

CTC Laboratories, Inc.

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TEST REPORT

Report No.: CTC20211561E04

FCC ID...... 2A3DY-2021VSPW

Applicant Blaze Entertainment Limited.

Address-----: 13 Venture House, Letchworth, SG6 2HW, UK

Manufacturer-----: LiteStar Electronics Technology Co.,LTD.

Xingchen Science & Technology Park, Lianbi Road, Wulian Address....:

Industry Area Fenggang Town, Dongguan, China

Product Name·····: **Evercade VS console and wired controllers**

Trade Mark----: **BLAZE**

FG-VSPW-CON-USA-PRE Model/Type reference·····:

FG-VSPW-CON-GU-PRE, FG-VSPW-CON-EFIGS-PRE, Listed Model(s) ·····:

FG-VSSW-CON-USA-STA, FG-VSSW-CON-GU-STA, FG-VSSW-CON-EFIGS-STA, FG-WIRW-CTR-EFIGS, FG-WIRB-CTR-EFIGS, FG-SOLW-CON, FG-SOLB-CON

Standard----:: FCC CFR Title 47 Part 15 Subpart C Section 15.247

report is received. It will not be taken into consideration beyond this limit. The test report merely

Date of receipt of test sample...: Sep. 15, 2021

Date of testing..... Sep. 15, 2021 to Oct. 13, 2021

Oct. 14, 2021 Date of issue.....

Result....: **PASS**

Compiled by:

(Printed name+signature) Jim Jiang Jim Jiang Miller Ma

Supervised by:

Miller Ma (Printed name+signature)

Approved by:

Totti Zhao (Printed name+signature)

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correspond to the test sample.





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1. TEST SUMMARY

1.1. Test Standards

The tests were performed according to following standards:

FCC Rules Part 15.247: Operation within the bands of 902-928MHz, 2400-2483.5MHz, and 5725-5850MHz.

RSS 247 Issue 2: Standard Specifications for Frequency Hopping Systems (FHSs) and Digital Transmission Systems (DTSs) Operating in the Bands 902-928MHz, 2400-2483.5MHz and 5725-5850MHz.

ANSI C63.10-2013: American National Standard for Testing Unlicensed Wireless Devices.

1.2. Report Version

Revised No.	Date of issue	Description
01	Oct. 14, 2021	Original

1.3. Test Description

FCC Part 15 Subpart C (15.247) / RSS 247 Issue 2						
Test Item	Standard	Section	Result	Test Engineer		
rest item	FCC	IC	Result			
Antenna Requirement	15.203	/	Pass	Jim Jiang		
Conducted Emission	15.207	RSS-Gen 8.8	Pass	Jim Jiang		
Band Edge Emissions	15.247(d)	RSS 247 5.5	Pass	Jim Jiang		
6dB Bandwidth	15.247(a)(2)	RSS 247 5.2 (a)	Pass	Jim Jiang		
Conducted Max Output Power	15.247(b)(3)	RSS 247 5.4 (d)	Pass	Jim Jiang		
Power Spectral Density	15.247(e)	RSS 247 5.2 (b)	Pass	Jim Jiang		
Transmitter Radiated Spurious	15.209&15.247(d)	RSS 247 5.5& RSS-Gen 8.9	Pass	Jim Jiang		

Note: The measurement uncertainty is not included in the test result.

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CTC Laboratories, Inc.

Add: 1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Laboratory accreditation

The test facility is recognized, certified, or accredited by the following organizations:

CNAS-Lab Code: L5365

CTC Laboratories, Inc. has been assessed and proved to be in compliance with CNAS-CL01 Accreditation. Criteria for Testing and Calibration Laboratories (identical to ISO/IEC 17025:2017 General Requirements) for the Competence of Testing and Calibration Laboratories.

A2LA-Lab Cert. No.: 4340.01

CTC Laboratories, Inc. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

Industry Canada (Registration No.: 9783A, CAB Identifier: CN0029)

CTC Laboratories, Inc. EMC Laboratory has been registered by Certification and Engineer Bureau of Industry Canada for the performance of with Registration NO.: 9783A on Jan, 2016.

FCC (Registration No.: 951311, Designation Number CN1208)

CTC Laboratories, Inc. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained inour files. Registration 951311, Aug 26, 2017.

1.5. Measurement Uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to TR-100028-01" Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 1" and TR-100028-02 "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 2 " and is documented in the CTC Laboratories, Inc. quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Below is the best measurement capability for CTC Laboratories, Inc.





Test Items Measurement Uncertainty Notes Transmitter power conducted 0.42 dB (1) Transmitter power Radiated 2.14 dB (1) Conducted spurious emissions 9kHz~40GHz 1.60 dB (1) Radiated spurious emissions 9kHz~40GHz 2.20 dB (1) Conducted Emissions 9kHz~30MHz 3.20 dB (1) Radiated Emissions 30~1000MHz 4.70 dB (1) Radiated Emissions 1~18GHz 5.00 dB (1) Radiated Emissions 18~40GHz 5.54 dB (1) Occupied Bandwidth (1)

1.6. Environmental Conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature:	21°C~27°C
Relative Humidity:	40%~60%
Atmospheric Pressure:	101kPa

Note (1): This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.





2. GENERAL INFORMATION

2.1. Client Information

Applicant: Blaze Entertainment Limited.	
Address: 13 Venture House, Letchworth, SG6 2HW, UK	
Manufacturer:	LiteStar Electronics Technology Co.,LTD.
Address:	Xingchen Science & Technology Park, Lianbi Road, Wulian Industry Area Fenggang Town, Dongguan, China

Report No.: CTC20211561E04

2.2. General Description of EUT

Product Name:	Evercade VS console and wired controllers		
Trade Mark:	BLAZE		
Model/Type reference:	FG-VSPW-CON-USA-PRE		
FG-VSPW-CON-GU-PRE, FG-VSPW-CON-EFIGS-PRE, FG-VSSW-CON-USA-STA, FG-VSSW-CON-GU-STA, FG-VSSW-CON-EFIGS-STA, FG-WIRW-CTR-EFIGS, FG-WIRB-CFG-SOLW-CON, FG-SOLB-CON			
Model Differences:	All these models are identical in the same PCB, layout and electrical circuit. Different is external packing and model number.		
Power supply:	DC5V 700mA		
Hardware version:	NA		
Software version:	NA		
2.4G WIFI 802.11b/ g/ n(F	HT20)/ n(HT40)		
Modulation:	802.11b: DSSS(CCK, DQPSK, DBPSK) 802.11g/n: OFDM(BPSK, QPSK, 16QAM, 64QAM)		
Operation frequency:	802.11b/g/n(HT20): 2412MHz~2462MHz 802.11n(HT40): 2422MHz~2452MHz		
Channel number:	802.11b/g/n(HT20): 11 channels 802.11n(HT40): 7 channels		
Channel separation:	5MHz		
Antenna type:	Internal Antenna		
Antenna gain:	1.0dBi		





2.3. Accessory Equipment Information

Equipment Information						
Name	Manufacturer					
Notebook	ThinkPad T460s	/	Lenovo			
Cable Information						
Name	Name Shielded Type Ferrite Core Length					
USB Cable	Unshielded	NO	100cm			
Test Software Information						
Name Version / /						
SecureCRTPortable	7.1.1	/	/			

CTC Laboratories, Inc.

For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China: yz.cnca.cn



2.4. Operation State

Operation Frequency List: The EUT has been tested under typical operating condition. The Applicant provides communication tools software to control the EUT for staying in continuous transmitting and receiving mode for testing.

Operation Frequency List:

Channel	Frequency (MHz)
01	2412
02	2417
03	2422
04	2427
05	2432
06	2437
07	2442
08	2447
09	2452
10	2457
11	2462

Note: CH 01~CH 11 for 802.11b/g/n(HT20), CH 03~CH 09 for 802.11n(HT40)

Data Rated

Preliminary tests were performed in different data rate, and found which the below bit rate is worst case mode, so only show data which it is a worst case mode.

Mode	Data rate (worst mode)	
802.11b	1Mbps	
802.11g	6Mbps	
802.11n(HT20)	HT-MCS0	
802.11n(HT40)	HT-MCS0	

Test mode

For RF test items:

The engineering test program was provided and enabled to make EUT continuous transmit.

For AC power line conducted emissions:

The EUT was set to connect with the WLAN AP under large package sizes transmission.

For Radiated spurious emissions test item:

The engineering test program was provided and enabled to make EUT continuous transmit. The EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data Recorded in the report.



