

CFR 47 FCC PART 15 SUBPART C

TEST REPORT

For

1/18 Scale Buggy/Dune Runner

MODEL NUMBER: VL-6022, VL-6023, VL-6021, GV-6218

FCC ID: 2ASK3GV-6218R

REPORT NUMBER: 4789553893.1-1

ISSUE DATE: July 30, 2020

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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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	07/30/2020	Initial Issue	



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Summary of Test Results **Test Results** Clause Test Items FCC/ISED Rules 20dB Bandwidth and 99% 1 Pass CFR 47 FCC §15.215 (c) Occupied Bandwidth CFR 47 FCC §15.249 (a)(d)(e) Radiated Emission Pass 2 CFR 47 FCC §15.205 and §15.209 3 Antenna Requirement CFR 47 FCC §15.203 Pass

Note 1: This test report is only published to and used by the applicant, and it is not for evidence purpose in China.

Note 2: The measurement result for the sample received is <Pass> according to < CFR 47 FCC PART 15 SUBPART C > when <Accuracy Method> decision rule is applied. Note 3: This is a copy report base on 4789436350-1 which is issued by UL Verification Services

(Guangzhou) Co., Ltd, Song Shan Lake Branch on April 16, 2020. It's only changes the standard from ISED RSS-210 Issue 10 and ISED RSS-GEN Issue 5 to CFR 47 FCC PART 15 SUBPART C and the product name, add new models for the FCC ID application.



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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 Information

EUT Name: 1/18 Scale Buggy/Dune Runner

Model: VL-6022, VL-6023, VL-6021, GV-6218
Model difference: See section 5.1 of this report for detail

Sample Received Date: March 26, 2020

Sample Status: Normal

Date of Tested: March 26, 2020~ April 15, 2020

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

Prepared By: Checked By:

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Laboratory Manager

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2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with KDB 414788 D01 Radiated Test Site v01r01, ANSI C63.10-2013, CFR 47 FCC PART 15 SUBPART C.

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 Declaration of Conformity (DoC) and Certification rules.		
	ISED (Company No.: 21320)		
Accreditation	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

MEASURING INSTRUMENT CALIBRATION 4.1.

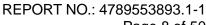
The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations and is traceable to recognized national standards.

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	1/18 Scale Buggy/Dune Runner		
EUT Description	The EUT is a wireless remote car.		
Model VL-6022, VL-6023, VL-6021, GV-6218		18	
Model Difference	fference All the same except for the model name and color.		
Product Description	Operation Frequency 2407 MHz ~ 2477 MHz		
Product Description	Modulation Type GFSK		
Battery DC7.4V 1500mAh 11.1Wh			

5.2. MAXIMUM FIELD STRENGTH

Frequency (MHz)	Channel Number	Max Peak field strength (dBµV/m)	
2477	4[4]	95.95	

5.3. CHANNEL LIST

Channel	Frequency (MHz)	
1	2407	
2	2443	
3	2471	
4	2477	

5.4. DESCRIPTION OF AVAILABLE ANTENNAS

Ant.	Frequency (MHz)	Antenna Type	Antenna Gain (dBi)
1	2407~ 2477	Wire Antenna	0

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(Low Channel), CH 2(MID Channel), CH 4(High Channel)	2407MHz, 2443MHz, 2477MHz	



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THE WORSE CASE POWER SETTING PARAMETER 5.6.

The Worse Case Power Setting Parameter under 2407 MHz ~ 2477 MHz Band					
Test Software Version /					
Modulation Type	Transmit Antenna Number	Test Channel			
		CH 1	CH 2	CH 4	
GFSK	1	Default	Default	Default	

5.7. TEST ENVIRONMENT

Environment Parameter	Selected Values During Tests			
Relative Humidity	55 ~ 65%			
Atmospheric Pressure:	1025Pa			
Temperature	TN 22 ~ 28°C			
	VL	/		
Voltage:	VN	DC 7.4V		
	VH	/		

Note: VL= Lower Extreme Test Voltage

VN= Nominal Voltage

VH= Upper Extreme Test Voltage TN= Normal Temperature



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DESCRIPTION OF TEST SETUP 5.8.

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
/	/	/	/	/	/

ACCESSORY

Item	Equipment	Mfr/Brand	Model/Type No.	Specification	Series No.
/	/	/	/	/	/

TEST SETUP

The EUT have the engineer mode inside.

SETUP DIAGRAM FOR TEST

EUT

Note: New battery was used during all tests.



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5.9. MEASURING INSTRUMENT AND SOFTWARE USED

	Radiated Emissions							
			I	nstrumen	t			
Used	Equipment	Manufacturer	Мо	del No.	Seria	al No.	Last Cal.	Next Cal.
V	MXE EMI Receiver	KESIGHT	N9	9038A	MY564	100036	Dec. 6, 2019	Dec. 6, 2020
V	Hybrid Log Periodic Antenna	TDK	HLF	P-3003C	130	959	Sept.17, 2018	Sept.17,2021
\checkmark	Preamplifier	HP	8	447D	2944A	09099	Dec. 5, 2019	Dec. 5, 2020
V	EMI Measurement Receiver	R&S	Е	SR26	101	377	Dec. 05, 2019	Dec.05, 2020
V	Horn Antenna	TDK	HR	N-0118	130	939	Sept. 17, 2018	Sept.17,2021
V	Preamplifier	TDK	PA-02-0118			-305- 067	Dec. 05, 2019	Dec.05, 2020
V	Loop antenna	Schwarzbeck	1519B		000	800	Jan.17, 2019	Jan.17, 2022
V	Preamplifier	TDK	PA-02-001- 3000			-302- 050	Dec. 05, 2019	Dec.05, 2020
V	High Gain Horn Antenna	Schwarzbeck	BBH	HA-9170	69	91	Aug.11,2018	Aug.11,2021
V	Preamplifier	TDK	P	A-02-2	_	-307- 003	Dec. 05, 2019	Dec.05, 2020
				Software				
Used	Descr	ription		Manufa	cturer		Name	Version
V	Test Software distur			Fara	ad		EZ-EMC	Ver. UL-3A1
			Othe	r instrun	nents			
Used	Equipment	Manufacturer	Мо	del No.	Seria	al No.	Last Cal.	Next Cal.
V	High Pass Filter	Wi	270	HKX10- 0-3000- 00-40SS	2	3	Dec. 05, 2019	Dec.05, 2020
V	Band Reject Filter	Wainwright	235 24	RCJV8- 0-2400- 483.5- 3.5-40SS		4	Dec. 05, 2019	Dec.05, 2020

