

**47 CFR PART 22/24/27 TEST REPORT**

**for**

**Frontpoint Hub**

**Model No.: FPHUB3.1**

**FCC ID: GX9FPHUB3-1**

**of**

**Applicant: CLIMAX TECHNOLOGY CO., LTD.**

**Address: No. 258, Sinhu 2nd Rd., Neihu District  
Taipei City 114 Taiwan (R.O.C.)**

**Tested and Prepared**

**by**

**Worldwide Testing Services (Taiwan) Co., Ltd.**

**FCC Registration No.: TW1477, TW1072**

**Industry Canada filed test laboratory Reg. No. 20037**



**Report No.: W6R22112-21431-P-247**

6F, NO. 58, LANE 188, RUEY-KUANG RD., NEIHU TAIPEI 114, TAIWAN, R.O.C.  
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# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22104-20827-P-247  
FCC ID: GX9FPHUB3

## Certification of Test Report

Applicant : CLIMAX TECHNOLOGY CO., LTD.  
No. 258, Sinhu 2nd Rd., Neihu District  
Taipei City 114 Taiwan (R.O.C.)

Manufacturer : CLIMAX TECHNOLOGY CO., LTD.  
No. 258, Sinhu 2nd Rd., Neihu District  
Taipei City 114 Taiwan (R.O.C.)

Tested Equipment :

Type Description	: Frontpoint Hub
Model Number	: FPHUB3.1
Multi-listing Model Number	: ./.
Brand Name	: ./.
Operation Frequency	: Please see chapter 2.3.
RF Output Power:	: WCDMA Band 2: 25.87 dBm (EIRP) Band 4: 24.84 dBm (EIRP) Band 5: 22.79 dBm (ERP) LTE Band 2: 25.32 dBm (EIRP) Band 4: 24.95 dBm (EIRP) Band 12: 24.43 dBm (ERP)
Power Supply	: Adaptor (I/P: 100-240V~ 50/60Hz, 0.8A; O/P: 12V, 1.5A) Battery 7.2V, 2300mAh

Regulation Applied : 47CFR Part 22 (2020-10), Part 24 (2020-10),  
Part 27 (2020-10)

Test Method : 47CFR Part 2 (2020), TIA/EIA-603E (2016) and  
ANSI C63.26 (2015)

I HEREBY CERTIFY THAT: The test results written in this report were derived conscientiously in accordance with the requirements and procedures of 47CFR Part 2 (2020), TIA/EIA-603E (2016), ANSI C63.26 (2015), and it was found that the device described above is in compliance with the applicable limits specified in 47CFR Part 22/24/27.

### Note:

1. The result of this test report is valid only in connection to the sample has been tested at the laboratory of Worldwide Testing Services (Taiwan) Co. Ltd.
2. This test report shall always be duplicated in full pages unless the written approval of the testing laboratory is obtained.

### Test Engineer:

December 20, 2021                      Sora Kuo

Date	WTS-Lab.	Name	Signature
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### Technical responsibility for area of testing:

December 20, 2021                      Kevin Wang

Date	WTS	Name	Signature
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**1. Summary**

**1.1 Description of tested equipment**

This equipment under tested, FPHUB3.1, is a Frontpoint Hub.

This test report only contains test requirements specified in 47CFR Part 22, Part 24 and Part27 for WCDMA and LTE function. For other functions; please refer to separate test report with respect to the relevant test standard and specification.

**1.2 Date of testing processing**

Date of receipt of test item: December 07, 2021

Date of test : from December 08, 2021 to December 20, 2021

Other Information: None

**1.3 Modification Information**

No modification was made during the all test items been performed.

**1.4 Test standards**

Technical standard: **47CFR Part 22 (2020), Part 24 (2020) and Part 27 (2020)**

Test method: **47 CFR Part 2 (2020), TIA/EIA-603E (2016),  
ANSI C63.26 (2015)**

Deviation from test standard: None



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**1.5 Summary of test result**

WCDMA

Section in this Report	Test Item	FCC Relevant Section	Verdict
3.2	Effective Radiated Power and Equivalent Isotropic Radiated Power Measurement	2.1046(a), 24.232	Pass
4.2	Modulation characteristics	2.1047	Not Required
5.3	Peak-to-Average Ratio	24.232	Pass
6.2	Occupied bandwidth	2.1049(h) 24.238(b)	Pass
7.2	Conducted Spurious Emission Measurement	24.238(a), 2.1051	Pass
8.2	Radiated Spurious Emission Measurement	24.238(a), 2.1053	Pass
8.5	Conducted Band Edge Measurement	24.238(b)	Pass
9.2	Frequency stability / Temperature variation Measurement	2.1055 24.235	Pass

LTE

Harmonized Standard Requirements and Conformance Test Specifications				
Item	Clause	Test Content	Limit	Test Result
3.2	§22.913 §24.232 §27.50	Effective Radiated Power and Equivalent Isotropic Radiated Power Measurement	ERP < 7 Watts (Band 5) EIRP < 2 Watts (Band 2) ERP < 3 Watts (Band 12) EIRP < 1 Watts (Band 4)	Pass
5.3	§24.232 §27.50	Peak-to-Average Ratio	< 13 dB	Pass
6.2	§2.1049	Occupied Bandwidth	OBW : No Limit	Pass
7.2	§22.917 §24.238 §27.53	Conducted Spurious Emission Measurement	< 43+10log10(P[Watts])	Pass
8.2	§22.917 §24.238 §27.53	Radiated Spurious Emission Measurement	< 43+10log10(P[Watts])	Pass
8.5	§22.917 §24.238 §27.53	Conducted Band Edge Measurement	< 43+10log10(P[Watts])	Pass
9.2	§2.1055 §22.355 §24.235 §27.54	Frequency stability / Temperature variation Measurement	< 2.5 ppm	Pass



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Test item Name	Measurement Uncertainty
Estimation Result of Uncertainty of Radiated Emission(3M)	Expanded Uncertainty: 0.009-30 MHz : 2.13 dB 30-1000 MHz : 3.53 dB 1-18 GHz : 4.19 dB 18-40 GHz : 4.09 dB
Estimation Result of Uncertainty of Conducted Output Power Measurement	Expanded Uncertainty : 1.61 dB
Estimation Result of Uncertainty of Bandwidth Measurement	Expanded Uncertainty : 0.41 kHz
Estimation Result of Uncertainty of Frequency Drift Measurement	Expanded Uncertainty : 6.11 Hz
Estimation Result of Uncertainty of Band Edge Measurement	Expanded Uncertainty : 1.33 dBc

The decision rule is: Measurement uncertainty is not included in the calculation of test results.



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**2. General Information**

**2.1 Testing laboratory**

**2.1.1 Location**

OATS  
No.5-1, Shuang Sing Village,  
LiShuei Rd., Wanli Township,  
Taipei County 207, Taiwan (R.O.C.)  
Company  
Worldwide Testing Services (Taiwan) Co., Ltd.  
6F, NO. 58, LANE 188, RUEY-KUANG RD.  
NEIHU, TAIPEI 114, TAIWAN R.O.C.  
Tel : 886-2-66068877  
Fax : 886-2-66068879

**2.1.2 Details of accreditation status**

Accredited testing laboratory  
FCC filed test laboratory Reg. No. TW1477, TW1072  
Industry Canada filed test laboratory Reg. No. 20037

**2.1.3 Test location, where different from Worldwide Testing Services (Taiwan) Co., Ltd.**

**Name:** ./.  
**Accredited number:** ./.  
**Street:** ./.  
**Town:** ./.  
**Country:** ./.  
**Telephone:** ./.  
**Fax:** ./.

**2.2 Details of approval holder**

Name: CLIMAX TECHNOLOGY CO., LTD.  
Street: No. 258, Sinhu 2nd Rd., Neihu District  
Town: Taipei City 114  
Country: Taiwan (R.O.C.)  
Telephone: +886-2-2794-0001  
Fax: +886-2-2792-6618

**Manufacturer:** (if different from applicant)

Name: ./.  
Street: ./.  
Town: ./.  
Country: ./.





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**2.3 Description of Tested System**

The EUT was tested alone without the Accessories or Peripherals.

Equipment	Model No.	Series No.	Software	Cable information	Note
No accessories were used with this EUT.					

Frequencies Selected to be investigated:

WCDMA		
Band	Tx	Rx
WCDMA Band 2	MHz	MHz
CH 9262	1852.4	1932.4
CH 9400	1880	1960
CH 9538	1907.6	1987.6
WCDMA Band 4	MHz	MHz
CH 1312	1712.4	2112.4
CH 1413	1732.6	2132.6
CH 1513	1752.6	2152.6
WCDMA Band 5	MHz	MHz
CH 4132	826.4	871.4
CH 4183	836.6	881.6
CH 4233	846.6	891.6

LTE							
Operating Band	Channel Bandwidth	Bottom Channel		Middle Channel		Top Channel	
		Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
2	1.4MHz	18607	1850.7	18900	1880	19193	1909.3
2	3MHz	18615	1851.5	18900	1880	19185	1908.5
2	5MHz	18625	1852.5	18900	1880	19175	1907.5
2	10MHz	18650	1855	18900	1880	19150	1905
2	15MHz	18675	1857.5	18900	1880	19125	1902.5
2	20MHz	18700	1860	18900	1880	19100	1900



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LTE							
Operating Band	Channel Bandwidth	Bottom Channel		Middle Channel		Top Channel	
		Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
4	1.4MHz	19957	1710.7	20175	1732.5	20393	1754.3
4	3MHz	19965	1711.5	20175	1732.5	20385	1753.5
4	5MHz	19975	1712.5	20175	1732.5	20375	1752.5
4	10MHz	20000	1715	20175	1732.5	20350	1750
4	15MHz	20025	1717.5	20175	1732.5	20325	1747.5
4	20MHz	20050	1720	20175	1732.5	20300	1745

LTE							
Operating Band	Channel Bandwidth	Bottom Channel		Middle Channel		Top Channel	
		Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
12	1.4MHz	23017	699.7	23095	707.5	23173	715.3
12	3MHz	23025	700.5	23095	707.5	23165	714.5
12	5MHz	23035	701.5	23095	707.5	23155	713.5
12	10MHz	23060	704	23095	707.5	23130	711

Antenna Type: PCB antenna

Antenna Gain: WCDMA (Band 2: 2.97 dBi, Band 4: 2.83 dBi, Band 5: 0.7 dBi)  
 LTE (Band 2: 2.97 dBi, Band 4: 2.83 dBi, Band 12: 1.29 dBi)  
 (Testing laboratory assumes no responsibility for affecting any validity of the result while the information which is provided by clients.)

Power supply: Adaptor (I/P: 100-240V~ 50/60Hz, 0.8A; O/P: 12V, 1.5A)  
 Battery 7.2V, 2300mAh

**2.4 Test environment**

Relative humidity content: 54 %  
 Air pressure: 86-103 Kpa



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## **2.5 General Test Requirement**

**Radiated Emission:** For investigated frequency is equal to or below 1GHz, the RBW and VBW of the spectrum analyzer was 100 kHz and 100 kHz respectively with an appropriate sweep speed.

For investigated frequency is above 1GHz, both of RBW and VBW of the spectrum analyzer were 1 MHz with an appropriate sweep speed. The analyzer was calibrated in dB above a microvolt at the output of the antenna.

The table used for radiated measurements is capable of continuous rotation. The spectrum was scanned from 30 MHz to the frequency specified as follows:

- (1) If the intentional radiator operates below 10 GHz: to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.
- (2) If the intentional radiator operates at or above 10 GHz and below 30 GHz: to the fifth harmonic of the highest fundamental frequency or to 100 GHz, whichever is lower.
- (3) If the intentional radiator operates at or above 30 GHz: to the fifth harmonic of the highest fundamental frequency or to 200 GHz, whichever is lower, unless specified otherwise elsewhere in the rules.

For hand-held devices, a exploratory test was performed with three (3) orthogonal planes to determine the highest emissions.

When an emission was found, the table was rotated to produce the maximum signal strength. At this point, the antenna was raised and lowered from 1m to 4m. The antenna was placed in both the horizontal and vertical planes.



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## 2.6 Test Equipment List

No.	Test equipment	Type	Serial No.	Manufacturer	Cal. Date	Next Cal. Date
ETSTW-CE 001	EMI TEST RECEIVER	ESHS10	842121/013	R&S	2021/6/17	2022/6/16
ETSTW-CE 003	AC POWER SOURCE	APS-9102	D161137	GW	Function Test	
ETSTW-CE 004	ZWEILEITER-V-NETZNACHBILDUNG TWO-LINE V-NETWORK	ESH3-Z5	840731/011	R&S	2021/11/9	2022/11/8
ETSTW-CE 006	IMPULSBEGRENZER PULSE LIMITER	ESH3-Z2	100226	R&S	2021/9/22	2022/9/21
ETSTW-CE 008	HF-EICHLITUNG RF STEP ATTENUATOR 139dB DPSP	334.6010.02	844581/024	R&S	Function Test	
ETSTW-CE 009	TEMP.&HUMIDITY CHAMBER	GTH-225-40-1P-U	MAA0305-009	GIANT FORCE	2021/7/29	2022/7/28
ETSTW-CE 016	TWO-LINE V-NETWORK	ENV216	100050	R&S	2021/11/8	2022/11/7
ETSTW-CE 028	MXE EMI Receiver	N9038A	MY53220110	Agilent	2021/7/28	2022/7/27
ETSTW-RE 003	EMI TEST RECEIVER	ESI 26	831438/001	R&S	2021/6/17	2022/6/16
ETSTW-RE 004	EMI TEST RECEIVER	ESI 40	832427/004	R&S	2021/9/28	2022/9/27
ETSTW-RE 012	TUNABLE BANDREJECT FILTER	D.C 0309	146	K&L	Function Test	
ETSTW-RE 013	TUNABLE BANDREJECT FILTER	D.C 0336	397	K&L	Function Test	
ETSTW-RE 018	MICROWAVE HORN ANTENNA	AT4560	27212	AR	2021/8/4	2022/8/3
ETSTW-RE 019	MICROWAVE HORN ANTENNA	22240-25	121074	FM	2021/5/31	2022/5/30
ETSTW-RE 027	Passive Loop Antenna	6512	00034563	ETS-Lindgren	2021/6/16	2022/6/15
ETSTW-RE 030	Double-Ridged Guide Horn Antenna	3117	00035224	ETS-Lindgren	2021/5/5	2022/5/4
ETSTW-RE 042	Biconical Antenna	HK116	100172	R&S	2021/3/18	2022/3/17
ETSTW-RE 043	Log-Periodic Dipole Antenna	HL223	100166	R&S	2021/5/21	2022/5/20
ETSTW-RE 044	Log-Periodic Antenna	HL050	100094	R&S	2021/7/14	2022/7/13
ETSTW-RE 045	ESA-E SERIES SPECTRUM ANALYZER	E4404B	MY45111242	Agilent	Pre-test Use	
ETSTW-RE 050	Attenuator 10dB	50HF-010-1	None	JFW	2021/2/19	2022/2/18
ETSTW-RE 051	Attenuator 6dB	50HF-006-1	None	JFW	2021/2/19	2022/2/18
ETSTW-RE 053	Attenuator 3dB	50HF-003-1	None	JFW	2021/2/19	2022/2/18
ETSTW-RE 055	SPECTRUM ANALYZER	FSU 26	200074	R&S	2021/3/16	2022/3/15
ETSTW-RE 060	Attenuator 30dB	5015-30	F651012z-01	ATM	2021/2/19	2022/2/18
ETSTW-RE 062	Amplifier Module	CHC 2	None	KMIC	2021/5/14	2022/5/13
ETSTW-RE 064	Bluetooth Test Set	MT8852B-042	6K00005709	Anritsu	Function Test	
ETSTW-RE 069	Double-Ridged Guide Horn Antenna	3117	00069377	ETS-Lindgren	Function Test	
ETSTW-RE 072	CELL SITE TEST SET	8921A	3339A00375	HP	2021/10/27	2022/10/26
ETSTW-RE 088	SOLID STATE AMPLIFIER	KMA180265A01	99057	KMIC	2021/9/17	2022/9/16
ETSTW-RE 091	Match Pad	MDCS1500	None	WOKEN	2021/5/27	2022/5/26
ETSTW-RE 099	DC Block	50DB-007-1	None	JFW	2021/2/19	2022/2/18
ETSTW-RE 112	AC POWER SOURCE	TFC-1005	T-0A023536	T-Power	Function test	



# Worldwide Testing Services(Taiwan) Co., Ltd.

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ETSTW-RE 115	2.4GHz Notch Filter	N0124411	473874	MICROWAVE CIRCUITS	2021/1/6	2022/1/5
ETSTW-RE 120	RF Player	MP9200	MP9210-111022	ADIVIC	2021/10/29	2022/10/28
ETSTW-RE 122	SIGNAL GENERATOR	SMF100A	102149	R&S	2021/6/8	2022/6/7
ETSTW-RE 125	5GHz Notch filter	5NSL11-5200/E221.3-O/O	1	K&L Microwave	2021/8/6	2022/8/5
ETSTW-RE 126	5GHz Notch filter	5NSL12-5800/E221.3-O/O	1	K&L Microwave	2021/8/6	2022/8/5
ETSTW-RE 127	RF Switch Box	RFS-01	None	WTS	2021/2/19	2022/2/18
ETSTW-RE 128	5.3GHz Notch filter	N0153001	SN487233	Microwave Circuits	2021/8/6	2022/8/5
ETSTW-RE 129	5.5GHz Notch filter	N0555984	SN487234	Microwave Circuits	2021/8/6	2022/8/5
ETSTW-RE 130	Handheld RF Spectrum Analyzer	N9340A	CN0147000204	Agilent	Pre-test Use	
ETSTW-RE 142	Amplifier	8447D	2805A03378	Agilent	2021/5/14	2022/5/13
ETSTW-RE 146	Preamplifier	JPA-10MIG	15090004	JPT	2021/6/4	2022/6/3
ETSTW-RE 152	Bi-log Hybrid Antenna	MCTD 2786B	BLB20J04029	ETC	2021/10/5	2022/10/4
ETSTW-RE 153	Signal Analyzer	FSV40	101929	R&S	2021/10/6	2022/10/5
ETSTW-RE 159	Bi-log Hybrid Antenna (30M-1000 MHz)	MCTD 2786B	BLB21N04035	ETC	2021/12/06	2022/12/05
ETSTW-RF 002	Electromagnetic field probe	LF-30	K-0007	STT	2021/7/19	2022/7/18
ETSTW-EMI 011	USB Compact Modulator	SFC-U	101689	R&S	2021/6/2	2022/6/1
ETSTW-GSM 002	Universal Radio Communication Tester	CMU 200	109439	R&S	2021/3/16	2022/3/15
ETSTW-GSM 003	Radio Communication Analyzer	MT8820C	6201342073	Anritsu	2021/4/27	2022/4/26
ETSTW-GSM 004	Wideband Radio Communication Tester	CMW500	128092	R&S	2021/10/29	2022/10/28
ETSTW-GSM 019	Band Reject Filter	WRCTF824/849-822/851-40/12+9SS	3	WI	2021/1/6	2022/1/5
ETSTW-GSM 020	Band Reject Filter	WRCD1747/1748-1743/1752-32/5SS	1	WI	2021/1/6	2022/1/5
ETSTW-GSM 021	Band Reject Filter	WRCD1879.5/1880.5-1875.5/1884.5-32/5SS	3	WI	2021/1/6	2022/1/5
ETSTW-GSM 022	Band Reject Filter	WRCT901.9/903.1-904.25-50/8SS	1	WI	2021/1/6	2022/1/5
ETSTW-GSM 023	Power Divider	4901.19.A	None	SUHNER	2021/9/7	2022/9/6
ETSTW-GSM 024	Radio Communication Analyzer	MT8821C	None	Anritsu	2021/4/1	2022/3/31
ETSTW-GSM 025	Band Reject Filter	BRM19835	001	Micro-Tronics	2021/8/6	2022/8/5
ETSTW-Cable 011	SMA to N type Cable	RGU-400	None	THERMAX	Pre-test Use NCR	
ETSTW-Cable 016	BNC Cable	Switch Box	B Cable 1	Schwarz beck	2021/2/19	2022/2/18
ETSTW-Cable 017	BNC Cable	X Cable	B Cable 2	Schwarz beck	2021/2/19	2022/2/18
ETSTW-Cable 018	BNC Cable	Y Cable	B Cable 3	Schwarz beck	2021/2/19	2022/2/18
ETSTW-Cable 019	BNC Cable	Z Cable	B Cable 4	Schwarz beck	2021/2/19	2022/2/18
ETSTW-Cable 020	N TYPE Cable	OATS Cable 1	N30N30-L335-15M	JYE BAO CO.,LTD.	2021/7/1	2022/6/30
ETSTW-Cable 027	Microwave Cable	SUCOFLEX 104	279083	HUBER+SUHNER	2021/5/7	2022/5/6
ETSTW-Cable 028	Microwave Cable	FA147A0015M2020	30064-2	UTIFLEX	2021/9/17	2022/9/16
ETSTW-Cable 029	Microwave Cable	FA147A0015M2020	30064-3	UTIFLEX	2021/9/17	2022/9/16
ETSTW-Cable 030	Microwave Cable	SUCOFLEX 104 (S Cable 9)	279067	HUBER+SUHNER	2021/2/19	2022/2/18



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ETSTW-Cable 043	Microwave Cable	SUCOFLEX 104	317576	HUBER+SUHNER	2021/5/14	2022/5/13
ETSTW-Cable 047	Microwave Cable	SUCOFLEX 104	325518	HUBER+SUHNER	2021/7/2	2022/7/1
ETSTW-Cable 058	Microwave Cable	SUCOFLEX 104	none	HUBER+SUHNER	2021/6/4	2022/6/3
ETSTW-Cable 064	Microwave Cable	SUCOFLEX 104	MY28891	HUBER+SUHNER	2021/5/14	2022/5/13
ETSTW-Cable 071	N TYPE CABLE	EMCCFD400-NM-NM-25000	170239	EMCI	2021/6/4	2022/6/3
ETSTW-Cable 072	SMA type cable (8m)	SUCOFLEX 104	805800/4	HUBER+SUHNER	2021/5/14	2022/5/13
ETSTW-Cable 074	SMA type cable (2m)	SUCOFLEX 104	802563/4	HUBER+SUHNER	2021/5/14	2022/5/13
WTSTW-SW 002	EMI TEST SOFTWARE	EZ_EMG	None	Farad	Version ETS-03A1 Version EMEC-3A1+	
WTSTW-SW 006	EMI TEST SOFTWARE	e3	None	AUDIX	Version 9.161014	
WTSTW-SW 008	Signal studio	Agilent	None	AUDIX	Version 2.0.0.1	
ETSTW-TH 002	Thermohygrometer	608-H1	45204317	Testo	2021/10/18	2022/10/17
ETSTW-TH 003	Wireless weather station	GAIA	N/A	TFA	2021/10/18	2022/10/17

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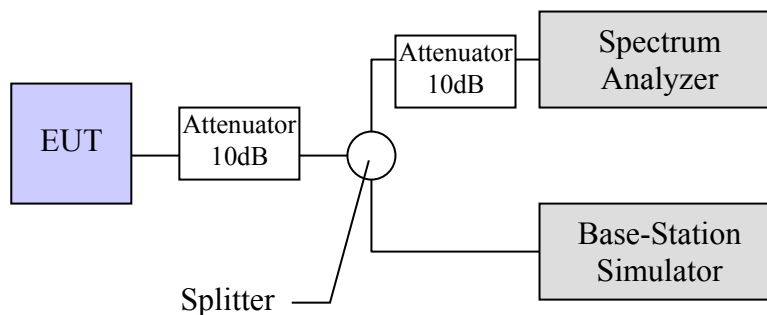
### 3. RF Power Output

#### 3.1 Test procedure

##### 3.1.1 Conducted Method

Per 47CFR Part 2.1046, the RF power output shall be measured at the RF output terminals and following procedure is employed:

The transmitter output was connected as the following figure:



The whole connection system is calibrated with a standard signal generator. Power on and make a link from simulator to EUT and then set the EUT to maximum output power.

Measure the RF power with the spectrum analyzer in accordance the following settings:

RBW: 300 kHz for Frequency below 1GHz and 1MHz for Frequency equal to and above 1GHz.

VBW: 300 kHz for Frequency below 1GHz and 1MHz for Frequency equal to and above 1GHz.

Span: 2MHz

Sweep: 3s

The power output at the transmitter antenna terminal is then determined by assign the value of the corrected factor to the spectrum analyzer reading.

Tests were performed at three frequencies (low, middle and high channels ) and operation mode selected.



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**3.2 Test Results**

Test date: December 13, 2021

Temperature: 22.1 °C

Humidity: 58.0%

Tester: Sora

**WCDMA**

WCDMA Band 2	POWER (dBm) Low Ch9262/ 1852.4MHz	POWER (dBm) Mid Ch9400/ 1880MHz	POWER (dBm) High Ch9538/ 1907.6MHz	EIRP Low Ch9262/ 1852.4MHz	EIRP Mid Ch9400/ 1880MHz	EIRP High Ch9538/ 1907.6MHz
RMC	22.54	22.80	22.90	25.51	22.80	25.87
HSDPA	21.49	21.73	21.91	24.46	21.73	24.88
HSUPA	21.65	21.94	21.90	24.62	24.91	24.87
WCDMA Band 4	POWER (dBm) Low Ch1312/ 1712.4MHz	POWER (dBm) Mid Ch1412/ 1732.4MHz	POWER (dBm) High Ch1513/ 1752.6MHz	ERP Low Ch1312/ 1712.4MHz	ERP Mid Ch1412/ 1732.4MHz	ERP High Ch1513/ 1752.6MHz
RMC	21.44	21.79	22.01	24.27	21.79	24.84
HSDPA	20.44	20.95	20.79	23.27	20.95	23.62
HSUPA	20.45	20.98	20.89	23.28	23.81	23.72
WCDMA Band 5	POWER (dBm) Low Ch4132/ 826.4MHz	POWER (dBm) Mid Ch4183/ 836.6MHz	POWER (dBm) High Ch4233/ 846.6MHz	ERP Low Ch4132/ 826.4MHz	ERP Mid Ch4183/ 836.6MHz	ERP High Ch4233/ 846.6MHz
RMC	22.09	21.97	21.56	22.79	21.97	22.26
HSDPA	21.23	20.69	20.84	21.93	20.69	21.54
HSUPA	21.21	20.83	20.74	21.91	21.53	21.44





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LTE

Band 2

BW(MHz)	Modulation	RB Size	RB offset	POWER (dBm) Low Ch18607/ 1850.7MHz	POWER (dBm) Mid Ch18900/ 1880MHz	POWER (dBm) High Ch19193/ 1909.3MHz	EIRP Low Ch18607/ 1850.7MHz	EIRP Mid Ch18900/ 1880MHz	EIRP High Ch19193/ 1909.3MHz
1.40	QPSK	1.00	0.00	21.43	21.83	21.97	24.40	24.80	24.94
1.40	QPSK	1.00	3.00	21.83	21.93	22.07	24.80	24.90	25.04
1.40	QPSK	1.00	5.00	21.47	21.85	21.90	24.44	24.82	24.87
1.40	QPSK	3.00	0.00	21.52	21.61	21.74	24.49	24.58	24.71
1.40	QPSK	3.00	1.00	21.71	21.76	21.65	24.68	24.73	24.62
1.40	QPSK	3.00	3.00	21.36	21.57	21.58	24.33	24.54	24.55
1.40	QPSK	6.00	0.00	20.36	20.43	20.53	23.33	23.40	23.50
1.40	16QAM	1.00	0.00	20.73	20.30	20.34	23.70	23.27	23.31
1.40	16QAM	1.00	3.00	20.66	20.81	20.78	23.63	23.78	23.75
1.40	16QAM	1.00	5.00	20.23	20.46	20.77	23.20	23.43	23.74
BW(MHz)	Modulation	RB Size	RB offset	POWER (dBm) Low Ch18615/ 1851.5MHz	POWER (dBm) Mid Ch18900/ 1880MHz	POWER (dBm) High Ch19185/ 1908.5MHz	EIRP Low Ch18615/ 1851.5MHz	EIRP Mid Ch18900/ 1880MHz	EIRP High Ch19185/ 1908.5MHz
3.00	QPSK	1.00	0.00	21.56	21.84	21.79	24.53	24.81	24.76
3.00	QPSK	1.00	7.00	21.49	21.79	22.09	24.46	24.76	25.06
3.00	QPSK	1.00	14.00	21.62	21.64	22.08	24.59	24.61	25.05
3.00	QPSK	8.00	0.00	20.36	20.66	20.67	23.33	23.63	23.64
3.00	QPSK	8.00	3.00	20.48	20.90	20.51	23.45	23.87	23.48
3.00	QPSK	8.00	7.00	20.41	20.57	20.65	23.38	23.54	23.62
3.00	QPSK	15.00	0.00	20.46	20.62	20.68	23.43	23.59	23.65
3.00	16QAM	1.00	0.00	21.28	21.00	21.66	24.25	23.97	24.63
3.00	16QAM	1.00	7.00	21.30	21.29	21.07	24.27	24.26	24.04
3.00	16QAM	1.00	14.00	21.22	20.87	21.23	24.19	23.84	24.20
BW(MHz)	Modulation	RB Size	RB offset	POWER (dBm) Low Ch18625/ 1852.5MHz	POWER (dBm) Mid Ch18900/ 1880MHz	POWER (dBm) High Ch19175/ 1907.5MHz	EIRP Low Ch18625/ 1852.5MHz	EIRP Mid Ch18900/ 1880MHz	EIRP High Ch19175/ 1907.5MHz
5.00	QPSK	1.00	0.00	21.44	21.71	21.82	24.41	24.68	24.79
5.00	QPSK	1.00	12.00	21.49	21.63	21.62	24.46	24.60	24.59
5.00	QPSK	1.00	24.00	21.49	21.76	21.83	24.46	24.73	24.80
5.00	QPSK	12.00	0.00	20.35	20.55	20.81	23.32	23.52	23.78
5.00	QPSK	12.00	6.00	20.43	20.57	20.62	23.40	23.54	23.59
5.00	QPSK	12.00	13.00	20.44	20.68	20.68	23.41	23.65	23.65
5.00	QPSK	25.00	0.00	20.45	20.66	20.63	23.42	23.63	23.60
5.00	16QAM	1.00	0.00	20.36	20.28	21.07	23.33	23.25	24.04
5.00	16QAM	1.00	12.00	20.21	20.21	20.89	23.18	23.18	23.86



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5.00	16QAM	1.00	24.00	20.75	21.12	21.53	23.72	24.09	24.50
BW(MHz)	Modulation	RB Size	RB offset	POWER (dBm) Low Ch18650/1855MHz	POWER (dBm) Mid Ch18900/1880MHz	POWER (dBm) High Ch19150/1905MHz	EIRP Low Ch18650/1855MHz	EIRP Mid Ch18900/1880MHz	EIRP High Ch19150/1905MHz
10.00	QPSK	1.00	0.00	22.15	22.27	22.34	25.12	25.24	25.31
10.00	QPSK	1.00	24.00	21.62	21.92	22.08	24.59	24.89	25.05
10.00	QPSK	1.00	49.00	21.70	22.06	22.11	24.67	25.03	25.08
10.00	QPSK	25.00	0.00	20.59	20.75	20.78	23.56	23.72	23.75
10.00	QPSK	25.00	12.00	20.46	20.79	20.82	23.43	23.76	23.79
10.00	QPSK	25.00	25.00	20.71	20.78	20.79	23.68	23.75	23.76
10.00	QPSK	50.00	0.00	20.91	21.11	21.18	23.88	24.08	24.15
10.00	16QAM	1.00	0.00	20.85	21.24	21.21	23.82	24.21	24.18
10.00	16QAM	1.00	24.00	20.73	21.11	20.85	23.70	24.08	23.82
10.00	16QAM	1.00	49.00	20.66	21.12	20.71	23.63	24.09	23.68
BW(MHz)	Modulation	RB Size	RB offset	POWER (dBm) Low Ch18675/1857.5MHz	POWER (dBm) Mid Ch18900/1880MHz	POWER (dBm) High Ch19125/1902.5MHz	EIRP Low Ch18675/1857.5MHz	EIRP Mid Ch18900/880MHz	EIRP High Ch19125/1902.5MHz
15.00	QPSK	1.00	0.00	21.37	21.69	21.74	24.34	24.66	24.71
15.00	QPSK	1.00	37.00	21.34	21.55	21.72	24.31	24.52	24.69
15.00	QPSK	1.00	74.00	21.29	21.67	21.71	24.26	24.64	24.68
15.00	QPSK	36.00	0.00	20.37	20.66	20.65	23.34	23.63	23.62
15.00	QPSK	36.00	19.00	20.42	20.62	20.64	23.39	23.59	23.61
15.00	QPSK	36.00	39.00	20.49	20.61	20.66	23.46	23.58	23.63
15.00	QPSK	75.00	0.00	20.41	20.53	20.56	23.38	23.50	23.53
15.00	16QAM	1.00	0.00	20.83	20.99	21.13	23.80	23.96	24.10
15.00	16QAM	1.00	37.00	21.03	20.89	20.95	24.00	23.86	23.92
15.00	16QAM	1.00	74.00	20.78	20.84	20.56	23.75	23.81	23.53
BW(MHz)	Modulation	RB Size	RB offset	POWER (dBm) Low Ch18700/1860MHz	POWER (dBm) Mid Ch18900/1880MHz	POWER (dBm) High Ch19100/1900MHz	EIRP Low Ch18675/1857.5MHz	EIRP Mid Ch18900/1880MHz	EIRP High Ch19125/1902.5MHz
20.00	QPSK	1.00	0.00	21.53	21.84	22.35	24.50	24.81	25.32
20.00	QPSK	1.00	49.00	22.02	21.85	22.13	24.99	24.82	25.10
20.00	QPSK	1.00	99.00	21.84	21.84	21.72	24.81	24.81	24.69
20.00	QPSK	50.00	0.00	20.56	20.62	20.95	23.53	23.59	23.92
20.00	QPSK	50.00	25.00	20.54	20.65	20.89	23.51	23.62	23.86
20.00	QPSK	50.00	50.00	20.64	20.68	20.95	23.61	23.65	23.92
20.00	QPSK	100.00	0.00	20.51	20.66	20.75	23.48	23.63	23.72
20.00	16QAM	1.00	0.00	21.32	22.05	20.72	24.29	25.02	23.69
20.00	16QAM	1.00	49.00	21.72	22.01	21.41	24.69	24.98	24.38
20.00	16QAM	1.00	99.00	20.91	21.81	20.98	23.88	24.78	23.95



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Band 4

BW(MHz)	Modulation	RB Size	RB offset	POWER (dBm) Low Ch19957/ 1710.7MHz	POWER (dBm) Mid Ch20175/ 1732.5MHz	POWER (dBm) High Ch20393/ 1754.3MHz	EIRP Low Ch19957/ 1710.7MHz	EIRP Mid Ch20175/ 1732.5MHz	EIRP High Ch20393/ 1754.3MHz
1.40	QPSK	1.00	0.00	21.63	21.71	21.57	24.46	24.54	24.40
1.40	QPSK	1.00	3.00	21.57	21.87	22.01	24.40	24.70	24.84
1.40	QPSK	1.00	5.00	21.46	21.80	21.89	24.29	24.63	24.72
1.40	QPSK	3.00	0.00	21.64	21.49	21.64	24.47	24.32	24.47
1.40	QPSK	3.00	1.00	21.62	21.58	21.72	24.45	24.41	24.55
1.40	QPSK	3.00	3.00	21.68	21.72	21.79	24.51	24.55	24.62
1.40	QPSK	6.00	0.00	20.56	20.59	20.82	23.39	23.42	23.65
1.40	16QAM	1.00	0.00	20.52	20.79	20.71	23.35	23.62	23.54
1.40	16QAM	1.00	3.00	20.69	20.95	20.94	23.52	23.78	23.77
1.40	16QAM	1.00	5.00	20.43	20.88	20.76	23.26	23.71	23.59
BW(MHz)	Modulation	RB Size	RB offset	POWER (dBm) Low Ch19965/ 1711.5MHz	POWER (dBm) Mid Ch20175/ 1732.5MHz	POWER (dBm) High Ch20385/ 1753.5MHz	EIRP Low Ch19965/ 1711.5MHz	EIRP Mid Ch20175/ 1732.5MHz	EIRP High Ch20385/ 1753.5MHz
3.00	QPSK	1.00	0.00	21.71	21.47	21.58	24.54	24.30	24.41
3.00	QPSK	1.00	7.00	21.41	21.44	21.59	24.24	24.27	24.42
3.00	QPSK	1.00	14.00	21.36	21.83	21.71	24.19	24.66	24.54
3.00	QPSK	8.00	0.00	20.43	20.56	20.63	23.26	23.39	23.46
3.00	QPSK	8.00	3.00	20.33	20.52	20.59	23.16	23.35	23.42
3.00	QPSK	8.00	7.00	20.36	20.65	20.55	23.19	23.48	23.38
3.00	QPSK	15.00	0.00	20.56	20.55	20.63	23.39	23.38	23.46
3.00	16QAM	1.00	0.00	21.20	20.33	20.89	24.03	23.16	23.72
3.00	16QAM	1.00	7.00	20.83	20.79	20.64	23.66	23.62	23.47
3.00	16QAM	1.00	14.00	20.71	20.99	21.22	23.54	23.82	24.05
BW(MHz)	Modulation	RB Size	RB offset	POWER (dBm) Low Ch19975/ 1712.5MHz	POWER (dBm) Mid Ch20175/ 1732.5MHz	POWER (dBm) High Ch20375/ 1752.5MHz	EIRP Low Ch19975/ 1712.5MHz	EIRP Mid Ch20175/ 1732.5MHz	EIRP High Ch20375/ 1752.5MHz
5.00	QPSK	1.00	0.00	21.20	21.33	21.64	24.03	24.16	24.47
5.00	QPSK	1.00	12.00	21.26	21.54	21.76	24.09	24.37	24.59
5.00	QPSK	1.00	24.00	21.24	21.47	21.89	24.07	24.30	24.72
5.00	QPSK	12.00	0.00	20.39	20.41	20.63	23.22	23.24	23.46
5.00	QPSK	12.00	6.00	20.33	20.54	20.60	23.16	23.37	23.43
5.00	QPSK	12.00	13.00	20.35	20.55	20.61	23.18	23.38	23.44
5.00	QPSK	25.00	0.00	20.55	20.31	20.57	23.38	23.14	23.40
5.00	16QAM	1.00	0.00	20.13	20.21	21.09	22.96	23.04	23.92
5.00	16QAM	1.00	12.00	20.12	20.44	20.96	22.95	23.27	23.79
5.00	16QAM	1.00	24.00	20.07	20.27	21.23	22.90	23.10	24.06



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BW(MHz)	Modulation	RB Size	RB offset	POWER (dBm) Low Ch20000/1715MHz	POWER (dBm) Mid Ch20175/1732.5MHz	POWER (dBm) High Ch20350/1750MHz	EIRP Low Ch20000/1715MHz	EIRP Mid Ch20175/1732.5MHz	EIRP High Ch20350/1750MHz
10.00	QPSK	1.00	0.00	21.31	20.94	21.23	24.14	23.77	24.06
10.00	QPSK	1.00	24.00	21.41	21.05	21.26	24.24	23.88	24.09
10.00	QPSK	1.00	49.00	21.33	21.21	21.27	24.16	24.04	24.10
10.00	QPSK	25.00	0.00	20.18	20.30	20.23	23.01	23.13	23.06
10.00	QPSK	25.00	12.00	20.15	20.11	20.23	22.98	22.94	23.06
10.00	QPSK	25.00	25.00	20.10	20.23	20.17	22.93	23.06	23.00
10.00	QPSK	50.00	0.00	20.22	20.32	20.43	23.05	23.15	23.26
10.00	16QAM	1.00	0.00	20.64	20.36	21.28	23.47	23.19	24.11
10.00	16QAM	1.00	24.00	20.59	21.12	21.31	23.42	23.95	24.14
10.00	16QAM	1.00	49.00	20.88	21.23	21.18	23.71	24.06	24.01
BW(MHz)	Modulation	RB Size	RB offset	POWER (dBm) Low Ch20025/1717.5MHz	POWER (dBm) Mid Ch20175/1732.5MHz	POWER (dBm) High Ch20325/1747.5MHz	EIRP Low Ch20025/1717.5MHz	EIRP Mid Ch20175/1732.5MHz	EIRP High Ch20325/1747.5MHz
15.00	QPSK	1.00	0.00	21.42	21.43	21.17	24.25	24.26	24.00
15.00	QPSK	1.00	37.00	21.27	21.44	21.39	24.10	24.27	24.22
15.00	QPSK	1.00	74.00	21.61	21.88	21.20	24.44	24.71	24.03
15.00	QPSK	36.00	0.00	20.07	20.71	20.28	22.90	23.54	23.11
15.00	QPSK	36.00	19.00	20.22	20.75	20.15	23.05	23.58	22.98
15.00	QPSK	36.00	39.00	20.31	20.79	20.04	23.14	23.62	22.87
15.00	QPSK	75.00	0.00	20.17	20.64	20.49	23.00	23.47	23.32
15.00	16QAM	1.00	0.00	21.38	20.97	20.79	24.21	23.80	23.62
15.00	16QAM	1.00	37.00	21.39	21.81	20.56	24.22	24.64	23.39
15.00	16QAM	1.00	74.00	21.02	21.95	20.02	23.85	24.78	22.85
BW(MHz)	Modulation	RB Size	RB offset	POWER (dBm) Low Ch20050/1720MHz	POWER (dBm) Mid Ch20175/1732.5MHz	POWER (dBm) High Ch20300/1745MHz	EIRP Low Ch20050/1720MHz	EIRP Mid Ch20175/1732.5MHz	EIRP High Ch20300/1745MHz
20.00	QPSK	1.00	0.00	21.22	21.09	21.91	24.05	23.92	24.74
20.00	QPSK	1.00	49.00	21.26	21.26	22.12	24.09	24.09	24.95
20.00	QPSK	1.00	99.00	21.55	21.46	21.96	24.38	24.29	24.79
20.00	QPSK	50.00	0.00	20.39	20.23	20.88	23.22	23.06	23.71
20.00	QPSK	50.00	25.00	20.41	20.38	20.56	23.24	23.21	23.39
20.00	QPSK	50.00	50.00	20.49	20.55	20.54	23.32	23.38	23.37
20.00	QPSK	100.00	0.00	20.42	20.37	20.85	23.25	23.20	23.68
20.00	16QAM	1.00	0.00	20.13	20.82	20.78	22.96	23.65	23.61
20.00	16QAM	1.00	49.00	20.60	20.96	20.61	23.43	23.79	23.44
20.00	16QAM	1.00	99.00	20.81	21.12	20.13	23.64	23.95	22.96



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Band 12

BW(MHz)	Modulation	RB Size	RB offset	POWER (dBm) Low Ch23017/ 699.7MHz	POWER (dBm) Mid Ch23095/ 707.5MHz	POWER (dBm) High Ch23173/ 715.3MHz	ERP Low Ch23017/ 699.7MHz	ERP Mid Ch23095/ 707.5MHz	ERP High Ch23173/ 715.3MHz
1.40	QPSK	1.00	0.00	23.02	22.89	22.73	24.31	24.18	24.02
1.40	QPSK	1.00	3.00	23.09	22.91	22.56	24.38	24.20	23.85
1.40	QPSK	1.00	5.00	23.05	22.87	22.54	24.34	24.16	23.83
1.40	QPSK	3.00	0.00	23.03	22.81	22.57	24.32	24.10	23.86
1.40	QPSK	3.00	1.00	23.01	22.75	22.39	24.30	24.04	23.68
1.40	QPSK	3.00	3.00	23.03	22.71	22.57	24.32	24.00	23.86
1.40	QPSK	6.00	0.00	21.98	21.73	21.46	23.27	23.02	22.75
1.40	16QAM	1.00	0.00	22.38	21.61	21.88	23.67	22.90	23.17
1.40	16QAM	1.00	3.00	22.32	22.09	21.63	23.61	23.38	22.92
1.40	16QAM	1.00	5.00	22.23	22.18	21.56	23.52	23.47	22.85
BW(MHz)	Modulation	RB Size	RB offset	POWER (dBm) Low Ch23025/ 700.5MHz	POWER (dBm) Mid Ch23095/ 707.5MHz	POWER (dBm) High Ch23165/ 714.5MHz	ERP Low Ch23025/ 700.5MHz	ERP Mid Ch23095/ 707.5MHz	ERP High Ch23165/ 714.5MHz
3.00	QPSK	1.00	0.00	23.14	22.75	22.39	24.43	24.04	23.68
3.00	QPSK	1.00	7.00	22.96	22.86	22.51	24.25	24.15	23.80
3.00	QPSK	1.00	14.00	22.64	22.68	22.71	23.93	23.97	24.00
3.00	QPSK	8.00	0.00	21.91	21.67	21.62	23.20	22.96	22.91
3.00	QPSK	8.00	3.00	21.95	21.73	21.59	23.24	23.02	22.88
3.00	QPSK	8.00	7.00	21.98	21.85	21.63	23.27	23.14	22.92
3.00	QPSK	15.00	0.00	21.94	21.75	21.56	23.23	23.04	22.85
3.00	16QAM	1.00	0.00	22.65	21.56	21.43	23.94	22.85	22.72
3.00	16QAM	1.00	7.00	22.50	22.59	21.64	23.79	23.88	22.93
3.00	16QAM	1.00	14.00	22.38	22.48	21.41	23.67	23.77	22.70
BW(MHz)	Modulation	RB Size	RB offset	POWER (dBm) Low Ch23035/ 701.5MHz	POWER (dBm) Mid Ch23095/ 707.5MHz	POWER (dBm) High Ch23155/ 713.5MHz	ERP Low Ch23035/ 701.5MHz	ERP Mid Ch23095/ 707.5MHz	ERP High Ch23155/ 713.5MHz
5.00	QPSK	1.00	0.00	22.95	22.59	22.31	24.24	23.88	23.60
5.00	QPSK	1.00	12.00	22.77	22.88	22.51	24.06	24.17	23.80
5.00	QPSK	1.00	24.00	22.77	22.46	22.67	24.06	23.75	23.96
5.00	QPSK	12.00	0.00	21.88	21.67	21.46	23.17	22.96	22.75
5.00	QPSK	12.00	6.00	21.64	21.72	21.42	22.93	23.01	22.71
5.00	QPSK	12.00	13.00	21.53	21.81	21.38	22.82	23.10	22.67
5.00	QPSK	25.00	0.00	21.72	21.65	21.53	23.01	22.94	22.82
5.00	16QAM	1.00	0.00	22.08	21.29	21.24	23.37	22.58	22.53
5.00	16QAM	1.00	12.00	22.14	21.85	21.15	23.43	23.14	22.44
5.00	16QAM	1.00	24.00	22.23	21.31	21.14	23.52	22.60	22.43



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FCC ID: GX9FPHUB3-1

BW(MHz)	Modulation	RB Size	RB offset	POWER (dBm) Low Ch23060/704MHz	POWER (dBm) Mid Ch23095/707.5MHz	POWER (dBm) High Ch23130/711MHz	ERP Low Ch23060/704MHz	ERP Mid Ch23095/707.5MHz	ERP High Ch23130/711MHz
10.00	QPSK	1.00	0.00	22.80	22.48	22.83	24.09	23.77	24.12
10.00	QPSK	1.00	24.00	22.72	22.75	22.80	24.01	24.04	24.09
10.00	QPSK	1.00	49.00	22.81	22.38	22.57	24.10	23.67	23.86
10.00	QPSK	25.00	0.00	21.72	21.66	21.74	23.01	22.95	23.03
10.00	QPSK	25.00	12.00	21.61	21.58	21.54	22.90	22.87	22.83
10.00	QPSK	25.00	25.00	21.55	21.55	21.48	22.84	22.84	22.77
10.00	QPSK	50.00	0.00	21.73	21.62	21.49	23.02	22.91	22.78
10.00	16QAM	1.00	0.00	22.28	22.05	21.98	23.57	23.34	23.27
10.00	16QAM	1.00	24.00	22.39	22.48	21.68	23.68	23.77	22.97
10.00	16QAM	1.00	49.00	22.22	21.41	21.27	23.51	22.70	22.56

Test equipment: ETSTW-RE 004, ETSTW-RE 030, ETSTW-RE 062, ETSTW-RE 142, ETSTW-RE 147, ETSTW-GSM 004

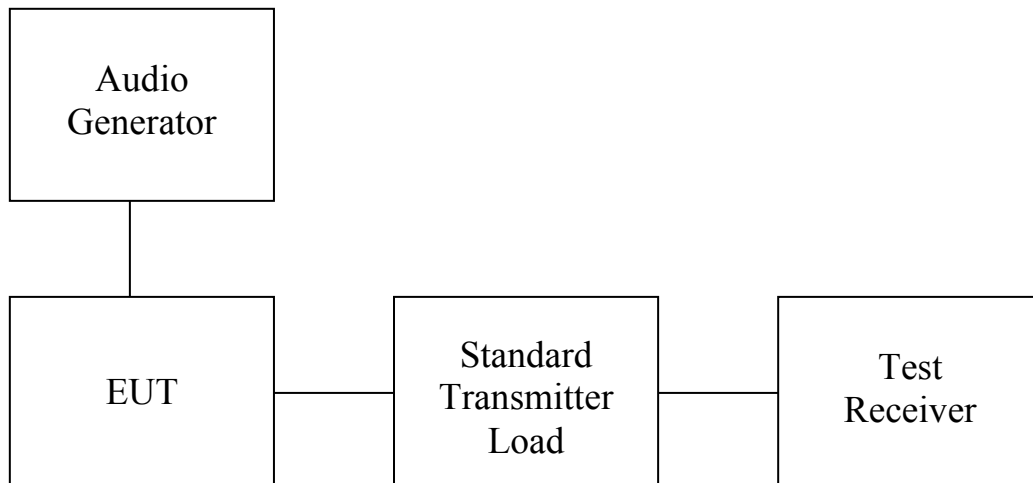
Report Number: W6R22112-21431-P-247

FCC ID: GX9FPHUB3-1

#### **4. Modulation Characteristics**

##### **4.1 Test procedure**

- A curve or equivalent data showing the frequency response of the audio modulating circuit over a range of 100 to 5000 Hz shall be submitted.  
The audio signal generator is connected to the audio input of the EUT with its full rating. The modulation response is measured at certain modulation frequencies, related to 1000Hz reference signal. Tests are performed for positive and negative modulation.
- Equipment which employs modulation Limiting: A curve or family of curves showing the percentage of modulation versus the modulation input voltage shall be supplied. The audio signal generator is connected to the audio input of the EUT with its full rating. The modulation limiting is measured at certain modulation frequencies from 100Hz to 15kHz.



##### **4.2 Test Results**

For digital modulation employed, this test item is not applicable.

Report Number: W6R22112-21431-P-247

FCC ID: GX9FPHUB3-1

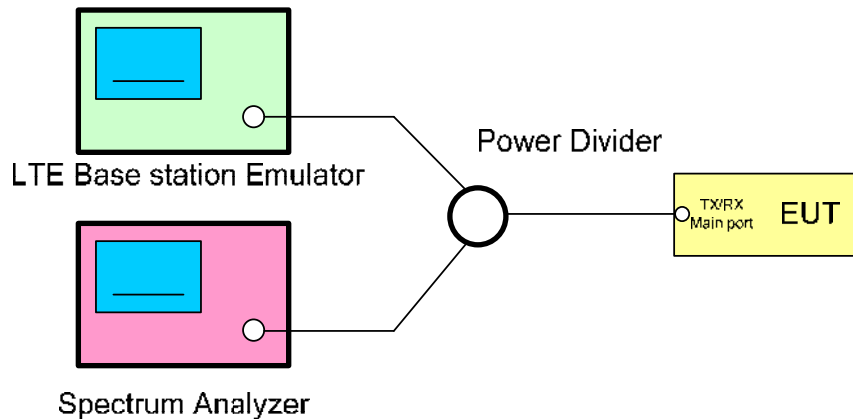
**5. Peak-to-Average Ratio**

The peak-to-average power ratio (PAPR) of the transmitter output power must not exceed 13 dB. The PAPR measurements should be made using either an instrument with complementary cumulative distribution function (CCDF) capabilities to determine that PAPR will not exceed 13 dB for more than 0.1 percent of the time or other Commission approved procedure. The measurement must be performed using a signal corresponding to the highest PAPR expected during periods of continuous transmission.

**5.1 Test procedure**

1. The EUT main port was connected to the LTE emulator and spectrum analyzer via power divider
2. For Spectrum Analyzer setting :
3. Set the CCDF function in spectrum analyzer.
4. Set  $RBW \geq$  signal's occupied bandwidth.
5. Set the number of counts to a value that stabilizes the measured CCDF curve.
6. Set the measurement interval (sweep time) to 1ms.
7. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1%
8. Record the deviation as Peak to Average Ratio.
- 9.

**5.2 Test Set up**







Report Number: W6R22112-21431-P-247

FCC ID: GX9FPHUB3-1

## 5.3 Test Results

Test date: December 13, 2021

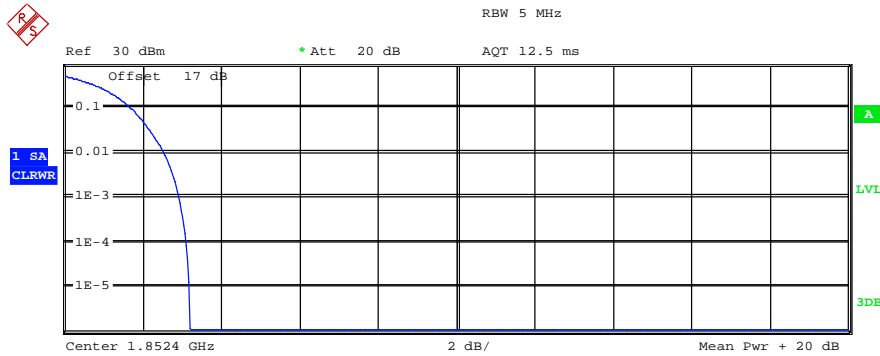
Temperature: 22.1 °C

Humidity: 58.0%

Tester: Sora

WCDMA

Band 2



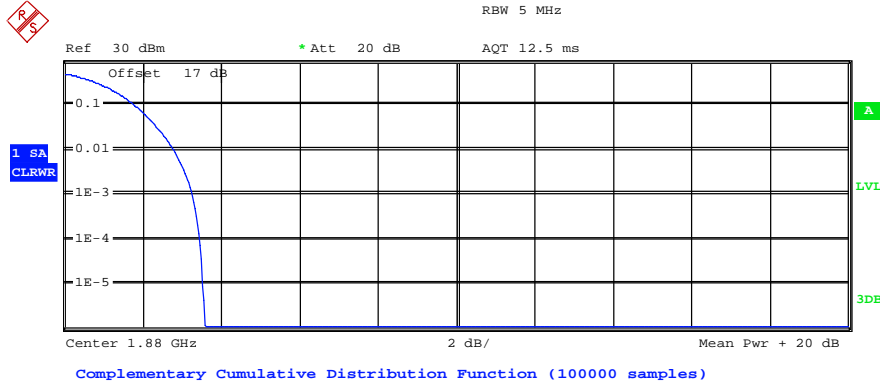
Complementary Cumulative Distribution Function (100000 samples)

Trace 1	
Mean	21.73 dBm
Peak	24.92 dBm
Crest	3.18 dB
10 %	1.67 dB
1 %	2.53 dB
.1 %	2.92 dB
.01 %	3.11 dB

Date: 13.DEC.2021 16:17:09



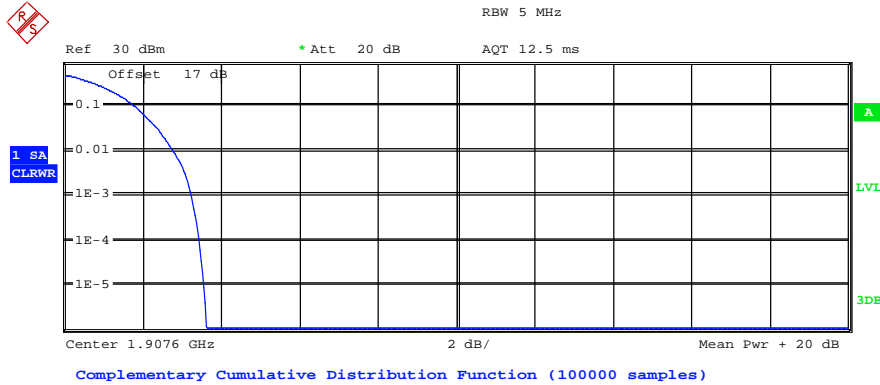
Report Number: W6R22112-21431-P-247  
FCC ID: GX9FPHUB3-1



Complementary Cumulative Distribution Function (100000 samples)

Trace 1	
Mean	22.25 dBm
Peak	25.83 dBm
Crest	3.58 dB
10 %	1.76 dB
1 %	2.79 dB
.1 %	3.24 dB
.01 %	3.43 dB

Date: 13.DEC.2021 16:18:03



Complementary Cumulative Distribution Function (100000 samples)

Trace 1	
Mean	22.15 dBm
Peak	25.76 dBm
Crest	3.61 dB
10 %	1.79 dB
1 %	2.76 dB
.1 %	3.24 dB
.01 %	3.43 dB

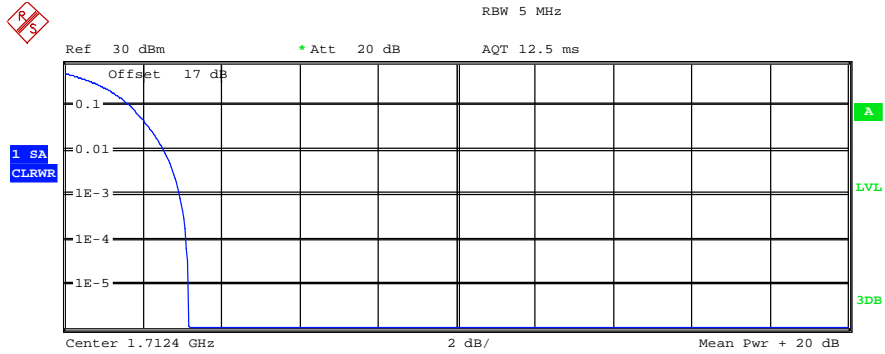
Date: 13.DEC.2021 16:18:28



Report Number: W6R22112-21431-P-247

FCC ID: GX9FPHUB3-1

Band 4

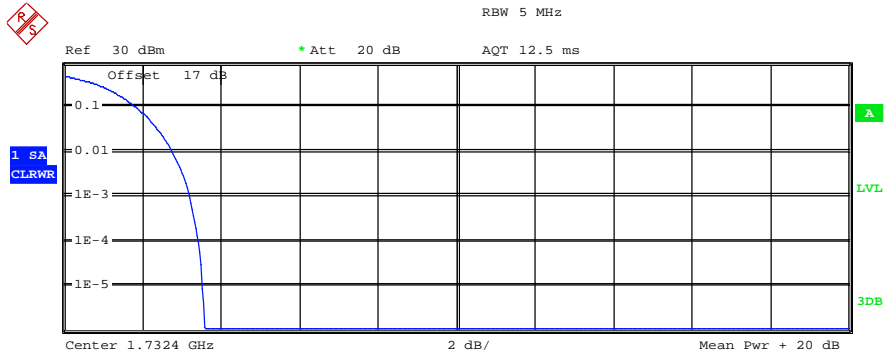


Complementary Cumulative Distribution Function (100000 samples)

Trace 1

Mean	20.76 dBm
Peak	23.93 dBm
Crest	3.17 dB
10 %	1.67 dB
1 %	2.53 dB
.1 %	2.92 dB
.01 %	3.11 dB

Date: 13.DEC.2021 16:19:43



Complementary Cumulative Distribution Function (100000 samples)

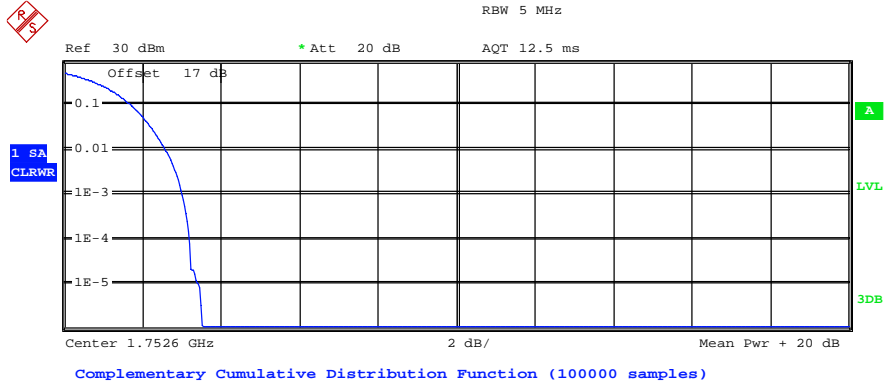
Trace 1

Mean	21.34 dBm
Peak	24.92 dBm
Crest	3.58 dB
10 %	1.83 dB
1 %	2.76 dB
.1 %	3.21 dB
.01 %	3.43 dB

Date: 13.DEC.2021 16:19:16



Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1

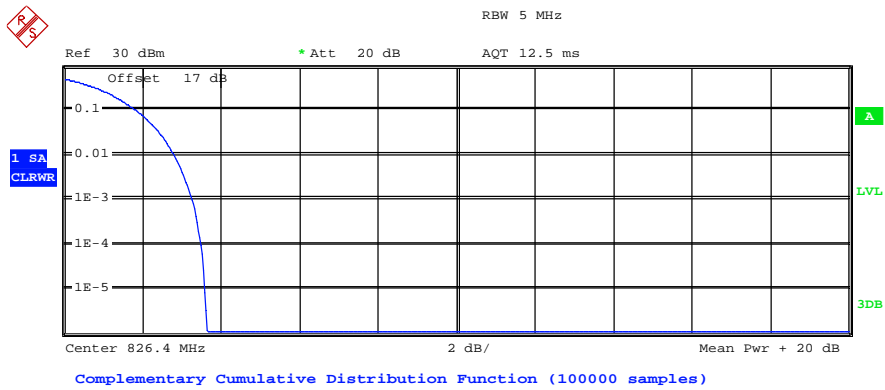


Trace 1

Mean	21.12 dBm
Peak	24.63 dBm
Crest	3.51 dB
10 %	1.70 dB
1 %	2.56 dB
.1 %	3.01 dB
.01 %	3.21 dB

Date: 13.DEC.2021 16:18:52

## Band 5



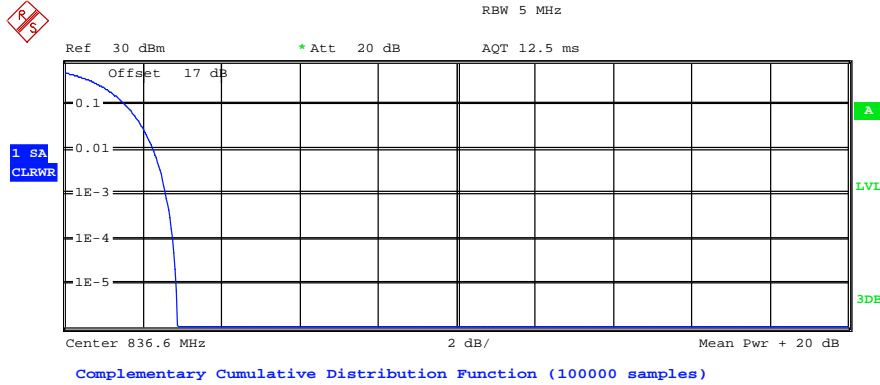
Trace 1

Mean	21.42 dBm
Peak	25.06 dBm
Crest	3.64 dB
10 %	1.83 dB
1 %	2.79 dB
.1 %	3.27 dB
.01 %	3.49 dB

Date: 13.DEC.2021 16:15:43



Report Number: W6R22112-21431-P-247  
FCC ID: GX9FPHUB3-1



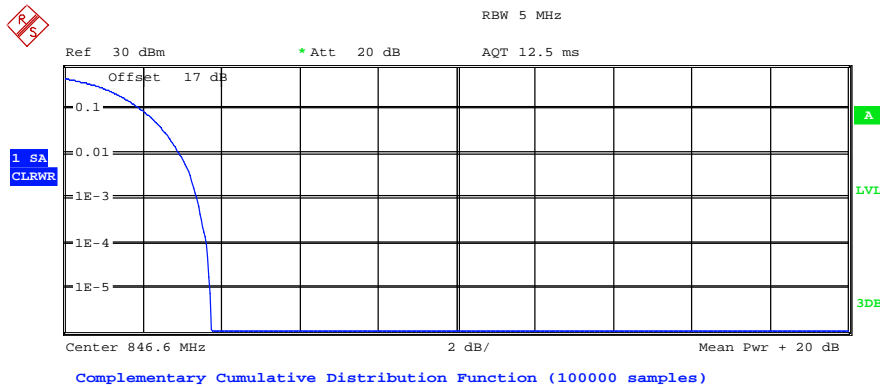
Trace 1

Mean	21.42 dBm
Peak	24.28 dBm
Crest	2.86 dB

10 %	1.54 dB
1 %	2.24 dB
.1 %	2.56 dB
.01 %	2.76 dB

Date: 13.DEC.2021 16:16:02



Trace 1

Mean	21.25 dBm
Peak	24.99 dBm
Crest	3.74 dB

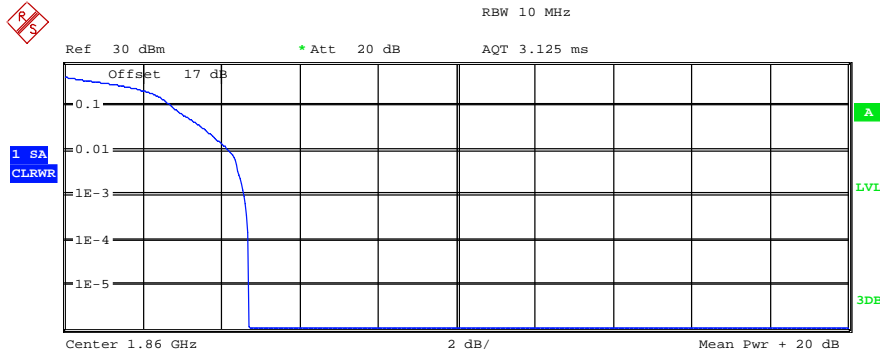
  

10 %	1.96 dB
1 %	2.92 dB
.1 %	3.37 dB
.01 %	3.62 dB

Date: 13.DEC.2021 16:16:21



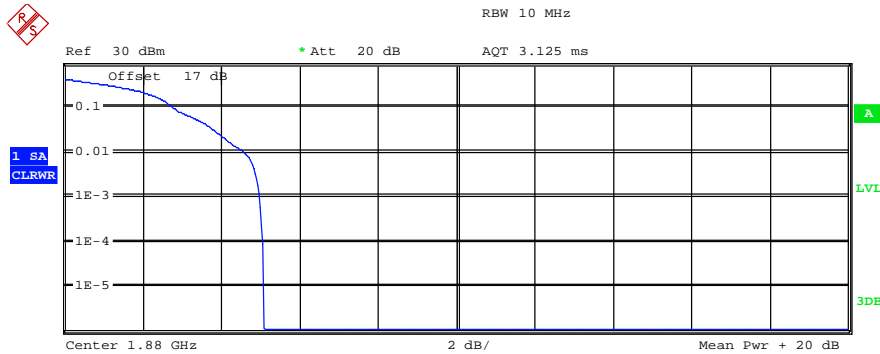
Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 LTE  
 Band 2  
 16QAM



Complementary Cumulative Distribution Function (100000 samples)

Trace 1	
Mean	21.21 dBm
Peak	25.90 dBm
Crest	4.70 dB
10 %	2.72 dB
1 %	4.20 dB
.1 %	4.58 dB
.01 %	4.68 dB

Date: 13.DEC.2021 16:35:12



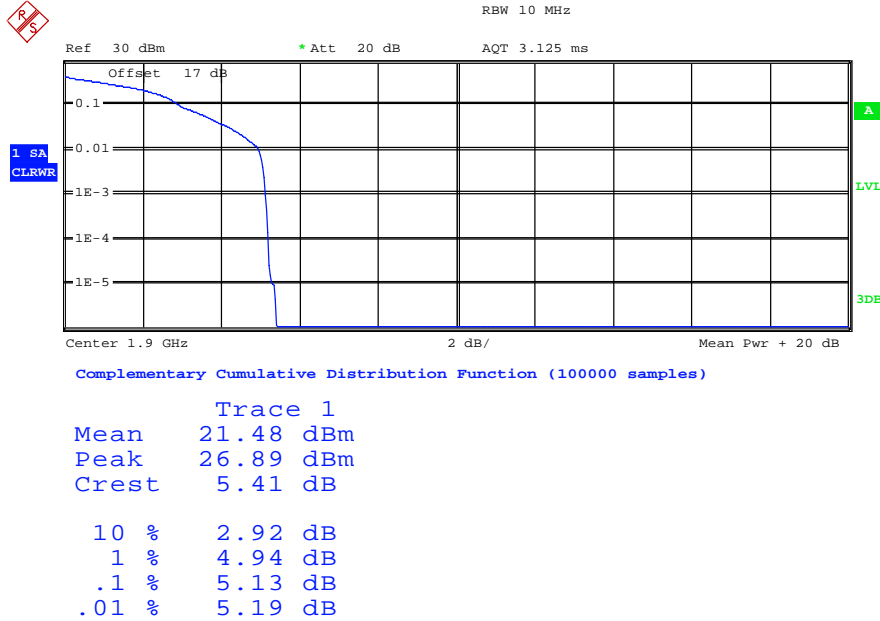
Complementary Cumulative Distribution Function (100000 samples)

Trace 1	
Mean	22.03 dBm
Peak	27.10 dBm
Crest	5.08 dB
10 %	2.76 dB
1 %	4.58 dB
.1 %	4.97 dB
.01 %	5.06 dB

Date: 13.DEC.2021 16:34:26

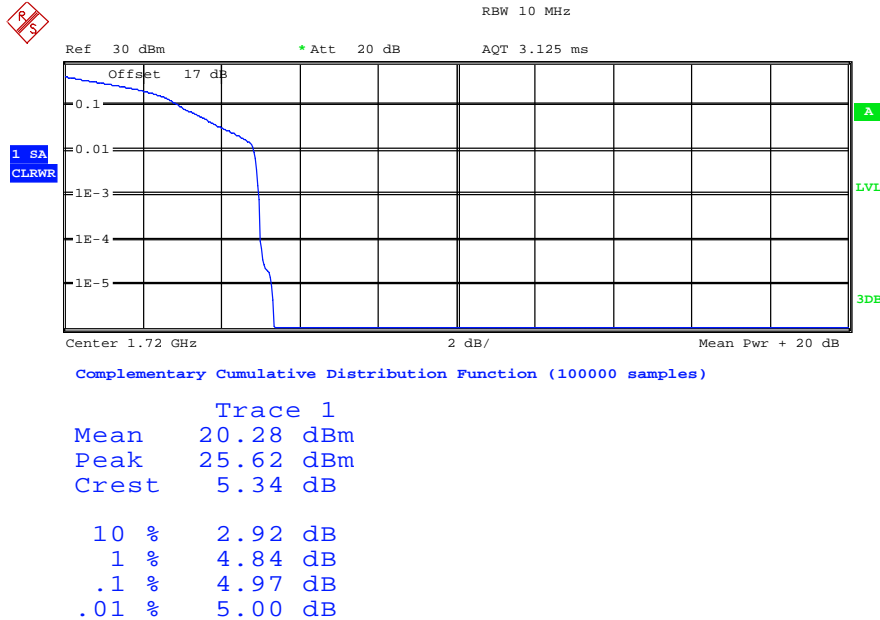


Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1



Date: 13.DEC.2021 16:35:36

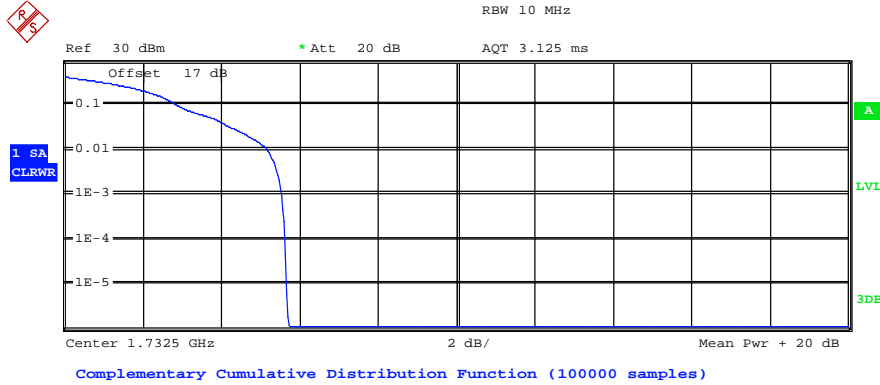
Band 4  
 16QAM



Date: 13.DEC.2021 16:37:01



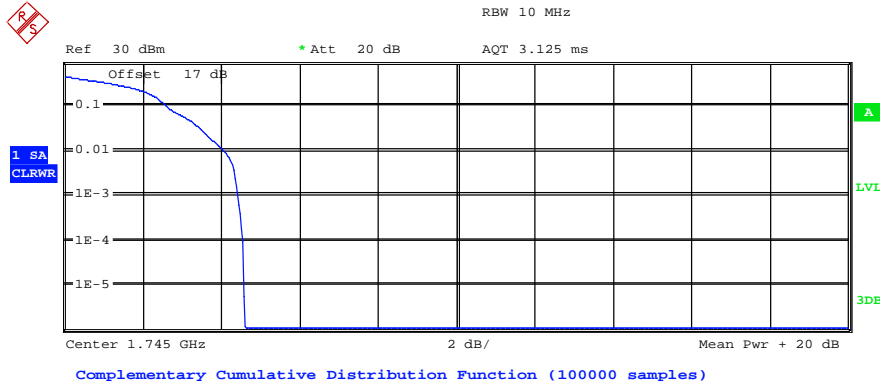
Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1



Trace 1

Mean	20.34 dBm
Peak	26.04 dBm
Crest	5.71 dB
10 %	2.88 dB
1 %	5.16 dB
.1 %	5.54 dB
.01 %	5.64 dB

Date: 13.DEC.2021 16:36:26



Trace 1

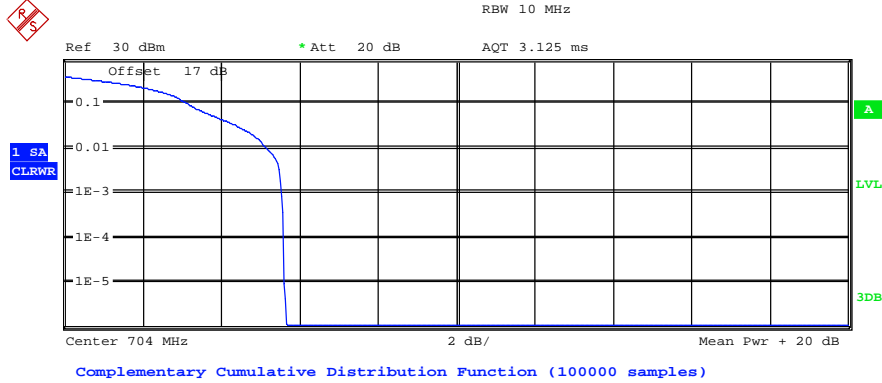
Mean	20.97 dBm
Peak	25.55 dBm
Crest	4.58 dB
10 %	2.60 dB
1 %	4.07 dB
.1 %	4.42 dB
.01 %	4.55 dB

Date: 13.DEC.2021 16:37:22



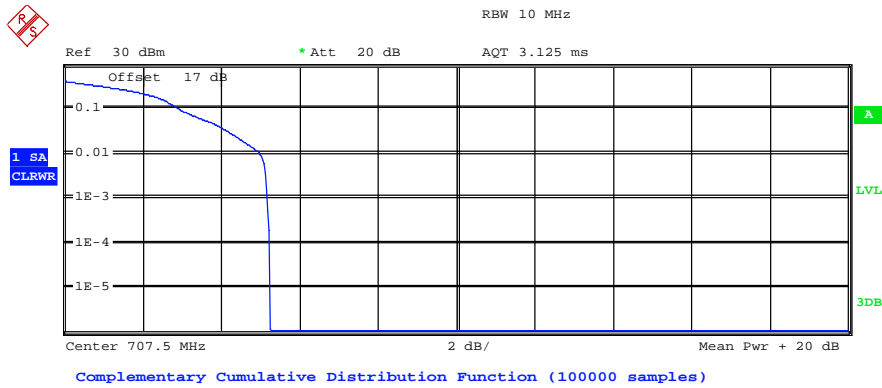


Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 Band 12  
 16QAM



Trace 1	
Mean	22.01 dBm
Peak	27.67 dBm
Crest	5.66 dB
10 %	3.14 dB
1 %	5.13 dB
.1 %	5.54 dB
.01 %	5.61 dB

Date: 13.DEC.2021 16:40:02

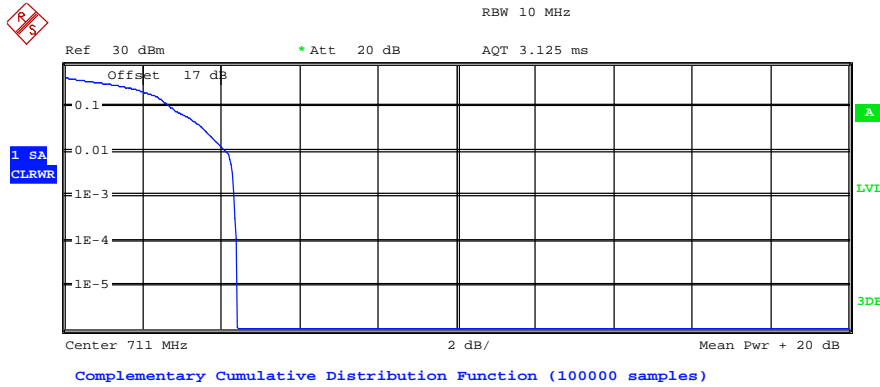


Trace 1	
Mean	22.01 dBm
Peak	27.24 dBm
Crest	5.23 dB
10 %	2.92 dB
1 %	4.97 dB
.1 %	5.16 dB
.01 %	5.22 dB

Date: 13.DEC.2021 16:39:26



Report Number: W6R22112-21431-P-247  
FCC ID: GX9FPHUB3-1



Trace 1

Mean	21.22 dBm
Peak	25.62 dBm
Crest	4.40 dB
10 %	2.69 dB
1 %	4.10 dB
.1 %	4.33 dB
.01 %	4.39 dB

Date: 13.DEC.2021 16:40:31

Limit according to FCC §24.232 and §27.50, The peak-to-average ratio(PAR) of the transmission may not exceed 13dB.

Test equipment: ETSTW-RE 055, ETSTW-GSM 004, ETSTW-GSM 023

Report Number: W6R22112-21431-P-247

FCC ID: GX9FPHUB3-1

**6. Occupied Bandwidth**

The occupied bandwidth (OBW) is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to a specified percentage 0.5% of the total mean transmitted power.

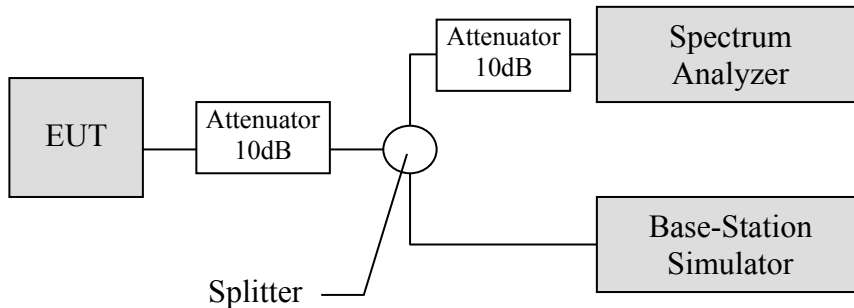
The 26 dB occupied bandwidth is the width of a frequency band such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal 26 dB.

The 26 dB emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

**6.1 Test procedure**

The RF output of the transceiver was connected as the following figure.

Occupied Bandwidth was measured with a occupied bandwidth function of the analyzer at 99% power was occupied. Then set the spectrum analyzer to cover the upper and lower band edges to measure emission mask.





Report Number: W6R22112-21431-P-247

FCC ID: GX9FPHUB3-1

## 6.2 Test Results

Test date: December 13, 2021

Temperature: 22.1 °C

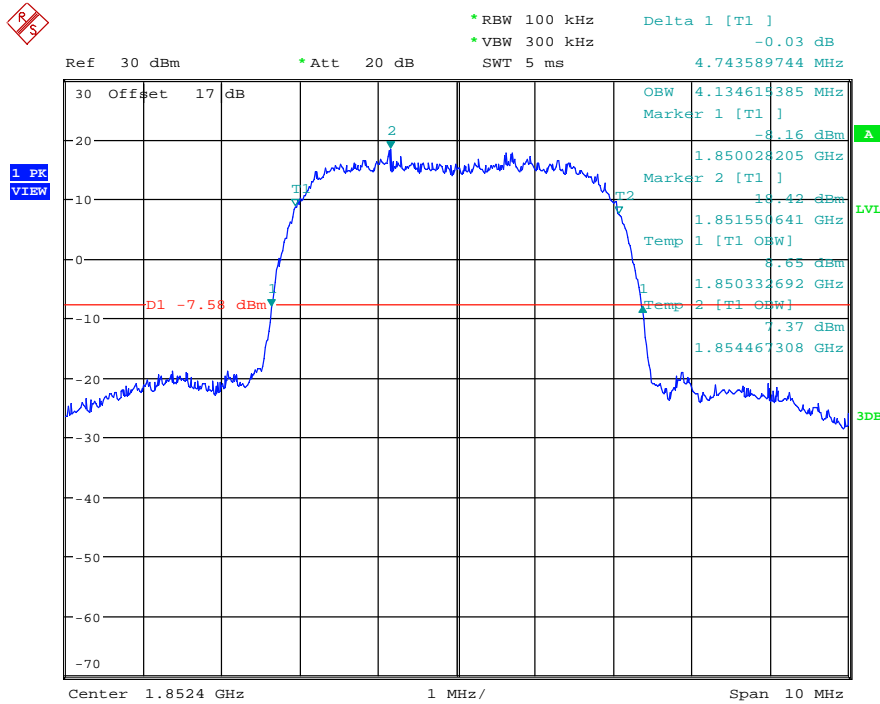
Humidity: 58.0%

Tester: Sora

### Occupied Channel Bandwidth

WCDMA

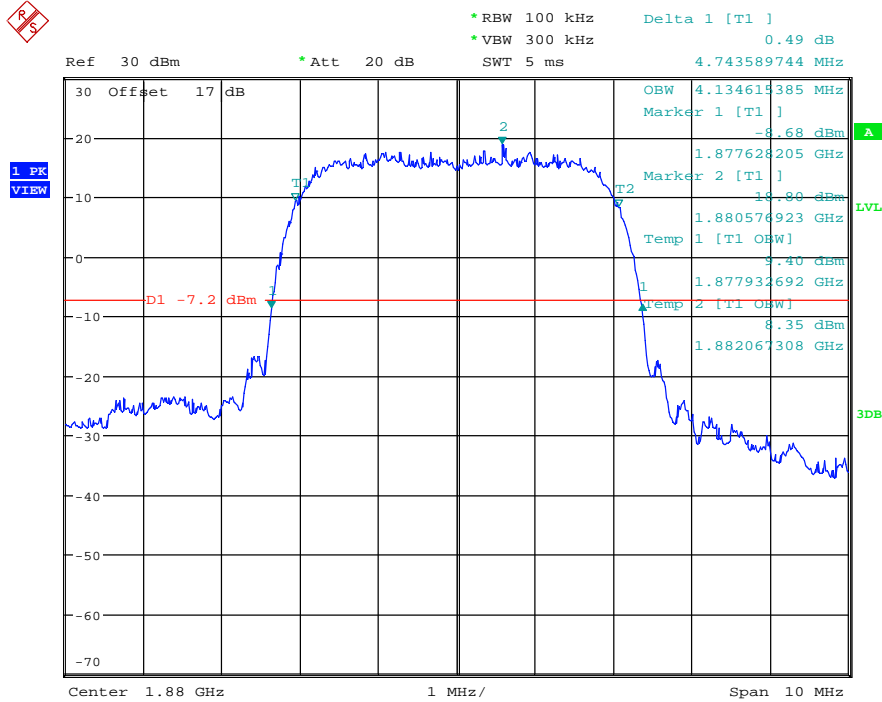
Band 2



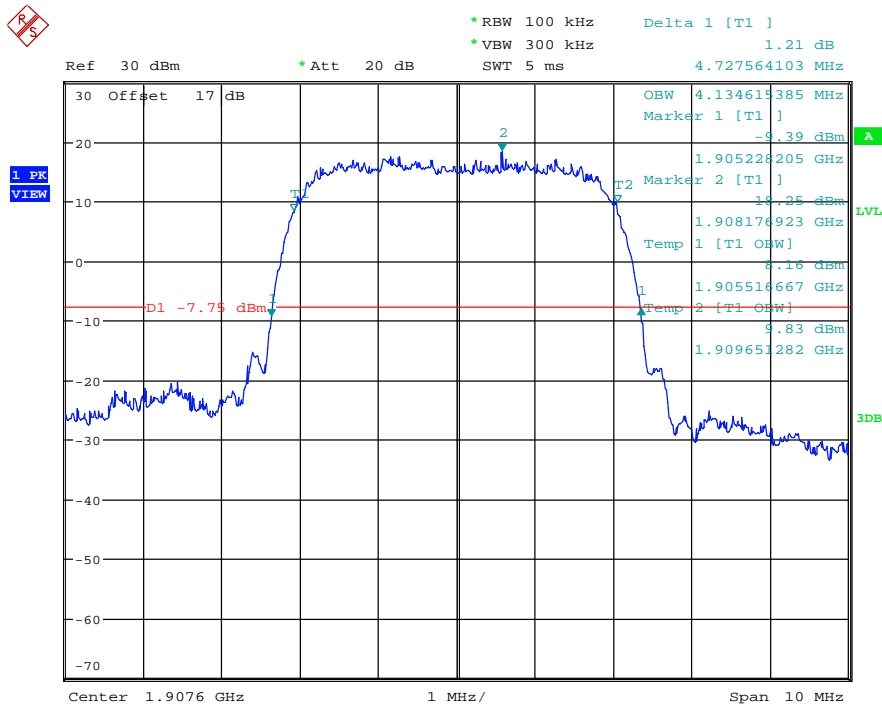
Date: 13.DEC.2021 15:56:34



Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1



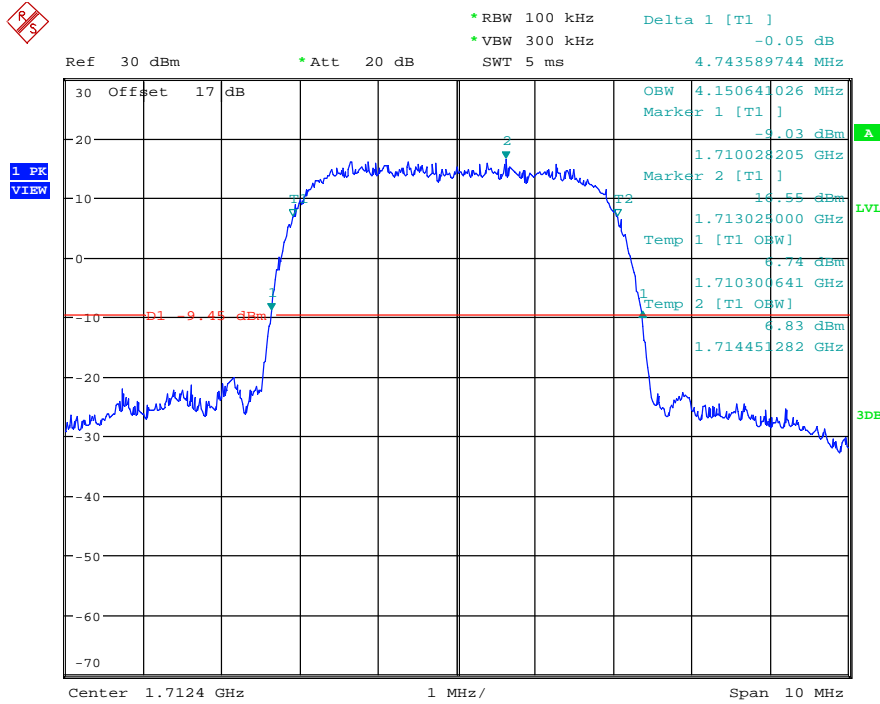
Date: 13.DEC.2021 15:55:35



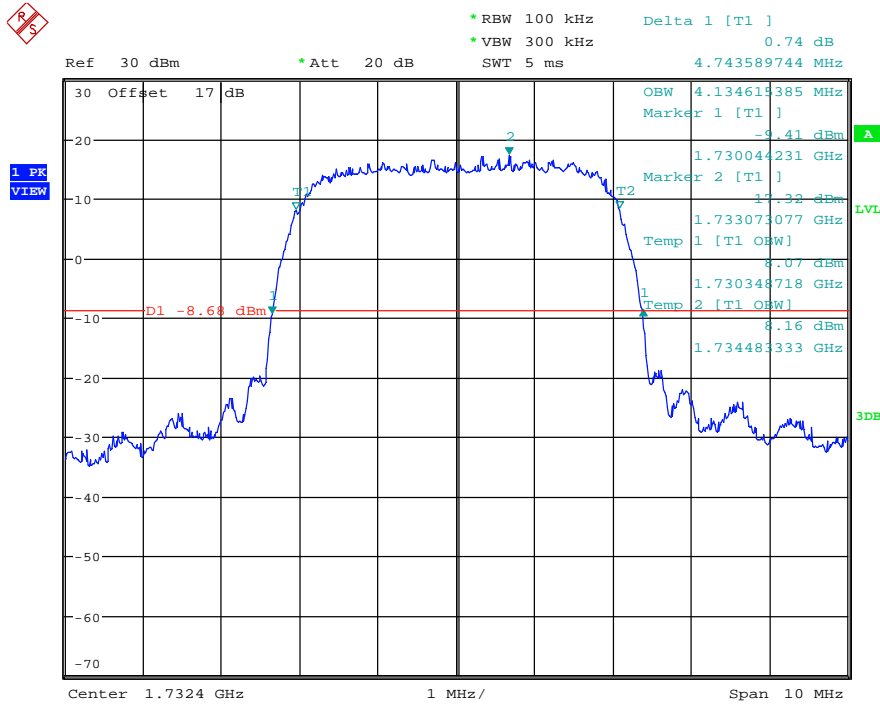
Date: 13.DEC.2021 15:54:22



Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 Band 4



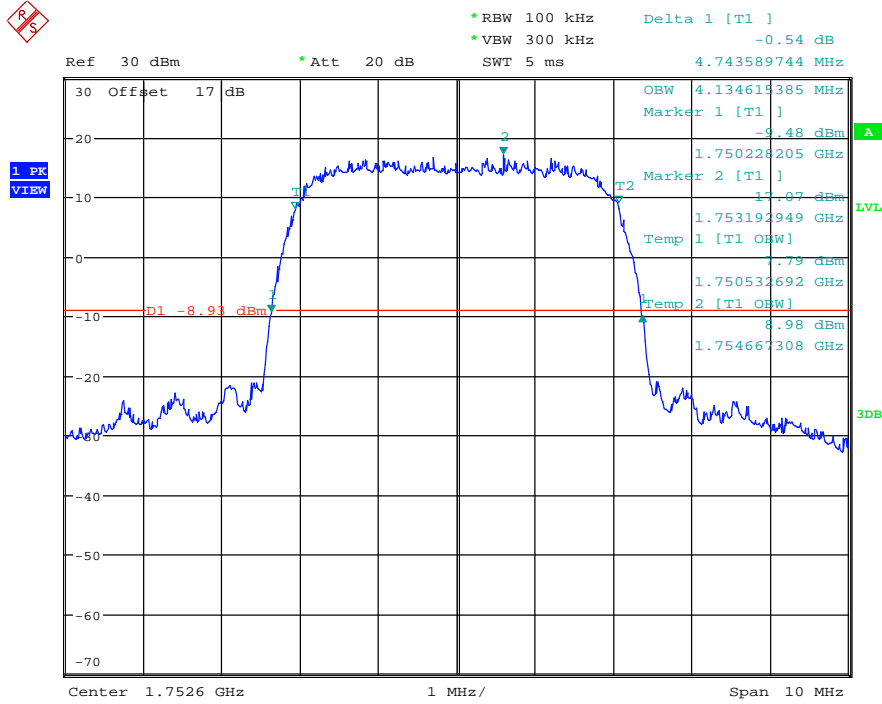
Date: 13.DEC.2021 15:57:37



Date: 13.DEC.2021 15:58:42

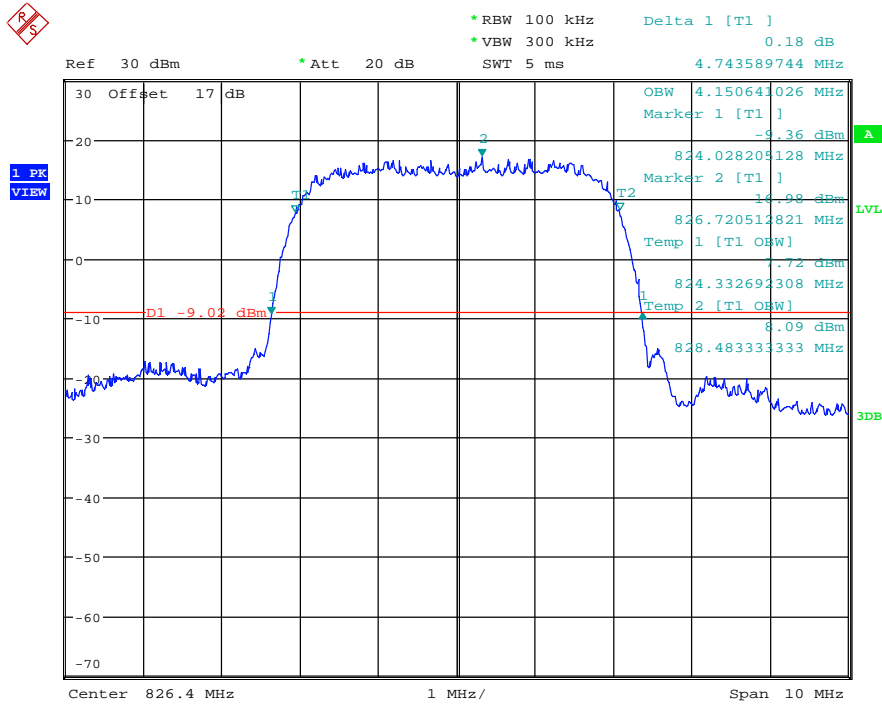


Report Number: W6R22112-21431-P-247  
FCC ID: GX9FPHUB3-1



Date: 13.DEC.2021 15:59:38

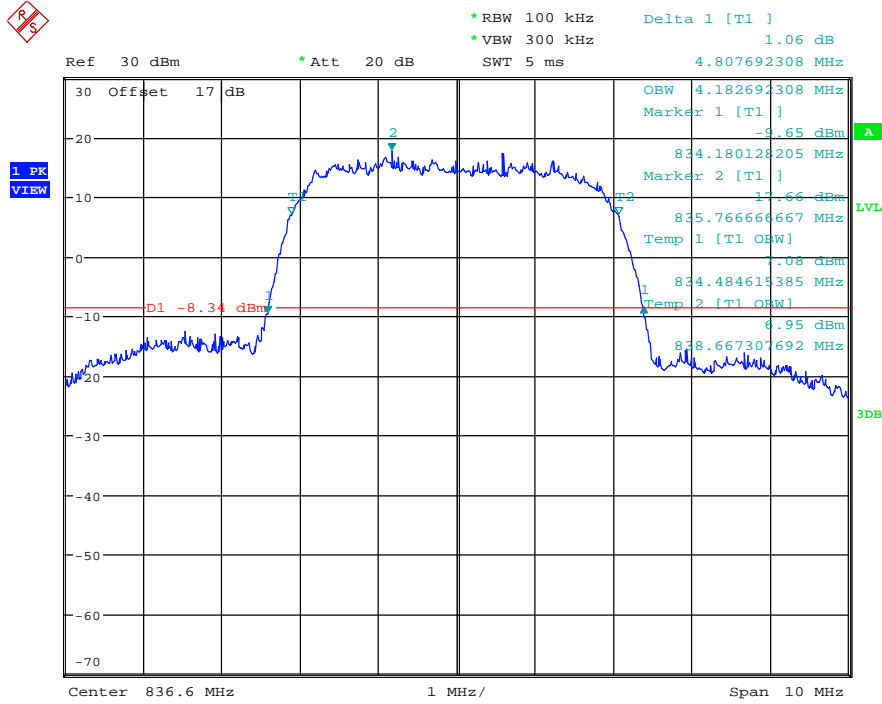
## Band 5



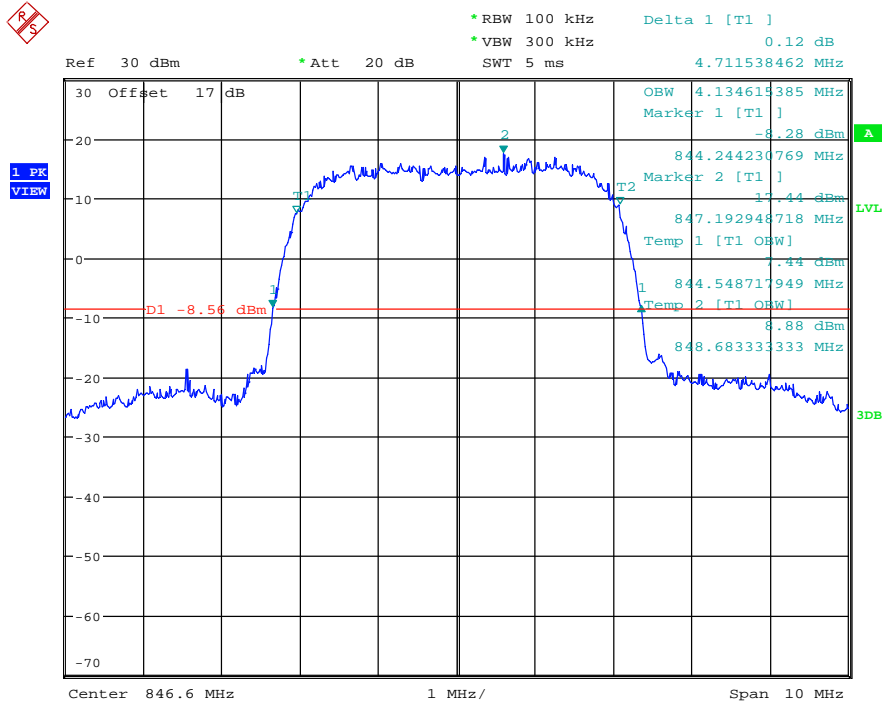
Date: 13.DEC.2021 16:01:06



Report Number: W6R22112-21431-P-247  
FCC ID: GX9FPHUB3-1



Date: 13.DEC.2021 16:03:44

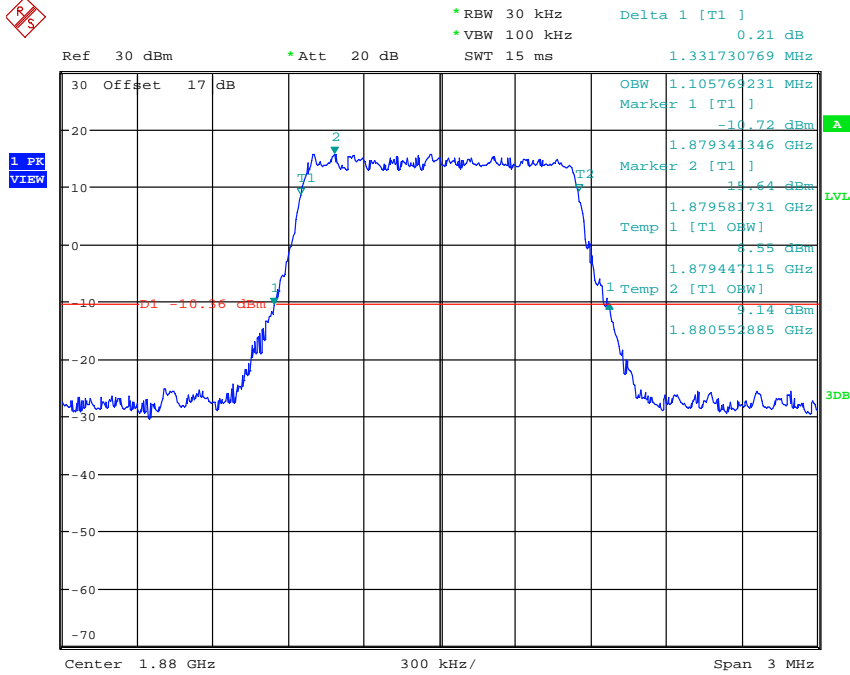


Date: 13.DEC.2021 16:02:12



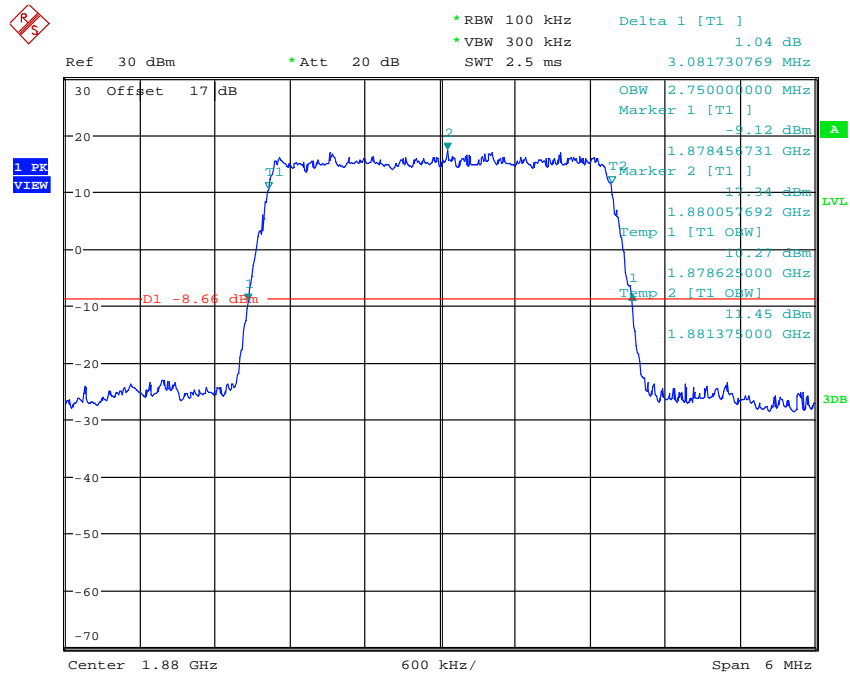


Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
**26dB Channel Bandwidth**  
 LTE  
 Band 2  
 1.4 MHz QPSK



Date: 13.DEC.2021 15:33:40

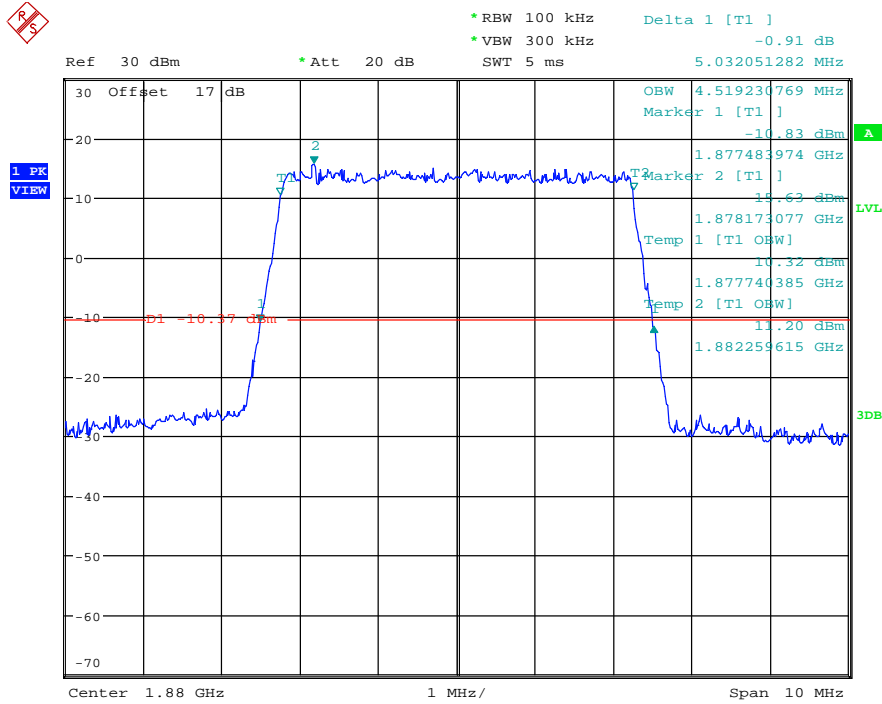
3 MHz QPSK



Date: 13.DEC.2021 15:34:55

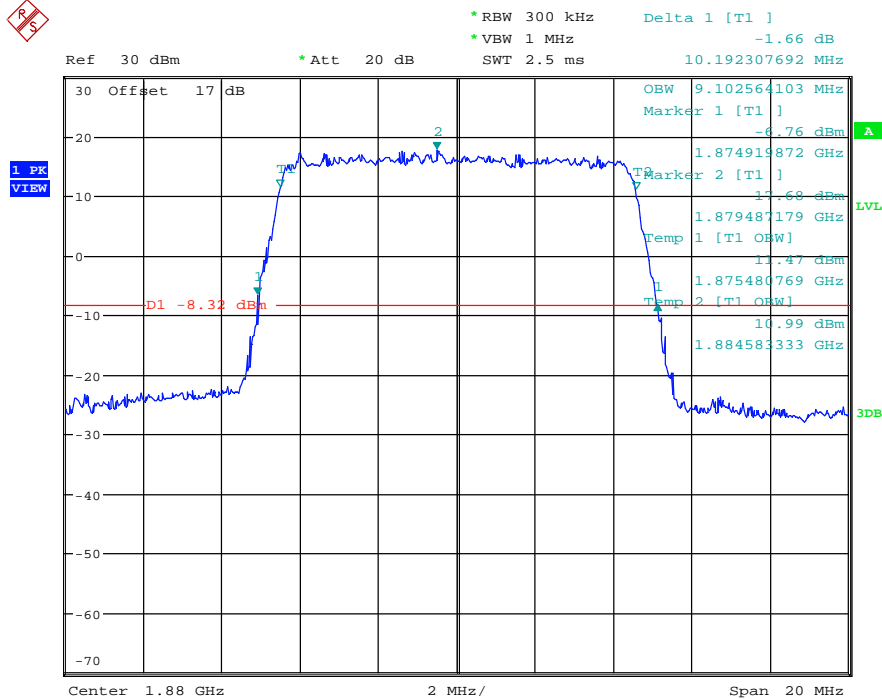


Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 5 MHz QPSK



Date: 13.DEC.2021 15:38:31

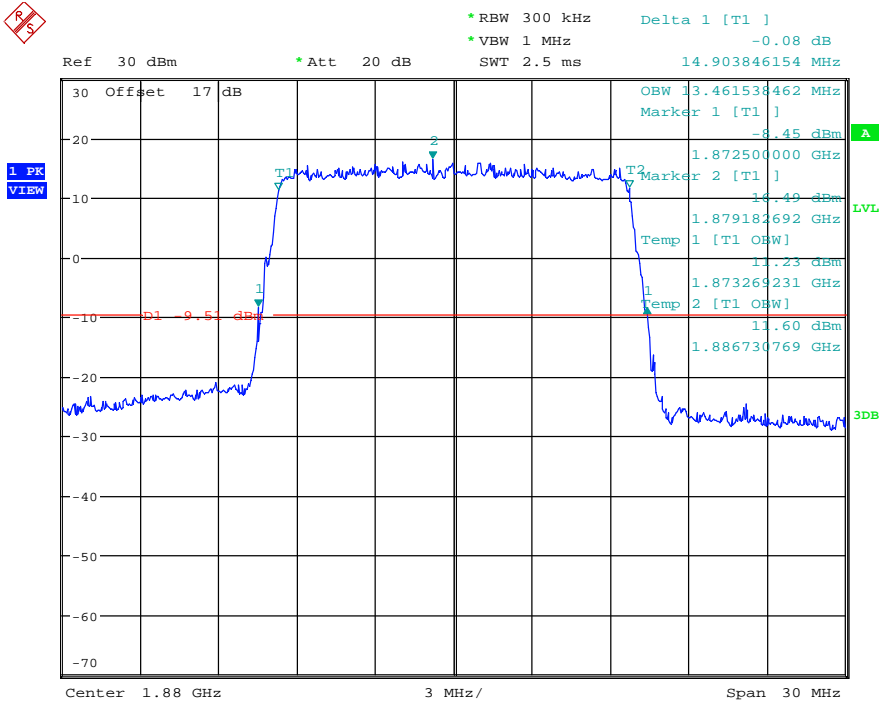
10 MHz QPSK



Date: 13.DEC.2021 15:39:45

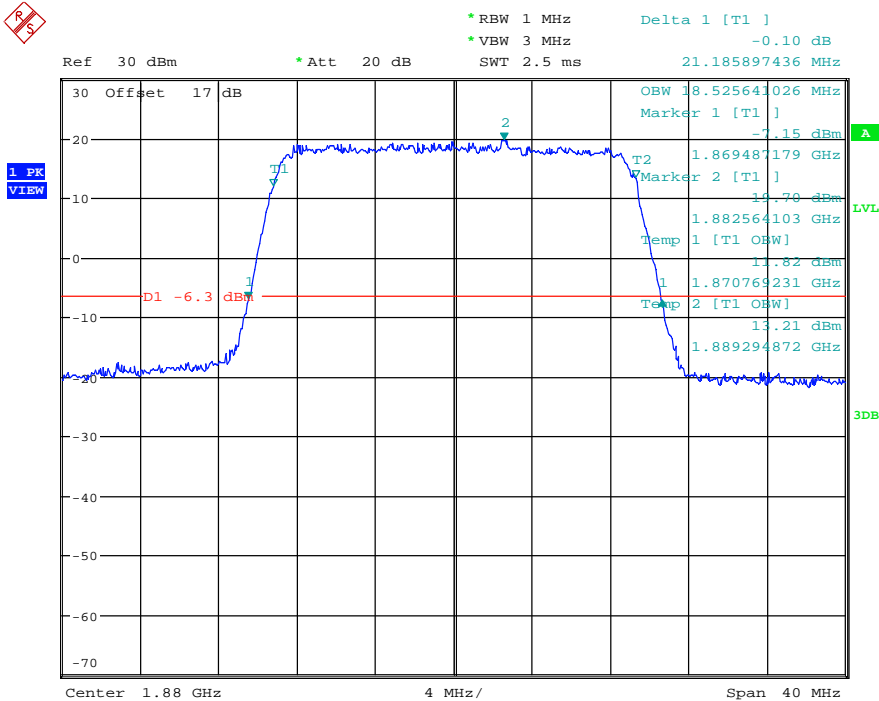


Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 15 MHz QPSK



Date: 13.DEC.2021 15:43:51

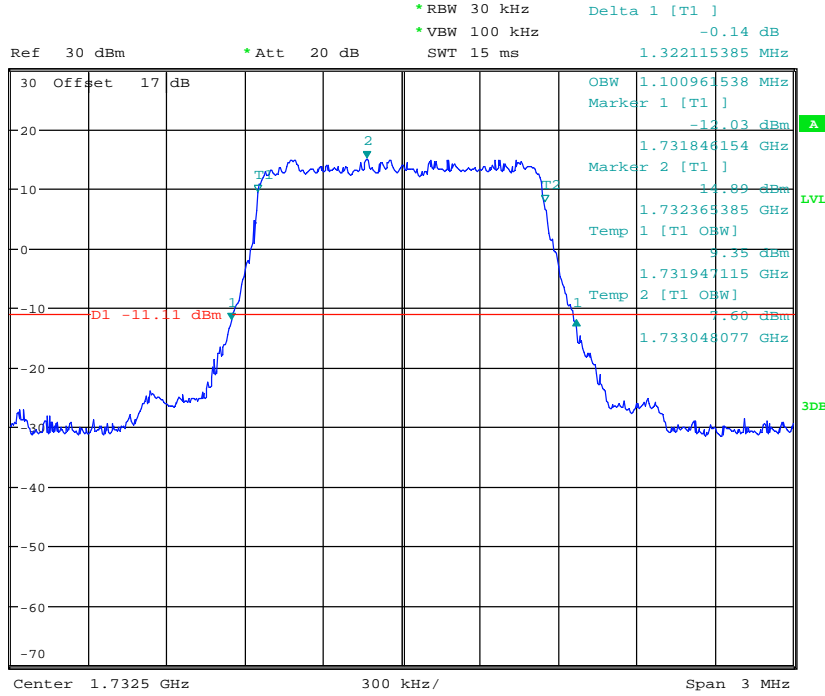
20 MHz QPSK



Date: 13.DEC.2021 15:45:00

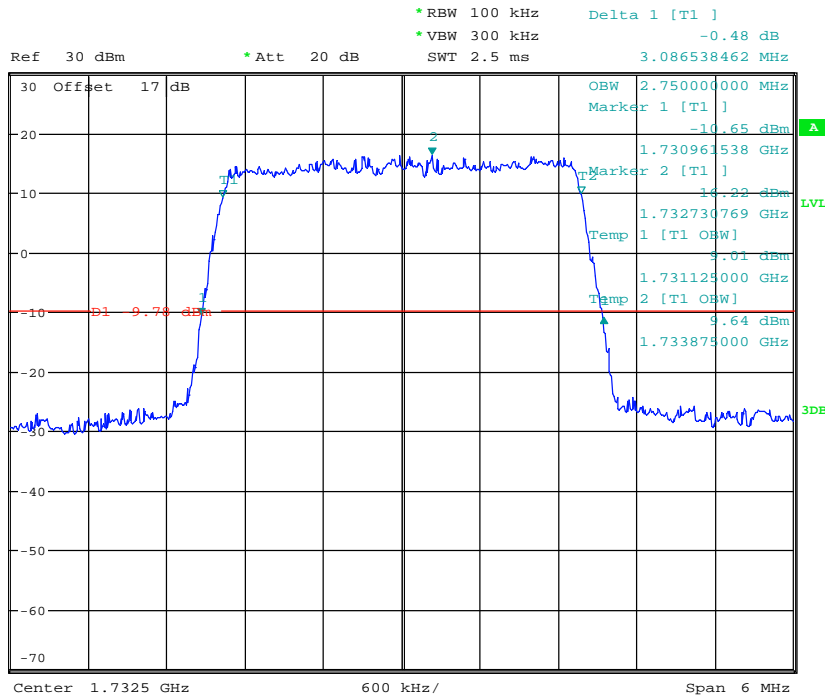


Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 Band 4  
 1.4 MHz QPSK



Date: 13.DEC.2021 15:32:15

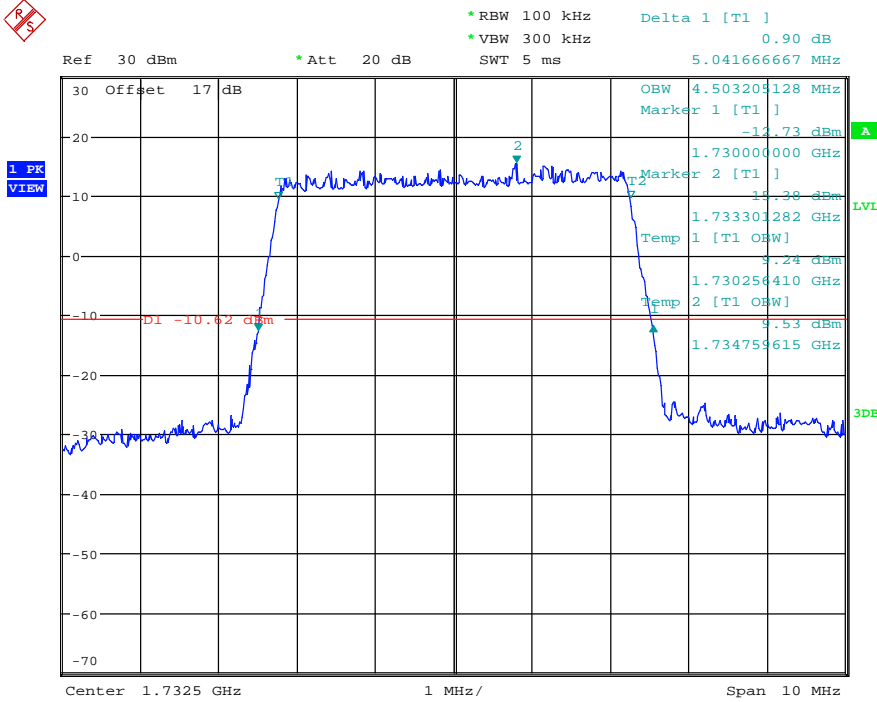
3 MHz QPSK



Date: 13.DEC.2021 15:36:05

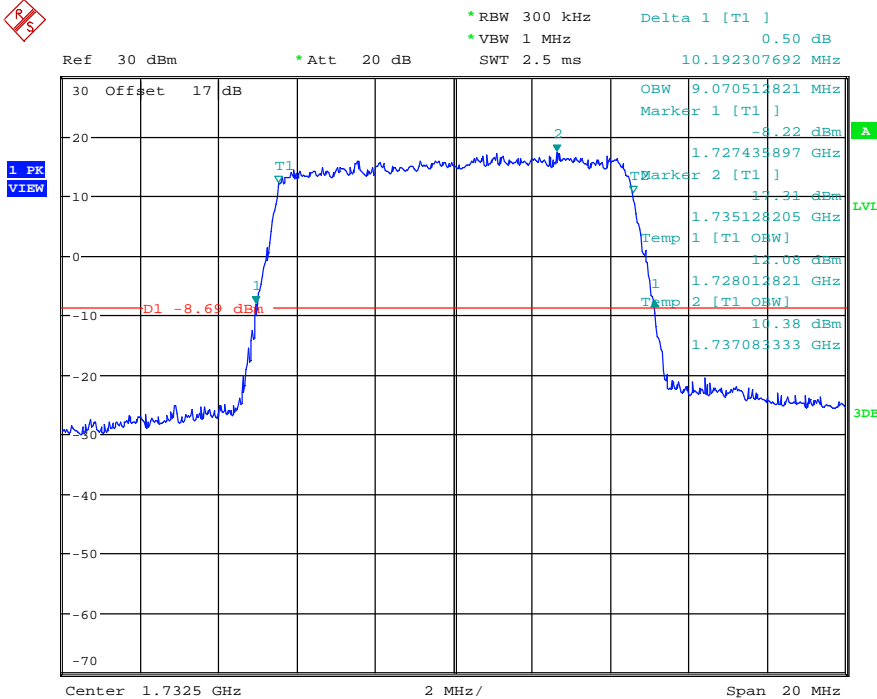


Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 5 MHz QPSK



Date: 13.DEC.2021 15:37:23

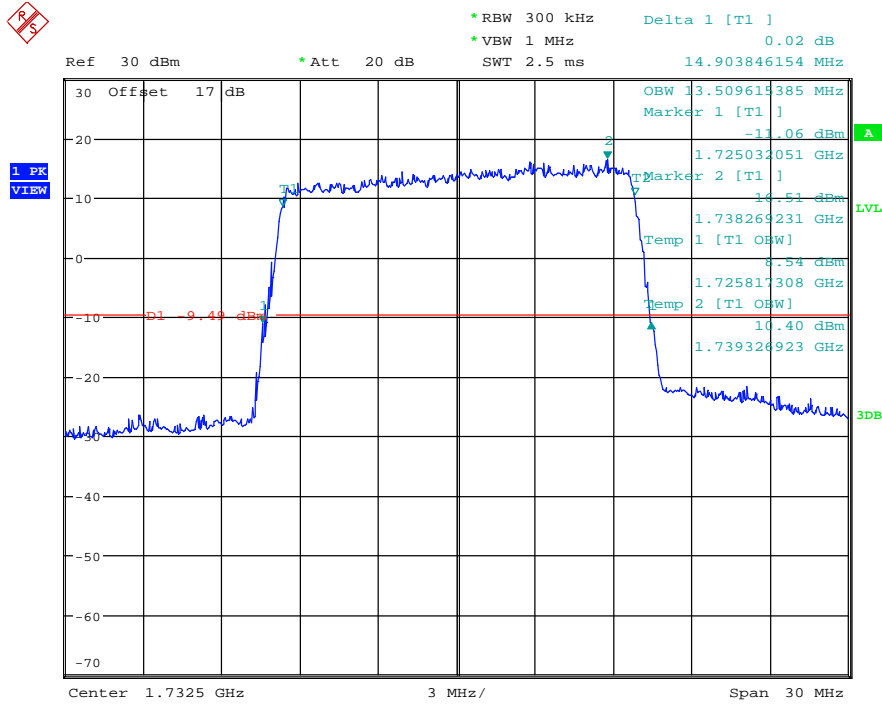
10 MHz QPSK



Date: 13.DEC.2021 15:40:53

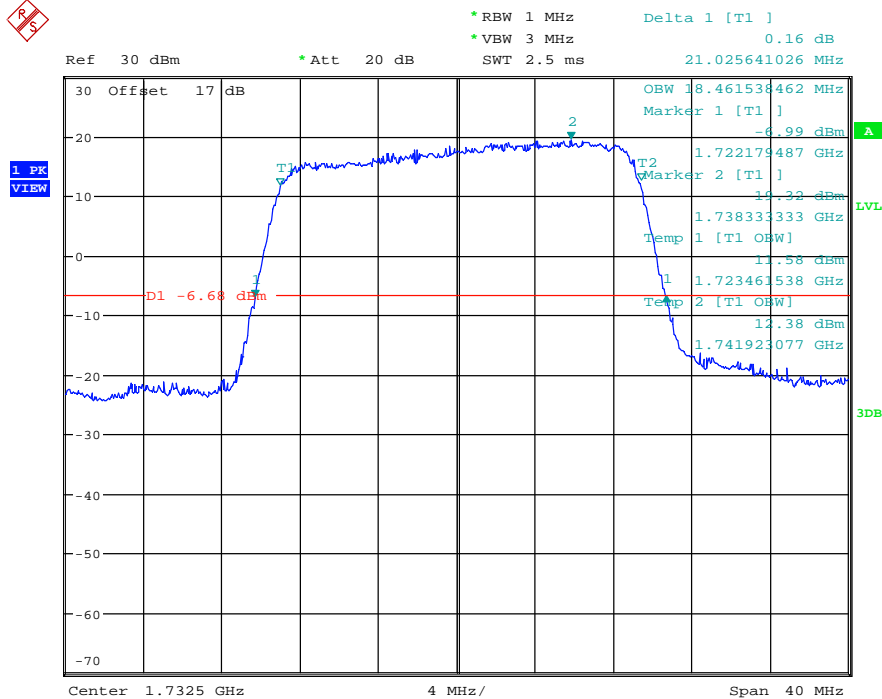


Report Number: W6R22112-21431-P-247  
FCC ID: GX9FPHUB3-1  
15 MHz QPSK



Date: 13.DEC.2021 15:42:11

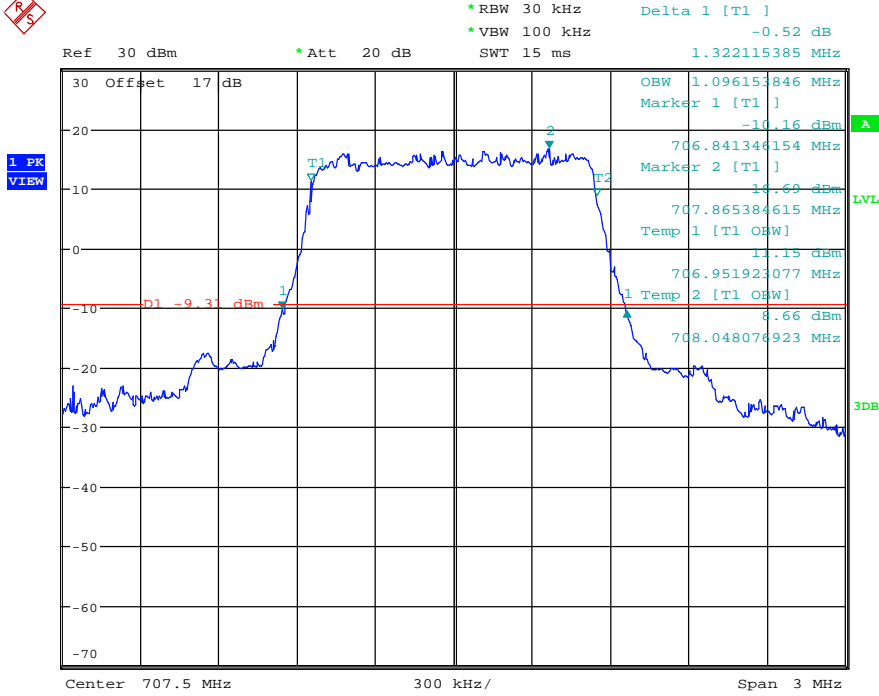
20 MHz QPSK



Date: 13.DEC.2021 15:46:12

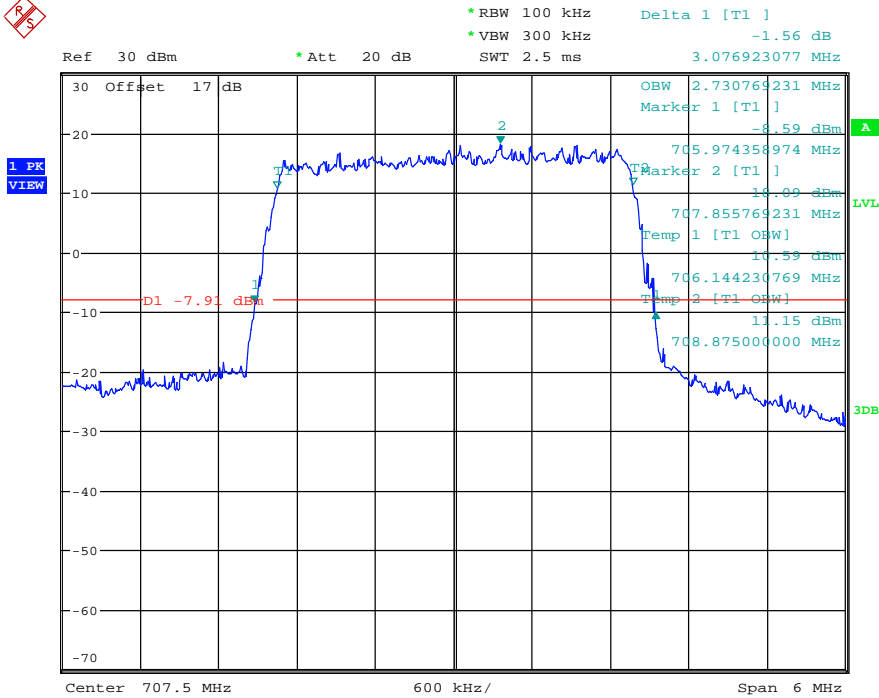


Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 Band 12  
 1.4 MHz QPSK



Date: 13.DEC.2021 15:30:47

3 MHz QPSK



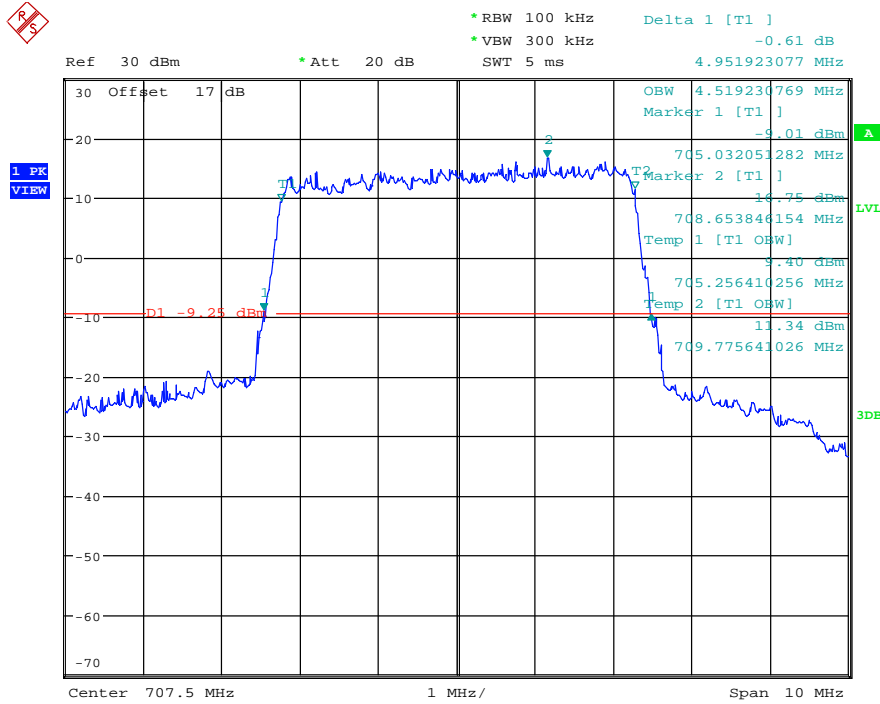
Date: 13.DEC.2021 15:29:19



Report Number: W6R22112-21431-P-247

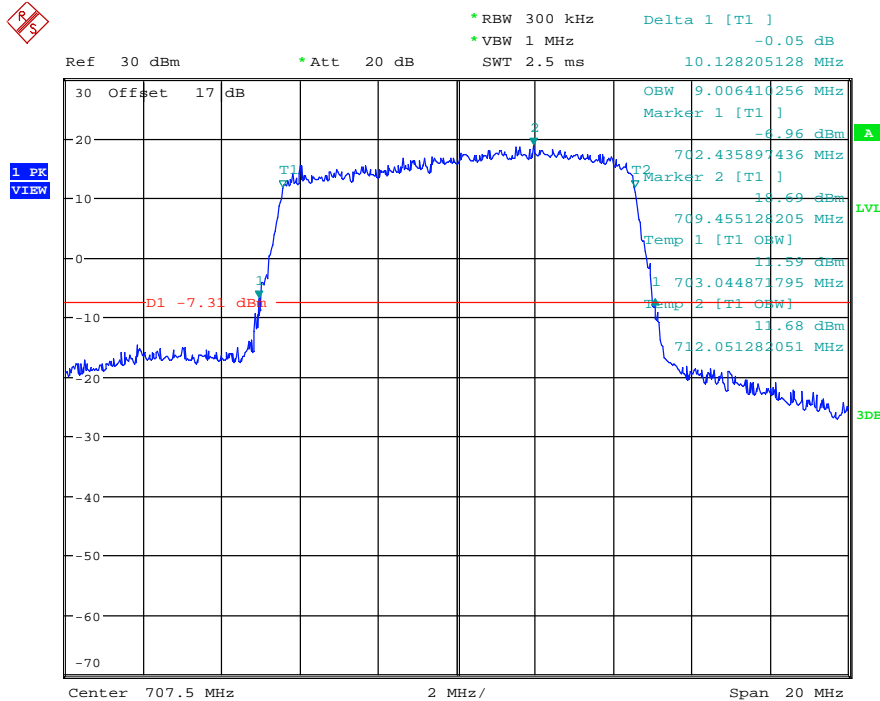
FCC ID: GX9FPHUB3-1

5 MHz QPSK



Date: 13.DEC.2021 15:27:55

10 MHz QPSK



Date: 13.DEC.2021 15:25:37

Test equipment: ETSTW-RE 055, ETSTW-GSM 004, ETSTW-GSM 023



Report Number: W6R22112-21431-P-247

FCC ID: GX9FPHUB3-1

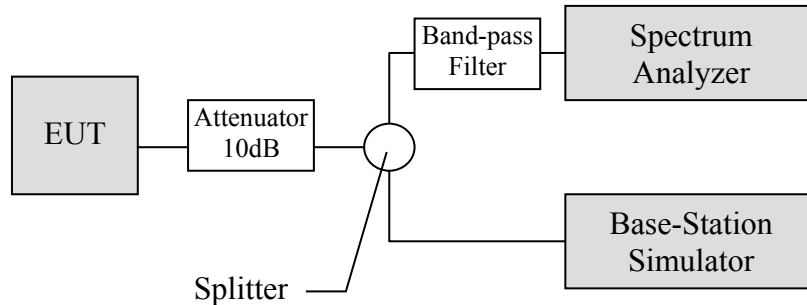
## 7. Spurious Emissions at Antenna Terminals

### 7.1 Test procedure

This transmitter output was connected to a calibrated coaxial attenuator, the other end of which was connected to a spectrum analyzer via a three-port splitter. Please refer to the following figure. Transmitter output was derived with the spectrum analyzer in dBm.

The Spurious Emissions at Antenna Terminals was measured by the spectrum analyzer with a suitable notch filter and/or Band-pass filter.

Tests were performed with an unmodulated carrier at three frequencies (low, middle and high channels ) and on all power levels , which can be set-up on the transmitters.



