

#### **CFR 47 FCC PART 15 SUBPART C**

#### **TEST REPORT**

For

#### Air Combat/Air Battle HELI WFLIGHTSTICK

PL-0305

FCC ID: 2ASK3PL-0305T

REPORT NUMBER: 4789041432.1-1

**ISSUE DATE: June 18, 2019** 

# Prepared for

# AMAX INDUSTRIAL GROUP CHINA CO.,LTD OFFICE NO.3 10/F WITTY COMMERCIAL BUILDING 1A-1L TUNG CHOI STREET MONGKOK KOWLOON HONG KONG.

#### Prepared by

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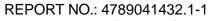
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# **Revision History**

Rev.	Issue Date	Revisions	Revised By
V0	06/18/2019	Initial Issue	





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Summary of Test Results					
Clause	lause Test Items FCC Rules		Test Results		
1	20dB Bandwidth and 99% Occupied Bandwidth	CFR 47 FCC 15.249(d)	Pass		
2	Radiated emission	CFR 47 FCC §15.249 (a)(d)(e) CFR 47 FCC §15.205 and §15.209	Pass		
3	Antenna Requirement	FCC Part 15.203	Pass		



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# 1. ATTESTATION OF TEST RESULTS

**Applicant Information** 

Company Name: AMAX INDUSTRIAL GROUP CHINA CO.,LTD

Address: OFFICE NO.3 10/F WITTY COMMERCIAL BUILDING 1A-1L TUNG CHOI STREET MONGKOK KOWLOON HONG KONG

**Manufacturer Information** 

Company Name: AMAX INDUSTRIAL GROUP CHINA CO.,LTD

Address: OFFICE NO.3 10/F WITTY COMMERCIAL BUILDING 1A-1L

TUNG CHOI STREET MONGKOK KOWLOON HONG KONG

Shemy les

**EUT Description** 

**EUT Name:** Air Combat/ Air Battle HELI WFLIGHTSTICK

Model: PL-0305 Sample Status: Normal

Sample Received Date: May 22, 2019

Date of Tested: May 22, 2019 ~ June 18, 2019

APPLICABLE STANDARDS		
STANDARD TEST RESULTS		
CFR 47 FCC PART 15 SUBPART C	PASS	

Prepared By: Checked By:

**Denny Huang** 

Shawn Wen **Engineer Project Associate** Laboratory Leader

Approved By:

Stephen Guo

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 C63.10-2014.

# 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
A coreditation	IC(Company No.: 21320)
Accreditation 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:

- 1. 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.



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# 5. EQUIPMENT UNDER TEST

# 5.1. DESCRIPTION OF EUT

EUT Name	Air Combat/Air Battle HELI WFLIGHTSTICK		
EUT Description	The EUT is a wireless remote controller for drone.		
Model	PL-0305		
Product Description	Operation Frequency 2415 MHz ~ 2472 MH		
	Modulation Type GFSK		
Battery	DC 6.0V		

# **5.2. MAXIMUM OUTPUT POWER**

Frequency Range (MHz)	Number of Transmit Chains (NTX)	Frequency (MHz)	Channel Number	Max Power (dBµV/m)
2415 ~ 2472	1	2472	3[3]	87.32

#### 5.3. CHANNEL LIST

Channel	Frequency (MHz)	Channel	Frequency(MHz)	Channel	Frequency (MHz)
1	2415	2	2450	3	2472

# 5.4. DESCRIPTION OF AVAILABLE ANTENNAS

Ant.	Frequency (MHz)	Antenna Type	Antenna Gain (dBi)
1	2415 ~ 2472	Line Antenna	2

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

# 5.5. TEST CHANNEL CONFIGURATION

Test Mode	Test Channel	Frequency
GFSK	CH 1, CH 2, CH 3	2415MHz, 2450MHz, 2472MHz



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# 5.6. THE WORSE CASE POWER SETTING PARAMETER

The Worse Case Power Setting Parameter under 2415 ~ 2472MHz Band				
Test Software /				
Modulation Type	Transmit Antenna	Test Channel		
Woodilation Type	Number	CH 1	CH 2	CH 3
GFSK	1	Default	Default	Default

# 5.7. TEST ENVIRONMENT

Environment Parameter	Selected Values During Tests			
Relative Humidity	55	5 ~ 65%		
Atmospheric Pressure:	1025Pa			
Temperature	TN	22 ~ 28°C		
	VL	/		
Voltage :	VN	DC 6.0V		
	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	/	/	/	/

# **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 engineering 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

Conducted Emissions									
			ln:	stru	ment				
Used		Manufacturer	Mo	del	No.	Sei	ial No.	Last Cal.	Next Cal.
V	EMI Test Receiver	R&S	l	ESF	3	10	1961	Dec.10,2018	Dec.10,2019
V	Two-Line V- Network	R&S	Е	NV2	216	10	1983	Dec.10,2018	Dec.10,2019
V	Artificial Mains Networks	Schwarzbeck	NS	LK 8	8126	81	26465	Dec.10,2018	Dec.10,2019
			S	oftv	vare				
Used		cription				ufactu	ırer	Name	Version
$\overline{\mathbf{V}}$	Test Software for C					arad		EZ-EMC	Ver. UL-3A1
		Ra			Emissi	ons			
		B.4			ment				N
Used		Manufacturer			No.		ial No.	Last Cal.	Next Cal.
$\overline{\mathbf{V}}$	MXE EMI Receiver	KESIGHT	N	903	88A	MY5	5400036	Dec.10,2018	Dec.10,2019
V	Hybrid Log Periodic Antenna	TDK	HLI	<b>-</b> 3(	003C	13	80960	Sep.17,2018	Sep.17,2021
$\checkmark$	Preamplifier	HP	8	3447	7D	2944	A09099	Dec.10,2018	Dec.10,2019
V	EMI Measurement Receiver	R&S	ESR26		10	)1377	Dec.10,2018	Dec.10,2019	
	Horn Antenna	TDK	HR	N-C	0118	13	30939	Sep.17,2018	Sep.17,2021
<b>V</b>	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	A-0	2-2		S-307- 0003	Dec.10,2018	Dec.10,2019
V	Loop antenna	Schwarzbeck	1	519	9B	0	8000	Jan.17, 2019	Jan.17,2022
			S		ware				
Used	Descr			Ma	anufact	turer		Name	Version
V	Test Software distur				Farac	b	E.	Z-EMC	Ver. UL-3A1
		1			trume				
Used	Equipment	Manufacturer	Mc	del	No.	Sei	ial No.	Last Cal.	Next Cal.
$\checkmark$	Spectrum Analyzer	Keysight	N	903	30A	MY5	5410512	Dec.10,2018	Dec.10,2019
<b>V</b>	Band Reject Filter	Wainwright	235 2	50-2 483	JV8- 2400- 3.5- 40SS		4	Dec.10,2018	Dec.10,2019
<b>V</b>	High Pass Filter	Wi	270	0-3	K10- 8000- 40SS		23	Dec.10,2018	Dec.10,2019