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6. ANTENNA PORT TEST RESULTS 6.1. ON TIME AND DUTY CYCLE

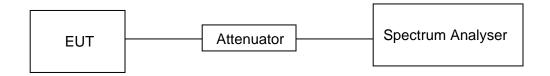
LIMITS

None; for reporting purposes only

PROCEDURE

KDB 558074 Zero-Span Spectrum Analyzer Method

TEST SETUP



TEST ENVIRONMENT

Temperature	22.9°C	Relative Humidity	52%
Atmosphere Pressure	101kPa	Test Voltage	DC 7.4V

RESULTS

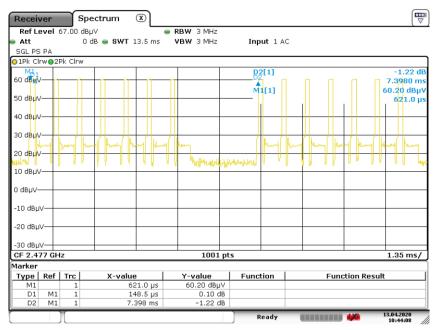
Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (db)
GFSK	14.553	100	0.1455	14.55	-16.74

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

Where: x is Duty Cycle

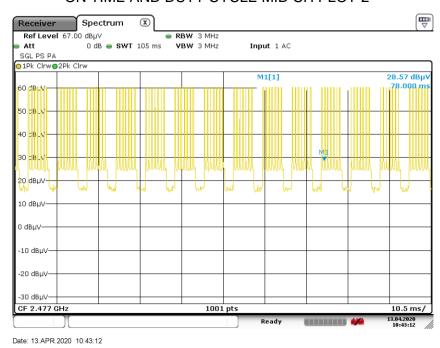


ON TIME AND DUTY CYCLE MID CH PLOT



Date: 13.APR.2020 10:44:09

ON TIME AND DUTY CYCLE MID CH PLOT-2



Note: All the modes had been tested, but only the worst duty cycle 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 RSS-Gen Issue 5					
Section Test Item Limit Frequency Ran (MHz)					
CFR 47 FCC §15.215 (c)	20dB Bandwidth	for reporting purposes only	2400-2483.5		

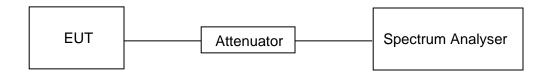
TEST PROCEDURE

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

Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	1% to 5% of the occupied bandwidth
VBW	approximately 3xRBW
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 6 dB/99% relative to the maximum level measured in the fundamental emission.

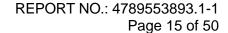
TEST SETUP



TEST ENVIRONMENT

Temperature	22.8°C	Relative Humidity	55%
Atmosphere Pressure	101kPa	Test Voltage	DC 7.4V

RESULTS





Frequency (MHz)

20dB bandwidth (MHz)

99% bandwidth (MHz)

Result

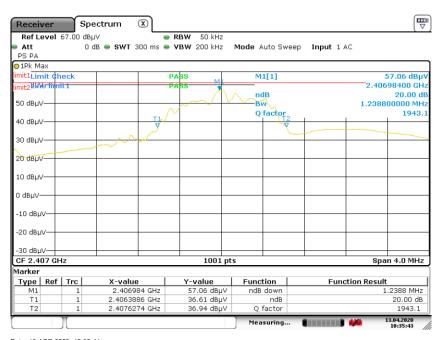
2407

1.239

2.170

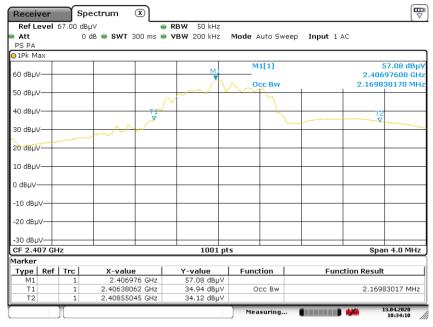
PASS

20 dB BANDWIDTH LOW CH

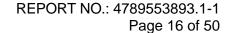


Date: 13.APR.2020 10:35:44

99% OCCUPIED BANDWIDTH LOW CH



Date: 13.APR.2020 10:34:10





Frequency (MHz)

20dB bandwidth (MHz)

99% bandwidth (MHz)

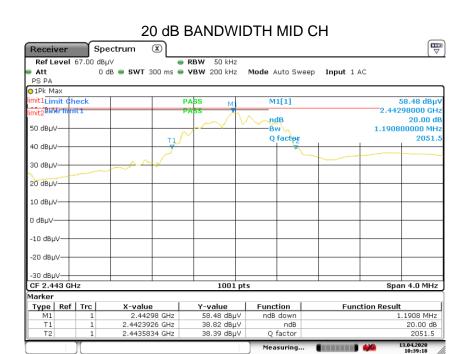
Result

2443

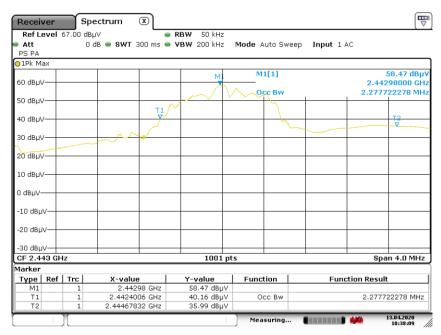
1.191

2.278

PASS

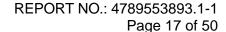


99% OCCUPIED BANDWIDTH MID CH



Date: 13.APR.2020 10:38:10

Date: 13.APR.2020 10:39:18





Frequency (MHz)

20dB bandwidth (MHz)

99% bandwidth (MHz)

Result

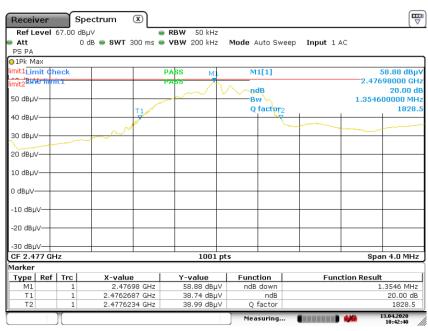
2477

1.355

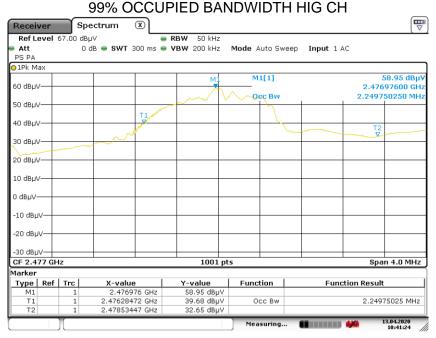
2.250

PASS

20 dB BANDWIDTH HIG CH



Date: 13.APR.2020 10:42:40



Date: 13.APR.2020 10:41:24



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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)(c)(e)

The field strength of emissions from intentional radiators operated within these frequency bands					
Frequency (MHz)	Field strength of Fundamental	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/n	n) at 3 m		
(1411 12)	(4 7/11) 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		

FCC 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						



ISED General field strength limits at frequencies below 30 MHz

Table 6 – General field strength limits at frequencies below 30 MHz							
Frequency	Magnetic field strength (H-Field) (μA/m)	Measurement distance (m)					
9 - 490 kHz ^{Note 1}	6.37/F (F in kHz)	300					
490 - 1705 kHz	63.7/F (F in kHz)	30					
1.705 - 30 MHz	0.08	30					

Note 1: The emission limits for the ranges 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector.