### 7.2 Test Results

Test date: December 13, 2021

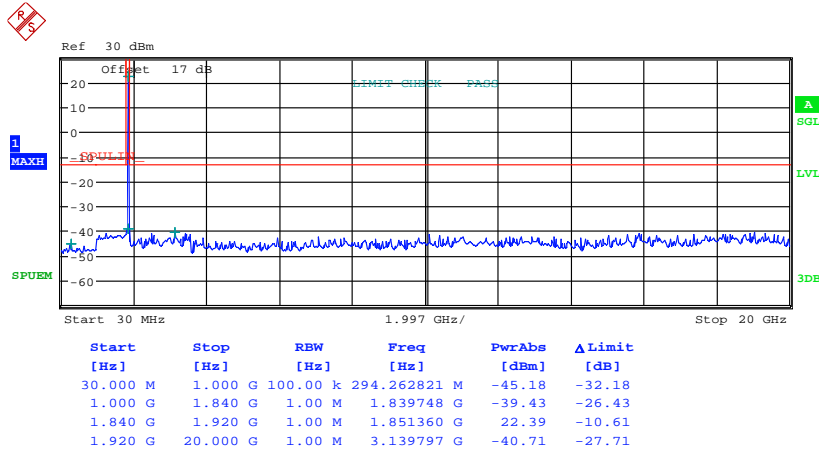
Temperature: 22.1 °C

Humidity: 58.0%

Tester: Sora

WCDMA

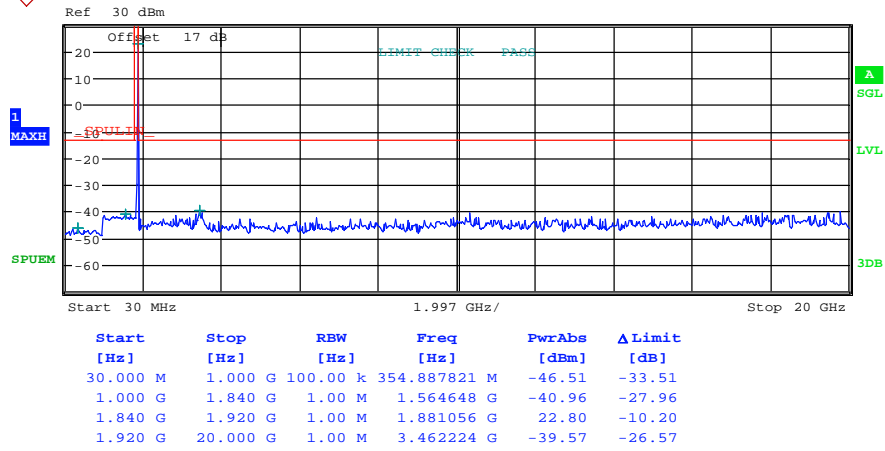
Band 2



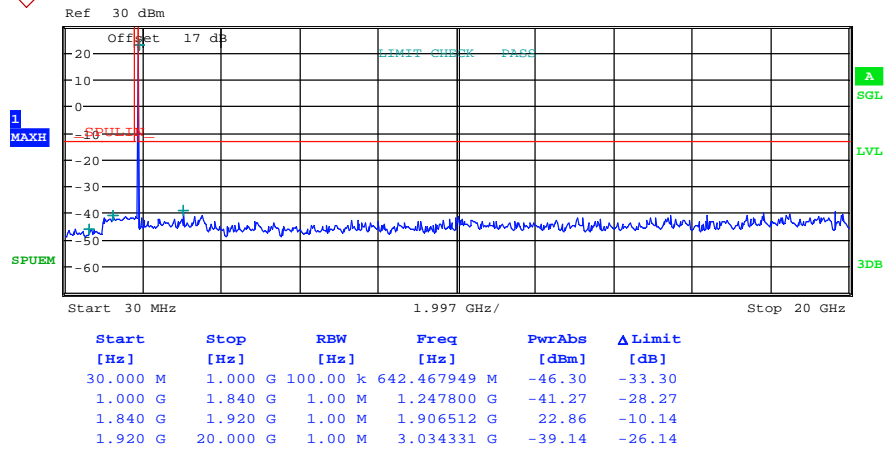
Date: 13.DEC.2021 17:42:44



Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1



Date: 13.DEC.2021 17:43:11

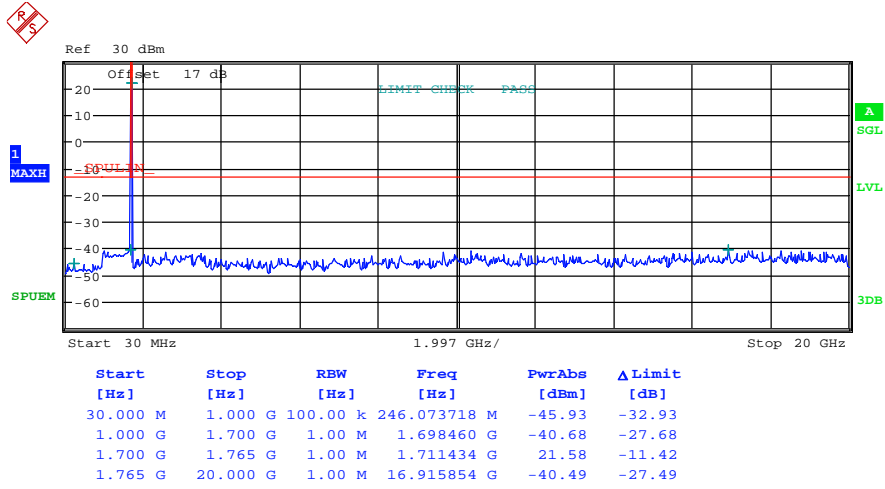


Date: 13.DEC.2021 17:43:36

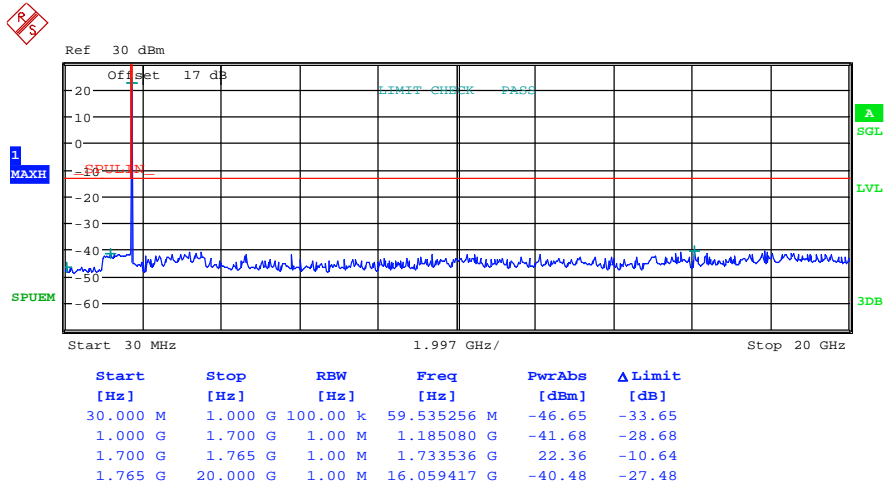


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 Band 4



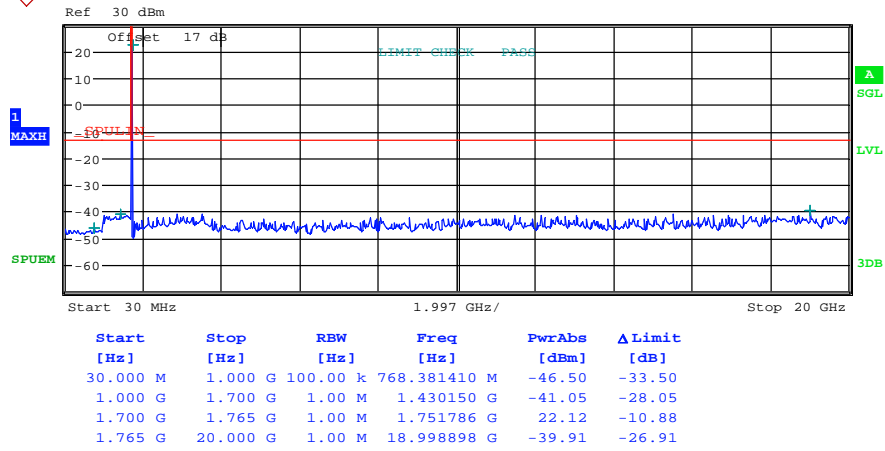
Date: 13.DEC.2021 17:40:14



Date: 13.DEC.2021 17:40:40

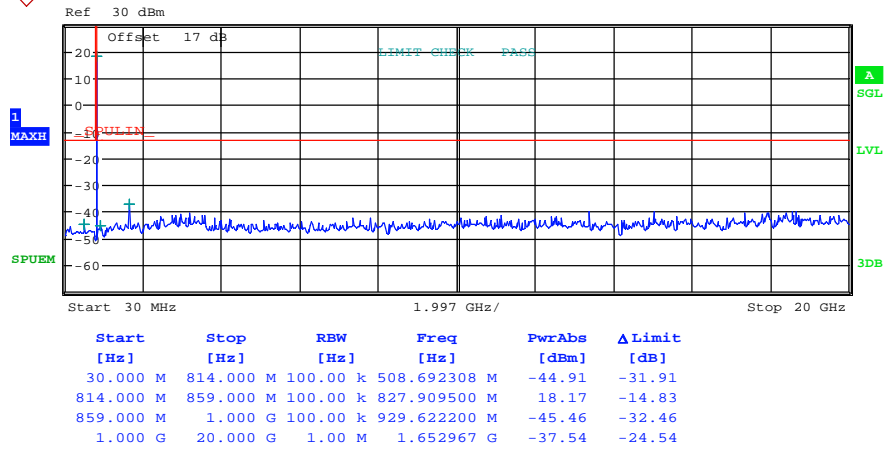


Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1



Date: 13.DEC.2021 17:41:07

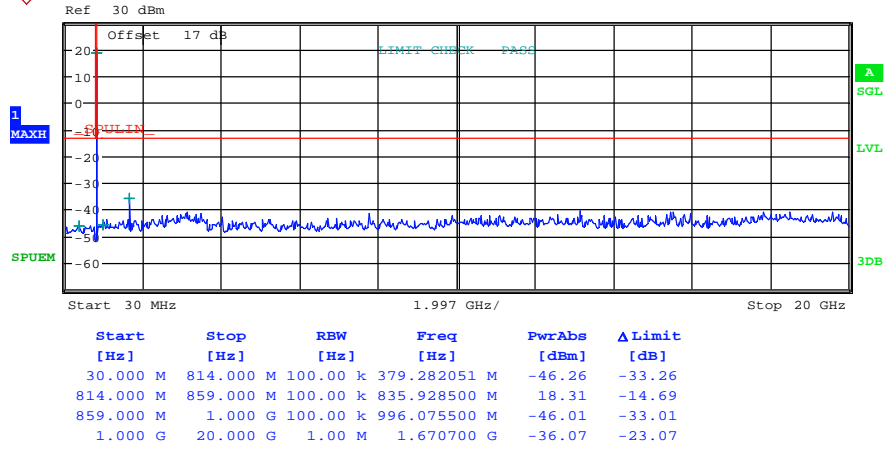
## Band 5



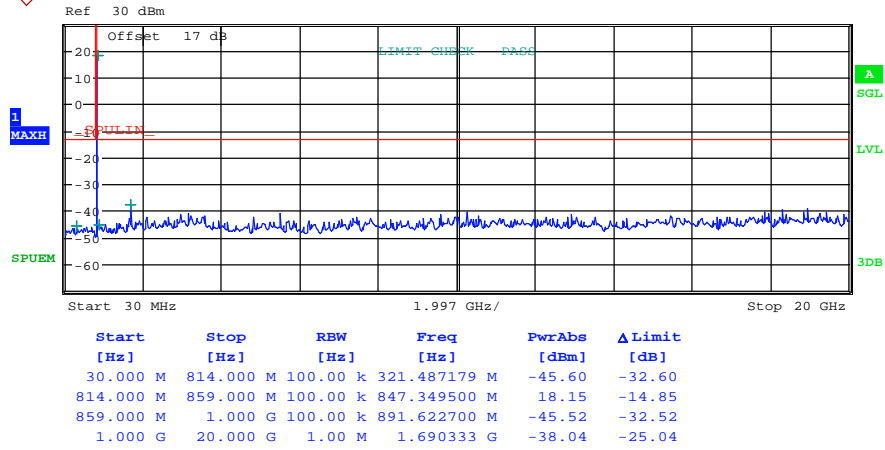
Date: 13.DEC.2021 17:46:02



Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1



Date: 13.DEC.2021 17:46:41



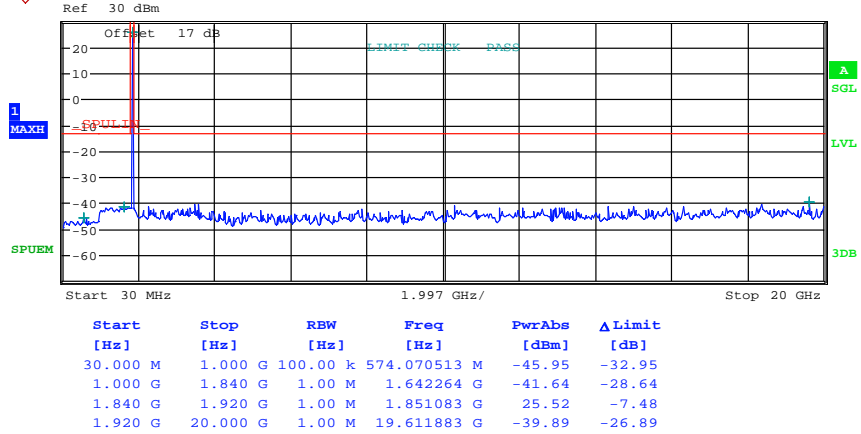
Date: 13.DEC.2021 17:47:09



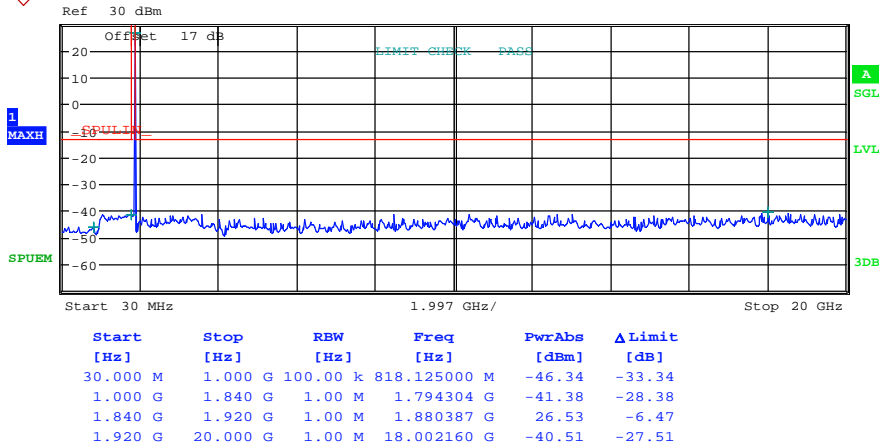
# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1

LTE  
 Band 2  
 1.4 MHz QPSK



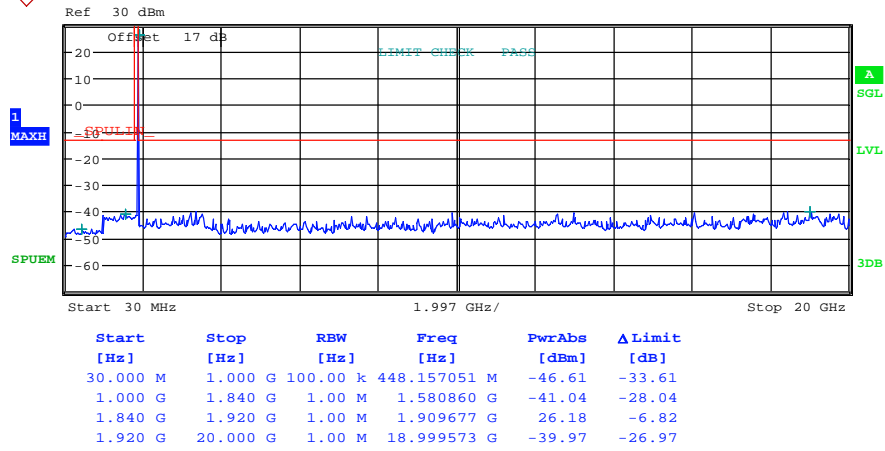
Date: 13.DEC.2021 18:21:50



Date: 13.DEC.2021 18:22:20

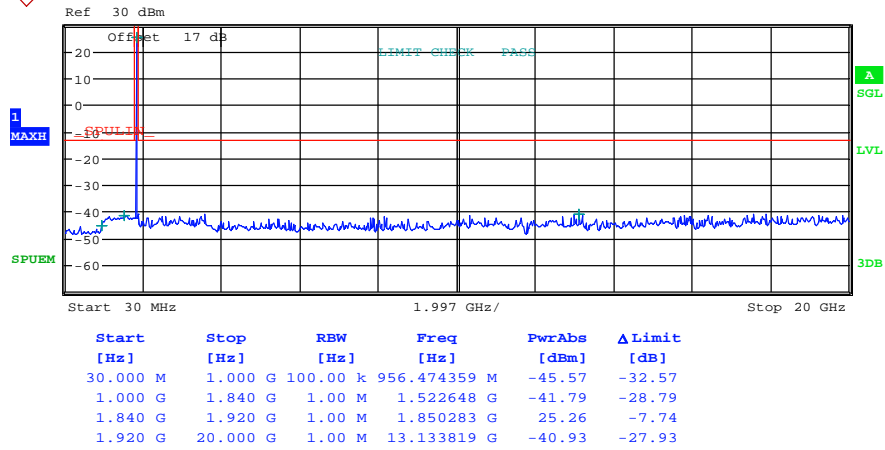


Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1



Date: 13.DEC.2021 18:21:24

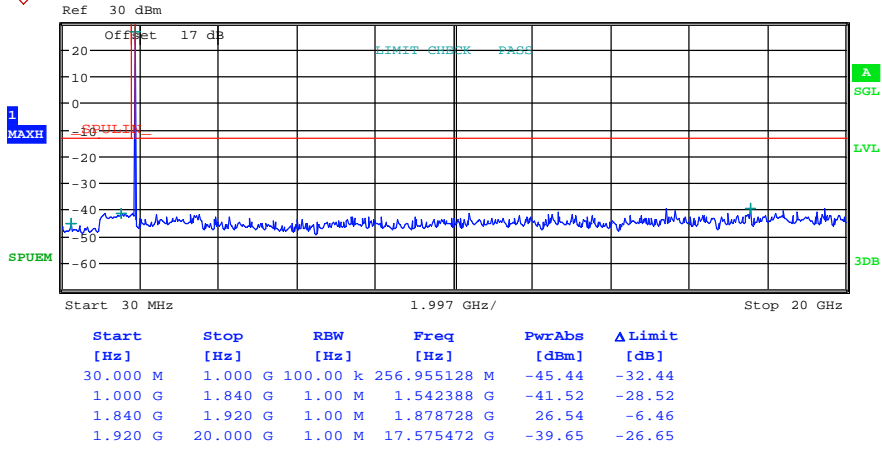
## 3 MHz QPSK



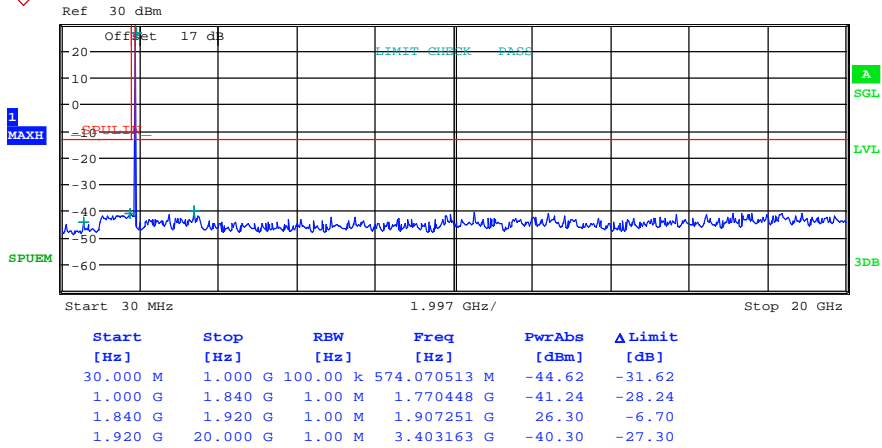
Date: 13.DEC.2021 18:23:43



Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1



Date: 13.DEC.2021 18:23:22

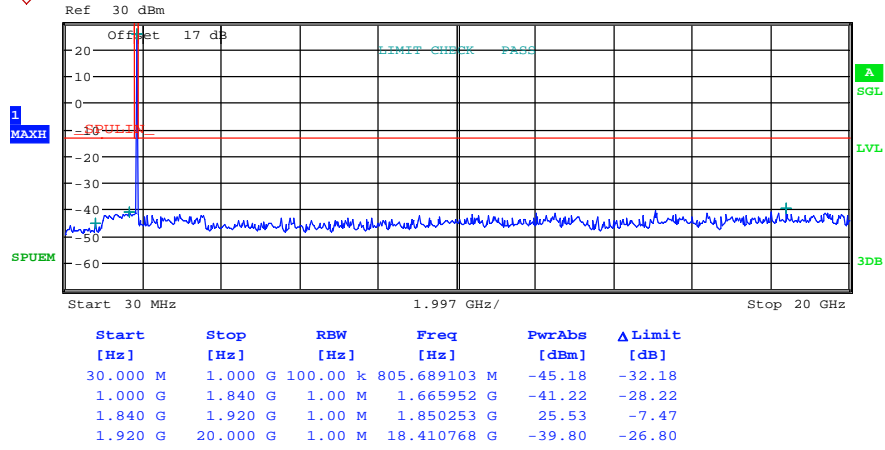


Date: 13.DEC.2021 18:24:13

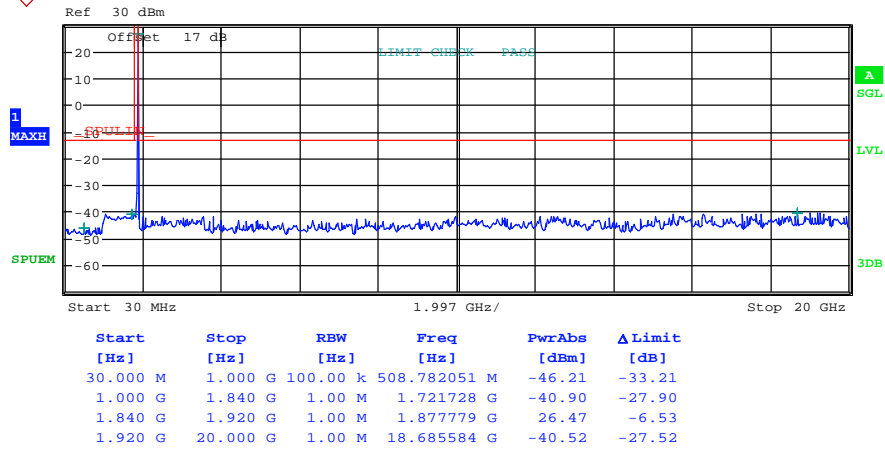




Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 5 MHz QPSK



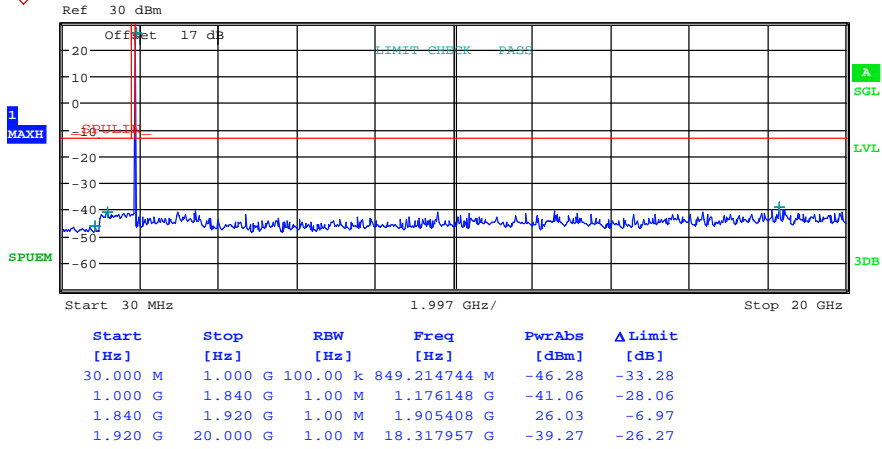
Date: 13.DEC.2021 18:27:53



Date: 13.DEC.2021 18:28:14

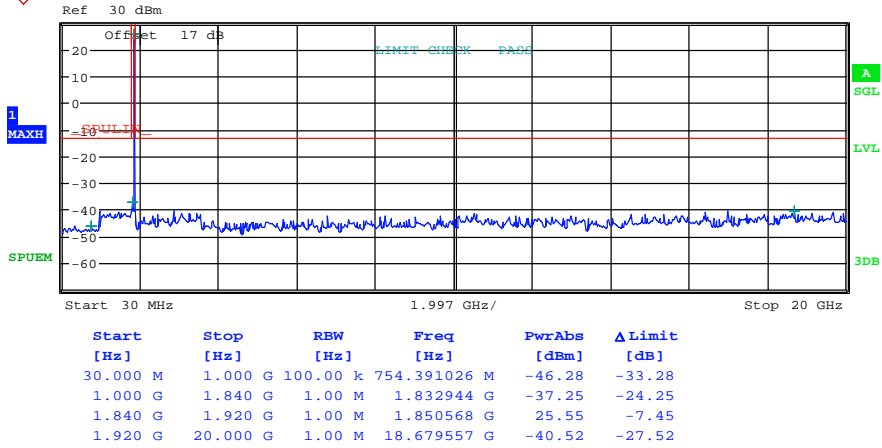


Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1



Date: 13.DEC.2021 18:28:50

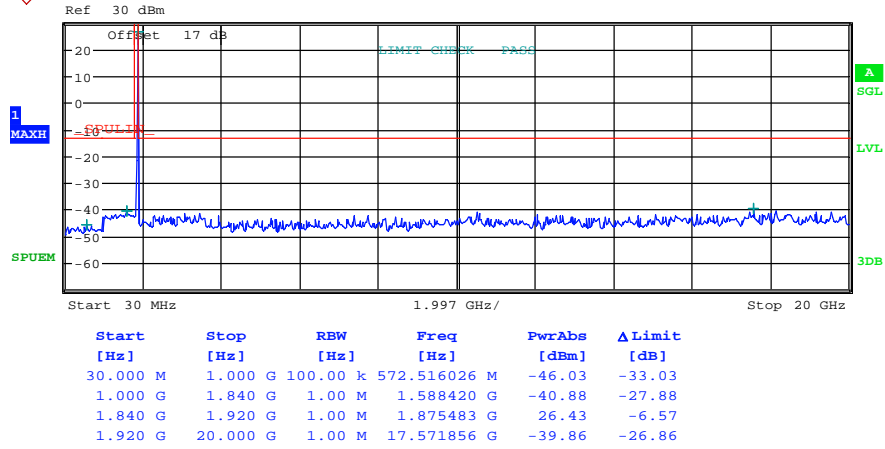
## 10 MHz QPSK



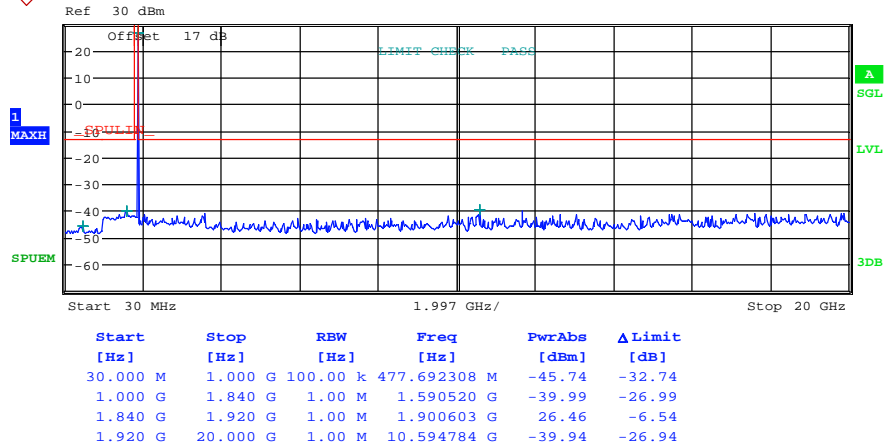
Date: 13.DEC.2021 18:30:20



Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1



Date: 13.DEC.2021 18:29:19

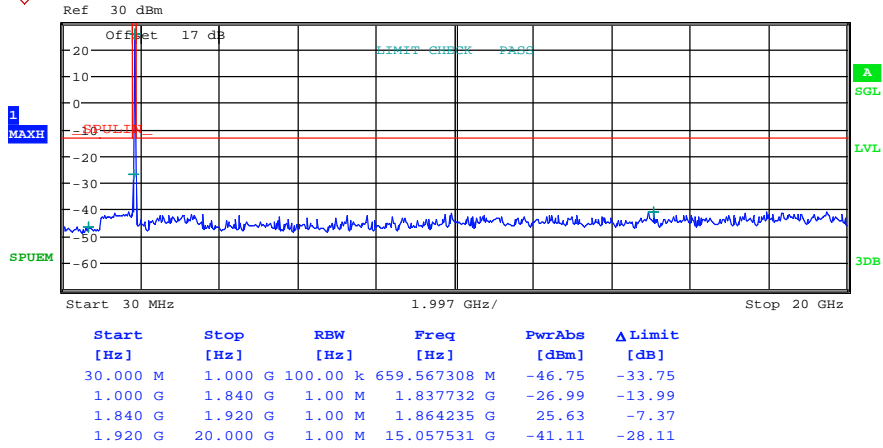


Date: 13.DEC.2021 18:29:51

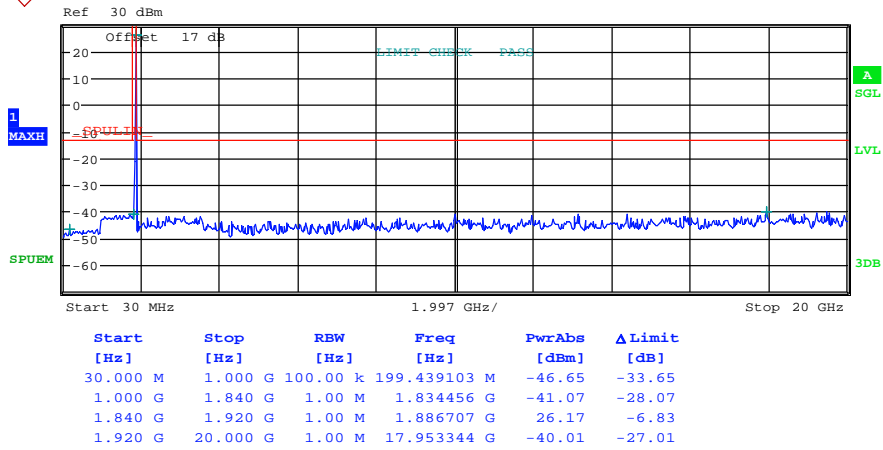


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 15 MHz QPSK



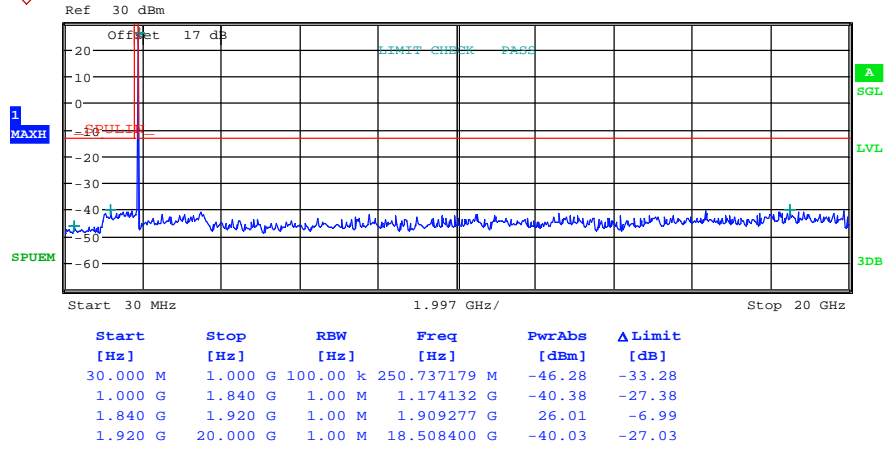
Date: 13.DEC.2021 18:33:32



Date: 13.DEC.2021 18:33:51

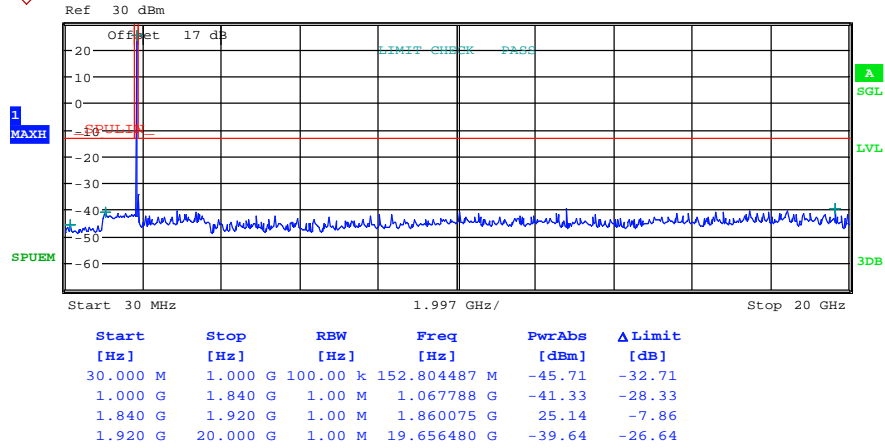


Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1



Date: 13.DEC.2021 18:33:10

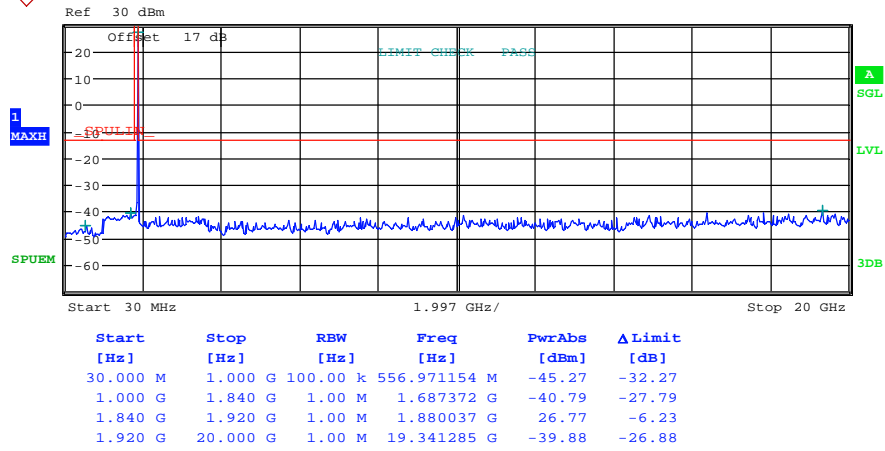
## 20 MHz QPSK



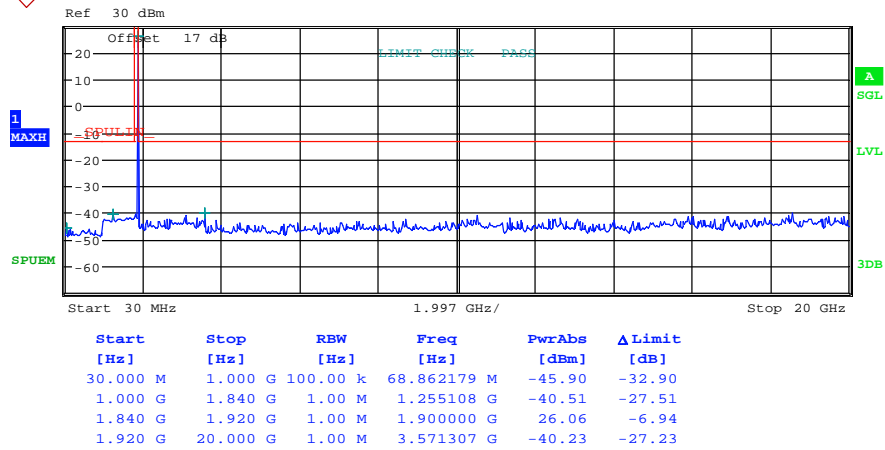
Date: 13.DEC.2021 18:34:35



Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1



Date: 13.DEC.2021 18:34:13



Date: 13.DEC.2021 18:34:51

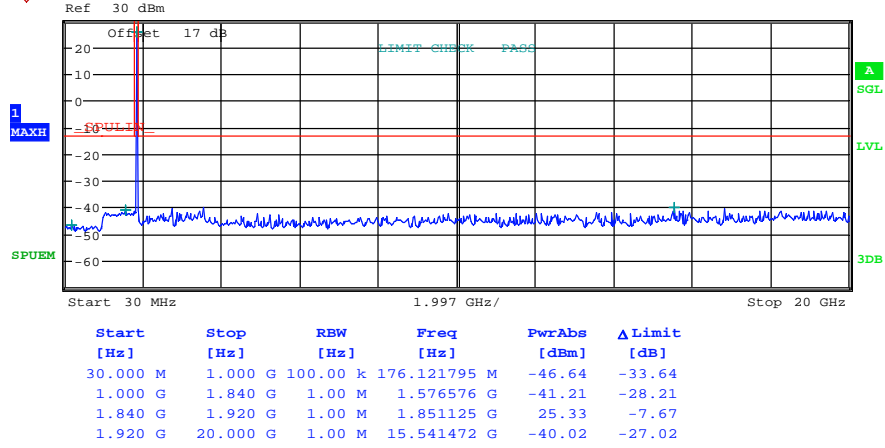


# Worldwide Testing Services(Taiwan) Co., Ltd.

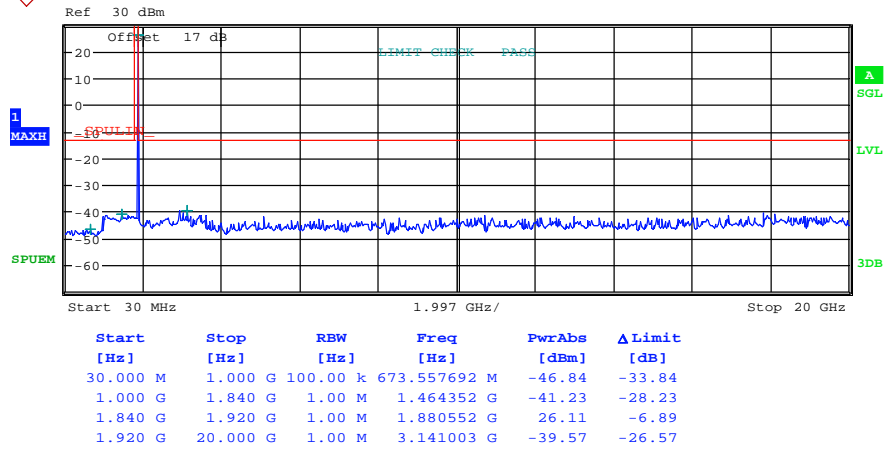
Report Number: W6R22112-21431-P-247

FCC ID: GX9FPHUB3-1

1.4 MHz 16QAM



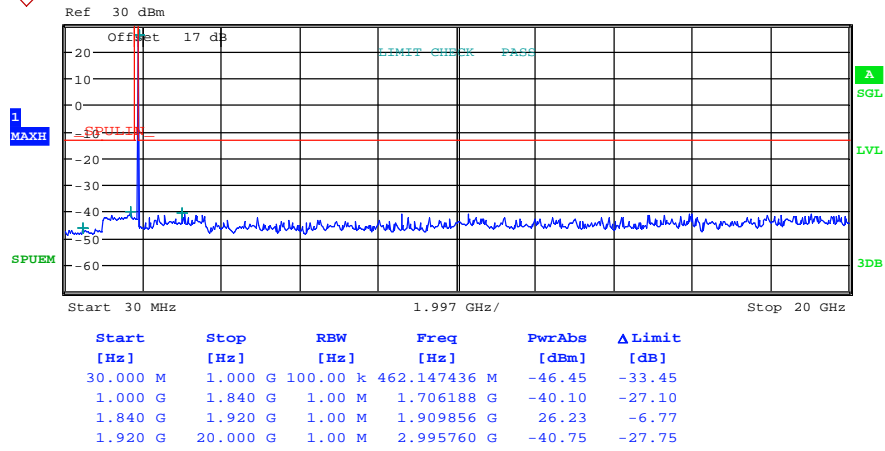
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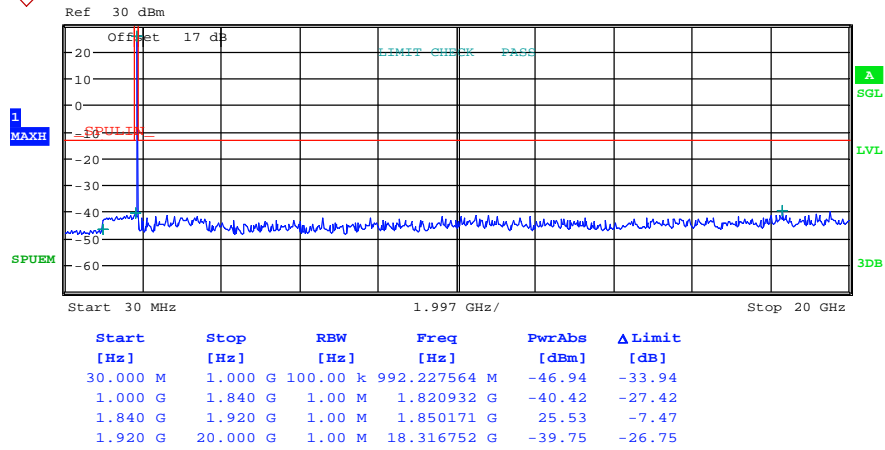


Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1



Date: 13.DEC.2021 18:20:57

## 3 MHz 16QAM

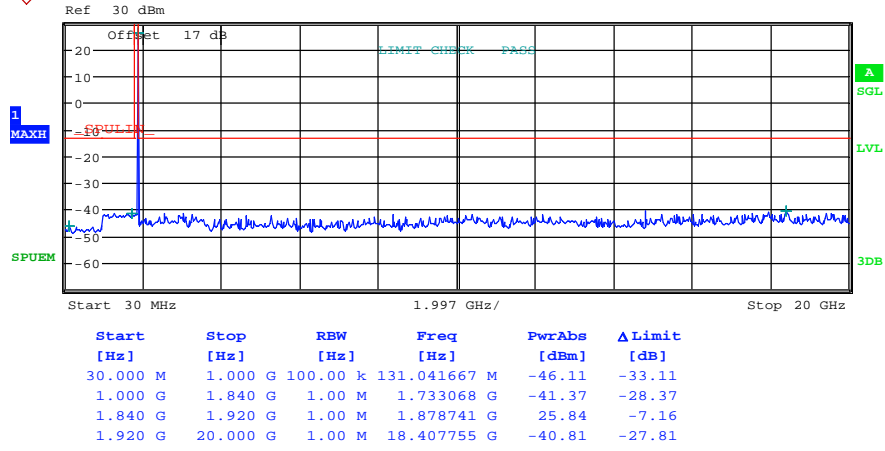


Date: 13.DEC.2021 18:25:39

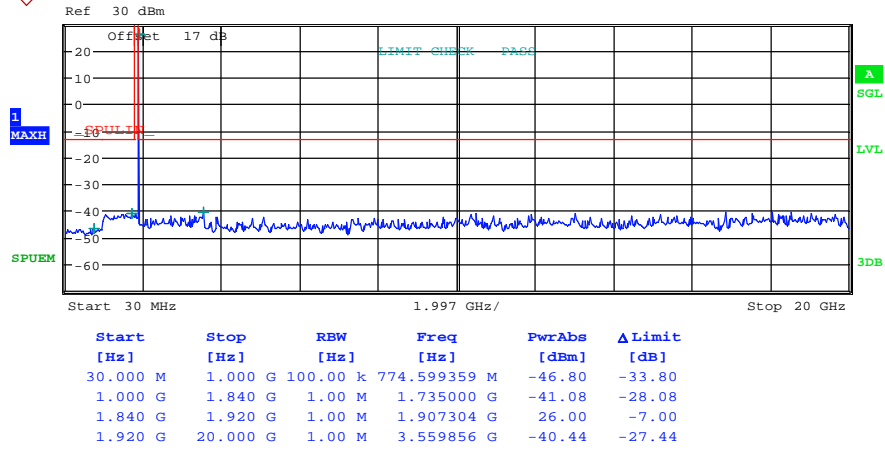




Report Number: W6R22112-21431-P-247  
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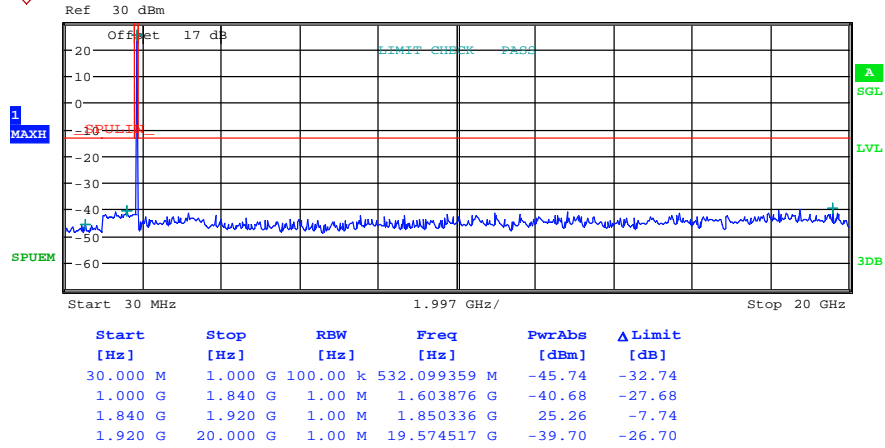
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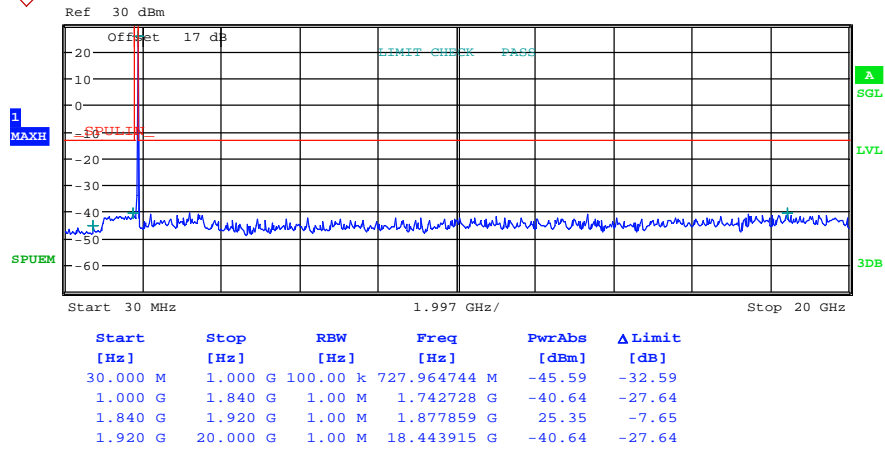
Date: 13.DEC.2021 18:24:54



Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 5 MHz 16QAM



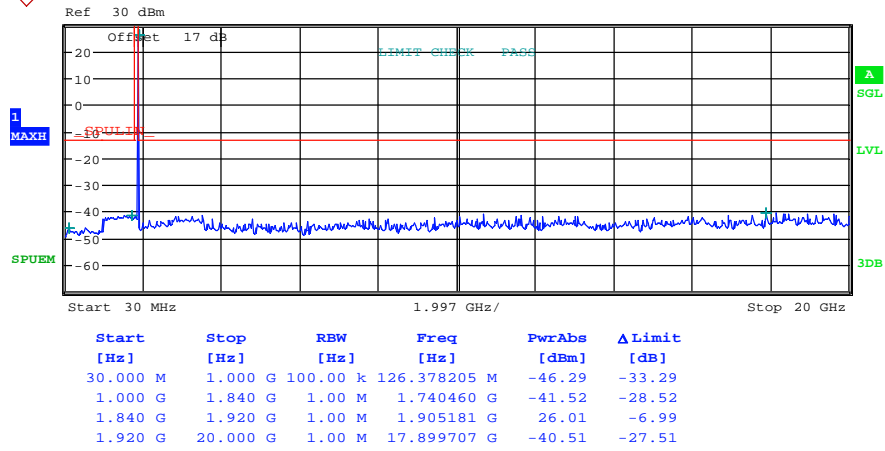
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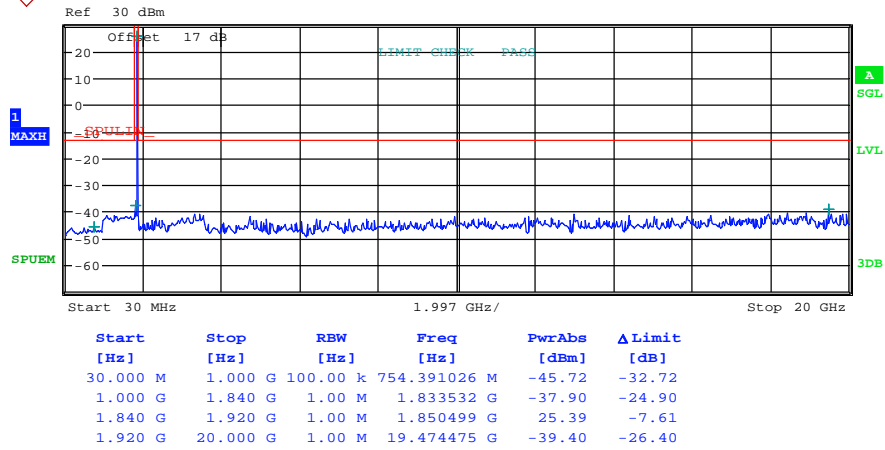


Report Number: W6R22112-21431-P-247  
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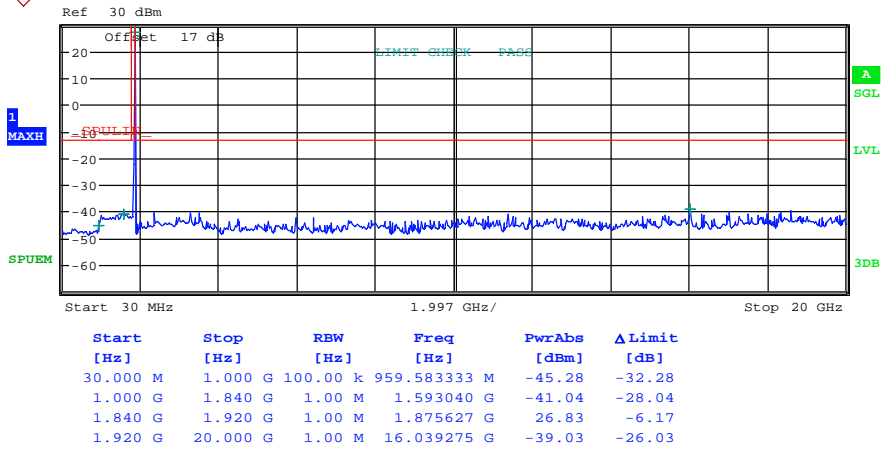
## 10 MHz 16QAM



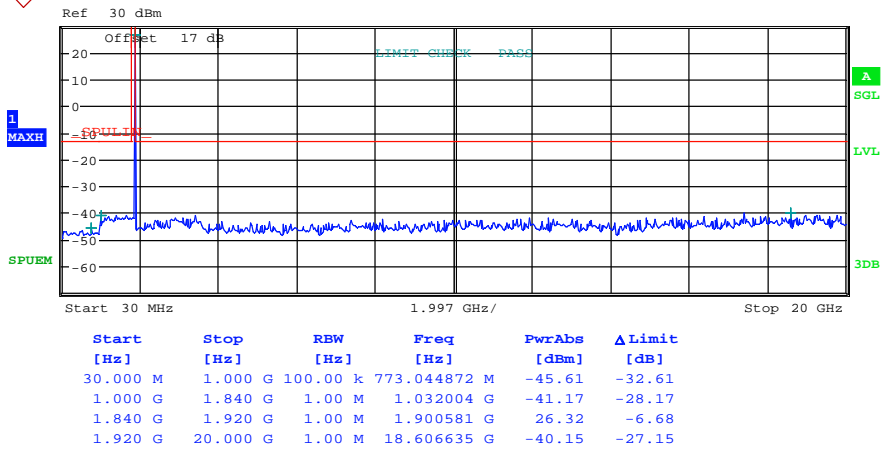
Date: 13.DEC.2021 18:30:41



Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1



Date: 13.DEC.2021 18:31:22



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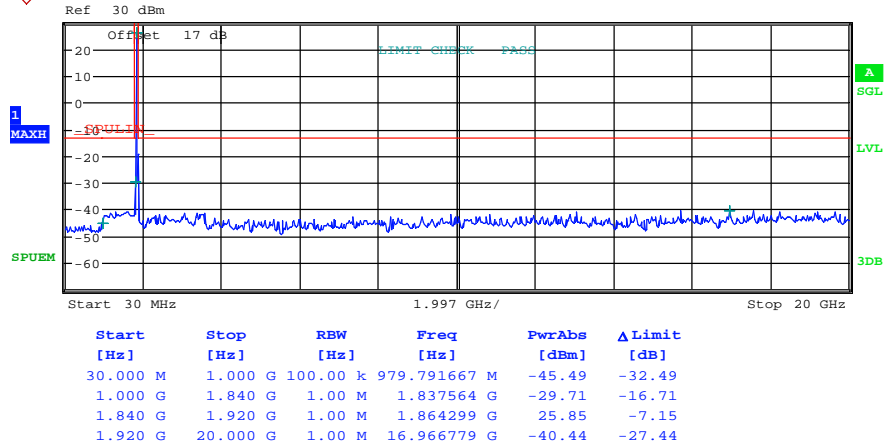


# Worldwide Testing Services(Taiwan) Co., Ltd.

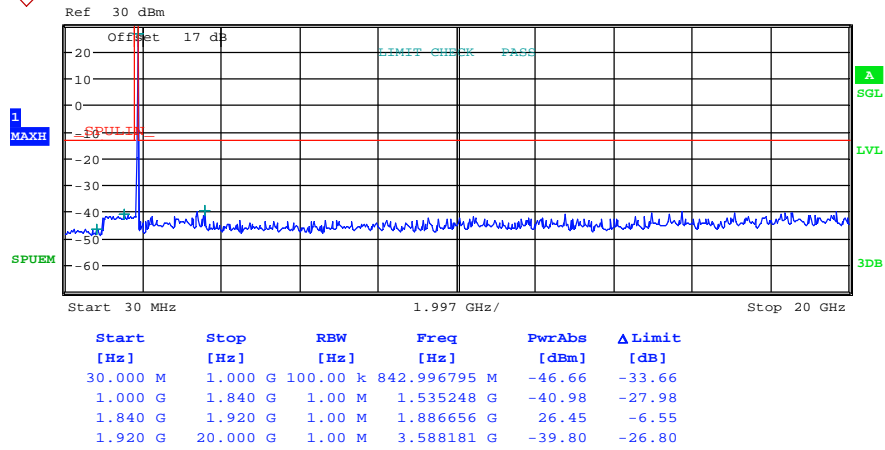
Report Number: W6R22112-21431-P-247

FCC ID: GX9FPHUB3-1

15 MHz 16QAM



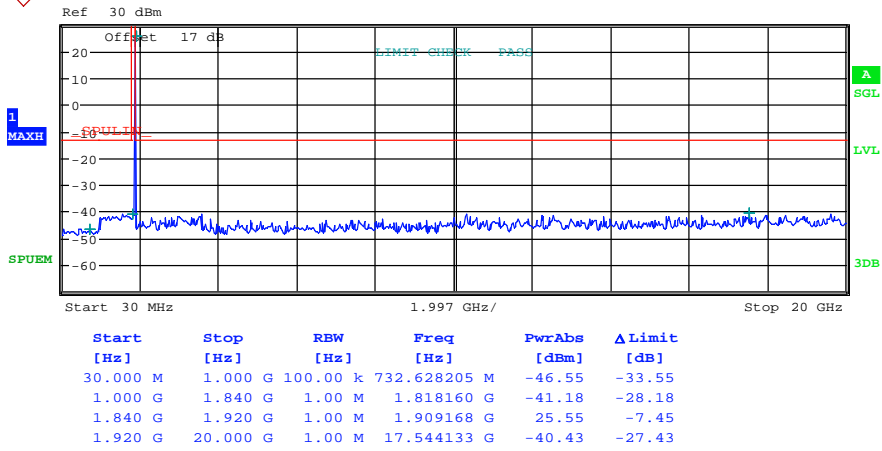
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Date: 13.DEC.2021 18:32:08

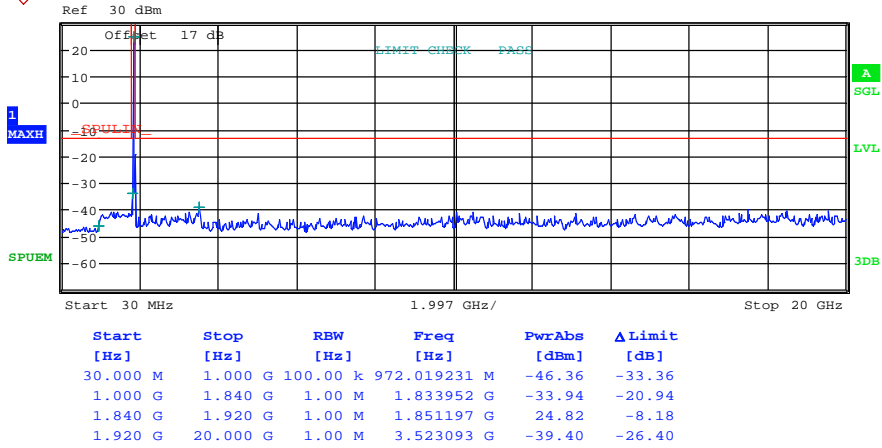


Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1



Date: 13.DEC.2021 18:32:51

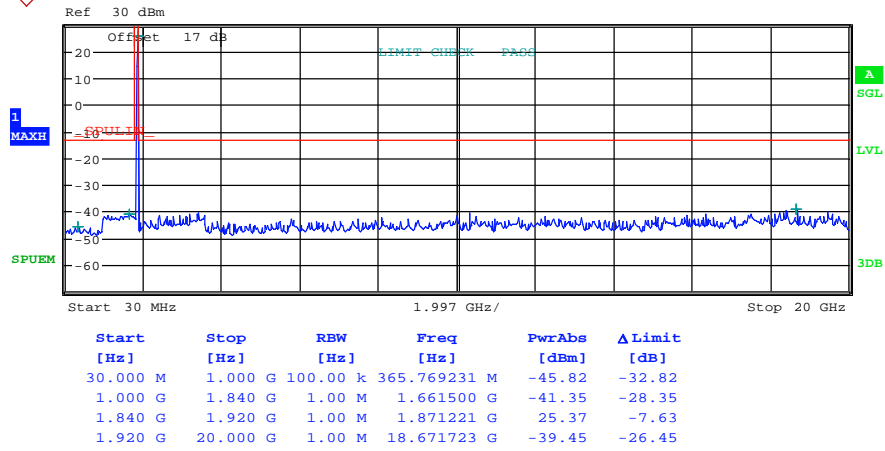
## 20 MHz 16QAM



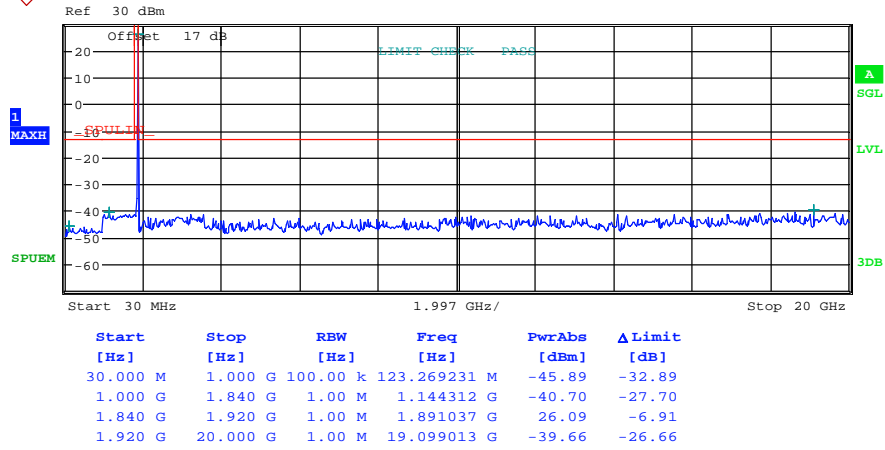
Date: 13.DEC.2021 18:35:48



Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1



Date: 13.DEC.2021 18:36:15



Date: 13.DEC.2021 18:35:24



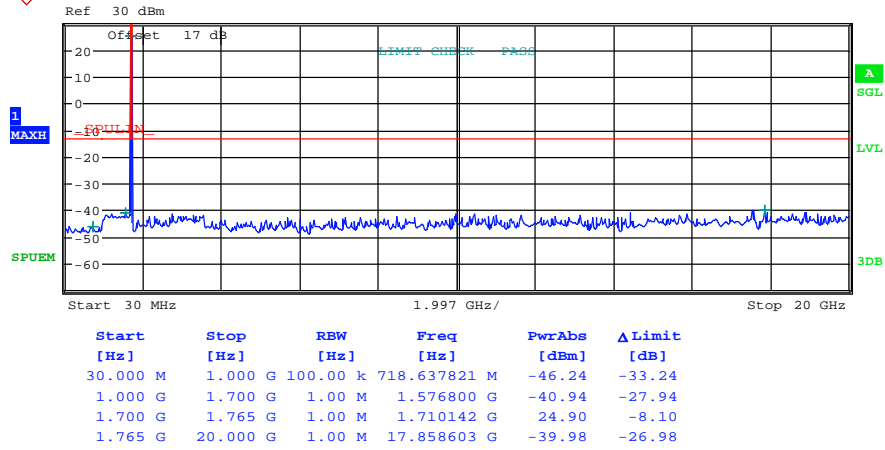
# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22112-21431-P-247

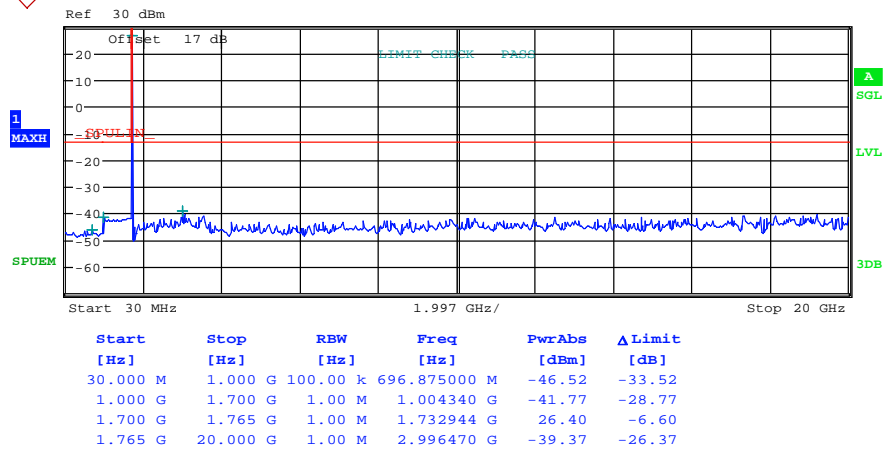
FCC ID: GX9FPHUB3-1

Band 4

1.4 MHz QPSK



Date: 13.DEC.2021 18:54:08

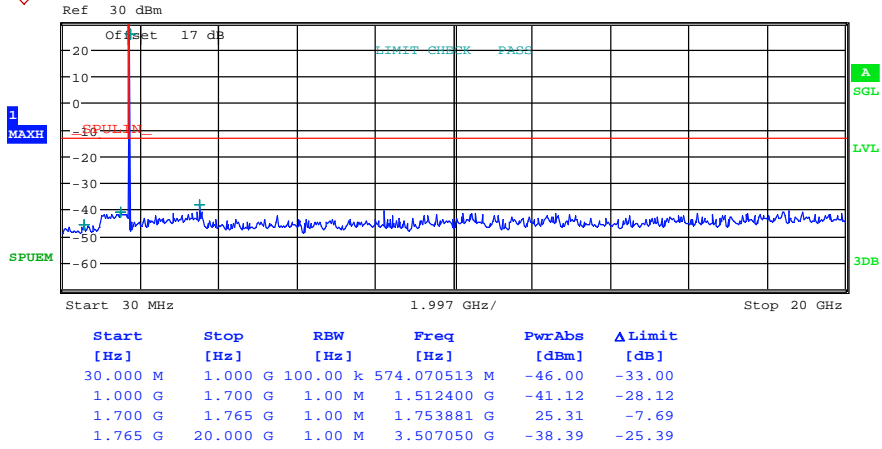


Date: 13.DEC.2021 18:53:31



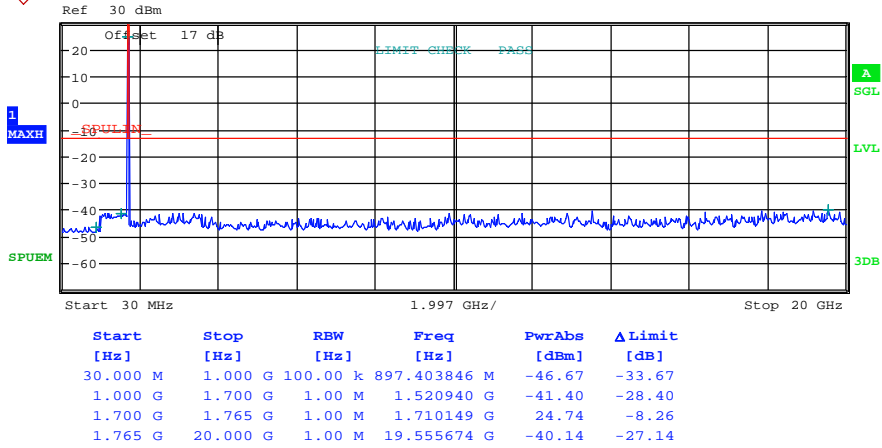


Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1



Date: 13.DEC.2021 18:53:50

## 3 MHz QPSK

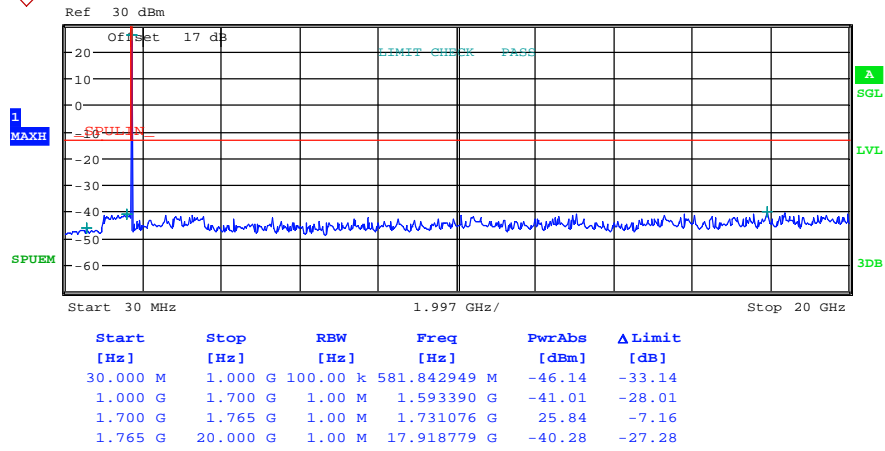


Date: 13.DEC.2021 18:52:40

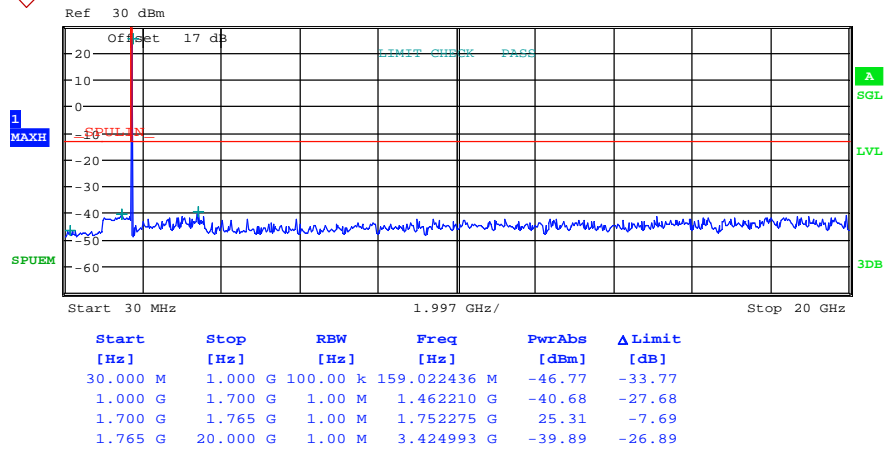


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1



Date: 13.DEC.2021 18:53:13



Date: 13.DEC.2021 18:52:57

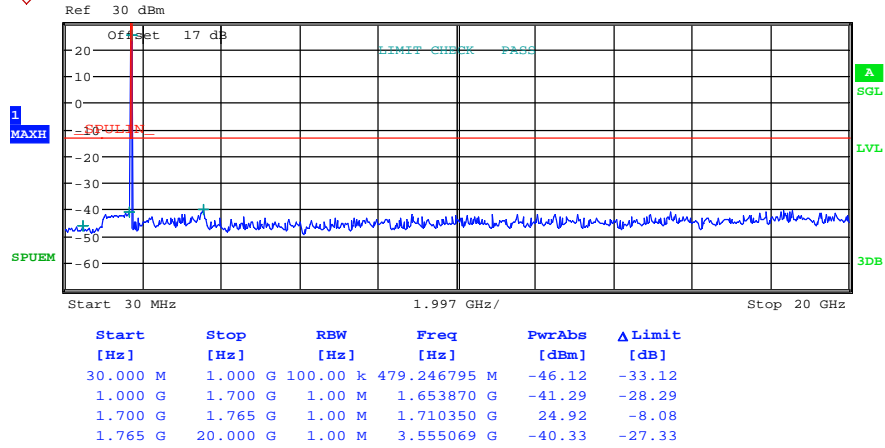


# Worldwide Testing Services(Taiwan) Co., Ltd.

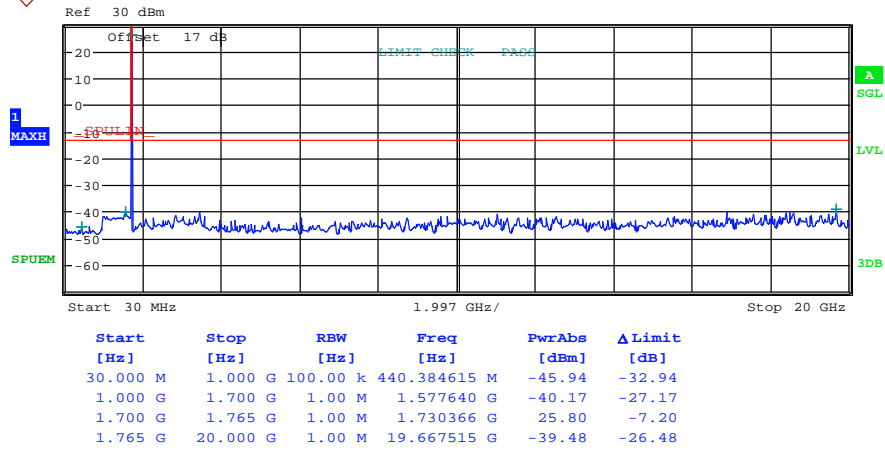
Report Number: W6R22112-21431-P-247

FCC ID: GX9FPHUB3-1

5 MHz QPSK



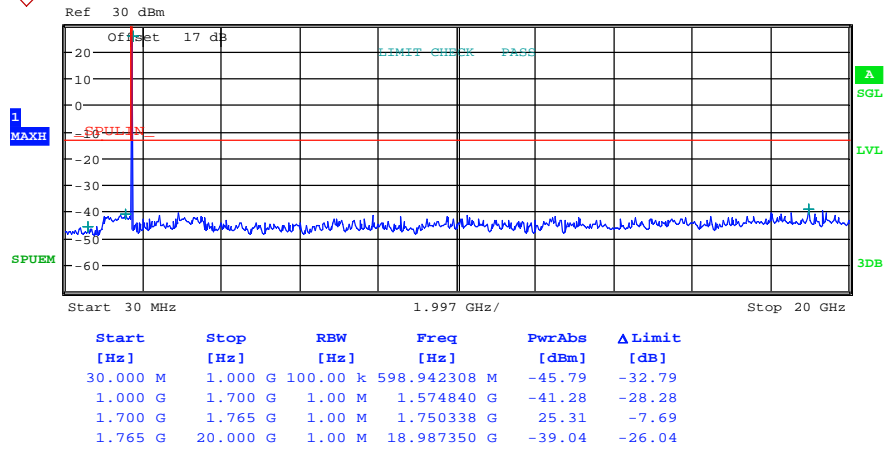
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Date: 13.DEC.2021 18:48:34

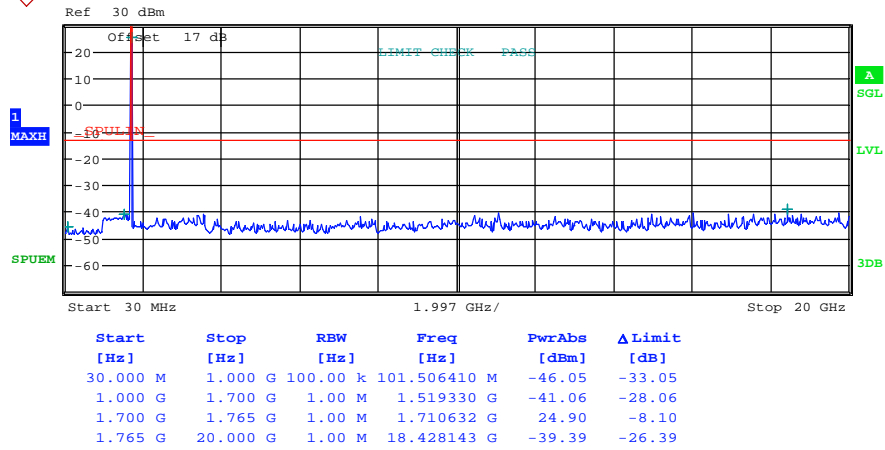


Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1



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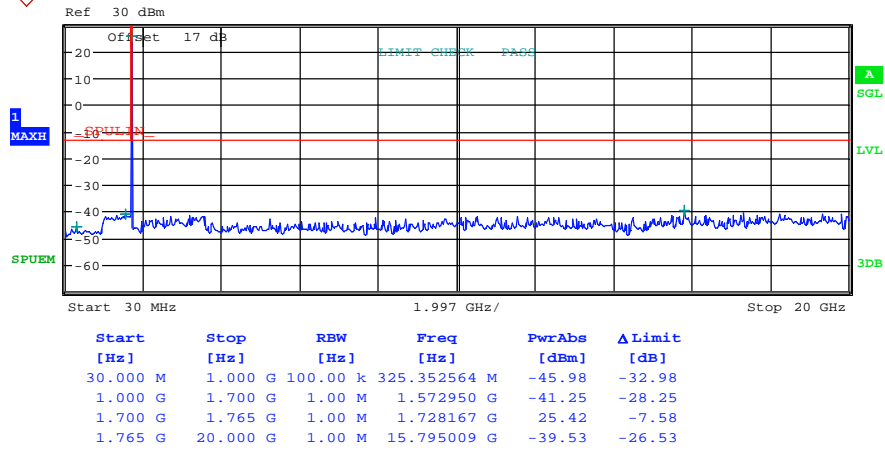
## 10 MHz QPSK



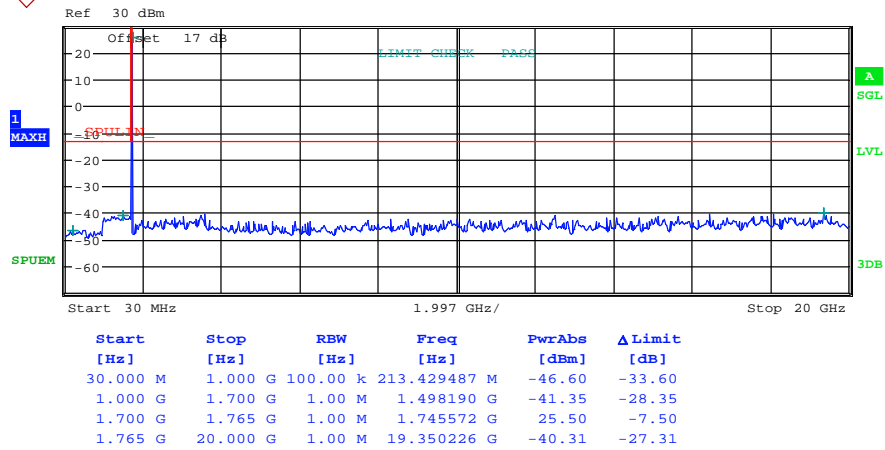
Date: 13.DEC.2021 18:47:40



Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1



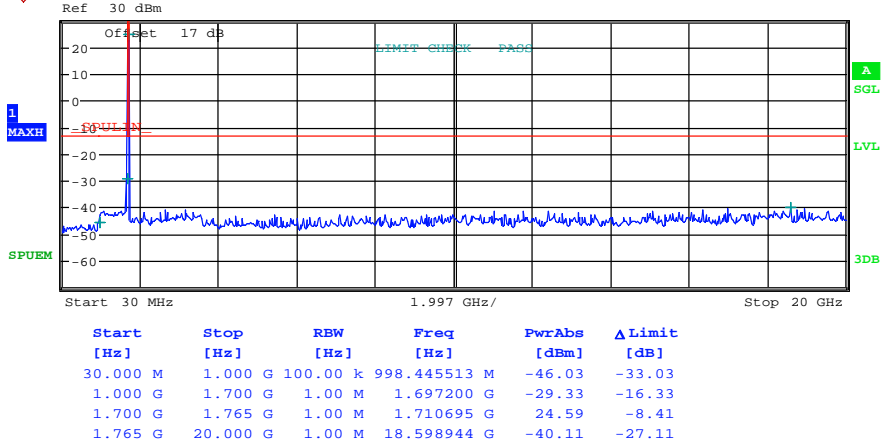
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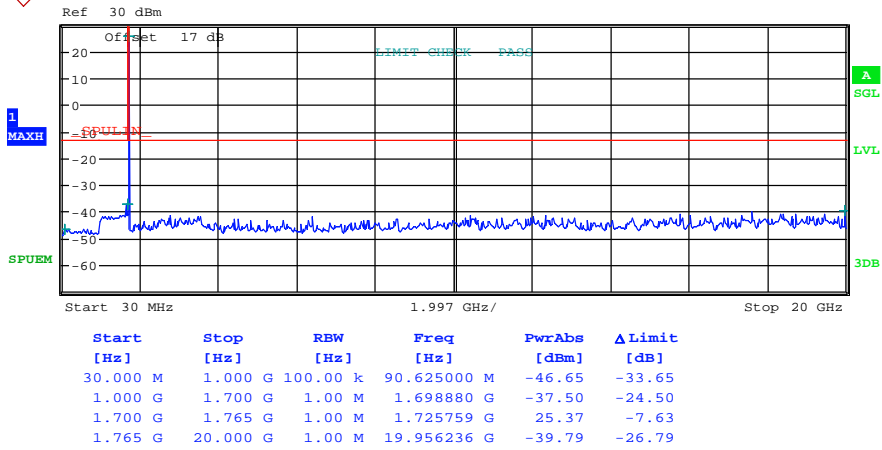
Date: 13.DEC.2021 18:47:57



Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 15 MHz QPSK



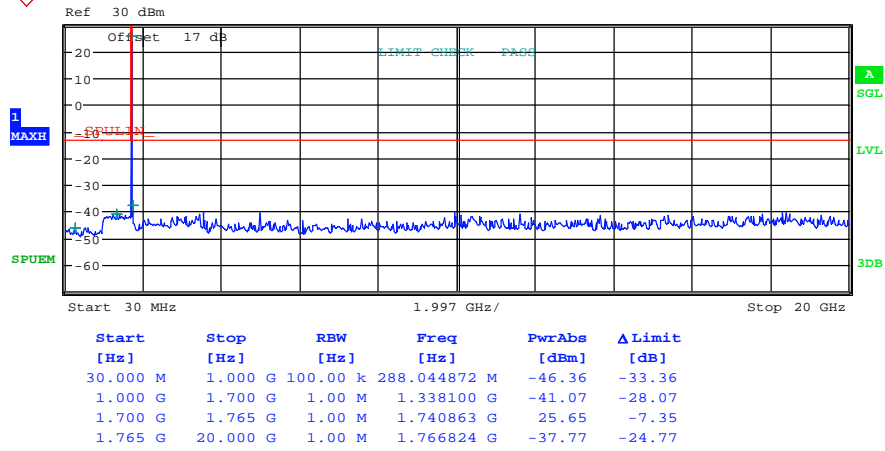
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Date: 13.DEC.2021 18:44:22

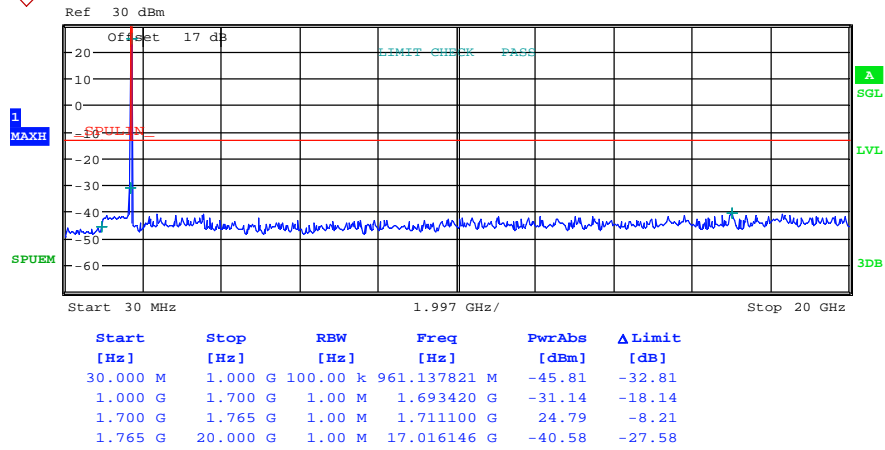


Report Number: W6R22112-21431-P-247  
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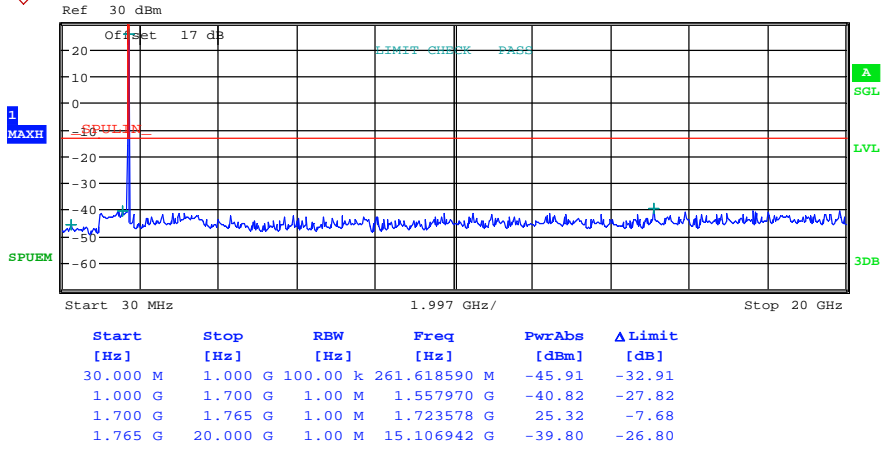
## 20 MHz QPSK



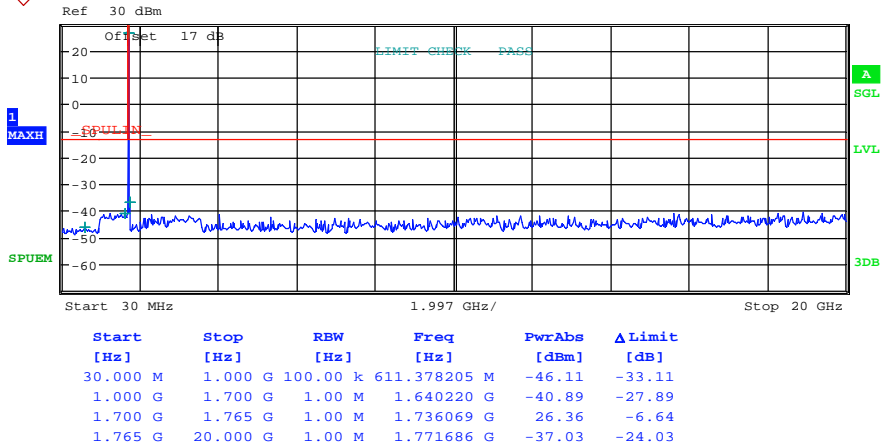
Date: 13.DEC.2021 18:43:05



Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1



Date: 13.DEC.2021 18:43:55



Date: 13.DEC.2021 18:43:22



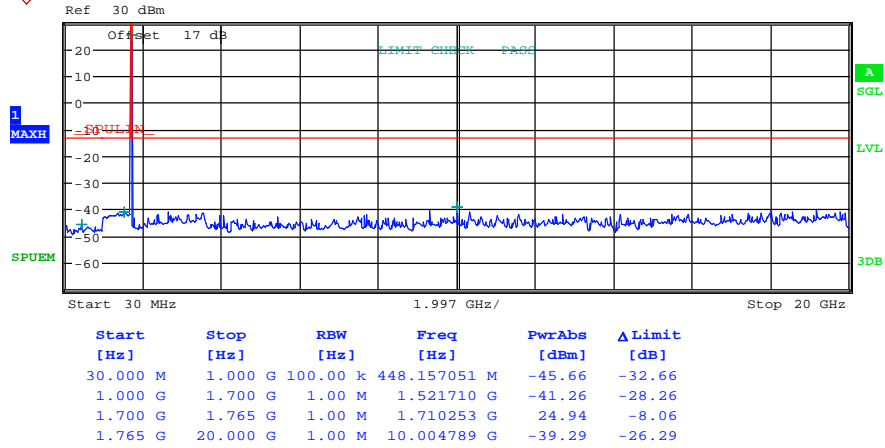


# Worldwide Testing Services(Taiwan) Co., Ltd.

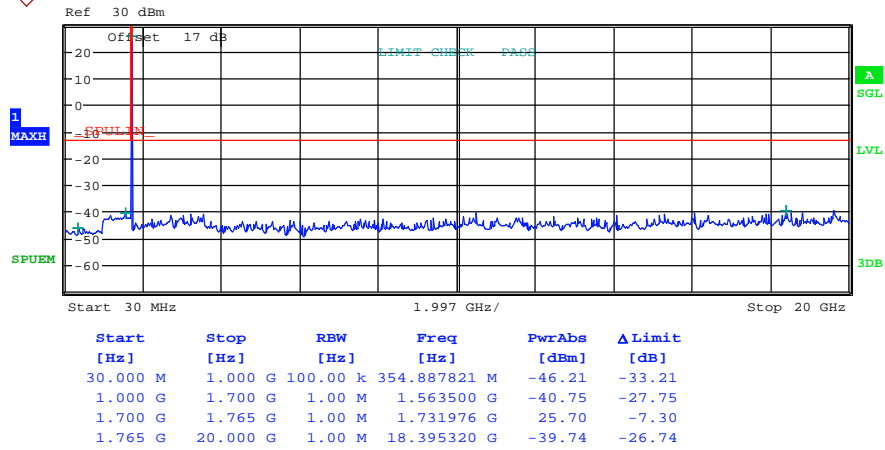
Report Number: W6R22112-21431-P-247

FCC ID: GX9FPHUB3-1

1.4 MHz 16QAM



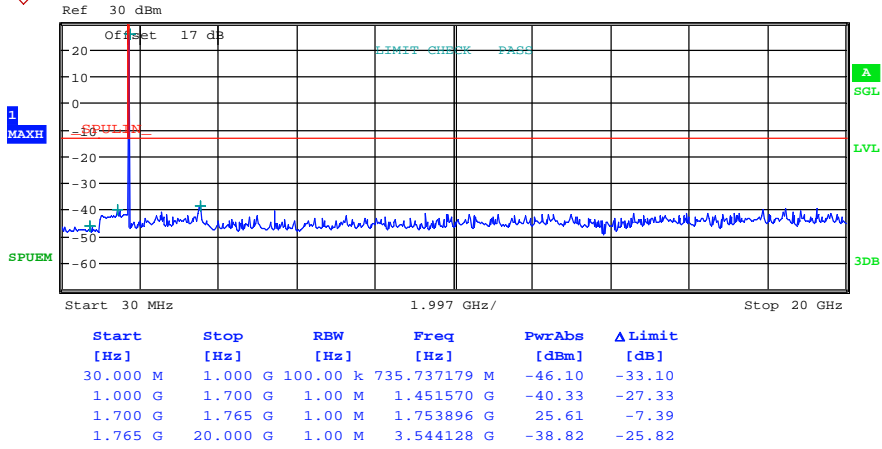
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Date: 13.DEC.2021 18:54:54

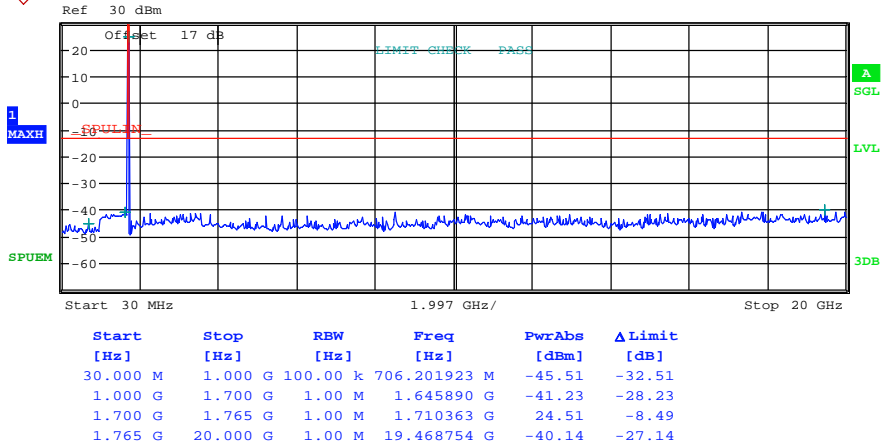


Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1



Date: 13.DEC.2021 18:55:09

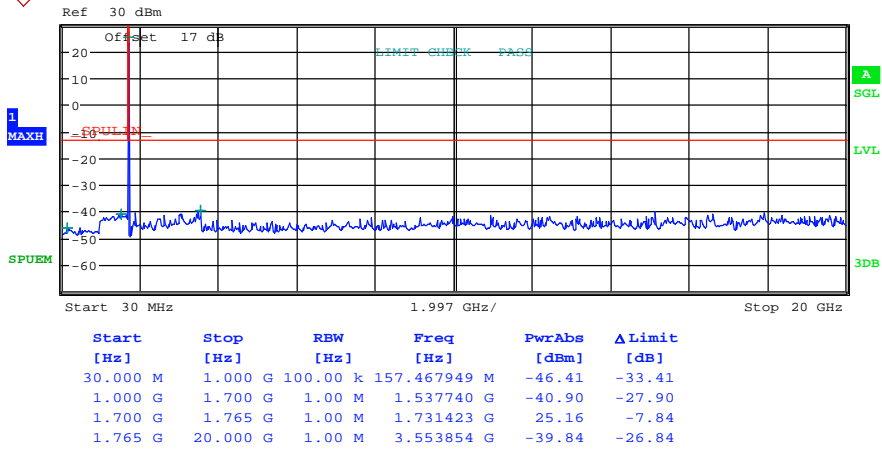
## 3 MHz 16QAM



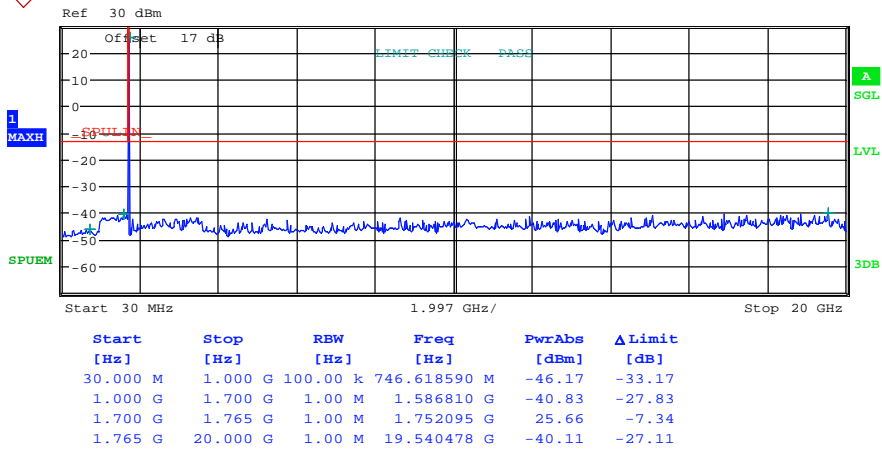
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 FCC ID: GX9FPHUB3-1



Date: 13.DEC.2021 18:51:38

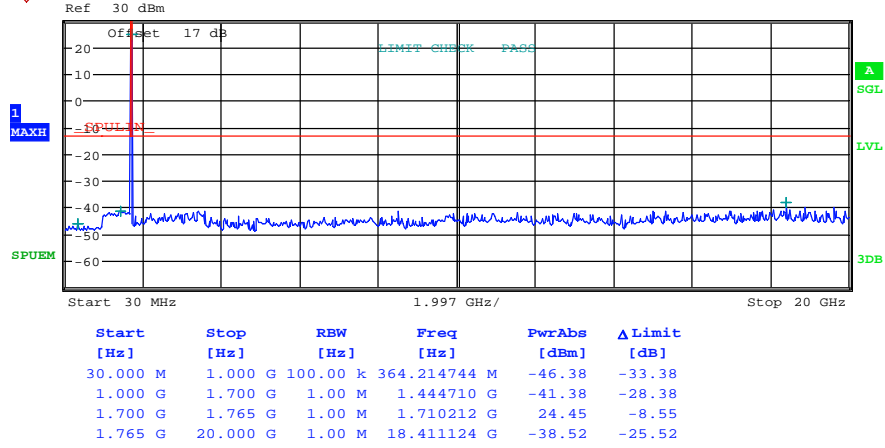


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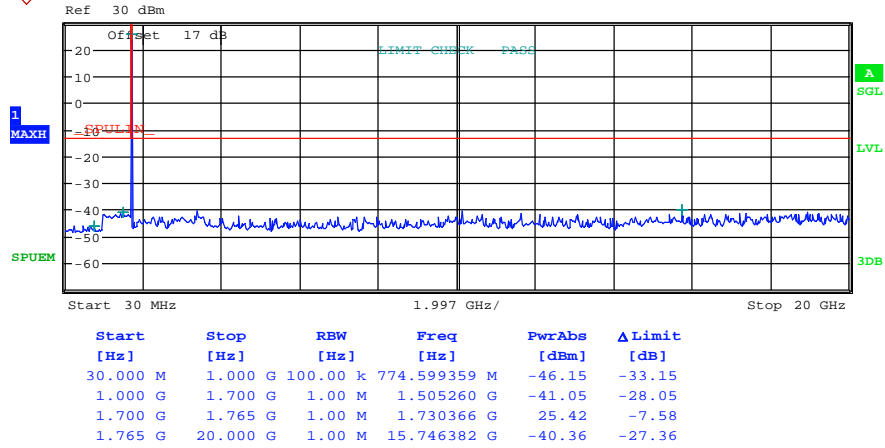


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 5 MHz 16QAM



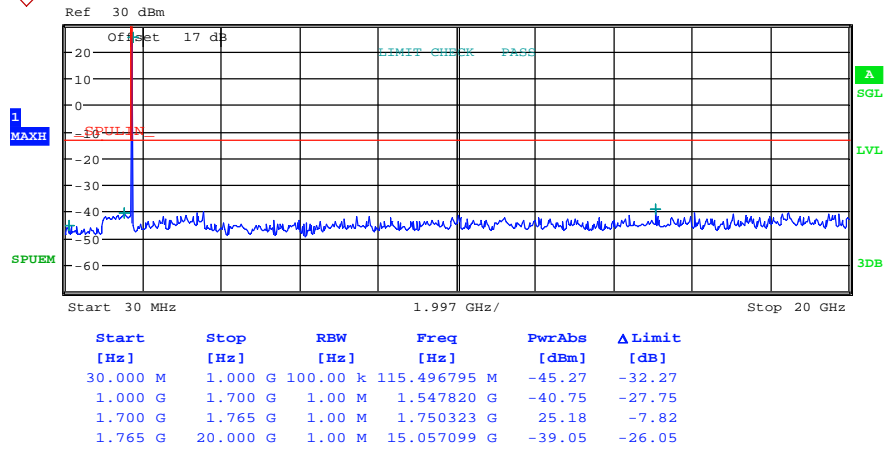
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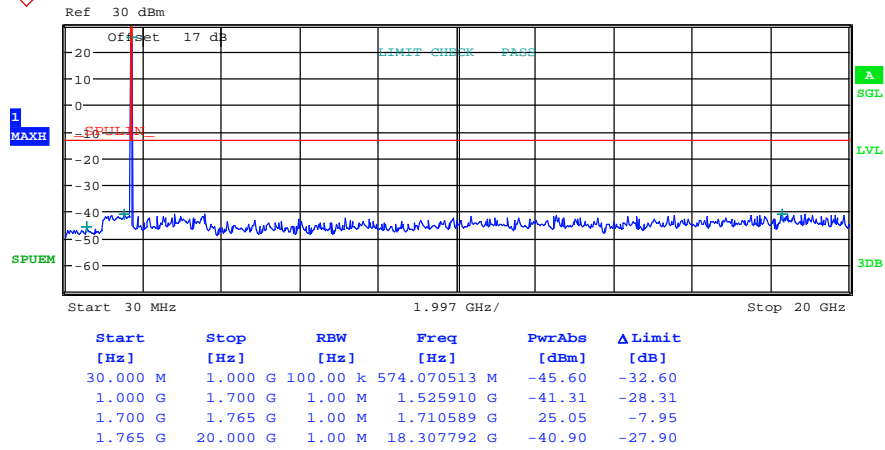


Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1



Date: 13.DEC.2021 18:49:58

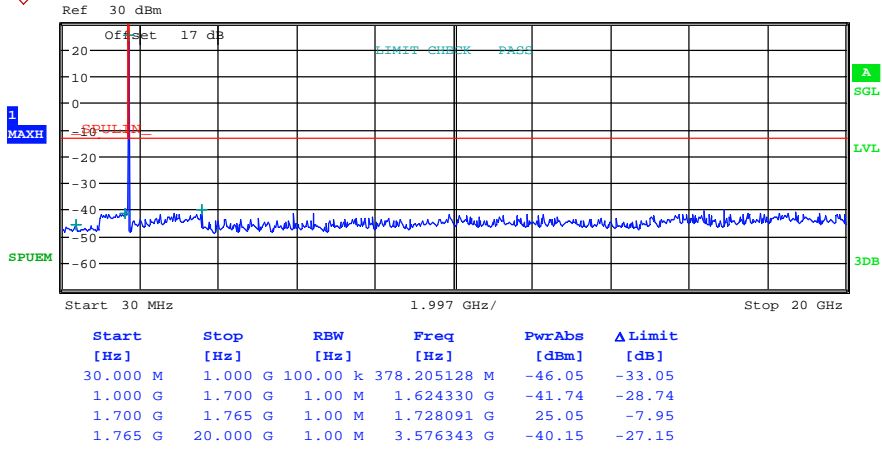
## 10 MHz 16QAM



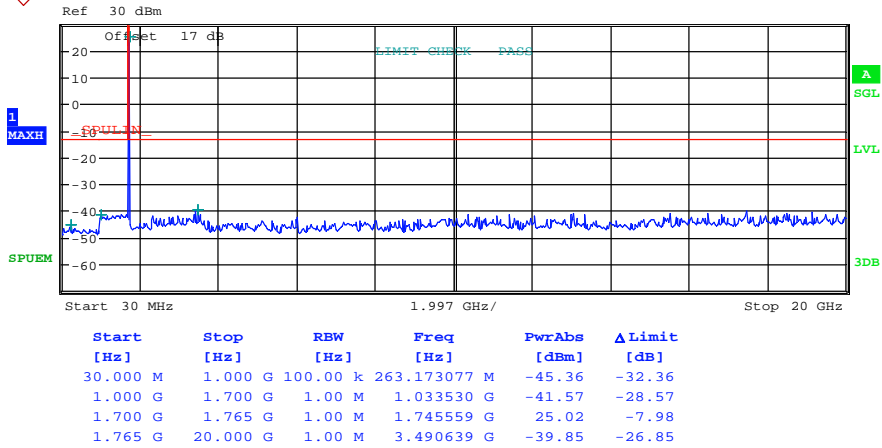
Date: 13.DEC.2021 18:47:01



Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1



Date: 13.DEC.2021 18:46:20



Date: 13.DEC.2021 18:46:43

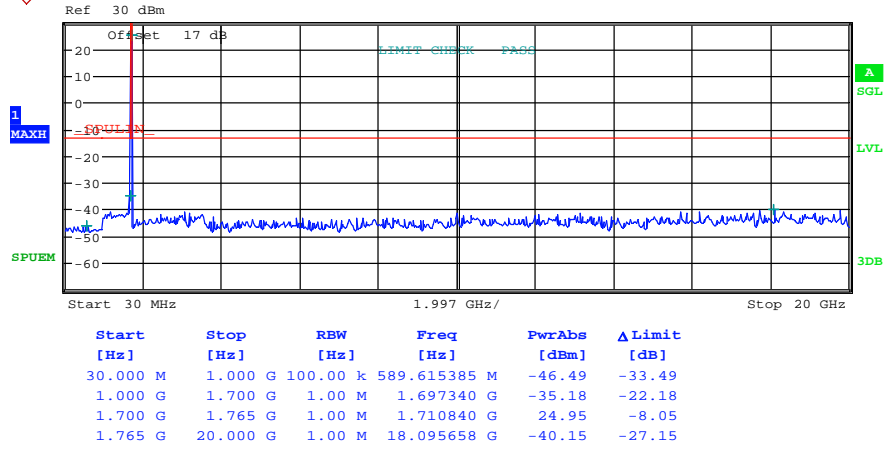


# Worldwide Testing Services(Taiwan) Co., Ltd.

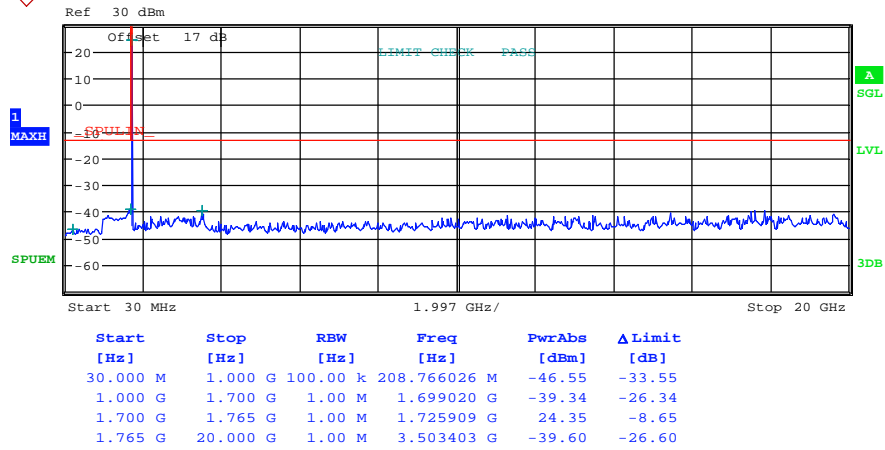
Report Number: W6R22112-21431-P-247

FCC ID: GX9FPHUB3-1

15 MHz 16QAM



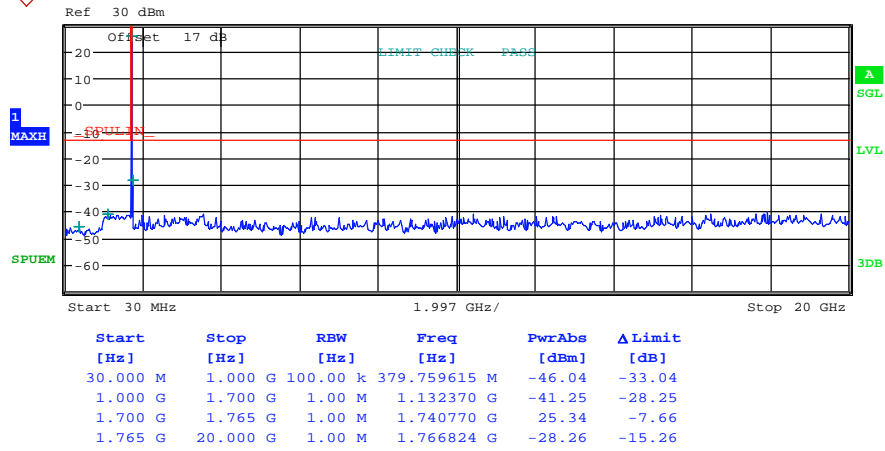
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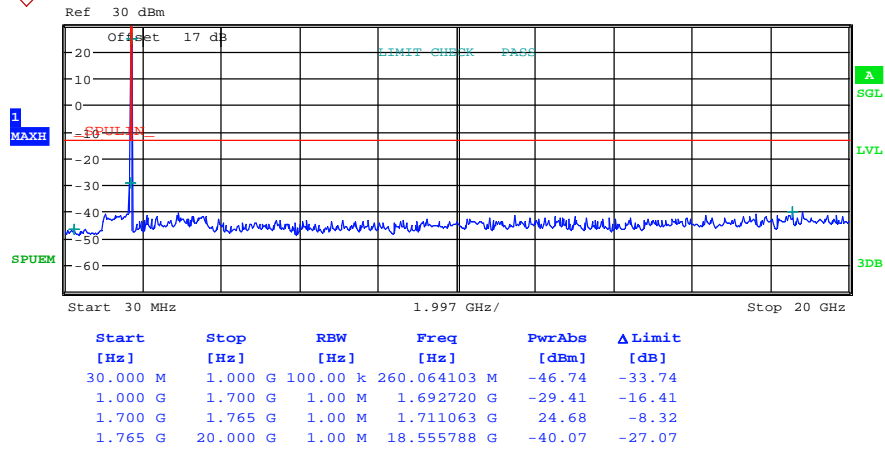


Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1



Date: 13.DEC.2021 18:45:19

## 20 MHz 16QAM

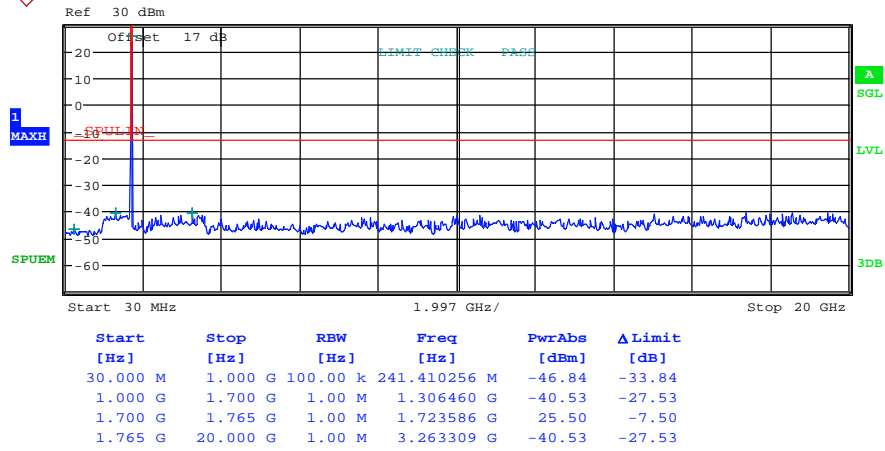


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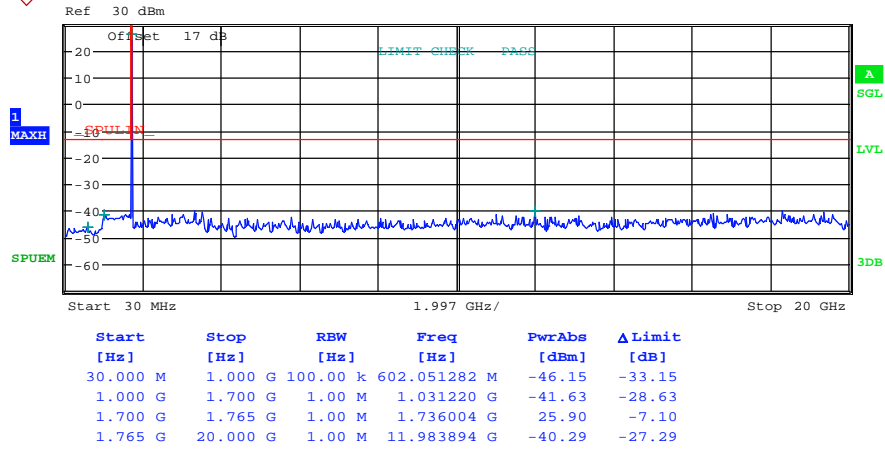




Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1



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Date: 13.DEC.2021 18:41:50



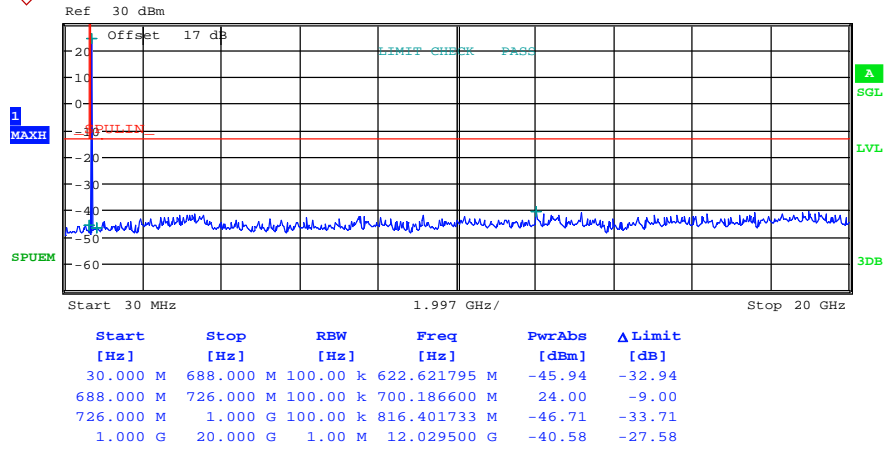
# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22112-21431-P-247

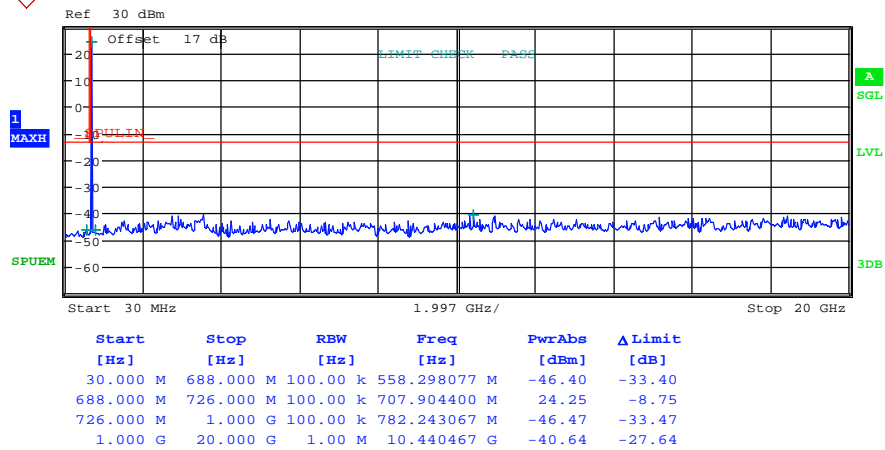
FCC ID: GX9FPHUB3-1

Band 12

1.4 MHz QPSK



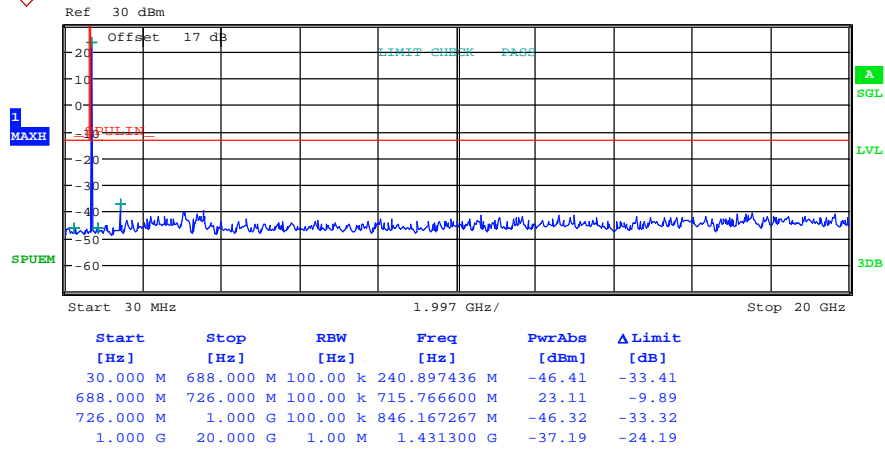
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Date: 13.DEC.2021 18:14:33

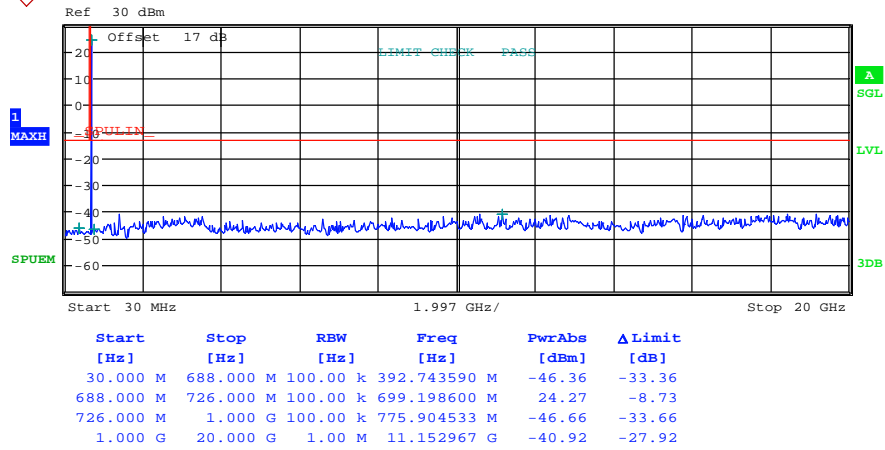


Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1



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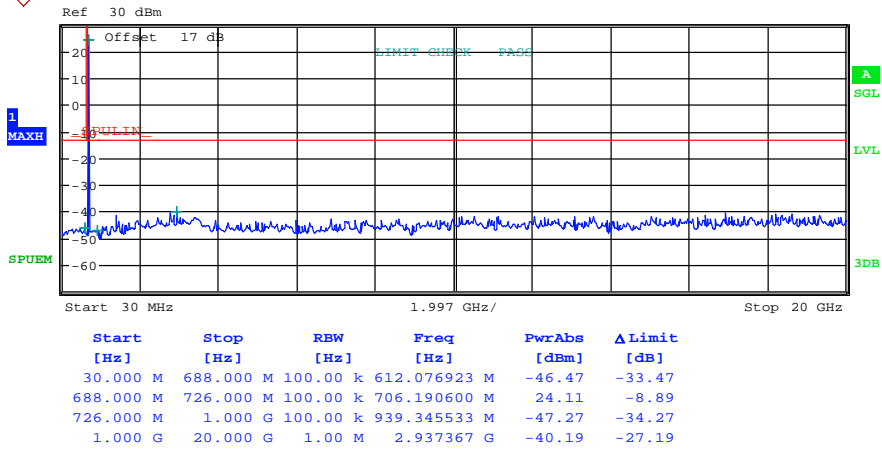
## 3 MHz QPSK



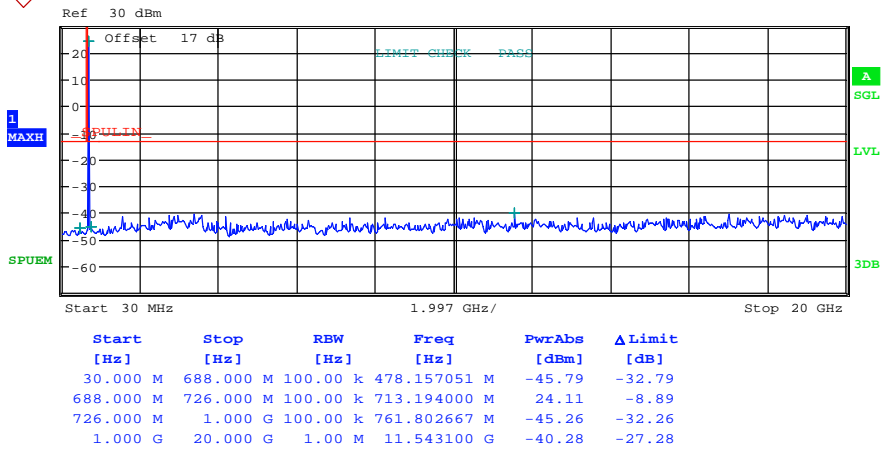
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Date: 13.DEC.2021 18:14:02

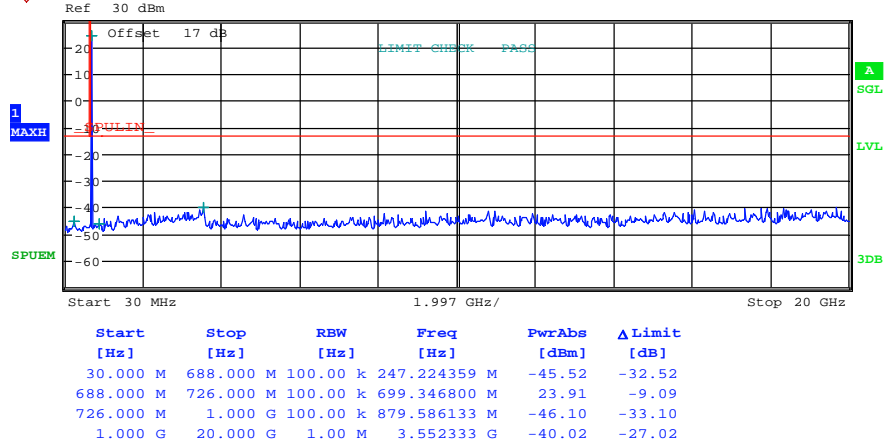


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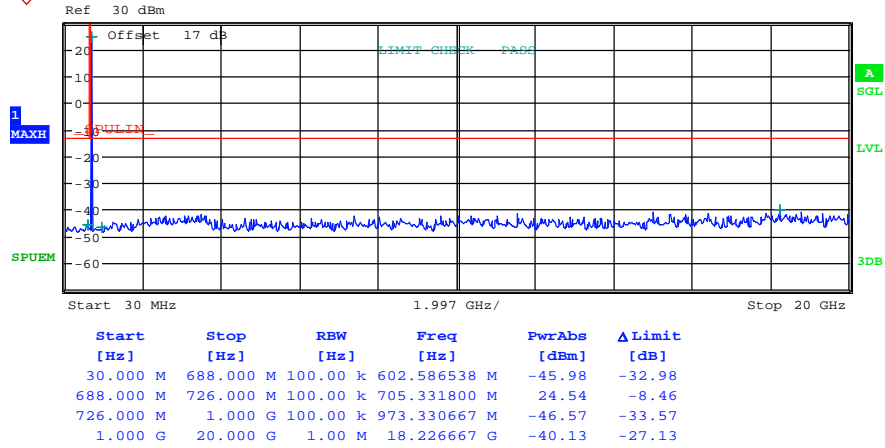


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 5 MHz QPSK



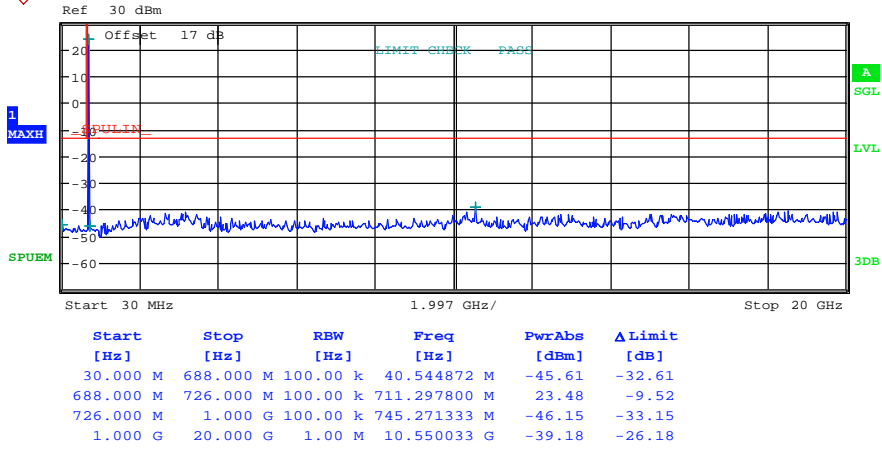
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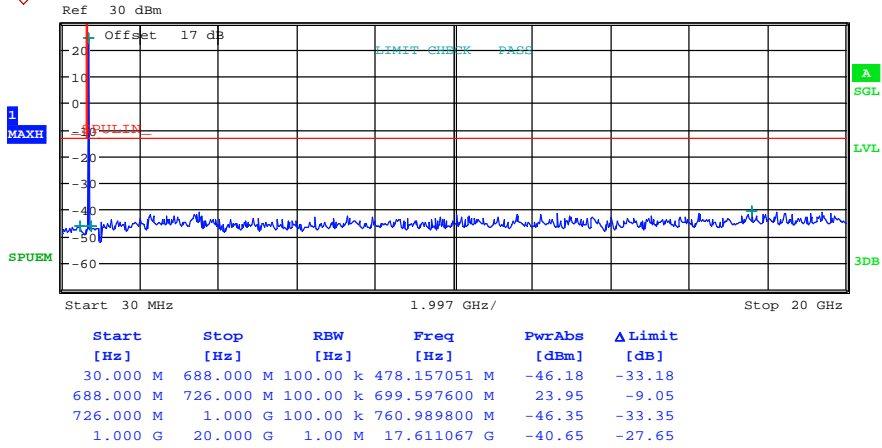


Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1



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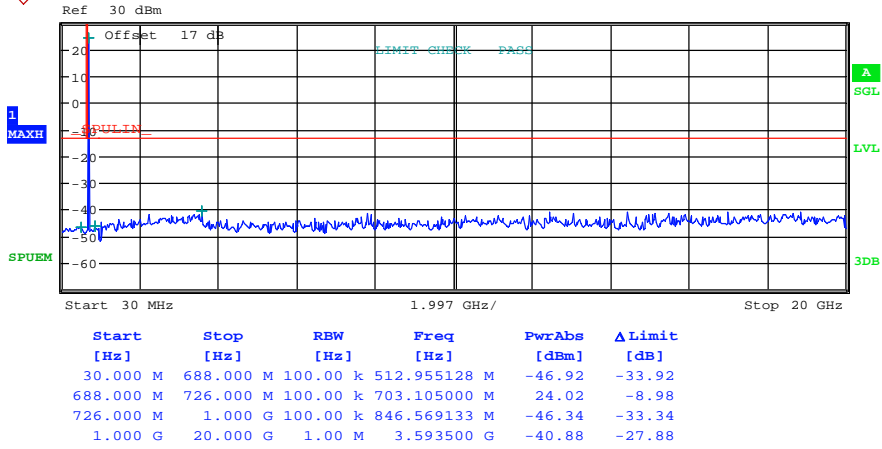
## 10 MHz QPSK



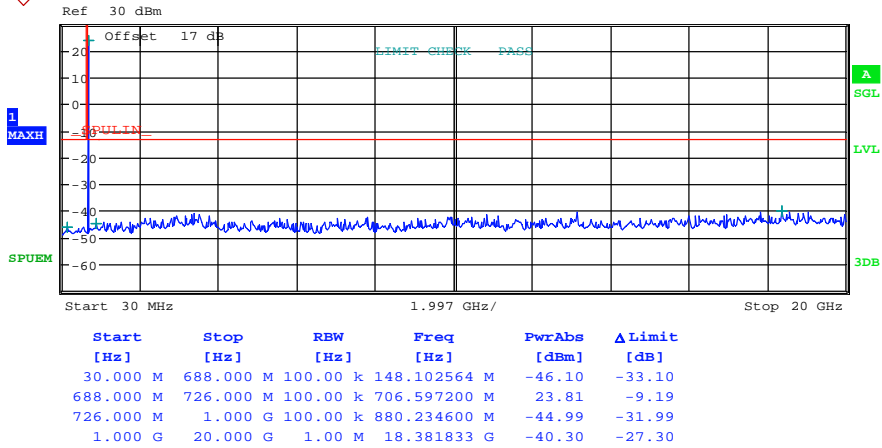
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Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1



Date: 13.DEC.2021 18:04:54



Date: 13.DEC.2021 18:05:40

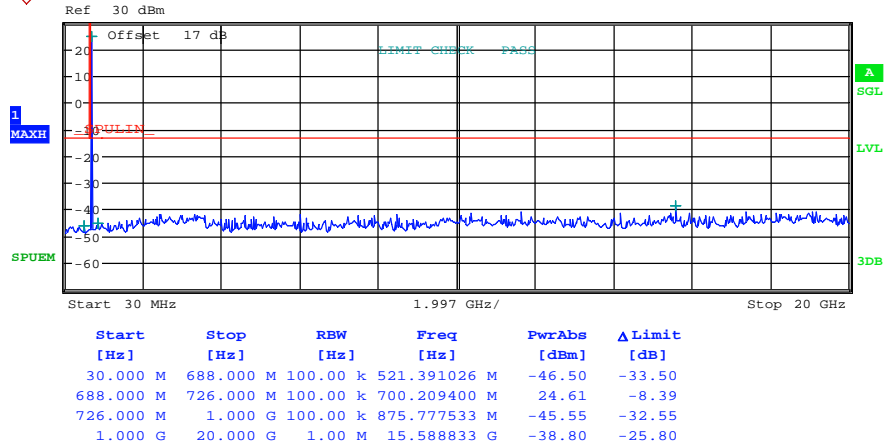


# Worldwide Testing Services(Taiwan) Co., Ltd.

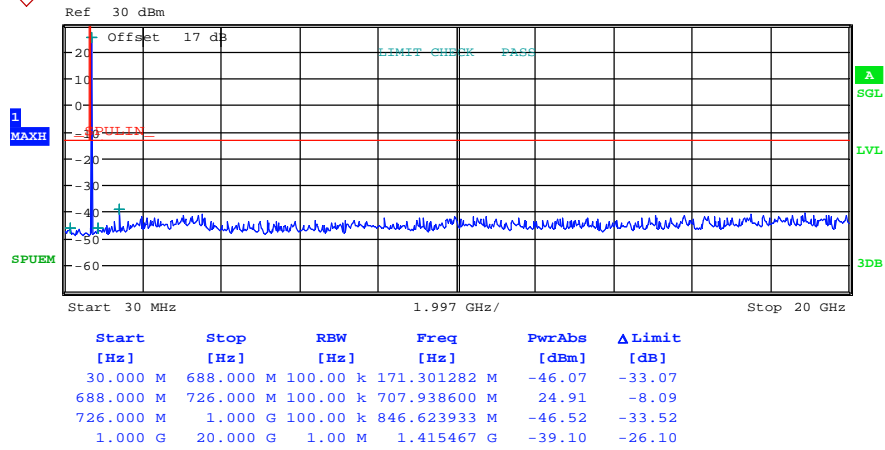
Report Number: W6R22112-21431-P-247

FCC ID: GX9FPHUB3-1

1.4 MHz 16QAM



Date: 13.DEC.2021 18:16:27

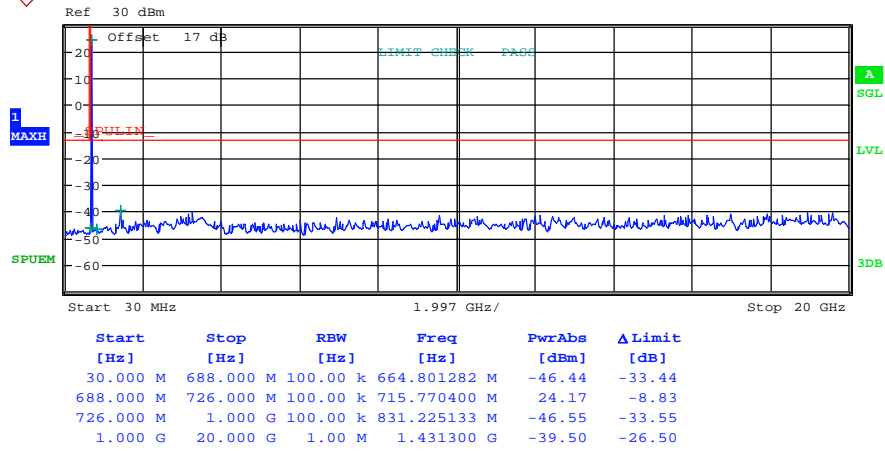


Date: 13.DEC.2021 18:17:09



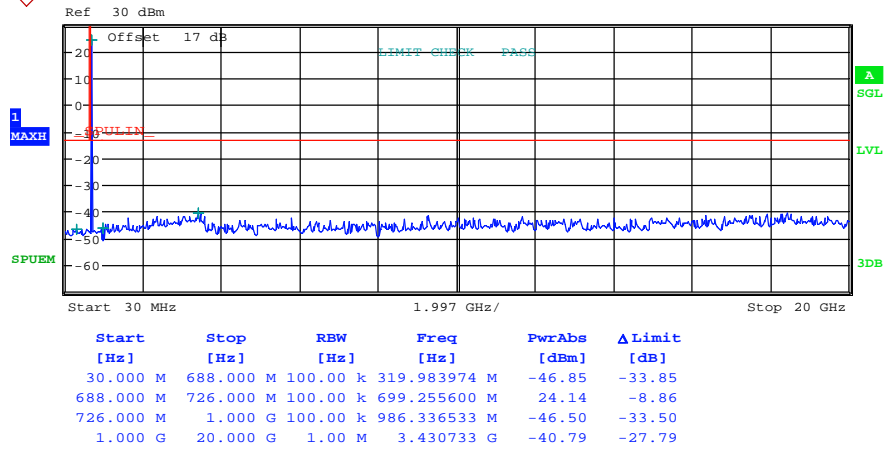


Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1



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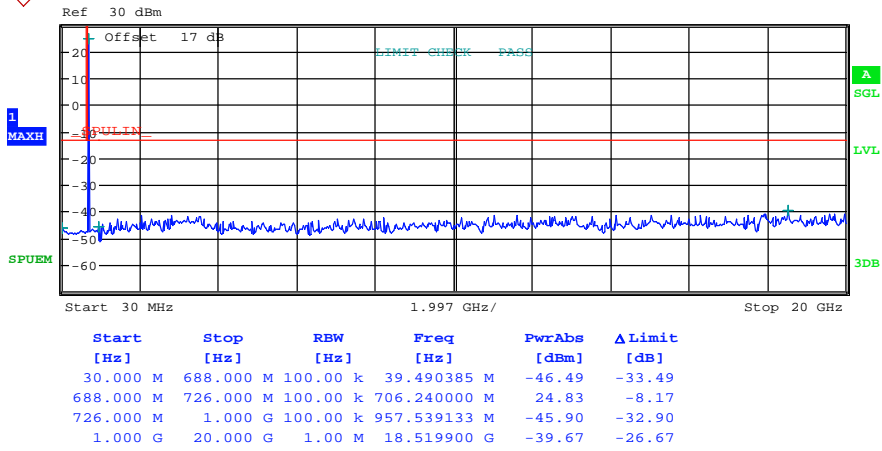
## 3 MHz 16QAM



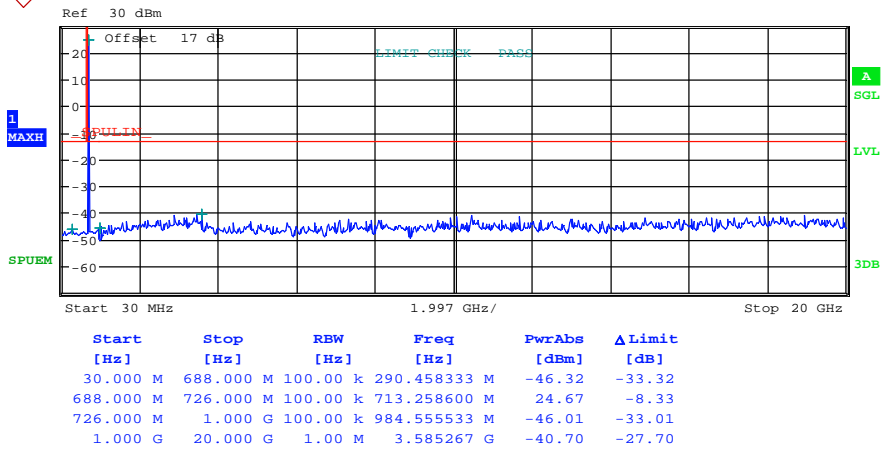
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Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1



Date: 13.DEC.2021 18:11:31

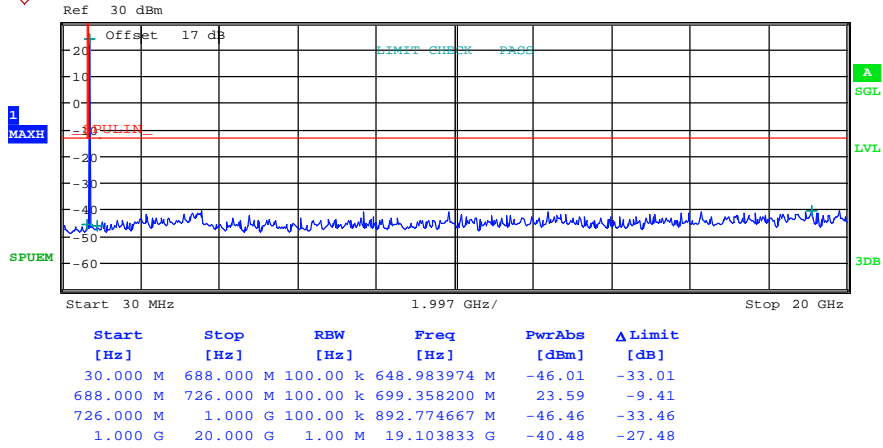


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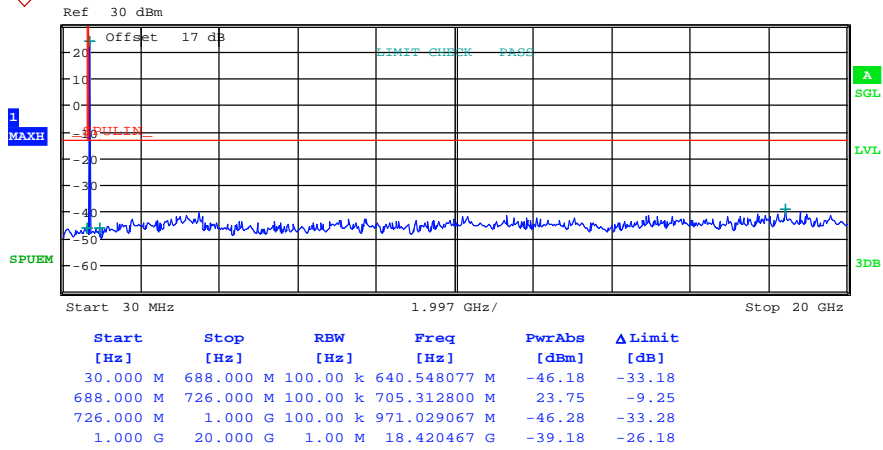


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 5 MHz 16QAM



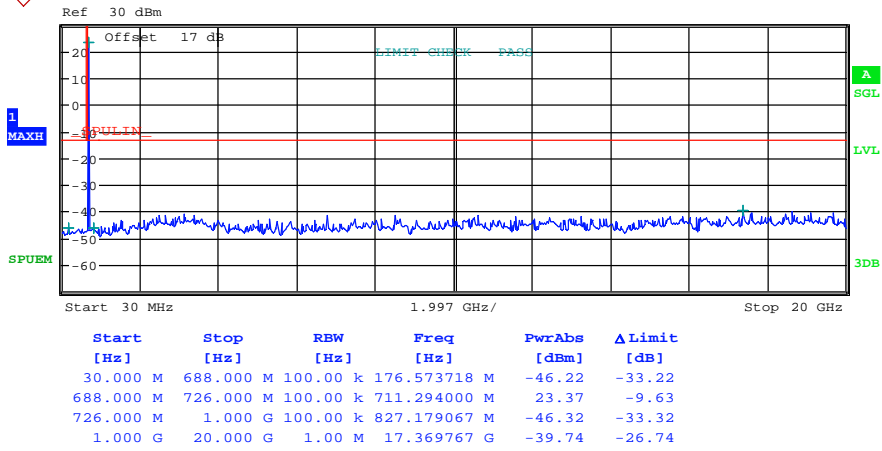
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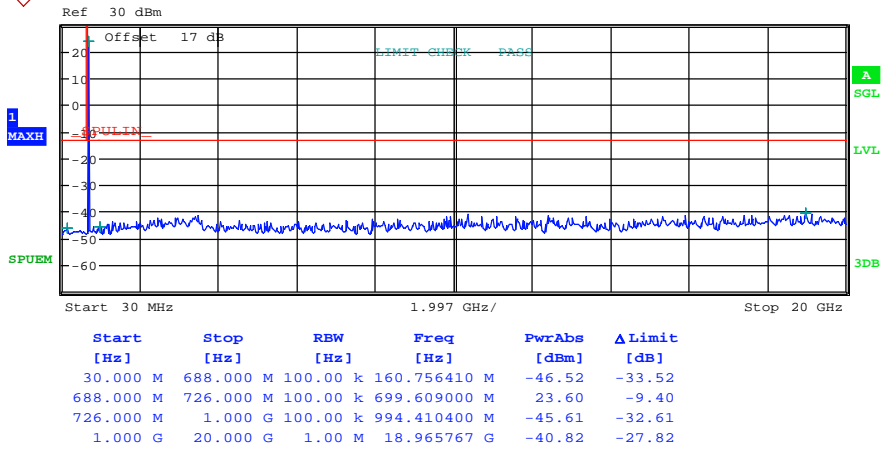


Report Number: W6R22112-21431-P-247  
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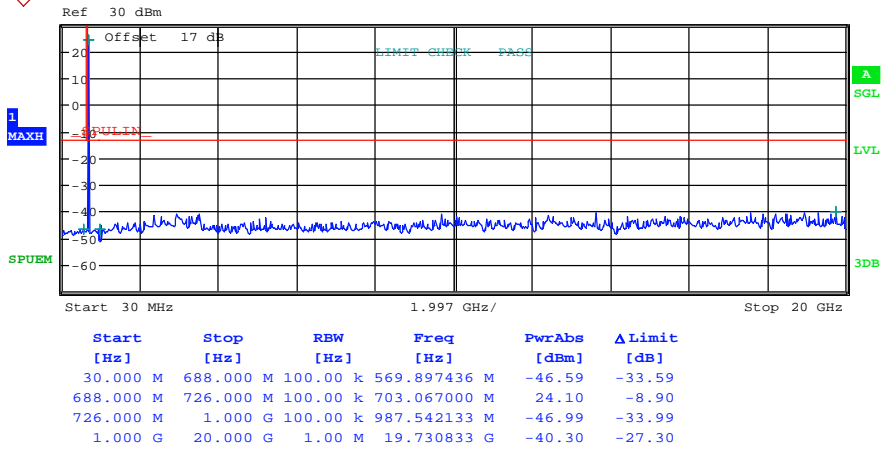
## 10 MHz 16QAM



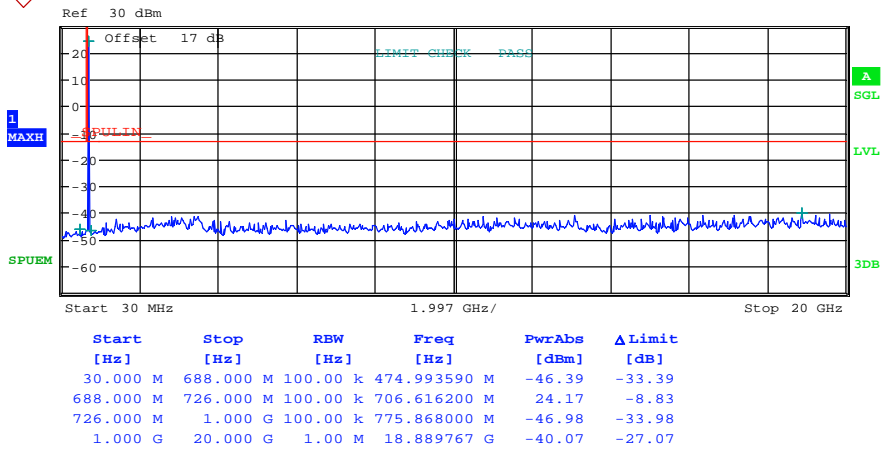
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Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1



Date: 13.DEC.2021 17:59:28



Date: 13.DEC.2021 18:00:14

Test equipment: ETSTW-RE 055, ETSTW-GSM 004, ETSTW-GSM 023



Report Number: W6R22112-21431-P-247

FCC ID: GX9FPHUB3-1

### **7.3 Explanation of test result**

All factors like cable loss and external attenuation etc. are already included in the provided measurement results. This is done by using validated test software and calibrated test system according the accreditation requirements.

### **7.4 Calculation of Limit for Spurious at Antenna Terminals**

Compliance with § 22.917, §24.238, §27.53 requires that any emission be attenuated below the transmitter power at least  $43 + 10 \log P$  (  $P$  = transmitter power in Watts ).

Limit for Spurious Emissions at Antenna Terminals:  $L=P-A=-13\text{dBm}$



Report Number: W6R22112-21431-P-247

FCC ID: GX9FPHUB3-1

**8. Field Strength of Spurious Radiation**

**8.1 Test procedure**

The test procedure for filed strength measurement is same as radiated power except for a notch filter or band pass filter is used to avoid the influence of fundamental to the pre-amplifier. The measurements below 1GHz were performed with a measurement bandwidth of 100kHz, above 1GHz with a bandwidth of 1 MHz.

**8.2 Test Results**

The measurements of the spurious emission are at the upper, center and lower channel.

