

CFR 47 FCC PART 15 SUBPART C

TEST REPORT

For

AF RC ROCK Runner

MODEL NUMBER: VL-3750, VL-3751, VL-3752

FCC ID: 2ASK3VL-3750T

REPORT NUMBER: 4788915191-1

ISSUE DATE: March 19, 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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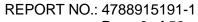
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Revision	History
1 10 1101011	i notor y

Rev.	Issue Date	Revisions	Revised By
V0	03/19/2019	Initial Issue	





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	Summary of Test Results				
Clause	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

EUT Description

EUT Name: AF RC ROCK Runner

Model: VL-3750, VL-3751, VL-3752

Brand Name: /

Sample Status: Normal Sample ID: 2124423

Sample Received Date: March 6, 2019

Date of Tested: March 11, 2019 ~ March 19, 2019

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

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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
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.

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5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

EUT Name	AF RC ROCK Runner		
EUT Description	The EUT is a wireless remote cont	roller for toy car.	
Model	VL-3751		
Series Model	VL-3750, VL-3752		
Model Difference	All the same except for the model name and color.		
Product Description	Operation Frequency	2405 MHz ~ 2475 MHz	
	Modulation Type GFSK		
Battery	DC 6V		

5.2. MAXIMUM OUTPUT POWER

Frequency Range (MHz)	Number of Transmit Chains (NTX)	Frequency (MHz)	Channel Number	Max Power (dBµV/m)
2405 ~ 2475	1	2475	70[71]	100.09

5.3. CHANNEL LIST

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2405	18	2423	36	2441	54	2459
1	2406	19	2424	37	2442	55	2460
2	2407	20	2425	38	2443	56	2461
3	2408	21	2426	39	2444	57	2462
4	2409	22	2427	40	2445	58	2463
5	2410	23	2428	41	2446	59	2464
6	2411	24	2429	42	2447	60	2465
7	2412	25	2430	43	2448	61	2466
8	2413	26	2431	44	2449	62	2467
9	2414	27	2432	45	2450	63	2468
10	2415	28	2433	46	2451	64	2469
11	2416	29	2434	47	2452	65	2470
12	2417	30	2435	48	2453	66	2471
13	2418	31	2436	49	2454	67	2472
14	2419	32	2437	50	2455	68	2473
15	2420	33	2438	51	2456	69	2474
16	2421	34	2439	52	2457	70	2475
17	2422	35	2440	53	2458		



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5.4. DESCRIPTION OF AVAILABLE ANTENNAS

Ant.	Frequency (MHz)	Antenna Type	Antenna Gain (dBi)
1	2405 ~ 2475	Wire Antenna	1

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 0, CH 31, CH 66	2405MHz, 2440MHz, 2475MHz

5.6. THE WORSE CASE POWER SETTING PARAMETER

The Worse Case Power Setting Parameter under 2402 ~ 2483.5MHz Band					
Test So	oftware	/			
Modulation Type	Transmit Antenna	Test Channel			
Woodilation Type	Number	CH 0	CH 31	CH 66	
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	N/A		
Voltage :	VN	DC 6V		
	VH	N/A		

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									
			In	stru	ment				
Used		Manufacturer	Mc	del	No.	Serial	No.	Last Cal.	Next Cal.
<u> </u>	EMI Test Receiver	R&S		ESF	3	1019	961	Dec.10,2018	Dec.10,2019
V	Two-Line V- Network	R&S	Е	NV2	216	1019	83	Dec.10,2018	Dec.10,2019
V	Artificial Mains Networks	Schwarzbeck	NS	LK 8	8126	8126	465	Dec.10,2018	Dec.10,2019
			S	oftv	vare				
Used		cription			Man	ufacture	r	Name	Version
$\overline{\mathbf{V}}$	Test Software for C	Conducted dist	urbar	ce	F	arad		EZ-EMC	Ver. UL-3A1
		Ra			missi	ons			
					ment				
Used		Manufacturer			No.	Serial		Last Cal.	Next Cal.
$\overline{\mathbf{V}}$	MXE EMI Receiver	KESIGHT	N	903	88A	MY5640	00036	Dec.10,2018	Dec.10,2019
V	Hybrid Log Periodic Antenna	TDK	HLI	- 3(003C	1309	960	Sep.17,2018	Sep.17,2021
\checkmark	Preamplifier	HP	8	3447	7D	2944A0	9099	Dec.10,2018	Dec.10,2019
V	EMI Measurement Receiver	R&S	ESR26		1013	377	Dec.10,2018	Dec.10,2019	
V	Horn Antenna	TDK	HR	HRN-0118		1309	939	Sep.17,2018	Sep.17,2021
V	High Gain Horn Antenna	Schwarzbeck	BBI	HA-	9170	69	1	Aug.18,2018	Aug.18,2021
V	Preamplifier	TDK	PA-	02-	0118	TRS-3		Dec.10,2018	Dec.10,2019
V	Preamplifier	TDK	P	A-0	2-2	TRS-3		Dec.10,2018	Dec.10,2019
V	Loop antenna	Schwarzbeck	1	519	9B	000	08	Jan.17, 2019	Jan.17,2022
			S	oftv	vare				
Used	Descr	iption		Ma	anufact	turer		Name	Version
V	Test Software distur				Farac	d _	E	Z-EMC	Ver. UL-3A1
· ·			ther	ins	trumer	nts			
Used	Equipment	Manufacturer	Mc	del	No.	Serial	No.	Last Cal.	Next Cal.
V	Spectrum Analyzer	Keysight	N	903	80A	MY554	10512	Dec.10,2018	Dec.10,2019
	Band Reject Filter	Wainwright	WRCJV8- 2350-2400- 2483.5- 2533.5-40SS		4		Dec.10,2018	Dec.10,2019	
V	High Pass Filter	Wi	WI 270	HK>)0-3	(10- (000- (40SS	23	3	Dec.10,2018	Dec.10,2019



6. ANTENNA PORT TEST RESULTS

6.1. ON TIME AND DUTY CYCLE

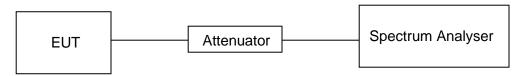
LIMITS

None; for reporting purposes only

PROCEDURE

KDB 558074 Zero-Span Spectrum Analyzer Method

TEST SETUP



RESULTS

Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (db)
GFSK	0.680	14.96	0.045	4.5	13.468

Note:

Duty Cycle Correction Factor=10log(1/x).