Measurement Instruments List

Tonscer	Tonscend JS0806-2 Test system					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Calibrated until	
1	Spectrum Analyzer	Rohde & Schwarz	FSU26	100105	Dec. 25, 2021	
2	Spectrum Analyzer	Rohde & Schwarz	FUV40-N	101331	Mar. 15, 2022	
3	MXG Vector Signal Generator	Agilent	N5182A	MY47420864	Dec. 25, 2021	
4	Signal Generator	Agilent	E8257D	MY46521908	Dec. 25, 2021	
5	Power Sensor	Agilent	U2021XA	MY5365004	Dec. 25, 2021	
6	Power Sensor	Agilent	U2021XA	MY5365006	Dec. 25, 2021	
7	Simultaneous Sampling DAQ	Agilent	U2531A	TW54493510	Dec. 25, 2021	
8	Climate Chamber	TABAI	PR-4G	A8708055	Dec. 25, 2021	
9	Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	116410	Dec. 25, 2021	
10	Climate Chamber	ESPEC	MT3065	/	Dec. 25, 2021	
11	300328 v2.2.2 test system	TONSCEND	v2.6	/	/	

Radiat	Radiated Emission and Transmitter spurious emissions					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Calibrated until	
1	EMI Test Receiver	Rohde & Schwarz	ESCI	100658	Dec. 25, 2021	
2	High pass filter	micro-tranics	HPM50111	142	Dec. 25, 2021	
3	Log-Bicon Antenna	Schwarzbeck	CBL6141A	4180	Dec. 25, 2021	
4	Ultra-Broadband Antenna	ShwarzBeck	BBHA9170	25841	Dec. 25, 2021	
5	Loop Antenna	LAPLAC	RF300	9138	Dec. 25, 2021	
6	Spectrum Analyzer	Rohde & Schwarz	FSU26	100105	Dec. 25, 2021	
7	Horn Antenna	Schwarzbeck	BBHA 9120D	647	Dec. 25, 2021	
8	Pre-Amplifier	HP	8447D	1937A03050	Dec. 25, 2021	
9	Pre-Amplifier	EMCI	EMC051835	980075	Dec. 25, 2021	
10	Antenna Mast	UC	UC3000	N/A	N/A	
11	Turn Table	UC	UC3000	N/A	N/A	
12	Cable Below 1GHz	Schwarzbeck	AK9515E	33155	Dec. 25, 2021	
13	Cable Above 1GHz	Hubersuhner	SUCOFLEX102	DA1580	Dec. 25, 2021	
14	Splitter	Mini-Circuit	ZAPD-4	400059	Dec. 25, 2021	
15	RF Connection Cable	HUBER+SUHNER	RE-7-FL	N/A	Dec. 25, 2021	
16	RF Connection Cable	Chengdu E-Microwave			Dec. 25, 2021	



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17	High pass filter	Compliance Direction systems	BSU-6	34202	Dec. 25, 2021
18	Attenuator	Chengdu E-Microwave	EMCAXX-10RNZ-3		Dec. 25, 2021
19	High and low temperature box	ESPEC	MT3065	12114019	Dec. 25, 2021

Conduc	ted Emission				
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Calibrated until
1	LISN	R&S	ENV216	101112	Dec. 25, 2021
2	LISN	R&S	ENV216	101113	Dec. 25, 2021
3	EMI Test Receiver	R&S	ESCI	100658	Dec. 25, 2021

Note:

- 1. The Cal. Interval was one year.
- 2. The cable loss has calculated in test result which connection between each test instruments.



3. TEST ITEM AND RESULTS

3.1. Conducted Emission

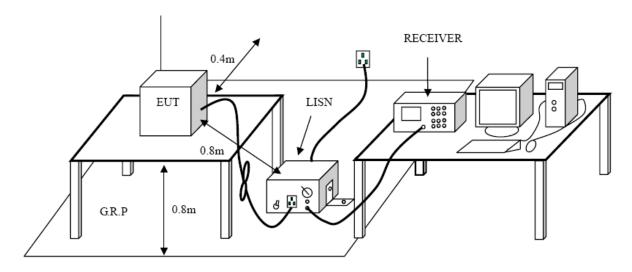
Limit

FCC CFR Title 47 Part 15 Subpart C Section 15.207/ RSS - Gen 8.8:

Frequency range (MHz)	Limit (dBuV)				
Frequency range (MHZ)	Quasi-peak	Average			
0.15-0.5	66 to 56*	56 to 46*			
0.5-5	56	46			
5-30	60	50			

^{*} Decreases with the logarithm of the frequency.

Test Configuration



Test Procedure

- 1. The EUT was setup according to ANSI C63.10:2013 requirements.
- 2. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface.
- 3. The EUT and simulators are connected to the main power through a line impedances stabilization network (LISN). The LISN provides a 50ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs)
- 4. Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.
- 5. The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
- 6. Conducted Emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.
- 7. During the above scans, the emissions were maximized by cable manipulation.



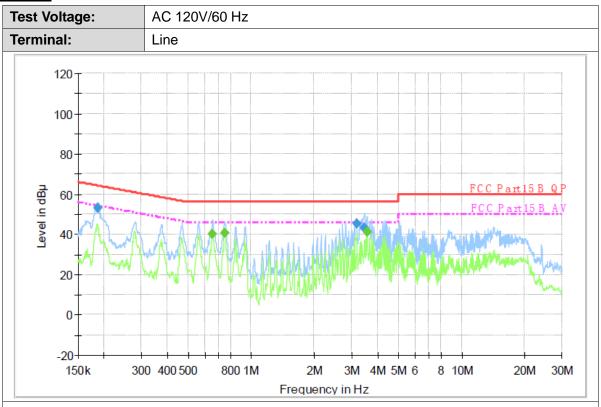




Test Mode:

Please refer to the clause 2.4.

Test Results



Final Measurement Detector 1

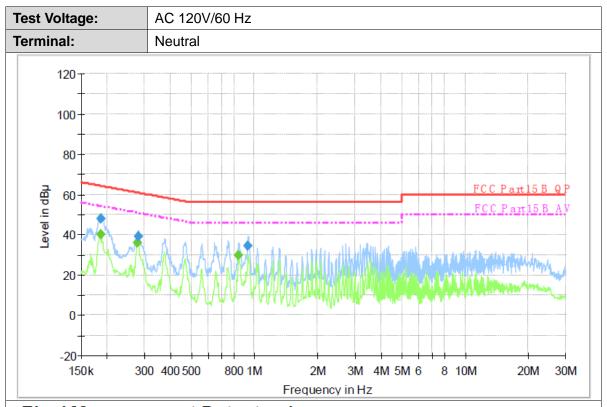
Frequency (MHz)	QuasiPeak (dBµ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµ V)	Comment
0.186830	53.1	1000.00	9.000	On	N	10.0	11.1	64.2	
3.179670	45.6	1000.00	9.000	On	N	10.0	10.4	56.0	
3.457720	43.3	1000.00	9.000	On	N	10.0	12.7	56.0	

Final Measurement Detector 2

Frequency (MHz)	Average (dBµ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµ V)	Comment
0.654380	40.4	1000.00	9.000	On	N	10.0	5.6	46.0	
0.746520	40.8	1000.00	9.000	On	N	10.0	5.2	46.0	
3.555710	41.3	1000.00	9.000	On	N	10.0	4.7	46.0	

Emission Level= Read Level+ Correct Factor





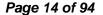
Final Measurement Detector 1

	Frequency (MHz)	QuasiPeak (dBμ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµ V)	Comment
Γ	0.186830	48.0	1000.00	9.000	On	L1	9.7	16.2	64.2	
Γ	0.281850	39.3	1000.00	9.000	On	L1	9.7	21.5	60.8	
Γ	0.933540	34.2	1000.00	9.000	On	L1	9.7	21.8	56.0	

Final Measurement Detector 2

Frequency (MHz)	Average (dBµ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµ V)	Comment
0.185340	40.2	1000.00	9.000	On	L1	9.7	14.0	54.2	
0.278490	36.0	1000.00	9.000	On	L1	9.7	14.9	50.9	
0.838150	29.9	1000.00	9.000	On	L1	9.7	16.2	46.0	

Emission Level= Read Level+ Correct Factor





3.2. Radiated Emission

<u>Limit</u>

FCC CFR Title 47 Part 15 Subpart C Section 15.209/ RSS - Gen 8.9:

Frequency (MHz)	Field Strength (microvolts/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
960~1000	500	3

Fraguency (MILIT)	dB(uV/m) (at 3 meters)				
Frequency (MHz)	Peak	Average			
Above 1000	74	54			

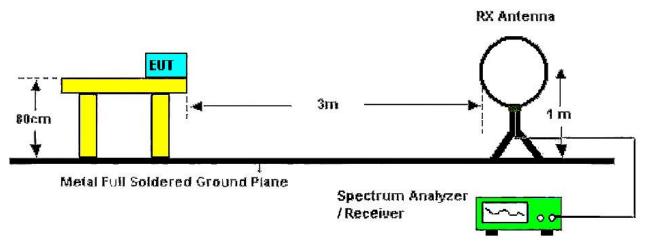
Note:

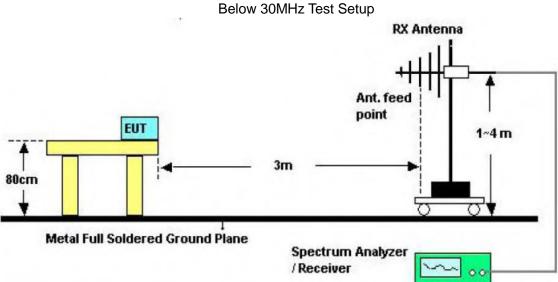
- (1) The tighter limit applies at the band edges.
- (2) Emission Level (dBuV/m)=20log Emission Level (uV/m).