Model: FPHUB3.1 Date:   
 Mode: Temperature: -- °C Engineer: --   
 Polarization: Horizontal Humidity: -- %

Frequency (MHz)	Reading (dBm) Peak	Factor (dB) Corr.	Result (dBm)	Limit (dBm)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--

Polarization: Vertical

Frequency (MHz)	Reading (dBm) Peak	Factor (dB) Corr.	Result (dBm)	Limit (dBm)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--

- Note**
- 1. Correction Factor = Antenna factor + Cable loss - Preamplifier**
  - 2. The formula of measured value as: Test Result = Reading + Correction Factor**
  - 3. Detector function in the form : PK = Peak, QP = Quasi Peak, AV = Average**
  - 4. All not in the table noted test results are more than 20 dB below the relevant limits.**
  - 5. See attached diagrams in appendix.**

**8.3 Explanation of test result**

Result Level = Reading Level + Corrected Factor  
 Corrected Factor = SG level – Received level-Cable loss + substitution antenna gain

**8.4 Calculation of Limit for Field Strength of Spurious**

Compliance with § 22.917, § 24.238, § 27.53 requires that any emission be attenuated below the transmitter power at least  $43 + 10 \log P$  ( P = transmitter power in Watts ).  
 Limit for Spurious Emissions at Antenna Terminals:  $L=P-A=-13dBm$

Test equipment: ETSTW-RE 004, ETSTW-RE 018, ETSTW-RE 030, ETSTW-RE 062, ETSTW-RE 142, ETSTW-RE 147, ETSTW-GSM 004



Report Number: W6R22112-21431-P-247

FCC ID: GX9FPHUB3-1

## 8.5 Test result of band edge emissions

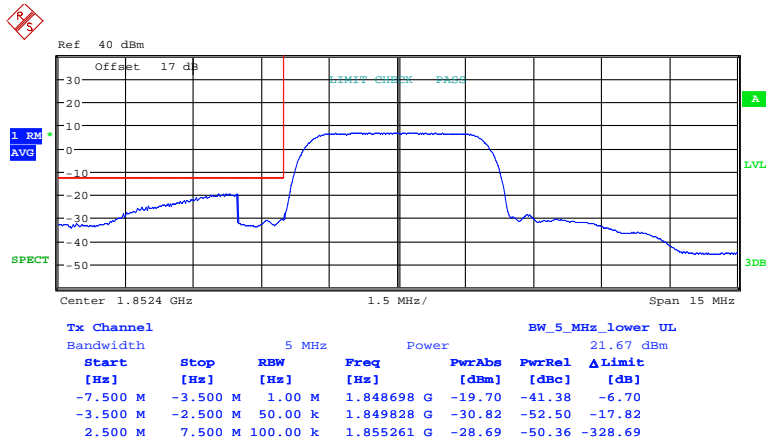
Test date: December 13, 2021

Temperature: 22.1 °C

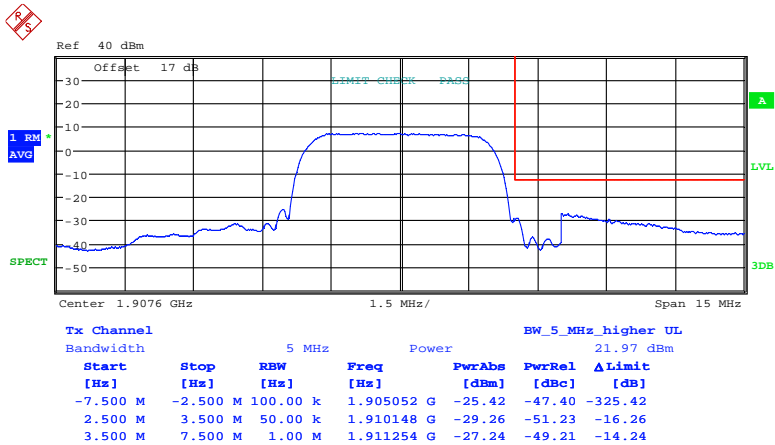
Humidity: 58.0%

Tester: Sora

WCDMA  
Band 2



Date: 13.DEC.2021 11:54:01

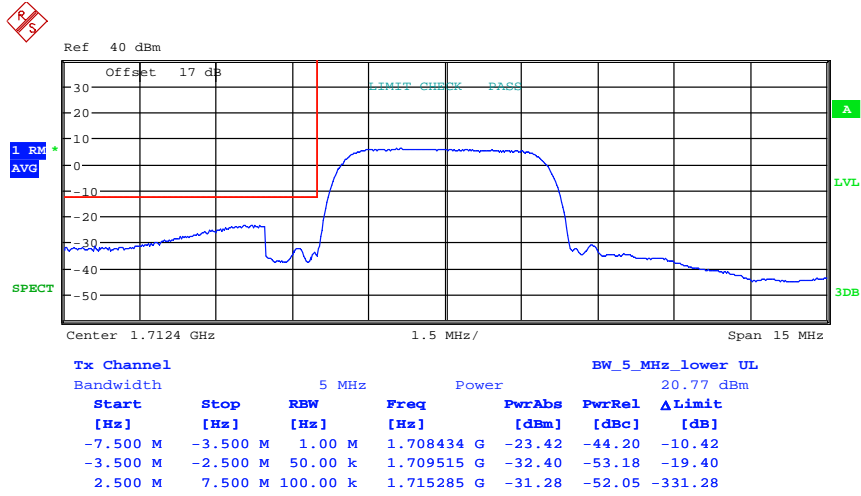


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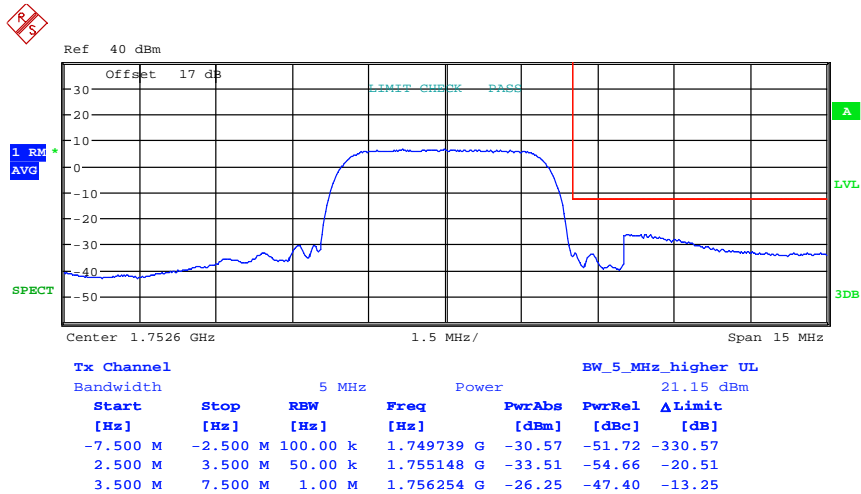




Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 Band 4



Date: 13.DEC.2021 11:55:58

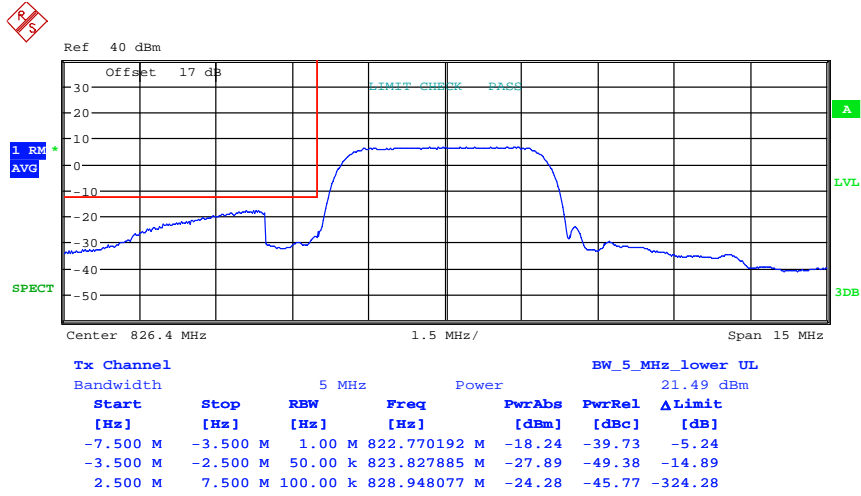


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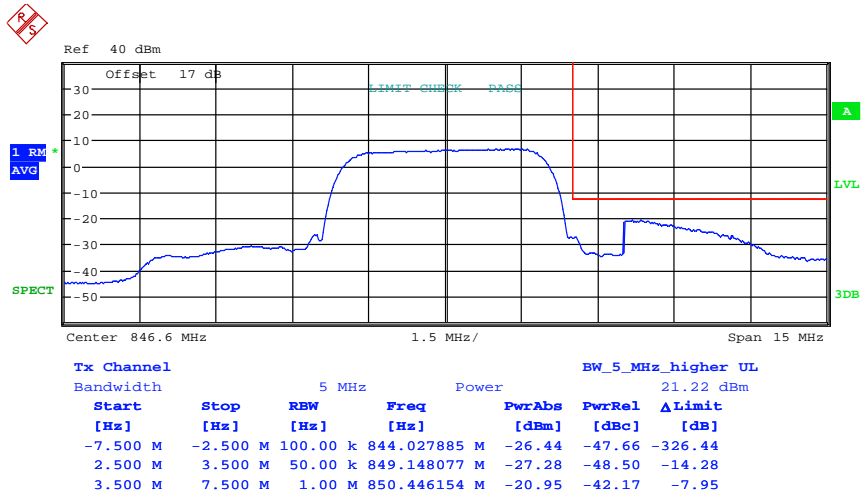


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 Band 5



Date: 13.DEC.2021 11:51:58

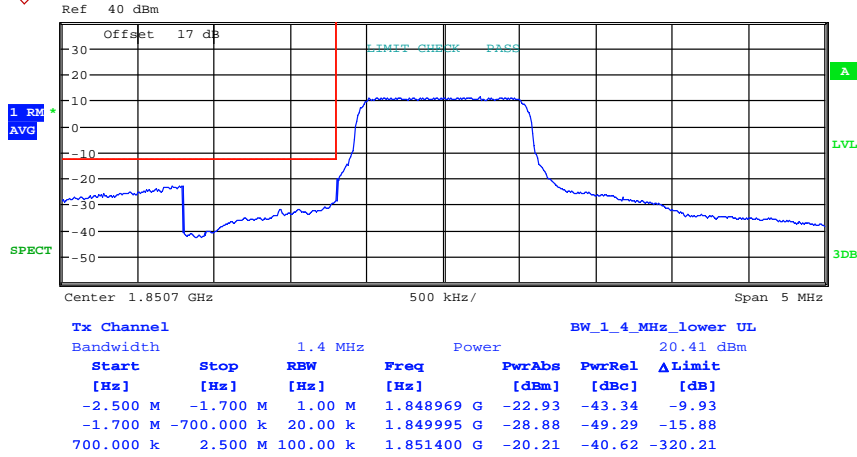


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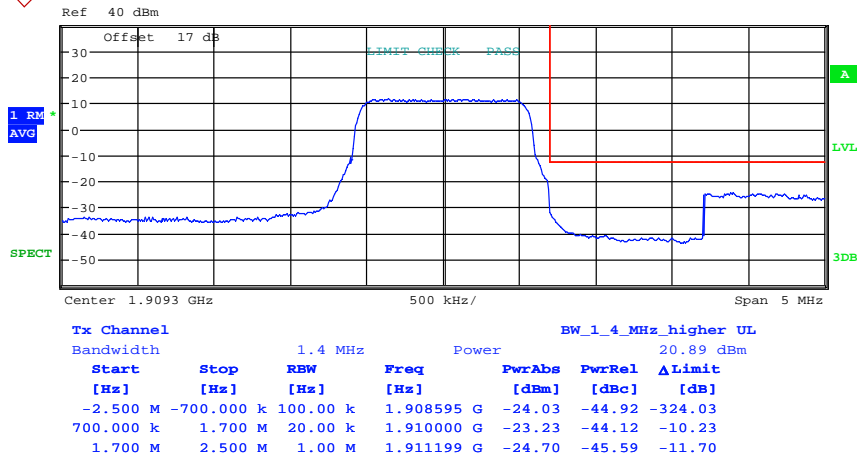


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 LTE  
 Band 2  
 1.4 MHz QPSK  
 FRB



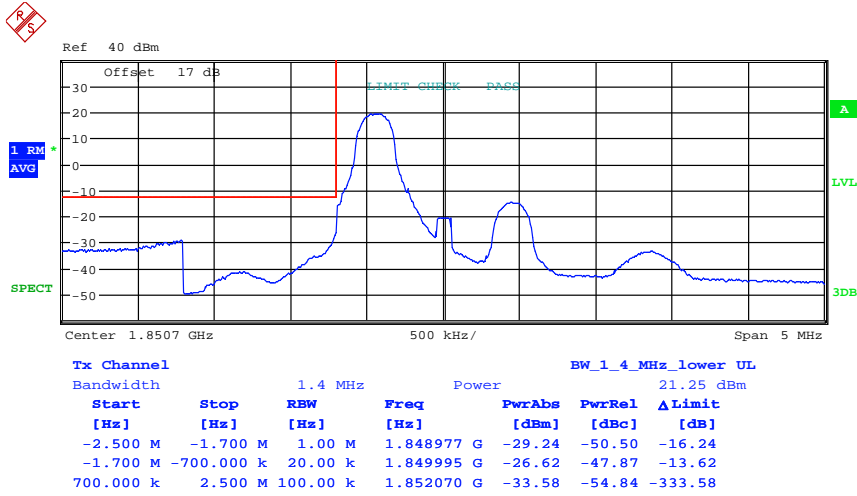
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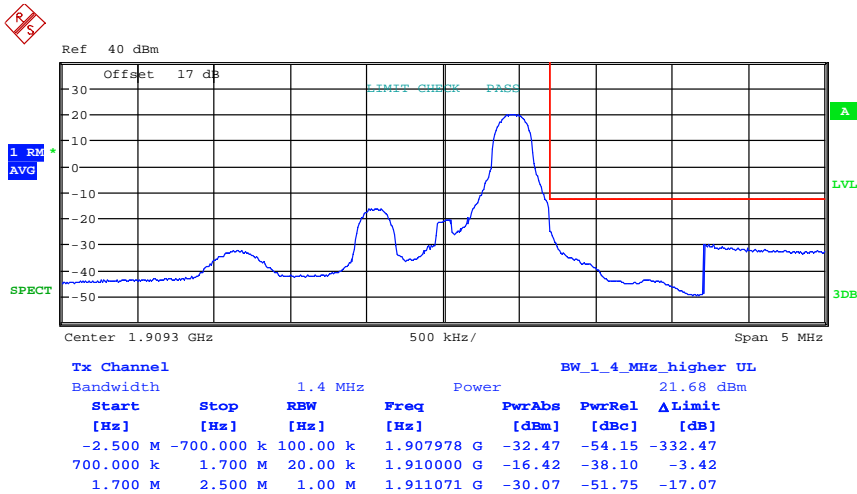
Date: 13.DEC.2021 13:06:32



Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 1RB



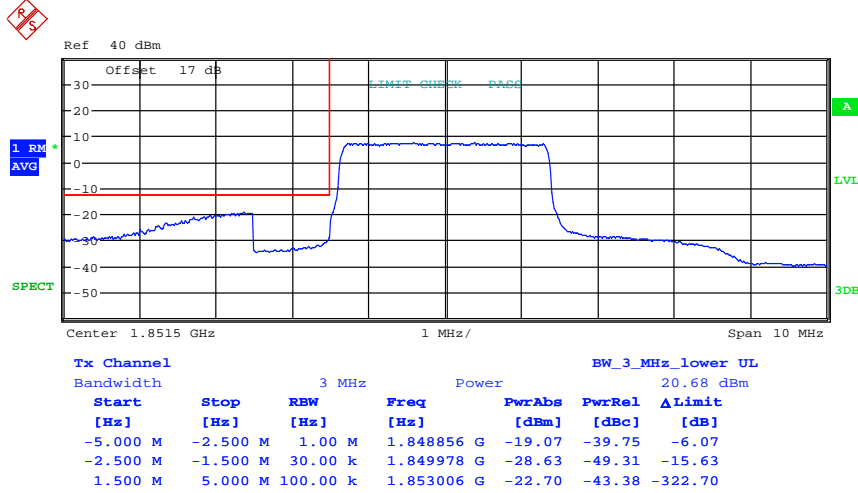
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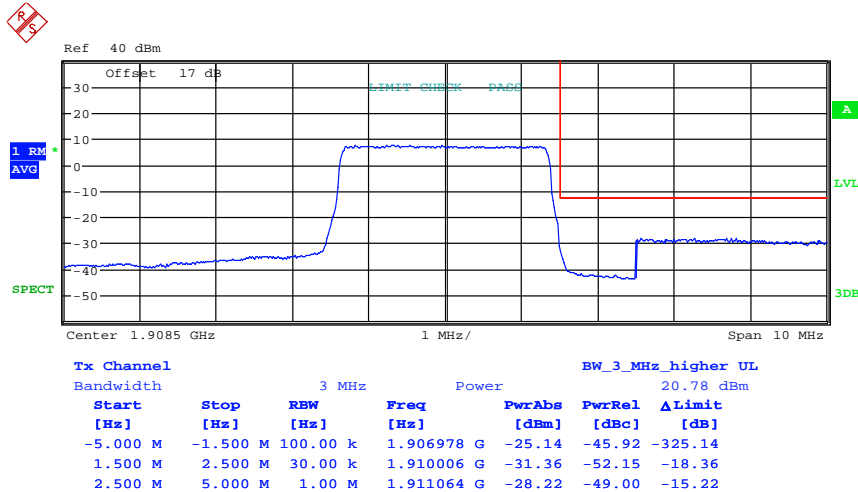
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Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 3 MHz QPSK  
 FRB



Date: 13.DEC.2021 13:10:00

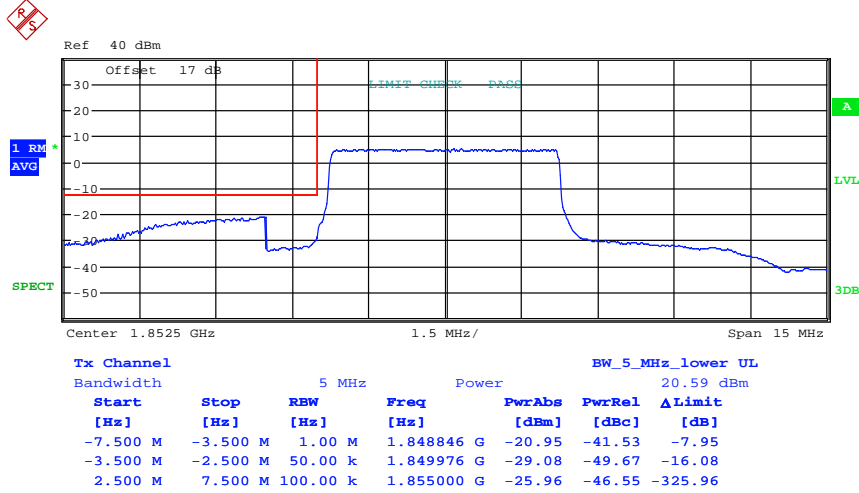


Date: 13.DEC.2021 13:13:18

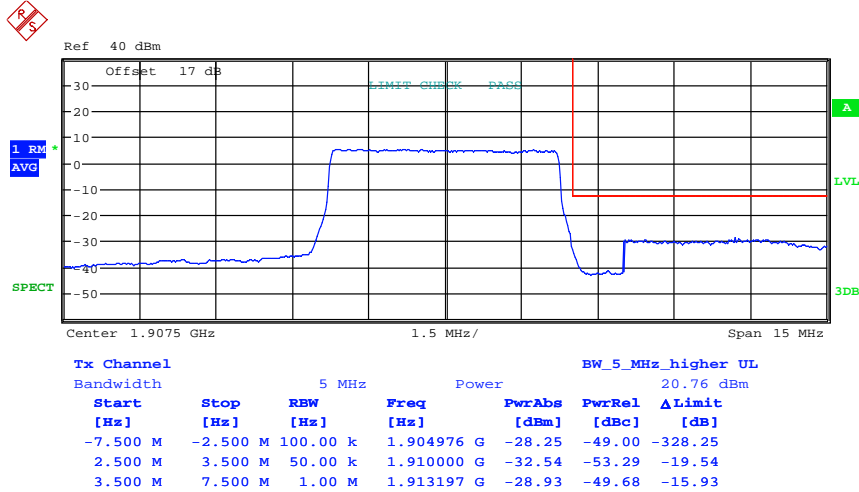




Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 5 MHz QPSK  
 FRB



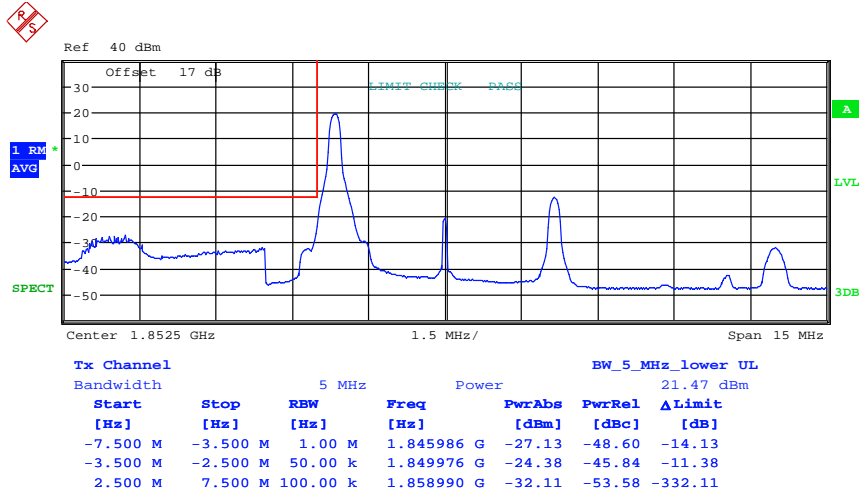
Date: 13.DEC.2021 13:16:55



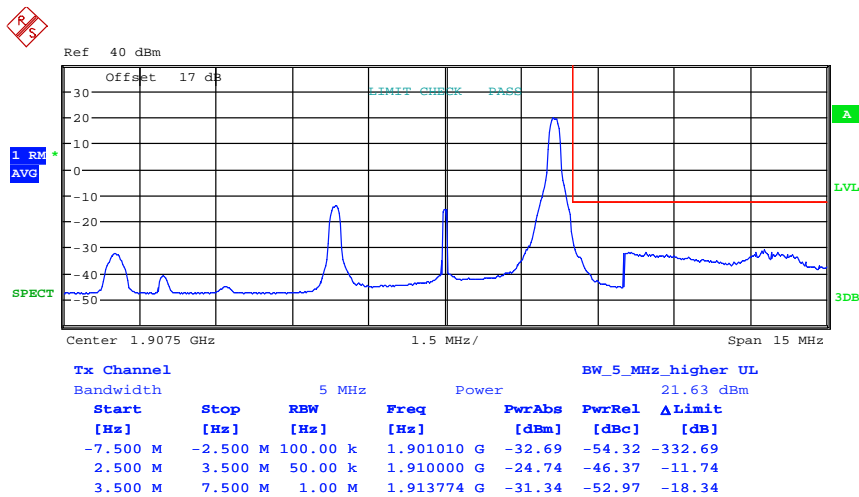
Date: 13.DEC.2021 13:19:56



Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 1RB



Date: 13.DEC.2021 13:17:21

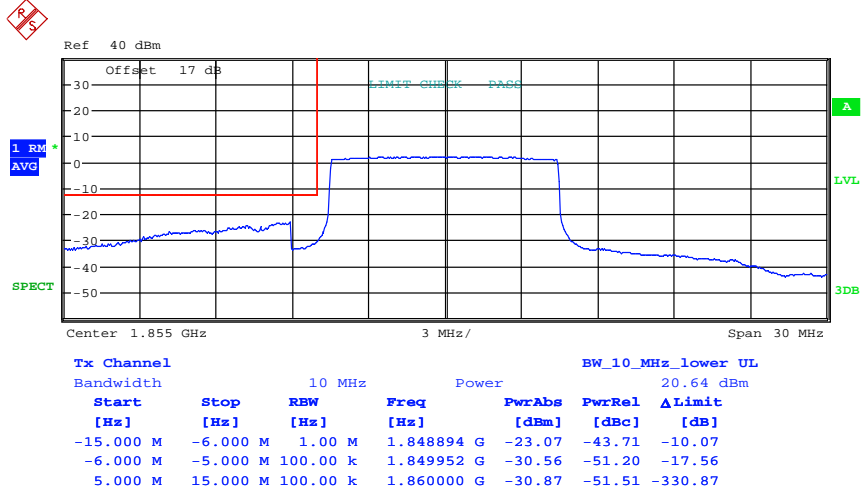


Date: 13.DEC.2021 13:19:24

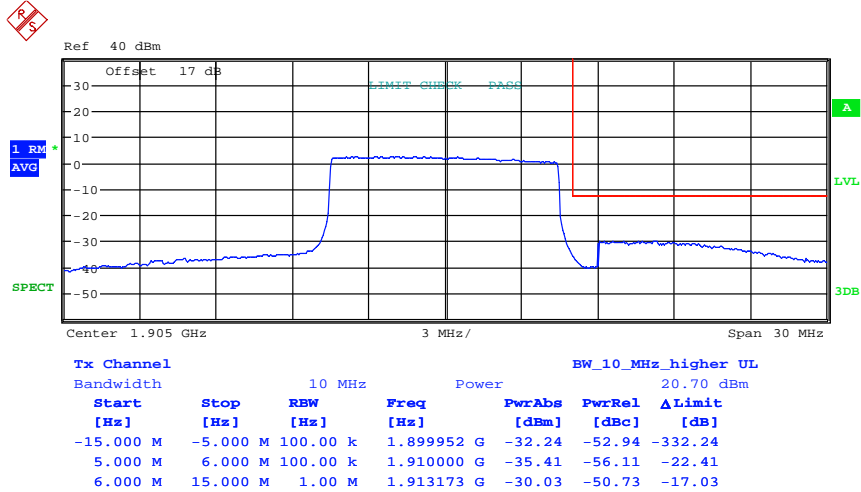




Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 10 MHz QPSK  
 FRB



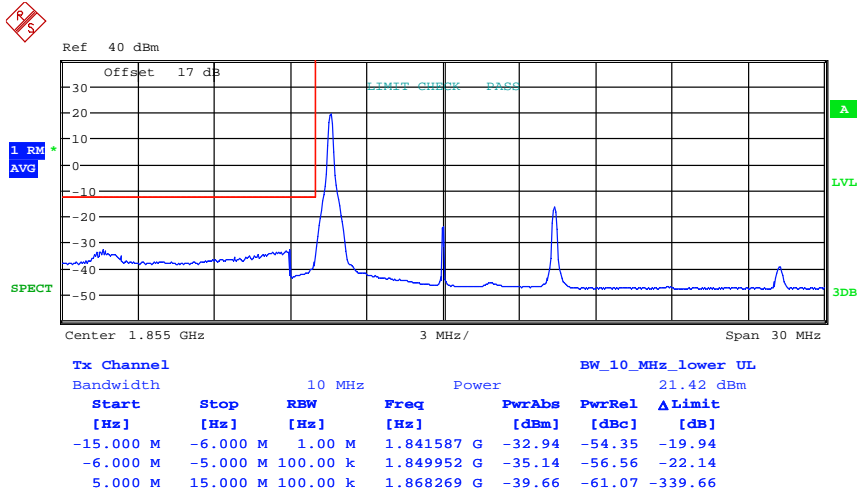
Date: 13.DEC.2021 13:22:07



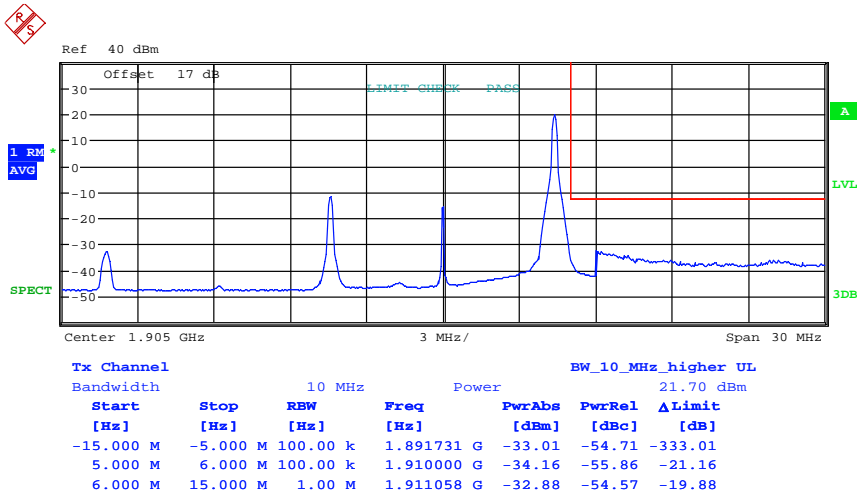
Date: 13.DEC.2021 13:25:30



Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 1RB



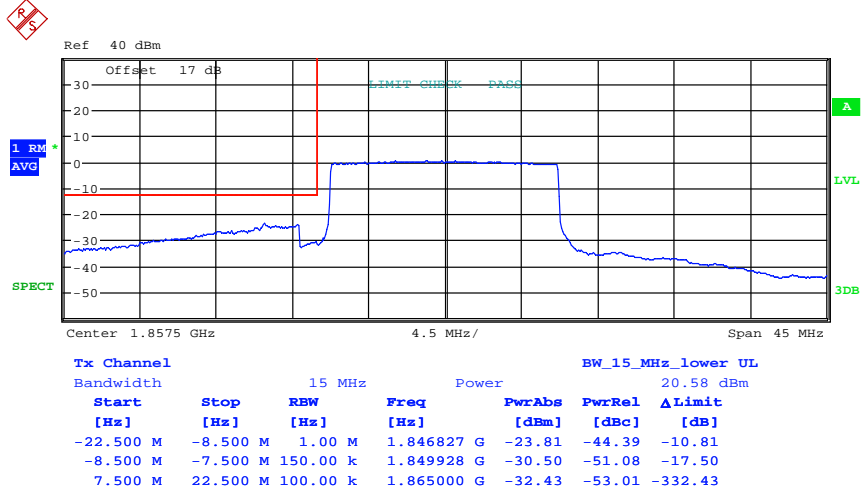
Date: 13.DEC.2021 13:22:39



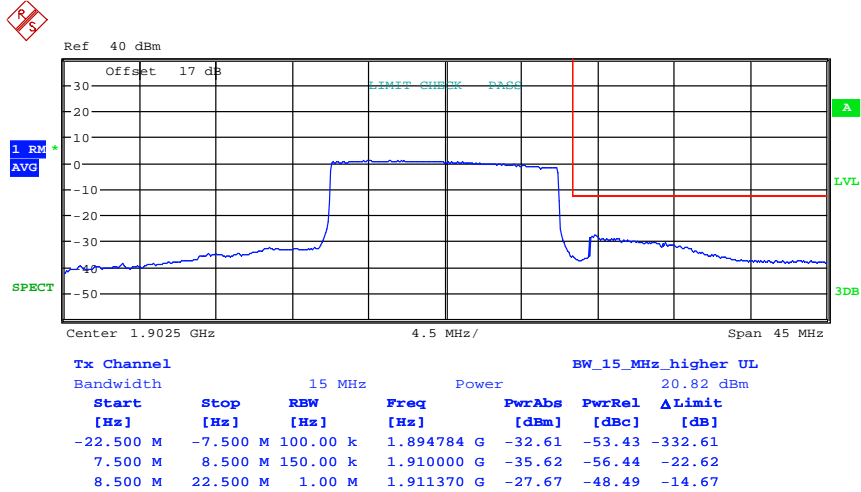
Date: 13.DEC.2021 13:24:56



Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 15 MHz QPSK  
 FRB



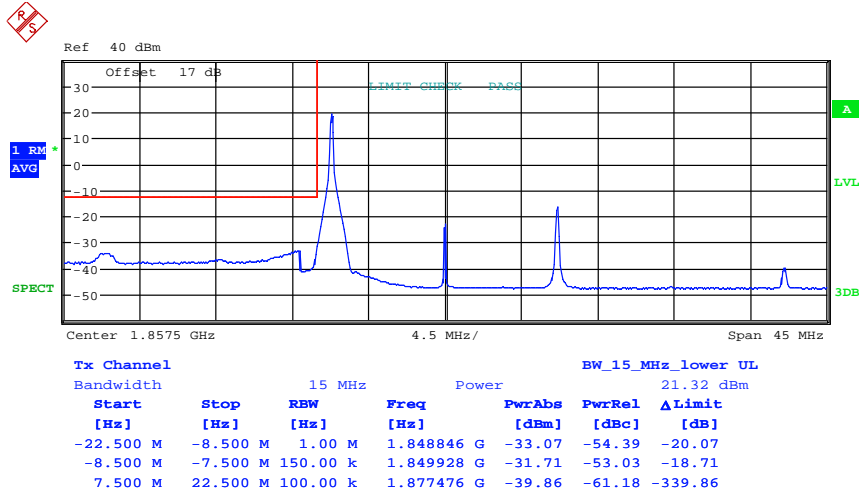
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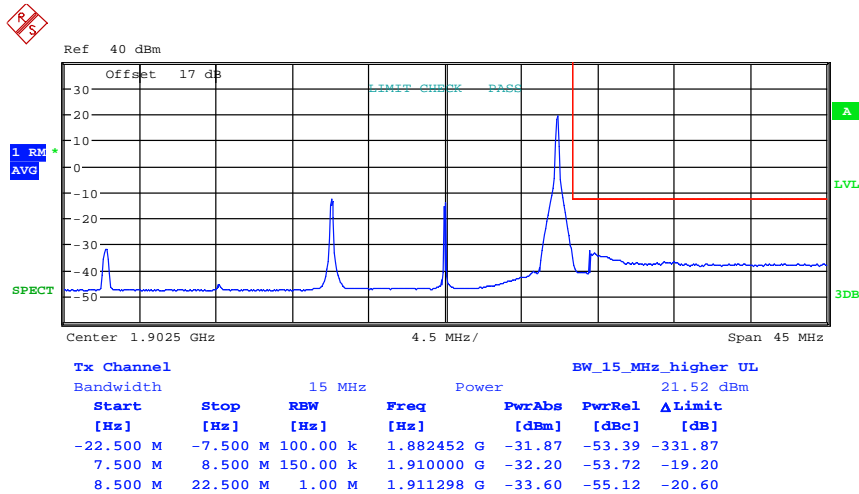
Date: 13.DEC.2021 13:26:53



Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 1RB



Date: 13.DEC.2021 13:29:45

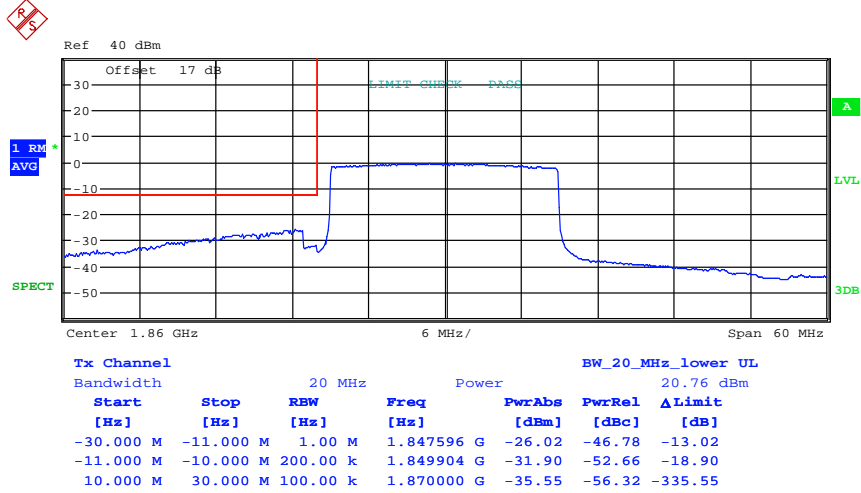


Date: 13.DEC.2021 13:27:35

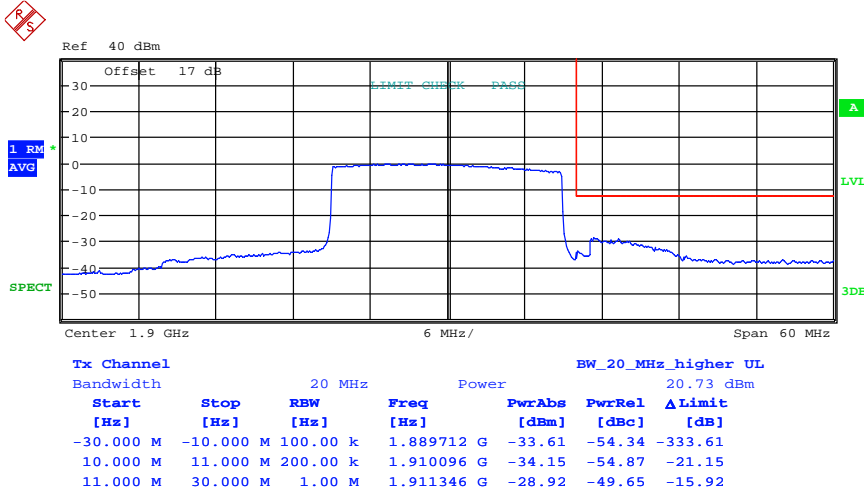


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 20 MHz QPSK  
 FRB



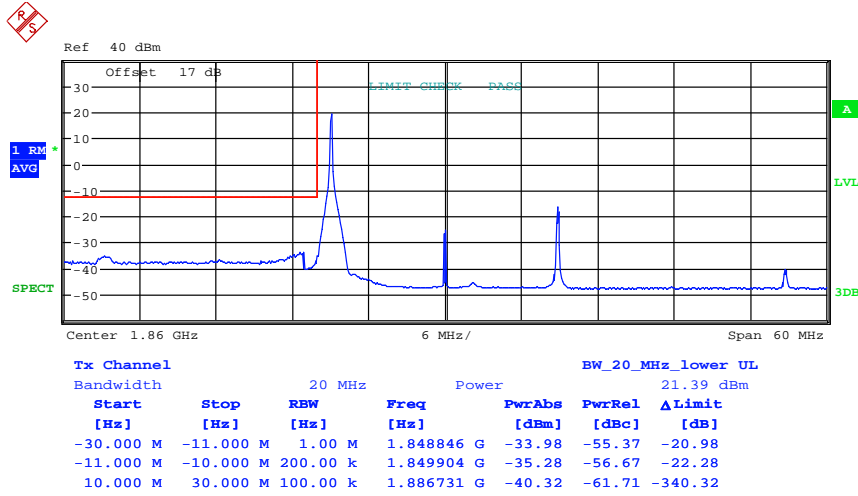
Date: 13.DEC.2021 13:35:17



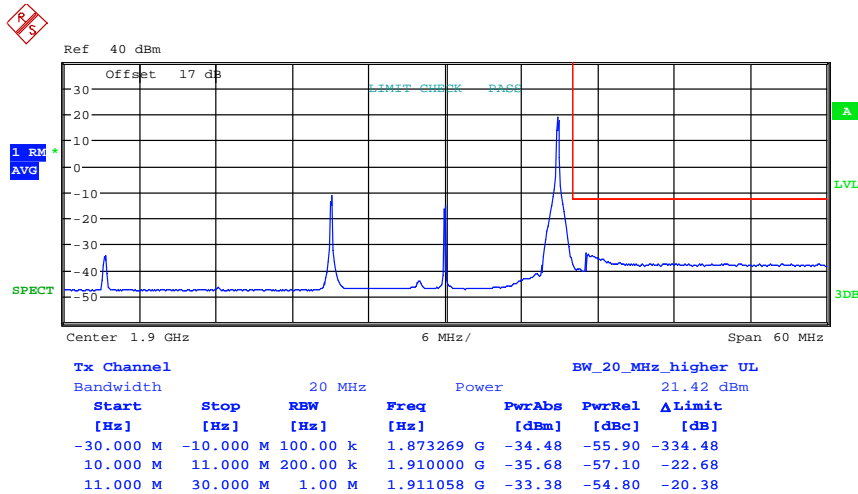
Date: 13.DEC.2021 13:40:03



Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 1RB



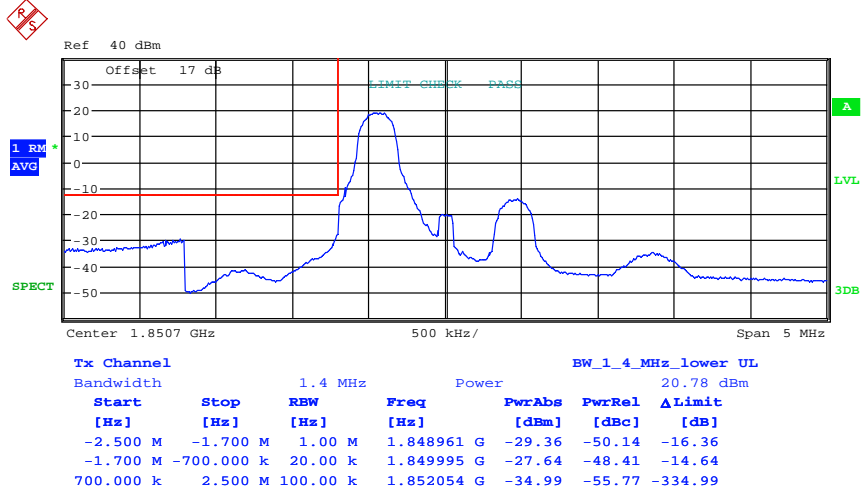
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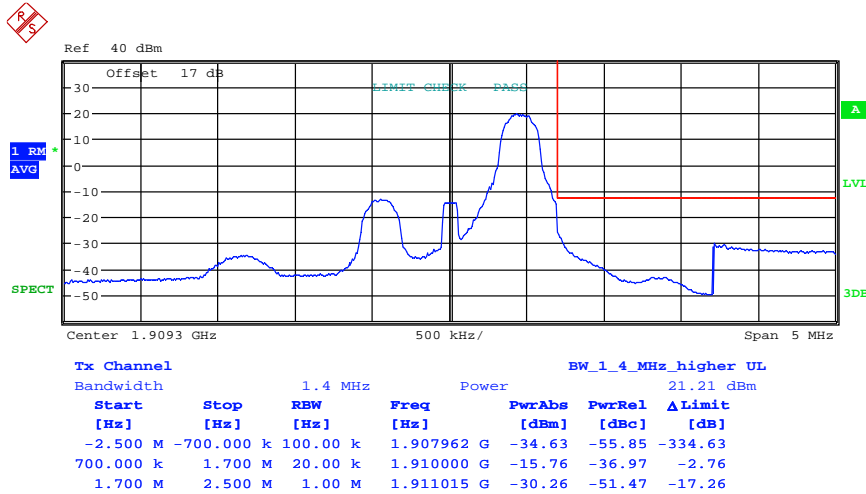
Date: 13.DEC.2021 13:38:58



Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 1.4 MHz 16QAM  
 1RB



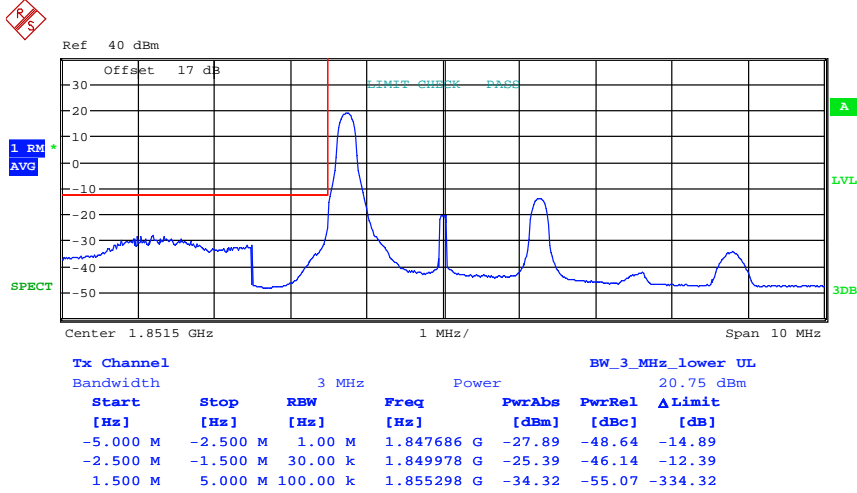
Date: 13.DEC.2021 12:07:34



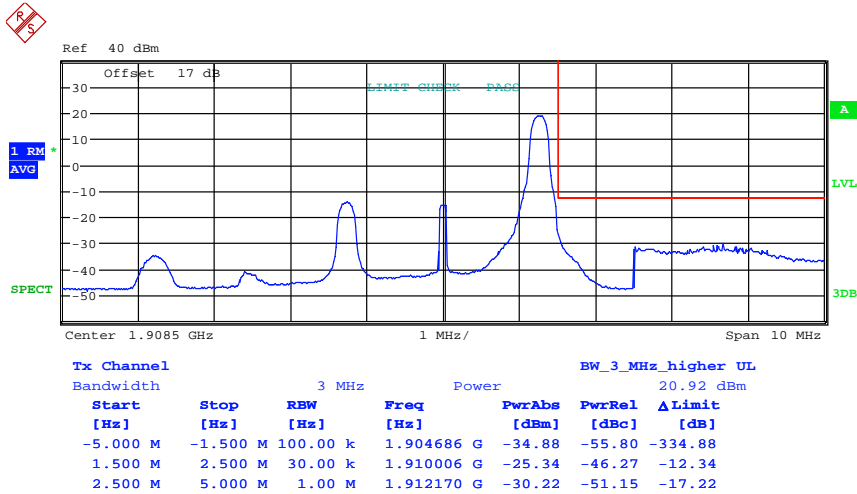
Date: 13.DEC.2021 13:05:20



Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 3 MHz 16QAM  
 1RB



Date: 13.DEC.2021 13:11:04

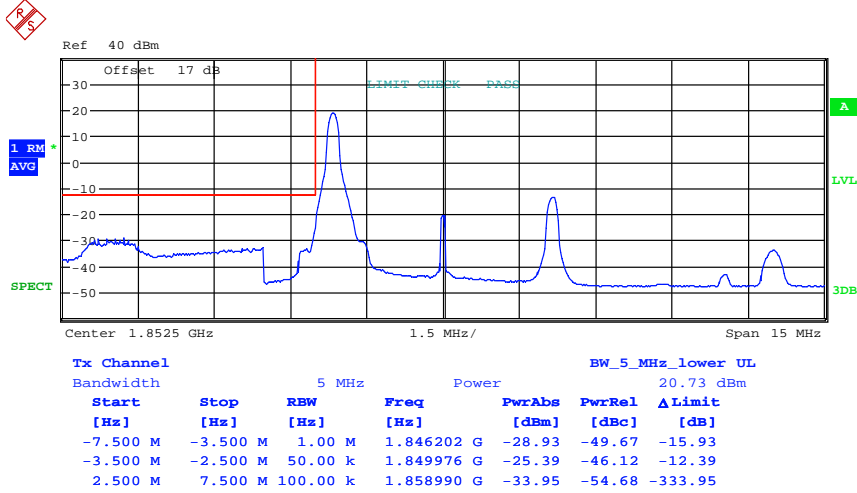


Date: 13.DEC.2021 13:12:17

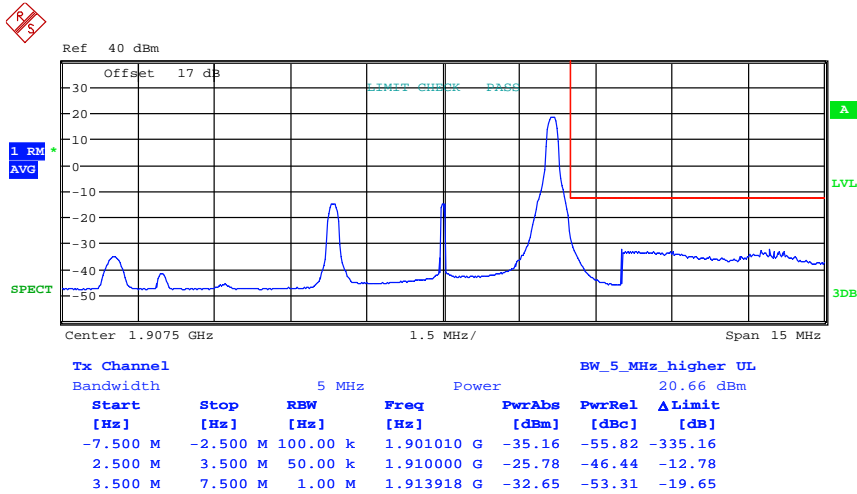




Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 5 MHz 16QAM  
 1RB



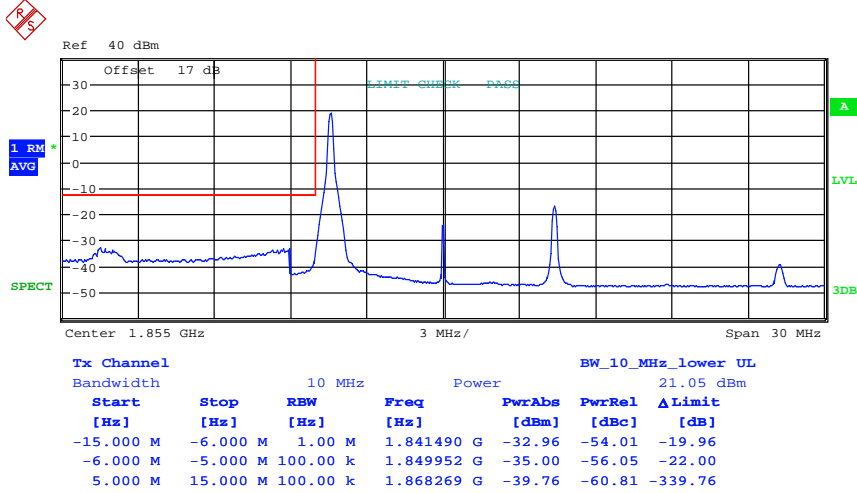
Date: 13.DEC.2021 13:17:51



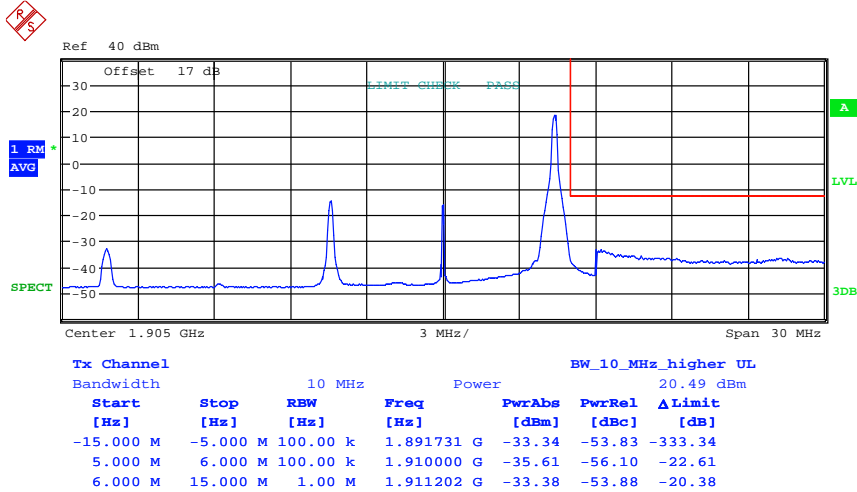
Date: 13.DEC.2021 13:18:47



Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 10 MHz 16QAM  
 1RB



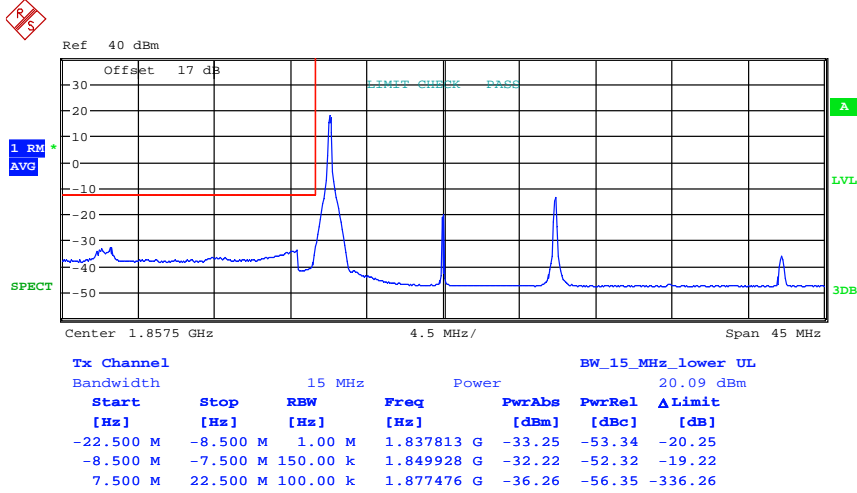
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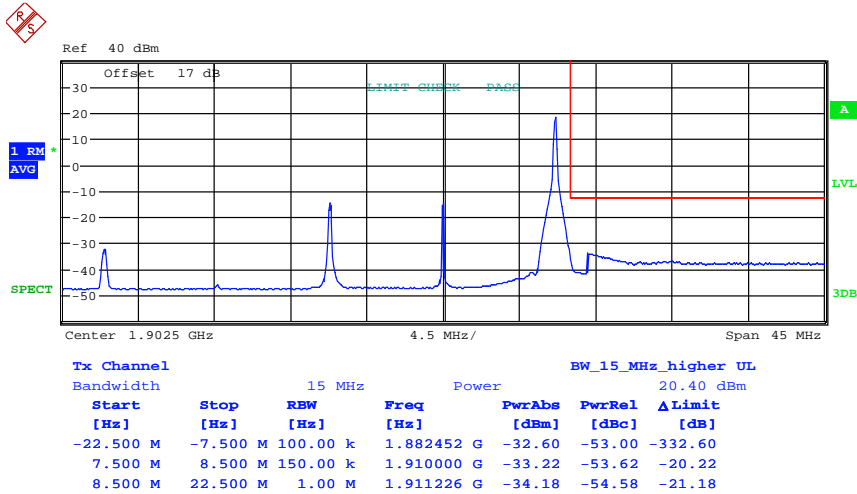
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Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 15 MHz 16QAM  
 1RB



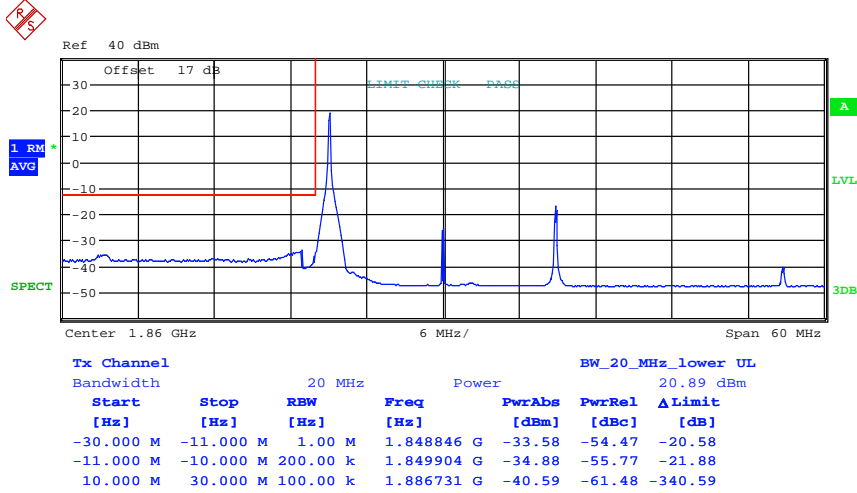
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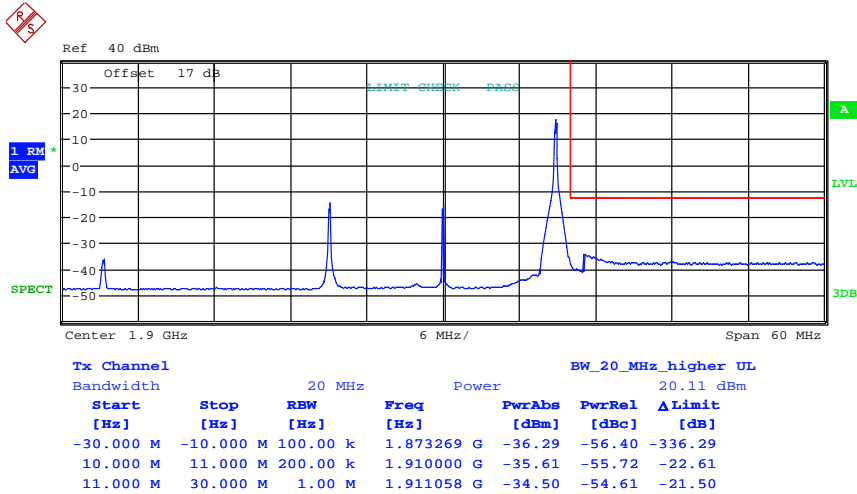
Date: 13.DEC.2021 13:28:10



Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
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 1RB



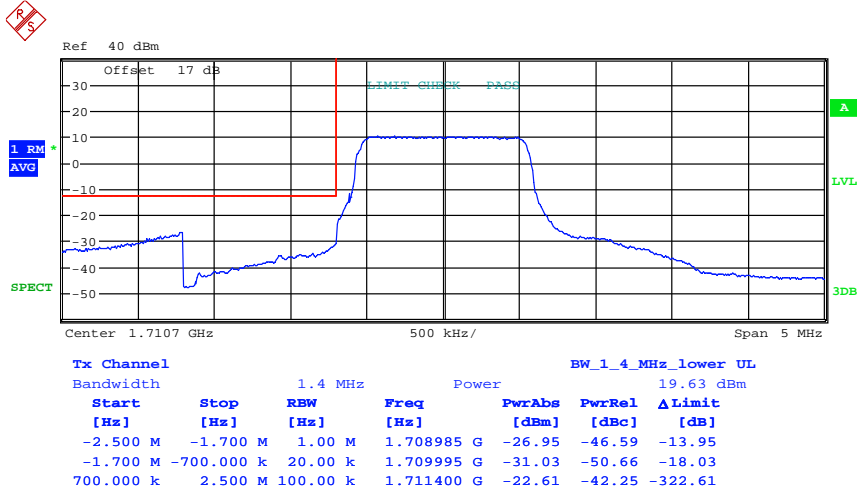
Date: 13.DEC.2021 13:36:15



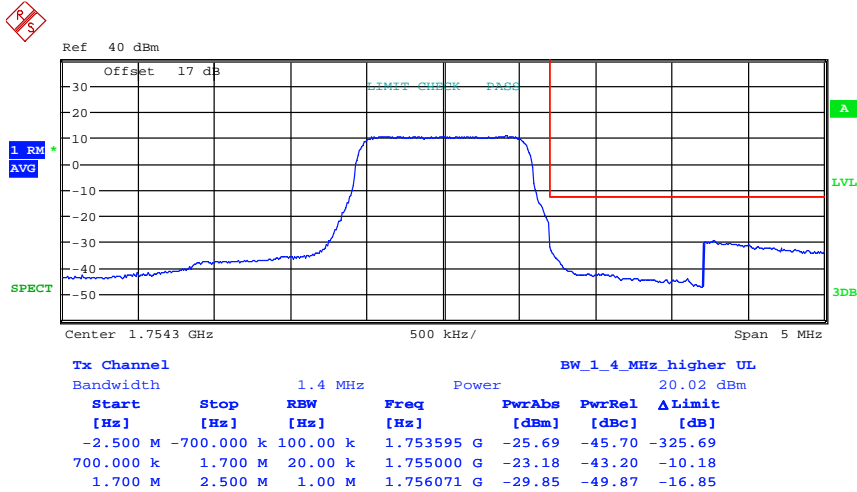
Date: 13.DEC.2021 13:37:15



Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 Band 4  
 1.4 MHz QPSK  
 FRB



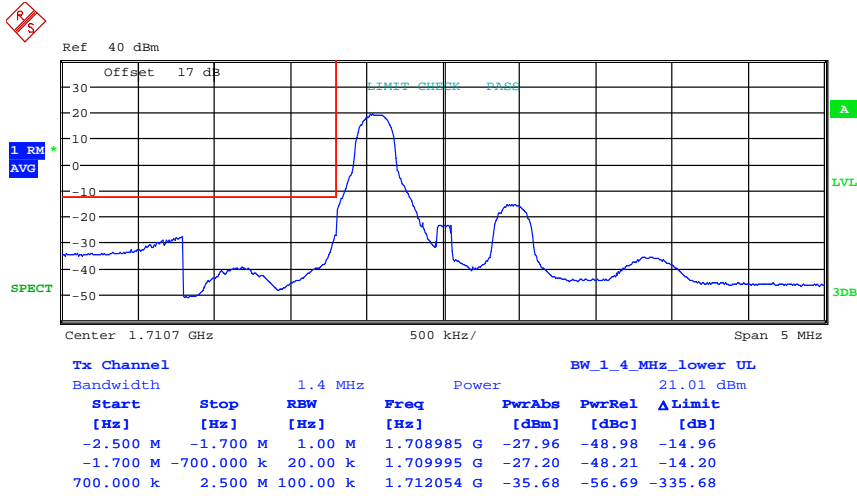
Date: 13.DEC.2021 14:43:50



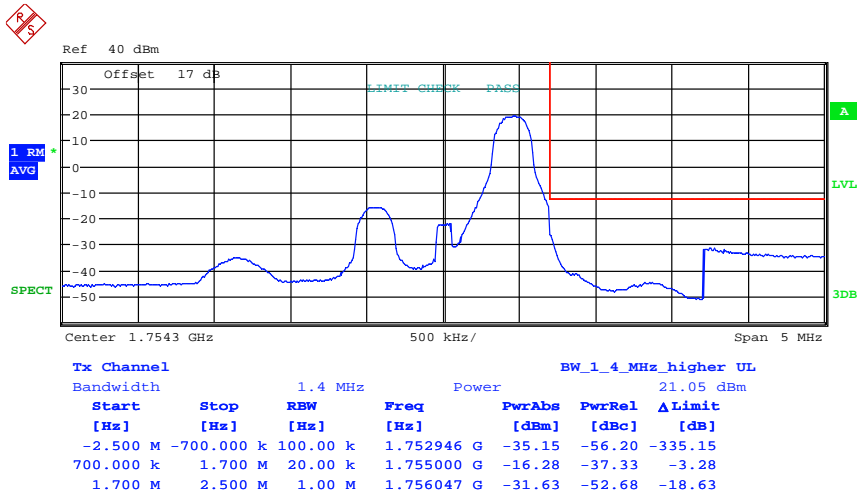
Date: 13.DEC.2021 14:39:49



Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 1RB



Date: 13.DEC.2021 14:43:08

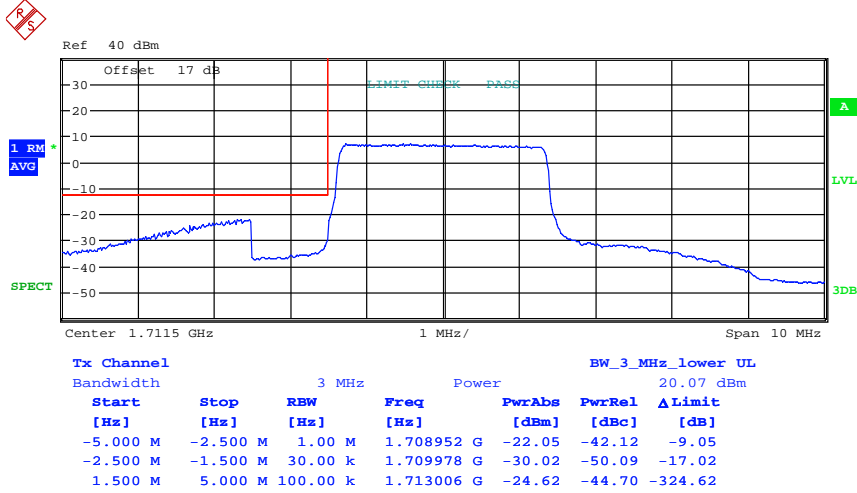


Date: 13.DEC.2021 14:40:18

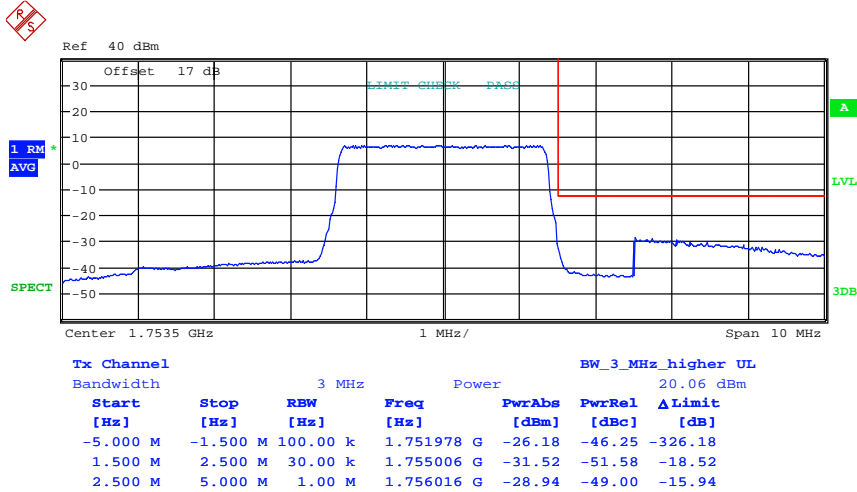


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 3 MHz QPSK  
 FRB



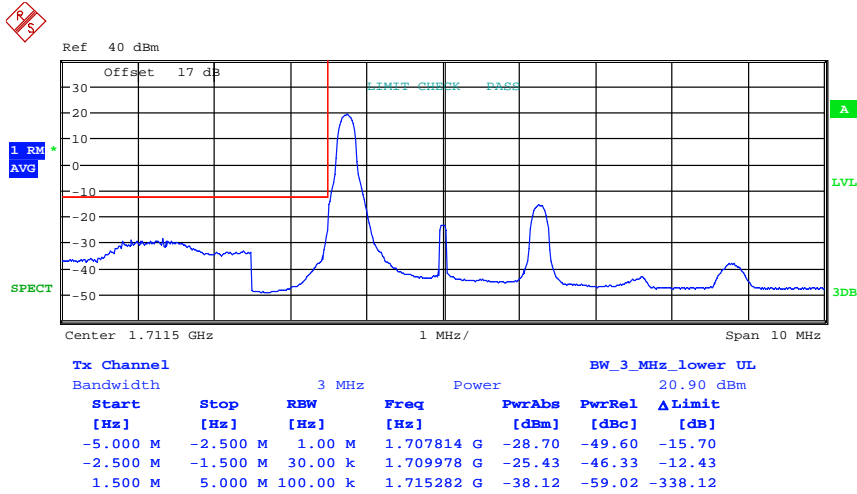
Date: 13.DEC.2021 14:34:22



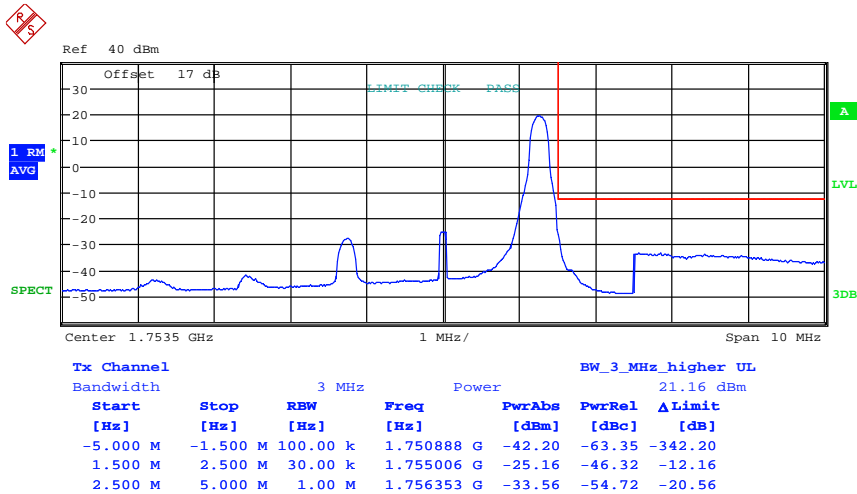
Date: 13.DEC.2021 14:37:53



Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 1RB



Date: 13.DEC.2021 14:34:54

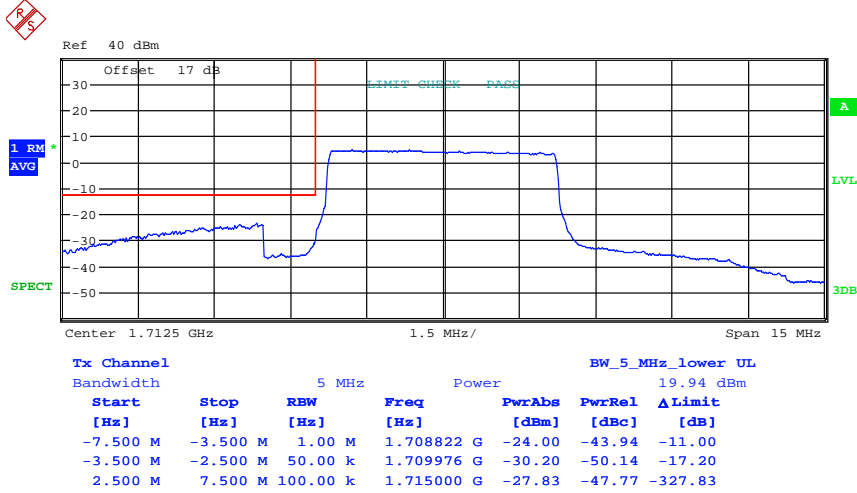


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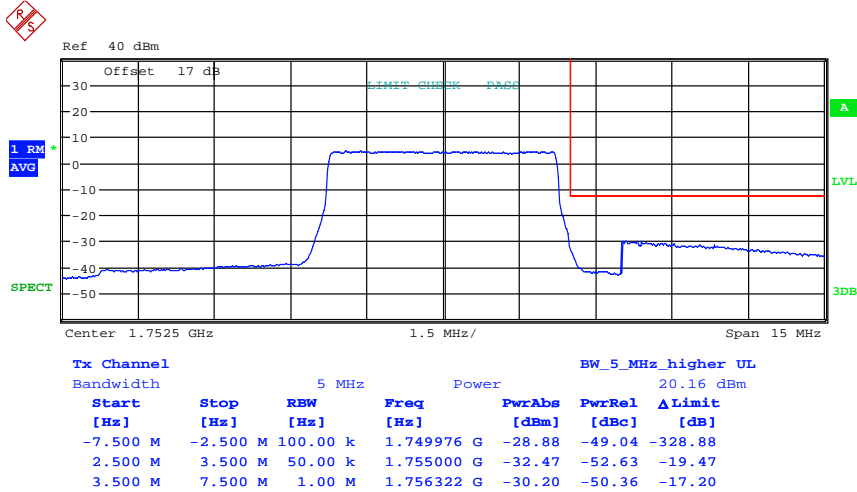




Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 5 MHz QPSK  
 FRB



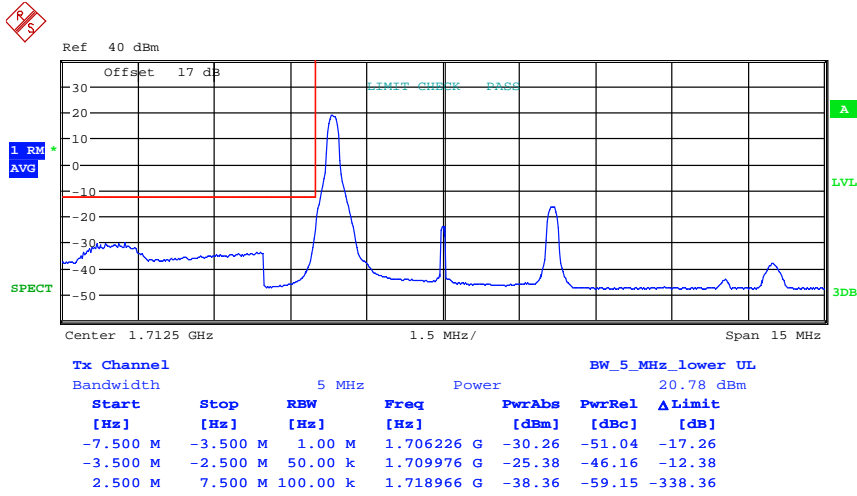
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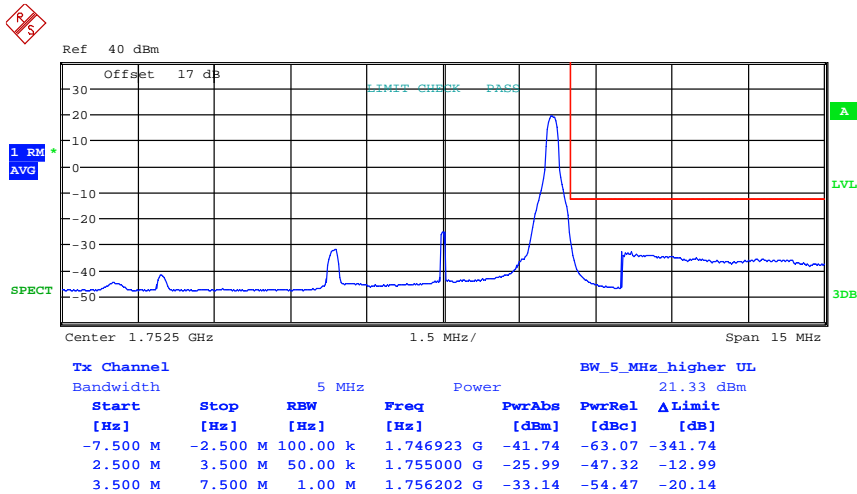
Date: 13.DEC.2021 14:28:29



Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 1RB



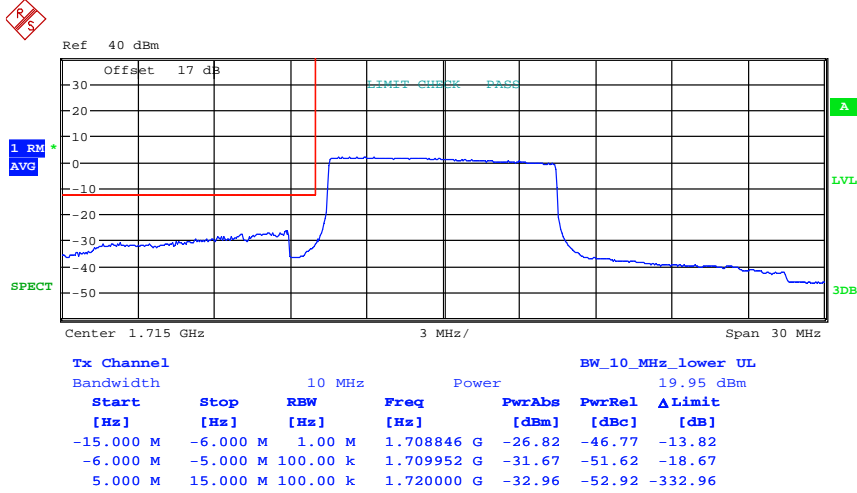
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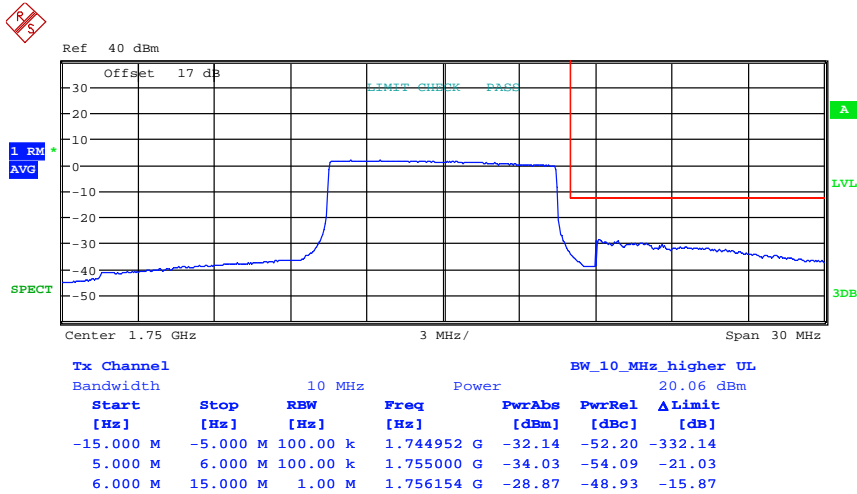
Date: 13.DEC.2021 14:27:57



Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 10 MHz QPSK  
 FRB



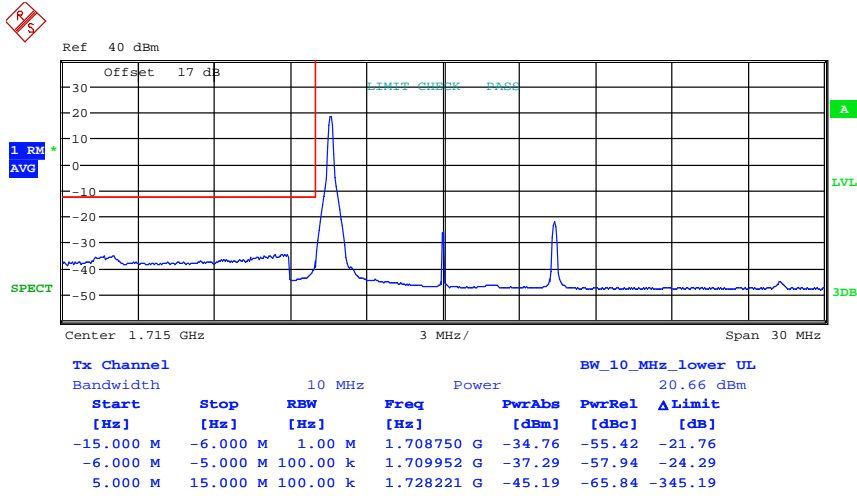
Date: 13.DEC.2021 14:16:30



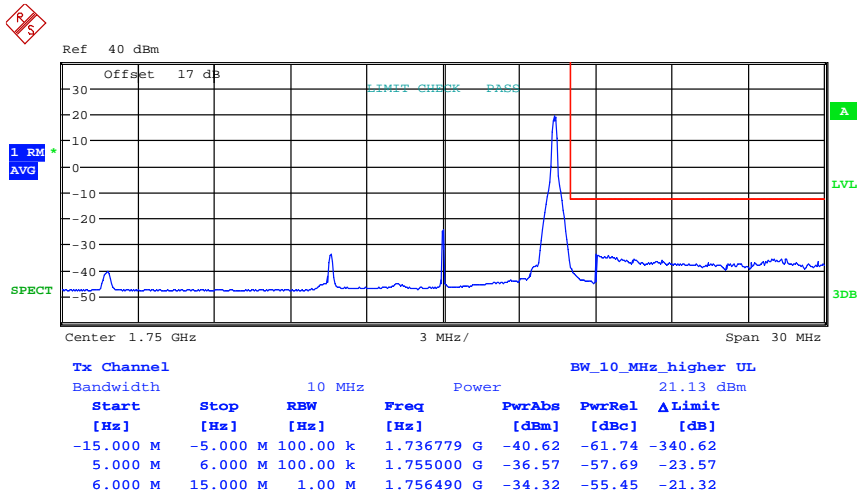
Date: 13.DEC.2021 14:08:27



Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 1RB



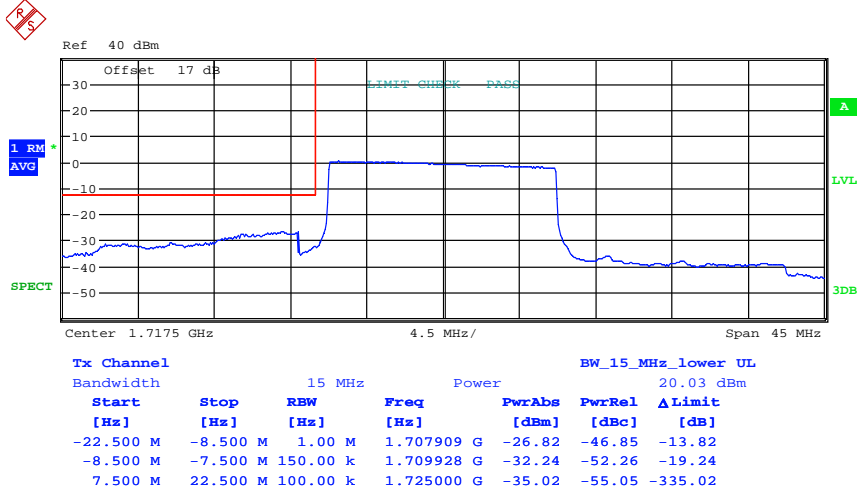
Date: 13.DEC.2021 14:10:30



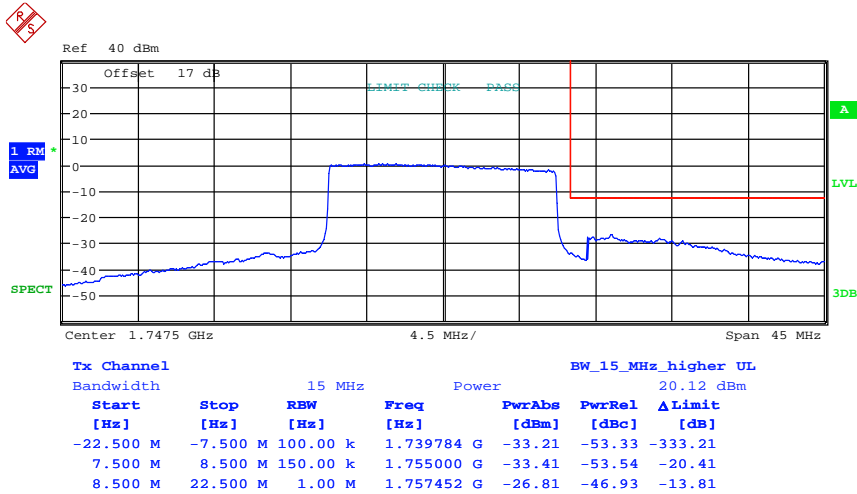
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Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 15 MHz QPSK  
 FRB



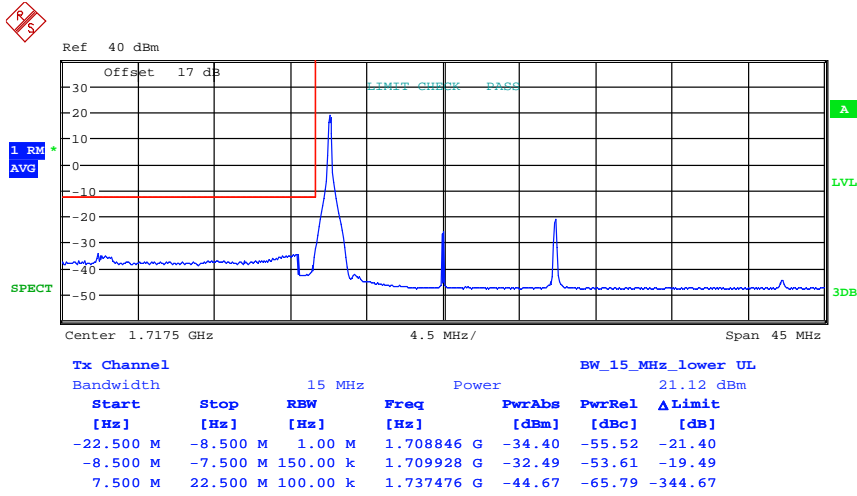
Date: 13.DEC.2021 14:05:02



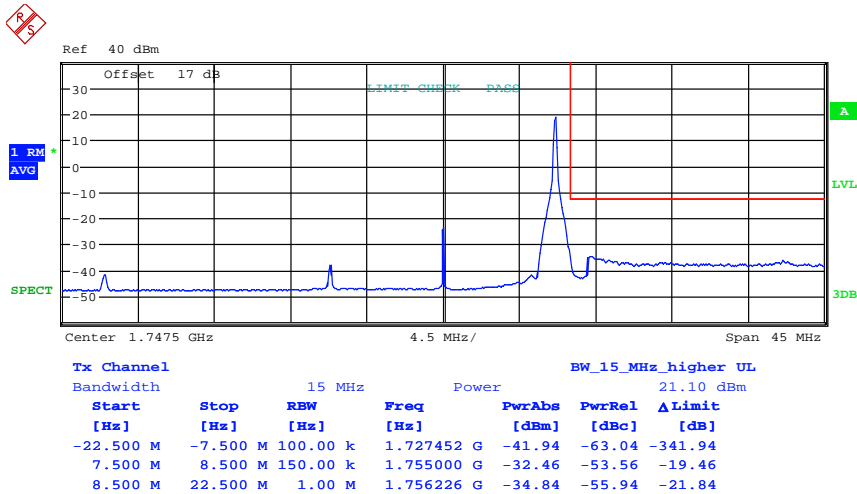
Date: 13.DEC.2021 14:07:19



Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 1RB



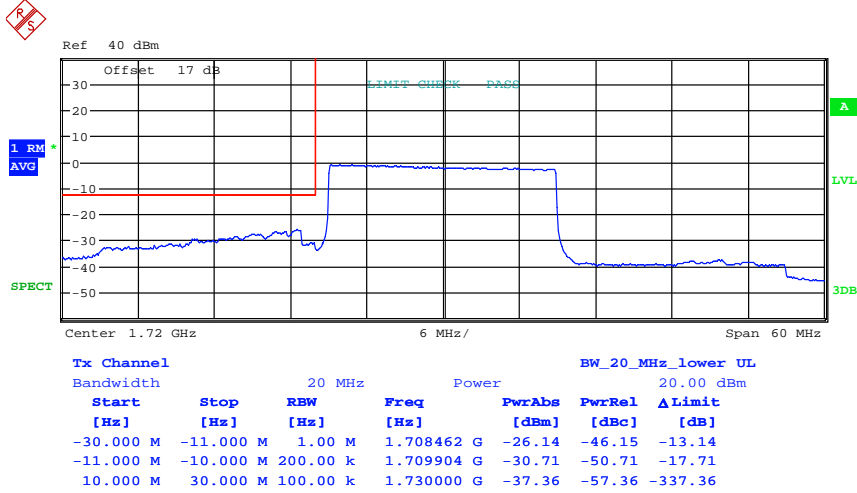
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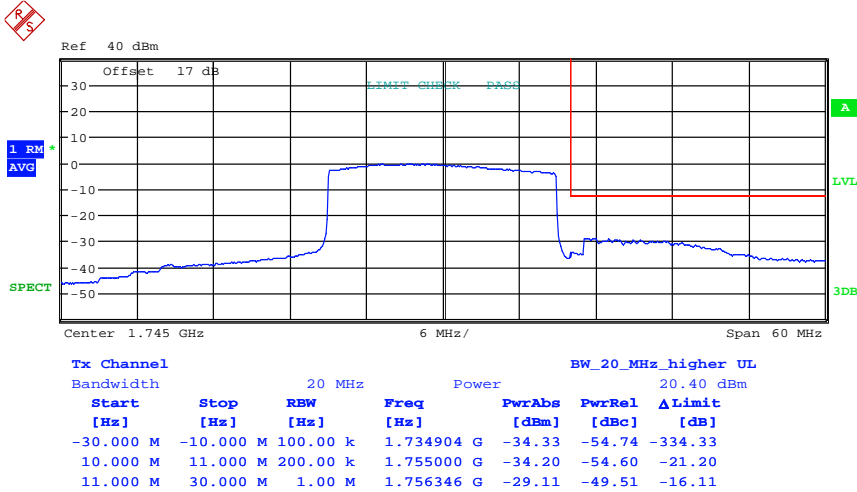
Date: 13.DEC.2021 14:07:00



Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 20 MHz QPSK  
 FRB



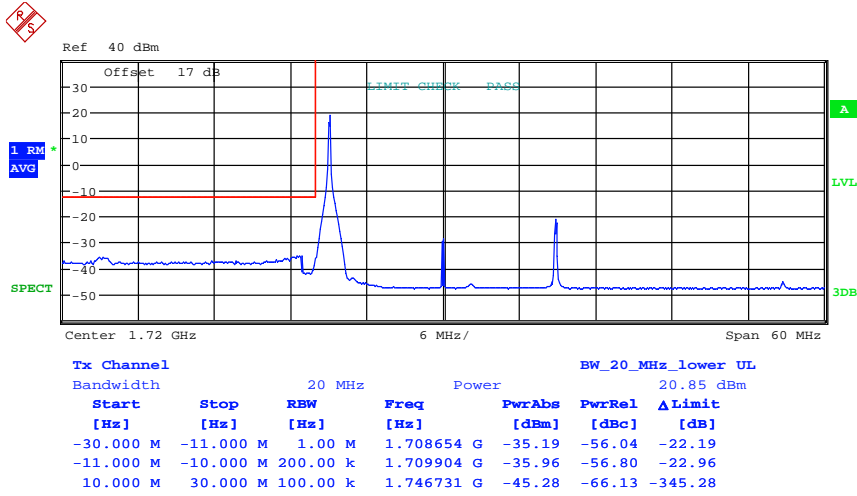
Date: 13.DEC.2021 13:58:21



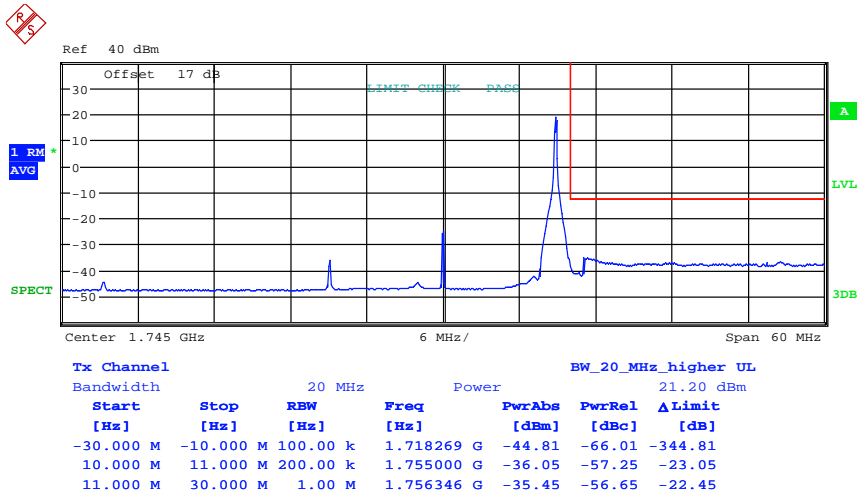
Date: 13.DEC.2021 13:47:31



Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 1RB



Date: 13.DEC.2021 13:57:48

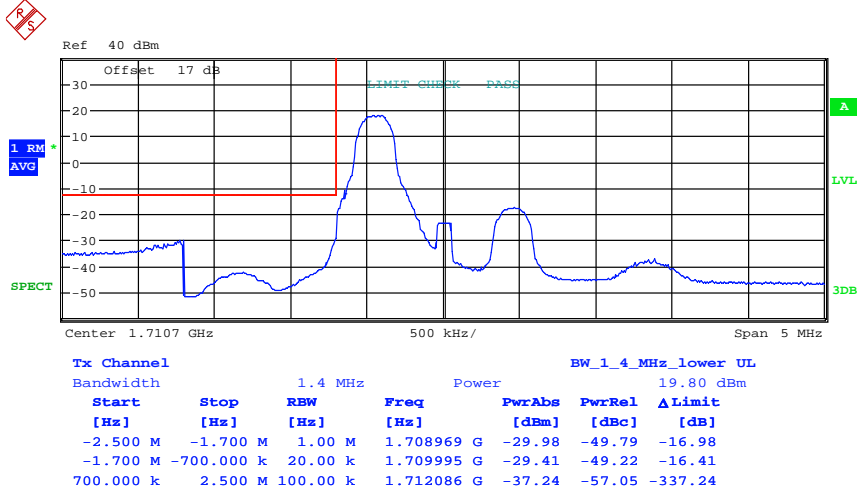


Date: 13.DEC.2021 13:47:58

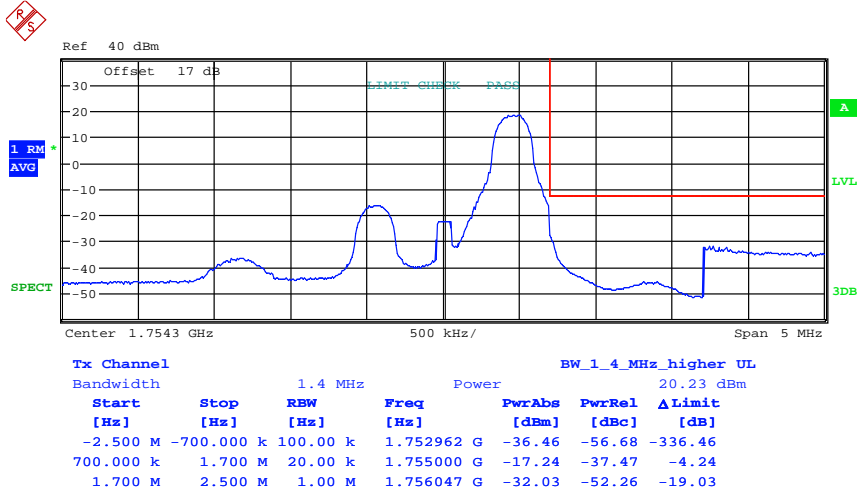




Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 1.4 MHz 16QAM  
 1RB



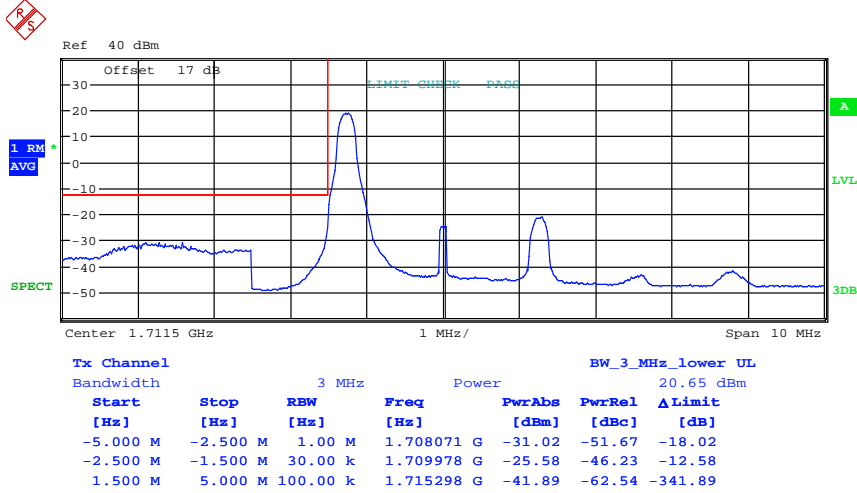
Date: 13.DEC.2021 14:42:39



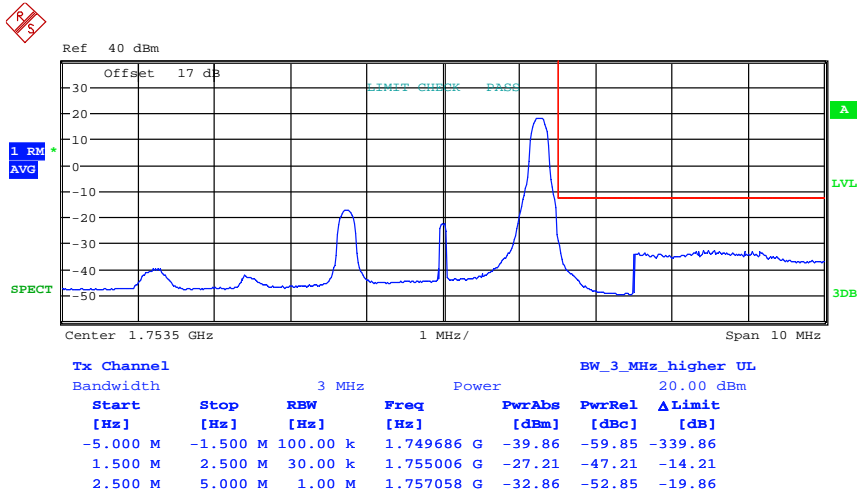
Date: 13.DEC.2021 14:40:44



Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 3 MHz 16QAM  
 1RB



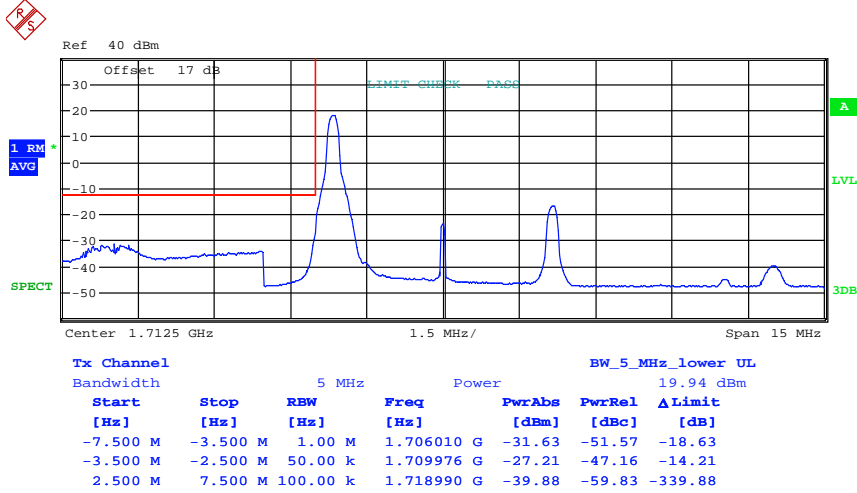
Date: 13.DEC.2021 14:35:14



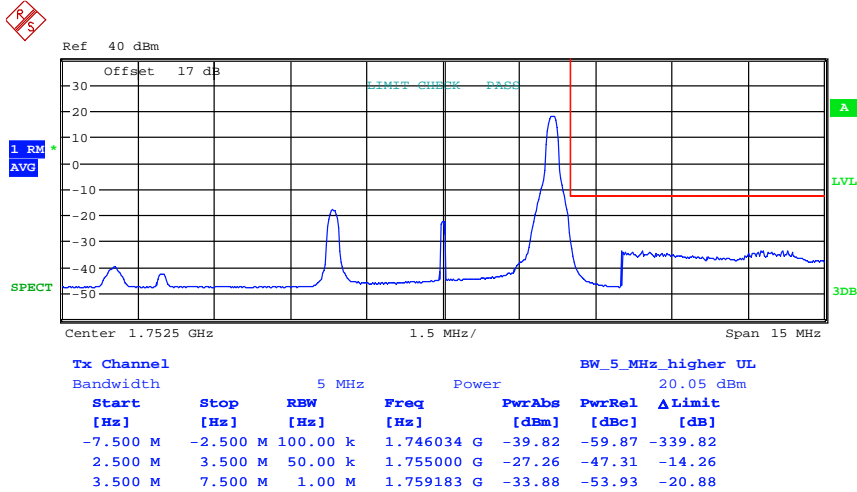
Date: 13.DEC.2021 14:37:26



Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 5 MHz 16QAM  
 1RB



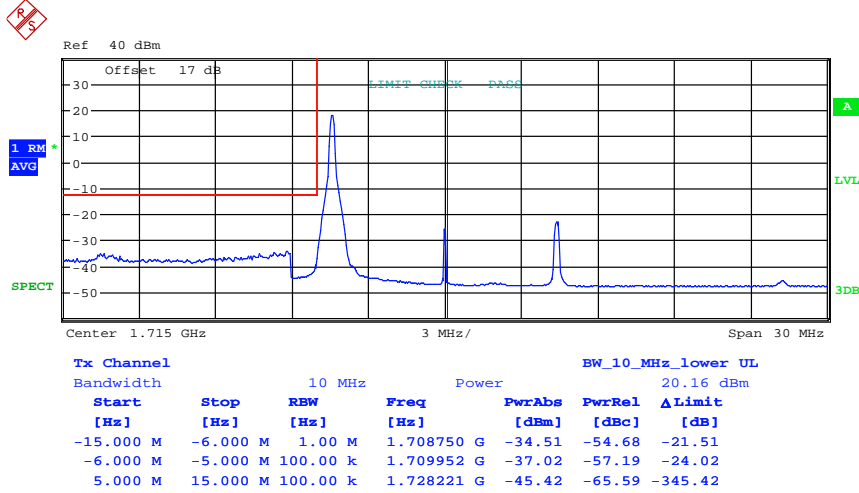
Date: 13.DEC.2021 14:26:25



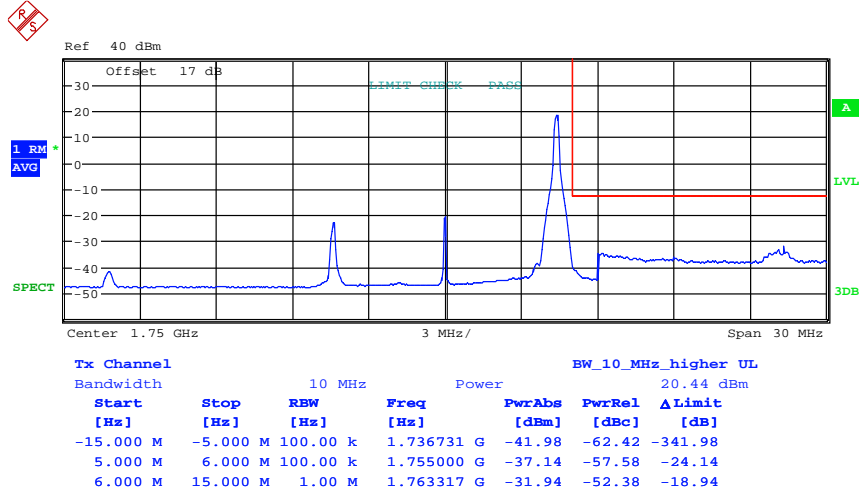
Date: 13.DEC.2021 14:27:33



Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 10 MHz 16QAM  
 1RB



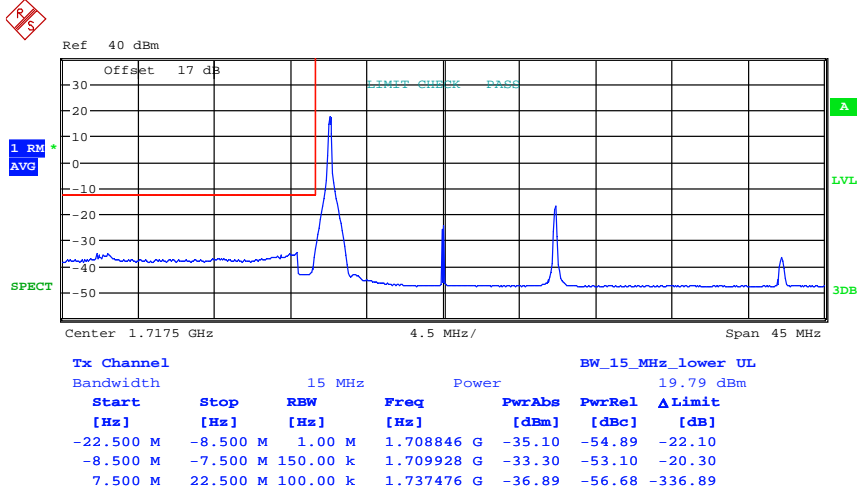
Date: 13.DEC.2021 14:09:49



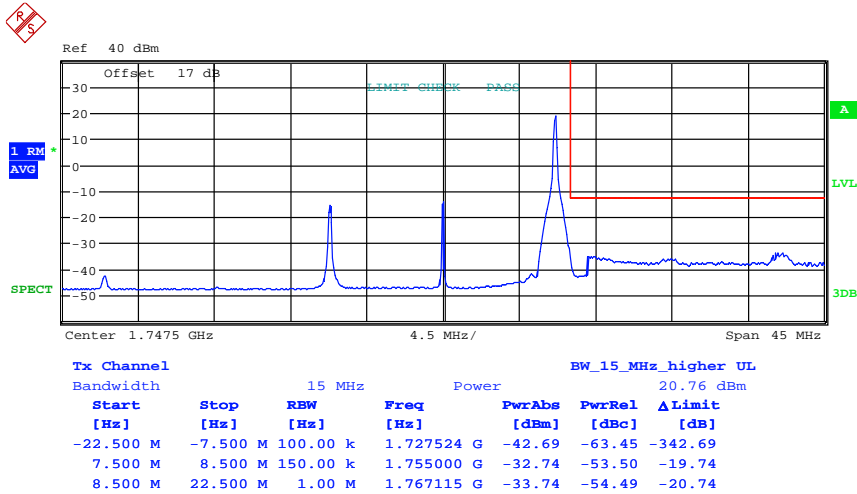
Date: 13.DEC.2021 14:09:15



Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 15 MHz 16QAM  
 1RB



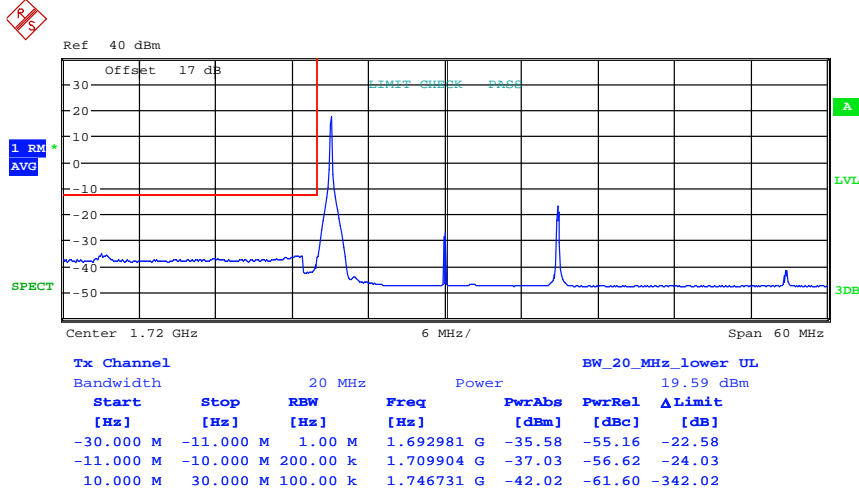
Date: 13.DEC.2021 14:05:44



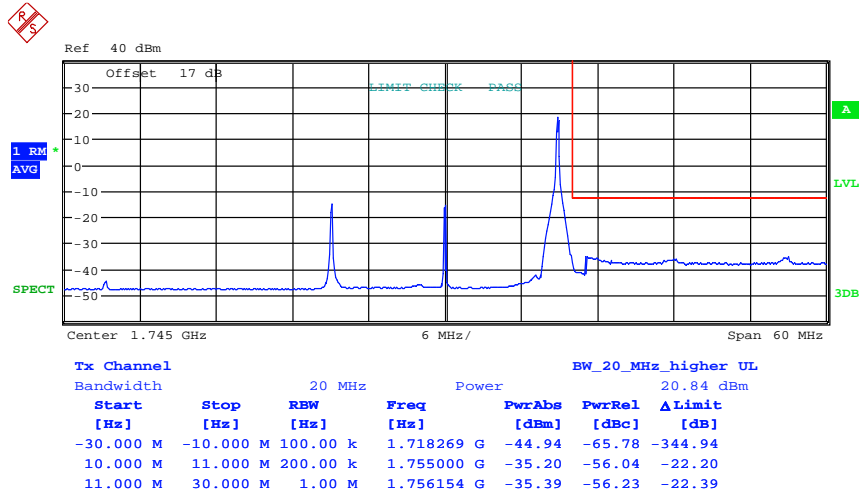
Date: 13.DEC.2021 14:06:34



Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 20 MHz 16QAM  
 1RB



Date: 13.DEC.2021 13:57:09

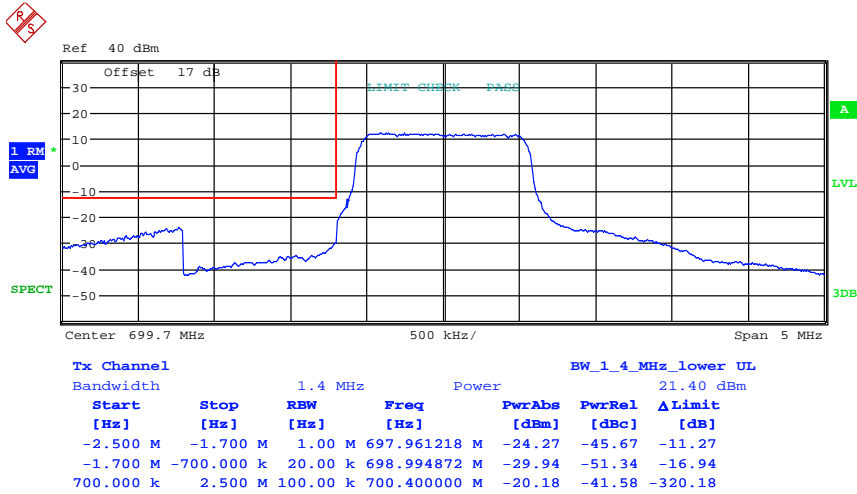


Date: 13.DEC.2021 13:48:32

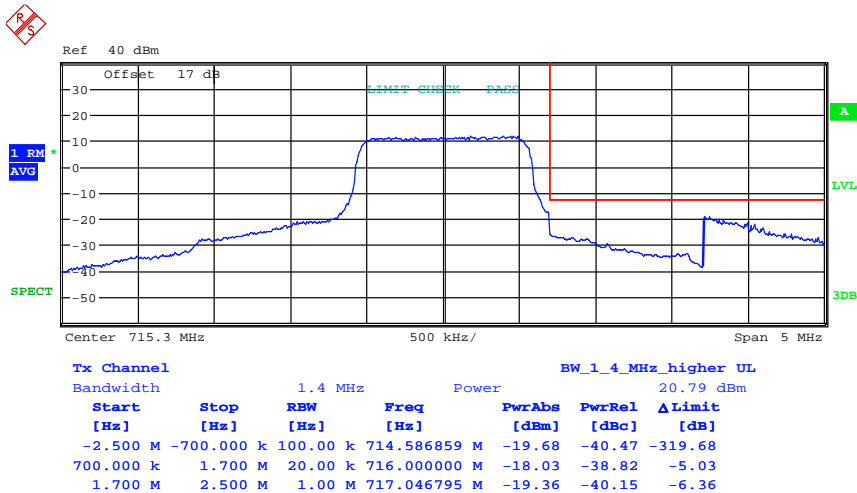


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 Band 12  
 1.4 MHz QPSK  
 FRB



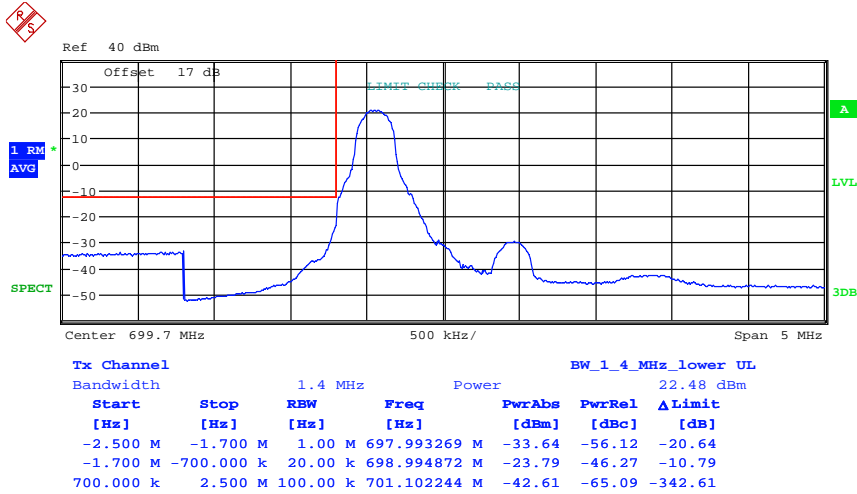
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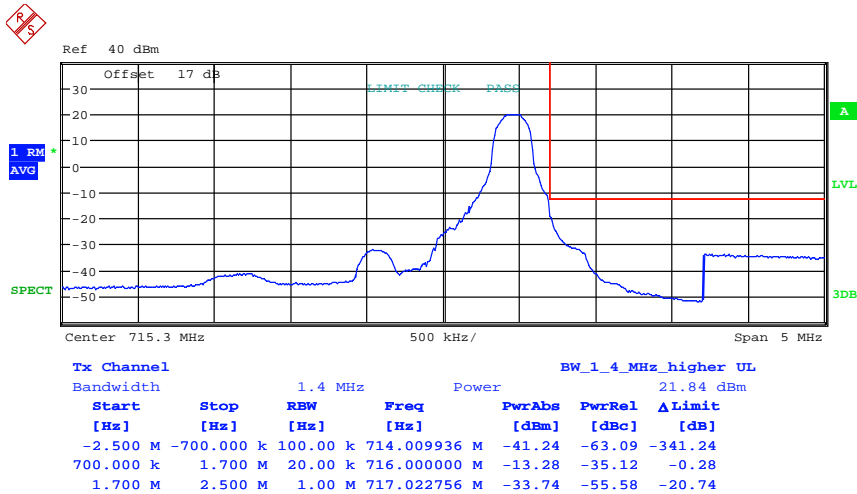
Date: 13.DEC.2021 15:01:57



Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 1RB



Date: 13.DEC.2021 14:58:24

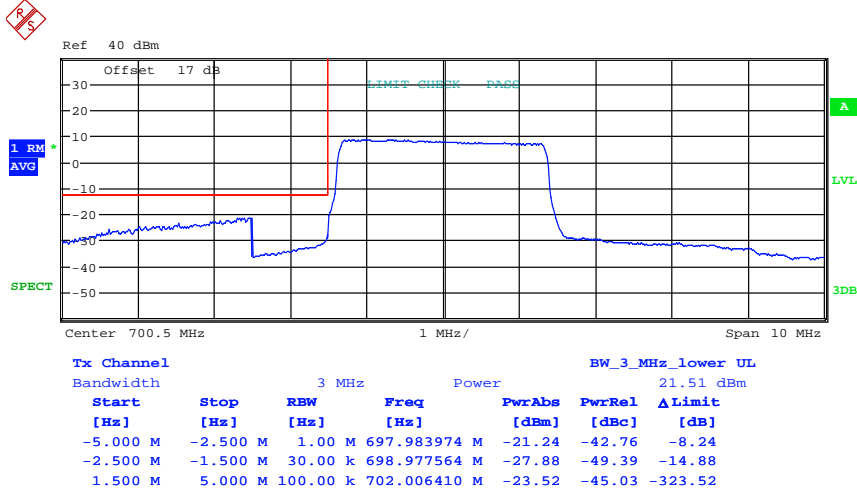


Date: 13.DEC.2021 15:01:19

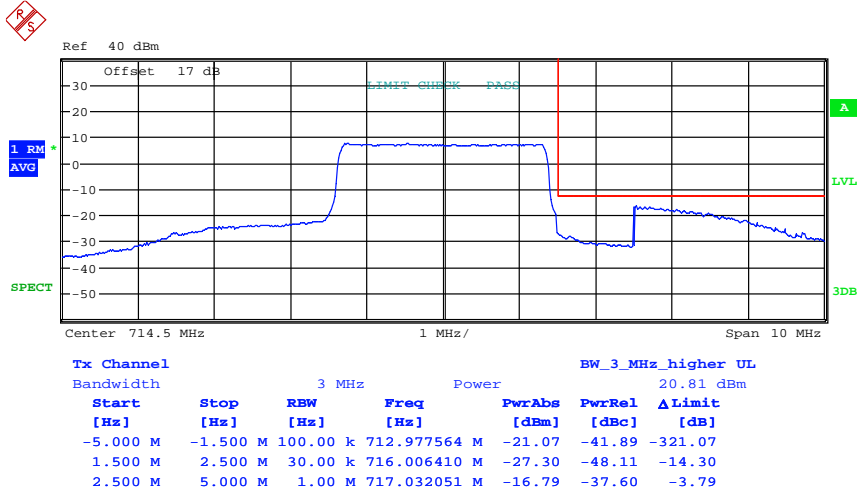




Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 3 MHz QPSK  
 FRB



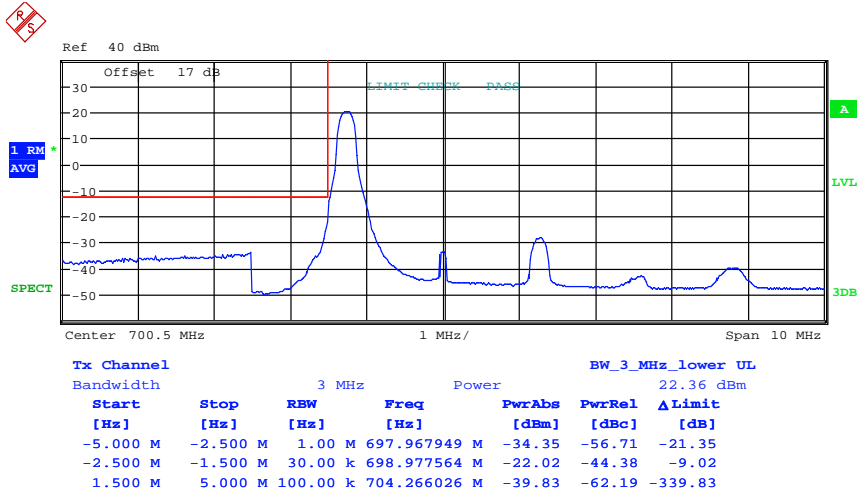
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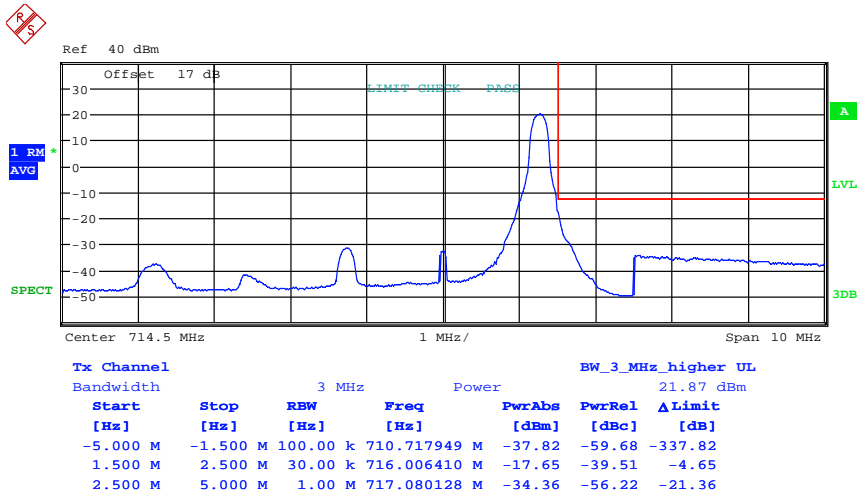
Date: 13.DEC.2021 15:03:08



Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 1RB



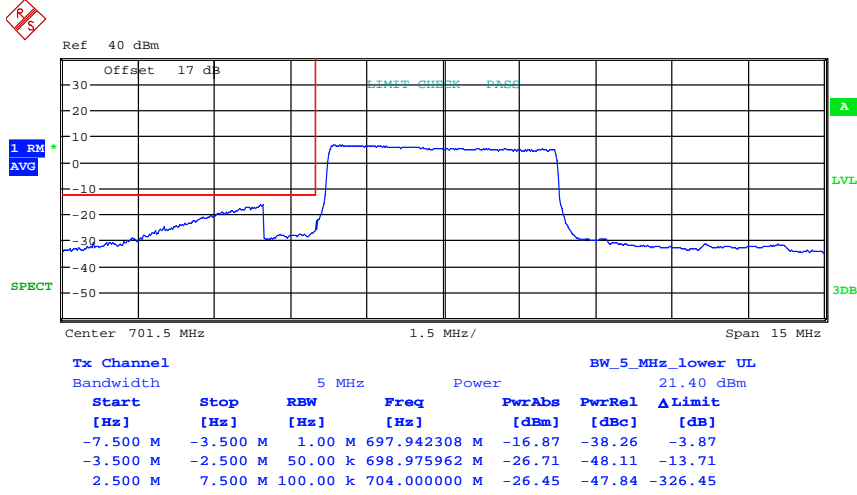
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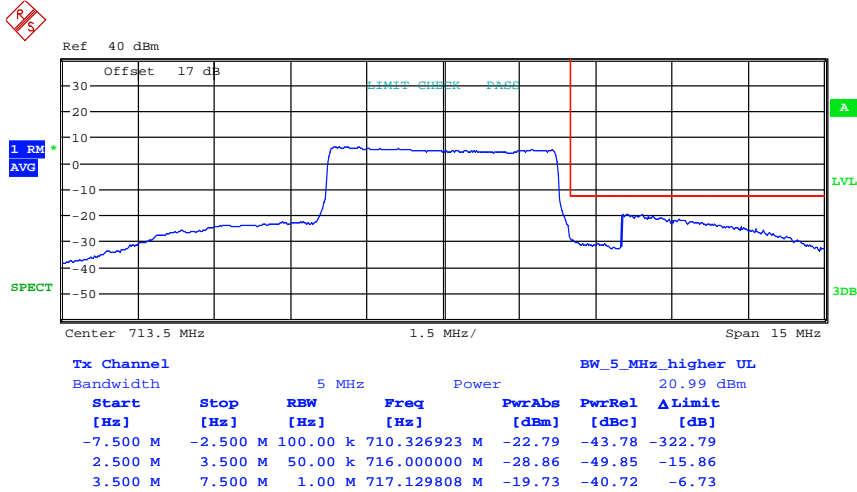
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Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 5 MHz QPSK  
 FRB



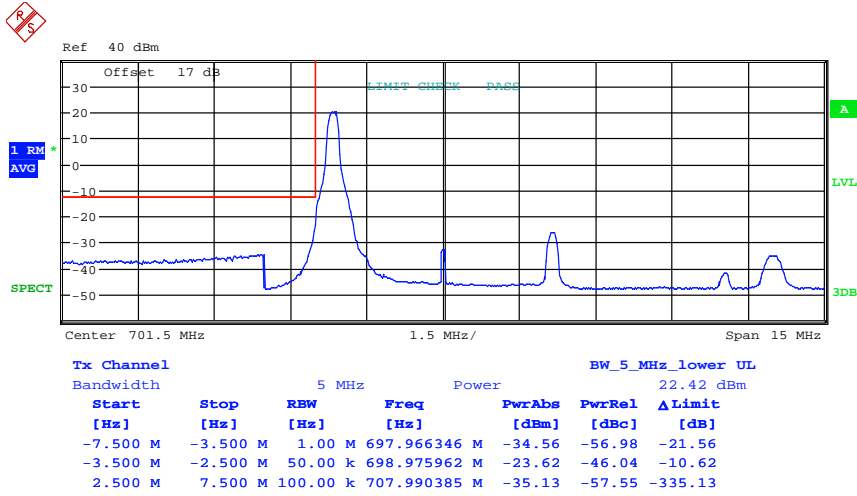
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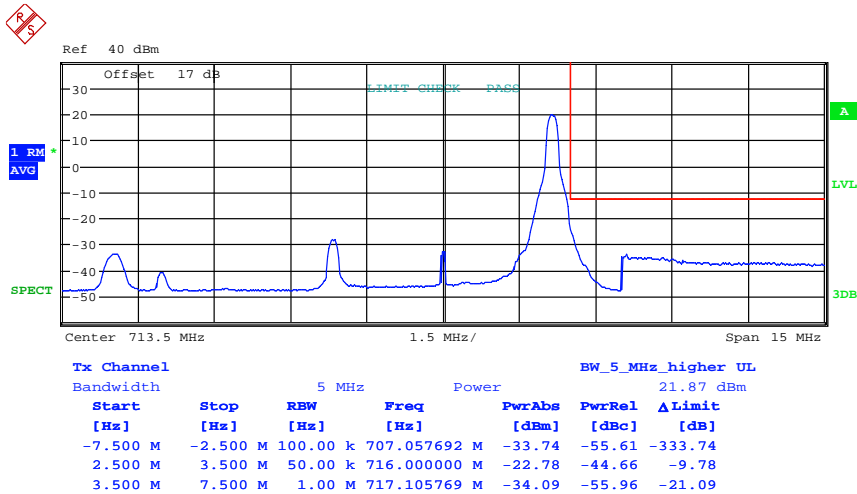
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Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 1RB



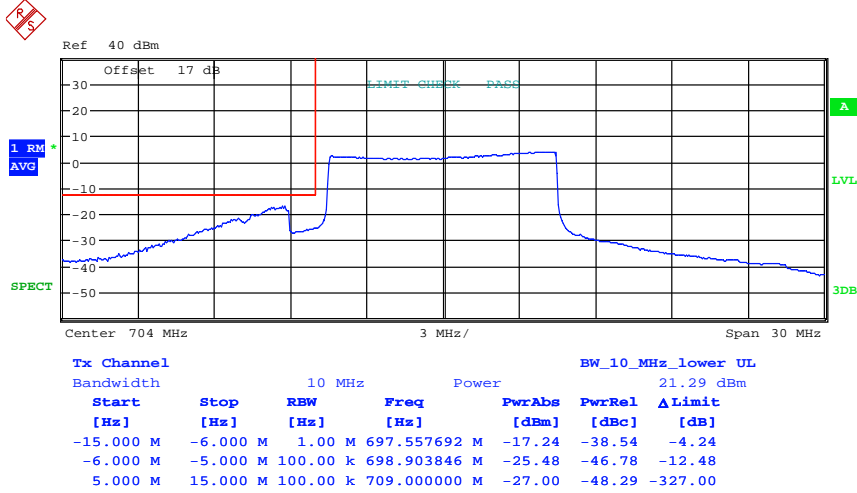
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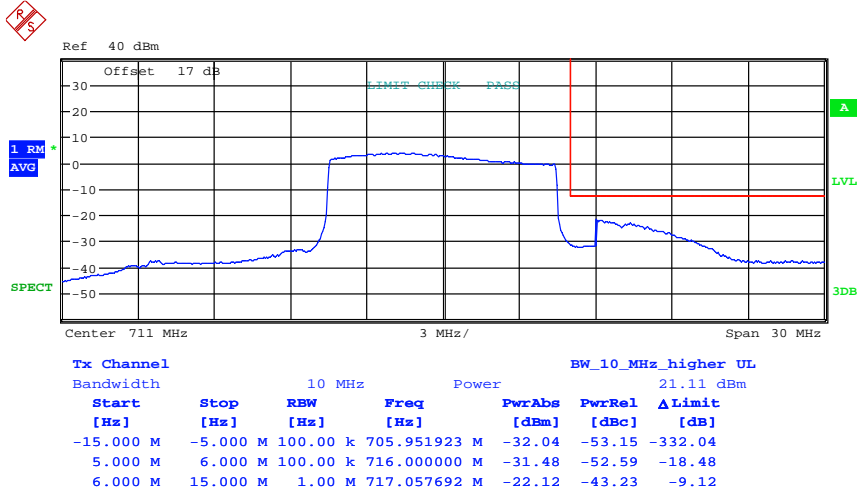
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Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 10 MHz QPSK  
 FRB



Date: 13.DEC.2021 15:13:21

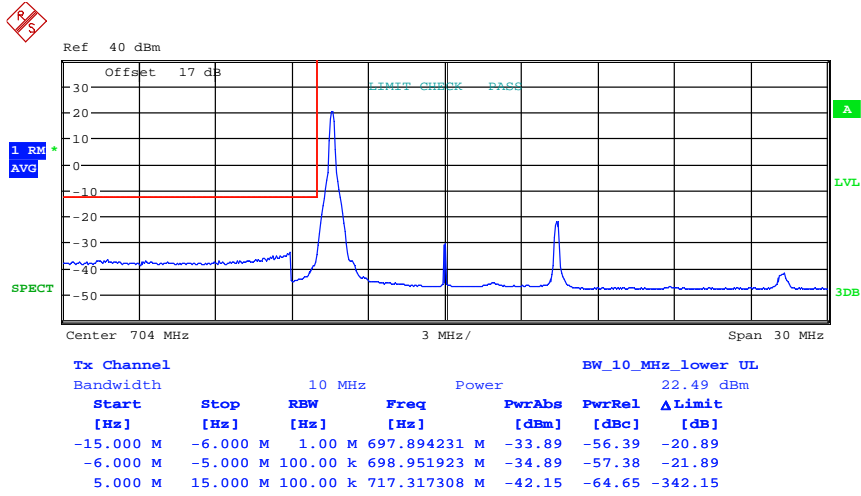


Date: 13.DEC.2021 15:10:56

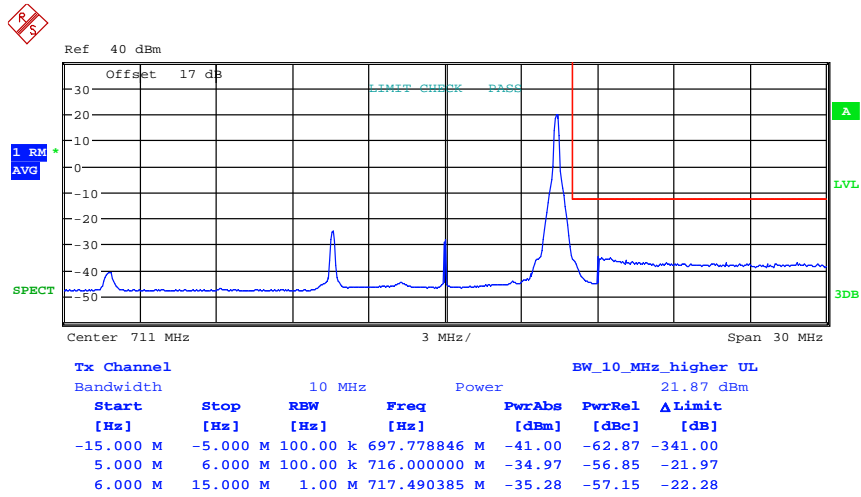


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 1RB



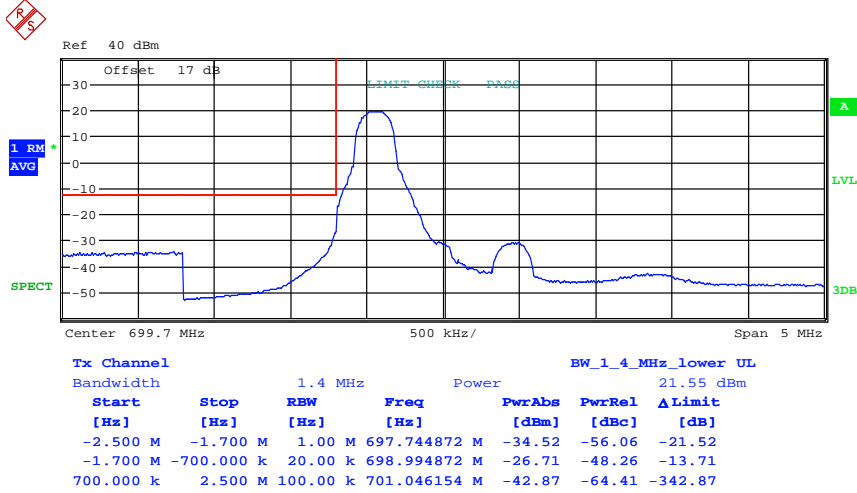
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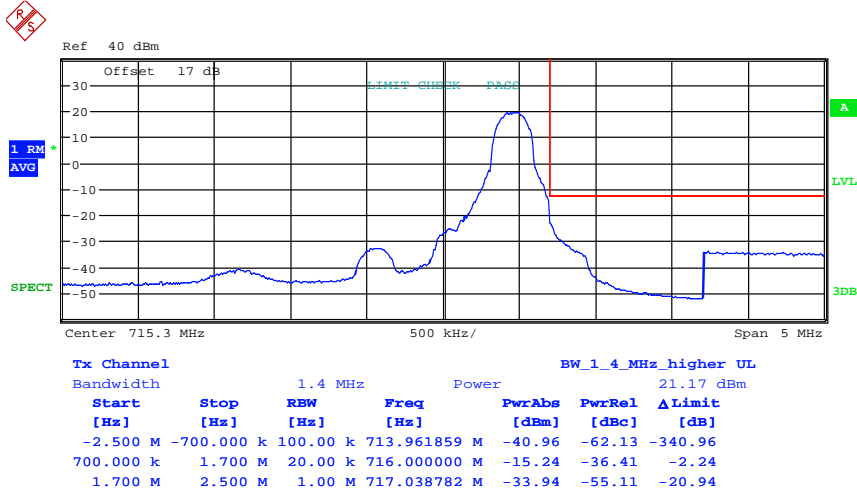
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Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 1.4 MHz 16QAM  
 1RB



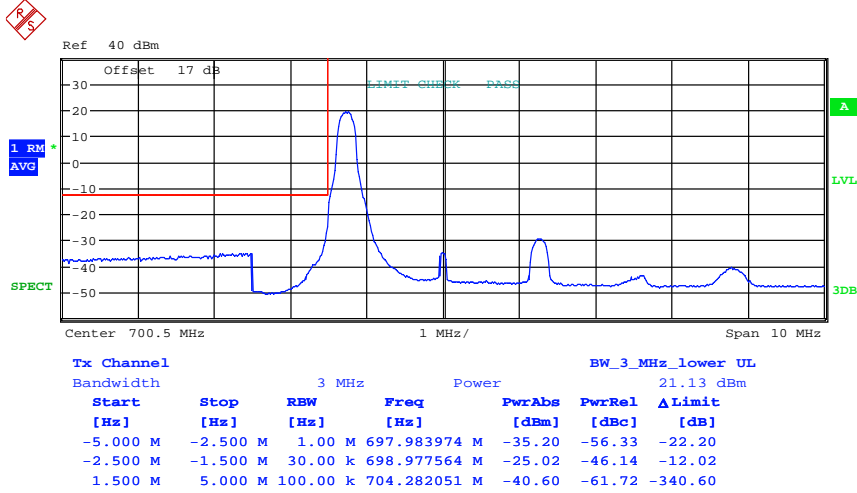
Date: 13.DEC.2021 14:59:16



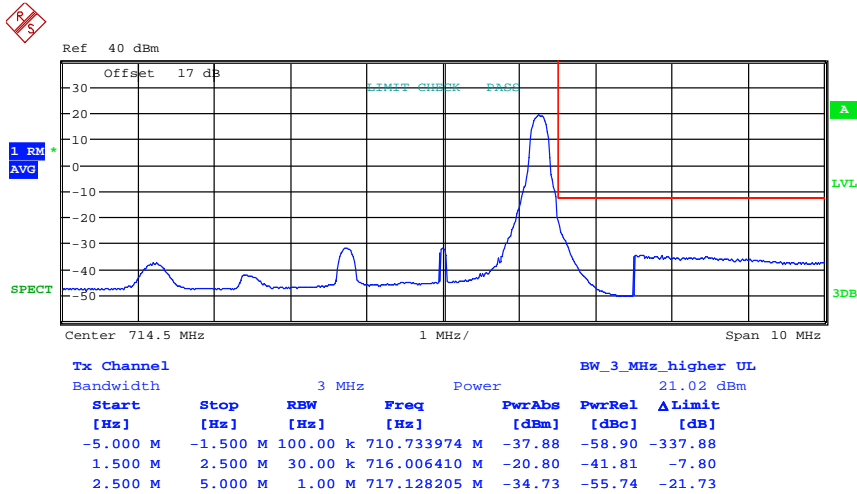
Date: 13.DEC.2021 15:00:46



Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 3 MHz 16QAM  
 1RB



Date: 13.DEC.2021 15:04:41

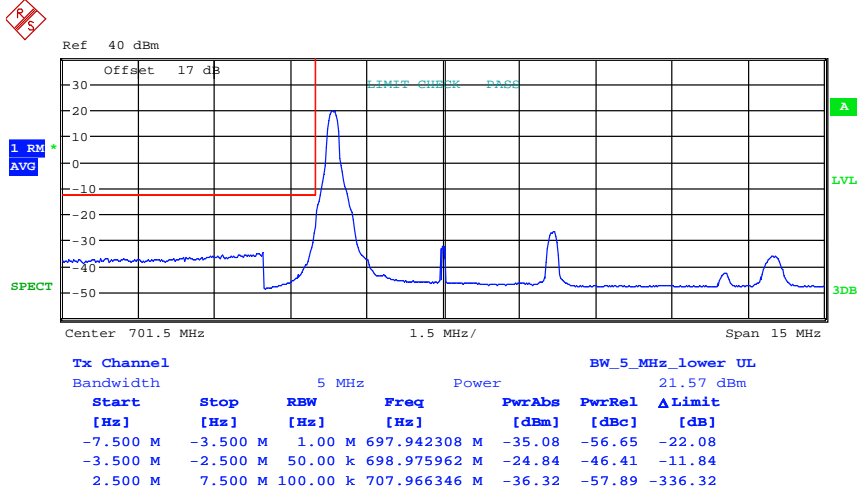


Date: 13.DEC.2021 15:03:56

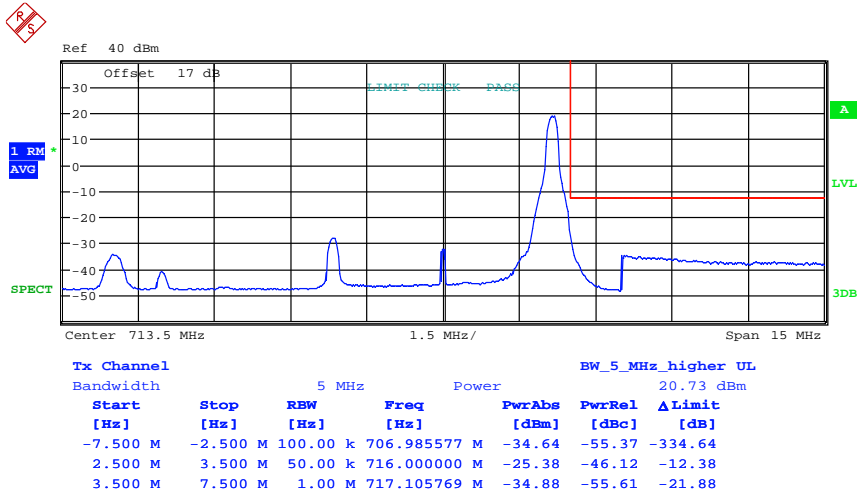




Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 5 MHz 16QAM  
 1RB



Date: 13.DEC.2021 15:08:13

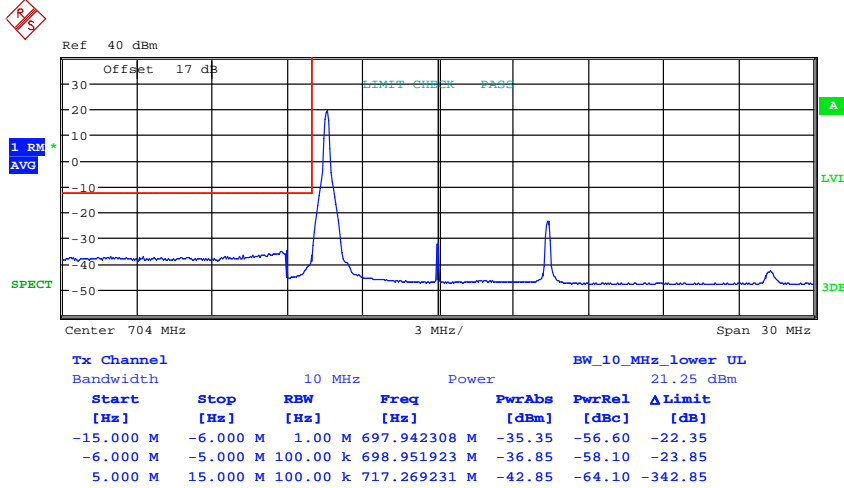


Date: 13.DEC.2021 15:09:02

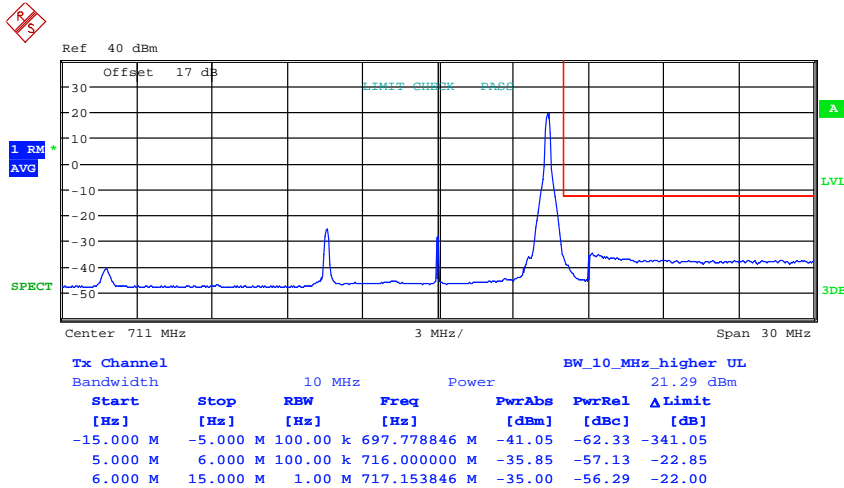


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1  
 10 MHz 16QAM  
 1RB



Date: 13.DEC.2021 15:12:35



Date: 13.DEC.2021 15:11:58

Test equipment: ETSTW-RE 004, ETSTW-RE 030, ETSTW-RE 062, ETSTW-RE 142,  
 ETSTW-RE 147, ETSTW-GSM 002, ETSTW-GSM 003

Report Number: W6R22112-21431-P-247

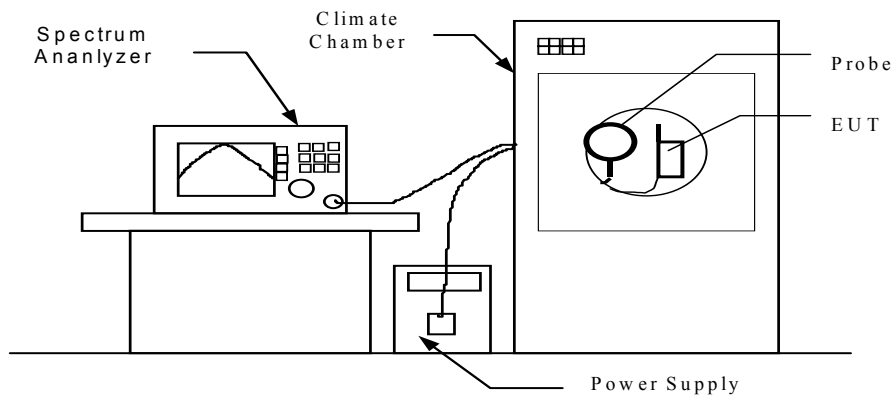
FCC ID: GX9FPHUB3-1

**9. Frequency Stability**

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintain within  $\pm 0.00025\%$  ( $\pm 2.5$  ppm) of the center frequency.