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

	Table 7 – Restricted frequency bands	forte 1
MHz	MHz	GHz
0.090 - 0.110	149.9 - 150.05	9.0 - 9.2
0.495 - 0.505	156.52475 - 156.52525	9.3 - 9.5
2.1735 - 2.1905	156.7 - 156.9	10.6 - 12.7
3.020 - 3.026	162.0125 - 167.17	13.25 - 13.4
4.125 - 4.128	167.72 - 173.2	14.47 - 14.5
4.17725 - 4.17775	240 – 285	15.35 - 16.2
4.20725 - 4.20775	322 - 335.4	17.7 - 21.4
5.677 - 5.683	399.9 - 410	22.01 - 23.12
6.215 - 6.218	608 - 614	23.6 - 24.0
6.26775 - 6.26825	960 - 1427	31.2 - 31.8
6.31175 - 6.31225	1435 - 1626.5	36.43 - 36.5
8.291 - 8.294	1645.5 - 1646.5	Above 38.6
8.362 - 8.366	1660 - 1710	
8.37625 - 8.38675	1718.8 - 1722.2	
8.41425 - 8.41475	2200 - 2300	
12.29 - 12.293	2310 - 2390	
12.51975 - 12.52025	2483.5 - 2500	
12.57675 - 12.57725	2655 - 2900	
13.36 - 13.41	3260 - 3267	
16.42 - 16.423	3332 - 3339	
16.69475 - 16.69525	3345.8 = 3358	
16.80425 - 16.80475	3500 - 4400	
25.5 - 25.67	4500 - 5150	
37.5 - 38.25	5350 - 5460	
73 - 74.6	7250 - 7750	
74.8 - 75.2	8025 - 8500	
108 – 138		

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



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FCC Restricted bands of operation:

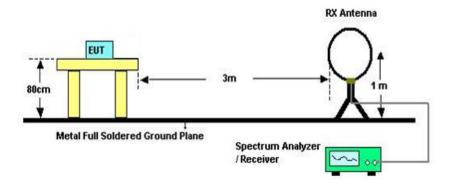
MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	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: ¹Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz. ²Above 38.6c



TEST SETUP AND PROCEDURE

Below 30MHz



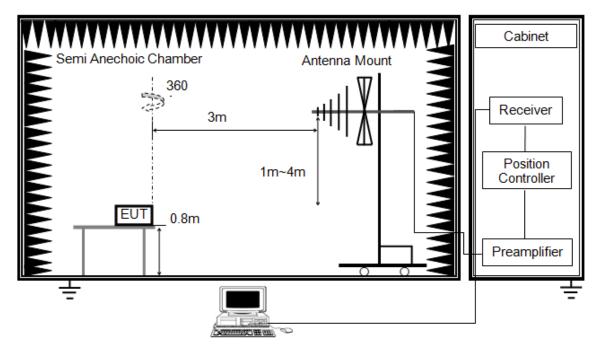
The setting of the spectrum analyser

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, Face-on and Face-off 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 1m 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 1000MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.
- 6. Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30m open field site. Therefore, the 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



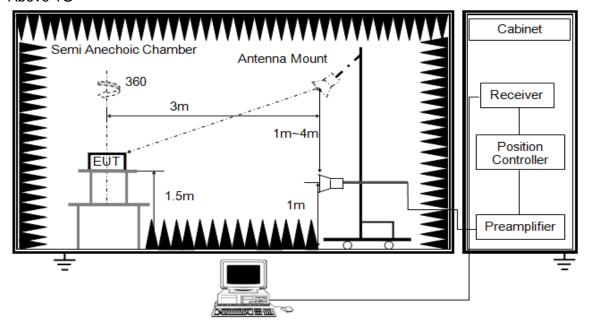
The setting of the spectrum analyser

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. 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



Above 1G



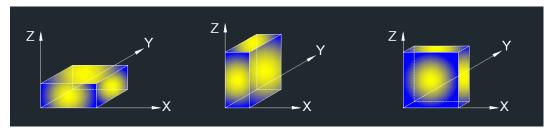
The setting of the spectrum analyser

RBW	1M
VBW	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 or band reject 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 150cm 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 measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements. Where necessary, average emission are determined by applying the Duty Cycle Correction Factor to the peak measurements. For the Duty Cycle and Correction Factor please refer to clause 6.1. ON TIME AND DUTY CYCLE.



X axis, Y axis, Z axis positions:



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

TEST ENVIRONMENT

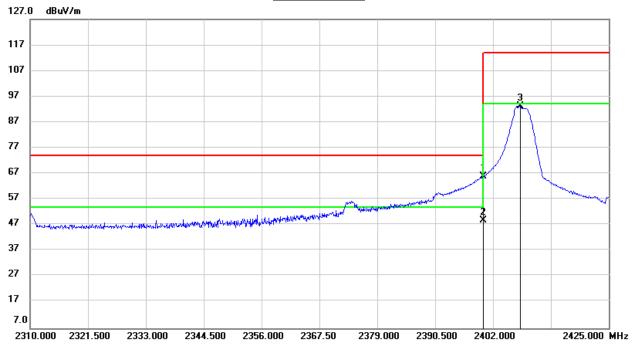
Temperature	22.7°C	Relative Humidity	56%
Atmosphere Pressure	101kPa	Test Voltage	DC 3.0V



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7.2. RESTRICTED BANDEDGE AND FIELD STRENGTH OF INTENTIONAL EMISSIONS

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



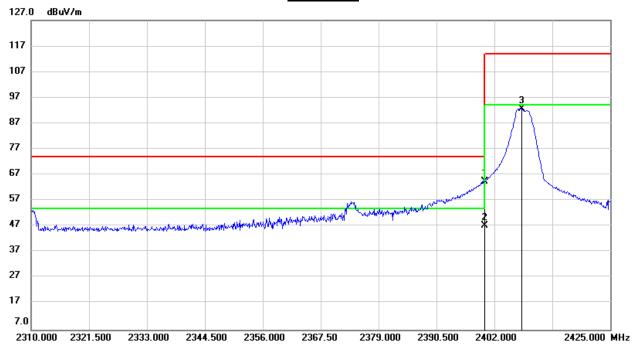
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2400.000	32.97	32.98	65.95	74.00	-8.05	peak
2	2400.000	15.92	32.98	49.21	54.00	-4.79	AVG
3	2407.405	60.17	33.03	93.20	114.00	-20.80	peak

