



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



TEST REPORT

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FCC ID: 2AGNTMDX600958A

Product Name: EVO Max

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)

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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.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0123.

Declarations

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	CR230955603-00F	Original Report	2023/11/9

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

1.1.1 General:

EUT Name:	EVO Max
EUT Model:	MDX
Operation Frequency:	5180-5240 MHz (802.11a/n ht20/ac vht20/ax he20) 5190-5230 MHz(802.11n ht40/ac vht40/ax he40) 5210 MHz(802.11ac vht80/ax he80) 5745-5825 MHz (802.11a/n ht20/ac vht20/ax he20) 5755-5795 MHz(802.11n ht40/ac vht40/ax he40) 5775 MHz(802.11ac vht80/ax he80)
Maximum Average Output Power (Conducted):	17.81 dBm (5150-5250 MHz) 16.01dBm (5725-5850 MHz)
Modulation Type:	802.11a/n/ac/ax: OFDM-BPSK, QPSK, 16QAM, 64QAM,256QAM
Rated Input Voltage:	DC 14.88V from battery
Serial Number:	2BJM-12 (For RF Conducted Test) 2BJM-1 (For Radiated Emission Test)
EUT Received Date:	2023/9/22
EUT Received Status:	Good

1.1.2 Operation Frequency Detail:

For 802.11a/n ht20/ac vht20/ax he20:

5150-5250MHz Band		5725-5850MHz Band	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	149	5745
40	5200	153	5765
44	5220	157	5785
48	5240	161	5805
/	/	165	5825
Per section 15.31(m), the below frequencies were performed the test as below:			
36	5180	149	5745
40	5200	157	5785
48	5240	165	5825

For 802.11n ht40/ac vht40/ax he40:

5150-5250MHz Band		5725-5850MHz Band	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190	151	5755
46	5230	159	5795
Per section 15.31(m), the below frequencies were performed the test as below:			
38	5190	151	5755
46	5230	159	5795

For 802.11ac vht80/ax he80:

5150-5250MHz Band		5725-5850MHz Band	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
42	5210	155	5775
Per section 15.31(m), the below frequencies were performed the test as below:			
42	5210	155	5775

1.1.3 Antenna Information Detail▲:

Antenna Chain	Manufacturer	Antenna Type	input impedance (Ohm)	Frequency Range	Antenna Gain
0	Autel Robotics Co., Ltd.	FPC	50	2.4-2.5GHz	2.1 dBi
				5.15-5.25GHz	2.6 dBi
				5.725-5.85GHz	3.7 dBi
1		FPC	50	2.4-2.5GHz	2.2 dBi
				5.15-5.25GHz	-0.4 dBi
				5.725-5.85GHz	2.9 dBi

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 Esun Power Technology Co.,Ltd	MDX 120W	Input: 100-240Vac 50/60Hz 3.0A Output: 17.0Vdc,7.06A(Main); USB-C:5.0Vdc,3.0A; 9.0Vdc,3.0A; 12.0Vdc,2.5A Total Output Power:120W Max

1.2 Description of Test Configuration

1.2.1 EUT Operation Condition:

EUT Operation Mode:		The system was configured for testing in Engineering Mode, which was provided by the manufacturer.			
Equipment Modifications:		No			
EUT Exercise Software:		cmd			
The software was provided by manufacturer. The maximum power was configured as below, that was provided by the manufacturer ▲:					
5150-5250 MHz Band:					
Test Modes	Test Channels	Test Frequency (MHz)	Data rate	Power Level Setting	
				Chain 0	Chain 1
802.11a	Lowest	5180	6Mbps	15	15
	Middle	5200	6Mbps	15	15
	Highest	5240	6Mbps	15	15
802.11n ht20	Lowest	5180	MCS8	18	18
	Middle	5200	MCS8	18	18
	Highest	5240	MCS8	18	18
802.11n ht40	Lowest	5190	MCS8	17	17
	Highest	5230	MCS8	17	17
802.11ac vht20	Lowest	5180	MCS8	15	15
	Middle	5200	MCS8	15	15
	Highest	5240	MCS8	15	15
802.11ac vht40	Lowest	5190	MCS8	15	15
	Highest	5230	MCS8	16	17
802.11ac vht80	Middle	5210	MCS8	18	18
802.11ax he20	Lowest	5180	MCS8	15	15
	Middle	5200	MCS8	15	15
	Highest	5240	MCS8	15	15
802.11ax he40	Lowest	5190	MCS8	13	13
	Highest	5230	MCS8	13	18
802.11ax he80	Middle	5210	MCS8	13	13

5725-5850 MHz Band:

Test Modes	Test Channels	Test Frequency (MHz)	Data rate	Power Level Setting	
				Chain 0	Chain 1
802.11a	Lowest	5745	6Mbps	13	14
	Middle	5785	6Mbps	13	13
	Highest	5825	6Mbps	13	13
802.11n ht20	Lowest	5745	MCS8	12	14
	Middle	5785	MCS8	12	14
	Highest	5825	MCS8	12	14
802.11n ht40	Lowest	5755	MCS8	13	14
	Highest	5795	MCS8	13	14
802.11ac vht20	Lowest	5745	MCS8	12	14
	Middle	5785	MCS8	12	14
	Highest	5825	MCS8	12	14
802.11ac vht40	Lowest	5755	MCS8	15	14
	Highest	5795	MCS8	15	14
802.11ac vht80	Middle	5775	MCS8	12	13
802.11ax he20	Lowest	5745	MCS8	12	13
	Middle	5785	MCS8	12	13
	Highest	5825	MCS8	12	13
802.11ax he40	Lowest	5755	MCS8	12	13
	Highest	5795	MCS8	12	13
802.11ax he80	Middle	5775	MCS8	10	10

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.

The device supports SISO in all modes, and MIMO 2T2R in 802.11n/ac/ax modes, per pretest, 2T2R mode was the worst mode and reported for 802.11n/ac/ax modes.

For 802.11 ax mode, the device only supports full-RU.

1.2.2 Support Equipment List and Details

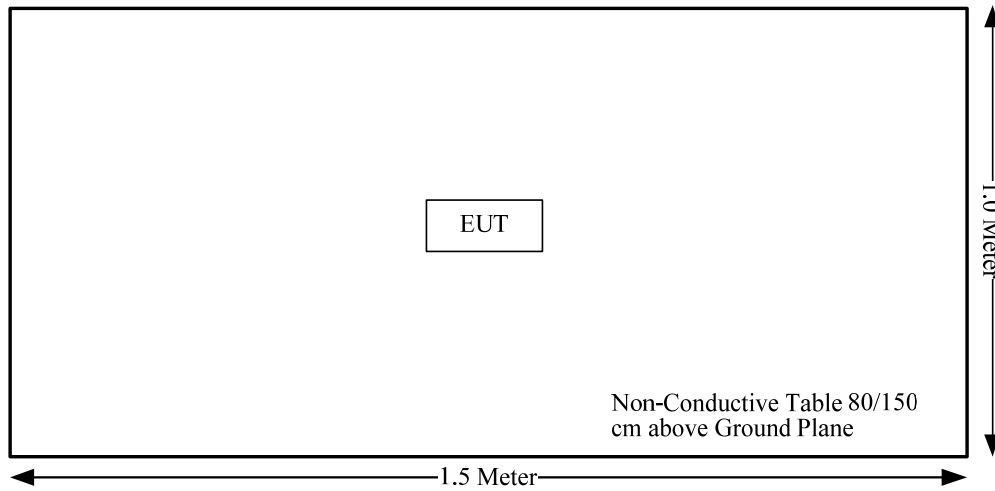
Manufacturer	Description	Model	Serial Number
/	/	/	/

1.2.3 Support Cable List and Details

Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
/	/	/	/	/	/

1.2.4 Block Diagram of Test Setup

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	30M~200MHz: 4.15 dB,200M~1GHz: 5.61 dB,1G~6GHz: 5.14 dB, 6G~18GHz: 5.93 dB,18G~26.5G:5.47 dB,26.5G~40G: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
§15.207(a)	AC line conducted emissions	Not Applicable
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
§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 μ 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 μ 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:

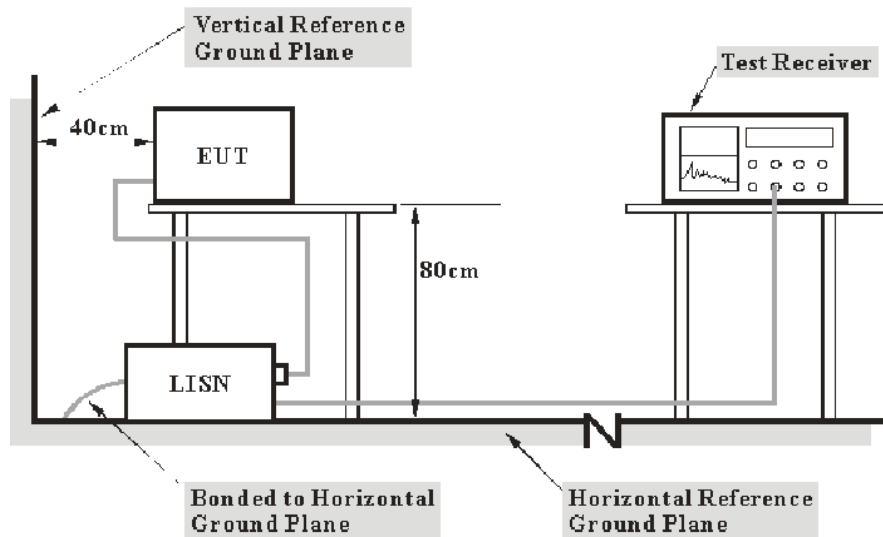
(1) For carrier current system containing their fundamental emission within the frequency band 535-1705 kHz and intended to be received using a standard AM broadcast receiver: no limit on conducted emissions.

(2) For all other carrier current systems: 1000 μ V within the frequency band 535-1705 kHz, as measured using a 50 μ 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.

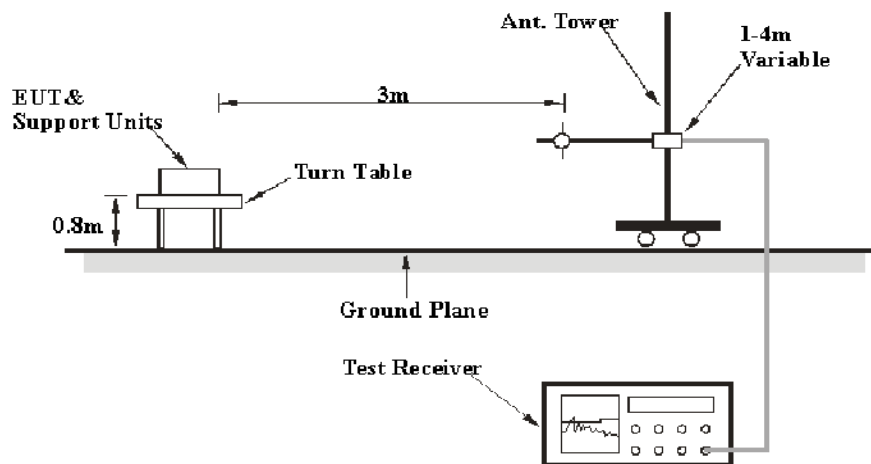
(10) The provisions of § 15.205 apply to intentional radiators operating under this section.

(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.

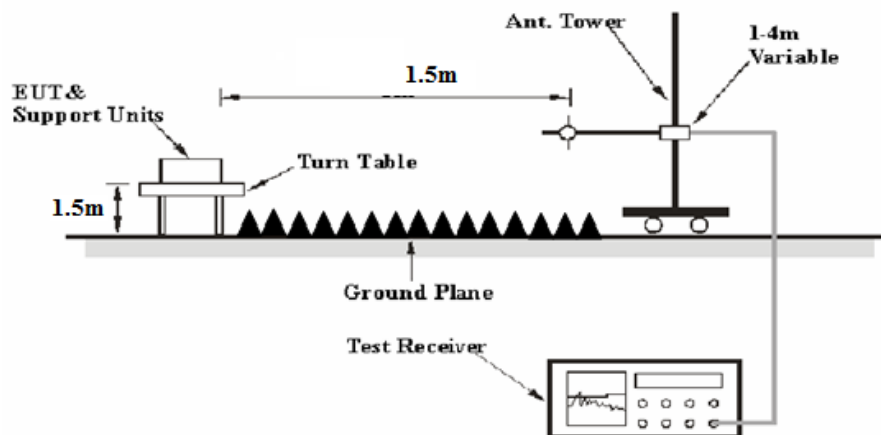
(c) The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signalling information or the use of repetitive codes used by certain digital technologies 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

Below 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.

3.2.3 EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 30 MHz to 40 GHz.

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

30MHz-1000MHz:

Measurement	RBW	Video B/W	IF B/W
QP	100 kHz	300 kHz	120kHz

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 30 MHz-1GHz, peak and Average detection modes for frequencies above 1GHz.

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, emission shall be computed as: $E [dB\mu V/m] = EIRP[dBm] + 95.2$, for $d = 3$ meters.

According to C63.10, the above 1G test result shall be extrapolated to the specified distance using an extrapolation Factor of 20dB/decade from 3m to 1.5m

Distance extrapolation Factor = $20 \log (\text{specific distance } [3m]/\text{test distance } [1.5m])$ dB= 6.02 dB

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

For 30MHz-1GHz:

Result = Reading + Factor

For 1GHz-40GHz

Result = Reading + Factor-Distance extrapolation 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

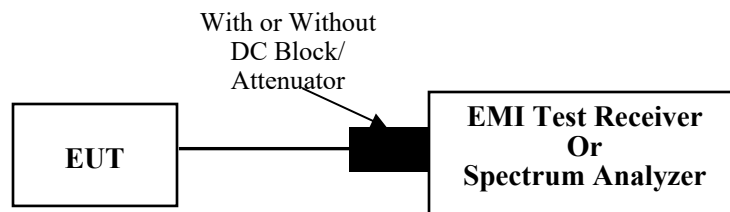
FCC §15.407 (a),(h)

(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.

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.

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) ≥ 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.

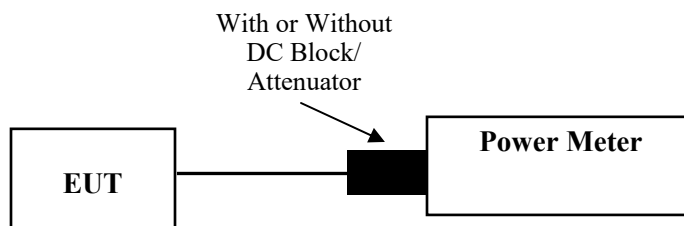
FCC §15.407(a) (2)

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 12.3.3.1

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.

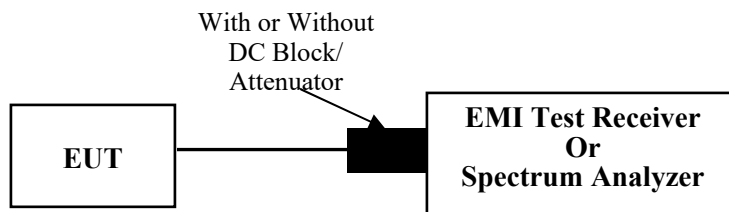
FCC §15.407(a) (2)

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 $\pm 2\%$

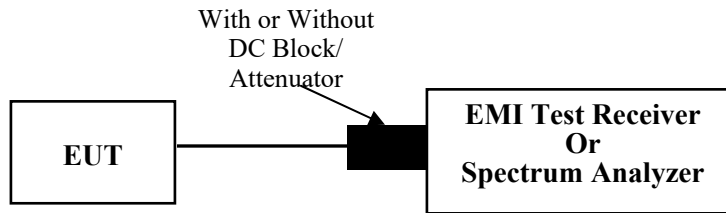
KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-2 should be applied.

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.

3.7 Duty Cycle

3.7.1 EUT Setup



3.7.2 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 $T \leq 16.7 \mu s$.)

3.8 Antenna Requirement

3.8.1 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.

3.8.2 Judgment

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

4. Test DATA AND RESULTS

4.1 AC Line Conducted Emissions

Not Applicable, the device was powered by battery when operating.

4.2 Radiation Spurious Emissions

Serial Number:	2BJM-1	Test Date:	2023/10/26-2023/11/2
Test Site:	966-1/966-2	Test Mode:	Transmitting
Tester:	coco Tian, Jeff Luo	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.1~26.6	Relative Humidity: (%)	45-62	ATM Pressure: (kPa)	100.9-101.5
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Sunol Sciences	Antenna	JB6	A082520-6	2023/9/18	2026/9/17
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
AH	Double Ridge Guide Horn Antenna	SAS-571	1394	2023/2/22	2025/2/23
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	2022/11/9	2023/11/8
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).

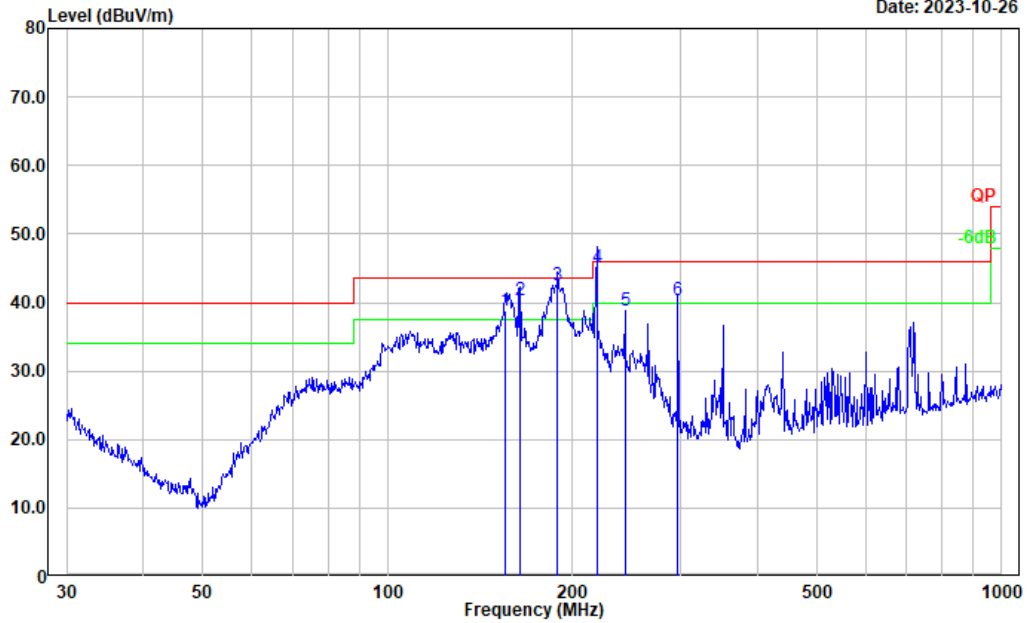
Test Data:

Please refer to the below table and plots.

1) 30MHz-1GHz (maximum output power mode (5.2G ax40/5.8G ac40 was tested))
5.2GHz band, Low channel

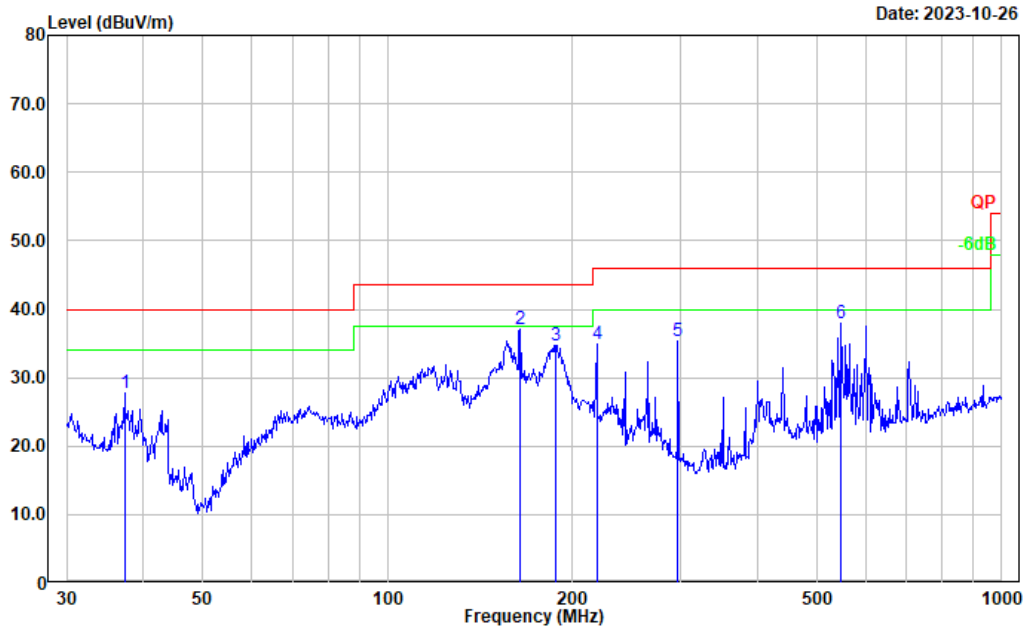
Project No.: CR230955603-RF
 Tester: Jeff Luo
 Polarization: horizontal
 Note:

Date: 2023-10-26



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	155.364	50.80	-11.96	38.84	43.50	4.66	QP
2	164.330	52.63	-12.34	40.29	43.50	3.21	QP
3	189.074	55.92	-13.47	42.45	43.50	1.05	QP
4	219.075	57.90	-12.82	45.08	46.00	0.92	QP
5	243.377	51.93	-13.08	38.85	46.00	7.15	Peak
6	297.224	50.99	-10.71	40.28	46.00	5.72	QP

Project No.: CR230955603-RF
 Tester: Jeff Luo
 Polarization: vertical
 Note:

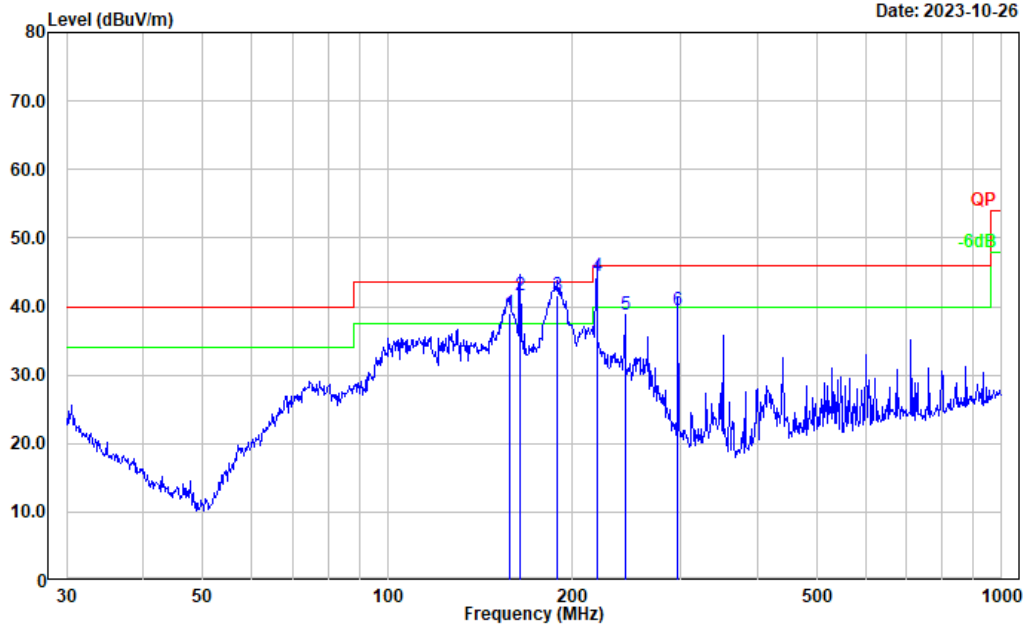


No.	Frequency (MHz)	Reading (dB μ V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector
1	37.285	37.20	-9.35	27.85	40.00	12.15	Peak
2	164.330	49.52	-12.34	37.18	43.50	6.32	Peak
3	187.753	48.19	-13.51	34.68	43.50	8.82	Peak
4	219.075	47.73	-12.82	34.91	46.00	11.09	Peak
5	297.224	45.99	-10.71	35.28	46.00	10.72	Peak
6	547.098	43.73	-5.83	37.90	46.00	8.10	Peak

High Channel:

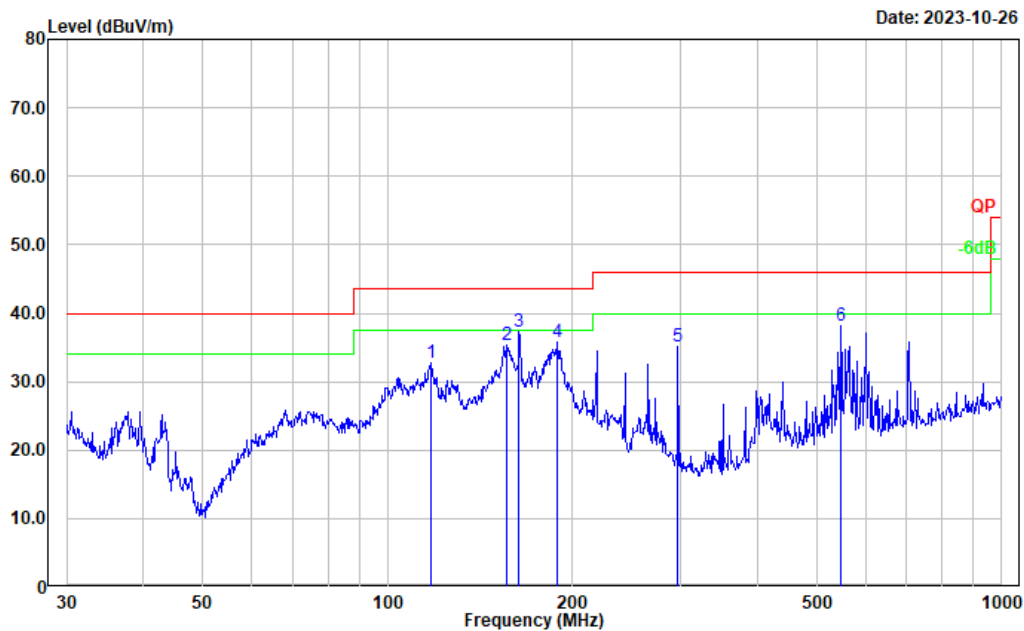
Project No.: CR230955603-RF
 Tester: Jeff Luo
 Polarization: horizontal
 Note:

Date: 2023-10-26



No.	Frequency (MHz)	Reading (dB μ V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector
1	158.112	51.05	-11.96	39.09	43.50	4.41	QP
2	164.330	53.91	-12.34	41.57	43.50	1.93	QP
3	189.074	55.19	-13.47	41.72	43.50	1.78	QP
4	219.075	57.35	-12.82	44.53	46.00	1.47	QP
5	243.377	51.88	-13.08	38.80	46.00	7.20	Peak
6	297.224	50.08	-10.71	39.37	46.00	6.63	QP

Project No.: CR230955603-RF
 Tester: Jeff Luo
 Polarization: vertical
 Note:

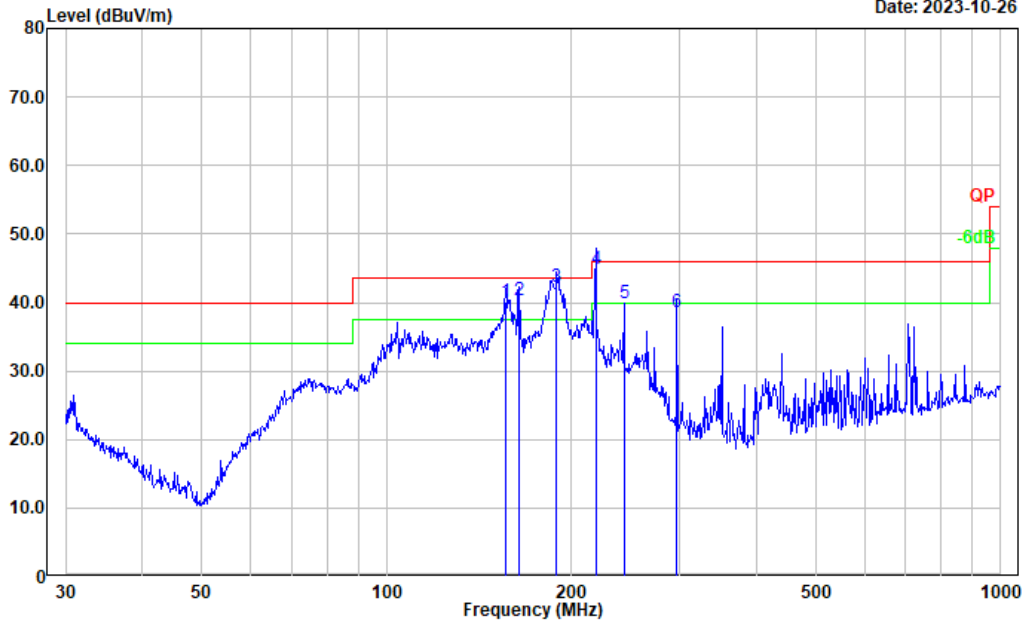


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	117.360	44.49	-11.67	32.82	43.50	10.68	Peak
2	155.910	47.35	-11.94	35.41	43.50	8.09	Peak
3	163.755	49.59	-12.28	37.31	43.50	6.19	Peak
4	189.074	49.33	-13.47	35.86	43.50	7.64	Peak
5	297.224	45.83	-10.71	35.12	46.00	10.88	Peak
6	547.098	44.09	-5.83	38.26	46.00	7.74	Peak

5.8GHz band, Low channel:

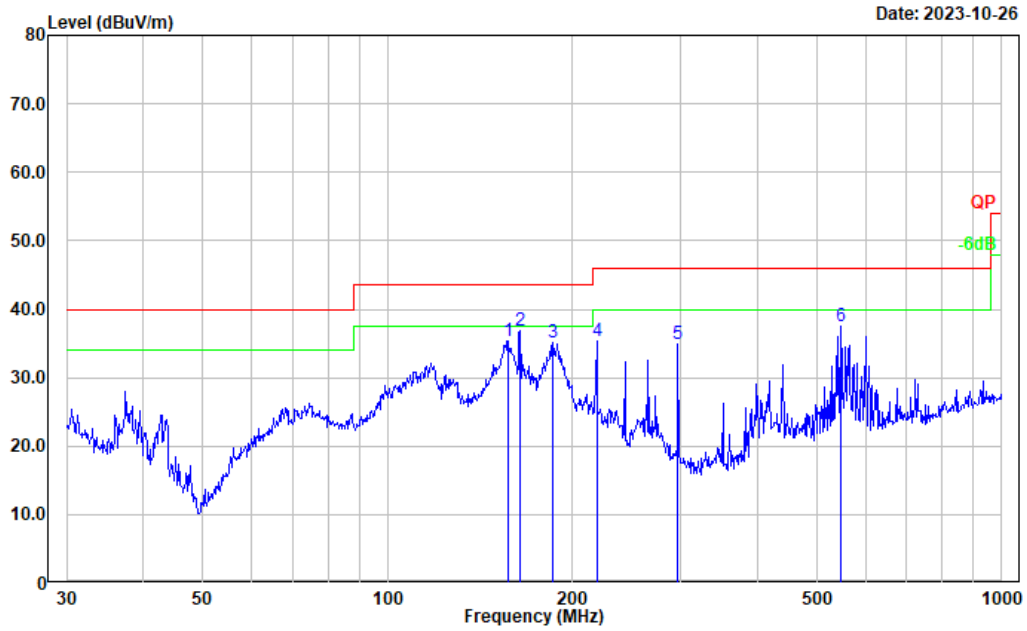
Project No.: CR230955603-RF
 Tester: Jeff Luo
 Polarization: horizontal
 Note:

Date: 2023-10-26



No.	Frequency (MHz)	Reading (dB μ V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector
1	155.910	52.08	-11.94	40.14	43.50	3.36	QP
2	164.330	52.59	-12.34	40.25	43.50	3.25	QP
3	189.074	55.85	-13.47	42.38	43.50	1.12	QP
4	219.075	57.73	-12.82	44.91	46.00	1.09	QP
5	243.377	52.96	-13.08	39.88	46.00	6.12	Peak
6	297.224	49.32	-10.71	38.61	46.00	7.39	QP

Project No.: CR230955603-RF
 Tester: Jeff Luo
 Polarization: vertical
 Note:

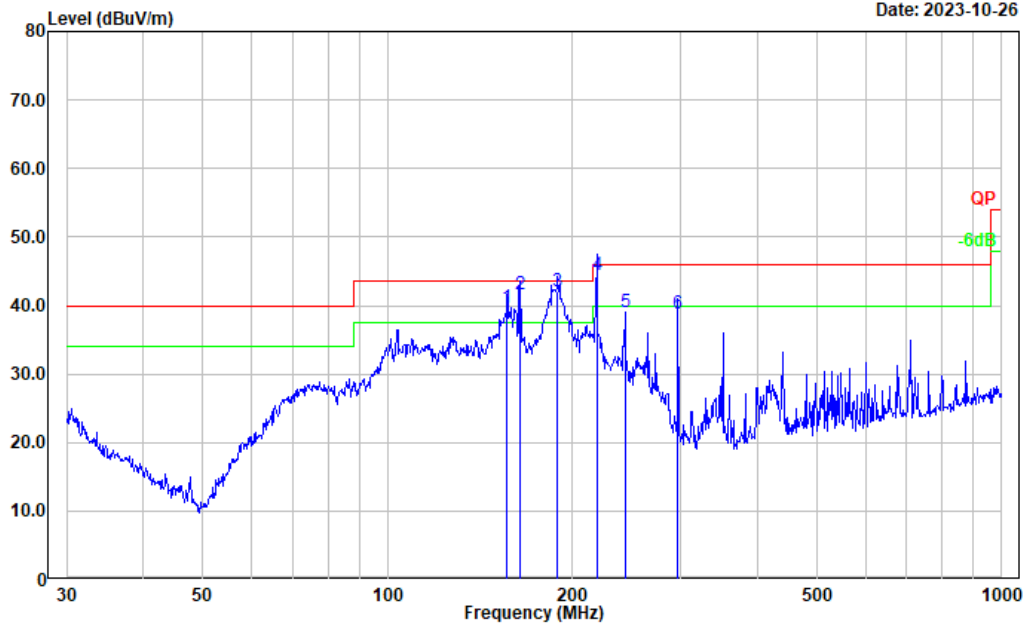


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	157.007	47.25	-11.94	35.31	43.50	8.19	Peak
2	164.330	49.19	-12.34	36.85	43.50	6.65	Peak
3	185.788	48.55	-13.52	35.03	43.50	8.47	Peak
4	219.075	48.13	-12.82	35.31	46.00	10.69	Peak
5	297.224	45.70	-10.71	34.99	46.00	11.01	Peak
6	547.098	43.41	-5.83	37.58	46.00	8.42	Peak

High Channel:

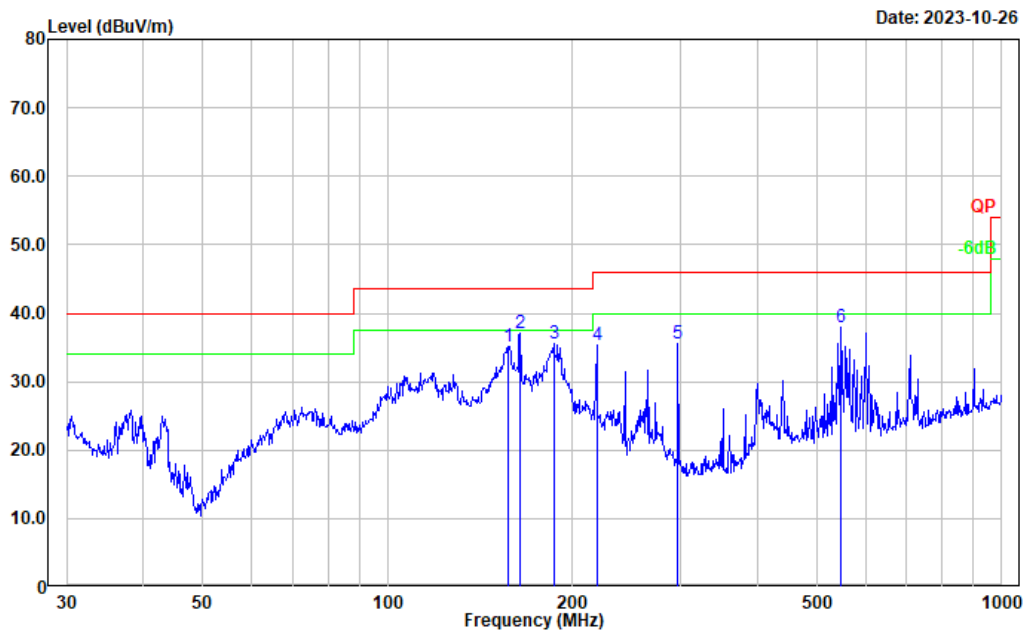
Project No.: CR230955603-RF
 Tester: Jeff Luo
 Polarization: horizontal
 Note:

Date: 2023-10-26



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	156.458	51.66	-11.94	39.72	43.50	3.78	QP
2	164.330	53.87	-12.34	41.53	43.50	1.97	QP
3	189.074	55.60	-13.47	42.13	43.50	1.37	QP
4	219.075	57.26	-12.82	44.44	46.00	1.56	QP
5	243.377	52.06	-13.08	38.98	46.00	7.02	Peak
6	297.224	49.60	-10.71	38.89	46.00	7.11	QP

Project No.: CR230955603-RF
 Tester: Jeff Luo
 Polarization: vertical
 Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	157.007	46.96	-11.94	35.02	43.50	8.48	Peak
2	164.330	49.42	-12.34	37.08	43.50	6.42	Peak
3	186.441	49.04	-13.53	35.51	43.50	7.99	Peak
4	219.075	48.25	-12.82	35.43	46.00	10.57	Peak
5	297.224	46.23	-10.71	35.52	46.00	10.48	Peak
6	547.098	43.86	-5.83	38.03	46.00	7.97	Peak

**2) 1GHz-40GHz:
5150-5250MHz
802.11a, Chain 0**

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector					
Low Channel: 5180MHz							
5150.000	34.27	PK	H	32.83	67.10	74.00	6.90
5150.000	18.47	AV	H	32.83	51.30	54.00	2.70
5150.000	34.05	PK	V	32.83	66.88	74.00	7.12
5150.000	17.84	AV	V	32.83	50.67	54.00	3.33
10360.000	32.64	PK	H	14.45	47.09	68.20	21.11
10360.000	32.58	PK	V	14.45	47.03	68.20	21.17
15540.000	33.78	PK	H	18.60	52.38	74.00	21.62
15540.000	20.54	AV	H	18.60	39.14	54.00	14.86
15540.000	34.16	PK	V	18.60	52.76	74.00	21.24
15540.000	20.87	AV	V	18.60	39.47	54.00	14.53
Middle Channel: 5200 MHz							
10400.000	32.67	PK	H	14.52	47.19	68.20	21.01
10400.000	32.81	PK	V	14.52	47.33	68.20	20.87
15600.000	33.69	PK	H	18.69	52.38	74.00	21.62
15600.000	20.94	AV	H	18.69	39.63	54.00	14.37
15600.000	33.97	PK	V	18.69	52.66	74.00	21.34
15600.000	20.65	AV	V	18.69	39.34	54.00	14.66
High Channel: 5240 MHz							
5350.000	28.64	PK	H	32.70	61.34	74.00	12.66
5350.000	16.02	AV	H	32.70	48.72	54.00	5.28
5350.000	28.10	PK	V	32.70	60.80	74.00	13.20
5350.000	15.94	AV	V	32.70	48.64	54.00	5.36
10480.000	32.65	PK	H	14.40	47.05	68.20	21.15
10480.000	32.48	PK	V	14.40	46.88	68.20	21.32
15720.000	34.63	PK	H	18.80	53.43	74.00	20.57
15720.000	21.58	AV	H	18.80	40.38	54.00	13.62
15720.000	34.77	PK	V	18.80	53.57	74.00	20.43
15720.000	21.23	AV	V	18.80	40.03	54.00	13.97

802.11a, Chain 1

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector					
Low Channel: 5180MHz							
5150.000	34.42	PK	H	32.83	67.25	74.00	6.75
5150.000	18.06	AV	H	32.83	50.89	54.00	3.11
5150.000	34.11	PK	V	32.83	66.94	74.00	7.06
5150.000	17.89	AV	V	32.83	50.72	54.00	3.28
10360.000	32.43	PK	H	14.45	46.88	68.20	21.32
10360.000	32.37	PK	V	14.45	46.82	68.20	21.38
15540.000	33.76	PK	H	18.60	52.36	74.00	21.64
15540.000	20.54	AV	H	18.60	39.14	54.00	14.86
15540.000	33.61	PK	V	18.60	52.21	74.00	21.79
15540.000	20.49	AV	V	18.60	39.09	54.00	14.91
Middle Channel: 5200 MHz							
10400.000	32.45	PK	H	14.52	46.97	68.20	21.23
10400.000	32.58	PK	V	14.52	47.10	68.20	21.10
15600.000	33.72	PK	H	18.69	52.41	74.00	21.59
15600.000	20.50	AV	H	18.69	39.19	54.00	14.81
15600.000	33.64	PK	V	18.69	52.33	74.00	21.67
15600.000	20.70	AV	V	18.69	39.39	54.00	14.61
High Channel: 5240 MHz							
5350.000	38.76	PK	H	32.70	71.46	74.00	2.54
5350.000	16.83	AV	H	32.70	49.53	54.00	4.47
5350.000	28.33	PK	V	32.70	61.03	74.00	12.97
5350.000	15.81	AV	V	32.70	48.51	54.00	5.49
10480.000	32.71	PK	H	14.40	47.11	68.20	21.09
10480.000	32.86	PK	V	14.40	47.26	68.20	20.94
15720.000	34.39	PK	H	18.80	53.19	74.00	20.81
15720.000	21.09	AV	H	18.80	39.89	54.00	14.11
15720.000	33.97	PK	V	18.80	52.77	74.00	21.23
15720.000	20.99	AV	V	18.80	39.79	54.00	14.21

802.11n ht20(MIMO was the worst):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector					
Low Channel: 5180MHz							
5150.000	36.64	PK	H	32.83	69.47	74.00	4.53
5150.000	18.67	AV	H	32.83	51.50	54.00	2.50
5150.000	37.23	PK	V	32.83	70.06	74.00	3.94
5150.000	19.02	AV	V	32.83	51.85	54.00	2.15
10360.000	31.98	PK	H	14.45	46.43	68.20	21.77
10360.000	32.04	PK	V	14.45	46.49	68.20	21.71
15540.000	34.26	PK	H	18.60	52.86	74.00	21.14
15540.000	21.10	AV	H	18.60	39.70	54.00	14.30
15540.000	34.65	PK	V	18.60	53.25	74.00	20.75
15540.000	21.73	AV	V	18.60	40.33	54.00	13.67
Middle Channel: 5200 MHz							
10400.000	32.15	PK	H	14.52	46.67	68.20	21.53
10400.000	32.14	PK	V	14.52	46.66	68.20	21.54
15600.000	34.86	PK	H	18.69	53.55	74.00	20.45
15600.000	21.47	AV	H	18.69	40.16	54.00	13.84
15600.000	34.89	PK	V	18.69	53.58	74.00	20.42
15600.000	21.87	AV	V	18.69	40.56	54.00	13.44
High Channel: 5240 MHz							
5350.000	31.15	PK	H	32.70	63.85	74.00	10.15
5350.000	17.21	AV	H	32.70	49.91	54.00	4.09
5350.000	31.42	PK	V	32.70	64.12	74.00	9.88
5350.000	17.64	AV	V	32.70	50.34	54.00	3.66
10480.000	32.36	PK	H	14.40	46.76	68.20	21.44
10480.000	32.27	PK	V	14.40	46.67	68.20	21.53
15720.000	34.76	PK	H	18.80	53.56	74.00	20.44
15720.000	21.81	AV	H	18.80	40.61	54.00	13.39
15720.000	34.92	PK	V	18.80	53.72	74.00	20.28
15720.000	21.77	AV	V	18.80	40.57	54.00	13.43

802.11n ht40(MIMO was the worst):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector					
Low Channel: 5190MHz							
5150.000	32.23	PK	H	32.83	65.06	74.00	8.94
5150.000	18.42	AV	H	32.83	51.25	54.00	2.75
5150.000	32.79	PK	V	32.83	65.62	74.00	8.38
5150.000	18.45	AV	V	32.83	51.28	54.00	2.72
10380.000	32.75	PK	H	14.49	47.24	68.20	20.96
10380.000	32.48	PK	V	14.49	46.97	68.20	21.23
15570.000	34.97	PK	H	18.65	53.62	74.00	20.38
15570.000	21.58	AV	H	18.65	40.23	54.00	13.77
15570.000	34.78	PK	V	18.65	53.43	74.00	20.57
15570.000	21.88	AV	V	18.65	40.53	54.00	13.47
High Channel: 5230 MHz							
5350.000	30.64	PK	H	32.70	63.34	74.00	10.66
5350.000	17.49	AV	H	32.70	50.19	54.00	3.81
5350.000	30.83	PK	V	32.70	63.53	74.00	10.47
5350.000	17.75	AV	V	32.70	50.45	54.00	3.55
10460.000	32.77	PK	H	14.43	47.20	68.20	21.00
10460.000	32.95	PK	V	14.43	47.38	68.20	20.82
15690.000	34.91	PK	H	18.75	53.66	74.00	20.34
15690.000	21.76	AV	H	18.75	40.51	54.00	13.49
15690.000	34.93	PK	V	18.75	53.68	74.00	20.32
15690.000	21.82	AV	V	18.75	40.57	54.00	13.43

802.11ac vht20(MIMO was the worst):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector					
Low Channel: 5180MHz							
5150.000	36.11	PK	H	32.83	68.94	74.00	5.06
5150.000	17.86	AV	H	32.83	50.69	54.00	3.31
5150.000	36.54	PK	V	32.83	69.37	74.00	4.63
5150.000	18.47	AV	V	32.83	51.30	54.00	2.70
10360.000	32.16	PK	H	14.45	46.61	68.20	21.59
10360.000	32.31	PK	V	14.45	46.76	68.20	21.44
15540.000	34.65	PK	H	18.60	53.25	74.00	20.75
15540.000	21.47	AV	H	18.60	40.07	54.00	13.93
15540.000	34.69	PK	V	18.60	53.29	74.00	20.71
15540.000	21.33	AV	V	18.60	39.93	54.00	14.07
Middle Channel: 5200 MHz							
10400.000	32.41	PK	H	14.52	46.93	68.20	21.27
10400.000	32.62	PK	V	14.52	47.14	68.20	21.06
15600.000	34.77	PK	H	18.69	53.46	74.00	20.54
15600.000	21.58	AV	H	18.69	40.27	54.00	13.73
15600.000	34.65	PK	V	18.69	53.34	74.00	20.66
15600.000	21.79	AV	V	18.69	40.48	54.00	13.52
High Channel: 5240 MHz							
5350.000	31.44	PK	H	32.70	64.14	74.00	9.86
5350.000	17.26	AV	H	32.70	49.96	54.00	4.04
5350.000	31.63	PK	V	32.70	64.33	74.00	9.67
5350.000	17.37	AV	V	32.70	50.07	54.00	3.93
10480.000	32.76	PK	H	14.40	47.16	68.20	21.04
10480.000	32.54	PK	V	14.40	46.94	68.20	21.26
15720.000	34.88	PK	H	18.80	53.68	74.00	20.32
15720.000	21.67	AV	H	18.80	40.47	54.00	13.53
15720.000	34.62	PK	V	18.80	53.42	74.00	20.58
15720.000	21.76	AV	V	18.80	40.56	54.00	13.44

802.11ac vht40(MIMO was the worst)::

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector					
Low Channel: 5190MHz							
5150.000	30.69	PK	H	32.83	63.52	74.00	10.48
5150.000	17.54	AV	H	32.83	50.37	54.00	3.63
5150.000	30.64	PK	V	32.83	63.47	74.00	10.53
5150.000	17.67	AV	V	32.83	50.50	54.00	3.50
10380.000	32.65	PK	H	14.49	47.14	68.20	21.06
10380.000	32.48	PK	V	14.49	46.97	68.20	21.23
15570.000	34.69	PK	H	18.65	53.34	74.00	20.66
15570.000	21.57	AV	H	18.65	40.22	54.00	13.78
15570.000	34.74	PK	V	18.65	53.39	74.00	20.61
15570.000	21.90	AV	V	18.65	40.55	54.00	13.45
High Channel: 5230 MHz							
5350.000	30.54	PK	H	32.70	63.24	74.00	10.76
5350.000	17.64	AV	H	32.70	50.34	54.00	3.66
5350.000	30.97	PK	V	32.70	63.67	74.00	10.33
5350.000	17.74	AV	V	32.70	50.44	54.00	3.56
10460.000	32.67	PK	H	14.43	47.10	68.20	21.10
10460.000	32.54	PK	V	14.43	46.97	68.20	21.23
15690.000	34.76	PK	H	18.75	53.51	74.00	20.49
15690.000	21.85	AV	H	18.75	40.60	54.00	13.40
15690.000	34.66	PK	V	18.75	53.41	74.00	20.59
15690.000	21.78	AV	V	18.75	40.53	54.00	13.47

802.11ac vht80(MIMO was the worst):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector					
Middle Channel: 5210 MHz							
5150.000	30.62	PK	H	32.83	63.45	74.00	10.55
5150.000	17.77	AV	H	32.83	50.60	54.00	3.40
5150.000	31.42	PK	V	32.83	64.25	74.00	9.75
5150.000	18.07	AV	V	32.83	50.90	54.00	3.10
5350.000	30.04	PK	H	32.70	62.74	74.00	11.26
5350.000	17.81	AV	H	32.70	50.51	54.00	3.49
5350.000	30.75	PK	V	32.70	63.45	74.00	10.55
5350.000	17.91	AV	V	32.70	50.61	54.00	3.39
10420.000	32.79	PK	H	14.49	47.28	68.20	20.92
10420.000	32.98	PK	V	14.49	47.47	68.20	20.73
15630.000	34.84	PK	H	18.71	53.55	74.00	20.45
15630.000	21.86	AV	H	18.71	40.57	54.00	13.43
15630.000	34.76	PK	V	18.71	53.47	74.00	20.53
15630.000	21.88	AV	V	18.71	40.59	54.00	13.41

802.11ax he20(MIMO was the worst):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector					
Low Channel: 5180MHz							
5150.000	35.24	PK	H	32.83	68.07	74.00	5.93
5150.000	17.41	AV	H	32.83	50.24	54.00	3.76
5150.000	35.62	PK	V	32.83	68.45	74.00	5.55
5150.000	17.79	AV	V	32.83	50.62	54.00	3.38
10360.000	32.61	PK	H	14.45	47.06	68.20	21.14
10360.000	32.45	PK	V	14.45	46.90	68.20	21.30
15540.000	34.85	PK	H	18.60	53.45	74.00	20.55
15540.000	21.47	AV	H	18.60	40.07	54.00	13.93
15540.000	34.91	PK	V	18.60	53.51	74.00	20.49
15540.000	21.82	AV	V	18.60	40.42	54.00	13.58
Middle Channel: 5200 MHz							
10400.000	32.60	PK	H	14.52	47.12	68.20	21.08
10400.000	32.70	PK	V	14.52	47.22	68.20	20.98
15600.000	34.85	PK	H	18.69	53.54	74.00	20.46
15600.000	21.79	AV	H	18.69	40.48	54.00	13.52
15600.000	34.83	PK	V	18.69	53.52	74.00	20.48
15600.000	21.94	AV	V	18.69	40.63	54.00	13.37
High Channel: 5240 MHz							
5350.000	32.15	PK	H	32.70	64.85	74.00	9.15
5350.000	17.98	AV	H	32.70	50.68	54.00	3.32
5350.000	32.51	PK	V	32.70	65.21	74.00	8.79
5350.000	18.12	AV	V	32.70	50.82	54.00	3.18
10480.000	32.90	PK	H	14.40	47.30	68.20	20.90
10480.000	32.87	PK	V	14.40	47.27	68.20	20.93
15720.000	34.93	PK	H	18.80	53.73	74.00	20.27
15720.000	21.77	AV	H	18.80	40.57	54.00	13.43
15720.000	34.95	PK	V	18.80	53.75	74.00	20.25
15720.000	21.86	AV	V	18.80	40.66	54.00	13.34

802.11ax he40(MIMO was the worst):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector					
Low Channel: 5190MHz							
5150.000	33.54	PK	H	32.83	66.37	74.00	7.63
5150.000	18.42	AV	H	32.83	51.25	54.00	2.75
5150.000	34.67	PK	V	32.83	67.50	74.00	6.50
5150.000	19.88	AV	V	32.83	52.71	54.00	1.29
10380.000	32.70	PK	H	14.49	47.19	68.20	21.01
10380.000	32.81	PK	V	14.49	47.30	68.20	20.90
15570.000	34.80	PK	H	18.65	53.45	74.00	20.55
15570.000	21.93	AV	H	18.65	40.58	54.00	13.42
15570.000	34.80	PK	V	18.65	53.45	74.00	20.55
15570.000	21.84	AV	V	18.65	40.49	54.00	13.51
High Channel: 5230 MHz							
5350.000	31.64	PK	H	32.70	64.34	74.00	9.66
5350.000	18.02	AV	H	32.70	50.72	54.00	3.28
5350.000	31.40	PK	V	32.70	64.10	74.00	9.90
5350.000	18.09	AV	V	32.70	50.79	54.00	3.21
10460.000	32.75	PK	H	14.43	47.18	68.20	21.02
10460.000	32.80	PK	V	14.43	47.23	68.20	20.97
15690.000	34.92	PK	H	18.75	53.67	74.00	20.33
15690.000	21.75	AV	H	18.75	40.50	54.00	13.50
15690.000	34.90	PK	V	18.75	53.65	74.00	20.35
15690.000	21.76	AV	V	18.75	40.51	54.00	13.49

802.11ax he80(MIMO was the worst):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector					
Middle Channel: 5210 MHz							
5150.000	30.45	PK	H	32.83	63.28	74.00	10.72
5150.000	17.69	AV	H	32.83	50.52	54.00	3.48
5150.000	31.07	PK	V	32.83	63.90	74.00	10.10
5150.000	17.87	AV	V	32.83	50.70	54.00	3.30
5350.000	30.12	PK	H	32.70	62.82	74.00	11.18
5350.000	17.89	AV	H	32.70	50.59	54.00	3.41
5350.000	30.47	PK	V	32.70	63.17	74.00	10.83
5350.000	17.88	AV	V	32.70	50.58	54.00	3.42
10420.000	32.68	PK	H	14.49	47.17	68.20	21.03
10420.000	32.71	PK	V	14.49	47.20	68.20	21.00
15630.000	34.92	PK	H	18.71	53.63	74.00	20.37
15630.000	21.77	AV	H	18.71	40.48	54.00	13.52
15630.000	34.80	PK	V	18.71	53.51	74.00	20.49
15630.000	21.91	AV	V	18.71	40.62	54.00	13.38

Note:

Result = Reading + Factor- Distance extrapolation Factor

Distance extrapolation Factor = $20 \log (\text{specific distance [3m]}/\text{test distance [1.5m]}) \text{ dB} = 6.02 \text{ dB}$

**5725-5850MHz:
802.11a, Chain 0**

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector					
Low Channel: 5745MHz							
11490.000	32.45	PK	H	15.47	47.92	74.00	26.08
11490.000	19.35	AV	H	15.47	34.82	54.00	19.18
11490.000	32.47	PK	V	15.47	47.94	74.00	26.06
11490.000	19.36	AV	V	15.47	34.83	54.00	19.17
17235.000	31.79	PK	H	22.69	54.48	68.20	13.72
17235.000	31.58	PK	V	22.69	54.27	68.20	13.93
Middle Channel: 5785 MHz							
11570.000	32.60	PK	H	15.69	48.29	74.00	25.71
11570.000	19.42	AV	H	15.69	35.11	54.00	18.89
11570.000	32.70	PK	V	15.69	48.39	74.00	25.61
11570.000	19.77	AV	V	15.69	35.46	54.00	18.54
17355.000	31.49	PK	H	23.33	54.82	68.20	13.38
17355.000	31.70	PK	V	23.33	55.03	68.20	13.17
High Channel: 5825 MHz							
11650.000	32.56	PK	H	16.02	48.58	74.00	25.42
11650.000	19.46	AV	H	16.02	35.48	54.00	18.52
11650.000	32.54	PK	V	16.02	48.56	74.00	25.44
11650.000	19.36	AV	V	16.02	35.38	54.00	18.62
17475.000	32.60	PK	H	23.87	56.47	68.20	11.73
17475.000	32.49	PK	V	23.87	56.36	68.20	11.84

802.11a, Chain 1

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector					
Low Channel: 5745MHz							
11490.000	32.64	PK	H	15.47	48.11	74.00	25.89
11490.000	19.53	AV	H	15.47	35.00	54.00	19.00
11490.000	32.41	PK	V	15.47	47.88	74.00	26.12
11490.000	19.27	AV	V	15.47	34.74	54.00	19.26
17235.000	31.86	PK	H	22.69	54.55	68.20	13.65
17235.000	31.57	PK	V	22.69	54.26	68.20	13.94
Middle Channel: 5785 MHz							
11570.000	32.69	PK	H	15.69	48.38	74.00	25.62
11570.000	19.47	AV	H	15.69	35.16	54.00	18.84
11570.000	32.73	PK	V	15.69	48.42	74.00	25.58
11570.000	19.58	AV	V	15.69	35.27	54.00	18.73
17355.000	31.89	PK	H	23.33	55.22	68.20	12.98
17355.000	31.76	PK	V	23.33	55.09	68.20	13.11
High Channel: 5825 MHz							
11650.000	32.52	PK	H	16.02	48.54	74.00	25.46
11650.000	19.41	AV	H	16.02	35.43	54.00	18.57
11650.000	32.38	PK	V	16.02	48.40	74.00	25.60
11650.000	19.16	AV	V	16.02	35.18	54.00	18.82
17475.000	32.64	PK	H	23.87	56.51	68.20	11.69
17475.000	32.47	PK	V	23.87	56.34	68.20	11.86

802.11n ht20(MIMO was the worst):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector					
Low Channel: 5745MHz							
11490.000	32.37	PK	H	15.47	47.84	74.00	26.16
11490.000	19.85	AV	H	15.47	35.32	54.00	18.68
11490.000	32.74	PK	V	15.47	48.21	74.00	25.79
11490.000	19.45	AV	V	15.47	34.92	54.00	19.08
17235.000	32.34	PK	H	22.69	55.03	68.20	13.17
17235.000	32.63	PK	V	22.69	55.32	68.20	12.88
Middle Channel: 5785 MHz							
11570.000	32.76	PK	H	15.69	48.45	74.00	25.55
11570.000	19.52	AV	H	15.69	35.21	54.00	18.79
11570.000	32.81	PK	V	15.69	48.50	74.00	25.50
11570.000	19.62	AV	V	15.69	35.31	54.00	18.69
17355.000	32.65	PK	H	23.33	55.98	68.20	12.22
17355.000	32.43	PK	V	23.33	55.76	68.20	12.44
High Channel: 5825 MHz							
11650.000	33.02	PK	H	16.02	49.04	74.00	24.96
11650.000	20.11	AV	H	16.02	36.13	54.00	17.87
11650.000	33.13	PK	V	16.02	49.15	74.00	24.85
11650.000	20.22	AV	V	16.02	36.24	54.00	17.76
17475.000	32.49	PK	H	23.87	56.36	68.20	11.84
17475.000	32.53	PK	V	23.87	56.40	68.20	11.80

802.11n ht40(MIMO was the worst):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector					
Low Channel: 5755MHz							
11510.000	33.02	PK	H	15.46	48.48	74.00	25.52
11510.000	20.97	AV	H	15.46	36.43	54.00	17.57
11510.000	32.87	PK	V	15.46	48.33	74.00	25.67
11510.000	20.79	AV	V	15.46	36.25	54.00	17.75
17265.000	32.87	PK	H	22.77	55.64	68.20	12.56
17265.000	32.76	PK	V	22.77	55.53	68.20	12.67
High Channel: 5795 MHz							
11590.000	32.98	PK	H	15.76	48.74	74.00	25.26
11590.000	20.48	AV	H	15.76	36.24	54.00	17.76
11590.000	32.77	PK	V	15.76	48.53	74.00	25.47
11590.000	20.73	AV	V	15.76	36.49	54.00	17.51
17385.000	32.54	PK	H	23.57	56.11	68.20	12.09
17385.000	32.61	PK	V	23.57	56.18	68.20	12.02

802.11ac vht20(MIMO was the worst):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector					
Low Channel: 5745MHz							
11490.000	32.64	PK	H	15.47	48.11	74.00	25.89
11490.000	19.73	AV	H	15.47	35.20	54.00	18.80
11490.000	32.48	PK	V	15.47	47.95	74.00	26.05
11490.000	19.54	AV	V	15.47	35.01	54.00	18.99
17235.000	32.67	PK	H	22.69	55.36	68.20	12.84
17235.000	32.48	PK	V	22.69	55.17	68.20	13.03
Middle Channel: 5785 MHz							
11570.000	32.64	PK	H	15.69	48.33	74.00	25.67
11570.000	19.28	AV	H	15.69	34.97	54.00	19.03
11570.000	32.57	PK	V	15.69	48.26	74.00	25.74
11570.000	19.38	AV	V	15.69	35.07	54.00	18.93
17355.000	32.46	PK	H	23.33	55.79	68.20	12.41
17355.000	32.57	PK	V	23.33	55.90	68.20	12.30
High Channel: 5825 MHz							
11650.000	32.75	PK	H	16.02	48.77	74.00	25.23
11650.000	19.83	AV	H	16.02	35.85	54.00	18.15
11650.000	32.72	PK	V	16.02	48.74	74.00	25.26
11650.000	19.88	AV	V	16.02	35.90	54.00	18.10
17475.000	33.46	PK	H	23.87	57.33	68.20	10.87
17475.000	33.53	PK	V	23.87	57.40	68.20	10.80

802.11ac vht40(MIMO was the worst):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector					
Low Channel: 5755MHz							
11510.000	33.35	PK	H	15.46	48.81	74.00	25.19
11510.000	20.47	AV	H	15.46	35.93	54.00	18.07
11510.000	33.45	PK	V	15.46	48.91	74.00	25.09
11510.000	20.29	AV	V	15.46	35.75	54.00	18.25
17265.000	33.35	PK	H	22.77	56.12	68.20	12.08
17265.000	33.46	PK	V	22.77	56.23	68.20	11.97
High Channel: 5795 MHz							
11590.000	33.42	PK	H	15.76	49.18	74.00	24.82
11590.000	20.51	AV	H	15.76	36.27	54.00	17.73
11590.000	33.69	PK	V	15.76	49.45	74.00	24.55
11590.000	20.34	AV	V	15.76	36.10	54.00	17.90
17385.000	33.43	PK	H	23.57	57.00	68.20	11.20
17385.000	33.26	PK	V	23.57	56.83	68.20	11.37

802.11ac vht80(MIMO was the worst):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector					
Middle Channel: 5775 MHz							
11550.000	34.65	PK	H	15.61	50.26	74.00	23.74
11550.000	21.47	AV	H	15.61	37.08	54.00	16.92
11550.000	34.50	PK	V	15.61	50.11	74.00	23.89
11550.000	21.29	AV	V	15.61	36.90	54.00	17.10
17325.000	32.61	PK	H	23.09	55.70	68.20	12.50
17325.000	32.45	PK	V	23.09	55.54	68.20	12.66

802.11ax he20(MIMO was the worst):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector					
Low Channel: 5745MHz							
11490.000	33.03	PK	H	15.47	48.50	74.00	25.50
11490.000	19.86	AV	H	15.47	35.33	54.00	18.67
11490.000	32.97	PK	V	15.47	48.44	74.00	25.56
11490.000	19.76	AV	V	15.47	35.23	54.00	18.77
17235.000	32.19	PK	H	22.69	54.88	68.20	13.32
17235.000	32.34	PK	V	22.69	55.03	68.20	13.17
Middle Channel: 5785 MHz							
11570.000	33.12	PK	H	15.69	48.81	74.00	25.19
11570.000	20.07	AV	H	15.69	35.76	54.00	18.24
11570.000	33.07	PK	V	15.69	48.76	74.00	25.24
11570.000	20.11	AV	V	15.69	35.80	54.00	18.20
17355.000	32.49	PK	H	23.33	55.82	68.20	12.38
17355.000	32.38	PK	V	23.33	55.71	68.20	12.49
High Channel: 5825 MHz							
11650.000	33.09	PK	H	16.02	49.11	74.00	24.89
11650.000	19.97	AV	H	16.02	35.99	54.00	18.01
11650.000	33.01	PK	V	16.02	49.03	74.00	24.97
11650.000	19.86	AV	V	16.02	35.88	54.00	18.12
17475.000	32.33	PK	H	23.87	56.20	68.20	12.00
17475.000	32.41	PK	V	23.87	56.28	68.20	11.92

802.11ax he40(MIMO was the worst):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector					
Low Channel: 5755MHz							
11510.000	34.29	PK	H	15.46	49.75	74.00	24.25
11510.000	21.57	AV	H	15.46	37.03	54.00	16.97
11510.000	34.53	PK	V	15.46	49.99	74.00	24.01
11510.000	21.25	AV	V	15.46	36.71	54.00	17.29
17265.000	32.60	PK	H	22.77	55.37	68.20	12.83
17265.000	32.44	PK	V	22.77	55.21	68.20	12.99
High Channel: 5795 MHz							
11590.000	34.19	PK	H	15.76	49.95	74.00	24.05
11590.000	21.55	AV	H	15.76	37.31	54.00	16.69
11590.000	34.48	PK	V	15.76	50.24	74.00	23.76
11590.000	21.54	AV	V	15.76	37.30	54.00	16.70
17385.000	32.37	PK	H	23.57	55.94	68.20	12.26
17385.000	32.44	PK	V	23.57	56.01	68.20	12.19

802.11ax he80(MIMO was the worst):

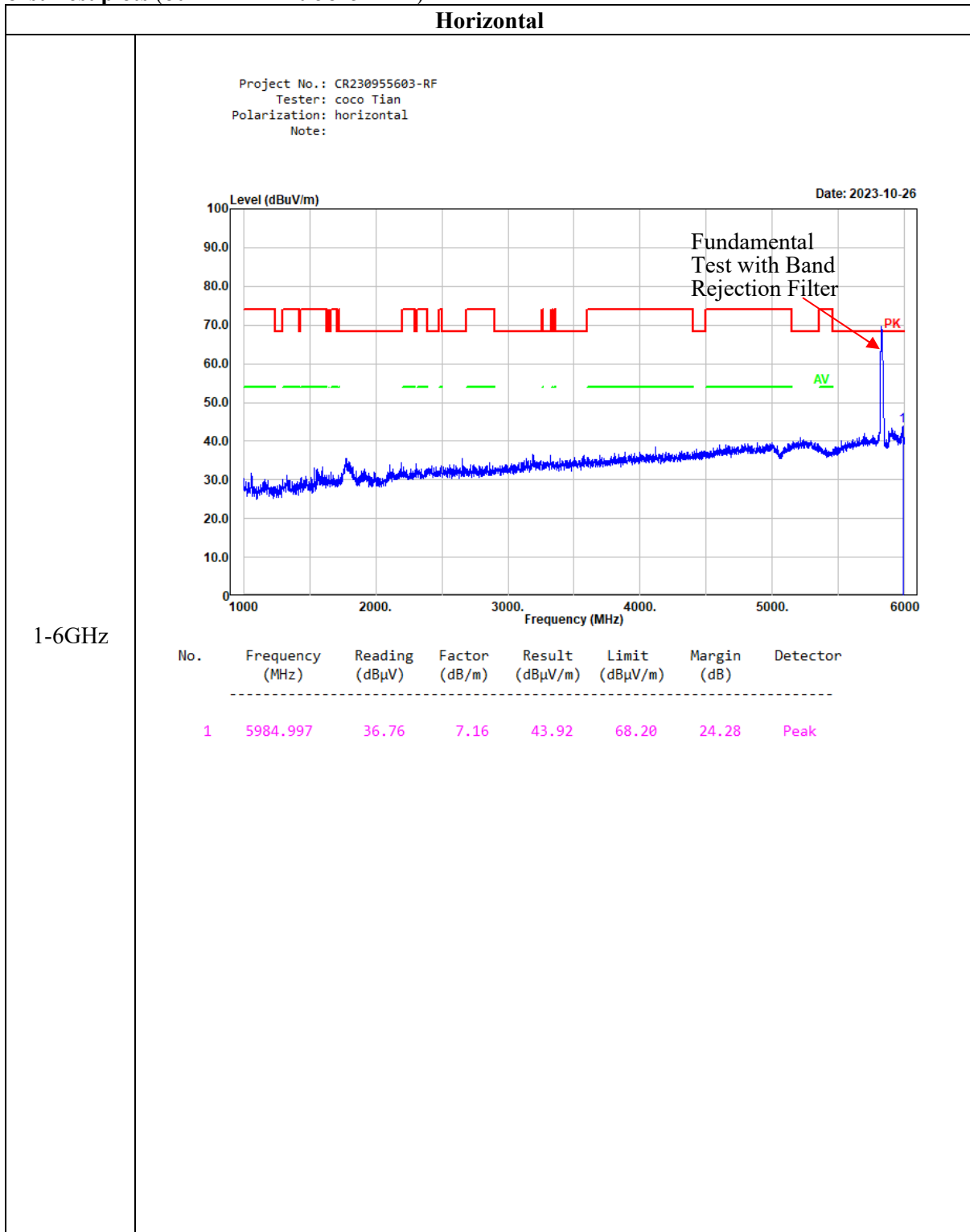
Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector					
Middle Channel: 5775 MHz							
11550.000	34.25	PK	H	15.61	49.86	74.00	24.14
11550.000	21.54	AV	H	15.61	37.15	54.00	16.85
11550.000	34.69	PK	V	15.61	50.30	74.00	23.70
11550.000	21.45	AV	V	15.61	37.06	54.00	16.94
17325.000	32.34	PK	H	23.09	55.43	68.20	12.77
17325.000	32.39	PK	V	23.09	55.48	68.20	12.72

Note:

Result = Reading + Factor- Distance extrapolation Factor

Distance extrapolation Factor = 20 log (specific distance [3m]/test distance [1.5m]) dB= 6.02 dB