**9.1 Test procedure**

- The equipment under test was supplied with rated power supply and the RF output was connected to a frequency counter via feed through attenuators. The EUT was placed inside the temperature chamber. The DC leads and RF output cable, exited the chamber through an opening made for that purpose.  
After the temperature stabilized the frequency output was recorded from the counter.
- An external variable power supply was used to supply nominal voltage and 85% to 115% of nominal voltage to the EUT under room temperature. Record the frequencies measured from the counter.
- End point voltage: For hand carried, battery powered equipment, reduce primary supply voltage to the battery operating end point which shall be specified by the manufacturer. Then record the frequencies measured from the counter.





Report Number: W6R22112-21431-P-247  
 FCC ID: GX9FPHUB3-1

**9.2 Test Results**

**9.2.1 Frequency Stability vs. Temperature**

Test date: December 14, 2021  
 Temperature: 23.5 °C  
 Humidity: 52.1 %  
 Tester: Sora

WCDMA Band 2					WCDMA Band 4					WCDMA Band 5				
CH9262	Temp	Frequency drift(Hz)	Frequency drift(ppm)	Limit (ppm)	CH1312	Temp	Frequency drift(Hz)	Frequency drift(ppm)	Limit (ppm)	CH4132	Temp	Frequency drift(Hz)	Frequency drift(ppm)	Limit (ppm)
120Vac	-30	-19.74	-0.011	±2.5	120Vac	-30	-33.66	-0.020	±2.5	120Vac	-30	-9.90	-0.012	±2.5
	-20	-16.87	-0.009			-20	-35.01	-0.020			-20	-6.88	-0.008	
	-10	-19.08	-0.010			-10	-34.84	-0.020			-10	-7.18	-0.009	
	0	-15.73	-0.008			0	-35.61	-0.021			0	9.03	0.011	
	10	-7.41	-0.004			10	-20.29	-0.012			10	-3.84	-0.005	
	20	-7.65	-0.004			20	-9.39	-0.005			20	-2.86	-0.003	
	30	3.98	0.002			30	8.22	0.005			30	-2.42	-0.003	
	40	5.27	0.003			40	13.06	0.008			40	3.35	0.004	
50	5.58	0.003	50	19.89	0.012	50	3.15	0.004						
132Vac	25	-8.47	-0.005	132Vac	25	-11.07	-0.006	132Vac	25	-2.75	-0.003			
108Vac	25	-6.91	-0.004	108Vac	25	9.18	0.005	108Vac	25	2.07	0.003			
CH9400	Temp	Frequency drift(Hz)	Frequency drift(ppm)	Limit (ppm)	CH1413	Temp	Frequency drift(Hz)	Frequency drift(ppm)	Limit (ppm)	CH4183	Temp	Frequency drift(Hz)	Frequency drift(ppm)	Limit (ppm)
120Vac	-30	-8.48	-0.005	±2.5	120Vac	-30	8.89	0.005	±2.5	120Vac	-30	-3.96	-0.005	±2.5
	-20	-10.51	-0.006			-20	-5.29	-0.003			-20	-2.00	-0.002	
	-10	7.55	0.004			-10	-8.13	-0.005			-10	-3.18	-0.004	
	0	8.27	0.004			0	10.23	0.006			0	3.48	0.004	
	10	7.54	0.004			10	-3.65	-0.002			10	2.17	0.003	
	20	7.89	0.004			20	-7.47	-0.004			20	2.29	0.003	
	30	-4.55	-0.002			30	-6.24	-0.004			30	1.57	0.002	
	40	-4.64	-0.002			40	-6.40	-0.004			40	-1.67	-0.002	
50	-4.43	-0.002	50	-4.81	-0.003	50	2.35	0.003						
132Vac	25	8.25	0.004	132Vac	25	-6.24	-0.004	132Vac	25	2.12	0.003			
108Vac	25	7.46	0.004	108Vac	25	-5.16	-0.003	108Vac	25	-2.51	-0.003			
CH9538	Temp	Frequency drift(Hz)	Frequency drift(ppm)	Limit (ppm)	CH1513	Temp	Frequency drift(Hz)	Frequency drift(ppm)	Limit (ppm)	CH4233	Temp	Frequency drift(Hz)	Frequency drift(ppm)	Limit (ppm)
120Vac	-30	17.22	0.009	±2.5	120Vac	-30	36.08	0.021	±2.5	120Vac	-30	5.84	0.007	±2.5
	-20	17.34	0.009			-20	34.07	0.019			-20	6.96	0.008	
	-10	10.14	0.005			-10	35.72	0.020			-10	7.12	0.008	
	0	10.73	0.006			0	36.26	0.021			0	6.66	0.008	
	10	8.08	0.004			10	21.72	0.012			10	3.76	0.004	
	20	4.81	0.003			20	9.11	0.005			20	2.36	0.003	
	30	-5.37	-0.003			30	-4.94	-0.003			30	-1.98	-0.002	
	40	-7.62	-0.004			40	-14.73	-0.008			40	-3.20	-0.004	
50	-8.87	-0.005	50	-17.27	-0.010	50	-4.55	-0.005						
132Vac	25	4.89	0.003	132Vac	25	9.06	0.005	132Vac	25	1.69	0.002			
108Vac	25	5.46	0.003	108Vac	25	-7.31	-0.004	108Vac	25	2.25	0.003			



# Worldwide Testing Services(Taiwan) Co., Ltd.

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LTE Band 2 QPSK 10MHz FRB					LTE Band 4 QPSK 10MHz FRB				
CH18900	Temp	Frequency drift(Hz)	Frequency drift(ppm)	Limit (ppm)	CH20175	Temp	Frequency drift(Hz)	Frequency drift(ppm)	Limit (ppm)
120Vac	-30	-13.29	-0.007	±2.5	120Vac	-30	-11.07	-0.006	±2.5
	-20	-11.24	-0.006			-20	-15.62	-0.009	
	-10	-6.02	-0.003			-10	6.72	0.004	
	0	-7.11	-0.004			0	5.88	0.003	
	10	-10.07	-0.005			10	5.82	0.003	
	20	-5.81	-0.003			20	4.68	0.003	
	30	-8.03	-0.004			30	5.14	0.003	
	40	-6.52	-0.003			40	6.51	0.004	
50	-8.45	-0.004	50	-5.11	-0.003				
132Vac	25	-7.87	-0.004	132Vac	25	5.14	0.003		
108Vac	25	-10.44	-0.006	108Vac	25	4.68	0.003		

LTE BAND12 QPSK 10MHz FRB				
CH23095	Temp	Frequency drift(Hz)	Frequency drift(ppm)	Limit (ppm)
	-30	-4.88	-0.007	±2.5
	-20	-5.15	-0.007	
	-10	3.52	0.005	
	0	5.12	0.007	
	10	-2.68	-0.004	
	20	2.39	0.003	
	30	-3.65	-0.005	
	40	-4.31	-0.006	
	50	6.38	0.009	
132Vac	25	3.28	0.005	
108Vac	25	-3.96	-0.006	

Test equipment: ETSTW-CE 009, ETSTW-GSM 004



Report Number: W6R22112-21431-P-247

FCC ID: GX9FPHUB3-1

**10 Maximum Permissible Exposure**

**10.1 Exemption Limits for Routine Evaluation according to 47 CFR FCC Part 2 Subpart J, section 2.1091**

FCC OET Bulletin 65 Edition 97.01 determines the equations for predicting RF fields and applicable limits. The prediction for power density in the far-field but will over-predict power density in the near field, where it could be used for walking a “worst case” or conservative prediction.

Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess limit for maximum permissible exposure. In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as a mobile device whereby a distance of 20 cm normally can be maintained between the user and the device.

**MPE Calculation Method**

**(A) Limits for Occupational/Controlled Exposure**

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm <sup>2</sup> )	Averaging Time  E  <sup>2</sup> ,  H  <sup>2</sup> or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842/f	4.89/f	(900/f <sup>2</sup> )*	6
30-300	61.4	0.163	1.0	6
300-1500	--	--	f/300	6
1500-100,000	--	--	5	6

**(B) Limits for General Population/Uncontrolled Exposure**

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm <sup>2</sup> )	Averaging Time  E  <sup>2</sup> ,  H  <sup>2</sup> or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f <sup>2</sup> )*	30
30-300	27.5	0.073	0.2	30
300-1500	--	--	f/1500	30
1500-100,000	--	--	1.0	30

f = frequency in MHz

\*Plane-wave equivalent power density

E = Electric field (V/m) P = output power (W) G = EUT Antenna numeric gain (numeric)

d = Separation distance between radiator and human body (m)

$$Pd = \frac{30 \times P \times G}{377 \times d^2}$$

The formula can be changed to mW/cm<sup>2</sup>.



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FCC ID: GX9FPHUB3-1

Frequency	Max output power		Antenna Gain	Power Density(S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
	(dBm)	(W)				
WCDMA Band 2	22.90	0.1950	2.97	0.0769	1	Complies
WCDMA Band 4	22.01	0.1589	2.83	0.0607	1	Complies
WCDMA Band 5	22.09	0.1618	0.7	0.0378	0.5509	Complies
LTE Band 2	22.35	0.1718	2.97	0.0677	1	Complies
LTE Band 4	22.12	0.1629	2.83	0.0622	1	Complies
LTE Band 12	23.14	0.2061	1.29	0.0552	0.4670	Complies

From the peak EUT RF output power, the minimum mobile separation distance,  $d=0.2$  m, as well as the gain of the used antenna, the RF power density can be obtained.



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FCC ID: GX9FPHUB3-1

## **Appendix**

Measurement diagrams

Filed Strength of Spurious Emission





Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
 Tel:+886-2-6606-8877  
 Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Sora

File :1

Data :#1

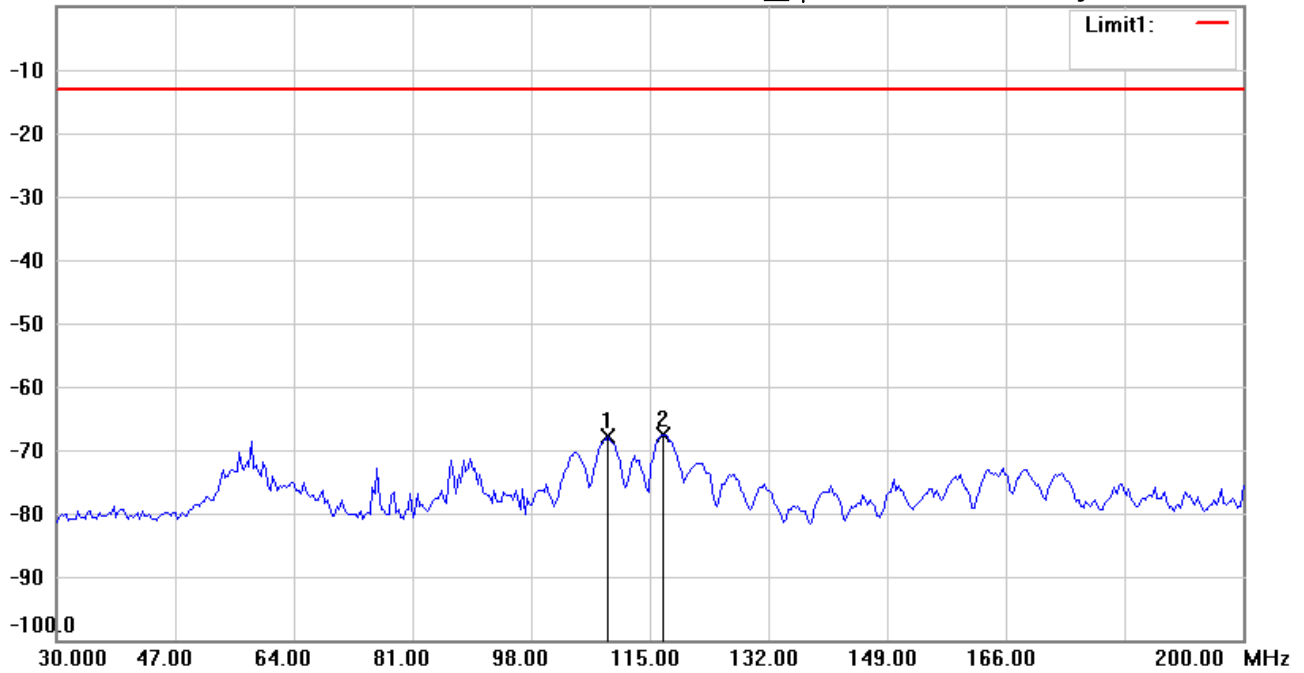
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 10:25:29

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band2-CH9262

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	109.0381	-90.23	peak	22.24	-67.99	-13.00	150	195	-54.99	
*	116.8737	-89.55	peak	21.84	-67.71	-13.00	150	215	-54.71	

\*:Maximum data    x:Over limit    !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
 Tel:+886-2-6606-8877  
 Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Sora

File :1

Data :#2

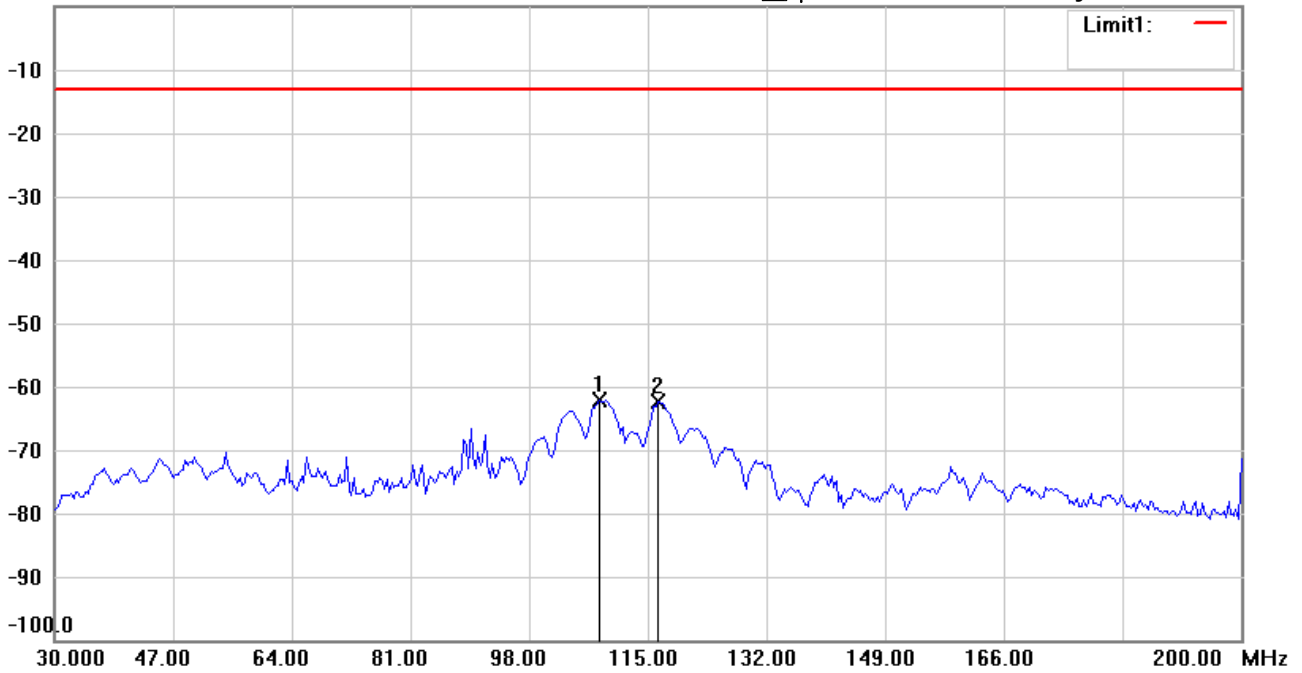
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 11:06:51

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band2-CH9262

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	108.0160	-85.97	peak	23.90	-62.07	-13.00	150	155	-49.07	
	116.5331	-85.75	peak	23.27	-62.48	-13.00	150	140	-49.48	

\*:Maximum data x:Over limit !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
 Tel:+886-2-6606-8877  
 Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Sora

File :2

Data :#1

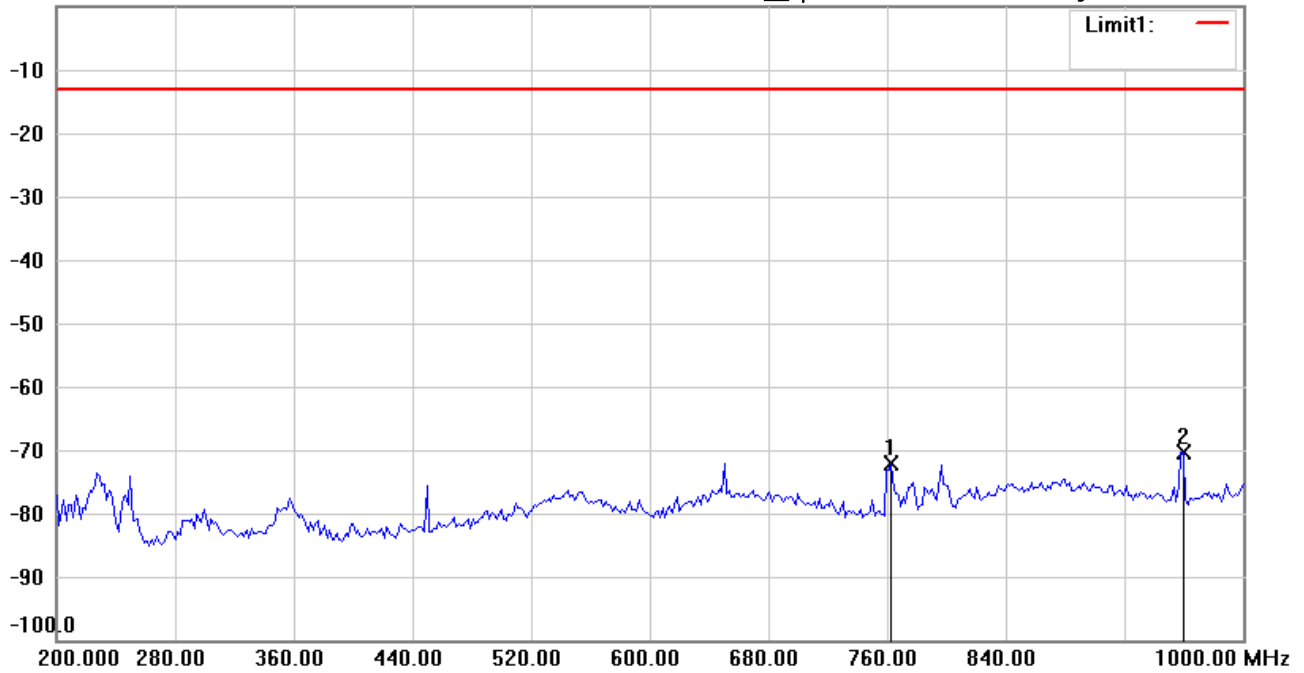
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 11:12:24

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band2-CH9262

Note :

Polarization: **Horizontal**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	762.7255	-69.44	peak	-2.69	-72.13	-13.00	150	125	-59.13	
*	959.9198	-68.96	peak	-1.52	-70.48	-13.00	150	95	-57.48	

\*:Maximum data    x:Over limit    !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
 Tel:+886-2-6606-8877  
 Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Sora

File :2

Data :#2

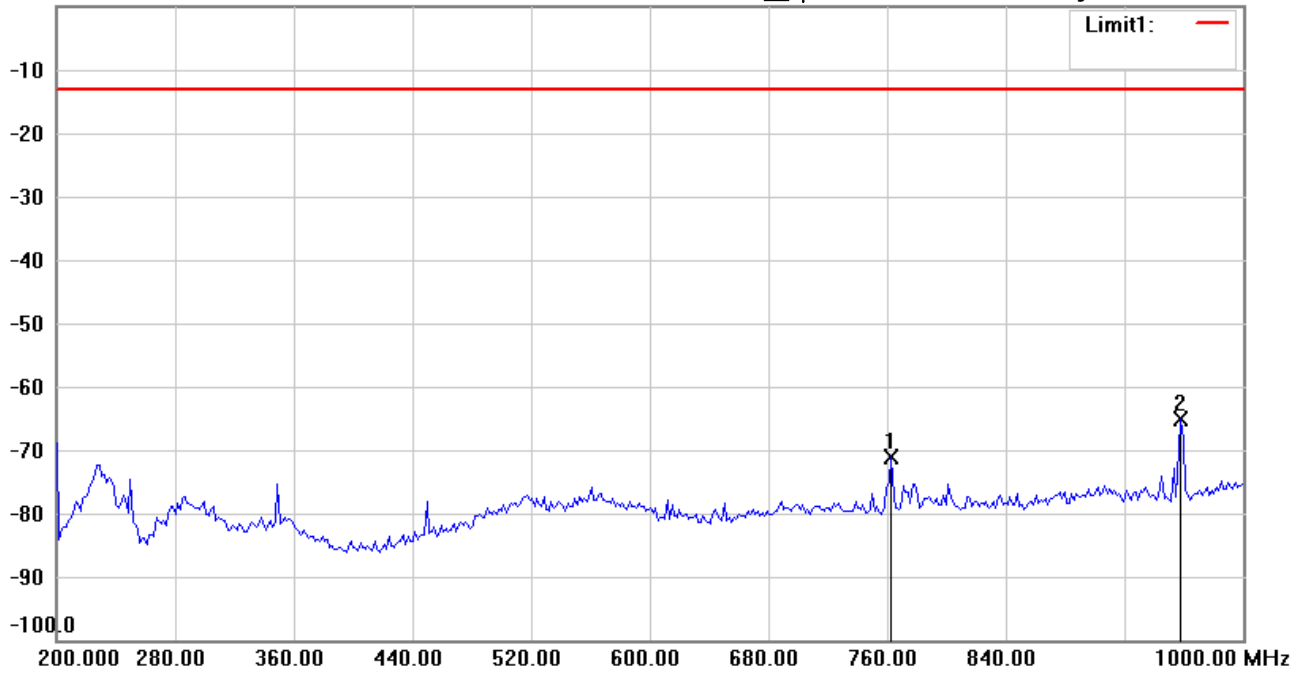
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 11:29:40

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band2-CH9262

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	762.7255	-69.06	peak	-2.00	-71.06	-13.00	150	255	-58.06	
*	958.3166	-64.36	peak	-0.82	-65.18	-13.00	150	105	-52.18	

\*:Maximum data    x:Over limit    !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
 Tel:+886-2-6606-8877  
 Fax:+886-2-6606-8875

**Radiated Emission Measurement**

Operator: Sora

File :3

Data :#1

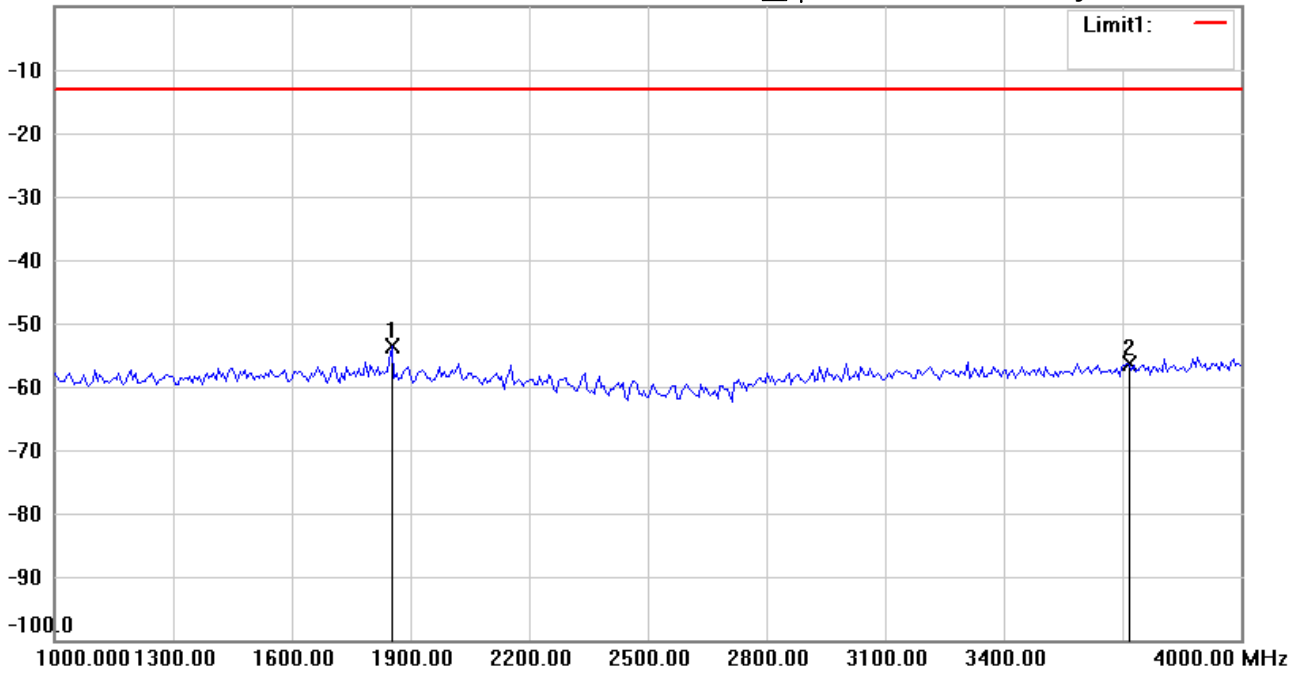
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 08:20:17

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band2-CH9262

Note :

Polarization: **Horizontal**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	1853.707	-59.52	peak	5.89	-53.63	-13.00	150	145	-40.63	
	3711.423	-63.34	peak	7.02	-56.32	-13.00	150	255	-43.32	

\*:Maximum data    x:Over limit    !:over margin



Radiated Emission Measurement

Operator: Sora

File :3

Data :#6

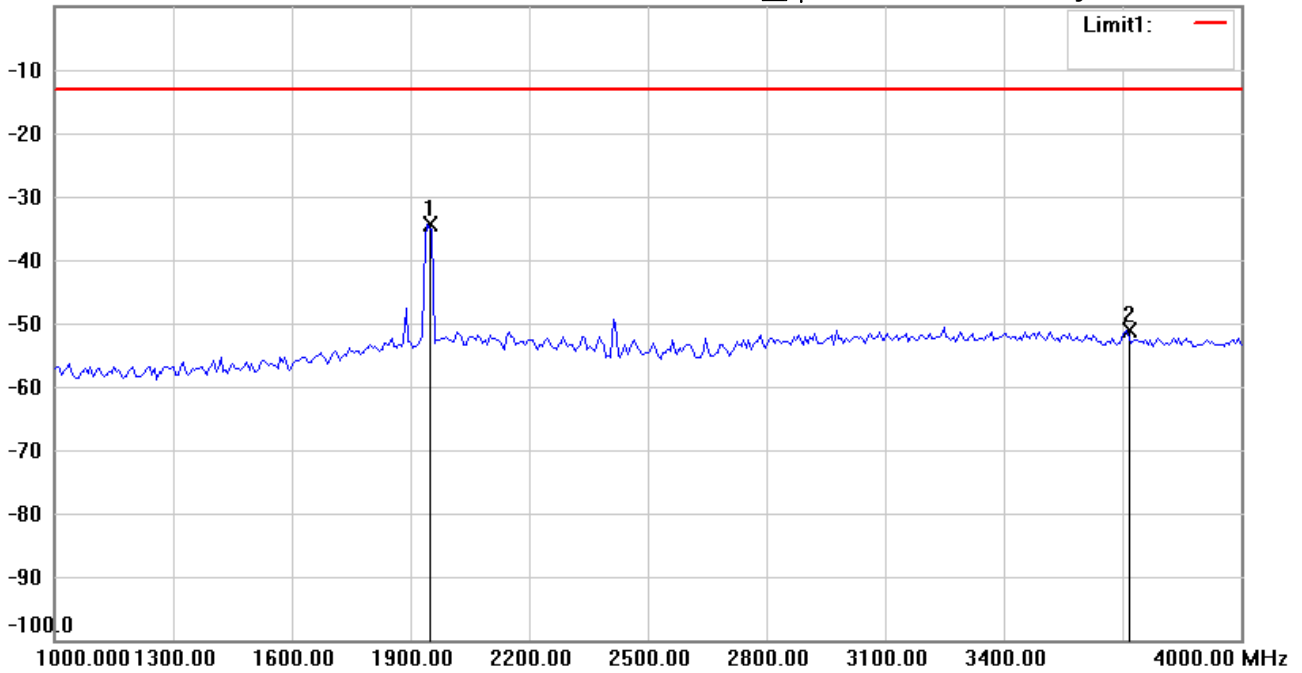
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 08:41:33

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band2-CH9262

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	1943.888	-44.39	peak	9.90	-34.49	-13.00	150	95	-21.49	
	3711.423	-61.21	peak	10.19	-51.02	-13.00	150	255	-38.02	



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
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Radiated Emission Measurement

Operator: Sora

File :3

Data :#2

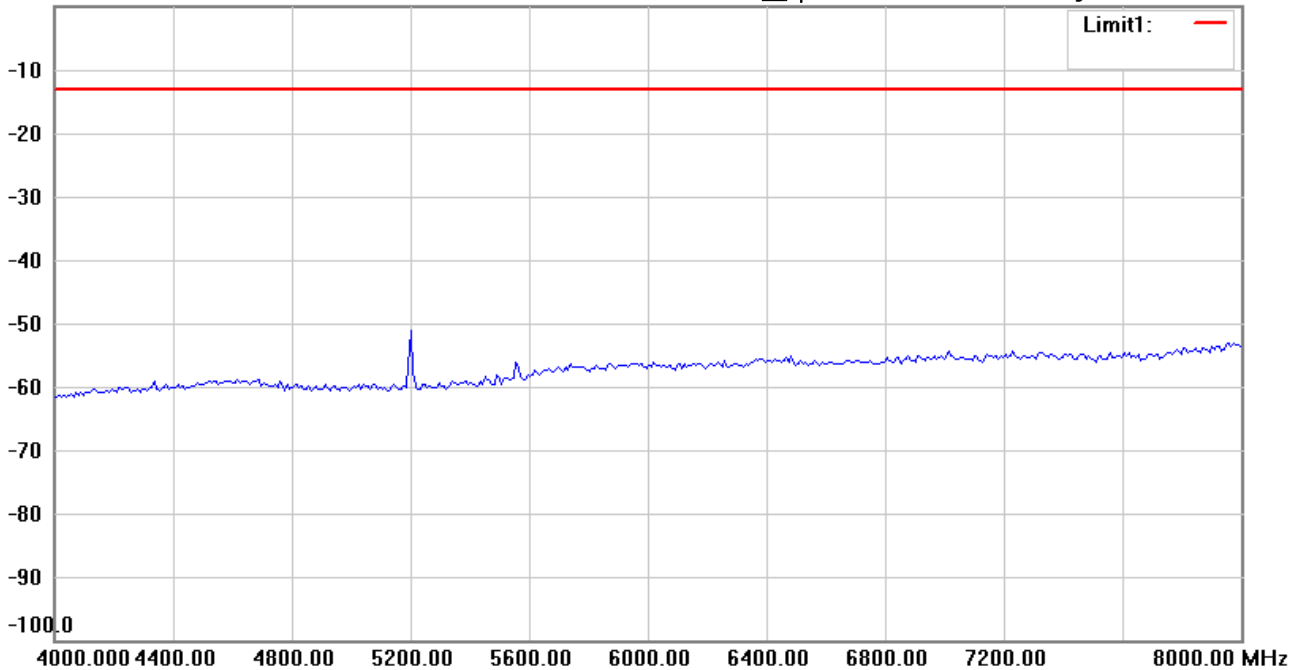
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 08:21:35

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band2-CH9262

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#7

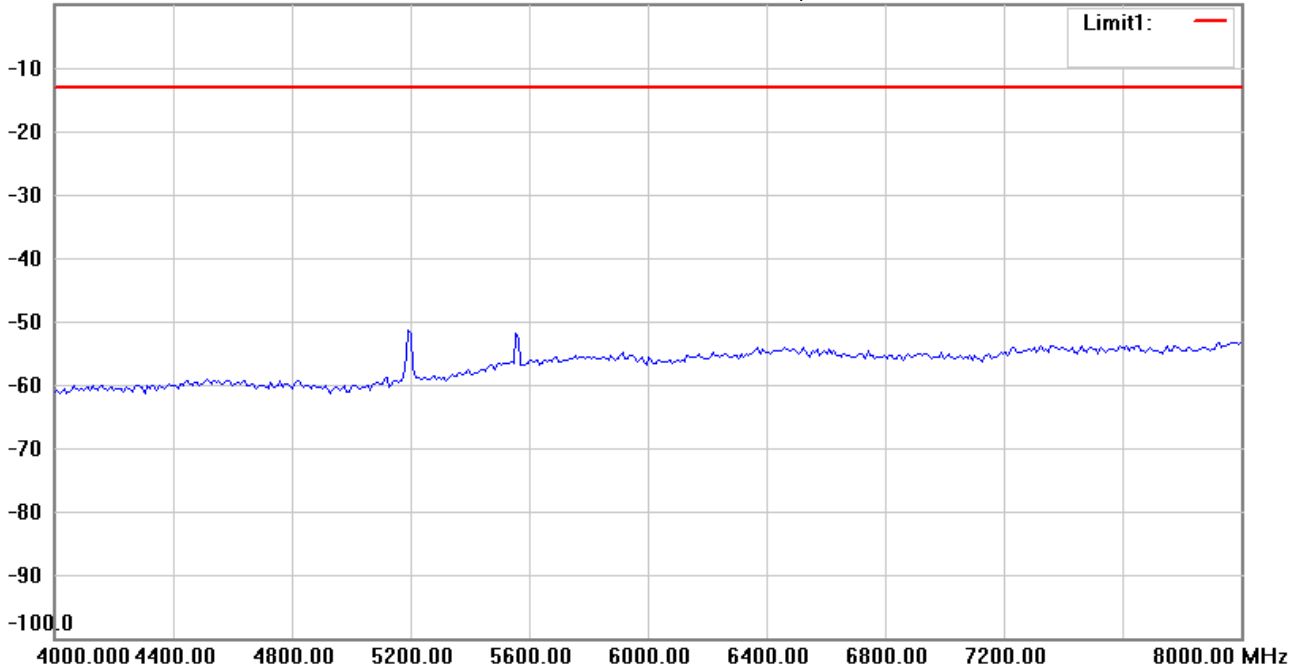
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 08:43:00

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band2-CH9262

Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin





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Radiated Emission Measurement

Operator: Sora

File :3

Data :#3

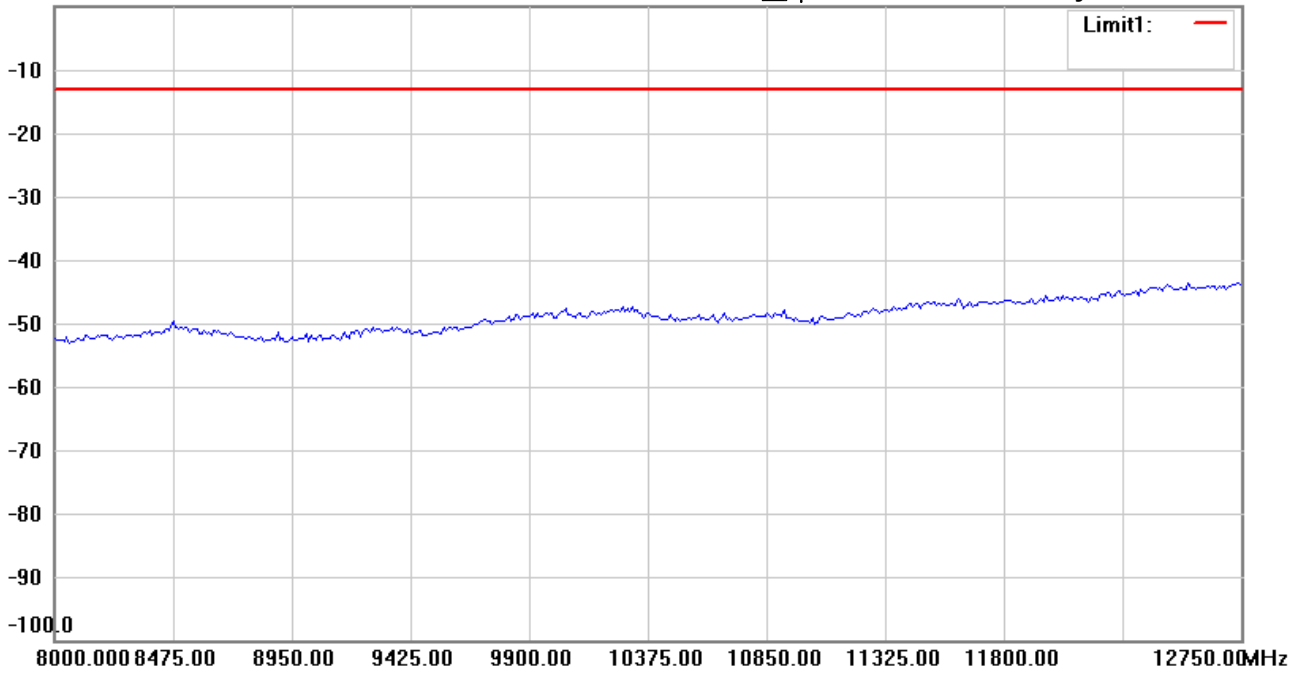
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 08:22:27

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band2-CH9262

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#8

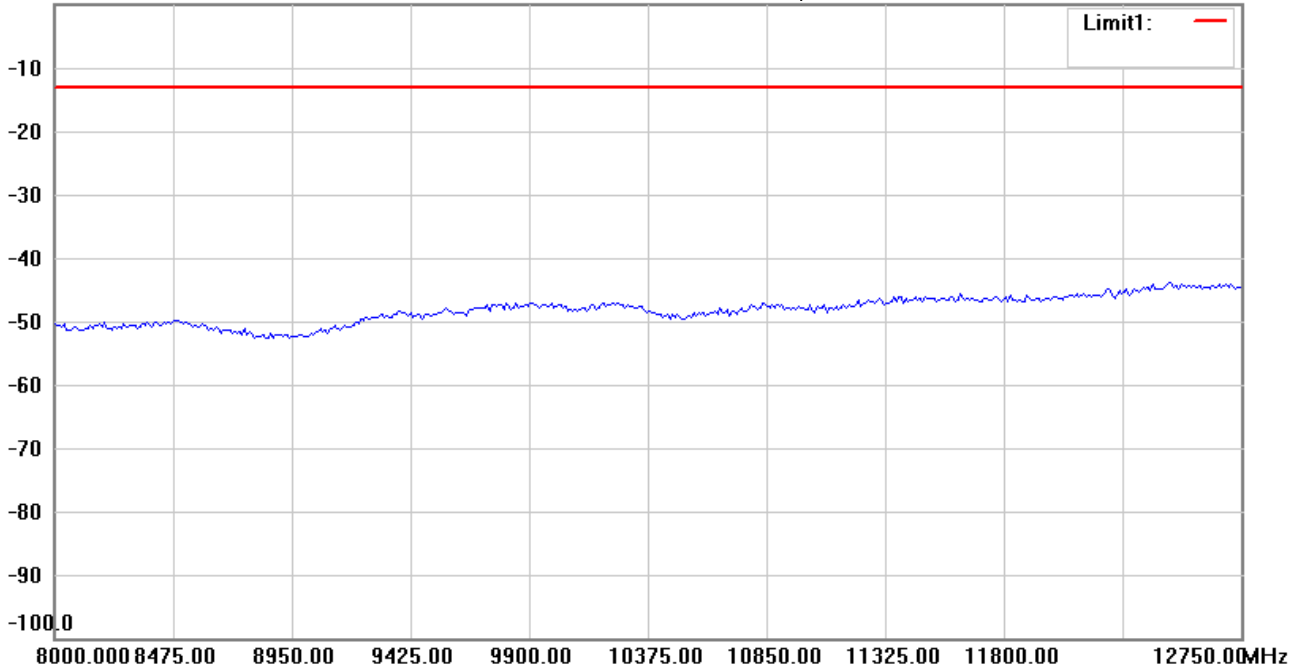
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 08:43:42

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band2-CH9262

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#4

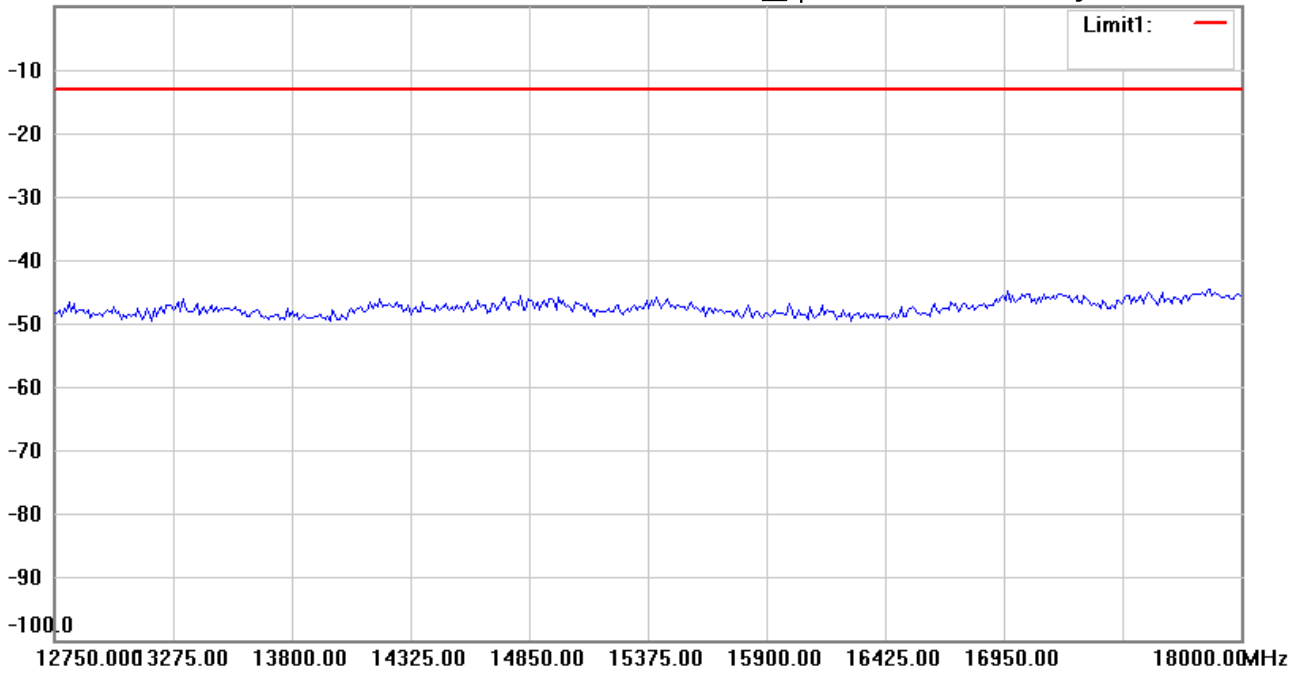
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 08:22:39

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band2-CH9262

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#9

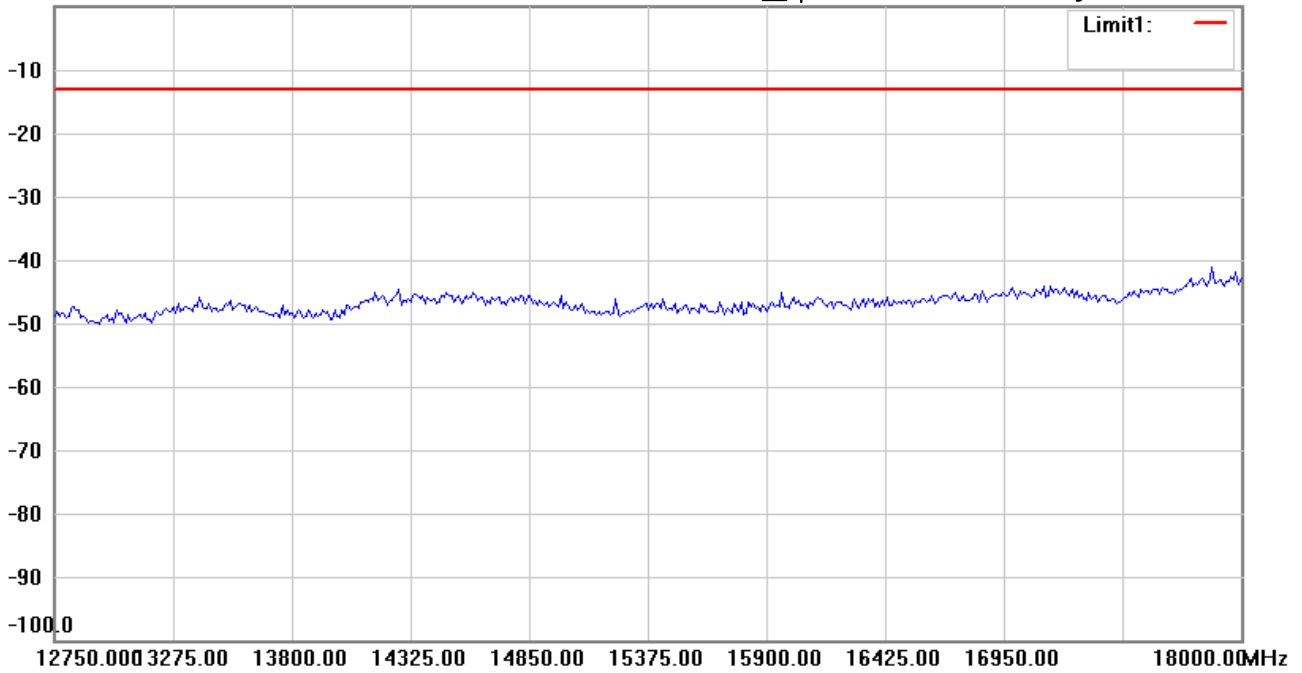
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 08:43:54

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band2-CH9262

Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#5

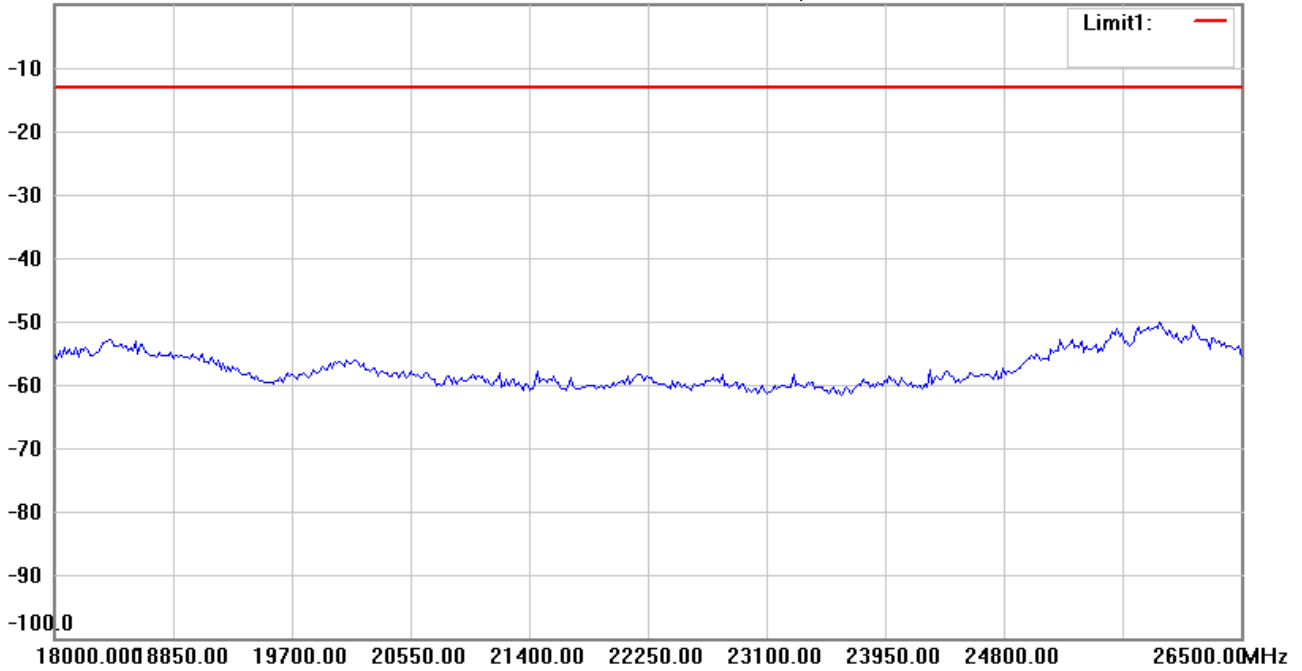
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 08:22:51

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band2-CH9262

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#10

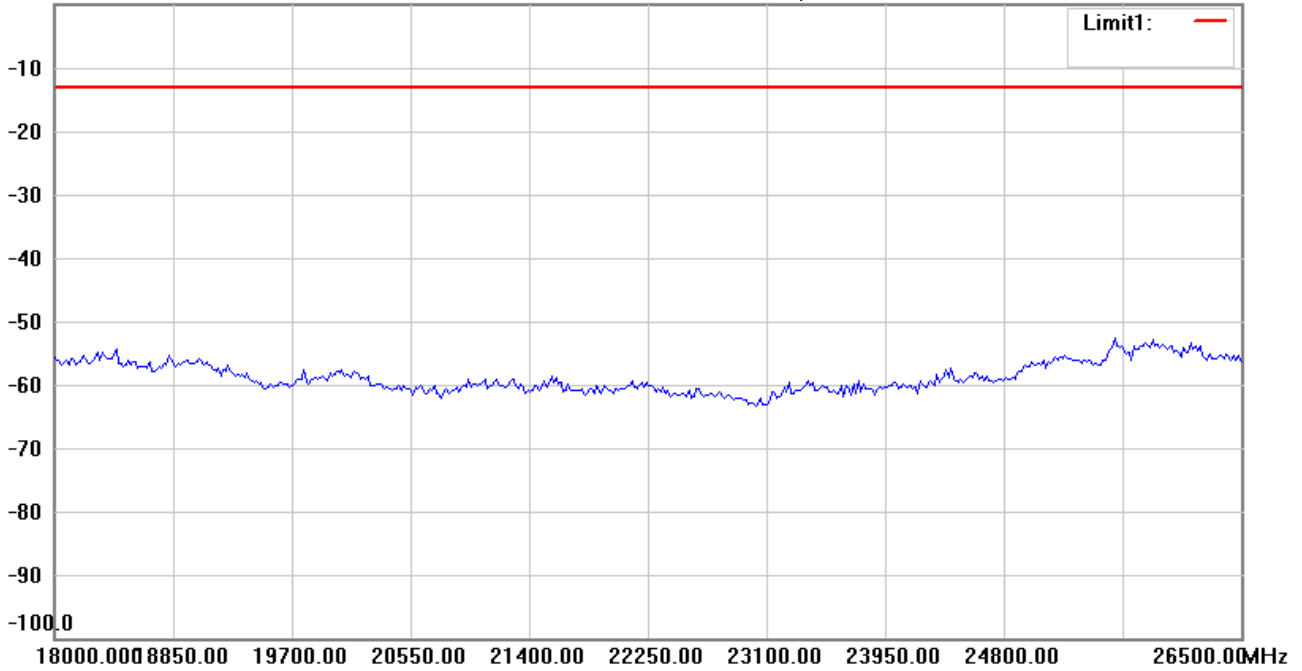
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 08:44:06

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band2-CH9262

Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	---------------	----------	-------------------	--------------	-------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :1

Data :#1

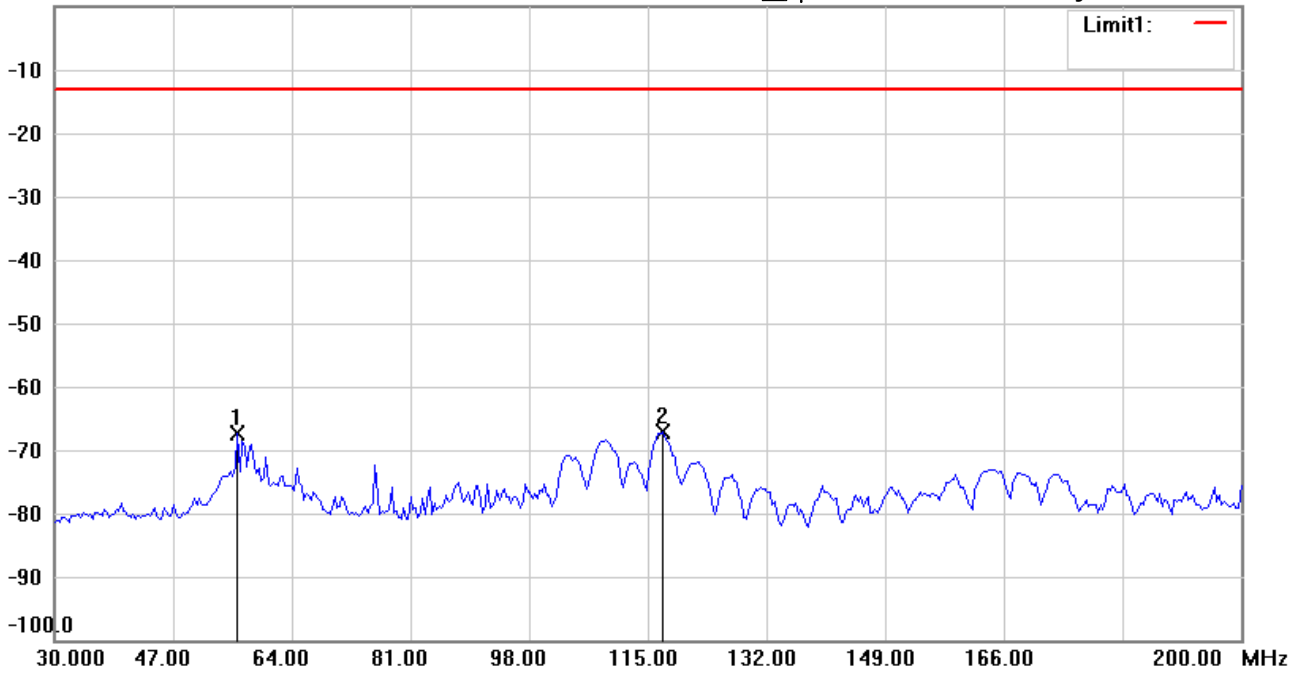
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 10:28:55

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band2-CH9400

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	56.2325	-91.83	peak	24.56	-67.27	-13.00	150	145	-54.27	
*	117.2144	-88.87	peak	21.82	-67.05	-13.00	150	190	-54.05	

\*:Maximum data    x:Over limit    !:over margin



Radiated Emission Measurement

Operator: Sora

File :1

Data :#2

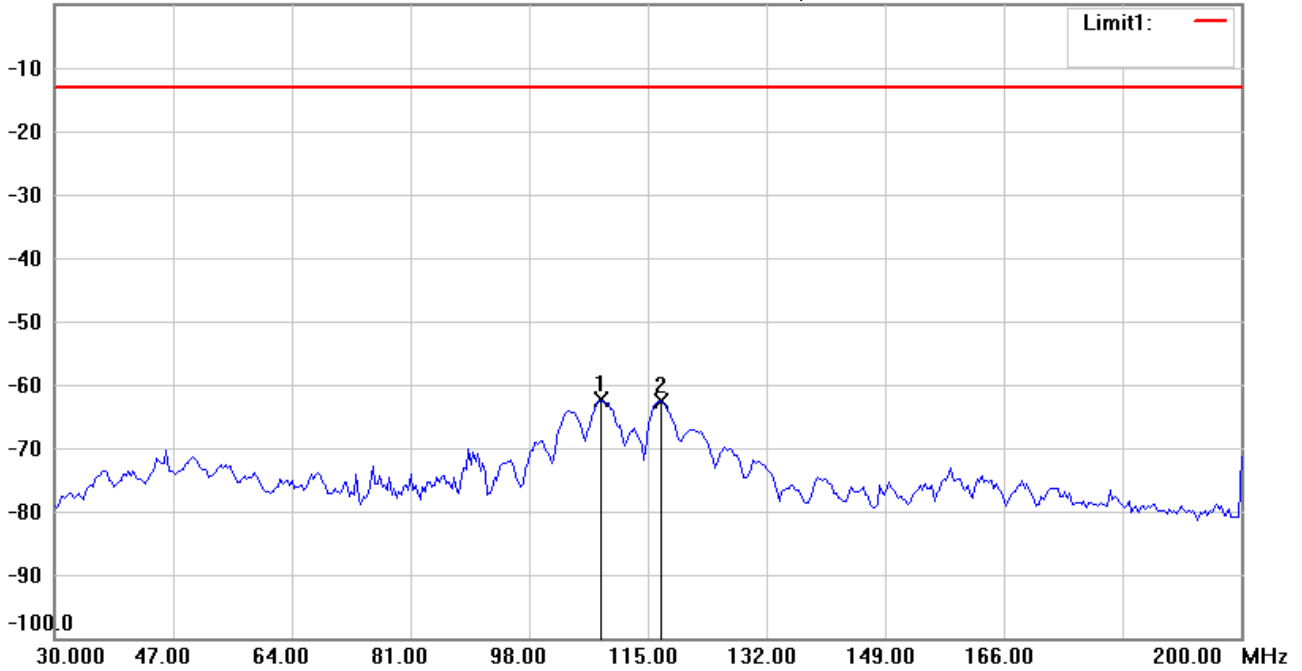
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 11:04:38

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band2-CH9400

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	108.3567	-86.37	peak	23.88	-62.49	-13.00	150	145	-49.49	
	116.8737	-85.83	peak	23.24	-62.59	-13.00	150	160	-49.59	





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Radiated Emission Measurement

Operator: Sora

File :2

Data :#1

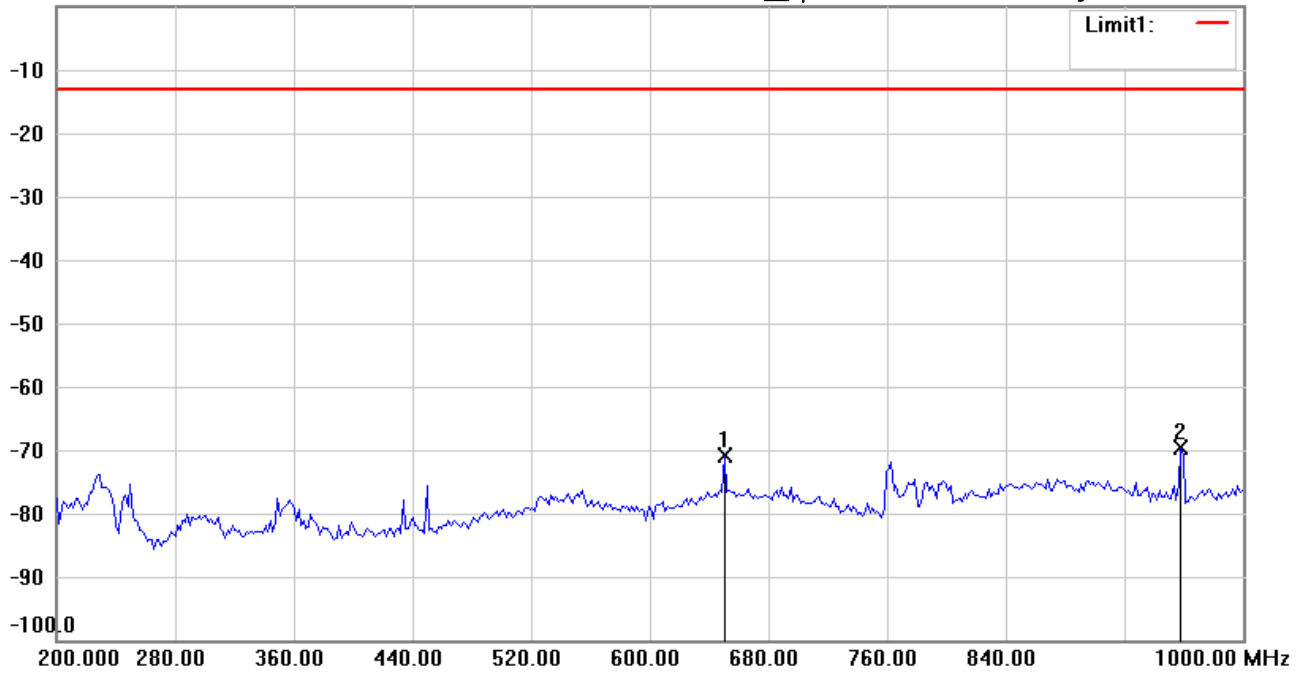
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 11:13:52

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band2-CH9400

Note :

Polarization: **Horizontal**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	650.5010	-71.64	peak	0.71	-70.93	-13.00	150	180	-57.93	
*	958.3166	-68.14	peak	-1.56	-69.70	-13.00	150	105	-56.70	

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :2

Data :#2

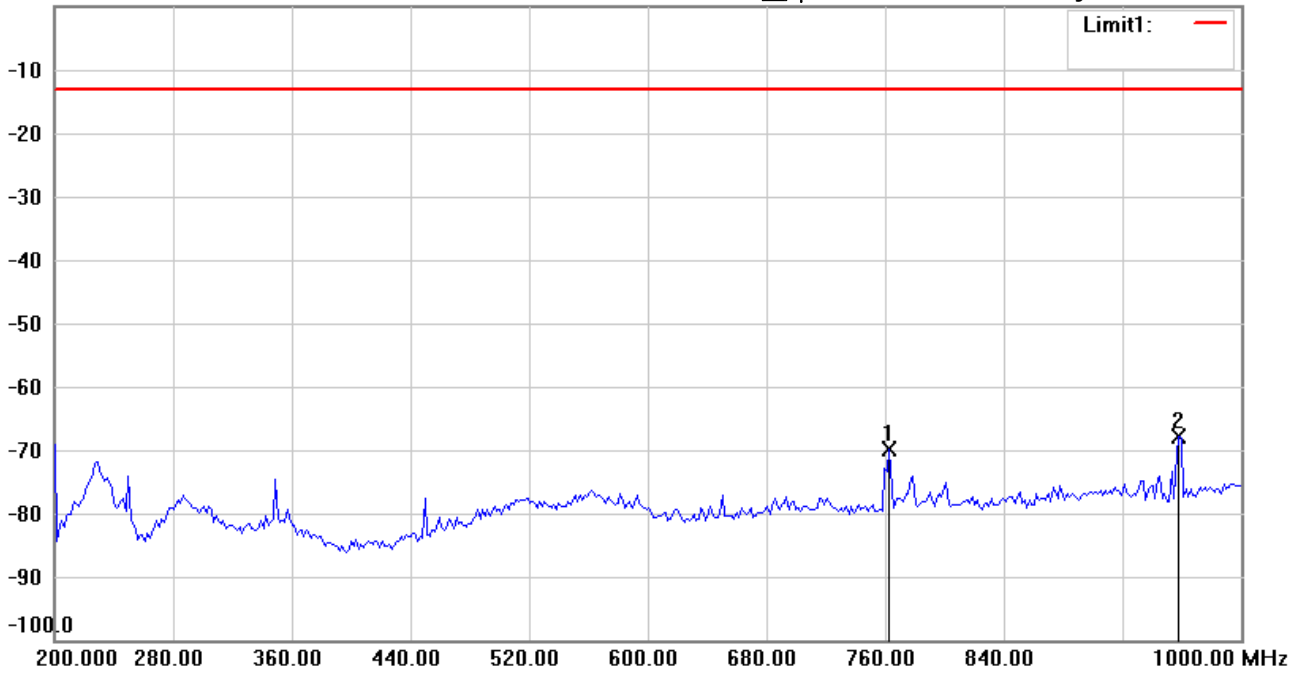
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 11:28:48

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band2-CH9400

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	762.7255	-67.98	peak	-2.00	-69.98	-13.00	150	245	-56.98	
*	958.3166	-67.00	peak	-0.82	-67.82	-13.00	150	290	-54.82	

\*:Maximum data    x:Over limit    !:over margin



Radiated Emission Measurement

Operator: Sora

File :3

Data :#1

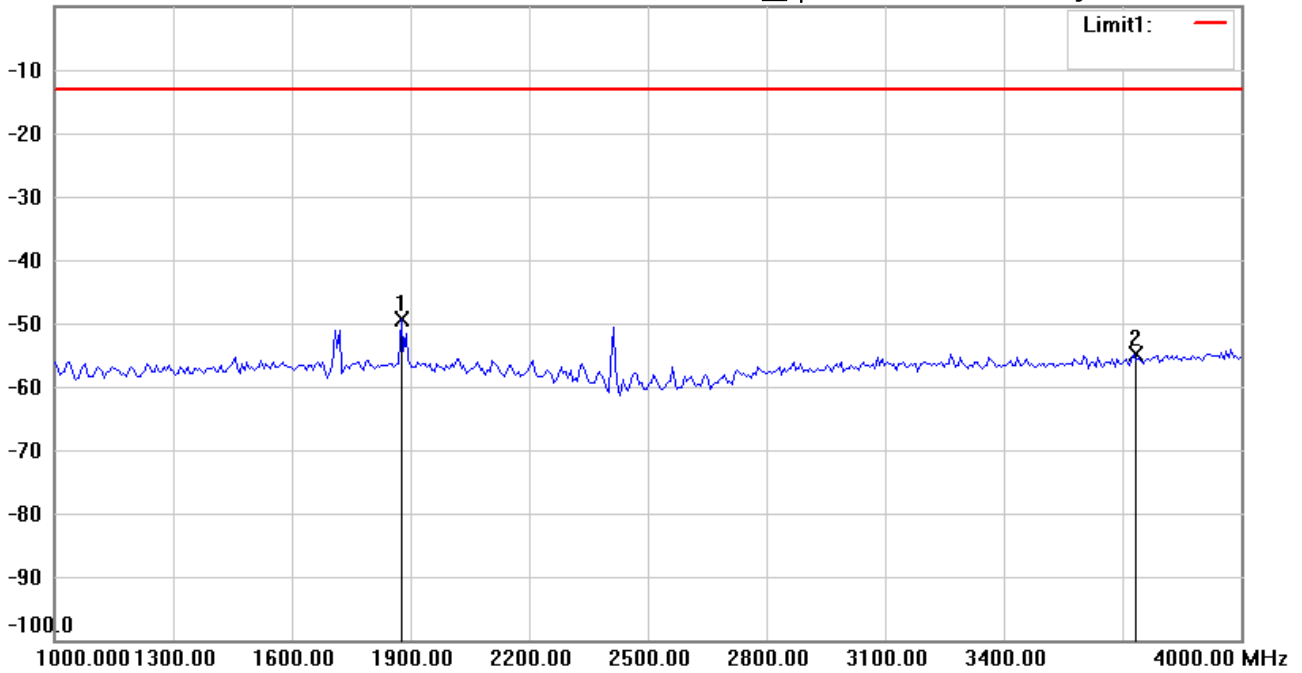
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 08:25:37

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band2-CH9400

Note :

Polarization: **Horizontal**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	1877.755	-55.32	peak	5.90	-49.42	-13.00	150	155	-36.42	
	3729.459	-62.02	peak	7.09	-54.93	-13.00	150	205	-41.93	



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#6

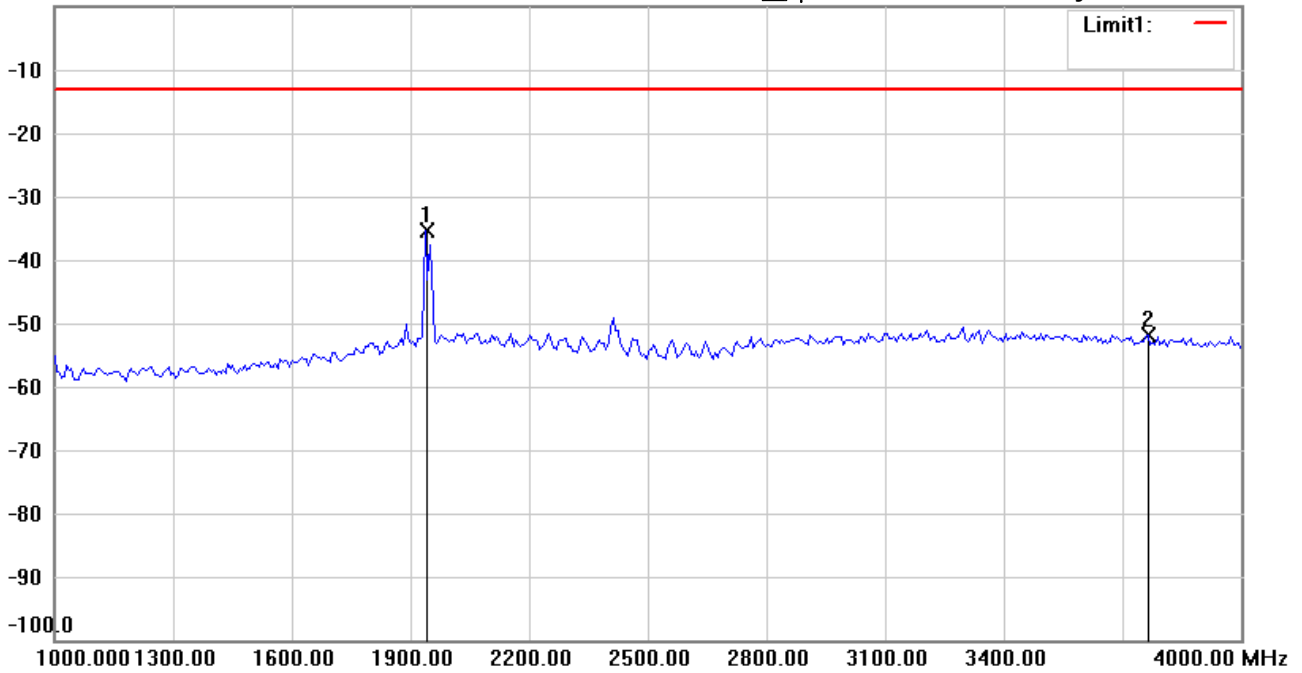
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 08:46:40

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band2-CH9400

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	1937.876	-45.17	peak	9.84	-35.33	-13.00	150	285	-22.33	
	3765.531	-62.06	peak	10.12	-51.94	-13.00	150	205	-38.94	

\*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#2

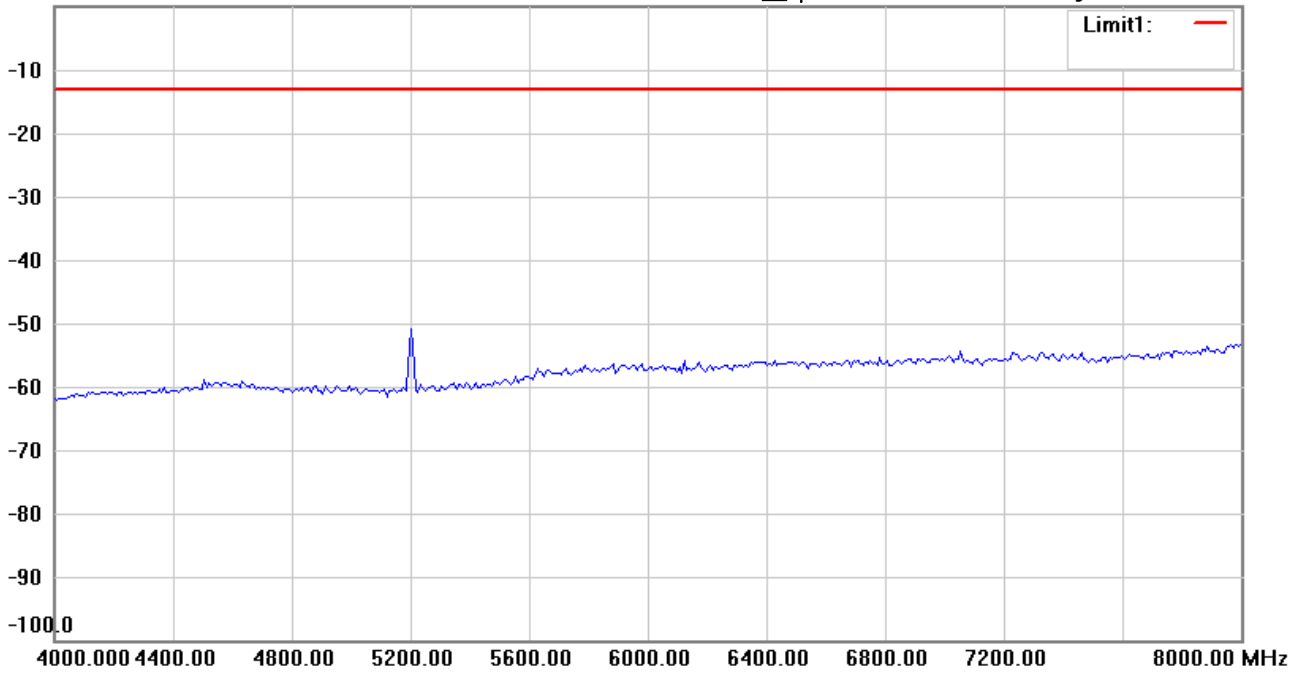
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 08:26:25

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band2-CH9400

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#7

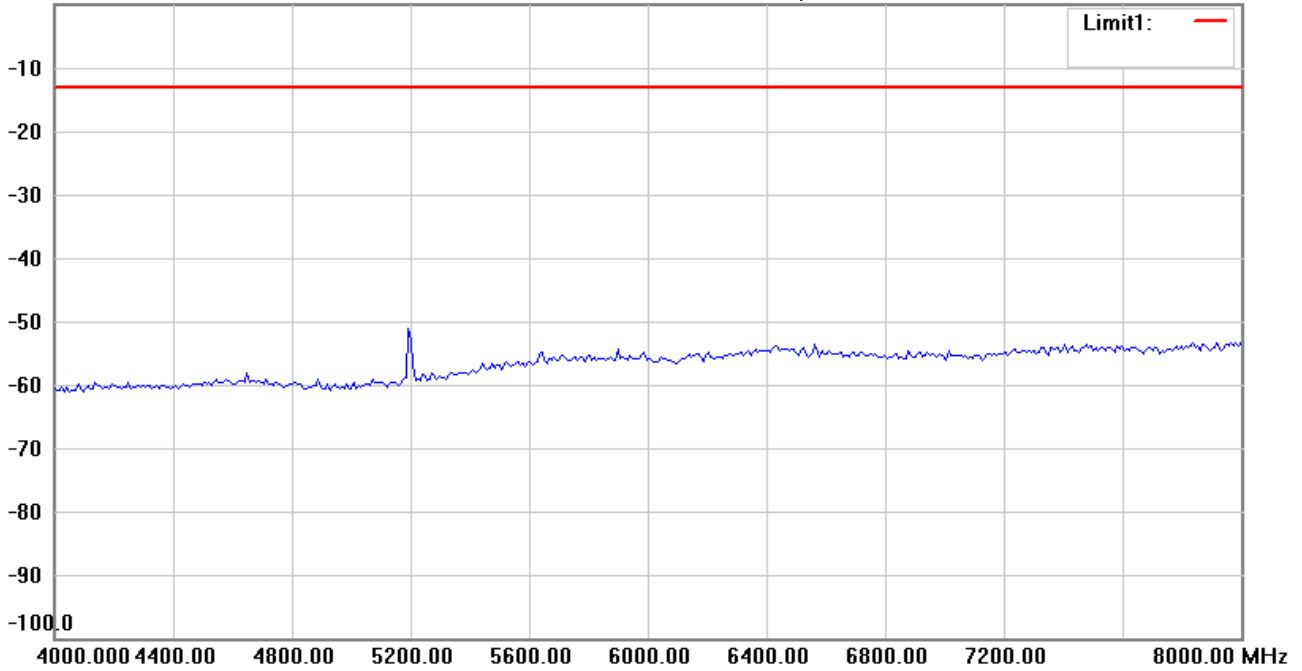
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 08:47:46

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band2-CH9400

Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	---------------	----------	-------------------	--------------	-------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#3

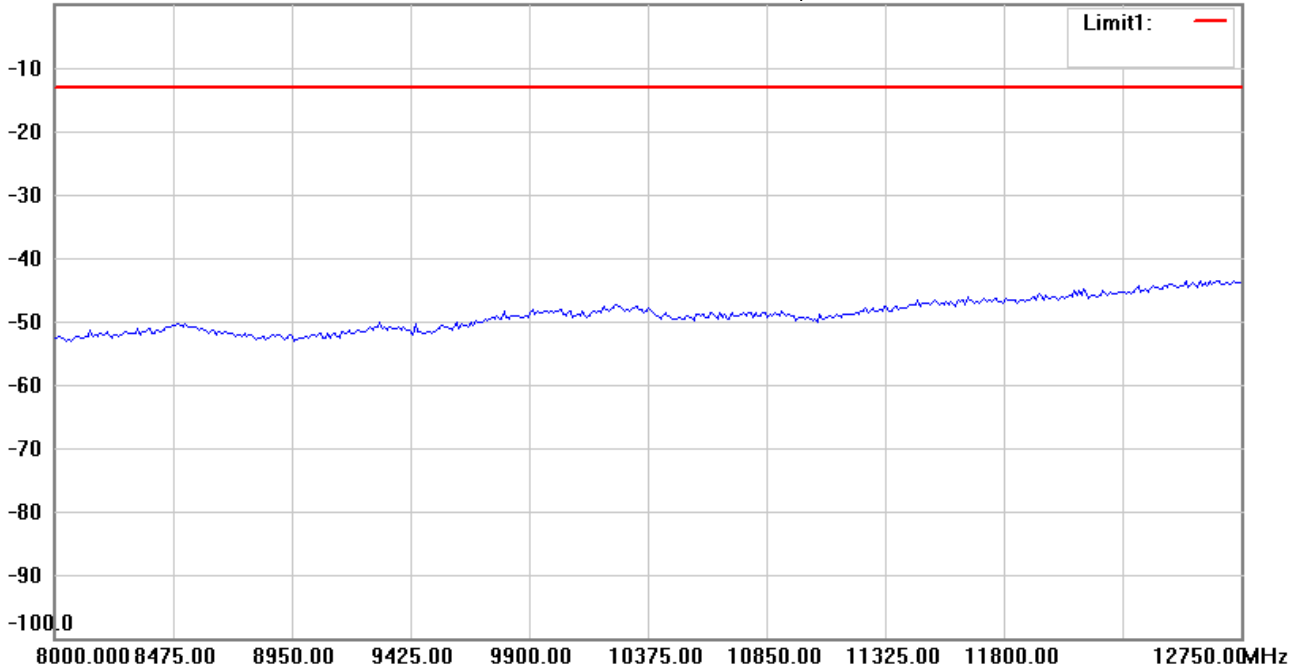
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 08:27:11

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band2-CH9400

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	---------------	----------	-------------------	--------------	-------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
 Tel:+886-2-6606-8877  
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Radiated Emission Measurement

Operator: Sora

File :3

Data :#8

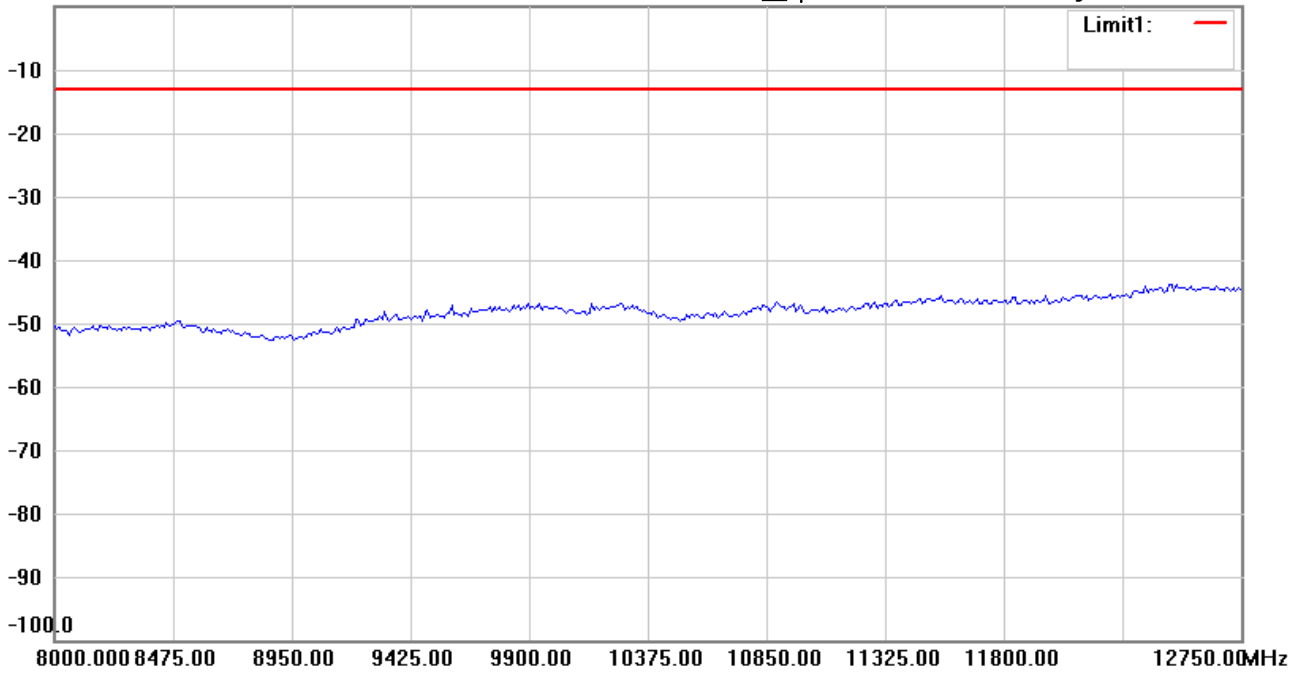
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 08:48:35

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band2-CH9400

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	---------------	----------	-------------------	--------------	-------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin





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Radiated Emission Measurement

Operator: Sora

File :3

Data :#4

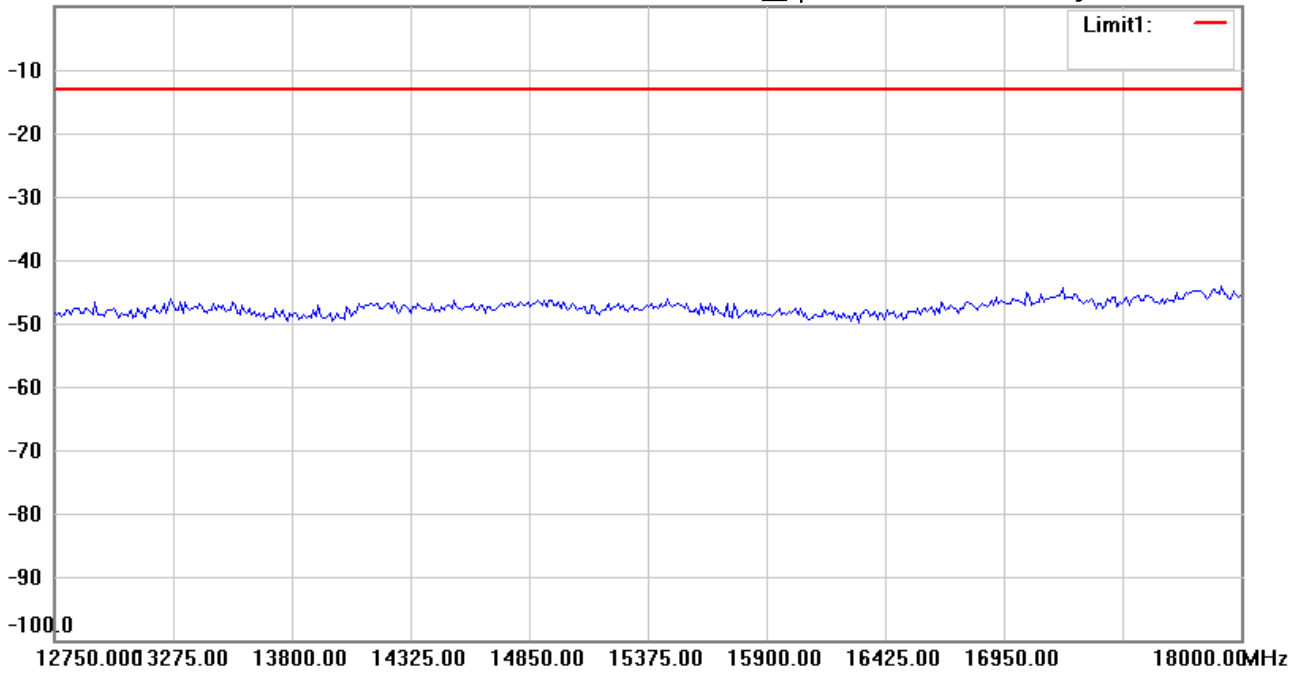
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 08:27:23

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

Polarization: *Horizontal*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : WCDMA-Band2-CH9400

Note :

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	---------------	----------	-------------------	--------------	-------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
 Tel:+886-2-6606-8877  
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Radiated Emission Measurement

Operator: Sora

File :3

Data :#9

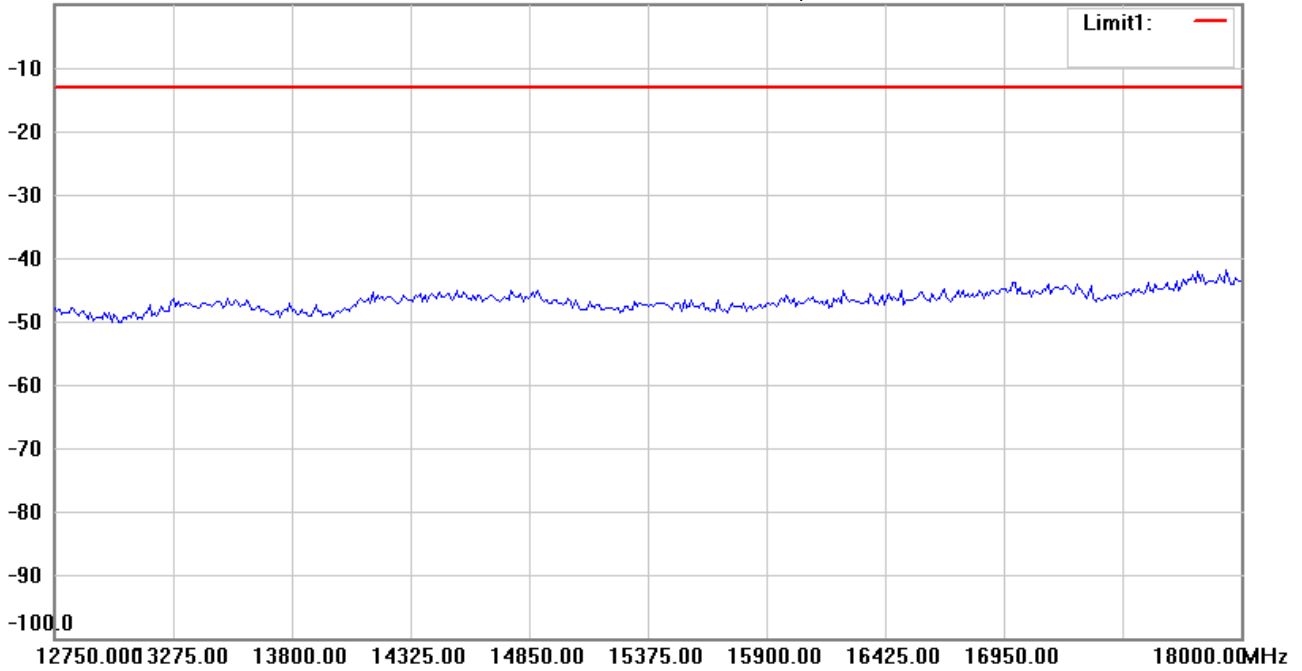
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 08:48:47

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band2-CH9400

Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	---------------	----------	-------------------	--------------	-------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#5

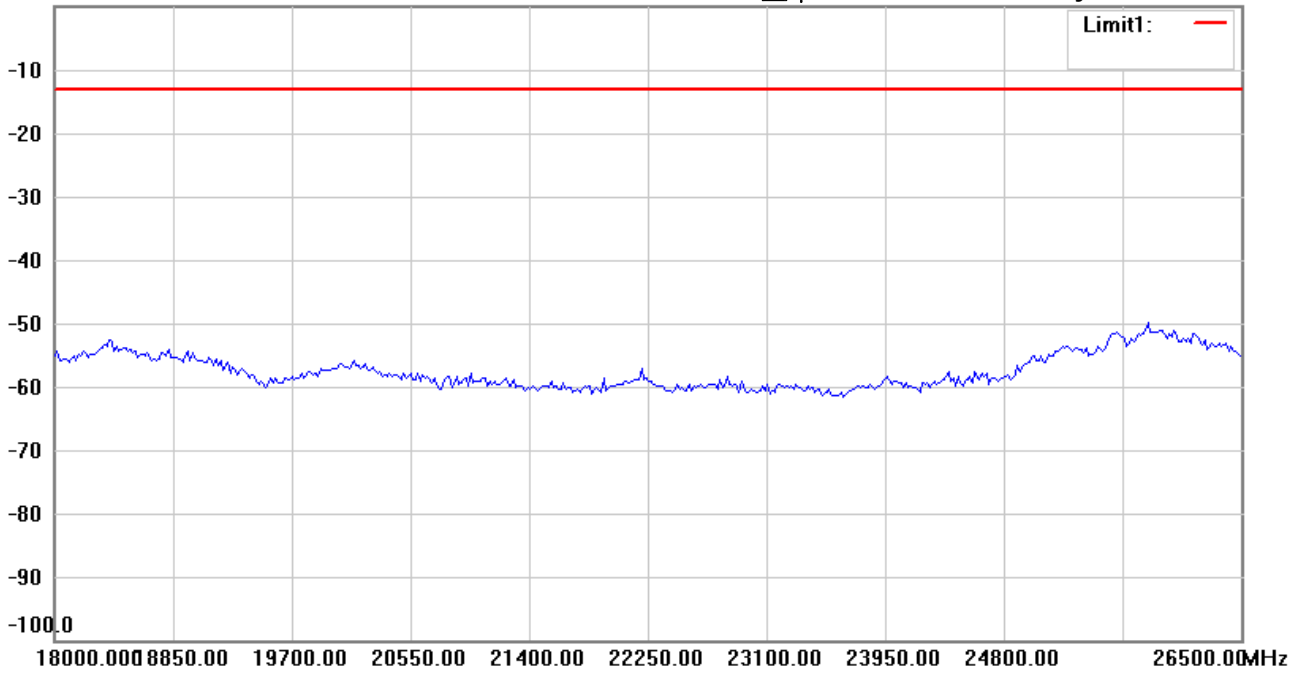
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 08:27:35

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band2-CH9400

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#10

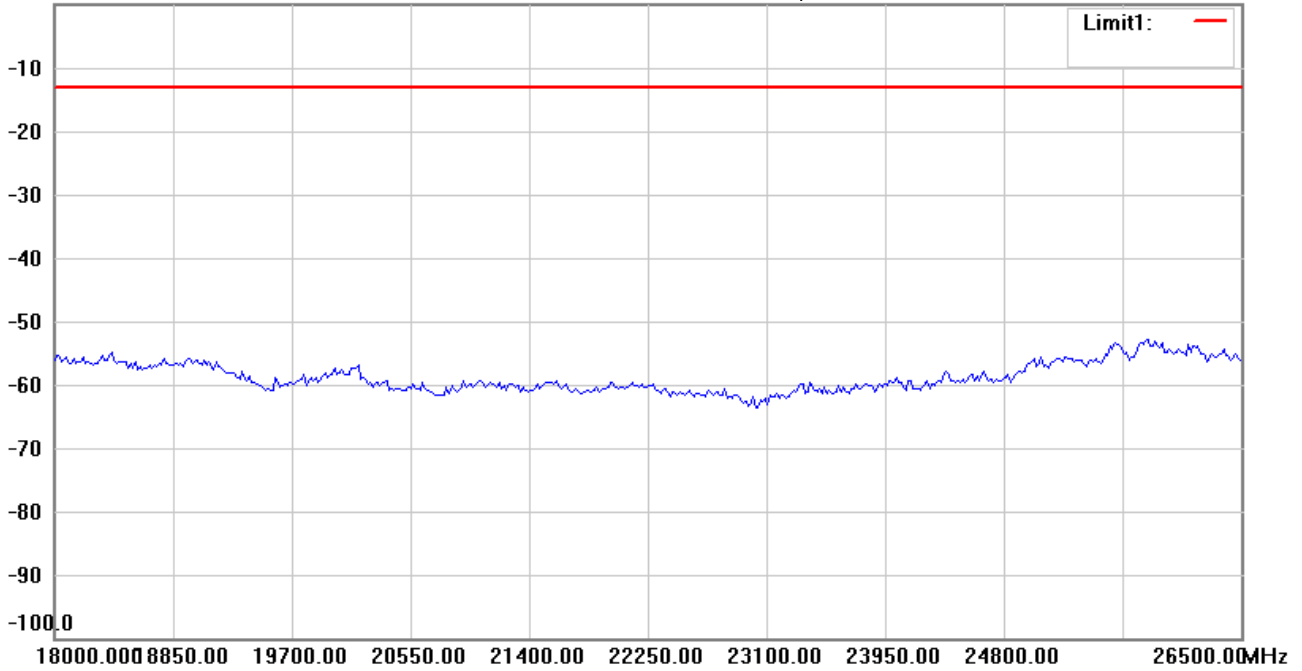
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 08:48:59

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band2-CH9400

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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**Radiated Emission Measurement**

Operator: Sora

File :1

Data :#1

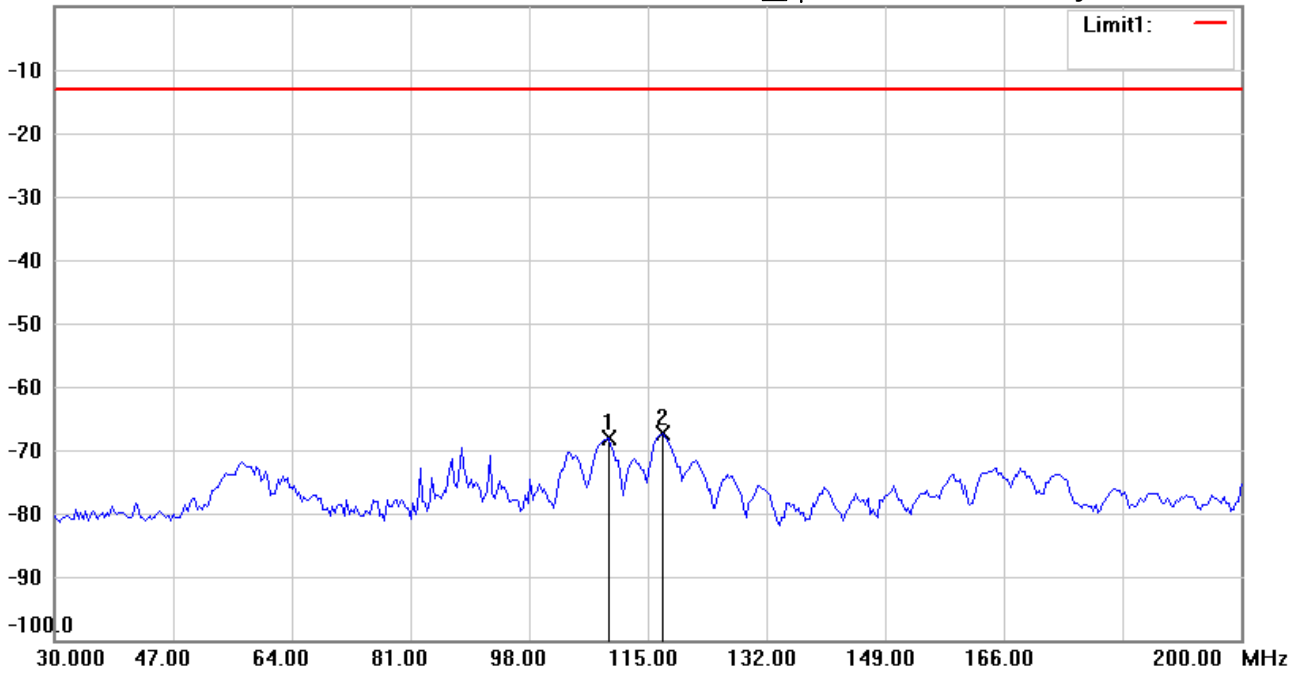
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 10:30:47

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band2-CH9538

Note :

Polarization: **Horizontal**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	109.3788	-90.42	peak	22.22	-68.20	-13.00	150	195	-55.20	
*	117.2144	-89.31	peak	21.82	-67.49	-13.00	150	205	-54.49	

\*:Maximum data    x:Over limit    !:over margin



Radiated Emission Measurement

Operator: Sora

File :1

Data :#2

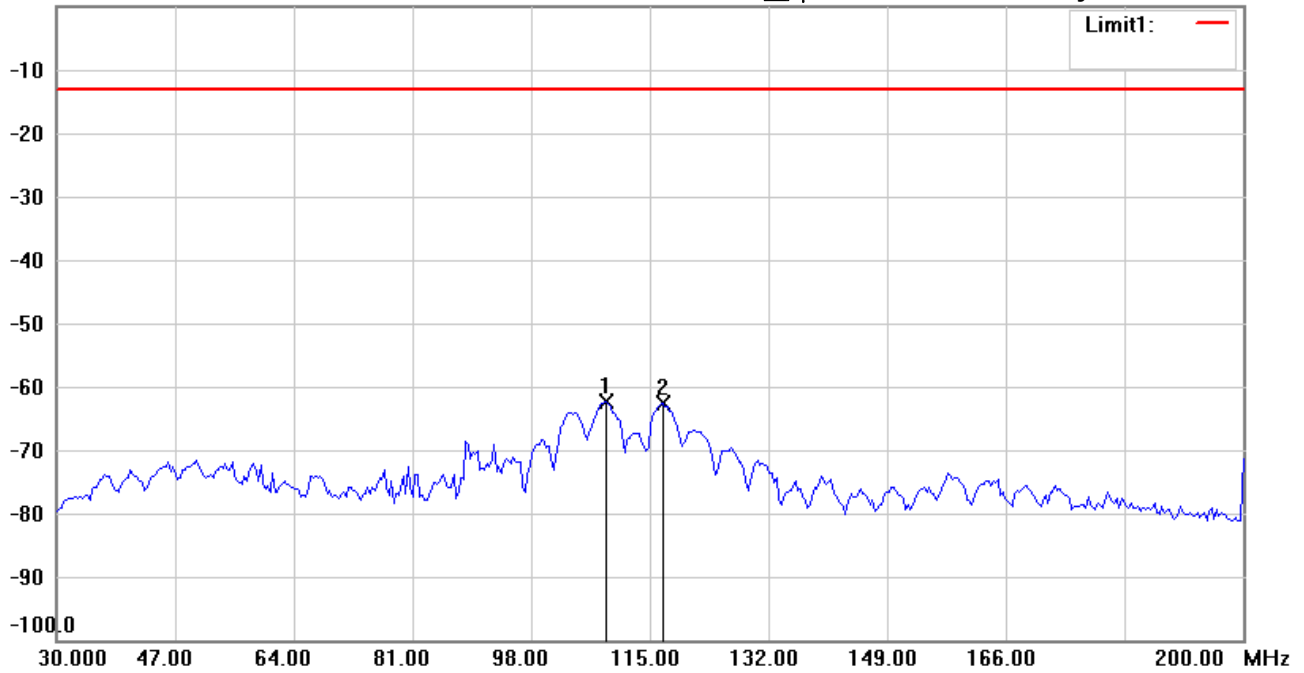
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 11:03:23

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band2-CH9538

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	108.6974	-86.30	peak	23.85	-62.45	-13.00	150	125	-49.45	
	116.8737	-85.97	peak	23.24	-62.73	-13.00	150	155	-49.73	



Radiated Emission Measurement

Operator: Sora

File :2

Data :#1

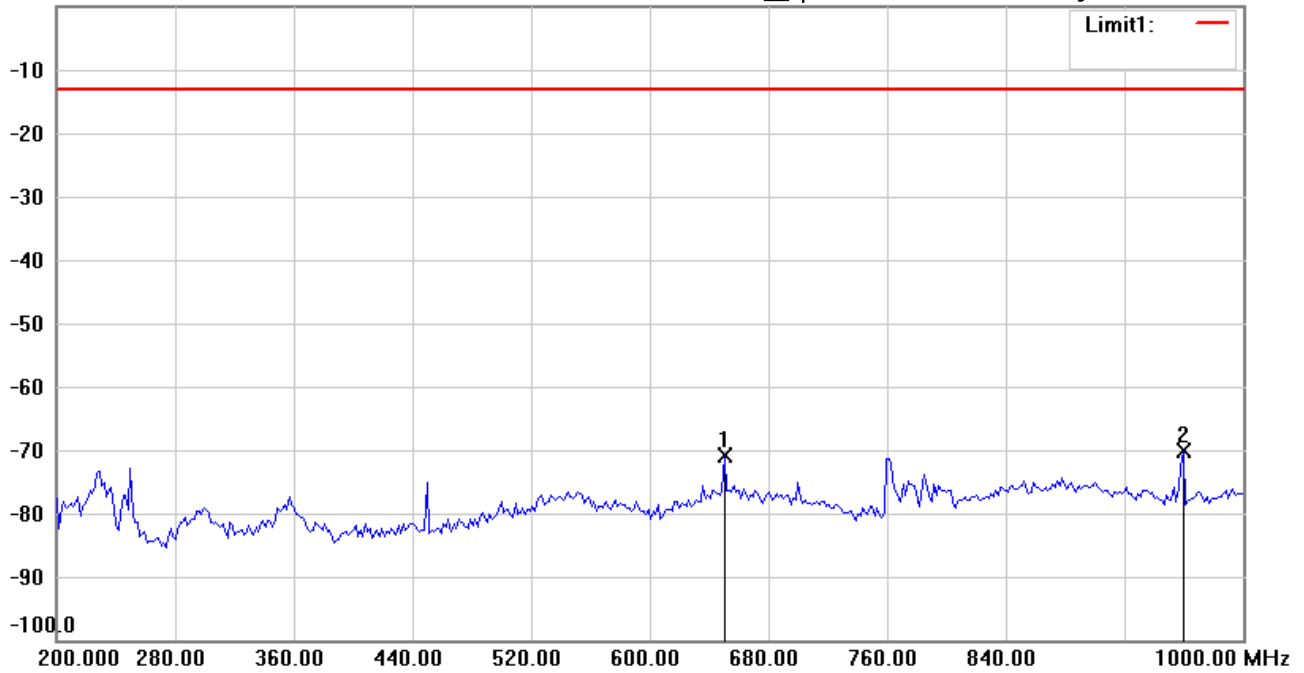
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 11:15:53

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band2-CH9538

Note :

Polarization: **Horizontal**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	650.5010	-71.65	peak	0.71	-70.94	-13.00	150	135	-57.94	
*	959.9198	-68.63	peak	-1.52	-70.15	-13.00	150	55	-57.15	



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Radiated Emission Measurement

Operator: Sora

File :2

Data :#2

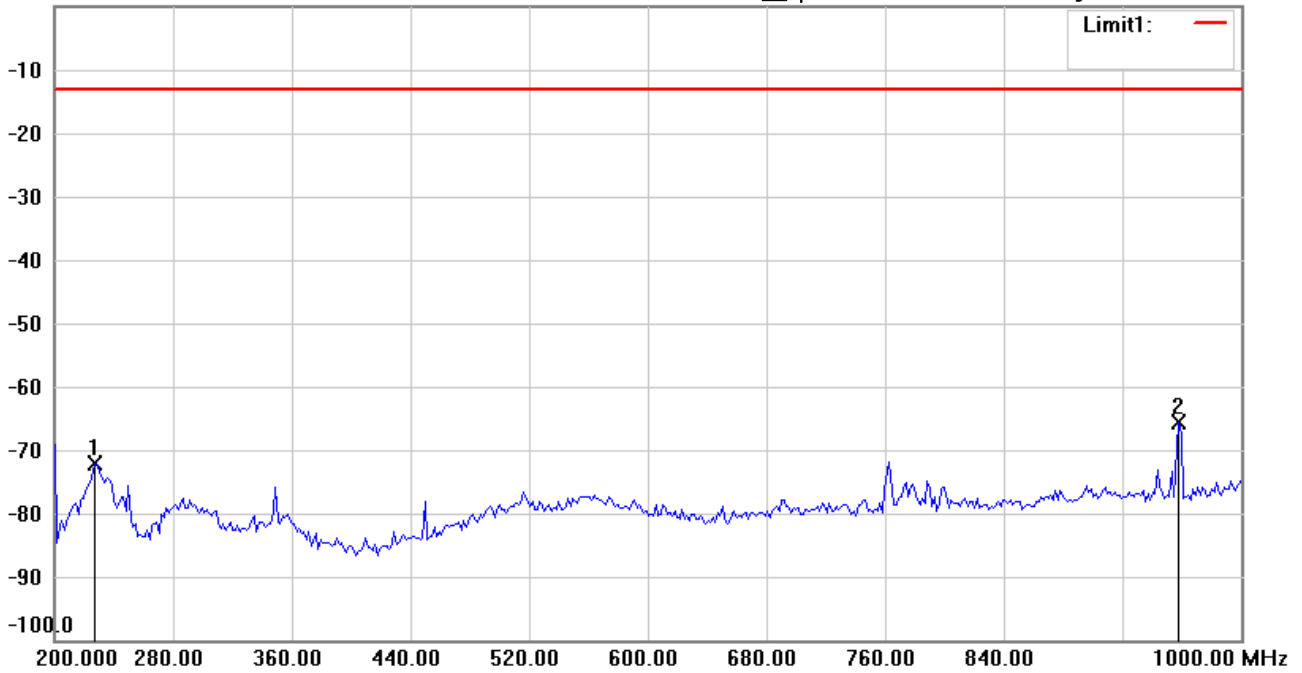
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 11:27:40

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band2-CH9538

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	227.2545	-58.91	peak	-13.13	-72.04	-13.00	150	205	-59.04	
*	958.3166	-64.77	peak	-0.82	-65.59	-13.00	150	330	-52.59	

\*:Maximum data    x:Over limit    !:over margin





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Radiated Emission Measurement

Operator: Sora

File :3

Data :#1

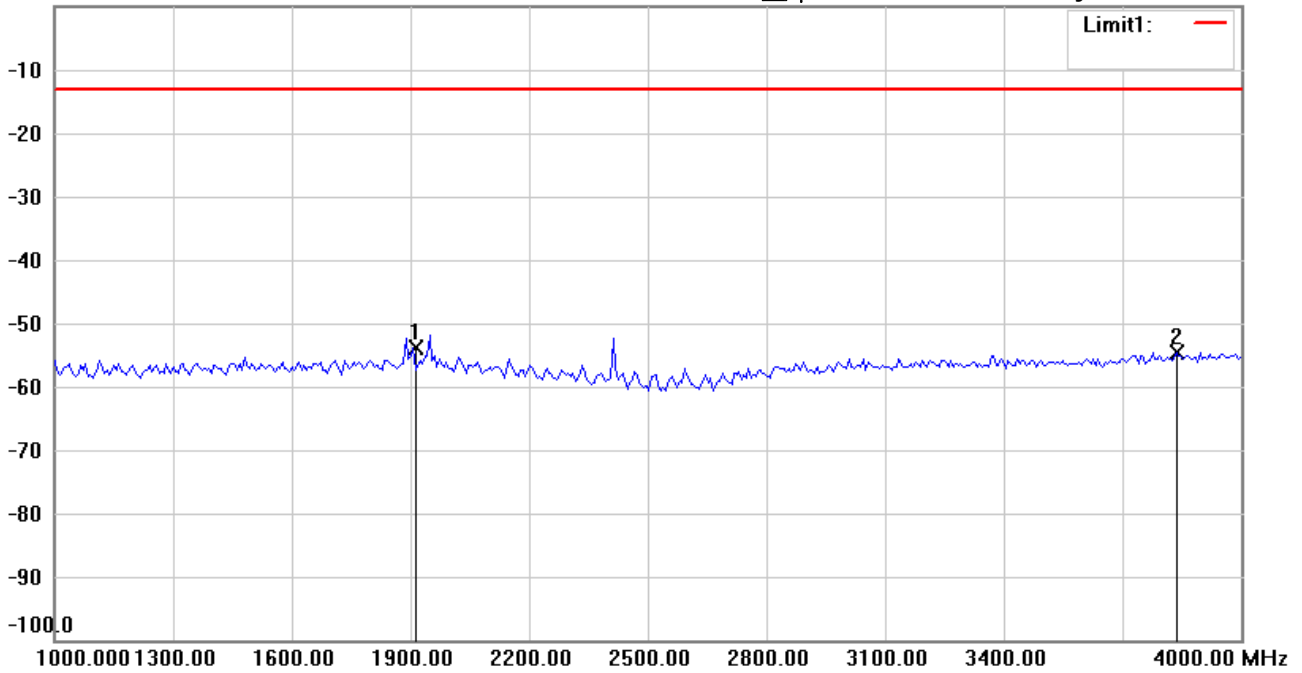
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 08:30:28

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band2-CH9538

Note :

Polarization: **Horizontal**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	1907.816	-59.80	peak	5.92	-53.88	-13.00	150	160	-40.88	
	3837.675	-62.10	peak	7.51	-54.59	-13.00	150	65	-41.59	

\*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#6

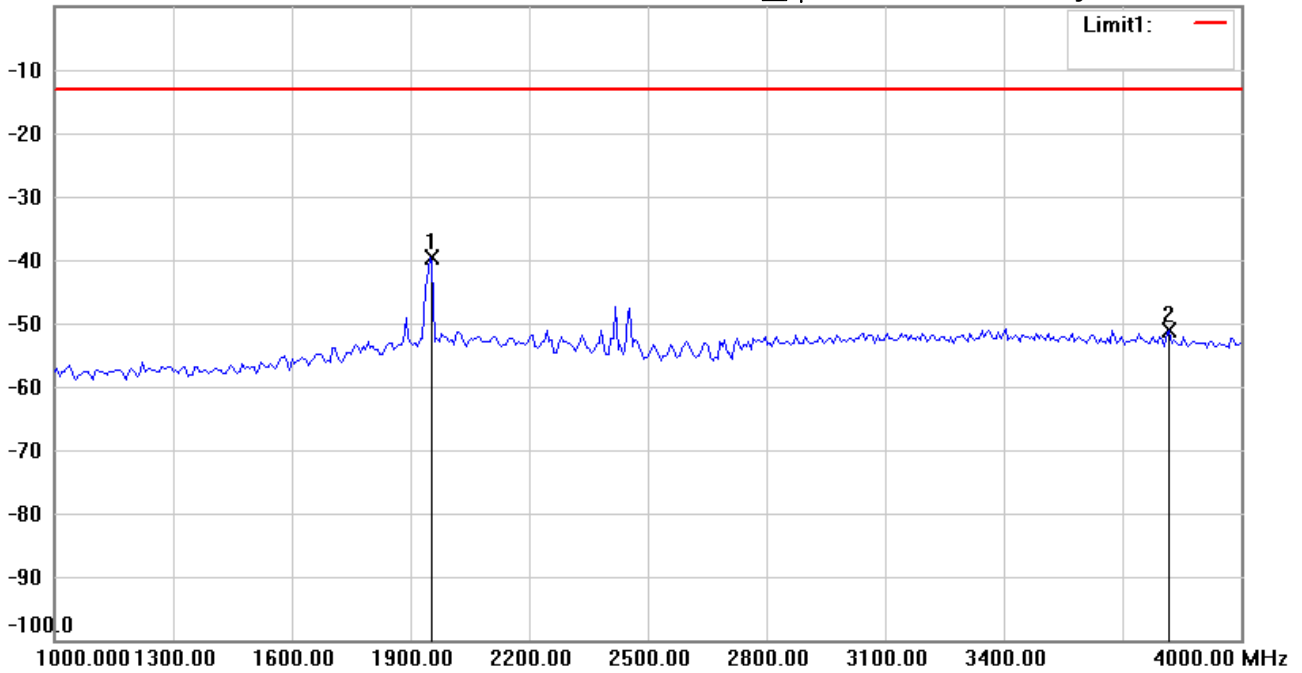
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 08:36:47

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band2-CH9538

Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	1949.900	-49.62	peak	9.96	-39.66	-13.00	150	255	-26.66	
	3819.639	-61.18	peak	10.06	-51.12	-13.00	150	185	-38.12	

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#2

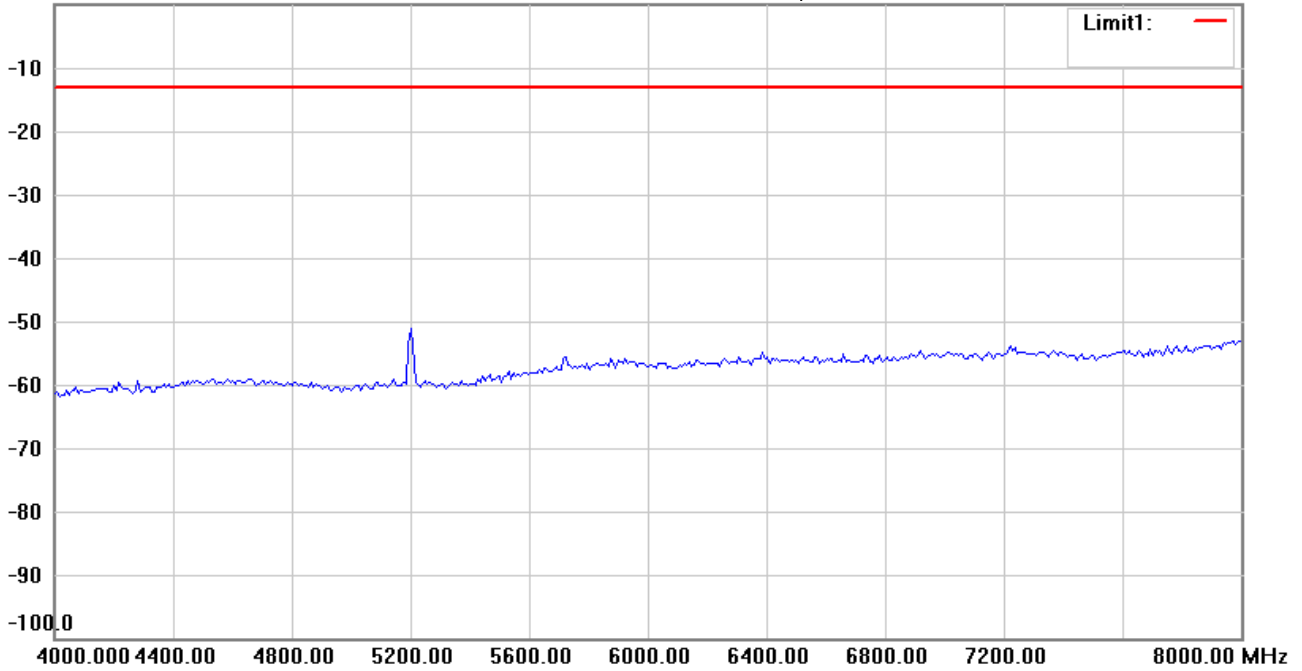
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 08:31:09

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band2-CH9538

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#7

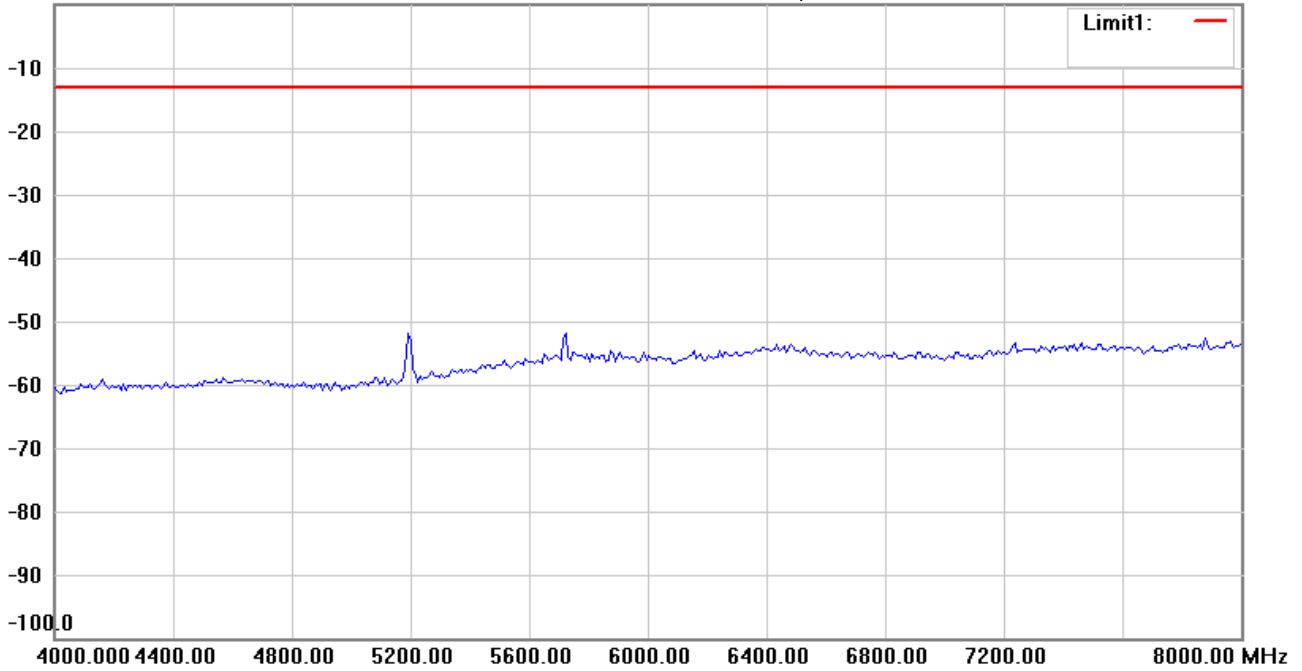
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 08:37:28

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band2-CH9538

Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	---------------	----------	-------------------	--------------	-------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
 Tel:+886-2-6606-8877  
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Radiated Emission Measurement

Operator: Sora

File :3

Data :#3

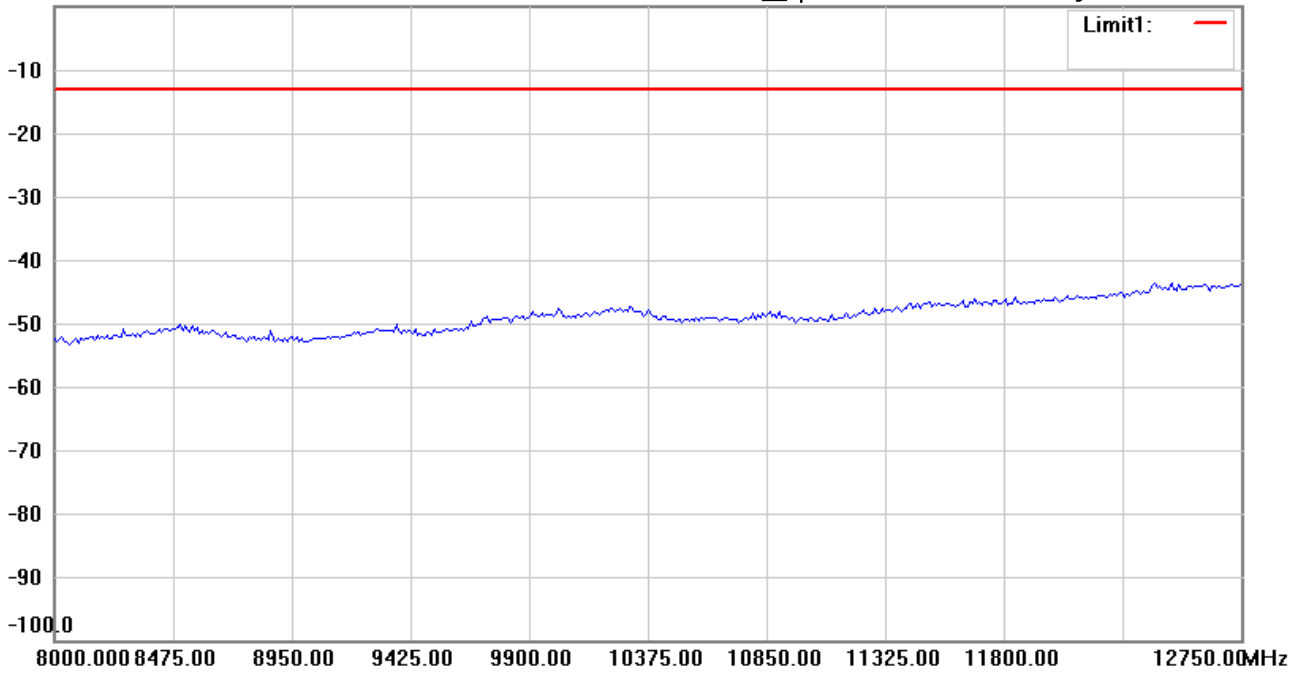
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 08:32:26

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

Polarization: *Horizontal*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : WCDMA-Band2-CH9538

Note :

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	---------------	----------	-------------------	--------------	-------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



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 Tel:+886-2-6606-8877  
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Radiated Emission Measurement

Operator: Sora

File :3

Data :#8

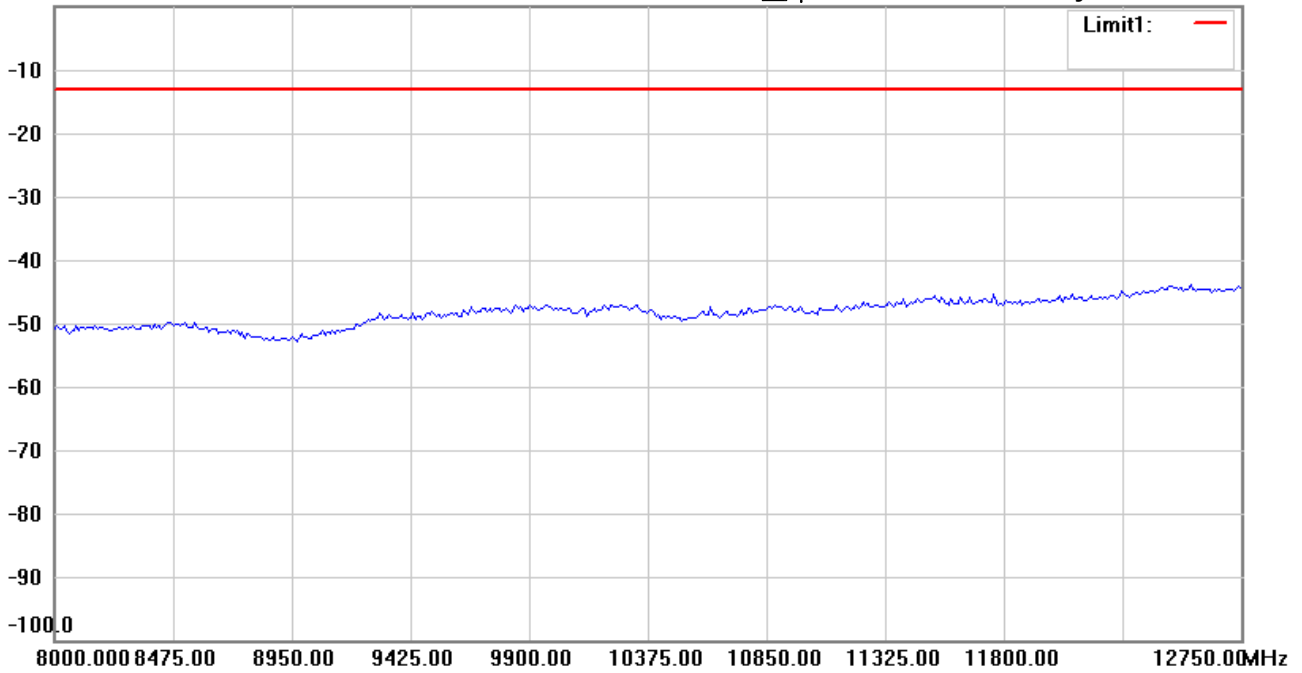
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 08:38:24

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

Polarization: *Vertical*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : WCDMA-Band2-CH9538

Note :

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#4

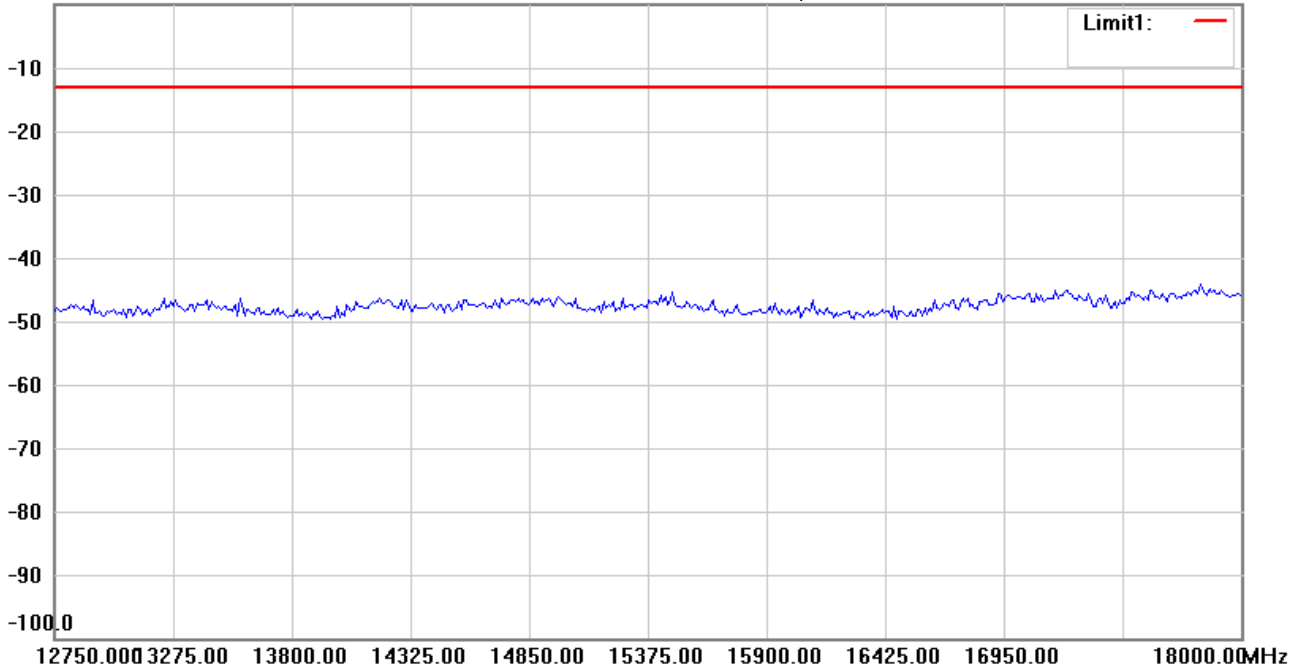
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 08:32:38

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band2-CH9538

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	---------------	----------	-------------------	--------------	-------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#9

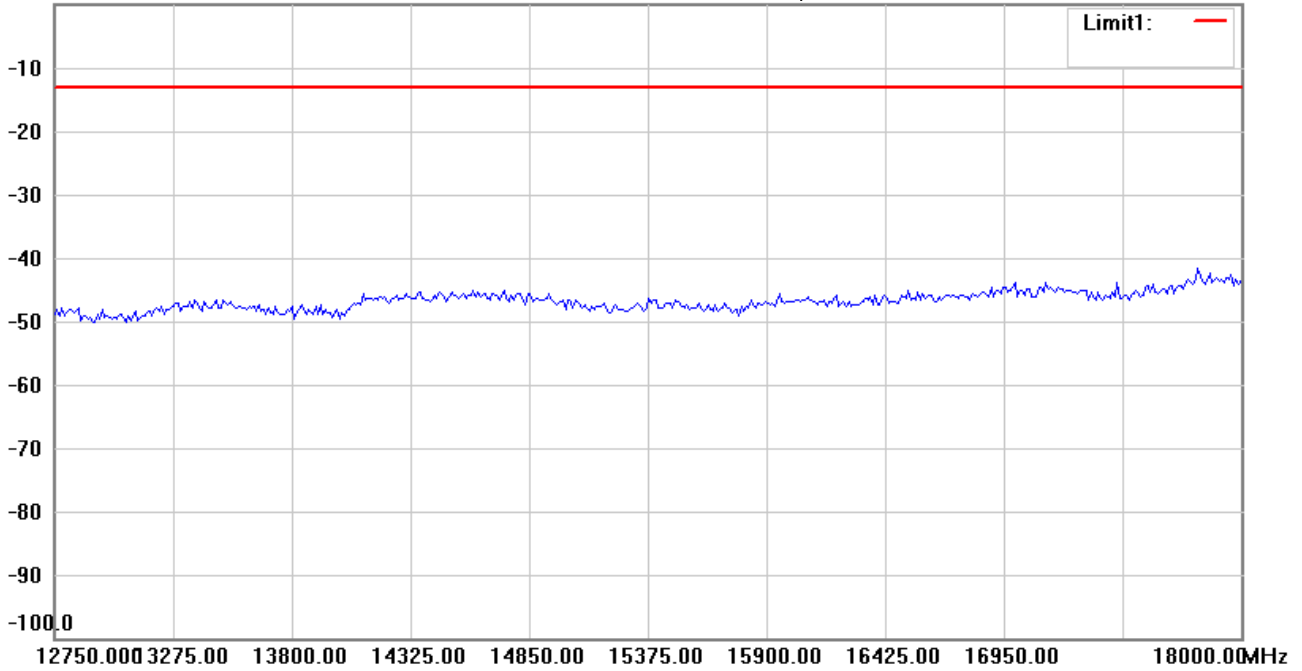
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 08:38:36

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band2-CH9538

Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	---------------	----------	-------------------	--------------	-------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin





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Radiated Emission Measurement

Operator: Sora

File :3

Data :#5

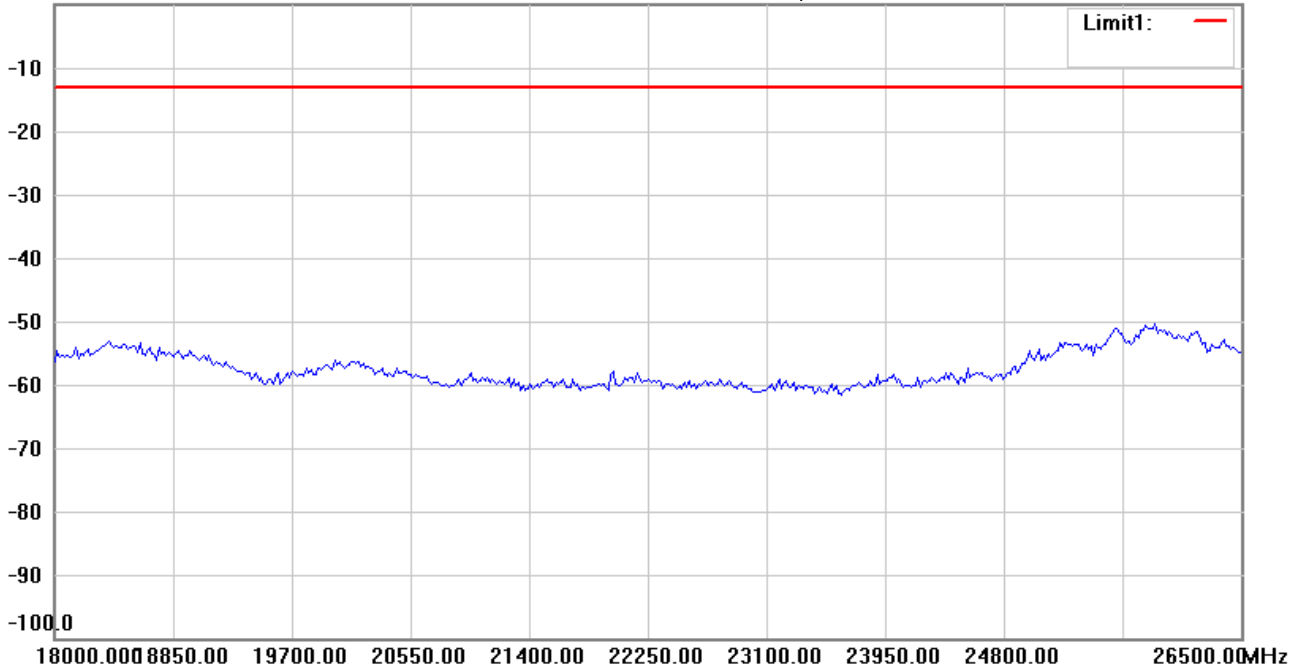
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 08:32:50

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band2-CH9538

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	---------------	----------	-------------------	--------------	-------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#10

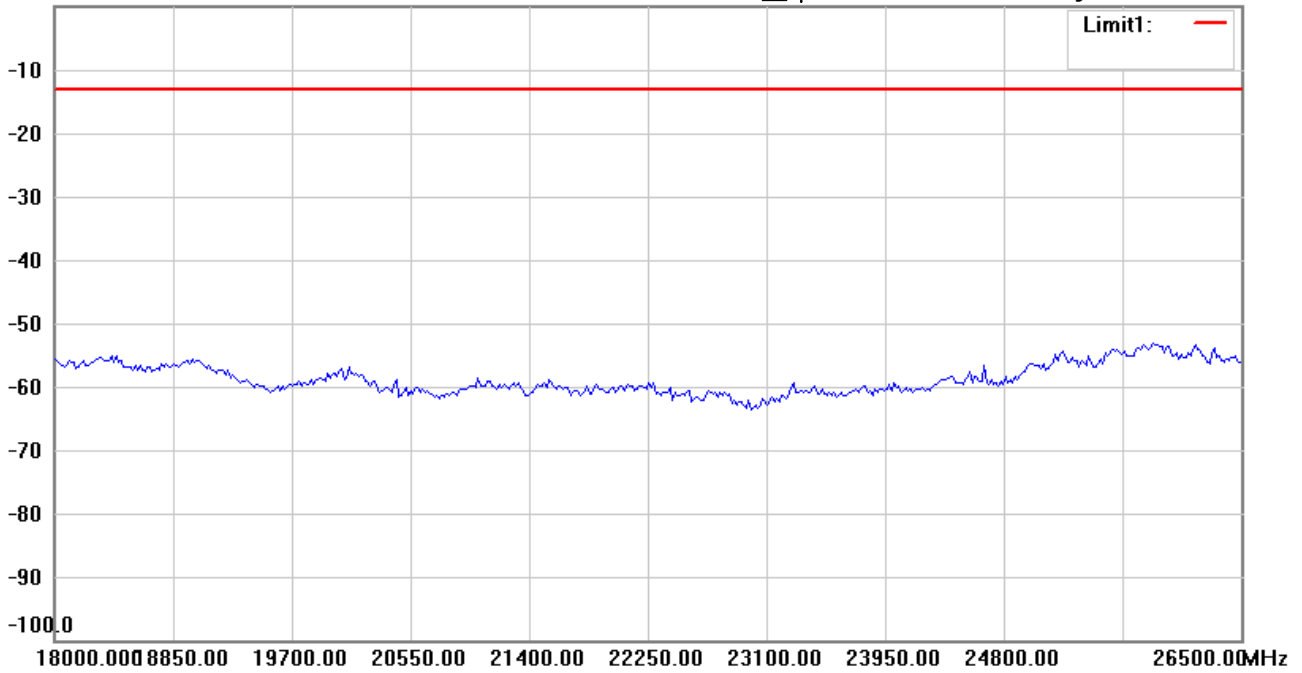
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 08:38:48

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band2-CH9538

Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	---------------	----------	-------------------	--------------	-------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
 Tel:+886-2-6606-8877  
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Radiated Emission Measurement

Operator: Sora

File :1

Data :#1

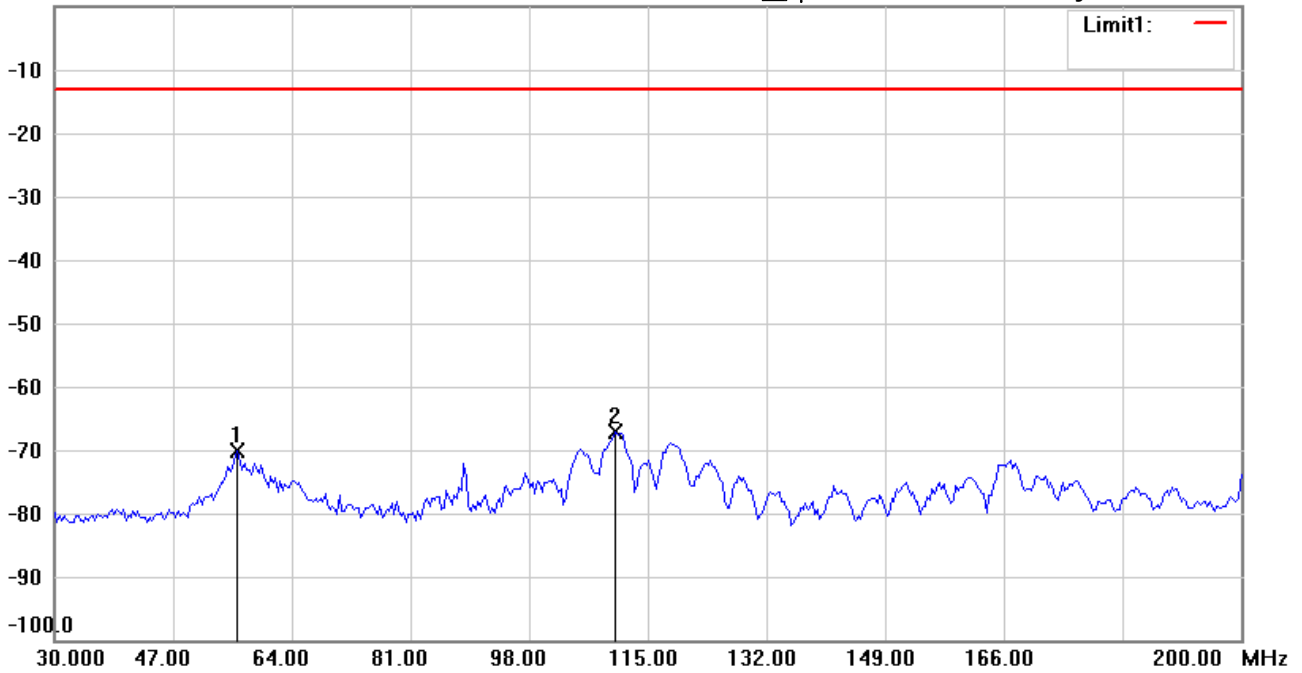
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 10:19:45

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band4-CH1312

Note :

Polarization: **Horizontal**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	56.2325	-94.64	peak	24.56	-70.08	-13.00	150	135	-57.08	
*	110.4008	-89.31	peak	22.17	-67.14	-13.00	150	225	-54.14	

