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FCC UNII REPORT

Certification

Applicant Name:
SAMSUNG Electronics Co., Ltd.

Date of Issue:
December 09, 2021

Address:
129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Rep. of Korea

Test Site/Location:
74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, 17383 KOREA

Report No.: HCT-RF-2111-FC090-R2

FCC ID:	**A3LSMX706B**
APPLICANT:	**SAMSUNG Electronics Co., Ltd.**
Model:	SM-X706B
EUT Type:	Tablet
Modulation type	OFDMA
FCC Classification:	Unlicensed National Information Infrastructure(NII)
FCC Rule Part(s):	Part 15.407

Engineering Statement:

The measurements shown in this report were made in accordance with the procedures indicated, and the emissions from this equipment were found to be within the limits applicable. I assume full responsibility for the accuracy and completeness of these measurements, and for the qualifications of all persons taking them. It is further stated that upon the basis of the measurements made, the equipment tested is capable of operation in accordance with the requirements of the FCC Rules under normal use and maintenance.

REVIEWED BY

Report prepared by : Jeong Ho Kim
Engineer of Telecommunication Testing Center

Report approved by : Jong Seok Lee
Manager of Telecommunication Testing Center

This test results were applied only to the test methods required by the standard.

This laboratory is not accredited for the test results marked *.
The above Test Report is the accredited test result by (KS Q) ISO/IEC 17025 and KOLAS(Korea Laboratory Accreditation Scheme), which signed the ILAC-MRA. (HCT Accreditation No.: KT197)

Version

TEST REPORT NO.	DATE	DESCRIPTION
HCT-RF-2111-FC090	November 30, 2021	- First Approval Report
HCT-RF-2111-FC090-R1	December 07, 2021	- Page 7. Antenna configurations revised - MIMO Ant 1 & MIMO Ant 2 are revised
HCT-RF-2111-FC090-R2	December 09, 2021	- Page 9. Add the sample calculation

Table of Contents

1. GENERAL INFORMATION

EUT DESCRIPTION

Model	SM-X706B	
Additional Model	-	
EUT Type	Tablet	
Power Supply	DC 3.86 V	
Modulation Type	OFDMA	
Frequency Range (MHz)	U-NII-1	20 MHz BW : 5180 - 5240 40 MHz BW : 5190 - 5230 80 MHz BW : 5210 160 MHz BW : 5250
	U-NII-2A	20 MHz BW : 5260 - 5320 40 MHz BW : 5270 - 5310 80 MHz BW : 5290 160 MHz BW : 5250
	U-NII-2C	20 MHz BW : 5500 - 5720 40 MHz BW : 5510 - 5710 80 MHz BW : 5530 – 5690 160 MHz BW : 5570
	U-NII-3	20 MHz BW : 5745 - 5825 40 MHz BW : 5755 - 5795 80 MHz BW : 5775 160 MHz BW : 5815
	U-NII-4	20 MHz BW : 5845 - 5885 40 MHz BW : 5835 - 5875 80 MHz BW : 5855 160 MHz BW : 5815
Straddle channel	Supported	
TDWR Band	Supported	
Dynamic Frequency Selection	Slave without radar detection	
Date(s) of Tests	October 28, 2021 ~ November 30, 2021	
Serial number	Radiated: R32R8005JJT Conducted: R32R80056RR	

ANTENNA CONFIGURATIONS

Configurations	SISO		MIMO	
	Ant.1	Ant.2	SDM	CDD
802.11ax	X	X	O	O

Note:

(1) O = Support, X = Not Support

(2) SISO = Single Input Single Output

(3) SDM = Spatial Diversity Multiplexing

(4) CDD = Cyclic Delay Diversity

(5) SISO test was performed for the MIMO test result.

2.This device supports simultaneous transmission operation, which allows for two channels to operate independent of one another in the 2.4 GHz and 5 GHz bands simultaneously on each antenna.

RSDB Scenario	2.4 GHz WiFi Ant.1	2.4 GHz WiFi Ant.2	5 GHz WiFi Ant.1	5 GHz WiFi Ant.2	6 GHz WiFi Ant.1	6 GHz WiFi Ant.2	Bluetooth Ant.1	Bluetooth Ant.2	Test case
2.4 GHz WiFi MIMO + 6 GHz WiFi MIMO	on	on			on	on			
2.4 GHz WiFi MIMO + 5 GHz WiFi MIMO	on	on	on	on					Case 1
Bluetooth ANT.1 + 2.4 GHz WiFi ANT.2 + 5 GHz WiFi MIMO		on	on	on			on		
Bluetooth ANT.1 + 2.4 GHz WiFi ANT.2 + 6 GHz WiFi MIMO		on			on	on	on		

Non-DBS	2.4 GHz WiFi Ant.1	2.4 GHz WiFi Ant.2	5 GHz WiFi Ant.1	5 GHz WiFi Ant.2	6 GHz WiFi Ant.1	6 GHz WiFi Ant.2	Bluetooth Ant.1	Bluetooth Ant.2	Test case
Bluetooth ANT.2 + 6 GHz WiFi MIMO					on	on		on	
Bluetooth ANT.2 + 5GHz WiFi MIMO			on	on				on	
Bluetooth ANT.1 + 6 GHz WiFi MIMO					on	on	on		
Bluetooth ANT.1 + 5GHz WiFi MIMO			on	on	-	-	on	-	Case 2

3. Directional Gain Calculation

According to KDB 662911 D01 Multiple Transmitter Output v02r01 F) 2) f) (ii)

Directional gain =

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$

Band	Ant Gain (dBi)		N_{ANT}/ N_{ss}	Directional Gain (dBi)
UNII 1	ANT1	-5.25	2 / 2	CDD : -3.69 SDM : -5.25
	ANT2	-8.44		
UNII 2A	ANT1	-4.84	2 / 2	CDD : -3.29 SDM : -4.84
	ANT2	-8.06		
UNII 2C	ANT1	-5.08	2 / 2	CDD : -3.28 SDM : -5.08
	ANT2	-7.69		
UNII 3	ANT1	-5.62	2 / 2	CDD : -3.86 SDM : -5.62
	ANT2	-8.32		
UNII 4	ANT1	-5.50	2 / 2	CDD : -3.52 SDM : -5.50
	ANT2	-7.70		

Sample Calculation

Directional Gain = 10*LOG(((10$^{(ANT1\ Gain/20)}$+10$^{(ANT2\ Gain/20)}$)^2)/2) dBi

2. MAXIMUM OUTPUT POWER

The transmitter has a maximum total conducted average output power as follows:

Band	Mode	SUM	
		(Ant 1 + Ant 2) Power	
		(dBm)	(W)
UNII1	802.11ax (HE20)	20.04	0.101
	802.11ax (HE40)	19.14	0.082
	802.11ax (HE80)	17.44	0.055
UNII2A	802.11ax (HE20)	20.31	0.107
	802.11ax (HE40)	18.91	0.078
	802.11ax (HE80)	17.23	0.053
UNII 1&2A	802.11ax (HE160)	16.93	0.049
UNII2C	802.11ax (HE20)	19.99	0.100
	802.11ax (HE40)	19.22	0.084
	802.11ax (HE80)	17.67	0.059
UNII 2A&2C	802.11ax (HE160)	16.90	0.049
UNII3	802.11ax (HE20)	13.93	0.025
	802.11ax (HE40)	14.12	0.026
	802.11ax (HE80)	13.44	0.022
UNII4	802.11ax (HE20)	14.31	0.027
	802.11ax (HE40)	14.07	0.026
	802.11ax (HE80)	14.05	0.025
UNII 4	802.11ax (HE160)	13.93	0.025

Band	Mode	SUM	
		(Ant 1 + Ant 2) EIRP Power	
		(dBm)	(W)
UNII4	802.11ax (HE20)	10.79	0.012
	802.11ax (HE40)	10.55	0.011
	802.11ax (HE80)	10.53	0.011
UNII 4	802.11ax (HE160)	10.41	0.011

3. TEST METHODOLOGY

The measurement procedure described in FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01 dated December 14, 2017 entitled “Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part15, Subpart E” and ANSI C63.10(Version : 2013) ‘the American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices’ were used in the measurement. Additionally, for U-NII-4 band, use the following measurement procedure KDB 291074 U-NII-4 5.9 Band DR01-44460

EUT CONFIGURATION

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

EUT EXERCISE

The EUT was operated in the engineering mode to fix the Tx frequency that was for the purpose of the measurements. According to its specifications, the EUT must comply with the requirements of the Section 15.207, 15.209 and 15.407 under the FCC Rules Part 15 Subpart E.

GENERAL TEST PROCEDURES

Conducted Emissions

The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 6.2 of ANSI C63.10. (Version :2013) Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-peak and average detector modes.

Radiated Emissions

The EUT is placed on a turn table, which is 0.8 m above ground plane below 1 GHz. Above 1 GHz with 1.5 m using absorbers between the EUT and receive antenna. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3 m away from the receiving antenna, which varied from 1 m to 4 m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the max. emission, the relative positions of this hand-held transmitter (EUT) was rotated through three orthogonal axes according to the requirements in Section 6.6.5 of ANSI C63.10. (Version: 2013)

DESCRIPTION OF TEST MODES

The EUT has been tested under operating condition. Test program used to control the EUT for staying in continuous transmitting and receiving mode is programmed.

4. INSTRUMENT CALIBRATION

The measuring equipment, which was utilized in performing the tests documented herein, has been calibrated in accordance with the manufacturer's recommendations for utilizing calibration equipment's, which is traceable to recognized national standards.
Especially, all antenna for measurement is calibrated in accordance with the requirements of C63.5 (Version : 2017).

5. FACILITIES AND ACCREDITATIONS

5.1 FACILITIES

The SAC(Semi-Anechoic Chamber) and conducted measurement facility used to collect the radiated data are located at the 74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, 17383, Rep. of KOREA. The site is constructed in conformance with the requirements of ANSI C63.4. (Version :2014) and CISPR Publication 22.
Detailed description of test facility was submitted to the Commission and accepted dated April 02, 2018 (Registration Number: KR0032).

5.2 EQUIPMENT

Radiated emissions are measured with one or more of the following types of Linearly polarized antennas: tuned dipole, bi-conical, log periodic, bi-log, and/or ridged waveguide, horn. Spectrum analyzers with pre-selectors and quasi-peak detectors are used to perform radiated measurements.
Conducted emissions are measured with Line Impedance Stabilization Networks and EMI Test Receivers. Calibrated wideband preamplifiers, coaxial cables, and coaxial attenuators are also used for making measurements.
All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

6. ANTENNA REQUIREMENTS

According to FCC 47 CFR §15.203, §15.407:

"An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can 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."

(1) The antennas of this E.U.T are permanently attached.

(2) The E.U.T Complies with the requirement of §15.203, §15.407

7. MEASUREMENT UNCERTAINTY

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.10-2013.

All measurement uncertainty values are shown with a coverage factor of k = 2 to indicate a 95 % level of confidence.

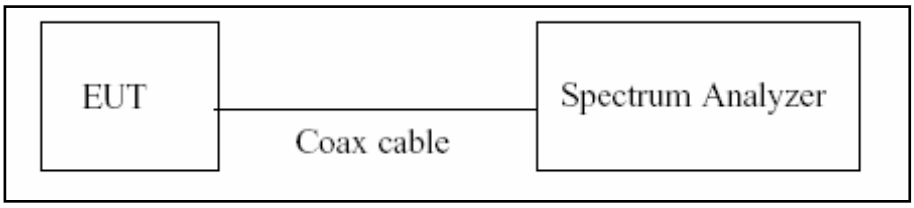
The measurement data shown herein meets or exceeds the U_{CISPR} measurement uncertainty values specified in CISPR 16-4-2 and, thus, can be compared directly to specified limits to determine compliance.

Parameter	Expanded Uncertainty (dB)
Conducted Disturbance (150 kHz ~ 30 MHz)	1.82 (Confidence level about 95 %, k=2)
Radiated Disturbance (9 kHz ~ 30 MHz)	3.40 (Confidence level about 95 %, k=2)
Radiated Disturbance (30 MHz ~ 1 GHz)	4.80 (Confidence level about 95 %, k=2)
Radiated Disturbance (1 GHz ~ 18 GHz)	5.70 (Confidence level about 95 %, k=2)
Radiated Disturbance (18 GHz ~ 40 GHz)	5.05 (Confidence level about 95 %, k=2)

8. DESCRIPTION OF TESTS

8.1. Duty Cycle

Test Configuration



Test Procedure

The transmitter output is connected to the Spectrum Analyzer.

We tested according to Procedure B.2 in KDB 789033 D02 v02r01.

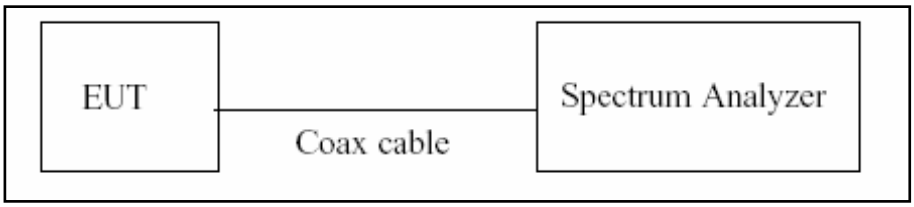
1. RBW = 8 MHz (the largest availble value)
2. VBW = 8 MHz (≥ RBW)
3. SPAN = 0 Hz
4. Detector = Peak
5. Number of points in sweep > 100
6. Trace mode = Clear write
7. Measure T_{total} and T_{on}
8. Calculate Duty Cycle = T_{on}/ T_{total} and Duty Cycle Factor = 10log(1/Duty Cycle)

8.2. 6 dB Bandwidth & 26 dB Bandwidth

Limit

Within the 5.725-5.85 GHz(NII-3) &5.85-5.925 GHz(NII-4) band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

Test Configuration



Test Procedure(26 dB Bandwidth)

The transmitter output is connected to the Spectrum Analyzer.

We tested according to Procedure C.1 in KDB 789033 D02 v02r01.

1. RBW = approximately 1 % of the emission bandwidth
2. VBW > RBW
3. Detector = Peak
4. Trace mode = Max Hold
5. Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1 %.

Test Procedure (6 dB Bandwidth)

The transmitter output is connected to the Spectrum Analyzer.

We tested according to Procedure C.2 in KDB 789033 D02 v02r01.

1. RBW = 100 kHz
2. VBW ≥ 3 x RBW
3. Detector = Peak
4. Trace mode = Max Hold
5. Allow the trace to stabilize
6. 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 lever measured in the fundamental emission.

Note:

1. We tested X dB bandwidth using the automatic bandwidth measurement capability of a spectrum analyzer.
2. DFS test channels should be defined. So, We performed the OBW test to prove that no part of the fundamental emissions of any channels belong to UNII1 and UNII3 band for DFS.
3. The 26 dB bandwidth is used to determine the conducted power limits.

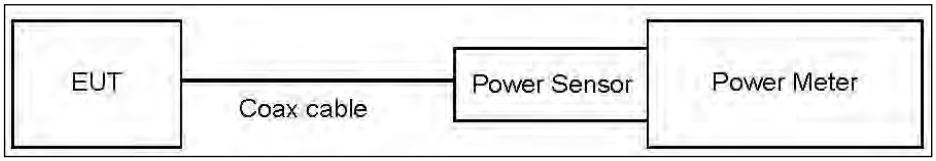
8.3. Output Power Measurement

Limit

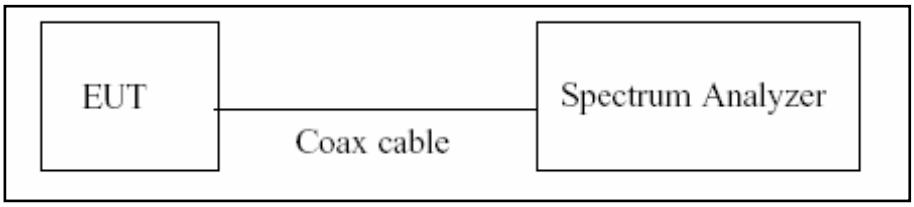
Band	Limit
UNII 1	- Master : Not exceed 1 W(=30 dBm) - Slave : Not exceed 250 mW(=23.98 dBm)
UNII 2A, 2C	Not exceed the lesser of 250 mW or 11 dBm + 10 log B, (where B is the 26 dB emission bandwidth in megahertz.)
UNII 3	Not exceed 1 W(=30 dBm)
UNII 4	EIRP 30 dBm

Test Configuration

Power Meter



Spectrum Analyzer(Only Straddle Channel)



Test Procedure(Power Meter)

We tested according to Procedure E.3.a in KDB 789033 D02 v02r01.

1. Measure the duty cycle.
2. Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.
3. Add 10 log (1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times.

Test Procedure(Spectrum Analyzer)

The transmitter output is connected to the Spectrum Analyzer.

We use the spectrum analyzer's integrated band power measurement function.

We tested according to Procedure E.2.d) in KDB 789033 D02 v02r01.

1. Measure the duty cycle.
2. Set span to encompass the 26 dB EBW of the signal.
3. RBW = 1 MHz.
4. VBW ≥ 3 MHz.
5. Number of points in sweep ≥ 2 x span/RBW.
6. Sweep time = auto.
7. Detector = RMS.
8. Do not use sweep triggering. Allow the sweep to "free run".
9. Trace average at least 100 traces in power averaging(RMS) mode
10. Integrated bandwidth = OBW
11. Add 10log(1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times.

Sample Calculation

Total Power(dBm) = Measured Value(dBm) + ATT loss(dB) + Cable loss(dB) + Duty Cycle Factor(dB)

Note

1. Spectrum Measured Values are not plot data.
   The power results in plot is already including the actual values of loss for the attenuator and cable combination.
2. Spectrum offset Attenuator loss(20 dB) + Cable loss + EUT Cable Loss
3. Actual value of loss for the attenuator and cable combination is below table.

Band	Loss(dB)
UNII 1	21.43
UNII 2A	21.43
UNII 2C	21.43
UNII 3&4	21.43

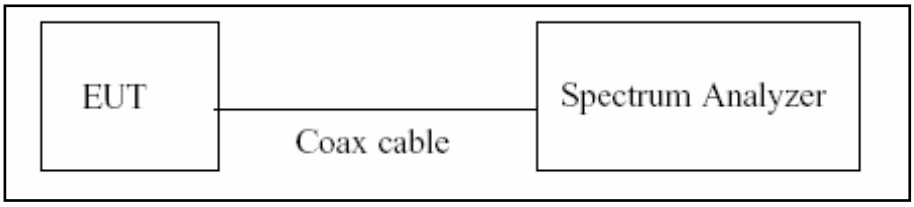
(Actual value of loss for the attenuator and cable combination)

8.4. Power Spectral Density

Limit

Band	Limit
UNII 1	11 dBm/MHz
UNII 2A, 2C	11 dBm/MHz
UNII 3	30 dBm/500 kHz
UNII 4	EIRP 14 dBm/MHz

Test Configuration



Test Procedure

We tested according to Procedure F in KDB 789033 D02 v02r01.

1. Set span to encompass the entire emission bandwidth(EBW) of the signal.
2. RBW = 1 MHz(510 kHz for UNII 3)
3. VBW ≥ 3 MHz
4. Number of points in sweep ≥ 2 x span/RBW.
5. Sweep time = auto.
6. Detector = RMS(i.e., power averaging), if available. Otherwise, use sample detector mode.
7. Do not use sweep triggering. Allow the sweep to “free run”.
8. Trace average at least 100 traces in power averaging(RMS) mode
9. Use the peak search function on the spectrum analyzer to find the peak of the spectrum.
10. If Method SA-2 was used, add 10 log(1/x), where x is the duty cycle, to the peak of the spectrum.

Sample Calculation

Total PSD(dBm) = Measured Value(dBm) + ATT loss(dB) + Cable loss(dB) + Duty Cycle Factor(dB)

Note

1. Spectrum Measured Values are not plot data.
   The PSD results in plot is already including the actual values of loss for the attenuator and cable combination.
2. Spectrum offset Attenuator loss(20 dB) + Cable loss + EUT Cable Loss
3. Actual value of loss for the attenuator and cable combination is below table.

Band	Loss(dB)
UNII 1	21.43
UNII 2A	21.43
UNII 2C	21.43
UNII 3&4	21.43

(Actual value of loss for the attenuator and cable combination)

8.5. AC Power line Conducted Emissions

Limit

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 μH/50 ohms line impedance stabilization network (LISN).

Frequency Range (MHz)	Limits (dBμV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56[a]	56 to 46[a]
0.50 to 5	56	46
5 to 30	60	50

[a]Decreases with the logarithm of the frequency.

Compliance with this provision shall be based on the measurement of the radio frequency voltage between each power line (LINE and NEUTRAL) and ground at the power terminals.

Test Configuration

See test photographs attached in Annex A for the actual connections between EUT and support equipment.

Test Procedure

1. The EUT is placed on a wooden table 80 cm above the reference ground plane.
2. The EUT is connected via LISN to a test power supply.
3. The measurement results are obtained as described below:
4. Detectors : Quasi Peak and Average Detector.

Sample Calculation

Quasi-peak(Final Result) = Measured Value + Correction Factor

8.6. Radiated Test

Limit

1. UNII 1: All emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of −27 dBm/MHz.
2. UNII 2A, 2C: All emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of −27 dBm/MHz.
3. UNII 3: 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.
4. . UNII 4: [Low Channel O.O.B.E] measured with an Peak detector

   For a client device or indoor access point or subordinate device, all emissions below 5.725 GHz shall not exceed an e.i.r.p. of −27 dBm/MHz at 5.65 GHz increasing linearly to 10 dBm/MHz at 5.7 GHz, and from 5.7 GHz increasing linearly to a level of 15.6 dBm/MHz at 5.72 GHz, and from 5.72 GHz increasing linearly to a level of 27 dBm/MHz at 5.725 GHz.

   [High Channel O.O.B.E] measured with an RMS detector

   For a client device, all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of −5 dBm/MHz and shall decrease linearly to an e.i.r.p. of −27 dBm/MHz at or above 5.925 GHz.

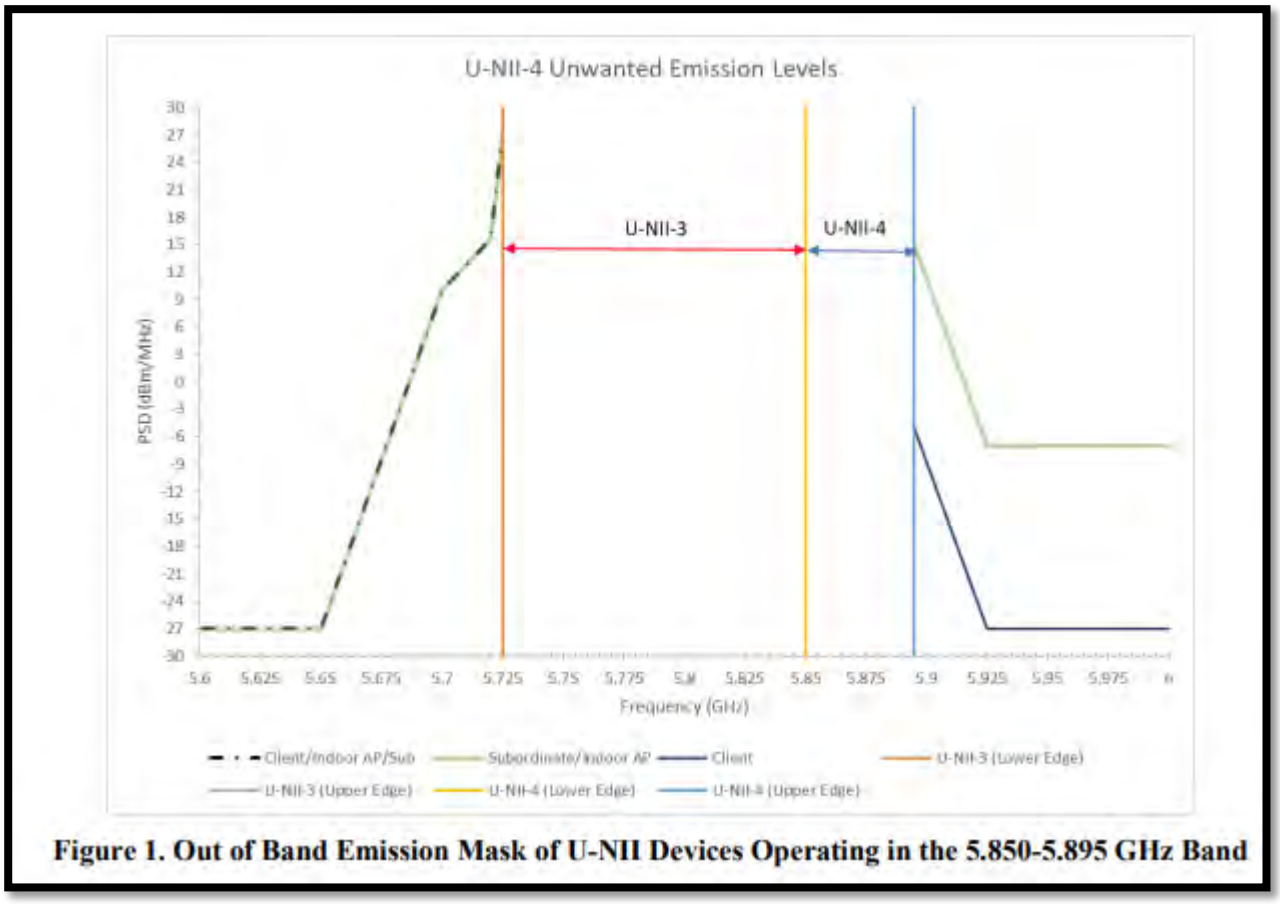


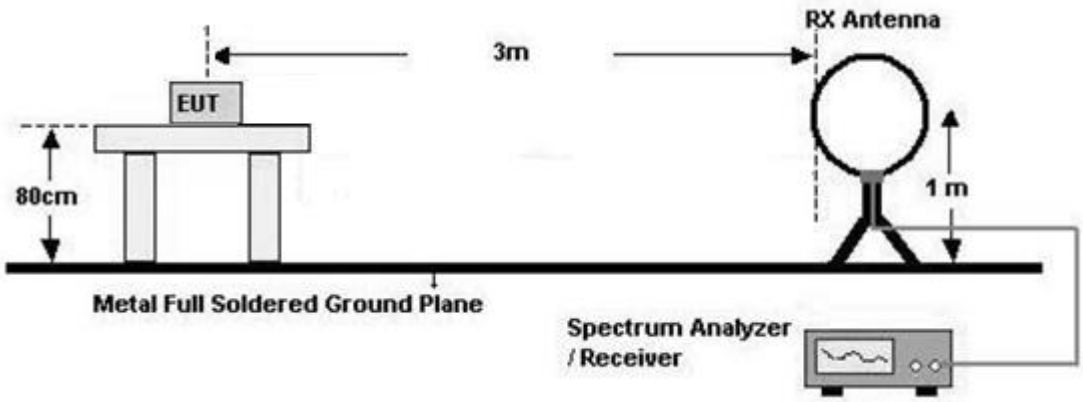
Figure 1. Out of Band Emission Mask of U-NII Devices Operating in the 5.850-5.895 GHz Band

5. All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Section 15.209.

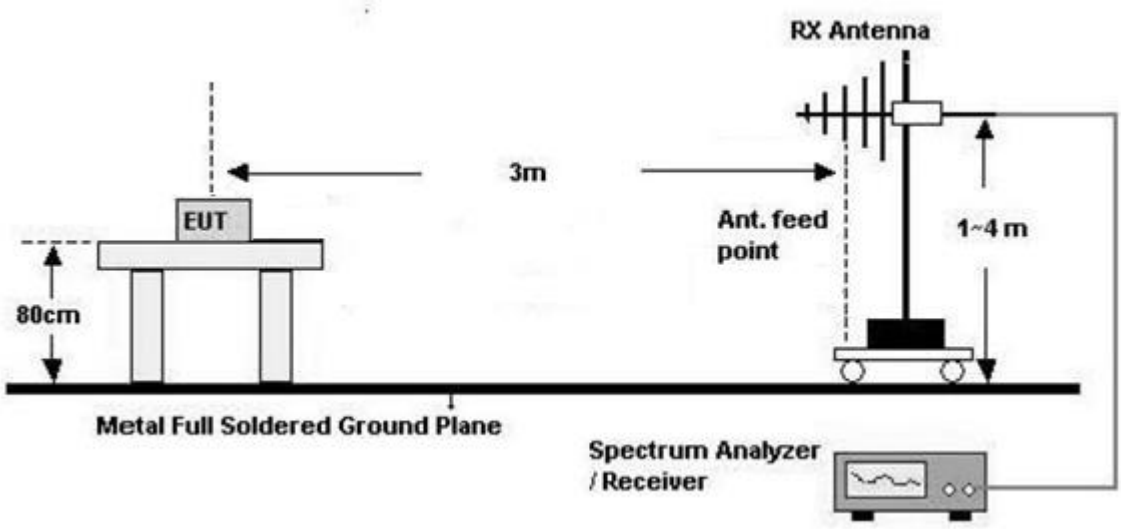
Frequency (MHz)	Field Strength (μV/m)	Measurement Distance (m)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Test Configuration

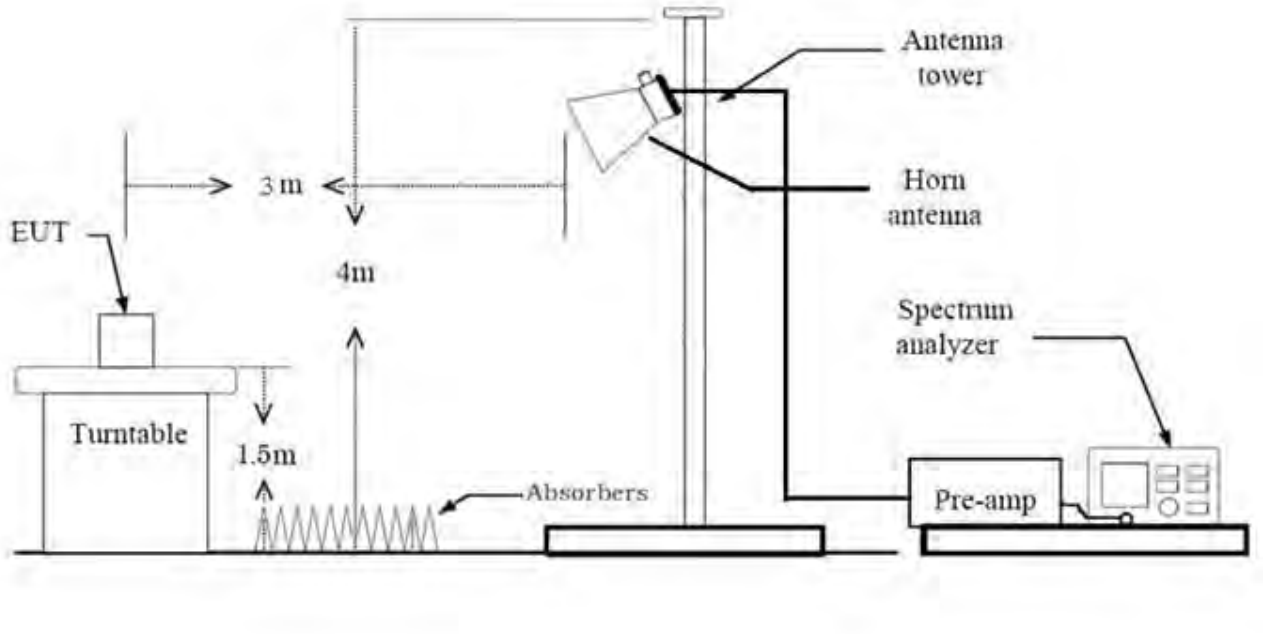
Below 30 MHz



30 MHz - 1 GHz



Above 1 GHz



Test Procedure of Radiated spurious emissions(Below 30 MHz)

1. The EUT was placed on a non-conductive table located on semi-anechoic chamber.
2. The loop antenna was placed at a location 3 m from the EUT
3. The EUT is placed on a turntable, which is 0.8 m above ground plane.
4. .We have done x, y, z planes in EUT and horizontal and vertical polarization and Parallel to the ground plane in detecting antenna.
5. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
6. Distance Correction Factor(0.009 MHz – 0.490 MHz) = 40log(3 m/300 m) = - 80 dB
   Measurement Distance : 3 m
7. Distance Correction Factor(0.490 MHz – 30 MHz) = 40log(3 m/30 m) = - 40 dB
   Measurement Distance : 3 m
8. Spectrum Setting
   - Frequency Range = 9 kHz ~ 30 MHz
   - Detector = Peak
   - Trace = Max Hold
   - RBW = 9 kHz
   - VBW ≥ 3 x RBW
9. Total = Measured Value + Antenna Factor(A.F) + Cable Loss(C.L) + Distance Factor(D.F)
10. Measurement value only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.

KDB 414788 OFS and Chamber Correlation Justification

Base on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making
measurements in the near field.
OFS and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

Test Procedure of Radiated spurious emissions(Below 1 GHz)

1. The EUT was placed on a non-conductive table located on semi-anechoic chamber.
2. The EUT is placed on a turntable, which is 0.8 m above ground plane.
3. The Hybrid antenna was placed at a location 3 m from the EUT, which is varied from 1 m to 4 m to find out the highest emissions.
4. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
5. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
6. Spectrum Setting
   (1) Measurement Type(Peak):
      - Measured Frequency Range : 30 MHz – 1 GHz
      - Detector = Peak
      - Trace = Max Hold
      - RBW = 100 kHz
      - VBW ≥ 3 x RBW
   (2) Measurement Type(Quasi-peak):
      - Measured Frequency Range : 30 MHz – 1 GHz
      - Detector = Quasi-Peak
      - RBW = 120 kHz
   ※In general, (1) is used mainly
7. Total = Measured Value + Antenna Factor(A.F) + Cable Loss(C.L)
8. Measurement value only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.

Test Procedure of Radiated spurious emissions (Above 1 GHz)

1. The EUT is placed on a turntable, which is 1.5 m above ground plane.
2. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
3. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
4. EUT is set 3 m away from the receiving antenna, which is varied from 1 m to 4 m to find out the highest emissions.
5. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
6. Each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
7. The unit was tested with its standard battery.
8. Spectrum Setting

(1) Measurement Type (Peak, G.5 in KDB 789033 v02r01):

- RBW = 1 MHz
- VBW ≥ 3 MHz
- Detector = Peak
- Sweep Time = auto
- Trace mode = Max Hold
- Allow sweeps to continue until the trace stabilizes.

Note that if the transmission is not continuous, the time required for the trace to stabilize will increase by a factor of approximately 1/x, where x is the duty cycle.

(2) Measurement Type (Average, G.6.d in KDB 789033 v02r01):

- RBW = 1 MHz
- VBW(Duty cycle ≥ 98 percent) = VBW ≤ RBW/100(i.e., 10 kHz) but not less than 10 Hz.
- VBW(Duty cycle is < 98 percent) = VBW ≥ 1/T, where T is the minimum transmission duration.
- The analyzer is set to linear detector mode.
- Detector = Peak.
- Sweep time = auto.
- Trace mode = Max Hold.
- Allow Max Hold to run for at least 50 traces if the transmitted signal is continuous or has at least 98 percent duty cycle. For lower duty cycles, increase the minimym number of traces by a factor of 1/x, where x is the duty cycle.

9. Measurement value only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor
10. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency
11. Distance extrapolation factor = 20log (test distance / specific distance) (dB)
12. Total = Measured Value + Antenna Factor(A.F) + Cable Loss(C.L) - Amp Gain(G) + Distance Factor(D.F)

Test Procedure of Radiated Restricted Band Edge

1. The EUT is placed on a turntable, which is 1.5 m above ground plane.
2. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
3. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
4. EUT is set 3 m away from the receiving antenna, which is varied from 1 m to 4 m to find out the highest emissions.
5. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
6. Each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
7. The unit was tested with its standard battery.
8. Spectrum Setting

(1) Measurement Type(Peak, G.5 in KDB 789033 v02r01):

- RBW = 1 MHz
- VBW ≥ 3 MHz
- Detector = Peak
- Sweep Time = auto
- Trace mode = Max Hold
- Allow sweeps to continue until the trace stabilizes.

Note that if the transmission is not continuous, the time required for the trace to stabilize will increase by a factor of approximately 1/x, where x is the duty cycle.

(2) Measurement Type(Average, G.6.d in KDB 789033 v02r01):

- RBW = 1 MHz
- VBW(Duty cycle ≥ 98 percent) = VBW ≤ RBW/100(i.e., 10 kHz) but not less than 10 Hz.
- VBW(Duty cycle is < 98 percent) = VBW ≥ 1/T, where T is the minimum transmission duration.
- The analyzer is set to linear detector mode.
- Detector = Peak.
- Sweep time = auto.
- Trace mode = Max Hold.
- Allow Max Hold to run for at least 50 traces if the transmitted signal is continuous or has at least 98 percent duty cycle. For lower duty cycles, increase the minimym number of traces by a factor of 1/x, where x is the duty cycle.

9. Measured Frequency Range :
   - 4 500 MHz ~ 5 150 MHz
   - 5 350 MHz ~ 5 460 MHz
   - 5 460 MHz ~ 5 470 MHz
   - (75 MHz or more below the 5 725 MHz) ~ 5 725 MHz
   - 5 850 MHz ~ (75 MHz or more above the 5 850 MHz)
10. Distance extrapolation factor = 20log (test distance / specific distance) (dB)
11. Total = Measured Value + Antenna Factor(A.F) + Cable Loss(C.L) - Amp Gain(A.G) + Attenuator(ATT) + Distance Factor(D.F)

The actual setting value of VBW

Mode	Tone	Worst Data rate (Mbps)	Duty Cycle	Duty Cycle Factor (dB)	VBW (1/T) (kHz)	The actual setting value of VBW (Hz)
802.11ax (HE20)	26	MCS 0	0.993	0.03	0.385	1000
	52	MCS 0	0.992	0.03	0.386	1000
	106	MCS 0	0.994	0.03	0.410	1000
	242	MCS 0	0.993	0.03	0.419	1000
	SU	MCS 0	0.994	0.03	0.419	1000
802.11ax (HE40)	26	MCS 0	0.994	0.03	0.385	1000
	52	MCS 0	0.994	0.03	0.385	1000
	106	MCS 0	0.994	0.03	0.410	1000
	242	MCS 0	0.993	0.03	0.419	1000
	484	MCS 0	0.993	0.03	0.419	1000
	SU	MCS 0	0.993	0.03	0.419	1000
802.11ax (HE80)	26	MCS 0	0.993	0.03	0.385	1000
	52	MCS 0	0.993	0.03	0.386	1000
	106	MCS 0	0.994	0.03	0.410	1000
	242	MCS 0	0.994	0.03	0.419	1000
	484	MCS 0	0.994	0.03	0.419	1000
	996	MCS 0	0.994	0.03	0.413	1000
	SU	MCS 0	0.994	0.03	0.413	1000

8.7. Test RU offset for Tones

BW (MHz)	Tones (T)	RU offset	Test RU offset		
			Low	Mid	High
20	26	0~8	0	4	8
	52	37~40	37	38	40
	106	53~54	53	-	54
	242	61	-	61	-
40	26	0~17	0	9	17
	52	37~44	37	41	44
	106	53~56	53	54	56
	242	61~62	61	-	62
	484	65	-	65	-
80	26	0~36	0	18	36
	52	37~52	37	45	52
	106	53~60	53	57	60
	242	61~64	61	62	64
	484	65~66	65	-	66
	996	67	-	67	-

8.8. Worst case configuration and mode

Conducted test

1. All data rate of operation were investigated and the worst case results are reported.
   - HE20, HE40, HE80: MCS0

Radiated test

1. Full RU(Resource Unit) mode and SU(Single Unit) mode have no difference in physical waveform.
   This Report has been described only Full RU mode with worst output power
2. All modes of operation were investigated and the worst case configuration results are reported.
   - Mode : Stand alone, Stand alone + External accessories(Earphone, Keyboard, etc)
   - Worstcase : Stand alone
3. EUT Axis
   - Radiated Spurious Emissions : X
   - Radiated Restricted Band Edge : X, Z
4. All data rate of operation were investigated and the worst case results are reported.
   (Worst case : MCS0)
5. All Antenna of operation were investigated and the worst case results are reported
   - Mode : Ant1+Ant2(SDM), Ant1+Ant2(CDD)
   - Worstcase : Ant1+Ant2(CDD)
6. All position of loop antenna were investigated and the test result is a no critical peak found at all positions.
   - Position : Horizontal, Vertical, Parallel to the ground plane
7. All mode(Tone, RU Offset) of operation were investigated and the worst case configuration results are reported

Test	Tone	RU Offset
RSE	[HE 20] Worst case(Highest Power) : SU	-
	[HE40] Additional Tone: SU [HE80] Additional Tone: SU [HE160] Additional Tone: SU	-
Bandedge (UNII1,2A,2C)	[HE 20] Worst case(Highest Power) : 242T [HE 40] Worst case(Highest Power) : 242T [HE 80] Worst case(Highest Power) : 242T	[HE 20] Mid 61 [HE 40] Mid 61 [HE 80] Mid 61
	[HE 20] Additional Tone: 26T, 52T, 106T, SU [HE 40] Additional Tone: 26T, 52T, 106T, 484, SU [HE 80] Additional Tone: 26T, 52T, 106T, 484T, 996T SU	[HE20] Low Edge: 0, 37, 53 High Edge: 8, 40, 54 [HE40] Low Edge: 0, 37, 53, 61 High Edge: 17, 44, 56, 62 [HE80] Low Edge: 0, 37, 53, 61, 65 High Edge: 36, 52, 60, 64, 66

Bandedge (Straddle, UNII3)	[HE 20] Worst case(Highest Power) : 242T [HE 40] Worst case(Highest Power) : 484T [HE 80] Worst case(Highest Power) : 996T	[HE 20] Mid 61 [HE 40] Mid 65 [HE 80] Mid 67
O.O.B.E (UNII4)	Low Channel O.O.B.E [HE 20] Worst case(Highest Power) : 242T, SU [HE 40] Worst case(Highest Power) : 242T, 484T, SU [HE 80] Worst case(Highest Power) : 242T, 996T, SU High Channel O.O.B.E [HE 20/40/80] Worst case (Highest Power & steep Band mask) : ALL High Tone check (26T, 52T, 106T, 242T, 484T, 996T, SU)	[HE 20] Mid 61 [HE 40] Mid 65 [HE 80] Mid 67 [HE20] High Edge: 8, 40, 54 [HE40] High Edge: 17, 44, 56, 62 [HE80] High Edge: 36, 52, 60, 64, 66

Radiated test(DBS)

1. All modes of operation were investigated and the worst case configuration results are reported.
   - Mode : Stand alone, Stand alone + External accessories(Earphone, Keyboard, etc)
   - Worstcase : Stand alone
2. EUT Axis
   - Radiated Spurious Emissions : Y, Z
3. Test case

RSDB Scenario	2.4 GHz WiFi Ant.1	2.4 GHz WiFi Ant.2	5 GHz WiFi Ant.1	5 GHz WiFi Ant.2	6 GHz WiFi Ant.1	6 GHz WiFi Ant.2	Bluetooth Ant.1	Bluetooth Ant.2	Test case
2.4 GHz WiFi MIMO + 6 GHz WiFi MIMO	on	on			on	on			
2.4 GHz WiFi MIMO + 5 GHz WiFi MIMO	on	on	on	on					Case 1
Bluetooth ANT.1 + 2.4 GHz WiFi ANT.2 + 5 GHz WiFi MIMO		on	on	on			on		
Bluetooth ANT.1 + 2.4 GHz WiFi ANT.2 + 6 GHz WiFi MIMO		on			on	on	on		

Non-DBS	2.4 GHz WiFi Ant.1	2.4 GHz WiFi Ant.2	5 GHz WiFi Ant.1	5 GHz WiFi Ant.2	6 GHz WiFi Ant.1	6 GHz WiFi Ant.2	Bluetooth Ant.1	Bluetooth Ant.2	Test case
Bluetooth ANT.2 + 6 GHz WiFi MIMO					on	on		on	
Bluetooth ANT.2 + 5GHz WiFi MIMO			on	on				on	
Bluetooth ANT.1 + 6 GHz WiFi MIMO					on	on	on		
Bluetooth ANT.1 + 5GHz WiFi MIMO			on	on	-	-	on	-	Case 2

4. The following tables show the worst case configurations determined during testing.

(Worst case: The lowest margin condition the channels and modes were selected for test.)

