



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



TEST REPORT

Applicant: Hytera Communications Corporation Limited

Address: Hytera Tower, Hi-Tech Industrial Park North, 9108# Beihuan Road, Nanshan District, Shenzhen, 518057 China

FCC ID: YAMZCSHYT56

Product Name: Portable Integrated Docking Station

**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 equipment has been tested and found compliance with the requirement of the relative standards by China Certification ICT Co., Ltd (Dongguan)

Report Number: CR21110032-00C

Date Of Issue: 2022-01-10

Reviewed By: Sun Zhong

Sun Zhong

Title: Manager

Test Laboratory: China Certification ICT Co., Ltd (Dongguan)
No. 113, Pingkang Road, Dalang Town, Dongguan,
Guangdong, China
Tel: +86-769-82016888

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

China Certification ICT Co., Ltd (Dongguan) is not responsible for the authenticity of any test data provided by the applicant. Data included from the applicant that may affect test results are marked with a triangle symbol “▲”. Customer model name, addresses, names, trademarks etc. are not considered data.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

This report cannot be reproduced except in full, without prior written approval of the Company.

This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.

This report may contain data that are not covered by the accreditation scope and shall be marked with an asterisk “★”.

CONTENTS

TEST FACILITY	2
DECLARATIONS.....	2
1. GENERAL INFORMATION	5
1.1 PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT)	5
1.2 DESCRIPTION OF TEST CONFIGURATION.....	8
1.2.2 Support Equipment List and Details	8
1.2.3 Support Cable List and Details	8
1.2.4 Block Diagram of Test Setup.....	9
1.3 MEASUREMENT UNCERTAINTY	11
2. SUMMARY OF TEST RESULTS	12
3. REQUIREMENTS AND TEST PROCEDURES	13
3.1 AC LINE CONDUCTED EMISSIONS.....	13
3.1.1 Applicable Standard.....	13
3.1.2 EUT Setup.....	14
3.1.3 EMI Test Receiver Setup	14
3.1.4 Test Procedure	15
3.1.5 Corrected Amplitude & Margin Calculation.....	15
3.2 RADIATION SPURIOUS EMISSIONS.....	16
3.2.1 Applicable Standard.....	16
3.2.2 EUT Setup.....	17
3.2.3 EMI Test Receiver & Spectrum Analyzer Setup	18
3.2.4 Test Procedure	18
3.2.5 Corrected Amplitude & Margin Calculation.....	19
3.3 EMISSION BANDWIDTH:	20
3.3.1 Applicable Standard.....	20
3.3.2 EUT Setup.....	20
3.3.3 Test Procedure	20
3.4 MAXIMUM CONDUCTED OUTPUT POWER:.....	22
3.4.1 Applicable Standard.....	22
3.4.2 EUT Setup.....	22
3.4.3 Test Procedure	22
3.5 MAXIMUM POWER SPECTRAL DENSITY:	23
3.5.1 Applicable Standard.....	23
3.5.2 EUT Setup.....	23
3.5.3 Test Procedure	23
3.7 DUTY CYCLE:.....	24
3.7.1 EUT Setup.....	24
3.7.2 Test Procedure	24
3.8 ANTENNA REQUIREMENT.....	25
3.8.1 Applicable Standard.....	25
3.8.2 Judgment.....	25

4. Test DATA AND RESULTS	26
4.1 AC LINE CONDUCTED EMISSIONS.....	26
4.2 RADIATION SPURIOUS EMISSIONS.....	29
4.3 EMISSION BANDWIDTH:	49
4.4 MAXIMUM CONDUCTED OUTPUT POWER:	77
4.5 MAXIMUM POWER SPECTRAL DENSITY:	80
4.6 DUTY CYCLE:.....	96
5. RF EXPOSURE EVALUATION	98
5.1 MAXIMUM PERMISSIBLE EXPOSURE (MPE)	98
5.1.1 APPLICABLE STANDARD.....	98
5.1.2 PROCEDURE.....	98
5.1.3 CALCULATED RESULT	98

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

1.1.1 General:

EUT Name:	Portable Integrated Docking Station
Test Model:	ZCS-HYT56
Multiple Models:	EDS30
Operation Frequency:	5180-5240 MHz (802.11a/n ht20/ac vht20) 5190-5230 MHz(802.11n ht40/ac vht40) 5210 MHz(802.11ac vht80) 5260-5320 MHz (802.11a/n ht20/ac vht20) 5270-5310 MHz(802.11n ht40/ac vht40) 5290 MHz(802.11ac vht80) 5500-5700 MHz (802.11a/n ht20/ac vht20) 5510-5670 MHz(802.11n ht40/ac vht40) 5530-5610 MHz(802.11ac vht80) 5745-5825 MHz (802.11a/n ht20/ac vht20) 5755-5795 MHz(802.11n ht40/ac vht40) 5775 MHz(802.11ac vht80)
Maximum Average Output Power (Conducted):	13.82 dBm (5150-5250 MHz) 13.65 dBm (5250-5350 MHz) 12.36 dBm (5470-5725 MHz) 13.66 dBm (5725-5850 MHz)
Modulation Type:	OFDM
Rated Input Voltage:	AC 120V
Serial Number:	CR21110032-RF-S1
EUT Received Date:	2021.11.29
EUT Received Status:	Good
Note: The Multiple Model(s) are identical with Test Model, please refer to the Declaration of Similar Letter for more detail, which was provided by manufacturer.	

1.1.2 Operation Frequency Detail:

For 802.11a/n ht20/ac vht20:

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

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

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

For 802.11n ht40/ac vht40:

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

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

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

For 802.11ac vht80:

5150-5250MHz Band		5250-5350 MHz Band		5470-5725 MHz Band		5725-5850MHz Band	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
42	5210	58	5290	106	5530	155	5775
/	/	/	/	122	5610	/	/

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

Test Channel	Test Frequency (MHz)			
	5150-5250MHz Band	5250-5350 MHz Band	5470-5725 MHz Band	5725-5850MHz Band
Lowest	/	/	5530	/
Middle	5210	5290	5610	5775
Highest	/	/	/	/

1.1.3 Antenna Information Detail▲:

Antenna Manufacturer	Antenna Type	input impedance (Ohm)	Antenna Gain /Frequency Range	§15.203 Requirement
Hytera Communications Corporation Limited	Dipole	50	0 dBi/ 5.15~5.85GHz	Compliance
The Method of §15.203 Compliance: <input type="checkbox"/> Antenna must be permanently attached to the unit. <input checked="" type="checkbox"/> Antenna must use a unique type of connector to attach to the EUT. <input type="checkbox"/> Unit must be professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.				

1.1.4 Accessory Information:

No.

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:	DRTU

The software " DRTU "was provided by manufacturer. The maximum power was configured as below, that was provided by the manufacturer ▲ :

Frequency Band	Test Modes	Data Rate	Power Level Setting		
			Lowest Channel	Middle Channel	Highest Channel
5150-5250 MHz	802.11a	6Mbps	default	default	default
	802.11n ht20	MCS0	default	default	default
	802.11n ht40	MCS0	default	/	default
	802.11ac vht80	MCS0	/	default	/
5250-5350 MHz	802.11a	6Mbps	default	default	default
	802.11n ht20	MCS0	default	default	default
	802.11n ht40	MCS0	default	/	default
	802.11ac vht80	MCS0	/	default	/
5470-5725 MHz	802.11a	6Mbps	default	default	default
	802.11n ht20	MCS0	default	default	default
	802.11n ht40	MCS0	default	default	default
	802.11ac vht80	MCS0	default	default	/
5725-5850 MHz	802.11a	6Mbps	default	default	default
	802.11n ht20	MCS0	default	default	default
	802.11n ht40	MCS0	default	/	default
	802.11ac vht80	MCS0	/	default	/

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 system support 802.11a/n ht20/n ht40/ac vht20/ac vht40/ac vht80, the vht20/vht40 were reduced since the identical parameters with 802.11n ht20 and ht40.

1.2.2 Support Equipment List and Details

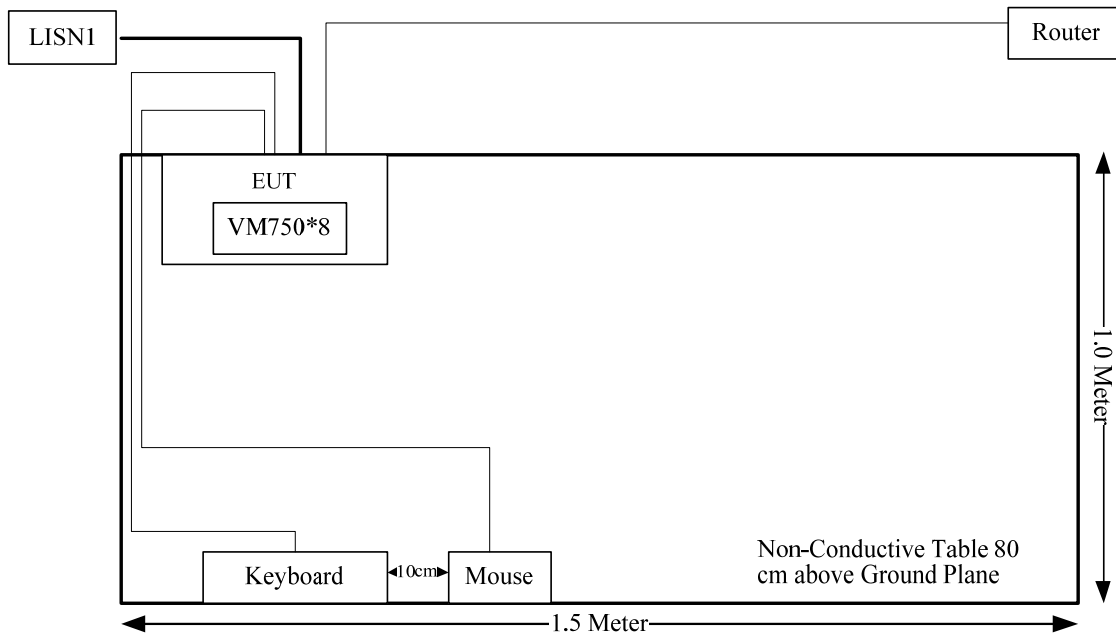
Manufacturer	Description	Model	Serial Number
PHILIPS	Keyboard	SPK6234	K234210510742
PHILIPS	Mouse	SPK7214	M214BQ210411113
TOTOLINK	Wireless Router	LR1200	LR1200155P00167
Hytera	Body Worn Camera	VM750	CR21110032-RF-F1~8

1.2.3 Support Cable List and Details

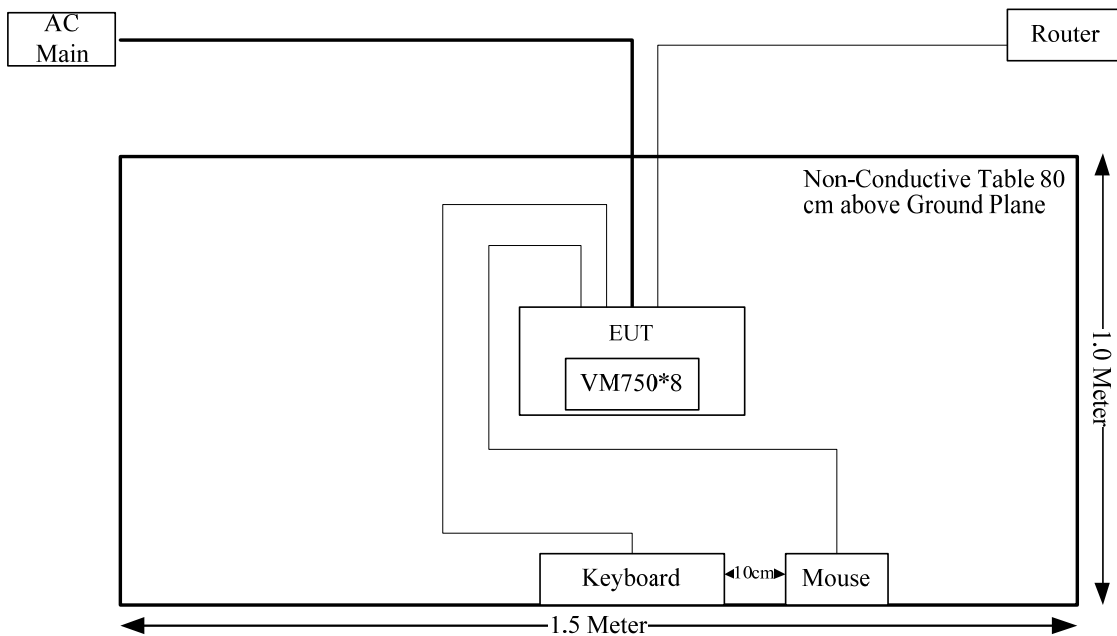
Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
RJ45 Cable	No	No	10	EUT	Router
USB Cable	Yes	No	1.8	EUT	Mouse
USB Cable	Yes	No	1.8	EUT	Keyboard

1.2.4 Block Diagram of Test Setup

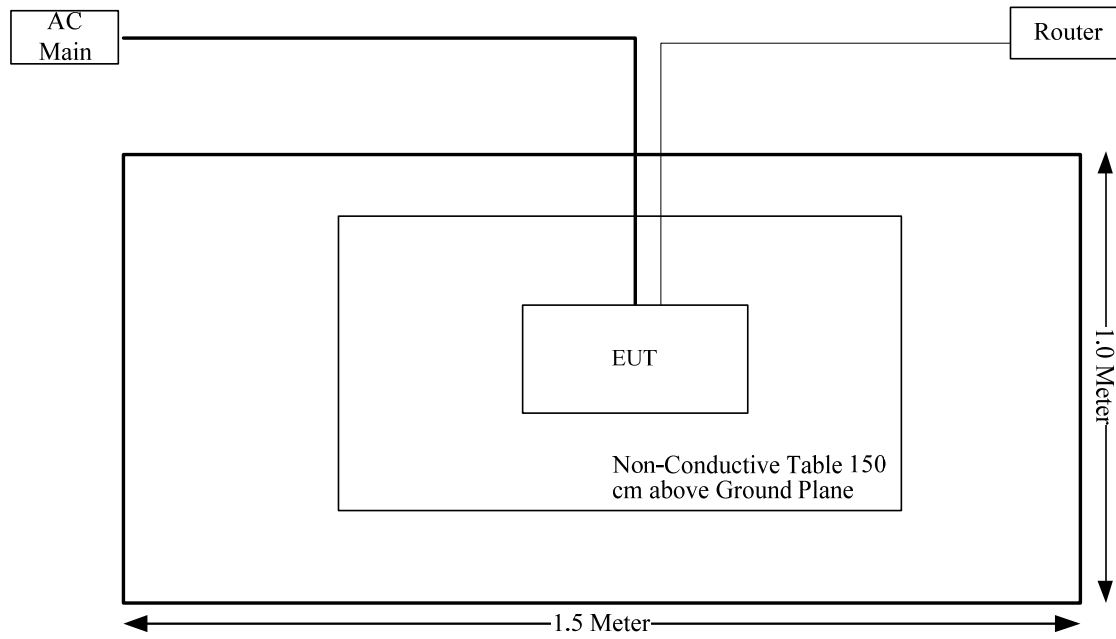
AC line conducted emissions:



Spurious Emissions:
Below 1GHz:



Above 1GHz:



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
FCC§15.207(a)	AC line conducted emissions	Compliance
FCC§15.205& §15.209 &§15.407(b)	Undesirable Emission& Restricted Bands	Compliance
FCC§15.407(h) (e)	Emission Bandwidth	Compliance
FCC§15.407(a)	Conducted Transmitter Output Power	Compliance
FCC§15.407 (a)	Power Spectral Density	Compliance
FCC§15.203	Antenna Requirement	Compliance
FCC §15.407 (f) & §1.1310 & §2.1091	Maximum Permissible Exposure (MPE)	Compliance

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:

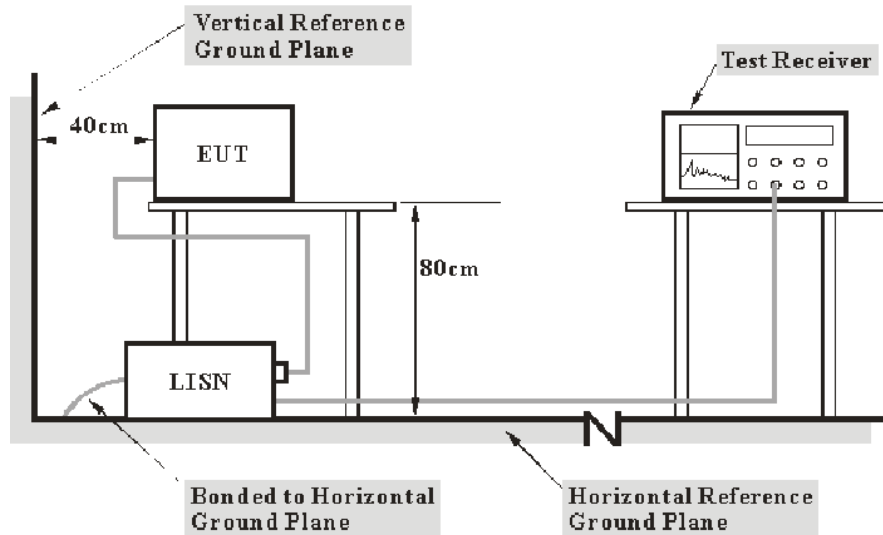
(1) For carrier current system containing their fundamental emission within the frequency band 535-1705 kHz and intended to be received using a standard AM broadcast receiver: no limit on conducted emissions.

(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.

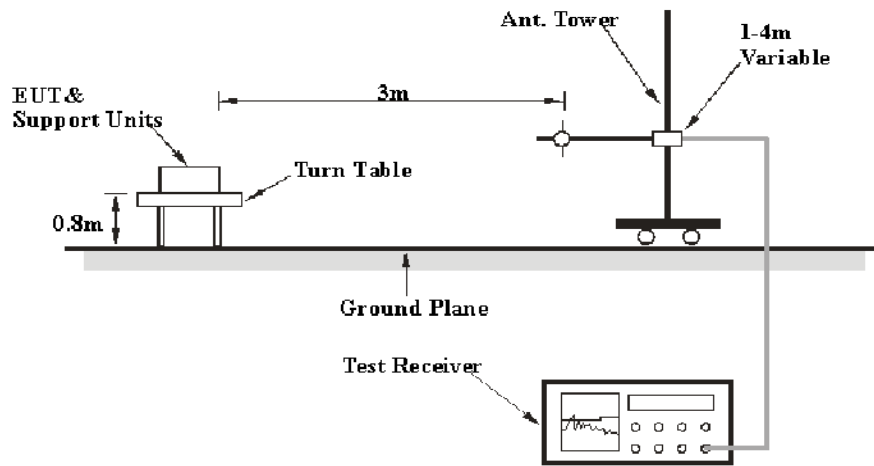
(10) The provisions of § 15.205 apply to intentional radiators operating under this section.

(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.

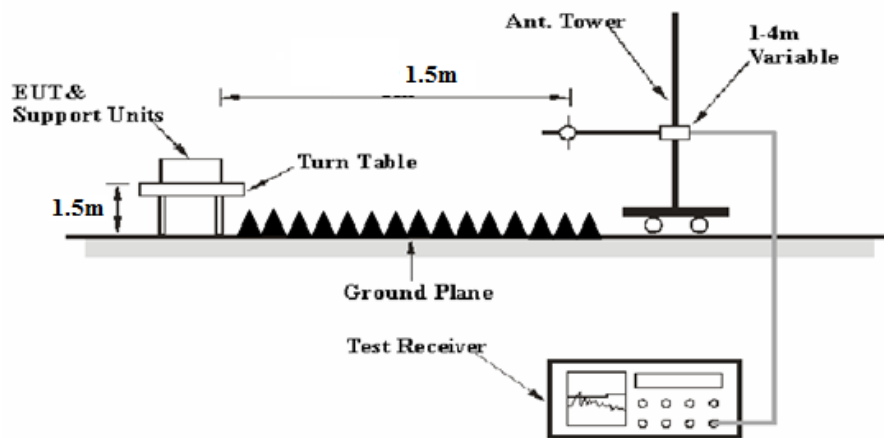
(c) The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signalling information or the use of repetitive codes used by certain digital technologies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

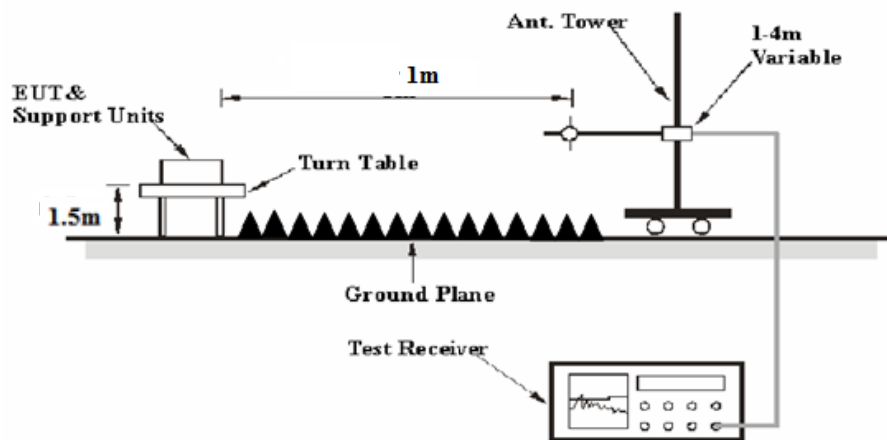
Below 1GHz:



1-26.5 GHz:



26.5-40 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:

30-1000MHz:

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

1GHz- 40GHz:

Measurement	Duty cycle	RBW	Video B/W
PK	Any	1MHz	3 MHz
Ave.	>98%	1MHz	10 Hz
	<98%	1MHz	1/T

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 or 1m

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

Distance extrapolation Factor = $20 \log(\text{specific distance [3m]}/\text{test distance [1m]})$ dB= 9.54 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:

$$\text{Factor} = \text{Antenna Factor} + \text{Cable Loss} - \text{Amplifier Gain}$$

For 30MHz-1GHz:

$$\text{Result} = \text{Reading} + \text{Factor}$$

For 1GHz-40GHz

$$\text{Result} = \text{Reading} + \text{Factor} - \text{Distance extrapolation Factor}$$

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:

$$\text{Margin} = \text{Limit} - \text{Result}$$

3.3 Emission Bandwidth:

3.3.1 Applicable Standard

FCC §15.407 (h)

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

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%.

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).

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.

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.

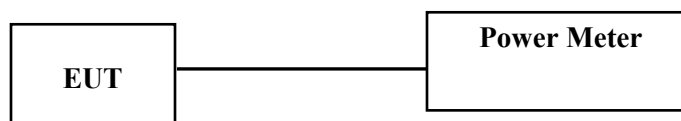
FCC §15.407(a) (2)

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 11.9.1.3

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.

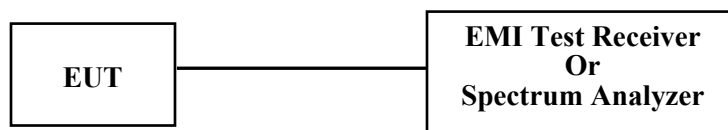
FCC §15.407(a) (2)

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

Method SA-3 (power averaging (rms) detection with max hold):

- (i) Set span to encompass the entire EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal.
- (ii) Set sweep trigger to “free run.”
- (iii) Set RBW = 1 MHz.
- (iv) Set VBW \geq 3 MHz
- (v) Number of points in sweep $\geq 2 \times \text{span} / \text{RBW}$. (This ensures that bin-to-bin spacing is $\leq \text{RBW}/2$, so

that narrowband signals are not lost between frequency bins.)

(vi) Sweep time \leq (number of points in sweep) $\times T$, where T is defined in II.B.1.a).

Note: If this results in a sweep time less than the auto sweep time of the analyzer, Method SA-3

Alternative shall not be used. (The purpose of this step is to ensure that averaging time in each bin is less than or equal to the minimum time of a transmission.)

(vii) Detector = power averaging (rms).

(viii) Trace mode = max hold.

(ix) Allow max hold to run for at least 60 seconds, or longer as needed to allow the trace to stabilize.

For devices operating in the band 5.725–5.85 GHz, the rules specify a measurement bandwidth of 500 kHz. Many spectrum analyzers do not have 500 kHz RBW, thus a narrower RBW may need to be used.