\*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sora

File :1

Data :#2

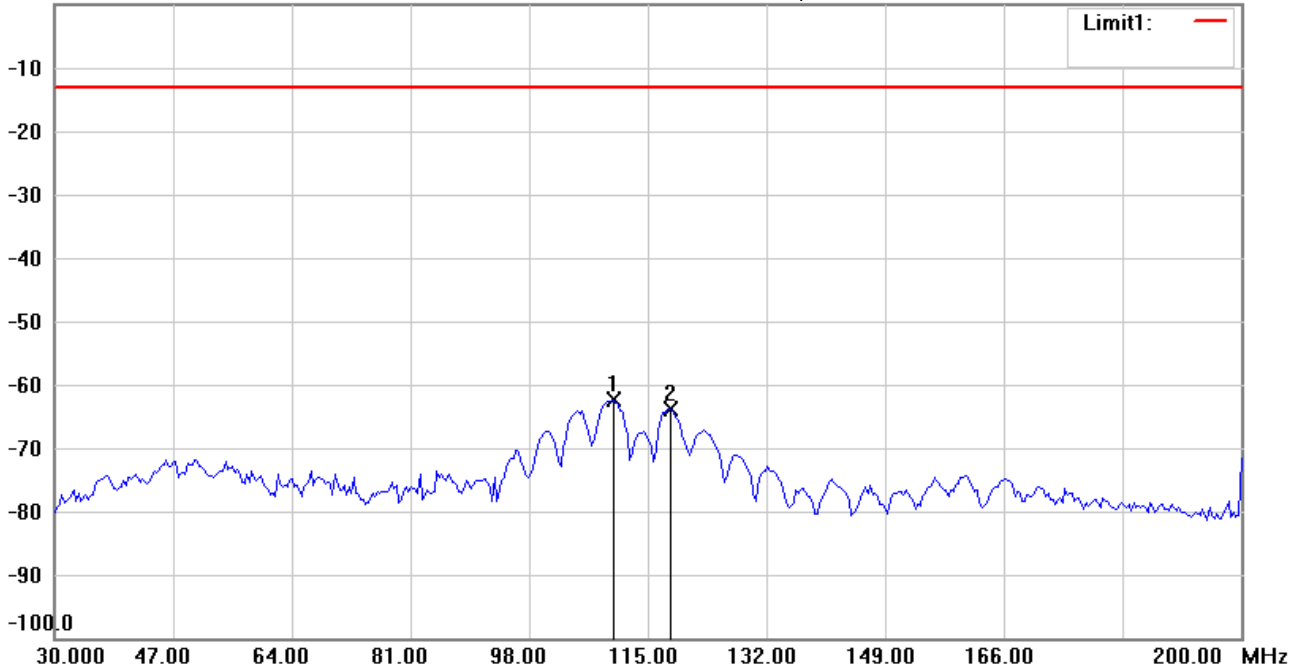
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 10:59:18

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band4-CH1312

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	110.0601	-86.22	peak	23.75	-62.47	-13.00	150	165	-49.47	
	118.2365	-87.09	peak	23.14	-63.95	-13.00	150	110	-50.95	

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :2

Data :#1

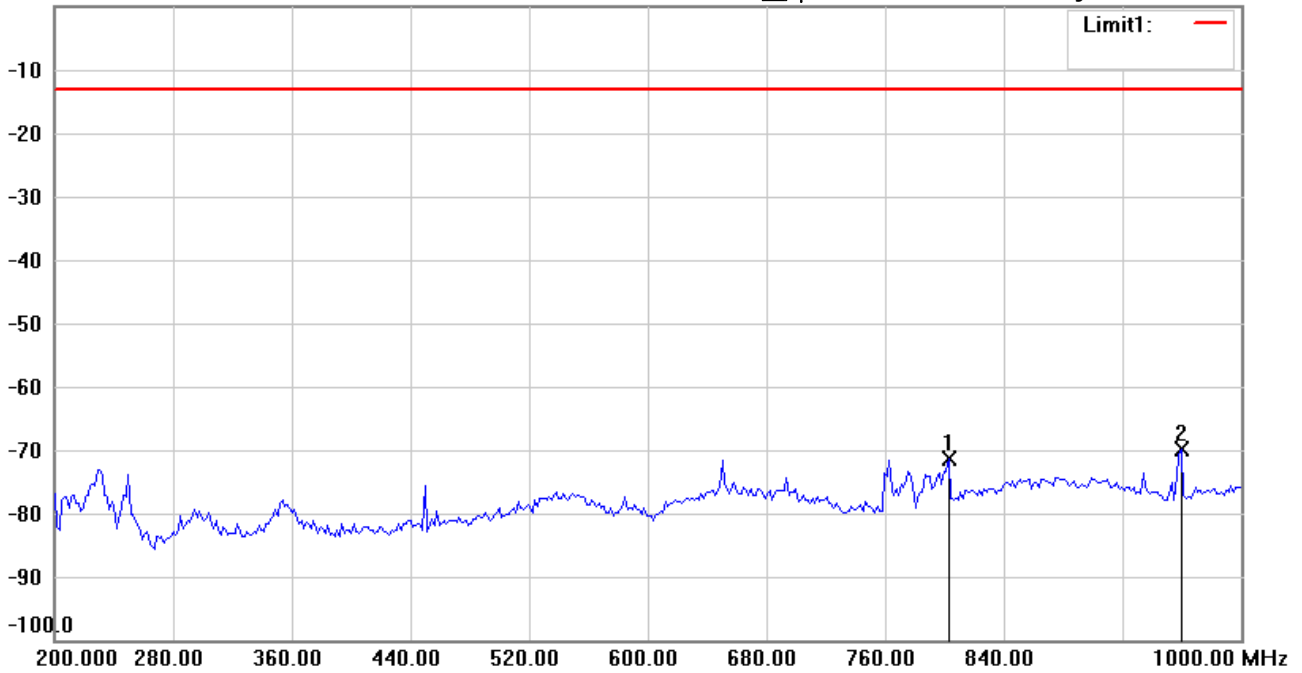
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 11:19:08

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band4-CH1312

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	802.8056	-70.18	peak	-1.26	-71.44	-13.00	150	205	-58.44	
*	959.9198	-68.34	peak	-1.52	-69.86	-13.00	150	80	-56.86	

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :2

Data :#2

Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 11:26:43

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band4-CH1312

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	761.1221	-69.49	peak	-2.02	-71.51	-13.00	150	245	-58.51	
*	958.3166	-65.36	peak	-0.82	-66.18	-13.00	150	295	-53.18	

\*:Maximum data    x:Over limit    !:over margin



Radiated Emission Measurement

Operator: Sora

File :3

Data :#1

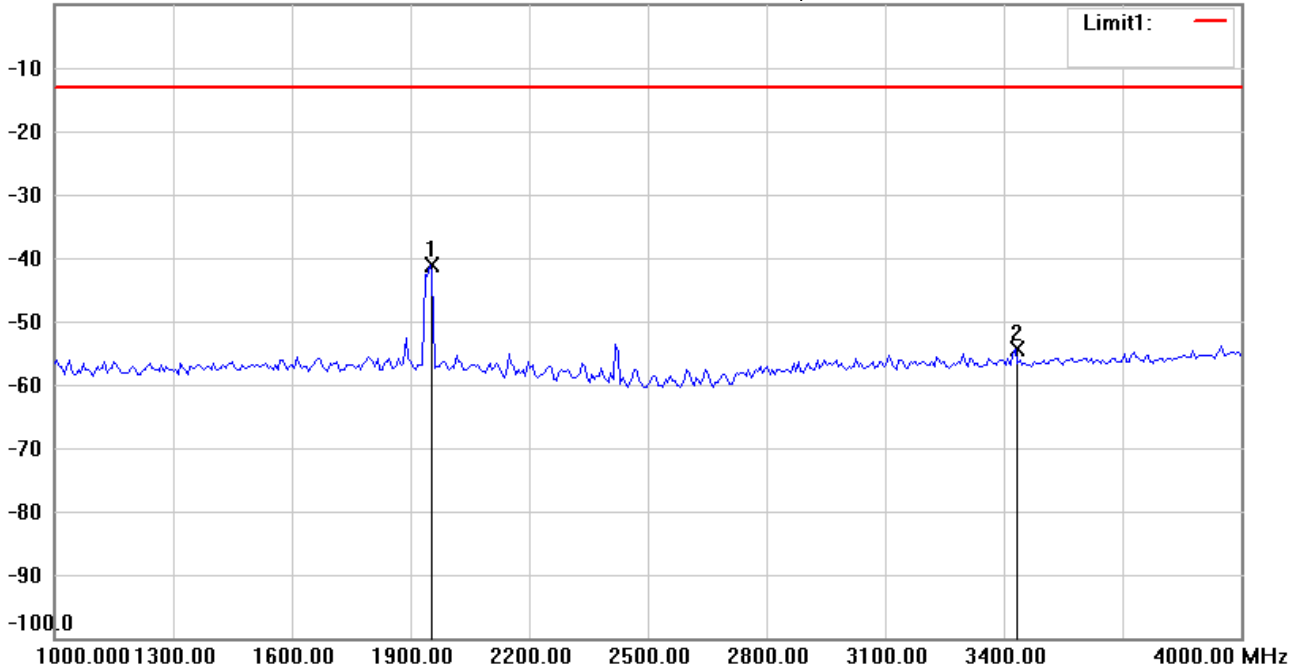
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 09:35:26

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band4-CH1312

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	1949.900	-46.94	peak	5.94	-41.00	-13.00	150	135	-28.00	
	3428.858	-60.43	peak	6.07	-54.36	-13.00	150	150	-41.36	



Radiated Emission Measurement

Operator: Sora

File :3

Data :#6

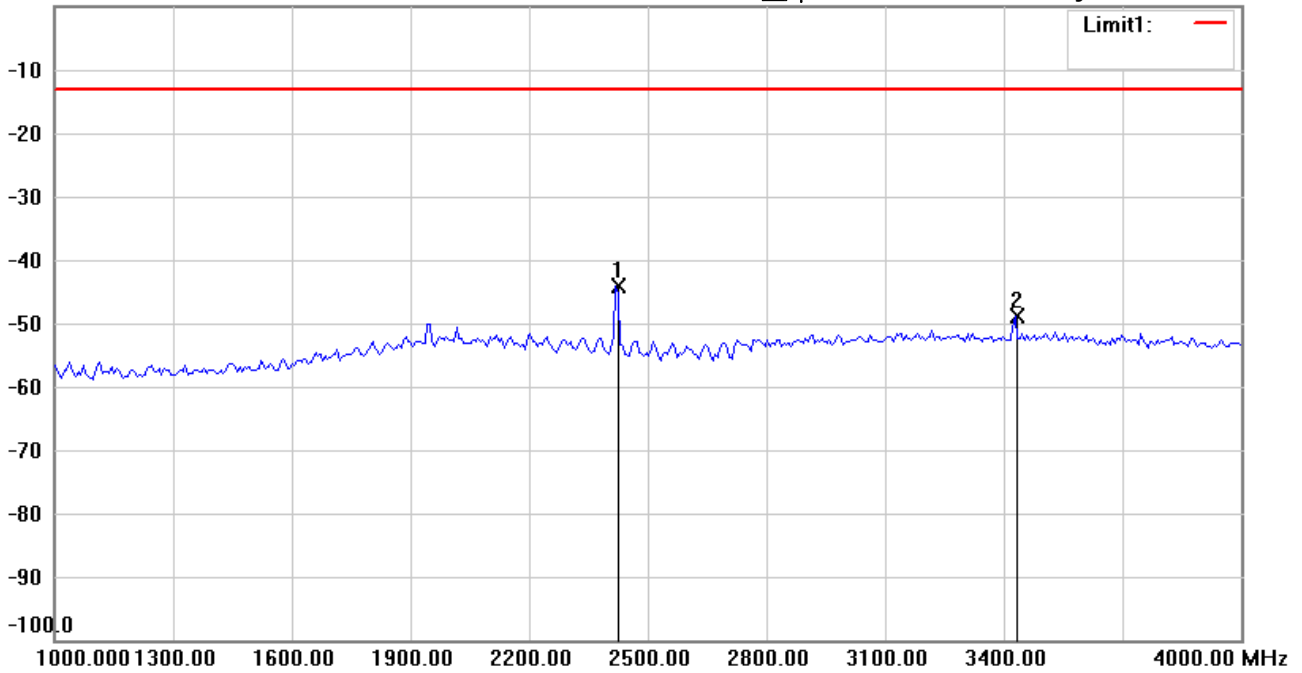
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 10:02:08

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band4-CH1312

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	2418.838	-52.89	peak	8.66	-44.23	-13.00	150	125	-31.23	
	3428.858	-59.15	peak	10.32	-48.83	-13.00	150	270	-35.83	





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Radiated Emission Measurement

Operator: Sora

File :3

Data :#2

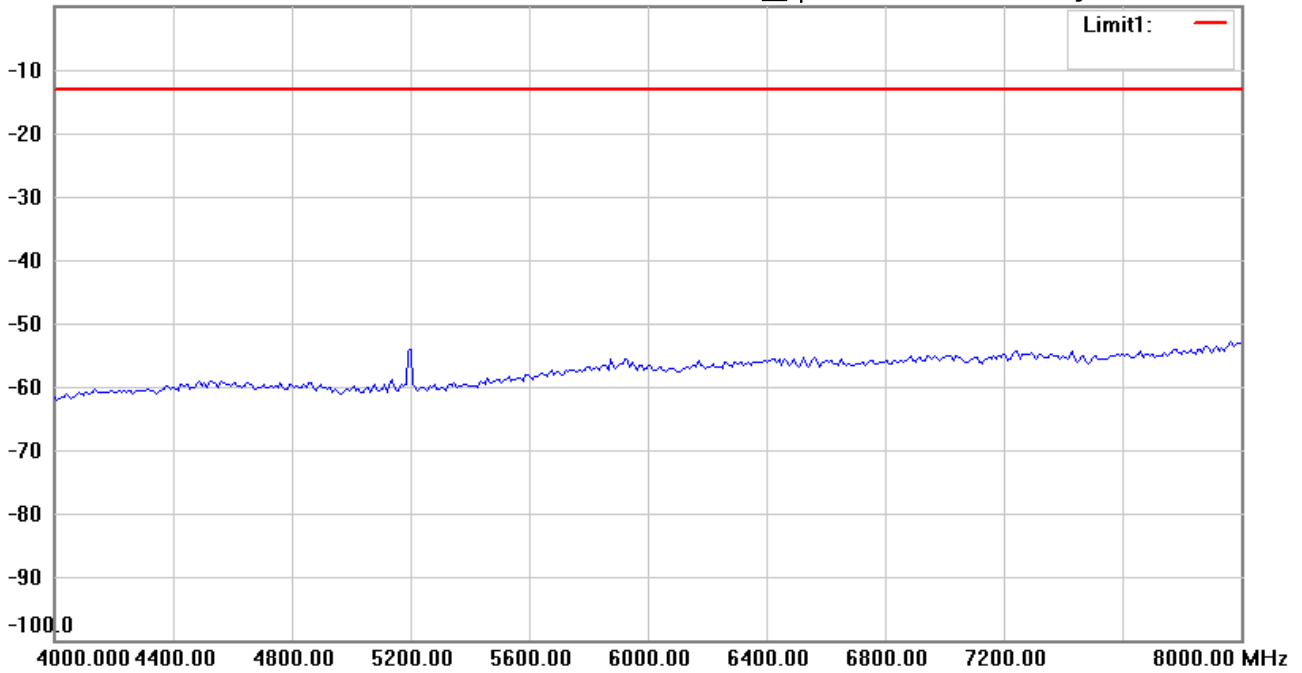
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 09:36:07

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band4-CH1312

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#7

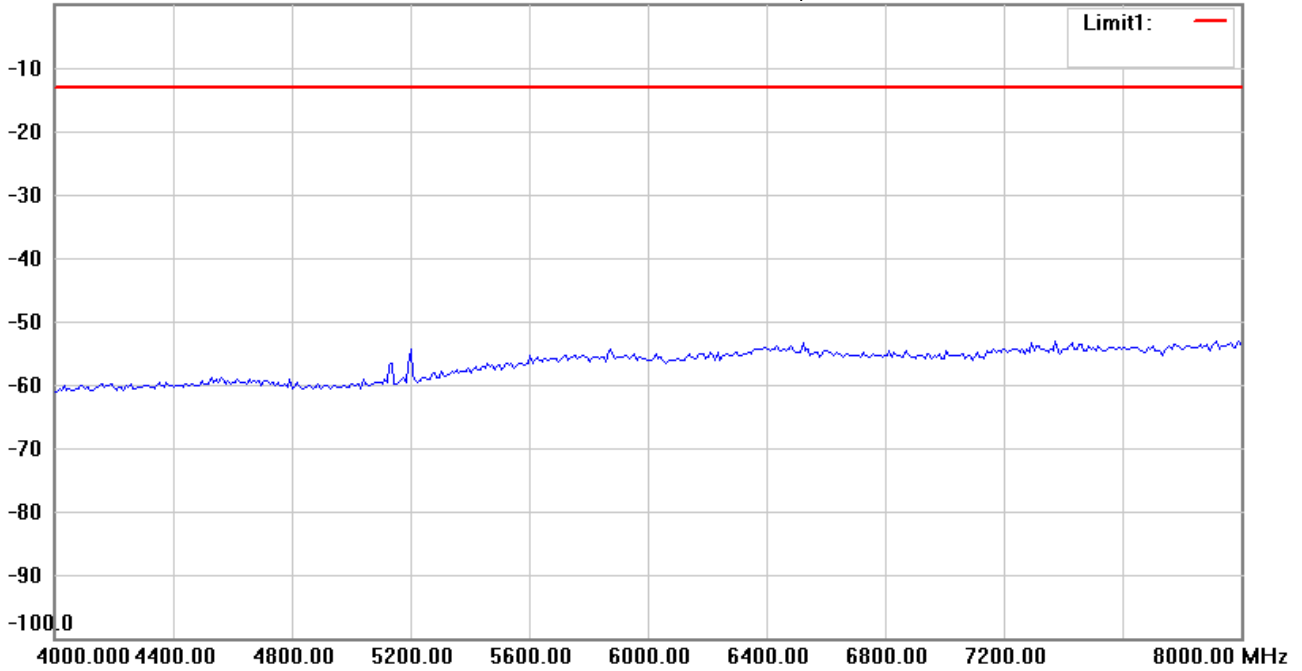
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 10:03:03

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band4-CH1312

Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#3

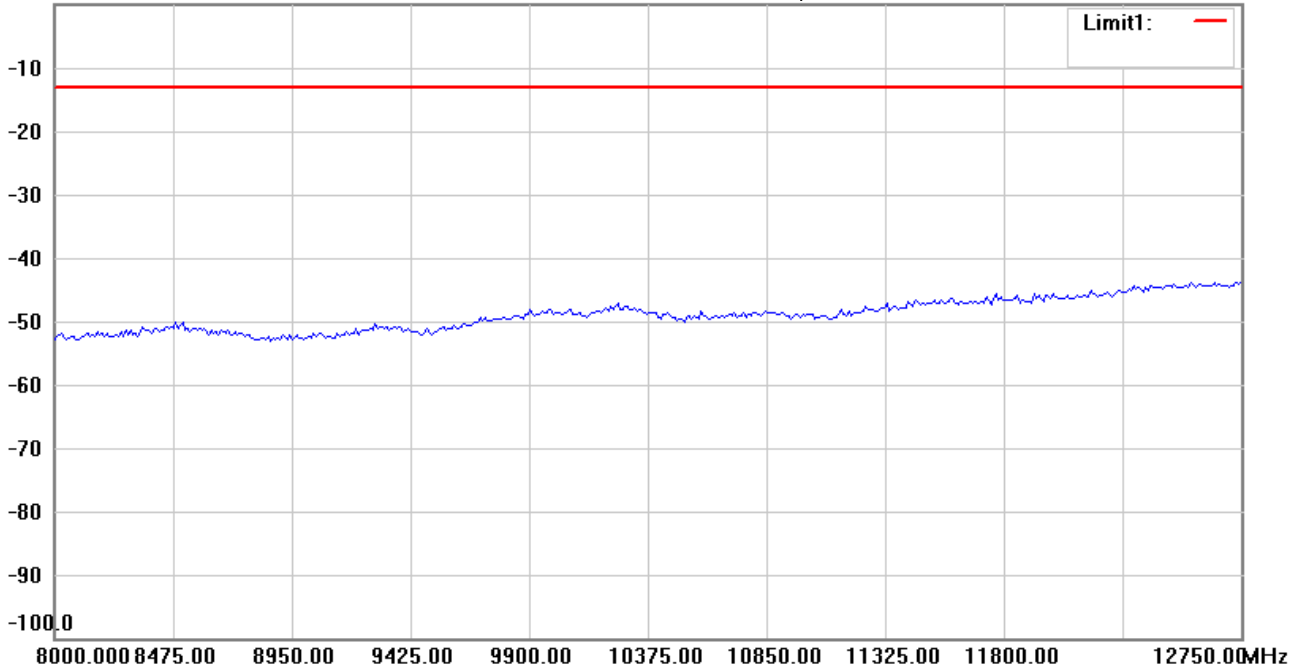
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 09:37:08

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band4-CH1312

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#8

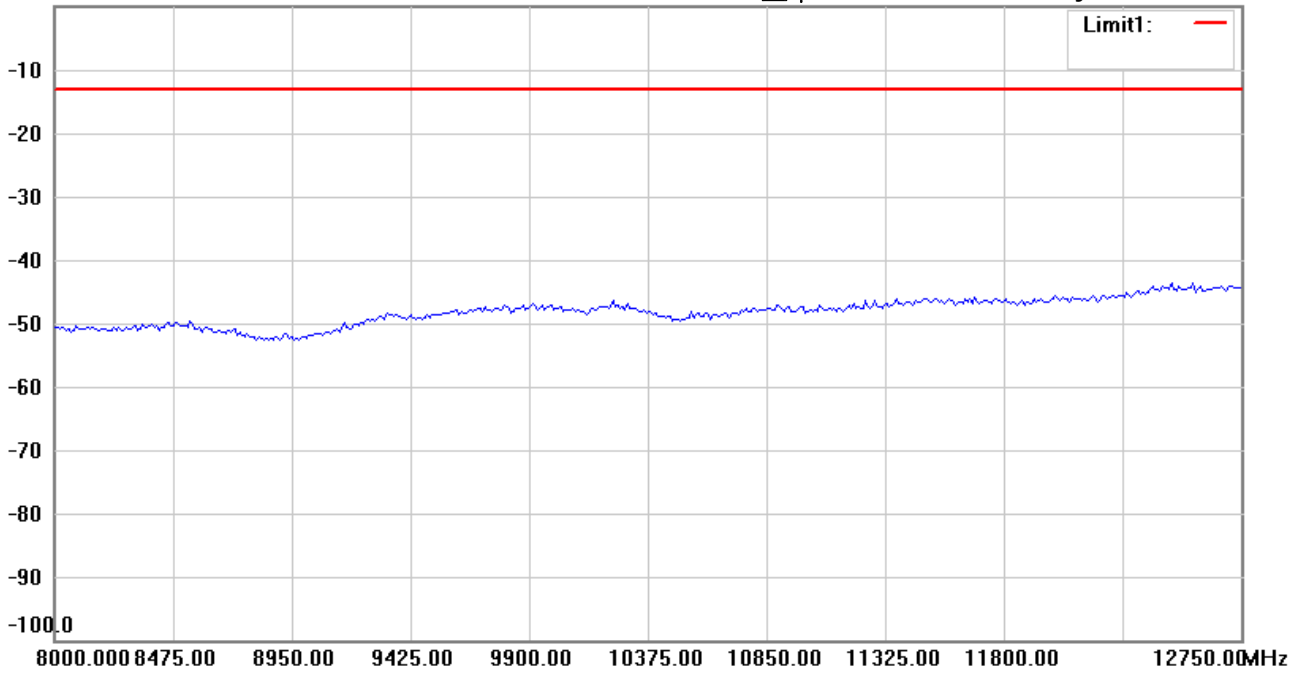
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 10:06:04

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band4-CH1312

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#4

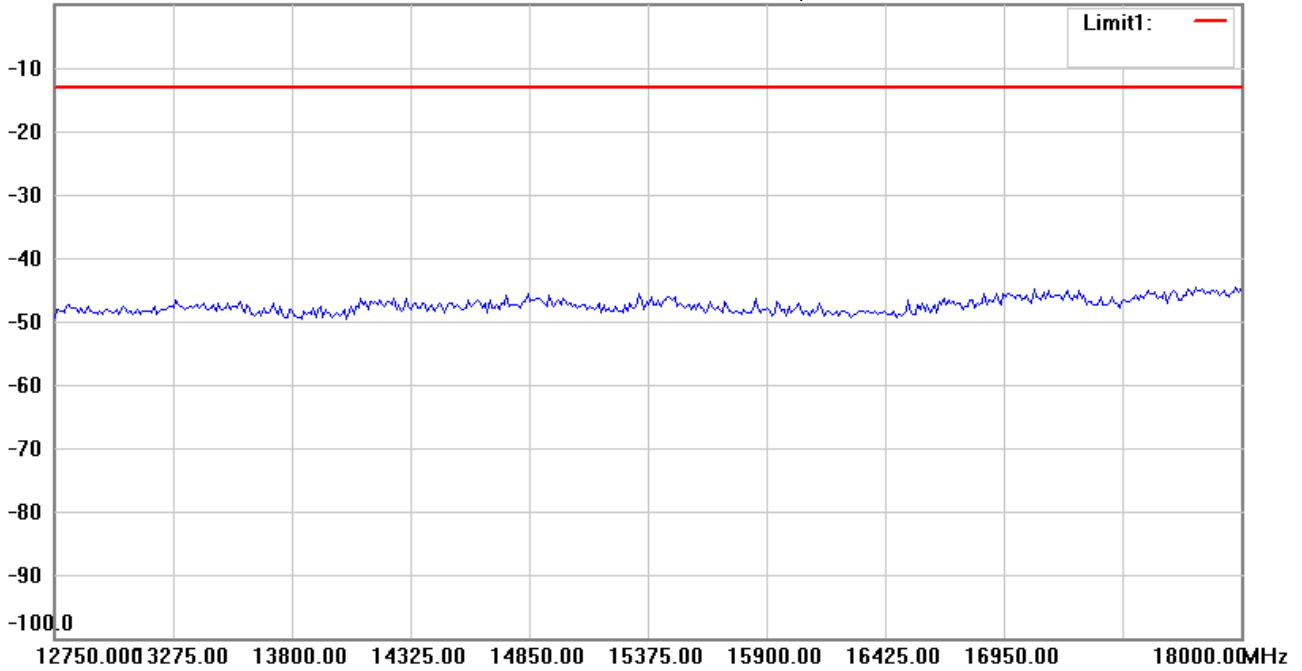
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 09:37:20

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band4-CH1312

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#9

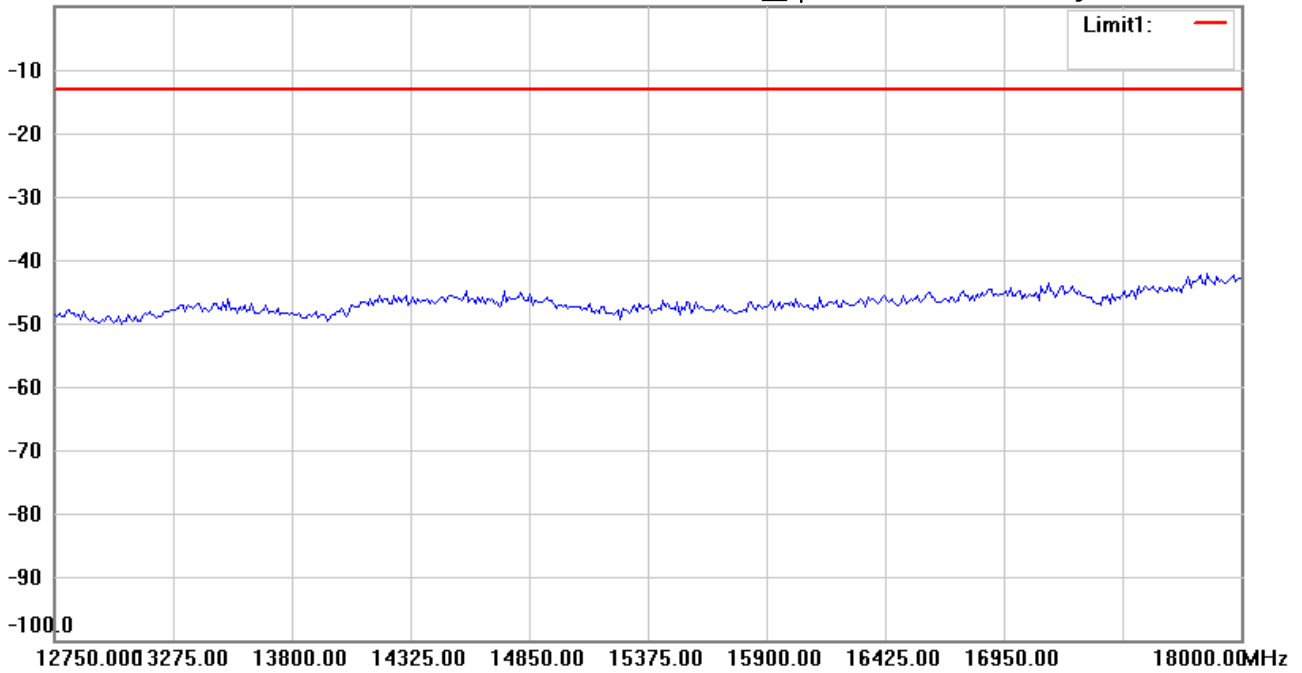
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 10:06:16

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band4-CH1312

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#5

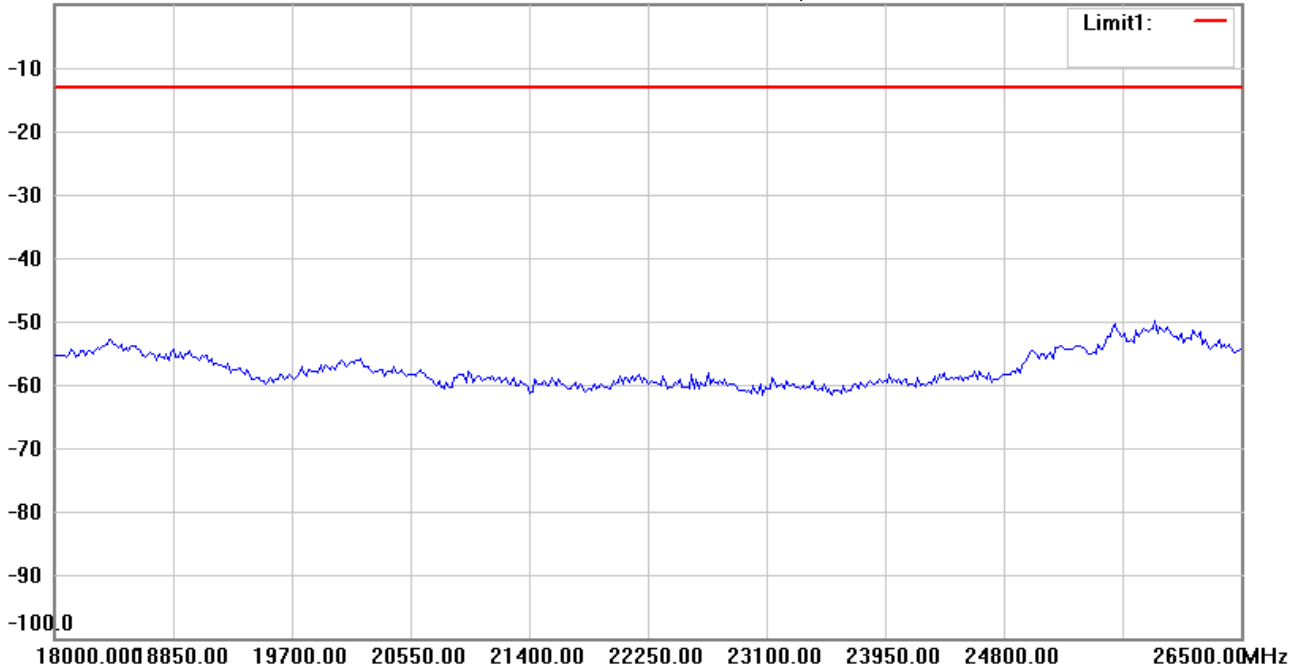
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 09:37:32

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band4-CH1312

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	---------------	----------	-------------------	--------------	-------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#10

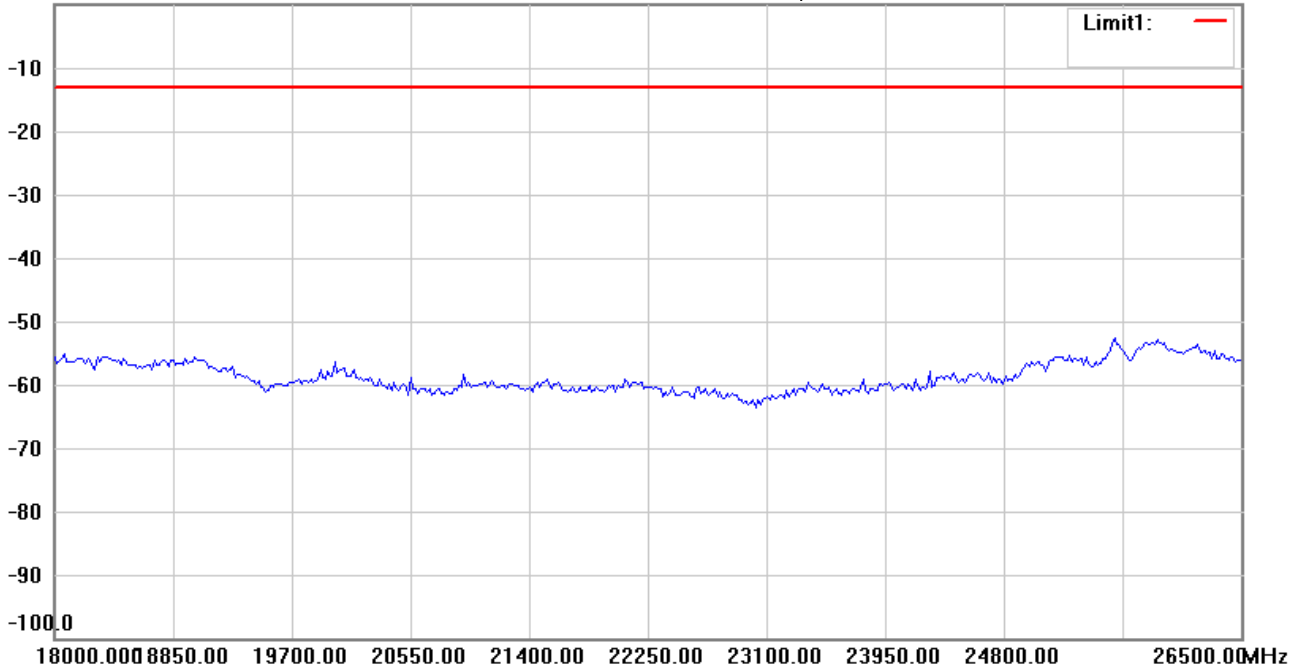
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 10:06:28

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band4-CH1312

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	---------------	----------	-------------------	--------------	-------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin





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Radiated Emission Measurement

Operator: Sora

File :1

Data :#1

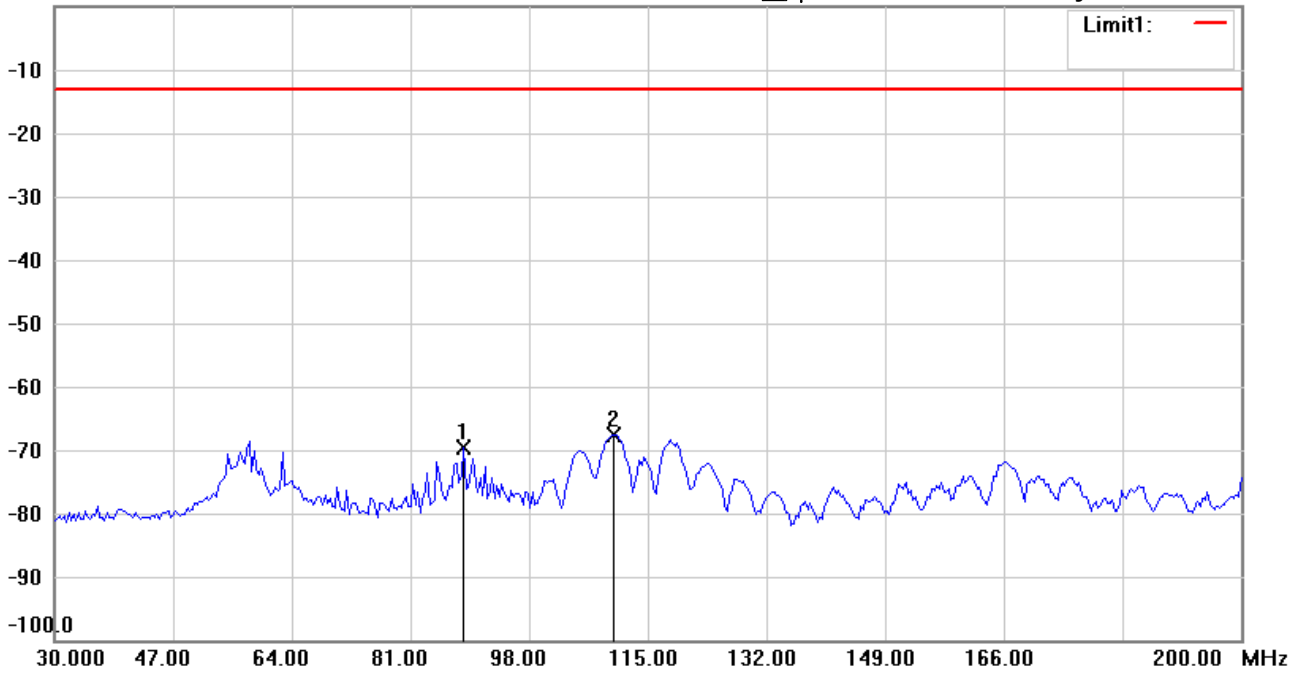
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 10:21:06

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

Polarization: **Horizontal**

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : WCDMA-Band4-CH1412

Note :

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	88.5972	-93.61	peak	23.94	-69.67	-13.00	150	115	-56.67	
*	110.0601	-89.73	peak	22.19	-67.54	-13.00	150	205	-54.54	

\*:Maximum data x:Over limit !:over margin



Radiated Emission Measurement

Operator: Sora

File :1

Data :#2

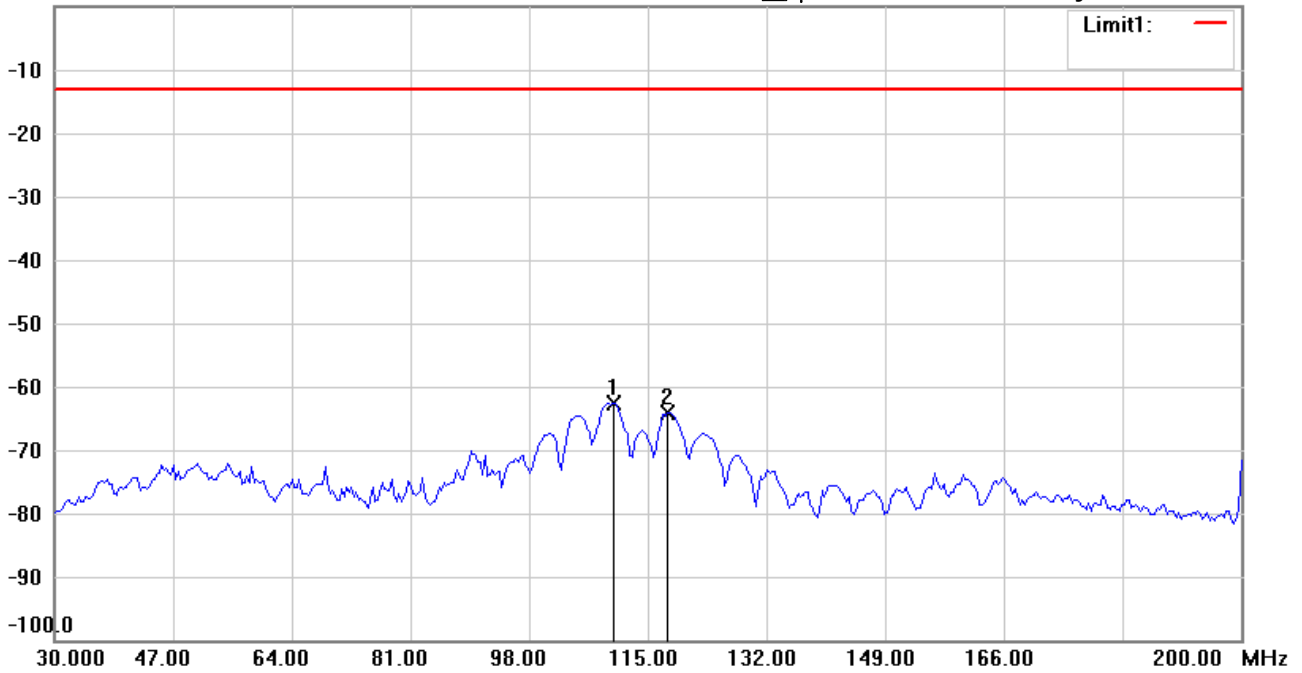
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 10:58:05

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

Polarization: **Vertical**

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : WCDMA-Band4-CH1412

Note :

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	110.0601	-86.26	peak	23.75	-62.51	-13.00	150	145	-49.51	
	117.8958	-87.28	peak	23.17	-64.11	-13.00	150	120	-51.11	



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Radiated Emission Measurement

Operator: Sora

File :2

Data :#1

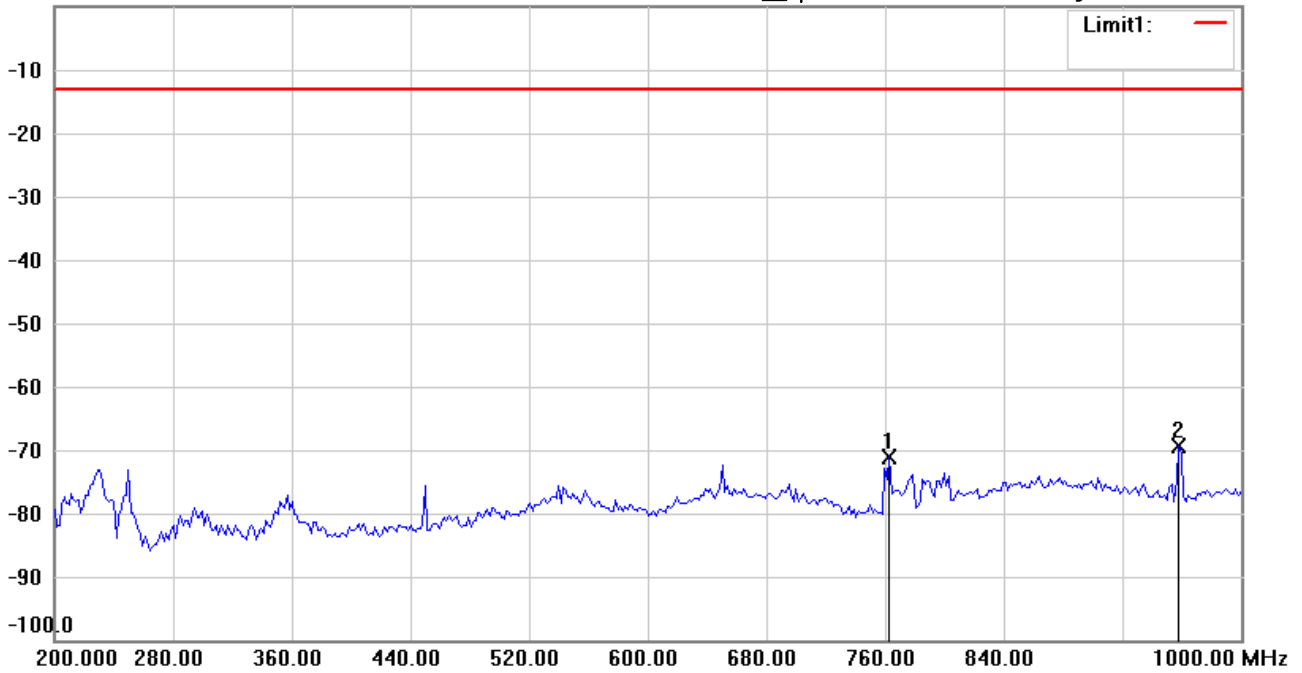
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 11:20:57

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band4-CH1412

Note :

Polarization: **Horizontal**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	762.7255	-68.31	peak	-2.69	-71.00	-13.00	150	155	-58.00	
*	958.3166	-67.83	peak	-1.56	-69.39	-13.00	150	105	-56.39	

\*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sora

File :2

Data :#2

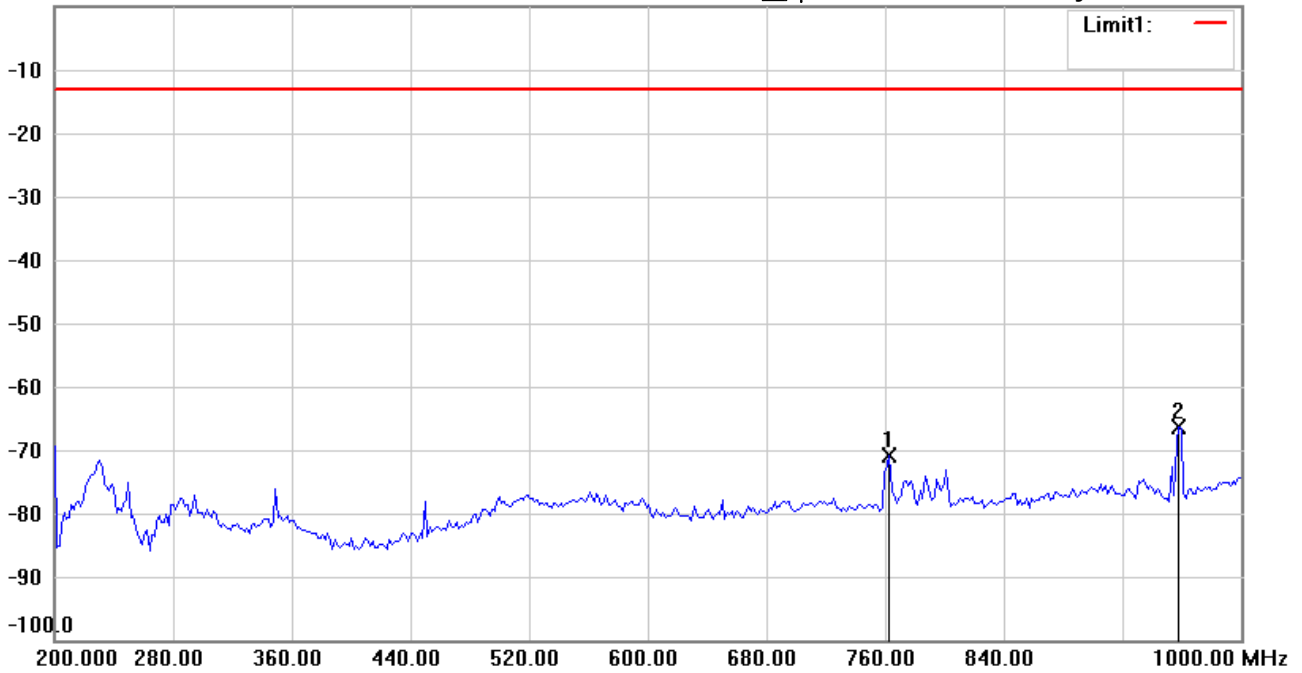
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 11:25:43

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band4-CH1412

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	762.7255	-68.98	peak	-2.00	-70.98	-13.00	150	250	-57.98	
*	958.3166	-65.45	peak	-0.82	-66.27	-13.00	150	75	-53.27	

\*:Maximum data x:Over limit !:over margin



Radiated Emission Measurement

Operator: Sora

File :3

Data :#1

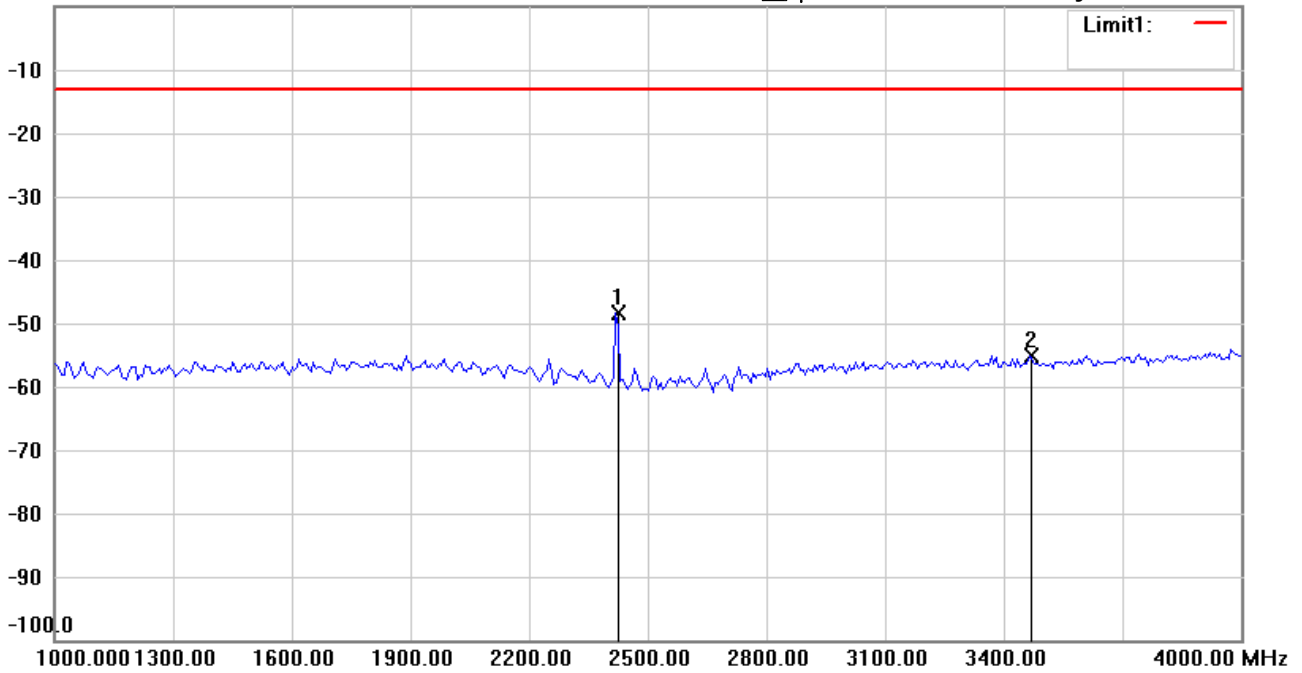
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 09:40:46

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band4-CH1412

Note :

Polarization: **Horizontal**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	2418.838	-51.87	peak	3.57	-48.30	-13.00	150	30	-35.30	
	3464.930	-61.25	peak	6.14	-55.11	-13.00	150	155	-42.11	



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#6

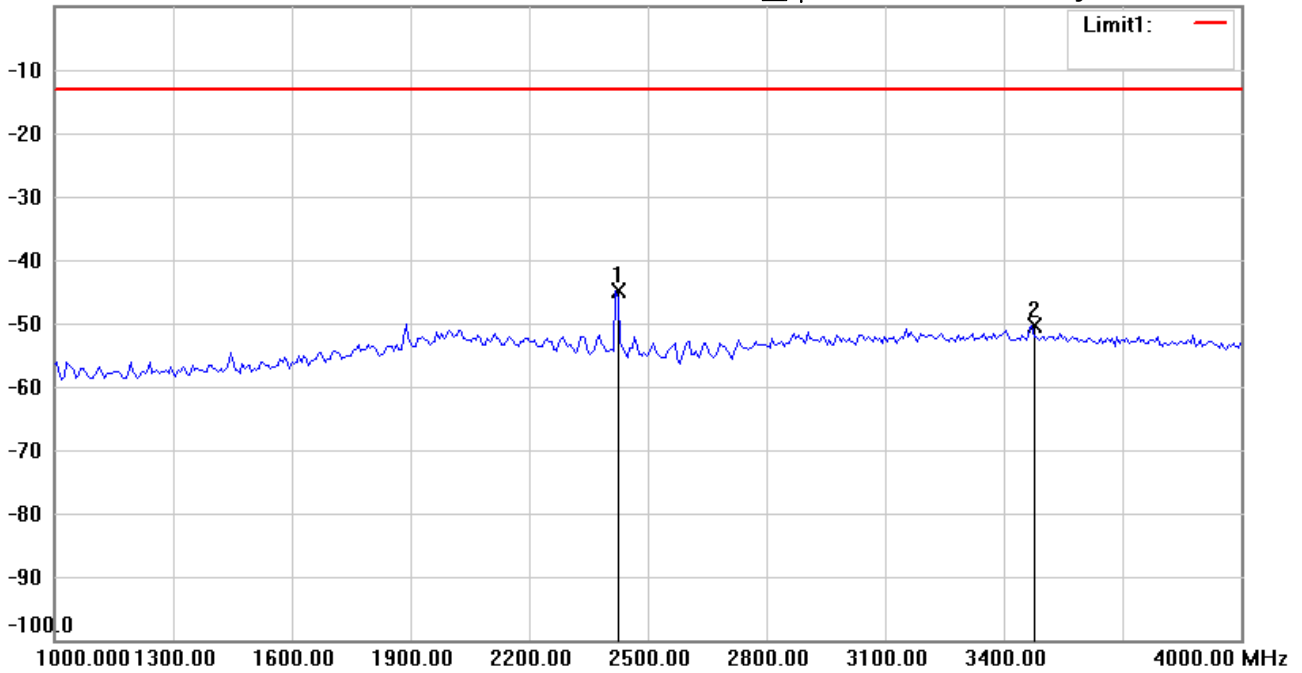
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 09:57:14

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band4-CH1412

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	2418.838	-53.41	peak	8.66	-44.75	-13.00	150	175	-31.75	
	3470.942	-60.70	peak	10.39	-50.31	-13.00	150	215	-37.31	

\*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#2

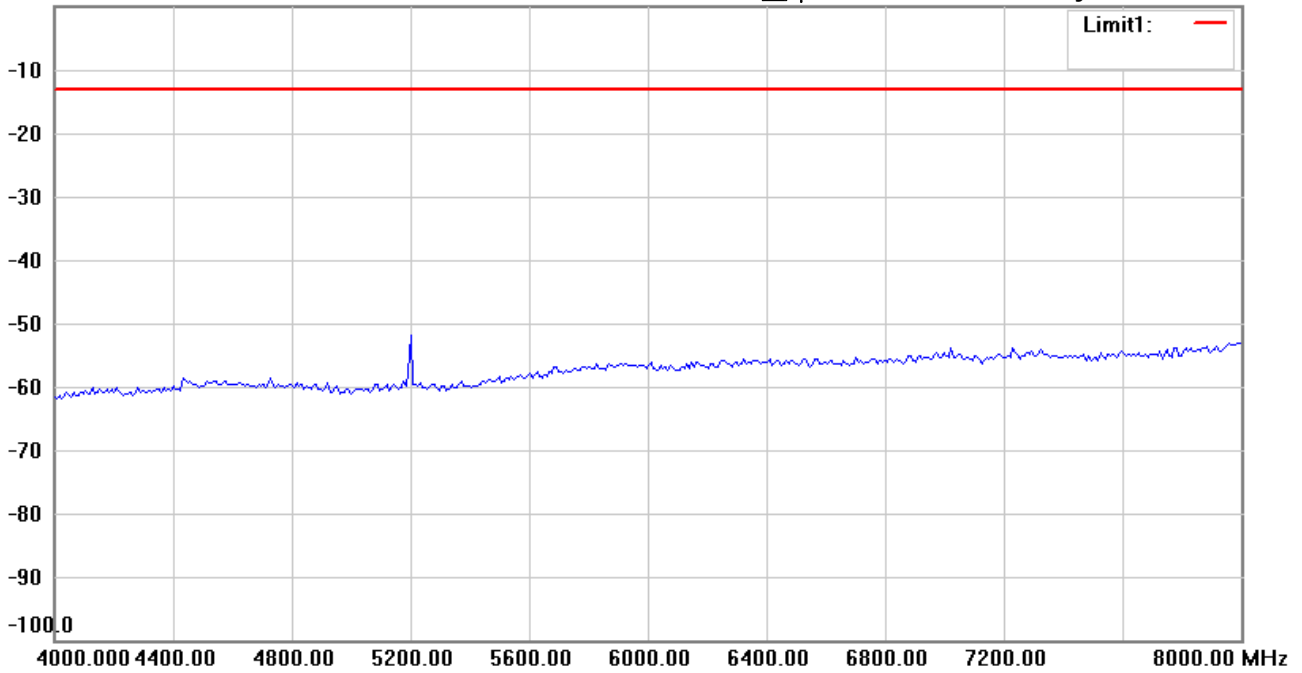
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 09:41:31

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band4-CH1412

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#7

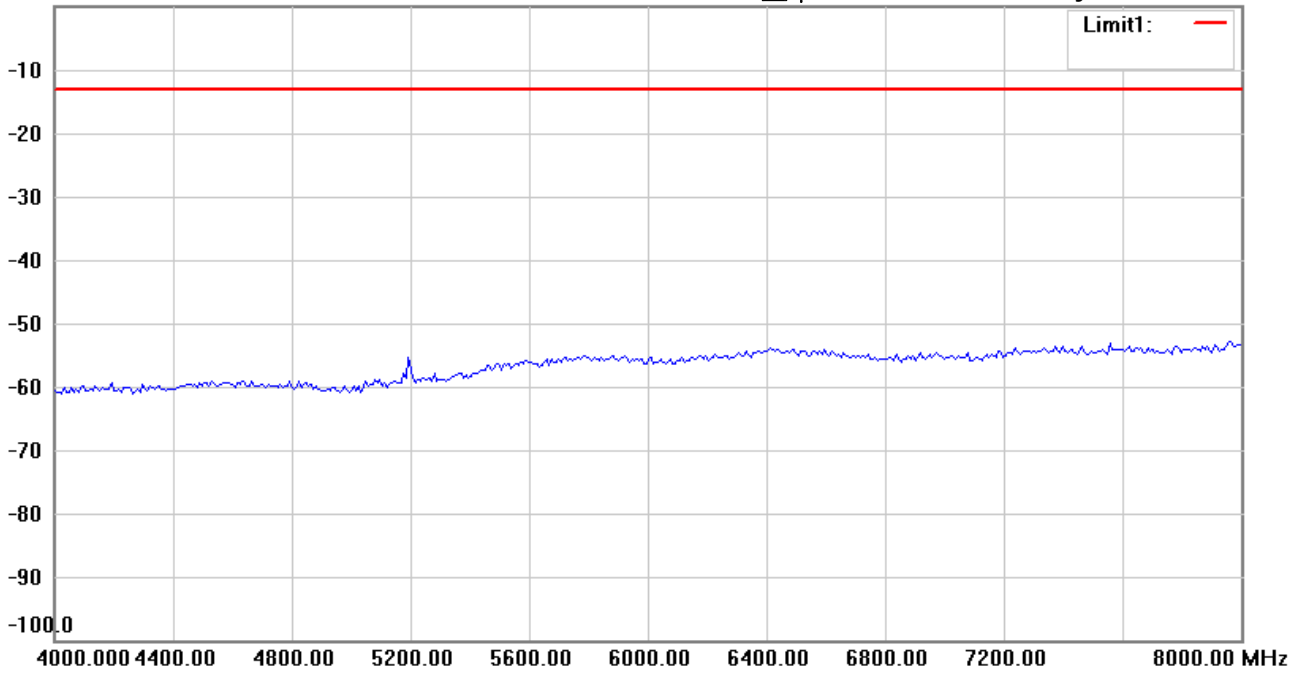
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 09:58:12

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band4-CH1412

Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin





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Radiated Emission Measurement

Operator: Sora

File :3

Data :#3

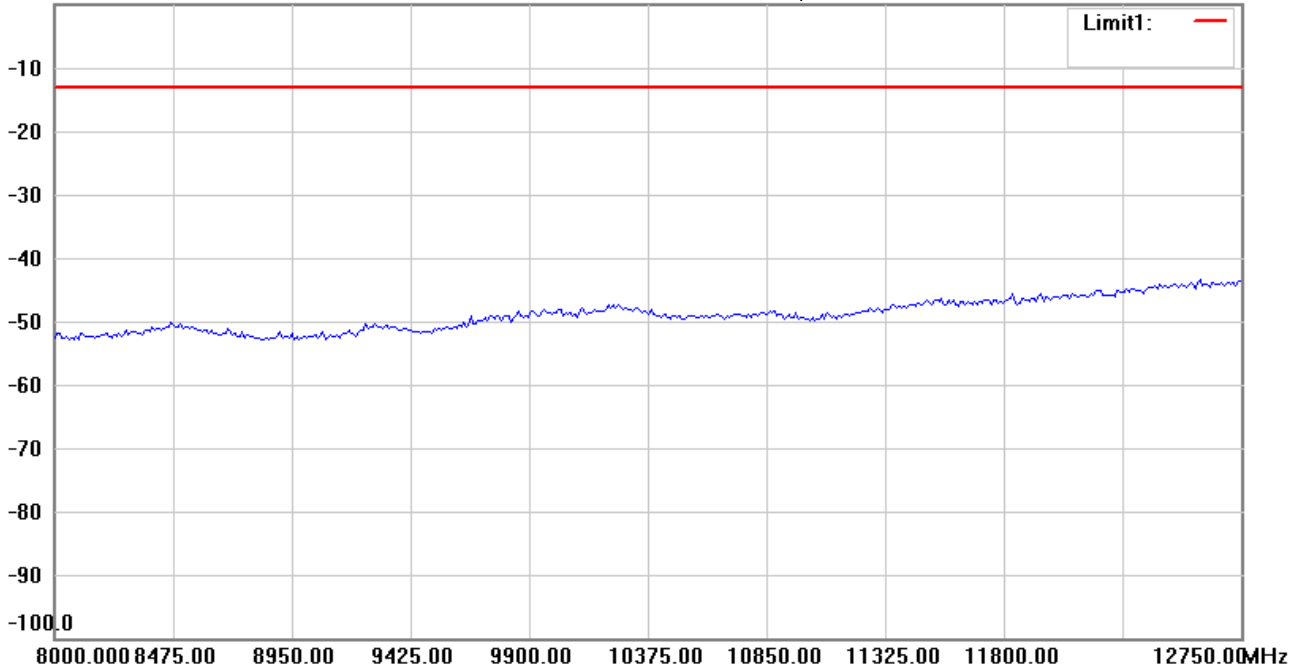
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 09:42:51

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

Polarization: *Horizontal*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : WCDMA-Band4-CH1412

Note :

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
 Tel:+886-2-6606-8877  
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Radiated Emission Measurement

Operator: Sora

File :3

Data :#8

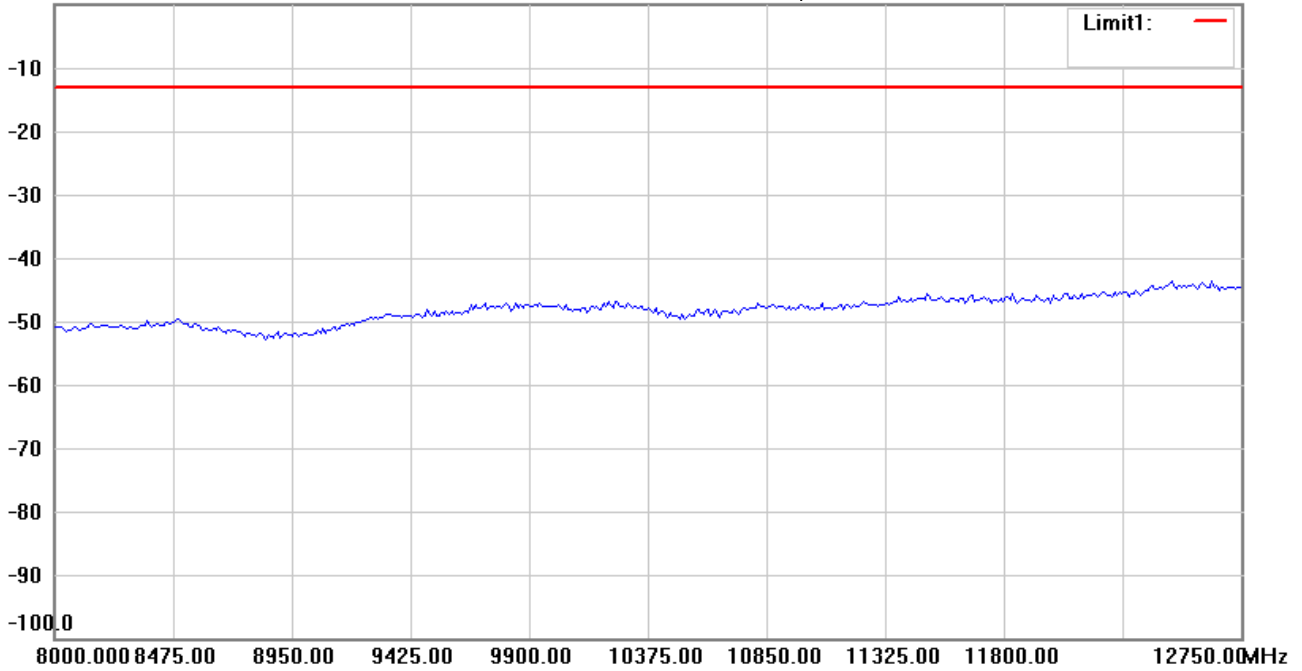
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 09:59:44

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band4-CH1412

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
 Tel:+886-2-6606-8877  
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Radiated Emission Measurement

Operator: Sora

File :3

Data :#4

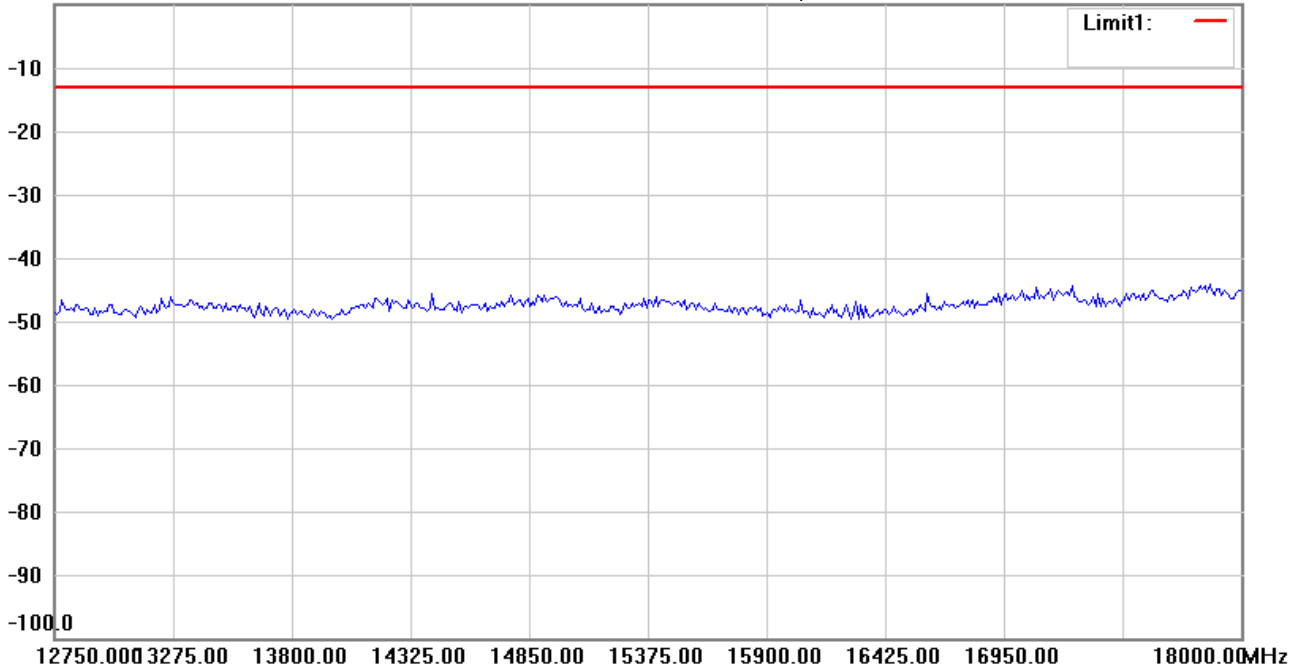
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 09:43:03

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

Polarization: *Horizontal*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : WCDMA-Band4-CH1412

Note :

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
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Radiated Emission Measurement

Operator: Sora

File :3

Data :#9

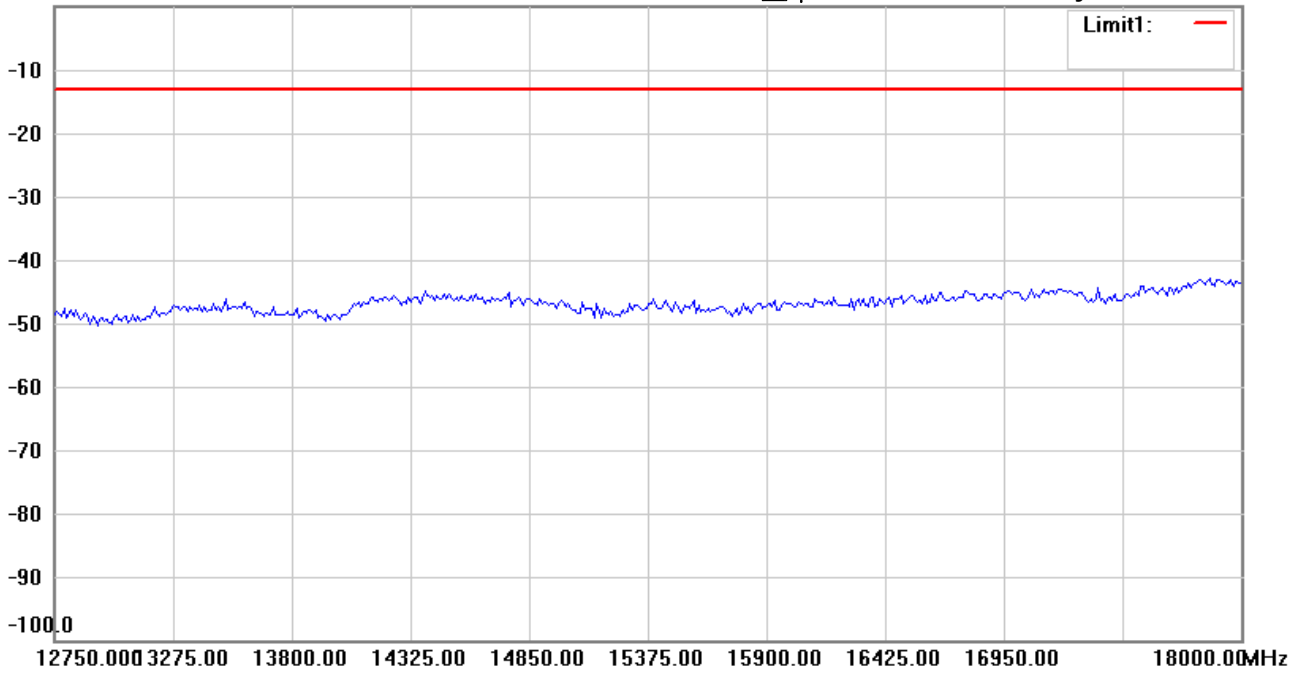
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 09:59:56

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band4-CH1412

Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#5

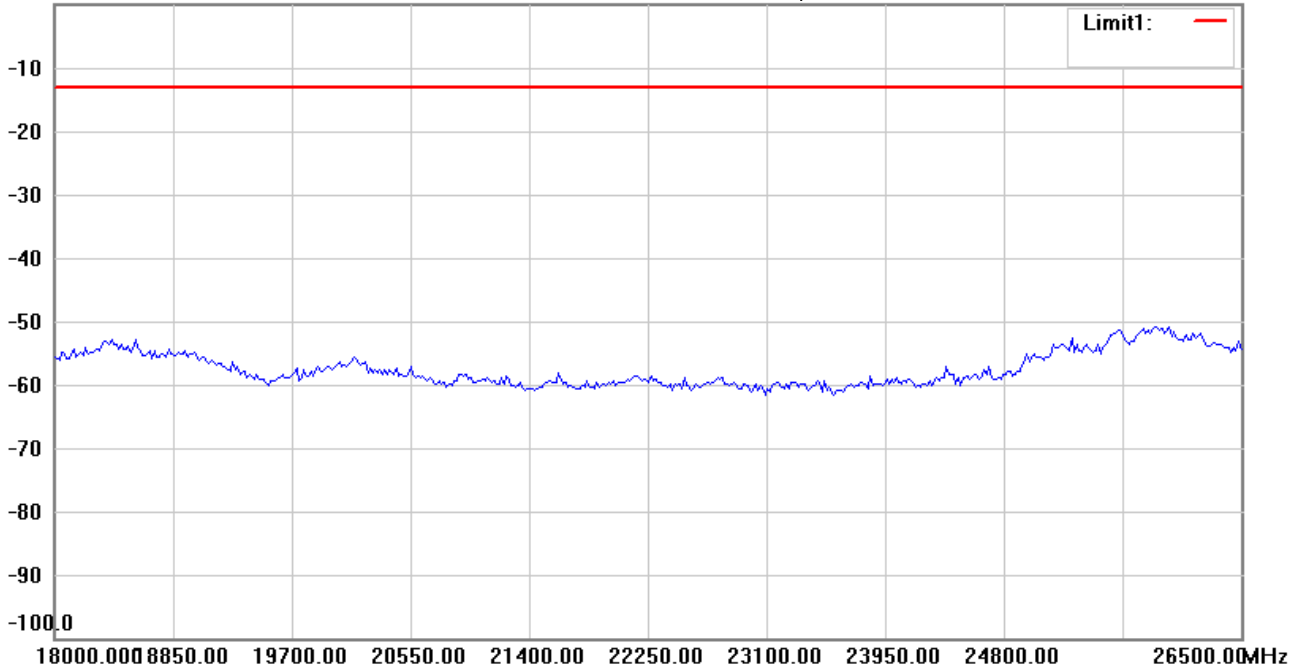
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 09:43:15

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band4-CH1412

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
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Radiated Emission Measurement

Operator: Sora

File :3

Data :#10

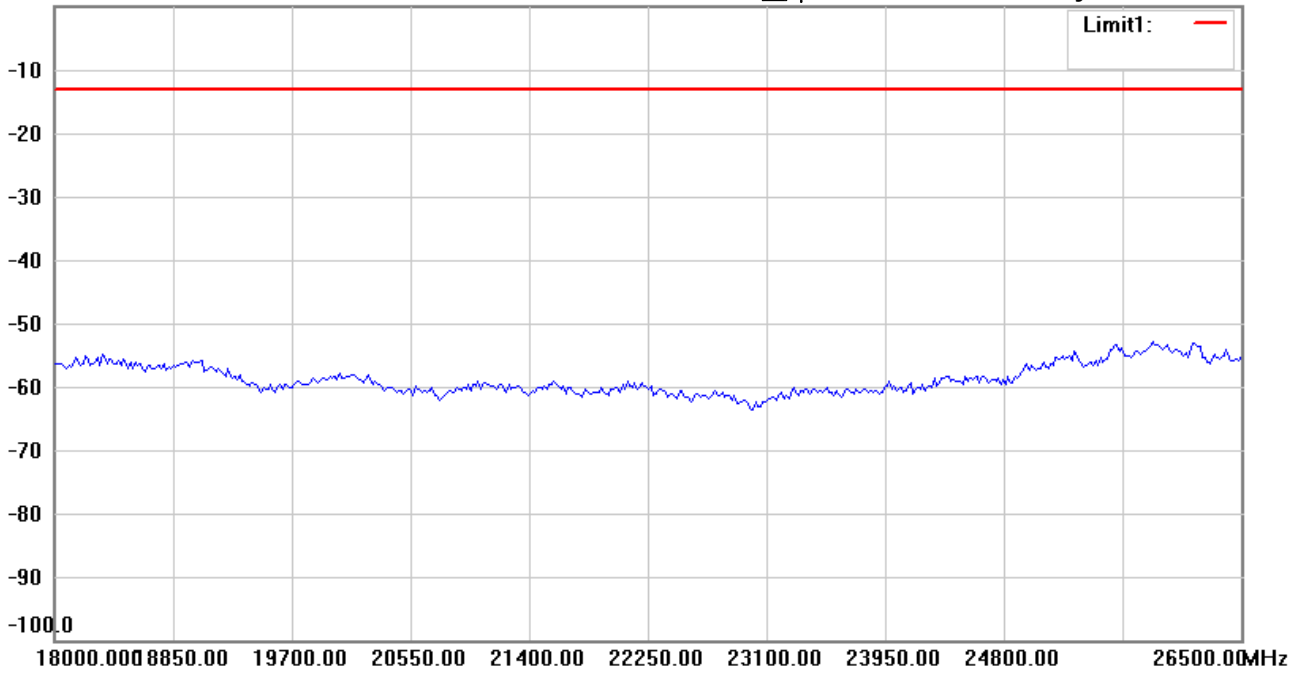
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 10:00:08

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

Polarization: *Vertical*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : WCDMA-Band4-CH1412

Note :

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



Radiated Emission Measurement

Operator: Sora

File :1

Data :#1

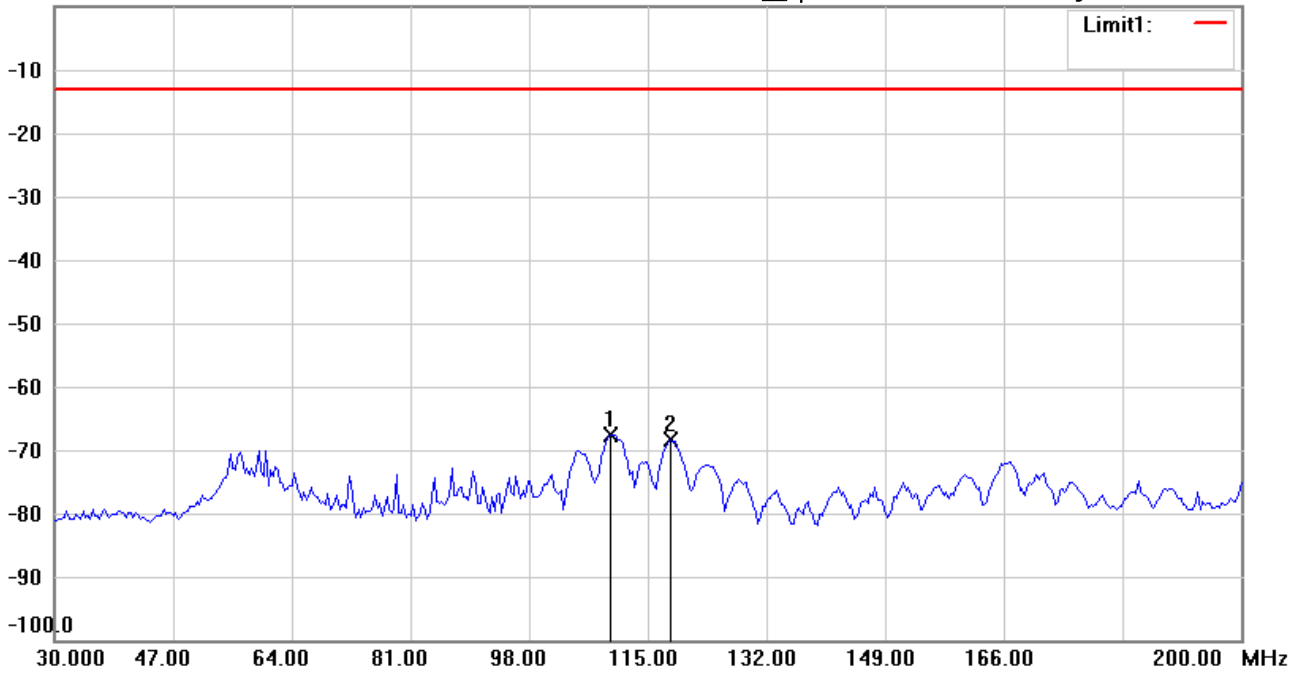
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 10:22:56

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

Polarization: **Horizontal**

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : WCDMA-Band4-CH1513

Note :

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	109.7194	-89.76	peak	22.20	-67.56	-13.00	150	245	-54.56	
	118.2365	-90.22	peak	21.77	-68.45	-13.00	150	220	-55.45	



Radiated Emission Measurement

Operator: Sora

File :1

Data :#2

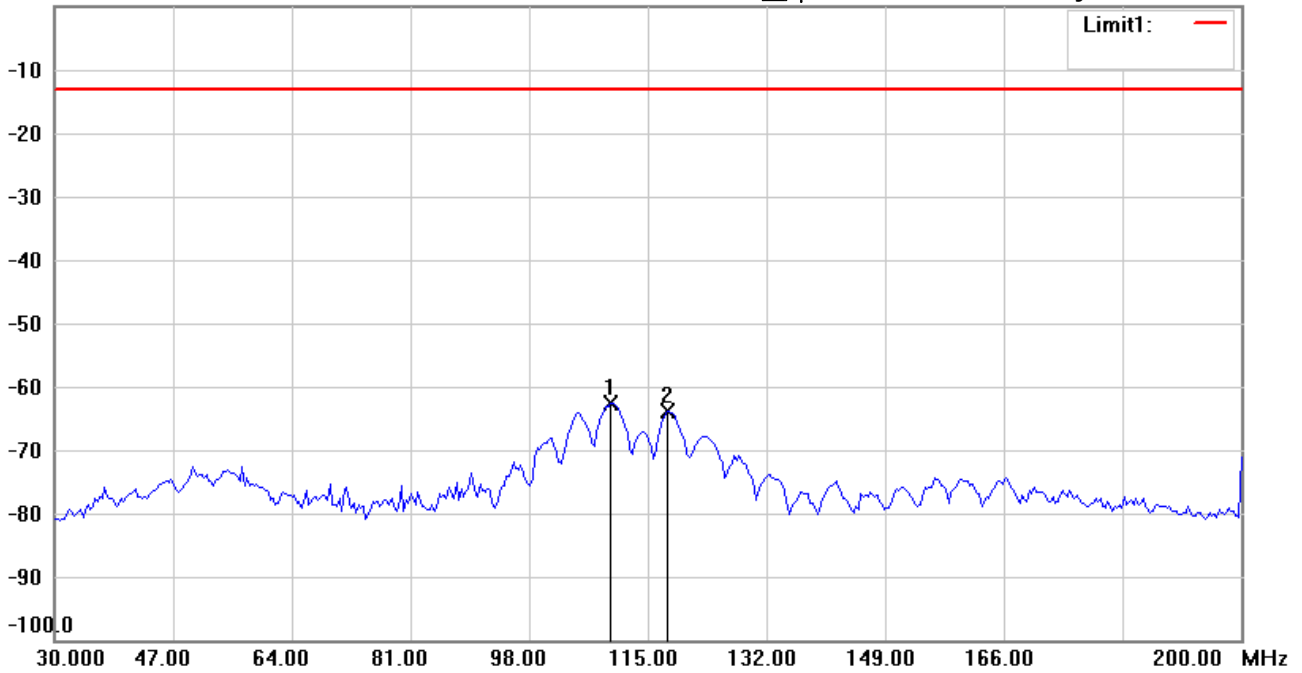
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 10:54:44

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band4-CH1513

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	109.7194	-86.42	peak	23.78	-62.64	-13.00	150	155	-49.64	
	117.8958	-87.15	peak	23.17	-63.98	-13.00	150	125	-50.98	





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Radiated Emission Measurement

Operator: Sora

File :2

Data :#1

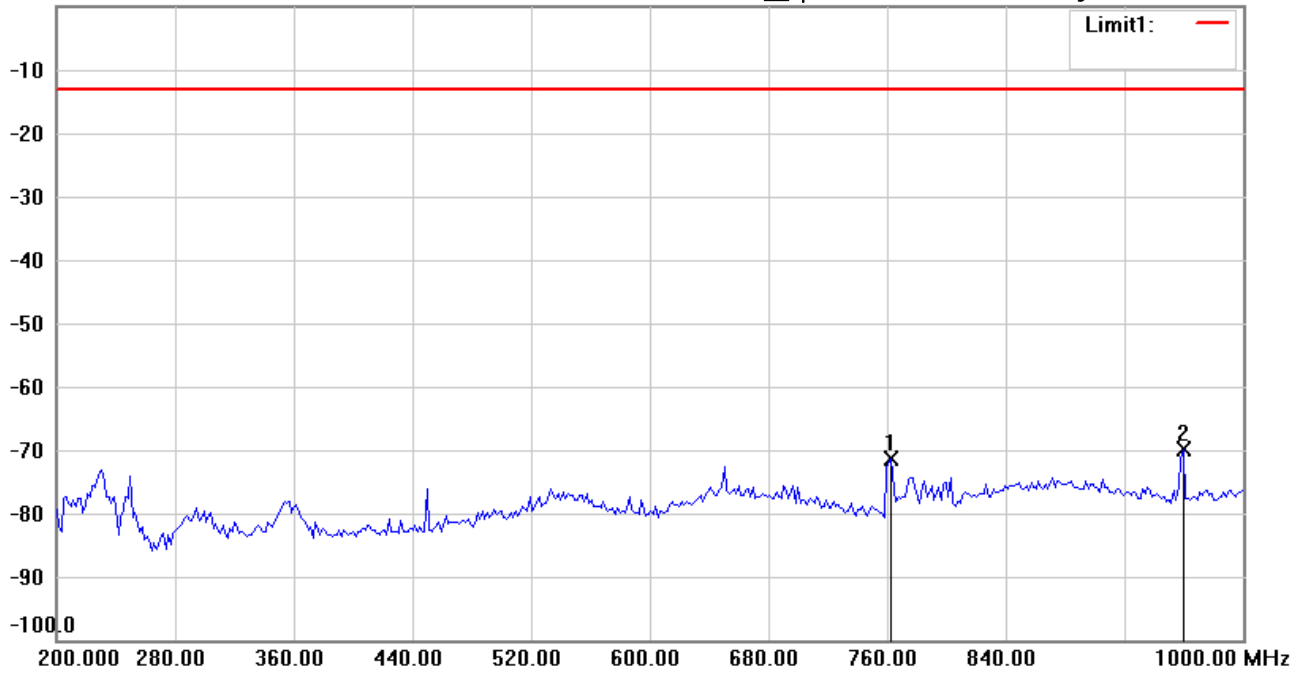
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 11:22:20

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band4-CH1513

Note :

Polarization: **Horizontal**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	762.7255	-68.56	peak	-2.69	-71.25	-13.00	150	145	-58.25	
*	959.9198	-68.36	peak	-1.52	-69.88	-13.00	150	100	-56.88	

\*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sora

File :2

Data :#2

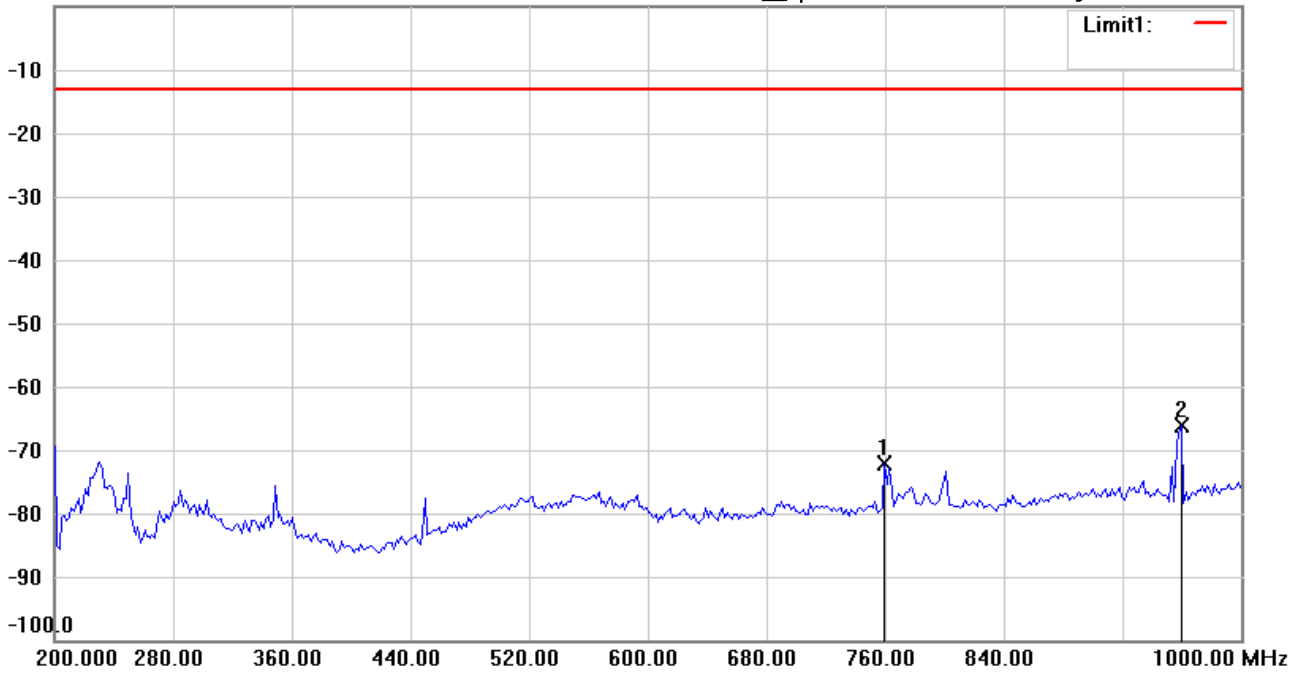
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 11:23:51

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band4-CH1513

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	759.5190	-70.06	peak	-2.04	-72.10	-13.00	150	225	-59.10	
*	959.9198	-65.34	peak	-0.76	-66.10	-13.00	150	315	-53.10	

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#1

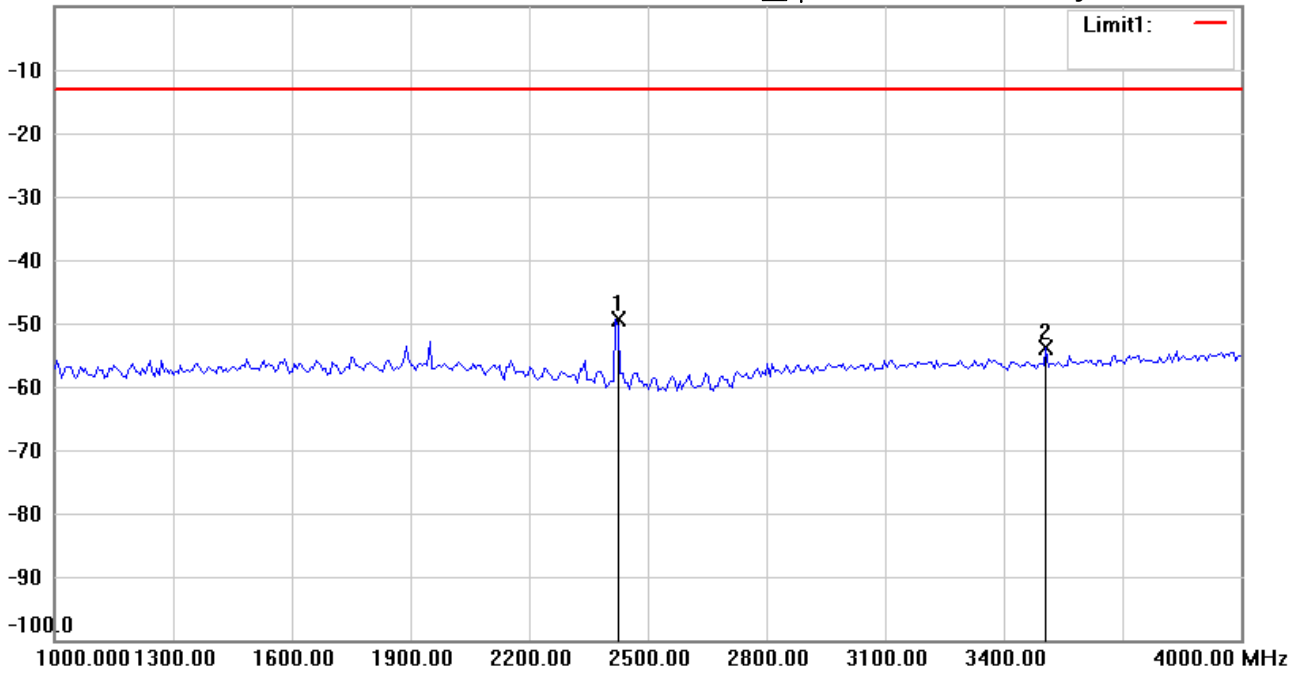
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 09:46:59

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band4-CH1513

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	2418.838	-53.01	peak	3.57	-49.44	-13.00	150	65	-36.44	
	3507.014	-60.16	peak	6.23	-53.93	-13.00	150	125	-40.93	

\*:Maximum data    x:Over limit    !:over margin



Radiated Emission Measurement

Operator: Sora

File :3

Data :#6

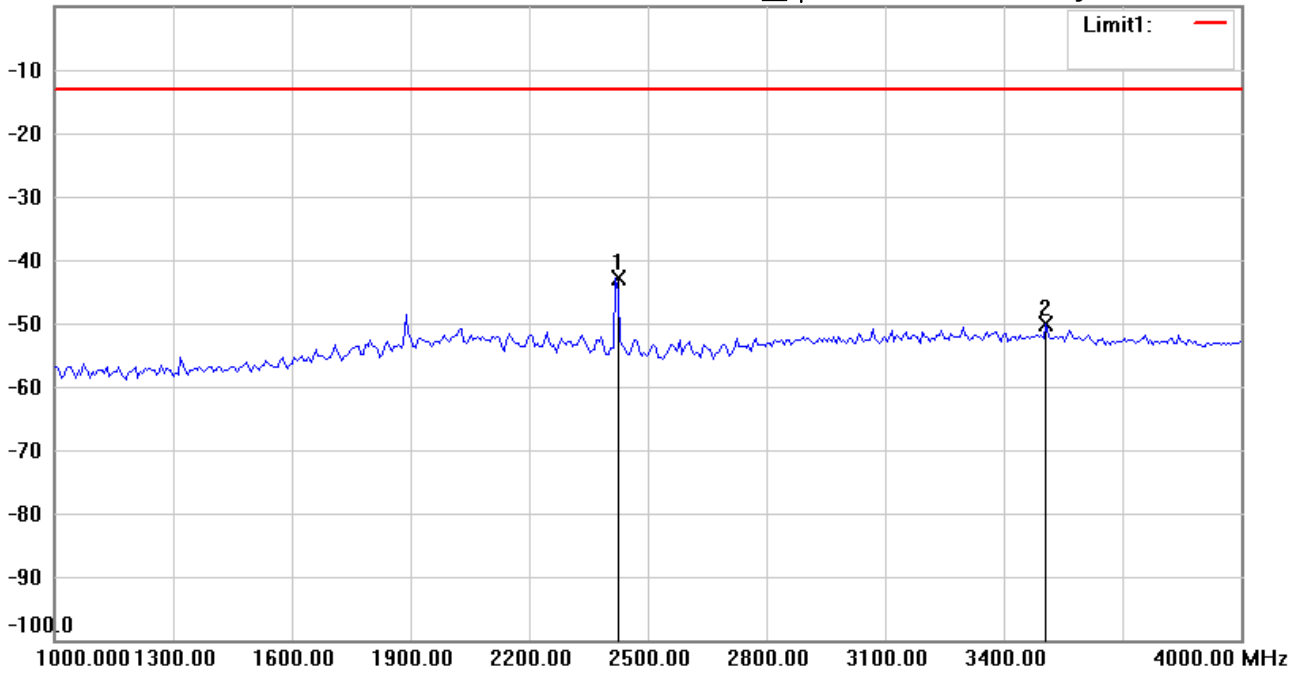
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 09:51:47

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band4-CH1513

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	2418.838	-51.57	peak	8.66	-42.91	-13.00	150	150	-29.91	
	3507.014	-60.67	peak	10.43	-50.24	-13.00	150	280	-37.24	



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#2

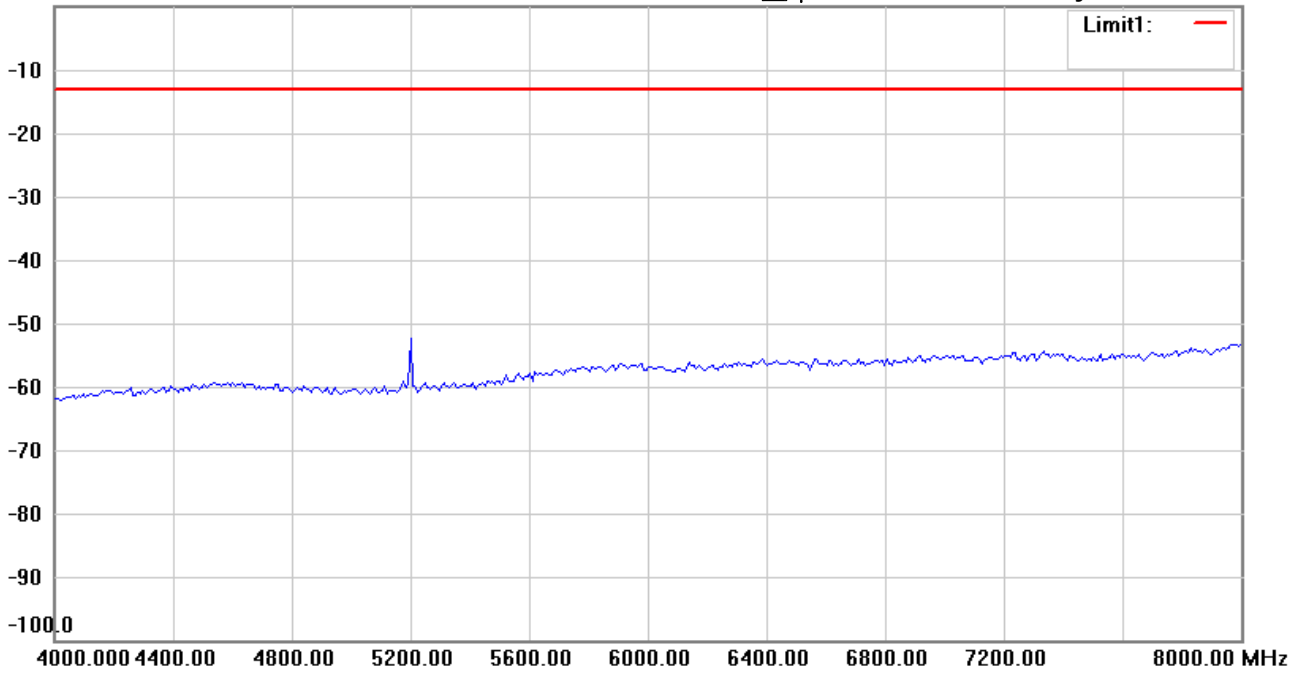
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 09:47:37

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band4-CH1513

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#7

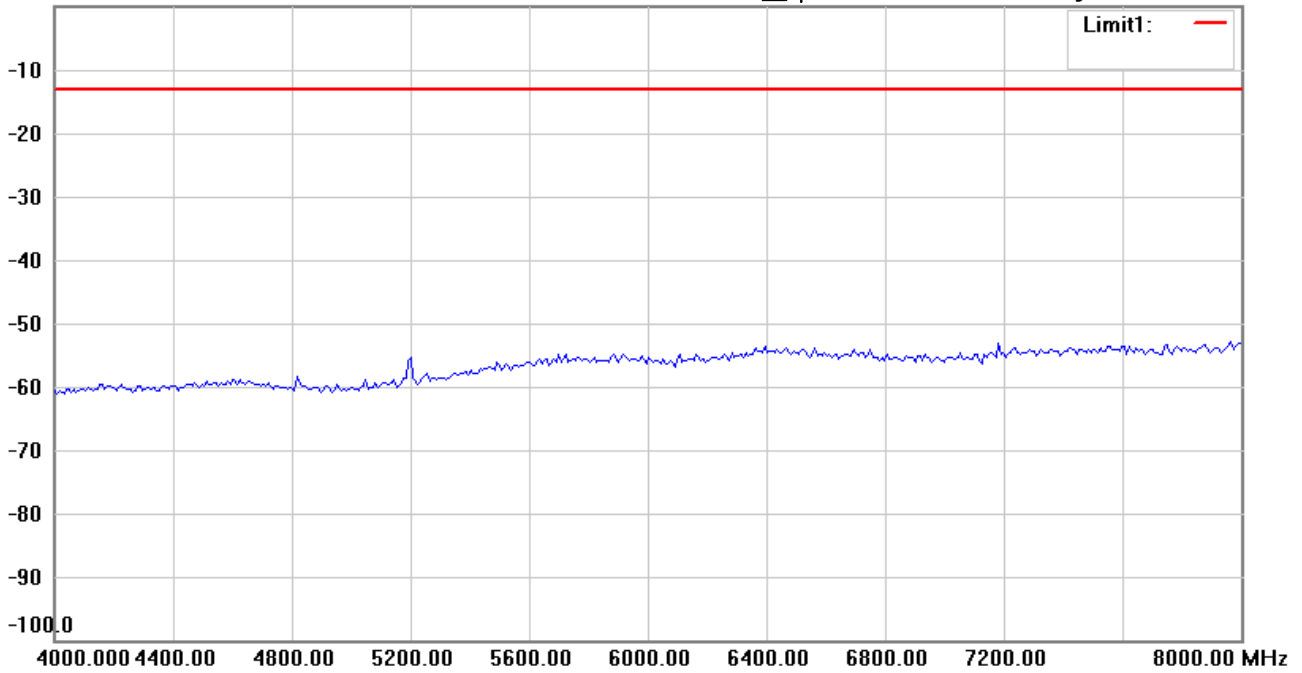
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 09:52:24

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band4-CH1513

Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#3

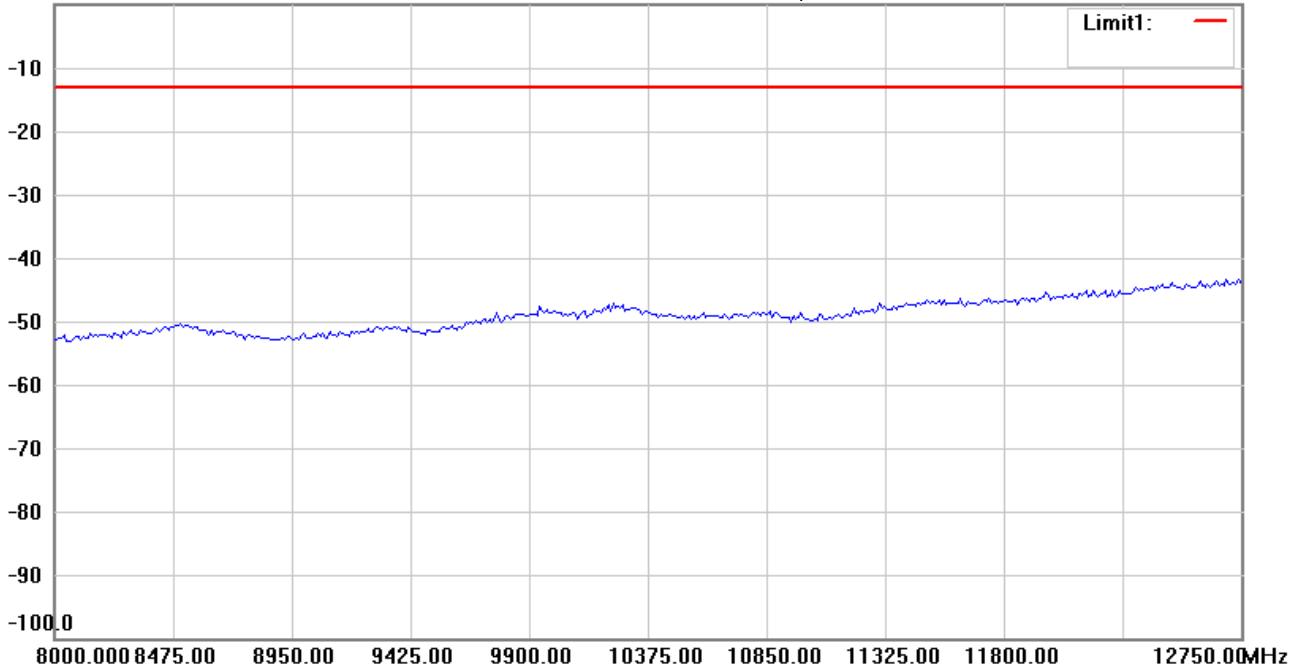
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 09:48:50

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band4-CH1513

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#8

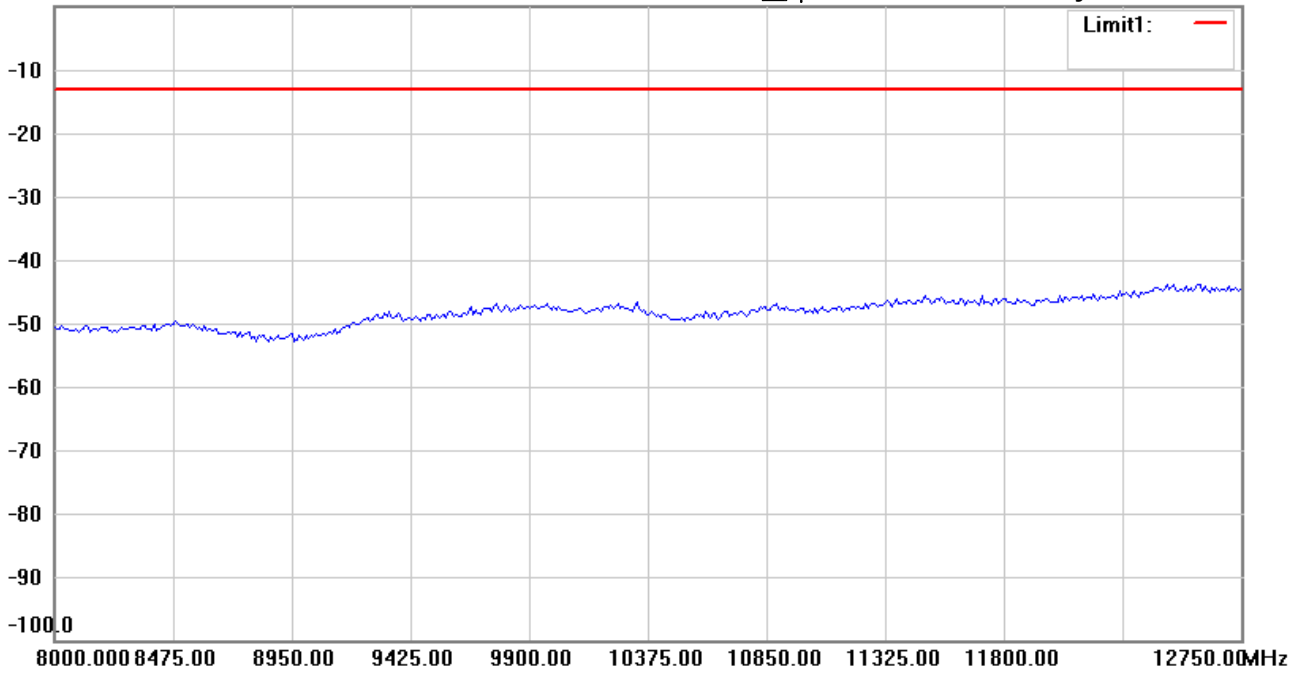
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 09:54:12

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band4-CH1513

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	---------------	----------	-------------------	--------------	-------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin





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Radiated Emission Measurement

Operator: Sora

File :3

Data :#4

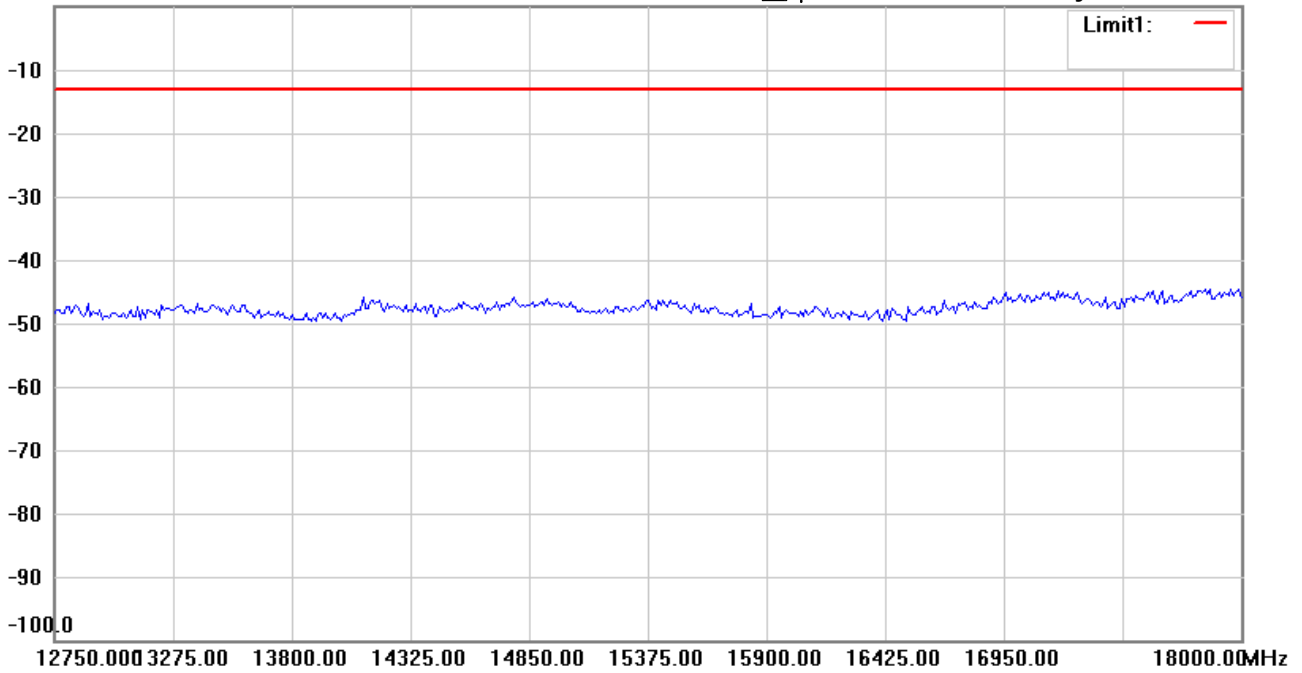
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 09:49:02

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band4-CH1513

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	---------------	----------	-------------------	--------------	-------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#9

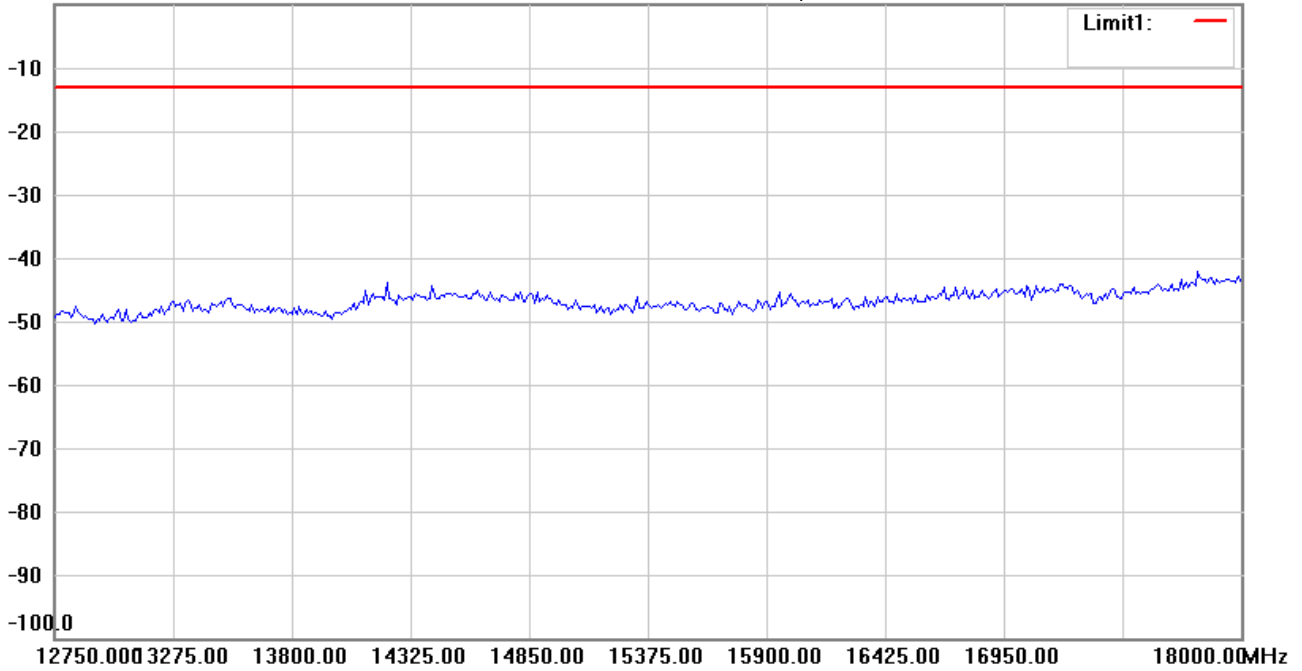
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 09:54:24

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

Polarization: **Vertical**

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : WCDMA-Band4-CH1513

Note :

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	---------------	----------	-------------------	--------------	-------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#5

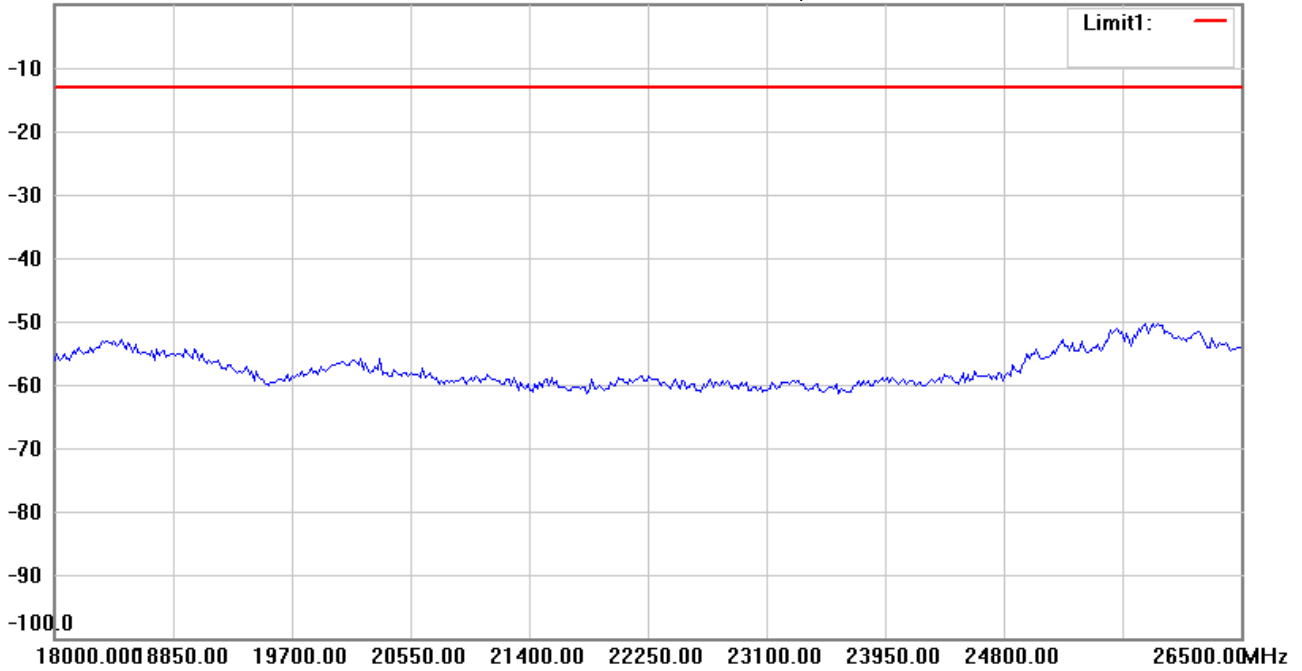
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 09:49:14

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band4-CH1513

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	---------------	----------	-------------------	--------------	-------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#10

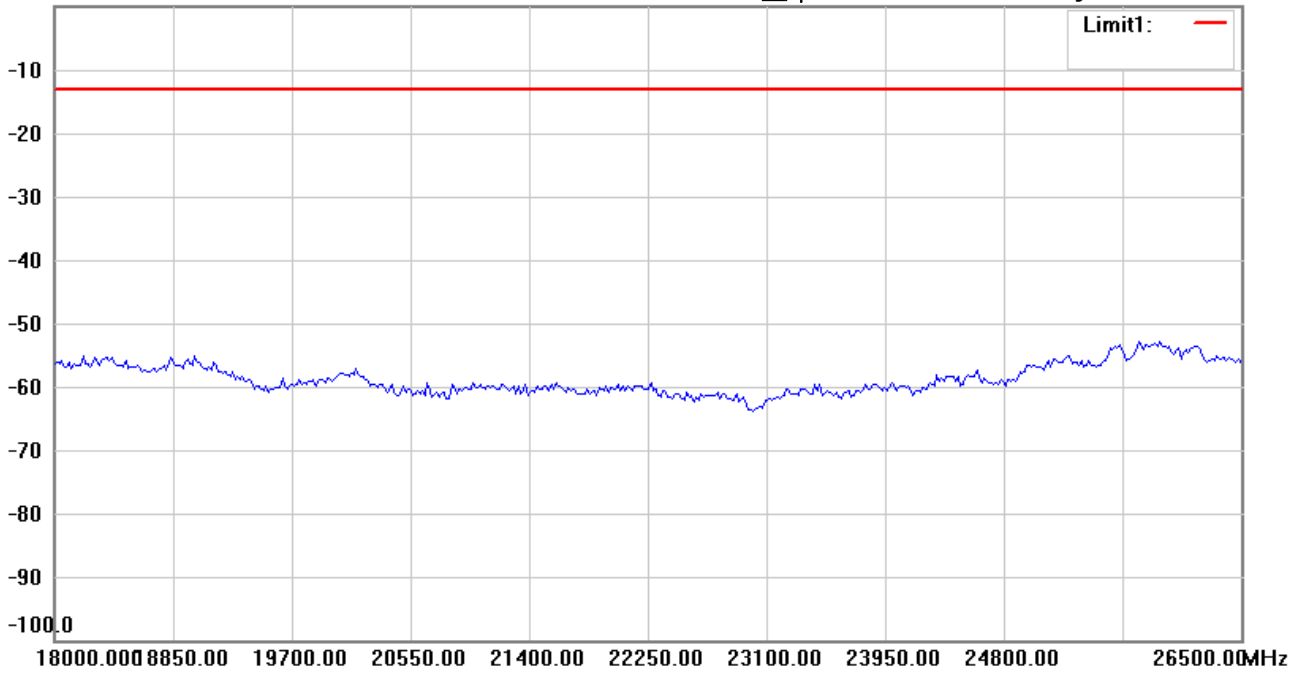
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 09:54:35

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

Polarization: **Vertical**

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : WCDMA-Band4-CH1513

Note :

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	---------------	----------	-------------------	--------------	-------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
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Radiated Emission Measurement

Operator: Sora

File :1

Data :#1

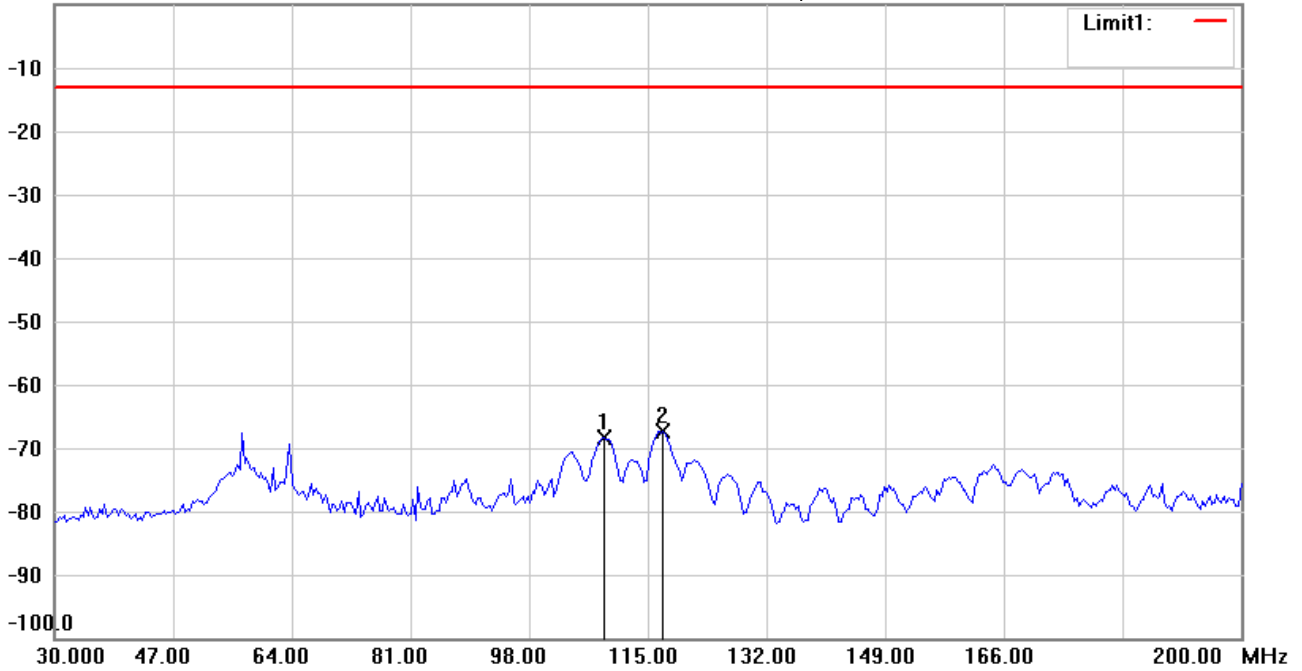
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 10:33:02

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

Polarization: **Horizontal**

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : WCDMA-Band5-CH4132

Note :

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	108.6974	-90.64	peak	22.26	-68.38	-13.00	150	245	-55.38	
*	117.2144	-89.17	peak	21.82	-67.35	-13.00	150	225	-54.35	

\*:Maximum data    x:Over limit    !:over margin



Radiated Emission Measurement

Operator: Sora

File :1

Data :#2

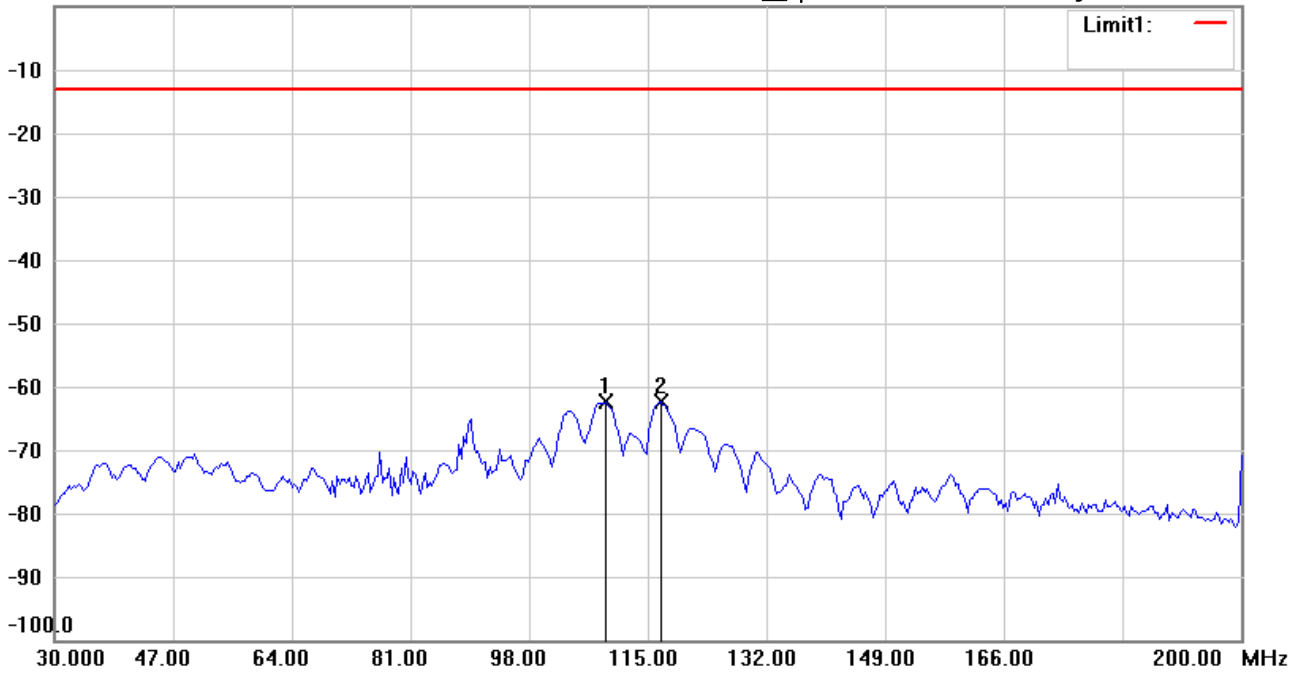
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 10:47:48

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band5-CH4132

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	109.0381	-86.24	peak	23.83	-62.41	-13.00	150	125	-49.41	
	116.8737	-85.70	peak	23.24	-62.46	-13.00	150	150	-49.46	



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
 Tel:+886-2-6606-8877  
 Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Sora

File :2

Data :#1

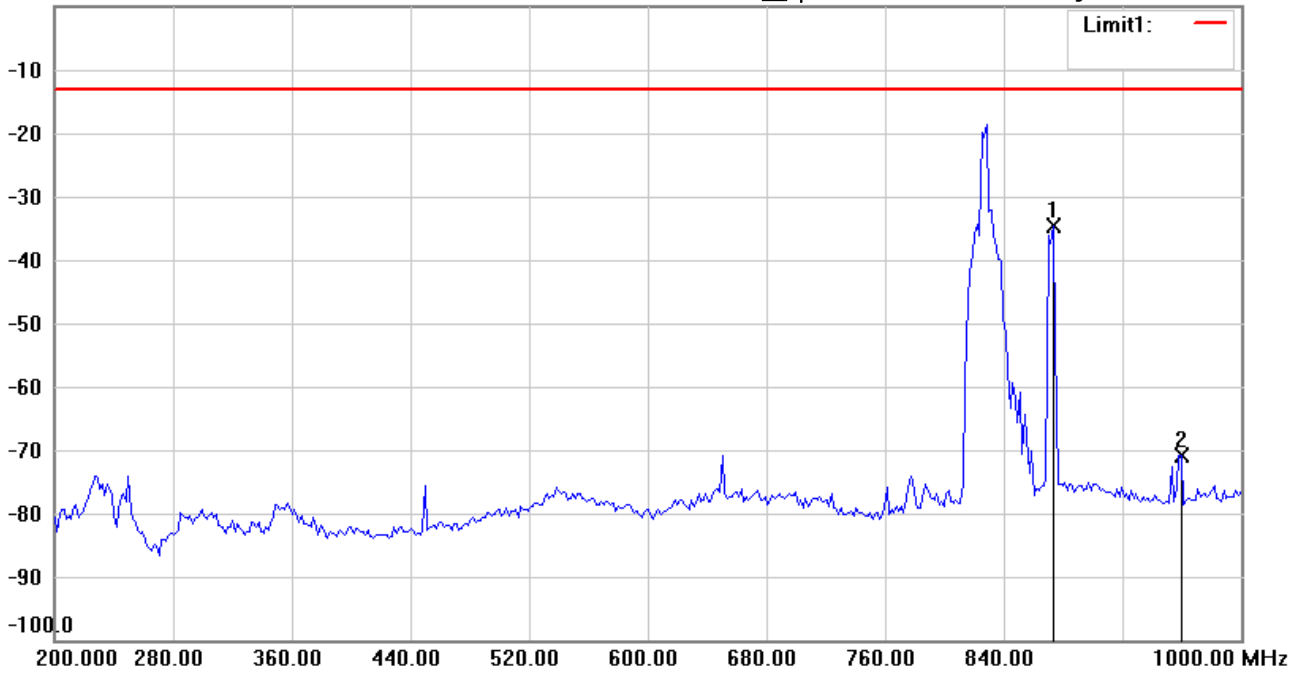
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 11:33:05

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band5-CH4132

Note :

Polarization: **Horizontal**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	873.3467	-35.66	peak	1.02	-34.64	-13.00	150	115	-21.64	
	959.9198	-69.28	peak	-1.52	-70.80	-13.00	150	90	-57.80	

\*:Maximum data    x:Over limit    !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
 Tel:+886-2-6606-8877  
 Fax:+886-2-6606-8875

**Radiated Emission Measurement**

Operator: Sora

File :2

Data :#2

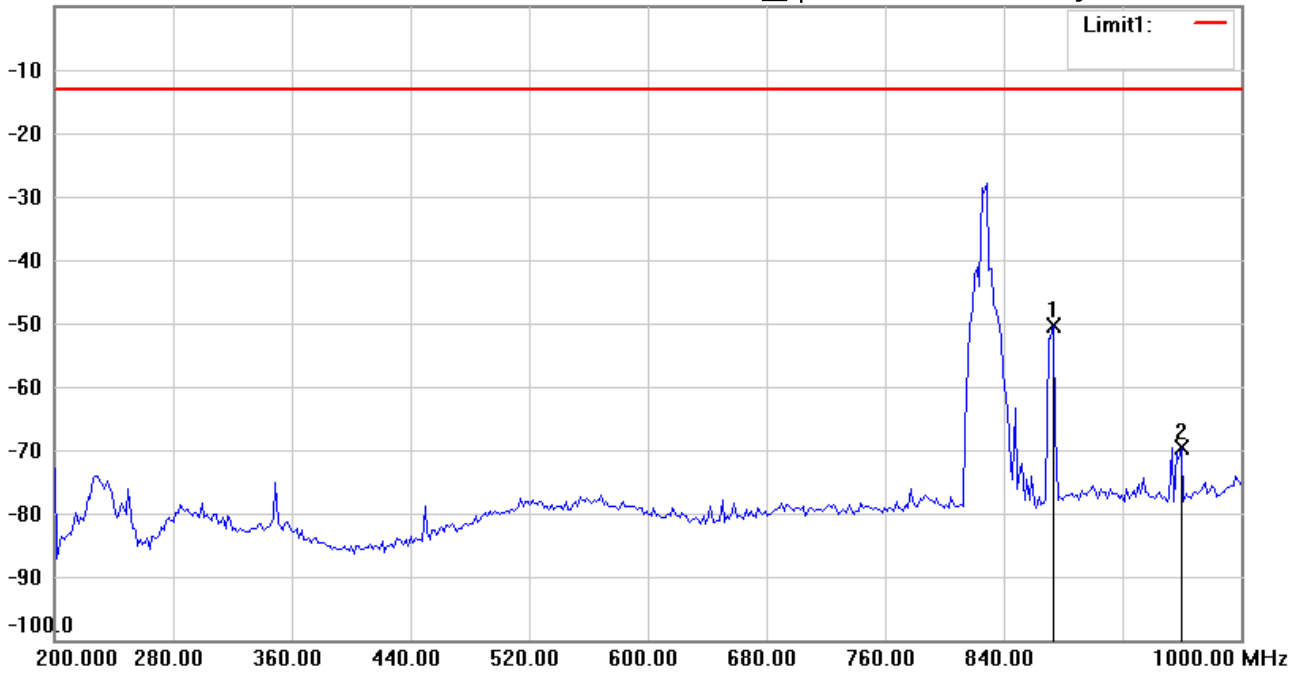
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 11:34:19

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band5-CH4132

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	873.3467	-49.72	peak	-0.75	-50.47	-13.00	150	225	-37.47	
	959.9198	-68.93	peak	-0.76	-69.69	-13.00	150	305	-56.69	

\*:Maximum data    x:Over limit    !:over margin





Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
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Radiated Emission Measurement

Operator: Sora

File :3

Data :#1

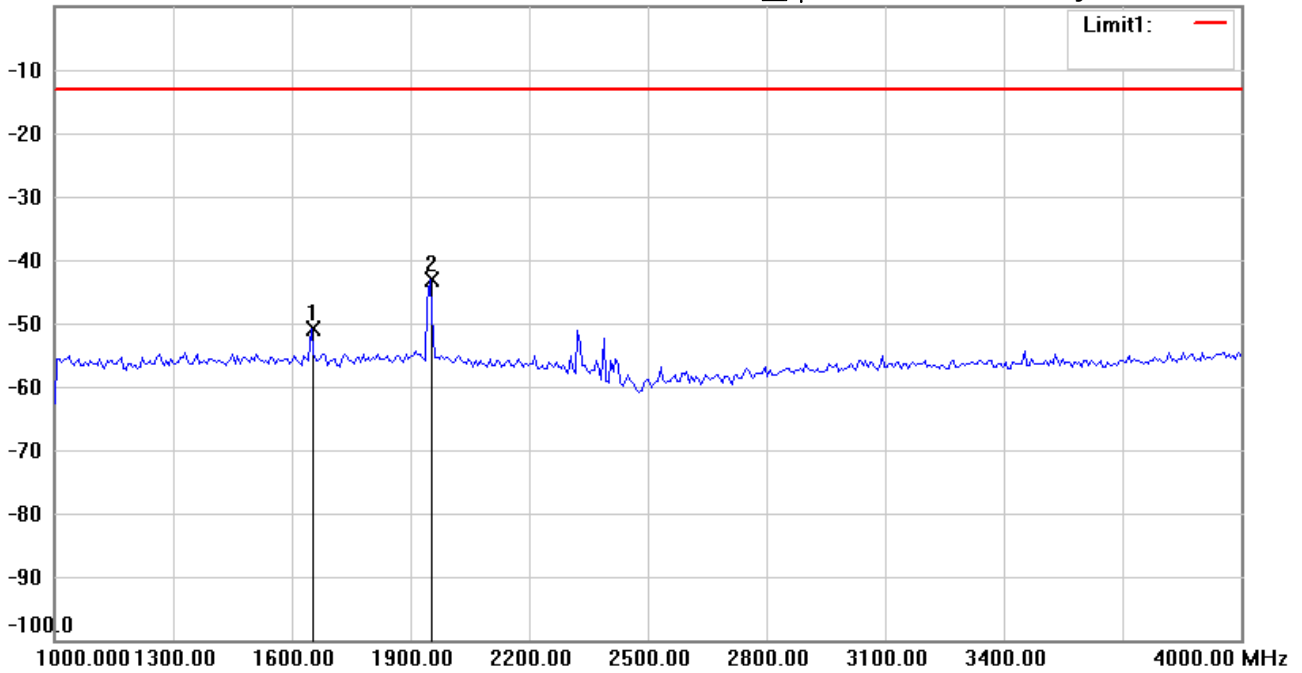
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 08:59:51

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band5-CH4132

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	1649.299	-56.63	peak	5.78	-50.85	-13.00	150	155	-37.85	
*	1949.900	-49.04	peak	5.94	-43.10	-13.00	150	105	-30.10	

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#4

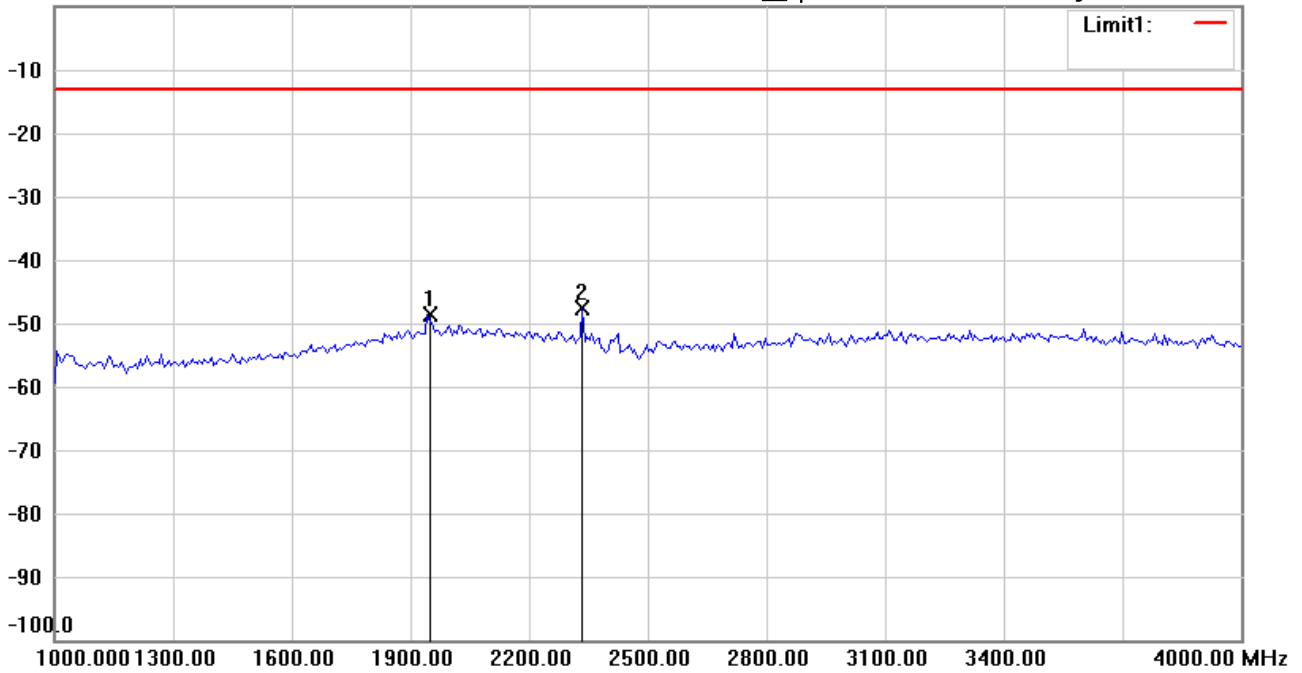
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 09:27:13

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band5-CH4132

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	1943.888	-58.48	peak	9.90	-48.58	-13.00	150	55	-35.58	
*	2334.669	-56.60	peak	9.01	-47.59	-13.00	150	90	-34.59	

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#2

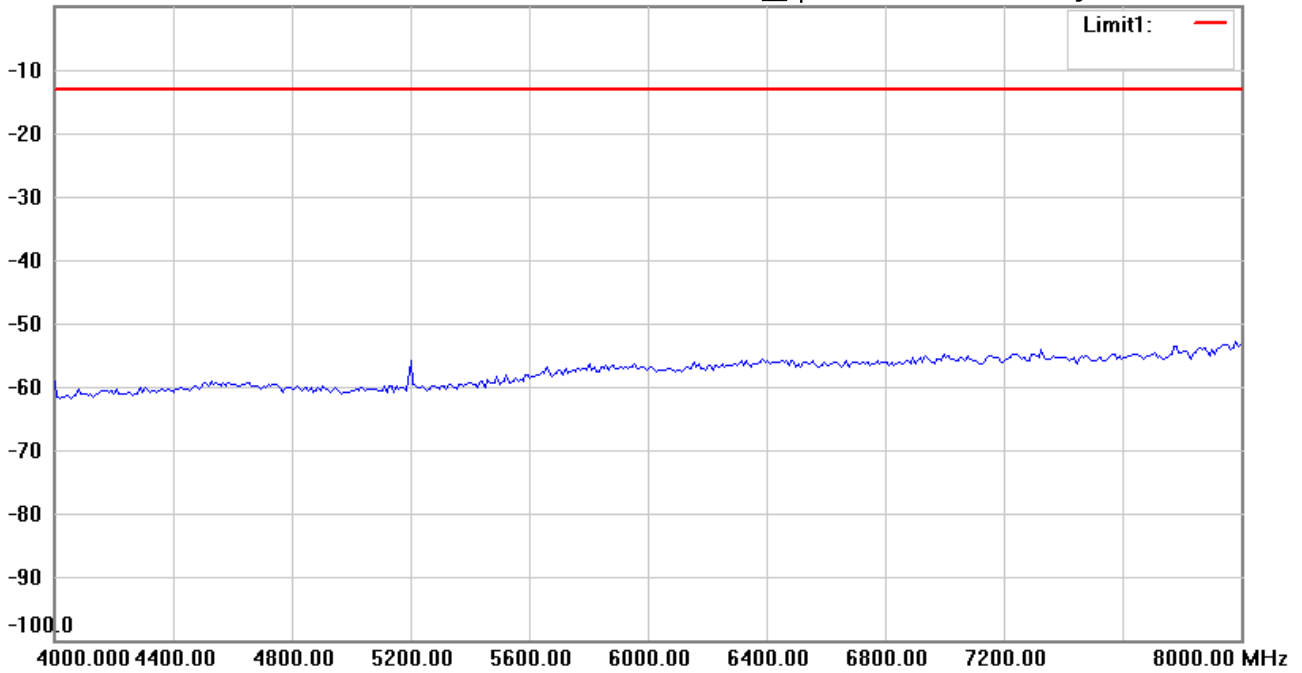
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 09:00:33