Test Configuration

For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China: yz.cnca.cn

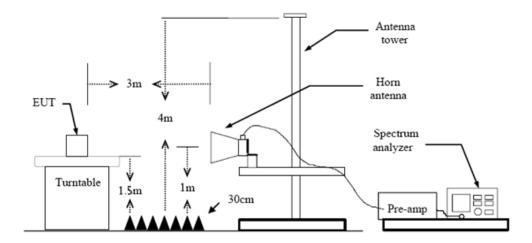






30-1000MHz Test Setup





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Above 1GHz Test Setup

Test Procedure

- 1. The EUT was setup and tested according to ANSI C63.10:2013
- 2. The EUT is placed on a turn table which is 0.8 meter above ground for below 1 GHz, and 1.5 m for above 1 GHz. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
- 3. The EUT was set 3 meters from the receiving antenna, which was mounted on the top of a variable height antenna tower.
- 4. For each suspected emission, the EUT was arranged to its worst case and then tune the Antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.
- 5. Set to the maximum power setting and enable the EUT transmit continuously.
- 6. Use the following spectrum analyzer settings
- (1) Span shall wide enough to fully capture the emission being measured;
- (2) Below 1 GHz:

RBW=120 kHz, VBW=300 kHz, Sweep=auto, Detector function=peak, Trace=max hold;

If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

(3) From 1 GHz to 10th harmonic:

RBW=1MHz, VBW=3MHz Peak detector for Peak value.

RBW=1MHz, VBW=3MHz RMS detector for Average value.

Test Mode

Please refer to the clause 2.4.

Test Result

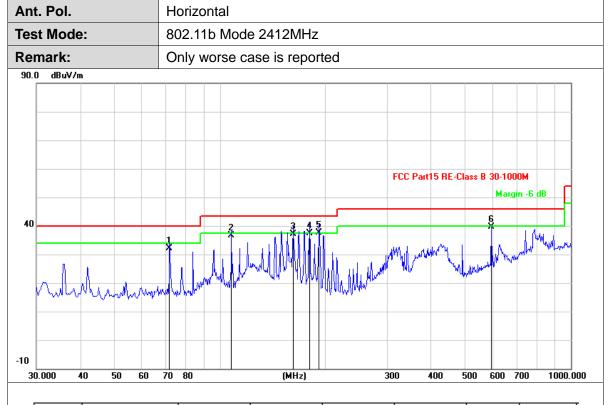
9 KHz~30 MHz

From 9 KHz to 30 MHz: Conclusion: PASS

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

EX 中国国家认证认可监督管理委员会

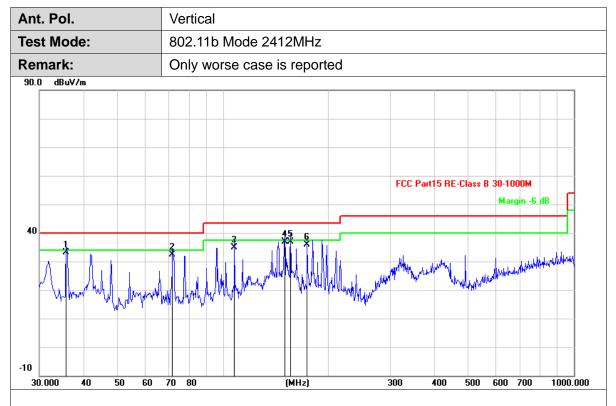




No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	72.0332	-18.14	50.34	32.20	40.00	-7.80	QP
2	107.9232	-17.62	54.22	36.60	43.50	-6.90	QP
3	161.9200	-14.41	51.49	37.08	43.50	-6.42	QP
4	180.3500	-16.11	53.48	37.37	43.50	-6.13	QP
5	192.3132	-17.31	55.01	37.70	43.50	-5.80	QP
6	593.8931	-6.64	46.36	39.72	46.00	-6.28	QP

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value





No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	35.8200	-14.61	47.71	33.10	40.00	-6.90	QP
2	72.0332	-18.14	50.44	32.30	40.00	-7.70	QP
3	107.9232	-17.62	52.61	34.99	43.50	-8.51	QP
4	150.2800	-14.34	51.20	36.86	43.50	-6.64	QP
5	156.1000	-14.35	51.35	37.00	43.50	-6.50	QP
6	173.8832	-15.18	50.96	35.78	43.50	-7.72	QP

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



۱nt.	Pol.		Horiz	ontal					
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No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)		Margin (dB)	Detector
1	4823.986	-2.76	40.00	37.24	54.00	-16.76	AVG
2	4824.202	-2.76	53.33	50.57	74.00	-23.43	peak

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value



Ant	. Pol.			Vertic	al							
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No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)		Margin (dB)	Detector
1	4824.341	-2.76	39.52	36.76	54.00	-17.24	AVG
2	4824.451	-2.76	52.99	50.23	74.00	-23.77	peak

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

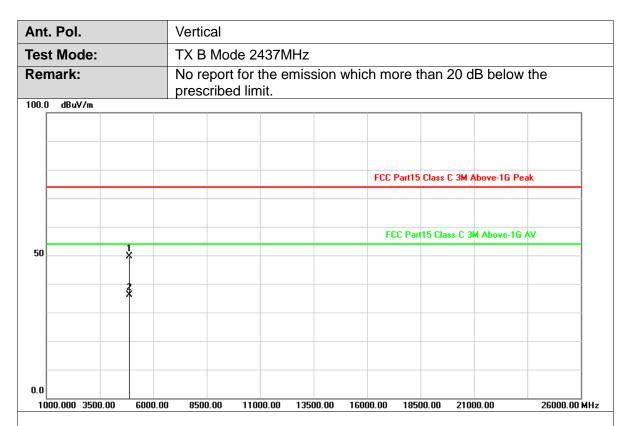


Ant. Pol.	Horizontal
Test Mode:	TX B Mode 2437MHz
Remark:	No report for the emission which more than 20 dB below the prescribed limit.
100.0 dBuV/m	
	FCC Part15 Class C 3M Above-1G Peak
	FCC Part15 Class C 3M Above-1G AV
50 2	
0.0	
1000.000 3500.00 6000	.00 8500.00 11000.00 13500.00 16000.00 18500.00 21000.00 26000.00 MI

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	l	Margin (dB)	Detector
1	4873.857	-2.61	52.56	49.95	74.00	-24.05	peak
2	4874.065	-2.61	39.25	36.64	54.00	-17.36	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

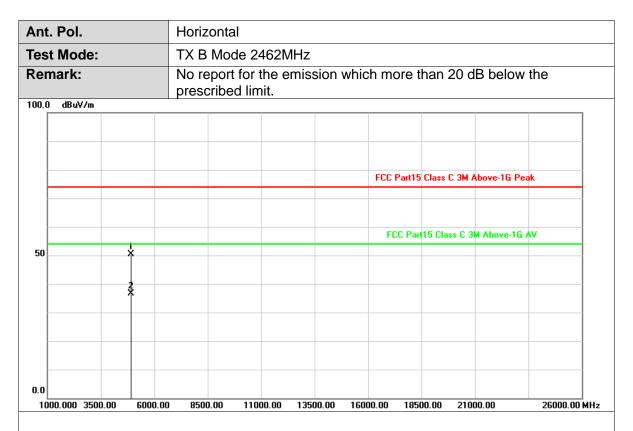




No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	l	Margin (dB)	Detector
1	4874.016	-2.61	52.28	49.67	74.00	-24.33	peak
2	4874.263	-2.61	38.76	36.15	54.00	-17.85	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

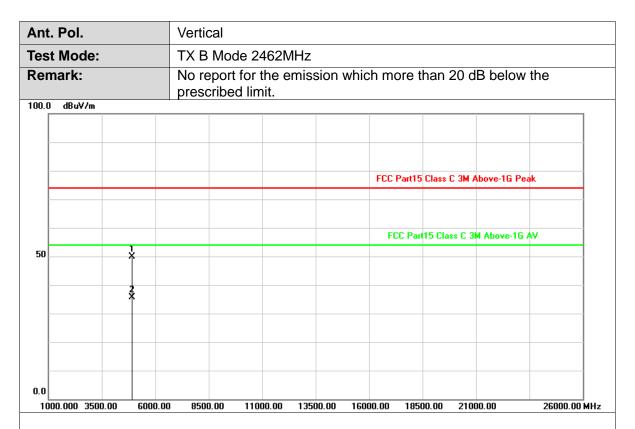




No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	l	Margin (dB)	Detector
1	4924.274	-2.47	52.73	50.26	74.00	-23.74	peak
2	4924.363	-2.47	39.09	36.62	54.00	-17.38	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor





No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	ı	Margin (dB)	Detector
1	4924.112	-2.47	52.36	49.89	74.00	-24.11	peak
2	4924.415	-2.47	38.12	35.65	54.00	-18.35	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

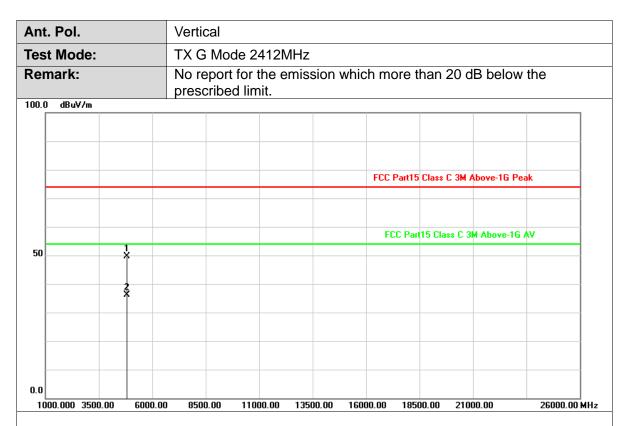


Ant.	Pol.			Horizon	tal					
Test	Mode	: :		TX G M	ode 2412	MHz				
Rem	nark:				ort for the bed limit.	emission	which m	ore than	20 dB belo	w the
100.0	dBuV/π	1		p. 000						
-										
-							FCC	Part15 Class	C 3M Above-1G I	Peak
								1 01010	0 0 2010 12	
							F	CC Part15 Ck	ass C 3M Above-1	G AV
50			ź							
			*							
-										
-										
0.0										
100	0.000 35	00.00	6000.0	00 8500.00	11000.00	13500.00	16000.00	18500.00	21000.00	26000.00 N

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)		Margin (dB)	Detector
1	4824.256	-2.76	39.02	36.26	54.00	-17.74	AVG
2	4824.415	-2.76	52.86	50.10	74.00	-23.90	peak

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor





No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	l	Margin (dB)	Detector
1	4824.130	-2.76	52.35	49.59	74.00	-24.41	peak
2	4824.160	-2.76	38.88	36.12	54.00	-17.88	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant.	Pol.		Horizonta	al					
Test	Mode:		TX G Mo	de 2437N	ЛHz				
Rem	nark:		No repor		mission	which m	ore than	20 dB belo	w the
00.0	dBuV/m		p. 00000						
						FCC	Part15 Class	C 3M Above-1G	Peak
-						E	CC Part 15 Cla	ss C 3M Above-1	C AV
50		1					SC T dit 13 Cic	ISS C SIN ADOTC	477
		Î							
-		3							
		1							
-									
0.0									
L	0.000 3500	.00 6000.	00 8500.00	11000.00	13500.00	16000.00	18500.00	21000.00	26000.00

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	l	Margin (dB)	Detector
1	4873.784	-2.61	51.97	49.36	74.00	-24.64	peak
2	4874.248	-2.61	38.23	35.62	54.00	-18.38	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant.	Pol.			Vertical						
Test	Mode	:		TX G M	ode 2437ľ	MHz				
Rem	ark:			No repo		emission	which m	ore than	20 dB belov	w the
100.0	dBuV/m			1 1 1 2 2 2 1 1 1 2						
							FCC	Part15 Class	C 3M Above-1G F	Peak
-							100	T ditt 5 Class	C 3M ADOVE-10 1	Edk
							F	CC Part15 Cla	ass C 3M Above-10	G AV
50			×							
			*							
0.0										
100	0.000 350	00.00	6000.0	00 8500.00	11000.00	13500.00	16000.00	18500.00	21000.00	26000.00 M

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	ı	Margin (dB)	Detector
1	4874.031	-2.61	52.63	50.02	74.00	-23.98	peak
2	4874.200	-2.61	39.10	36.49	54.00	-17.51	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

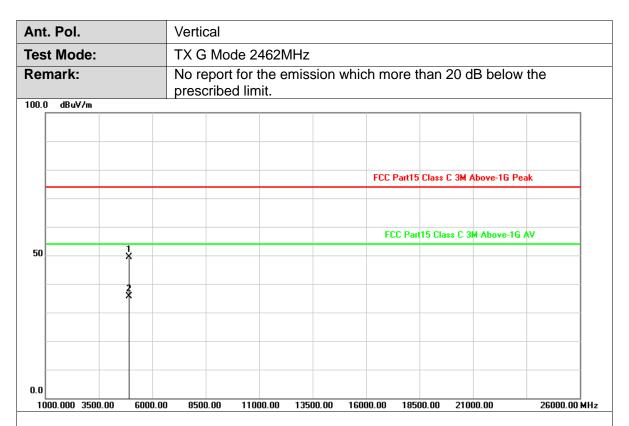


Ant.	Pol.			Horizo	ntal								
Test	Mod	e:		TX G	Mode 2	462MI	Hz						
Rem	nark:				ort for tibed lim		nission	which	n more t	han 20	dB below	the	
100.0	dBuV/	m		p. 555.									
									F00 D .41		40.0		
-									FCC Part15	Class C 3M	Above-1G Pe	ak	
									FCC Par	t15 Class C	3M Above-1G	AV	
50			1 X										
			2										
0.0													
100	00.000 3	500.00	6000.0	00 8500.	00 1100	00.00	13500.00	16000	0.00 185	00.00 21	000.00	26000.00 M	H:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	l	Margin (dB)	Detector
1	4923.912	-2.47	51.73	49.26	74.00	-24.74	peak
2	4924.362	-2.47	38.47	36.00	54.00	-18.00	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

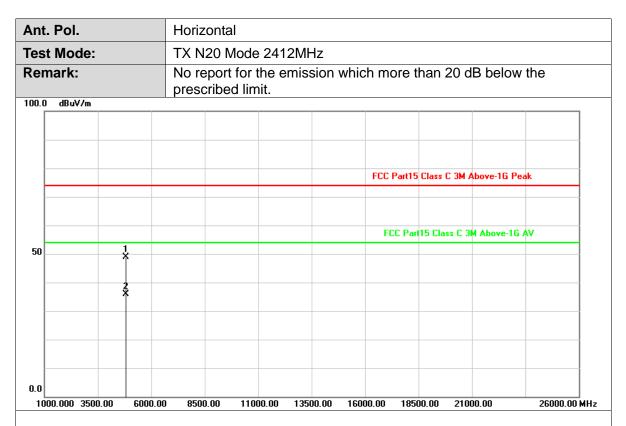




No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	l	Margin (dB)	Detector
1	4923.951	-2.47	51.82	49.35	74.00	-24.65	peak
2	4923.972	-2.47	38.15	35.68	54.00	-18.32	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

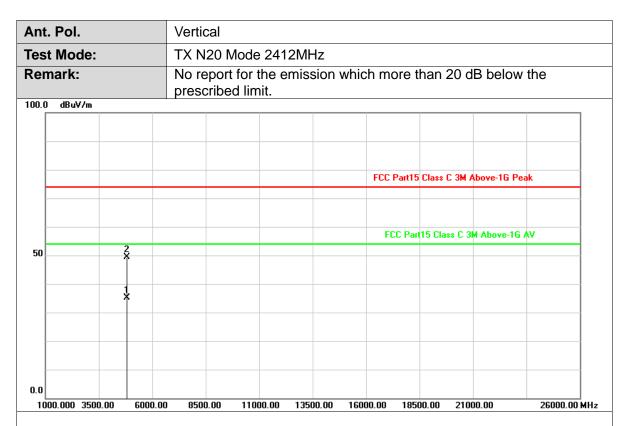




No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	ı	Margin (dB)	Detector
1	4823.845	-2.76	51.64	48.88	74.00	-25.12	peak
2	4824.451	-2.76	38.71	35.95	54.00	-18.05	AVG

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value





No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	l	Margin (dB)	Detector
1	4823.985	-2.76	37.88	35.12	54.00	-18.88	AVG
2	4824.090	-2.76	52.12	49.36	74.00	-24.64	peak

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor





Ant	. Pol.			Horizor	ntal						
Tes	t Mod	de:		TX N20) Mode 24	137MHz	<u></u>				
Rei	nark:				ort for the oed limit.	emissi	on whic	h more t	han 20 d	B below	the
100.0) dBu∀	//m									
								FCC Part15	Class C 3M A	bove-1G Pea	ık
								FCC Pari	15 Class C 3	M Above-1G A	w
50			*								
			*								
0.0											
10	000.000	3500.00	6000.0	0 8500.00	11000.0	13500.	.00 1600	0.00 1850	00.00 2100	00.00	26000.00 N

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No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	I	Margin (dB)	Detector
1	4873.951	-2.61	52.17	49.56	74.00	-24.44	peak
2	4874.345	-2.61	38.52	35.91	54.00	-18.09	AVG

