

CFR 47 FCC PART 15 SUBPART C ISED RSS-210 ISSUE 9

TEST REPORT

For

TOY Transmitter

MODEL NUMBER: 21HB

FCC ID: G6D21HB

IC: 9650A-21HB

REPORT NUMBER: 4788919394.1-1

ISSUE DATE: May 13, 2019

Prepared for

NEW BRIGHT INDUSTRIAL CO., LTD 9/F., NEW BRIGHT BUILDING, 11 SHEUNG YUET ROAD, KOWLOON BAY, KOWLOON, HONG KONG.

Prepared by

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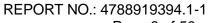
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Revision	History

Rev.	Issue Date	Revisions	Revised By
V0	05/13/2019	Initial Issue	





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Summary of Test Results				
Clause	Test Items	IC Rules	Test Results	
1	20dB Bandwidth and 99% Occupied Bandwidth	CFR 47 FCC 15.249(d) ISED RSS-Gen Clause 6.7	Pass	
2	Radiated emission	CFR 47 FCC §15.249 (a)(d)(e) ISED RSS-210 Clause Annex B B.10 CFR 47 FCC §15.205 and §15.209 RSS-GEN Clause 8.9 RSS-GEN Clause 8.10	Pass	
3	Antenna Requirement	FCC Part 15.203 ISED RSS-Gen Clause 8.3	Pass	



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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: NEW BRIGHT INDUSTRIAL CO., LTD

Address: 9/F., NEW BRIGHT BUILDING, 11 SHEUNG YUET ROAD,

KOWLOON BAY, KOWLOON, HONG KONG.

Manufacturer Information

Company Name: NEW BRIGHT INDUSTRIAL CO., LTD

Address: 9/F., NEW BRIGHT BUILDING, 11 SHEUNG YUET ROAD,

KOWLOON BAY, KOWLOON, HONG KONG.

EUT Description

EUT Name: TOY Transmitter

Model: 21HB

Brand Name: /

Sample Status: Normal

Date of Tested: March 11, 2019 ~ May 13, 2019

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 FCC PART 15 SUBPART C	PASS
ISED RSS-210 Issue 9	PASS
ISED RSS-GEN Issue 5	PASS

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Laboratory Leader

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Laboratory Manager



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2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with KDB 414788 D01 Radiated Test Site v01r01, FCC CFR 47 Part 2, FCC CFR 47 Part 15, ANSI C63.10-2013, ISED RSS-210 Issue 9 and RSS-GEN Issue 5.

3. FACILITIES AND ACCREDITATION

	,
	A2LA (Certificate No.: 4102.01)
	UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.
	has been assessed and proved to be in compliance with A2LA.
	FCC (FCC Designation No.: CN1187)
	UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.
	Has been recognized to perform compliance testing on equipment subject
	to the Commission's Delcaration of Conformity (DoC) and Certification
	rules
Accreditation	IC(Company No.: 21320)
Certificate	UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.
Certificate	has been registered and fully described in a report filed with ISED. The
	Company Number is 21320.
	VCCI (Registration No.: G-20019, R-20004, C-20012 and T-20011)
	UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.
	has been assessed and proved to be in compliance with VCCI, the
	Membership No. is 3793.
	Facility Name:
	Chamber D, the VCCI registration No. is G-20019 and R-20004
	Shielding Room B, the VCCI registration No. is C-20012 and T-20011

Note:

- All tests measurement facilities use to collect the measurement data are located at Building 10, Innovation Technology Park, Song Shan Lake Hi tech Development Zone, Dongguan, 523808, China
- 2. The test anechoic chamber in UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch had been calibrated and compared to the open field sites and the test anechoic chamber is shown to be equivalent to or worst case from the open field site.
- 3. For below 30MHz, lab had performed measurements at test anechoic chamber and comparing to measurements obtained on an open field site. And these measurements below 30MHz had been correlated to measurements performed on an OFS.



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4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

4.2. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Test Item	Uncertainty
Conduction emission	3.62dB
Radiation Emission test(include Fundamental emission) (9KHz-30MHz)	2.2dB
Radiation Emission test(include Fundamental emission) (30MHz-1GHz)	4.00dB
Radiation Emission test	5.78dB (1GHz-18Gz)
(1GHz to 26GHz)(include Fundamental emission)	5.23dB (18GHz-26Gz)

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



5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

EUT Name	TOY Transmitter		
EUT Description	The EUT is a wireless remote controller.		
Model	21HB		
Product Description	Operation Frequency 2410 MHz ~ 2473 MHz		
	Modulation Type GFSK		
Battery	DC 3.0V		

5.2. MAXIMUM OUTPUT POWER

Frequency Range (MHz)	Number of Transmit Chains (NTX)	Frequency (MHz)	Channel Number	Max Power (dBμV/m)
2410 ~ 2473	1	2473	32[32]	92.72

5.3. CHANNEL LIST

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2410	11	2429	21	2450	31	2469
2	2414	12	2430	22	2452	32	2473
3	2415	13	2431	23	2454	/	/
4	2416	14	2433	24	2456	/	/
5	2417	15	2434	25	2458	/	/
6	2418	16	2439	26	2462	/	/
7	2419	17	2441	27	2464	/	/
8	2421	18	2442	28	2465	/	/
9	2426	19	2444	29	2466	/	/
10	2428	20	2446	30	2467	/	/

5.4. DESCRIPTION OF AVAILABLE ANTENNAS

Ant.	Frequency (MHz)	Antenna Type	Antenna Gain (dBi)
1	2410~ 2473	PCB Antenna	1.9

Test Mode	Transmit and Receive Mode	Description
GFSK	⊠1TX, 1RX	Antenna 1 can be used as transmitting/receiving antenna.



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5.5. TEST CHANNEL CONFIGURATION

Test Mode	Test Channel	Frequency
GFSK	CH 1, CH 18, CH 32	2410MHz, 2442MHz, 2473MHz

5.6. THE WORSE CASE POWER SETTING PARAMETER

The Worse Case Power Setting Parameter under 2410 ~ 2473MHz Band					
Test Software /					
Modulation Type	Transmit Antenna		Test Channel		
Wodulation Type	Number	CH 1	CH 18	CH 32	
GFSK	1	Default Default Default			

5.7. TEST ENVIRONMENT

Environment Parameter	Selected Values During Tests			
Relative Humidity	55 ~ 65%			
Atmospheric Pressure:	1025Pa			
Temperature	TN	22 ~ 28°C		
	VL /			
Voltage :	VN	DC 3.0V		
	VH	/		

Note: VL= Lower Extreme Test Voltage

VN= Nominal Voltage

VH= Upper Extreme Test Voltage

TN= Normal Temperature



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5.8. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Item	Equipment	Brand Name	Model Name	P/N
1	/	/	1	/

I/O CABLES

Cable No	Port	Connector Type	Cable Type	Cable Length(m)	Remarks
1	/	/	/	/	/

ACCESSORY

Item	Accessory	Brand Name	Model Name	Description
1	/	/	/	/

TEST SETUP

The EUT have the engineer mode inside.

SETUP DIAGRAM FOR TEST

EUT

Note: New battery was used during all tests.



