



## CFR 47 FCC PART 15 SUBPART C ISED RSS-210 ISSUE 10

#### **TEST REPORT**

For

**Remote Control** 

**MODEL NUMBER: YJR201EN** 

FCC ID: 2AX6BYJR201EN

IC: 26730-YJR201EN

REPORT NUMBER: 4789709534-1

ISSUE DATE: December 30, 2020

Prepared for

Guangdong Wealwell Technology Co., Ltd.
Fuzhong Industrial Zone, Guxiang District, Chaozhou City, Guangdong Province,
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Prepared by

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## **Revision History**

Rev.	Issue Date	Revisions	Revised By
V0	11/26/2020	Initial Issue	



Summary of Test Results				
Clause	Test Items	FCC/ISED Rules	Test Results	
1	20 dB Bandwidth and 99 % Occupied Bandwidth	CFR 47 FCC §15.215 (c) ISED RSS-Gen Clause 6.7	Pass	
2	Radiated Emission	CFR 47 FCC §15.249 (a)(d)(e) ISED RSS-210 Annex B B.10 CFR 47 FCC §15.205 and §15.209 RSS-GEN Clause 8.9 RSS-GEN Clause 8.10	Pass	
3	Antenna Requirement	CFR 47 FCC §15.203 ISED RSS-Gen Clause 6.3	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, ISED RSS-210 Issue 10 and ISED RSS-GEN Issue 5 > when <Accuracy Method> decision rule is applied.



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## 1. ATTESTATION OF TEST RESULTS

**Applicant Information** 

Company Name: Guangdong Wealwell Technology Co., Ltd.

Address: Fuzhong Industrial Zone, Guxiang District, Chaozhou City,

Guangdong Province, China 521000

**Manufacturer Information** 

Company Name: Guangdong Wealwell Technology Co., Ltd.

Address: Fuzhong Industrial Zone, Guxiang District, Chaozhou City,

Guangdong Province, China 521000

**EUT Information** 

EUT Name: Remote Control Model: YJR201EN

Sample Received Date: November 9, 2020

Sample ID: 3446373

Date of Tested: November 9~December 30, 2020

APPLICABLE STANDARDS		
STANDARD	TEST RESULTS	
CFR 47 FCC PART 15 SUBPART C	PASS	
ISED RSS-210 ISSUE 10	PASS	
ISED RSS-GEN Issue 5	PASS	

Prepared By:	Checked By:
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Stephen Guo

Laboratory Manager



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## 2. TEST METHODOLOGY

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

#### 3. FACILITIES AND ACCREDITATION

	A2LA (Certificate No.: 4102.01)
	UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.
	has been assessed and proved to be in compliance with A2LA.
	FCC (FCC Designation No.: CN1187)
	UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.
	Has been recognized to perform compliance testing on equipment subject to
	the Commission's 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:

- 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 30 MHz, lab had performed measurements at test anechoic chamber and comparing to measurements obtained on an open field site. And these measurements below 30 MHz 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	3.62 dB
Radiation Emission test (include Fundamental emission) (9 kHz-30 MHz)	2.2 dB
Radiation Emission test (include Fundamental emission) (30 MHz-1 GHz)	4.00 dB
Radiation Emission test	5.78 dB (1 GHz-18 GHz)
(1GHz to 26GHz) (include Fundamental emission)	5.23 dB (18 GHz-26 GHz)

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



5. EQUIPMENT UNDER TEST

## 5.1. DESCRIPTION OF EUT

Equipment	ipment Remote Control		
Model Name	YJR201EN		
Modulation	GFSK		
	Channel ID	Channel Frequency (MHz)	
Transmit Channel Tested:	1	2407	
	2	2437	
Power Supply	3 Vdc		

## 5.2. MAXIMUM FIELD STRENGTH

Frequency (MHz)	Channel Number	Max. Peak Field Strength (dBµV/m)	Max. AVG Field Strength (dBµV/m)
2407&2437	1&2	96.22	85.25

## 5.3. CHANNEL LIST

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2407	2	2437



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## 5.4. DESCRIPTION OF AVAILABLE ANTENNAS

Ant.	Frequency (MHz)	Antenna Type	Antenna Gain (dBi)
1	2407& 2437	onboard serpentine antenna	2

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

Note: The value of the antenna gain was declared by customer.

## 5.5. TEST ENVIRONMENT

Environment Parameter	Selected Va	lues During Tests		
Relative Humidity	55 ~ 65 %			
Atmospheric Pressure:	1	025 Pa		
Temperature	TN	22 ~ 28 °C		
	VL	/		
Voltage:	VN	DC 3 V		
	VH	/		

Note: VL= Lower Extreme Test Voltage

VN= Nominal Voltage

VH= Upper Extreme Test Voltage

TN= Normal Temperature



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## 5.6. DESCRIPTION OF TEST SETUP

#### **SUPPORT EQUIPMENT**

No	support	equipment.	

## **I/O CABLES**

No I/O cable.

## **ACCESSORY**

No Accessory.

## **TEST SETUP**

The EUT have an engineer mode inside.

#### **SETUP DIAGRAM FOR TEST**

EUT

Note: New battery was used during all tests.



5.7. MEASURING INSTRUMENT AND SOFTWARE USED

The last calibration list:

The la	The last calibration list:									
				Co	nduct	ted Emi	ssions	5		
Eq	uipment	Manufa	acturer	Мо	del No		Serial	No.	Last Cal.	Due Date
R	MI Test eceiver	R8	&S	E	SR3		1019	061	Dec. 5, 2019	Dec. 5, 2020
	o-Line V- etwork	R8	&S	EN	NV216		1019	83	Dec. 5, 2019	Dec. 5, 2020
					S	oftware				
		Descri	ption			M	/lanufa	cturer	Name	Version
Т	est Softwar	re for Co	nducted	Emis	sions		Fara	ad	EZ-EMC	Ver. UL-3A1
				R	adiate	ed Emis	sions			
					Ins	strumen	t			
Used			Manufa	cturer	Mod	el No.	Seria	al No.	Last Cal.	Next Cal.
V	MXE E Recei	ver	KESIC	SHT	N90	038A	MY56	400036	Dec. 6, 2019	Dec. 6, 2020
	Hybrid Periodic A	_	TD	K	HLP-	3003C	130	959	Sept.17, 2018	Sept.17,2021
$\overline{\checkmark}$	Preamp	olifier	HF	8447D		47D	2944 <i>P</i>	409099	Dec. 5, 2019	Dec. 5, 2020
	EMI Meası Recei		R&	R&S ESI		R26	101377		Dec. 05, 2019	Dec.05, 2020
$\overline{\checkmark}$	Horn An	tenna	TD	K	HRN-0118		130	939	Sept. 17, 2018	Sept.17,2021
	Preamp	olifier	TD	K	PA-02-0118			-305- 067	Dec. 05, 2019	Dec.05, 2020
$\overline{\checkmark}$	Loop and	tenna	Schwarz	zbeck	k 1519B		00	800	Jan.17, 2019	Jan.17, 2022
	Preamp	olifier	TD	K		2-001- 000		3-302- 050	Dec. 05, 2019	Dec.05, 2020
	High Gair Anten		Schwar	zbeck	BBHA	<b>A-9170</b>	6	91	Aug.11,2018	Aug.11,2021
	Preamp	olifier	TD	K	PA-	-02-2		-307- 003	Dec. 05, 2019	Dec.05, 2020
	Software									
Used			Manufa	cturer		Name	Version			
$\square$	Test	Test Software for Radiated disturbance			Farad E		EZ-EMC	Ver. UL-3A1		
						instrum				
Used	Equipn	nent	Manufa	cturer		el No.	Seria	al No.	Last Cal.	Next Cal.
	High Pass	s Filter	W	i	2700	XX10- -3000- 0-40SS	2	23	Dec. 05, 2019	Dec.05, 2020