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

Please refer to the Antenna Information detail in Section 1.

4. Test DATA AND RESULTS

4.1 AC Line Conducted Emissions

Serial Number:	CR21110032-RF-S1	Test Date:	2021-12-10
Test Site:	CE	Test Mode:	Transmitting (802.11a 5785MHz was the worst)
Tester:	Nick Tang	Test Result:	Pass

Environmental Conditions:

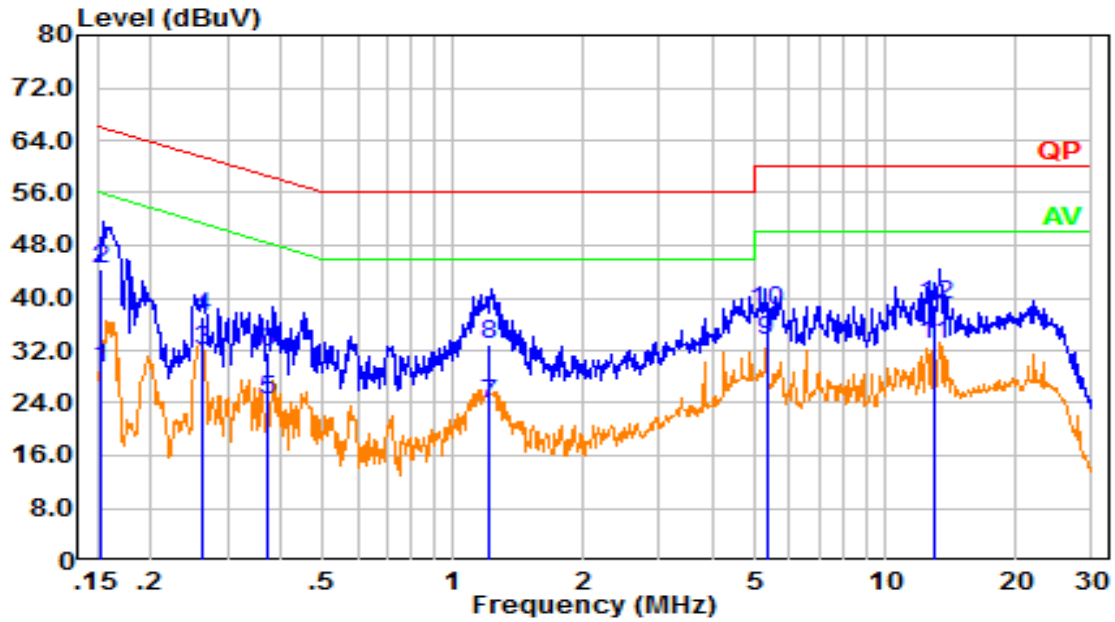
Temperature: (°C)	21.4	Relative Humidity: (%)	58	ATM Pressure: (kPa)	101.6
----------------------	------	------------------------------	----	------------------------	-------

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	LISN	ENV216	101134	2021-04-25	2022-04-24
R&S	EMI Test Receiver	ESR3	102726	2021-07-22	2022-07-21
MICRO-COAX	Coaxial Cable	UTIFLEX	C-0200-01	2021-08-08	2022-08-07
Audix	Test Software	E3	190306 (V9)	N/A	N/A

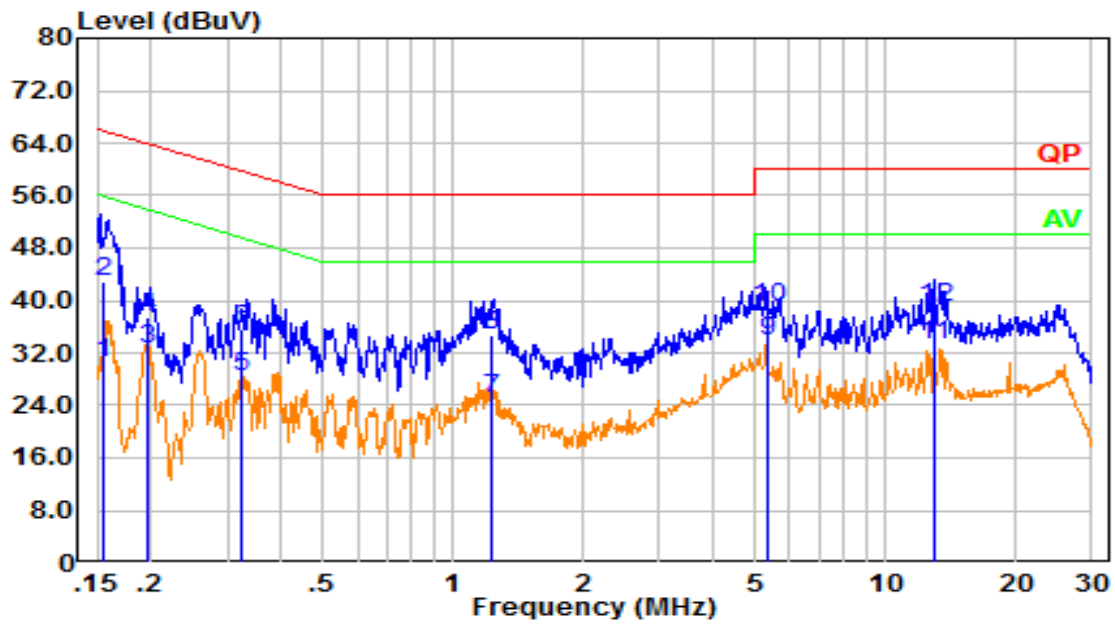
* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Line:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.153	19.74	9.61	29.35	55.83	26.48	Average
2	0.153	34.78	9.61	44.39	65.83	21.44	QP
3	0.263	22.46	9.61	32.07	51.33	19.26	Average
4	0.263	27.66	9.61	37.27	61.33	24.06	QP
5	0.372	14.92	9.61	24.53	48.46	23.93	Average
6	0.372	22.20	9.61	31.81	58.46	26.66	QP
7	1.206	14.13	9.62	23.76	46.00	22.24	Average
8	1.206	23.39	9.62	33.01	56.00	22.99	QP
9	5.304	23.95	9.66	33.61	50.00	16.39	Average
10	5.304	28.45	9.66	38.11	60.00	21.89	QP
11	12.941	23.28	9.68	32.96	50.00	17.04	Average
12	12.941	29.13	9.68	38.81	60.00	21.19	QP

Neutral:



No.	Frequency (MHz)	Reading (dBUV)	Factor (dB)	Result (dBUV)	Limit (dBUV)	Margin (dB)	Detector
1	0.154	20.79	9.61	30.40	55.77	25.37	Average
2	0.154	33.20	9.61	42.81	65.77	22.96	QP
3	0.196	22.87	9.61	32.48	53.78	21.31	Average
4	0.196	27.84	9.61	37.45	63.78	26.33	QP
5	0.325	18.73	9.61	28.34	49.57	21.23	Average
6	0.325	26.01	9.61	35.62	59.57	23.95	QP
7	1.230	15.53	9.62	25.15	46.00	20.85	Average
8	1.230	25.12	9.62	34.74	56.00	21.26	QP
9	5.311	24.05	9.66	33.71	50.00	16.29	Average
10	5.311	29.23	9.66	38.89	60.00	21.11	QP
11	12.977	23.44	9.68	33.12	50.00	16.88	Average
12	12.977	29.19	9.68	38.87	60.00	21.13	QP

4.2 Radiation Spurious Emissions

Serial Number:	CR21110032-RF-S1	Test Date:	2021-12-22~2021-12-30
Test Site:	966-1,966-2	Test Mode:	Transmitting
Tester:	Carl Liang, Great Qiao	Test Result:	Pass

Environmental Conditions:					
Temperature: (°C)	22.3~22.9	Relative Humidity: (%)	51	ATM Pressure: (kPa)	101.1~101.6

Test Equipment List and Details:

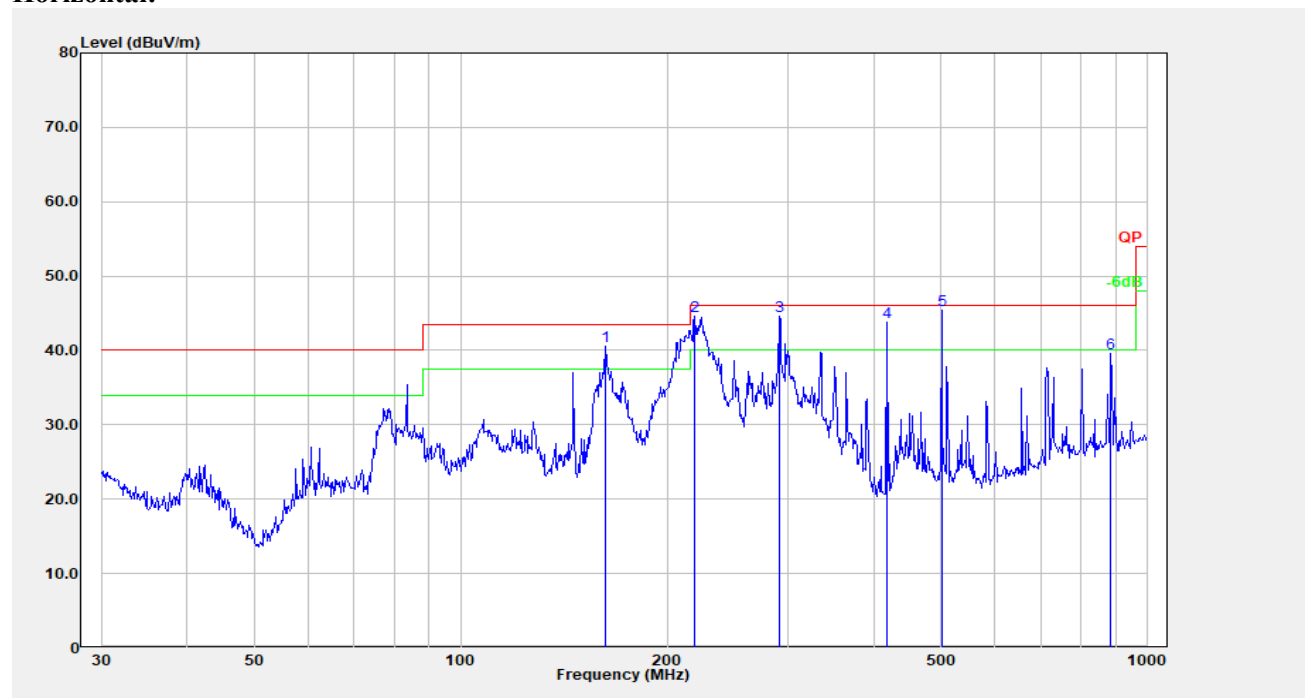
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Sunol Sciences	Antenna	JB6	A082520-5	2020-10-19	2023-10-18
R&S	EMI Test Receiver	ESR3	102724	2021-07-22	2022-07-21
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0470-02	2021-07-18	2022-07-17
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0780-01	2021-07-18	2022-07-17
Sonoma	Amplifier	310N	186165	2021-07-18	2022-07-17
ETS-Lindgren	Horn Antenna	3115	9912-5985	2020-10-13	2023-10-12
R&S	Spectrum Analyzer	FSV40	101591	2021-07-22	2022-07-21
MICRO-COAX	Coaxial Cable	UFA210A-1-1200-70U300	217423-008	2021-08-08	2022-08-07
MICRO-COAX	Coaxial Cable	UFA210A-1-2362-300300	235780-001	2021-08-08	2022-08-07
Mini	Pre-amplifier	ZVA-183-S+	5969001149	2021-11-10	2022-11-09
Audix	Test Software	E3	201021 (V9)	N/A	N/A
PASTERNAK	Horn Antenna	PE9852/2F-20	112002	2021-02-05	2023-02-04
AH	Preamplifier	PAM-1840VH	190	2021-11-19	2022-11-18
MICRO-COAX	Coaxial Cable	UFB142A-1-2362-200200	235772-001	2021-08-08	2022-08-07
E-Microwave	Band Rejection Filter	5150-5850MHz	OE01902423	2021-08-08	2022-08-07
Mini Circuits	High Pass Filter	VHF-6010+	31119	2021-08-08	2022-08-07
PASTERNAK	Horn Antenna	PE9850/2F-20	072001	2021-02-05	2023-02-04

* 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:

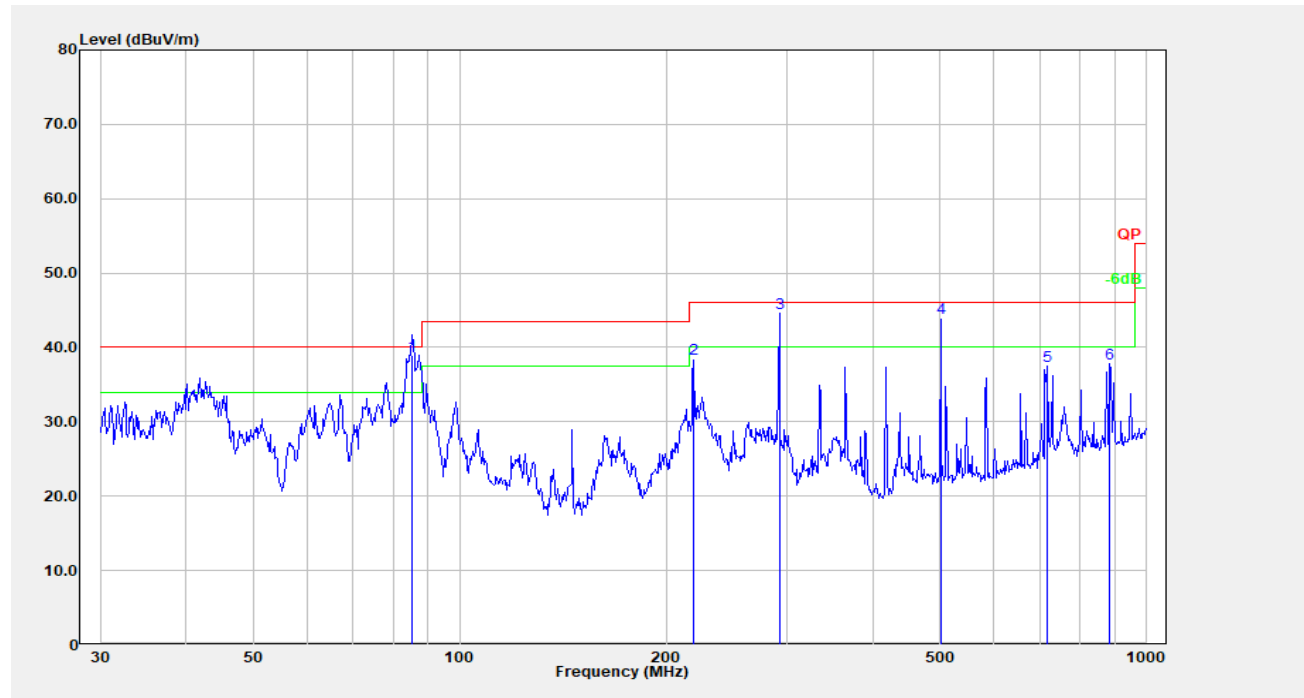
1) 30MHz-1GHz(802.11a 5745MHz was the worst)

Horizontal:



No.	Frequency (MHz)	Reading (dB μ V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector
1	162.611	53.10	-12.54	40.56	43.50	2.94	QP
2	219.075	57.58	-12.93	44.65	46.00	1.35	QP
3	291.036	55.83	-11.15	44.68	46.00	1.32	QP
4	417.641	52.13	-8.26	43.87	46.00	2.13	QP
5	501.179	51.58	-6.22	45.36	46.00	0.64	QP
6	884.503	41.00	-1.41	39.59	46.00	6.41	QP

Vertical:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	85.298	56.34	-17.42	38.92	40.00	1.08	QP
2	219.075	51.38	-12.93	38.45	46.00	7.55	QP
3	292.058	55.77	-11.10	44.67	46.00	1.33	QP
4	501.179	50.17	-6.22	43.95	46.00	2.05	QP
5	716.682	41.19	-3.64	37.55	46.00	8.45	Peak
6	884.503	39.17	-1.41	37.76	46.00	8.24	Peak

2) 1GHz-40GHz:
5150-5250MHz

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					
802.11a,Low Channel: 5180MHz							
5180.00	67.61	PK	H	38.68	100.27	N/A	N/A
5180.00	57.68	AV	H	38.68	90.34	N/A	N/A
5180.00	72.72	PK	V	38.68	105.38	N/A	N/A
5180.00	62.89	AV	V	38.68	95.55	N/A	N/A
5150.00	25.56	PK	V	38.64	58.18	74.00	15.82
5150.00	14.69	AV	V	38.64	47.31	54.00	6.69
10360.00	35.22	PK	V	19.18	48.38	68.20	19.82
15540.00	37.69	PK	V	22.44	54.11	74.00	19.89
15540.00	25.27	AV	V	22.44	41.69	54.00	12.31
1779.00	53.97	PK	V	1.16	49.11	68.20	19.09
3536.00	47.29	PK	V	7.78	49.05	68.20	19.15
1412.00	50.73	PK	V	-0.83	43.88	74.00	30.12
1412.00	39.81	AV	V	-0.83	32.96	54.00	21.04
802.11a,Middle Channel: 5200 MHz							
5200.00	67.41	PK	H	38.70	100.09	N/A	N/A
5200.00	57.42	AV	H	38.70	90.10	N/A	N/A
5200.00	74.49	PK	V	38.70	107.17	N/A	N/A
5200.00	62.81	AV	V	38.70	95.49	N/A	N/A
10400.00	34.55	PK	V	19.16	47.69	68.20	20.51
15600.00	37.79	PK	V	22.41	54.18	74.00	19.82
15600.00	24.79	AV	V	22.41	41.18	54.00	12.82
1779.00	54.56	PK	V	1.16	49.70	68.20	18.50
3536.00	47.10	PK	V	7.78	48.86	68.20	19.34
1412.00	51.79	PK	V	-0.83	44.94	74.00	29.06
1412.00	37.77	AV	V	-0.83	30.92	54.00	23.08
802.11a,High Channel: 5240 MHz							
5240.00	67.62	PK	H	38.85	100.45	N/A	N/A
5240.00	57.65	AV	H	38.85	90.48	N/A	N/A
5240.00	74.48	PK	V	38.85	107.31	N/A	N/A
5240.00	62.63	AV	V	38.85	95.46	N/A	N/A
5350.00	26.34	PK	V	39.03	59.35	74.00	14.65
5350.00	12.54	AV	V	39.03	45.55	54.00	8.45
10480.00	34.68	PK	V	18.86	47.52	68.20	20.68
15720.00	36.93	PK	V	22.28	53.19	74.00	20.81
15720.00	24.74	AV	V	22.28	41.00	54.00	13.00
1779.00	54.05	PK	V	1.16	49.19	68.20	19.01
3536.00	46.83	PK	V	7.78	48.59	68.20	19.61
1412.00	52.26	PK	V	-0.83	45.41	74.00	28.59
1412.00	37.11	AV	V	-0.83	30.26	54.00	23.74

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					
802.11n ht20, Low Channel: 5180MHz							
5180.00	66.09	PK	H	38.68	98.75	N/A	N/A
5180.00	58.12	AV	H	38.68	90.78	N/A	N/A
5180.00	70.48	PK	V	38.68	103.14	N/A	N/A
5180.00	63.82	AV	V	38.68	96.48	N/A	N/A
5150.00	27.14	PK	V	38.64	59.76	74.00	14.24
5150.00	15.28	AV	V	38.64	47.90	54.00	6.10
10360.00	34.35	PK	V	19.18	47.51	68.20	20.69
15540.00	36.68	PK	V	22.44	53.10	74.00	20.90
15540.00	23.94	AV	V	22.44	40.36	54.00	13.64
1779.00	53.73	PK	V	1.16	48.87	68.20	19.33
3536.00	47.92	PK	V	7.78	49.68	68.20	18.52
1412.00	52.51	PK	V	-0.83	45.66	74.00	28.34
1412.00	36.60	AV	V	-0.83	29.75	54.00	24.25
802.11n ht20, Middle Channel: 5200 MHz							
5200.00	66.68	PK	H	38.70	99.36	N/A	N/A
5200.00	58.09	AV	H	38.70	90.77	N/A	N/A
5200.00	71.37	PK	V	38.70	104.05	N/A	N/A
5200.00	64.73	AV	V	38.70	97.41	N/A	N/A
10400.00	35.27	PK	V	19.16	48.41	68.20	19.79
15600.00	37.07	PK	V	22.41	53.46	74.00	20.54
15600.00	25.17	AV	V	22.41	41.56	54.00	12.44
1779.00	53.15	PK	V	1.16	48.29	68.20	19.91
3536.00	47.48	PK	V	7.78	49.24	68.20	18.96
1412.00	52.31	PK	V	-0.83	45.46	74.00	28.54
1412.00	36.87	AV	V	-0.83	30.02	54.00	23.98
802.11n ht20, High Channel: 5240 MHz							
5240.00	67.58	PK	H	38.85	100.41	N/A	N/A
5240.00	58.17	AV	H	38.85	91.00	N/A	N/A
5240.00	73.81	PK	V	38.85	106.64	N/A	N/A
5240.00	62.95	AV	V	38.85	95.78	N/A	N/A
5350.00	25.53	PK	V	39.03	58.54	74.00	15.46
5350.00	13.01	AV	V	39.03	46.02	54.00	7.98
10480.00	35.27	PK	V	18.86	48.11	68.20	20.09
15720.00	37.48	PK	V	22.28	53.74	74.00	20.26
15720.00	25.24	AV	V	22.28	41.50	54.00	12.5
1779.00	54.98	PK	V	1.16	50.12	68.20	18.08
3536.00	47.02	PK	V	7.78	48.78	68.20	19.42
1412.00	50.95	PK	V	-0.83	44.10	74.00	29.9
1412.00	36.13	AV	V	-0.83	29.28	54.00	24.72

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					
802.11n ht40,Low Channel: 5190 MHz							
5190.00	64.07	PK	H	38.69	96.74	N/A	N/A
5190.00	51.52	AV	H	38.69	84.19	N/A	N/A
5190.00	68.22	PK	V	38.69	100.89	N/A	N/A
5190.00	56.69	AV	V	38.69	89.36	N/A	N/A
5150.00	25.95	PK	V	38.64	58.57	74.00	15.43
5150.00	14.65	AV	V	38.64	47.27	54.00	6.73
10380.00	35.82	PK	V	19.17	48.97	68.20	19.23
15570.00	38.50	PK	V	22.43	54.91	74.00	19.09
15570.00	25.20	AV	V	22.43	41.61	54.00	12.39
1779.00	53.72	PK	V	1.16	48.86	68.20	19.34
3536.00	48.19	PK	V	7.78	49.95	68.20	18.25
1412.00	52.20	PK	V	-0.83	45.35	74.00	28.65
1412.00	36.63	AV	V	-0.83	29.78	54.00	24.22
802.11n ht40, High Channel: 5230 MHz							
5230.00	66.04	PK	H	38.81	98.83	N/A	N/A
5230.00	56.10	AV	H	38.81	88.89	N/A	N/A
5230.00	71.82	PK	V	38.81	104.61	N/A	N/A
5230.00	61.44	AV	V	38.81	94.23	N/A	N/A
5350.00	26.78	PK	V	39.03	59.79	74.00	14.21
5350.00	13.77	AV	V	39.03	46.78	54.00	7.22
10460.00	34.95	PK	V	18.94	47.87	68.20	20.33
15690.00	35.76	PK	V	22.29	52.03	74.00	21.97
15690.00	23.18	AV	V	22.29	39.45	54.00	14.55
1779.00	54.36	PK	V	1.16	49.50	68.20	18.70
3536.00	48.42	PK	V	7.78	50.18	68.20	18.02
1412.00	52.31	PK	V	-0.83	45.46	74.00	28.54
1412.00	36.78	AV	V	-0.83	29.93	54.00	24.07
802.11ac vht80, Middle Channel: 5210 MHz							
5210.00	60.37	PK	H	38.74	93.09	N/A	N/A
5210.00	51.12	AV	H	38.74	83.84	N/A	N/A
5210.00	66.35	PK	V	38.74	99.07	N/A	N/A
5210.00	54.77	AV	V	38.74	87.49	N/A	N/A
5150.00	32.03	PK	V	38.64	64.65	74.00	9.35
5150.00	17.03	AV	V	38.64	49.65	54.00	4.35
5350.00	26.29	PK	V	39.03	59.30	74.00	14.70
5350.00	13.83	AV	V	39.03	46.84	54.00	7.16
10420.00	35.05	PK	V	19.09	48.12	68.20	20.08
15630.00	37.52	PK	V	22.37	53.87	74.00	20.13
15630.00	23.55	AV	V	22.37	39.90	54.00	14.10
1779.00	54.09	PK	V	1.16	49.23	68.20	18.97
3536.00	46.82	PK	V	7.78	48.58	68.20	19.62
1412.00	50.93	PK	V	-0.83	44.08	74.00	29.92
1412.00	37.26	AV	V	-0.83	30.41	54.00	23.59