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band5-CH4132

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
 Tel:+886-2-6606-8877  
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Radiated Emission Measurement

Operator: Sora

File :3

Data :#5

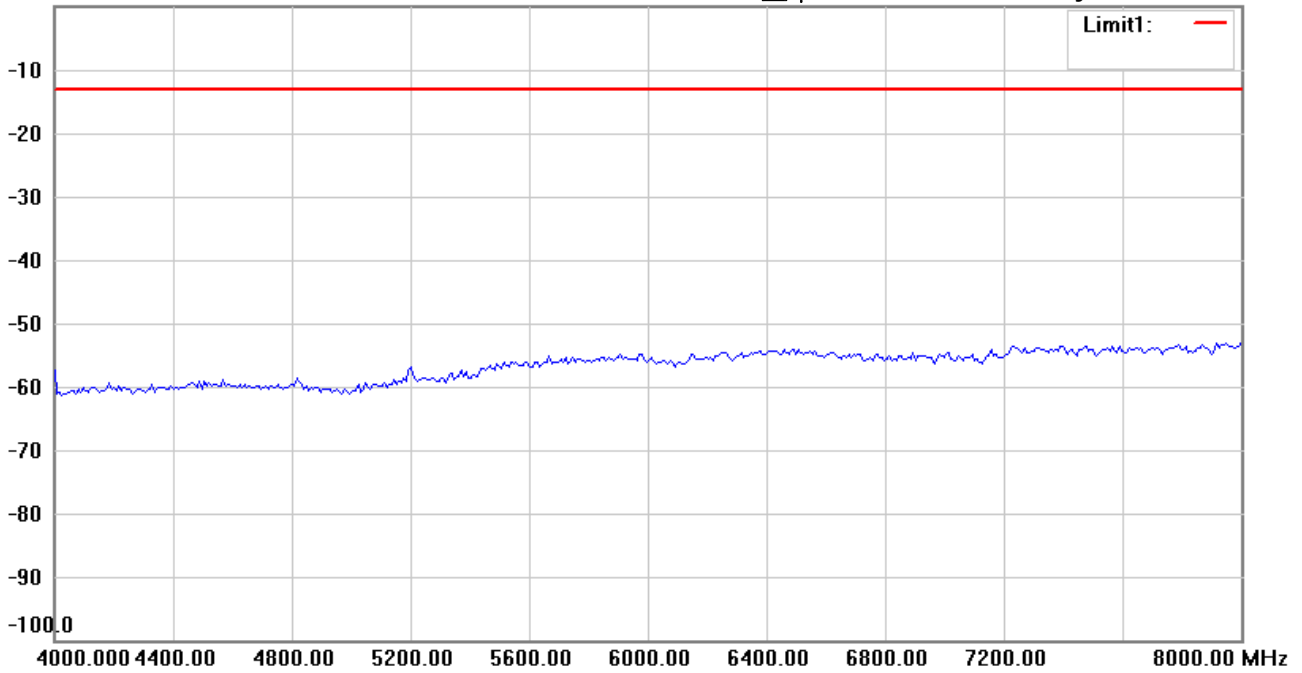
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 09:28:53

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

Polarization: **Vertical**

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : WCDMA-Band5-CH4132

Note :

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
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Radiated Emission Measurement

Operator: Sora

File :3

Data :#3

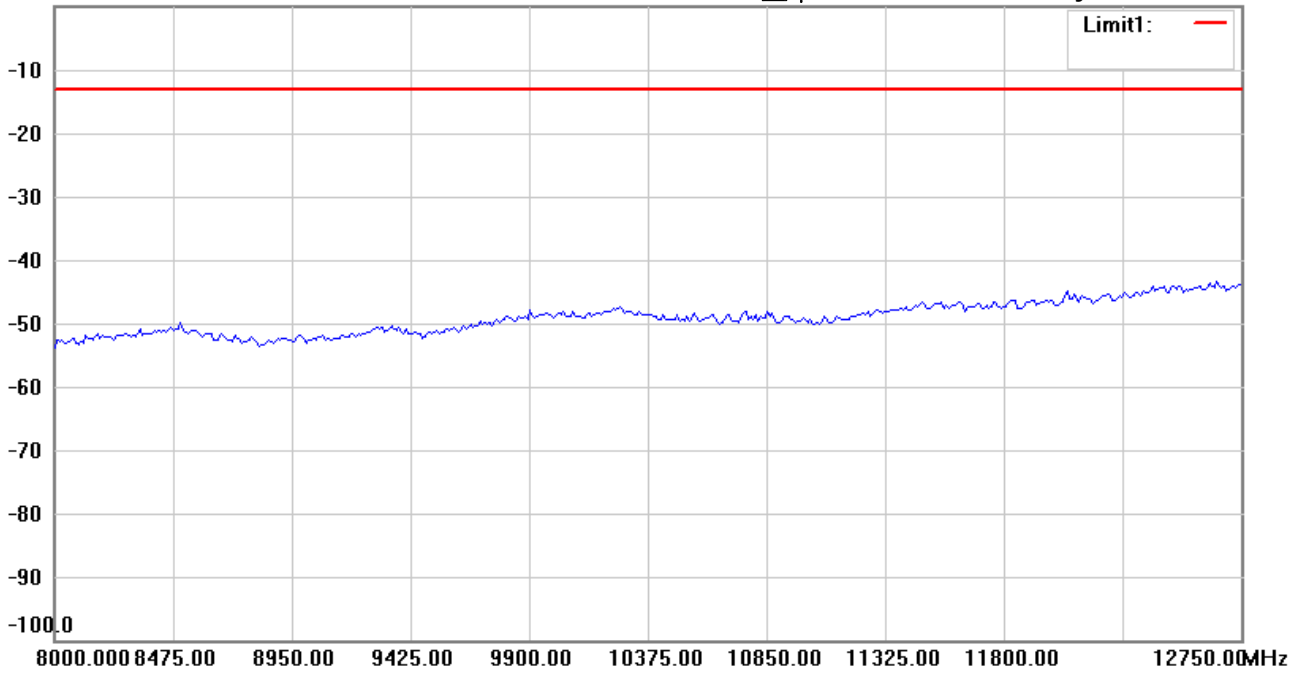
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 09:01:19

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band5-CH4132

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#6

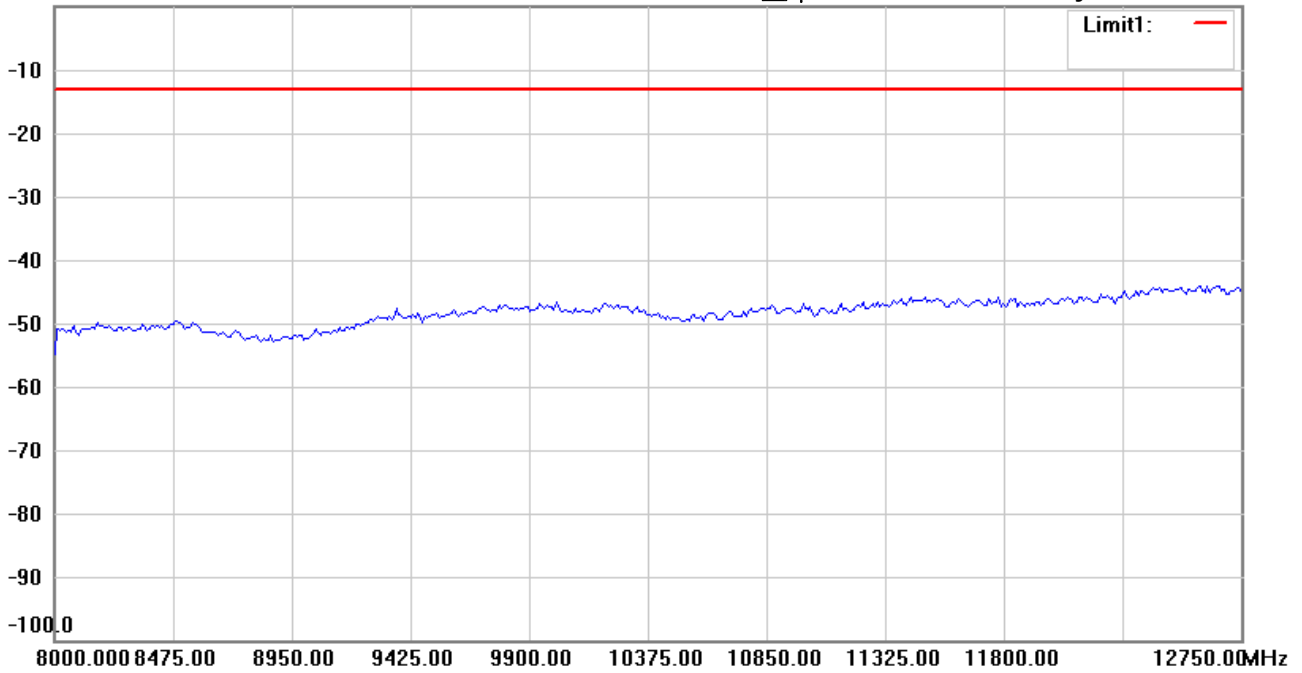
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 09:29:58

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band5-CH4132

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
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Radiated Emission Measurement

Operator: Sora

File :1

Data :#1

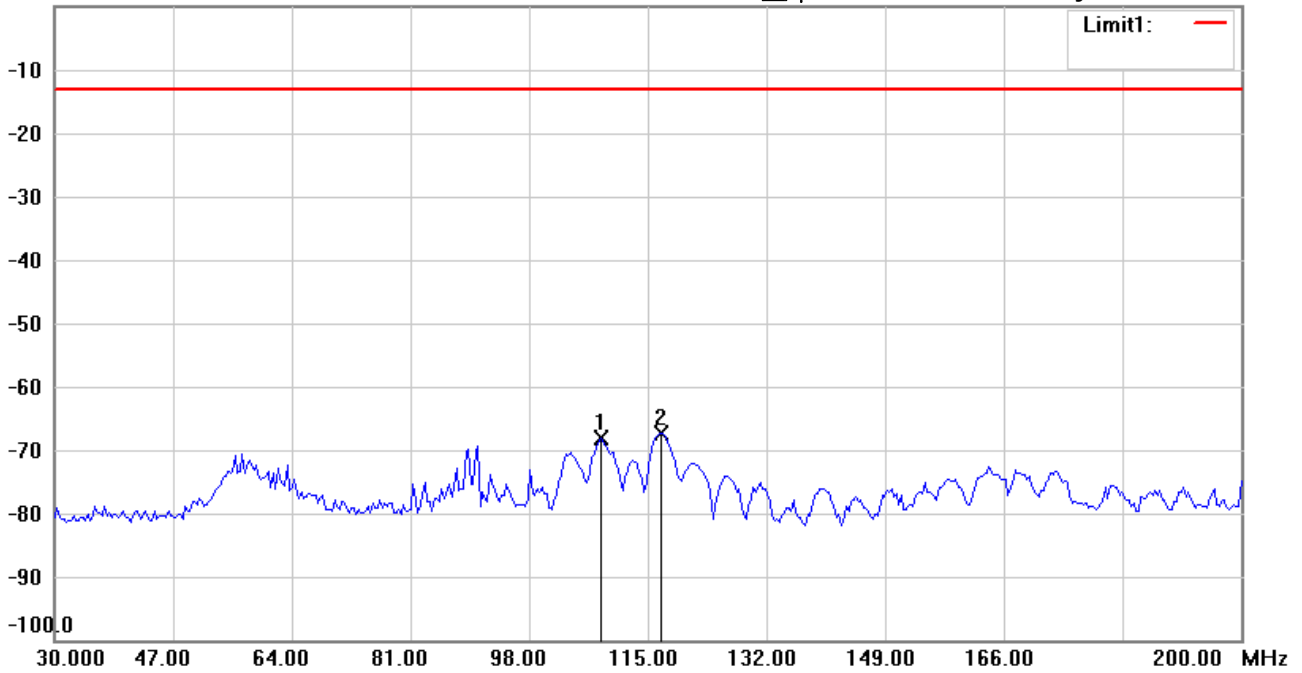
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 10:34:33

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band5-CH4183

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	108.3567	-90.29	peak	22.27	-68.02	-13.00	150	235	-55.02	
*	116.8737	-89.18	peak	21.84	-67.34	-13.00	150	250	-54.34	

\*:Maximum data x:Over limit !:over margin



Radiated Emission Measurement

Operator: Sora

File :1

Data :#2

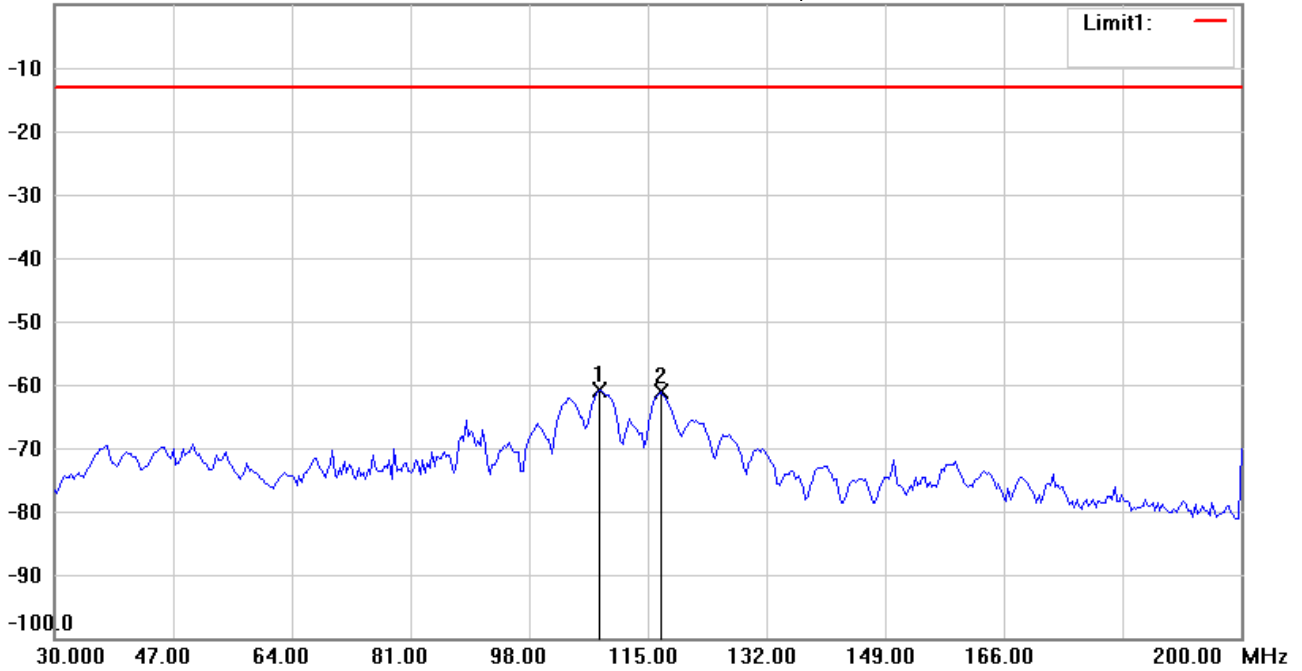
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 10:45:14

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band5-CH4183

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	108.0160	-84.70	peak	23.90	-60.80	-13.00	150	150	-47.80	
	116.8737	-84.36	peak	23.24	-61.12	-13.00	150	115	-48.12	





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Radiated Emission Measurement

Operator: Sora

File :2

Data :#1

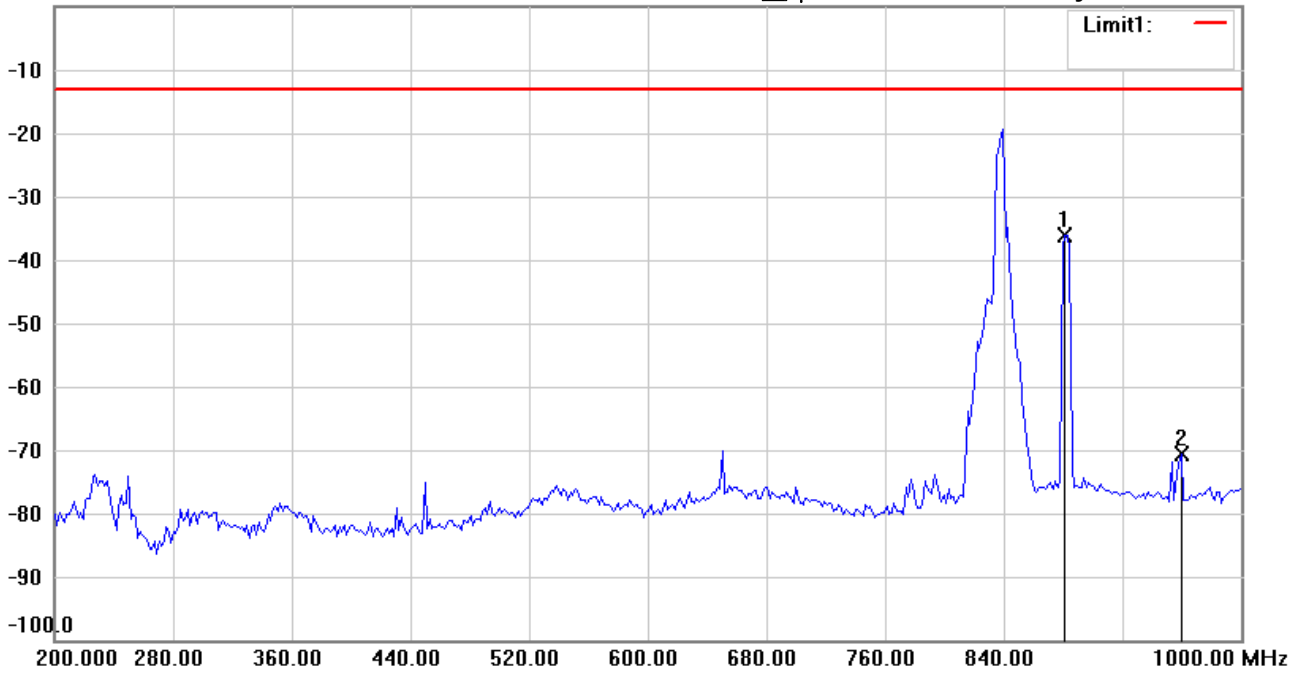
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 11:38:27

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band5-CH4183

Note :

Polarization: **Horizontal**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	881.3627	-37.11	peak	0.96	-36.15	-13.00	150	135	-23.15	
	959.9198	-69.06	peak	-1.52	-70.58	-13.00	150	155	-57.58	

\*:Maximum data x:Over limit !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
 Tel:+886-2-6606-8877  
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Radiated Emission Measurement

Operator: Sora

File :2

Data :#2

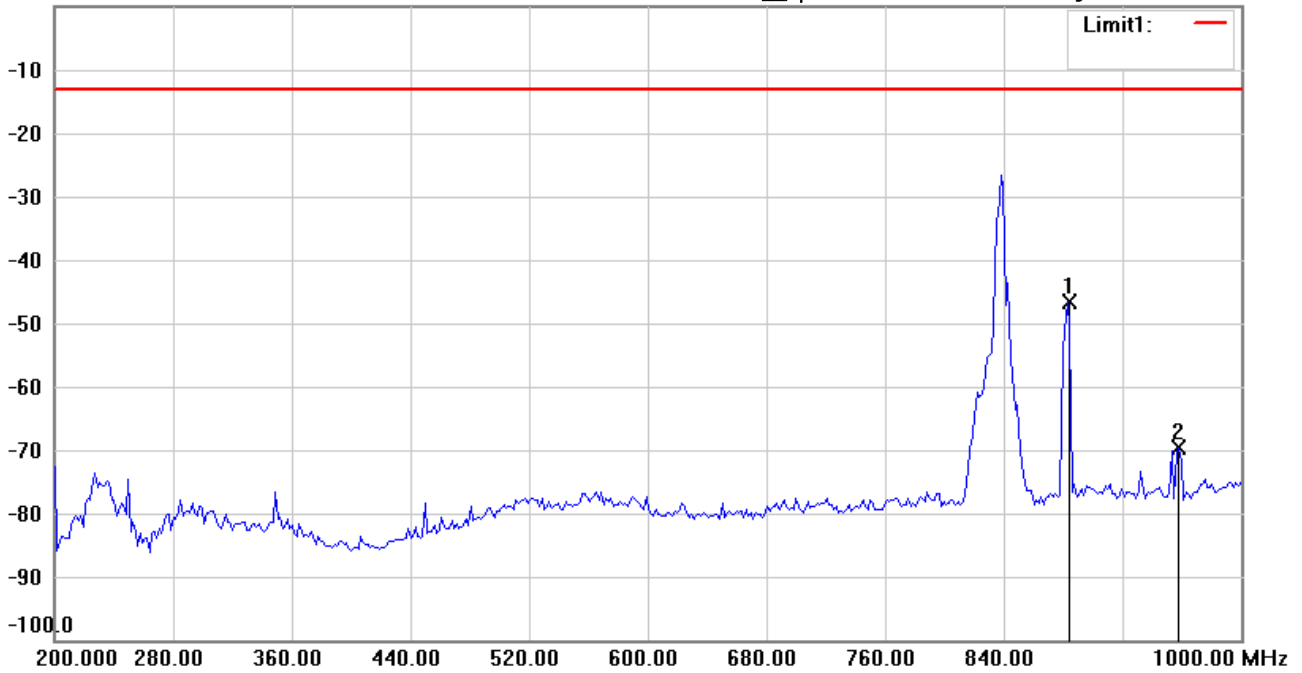
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 11:36:52

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band5-CH4183

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	882.9660	-46.09	peak	-0.48	-46.57	-13.00	150	255	-33.57	
	958.3166	-68.72	peak	-0.82	-69.54	-13.00	150	45	-56.54	

\*:Maximum data x:Over limit !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
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Radiated Emission Measurement

Operator: Sora

File :3

Data :#1

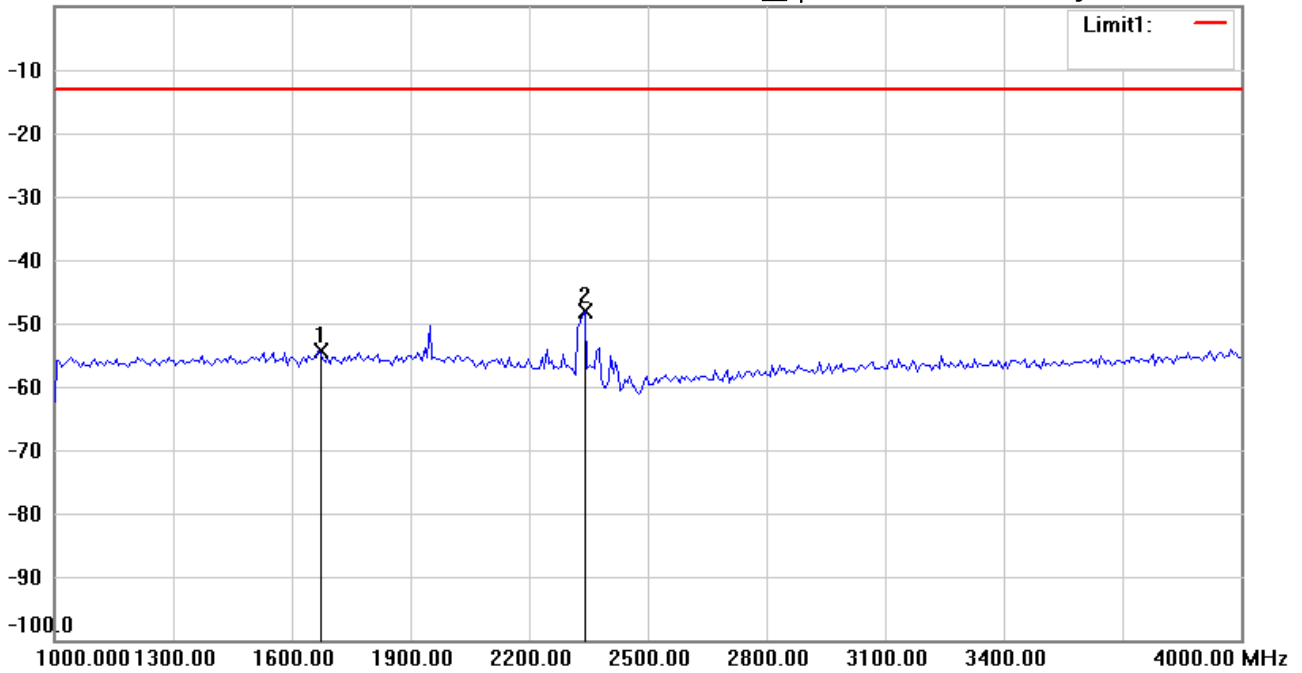
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 09:04:02

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band5-CH4183

Note :

Polarization: **Horizontal**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	1667.335	-60.06	peak	5.79	-54.27	-13.00	150	135	-41.27	
*	2340.681	-52.06	peak	4.02	-48.04	-13.00	150	250	-35.04	

\*:Maximum data x:Over limit !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
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Radiated Emission Measurement

Operator: Sora

File :3

Data :#4

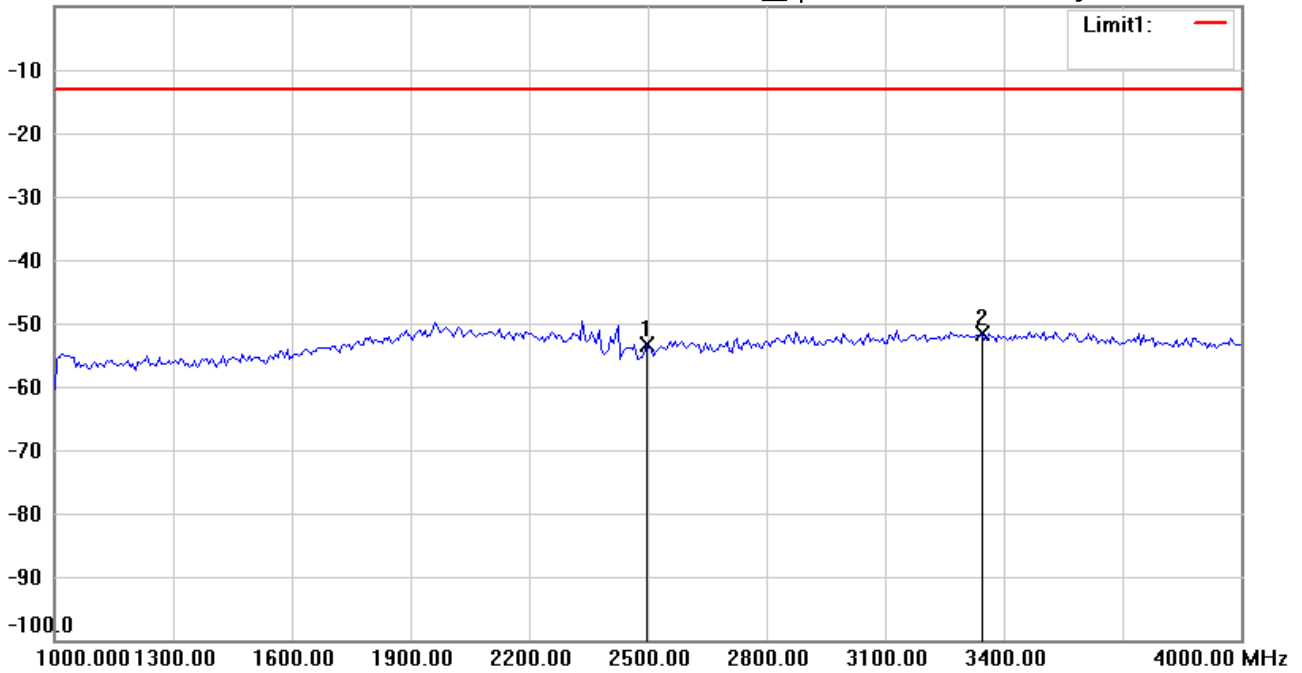
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 09:21:41

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band5-CH4183

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2496.994	-61.72	peak	8.32	-53.40	-13.00	150	245	-40.40	
*	3344.689	-61.76	peak	10.19	-51.57	-13.00	150	305	-38.57	

\*:Maximum data    x:Over limit    !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
 Tel:+886-2-6606-8877  
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Radiated Emission Measurement

Operator: Sora

File :3

Data :#2

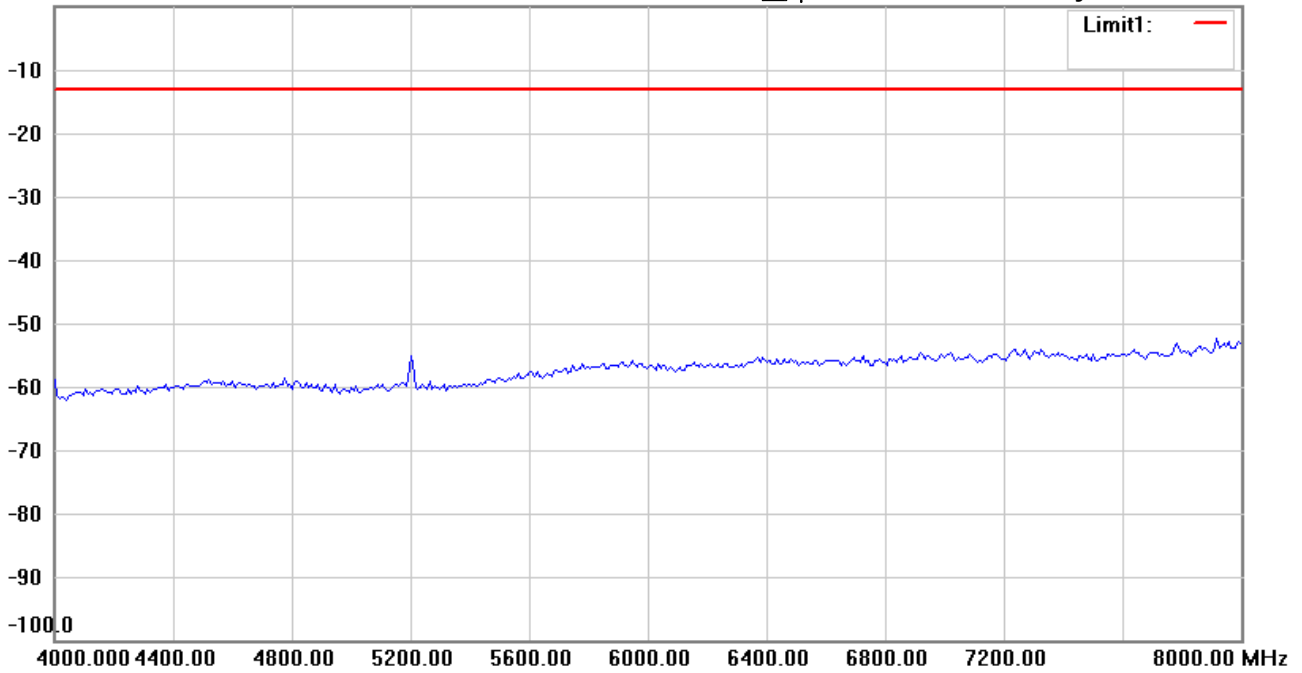
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 09:04:41

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band5-CH4183

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#5

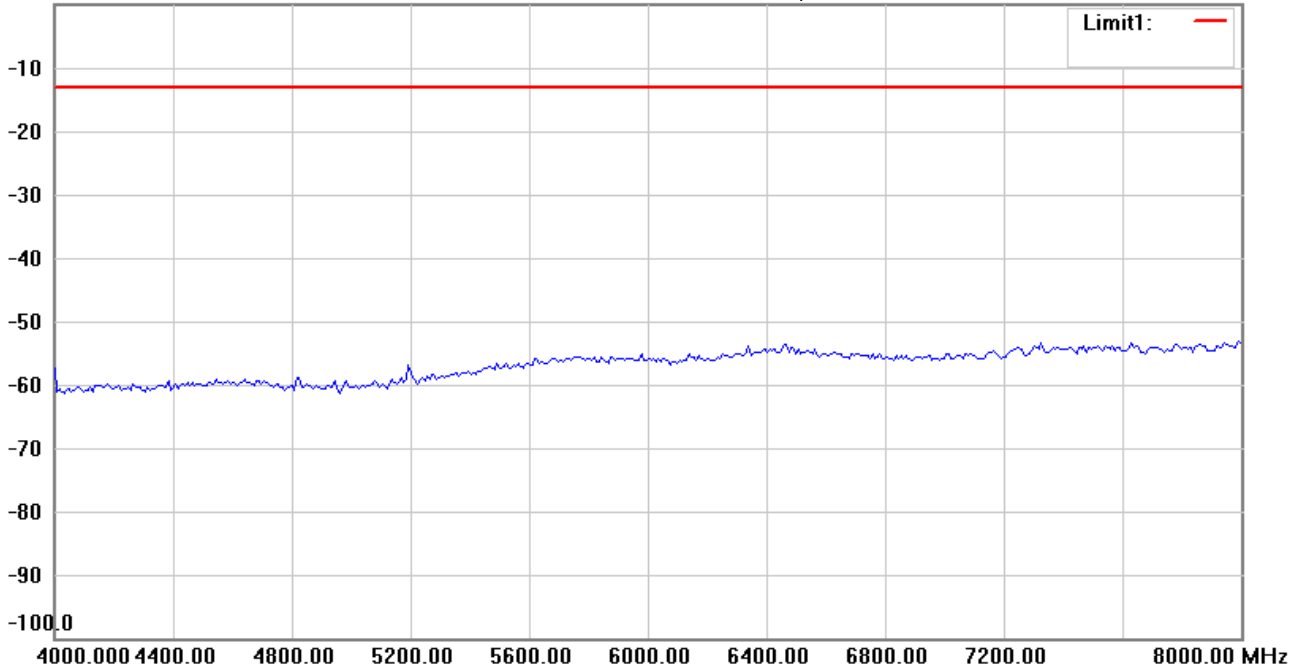
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 09:23:07

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band5-CH4183

Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	---------------	----------	-------------------	--------------	-------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
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 Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Sora

File :3

Data :#3

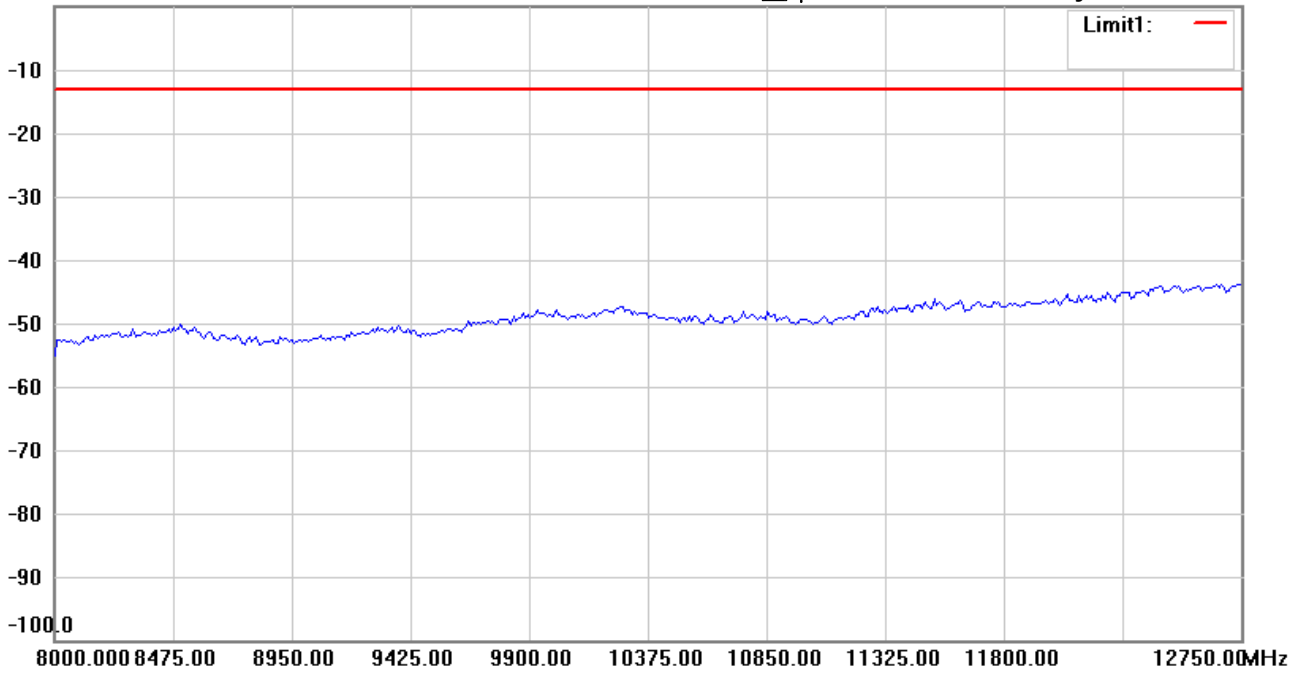
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 09:05:27

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

Polarization: *Horizontal*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : WCDMA-Band5-CH4183

Note :

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#6

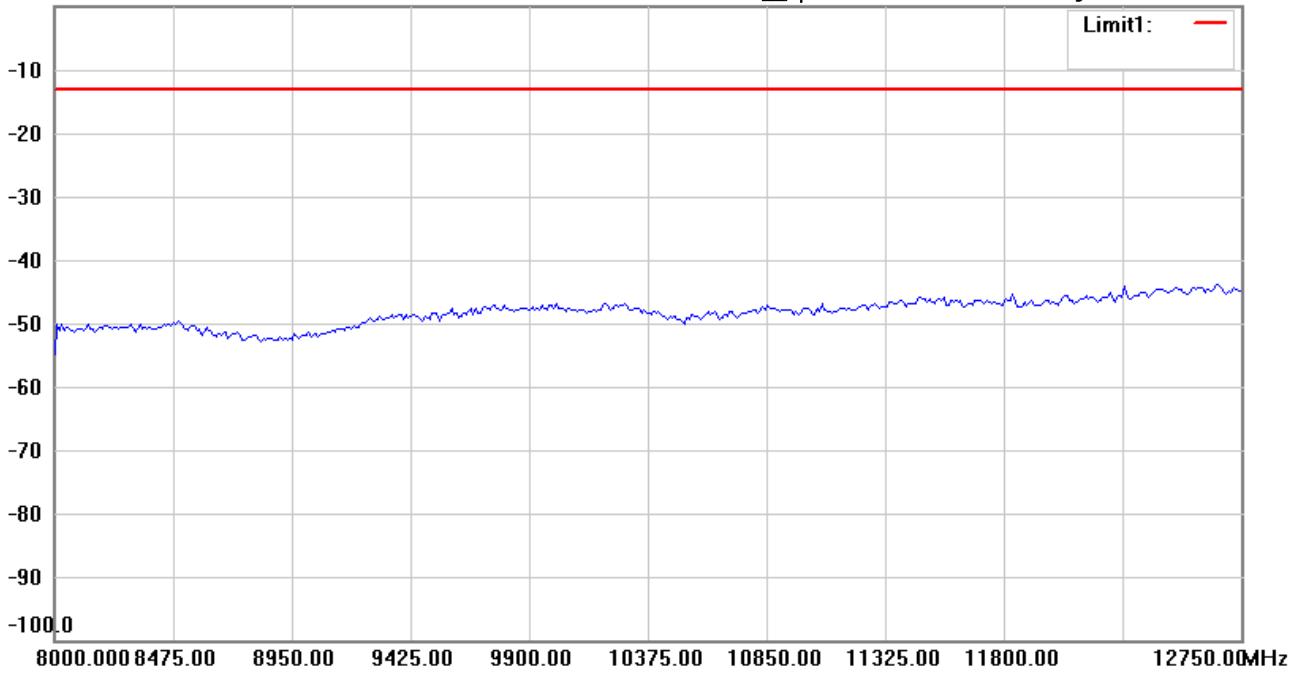
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 09:24:05

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band5-CH4183

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	---------------	----------	-------------------	--------------	-------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin





Radiated Emission Measurement

Operator: Sora

File :1

Data :#1

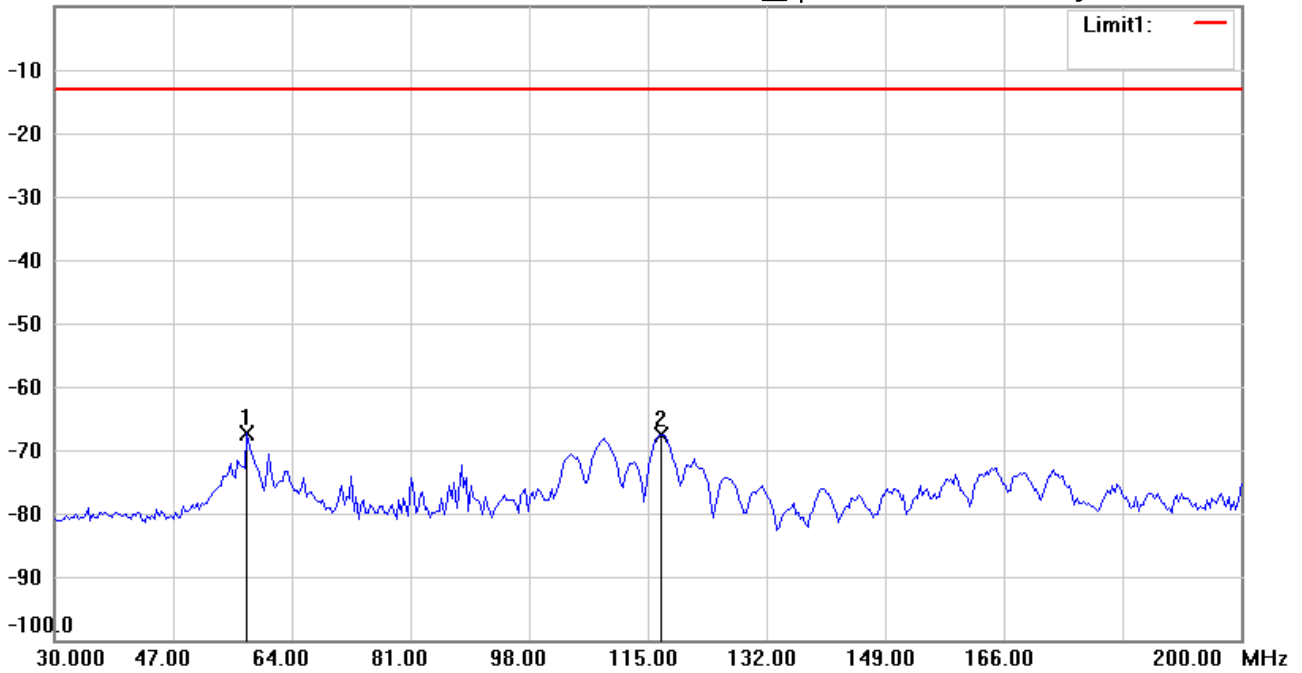
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 10:36:03

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band5-CH4233

Note :

Polarization: **Horizontal**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	57.5952	-91.96	peak	24.63	-67.33	-13.00	150	105	-54.33	
	116.8737	-89.40	peak	21.84	-67.56	-13.00	150	225	-54.56	



Radiated Emission Measurement

Operator: Sora

File :1

Data :#2

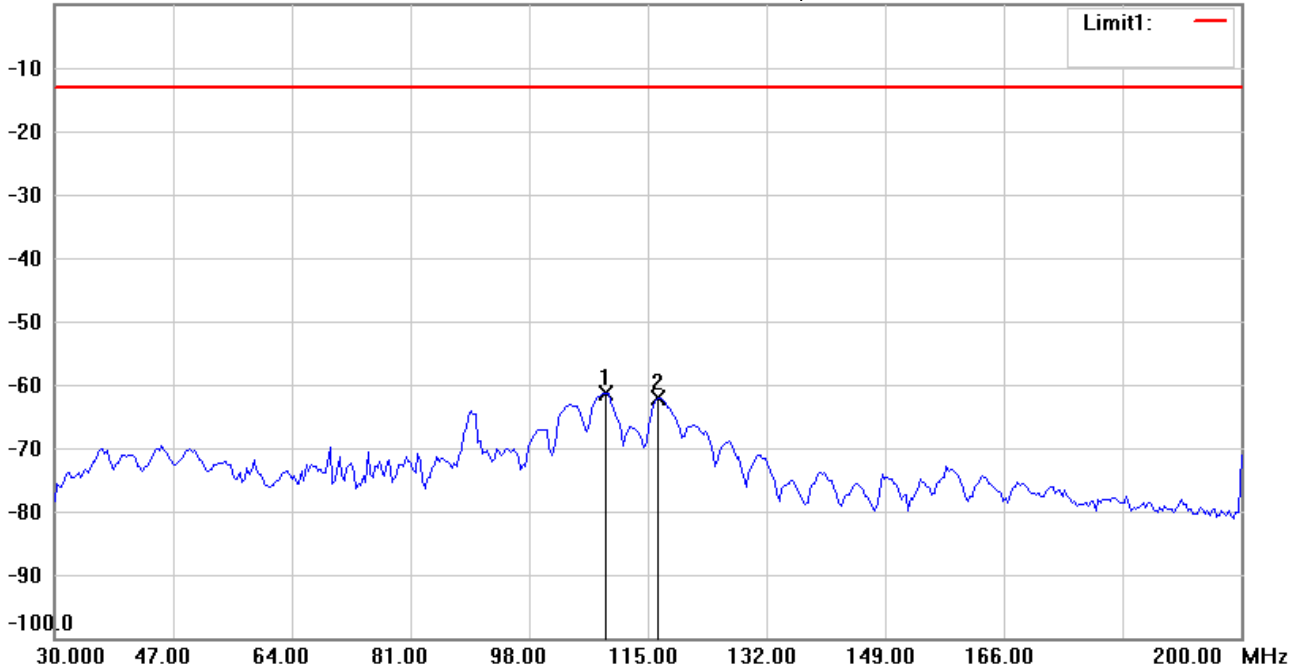
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 10:43:39

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

Polarization: **Vertical**

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : WCDMA-Band5-CH4233

Note :

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	109.0381	-85.11	peak	23.83	-61.28	-13.00	150	145	-48.28	
	116.5331	-85.37	peak	23.27	-62.10	-13.00	150	110	-49.10	



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
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 Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Sora

File :2

Data :#1

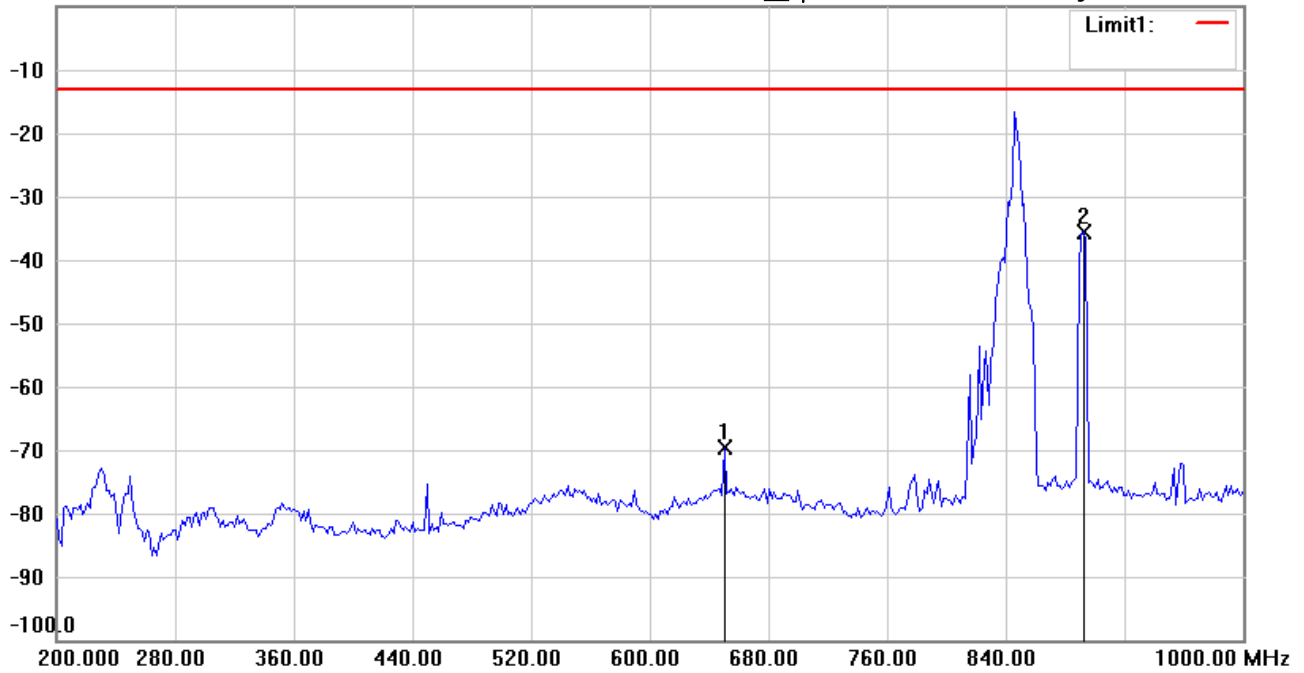
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 11:41:20

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band5-CH4233

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	650.5010	-70.42	peak	0.71	-69.71	-13.00	150	185	-56.71	
*	892.5852	-36.38	peak	0.86	-35.52	-13.00	150	135	-22.52	

\*:Maximum data x:Over limit !:over margin



Radiated Emission Measurement

Operator: Sora

File :2

Data :#2

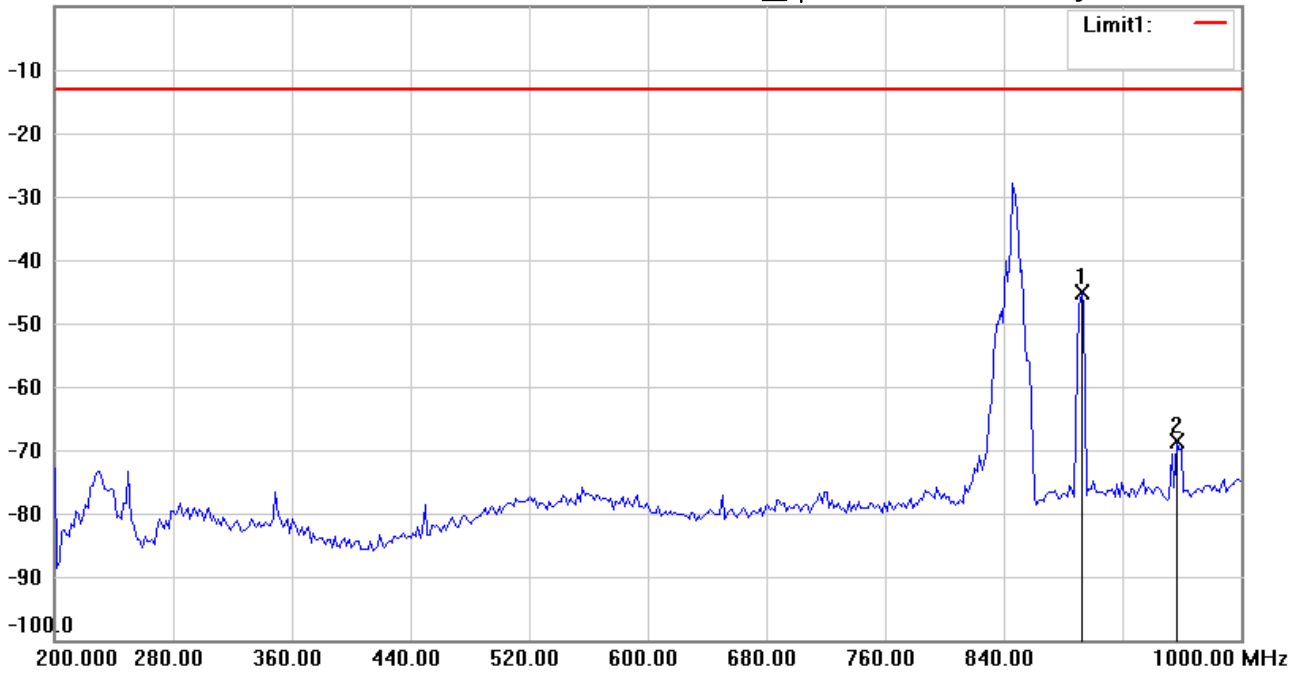
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 11:42:59

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band5-CH4233

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	892.5852	-44.85	peak	-0.22	-45.07	-13.00	150	315	-32.07	
	956.7134	-67.67	peak	-0.88	-68.55	-13.00	150	255	-55.55	



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#1

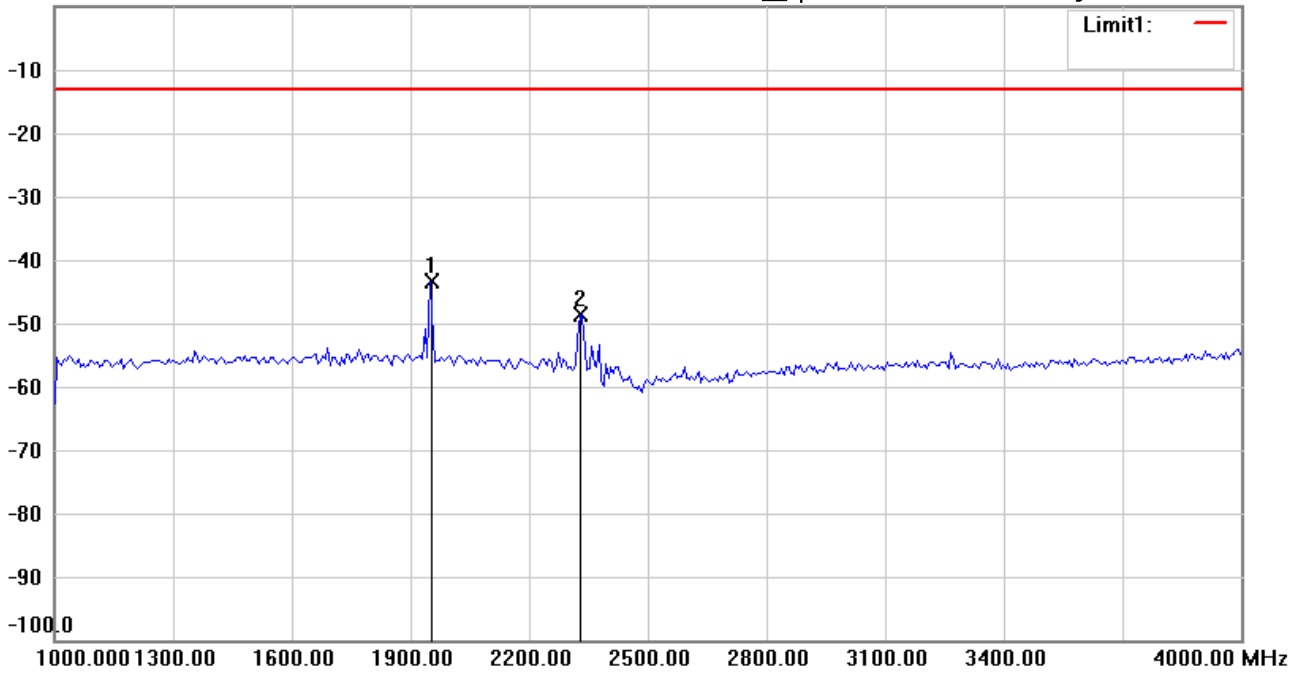
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 09:08:17

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band5-CH4233

Note :

Polarization: **Horizontal**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	1949.900	-49.37	peak	5.94	-43.43	-13.00	150	205	-30.43	
	2328.657	-52.60	peak	4.09	-48.51	-13.00	150	155	-35.51	

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#4

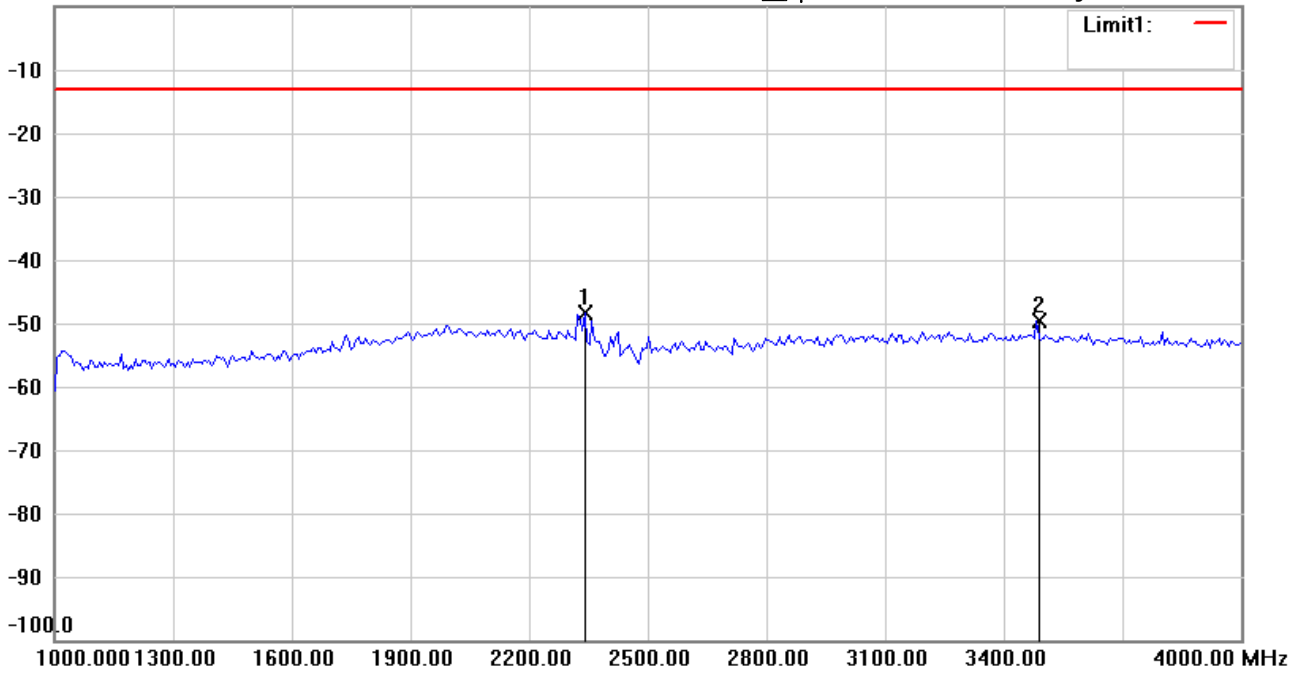
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 09:15:35

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band5-CH4233

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	2340.681	-57.32	peak	8.99	-48.33	-13.00	150	75	-35.33	
	3482.966	-60.15	peak	10.41	-49.74	-13.00	150	205	-36.74	

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#2

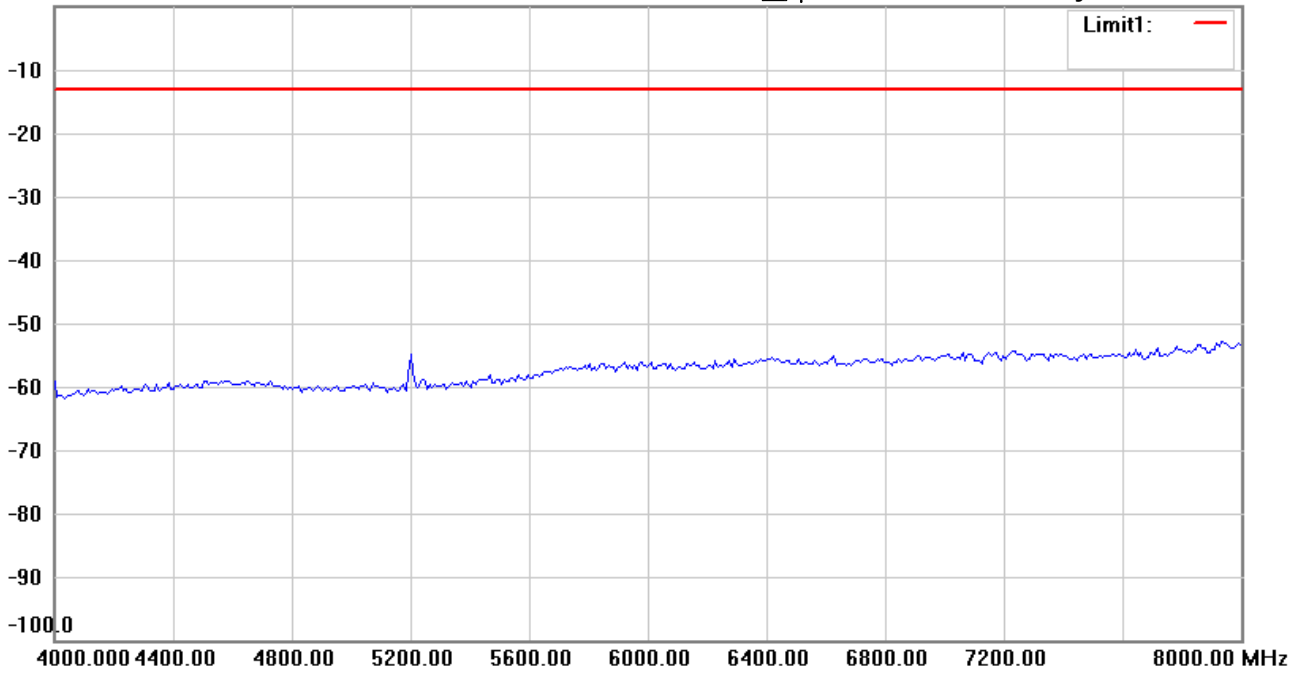
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 09:09:29

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band5-CH4233

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#5

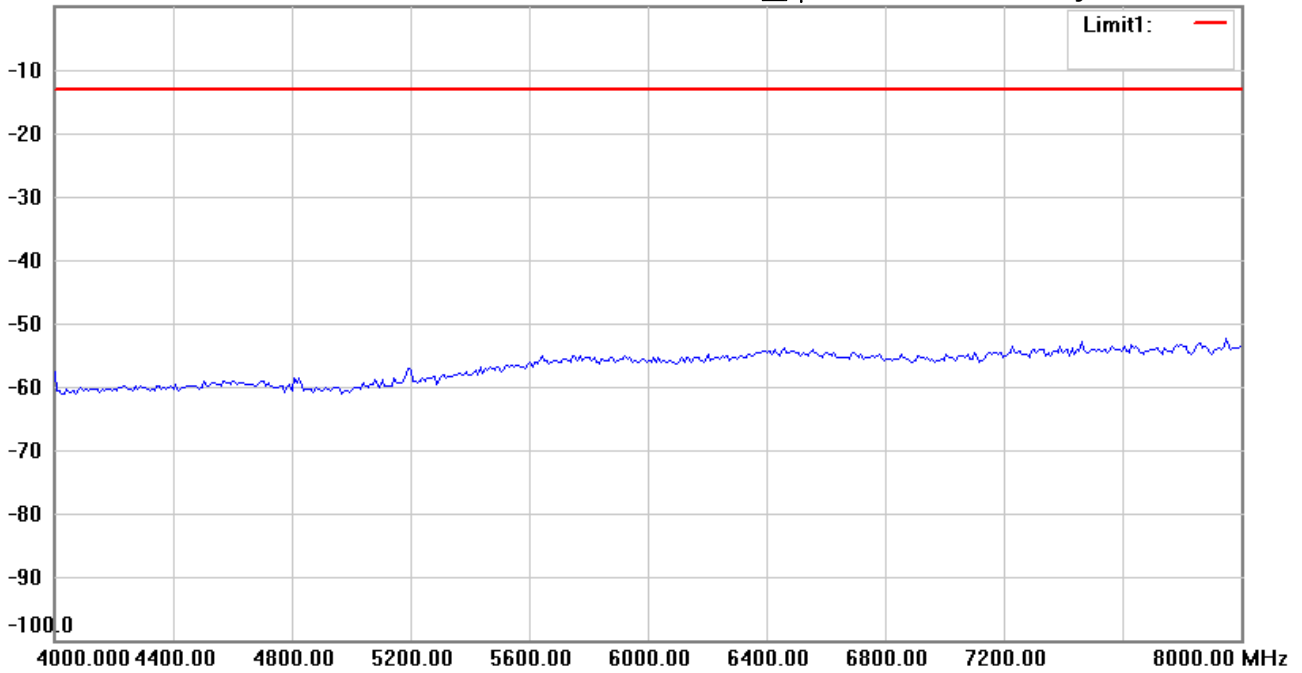
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 09:16:45

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : WCDMA-Band5-CH4233

Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin





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Radiated Emission Measurement

Operator: Sora

File :3

Data :#3

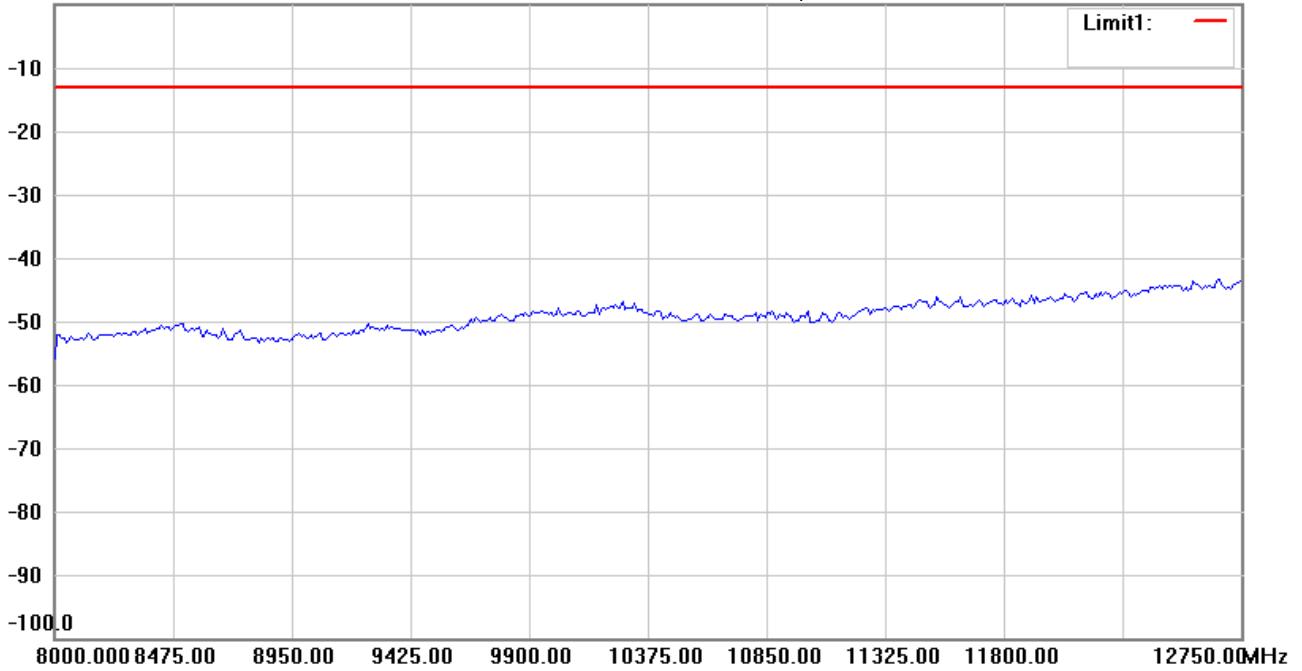
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 09:10:32

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

Polarization: *Horizontal*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : WCDMA-Band5-CH4233

Note :

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#6

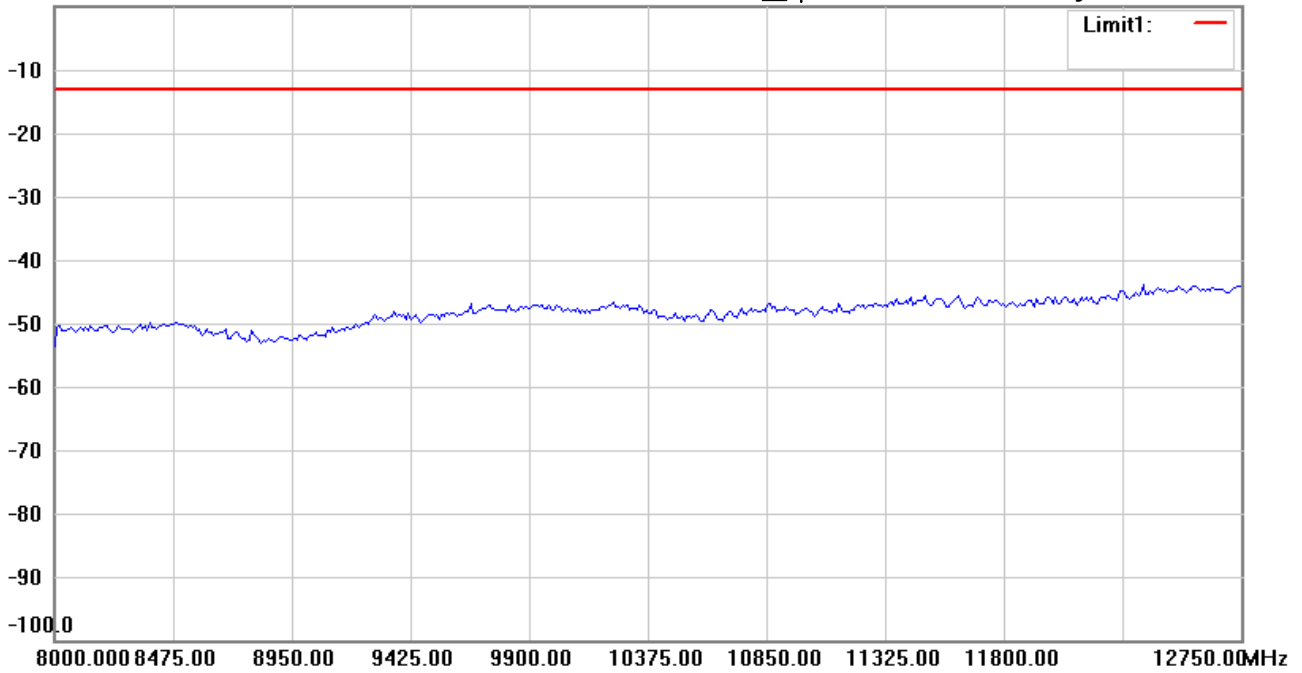
Date: 2021/12/12

Temperature:24 °C

0.0 dBm

Time: 上午 09:18:03

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

Polarization: **Vertical**

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : WCDMA-Band5-CH4233

Note :

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :1

Data :#1

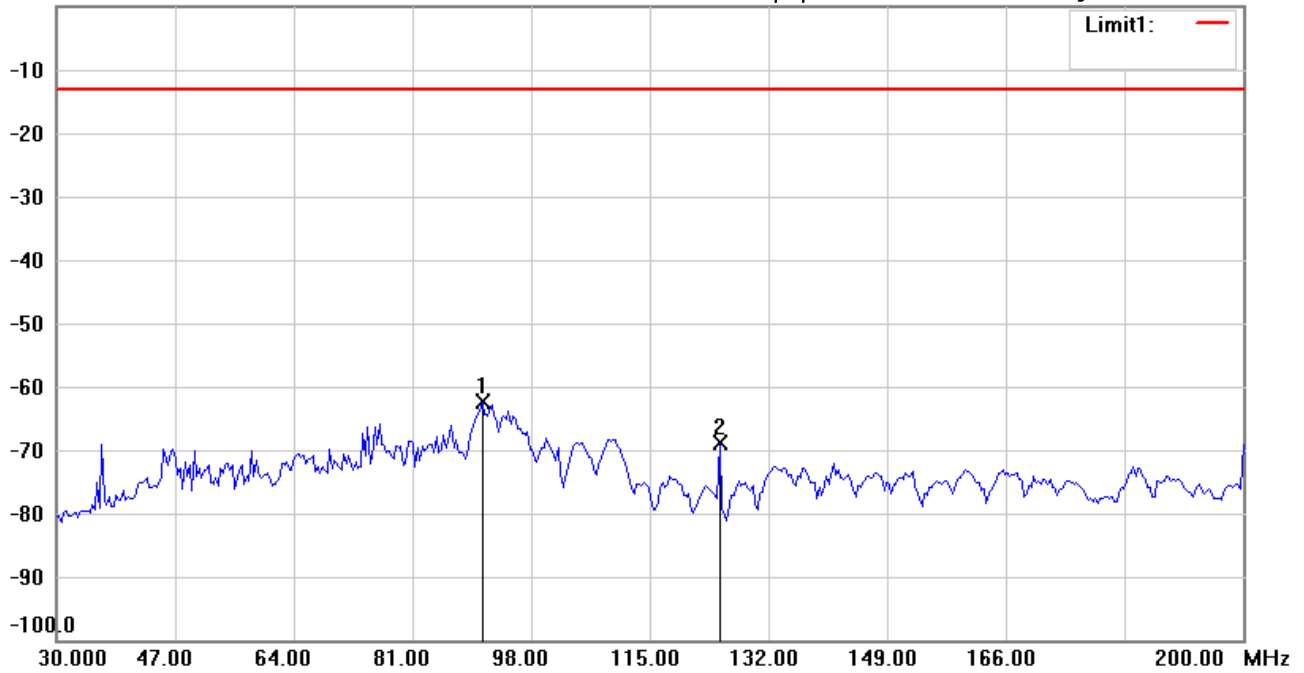
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 下午 01:29:08

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND2-QPSK-1.4M-1RB-CH18900

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	90.9820	-86.20	peak	23.88	-62.32	-13.00	150	205	-49.32	
	125.0501	-90.74	peak	21.90	-68.84	-13.00	150	165	-55.84	

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :1

Data :#2

Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 下午 01:31:07

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND2-QPSK-1.4M-1RB-CH18900

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	54.5291	-84.32	peak	22.78	-61.54	-13.00	150	125	-48.54	
*	110.7415	-84.68	peak	23.70	-60.98	-13.00	150	275	-47.98	

\*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sora

File :2

Data :#1

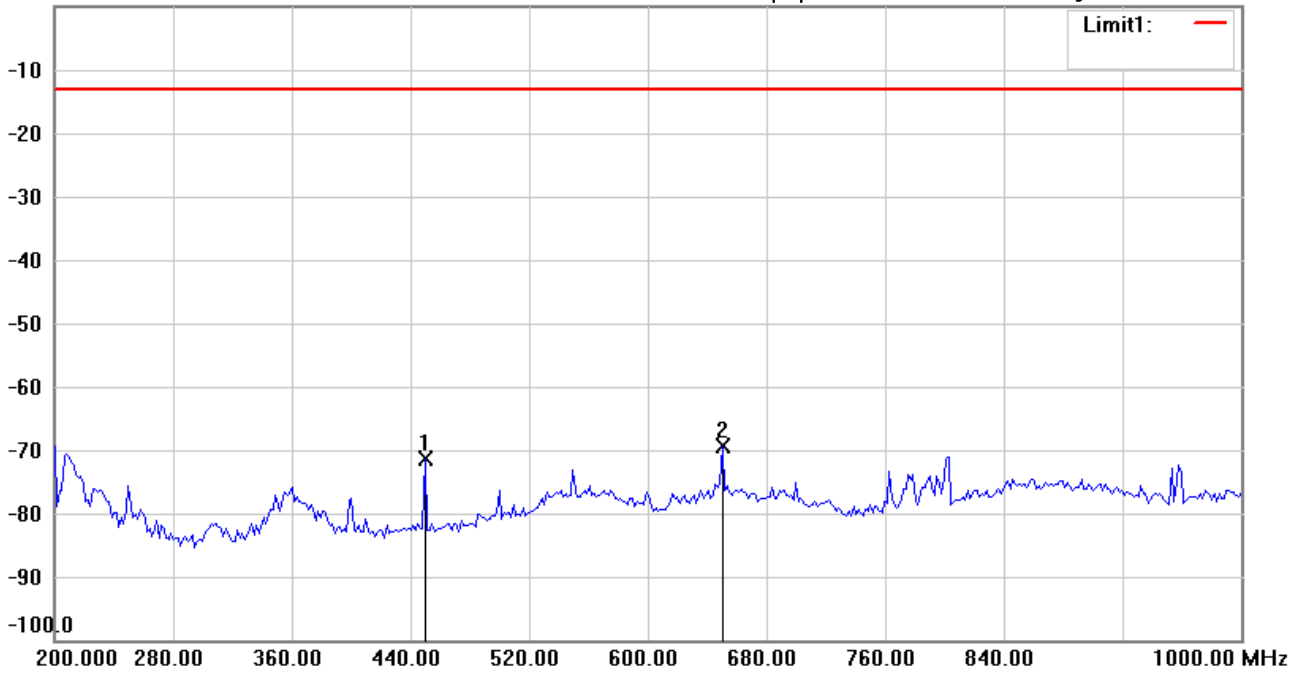
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 下午 02:35:12

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND2-QPSK-1.4M-1RB-CH18900

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	450.1002	-64.73	peak	-6.64	-71.37	-13.00	150	165	-58.37	
*	650.5010	-69.96	peak	0.71	-69.25	-13.00	150	110	-56.25	

\*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sora

File :2

Data :#2

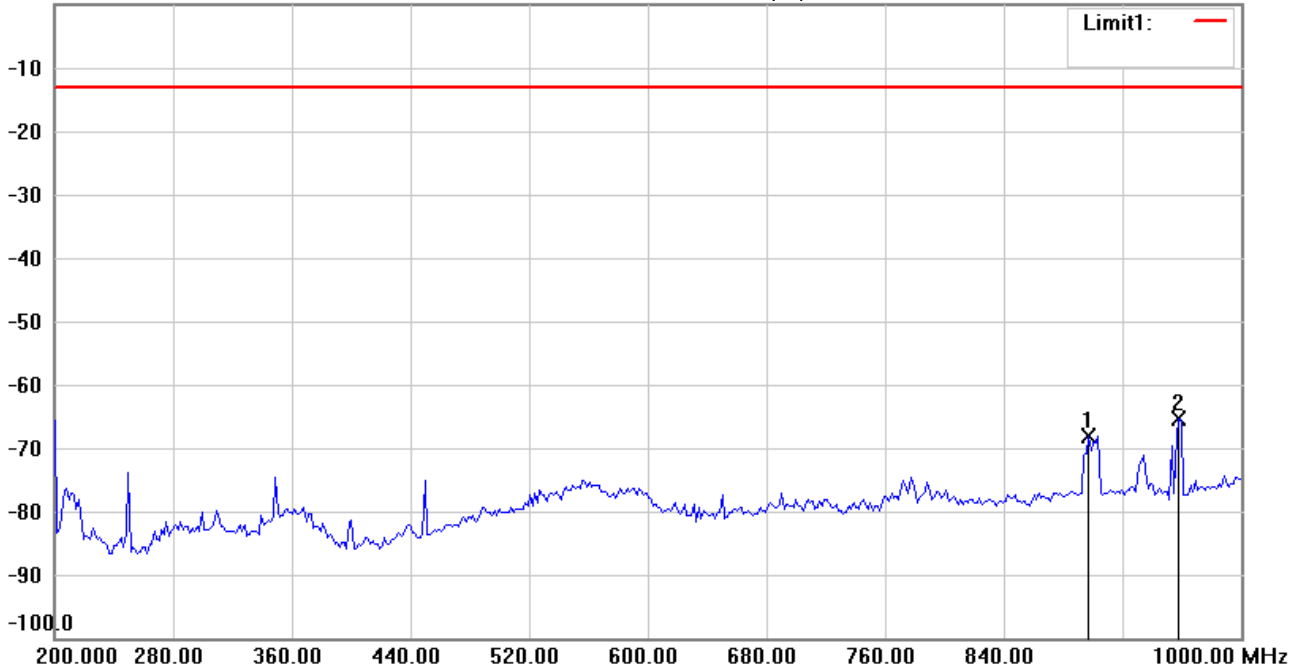
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 下午 02:40:02

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND2-QPSK-1.4M-1RB-CH18900

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	897.3948	-67.94	peak	-0.08	-68.02	-13.00	150	85	-55.02	
*	958.3165	-64.64	peak	-0.82	-65.46	-13.00	150	55	-52.46	

\*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#1

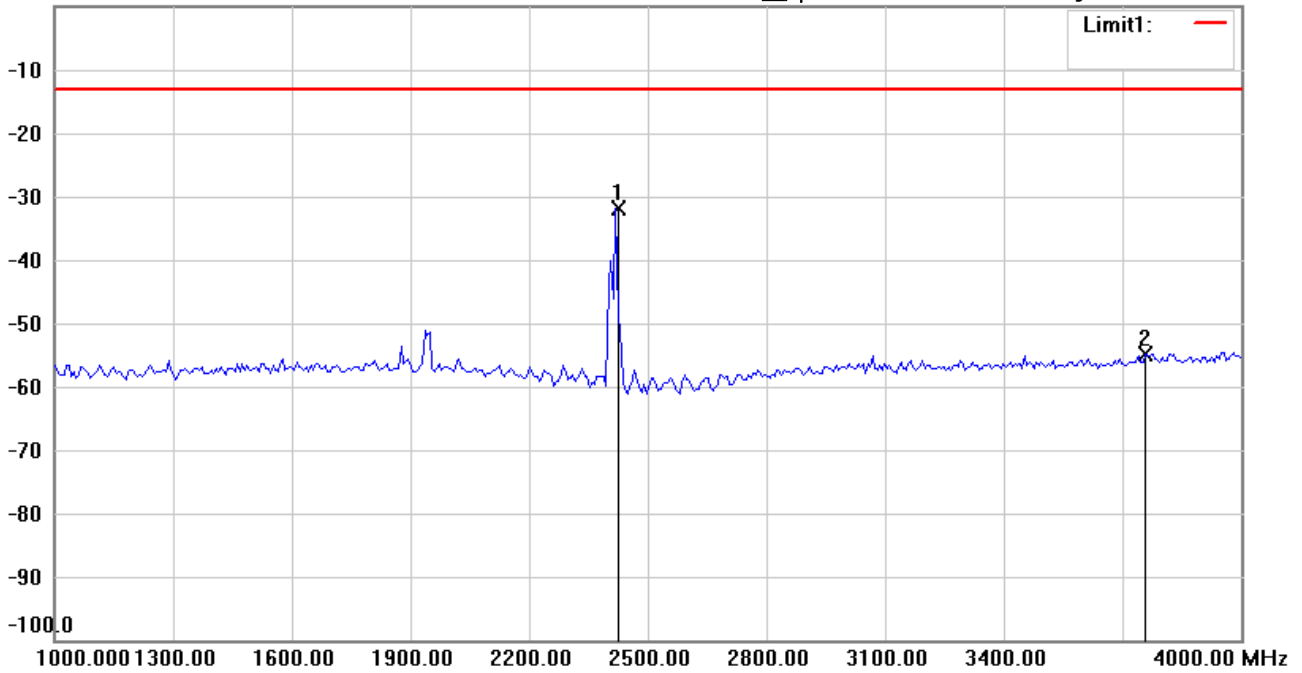
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 上午 09:47:39

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND2-QPSK-1.4M-1RB-CH18900

Note :

Polarization: **Horizontal**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	2418.838	-35.33	peak	3.57	-31.76	-13.00	150	125	-18.76	
	3759.519	-62.03	peak	7.21	-54.82	-13.00	150	145	-41.82	

\*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#6

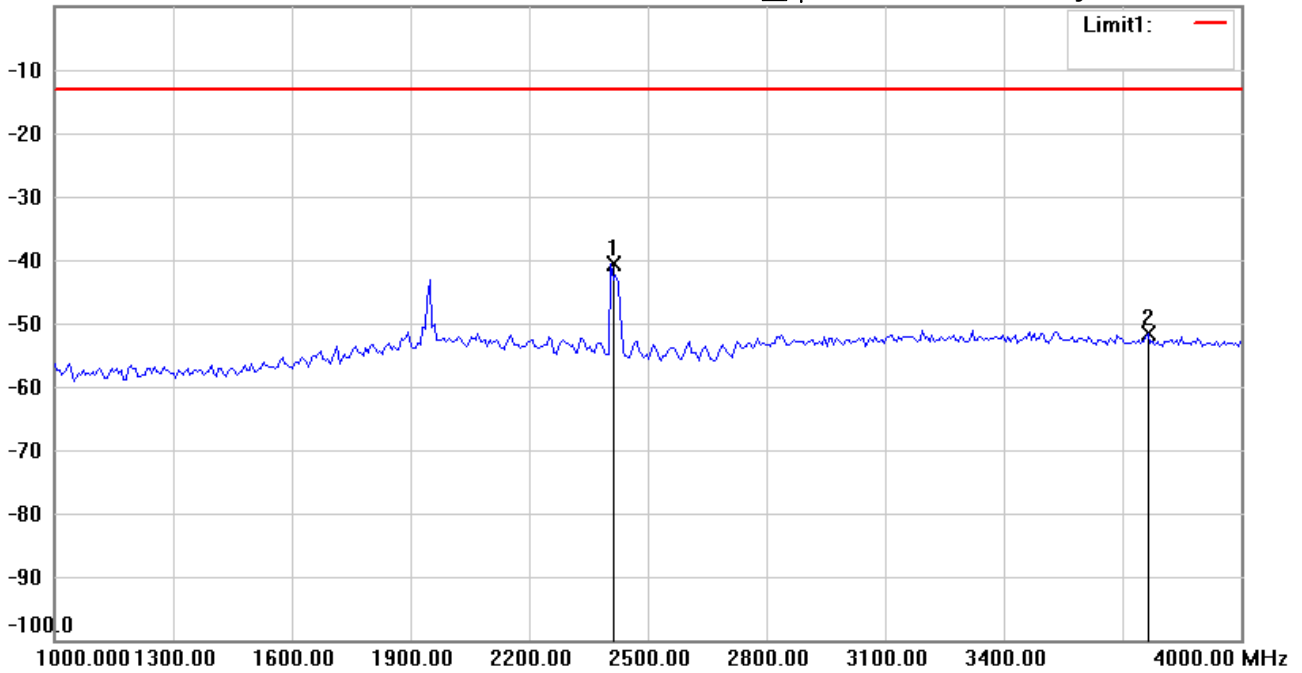
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 上午 09:52:58

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND2-QPSK-1.4M-1RB-CH18900

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	2406.814	-49.30	peak	8.71	-40.59	-13.00	150	310	-27.59	
	3765.531	-61.81	peak	10.12	-51.69	-13.00	150	255	-38.69	

\*:Maximum data    x:Over limit    !:over margin





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Radiated Emission Measurement

Operator: Sora

File :3

Data :#2

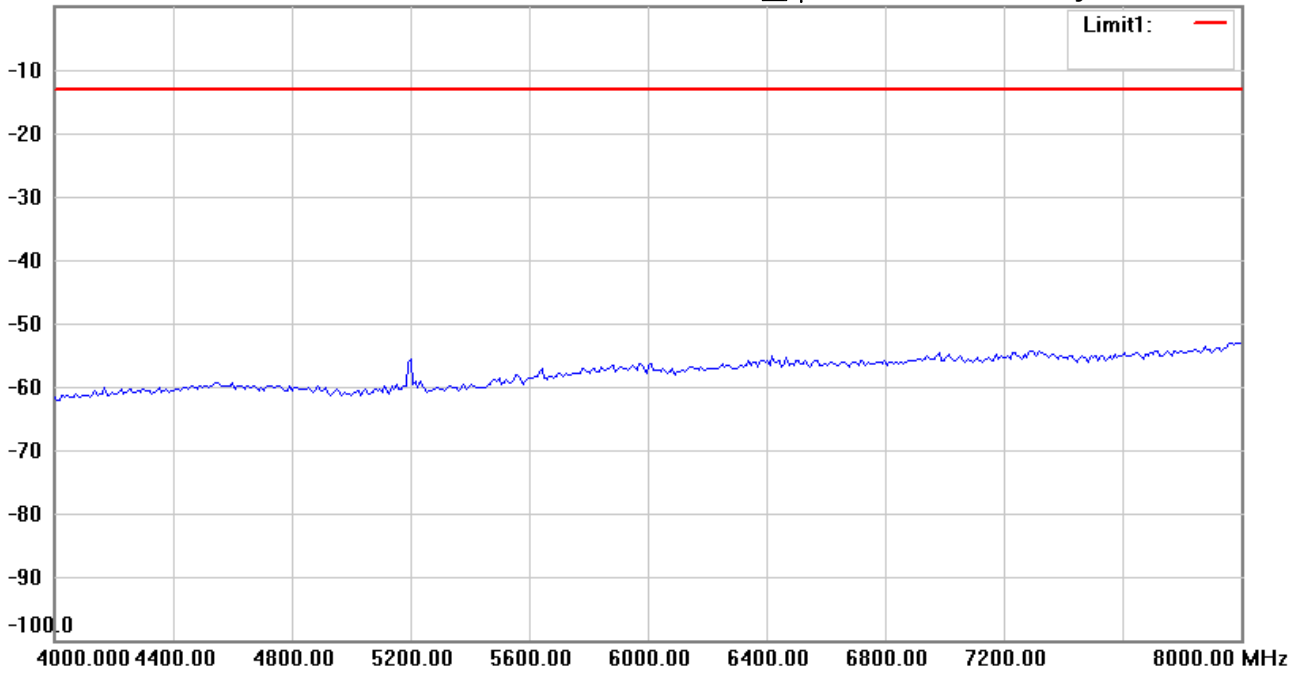
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 上午 09:48:30

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND2-QPSK-1.4M-1RB-CH18900

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#7

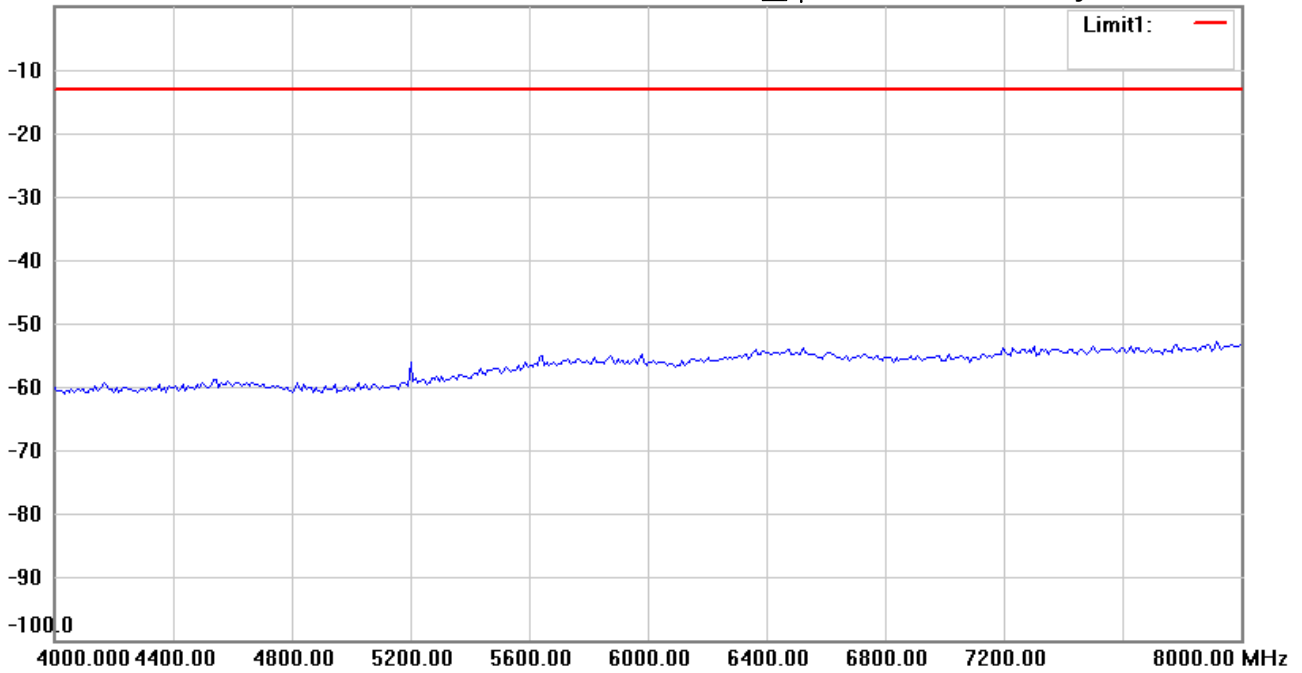
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 上午 09:53:38

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND2-QPSK-1.4M-1RB-CH18900

Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#3

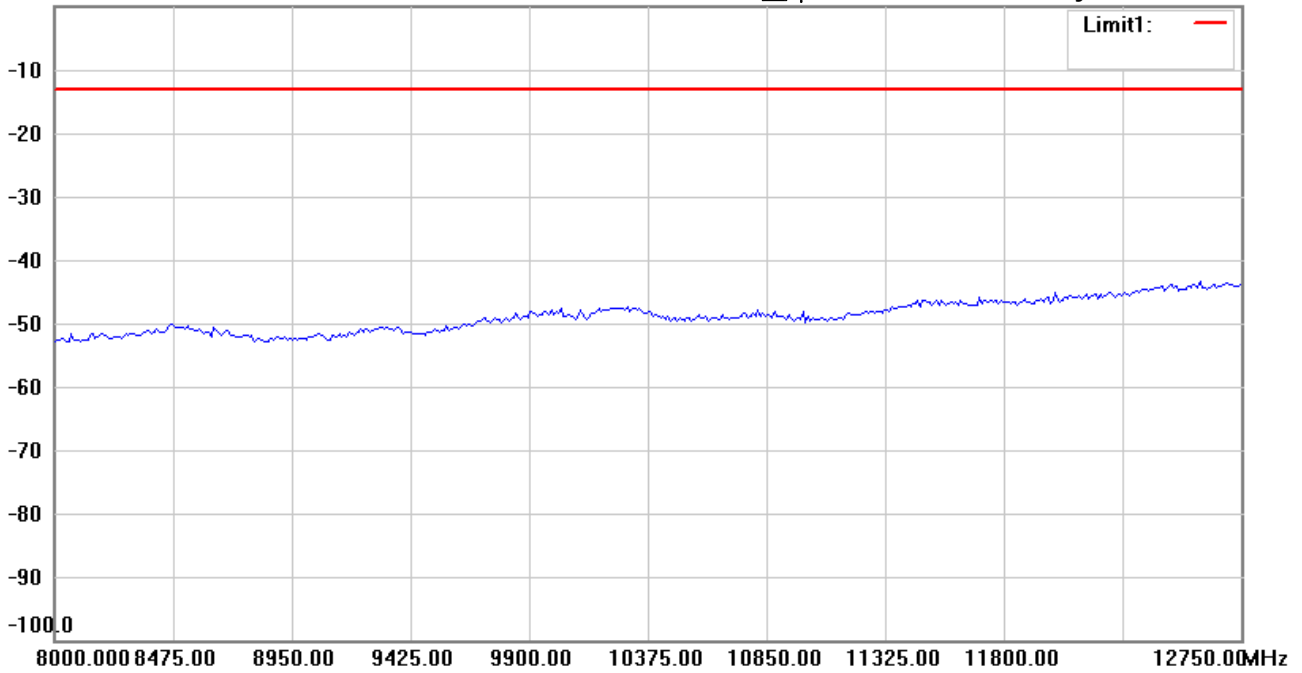
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 上午 09:49:22

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND2-QPSK-1.4M-1RB-CH18900

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	---------------	----------	-------------------	--------------	-------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#8

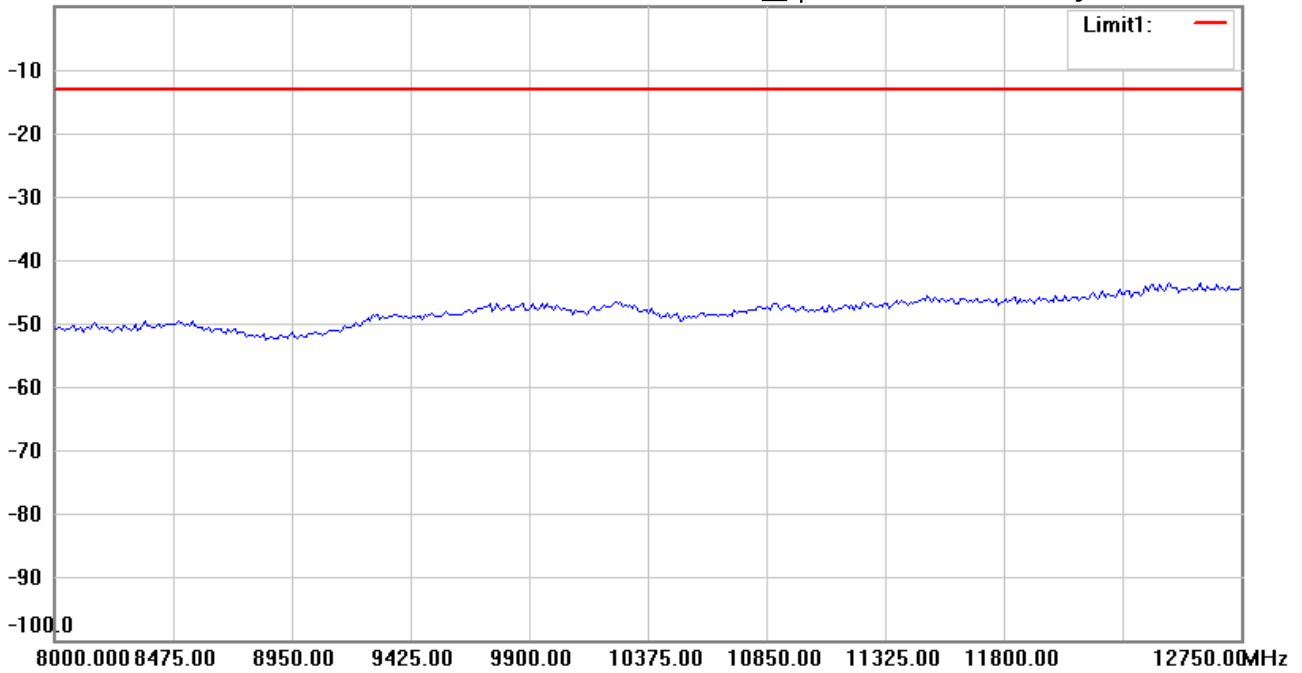
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 上午 09:54:34

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND2-QPSK-1.4M-1RB-CH18900

Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	---------------	----------	-------------------	--------------	-------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



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 Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Sora

File :3

Data :#4

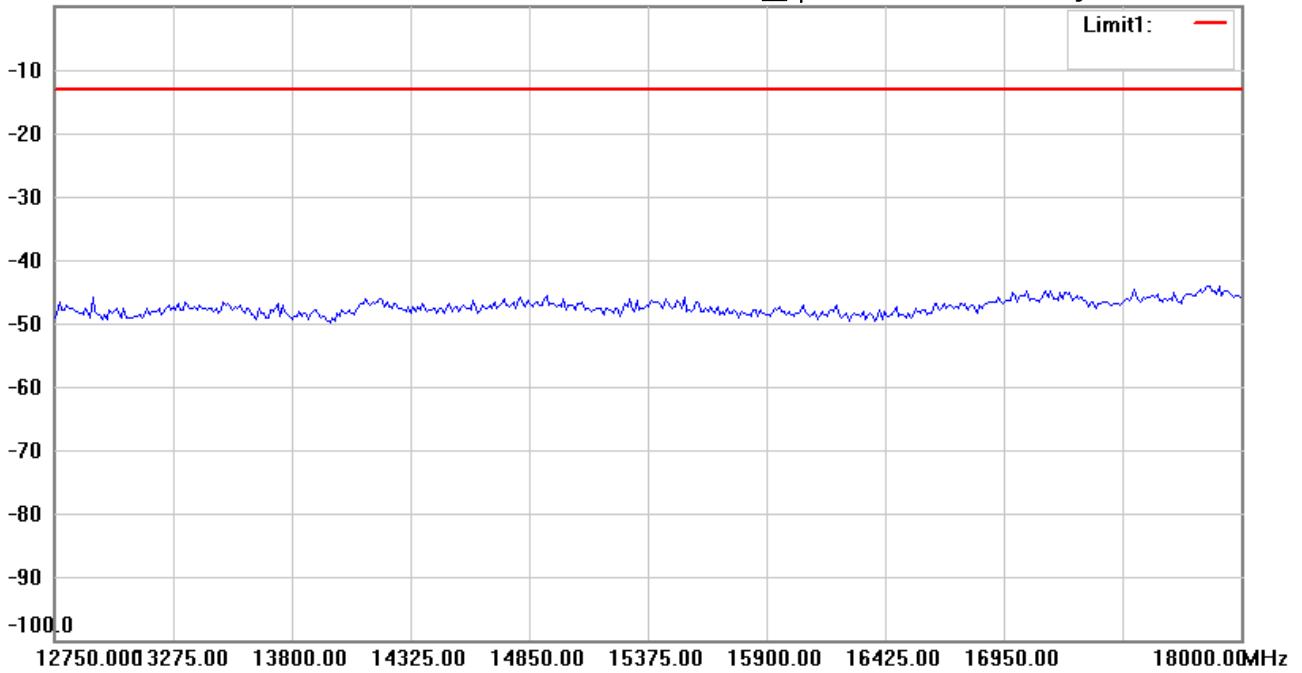
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 上午 09:49:34

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND2-QPSK-1.4M-1RB-CH18900

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	---------------	----------	-------------------	--------------	-------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#9

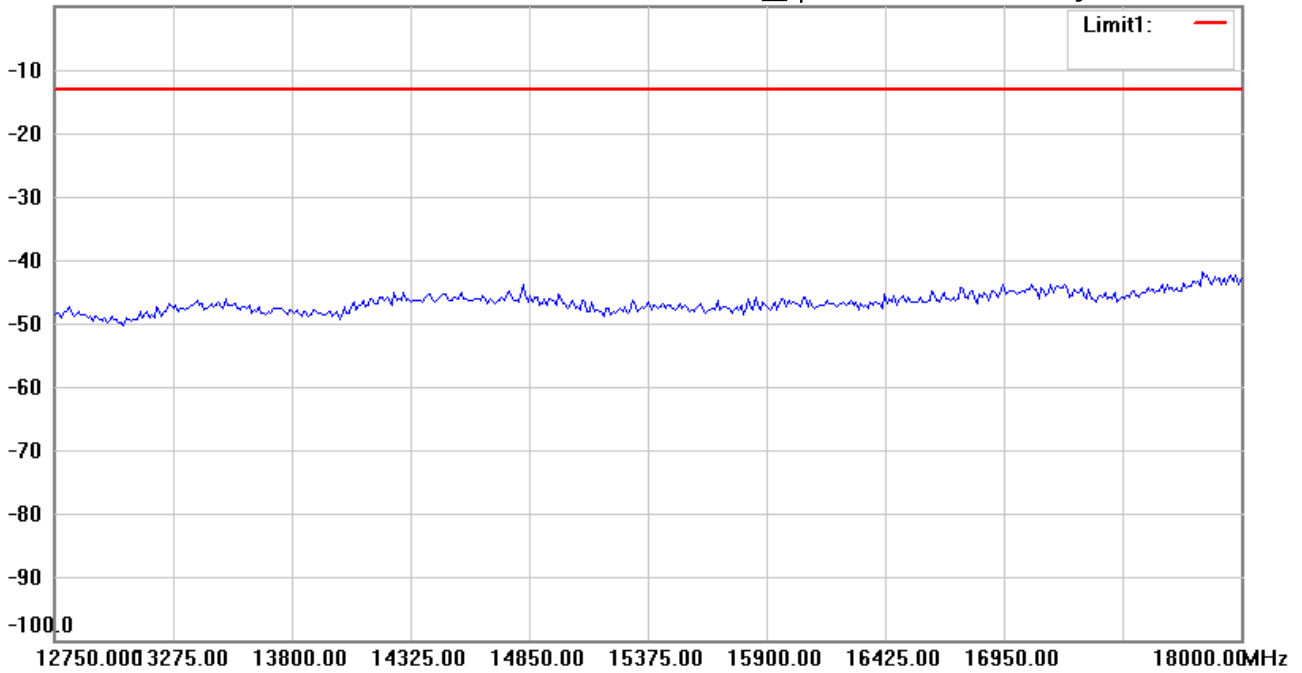
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 上午 09:54:46

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND2-QPSK-1.4M-1RB-CH18900

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
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Radiated Emission Measurement

Operator: Sora

File :3

Data :#5

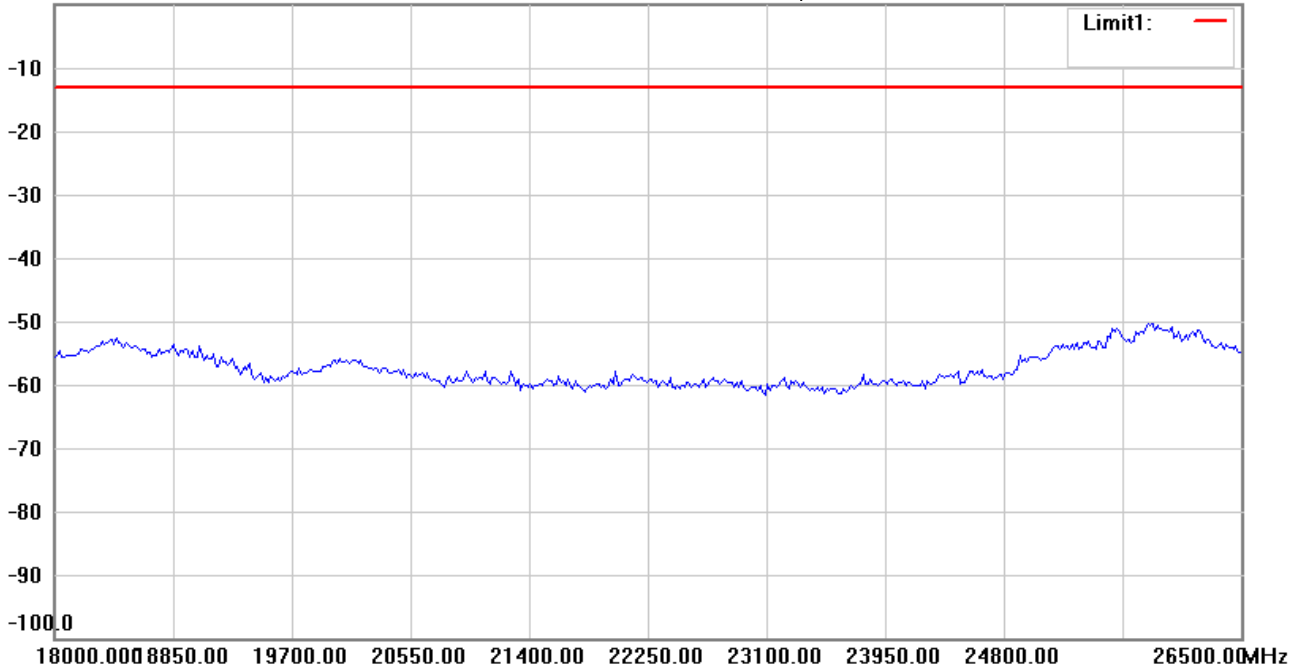
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 上午 09:49:46

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND2-QPSK-1.4M-1RB-CH18900

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
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**Radiated Emission Measurement**

Operator: Sora

File :3

Data :#10

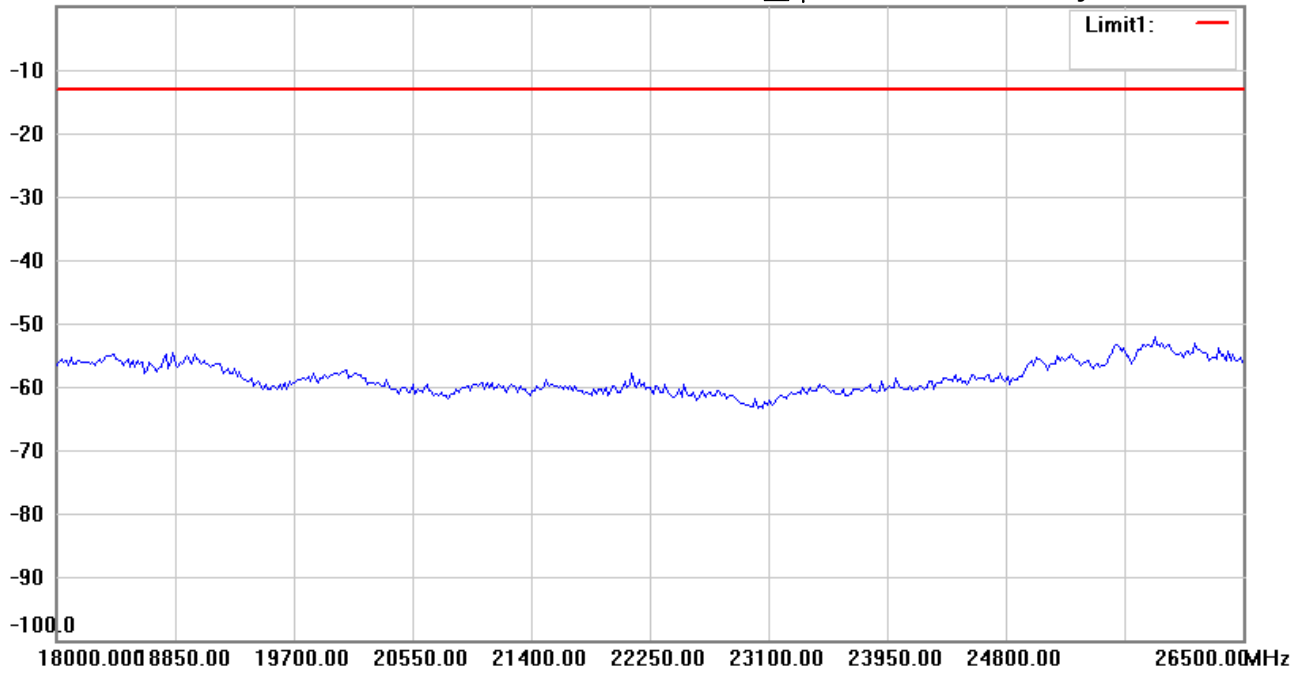
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 上午 09:54:58

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND2-QPSK-1.4M-1RB-CH18900

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	---------------	----------	-------------------	--------------	-------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin





Radiated Emission Measurement

Operator: Sora

File :1

Data :#1

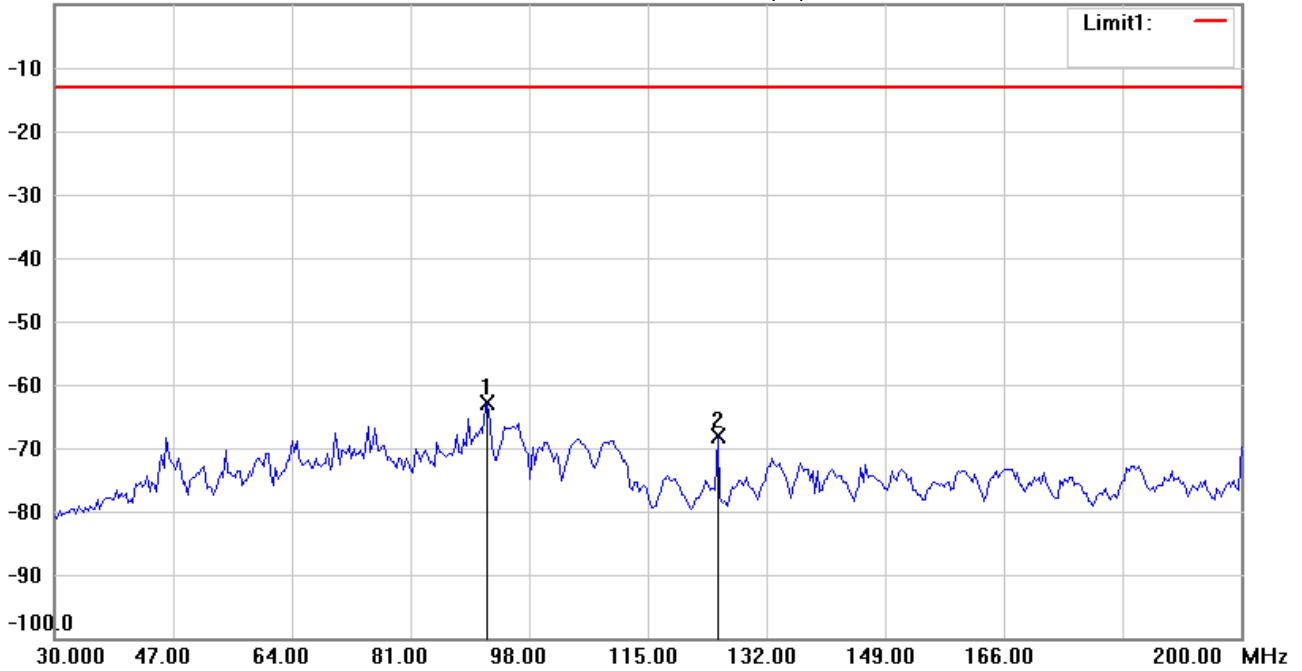
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 下午 01:27:57

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND2-QPSK-20M-1RB-CH18900

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	92.0040	-86.62	peak	23.75	-62.87	-13.00	150	150	-49.87	
	125.0501	-89.99	peak	21.90	-68.09	-13.00	150	180	-55.09	



Radiated Emission Measurement

Operator: Sora

File :1

Data :#2

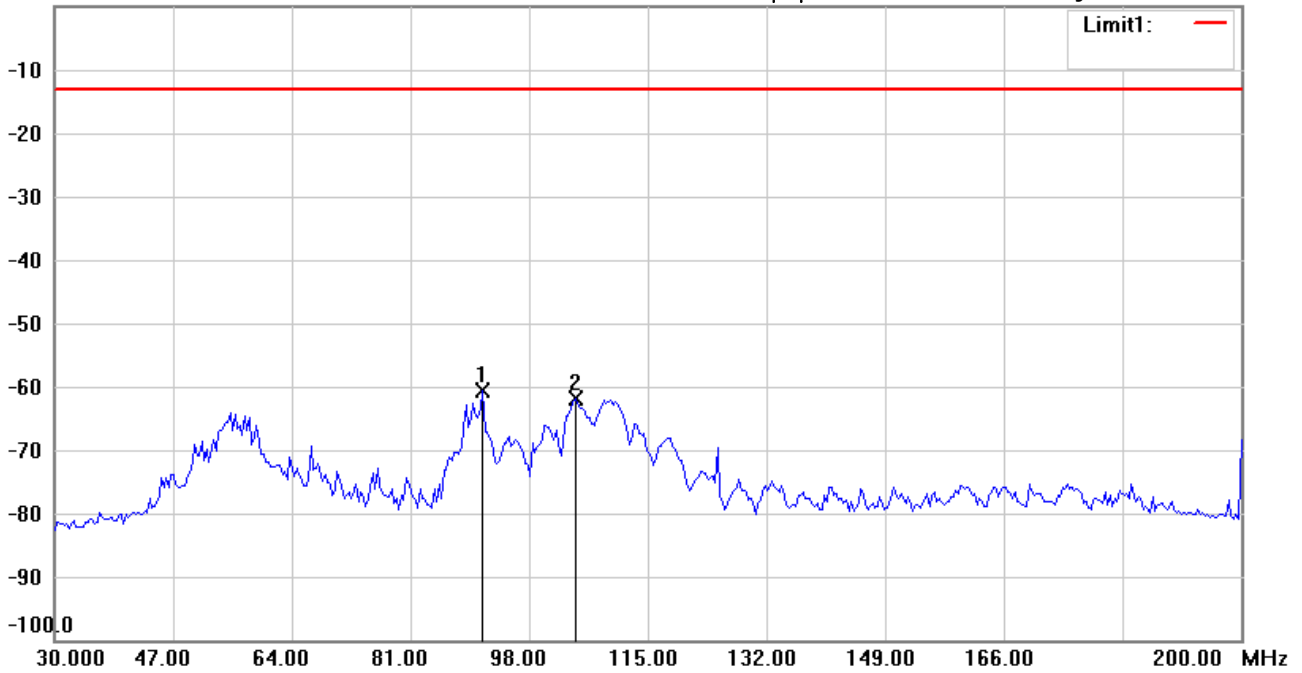
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 下午 01:32:17

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND2-QPSK-20M-1RB-CH18900

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	91.3226	-83.58	peak	22.96	-60.62	-13.00	150	220	-47.62	
	104.6092	-86.00	peak	24.16	-61.84	-13.00	150	255	-48.84	



Radiated Emission Measurement

Operator: Sora

File :2

Data :#1

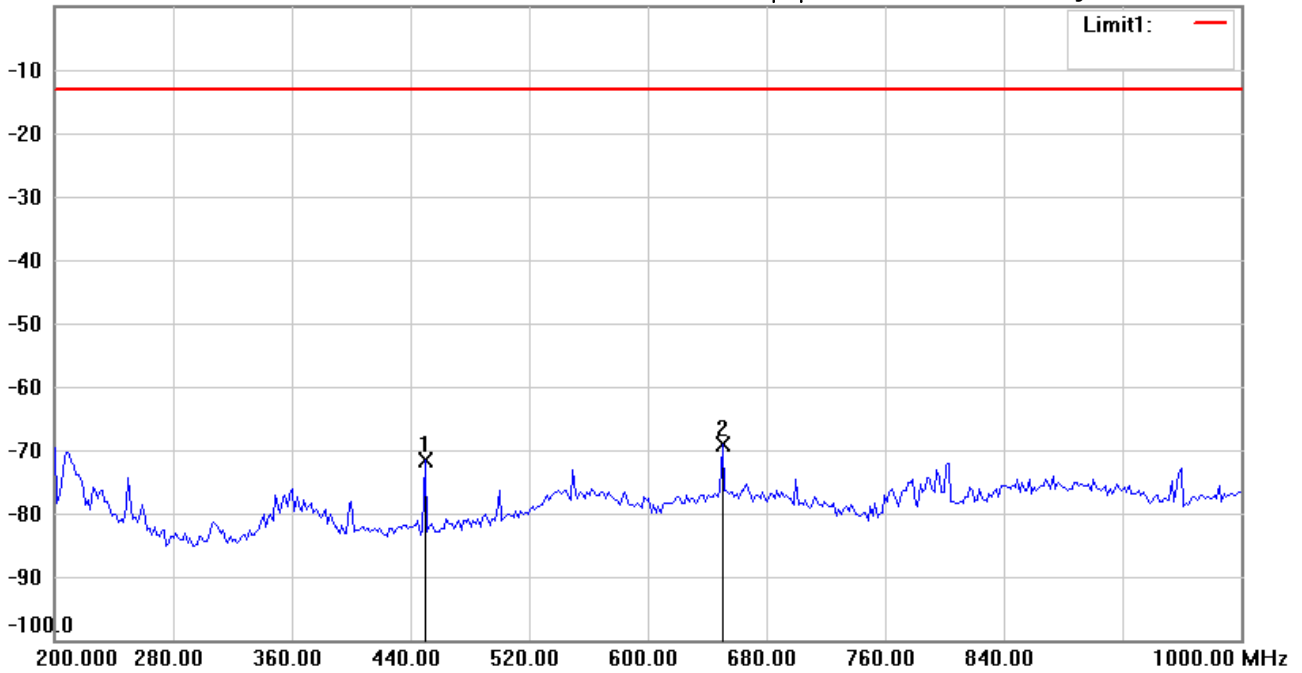
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 下午 02:36:12

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND2-QPSK-20M-1RB-CH18900

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	450.1002	-65.09	peak	-6.64	-71.73	-13.00	150	125	-58.73	
*	650.5010	-69.87	peak	0.71	-69.16	-13.00	150	180	-56.16	



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Radiated Emission Measurement

Operator: Sora

File :2

Data :#2

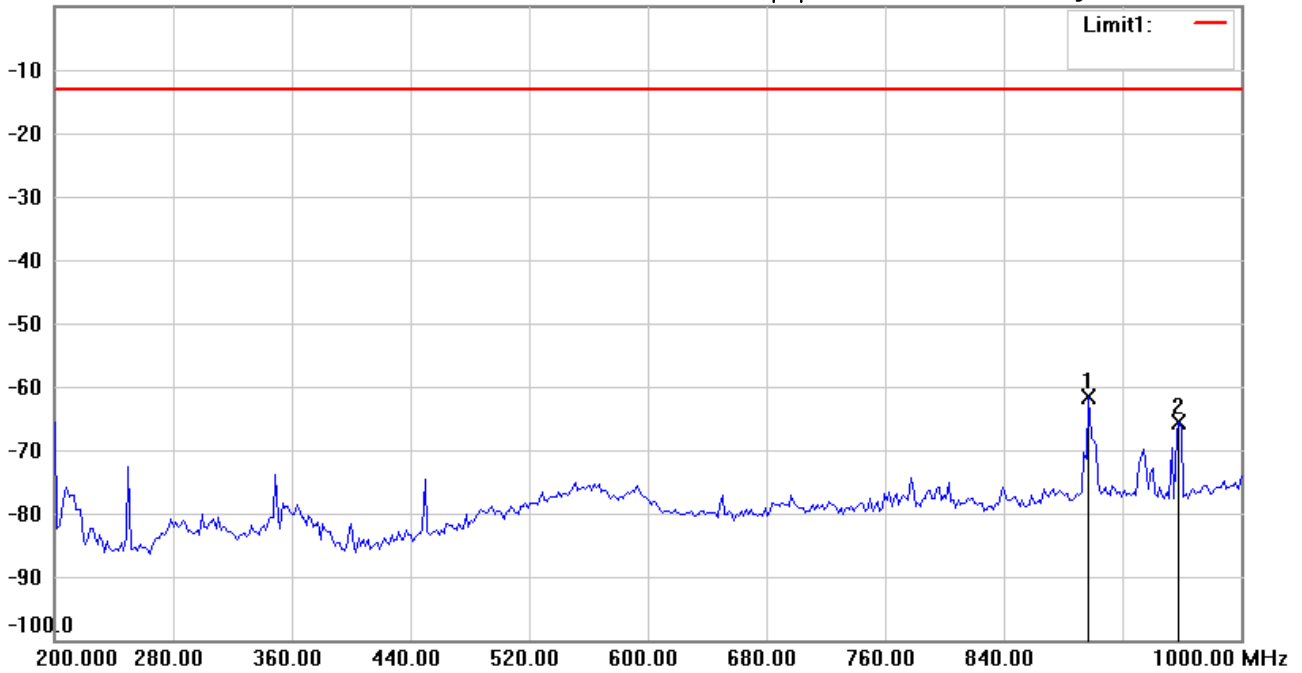
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 下午 02:38:49

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND2-QPSK-20M-1RB-CH18900

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	897.3948	-61.57	peak	-0.08	-61.65	-13.00	150	280	-48.65	
	958.3166	-64.92	peak	-0.82	-65.74	-13.00	150	65	-52.74	

\*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#1

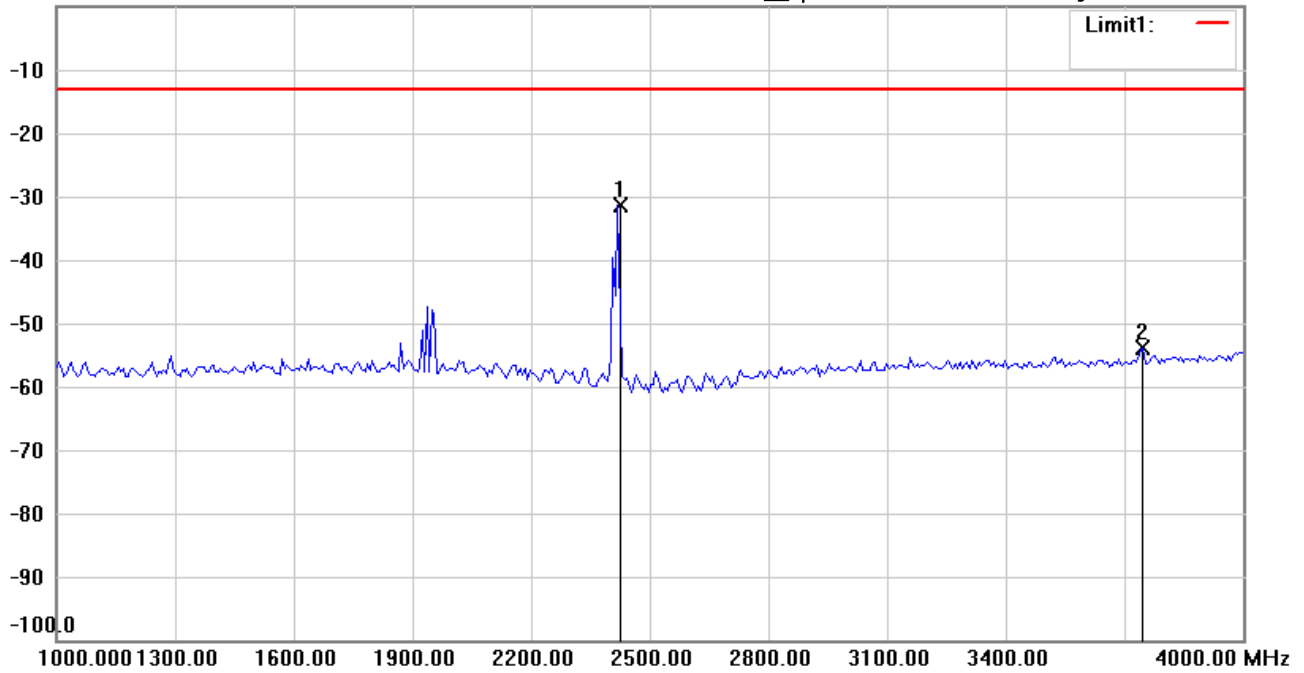
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 上午 10:01:56

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND2-QPSK-20M-1RB-CH18900

Note :

Polarization: **Horizontal**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	2418.838	-34.85	peak	3.57	-31.28	-13.00	150	175	-18.28	
	3747.495	-61.07	peak	7.16	-53.91	-13.00	150	120	-40.91	

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#6

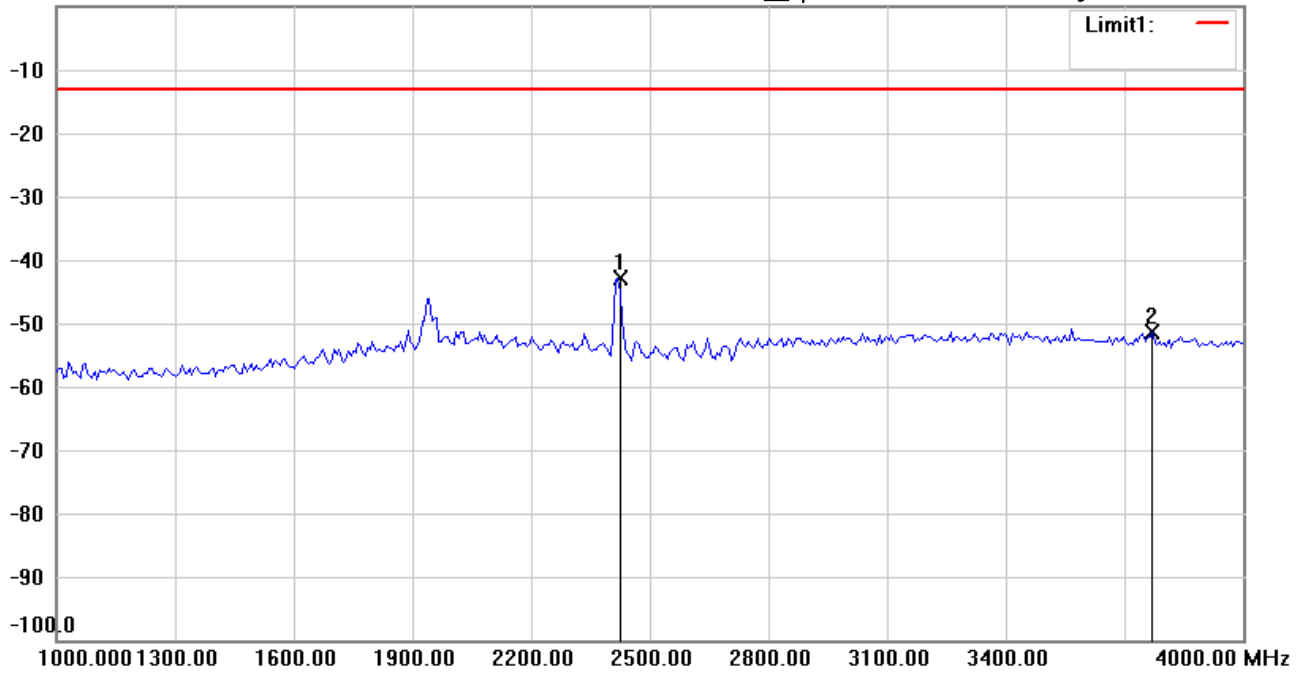
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 上午 10:12:35

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND2-QPSK-20M-1RB-CH18900

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	2418.838	-51.61	peak	8.66	-42.95	-13.00	150	315	-29.95	
	3771.543	-61.50	peak	10.11	-51.39	-13.00	150	285	-38.39	

\*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#2

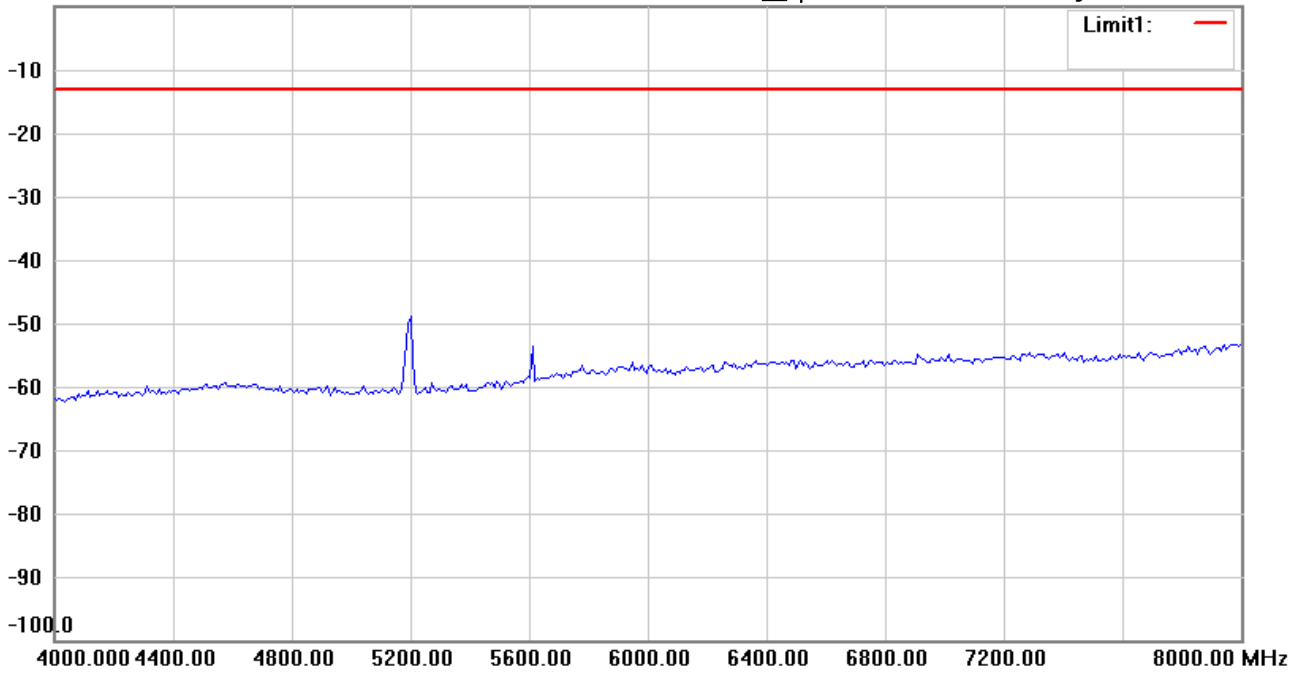
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 上午 10:02:48

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND2-QPSK-20M-1RB-CH18900

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#7

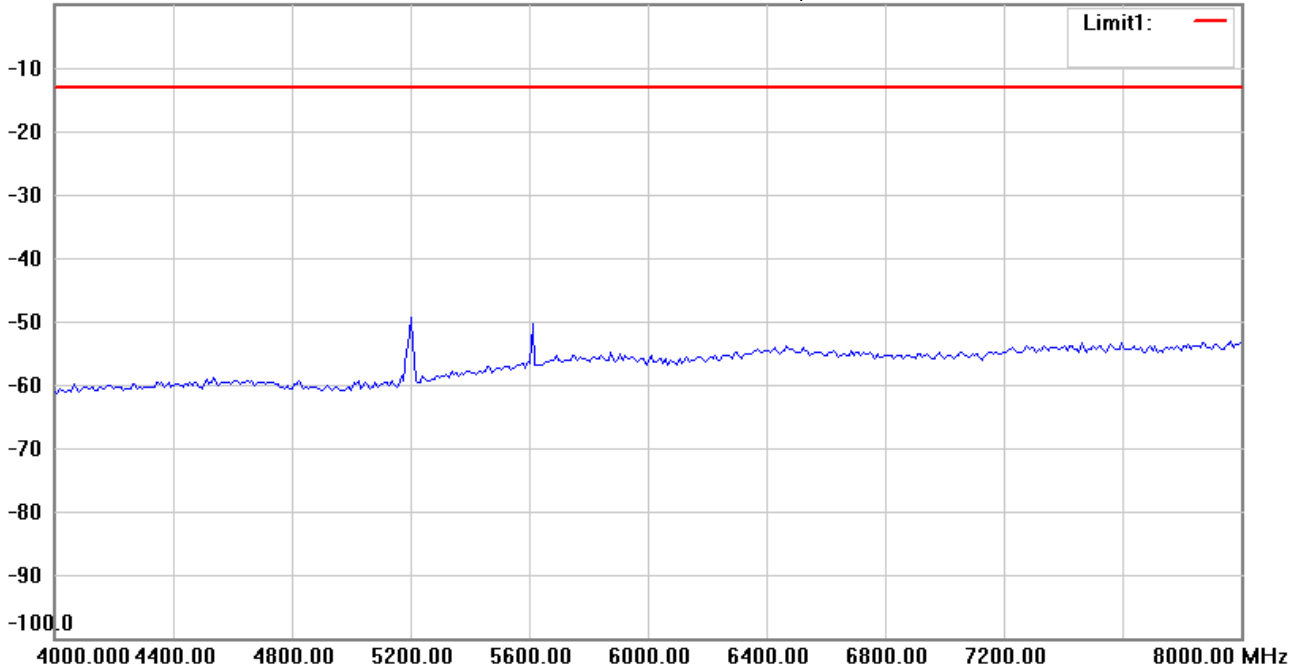
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 上午 10:13:16

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND2-QPSK-20M-1RB-CH18900

Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin





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Radiated Emission Measurement

Operator: Sora

File :3

Data :#3

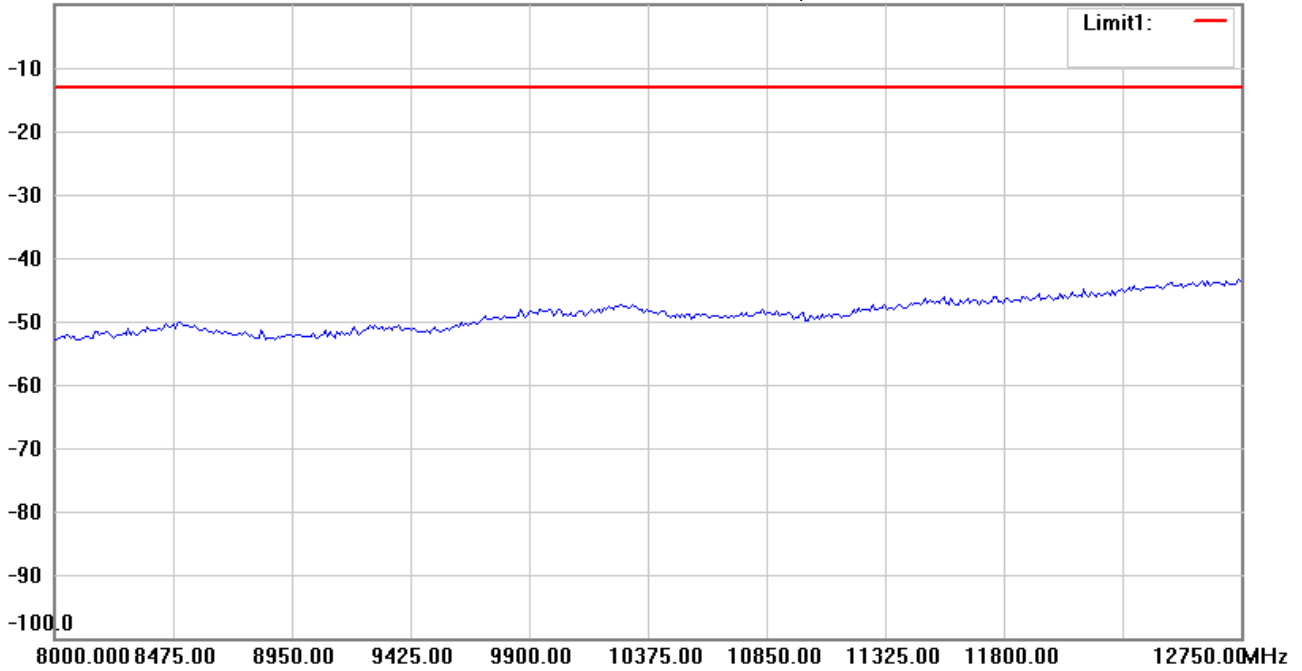
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 上午 10:03:44

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND2-QPSK-20M-1RB-CH18900

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	---------------	----------	-------------------	--------------	-------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
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Radiated Emission Measurement

Operator: Sora

File :3

Data :#8

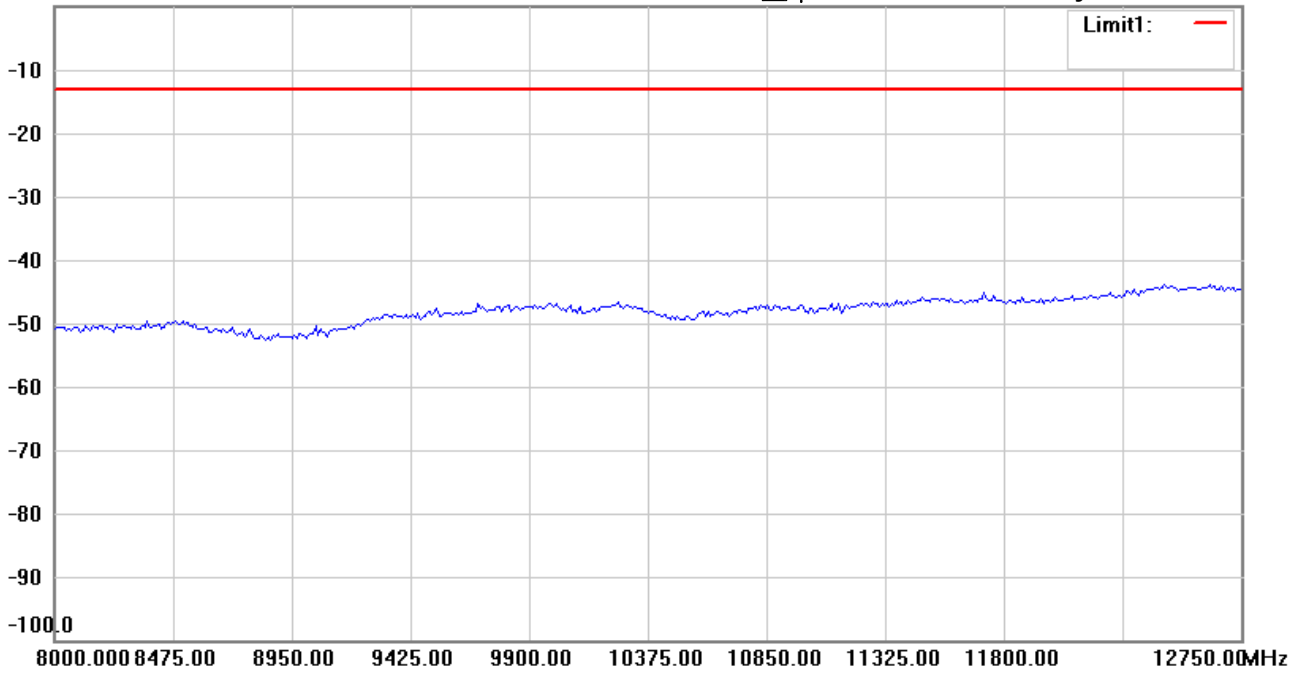
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 上午 10:14:55

