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Report Template Version: V05 Report Template Revision Date: 2021-11-03

TEST REPORT

Report No.: Applicant: Address of Applicant:	CQASZ20230500771E-02 Miraclink Medical Technology (Shenzhen) Co. Ltd. 1 Tongkangfu Industry Park 4th Floor Unit A, Shiyan Jiedao Yingrenshi Shequ, Bao An District Shenzhen China		
Equipment Under Test	(EUT):		
Product:	Sleep micro-motion monitoring belt		
Model No.:	M-30P		
Test Model No.:	M-30P		
Brand Name:	N/A		
FCC ID:	2BAOQ-M-30P		
Standards:	47 CFR Part 15, Subpart C		
Date of Receipt:	2023-05-12		
Date of Test:	2023-05-12 to 2023-06-15		
Date of Issue:	2023-06-15		
Test Result :	PASS*		

*In the configuration tested, the EUT complied with the standards specified above

Tested By:	lewis zhou
	(Lewis Zhou)
Reviewed By:	Timo Loj
	(Timo Lei)
Approved By:	Jamos
	(Jack Ai)



The test report is effective only with both signature and specialized stamp, The result(s) shown in this report refer only to the sample(s) tested. Without written approval of CQA, this report can't be reproduced except in full.



Revision History Of Report

Report No.	Version	Description	Issue Date
CQASZ20230500771E-02	Rev.01	Initial report	2023-06-15



2 Test Summary

Test Item	Test Requirement	Test method	Result
Antenna Requirement	47 CFR Part 15.203	N/A	PASS
AC Power Line Conducted Emission	47 CFR Part 15.207	ANSI C63.10-2013	PASS
Conducted Peak & Average Output Power	47 CFR Part 15.247	ANSI C63.10-2013	PASS
6dB Occupied Bandwidth	47 CFR Part 15.247	ANSI C63.10-2013	PASS
Power Spectral Density	47 CFR Part 15.247	ANSI C63.10-2013	PASS
Band-edge for RF Conducted Emissions	47 CFR Part 15.247	ANSI C63.10-2013	PASS
RF Conducted Spurious Emissions	47 CFR Part 15.247	ANSI C63.10-2013	PASS
Radiated Spurious Emissions	47 CFR Part 15.209	ANSI C63.10-2013	PASS
Restricted bands around fundamental frequency (Radiated Emission)	47 CFR Part 15.205/15.209	ANSI C63.10-2013	PASS

Remark:

The tested sample(s) and the sample information are provided by the client.

Tx: In this whole report Tx (or tx) means Transmitter.

Rx: In this whole report Rx (or rx) means Receiver.

RF: In this whole report RF means Radiated Frequency.

CH: In this whole report CH means channel.

Volt: In this whole report Volt means Voltage.

Temp: In this whole report Temp means Temperature.

Humid: In this whole report Humid means humidity.

Press: In this whole report Press means Pressure.

N/A: In this whole report not application



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4 General Information

4.1 Client Information

Applicant:	Miraclink Medical Technology (Shenzhen) Co. Ltd.	
Address of Applicant:	1 Tongkangfu Industry Park 4th Floor Unit A, Shiyan Jiedao Yingrenshi Shequ, Bao An District Shenzhen China	
Manufacturer:	Miraclink Medical Technology (Shenzhen) Co. Ltd.	
Address of Manufacturer:	1 Tongkangfu Industry Park 4th Floor Unit A, Shiyan Jiedao Yingrenshi Shequ, Bao An District Shenzhen China	
Factory:	Miraclink Medical Technology (Shenzhen) Co. Ltd.	
Address of Factory:	1 Tongkangfu Industry Park 4th Floor Unit A, Shiyan Jiedao Yingrenshi Shequ, Bao An District Shenzhen China	

4.2 General Description of EUT

Product Name:	Sleep micro-motion monitoring belt
Model No.:	M-30P
Test Model No.:	M-30P
Trade Mark:	N/A
Software Version:	J1657W_V079_1
Hardware Version:	1657W-T V1.1
Power Supply:	Power supply DC5V form adaptor
EUT Supports Radios	BLE: 2402-2480MHz
application:	2.4GHz: Wi-Fi: 802.11b/g/n(HT20): 2412MHz~2462MHz
Simultaneous Transmission	☐ Simultaneous TX is supported and evaluated in this report.
	Simultaneous TX is not supported.

4.3 Product Specification subjective to this standard

Operation Frequency:	IEEE 802.11b/g/n(HT20): 2412MHz to 2462MHz
Channel Numbers:	IEEE 802.11b/g, IEEE 802.11n HT20: 11 Channels
Channel Separation:	5MHz
Type of Modulation:	IEEE for 802.11b: DSSS(CCK,DQPSK,DBPSK)
	IEEE for 802.11g : OFDM(64QAM, 16QAM, QPSK, BPSK)
	IEEE for 802.11n(HT20) : OFDM (64QAM, 16QAM, QPSK, BPSK)
Transfer Rate:	IEEE for 802.11b: 1Mbps/2Mbps/5.5Mbps/11Mbps
	IEEE for 802.11g : 6Mbps/9Mbps/12Mbps/18Mbps/24Mbps/36Mbps/48Mbps/54Mbps
	IEEE for 802.11n(HT20) :
	6.5Mbps/13Mbps/19.5Mbps/26Mbps/39Mbps/52Mbps/58.5Mbps/65Mbps
Product Type:	☐ Mobile
Test Software of EUT:	EspRFTestTool_v2.8_Manual
Antenna Type:	PCB antenna
Antenna Gain:	2dBi



Operation Frequency each of channel(802.11b/g/n HT20)							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2412MHz	4	2427MHz	7	2442MHz	10	2457MHz
2	2417MHz	5	2432MHz	8	2447MHz	11	2462MHz
3	2422MHz	6	2437MHz	9	2452MHz		

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

For 802.11b/g/n (HT20):

Channel	Frequency
The Lowest channel	2412MHz
The Middle channel	2437MHz
The Highest channel	2462MHz

Note:

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.



4.4 Test Environment and Mode

25.3 °C		
RH		
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C		
RH		
mbar		
onducted te	st room):	
C		
RH		
mbar		
s set in RF te ata rate, etc.	st mode in all supported modulation types, band	
Open close RAM Select Bin Of Load Bin Channel: It2412 Certification Code: SRRC stop		
	Show Send	



4.5 Description of Support Units

The EUT has been tested with associated equipment below.

1) Support equipment

Description	Manufacturer	Model No.	Certification	Supplied by
1	/	/	1	1
2) Cable				

Cable No.	Description	Manufacturer	Cable Type/Length	Supplied by
/	/	/	1	1

4.6 Test Location

All tests were performed at:

Shenzhen Huaxia Testing Technology Co., Ltd.

1F., Block A of Tongsheng Technology Building, Huahui Road, Dalang Street, Longhua New District, Shenzhen, Guangdong, China

4.7 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

• A2LA (Certificate No. 4742.01)

Shenzhen Huaxia Testing Technology Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 4742.01.

• FCC Registration No.: 522263

Shenzhen Huaxia Testing Technology Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No.:522263



4.8 Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate.

The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities.

The measurement uncertainty was calculated for all measurements listed in this test report acc. to CISPR 16 - 4 "Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements" and is documented in the **Shenzhen Huaxia Testing Technology Co., Ltd.** quality system acc. to DIN EN ISO/IEC 17025.

Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

No.	Item	Uncertainty	Notes
1	Radiated Emission (Below 1GHz)	5.12dB	(1)
2	Radiated Emission (Above 1GHz)	4.60dB	(1)
3	Conducted Disturbance (0.15~30MHz)	3.34dB	(1)
4	Radio Frequency	3×10 ⁻⁸	(1)
5	Duty cycle	0.6 %.	(1)
6	Occupied Bandwidth	1.1%	(1)
7	RF conducted power	0.86dB	(1)
8	RF power density	0.74	(1)
9	Conducted Spurious emissions	0.86dB	(1)
10	Temperature test	0.8°C	(1)
11	Humidity test	2.0%	(1)
12	Supply voltages	0.5 %.	(1)
13	Frequency Error	5.5 Hz	(1)

Hereafter the best measurement capability for CQA laboratory is reported:

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

4.9 Deviation from Standards

None.

4.10 Abnormalities from Standard Conditions

None.

4.11 Other Information Requested by the Customer

None.