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant.	Pol.			Vertical								
Test	Mode:			TX N20	Mode 2	437MHz	Z					
Rem	nark:				ort for the oed limit.	emissi	on whic	h mo	re than	20 dl	3 below	the
00.0	dBuV/m			1 1 2 2 2 2 1 1								
								FCC F	Part15 Class	гзм а	hove-16 Pa	a ak
-								1001	dicro cida	0 314 74	5010 1411	- Aux
								FC	C Part15 CI	ass C 3M	l Above-1G	AV
50			1 ×									
			*									
-												
0.0												
100	0.000 350	0.00	6000.0	00 8500.00	11000.0	0 13500	.00 1600	00.00	18500.00	2100	0.00	26000.00 N

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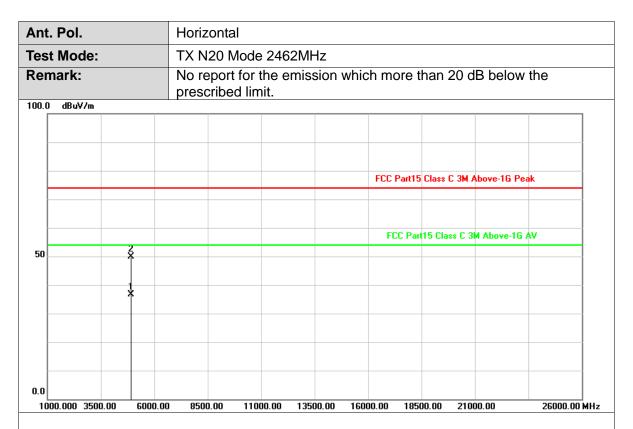
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	l	Margin (dB)	Detector
1	4874.151	-2.61	51.93	49.32	74.00	-24.68	peak
2	4874.410	-2.61	38.19	35.58	54.00	-18.42	AVG

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor







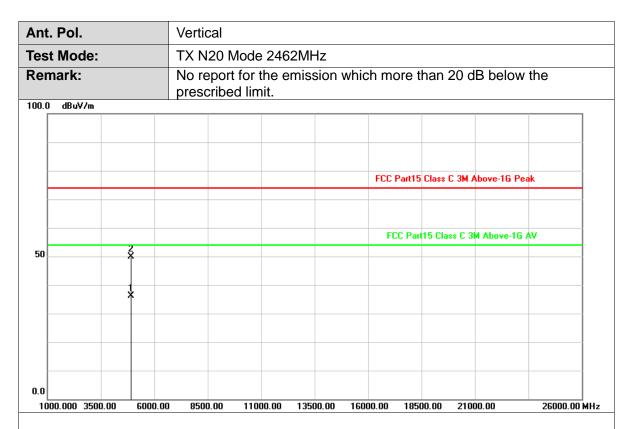
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No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)		Margin (dB)	Detector
1	4924.144	-2.47	39.07	36.60	54.00	-17.40	AVG
2	4924.145	-2.47	52.23	49.76	74.00	-24.24	peak

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor





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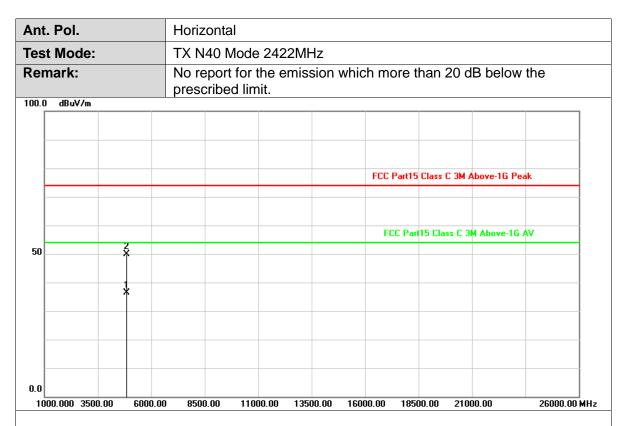
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	l	Margin (dB)	Detector
1	4923.974	-2.47	38.59	36.12	54.00	-17.88	AVG
2	4924.150	-2.47	52.31	49.84	74.00	-24.16	peak

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



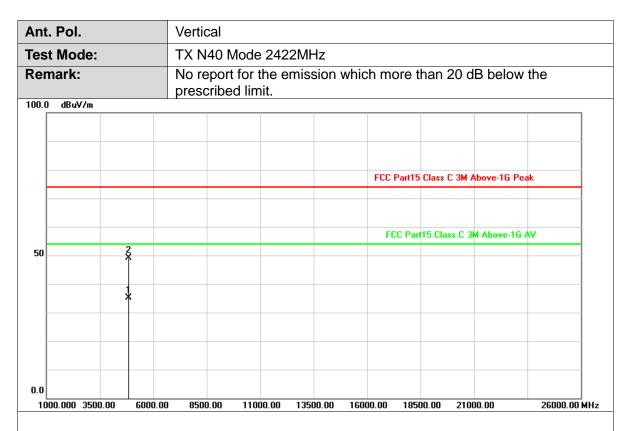




No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4844.151	-2.70	39.00	36.30	54.00	-17.70	AVG
2	4844.481	-2.70	52.66	49.96	74.00	-24.04	peak

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value





No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	l	Margin (dB)	Detector
1	4843.941	-2.70	37.93	35.23	54.00	-18.77	AVG
2	4844.023	-2.70	51.90	49.20	74.00	-24.80	peak

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant. Pol.	Horizontal							
Test Mode:	TX N40 Mode 2437MHz							
Remark:	No report for the emission which more than 20 dB below the prescribed limit.							
100.0 dBuV/m								
	FCC Part15 Class C 3M Above-1G Peak							
	FCC Part15 Class C 3M Above-16 AV							
50 2								
0.0								
1000.000 3500.00 6000.0	00 8500.00 11000.00 13500.00 16000.00 18500.00 21000.00 26000.00 MH							

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	ı	Margin (dB)	Detector
1	4873.841	-2.61	38.92	36.31	54.00	-17.69	AVG
2	4874.041	-2.61	52.19	49.58	74.00	-24.42	peak

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant.	Pol.		Ve	rtical							
Гest	Mode:		TX	TX N40 Mode 2437MHz							
Rem	nark:				for the e	mission	which m	ore than	20 dB belov	w the	
00.0	dBuV/m										
-							FCC	Part15 Class	s C 3M Above-1G F	Peak	
									70 0141 0010 10		
							F	CC Part15 CI	ass C 3M Above-1	G AV	
50		2 X									
		*									
-											
-											
0.0											
100	0.000 3500	.00 600).00 8	3500.00	11000.00	13500.00	16000.00	18500.00	21000.00	26000.00 M	

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	I	Margin (dB)	Detector
1	4873.993	-2.61	38.78	36.17	54.00	-17.83	AVG
2	4874.152	-2.61	52.51	49.90	74.00	-24.10	peak

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant.	Pol.			Horizont	al					
Test	Mode:			TX N40 Mode 2452MHz						
Rem	nark:			No repo		emission	which m	ore than	20 dB belov	w the
100.0	dBuV/m									
							ECC	Part15 Class	C 3M Above-1G F	Dask
-			_				100	T ditt 5 Class	C 3M ADOVE-10 1	GdK
_							F	CC Part15 Cla	ass C 3M Above-1	G AV
50		¥								
		*								
-										
0.0										
100	0.000 3500	0.00	6000.00	8500.00	11000.00	13500.00	16000.00	18500.00	21000.00	26000.00 M

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No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)		Margin (dB)	Detector
1	4904.040	-2.53	52.66	50.13	74.00	-23.87	peak
2	4904.066	-2.53	38.68	36.15	54.00	-17.85	AVG

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Ant.	Pol.			Vertical							
Test	Mode:			TX N40 Mode 2452MHz							
Rem	nark:			No report for the emission which more than 20 dB below the prescribed limit.							
00.0	dBuV/m										
-							FCC	Part15 Class	C 3M Above-1G F	eak eak	
								. arrio orașo	0 011110010 141		
							FC	CC Part15 Cla	ss C 3M Above-1	G AV	
50		×									
		*									
0.0											
100	10.000 350	0.00	6000.00	8500.00	11000.00	13500.00	16000.00	18500.00	21000.00	26000.00 M	

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	l	Margin (dB)	Detector
1	4903.902	-2.53	52.74	50.21	74.00	-23.79	peak
2	4904.012	-2.53	38.83	36.30	54.00	-17.70	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor



Report No.: CTC20211561E04

3.3. Band Edge Emissions (Radiated)

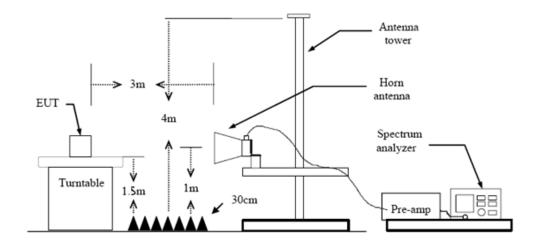
Limit

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (d)/ RSS 247 5.5:

Restricted Frequency Band	(dBuV/m)(at 3m)				
(MHz)	Peak	Average			
2310 ~2390	74	54			
2483.5 ~2500	74	54			

Conducted band edge limit: The highest point of the operating frequency waveform down 20dB

Test Configuration



Test Procedure

- 1. The EUT was setup and tested according to ANSI C63.10:2013 requirements.
- 2. The EUT is placed on a turn table which is 1.5 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
- 3. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.
- 4. The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10:2013 on radiated measurement.
- The receiver set as follow:

RBW=1MHz, VBW=3MHz Peak detector for Peak value.