High Gain Horn

Antenna

Preamplifier

Schwarzbeck

**TDK** 

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Aug.11,2021

Nov. 11, 2021

Pa

The la	The latest calibration list:								
Conducted Emissions									
Equipment Manufacturer		acturer	Model No.			Serial No.	Last Cal.	Due Date	
	MI Test leceiver	R8	&S	E	SR3		101961	Nov. 12, 2020	Nov. 11, 2021
	o-Line V- Jetwork	R8	&S	ΕN	NV216		101983	Nov. 12, 2020	Nov. 11, 2021
					Softw	are			
		Descri	ption			1	Manufacturer	Name	Version
	Test Softwa	re for Co	nducted E	missi	ons		Farad	EZ-EMC	Ver. UL-3A1
					Radiated E	mis	sions		
					Instrui	ment			
Used	Equipm	ent	Manufact	urer	Model N	0.	Serial No.	Last Cal.	Next Cal.
V	MXE EMI R	eceiver	KESIGH	НΤ	N9038A	4	MY56400036	Nov. 12, 2020	Nov. 11, 2021
<b>V</b>	Hybrid Log Anten		TDK		HLP-300	3C	130959	Aug. 11, 2018	Aug. 10, 2021
V	Preamp	lifier	HP		8447D		2944A09099	Nov. 12, 2020	Nov. 11, 2021
<b>V</b>	EMI Measu Receiv		R&S		ESR26		101377	Nov. 12, 2020	Nov. 11, 2021
✓ Horn Antenna		TDK		HRN-01	18	130939	Sept. 17, 2018	Sept.17,2021	
<b>V</b>	Preamp	lifier	TDK		PA-02-01	18	TRS-305- 00067	Nov. 20, 2020	Nov. 19, 2021
V	Loop ant	enna	Schwarzk	eck	1519B		80000	Jan.17, 2019	Jan.17, 2022
V	Preamp	lifier	TDK		PA-02-00 3000	)1-	TRS-302- 00050	Nov. 12, 2020	Nov. 11, 2021

Software								
Used	Descr	ription		Manufacturer			Name	Version
V	Test Software for Radiated disturbance		nce	Fara	ad EZ-EMC		Ver. UL-3A1	
	Other instruments							
Used	Equipment	Manufacturer	Mo	del No.	Seria	al No.	Last Cal.	Next Cal.
<b>V</b>	High Pass Filter	Wi		HKX10- 0-3000-	2	23	Nov. 12, 2020	Nov. 11, 2021

18000-40SS

BBHA-9170

PA-02-2

691

TRS-307-

00003

Aug.11,2018

Nov. 12, 2020



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

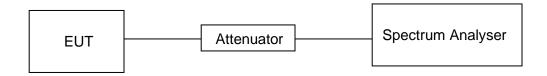
#### **LIMITS**

None; for reporting purposes only

#### **PROCEDURE**

KDB 558074 Zero-Span Spectrum Analyzer Method

#### **TEST SETUP**



## **TEST ENVIRONMENT**

Temperature	26.3 °C	Relative Humidity	68 %
Atmosphere Pressure	101 kPa	Test Voltage	DC 3.0 V

#### **RESULTS**

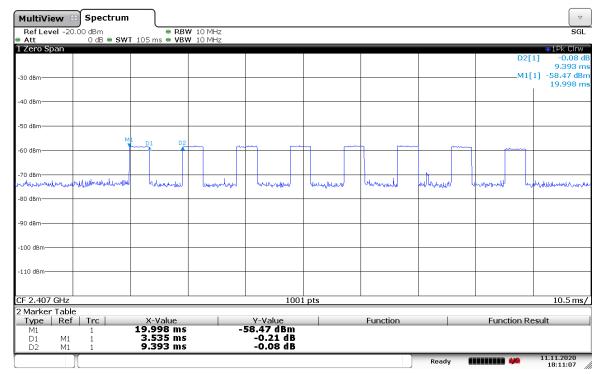
Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (db)
GFSK	28.28	100	0.2828	28.28	-10.97

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

Where: x is Duty Cycle



#### ON TIME AND DUTY CYCLE MID CH PLOT



18:11:07 11.11.2020

Note: All the modes had been tested, but only the worst duty cycle recorded in the report.



6.2. 20 dB BANDWIDTH AND 99 % OCCUPIED BANDWIDTH

#### **LIMITS**

CFR 47 FCC Part15 (15.249) Subpart C RSS-Gen Issue 5						
Section	Test Item	Limit	Frequency Range (MHz)			
CFR 47 FCC §15.215 (c)	20 dB Bandwidth	for reporting purposes only	2400-2483.5			
ISED RSS-Gen Clause 6.7 Issue 5	99 % Occupied Bandwidth	For reporting purposes only.	2400-2483.5			

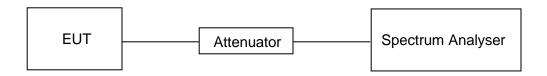
#### TEST PROCEDURE

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

Center Frequency	The center frequency of the channel under test
Detector Peak	
RBW	1 % to 5 % of the occupied bandwidth
VBW	approximately 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**

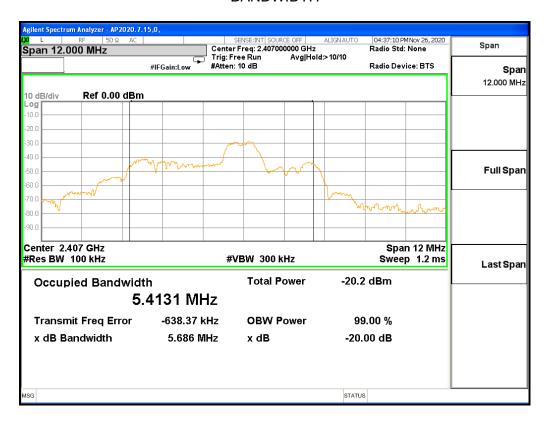
Temperature	26.3 °C	Relative Humidity	68 %
Atmosphere Pressure	101 kPa	Test Voltage	DC 3.0 V