(Test case 1,2 Result : Please refer to the SM-X706B [BT, UNII, DTS] Test Report.)

Case	Description	2.4GHz Emission	5 GHz Emission
1	Antenna	Ant All	Ant All
	Channel	6	36
	Data Rate	1 Mbps	MCS 0
	Mode	802.11b	802.11n

Case	Description	Bluetooth Emission	5 GHz Emission
2	Antenna	ANT1	Ant All
	Channel	39	36
	Data Rate	1 Mbps	MCS 0
	Mode	GFSK	802.11n

AC Power line Conducted Emissions

1. Please refer to the SM-X706B [UNII] Test Report.

9. SUMMARY OF TEST RESULTS

Test Description	FCC Part Section(s)	Test Limit	Test Condition	Test Result
26 dB Bandwidth	§15.407 (for Power Measurement)	N/A	Conducted	PASS
6 dB Bandwidth	§15.407(e)	>500 kHz (5725-5850 MHz)(UNII-3) (5850-5895 MHz)(UNII-4)		PASS
Maximum Conducted Output Power	§15.407(a)(1),(2),(3)	< 250 mW(5150-5250 MHz) < 250 mW or 11+10log$_{10}$ (BW) dBm (5250-5350 MHz) < 250 mW or 11+10log$_{10}$ (BW) dBm (5470-5725 MHz) <1 W (5725-5850 MHz)		PASS
Maximum EIRP Output Power	§15.407(a)(1)(3)(iii)	< EIRP 30dBm (5850-5925 MHz)		
Maximum Power Spectral Density	§15.407(a)(1),(2),(3)	<11 dBm/ MHz (5150-5250 MHz) <11 dBm/ MHz (5250-5350 MHz) <11 dBm/ MHz (5470-5725 MHz) <30 dBm/500 kHz(5725-5850 MHz) < EIRP 14 dBm/MHz(5850-5925 MHz)		PASS
AC Conducted Emissions 150 kHz-30 MHz	15.207 15.407(b)(8)	<FCC 15.207 limits		PASS
Undesirable Emissions	§15.407(b) (1),(2),(3),(4) §15.407(b)(5)(ii),(iii)	<-27 dBm/MHz EIRP (UNII1, 2A, 2C) cf. Section 8.6 (UNII 3&4)	Radiated	PASS
General Field Strength Limits(Restricted Bands and Radiated Emission Limits)	15.205, 15.407(b)(9),(10)	Emissions in restricted bands must meet the radiated limits detailed in 15.209		PASS

10. TEST RESULT

10.1 DUTY CYCLE

802.11ax(HE20)

Mode	Tone (T)	Data Rate	On Time (ms)	Total Time (ms)	Duty Cycle	Duty Cycle Factor (dB)
802.11ax (HE20)	26	MCS0	2.597	2.614	0.993	0.03
		MCS1	2.592	2.609	0.993	0.03
		MCS2	2.584	2.602	0.993	0.03
		MCS3	2.655	2.673	0.993	0.03
		MCS4	2.632	2.650	0.993	0.03
		MCS5	2.617	2.635	0.993	0.03
		MCS6	2.612	2.630	0.993	0.03
		MCS7	2.607	2.625	0.993	0.03
		MCS8	2.630	2.645	0.994	0.03
		MCS9	2.609	2.625	0.994	0.03
	52	MCS0	2.589	2.609	0.992	0.03
		MCS1	2.581	2.599	0.993	0.03
		MCS2	2.579	2.597	0.993	0.03
		MCS3	2.657	2.673	0.994	0.02
		MCS4	2.627	2.645	0.993	0.03
		MCS5	2.614	2.632	0.993	0.03
		MCS6	2.612	2.630	0.993	0.03
		MCS7	2.609	2.625	0.994	0.03
		MCS8	2.627	2.645	0.993	0.03
		MCS9	2.607	2.625	0.993	0.03
	106	MCS0	2.437	2.452	0.994	0.03
		MCS1	2.429	2.447	0.993	0.03
		MCS2	2.432	2.450	0.993	0.03
		MCS3	2.503	2.521	0.993	0.03
		MCS4	2.480	2.498	0.993	0.03
		MCS5	2.467	2.485	0.993	0.03
		MCS6	2.462	2.480	0.993	0.03
		MCS7	2.460	2.478	0.993	0.03
		MCS8	2.480	2.498	0.993	0.03
		MCS9	2.460	2.478	0.993	0.03
	242	MCS0	2.386	2.404	0.993	0.03

Mode	Tone (T)	Data Rate	On Time (ms)	Total Time (ms)	Duty Cycle	Duty Cycle Factor (dB)
		MCS1	2.384	2.402	0.993	0.03
		MCS2	2.384	2.402	0.993	0.03
		MCS3	2.455	2.473	0.993	0.03
		MCS4	2.432	2.450	0.993	0.03
		MCS5	2.414	2.432	0.993	0.03
		MCS6	2.412	2.429	0.993	0.03
		MCS7	2.409	2.424	0.994	0.03
		MCS8	2.427	2.445	0.993	0.03
		MCS9	2.409	2.424	0.994	0.03
		MCS10	2.417	2.435	0.993	0.03
		MCS11	2.409	2.424	0.994	0.03

802.11ax(HE40)

Mode	Tone (T)	Data Rate	On Time (ms)	Total Time (ms)	Duty Cycle	Duty Cycle Factor (dB)
802.11ax(HE40)	26	MCS0	2.597	2.612	0.994	0.03
		MCS1	2.592	2.609	0.993	0.03
		MCS2	2.584	2.602	0.993	0.03
		MCS3	2.655	2.673	0.993	0.03
		MCS4	2.630	2.647	0.993	0.03
		MCS5	2.617	2.632	0.994	0.03
		MCS6	2.612	2.630	0.993	0.03
		MCS7	2.609	2.625	0.994	0.03
		MCS8	2.630	2.645	0.994	0.03
		MCS9	2.609	2.625	0.994	0.03
	52	MCS0	2.594	2.609	0.994	0.03
		MCS1	2.584	2.602	0.993	0.03
		MCS2	2.581	2.597	0.994	0.03
		MCS3	2.657	2.673	0.994	0.02
		MCS4	2.627	2.645	0.993	0.03
		MCS5	2.617	2.632	0.994	0.03
		MCS6	2.612	2.630	0.993	0.03
		MCS7	2.607	2.625	0.993	0.03
		MCS8	2.630	2.645	0.994	0.03
		MCS9	2.609	2.625	0.994	0.03
	106	MCS0	2.437	2.452	0.994	0.03
		MCS1	2.432	2.450	0.993	0.03
		MCS2	2.432	2.450	0.993	0.03
		MCS3	2.505	2.521	0.994	0.03
		MCS4	2.480	2.495	0.994	0.03
		MCS5	2.467	2.483	0.994	0.03
		MCS6	2.462	2.480	0.993	0.03
		MCS7	2.460	2.478	0.993	0.03
		MCS8	2.480	2.495	0.994	0.03
		MCS9	2.460	2.478	0.993	0.03
	242	MCS0	2.386	2.404	0.993	0.03
		MCS1	2.384	2.399	0.994	0.03
		MCS2	2.384	2.402	0.993	0.03
		MCS3	2.455	2.473	0.993	0.03

Mode	Tone (T)	Data Rate	On Time (ms)	Total Time (ms)	Duty Cycle	Duty Cycle Factor (dB)
		MCS4	2.432	2.447	0.994	0.03
		MCS5	2.417	2.432	0.994	0.03
		MCS6	2.412	2.429	0.993	0.03
		MCS7	2.409	2.424	0.994	0.03
		MCS8	2.427	2.445	0.993	0.03
		MCS9	2.409	2.424	0.994	0.03
		MCS10	2.417	2.432	0.994	0.03
		MCS11	2.407	2.424	0.993	0.03
	484	MCS0	2.384	2.402	0.993	0.03
		MCS1	2.455	2.473	0.993	0.03
		MCS2	2.432	2.447	0.994	0.03
		MCS3	2.417	2.432	0.994	0.03
		MCS4	2.427	2.445	0.993	0.03
		MCS5	2.412	2.427	0.994	0.03
		MCS6	2.412	2.427	0.994	0.03
		MCS7	2.419	2.435	0.994	0.03
		MCS8	2.412	2.427	0.994	0.03
		MCS9	2.417	2.432	0.994	0.03
		MCS10	2.417	2.432	0.994	0.03
		MCS11	2.414	2.432	0.993	0.03

802.11ax(HE80)

Mode	Tone (T)	Data Rate	On Time (ms)	Total Time (ms)	Duty Cycle	Duty Cycle Factor (dB)
802.11ax (HE80)	26	MCS0	2.594	2.612	0.993	0.03
		MCS1	2.592	2.609	0.993	0.03
		MCS2	2.581	2.599	0.993	0.03
		MCS3	2.655	2.673	0.993	0.03
		MCS4	2.632	2.647	0.994	0.03
		MCS5	2.617	2.632	0.994	0.03
		MCS6	2.612	2.630	0.993	0.03
		MCS7	2.607	2.625	0.993	0.03
		MCS8	2.630	2.645	0.994	0.03
		MCS9	2.607	2.625	0.993	0.03
	52	MCS0	2.592	2.609	0.993	0.03
		MCS1	2.584	2.599	0.994	0.03
		MCS2	2.579	2.597	0.993	0.03
		MCS3	2.655	2.670	0.994	0.02
		MCS4	2.627	2.642	0.994	0.03
		MCS5	2.617	2.632	0.994	0.03
		MCS6	2.612	2.627	0.994	0.03
		MCS7	2.607	2.625	0.993	0.03
		MCS8	2.630	2.645	0.994	0.03
		MCS9	2.609	2.625	0.994	0.03
	106	MCS0	2.437	2.452	0.994	0.03
		MCS1	2.429	2.447	0.993	0.03
		MCS2	2.432	2.450	0.993	0.03
		MCS3	2.503	2.518	0.994	0.03
		MCS4	2.480	2.495	0.994	0.03
		MCS5	2.470	2.485	0.994	0.03
		MCS6	2.465	2.480	0.994	0.03
		MCS7	2.460	2.475	0.994	0.03
		MCS8	2.480	2.495	0.994	0.03
		MCS9	2.460	2.475	0.994	0.03
	242	MCS0	2.389	2.404	0.994	0.03
		MCS1	2.384	2.399	0.994	0.03
		MCS2	2.384	2.399	0.994	0.03

Mode	Tone (T)	Data Rate	On Time (ms)	Total Time (ms)	Duty Cycle	Duty Cycle Factor (dB)
		MCS3	2.455	2.473	0.993	0.03
		MCS4	2.432	2.447	0.994	0.03
		MCS5	2.414	2.429	0.994	0.03
		MCS6	2.412	2.427	0.994	0.03
		MCS7	2.409	2.424	0.994	0.03
		MCS8	2.427	2.442	0.994	0.03
		MCS9	2.407	2.424	0.993	0.03
		MCS10	2.414	2.432	0.993	0.03
		MCS11	2.409	2.424	0.994	0.03
	484	MCS0	2.384	2.399	0.994	0.03
		MCS1	2.455	2.470	0.994	0.03
		MCS2	2.429	2.447	0.993	0.03
		MCS3	2.414	2.432	0.993	0.03
		MCS4	2.427	2.442	0.994	0.03
		MCS5	2.412	2.427	0.994	0.03
		MCS6	2.412	2.429	0.993	0.03
		MCS7	2.419	2.435	0.994	0.03
		MCS8	2.412	2.427	0.994	0.03
		MCS9	2.414	2.432	0.993	0.03
		MCS10	2.414	2.432	0.993	0.03
		MCS11	2.414	2.429	0.994	0.03
	996	MCS0	2.419	2.435	0.994	0.03
		MCS1	2.414	2.432	0.993	0.03
		MCS2	2.417	2.432	0.994	0.03
		MCS3	2.412	2.427	0.994	0.03
		MCS4	2.412	2.427	0.994	0.03
		MCS5	2.412	2.427	0.994	0.03
		MCS6	2.412	2.427	0.994	0.03
		MCS7	2.412	2.427	0.994	0.03
		MCS8	2.414	2.429	0.994	0.03
		MCS9	2.409	2.424	0.994	0.03
		MCS10	2.412	2.427	0.994	0.03
		MCS11	2.412	2.427	0.994	0.03

Mode	BW	Data Rate	On Time (ms)	Total Time (ms)	Duty Cycle	Duty Cycle Factor (dB)
802.11ax (SU)	BW 20	MCS0	2.389	2.404	0.994	0.03
		MCS1	2.384	2.402	0.993	0.03
		MCS2	2.384	2.402	0.993	0.03
		MCS3	2.457	2.473	0.994	0.03
		MCS4	2.432	2.450	0.993	0.03
		MCS5	2.414	2.432	0.993	0.03
		MCS6	2.412	2.429	0.993	0.03
		MCS7	2.407	2.424	0.993	0.03
		MCS8	2.427	2.445	0.993	0.03
		MCS9	2.409	2.424	0.994	0.03
		MCS10	2.417	2.435	0.993	0.03
		MCS11	2.407	2.424	0.993	0.03
	BW 40	MCS0	2.384	2.402	0.993	0.03
		MCS1	2.455	2.473	0.993	0.03
		MCS2	2.432	2.450	0.993	0.03
		MCS3	2.417	2.432	0.994	0.03
		MCS4	2.427	2.445	0.993	0.03
		MCS5	2.414	2.429	0.994	0.03
		MCS6	2.412	2.429	0.993	0.03
		MCS7	2.419	2.437	0.993	0.03
		MCS8	2.412	2.427	0.994	0.03
		MCS9	2.414	2.432	0.993	0.03
		MCS10	2.417	2.432	0.994	0.03
		MCS11	2.417	2.432	0.994	0.03
	BW 80	MCS0	2.419	2.435	0.994	0.03
		MCS1	2.417	2.432	0.994	0.03
		MCS2	2.417	2.432	0.994	0.03
		MCS3	2.412	2.427	0.994	0.03
		MCS4	2.412	2.427	0.994	0.03
		MCS5	2.412	2.427	0.994	0.03
		MCS6	2.412	2.427	0.994	0.03
		MCS7	2.412	2.427	0.994	0.03
		MCS8	2.414	2.429	0.994	0.03
		MCS9	2.407	2.424	0.993	0.03

Mode	BW	Data Rate	On Time (ms)	Total Time (ms)	Duty Cycle	Duty Cycle Factor (dB)
		MCS10	2.412	2.427	0.994	0.03
		MCS11	2.414	2.429	0.994	0.03

Mode	BW	Tone	Data Rate	On Time (ms)	Total Time (ms)	Duty Cycle	Duty Cycle Factor (dB)
802.11ax	BW 160	26	MCS0	5.057	5.102	0.991	0.04
		52	MCS0	5.045	5.095	0.990	0.04
		106	MCS0	4.737	4.783	0.990	0.04
		242	MCS0	4.635	4.684	0.990	0.05
		484	MCS0	4.658	4.677	0.996	0.02
		996	MCS0	4.734	4.753	0.996	0.02
		SU	MCS0	5.444	5.463	0.997	0.02

Note:

Duty cycle ≥ 98% ➔ Continuous Signal

10.2 26 dB BANDWIDTH

10.2.1 Ant1

Straddle channel data in the table below are for reporting purposes only.

Straddle channel data were added in section 10.6.1.

802.11ax(HE20)

HE20	Frequency [MHz]	Channel No.	RU Index	26 dB BW (MHz)				
				26 T	52 T	106 T	242 T	SU
UNII 1	5180	36	Low	20.64	20.60	21.84	-	-
			Mid	18.81	19.61	-	22.35	22.14
			High	20.41	20.50	20.80	-	-
	5200	40	Low	20.56	21.18	21.80	-	-
			Mid	18.74	19.33	-	22.22	22.11
			High	20.49	20.75	20.95	-	-
	5240	48	Low	20.63	20.69	21.66	-	-
			Mid	18.77	19.31	-	22.30	22.04
			High	20.29	20.60	20.93	-	-
UNII 2A	5260	52	Low	20.54	20.85	21.69	-	-
			Mid	18.86	19.38	-	23.09	22.27
			High	20.27	20.34	20.96	-	-
	5280	56	Low	20.43	20.50	21.56	-	-
			Mid	18.71	19.50	-	22.27	22.19
			High	20.67	20.31	20.95	-	-
	5320	64	Low	20.49	21.00	21.79	-	-
			Mid	18.89	18.87	-	22.23	23.37
			High	20.26	20.50	20.98	-	-
UNII 2C	5500	100	Low	20.55	20.88	21.67	-	-
			Mid	18.84	19.53	-	23.64	23.95
			High	20.19	20.52	21.04	-	-
	5580	116	Low	20.63	20.91	21.84	-	-
			Mid	18.84	19.23	-	22.61	22.72
			High	20.16	20.73	21.00	-	-
	5720	144	Low	20.52	20.65	21.76	-	-
			Mid	18.61	19.49	-	30.79	23.92
			High	20.35	20.51	21.01	-	-

HE20	Frequency [MHz]	Channel No.	RU Index	26 dB BW (MHz)				
				26 T	52 T	106 T	242 T	SU
UNII 3	5745	149	Low	20.57	20.92	21.82	-	-
			Mid	18.72	19.41	-	22.53	22.59
			High	20.24	20.84	20.92	-	-
	5785	157	Low	20.59	20.65	21.84	-	-
			Mid	18.56	19.36	-	22.69	22.73
			High	20.65	20.39	20.91	-	-
	5825	165	Low	20.55	20.81	21.70	-	-
			Mid	18.58	19.42	-	22.60	22.57
			High	20.30	20.40	20.97	-	-
UNII 4	5845	169	Low	20.65	21.11	21.67	-	-
			Mid	18.82	19.38	-	22.37	22.53
			High	20.79	20.54	21.25	-	-
	5865	173	Low	20.60	21.03	21.56	-	-
			Mid	18.75	19.51	-	22.56	22.55
			High	20.57	20.51	21.56	-	-
	5885	177	Low	20.43	21.01	21.81	-	-
			Mid	18.87	19.32	-	22.85	22.60
			High	20.39	20.50	21.03	-	-

802.11ax(HE40)

HE40	Frequency [MHz]	Channel No.	RU Index	26 dB BW(MHz)					
				26 T	52 T	106 T	242 T	484 T	SU
UNII 1	5190	38	Low	40.70	40.51	41.12	41.66	-	-
			Mid	38.27	38.63	38.93	-	43.53	44.25
			High	40.97	40.49	40.96	41.55	-	-
	5230	46	Low	40.55	40.35	41.16	41.74	-	-
			Mid	38.31	38.67	38.93	-	43.18	48.36
			High	40.31	40.46	40.94	41.56	-	-
UNII 2A	5270	54	Low	40.32	40.56	41.05	41.79	-	-
			Mid	38.34	38.56	38.86	-	44.41	48.15
			High	40.38	40.36	40.92	41.61	-	-
	5310	62	Low	40.09	40.30	41.02	41.72	-	-
			Mid	38.28	38.64	38.74	-	44.33	50.30
			High	40.41	40.51	41.03	41.44	-	-
UNII 2C	5510	102	Low	40.19	40.58	41.32	41.60	-	-
			Mid	38.36	38.67	38.85	-	50.01	50.34
			High	40.71	40.43	40.73	41.60	-	-
	5550	110	Low	40.61	40.40	41.22	41.54	-	-
			Mid	38.29	38.43	38.78	-	44.28	50.30
			High	40.28	40.44	40.73	41.40	-	-
	5710	142	Low	40.41	40.43	40.98	41.37	-	-
			Mid	38.35	38.65	38.86	-	43.97	50.37
			High	40.46	40.56	40.92	41.69	-	-
UNII 3	5755	151	Low	40.95	40.38	41.01	41.55	-	-
			Mid	38.26	38.70	38.93	-	43.38	48.32
			High	40.14	40.54	41.05	41.48	-	-
	5795	159	Low	40.29	40.62	41.18	41.54	-	-
			Mid	38.17	38.34	38.84	-	43.56	48.34
			High	40.10	40.45	41.11	41.77	-	-
UNII 4	5835	167	Low	40.75	40.32	41.00	41.18	-	-
			Mid	38.44	38.52	38.83	-	44.64	44.58
			High	40.27	40.86	40.88	41.36	-	-
	5875	175	Low	40.27	40.65	41.05	41.15	-	-
			Mid	38.25	38.65	38.73	-	44.45	44.51
			High	40.26	40.72	41.01	41.53	-	-

802.11ax(HE80)

HE80	Freq. [MHz]	Channel No.	RU Index	26 dB BW (MHz)						
				26 T	52 T	106 T	242 T	484 T	996 T	SU
UNII 1	5210	42	Low	82.72	81.62	83.96	85.34	86.30	-	-
			Mid	78.56	78.98	79.38	80.65	-	87.02	87.61
			High	81.71	81.82	82.56	84.28	85.16	-	-
UNII 2A	5290	58	Low	81.54	81.52	83.12	84.38	85.78	-	-
			Mid	78.05	78.78	79.77	80.43	-	87.70	86.57
			High	82.00	81.82	82.83	84.23	85.23	-	-
UNII 2C	5530	106	Low	82.72	82.02	83.12	84.43	85.77	-	-
			Mid	78.39	78.84	79.55	79.63	-	86.35	86.99
			High	81.38	81.88	83.07	83.44	84.99	-	-
	5610	122	Low	81.67	81.11	83.88	85.62	86.03	-	-
			Mid	78.34	78.86	79.21	80.21	-	86.77	88.07
			High	81.20	81.84	82.54	83.46	85.23	-	-
	5690	138	Low	82.07	82.14	83.70	84.89	85.12	-	-
			Mid	78.62	78.46	79.40	80.24	-	87.25	87.09
			High	81.78	81.61	82.46	83.97	84.95	-	-
UNII 3	5775	155	Low	82.44	82.25	83.63	85.47	85.54	-	-
			Mid	78.51	79.09	79.53	80.76	-	87.56	87.11
			High	82.05	82.24	83.05	84.31	85.16	-	-
UNII 4	5855	171	Low	81.63	81.25	83.57	84.54	86.46	-	-
			Mid	78.47	78.70	79.37	81.17	-	90.25	89.56
			High	81.32	82.42	82.68	83.75	84.73	-	-

802.11ax(HE160)

HE160_80L	Frequency [MHz]	Channel No.	RU Index	26dB BW (MHz)						
				26 T	52 T	106 T	242 T	484 T	996 T	SU
UNII 1&2A	5250	50	Low	163.70	164.30	165.90	164.20	165.90	-	-
			Mid	157.90	158.30	159.40	159.80	-	167.50	-
			High	158.10	158.40	159.20	160.20	162.10	-	-
UNII 2A-2C	5570	114	Low	163.50	164.60	166.10	164.70	168.50	-	-
			Mid	157.90	158.60	159.60	160.60	-	168.50	-
			High	157.00	158.20	159.60	160.20	162.90	-	-
UNII 3&4	5815	163	Low	163.62	163.98	165.21	165.39	166.09	-	-
			Mid	157.82	158.83	159.19	160.34	-	166.68	-
			High	157.60	158.96	158.82	159.83	161.34	-	-

HE160_80U	Frequency [MHz]	Channel No.	RU Index	26dB BW (MHz)						
				26 T	52 T	106 T	242 T	484 T	996 T	SU
UNII 1&2A	5250	50	Low	157.70	157.30	159.40	160.10	162.80	-	-
			Mid	158.10	157.80	158.30	159.20	-	166.20	-
			High	163.60	163.80	164.10	162.90	166.80	-	-
UNII 2A-2C	5570	114	Low	158.10	157.80	159.40	160.10	162.70	-	-
			Mid	158.20	158.60	159.30	159.60	-	166.60	-
			High	162.30	163.80	164.20	163.80	166.90	-	-
UNII 3&4	5815	163	Low	157.66	158.54	159.21	160.26	160.45	-	-
			Mid	157.72	158.27	159.00	159.96	-	166.11	-
			High	163.03	163.55	164.31	166.59	166.62	-	-

HE160_SU	Frequency [MHz]	Channel No.	26dB BW (MHz)
			SU
UNII 1&2A	5250	50	162.80
UNII 2A-2C	5570	114	163.80
UNII 3&4	5815	163	162.63

99% BANDWIDTH

802.11ax(HE20)

HE20	Frequency [MHz]	Channel No.	RU Index	99% BANDWIDTH (MHz)				
				26 T	52 T	106 T	242 T	SU
UNII 1	5180	36	Low	18.581	18.324	18.384	-	-
			Mid	17.280	17.379	-	19.058	19.014
			High	18.479	18.359	18.338	-	-
	5200	40	Low	18.592	18.350	18.370	-	-
			Mid	17.329	17.286	-	19.013	19.018
			High	18.545	18.357	18.196	-	-
	5240	48	Low	18.526	18.329	18.396	-	-
			Mid	17.317	17.307	-	19.022	19.013
			High	18.495	18.336	18.302	-	-
UNII 2A	5260	52	Low	18.591	18.305	18.353	-	-
			Mid	17.334	17.350	-	19.037	19.032
			High	18.418	18.354	18.286	-	-
	5280	56	Low	18.590	18.318	18.383	-	-
			Mid	17.312	17.302	-	19.016	19.021
			High	18.673	18.325	18.329	-	-
	5320	64	Low	18.561	18.363	18.331	-	-
			Mid	17.358	17.360	-	19.018	19.032
			High	18.486	18.341	18.305	-	-
UNII 2C	5500	100	Low	18.590	18.352	18.382	-	-
			Mid	17.347	17.341	-	19.041	19.033
			High	18.480	18.326	18.309	-	-
	5580	116	Low	18.519	18.341	18.417	-	-
			Mid	17.334	17.353	-	19.034	19.033
			High	18.381	18.376	18.305	-	-
	5720	144	Low	18.609	18.338	18.397	-	-
			Mid	17.317	17.363	-	19.055	19.049
			High	18.487	18.302	18.312	-	-
UNII 3	5745	149	Low	18.618	18.311	18.406	-	-
			Mid	17.345	17.331	-	19.026	19.038
			High	18.464	18.373	18.322	-	-

HE20	Frequency [MHz]	Channel No.	RU Index	99% BANDWIDTH (MHz)				
				26 T	52 T	106 T	242 T	SU
	5785	157	Low	18.603	18.325	18.359	-	-
			Mid	17.291	17.349	-	19.023	19.030
			High	18.655	18.326	18.336	-	-
	5825	165	Low	18.556	18.305	18.399	-	-
			Mid	17.319	17.357	-	19.026	19.029
			High	18.467	18.316	18.330	-	-
UNII 4	5845	169	Low	18.602	18.333	18.373	-	-
			Mid	17.310	17.333	-	19.047	19.079
			High	18.745	18.340	18.377	-	-
	5865	173	Low	18.546	18.306	18.383	-	-
			Mid	17.335	17.339	-	19.080	19.059
			High	18.501	18.350	18.383	-	-
	5885	177	Low	18.565	18.360	18.405	-	-
			Mid	17.336	17.358	-	19.060	19.053
			High	18.484	18.368	18.343	-	-

802.11ax(HE40)

HE40	Frequency [MHz]	Channel No.	RU Index	99% BANDWIDTH(MHz)					
				26 T	52 T	106 T	242 T	484 T	SU
UNII 1	5190	38	Low	38.373	37.690	37.514	37.339	-	-
			Mid	36.323	36.392	36.342	-	37.961	38.000
			High	38.373	37.807	37.499	37.448	-	-
	5230	46	Low	38.057	37.682	37.405	37.340	-	-
			Mid	36.380	36.459	36.385	-	37.952	38.003
			High	38.064	37.713	37.473	37.435	-	-
UNII 2A	5270	54	Low	38.015	37.767	37.256	37.382	-	-
			Mid	36.392	36.468	36.375	-	37.968	38.011
			High	38.083	37.677	37.523	37.459	-	-
	5310	62	Low	38.047	37.743	37.436	37.400	-	-
			Mid	36.469	36.476	36.409	-	37.959	38.045
			High	38.027	37.756	37.417	37.374	-	-
UNII 2C	5510	102	Low	38.037	37.743	37.512	37.338	-	-
			Mid	36.493	36.415	36.204	-	37.980	38.027
			High	38.251	37.667	37.443	37.442	-	-
	5550	110	Low	38.185	37.748	37.537	37.417	-	-
			Mid	36.324	36.356	36.317	-	37.959	38.064
			High	38.028	37.657	37.449	37.378	-	-
	5710	142	Low	38.068	37.762	37.516	37.401	-	-
			Mid	36.349	36.347	36.297	-	37.963	38.010
			High	38.094	37.673	37.418	37.368	-	-
UNII 3	5755	151	Low	38.578	37.709	37.456	37.415	-	-
			Mid	36.332	36.410	36.277	-	37.977	37.999
			High	38.012	37.730	37.497	37.412	-	-
	5795	159	Low	37.952	37.865	37.507	37.382	-	-
			Mid	36.352	36.386	36.426	-	37.997	38.004
			High	37.956	37.714	37.489	37.537	-	-
UNII 4	5835	167	Low	38.171	37.678	37.463	37.259	-	-
			Mid	36.448	36.245	36.332	-	37.968	37.983
			High	38.156	37.860	37.485	37.289	-	-
	5875	175	Low	38.025	37.746	37.416	37.281	-	-
			Mid	36.249	36.440	36.334	-	37.950	37.966
			High	38.029	37.783	37.483	37.402	-	-

802.11ax(HE80)

HE80	Freq. [MHz]	Channel No.	RU Index	99% BANDWIDTH (MHz)						
				26 T	52 T	106 T	242 T	484 T	996 T	SU
UNII 1	5210	42	Low	79.171	78.153	77.594	77.250	76.848	-	-
			Mid	75.052	75.104	75.178	75.272	-	77.776	77.821
			High	78.096	77.505	77.218	77.096	76.672	-	-
UNII 2A	5290	58	Low	78.738	78.125	77.678	77.279	76.972	-	-
			Mid	74.673	75.128	74.983	75.361	-	77.794	77.838
			High	78.221	77.635	77.233	77.275	76.745	-	-
UNII 2C	5530	106	Low	78.906	78.093	77.478	77.240	76.869	-	-
			Mid	75.160	75.141	75.042	75.107	-	77.771	77.779
			High	77.791	77.561	77.105	77.150	76.526	-	-
	5610	122	Low	78.722	77.995	77.646	77.293	76.993	-	-
			Mid	74.817	74.921	74.986	75.329	-	77.758	77.756
			High	78.042	77.260	76.980	77.017	76.537	-	-
	5690	138	Low	78.719	78.127	77.656	77.342	76.922	-	-
			Mid	74.931	74.967	74.730	75.251	-	77.748	77.755
			High	78.108	77.371	77.149	77.033	76.520	-	-
UNII 3	5775	155	Low	79.209	78.181	77.687	77.296	76.902	-	-
			Mid	75.028	74.890	74.911	75.195	-	77.774	77.739
			High	78.234	77.668	77.060	77.120	76.598	-	-
UNII 4	5855	171	Low	78.561	77.952	77.437	76.993	76.830	-	-
			Mid	74.884	75.209	74.868	74.914	-	77.855	77.896
			High	77.944	77.532	77.091	76.923	76.551	-	-

802.11ax(HE160)

HE160_80L	Frequency [MHz]	Channel No.	RU Index	99% BANDWIDTH (MHz)						
				26 T	52 T	106 T	242 T	484 T	996 T	SU
UNII 1&2A	5250	50	Low	159.09	158.27	157.93	156.77	155.19	-	-
			Mid	152.64	152.45	153.04	152.37	-	156.13	-
			High	152.30	152.11	152.27	152.36	152.41	-	-
UNII 2A-2C	5570	114	Low	158.94	158.57	158.03	157.22	156.82	-	-
			Mid	153.11	152.24	153.07	153.12	-	156.28	-
			High	152.36	152.07	152.36	152.86	152.40	-	-
UNII 3&4	5815	163	Low	158.35	158.05	157.09	156.10	155.74	-	-
			Mid	152.30	153.11	152.25	153.30	-	155.58	-
			High	152.27	151.71	151.66	152.54	152.77	-	-

HE160_80U	Frequency [MHz]	Channel No.	RU Index	99% BANDWIDTH (MHz)						
				26 T	52 T	106 T	242 T	484 T	996 T	SU
UNII 1&2A	5250	50	Low	152.52	151.62	152.42	152.10	152.42	-	-
			Mid	152.93	151.27	151.51	151.94	-	155.61	-
			High	159.16	157.21	157.00	155.06	155.63	-	-
UNII 2A-2C	5570	114	Low	152.56	151.00	152.56	152.01	152.42	-	-
			Mid	152.29	151.63	152.38	151.94	-	154.89	-
			High	157.24	156.80	155.68	154.46	154.84	-	-
UNII 3&4	5815	163	Low	152.00	152.05	152.17	152.29	152.70	-	-
			Mid	152.53	152.45	151.59	152.34	-	154.99	-
			High	157.86	156.94	156.80	156.93	155.73	-	-

HE160_SU	Frequency [MHz]	Channel No.	99% BANDWIDTH (MHz)
			SU
UNII 1&2A	5250	50	154.83
UNII 2A-2C	5570	114	154.90
UNII 3&4	5815	163	154.57

10.2.2 Ant2

Straddle channel data in the table below are for reporting purposes only.

Straddle channel data were added in section 10.6.1.