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# **6. ANTENNA PORT TEST RESULTS**

#### ON TIME AND DUTY CYCLE 6.1.

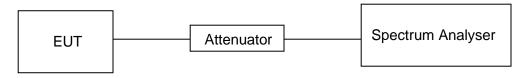
#### **LIMITS**

None; for reporting purposes only

# **PROCEDURE**

KDB 558074 Zero-Span Spectrum Analyzer Method

#### **TEST SETUP**



#### **RESULTS**

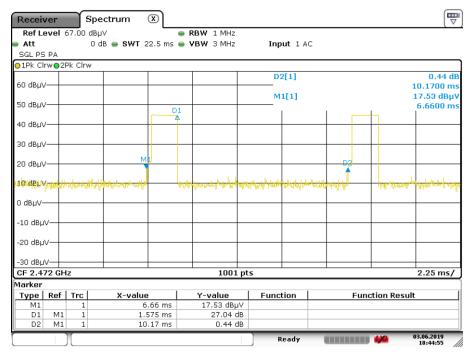
Mod	е	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (db)
GFS	K	14.175	100	0.142	14.2	-16.95

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

Where: x is Duty Cycle

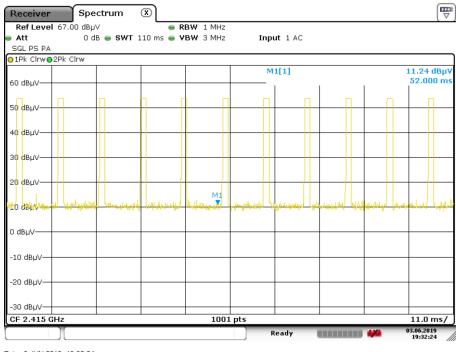


#### ON TIME AND DUTY CYCLE PLOT-1



#### Date: 3.JUN.2019 18:44:55

#### ON TIME AND DUTY CYCLE PLOT-2



Date: 3.JUN.2019 19:32:24

Note: All the modes and buttons had been tested, but only the worst data recorded 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				
Section Test Item Limit Frequency Rang (MHz)				
CFR 47 FCC 15.249(d)	20dB Bandwidth	for reporting purposes only	2400-2483.5	

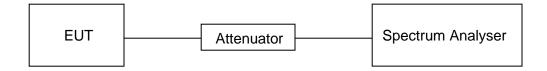
#### **TEST PROCEDURE**

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

Center Frequency	The centre 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**

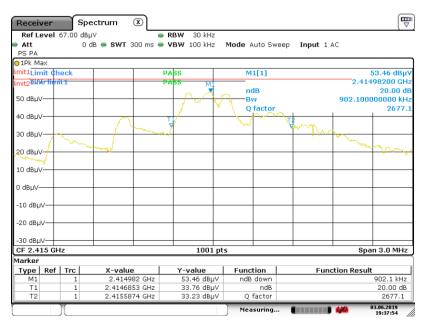




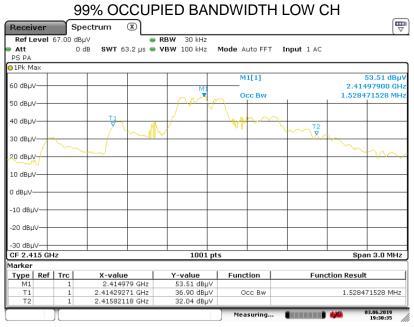
#### **RESULTS**

Frequency	20dB bandwidth	99% bandwidth	Result
(MHz)	(MHz)	(MHz)	
2415	0.9021	1.5285	PASS

#### 20 dB BANDWIDTH LOW CH



Date: 3.JUN.2019 19:37:54



Date: 3.JUN.2019 19:30:35



Frequency (MHz)

20dB bandwidth (MHz)

99% bandwidth (MHz)

Result

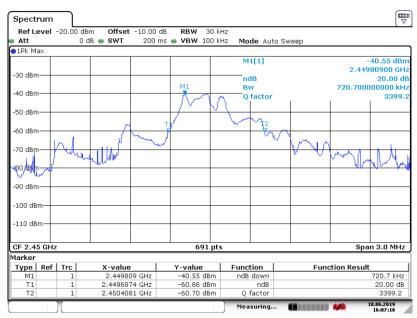
2445

0.7207

1.5465

PASS

#### 20 dB BANDWIDTH MID CH



Date: 18.JUN.2019 16:07:18

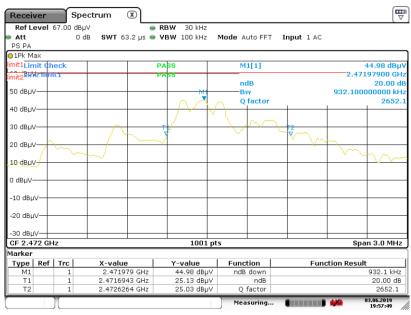
#### 99% OCCUPIED BANDWIDTH MID CH Receiver Spectrum Ref Level 67.00 dBµV RBW 30 kHz Att 0 dB - SWT 300 ms - VBW 100 kHz Mode Auto Sweep Input 1 AC ○1Pk Max M1[1] 53.64 dBu 60 dBµ\ 2.44997900 GH Occ Bw 1.546453546 MH 20 dBµV 10 dBµV -10 dBµV -20 dBµV -30 dBµV CF 2.45 GHz 1001 pts Span 3.0 MHz Marker Type | Ref | Trc X-value 2.449979 GHz **Y-value** 53.64 dBμV Function **Function Result** 2.44928971 GHz 2.45083616 GHz 36.55 dBµV 30.98 dBµV 1.546453546 MHz Occ Bw Measuring...