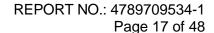


#### **RESULTS**

Frequency (MHz)	20 dB bandwidth (MHz)	99 % bandwidth (MHz)	Result
2407	5.4131	5.686	PASS

#### **BANDWIDTH**

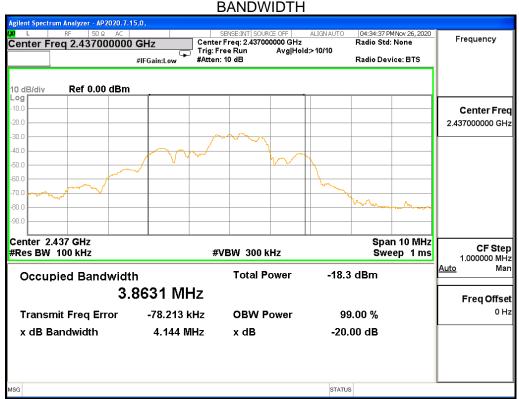






**Frequency** 20 dB bandwidth 99 % bandwidth Result (MHz) (MHz) (MHz) **PASS** 2437 3.8631 4.144







# 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)

ISED RSS-210 Issue 10Annex B B.10

**RSS-GEN Clause 8.9** 

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 (94 dBuV/m)	500 uV/m (54 dBuV/m)	3			
2400 – 2483.5	50 mV/m (94 dBuV/m)	500 uV/m (54 dBuV/m)	3			
5725 – 5875	50 mV/m (94 dBuV/m)	500 uV/m (54 dBuV/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) at 3 m			
(1411 12)	(4 1/111) 41 5 111	Quasi-Peak			
30 - 88	100	40			
88 - 216	150	43.5			
216 - 960	200	46			
Above 960	500	54			
Above 1000	500	Peak Average 74 54			
Above 1000	500				

FCC Emissions radiated outside of the specified frequency bands below 30 MHz					
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 <sup>Note 1</sup>	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.

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

IHz	MHz	GHz
090 - 0.110	149.9 - 150.05	9.0 - 9.2
495 - 0.505	156.52475 - 156.52525	9.3 - 9.5
1735 - 2.1905	156.7 - 156.9	10.6 - 12.7
020 - 3.026	162.0125 - 167.17	13.25 - 13.4
125 - 4.128	167.72 - 173.2	14.47 - 14.5
17725 - 4.17775	240 – 285	15.35 - 16.2
20725 - 4.20775	322 - 335.4	17.7 - 21.4
677 - 5.683	399.9 - 410	22.01 - 23.12
215 - 6.218	608 - 614	23.6 - 24.0
26775 - 6.26825	960 - 1427	31.2 - 31.8
31175 - 6.31225	1435 - 1626.5	36.43 - 36.5
291 - 8.294	1645.5 - 1646.5	Above 38.6
962 - 8.366	1660 - 1710	
7625 - 8.38675	1718.8 - 1722.2	
41425 - 8.41475	2200 · 2300	
29 - 12.293	2310 - 2390	
:51975 - 12:52025	2483.5 - 2500	
.57675 - 12.57725	2655 - 2900	
l.36 - 13.41	3260 - 3267	
i.42 - 16.423	3332 - 3339	
i.69475 - 16.69525	3345.8 - 3358	
.80425 - 16.80475	3500 - 4400	
5 - 25.67	4500 - 5150	
.5 - 38.25	5350 - 5460	
- 74.6	7250 - 7750	
8 - 75.2	8025 - 8500	

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

## FCC Restricted bands of operation:



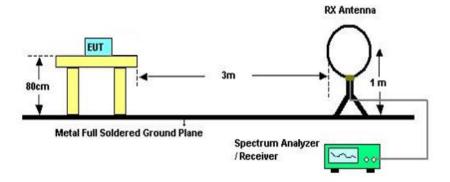
MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
<sup>1</sup> 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	108-121.94 1718.8-1722.2	
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	( <sup>2</sup> )
13.36-13.41			. ,

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



**TEST SETUP AND PROCEDURE** 

#### Below 30 MHz



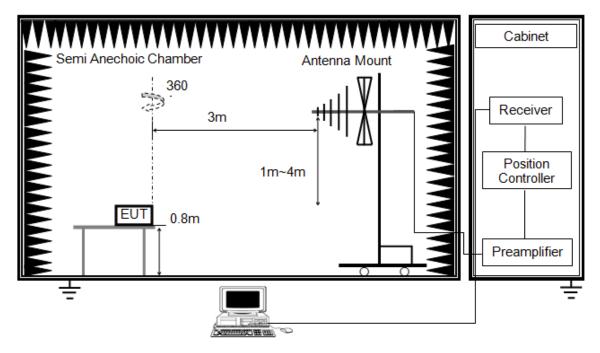
#### The setting of the spectrum analyser

RBW	200 Hz (From 9 kHz to 0.15 MHz)/ 9 kHz (From 0.15 MHz to 30 MHz)
VBW	200 Hz (From 9 kHz to 0.15 MHz)/ 9 kHz (From 0.15 MHz to 30 MHz)
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 1000 MHz. 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 1GHz



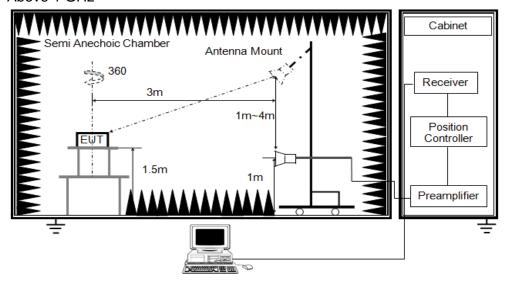
The setting of the spectrum analyser

RBW	120 kHz
VBW	300 kHz
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 1 GHz



The setting of the spectrum analyser: (Field Strength of Fundamental)

RBW	≥ OBW (10 MHz)
VBW	VBW ≥ [3 × RBW]. AVG: see note 5 (30 MHz)
Sweep	Auto
Detector	Peak
Trace	Max hold

The setting of the spectrum analyser: (Bandedge Emission)

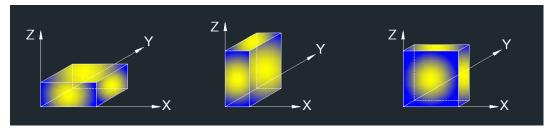
RBW	1 MHz
VBW	PEAK: 3 MHz AVG: see note 5
Sweep	Auto
Detector	Peak
Trace	Max hold

- 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 (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 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 150 cm 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.