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5.9. MEASURING INSTRUMENT AND SOFTWARE USED

	Radiated Emissions							
	Instrument							
Used	Equipment	Manufacturer	Мо	del No.	Se	rial No.	Last Cal.	Next Cal.
$\overline{\checkmark}$	MXE EMI Receiver	KESIGHT	N	9038A	MY5	6400036	Dec.10,2018	Dec.10,2019
V	Hybrid Log Periodic Antenna	TDK	HLF	P-3003C	13	30960	Sep.17,2018	Sep.17,2021
$\overline{\checkmark}$	Preamplifier	HP	8	447D	2944	1A09099	Dec.10,2018	Dec.10,2019
V	EMI Measurement Receiver	R&S	Е	SR26	10	01377	Dec.10,2018	Dec.10,2019
V	Horn Antenna	TDK	HR	N-0118	13	30939	Sep.17,2018	Sep.17,2021
V	High Gain Horn Antenna	Schwarzbeck	BBI	HA-9170		691	Aug.18,2018	Aug.18,2021
V	Preamplifier	TDK	PA-	02-0118		S-305- 0066	Dec.10,2018	Dec.10,2019
V	Preamplifier	TDK	P	PA-02-2		S-307- 0003	Dec.10,2018	Dec.10,2019
V	Loop antenna	Schwarzbeck	1	519B	0	8000	Jan.17, 2019	Jan.17,2022
			S	oftware				
Used				Manufact	urer	1	Name	Version
V	Test Software distur	oance		Farac		EZ	Z-EMC	Ver. UL-3A1
				instrumer				
Used	Equipment	Manufacturer	Mo	del No.	Se	rial No.	Last Cal.	Next Cal.
$\overline{\checkmark}$	Spectrum Analyzer	Keysight	N	9030A	MY5	5410512	Dec.10,2018	Dec.10,2019
V	Signal Analyzer	R&S	FSV40		A1	512015	Dec.10,2018	Dec.10,2019
V	Band Reject Filter	Wainwright	WRCJV8- 2350-2400- 2483.5- 2533.5-40SS			4	Dec.10,2018	Dec.10,2019
\checkmark	High Pass Filter	Wi	270	HKX10- 00-3000- 00-40SS		23	Dec.10,2018	Dec.10,2019

6. ANTENNA PORT TEST RESULTS

6.1. ON TIME AND DUTY CYCLE

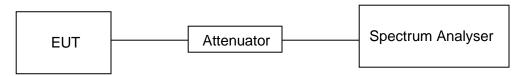
LIMITS

None; for reporting purposes only

PROCEDURE

KDB 558074 Zero-Span Spectrum Analyzer Method

TEST SETUP



RESULTS

	On Time (ms)	Times	Total Ton times (ms)
Ton	0.45	3 x13	17.55

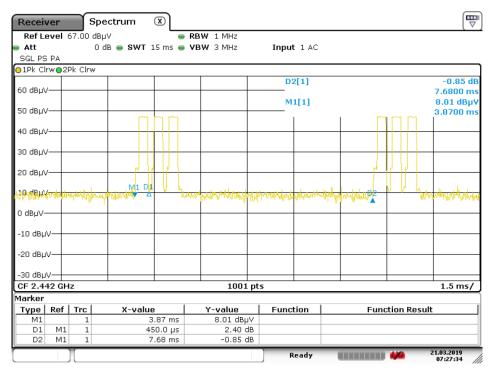
Total Ton times (ms)	Period	Duty Cycle	Duty Cycle
	(ms)	(Linear)	Correction Factor
17.55	100	0.176	-15.10

Note: Duty Cycle Correction Factor=20log(x).

Where: x is Duty Cycle

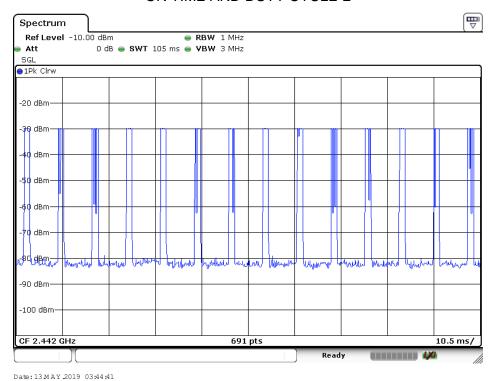


ON TIME AND DUTY CYCLE-1



Date: 21.MAR.2019 07:27:34

ON TIME AND DUTY CYCLE-2



Note: All test modes and buttons has been tested, only the worst data record in the report.



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6.2. 20 dB BANDWIDTH AND 99% OCCUPIED BANDWIDTH

LIMITS

CFR 47 FCC Part15 (15.249) , Subpart C RSS-Gen Issue 5						
Section Test Item Limit Frequency Range (MHz)						
CFR 47 FCC 15.249(d)	CFR 47 FCC 15.249(d) 20dB Bandwidth for reporting purposes only					
ISED RSS-Gen Clause 6.7 Issue 5	99% Occupied Bandwidth	For reporting purposes only.	2400-2483.5			

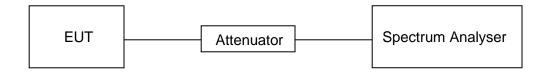
TEST PROCEDURE

Connect the UUT to the spectrum analyser and use the following settings:

Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	1% to 5% of the occupied bandwidth
VBW	approximately 3×RBW
Trace	Max hold
Sweep	Auto couple

Allow the trace to stabilize and 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 20 dB relative to the maximum level measured in the fundamental emission.

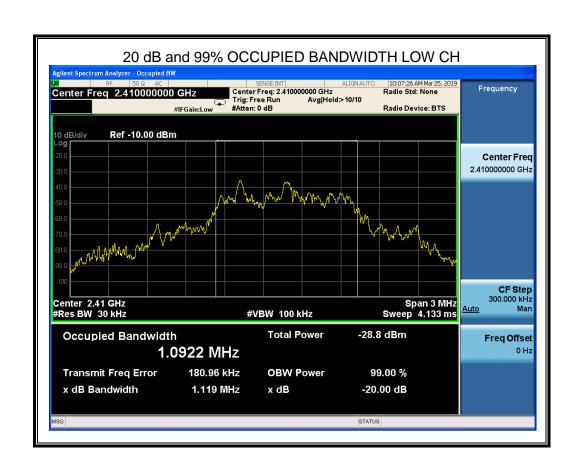
TEST SETUP





RESULTS

Frequency	20dB bandwidth	99% bandwidth	Result
(MHz)	(MHz)	(MHz)	
2410	1.119	1.0922	PASS





Frequency
(MHz)20dB bandwidth
(MHz)99% bandwidth
(MHz)Result24421.1131.1215PASS





Frequency (MHz)

20dB bandwidth (MHz)

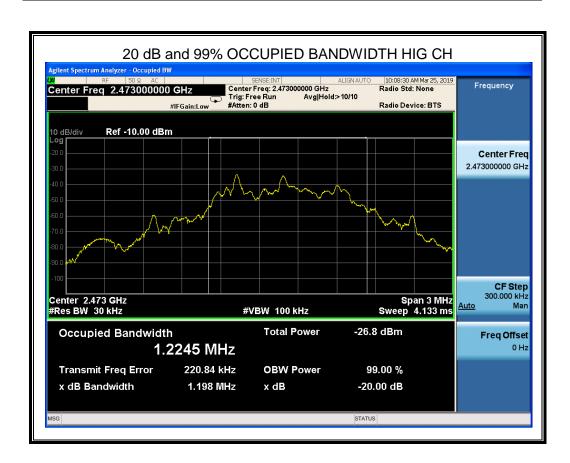
2473

1.198

99% bandwidth (MHz)