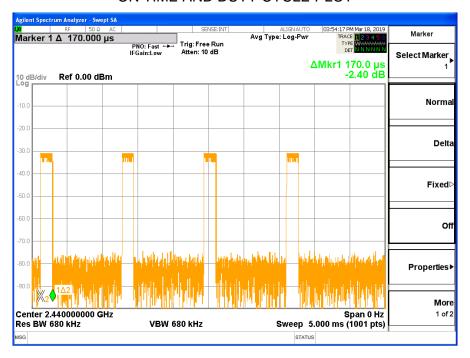
Where: x is Duty Cycle(Linear)

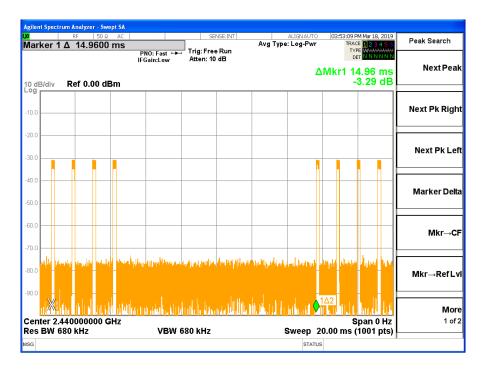
Where: T is On Time (transmit duration)

If that calculated VBW is not available on the analyzer then the next higher value should be used.



ON TIME AND DUTY CYCLE PLOT





Note: On Time = one pules * 4



6.2. 20 dB BANDWIDTH AND 99% OCCUPIED BANDWIDTH

LIMITS

CFR 47 FCC Part15 (15.249) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	
CFR 47 FCC 15.249(d)	20dB Bandwidth	for reporting purposes only	2400-2483.5	

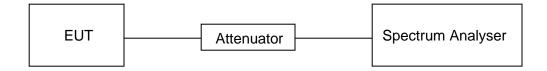
TEST PROCEDURE

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.

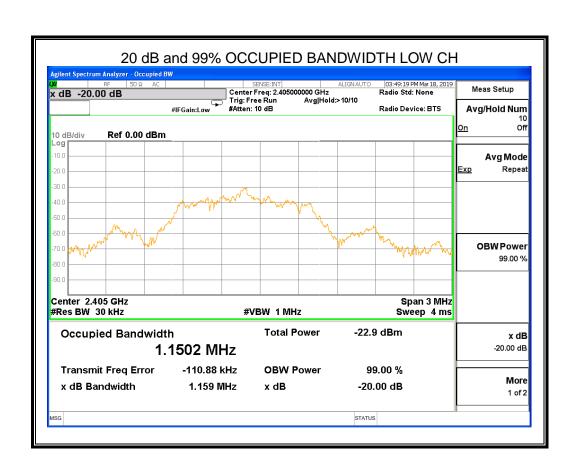
TEST SETUP

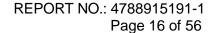




RESULTS

Frequency	20dB bandwidth	99% bandwidth	Result
(MHz)	(MHz)	(MHz)	
2405	1.159	1.1502	PASS

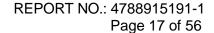






Frequency
(MHz)20dB bandwidth
(MHz)99% bandwidth
(MHz)Result24401.2061.1803PASS







Frequency (MHz)

20dB bandwidth (MHz)

99% bandwidth (MHz)

Result

1.154

1.2398

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)

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 7/11) at 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 (meter							
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:

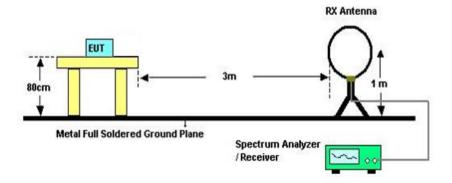
MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218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



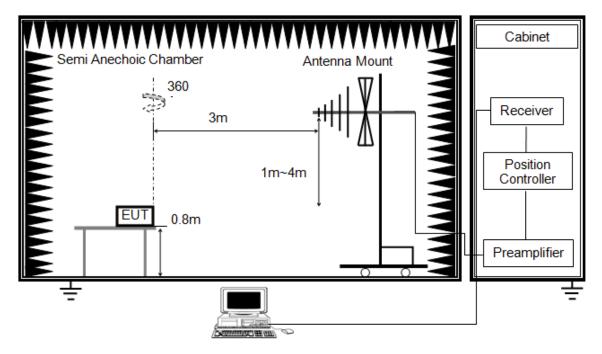
The setting of the spectrum analyser

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



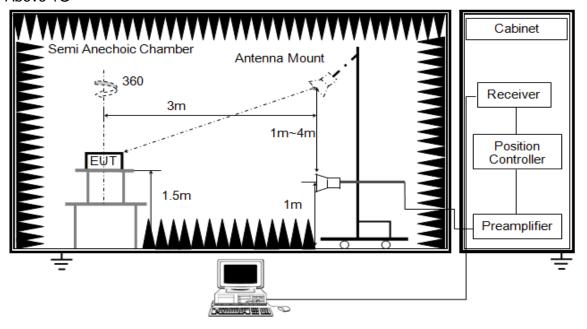
The setting of the spectrum analyser

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



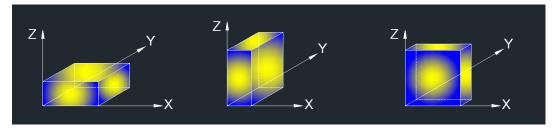
The setting of the spectrum analyser

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

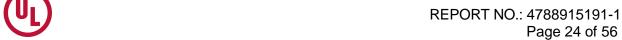
- 1. The testing follows the guidelines in ANSI C63.10-2013.
- 2. The EUT was arranged to its worst case and then tune the antenna tower (1.5 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal 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 average power measurement, set the detector to AVG, while maintaining all of the other instrument settings, if the duty cycle of the EUT is less than 98%, the Duty Cycle Correction Factor shall be added to the measured emission levels. For the Duty Cycle and Correction Factor please refer to clause 7.1.ON TIME AND DUTY CYCLE.



X axis, Y axis, Z axis positions:



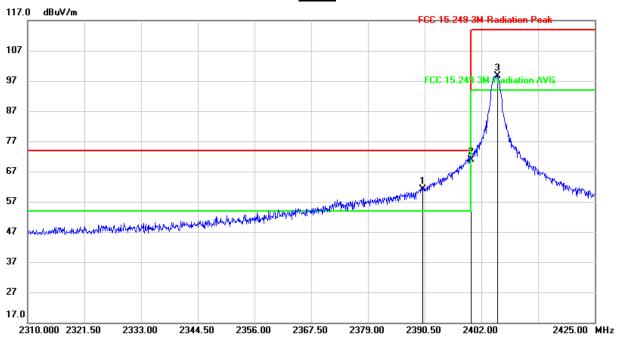
Note 1: For all radiated test, EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.



7.2. RESTRICTED BANDEDGE AND FIELD STRENGTH OF INTENTIONAL EMISSIONS

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

PEAK

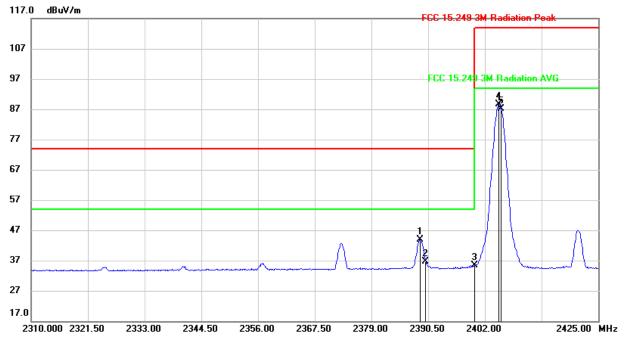


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2390.000	28.12	32.94	61.06	74.00	-12.94	peak
2	2400.000	37.82	32.98	70.80	74.00	-3.20	peak
3	2405.335	65.59	33.02	98.61	114.00	-15.39	peak

- 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.