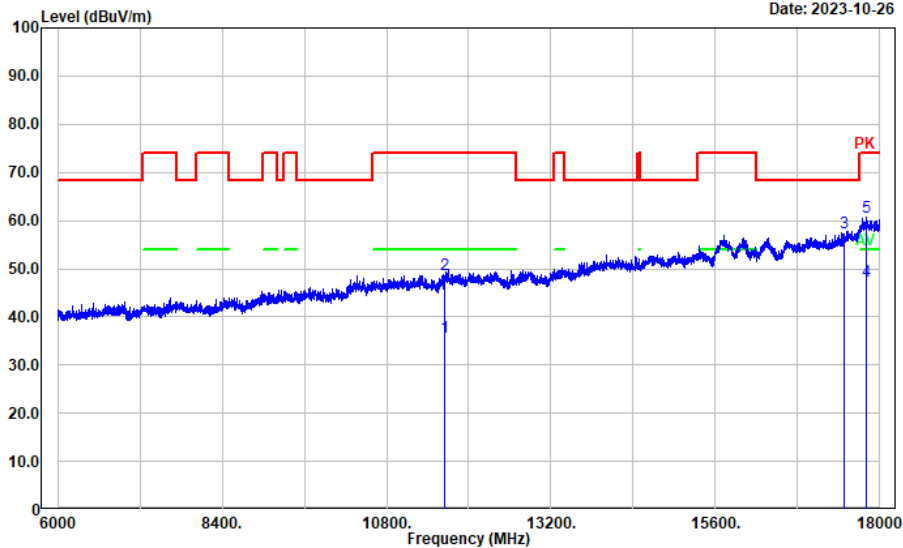
Worst Test plots (802.11ac vht20 5825 MHz)



Horizontal

Project No.: CR230955603-RF
 Tester: coco Tian
 Polarization: horizontal
 Note:

Date: 2023-10-26



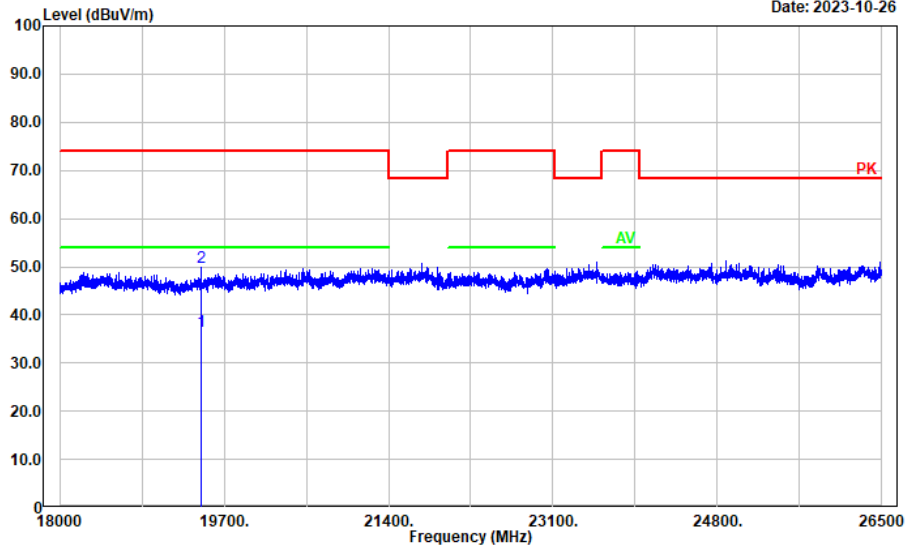
6-18GHz

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	11650.000	19.83	16.02	35.85	54.00	18.15	Average
2	11650.000	32.75	16.02	48.77	74.00	25.23	Peak
3	17475.000	33.46	23.87	57.33	68.20	10.87	Peak
4	17810.360	21.88	25.66	47.54	54.00	6.46	Average
5	17810.360	35.04	25.66	60.70	74.00	13.30	Peak

Horizontal

Project No.: CR230955603-RF
 Tester: coco Tian
 Polarization: Horizontal
 Note:

Date: 2023-10-26



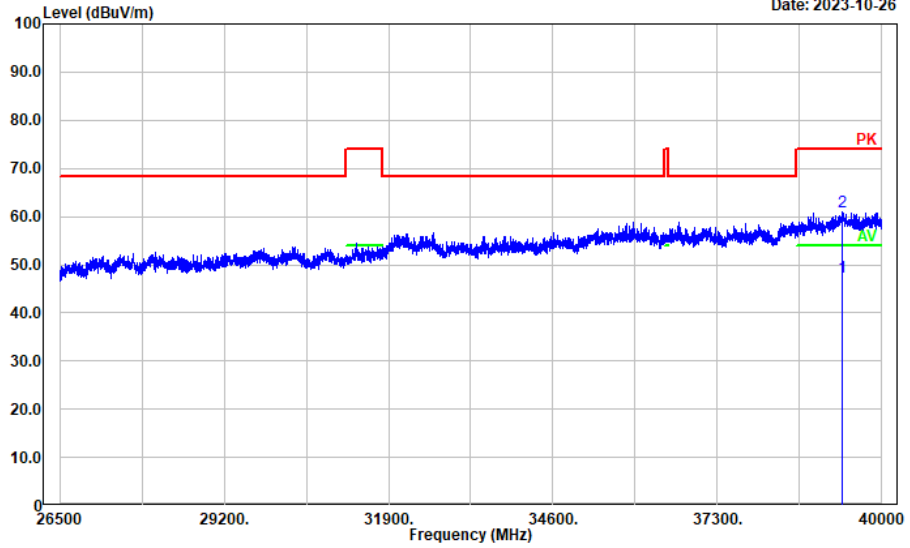
18-26.5GHz

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	19458.890	37.68	-1.23	36.45	54.00	17.55	Average
2	19458.890	51.06	-1.23	49.83	74.00	24.17	Peak

Horizontal

Project No.: CR230955603-RF
 Tester: coco Tian
 Polarization: Horizontal
 Note:

Date: 2023-10-26



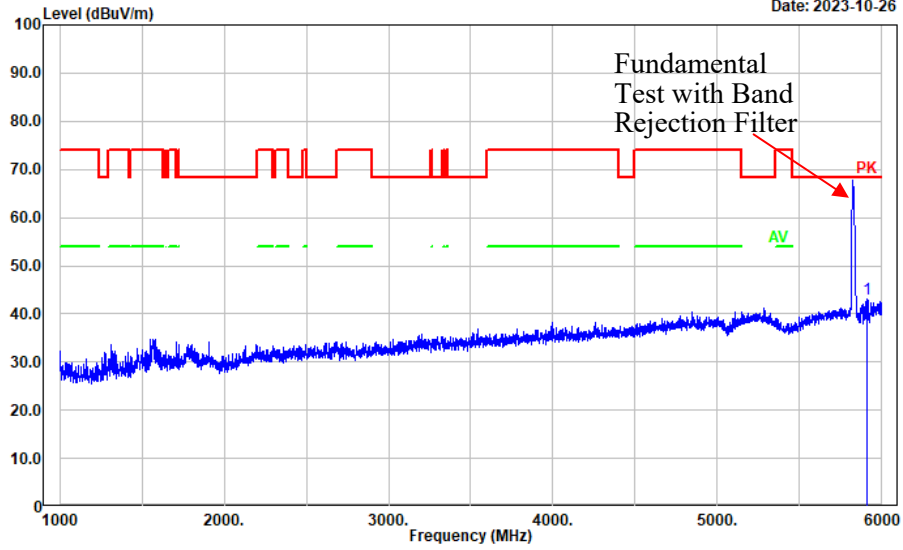
26.5-40GHz

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	39357.270	37.36	10.18	47.54	54.00	6.46	Average
2	39357.270	50.73	10.18	60.91	74.00	13.09	Peak

Vertical

Project No.: CR230955603-RF
 Tester: coco Tian
 Polarization: vertical
 Note:

Date: 2023-10-26



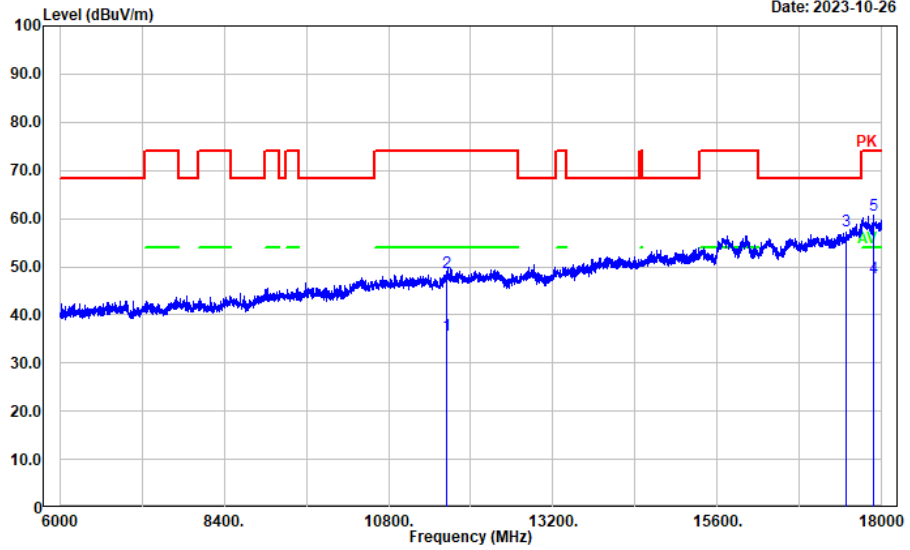
1-6GHz

No.	Frequency (MHz)	Reading (dB μ V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector
1	5912.982	35.97	7.01	42.98	68.20	25.22	Peak

Vertical

Project No.: CR230955603-RF
 Tester: coco Tian
 Polarization: vertical
 Note:

Date: 2023-10-26



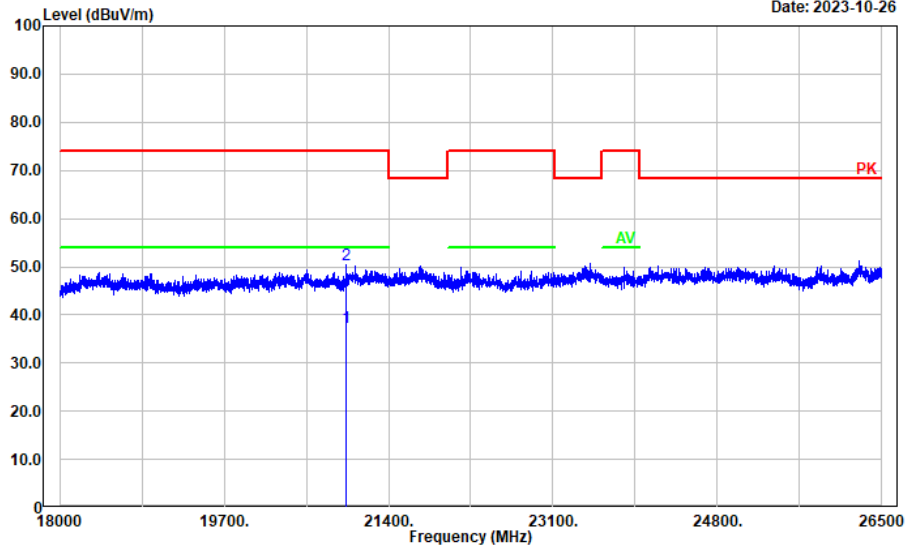
6-18GHz

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	11650.000	19.88	16.02	35.90	54.00	18.10	Average
2	11650.000	32.72	16.02	48.74	74.00	25.26	Peak
3	17475.000	33.53	23.87	57.40	68.20	10.80	Peak
4	17870.380	21.64	26.00	47.64	54.00	6.36	Average
5	17870.380	34.62	26.00	60.62	74.00	13.38	Peak

Vertical

Project No.: CR230955603-RF
 Tester: coco Tian
 Polarization: vertical
 Note:

Date: 2023-10-26



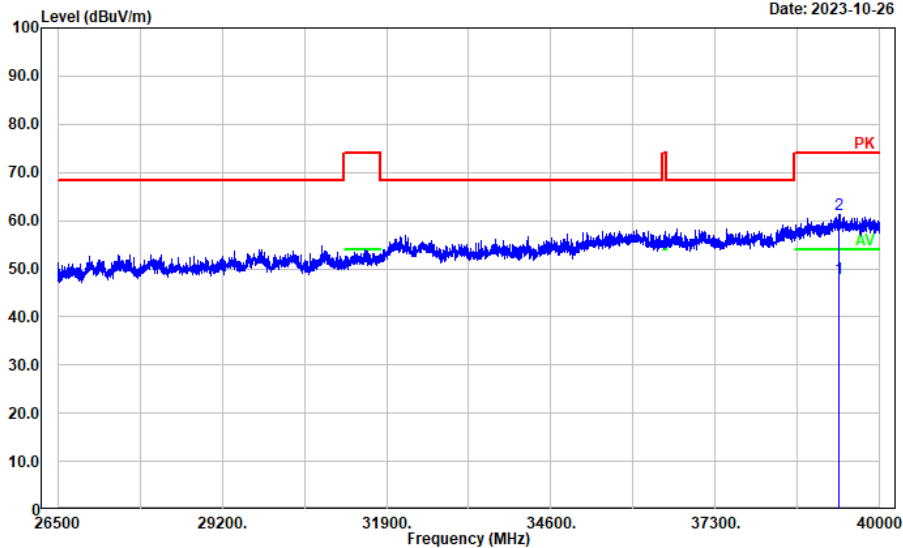
18-26.5GHz

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	20963.690	38.91	-1.46	37.45	54.00	16.55	Average
2	20963.690	51.79	-1.46	50.33	74.00	23.67	Peak

Vertical

Project No.: CR230955603-RF
 Tester: coco Tian
 Polarization: vertical
 Note:

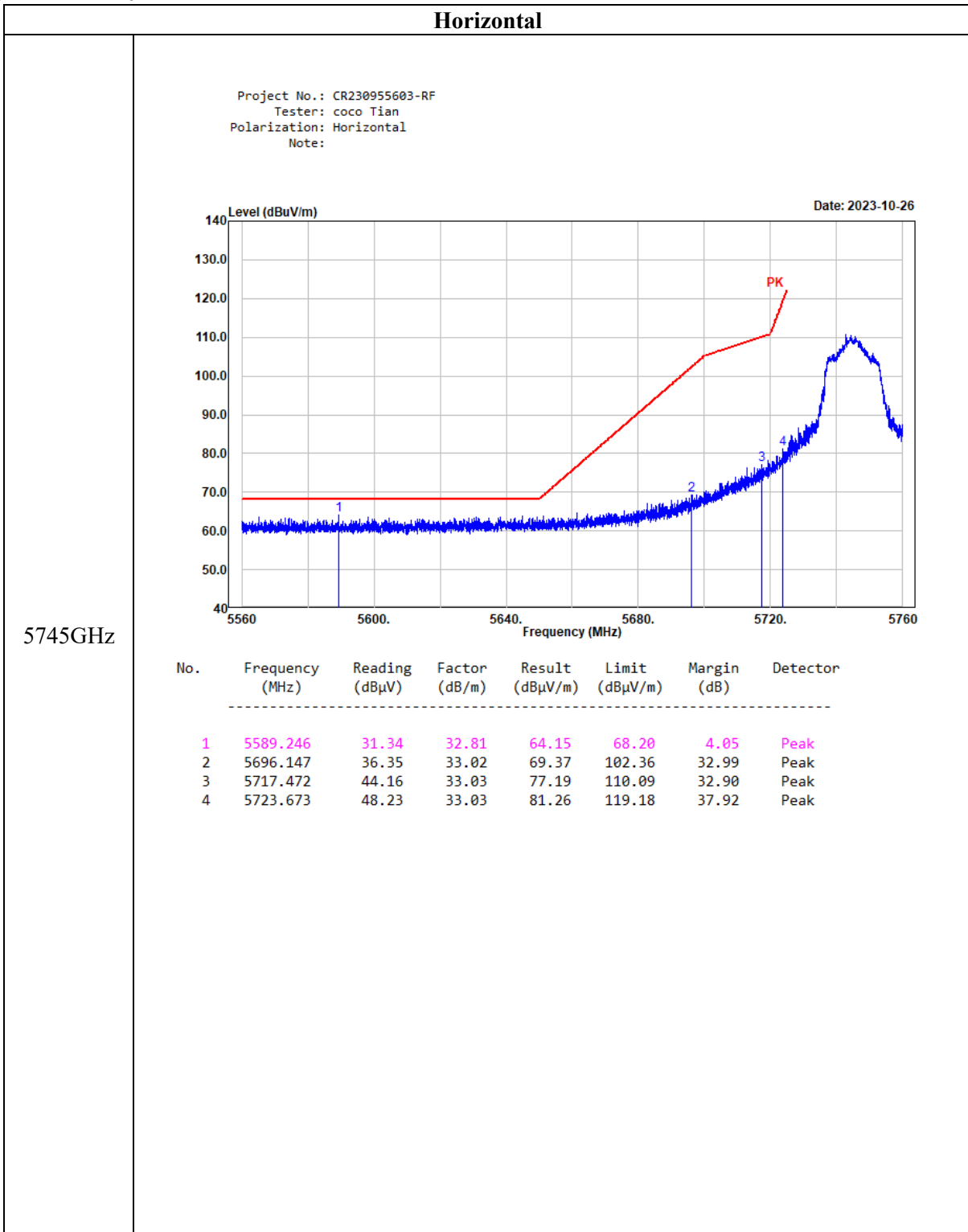
Date: 2023-10-26



26.5-40GHz

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	39335.670	37.68	10.18	47.86	54.00	6.14	Average
2	39335.670	51.09	10.18	61.27	74.00	12.73	Peak

Band edge plots for 5.8GHz:
802.11a:Chain 0

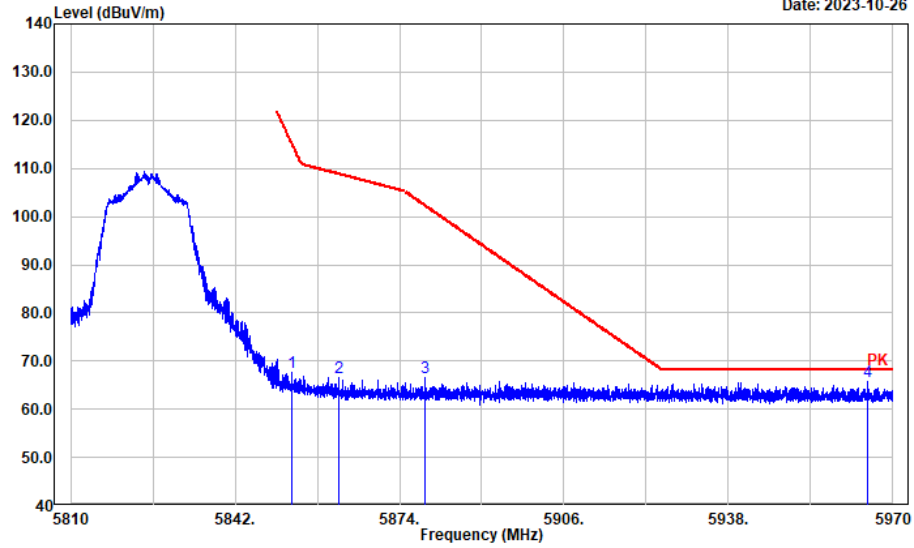


5745GHz

Horizontal

Project No.: CR230955603-RF
 Tester: coco Tian
 Polarization: Horizontal
 Note:

Date: 2023-10-26



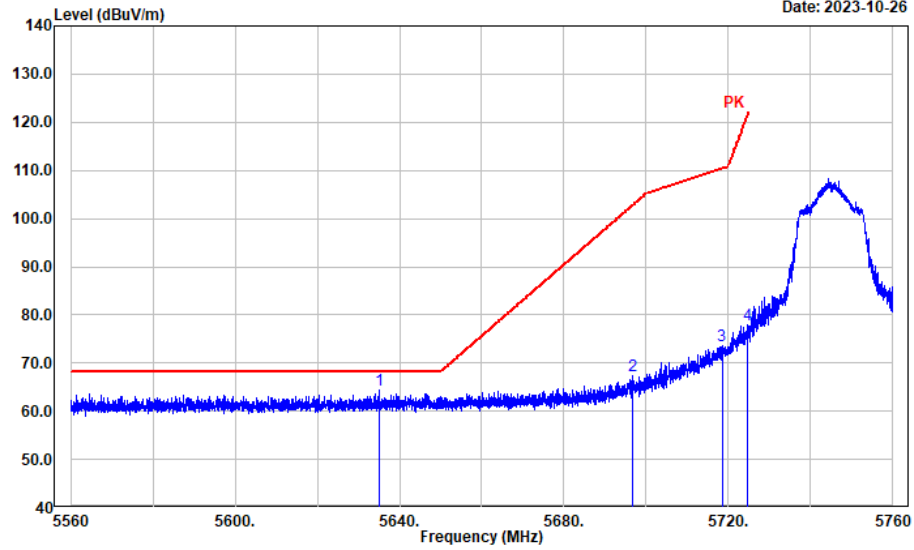
5825GHz

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	5853.113	34.45	33.20	67.65	115.10	47.45	Peak
2	5862.138	33.40	33.26	66.66	108.80	42.14	Peak
3	5878.878	33.29	33.36	66.65	102.32	35.67	Peak
4	5965.103	32.17	33.51	65.68	68.20	2.52	Peak

Vertical

Project No.: CR230955603-RF
 Tester: coco Tian
 Polarization: vertical
 Note:

Date: 2023-10-26



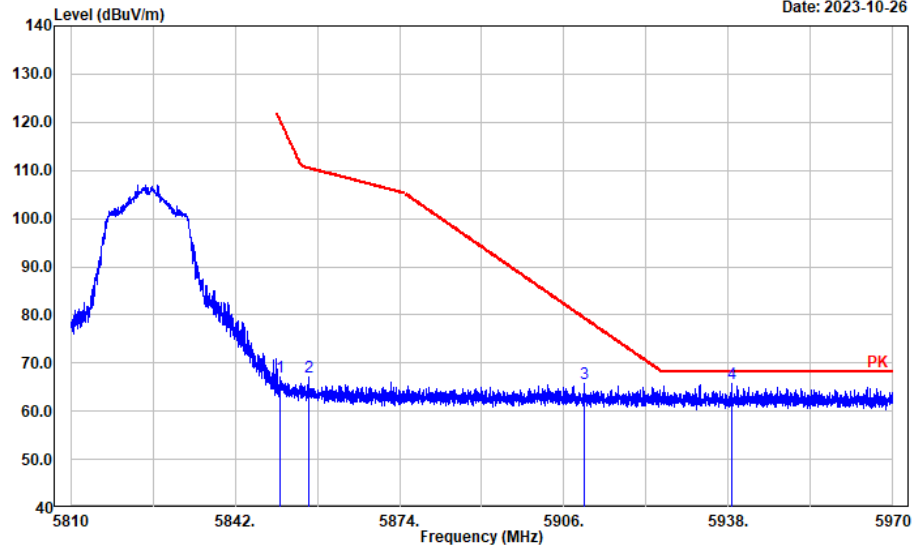
5745GHz

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	5634.975	31.50	32.91	64.41	68.20	3.79	Peak
2	5696.708	34.44	33.02	67.46	102.77	35.31	Peak
3	5718.432	40.52	33.03	73.55	110.36	36.81	Peak
4	5724.673	44.90	33.03	77.93	121.45	43.52	Peak

Vertical

Project No.: CR230955603-RF
 Tester: coco Tian
 Polarization: Vertical
 Note:

Date: 2023-10-26



5825GHz

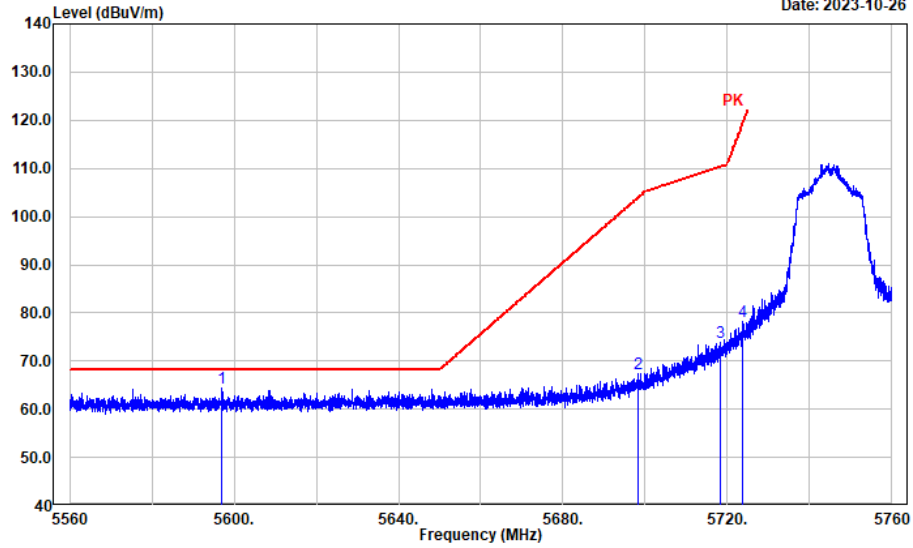
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	5850.680	33.83	33.19	67.02	120.65	53.63	Peak
2	5856.409	33.87	33.23	67.10	110.40	43.30	Peak
3	5909.860	32.28	33.47	65.75	79.37	13.62	Peak
4	5938.602	32.17	33.46	65.63	68.20	2.57	Peak

802.11a:Chain 1

Horizontal

Project No.: CR230955603-RF
 Tester: coco Tian
 Polarization: Horizontal
 Note:

Date: 2023-10-26



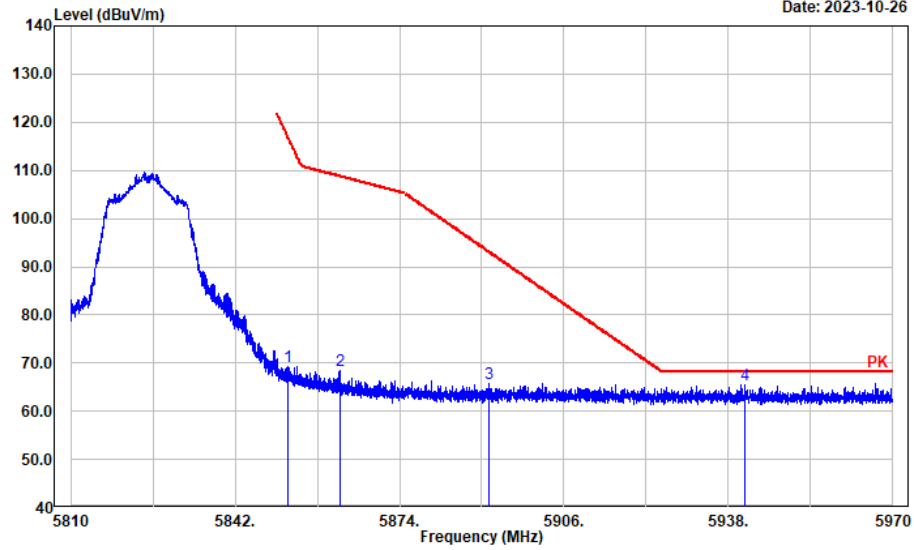
5745GHz

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	5596.887	31.61	32.81	64.42	68.20	3.78	Peak
2	5698.388	34.46	33.03	67.49	104.01	36.52	Peak
3	5718.352	40.79	33.03	73.82	110.34	36.52	Peak
4	5723.553	45.16	33.03	78.19	118.90	40.71	Peak

Horizontal

Project No.: CR230955603-RF
 Tester: coco Tian
 Polarization: Horizontal
 Note:

Date: 2023-10-26



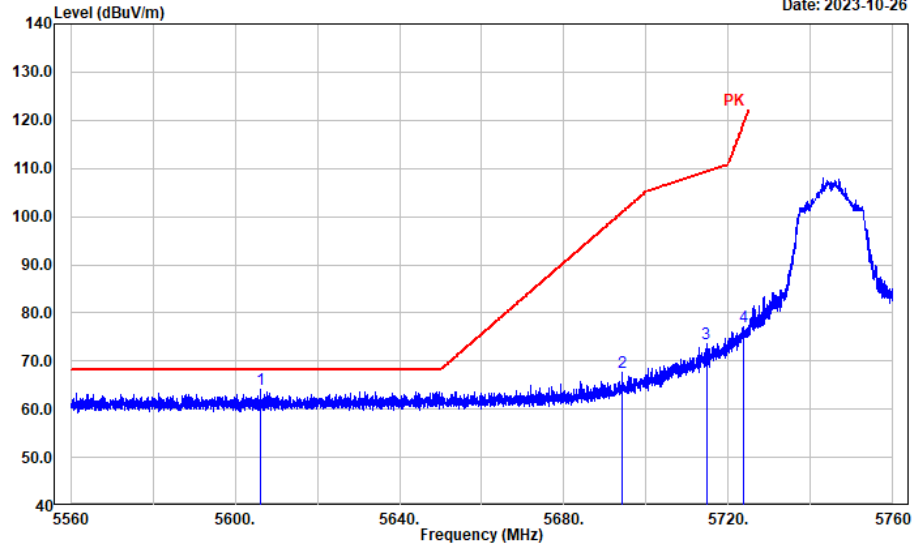
5825GHz

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	5852.376	36.02	33.20	69.22	116.78	47.56	Peak
2	5862.331	35.09	33.26	68.35	108.75	40.40	Peak
3	5891.360	32.41	33.43	65.84	93.06	27.22	Peak
4	5941.194	32.08	33.47	65.55	68.20	2.65	Peak

Vertical

Project No.: CR230955603-RF
 Tester: coco Tian
 Polarization: Vertical
 Note:

Date: 2023-10-26



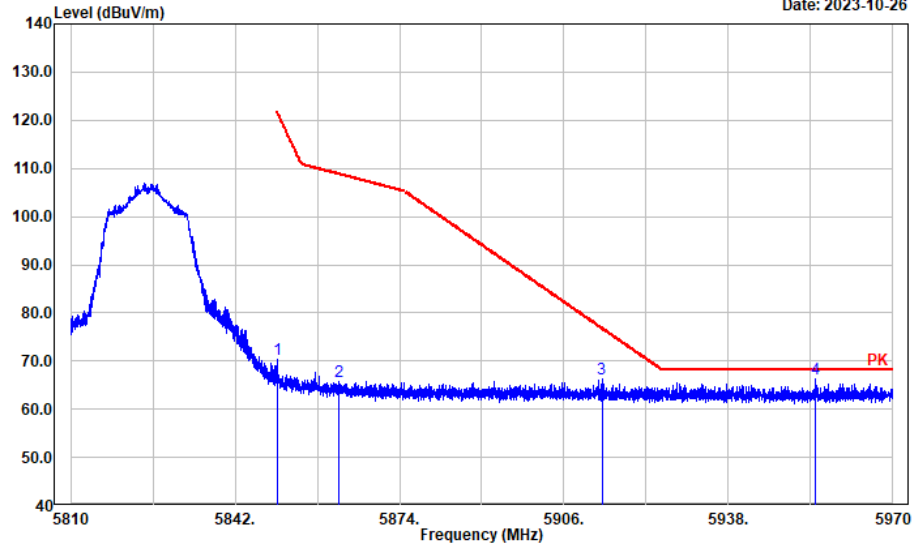
5745GHz

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	5606.089	31.16	32.83	63.99	68.20	4.21	Peak
2	5694.227	34.49	33.02	67.51	100.94	33.43	Peak
3	5714.631	40.68	33.03	73.71	109.30	35.59	Peak
4	5723.673	44.10	33.03	77.13	119.18	42.05	Peak

Vertical

Project No.: CR230955603-RF
 Tester: coco Tian
 Polarization: Vertical
 Note:

Date: 2023-10-26



5825GHz

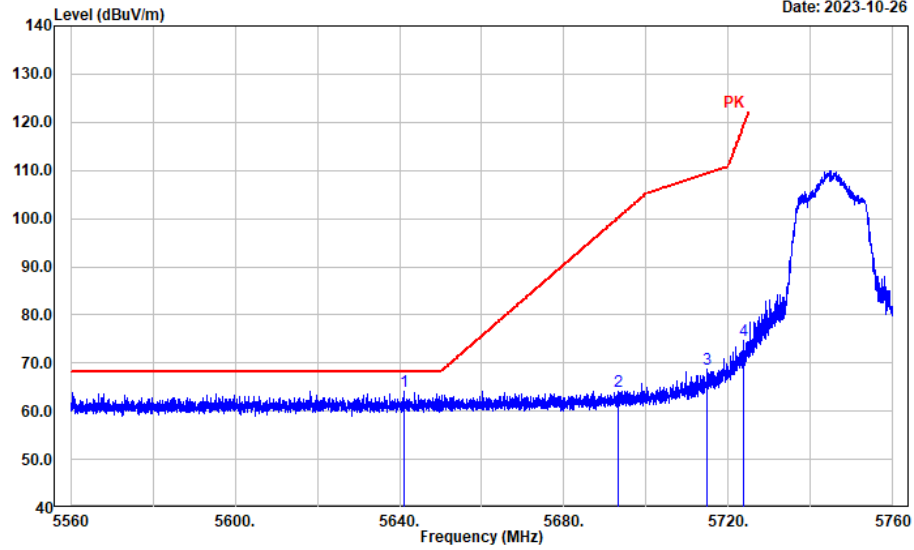
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	5850.264	37.11	33.19	70.30	121.60	51.30	Peak
2	5862.074	32.58	33.26	65.84	108.82	42.98	Peak
3	5913.381	32.71	33.47	66.18	76.77	10.59	Peak
4	5954.893	32.82	33.48	66.30	68.20	1.90	Peak

802.11n20:

Horizontal

Project No.: CR230955603-RF
 Tester: coco Tian
 Polarization: Horizontal
 Note:

Date: 2023-10-26



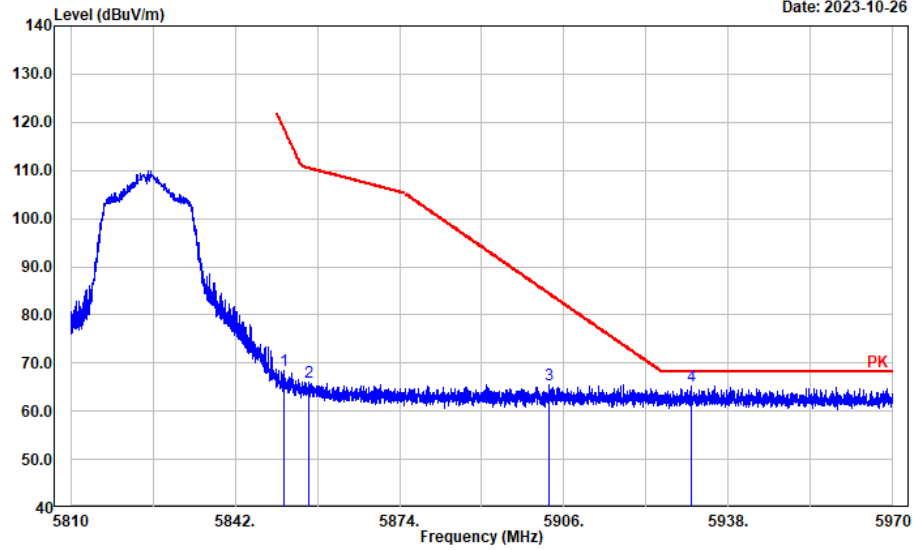
5745GHz

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	5641.016	31.11	32.93	64.04	68.20	4.16	Peak
2	5693.187	31.20	33.02	64.22	100.18	35.96	Peak
3	5714.831	35.77	33.03	68.80	109.35	40.55	Peak
4	5723.633	41.60	33.03	74.63	119.08	44.45	Peak

Horizontal

Project No.: CR230955603-RF
 Tester: coco Tian
 Polarization: Horizontal
 Note:

Date: 2023-10-26



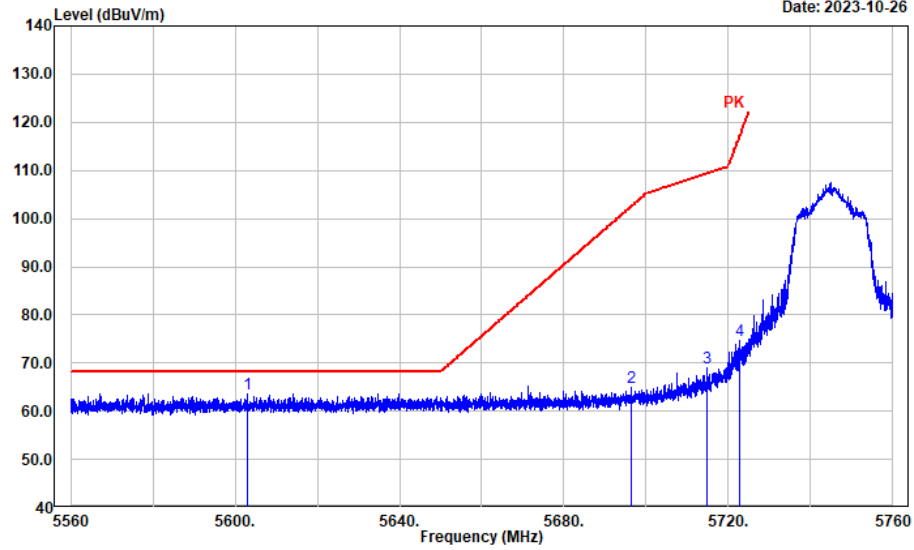
5825GHz

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	5851.576	35.35	33.20	68.55	118.61	50.06	Peak
2	5856.441	32.89	33.23	66.12	110.40	44.28	Peak
3	5903.139	32.10	33.47	65.57	84.34	18.77	Peak
4	5930.664	31.71	33.46	65.17	68.20	3.03	Peak

Vertical

Project No.: CR230955603-RF
 Tester: coco Tian
 Polarization: Vertical
 Note:

Date: 2023-10-26



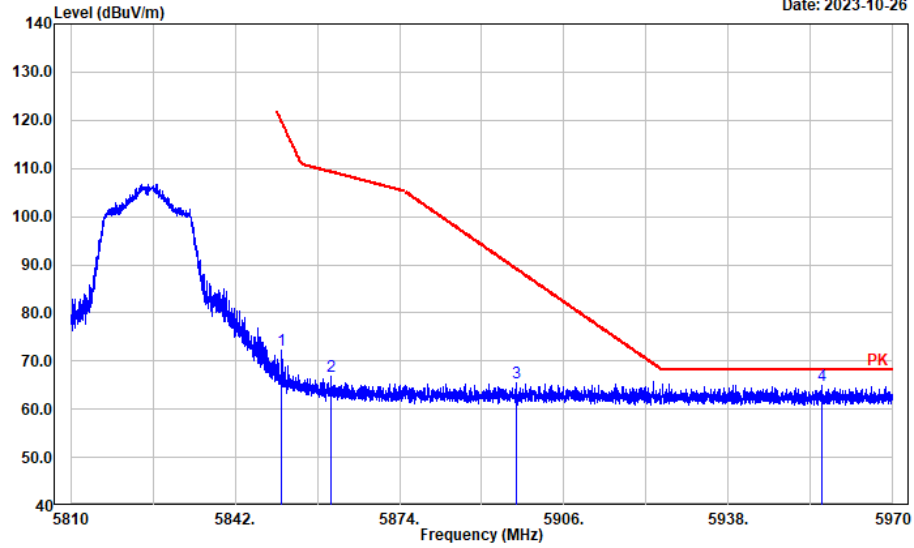
5745GHz

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	5602.969	30.87	32.81	63.68	68.20	4.52	Peak
2	5696.427	31.99	33.02	65.01	102.57	37.56	Peak
3	5714.871	35.85	33.03	68.88	109.37	40.49	Peak
4	5722.833	41.75	33.03	74.78	117.26	42.48	Peak

Vertical

Project No.: CR230955603-RF
 Tester: coco Tian
 Polarization: Vertical
 Note:

Date: 2023-10-26



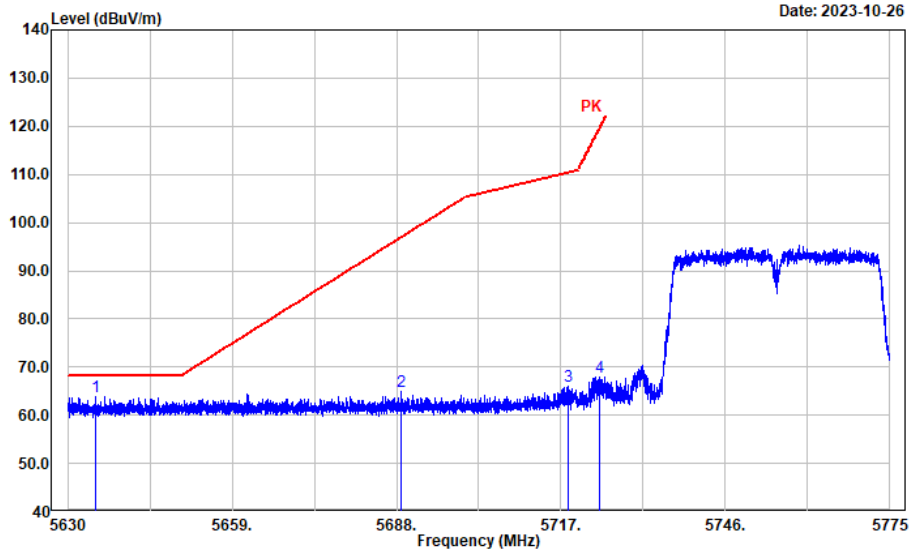
5825GHz

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	5851.032	39.18	33.19	72.37	119.85	47.48	Peak
2	5860.698	33.69	33.25	66.94	109.20	42.26	Peak
3	5896.801	31.98	33.45	65.43	89.03	23.60	Peak
4	5956.077	31.45	33.48	64.93	68.20	3.27	Peak

802.11n40:

Horizontal

Project No.: CR230955603-RF
 Tester: coco Tian
 Polarization: Horizontal
 Note:



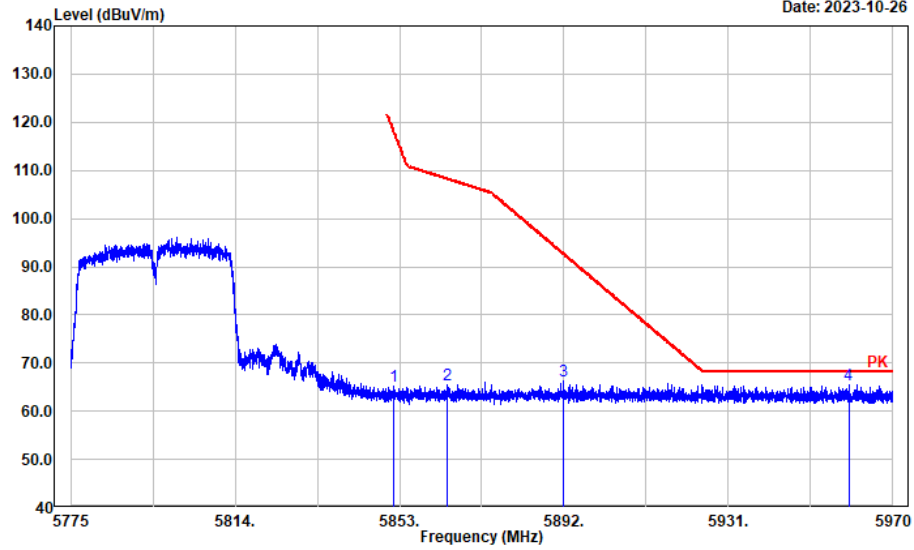
5755GHz

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	5634.960	30.96	32.91	63.87	68.20	4.33	Peak
2	5688.853	31.85	33.01	64.86	96.98	32.12	Peak
3	5718.352	33.04	33.03	66.07	110.34	44.27	Peak
4	5723.863	34.92	33.03	67.95	119.61	51.66	Peak

Horizontal

Project No.: CR230955603-RF
 Tester: coco Tian
 Polarization: Horizontal
 Note:

Date: 2023-10-26



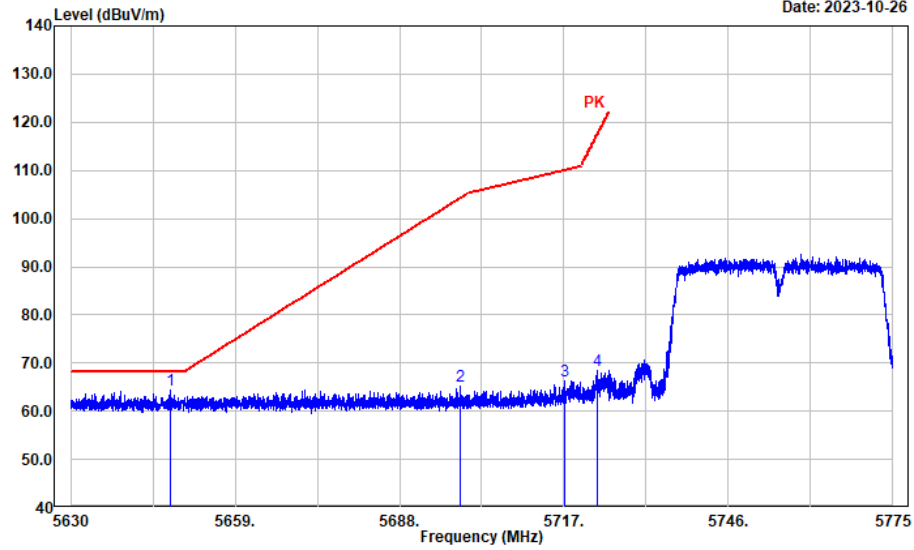
5795GHz

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	5851.572	31.91	33.20	65.11	118.61	53.50	Peak
2	5864.289	32.33	33.27	65.60	108.20	42.60	Peak
3	5891.984	32.84	33.43	66.27	92.60	26.33	Peak
4	5959.507	32.06	33.50	65.56	68.20	2.64	Peak

Vertical

Project No.: CR230955603-RF
 Tester: coco Tian
 Polarization: Vertical
 Note:

Date: 2023-10-26



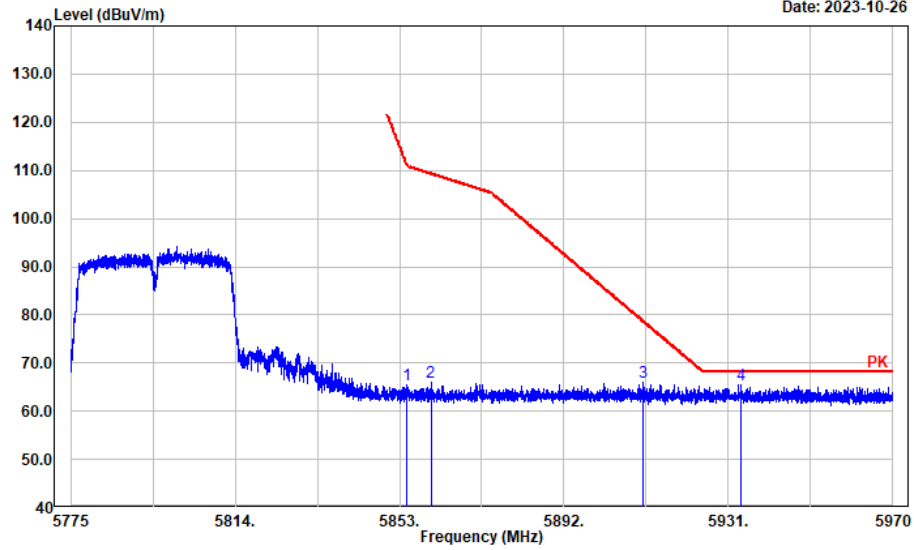
5755GHz

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	5647.693	31.41	32.95	64.36	68.20	3.84	Peak
2	5698.802	32.11	33.03	65.14	104.32	39.18	Peak
3	5717.133	33.22	33.03	66.25	110.00	43.75	Peak
4	5722.848	35.31	33.03	68.34	117.29	48.95	Peak

Vertical

Project No.: CR230955603-RF
 Tester: coco Tian
 Polarization: Vertical
 Note:

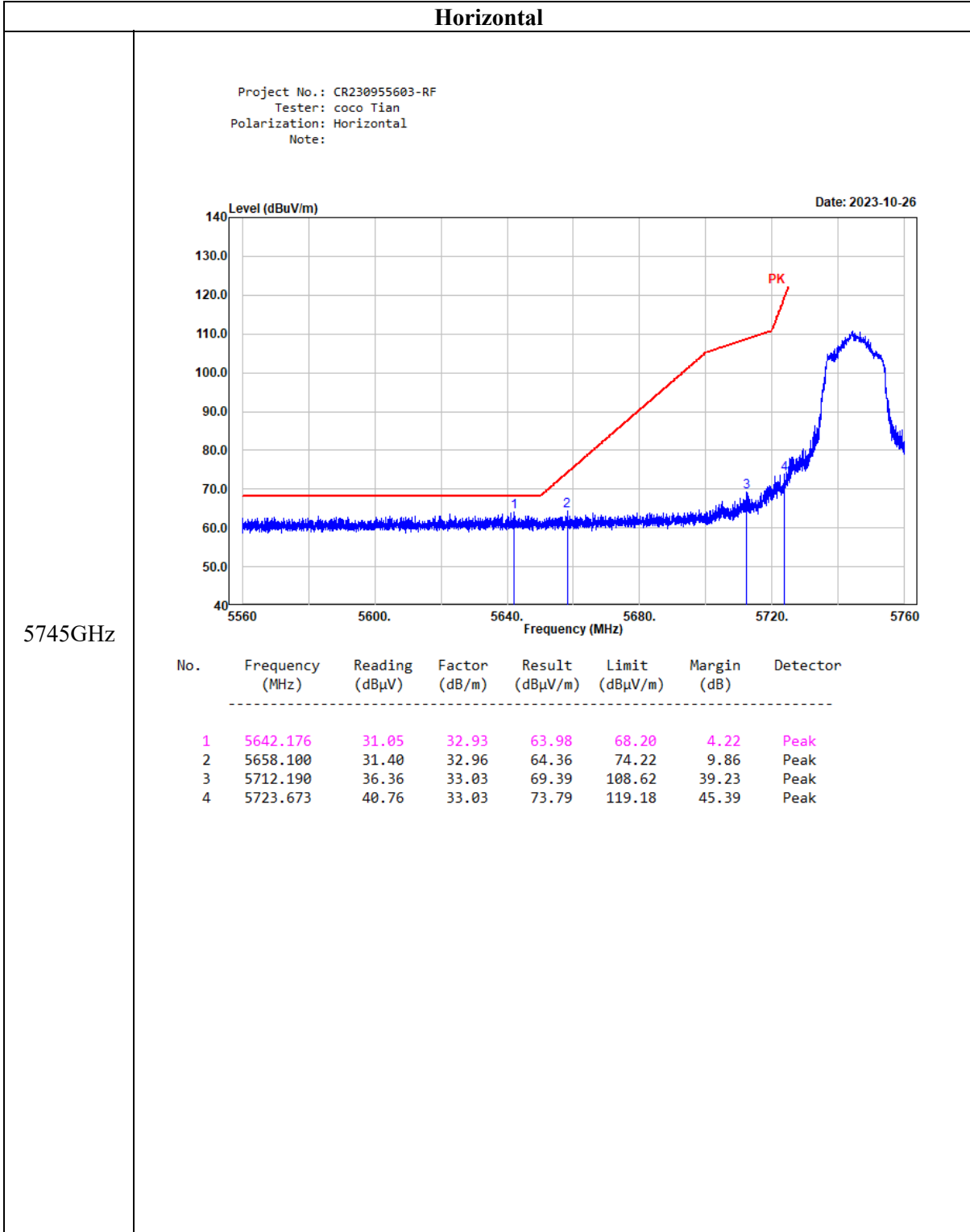
Date: 2023-10-26



5795GHz

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	5854.654	32.12	33.22	65.34	111.59	46.25	Peak
2	5860.427	32.66	33.25	65.91	109.28	43.37	Peak
3	5910.864	32.66	33.47	66.13	78.63	12.50	Peak
4	5933.957	32.08	33.46	65.54	68.20	2.66	Peak

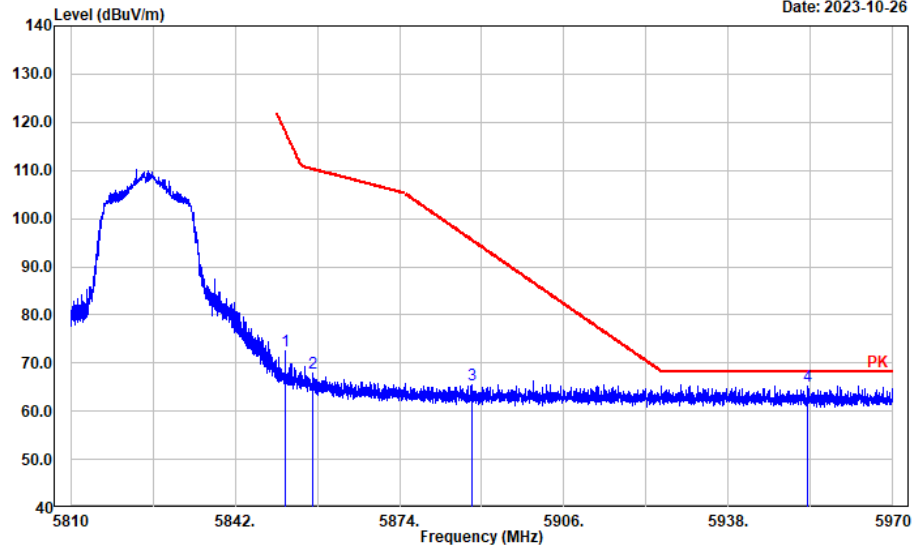
802.11ac vht20:



Horizontal

Project No.: CR230955603-RF
 Tester: coco Tian
 Polarization: Horizontal
 Note:

Date: 2023-10-26



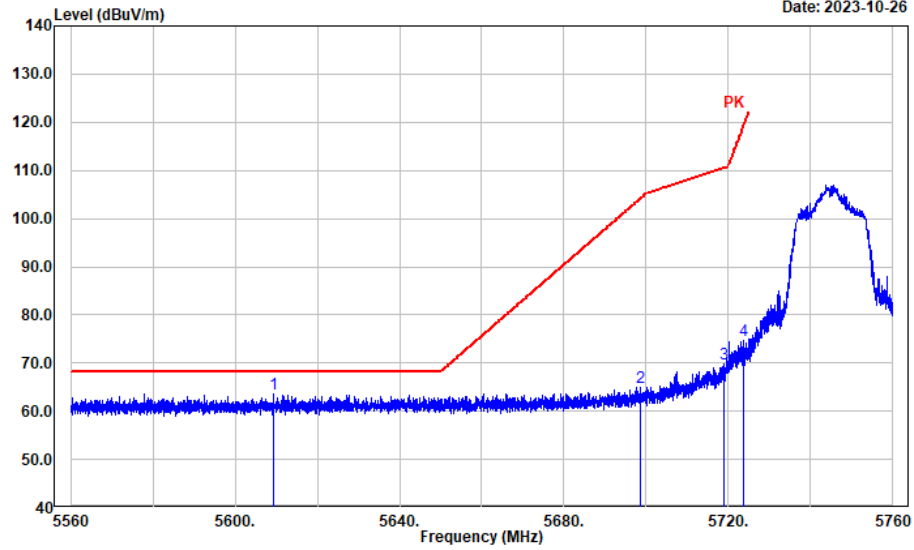
5825GHz

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	5851.736	39.34	33.20	72.54	118.24	45.70	Peak
2	5857.146	34.67	33.23	67.90	110.20	42.30	Peak
3	5888.191	32.07	33.40	65.47	95.41	29.94	Peak
4	5953.356	31.75	33.48	65.23	68.20	2.97	Peak

Vertical

Project No.: CR230955603-RF
 Tester: coco Tian
 Polarization: Vertical
 Note:

Date: 2023-10-26



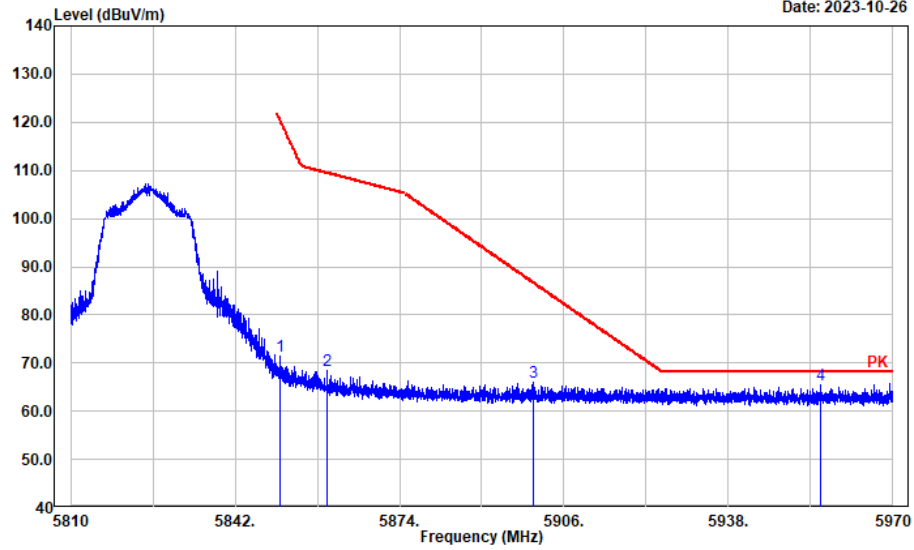
5745GHz

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	5609.290	30.61	32.83	63.44	68.20	4.76	Peak
2	5698.588	31.99	33.03	65.02	104.16	39.14	Peak
3	5718.832	36.82	33.03	69.85	110.47	40.62	Peak
4	5723.673	41.53	33.03	74.56	119.18	44.62	Peak

Vertical

Project No.: CR230955603-RF
 Tester: coco Tian
 Polarization: Vertical
 Note:

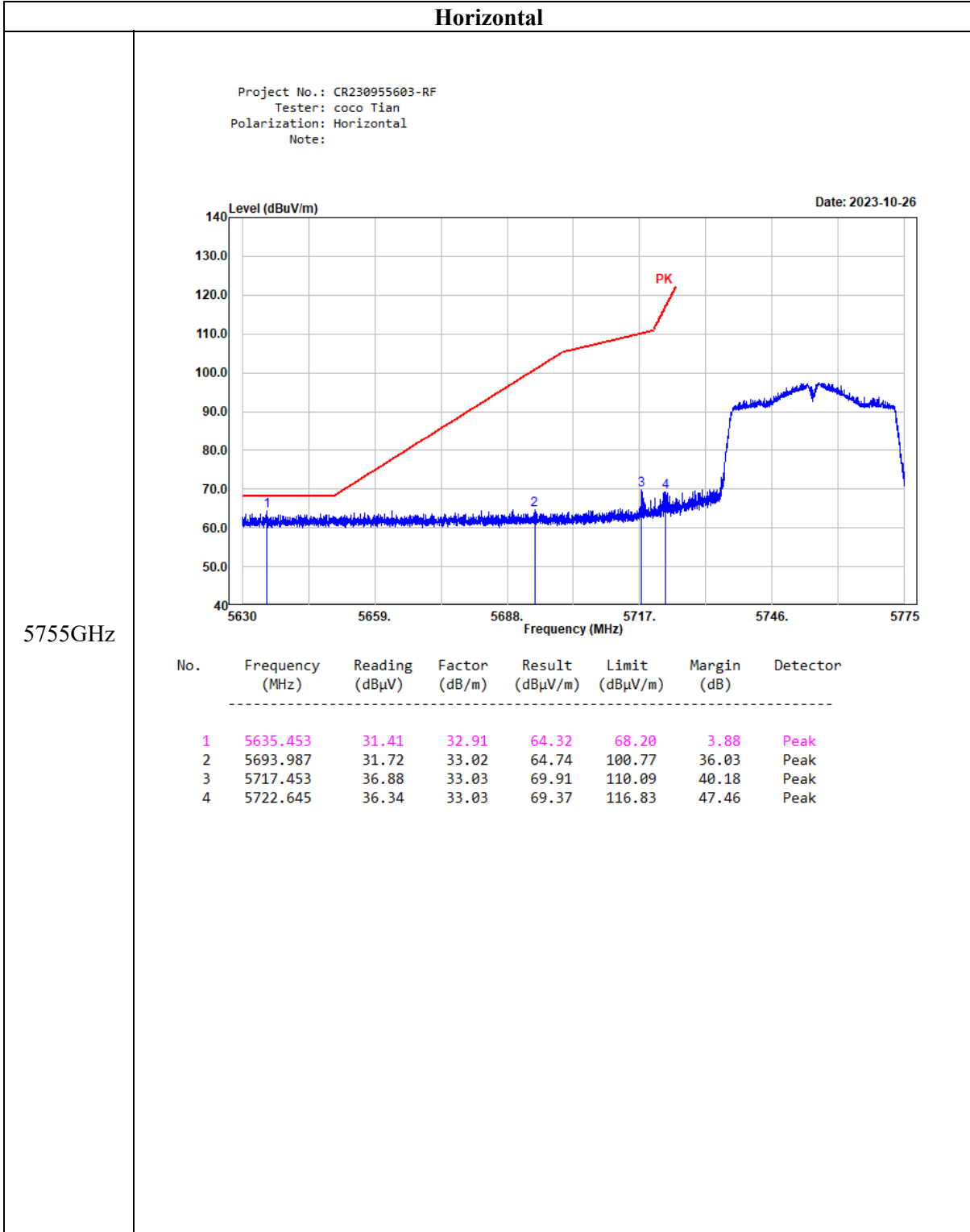
Date: 2023-10-26



5825GHz

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	5850.808	38.38	33.19	71.57	120.36	48.79	Peak
2	5859.962	35.20	33.25	68.45	109.41	40.96	Peak
3	5899.970	32.46	33.47	65.93	86.68	20.75	Peak
4	5955.885	32.06	33.48	65.54	68.20	2.66	Peak

802.11ac vht40:

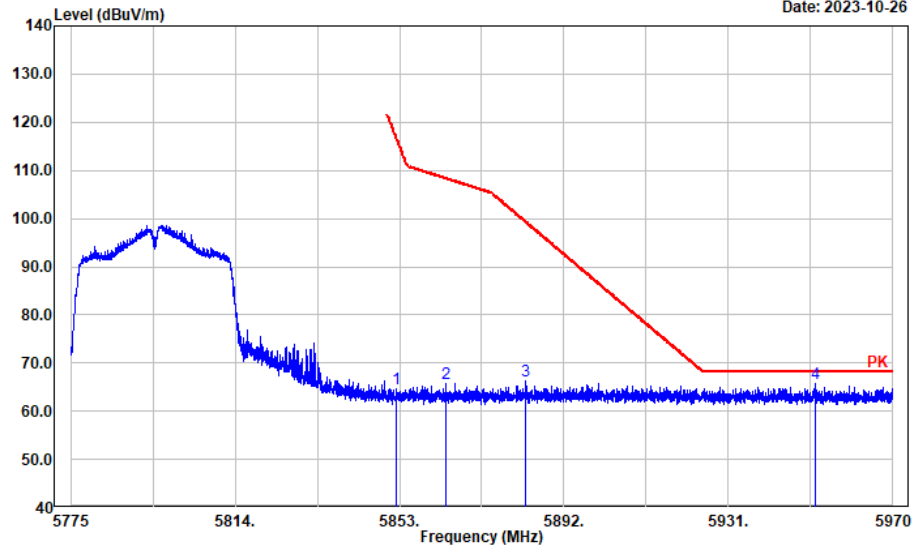


5755GHz

Horizontal

Project No.: CR230955603-RF
 Tester: coco Tian
 Polarization: Horizontal
 Note:

Date: 2023-10-26



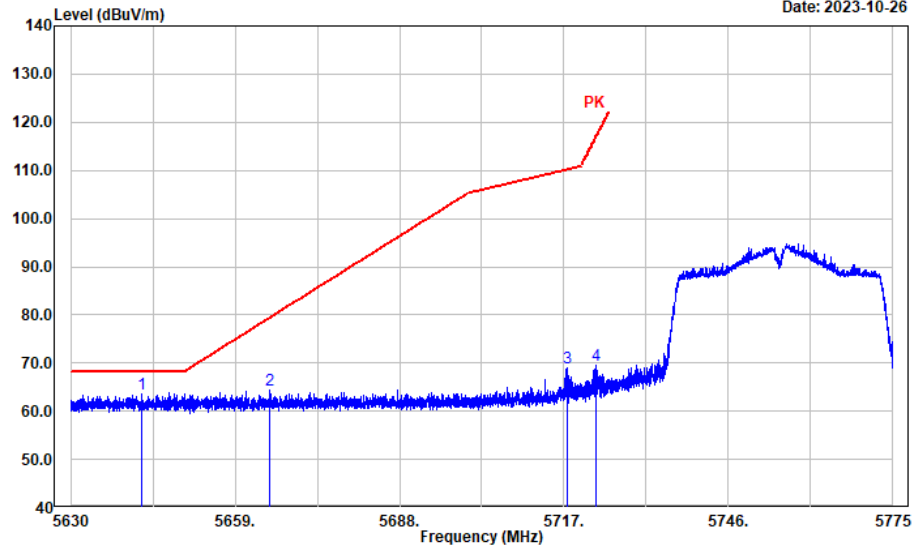
5795GHz

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	5852.353	31.39	33.20	64.59	116.83	52.24	Peak
2	5864.016	32.55	33.27	65.82	108.27	42.45	Peak
3	5883.013	32.88	33.37	66.25	99.25	33.00	Peak
4	5951.549	32.25	33.46	65.71	68.20	2.49	Peak

Vertical

Project No.: CR230955603-RF
 Tester: coco Tian
 Polarization: Vertical
 Note:

Date: 2023-10-26



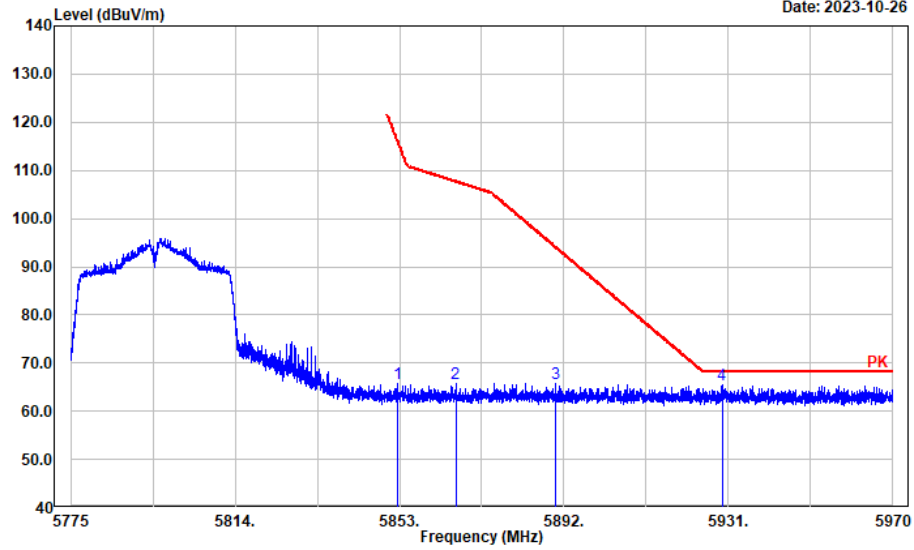
5755GHz

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	5642.588	30.71	32.93	63.64	68.20	4.56	Peak
2	5665.010	31.52	32.97	64.49	79.34	14.85	Peak
3	5717.511	35.86	33.03	68.89	110.10	41.21	Peak
4	5722.558	36.63	33.03	69.66	116.63	46.97	Peak

Vertical

Project No.: CR230955603-RF
 Tester: coco Tian
 Polarization: Vertical
 Note:

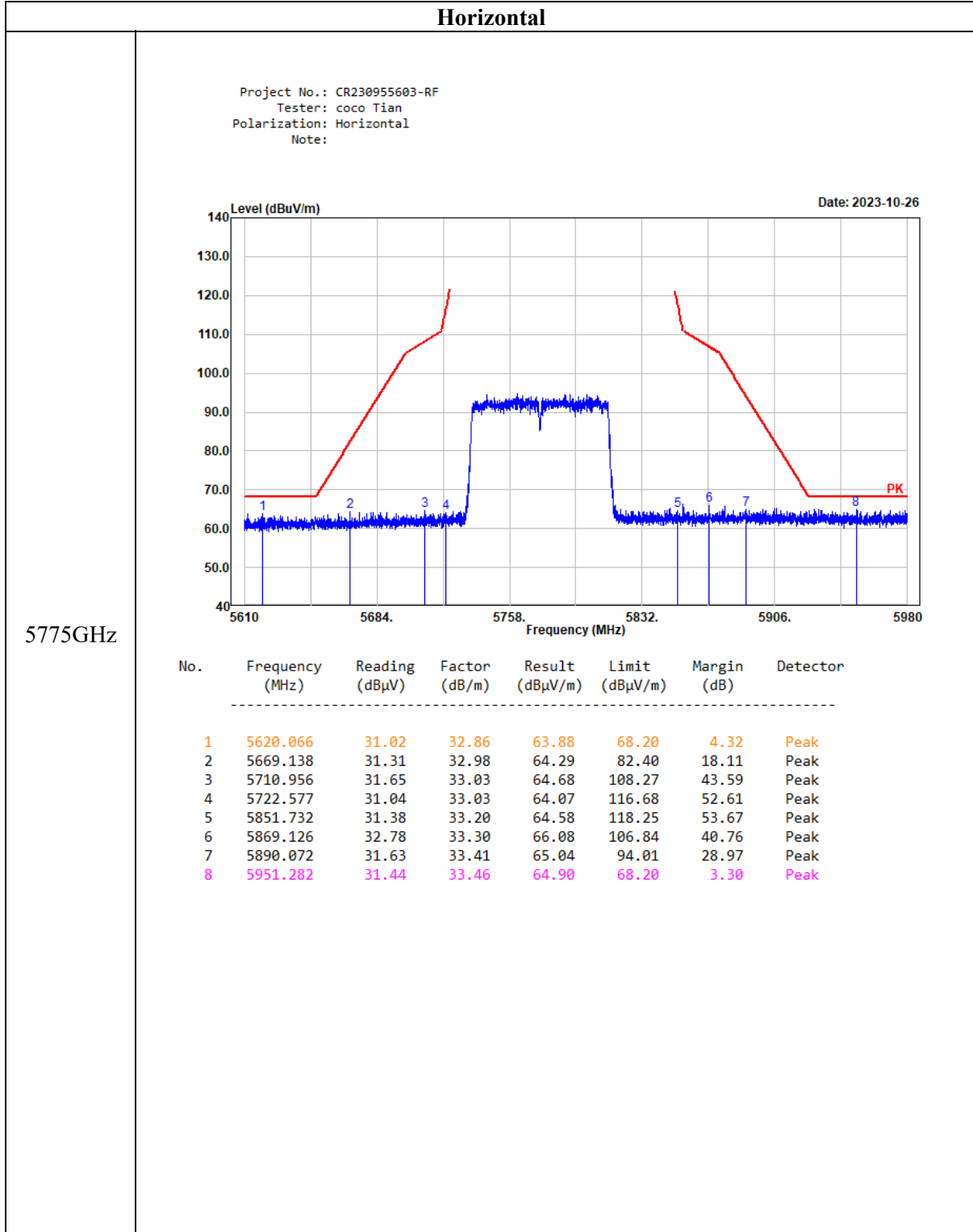
Date: 2023-10-26



5795GHz

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	5852.508	32.45	33.20	65.65	116.48	50.83	Peak
2	5866.317	32.44	33.29	65.73	107.63	41.90	Peak
3	5889.995	32.40	33.41	65.81	94.07	28.26	Peak
4	5929.471	32.01	33.47	65.48	68.20	2.72	Peak