Result

PASS





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7. RADIATED TEST RESULTS 7.1. LIMITS AND PROCEDURE

LIMITS

CFR 47 FCC §15.205 and §15.209

CFR 47 FCC §15.249 (a)(d)(e)

ISED RSS-210 Issue 9 Clause Annex B B.10

The field strength of en	The field strength of emissions from intentional radiators operated within these frequency bands							
Frequency (MHz)								
902 - 928	50 mV/m (94dBuV/m)	500 uV/m (54dBuV/m)	3					
2400 – 2483.5	50 mV/m (94dBuV/m)	500 uV/m (54dBuV/m)	3					
5725 – 5875	50 mV/m (94dBuV/m)	500 uV/m (54dBuV/m)	3					

Emissions radiated outside of the specified frequency bands above 30MHz							
Frequency Range	Field Strength Limit	Field Strength Limit					
(MHz)	(uV/m) at 3 m	(dBuV/m	n) at 3 m				
(11112)	(4 7/11) 41 5 111	Quasi-Peak					
30 - 88	100	40					
88 - 216	150	43.5					
216 - 960	200	46					
Above 960	500	54					
Above 1000	500	Peak	Average				
Above 1000	500	74	54				

Emissions radiated outside of the specified frequency bands below 30MHz						
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				



IC Restricted bands please refer to ISED RSS-GEN Clause 8.10

	Table 7 – Restricted frequency bands	Horia 1
MHz	MHz	GHz
0.090 - 0.110	149.9 - 150.05	9.0 - 9.2
0.495 - 0.505	156.52475 - 156.52525	9.3 - 9.5
2.1735 - 2.1905	156.7 - 156.9	10.6 - 12.7
3.020 - 3.026	162.0125 - 167.17	13.25 - 13.4
4.125 - 4.128	167.72 - 173.2	14.47 - 14.5
4.17725 - 4.17775	240 – 285	15.35 - 16.2
4.20725 - 4.20775	322 - 335.4	17.7 - 21.4
5.677 - 5.683	399.9 - 410	22.01 - 23.12
6.215 - 6.218	608 - 614	23.6 - 24.0
6.26775 - 6.26825	990 - 1427	31.2 - 31.8
6.31175 - 6.31225	1435 - 1626.5	36.43 - 36.5
8.291 - 8.294	1645.5 - 1646.5	Above 38.6
8.362 - 8.366	1660 - 1710	
8.37625 - 8.38675	1718.8 - 1722.2	
8.41425 - 8.41475	2200 - 2300	
12.29 - 12.293	2310 - 2390	
12.51975 - 12.52025	2483.5 - 2500	
12.57675 - 12.57725	2655 - 2900	
13.36 - 13.41	3260 - 3267	
16.42 - 16.423	3332 - 3339	
16.69475 - 16.69525	3345.8 × 3358	
16.80425 - 16.80475	3500 - 4400	
25.5 - 25.67	4500 - 5150	
37.5 - 38.25	5350 - 5460	
73 - 74.6	7250 - 7750	
74.8 - 75.2	8025 - 8500	
108 – 138		

Note 1: Certain frequency bands listed in table 7 and in bands above 38.6 GHz are designated for licence-exempt applications. These frequency bands and the requirements that apply to related devices are set out in the 200 and 300 series of RSSs.



FCC Restricted bands of operation:

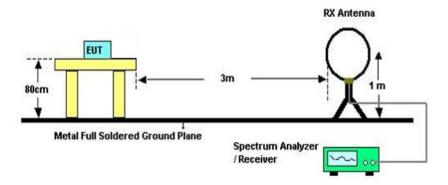
MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	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			

Note: 1 Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz. 2 Above 38.6c



TEST SETUP AND PROCEDURE

Below 30MHz



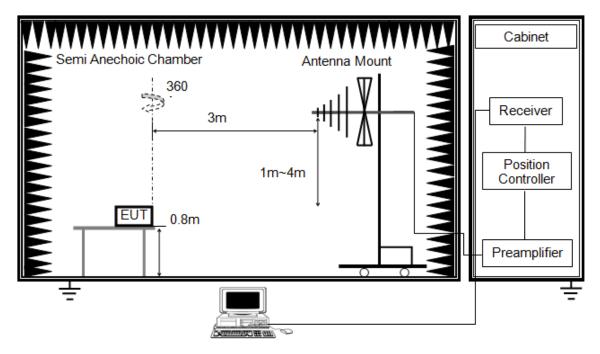
The setting of the spectrum analyser

RBW	200Hz (From 9kHz to 0.15MHz)/ 9KHz (From 0.15MHz to 30MHz)
VBW	200Hz (From 9kHz to 0.15MHz)/ 9KHz (From 0.15MHz to 30MHz)
Sweep	Auto
Detector	Peak/QP/ Average
Trace	Max hold

- 1. The testing follows the guidelines in ANSI C63.10-2013
- 2. The EUT was arranged to its worst case and then 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. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- 3. The EUT was placed on a turntable with 80cm meter above ground.
- 4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
- 5. The radiated emission limits are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.
- 6. For measurement below 1GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. 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.
- 7. Although these tests were performed other than open field site, adequate comparison measurements were confirmed against 30m open field site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field based on KDB 414788.



Below 1G



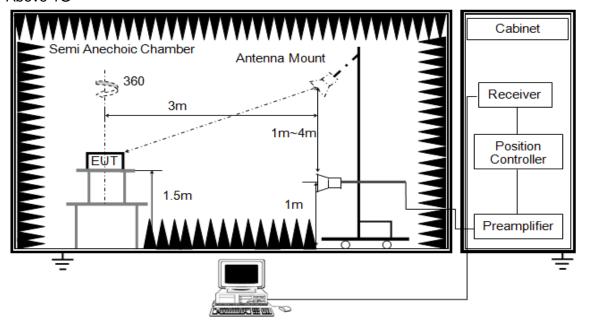
The setting of the spectrum analyser

RBW	120K
VBW	300K
Sweep	Auto
Detector	Peak/QP
Trace	Max hold

- 1. The testing follows the guidelines in ANSI C63.10-2013.
- 2. 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. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- 3. The EUT was placed on a turntable with 80cm above ground.
- 4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
- 5. For measurement below 1GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. 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.



Above 1G



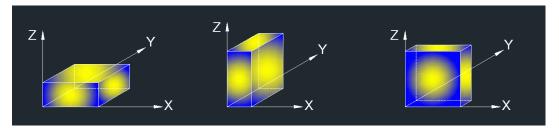
The setting of the spectrum analyser

RBW	1M
IVBW	PEAK: 3M AVG: see note 6
Sweep	Auto
Detector	Peak
Trace	Max hold

- 1. The testing follows the guidelines in ANSI C63.10-2013.
- 2. The EUT was arranged to its worst case and then tune the antenna tower (1.5 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. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- 3. The EUT was placed on a turntable with 80cm above ground.
- 4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
- 5. For measurement above 1GHz, the emission measurement will be measured by the peak detector. This peak level, once corrected, must comply with the limit specified in Section 15.209.
- 6. 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. Where necessary, average emission are determined by applying the Duty Cycle Correction Factor to the peak measurements. For the Duty Cycle and Correction Factor please refer to clause 6.1.ON TIME AND DUTY CYCLE.