802.11ax(HE20)

HE20	Frequency [MHz]	Channel No.	RU Index	26 dB BW (MHz)				
				26 T	52 T	106 T	242 T	SU
UNII 1	5180	36	Low	20.13	19.97	21.05	-	-
			Mid	18.42	18.49	-	24.20	24.09
			High	19.92	19.91	20.61	-	-
	5200	40	Low	20.18	19.95	21.00	-	-
			Mid	18.34	18.54	-	24.17	24.18
			High	19.77	19.90	20.52	-	-
	5240	48	Low	19.95	19.92	20.99	-	-
			Mid	18.38	18.62	-	24.16	24.19
			High	19.84	19.89	20.61	-	-
UNII 2A	5260	52	Low	20.05	19.99	20.98	-	-
			Mid	18.27	18.58	-	24.07	24.02
			High	19.80	19.88	20.49	-	-
	5280	56	Low	20.13	20.00	20.87	-	-
			Mid	18.38	18.45	-	24.10	24.07
			High	19.91	19.92	20.53	-	-
	5320	64	Low	19.94	19.93	20.85	-	-
			Mid	18.35	18.62	-	24.11	24.14
			High	19.83	19.88	20.53	-	-
UNII 2C	5500	100	Low	19.74	19.90	20.75	-	-
			Mid	18.28	18.46	-	24.18	24.19
			High	19.97	19.98	20.33	-	-
	5580	116	Low	20.12	19.93	20.82	-	-
			Mid	18.38	18.58	-	24.28	26.07
			High	19.86	19.89	20.50	-	-
	5720	144	Low	20.03	20.01	20.79	-	-
			Mid	18.34	18.60	-	26.19	26.19
			High	19.83	20.17	20.31	-	-

HE20	Frequency [MHz]	Channel No.	RU Index	26 dB BW (MHz)				
				26 T	52 T	106 T	242 T	SU
UNII 3	5745	149	Low	19.91	19.99	20.85	-	-
			Mid	18.41	18.57	-	25.88	26.09
			High	19.98	19.87	20.48	-	-
	5785	157	Low	20.00	19.97	20.93	-	-
			Mid	18.37	18.59	-	23.91	24.02
			High	19.82	19.92	20.44	-	-
	5825	165	Low	19.86	20.02	20.73	-	-
			Mid	18.39	18.45	-	23.50	23.94
			High	19.86	19.81	20.69	-	-
UNII 4	5845	169	Low	20.10	20.12	20.91	-	-
			Mid	18.43	18.56	-	21.80	21.72
			High	19.85	20.00	20.70	-	-
	5865	173	Low	19.99	19.93	20.98	-	-
			Mid	18.40	18.51	-	21.78	21.76
			High	19.82	19.80	20.98	-	-
	5885	177	Low	20.22	19.95	20.97	-	-
			Mid	18.35	18.60	-	21.77	21.80
			High	19.78	19.87	20.48	-	-

802.11ax(HE40)

HE40	Frequency [MHz]	Channel No.	RU Index	26 dB BW(MHz)					
				26 T	52 T	106 T	242 T	484 T	SU
UNII 1	5190	38	Low	39.95	41.01	40.91	41.58	-	-
			Mid	38.11	38.30	38.59	-	45.58	45.89
			High	40.40	40.74	41.18	41.07	-	-
	5230	46	Low	40.14	40.75	40.60	41.22	-	-
			Mid	38.06	38.28	38.64	-	45.72	45.94
			High	40.19	40.47	41.22	42.05	-	-
UNII 2A	5270	54	Low	39.86	40.56	40.59	41.34	-	-
			Mid	38.09	38.27	38.57	-	45.31	45.76
			High	40.39	40.22	41.28	40.98	-	-
	5310	62	Low	39.90	40.79	40.76	41.45	-	-
			Mid	38.06	38.25	38.69	-	45.63	45.74
			High	40.40	40.34	41.07	41.15	-	-
UNII 2C	5510	102	Low	39.99	40.74	40.54	41.44	-	-
			Mid	38.09	38.21	38.54	-	45.43	46.00
			High	40.28	40.48	40.92	41.15	-	-
	5550	110	Low	39.97	40.63	41.00	41.25	-	-
			Mid	38.10	38.32	38.48	-	45.49	47.68
			High	40.43	40.54	40.90	41.15	-	-
	5710	142	Low	39.84	40.75	40.52	41.49	-	-
			Mid	38.03	38.28	38.76	-	45.74	48.63
			High	40.29	40.64	41.23	41.05	-	-
UNII 3	5755	151	Low	39.81	40.79	40.49	41.32	-	-
			Mid	38.06	38.18	38.69	-	45.64	45.55
			High	40.31	40.47	41.33	41.02	-	-
	5795	159	Low	39.89	40.44	40.39	41.22	-	-
			Mid	38.07	38.31	38.54	-	45.39	45.82
			High	40.40	40.43	40.70	41.09	-	-
UNII 4	5835	167	Low	39.84	40.85	40.63	41.43	-	-
			Mid	38.11	38.22	38.42	-	43.46	43.25
			High	40.03	40.45	41.13	41.89	-	-
	5875	175	Low	39.79	40.91	41.20	41.51	-	-
			Mid	38.01	38.29	38.76	-	43.77	43.73
			High	40.32	40.40	41.16	41.87	-	-

802.11ax(HE80)

HE80	Freq. [MHz]	Channel No.	RU Index	26 dB BW (MHz)						
				26 T	52 T	106 T	242 T	484 T	996 T	SU
UNII 1	5210	42	Low	80.71	82.30	82.56	83.04	83.67	-	-
			Mid	78.06	78.30	78.83	79.07	-	86.97	88.68
			High	81.51	81.78	83.55	83.00	84.54	-	-
UNII 2A	5290	58	Low	80.79	82.07	82.24	82.96	83.01	-	-
			Mid	78.20	78.34	78.82	79.12	-	88.71	88.38
			High	81.67	82.23	83.61	83.51	84.63	-	-
UNII 2C	5530	106	Low	80.98	82.42	82.55	83.02	83.17	-	-
			Mid	78.11	78.25	78.75	79.08	-	88.20	87.84
			High	81.42	82.31	83.52	83.47	84.02	-	-
	5610	122	Low	81.11	82.54	82.38	82.84	83.95	-	-
			Mid	78.08	78.27	78.77	79.13	-	88.42	88.13
			High	81.27	82.19	82.21	82.88	84.05	-	-
	5690	138	Low	81.08	81.94	82.40	83.01	85.73	-	-
			Mid	78.16	78.22	78.79	79.04	-	88.03	88.29
			High	81.31	82.35	83.54	83.53	83.93	-	-
UNII 3	5775	155	Low	81.06	82.41	82.27	82.67	83.85	-	-
			Mid	78.08	78.34	78.78	79.24	-	88.21	88.23
			High	80.85	81.77	83.46	83.66	83.96	-	-
UNII 4	5855	171	Low	81.21	82.37	82.27	82.78	83.40	-	-
			Mid	78.08	78.24	78.72	79.24	-	86.13	87.10
			High	81.24	82.15	83.38	83.81	83.53	-	-

802.11ax(HE160)

HE160_80L	Frequency [MHz]	Channel No.	RU Index	26dB BW (MHz)						
				26 T	52 T	106 T	242 T	484 T	996 T	SU
UNII 1&2A	5250	50	Low	162.70	164.50	165.80	164.70	166.70	-	-
			Mid	158.30	158.30	159.50	160.10	-	168.70	-
			High	158.30	158.20	159.40	160.20	161.20	-	-
UNII 2A-2C	5570	114	Low	164.30	164.80	166.10	164.90	165.80	-	-
			Mid	158.20	158.70	159.50	160.20	-	168.70	-
			High	158.10	158.40	159.50	160.30	162.30	-	-
UNII 3&4	5815	163	Low	163.45	163.57	164.33	165.35	168.68	-	-
			Mid	158.08	158.57	159.22	160.22	-	168.23	-
			High	157.39	158.27	159.28	159.78	162.45	-	-

HE160_80U	Frequency [MHz]	Channel No.	RU Index	26dB BW (MHz)						
				26 T	52 T	106 T	242 T	484 T	996 T	SU
UNII 1&2A	5250	50	Low	158.20	158.30	159.50	159.90	160.70	-	-
			Mid	157.60	158.60	159.00	159.60	-	166.00	-
			High	163.50	164.40	164.10	164.60	165.20	-	-
UNII 2A-2C	5570	114	Low	158.00	158.30	159.70	159.90	162.10	-	-
			Mid	157.70	158.70	159.10	160.20	-	165.90	-
			High	161.80	163.20	164.30	164.30	166.80	-	-
UNII 3&4	5815	163	Low	157.76	158.39	159.44	159.73	161.98	-	-
			Mid	157.77	158.40	159.30	159.26	-	165.27	-
			High	162.11	163.45	164.98	165.01	165.76	-	-

HE160_SU	Frequency [MHz]	Channel No.	26dB BW (MHz)
			SU
UNII 1&2A	5250	50	163.10
UNII 2A-2C	5570	114	163.10
UNII 3&4	5815	163	163.00

99% BANDWIDTH

802.11ax(HE20)

HE20	Frequency [MHz]	Channel No.	RU Index	99% BANDWIDTH (MHz)				
				26 T	52 T	106 T	242 T	SU
UNII 1	5180	36	Low	18.326	18.218	18.261	-	-
			Mid	17.154	17.166	-	19.037	19.057
			High	18.423	18.236	18.263	-	-
	5200	40	Low	18.386	18.235	18.231	-	-
			Mid	17.178	17.149	-	19.034	19.030
			High	18.324	18.235	18.254	-	-
	5240	48	Low	18.324	18.231	18.202	-	-
			Mid	17.199	17.174	-	19.043	19.031
			High	18.418	18.197	18.276	-	-
UNII 2A	5260	52	Low	18.375	18.235	18.213	-	-
			Mid	17.074	17.186	-	19.038	19.029
			High	18.372	18.217	18.278	-	-
	5280	56	Low	18.514	18.246	18.246	-	-
			Mid	17.183	17.155	-	19.028	19.024
			High	18.411	18.212	18.293	-	-
	5320	64	Low	18.334	18.226	18.219	-	-
			Mid	17.099	17.168	-	19.036	19.033
			High	18.399	18.214	18.223	-	-
UNII 2C	5500	100	Low	18.335	18.231	18.198	-	-
			Mid	17.184	17.023	-	19.017	19.048
			High	18.394	18.173	18.253	-	-
	5580	116	Low	18.411	18.245	18.248	-	-
			Mid	17.136	17.164	-	19.042	19.046
			High	18.335	18.188	18.240	-	-
	5720	144	Low	18.368	18.250	18.277	-	-
			Mid	17.174	17.120	-	19.049	19.058
			High	18.240	18.217	18.245	-	-
UNII 3	5745	149	Low	18.365	18.237	18.230	-	-
			Mid	17.182	17.158	-	19.052	19.064
			High	18.398	18.173	18.227	-	-

HE20	Frequency [MHz]	Channel No.	RU Index	99% BANDWIDTH (MHz)				
				26 T	52 T	106 T	242 T	SU
	5785	157	Low	18.255	18.254	18.264	-	-
			Mid	17.152	17.038	-	19.031	19.025
			High	18.354	18.199	18.267	-	-
	5825	165	Low	18.355	18.244	18.242	-	-
			Mid	17.178	17.126	-	19.030	19.019
			High	18.268	18.208	18.257	-	-
UNII 4	5845	169	Low	18.370	18.215	18.227	-	-
			Mid	17.212	17.089	-	19.060	19.044
			High	18.321	18.228	18.306	-	-
	5865	173	Low	18.378	18.238	18.255	-	-
			Mid	17.198	17.110	-	19.057	19.009
			High	18.341	18.189	18.255	-	-
	5885	177	Low	18.353	18.213	18.253	-	-
			Mid	17.200	17.191	-	19.059	19.054
			High	18.341	18.194	18.273	-	-

802.11ax(HE40)

HE40	Frequency [MHz]	Channel No.	RU Index	99% BANDWIDTH(MHz)					
				26 T	52 T	106 T	242 T	484 T	SU
UNII 1	5190	38	Low	37.707	37.739	37.261	37.337	-	-
			Mid	36.045	36.154	36.317	-	37.965	37.996
			High	38.066	37.850	37.543	37.431	-	-
	5230	46	Low	37.823	37.485	37.219	37.277	-	-
			Mid	36.144	36.162	36.245	-	37.961	37.957
			High	37.907	37.727	37.418	37.492	-	-
UNII 2A	5270	54	Low	37.725	37.675	37.161	37.259	-	-
			Mid	36.169	36.137	36.335	-	37.955	37.990
			High	37.958	37.650	37.502	37.411	-	-
	5310	62	Low	37.727	37.723	37.215	37.234	-	-
			Mid	36.168	36.033	36.275	-	37.953	37.963
			High	37.971	37.682	37.505	37.450	-	-
UNII 2C	5510	102	Low	37.637	37.678	37.249	37.305	-	-
			Mid	36.082	36.045	36.217	-	37.952	37.989
			High	37.858	37.665	37.328	37.329	-	-
	5550	110	Low	37.768	37.561	37.291	37.325	-	-
			Mid	36.047	36.143	36.159	-	37.923	37.995
			High	37.890	37.632	37.423	37.380	-	-
	5710	142	Low	37.659	37.716	37.290	37.397	-	-
			Mid	35.922	36.120	36.131	-	37.972	38.024
			High	37.840	37.734	37.443	37.362	-	-
UNII 3	5755	151	Low	37.610	37.636	37.284	37.252	-	-
			Mid	36.018	36.155	36.195	-	37.951	37.997
			High	37.867	37.605	37.476	37.394	-	-
	5795	159	Low	37.728	37.573	37.252	37.339	-	-
			Mid	36.171	36.226	36.230	-	37.933	37.982
			High	37.968	37.631	37.489	37.428	-	-
UNII 4	5835	167	Low	37.733	37.630	37.268	37.338	-	-
			Mid	36.001	36.157	36.139	-	37.940	37.959
			High	37.894	37.651	37.395	37.328	-	-
	5875	175	Low	37.711	37.708	37.358	37.361	-	-
			Mid	36.076	36.153	36.338	-	37.964	37.983
			High	37.970	37.564	37.401	37.342	-	-

802.11ax(HE80)

HE80	Freq. [MHz]	Channel No.	RU Index	99% BANDWIDTH (MHz)						
				26 T	52 T	106 T	242 T	484 T	996 T	SU
UNII 1	5210	42	Low	77.735	78.079	76.955	76.986	76.592	-	-
			Mid	74.540	74.944	74.865	74.949	-	77.753	77.830
			High	78.161	77.647	77.386	76.985	76.748	-	-
UNII 2A	5290	58	Low	77.824	78.034	76.972	76.970	76.657	-	-
			Mid	74.722	75.015	75.047	75.095	-	77.771	77.579
			High	78.249	77.789	77.612	77.127	76.717	-	-
UNII 2C	5530	106	Low	77.860	78.208	77.170	77.003	76.657	-	-
			Mid	74.542	74.872	74.914	75.009	-	77.642	77.606
			High	78.006	77.731	77.322	76.811	76.760	-	-
	5610	122	Low	77.837	78.082	77.116	76.979	76.724	-	-
			Mid	74.417	74.680	74.770	74.887	-	77.742	77.693
			High	77.563	77.536	76.970	76.881	76.760	-	-
	5690	138	Low	78.046	78.267	77.292	77.096	76.751	-	-
			Mid	74.591	74.741	74.804	74.874	-	77.710	77.780
			High	77.813	77.558	77.271	76.951	76.604	-	-
UNII 3	5775	155	Low	78.000	78.063	77.203	77.047	76.722	-	-
			Mid	74.728	74.799	74.827	75.091	-	77.661	77.764
			High	77.869	77.357	77.125	76.931	76.642	-	-
UNII 4	5855	171	Low	78.302	78.249	77.337	76.945	76.723	-	-
			Mid	74.532	74.792	74.762	75.002	-	77.646	77.605
			High	77.411	77.478	77.212	76.664	76.654	-	-

802.11ax(HE160)

HE160_80L	Frequency [MHz]	Channel No.	RU Index	99% BANDWIDTH (MHz)						
				26 T	52 T	106 T	242 T	484 T	996 T	SU
UNII 1&2A	5250	50	Low	157.83	157.40	157.32	155.99	155.35	-	-
			Mid	152.67	151.94	152.56	152.46	-	155.71	-
			High	152.67	152.09	152.47	152.41	151.81	-	-
UNII 2A-2C	5570	114	Low	159.44	158.02	158.14	156.89	156.07	-	-
			Mid	152.84	152.36	152.68	152.70	-	156.04	-
			High	152.56	152.53	153.04	152.99	153.02	-	-
UNII 3&4	5815	163	Low	158.71	157.99	157.08	156.01	156.07	-	-
			Mid	152.78	152.45	152.43	152.63	-	155.85	-
			High	152.24	151.52	152.40	152.55	153.26	-	-

HE160_80U	Frequency [MHz]	Channel No.	RU Index	99% BANDWIDTH (MHz)						
				26 T	52 T	106 T	242 T	484 T	996 T	SU
UNII 1&2A	5250	50	Low	152.98	152.51	153.00	152.79	152.65	-	-
			Mid	152.17	152.75	152.65	152.82	-	155.77	-
			High	159.17	158.50	157.19	156.98	156.20	-	-
UNII 2A-2C	5570	114	Low	153.15	152.11	152.50	152.20	152.92	-	-
			Mid	152.21	152.23	152.49	152.36	-	155.08	-
			High	158.86	157.52	156.68	155.48	155.47	-	-
UNII 3&4	5815	163	Low	152.51	151.95	152.18	152.87	153.17	-	-
			Mid	151.65	151.82	151.92	152.49	-	155.44	-
			High	158.13	156.82	156.86	156.05	155.86	-	-

HE160_SU	Frequency [MHz]	Channel No.	99% BANDWIDTH (MHz)
			SU
UNII 1&2A	5250	50	155.04
UNII 2A-2C	5570	114	154.79
UNII 3&4	5815	163	154.69

10.3 6 dB BANDWIDTH

10.3.1 Ant1

802.11ax(HE20)

HE20	Frequency [MHz]	Channel No.	RU Index	6 dB BW (MHz)				
				26 T	52 T	106 T	242 T	SU
UNII 3	5745	149	Low	2.157	17.10	18.15	-	-
			Mid	2.772	15.10	-	19.04	19.05
			High	2.137	17.05	17.15	-	-
	5785	157	Low	2.147	17.06	18.14	-	-
			Mid	2.694	15.11	-	19.04	19.04
			High	2.138	17.07	17.13	-	-
	5825	165	Low	2.116	17.11	18.16	-	-
			Mid	2.745	15.12	-	19.05	19.04
			High	2.124	17.08	17.15	-	-
UNII 4	5845	169	Low	2.133	17.11	18.13	-	-
			Mid	2.790	15.12	-	19.07	19.06
			High	2.118	17.06	17.14	-	-
	5865	173	Low	2.150	17.10	18.15	-	-
			Mid	2.723	15.10	-	19.07	19.06
			High	2.134	17.05	17.15	-	-
	5885	177	Low	2.162	17.12	18.11	-	-
			Mid	2.759	15.13	-	19.06	19.07
			High	2.113	17.06	17.16	-	-

Limit : > 0.5 MHz

802.11ax(HE40)

HE40	Frequency [MHz]	Channel No.	RU Index	6 dB BW(MHz)					
				26 T	52 T	106 T	242 T	484 T	SU
UNII 3	5755	151	Low	2.153	4.213	36.62	36.82	-	-
			Mid	2.161	4.167	35.08	-	38.15	38.156
			High	2.143	4.208	36.60	36.78	-	-
	5795	159	Low	2.151	4.199	36.60	36.82	-	-
			Mid	2.163	4.194	35.06	-	38.15	38.15
			High	2.158	4.229	36.57	36.79	-	-
UNII 4	5835	167	Low	2.156	4.218	36.59	36.83	-	-
			Mid	2.137	4.185	32.62	-	38.16	38.15
			High	2.135	4.235	36.61	36.74	-	-
	5875	175	Low	2.151	4.228	36.62	36.83	-	-
			Mid	2.162	4.182	33.87	-	38.17	38.14
			High	2.158	4.169	36.57	36.74	-	-

Limit : > 0.5 MHz

802.11ax(HE80)

HE80	Frequency [MHz]	Channel No.	RU Index	6 dB BW (MHz)						
				26 T	52 T	106 T	242 T	484 T	996 T	SU
UNII 3	5775	155	Low	2.243	4.341	8.433	76.86	76.94	-	-
			Mid	2.837	4.295	8.454	75.15	-	78.26	78.22
			High	2.247	4.318	8.442	74.29	76.90	-	-
UNII 4	5855	171	Low	2.215	4.343	8.390	76.79	76.99	-	-
			Mid	2.851	4.297	8.456	73.98	-	78.20	78.18
			High	2.273	4.335	8.436	76.83	76.92	-	-

Limit : > 0.5 MHz

802.11ax(HE160)

HE160_80L	Frequency [MHz]	Channel No.	RU Index	6dB BW (MHz)						
				26 T	52 T	106 T	242 T	484 T	996 T	SU
UNII 3&4	5815	163	Low	2.415	4.583	8.677	19.32	156.72	-	-
			Mid	3.038	4.564	8.729	19.29	-	157.75	-
			High	2.432	4.583	8.711	19.22	155.02	-	-

HE160_80U	Frequency [MHz]	Channel No.	RU Index	6dB BW (MHz)						
				26 T	52 T	106 T	242 T	484 T	996 T	SU
UNII 3&4	5815	163	Low	2.449	4.585	8.686	19.30	153.71	-	-
			Mid	3.064	4.552	8.713	19.31	-	156.66	-
			High	2.382	4.563	8.726	19.25	156.75	-	-

HE160_SU	Frequency [MHz]	Channel No.	6dB BW (MHz)
			SU
UNII 3&4	5815	163	122.69

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802.11ax(HE20)

HE20	Frequency [MHz]	Channel No.	RU Index	6 dB BW (MHz)				
				26 T	52 T	106 T	242 T	SU
UNII 3	5745	149	Low	2.127	17.04	17.77	-	-
			Mid	2.672	15.10	-	19.07	19.07
			High	2.105	17.05	17.19	-	-
	5785	157	Low	2.151	17.07	17.18	-	-
			Mid	2.686	15.09	-	19.06	19.04
			High	2.096	17.06	17.19	-	-
	5825	165	Low	2.127	17.01	17.76	-	-
			Mid	2.689	15.03	-	19.07	19.10
			High	2.091	17.05	17.18	-	-
UNII 4	5845	169	Low	2.110	17.01	17.74	-	-
			Mid	2.716	15.08	-	19.07	19.10
			High	2.115	17.03	17.19	-	-
	5865	173	Low	2.108	14.54	17.75	-	-
			Mid	2.695	15.06	-	19.10	19.12
			High	2.127	17.05	17.18	-	-
	5885	177	Low	2.135	17.01	17.74	-	-
			Mid	2.675	15.07	-	19.11	19.10
			High	2.102	17.05	17.18	-	-

Limit : > 0.5 MHz

802.11ax(HE40)

HE40	Frequency [MHz]	Channel No.	RU Index	6 dB BW(MHz)					
				26 T	52 T	106 T	242 T	484 T	SU
UNII 3	5755	151	Low	2.165	4.163	36.66	36.72	-	-
			Mid	2.164	4.220	35.13	-	38.17	38.108
			High	2.174	4.189	36.61	36.75	-	-
	5795	159	Low	2.179	4.148	36.65	36.72	-	-
			Mid	2.177	4.200	35.11	-	38.14	38.11
			High	2.159	4.202	36.57	36.76	-	-
UNII 4	5835	167	Low	2.173	4.139	36.62	36.75	-	-
			Mid	2.196	4.195	35.10	-	38.09	38.18
			High	2.172	4.180	36.59	36.70	-	-
	5875	175	Low	2.117	4.135	36.62	36.74	-	-
			Mid	2.209	4.174	35.09	-	38.15	38.16
			High	2.167	4.195	36.57	36.75	-	-

Limit : > 0.5 MHz

802.11ax(HE80)

HE80	Frequency [MHz]	Channel No.	RU Index	6 dB BW (MHz)						
				26 T	52 T	106 T	242 T	484 T	996 T	SU
UNII 3	5775	155	Low	2.291	4.268	8.478	76.71	76.88	-	-
			Mid	2.818	4.259	8.482	75.10	-	78.20	78.17
			High	2.255	4.262	8.452	76.77	76.86	-	-
UNII 4	5855	171	Low	2.298	4.276	8.506	76.75	76.88	-	-
			Mid	2.808	4.261	8.464	75.12	-	78.18	78.19
			High	2.244	4.290	8.446	76.76	76.88	-	-

Limit : > 0.5 MHz

802.11ax(HE160)

HE160_80L	Frequency [MHz]	Channel No.	RU Index	6dB BW (MHz)						
				26 T	52 T	106 T	242 T	484 T	996 T	SU
UNII 3&4	5815	163	Low	2.417	4.470	8.694	19.28	156.82	-	-
			Mid	2.981	4.536	8.731	19.24	-	156.92	-
			High	2.388	4.551	8.699	19.32	155.02	-	-

HE160_80U	Frequency [MHz]	Channel No.	RU Index	6dB BW (MHz)						
				26 T	52 T	106 T	242 T	484 T	996 T	SU
UNII 3&4	5815	163	Low	2.423	4.474	8.708	19.24	152.44	-	-
			Mid	2.971	4.604	8.739	19.27	-	156.95	-
			High	2.426	4.603	8.715	19.27	156.77	-	-

HE160_SU	Frequency [MHz]	Channel No.	6dB BW (MHz)
			SU
UNII 3&4	5815	163	140.01

10.4 OUTPUT POWER MEASUREMENT

Straddle channel data in the table below are for reporting purposes only.

Straddle channel data were added in section 10.6.3.

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HE20		Frequency [MHz]	Channel No.	RU Index	Max. Average Power (dBm)				
					26 T	52 T	106 T	242 T	SU
Max Output Power (dBm)	UNII 1	5180	36	Low	6.23	8.68	10.23	-	-
				Mid	6.35	8.80	-	12.24	16.55
				High	6.31	8.78	10.27	-	-
		5200	40	Low	6.20	8.67	10.21	-	-
				Mid	6.36	8.80	-	12.23	16.54
				High	6.31	8.75	10.26	-	-
		5240	48	Low	6.22	8.84	10.35	-	-
				Mid	6.33	8.96	-	12.34	7.87
				High	6.31	8.88	10.40	-	-
	UNII 2a	5260	52	Low	6.66	9.12	10.51	-	-
				Mid	6.71	9.21	-	12.89	16.87
				High	6.69	9.18	10.53	-	-
		5280	56	Low	6.54	8.97	10.44	-	-
				Mid	6.65	9.13	-	12.79	16.77
				High	6.67	9.07	10.51	-	-
		5320	64	Low	6.69	9.10	10.66	-	-
				Mid	6.85	9.23	-	11.89	17.02
				High	6.82	9.22	10.73	-	-
	UNII 2c	5500	100	Low	6.36	8.96	10.55	-	-
				Mid	6.51	9.09	-	12.72	16.72
				High	6.51	9.05	10.65	-	-
		5580	116	Low	6.20	8.66	10.57	-	-
				Mid	6.34	8.81	-	12.66	16.40
				High	6.42	8.86	10.71	-	-
		5720	144	Low	6.77	8.82	10.32	-	-
				Mid	6.89	8.95	-	12.18	15.97
				High	6.82	8.89	10.37	-	-
	UNII 3	5745	149	Low	6.25	8.60	10.25	-	-
				Mid	6.34	8.73	-	10.35	10.35
				High	6.33	8.69	10.32	-	-

HE20		Frequency [MHz]	Channel No.	RU Index	Max. Average Power (dBm)				
					26 T	52 T	106 T	242 T	SU
		5785	157	Low	6.45	8.73	10.17	-	-
				Mid	6.57	8.85	-	10.74	10.76
				High	6.56	8.82	10.25	-	-
		5825	165	Low	6.13	8.47	9.81	-	-
				Mid	6.26	8.58	-	9.90	9.90
				High	6.23	8.59	9.88	-	-
	UNII 4	5845	169	Low	6.27	9.24	10.50	-	-
				Mid	6.36	9.30	-	10.42	10.48
				High	6.28	9.21	10.52	-	-
		5865	173	Low	6.13	9.09	10.34	-	-
				Mid	6.22	9.17	-	10.34	10.27
				High	6.22	9.13	10.40	-	-
		5885	177	Low	6.82	9.18	10.48	-	-
				Mid	6.87	9.38	-	10.60	10.60
				High	6.80	9.23	10.52	-	-

HE40		Frequency [MHz]	Channel No.	RU Index	Max. Average Power (dBm)					
					26 T	52 T	106 T	242 T	484 T	SU
Max Output Power (dBm)	UNII 1	5190	38	Low	5.95	8.57	10.15	11.11	-	-
				Mid	6.45	9.04	10.45	-	11.26	15.65
				High	6.13	8.82	10.36	11.21	-	-
		5230	46	Low	5.96	8.77	10.33	11.20	-	-
				Mid	6.54	9.26	10.61	-	11.33	12.25
				High	6.22	9.00	10.49	11.34	-	-
	UNII 2a	5270	54	Low	6.41	9.02	10.42	11.13	-	-
				Mid	6.89	9.45	10.69	-	11.23	15.62
				High	6.61	9.24	10.60	11.22	-	-
		5310	62	Low	5.97	8.54	10.17	11.27	-	-
				Mid	6.56	9.06	10.48	-	11.40	15.09
				High	6.28	8.84	10.40	11.42	-	-
	UNII 2c	5510	102	Low	6.04	8.79	10.41	10.53	-	-
				Mid	6.60	9.29	10.72	-	9.50	13.87
				High	6.33	9.06	10.63	10.66	-	-
		5550	110	Low	6.24	8.88	10.49	11.14	-	-
				Mid	6.81	9.35	10.79	-	11.24	15.87
				High	6.44	9.08	10.65	11.24	-	-
		5710	142	Low	5.99	8.08	10.30	10.51	-	-
				Mid	6.70	8.67	10.67	-	10.66	16.46
				High	6.39	8.47	10.65	10.71	-	-
	UNII 3	5755	151	Low	5.96	8.59	10.24	9.51	-	-
				Mid	6.47	9.04	10.54	-	9.54	9.73
				High	6.19	8.77	10.41	9.52	-	-
		5795	159	Low	6.18	8.68	10.13	9.72	-	-
				Mid	6.75	9.19	10.42	-	9.84	9.83
				High	6.44	8.94	10.33	9.84	-	-
	UNII 4	5835	167	Low	6.06	9.11	10.44	10.47	-	-
				Mid	6.63	9.55	10.76	-	10.63	10.63
				High	6.20	9.35	10.57	10.62	-	-
		5875	175	Low	5.86	8.98	9.66	9.23	-	-
				Mid	6.33	9.48	9.87	-	9.32	9.31
				High	6.04	9.21	9.82	9.35	-	-

HE80		Frequency [MHz]	Channel No.	RU Index	Max. Average Power (dBm)						
					26 T	52 T	106 T	242 T	484 T	996 T	SU
Max Output Power (dBm)	UNII 1	5210	42	Low	6.21	8.81	10.25	10.38	10.45	-	-
				Mid	6.71	9.35	10.74	10.61	-	10.63	13.96
				High	6.67	9.33	10.72	10.82	10.77	-	-
	UNII 2A	5290	58	Low	6.50	9.00	10.24	10.37	10.46	-	-
				Mid	7.02	9.53	10.77	10.67	-	10.67	13.98
				High	7.04	9.51	10.76	10.85	10.76	-	-
	UNII 2C	5530	106	Low	6.07	8.67	10.17	10.32	9.51	-	-
				Mid	6.69	9.32	10.70	10.59	-	10.58	13.78
				High	6.61	9.19	10.63	10.72	9.59	-	-
		5610	122	Low	5.79	8.24	9.51	9.67	9.87	-	-
				Mid	6.63	9.17	10.35	10.11	-	10.73	14.71
				High	6.74	9.23	10.40	10.48	10.42	-	-
		5690	138	Low	5.51	8.01	9.54	9.51	9.66	-	-
				Mid	6.45	8.84	10.23	9.92	-	10.70	14.42
				High	6.61	8.98	10.36	10.43	10.40	-	-
	UNII 3	5775	155	Low	6.13	8.30	9.71	9.85	9.96	-	-
				Mid	6.67	8.84	10.18	10.14	-	10.07	9.56
				High	6.69	8.83	10.14	10.22	10.19	-	-
	UNII 4	5855	171	Low	6.31	9.26	10.31	10.46	10.50	-	-
				Mid	6.73	9.58	10.68	10.59	-	10.56	10.55
				High	6.66	9.42	10.62	10.68	10.59	-	-

HE160_80L		Frequency [MHz]	Channel No.	RU Index	Max. Average Power (dBm)						
					26 T	52 T	106 T	242 T	484 T	996 T	SU
Max Output Power (dBm)	UNII 1&2A	5250	50	Low	5.65	8.31	8.76	8.91	9.02	-	-
				Mid	6.33	8.99	9.43	9.22	-	9.20	-
				High	6.70	9.25	9.61	9.64	9.50	-	-
	UNII 2C	5570	114	Low	6.31	7.37	7.35	7.52	7.69	-	-
				Mid	7.29	8.27	8.24	7.94	-	8.02	-
				High	7.76	8.68	8.51	8.52	8.35	-	-
	UNII 3&4	5815	163	Low	5.84	8.98	10.10	10.25	10.32	-	-
				Mid	6.48	9.64	10.66	10.55	-	10.47	-
				High	6.67	9.77	10.76	10.78	10.66	-	-

HE160_80U		Frequency [MHz]	Channel No.	RU Index	Max. Average Power (dBm)						
					26 T	52 T	106 T	242 T	484 T	996 T	SU
Max Output Power (dBm)	UNII 1&2A	5250	50	Low	6.70	9.24	9.68	9.68	9.68	-	-
				Mid	6.87	9.46	9.86	9.79	-	9.69	-
				High	6.84	9.42	9.82	9.89	9.83	-	-
	UNII 2C	5570	114	Low	7.36	7.75	7.78	7.86	7.94	-	-
				Mid	7.86	8.41	8.35	8.15	-	8.24	-
				High	7.94	8.39	8.45	8.39	8.37	-	-
	UNII 3&4	5815	163	Low	6.61	9.80	10.82	10.87	10.81	-	-
				Mid	6.66	9.75	10.72	10.86	-	10.63	-
				High	6.37	9.50	10.55	10.63	10.59	-	-

HE160_SU		Frequency [MHz]	Channel No.	Max. Average Power (dBm)
				SU
Max Output Power (dBm)	UNII 1&2A	5250	50	13.44
	UNII 2C	5570	114	13.91
	UNII 3&4	5815	163	10.52

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HE20		Frequency [MHz]	Channel No.	RU Index	Max. Average Power (dBm)				
					26 T	52 T	106 T	242 T	SU
Max Output Power (dBm)	UNII 1	5180	36	Low	7.55	10.06	11.57	-	-
				Mid	7.53	10.13	-	13.76	17.40
				High	7.42	10.00	11.49	-	-
		5200	40	Low	7.60	10.13	11.61	-	-
				Mid	7.64	10.19	-	13.85	17.47
				High	7.52	10.10	11.58	-	-
		5240	48	Low	7.56	10.33	11.86	-	-
				Mid	7.52	10.38	-	13.63	9.06
				High	7.35	10.15	11.73	-	-
	UNII 2A	5260	52	Low	7.35	9.88	11.36	-	-
				Mid	7.23	9.90	-	12.90	17.44
				High	7.14	9.68	11.18	-	-
		5280	56	Low	7.27	9.80	11.28	-	-
				Mid	7.30	9.88	-	12.92	17.43
				High	7.24	9.77	11.25	-	-
		5320	64	Low	7.39	9.87	11.34	-	-
				Mid	7.41	9.94	-	12.47	17.56
				High	7.30	9.84	11.31	-	-
	UNII 2C	5500	100	Low	7.20	9.53	11.13	-	-
				Mid	7.30	9.63	-	13.49	17.22
				High	7.27	9.60	11.20	-	-
		5580	116	Low	6.29	9.03	10.54	-	-
				Mid	6.32	9.09	-	12.33	16.58
				High	6.34	9.10	10.57	-	-
		5720	144	Low	7.34	9.23	10.32	-	-
				Mid	7.34	9.33	-	12.47	16.39
				High	7.30	9.27	10.30	-	-
	UNII 3	5745	149	Low	7.46	9.86	11.34	-	-
				Mid	7.52	9.95	-	11.42	11.31
				High	7.50	9.91	11.39	-	-
		5785	157	Low	7.00	9.45	10.55	-	-
				Mid	7.09	9.57	-	11.02	11.03
				High	7.11	9.56	10.63	-	-
		5825	165	Low	6.88	9.34	10.50	-	-

HE20		Frequency [MHz]	Channel No.	RU Index	Max. Average Power (dBm)				
					26 T	52 T	106 T	242 T	SU
				Mid	7.04	9.46	-	10.60	10.57
				High	7.05	9.51	10.60	-	-
	UNII 4	5845	169	Low	6.98	9.95	11.12	-	-
				Mid	7.05	10.06	-	11.16	11.21
				High	7.06	10.02	11.16	-	-
		5865	173	Low	6.88	9.82	10.96	-	-
				Mid	6.93	9.92	-	11.15	11.01
				High	7.00	9.96	11.09	-	-
		5885	177	Low	7.57	10.07	11.08	-	-
				Mid	7.68	10.20	-	11.90	11.16
				High	7.83	10.22	11.25	-	-

HE40		Frequency [MHz]	Channel No.	RUIndex	Max. Average Power (dBm)					
					26 T	52 T	106 T	242 T	484 T	SU
Max Output Power (dBm)	UNII 1	5190	38	Low	7.44	10.10	11.60	12.93	-	-
				Mid	7.70	10.34	11.71	-	12.95	16.56
				High	7.30	9.97	11.47	12.86	-	-
		5230	46	Low	7.40	10.31	11.85	12.91	-	-
				Mid	7.73	10.47	11.98	-	12.90	13.32
				High	7.15	10.11	11.66	12.79	-	-
	UNII 2A	5270	54	Low	7.22	9.87	11.36	11.89	-	-
				Mid	7.33	10.01	11.43	-	11.89	16.15
				High	6.90	9.67	11.16	11.75	-	-
		5310	62	Low	6.68	9.31	11.01	11.98	-	-
				Mid	7.01	9.63	11.22	-	12.01	15.74
				High	6.64	9.27	10.96	11.95	-	-
	UNII 2C	5510	102	Low	6.96	9.45	11.09	11.17	-	-
				Mid	7.40	9.82	11.32	-	10.26	14.48
				High	7.02	9.51	11.10	11.18	-	-
		5550	110	Low	6.61	9.27	10.89	11.50	-	-
				Mid	6.96	9.59	11.08	-	11.55	16.04
				High	6.58	9.24	10.86	11.48	-	-
		5710	142	Low	6.55	8.68	10.32	10.50	-	-
				Mid	7.12	9.20	10.64	-	10.61	15.94
				High	6.82	8.93	10.53	10.63	-	-
	UNII 3	5755	151	Low	7.18	9.77	11.38	10.60	-	-
				Mid	7.62	10.15	11.62	-	10.70	10.69
				High	7.34	9.91	11.49	10.68	-	-
		5795	159	Low	6.71	9.34	10.51	10.14	-	-
				Mid	7.23	9.81	10.79	-	10.24	10.24
				High	7.02	9.61	10.76	10.29	-	-
	UNII 4	5835	167	Low	6.72	9.83	11.04	11.18	-	-
				Mid	7.29	10.34	11.34	-	11.38	11.28
				High	6.99	10.09	11.25	11.31	-	-
		5875	175	Low	6.74	9.70	10.32	9.98	-	-
				Mid	7.32	10.22	10.60	-	10.29	10.18
				High	7.16	10.16	10.61	10.20	-	-

HE80		Frequency [MHz]	Channel No.	RU Index	Max. Average Power (dBm)						
					26 T	52 T	106 T	242 T	484 T	996 T	SU
Max Output Power (dBm)	UNII 1	5210	42	Low	7.68	10.46	11.90	11.98	11.98	-	-
				Mid	7.81	10.49	11.99	11.99	-	11.92	14.85
				High	7.36	10.18	11.61	11.78	11.87	-	-
	UNII 2A	5290	58	Low	7.59	10.14	11.47	11.52	11.49	-	-
				Mid	7.59	10.15	11.47	11.52	-	11.41	14.45
				High	7.26	9.84	11.22	11.32	11.37	-	-
	UNII 2C	5530	106	Low	7.06	9.47	10.97	11.10	10.16	-	-
				Mid	7.43	9.81	11.24	11.25	-	11.17	14.39
				High	7.19	9.56	11.04	11.13	10.18	-	-
		5610	122	Low	6.18	8.98	9.93	10.06	10.19	-	-
				Mid	6.73	9.54	10.45	10.35	-	10.71	14.61
				High	6.53	9.32	10.27	10.36	10.40	-	-
		5690	138	Low	6.11	8.54	9.55	9.68	9.83	-	-
				Mid	6.86	9.36	10.32	10.06	-	10.53	14.65
				High	6.95	9.42	10.38	10.44	10.31	-	-
	UNII 3	5775	155	Low	6.54	9.08	10.15	10.28	10.36	-	-
				Mid	6.96	9.56	10.55	10.48	-	10.49	9.98
				High	7.00	9.58	10.58	10.63	10.60	-	-
	UNII 4	5855	171	Low	6.70	9.71	10.82	10.91	11.18	-	-
				Mid	7.26	10.23	11.26	11.24	-	11.17	11.26
				High	7.36	10.34	11.38	11.38	11.32	-	-

HE160_80L		Frequency [MHz]	Channel No.	RU Index	Max. Average Power (dBm)						
					26 T	52 T	106 T	242 T	484 T	996 T	SU
Max Output Power (dBm)	UNII 1&2A	5250	50	Low	7.58	10.12	10.74	10.81	10.83	-	-
				Mid	7.81	10.41	10.94	10.95	-	10.82	-
				High	7.71	10.25	10.88	10.90	10.90	-	-
	UNII 2C	5570	114	Low	7.34	7.61	7.62	7.80	7.87	-	-
				Mid	7.88	8.25	8.16	8.06	-	8.66	-
				High	7.89	8.36	8.21	8.22	8.14	-	-
	UNII 3&4	5815	163	Low	6.51	9.45	10.45	10.60	10.67	-	-
				Mid	6.96	9.94	10.86	10.82	-	10.76	-
				High	7.20	10.16	10.95	10.94	10.92	-	-

HE160_80U		Frequency [MHz]	Channel No.	RU Index	Max. Average Power (dBm)						
					26 T	52 T	106 T	242 T	484 T	996 T	SU
Max Output Power (dBm)	UNII 1&2A	5250	50	Low	7.61	10.18	10.77	10.72	10.59	-	-
				Mid	7.49	10.02	10.58	10.61	-	10.42	-
				High	7.08	9.75	10.27	10.40	10.41	-	-
	UNII 2C	5570	114	Low	7.45	7.92	7.82	7.91	7.87	-	-
				Mid	7.74	8.26	8.13	8.07	-	8.06	-
				High	7.52	8.07	8.04	8.10	8.11	-	-
	UNII 3&4	5815	163	Low	7.25	10.17	10.87	10.92	10.91	-	-
				Mid	7.32	10.26	10.96	10.98	-	10.86	-
				High	7.35	10.32	10.99	10.99	10.93	-	-

HE160_SU		Frequency [MHz]	Channel No.	Max. Average Power (dBm)
				SU
Max Output Power (dBm)	UNII 1&2A	5250	50	14.35
	UNII 2C	5570	114	13.87
	UNII 3&4	5815	163	10.97

10.4.3 SUM (Ant 1 + Ant 2)

HE20		Frequency [MHz]	Channel No.	RU Index	SUM Power (dBm)				
					26 T	52 T	106 T	242 T	SU
Max Output Power (dBm)	UNII 1	5180	36	Low	9.95	12.44	13.96	-	-
				Mid	9.99	12.53	-	16.08	20.00
				High	9.91	12.44	13.93	-	-
		5200	40	Low	9.97	12.47	13.98	-	-
				Mid	10.06	12.56	-	16.13	20.04
				High	9.97	12.49	13.98	-	-
		5240	48	Low	9.95	12.66	14.18	-	-
				Mid	9.98	12.73	-	16.04	11.52
				High	9.87	12.57	14.13	-	-
	UNII 2A	5260	52	Low	10.03	12.53	13.96	-	-
				Mid	9.99	12.58	-	15.91	20.17
				High	9.93	12.45	13.88	-	-
		5280	56	Low	9.93	12.41	13.89	-	-
				Mid	10.00	12.53	-	15.86	20.12
				High	9.98	12.45	13.90	-	-
		5320	64	Low	10.06	12.51	14.02	-	-
				Mid	10.15	12.61	-	15.20	20.31
				High	10.08	12.55	14.04	-	-
	UNII 2C	5500	100	Low	9.81	12.26	13.86	-	-
				Mid	9.93	12.38	-	16.13	19.99
				High	9.92	12.35	13.94	-	-
		5580	116	Low	9.25	11.86	13.56	-	-
				Mid	9.34	11.96	-	15.51	19.50
				High	9.39	11.99	13.65	-	-
		5720	144	Low	10.08	12.04	13.33	-	-
				Mid	10.13	12.15	-	15.34	19.19
				High	10.08	12.09	13.35	-	-
	UNII 3	5745	149	Low	9.91	12.29	13.84	-	-
				Mid	9.98	12.39	-	13.93	13.87
				High	9.97	12.35	13.90	-	-
		5785	157	Low	9.75	12.11	13.37	-	-
				Mid	9.84	12.24	-	13.89	13.91
				High	9.85	12.22	13.45	-	-
		5825	165	Low	9.53	11.94	13.18	-	-

HE20		Frequency [MHz]	Channel No.	RU Index	SUM Power (dBm)				
					26 T	52 T	106 T	242 T	SU
				Mid	9.68	12.05	-	13.27	13.26
				High	9.67	12.08	13.27	-	-
	UNII 4	5845	169	Low	9.65	12.62	13.83	-	-
				Mid	9.73	12.70	-	13.82	13.87
				High	9.69	12.64	13.86	-	-
		5865	173	Low	9.53	12.48	13.67	-	-
				Mid	9.60	12.57	-	13.77	13.67
				High	9.64	12.58	13.77	-	-
		5885	177	Low	10.22	12.66	13.80	-	-
				Mid	10.31	12.82	-	14.31	13.90
				High	10.36	12.77	13.91	-	-
Max EIRP Power (dBm)	UNII 4	5845	169	Low	6.13	9.10	10.31	-	-
				Mid	6.21	9.18	-	10.30	10.35
				High	6.17	9.12	10.34	-	-
		5865	173	Low	6.01	8.96	10.15	-	-
				Mid	6.08	9.05	-	10.25	10.15
				High	6.12	9.06	10.25	-	-
		5885	177	Low	6.70	9.14	10.28	-	-
				Mid	6.79	9.30	-	10.79	10.38
				High	6.84	9.25	10.39	-	-