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. AVG Result=Peak Result + Duty Correction Factor.
- 5. For the Duty Cycle and Correction Factor, please refer to clause 6.1.
- 6. 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)

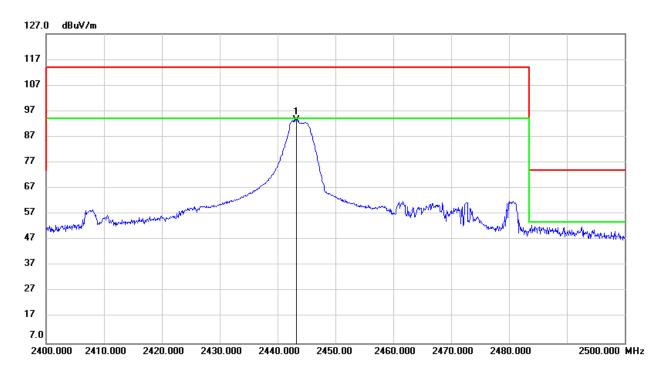


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2400.000	31.45	32.98	64.43	74.00	-9.57	peak
2	2400.000	14.40	32.98	47.69	54.00	-6.31	AVG
3	2407.405	59.68	33.03	92.71	114.00	-21.29	peak

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. AVG Result=Peak Result + Duty Correction Factor.
- 5. For the Duty Cycle and Correction Factor, please refer to clause 6.1.
- 6. 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)

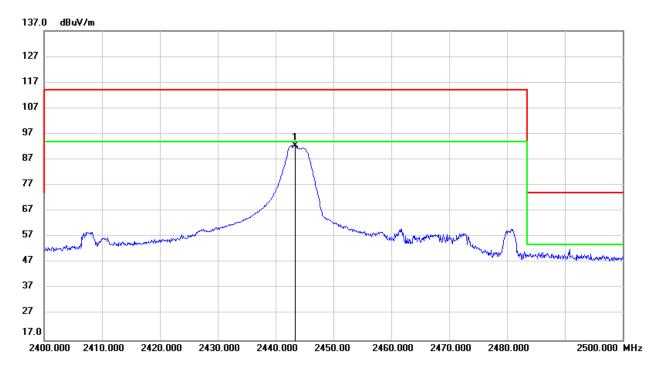


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2443.300	60.14	33.29	93.43	114.00	-20.57	peak

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. AVG Result=Peak Result + Duty Correction Factor.
- 5. For the Duty Cycle and Correction Factor, please refer to clause 6.1.
- 6. 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)



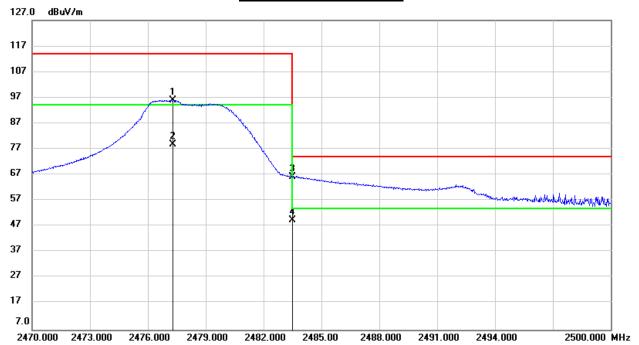
	No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Ī	1	2443.400	59.19	33.29	92.48	114.00	-21.52	peak

- 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 emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



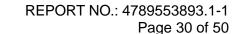
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RESTRICTED BANDEDGE AND FIELD STRENGTH OF INTENTIONAL EMISSIONS (HIGH CHANNEL, HORIZONTAL)



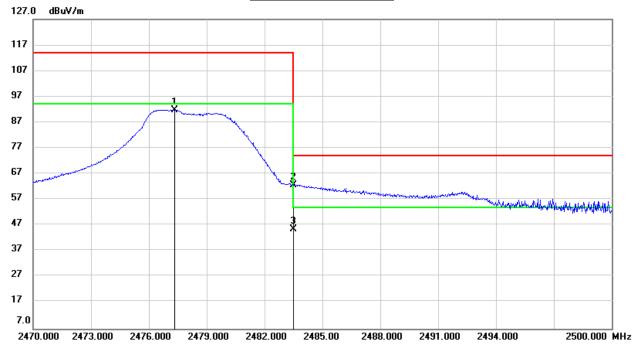
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2477.290	62.41	33.54	95.95	114.00	-18.05	peak
2	2477.290	45.36	33.54	79.21	94.00	-14.79	AVG
3	2483.500	32.81	33.58	66.39	74.00	-7.61	peak
4	2483.500	15.76	33.58	49.65	54	-4.35	AVG

- 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 emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.





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



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2477.320	58.24	33.54	91.78	114.00	-22.22	peak
2	2483.500	28.98	33.58	62.56	74.00	-11.44	peak
3	2483.500	11.93	33.58	45.82	54.00	-8.18	AVG

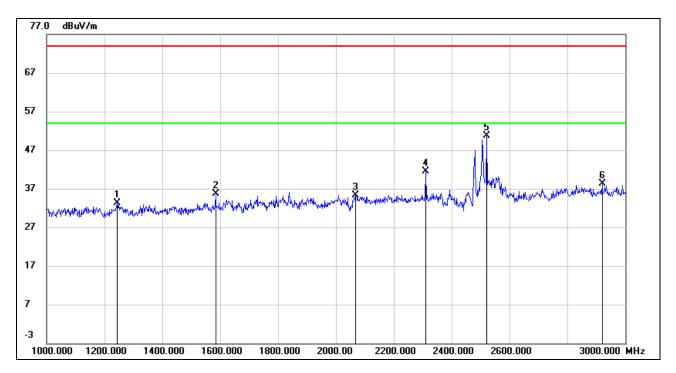
- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. Only the worst emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



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7.3. SPURIOUS EMISSIONS (1~3GHz)

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)

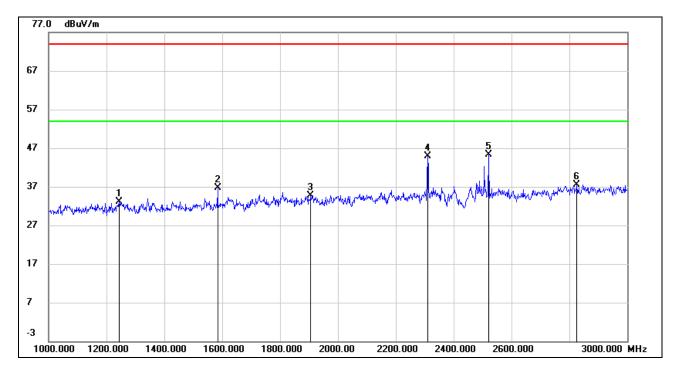


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1244.000	45.92	-12.53	33.39	74.00	-40.61	peak
2	1584.000	47.22	-11.53	35.69	74.00	-38.31	peak
3	2068.000	44.77	-9.37	35.40	74.00	-38.60	peak
4	2310.000	49.57	-8.16	41.41	74.00	-32.59	peak
5	2520.000	58.05	-7.27	50.78	74.00	-23.22	peak
6	2920.000	43.81	-5.48	38.33	74.00	-35.67	peak

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. Filter losses were only considered in then spurious frequency bands and the authorized band was not corrected for BRF losses.
 - 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.



HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



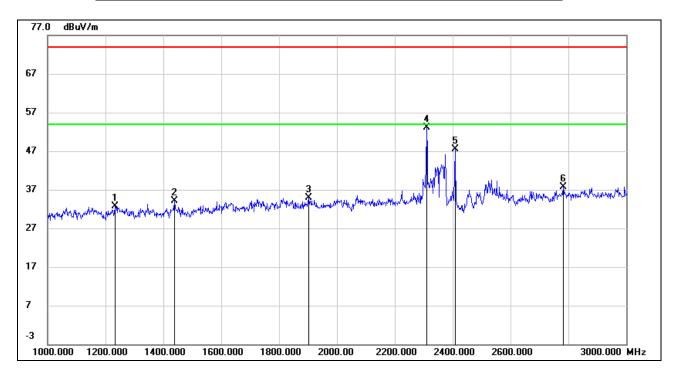
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1244.000	45.72	-12.53	33.19	74.00	-40.81	peak
2	1584.000	48.24	-11.53	36.71	74.00	-37.29	peak
3	1906.000	44.66	-9.94	34.72	74.00	-39.28	peak
4	2310.000	53.09	-8.16	44.93	74.00	-29.07	peak
5	2520.000	52.62	-7.27	45.35	74.00	-28.65	peak
6	2826.000	43.41	-5.92	37.49	74.00	-36.51	peak

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. Filter losses were only considered in then spurious frequency bands and the authorized band was not corrected for BRF losses.
 - 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)

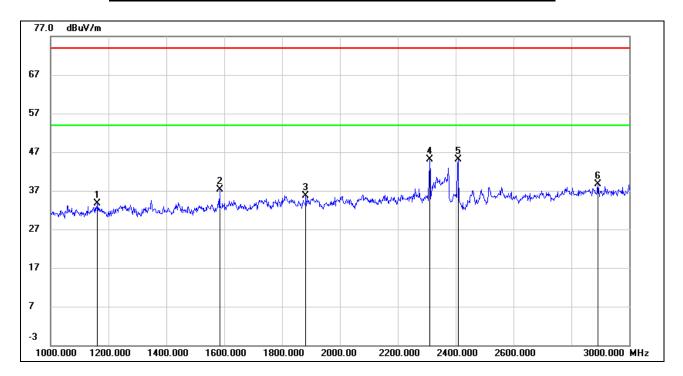


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1232.000	45.36	-12.57	32.79	74.00	-41.21	peak
2	1438.000	46.52	-12.32	34.20	74.00	-39.80	peak
3	1902.000	44.80	-9.94	34.86	74.00	-39.14	peak
4	2310.000	61.25	-8.16	53.09	74.00	-20.91	peak
5	2408.000	55.38	-7.80	47.58	74.00	-26.42	peak
6	2782.000	44.04	-6.25	37.79	74.00	-36.21	peak

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. Filter losses were only considered in then spurious frequency bands and the authorized band was not corrected for BRF losses.
 - 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.



HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)

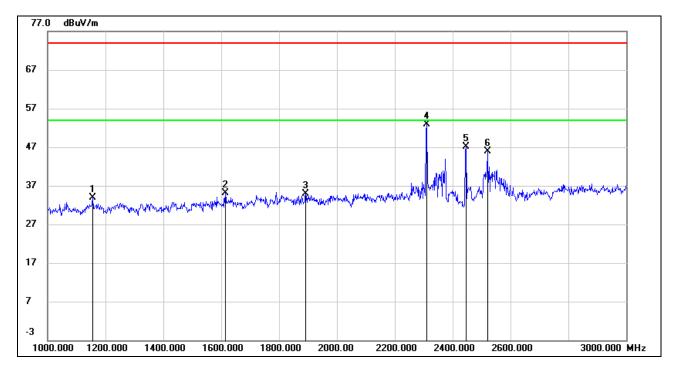


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1162.000	46.62	-13.00	33.62	74.00	-40.38	peak
2	1584.000	48.76	-11.53	37.23	74.00	-36.77	peak
3	1882.000	45.70	-9.95	35.75	74.00	-38.25	peak
4	2310.000	53.32	-8.16	45.16	74.00	-28.84	peak
5	2408.000	52.85	-7.80	45.05	74.00	-28.95	peak
6	2892.000	44.29	-5.57	38.72	74.00	-35.28	peak

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. Filter losses were only considered in then spurious frequency bands and the authorized band was not corrected for BRF losses.
 - 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.



HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)

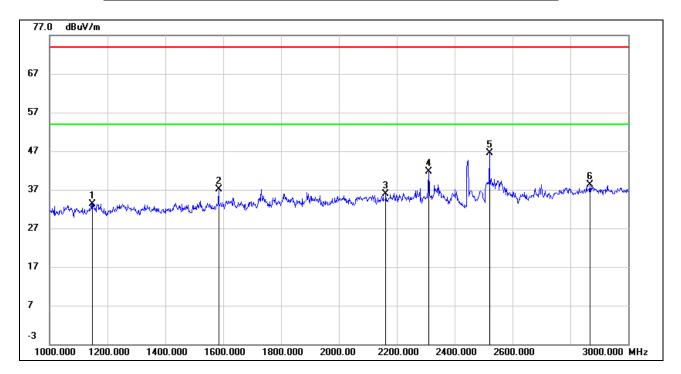


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1156.000	47.00	-13.05	33.95	74.00	-40.05	peak
2	1614.000	46.51	-11.33	35.18	74.00	-38.82	peak
3	1892.000	44.84	-9.95	34.89	74.00	-39.11	peak
4	2310.000	60.97	-8.16	52.81	74.00	-21.19	peak
5	2446.000	54.58	-7.54	47.04	74.00	-26.96	peak
6	2520.000	53.11	-7.27	45.84	74.00	-28.16	peak

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. Filter losses were only considered in then spurious frequency bands and the authorized band was not corrected for BRF losses.
 - 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	1148.000	46.50	-13.11	33.39	74.00	-40.61	peak
2	1584.000	48.61	-11.53	37.08	74.00	-36.92	peak
3	2162.000	44.71	-8.85	35.86	74.00	-38.14	peak
4	2310.000	49.89	-8.16	41.73	74.00	-32.27	peak
5	2520.000	53.86	-7.27	46.59	74.00	-27.41	peak
6	2868.000	44.05	-5.70	38.35	74.00	-35.65	peak

