0497	39.58	-6.68	32.90	46.00	-13.10	QP
6	*	742.2587	43.37	-4.46	38.91	46.00	-7.09	QP

4.2.8 TEST RESULTS

Between 1GHz – 25GHz

802.11b

Polar (H/V)	Frequency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
Low channel:2412MHz							
V	4824.00	54.83	-0.43	54.40	74.00	-19.60	PK
V	4824.00	44.39	-0.43	43.96	54.00	-10.04	AV
V	7236.00	47.34	8.31	55.65	74.00	-18.35	PK
V	7236.00	36.44	8.31	44.75	54.00	-9.25	AV
H	4804.00	50.96	-0.43	50.53	74.00	-23.47	PK
H	4804.00	40.99	-0.43	40.56	54.00	-13.44	AV
H	7236.00	45.25	8.31	53.56	74.00	-20.44	PK
H	7236.00	37.34	8.31	45.65	54.00	-8.35	AV
Middle channel:2437MHz							
V	4874.00	51.60	-0.38	51.22	74.00	-22.78	PK
V	4874.00	44.71	-0.38	44.33	54.00	-9.67	AV
V	7311.00	41.00	8.83	49.83	74.00	-24.17	PK
V	7311.00	31.49	8.83	40.32	54.00	-13.68	AV
H	4874.00	49.54	-0.38	49.16	74.00	-24.84	PK
H	4874.00	40.14	-0.38	39.76	54.00	-14.24	AV
H	7311.00	39.93	8.83	48.76	74.00	-25.24	PK
H	7311.00	32.15	8.83	40.98	54.00	-13.02	AV
High channel:2462MHz							
V	4924.00	53.54	-0.32	53.22	74.00	-20.78	PK
V	4924.00	45.09	-0.32	44.77	54.00	-9.23	AV
V	7386.00	44.87	9.35	54.22	74.00	-19.78	PK
V	7386.00	35.75	9.35	45.10	54.00	-8.90	AV
H	4924.00	52.42	-0.32	52.10	74.00	-21.90	PK
H	4924.00	41.66	-0.32	41.34	54.00	-12.66	AV
H	7386.00	42.83	9.35	52.18	74.00	-21.82	PK
H	7386.00	34.15	9.35	43.50	54.00	-10.50	AV

Remark:

1.Emission Level = Meter Reading + Factor,

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Over= Emission Level - Limit

2.If peak below the average limit, the average emission was no test.

3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB

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

5. The Worst mode is Antenna A.

802.11g

Polar (H/V)	Frequency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
Low channel:2412MHz							
V	4824.00	52.97	-0.43	52.54	74.00	-21.46	PK
V	4824.00	43.76	-0.43	43.33	54.00	-10.67	AV
V	7236.00	45.45	8.31	53.76	74.00	-20.24	PK
V	7236.00	34.63	8.31	42.94	54.00	-11.06	AV
H	4804.00	50.70	-0.43	50.27	74.00	-23.73	PK
H	4804.00	40.91	-0.43	40.48	54.00	-13.52	AV
H	7236.00	44.24	8.31	52.55	74.00	-21.45	PK
H	7236.00	35.51	8.31	43.82	54.00	-10.18	AV
Middle channel:2437MHz							
V	4874.00	50.45	-0.38	50.07	74.00	-23.93	PK
V	4874.00	44.24	-0.38	43.86	54.00	-10.14	AV
V	7311.00	41.70	8.83	50.53	74.00	-23.47	PK
V	7311.00	32.71	8.83	41.54	54.00	-12.46	AV
H	4874.00	46.49	-0.38	46.11	74.00	-27.89	PK
H	4874.00	36.40	-0.38	36.02	54.00	-17.98	AV
H	7311.00	39.62	8.83	48.45	74.00	-25.55	PK
H	7311.00	32.19	8.83	41.02	54.00	-12.98	AV
High channel:2462MHz							
V	4924.00	52.13	-0.32	51.81	74.00	-22.19	PK
V	4924.00	41.34	-0.32	41.02	54.00	-12.98	AV
V	7386.00	43.56	9.35	52.91	74.00	-21.09	PK
V	7386.00	34.00	9.35	43.35	54.00	-10.65	AV
H	4924.00	49.16	-0.32	48.84	74.00	-25.16	PK
H	4924.00	40.12	-0.32	39.80	54.00	-14.20	AV
H	7386.00	41.61	9.35	50.96	74.00	-23.04	PK
H	7386.00	32.97	9.35	42.32	54.00	-11.68	AV

Remark:

1.Emission Level = Meter Reading + Factor,

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Over= Emission Level - Limit

2.If peak below the average limit, the average emission was no test.

3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB

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

5. The Worst mode is Antenna A.

802.11n20

Polar (H/V)	Frequency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
Low channel:2412MHz							
V	4824.00	52.36	-0.43	51.93	74.00	-22.07	PK
V	4824.00	41.64	-0.43	41.21	54.00	-12.79	AV
V	7236.00	43.17	8.31	51.48	74.00	-22.52	PK
V	7236.00	33.11	8.31	41.42	54.00	-12.58	AV
H	4804.00	47.38	-0.43	46.95	74.00	-27.05	PK
H	4804.00	38.18	-0.43	37.75	54.00	-16.25	AV
H	7236.00	41.42	8.31	49.73	74.00	-24.27	PK
H	7236.00	32.44	8.31	40.75	54.00	-13.25	AV
Middle channel:2437MHz							
V	4874.00	49.42	-0.38	49.04	74.00	-24.96	PK
V	4874.00	43.16	-0.38	42.78	54.00	-11.22	AV
V	7311.00	42.41	8.83	51.24	74.00	-22.76	PK
V	7311.00	34.32	8.83	43.15	54.00	-10.85	AV
H	4874.00	48.41	-0.38	48.03	74.00	-25.97	PK
H	4874.00	37.99	-0.38	37.61	54.00	-16.39	AV
H	7311.00	39.75	8.83	48.58	74.00	-25.42	PK
H	7311.00	32.37	8.83	41.20	54.00	-12.80	AV
High channel:2462MHz							
V	4924.00	51.35	-0.32	51.03	74.00	-22.97	PK
V	4924.00	41.70	-0.32	41.38	54.00	-12.62	AV
V	7386.00	44.47	9.35	53.82	74.00	-20.18	PK
V	7386.00	35.30	9.35	44.65	54.00	-9.35	AV
H	4924.00	48.91	-0.32	48.59	74.00	-25.41	PK
H	4924.00	39.30	-0.32	38.98	54.00	-15.02	AV
H	7386.00	41.49	9.35	50.84	74.00	-23.16	PK
H	7386.00	32.66	9.35	42.01	54.00	-11.99	AV

Remark:

1.Emission Level = Meter Reading + Factor,

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Over= Emission Level - Limit

2.If peak below the average limit, the average emission was no test.

3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB

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

5. Test Mode is MIMO Mode.

802.11n40

Polar (H/V)	Frequency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
Low channel:2422MHz							
V	4844.00	52.51	-0.43	52.08	74.00	-21.92	PK
V	4844.00	42.22	-0.43	41.79	54.00	-12.21	AV
V	7266.00	45.27	8.31	53.58	74.00	-20.42	PK
V	7266.00	35.37	8.31	43.68	54.00	-10.32	AV
H	4844.00	49.93	-0.43	49.50	74.00	-24.50	PK
H	4844.00	40.52	-0.43	40.09	54.00	-13.91	AV
H	7266.00	43.87	8.31	52.18	74.00	-21.82	PK
H	7266.00	35.35	8.31	43.66	54.00	-10.34	AV
Middle channel:2437MHz							
V	4874.00	49.77	-0.38	49.39	74.00	-24.61	PK
V	4874.00	40.83	-0.38	40.45	54.00	-13.55	AV
V	7311.00	41.31	8.83	50.14	74.00	-23.86	PK
V	7311.00	31.49	8.83	40.32	54.00	-13.68	AV
H	4874.00	46.61	-0.38	46.23	74.00	-27.77	PK
H	4874.00	37.29	-0.38	36.91	54.00	-17.09	AV
H	7311.00	38.83	8.83	47.66	74.00	-26.34	PK
H	7311.00	30.14	8.83	38.97	54.00	-15.03	AV
High channel:2452MHz							
V	4904.00	52.13	-0.32	51.81	74.00	-22.19	PK
V	4904.00	42.69	-0.32	42.37	54.00	-11.63	AV
V	7356.00	45.37	9.35	54.72	74.00	-19.28	PK
V	7356.00	35.80	9.35	45.15	54.00	-8.85	AV
H	4904.00	50.78	-0.32	50.46	74.00	-23.54	PK
H	4904.00	40.32	-0.32	40.00	54.00	-14.00	AV
H	7356.00	43.25	9.35	52.60	74.00	-21.40	PK
H	7356.00	35.93	9.35	45.28	54.00	-8.72	AV

Remark:

1.Emission Level = Meter Reading + Factor,

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Over= Emission Level - Limit

2.If peak below the average limit, the average emission was no test.