5250-5350MHz

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					
802.11a,Low Channel: 5260MHz							
5260.00	67.84	PK	H	38.90	100.72	N/A	N/A
5260.00	58.05	AV	H	38.90	90.93	N/A	N/A
5260.00	76.47	PK	V	38.90	109.35	N/A	N/A
5260.00	66.07	AV	V	38.90	98.95	N/A	N/A
5150.00	26.84	PK	V	38.64	59.46	74.00	14.54
5150.00	13.05	AV	V	38.64	45.67	54.00	8.33
10520.00	32.93	PK	V	18.93	45.84	68.20	22.36
15780.00	36.01	PK	V	22.26	52.25	74.00	21.75
15780.00	22.05	AV	V	22.26	38.29	54.00	15.71
1779.00	54.57	PK	V	1.16	49.71	68.20	18.49
3536.00	46.93	PK	V	7.78	48.69	68.20	19.51
1412.00	52.12	PK	V	-0.83	45.27	74.00	28.74
1412.00	35.51	AV	V	-0.83	28.66	54.00	25.35
802.11a,Middle Channel: 5280 MHz							
5280.00	66.37	PK	H	38.91	99.26	N/A	N/A
5280.00	56.95	AV	H	38.91	89.84	N/A	N/A
5280.00	74.25	PK	V	38.91	107.14	N/A	N/A
5280.00	64.03	AV	V	38.91	96.92	N/A	N/A
10560.00	34.44	PK	V	19.20	47.62	68.20	20.58
15840.00	34.72	PK	V	22.34	51.04	74.00	22.96
15840.00	22.96	AV	V	22.34	39.28	54.00	14.72
1779.00	54.46	PK	V	1.16	49.60	68.20	18.60
3536.00	46.63	PK	V	7.78	48.39	68.20	19.81
1412.00	51.74	PK	V	-0.83	44.89	74.00	29.11
1412.00	38.27	AV	V	-0.83	31.42	54.00	22.59
802.11a,High Channel: 5320 MHz							
5320.00	67.09	PK	H	38.97	100.04	N/A	N/A
5320.00	57.96	AV	H	38.97	90.91	N/A	N/A
5320.00	72.61	PK	V	38.97	105.56	N/A	N/A
5320.00	63.09	AV	V	38.97	96.04	N/A	N/A
5350.00	25.97	PK	V	39.03	58.98	74.00	15.02
5350.00	14.01	AV	V	39.03	47.02	54.00	6.98
10640.00	34.08	PK	V	19.50	47.56	74.00	26.44
10640.00	21.13	AV	V	19.50	34.61	54.00	19.39
15960.00	36.31	PK	V	22.22	52.51	74.00	21.49
15960.00	23.22	AV	V	22.22	39.42	54.00	14.58
1779.00	54.60	PK	V	1.16	49.74	68.20	18.46
3536.00	48.44	PK	V	7.78	50.20	68.20	18.00
1412.00	52.04	PK	V	-0.83	45.19	74.00	28.81
1412.00	35.51	AV	V	-0.83	28.66	54.00	25.35

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					
802.11n ht20, Low Channel: 5260MHz							
5260.00	67.17	PK	H	38.90	100.05	N/A	N/A
5260.00	58.89	AV	H	38.90	91.77	N/A	N/A
5260.00	73.66	PK	V	38.90	106.54	N/A	N/A
5260.00	66.12	AV	V	38.90	99.00	N/A	N/A
5150.00	24.55	PK	V	38.64	57.17	74.00	16.83
5150.00	12.38	AV	V	38.64	45.00	54.00	9.00
10520.00	34.20	PK	V	18.93	47.11	68.20	21.09
15780.00	35.83	PK	V	22.26	52.07	74.00	21.93
15780.00	22.68	AV	V	22.26	38.92	54.00	15.08
1779.00	54.27	PK	V	1.16	49.41	68.20	18.79
3536.00	44.73	PK	V	7.78	46.49	68.20	21.71
1412.00	51.91	PK	V	-0.83	45.06	74.00	28.95
1412.00	37.53	AV	V	-0.83	30.68	54.00	23.32
802.11n ht20, Middle Channel: 5280 MHz							
5280.00	66.96	PK	H	38.91	99.85	N/A	N/A
5280.00	56.87	AV	H	38.91	89.76	N/A	N/A
5280.00	72.81	PK	V	38.91	105.70	N/A	N/A
5280.00	63.97	AV	V	38.91	96.86	N/A	N/A
10560.00	33.89	PK	V	19.20	47.07	68.20	21.13
15840.00	34.59	PK	V	22.34	50.91	74.00	23.10
15840.00	23.32	AV	V	22.34	39.64	54.00	14.37
1779.00	54.92	PK	V	1.16	50.06	68.20	18.14
3536.00	46.34	PK	V	7.78	48.10	68.20	20.10
1412.00	52.24	PK	V	-0.83	45.39	74.00	28.62
1412.00	35.99	AV	V	-0.83	29.14	54.00	24.87
802.11n ht20, High Channel: 5320 MHz							
5320.00	66.86	PK	H	38.97	99.81	N/A	N/A
5320.00	55.79	AV	H	38.97	88.74	N/A	N/A
5320.00	71.94	PK	V	38.97	104.89	N/A	N/A
5320.00	62.92	AV	V	38.97	95.87	N/A	N/A
5350.00	26.43	PK	V	39.03	59.44	74.00	14.56
5350.00	13.70	AV	V	39.03	46.71	54.00	7.30
10640.00	33.22	PK	V	19.50	46.70	74.00	27.31
10640.00	21.25	AV	V	19.50	34.73	54.00	19.28
15960.00	35.80	PK	V	22.22	52.00	74.00	22.01
15960.00	21.96	AV	V	22.22	38.16	54.00	15.85
1779.00	54.36	PK	V	1.16	49.50	68.20	18.70
3536.00	46.44	PK	V	7.78	48.20	68.20	20.01
1412.00	52.01	PK	V	-0.83	45.16	74.00	28.84
1412.00	35.75	AV	V	-0.83	28.90	54.00	25.11

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					
802.11n ht40, Low Channel: 5270 MHz							
5270.00	64.54	PK	H	38.91	97.43	N/A	N/A
5270.00	56.35	AV	H	38.91	89.24	N/A	N/A
5270.00	70.49	PK	V	38.91	103.38	N/A	N/A
5270.00	61.76	AV	V	38.91	94.65	N/A	N/A
5150.00	25.64	PK	V	38.64	58.26	74.00	15.74
5150.00	13.95	AV	V	38.64	46.57	54.00	7.43
10540.00	33.18	PK	V	19.07	46.23	68.20	21.97
15810.00	35.01	PK	V	22.28	51.27	74.00	22.73
15810.00	22.64	AV	V	22.28	38.90	54.00	15.10
1779.00	52.81	PK	V	1.16	47.95	68.20	20.25
3536.00	48.37	PK	V	7.78	50.13	68.20	18.07
1412.00	50.47	PK	V	-0.83	43.62	74.00	30.39
1412.00	37.44	AV	V	-0.83	30.59	54.00	23.41
802.11n ht40, High Channel: 5310 MHz							
5310.00	64.31	PK	H	38.95	97.24	N/A	N/A
5310.00	54.81	AV	H	38.95	87.74	N/A	N/A
5310.00	69.02	PK	V	38.95	101.95	N/A	N/A
5310.00	59.95	AV	V	38.95	92.88	N/A	N/A
5350.00	27.43	PK	V	39.03	60.44	74.00	13.56
5350.00	17.33	AV	V	39.03	50.34	54.00	3.66
10620.00	32.24	PK	V	19.49	45.71	74.00	28.29
10620.00	20.51	AV	V	19.49	33.98	54.00	20.02
15930.00	35.03	PK	V	22.33	51.34	74.00	22.66
15930.00	21.74	AV	V	22.33	38.05	54.00	15.95
1779.00	53.30	PK	V	1.16	48.44	68.20	19.76
3536.00	46.96	PK	V	7.78	48.72	68.20	19.48
1412.00	52.46	PK	V	-0.83	45.61	74.00	28.39
1412.00	36.27	AV	V	-0.83	29.42	54.00	24.58
802.11ac vht80, Low Channel: 5290 MHz							
5290.00	61.29	PK	H	38.92	94.19	N/A	N/A
5290.00	49.87	AV	H	38.92	82.77	N/A	N/A
5290.00	66.36	PK	V	38.92	99.26	N/A	N/A
5290.00	55.97	AV	V	38.92	88.87	N/A	N/A
5150.00	24.96	PK	V	38.64	57.58	74.00	16.42
5150.00	12.54	AV	V	38.64	45.16	54.00	8.84
5350.00	28.92	PK	V	39.03	61.93	74.00	12.07
5350.00	17.99	AV	V	39.03	51.00	54.00	3.00
10580.00	32.77	PK	V	19.34	46.09	68.20	22.11
15870.00	34.49	PK	V	22.39	50.86	74.00	23.14
15870.00	23.39	AV	V	22.39	39.76	54.00	14.24
1779.00	54.86	PK	V	1.16	50.00	68.20	18.20
3536.00	47.29	PK	V	7.78	49.05	68.20	19.15
1412.00	50.56	PK	V	-0.83	43.71	74.00	30.30
1412.00	35.40	AV	V	-0.83	28.55	54.00	25.45

5470-5725MHz:

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					
802.11a,Low Channel: 5500MHz							
5500.00	66.96	PK	H	39.32	100.26	N/A	N/A
5500.00	56.50	AV	H	39.32	89.80	N/A	N/A
5500.00	71.23	PK	V	39.32	104.53	N/A	N/A
5500.00	62.49	AV	V	39.32	95.79	N/A	N/A
5470.00	27.30	PK	V	39.27	60.55	68.20	7.65
11000.00	34.95	PK	V	19.83	48.76	74.00	25.24
11000.00	20.61	AV	V	19.83	34.42	54.00	19.58
16500.00	35.19	PK	V	22.73	51.90	68.20	16.30
1779.00	54.69	PK	V	1.16	49.83	68.20	18.37
3536.00	48.77	PK	V	7.78	50.53	68.20	17.67
1412.00	51.41	PK	V	-0.83	44.56	74.00	29.44
1412.00	35.87	AV	V	-0.83	29.02	54.00	24.99
802.11a,Middle Channel: 5580 MHz							
5580.00	66.93	PK	H	39.43	100.34	N/A	N/A
5580.00	57.54	AV	H	39.43	90.95	N/A	N/A
5580.00	71.61	PK	V	39.43	105.02	N/A	N/A
5580.00	63.23	AV	V	39.43	96.64	N/A	N/A
11160.00	33.57	PK	V	19.97	47.52	74.00	26.48
11160.00	22.82	AV	V	19.97	36.77	54.00	17.23
16740.00	38.01	PK	V	23.68	55.67	68.20	12.53
1779.00	53.19	PK	V	1.16	48.33	68.20	19.87
3536.00	48.18	PK	V	7.78	49.94	68.20	18.26
1412.00	50.77	PK	V	-0.83	43.92	74.00	30.09
1412.00	35.51	AV	V	-0.83	28.66	54.00	25.35
802.11a,High Channel: 5700 MHz							
5700.00	68.90	PK	H	39.51	102.39	N/A	N/A
5700.00	57.56	AV	H	39.51	91.05	N/A	N/A
5700.00	73.09	PK	V	39.51	106.58	N/A	N/A
5700.00	63.45	AV	V	39.51	96.94	N/A	N/A
5725.00	24.84	PK	V	39.48	58.30	68.20	9.90
11400.00	34.52	PK	V	20.93	49.43	74.00	24.57
11400.00	22.53	AV	V	20.93	37.44	54.00	30.76
17100.00	34.45	PK	V	26.19	54.62	68.20	13.58
1779.00	53.12	PK	V	1.16	48.26	68.20	19.94
3536.00	47.12	PK	V	7.78	48.88	68.20	19.32
1412.00	51.61	PK	V	-0.83	44.76	74.00	29.25
1412.00	35.90	AV	V	-0.83	29.05	54.00	24.96

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					
802.11n ht20,Low Channel: 5500MHz							
5500.00	65.40	PK	H	39.32	98.70	N/A	N/A
5500.00	57.39	AV	H	39.32	90.69	N/A	N/A
5500.00	69.40	PK	V	39.32	102.70	N/A	N/A
5500.00	61.07	AV	V	39.32	94.37	N/A	N/A
5470.00	26.98	PK	V	39.27	60.23	68.20	7.97
11000.00	34.89	PK	V	19.83	48.70	74.00	25.30
11000.00	22.60	AV	V	19.83	36.41	54.00	17.60
16500.00	34.90	PK	V	22.73	51.61	68.20	16.59
1779.00	53.65	PK	V	1.16	48.79	68.20	19.41
3536.00	48.65	PK	V	7.78	50.41	68.20	17.79
1412.00	52.75	PK	V	-0.83	45.90	74.00	28.11
1412.00	37.76	AV	V	-0.83	30.91	54.00	23.10
802.11n ht20, Middle Channel: 5580 MHz							
5580.00	67.68	PK	H	39.43	101.09	N/A	N/A
5580.00	56.97	AV	H	39.43	90.38	N/A	N/A
5580.00	71.94	PK	V	39.43	105.35	N/A	N/A
5580.00	63.12	AV	V	39.43	96.53	N/A	N/A
11160.00	34.57	PK	V	19.97	48.52	74.00	25.48
11160.00	20.67	AV	V	19.97	34.62	54.00	19.39
16740.00	37.79	PK	V	23.68	55.45	68.20	12.75
1779.00	54.99	PK	V	1.16	50.13	68.20	18.08
3536.00	46.02	PK	V	7.78	47.78	68.20	20.42
1412.00	51.62	PK	V	-0.83	44.77	74.00	29.23
1412.00	36.87	AV	V	-0.83	30.02	54.00	23.98
802.11n ht20, High Channel: 5700 MHz							
5700.00	68.33	PK	H	39.51	101.82	N/A	N/A
5700.00	59.10	AV	H	39.51	92.59	N/A	N/A
5700.00	70.28	PK	V	39.51	103.77	N/A	N/A
5700.00	61.62	AV	V	39.51	95.11	N/A	N/A
5725.00	27.83	PK	V	39.48	61.29	68.20	6.91
11400.00	32.86	PK	V	20.93	47.77	74.00	26.23
11400.00	22.94	AV	V	20.93	37.85	54.00	16.15
17100.00	34.24	PK	V	26.19	54.41	68.20	13.80
1779.00	52.89	PK	V	1.16	48.03	68.20	20.18
3536.00	48.74	PK	V	7.78	50.50	68.20	17.71
1412.00	51.38	PK	V	-0.83	44.53	74.00	29.47
1412.00	36.45	AV	V	-0.83	29.60	54.00	24.40

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					
802.11n ht40,Low Channel: 5510 MHz							
5510.00	62.04	PK	H	39.35	95.37	N/A	N/A
5510.00	54.19	AV	H	39.35	87.52	N/A	N/A
5510.00	70.22	PK	V	39.35	103.55	N/A	N/A
5510.00	58.93	AV	V	39.35	92.26	N/A	N/A
5470.00	29.71	PK	V	39.27	62.96	68.20	5.24
11020.00	33.10	PK	V	19.85	46.93	74.00	27.08
11020.00	20.40	AV	V	19.85	34.23	54.00	19.78
16530.00	37.65	PK	V	23.02	54.65	68.20	13.55
1779.00	54.33	PK	V	1.16	49.47	68.20	18.74
3536.00	46.13	PK	V	7.78	47.89	68.20	20.32
1412.00	51.24	PK	V	-0.83	44.39	74.00	29.61
1412.00	36.83	AV	V	-0.83	29.98	54.00	24.02
802.11n ht40, Middle Channel: 5550 MHz							
5550.00	63.11	PK	H	39.46	96.55	N/A	N/A
5550.00	56.79	AV	H	39.46	90.23	N/A	N/A
5550.00	69.10	PK	V	39.46	102.54	N/A	N/A
5550.00	61.45	AV	V	39.46	94.89	N/A	N/A
11100.00	34.76	PK	V	19.95	48.69	74.00	25.31
11100.00	21.21	AV	V	19.95	35.14	54.00	18.86
16650.00	37.40	PK	V	23.65	55.03	68.20	13.17
1779.00	51.88	PK	V	1.16	47.02	68.20	21.18
3536.00	49.28	PK	V	7.78	51.04	68.20	17.17
1412.00	52.34	PK	V	-0.83	45.49	74.00	28.51
1412.00	36.47	AV	V	-0.83	29.62	54.00	24.38
802.11n ht40, High Channel: 5670 MHz							
5670.00	64.25	PK	H	39.50	97.73	N/A	N/A
5670.00	54.78	AV	H	39.50	88.26	N/A	N/A
5670.00	69.90	PK	V	39.50	103.38	N/A	N/A
5670.00	61.43	AV	V	39.50	94.91	N/A	N/A
5725.00	24.91	PK	V	39.48	58.37	68.20	9.83
11340.00	32.48	PK	V	20.77	47.23	74.00	26.78
11340.00	22.40	AV	V	20.77	37.15	54.00	16.85
17010.00	34.58	PK	V	25.56	54.12	68.20	14.08
1779.00	52.89	PK	V	1.16	48.03	68.20	20.18
3536.00	47.07	PK	V	7.78	48.83	68.20	19.37
1412.00	51.18	PK	V	-0.83	44.33	74.00	29.67
1412.00	36.08	AV	V	-0.83	29.23	54.00	24.77

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					
802.11ac vht80, Low Channel: 5530 MHz							
5530.00	61.03	PK	H	39.40	94.41	N/A	N/A
5530.00	51.97	AV	H	39.40	85.35	N/A	N/A
5530.00	65.18	PK	V	39.40	98.56	N/A	N/A
5530.00	54.31	AV	V	39.40	87.69	N/A	N/A
5470.00	32.65	PK	V	39.27	65.90	68.20	2.30
11060.00	34.77	PK	V	19.90	48.65	74.00	25.36
11060.00	22.70	AV	V	19.90	36.58	54.00	17.43
16590.00	34.53	PK	V	23.59	52.10	68.20	16.10
1779.00	52.46	PK	V	1.16	47.60	68.20	20.60
3536.00	47.01	PK	V	7.78	48.77	68.20	19.43
1412.00	51.72	PK	V	-0.83	44.87	74.00	29.13
1412.00	36.80	AV	V	-0.83	29.95	54.00	24.05
802.11ac vht80, High Channel: 5610 MHz							
5610.00	61.27	PK	H	39.43	94.68	N/A	N/A
5610.00	50.01	AV	H	39.43	83.42	N/A	N/A
5610.00	66.38	PK	V	39.43	99.79	N/A	N/A
5610.00	54.71	AV	V	39.43	88.12	N/A	N/A
5725.00	26.60	PK	V	39.48	60.06	68.20	8.14
11220.00	34.31	PK	V	20.13	48.42	74.00	25.58
11220.00	21.20	AV	V	20.13	35.31	54.00	18.69
16830.00	36.36	PK	V	24.13	54.47	68.20	13.73
1779.00	52.91	PK	V	1.16	48.05	68.20	20.15
3536.00	48.32	PK	V	7.78	50.08	68.20	18.12
1412.00	51.82	PK	V	-0.83	44.97	74.00	29.03
1412.00	36.75	AV	V	-0.83	29.90	54.00	24.10

5725-5850MHz:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector					
802.11a,Low Channel: 5745MHz							
5745.00	68.71	PK	H	39.46	102.15	N/A	N/A
5745.00	60.41	AV	H	39.46	93.85	N/A	N/A
5745.00	74.29	PK	V	39.46	107.73	N/A	N/A
5745.00	65.71	AV	V	39.46	99.15	N/A	N/A
5725.00	31.61	PK	V	39.48	65.07	122.20	57.13
5720.00	27.80	PK	V	39.49	61.27	110.80	49.53
5700.00	27.40	PK	V	39.51	60.89	105.20	44.31
5650.00	28.10	PK	V	39.49	61.57	68.20	6.63
11490.00	34.87	PK	V	20.67	49.52	74.00	24.48
11490.00	22.24	AV	V	20.67	36.89	54.00	17.11
17235.00	33.88	PK	V	26.76	54.62	68.20	13.58
1779.00	53.57	PK	V	1.16	48.71	68.20	19.49
3536.00	47.68	PK	V	7.78	49.44	68.20	18.76
1412.00	51.10	PK	V	-0.83	44.25	74.00	29.75
1412.00	35.39	AV	V	-0.83	28.54	54.00	25.46
802.11a,Middle Channel: 5785 MHz							
5785.00	68.31	PK	H	39.44	101.73	N/A	N/A
5785.00	59.24	AV	H	39.44	92.66	N/A	N/A
5785.00	73.82	PK	V	39.44	107.24	N/A	N/A
5785.00	65.31	AV	V	39.44	98.73	N/A	N/A
11570.00	34.69	PK	V	20.83	49.50	74.00	24.50
11570.00	20.99	AV	V	20.83	35.80	54.00	18.20
17355.00	33.50	PK	V	27.74	55.22	68.20	12.98
1779.00	53.56	PK	V	1.16	48.70	68.20	19.50
3536.00	47.06	PK	V	7.78	48.82	68.20	19.38
1412.00	51.71	PK	V	-0.83	44.86	74.00	29.14
1412.00	36.08	AV	V	-0.83	29.23	54.00	24.77
802.11a,High Channel: 5825 MHz							
5825.00	68.84	PK	H	39.46	102.28	N/A	N/A
5825.00	60.85	AV	H	39.46	94.29	N/A	N/A
5825.00	76.42	PK	V	39.46	109.86	N/A	N/A
5825.00	65.84	AV	V	39.46	99.28	N/A	N/A
5850.00	26.35	PK	V	39.49	59.82	122.20	62.38
5855.00	26.31	PK	V	39.51	59.80	110.80	51.00
5875.00	27.24	PK	V	39.60	60.82	105.20	44.38
5925.00	27.16	PK	V	39.68	60.82	68.20	7.38
11650.00	34.55	PK	V	21.07	49.60	74.00	24.40
11650.00	21.90	AV	V	21.07	36.95	54.00	17.05
17475.00	32.66	PK	V	28.61	55.25	68.20	12.95
1779.00	53.14	PK	V	1.16	48.28	68.20	19.92
3536.00	46.10	PK	V	7.78	47.86	68.20	20.34
1412.00	51.87	PK	V	-0.83	45.02	74.00	28.98
1412.00	36.14	AV	V	-0.83	29.29	54.00	24.71