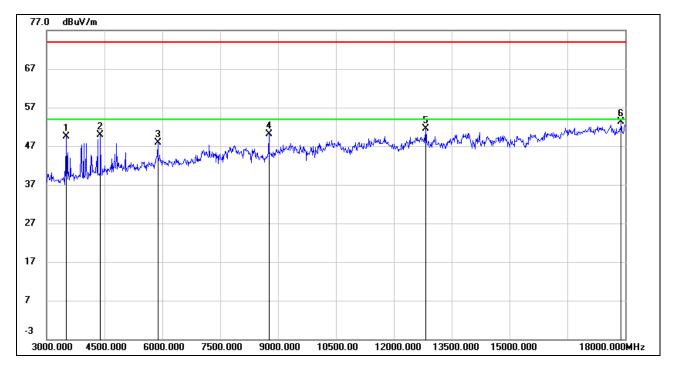
- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. Filter losses were only considered in then spurious frequency bands and the authorized band was not corrected for BRF losses.
 - 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.



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7.4. SPURIOUS EMISSIONS (3~18GHz)

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



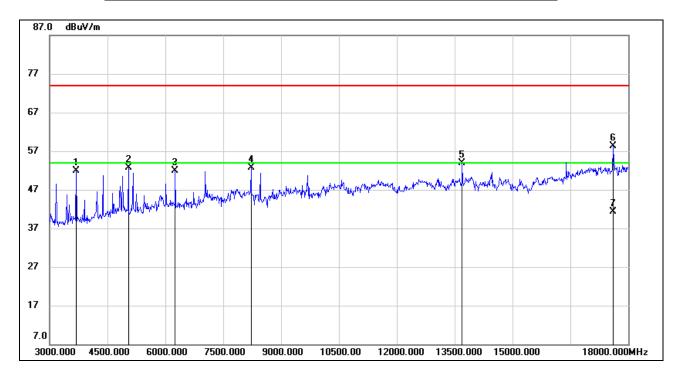
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	3510.000	53.49	-3.93	49.56	74.00	-24.44	peak
2	4395.000	51.69	-1.73	49.96	74.00	-24.04	peak
3	5880.000	43.25	4.59	47.84	74.00	-26.16	peak
4	8760.000	42.34	7.84	50.18	74.00	-23.82	peak
5	12825.000	36.05	15.48	51.53	74.00	-22.47	peak
6	17895.000	29.96	23.34	53.30	74.00	-20.70	peak

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. The High Pass 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 (LOW CHANNEL, VERTICAL)



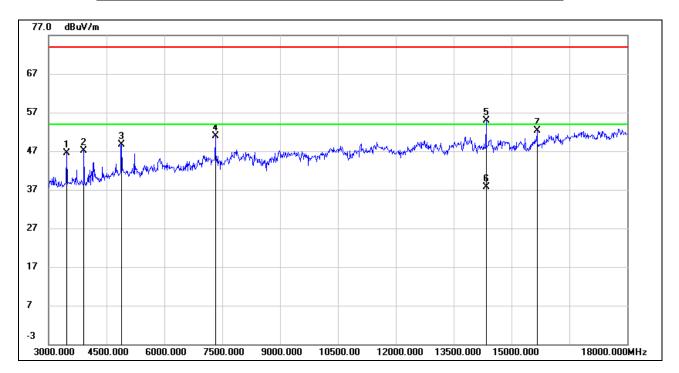
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	3690.000	54.77	-2.81	51.96	74.00	-22.04	peak
2	5040.000	51.17	1.46	52.63	74.00	-21.37	peak
3	6255.000	48.03	3.83	51.86	74.00	-22.14	peak
4	8220.000	44.56	8.22	52.78	74.00	-21.22	peak
5	13695.000	37.97	15.87	53.84	74.00	-20.16	peak
6	17610.000	36.52	21.86	58.38	74.00	-15.62	peak
7	17610.000	19.47	21.86	41.33	54.00	-12.67	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 the Duty Cycle and Correction Factor, please refer to clause 6.1.
- 6. The High Pass filter loss factor already add into the correct factor.
- 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.



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HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)

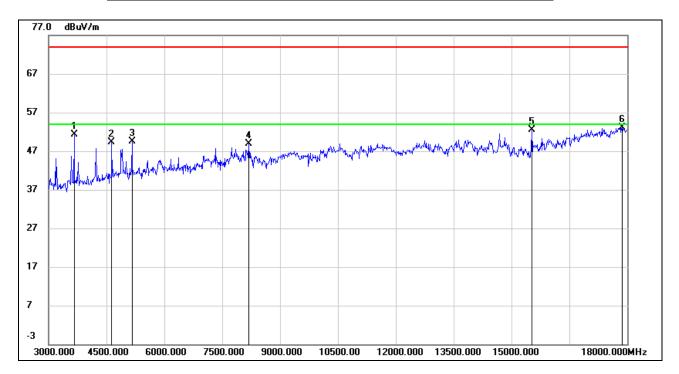


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	3465.000	50.70	-4.12	46.58	74.00	-27.42	peak
2	3915.000	50.01	-2.93	47.08	74.00	-26.92	peak
3	4890.000	47.94	0.82	48.76	74.00	-25.24	peak
4	7320.000	44.84	6.14	50.98	74.00	-23.02	peak
5	14340.000	38.54	16.27	54.81	74.00	-19.19	peak
6	14340.000	21.49	16.27	38.07	54.00	-15.93	AVG
7	15660.000	35.53	16.80	52.33	74.00	-21.67	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 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)

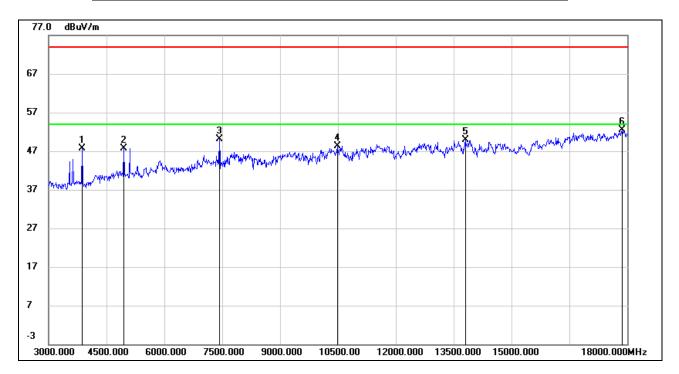


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	3660.000	54.28	-3.05	51.23	74.00	-22.77	peak
2	4635.000	49.42	-0.21	49.21	74.00	-24.79	peak
3	5160.000	47.47	2.00	49.47	74.00	-24.53	peak
4	8190.000	40.63	8.36	48.99	74.00	-25.01	peak
5	15525.000	36.03	16.43	52.46	74.00	-21.54	peak
6	17865.000	29.77	23.33	53.10	74.00	-20.90	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 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)