3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB

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

5. Test Mode is MIMO Mode.

4.3 RADIATED BAND EMISSION MEASUREMENT

4.3.1 TEST REQUIREMENT:

FCC Part15 C Section 15.209 and 15.205

(a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	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	(²)
13.36-13.41			

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

FREQUENCY (MHz)	Class B (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).

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	2300MHz
Stop Frequency	2520
RB / VB (emission in restricted band)	1 MHz / 1 MHz for Peak, 1 MHz / 10Hz for Average

4.3.2 TEST PROCEDURE

Above 1GHz test procedure as below:

- a. 1. The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- g. Test the EUT in the Low, Middle and High channel.

Note:

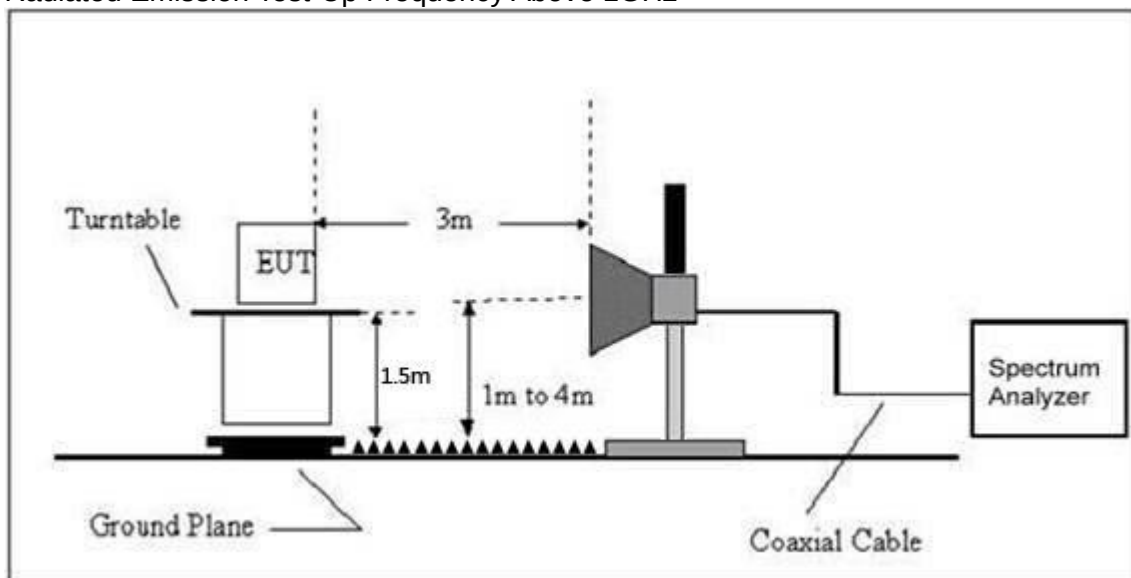
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

4.3.3 DEVIATION FROM TEST STANDARD

No deviation

4.3.4 TEST SETUP

Radiated Emission Test-Up Frequency Above 1GHz



4.3.5 EUT OPERATING 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.

4.3.6 TEST RESULT

	Polar (H/V)	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measure- ment (dBuV/m)	Limits (dBuV/m)		Result
					PK	PK	AV	
802.11b	Low Channel 2412MHz							
	H	2390.00	57.62	-6.70	50.92	74.00	54.00	PASS
	H	2400.00	48.65	-6.71	41.94	74.00	54.00	PASS
	V	2390.00	58.29	-6.70	51.59	74.00	54.00	PASS
	V	2400.00	50.91	-6.71	44.20	74.00	54.00	PASS
	High Channel 2462MHz							
	H	2483.50	57.70	-6.79	50.91	74.00	54.00	PASS
	H	2485.00	49.81	-6.81	43.00	74.00	54.00	PASS
	V	2483.50	56.45	-6.79	49.66	74.00	54.00	PASS
	V	2485.00	48.42	-6.81	41.61	74.00	54.00	PASS
802.11g	Low Channel 2412MHz							
	H	2390.00	57.26	-6.70	50.56	74.00	54.00	PASS
	H	2400.00	49.55	-6.71	42.84	74.00	54.00	PASS
	V	2390.00	57.18	-6.70	50.48	74.00	54.00	PASS
	V	2400.00	48.29	-6.71	41.58	74.00	54.00	PASS
	High Channel 2462MHz							
	H	2483.50	57.34	-6.79	50.55	74.00	54.00	PASS
	H	2485.00	49.35	-6.81	42.54	74.00	54.00	PASS
	V	2483.50	56.92	-6.79	50.13	74.00	54.00	PASS
	V	2485.00	49.88	-6.81	43.07	74.00	54.00	PASS

Remark:

1. Emission Level = Meter Reading + Factor,
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
Over= Emission Level - Limit
2. If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit.
- 3 In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
5. The Worst mode is Antenna A.

	Polar (H/V)	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measure- ment (dBuV/m)	Limits (dBuV/m)		Result
					PK	PK	AV	
802.11 n20	Low Channel 2412MHz							
	H	2390.00	56.91	-6.70	50.21	74.00	54.00	PASS
	H	2400.00	49.84	-6.71	43.13	74.00	54.00	PASS
	V	2390.00	57.62	-6.70	50.92	74.00	54.00	PASS
	V	2400.00	49.62	-6.71	42.91	74.00	54.00	PASS
	High Channel 2462MHz							
	H	2483.50	55.35	-6.79	48.56	74.00	54.00	PASS
	H	2500.00	48.73	-6.81	41.92	74.00	54.00	PASS
	V	2483.50	55.89	-6.79	49.10	74.00	54.00	PASS
	V	2500.00	48.51	-6.81	41.70	74.00	54.00	PASS
802.11 n40	Low Channel 2422MHz							
	H	2390.00	57.56	-6.70	50.86	74.00	54.00	PASS
	H	2400.00	49.41	-6.71	42.70	74.00	54.00	PASS
	V	2390.00	57.49	-6.70	50.79	74.00	54.00	PASS
	V	2400.00	50.26	-6.71	43.55	74.00	54.00	PASS
	High Channel 2452MHz							
	H	2483.50	56.92	-6.79	50.13	74.00	54.00	PASS
	H	2500.00	49.19	-6.81	42.38	74.00	54.00	PASS
	V	2483.50	56.86	-6.79	50.07	74.00	54.00	PASS
	V	2500.00	48.14	-6.81	41.33	74.00	54.00	PASS

Remark:

1. Emission Level = Meter Reading + Factor,
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
Over= Emission Level - Limit
2. If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit.
- 3 In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
5. Test Mode is MIMO Mode.

5. POWER SPECTRAL DENSITY TEST

5.1 APPLIED PROCEDURES / LIMIT

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

5.1.1 TEST PROCEDURE

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

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP



5.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.1 Unless otherwise a special operating condition is specified in the follows during the testing.
 Note: Power Spectral Density(dBm)=Reading+Cable Loss

5.1.5 TEST RESULTS

Temperature :	26 °C	Relative Humidity :	54%
Pressure :	101kPa	Test Voltage :	AC120V/60Hz
Test Mode :	TX b Mode		

Frequency	Power Spectral Density (dBm/3KHz) ANTA	Power Spectral Density (dBm/3KHz) ANTB	Total power density (dBm/3KHz)	Limit (dBm/3KHz)	Result
2412 MHz	-6.122	-7.304	/	8	PASS
2437 MHz	-6.737	-6.680	/	8	PASS
2462 MHz	-6.514	-6.613	/	8	PASS

Note: A(B) Represent the value of antenna A and B, The worst data is Antenna A, only shown Antenna A Plot.