HE40		Frequency [MHz]	Channel No.	RU Index	SUM Power (dBm)					
					26 T	52 T	106 T	242 T	484 T	SU
Max Output Power (dBm)	UNII 1	5190	38	Low	9.77	12.41	13.94	15.12	-	-
				Mid	10.13	12.75	14.14	-	15.20	19.14
				High	9.76	12.44	13.96	15.12	-	-
		5230	46	Low	9.75	12.62	14.17	15.15	-	-
				Mid	10.18	12.92	14.36	-	15.19	15.83
				High	9.72	12.60	14.12	15.13	-	-
	UNII 2A	5270	54	Low	9.85	12.47	13.92	14.54	-	-
				Mid	10.13	12.75	14.09	-	14.59	18.91
				High	9.77	12.47	13.90	14.51	-	-
		5310	62	Low	9.35	11.95	13.62	14.65	-	-
				Mid	9.80	12.36	13.87	-	14.73	18.44
				High	9.48	12.07	13.70	14.70	-	-
	UNII 2C	5510	102	Low	9.54	12.14	13.77	13.87	-	-
				Mid	10.03	12.57	14.04	-	12.91	17.20
				High	9.70	12.30	13.88	13.94	-	-
		5550	110	Low	9.44	12.09	13.71	14.34	-	-
				Mid	9.90	12.48	13.95	-	14.41	18.97
				High	9.52	12.17	13.76	14.37	-	-
		5710	142	Low	9.29	11.40	13.32	13.52	-	-
				Mid	9.93	11.95	13.66	-	13.64	19.22
				High	9.62	11.72	13.60	13.68	-	-
	UNII 3	5755	151	Low	9.62	12.23	13.86	13.10	-	-
				Mid	10.09	12.64	14.12	-	13.17	13.25
				High	9.82	12.39	13.99	13.15	-	-
		5795	159	Low	9.47	12.03	13.33	12.94	-	-
				Mid	10.01	12.52	13.62	-	13.05	13.05
				High	9.75	12.30	13.56	13.08	-	-
	UNII 4	5835	167	Low	9.42	12.50	13.76	13.85	-	-
				Mid	9.98	12.98	14.07	-	14.03	13.98
				High	9.62	12.75	13.94	13.99	-	-
		5875	175	Low	9.34	12.37	13.02	12.63	-	-
				Mid	9.86	12.87	13.26	-	12.84	12.78
				High	9.65	12.72	13.24	12.81	-	-
Max EIRP Power (dBm)	UNII 4	5835	167	Low	5.90	8.98	10.24	10.33	-	-
				Mid	6.46	9.46	10.55	-	10.51	10.46

				High	6.10	9.23	10.42	10.47	-	-
		5875	175	Low	5.82	8.85	9.50	9.11	-	-
				Mid	6.34	9.35	9.74	-	9.32	9.26
				High	6.13	9.20	9.72	9.29	-	-

HE80		Frequency [MHz]	Channel No.	RU Index	SUM Power (dBm)						
					26 T	52 T	106 T	242 T	484 T	996 T	SU
Max Output Power (dBm)	UNII 1	5210	42	Low	10.02	12.72	14.16	14.26	14.29	-	-
				Mid	10.31	12.97	14.42	14.36	-	14.33	17.44
				High	10.04	12.79	14.20	14.34	14.36	-	-
	UNII 2A	5290	58	Low	10.09	12.62	13.91	13.99	14.02	-	-
				Mid	10.32	12.86	14.15	14.12	-	14.07	17.23
				High	10.16	12.69	14.00	14.10	14.09	-	-
	UNII 2C	5530	106	Low	9.60	12.10	13.60	13.74	12.86	-	-
				Mid	10.09	12.58	13.99	13.94	-	13.89	17.11
				High	9.92	12.39	13.85	13.94	12.90	-	-
		5610	122	Low	9.00	11.64	12.73	12.88	13.04	-	-
				Mid	9.69	12.37	13.41	13.24	-	13.73	17.67
				High	9.65	12.29	13.35	13.43	13.42	-	-
		5690	138	Low	8.83	11.29	12.55	12.61	12.75	-	-
				Mid	9.67	12.12	13.29	13.00	-	13.63	17.55
				High	9.79	12.22	13.38	13.45	13.37	-	-
	UNII 3	5775	155	Low	9.35	11.71	12.94	13.08	13.17	-	-
				Mid	9.83	12.22	13.38	13.32	-	13.29	12.78
				High	9.86	12.23	13.37	13.44	13.41	-	-
	UNII 4	5855	171	Low	9.52	12.50	13.58	13.70	13.86	-	-
				Mid	10.01	12.93	13.99	13.94	-	13.89	13.93
				High	10.03	12.92	14.03	14.05	13.98	-	-
Max EIRP Power (dBm)	UNII 4	5855	171	Low	6.00	8.98	10.06	10.18	10.34	-	-
				Mid	6.49	9.41	10.47	10.42	-	10.37	10.41
				High	6.51	9.40	10.51	10.53	10.46	-	-

HE160_80L		Frequency [MHz]	Channel No.	RU Index	SUM Power (dBm)						
					26 T	52 T	106 T	242 T	484 T	996 T	SU
Max Output Power (dBm)	UNII 1&2A	5250	50	Low	9.73	12.32	12.87	12.97	13.03	-	-
				Mid	10.14	12.77	13.26	13.18	-	13.10	-
				High	10.24	12.79	13.30	13.33	13.27	-	-
	UNII 2C	5570	114	Low	9.87	10.50	10.50	10.67	10.79	-	-
				Mid	10.61	11.27	11.21	11.01	-	11.36	-
				High	10.84	11.53	11.37	11.38	11.26	-	-
	UNII 3&4	5815	163	Low	9.20	12.23	13.29	13.44	13.51	-	-
				Mid	9.74	12.81	13.77	13.70	-	13.62	-
				High	9.95	12.98	13.87	13.87	13.80	-	-
Max EIRP Power (dBm)	UNII 3&4	5815	163	Low	5.68	8.71	9.77	9.92	9.99	-	-
				Mid	6.22	9.29	10.25	10.18	-	10.10	-
				High	6.43	9.46	10.35	10.35	10.28	-	-

HE160_80U		Frequency [MHz]	Channel No.	RU Index	SUM Power (dBm)						
					26 T	52 T	106 T	242 T	484 T	996 T	SU
Max Output Power (dBm)	UNII 1&2A	5250	50	Low	10.19	12.75	13.27	13.24	13.17	-	-
				Mid	10.20	12.76	13.25	13.23	-	13.08	-
				High	9.97	12.60	13.06	13.16	13.14	-	-
	UNII 2C	5570	114	Low	10.42	10.85	10.81	10.90	10.92	-	-
				Mid	10.81	11.35	11.25	11.12	-	11.16	-
				High	10.75	11.24	11.26	11.26	11.25	-	-
	UNII 3&4	5815	163	Low	9.96	13.00	13.85	13.90	13.87	-	-
				Mid	10.01	13.02	13.85	13.93	-	13.76	-
				High	9.90	12.94	13.79	13.82	13.78	-	-
Max EIRP Power (dBm)	UNII 3&4	5815	163	Low	6.44	9.48	10.33	10.38	10.35	-	-
				Mid	6.49	9.50	10.33	10.41	-	10.24	-
				High	6.38	9.42	10.27	10.30	10.26	-	-

HE160_SU		Frequency [MHz]	Channel No.	SUM Power (dBm)
				SU
Max Output Power (dBm)	UNII 1&2A	5250	50	16.93
	UNII 2C	5570	114	16.90
	UNII 3&4	5815	163	13.76
Max EIRP Power (dBm)	UNII 3&4	5815	163	10.24

#Note : EIRP = Conducted Power(Sum) + Ant Gain(Directional Gain)

Limit

(UNII 1) : 23.98 dBm

(UNII 2A, 2C) : 23.98 dBm or 11 dBm + 10 log B, (where B is the 26 dB emission bandwidth in megahertz.)

(UNII 3) : 30.00 dBm

(UNII 4) : EIRP 30.0 dBm/MHz

(UNII 3&4) : Worst limit 30.00 dBm ➔UNII 4 Band Antenna Gain Negative

10.5 POWER SPECTRAL DENSITY

10.5.1 Ant 1

HE20		Frequency [MHz]	Channel No.	RU Index	Max. Power Spectral Density (dBm)				
					26 T	52 T	106 T	242 T	SU
Max Output PSD (dBm)	UNII 1	5180	36	Low	4.510	4.279	2.585	-	-
				Mid	3.811	4.190	-	5.522	5.400
				High	4.803	4.338	3.006	-	-
		5200	40	Low	4.564	4.127	2.708	-	-
				Mid	3.722	4.140	-	5.289	5.527
				High	4.799	4.340	2.699	-	-
		5240	48	Low	5.041	4.412	2.792	-	-
				Mid	4.021	4.456	-	5.888	-2.368
				High	5.164	4.586	2.934	-	-
	UNII 2A	5260	52	Low	5.285	5.024	3.335	-	-
				Mid	4.249	4.844	-	5.974	5.858
				High	5.179	4.781	3.457	-	-
		5280	56	Low	5.304	4.700	3.327	-	-
				Mid	4.030	4.802	-	5.915	5.853
				High	5.113	4.689	3.284	-	-
		5320	64	Low	5.039	4.854	3.528	-	-
				Mid	4.239	4.768	-	5.769	5.881
				High	5.182	4.860	3.434	-	-
	UNII 2C	5500	100	Low	4.761	4.497	3.040	-	-
				Mid	3.698	4.454	-	5.610	5.668
				High	5.076	4.537	3.261	-	-
		5580	116	Low	4.540	4.593	3.312	-	-
				Mid	3.648	4.713	-	5.455	5.453
				High	4.832	4.596	3.346	-	-
		5720	144	Low	5.198	5.559	4.002	-	-
				Mid	4.485	5.572	-	6.321	6.480
				High	5.424	5.666	4.187	-	-
	UNII 3	5745	149	Low	2.422	1.842	0.350	-	-
				Mid	2.037	2.017	-	2.841	3.022
				High	2.421	1.793	0.742	-	-
		5785	157	Low	2.459	2.362	0.939	-	-
				Mid	2.362	2.386	-	3.194	3.212
				High	2.455	2.222	0.984	-	-

HE20		Frequency [MHz]	Channel No.	RU Index	Max. Power Spectral Density (dBm)				
					26 T	52 T	106 T	242 T	SU
		5825	165	Low	1.808	1.891	0.457	-	-
				Mid	1.762	1.697	-	2.731	2.539
				High	2.128	1.773	0.360	-	-
	UNII 4	5845	169	Low	3.726	3.902	2.065	-	-
				Mid	2.598	3.866	-	-1.535	-1.370
				High	3.519	3.843	1.970	-	-
		5865	173	Low	3.422	3.525	1.633	-	-
				Mid	2.293	3.473	-	-1.682	-1.662
				High	3.327	3.786	1.789	-	-
		5885	177	Low	4.488	4.205	2.006	-	-
				Mid	3.499	4.486	-	-1.551	-1.469
				High	4.446	4.254	1.925	-	-

HE40		Frequency [MHz]	Channel No.	RU Index	Max. Power Spectral Density (dBm)					
					26 T	52 T	106 T	242 T	484 T	SU
Max Output PSD (dBm)	UNII 1	5190	38	Low	4.359	4.006	2.494	3.622	-	-
				Mid	4.834	4.590	2.648	-	0.722	1.871
				High	4.817	4.333	2.668	3.784	-	-
		5230	46	Low	4.404	4.212	2.683	3.801	-	-
				Mid	5.223	4.635	2.818	-	0.968	-0.755
				High	5.012	4.647	2.905	3.999	-	-
	UNII 2A	5270	54	Low	4.718	4.649	3.129	4.264	-	-
				Mid	5.242	4.868	3.280	-	1.360	2.078
				High	5.016	4.612	3.409	4.296	-	-
		5310	62	Low	4.977	4.496	3.321	4.073	-	-
				Mid	5.426	4.942	3.677	-	1.251	2.391
				High	5.236	4.889	3.734	4.227	-	-
	UNII 2C	5510	102	Low	4.281	4.040	2.812	3.759	-	-
				Mid	4.690	4.560	3.032	-	1.070	1.842
				High	4.644	4.406	3.144	4.210	-	-
		5550	110	Low	4.414	4.206	3.021	3.650	-	-
				Mid	4.923	4.774	3.392	-	0.815	1.798
				High	4.908	4.702	3.334	3.927	-	-
		5710	142	Low	4.910	5.237	3.680	4.359	-	-
				Mid	5.380	5.977	4.164	-	1.508	2.394
				High	5.435	5.553	4.032	4.427	-	-
	UNII 3	5755	151	Low	1.840	1.287	0.291	0.929	-	-
				Mid	2.568	1.800	0.547	-	-1.886	-1.159
				High	2.471	1.941	0.459	0.898	-	-
		5795	159	Low	1.969	1.852	0.499	1.097	-	-
				Mid	2.416	2.295	0.565	-	-1.754	-0.815
				High	2.132	1.935	0.549	1.058	-	-
	UNII 4	5835	167	Low	3.131	4.078	2.026	-1.379	-	-
				Mid	3.833	4.399	2.304	-	-4.419	-4.351
				High	3.366	4.253	1.959	-1.366	-	-
		5875	175	Low	2.832	3.950	0.968	-3.006	-	-
				Mid	3.369	4.227	1.425	-	-5.683	-5.722
				High	3.247	4.241	1.082	-2.751	-	-

HE80		Frequency [MHz]	Channel No.	RU Index	Max. Power Spectral Density (dBm)						
					26 T	52 T	106 T	242 T	484 T	996 T	SU
Max Output PSD (dBm)	UNII 1	5210	42	Low	4.494	4.296	2.242	3.483	0.632	-	-
				Mid	3.812	4.502	2.959	3.789	-	-2.142	-2.070
				High	5.151	4.707	2.861	3.795	0.812	-	-
	UNII 2A	5290	58	Low	4.403	4.210	2.767	3.767	1.109	-	-
				Mid	4.451	4.888	3.208	4.058	-	-1.803	-1.743
				High	5.172	4.831	3.482	4.211	1.199	-	-
	UNII 2C	5530	106	Low	4.225	3.883	2.569	3.666	0.714	-	-
				Mid	3.689	4.352	3.140	3.690	-	-2.208	-2.119
				High	4.632	4.389	2.932	3.742	0.837	-	-
		5610	122	Low	4.039	3.962	2.448	2.712	0.359	-	-
				Mid	3.487	4.599	3.195	3.239	-	-2.324	-2.445
				High	4.673	4.815	3.278	3.452	0.869	-	-
		5690	138	Low	4.006	4.448	3.246	3.339	0.839	-	-
				Mid	4.082	5.554	3.982	4.077	-	-1.704	-1.589
				High	5.377	5.535	4.091	4.227	1.469	-	-
	UNII 3	5775	155	Low	1.572	1.215	0.152	0.988	-2.028	-	-
				Mid	2.104	2.132	0.652	0.997	-	-4.792	-4.883
				High	2.165	2.022	0.817	1.009	-1.652	-	-
	UNII 4	5855	171	Low	3.005	3.966	1.343	-1.681	-4.818	-	-
				Mid	2.157	4.407	1.737	-1.447	-	-7.647	-7.739
				High	3.436	4.243	1.808	-1.274	-4.525	-	-

HE160_80L		Frequency [MHz]	Channel No.	RU Index	Max. Power Spectral Density (dBm)						
					26 T	52 T	106 T	242 T	484 T	996 T	SU
Max Output PSD (dBm)	UNII 1&2A	5250	50	Low	2.354	2.444	-0.316	-3.595	-6.232	-	-
				Mid	2.138	3.052	0.239	-3.462	-	-9.229	-
				High	3.264	3.045	0.504	-3.162	-6.015	-	-
	UNII 2C	5570	114	Low	3.146	1.525	-1.443	-4.516	-7.268	-	-
				Mid	3.213	2.455	-0.324	-4.162	-	-9.825	-
				High	4.593	3.038	-0.039	-3.548	-6.720	-	-
	UNII 3&4	5815	163	Low	3.003	3.423	1.358	-1.886	-4.719	-	-
				Mid	2.641	3.852	2.049	-1.699	-	-7.444	-
				High	3.802	4.124	1.997	-1.331	-4.402	-	-

HE160_80U		Frequency [MHz]	Channel No.	RU Index	Max. Power Spectral Density (dBm)						
					26 T	52 T	106 T	242 T	484 T	996 T	SU
Max Output PSD (dBm)	UNII 1&2A	5250	50	Low	3.203	3.074	0.361	-2.940	-6.038	-	-
				Mid	1.995	3.046	0.458	-3.059	-	-9.147	-
				High	3.097	2.985	0.516	-2.986	-5.927	-	-
	UNII 2C	5570	114	Low	4.612	2.207	-0.857	-4.227	-7.062	-	-
				Mid	3.999	2.635	-0.352	-3.939	-	-9.894	-
				High	5.067	2.848	-0.262	-3.656	-6.858	-	-
	UNII 3&4	5815	163	Low	3.835	4.082	1.995	-1.338	-4.267	-	-
				Mid	2.591	4.145	1.942	-1.196	-	-7.381	-
				High	3.036	3.699	1.735	-1.667	-4.558	-	-

HE160_SU		Frequency [MHz]	Channel No.	Max. Power Spectral Density (dBm)
				SU
Max Output PSD (dBm)	UNII 1&2A	5250	50	-5.313
	UNII 2C	5570	114	-4.396
	UNII 3&4	5815	163	-7.669

Limit(UNII 1, 2A, 2C) : 11.0 dBm/MHz

Limit(UNII 3) : 30.0 dBm/500 kHz

Limit(UNII 4) : (EIRP) 14 dBm/MHz

10.5.2 Ant 2

HE20		Frequency [MHz]	Channel No.	RU Index	Max. Power Spectral Density (dBm)				
					26 T	52 T	106 T	242 T	SU
Max Output PSD (dBm)	UNII 1	5180	36	Low	6.045	5.683	4.540	-	-
				Mid	4.943	5.680	-	6.790	6.961
				High	6.056	5.672	4.479	-	-
		5200	40	Low	6.202	5.680	4.605	-	-
				Mid	5.186	5.799	-	6.675	6.645
				High	6.077	5.656	4.492	-	-
		5240	48	Low	6.407	6.103	4.740	-	-
				Mid	5.295	6.125	-	7.197	-1.160
				High	6.249	5.841	4.440	-	-
	UNII 2A	5260	52	Low	6.034	5.726	4.099	-	-
				Mid	4.745	5.720	-	6.746	6.709
				High	5.734	5.534	3.948	-	-
		5280	56	Low	5.808	5.736	3.997	-	-
				Mid	5.242	5.666	-	6.667	6.579
				High	5.753	5.525	4.241	-	-
		5320	64	Low	5.884	5.769	3.969	-	-
				Mid	4.677	5.663	-	6.807	6.822
				High	5.765	5.793	4.018	-	-
	UNII 2C	5500	100	Low	5.601	5.309	3.747	-	-
				Mid	4.552	5.530	-	6.340	6.278
				High	5.755	5.172	3.918	-	-
		5580	116	Low	5.222	4.890	3.333	-	-
				Mid	4.398	5.252	-	6.116	6.176
				High	5.396	5.142	3.511	-	-
		5720	144	Low	6.627	6.161	4.901	-	-
				Mid	5.547	6.204	-	7.079	6.980
				High	6.576	6.089	5.026	-	-
	UNII 3	5745	149	Low	3.492	3.108	1.371	-	-
				Mid	3.415	3.176	-	4.004	3.798
				High	3.681	3.205	1.521	-	-
		5785	157	Low	3.093	2.635	1.081	-	-
				Mid	3.079	2.787	-	3.419	3.483
				High	3.189	2.708	1.055	-	-

HE20		Frequency [MHz]	Channel No.	RU Index	Max. Power Spectral Density (dBm)				
					26 T	52 T	106 T	242 T	SU
		5825	165	Low	3.258	2.483	1.419	-	-
				Mid	2.794	2.532	-	3.521	3.346
				High	3.099	2.545	1.535	-	-
	UNII 4	5845	169	Low	4.459	4.489	2.895	-	-
				Mid	3.374	4.716	-	-0.723	-0.581
				High	4.309	4.503	2.670	-	-
		5865	173	Low	4.110	4.312	2.455	-	-
				Mid	3.311	4.362	-	-0.824	-1.010
				High	4.232	4.465	2.569	-	-
		5885	177	Low	4.963	4.564	2.628	-	-
				Mid	4.038	4.654	-	-0.839	-0.848
				High	5.343	4.748	2.622	-	-

HE40		Frequency [MHz]	Channel No.	RUIndex	Max. Power Spectral Density (dBm)					
					26 T	52 T	106 T	242 T	484 T	SU
Max Output PSD (dBm)	UNII 1	5190	38	Low	5.589	5.616	4.440	5.014	-	-
				Mid	5.936	5.818	4.764	-	2.042	2.970
				High	5.690	5.657	4.462	4.931	-	-
		5230	46	Low	5.837	5.929	4.471	5.356	-	-
				Mid	6.215	6.029	4.646	-	2.313	0.401
				High	5.715	5.740	4.409	5.119	-	-
	UNII 2A	5270	54	Low	5.780	5.573	4.025	4.861	-	-
				Mid	5.749	5.510	4.150	-	2.027	2.815
				High	5.368	5.275	4.037	4.941	-	-
		5310	62	Low	5.410	5.702	4.240	5.002	-	-
				Mid	6.057	5.649	4.262	-	2.065	2.913
				High	5.457	5.582	4.076	5.010	-	-
	UNII 2C	5510	102	Low	5.205	5.128	3.655	4.273	-	-
				Mid	5.644	5.488	3.943	-	1.339	2.408
				High	5.416	5.182	3.824	4.259	-	-
		5550	110	Low	4.901	4.894	3.379	4.038	-	-
				Mid	5.400	5.182	3.487	-	1.202	2.167
				High	5.111	5.103	3.444	4.182	-	-
		5710	142	Low	5.909	5.599	4.845	5.006	-	-
				Mid	6.541	6.158	4.877	-	2.334	3.162
				High	6.261	5.976	5.010	5.332	-	-
	UNII 3	5755	151	Low	2.993	2.834	1.228	1.955	-	-
				Mid	3.456	3.284	1.305	-	-0.641	0.132
				High	3.126	3.111	1.658	2.060	-	-
		5795	159	Low	2.351	2.328	0.872	1.724	-	-
				Mid	2.885	2.631	0.956	-	-1.246	-0.244
				High	2.384	2.445	0.931	1.870	-	-
	UNII 4	5835	167	Low	4.112	4.415	2.661	-0.777	-	-
				Mid	4.629	4.915	2.895	-	-3.581	-3.519
				High	4.083	4.640	2.813	-0.779	-	-
		5875	175	Low	3.807	4.375	1.713	-1.934	-	-
				Mid	4.661	4.582	2.155	-	-4.803	-4.737
				High	4.264	4.481	1.970	-1.855	-	-

HE80		Frequency [MHz]	Channel No.	RU Index	Max. Power Spectral Density (dBm)						
					26 T	52 T	106 T	242 T	484 T	996 T	SU
Max Output PSD (dBm)	UNII 1	5210	42	Low	5.712	5.901	4.281	4.866	2.105	-	-
				Mid	5.029	5.924	4.285	5.117	-	-0.943	-1.041
				High	5.665	5.502	4.162	4.858	2.091	-	-
	UNII 2A	5290	58	Low	5.774	5.589	4.019	4.791	1.721	-	-
				Mid	4.763	5.666	3.898	4.732	-	-1.369	-1.367
				High	5.422	5.354	3.664	4.343	1.755	-	-
	UNII 2C	5530	106	Low	5.366	4.789	3.483	4.040	1.149	-	-
				Mid	4.495	5.102	3.805	4.090	-	-1.844	-1.630
				High	5.267	4.832	3.545	3.835	1.206	-	-
		5610	122	Low	4.803	4.749	2.791	3.632	0.984	-	-
				Mid	4.014	4.992	3.230	3.755	-	-2.066	-1.852
				High	5.025	5.025	3.138	3.928	1.074	-	-
		5690	138	Low	5.112	5.184	3.999	4.257	1.665	-	-
				Mid	4.786	6.068	4.556	4.712	-	-1.076	-1.375
				High	6.200	5.852	4.798	5.025	2.197	-	-
	UNII 3	5775	155	Low	2.029	1.847	0.210	0.681	-1.602	-	-
				Mid	2.078	2.377	0.687	1.201	-	-4.530	-4.635
				High	2.778	2.377	0.749	1.340	-1.504	-	-
	UNII 4	5855	171	Low	3.827	4.197	2.084	-1.243	-4.082	-	-
				Mid	3.257	4.478	2.572	-1.166	-	-6.708	-6.911
				High	4.598	4.684	2.498	-0.844	-3.765	-	-

HE160_80L		Frequency [MHz]	Channel No.	RU Index	Max. Power Spectral Density (dBm)						
					26 T	52 T	106 T	242 T	484 T	996 T	SU
Max Output PSD (dBm)	UNII 1&2A	5250	50	Low	4.096	4.468	1.516	-1.696	-4.632	-	-
				Mid	3.315	4.374	1.799	-1.746	-	-7.660	-
				High	3.956	4.073	1.456	-1.870	-4.703	-	-
	UNII 2C	5570	114	Low	4.275	2.408	-0.472	-3.826	-6.673	-	-
				Mid	3.688	2.948	-0.056	-3.579	-	-9.611	-
				High	4.991	3.285	0.072	-3.436	-6.394	-	-
	UNII 3&4	5815	163	Low	3.731	3.807	2.216	-1.543	-4.523	-	-
				Mid	2.808	4.222	2.352	-1.434	-	-7.475	-
				High	4.101	4.677	2.502	-1.013	-4.022	-	-

HE160_80U		Frequency [MHz]	Channel No.	RU Index	Max. Power Spectral Density (dBm)						
					26 T	52 T	106 T	242 T	484 T	996 T	SU
Max Output PSD (dBm)	UNII 1&2A	5250	50	Low	3.953	4.053	1.553	-2.169	-5.152	-	-
				Mid	2.374	3.726	0.957	-2.400	-	-8.487	-
				High	3.279	3.456	0.719	-2.770	-5.681	-	-
	UNII 2C	5570	114	Low	4.330	2.205	-0.694	-4.129	-7.038	-	-
				Mid	3.591	2.570	-0.442	-3.958	-	-10.121	-
				High	4.446	2.308	-0.687	-4.074	-6.982	-	-
	UNII 3&4	5815	163	Low	4.276	4.430	2.309	-1.044	-3.828	-	-
				Mid	3.504	4.443	2.544	-1.142	-	-7.170	-
				High	4.354	4.187	2.300	-1.090	-4.183	-	-

HE160_SU		Frequency [MHz]	Channel No.	Max. Power Spectral Density (dBm)
				SU
Max Output PSD (dBm)	UNII 1&2A	5250	50	-4.418
	UNII 2C	5570	114	-4.772
	UNII 3&4	5815	163	-7.429

Limit(UNII 1, 2A, 2C) : 11.0 dBm/MHz

Limit(UNII 3) : 30.0 dBm/500 kHz

Limit(UNII 4) : (EIRP) 14 dBm/MHz

10.5.3 SUM (Ant 1 + Ant 2)

HE20		Frequency [MHz]	Channel No.	RU Index	Max. Power Spectral Density (dBm)				
					26 T	52 T	106 T	242 T	SU
Max Output PSD (dBm)	UNII 1	5180	36	Low	8.355	8.048	6.682	-	-
				Mid	7.424	8.009	-	9.213	9.260
				High	8.484	8.066	6.815	-	-
		5200	40	Low	8.470	7.983	6.770	-	-
				Mid	7.525	8.058	-	9.048	9.132
				High	8.495	8.058	6.698	-	-
		5240	48	Low	8.787	8.349	6.885	-	-
				Mid	7.714	8.380	-	9.602	1.287
				High	8.750	8.269	6.762	-	-
	UNII 2A	5260	52	Low	8.685	8.399	6.744	-	-
				Mid	7.514	8.314	-	9.388	9.314
				High	8.475	8.184	6.720	-	-
		5280	56	Low	8.573	8.259	6.685	-	-
				Mid	7.688	8.266	-	9.318	9.241
				High	8.455	8.137	6.799	-	-
		5320	64	Low	8.492	8.346	6.764	-	-
				Mid	7.473	8.249	-	9.329	9.387
				High	8.493	8.362	6.746	-	-
	UNII 2C	5500	100	Low	8.211	7.932	6.418	-	-
				Mid	7.156	8.035	-	9.001	8.994
				High	8.439	7.876	6.612	-	-
		5580	116	Low	7.904	7.754	6.333	-	-
				Mid	7.049	8.001	-	8.809	8.839
				High	8.133	7.888	6.440	-	-
		5720	144	Low	8.981	8.881	7.485	-	-
				Mid	8.058	8.910	-	9.727	9.747
				High	9.048	8.893	7.637	-	-
	UNII 3	5745	149	Low	6.000	5.531	3.901	-	-
				Mid	5.790	5.645	-	6.472	6.437
				High	6.106	5.566	4.159	-	-
		5785	157	Low	5.797	5.511	4.021	-	-
				Mid	5.745	5.601	-	6.318	6.359
				High	5.847	5.482	4.030	-	-

HE20		Frequency [MHz]	Channel No.	RU Index	Max. Power Spectral Density (dBm)				
					26 T	52 T	106 T	242 T	SU
		5825	165	Low	5.603	5.207	3.975	-	-
				Mid	5.318	5.145	-	6.154	5.971
				High	5.650	5.186	3.997	-	-
	UNII 4	5845	169	Low	7.118	7.216	5.510	-	-
				Mid	6.013	7.322	-	1.900	2.052
				High	6.942	7.196	5.344	-	-
		5865	173	Low	6.789	6.946	5.074	-	-
				Mid	5.842	6.950	-	1.779	1.686
				High	6.813	7.149	5.207	-	-
		5885	177	Low	7.742	7.398	5.338	-	-
				Mid	6.787	7.581	-	1.830	1.862
				High	7.927	7.518	5.298	-	-
Max EIRP PSD (dBm)	UNII 4	5845	169	Low	3.598	3.696	1.990	-	-
				Mid	2.493	3.802	-	-1.620	-1.468
				High	3.422	3.676	1.824	-	-
		5865	173	Low	3.269	3.426	1.554	-	-
				Mid	2.322	3.430	-	-1.741	-1.834
				High	3.293	3.629	1.687	-	-
		5885	177	Low	4.222	3.878	1.818	-	-
				Mid	3.267	4.061	-	-1.690	-1.658
				High	4.407	3.998	1.778	-	-

HE40		Frequency [MHz]	Channel No.	RU Index	Max. Power Spectral Density (dBm)					
					26 T	52 T	106 T	242 T	484 T	SU
Max Output PSD (dBm)	UNII 1	5190	38	Low	8.028	7.896	6.585	7.384	-	-
				Mid	8.431	8.258	6.844	-	4.442	5.466
				High	8.286	8.056	6.667	7.406	-	-
		5230	46	Low	8.190	8.165	6.679	7.658	-	-
				Mid	8.758	8.398	6.838	-	4.703	2.873
				High	8.388	8.238	6.732	7.605	-	-
	UNII 2A	5270	54	Low	8.292	8.146	6.610	7.583	-	-
				Mid	8.514	8.212	6.747	-	4.717	5.473
				High	8.206	7.967	6.745	7.641	-	-
		5310	62	Low	8.210	8.151	6.815	7.573	-	-
				Mid	8.764	8.321	6.990	-	4.688	5.670
				High	8.359	8.260	6.919	7.647	-	-
	UNII 2C	5510	102	Low	7.778	7.629	6.264	7.034	-	-
				Mid	8.204	8.059	6.522	-	4.217	5.145
				High	8.058	7.822	6.508	7.245	-	-
		5550	110	Low	7.675	7.574	6.214	6.859	-	-
				Mid	8.179	7.993	6.450	-	4.023	4.997
				High	8.021	7.918	6.400	7.067	-	-
		5710	142	Low	8.449	8.432	7.312	7.705	-	-
				Mid	9.010	9.079	7.545	-	4.951	5.805
				High	8.878	8.780	7.559	7.913	-	-
	UNII 3	5755	151	Low	5.465	5.140	3.795	4.483	-	-
				Mid	6.045	5.616	3.953	-	1.791	2.545
				High	5.821	5.576	4.110	4.528	-	-
		5795	159	Low	5.175	5.107	3.700	4.432	-	-
				Mid	5.667	5.477	3.775	-	1.518	2.490
				High	5.270	5.208	3.755	4.493	-	-
	UNII 4	5835	167	Low	6.660	7.260	5.365	1.943	-	-
				Mid	7.260	7.677	5.620	-	-0.969	-0.905
				High	6.750	7.461	5.417	1.948	-	-
		5875	175	Low	6.357	7.178	4.367	0.573	-	-
				Mid	7.074	7.419	4.816	-	-2.210	-2.191
				High	6.796	7.373	4.559	0.731	-	-
Max EIRP PSD (dBm)	UNII 4	5835	167	Low	3.140	3.740	1.845	-1.577	-	-
				Mid	3.740	4.157	2.100	-	-4.489	-4.425

				High	3.230	3.941	1.897	-1.572	-	-
		5875	175	Low	2.837	3.658	0.847	-2.947	-	-
				Mid	3.554	3.899	1.296	-	-5.730	-5.711
				High	3.276	3.853	1.039	-2.789	-	-

HE80		Frequency [MHz]	Channel No.	RU Index	Max. Power Spectral Density (dBm)						
					26 T	52 T	106 T	242 T	484 T	996 T	SU
Max Output PSD (dBm)	UNII 1	5210	42	Low	8.155	8.182	6.390	7.239	4.441	-	-
				Mid	7.473	8.281	6.683	7.513	-	1.509	1.485
				High	8.425	8.133	6.570	7.369	4.508	-	-
	UNII 2A	5290	58	Low	8.152	7.964	6.448	7.319	4.436	-	-
				Mid	7.620	8.304	6.577	7.418	-	1.430	1.460
				High	8.309	8.110	6.584	7.287	4.496	-	-
	UNII 2C	5530	106	Low	7.843	7.369	6.060	6.867	3.947	-	-
				Mid	7.121	7.753	6.496	6.904	-	0.988	1.143
				High	7.971	7.626	6.260	6.799	4.035	-	-
		5610	122	Low	7.448	7.383	5.633	6.206	3.693	-	-
				Mid	6.768	7.810	6.223	6.515	-	0.817	0.872
				High	7.862	7.931	6.219	6.706	3.983	-	-
		5690	138	Low	7.604	7.841	6.649	6.832	4.282	-	-
				Mid	7.458	8.829	7.289	7.416	-	1.632	1.530
				High	8.818	8.706	7.469	7.654	4.858	-	-
	UNII 3	5775	155	Low	4.816	4.552	3.191	3.847	1.200	-	-
				Mid	5.101	5.266	3.680	4.110	-	-1.649	-1.747
				High	5.492	5.213	3.793	4.187	1.433	-	-
	UNII 4	5855	171	Low	6.445	7.093	4.740	1.553	-1.425	-	-
				Mid	5.752	7.453	5.185	1.706	-	-4.142	-4.295
				High	7.066	7.479	5.177	1.956	-1.119	-	-
Max EIRP PSD (dBm)	UNII 4	5855	171	Low	2.925	3.573	1.220	-1.967	-4.945	-	-
				Mid	2.232	3.933	1.665	-1.814	-	-7.662	-7.815
				High	3.546	3.959	1.657	-1.564	-4.639	-	-

HE160_80L		Frequency [MHz]	Channel No.	RU Index	Max. Power Spectral Density (dBm)						
					26 T	52 T	106 T	242 T	484 T	996 T	SU
Max Output PSD (dBm)	UNII 1&2A	5250	50	Low	6.322	6.583	3.706	0.468	-2.348	-	-
				Mid	5.777	6.773	4.099	0.491	-	-5.364	-
				High	6.634	6.600	4.016	0.542	-2.299	-	-
	UNII 2C	5570	114	Low	6.757	4.999	2.080	-1.147	-3.950	-	-
				Mid	6.467	5.719	2.822	-0.850	-	-6.706	-
				High	7.807	6.174	3.027	-0.481	-3.544	-	-
	UNII 3&4	5815	163	Low	6.393	6.630	4.818	1.299	-1.610	-	-
				Mid	5.736	7.051	5.213	1.446	-	-4.449	-
				High	6.964	7.420	5.267	1.841	-1.198	-	-
Max EIRP PSD (dBm)	UNII 3&4	5815	163	Low	2.873	3.110	1.298	-2.221	-5.130	-	-
				Mid	2.216	3.531	1.693	-2.074	-	-7.969	-
				High	3.444	3.900	1.747	-1.679	-4.718	-	-

HE160_80U		Frequency [MHz]	Channel No.	RU Index	Max. Power Spectral Density (dBm)						
					26 T	52 T	106 T	242 T	484 T	996 T	SU
Max Output PSD (dBm)	UNII 1&2A	5250	50	Low	6.604	6.601	4.008	0.473	-2.562	-	-
				Mid	5.199	6.410	3.725	0.293	-	-5.794	-
				High	6.199	6.237	3.629	0.134	-2.792	-	-
	UNII 2C	5570	114	Low	7.484	5.216	2.236	-1.167	-4.040	-	-
				Mid	6.810	5.613	2.614	-0.938	-	-6.996	-
				High	7.778	5.597	2.541	-0.850	-3.909	-	-
	UNII 3&4	5815	163	Low	7.071	7.270	5.165	1.822	-1.032	-	-
				Mid	6.082	7.307	5.264	1.841	-	-4.264	-
				High	6.755	6.960	5.037	1.641	-1.356	-	-
Max EIRP PSD (dBm)	UNII 3&4	5815	163	Low	3.551	3.750	1.645	-1.698	-4.552	-	-
				Mid	2.562	3.787	1.744	-1.679	-	-7.784	-
				High	3.235	3.440	1.517	-1.879	-4.876	-	-

HE160_SU		Frequency [MHz]	Channel No.	Max. Power Spectral Density (dBm)
				SU
Max Output PSD (dBm)	UNII 1&2A	5250	50	-1.832
	UNII 2C	5570	114	-1.570
	UNII 3&4	5815	163	-4.537
Max EIRP PSD (dBm)	UNII 3&4	5815	163	-8.057

Limit(UNII 1, 2A, 2C) : 11.0 dBm/MHz

Limit(UNII 3) : 30.0 dBm/500 kHz

Limit(UNII 4) : (EIRP) 14 dBm/MHz

10.6 STRADDLE CHANNEL

10.6.1 26 dB Bandwidth

Test Note:

1. [UNII 2C] 26 dB Bandwidth = 5725 MHz - Measured Frequency[MHz]
2. [UNII 3] 26 dB Bandwidth = Measured Frequency[MHz] -5725 MHz
3. # : 26 dB bandwidth is only located in UNII 2C. Therefore 26 dB bandwidth do not overlap.