4.12 Equipment List

			Instrument	Calibration	Calibration
Test Equipment	Manufacturer	Model No.	No.	Date	Due Date
EMI Test Receiver	R&S	ESR7	CQA-005	2022/09/09	2023/09/08
Spectrum analyzer	R&S	FSU26	CQA-038	2022/09/09	2023/09/08
Spectrum analyzer	R&S	FSU40	CQA-075	2022/09/09	2023/09/08
Preamplifier	MITEQ	AFS4-00010300-18- 10P-4	CQA-035	2022/09/09	2023/09/08
Preamplifier	MITEQ	AMF-6D-02001800- 29-20P	CQA-036	2022/09/09	2023/09/08
Preamplifier	EMCI	EMC184055SE	CQA-089	2022/09/09	2023/09/08
Loop antenna	Schwarzbeck	FMZB1516	CQA-060	2021/09/16	2024/09/15
Bilog Antenna	R&S	HL562	CQA-011	2021/09/16	2024/09/15
Horn Antenna	R&S	HF906	CQA-012	2021/09/16	2024/09/15
Horn Antenna	Schwarzbeck	BBHA 9170	CQA-088	2021/09/16	2024/09/15
Coaxial Cable (Above 1GHz)	CQA	N/A	C007	2022/09/09	2023/09/08
Coaxial Cable (Below 1GHz)	CQA	N/A	C013	2022/09/09	2023/09/08
RF cable(9KHz~40GHz)	CQA	RF-01	CQA-079	2022/09/09	2023/09/08
Antenna Connector	CQA	RFC-01	CQA-080	2022/09/09	2023/09/08
Power Sensor	KEYSIGHT	U2021XA	CQA-30	2022/09/09	2023/09/08
N1918A Power Analysis Manager Power Panel	Agilent	N1918A	CQA-074	2022/09/09	2023/09/08
Power meter	R&S	NRVD	CQA-029	2022/09/09	2023/09/08
Power divider	MIDWEST	PWD-2533-02-SMA- 79	CQA-067	2022/09/09	2023/09/08
EMI Test Receiver	R&S	ESR7	CQA-005	2022/09/09	2023/09/08
LISN	R&S	ENV216	CQA-003	2022/09/09	2023/09/08
Coaxial cable	CQA	N/A	CQA-C009	2022/09/09	2023/09/08
DC power	KEYSIGHT	E3631A	CQA-028	2022/09/09	2023/09/08

Test software:

	Manufacturer	Software brand
Radiated Emissions test software	Tonscend	JS1120-3
Conducted Emissions test software	Audix	e3
RF Conducted test software	Audix	e3



5 Test results and Measurement Data

5.1 Antenna Requirement

Standard requirement:	47 CFR Part 15C Section 15.203 /247(c)
responsible party shall be us antenna that uses a unique of so that a broken antenna car electrical connector is prohib 15.247(b) (4) requirement: The conducted output power antennas with directional gai section, if transmitting antenna power from the intentional ra	be designed to ensure that no antenna other than that furnished by the red with the device. The use of a permanently attached antenna or of an coupling to the intentional radiator, the manufacturer may design the unit in be replaced by the user, but the use of a standard antenna jack or ited. This specified in paragraph (b) of this section is based on the use of its that do not exceed 6 dBi. Except as shown in paragraph (c) of this inas of directional gain greater than 6 dBi are used, the conducted output diator shall be reduced below the stated values in paragraphs (b)(1), ion, as appropriate, by the amount in dB that the directional gain of the
EUT Antenna:	76% NINY BX
The antenna is PCB antenna	
attachment.	type between the antenna to the EUT's antenna port is: permanently
This is either permanently at	tachment or a unique coupling that satisfies the requirement.



5.2 Conducted Emissions

	5310115			
Test Requirement:	47 CFR Part 15C Section 15.207			
Test Method:	ANSI C63.10: 2013			
Test Frequency Range:	150kHz to 30MHz			
Limit:		Limit (dBuV)		
	Frequency range (MHz)	Quasi-peak	Average	
	0.15-0.5	66 to 56*	56 to 46*	1
	0.5-5	56	46	
	5-30	60	50	
	* Decreases with the logarithm	n of the frequency.		1
Test Procedure:	 5-30 60 50 * Decreases with the logarithm of the frequency. 1) The mains terminal disturbance voltage test was conducted in a sh room. 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50Ω/50µH + 5Ω impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the greference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power call a single LISN provided the rating of the LISN was not exceeded. 3) The tabletop EUT was placed upon a non-metallic table 0.8m above ground reference plane. And for floor-standing arrangement, the EU placed on the horizontal ground reference plane, 4) The test was performed with a vertical ground reference plane. The of the EUT shall be 0.4 m from the vertical ground reference plane. The of the EUT shall be 0.4 m from the vertical ground reference plane. The UISN in the boundary or unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other unit the EUT and associated equipment was at least 0.8 m from the LISN 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according and the second and the second to the interface cables must be changed according and the second according the second according the second according the second according the the second according the		bugh a LISN 1 (Line a $50\Omega/50\mu$ H + 5Ω lin f the EUT were bonded to the gro being measured. A multiple power cable not exceeded. c table 0.8m above the rangement, the EUT ference plane. The read d reference plane for LISNs his distance was EUT. All other units of 0.8 m from the LISN 2 re positions of	near bund es to ne was ar ne he f 2.
Test Setup:	Shielding Room	AE B B B B B B B B B B B B B B B B B B B	Test Receiver	

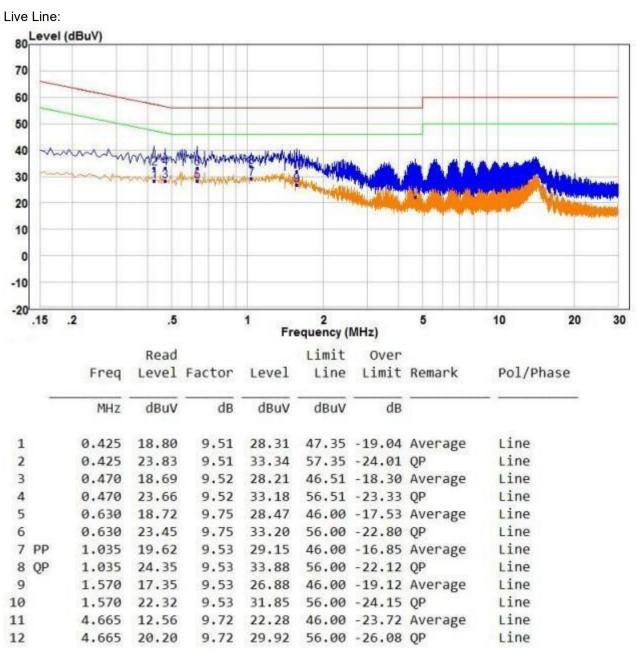


Shenzhen Huaxia Testing Technology Co., Ltd.

Exploratory Test Mode:	Transmitting with all kind of modulations, data rates at lowest, middle and highest channel.
Final Test Mode:	Through Pre-scan, find the 1Mbps of rate of 802.11b at middle channel is the worst case. Only the worst case is recorded in the report.
Test Voltage:	AC120V/60Hz
Test Results:	Pass



Measurement Data



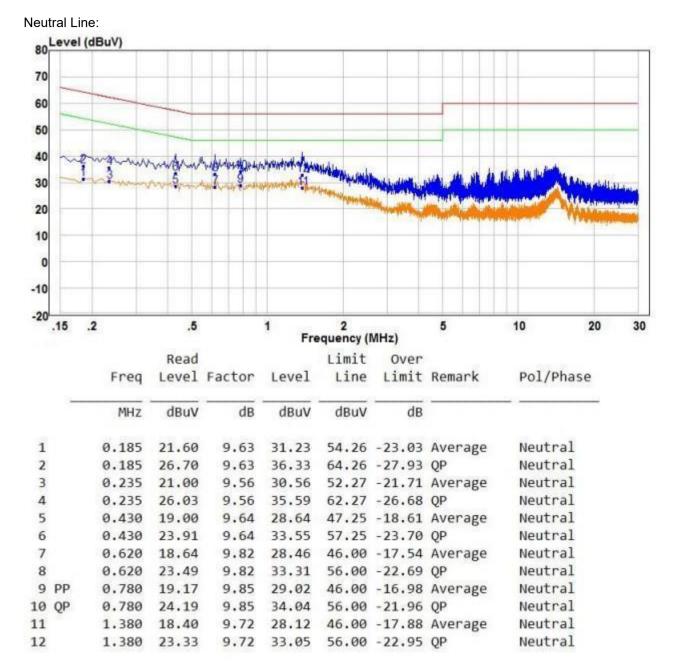
Remark:

1. The following Quasi-Peak and Average measurements were performed on the EUT:

2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.

3. If the Peak value under Average limit, the Average value is not recorded in the report.





Remark:

- 1. The following Quasi-Peak and Average measurements were performed on the EUT:
- 2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.
- 3. If the Peak value under Average limit, the Average value is not recorded in the report.