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					
802.11n ht20, Low Channel: 5745MHz							
5745.00	69.00	PK	H	39.46	102.44	N/A	N/A
5745.00	58.56	AV	H	39.46	92.00	N/A	N/A
5745.00	74.24	PK	V	39.46	107.68	N/A	N/A
5745.00	63.77	AV	V	39.46	97.21	N/A	N/A
5725.00	33.40	PK	V	39.48	66.86	122.20	55.34
5720.00	31.60	PK	V	39.49	65.07	110.80	45.73
5700.00	30.46	PK	V	39.51	63.95	105.20	41.25
5650.00	30.69	PK	V	39.49	64.16	68.20	4.04
11490.00	34.62	PK	V	20.67	49.27	74.00	24.73
11490.00	20.84	AV	V	20.67	35.49	54.00	18.51
17235.00	34.89	PK	V	26.76	55.63	68.20	12.57
1779.00	53.25	PK	V	1.16	48.39	68.20	19.81
3536.00	48.43	PK	V	7.78	50.19	68.20	18.01
1412.00	51.61	PK	V	-0.83	44.76	74.00	29.24
1412.00	36.62	AV	V	-0.83	29.77	54.00	24.23
802.11n ht20, Middle Channel: 5785 MHz							
5785.00	68.29	PK	H	39.44	101.71	N/A	N/A
5785.00	59.68	AV	H	39.44	93.10	N/A	N/A
5785.00	74.11	PK	V	39.44	107.53	N/A	N/A
5785.00	65.16	AV	V	39.44	98.58	N/A	N/A
11570.00	33.33	PK	V	20.83	48.14	74.00	25.86
11570.00	21.29	AV	V	20.83	36.10	54.00	17.90
17355.00	32.98	PK	V	27.74	54.70	68.20	13.50
1779.00	54.28	PK	V	1.16	49.42	68.20	18.78
3536.00	47.24	PK	V	7.78	49.00	68.20	19.20
1412.00	50.67	PK	V	-0.83	43.82	74.00	30.18
1412.00	36.10	AV	V	-0.83	29.25	54.00	24.75
802.11n ht20, High Channel: 5825 MHz							
5825.00	68.49	PK	H	39.46	101.93	N/A	N/A
5825.00	60.11	AV	H	39.46	93.55	N/A	N/A
5825.00	75.59	PK	V	39.46	109.03	N/A	N/A
5825.00	66.57	AV	V	39.46	100.01	N/A	N/A
5850.00	27.81	PK	V	39.49	61.28	122.20	60.92
5855.00	26.91	PK	V	39.51	60.40	110.80	50.40
5875.00	28.43	PK	V	39.60	62.01	105.20	43.19
5925.00	27.41	PK	V	39.68	61.07	68.20	7.13
11650.00	33.59	PK	V	21.07	48.64	74.00	25.36
11650.00	22.35	AV	V	21.07	37.40	54.00	16.60
17475.00	33.11	PK	V	28.61	55.70	68.20	12.50
1779.00	53.85	PK	V	1.16	48.99	68.20	19.21
3536.00	46.61	PK	V	7.78	48.37	68.20	19.83
1412.00	51.43	PK	V	-0.83	44.58	74.00	29.42
1412.00	36.49	AV	V	-0.83	29.64	54.00	24.36

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					
802.11n ht40,Low Channel: 5755 MHz							
5755.00	66.16	PK	H	39.45	99.59	N/A	N/A
5755.00	54.24	AV	H	39.45	87.67	N/A	N/A
5755.00	70.79	PK	V	39.45	104.22	N/A	N/A
5755.00	61.61	AV	V	39.45	95.04	N/A	N/A
5725.00	34.61	PK	V	39.48	68.07	122.20	54.13
5720.00	37.80	PK	V	39.49	71.27	110.80	39.53
5700.00	31.08	PK	V	39.51	64.57	105.20	40.63
5650.00	31.59	PK	V	39.49	65.06	68.20	3.14
11510.00	34.29	PK	V	20.67	48.94	74.00	25.06
11510.00	22.53	AV	V	20.67	37.18	54.00	16.82
17265.00	35.95	PK	V	26.94	56.87	68.20	11.33
1779.00	53.40	PK	V	1.16	48.54	68.20	19.66
3536.00	48.25	PK	V	7.78	50.01	68.20	18.19
1412.00	53.27	PK	V	-0.83	46.42	74.00	27.58
1412.00	37.29	AV	V	-0.83	30.44	54.00	23.56
802.11n ht40, High Channel: 5795 MHz							
5795.00	66.79	PK	H	39.43	100.20	N/A	N/A
5795.00	55.86	AV	H	39.43	89.27	N/A	N/A
5795.00	72.80	PK	V	39.43	106.21	N/A	N/A
5795.00	63.00	AV	V	39.43	96.41	N/A	N/A
5850.00	27.41	PK	V	39.49	60.88	122.20	61.32
5855.00	28.68	PK	V	39.51	62.17	110.80	48.63
5875.00	29.30	PK	V	39.60	62.88	105.20	42.32
5925.00	28.41	PK	V	39.68	62.07	68.20	6.13
11590.00	33.81	PK	V	20.88	48.67	74.00	25.33
11590.00	22.40	AV	V	20.88	37.26	54.00	16.74
17385.00	33.15	PK	V	28.07	55.20	68.20	13.00
1779.00	53.19	PK	V	1.16	48.33	68.20	19.87
3536.00	48.35	PK	V	7.78	50.11	68.20	18.09
1412.00	51.87	PK	V	-0.83	45.02	74.00	28.98
1412.00	37.42	AV	V	-0.83	30.57	54.00	23.43

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					
802.11ac vht80, Low Channel: 5775 MHz							
5775.00	63.19	PK	H	39.44	96.61	N/A	N/A
5775.00	51.56	AV	H	39.44	84.98	N/A	N/A
5775.00	69.15	PK	V	39.44	102.57	N/A	N/A
5775.00	59.71	AV	V	39.44	93.13	N/A	N/A
5725.00	38.23	PK	V	39.48	71.69	122.20	50.51
5720.00	38.41	PK	V	39.49	71.88	110.80	38.92
5700.00	35.71	PK	V	39.51	69.20	105.20	36.00
5650.00	33.49	PK	V	39.49	66.96	68.20	1.24
5850.00	35.56	PK	V	39.49	69.03	122.20	53.17
5855.00	32.07	PK	V	39.51	65.56	110.80	45.24
5875.00	33.10	PK	V	39.60	66.68	105.20	38.52
5925.00	32.74	PK	V	39.68	66.40	68.20	1.80
11550.00	33.66	PK	V	20.78	48.42	74.00	25.58
11550.00	22.31	AV	V	20.78	37.07	54.00	16.93
17325.00	33.49	PK	V	27.41	54.88	68.20	13.32
1779.00	53.40	PK	V	1.16	48.54	68.20	19.66
3536.00	46.94	PK	V	7.78	48.70	68.20	19.50
1412.00	51.79	PK	V	-0.83	44.94	74.00	29.06
1412.00	36.42	AV	V	-0.83	29.57	54.00	24.43

Note:

Result = Reading + Factor - Distance extrapolation Factor

For 1-26.5GHz:

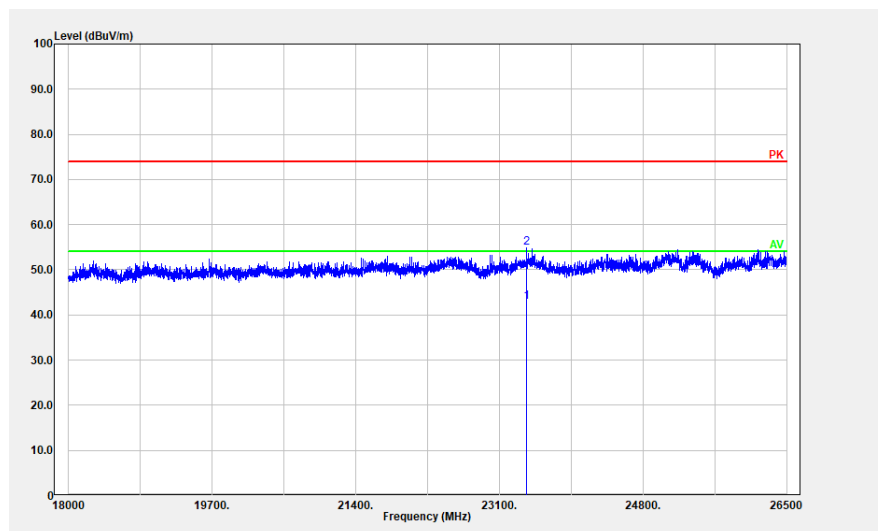
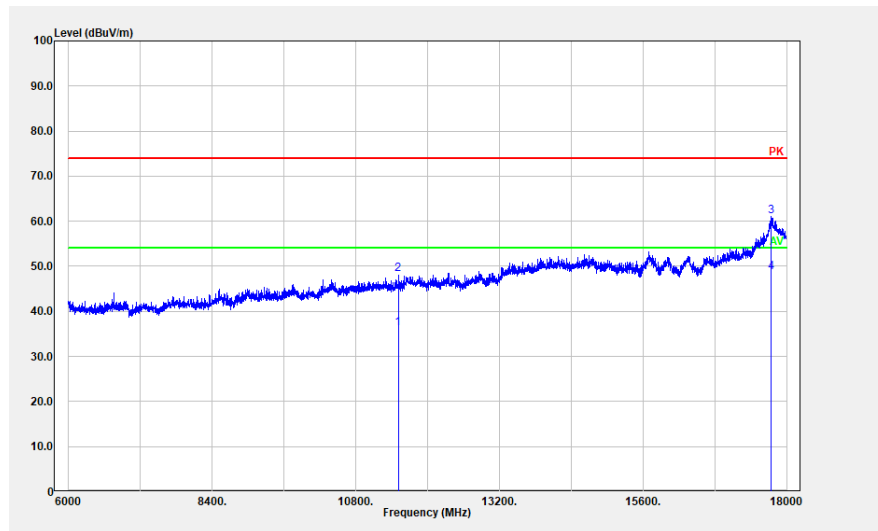
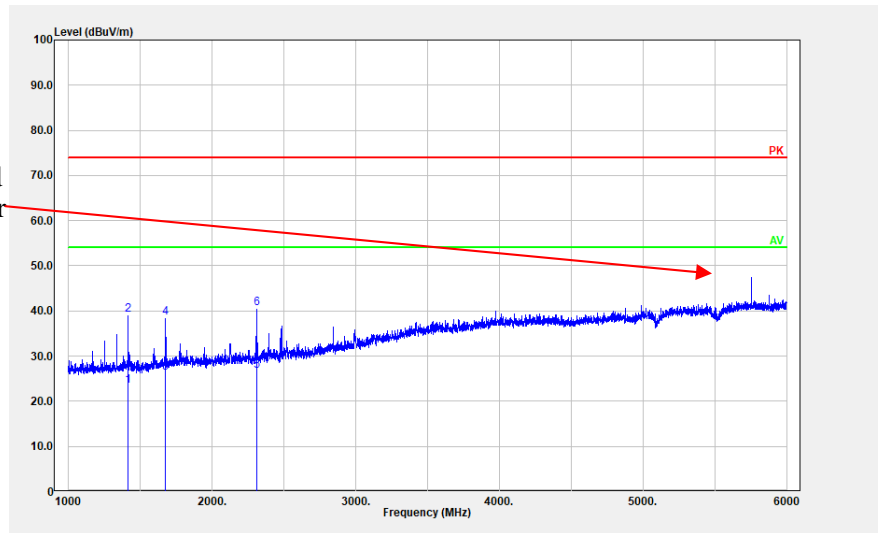
Distance extrapolation Factor = 20 log (specific distance [3m]/test distance [1.5m]) dB = 6.02 dB

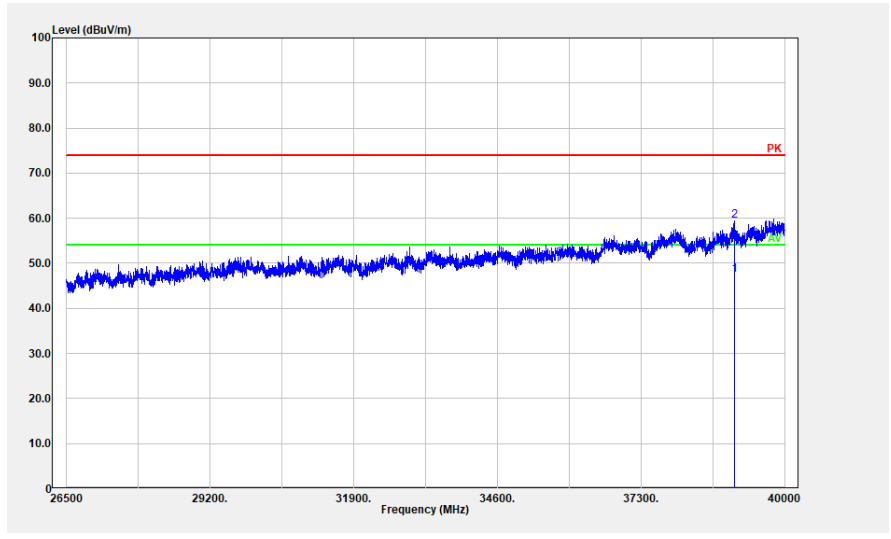
For 26.5-40GHz:

Distance extrapolation Factor = 20 log (specific distance [3m]/test distance [1m]) dB = 9.54 dB

Worst Test plots(802.11a 5180 MHz was the worst)
Horizontal:

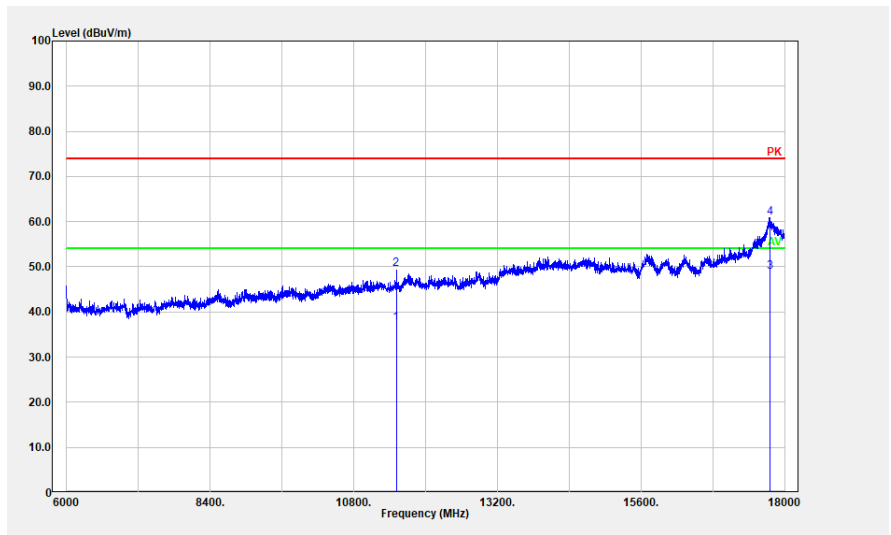
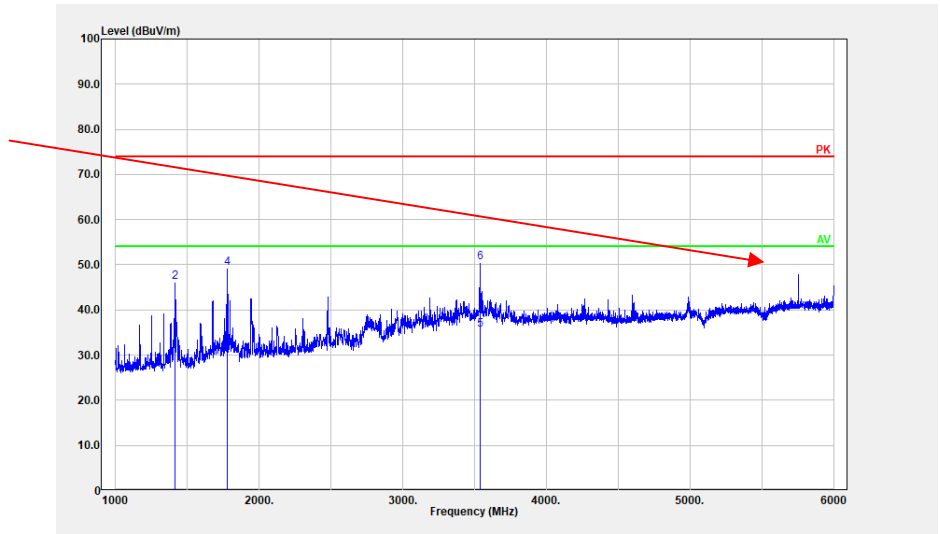
Fundamental
Test with Band
Rejection Filter

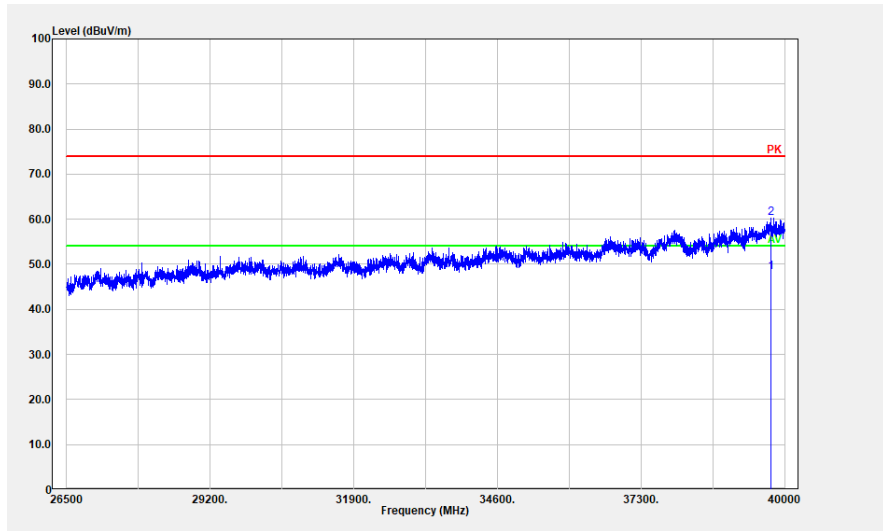
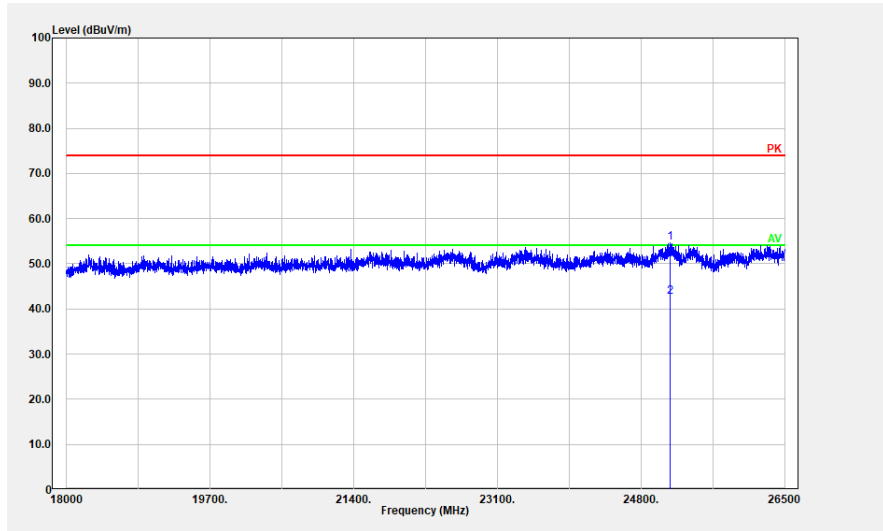




Vertical:

Fundamental Test with Band Rejection Filter





4.3 Emission Bandwidth:

Serial Number:	CR21110032-RF-S1	Test Date:	2021/12/29~2022/01/07
Test Site:	RF	Test Mode:	Transmitting
Tester:	Wolf Mo	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	20~25.9	Relative Humidity: (%)	56~60	ATM Pressure: (kPa)	101.6~101.8
----------------------	---------	------------------------------	-------	------------------------	-------------

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101943	2021-10-10	2022-10-09
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	26.560	17.086
	5200	28.080	17.086
	5240	28.320	17.086
802.11n ht20	5180	31.680	18.283
	5200	31.520	18.363
	5240	32.240	18.443
802.11n ht40	5190	66.570	38.323
	5230	60.800	38.164
802.11ac vht80	5210	144.718	77.285

5250-5350 MHz:

Test Modes	Test Frequency (MHz)	26 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
802.11a	5260	31.600	17.086
	5280	29.920	17.166
	5320	30.320	17.086
802.11n ht20	5260	27.840	18.124
	5280	28.640	18.124
	5320	31.920	18.443
802.11n ht40	5270	60.320	41.996
	5310	53.490	41.198
802.11ac vht80	5290	104.197	77.605

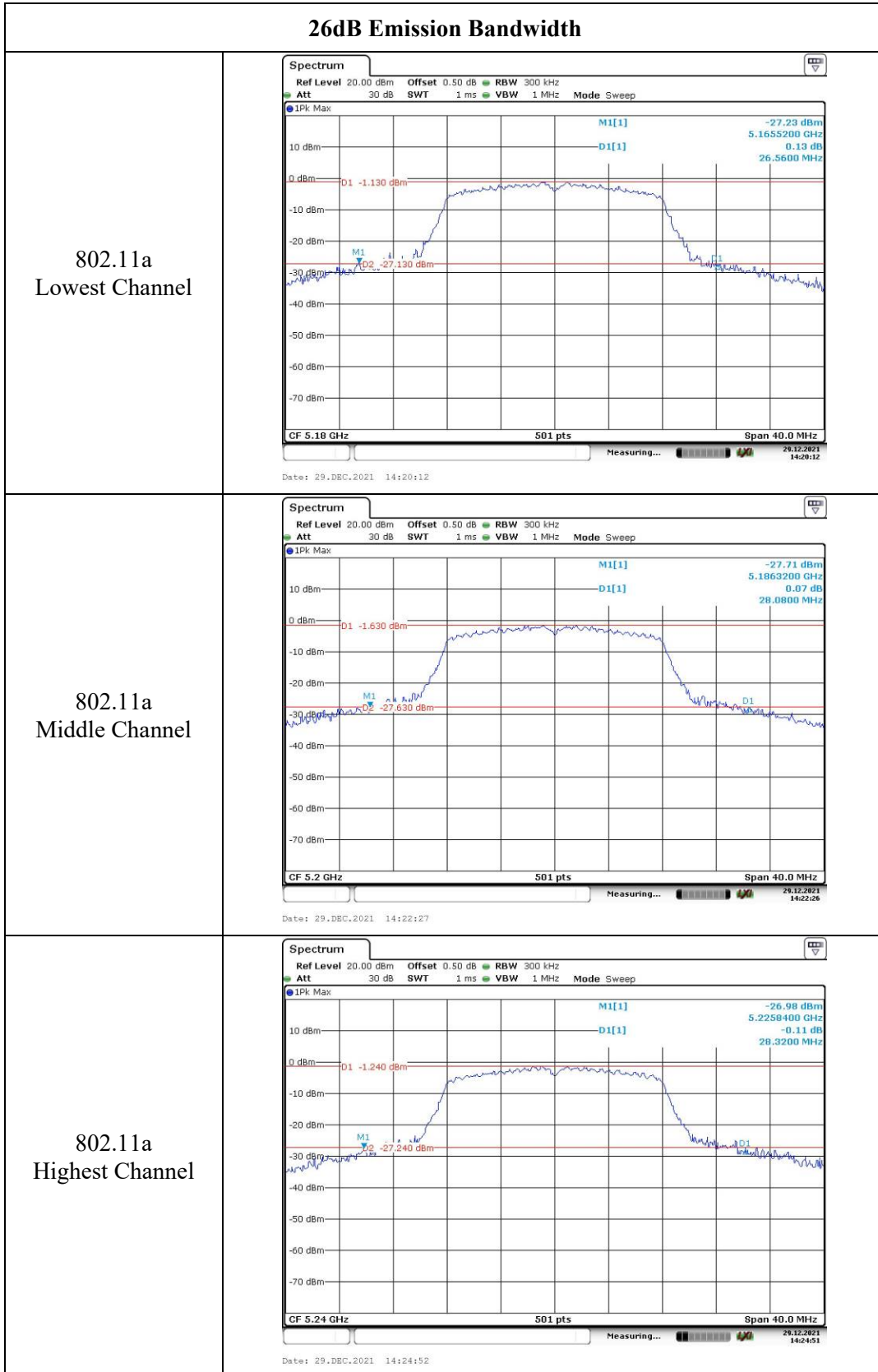
5470-5725 MHz:

Test Modes	Test Frequency (MHz)	26 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
802.11a	5500	31.360	17.405
	5580	29.440	17.246
	5700	24.160	17.246
802.11n ht20	5500	30.560	18.204
	5580	29.120	18.044
	5700	28.640	18.044
802.11n ht40	5510	55.360	37.365
	5550	55.200	37.525
	5670	55.360	37.525
802.11ac vht80	5530	101.440	76.966
	5610	138.33	76.966

5725-5850 MHz:

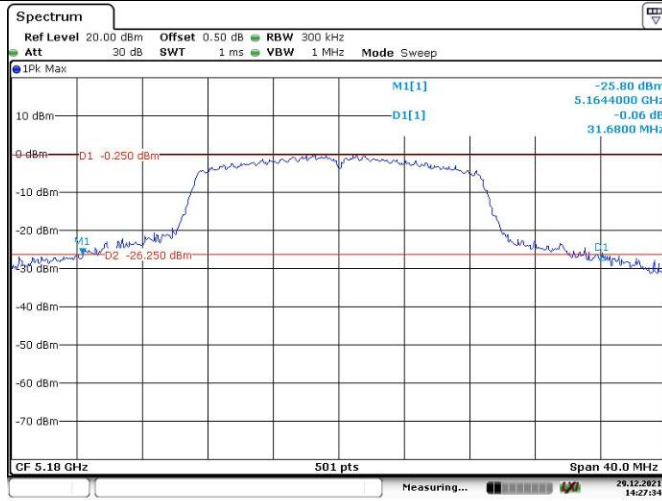
Test Modes	Test Frequency (MHz)	6 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
802.11a	5745	15.200	17.166
	5785	15.360	17.166
	5825	15.360	17.166
802.11n ht20	5745	15.200	18.124
	5785	15.360	18.124
	5825	15.360	18.124
802.11n ht40	5755	35.520	37.525
	5795	35.360	37.685
802.11ac vht80	5775	75.200	77.924
Note:6dB Emission Bandwidth Limit: ≥ 0.5 MHz			

5150-5250MHz:



26dB Emission Bandwidth

802.11n ht20
Lowest Channel



802.11n ht20
Middle Channel

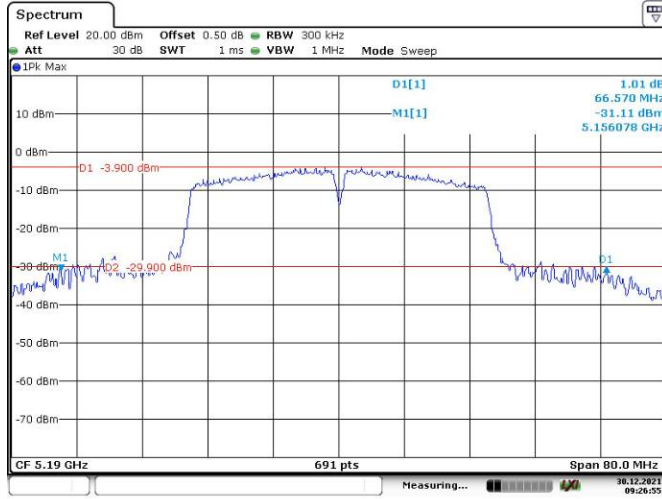


802.11n ht20
Highest Channel

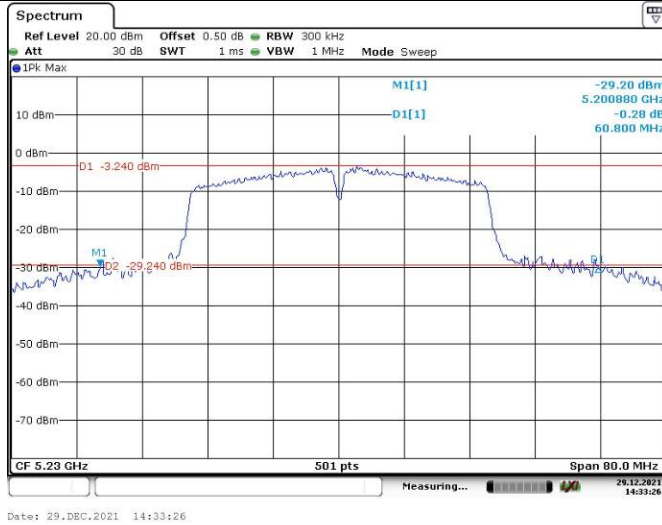


26dB Emission Bandwidth

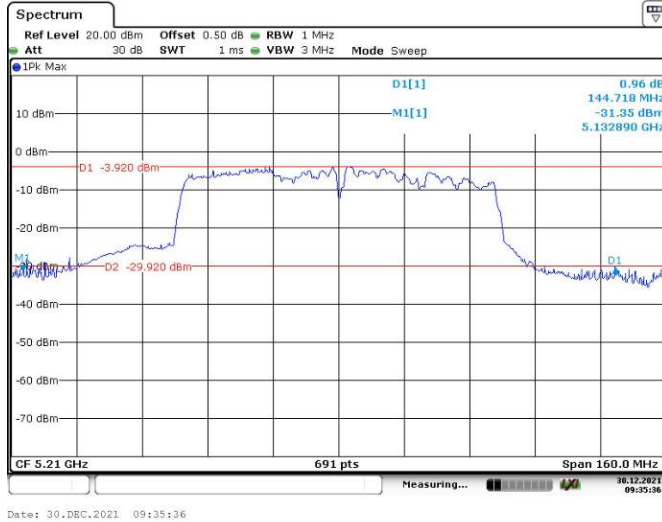
802.11n ht40
Lowest Channel



802.11n ht40
Highest Channel

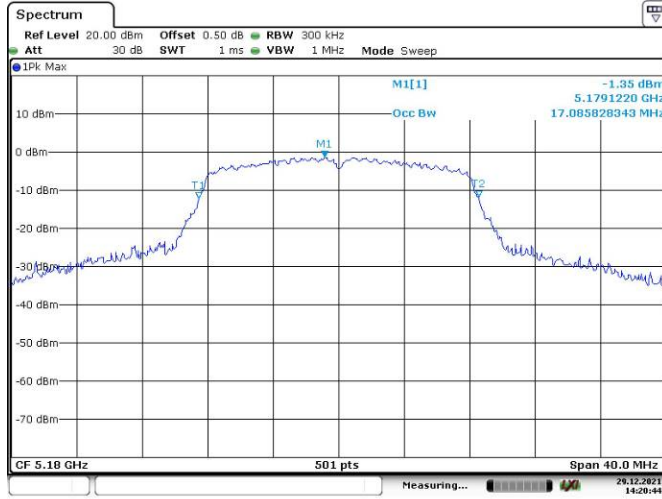


802.11ac vht80
Middle Channel



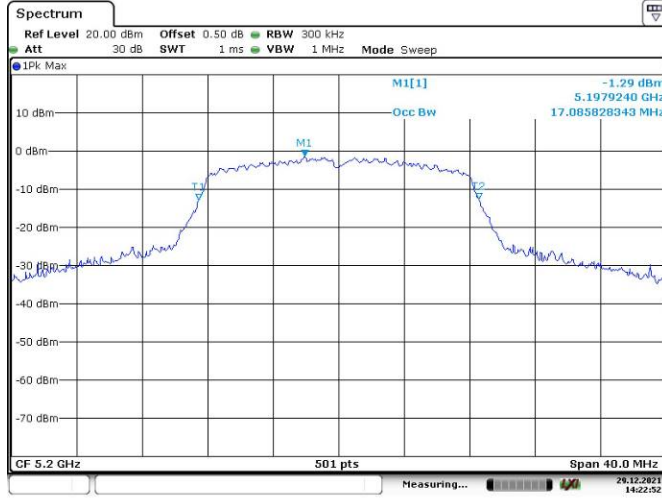
99% Emission Bandwidth

802.11a
Lowest Channel



Date: 29.DEC.2021 14:20:44

802.11a
Middle Channel



Date: 29.DEC.2021 14:22:52

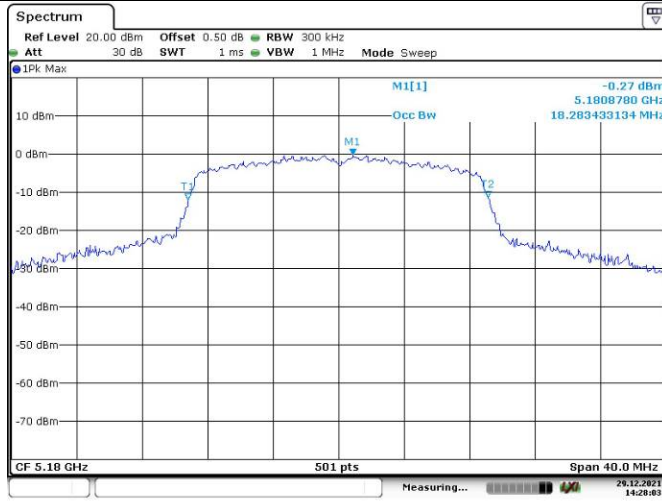
802.11a
Highest Channel



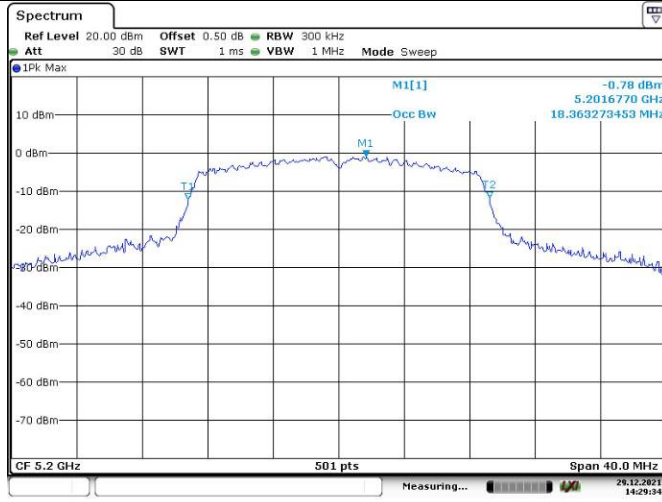
Date: 29.DEC.2021 14:25:12

99% Emission Bandwidth

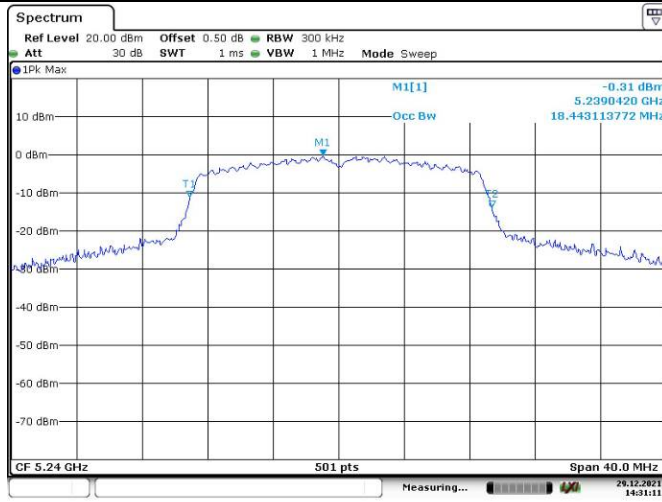
802.11n ht20
Lowest Channel



802.11n ht20
Middle Channel

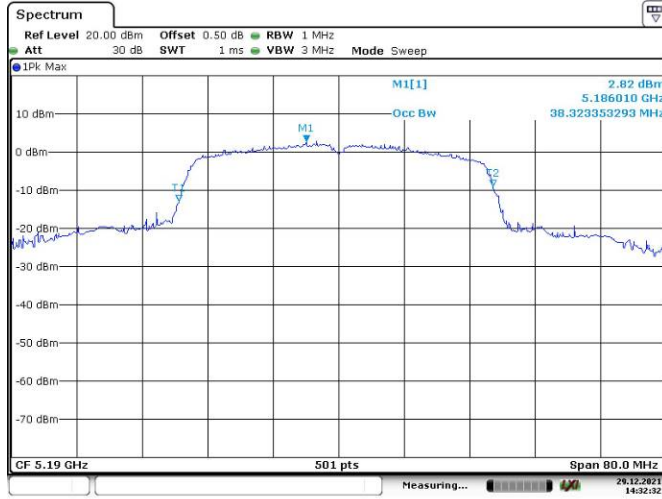


802.11n ht20
Highest Channel



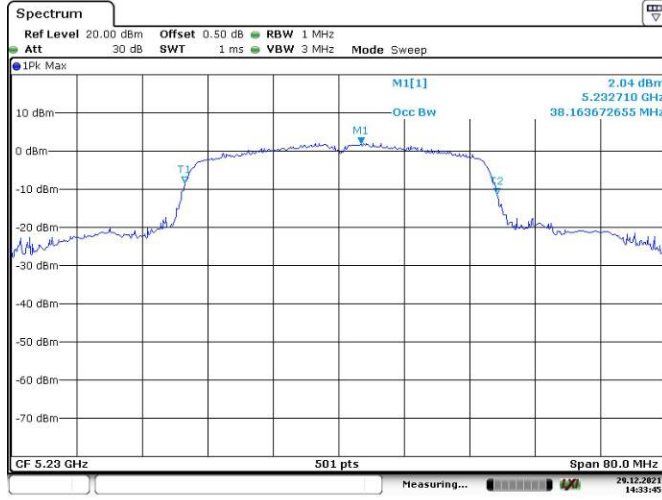
99% Emission Bandwidth

802.11n ht40
Lowest Channel



Date: 29.DEC.2021 14:32:32

802.11n ht40
Highest Channel



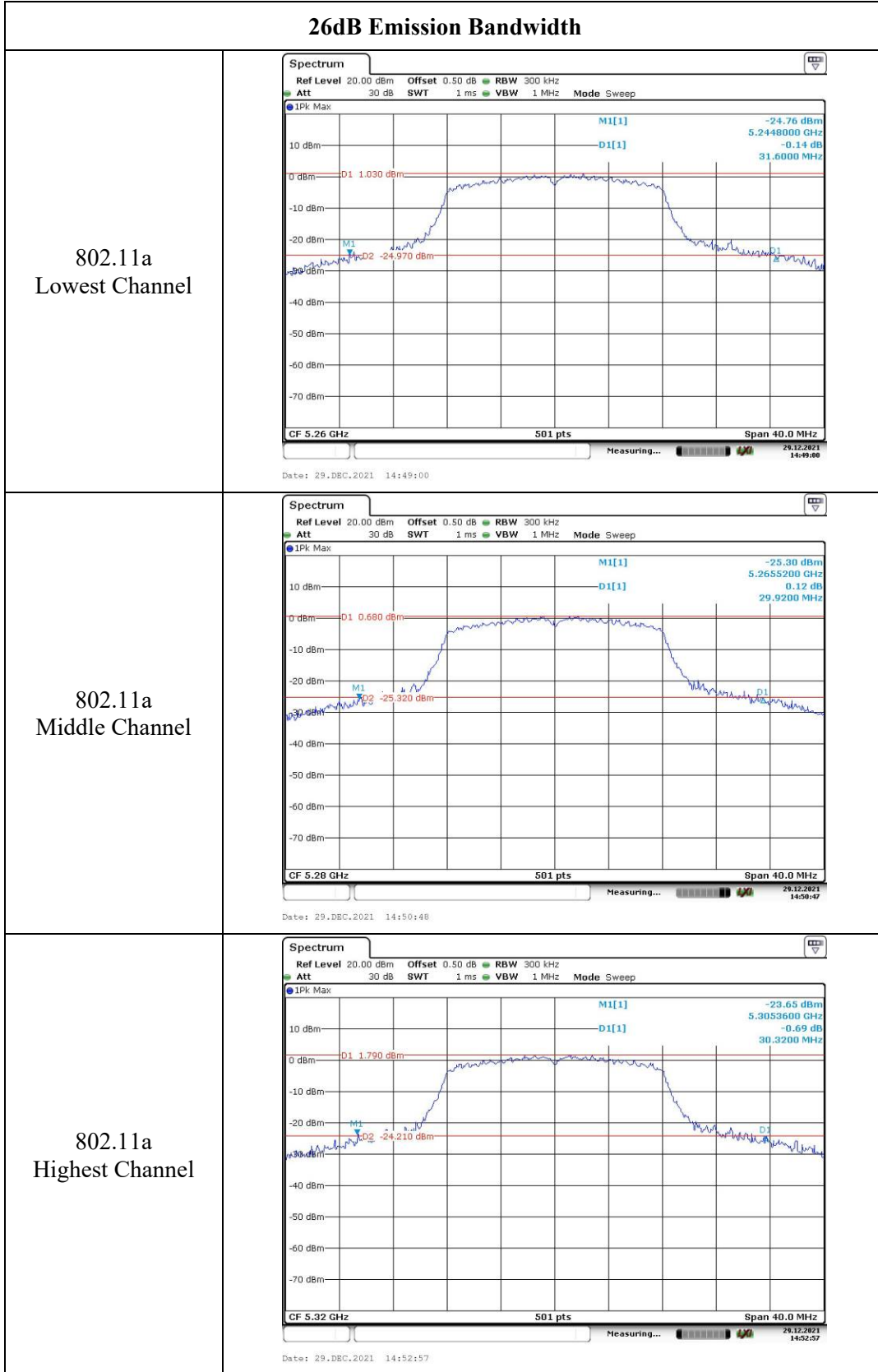
Date: 29.DEC.2021 14:33:46

802.11ac vht80
Middle Channel



Date: 29.DEC.2021 14:41:32

5250-5350MHz:

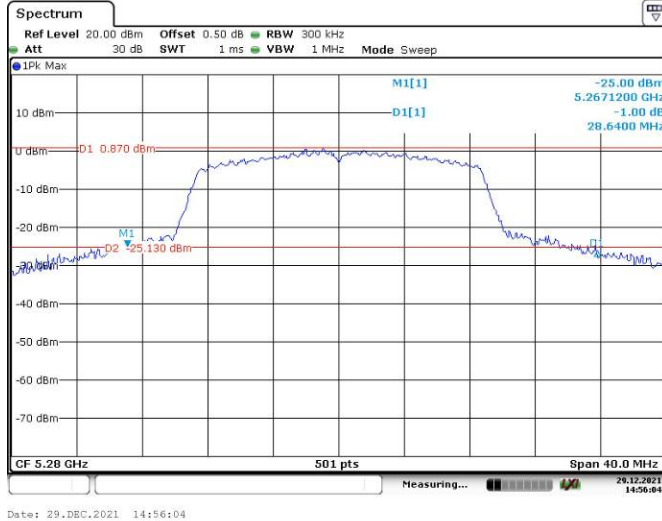


26dB Emission Bandwidth

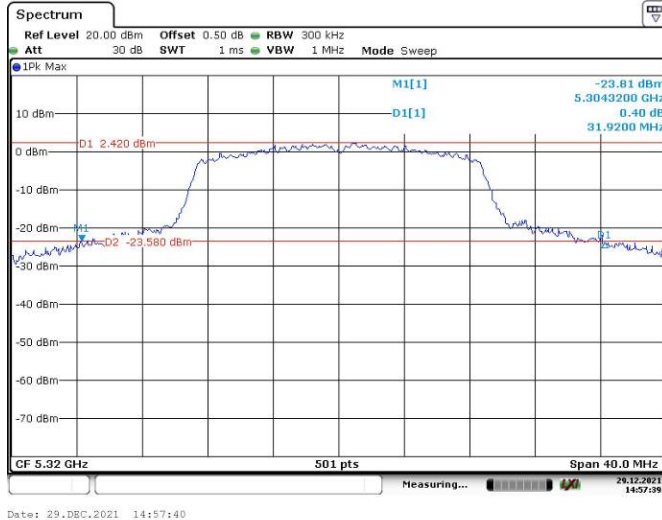
802.11n ht20
Lowest Channel



802.11n ht20
Middle Channel

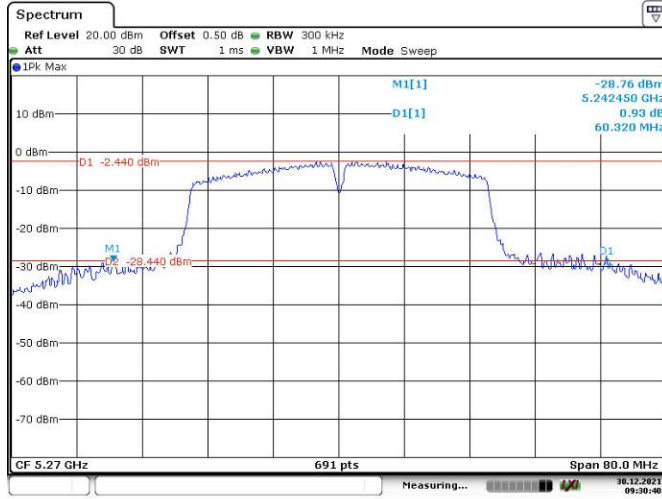


802.11n ht20
Highest Channel



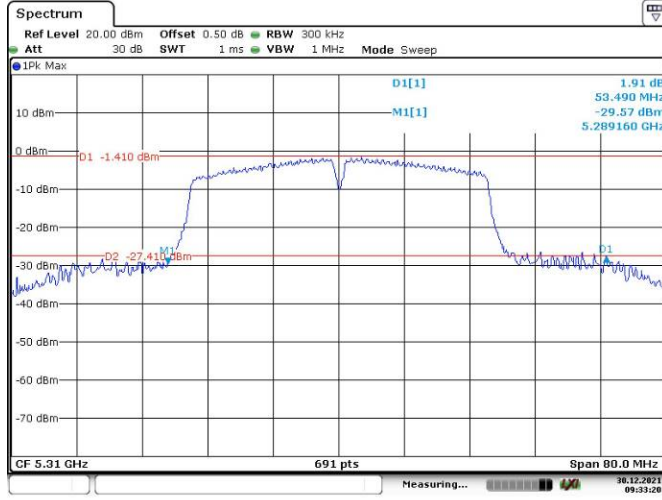
26dB Emission Bandwidth

802.11n ht40
Lowest Channel



Date: 30.DEC.2021 09:30:40

802.11n ht40
Highest Channel



Date: 30.DEC.2021 09:33:20

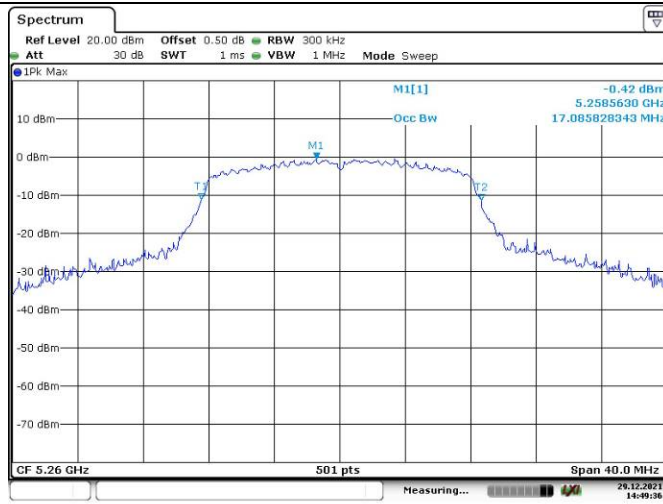
802.11ac vht80
Middle Channel



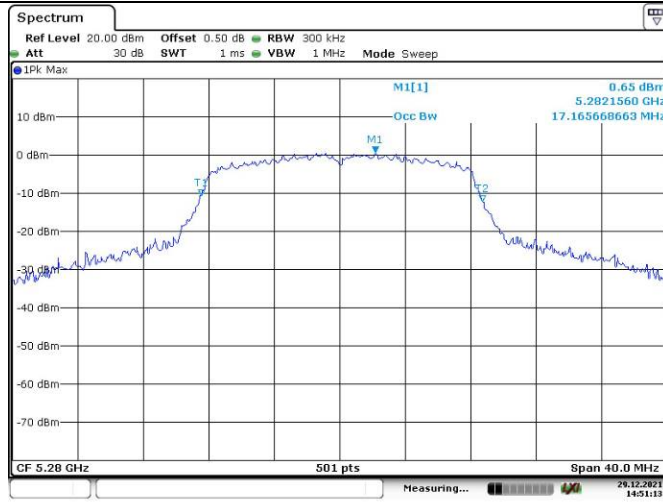
Date: 30.DEC.2021 09:36:51

99% Emission Bandwidth

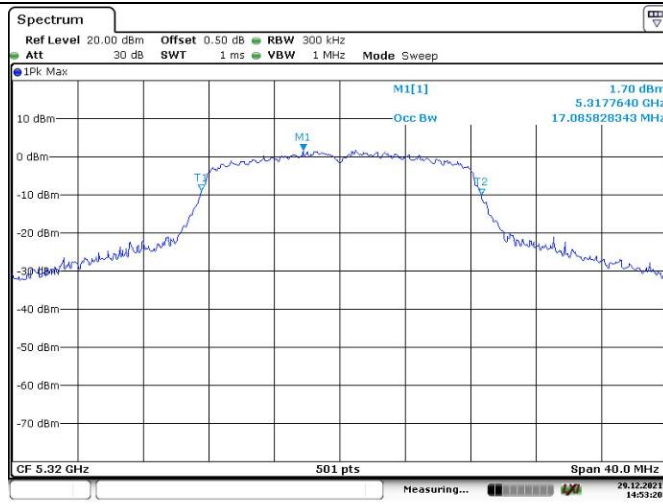
802.11a
Lowest Channel



802.11a
Middle Channel



802.11a
Highest Channel

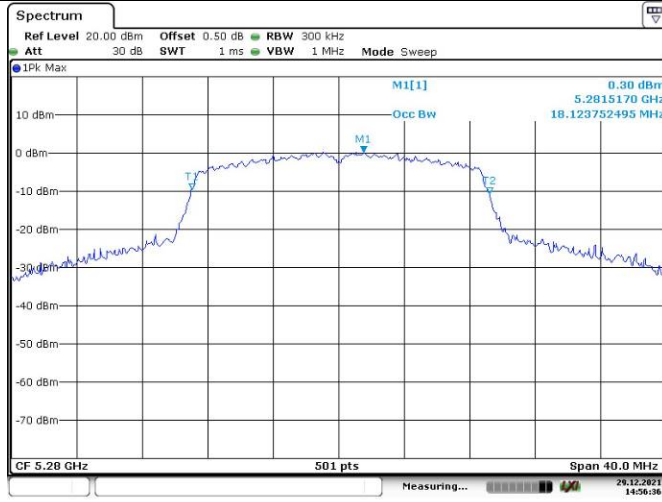


99% Emission Bandwidth

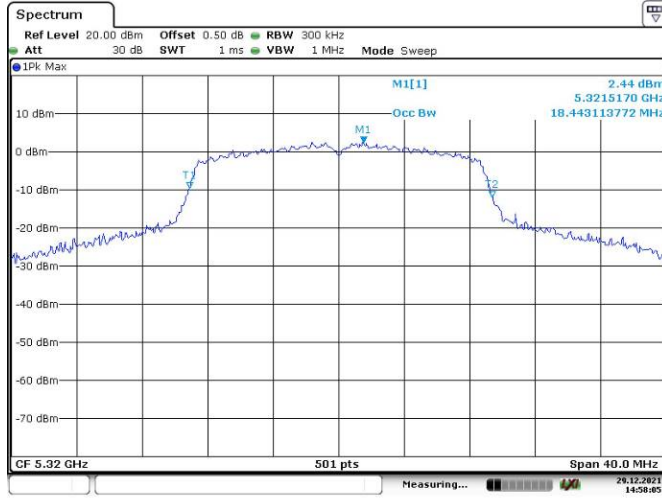
802.11n ht20
Lowest Channel



802.11n ht20
Middle Channel

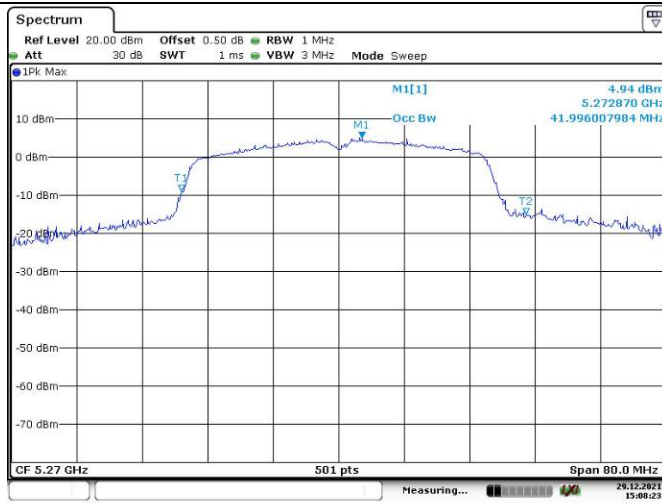


802.11n ht20
Highest Channel



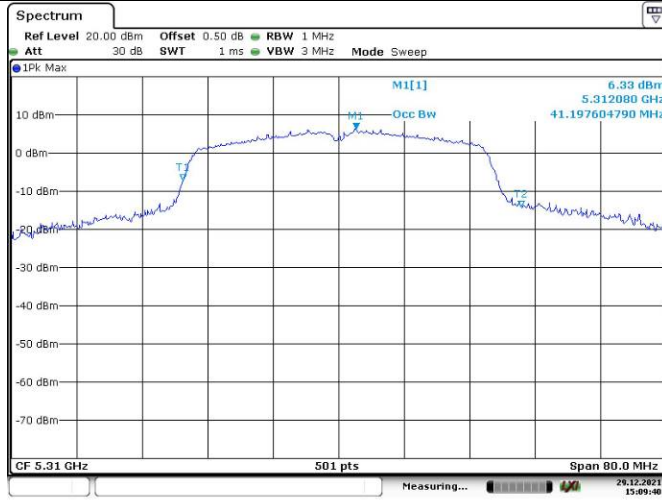
99% Emission Bandwidth

802.11n ht40
Lowest Channel



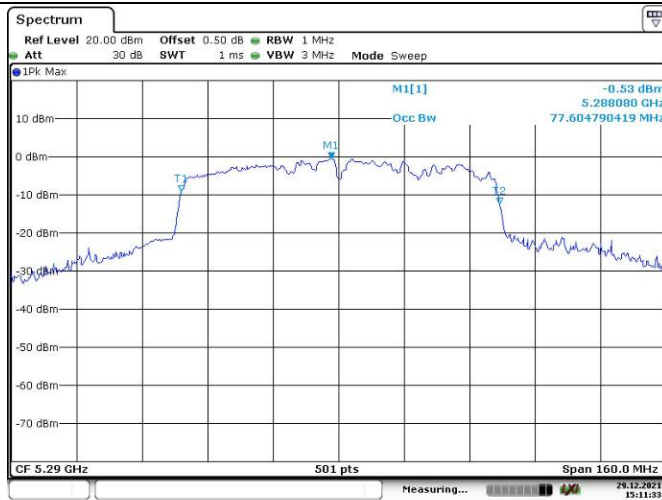
Date: 29.DEC.2021 15:08:24

802.11n ht40
Highest Channel



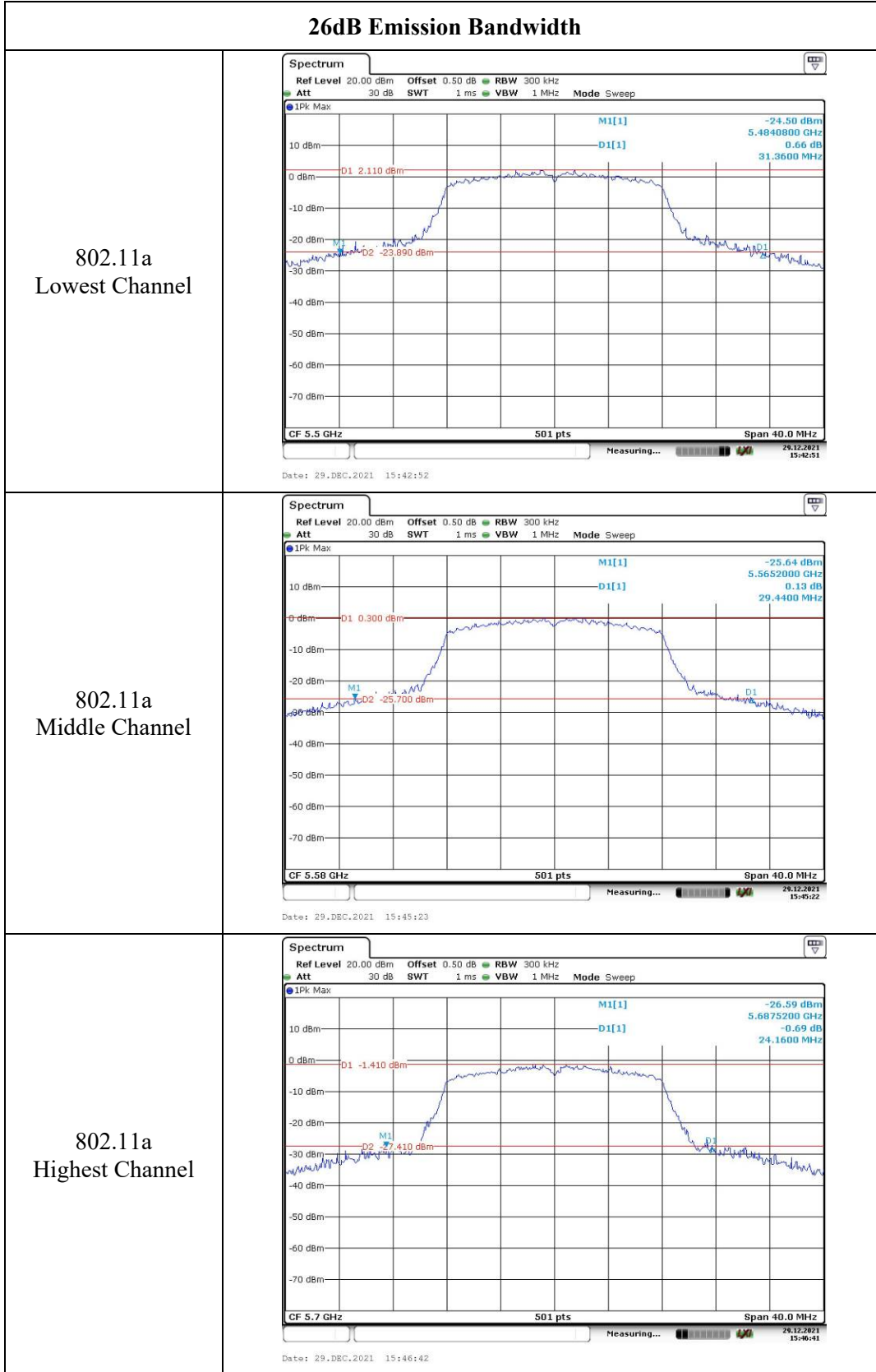
Date: 29.DEC.2021 15:09:41

802.11ac vht80
Middle Channel



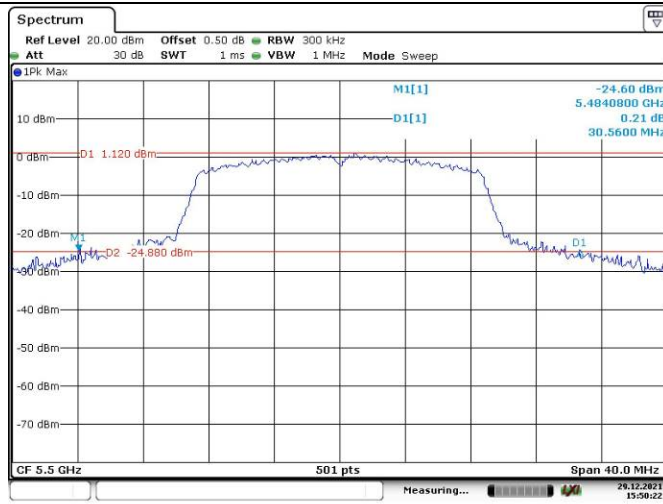
Date: 29.DEC.2021 15:11:34

5470-5725MHz:

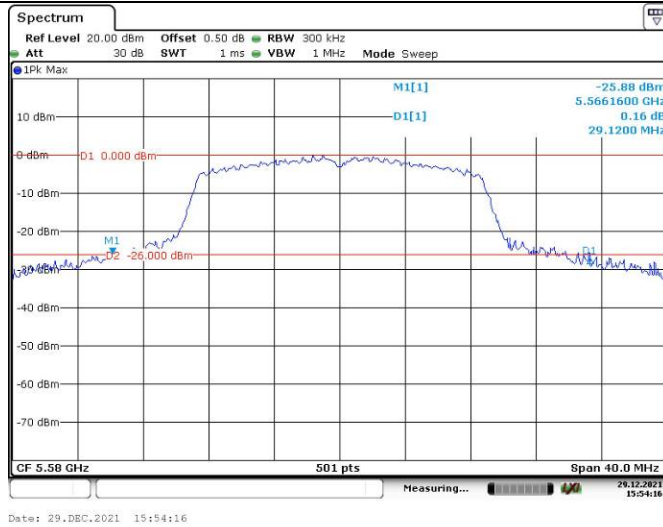


26dB Emission Bandwidth

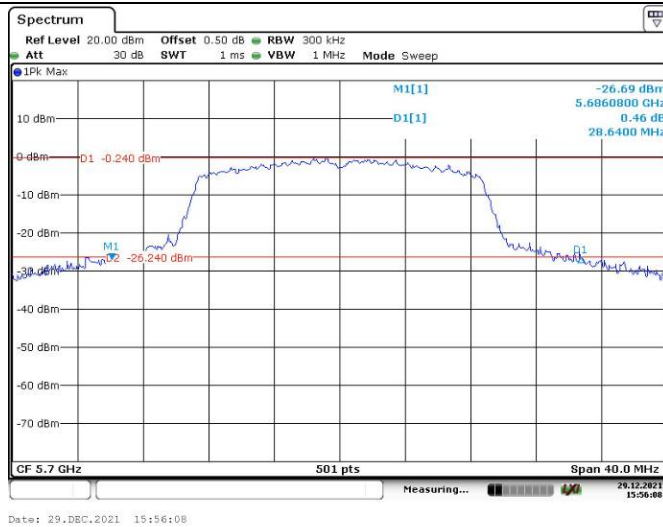
802.11n ht20
Lowest Channel



802.11n ht20
Middle Channel



802.11n ht20
Highest Channel



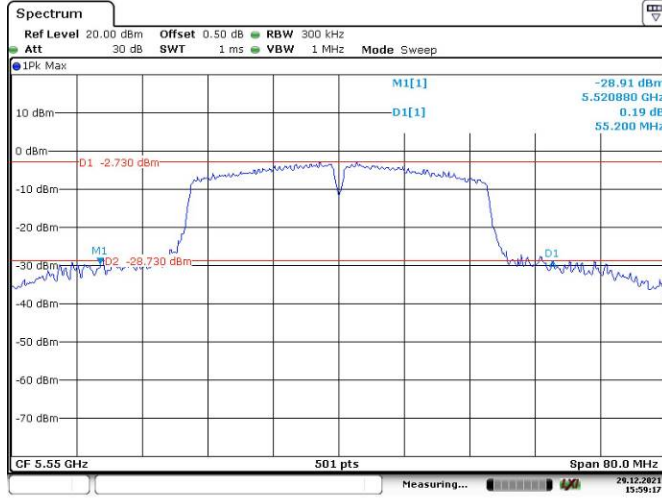
26dB Emission Bandwidth

802.11n ht40
Lowest Channel



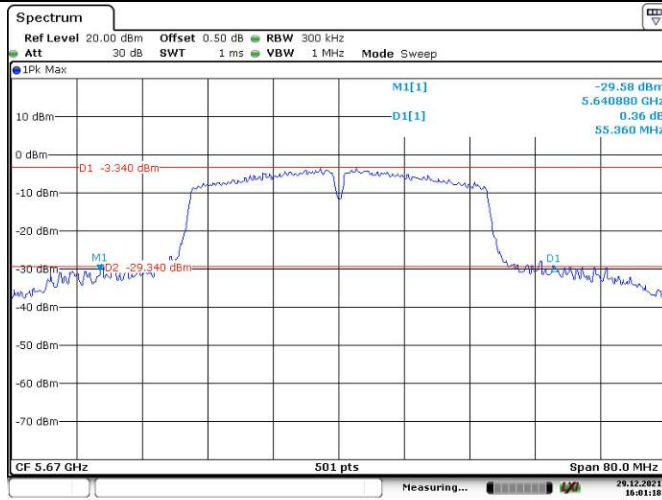
Date: 29.DEC.2021 15:57:54

802.11n ht40
Middle Channel



Date: 29.DEC.2021 15:59:17

802.11n ht40
Highest Channel



Date: 29.DEC.2021 16:01:18

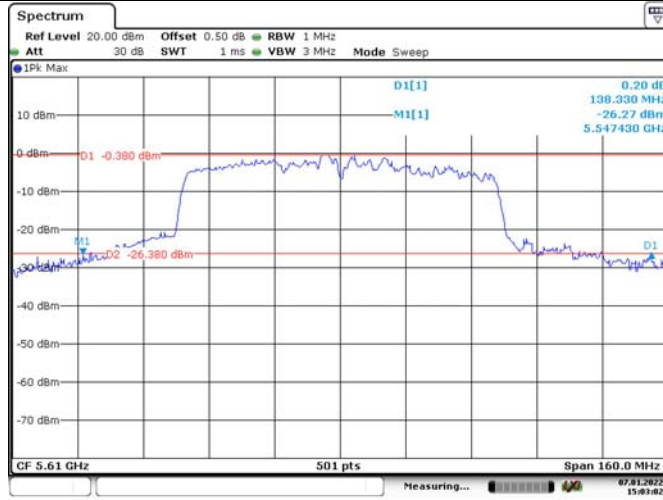
26dB Emission Bandwidth

802.11ac vht80
Lowest Channel



Date: 29.DEC.2021 16:02:50

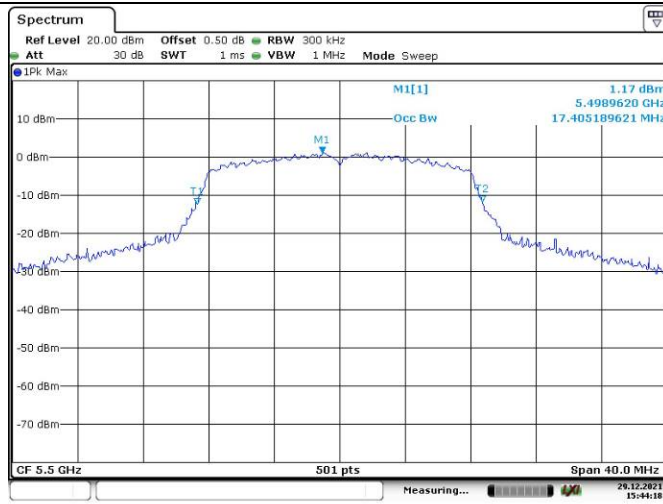
802.11ac vht80
Highest Channel



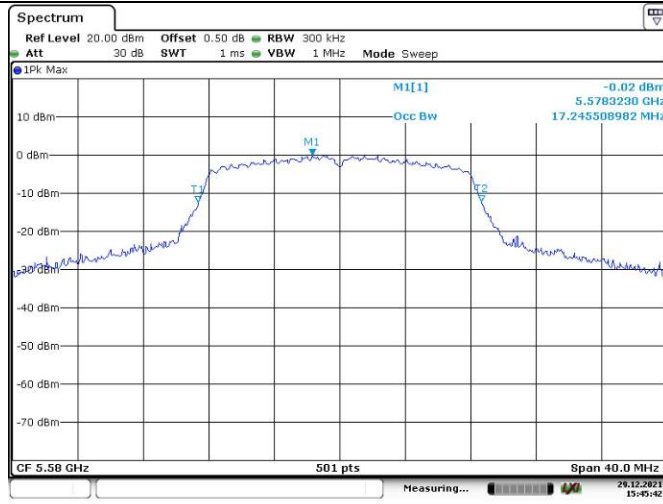
Date: 7.JAN.2022 15:03:02

99% Emission Bandwidth

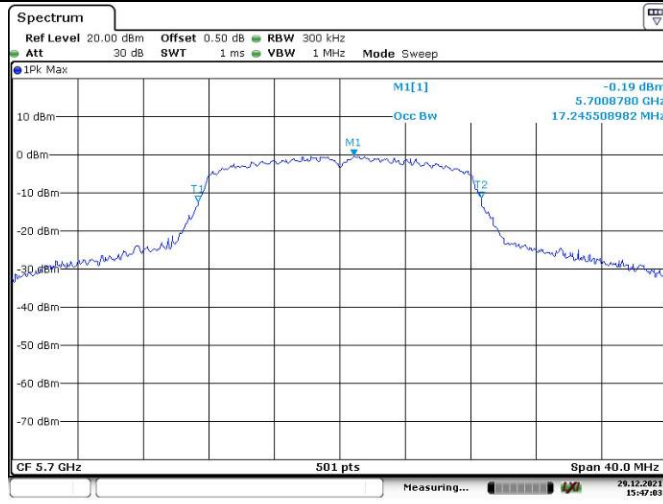
802.11a
Lowest Channel



802.11a
Middle Channel

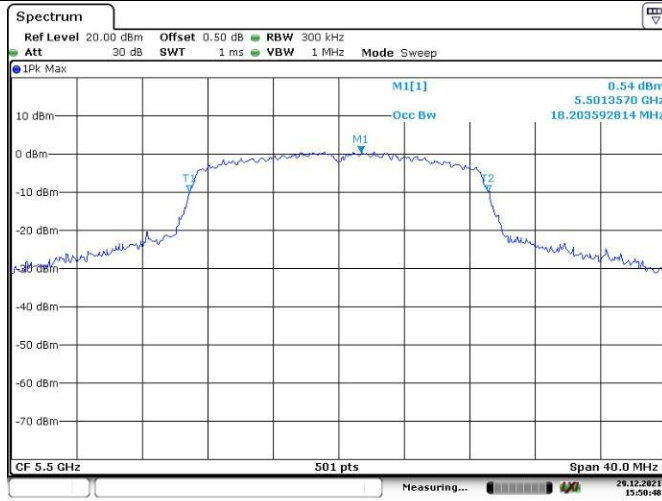


802.11a
Highest Channel



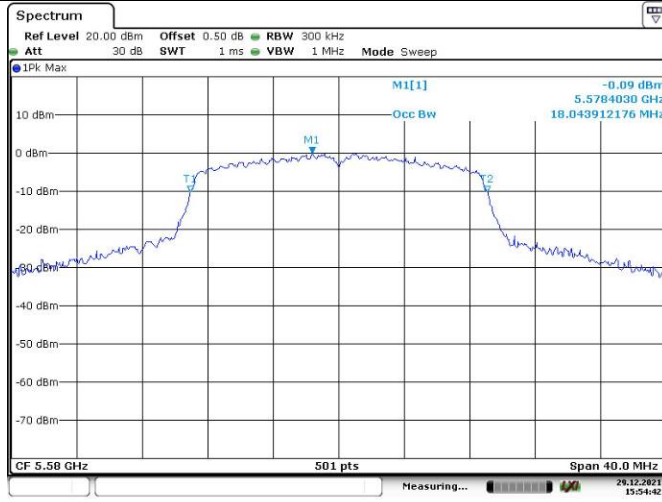
99% Emission Bandwidth

802.11n ht20
Lowest Channel



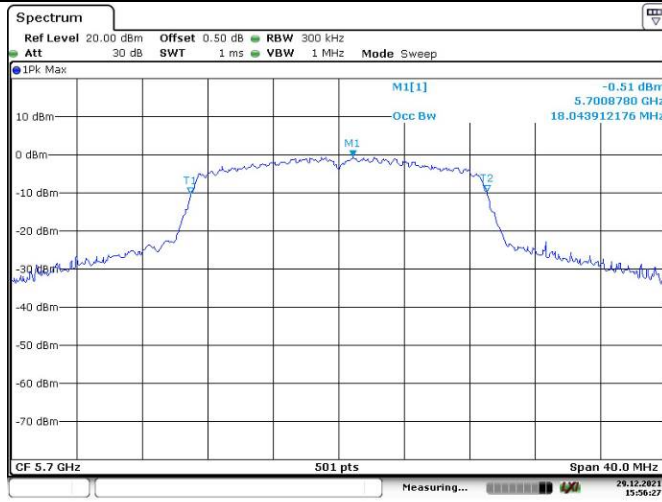
Date: 29.DEC.2021 15:50:48

802.11n ht20
Middle Channel



Date: 29.DEC.2021 15:54:42

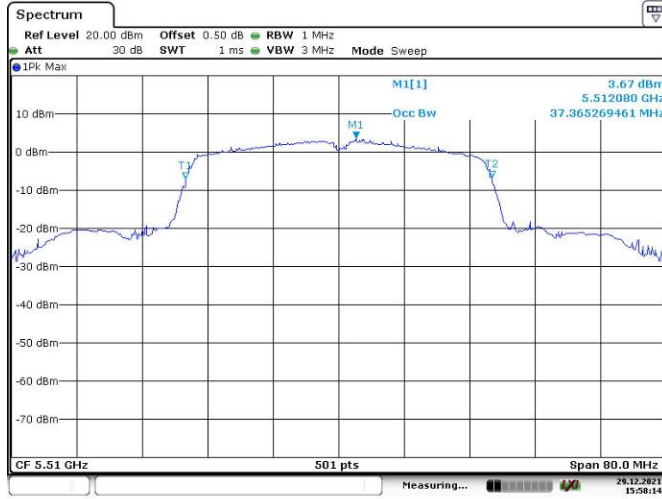
802.11n ht20
Highest Channel



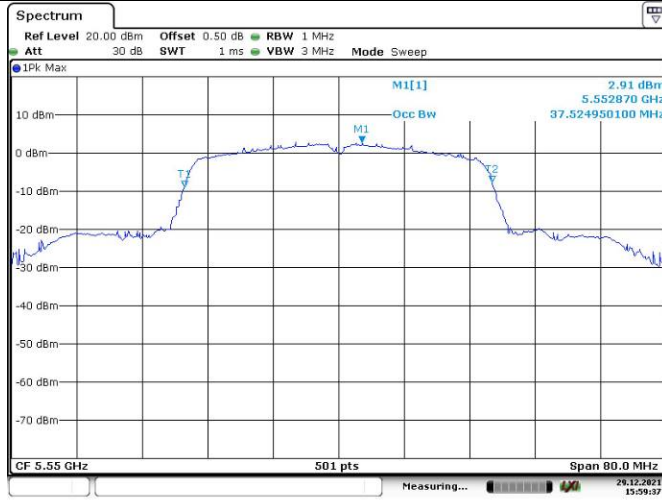
Date: 29.DEC.2021 15:56:27

99% Emission Bandwidth

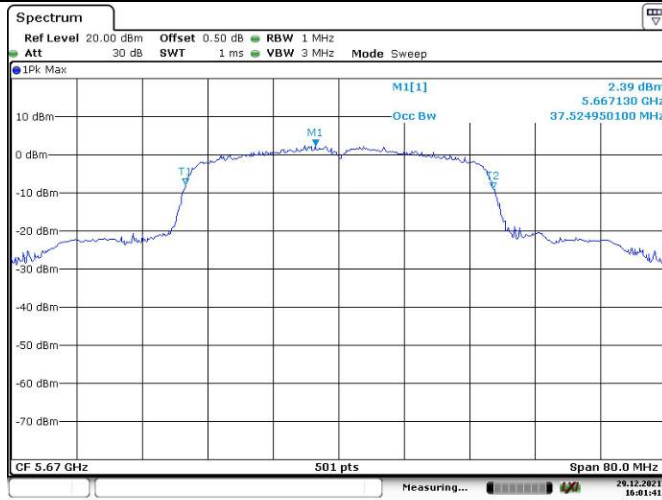
802.11n ht40
Lowest Channel



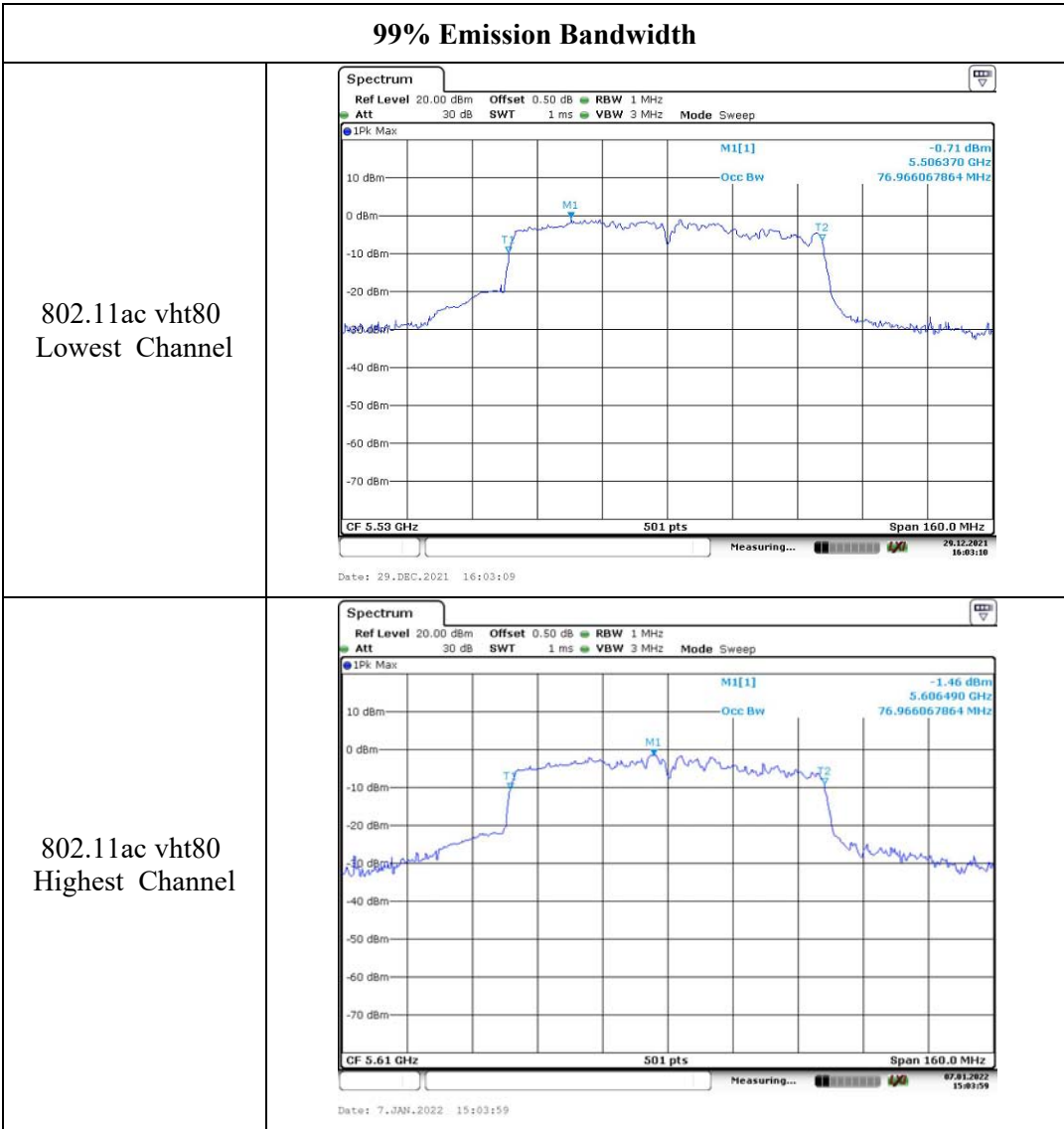
802.11n ht40
Middle Channel



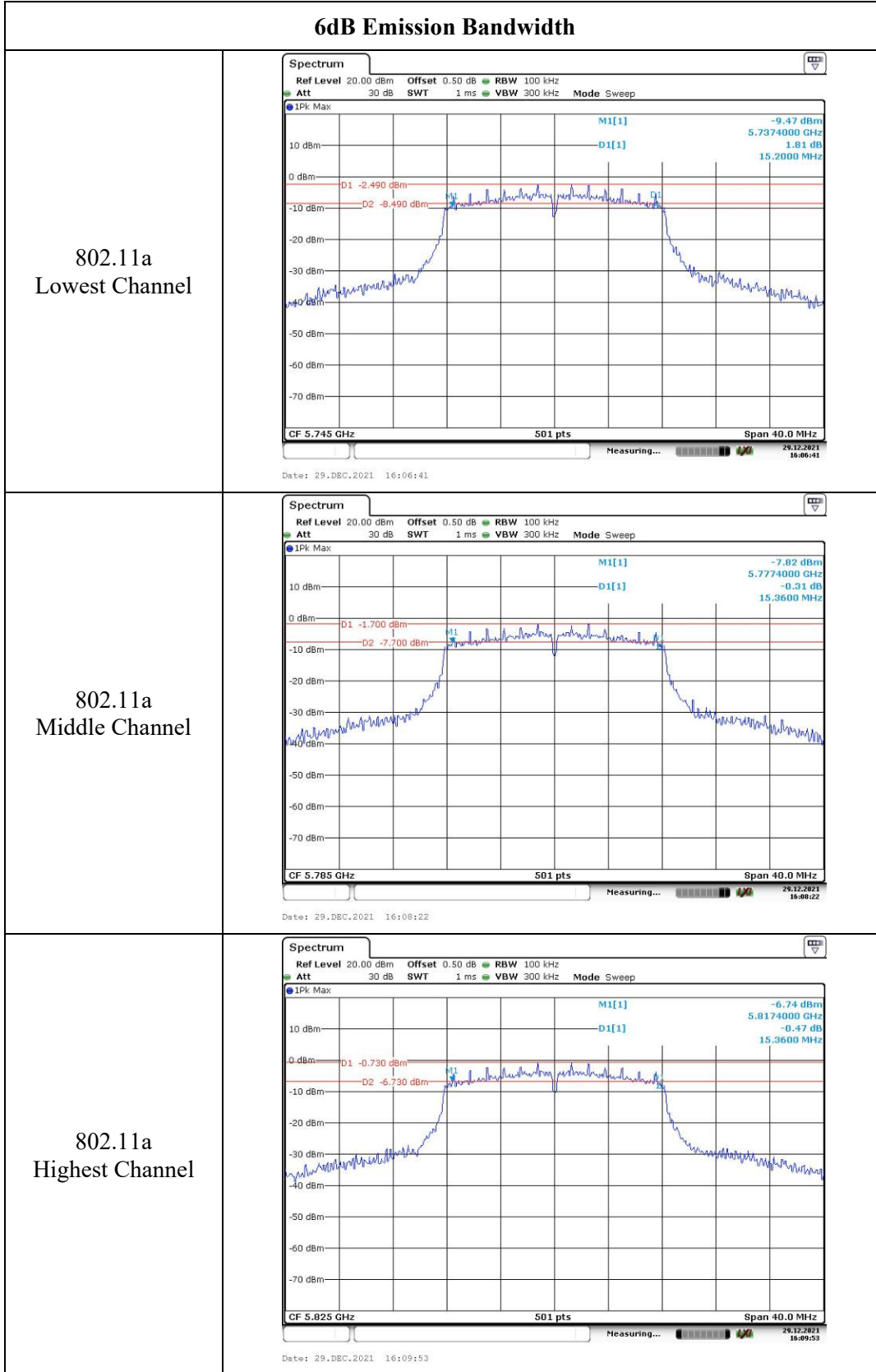
802.11n ht40
Highest Channel



99% Emission Bandwidth

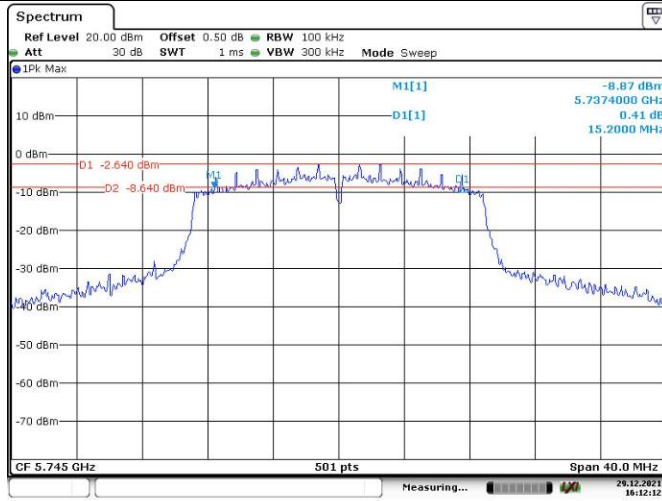


5725-5850MHz:

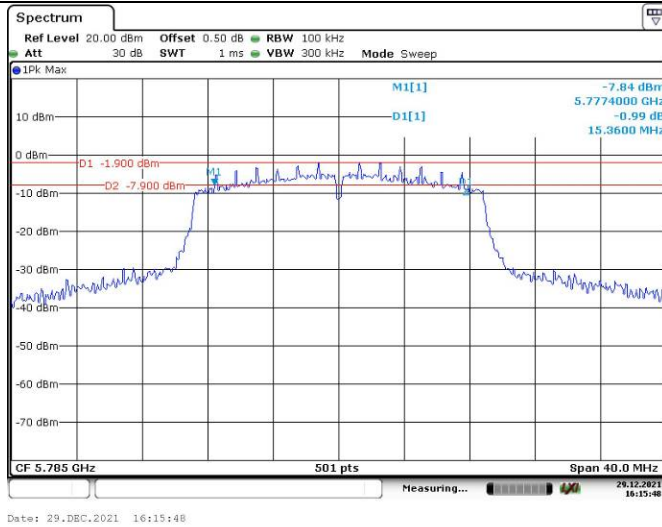


6dB Emission Bandwidth

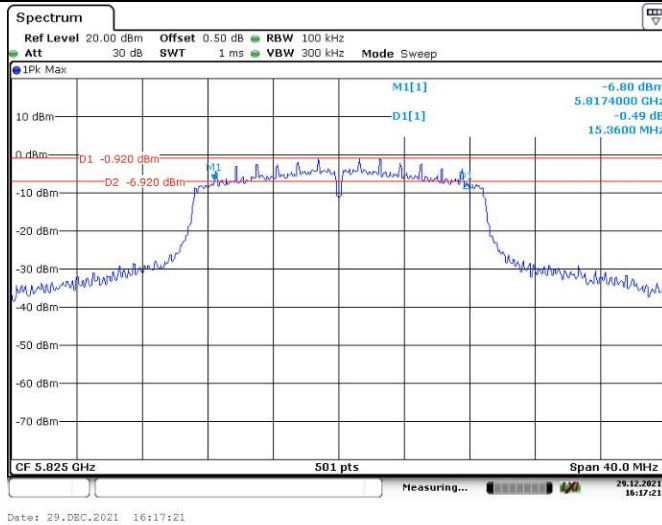
802.11n ht20
Lowest Channel



802.11n ht20
Middle Channel

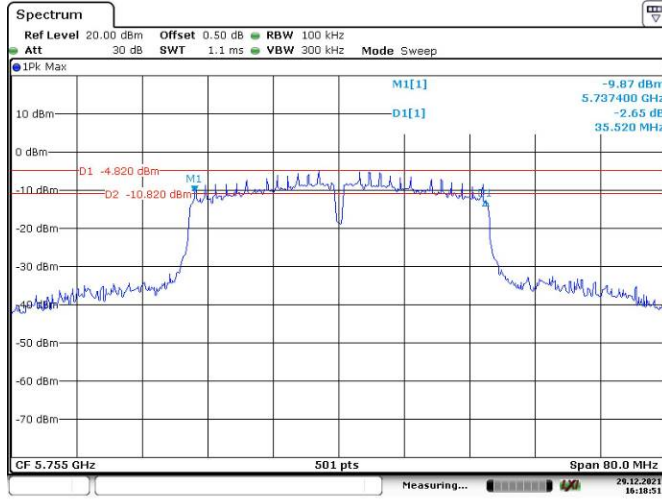


802.11n ht20
Highest Channel



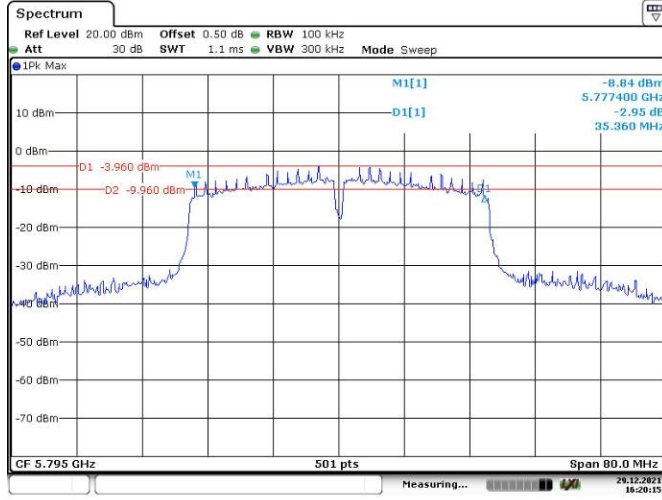
6dB Emission Bandwidth

802.11n ht40
Lowest Channel



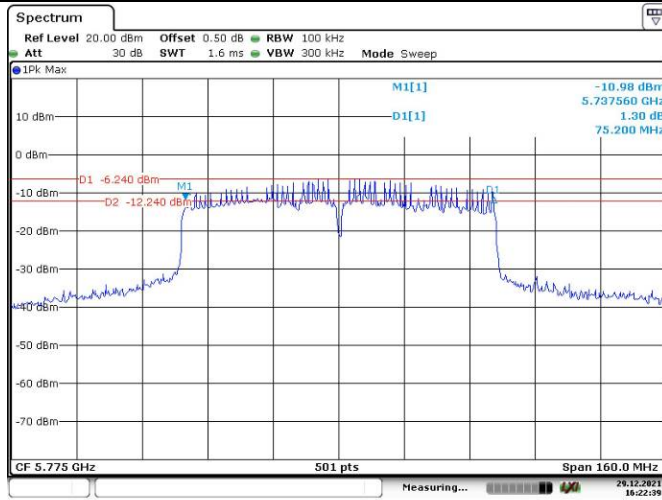
Date: 29.DEC.2021 16:18:51

802.11n ht40
Highest Channel



Date: 29.DEC.2021 16:20:15

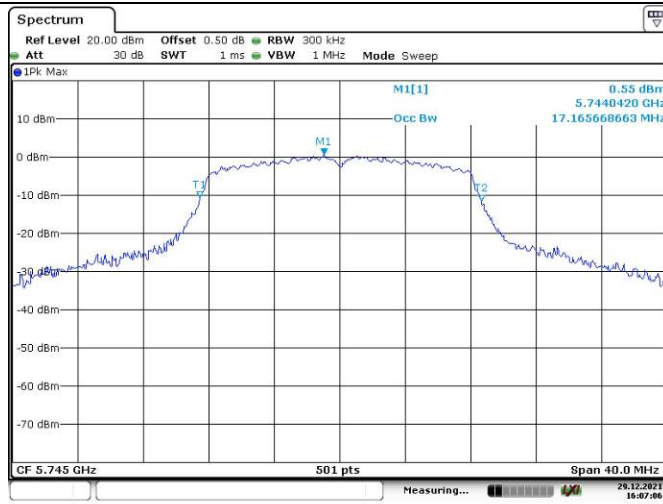
802.11ac vht80
Middle Channel



Date: 29.DEC.2021 16:22:39

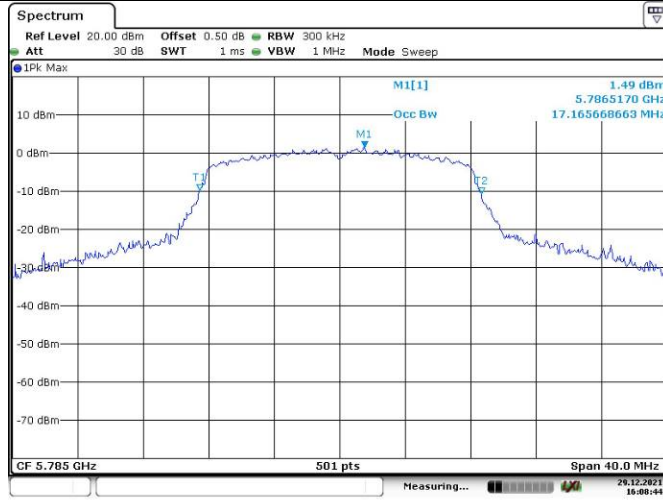
99% Emission Bandwidth

802.11a
Lowest Channel



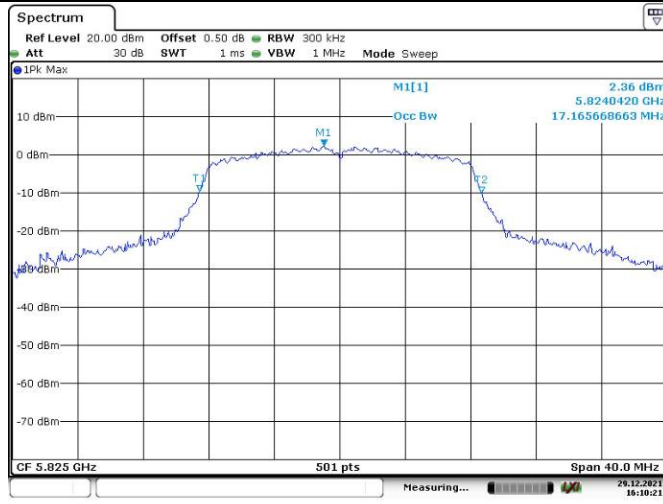
Date: 29.DEC.2021 16:07:06

802.11a
Middle Channel



Date: 29.DEC.2021 16:08:44

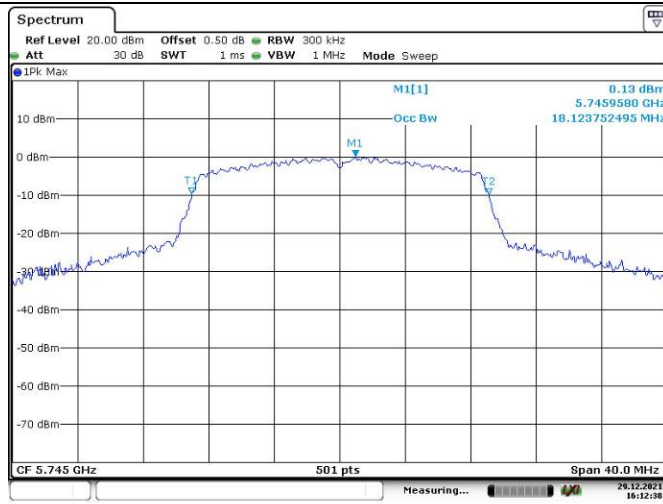
802.11a
Highest Channel



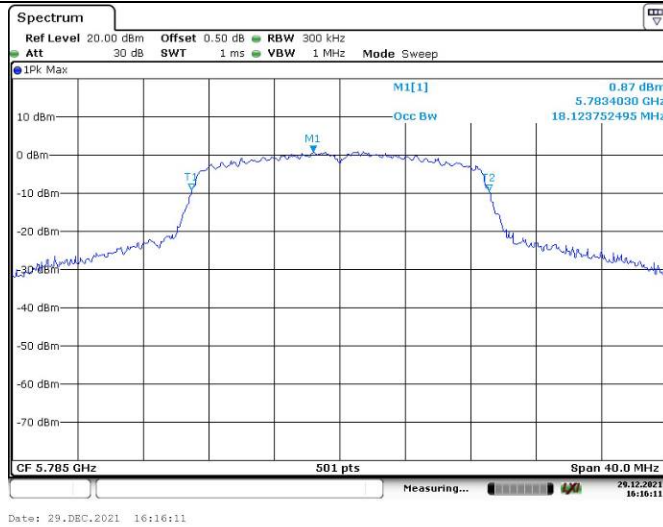
Date: 29.DEC.2021 16:10:21

99% Emission Bandwidth

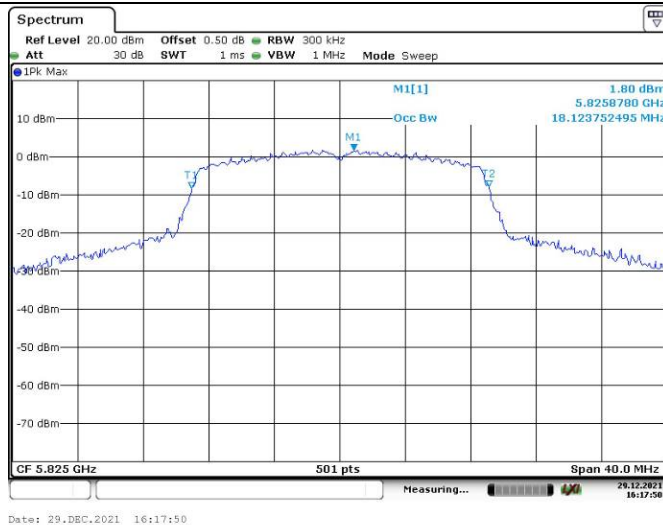
802.11n ht20
Lowest Channel



802.11n ht20
Middle Channel

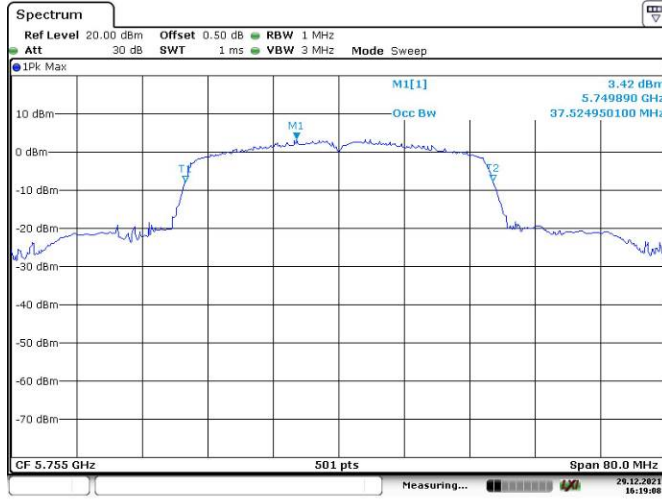


802.11n ht20
Highest Channel



99% Emission Bandwidth

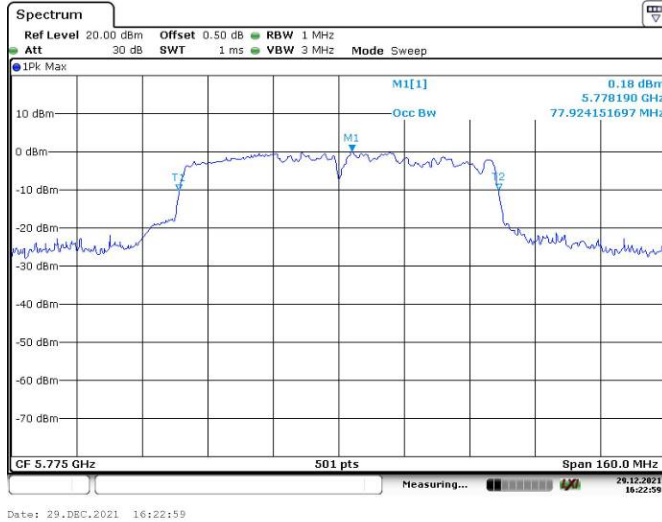
802.11n ht40
Lowest Channel



802.11n ht40
Highest Channel



802.11ac vht80
Middle Channel



4.4 Maximum Conducted Output Power:

Serial Number:	CR21110032-RF-S1	Test Date:	2021/12/29
Test Site:	RF	Test Mode:	Transmitting
Tester:	Wolf Mo	Test Result:	Pass

Environmental Conditions:					
Temperature: (°C)	25.9	Relative Humidity: (%)	60	ATM Pressure: (kPa)	101.8

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Agilent	USB Wideband Power Sensor	U2021XA	MY54080015	2021-07-22	2022-07-21
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	N/A
zhuoxiang	Coaxial Cable	SMA-178	211001	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)	
		Result	Limit
802.11a	5180	13.59	24
	5200	13.28	24
	5240	13.01	24
802.11n ht20	5180	13.23	24
	5200	13.82	24
	5240	13.52	24
802.11n ht40	5190	13.56	24
	5230	13.21	24
802.11ac vht80	5210	13.46	24
Note: The device is a client device. The duty cycle factor has been calculated into the test data.			