AVG



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2388.890	10.99	32.94	43.93	54.00	-10.07	AVG
2	2390.000	3.79	32.94	36.73	54.00	-17.27	AVG
3	2400.000	2.29	32.98	35.27	54.00	-18.73	AVG
4	2404.875	55.52	33.02	88.54	94.00	-5.46	AVG
5	2405.335	54.19	33.02	87.21	94.00	-6.79	AVG

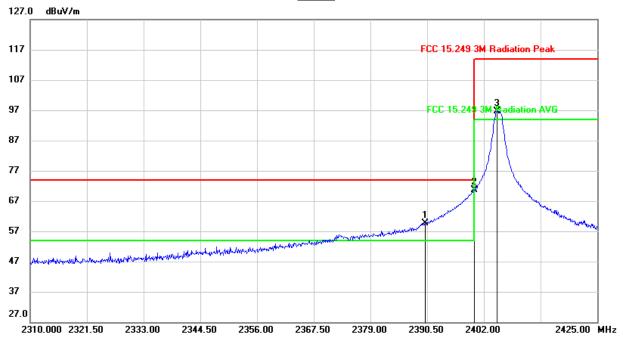
- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. AVG: Average value = AVG (Detector) Reading + Correct (included DCCF).
- 4. For transmit duration, please refer to clause 6.1.
- 5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



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

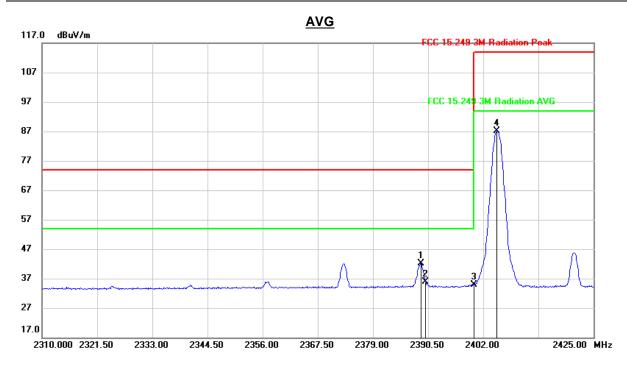




No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2390.000	26.69	32.94	59.63	74.00	-14.37	peak
2	2400.000	37.56	32.98	70.54	74.00	-3.46	peak
3	2404.645	63.57	33.01	96.58	114.00	-17.42	peak

- 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.



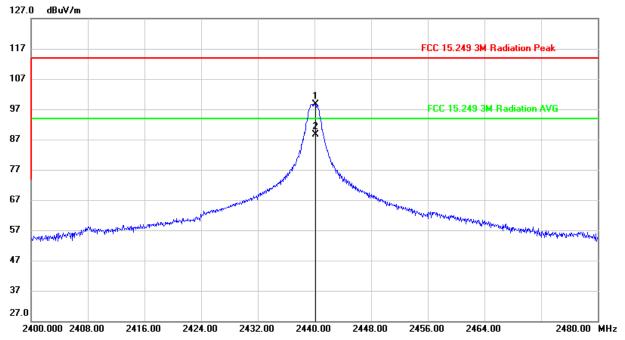


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2389.005	9.23	32.94	42.17	54.00	-11.83	AVG
2	2390.000	2.83	32.94	35.77	54.00	-18.23	AVG
3	2400.000	1.97	32.98	34.95	54.00	-19.05	AVG
4	2404.645	54.10	33.01	87.11	94.00	-6.89	AVG

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. AVG: Average value = AVG (Detector) Reading + Correct (included DCCF).
- 4. For transmit duration, please refer to clause 6.1.
- 5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

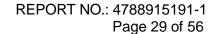


FIELD STRENGTH OF INTENTIONAL EMISSIONS (MIDDLE CHANNEL, HORIZONTAL)



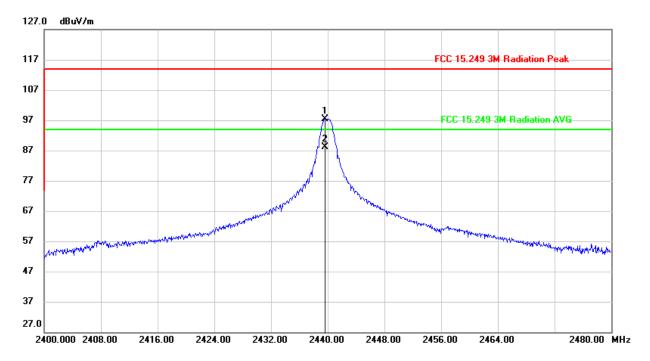
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2440.160	65.35	33.27	98.62	114.00	-15.38	peak
2	2440.160	55.26	33.27	88.53	94.00	-5.47	AVG

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. AVG: Average value = AVG (Detector) Reading + Correct (included DCCF).
- 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.



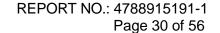


FIELD STRENGTH OF INTENTIONAL EMISSIONS (MIDDLE CHANNEL, VERTICAL)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2439.600	64.12	33.26	97.38	114.00	-16.62	peak
2	2439.600	54.78	33.26	88.04	94.00	-5.96	AVG

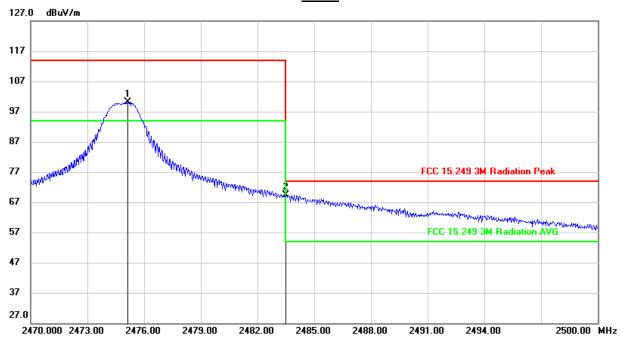
- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. AVG: Average value = AVG (Detector) Reading + Correct (included DCCF).
- 5. For transmit duration, please refer to clause 6.1.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.





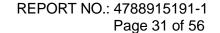
RESTRICTED BANDEDGE AND FIELD STRENGTH OF INTENTIONAL EMISSIONS (HIGH CHANNEL, HORIZONTAL)

PEAK



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2475.130	66.56	33.53	100.09	114.00	-13.91	peak
2	2483.500	35.69	33.58	69.27	74.00	-4.73	peak

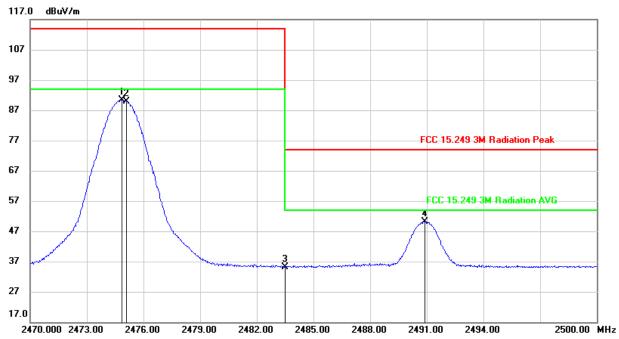
- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.