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND2-QPSK-20M-1RB-CH18900

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	---------------	----------	-------------------	--------------	-------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#4

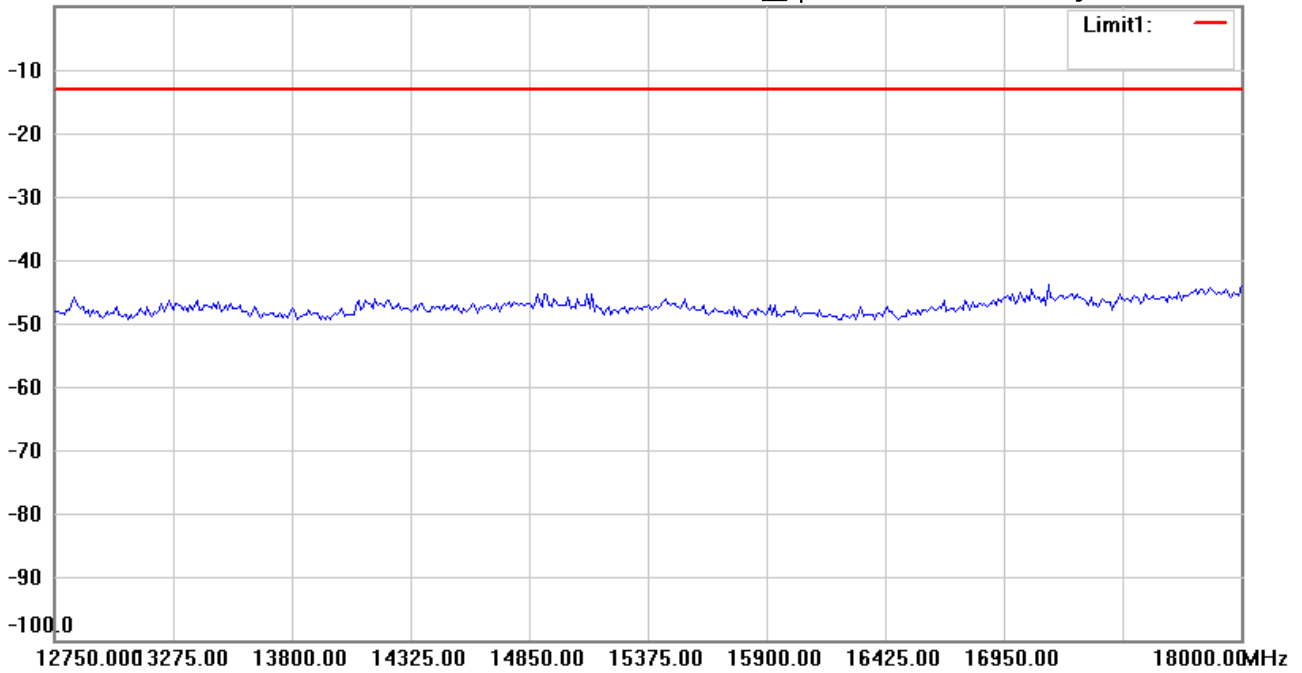
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 上午 10:03:56

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND2-QPSK-20M-1RB-CH18900

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	---------------	----------	-------------------	--------------	-------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#9

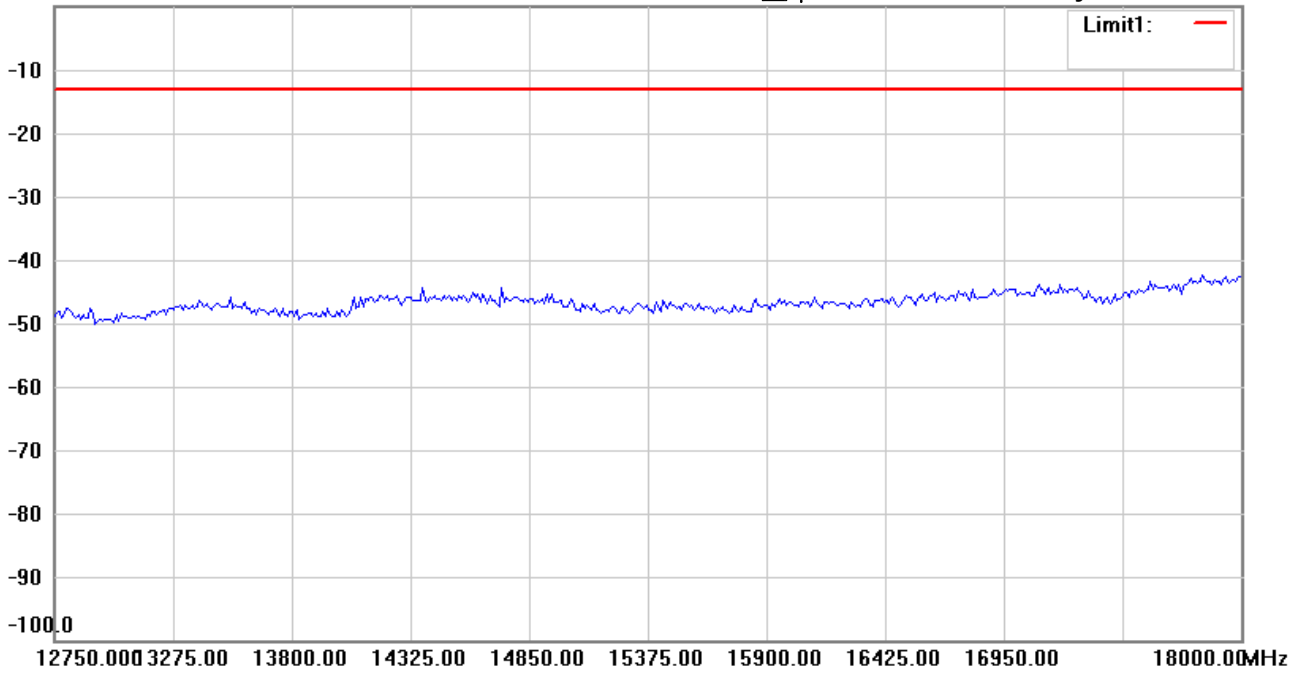
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 上午 10:15:07

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

Polarization: *Vertical*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : BAND2-QPSK-20M-1RB-CH18900

Note :

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	---------------	----------	-------------------	--------------	-------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
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Radiated Emission Measurement

Operator: Sora

File :3

Data :#5

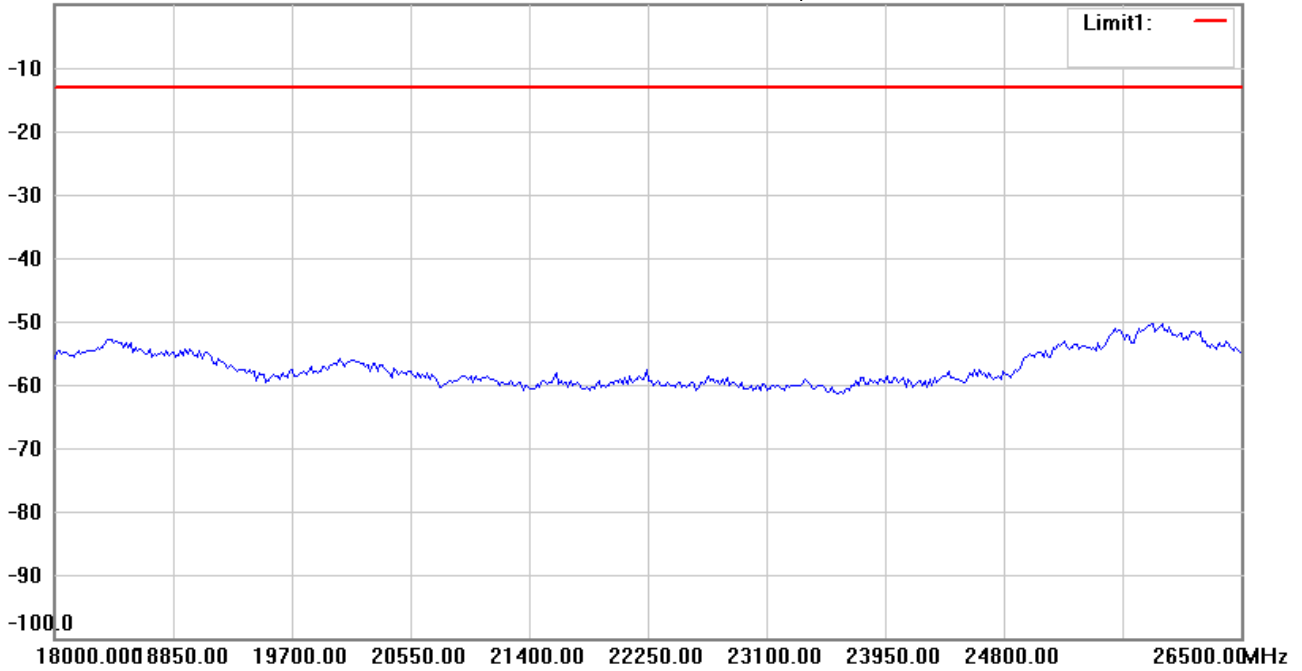
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 上午 10:04:08

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND2-QPSK-20M-1RB-CH18900

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	---------------	----------	-------------------	--------------	-------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
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Radiated Emission Measurement

Operator: Sora

File :3

Data :#10

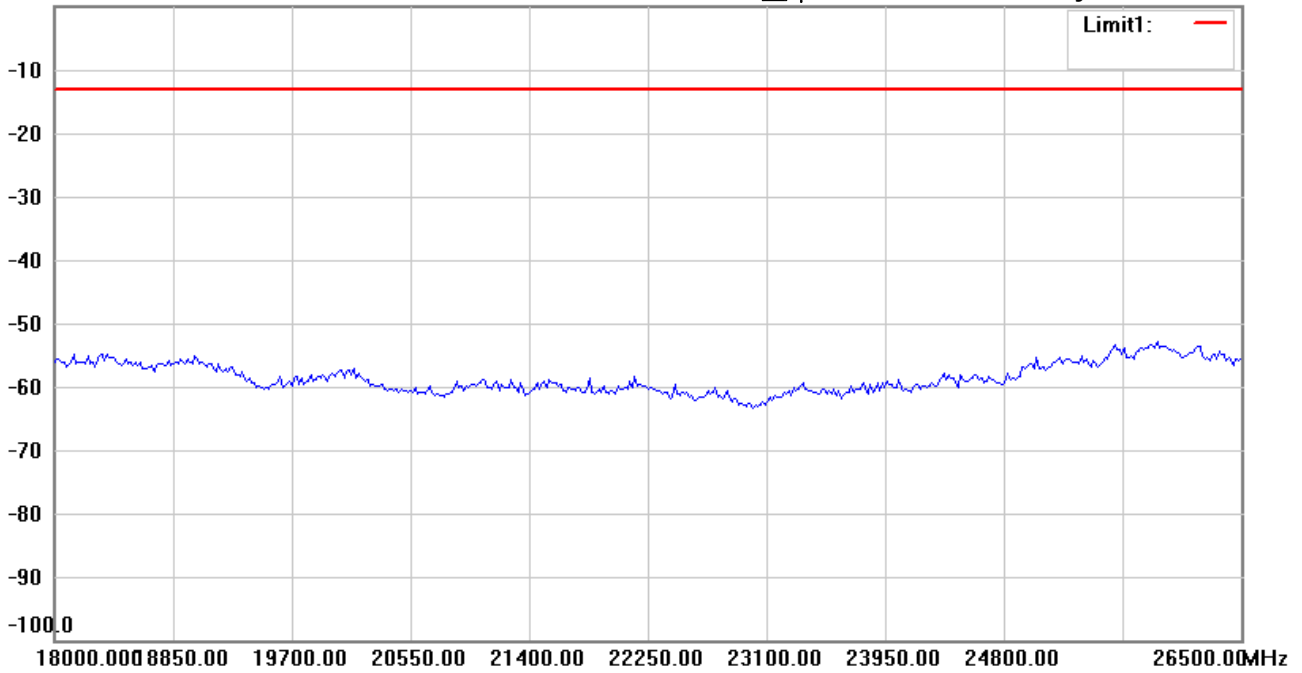
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 上午 10:15:19

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND2-QPSK-20M-1RB-CH18900

Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	---------------	----------	-------------------	--------------	-------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
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Radiated Emission Measurement

Operator: Sora

File :1

Data :#1

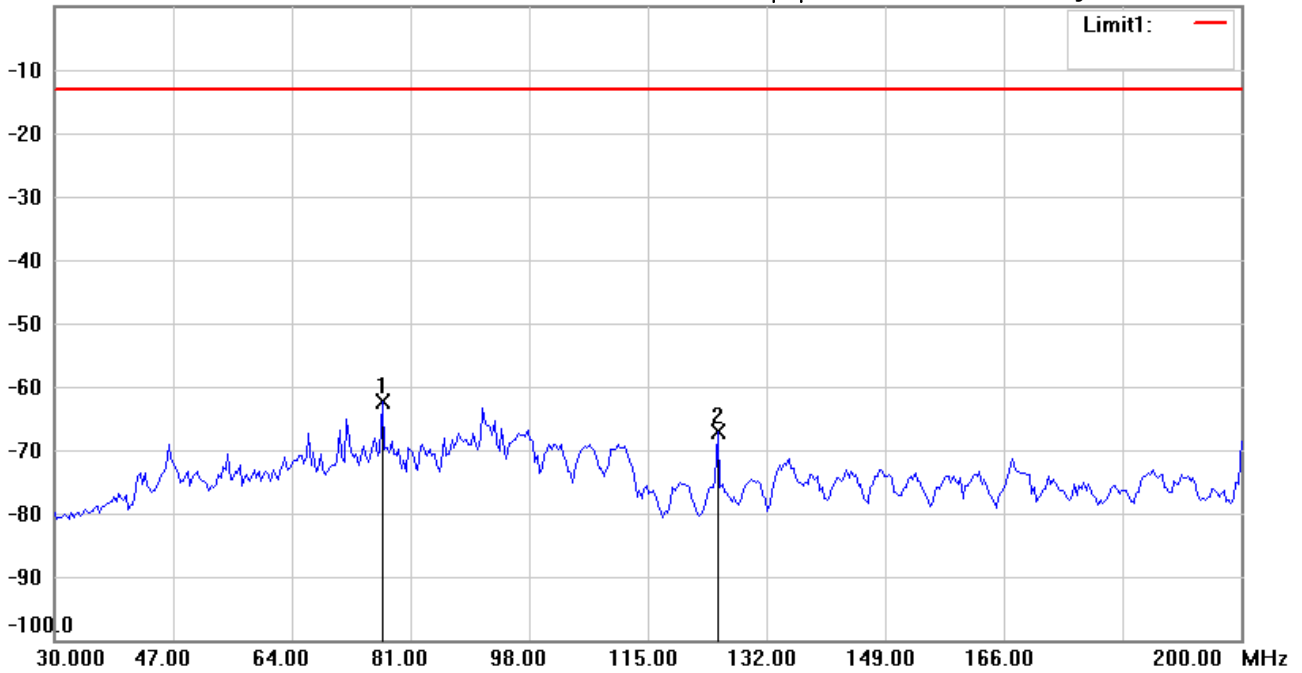
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 下午 01:25:12

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND4-QPSK-1.4M-1RB-CH20175

Note :

Polarization: **Horizontal**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	77.0140	-86.18	peak	23.69	-62.49	-13.00	150	105	-49.49	
	125.0501	-89.04	peak	21.90	-67.14	-13.00	150	185	-54.14	

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :1

Data :#2

Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 下午 01:33:52

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND4-QPSK-1.4M-1RB-CH20175

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	54.8697	-86.83	peak	22.77	-64.06	-13.00	150	280	-51.06	
*	111.0822	-85.84	peak	23.67	-62.17	-13.00	150	235	-49.17	

\*:Maximum data x:Over limit !:over margin





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Radiated Emission Measurement

Operator: Sora

File :2

Data :#1

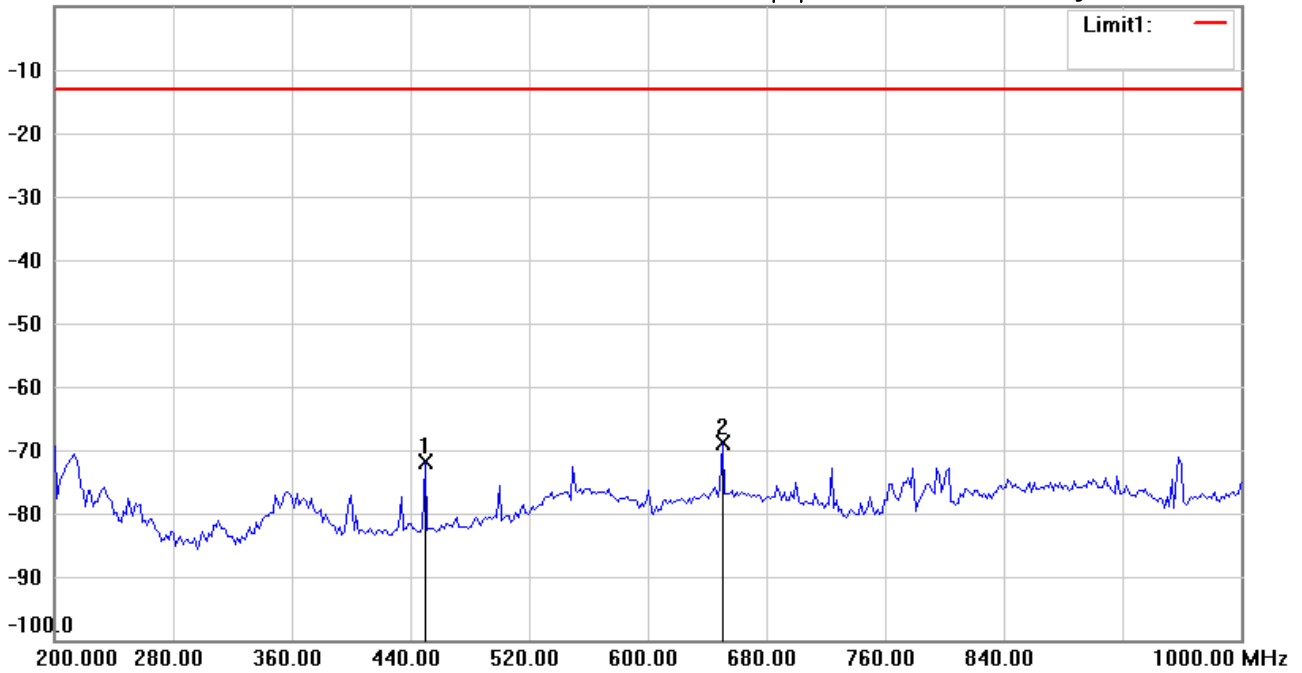
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 下午 02:26:45

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND4-QPSK-1.4M-1RB-CH20175

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	450.1002	-65.18	peak	-6.64	-71.82	-13.00	150	115	-58.82	
*	650.5010	-69.46	peak	0.71	-68.75	-13.00	150	215	-55.75	

\*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sora

File :2

Data :#2

Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 下午 02:41:30

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND4-QPSK-1.4M-1RB-CH20175

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	894.1884	-62.65	peak	-0.17	-62.82	-13.00	150	245	-49.82	
	958.3166	-65.69	peak	-0.82	-66.51	-13.00	150	305	-53.51	

\*:Maximum data x:Over limit !:over margin



Radiated Emission Measurement

Operator: Sora

File :3

Data :#1

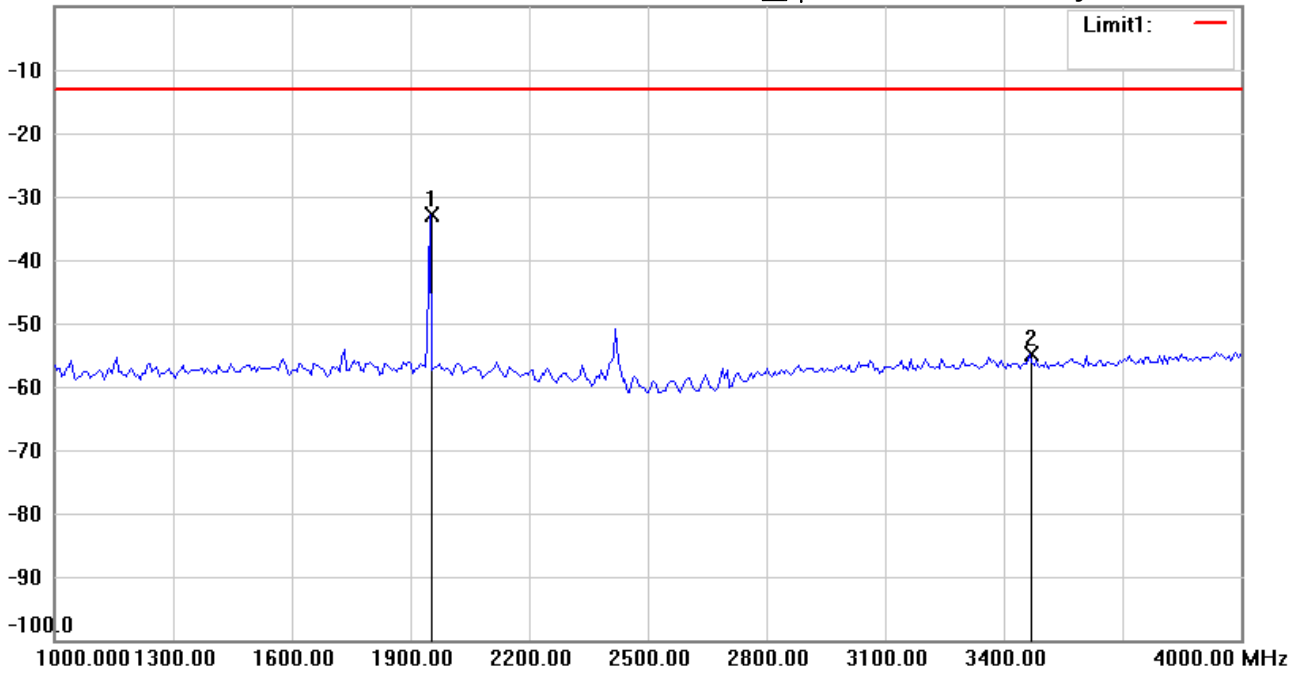
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 上午 10:55:35

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND4-QPSK-1.4M-1RB-CH20175

Note :

Polarization: **Horizontal**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	1949.900	-38.80	peak	5.94	-32.86	-13.00	150	150	-19.86	
	3464.930	-61.02	peak	6.14	-54.88	-13.00	150	245	-41.88	



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
 Tel:+886-2-6606-8877  
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Radiated Emission Measurement

Operator: Sora

File :3

Data :#6

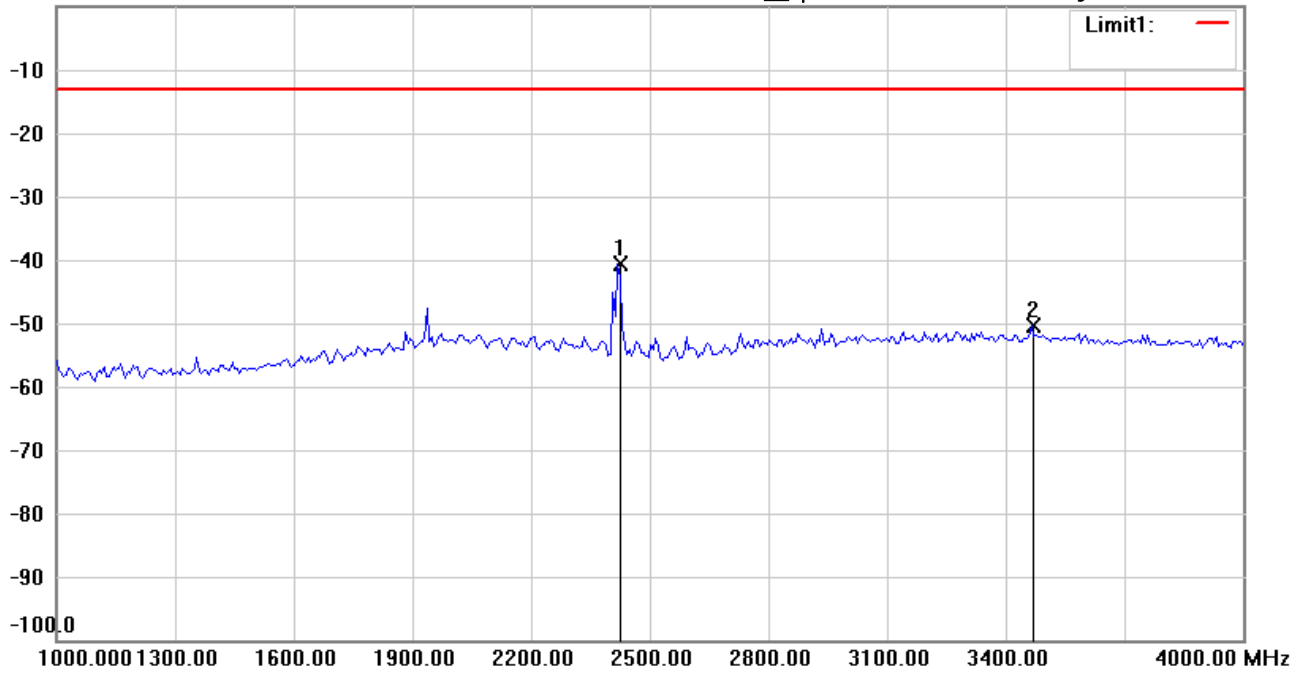
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 上午 11:00:29

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND4-QPSK-1.4M-1RB-CH20175

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	2418.838	-49.20	peak	8.66	-40.54	-13.00	150	65	-27.54	
	3464.930	-60.63	peak	10.38	-50.25	-13.00	150	235	-37.25	

\*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#2

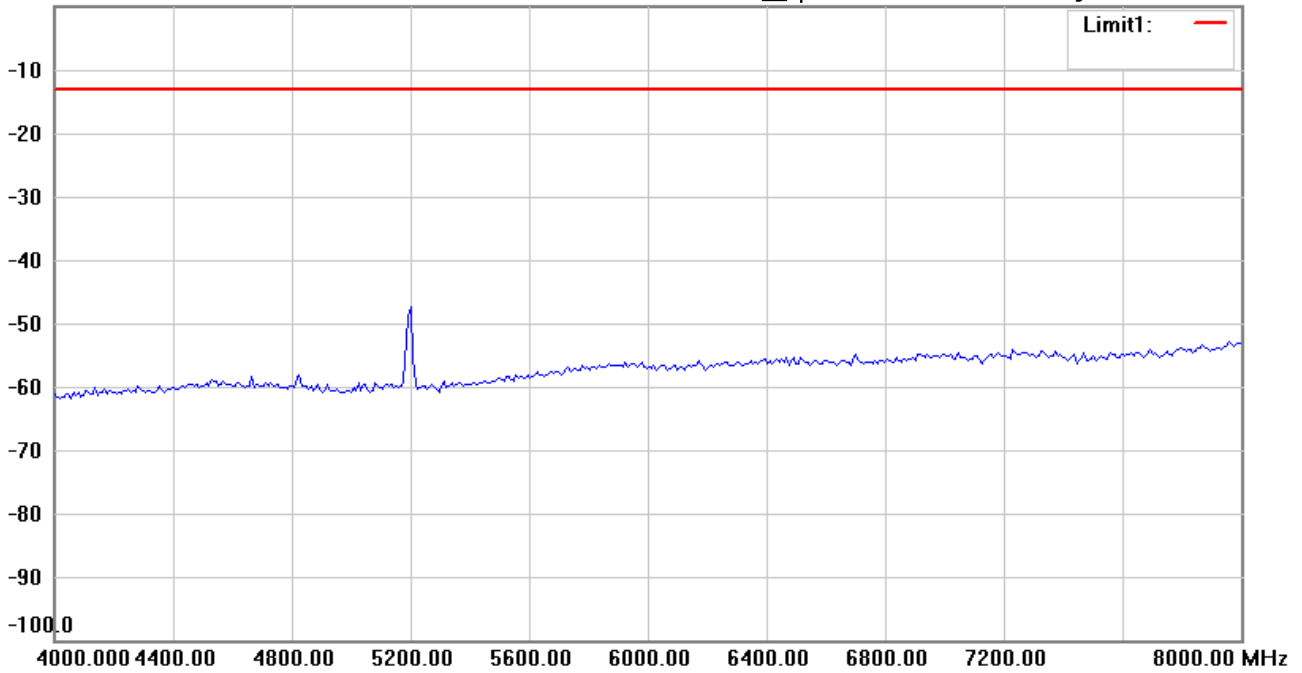
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 上午 10:56:13

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND4-QPSK-1.4M-1RB-CH20175

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#7

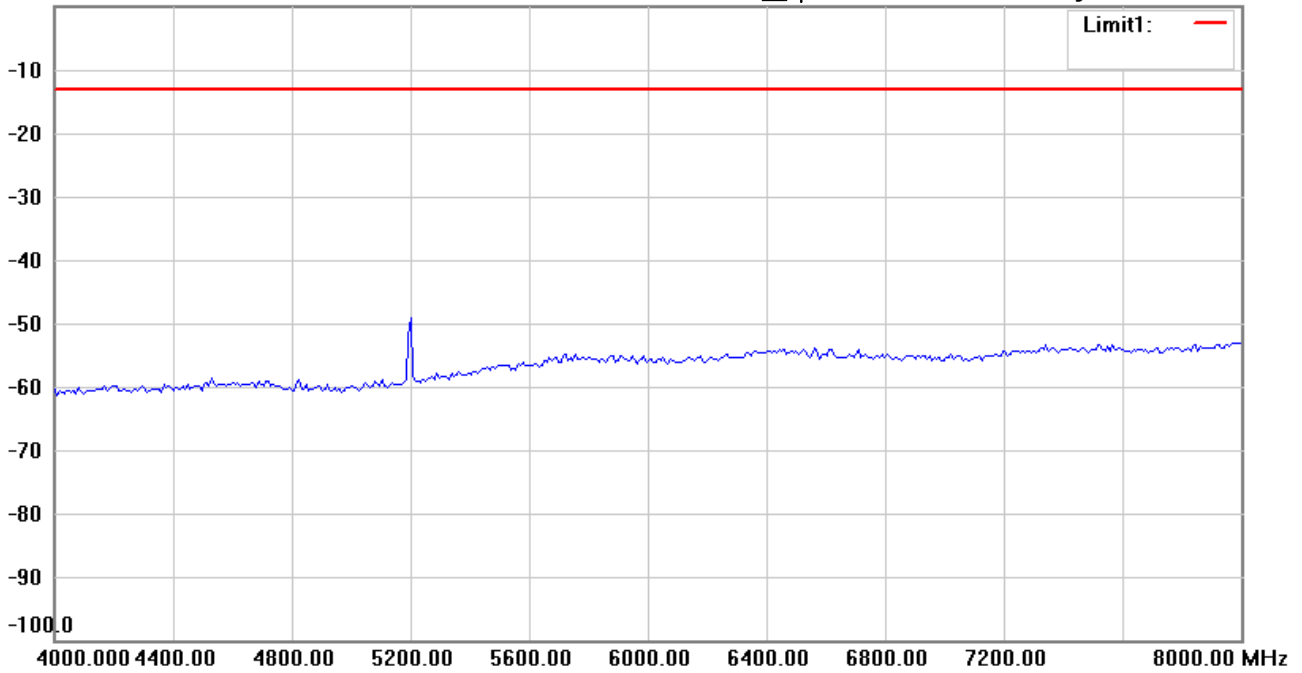
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 上午 11:01:10

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND4-QPSK-1.4M-1RB-CH20175

Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#3

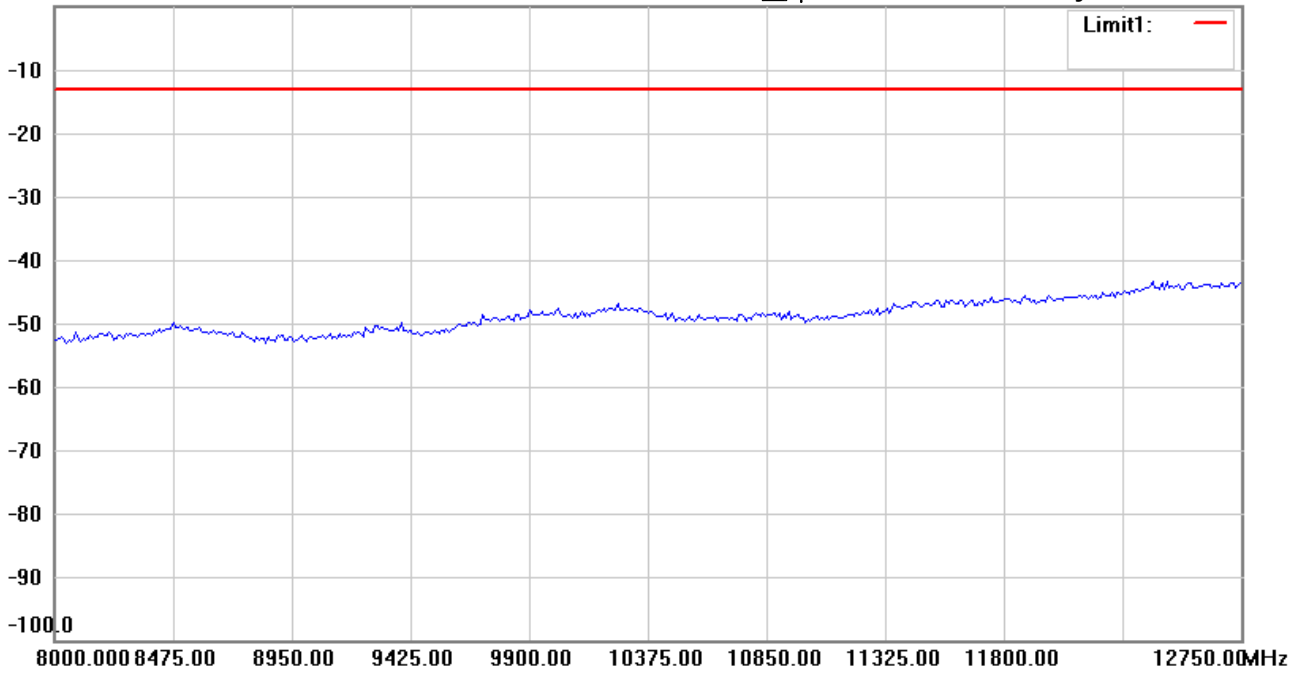
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 上午 10:56:56

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

Polarization: *Horizontal*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : BAND4-QPSK-1.4M-1RB-CH20175

Note :

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#8

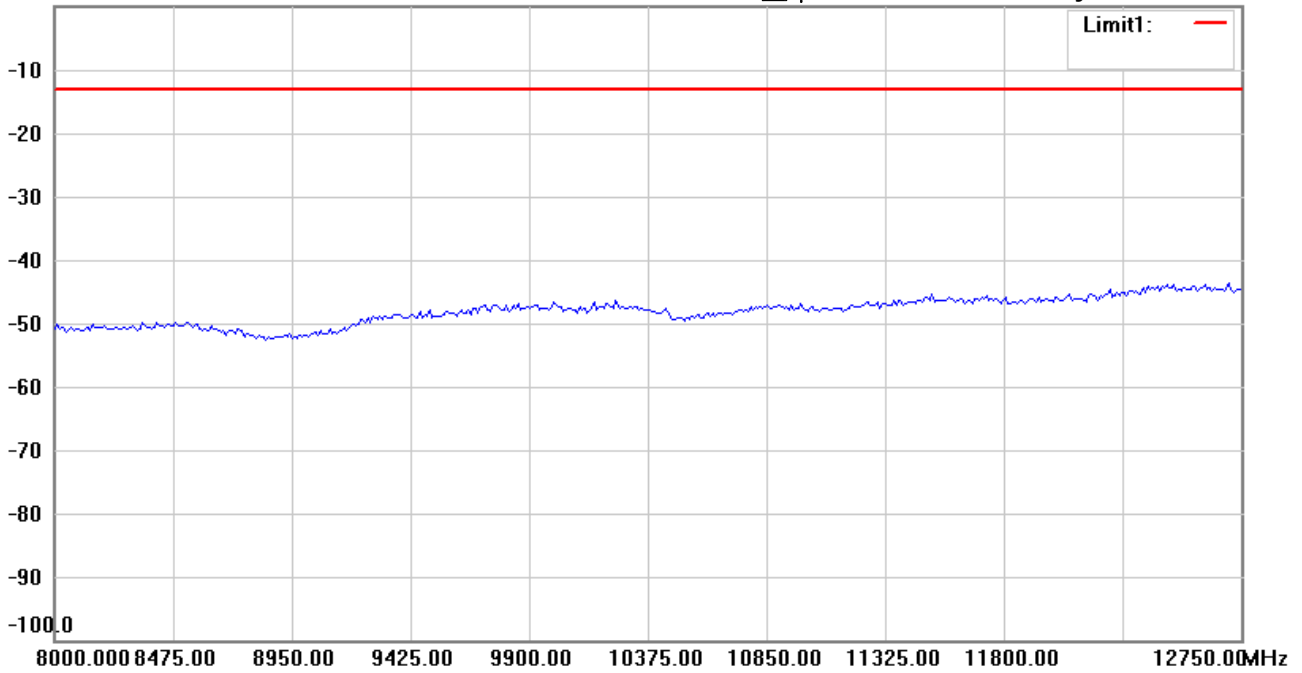
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 上午 11:02:03

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND4-QPSK-1.4M-1RB-CH20175

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin





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Radiated Emission Measurement

Operator: Sora

File :3

Data :#4

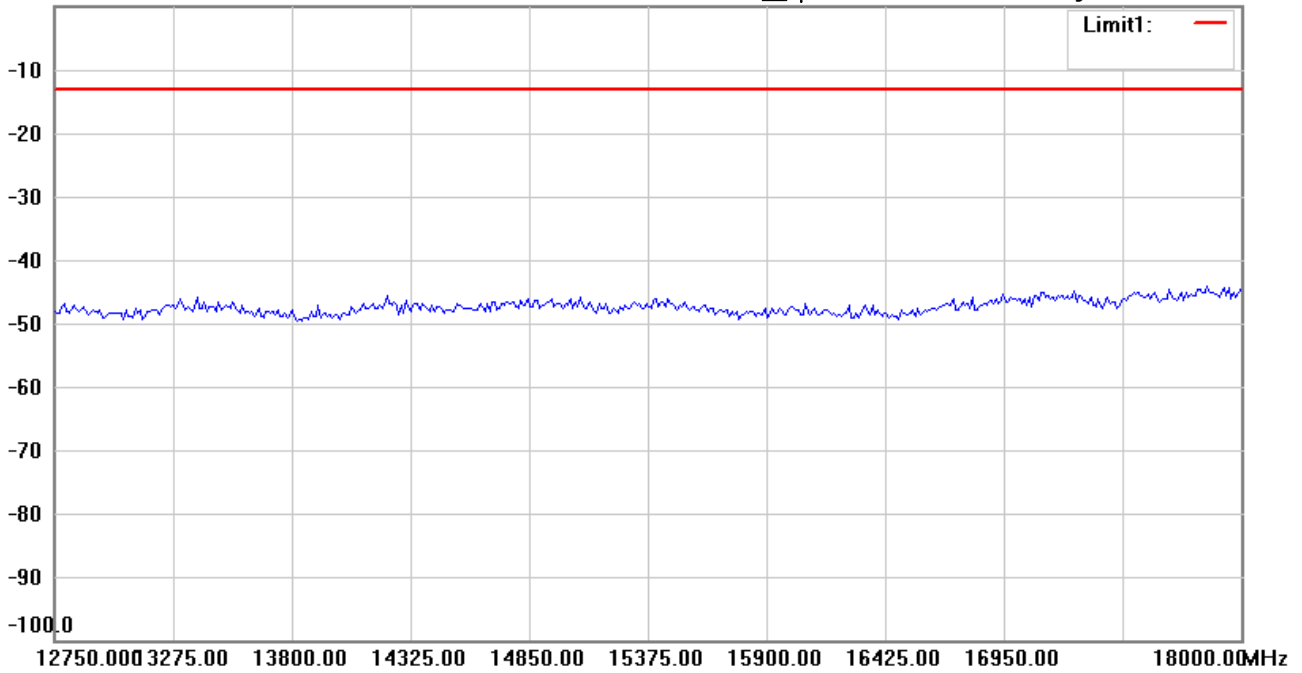
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 上午 10:57:08

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

Polarization: *Horizontal*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : BAND4-QPSK-1.4M-1RB-CH20175

Note :

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#9

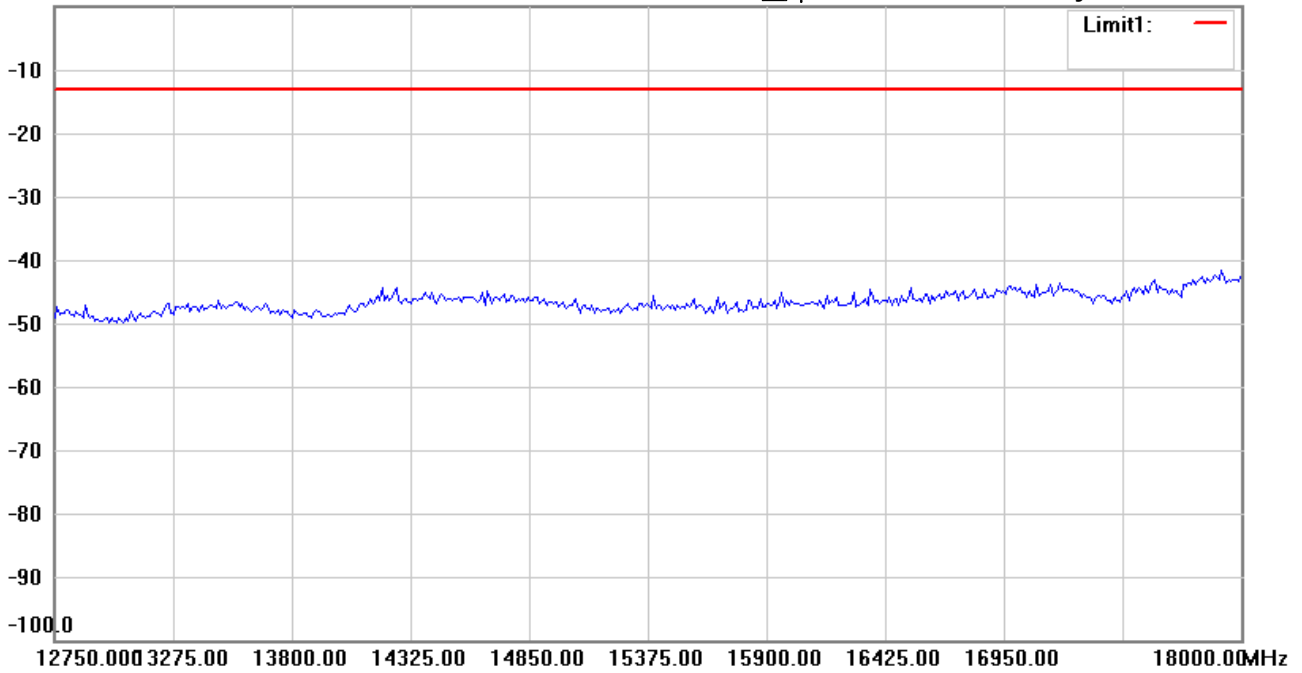
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 上午 11:02:15

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND4-QPSK-1.4M-1RB-CH20175

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#5

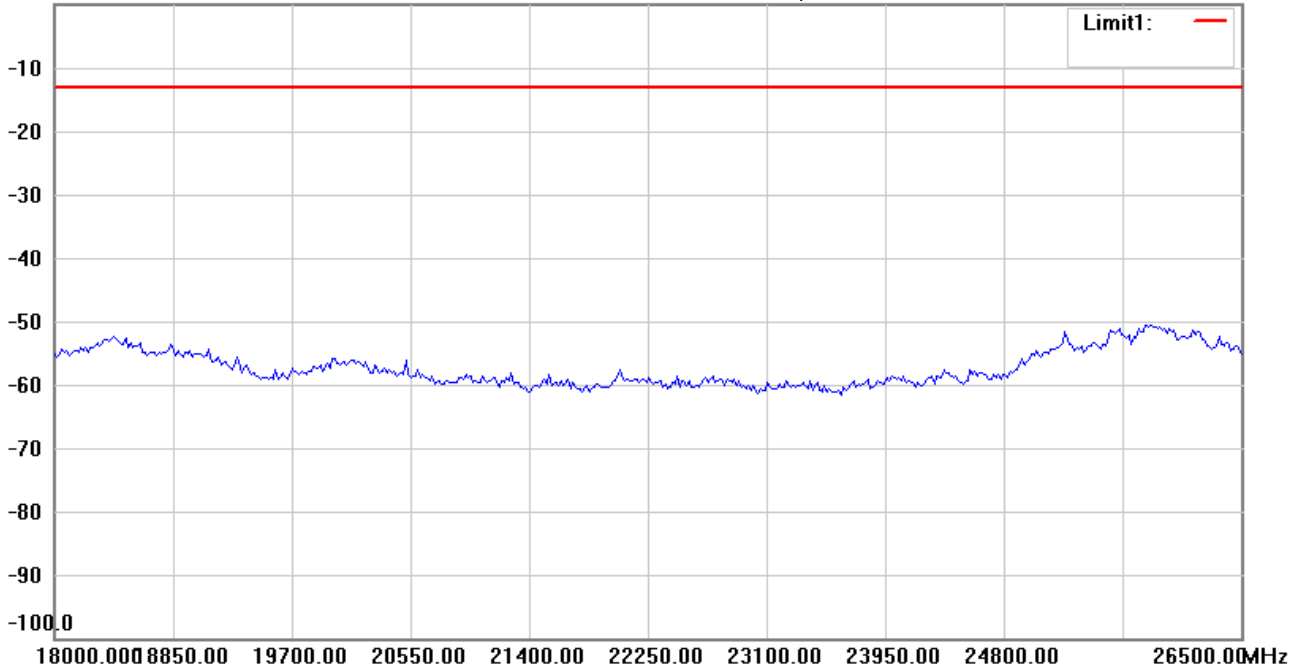
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 上午 10:57:20

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND4-QPSK-1.4M-1RB-CH20175

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	---------------	----------	-------------------	--------------	-------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



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**Radiated Emission Measurement**

Operator: Sora

File :3

Data :#10

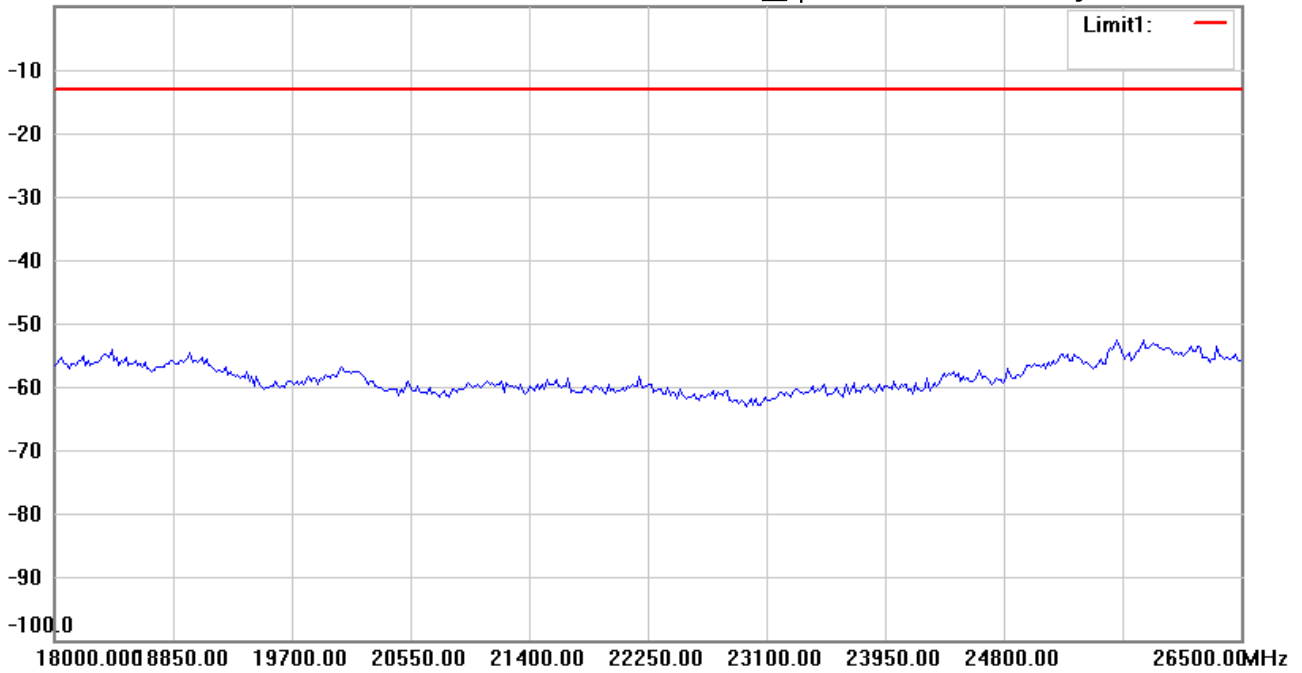
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 上午 11:02:27

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND4-QPSK-1.4M-1RB-CH20175

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	---------------	----------	-------------------	--------------	-------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



Radiated Emission Measurement

Operator: Sora

File :1

Data :#1

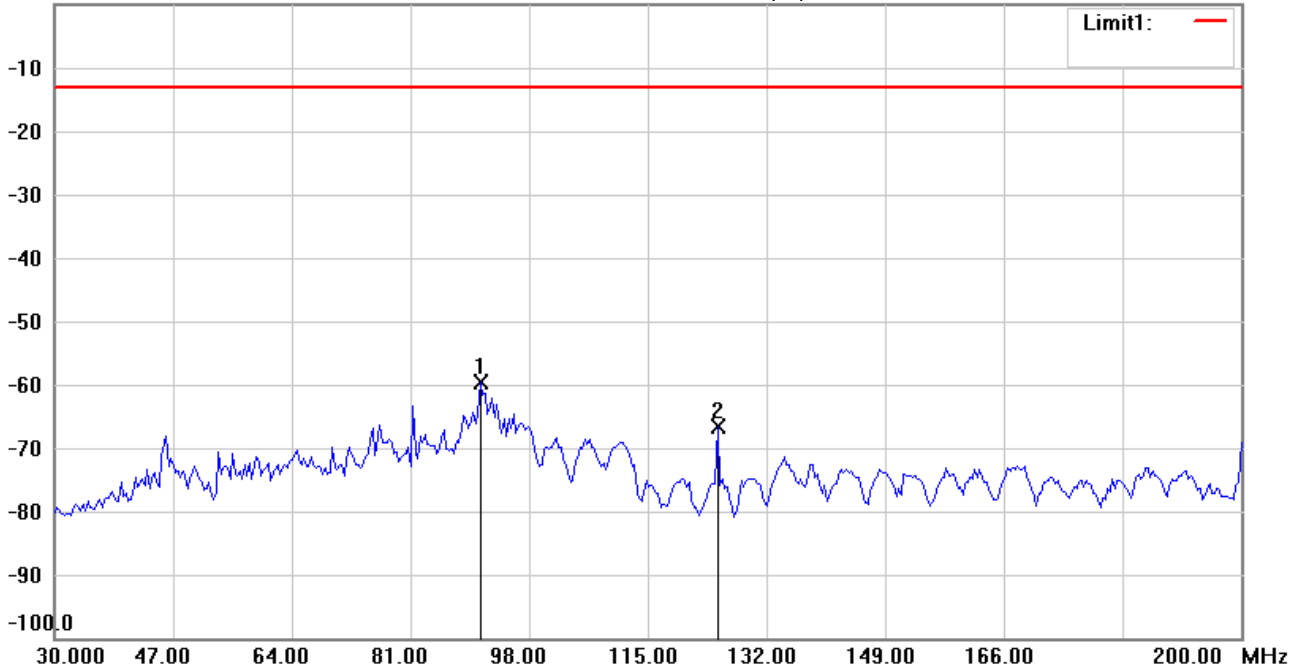
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 下午 01:26:18

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND4-QPSK-20M-1RB-CH20175

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	90.9820	-83.52	peak	23.88	-59.64	-13.00	150	95	-46.64	
	125.0501	-88.60	peak	21.90	-66.70	-13.00	150	170	-53.70	



Radiated Emission Measurement

Operator: Sora

File :1

Data :#2

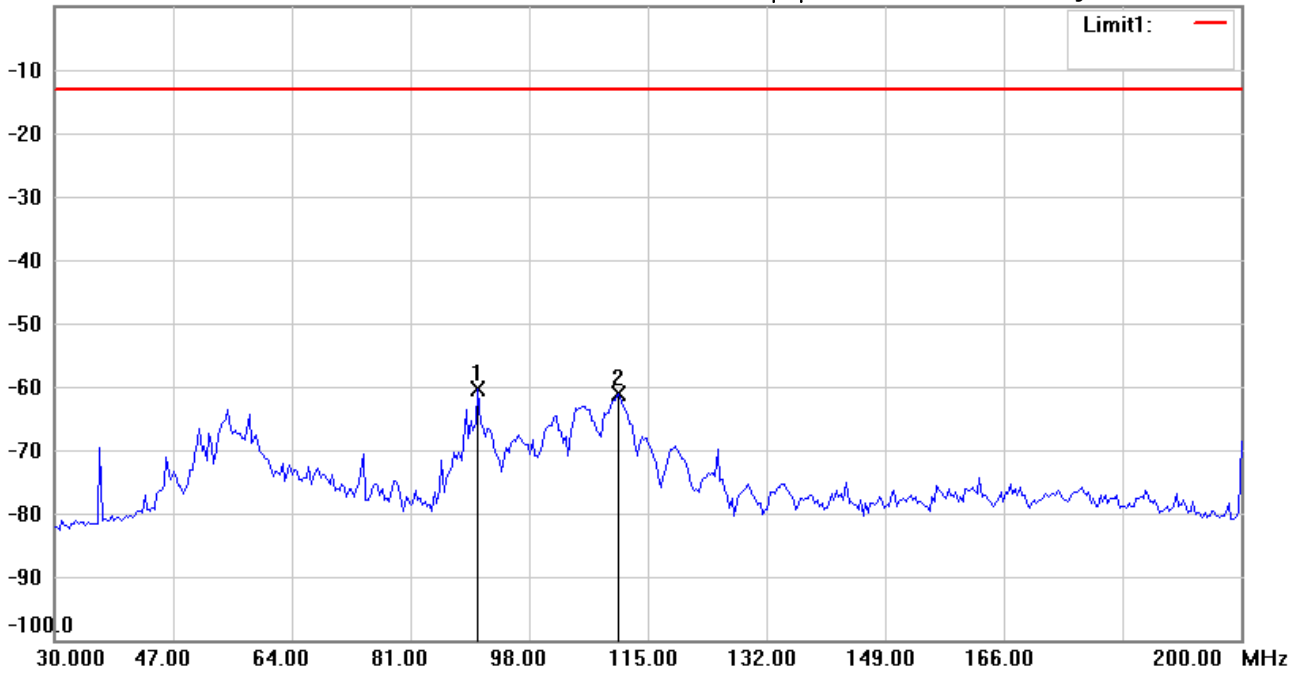
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 下午 01:35:07

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND4-QPSK-20M-1RB-CH20175

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	90.6413	-83.31	peak	22.84	-60.47	-13.00	150	305	-47.47	
	110.7415	-84.71	peak	23.70	-61.01	-13.00	150	285	-48.01	



Radiated Emission Measurement

Operator: Sora

File :2

Data :#1

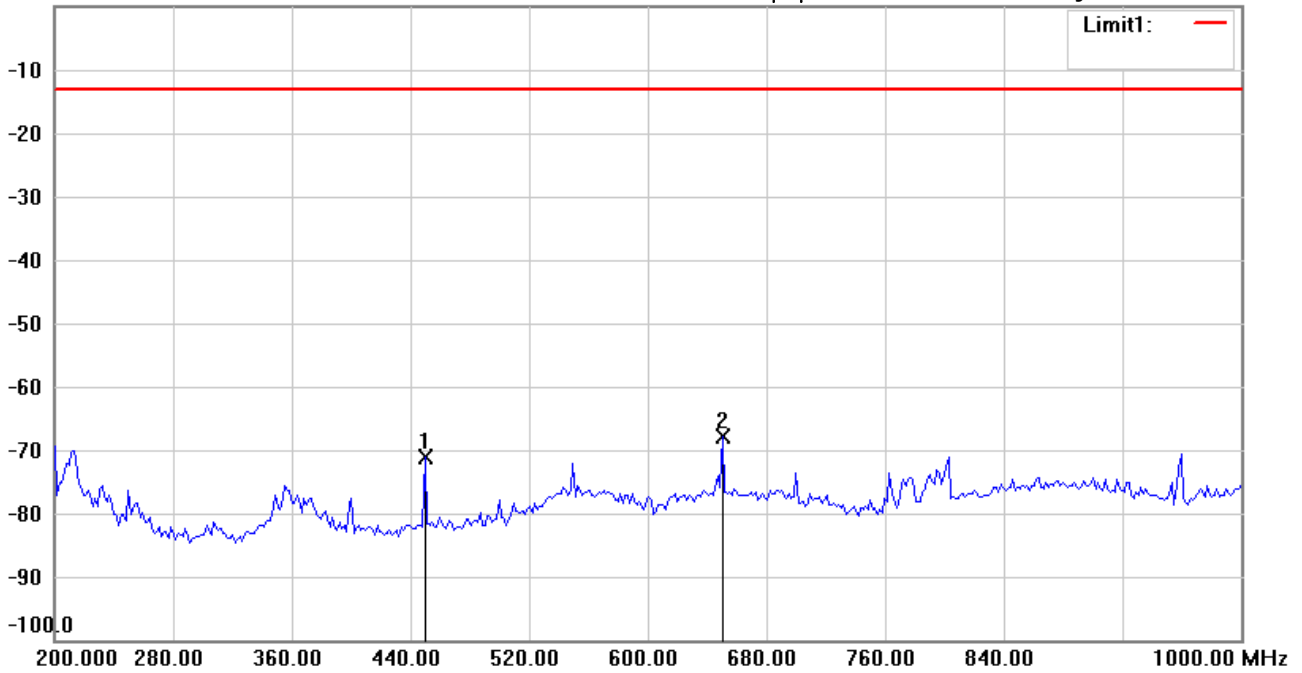
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 下午 02:28:25

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND4-QPSK-20M-1RB-CH20175

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	450.1002	-64.39	peak	-6.64	-71.03	-13.00	150	275	-58.03	
*	650.5010	-68.60	peak	0.71	-67.89	-13.00	150	220	-54.89	



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Radiated Emission Measurement

Operator: Sora

File :2

Data :#2

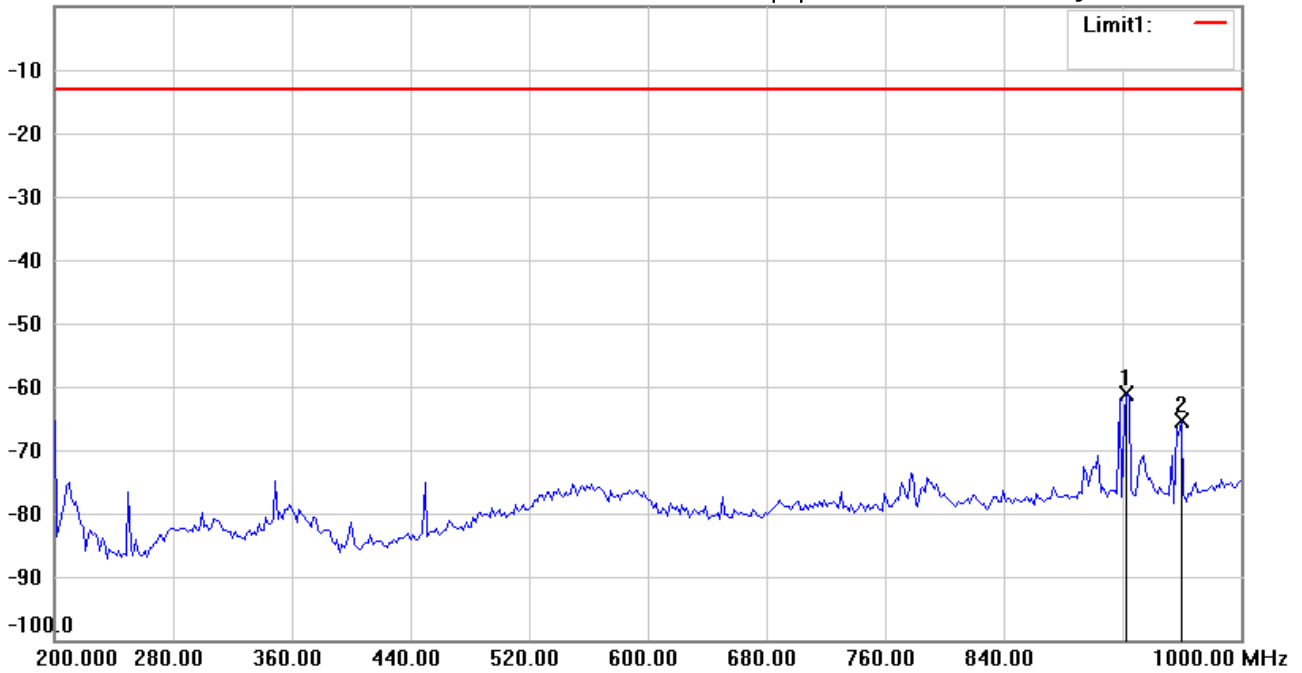
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 下午 02:42:32

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND4-QPSK-20M-1RB-CH20175

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	923.0461	-60.58	peak	-0.54	-61.12	-13.00	150	330	-48.12	
	959.9198	-64.65	peak	-0.76	-65.41	-13.00	150	105	-52.41	

\*:Maximum data x:Over limit !:over margin





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Radiated Emission Measurement

Operator: Sora

File :3

Data :#1

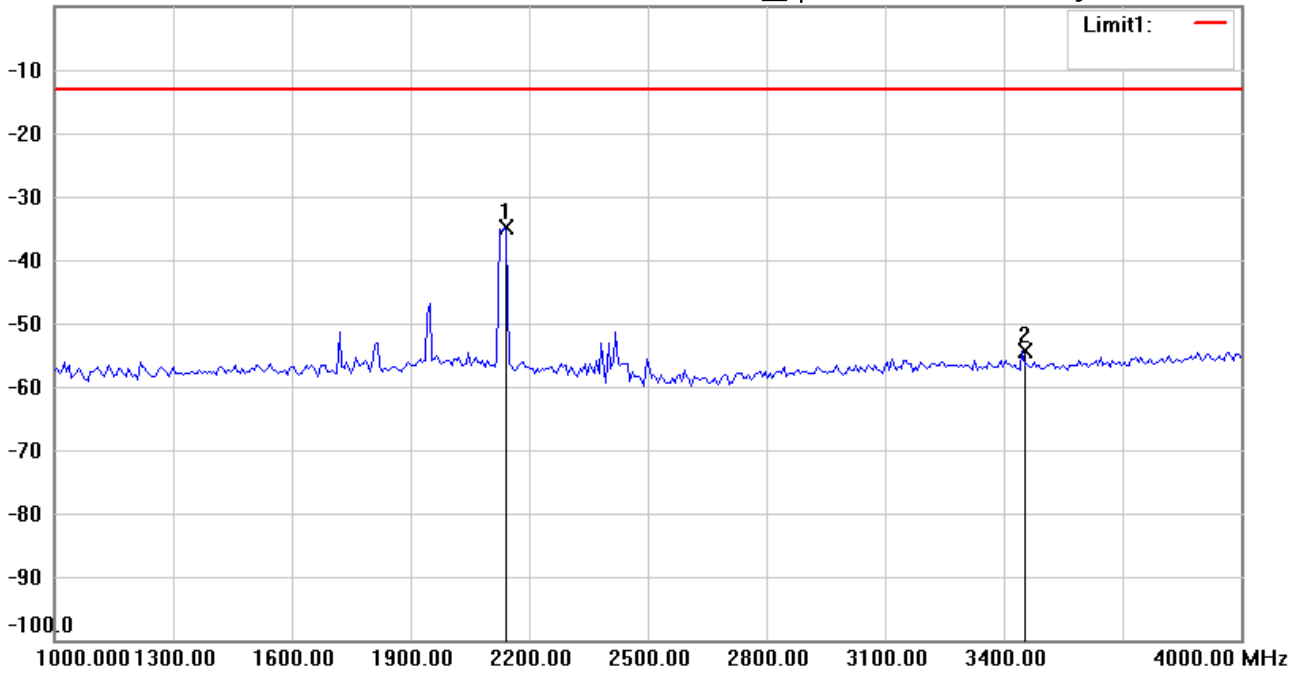
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 上午 10:22:34

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND4-QPSK-20M-1RB-CH20175

Note :

Polarization: **Horizontal**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	2136.273	-40.18	peak	5.19	-34.99	-13.00	150	75	-21.99	
	3446.894	-60.54	peak	6.11	-54.43	-13.00	150	160	-41.43	

\*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#6

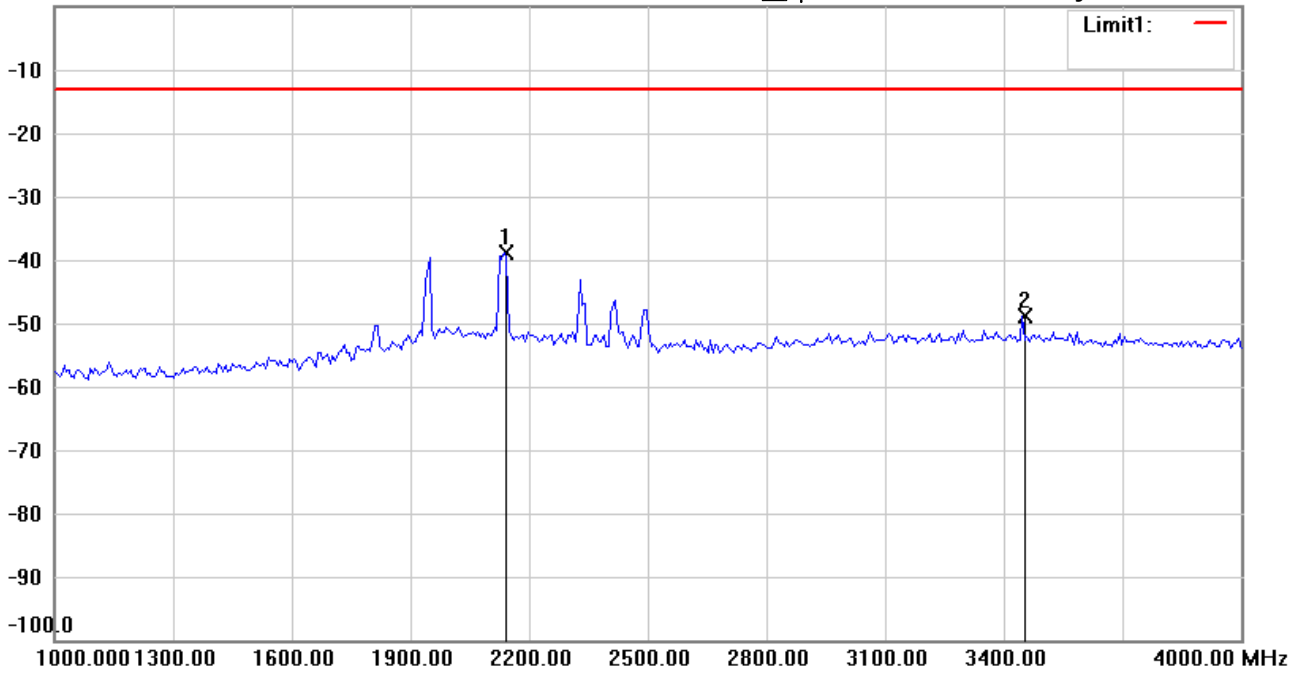
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 上午 10:29:02

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND4-QPSK-20M-1RB-CH20175

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	2136.273	-48.74	peak	9.86	-38.88	-13.00	150	275	-25.88	
	3446.894	-59.26	peak	10.35	-48.91	-13.00	150	350	-35.91	

\*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#2

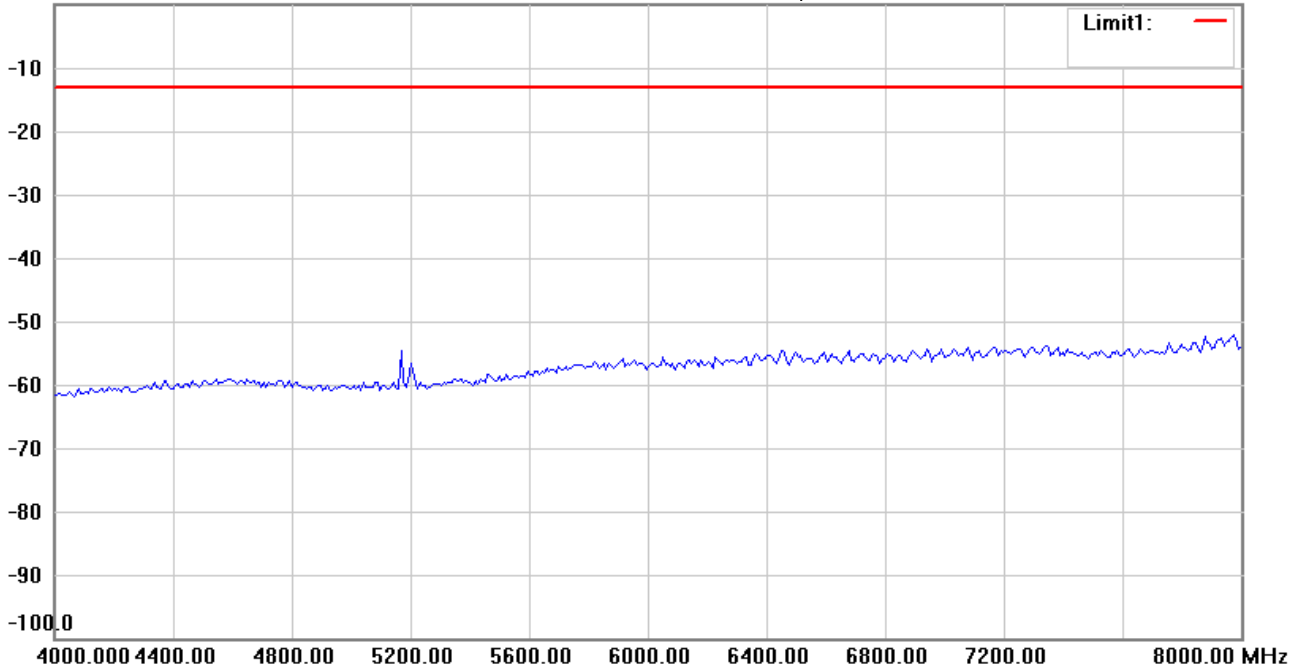
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 上午 10:23:40

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND4-QPSK-20M-1RB-CH20175

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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 Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Sora

File :3

Data :#7

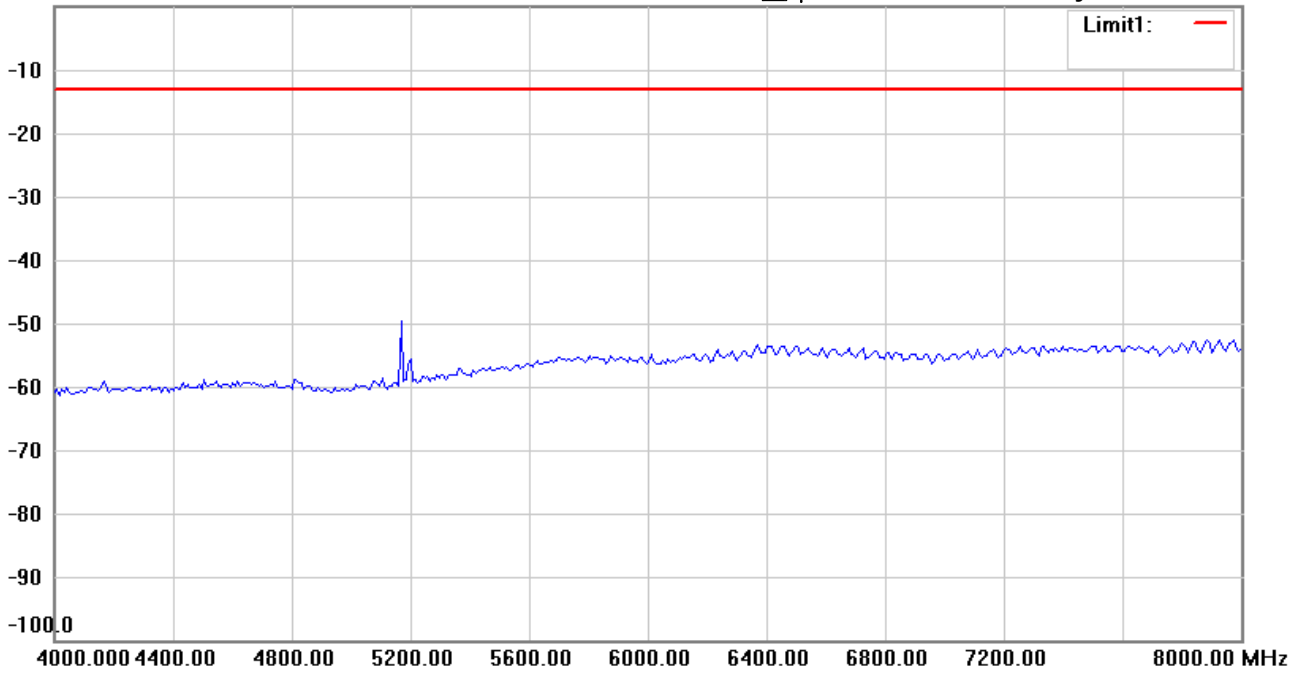
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 上午 10:29:45

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND4-QPSK-20M-1RB-CH20175

Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	---------------	----------	-------------------	--------------	-------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#3

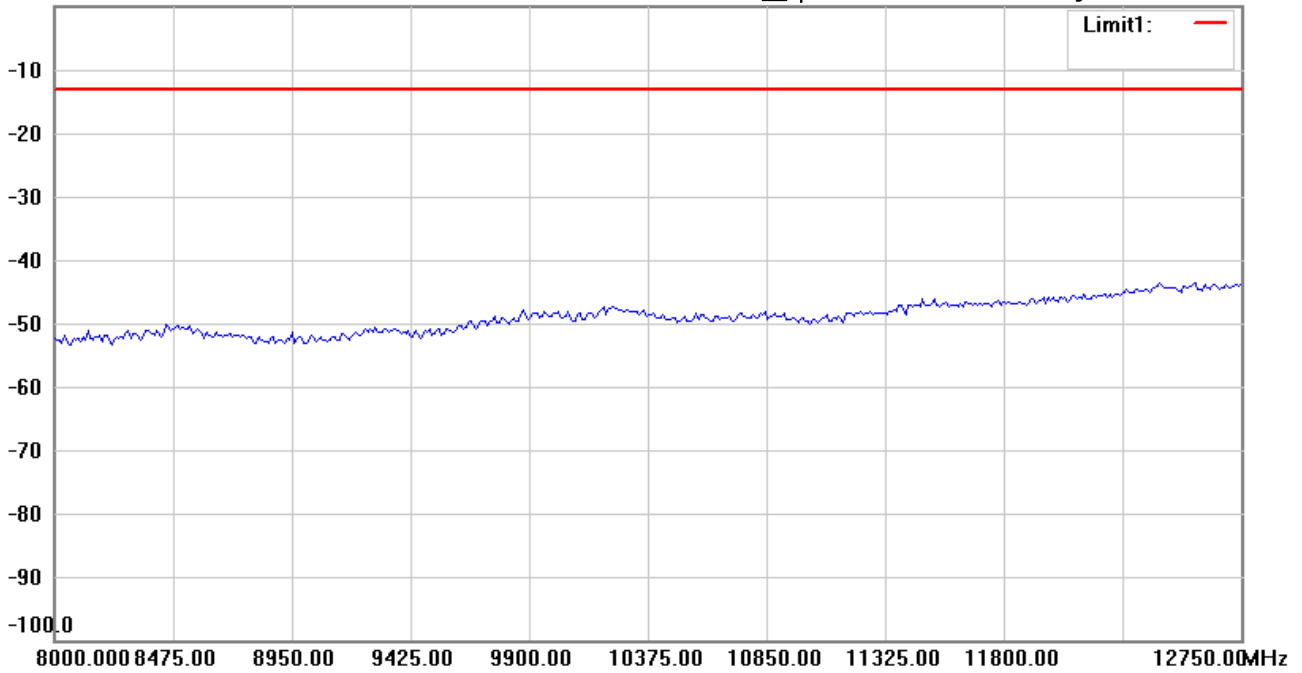
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 上午 10:24:24

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND4-QPSK-20M-1RB-CH20175

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	---------------	----------	-------------------	--------------	-------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#8

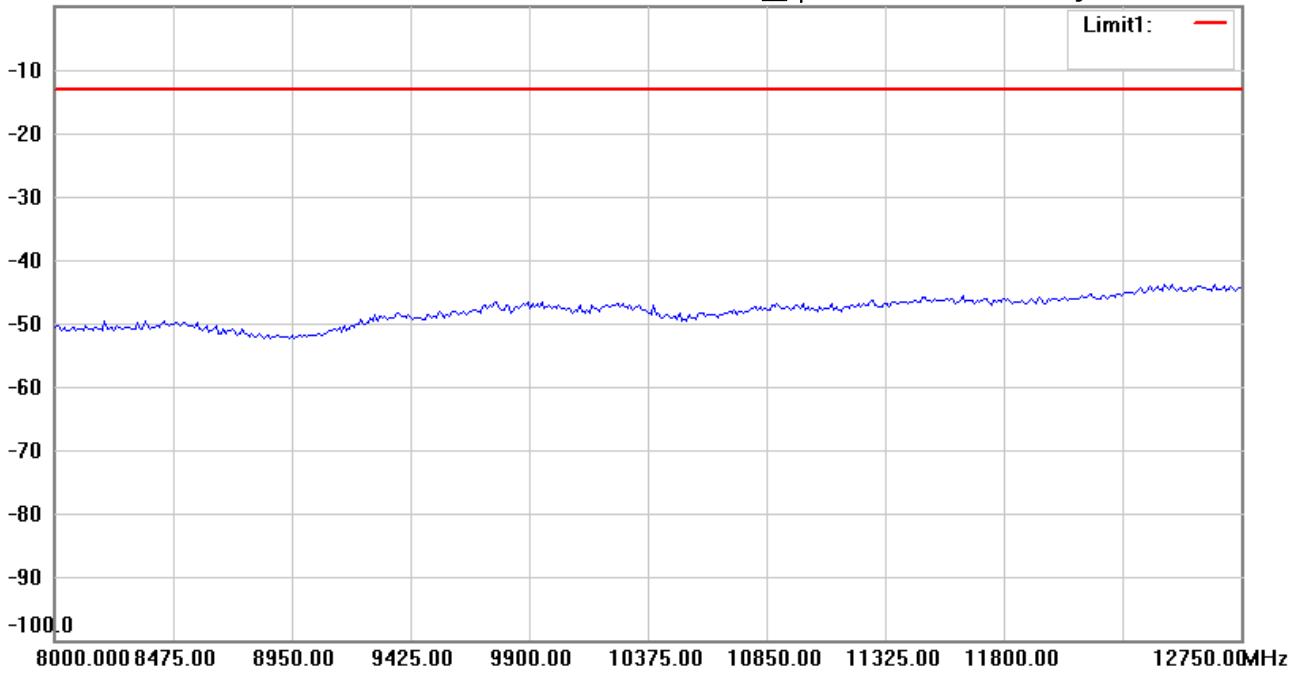
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 上午 10:30:40

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND4-QPSK-20M-1RB-CH20175

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	---------------	----------	-------------------	--------------	-------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
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Radiated Emission Measurement

Operator: Sora

File :3

Data :#4

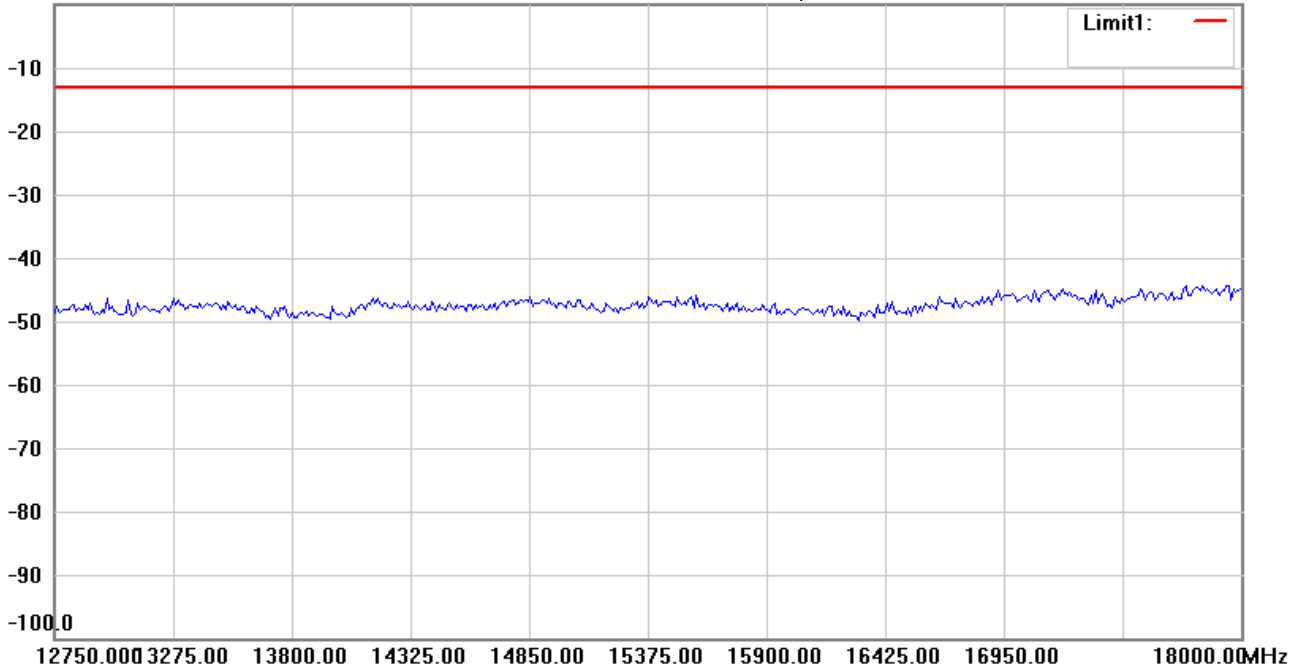
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 上午 10:24:36

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND4-QPSK-20M-1RB-CH20175

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	---------------	----------	-------------------	--------------	-------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#9

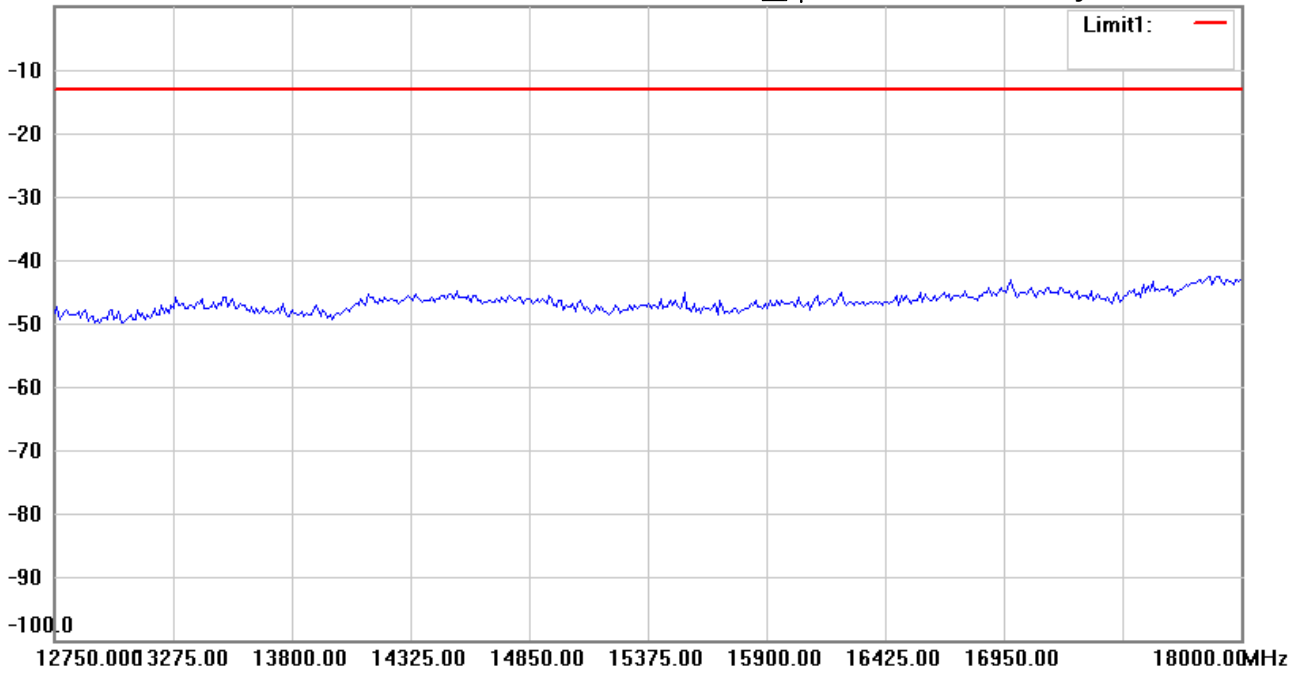
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 上午 10:30:52

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND4-QPSK-20M-1RB-CH20175

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin





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Radiated Emission Measurement

Operator: Sora

File :3

Data :#5

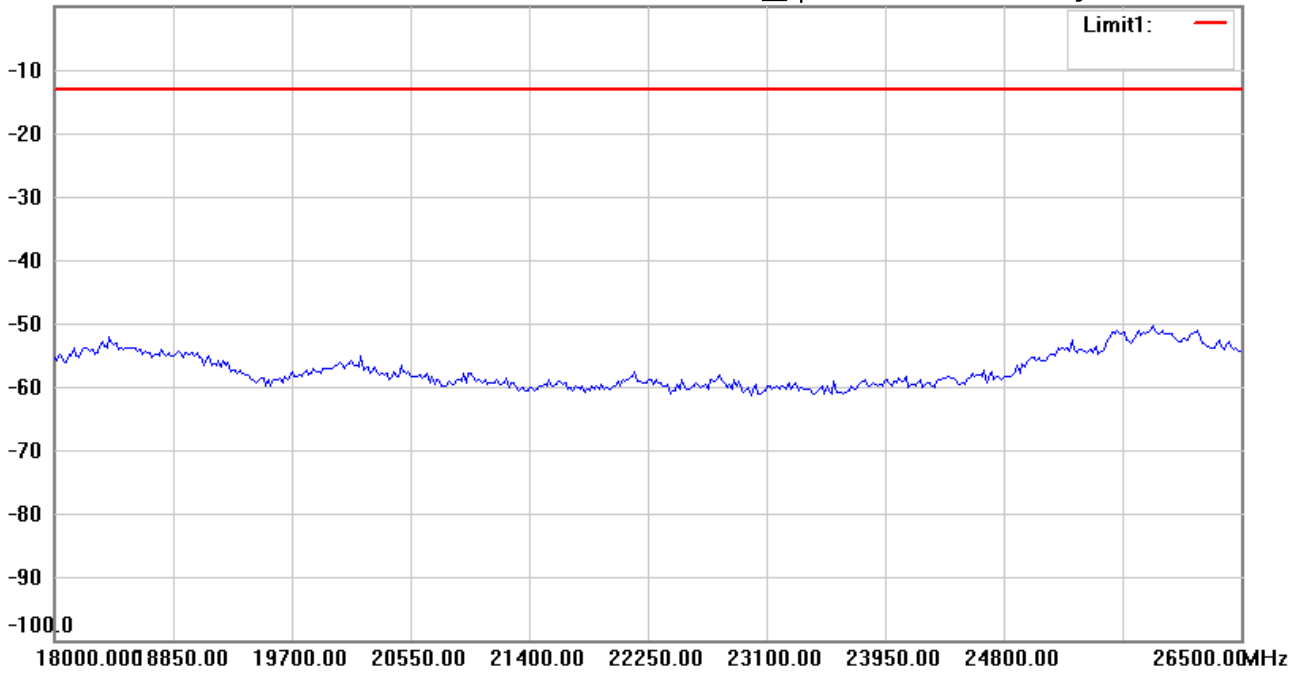
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 上午 10:24:48

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND4-QPSK-20M-1RB-CH20175

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	---------------	----------	-------------------	--------------	-------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



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**Radiated Emission Measurement**

Operator: Sora

File :3

Data :#10

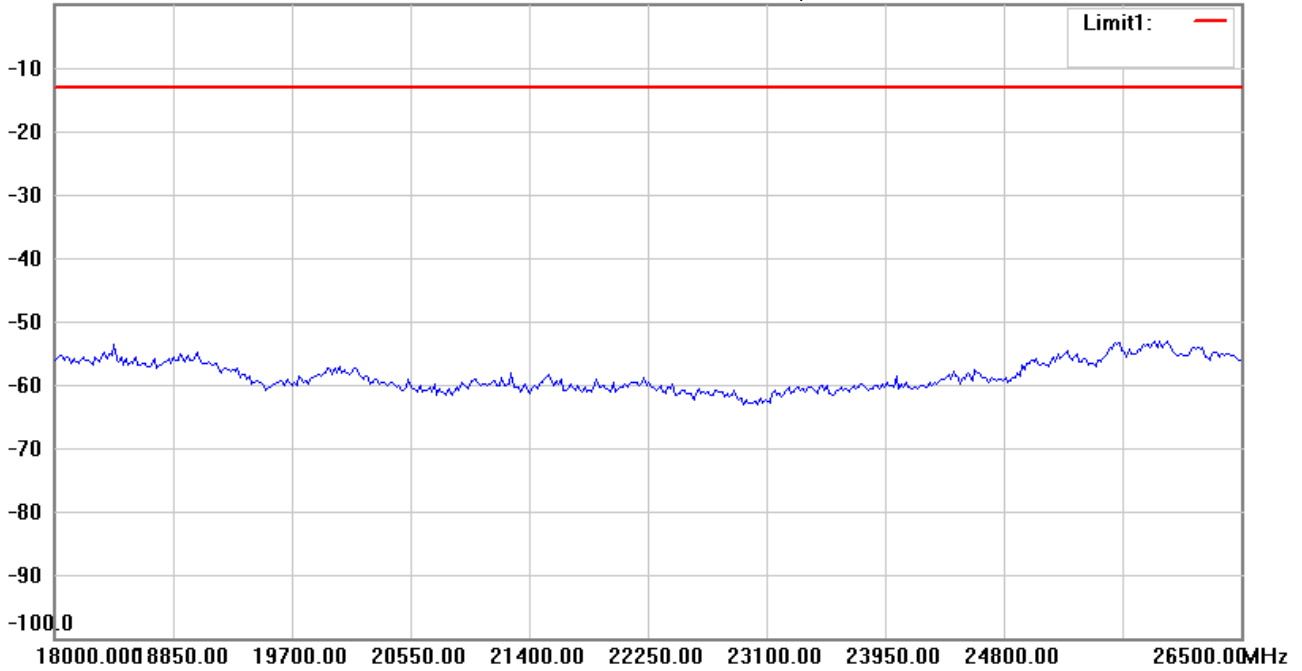
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 上午 10:31:04

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND4-QPSK-20M-1RB-CH20175

Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	---------------	----------	-------------------	--------------	-------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



Radiated Emission Measurement

Operator: Sora

File :1

Data :#1

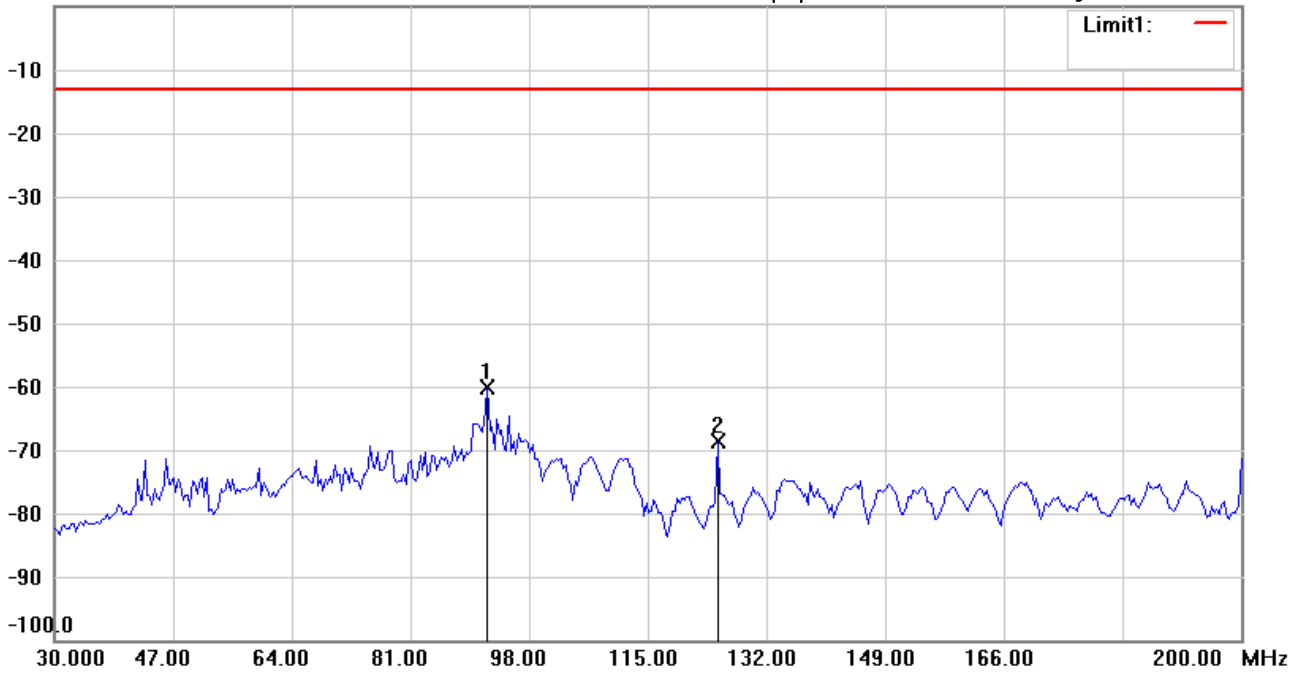
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 下午 01:23:27

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND12-QPSK-10M-1RB-CH23095

Note :

Polarization: **Horizontal**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	92.0040	-81.80	peak	21.60	-60.20	-13.00	150	225	-47.20	
	125.0501	-88.40	peak	19.75	-68.65	-13.00	150	175	-55.65	



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Radiated Emission Measurement

Operator: Sora

File :1

Data :#2

Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 下午 01:37:24

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND12-QPSK-10M-1RB-CH23095

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	89.6192	-84.42	peak	20.60	-63.82	-13.00	150	195	-50.82	
	110.4008	-86.11	peak	21.58	-64.53	-13.00	150	255	-51.53	

\*:Maximum data x:Over limit !:over margin



Radiated Emission Measurement

Operator: Sora

File :2

Data :#1

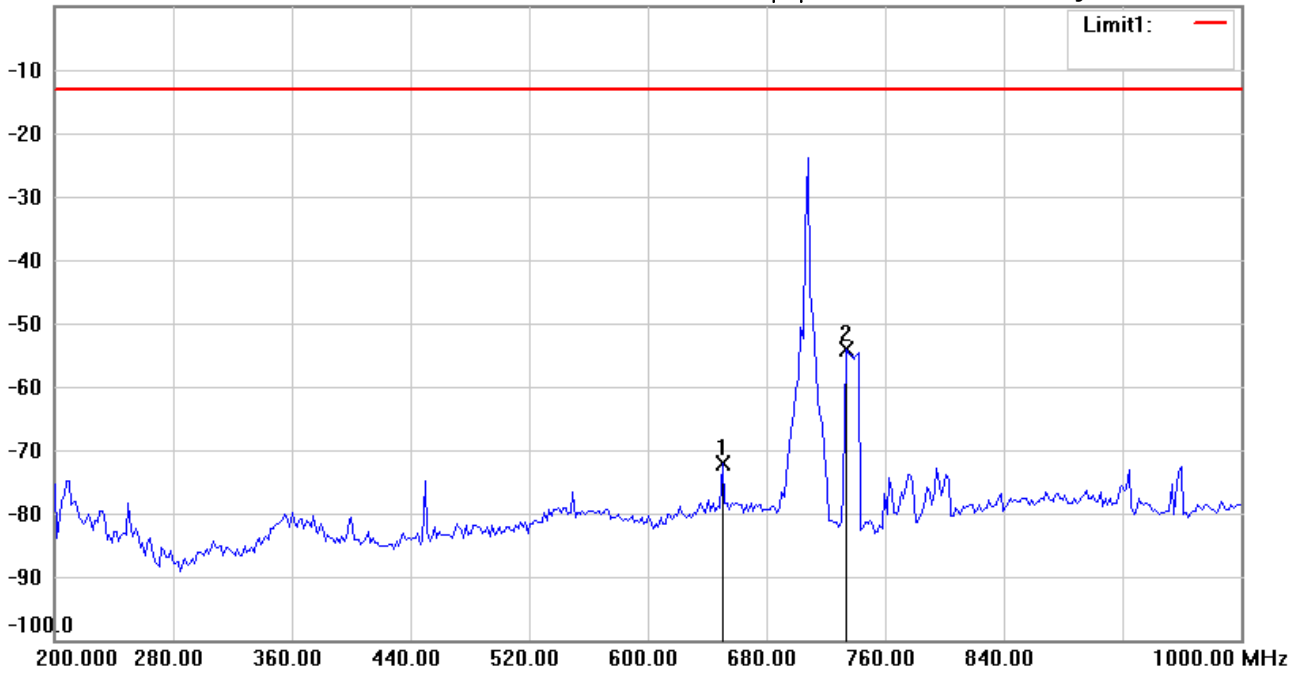
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 下午 01:50:56

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND12-QPSK-10M-1RB-CH23095

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	650.5010	-70.68	peak	-1.44	-72.12	-13.00	150	255	-59.12	
*	733.8677	-49.58	peak	-4.48	-54.06	-13.00	150	140	-41.06	



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Radiated Emission Measurement

Operator: Sora

File :2

Data :#2

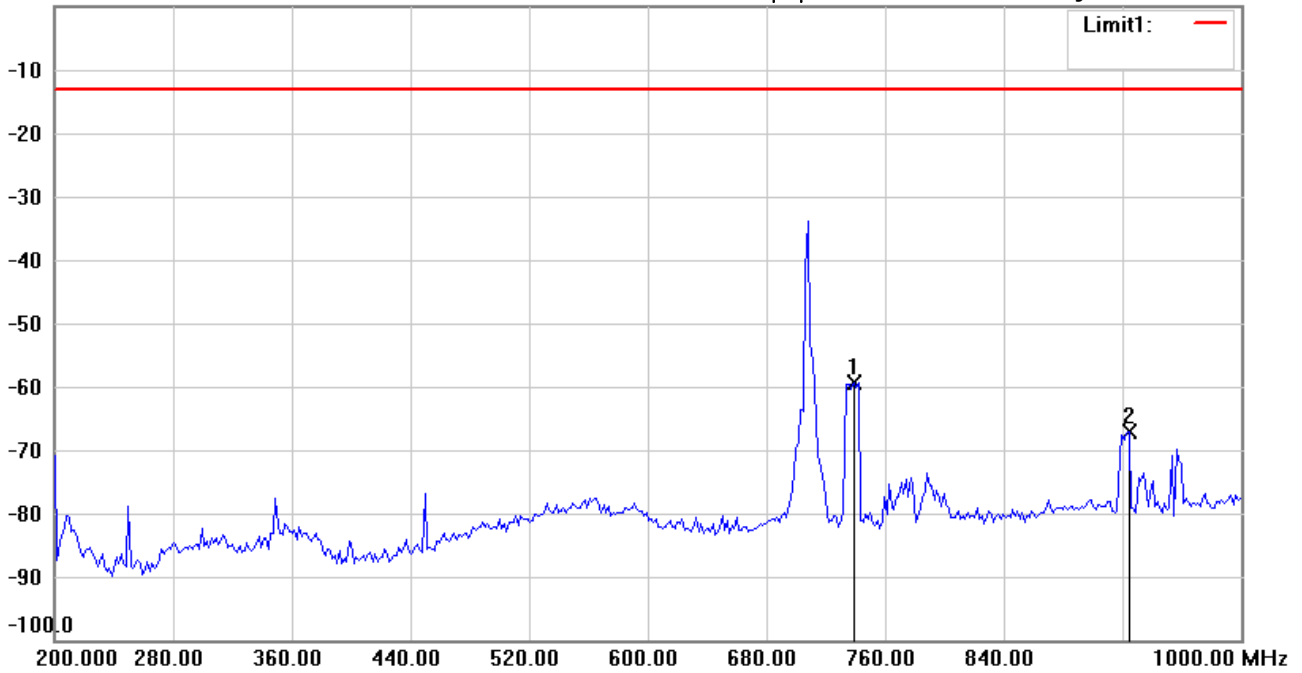
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 下午 01:52:30

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND12-QPSK-10M-1RB-CH23095

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	738.6774	-55.14	peak	-4.23	-59.37	-13.00	150	155	-46.37	
	924.6493	-64.47	peak	-2.72	-67.19	-13.00	150	295	-54.19	

\*:Maximum data    x:Over limit    !:over margin



Radiated Emission Measurement

Operator: Sora

File :3

Data :#1

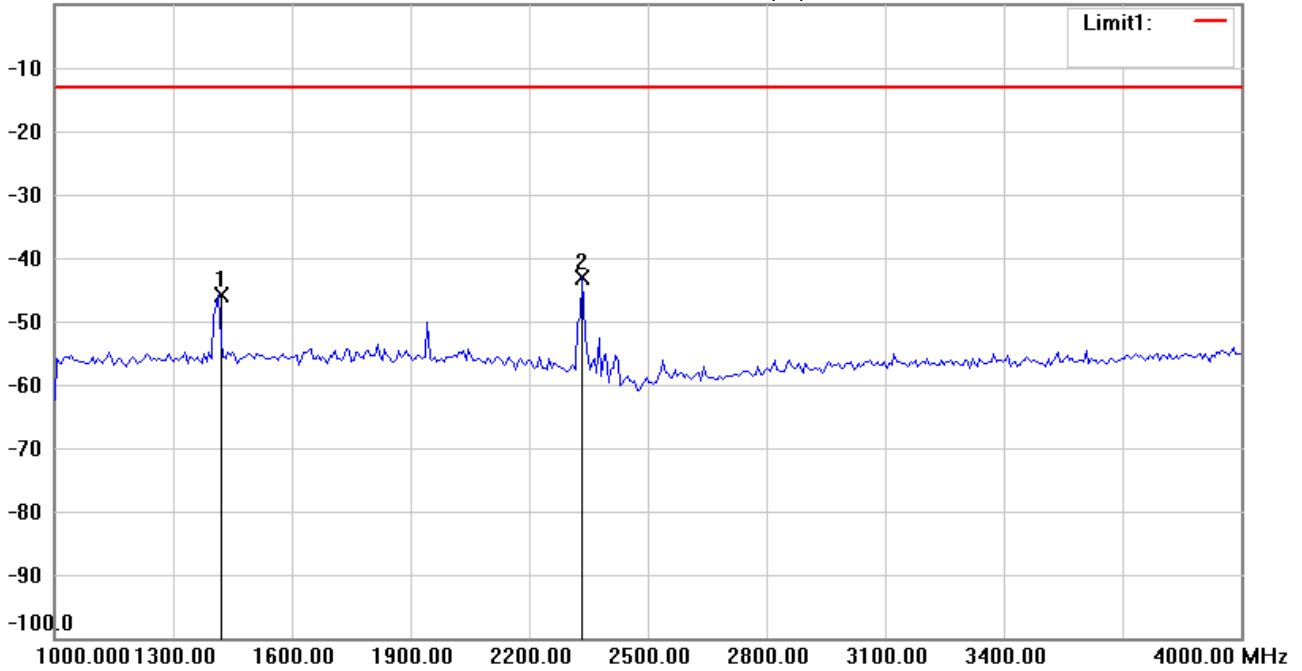
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 下午 01:09:48

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND12-QPSK-10M-1RB-CH23095

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	1414.830	-51.53	peak	5.72	-45.81	-13.00	150	130	-32.81	
*	2334.669	-47.17	peak	4.06	-43.11	-13.00	150	205	-30.11	



Radiated Emission Measurement

Operator: Sora

File :3

Data :#4

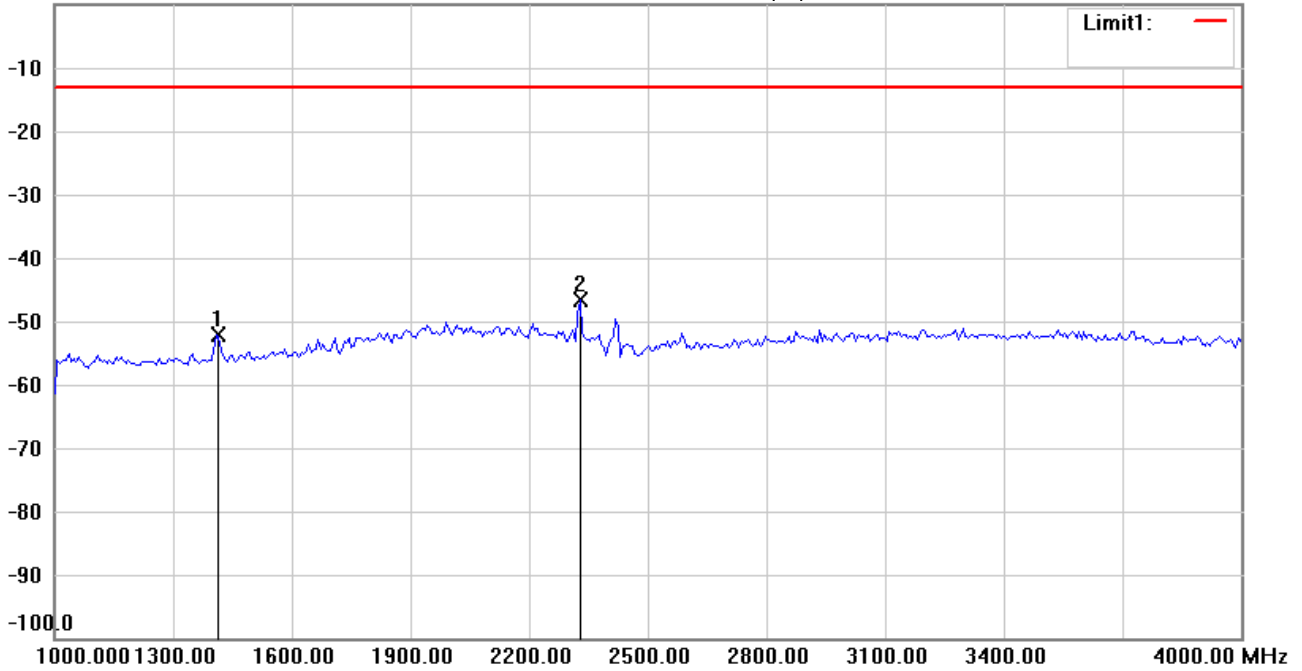
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 下午 01:14:53

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND12-QPSK-10M-1RB-CH23095

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	1408.818	-57.85	peak	5.64	-52.21	-13.00	150	305	-39.21	
*	2328.657	-55.66	peak	9.04	-46.62	-13.00	150	260	-33.62	





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Radiated Emission Measurement

Operator: Sora

File :3

Data :#2

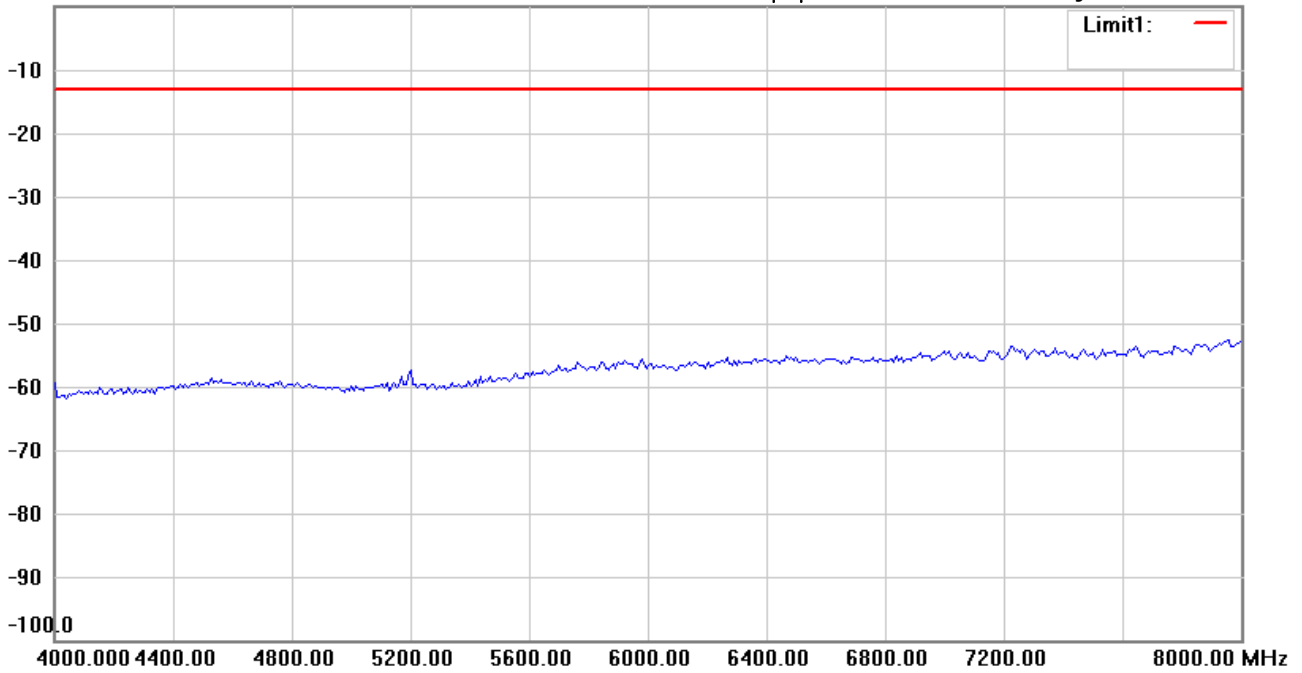
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 下午 01:10:30

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND12-QPSK-10M-1RB-CH23095

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#5

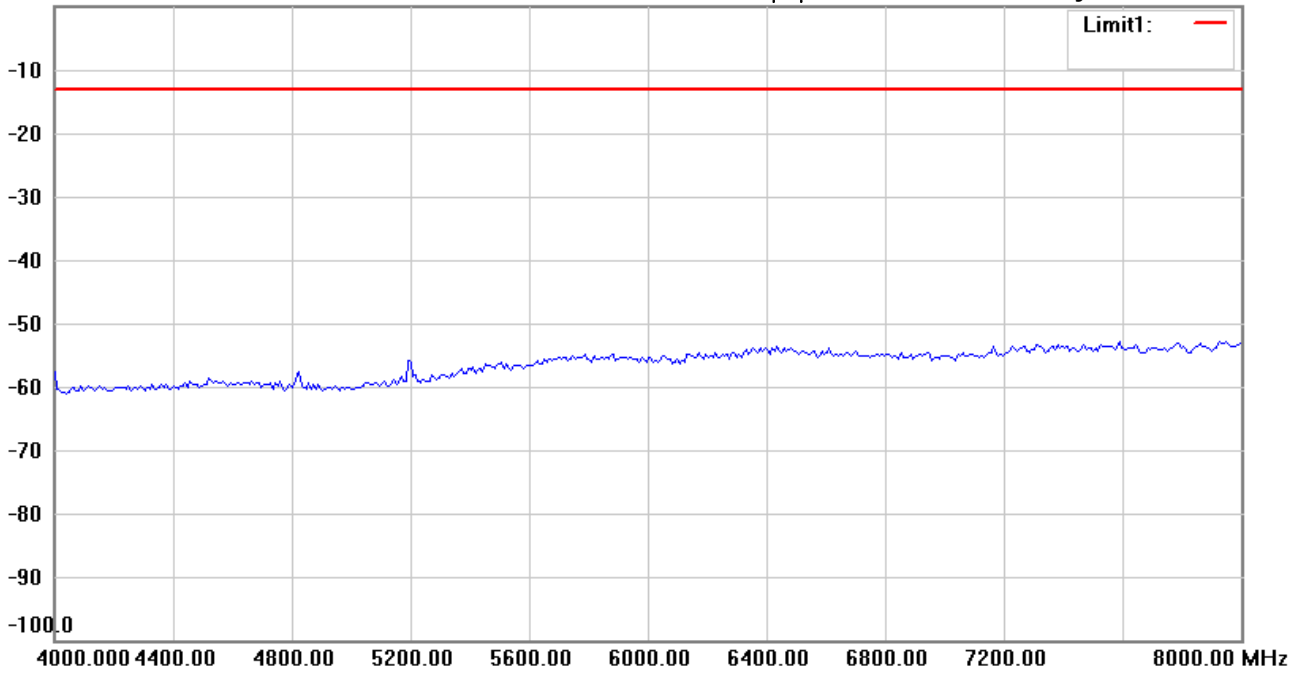
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 下午 01:15:36

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND12-QPSK-10M-1RB-CH23095

Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	---------------	----------	-------------------	--------------	-------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#3

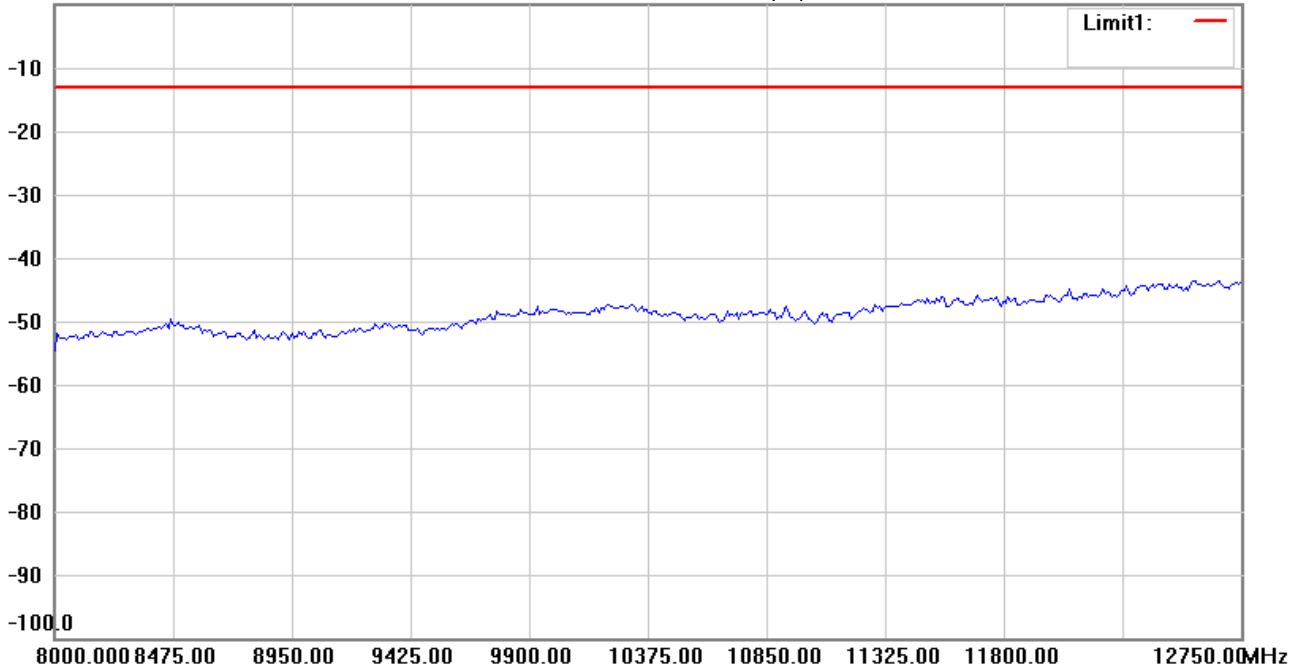
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 下午 01:11:13

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND12-QPSK-10M-1RB-CH23095

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	---------------	----------	-------------------	--------------	-------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sora

File :3

Data :#6

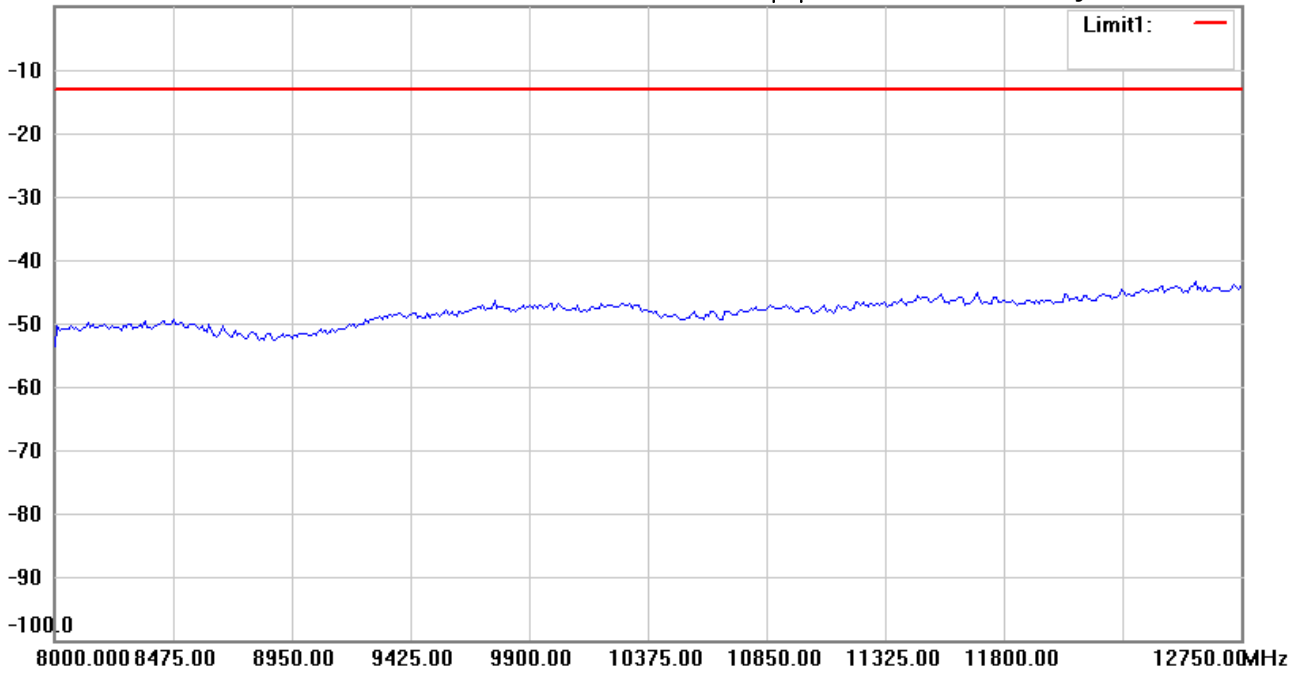
Date: 2021/12/10

Temperature:24 °C

0.0 dBm

Time: 下午 01:16:20

Humidity:60 %



Site : Chamber

Condition : FCC\_part 22/24/27

EUT : W6R22112-21431

M/N:

Test Mode : BAND12-QPSK-10M-1RB-CH23095

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	---------------	----------	-------------------	--------------	-------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Allen

File :1

Data :#1

Date: 12/17/2021

Temperature:24.7 °C

80.0 dBuV/m

Time: 12:49:33 AM

Humidity:63.1 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_30-1000MHz

Polarization: *Horizontal*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : WCDMA Band 2 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	119.4188	32.59	peak	-6.30	26.29	43.50	104	256	-17.21	
	199.1182	36.84	peak	-10.52	26.32	43.50	126	100	-17.18	
	348.7974	30.98	peak	-4.66	26.32	46.00	100	28	-19.68	
*	650.1001	28.88	peak	1.41	30.29	46.00	143	315	-15.71	

\*:Maximum data x:Over limit !:over margin



Radiated Emission Measurement

Operator: Allen

File :1

Data :#2

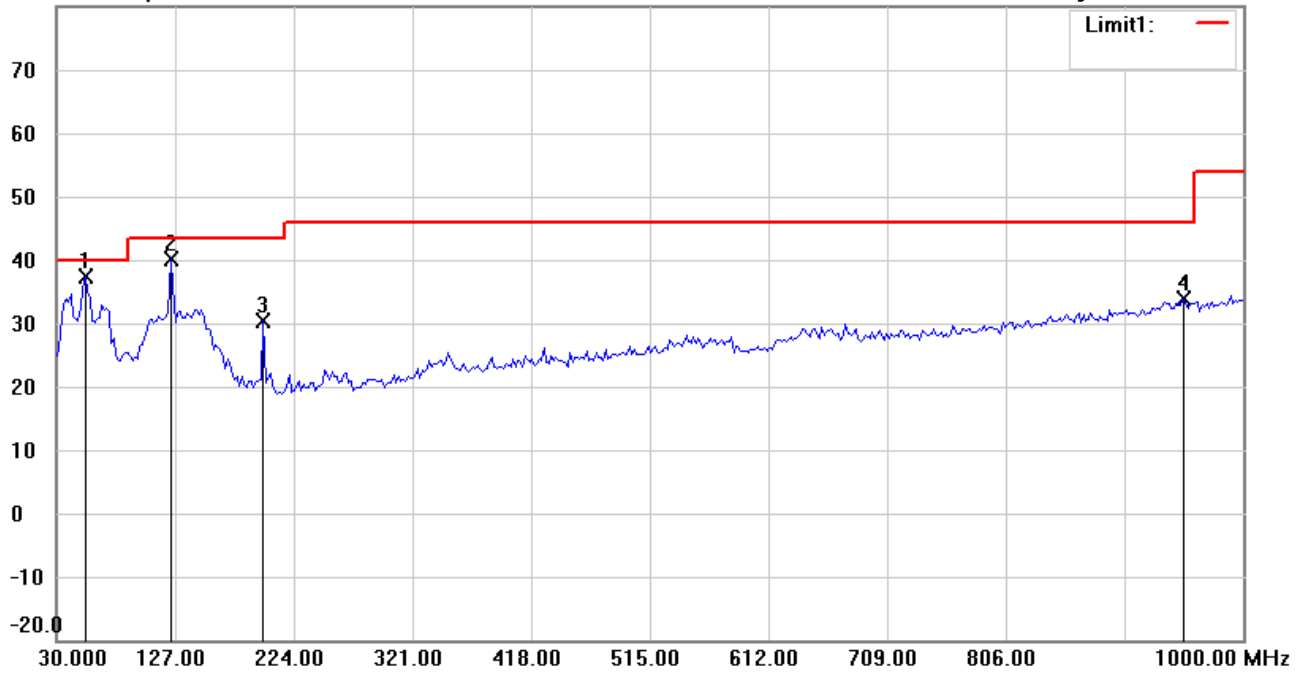
Date: 12/17/2021

Temperature:24.7 °C

80.0 dBuV/m

Time: 12:50:34 AM

Humidity:63.1 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_30-1000MHz

Polarization: **Vertical**

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : WCDMA Band 2 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	53.3267	47.57	QP	-10.24	37.33	40.00	100	77	-2.67	
	123.3066	46.26	peak	-6.16	40.10	43.50	138	340	-3.40	
	199.1182	40.80	peak	-10.52	30.28	43.50	104	125	-13.22	
	951.4028	28.14	peak	5.86	34.00	46.00	120	192	-12.00	



Radiated Emission Measurement

Operator: Sky

File :3

Data :#1

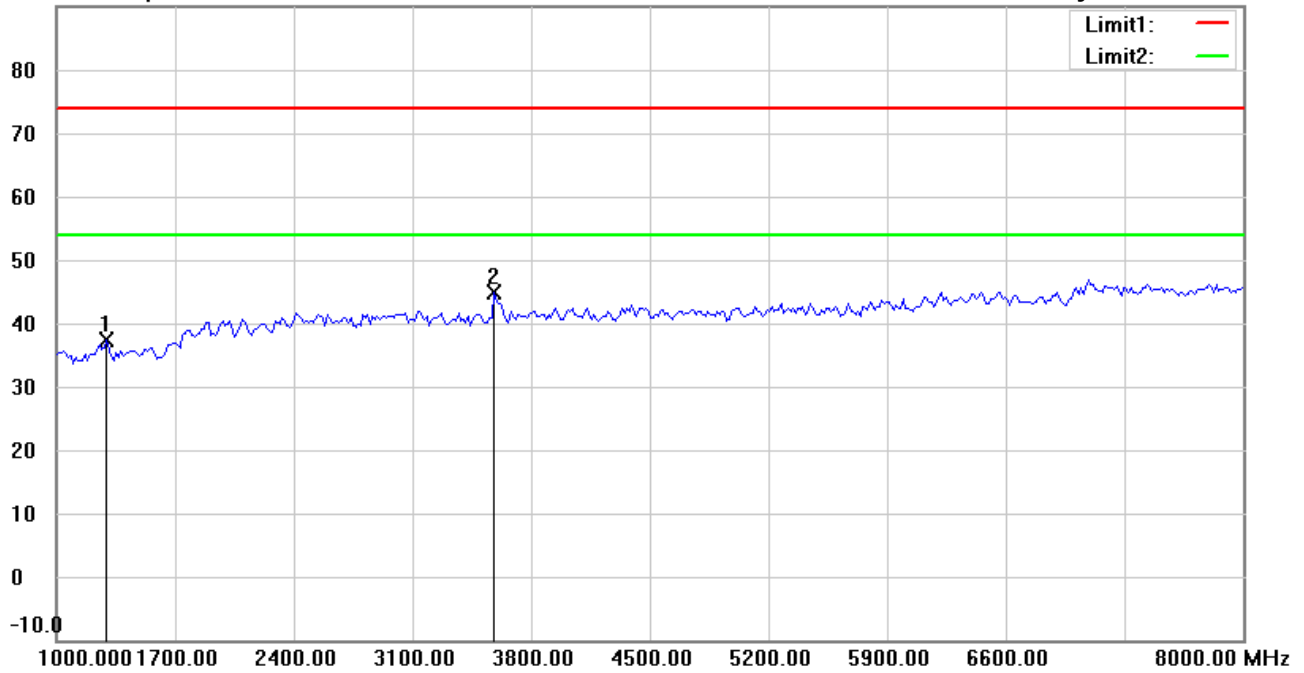
Date: 12/16/2021

Temperature:22.9 °C

90.0 dBuV/m

Time: 9:15:34 PM

Humidity:59.6 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : WCDMA Band 2 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	1294.589	43.45	peak	-6.09	37.36	74.00	150	93	-36.64	
*	3581.162	44.02	peak	0.89	44.91	74.00	150	145	-29.09	



Radiated Emission Measurement

Operator: Sky

File :3

Data :#5

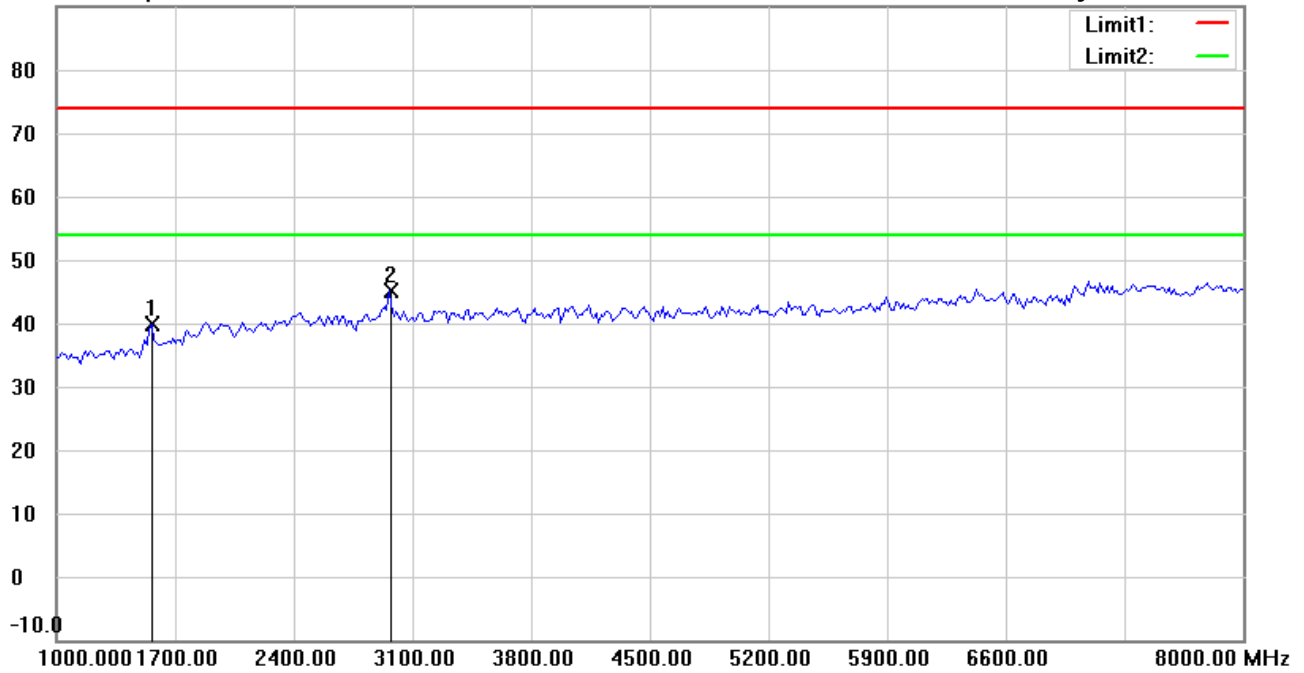
Date: 12/16/2021

Temperature:22.9 °C

90.0 dBuV/m

Time: 9:19:49 PM

Humidity:59.6 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : WCDMA Band 2 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	1561.122	46.34	peak	-6.49	39.85	74.00	150	213	-34.15	
*	2963.928	44.94	peak	0.18	45.12	74.00	150	127	-28.88	





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Radiated Emission Measurement

Operator: Sky

File :3

Data :#2

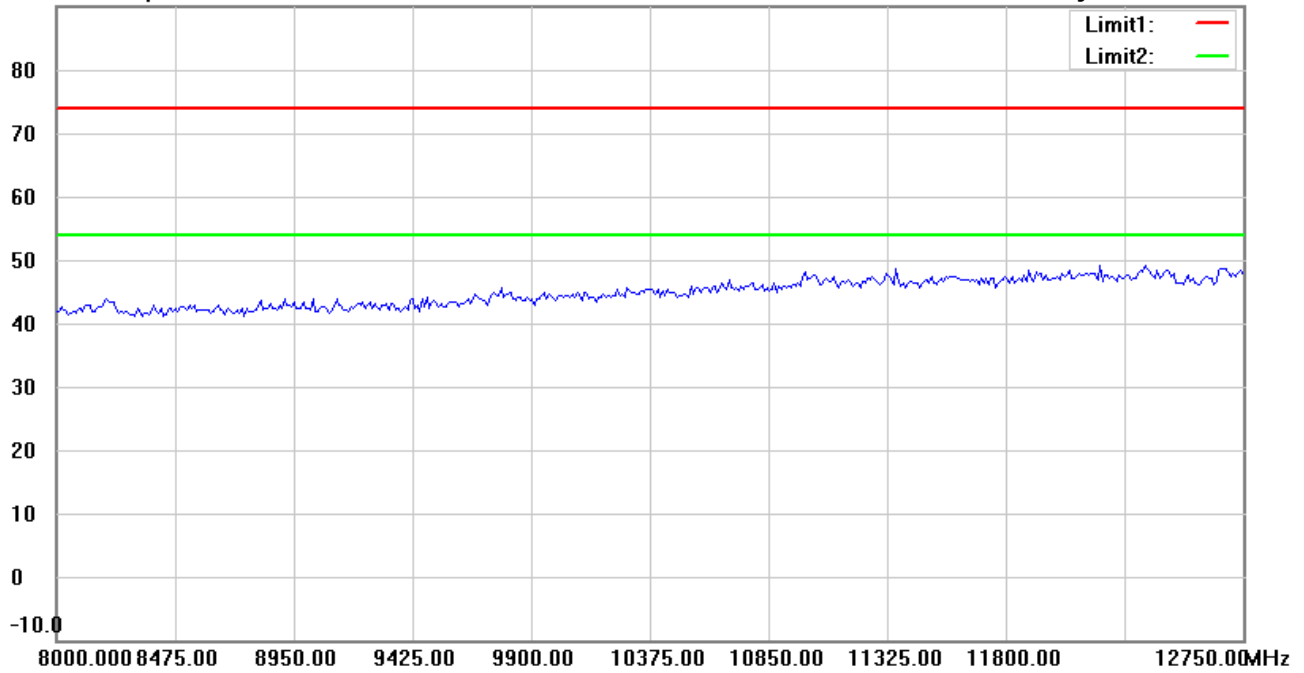
Date: 12/16/2021

Temperature:22.9 °C

90.0 dBuV/m

Time: 9:17:41 PM

Humidity:59.6 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : WCDMA Band 2 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#6

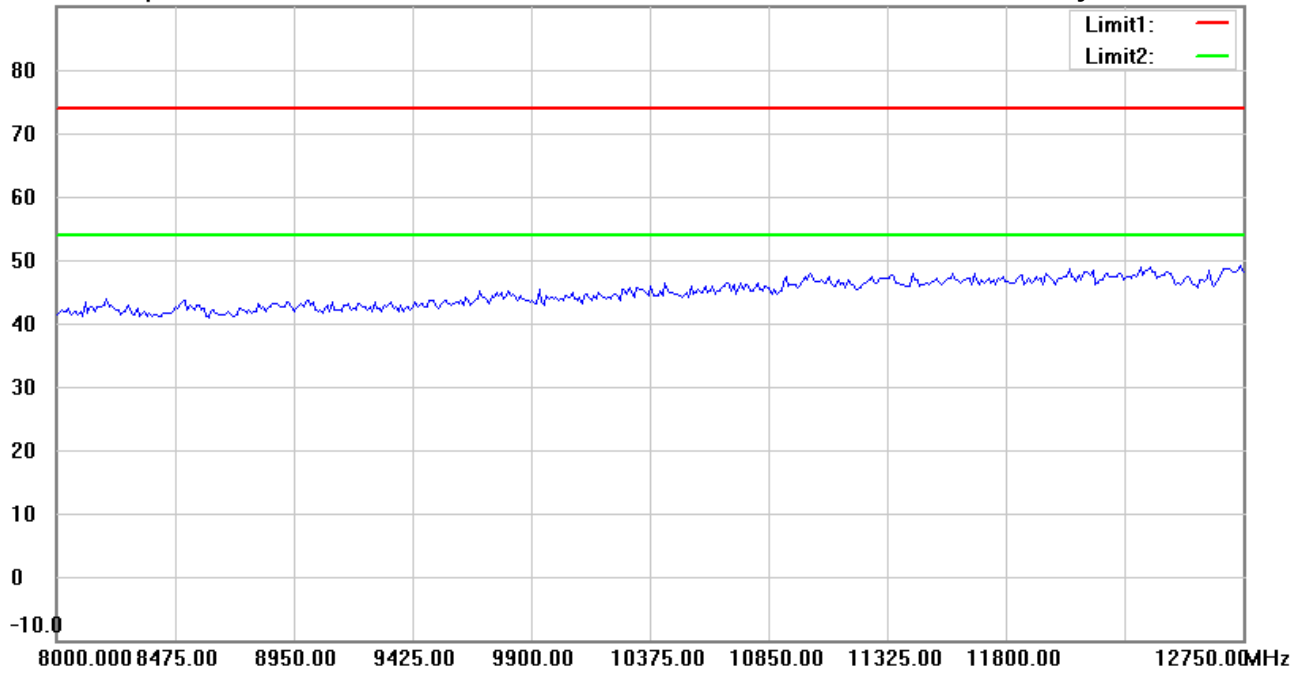
Date: 12/16/2021

Temperature:22.9 °C

90.0 dBuV/m

Time: 9:21:49 PM

Humidity:59.6 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : WCDMA Band 2 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#3

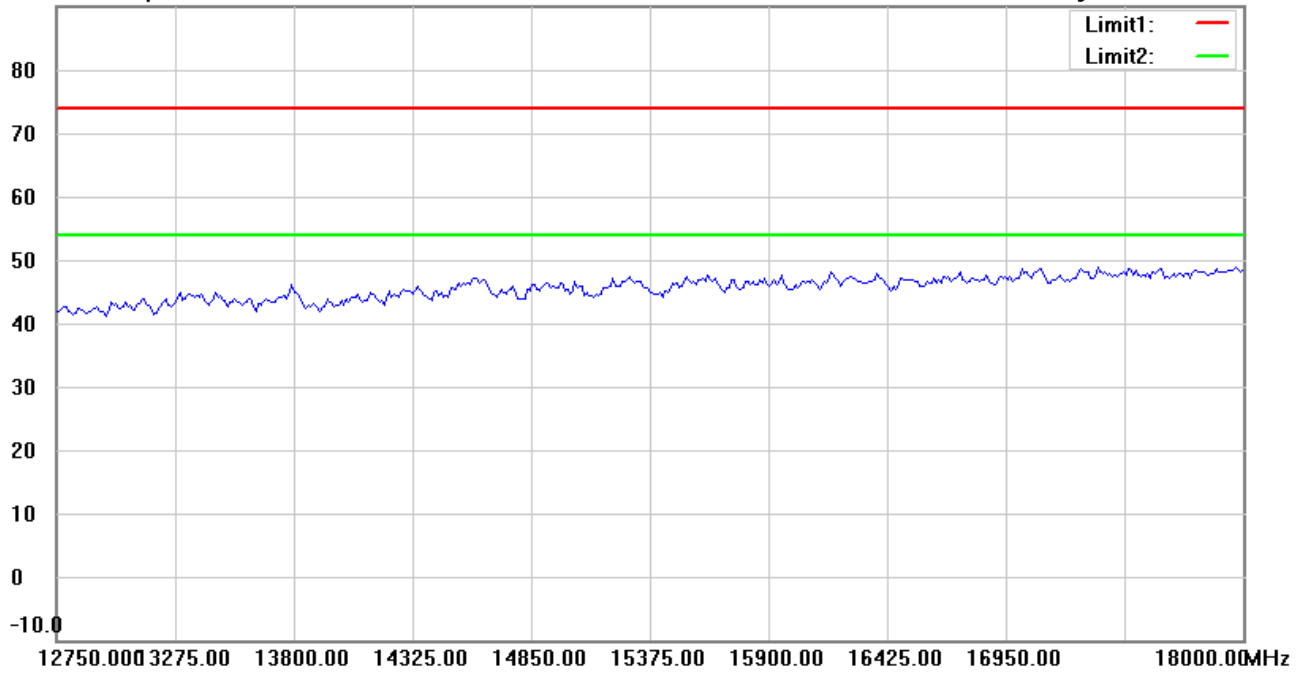
Date: 12/16/2021

Temperature:22.9 °C

90.0 dBuV/m

Time: 9:18:39 PM

Humidity:59.6 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : WCDMA Band 2 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#7