TX CH01



TX CH06



TX CH11

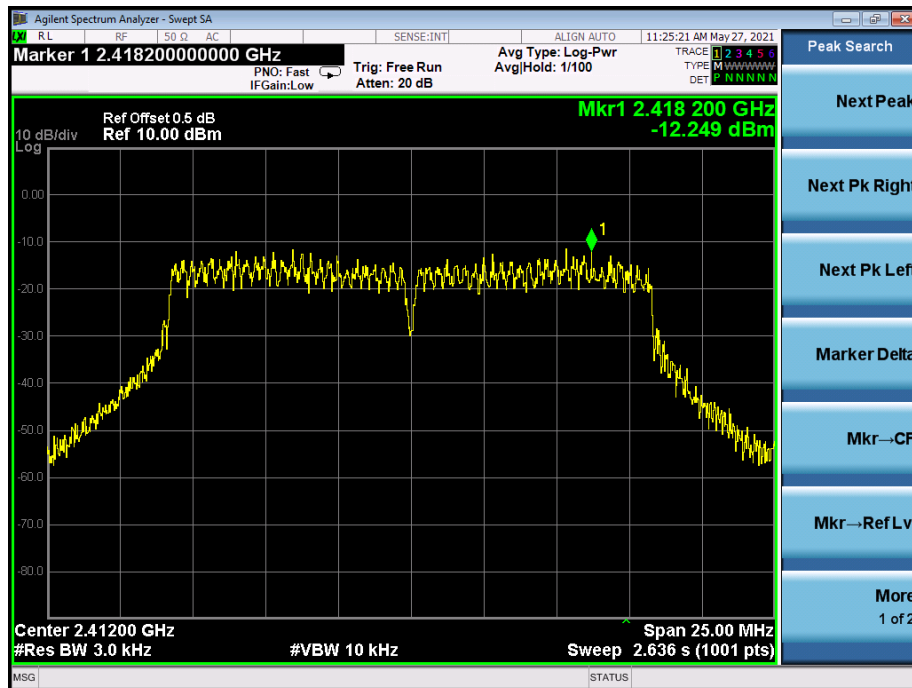


Temperature :	26 °C	Relative Humidity :	54%
Pressure :	101kPa	Test Voltage :	AC120V/60Hz
Test Mode :	TX g Mode		

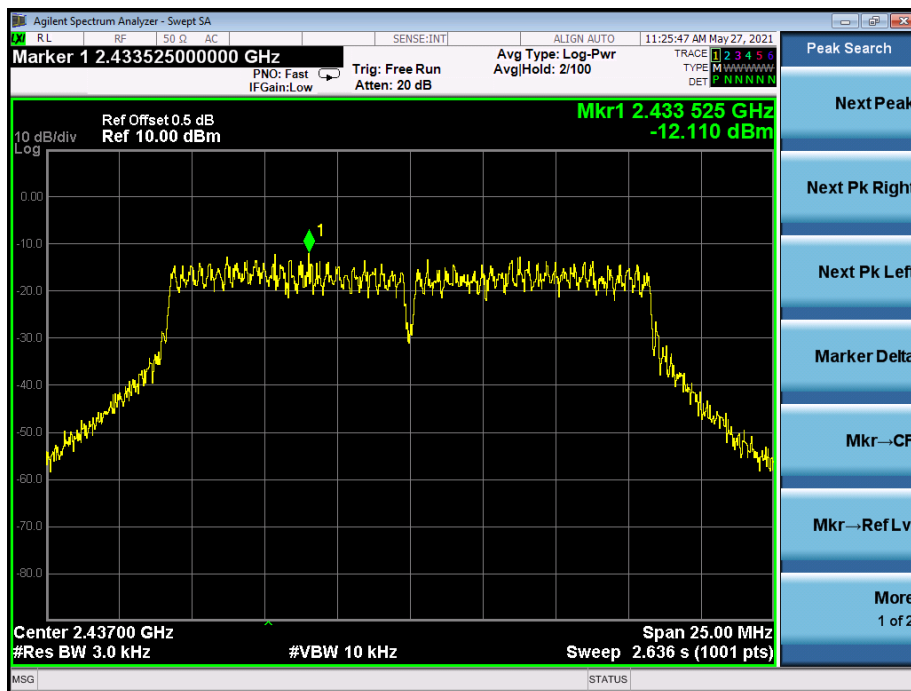
Frequency	Power Spectral Density (dBm/3KHz) ANTA	Power Spectral Density (dBm/3KHz) ANTB	Total power density (dBm/3KHz)	Limit (dBm/3KHz)	Result
2412 MHz	-12.249	-12.536	/	8	PASS
2437 MHz	-12.110	-12.676	/	8	PASS
2462 MHz	-12.630	-12.618	/	8	PASS

Note: A(B) Represent the value of antenna A and B, The worst data is Antenna A, only shown Antenna A Plot.