RBW=1MHz, VBW see note 1 with Peak Detector for Average Value.

Note 1: For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector for average measurements. For the Duty Cycle please refer to clause 3.7 Duty Cycle.

2: Duty Cycle> 98%, VBW=10Hz.

Test Mode

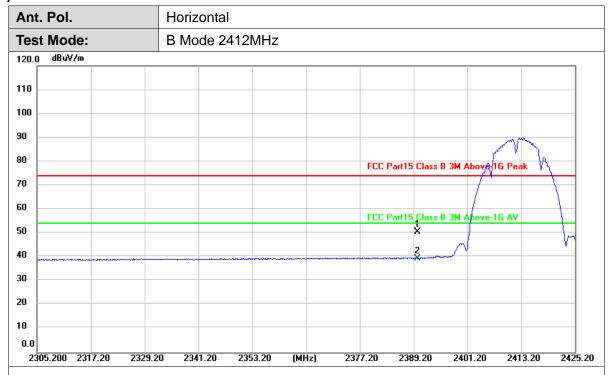
Please refer to the clause 2.4.

Test Results





(1) Radiation Test

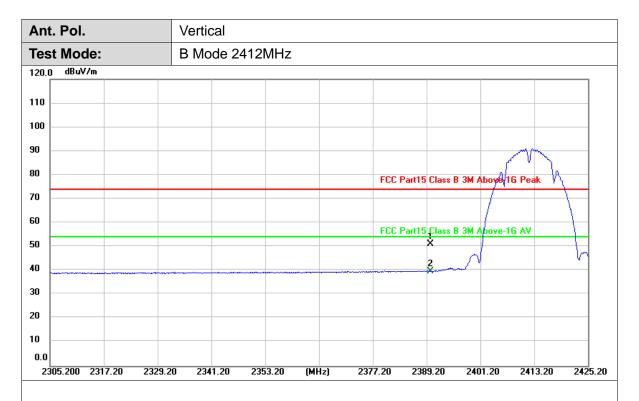


No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)			Detector
1	2390.000	19.36	31.10	50.46	74.00	-23.54	peak
2 *	2390.000	8.44	31.10	39.54	54.00	-14.46	AVG

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

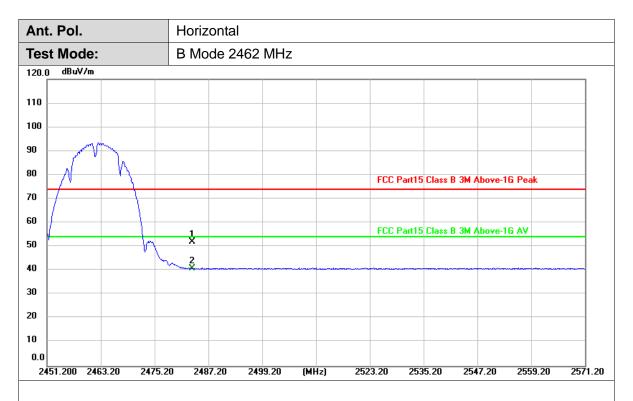




No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)			Detector
1	2390.000	19.98	31.10	51.08	74.00	-22.92	peak
2 *	2390.000	8.59	31.10	39.69	54.00	-14.31	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

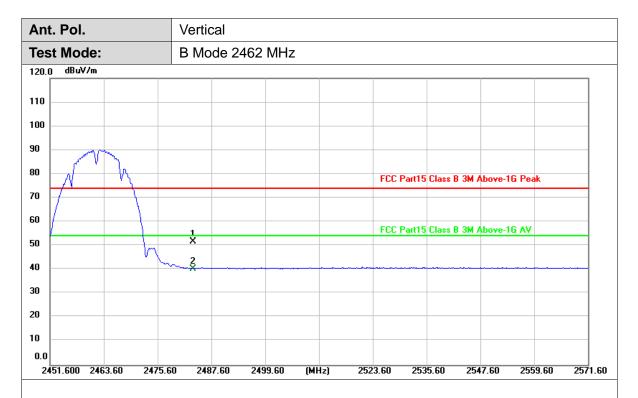




N	No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	2483.500	20.68	31.50	52.18	74.00	-21.82	peak
2	2 *	2483.500	9.44	31.50	40.94	54.00	-13.06	AVG

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value

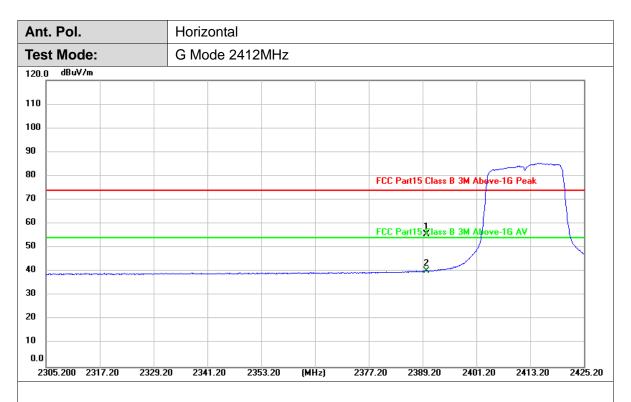




No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)		Margin (dB)	Detector
1	2483.500	20.19	31.50	51.69	74.00	-22.31	peak
2 *	2483.500	9.00	31.50	40.50	54.00	-13.50	AVG

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value

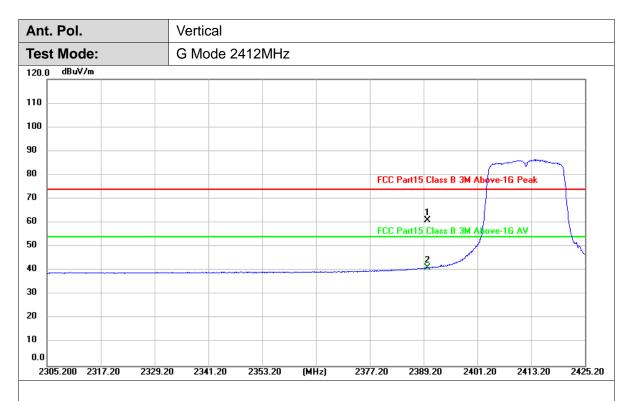




No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	24.42	31.10	55.52	74.00	-18.48	peak
2 *	2390.000	9.19	31.10	40.29	54.00	-13.71	AVG

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value

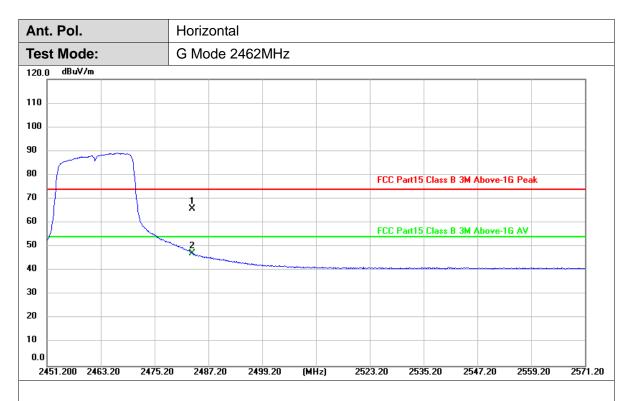




No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	2390.000	30.07	31.10	61.17	74.00	-12.83	peak
2	2390.000	10.07	31.10	41.17	54.00	-12.83	AVG

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

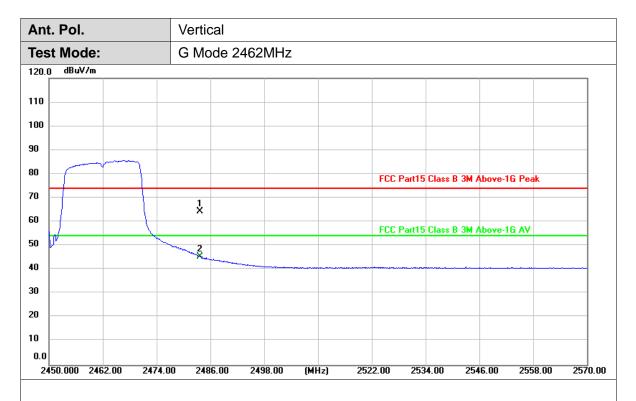




No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)		Margin (dB)	Detector
1	2483.500	34.46	31.50	65.96	74.00	-8.04	peak
2 *	2483.500	15.85	31.50	47.35	54.00	-6.65	AVG