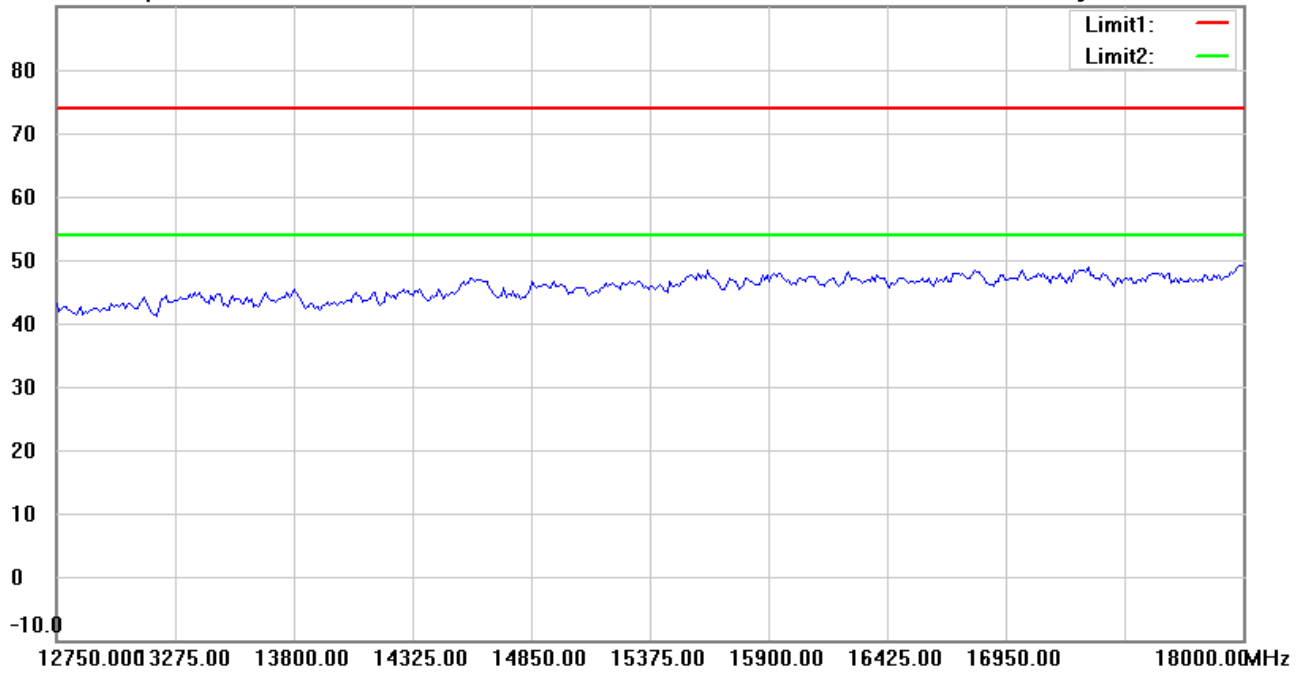
Date: 12/16/2021

Temperature:22.9 °C

90.0 dBuV/m

Time: 9:22:47 PM

Humidity:59.6 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : WCDMA Band 2 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#4

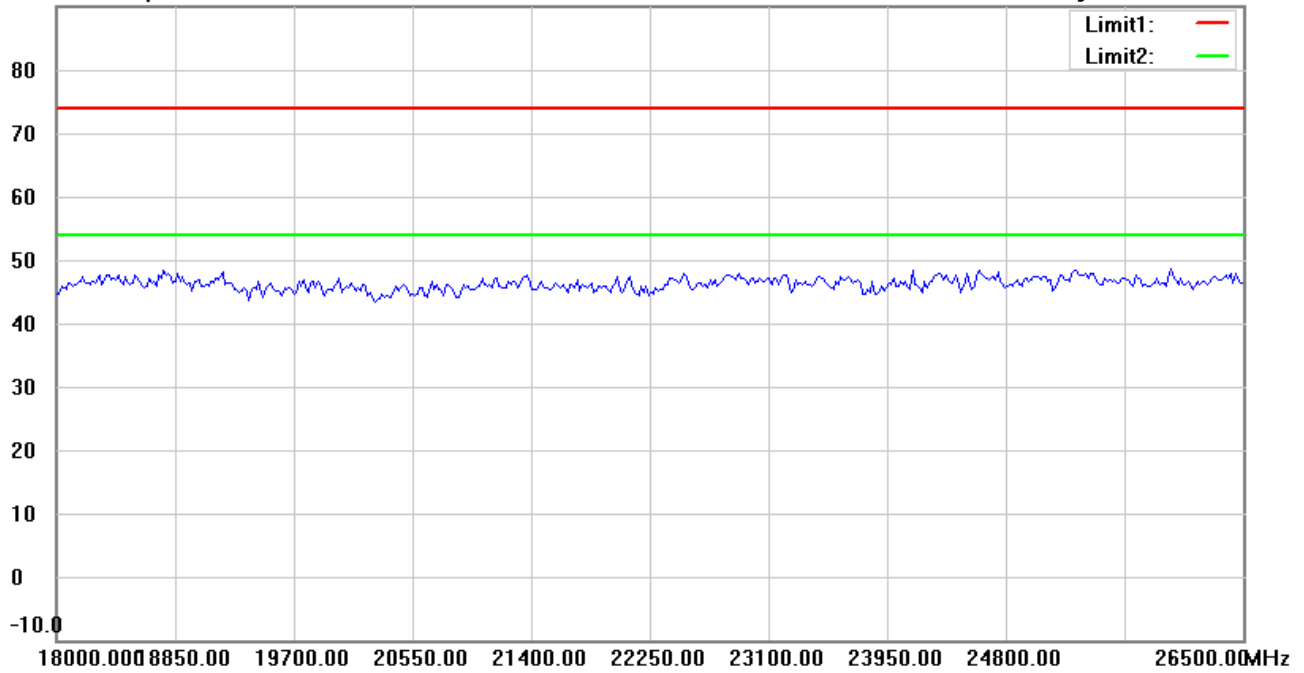
Date: 12/16/2021

Temperature:22.9 °C

90.0 dBuV/m

Time: 9:18:48 PM

Humidity:59.6 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : WCDMA Band 2 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#8

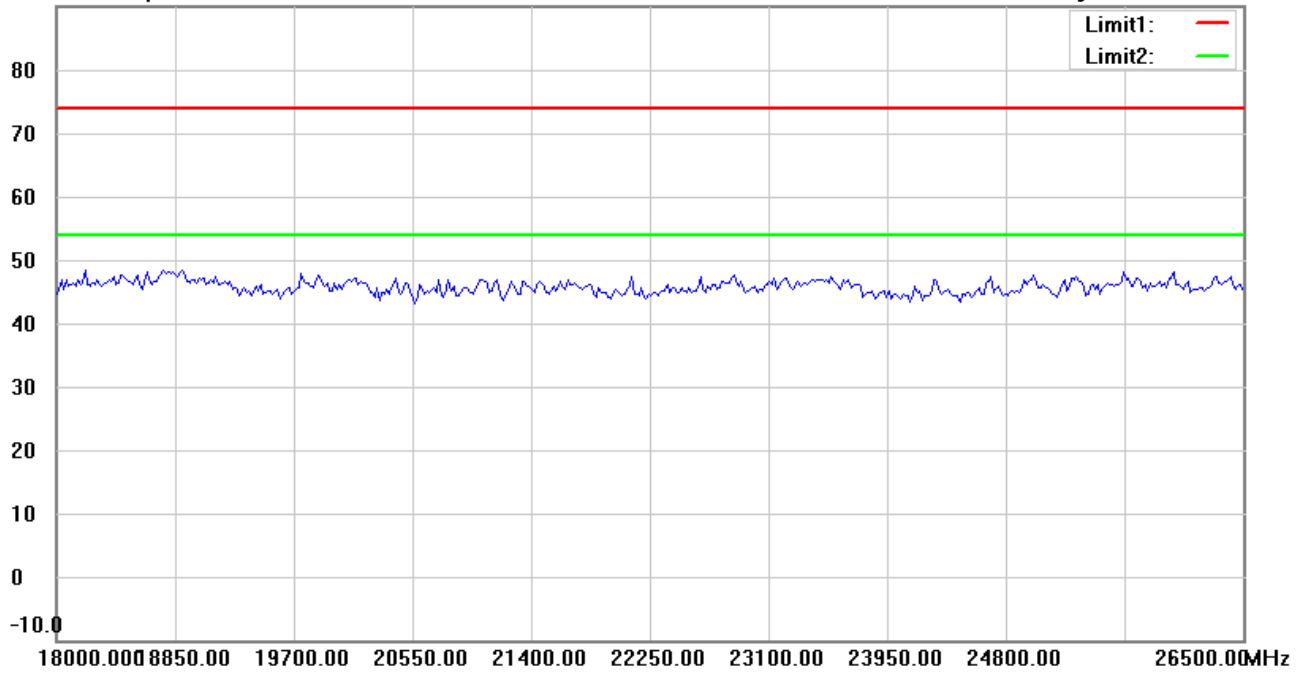
Date: 12/16/2021

Temperature:22.9 °C

90.0 dBuV/m

Time: 9:22:57 PM

Humidity:59.6 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : WCDMA Band 2 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



Radiated Emission Measurement

Operator: Allen

File :1

Data :#1

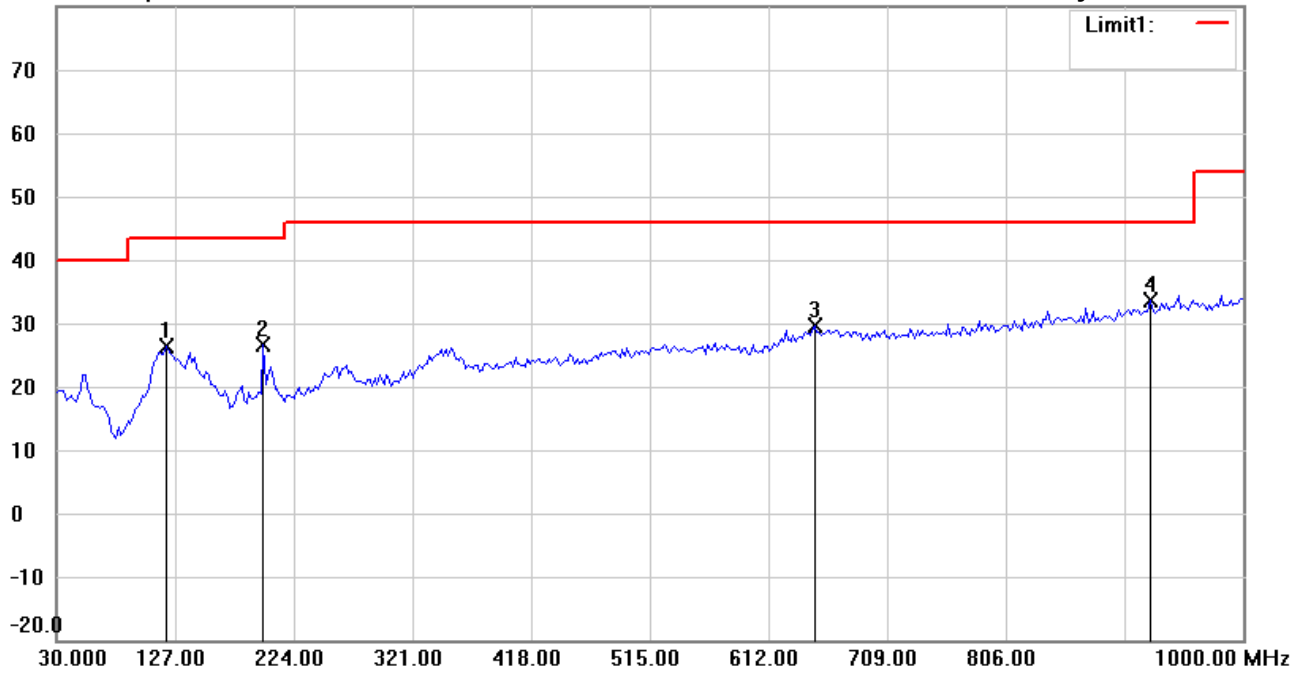
Date: 12/17/2021

Temperature:24.7 °C

80.0 dBuV/m

Time: 12:54:42 AM

Humidity:63.1 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_30-1000MHz

Polarization: *Horizontal*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : WCDMA Band 4 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	119.4188	32.62	peak	-6.30	26.32	43.50	120	79	-17.18	
	199.1182	37.10	peak	-10.52	26.58	43.50	137	260	-16.92	
	650.1001	28.22	peak	1.41	29.63	46.00	100	188	-16.37	
*	924.1884	28.57	peak	5.16	33.73	46.00	106	304	-12.27	



Radiated Emission Measurement

Operator: Allen

File :1

Data :#2

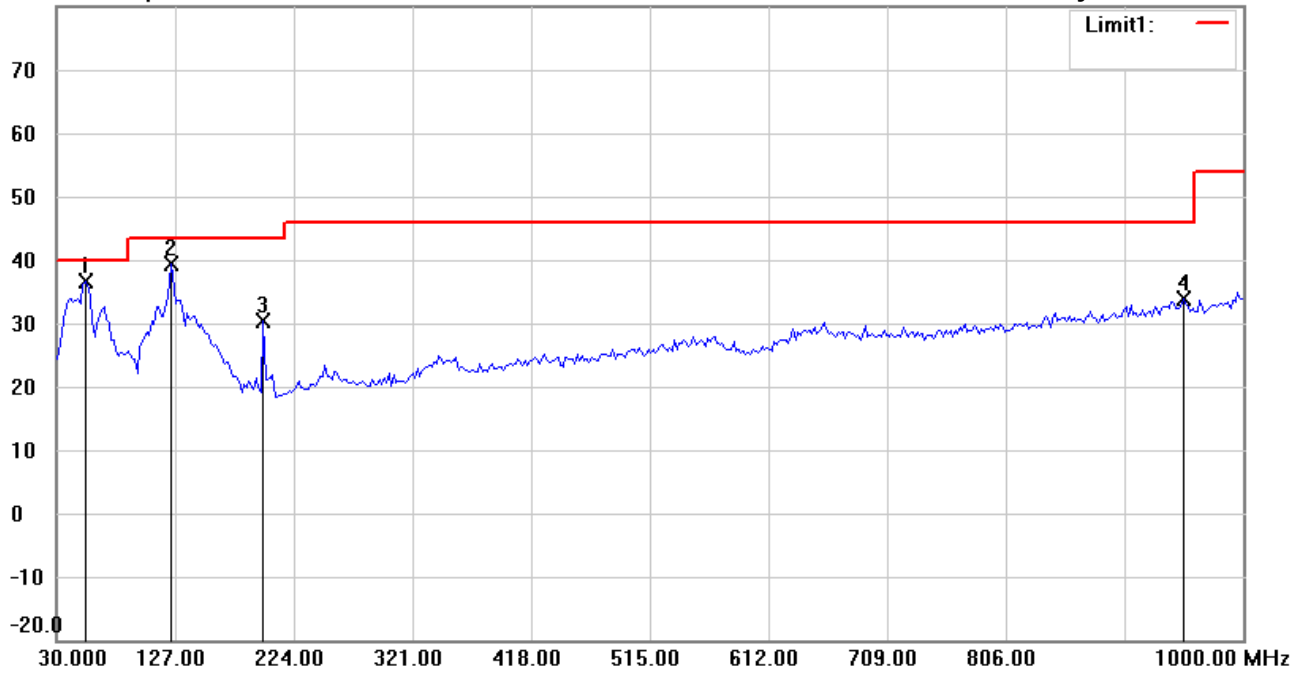
Date: 12/17/2021

Temperature:24.7 °C

80.0 dBuV/m

Time: 12:55:43 AM

Humidity:63.1 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_30-1000MHz

Polarization: **Vertical**

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : WCDMA Band 4 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	53.3267	46.78	peak	-10.24	36.54	40.00	122	82	-3.46	
	123.3066	45.63	peak	-6.16	39.47	43.50	107	310	-4.03	
	199.1182	40.94	peak	-10.52	30.42	43.50	100	45	-13.08	
	951.4028	27.91	peak	5.86	33.77	46.00	141	240	-12.23	





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Radiated Emission Measurement

Operator: Sky

File :3

Data :#1

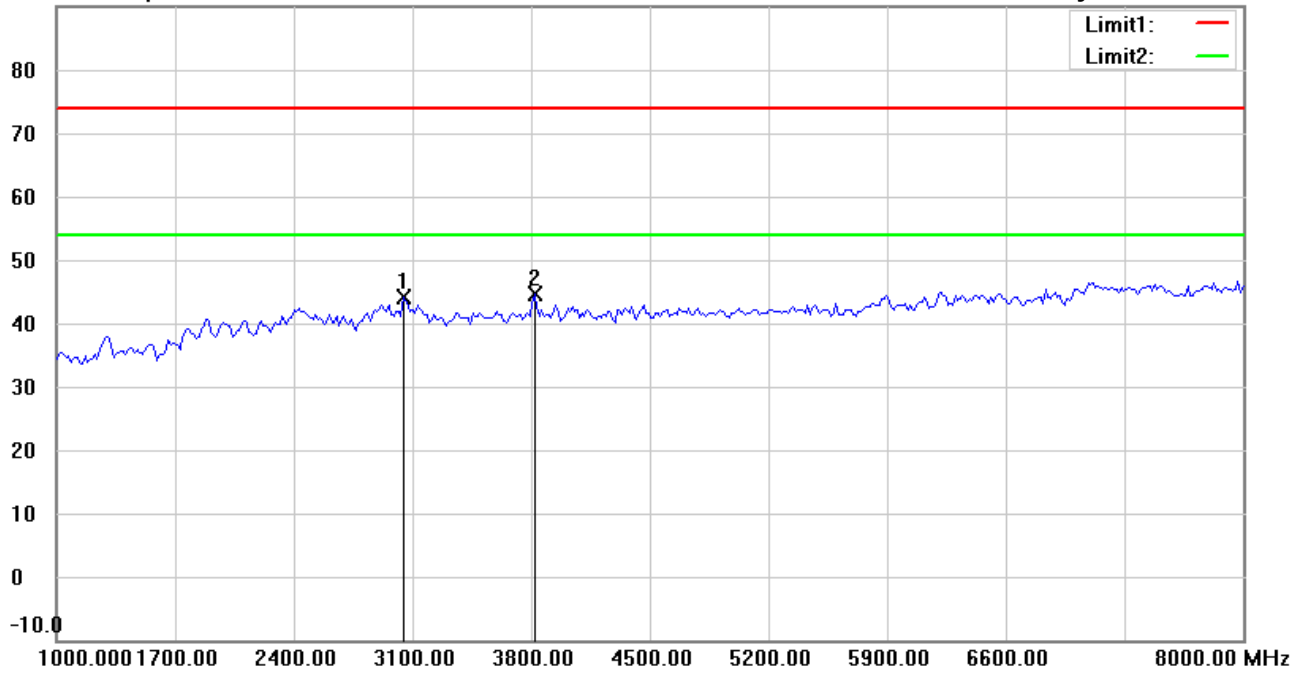
Date: 12/16/2021

Temperature:22.9 °C

90.0 dBuV/m

Time: 9:52:50 PM

Humidity:59.6 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : WCDMA Band 4 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	3048.096	43.97	peak	0.06	44.03	74.00	150	172	-29.97	
*	3819.639	43.42	peak	1.28	44.70	74.00	150	43	-29.30	

\*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#5

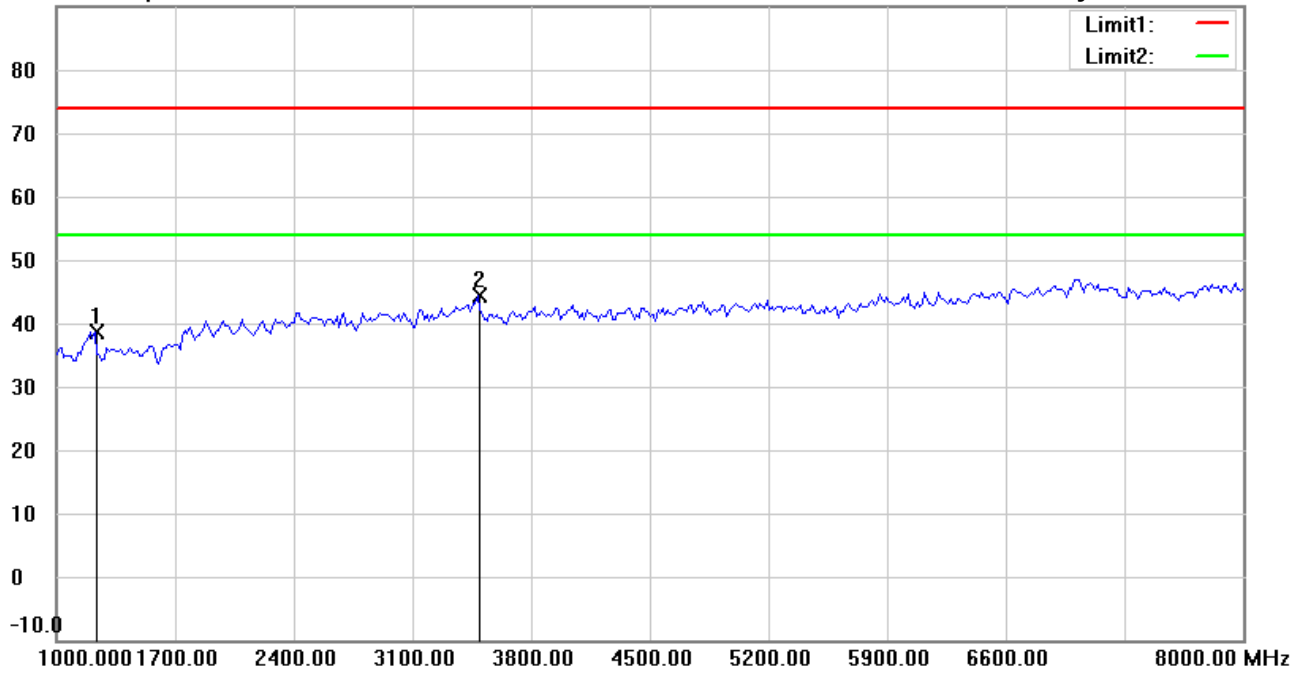
Date: 12/16/2021

Temperature:22.9 °C

90.0 dBuV/m

Time: 9:57:05 PM

Humidity:59.6 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: **Vertical**

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : WCDMA Band 4 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	1224.449	45.52	peak	-6.77	38.75	74.00	150	201	-35.25	
*	3482.966	43.67	peak	0.64	44.31	74.00	150	177	-29.69	

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#2

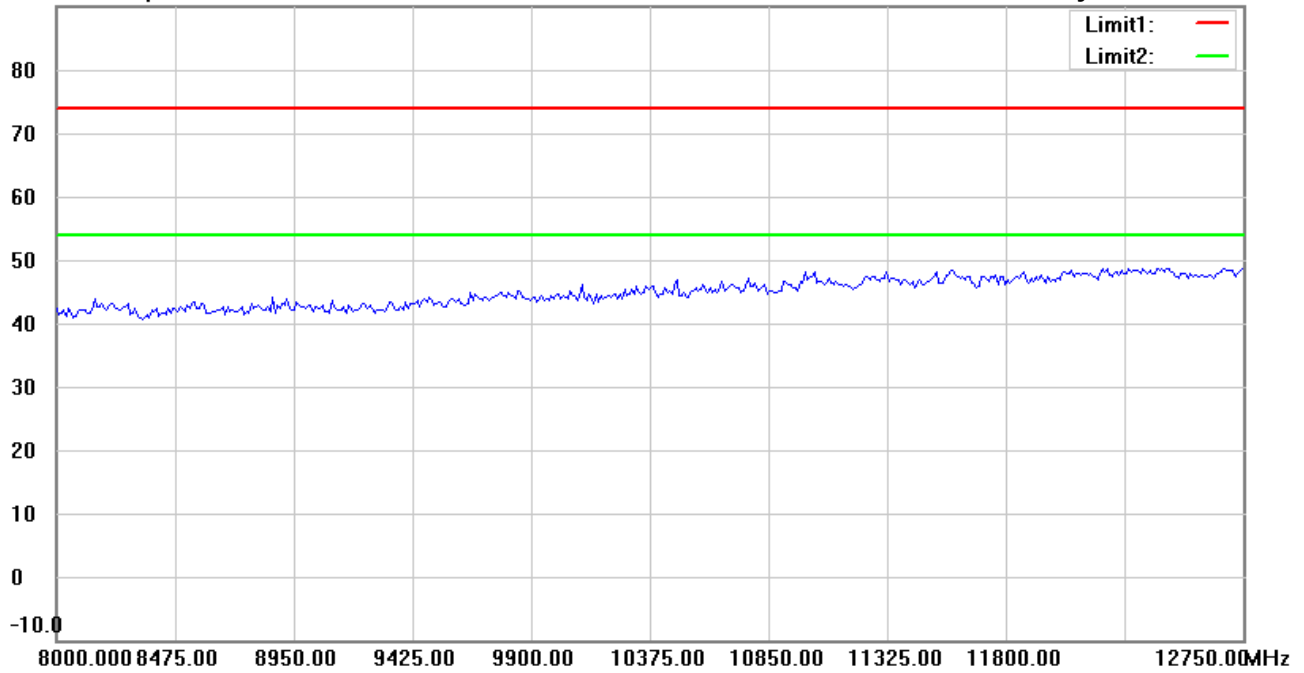
Date: 12/16/2021

Temperature:22.9 °C

90.0 dBuV/m

Time: 9:54:57 PM

Humidity:59.6 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : WCDMA Band 4 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#6

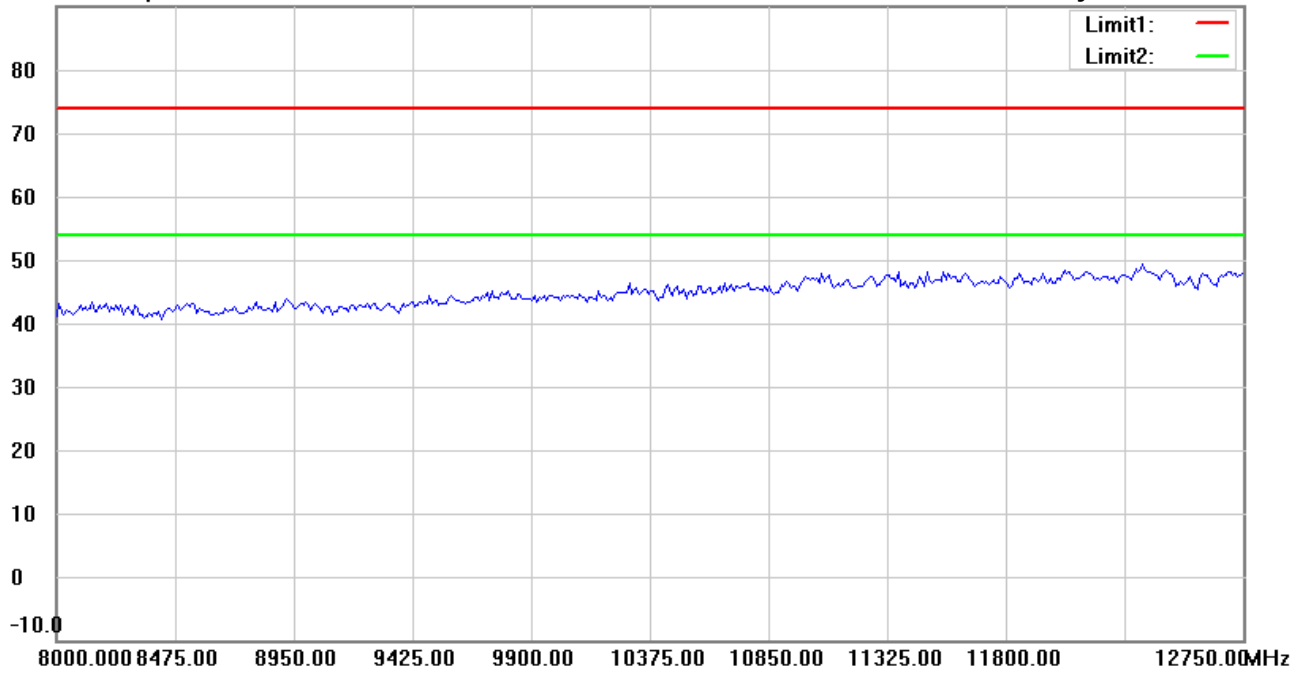
Date: 12/16/2021

Temperature:22.9 °C

90.0 dBuV/m

Time: 9:59:06 PM

Humidity:59.6 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : WCDMA Band 4 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#3

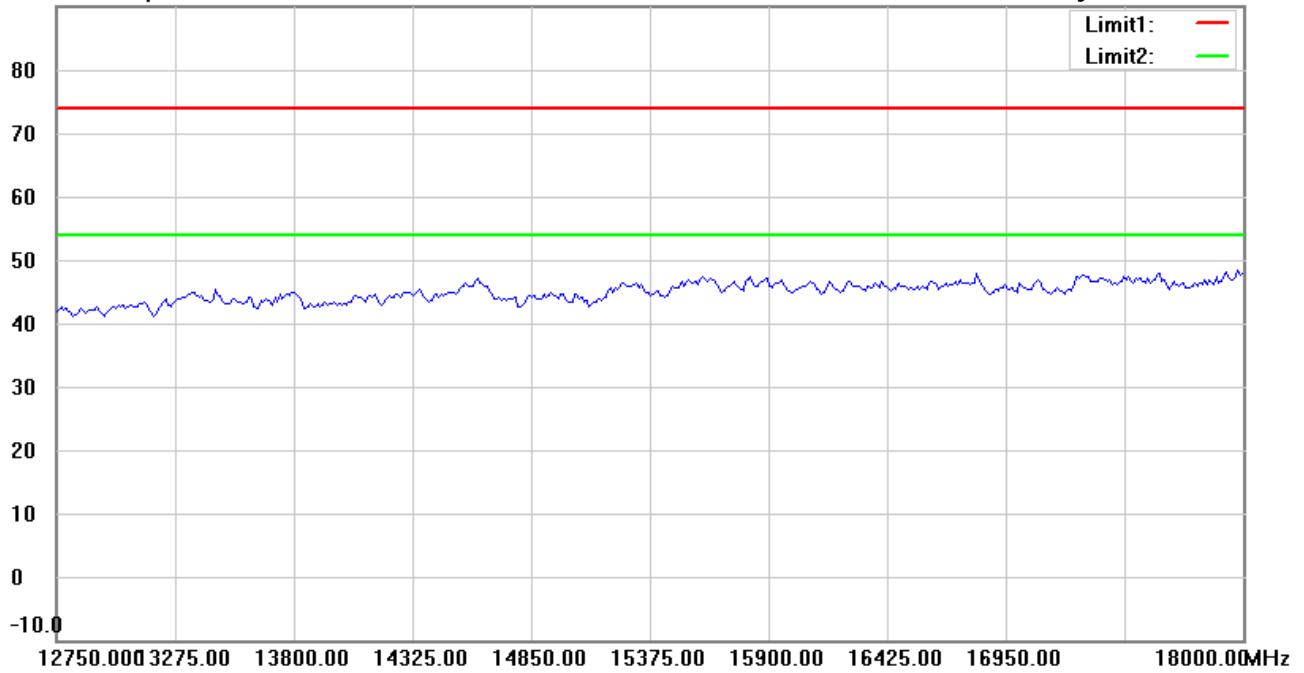
Date: 12/16/2021

Temperature:22.9 °C

90.0 dBuV/m

Time: 9:55:55 PM

Humidity:59.6 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : WCDMA Band 4 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#7

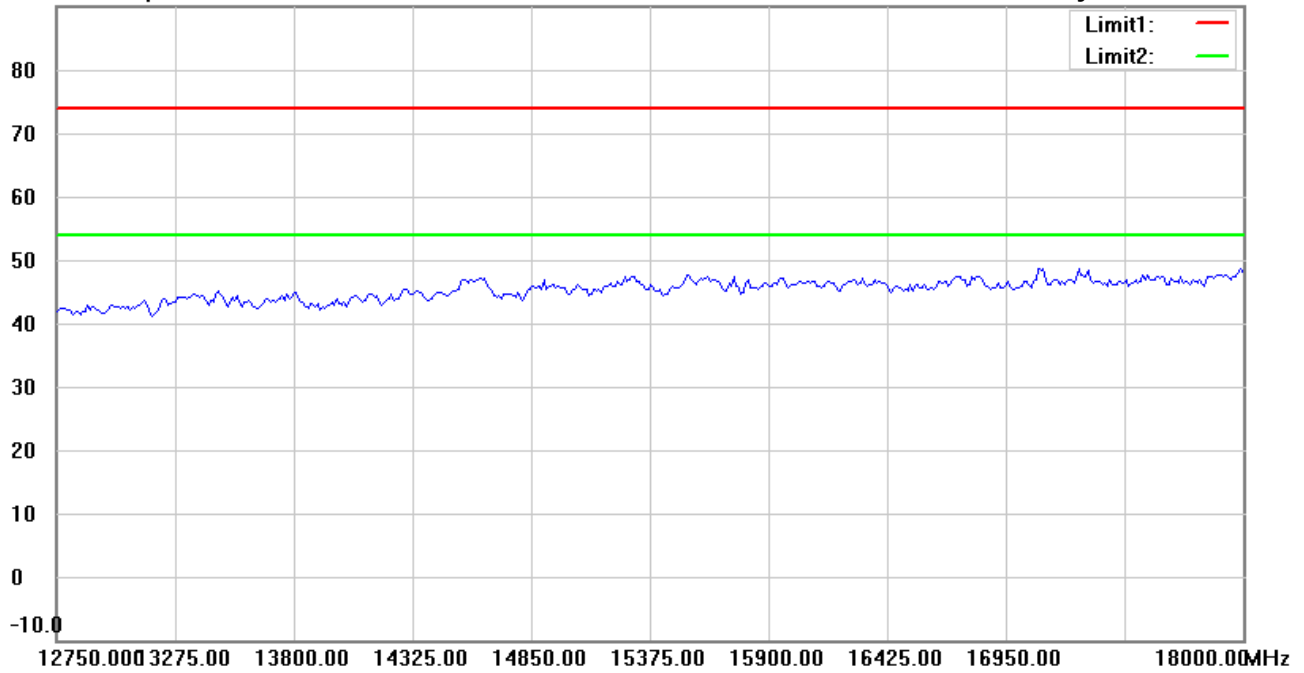
Date: 12/16/2021

Temperature:22.9 °C

90.0 dBuV/m

Time: 10:00:04 PM

Humidity:59.6 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : WCDMA Band 4 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#4

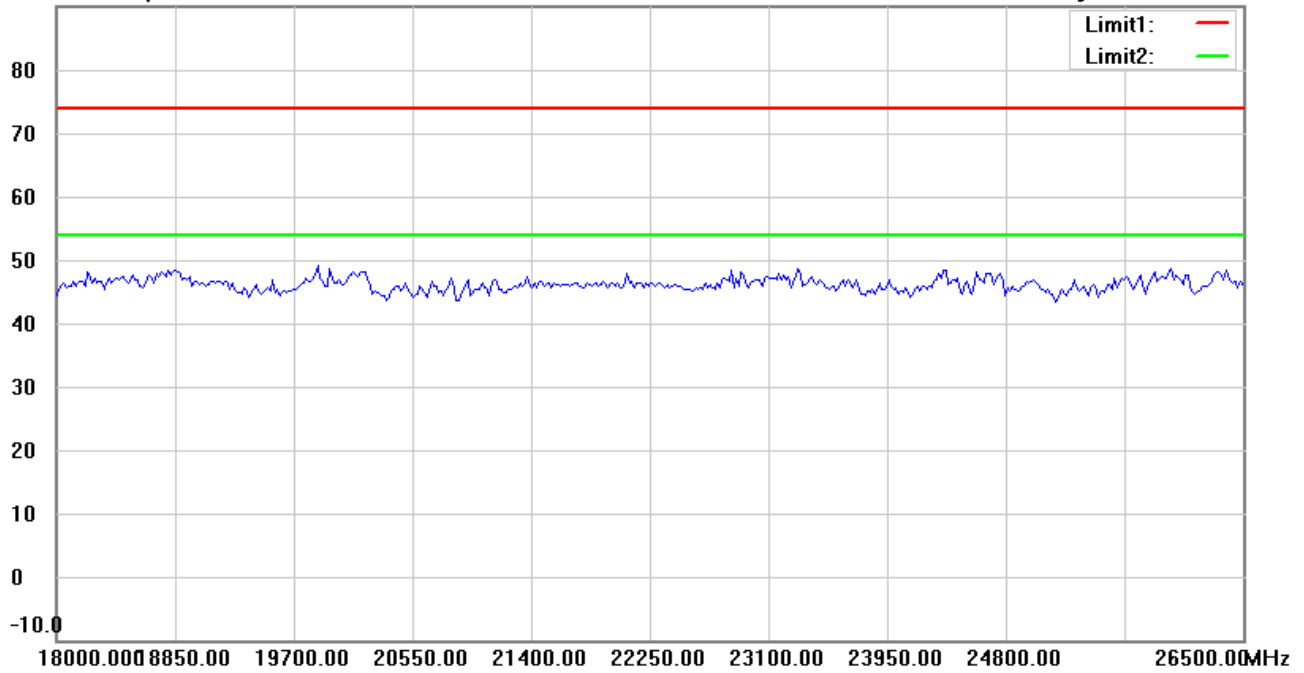
Date: 12/16/2021

Temperature:22.9 °C

90.0 dBuV/m

Time: 9:56:05 PM

Humidity:59.6 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : WCDMA Band 4 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#8

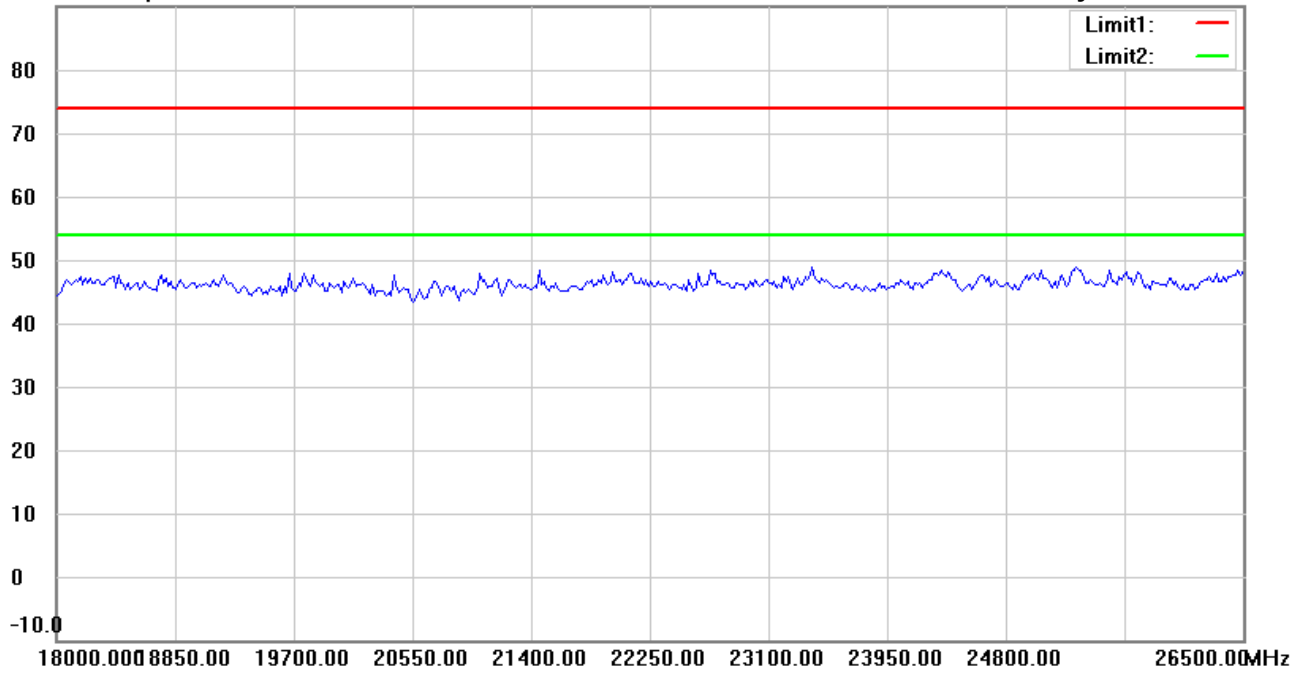
Date: 12/16/2021

Temperature:22.9 °C

90.0 dBuV/m

Time: 10:00:14 PM

Humidity:59.6 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : WCDMA Band 4 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin





Radiated Emission Measurement

Operator: Allen

File :1

Data :#1

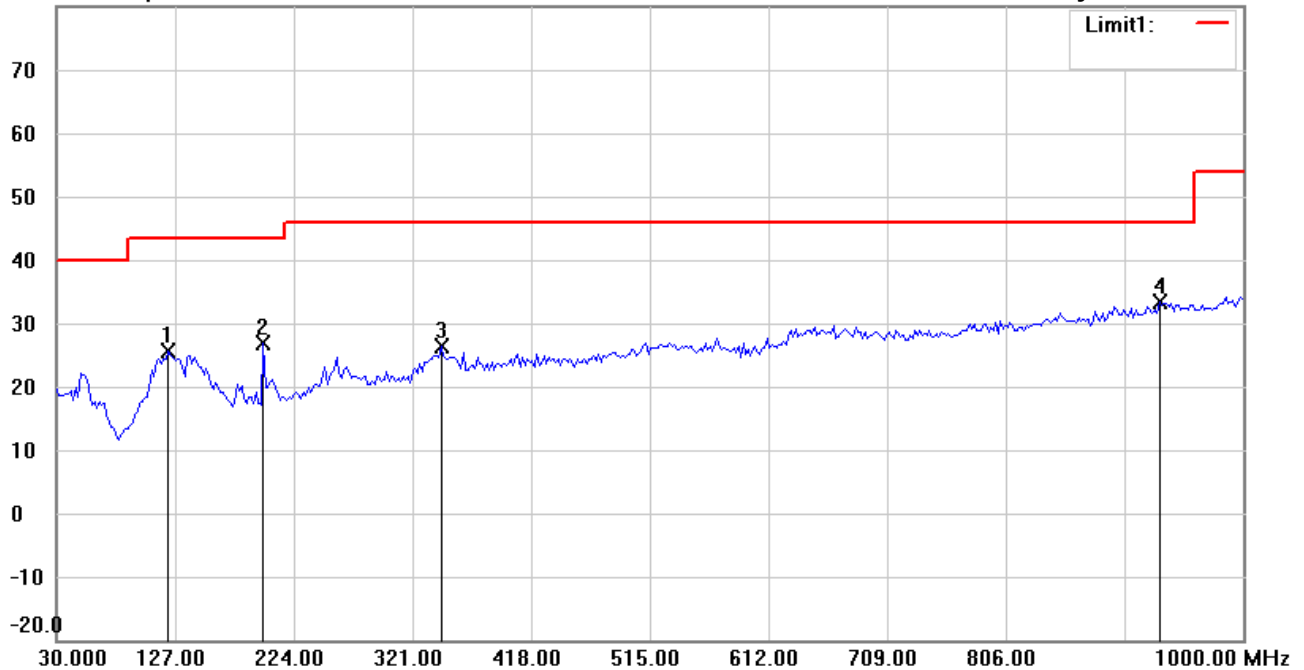
Date: 12/17/2021

Temperature:24.7 °C

80.0 dBuV/m

Time: 1:00:00 AM

Humidity:63.1 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_30-1000MHz

Polarization: *Horizontal*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : WCDMA Band 5 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	121.3627	31.89	peak	-6.21	25.68	43.50	100	269	-17.82	
	199.1182	37.39	peak	-10.52	26.87	43.50	143	35	-16.63	
	344.9098	31.13	peak	-4.72	26.41	46.00	107	301	-19.59	
*	931.9638	27.96	peak	5.36	33.32	46.00	120	140	-12.68	



Radiated Emission Measurement

Operator: Allen

File :1

Data :#2

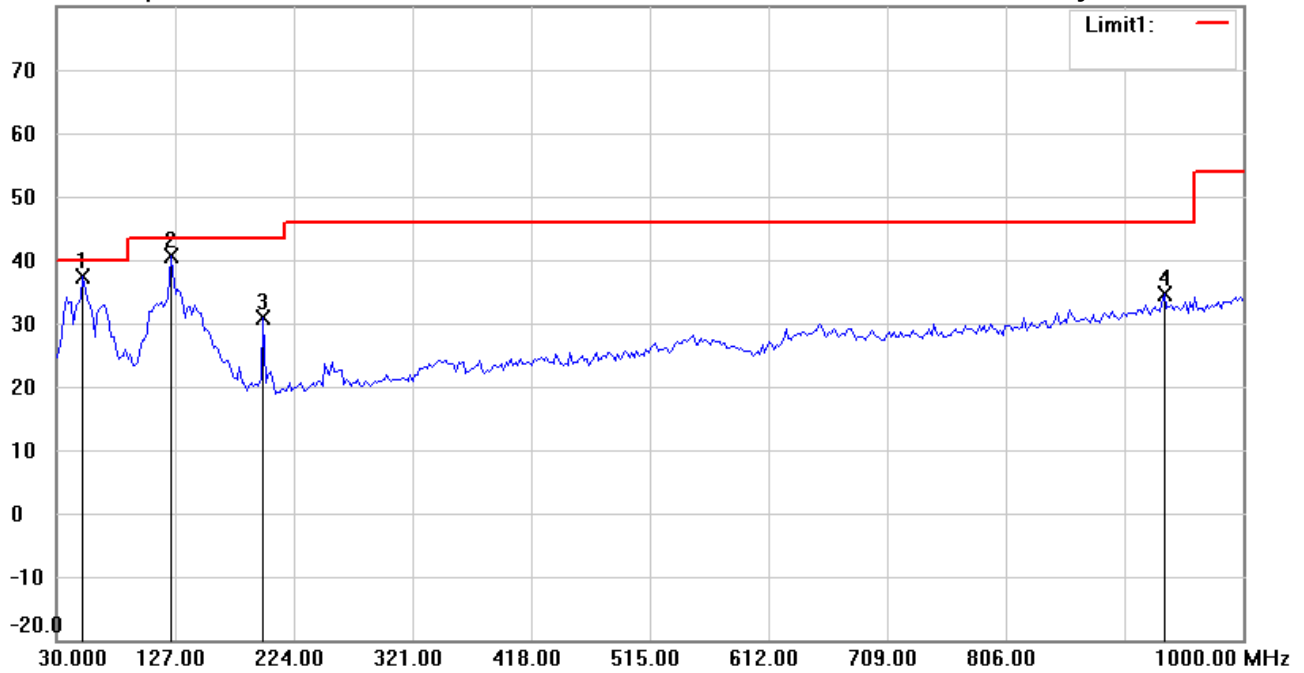
Date: 12/17/2021

Temperature:24.7 °C

80.0 dBuV/m

Time: 1:01:01 AM

Humidity:63.1 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_30-1000MHz

Polarization: *Vertical*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : WCDMA Band 5 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	51.3828	47.34	QP	-9.91	37.43	40.00	100	15	-2.57	
	123.3066	46.84	QP	-6.16	40.68	43.50	136	310	-2.82	
	199.1182	41.28	peak	-10.52	30.76	43.50	110	182	-12.74	
	935.8517	29.09	peak	5.46	34.55	46.00	128	60	-11.45	



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#1

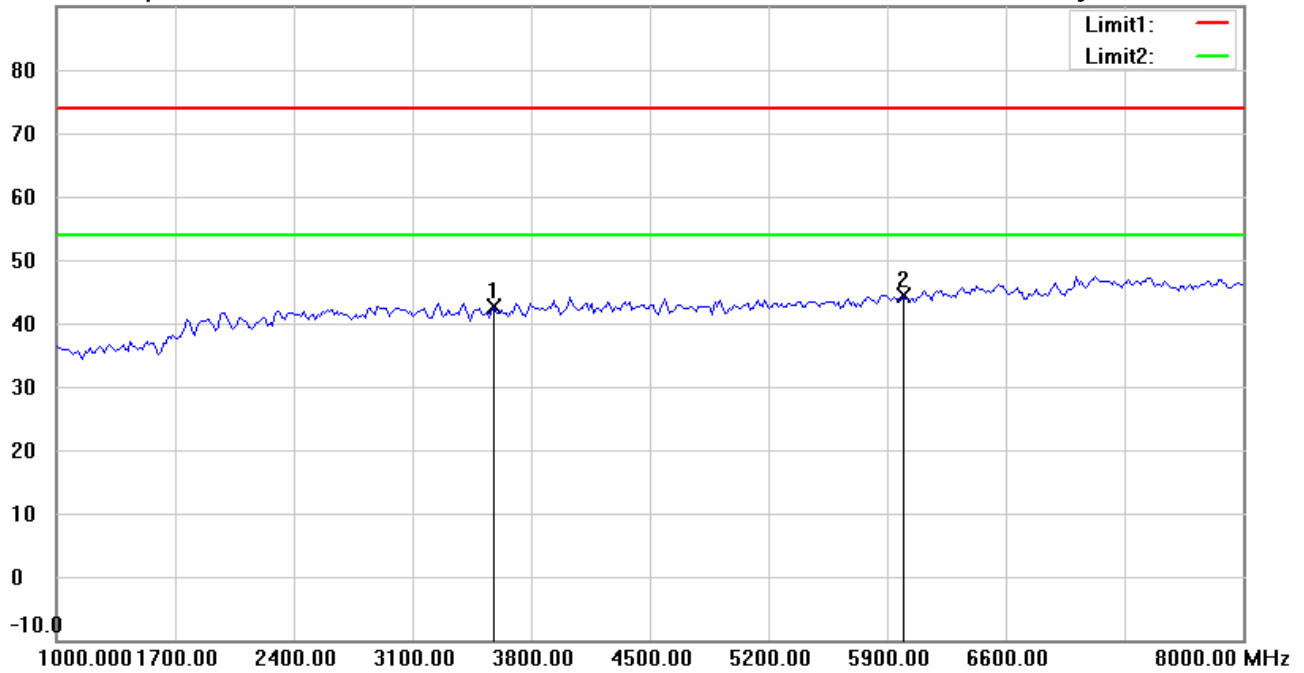
Date: 12/16/2021

Temperature:22.9 °C

90.0 dBuV/m

Time: 10:08:07 PM

Humidity:59.6 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : WCDMA Band 5 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	3581.162	41.68	peak	0.89	42.57	74.00	150	38	-31.43	
*	5993.988	40.71	peak	3.68	44.39	74.00	150	219	-29.61	

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#3

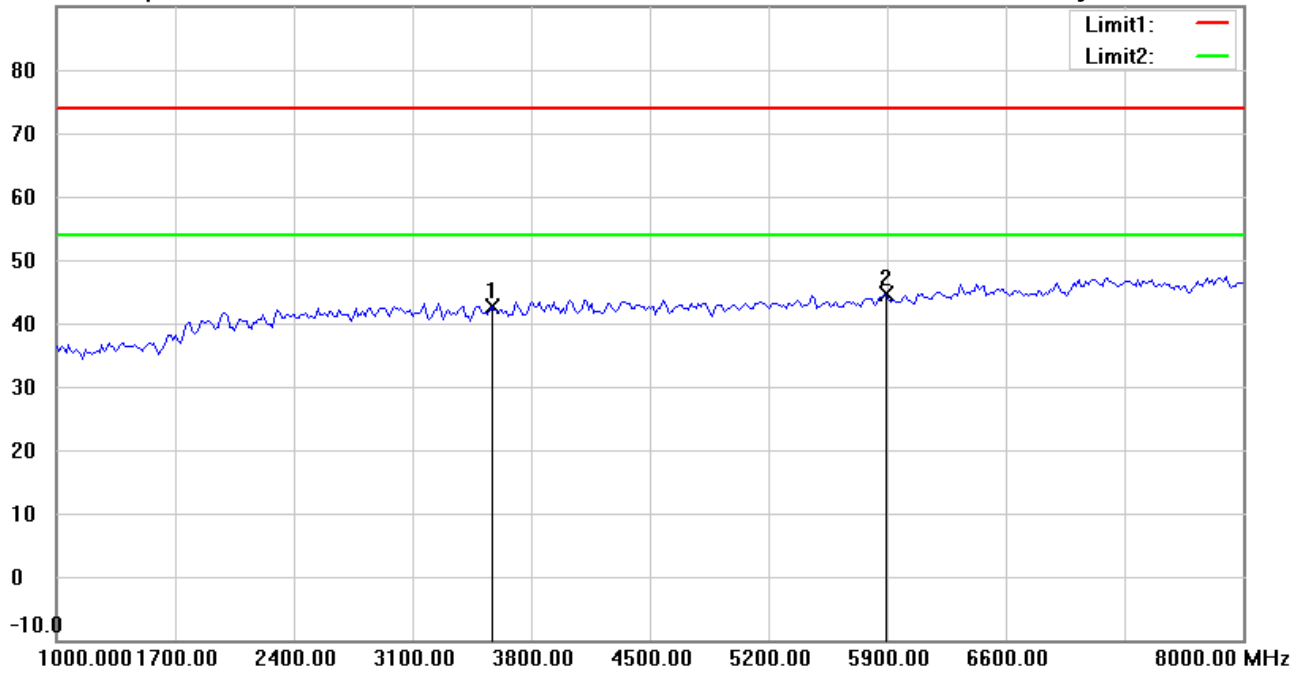
Date: 12/16/2021

Temperature:22.9 °C

90.0 dBuV/m

Time: 10:11:12 PM

Humidity:59.6 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : WCDMA Band 5 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	3567.134	41.78	peak	0.85	42.63	74.00	150	113	-31.37	
*	5881.764	40.66	peak	3.86	44.52	74.00	150	42	-29.48	

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#2

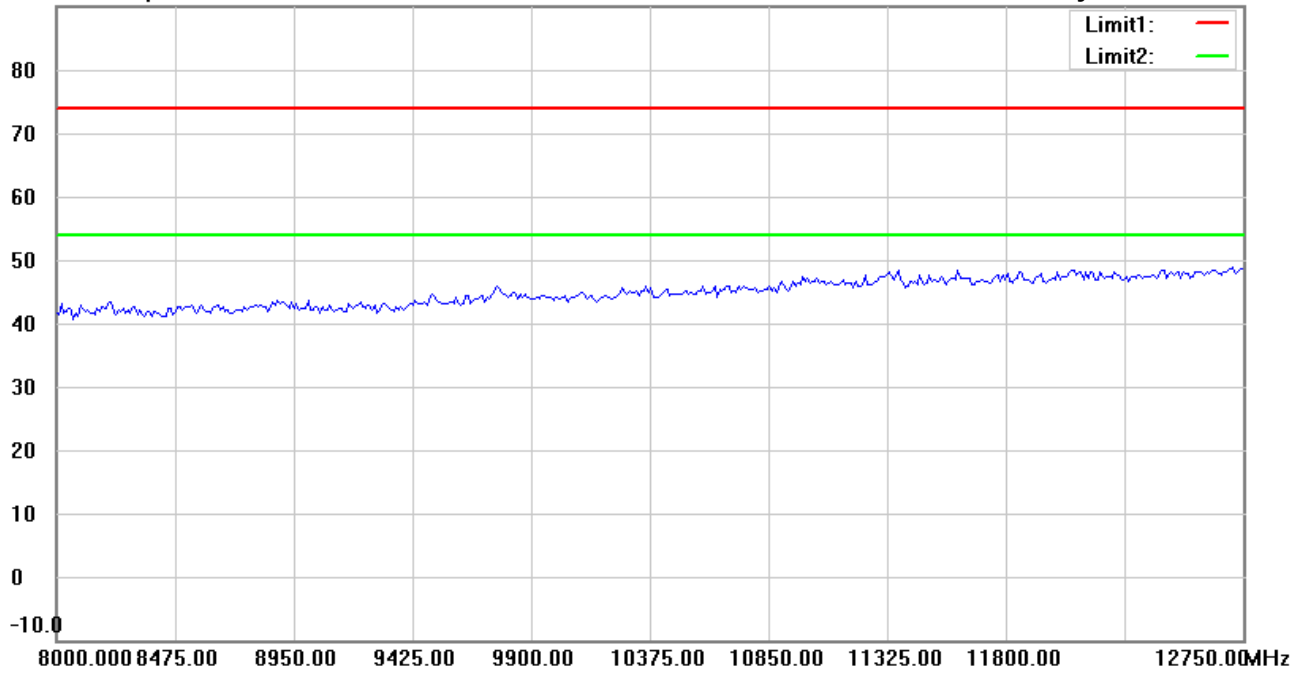
Date: 12/16/2021

Temperature:22.9 °C

90.0 dBuV/m

Time: 10:09:29 PM

Humidity:59.6 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : WCDMA Band 5 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#4

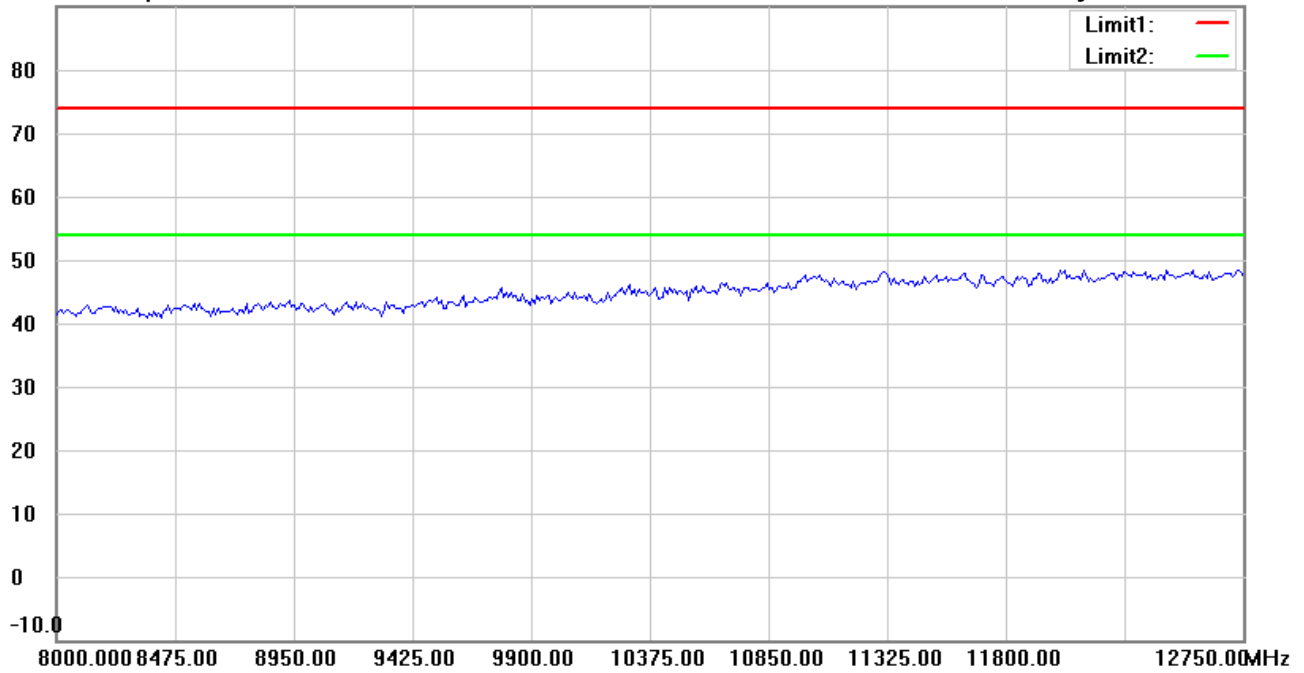
Date: 12/16/2021

Temperature:22.9 °C

90.0 dBuV/m

Time: 10:12:32 PM

Humidity:59.6 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : WCDMA Band 5 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



Radiated Emission Measurement

Operator: Allen

File :1

Data :#1

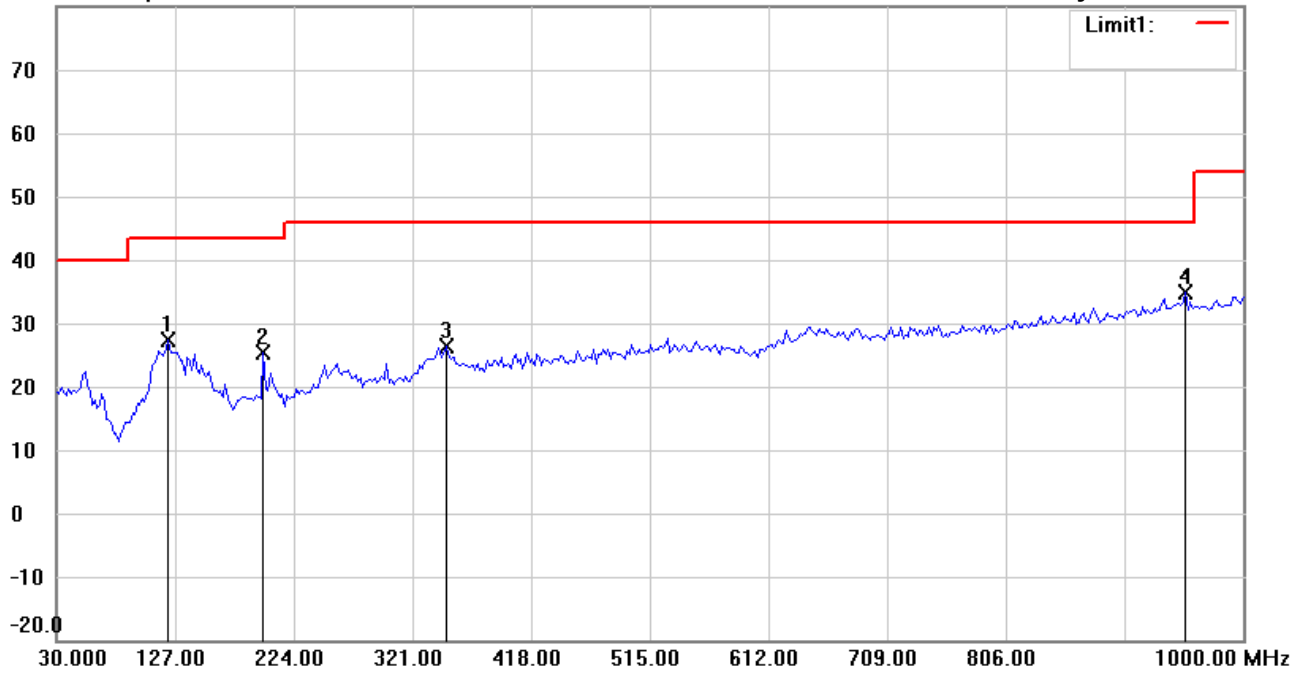
Date: 12/17/2021

Temperature:24.7 °C

80.0 dBuV/m

Time: 12:28:44 AM

Humidity:63.1 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_30-1000MHz

Polarization: *Horizontal*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : LTE Band 2 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	121.3627	33.49	peak	-6.21	27.28	43.50	100	172	-16.22	
	199.1182	35.87	peak	-10.52	25.35	43.50	112	30	-18.15	
	348.7974	31.14	peak	-4.66	26.48	46.00	143	340	-19.52	
*	953.3467	28.90	peak	5.90	34.80	46.00	110	115	-11.20	



Radiated Emission Measurement

Operator: Allen

File :1

Data :#2

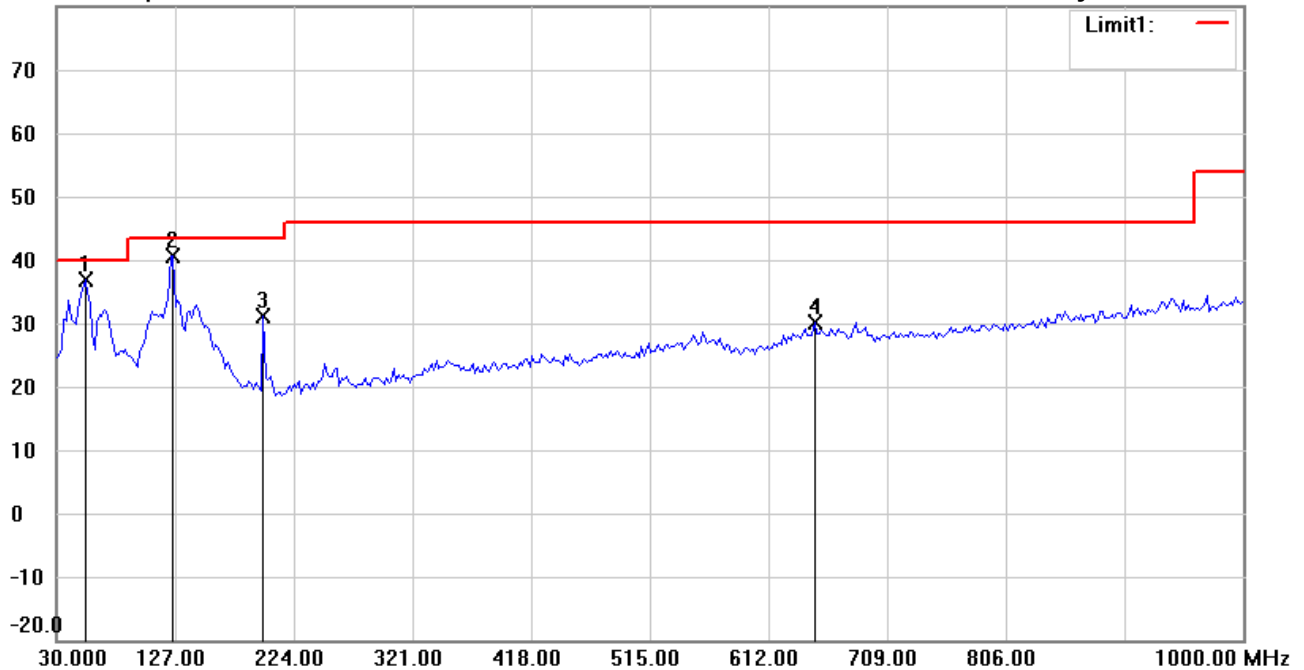
Date: 12/17/2021

Temperature:24.7 °C

80.0 dBuV/m

Time: 12:29:45 AM

Humidity:63.1 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_30-1000MHz

Polarization: **Vertical**

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : LTE Band 2 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	53.3267	47.06	peak	-10.24	36.82	40.00	125	72	-3.18	
*	125.2505	46.84	QP	-6.10	40.74	43.50	100	340	-2.76	
	199.1182	41.69	peak	-10.52	31.17	43.50	116	185	-12.33	
	650.1001	28.79	peak	1.41	30.20	46.00	110	20	-15.80	





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 Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Sky

File :3

Data :#1

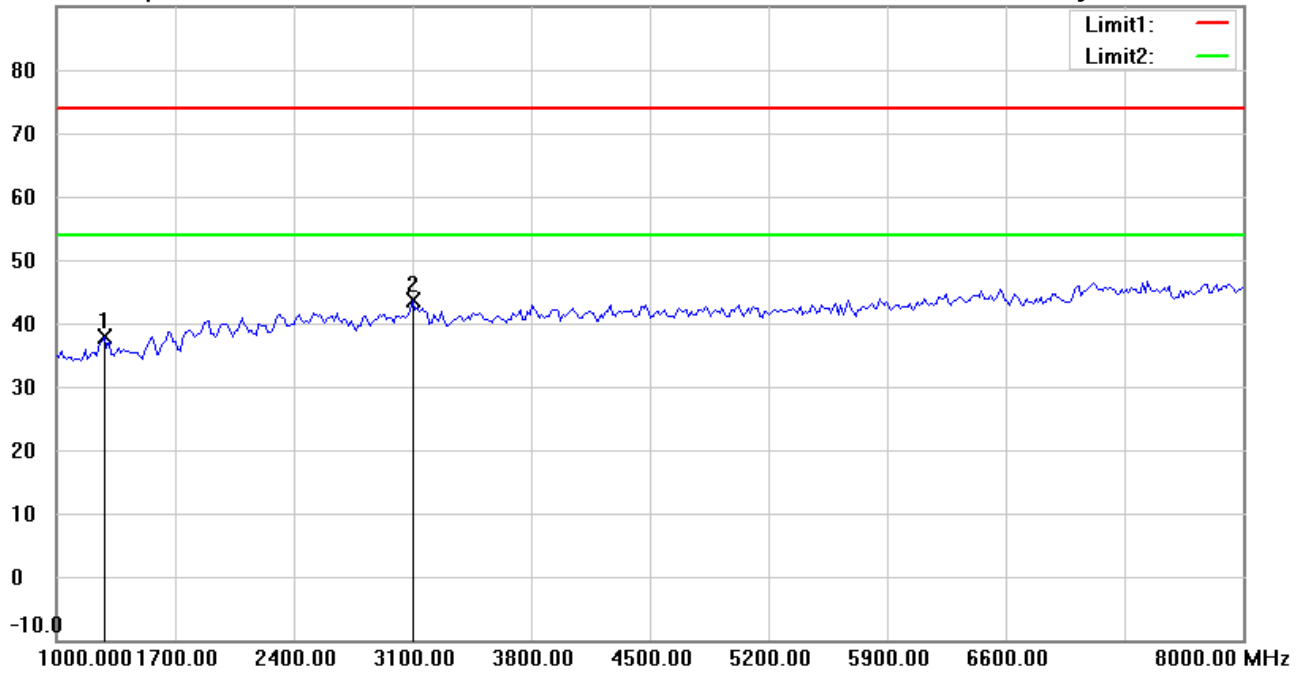
Date: 12/16/2021

Temperature:22.9 °C

90.0 dBuV/m

Time: 8:45:53 PM

Humidity:59.6 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : LTE Band 2 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	1280.561	44.04	peak	-6.23	37.81	74.00	150	80	-36.19	
*	3104.208	43.65	peak	-0.03	43.62	74.00	150	133	-30.38	

\*:Maximum data    x:Over limit    !:over margin



Radiated Emission Measurement

Operator: Sky

File :3

Data :#5

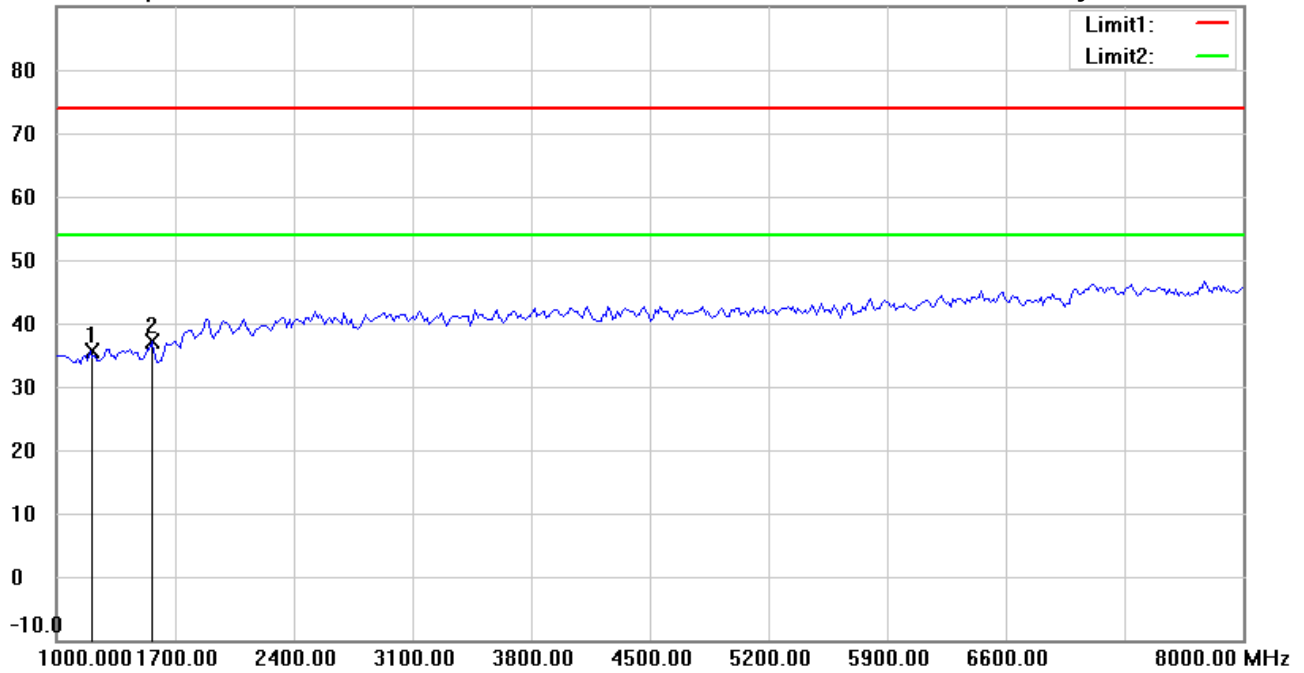
Date: 12/16/2021

Temperature:22.9 °C

90.0 dBuV/m

Time: 8:50:08 PM

Humidity:59.6 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: **Vertical**

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : LTE Band 2 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	1196.393	42.64	peak	-7.02	35.62	74.00	150	40	-38.38	
*	1561.122	43.58	peak	-6.49	37.09	74.00	150	75	-36.91	



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#2

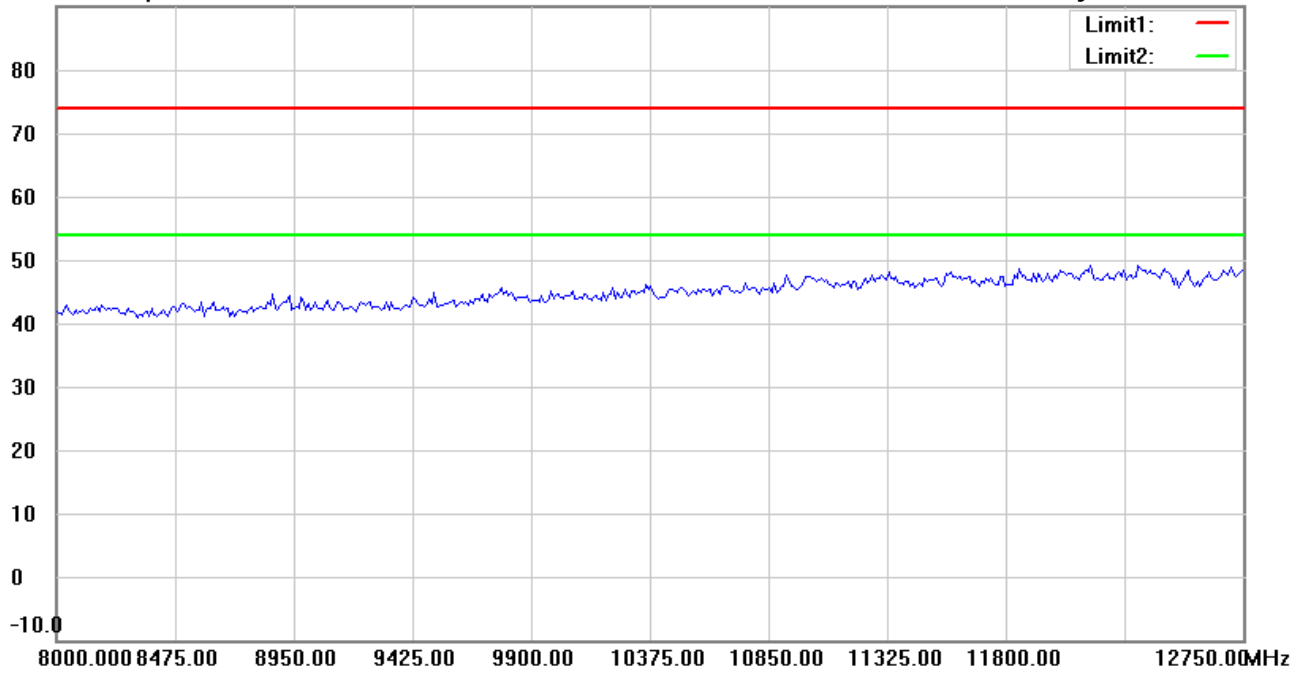
Date: 12/16/2021

Temperature:22.9 °C

90.0 dBuV/m

Time: 8:48:00 PM

Humidity:59.6 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : LTE Band 2 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#6

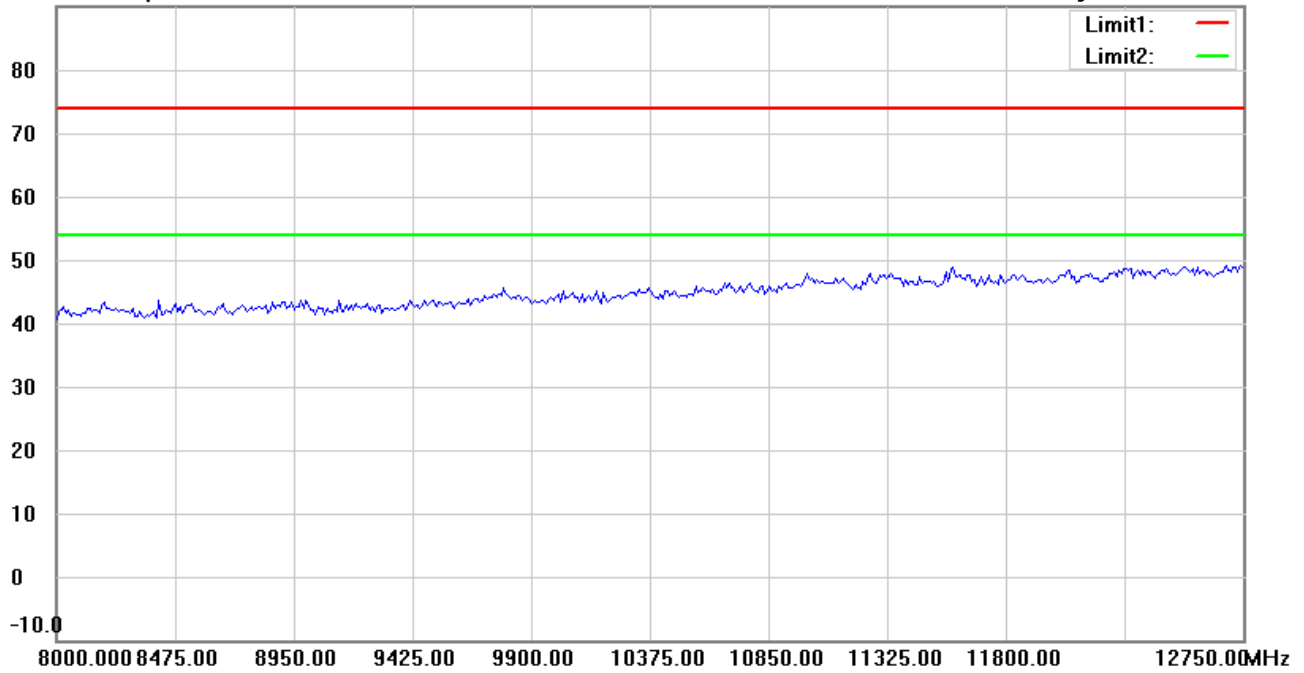
Date: 12/16/2021

Temperature:22.9 °C

90.0 dBuV/m

Time: 8:52:09 PM

Humidity:59.6 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : LTE Band 2 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#3

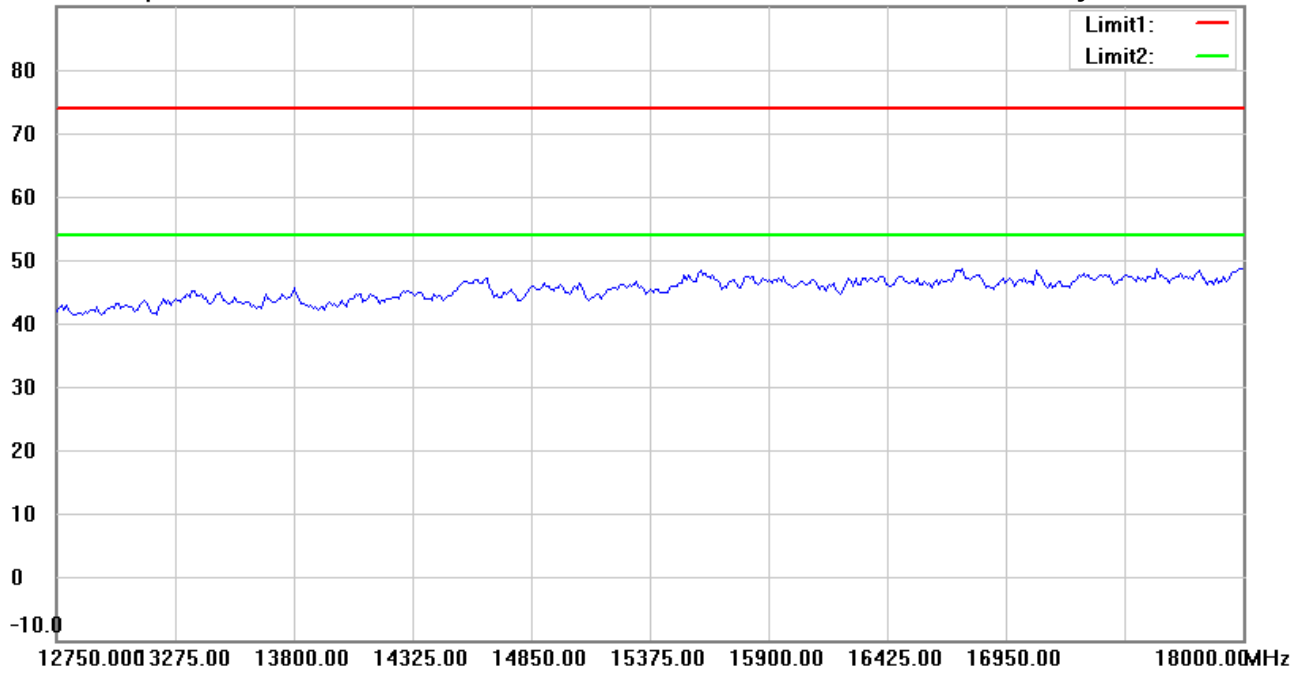
Date: 12/16/2021

Temperature:22.9 °C

90.0 dBuV/m

Time: 8:48:58 PM

Humidity:59.6 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : LTE Band 2 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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**Radiated Emission Measurement**

Operator: Sky

File :3

Data :#7

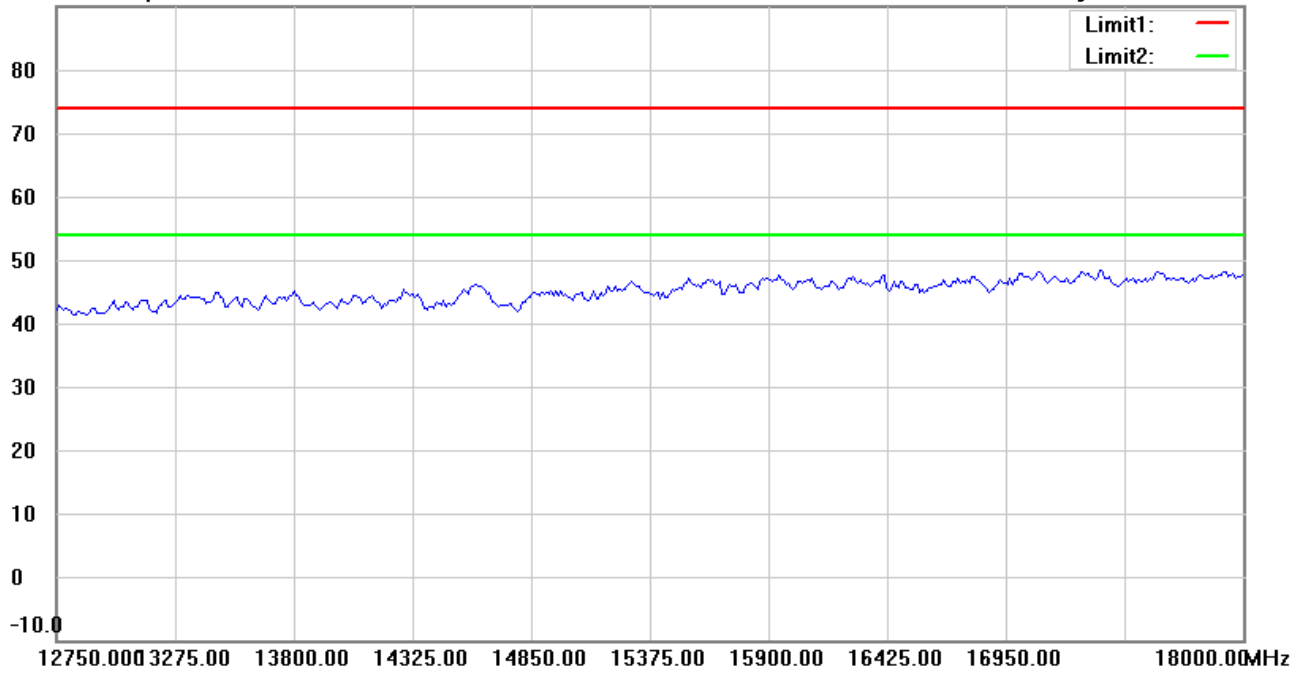
Date: 12/16/2021

Temperature:22.9 °C

90.0 dBuV/m

Time: 8:53:07 PM

Humidity:59.6 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: **Vertical**

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : LTE Band 2 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#4

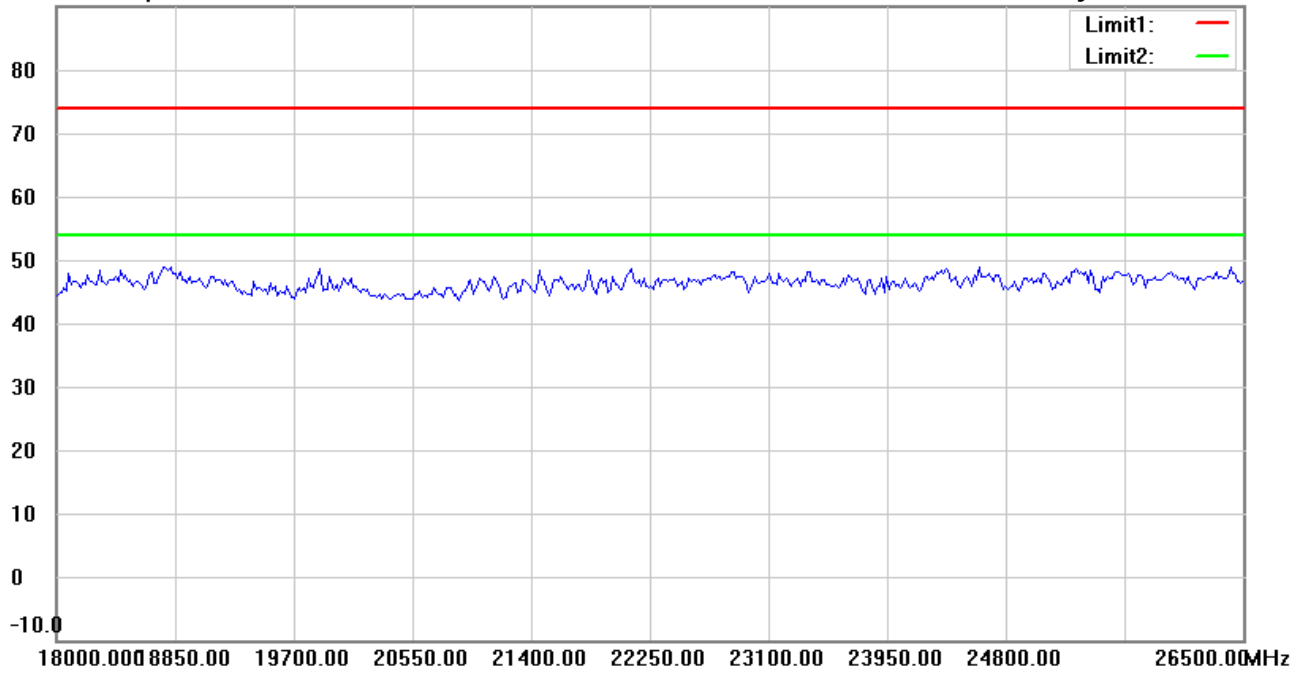
Date: 12/16/2021

Temperature:22.9 °C

90.0 dBuV/m

Time: 8:49:08 PM

Humidity:59.6 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : LTE Band 2 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#8

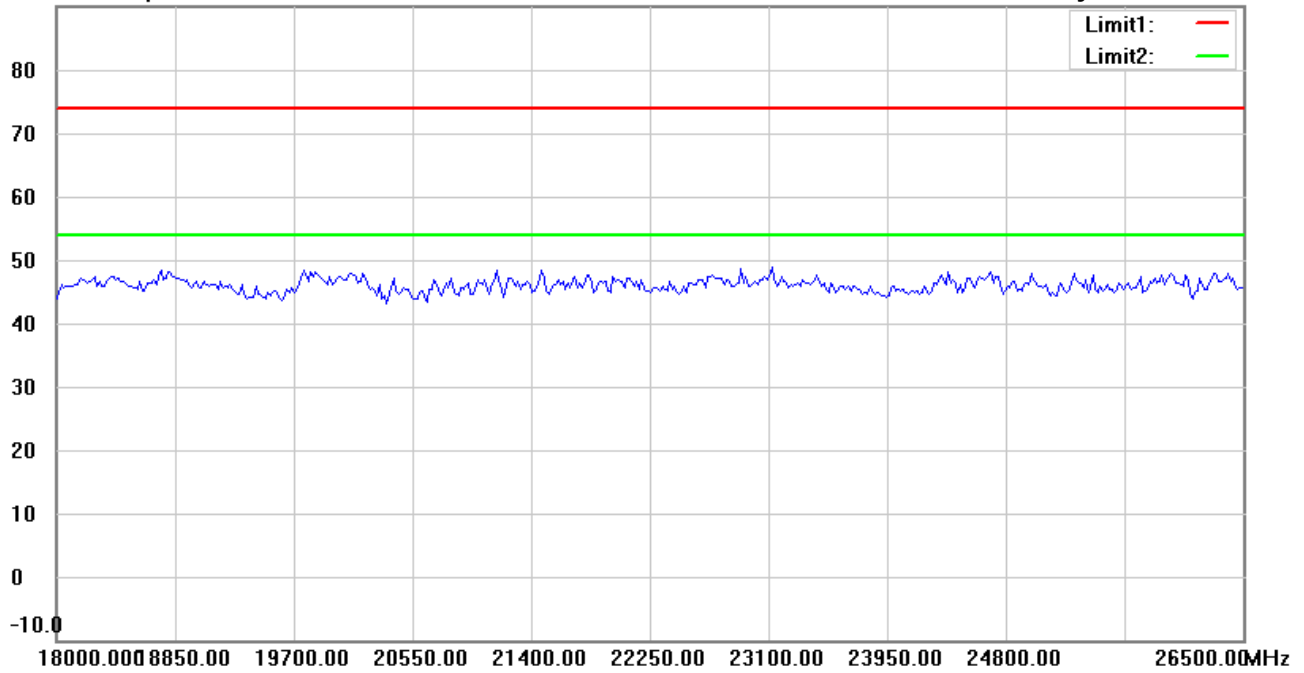
Date: 12/16/2021

Temperature:22.9 °C

90.0 dBuV/m

Time: 8:53:17 PM

Humidity:59.6 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : LTE Band 2 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin





Radiated Emission Measurement

Operator: Allen

File :1

Data :#1

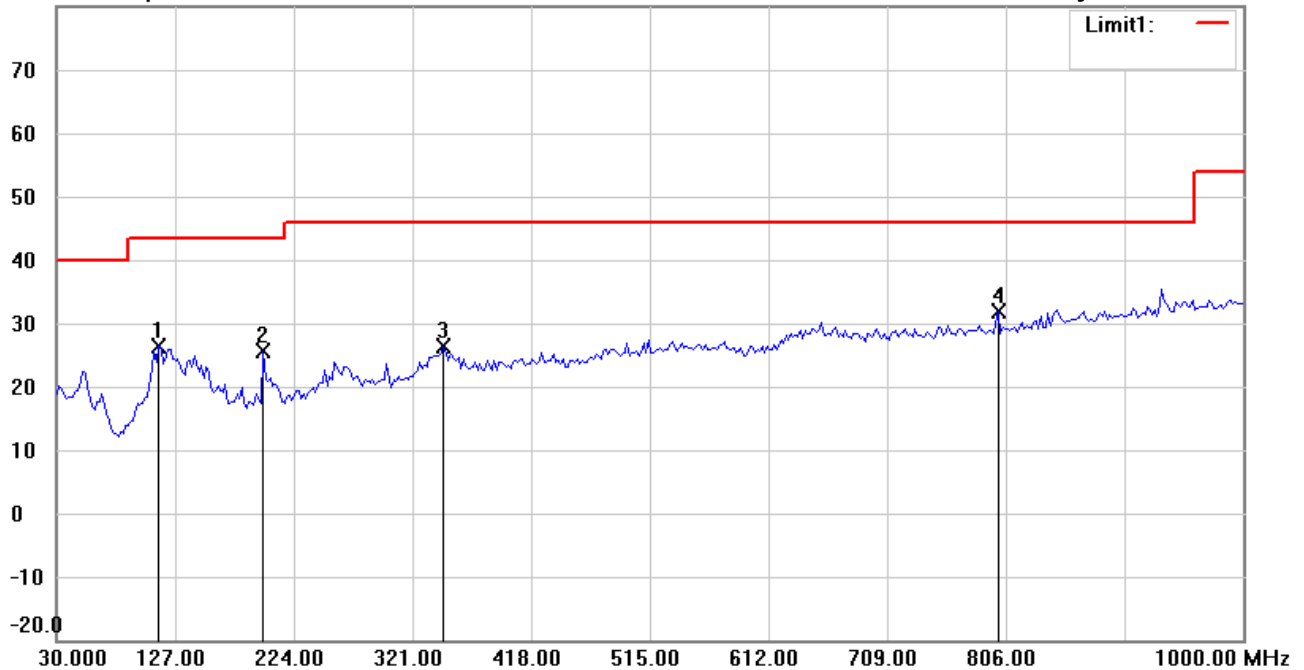
Date: 12/17/2021

Temperature:24.7 °C

80.0 dBuV/m

Time: 12:35:16 AM

Humidity:63.1 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_30-1000MHz

Polarization: *Horizontal*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : LTE Band 4 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	113.5871	33.12	peak	-6.79	26.33	43.50	100	83	-17.17	
	199.1182	36.03	peak	-10.52	25.51	43.50	125	0	-17.99	
	346.8536	31.05	peak	-4.69	26.36	46.00	138	120	-19.64	
*	799.7795	29.84	peak	2.08	31.92	46.00	110	275	-14.08	



Radiated Emission Measurement

Operator: Allen

File :1

Data :#2

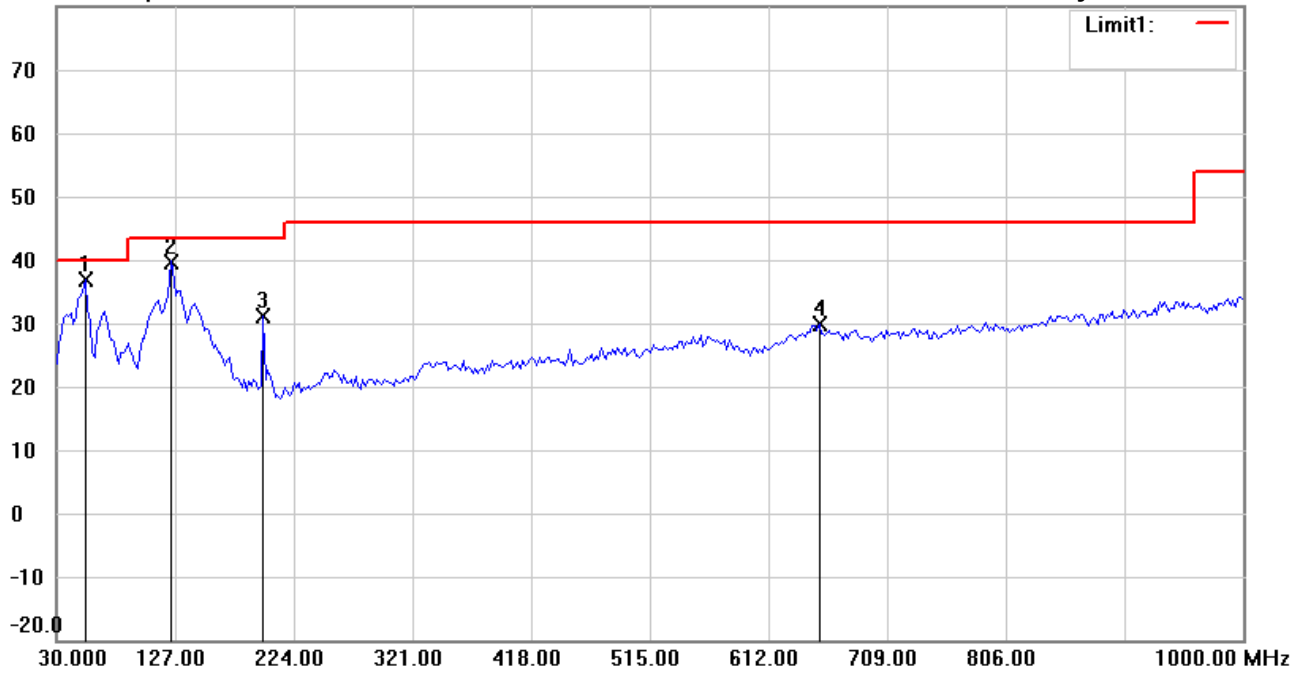
Date: 12/17/2021

Temperature:24.7 °C

80.0 dBuV/m

Time: 12:36:17 AM

Humidity:63.1 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_30-1000MHz

Polarization: **Vertical**

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : LTE Band 4 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	53.3267	47.09	peak	-10.24	36.85	40.00	118	166	-3.15	
	123.3066	45.91	peak	-6.16	39.75	43.50	140	280	-3.75	
	199.1182	41.72	peak	-10.52	31.20	43.50	100	38	-12.30	
	653.9880	28.40	peak	1.36	29.76	46.00	133	100	-16.24	



Radiated Emission Measurement

Operator: Sky

File :3

Data :#1

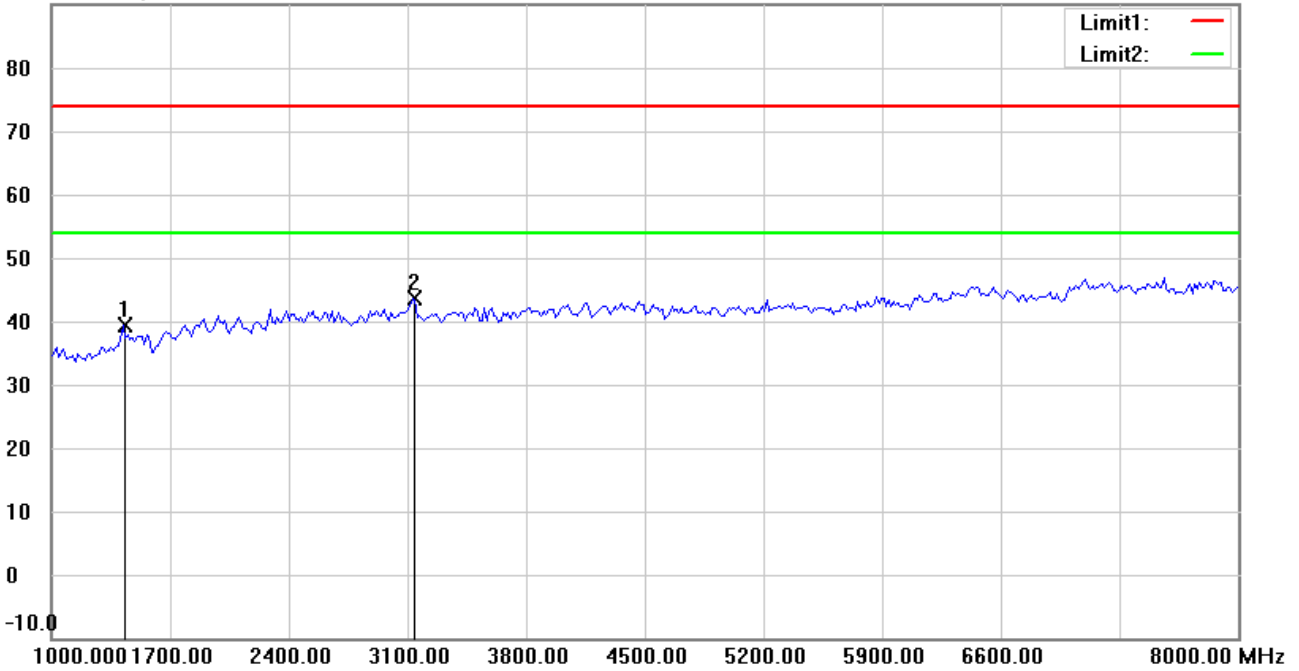
Date: 12/16/2021

Temperature:22.9 °C

90.0 dBuV/m

Time: 8:57:19 PM

Humidity:59.6 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : LTE Band 4 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	1420.842	45.69	peak	-6.21	39.48	74.00	150	72	-34.52	
*	3132.265	43.47	peak	0.05	43.52	74.00	150	194	-30.48	



Radiated Emission Measurement

Operator: Sky

File :3

Data :#5

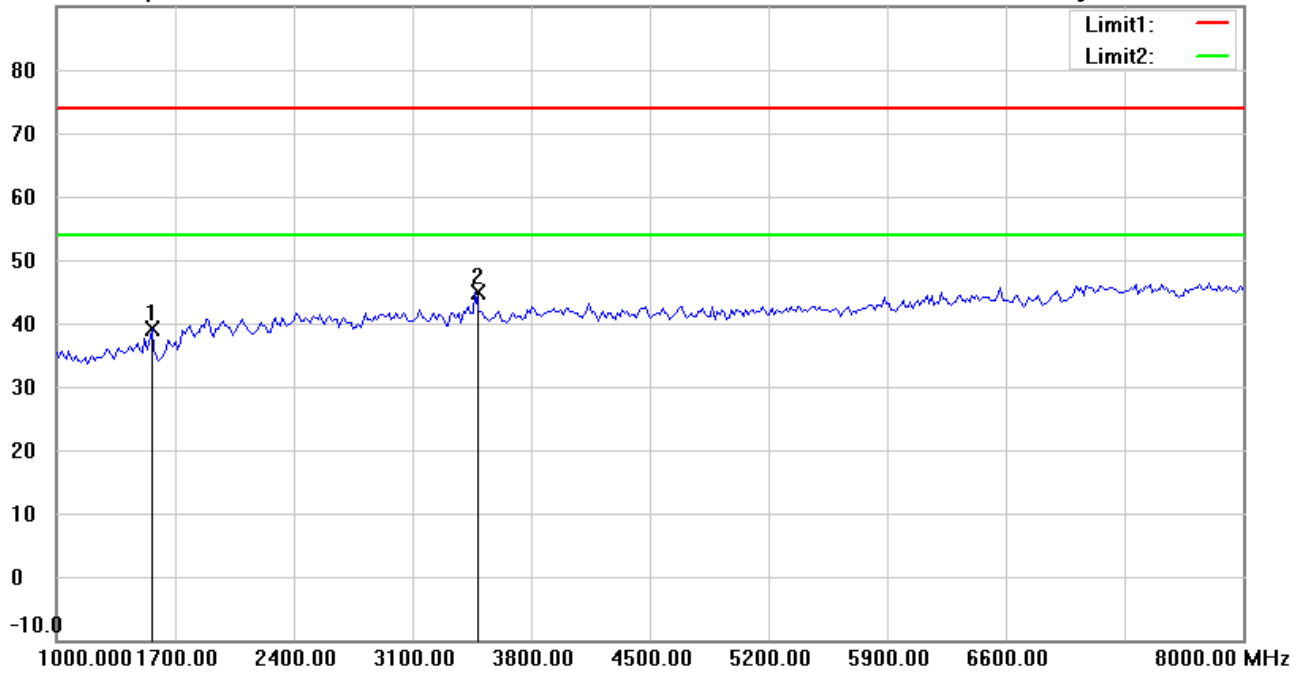
Date: 12/16/2021

Temperature:22.9 °C

90.0 dBuV/m

Time: 9:01:34 PM

Humidity:59.6 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: **Vertical**

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : LTE Band 4 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	1561.122	45.64	peak	-6.49	39.15	74.00	150	343	-34.85	
*	3468.938	44.16	peak	0.61	44.77	74.00	150	126	-29.23	



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#2

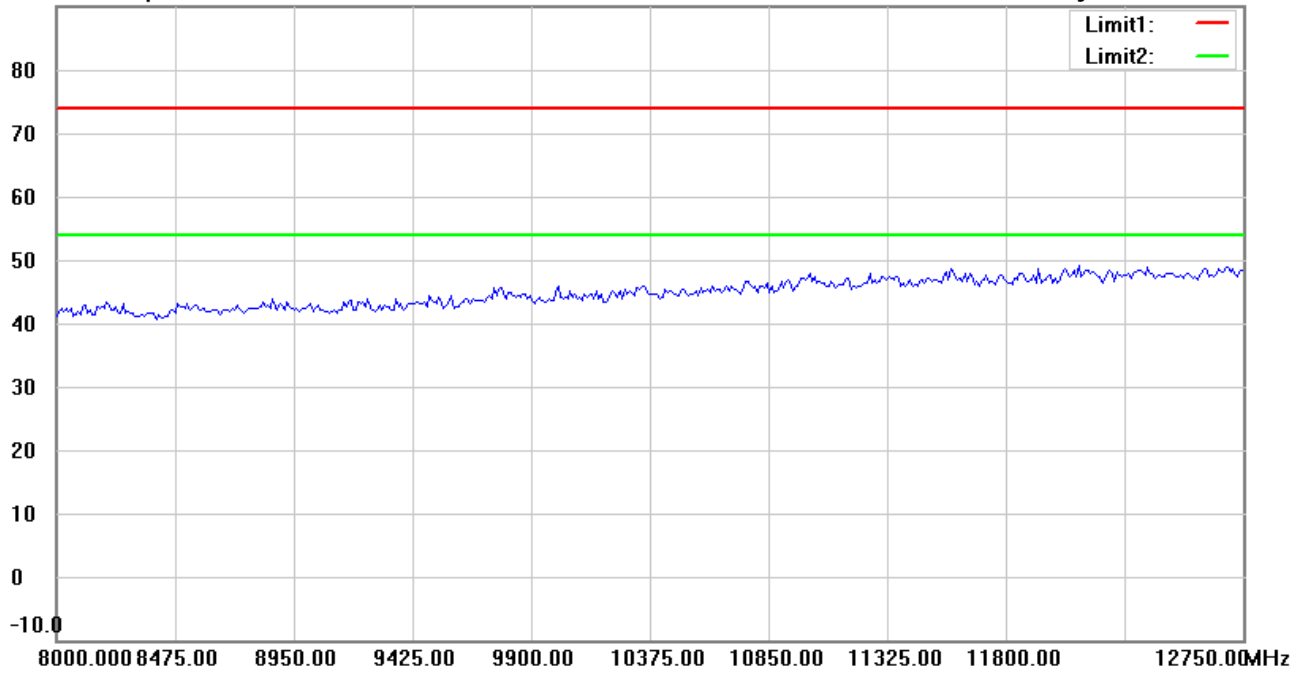
Date: 12/16/2021

Temperature:22.9 °C

90.0 dBuV/m

Time: 8:59:26 PM

Humidity:59.6 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : LTE Band 4 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#6

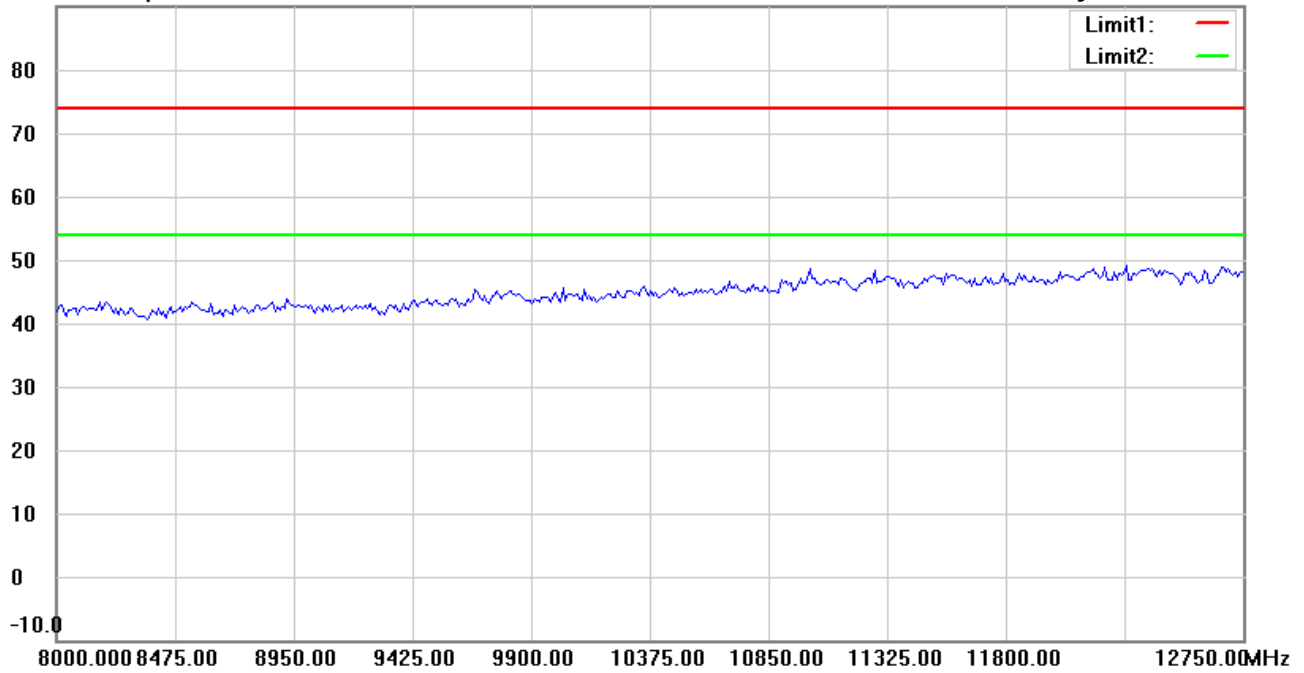
Date: 12/16/2021

Temperature:22.9 °C

90.0 dBuV/m

Time: 9:03:34 PM

Humidity:59.6 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : LTE Band 4 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#3

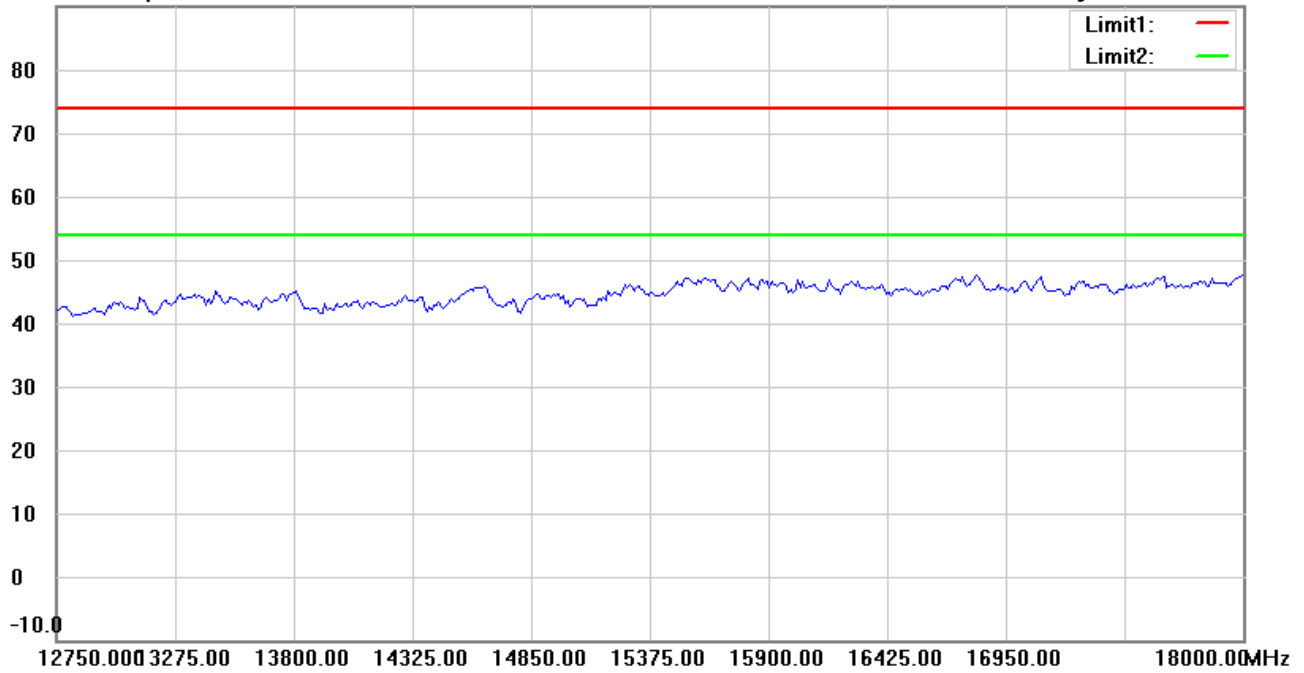
Date: 12/16/2021

Temperature:22.9 °C

90.0 dBuV/m

Time: 9:00:24 PM

Humidity:59.6 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : LTE Band 4 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#7

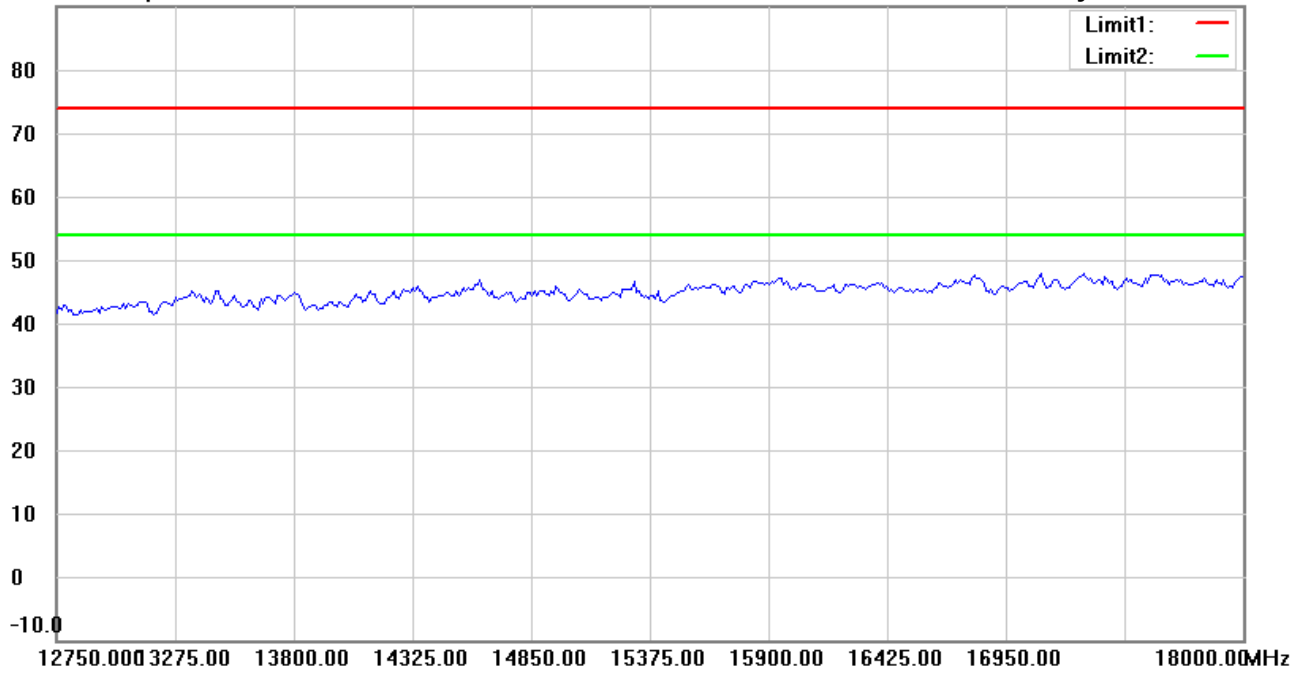
Date: 12/16/2021

Temperature:22.9 °C

90.0 dBuV/m

Time: 9:04:32 PM

Humidity:59.6 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : LTE Band 4 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin





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Radiated Emission Measurement

Operator: Sky

File :3

Data :#4

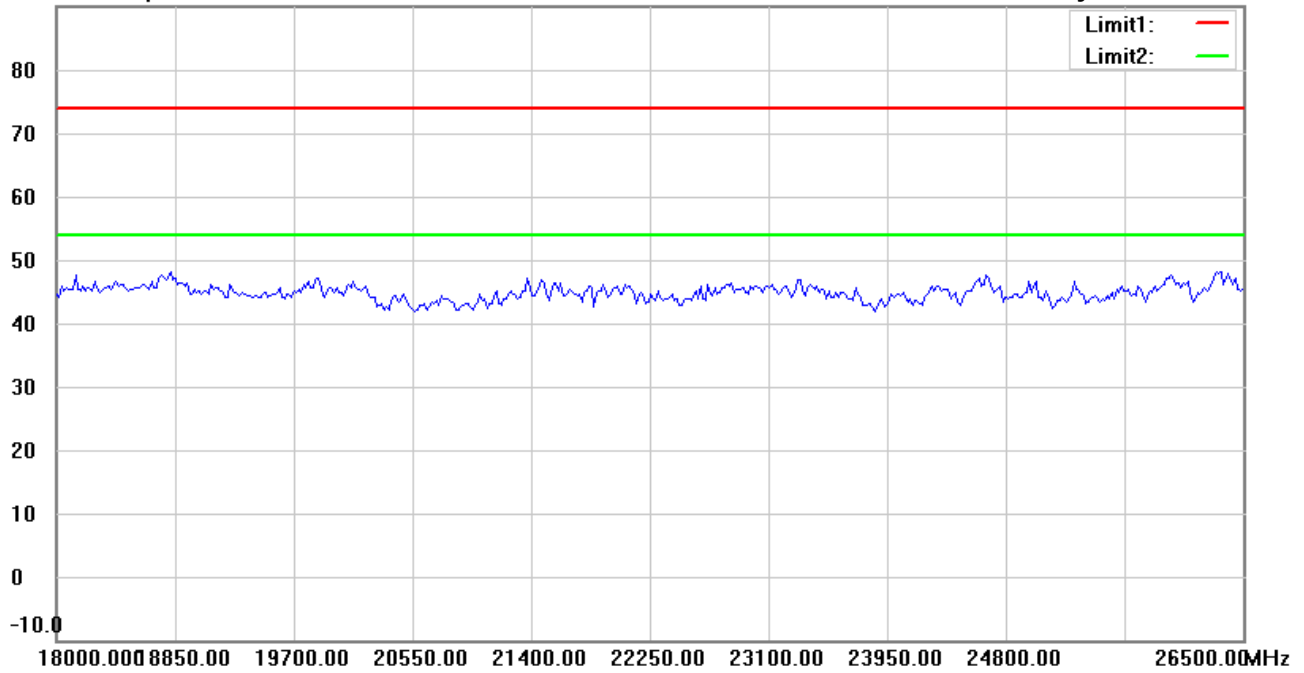
Date: 12/16/2021

Temperature:22.9 °C

90.0 dBuV/m

Time: 9:00:33 PM

Humidity:59.6 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : LTE Band 4 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Sky

File :3

Data :#8

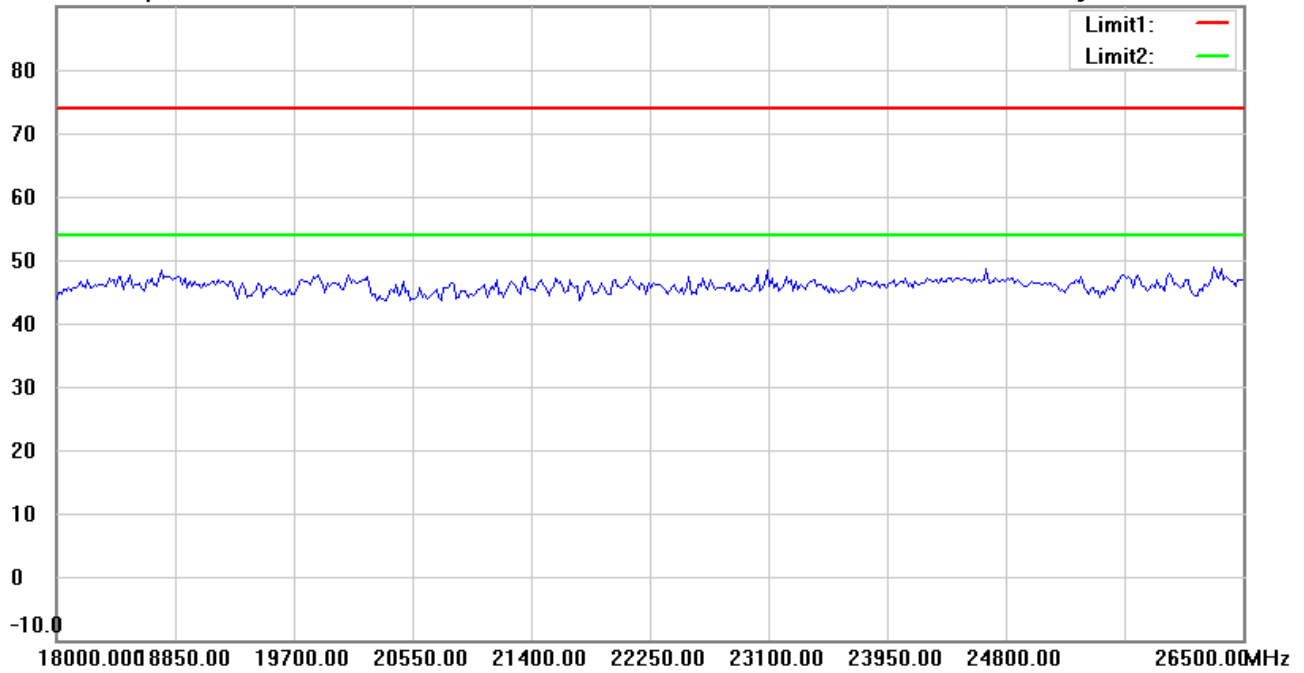
Date: 12/16/2021

Temperature:22.9 °C

90.0 dBuV/m

Time: 9:04:42 PM

Humidity:59.6 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : LTE Band 4 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



Radiated Emission Measurement

Operator: Allen

File :1

Data :#1

Date: 12/17/2021

Temperature:24.7 °C

80.0 dBuV/m

Time: 12:45:43 AM

Humidity:63.1 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_30-1000MHz

Polarization: *Horizontal*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : LTE Band 12 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	121.3627	32.05	peak	-6.21	25.84	43.50	120	196	-17.66	
	199.1182	35.93	peak	-10.52	25.41	43.50	133	240	-18.09	
	346.8536	30.92	peak	-4.69	26.23	46.00	100	338	-19.77	
*	650.1001	29.01	peak	1.41	30.42	46.00	117	55	-15.58	



Radiated Emission Measurement

Operator: Allen

File :1

Data :#2

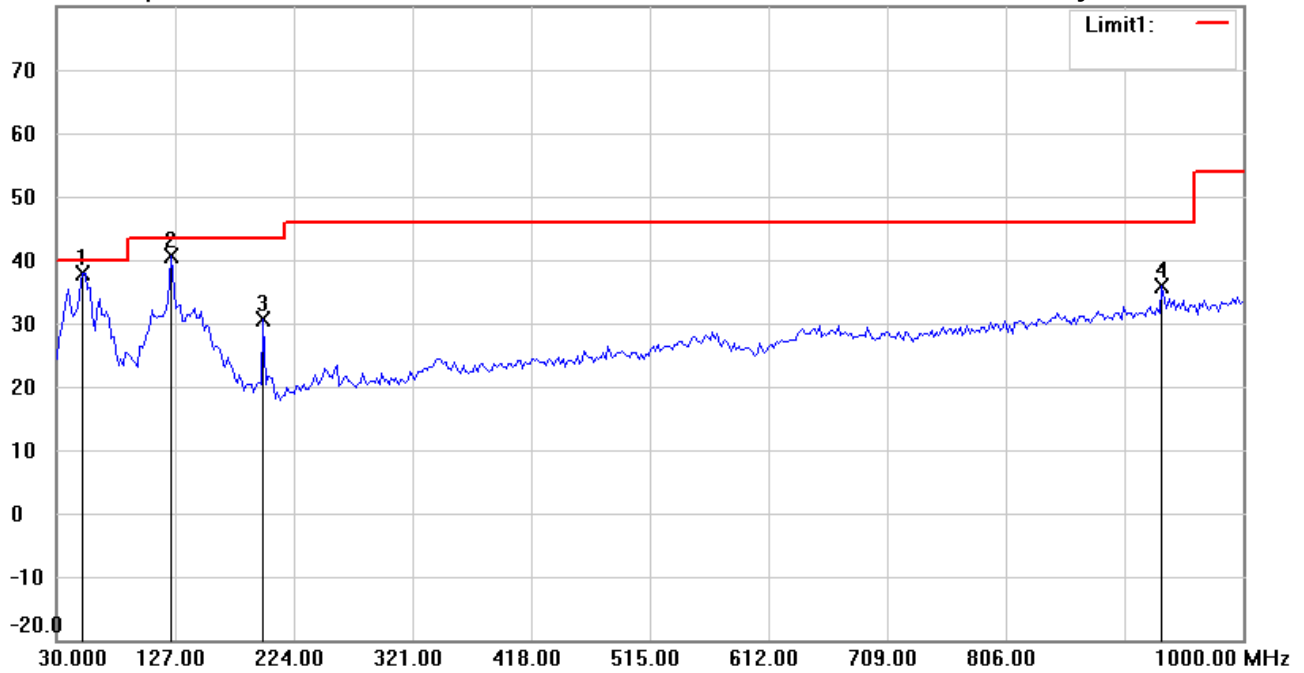
Date: 12/17/2021

Temperature:24.7 °C

80.0 dBuV/m

Time: 12:46:43 AM

Humidity:63.1 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_30-1000MHz

Polarization: **Vertical**

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : LTE Band 12 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	51.3828	47.82	QP	-9.91	37.91	40.00	140	163	-2.09	
	123.3066	46.90	QP	-6.16	40.74	43.50	108	81	-2.76	
	199.1182	41.08	peak	-10.52	30.56	43.50	100	348	-12.94	
	933.9078	30.43	peak	5.41	35.84	46.00	130	75	-10.16	



Radiated Emission Measurement

Operator: Sky

File :3

Data :#1

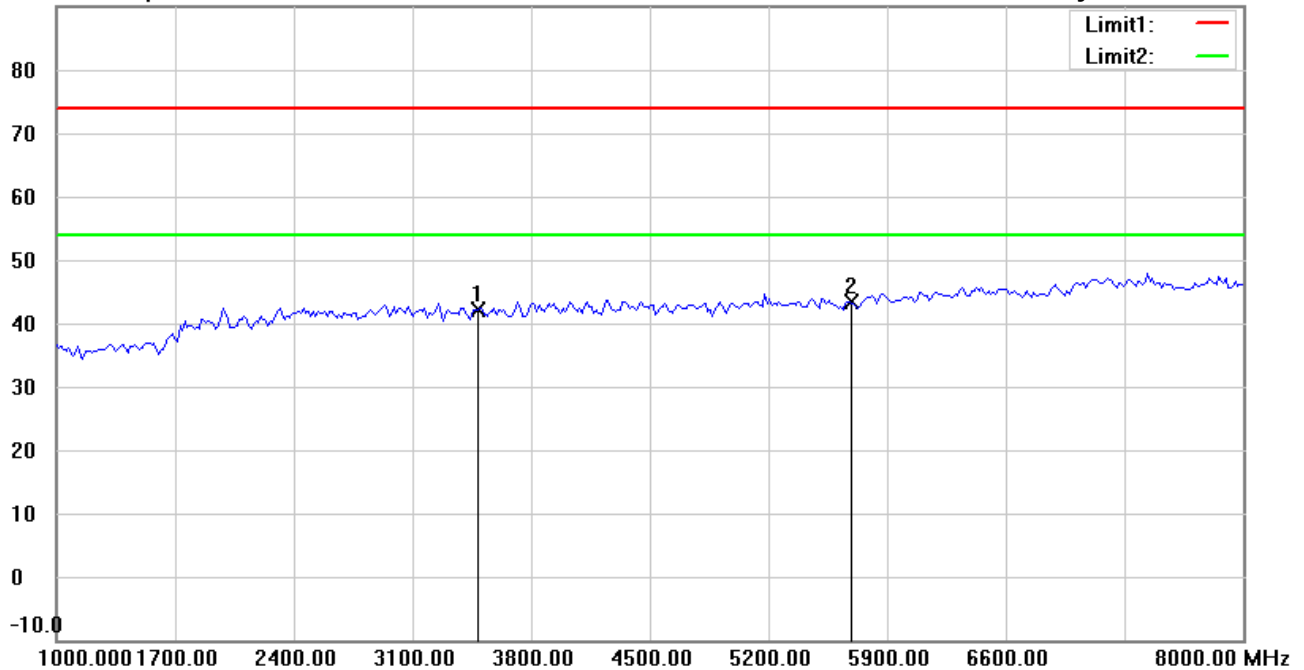
Date: 12/16/2021

Temperature:22.9 °C

90.0 dBuV/m

Time: 9:09:08 PM

Humidity:59.6 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : LTE Band 12 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	3468.938	41.57	peak	0.61	42.18	74.00	150	7	-31.82	
*	5671.343	40.31	peak	3.03	43.34	74.00	150	31	-30.66	



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
 Tel:+886-2-6606-8877  
 Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Sky

File :3

Data :#3

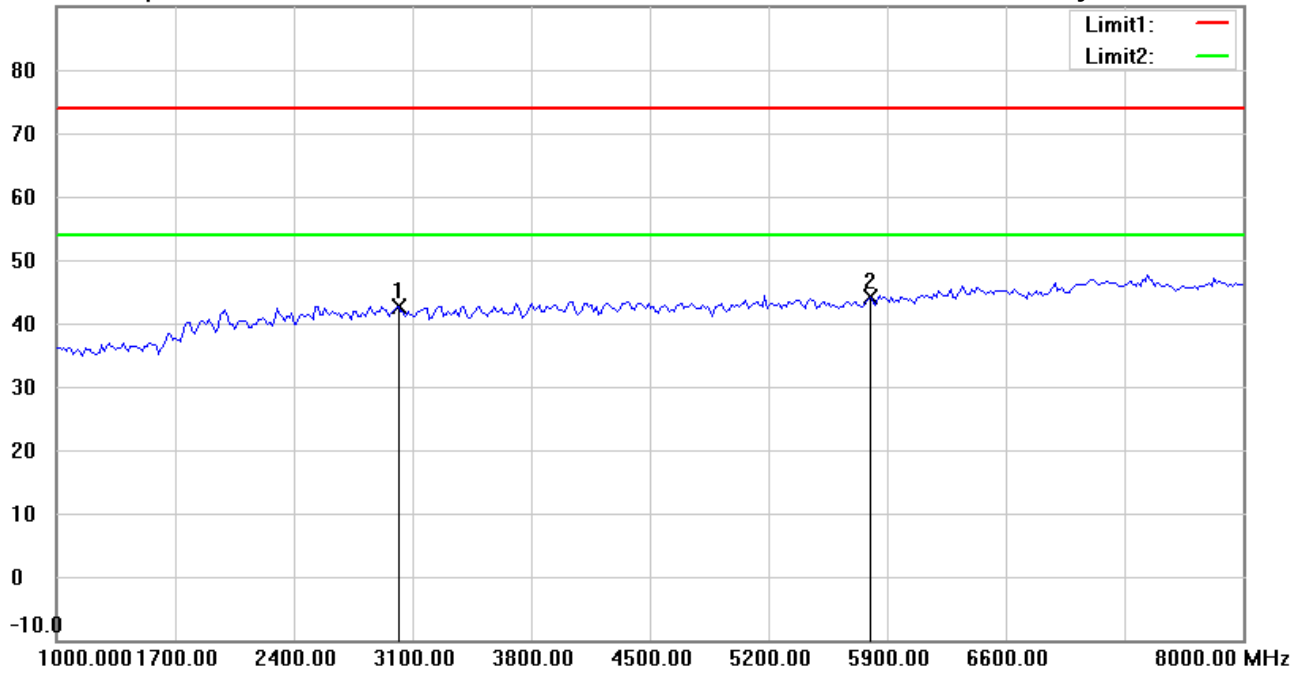
Date: 12/16/2021

Temperature:22.9 °C

90.0 dBuV/m

Time: 9:11:26 PM

Humidity:59.6 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: **Vertical**

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : LTE Band 12 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	3020.040	42.52	peak	0.11	42.63	74.00	150	336	-31.37	
*	5797.595	40.25	peak	3.77	44.02	74.00	150	91	-29.98	

\*:Maximum data x:Over limit !:over margin



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 Tel:+886-2-6606-8877  
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Radiated Emission Measurement

Operator: Sky

File :3

Data :#2

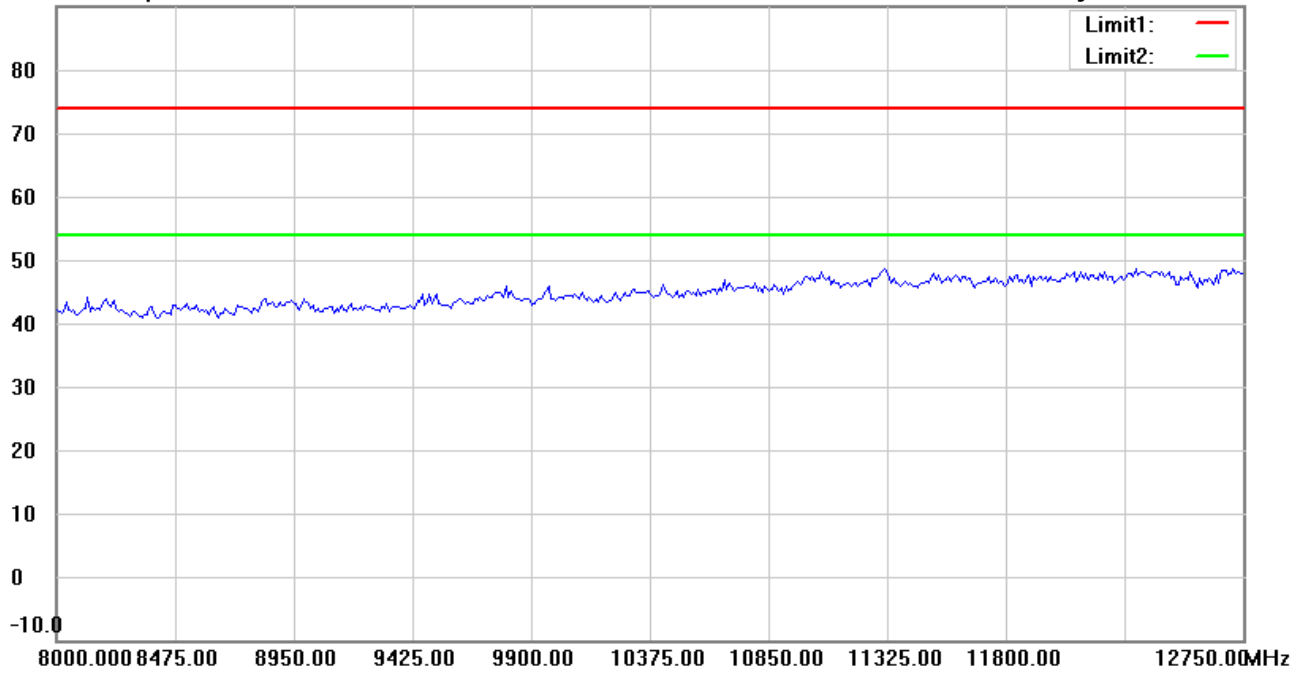
Date: 12/16/2021

Temperature:22.9 °C

90.0 dBuV/m

Time: 9:10:21 PM

Humidity:59.6 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : LTE Band 12 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin



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 Tel:+886-2-6606-8877  
 Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Sky

File :3

Data :#4

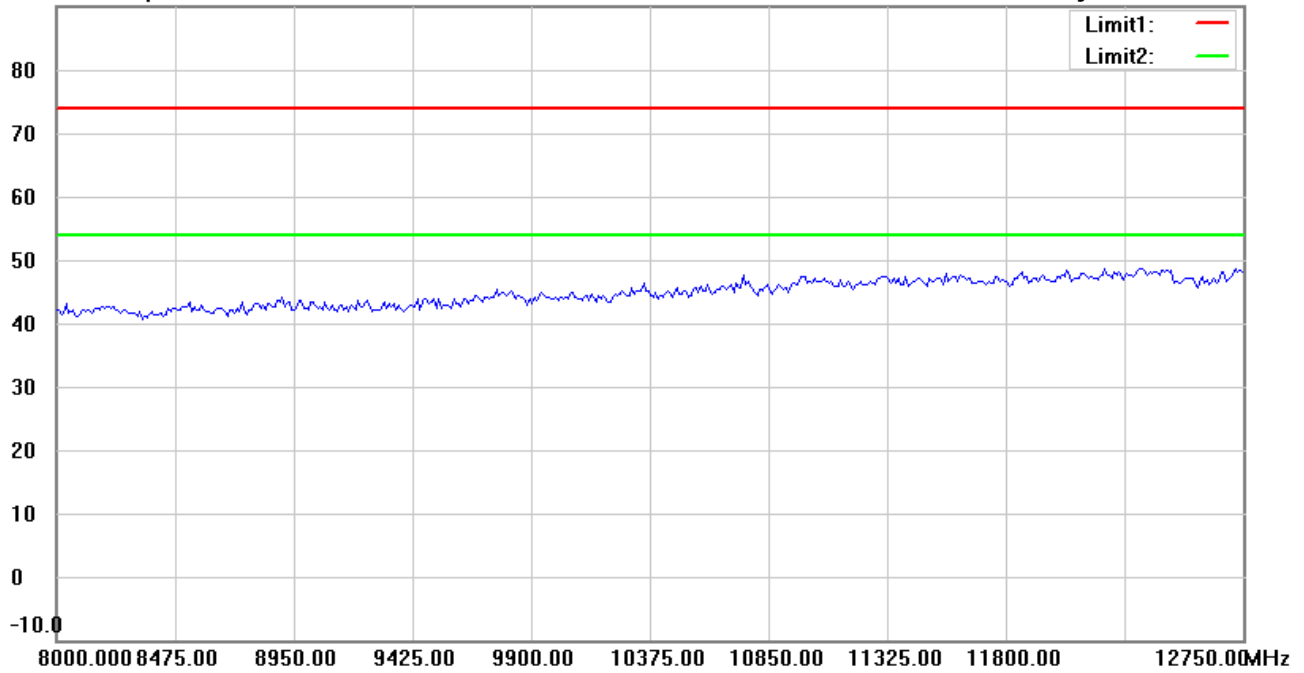
Date: 12/16/2021

Temperature:22.9 °C

90.0 dBuV/m

Time: 9:12:31 PM

Humidity:59.6 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6R22112-21431

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : LTE Band 12 Idle

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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\*:Maximum data    x:Over limit    !:over margin