Date: 3.JUN.2019 19:41:32

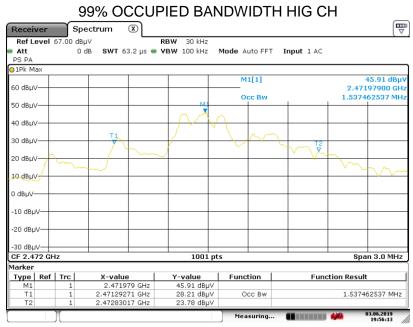


Frequency<br/>(MHz)20dB bandwidth<br/>(MHz)99% bandwidth<br/>(MHz)Result24720.93211.5375PASS

#### 20 dB BANDWIDTH HIG CH



Date: 3.JUN.2019 19:57:49



Date: 3.JUN.2019 19:56:12



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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)

The field strength of emissions from intentional radiators operated within these frequency bands				
Frequency (MHz)	Field strength of Fundamental	Field strength of Harmonics	Distance (m)	
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		
(1411 12)	(4 1/111) 41 3 111	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					



FCC Restricted bands of operation:

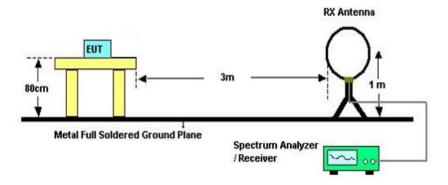
MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
<sup>1</sup> 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
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	( <sup>2</sup> )
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



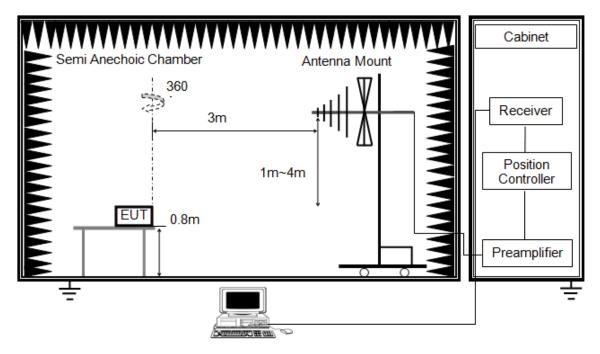
The setting of the spectrum analyser

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

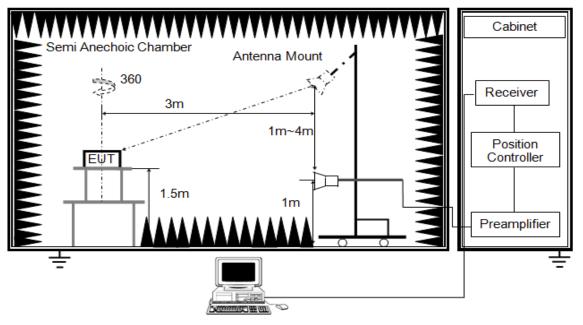


The setting of the spectrum analyser

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



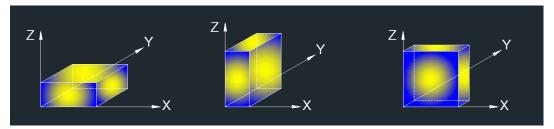
The setting of the spectrum analyser

RBW	1M
1 / B / / /	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:



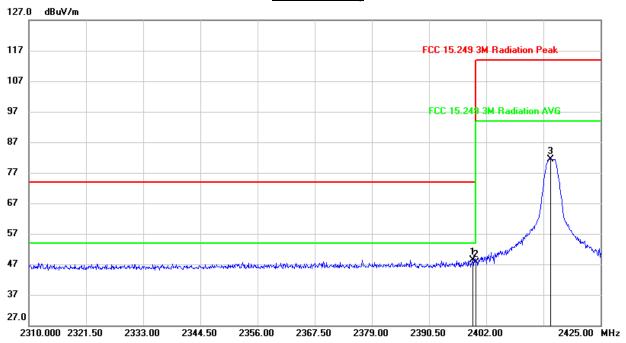
Note 1: For all radiated test, EUT in each of three orthogonal axis emissions had been tested, but only the worst case (Z axis) data recorded in the report.



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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)

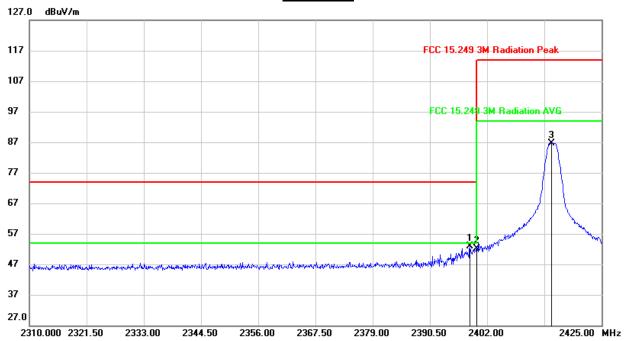


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	2399.355	15.52	32.98	48.50	74.00	-25.50	peak
2	2400.000	14.61	32.98	47.59	74.00	-26.41	peak
3	2414.880	48.41	33.09	81.50	114.00	-32.50	peak

- 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.



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



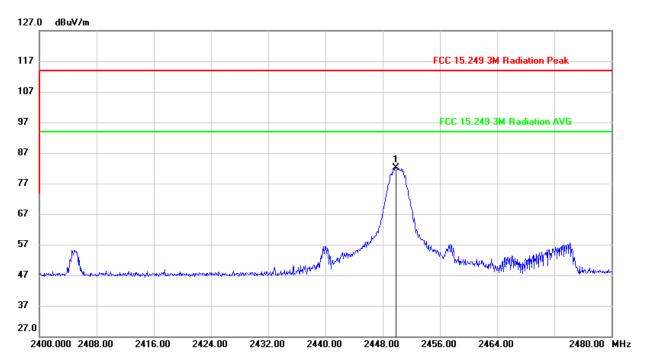
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	2398.550	19.96	32.98	52.94	74.00	-21.06	peak
2	2400.000	19.03	32.98	52.01	74.00	-21.99	peak
3	2414.880	53.52	33.09	86.61	114.00	-27.39	peak

- 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.