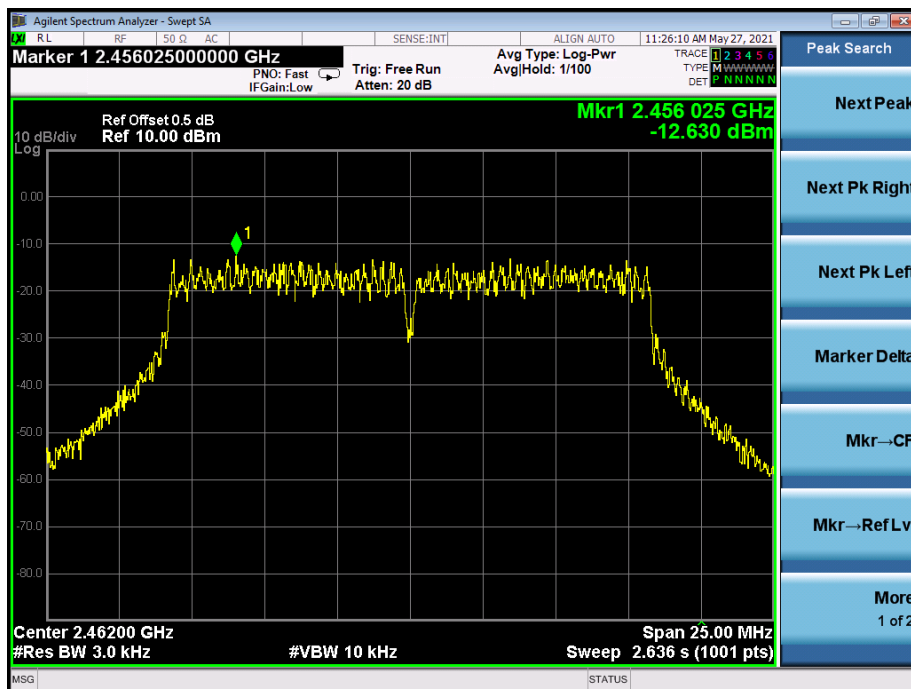
TX CH01



TX CH06



TX CH11

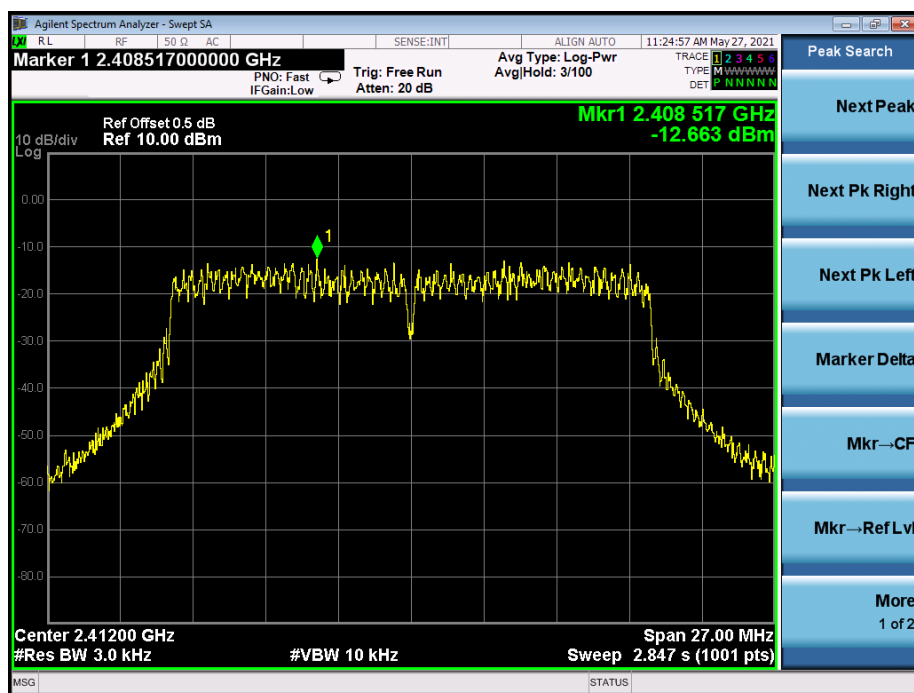


Temperature :	26 °C	Relative Humidity :	54%
Pressure :	101kPa	Test Voltage :	AC120V/60Hz
Test Mode :	TX n Mode(20M)		

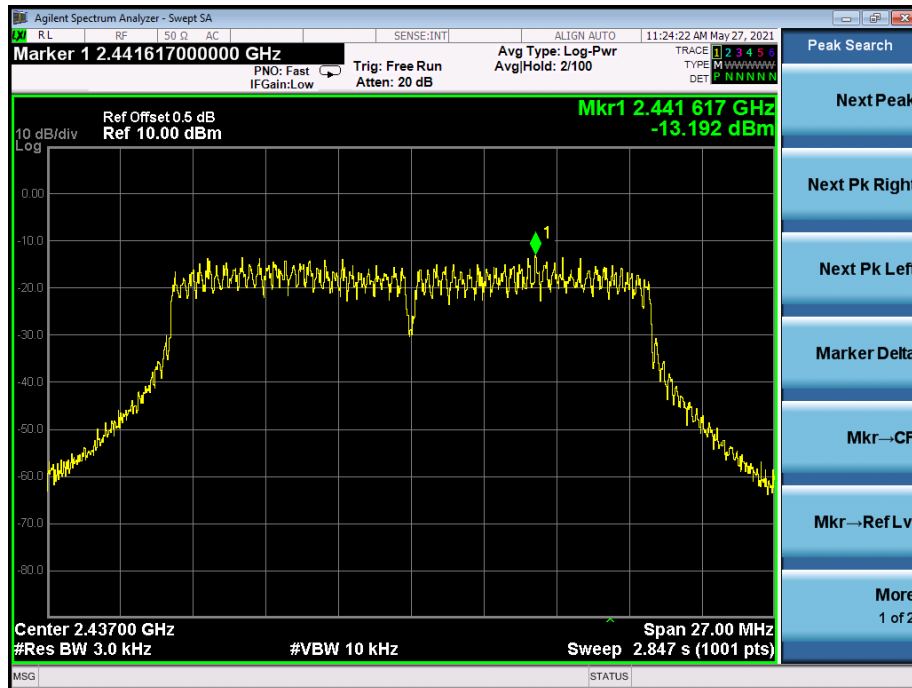
Frequency	Power Spectral Density (dBm/3KHz) ANTA	Power Spectral Density (dBm/3KHz) ANTB	Total power density (dBm/3KHz)	Limit (dBm/3KHz)	Result
2412 MHz	-12.663	-13.419	-10.014	8	PASS
2437 MHz	-13.192	-12.867	-10.016	8	PASS
2462 MHz	-14.053	-13.196	-10.593	8	PASS

Note: A(B) Represent the value of antenna A and B, The worst data is Antenna B, only shown Antenna A Plot.

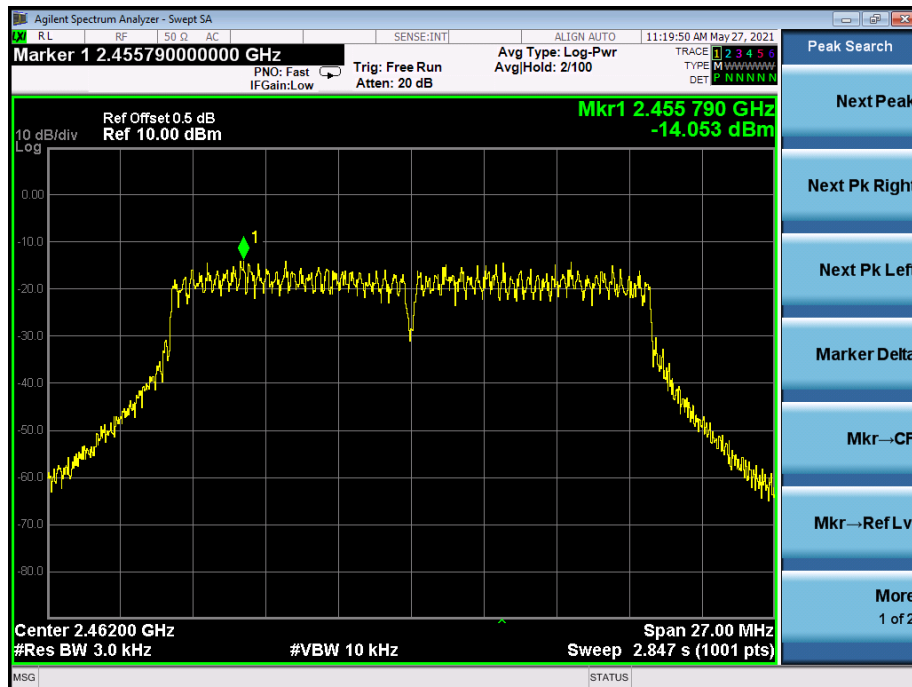
TX CH01



TX CH06



TX CH11

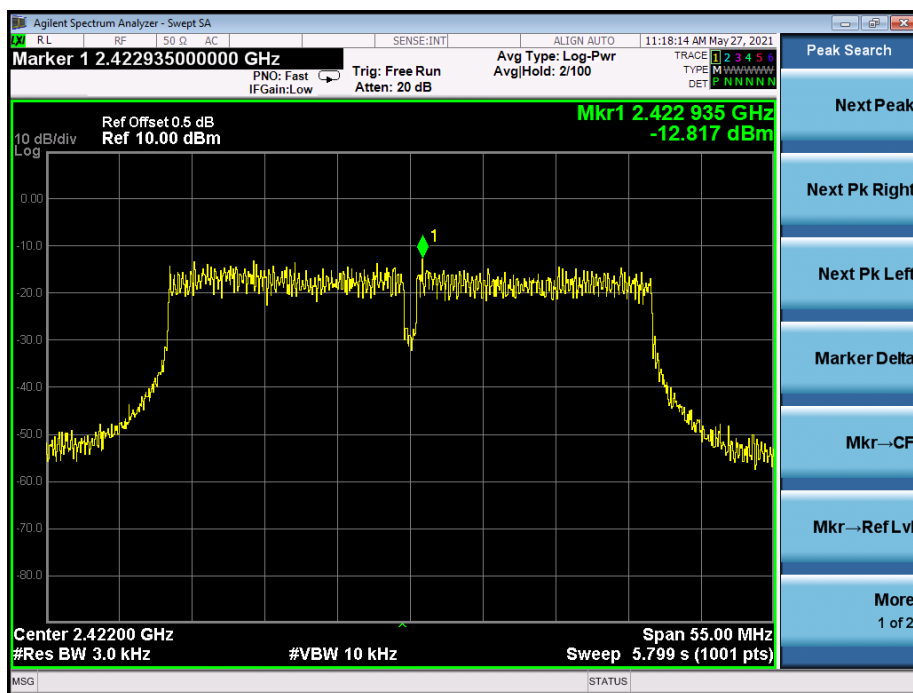


Temperature :	26 °C	Relative Humidity :	54%
Pressure :	101kPa	Test Voltage :	AC120V/60Hz
Test Mode :	TX n Mode(40M)		