5.3 Conducted Peak & Average Output Power

Test Requirement:	47 CFR Part 15C Section 15.247 (b)(3)
Test Method:	ANSI C63.10: 2013
Test Setup:	Setup for Power meter measurement method EUT Power Meter Setup for Spectrum analyser measurement method Spectrum Analyzer Image: Image
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Only the worst case is recorded in the report.
Limit:	30dBm
Test Results:	Pass



Test Result

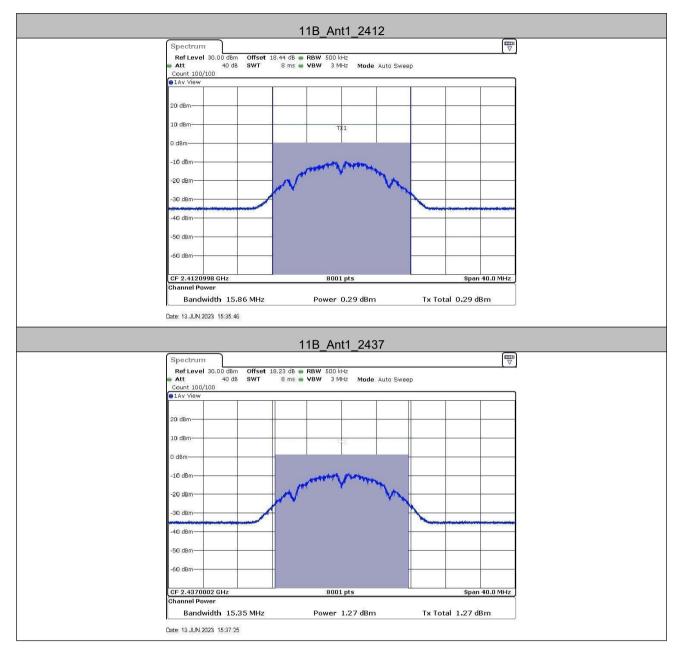
Test Mode	Frequency[MHz]	Result [dBm]	Limit [dBm]	Verdict
	2412	0.29	≤30.00	PASS
11B	2437	1.27	≤30.00	PASS
	2462	0.87	≤30.00	PASS
	2412	-4.39	≤30.00	PASS
11G	2437	-3.21	≤30.00	PASS
	2462	-3.74	≤30.00	PASS
	2412	-4.94	≤30.00	PASS
11N20SIS	2437	-3.47	≤30.00	PASS
0	2462	-3.82	≤30.00	PASS

Note:

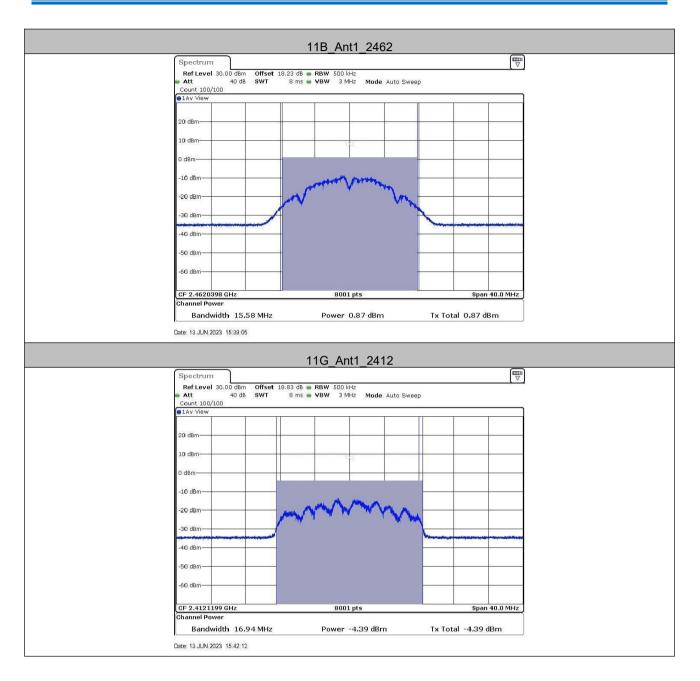
When Duty cycle >98%, D.C.F is not required.



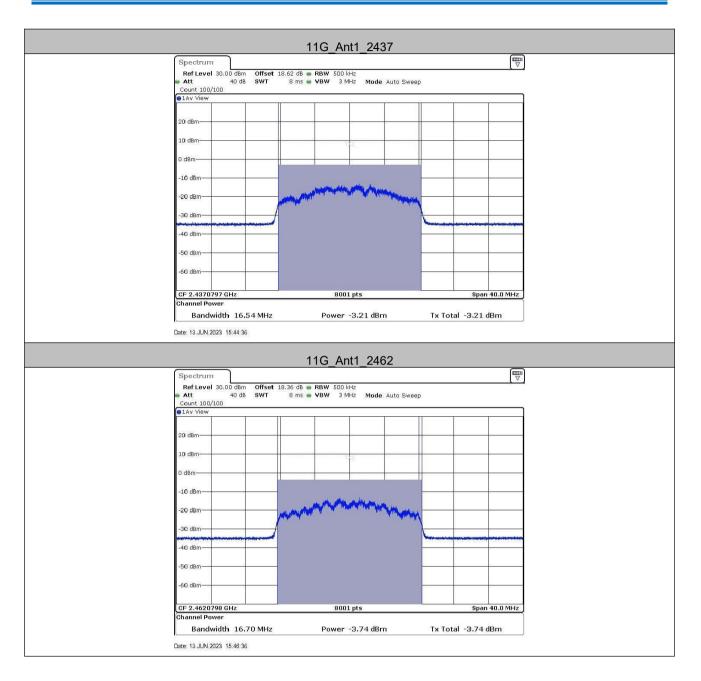
Test Graphs



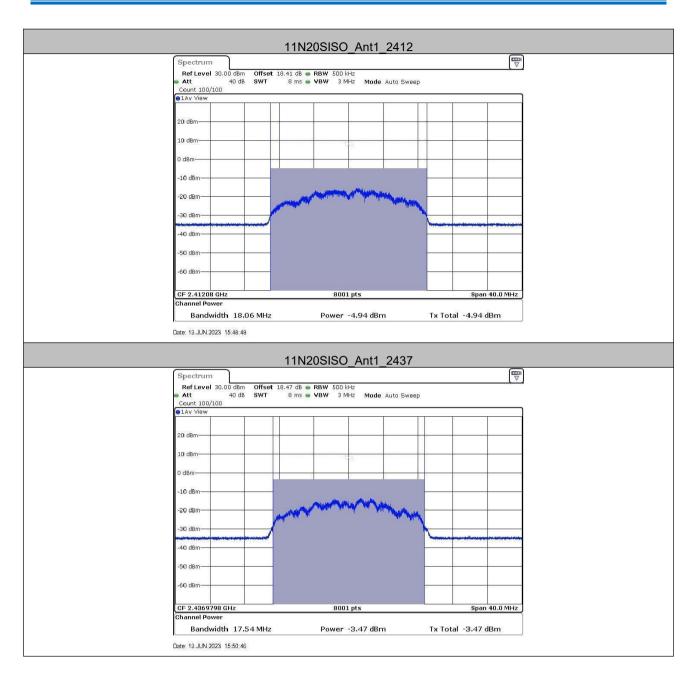




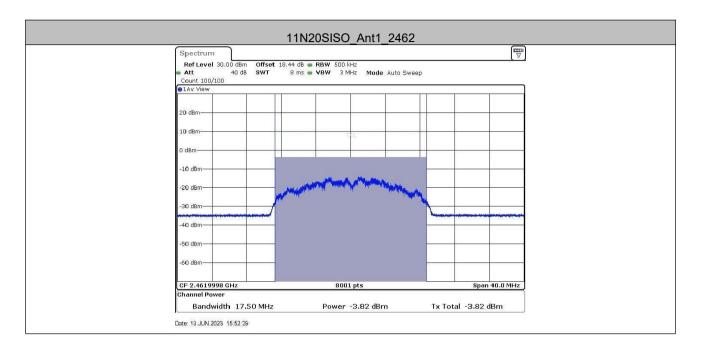














5.4 6dB Occupied Bandwidth

Test Requirement:	47 CFR Part 15C Section 15.247 (a)(2)
Test Method:	ANSI C63.10: 2013
Test Setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane
	Offset=cable loss+ attenuation factor
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Only the worst case is recorded in the report.
Limit:	≥ 500 kHz
Test Results:	Pass