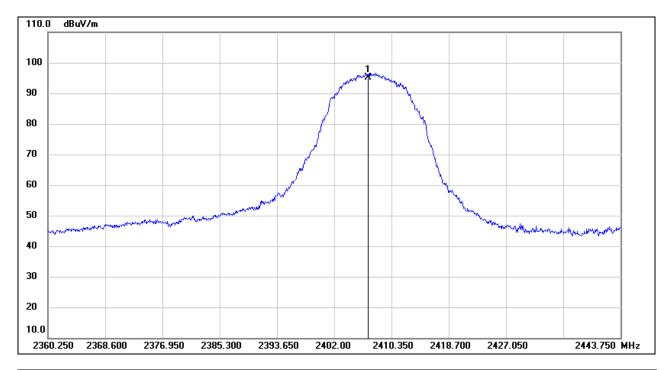
## **TEST ENVIRONMENT**

Temperature	24.2 °C	Relative Humidity	63 %
Atmosphere Pressure	101 kPa	Test Voltage	DC 3.0 V



## 7.2. FIELD STRENGTH OF FUNDAMENTAL

## FIELD STRENGTH OF FUNDAMENTAL (LOW CHANNEL HORIZONTAL)

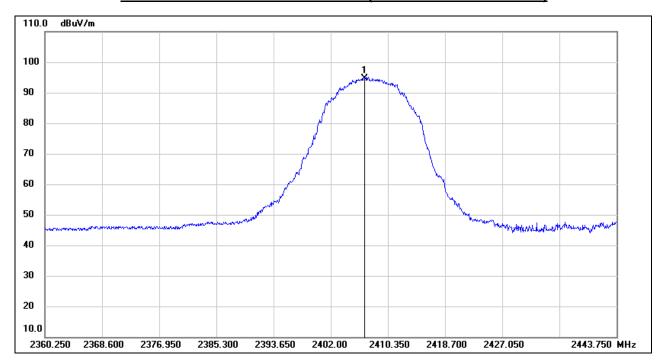


Frequency	Reading	Correct	Peak Result	Average Result	Limit	Margin	Remark
(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	
2407.000	102.51	9 20	95.12	/	114.00	-18.8	peak
2407.000	103.51	-8.39	/	84.15	94.00	-9.85	Average

- 2. Peak: Peak detector.
- 3. Average Result = Peak Result + Duty Correction Factor.
- 4. For the Duty Cycle and Correction Factor, please refer to clause 6.1.



#### FIELD STRENGTH OF FUNDAMENTAL (LOW CHANNEL VERTICAL)

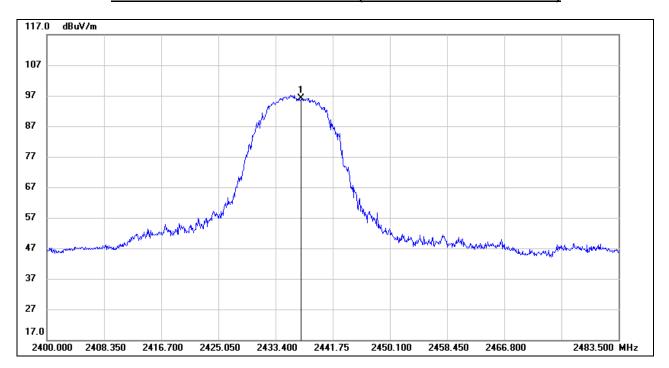


Frequency	Reading	Correct	Peak Result	Average Result	Limit	Margin	Remark
(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	
2407.000	103.01	0 20	94.62	/	114.00	-19.38	peak
2407.000	103.01	-8.39	/	83.65	94.00	-10.35	Average

- 2. Peak: Peak detector.
- 3. Average Result = Peak Result + Duty Correction Factor.
- 4. For the Duty Cycle and Correction Factor, please refer to clause 6.1.



#### FIELD STRENGTH OF FUNDAMENTAL (HIGH CHANNEL HORIZONTAL)

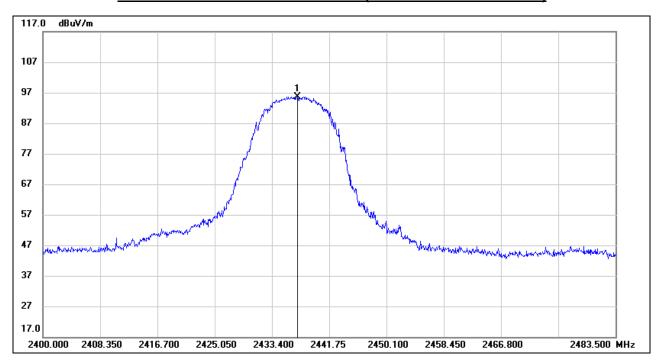


Frequency	Reading	Correct	Peak Result	Average Result	Limit	Margin	Remark
(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	
2437.000	104.55 -8.33	0 22	96.22	/	114.00	-17.78	peak
2437.000		-0.33	/	85.25	94.00	-8.75	Average

- 2. Peak: Peak detector.
- 3. Average Result = Peak Result + Duty Correction Factor.
- 4. For the Duty Cycle and Correction Factor, please refer to clause 6.1.



#### FIELD STRENGTH OF FUNDAMENTAL (HIGH CHANNEL VERTICAL)



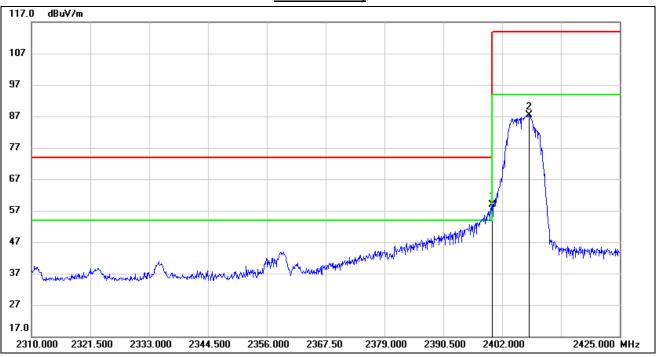
Frequency	Reading	Correct	Peak Result	Average Result	Limit	Margin	Remark
(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	
2427 000	104.05	0 22	95.72	/	114.00	-18.28	peak
2437.000	104.05	-8.33	/	84.75	94.00	-9.25	Average

- 2. Peak: Peak detector.
- 3. Average Result = Peak Result + Duty Correction Factor.
- 4. For the Duty Cycle and Correction Factor, please refer to clause 6.1.