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value

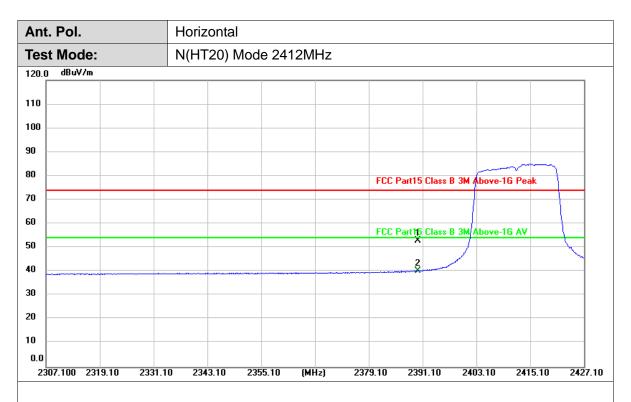




No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	32.80	31.50	64.30	74.00	-9.70	peak
2 *	2483.500	14.00	31.50	45.50	54.00	-8.50	AVG

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value

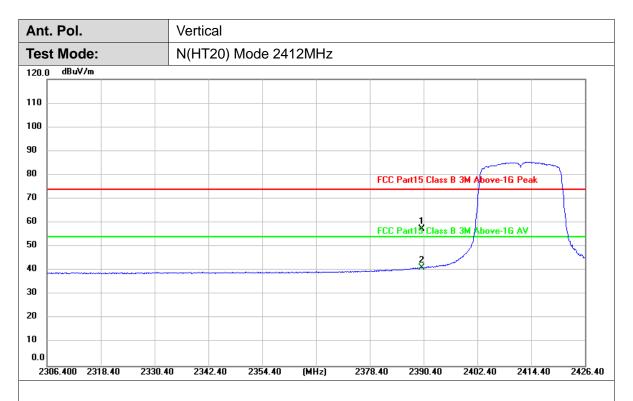




No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	21.90	31.10	53.00	74.00	-21.00	peak
2 *	2390.000	9.31	31.10	40.41	54.00	-13.59	AVG

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value



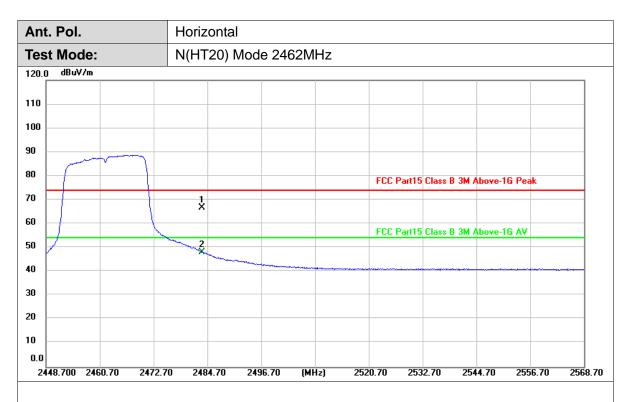


No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)			Detector
1	2390.000	26.49	31.10	57.59	74.00	-16.41	peak
2 *	2390.000	10.26	31.10	41.36	54.00	-12.64	AVG

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value



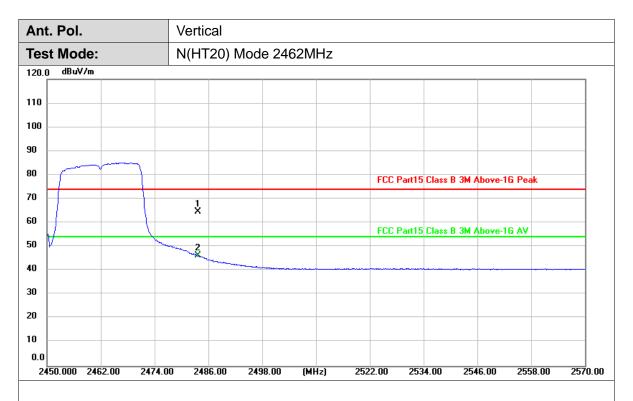




No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)			Detector
1	2483.500	35.36	31.50	66.86	74.00	-7.14	peak
2 *	2483.500	16.70	31.50	48.20	54.00	-5.80	AVG

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value

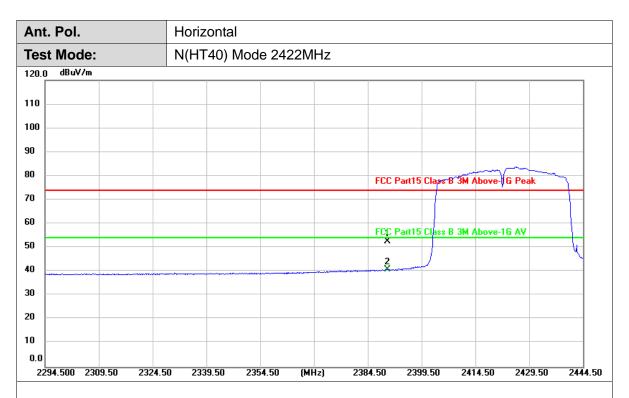




No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector
1	2483.500	33.16	31.50	64.66	74.00	-9.34	peak
2 *	2483.500	14.99	31.50	46.49	54.00	-7.51	AVG

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value

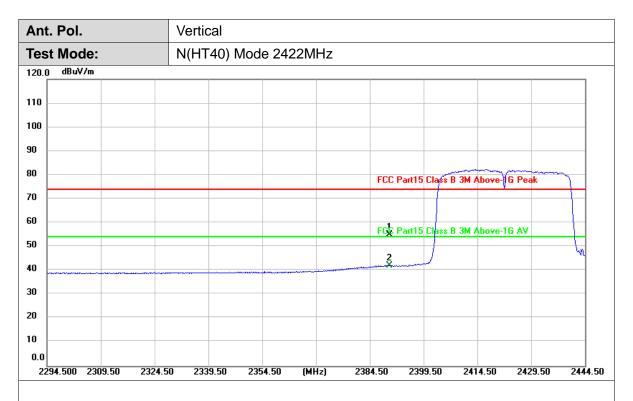




No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2390.000	21.43	31.10	52.53	74.00	-21.47	peak
2 *	2390.000	9.92	31.10	41.02	54.00	-12.98	AVG

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value

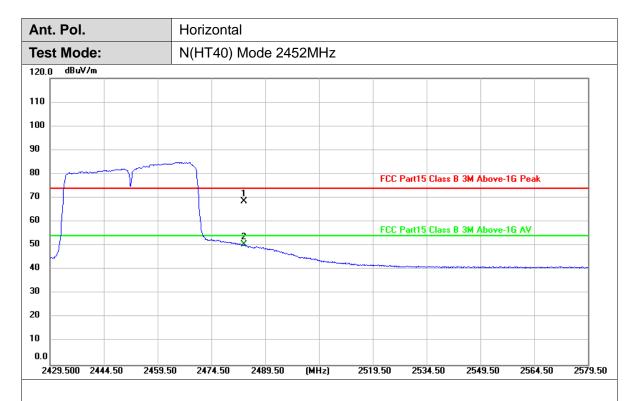




No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)			Detector
1	2390.000	23.97	31.10	55.07	74.00	-18.93	peak
2 *	2390.000	10.93	31.10	42.03	54.00	-11.97	AVG

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value

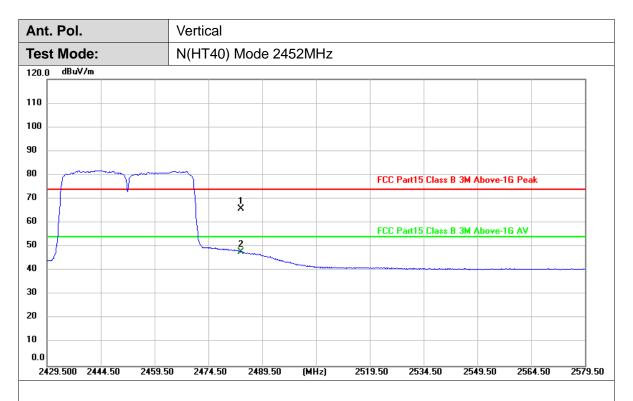




No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	37.04	31.50	68.54	74.00	-5.46	peak
2 *	2483.500	18.92	31.50	50.42	54.00	-3.58	AVG

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value





No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)			Detector
1	2483.500	34.34	31.50	65.84	74.00	-8.16	peak
2 *	2483.500	16.36	31.50	47.86	54.00	-6.14	AVG

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value

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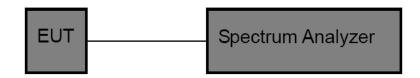


3.4. Band edge and Spurious Emissions (Conducted)

Limit

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (d):In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

Test Configuration



Test Procedure

- 1. The transmitter output was connected to the spectrum analyzer through an attenuator, the path loss was compensated to the results for each measurement.
- 2. Set to the maximum power setting and enable the EUT transmit continuously
- 3. Use the following spectrum analyzer settings: RBW = 100 kHz, VBW ≥ RBW, scan up through 10th harmonic. Sweep = auto, Detector function = peak, Trace = max hold
- 4. Measure and record the results in the test report.