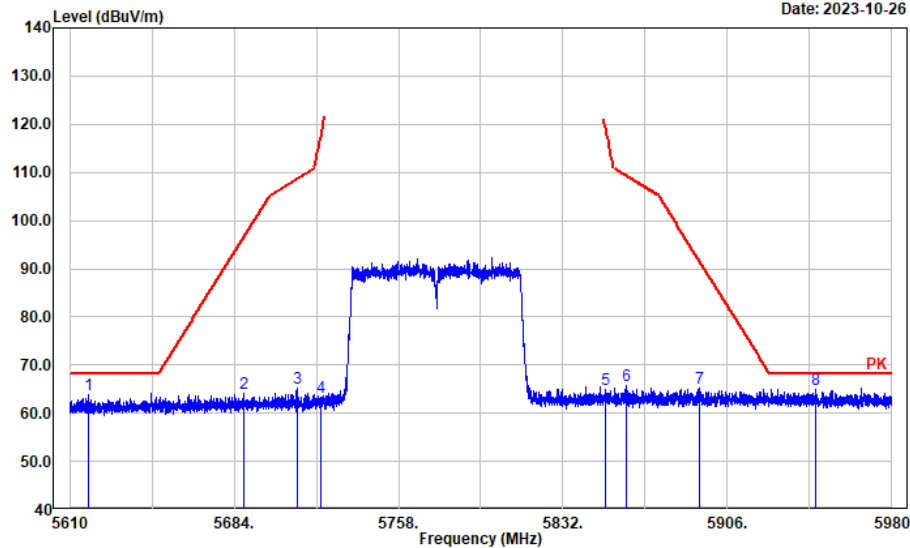
802.11ac vht80:



Vertical

Project No.: CR230955603-RF
 Tester: coco Tian
 Polarization: Vertical
 Note:

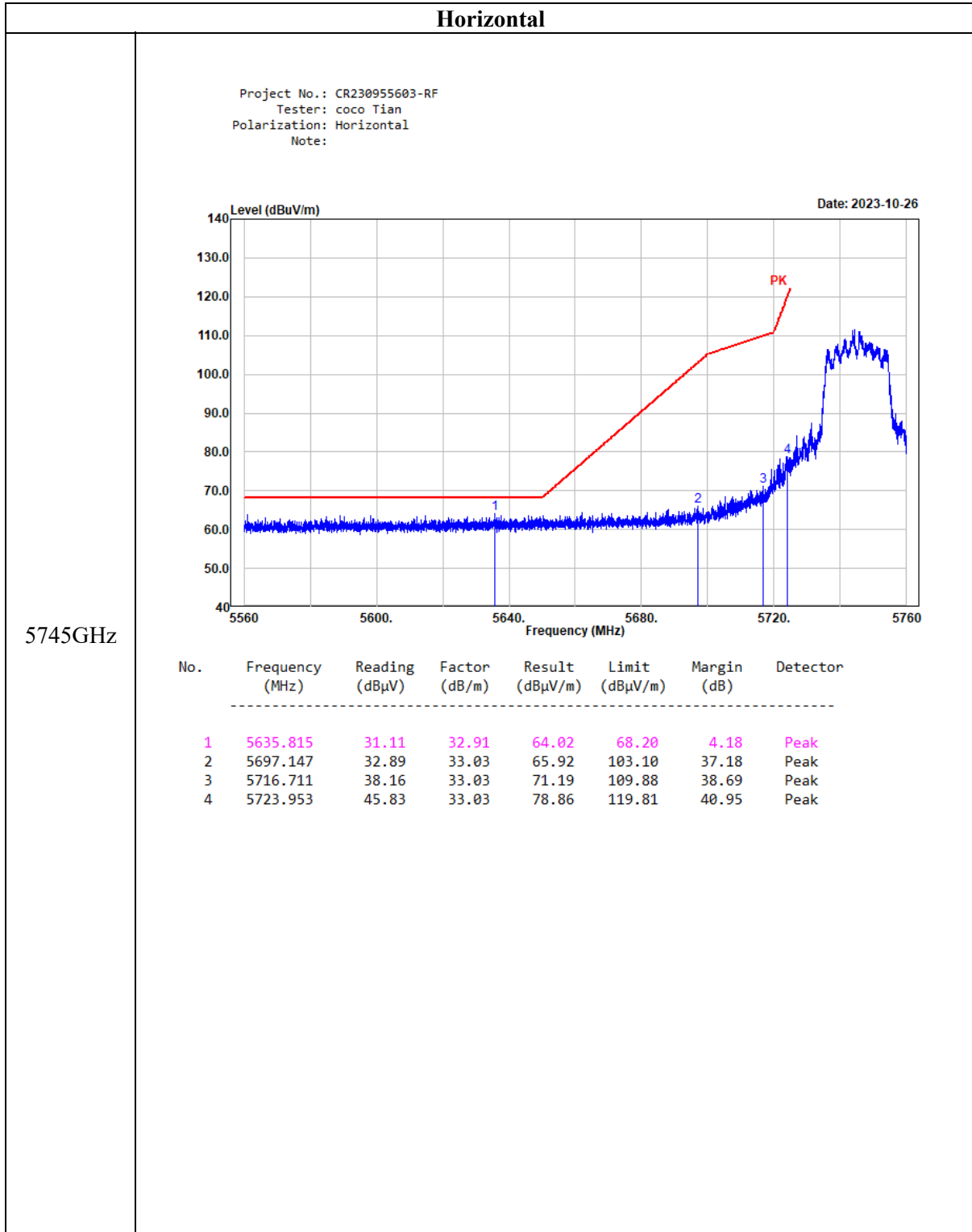
Date: 2023-10-26



5775GHz

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	5618.734	30.92	32.86	63.78	68.20	4.42	Peak
2	5688.382	31.00	33.01	64.01	96.63	32.62	Peak
3	5712.214	32.04	33.03	65.07	108.62	43.55	Peak
4	5722.873	30.32	33.03	63.35	117.35	54.00	Peak
5	5850.918	31.86	33.19	65.05	120.11	55.06	Peak
6	5860.762	32.44	33.25	65.69	109.18	43.49	Peak
7	5893.181	31.85	33.43	65.28	91.71	26.43	Peak
8	5945.509	31.37	33.46	64.83	68.20	3.37	Peak

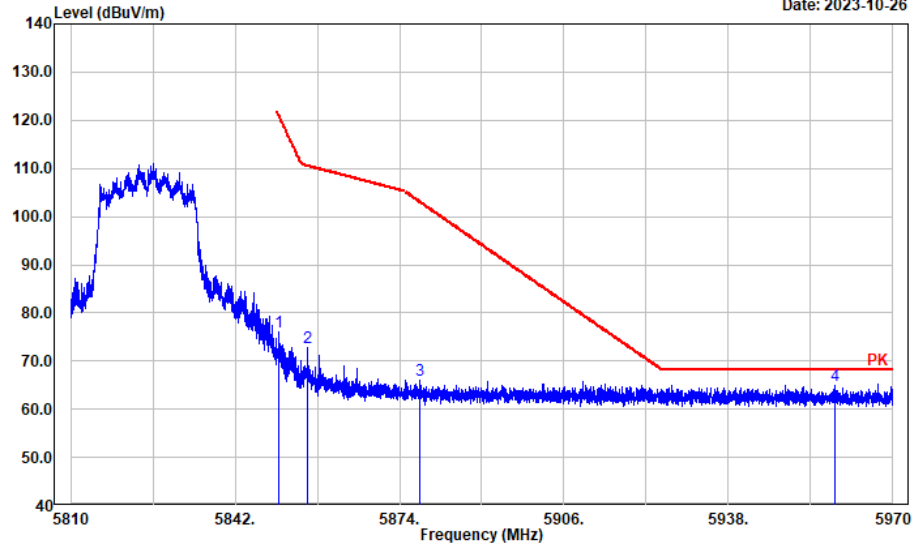
802.11ax he20:



Horizontal

Project No.: CR230955603-RF
 Tester: coco Tian
 Polarization: Horizontal
 Note:

Date: 2023-10-26



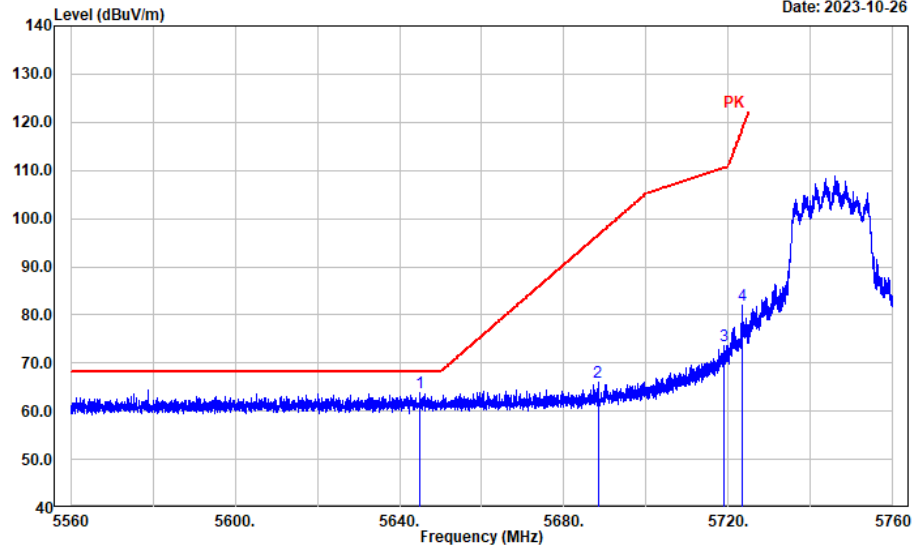
5825GHz

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	5850.552	42.92	33.19	76.11	120.94	44.83	Peak
2	5855.993	39.61	33.22	72.83	110.52	37.69	Peak
3	5877.886	32.59	33.34	65.93	103.06	37.13	Peak
4	5958.766	31.56	33.49	65.05	68.20	3.15	Peak

Vertical

Project No.: CR230955603-RF
 Tester: coco Tian
 Polarization: Vertical
 Note:

Date: 2023-10-26



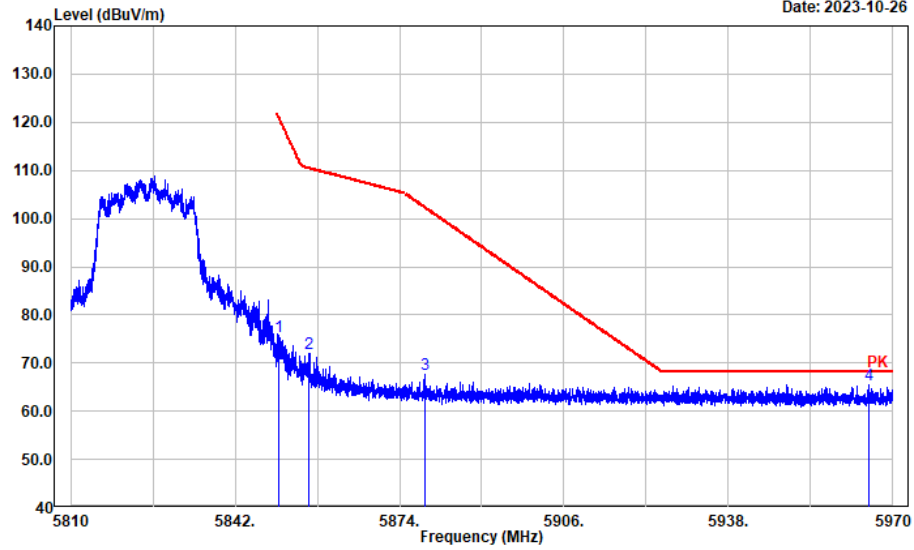
5745GHz

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	5645.057	30.91	32.93	63.84	68.20	4.36	Peak
2	5688.266	33.06	33.01	66.07	96.55	30.48	Peak
3	5718.792	40.69	33.03	73.72	110.46	36.74	Peak
4	5723.232	48.97	33.03	82.00	118.17	36.17	Peak

Vertical

Project No.: CR230955603-RF
 Tester: coco Tian
 Polarization: Vertical
 Note:

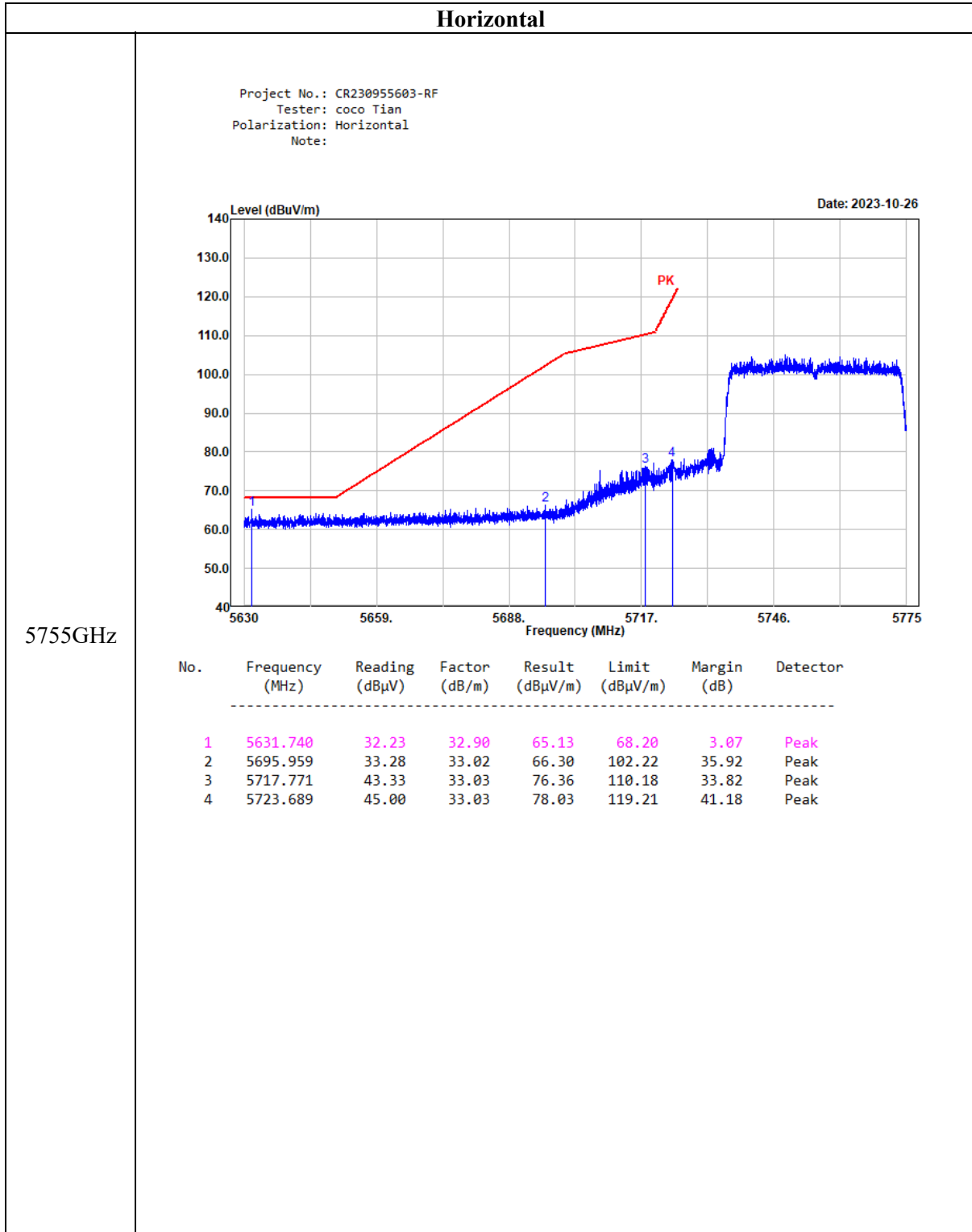
Date: 2023-10-26



5825GHz

No.	Frequency (MHz)	Reading (dB μ V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector
1	5850.616	42.43	33.19	75.62	120.79	45.17	Peak
2	5856.377	38.86	33.23	72.09	110.41	38.32	Peak
3	5878.942	34.29	33.36	67.65	102.27	34.62	Peak
4	5965.423	31.88	33.51	65.39	68.20	2.81	Peak

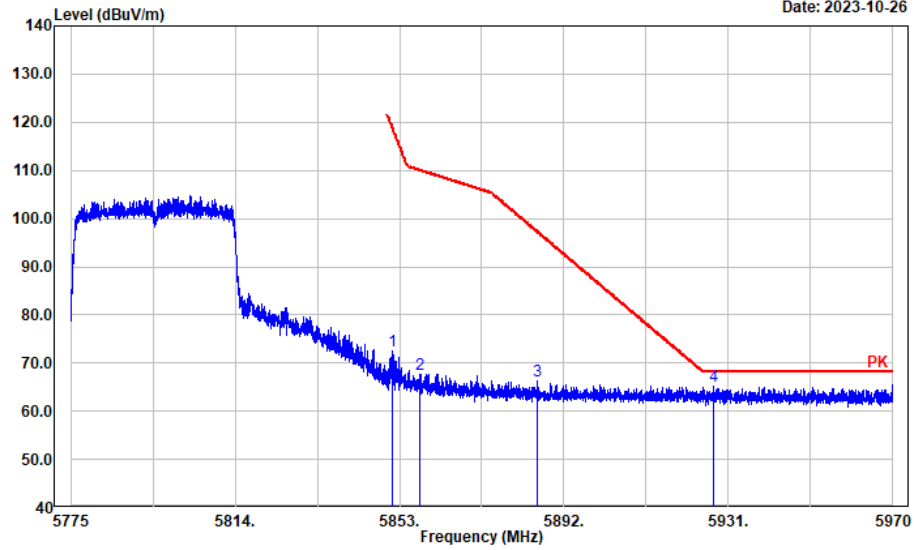
802.11ax he40:



Horizontal

Project No.: CR230955603-RF
 Tester: coco Tian
 Polarization: Horizontal
 Note:

Date: 2023-10-26



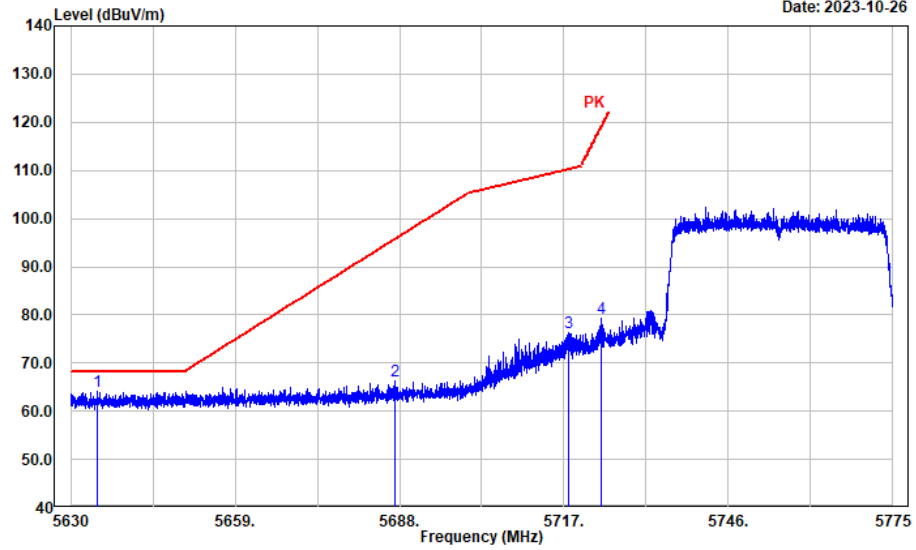
5795GHz

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	5851.182	39.45	33.19	72.64	119.50	46.86	Peak
2	5857.853	34.50	33.23	67.73	110.00	42.27	Peak
3	5885.626	32.79	33.39	66.18	97.31	31.13	Peak
4	5927.521	31.76	33.46	65.22	68.20	2.98	Peak

Vertical

Project No.: CR230955603-RF
 Tester: coco Tian
 Polarization: Vertical
 Note:

Date: 2023-10-26



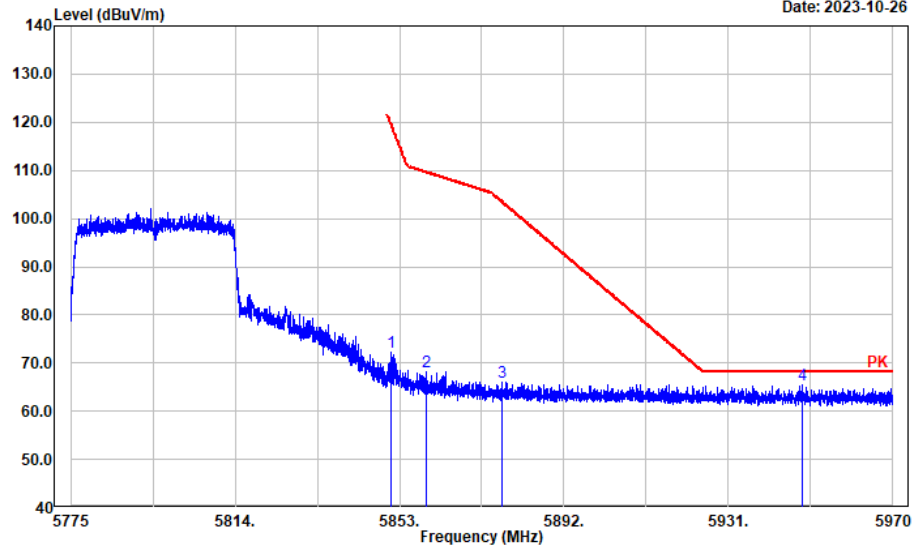
5755GHz

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	5634.786	31.19	32.91	64.10	68.20	4.10	Peak
2	5687.170	33.31	33.01	66.32	95.74	29.42	Peak
3	5717.801	43.21	33.03	76.24	110.19	33.95	Peak
4	5723.486	46.34	33.03	79.37	118.75	39.38	Peak

Vertical

Project No.: CR230955603-RF
 Tester: coco Tian
 Polarization: Vertical
 Note:

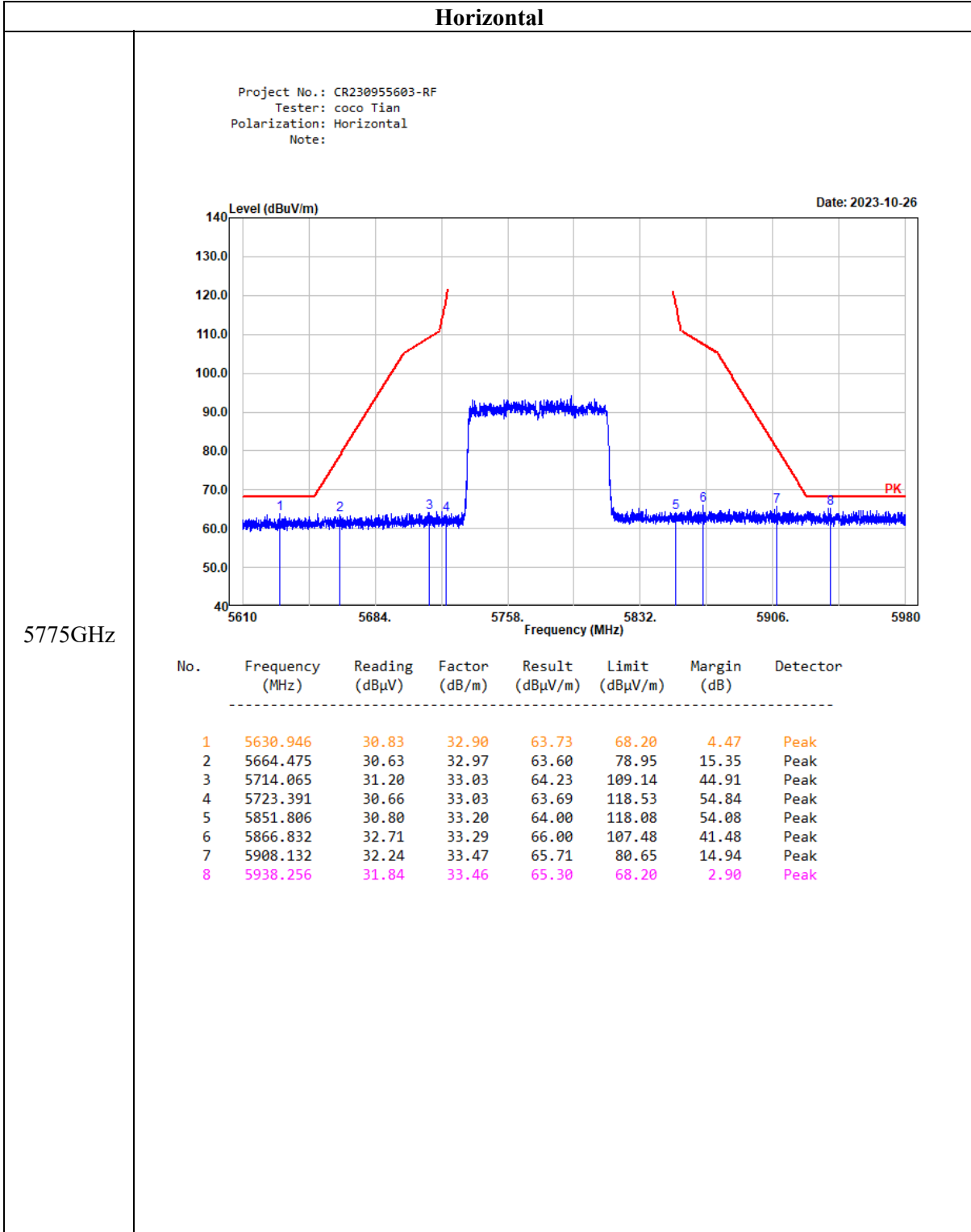
Date: 2023-10-26



5795GHz

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	5850.987	39.18	33.19	72.37	119.95	47.58	Peak
2	5859.218	35.02	33.24	68.26	109.62	41.36	Peak
3	5877.201	32.65	33.34	65.99	103.56	37.57	Peak
4	5948.429	32.00	33.46	65.46	68.20	2.74	Peak

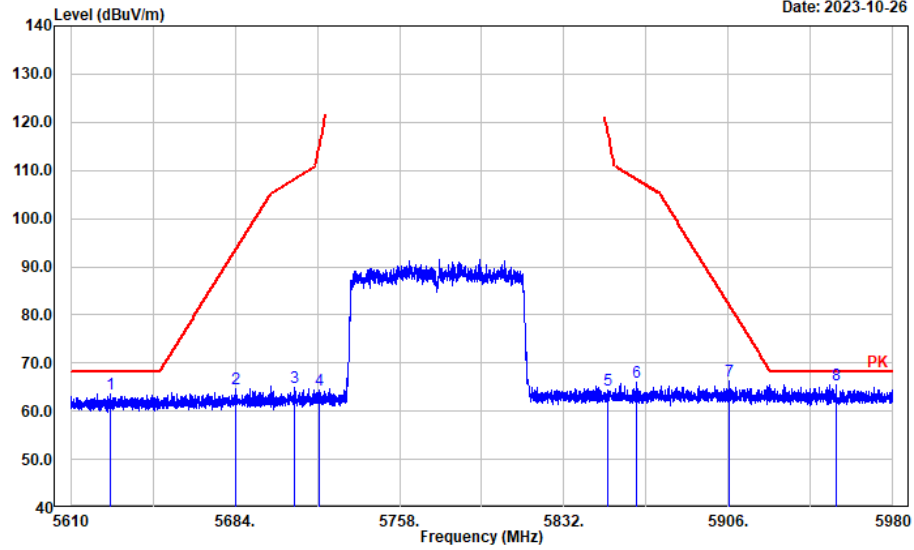
802.11ax he80:



Vertical

Project No.: CR230955603-RF
 Tester: coco Tian
 Polarization: Vertical
 Note:

Date: 2023-10-26



5775GHz

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	5628.134	30.68	32.89	63.57	68.20	4.63	Peak
2	5684.089	31.77	33.00	64.77	93.46	28.69	Peak
3	5710.734	31.87	33.03	64.90	108.21	43.31	Peak
4	5722.132	31.28	33.03	64.31	115.66	51.35	Peak
5	5851.806	31.29	33.20	64.49	118.08	53.59	Peak
6	5864.907	32.70	33.27	65.97	108.02	42.05	Peak
7	5906.577	32.88	33.47	66.35	81.80	15.45	Peak
8	5954.613	32.01	33.48	65.49	68.20	2.71	Peak

4.3 Emission Bandwidth:

Serial Number:	2BJM-12	Test Date:	2023/11/3~2023/11/9
Test Site:	RF	Test Mode:	Transmitting
Tester:	Jou Zhou	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.6~26.1	Relative Humidity: (%)	58~62	ATM Pressure: (kPa)	100.7~101.1
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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	24.72	17.01
	5200	24.60	17.01
	5240	24.74	17.17
802.11n ht20	5180	29.35	18.64
	5200	28.39	19.10
	5240	23.26	18.76
802.11n ht40	5190	49.20	37.40
	5230	49.64	37.51
802.11ac vht20	5180	30.02	18.44
	5200	24.10	18.28
	5240	28.93	18.28
802.11ac vht40	5190	46.02	36.73
	5230	47.03	37.52
802.11ac vht80	5210	88.89	76.65
802.11ax he20	5180	39.30	19.16
	5200	36.92	19.32
	5240	39.93	19.32
802.11ax he40	5190	43.06	38.00
	5230	45.86	38.16
802.11ax he80	5210	86.18	77.60
<p>Note: Test only was performed at Chain 0. The 99% Occupied Bandwidth have not fall into the band 5250-5350MHz, please refer to the test plots of 99% Occupied Bandwidth.</p>			

5725-5850 MHz:

Test Modes	Test Frequency (MHz)	6 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
802.11a	5745	15.32	18.04
	5785	15.35	16.93
	5825	15.29	17.57
802.11n ht20	5745	17.91	18.20
	5785	17.92	18.20
	5825	17.92	18.28
802.11n ht40	5755	36.78	37.53
	5795	36.67	37.53
802.11ac vht20	5745	15.36	18.12
	5785	15.32	18.04
	5825	15.31	18.12
802.11ac vht40	5755	35.68	37.97
	5795	35.50	37.05
802.11ac vht80	5775	75.91	75.69
802.11ax he20	5745	19.02	19.32
	5785	19.03	19.16
	5825	19.14	19.32
802.11ax he40	5755	38.43	38.16
	5795	38.15	38.00
802.11ax he80	5775	78.51	77.61

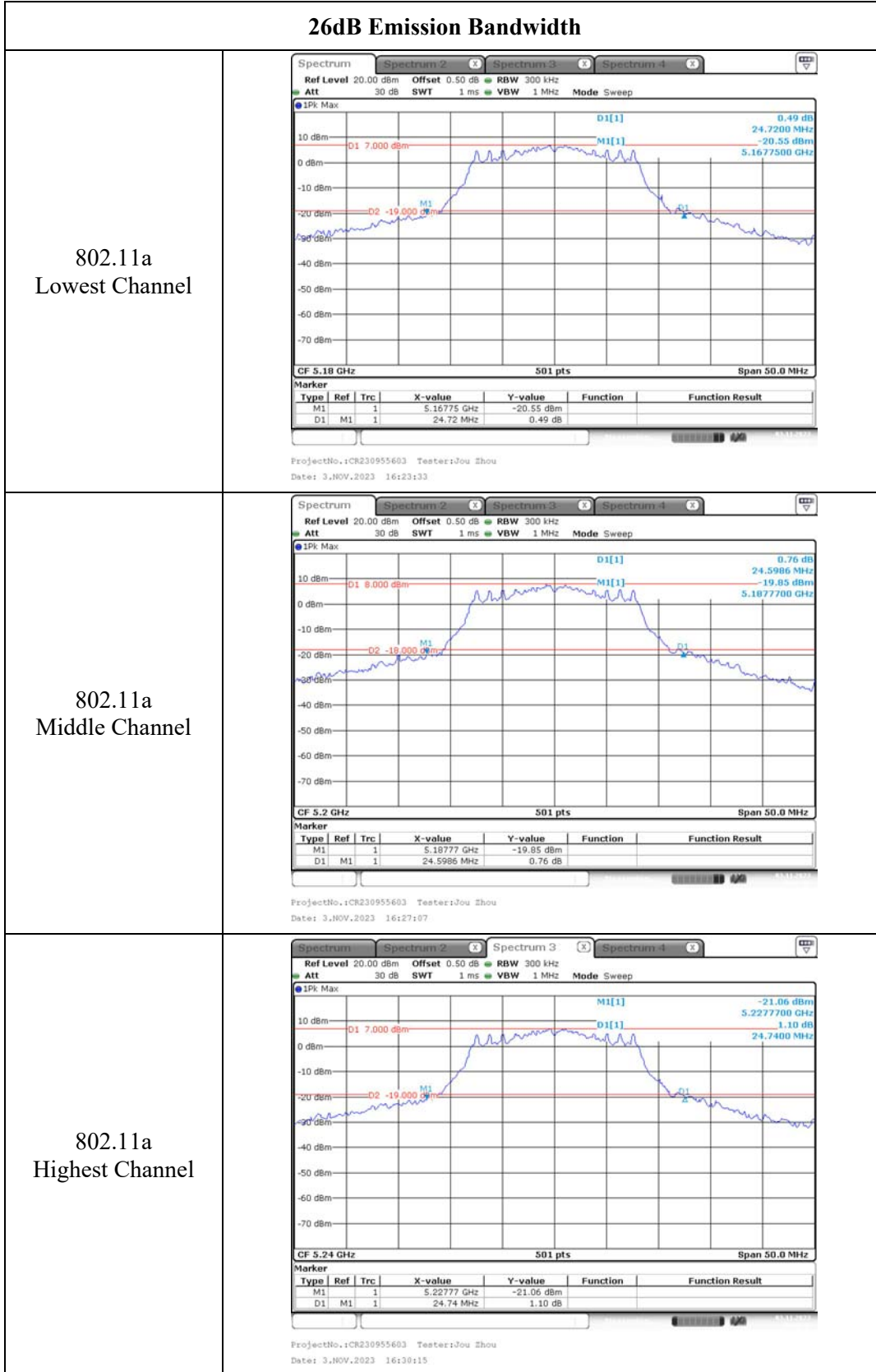
Note:

6dB Emission Bandwidth Limit: ≥ 0.5 MHz

Test only was performed at Chain 0.

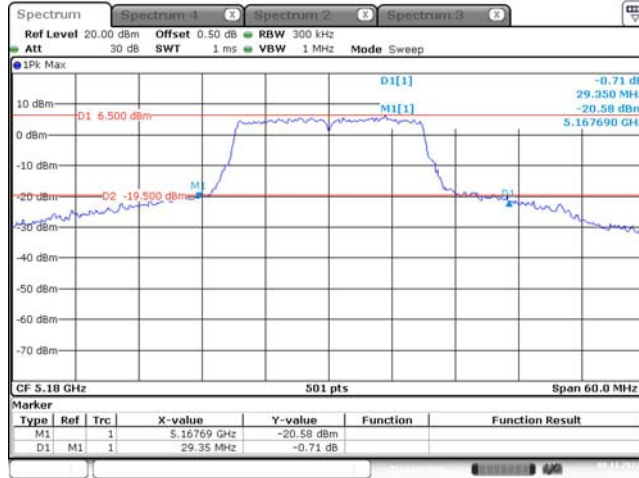
The 99% Occupied Bandwidth have not fall into the band 5470-5725MHz, please refer to the test plots of 99% Occupied Bandwidth.