X axis, Y axis, Z axis positions:



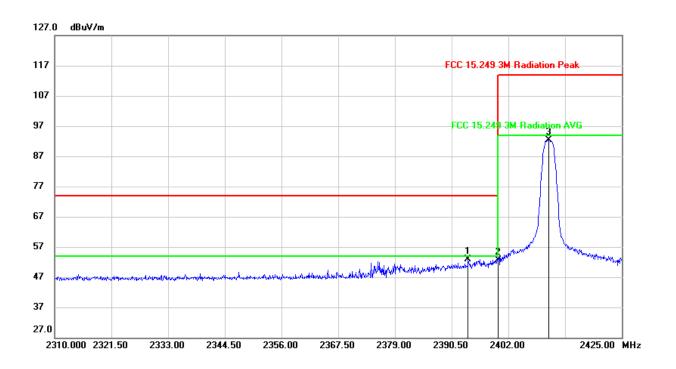
Note 1: For all radiated test, EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.



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7.2. RESTRICTED BANDEDGE AND FIELD STRENGTH OF INTENTIONAL EMISSIONS

RESTRICTED BANDEDGE AND FIELD STRENGTH OF INTENTIONAL EMISSIONS (LOW CHANNEL, HORIZONTAL)

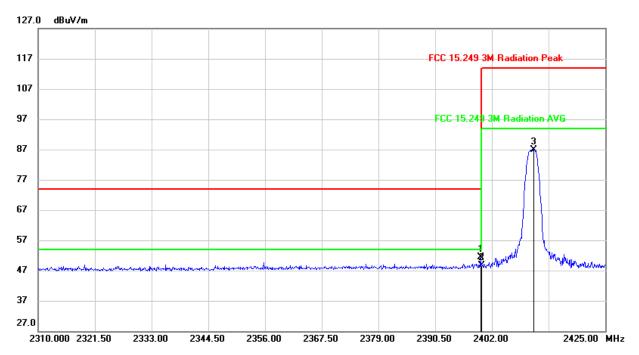


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2393.835	19.83	32.96	52.79	74.00	-21.21	peak
2	2400.000	19.68	32.98	52.66	74.00	-21.34	peak
3	2410.165	59.37	33.05	92.42	114.00	-21.58	peak

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



$\frac{\text{RESTRICTED BANDEDGE AND FIELD STRENGTH OF INTENTIONAL EMISSIONS (LOW CHANNEL,}}{\text{VERTICAL})}$

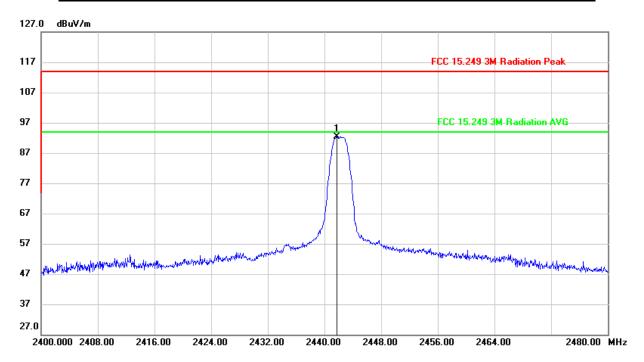


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2399.700	18.40	32.98	51.38	74.00	-22.62	peak
2	2400.000	15.68	32.98	48.66	74.00	-25.34	peak
3	2410.510	53.80	33.06	86.86	114.00	-27.14	peak

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



FIELD STRENGTH OF INTENTIONAL EMISSIONS (MIDDLE CHANNEL, HORIZONTAL)

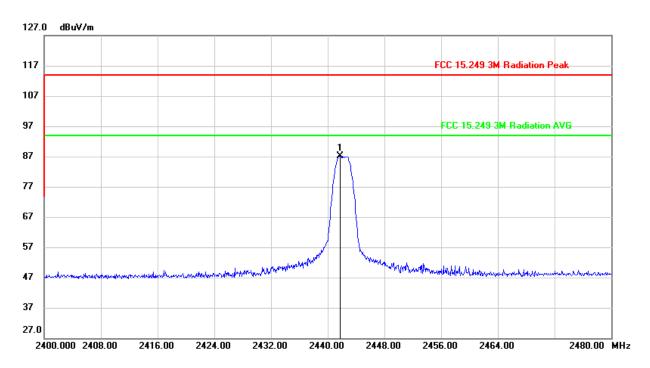


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2441.760	59.02	33.29	92.31	114.00	-21.69	peak

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



FIELD STRENGTH OF INTENTIONAL EMISSIONS (MIDDLE CHANNEL, VERTICAL)

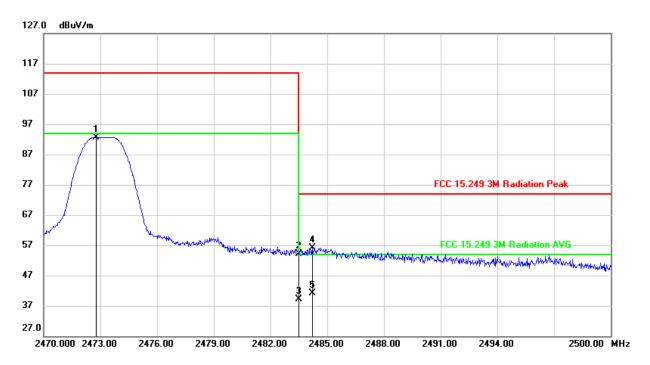


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2441.760	53.85	33.28	87.13	114.00	-26.87	peak

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



RESTRICTED BANDEDGE AND FIELD STRENGTH OF INTENTIONAL EMISSIONS (HIGH CHANNEL, HORIZONTAL)

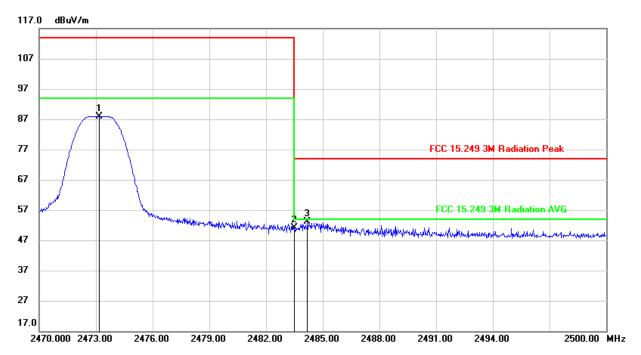


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2472.790	59.22	33.50	92.72	114.00	-21.28	peak
2	2483.500	20.60	33.58	54.18	74.00	-19.82	peak
3	2483.500	20.60	33.58	39.08	54.00	-14.92	AVG
4	2484.220	22.65	33.58	56.23	74.00	-17.77	peak
5	2484.220	22.65	33.58	41.13	54.00	-12.87	AVG

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. AVG Result=Peak Result + Duty Correction Factor.
- 5. For the Duty Cycle and Correction Factor, please refer to clause 6.1.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