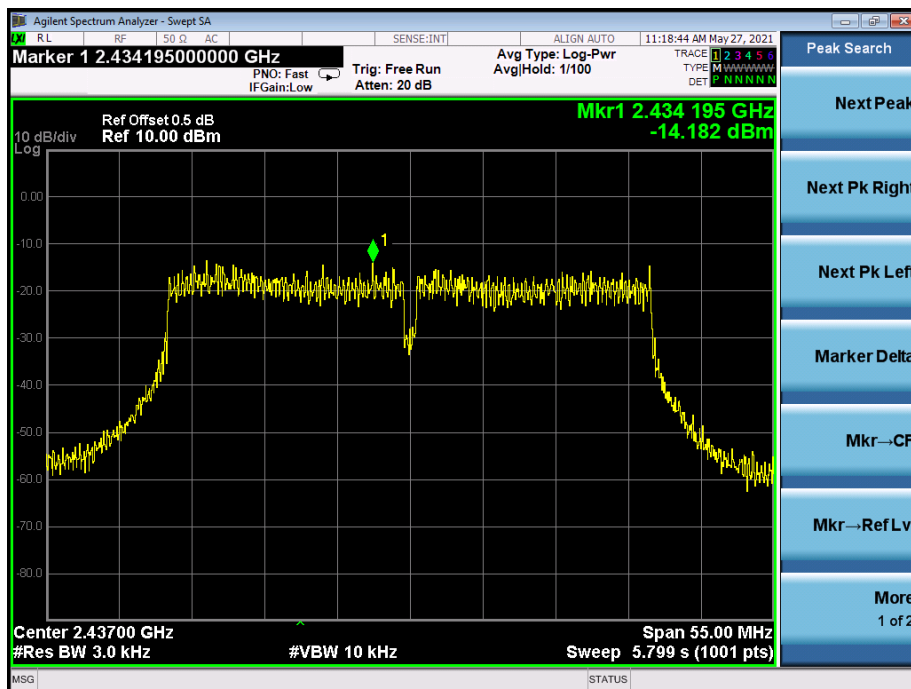
Frequency	Power Spectral Density (dBm/3KHz) ANTA	Power Spectral Density (dBm/3KHz) ANTB	Total power density (dBm/3KHz)	Limit (dBm/3KHz)	Result
2422 MHz	-12.817	-13.223	-10.005	8	PASS
2437 MHz	-14.182	-14.444	-11.301	8	PASS
2452 MHz	-14.297	-14.381	-11.328	8	PASS

Note: A(B) Represent the value of antenna A and B, The worst data is Antenna B, only shown Antenna A Plot.

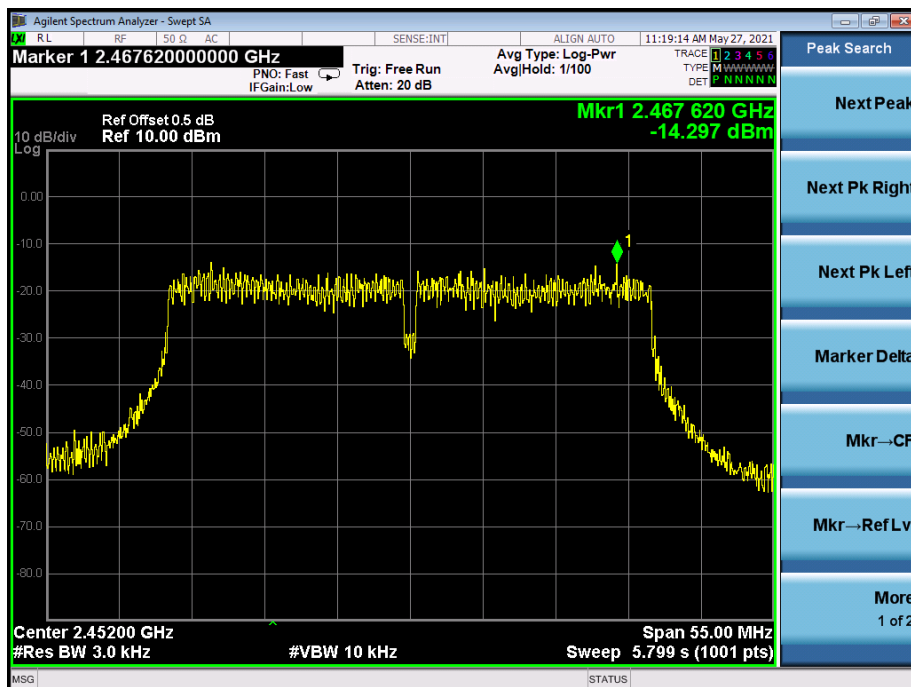
TX CH03



TX CH06



TX CH09



6. BANDWIDTH TEST

6.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(a)(2)	Bandwidth	$\geq 500\text{KHz}$ (6dB bandwidth)	2400-2483.5	PASS

6.1.1 TEST PROCEDURE

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

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP



6.1.4 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.

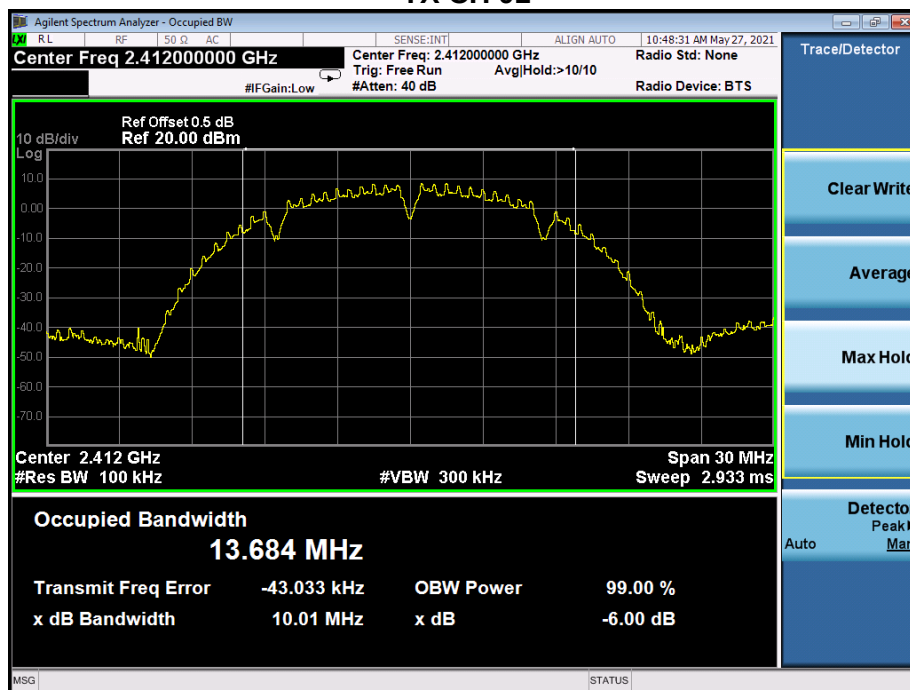
6.1.5 TEST RESULTS

Temperature :	26 °C	Relative Humidity :	54%
Pressure :	101kPa	Test Voltage :	AC120V/60Hz
Test Mode :	TX b Mode		