5250-5350 MHz:

Test Modes	Test Frequency (MHz)	Max. Conducted Average Output Power(dBm)	
		Result	Limit
802.11a	5260	13.59	24
	5280	13.23	24
	5320	13.04	24
802.11n ht20	5260	13.21	24
	5280	13.65	24
	5320	13.35	24
802.11n ht40	5270	13.64	24
	5310	13.59	24
802.11ac vht80	5290	13.21	24

Note:

The device is a client device.

The duty cycle factor has been calculated into the test data.

5470-5725 MHz:

Test Modes	Test Frequency (MHz)	Max. Conducted Average Output Power(dBm)	
		Result	Limit
802.11a	5500	11.32	24
	5580	11.74	24
	5700	12.36	24
802.11n ht20	5500	11.35	24
	5580	11.69	24
	5700	12.34	24
802.11n ht40	5510	11.07	24
	5550	11.35	24
	5670	11.41	24
802.11ac vht80	5530	11.35	24
	5610	11.25	24

Note:

The device is a client device.

The duty cycle factor has been calculated into the test data.

5725-5850 MHz:

Test Modes	Test Frequency (MHz)	Max. Conducted Average Output Power(dBm)	
		Result	Limit
802.11a	5745	13.45	30
	5785	13.61	30
	5825	13.04	30
802.11n ht20	5745	13.08	30
	5785	13.48	30
	5825	13.52	30
802.11n ht40	5755	13.52	30
	5795	13.37	30
802.11ac vht80	5775	13.66	30

Note:

The duty cycle factor has been calculated into the test data.

4.5 Maximum power spectral density:

Serial Number:	CR21110032-RF-S1	Test Date:	2021/12/29~2022/01/07
Test Site:	RF	Test Mode:	Transmitting
Tester:	Wolf Mo	Test Result:	Pass

Environmental Conditions:					
Temperature: (°C)	20~25.9	Relative Humidity: (%)	56~60	ATM Pressure: (kPa)	101.6~101.8

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101943	2021/10/10	2022/10/9
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)	Maximum Power Spectral Density(dBm/MHz)	
		Result	Limit
802.11a	5180	0.64	11
	5200	0.36	11
	5240	0.44	11
802.11n ht20	5180	1.49	11
	5200	1.17	11
	5240	1.18	11
802.11n ht40	5190	-1.51	11
	5230	-1.89	11
802.11ac vht80	5210	-5.36	11

Note:
The device is a client device.
Method SA-3 in KDB 789033 D02 General UNII Test Procedures New Rules v02r01 was used for PSD test.

5250-5350 MHz:

Test Modes	Test Frequency (MHz)	Maximum Power Spectral Density(dBm/MHz)	
		Result	Limit
802.11a	5260	1.43	11
	5280	2.11	11
	5320	2.90	11
802.11n ht20	5260	1.37	11
	5280	1.96	11
	5320	3.96	11
802.11n ht40	5270	1.29	11
	5310	2.06	11
802.11ac vht80	5290	-4.60	11
Note: The device is a client device. Method SA-3 in KDB 789033 D02 General UNII Test Procedures New Rules v02r01 was used for PSD test.			

5470-5725 MHz:

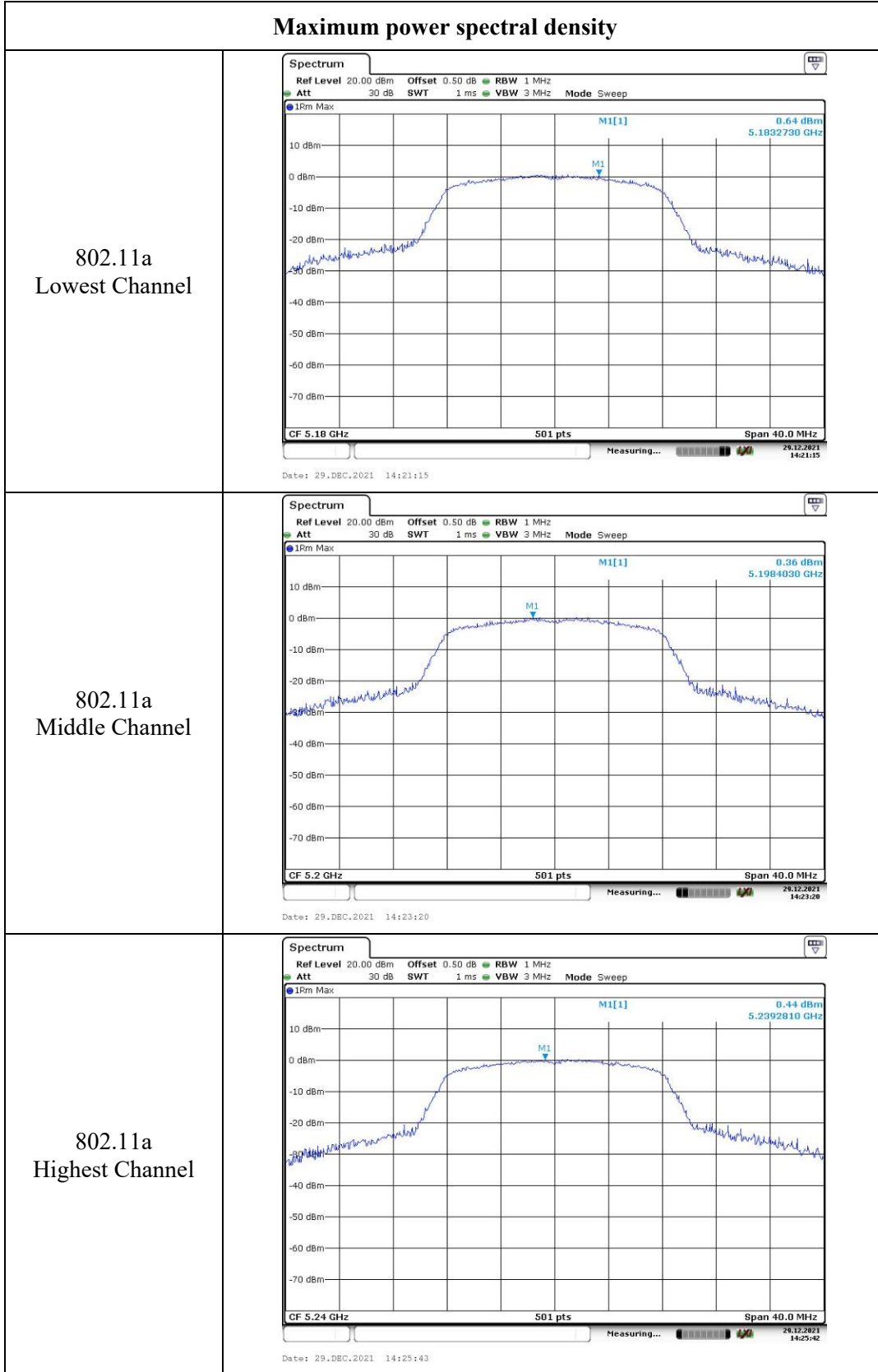
Test Modes	Test Frequency (MHz)	Maximum Power Spectral Density(dBm/MHz)	
		Result	Limit
802.11a	5500	2.88	11
	5580	1.95	11
	5700	1.60	11
802.11n ht20	5500	2.95	11
	5580	1.74	11
	5700	1.21	11
802.11n ht40	5510	-0.77	11
	5550	-0.96	11
	5670	-2.09	11
802.11ac vht80	5530	-5.14	11
	5610	-5.92	11
Note: The device is a client device. Method SA-3 in KDB 789033 D02 General UNII Test Procedures New Rules v02r01 was used for PSD test.			

5725-5850 MHz:

Test Modes	Test Frequency (MHz)	Reading (dBm/300kHz)	Maximum Power Spectral Density(dBm/500kHz)	
			Result	Limit
802.11a	5745	-0.53	1.69	30
	5785	0.27	2.49	30
	5825	1.21	3.43	30
802.11n ht20	5745	-0.88	1.34	30
	5785	-0.26	1.96	30
	5825	0.96	3.18	30
802.11n ht40	5755	-3.40	-1.18	30
	5795	-3.00	-0.78	30
802.11ac vht80	5775	-6.77	-4.55	30

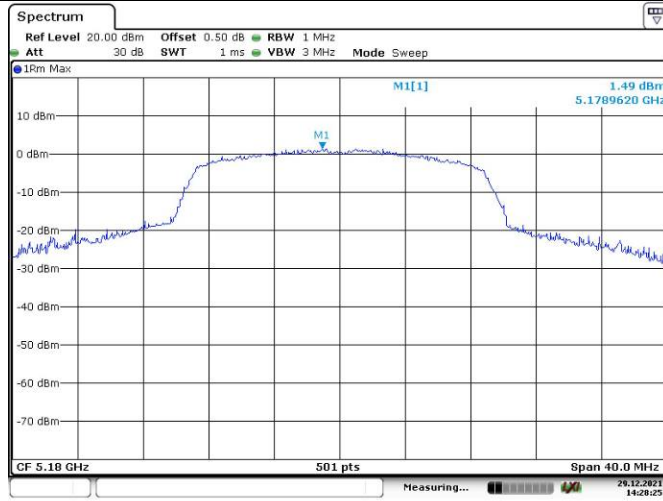
Note: Method SA-3 in KDB 789033 D02 General UNII Test Procedures New Rules v02r01 was used for PSD test.
If measurement bandwidth of Maximum PSD is specified in 500 kHz, add $10\log(500\text{kHz}/\text{RBW})$ to the measured result, whereas RBW (< 500 KHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement

5150-5250MHz:



Maximum power spectral density

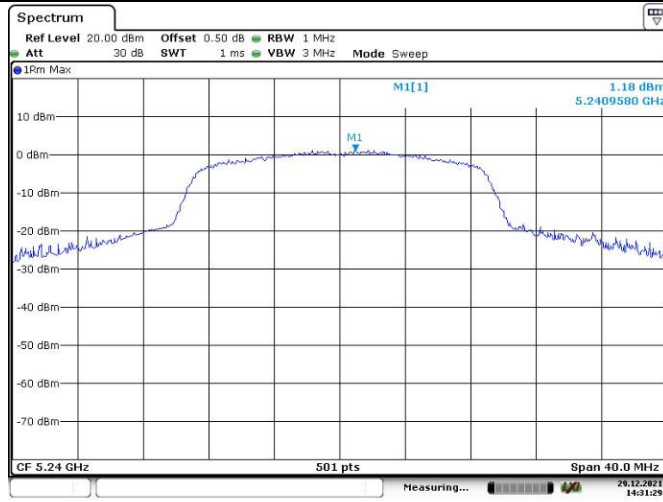
802.11n ht20
Lowest Channel



802.11n ht20
Middle Channel

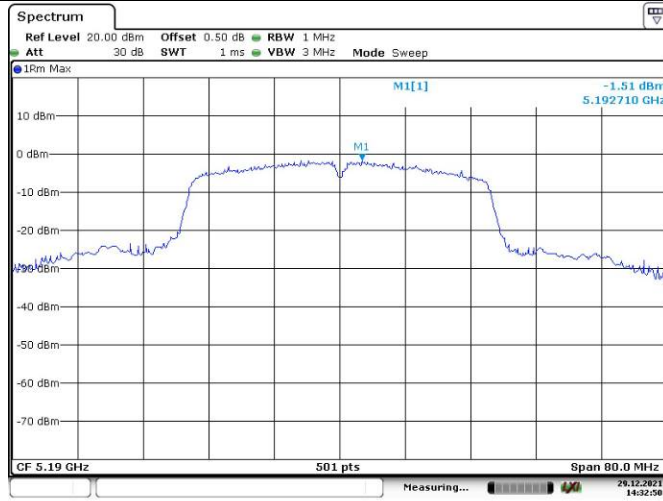


802.11n ht20
Highest Channel



Maximum power spectral density

802.11n ht40
Lowest Channel



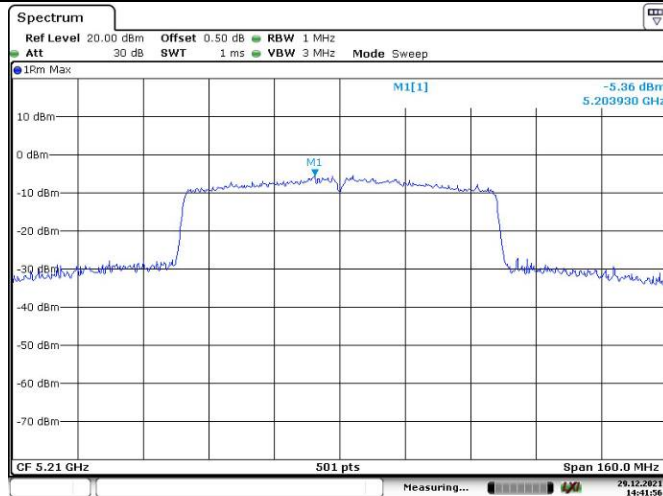
Date: 29.DEC.2021 14:32:51

802.11n ht40
Highest Channel



Date: 29.DEC.2021 14:34:08

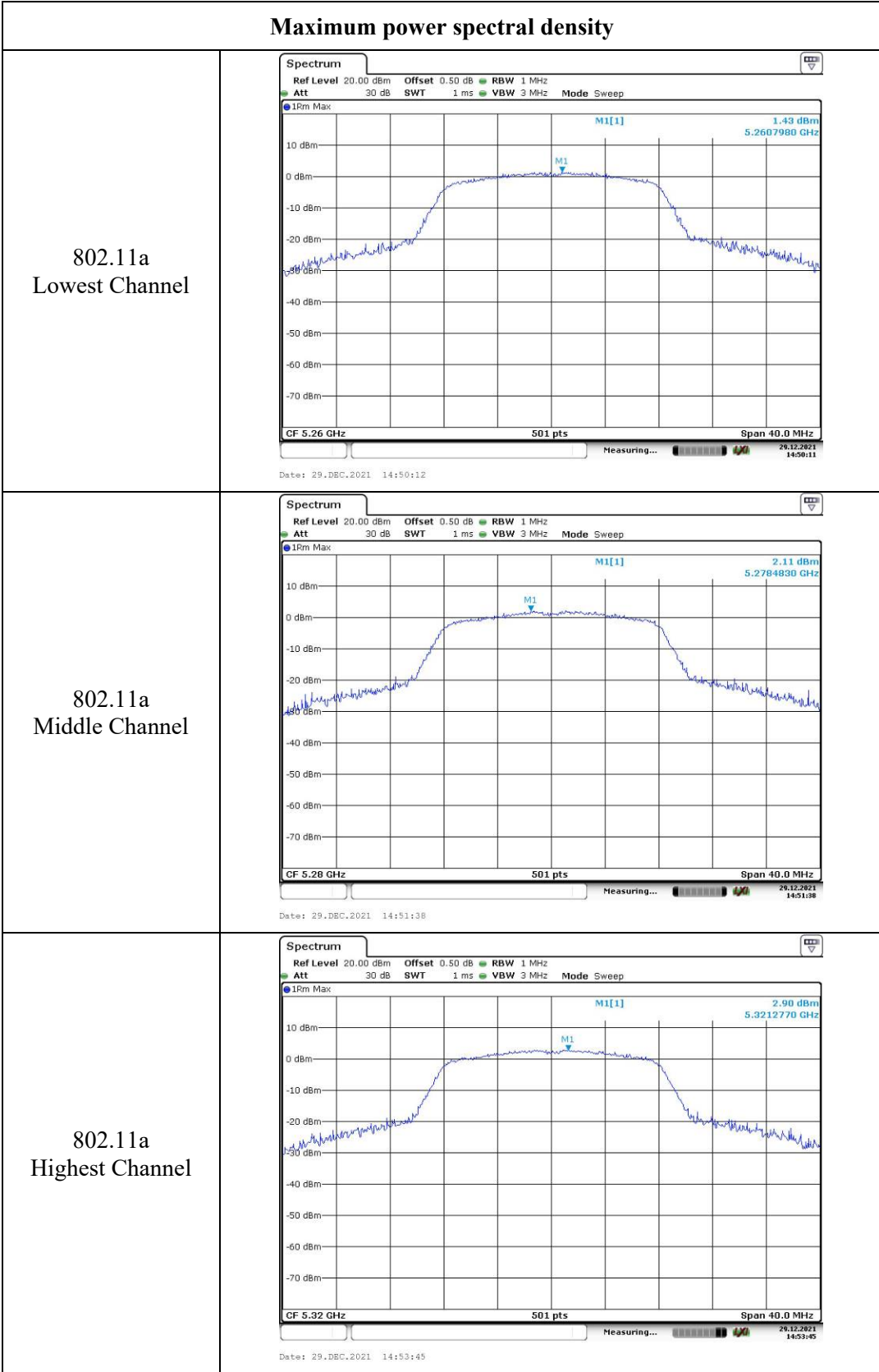
802.11ac vht80
Middle Channel



Date: 29.DEC.2021 14:41:57

5250-5350MHz:

Maximum power spectral density

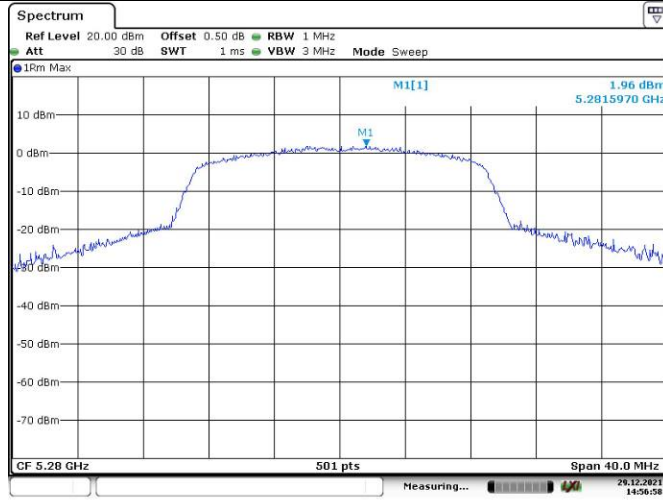


Maximum power spectral density

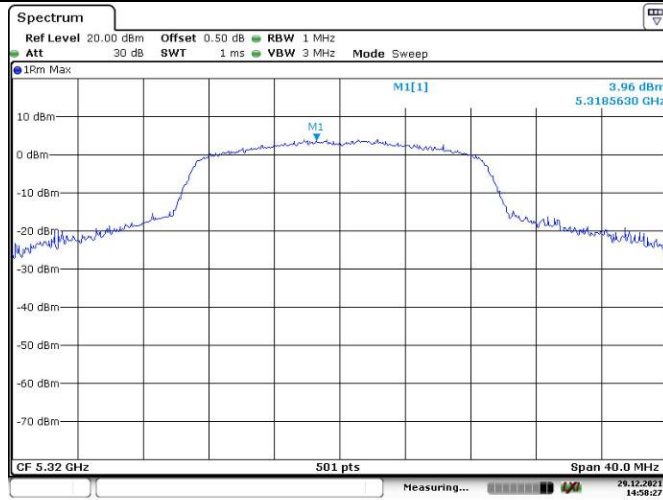
802.11n ht20
Lowest Channel



802.11n ht20
Middle Channel

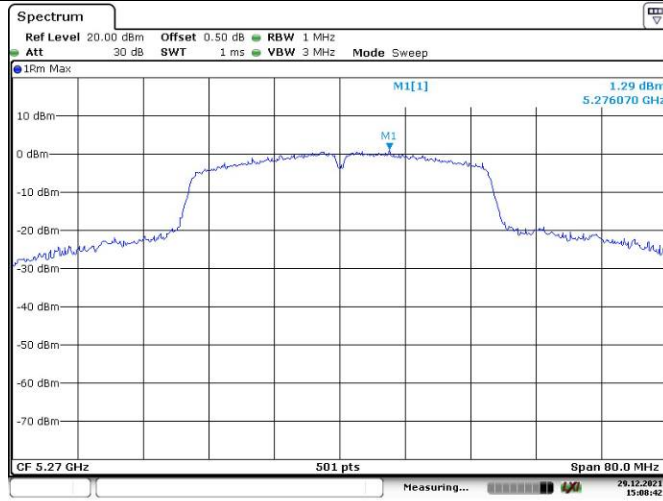


802.11n ht20
Highest Channel



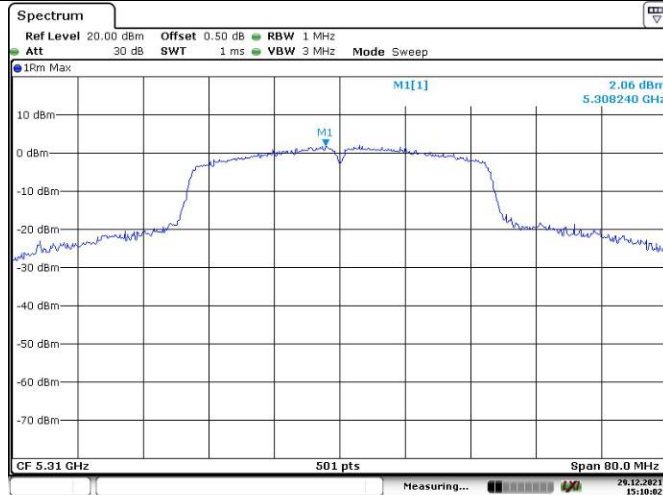
Maximum power spectral density

802.11n ht40
Lowest Channel



Date: 29.DEC.2021 15:08:42

802.11n ht40
Highest Channel



Date: 29.DEC.2021 15:10:02

802.11ac vht80
Middle Channel



Date: 29.DEC.2021 15:11:59