RESTRICTED BANDEDGE AND FIELD STRENGTH OF INTENTIONAL EMISSIONS (HIGH CHANNEL, VERTICAL)



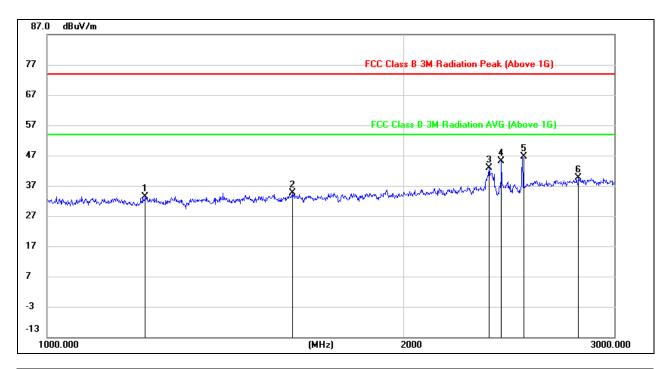
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2473.180	54.39	33.51	87.90	114.00	-26.10	peak
2	2483.500	17.48	33.58	51.06	74.00	-22.94	peak
3	2484.190	19.53	33.58	53.11	74.00	-20.89	peak

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



7.3. SPURIOUS EMISSIONS (1~3GHz)

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)

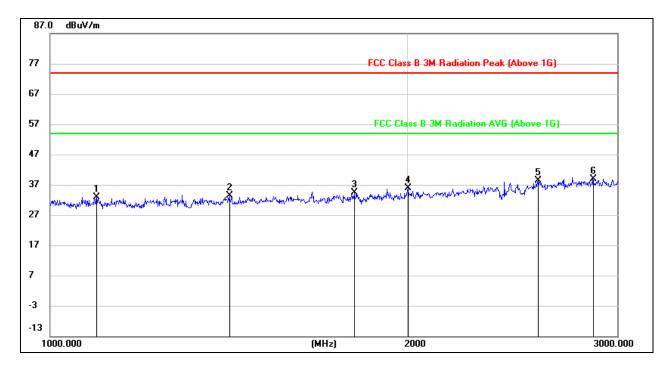


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1210.651	45.81	-12.31	33.50	74.00	-40.50	peak
2	1607.372	45.25	-10.61	34.64	74.00	-39.36	peak
3	2355.888	50.08	-7.28	42.80	74.00	-31.20	peak
4	2410.872	52.05	-7.02	45.03	74.00	-28.97	peak
5	2513.650	53.13	-6.39	46.74	74.00	-27.26	peak
6	2799.385	44.79	-5.21	39.58	74.00	-34.42	peak

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. The Band Reject filter loss factor already add into the correct factor.
- 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.



HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)

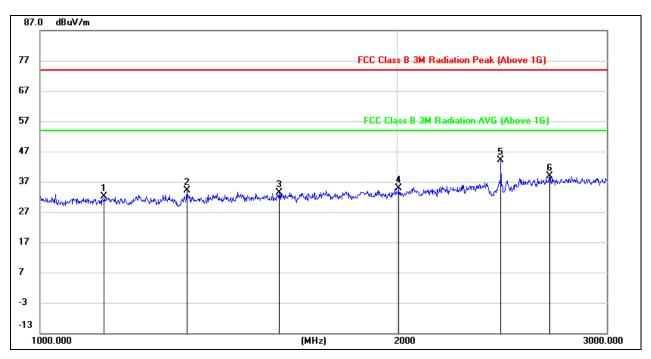


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1094.269	45.39	-12.63	32.76	74.00	-41.24	peak
2	1415.045	45.33	-11.87	33.46	74.00	-40.54	peak
3	1803.907	43.81	-9.42	34.39	74.00	-39.61	peak
4	2002.353	45.53	-9.75	35.78	74.00	-38.22	peak
5	2575.143	45.00	-6.69	38.31	74.00	-35.69	peak
6	2864.720	44.14	-5.17	38.97	74.00	-35.03	peak

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. The Band Reject filter loss factor already add into the correct factor.
- 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.



HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)

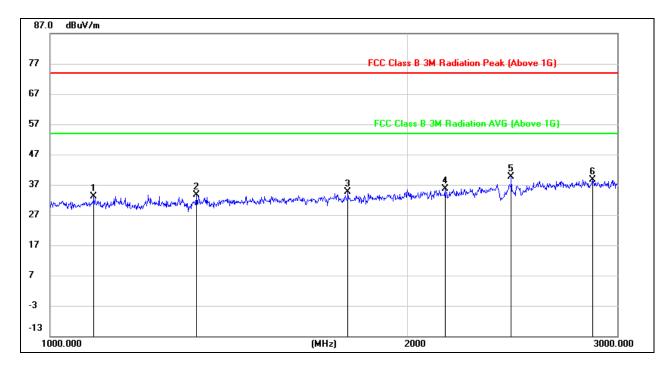


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1133.422	44.62	-12.54	32.08	74.00	-41.92	peak
2	1330.612	45.61	-11.42	34.19	74.00	-39.81	peak
3	1589.810	43.99	-10.71	33.28	74.00	-40.72	peak
4	2004.554	44.71	-9.71	35.00	74.00	-39.00	peak
5	2442.866	50.91	-6.78	44.13	74.00	-29.87	peak
6	2687.875	46.12	-7.34	38.78	74.00	-35.22	peak

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. The Band Reject filter loss factor already add into the correct factor.
- 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.



HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)

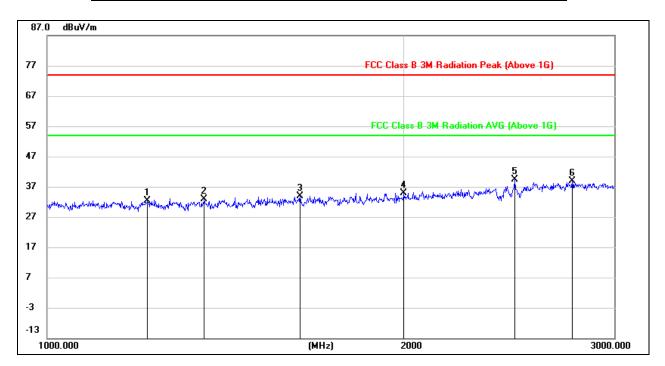


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1088.274	45.91	-12.66	33.25	74.00	-40.75	peak
2	1327.692	45.07	-11.40	33.67	74.00	-40.33	peak
3	1780.281	44.41	-9.67	34.74	74.00	-39.26	peak
4	2148.208	44.06	-8.37	35.69	74.00	-38.31	peak
5	2442.866	46.30	-6.78	39.52	74.00	-34.48	peak
6	2861.574	43.68	-5.16	38.52	74.00	-35.48	peak

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. The Band Reject filter loss factor already add into the correct factor.
- 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.



HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)

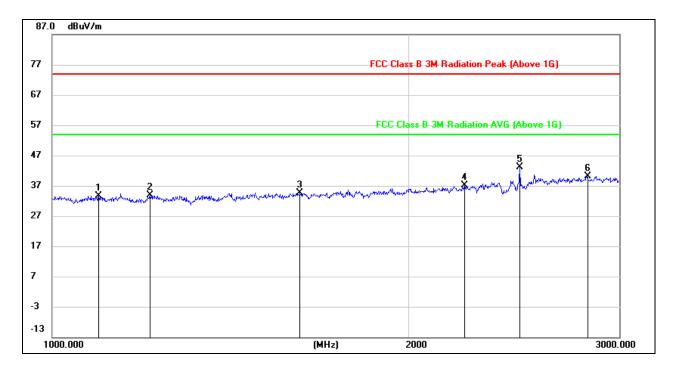


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1214.648	44.72	-12.25	32.47	74.00	-41.53	peak
2	1357.187	44.51	-11.62	32.89	74.00	-41.11	peak
3	1632.285	44.42	-10.64	33.78	74.00	-40.22	peak
4	1997.958	44.68	-9.77	34.91	74.00	-39.09	peak
5	2472.566	45.96	-6.54	39.42	74.00	-34.58	peak
6	2765.759	44.78	-5.95	38.83	74.00	-35.17	peak

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. The Band Reject filter loss factor already add into the correct factor.
- 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.



HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1094.269	46.30	-12.63	33.67	74.00	-40.33	peak
2	1207.994	46.25	-12.35	33.90	74.00	-40.10	peak
3	1616.226	45.24	-10.63	34.61	74.00	-39.39	peak
4	2222.630	45.25	-8.23	37.02	74.00	-36.98	peak
5	2472.566	49.79	-6.54	43.25	74.00	-30.75	peak
6	2820.996	45.33	-5.18	40.15	74.00	-33.85	peak

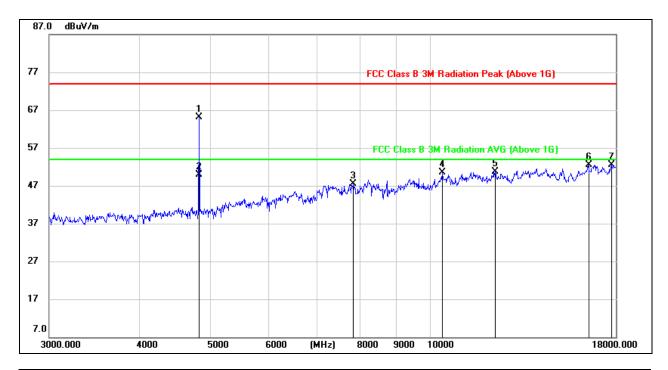
- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. The Band Reject filter loss factor already add into the correct factor.
- 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.



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7.4. SPURIOUS EMISSIONS (3~18GHz)

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)

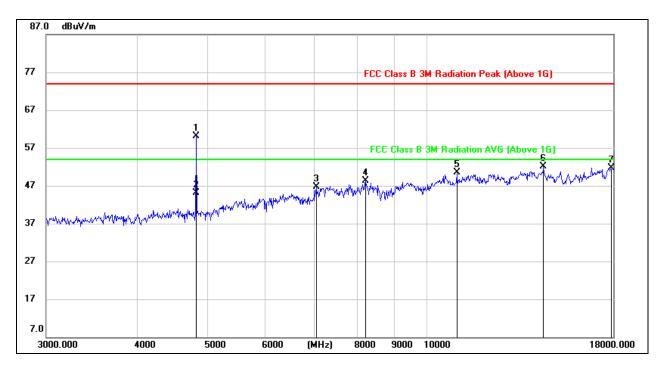


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4820.000	65.27	-0.21	65.06	74.00	-8.94	peak
2	4820.000	65.27	-0.21	49.96	54.00	-4.04	AVG
3	7866.230	38.83	8.59	47.42	74.00	-26.58	peak
4	10421.647	38.96	11.57	50.53	74.00	-23.47	peak
5	12289.276	36.36	14.38	50.74	74.00	-23.26	peak
6	16516.623	33.50	18.97	52.47	74.00	-21.53	peak
7	17743.827	29.77	22.67	52.44	74.00	-21.56	peak

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. AVG Result=Peak Result + Duty Correction Factor.
- 5. For the Duty Cycle and Correction Factor, please refer to clause 6.1.
- 6. The High Pass filter loss factor already add into the correct factor.
- 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.



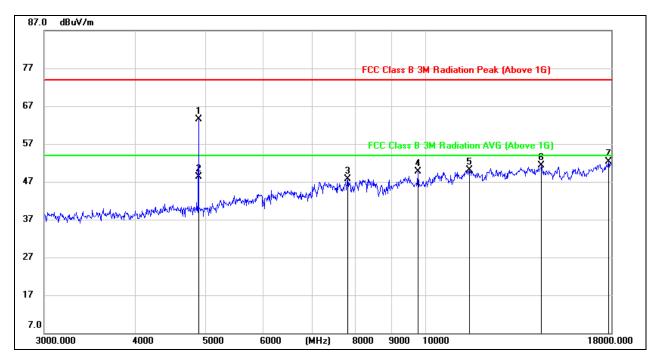
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4820.000	60.38	-0.21	60.17	74.00	-13.83	peak
2	4823.156	60.38	-0.21	45.07	54.00	-8.93	AVG
3	7051.790	39.88	6.81	46.69	74.00	-27.31	peak
4	8226.601	39.03	9.33	48.36	74.00	-25.64	peak
5	10977.483	37.40	13.04	50.44	74.00	-23.56	peak
6	14439.758	35.71	16.39	52.10	74.00	-21.90	peak
7	17935.612	28.53	23.19	51.72	74.00	-22.28	peak

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. AVG Result=Peak Result + Duty Correction Factor.
- 5. For the Duty Cycle and Correction Factor, please refer to clause 6.1.
- 6. The High Pass filter loss factor already add into the correct factor.
- 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)

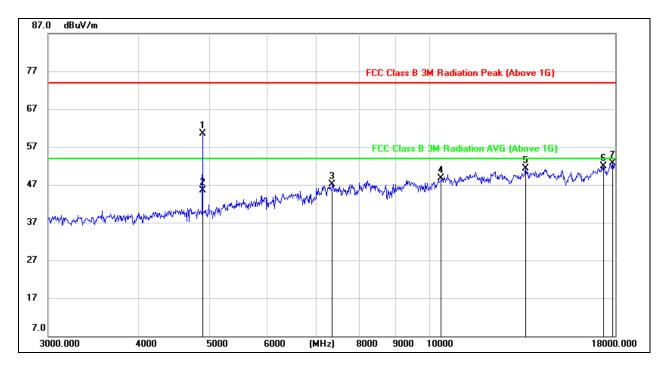


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4884.031	63.60	-0.12	63.48	74.00	-10.52	peak
2	4884.031	63.60	-0.12	48.38	54.00	-5.62	AVG
3	7824.060	38.99	8.77	47.76	74.00	-26.24	peak
4	9770.638	39.60	10.15	49.75	74.00	-24.25	peak
5	11500.976	35.96	14.08	50.04	74.00	-23.96	peak
6	14439.758	34.90	16.39	51.29	74.00	-22.71	peak
7	17839.462	29.11	23.21	52.32	74.00	-21.68	peak

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. AVG Result=Peak Result + Duty Correction Factor.
- 5. For the Duty Cycle and Correction Factor, please refer to clause 6.1.
- 6. The High Pass filter loss factor already add into the correct factor.
- 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.



HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)

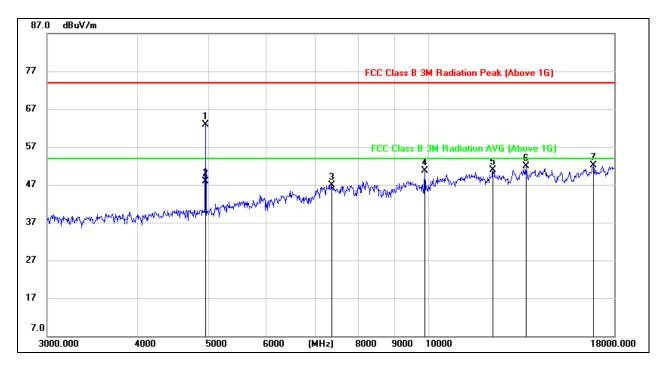


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4884.031	60.64	-0.12	60.52	74.00	-13.48	peak
2	4884.031	60.64	-0.12	45.42	54.00	-8.58	AVG
3	7361.648	39.68	7.36	47.04	74.00	-26.96	peak
4	10384.368	37.16	11.54	48.70	74.00	-25.30	peak
5	13586.349	35.36	16.03	51.39	74.00	-22.61	peak
6	17335.299	30.06	21.75	51.81	74.00	-22.19	peak
7	17839.462	29.40	23.21	52.61	74.00	-21.39	peak

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. AVG Result=Peak Result + Duty Correction Factor.
- 5. For the Duty Cycle and Correction Factor, please refer to clause 6.1.
- 6. The High Pass filter loss factor already add into the correct factor.
- 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.



HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)

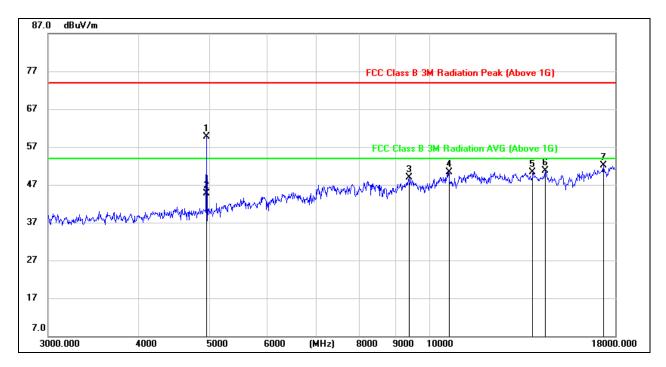


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4945.674	62.81	0.17	62.98	74.00	-11.02	peak
2	4945.674	62.81	0.17	47.88	54.00	-6.12	AVG
3	7374.850	39.50	7.39	46.89	74.00	-27.11	peak
4	9911.700	40.07	10.55	50.62	74.00	-23.38	peak
5	12267.276	36.56	14.34	50.90	74.00	-23.10	peak
6	13610.714	35.87	16.06	51.93	74.00	-22.07	peak
7	16845.384	32.25	19.92	52.17	74.00	-21.83	peak

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. AVG Result=Peak Result + Duty Correction Factor.
- 5. For the Duty Cycle and Correction Factor, please refer to clause 6.1.
- 6. The High Pass filter loss factor already add into the correct factor.
- 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.



HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)



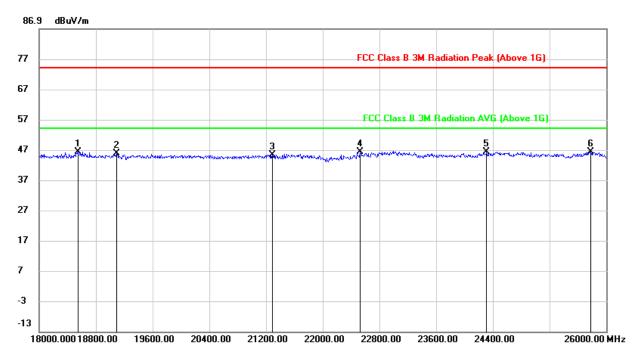
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4945.674	59.60	0.17	59.77	74.00	-14.23	peak
2	4945.674	59.60	0.17	44.67	54.00	-9.33	AVG
3	9376.170	38.70	10.15	48.85	74.00	-25.15	peak
4	10648.151	37.87	12.51	50.38	74.00	-23.62	peak
5	13881.633	34.00	16.29	50.29	74.00	-23.71	peak
6	14439.758	34.23	16.39	50.62	74.00	-23.38	peak
7	17335.299	30.34	21.75	52.09	74.00	-21.91	peak

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. AVG Result=Peak Result + Duty Correction Factor.
- 5. For the Duty Cycle and Correction Factor, please refer to clause 6.1.
- 6. The High Pass filter loss factor already add into the correct factor.
- 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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<u>HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, WORST-CASE CONFIGURATION, HORIZONTAL)</u>

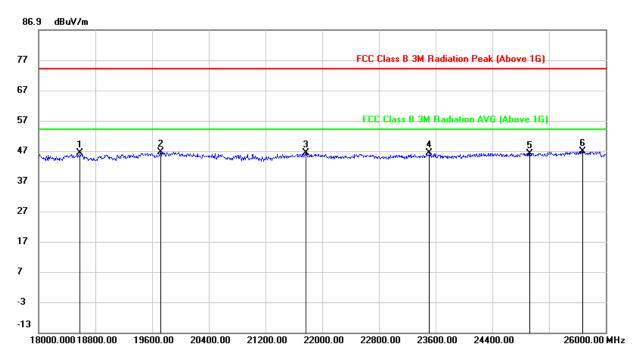


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	18544.000	50.76	-4.46	46.30	74.00	-27.70	peak
2	19088.000	50.75	-4.95	45.80	74.00	-28.20	peak
3	21288.000	50.82	-5.55	45.27	74.00	-28.73	peak
4	22528.000	52.16	-5.79	46.37	74.00	-27.63	peak
5	24312.000	49.60	-3.35	46.25	74.00	-27.75	peak
6	25784.000	47.73	-1.49	46.24	74.00	-27.76	peak

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.



<u>HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, WORST-CASE CONFIGURATION, VERTICAL)</u>



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	18584.000	50.69	-4.53	46.16	74.00	-27.84	peak
2	19720.000	51.00	-4.39	46.61	74.00	-27.39	peak
3	21768.000	52.17	-5.79	46.38	74.00	-27.62	peak
4	23512.000	51.01	-4.76	46.25	74.00	-27.75	peak
5	24928.000	47.47	-1.32	46.15	74.00	-27.85	peak
6	25672.000	48.23	-1.48	46.75	74.00	-27.25	peak

Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Peak: Peak detector.

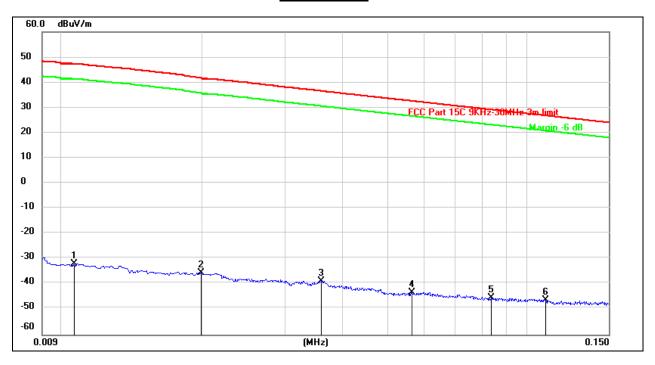
Note: All test mode has been tested, only the worst data record in the report.