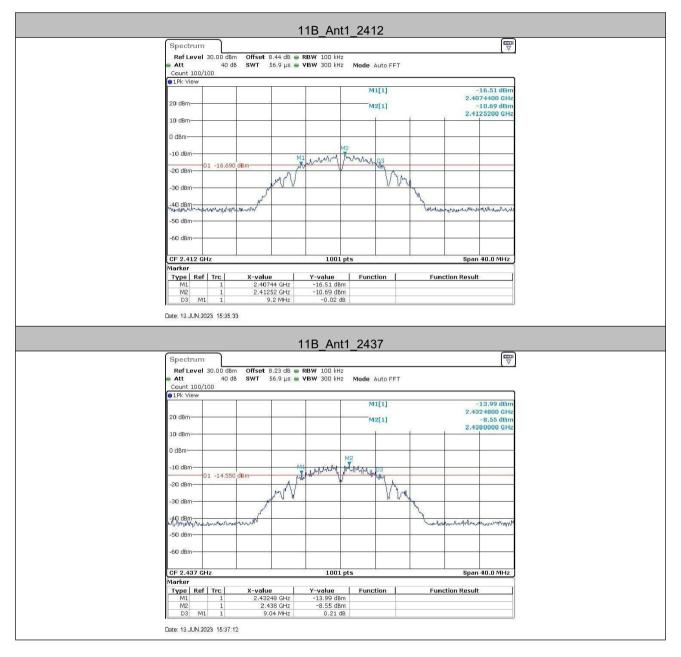


Test Result

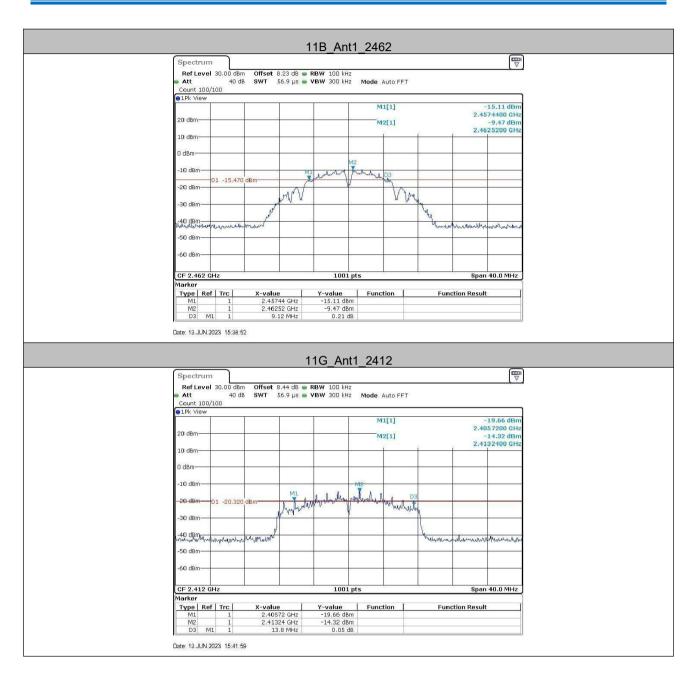
TestMode	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
	2412	9.20	2407.44	2416.64	0.5	PASS
11B	2437	9.04	2432.48	2441.52	0.5	PASS
	2462	9.12	2457.44	2466.56	0.5	PASS
	2412	13.80	2405.72	2419.52	0.5	PASS
11G	2437	15.00	2429.52	2444.52	0.5	PASS
	2462	11.32	2455.72	2467.04	0.5	PASS
	2412	15.08	2404.48	2419.56	0.5	PASS
11N20SISO	2437	11.28	2430.76	2442.04	0.5	PASS
	2462	11.32	2455.72	2467.04	0.5	PASS



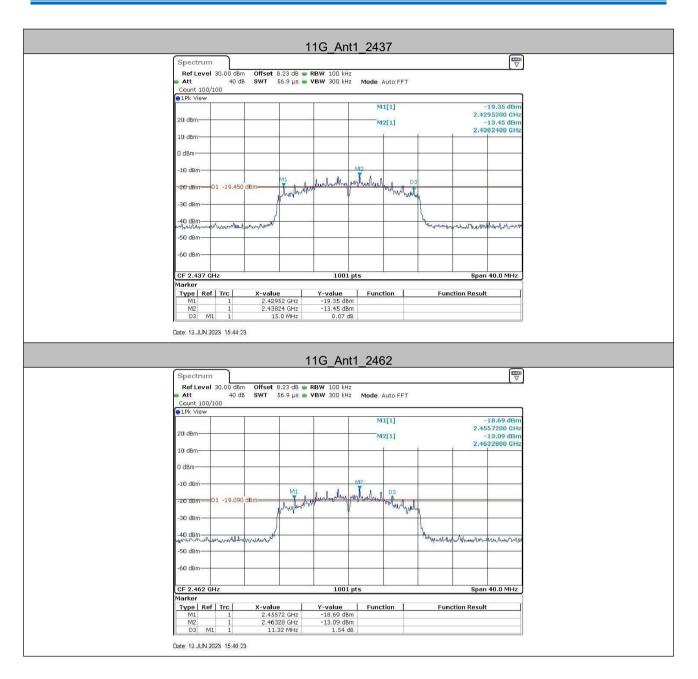
Test Graphs



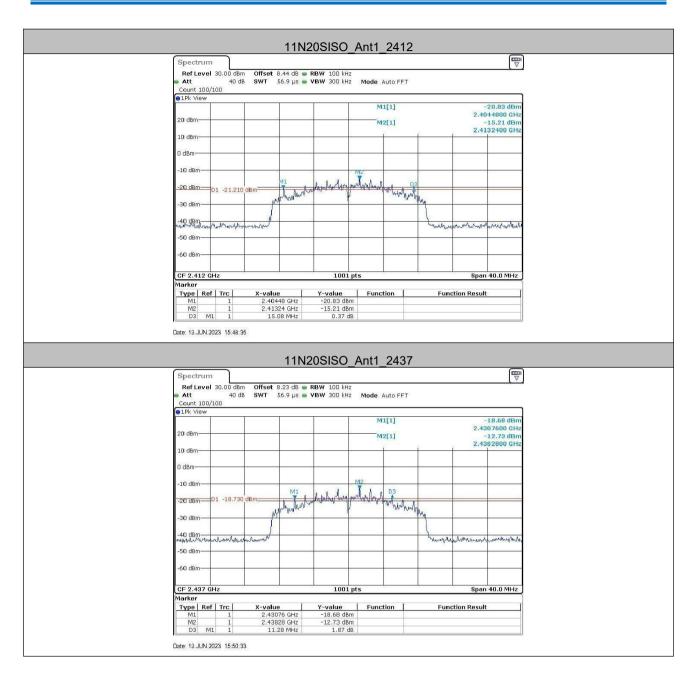


















5.5 Power Spectral Density

Test Requirement:	47 CFR Part 15C Section 15.247 (e)	
Test Method:	ANSI C63.10: 2013	
Test Setup:	Spectrum Analyzer E.U.T Non-Conducted Table	
	Ground Reference Plane	
	Offset=cable loss+ attenuation factor	
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates	
Final Test Mode:	Only the worst case is recorded in the report.	
Limit:	≤8.00dBm/3kHz	
Test Results:	Pass	



Test Result

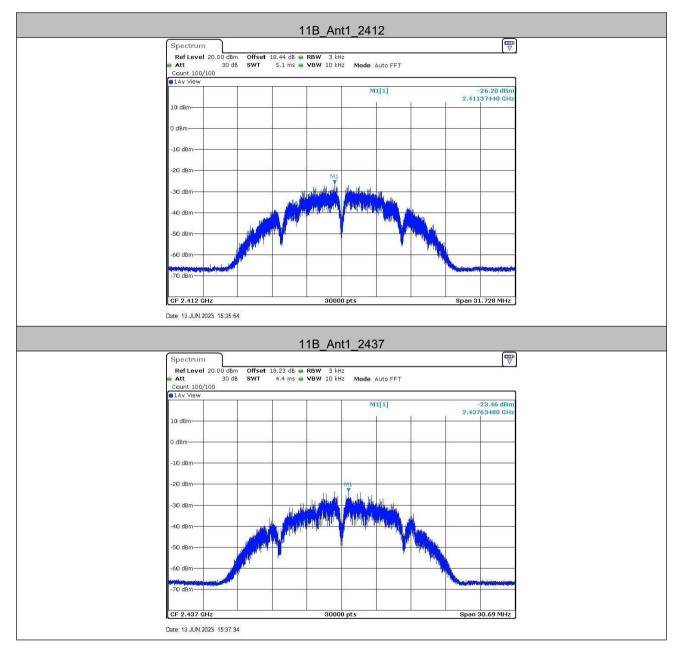
TestMode	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	2412	-26.2	≤8.00	PASS
	2437	-23.46	≤8.00	PASS
	2462	-26.46	≤8.00	PASS
11G	2412	-29.5	≤8.00	PASS
	2437	-28.27	≤8.00	PASS
	2462	-28.86	≤8.00	PASS
11N20SISO	2412	-31.02	≤8.00	PASS
	2437	-30.2	≤8.00	PASS
	2462	-29.51	≤8.00	PASS

Note:

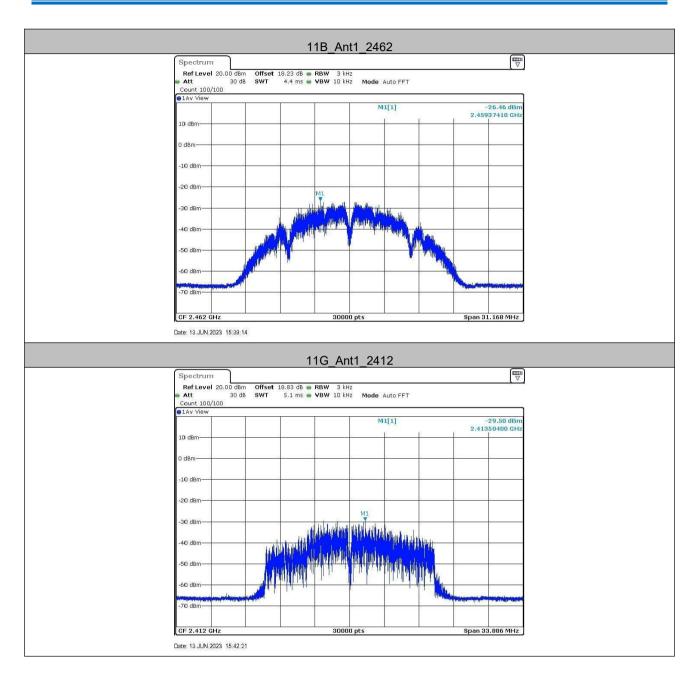
When Duty cycle >98%, D.C.F is not required.