10.6.1.1 Ant1

802.11ax(HE20)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	26 dB BW (MHz)	
					UNII 2C	UNII 3
HE20	5720	144	26 T	0	16.12	4.40
				4	14.28	4.36
				7	14.24	4.48
				8	14.08	5.96
			52 T	37	16.04	4.80
				38	14.52	4.60
				39	14.40	4.60
				40	14.48	5.96
			106 T	53	16.00	5.04
				54	14.80	5.88
			242 T	61	16.12	6.28
			SU	-	16.40	6.32

802.11ax(HE40)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	26 dB BW (MHz)	
					UNII 2C	UNII 3
HE40	5710	142	26 T	# 0	-	-
				9	34.12	4.12
				16	34.12	4.52
				17	34.04	6.68
			52 T	# 37	-	-
				41	34.28	4.12
				43	34.36	4.12
				44	34.20	6.60
			106 T	# 53	-	-
				# 54	-	-
				55	34.52	4.84
				56	34.60	7.24
			242 T	# 61	-	-
				62	34.76	6.84
			484 T	65	37.08	7.96
			SU	-	37.24	7.56

802.11ax(HE80)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	26 dB BW (MHz)	
					UNII 2C	UNII 3
HE80	5690	138	26 T	# 0	-	-
				# 18	-	-
				35	74.20	6.12
				36	74.20	8.20
			52 T	# 37	-	-
				# 45	-	-
				51	74.36	5.32
				52	74.36	7.40
			106 T	# 53	-	-
				# 57	-	-
				59	74.84	4.84
				60	74.68	9.48
			242 T	# 61	-	-
				# 62	-	-
				63	75.32	6.28
				64	75.00	9.00
			484 T	# 65	-	-
				66	75.32	8.68
			996 T	67	79.80	10.12
			SU	-	79.64	9.32

10.6.1.2 Ant2

802.11ax(HE20)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	26 dB BW (MHz)	
					UNII 2C	UNII 3
HE20	5720	144	26 T	0	16.32	4.44
				4	14.08	4.20
				7	14.32	4.28
				8	14.32	5.88
			52 T	37	16.24	4.52
				38	14.52	4.72
				39	14.52	4.68
				40	14.52	6.16
			106 T	53	16.20	4.84
				54	14.88	5.88
			242 T	61	16.28	6.32
			SU	-	16.36	6.24

802.11ax(HE40)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	26 dB BW (MHz)	
					UNII 2C	UNII 3
HE40	5710	142	26 T	# 0	-	-
				9	34.04	4.04
				16	34.12	4.60
				17	34.04	6.76
			52 T	# 37	-	-
				41	34.20	4.12
				43	34.36	4.12
				44	34.36	6.52
			106 T	# 53	-	-
				# 54	-	-
				55	34.68	4.76
				56	34.28	7.32
			242 T	# 61	-	-
				62	34.84	6.68
			484 T	65	36.92	7.48
			SU	-	37.32	7.24

802.11ax(HE80)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	26 dB BW (MHz)	
					UNII 2C	UNII 3
HE80	5690	138	26 T	# 0	-	-
				# 18	-	-
				35	73.88	5.96
				36	73.88	7.88
			52 T	# 37	-	-
				# 45	-	-
				51	74.52	4.84
				52	74.20	7.56
			106 T	# 53	-	-
				# 57	-	-
				59	74.52	5.32
				60	74.84	9.48
			242 T	# 61	-	-
				# 62	-	-
				63	75.00	5.80
				64	75.32	8.68
			484 T	# 65	-	-
				66	75.48	8.68
			996 T	67	79.64	10.44
			SU	-	80.44	9.64

10.6.2 6 dB Bandwidth

Test Note:

1. 6 dB Bandwidth = Measured Frequency[MHz] – 5725 MHz
2. # : 6 dB bandwidth is only located in UNII 2C. Therefore 6 dB bandwidth do not overlap.
3. Limit : > 0.5 MHz

10.6.2.1 Ant1

802.11ax(HE20)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	6 dB BW (MHz)
					UNII 3
HE20	5720	144	26 T	# 0	-
				# 4	-
				7	2.52
				8	4.56
			52 T	# 37	-
				# 38	-
				39	2.56
				40	4.52
			106 T	# 53	-
				54	4.60
			242 T	61	4.56
			SU	-	4.52

802.11ax(HE40)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	6 dB BW (MHz)
					UNII 3
HE40	5710	142	26 T	# 0	-
				# 9	-
				16	2.04
				17	4.12
			52 T	# 37	-
				# 41	-
				# 43	-0.12
				44	4.12
			106 T	# 53	-
				# 54	-
				# 55	1.32
				56	4.04
			242 T	# 61	-
				62	4.20
			484 T	65	4.12
			SU	-	4.12

802.11ax(HE80)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	6 dB BW (MHz)
					UNII 3
HE80	5690	138	26 T	# 0	-
				# 18	-
				35	2.12
				36	4.20
			52 T	# 37	-
				# 45	-
				# 51	-0.12
				52	4.20
			106 T	# 53	-
				# 57	-
				# 59	-6.20
				60	4.20
			242 T	# 61	-
				# 62	-
				# 63	2.60
				64	4.36
			484 T	# 65	-
				66	4.20
			996 T	67	4.20
			SU	-	4.36

10.6.2.2 Ant2

802.11ax(HE20)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	6 dB BW (MHz)
					UNII 3
HE20	5720	144	26 T	# 0	-
				# 4	-
				7	2.52
				8	4.52
			52 T	# 37	-
				# 38	-
				39	1.32
				40	4.52
			106 T	# 53	-
				54	4.60
			242 T	61	4.52
			SU	-	4.52

802.11ax(HE40)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	6 dB BW (MHz)
					UNII 3
HE40	5710	142	26 T	# 0	-
				# 9	-
				16	2.04
				17	4.12
			52 T	# 37	-
				# 41	-
				# 43	-0.12
				44	4.04
			106 T	# 53	-
				# 54	-
				# 55	2.60
				56	4.04
			242 T	# 61	-
				62	4.20
			484 T	65	4.12
			SU	-	4.12

802.11ax(HE80)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	6 dB BW (MHz)
					UNII 3
HE80	5690	138	26 T	# 0	-
				# 18	-
				35	2.12
				36	4.20
			52 T	# 37	-
				# 45	-
				# 51	-0.12
				52	4.20
			106 T	# 53	-
				# 57	-
				# 59	-6.20
				60	4.20
			242 T	# 61	-
				# 62	-
				# 63	0.20
				64	4.20
			484 T	# 65	-
				66	4.20
			996 T	67	4.20
			SU	-	4.20

10.6.3 Output Power

Test Note:

1. # : 26 dB bandwidth is only located in UNII 2C. Therefore 26 dB bandwidth do not overlap.
2. Limit(2C) : 23.98 dBm or 11 dBm + 10 log B, (where B is the 26 dB emission bandwidth in megahertz.)
3. Limit(UNII 3) : 30.00 dBm
3. Limit(UNII 4) : EIRP 30.00 dBm

10.6.3.1 Ant1

802.11ax(HE20)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	Total Power (dBm)	
					UNII 2C	UNII 3
HE20	5720	144	26 T	0	7.05	-21.25
				4	7.18	-20.68
				7	-9.09	7.25
				8	-14.63	7.26
			52 T	37	9.11	-18.10
				38	9.21	-18.35
				39	8.81	-0.72
				40	-8.73	9.23
			106 T	53	10.56	-17.16
				54	7.23	8.05
			242 T	61	11.19	6.28
			SU	-	14.94	10.00

802.11ax(HE40)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	Total Power (dBm)	
					UNII 2C	UNII 3
HE40	5710	142	26 T	# 0	-	-
				9	6.86	-24.35
				16	-2.91	6.33
				17	-14.96	6.56
			52 T	# 37	-	-
				41	8.75	-23.41
				43	8.60	-7.87
				44	-3.76	8.35
			106 T	# 53	-	-
				# 54	-	-
				55	10.85	-20.86
				56	7.98	7.48
			242 T	# 61	-	-
				62	9.76	3.95
			484 T	65	10.17	0.99
			SU	-	15.70	6.49

802.11ax(HE80)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	Total Power (dBm)	
					UNII 2C	UNII 3
HE80	5690	138	26 T	# 0	-	-
				# 18	-	-
				35	-2.88	6.39
				36	-14.84	6.79
			52 T	# 37	-	-
				# 45	-	-
				51	8.71	-7.51
				52	-3.64	8.86
			106 T	# 53	-	-
				# 57	-	-
				59	10.21	-22.65
				60	7.30	7.29
			242 T	# 61	-	-
				# 62	-	-
				63	10.06	-22.57
				64	9.17	3.74
			484 T	# 65	-	-
				66	9.69	0.77
			996 T	67	10.14	-1.76
			SU	-	13.78	1.91

10.6.3.2 Ant2

802.11ax(HE20)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	Total Power (dBm)	
					UNII 2C	UNII 3
HE20	5720	144	26 T	0	7.50	-21.30
				4	7.58	-20.16
				7	-8.01	7.63
				8	-14.19	7.61
			52 T	37	9.35	-18.12
				38	9.45	-19.45
				39	9.06	-0.65
				40	-8.15	9.41
			106 T	53	10.56	-19.28
				54	7.24	8.03
			242 T	61	11.53	6.59
			SU	-	15.42	10.47

802.11ax(HE40)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	Total Power (dBm)	
					UNII 2C	UNII 3
HE40	5710	142	26 T	# 0	-	-
				9	7.32	-23.28
				16	-2.48	6.75
				17	-13.99	7.09
			52 T	# 37	-	-
				41	9.31	-22.65
				43	9.21	-7.32
				44	-3.34	8.89
			106 T	# 53	-	-
				# 54	-	-
				55	10.75	-19.53
				56	7.90	7.40
			242 T	# 61	-	-
				62	9.71	3.90
			484 T	65	10.15	0.94
			SU	-	16.19	6.97

802.11ax(HE80)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	Total Power (dBm)	
					UNII 2C	UNII 3
HE80	5690	138	26 T	# 0	-	-
				# 18	-	-
				35	-1.04	6.66
				36	-14.73	7.00
			52 T	# 37	-	-
				# 45	-	-
				51	9.07	-7.14
				52	-3.32	9.25
			106 T	# 53	-	-
				# 57	-	-
				59	10.07	-23.18
				60	7.18	7.16
			242 T	# 61	-	-
				# 62	-	-
				63	10.00	-23.93
				64	9.03	3.66
			484 T	# 65	-	-
				66	9.59	0.70
			996 T	67	9.96	-1.97
			SU	-	14.06	2.10

10.6.4 Power Spectral Density

Test Note:

Limit(UNII 3) : 30.0 dBm/500 kHz

10.6.4.1 Ant1

802.11ax(HE20)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	PSD (dBm)	
					UNII 2C	UNII 3
HE20	5720	144	26 T	0	4.302	-20.429
				4	3.669	-24.619
				7	-4.961	1.959
				8	-17.972	1.863
			52 T	37	3.750	-21.031
				38	3.668	-19.564
				39	3.895	0.534
				40	-5.772	0.945
			106 T	53	2.103	-20.202
				54	2.191	-0.697
			242 T	61	0.377	-2.309
			SU	-	4.239	1.356

802.11ax(HE40)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	PSD (dBm)	
					UNII 2C	UNII 3
HE40	5710	142	26 T	# 0	-	-
				9	4.209	-27.036
				16	0.583	1.481
				17	-23.531	1.079
			52 T	# 37	-	-
				41	3.107	-25.903
				43	3.208	-11.001
				44	-0.053	0.125
			106 T	# 53	-	-
				# 54	-	-
				55	2.318	-25.916
				56	2.225	-0.857
			242 T	# 61	-	-
				62	-1.216	-4.427
			484 T	65	-4.204	-7.087
			SU	-	1.462	-1.635

802.11ax(HE80)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	PSD (dBm)	
					UNII 2C	UNII 3
HE80	5690	138	26 T	# 0	-	-
				# 18	-	-
				35	-0.092	0.740
				36	-25.302	0.961
			52 T	# 37	-	-
				# 45	-	-
				51	3.172	-12.401
				52	-1.456	0.312
			106 T	# 53	-	-
				# 57	-	-
				59	1.689	-31.338
				60	1.542	-1.560
			242 T	# 61	-	-
				# 62	-	-
				63	-2.103	-30.223
				64	-1.751	-4.931
			484 T	# 65	-	-
				66	-4.935	-7.842
			996 T	67	-7.314	-10.398
			SU	-	-3.685	-6.992

10.6.4.2 Ant2

802.11ax(HE20)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	PSD (dBm)	
					UNII 2C	UNII 3
HE20	5720	144	26 T	0	4.811	-20.730
				4	3.791	-23.469
				7	-3.301	2.502
				8	-19.917	2.433
			52 T	37	3.844	-22.734
				38	3.978	-20.713
				39	3.994	0.174
				40	-5.021	1.224
			106 T	53	2.068	-22.335
				54	2.360	-0.497
			242 T	61	0.735	-2.030
			SU	-	4.709	1.746

802.11ax(HE40)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	PSD (dBm)	
					UNII 2C	UNII 3
HE40	5710	142	26 T	# 0	-	-
				9	4.479	-26.250
				16	1.032	1.510
				17	-21.716	1.490
			52 T	# 37	-	-
				41	3.775	-23.766
				43	3.865	-10.579
				44	0.442	0.771
			106 T	# 53	-	-
				# 54	-	-
				55	2.268	-26.187
				56	2.095	-0.794
			242 T	# 61	-	-
				62	-1.104	-4.443
			484 T	65	-4.264	-7.484
			SU	-	1.820	-1.434

802.11ax(HE80)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	PSD (dBm)	
					UNII 2C	UNII 3
HE80	5690	138	26 T	# 0	-	-
				# 18	-	-
				35	0.105	0.985
				36	-24.779	1.165
			52 T	# 37	-	-
				# 45	-	-
				51	3.390	-11.985
				52	-0.842	0.469
			106 T	# 53	-	-
				# 57	-	-
				59	1.375	-31.122
				60	1.525	-1.568
			242 T	# 61	-	-
				# 62	-	-
				63	-1.940	-35.138
				64	-2.057	-5.193
			484 T	# 65	-	-
				66	-5.022	-7.932
			996 T	67	-7.620	-10.835
			SU	-	-3.524	-6.982

10.7 RADIATED SPURIOUS EMISSIONS (9 kHz – 1 GHz)

Frequency Range : 9 kHz – 30 MHz

Frequency	Measured Level	CL+AF+DF-AG	ANT. POL	Total	Limit	Margin
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]
No Critical peaks found						

Note:

1. The Measured Level of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
2. Distance extrapolation factor = 40log (specific distance / test distance) (dB)
3. Limit line = specific Limits (dBμV) + Distance extrapolation factor

Frequency Range : Below 1 GHz

Frequency	Measured Level	A.F+C.L	ANT. POL	Total	Limit	Margin
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]
No Critical peaks found						

Note:

1. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Quasi peak detector mode

10.8 RADIATED SPURIOUS EMISSIONS (Above 1 GHz)

10.8.1 802.11ax(HE20)

1) SU

Band :	UNII 1
Operation Mode:	802.11ax(HE20)
Transfer MCS Index:	MCS0
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10360	56.20	8.05	V	64.25	68.20	3.95	PK
15540	40.29	12.94	V	53.23	73.98	20.75	PK
15540	26.74	12.94	V	39.68	53.98	14.30	AV
10360	55.98	8.05	H	64.03	68.20	4.17	PK
15540	39.37	12.94	H	52.31	73.98	21.67	PK
15540	26.65	12.94	H	39.59	53.98	14.39	AV

Band :	UNII 1
Operation Mode:	802.11ax(HE20)
Transfer MCS Index:	MCS0
Operating Frequency	5200 MHz
Channel No.	40 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10400	53.88	8.21	V	62.09	68.20	6.11	PK
15600	39.61	13.31	V	52.92	73.98	21.06	PK
15600	26.43	13.31	V	39.74	53.98	14.24	AV
10400	52.02	8.21	H	60.23	68.20	7.97	PK
15600	38.83	13.31	H	52.14	73.98	21.84	PK
15600	26.42	13.31	H	39.73	53.98	14.25	AV

Band :	UNII 1
Operation Mode:	802.11ax(HE20)
Transfer MCS Index:	MCS0
Operating Frequency	5240 MHz
Channel No.	48 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10480	51.27	8.55	V	59.82	68.20	8.38	PK
15720	39.83	13.22	V	53.05	73.98	20.93	PK
15720	26.05	13.22	V	39.27	53.98	14.71	AV
10480	50.51	8.55	H	59.06	68.20	9.14	PK
15720	38.64	13.22	H	51.86	73.98	22.12	PK
15720	26.28	13.22	H	39.50	53.98	14.48	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE20)
Transfer MCS Index:	MCS0
Operating Frequency	5260 MHz
Channel No.	52 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10520	53.15	8.95	V	62.10	68.20	6.10	PK
15780	39.85	13.89	V	53.74	73.98	20.24	PK
15780	26.43	13.89	V	40.32	53.98	13.66	AV
10520	52.67	8.95	H	61.62	68.20	6.58	PK
15780	40.32	13.89	H	54.21	73.98	19.77	PK
15780	26.77	13.89	H	40.66	53.98	13.32	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE20)
Transfer MCS Index:	MCS0
Operating Frequency	5300 MHz
Channel No.	60 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10600	49.46	9.57	V	59.03	73.98	14.95	PK
10600	34.86	9.57	V	44.43	53.98	9.55	AV
15900	40.99	13.31	V	54.30	73.98	19.68	PK
15900	27.25	13.31	V	40.56	53.98	13.42	AV
10600	48.91	9.57	H	58.48	73.98	15.50	PK
10600	34.53	9.57	H	44.10	53.98	9.88	AV
15900	41.19	13.31	H	54.50	73.98	19.48	PK
15900	27.35	13.31	H	40.66	53.98	13.32	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE20)
Transfer MCS Index:	MCS0
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10640	47.81	9.71	V	57.52	73.98	16.46	PK
10640	33.26	9.71	V	42.97	53.98	11.01	AV
15960	40.76	12.93	V	53.69	73.98	20.29	PK
15960	26.94	12.93	V	39.87	53.98	14.11	AV
10640	47.52	9.71	H	57.23	73.98	16.75	PK
10640	32.89	9.71	H	42.60	53.98	11.38	AV
15960	41.54	12.93	H	54.47	73.98	19.51	PK
15960	27.17	12.93	H	40.10	53.98	13.88	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE20)
Transfer MCS Index:	MCS0
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11000	43.49	9.69	V	53.18	73.98	20.80	PK
11000	29.75	9.69	V	39.44	53.98	14.54	AV
16500	41.24	12.08	V	53.32	68.20	14.88	PK
11000	43.17	9.69	H	52.86	73.98	21.12	PK
11000	29.52	9.69	H	39.21	53.98	14.77	AV
16500	41.19	12.08	H	53.27	68.20	14.93	PK

Band :	UNII 2C
Operation Mode:	802.11ax(HE20)
Transfer MCS Index:	MCS0
Operating Frequency	5580 MHz
Channel No.	116 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11160	43.35	10.22	V	53.57	73.98	20.41	PK
11160	29.50	10.22	V	39.72	53.98	14.26	AV
16740	41.24	11.40	V	52.64	68.20	15.56	PK
11160	42.79	10.22	H	53.01	73.98	20.97	PK
11160	28.23	10.22	H	38.45	53.98	15.53	AV
16740	40.97	11.40	H	52.37	68.20	15.83	PK

Band :	UNII 2C
Operation Mode:	802.11ax(HE20)
Transfer MCS Index:	MCS0
Operating Frequency	5720 MHz
Channel No.	144 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11440	41.77	10.57	V	52.34	73.98	21.64	PK
11440	28.01	10.57	V	38.58	53.98	15.40	AV
17160	40.71	12.01	V	52.72	68.20	15.48	PK
11440	41.56	10.57	H	52.13	73.98	21.85	PK
11440	27.87	10.57	H	38.44	53.98	15.54	AV
17160	40.52	12.01	H	52.53	68.20	15.67	PK

Band :	UNII 3
Operation Mode:	802.11ax(HE20)
Transfer MCS Index:	MCS0
Operating Frequency	5745 MHz
Channel No.	149 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11490	42.23	10.49	V	52.72	73.98	21.26	PK
11490	28.17	10.49	V	38.66	53.98	15.32	AV
17235	41.29	12.22	V	53.51	68.20	14.69	PK
11490	41.88	10.49	H	52.37	73.98	21.61	PK
11490	28.11	10.49	H	38.60	53.98	15.38	AV
17235	41.09	12.22	H	53.31	68.20	14.89	PK

Band :	UNII 3
Operation Mode:	802.11ax(HE20)
Transfer MCS Index:	MCS0
Operating Frequency	5785 MHz
Channel No.	157 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11570	42.55	9.92	V	52.47	73.98	21.51	PK
11570	28.37	9.92	V	38.29	53.98	15.69	AV
17355	40.47	13.11	V	53.58	68.20	14.62	PK
11570	41.86	9.92	H	51.78	73.98	22.20	PK
11570	28.31	9.92	H	38.23	53.98	15.75	AV
17355	40.82	13.11	H	53.93	68.20	14.27	PK

Band :	UNII 3
Operation Mode:	802.11ax(HE20)
Transfer MCS Index:	MCS0
Operating Frequency	5825 MHz
Channel No.	165 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11650	42.88	9.60	V	52.48	73.98	21.50	PK
11650	28.43	9.60	V	38.03	53.98	15.95	AV
17475	40.26	14.27	V	54.53	68.20	13.67	PK
11650	42.46	9.60	H	52.06	73.98	21.92	PK
11650	28.10	9.60	H	37.70	53.98	16.28	AV
17475	40.16	14.27	H	54.43	68.20	13.77	PK

10.8.2 802.11ax(HE40)

1) SU

Band :	UNII 1
Operation Mode:	802.11ax(HE40)
Transfer MCS Index:	MCS0
Operating Frequency	5190 MHz
Channel No.	38 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10380	51.83	8.19	V	60.02	68.20	8.18	PK
15570	39.80	13.31	V	53.11	73.98	20.87	PK
15570	26.66	13.31	V	39.97	53.98	14.01	AV
10380	50.58	8.19	H	58.77	68.20	9.43	PK
15570	39.36	13.31	H	52.67	73.98	21.31	PK
15570	26.45	13.31	H	39.76	53.98	14.22	AV

Band :	UNII 1
Operation Mode:	802.11ax(HE40)
Transfer MCS Index:	MCS0
Operating Frequency	5230 MHz
Channel No.	46 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10460	49.84	8.47	V	58.31	68.20	9.89	PK
15690	39.94	13.28	V	53.22	73.98	20.76	PK
15690	26.60	13.28	V	39.88	53.98	14.10	AV
10460	49.04	8.47	H	57.51	68.20	10.69	PK
15690	39.76	13.28	H	53.04	73.98	20.94	PK
15690	26.48	13.28	H	39.76	53.98	14.22	AV

10.8.3 802.11ax(HE80)

1) SU

Band :	UNII 1
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5210 MHz
Channel No.	42 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10420	47.75	8.31	V	56.06	68.20	12.14	PK
15630	40.01	13.20	V	53.21	73.98	20.77	PK
15630	26.42	13.20	V	39.62	53.98	14.36	AV
10420	46.36	8.31	H	54.67	68.20	13.53	PK
15630	38.22	13.20	H	51.42	73.98	22.56	PK
15630	26.40	13.20	H	39.60	53.98	14.38	AV

10.8.4 802.11ax(HE160)

1) SU

Band :	UNII 1
Operation Mode:	802.11ax(HE160)
Transfer MCS Index:	MCS0
Operating Frequency	5250 MHz
Channel No.	50 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10500	44.55	8.62	V	53.17	68.20	15.03	PK
15750	39.88	13.53	V	53.41	73.98	20.57	PK
15750	27.56	13.53	V	41.09	53.98	12.89	AV
10500	43.59	8.62	H	52.21	68.20	15.99	PK
15750	39.58	13.53	H	53.11	73.98	20.87	PK
15750	27.37	13.53	H	40.90	53.98	13.08	AV

Note:

All Modes of operation were investigated and the worst case configuration results are reported.
In order to simplify the report, We only have attached RSE result of worst case.

10.9 UNII4 Band

10.9.1 802.11ax(HE20)

Band :	UNII 4
Operation Mode:	802.11ax(HE20)
Transfer MCS Index:	MCS0
Operating Frequency	5845 MHz
Channel No.	169 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11690	42.23	9.68	V	51.91	73.98	22.07	PK
11690	28.26	9.68	V	37.94	53.98	16.04	AV
17535	40.75	14.59	V	55.34	68.20	12.86	PK
11690	41.89	9.68	H	51.57	73.98	22.41	PK
11690	28.08	9.68	H	37.76	53.98	16.22	AV
17535	40.18	14.59	H	54.77	68.20	13.43	PK

Band :	UNII 4
Operation Mode:	802.11ax(HE20)
Transfer MCS Index:	MCS0
Operating Frequency	5865 MHz
Channel No.	173 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11730	42.75	9.63	V	52.38	73.98	21.60	PK
11730	28.99	9.63	V	38.62	53.98	15.36	AV
17595	40.97	14.80	V	55.77	68.20	12.43	PK
11730	41.89	9.63	H	51.52	73.98	22.46	PK
11730	28.77	9.63	H	38.40	53.98	15.58	AV
17595	40.31	14.80	H	55.11	68.20	13.09	PK

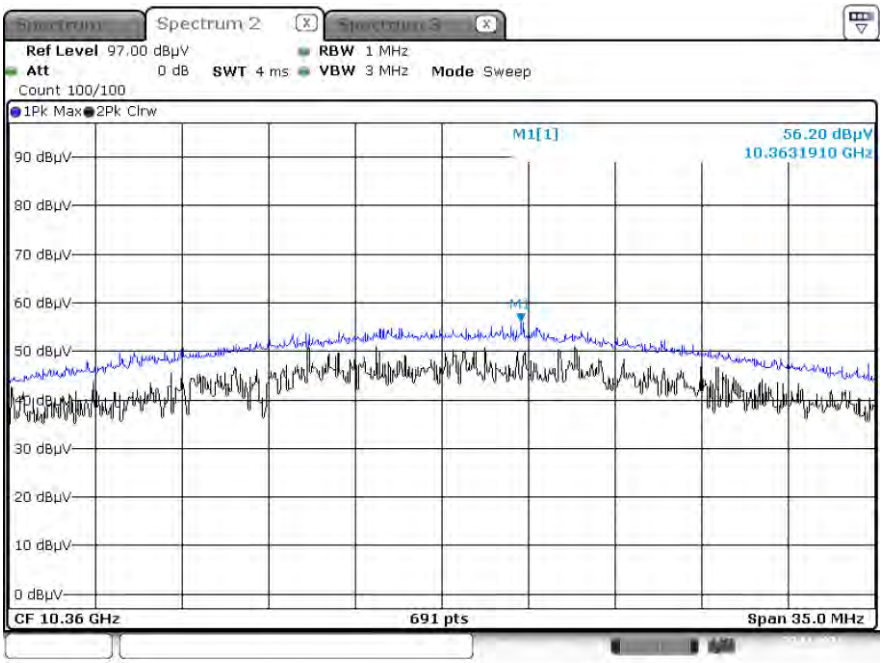
Band :	UNII 4
Operation Mode:	802.11ax(HE20)
Transfer MCS Index:	MCS0
Operating Frequency	5885 MHz
Channel No.	177 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11770	42.78	9.47	V	52.25	73.98	21.73	PK
11770	28.94	9.47	V	38.41	53.98	15.57	AV
17655	40.85	15.23	V	56.08	68.20	12.12	PK
11770	42.21	9.47	H	51.68	73.98	22.30	PK
11770	28.85	9.47	H	38.32	53.98	15.66	AV
17655	40.10	15.23	H	55.33	68.20	12.87	PK

[MIMO]

▣ Test Plots_SU

Peak result (802.11ax(HE20), Ch.36 2nd Harmonic, X-V)



Note:

Only the worst case plots for Radiated Spurious Emissions.

10.9 RADIATED RESTRICTED BAND EDGE

10.9.1 MIMO

1) 802.11ax(HE20)

1.1) 26 Tone

Band :	UNII 1
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5180 MHz
Channel No.	36 Ch
RU offset.	0

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	42.78	9.11	H	51.89	73.98	22.09	PK
5150	31.91	9.11	H	41.02	53.98	12.96	AV
5150	43.66	9.11	V	52.77	73.98	21.21	PK
5150	30.89	9.11	V	40.00	53.98	13.98	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5320 MHz
Channel No.	64 Ch
RU offset.	8

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	43.45	8.71	H	52.16	73.98	21.82	PK
5350	30.84	8.71	H	39.55	53.98	14.43	AV
5350	42.37	8.71	V	51.08	73.98	22.90	PK
5350	30.57	8.71	V	39.28	53.98	14.70	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5500 MHz
Channel No.	100 Ch
RU offset.	0

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	44.81	9.30	H	54.11	73.98	19.87	PK
5460	30.82	9.30	H	40.12	53.98	13.86	AV
5470	43.34	9.34	H	52.68	68.20	15.52	PK
5460	44.39	9.30	V	53.69	73.98	20.29	PK
5460	30.35	9.30	V	39.65	53.98	14.33	AV
5470	43.05	9.34	V	52.39	68.20	15.81	PK

1.2) 52 Tone

Band :	UNII 1
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5180 MHz
Channel No.	36 Ch
RU offset.	37

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	42.86	9.11	H	51.97	73.98	22.01	PK
5150	31.03	9.11	H	40.14	53.98	13.84	AV
5150	41.76	9.11	V	50.87	73.98	23.11	PK
5150	30.58	9.11	V	39.69	53.98	14.29	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5320 MHz
Channel No.	64 Ch
RU offset.	40

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	43.35	8.71	H	52.06	73.98	21.92	PK
5350	31.03	8.71	H	39.74	53.98	14.24	AV
5350	42.63	8.71	V	51.34	73.98	22.64	PK
5350	30.87	8.71	V	39.58	53.98	14.40	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5500 MHz
Channel No.	100 Ch
RU offset.	37

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	45.37	9.30	H	54.67	73.98	19.31	PK
5460	30.85	9.30	H	40.15	53.98	13.83	AV
5470	43.41	9.34	H	52.75	68.20	15.45	PK
5460	44.03	9.30	V	53.33	73.98	20.65	PK
5460	30.50	9.30	V	39.80	53.98	14.18	AV
5470	42.24	9.34	V	51.58	68.20	16.62	PK

1.3) 106 Tone

Band :	UNII 1
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5180 MHz
Channel No.	36 Ch
RU offset.	53

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	44.02	9.11	H	53.13	73.98	20.85	PK
5150	31.57	9.11	H	40.68	53.98	13.30	AV
5150	42.44	9.11	V	51.55	73.98	22.43	PK
5150	30.35	9.11	V	39.46	53.98	14.52	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5320 MHz
Channel No.	64 Ch
RU offset.	54

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	43.43	8.71	H	52.14	73.98	21.84	PK
5350	31.25	8.71	H	39.96	53.98	14.02	AV
5350	42.67	8.71	V	51.38	73.98	22.60	PK
5350	30.72	8.71	V	39.43	53.98	14.55	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5500 MHz
Channel No.	100 Ch
RU offset.	53

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	43.55	9.30	H	52.85	73.98	21.13	PK
5460	30.79	9.30	H	40.09	53.98	13.89	AV
5470	45.16	9.34	H	54.50	68.20	13.70	PK
5460	42.90	9.30	V	52.20	73.98	21.78	PK
5460	30.56	9.30	V	39.86	53.98	14.12	AV
5470	44.09	9.34	V	53.43	68.20	14.77	PK

1.4) 242 Tone

Band :	UNII 1
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5180 MHz
Channel No.	36 Ch
RU offset.	61

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	45.44	9.11	H	54.55	73.98	19.43	PK
5150	31.67	9.11	H	40.78	53.98	13.20	AV
5150	44.79	9.11	V	53.90	73.98	20.08	PK
5150	31.51	9.11	V	40.62	53.98	13.36	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5320 MHz
Channel No.	64 Ch
RU offset.	61

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	45.27	8.71	H	53.98	73.98	20.00	PK
5350	31.82	8.71	H	40.53	53.98	13.45	AV
5350	44.97	8.71	V	53.68	73.98	20.30	PK
5350	31.40	8.71	V	40.11	53.98	13.87	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5500 MHz
Channel No.	100 Ch
RU offset.	61

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	44.36	9.30	H	53.66	73.98	20.32	PK
5460	30.86	9.30	H	40.16	53.98	13.82	AV
5470	49.87	9.34	H	59.21	68.20	8.99	PK
5460	43.18	9.30	V	52.48	73.98	21.50	PK
5460	30.56	9.30	V	39.86	53.98	14.12	AV
5470	48.28	9.34	V	57.62	68.20	10.58	PK

1.5) SU

Band :	UNII 1
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5180 MHz
Channel No.	36 Ch
RU offset.	61

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	45.44	9.11	H	54.55	73.98	19.43	PK
5150	33.95	9.11	H	43.06	53.98	10.92	AV
5150	44.85	9.11	V	53.96	73.98	20.02	PK
5150	33.08	9.11	V	42.19	53.98	11.79	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5320 MHz
Channel No.	64 Ch
RU offset.	61

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	44.89	8.71	H	53.60	73.98	20.38	PK
5350	32.86	8.71	H	41.57	53.98	12.41	AV
5350	43.78	8.71	V	52.49	73.98	21.49	PK
5350	31.85	8.71	V	40.56	53.98	13.42	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5500 MHz
Channel No.	100 Ch
RU offset.	61

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	44.47	9.30	H	53.77	73.98	20.21	PK
5460	31.26	9.30	H	40.56	53.98	13.42	AV
5470	48.94	9.34	H	58.28	68.20	9.92	PK
5460	43.95	9.30	V	53.25	73.98	20.73	PK
5460	31.07	9.30	V	40.37	53.98	13.61	AV
5470	46.96	9.34	V	56.30	68.20	11.90	PK

2) 802.11ax(HE40)

2.1) 26 Tone

Band :	UNII 1
Operation Mode:	802.11ax(HE40)
Transfer MCS Index:	MCS0
Operating Frequency	5190 MHz
Channel No.	38 Ch
RU offset.	0

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	44.06	9.11	H	53.17	73.98	20.81	PK
5150	31.99	9.11	H	41.10	53.98	12.88	AV
5150	43.57	9.11	V	52.68	73.98	21.30	PK
5150	30.56	9.11	V	39.67	53.98	14.31	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE40)
Transfer MCS Index:	MCS0
Operating Frequency	5310 MHz
Channel No.	62 Ch
RU offset.	17

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	42.95	8.71	H	51.66	73.98	22.32	PK
5350	30.75	8.71	H	39.46	53.98	14.52	AV
5350	42.81	8.71	V	51.52	73.98	22.46	PK
5350	30.63	8.71	V	39.34	53.98	14.64	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE40)
Transfer MCS Index:	MCS0
Operating Frequency	5510 MHz
Channel No.	102 Ch
RU offset.	0

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	43.72	9.30	H	53.02	73.98	20.96	PK
5460	31.01	9.30	H	40.31	53.98	13.67	AV
5470	44.47	9.34	H	53.81	68.20	14.39	PK
5460	43.25	9.30	V	52.55	73.98	21.43	PK
5460	30.83	9.30	V	40.13	53.98	13.85	AV
5470	43.55	9.34	V	52.89	68.20	15.31	PK

2.2) 52 Tone

Band :	UNII 1
Operation Mode:	802.11ax(HE40)
Transfer MCS Index:	MCS0
Operating Frequency	5190 MHz
Channel No.	38 Ch
RU offset.	37

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	43.13	9.11	H	52.24	73.98	21.74	PK
5150	31.86	9.11	H	40.97	53.98	13.01	AV
5150	42.16	9.11	V	51.27	73.98	22.71	PK
5150	30.89	9.11	V	40.00	53.98	13.98	AV

Band :	UNII 1
Operation Mode:	802.11ax(HE40)
Transfer MCS Index:	MCS0
Operating Frequency	5310 MHz
Channel No.	62 Ch
RU offset.	44

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	50.81	8.71	H	59.52	73.98	14.46	PK
5350	31.27	8.71	H	39.98	53.98	14.00	AV
5350	49.84	8.71	V	58.55	73.98	15.43	PK
5350	31.06	8.71	V	39.77	53.98	14.21	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE40)
Transfer MCS Index:	MCS0
Operating Frequency	5510 MHz
Channel No.	102 Ch
RU offset.	37

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	44.30	9.30	H	53.60	73.98	20.38	PK
5460	31.15	9.30	H	40.45	53.98	13.53	AV
5470	46.65	9.34	H	55.99	68.20	12.21	PK
5460	43.67	9.30	V	52.97	73.98	21.01	PK
5460	30.96	9.30	V	40.26	53.98	13.72	AV
5470	45.48	9.34	V	54.82	68.20	13.38	PK

2.3) 106 Tone

Band :	UNII 1
Operation Mode:	802.11ax(HE40)
Transfer MCS Index:	MCS0
Operating Frequency	5190 MHz
Channel No.	38 Ch
RU offset.	53

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	50.67	9.11	H	59.78	73.98	14.20	PK
5150	31.74	9.11	H	40.85	53.98	13.13	AV
5150	49.96	9.11	V	59.07	73.98	14.91	PK
5150	30.84	9.11	V	39.95	53.98	14.03	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE40)
Transfer MCS Index:	MCS0
Operating Frequency	5310 MHz
Channel No.	62 Ch
RU offset.	56

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	56.69	8.71	H	65.40	73.98	8.58	PK
5350	31.57	8.71	H	40.28	53.98	13.70	AV
5350	55.61	8.71	V	64.32	73.98	9.66	PK
5350	30.89	8.71	V	39.60	53.98	14.38	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE40)
Transfer MCS Index:	MCS0
Operating Frequency	5510 MHz
Channel No.	102 Ch
RU offset.	53

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	48.44	9.30	H	57.74	73.98	16.24	PK
5460	31.11	9.30	H	40.41	53.98	13.57	AV
5470	53.95	9.34	H	63.29	68.20	4.91	PK
5460	47.66	9.30	V	56.96	73.98	17.02	PK
5460	30.68	9.30	V	39.98	53.98	14.00	AV
5470	53.21	9.34	V	62.55	68.20	5.65	PK

2.4) 242 Tone

Band :	UNII 1
Operation Mode:	802.11ax(HE40)
Transfer MCS Index:	MCS0
Operating Frequency	5190 MHz
Channel No.	38 Ch
RU offset.	61

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	58.15	9.11	H	67.26	73.98	6.72	PK
5150	34.07	9.11	H	43.18	53.98	10.80	AV
5150	56.81	9.11	V	65.92	73.98	8.06	PK
5150	33.58	9.11	V	42.69	53.98	11.29	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE40)
Transfer MCS Index:	MCS0
Operating Frequency	5310 MHz
Channel No.	62 Ch
RU offset.	62

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	60.19	8.71	H	68.90	73.98	5.08	PK
5350	32.68	8.71	H	41.39	53.98	12.59	AV
5350	58.98	8.71	V	67.69	73.98	6.29	PK
5350	32.19	8.71	V	40.90	53.98	13.08	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE40)
Transfer MCS Index:	MCS0
Operating Frequency	5510 MHz
Channel No.	102 Ch
RU offset.	61

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	49.27	9.30	H	58.57	73.98	15.41	PK
5460	31.11	9.30	H	40.41	53.98	13.57	AV
5470	54.94	9.34	H	64.28	68.20	3.92	PK
5460	47.96	9.30	V	57.26	73.98	16.72	PK
5460	30.75	9.30	V	40.05	53.98	13.93	AV
5470	52.96	9.34	V	62.30	68.20	5.90	PK

2.5) 484 Tone

Band :	UNII 1
Operation Mode:	802.11ax(HE40)
Transfer MCS Index:	MCS0
Operating Frequency	5190 MHz
Channel No.	38 Ch
RU offset.	65

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	57.94	9.11	H	67.05	73.98	6.93	PK
5150	38.49	9.11	H	47.60	53.98	6.38	AV
5150	56.52	9.11	V	65.63	73.98	8.35	PK
5150	37.94	9.11	V	47.05	53.98	6.93	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE40)
Transfer MCS Index:	MCS0
Operating Frequency	5310 MHz
Channel No.	62 Ch
RU offset.	65

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	59.95	8.71	H	68.66	73.98	5.32	PK
5350	38.65	8.71	H	47.36	53.98	6.62	AV
5350	59.74	8.71	V	68.45	73.98	5.53	PK
5350	37.18	8.71	V	45.89	53.98	8.09	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE40)
Transfer MCS Index:	MCS0
Operating Frequency	5510 MHz
Channel No.	102 Ch
RU offset.	65

Frequency [MHz]	Measured Level [dBμV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5460	46.86	9.30	H	56.16	73.98	17.82	PK
5460	31.39	9.30	H	40.69	53.98	13.29	AV
5470	53.13	9.34	H	62.47	68.20	5.73	PK
5460	45.91	9.30	V	55.21	73.98	18.77	PK
5460	30.90	9.30	V	40.20	53.98	13.78	AV
5470	52.86	9.34	V	62.20	68.20	6.00	PK

2.6) SU

Band :	UNII 1
Operation Mode:	802.11ax(HE40)
Transfer MCS Index:	MCS0
Operating Frequency	5190 MHz
Channel No.	38 Ch
RU offset.	65

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	53.36	9.11	H	62.47	73.98	11.51	PK
5150	40.92	9.11	H	50.03	53.98	3.95	AV
5150	51.26	9.11	V	60.37	73.98	13.61	PK
5150	40.03	9.11	V	49.14	53.98	4.84	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE40)
Transfer MCS Index:	MCS0
Operating Frequency	5310 MHz
Channel No.	62 Ch
RU offset.	65

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	58.98	8.71	H	67.69	73.98	6.29	PK
5350	42.28	8.71	H	50.99	53.98	2.99	AV
5350	56.45	8.71	V	65.16	73.98	8.82	PK
5350	41.87	8.71	V	50.58	53.98	3.40	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE40)
Transfer MCS Index:	MCS0
Operating Frequency	5510 MHz
Channel No.	102 Ch
RU offset.	65

Frequency [MHz]	Measured Level [dBμV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5460	47.13	9.30	H	56.43	73.98	17.55	PK
5460	33.57	9.30	H	42.87	53.98	11.11	AV
5470	53.49	9.34	H	62.83	68.20	5.37	PK
5460	46.03	9.30	V	55.33	73.98	18.65	PK
5460	32.17	9.30	V	41.47	53.98	12.51	AV
5470	52.52	9.34	V	61.86	68.20	6.34	PK

3) 802.11ax(HE80)

3.1) 26 Tone

Band :	UNII 1
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5210 MHz
Channel No.	42 Ch
RU offset.	0

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	44.69	9.11	H	53.80	73.98	20.18	PK
5150	31.84	9.11	H	40.95	53.98	13.03	AV
5150	43.31	9.11	V	52.42	73.98	21.56	PK
5150	30.84	9.11	V	39.95	53.98	14.03	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5290 MHz
Channel No.	58 Ch
RU offset.	36

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	44.72	8.71	H	53.43	73.98	20.55	PK
5350	31.01	8.71	H	39.72	53.98	14.26	AV
5350	43.23	8.71	V	51.94	73.98	22.04	PK
5350	30.98	8.71	V	39.69	53.98	14.29	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5530 MHz
Channel No.	106 Ch
RU offset.	0

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	44.42	9.30	H	53.72	73.98	20.26	PK
5460	30.97	9.30	H	40.27	53.98	13.71	AV
5470	46.30	9.34	H	55.64	68.20	12.56	PK
5460	43.72	9.30	V	53.02	73.98	20.96	PK
5460	30.78	9.30	V	40.08	53.98	13.90	AV
5470	44.31	9.34	V	53.65	68.20	14.55	PK

3.2) 52 Tone

Band :	UNII 1
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5210 MHz
Channel No.	42 Ch
RU offset.	37

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	44.68	9.11	H	53.79	73.98	20.19	PK
5150	31.63	9.11	H	40.74	53.98	13.24	AV
5150	42.61	9.11	V	51.72	73.98	22.26	PK
5150	30.85	9.11	V	39.96	53.98	14.02	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5290 MHz
Channel No.	58 Ch
RU offset.	52

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	49.49	8.71	H	58.20	73.98	15.78	PK
5350	31.46	8.71	H	40.17	53.98	13.81	AV
5350	48.62	8.71	V	57.33	73.98	16.65	PK
5350	31.26	8.71	V	39.97	53.98	14.01	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5530 MHz
Channel No.	106 Ch
RU offset.	37

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	45.01	9.30	H	54.31	73.98	19.67	PK
5460	31.15	9.30	H	40.45	53.98	13.53	AV
5470	48.87	9.34	H	58.21	68.20	9.99	PK
5460	44.78	9.30	V	54.08	73.98	19.90	PK
5460	30.95	9.30	V	40.25	53.98	13.73	AV
5470	46.97	9.34	V	56.31	68.20	11.89	PK