# 7.3. RESTRICTED BANDEDGE AND FIELD STRENGTH OF INTENTIONAL EMISSIONS

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

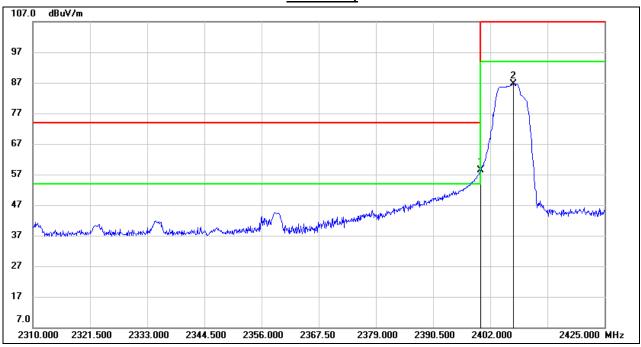


No.	Frequency	Reading	Correct	Peak	AVG	Limit	Margin	Remark
				Result	Result			
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	dBuV/m)	(dBuV/m)	(dB)	
1	2400.000	46.78	12.03	58.81	/	74.00	-15.19	Peak
ı	2400.000			/	47.84	54.00	-6.16	Avg
2	2 2407 200		12.06	87.26	/	114.00	-26.74	Peak
	2407.290	75.20	12.06	/	76.29	94.00	-17.71	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. 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 (LOW CHANNEL, VERTICAL)



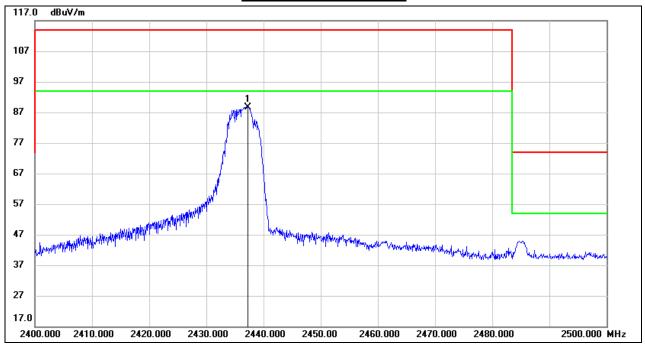
No.	Frequency	Reading	Correct	Peak Result	Avg Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2400.000	46.34	12.03	58.37	/	74.00	-15.63	Peak
'	2400.000			/	47.4	54.00	-6.6	Avg
2	2 2406.715	5 74.51	12.06	86.57	/	114.00	-27.43	Peak
2				/	75.6	94.00	-18.4	Avg

- 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. 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)

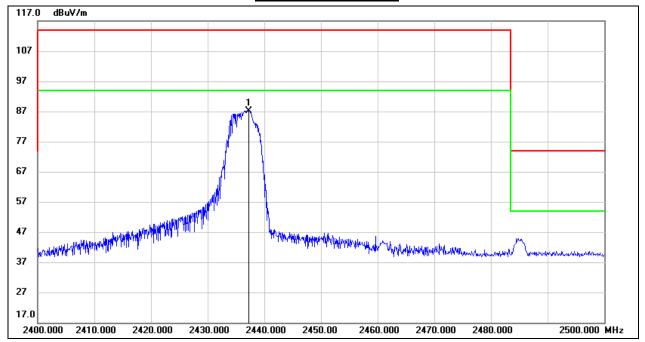


No.	Frequency	Reading	Correct	Peak	Avg	Limit	Margin	Remark
				Result	Result			
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2437.300	76.51	12.19	88.70	/	114.00	-25.30	Peak
	2437.300	70.51	12.19	/	77.73	94.00	-16.27	Avg

- 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. 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)



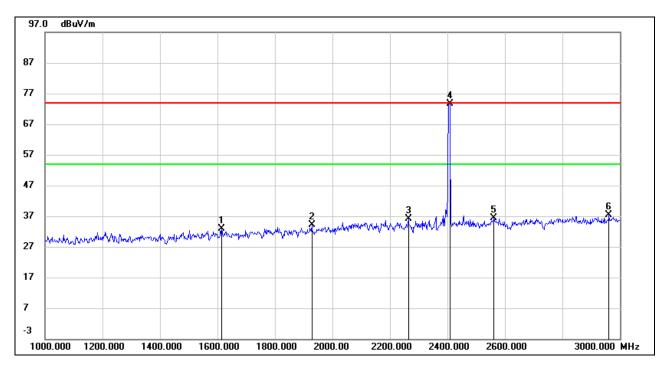
No.	Frequency	Reading	Correct	Peak Result	Avg Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	
4	2437.300	74.00	12.19	87.18	/	114.00	-26.82	Peak
ı	2437.300	74.99	12.19	/	76.21	94.00	-17.79	Avg

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



## 7.4. SPURIOUS EMISSIONS (1~3 GHz)

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

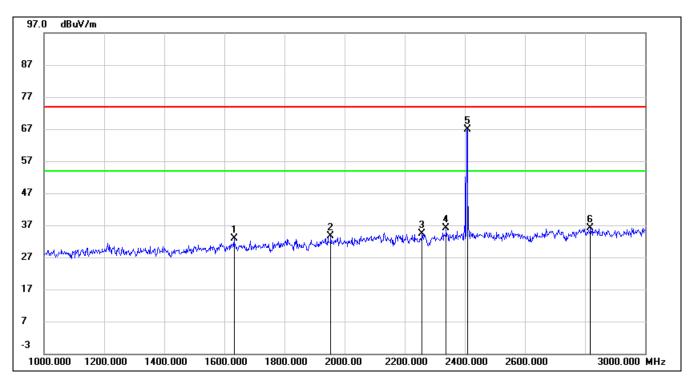


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1614.000	24.81	8.01	32.82	74.00	-41.18	peak
2	1928.000	24.09	10.05	34.14	74.00	-39.86	peak
3	2264.000	24.83	11.33	36.16	74.00	-37.84	peak
4	2407.000	61.59	12.06	73.65	/	/	fundamental
5	2562.000	24.06	12.42	36.48	74.00	-37.52	peak
6	2962.000	22.96	14.44	37.40	74.00	-36.60	peak

- 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, VERTICAL)

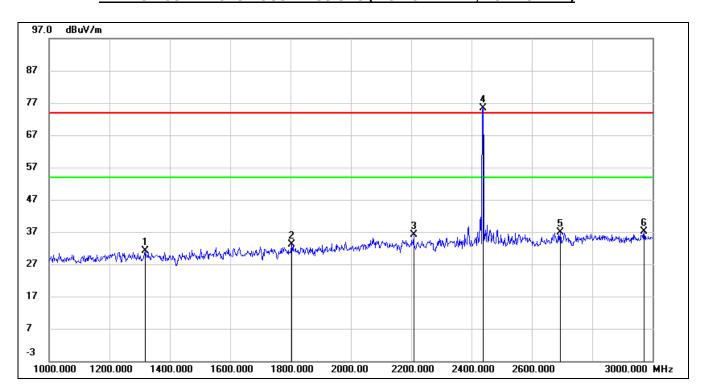


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1632.000	24.75	8.05	32.80	74.00	-41.20	peak
2	1954.000	23.51	10.12	33.63	74.00	-40.37	peak
3	2258.000	23.06	11.32	34.38	74.00	-39.62	peak
4	2338.000	24.57	11.60	36.17	74.00	-37.83	peak
5	2407.000	54.72	12.06	66.78	/	/	fundamental
6	2818.000	22.42	13.81	36.23	74.00	-37.77	peak