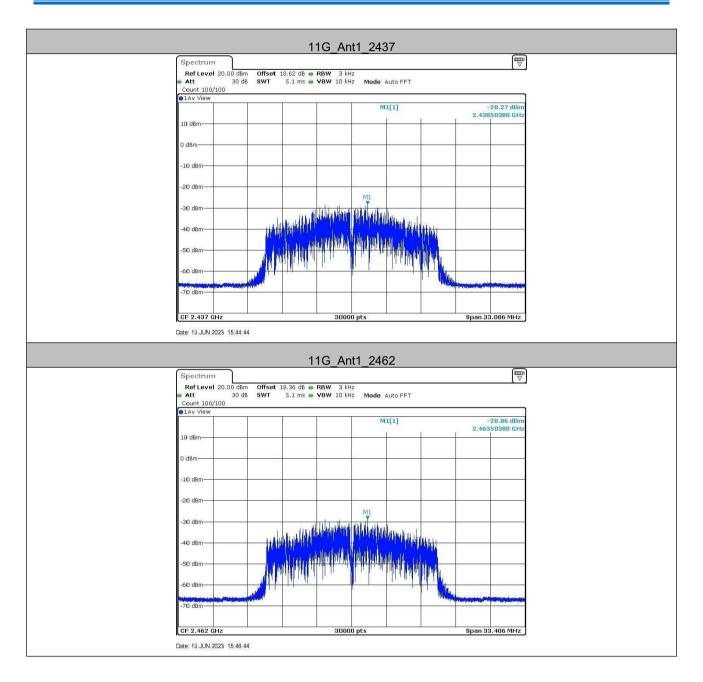
Test Graphs



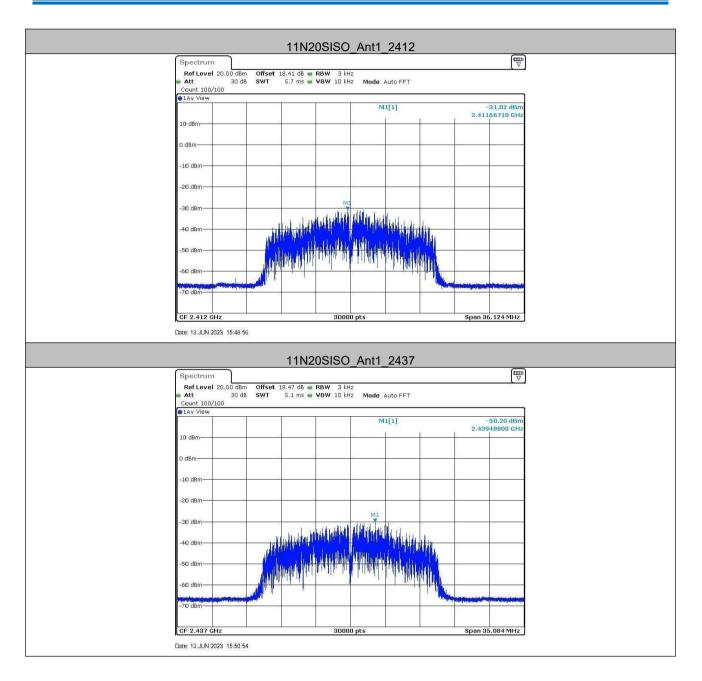




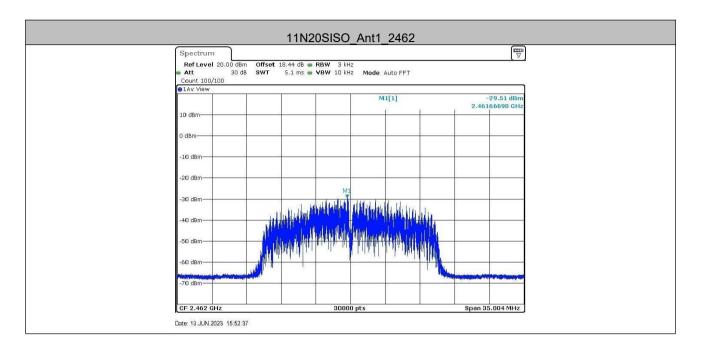














5.6 Band-edge for RF Conducted Emissions

Test Requirement:	47 CFR Part 15C Section 15.247 (d)		
Test Method:	ANSI C63.10: 2013		
Test Setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane Offset=cable loss+ attenuation factor		
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates		
. Final Test Mode:	Only the worst case is recorded in the report.		
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.		
Test Results:	Pass		

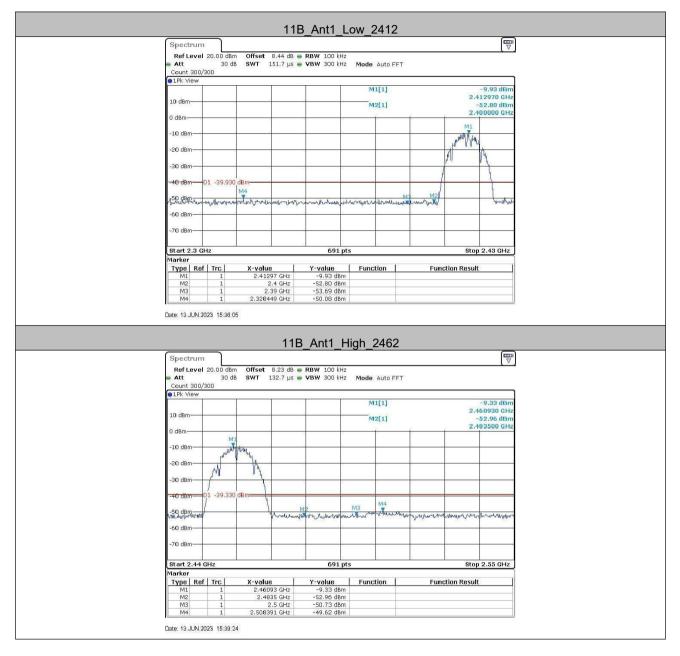


Test Result

TestMode	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
	Low	2412	-9.93	-50.08	≤-39.93	PASS
11B	High	2462	-9.33	-49.62	≤-39.33	PASS
	Low	2412	-14.37	-50.06	≤-44.37	PASS
11G	High	2462	-13.27	-49.75	≤-43.27	PASS
	Low	2412	-14.49	-50.65	≤-44.49	PASS
11N20SISO	High	2462	-13.38	-49.06	≤-43.38	PASS