3.3) 106 Tone

Band :	UNII 1
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5210 MHz
Channel No.	42 Ch
RU offset.	53

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	49.70	9.11	H	58.81	73.98	15.17	PK
5150	31.58	9.11	H	40.69	53.98	13.29	AV
5150	48.02	9.11	V	57.13	73.98	16.85	PK
5150	30.69	9.11	V	39.80	53.98	14.18	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5290 MHz
Channel No.	58 Ch
RU offset.	60

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	53.95	8.71	H	62.66	73.98	11.32	PK
5350	32.30	8.71	H	41.01	53.98	12.97	AV
5350	52.98	8.71	V	61.69	73.98	12.29	PK
5350	31.49	8.71	V	40.20	53.98	13.78	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5530 MHz
Channel No.	106 Ch
RU offset.	53

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	49.73	9.30	H	59.03	73.98	14.95	PK
5460	31.13	9.30	H	40.43	53.98	13.55	AV
5470	53.91	9.34	H	63.25	68.20	4.95	PK
5460	47.24	9.30	V	56.54	73.98	17.44	PK
5460	30.66	9.30	V	39.96	53.98	14.02	AV
5470	52.65	9.34	V	61.99	68.20	6.21	PK

3.4) 242 Tone

Band :	UNII 1
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5210 MHz
Channel No.	42 Ch
RU offset.	61

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	49.46	9.11	H	58.57	73.98	15.41	PK
5150	31.14	9.11	H	40.25	53.98	13.73	AV
5150	48.15	9.11	V	57.26	73.98	16.72	PK
5150	30.75	9.11	V	39.86	53.98	14.12	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5290 MHz
Channel No.	58 Ch
RU offset.	64

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	54.22	8.71	H	62.93	73.98	11.05	PK
5350	32.11	8.71	H	40.82	53.98	13.16	AV
5350	53.88	8.71	V	62.59	73.98	11.39	PK
5350	30.28	8.71	V	38.99	53.98	14.99	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5530 MHz
Channel No.	106 Ch
RU offset.	61

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	50.08	9.30	H	59.38	73.98	14.60	PK
5460	31.16	9.30	H	40.46	53.98	13.52	AV
5470	54.37	9.34	H	63.71	68.20	4.49	PK
5460	47.37	9.30	V	56.67	73.98	17.31	PK
5460	30.88	9.30	V	40.18	53.98	13.80	AV
5470	53.60	9.34	V	62.94	68.20	5.26	PK

3.5) 484 Tone

Band :	UNII 1
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5210 MHz
Channel No.	42 Ch
RU offset.	65

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	49.47	9.11	H	58.58	73.98	15.40	PK
5150	34.26	9.11	H	43.37	53.98	10.61	AV
5150	48.05	9.11	V	57.16	73.98	16.82	PK
5150	33.79	9.11	V	42.90	53.98	11.08	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5290 MHz
Channel No.	58 Ch
RU offset.	66

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	54.47	8.71	H	63.18	73.98	10.80	PK
5350	35.69	8.71	H	44.40	53.98	9.58	AV
5350	53.62	8.71	V	62.33	73.98	11.65	PK
5350	34.29	8.71	V	43.00	53.98	10.98	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5530 MHz
Channel No.	106 Ch
RU offset.	65

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	46.99	9.30	H	56.29	73.98	17.69	PK
5460	31.58	9.30	H	40.88	53.98	13.10	AV
5470	51.58	9.34	H	60.92	68.20	7.28	PK
5460	46.41	9.30	V	55.71	73.98	18.27	PK
5460	30.44	9.30	V	39.74	53.98	14.24	AV
5470	50.39	9.34	V	59.73	68.20	8.47	PK

3.6) 996 Tone

Band :	UNII 1
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5210 MHz
Channel No.	42 Ch
RU offset.	67

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	47.65	9.11	H	56.76	73.98	17.22	PK
5150	35.15	9.11	H	44.26	53.98	9.72	AV
5150	46.04	9.11	V	55.15	73.98	18.83	PK
5150	34.03	9.11	V	43.14	53.98	10.84	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5290 MHz
Channel No.	58 Ch
RU offset.	67

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	54.11	8.71	H	62.82	73.98	11.16	PK
5350	37.10	8.71	H	45.81	53.98	8.17	AV
5350	52.51	8.71	V	61.22	73.98	12.76	PK
5350	35.53	8.71	V	44.24	53.98	9.74	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5530 MHz
Channel No.	106 Ch
RU offset.	67

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	49.84	9.30	H	59.14	73.98	14.84	PK
5460	32.19	9.30	H	41.49	53.98	12.49	AV
5470	53.83	9.34	H	63.17	68.20	5.03	PK
5460	48.93	9.30	V	58.23	73.98	15.75	PK
5460	33.29	9.30	V	42.59	53.98	11.39	AV
5470	52.33	9.34	V	61.67	68.20	6.53	PK

3.7) SU

Band :	UNII 1
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5210 MHz
Channel No.	42 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	50.72	9.11	H	59.83	73.98	14.15	PK
5150	39.64	9.11	H	48.75	53.98	5.23	AV
5150	50.22	9.11	V	59.33	73.98	14.65	PK
5150	39.07	9.11	V	48.18	53.98	5.80	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5290 MHz
Channel No.	58 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	53.22	8.71	H	61.93	73.98	12.05	PK
5350	40.14	8.71	H	48.85	53.98	5.13	AV
5350	52.35	8.71	V	61.06	73.98	12.92	PK
5350	39.80	8.71	V	48.51	53.98	5.47	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5530 MHz
Channel No.	106 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	52.27	9.30	H	61.57	73.98	12.41	PK
5460	36.68	9.30	H	45.98	53.98	8.00	AV
5470	53.37	9.34	H	62.71	68.20	5.49	PK
5460	51.47	9.30	V	60.77	73.98	13.21	PK
5460	35.86	9.30	V	45.16	53.98	8.82	AV
5470	52.76	9.34	V	62.10	68.20	6.10	PK

4) 802.11ax(HE160)

4.1) 26 Tone

Band :	UNII 1
Operation Mode:	802.11ax(HE160)_(80L)
Transfer MCS Index:	MCS0
Operating Frequency	5210 MHz
Channel No.	42 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	43.73	9.11	H	52.84	73.98	21.14	PK
5150	31.84	9.11	H	40.95	53.98	13.03	AV
5150	43.42	9.11	V	52.53	73.98	21.45	PK
5150	31.57	9.11	V	40.68	53.98	13.30	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE160)_(80L)
Transfer MCS Index:	MCS0
Operating Frequency	5290 MHz
Channel No.	58 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	46.31	8.71	H	55.02	73.98	18.96	PK
5350	31.23	8.71	H	39.94	53.98	14.04	AV
5350	45.72	8.71	V	54.43	73.98	19.55	PK
5350	30.95	8.71	V	39.66	53.98	14.32	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE160)_(80L)
Transfer MCS Index:	MCS0
Operating Frequency	5530 MHz
Channel No.	106 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	45.99	9.30	H	55.29	73.98	18.69	PK
5460	30.93	9.30	H	40.23	53.98	13.75	AV
5470	44.34	9.34	H	53.68	68.20	14.52	PK
5460	44.62	9.30	V	53.92	73.98	20.06	PK
5460	30.77	9.30	V	40.07	53.98	13.91	AV
5470	44.02	9.34	V	53.36	68.20	14.84	PK

4.2) 52 Tone

Band :	UNII 1
Operation Mode:	802.11ax(HE160)_(80L)
Transfer MCS Index:	MCS0
Operating Frequency	5210 MHz
Channel No.	42 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	45.83	9.11	H	54.94	73.98	19.04	PK
5150	31.77	9.11	H	40.88	53.98	13.10	AV
5150	45.51	9.11	V	54.62	73.98	19.36	PK
5150	31.23	9.11	V	40.34	53.98	13.64	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE160)_(80L)
Transfer MCS Index:	MCS0
Operating Frequency	5290 MHz
Channel No.	58 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	48.95	8.71	H	57.66	73.98	16.32	PK
5350	31.36	8.71	H	40.07	53.98	13.91	AV
5350	47.22	8.71	V	55.93	73.98	18.05	PK
5350	30.11	8.71	V	38.82	53.98	15.16	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE160)_(80L)
Transfer MCS Index:	MCS0
Operating Frequency	5530 MHz
Channel No.	106 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	50.25	9.30	H	59.55	73.98	14.43	PK
5460	31.57	9.30	H	40.87	53.98	13.11	AV
5470	45.99	9.34	H	55.33	68.20	12.87	PK
5460	49.76	9.30	V	59.06	73.98	14.92	PK
5460	31.32	9.30	V	40.62	53.98	13.36	AV
5470	44.87	9.34	V	54.21	68.20	13.99	PK

4.3) 106 Tone

Band :	UNII 1
Operation Mode:	802.11ax(HE160)_(80L)
Transfer MCS Index:	MCS0
Operating Frequency	5210 MHz
Channel No.	42 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	56.25	9.11	H	65.36	73.98	8.62	PK
5150	31.58	9.11	H	40.69	53.98	13.29	AV
5150	55.59	9.11	V	64.70	73.98	9.28	PK
5150	31.34	9.11	V	40.45	53.98	13.53	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE160)_(80U)
Transfer MCS Index:	MCS0
Operating Frequency	5290 MHz
Channel No.	58 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	57.65	8.71	H	66.36	73.98	7.62	PK
5350	32.83	8.71	H	41.54	53.98	12.44	AV
5350	56.08	8.71	V	64.79	73.98	9.19	PK
5350	31.19	8.71	V	39.90	53.98	14.08	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE160)_(80L)
Transfer MCS Index:	MCS0
Operating Frequency	5530 MHz
Channel No.	106 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	52.35	9.30	H	61.65	73.98	12.33	PK
5460	31.44	9.30	H	40.74	53.98	13.24	AV
5470	49.97	9.34	H	59.31	68.20	8.89	PK
5460	51.11	9.30	V	60.41	73.98	13.57	PK
5460	31.15	9.30	V	40.45	53.98	13.53	AV
5470	48.67	9.34	V	58.01	68.20	10.19	PK

4.4) 242 Tone

Band :	UNII 1
Operation Mode:	802.11ax(HE160)_(80L)
Transfer MCS Index:	MCS0
Operating Frequency	5210 MHz
Channel No.	42 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	50.78	9.11	H	59.89	73.98	14.09	PK
5150	31.25	9.11	H	40.36	53.98	13.62	AV
5150	50.16	9.11	V	59.27	73.98	14.71	PK
5150	30.58	9.11	V	39.69	53.98	14.29	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE160)_(80U)
Transfer MCS Index:	MCS0
Operating Frequency	5290 MHz
Channel No.	58 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	54.32	8.71	H	63.03	73.98	10.95	PK
5350	32.33	8.71	H	41.04	53.98	12.94	AV
5350	53.82	8.71	V	62.53	73.98	11.45	PK
5350	31.74	8.71	V	40.45	53.98	13.53	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE160)_(80L)
Transfer MCS Index:	MCS0
Operating Frequency	5530 MHz
Channel No.	106 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	52.49	9.30	H	61.79	73.98	12.19	PK
5460	31.43	9.30	H	40.73	53.98	13.25	AV
5470	47.91	9.34	H	57.25	68.20	10.95	PK
5460	52.15	9.30	V	61.45	73.98	12.53	PK
5460	30.88	9.30	V	40.18	53.98	13.80	AV
5470	46.99	9.34	V	56.33	68.20	11.87	PK

4.5) 484 Tone

Band :	UNII 1
Operation Mode:	802.11ax(HE160)_(80L)
Transfer MCS Index:	MCS0
Operating Frequency	5210 MHz
Channel No.	42 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	50.22	9.11	H	59.33	73.98	14.65	PK
5150	33.41	9.11	H	42.52	53.98	11.46	AV
5150	49.97	9.11	V	59.08	73.98	14.90	PK
5150	33.09	9.11	V	42.20	53.98	11.78	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE160)_(80U)
Transfer MCS Index:	MCS0
Operating Frequency	5290 MHz
Channel No.	58 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	54.46	8.71	H	63.17	73.98	10.81	PK
5350	33.14	8.71	H	41.85	53.98	12.13	AV
5350	53.84	8.71	V	62.55	73.98	11.43	PK
5350	32.81	8.71	V	41.52	53.98	12.46	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE160)_(80L)
Transfer MCS Index:	MCS0
Operating Frequency	5530 MHz
Channel No.	106 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	52.75	9.30	H	62.05	73.98	11.93	PK
5460	32.07	9.30	H	41.37	53.98	12.61	AV
5470	47.84	9.34	H	57.18	68.20	11.02	PK
5460	51.66	9.30	V	60.96	73.98	13.02	PK
5460	31.65	9.30	V	40.95	53.98	13.03	AV
5470	47.05	9.34	V	56.39	68.20	11.81	PK

4.6) 996 Tone

Band :	UNII 1
Operation Mode:	802.11ax(HE160)_(80L)
Transfer MCS Index:	MCS0
Operating Frequency	5250 MHz
Channel No.	50 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	51.79	9.11	H	60.90	73.98	13.08	PK
5150	33.98	9.11	H	43.09	53.98	10.89	AV
5150	50.38	9.11	V	59.49	73.98	14.49	PK
5150	33.56	9.11	V	42.67	53.98	11.31	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE160)_(80U)
Transfer MCS Index:	MCS0
Operating Frequency	5250 MHz
Channel No.	50 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	54.58	8.71	H	63.29	73.98	10.69	PK
5350	33.14	8.71	H	41.85	53.98	12.13	AV
5350	53.61	8.71	V	62.32	73.98	11.66	PK
5350	32.54	8.71	V	41.25	53.98	12.73	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE160)_(80L)
Transfer MCS Index:	MCS0
Operating Frequency	5530 MHz
Channel No.	106 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	53.08	9.30	H	62.38	73.98	11.60	PK
5460	32.52	9.30	H	41.82	53.98	12.16	AV
5470	48.12	9.34	H	57.46	68.20	10.74	PK
5460	52.98	9.30	V	62.28	73.98	11.70	PK
5460	32.34	9.30	V	41.64	53.98	12.34	AV
5470	47.93	9.34	V	57.27	68.20	10.93	PK

4.7) SU

Band :	UNII 1
Operation Mode:	802.11ax(HE160)
Transfer MCS Index:	MCS0
Operating Frequency	5210 MHz
Channel No.	42 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	49.20	9.11	H	58.31	73.98	15.67	PK
5150	35.78	9.11	H	44.89	53.98	9.09	AV
5150	48.95	9.11	V	58.06	73.98	15.92	PK
5150	35.41	9.11	V	44.52	53.98	9.46	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE160)
Transfer MCS Index:	MCS0
Operating Frequency	5290 MHz
Channel No.	58 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	53.56	8.71	H	62.27	73.98	11.71	PK
5350	40.88	8.71	H	49.59	53.98	4.39	AV
5350	51.16	8.71	V	59.87	73.98	14.11	PK
5350	38.05	8.71	V	46.76	53.98	7.22	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE160)
Transfer MCS Index:	MCS0
Operating Frequency	5530 MHz
Channel No.	106 Ch

Frequency [MHz]	Measured Level [dBµV]	A.F+C.L-A.G +ATT+D.F [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	51.32	9.30	H	60.62	73.98	13.36	PK
5460	38.77	9.30	H	48.07	53.98	5.91	AV
5470	51.82	9.34	H	61.16	68.20	7.04	PK
5460	50.66	9.30	V	59.96	73.98	14.02	PK
5460	37.47	9.30	V	46.77	53.98	7.21	AV
5470	51.12	9.34	V	60.46	68.20	7.74	PK

Note:

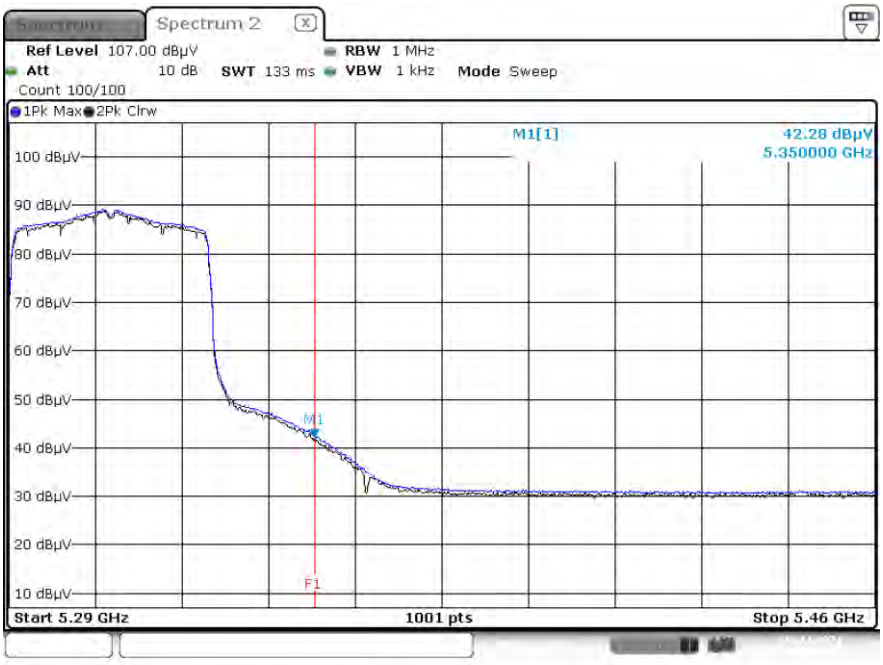
All Modes of operation were investigated and the worst case configuration results are reported.

In order to simplify the report, We only have attached Bandedge result of worst case.

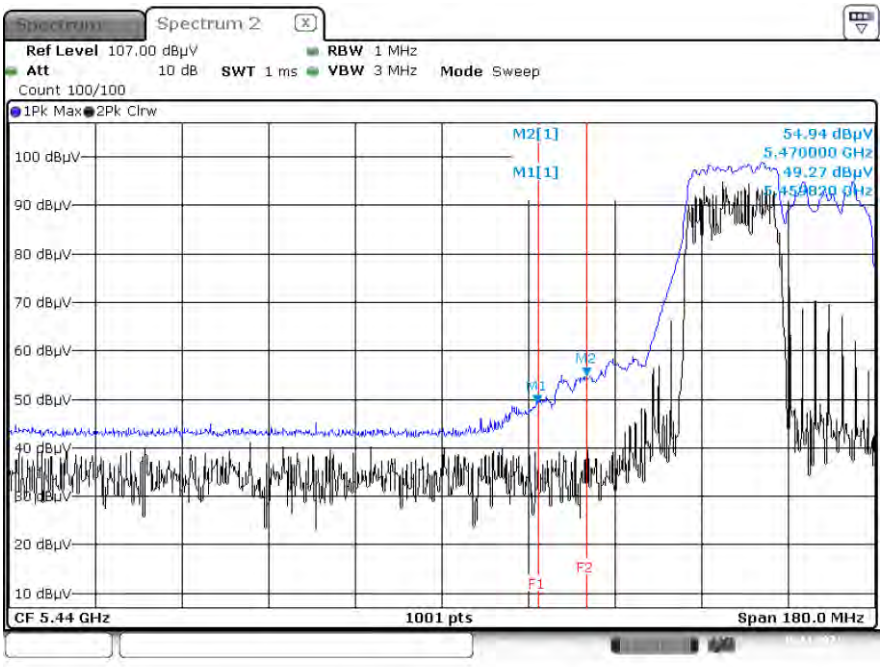
▣ Test Plots(UNII 1, 2A, 2C),

[MIMO]

Average result (802.11ax(HE40), Ch.62, SU, X-H)



Peak result (802.11ax(HE40), Ch.102, 242 Tone RU 61, Z-H)



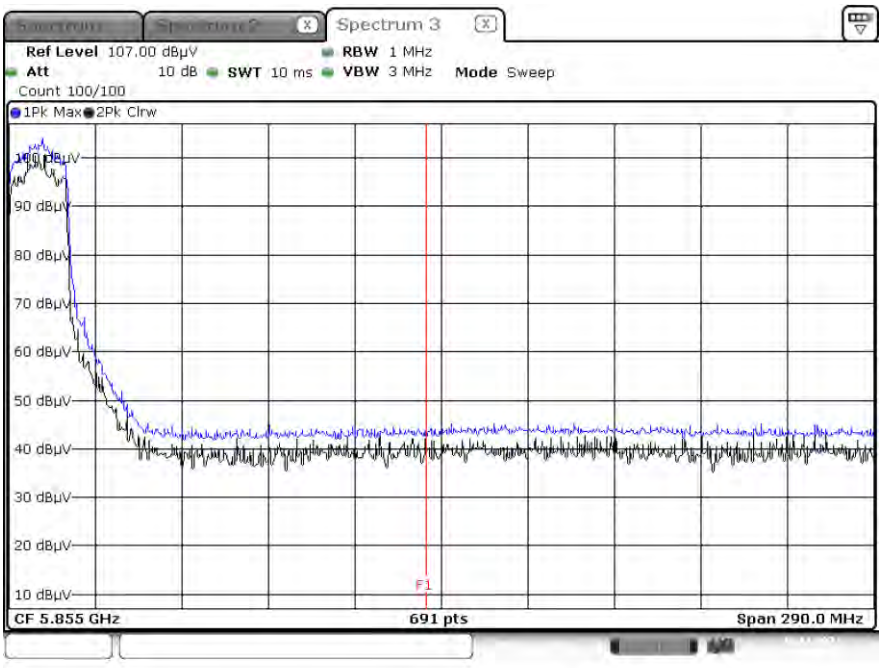
Note:

Only the worst case plots for Radiated Restricted Band Edge.

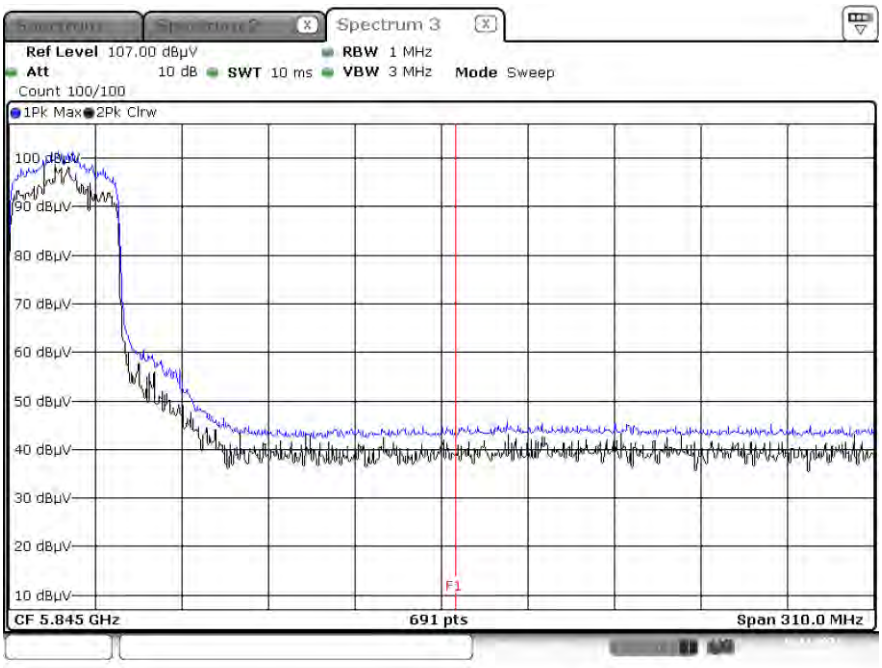
▣ Test Plots(Staraddle Channel)

[MIMO]

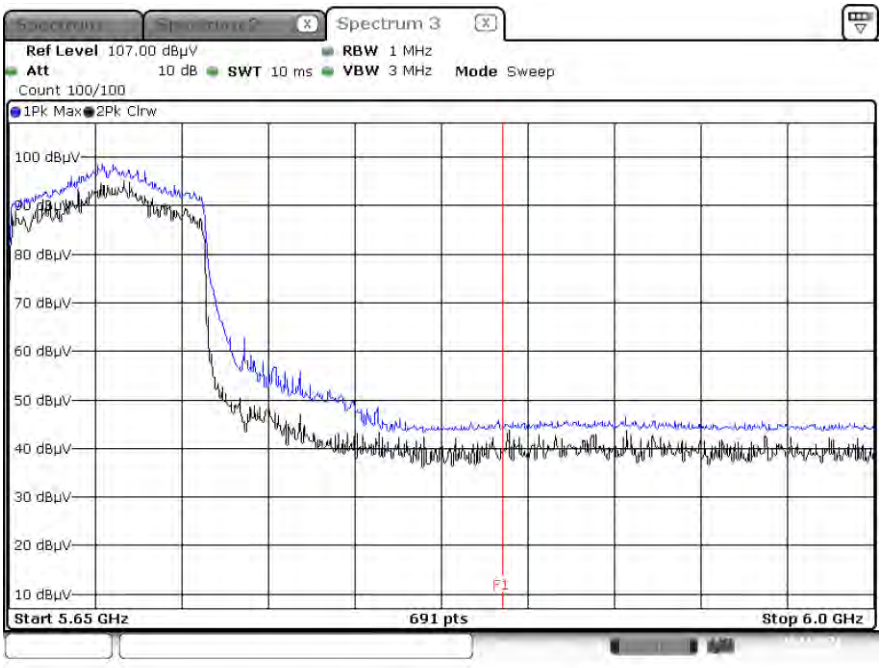
Peak result (802.11ax(HE20), Ch.144, SU, X-H)



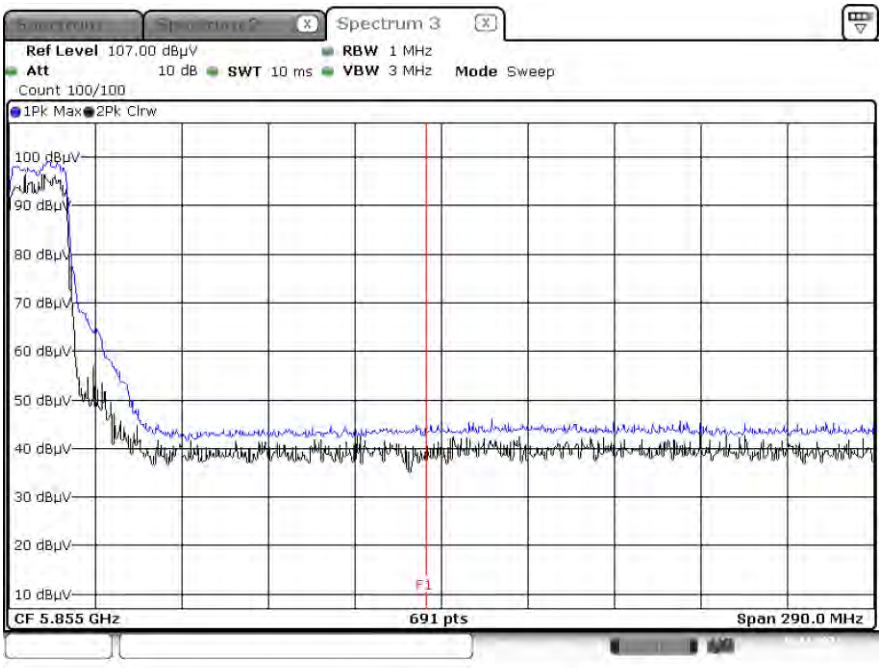
Peak result (802.11ax(HE40), Ch.142, SU, X-H)



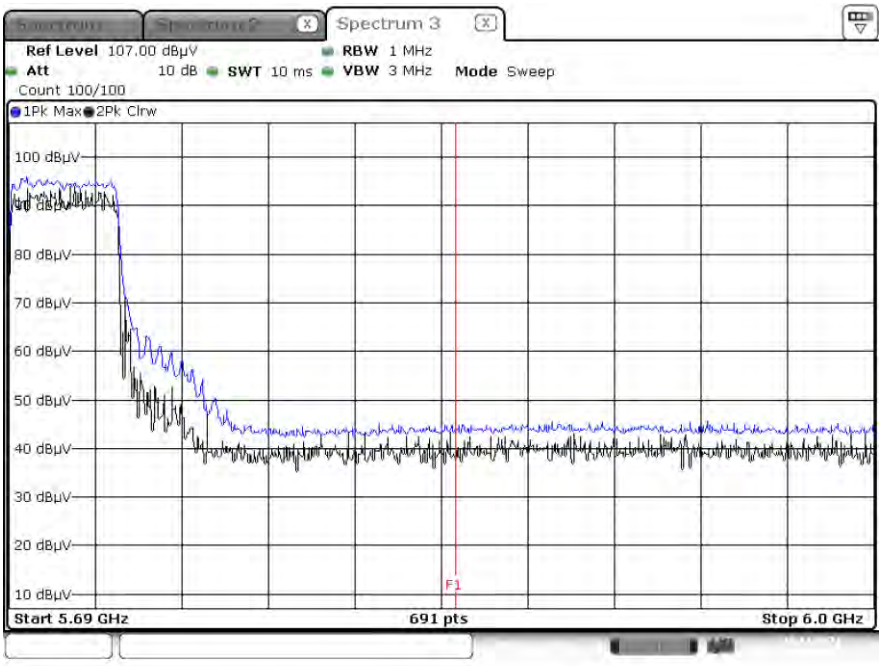
Peak result (802.11ax(HE80), Ch.138, SU, X-H)



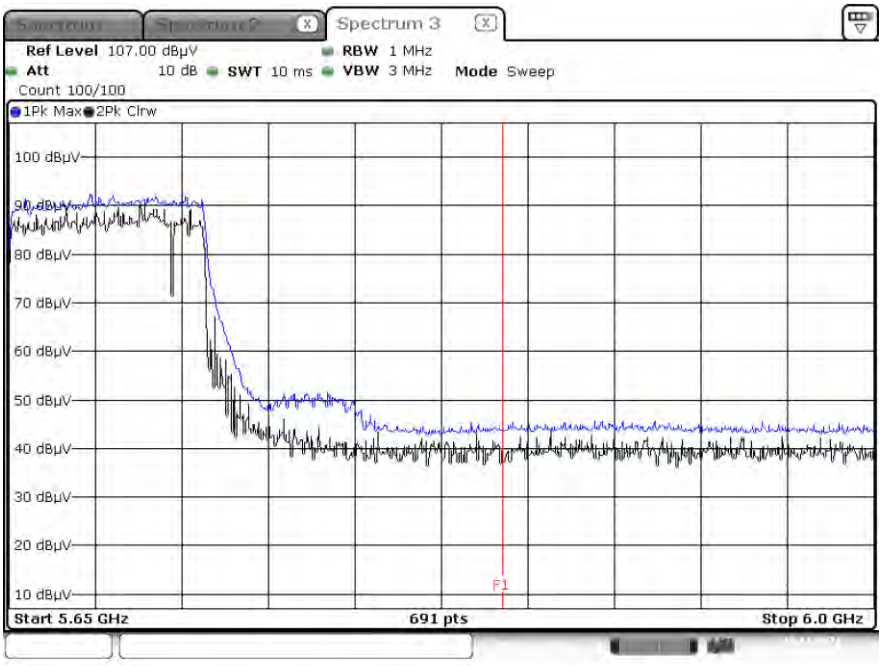
Peak result (802.11ax(HE20), Ch.144, 242 Tone RU 61, X-H)



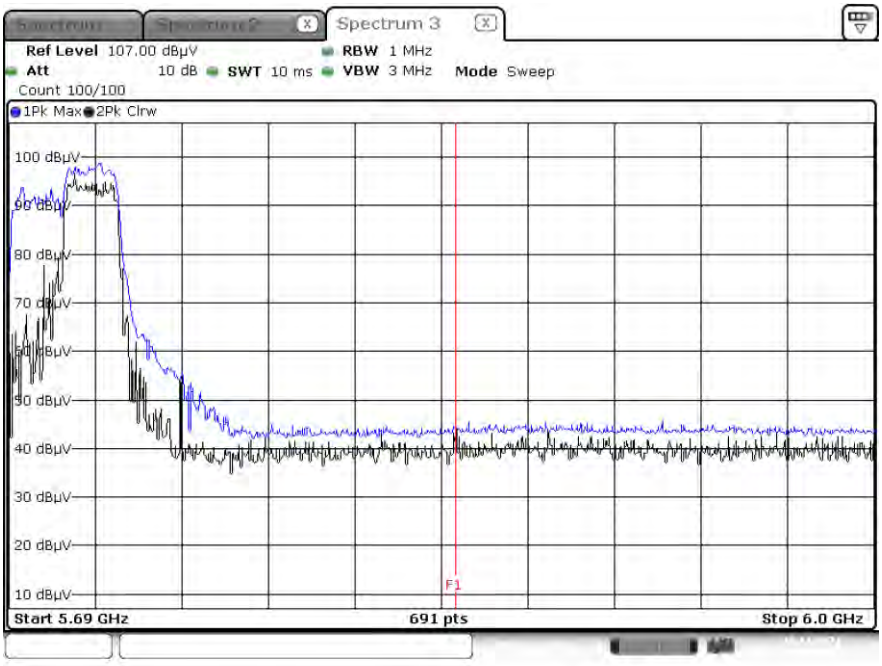
Peak result (802.11ax(HE40), Ch.142, 484 Tone RU 65, X-H)



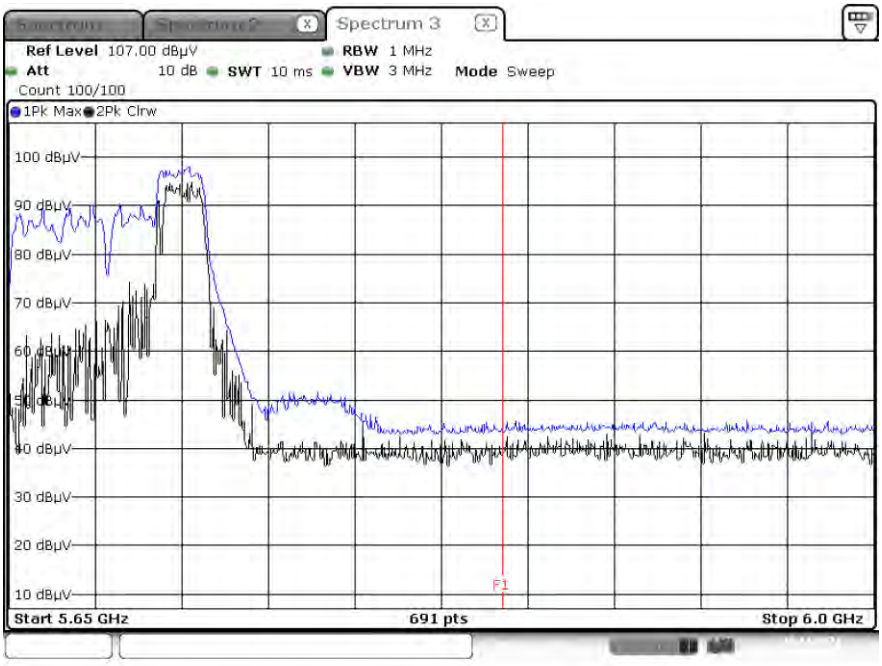
Peak result (802.11ax(HE80), Ch.138, 996 Tone RU 67, X-H)



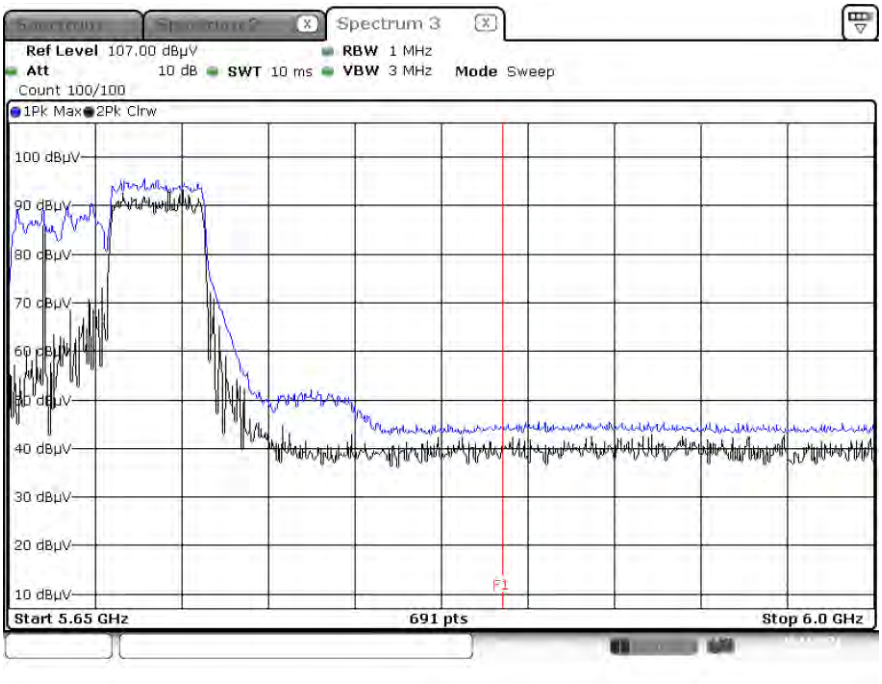
Peak result (802.11ax(HE20), Ch.142, 242 Tone RU 62, X-H)



Peak result (802.11ax(HE80), Ch.138, 242 Tone RU 64, X-H)



Peak result (802.11ax(HE80), Ch.138, 484 Tone RU 66, X-H)



Note :

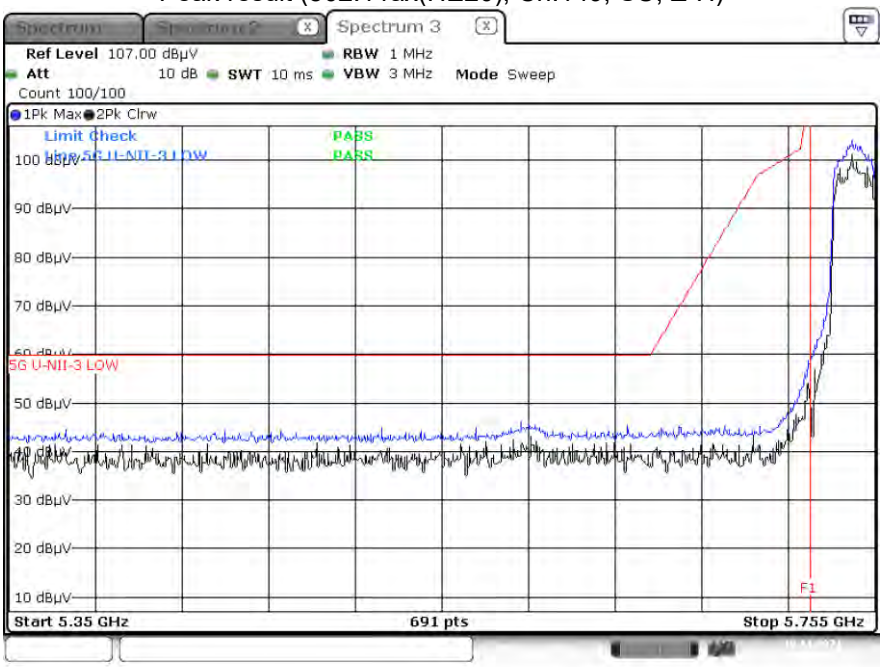
1. Only the worst case plots for Radiated Restricted Band Edge.
2. Red line : 5850 MHz
3. Ambient Noise (Because of ambient noise, We attached only the worst plot without a data table)

▣ Test Plots(UNII 3)

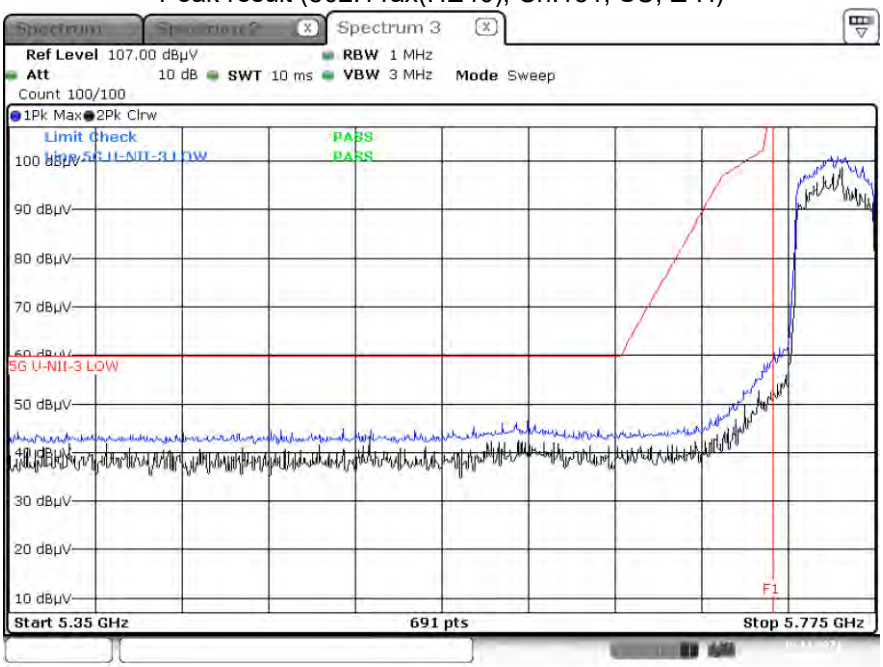
[MIMO]