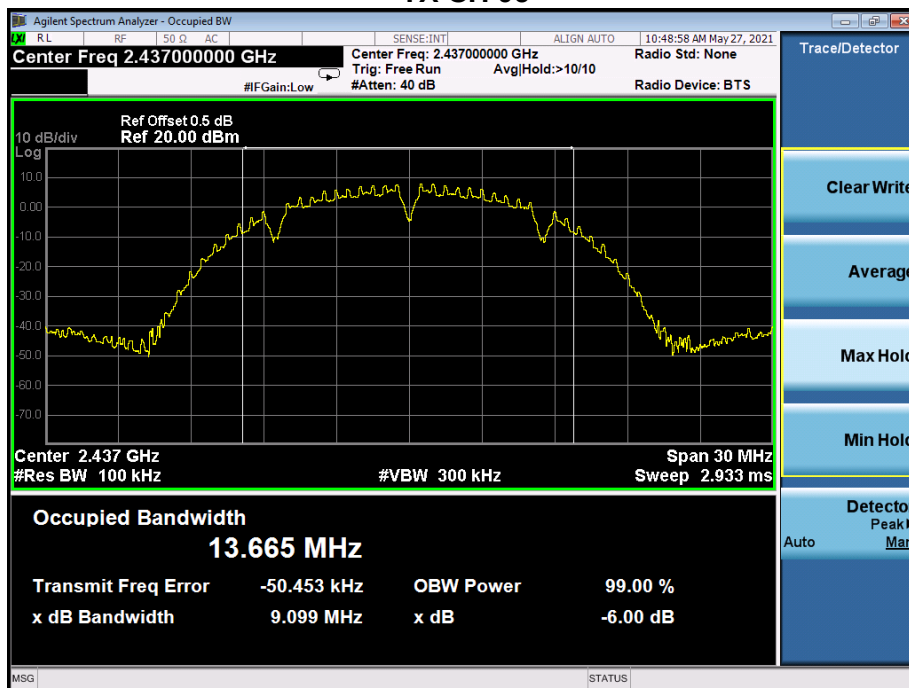
Frequency (MHz)	6dB bandwidth (MHz) ANTA	6dB bandwidth (MHz) ANTB	Limit (kHz)	Result
2412	10.01	9.12	500	Pass
2437	9.10	9.08	500	Pass
2462	9.56	8.58	500	Pass

Note: A(B) Represent the value of antenna A and B, The worst data is Antenna A, only shown Antenna A Plot.

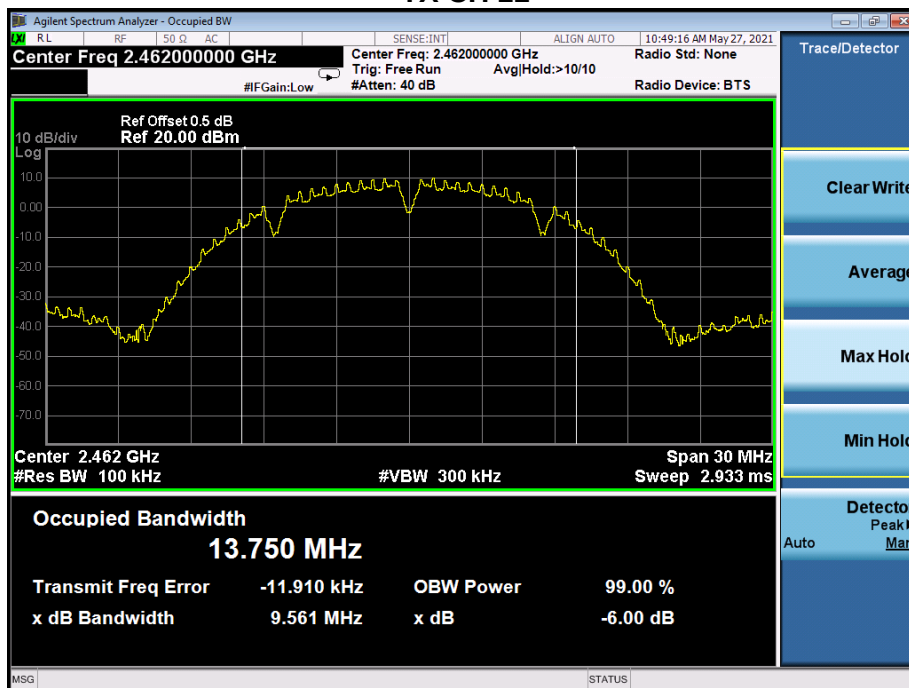
TX CH 01



TX CH 06



TX CH 11

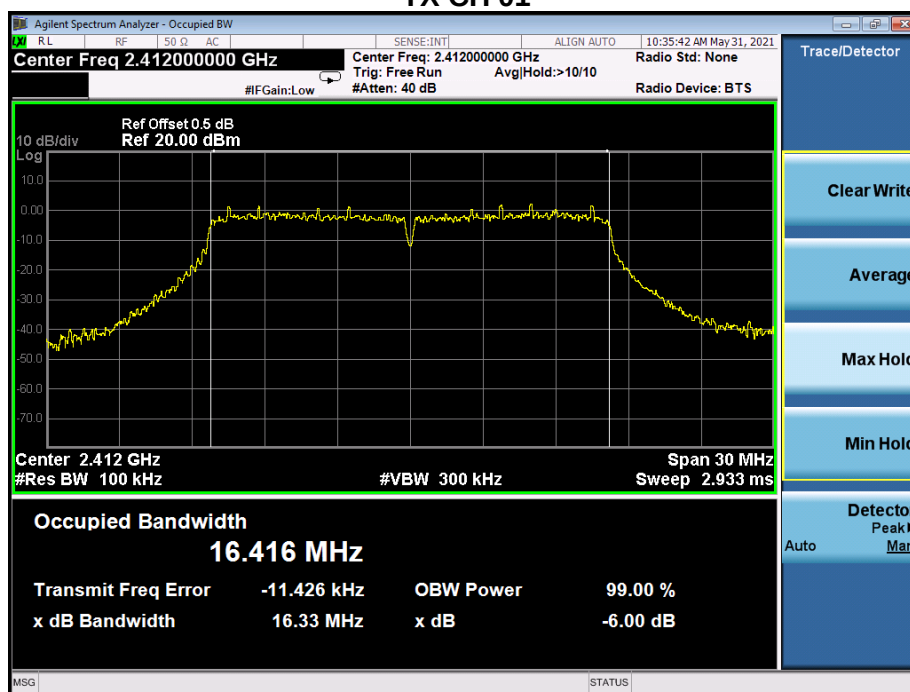


Temperature :	26 °C	Relative Humidity :	54%
Pressure :	101kPa	Test Voltage :	AC120V/60Hz
Test Mode :	TX g Mode		

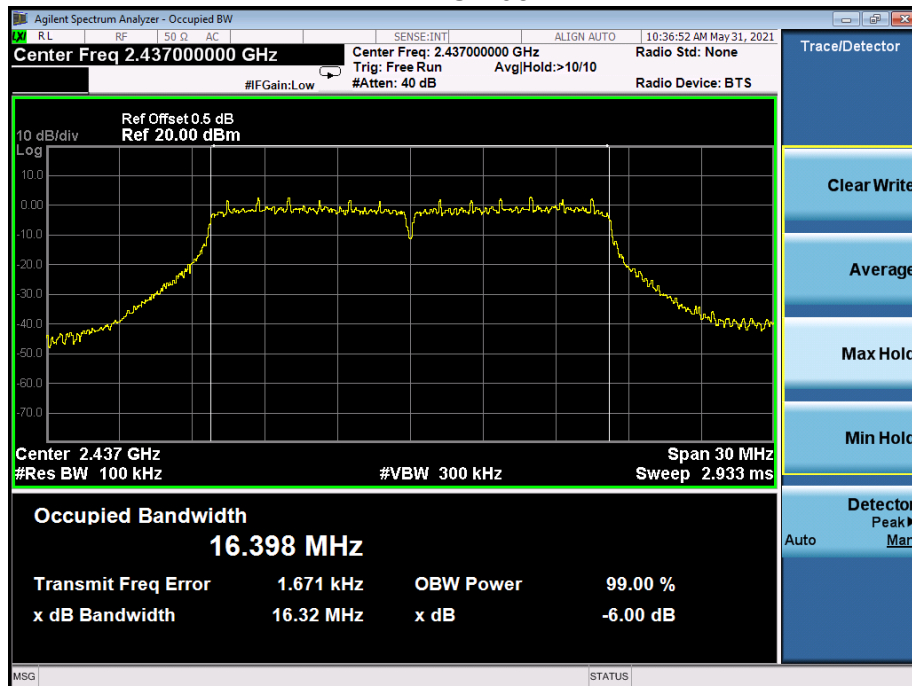
Frequency (MHz)	6dB bandwidth (MHz) ANTA	6dB bandwidth (MHz) ANTB	Limit (kHz)	Result
2412	16.34	16.33	500	Pass
2437	16.32	16.32	500	Pass
2462	16.33	16.35	500	Pass

Note: A(B) Represent the value of antenna A and B, The worst data is Antenna A, only shown Antenna B Plot.