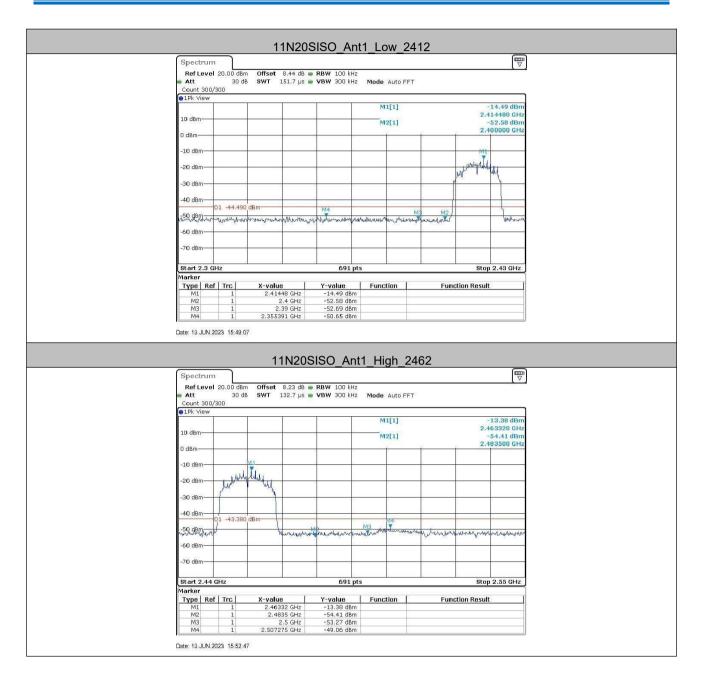
5.6.1 Test Graphs





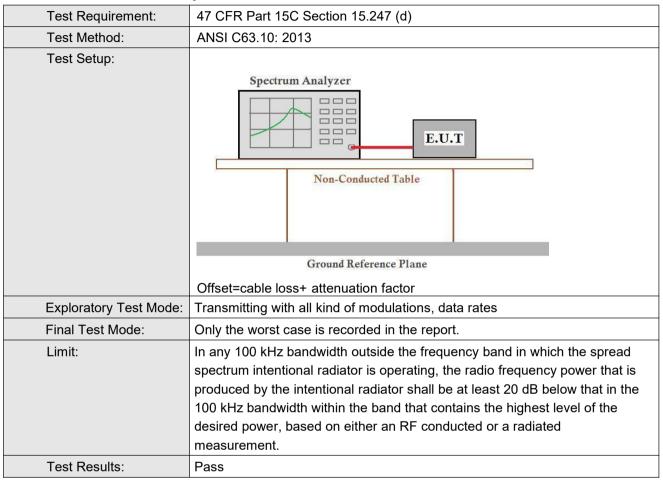








5.7 RF Conducted Spurious Emissions



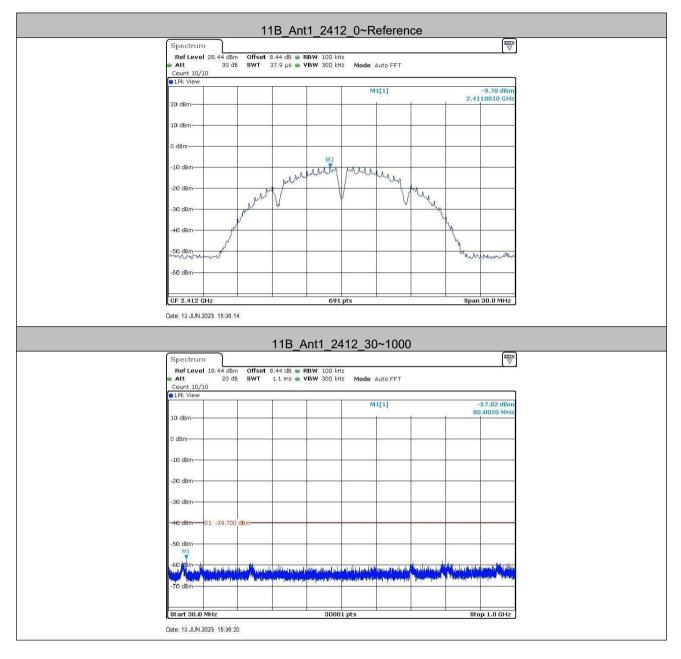


Test Result

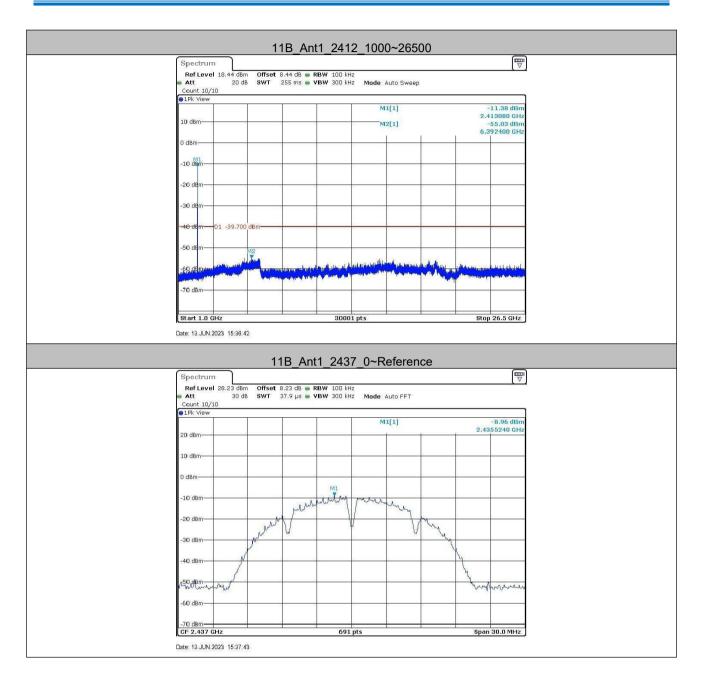
TestMode	Frequency[MHz]	FreqRange	RefLevel	Result	Limit	Verdict
		[Mhz]	[dBm]	[dBm]	[dBm]	
		Reference	-9.70	-9.70		PASS
	2412	30~1000	-9.70	-57.02	≤-39.7	PASS
		1000~26500	-9.70	-55.03	≤-39.7	PASS
		Reference	-8.96	-8.96		PASS
11B	2437	30~1000	-8.96	-56.97	≤-38.96	PASS
		1000~26500	-8.96	-54.43	≤-38.96	PASS
		Reference	-8.96	-8.96		PASS
	2462	30~1000	-8.96	-57.73	≤-38.96	PASS
		1000~26500	-8.96	-55.7	≤-38.96	PASS
		Reference	-14.30	-14.30		PASS
	2412	30~1000	-14.30	-56.11	≤-44.3	PASS
		1000~26500	-14.30	-54.86	≤-44.3	PASS
		Reference	-12.78	-12.78		PASS
11G	2437	30~1000	-12.78	-57.26	≤-42.78	PASS
		1000~26500	-12.78	-54.54	≤-42.78	PASS
		Reference	-13.13	-13.13		PASS
	2462	30~1000	-13.13	-56.1	≤-43.13	PASS
		1000~26500	-13.13	-55.08	≤-43.13	PASS
	2412	Reference	-14.13	-14.13		PASS
		30~1000	-14.13	-57.61	≤-44.13	PASS
11N20SISO 243		1000~26500	-14.13	-54.75	≤-44.13	PASS
	2437	Reference	-12.79	-12.79		PASS
		30~1000	-12.79	-56.34	≤-42.79	PASS
		1000~26500	-12.79	-55.07	≤-42.79	PASS
	2462	Reference	-13.15	-13.15		PASS
		30~1000	-13.15	-57.08	≤-43.15	PASS
		1000~26500	-13.15	-54.93	≤-43.15	PASS