- 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 (HIGH CHANNEL, HORIZONTAL)**

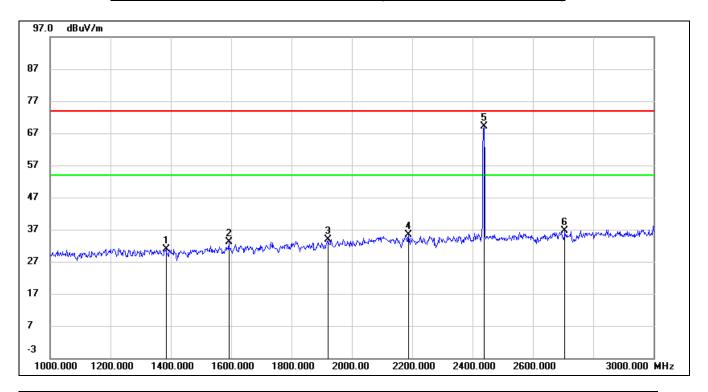


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1318.000	24.39	6.63	31.02	74.00	-42.98	peak
2	1804.000	23.28	9.80	33.08	74.00	-40.92	peak
3	2208.000	24.75	11.32	36.07	74.00	-37.93	peak
4	2437.000	63.25	12.19	75.44	/	/	fundamental
5	2694.000	23.81	12.96	36.77	74.00	-37.23	peak
6	2972.000	22.55	14.51	37.06	74.00	-36.94	peak

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

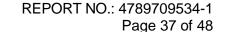


#### HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1384.000	24.11	6.68	30.79	74.00	-43.21	peak
2	1592.000	25.26	7.90	33.16	74.00	-40.84	peak
3	1920.000	23.91	10.03	33.94	74.00	-40.06	peak
4	2188.000	24.05	11.29	35.34	74.00	-38.66	peak
5	2437.000	56.87	12.19	69.06	/	/	fundamental
6	2706.000	23.55	13.04	36.59	74.00	-37.41	peak

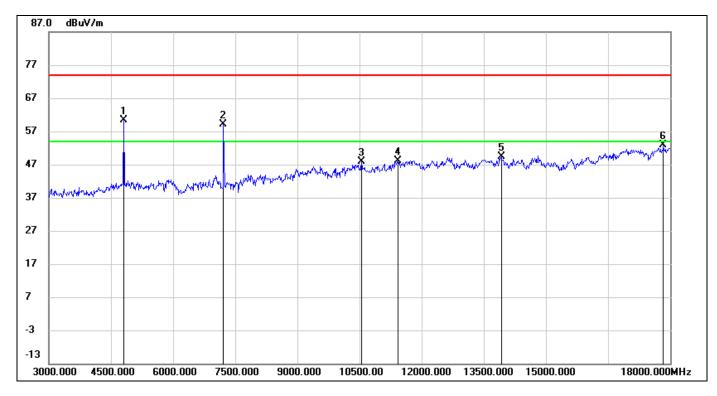
- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.





### 7.5. SPURIOUS EMISSIONS (3~18 GHz)

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

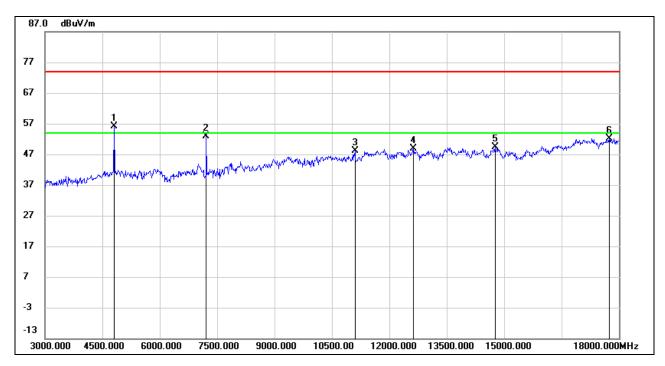


No.	Frequency	Reading	Correct	Peak	Avg	Limit	Margin	Remark
				Result	Result			
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4815.000	59.04	1.31	60.35	/	74.00	-13.65	peak
ı	4615.000	59.04	1.31	/	49.41	54.00	-4.59	avg
2	7215.000	53.33	5.85	59.18	/	74.00	-14.82	peak
	7215.000	55.55	5.65	/	48.21	54.00	-5.79	avg
3	10545.000	36.98	10.94	47.92	/	74.00	-26.08	peak
4	11430.000	35.45	12.72	48.17	/	74.00	-25.83	peak
5	13920.000	33.49	15.82	49.31	/	74.00	-24.69	peak
6	17835.000	29.42	23.56	52.98	/	74.00	-21.02	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 (LOW CHANNEL, VERTICAL)

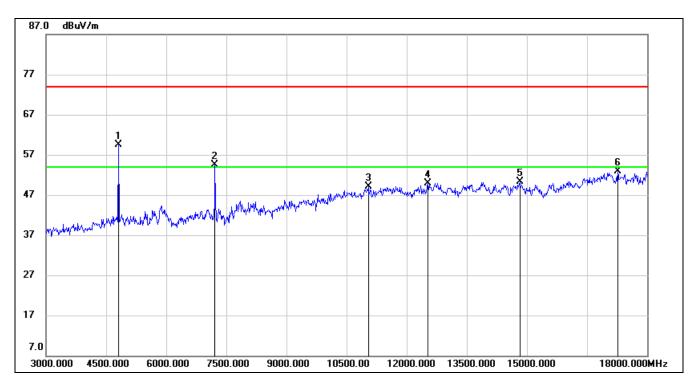


No.	Frequency	Reading	Correct	Peak Result	Avg Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	
4	1915 000	54.92	1.31	56.23	/	74.00	-17.77	peak
ı	4815.000	54.92	1.31	/	45.26	54.00	-8.78	avg
2	7215.000	47.13	5.85	52.98	/	74.00	-21.02	peak
3	11100.000	36.08	11.97	48.05	/	74.00	-25.95	peak
4	12630.000	34.84	14.09	48.93	/	74.00	-25.07	peak
5	14760.000	33.32	16.11	49.43	/	74.00	-24.57	peak
6	17745.000	28.97	23.25	52.22	/	74.00	-21.78	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)