Low Edge

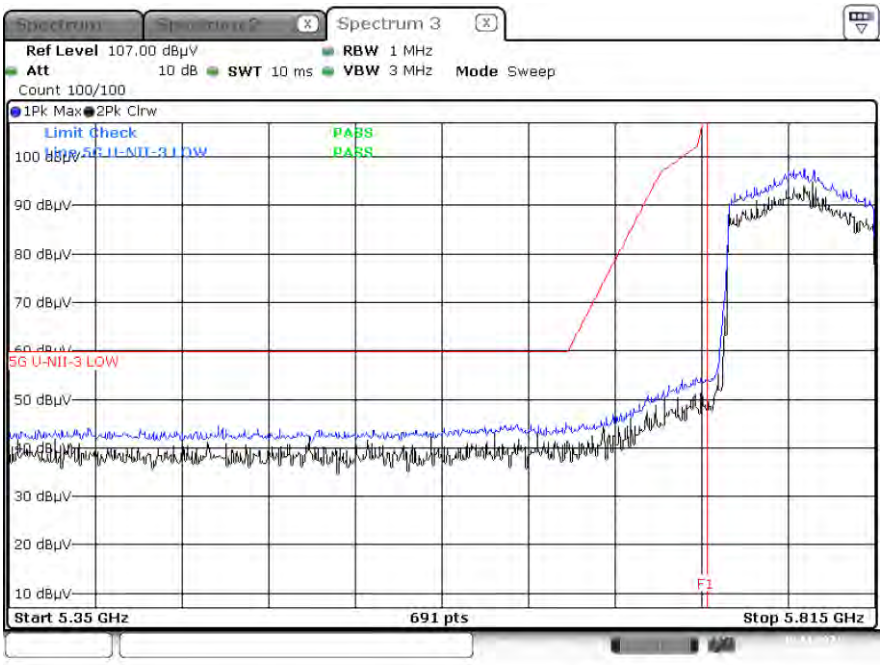
Peak result (802.11ax(HE20), Ch.149, SU, Z-H)



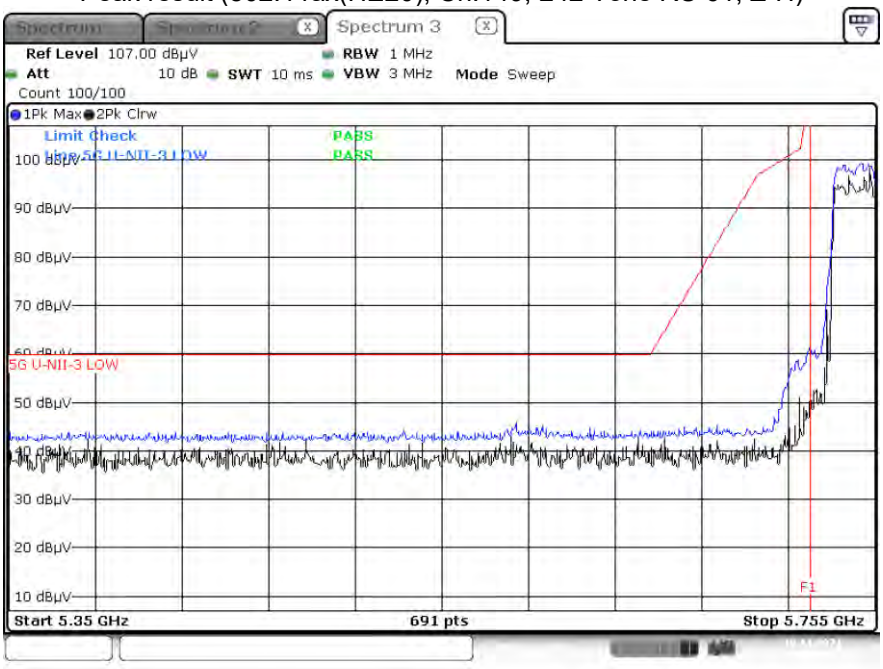
Peak result (802.11ax(HE40), Ch.151, SU, Z-H)



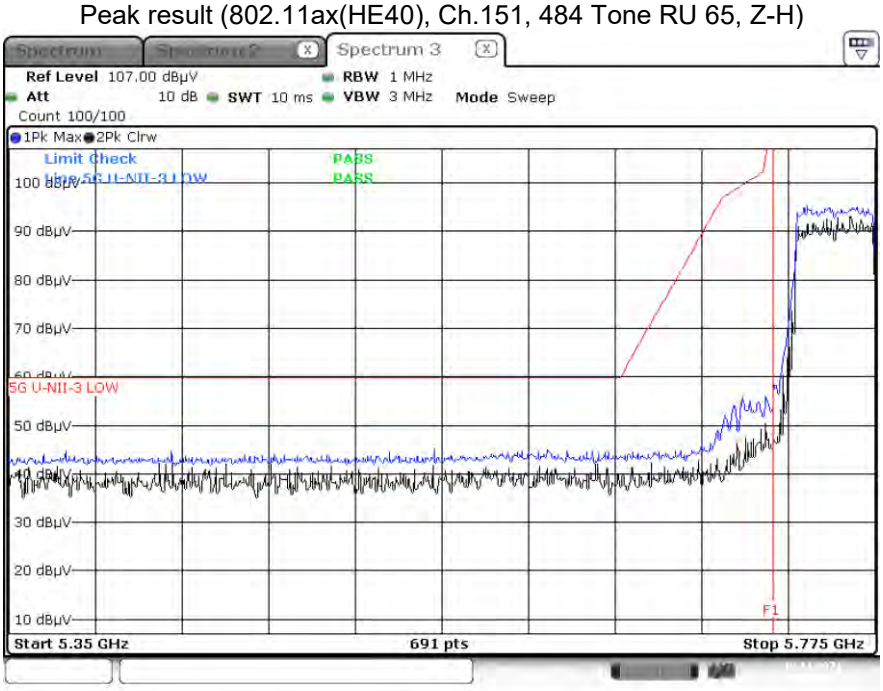
Peak result (802.11ax(HE80), Ch.155, SU, Z-H)



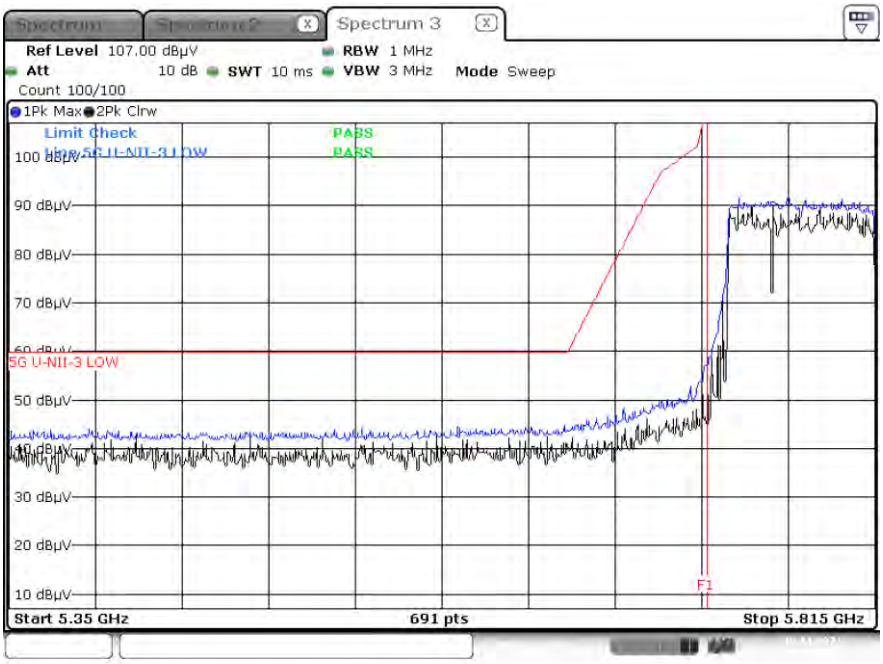
Peak result (802.11ax(HE20), Ch.149, 242 Tone RU 61, Z-H)



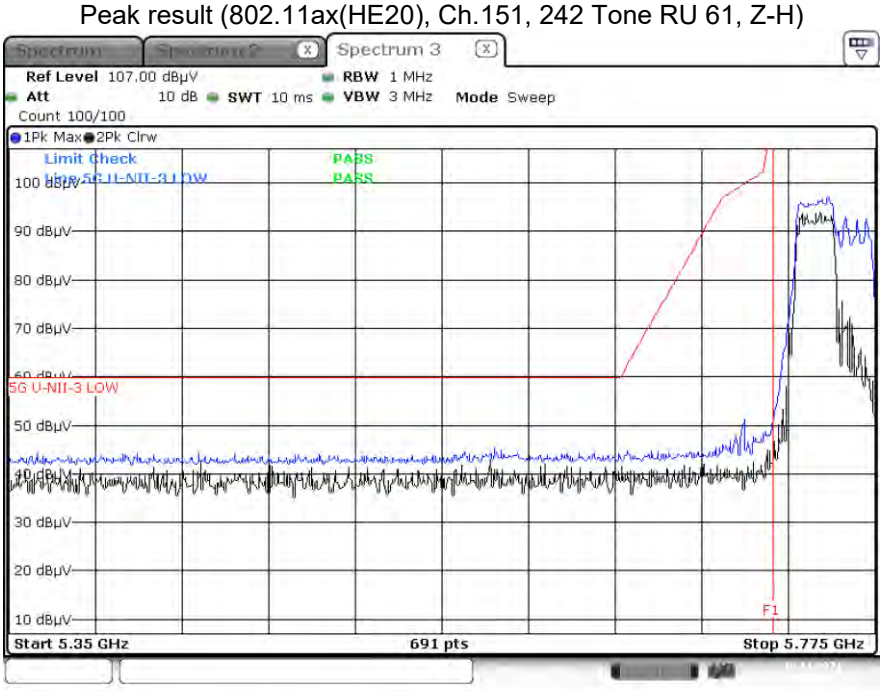
Peak result (802.11ax(HE40), Ch.151, 484 Tone RU 65, Z-H)



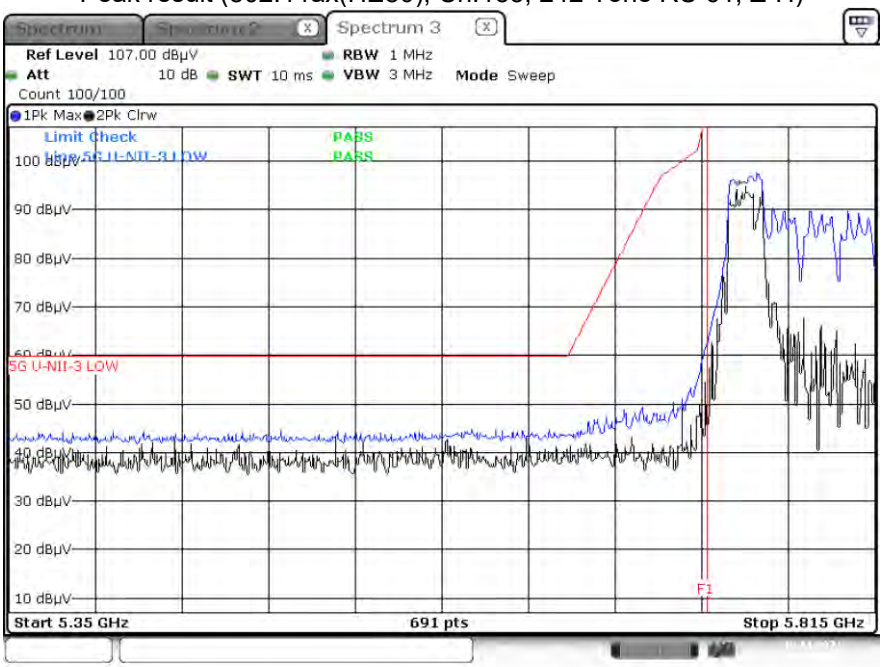
Peak result (802.11ax(HE80), Ch.155, 996 Tone RU 67, Z-H)



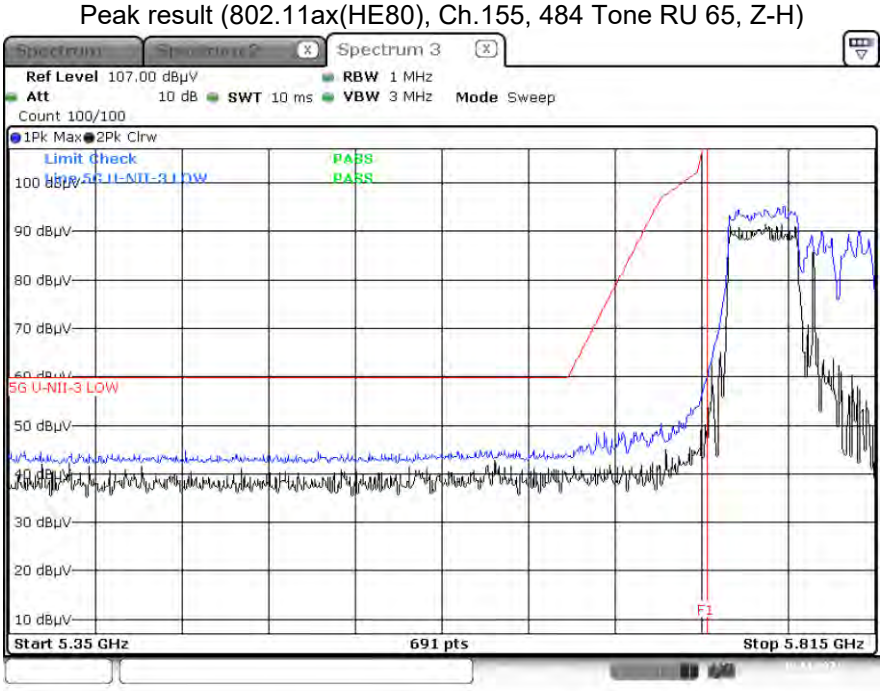
Peak result (802.11ax(HE20), Ch.151, 242 Tone RU 61, Z-H)



Peak result (802.11ax(HE80), Ch.155, 242 Tone RU 61, Z-H)

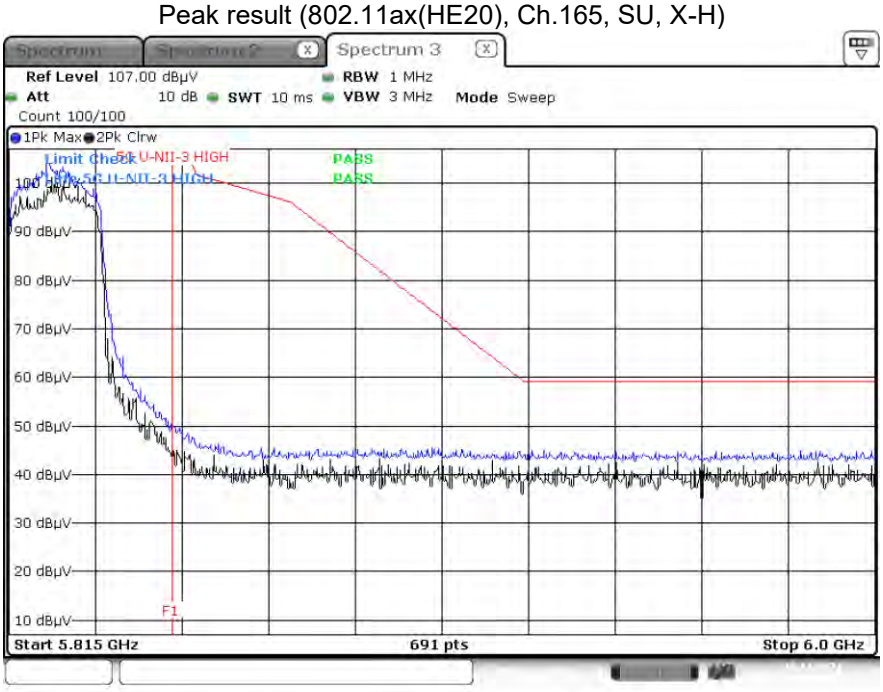


Peak result (802.11ax(HE80), Ch.155, 484 Tone RU 65, Z-H)

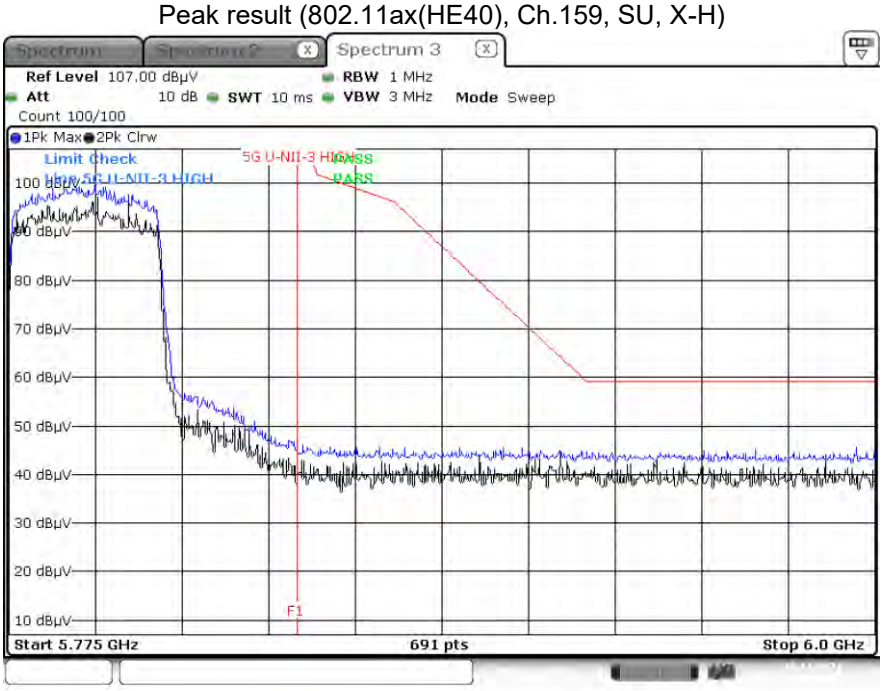


High Edge

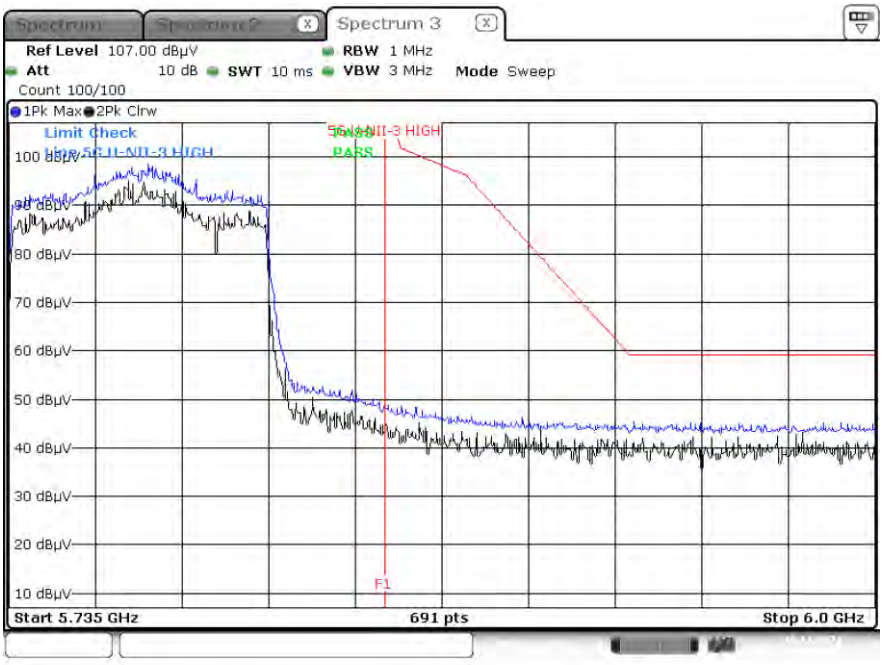
Peak result (802.11ax(HE20), Ch.165, SU, X-H)



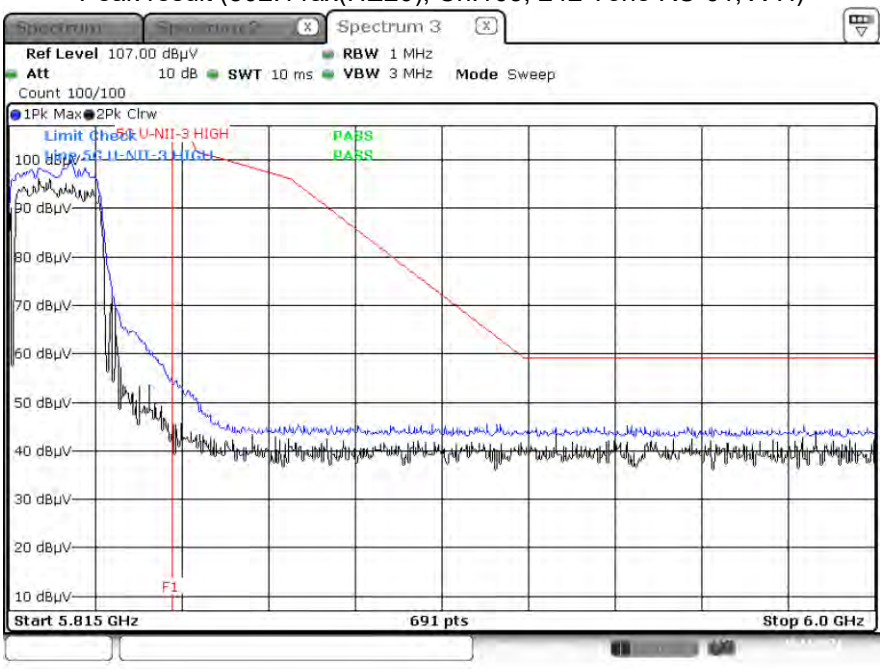
Peak result (802.11ax(HE40), Ch.159, SU, X-H)



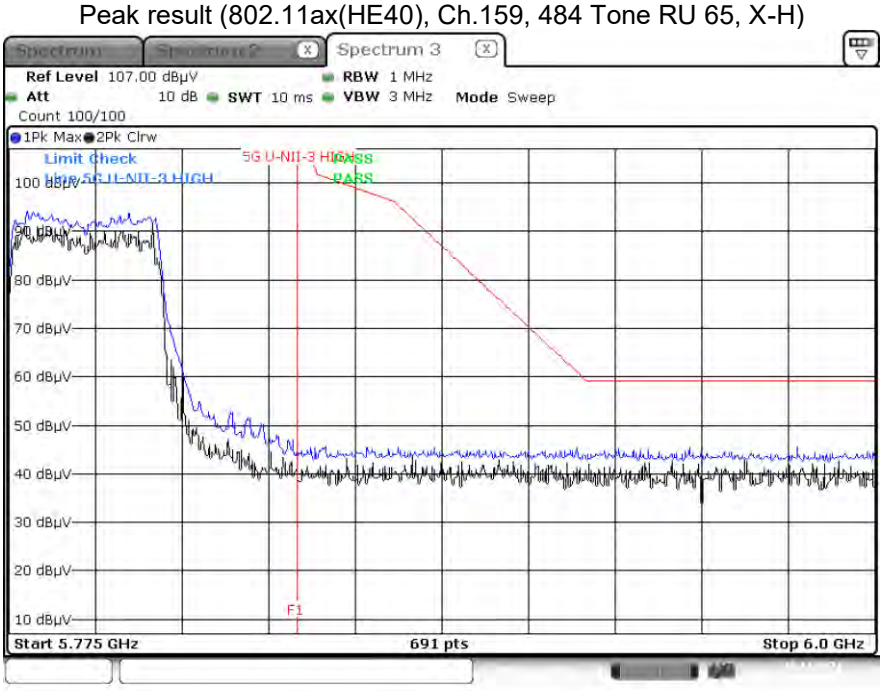
Peak result (802.11ax(HE80), Ch.155, SU, X-H)



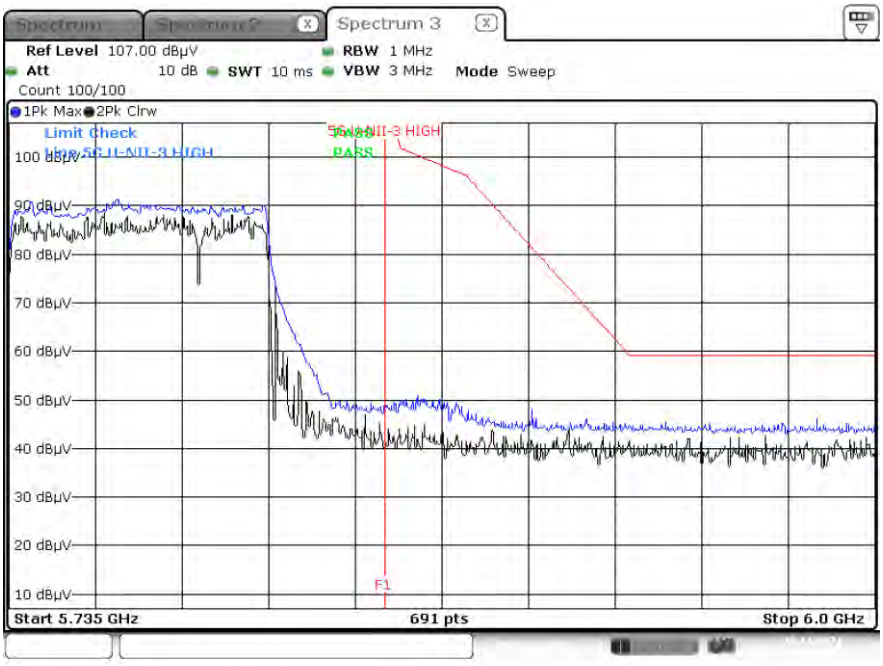
Peak result (802.11ax(HE20), Ch.165, 242 Tone RU 61, X-H)



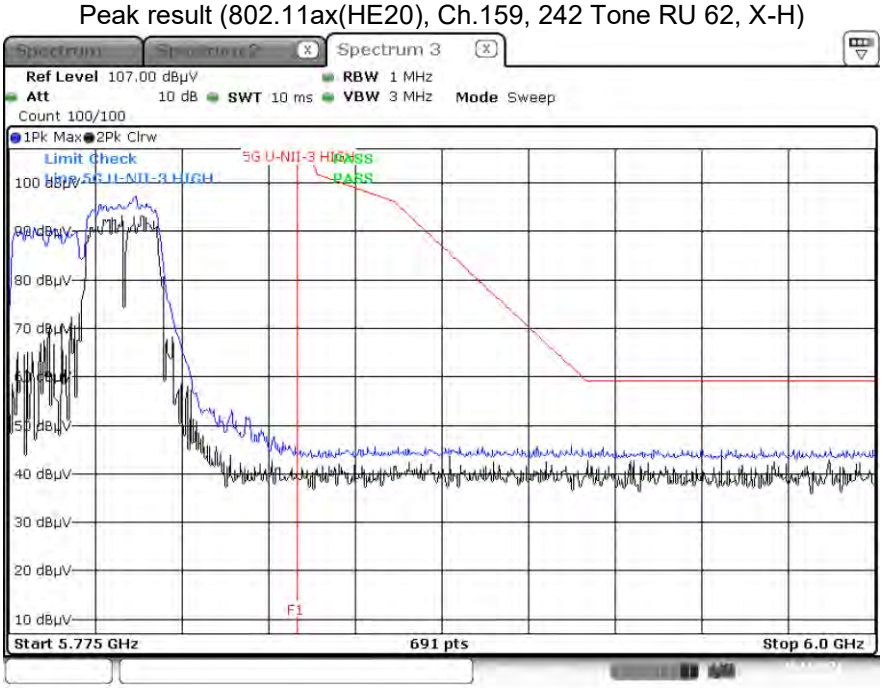
Peak result (802.11ax(HE40), Ch.159, 484 Tone RU 65, X-H)



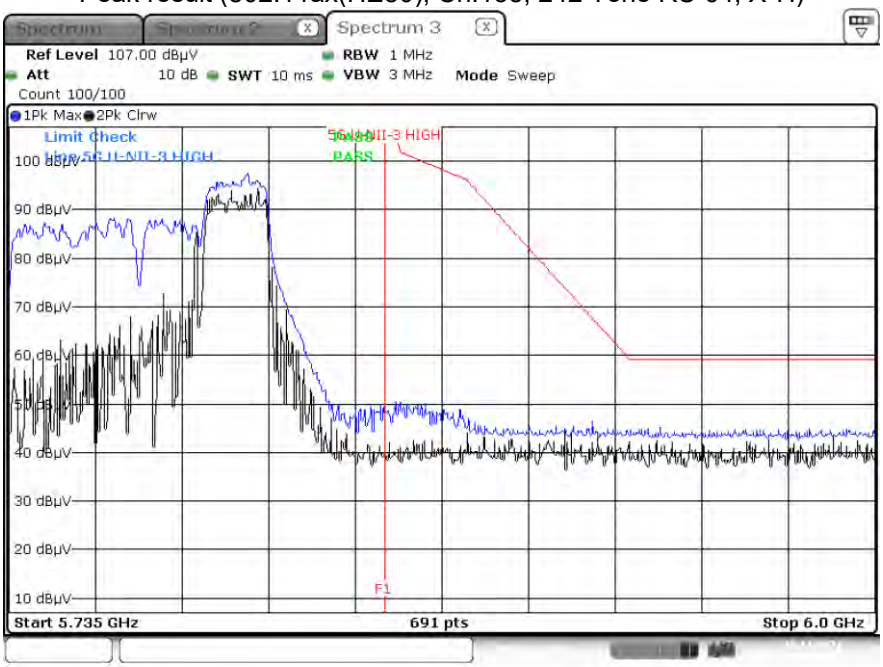
Peak result (802.11ax(HE80), Ch.155, 996 Tone RU 67, X-H)



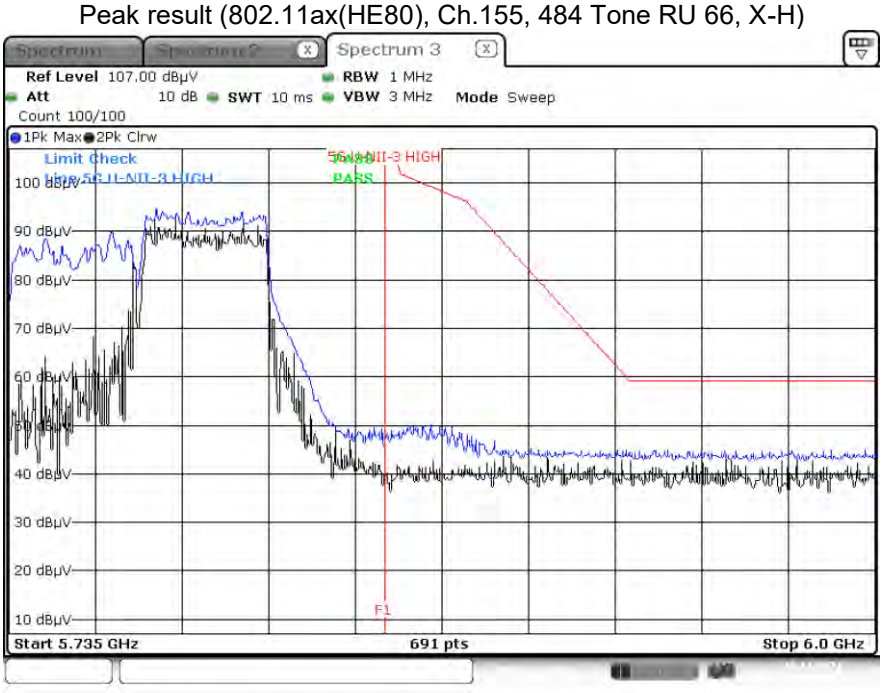
Peak result (802.11ax(HE20), Ch.159, 242 Tone RU 62, X-H)



Peak result (802.11ax(HE80), Ch.155, 242 Tone RU 64, X-H)



Peak result (802.11ax(HE80), Ch.155, 484 Tone RU 66, X-H)



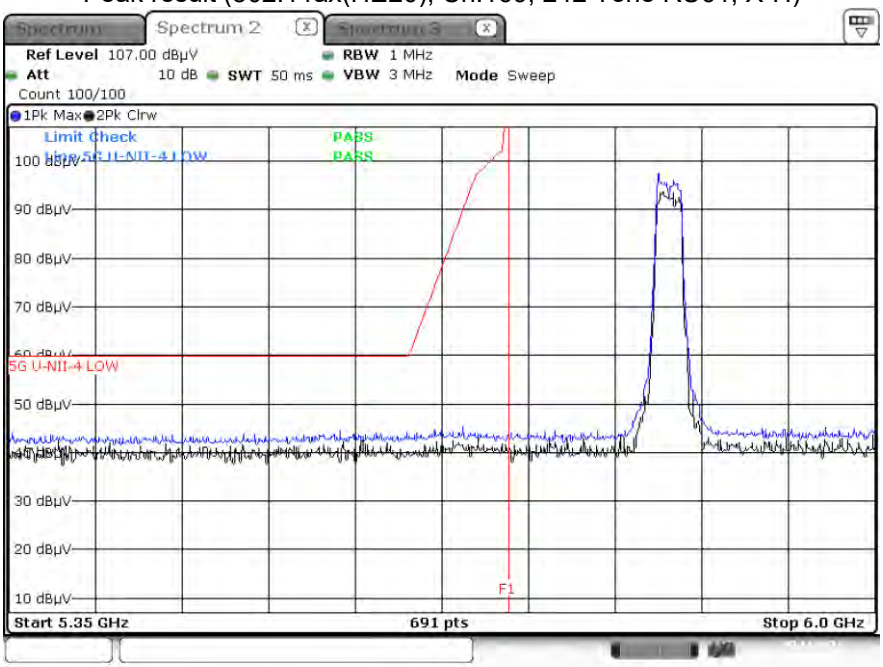
Note :

1. Only the worst case plots for U-NII-3 Out of Band e.i.r.p Emission.
2. U-NII-3 Low & High Band Edge RedLine is Final Test Limit about factor value compensation.

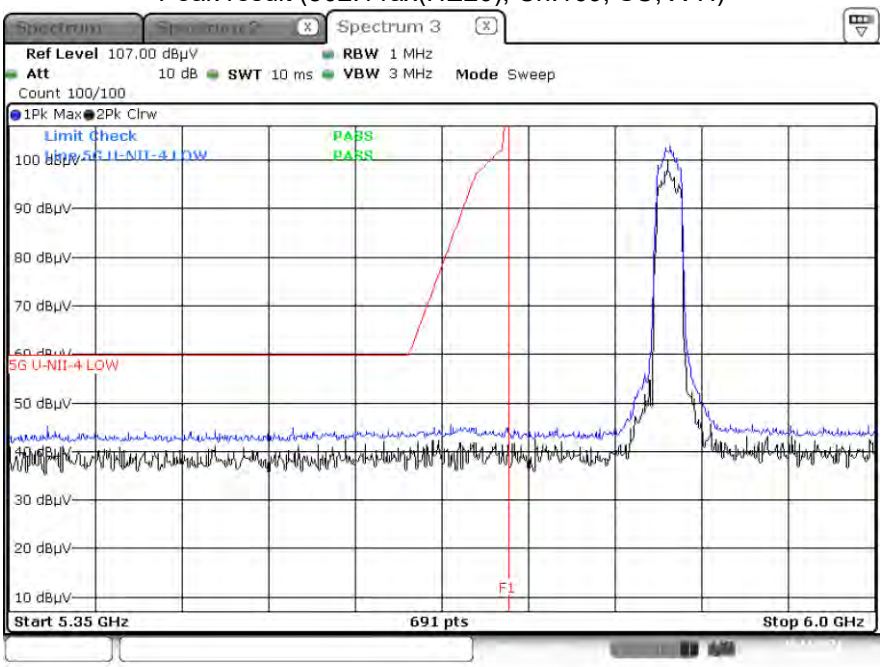
▣ Test Plots(UNII 4)

[MIMO]

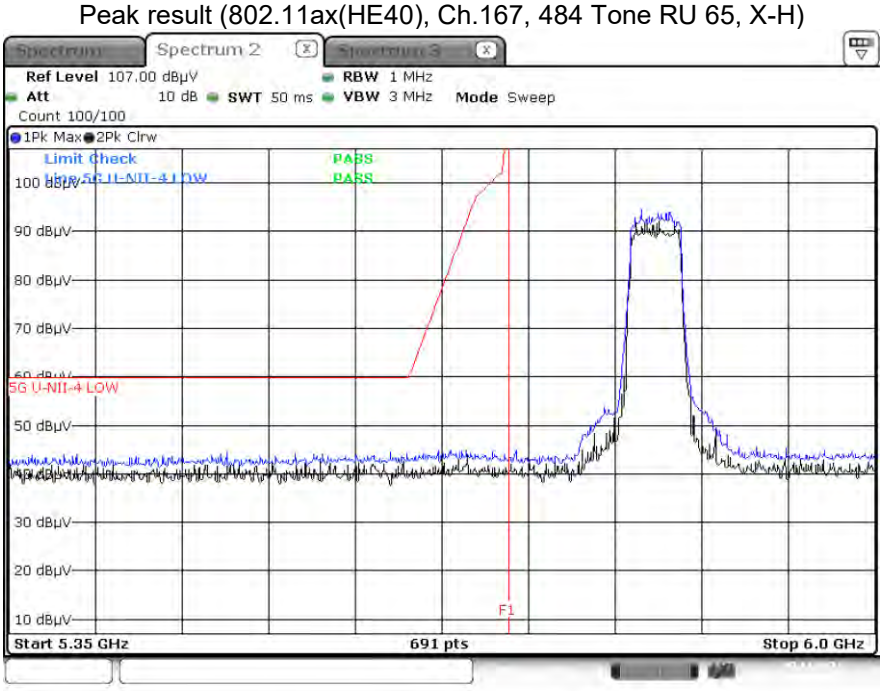
Peak result (802.11ax(HE20), Ch.169, 242 Tone RU61, X-H)



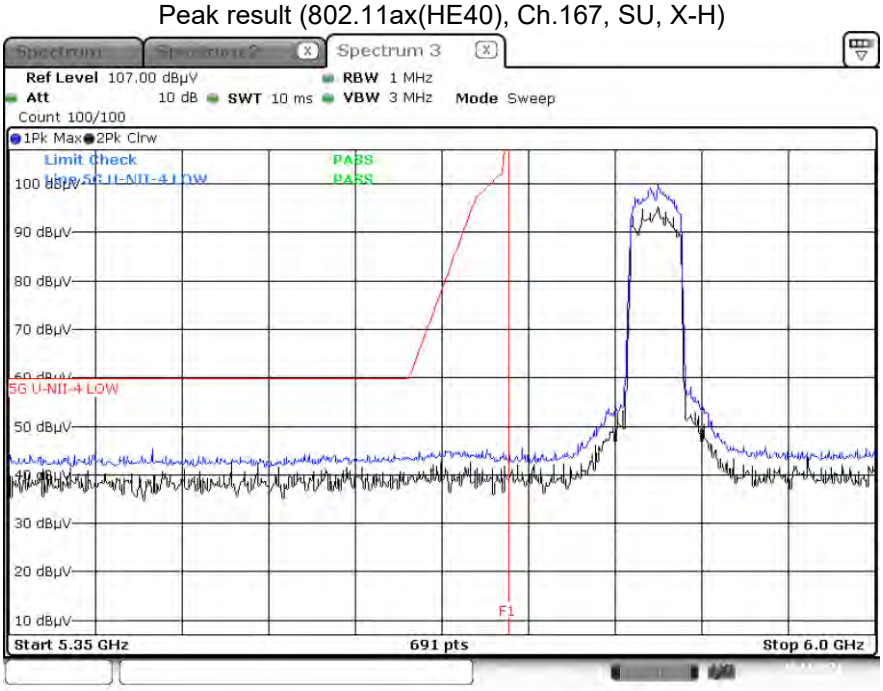
Peak result (802.11ax(HE20), Ch.169, SU, X-H)



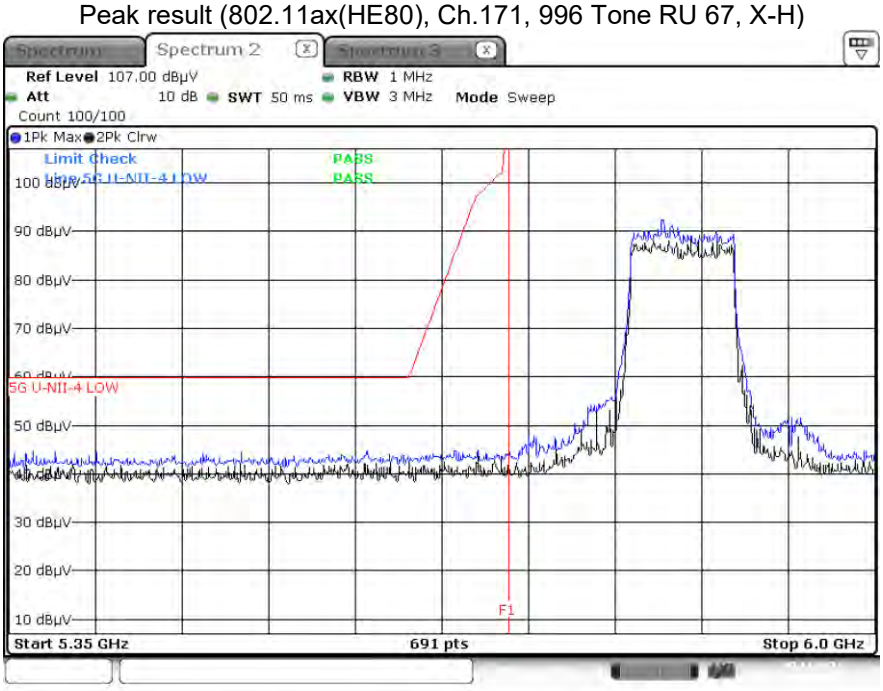
Peak result (802.11ax(HE40), Ch.167, 484 Tone RU 65, X-H)