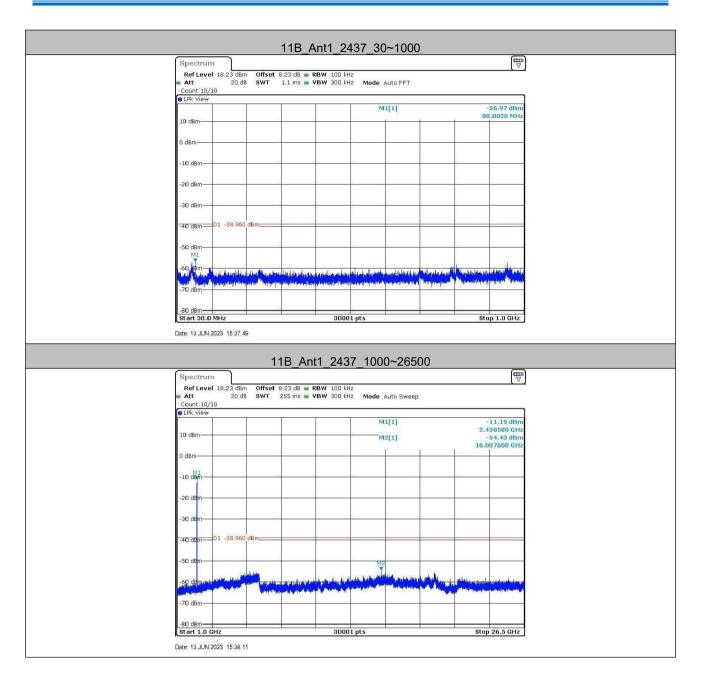
Test Graphs



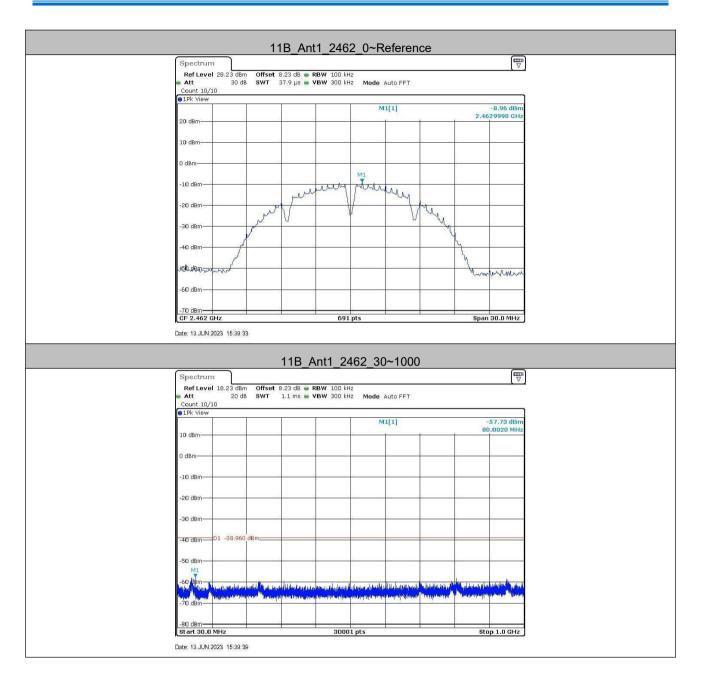




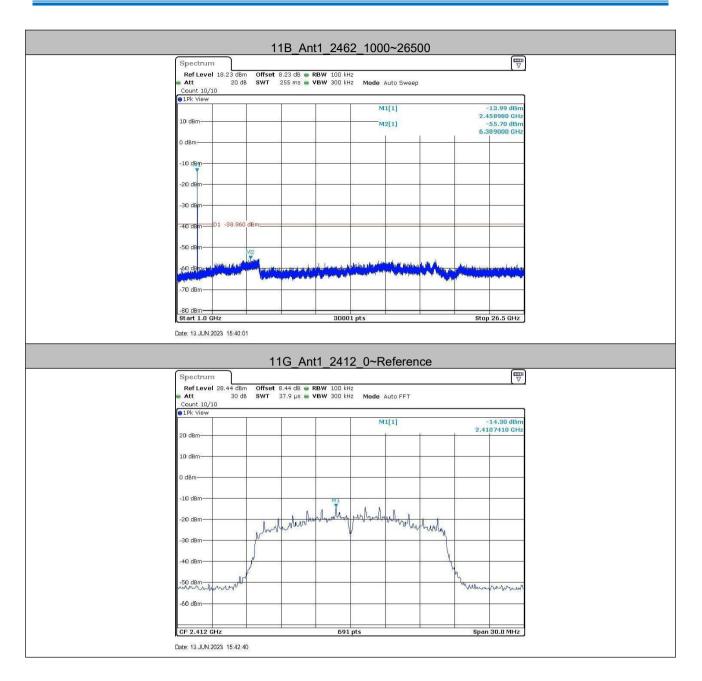




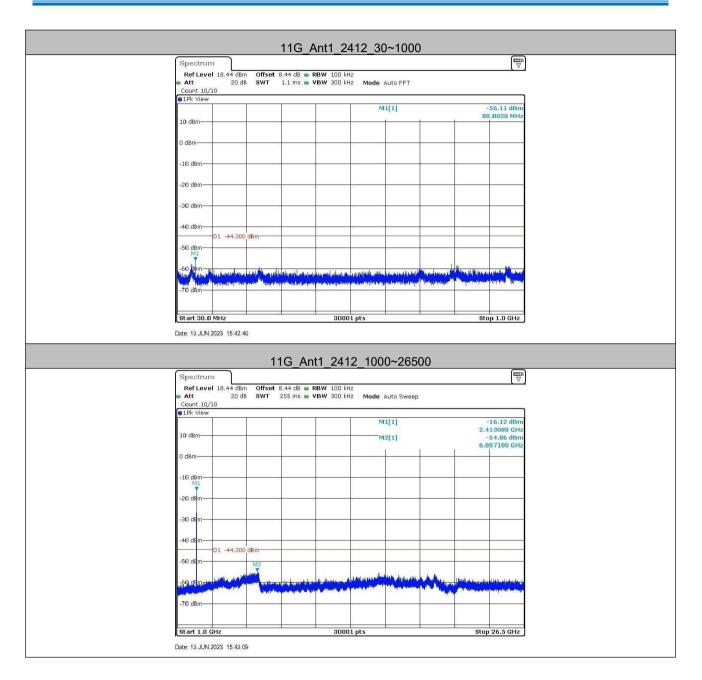




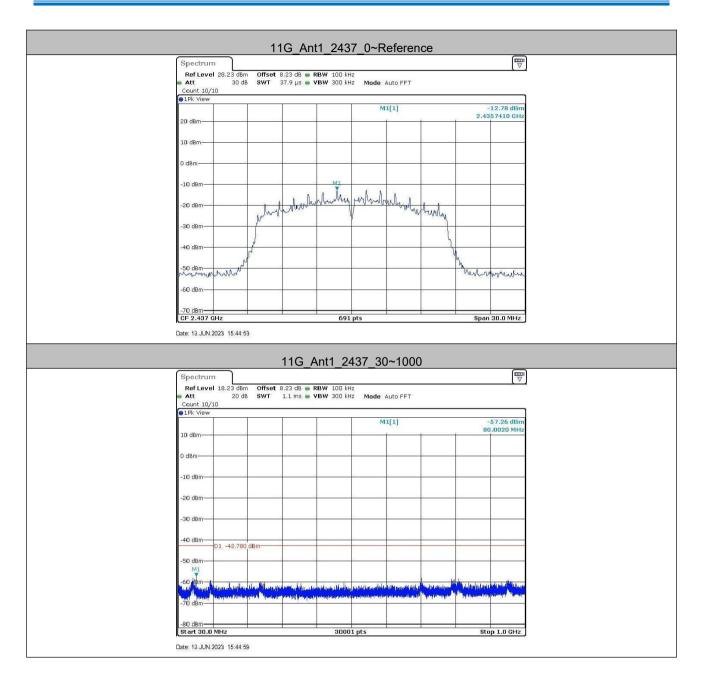




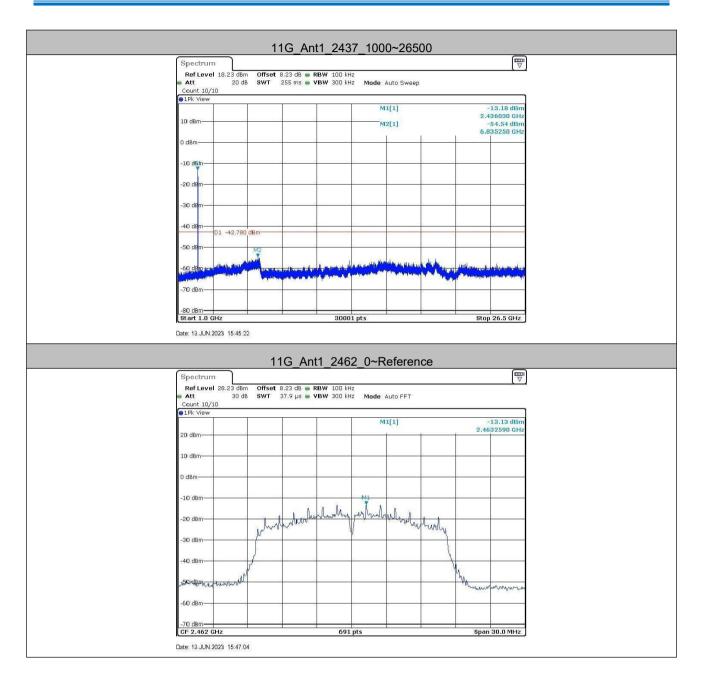




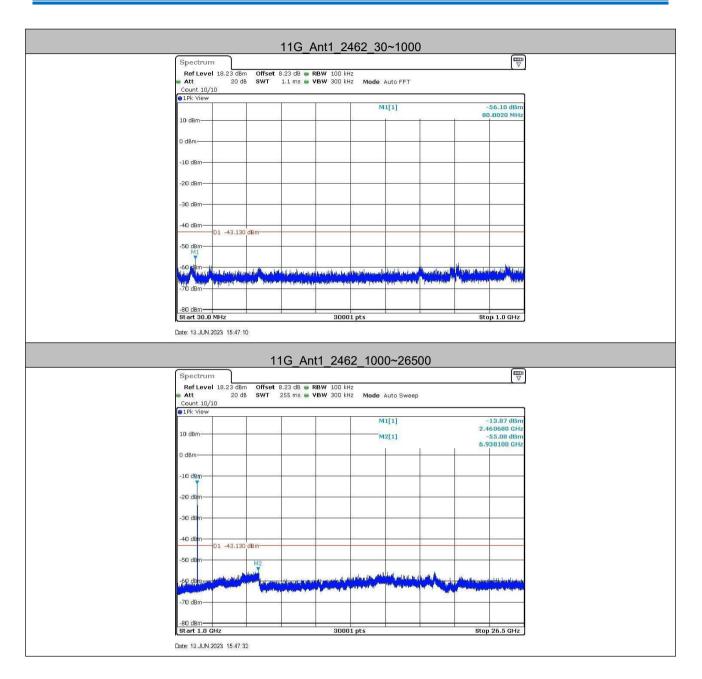




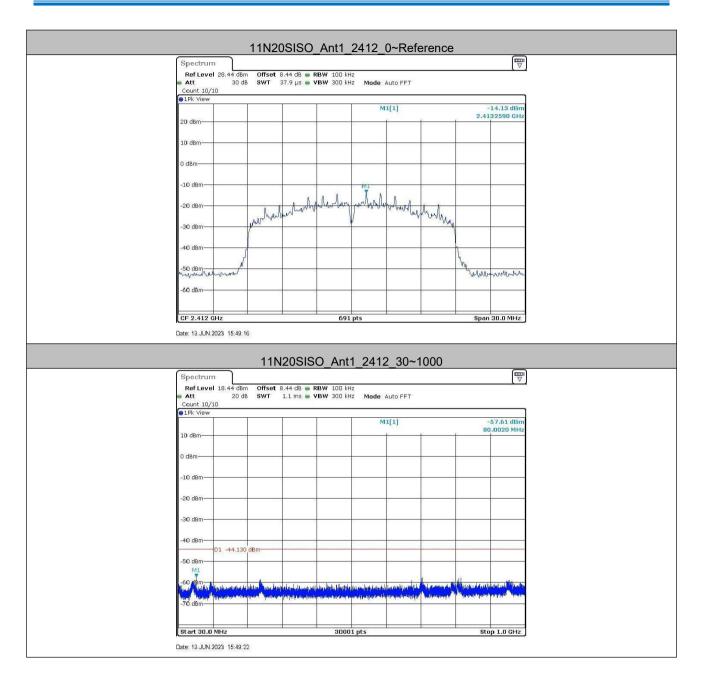




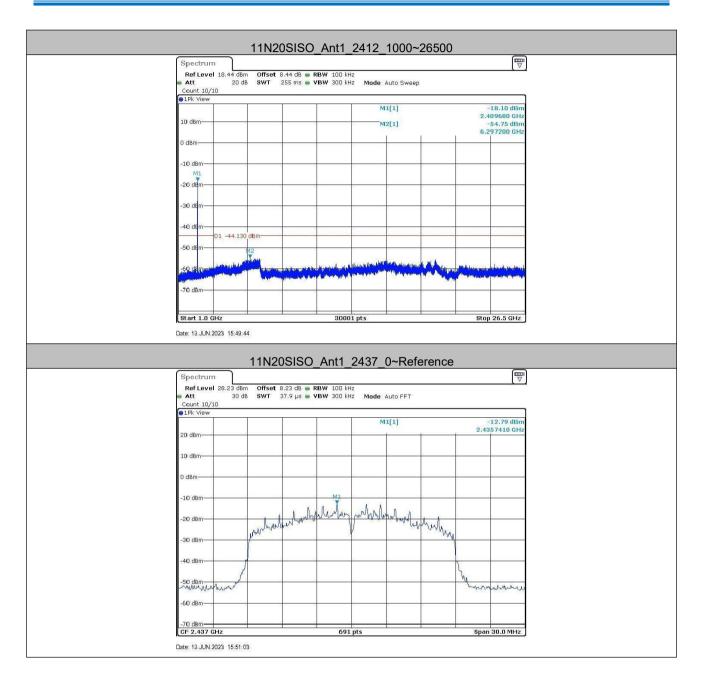




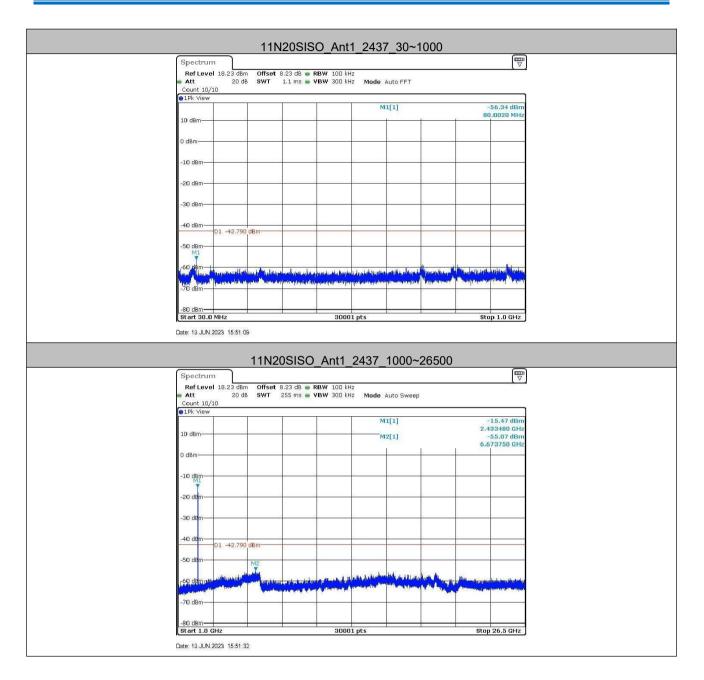




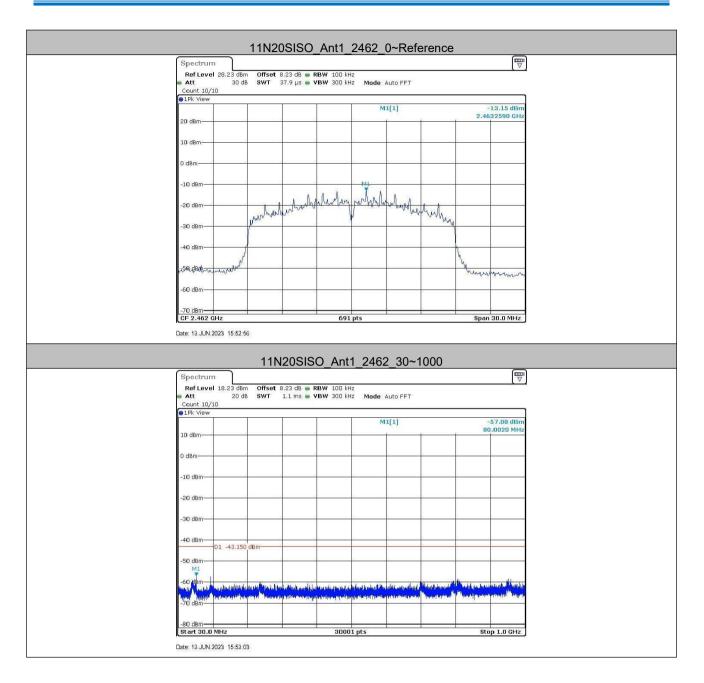




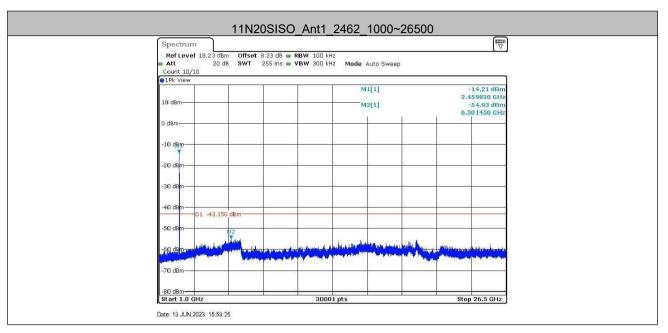












Remark:

Pretest 9kHz to 25GHz, find the highest point when testing, so only the worst data were shown in the test report. Per FCC Part 15.33 (a) and 15.31 (o) ,The amplitude of spurious emissions from intentional radiators which are attenuated more than 20 dB below the permissible value need not be reported unless specifically required elsewhere in this part.

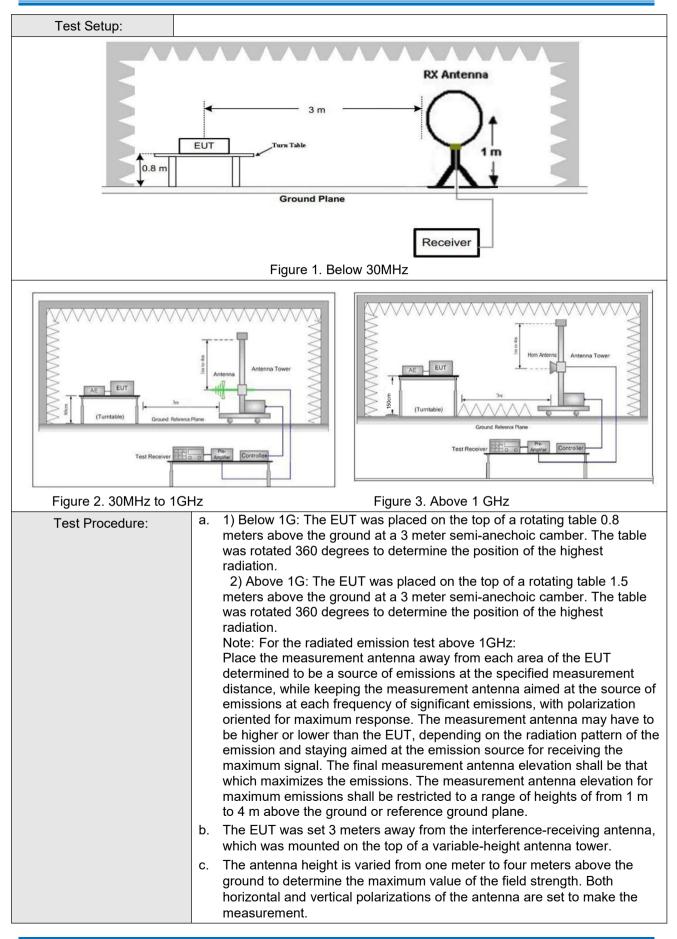


5.8 Radiated Spurious Emissions

-					
Test Requirement:	47 CFR Part 15C Section 15.209 and 15.205				
Test Method:	ANSI C63.10 2013				
Test Site:	Measurement Distance: 3m (Semi-Anechoic Chamber)				
Receiver Setup:	Frequency	Detector	RBW	VBW	Remark
	0.009MHz-0.090MHz	Peak	10kHz	30kHz	Peak
	0.009MHz-0.090MHz	Average	10kHz	30kHz	Average
	0.090MHz-0.110MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
	0.110MHz-0.490MHz	Peak	10kHz	30kHz	Peak
	0.110MHz-0.490MHz	Average	10kHz	30kHz	Average