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

AVG



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2474.860	56.96	33.51	90.47	94.00	-3.53	AVG
2	2475.130	56.36	33.52	89.88	94.00	-4.12	AVG
3	2483.500	1.63	33.58	35.21	54.00	-18.79	AVG
4	2490.910	16.57	33.63	50.20	54.00	-3.80	AVG

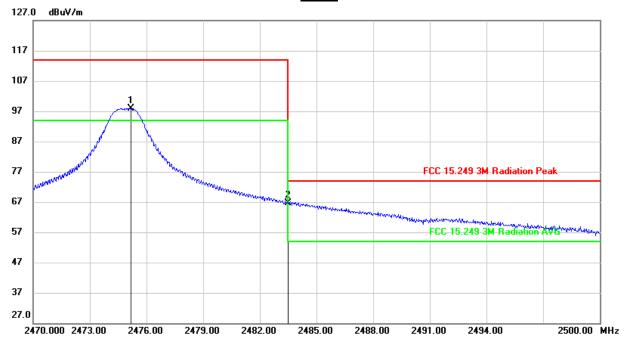
- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. AVG: Average value = AVG (Detector) Reading + Correct (included DCCF).
- 4. For transmit duration, please refer to clause 6.1.
- 5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



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

PEAK



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2475.160	64.45	33.53	97.98	114.00	-16.02	peak
2	2483.500	33.00	33.58	66.58	74.00	-7.42	peak

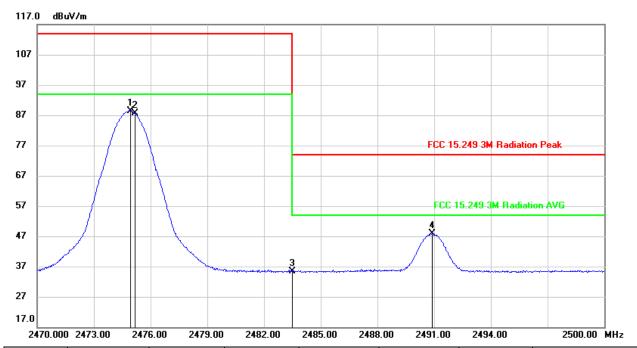
- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



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

<u>AVG</u>



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2474.920	54.79	33.51	88.30	94.00	-5.70	AVG
2	2475.160	54.07	33.53	87.60	94.00	-6.40	AVG
3	2483.500	1.75	33.58	35.33	54.00	-18.67	AVG
4	2490.880	14.23	33.63	47.86	54.00	-6.14	AVG

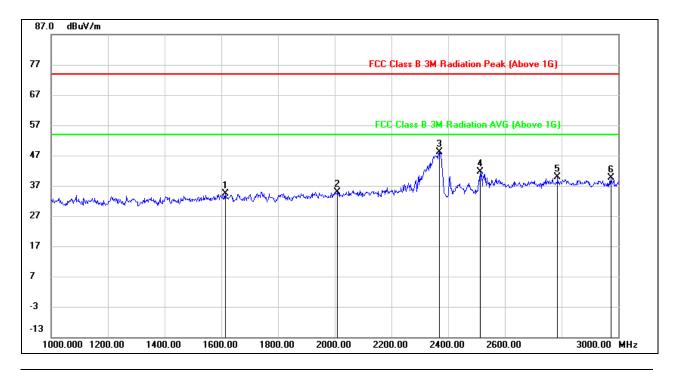
- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. AVG: Average value = AVG (Detector) Reading + Correct (included DCCF).
- 4. For transmit duration, please refer to clause 6.1.
- 5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



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7.3. SPURIOUS EMISSIONS (1~3GHz)

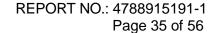
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1614.000	45.06	-10.63	34.43	74.00	-39.57	peak
2	2010.000	44.51	-9.63	34.88	74.00	-39.12	peak
3	2368.000	55.44	-7.23	48.21	74.00	-25.79	peak
4	2512.000	47.96	-6.40	41.56	74.00	-32.44	peak
5	2786.000	45.30	-5.51	39.79	74.00	-34.21	peak
6	2974.000	44.38	-4.73	39.65	74.00	-34.35	peak

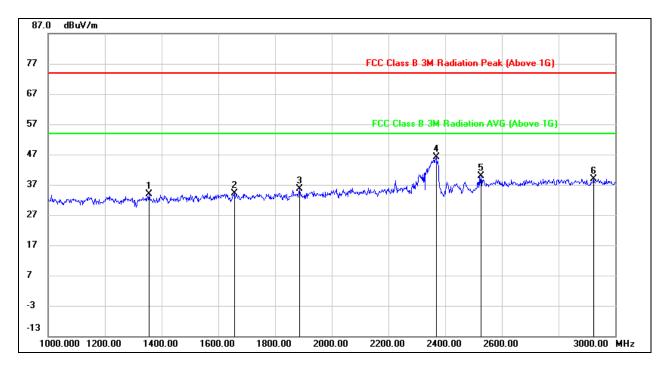
Note: 1. Peak Result = Reading Level + Correct Factor.

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 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	1356.000	45.37	-11.61	33.76	74.00	-40.24	peak
2	1656.000	44.92	-10.67	34.25	74.00	-39.75	peak
3	1886.000	45.00	-9.31	35.69	74.00	-38.31	peak
4	2368.000	53.36	-7.23	46.13	74.00	-27.87	peak
5	2526.000	46.39	-6.46	39.93	74.00	-34.07	peak
6	2924.000	43.98	-5.01	38.97	74.00	-35.03	peak

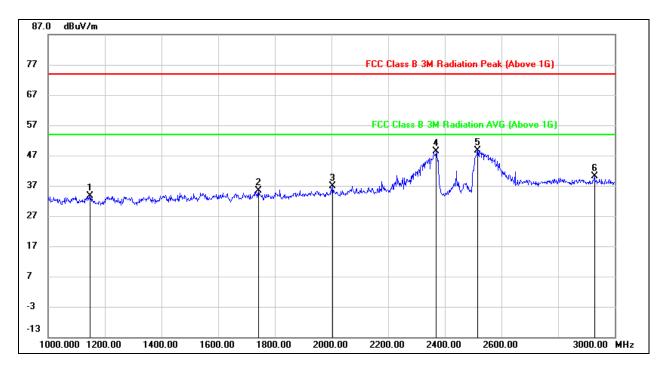
Note: 1. Peak Result = Reading Level + Correct Factor.