5150-5250MHz:



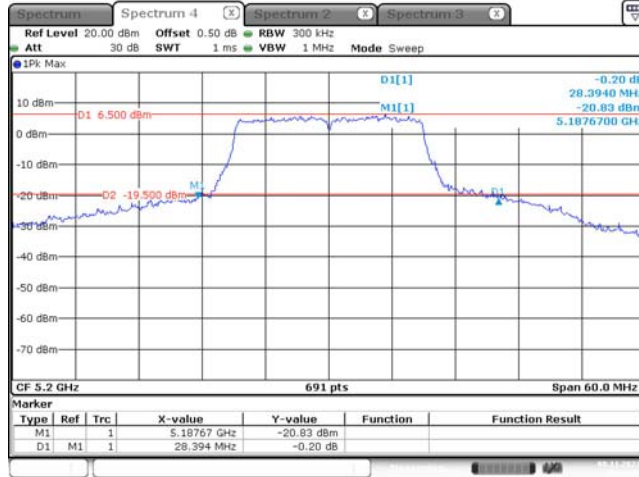
26dB Emission Bandwidth

802.11n ht20
Lowest Channel



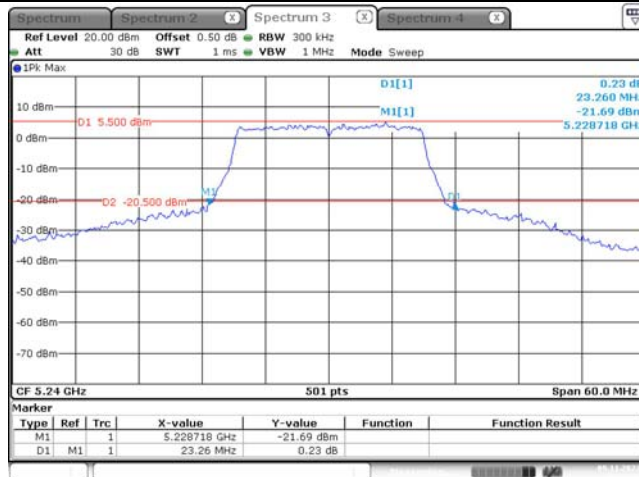
ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 8.NOV.2023 15:49:47

802.11n ht20
Middle Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 8.NOV.2023 16:04:09

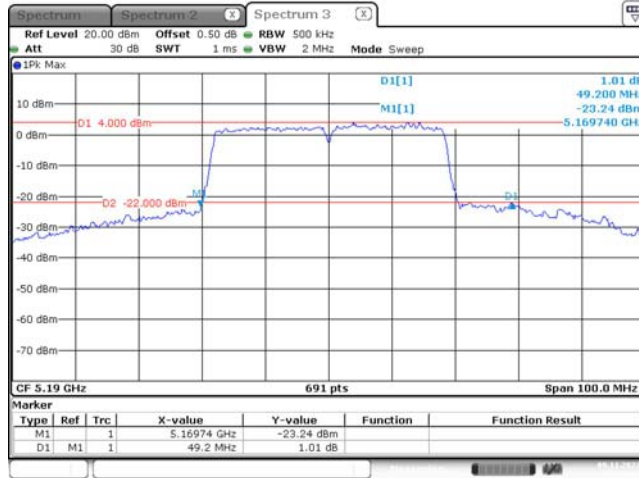
802.11n ht20
Highest Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 9.NOV.2023 19:47:52

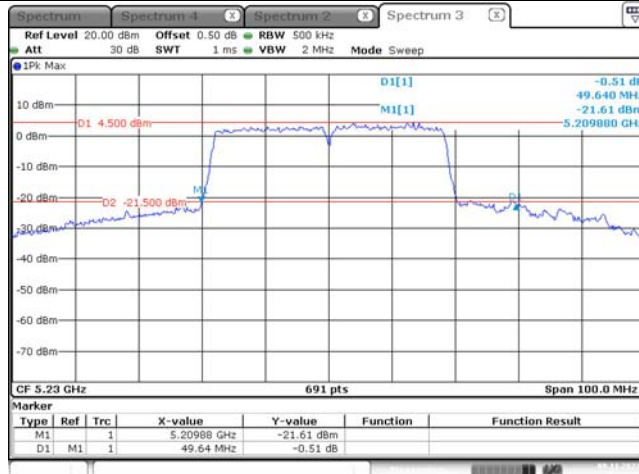
26dB Emission Bandwidth

802.11n ht40
Lowest Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 9.NOV.2023 09:16:23

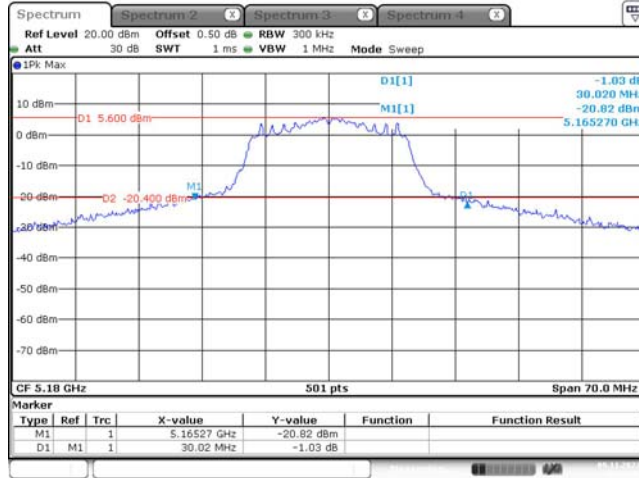
802.11n ht40
Highest Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 8.NOV.2023 16:18:14

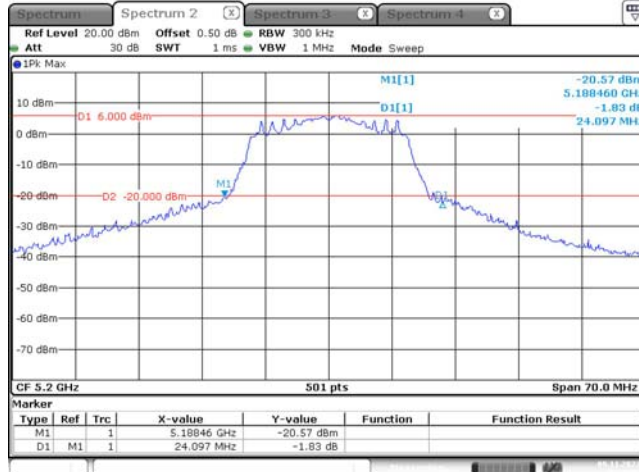
26dB Emission Bandwidth

802.11ac vht20
Lowest Channel



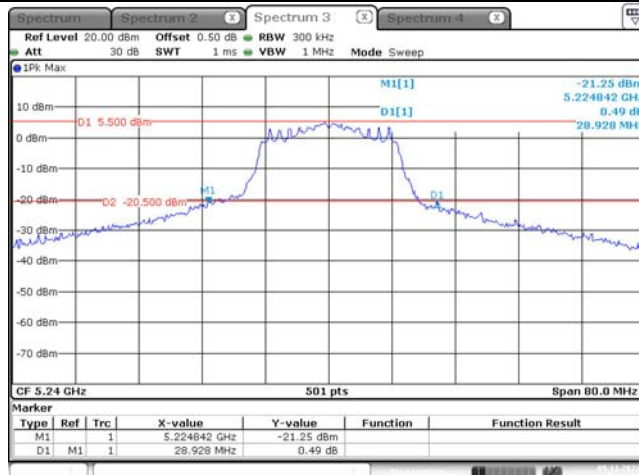
ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 9.NOV.2023 17:41:58

802.11ac vht20
Middle Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 9.NOV.2023 18:08:05

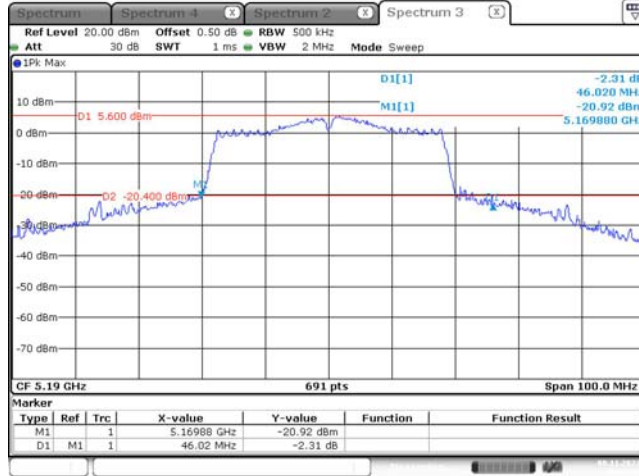
802.11ac vht20
Highest Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 9.NOV.2023 18:29:39

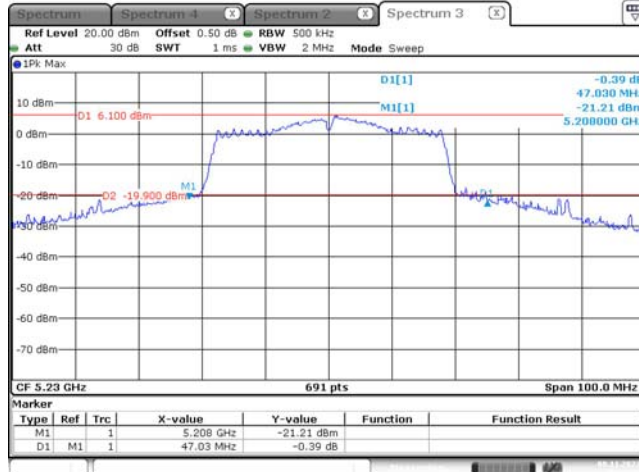
26dB Emission Bandwidth

802.11ac vht40
Lowest Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 8.NOV.2023 16:36:17

802.11ac vht40
Highest Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 8.NOV.2023 16:31:14

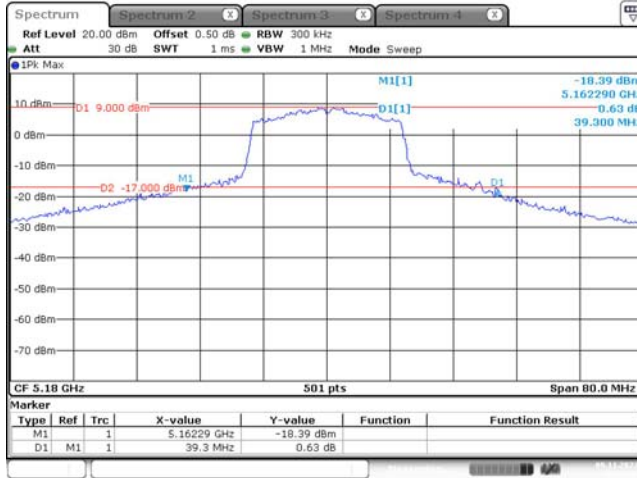
802.11ac vht80
Middle Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 9.NOV.2023 20:09:29

26dB Emission Bandwidth

802.11ax he20
Lowest Channel



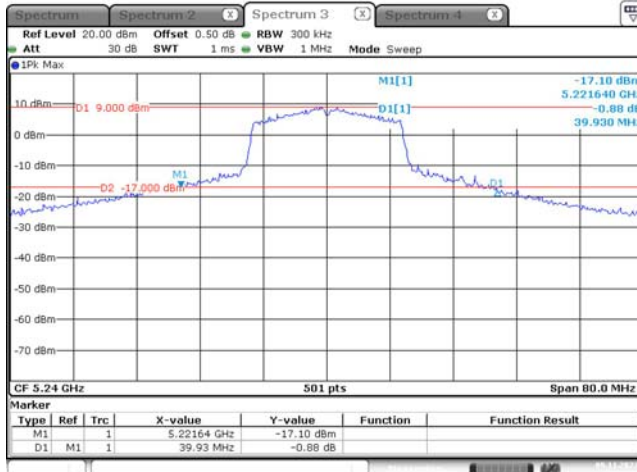
ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 9.NOV.2023 19:21:57

802.11ax he20
Middle Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 9.NOV.2023 19:23:57

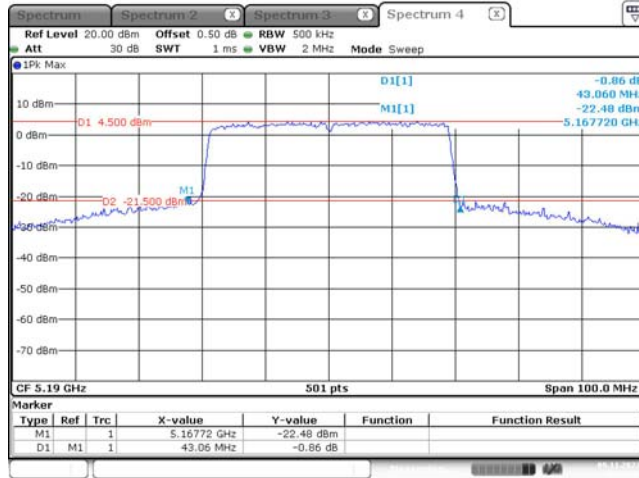
802.11ax he20
Highest Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 9.NOV.2023 20:06:58

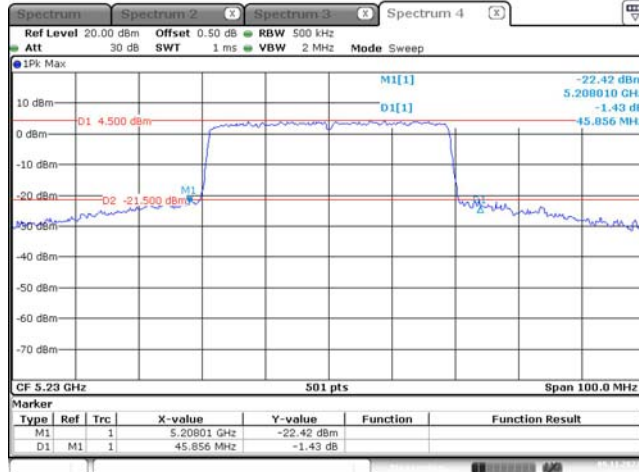
26dB Emission Bandwidth

802.11ax he40
Lowest Channel



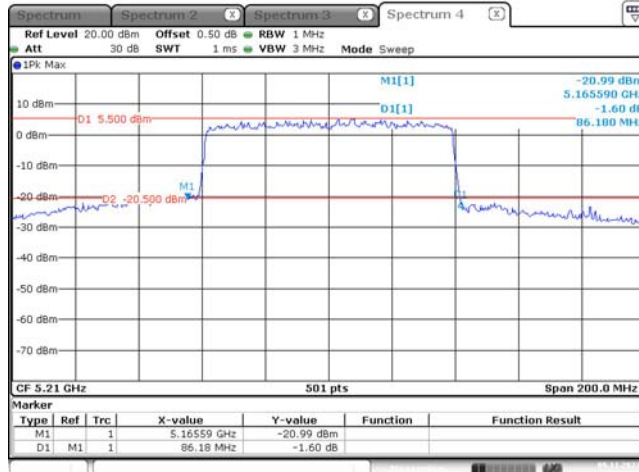
ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 9.NOV.2023 19:32:15

802.11ax he40
Highest Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 9.NOV.2023 19:35:46

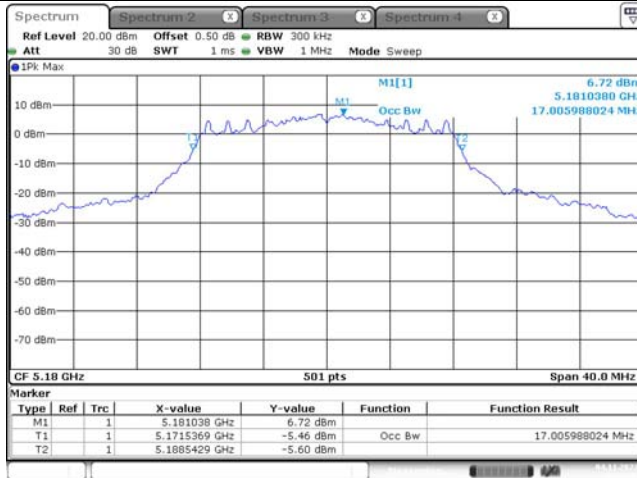
802.11ax he80
Middle Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 9.NOV.2023 20:11:02

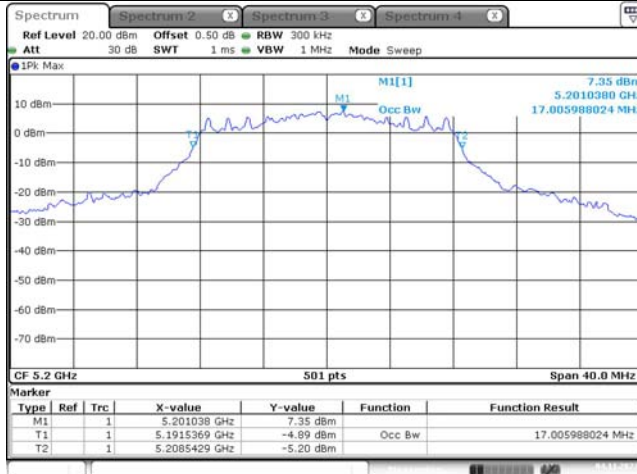
99% Emission Bandwidth

802.11a
Lowest Channel



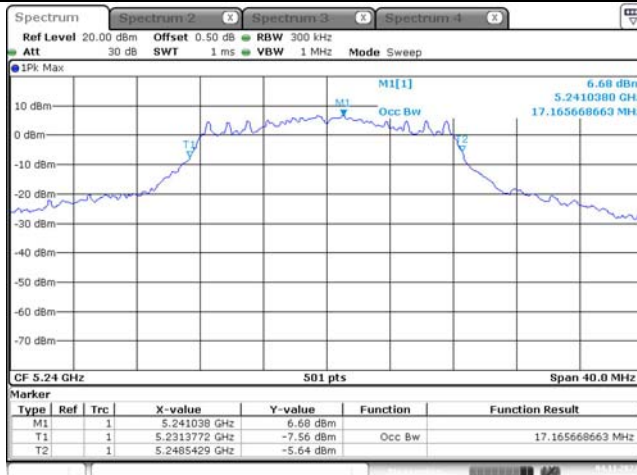
ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 11:51:08

802.11a
Middle Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 11:52:13

802.11a
Highest Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 11:53:46

99% Emission Bandwidth

802.11n ht20
Lowest Channel



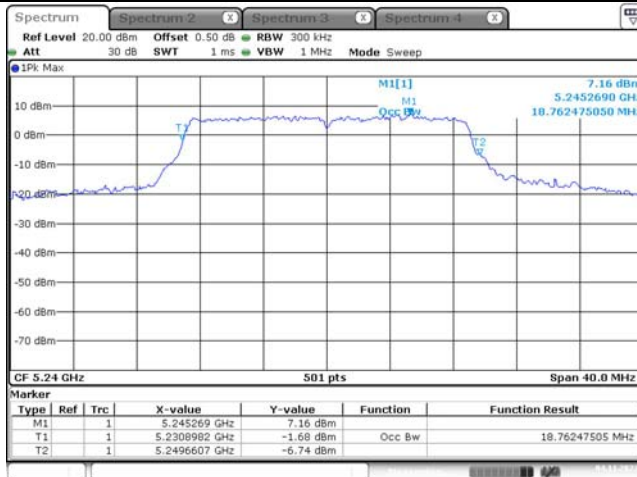
ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 9.NOV.2023 09:08:43

802.11n ht20
Middle Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 9.NOV.2023 09:13:14

802.11n ht20
Highest Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 11:59:15

99% Emission Bandwidth

802.11n ht40
Lowest Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 9.NOV.2023 09:16:12

802.11n ht40
Highest Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 9.NOV.2023 09:18:35

99% Emission Bandwidth

802.11ac vht20
Lowest Channel



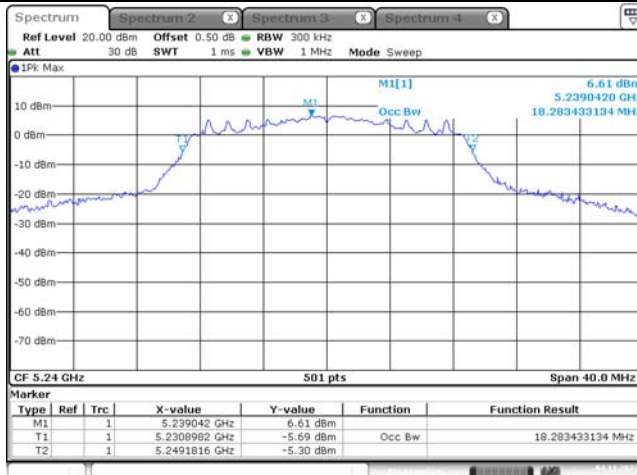
ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 13:26:39

802.11ac vht20
Middle Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 13:28:01

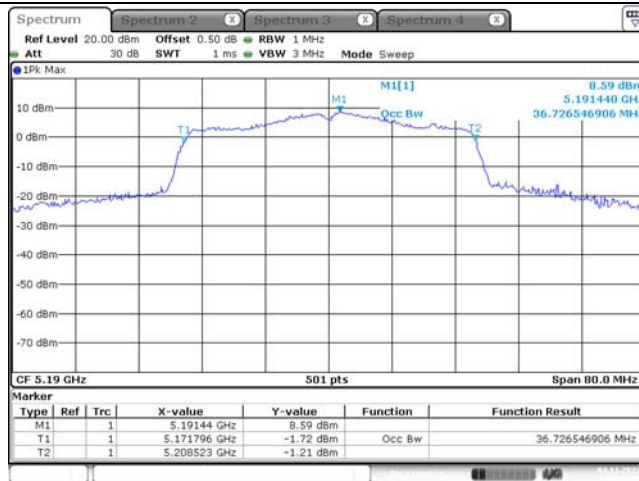
802.11ac vht20
Highest Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 13:34:38

99% Emission Bandwidth

802.11ac vht40
Lowest Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 13:35:55

802.11ac vht40
Highest Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 13:37:13

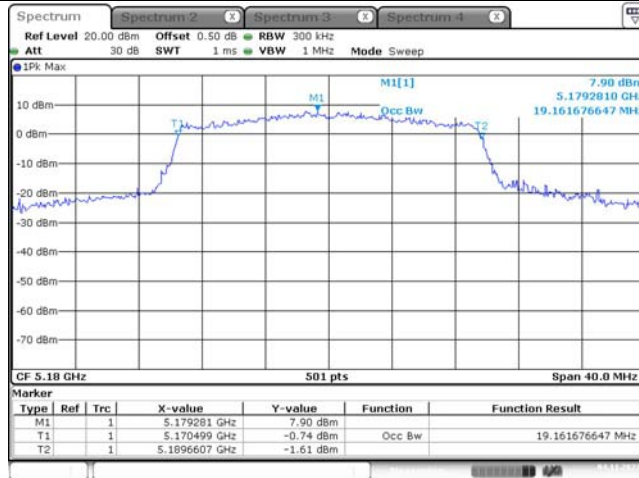
802.11ac vht80
Highest Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 13:42:21

99% Emission Bandwidth

802.11ax he20
Lowest Channel



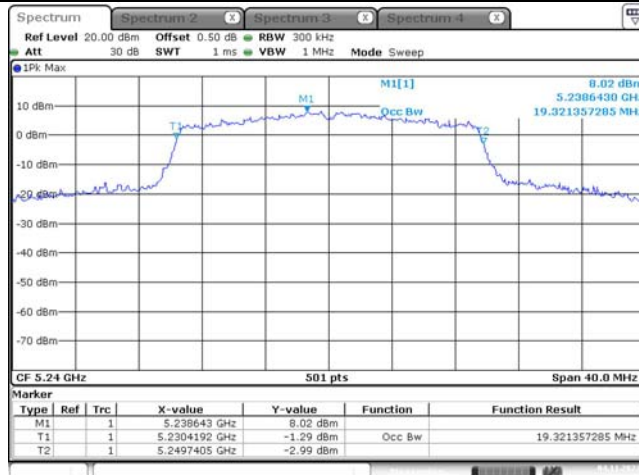
ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 13:52:11

802.11ax he20
Middle Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 13:53:13

802.11ax he20
Highest Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 13:54:10

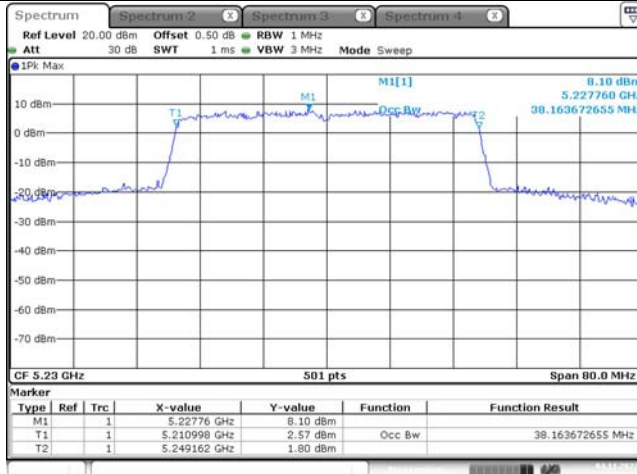
99% Emission Bandwidth

802.11ax he40
Lowest Channel



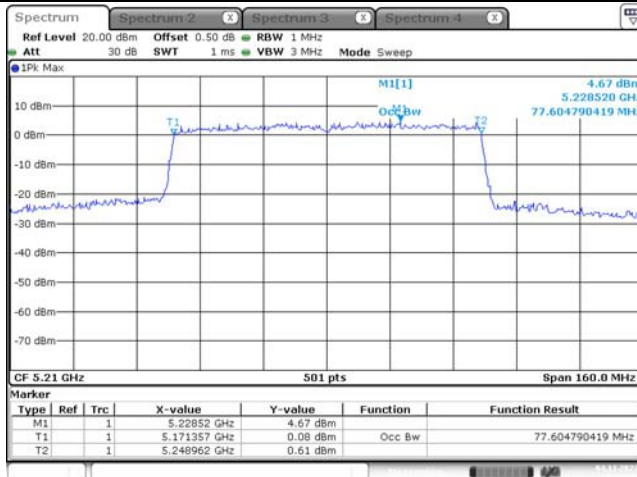
ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 13:55:18

802.11ax he40
Highest Channel



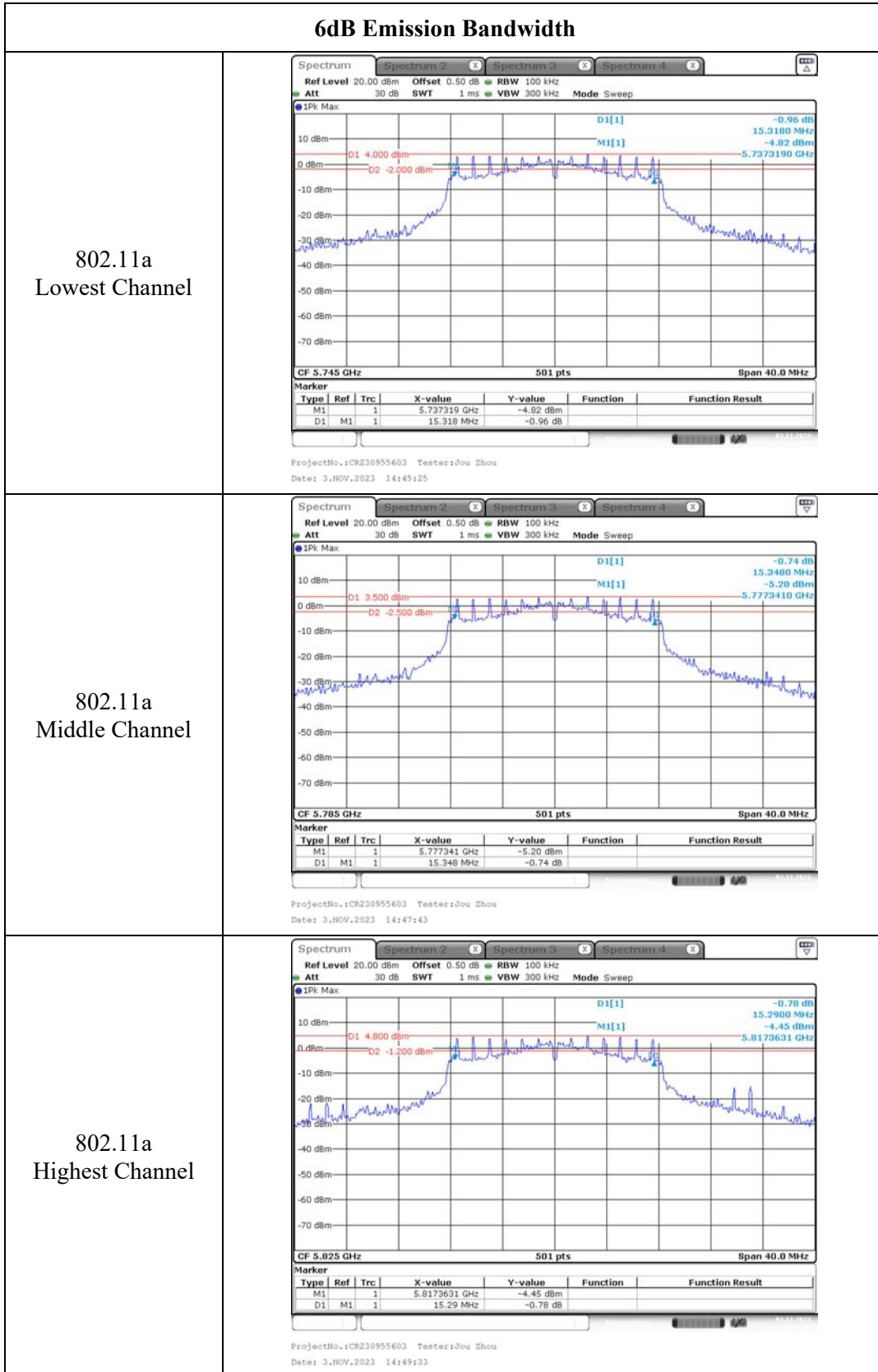
ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 13:56:27

802.11ax he80
Middle Channel



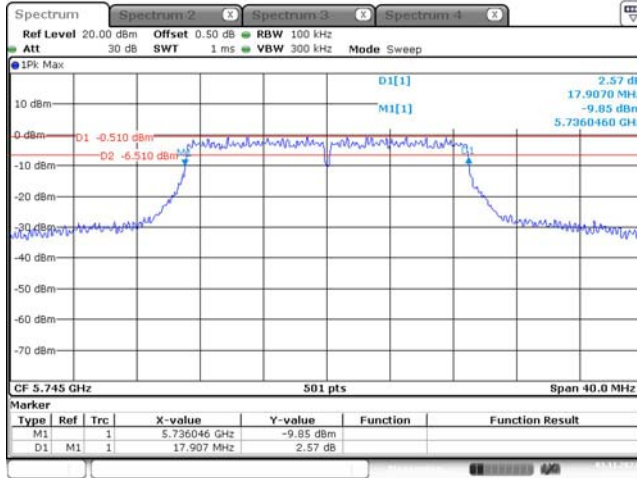
ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 13:57:55

5725-5850MHz:



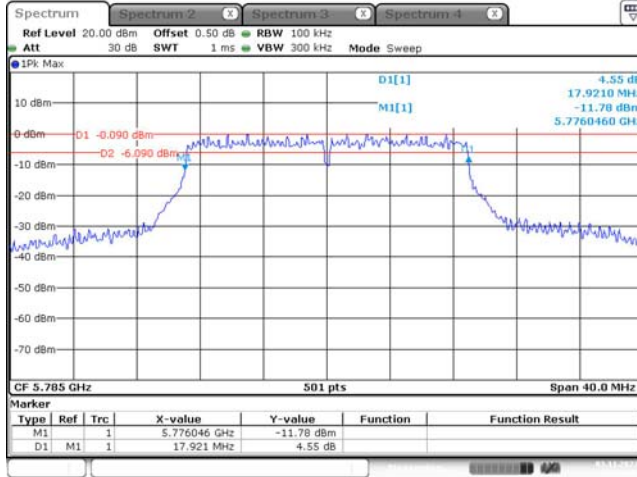
6dB Emission Bandwidth

802.11n ht20
Lowest Channel



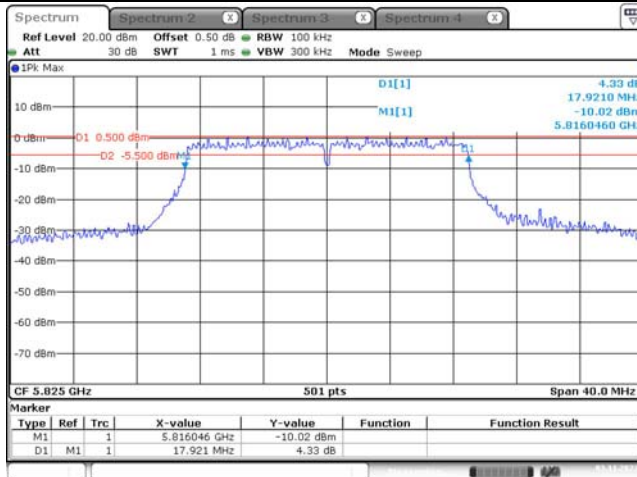
ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 3.NOV.2023 14:51:33

802.11n ht20
Middle Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 3.NOV.2023 14:54:06

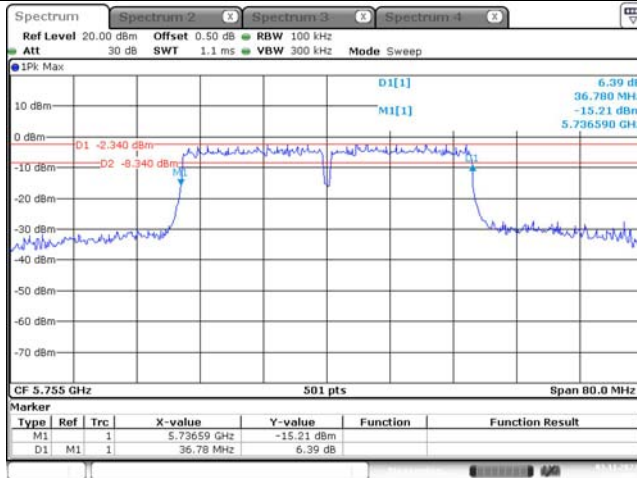
802.11n ht20
Highest Channel



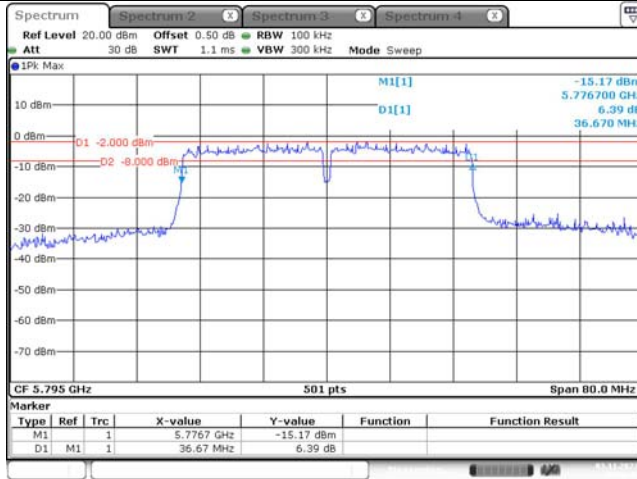
ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 3.NOV.2023 14:56:14