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#### FIELD STRENGTH OF INTENTIONAL EMISSIONS (MIDDLE CHANNEL, HORIZONTAL)

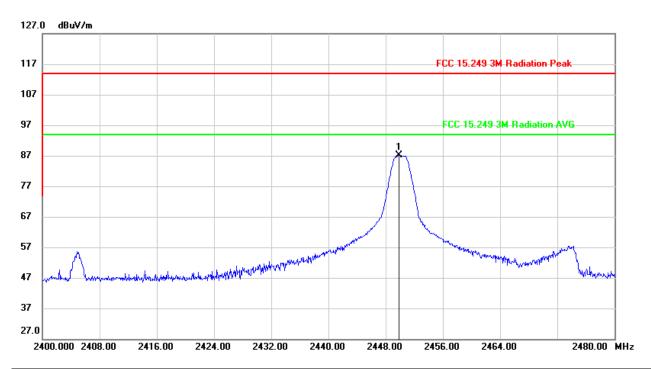


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	2449.840	48.77	33.34	82.11	114.00	-31.89	peak

- 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.



#### FIELD STRENGTH OF INTENTIONAL EMISSIONS (MIDDLE CHANNEL, VERTICAL)



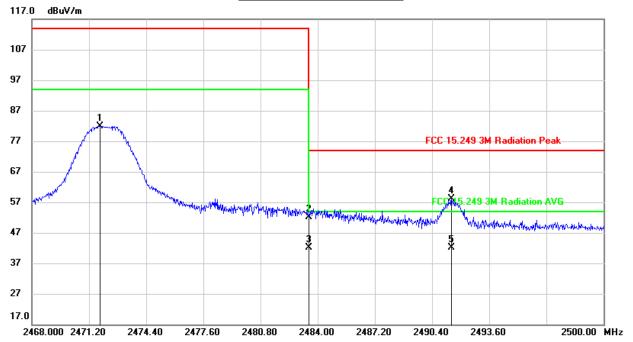
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	2449.840	53.73	33.34	87.07	114.00	-26.93	peak

- 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.



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

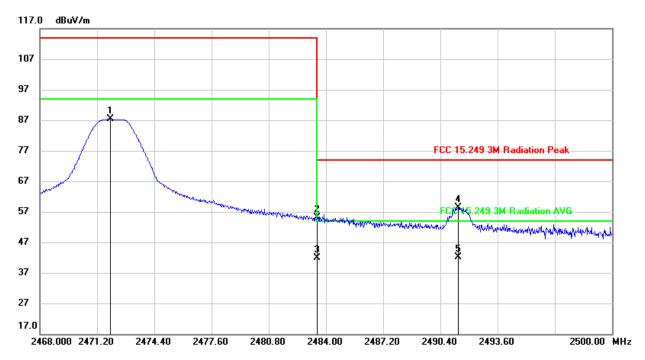


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	2471.808	48.42	33.50	81.92	114.00	-32.08	peak
2	2483.500	18.52	33.58	35.15	74.00	-38.85	peak
3	2483.500	18.52	33.58	18.20	54.00	-35.80	AVG
4	2491.488	24.62	33.63	58.25	74.00	-15.75	peak
5	2491.488	24.62	33.63	41.30	54.00	-12.70	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 Cycle Correction Factor.
- 5. For transmit duration, 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)	(dBuV)	(dB)	
1	2471.936	53.82	33.50	87.32	114.00	-26.68	peak
2	2483.500	21.62	33.58	55.20	74.00	-18.80	peak
3	2483.500	21.62	33.58	38.25	54.00	-15.75	AVG
4	2491.392	24.68	33.63	58.31	74.00	-15.69	peak
5	2491.392	24.68	33.63	41.36	54.00	-12.64	AVG

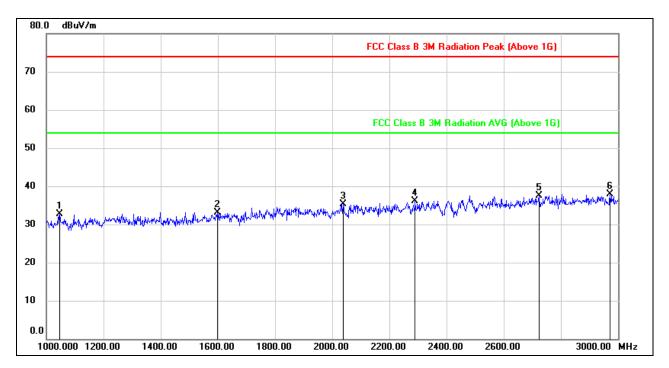
- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. AVG Result=Peak Result + Duty Cycle Correction Factor.
- 5. For transmit duration, please refer to clause 6.1.
- 6. Only the worst case emission was recorded, if it complies with the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



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7.3. SPURIOUS EMISSIONS (1~3GHz)

# HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)

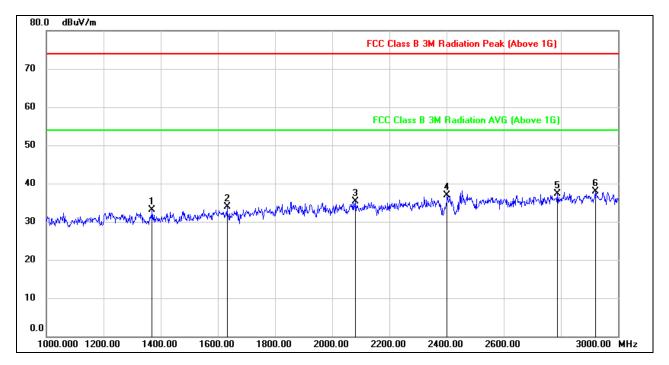


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	1046.000	45.89	-13.25	32.64	74.00	-41.36	peak
2	1598.000	44.05	-10.85	33.20	74.00	-40.80	peak
3	2038.000	44.43	-9.11	35.32	74.00	-38.68	peak
4	2290.000	43.69	-7.54	36.15	74.00	-37.85	peak
5	2724.000	43.34	-5.81	37.53	74.00	-36.47	peak
6	2972.000	42.32	-4.44	37.88	74.00	-36.12	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 except band 2400~2483.5MHz.
- 5. Filter losses were only considered in then spurious frequency bands and the authorized band was not corrected for BRF losses.



#### HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



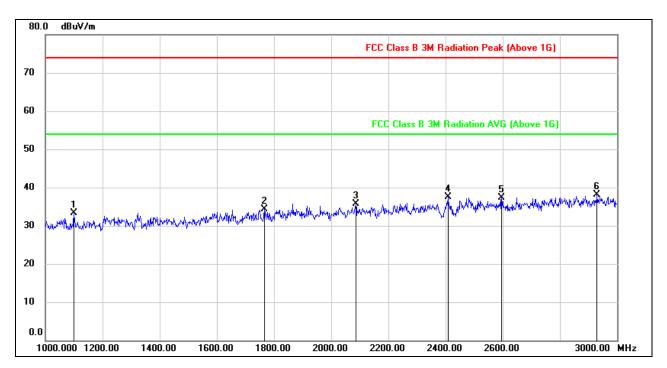
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	1370.000	45.02	-11.89	33.13	74.00	-40.87	peak
2	1632.000	44.71	-10.75	33.96	74.00	-40.04	peak
3	2082.000	44.08	-8.74	35.34	74.00	-38.66	peak
4	2402.000	43.84	-7.00	36.84	74.00	-37.16	peak
5	2788.000	42.59	-5.36	37.23	74.00	-36.77	peak
6	2920.000	42.56	-4.66	37.90	74.00	-36.10	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 except band 2400~2483.5MHz.
- 5. Filter losses were only considered in then spurious frequency bands and the authorized band was not corrected for BRF losses.



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#### **HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)**

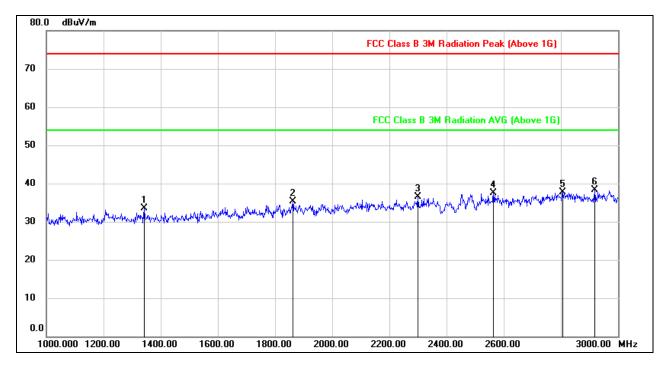


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	1100.000	46.47	-13.14	33.33	74.00	-40.67	peak
2	1766.000	44.27	-9.96	34.31	74.00	-39.69	peak
3	2086.000	44.37	-8.71	35.66	74.00	-38.34	peak
4	2408.000	44.37	-6.94	37.43	74.00	-36.57	peak
5	2596.000	43.96	-6.56	37.40	74.00	-36.60	peak
6	2930.000	42.69	-4.61	38.08	74.00	-35.92	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 except band 2400~2483.5MHz.
- 5. Filter losses were only considered in then spurious frequency bands and the authorized band was not corrected for BRF losses.



#### HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)

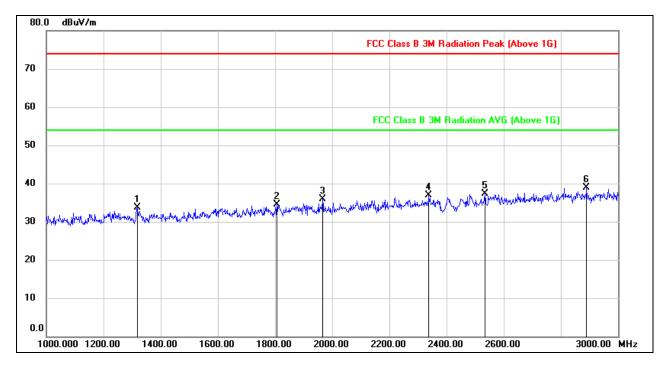


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	1342.000	45.44	-11.87	33.57	74.00	-40.43	peak
2	1862.000	44.68	-9.45	35.23	74.00	-38.77	peak
3	2300.000	43.89	-7.47	36.42	74.00	-37.58	peak
4	2564.000	43.91	-6.43	37.48	74.00	-36.52	peak
5	2806.000	42.92	-5.25	37.67	74.00	-36.33	peak
6	2918.000	42.94	-4.67	38.27	74.00	-35.73	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 except band 2400~2483.5MHz.
- 5. Filter losses were only considered in then spurious frequency bands and the authorized band was not corrected for BRF losses.



#### **HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)**

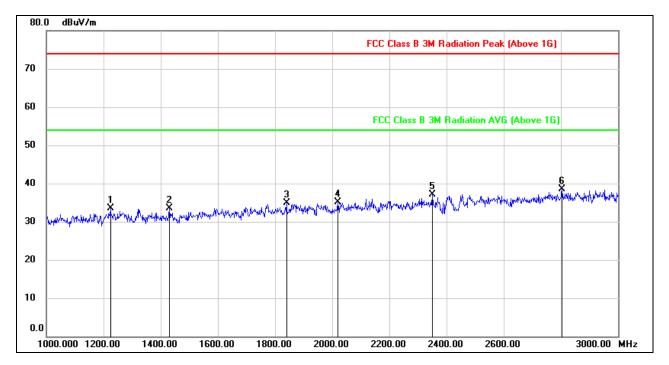


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	1318.000	45.48	-11.86	33.62	74.00	-40.38	peak
2	1806.000	44.21	-9.61	34.60	74.00	-39.40	peak
3	1966.000	45.24	-9.41	35.83	74.00	-38.17	peak
4	2338.000	44.19	-7.29	36.90	74.00	-37.10	peak
5	2534.000	43.68	-6.31	37.37	74.00	-36.63	peak
6	2890.000	43.68	-4.80	38.88	74.00	-35.12	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 except band 2400~2483.5MHz.
- 5. Filter losses were only considered in then spurious frequency bands and the authorized band was not corrected for BRF losses.