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 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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HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)



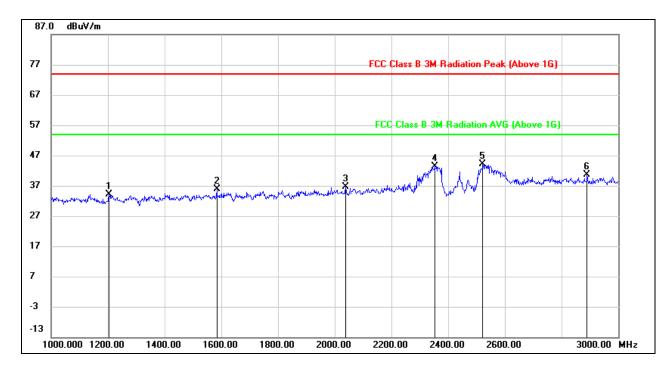
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1148.000	46.03	-12.51	33.52	74.00	-40.48	peak
2	1742.000	45.65	-10.16	35.49	74.00	-38.51	peak
3	2004.000	46.69	-9.72	36.97	74.00	-37.03	peak
4	2370.000	55.63	-7.22	48.41	74.00	-25.59	peak
5	2516.000	55.12	-6.40	48.72	74.00	-25.28	peak
6	2928.000	45.21	-4.99	40.22	74.00	-33.78	peak

Note: 1. Peak Result = 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.
- 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)

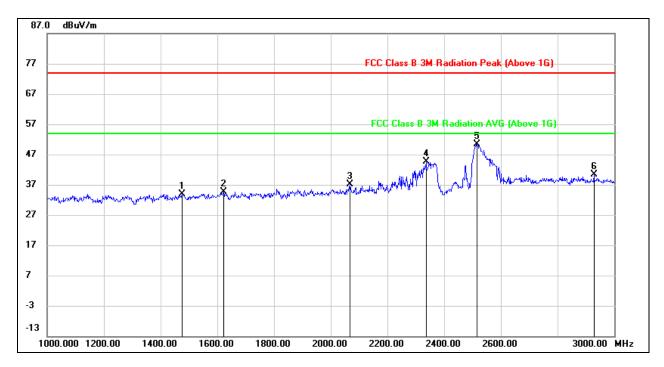


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1204.000	46.49	-12.39	34.10	74.00	-39.90	peak
2	1584.000	46.74	-10.77	35.97	74.00	-38.03	peak
3	2038.000	45.85	-9.22	36.63	74.00	-37.37	peak
4	2354.000	50.70	-7.28	43.42	74.00	-30.58	peak
5	2522.000	50.47	-6.44	44.03	74.00	-29.97	peak
6	2890.000	45.72	-5.15	40.57	74.00	-33.43	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)

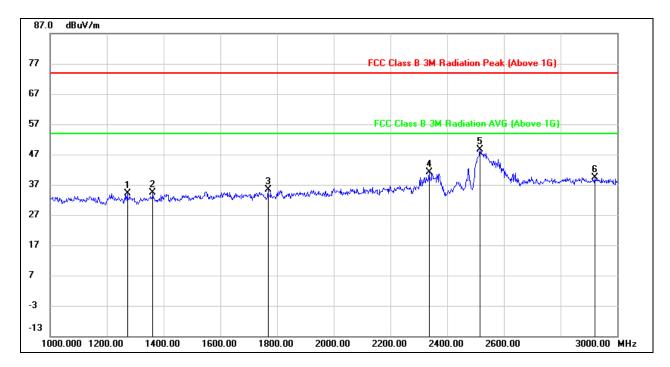


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1476.000	45.59	-11.68	33.91	74.00	-40.09	peak
2	1622.000	45.33	-10.63	34.70	74.00	-39.30	peak
3	2068.000	46.04	-8.79	37.25	74.00	-36.75	peak
4	2336.000	52.05	-7.35	44.70	74.00	-29.30	peak
5	2516.000	56.89	-6.40	50.49	74.00	-23.51	peak
6	2928.000	45.39	-4.99	40.40	74.00	-33.60	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	1272.000	45.73	-11.56	34.17	74.00	-39.83	peak
2	1362.000	46.11	-11.66	34.45	74.00	-39.55	peak
3	1768.000	45.27	-9.83	35.44	74.00	-38.56	peak
4	2336.000	48.60	-7.35	41.25	74.00	-32.75	peak
5	2516.000	54.94	-6.40	48.54	74.00	-25.46	peak
6	2920.000	44.41	-5.04	39.37	74.00	-34.63	peak

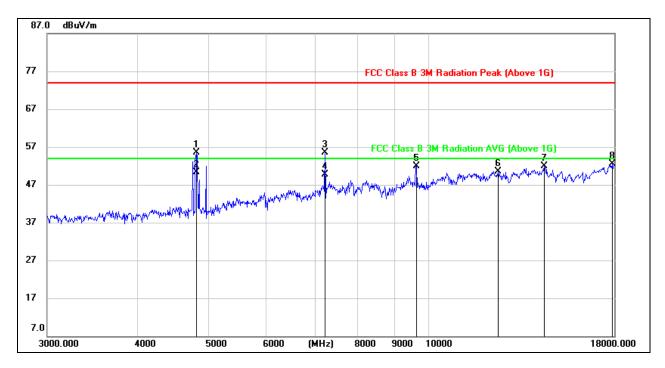
- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. The Band Reject filter loss factor already add into the correct factor.
- 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.



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7.4. SPURIOUS EMISSIONS (3~18GHz)

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)

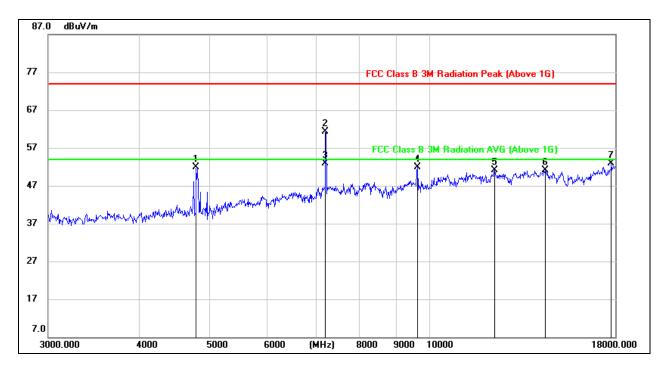


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4809.819	55.75	-0.23	55.52	74.00	-18.48	peak
2	4809.819	50.46	-0.23	50.23	54.00	-3.77	AVG
3	7230.919	48.46	6.96	55.42	74.00	-18.58	peak
4	7230.919	42.82	6.96	49.78	54.00	-4.22	AVG
5	9631.584	41.79	10.03	51.82	74.00	-22.18	peak
6	12466.700	35.93	14.66	50.59	74.00	-23.41	peak
7	14413.908	35.58	16.41	51.99	74.00	-22.01	peak
8	17871.454	29.35	23.18	52.53	74.00	-21.47	peak

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. AVG: Average value = AVG (Detector) Reading + Correct (included DCCF).
- 5. For transmit duration, 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)