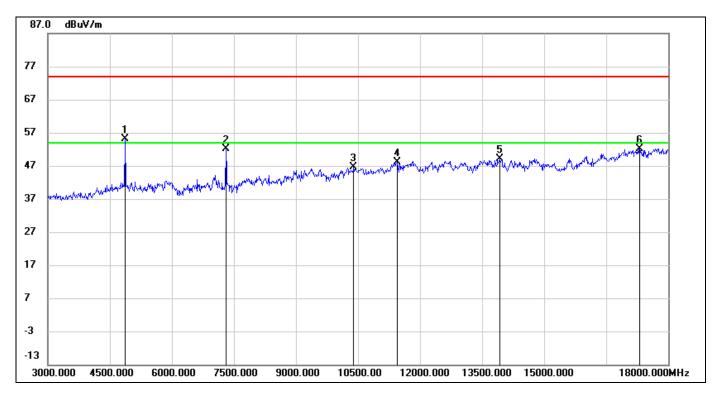


No.	Frequency	Reading	Correct	Peak	Avg	Limit	Margin	Remark
				Result	Result			
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4815.000	59.04	0.51	59.55	/	74.00	-14.45	peak
'	4615.000	59.04	0.51	/	48.58	54.00	-5.42	avg
2	7215.000	48.59	5.85	54.44	/	74.00	-19.56	peak
	7215.000	46.59	5.65	/	43.47	54.00	-10.53	avg
3	11040.000	36.42	12.61	49.03	/	74.00	-24.97	peak
4	12525.000	35.41	14.41	49.82	/	74.00	-24.18	peak
5	14820.000	34.31	15.94	50.25	/	74.00	-23.75	peak
6	17265.000	31.46	21.46	52.92	/	74.00	-21.08	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)**



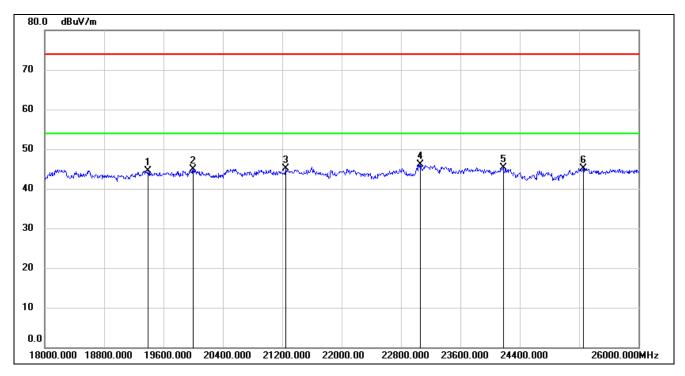
No.	Frequency	Reading	Correct	Peak	Avg	Limit	Margin	Remark
				Result	Result			
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4875.000	53.98	1.26	55.24	/	74.00	-18.76	peak
I	4675.000	55.96	1.20	/	44.27	54.00	-9.73	avg
2	7305.000	46.47	5.58	52.05	/	74.00	-21.95	peak
3	10395.000	35.87	10.70	46.57	/	74.00	-27.43	peak
4	11445.000	35.31	12.72	48.03	/	74.00	-25.97	peak
5	13920.000	33.42	15.82	49.24	/	74.00	-24.76	peak
6	17310.000	30.41	21.81	52.22	/	74.00	-21.78	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.



### 7.6. SPURIOUS EMISSIONS (18~26 GHz)

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

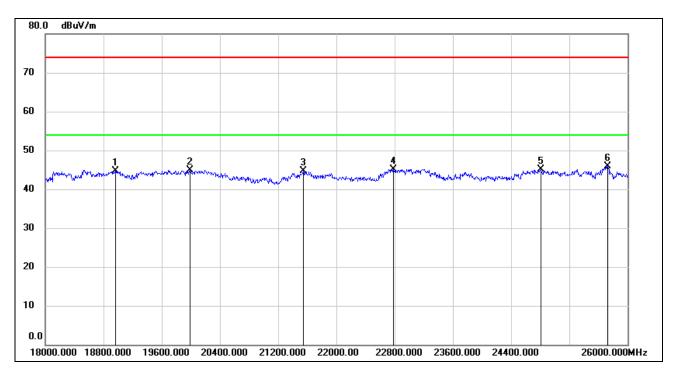


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	19392.000	50.12	-5.57	44.55	74.00	-29.45	peak
2	20000.000	50.31	-5.45	44.86	74.00	-29.14	peak
3	21248.000	49.79	-4.77	45.02	74.00	-28.98	peak
4	23064.000	49.49	-3.42	46.07	74.00	-27.93	peak
5	24176.000	48.19	-2.80	45.39	74.00	-28.61	peak
6	25256.000	46.79	-1.67	45.12	74.00	-28.88	peak

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



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



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	18960.000	50.01	-5.25	44.76	74.00	-29.24	peak
2	19992.000	50.35	-5.45	44.90	74.00	-29.10	peak
3	21544.000	49.26	-4.63	44.63	74.00	-29.37	peak
4	22784.000	48.77	-3.65	45.12	74.00	-28.88	peak
5	24808.000	47.43	-2.27	45.16	74.00	-28.84	peak
6	25728.000	46.61	-0.72	45.89	74.00	-28.11	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.

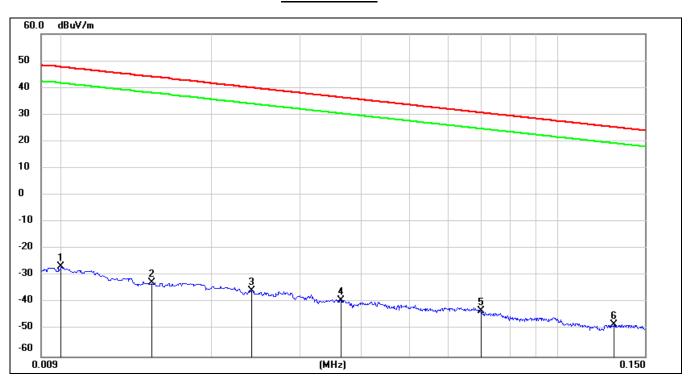
Note: All test modes and channels had been tested, only the worst data record in the report.



### 7.7. SPURIOUS EMISSIONS BELOW 30 MHz

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

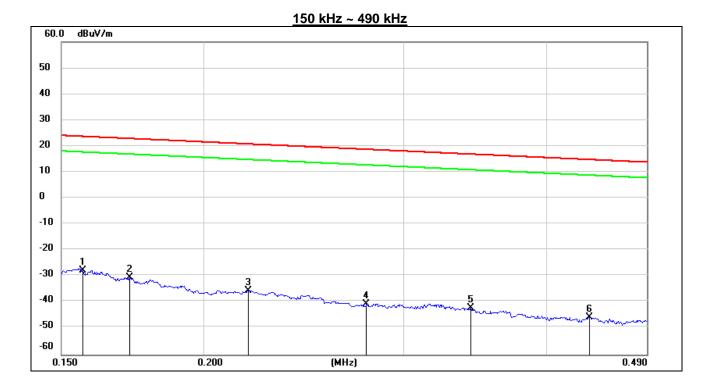
### 9 kHz~ 150 kHz



No.	Frequency	Reading	Correct	FCC	FCC	ISED	ISED	Margin	Remark
				Result	Limit	Result	Limit		
	(MHz)	(dBuV)	(dB/m)	(dBuV/ m)	(dBuV/m)	(dBuA/m)	(dBuA/m)	(dB)	
1	0.0100	74.72	-101.40	-26.68	47.60	-78.18	-3.9	-74.28	peak
2	0.0151	68.71	-101.37	-32.66	44.02	-84.16	-7.48	-76.68	peak
3	0.0240	65.82	-101.36	-35.54	40.00	-87.04	-11.5	-75.54	peak
4	0.0364	62.38	-101.42	-39.04	36.38	-90.54	-15.12	-75.42	peak
5	0.0700	58.41	-101.57	-43.16	30.70	-94.66	-20.8	-73.86	peak
6	0.1300	53.43	-101.70	-48.27	25.33	-99.77	-26.17	-73.60	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.  $dBuA/m = dBuV/m 20log10(120\pi) = dBuV/m 51.5$ .