	0.490MHz -30MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
	30MHz-1GHz	Quasi-peak	100 kHz	300kHz	Quasi-peak
		Peak	1MHz	3MHz	Peak
	Above 1GHz	Peak	1MHz	10Hz	Average
Limit:	Frequency Field strength (microvolt/mete		Limit (dBuV/m)	Remark	Measurement distance (m)
	0.009MHz-0.490MHz	2400/F(kHz)	-	-	300
	0.490MHz-1.705MHz	24000/F(kHz)	-	-	30
	1.705MHz-30MHz	1.705MHz-30MHz 30		-	30
	30MHz-88MHz	0MHz-88MHz 100		Quasi-peak	3
	88MHz-216MHz	150	43.5	Quasi-peak	3
	216MHz-960MHz	200	46.0	Quasi-peak	3
	960MHz-1GHz	500	54.0	Quasi-peak	3
	Above 1GHz	500	54.0	Average	3
	Note: 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.				



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	d. For each suspected emission, the EUT was arranged to its worst case	
	and then the antenna was tuned to heights from 1 meter to 4 meters(for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.	
	e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.	
	f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.	
	g. Test the EUT in the lowest channel, the middle channel, the Highest channel.	
	 The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, And found the X axis positioning which it is worse case. 	
	i. Repeat above procedures until all frequencies measured was complete.	
Exploratory Test Mode:	: Transmitting with all kind of modulations, data rates at lowest, middle and highest channel.	
Final Test Mode:	Only the worst case is recorded in the report.	
Test Results:	Pass	