Test Mode

Please refer to the clause 2.4.

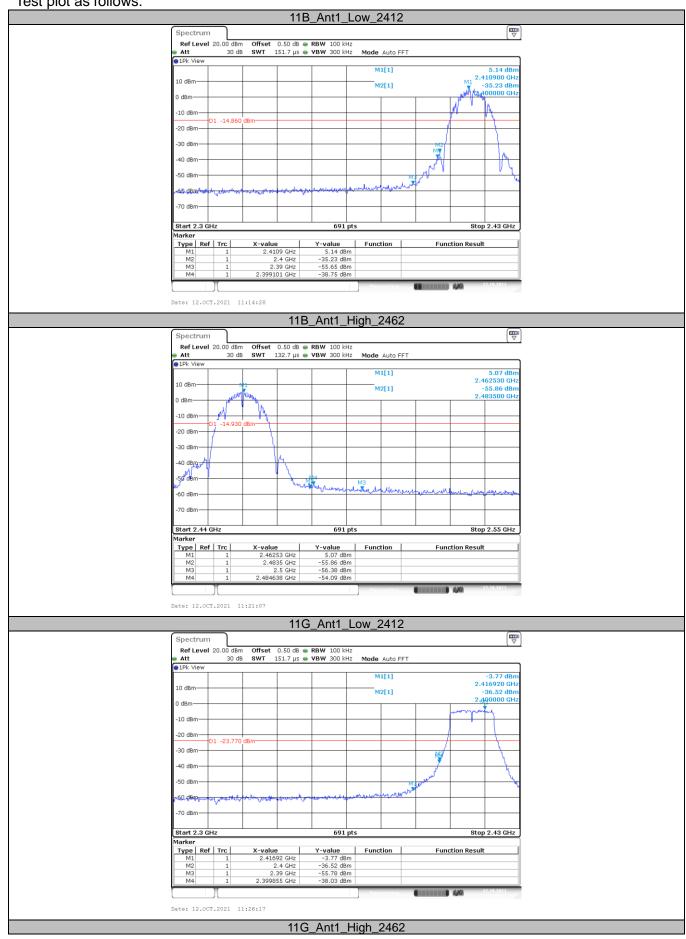
Test Results

(1) Band edge Conducted Test

Test Mode	Antenna	ChName	Frequency (MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.14	-38.75	<=-14.86	PASS
110		High	2462	5.07	-54.09	<=-14.93	PASS
11G	Ant1	Low	2412	-3.77	-38.03	<=-23.77	PASS
116		High	2462	-0.83	-54.20	<=-20.83	PASS
11N20SISO	Ant1	Low	2412	-1.36	-36.83	<=-21.36	PASS
1111203130		High	2462	-0.68	-53.00	<=-20.68	PASS
11N40SISO	Ant1	Low	2422	-4.27	-44.04	<=-24.27	PASS
1111403130		High	2452	-3.32	-48.19	<=-23.32	PASS

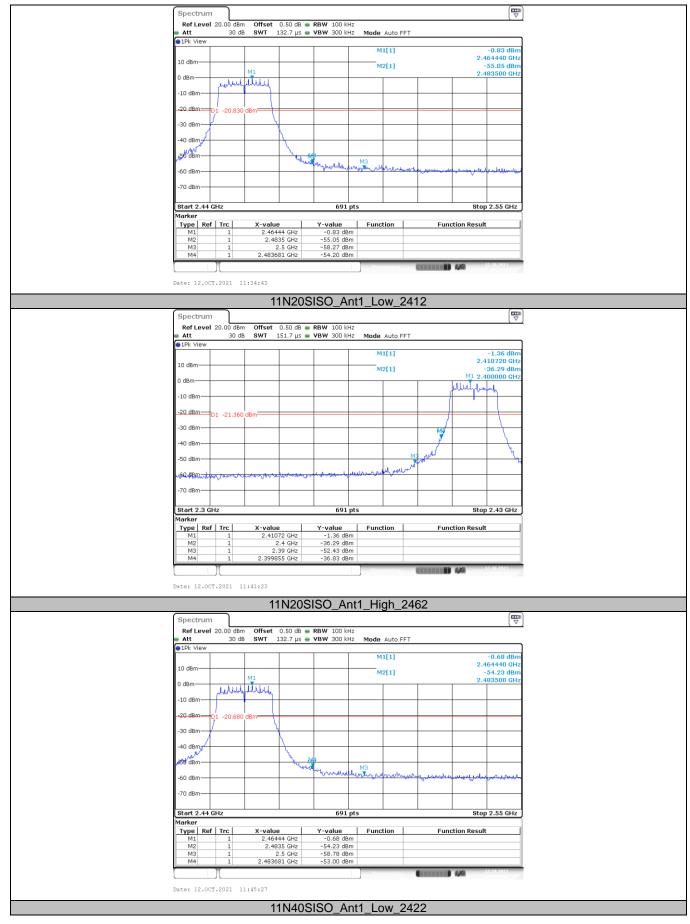


Test plot as follows:

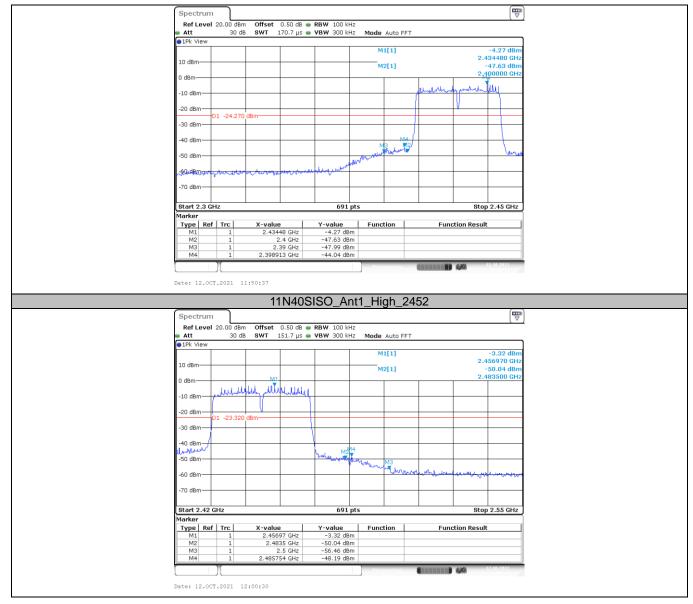


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(2) Conducted Spurious Emissions Test

Test Mode	Antenna	Frequency	FreqRange	RefLevel	Result	Limit	Verdict
		(MHz)	[Mhz]	[dBm]	[dBm]	[dBm]	
		0.440	Reference	5.49	5.49		PASS
		2412	30~1000	30~1000	-71.13	<=-14.51	PASS
			1000~26500	1000~26500	-37.58	<=-14.51	PASS
445			Reference	5.71	5.71		PASS
11B	Ant1	2437	30~1000	30~1000	-71.21	<=-14.29	PASS
			1000~26500	1000~26500	-43.54	<=-14.29	PASS
			Reference	6.09	6.09		PASS
		2462	30~1000	30~1000	-70.89	<=-13.91	PASS
			1000~26500	1000~26500	-43.60	<=-13.91	PASS
			Reference	-1.47	-1.47		PASS
		2412	30~1000	30~1000	-71.06	<=-21.47	PASS
			1000~26500	1000~26500	-36.00	<=-21.47	PASS
	Ant1	2437	Reference	-1.94	-1.94		PASS
11G			30~1000	30~1000	-70.94	<=-21.94	PASS
			1000~26500	1000~26500	-43.63	<=-21.94	PASS
		2462	Reference	-2.04	-2.04		PASS
			30~1000	30~1000	-71.75	<=-22.04	PASS
			1000~26500	1000~26500	-43.55	<=-22.04	PASS
	Ant1	2412	Reference	-1.48	-1.48		PASS
			30~1000	30~1000	-71.57	<=-21.48	PASS
			1000~26500	1000~26500	-33.13	<=-21.48	PASS
		2437 2462	Reference	-0.70	-0.70		PASS
11N20SISO			30~1000	30~1000	-70.82	<=-20.70	PASS
			1000~26500	1000~26500	-42.97	<=-20.70	PASS
			Reference	-0.63	-0.63		PASS
			30~1000	30~1000	-70.95	<=-20.63	PASS
			1000~26500	1000~26500	-43.39	<=-20.63	PASS
		2422	Reference	-3.80	-3.80		PASS
	Ant1		30~1000	30~1000	-69.32	<=-23.80	PASS
			1000~26500	1000~26500	-43.00	<=-23.80	PASS
		2437	Reference	-3.89	-3.89		PASS
11N40SISO			30~1000	30~1000	-71.37	<=-23.89	PASS
			1000~26500	1000~26500	-43.12	<=-23.89	PASS
		2452	Reference	-3.31	-3.31		PASS
			30~1000	30~1000	-70.96	<=-23.31	PASS
			1000~26500	1000~26500	-43.46	<=-23.31	PASS



Test plot as follows:

