



**中认信通**  
CHINA CERTIFICATION ICT CO., LTD (DONGGUAN)



## TEST REPORT

**Applicant: Inrico Technologies Co.,Ltd**

Address: A1703, Shenzhen National Engineering Laboratory Building, No. 20 Gaoxin South 7th Road, Shenzhen, China

**FCC ID: 2AIV6-IRC100**

**Product Name: Hybrid RSM**

**Standard(s): 47 CFR Part 15, Subpart E(15.407)  
ANSI C63.10-2013  
KDB 789033 D02 General U-NII Test Procedures New  
Rules v02r01**

The above device has been tested and found compliant with the requirement of the relative standards by China Certification ICT Co., Ltd (Dongguan)

**Report Number: CR231164493-00D**

**Date Of Issue: 2024/1/18**

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## Test Facility

The Test site used by China Certification ICT Co., Ltd (Dongguan) to collect test data is located on the No. 113, Pingkang Road, Dalang Town, Dongguan, Guangdong, China.

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 442868, the FCC Designation No. : CN1314.

## Declarations

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## DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	CR231164493-00D	Original Report	2024/1/18

## 1. GENERAL INFORMATION

### 1.1 Product Description for Equipment under Test (EUT)

#### 1.1.1 General:

<b>EUT Name:</b>	Hybrid RSM
<b>EUT Model:</b>	IRC100
<b>Operation Frequency:</b>	Band1: 5180-5240 MHz(802.11a/n ht20) 5190-5230 MHz(802.11n ht40) Band2: 5260-5320 MHz (802.11a/n ht20) 5270-5310 MHz(802.11n ht40) Band3: 5500-5720 MHz (802.11a/n ht20) 5510-5710 MHz(802.11n ht40) Band4: 5745-5825 MHz (802.11a/n ht20) 5755-5795 MHz(802.11n ht40)
<b>Maximum Average Output Power (Conducted):</b>	13.59dBm (5150-5250 MHz) 13.34dBm (5250-5350 MHz) 12.23dBm (5470-5725 MHz) 8.88dBm (5725-5850 MHz)
<b>Modulation Type:</b>	802.11a/n: OFDM-BPSK, QPSK, 16QAM, 64QAM
<b>Rated Input Voltage:</b>	DC 3.8V from Battery or DC5.0V from Adapter /Charger Base
<b>Serial Number:</b>	AC Line Conducted Emissions and Radiation Spurious Emissions test: 2D1L-1 RF Conducted test: 2D1L-2
<b>EUT Received Date:</b>	2023/11/3
<b>EUT Received Status:</b>	Good

#### 1.1.2 Operation Frequency Detail: For 802.11a/n ht20:

5150-5250MHz Band		5250-5350 MHz Band		5470-5725 MHz Band		5725-5850MHz Band	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	52	5260	100	5500	149	5745
40	5200	56	5280	104	5520	153	5765
44	5220	60	5300	108	5540	157	5785
48	5240	64	5320	112	5560	161	5805
/	/	/	/	116	5580	165	5825
/	/	/	/	120	5600	/	/
/	/	/	/	124	5620	/	/
/	/	/	/	128	5640	/	/
/	/	/	/	132	5660	/	/
/	/	/	/	136	5680	/	/
/	/	/	/	140	5700	/	/
/	/	/	/	144	5720	/	/

Per section 15.31(m), the below frequencies were performed the test:

Test Channel	Test Frequency (MHz)			
	5150-5250MHz Band	5250-5350 MHz Band	5470-5725 MHz Band	5725-5850MHz Band
Lowest	5180	5260	5500	5745
Middle	5200	5280	5580	5785
Highest	5240	5320	5700	5825
Cross	/	/	5720	/

**For 802.11n ht40:**

5150-5250MHz Band		5250-5350 MHz Band		5470-5725 MHz Band		5725-5850MHz Band	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190	54	5270	102	5510	151	5755
46	5230	62	5310	110	5550	159	5795
/	/	/	/	118	5590	/	/
/	/	/	/	126	5630	/	/
/	/	/	/	134	5670	/	/
/	/	/	/	142	5710	/	/

Per section 15.31(m), the below frequencies were performed the test:

Test Channel	Test Frequency (MHz)			
	5150-5250MHz Band	5250-5350 MHz Band	5470-5725 MHz Band	5725-5850MHz Band
Lowest	5190	5270	5510	5755
Middle	/	/	5550	/
Highest	5230	5310	5670	5795
Cross	/	/	5710	/

**1.1.3 Antenna Information Detail▲:**

Antenna Manufacturer	Antenna Type	input impedance (Ohm)	Frequency Range	Antenna Gain
Shenzhen Hengxiangtong Antenna Technology CO.,LTD	PIFA	50	5.15~5.25GHz	1.2dBi
			5.25~5.35 GHz	1.2dBi
			5.47~5.725 GHz	1.2dBi
			5.725-5.85 GHz	1.2dBi

The Method of §15.203 Compliance:

- Antenna was permanently attached to the unit.  
 Antenna use a unique type of connector to attach to the EUT.  
 Unit was professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.

**1.1.4 Accessory Information:**

Accessory Description	Manufacturer	Model	Parameters
Adapter	ShenZhen HuaJin Electronics CO.,LTD	HJ-0502000W2-US	Input: 100-240V~50/60Hz 0.3A Output: 5.0V 2000mA
Charger Base	Unknown	Unknown	Unknown

## 1.2 Description of Test Configuration

### 1.2.1 EUT Operation Condition

<b>EUT Operation Mode:</b>		The system was configured for testing in Engineering Mode, which was provided by the manufacturer. Per BLE report test, test with Powered by Adapter (M1) was the worst.		
<b>Equipment Modifications:</b>		No		
<b>EUT Exercise Software:</b>		Engineering mode		
The software was provided by manufacturer. The maximum power was configured as below, that was provided by the manufacturer ▲:				
<b>5150-5250 MHz Band:</b>				
Test Modes	Test Channels	Test Frequency	Data Rate	Power Level Setting
802.11a	Lowest	5180	6Mbps	17
	Middle	5200	6Mbps	17
	Highest	5240	6Mbps	17
802.11n ht20	Lowest	5180	MCS8	17
	Middle	5200	MCS8	17
	Highest	5240	MCS8	17
802.11n ht40	Lowest	5190	MCS8	16
	Highest	5230	MCS8	16
<b>5250-5350 MHz Band:</b>				
Test Modes	Test Channels	Test Frequency	Data Rate	Power Level Setting
802.11a	Lowest	5260	6Mbps	17
	Middle	5280	6Mbps	17
	Highest	5320	6Mbps	17
802.11n ht20	Lowest	5260	MCS8	17
	Middle	5280	MCS8	17
	Highest	5320	MCS8	17
802.11n ht40	Lowest	5270	MCS8	15
	Highest	5310	MCS8	15



<b>5470-5725 MHz Band:</b>				
<b>Test Modes</b>	<b>Test Channels</b>	<b>Test Frequency</b>	<b>Data Rate</b>	<b>Power Level Setting</b>
802.11a	Lowest	5500	6Mbps	17
	Middle	5580	6Mbps	17
	Highest	5700	6Mbps	17
	Cross	5720	6Mbps	17
802.11n ht20	Lowest	5500	MCS8	17
	Middle	5580	MCS8	17
	Highest	5700	MCS8	17
	Cross	5720	MCS8	17
802.11n ht40	Lowest	5510	MCS8	15
	Middle	5550	MCS8	15
	Highest	5670	MCS8	15
	Cross	5710	MCS8	15
<b>5725-5850 MHz Band:</b>				
<b>Test Modes</b>	<b>Test Channels</b>	<b>Test Frequency</b>	<b>Data Rate</b>	<b>Power Level Setting</b>
802.11a	Lowest	5745	6Mbps	17
	Middle	5785	6Mbps	17
	Highest	5825	6Mbps	17
802.11n ht20	Lowest	5745	MCS8	17
	Middle	5785	MCS8	17
	Highest	5825	MCS8	17
802.11n ht40	Lowest	5755	MCS8	15
	Highest	5795	MCS8	15
Note: The above are the worst-case data rates, which are determined for each mode based upon investigations by measuring the average power and PSD across all data rates, bandwidths, and modulations.				

### 1.2.2 Support Equipment List and Details

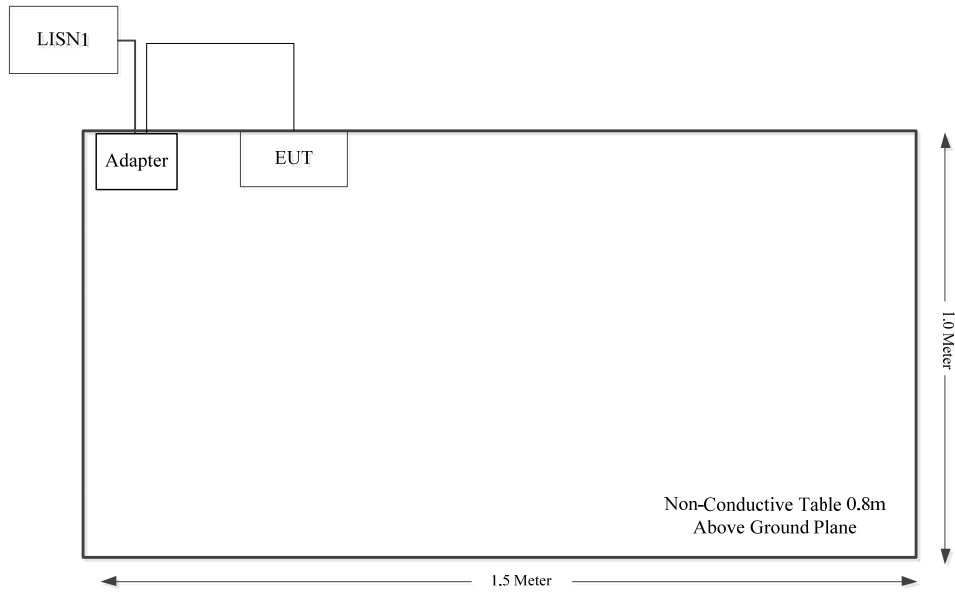
<b>Manufacturer</b>	<b>Description</b>	<b>Model</b>	<b>Serial Number</b>
/	/	/	/

### 1.2.3 Support Cable List and Details

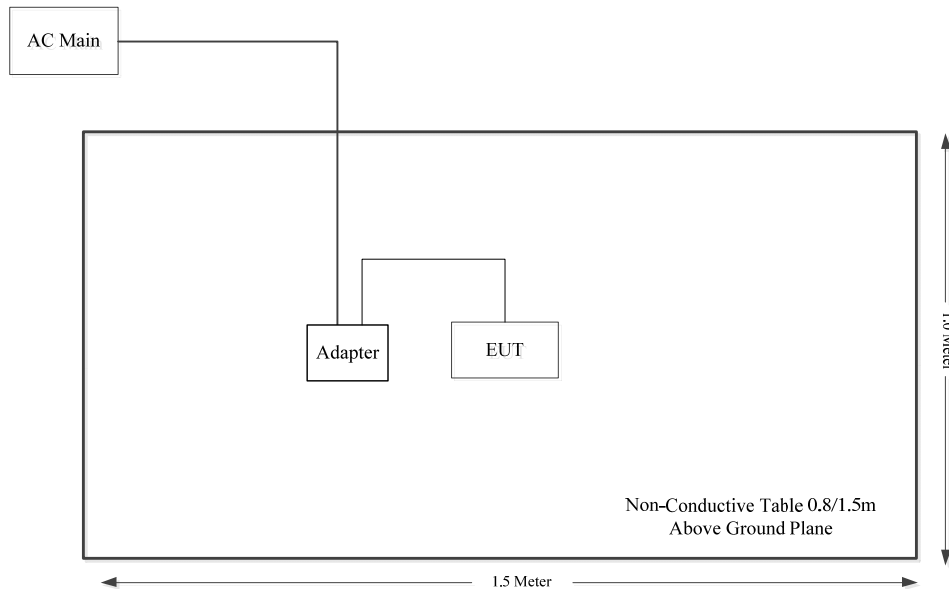
<b>Cable Description</b>	<b>Shielding Type</b>	<b>Ferrite Core</b>	<b>Length (m)</b>	<b>From Port</b>	<b>To</b>
USB Cable	No	No	1	Adapter	EUT

### 1.2.4 Block Diagram of Test Setup

AC Line Conducted Emissions:



Radiation Spurious Emissions:



### 1.3 Measurement Uncertainty

Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval.

Parameter	Measurement Uncertainty
Occupied Channel Bandwidth	±5 %
RF output power, conducted	±0.61dB
Power Spectral Density, conducted	±0.61 dB
Unwanted Emissions, radiated	9kHz~30MHz: 4.12dB, 30MHz~200MHz: 4.15 dB, 200MHz~1GHz: 5.61 dB, 1GHz~6GHz: 5.14 dB, 6GHz~18GHz: 5.93 dB, 18GHz~26.5GHz: 5.47 dB, 26.5GHz~40GHz: 5.63 dB
Unwanted Emissions, conducted	±1.26 dB
Temperature	±1 °C
Humidity	±5%
DC and low frequency voltages	±0.4%
Duty Cycle	1%
AC Power Lines Conducted Emission	2.8 dB (150 kHz to 30 MHz)

## 2. SUMMARY OF TEST RESULTS

Standard(s) Section	Test Items	Result
FCC§15.207(a)	AC line conducted emissions	Compliant
FCC§15.205& §15.209 &§15.407(b)	Radiated Spurious Emissions	Compliant
FCC§15.407(a) (e)	Emission Bandwidth	Compliant
FCC§15.407(a)	Maximum Conducted Output Power	Compliant
FCC§15.407 (a)	Power Spectral Density	Compliant
FCC§15.203	Antenna Requirement	Compliant

### 3. REQUIREMENTS AND TEST PROCEDURES

#### 3.1 AC Line Conducted Emissions

##### 3.1.1 Applicable Standard

FCC§15.207(a).

(a) Except as shown in paragraphs (b) and (c) of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50  $\mu$ H/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

Frequency of emission (MHz)	Conducted limit (dB $\mu$ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

\*Decreases with the logarithm of the frequency.

(b) The limit shown in paragraph (a) of this section shall not apply to carrier current systems operating as intentional radiators on frequencies below 30 MHz. In lieu thereof, these carrier current systems shall be subject to the following standards:

(1) For carrier current system containing their fundamental emission within the frequency band 535-1705 kHz and intended to be received using a standard AM broadcast receiver: no limit on conducted emissions.

(2) For all other carrier current systems: 1000  $\mu$ V within the frequency band 535-1705 kHz, as measured using a 50  $\mu$ H/50 ohms LISN.

(3) Carrier current systems operating below 30 MHz are also subject to the radiated emission limits in §15.205, §15.209, §15.221, §15.223, or §15.227, as appropriate.

(c) Measurements to demonstrate compliance with the conducted limits are not required for devices which only employ battery power for operation and which do not operate from the AC power lines or contain provisions for operation while connected to the AC power lines. Devices that include, or make provisions for, the use of battery chargers which permit operating while charging, AC adapters or battery eliminators or that connect to the AC power lines indirectly, obtaining their power through another device which is connected to the AC power lines, shall be tested to demonstrate compliance with the conducted limits.

### 3.1.2 EUT Setup



- Note: 1. Support units were connected to second LISN.  
 2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.207 limits.

The spacing between the peripherals was 10 cm.

The adapter or EUT was connected to the main LISN with a 120 V/60 Hz AC power source.

### 3.1.3 EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

Frequency Range	IF B/W
150 kHz – 30 MHz	9 kHz

### 3.1.4 Test Procedure

The frequency and amplitude of the six highest ac power-line conducted emissions relative to the limit, measured over all the current-carrying conductors of the EUT power cords, and the operating frequency or frequency to which the EUT is tuned (if appropriate), should be reported, unless such emissions are more than 20 dB below the limit. AC power-line conducted emissions measurements are to be separately carried out only on each of the phase (“hot”) line(s) and (if used) on the neutral line(s), but not on the ground [protective earth] line(s). If less than six emission frequencies are within 20 dB of the limit, then the noise level of the measuring instrument at representative frequencies should be reported. The specific conductor of the power-line cord for each of the reported emissions should be identified. Measure the six highest emissions with respect to the limit on each current-carrying conductor of each power cord associated with the EUT (but not the power cords of associated or peripheral equipment that are part of the test configuration). Then, report the six highest emissions with respect to the limit from among all the measurements identifying the frequency and specific current-carrying conductor identified with the emission. The six highest emissions should be reported for each of the current-carrying conductors, or the six highest emissions may be reported over all the current-carrying conductors.

### 3.1.5 Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Result = Reading + Factor

Factor = attenuation caused by cable loss + voltage division factor of AMN

The “**Margin**” column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

Margin = Limit – Result

## 3.2 Radiation Spurious Emissions

### 3.2.1 Applicable Standard

FCC §15.407 (b);

**Undesirable emission limits.** Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

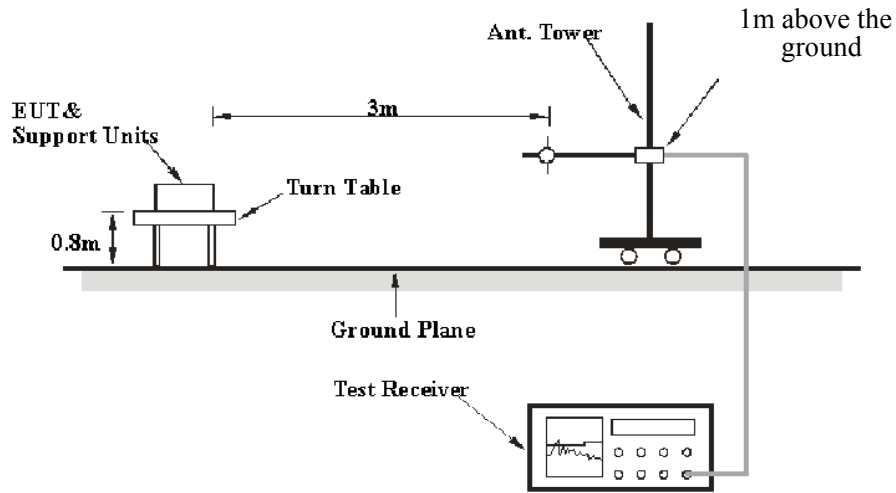
- (1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of  $-27$  dBm/MHz.
- (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of  $-27$  dBm/MHz.
- (3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of  $-27$  dBm/MHz.
- (4) For transmitters operating solely in the 5.725-5.850 GHz band:
  - (i) All emissions shall be limited to a level of  $-27$  dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
  - (ii) Devices certified before March 2, 2017 with antenna gain greater than 10 dBi may demonstrate compliance with the emission limits in § 15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease by March 2, 2018. Devices certified before March 2, 2018 with antenna gain of 10 dBi or less may demonstrate compliance with the emission limits in § 15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease before March 2, 2020.
- (8) The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.
- (9) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in § 15.209. Further, any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in § 15.207.
- (10) The provisions of § 15.205 apply to intentional radiators operating under this section.
- (11) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the upper and lower frequency band edges as the design of the equipment permits.

(c) The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signalling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization a description of how this requirement is met.

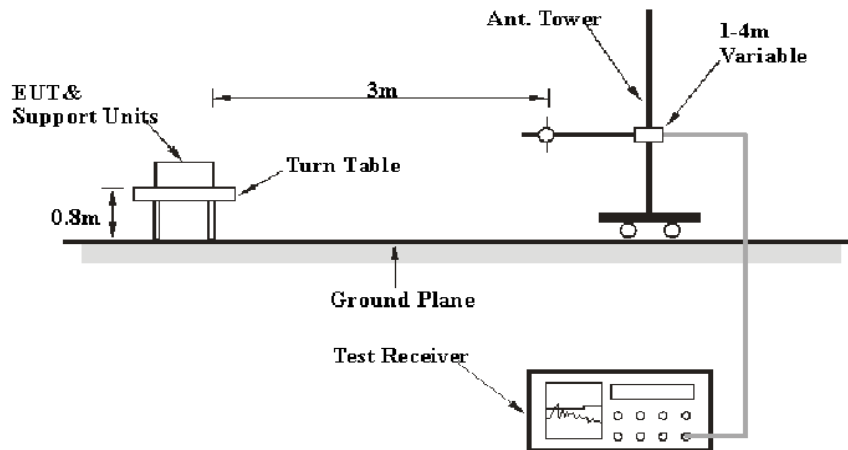


**3.2.2 EUT Setup**

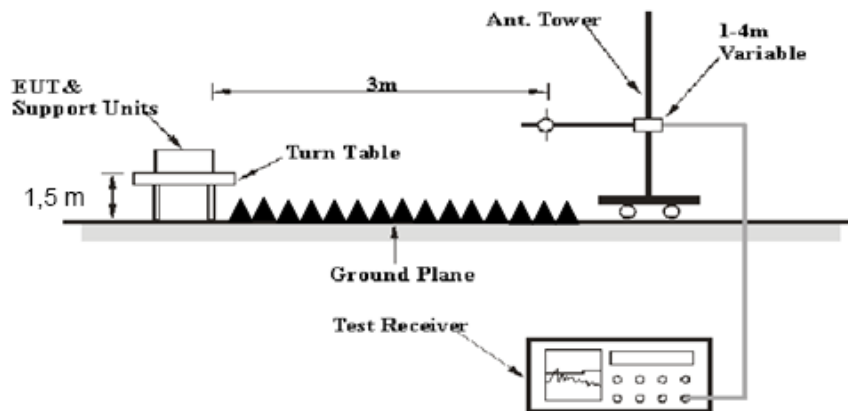
**9kHz~30MHz:**



**30MHz~1GHz:**



**1-40 GHz:**



The radiated emission tests were performed in the 3 meters chamber test site, using the setup accordance with the ANSI C63.10-2013. The specification used was FCC 15.209, FCC 15.407 limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

The spacing between the peripherals was 10 cm.

For 9kHz-30MHz test, the lowest height of the magnetic antenna shall be 1 m above the ground and three antenna orientations (parallel, perpendicular, and ground-parallel) shall be measured.

### 3.2.3 EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 9kHz to 40 GHz.

During the radiated emission test, the EMI test receiver & Spectrum Analyzer Setup were set with the following configurations:

9kHz-1000MHz:

Frequency Range	RBW	Video B/W	IF B/W	Measurement
9 kHz – 150 kHz	300 Hz	1 kHz	200 Hz	QP/AV
150 kHz – 30 MHz	10 kHz	30 kHz	9 kHz	QP/AV
30 MHz – 1000 MHz	100 kHz	300 kHz	---	PK
	---	---	120 kHz	QP

1GHz- 40GHz:

Measurement	Duty cycle	RBW	Video B/W
PK	Any	1MHz	3 MHz
AV	>98%	1MHz	10 Hz
	<98%	1MHz	$\geq 1/T$

Note: T is minimum transmission duration

If the maximized peak measured value complies with under the QP/Average limit more than 6dB, then it is unnecessary to perform an QP/Average measurement.

### 3.2.4 Test Procedure

During the radiated emission test, the adapter was connected to the first AC floor outlet.

Data was recorded in Quasi-peak detection mode for frequency range of 9 kHz-1 GHz except 9 – 90 kHz, 110 – 490 kHz, employing an average detector, peak and Average detection modes for frequencies above 1 GHz.

All emissions under the average limit and under the noise floor have not recorded in the report.

### 3.2.5 Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Factor = Antenna Factor + Cable Loss - Amplifier Gain

Result = Reading + Factor

The “**Margin**” column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

Margin = Limit – Result

### 3.3 Emission Bandwidth:

#### 3.3.1 Applicable Standard

FCC §15.407 (a)

(2) For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or  $11 \text{ dBm} + 10 \log B$ , where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

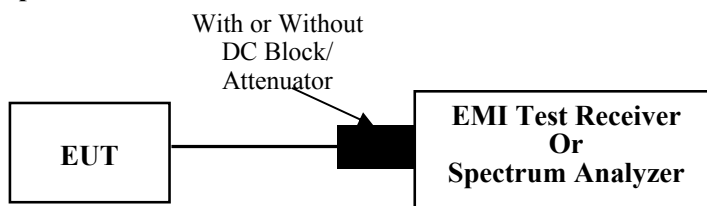
FCC §15.407 (e)

Within the 5.725-5.850 GHz and 5.850-5.895 GHz bands, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

FCC §15.407 (h)

(h)(2) Radar Detection Function of Dynamic Frequency Selection (DFS). U-NII devices operating with any part of its 26 dB emission bandwidth in the 5.25-5.35 GHz and 5.47-5.725 GHz bands shall employ a DFS radar detection mechanism to detect the presence of radar systems and to avoid co-channel operation with radar systems.

#### 3.3.2 EUT Setup



#### 3.3.3 Test Procedure

##### 26dB Emission Bandwidth:

According to ANSI C63.10-2013 Section 12.4.1

- a) Set RBW = approximately 1% of the emission bandwidth.
- b) Set the VBW > RBW.
- c) Detector = peak.
- d) Trace mode = max hold
- e) Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the instrument. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

**6 dB emission bandwidth:**

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01

- a) Set RBW = 100 kHz.
- b) Set the video bandwidth (VBW)  $\geq 3$  RBW.
- c) Detector = Peak.
- d) Trace mode = max hold.
- e) Sweep = auto couple.
- f) Allow the trace to stabilize.
- g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

Note: The automatic bandwidth measurement capability of a spectrum analyzer or EMI receiver may be employed if it implements the functionality described in this section. For devices that use channel aggregation refer to III.A and III.C for determining emission bandwidth.

**99% Occupied Bandwidth:**

According to ANSI C63.10-2013 Section 12.4.2&6.9.3

The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission. The following procedure shall be used for measuring 99% power bandwidth:

- a) The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.
- b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be approximately three times the RBW, unless otherwise specified by the applicable requirement.
- c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than  $[10 \log (OBW/RBW)]$  below the reference level. Specific guidance is given in 4.1.5.2.
- d) Step a) through step c) might require iteration to adjust within the specified range.
- e) Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
- f) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.
- g) If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies.
- h) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

### 3.4 Maximum Conducted Output Power:

#### 3.4.1 Applicable Standard

FCC §15.407(a) (1)(iv)

For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

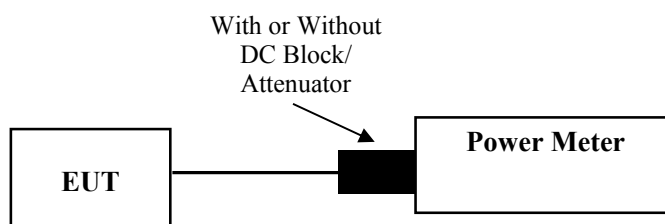
FCC §15.407(a) (2)

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or  $11 \text{ dBm} + 10 \log B$ , where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

FCC §15.407(a) (3)(i)

For the band 5.725-5.850 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

#### 3.4.2 EUT Setup



#### 3.4.3 Test Procedure

According to ANSI C63.10-2013 Section 12.3.3.2

Method PM-G is measurement using a gated RF average power meter. Measurements may be performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Because the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

### 3.5 Maximum Power Spectral Density:

#### 3.5.1 Applicable Standard

FCC §15.407(a) (1)(iv)

For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

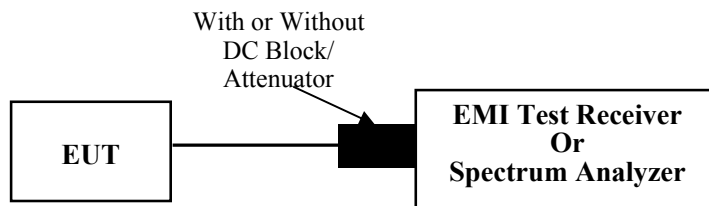
FCC §15.407(a) (2)

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or  $11 \text{ dBm} + 10 \log B$ , where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

FCC §15.407(a) (3)(i)

For the band 5.725-5.850 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

#### 3.5.2 EUT Setup



### 3.5.3 Test Procedure

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01

**Duty cycle  $\geq 98\%$**

KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-1 should be applied.

**Duty cycle  $< 98\%$ , duty cycle variations are less than  $\pm 2\%$**

KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-2 should be applied.

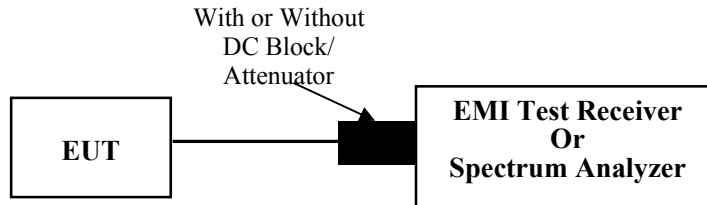
**Duty cycle  $< 98\%$ , duty cycle variations exceed  $\pm 2\%$**

KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-3 should be applied.



### 3.6 Duty Cycle:

#### 3.6.1 EUT Setup



#### 3.6.2 Test Procedure

According to ANSI C63.10-2013 Section 12.2

The zero-span mode on a spectrum analyzer or EMI receiver if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the ON and OFF times of the transmitted signal:

- 1) Set the center frequency of the instrument to the center frequency of the transmission.
- 2) Set  $RBW \geq OBW$  if possible; otherwise, set RBW to the largest available value.
- 3) Set  $VBW \geq RBW$ . Set detector = peak or average.
- 4) The zero-span measurement method shall not be used unless both RBW and VBW are  $> 50/T$  and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring the duty cycle shall not be used if  $T \leq 16.7 \mu s$ .)

### **3.7 Antenna Requirement**

#### **3.7.1 Applicable Standard**

FCC §15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §§15.211, 15.213, 15.217, 15.219, 15.221, or §15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

#### **3.7.2 Judgment**

**Result: Compliant.** Please refer to the Antenna Information detail in Section 1.

## 4. Test DATA AND RESULTS

### 4.1 AC Line Conducted Emissions

Serial Number:	2D1L-1	Test Date:	2023/12/5
Test Site:	CE	Test Mode:	Transmitting (maximum output power mode (802.11n ht20,5180MHz) was tested)
Tester:	David Huang	Test Result:	Pass

### Environmental Conditions:

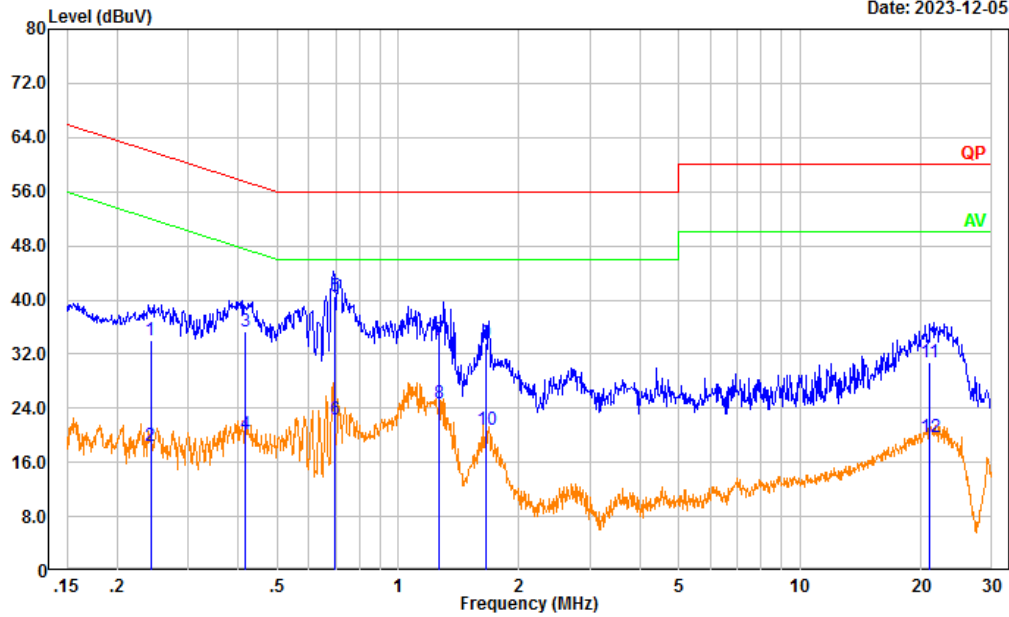
Temperature: (°C)	24.9	Relative Humidity: (%)	47	ATM Pressure: (kPa)	101.4
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### Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	LISN	ENV216	101134	2023/3/31	2024/3/30
R&S	EMI Test Receiver	ESR3	102726	2023/3/31	2024/3/30
MICRO-COAX	Coaxial Cable	UTIFLEX	C-0200-01	2023/8/6	2024/8/5
Audix	Test Software	E3	190306 (V9)	N/A	N/A

Project No.: CR231164493-RF  
 Tester: David Huang  
 Port: Line  
 Note: Transmitting (5G WIFI)

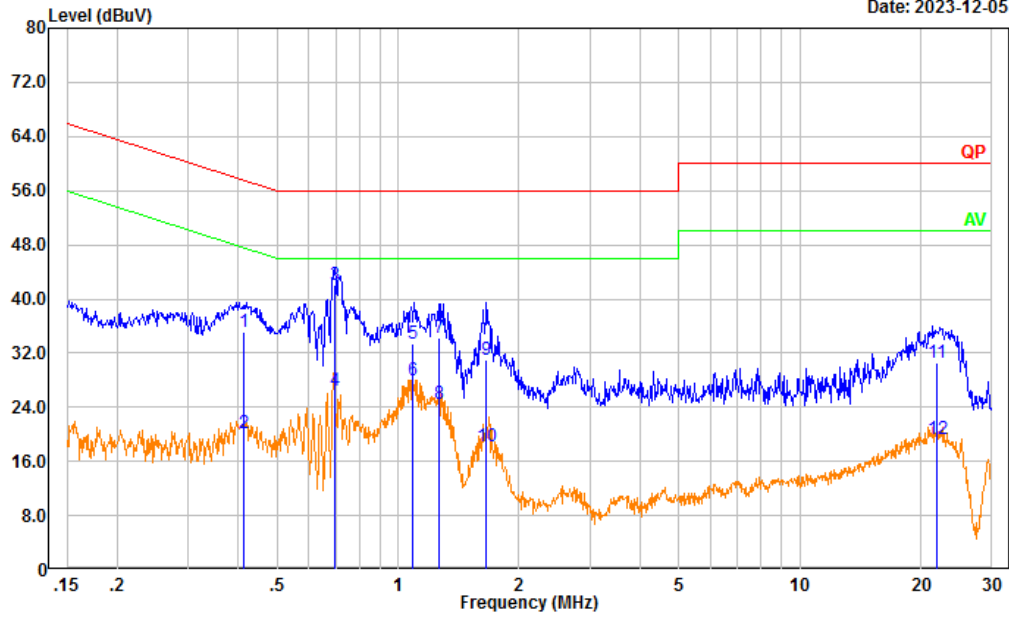
Date: 2023-12-05



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.242	24.42	9.61	34.03	62.02	27.99	QP
2	0.242	8.86	9.61	18.47	52.02	33.55	Average
3	0.417	25.76	9.61	35.37	57.51	22.14	QP
4	0.417	10.47	9.61	20.08	47.51	27.43	Average
5	0.698	30.92	9.62	40.54	56.00	15.46	QP
6	0.698	12.72	9.62	22.34	46.00	23.66	Average
7	1.265	24.42	9.62	34.04	56.00	21.96	QP
8	1.265	15.20	9.62	24.82	46.00	21.18	Average
9	1.662	24.01	9.63	33.64	56.00	22.36	QP
10	1.662	11.13	9.63	20.76	46.00	25.24	Average
11	20.992	20.90	9.80	30.70	60.00	29.30	QP
12	20.992	10.01	9.80	19.81	50.00	30.19	Average

Project No.: CR231164493-RF  
 Tester: David Huang  
 Port: neutral  
 Note: Transmitting (5G WIFI)

Date: 2023-12-05



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.412	25.52	9.61	35.13	57.61	22.48	QP
2	0.412	10.66	9.61	20.27	47.61	27.34	Average
3	0.697	32.53	9.62	42.15	56.00	13.85	QP
4	0.697	16.88	9.62	26.50	46.00	19.50	Average
5	1.083	23.74	9.62	33.36	56.00	22.64	QP
6	1.083	18.40	9.62	28.02	46.00	17.98	Average
7	1.261	24.67	9.62	34.29	56.00	21.71	QP
8	1.261	14.94	9.62	24.56	46.00	21.44	Average
9	1.653	21.45	9.63	31.08	56.00	24.92	QP
10	1.653	8.64	9.63	18.27	46.00	27.73	Average
11	21.920	20.92	9.73	30.65	60.00	29.35	QP
12	21.920	9.61	9.73	19.34	50.00	30.66	Average

## 4.2 Radiation Spurious Emissions

Serial Number:	2CHV-1	Test Date:	2023/12/7~2023/12/27
Test Site:	966-2,966-1	Test Mode:	Transmitting
Tester:	Jeff Luo, Tao Zhu	Test Result:	Pass

### Environmental Conditions:

Temperature: (°C)	25~25.9	Relative Humidity: (%)	48~57	ATM Pressure: (kPa)	101.5~101.9
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### Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
<b>Radiation Spurious Emissions Below 1GHz</b>					
Sunol Sciences	Antenna	JB6	A082520-6	2023/9/18	2026/9/17
BACL	Loop Antenna	1313-1P	3092721	2023/10/20	2026/10/19
R&S	EMI Test Receiver	ESR3	102724	2023/3/31	2024/3/30
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0470-02	2023/7/16	2024/7/15
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0780-01	2023/7/16	2024/7/15
Sonoma	Amplifier	310N	186165	2023/7/16	2024/7/15
Audix	Test Software	E3	201021 (V9)	N/A	N/A
<b>Radiation Spurious Emissions Above 1GHz</b>					
AH	Double Ridge Guide Horn Antenna	SAS-571	1394	2023/2/22	2026/2/21
R&S	Spectrum Analyzer	FSV40	101591	2023/3/31	2024/3/30
MICRO-COAX	Coaxial Cable	UFA210A-1-1200-70U300	217423-008	2023/8/6	2024/8/5
MICRO-COAX	Coaxial Cable	UFA210A-1-2362-300300	235780-001	2023/8/6	2024/8/5
Mini	Pre-amplifier	ZVA-183-S+	5969001149	2023/11/8	2024/11/7
Audix	Test Software	E3	201021 (V9)	N/A	N/A
PASTERNAK	Horn Antenna	PE9852/2F-20	112002	2021/2/5	2024/2/4
Quinstar	Preamplifier	QLW-18405536-JO	15964001005	2023/9/15	2024/9/14
MICRO-COAX	Coaxial Cable	UFB142A-1-2362-200200	235772-001	2023/8/6	2024/8/5
E-Microwave	Band Rejection Filter	5150-5850MHz	OE01902423	2023/8/6	2024/8/5
Mini Circuits	High Pass Filter	VHF-6010+	31119	2023/8/6	2024/8/5
PASTERNAK	Horn Antenna	PE9850/2F-20	072001	2021/2/5	2024/2/4

\* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

### Test Data:

Please refer to the below table and plots.

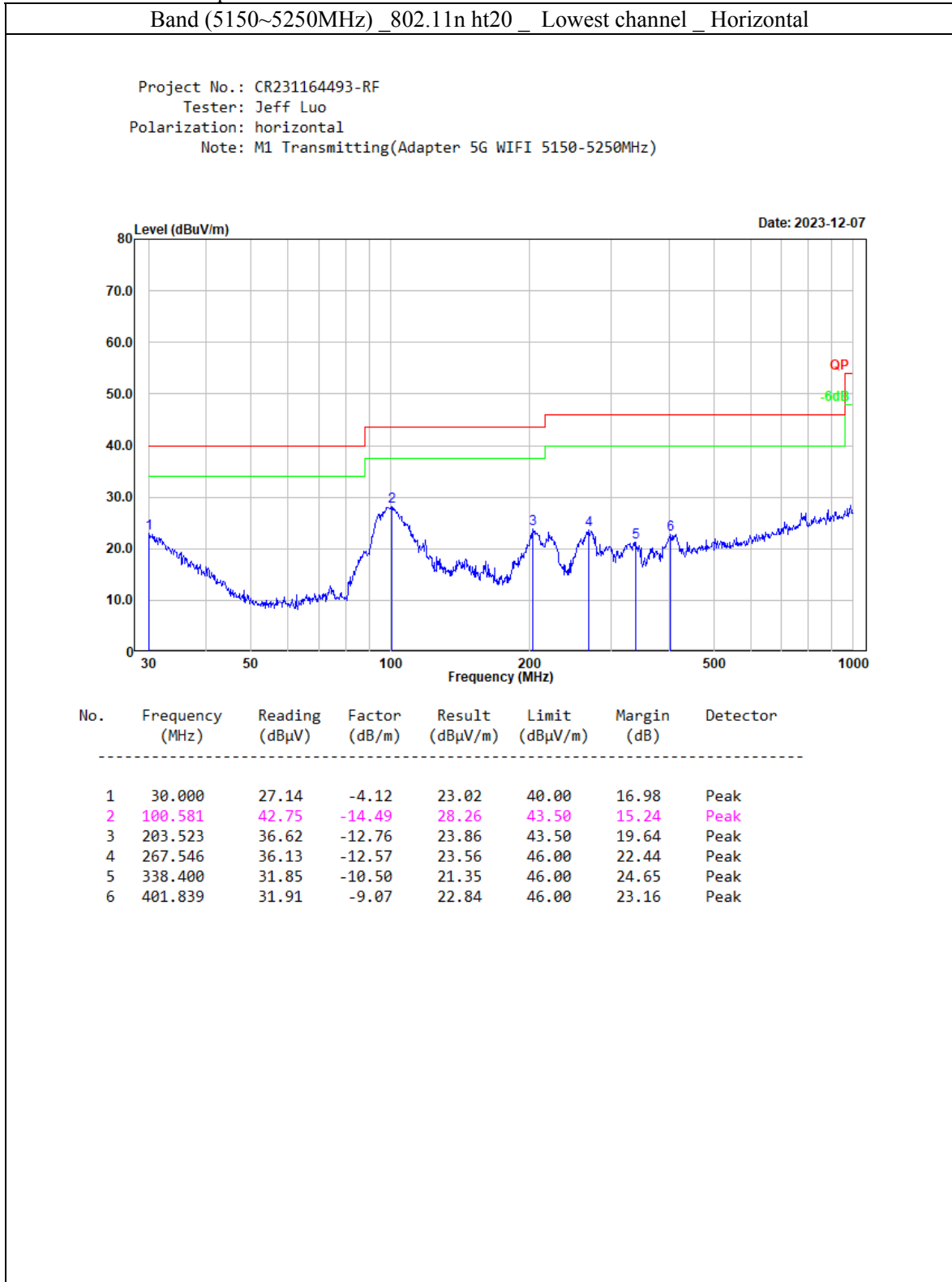
After pre-scan in the X, Y and Z axes of orientation, the worst-case Y axes is below:

**1) Radiation Spurious Emissions Test Data (9kHz~30MHz)**

The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report.

**2) Radiation Spurious Emissions Test Data (30MHz-1GHz)**

Please refer to the below plots.

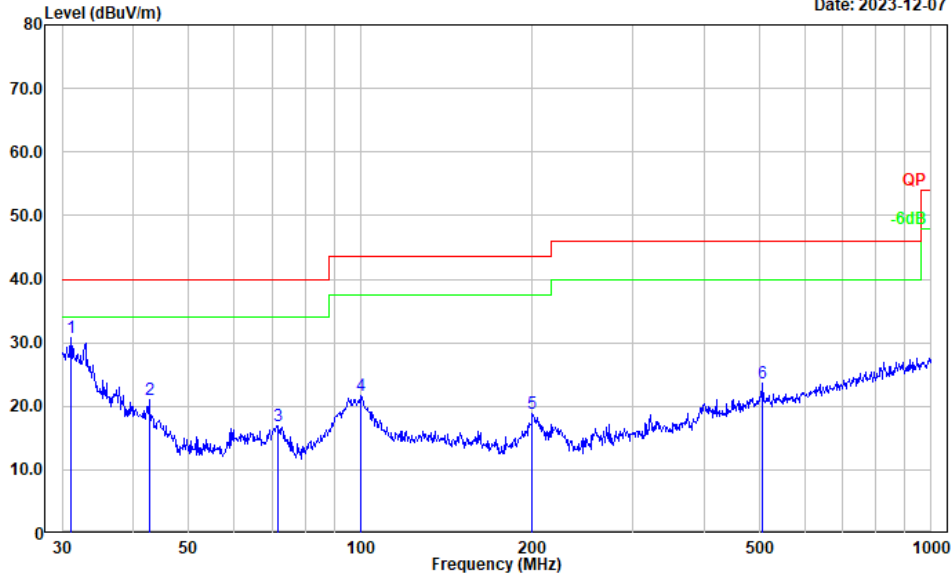




Band (5150~5250MHz) \_802.11n ht20 \_ Lowest channel \_ Vertical

Project No.: CR231164493-RF  
 Tester: Jeff Luo  
 Polarization: vertical  
 Note: M1 Transmitting(Adapter 5G WIFI 5150-5250MHz)

Date: 2023-12-07

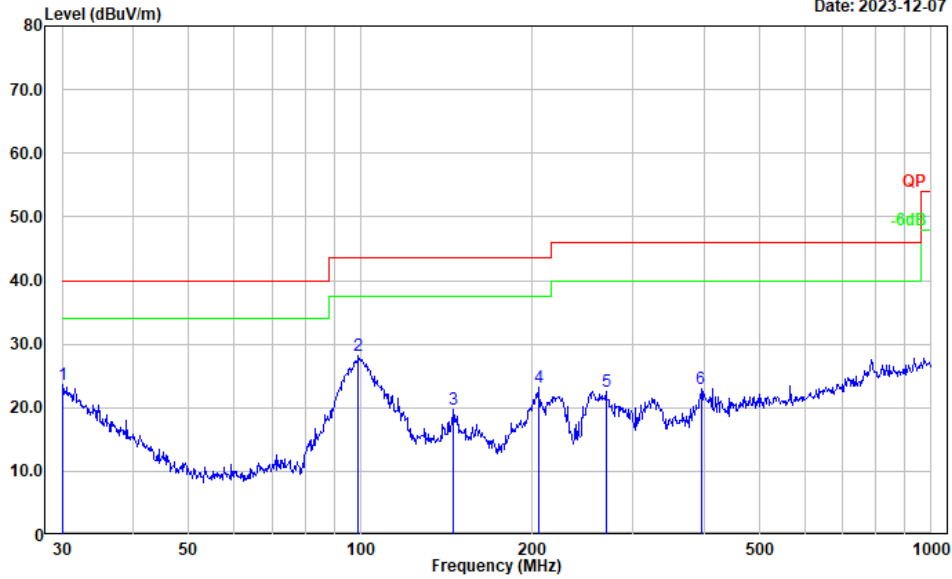


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	31.071	35.75	-4.94	30.81	40.00	9.19	Peak
2	42.600	34.14	-13.20	20.94	40.00	19.06	Peak
3	71.581	34.04	-17.08	16.96	40.00	23.04	Peak
4	99.878	36.34	-14.66	21.68	43.50	21.82	Peak
5	199.986	31.49	-12.58	18.91	43.50	24.59	Peak
6	506.479	30.05	-6.33	23.72	46.00	22.28	Peak

Band (5150~5250MHz) \_ 802.11n ht20 \_ Middle channel \_ Horizontal

Project No.: CR231164493-RF  
 Tester: Jeff Luo  
 Polarization: horizontal  
 Note: M1 Transmitting(Adapter 5G WIFI 5150-5250MHz)

Date: 2023-12-07

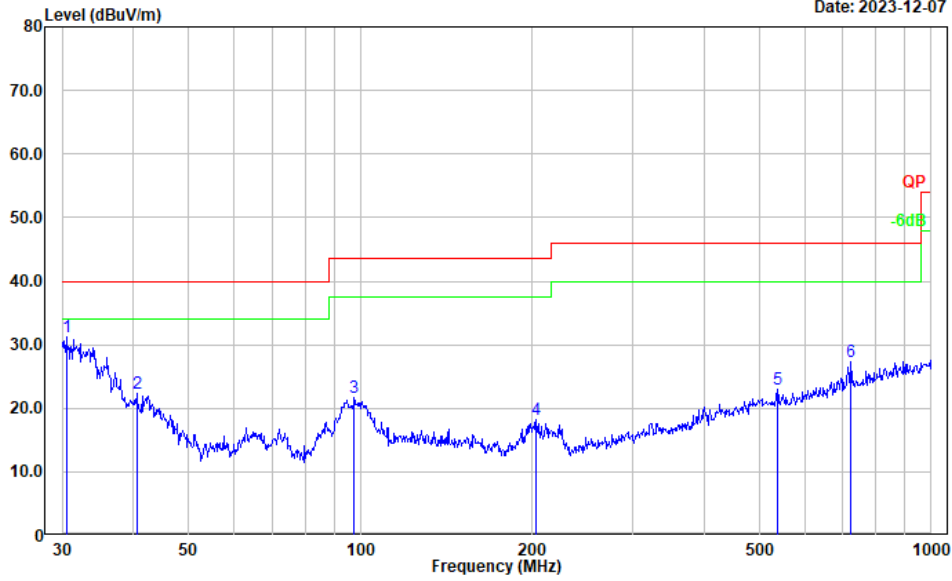


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.000	27.76	-4.12	23.64	40.00	16.36	Peak
2	99.180	42.91	-14.81	28.10	43.50	15.40	Peak
3	145.351	31.92	-12.15	19.77	43.50	23.73	Peak
4	204.955	35.97	-12.84	23.13	43.50	20.37	Peak
5	269.428	35.05	-12.50	22.55	46.00	23.45	Peak
6	394.855	32.19	-9.23	22.96	46.00	23.04	Peak

Band (5150~5250MHz) \_802.11n ht20 \_ Middle channel \_ Vertical

Project No.: CR231164493-RF  
 Tester: Jeff Luo  
 Polarization: vertical  
 Note: M1 Transmitting(Adapter 5G WIFI 5150-5250MHz)

Date: 2023-12-07

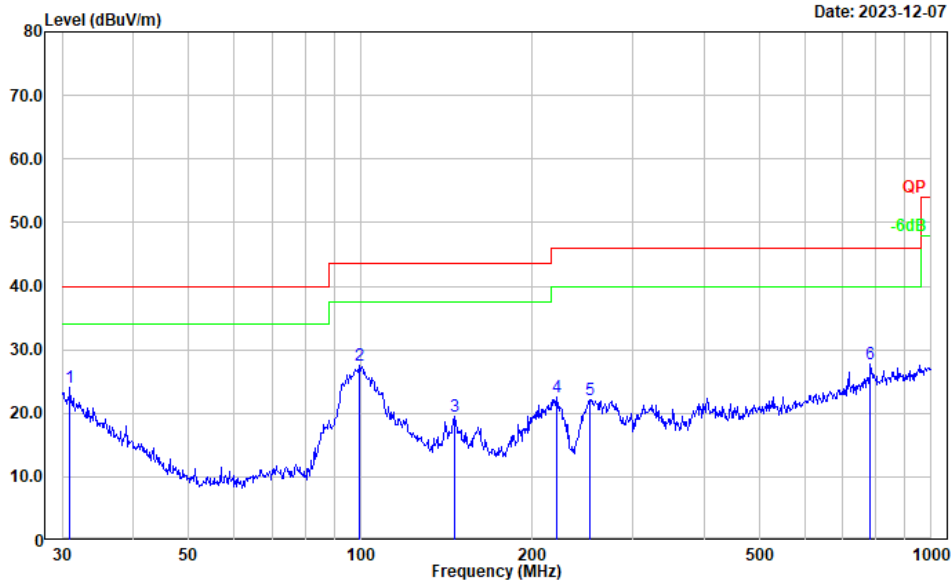


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.531	35.66	-4.53	31.13	40.00	8.87	Peak
2	40.559	34.41	-12.04	22.37	40.00	17.63	Peak
3	97.456	36.83	-15.26	21.57	43.50	21.93	Peak
4	203.523	30.89	-12.76	18.13	43.50	25.37	Peak
5	537.589	29.23	-6.22	23.01	46.00	22.99	Peak
6	724.261	31.04	-3.62	27.42	46.00	18.58	Peak

Band (5150~5250MHz) \_ 802.11n ht20 \_ Highest channel \_ Horizontal

Project No.: CR231164493-RF  
 Tester: Jeff Luo  
 Polarization: horizontal  
 Note: M1 Transmitting(Adapter 5G WIFI 5150-5250MHz)

Date: 2023-12-07

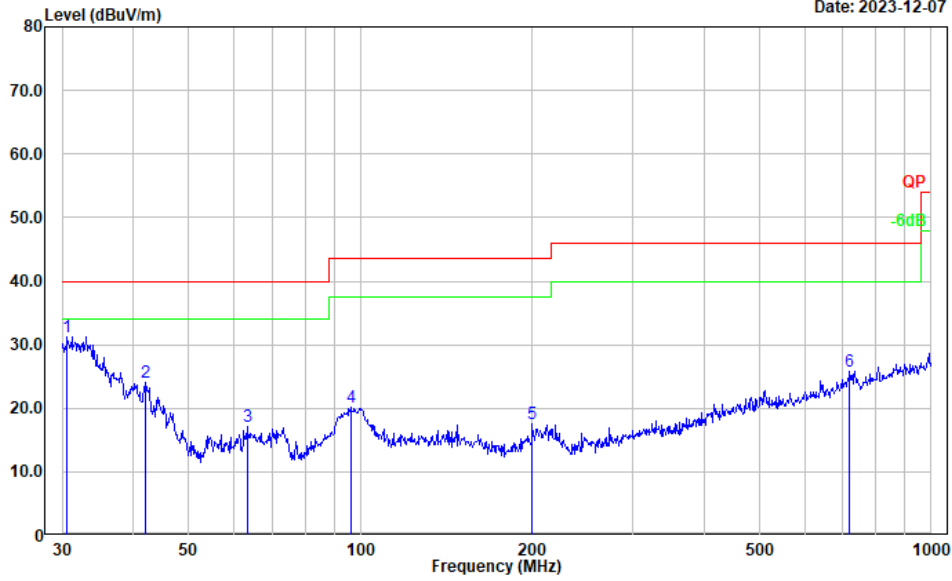


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.962	29.01	-4.86	24.15	40.00	15.85	Peak
2	99.528	42.26	-14.74	27.52	43.50	15.98	Peak
3	146.374	31.62	-12.18	19.44	43.50	24.06	Peak
4	220.617	35.75	-13.18	22.57	46.00	23.43	Peak
5	252.063	35.63	-13.52	22.11	46.00	23.89	Peak
6	782.345	30.47	-2.72	27.75	46.00	18.25	Peak

Band (5150~5250MHz) \_802.11n ht20\_ Highest channel \_ Vertical

Project No.: CR231164493-RF  
 Tester: Jeff Luo  
 Polarization: vertical  
 Note: M1 Transmitting(Adapter 5G WIFI 5150-5250MHz)

Date: 2023-12-07

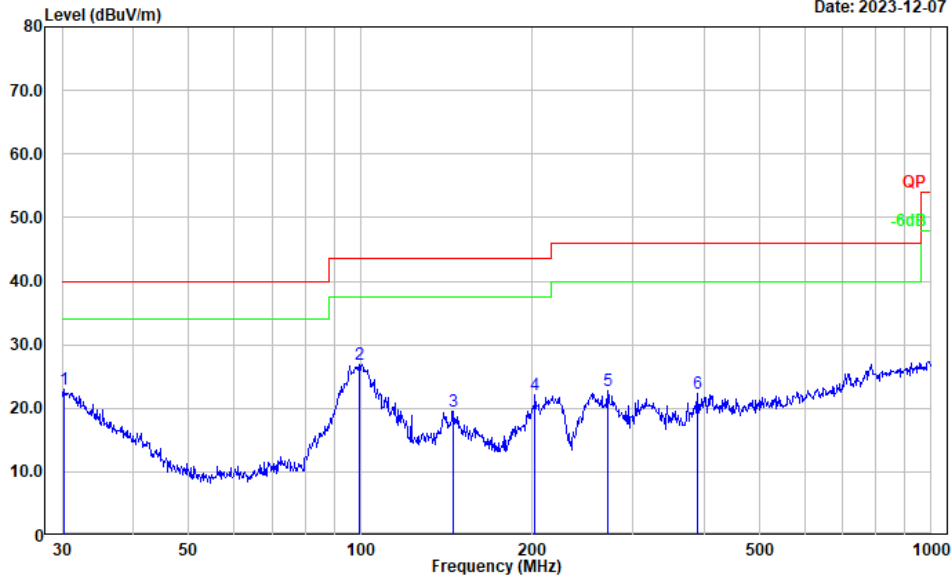


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.638	35.92	-4.61	31.31	40.00	8.69	Peak
2	42.007	36.91	-12.84	24.07	40.00	15.93	Peak
3	63.313	34.58	-17.39	17.19	40.00	22.81	Peak
4	96.099	35.75	-15.61	20.14	43.50	23.36	Peak
5	199.986	30.05	-12.58	17.47	43.50	26.03	Peak
6	719.200	29.41	-3.65	25.76	46.00	20.24	Peak

Band (5250~5350MHz) \_802.11a\_ Lowest channel\_ Horizontal

Project No.: CR231164493-RF  
 Tester: Jeff Luo  
 Polarization: horizontal  
 Note: M1 Transmitting(Adapter 5G WIFI 5250-5350MHz)

Date: 2023-12-07

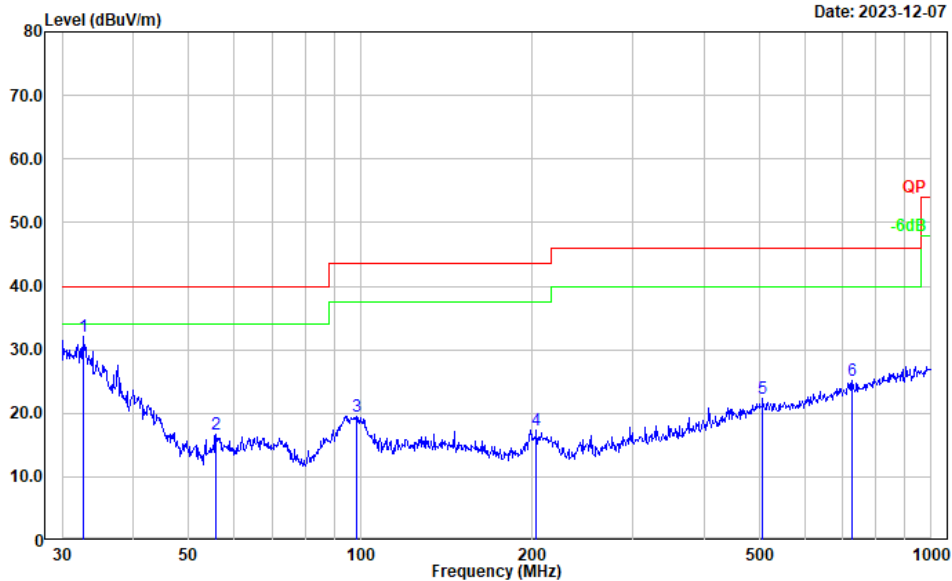


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.317	27.23	-4.36	22.87	40.00	17.13	Peak
2	99.528	41.61	-14.74	26.87	43.50	16.63	Peak
3	145.351	31.77	-12.15	19.62	43.50	23.88	Peak
4	202.100	34.73	-12.70	22.03	43.50	21.47	Peak
5	271.325	35.07	-12.40	22.67	46.00	23.33	Peak
6	389.355	31.72	-9.36	22.36	46.00	23.64	Peak

Band (5250~5350MHz) \_802.11a \_Lowest channel\_ Vertical

Project No.: CR231164493-RF  
 Tester: Jeff Luo  
 Polarization: vertical  
 Note: M1 Transmitting(Adapter 5G WIFI 5250-5350MHz)

Date: 2023-12-07

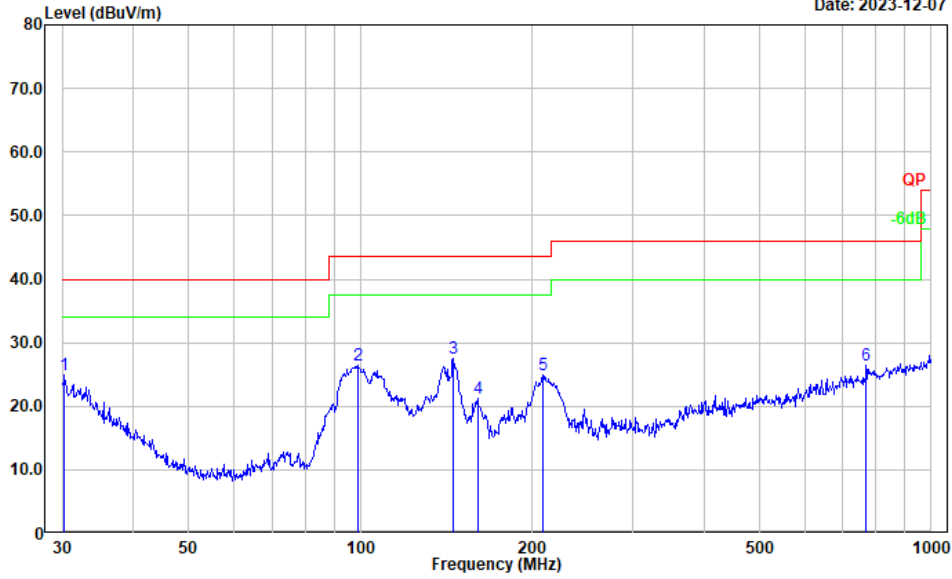


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	32.634	38.30	-6.14	32.16	40.00	7.84	Peak
2	55.805	34.21	-17.53	16.68	40.00	23.32	Peak
3	98.487	34.47	-14.97	19.50	43.50	24.00	Peak
4	203.523	30.15	-12.76	17.39	43.50	26.11	Peak
5	506.479	28.58	-6.33	22.25	46.00	23.75	Peak
6	726.805	28.66	-3.60	25.06	46.00	20.94	Peak

Band (5250~5350MHz) \_ 802.11a \_ Middle Channel \_ Horizontal

Project No.: CR231164493-RF  
 Tester: Jeff Luo  
 Polarization: horizontal  
 Note: M1 Transmitting(Adapter 5G WIFI 5250-5350MHz)

Date: 2023-12-07



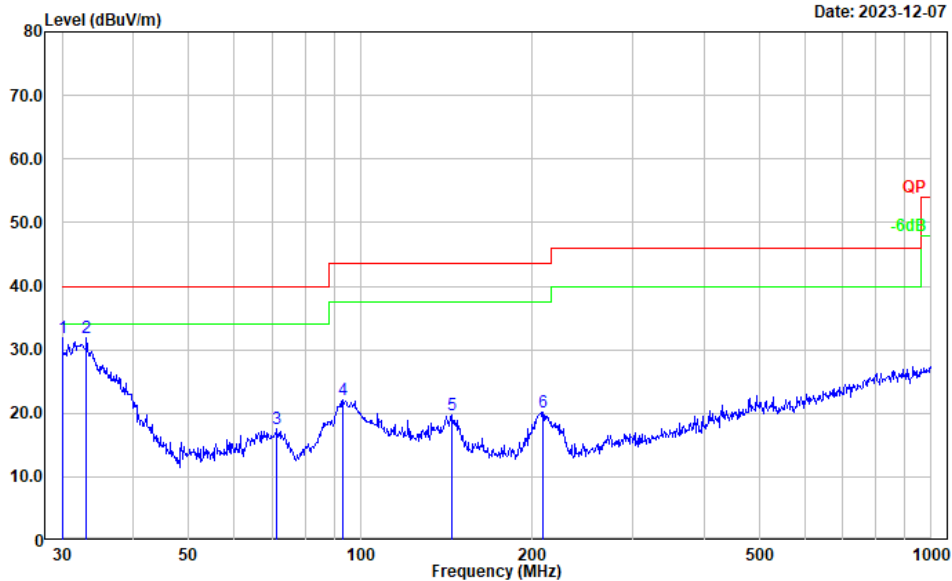
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.317	29.37	-4.36	25.01	40.00	14.99	Peak
2	98.833	41.45	-14.89	26.56	43.50	16.94	Peak
3	145.351	39.66	-12.15	27.51	43.50	15.99	Peak
4	160.346	33.65	-12.40	21.25	43.50	22.25	Peak
5	208.580	37.90	-12.91	24.99	43.50	18.51	Peak
6	768.748	29.39	-2.94	26.45	46.00	19.55	Peak



Band (5250~5350MHz) \_802.11a\_ Middle Channel\_ Vertical

Project No.: CR231164493-RF  
 Tester: Jeff Luo  
 Polarization: vertical  
 Note: M1 Transmitting(Adapter 5G WIFI 5250-5350MHz)

Date: 2023-12-07

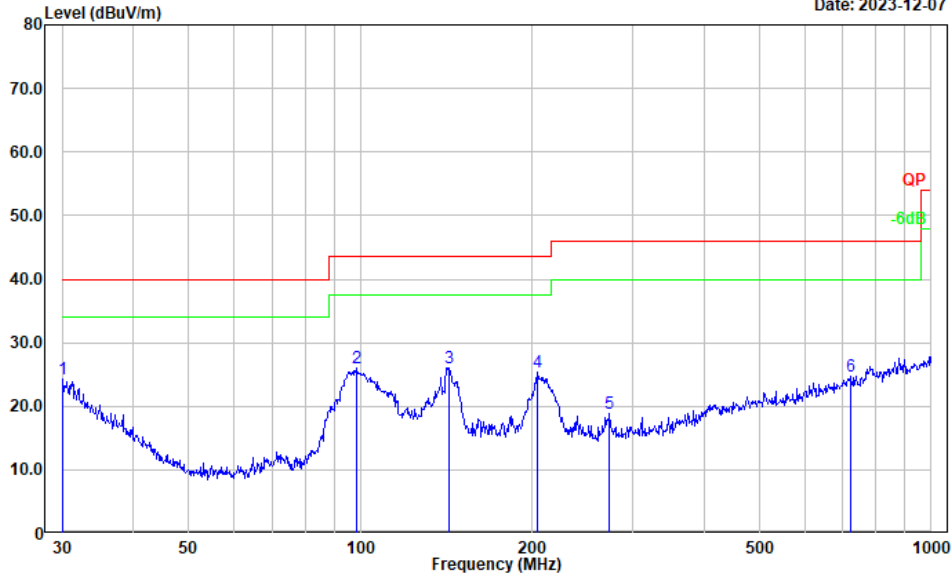


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.000	35.98	-4.12	31.86	40.00	8.14	Peak
2	33.095	38.35	-6.50	31.85	40.00	8.15	Peak
3	71.330	34.73	-17.06	17.67	40.00	22.33	Peak
4	93.113	38.58	-16.42	22.16	43.50	21.34	Peak
5	144.842	31.76	-12.14	19.62	43.50	23.88	Peak
6	208.580	33.14	-12.91	20.23	43.50	23.27	Peak

Band (5250~5350MHz) \_802.11a\_ Highest Channel\_ Horizontal

Project No.: CR231164493-RF  
 Tester: Jeff Luo  
 Polarization: horizontal  
 Note: M1 Transmitting(Adapter 5G WIFI 5250-5350MHz)

Date: 2023-12-07

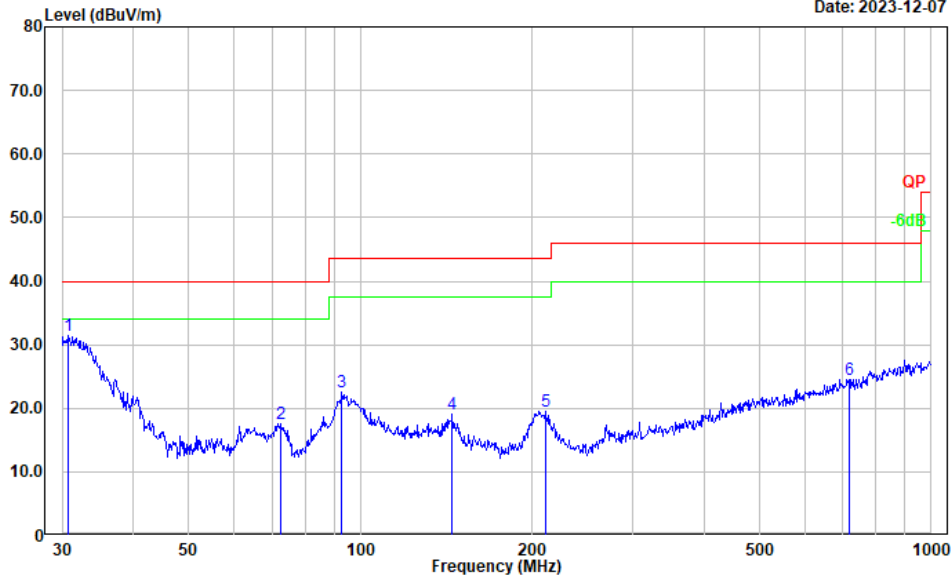


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.105	28.51	-4.20	24.31	40.00	15.69	Peak
2	98.487	41.01	-14.97	26.04	43.50	17.46	Peak
3	143.326	38.25	-12.13	26.12	43.50	17.38	Peak
4	204.238	38.07	-12.79	25.28	43.50	18.22	Peak
5	273.234	31.27	-12.31	18.96	46.00	27.04	Peak
6	721.726	28.41	-3.63	24.78	46.00	21.22	Peak

Band (5250~5350MHz)\_Highest Channel\_ Vertical

Project No.: CR231164493-RF  
 Tester: Jeff Luo  
 Polarization: vertical  
 Note: M1 Transmitting(Adapter 5G WIFI 5250-5350MHz)

Date: 2023-12-07

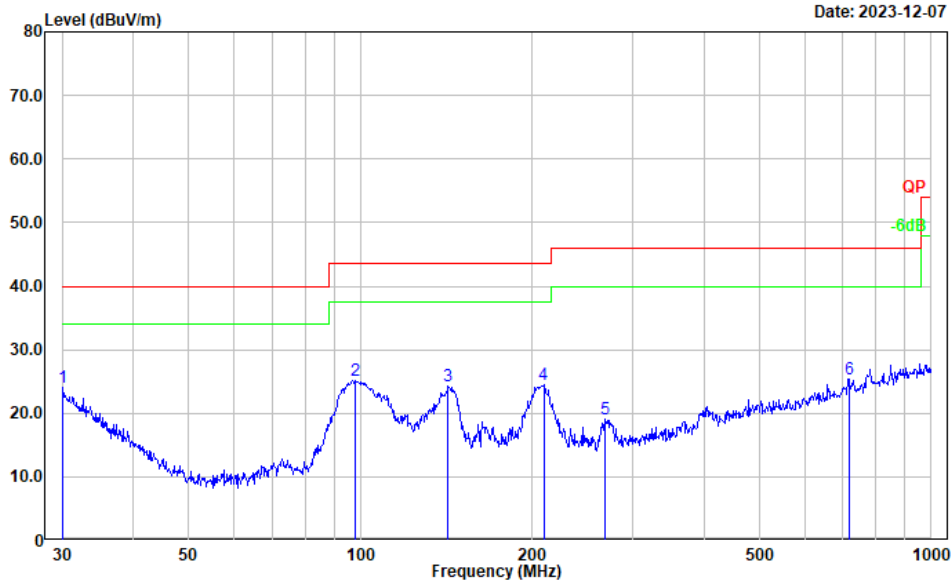


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.745	36.13	-4.69	31.44	40.00	8.56	Peak
2	72.338	34.78	-17.14	17.64	40.00	22.36	Peak
3	92.787	39.00	-16.52	22.48	43.50	21.02	Peak
4	144.842	31.24	-12.14	19.10	43.50	24.40	Peak
5	210.786	32.48	-12.96	19.52	43.50	23.98	Peak
6	719.200	28.26	-3.65	24.61	46.00	21.39	Peak

Band (5470~5725MHz) \_802.11a \_Lowest Channel\_ Horizontal

Project No.: CR231164493-RF  
 Tester: Jeff Luo  
 Polarization: horizontal  
 Note: M1 Transmitting(Adapter 5G WIFI 5470-5725MHz)

Date: 2023-12-07

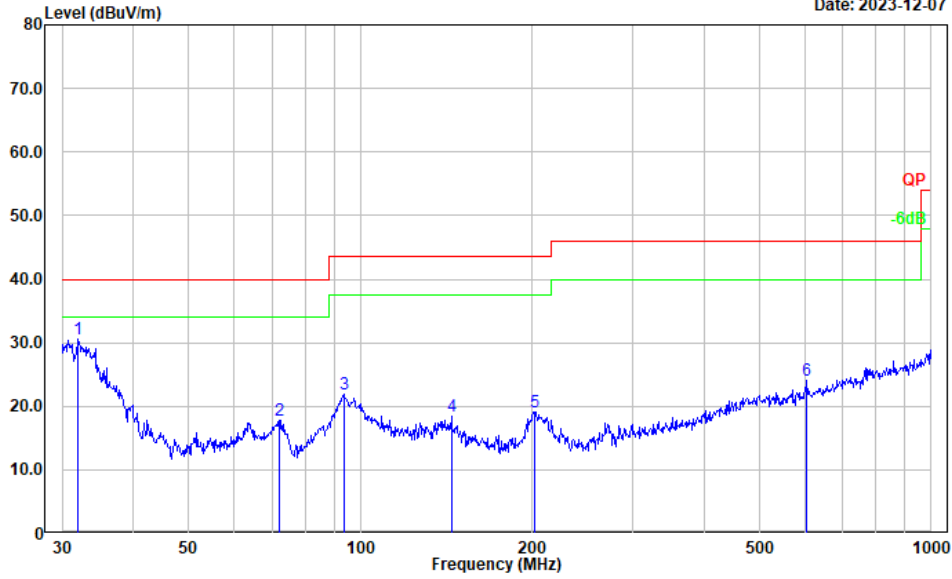


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.105	28.26	-4.20	24.06	40.00	15.94	Peak
2	98.142	40.15	-15.06	25.09	43.50	18.41	Peak
3	142.324	36.37	-12.11	24.26	43.50	19.24	Peak
4	209.313	37.48	-12.92	24.56	43.50	18.94	Peak
5	267.546	31.63	-12.57	19.06	46.00	26.94	Peak
6	716.682	29.06	-3.69	25.37	46.00	20.63	Peak

Band (5470~5725MHz) \_802.11a\_ Lowest Channel\_ Vertical

Project No.: CR231164493-RF  
 Tester: Jeff Luo  
 Polarization: vertical  
 Note: M1 Transmitting(Adapter 5G WIFI 5470-5725MHz)

Date: 2023-12-07

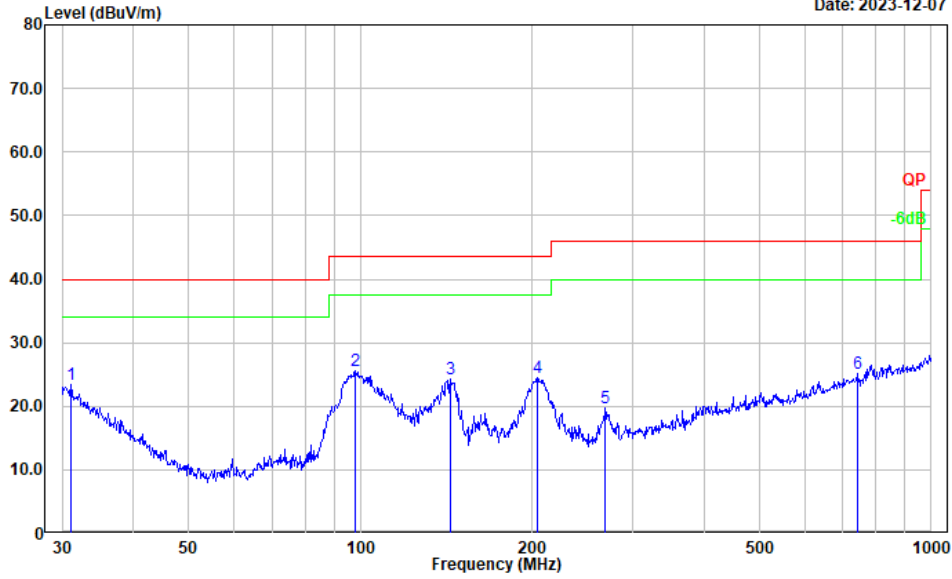


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	31.955	36.12	-5.60	30.52	40.00	9.48	Peak
2	72.084	34.94	-17.13	17.81	40.00	22.19	Peak
3	93.440	38.20	-16.35	21.85	43.50	21.65	Peak
4	144.335	30.49	-12.14	18.35	43.50	25.15	Peak
5	202.100	31.85	-12.70	19.15	43.50	24.35	Peak
6	605.659	29.30	-5.22	24.08	46.00	21.92	Peak

Band (5470~5725MHz) \_802.11a\_Middle Channel\_ Horizontal

Project No.: CR231164493-RF  
 Tester: Jeff Luo  
 Polarization: horizontal  
 Note: M1 Transmitting(Adapter 5G WIFI 5470-5725MHz)

Date: 2023-12-07

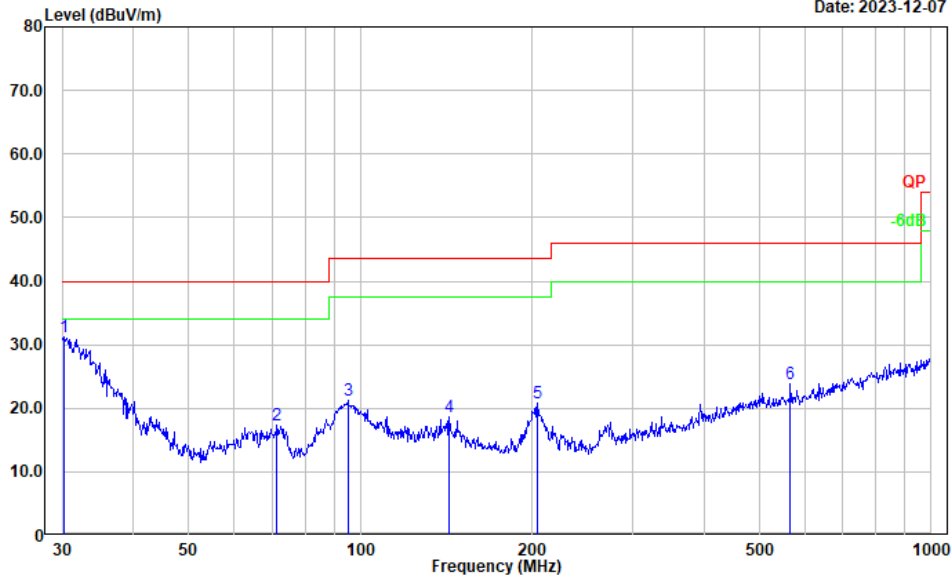


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	31.071	28.37	-4.94	23.43	40.00	16.57	Peak
2	97.798	40.67	-15.16	25.51	43.50	17.99	Peak
3	143.830	36.42	-12.13	24.29	43.50	19.21	Peak
4	204.238	37.19	-12.79	24.40	43.50	19.10	Peak
5	268.485	32.29	-12.54	19.75	46.00	26.25	Peak
6	742.259	28.45	-3.39	25.06	46.00	20.94	Peak

Band (5470~5725MHz) \_802.11a\_ Middle Channel\_ Vertical

Project No.: CR231164493-RF  
 Tester: Jeff Luo  
 Polarization: vertical  
 Note: M1 Transmitting(Adapter 5G WIFI 5470-5725MHz)

Date: 2023-12-07

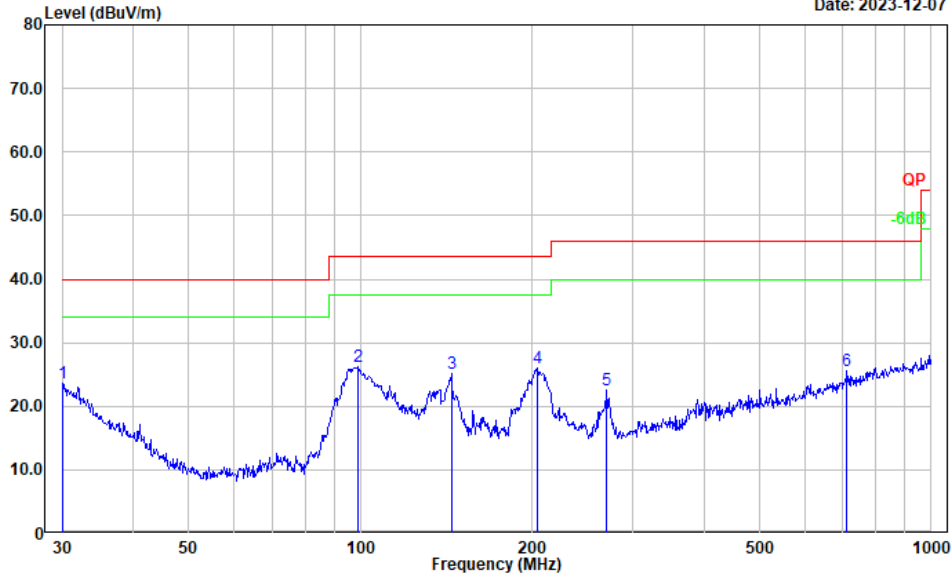


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.211	35.50	-4.28	31.22	40.00	8.78	Peak
2	71.330	34.47	-17.06	17.41	40.00	22.59	Peak
3	95.093	37.11	-15.91	21.20	43.50	22.30	Peak
4	143.326	30.74	-12.13	18.61	43.50	24.89	Peak
5	204.238	33.67	-12.79	20.88	43.50	22.62	Peak
6	566.622	29.88	-5.97	23.91	46.00	22.09	Peak

Band (5470~5725MHz) \_802.11a\_Highest Channel\_Horizontal

Project No.: CR231164493-RF  
 Tester: Jeff Luo  
 Polarization: horizontal  
 Note: M1 Transmitting(Adapter 5G WIFI 5470-5725MHz)

Date: 2023-12-07



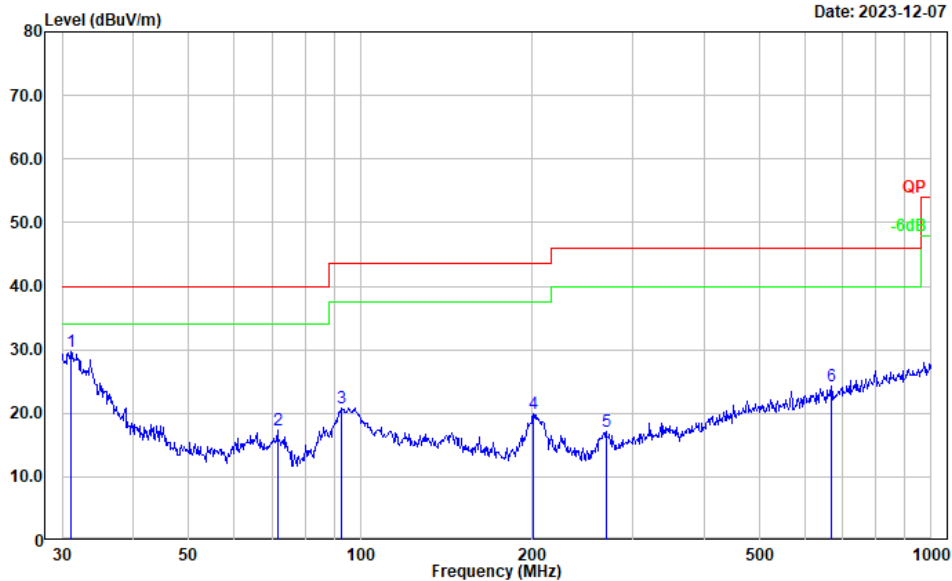
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.000	27.69	-4.12	23.57	40.00	16.43	Peak
2	98.833	41.07	-14.89	26.18	43.50	17.32	Peak
3	144.335	37.19	-12.14	25.05	43.50	18.45	Peak
4	204.238	38.77	-12.79	25.98	43.50	17.52	Peak
5	270.375	35.03	-12.45	22.58	46.00	23.42	Peak
6	711.674	29.43	-3.76	25.67	46.00	20.33	Peak



Band (5470~5725MHz) \_802.11a\_Highest Channel\_ Vertical

Project No.: CR231164493-RF  
 Tester: Jeff Luo  
 Polarization: vertical  
 Note: M1 Transmitting(Adapter 5G WIFI 5470-5725MHz)

Date: 2023-12-07

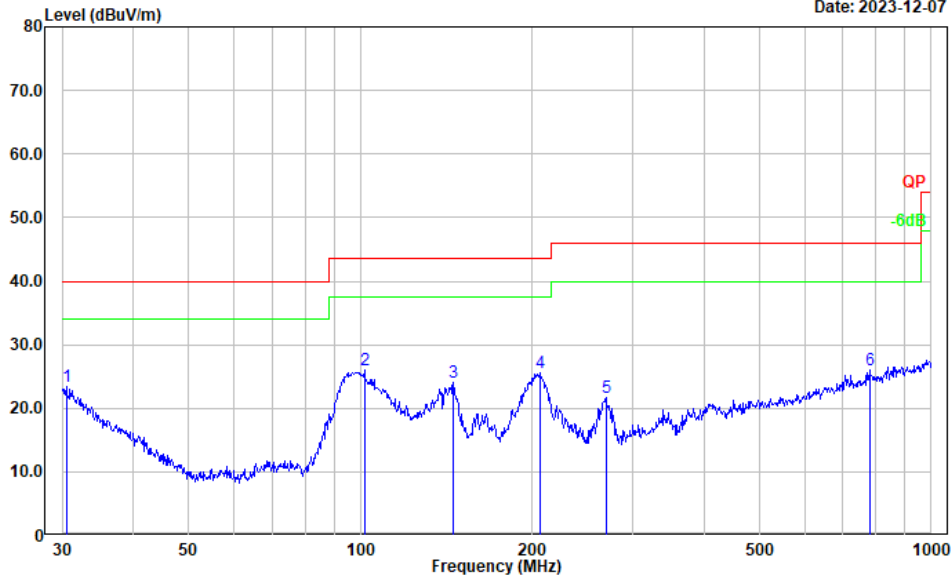


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	31.071	34.68	-4.94	29.74	40.00	10.26	Peak
2	71.581	34.34	-17.08	17.26	40.00	22.74	Peak
3	92.787	37.43	-16.52	20.91	43.50	22.59	Peak
4	200.688	32.59	-12.61	19.98	43.50	23.52	Peak
5	269.428	29.54	-12.50	17.04	46.00	28.96	Peak
6	668.142	28.73	-4.43	24.30	46.00	21.70	Peak

Band (5725~5850MHz) \_802.11n ht20\_ Lowest Channel\_ Horizontal

Project No.: CR231164493-RF  
 Tester: Jeff Luo  
 Polarization: horizontal  
 Note: M1 Transmitting(Adapter 5G WIFI 5725-5850MHz)

Date: 2023-12-07

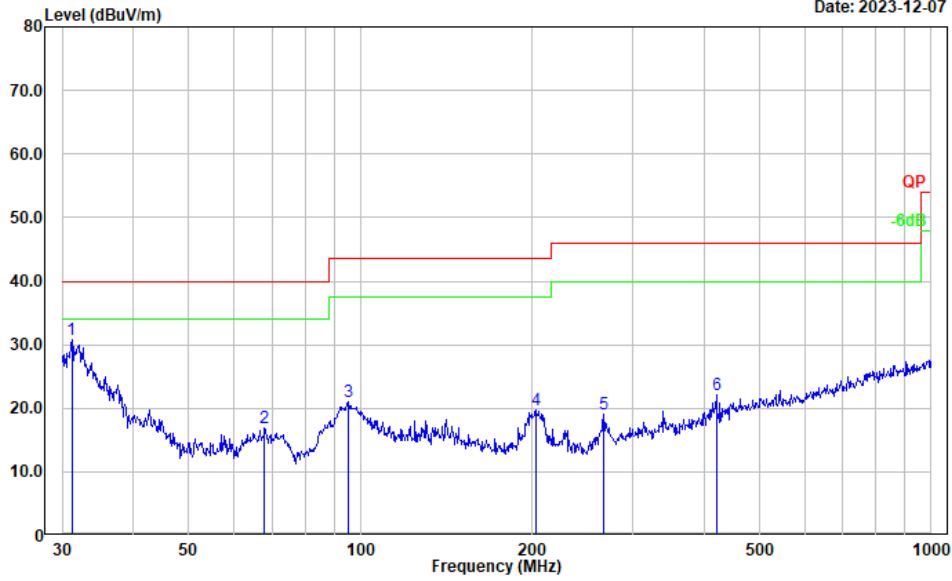


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.531	28.01	-4.53	23.48	40.00	16.52	Peak
2	101.644	40.31	-14.31	26.00	43.50	17.50	Peak
3	145.351	36.13	-12.15	23.98	43.50	19.52	Peak
4	206.398	38.48	-12.86	25.62	43.50	17.88	Peak
5	269.428	34.08	-12.50	21.58	46.00	24.42	Peak
6	779.607	28.72	-2.77	25.95	46.00	20.05	Peak

Band (5725~5850MHz) \_802.11n ht20\_ Lowest Channel\_ Vertical

Project No.: CR231164493-RF  
 Tester: Jeff Luo  
 Polarization: vertical  
 Note: M1 Transmitting(Adapter 5G WIFI 5725-5850MHz)

Date: 2023-12-07

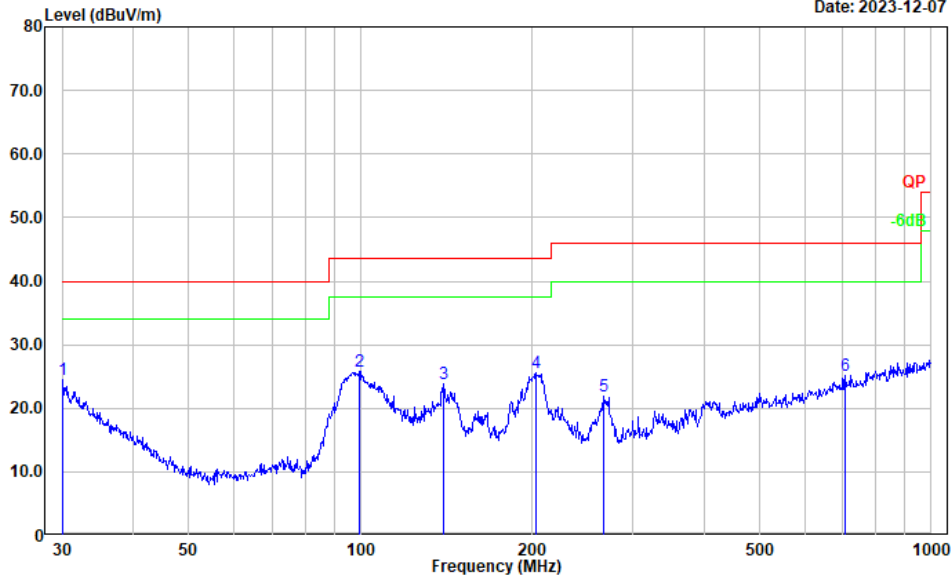


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	31.180	35.74	-5.02	30.72	40.00	9.28	Peak
2	67.913	33.92	-17.11	16.81	40.00	23.19	Peak
3	95.427	36.85	-15.81	21.04	43.50	22.46	Peak
4	203.523	32.46	-12.76	19.70	43.50	23.80	Peak
5	266.609	31.64	-12.60	19.04	46.00	26.96	Peak
6	420.580	30.34	-8.32	22.02	46.00	23.98	Peak

Band (5725~5850MHz) \_802.11n ht20 \_Middle Channel\_ Horizontal

Project No.: CR231164493-RF  
 Tester: Jeff Luo  
 Polarization: horizontal  
 Note: M1 Transmitting(Adapter 5G WIFI 5725-5850MHz)

Date: 2023-12-07

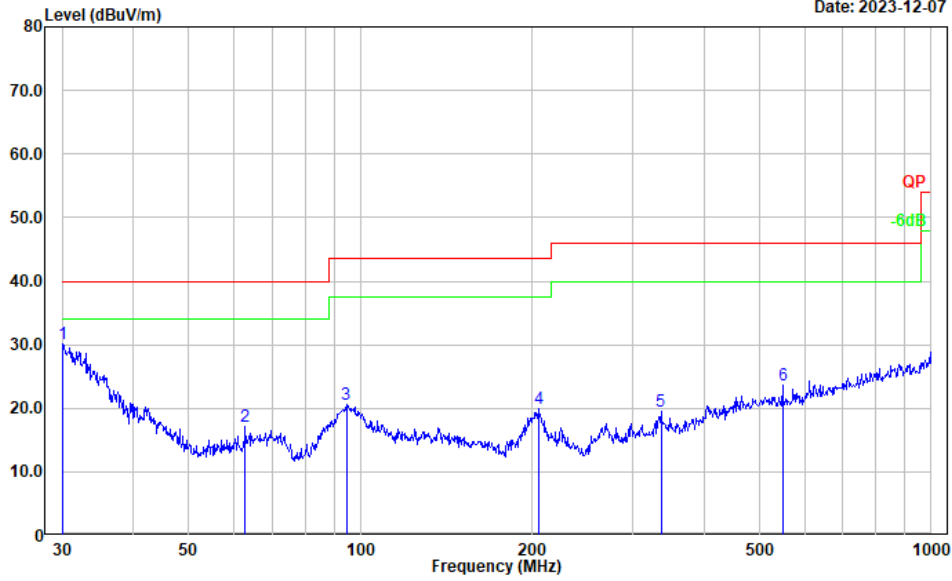


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.105	28.76	-4.20	24.56	40.00	15.44	Peak
2	99.528	40.53	-14.74	25.79	43.50	17.71	Peak
3	139.851	35.98	-12.04	23.94	43.50	19.56	Peak
4	203.523	38.32	-12.76	25.56	43.50	17.94	Peak
5	266.609	34.45	-12.60	21.85	46.00	24.15	Peak
6	706.700	28.99	-3.81	25.18	46.00	20.82	Peak

Band (5725~5850MHz) \_802.11n ht20\_ Middle Channel\_ Vertical

Project No.: CR231164493-RF  
 Tester: Jeff Luo  
 Polarization: vertical  
 Note: M1 Transmitting(Adapter 5G WIFI 5725-5850MHz)

Date: 2023-12-07

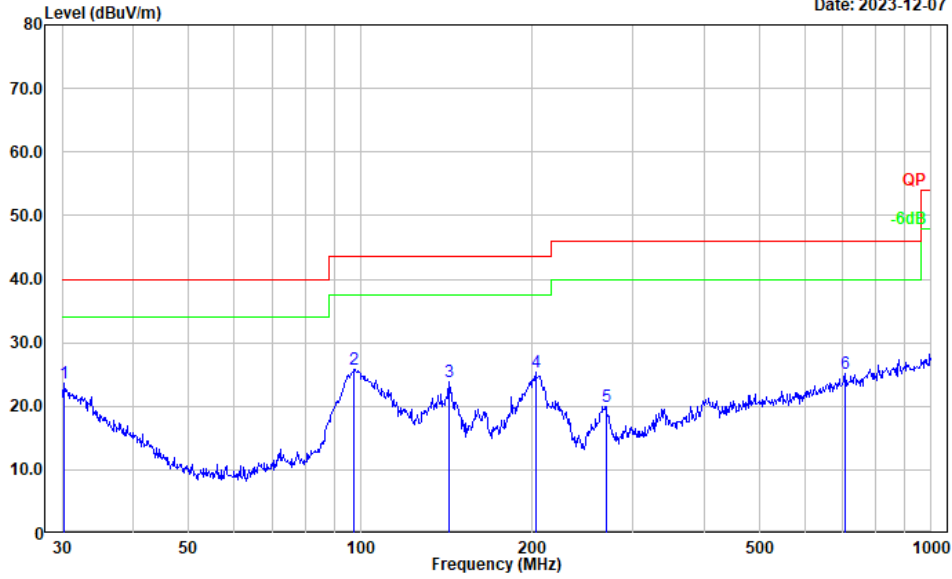


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.105	34.31	-4.20	30.11	40.00	9.89	Peak
2	62.871	34.47	-17.42	17.05	40.00	22.95	Peak
3	94.428	36.75	-16.10	20.65	43.50	22.85	Peak
4	204.955	32.70	-12.84	19.86	43.50	23.64	Peak
5	336.035	29.98	-10.55	19.43	46.00	26.57	Peak
6	549.020	29.90	-6.19	23.71	46.00	22.29	Peak

Band (5725~5850MHz) \_802.11n ht20\_ Highest Channel\_ Horizontal

Project No.: CR231164493-RF  
 Tester: Jeff Luo  
 Polarization: horizontal  
 Note: M1 Transmitting(Adapter 5G WIFI 5725-5850MHz)

Date: 2023-12-07

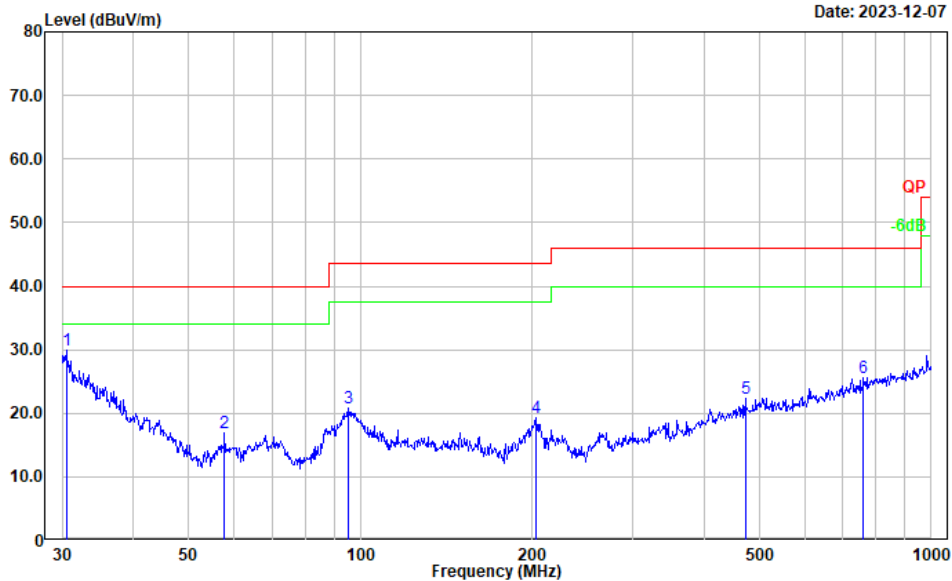


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.317	27.97	-4.36	23.61	40.00	16.39	Peak
2	97.456	41.13	-15.26	25.87	43.50	17.63	Peak
3	142.824	35.90	-12.11	23.79	43.50	19.71	Peak
4	202.810	37.99	-12.72	25.27	43.50	18.23	Peak
5	269.428	32.46	-12.50	19.96	46.00	26.04	Peak
6	706.700	28.99	-3.81	25.18	46.00	20.82	Peak

Band (5725~5850MHz) \_802.11n ht20\_ Highest Channel\_ Vertical

Project No.: CR231164493-RF  
 Tester: Jeff Luo  
 Polarization: vertical  
 Note: M1 Transmitting(Adapter 5G WIFI 5725-5850MHz)

Date: 2023-12-07



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.531	34.35	-4.53	29.82	40.00	10.18	Peak
2	57.796	34.37	-17.56	16.81	40.00	23.19	Peak
3	95.427	36.72	-15.81	20.91	43.50	22.59	Peak
4	203.523	32.10	-12.76	19.34	43.50	24.16	Peak
5	472.176	29.20	-6.83	22.37	46.00	23.63	Peak
6	760.704	28.84	-3.15	25.69	46.00	20.31	Peak

**3) Radiation Spurious Emissions Test Data (1GHz-40GHz)****5150-5250MHz:****802.11a Mode:**

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)
	Reading (dB $\mu$ V)	Detector					
Low Channel:				5180	MHz		
5150.000	45.25	PK	H	11.67	56.92	74.00	17.08
5150.000	30.47	AV	H	11.67	42.14	54.00	11.86
5150.000	45.66	PK	V	11.67	57.33	74.00	16.67
5150.000	31.52	AV	V	11.67	43.19	54.00	10.81
10360.000	33.58	PK	H	20.47	54.05	68.20	14.15
10360.000	33.69	PK	V	20.47	54.16	68.20	14.04
15540.000	33.52	PK	H	24.62	58.14	74.00	15.86
15540.000	20.41	AV	H	24.62	45.03	54.00	8.97
15540.000	33.54	PK	V	24.62	58.16	74.00	15.84
15540.000	20.66	AV	V	24.62	45.28	54.00	8.72
Middle Channel:				5200	MHz		
10400.000	33.58	PK	H	20.54	54.12	68.20	14.08
10400.000	33.68	PK	V	20.54	54.22	68.20	13.98
15600.000	33.74	PK	H	24.71	58.45	74.00	15.55
15600.000	20.56	AV	H	24.71	45.27	54.00	8.73
15600.000	33.82	PK	V	24.71	58.53	74.00	15.47
15600.000	20.73	AV	V	24.71	45.44	54.00	8.56
High Channel:				5240	MHz		
5350.000	44.30	PK	H	11.95	56.25	74.00	17.75
5350.000	30.58	AV	H	11.95	42.53	54.00	11.47
5350.000	44.56	PK	V	11.95	56.51	74.00	17.49
5350.000	31.02	AV	V	11.95	42.97	54.00	11.03
10480.000	33.72	PK	H	20.42	54.14	68.20	14.06
10480.000	34.22	PK	V	20.42	54.64	68.20	13.56
15720.000	33.52	PK	H	24.82	58.34	74.00	15.66
15720.000	20.71	AV	H	24.82	45.53	54.00	8.47
15720.000	33.69	PK	V	24.82	58.51	74.00	15.49
15720.000	20.83	AV	V	24.82	45.65	54.00	8.35



**802.11n ht20 Mode:**

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)
	Reading (dB $\mu$ V)	Detector					
Low Channel: 5180 MHz							
5150.000	43.69	PK	H	11.67	55.36	74.00	18.64
5150.000	30.41	AV	H	11.67	42.08	54.00	11.92
5150.000	44.82	PK	V	11.67	56.49	74.00	17.51
5150.000	30.88	AV	V	11.67	42.55	54.00	11.45
10360.000	33.45	PK	H	20.47	53.92	68.20	14.28
10360.000	33.56	PK	V	20.47	54.03	68.20	14.17
15540.000	33.69	PK	H	24.62	58.31	74.00	15.69
15540.000	20.32	AV	H	24.62	44.94	54.00	9.06
15540.000	33.67	PK	V	24.62	58.29	74.00	15.71
15540.000	20.65	AV	V	24.62	45.27	54.00	8.73
Middle Channel: 5200 MHz							
10400.000	33.62	PK	H	20.54	54.16	68.20	14.04
10400.000	33.71	PK	V	20.54	54.25	68.20	13.95
15600.000	33.41	PK	H	24.71	58.12	74.00	15.88
15600.000	20.50	AV	H	24.71	45.21	54.00	8.79
15600.000	33.64	PK	V	24.71	58.35	74.00	15.65
15600.000	20.55	AV	V	24.71	45.26	54.00	8.74
High Channel: 5240 MHz							
5350.000	43.66	PK	H	11.95	55.61	74.00	18.39
5350.000	30.11	AV	H	11.95	42.06	54.00	11.94
5350.000	44.23	PK	V	11.95	56.18	74.00	17.82
5350.000	30.92	AV	V	11.95	42.87	54.00	11.13
10480.000	33.41	PK	H	20.42	53.83	68.20	14.37
10480.000	33.65	PK	V	20.42	54.07	68.20	14.13
15720.000	33.66	PK	H	24.82	58.48	74.00	15.52
15720.000	20.85	AV	H	24.82	45.67	54.00	8.33
15720.000	34.02	PK	V	24.82	58.84	74.00	15.16
15720.000	20.92	AV	V	24.82	45.74	54.00	8.26

**802.11n ht40 Mode:**

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)
	Reading (dB $\mu$ V)	Detector					
Low Channel: 5190 MHz							
5150.000	44.71	PK	H	11.67	56.38	74.00	17.62
5150.000	31.86	AV	H	11.67	43.53	54.00	10.47
5150.000	44.26	PK	V	11.67	55.93	74.00	18.07
5150.000	32.55	AV	V	11.67	44.22	54.00	9.78
10380.000	33.52	PK	H	20.51	54.03	68.20	14.17
10380.000	33.65	PK	V	20.51	54.16	68.20	14.04
15570.000	33.68	PK	H	24.67	58.35	74.00	15.65
15570.000	20.41	AV	H	24.67	45.08	54.00	8.92
15570.000	33.93	PK	V	24.67	58.60	74.00	15.40
15570.000	21.04	AV	V	24.67	45.71	54.00	8.29
High Channel: 5230 MHz							
5350.000	43.50	PK	H	11.95	55.45	74.00	18.55
5350.000	20.41	AV	H	11.95	32.36	54.00	21.64
5350.000	43.82	PK	V	11.95	55.77	74.00	18.23
5350.000	30.66	AV	V	11.95	42.61	54.00	11.39
10460.000	33.14	PK	H	20.45	53.59	68.20	14.61
10460.000	33.24	PK	V	20.45	53.69	68.20	14.51
15690.000	33.88	PK	H	24.77	58.65	74.00	15.35
15690.000	20.41	AV	H	24.77	45.18	54.00	8.82
15690.000	34.09	PK	V	24.77	58.86	74.00	15.14
15690.000	21.06	AV	V	24.77	45.83	54.00	8.17

**5250-5350MHz:****802.11a Mode:**

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)
	Reading (dB $\mu$ V)	Detector					
Low Channel: 5260 MHz							
5150.000	43.21	PK	H	11.67	54.88	74.00	19.12
5150.000	30.25	AV	H	11.67	41.92	54.00	12.08
5150.000	44.21	PK	V	11.67	55.88	74.00	18.12
5150.000	30.50	AV	V	11.67	42.17	54.00	11.83
10520.000	33.68	PK	H	20.53	54.21	68.20	13.99
10520.000	33.74	PK	V	20.53	54.27	68.20	13.93
15780.000	33.52	PK	H	24.92	58.44	74.00	15.56
15780.000	20.41	AV	H	24.92	45.33	54.00	8.67
15780.000	33.68	PK	V	24.92	58.60	74.00	15.40
15780.000	20.77	AV	V	24.92	45.69	54.00	8.31
Middle Channel: 5280 MHz							
10560.000	33.45	PK	H	20.81	54.26	68.20	13.94
10560.000	33.85	PK	V	20.81	54.66	68.20	13.54
15840.000	33.46	PK	H	25.12	58.58	74.00	15.42
15840.000	20.42	AV	H	25.12	45.54	54.00	8.46
15840.000	33.69	PK	V	25.12	58.81	74.00	15.19
15840.000	20.83	AV	V	25.12	45.95	54.00	8.05
High Channel: 5320 MHz							
5350.000	43.52	PK	H	11.95	55.47	74.00	18.53
5350.000	30.41	AV	H	11.95	42.36	54.00	11.64
5350.000	44.05	PK	V	11.95	56.00	74.00	18.00
5350.000	30.39	AV	V	11.95	42.34	54.00	11.66
10640.000	34.64	PK	H	21.13	55.77	74.00	18.23
10640.000	21.55	AV	H	21.13	42.68	54.00	11.32
10640.000	35.13	PK	V	21.13	56.26	74.00	17.74
10640.000	22.63	AV	V	21.13	43.76	54.00	10.24
15960.000	33.68	PK	H	25.24	58.92	74.00	15.08
15960.000	20.88	AV	H	25.24	46.12	54.00	7.88
15960.000	33.93	PK	V	25.24	59.17	74.00	14.83
15960.000	21.52	AV	V	25.24	46.76	54.00	7.24

**802.11n ht20 Mode:**

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)
	Reading (dB $\mu$ V)	Detector					
Low Channel: 5260 MHz							
5150.000	43.55	PK	H	11.67	55.22	74.00	18.78
5150.000	30.71	AV	H	11.67	42.38	54.00	11.62
5150.000	44.26	PK	V	11.67	55.93	74.00	18.07
5150.000	31.02	AV	V	11.67	42.69	54.00	11.31
10520.000	33.70	PK	H	20.53	54.23	68.20	13.97
10520.000	33.51	PK	V	20.53	54.04	68.20	14.16
15780.000	33.58	PK	H	24.92	58.50	74.00	15.50
15780.000	20.46	AV	H	24.92	45.38	54.00	8.62
15780.000	33.65	PK	V	24.92	58.57	74.00	15.43
15780.000	20.69	AV	V	24.92	45.61	54.00	8.39
Middle Channel: 5280 MHz							
10560.000	33.45	PK	H	20.81	54.26	68.20	13.94
10560.000	33.64	PK	V	20.81	54.45	68.20	13.75
15840.000	34.10	PK	H	25.12	59.22	74.00	14.78
15840.000	21.13	AV	H	25.12	46.25	54.00	7.75
15840.000	34.33	PK	V	25.12	59.45	74.00	14.55
15840.000	21.15	AV	V	25.12	46.27	54.00	7.73
High Channel: 5320 MHz							
5350.000	43.23	PK	H	11.95	55.18	74.00	18.82
5350.000	30.24	AV	H	11.95	42.19	54.00	11.81
5350.000	43.58	PK	V	11.95	55.53	74.00	18.47
5350.000	30.65	AV	V	11.95	42.60	54.00	11.40
10640.000	33.47	PK	H	21.13	54.60	74.00	19.40
10640.000	21.03	AV	H	21.13	42.16	54.00	11.84
10640.000	33.85	PK	V	21.13	54.98	74.00	19.02
10640.000	21.11	AV	V	21.13	42.24	54.00	11.76
15960.000	33.82	PK	H	25.24	59.06	74.00	14.94
15960.000	21.05	AV	H	25.24	46.29	54.00	7.71
15960.000	33.46	PK	V	25.24	58.70	74.00	15.30
15960.000	21.19	AV	V	25.24	46.43	54.00	7.57

**802.11n ht40 Mode:**

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)
	Reading (dB $\mu$ V)	Detector					
Low Channel: 5270 MHz							
5150.000	44.20	PK	H	11.67	55.87	74.00	18.13
5150.000	31.08	AV	H	11.67	42.75	54.00	11.25
5150.000	44.23	PK	V	11.67	55.90	74.00	18.10
5150.000	31.10	AV	V	11.67	42.77	54.00	11.23
10540.000	33.45	PK	H	20.68	54.13	68.20	14.07
10540.000	33.69	PK	V	20.68	54.37	68.20	13.83
15810.000	33.58	PK	H	25.00	58.58	74.00	15.42
15810.000	21.04	AV	H	25.00	46.04	54.00	7.96
15810.000	34.06	PK	V	25.00	59.06	74.00	14.94
15810.000	21.10	AV	V	25.00	46.10	54.00	7.90
High Channel: 5310 MHz							
5350.000	44.13	PK	H	11.95	56.08	74.00	17.92
5350.000	30.26	AV	H	11.95	42.21	54.00	11.79
5350.000	45.62	PK	V	11.95	57.57	74.00	16.43
5350.000	31.09	AV	V	11.95	43.04	54.00	10.96
10620.000	33.59	PK	H	21.11	54.70	74.00	19.30
10620.000	20.39	AV	H	21.11	41.50	54.00	12.50
10620.000	34.27	PK	V	21.11	55.38	74.00	18.62
10620.000	21.08	AV	V	21.11	42.19	54.00	11.81
15930.000	33.63	PK	H	25.30	58.93	74.00	15.07
15930.000	20.17	AV	H	25.30	45.47	54.00	8.53
15930.000	33.73	PK	V	25.30	59.03	74.00	14.97
15930.000	20.40	AV	V	25.30	45.70	54.00	8.30

**5470-5725MHz****802.11a Mode:**

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)
	Reading (dB $\mu$ V)	Detector					
Low Channel: 5500 MHz							
5470.000	44.37	PK	H	11.84	56.21	68.20	11.99
5470.000	45.15	PK	V	11.84	56.99	68.20	11.21
11000.000	33.79	PK	H	21.53	55.32	74.00	18.68
11000.000	21.07	AV	H	21.53	42.60	54.00	11.40
11000.000	33.86	PK	V	21.53	55.39	74.00	18.61
11000.000	21.57	AV	V	21.53	43.10	54.00	10.90
16500.000	34.79	PK	H	25.93	60.72	68.20	7.48
16500.000	34.56	PK	V	25.93	60.49	68.20	7.71
Middle Channel: 5580 MHz							
11160.000	33.68	PK	H	21.38	55.06	74.00	18.94
11160.000	20.88	AV	H	21.38	42.26	54.00	11.74
11160.000	33.96	PK	V	21.38	55.34	74.00	18.66
11160.000	21.41	AV	V	21.38	42.79	54.00	11.21
16740.000	33.88	PK	H	26.59	60.47	68.20	7.73
16740.000	33.90	PK	V	26.59	60.49	68.20	7.71
High Channel: 5700 MHz							
5725.000	43.68	PK	H	12.57	56.25	68.20	11.95
5725.000	44.75	PK	V	12.57	57.32	68.20	10.88
11400.000	33.22	PK	H	21.91	55.13	74.00	18.87
11400.000	20.57	AV	H	21.91	42.48	54.00	11.52
11400.000	33.68	PK	V	21.91	55.59	74.00	18.41
11400.000	20.77	AV	V	21.91	42.68	54.00	11.32
17100.000	33.74	PK	H	28.51	62.25	68.20	5.95
17100.000	33.85	PK	V	28.51	62.36	68.20	5.84
High Channel: 5720 MHz							
11440.000	34.17	PK	H	21.73	55.90	74.00	18.10
11440.000	21.66	AV	H	21.73	43.39	54.00	10.61
11440.000	34.78	PK	V	21.73	56.51	74.00	17.49
11440.000	21.05	AV	V	21.73	42.78	54.00	11.22
17160.000	35.69	PK	H	28.56	64.25	68.20	3.95
17160.000	34.55	PK	V	28.56	63.11	68.20	5.09

**802.11n ht20 Mode:**

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)
	Reading (dB $\mu$ V)	Detector					
Low Channel: 5500 MHz							
5470.000	44.12	PK	H	11.84	55.96	68.20	12.24
5470.000	44.70	PK	V	11.84	56.54	68.20	11.66
11000.000	33.59	PK	H	21.53	55.12	74.00	18.88
11000.000	20.36	AV	H	21.53	41.89	54.00	12.11
11000.000	33.69	PK	V	21.53	55.22	74.00	18.78
11000.000	20.73	AV	V	21.53	42.26	54.00	11.74
16500.000	33.66	PK	H	25.93	59.59	68.20	8.61
16500.000	33.68	PK	V	25.93	59.61	68.20	8.59
Middle Channel: 5580 MHz							
11160.000	33.67	PK	H	21.38	55.05	74.00	18.95
11160.000	20.49	AV	H	21.38	41.87	54.00	12.13
11160.000	33.68	PK	V	21.38	55.06	74.00	18.94
11160.000	20.53	AV	V	21.38	41.91	54.00	12.09
16740.000	33.56	PK	H	26.59	60.15	68.20	8.05
16740.000	33.82	PK	V	26.59	60.41	68.20	7.79
High Channel: 5700 MHz							
5725.000	45.01	PK	H	12.57	57.58	68.20	10.62
5725.000	46.23	PK	V	12.57	58.80	68.20	9.40
11400.000	33.63	PK	H	21.91	55.54	74.00	18.46
11400.000	20.36	AV	H	21.91	42.27	54.00	11.73
11400.000	33.69	PK	V	21.91	55.60	74.00	18.40
11400.000	20.38	AV	V	21.91	42.29	54.00	11.71
17100.000	33.66	PK	H	28.51	62.17	68.20	6.03
17100.000	33.78	PK	V	28.51	62.29	68.20	5.91
High Channel: 5720 MHz							
11440.000	35.10	PK	H	21.73	56.83	74.00	17.17
11440.000	23.11	AV	H	21.73	44.84	54.00	9.16
11440.000	34.69	PK	V	21.73	56.42	74.00	17.58
11440.000	21.43	AV	V	21.73	43.16	54.00	10.84
17160.000	34.77	PK	H	28.56	63.33	68.20	4.87
17160.000	35.79	PK	V	28.56	64.35	68.20	3.85

**802.11n ht40 Mode:**

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)
	Reading (dB $\mu$ V)	Detector					
Low Channel: 5510 MHz							
5470.000	44.24	PK	H	11.84	56.08	68.20	12.12
5470.000	45.79	PK	V	11.84	57.63	68.20	10.57
11020.000	33.66	PK	H	21.52	55.18	74.00	18.82
11020.000	20.32	AV	H	21.52	41.84	54.00	12.16
11020.000	33.75	PK	V	21.52	55.27	74.00	18.73
11020.000	20.35	AV	V	21.52	41.87	54.00	12.13
16530.000	33.83	PK	H	26.18	60.01	68.20	8.19
16530.000	34.10	PK	V	26.18	60.28	68.20	7.92
Middle Channel: 5550 MHz							
11100.000	33.55	PK	H	21.47	55.02	74.00	18.98
11100.000	21.03	AV	H	21.47	42.50	54.00	11.50
11100.000	33.65	PK	V	21.47	55.12	74.00	18.88
11100.000	21.12	AV	V	21.47	42.59	54.00	11.41
16650.000	33.85	PK	H	26.67	60.52	68.20	7.68
16650.000	33.69	PK	V	26.67	60.36	68.20	7.84
High Channel: 5670 MHz							
5725.000	44.32	PK	H	12.57	56.89	68.20	11.31
5725.000	44.68	PK	V	12.57	57.25	68.20	10.95
11340.000	33.90	PK	H	21.86	55.76	74.00	18.24
11340.000	20.32	AV	H	21.86	42.18	54.00	11.82
11340.000	34.02	PK	V	21.86	55.88	74.00	18.12
11340.000	20.58	AV	V	21.86	42.44	54.00	11.56
17010.000	33.56	PK	H	28.12	61.68	68.20	6.52
17010.000	33.87	PK	V	28.12	61.99	68.20	6.21
High Channel: 5710 MHz							
11420.000	35.12	PK	H	21.81	56.93	74.00	17.07
11420.000	23.31	AV	H	21.81	45.12	54.00	8.88
11420.000	35.02	PK	V	21.81	56.83	74.00	17.17
11420.000	23.11	AV	V	21.81	44.92	54.00	9.08
17130.000	34.64	PK	H	28.54	63.18	68.20	5.02
17130.000	35.10	PK	V	28.54	63.64	68.20	4.56



**5725-5850MHz****802.11a Mode:**

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)
	Reading (dB $\mu$ V)	Detector					
Low Channel:				5745	MHz		
11490.000	34.55	PK	H	21.49	56.04	74.00	17.96
11490.000	22.75	AV	H	21.49	44.24	54.00	9.76
11490.000	35.02	PK	V	21.49	56.51	74.00	17.49
11490.000	23.31	AV	V	21.49	44.80	54.00	9.20
17235.000	34.87	PK	H	28.71	63.58	68.20	4.62
17235.000	34.66	PK	V	28.71	63.37	68.20	4.83
Middle Channel:				5785	MHz		
11570.000	34.68	PK	H	21.71	56.39	74.00	17.61
11570.000	22.42	AV	H	21.71	44.13	54.00	9.87
11570.000	34.63	PK	V	21.71	56.34	74.00	17.66
11570.000	22.07	AV	V	21.71	43.78	54.00	10.22
17355.000	33.65	PK	H	29.35	63.00	68.20	5.20
17355.000	33.97	PK	V	29.35	63.32	68.20	4.88
High Channel:				5825	MHz		
11650.000	34.85	PK	H	22.04	56.89	74.00	17.11
11650.000	22.01	AV	H	22.04	44.05	54.00	9.95
11650.000	34.68	PK	V	22.04	56.72	74.00	17.28
11650.000	22.34	AV	V	22.04	44.38	54.00	9.62
17475.000	33.58	PK	H	29.89	63.47	68.20	4.73
17475.000	34.96	PK	V	29.89	64.85	68.20	<b>3.35</b>

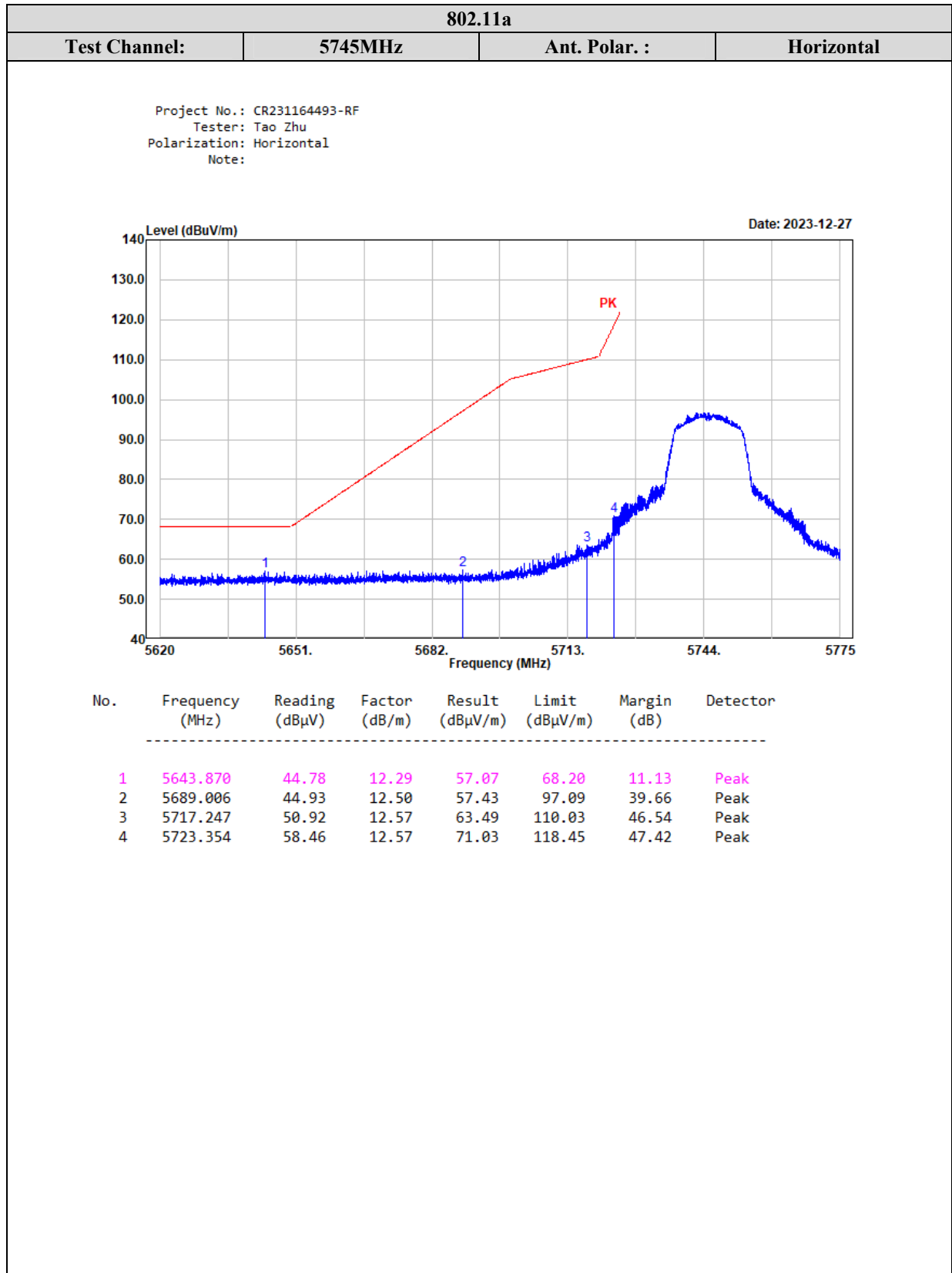
**802.11n ht20 Mode:**

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)
	Reading (dB $\mu$ V)	Detector					
Low Channel: 5745 MHz							
11490.000	33.60	PK	H	21.49	55.09	74.00	18.91
11490.000	20.58	AV	H	21.49	42.07	54.00	11.93
11490.000	33.67	PK	V	21.49	55.16	74.00	18.84
11490.000	20.68	AV	V	21.49	42.17	54.00	11.83
17235.000	33.60	PK	H	28.71	62.31	68.20	5.89
17235.000	33.74	PK	V	28.71	62.45	68.20	5.75
Middle Channel: 5785 MHz							
11570.000	33.67	PK	H	21.71	55.38	74.00	18.62
11570.000	20.45	AV	H	21.71	42.16	54.00	11.84
11570.000	33.75	PK	V	21.71	55.46	74.00	18.54
11570.000	20.48	AV	V	21.71	42.19	54.00	11.81
17355.000	33.42	PK	H	29.35	62.77	68.20	5.43
17355.000	33.68	PK	V	29.35	63.03	68.20	5.17
High Channel: 5825 MHz							
11650.000	34.20	PK	H	22.04	56.24	74.00	17.76
11650.000	21.23	AV	H	22.04	43.27	54.00	10.73
11650.000	34.65	PK	V	22.04	56.69	74.00	17.31
11650.000	21.53	AV	V	22.04	43.57	54.00	10.43
17475.000	33.82	PK	H	29.89	63.71	68.20	4.49
17475.000	34.12	PK	V	29.89	64.01	68.20	4.19