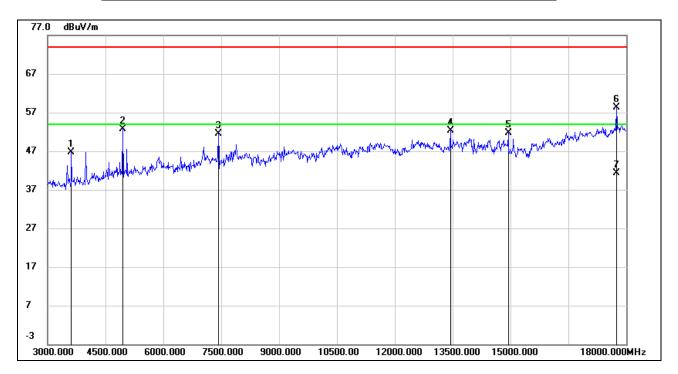


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	3870.000	50.52	-2.90	47.62	74.00	-26.38	peak
2	4950.000	46.64	1.13	47.77	74.00	-26.23	peak
3	7425.000	43.71	6.39	50.10	74.00	-23.90	peak
4	10485.000	36.97	11.32	48.29	74.00	-25.71	peak
5	13800.000	32.72	17.10	49.82	74.00	-24.18	peak
6	17865.000	29.14	23.33	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 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)



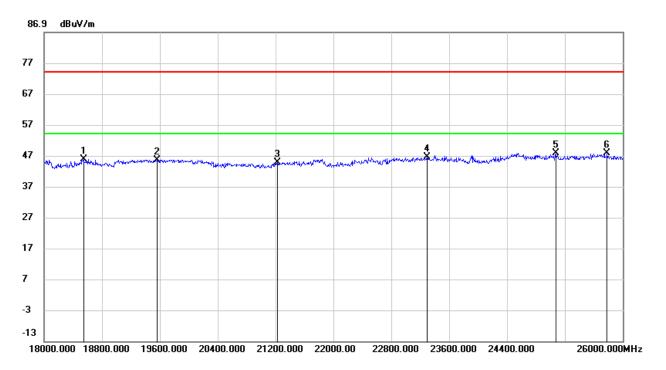
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	3615.000	50.15	-3.40	46.75	74.00	-27.25	peak
2	4950.000	51.56	1.13	52.69	74.00	-21.31	peak
3	7425.000	45.19	6.39	51.58	74.00	-22.42	peak
4	13440.000	36.40	15.98	52.38	74.00	-21.62	peak
5	14940.000	35.71	16.00	51.71	74.00	-22.29	peak
6	17745.000	35.47	22.82	58.29	74.00	-15.71	peak
7	17745.000	18.42	22.82	41.55	54.00	-12.45	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 the Duty Cycle and Correction Factor, please refer to clause 6.1.
- 6. The High Pass filter loss factor already add into the correct factor.
- 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.



7.5. SPURIOUS EMISSIONS (18~26GHz)

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, WORST-CASE CONFIGURATION, HORIZONTAL)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	18544.000	50.26	-4.46	45.80	74.00	-28.20	peak
2	19560.000	50.31	-4.69	45.62	74.00	-28.38	peak
3	21224.000	50.35	-5.47	44.88	74.00	-29.12	peak
4	23296.000	51.80	-5.16	46.64	74.00	-27.36	peak
5	25072.000	48.98	-1.11	47.87	74.00	-26.13	peak
6	25784.000	49.23	-1.49	47.74	74.00	-26.26	peak

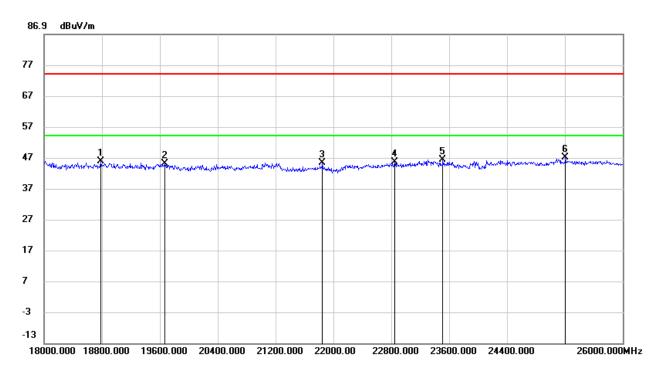
Note: 1. Measurement = Reading Level + Correct Factor.

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

3. Peak: Peak detector.



HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, WORST-CASE CONFIGURATION, VERTICAL)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	18784.000	50.55	-4.84	45.71	74.00	-28.29	peak
2	19672.000	49.45	-4.48	44.97	74.00	-29.03	peak
3	21848.000	51.26	-5.95	45.31	74.00	-28.69	peak
4	22848.000	51.10	-5.69	45.41	74.00	-28.59	peak
5	23512.000	51.01	-4.76	46.25	74.00	-27.75	peak
6	25208.000	48.13	-1.16	46.97	74.00	-27.03	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.

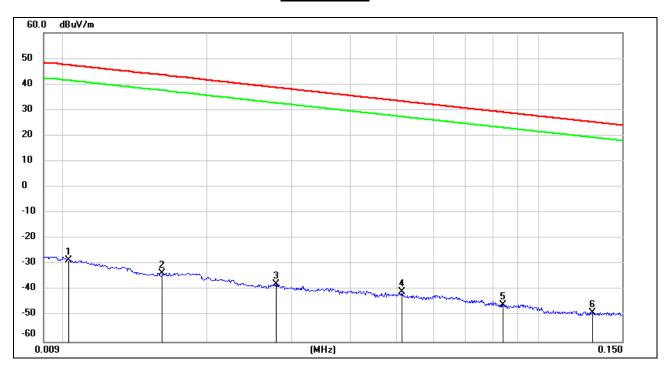
Note: All test modes had been tested, only the worst data record in the report.