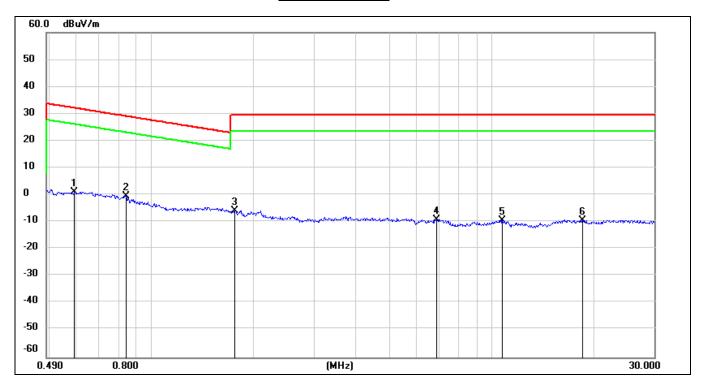


No. Frequency Reading FCC FCC **ISED ISED** Margin Remark Correct Result Limit Result Limit (MHz) (dBuV) (dB/m) (dBuV/ (dB) (dBuV/m) (dBuA/m) (dBuA/m) m) 23.70 -79.2 -27.8 1 0.1567 73.95 -101.65 -27.70 -51.40 peak 2 0.1720 71.19 -101.67 -30.48 22.90 -81.98 -28.6 -53.38 peak 3 0.2190 66.27 -101.75 -35.48 20.79 -86.98 -30.71 -56.27 peak 4 0.2782 61.29 -101.83 -40.54 18.71 -92.04 -32.79 -59.25 peak 5 0.3431 59.67 -101.90 -42.23 16.89 -93.73 -34.61 -59.12 peak 6 56.36 -101.99 -45.63 14.80 -97.13 0.4364 -36.70-60.43 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.  $dBuA/m = dBuV/m 20log10(120\pi) = dBuV/m -51.5$ .



### 490 kHz ~ 30 MHz



No.	Frequency	Reading	Correct	FCC	FCC	ISED	ISED	Margin	Remark
				Result	Limit	Result	Limit		
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuA/m)	(dBuA/m)	(dB)	
1	0.5917	63.24	-62.08	1.16	32.16	-50.34	-19.34	-31.00	peak
2	0.8400	61.71	-62.17	-0.46	29.12	-51.96	-22.38	-29.58	peak
3	1.7580	56.08	-61.93	-5.85	29.54	-57.35	-21.96	-35.39	peak
4	6.8936	52.09	-61.22	-9.13	29.54	-60.63	-21.96	-38.67	peak
5	10.7299	51.48	-60.83	-9.35	29.54	-60.85	-21.96	-38.89	peak
6	18.4908	51.55	-60.89	-9.34	29.54	-60.84	-21.96	-38.88	peak

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

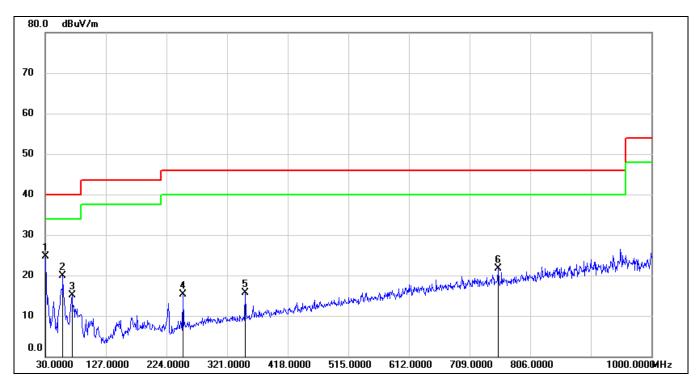
- 2. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.
- 3. All 3 polarizations (Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.
  - 4.  $dBuA/m = dBuV/m 20log10(120\pi) = dBuV/m 51.5$ .

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



### 7.8. SPURIOUS EMISSIONS BELOW 1 GHz AND ABOVE 30 MHz

### 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	30.0000	41.96	-17.24	24.72	40.00	-15.28	QP
2	58.1300	38.91	-18.98	19.93	40.00	-20.07	QP
3	72.6800	35.06	-20.05	15.01	40.00	-24.99	QP
4	250.1900	31.58	-16.34	15.24	46.00	-30.76	QP
5	350.1000	29.22	-13.52	15.70	46.00	-30.30	QP
6	754.5900	28.01	-6.26	21.75	46.00	-24.25	QP

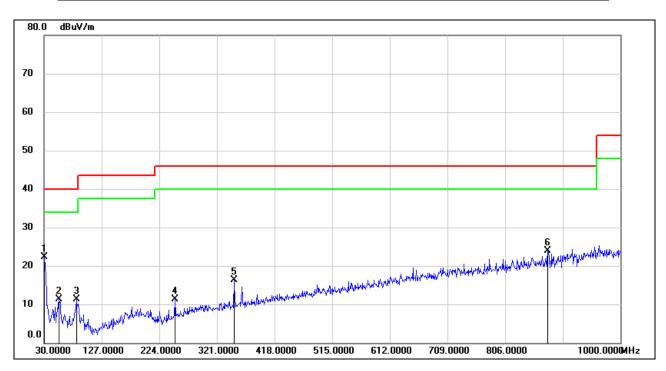
Note: 1. Result Level = Read Level + Correct Factor.

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 (HIGH CHANNEL, WORST-CASE CONFIGURATION, VERTICAL)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	30.9700	39.50	-17.13	22.37	40.00	-17.63	QP
2	55.2200	30.01	-18.78	11.23	40.00	-28.77	QP
3	84.3200	32.16	-20.81	11.35	40.00	-28.65	QP
4	250.1900	27.72	-16.34	11.38	46.00	-34.62	QP
5	350.1000	29.86	-13.52	16.34	46.00	-29.66	QP
6	877.7800	28.39	-4.44	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 and channels had been tested, only the worst data record in the report.



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