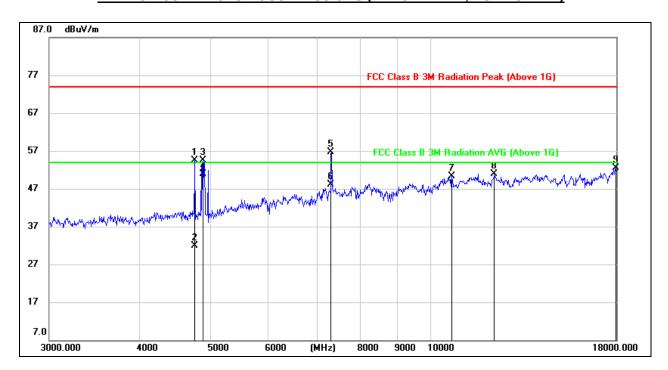
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4805.903	52.08	-0.24	51.84	74.00	-22.16	peak
2	7215.000	54.40	6.92	61.32	74.00	-12.68	peak
3	7215.000	46.03	6.92	52.95	54.00	-1.05	AVG
4	9631.584	41.93	10.03	51.96	74.00	-22.04	peak
5	12289.276	36.80	14.38	51.18	74.00	-22.82	peak
6	14439.758	34.75	16.39	51.14	74.00	-22.86	peak
7	17775.648	29.85	22.98	52.83	74.00	-21.17	peak

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. AVG: Average value = AVG (Detector) Reading + Correct (included DCCF).
- 5. For transmit duration, 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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HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)

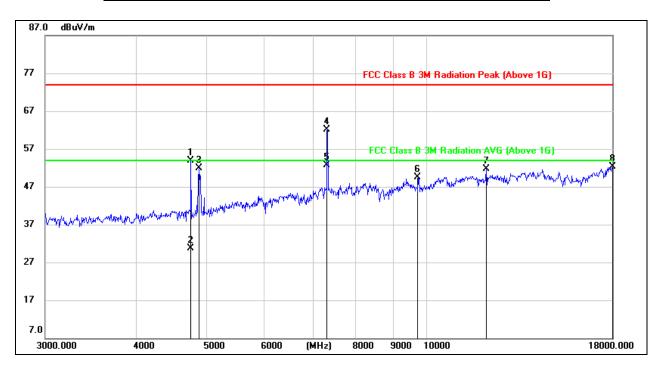


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4752.936	55.03	-0.45	54.58	74.00	-19.42	peak
2	4752.936	32.29	-0.45	31.84	54.00	-22.16	AVG
3	4879.736	54.54	-0.12	54.42	74.00	-19.58	peak
4	4879.736	51.08	-0.12	50.96	54.00	-3.04	AVG
5	7319.586	49.48	7.20	56.68	74.00	-17.32	peak
6	7319.586	40.87	7.20	48.07	54.00	-5.93	AVG
7	10705.542	38.04	12.20	50.24	74.00	-23.76	peak
8	12245.316	36.67	14.31	50.98	74.00	-23.02	peak
9	17967.777	29.33	23.24	52.57	74.00	-21.43	peak

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. AVG: Average value = AVG (Detector) Reading + Correct (included DCCF).
- 5. For transmit duration, 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)

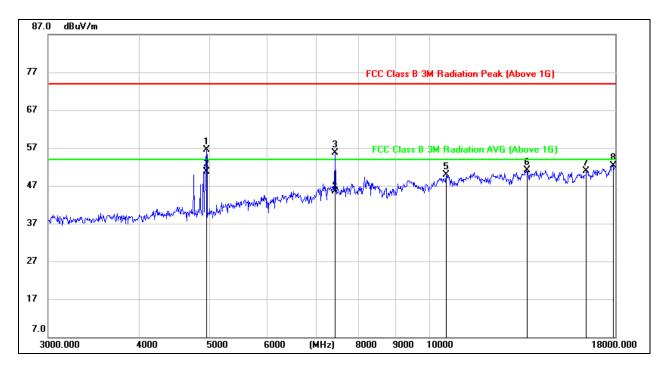


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4754.514	54.30	-0.44	53.86	74.00	-20.14	peak
2	4754.514	31.16	-0.44	30.72	54.00	-23.28	AVG
3	4875.288	52.00	-0.12	51.88	74.00	-22.12	peak
4	7319.626	54.98	7.20	62.18	74.00	-11.82	peak
5	7319.626	45.56	7.20	52.76	54.00	-1.24	AVG
6	9753.147	39.29	10.14	49.43	74.00	-24.57	peak
7	12092.690	37.40	14.27	51.67	74.00	-22.33	peak
8	18000.000	28.97	23.27	52.24	74.00	-21.76	peak

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. AVG: Average value = AVG (Detector) Reading + Correct (included DCCF).
- 5. For transmit duration, 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)

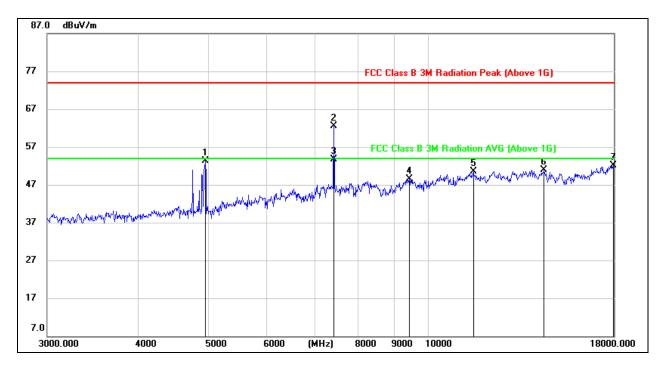


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4949.730	56.37	0.19	56.56	74.00	-17.44	peak
2	4949.730	50.51	0.19	50.70	54.00	-3.30	AVG
3	7425.000	48.36	7.42	55.78	74.00	-18.22	peak
4	7425.000	38.14	7.42	45.56	54.00	-8.44	AVG
5	10591.067	37.22	12.69	49.91	74.00	-24.09	peak
6	13610.714	35.07	16.06	51.13	74.00	-22.87	peak
7	16428.079	32.24	18.66	50.90	74.00	-23.10	peak
8	17935.612	29.15	23.19	52.34	74.00	-21.66	peak

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. AVG: Average value = AVG (Detector) Reading + Correct (included DCCF).
- 5. For transmit duration, 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)



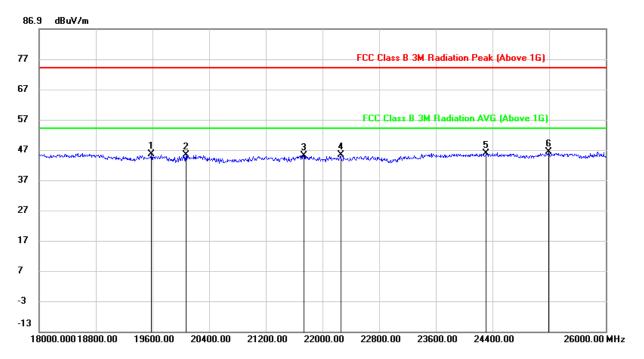
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4945.674	53.05	0.17	53.22	74.00	-20.78	peak
2	7424.540	55.02	7.43	62.45	74.00	-11.55	peak
3	7424.540	46.32	7.43	53.75	54.00	-0.25	AVG
4	9426.705	38.07	10.34	48.41	74.00	-25.59	peak
5	11562.963	36.44	14.14	50.58	74.00	-23.42	peak
6	14439.758	34.48	16.39	50.87	74.00	-23.13	peak
7	17967.777	28.90	23.24	52.14	74.00	-21.86	peak

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. AVG: Average value = AVG (Detector) Reading + Correct (included DCCF).
- 5. For transmit duration, 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.