6dB Emission Bandwidth

802.11n ht40
Lowest Channel

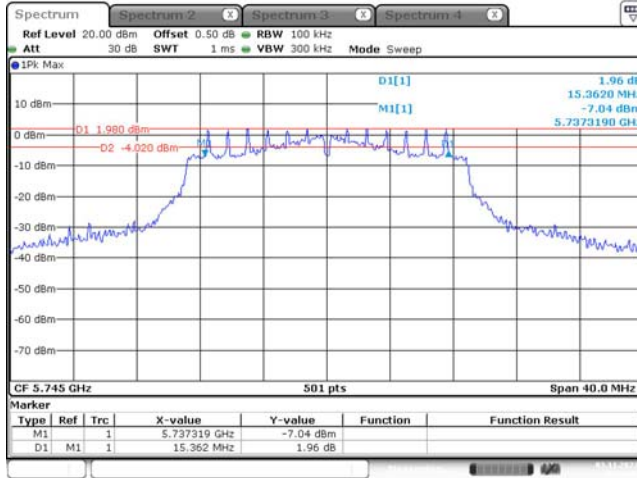


802.11n ht40
Highest Channel



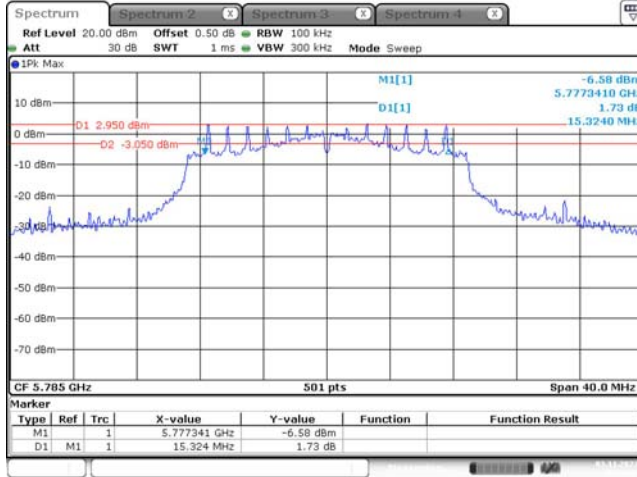
6dB Emission Bandwidth

802.11ac vht20
Lowest Channel



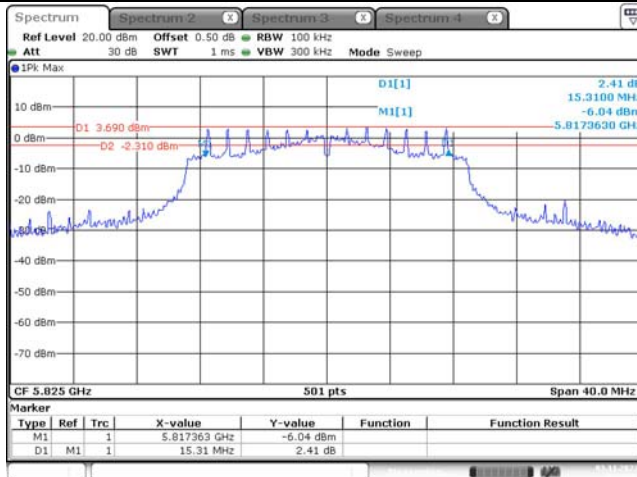
ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 3.NOV.2023 15:13:43

802.11ac vht20
Middle Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 3.NOV.2023 15:16:22

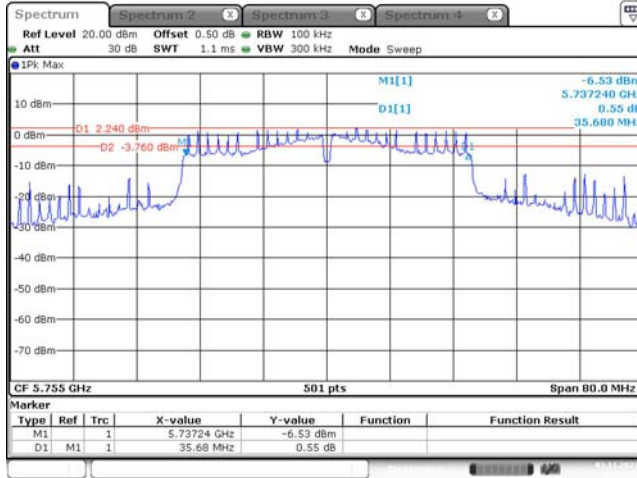
802.11ac vht20
Highest Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 3.NOV.2023 15:19:59

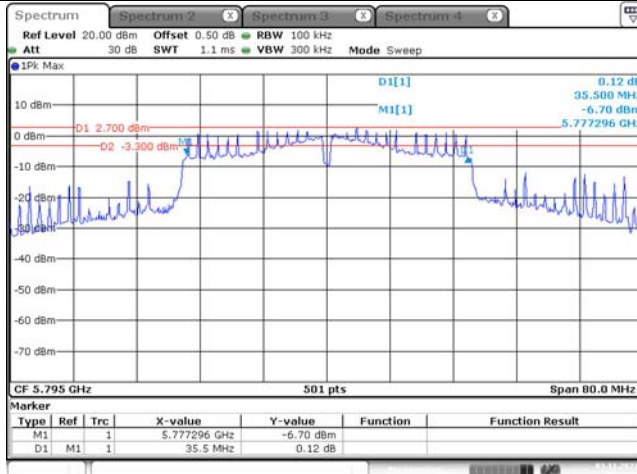
6dB Emission Bandwidth

802.11ac vht40
Lowest Channel



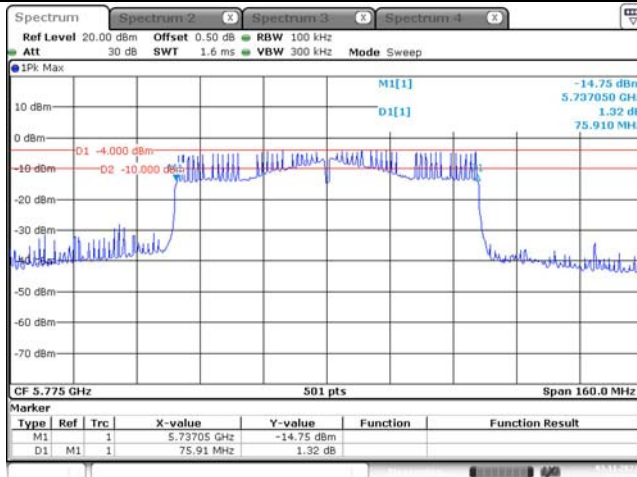
ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 3.NOV.2023 15:23:50

802.11ac vht40
Highest Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 3.NOV.2023 15:26:20

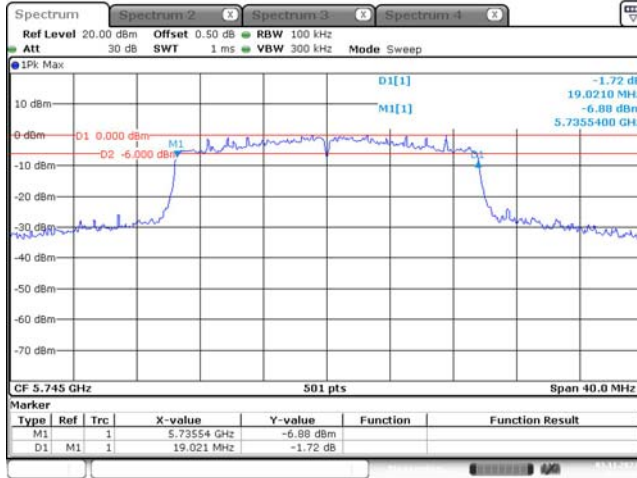
802.11ac vht80
Middle Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 3.NOV.2023 15:28:10

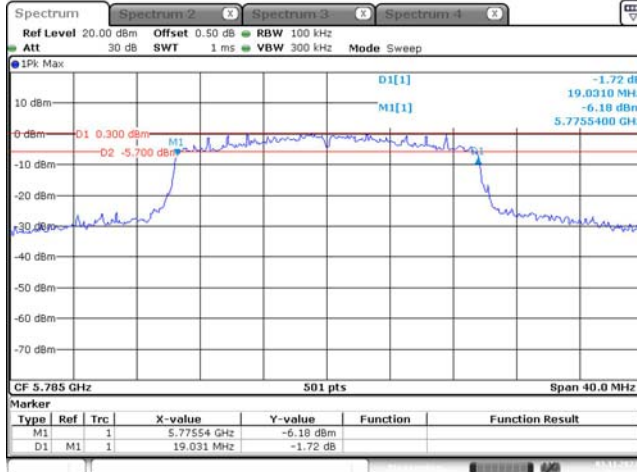
6dB Emission Bandwidth

802.11ax he20
Lowest Channel



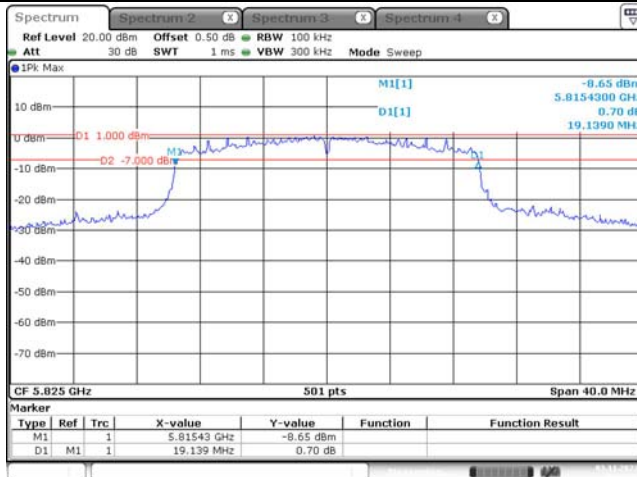
ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 3.NOV.2023 15:31:45

802.11ax he20
Middle Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 3.NOV.2023 16:06:30

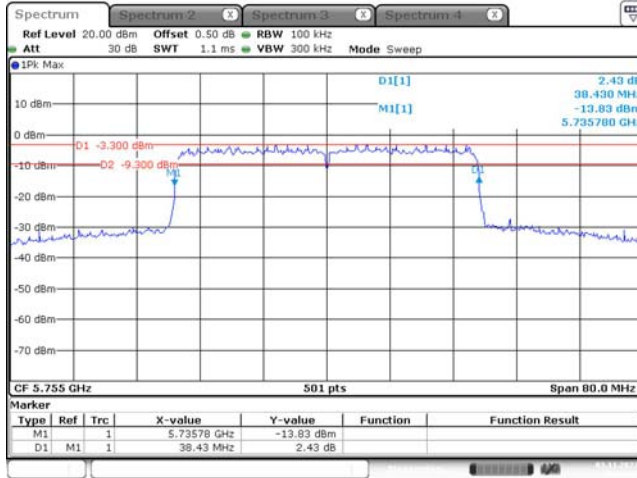
802.11ax he20
Highest Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 3.NOV.2023 16:09:33

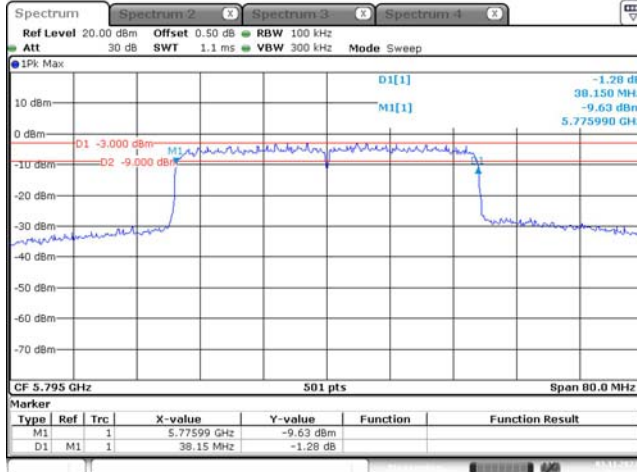
6dB Emission Bandwidth

802.11ax he40
Lowest Channel



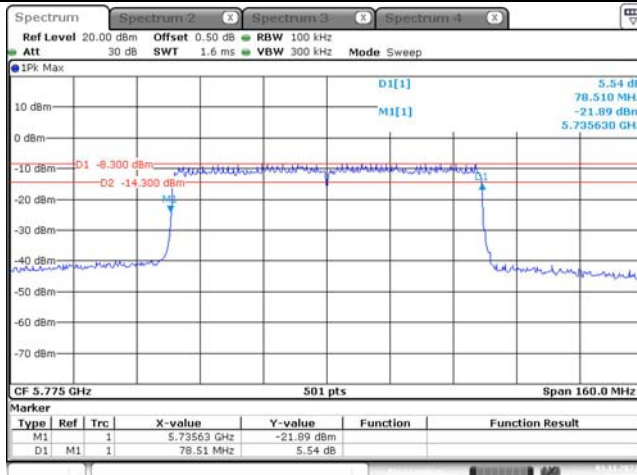
ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 3.NOV.2023 16:14:44

802.11ax he40
Highest Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 3.NOV.2023 16:16:32

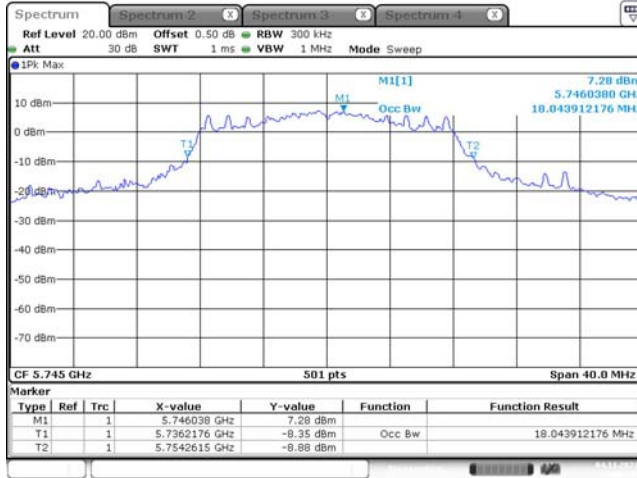
802.11ax he80
Middle Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 3.NOV.2023 16:18:07

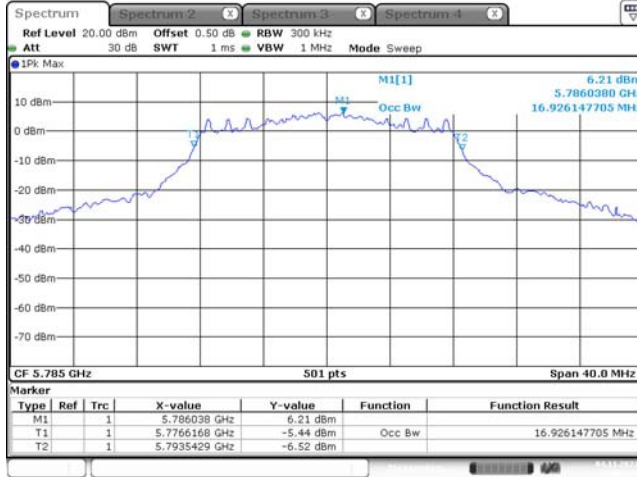
99% Emission Bandwidth

802.11a
Lowest Channel



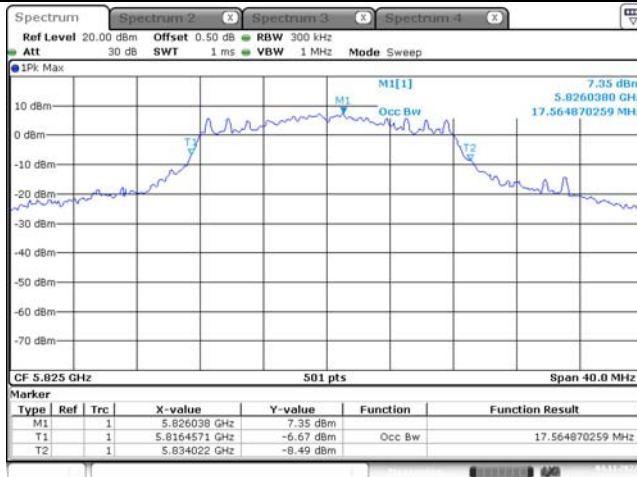
ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 14:07:58

802.11a
Middle Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 14:09:22

802.11a
Highest Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 14:11:28

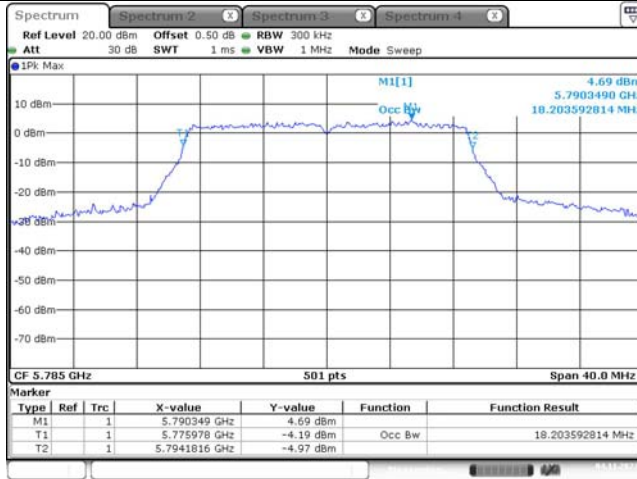
99% Emission Bandwidth

802.11n ht20
Lowest Channel



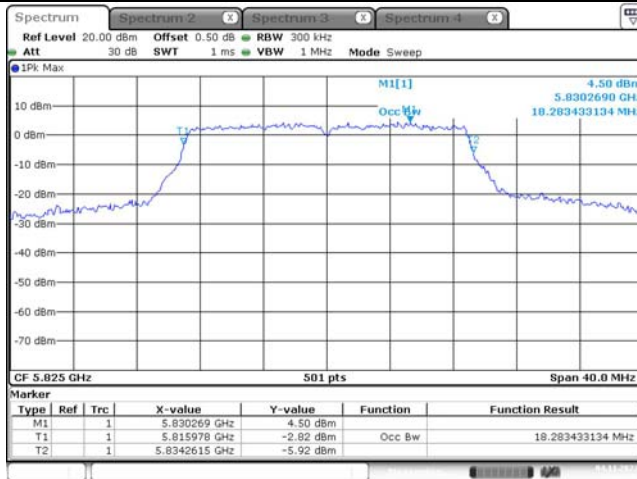
ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 14:14:23

802.11n ht20
Middle Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 14:15:25

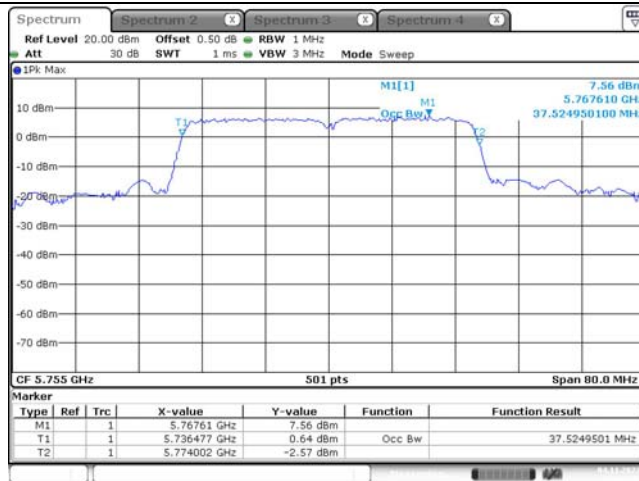
802.11n ht20
Highest Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 14:18:39

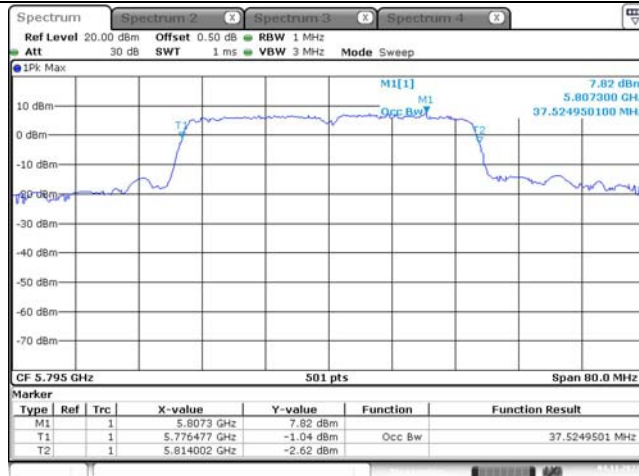
99% Emission Bandwidth

802.11n ht40
Lowest Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 14:21:50

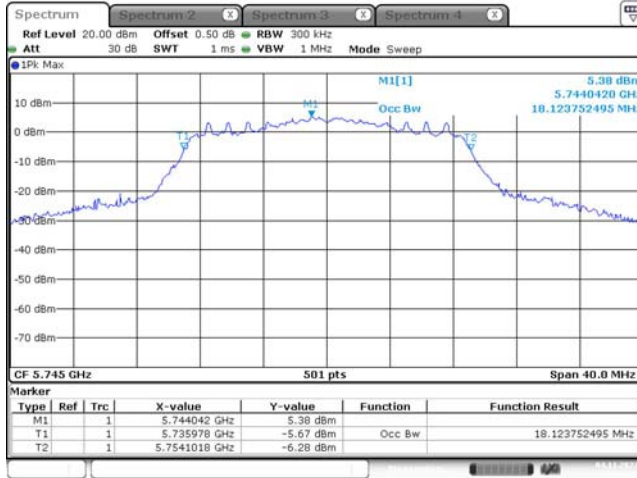
802.11n ht40
Highest Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 14:22:43

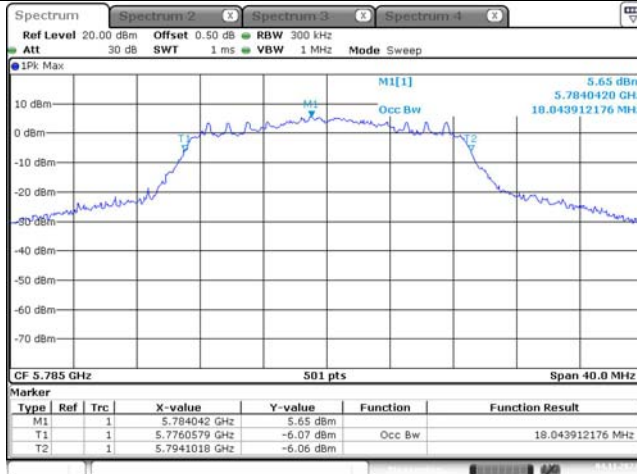
99% Emission Bandwidth

802.11ac vht20
Lowest Channel



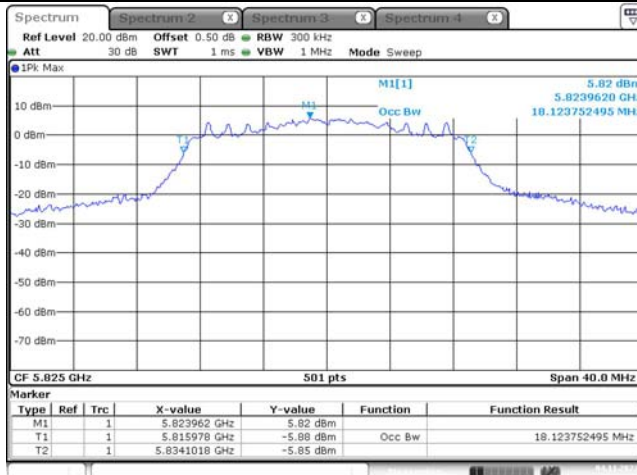
ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 14:24:01

802.11ac vht20
Middle Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 14:25:28

802.11ac vht20
Highest Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 14:26:26

99% Emission Bandwidth

802.11ac vht40
Lowest Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 9.NOV.2023 09:47:18

802.11ac vht40
Highest Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 9.NOV.2023 09:51:48

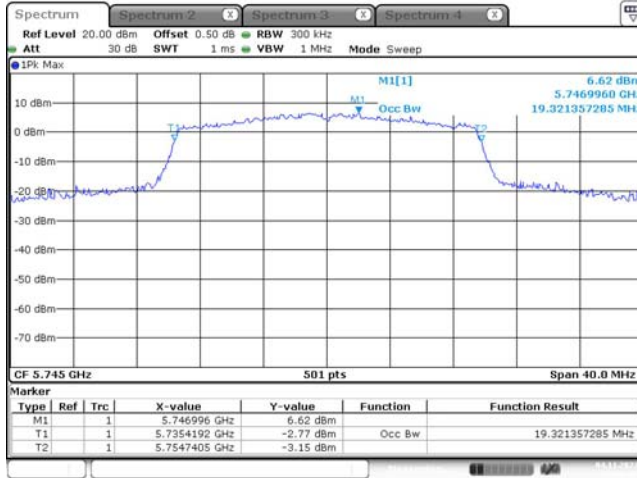
802.11ac vht80
Middle Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 14:29:30

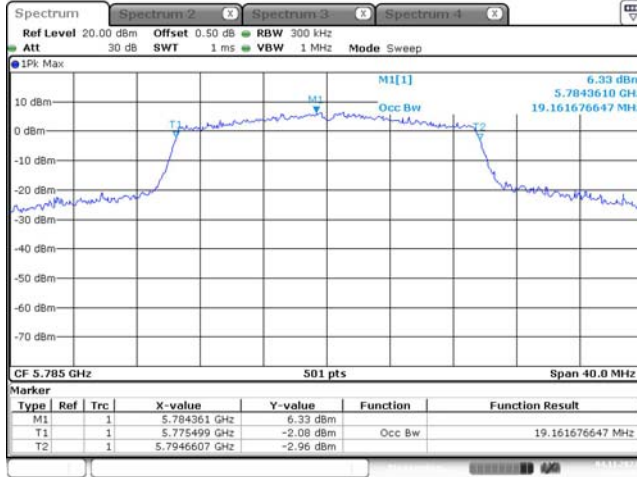
99% Emission Bandwidth

802.11ax he20
Lowest Channel



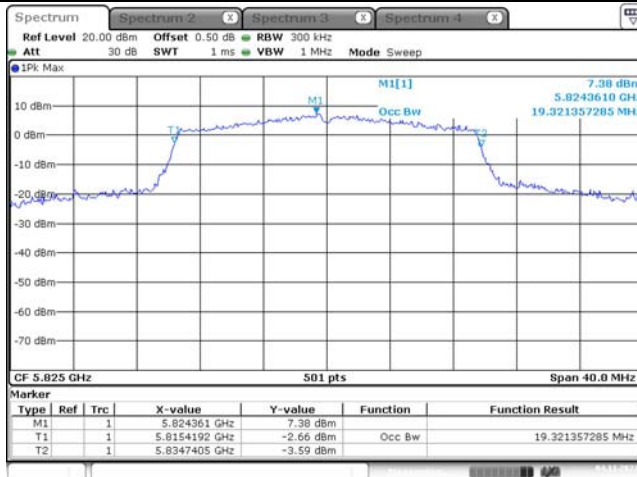
ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 14:36:03

802.11ax he20
Middle Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 14:36:58

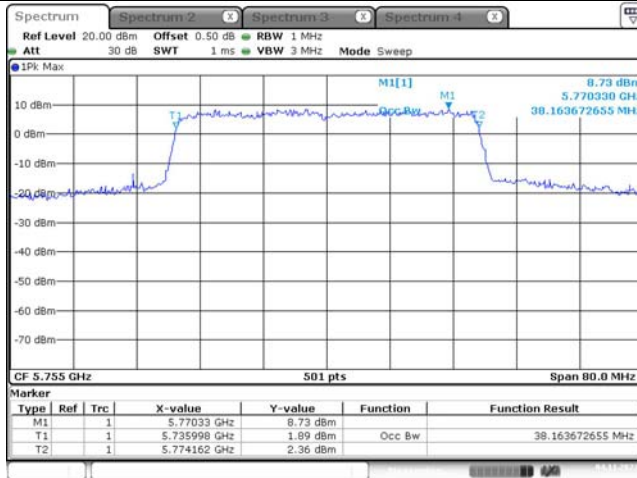
802.11ax he20
Highest Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 14:38:12

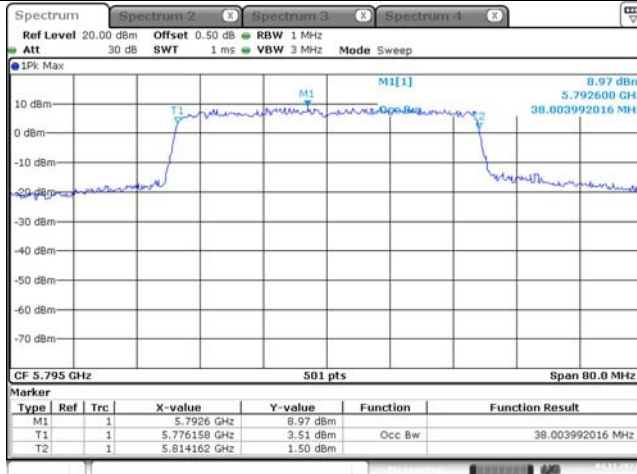
99% Emission Bandwidth

802.11ax he40
Lowest Channel



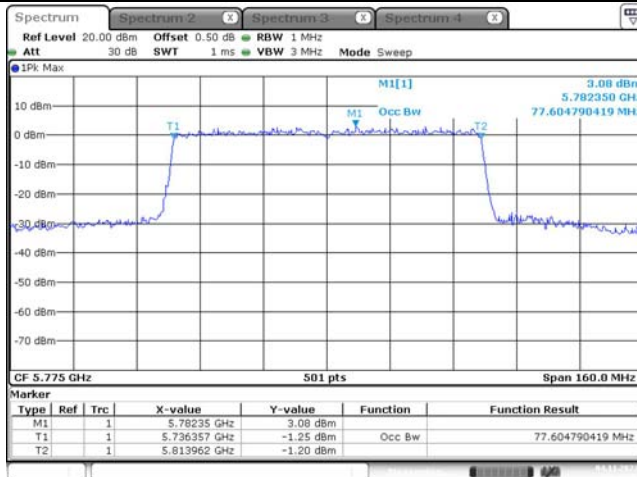
ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 14:39:25

802.11ax he40
Highest Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 14:40:30

802.11ax he80
Middle Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 14:41:43

4.4 Maximum Conducted Output Power:

Serial Number:	2BJM-12	Test Date:	2023/11/03
Test Site:	RF	Test Mode:	Transmitting
Tester:	Jou Zhou	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.6	Relative Humidity: (%)	62	ATM Pressure: (kPa)	100.7
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Anritsu	Power Meter	ML2495A	1106009	2023/8/4	2024/8/3
Anritsu	Pulse Power Sensor	MA2411A	10780	2023/8/4	2024/8/3
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	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)	Max. Conducted Average Output Power (dBm)			
		Chain 0	Chain 1	Total	Limit
802.11a	5180	15.57	12.54	/	24
	5200	15.84	13.39	/	24
	5240	15.74	13.35	/	24
802.11n ht20	5180	13.46	12.25	15.91	24
	5200	13.67	12.31	16.05	24
	5240	13.67	12.51	16.14	24
802.11n ht40	5190	11.83	11.69	14.77	24
	5230	11.93	11.71	14.83	24
802.11ac vht20	5180	12.48	12.82	15.66	24
	5200	12.61	12.91	15.77	24
	5240	12.81	12.78	15.81	24
802.11ac vht40	5190	10.94	10.26	13.62	24
	5230	13.42	13.91	16.68	24
802.11ac vht80	5210	13.72	13.47	16.61	24
802.11ax he20	5180	12.63	12.31	15.48	24
	5200	12.68	12.35	15.53	24
	5240	12.81	12.48	15.66	24
802.11ax he40	5190	10.18	9.45	12.84	24
	5230	14.81	14.78	17.81	24
802.11ax he80	5210	9.62	9.25	12.45	24
<p>Note: The device is a client device. The device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices: Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$</p>					
Antenna Gain:	2.6	dBi	Directional gain:	2.6	dBi

5725-5850 MHz:

Test Modes	Test Frequency (MHz)	Max. Conducted Average Output Power (dBm)			
		Chain 0	Chain 1	Total	Limit
802.11a	5745	12.37	11.84	/	30
	5785	12.28	11.39	/	30
	5825	12.32	11.82	/	30
802.11n ht20	5745	9.36	9.76	12.57	30
	5785	9.51	10.41	12.99	30
	5825	9.84	10.95	13.44	30
802.11n ht40	5755	9.01	8.86	11.95	30
	5795	9.24	9.32	12.29	30
802.11ac vht20	5745	11.71	11.87	14.80	30
	5785	11.46	12.97	15.29	30
	5825	11.87	13.32	15.67	30
802.11ac vht40	5755	13.55	11.65	15.71	30
	5795	13.72	12.13	16.01	30
802.11ac vht80	5775	9.75	9.86	12.82	30
802.11ax he20	5745	11.52	11.02	14.29	30
	5785	11.55	11.04	14.31	30
	5825	11.57	11.03	14.32	30
802.11ax he40	5755	11.06	10.62	13.86	30
	5795	11.25	11.05	14.16	30
802.11ax he80	5775	8.57	7.23	10.96	30
<p>Note: The device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices: Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$</p>					
Antenna Gain:	3.7	dB	Directional gain:	3.7	dB

4.5 Maximum power spectral density:

Serial Number:	2BJM-12	Test Date:	2023/11/04
Test Site:	RF	Test Mode:	Transmitting
Tester:	Jou Zhou	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	26.1	Relative Humidity: (%)	62	ATM Pressure: (kPa)	100.9
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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	2023/03/31	2024/03/30
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)	Reading (dBm/MHz)		Duty Cycle Factor (dB)	Maximum Power Spectral Density (dBm/MHz)	
		Chain 0	Chain 1		Result	Limit
802.11a	5180	4.17	4.65	0.19	4.84	11
	5200	4.19	4.74	0.19	4.93	11
	5240	3.93	4.56	0.19	4.75	11
802.11n ht20	5180	2.26	1.85	1.86	6.93	11
	5200	2.48	1.83	1.86	7.04	11
	5240	2.9	1.54	1.86	7.14	11
802.11n ht40	5190	-1.45	-2.32	2.62	3.77	11
	5230	-2.8	-2.97	2.62	2.74	11
802.11ac vht20	5180	4.98	4.86	0	7.93	11
	5200	4.38	4.87	0	7.64	11
	5240	4	4.59	0	7.32	11
802.11ac vht40	5190	-0.04	-0.37	0	2.81	11
	5230	0.06	1.59	0	3.90	11
802.11ac vht80	5210	0.32	0.16	0	3.25	11
802.11ax he20	5180	3.36	2.87	0.19	6.32	11
	5200	2.83	2.96	0.19	6.09	11
	5240	3.06	2.9	0.19	6.18	11
802.11ax he40	5190	-3.95	-4.43	0	-1.17	11
	5230	-4.16	-4.12	0	-1.13	11
802.11ax he80	5210	-7.34	-7.51	0.18	-4.24	11

Note:

The device is a client device.

The device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power spectral density (PSD) measurements on the devices: Array Gain = $10 \log(N_{ANT}/N_{SS})$ dB

Method SA-1 in KDB 789033 D02 General UNII Test Procedures New Rules v02r01 was used for 802.11 ac vht20/40/80/ax he40 modes PSD test.

Method SA-2 in KDB 789033 D02 General UNII Test Procedures New Rules v02r01 was used for 802.11 a/n ht20/40/ax he20/80 modes PSD test.