**802.11n ht40 Mode:**

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)
	Reading (dB $\mu$ V)	Detector					
Low Channel: 5755 MHz							
11510.000	33.74	PK	H	21.48	55.22	74.00	18.78
11510.000	20.42	AV	H	21.48	41.90	54.00	12.10
11510.000	33.82	PK	V	21.48	55.30	74.00	18.70
11510.000	20.63	AV	V	21.48	42.11	54.00	11.89
17265.000	33.68	PK	H	28.79	62.47	68.20	5.73
17265.000	33.78	PK	V	28.79	62.57	68.20	5.63
High Channel: 5795 MHz							
11590.000	33.39	PK	H	21.78	55.17	74.00	18.83
11590.000	20.42	AV	H	21.78	42.20	54.00	11.80
11590.000	33.46	PK	V	21.78	55.24	74.00	18.76
11590.000	20.64	AV	V	21.78	42.42	54.00	11.58
17385.000	33.89	PK	H	29.59	63.48	68.20	4.72
17385.000	34.12	PK	V	29.59	63.71	68.20	4.49

4) Worst Test plots for Band Edge Measurements in 5745-5825 MHz Band (Radiated)

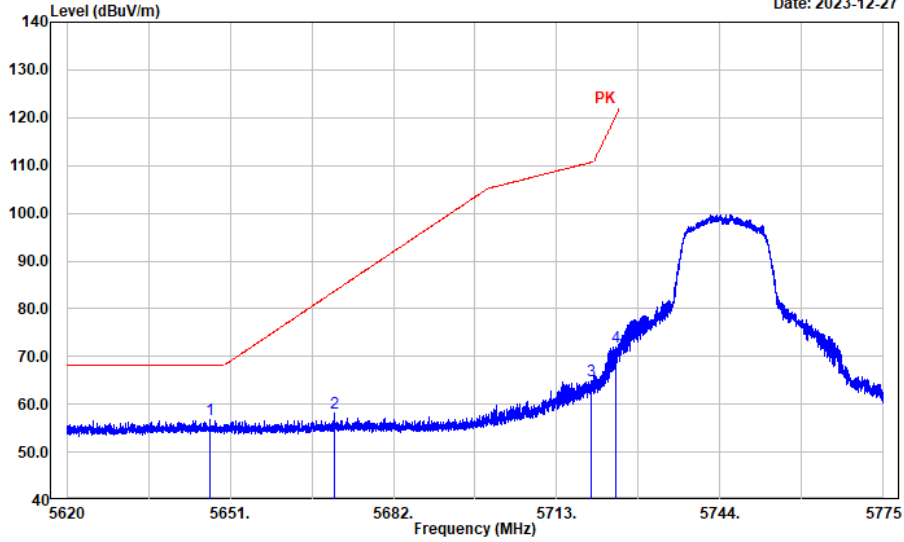


802.11 a

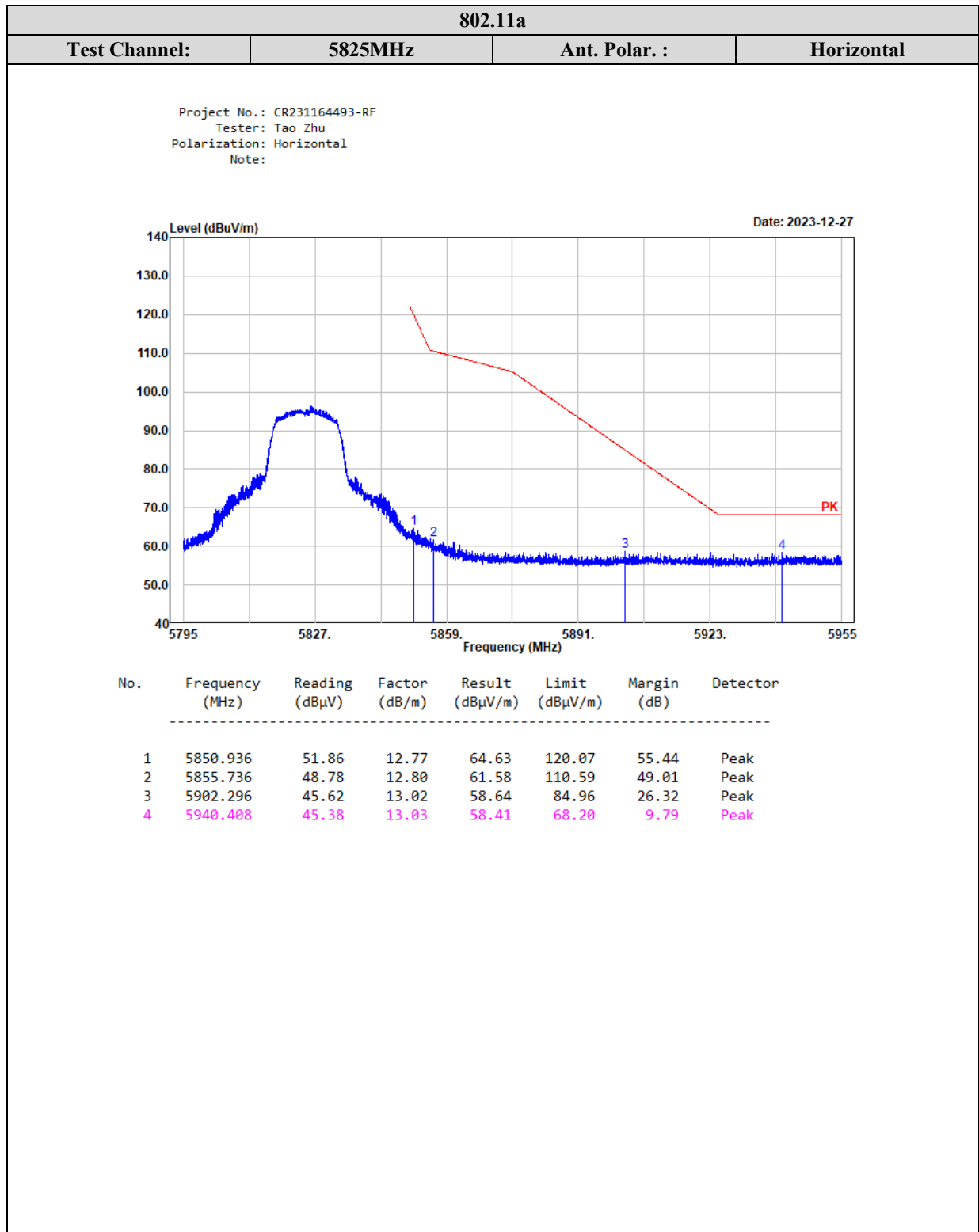
Test Channel: 5745MHz Ant. Polar. : Vertical

Project No.: CR231164493-RF  
 Tester: Tao Zhu  
 Polarization: Vertical  
 Note:

Date: 2023-12-27



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	5647.249	44.42	12.32	56.74	68.20	11.46	Peak
2	5670.685	45.67	12.41	58.08	83.55	25.47	Peak
3	5719.479	52.28	12.57	64.85	110.65	45.80	Peak
4	5724.129	59.43	12.57	72.00	120.21	48.21	Peak

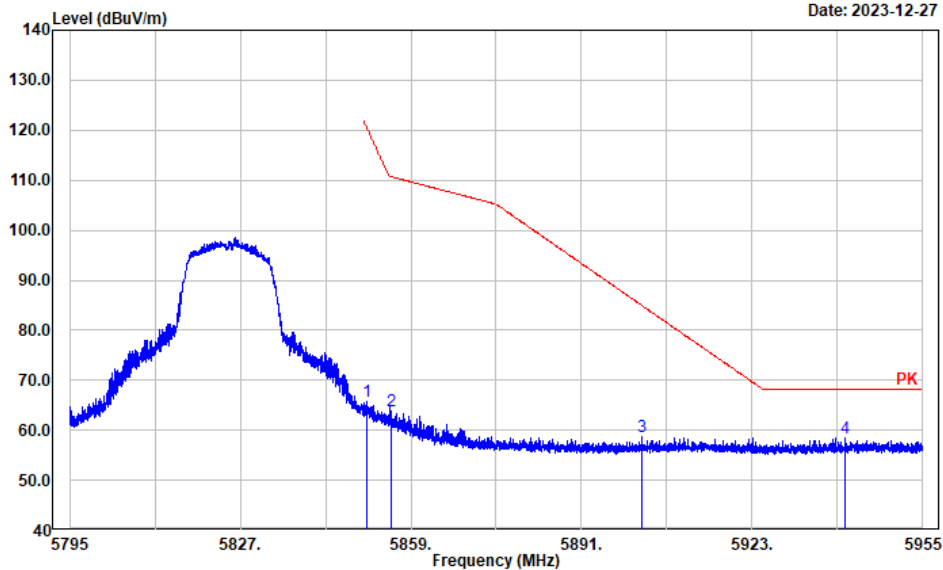


802.11 a

Test Channel: 5825MHz Ant. Polar.: Vertical

Project No.: CR231164493-RF  
 Tester: Tao Zhu  
 Polarization: Vertical  
 Note:

Date: 2023-12-27



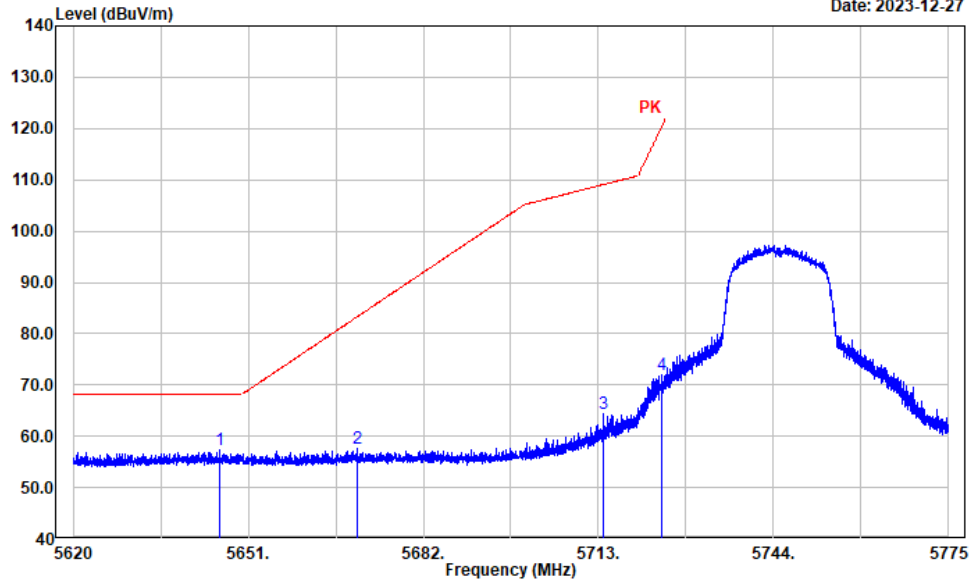
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	5850.712	52.98	12.77	65.75	120.58	54.83	Peak
2	5855.384	50.96	12.80	63.76	110.69	46.93	Peak
3	5902.296	45.62	13.02	58.64	84.96	26.32	Peak
4	5940.408	45.38	13.03	58.41	68.20	9.79	Peak

802.11n ht20

Test Channel: 5745MHz Ant. Polar. : Horizontal

Project No.: CR231164493-RF  
 Tester: Tao Zhu  
 Polarization: Horizontal  
 Note:

Date: 2023-12-27



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	5645.885	44.94	12.30	57.24	68.20	10.96	Peak
2	5670.375	45.28	12.41	57.69	83.32	25.63	Peak
3	5713.868	51.75	12.56	64.31	109.09	44.78	Peak
4	5724.284	59.51	12.57	72.08	120.57	48.49	Peak

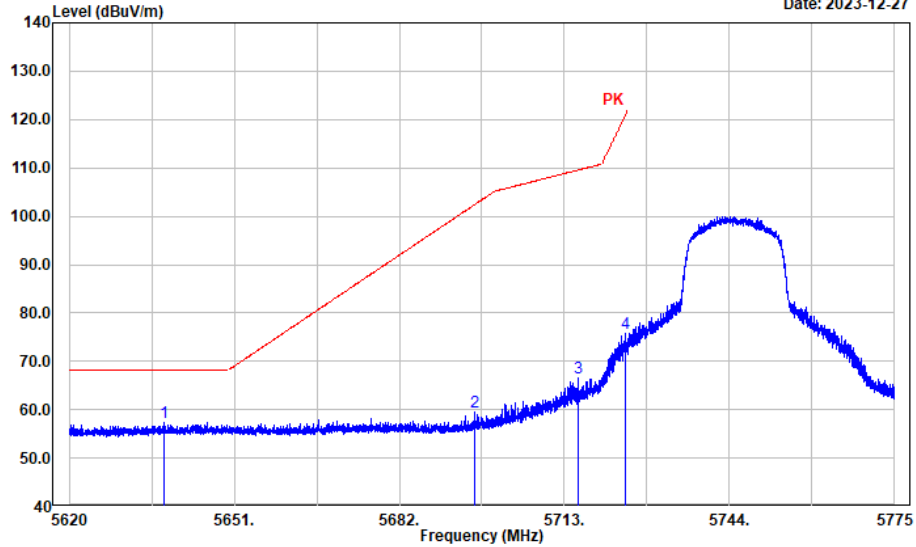


802.11n ht20

Test Channel: 5745MHz Ant. Polar.: Vertical

Project No.: CR231164493-RF  
 Tester: Tao Zhu  
 Polarization: Vertical  
 Note:

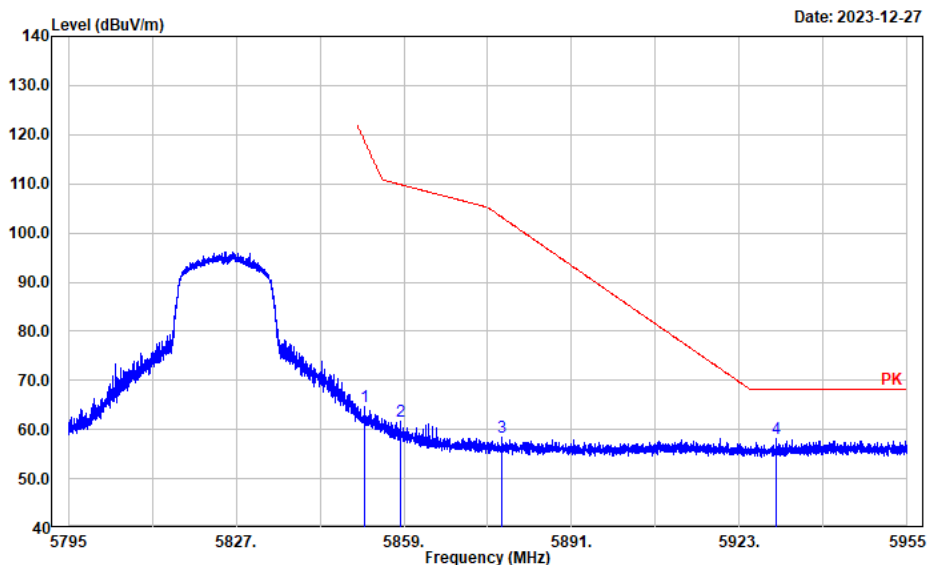
Date: 2023-12-27



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	5637.763	44.98	12.26	57.24	68.20	10.96	Peak
2	5696.136	47.07	12.53	59.60	102.35	42.75	Peak
3	5715.511	54.01	12.56	66.57	109.54	42.97	Peak
4	5724.408	63.07	12.57	75.64	120.85	45.21	Peak

802.11n ht20			
Test Channel:	5825MHz	Ant. Polar. :	Horizontal

Project No.: CR231164493-RF  
 Tester: Tao Zhu  
 Polarization: Horizontal  
 Note:



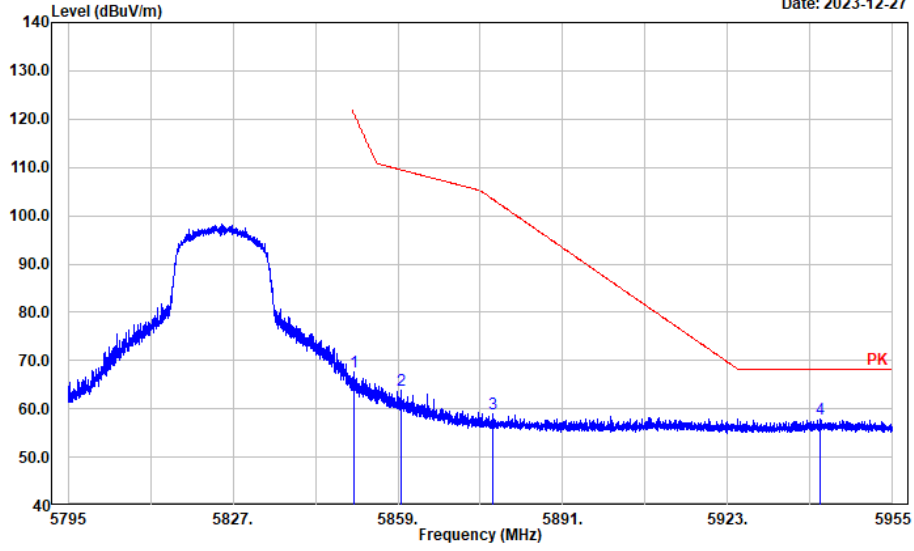
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	5851.448	51.91	12.78	64.69	118.90	54.21	Peak
2	5858.328	49.00	12.81	61.81	109.87	48.06	Peak
3	5877.592	45.52	12.90	58.42	103.27	44.85	Peak
4	5929.944	45.15	13.03	58.18	68.20	10.02	Peak

802.11n ht20

<b>Test Channel:</b>	<b>5825MHz</b>	<b>Ant. Polar. :</b>	<b>Vertical</b>
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Project No.: CR231164493-RF  
 Tester: Tao Zhu  
 Polarization: Vertical  
 Note:

Date: 2023-12-27



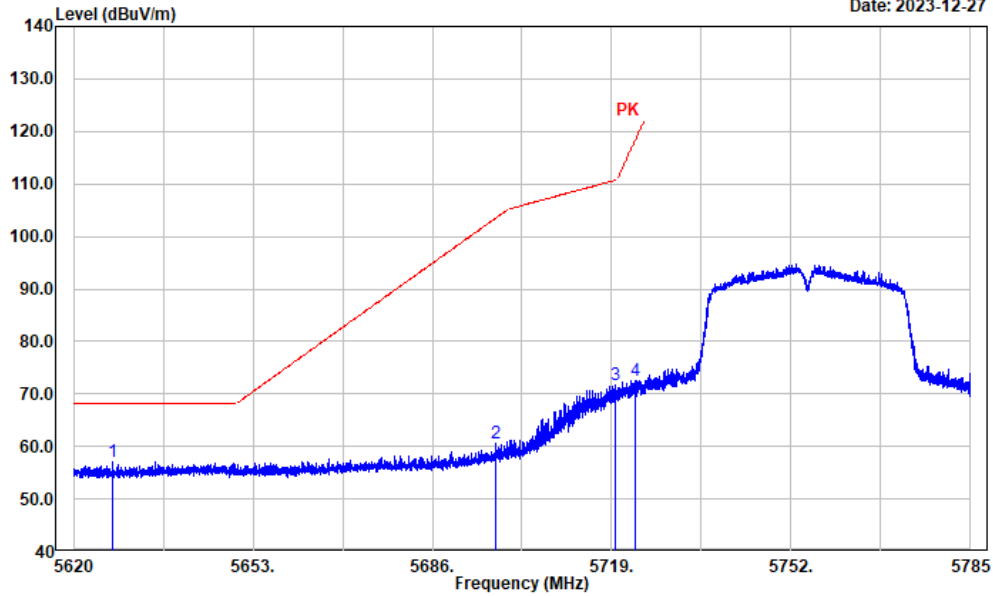
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	5850.392	54.93	12.77	67.70	121.31	53.61	Peak
2	5859.640	50.90	12.82	63.72	109.50	45.78	Peak
3	5877.496	46.17	12.90	59.07	103.35	44.28	Peak
4	5940.984	44.78	13.04	57.82	68.20	10.38	Peak

802.11n ht40

Test Channel: 5755MHz Ant. Polar. : Horizontal

Project No.: CR231164493-RF  
 Tester: Tao Zhu  
 Polarization: Horizontal  
 Note:

Date: 2023-12-27



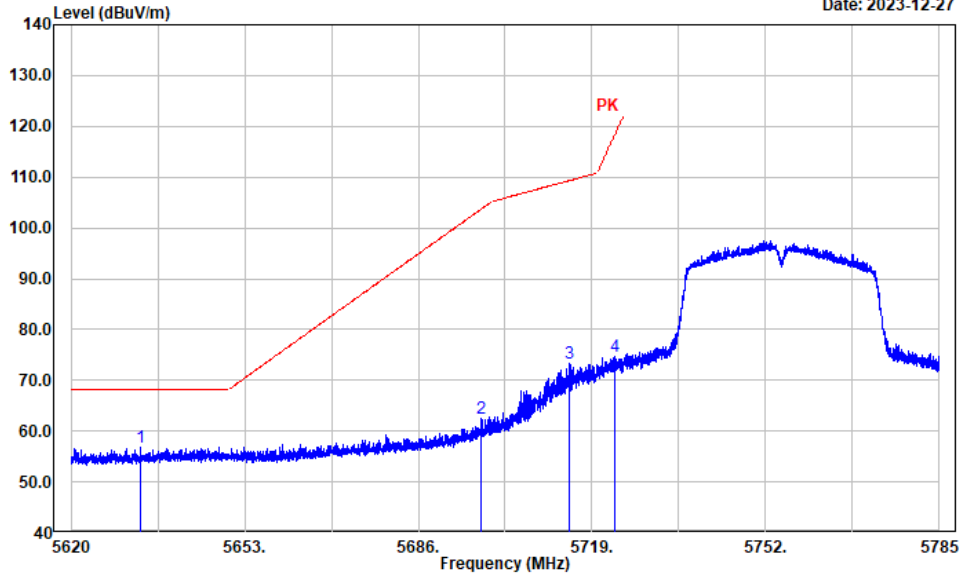
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	5627.260	44.96	12.19	57.15	68.20	11.05	Peak
2	5697.649	48.03	12.54	60.57	103.47	42.90	Peak
3	5719.726	59.23	12.57	71.80	110.72	38.92	Peak
4	5723.455	60.04	12.57	72.61	118.68	46.07	Peak

802.11n ht40

Test Channel: 5755MHz Ant. Polar.: Vertical

Project No.: CR231164493-RF  
 Tester: Tao Zhu  
 Polarization: Vertical  
 Note:

Date: 2023-12-27



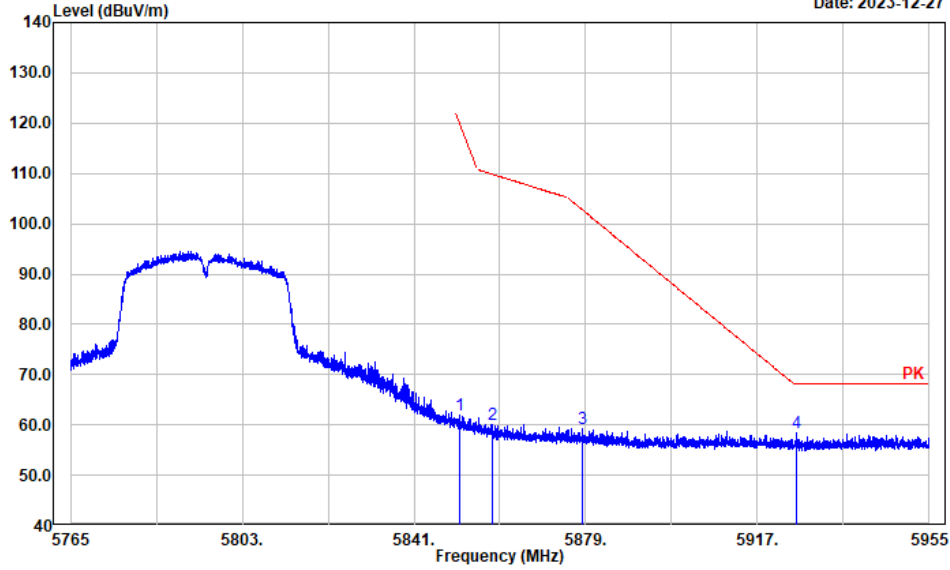
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	5633.233	44.64	12.23	56.87	68.20	11.33	Peak
2	5697.880	49.87	12.54	62.41	103.64	41.23	Peak
3	5714.776	60.78	12.56	73.34	109.34	36.00	Peak
4	5723.422	61.99	12.57	74.56	118.60	44.04	Peak

802.11n ht40

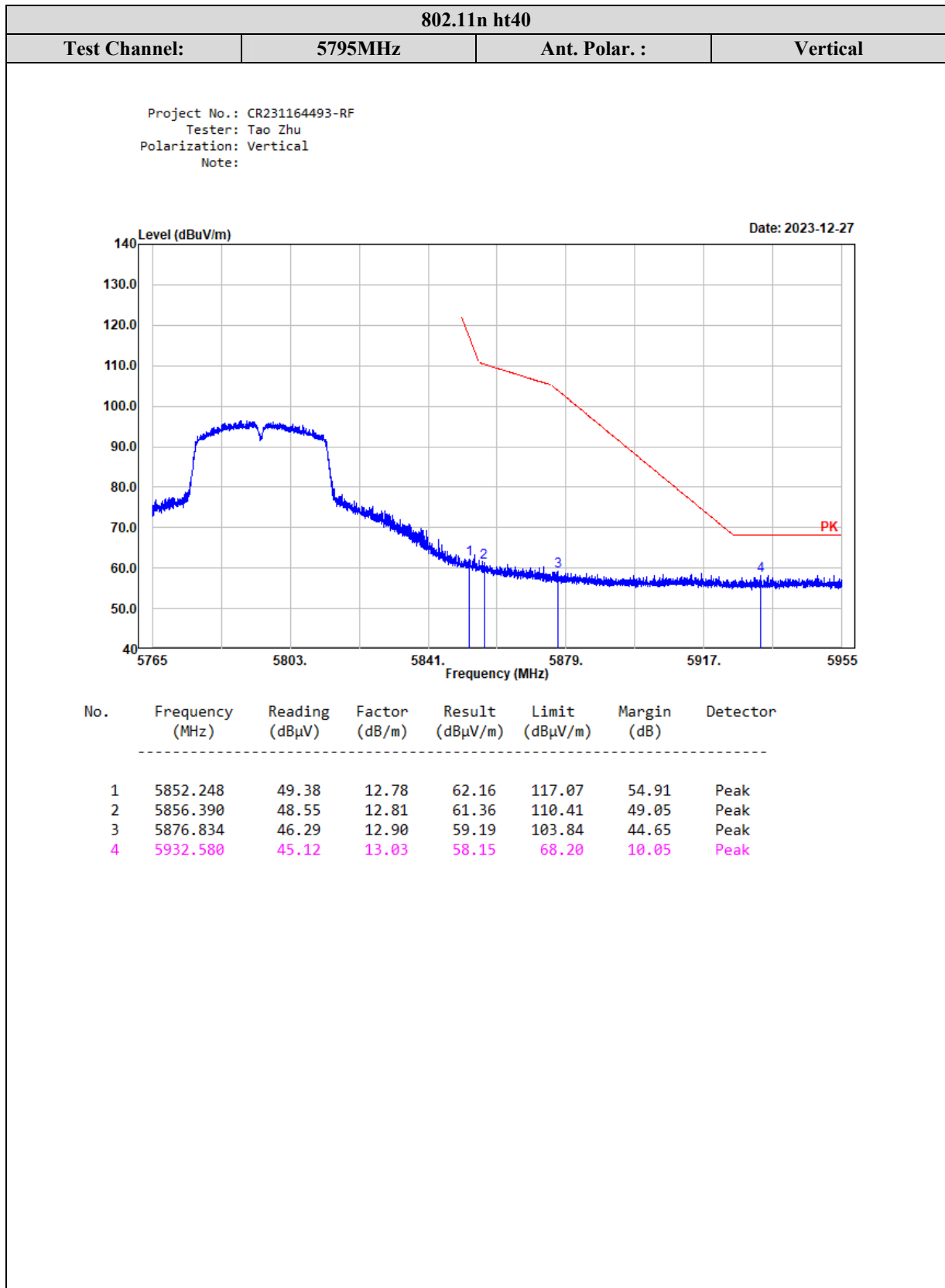
Test Channel: 5795MHz Ant. Polar. : Horizontal

Project No.: CR231164493-RF  
 Tester: Tao Zhu  
 Polarization: Horizontal  
 Note:

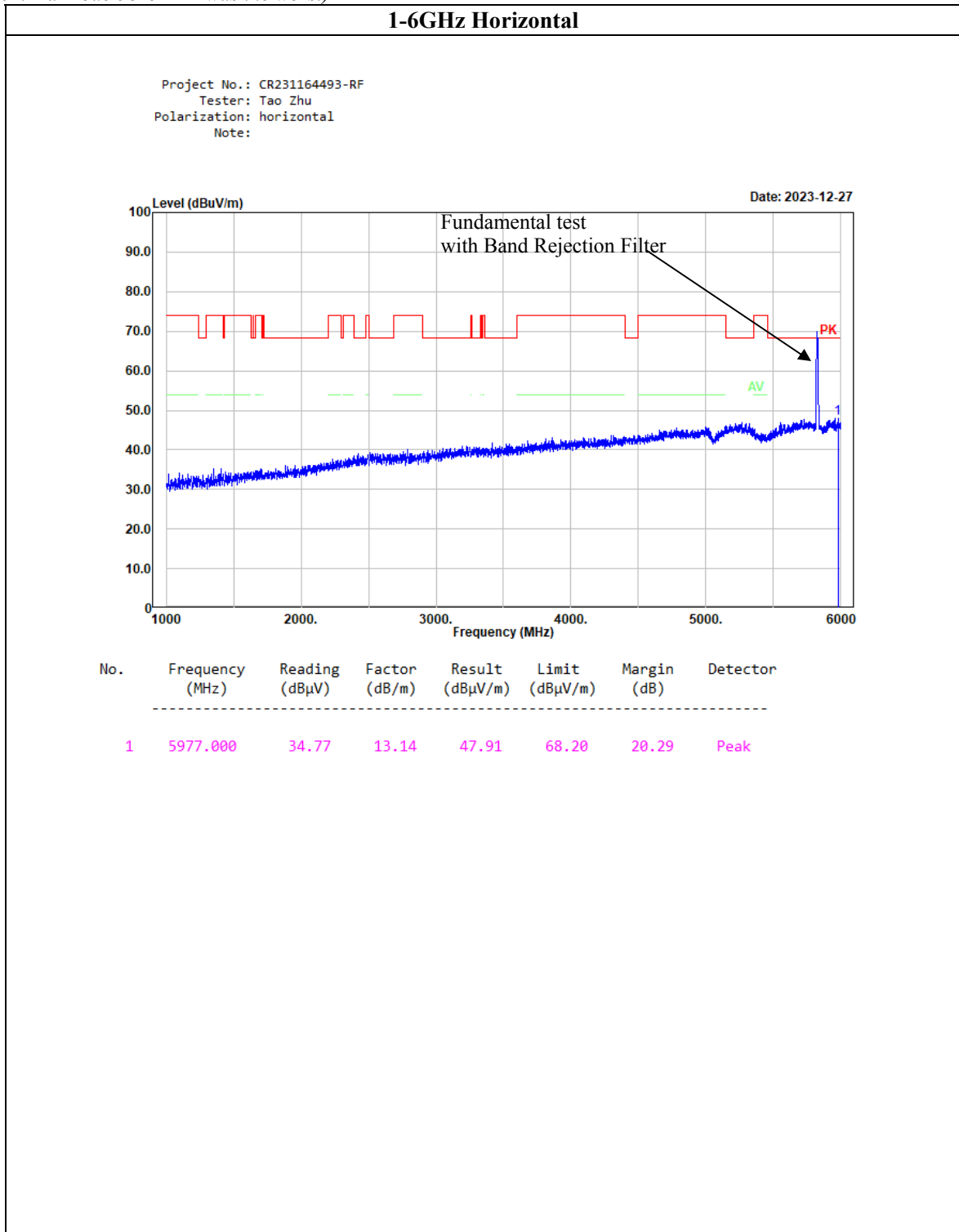
Date: 2023-12-27



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	5851.032	49.13	12.77	61.90	119.85	57.95	Peak
2	5858.214	47.25	12.81	60.06	109.90	49.84	Peak
3	5878.392	46.21	12.91	59.12	102.68	43.56	Peak
4	5925.588	45.48	13.02	58.50	68.20	9.70	Peak



**5) Listed with the worst radiation spurious emissions margin test plots**  
*(802.11a Mode 5825MHz was the worst)*

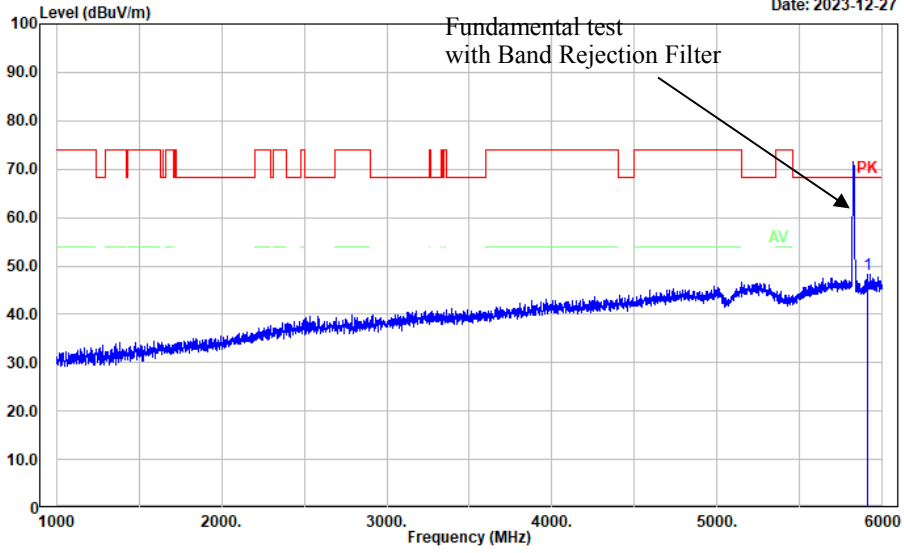




**1-6GHz Vertical**

Project No.: CR231164493-RF  
 Tester: Tao Zhu  
 Polarization: vertical  
 Note:

Date: 2023-12-27

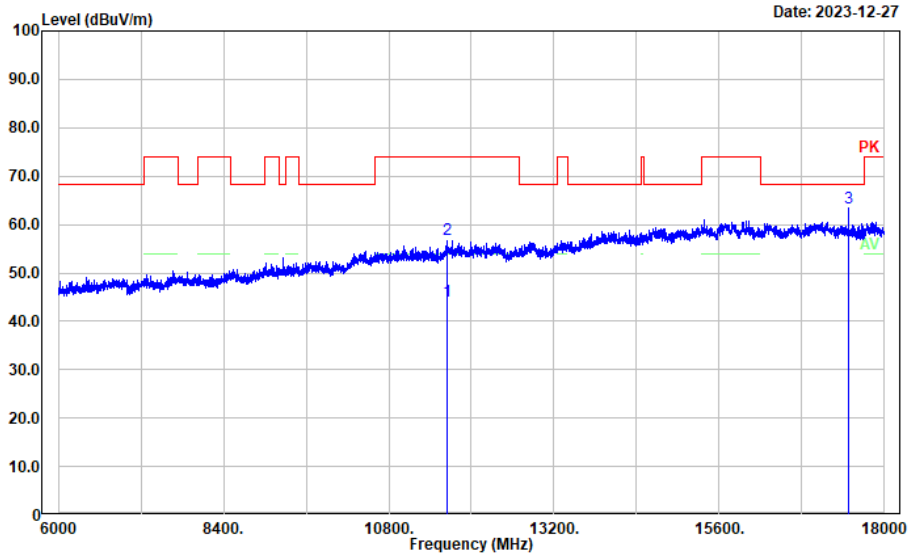


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	5906.000	35.35	13.02	48.37	68.20	19.83	Peak

**6-18GHz Horizontal**

Project No.: CR231164493-RF  
 Tester: Tao Zhu  
 Polarization: horizontal  
 Note:

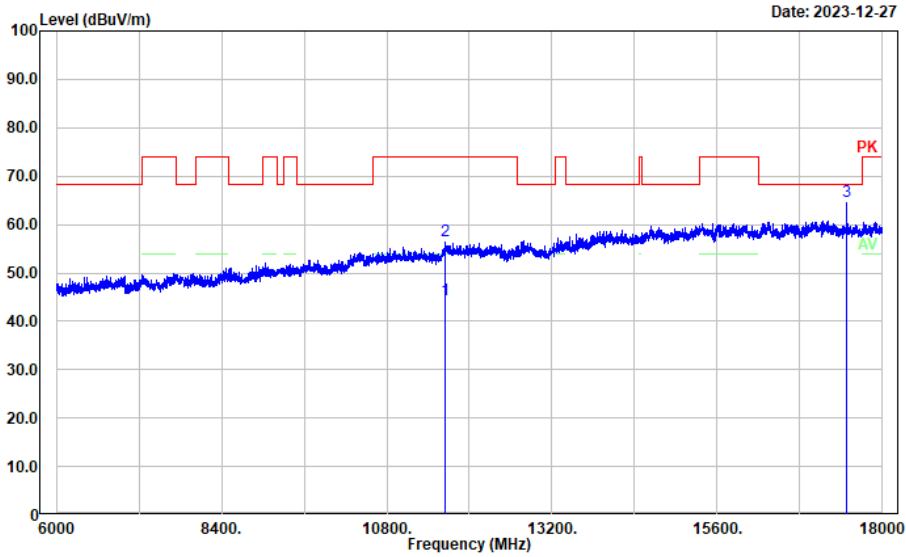
Date: 2023-12-27



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	11650.000	22.01	22.04	44.05	54.00	9.95	Average
2	11650.000	34.85	22.04	56.89	74.00	17.11	Peak
3	17475.000	33.58	29.89	63.47	68.20	4.73	Peak

**6-18GHz Vertical**

Project No.: CR231164493-RF  
 Tester: Tao Zhu  
 Polarization: vertical  
 Note:



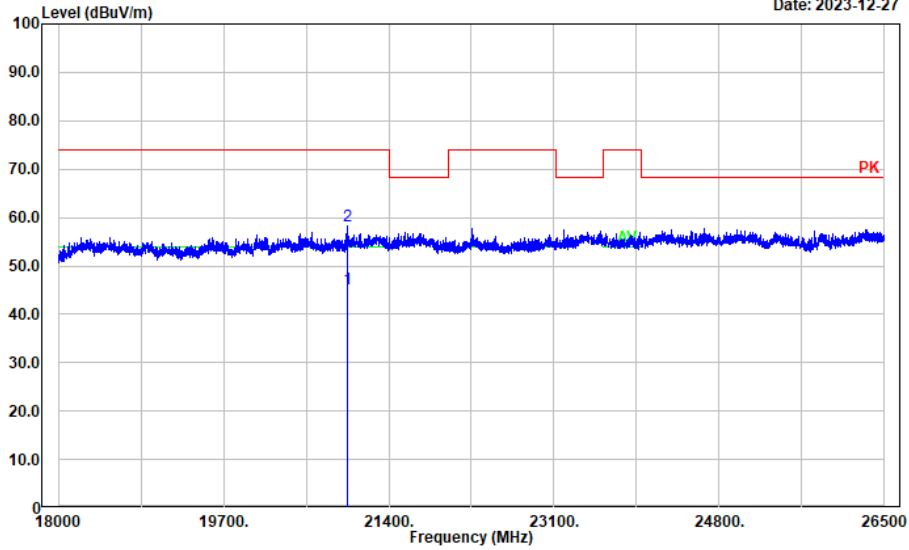
Date: 2023-12-27

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	11650.000	22.34	22.04	44.38	54.00	9.62	Average
2	11650.000	34.68	22.04	56.72	74.00	17.28	Peak
3	17475.000	34.96	29.89	64.85	68.20	3.35	Peak

**18-26.5GHz Horizontal**

Project No.: CR231164493-RF  
 Tester: Tao Zhu  
 Polarization: Horizontal  
 Note:

Date: 2023-12-27

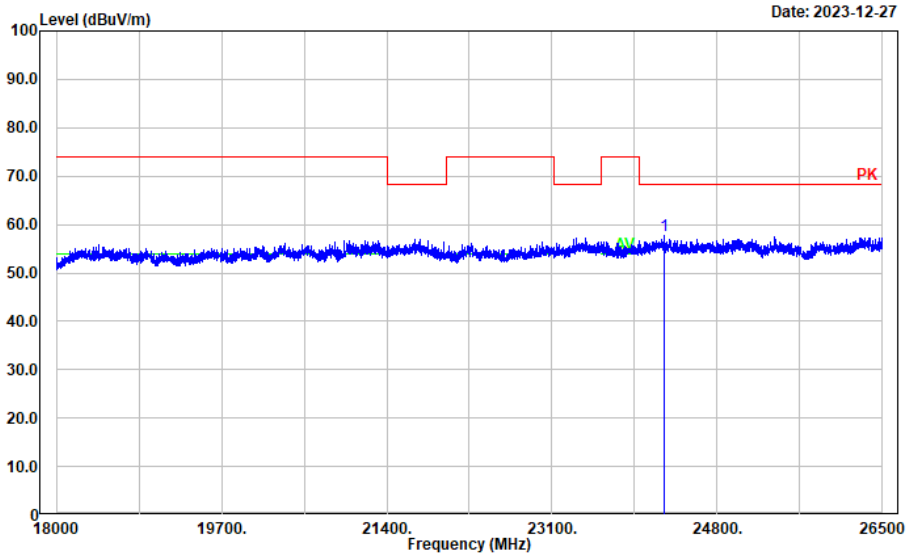


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	20980.700	40.80	4.56	45.36	54.00	8.64	Average
2	20980.700	53.65	4.56	58.21	74.00	15.79	Peak

**18-26.5GHz Vertical**

Project No.: CR231164493-RF  
 Tester: Tao Zhu  
 Polarization: vertical  
 Note:

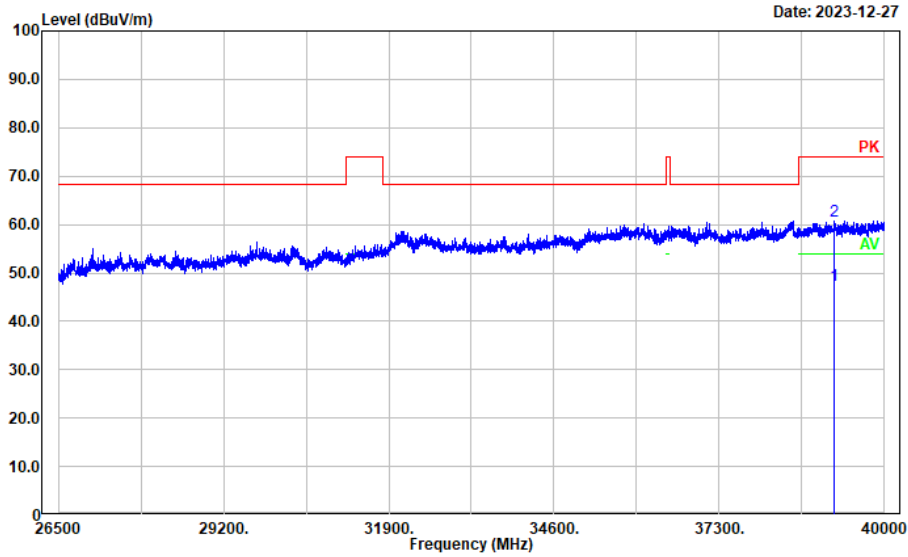
Date: 2023-12-27



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	24258.950	52.65	5.04	57.69	68.20	10.51	Peak

**26.5-40GHz Horizontal**

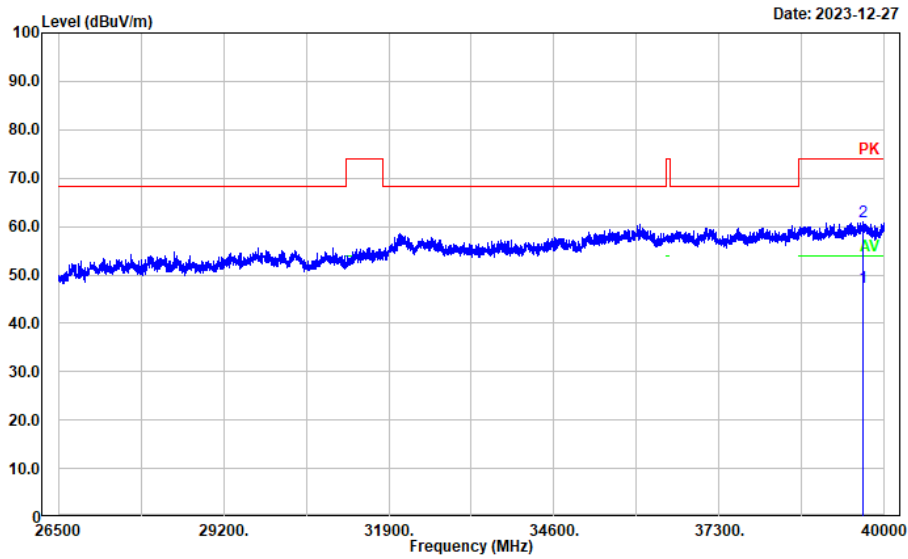
Project No.: CR231164493-RF  
 Tester: Tao Zhu  
 Polarization: Horizontal  
 Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	39176.340	37.28	10.26	47.54	54.00	6.46	Average
2	39176.340	50.51	10.26	60.77	74.00	13.23	Peak

**26.5-40GHz Vertical**

Project No.: CR231164493-RF  
 Tester: Tao Zhu  
 Polarization: Vertical  
 Note:



Date: 2023-12-27

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	39646.230	37.94	9.56	47.50	54.00	6.50	Average
2	39646.230	51.31	9.56	60.87	74.00	13.13	Peak

### 4.3 Emission Bandwidth

Serial Number:	2D1L-2	Test Date:	2023/12/25
Test Site:	RF	Test Mode:	Transmitting
Tester:	Jou Zhou	Test Result:	Pass

#### Environmental Conditions:

Temperature: (°C)	24.6	Relative Humidity: (%)	31	ATM Pressure: (kPa)	102.2
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#### Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101943	2023/3/31	2024/3/30
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
Mini-Circuits	DC Block	BLK-18-S+	1554403	Each time	N/A

\* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

#### Test Data:

##### 5150-5250 MHz:

Test Modes	Test Frequency (MHz)	26 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
802.11a	5180	22.49	17.01
	5200	24.11	17.01
	5240	24.01	17.01
802.11n ht20	5180	24.82	17.88
	5200	25.02	17.88
	5240	24.82	17.96
802.11n ht40	5190	45.73	36.89
	5230	47.18	36.89

#### Note:

The 99% Occupied Bandwidth have not fall into the band 5250-5350MHz, please refer to the test plots of 99% Occupied Bandwidth



**5250-5350 MHz:**

Test Modes	Test Frequency (MHz)	26 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
802.11a	5260	24.11	17.17
	5280	24.11	17.09
	5320	26.44	17.09
802.11n ht20	5260	25.73	17.96
	5280	28.26	17.96
	5320	27.76	17.96
802.11n ht40	5270	45.59	36.73
	5310	43.13	36.73

**5470-5725 MHz:**

Test Modes	Test Frequency (MHz)	26 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
802.11a	5500	24.82	17.01
	5580	24.82	17.01
	5700	23.5	17.09
	5720	23.1	17.01
802.11n ht20	5500	25.63	17.96
	5580	25.93	17.96
	5700	24.31	17.88
	5720	24.92	17.88
802.11n ht40	5510	43.13	36.73
	5550	41.1	36.89
	5670	42.55	36.73
	5710	42.26	36.89