#### **HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)**



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	1224.000	45.57	-12.12	33.45	74.00	-40.55	peak
2	1430.000	45.32	-11.87	33.45	74.00	-40.55	peak
3	1840.000	44.38	-9.51	34.87	74.00	-39.13	peak
4	2020.000	44.31	-9.26	35.05	74.00	-38.95	peak
5	2350.000	44.37	-7.23	37.14	74.00	-36.86	peak
6	2804.000	43.69	-5.27	38.42	74.00	-35.58	peak

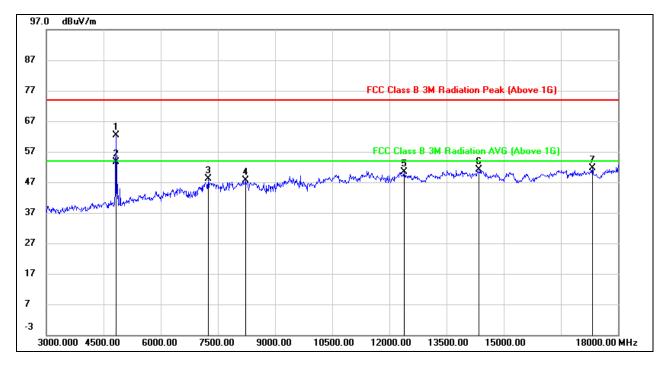
- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. The Band Reject filter loss factor already add into the correct factor except band 2400~2483.5MHz.
- 5. Filter losses were only considered in then spurious frequency bands and the authorized band was not corrected for BRF losses.



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# 7.4. SPURIOUS EMISSIONS (3~18GHz)

#### HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)

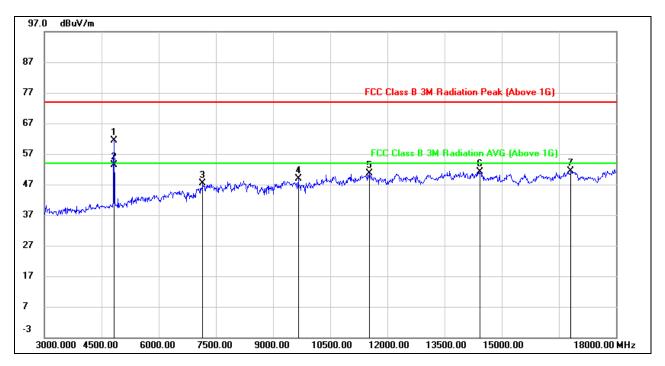


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	4830.000	62.67	-0.20	62.47	74.00	-11.53	peak
2	4830.000	62.67	-0.20	45.52	54.00	-8.48	AVG
3	7245.000	41.08	7.00	48.08	74.00	-25.92	peak
4	8220.000	38.22	9.40	47.62	74.00	-26.38	peak
5	12390.000	35.97	14.32	50.29	74.00	-23.71	peak
6	14355.000	34.77	16.38	51.15	74.00	-22.85	peak
7	17325.000	29.94	21.80	51.74	74.00	-22.26	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 Cycle Correction Factor.
- 5. For the Duty Cycle and Correction Factor, please refer to clause 6.1.
- 6. The Band Reject 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)**



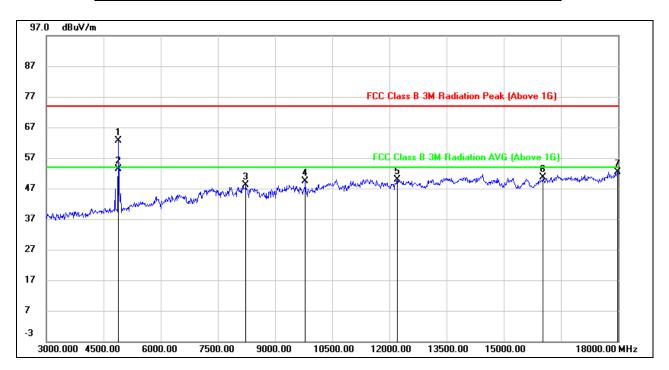
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	4830.000	61.67	-0.20	61.47	74.00	-12.53	peak
2	4830.000	61.67	-0.20	44.52	54.00	-9.48	AVG
3	7155.000	40.50	6.88	47.38	74.00	-26.62	peak
4	9660.000	38.84	10.06	48.90	74.00	-25.10	peak
5	11520.000	36.48	14.10	50.58	74.00	-23.42	peak
6	14430.000	34.78	16.39	51.17	74.00	-22.83	peak
7	16815.000	31.41	19.92	51.33	74.00	-22.67	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 Cycle Correction Factor.
- 5. For the Duty Cycle and Correction Factor, please refer to clause 6.1.
- 6. The Band Reject 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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### HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)

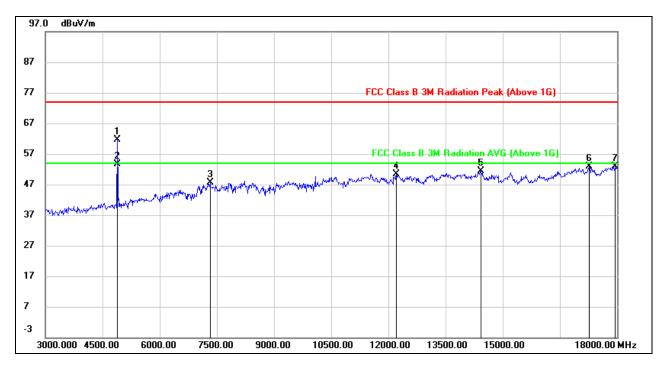


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	4899.950	62.66	-0.09	62.57	74.00	-11.43	peak
2	4899.950	62.66	-0.09	45.62	54.00	-8.38	AVG
3	8235.000	38.83	9.23	48.06	74.00	-25.94	peak
4	9795.000	39.22	10.17	49.39	74.00	-24.61	peak
5	12210.000	35.59	14.25	49.84	74.00	-24.16	peak
6	16035.000	33.23	17.36	50.59	74.00	-23.41	peak
7	17985.000	29.22	23.25	52.47	74.00	-21.53	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 Cycle Correction Factor.
- 5. For the Duty Cycle and Correction Factor, please refer to clause 6.1.
- 6. The Band Reject 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)

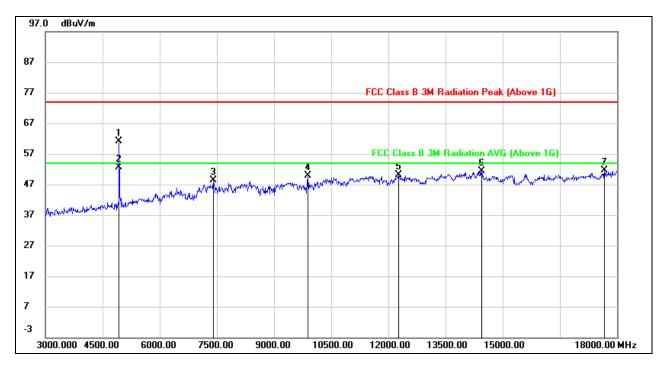


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	4899.980	61.64	-0.09	61.55	74.00	-12.45	peak
2	4899.980	61.64	-0.09	44.60	54.00	-9.40	AVG
3	7320.000	40.55	7.20	47.75	74.00	-26.25	peak
4	12210.000	36.23	14.25	50.48	74.00	-23.52	peak
5	14430.000	35.06	16.39	51.45	74.00	-22.55	peak
6	17265.000	31.23	21.59	52.82	74.00	-21.18	peak
7	17955.000	29.54	23.23	52.77	74.00	-21.23	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 Cycle Correction Factor.
- 5. For the Duty Cycle and Correction Factor, please refer to clause 6.1.
- 6. The Band Reject 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)