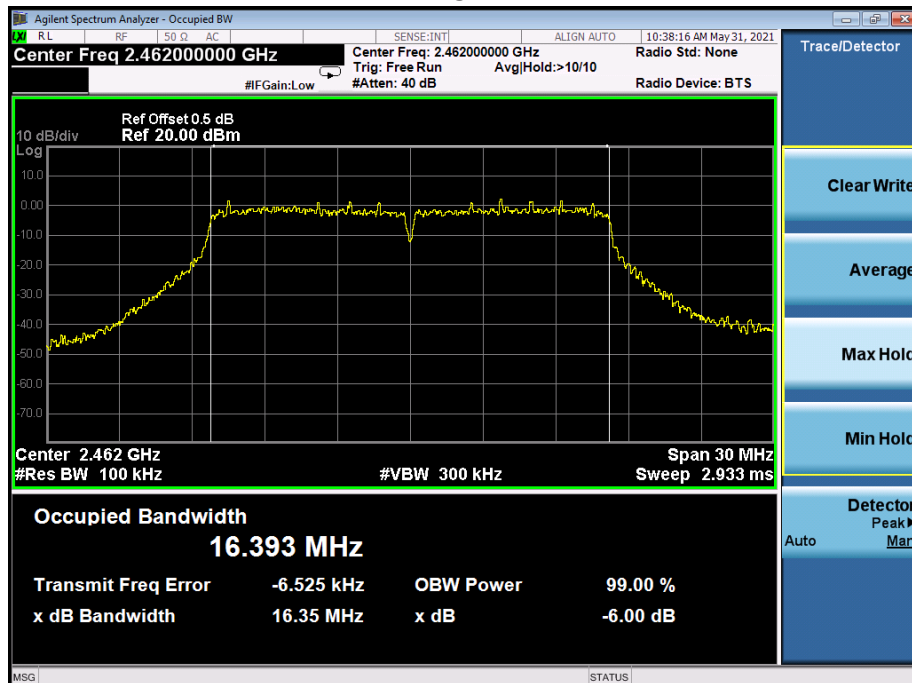
TX CH 01



TX CH 06



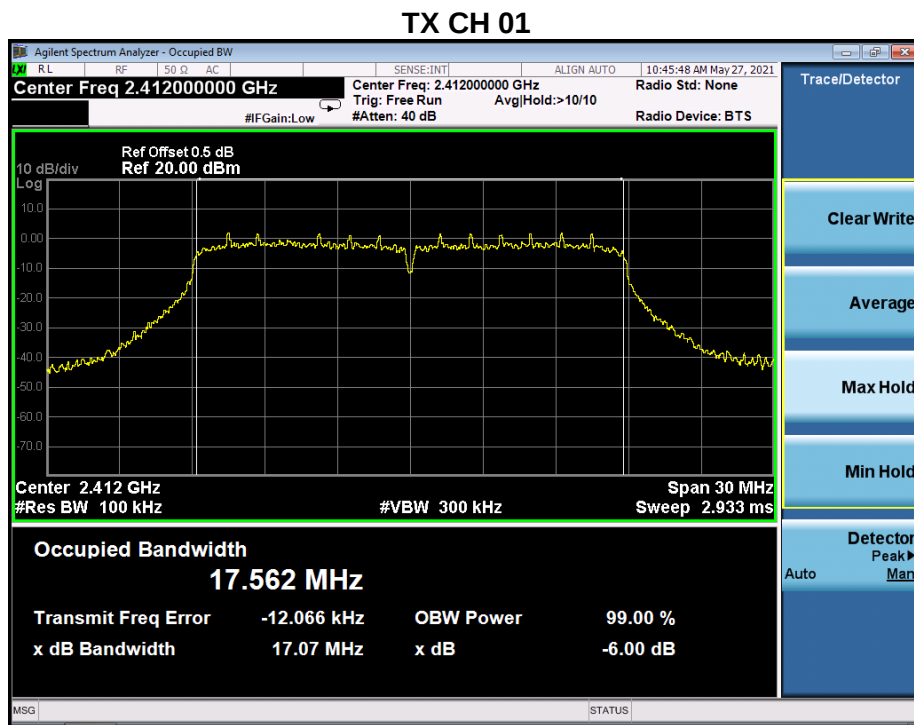
TX CH 11



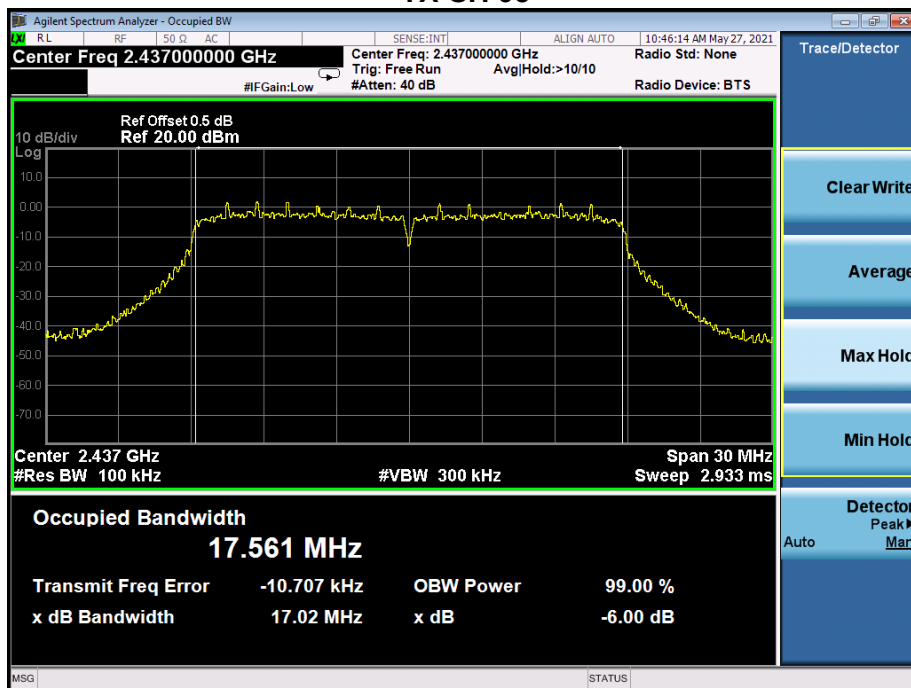
Temperature :	26 °C	Relative Humidity :	54%
Pressure :	101kPa	Test Voltage :	AC120V/60Hz
Test Mode :	TX n Mode(20M)		

Frequency (MHz)	6dB bandwidth (MHz) ANTA	6dB bandwidth (MHz) ANTB	Limit (kHz)	Result
2412	17.07	17.01	500	Pass
2437	17.02	16.95	500	Pass
2462	17.05	16.94	500	Pass

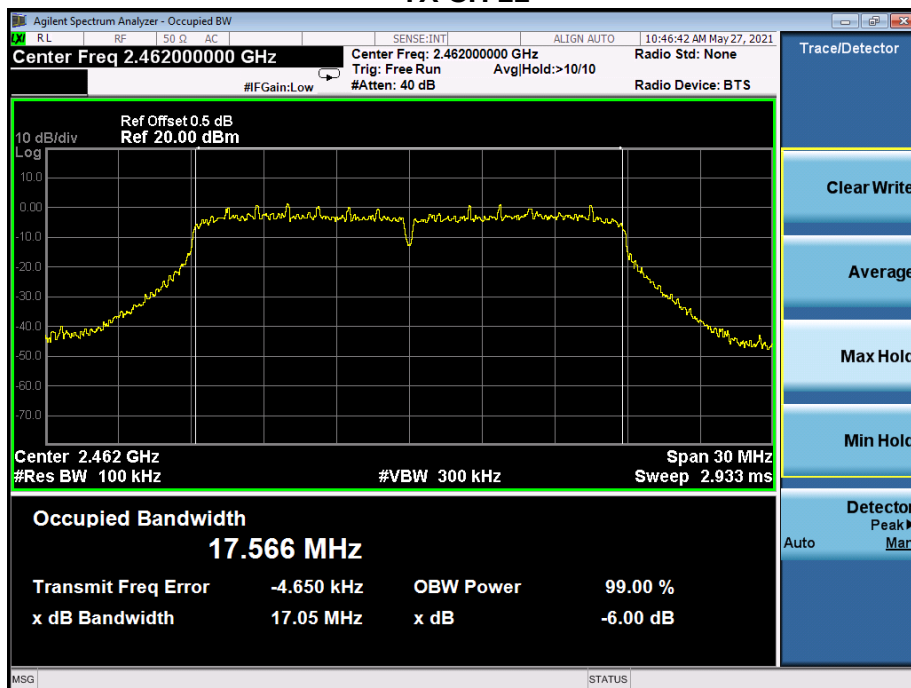
Note: A(B) Represent the value of antenna A and B, The worst data is Antenna B, only shown Antenna A Plot.