7.6. SPURIOUS EMISSIONS BELOW 30M

SPURIOUS EMISSIONS (HIGH CHANNEL, LOOP ANTENNA FACE ON TO THE EUT, WORST-CASE CONFIGURATION)

9kHz~ 150kHz



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.0106	69.38	-101.39	-32.01	47.24	-79.25	peak
2	0.0198	65.78	-101.34	-35.56	41.70	-77.26	peak
3	0.0359	62.72	-101.42	-38.70	36.59	-75.29	peak
4	0.0563	58.16	-101.51	-43.35	32.62	-75.97	peak
5	0.0839	56.26	-101.67	-45.41	29.14	-74.55	peak
6	0.1100	55.42	-101.77	-46.35	26.78	-73.13	peak

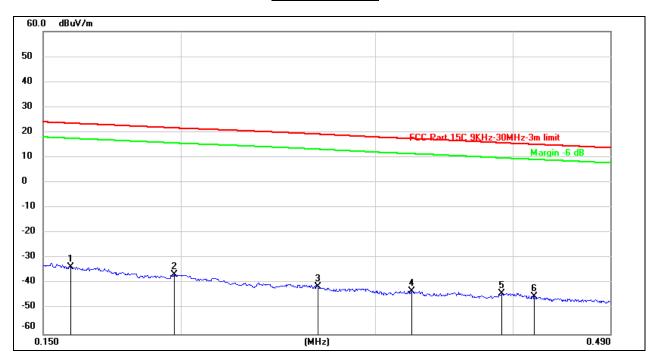
Note: 1. Measurement = Reading Level + Correct Factor.

- 2. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.
- 3. All 3 polarizations(Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.

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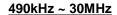
150kHz ~ 490kHz

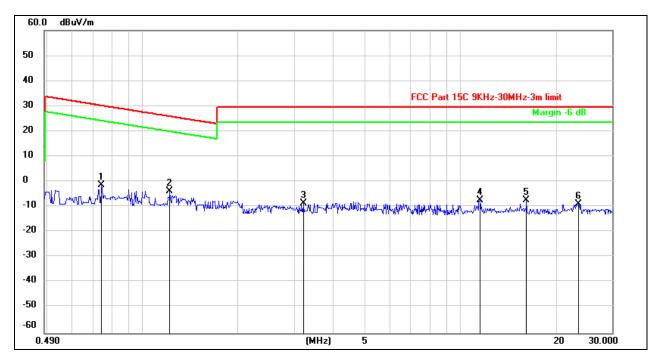


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.1590	68.32	-101.65	-33.33	23.58	-56.91	peak
2	0.1973	65.14	-101.71	-36.57	21.70	-58.27	peak
3	0.2661	60.48	-101.82	-41.34	19.25	-60.59	peak
4	0.3240	58.87	-101.88	-43.01	17.46	-60.47	peak
5	0.3911	58.01	-101.95	-43.94	15.78	-59.72	peak
6	0.4183	56.97	-101.98	-45.01	15.20	-60.21	peak

- 2. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.
- 3. All 3 polarizations(Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.







No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.7425	60.73	-62.11	-1.38	30.21	-31.59	peak
2	1.2159	58.47	-62.17	-3.70	25.91	-29.61	peak
3	3.2048	53.02	-61.53	-8.51	29.54	-38.05	peak
4	11.5266	53.42	-60.86	-7.44	29.54	-36.98	peak
5	16.1598	53.61	-60.97	-7.36	29.54	-36.90	peak
6	23.4783	51.74	-60.56	-8.82	29.54	-38.36	peak

Note: 1. Measurement = Reading Level + Correct Factor.

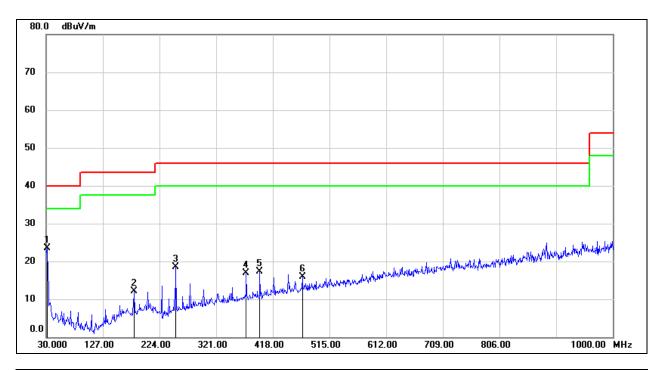
- 2. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.
- 3. All 3 polarizations(Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.

Note: All test mode has been tested, only the worst data record in the report.



7.7. SPURIOUS EMISSIONS BELOW 1 GHz

SPURIOUS EMISSIONS (HIGH CHANNEL, WORST-CASE CONFIGURATION, HORIZONTAL)



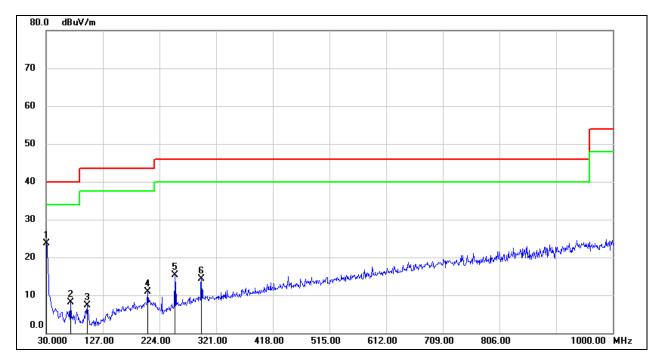
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	31.9400	40.63	-17.09	23.54	40.00	-16.46	QP
2	180.3500	28.67	-16.50	12.17	43.50	-31.33	QP
3	252.1300	34.24	-15.71	18.53	46.00	-27.47	QP
4	372.4100	29.31	-12.41	16.90	46.00	-29.10	QP
5	395.6900	29.36	-12.11	17.25	46.00	-28.75	QP
6	468.4400	26.61	-10.70	15.91	46.00	-30.09	QP

Note: 1. Result Level = Read Level + Correct Factor.

- 2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
- 3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

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SPURIOUS EMISSIONS (HIGH CHANNEL, WORST-CASE CONFIGURATION, VERTICAL)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	30.9700	40.66	-16.94	23.72	40.00	-16.28	QP
2	71.7100	28.21	-20.07	8.14	40.00	-31.86	QP
3	99.8399	29.02	-21.62	7.40	43.50	-36.10	QP
4	203.6300	26.49	-15.61	10.88	43.50	-32.62	QP
5	250.1900	31.03	-15.76	15.27	46.00	-30.73	QP
6	295.7800	27.96	-13.73	14.23	46.00	-31.77	QP

Note: 1. Result Level = Read Level + Correct Factor.

2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.

3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto

Note: All test mode has been tested, only the worst data record in the report.



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8. ANTENNA REQUIREMENTS

APPLICABLE REQUIREMENTS

Please refer to FCC §15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Please refer to FCC §15.247(b)(4)

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

RESULTS

Complies

END OF REPORT