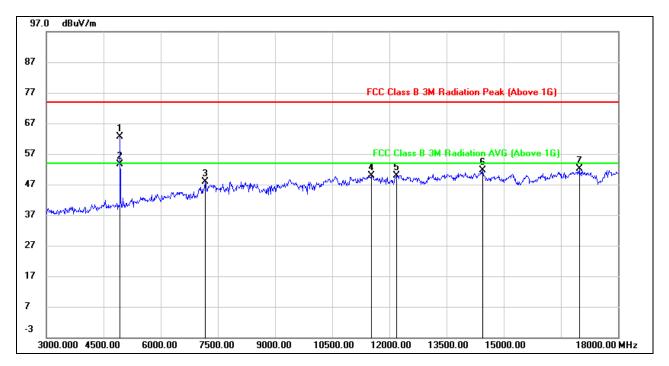


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	4943.871	61.02	0.17	61.19	74.00	-12.81	peak
2	4943.871	61.02	0.17	44.24	54.00	-9.76	AVG
3	7410.000	40.84	7.47	48.31	74.00	-25.69	peak
4	9885.000	39.27	10.49	49.76	74.00	-24.24	peak
5	12270.000	35.80	14.34	50.14	74.00	-23.86	peak
6	14445.000	35.02	16.37	51.39	74.00	-22.61	peak
7	17670.000	29.56	21.98	51.54	74.00	-22.46	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 Cycle Correction Factor.
- 5. For the Duty Cycle and Correction Factor, please refer to clause 6.1.
- 6. The Band Reject 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)



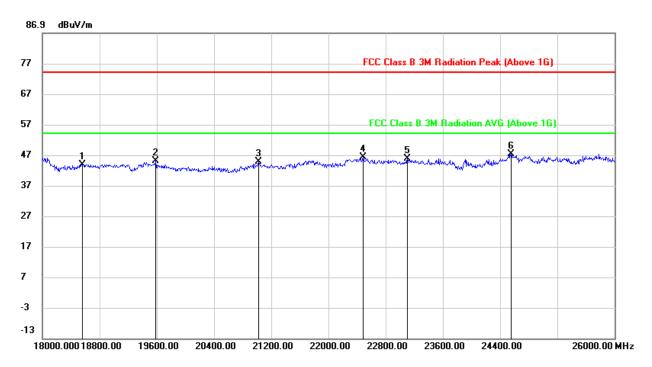
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	4943.931	62.56	0.17	62.73	74.00	-11.27	peak
2	4943.931	62.56	0.17	45.78	54.00	-8.22	AVG
3	7170.000	41.01	6.87	47.88	74.00	-26.12	peak
4	11535.000	35.78	14.10	49.88	74.00	-24.12	peak
5	12195.000	35.73	14.24	49.97	74.00	-24.03	peak
6	14445.000	35.18	16.37	51.55	74.00	-22.45	peak
7	16980.000	31.98	20.25	52.23	74.00	-21.77	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 Cycle Correction Factor.
- 5. For the Duty Cycle and Correction Factor, please refer to clause 6.1.
- 6. The Band Reject 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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### 7.5. SPURIOUS EMISSIONS (18~26GHz)

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

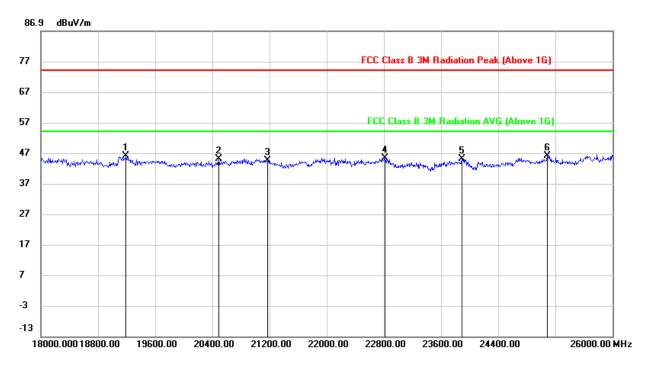


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	18560.000	48.37	-4.49	43.88	74.00	-30.12	peak
2	19584.000	49.67	-4.64	45.03	74.00	-28.97	peak
3	21024.000	50.12	-5.30	44.82	74.00	-29.18	peak
4	22480.000	51.98	-5.82	46.16	74.00	-27.84	peak
5	23104.000	51.35	-5.47	45.88	74.00	-28.12	peak
6	24552.000	49.64	-2.46	47.18	74.00	-26.82	peak

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

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# <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)	(dBuV)	(dB)	
1	19192.000	50.98	-5.01	45.97	74.00	-28.03	peak
2	20488.000	49.95	-4.96	44.99	74.00	-29.01	peak
3	21176.000	50.03	-5.44	44.59	74.00	-29.41	peak
4	22816.000	51.08	-5.71	45.37	74.00	-28.63	peak
5	23888.000	49.30	-4.29	45.01	74.00	-28.99	peak
6	25088.000	47.13	-1.12	46.01	74.00	-27.99	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.

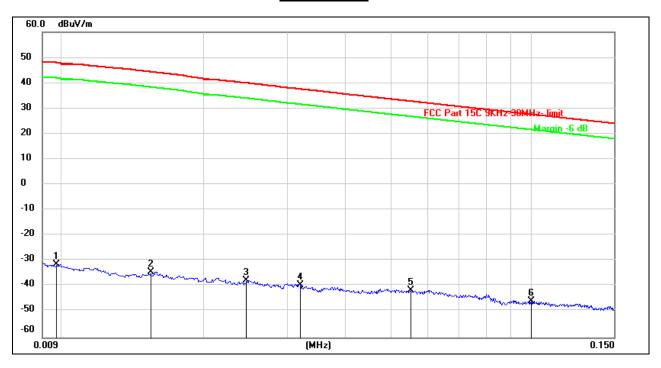
Note: All test mode has been tested, only the worst data record in the report.