TX CH 06



TX CH 11

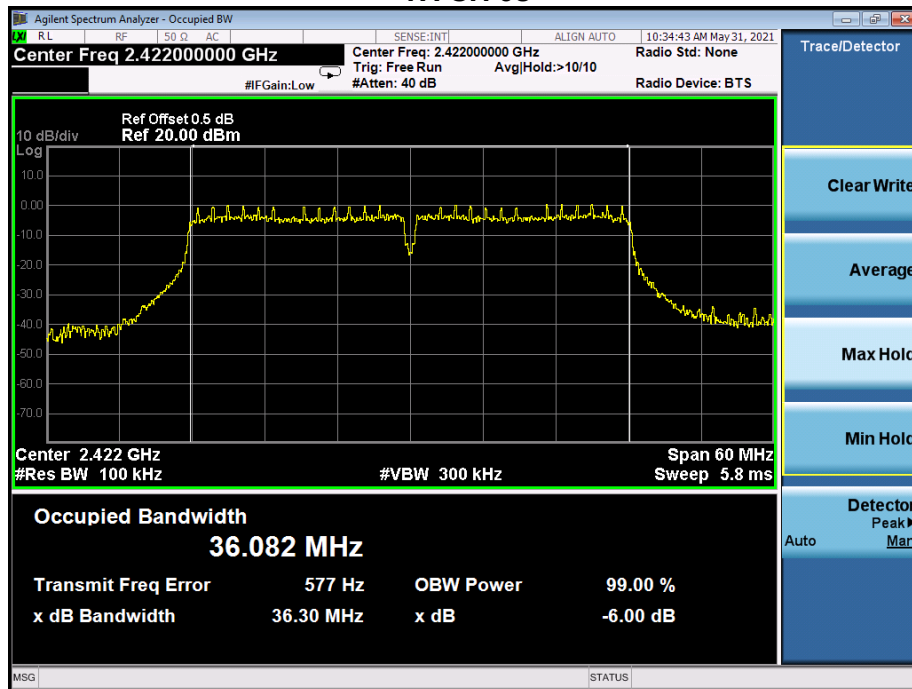


Temperature :	26 °C	Relative Humidity :	54%
Pressure :	101kPa	Test Voltage :	AC120V/60Hz
Test Mode :	TX n Mode(40M)		

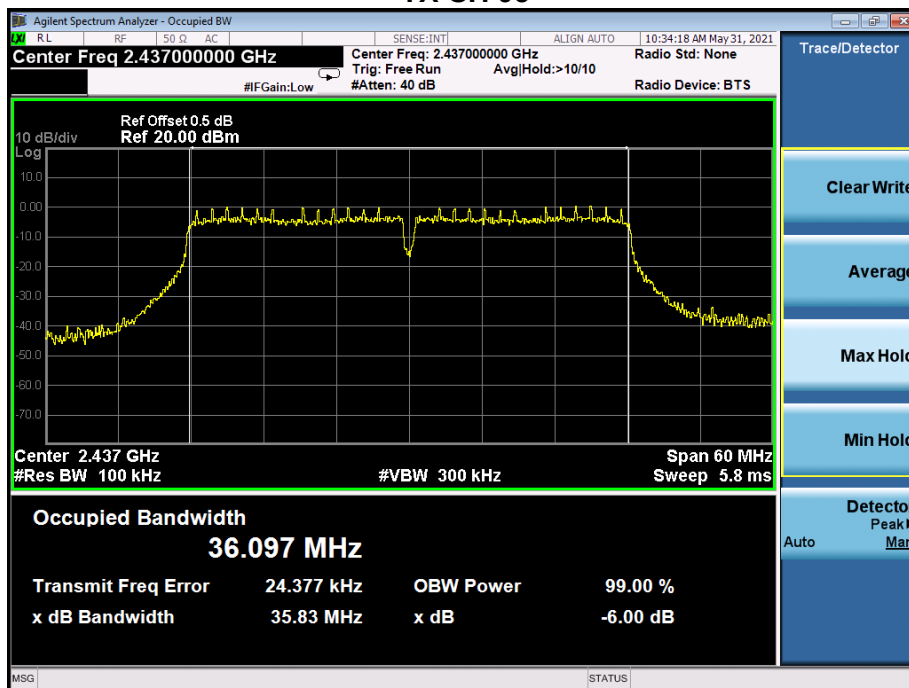
Frequency (MHz)	6dB bandwidth (MHz) ANTA	6dB bandwidth (MHz) ANTB	Limit (kHz)	Result
2422	35.78	36.30	500	Pass
2437	35.79	35.83	500	Pass
2452	35.87	35.84	500	Pass

Note: A(B) Represent the value of antenna A and B, The worst data is Antenna A, only shown Antenna B Plot.

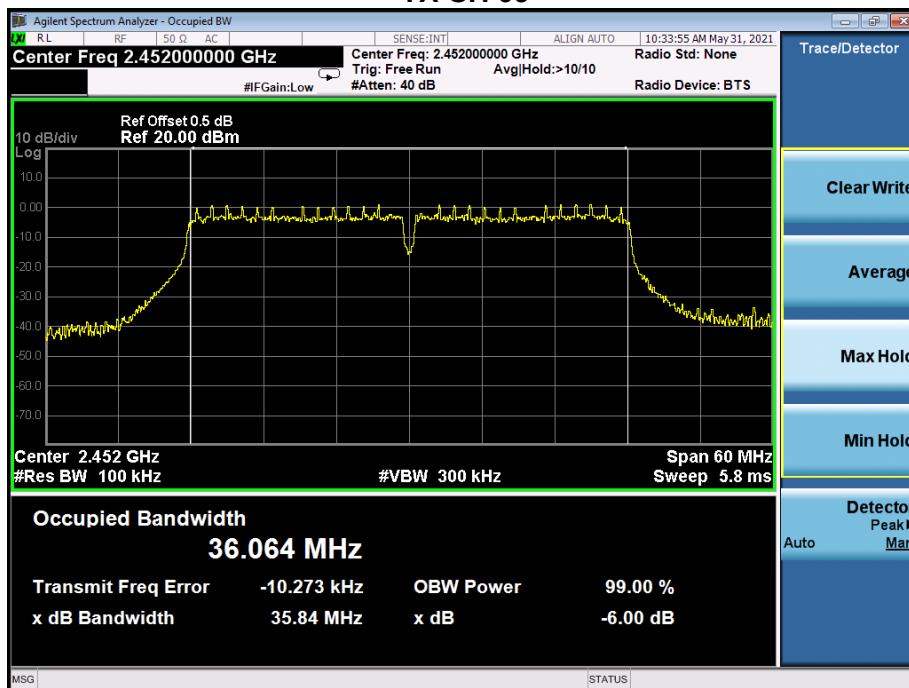
TX CH 03



TX CH 06



TX CH 09



7. PEAK OUTPUT POWER TEST

7.1 APPLIED PROCEDURES/LIMIT

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

7.1.1 TEST PROCEDURE

- a. The EUT was directly connected to the Power meter

7.1.2 DEVIATION FROM STANDARD

No deviation.

7.1.3 TEST SETUP



7.1.4 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.