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/m)	(dBuV/m)	(dB)	
1	19584.000	50.17	-4.64	45.53	74.00	-28.47	peak
2	20072.000	49.84	-4.51	45.33	74.00	-28.67	peak
3	21736.000	50.82	-5.76	45.06	74.00	-28.94	peak
4	22256.000	51.45	-6.06	45.39	74.00	-28.61	peak
5	24312.000	49.10	-3.35	45.75	74.00	-28.25	peak
6	25192.000	47.49	-1.16	46.33	74.00	-27.67	peak

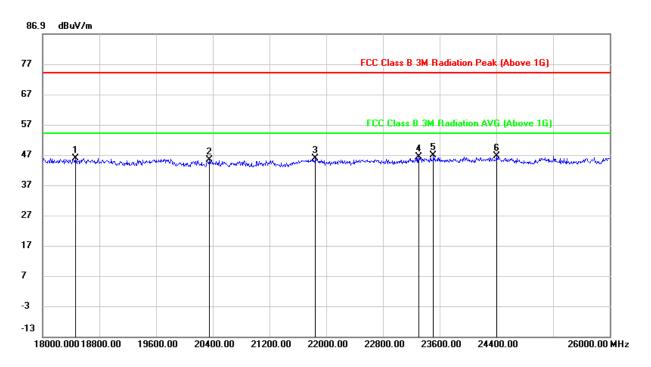
Note: 1. Measurement = Reading Level + Correct Factor.

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

3. Peak: Peak detector.



<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	18464.000	50.20	-4.39	45.81	74.00	-28.19	peak
2	20352.000	50.21	-4.91	45.30	74.00	-28.70	peak
3	21848.000	51.76	-5.95	45.81	74.00	-28.19	peak
4	23304.000	51.37	-5.16	46.21	74.00	-27.79	peak
5	23512.000	51.51	-4.76	46.75	74.00	-27.25	peak
6	24400.000	49.64	-2.99	46.65	74.00	-27.35	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.

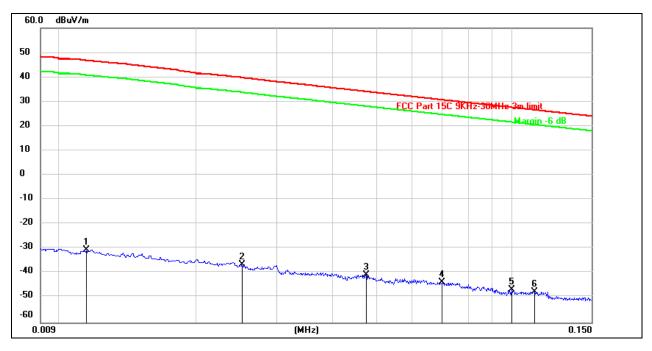
Note: All test mode has been tested, only the worst data record in the report.



7.6. SPURIOUS EMISSIONS BELOW 30M

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

9kHz~ 150kHz

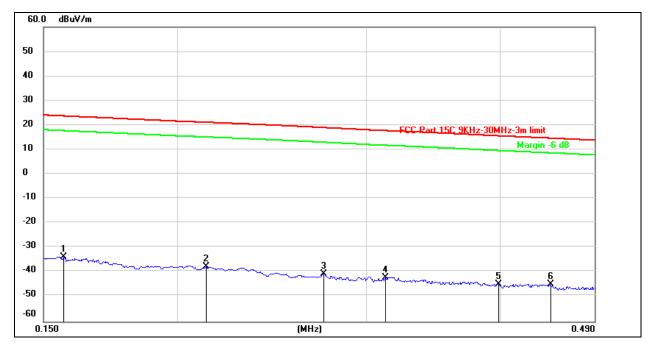


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.0114	70.95	-101.40	-30.45	46.76	-77.21	peak
2	0.0252	64.82	-101.37	-36.55	39.75	-76.30	peak
3	0.0475	60.94	-101.47	-40.53	34.10	-74.63	peak
4	0.0700	57.82	-101.57	-43.75	30.70	-74.45	peak
5	0.1000	55.17	-101.80	-46.63	27.60	-74.23	peak
6	0.1121	54.24	-101.76	-47.52	26.62	-74.14	peak

- 2. All the modes had been tested, but only the worst data were recorded in the report.
- 3. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.



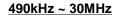


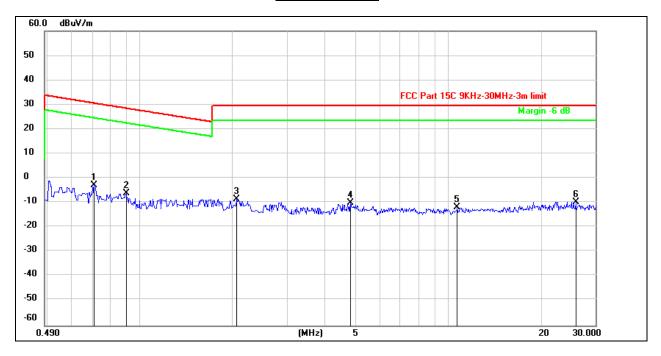


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.1565	68.03	-101.65	-33.62	23.72	-57.34	peak
2	0.2127	63.95	-101.74	-37.79	21.13	-58.92	peak
3	0.2736	61.08	-101.83	-40.75	18.99	-59.74	peak
4	0.3125	59.83	-101.87	-42.04	17.75	-59.79	peak
5	0.3986	57.25	-101.96	-44.71	15.59	-60.30	peak
6	0.4460	57.08	-102.01	-44.93	14.66	-59.59	peak

- 2. All the modes had been tested, but only the worst data were recorded in the report.
- 3. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.