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7.6. SPURIOUS EMISSIONS BELOW 30MHz

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

9kHz~ 150kHz

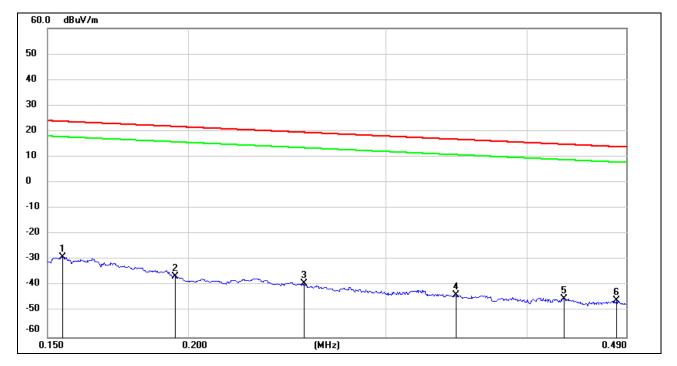


No.	Frequency	Reading	Correct	Result	Limit	ISED	ISED	Margin	Remark
						Result	Limit		
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuA/m)	(dBuA/m)	(dB)	
1	0.0102	73.05	-101.40	-28.35	47.43	-79.85	-4.07	-75.78	peak
2	0.0160	67.97	-101.37	-33.40	43.52	-84.9	-7.98	-76.92	peak
3	0.0279	63.67	-101.38	-37.71	38.69	-89.21	-12.81	-76.40	peak
4	0.0514	60.68	-101.48	-40.80	33.38	-92.3	-18.12	-74.18	peak
5	0.0840	56.01	-101.67	-45.66	29.12	-97.16	-22.38	-74.78	peak
6	0.1300	52.93	-101.70	-48.77	25.33	-100.27	-26.17	-74.10	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.
 - 4. $dBuA/m = dBuV/m 20log10(120\pi) = dBuV/m -51.5$.



150kHz ~ 490kHz

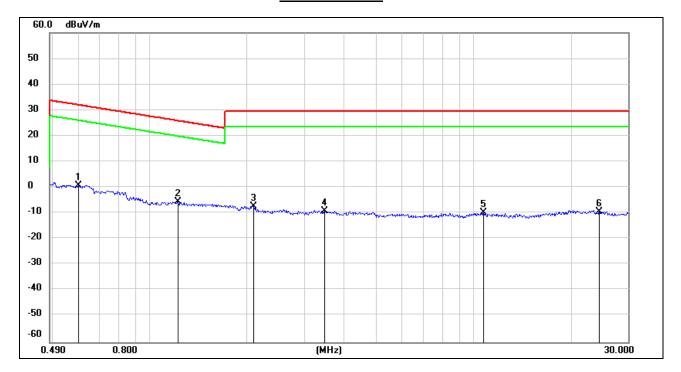


No.	Frequency	Reading	Correct	Result	Limit	ISED	ISED	Margin	Remark
						Result	Limit		
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuA/m)	(dBuA/m)	(dB)	
1	0.1547	72.81	-101.65	-28.84	23.81	-80.34	-27.69	-52.65	peak
2	0.1948	65.25	-101.71	-36.46	21.81	-87.96	-29.69	-58.27	peak
3	0.2534	62.64	-101.80	-39.16	19.53	-90.66	-31.97	-58.69	peak
4	0.3462	58.24	-101.90	-43.66	16.82	-95.16	-34.68	-60.48	peak
5	0.4314	56.97	-101.99	-45.02	14.90	-96.52	-36.6	-59.92	peak
6	0.4803	56.18	-102.04	-45.86	13.97	-97.36	-37.53	-59.83	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.
 - 4. $dBuA/m = dBuV/m 20log10(120\pi) = dBuV/m -51.5$.



490kHz ~ 30MHz



No.	Frequency	Reading	Correct	Result	Limit	ISED	ISED	Margin	Remark
						Result	Limit		
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuA/m)	(dBuA/m)	(dB)	
1	0.6018	62.76	-62.08	0.68	32.01	-50.82	-19.49	-31.33	peak
2	1.2214	56.62	-62.16	-5.54	25.87	-57.04	-25.63	-31.41	peak
3	2.0853	54.57	-61.80	-7.23	29.54	-58.73	-21.96	-36.77	peak
4	3.4704	52.35	-61.46	-9.11	29.54	-60.61	-21.96	-38.65	peak
5	10.7299	50.98	-60.83	-9.85	29.54	-61.35	-21.96	-39.39	peak
6	24.5106	51.08	-60.49	-9.41	29.54	-60.91	-21.96	-38.95	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.
 - 4. $dBuA/m = dBuV/m 20log10(120\pi) = dBuV/m -51.5$.

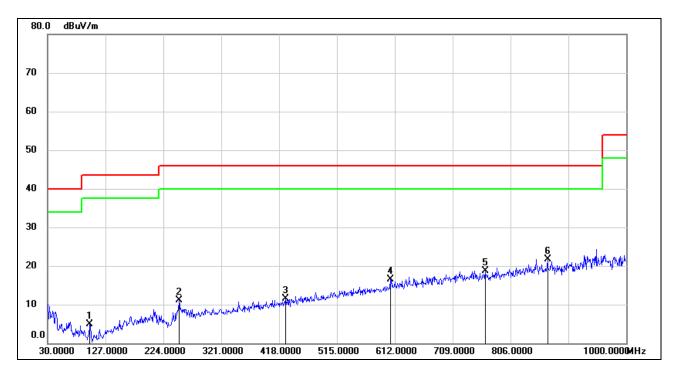
Note: All test modes had been tested, only the worst data record in the report.



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7.7. SPURIOUS EMISSIONS BELOW 1GHz AND ABOVE 30MHz

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



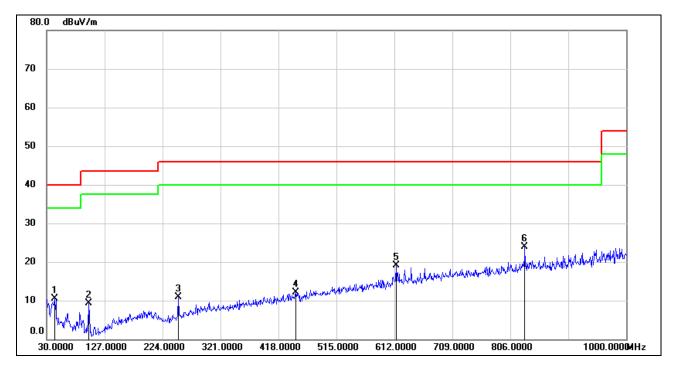
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	100.8100	26.55	-21.71	4.84	43.50	-38.66	QP
2	250.1900	27.47	-16.34	11.13	46.00	-34.87	QP
3	428.6700	23.61	-12.17	11.44	46.00	-34.56	QP
4	604.2400	25.42	-8.85	16.57	46.00	-29.43	QP
5	763.3200	24.80	-6.06	18.74	46.00	-27.26	QP
6	868.0800	26.36	-4.67	21.69	46.00	-24.31	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.



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



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	43.5800	28.53	-17.97	10.56	40.00	-29.44	QP
2	100.8100	31.11	-21.71	9.40	43.50	-34.10	QP
3	250.1900	27.24	-16.34	10.90	46.00	-35.10	QP
4	447.1000	23.94	-11.87	12.07	46.00	-33.93	QP
5	614.9099	27.68	-8.59	19.09	46.00	-26.91	QP
6	830.2500	29.06	-5.11	23.95	46.00	-22.05	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 modes had 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.

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Complies	
<u></u>	
<u>RESULTS</u>	