Antenna Gain:	2.6	dB	Directional gain:	5.60	dB
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5725-5850 MHz:

Test Modes	Test Frequency (MHz)	Reading (dBm/500kHz)		Duty Cycle Factor (dB)	Maximum Power Spectral Density (dBm/500kHz)	
		Chain 0	Chain 1		Result	Limit
802.11a	5745	1.31	0.01	0.19	1.50	29.3
	5785	1.24	0.77	0.19	1.43	29.3
	5825	1.52	0.85	0.19	1.71	29.3
802.11n ht20	5745	-2.25	-5.7	1.86	1.23	29.3
	5785	-2.2	-5.63	1.86	1.29	29.3
	5825	-2.15	-5.18	1.86	1.47	29.3
802.11n ht40	5755	-6.15	-8.51	2.62	-1.54	29.3
	5795	-5.87	-8.34	2.62	-1.30	29.3
802.11ac vht20	5745	2.01	-1.07	0	3.75	29.3
	5785	2.12	-1.02	0	3.84	29.3
	5825	2.25	-0.52	0	4.09	29.3
802.11ac vht40	5755	-1.55	-1.25	0	1.61	29.3
	5795	-1.14	-0.62	0	2.14	29.3
802.11ac vht80	5775	-5.84	-8.23	0	-3.86	29.3
802.11ax he20	5745	-0.66	-3.21	0.19	1.45	29.3
	5785	-0.28	-2.62	0.19	1.90	29.3
	5825	-0.13	-2.52	0.19	2.03	29.3
802.11ax he40	5755	-5.64	-7.76	0	-3.56	29.3
	5795	-5.11	-7.11	0	-2.99	29.3
802.11ax he80	5775	-11.98	-13.17	0.18	-9.35	29.3

Note:

The device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power spectral density (PSD) measurements on the devices: Array Gain = $10 \log(N_{ANT}/N_{SS})$ dB

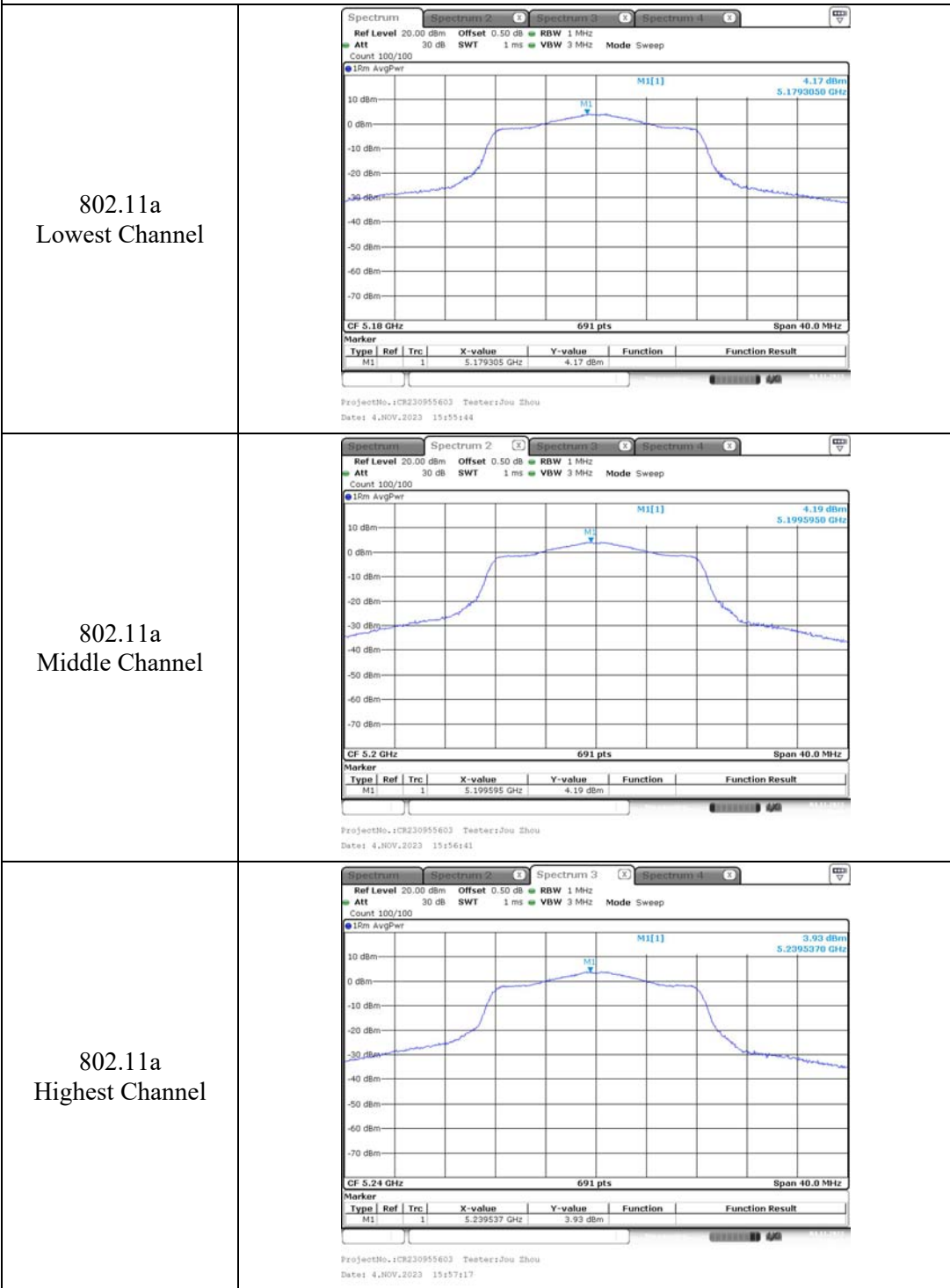
Method SA-1 in KDB 789033 D02 General UNII Test Procedures New Rules v02r01 was used for 802.11 ac vht20/40/80/ax he40 modes PSD test.

Method SA-2 in KDB 789033 D02 General UNII Test Procedures New Rules v02r01 was used for 802.11 a/n ht20/40/ax he20/80 modes PSD test.

Antenna Gain:	3.7	dBi	Directional gain:	6.7	dBi
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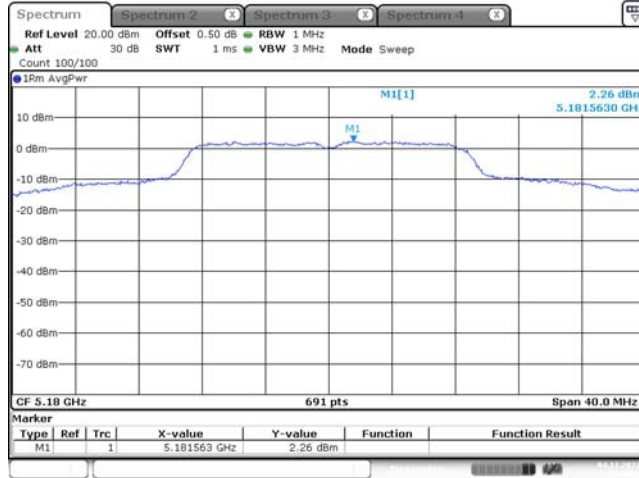
5150-5250MHz:
Chain 0

Maximum power spectral density



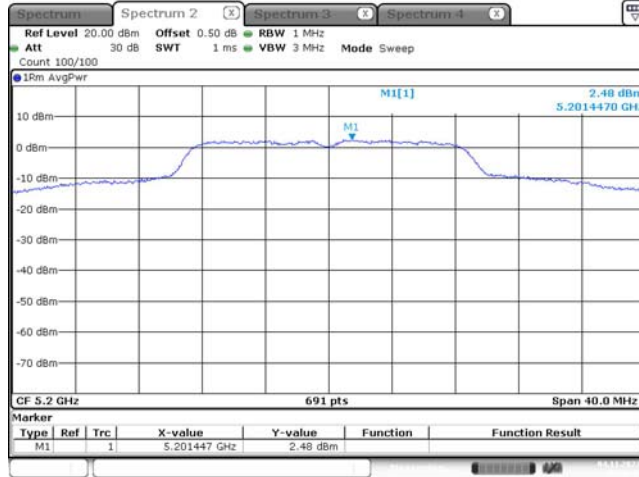
Maximum power spectral density

802.11n ht20
Lowest Channel



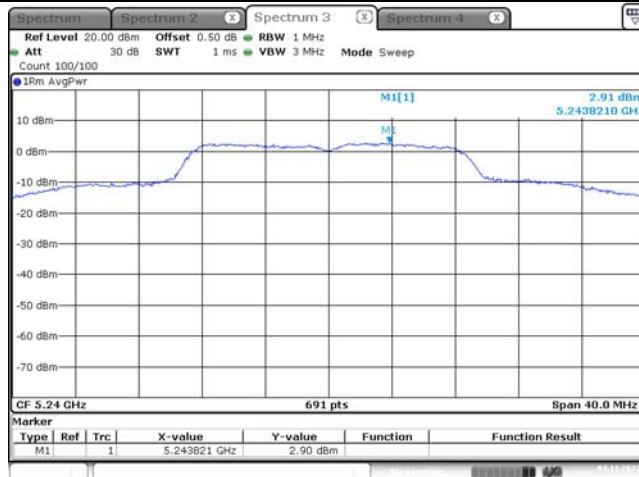
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Date: 4.NOV.2023 15:58:03

802.11n ht20
Middle Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 15:58:44

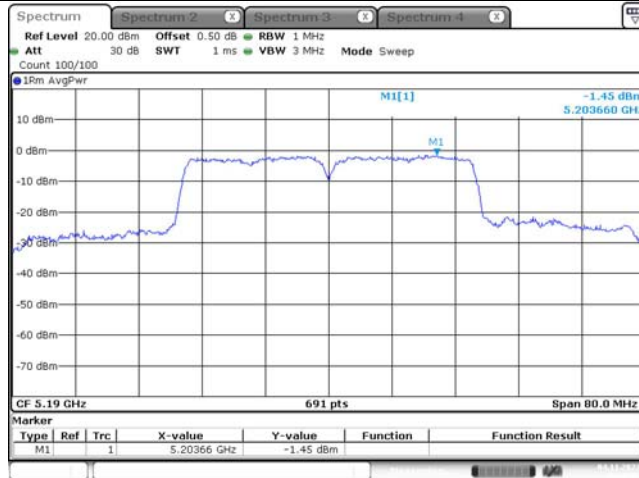
802.11n ht20
Highest Channel



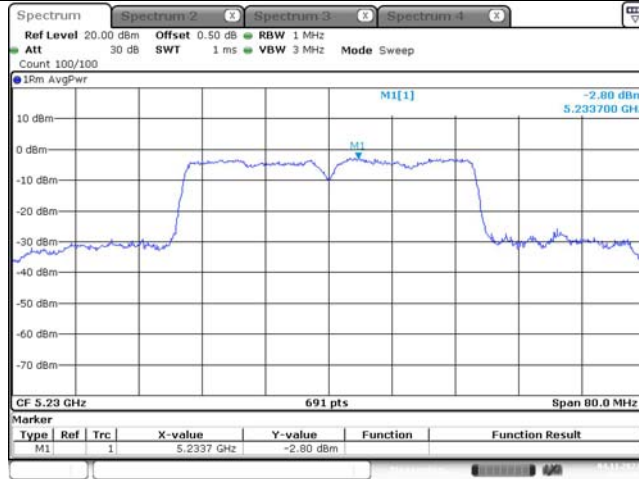
ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 15:59:21

Maximum power spectral density

802.11n ht40
Lowest Channel

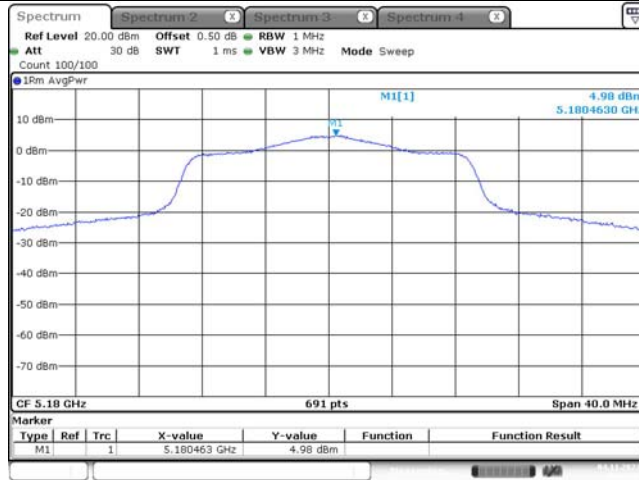


802.11n ht40
Highest Channel



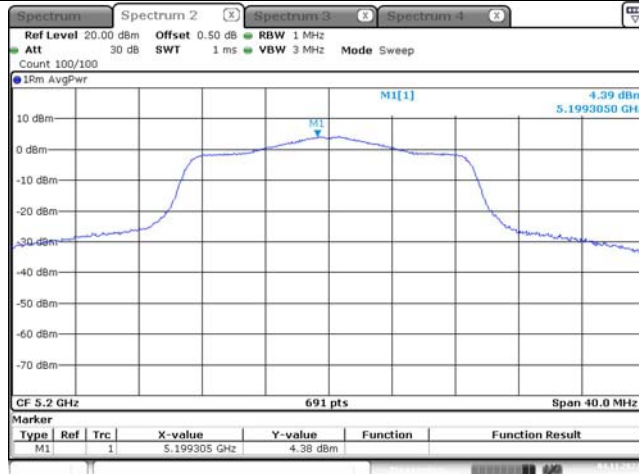
Maximum power spectral density

802.11ac vht20
Lowest Channel



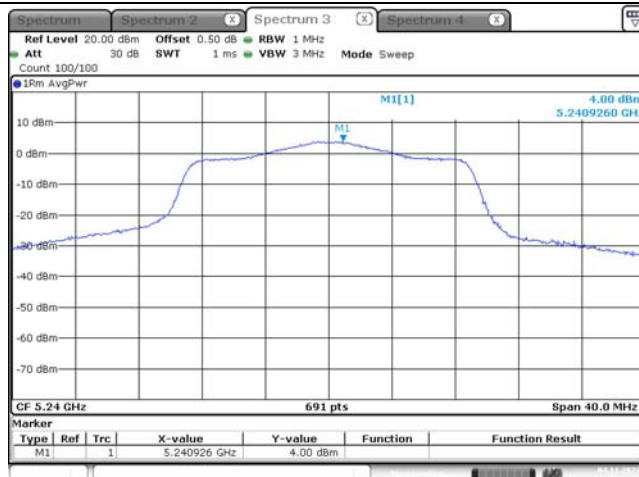
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802.11ac vht20
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ProjectNo.:CR230955603 Tester:Jou Zhou
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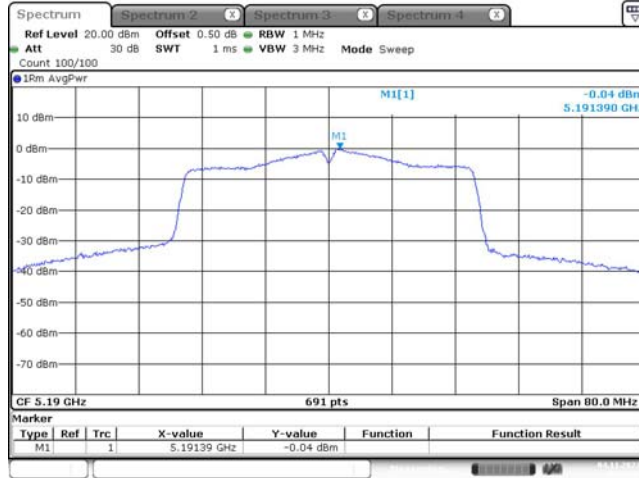
802.11ac vht20
Highest Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
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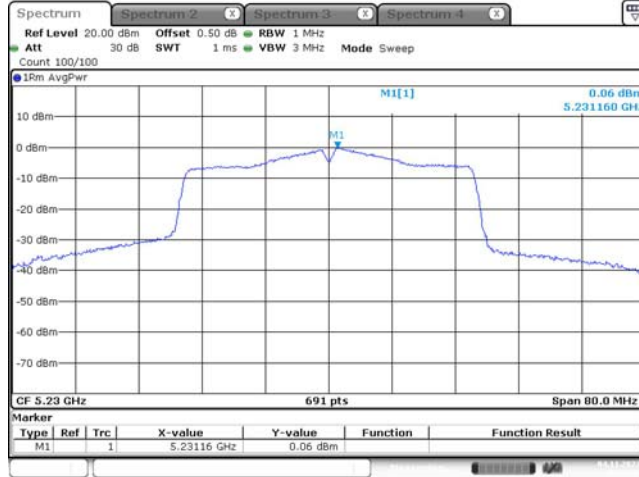
Maximum power spectral density

802.11ac vht40
Lowest Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 16:11:51

802.11ac vht40
Highest Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 16:12:33

802.11ac vht80
Middle Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 16:13:29

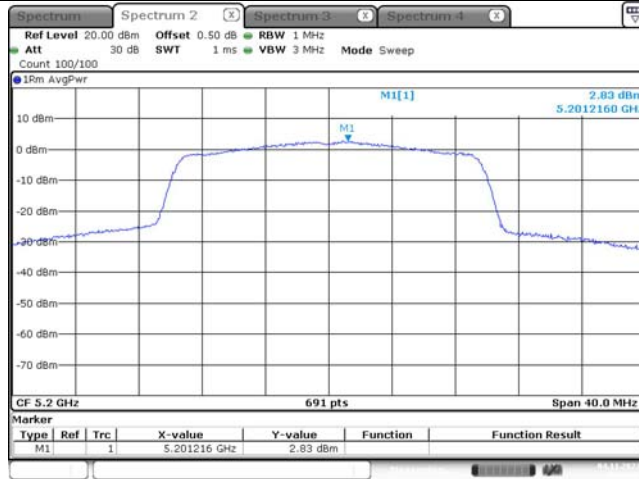
Maximum power spectral density

802.11ax he20
Lowest Channel



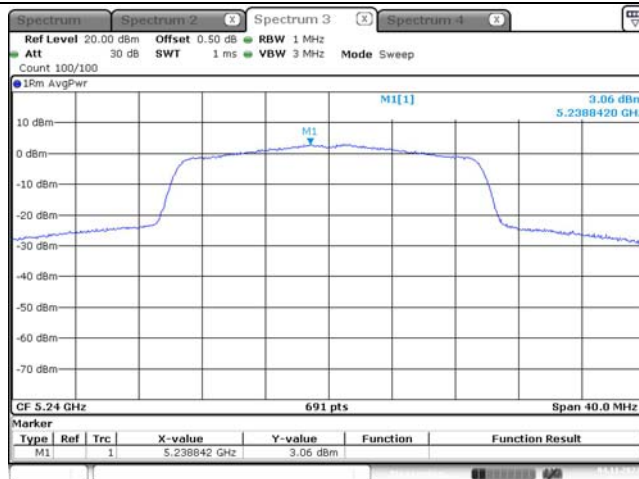
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802.11ax he20
Middle Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 16:16:23

802.11ax he20
Highest Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 16:18:22

Maximum power spectral density

802.11ax he40
Lowest Channel



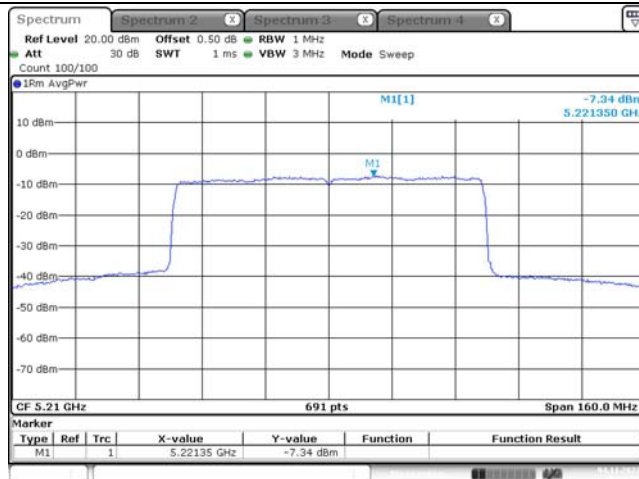
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Date: 4.NOV.2023 16:19:40

802.11ax he40
Highest Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
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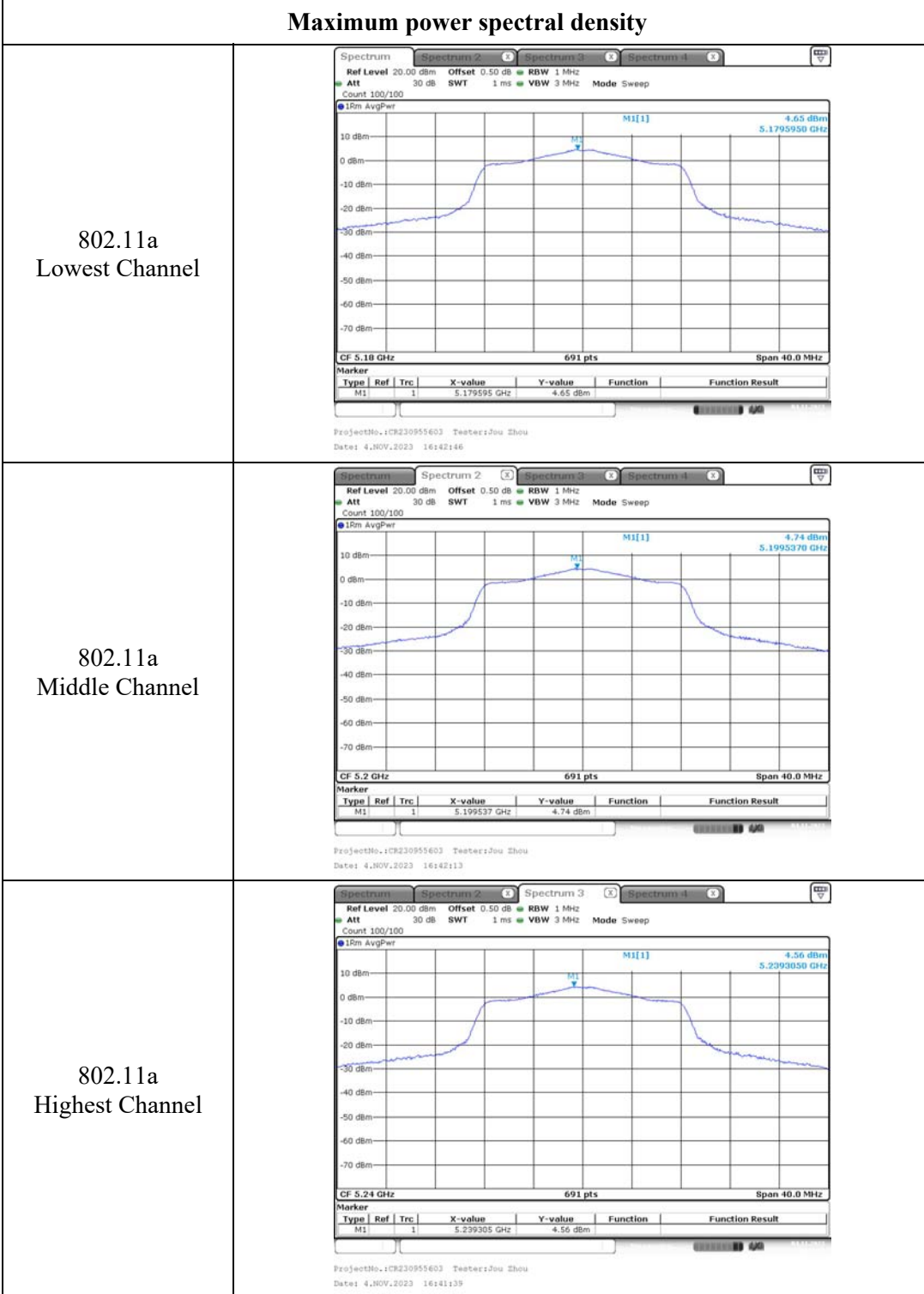
802.11ax he80
Middle Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 16:22:13

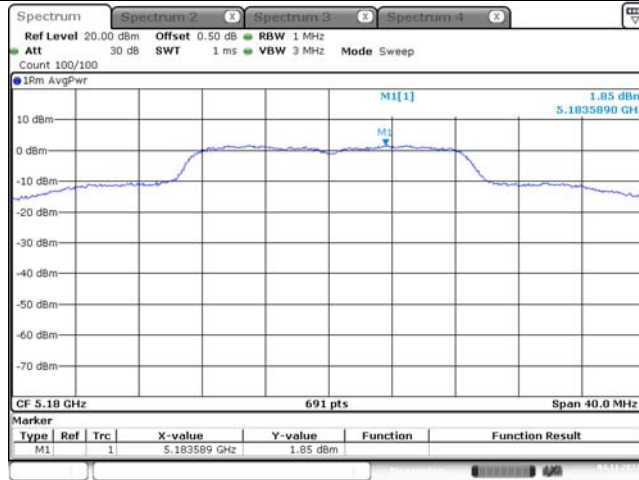
Chain 1

Maximum power spectral density



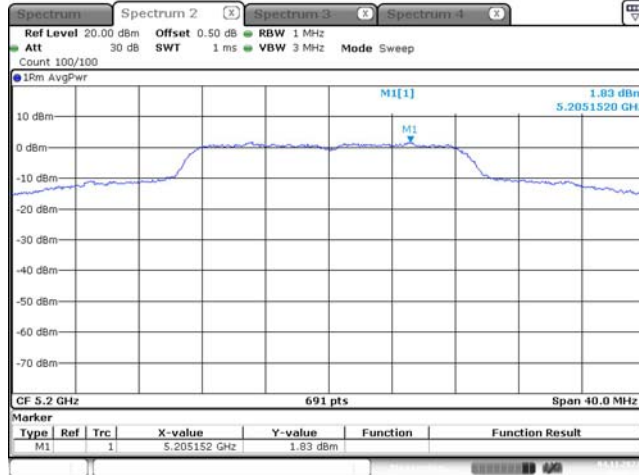
Maximum power spectral density

802.11n ht20
Lowest Channel



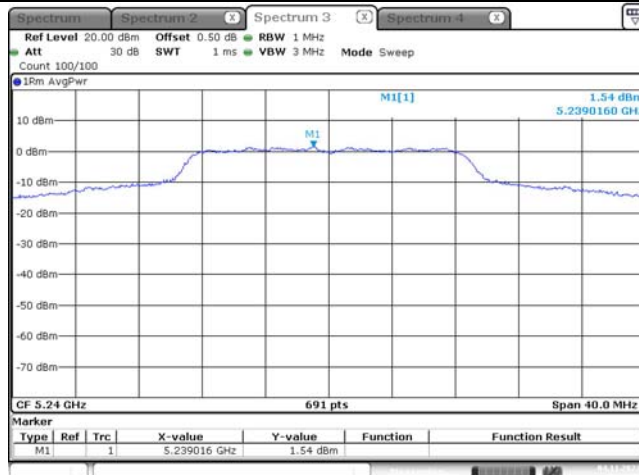
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802.11n ht20
Middle Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
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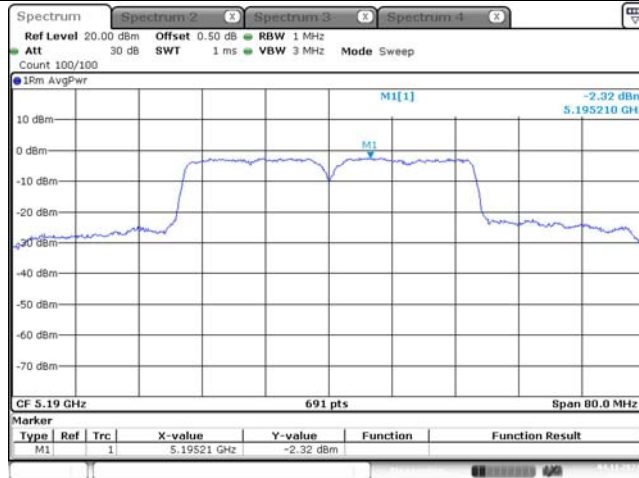
802.11n ht20
Highest Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
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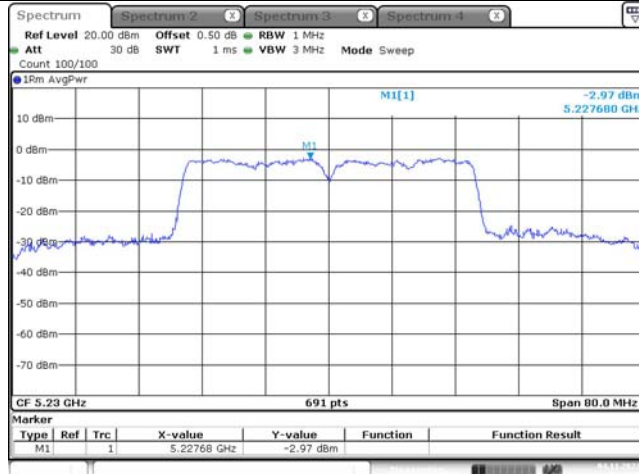
Maximum power spectral density

802.11n ht40
Lowest Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 16:38:22

802.11n ht40
Highest Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
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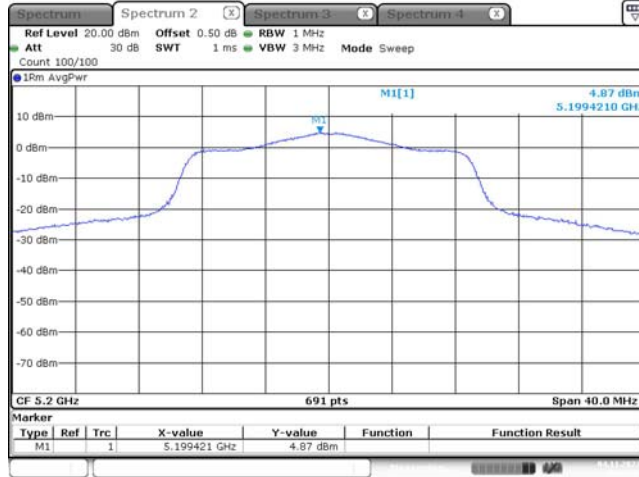
Maximum power spectral density

802.11ac vht20
Lowest Channel



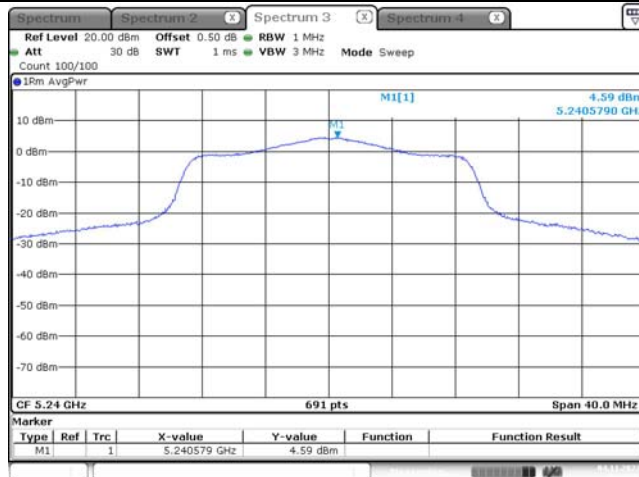
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802.11ac vht20
Middle Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
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802.11ac vht20
Highest Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
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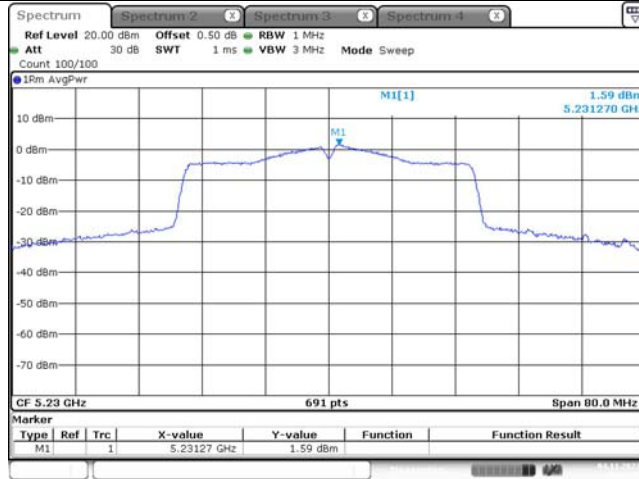
Maximum power spectral density

802.11ac vht40
Lowest Channel



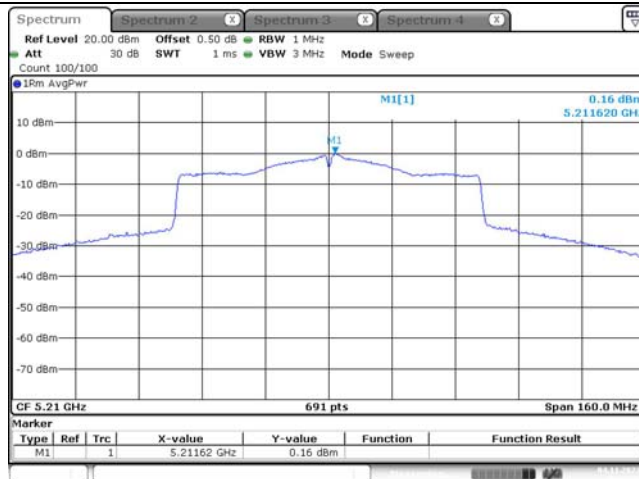
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802.11ac vht40
Highest Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
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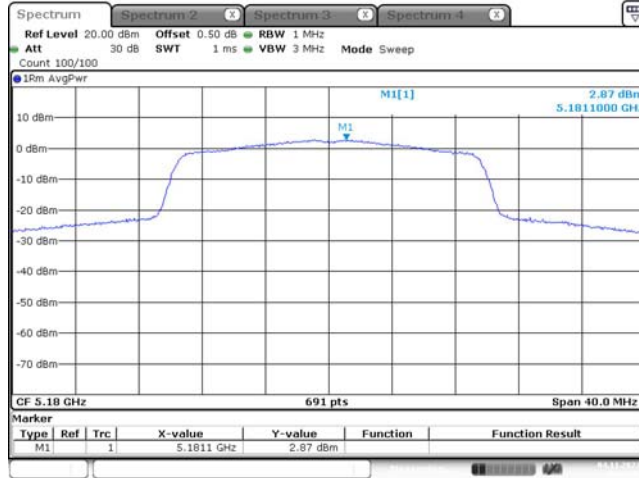
802.11ac vht80
Middle Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
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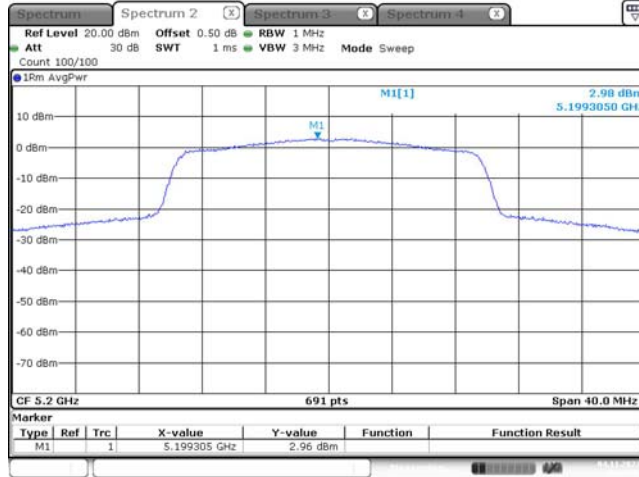
Maximum power spectral density

802.11ax he20
Lowest Channel



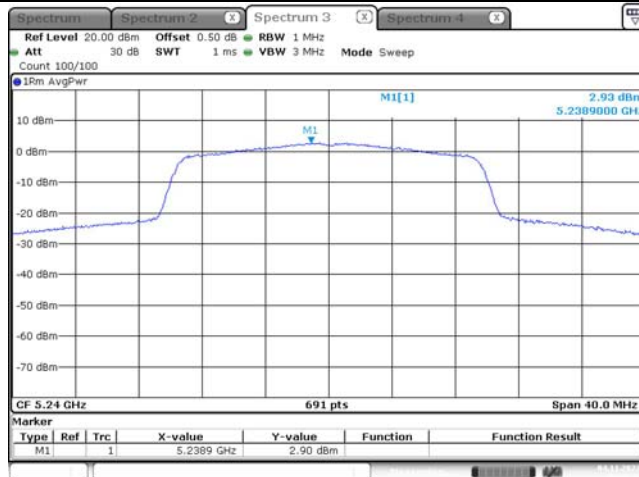
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802.11ax he20
Middle Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 16:29:00

802.11ax he20
Highest Channel



ProjectNo.:CR230955603 Tester:Jou Zhou
Date: 4.NOV.2023 16:28:20