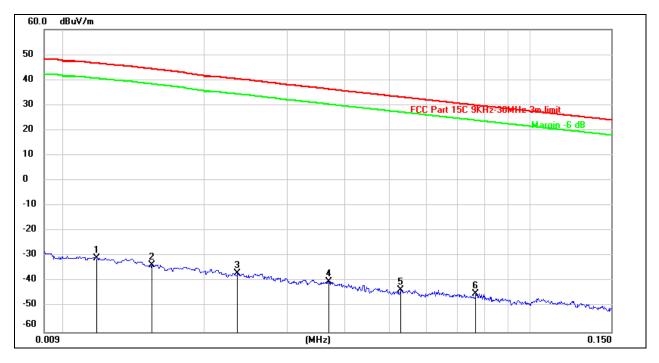
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.7096	59.36	-62.12	-2.76	30.59	-33.35	peak
2	0.9031	55.94	-62.21	-6.27	28.49	-34.76	peak
3	2.0598	53.26	-61.81	-8.55	29.54	-38.09	peak
4	4.8075	51.53	-61.45	-9.92	29.54	-39.46	peak
5	10.7004	48.86	-60.83	-11.97	29.54	-41.51	peak
6	25.8978	50.76	-60.36	-9.60	29.54	-39.14	peak

- 2. All the modes had been tested, but only the worst data were recorded in the report.
- 3. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.



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

9kHz~ 150kHz



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.0117	70.79	-101.39	-30.60	46.58	-77.18	peak
2	0.0154	68.00	-101.37	-33.37	44.35	-77.72	peak
3	0.0235	64.52	-101.36	-36.84	40.35	-77.19	peak
4	0.0369	61.43	-101.42	-39.99	36.34	-76.33	peak
5	0.0529	58.18	-101.49	-43.31	33.16	-76.47	peak
6	0.0767	56.78	-101.61	-44.83	29.92	-74.75	peak

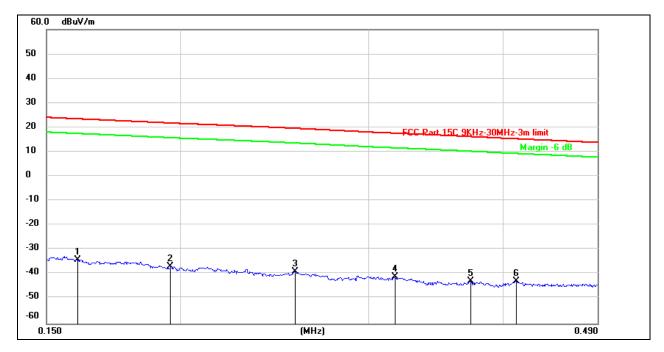
Note: 1. Measurement = Reading Level + Correct Factor.

2. All the modes had been tested, but only the worst data were recorded in the report.

3. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.



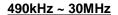


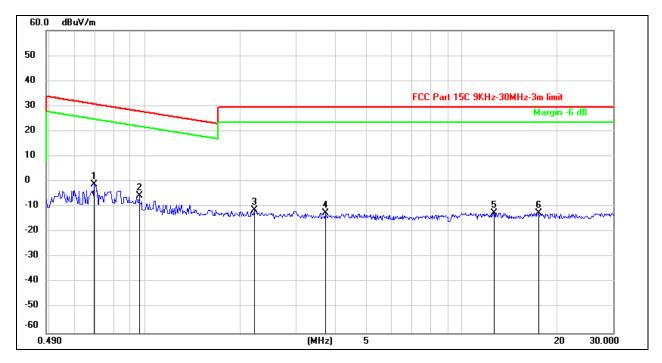


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.1604	67.64	-101.65	-34.01	23.50	-57.51	peak
2	0.1958	64.98	-101.71	-36.73	21.77	-58.50	peak
3	0.2560	63.06	-101.80	-38.74	19.61	-58.35	peak
4	0.3173	60.99	-101.87	-40.88	17.63	-58.51	peak
5	0.3734	59.09	-101.93	-42.84	16.22	-59.06	peak
6	0.4112	59.10	-101.97	-42.87	15.34	-58.21	peak

- 2. All the modes had been tested, but only the worst data were recorded in the report.
- 3. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.



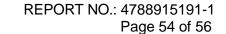




No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.6965	60.98	-62.11	-1.13	30.75	-31.88	peak
2	0.9622	56.78	-62.24	-5.46	27.95	-33.41	peak
3	2.2181	50.51	-61.78	-11.27	29.54	-40.81	peak
4	3.7100	48.83	-61.41	-12.58	29.54	-42.12	peak
5	12.6775	48.60	-60.92	-12.32	29.54	-41.86	peak
6	17.4583	48.56	-60.92	-12.36	29.54	-41.90	peak

- 2. All the modes had been tested, but only the worst data were recorded in the report.
- 3. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.

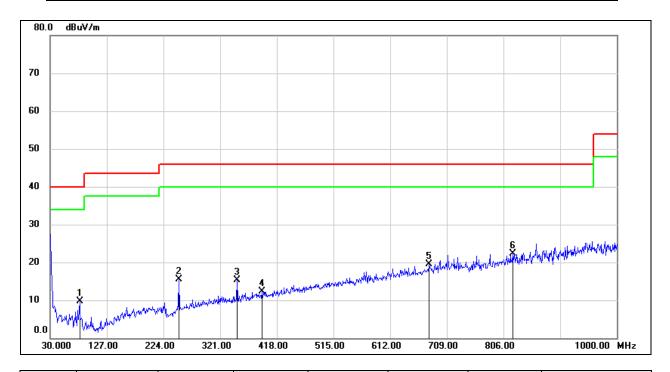
Note: All test mode has been tested, only the worst data record in the report.





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	80.4400	30.01	-20.32	9.69	40.00	-30.31	QP
2	250.1900	31.34	-15.76	15.58	46.00	-30.42	QP
3	350.1000	28.18	-12.80	15.38	46.00	-30.62	QP
4	392.7800	24.33	-12.12	12.21	46.00	-33.79	QP
5	678.9300	26.03	-6.62	19.41	46.00	-26.59	QP
6	821.5200	26.77	-4.50	22.27	46.00	-23.73	QP

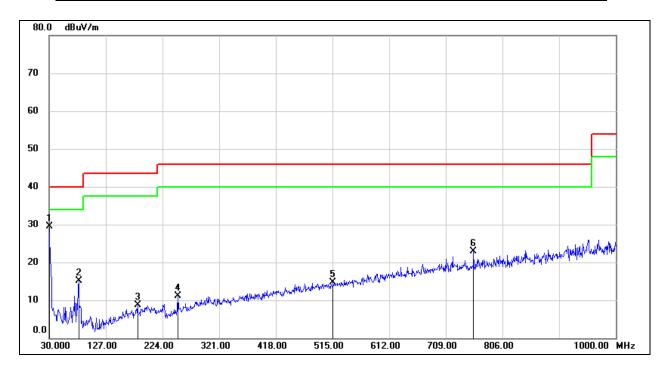
Note: 1. Result Level = Read Level + Correct Factor.

- 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	30.0000	46.39	-16.80	29.59	40.00	-10.41	QP
2	80.4400	35.49	-20.32	15.17	40.00	-24.83	QP
3	181.3200	25.06	-16.45	8.61	43.50	-34.89	QP
4	250.1900	26.81	-15.76	11.05	46.00	-34.95	QP
5	515.9699	24.41	-9.71	14.70	46.00	-31.30	QP
6	756.5300	28.47	-5.49	22.98	46.00	-23.02	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