### 7.6. SPURIOUS EMISSIONS BELOW 30M

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

#### 9kHz~ 150kHz

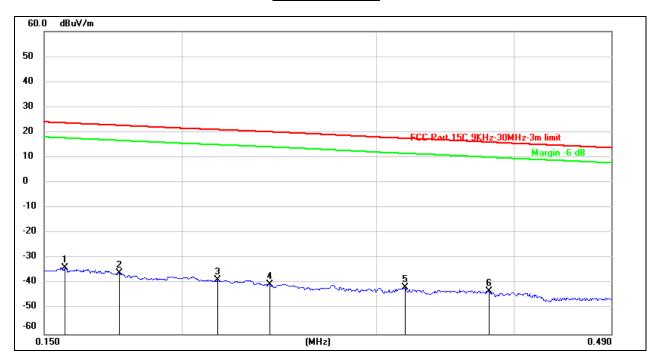


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	0.0097	69.93	-101.38	-31.45	47.83	-79.28	peak
2	0.0154	66.94	-101.37	-34.43	44.35	-78.78	peak
3	0.0246	63.70	-101.36	-37.66	39.96	-77.62	peak
4	0.0320	61.84	-101.40	-39.56	37.56	-77.12	peak
5	0.0551	59.95	-101.50	-41.55	32.81	-74.36	peak
6	0.1000	56.17	-101.80	-45.63	27.60	-73.23	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.



### 150kHz ~ 490kHz

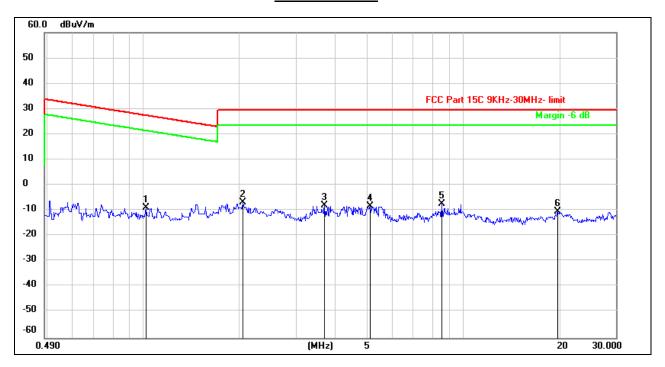


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.1565	68.03	-101.65	-33.62	23.72	-57.34	peak
2	0.1756	65.84	-101.68	-35.84	22.72	-58.56	peak
3	0.2156	63.15	-101.75	-38.60	21.03	-59.63	peak
4	0.2404	61.45	-101.78	-40.33	20.16	-60.49	peak
5	0.3190	60.29	-101.88	-41.59	17.58	-59.17	peak
6	0.3800	59.02	-101.94	-42.92	16.06	-58.98	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.



490kHz ~ 30MHz



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	1.0212	53.48	-62.25	-8.77	27.43	-36.20	peak
2	2.0430	54.95	-61.82	-6.87	29.54	-36.41	peak
3	3.6793	53.53	-61.41	-7.88	29.54	-37.42	peak
4	5.1230	53.19	-61.48	-8.29	29.54	-37.83	peak
5	8.5754	53.52	-61.00	-7.48	29.54	-37.02	peak
6	19.7895	50.42	-60.84	-10.42	29.54	-39.96	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.

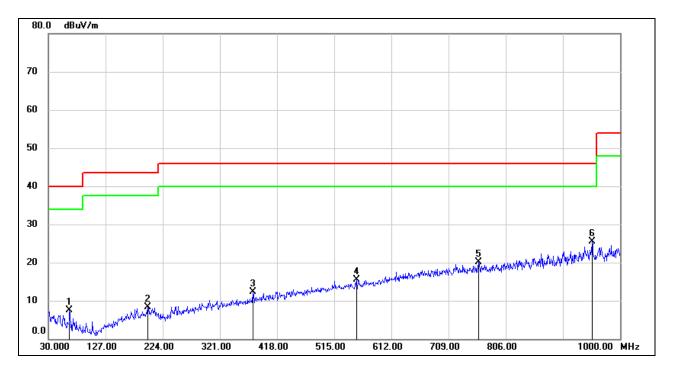
Note: All test mode has been tested, only the worst data record in the report.



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### 7.7. SPURIOUS EMISSIONS BELOW 1 GHz

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



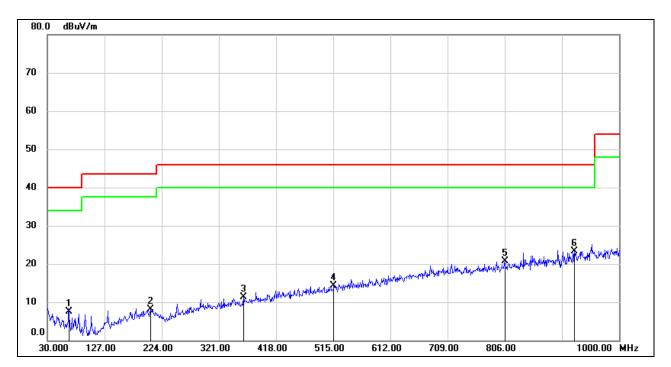
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	65.8900	27.34	-19.80	7.54	40.00	-32.46	QP
2	198.7800	24.61	-16.26	8.35	43.50	-35.15	QP
3	377.2600	24.96	-12.69	12.27	46.00	-33.73	QP
4	552.8300	24.83	-9.41	15.42	46.00	-30.58	QP
5	759.4400	25.80	-5.73	20.07	46.00	-25.93	QP
6	952.4700	28.79	-3.36	25.43	46.00	-20.57	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	66.8600	27.40	-19.89	7.51	40.00	-32.49	QP
2	204.6000	24.05	-15.92	8.13	43.50	-35.37	QP
3	362.7100	24.24	-12.98	11.26	46.00	-34.74	QP
4	515.9699	24.40	-10.07	14.33	46.00	-31.67	QP
5	806.0000	25.92	-5.26	20.66	46.00	-25.34	QP
6	924.3400	27.16	-3.77	23.39	46.00	-22.61	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**