**5725-5850 MHz:**

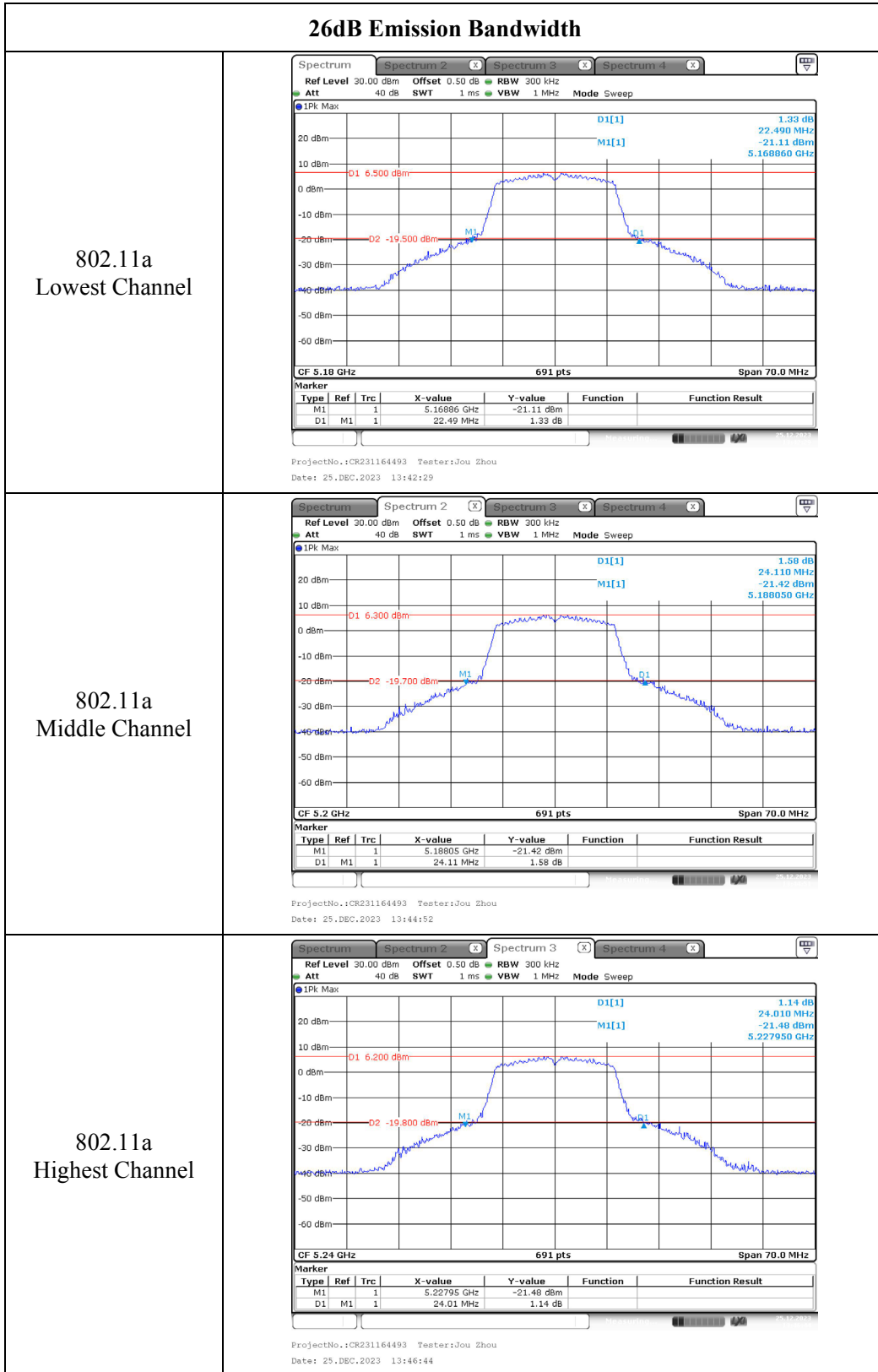
Test Modes	Test Frequency (MHz)	6 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
802.11a	5745	15.36	17.01
	5785	15.2	16.93
	5825	15.36	16.93
802.11n ht20	5745	15.36	17.88
	5785	15.36	17.88
	5825	15.36	17.88
802.11n ht40	5755	35.68	36.73
	5795	35.52	36.73

**Note:**

1. 6dB Emission Bandwidth Limit:  $\geq 0.5$  MHz

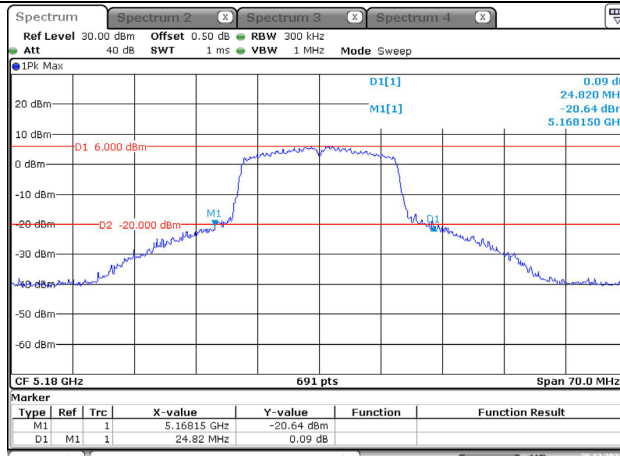
2. The 99% Occupied Bandwidth have not fall into the band 5470-5725MHz, please refer to the test plots of 99% Occupied Bandwidth.

5150-5250MHz:



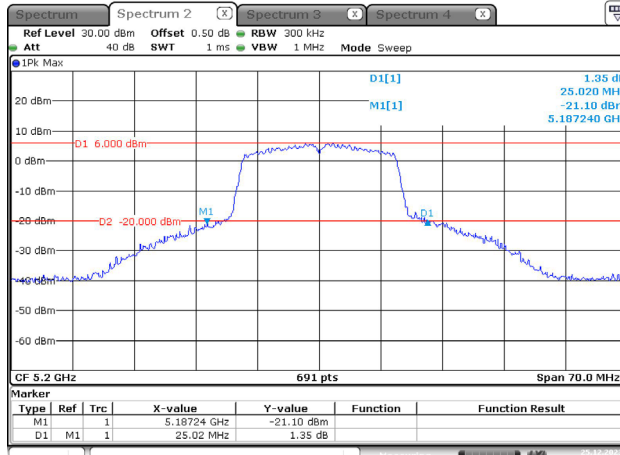
### 26dB Emission Bandwidth

802.11n ht20  
Lowest Channel



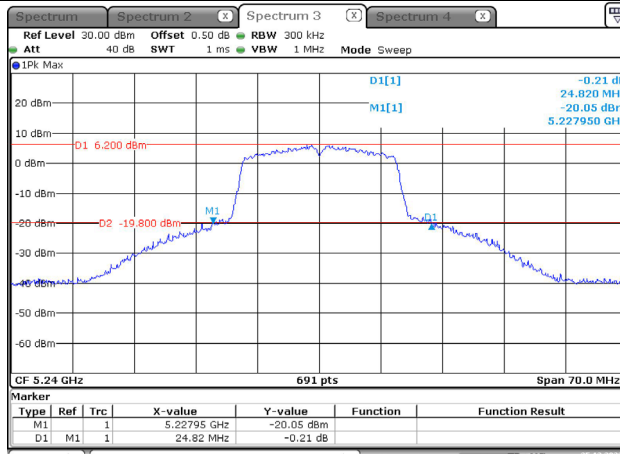
ProjectNo.:CR231164493 Tester:Jou Zhou  
Date: 25.DEC.2023 13:49:07

802.11n ht20  
Middle Channel



ProjectNo.:CR231164493 Tester:Jou Zhou  
Date: 25.DEC.2023 13:51:26

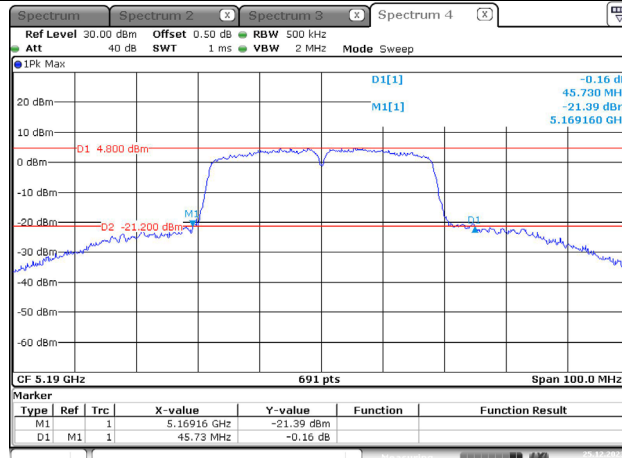
802.11n ht20  
Highest Channel



ProjectNo.:CR231164493 Tester:Jou Zhou  
Date: 25.DEC.2023 13:52:55

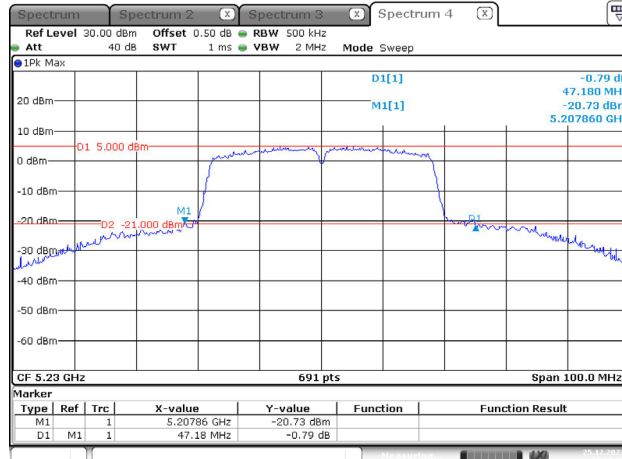
### 26dB Emission Bandwidth

802.11n ht40  
Lowest Channel



ProjectNo.:CR231164493 Tester:Jou Zhou  
Date: 25.DEC.2023 10:56:50

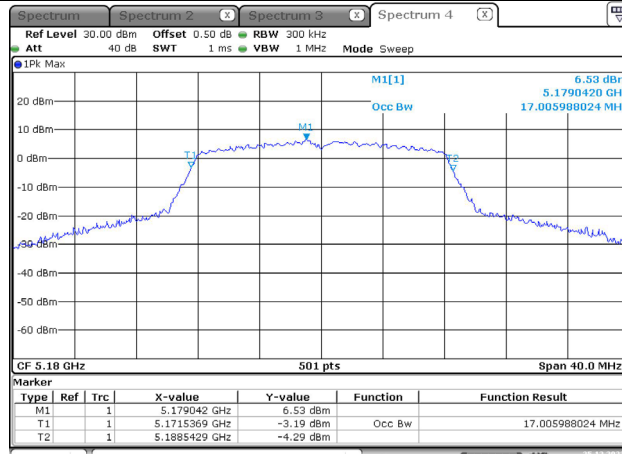
802.11n ht40  
Highest Channel



ProjectNo.:CR231164493 Tester:Jou Zhou  
Date: 25.DEC.2023 11:07:02

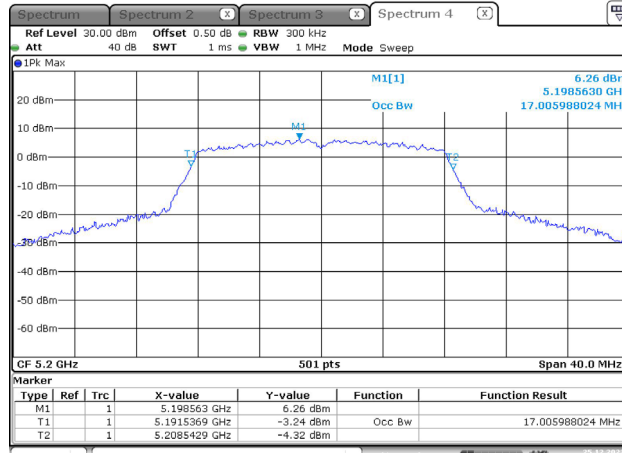
### 99% Emission Bandwidth

802.11a  
Lowest Channel



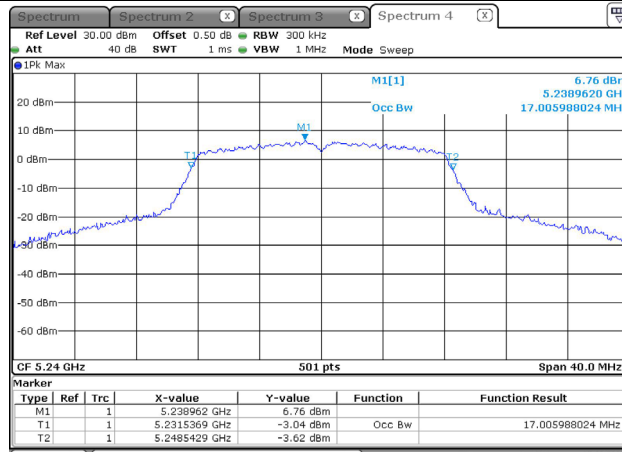
ProjectNo.:CR231164493 Tester:Jou Zhou  
Date: 25.DEC.2023 15:04:18

802.11a  
Middle Channel



ProjectNo.:CR231164493 Tester:Jou Zhou  
Date: 25.DEC.2023 15:05:04

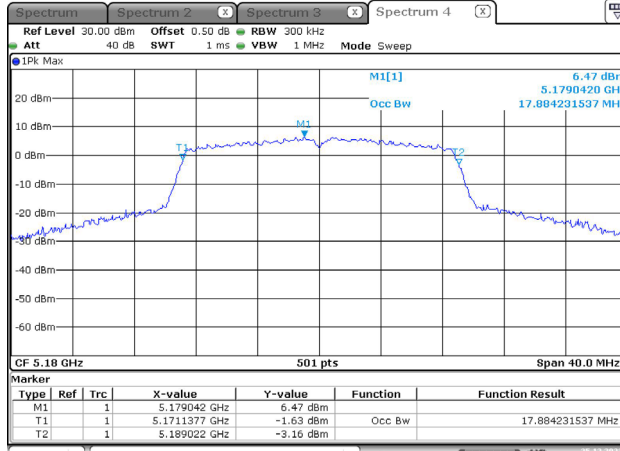
802.11a  
Highest Channel



ProjectNo.:CR231164493 Tester:Jou Zhou  
Date: 25.DEC.2023 15:06:40

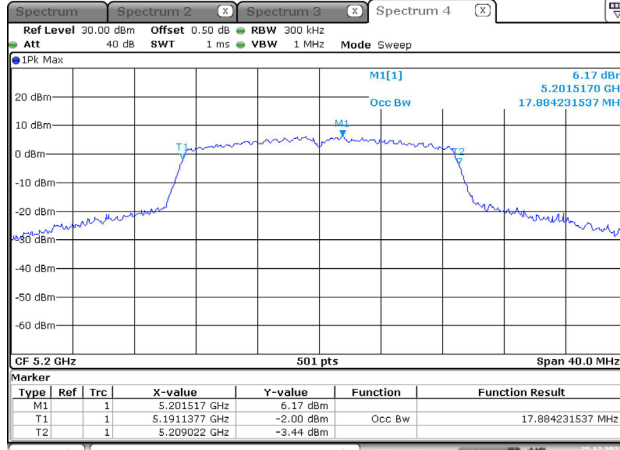
99% Emission Bandwidth

802.11n ht20  
Lowest Channel



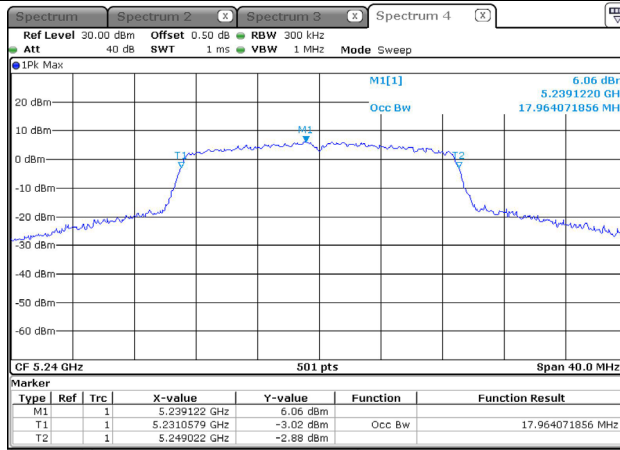
ProjectNo.:CR231164493 Tester:Jou Zhou  
Date: 25.DEC.2023 15:24:46

802.11n ht20  
Middle Channel



ProjectNo.:CR231164493 Tester:Jou Zhou  
Date: 25.DEC.2023 15:25:55

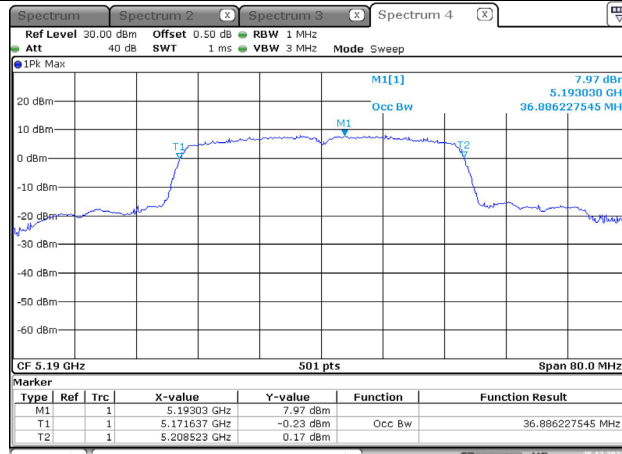
802.11n ht20  
Highest Channel



ProjectNo.:CR231164493 Tester:Jou Zhou  
Date: 25.DEC.2023 15:26:50

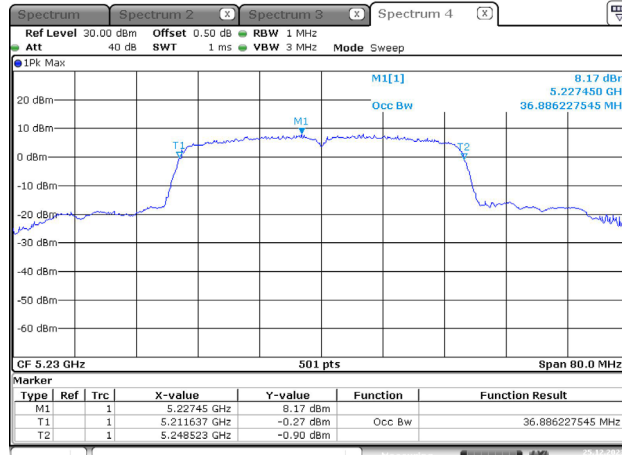
### 99% Emission Bandwidth

802.11n ht40  
Lowest Channel



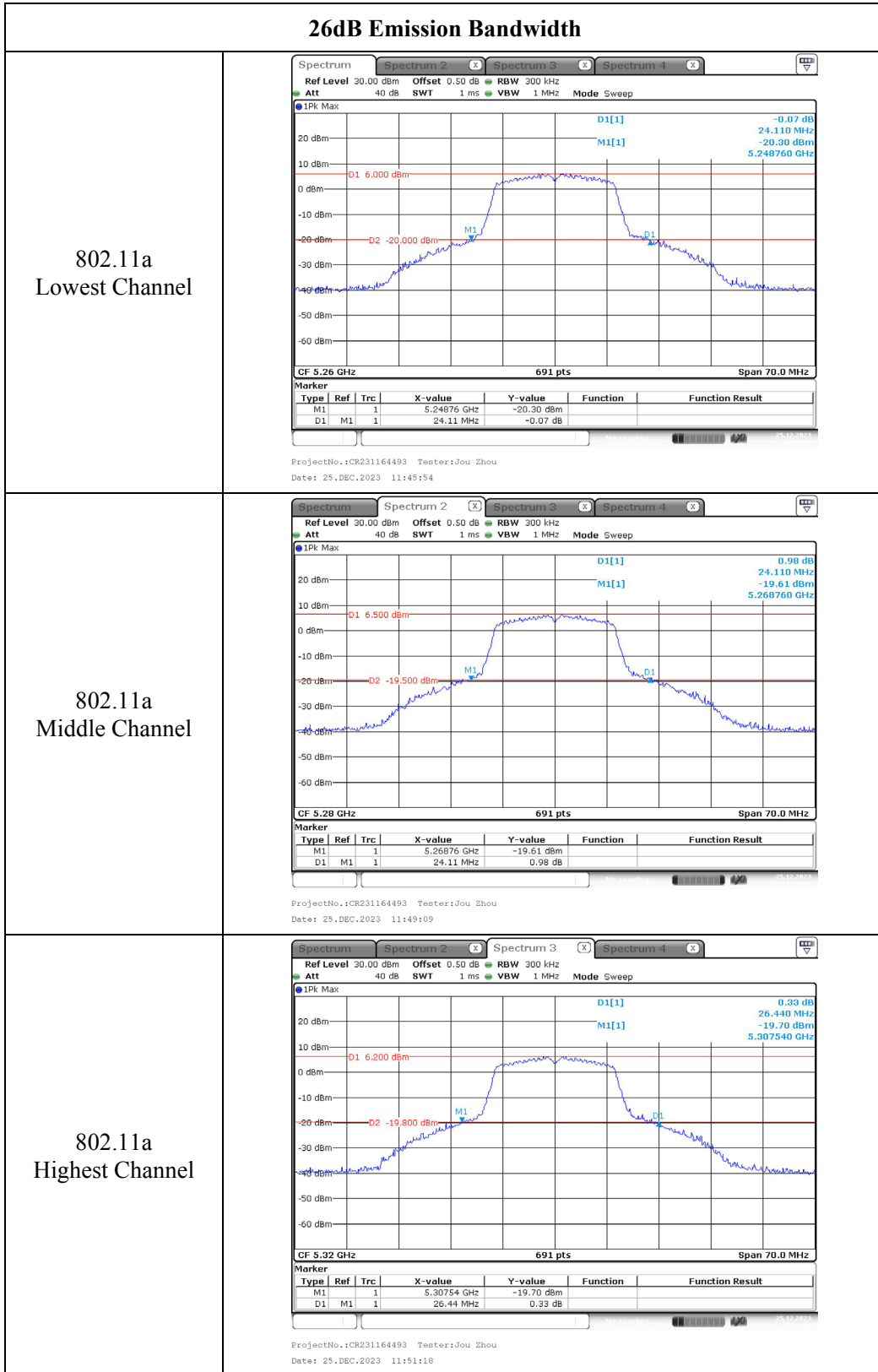
ProjectNo.:CR231164493 Tester:Jou Zhou  
Date: 25.DEC.2023 15:27:55

802.11n ht40  
Highest Channel



ProjectNo.:CR231164493 Tester:Jou Zhou  
Date: 25.DEC.2023 15:28:55

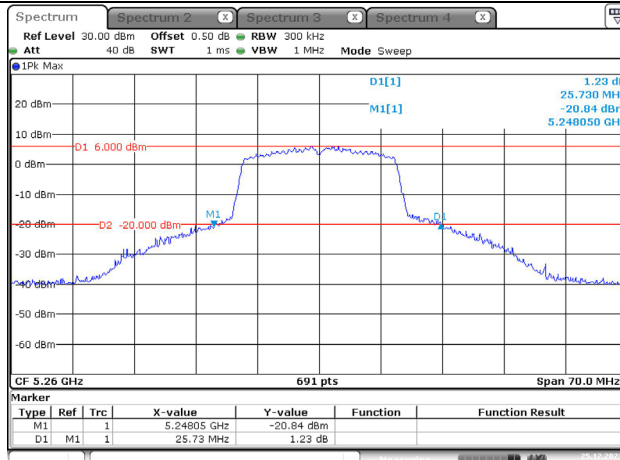
5250-5350MHz:



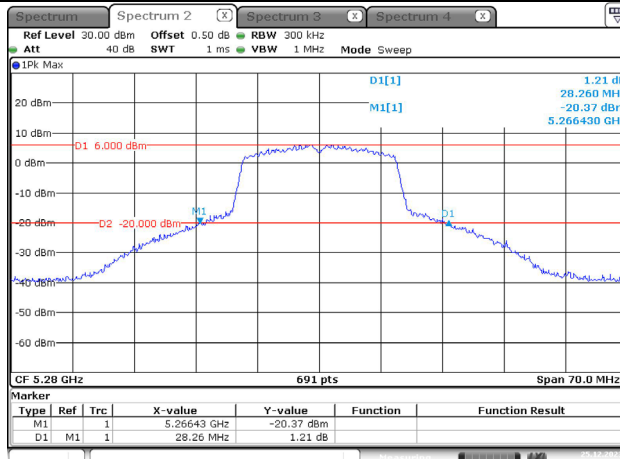


### 26dB Emission Bandwidth

802.11n ht20  
Lowest Channel



802.11n ht20  
Middle Channel



802.11n ht20  
Highest Channel