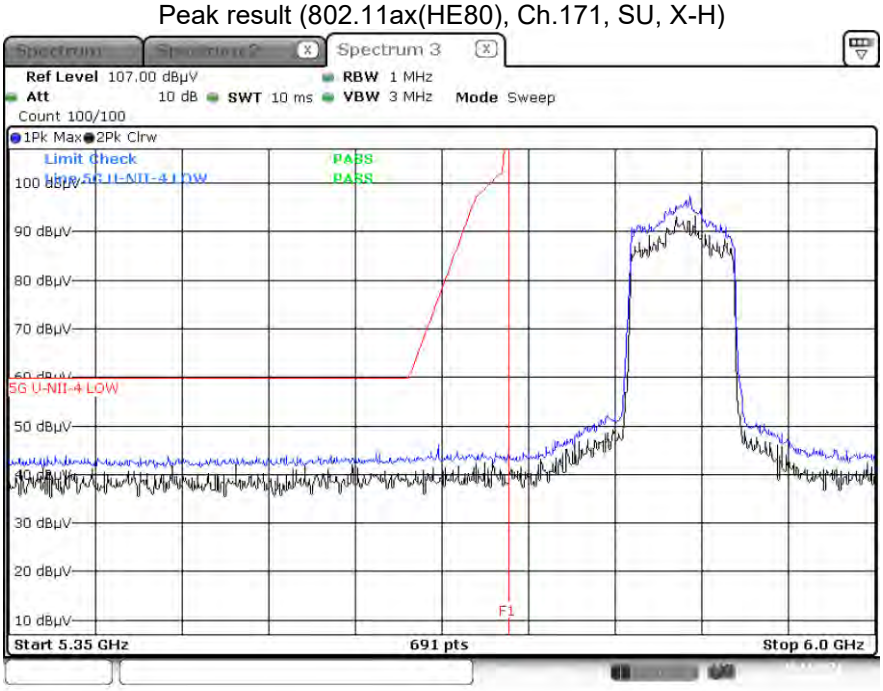
Peak result (802.11ax(HE40), Ch.167, SU, X-H)



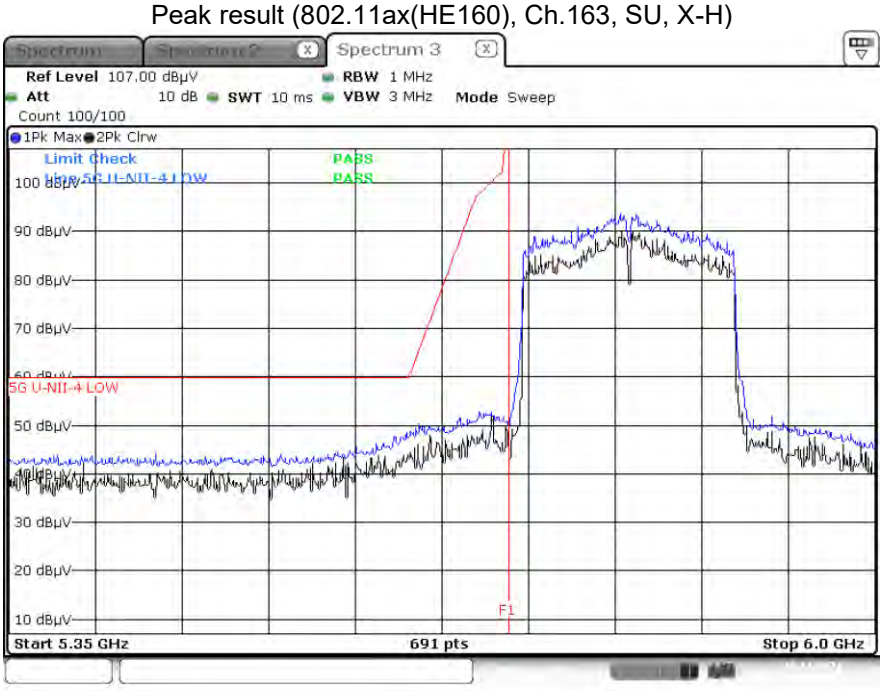
Peak result (802.11ax(HE80), Ch.171, 996 Tone RU 67, X-H)



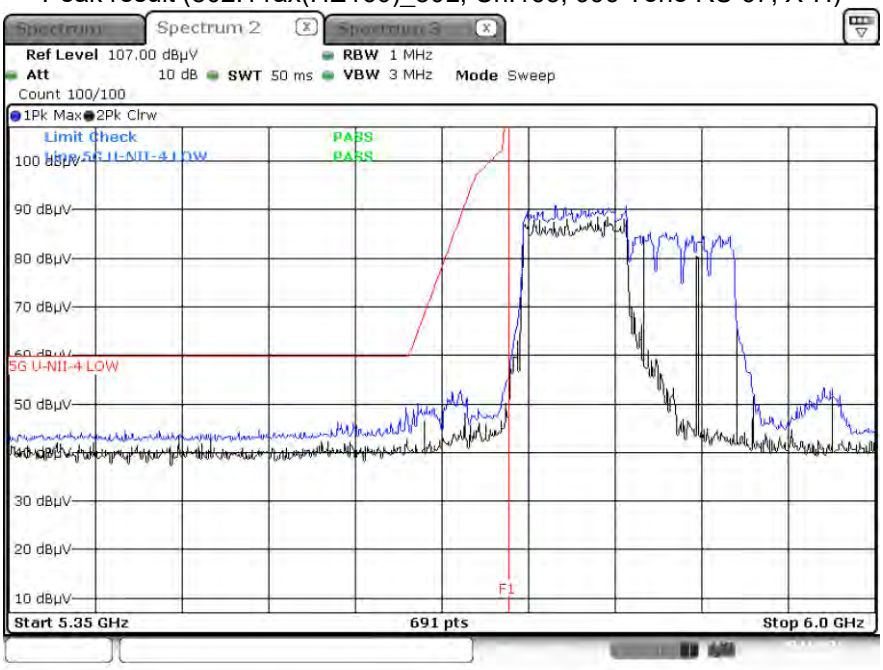
Peak result (802.11ax(HE80), Ch.171, SU, X-H)



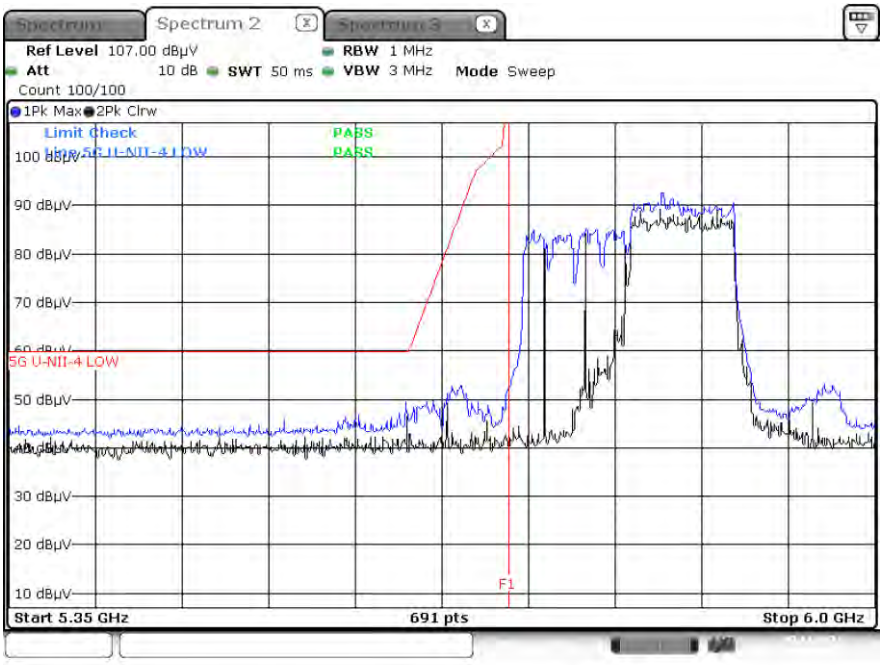
Peak result (802.11ax(HE160), Ch.163, SU, X-H)



Peak result (802.11ax(HE160)_80L, Ch.163, 996 Tone RU 67, X-H)



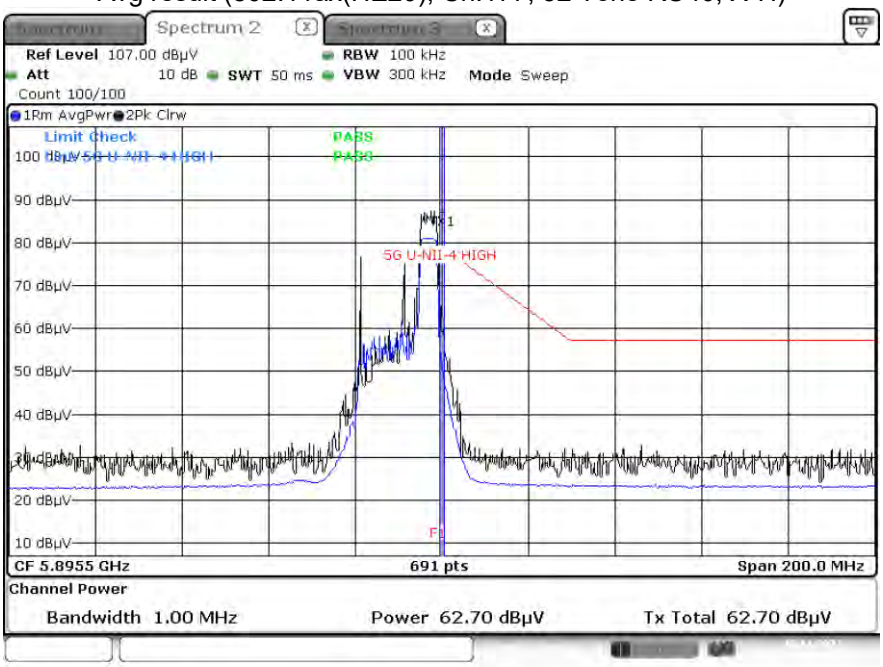
Peak result (802.11ax(HE160)_80U, Ch.163, 996 Tone RU 67, X-H)



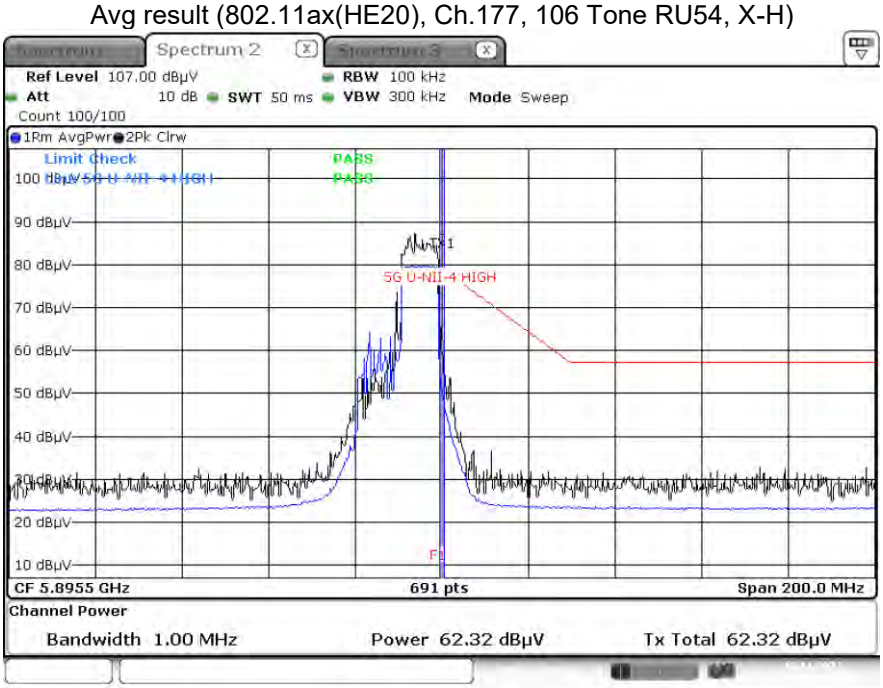
[Average result]

Avg result (802.11ax(HE20), Ch.177, 26 Tone RU8, X-H)

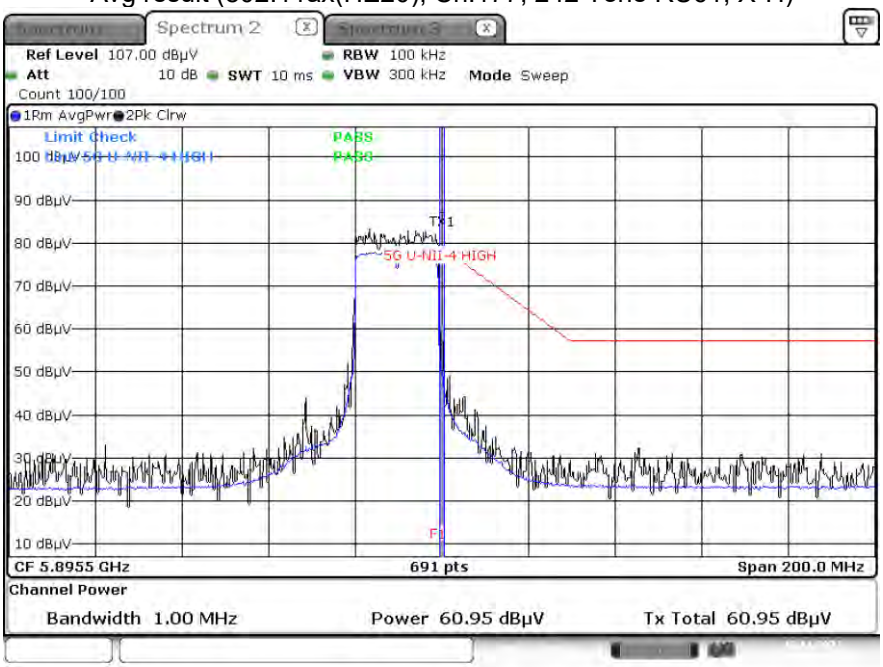
Avg result (802.11ax(HE20), Ch.177, 52 Tone RU40, X-H)



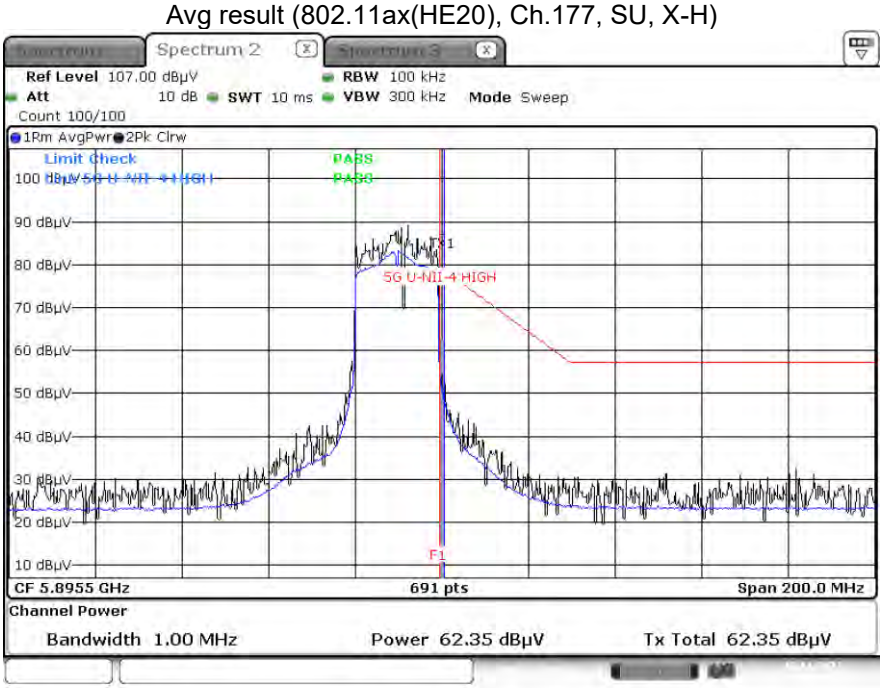
Avg result (802.11ax(HE20), Ch.177, 106 Tone RU54, X-H)



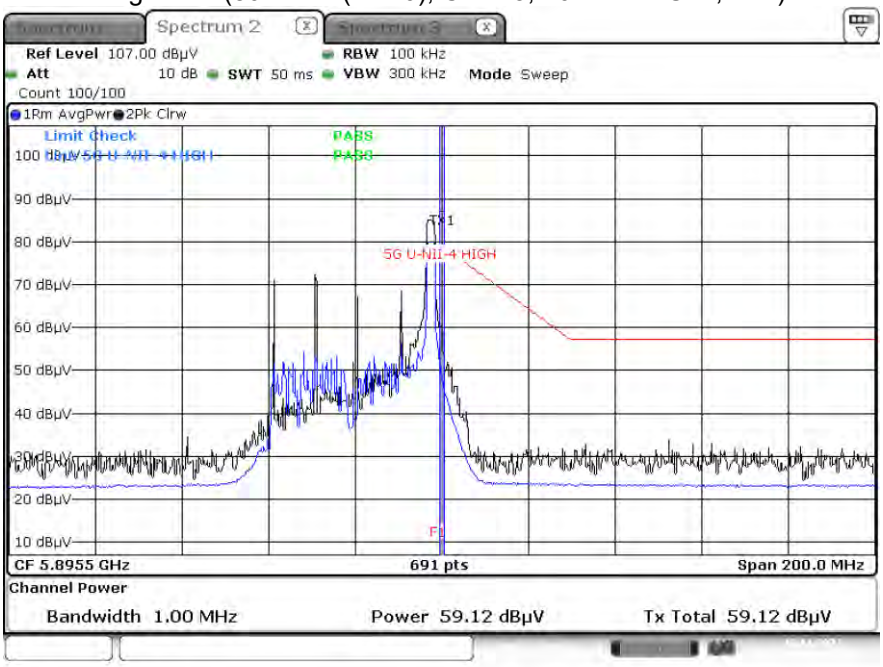
Avg result (802.11ax(HE20), Ch.177, 242 Tone RU61, X-H)



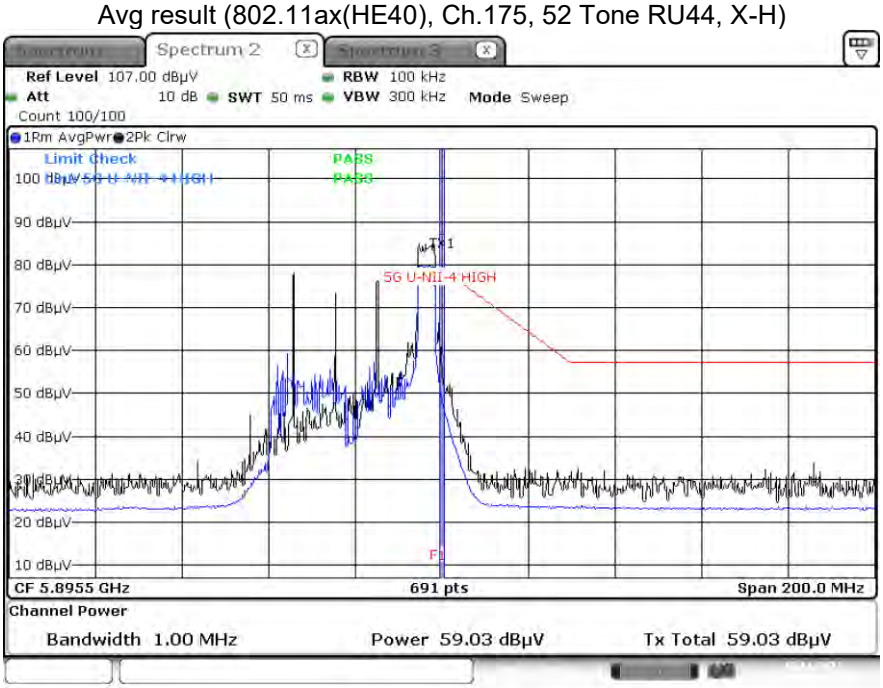
Avg result (802.11ax(HE20), Ch.177, SU, X-H)



Avg result (802.11ax(HE40), Ch.175, 26 Tone RU17, X-H)

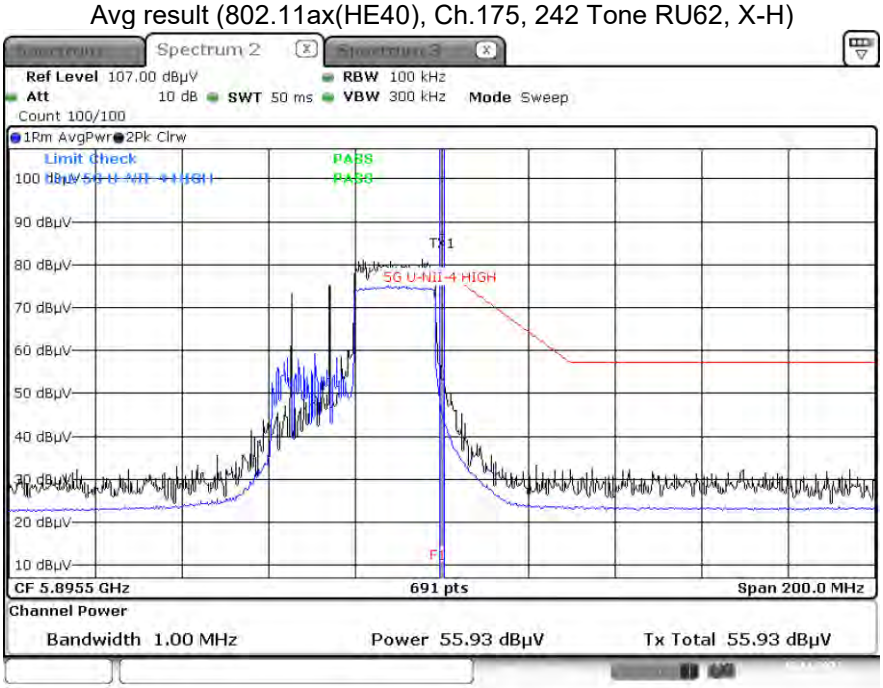


Avg result (802.11ax(HE40), Ch.175, 52 Tone RU44, X-H)

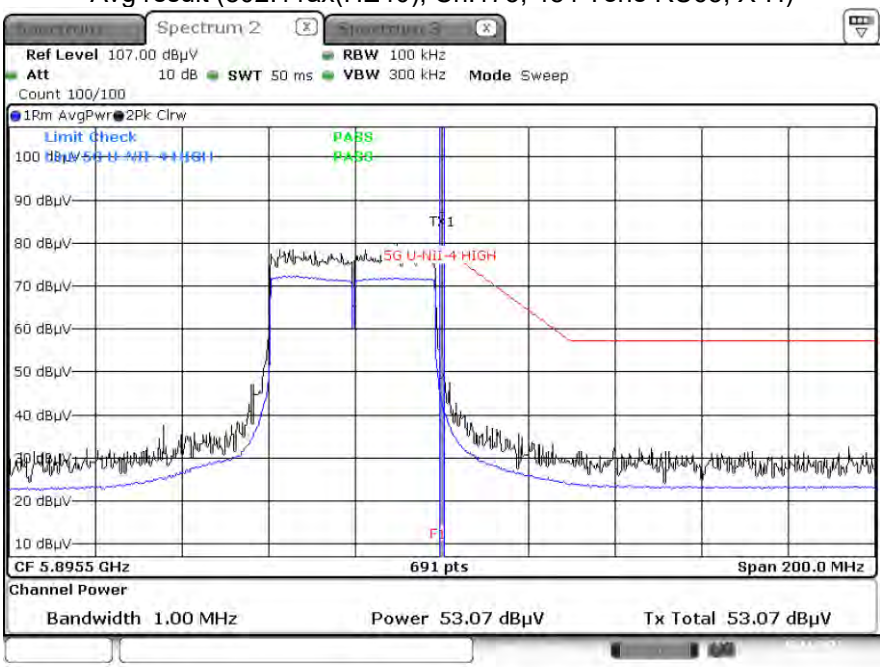


Avg result (802.11ax(HE40), Ch.175, 106 Tone RU56, X-H)

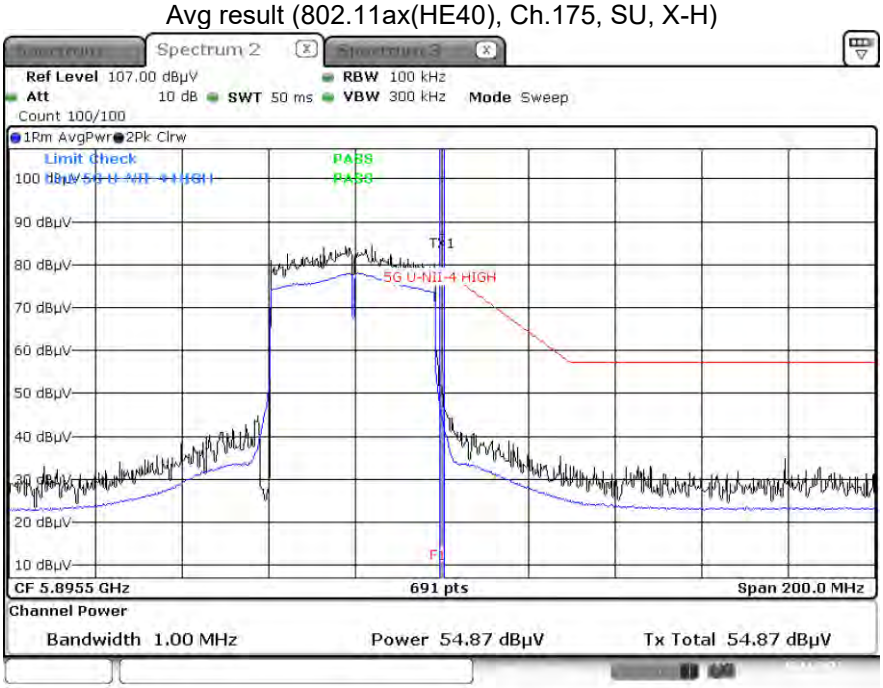
Avg result (802.11ax(HE40), Ch.175, 242 Tone RU62, X-H)



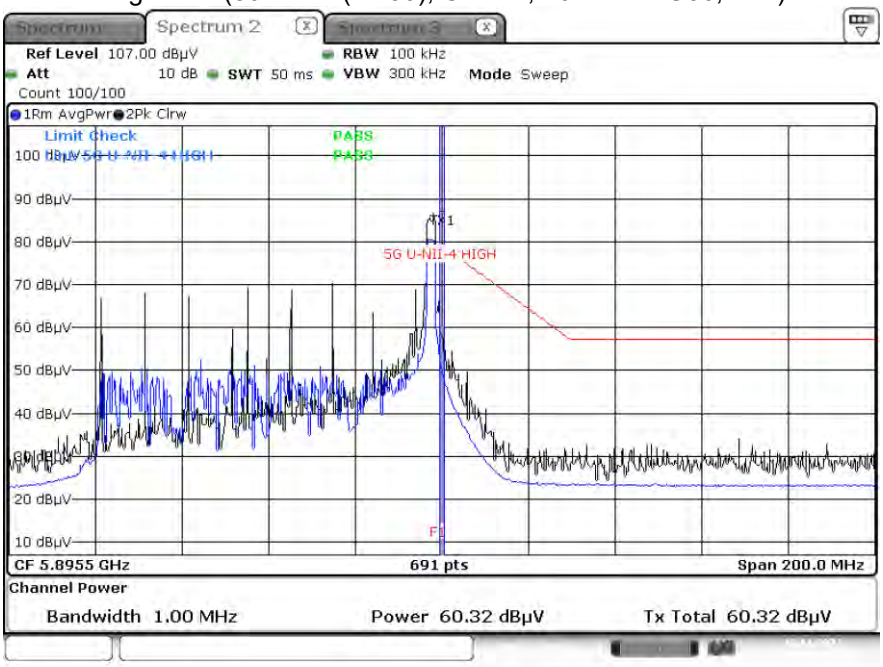
Avg result (802.11ax(HE40), Ch.175, 484 Tone RU65, X-H)



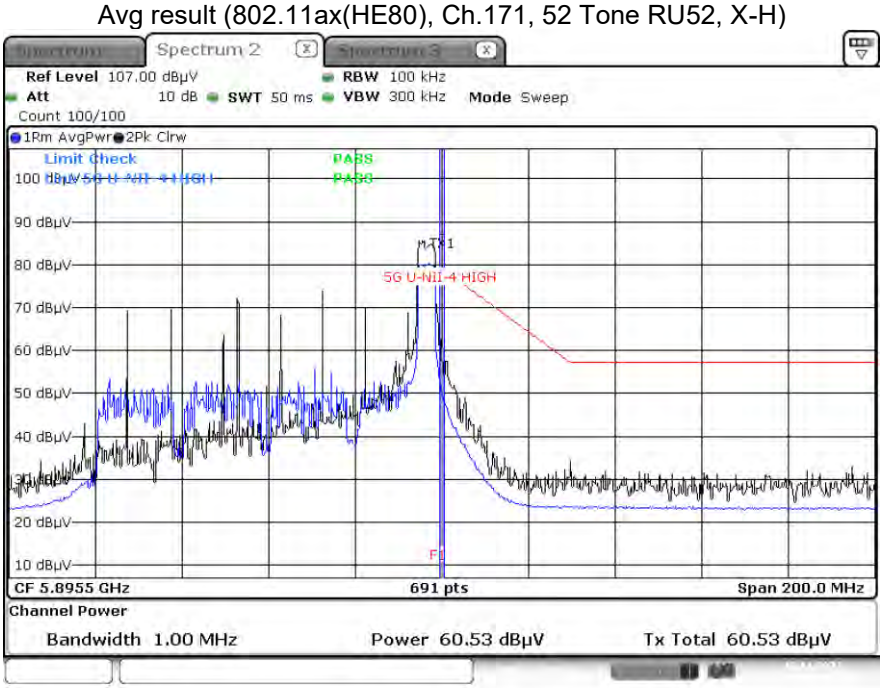
Avg result (802.11ax(HE40), Ch.175, SU, X-H)



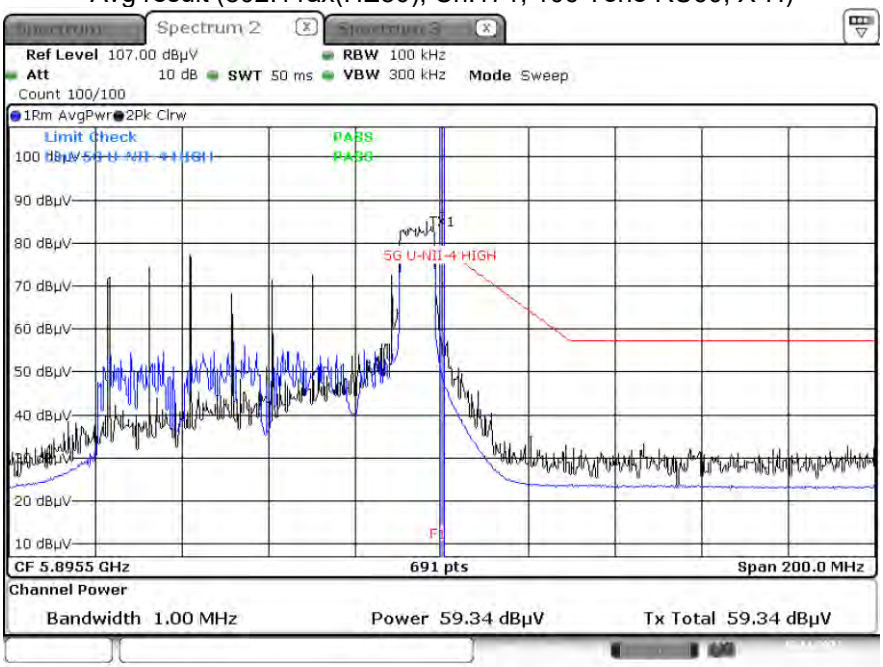
Avg result (802.11ax(HE80), Ch.171, 26 Tone RU36, X-H)



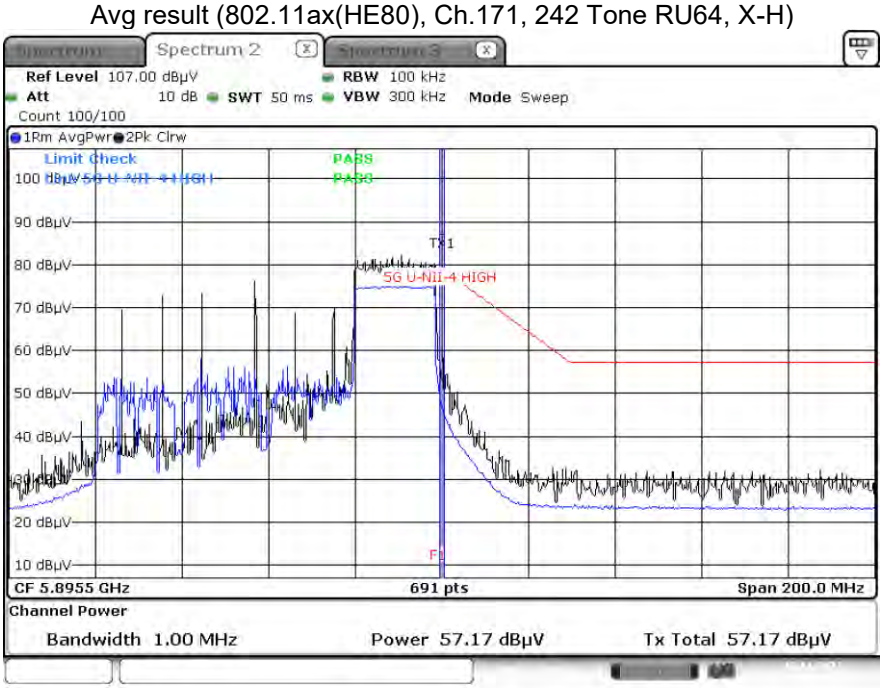
Avg result (802.11ax(HE80), Ch.171, 52 Tone RU52, X-H)



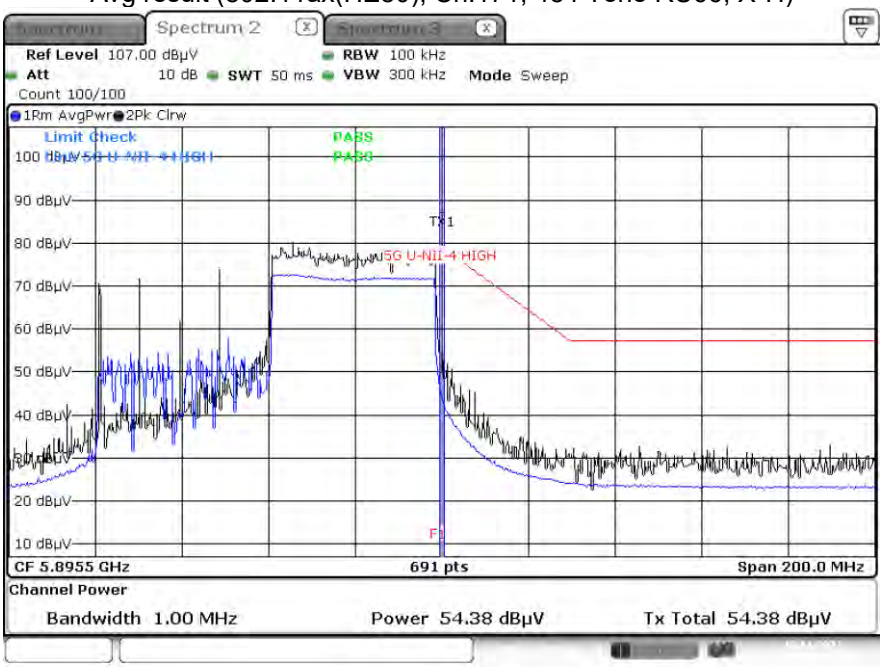
Avg result (802.11ax(HE80), Ch.171, 106 Tone RU60, X-H)



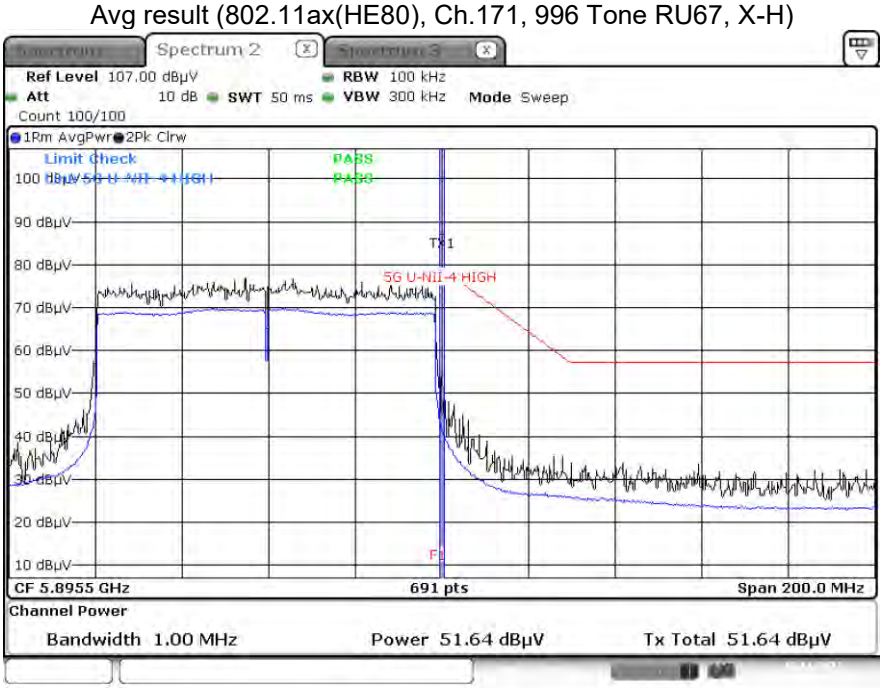
Avg result (802.11ax(HE80), Ch.171, 242 Tone RU64, X-H)



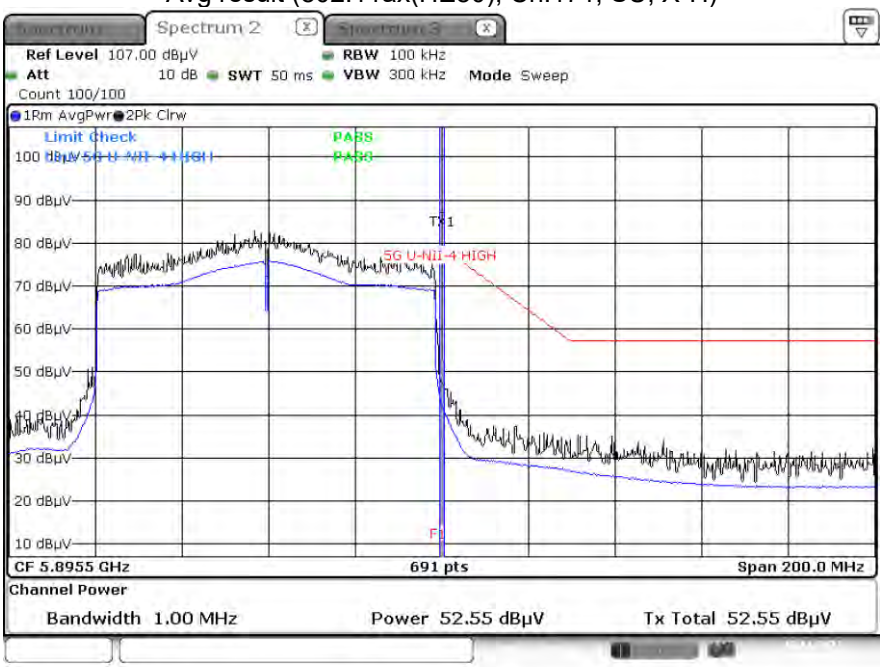
Avg result (802.11ax(HE80), Ch.171, 484 Tone RU66, X-H)



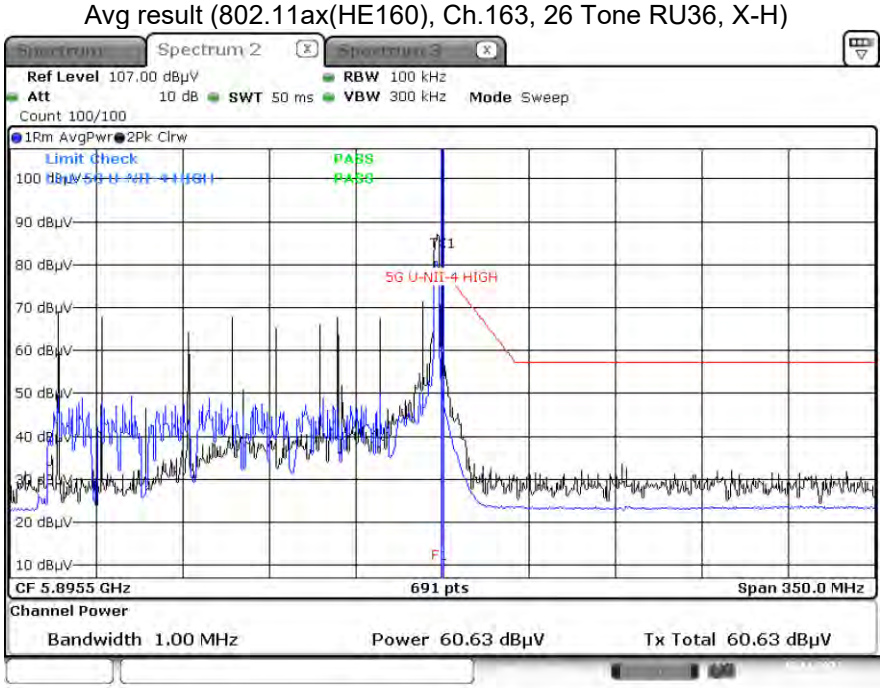
Avg result (802.11ax(HE80), Ch.171, 996 Tone RU67, X-H)



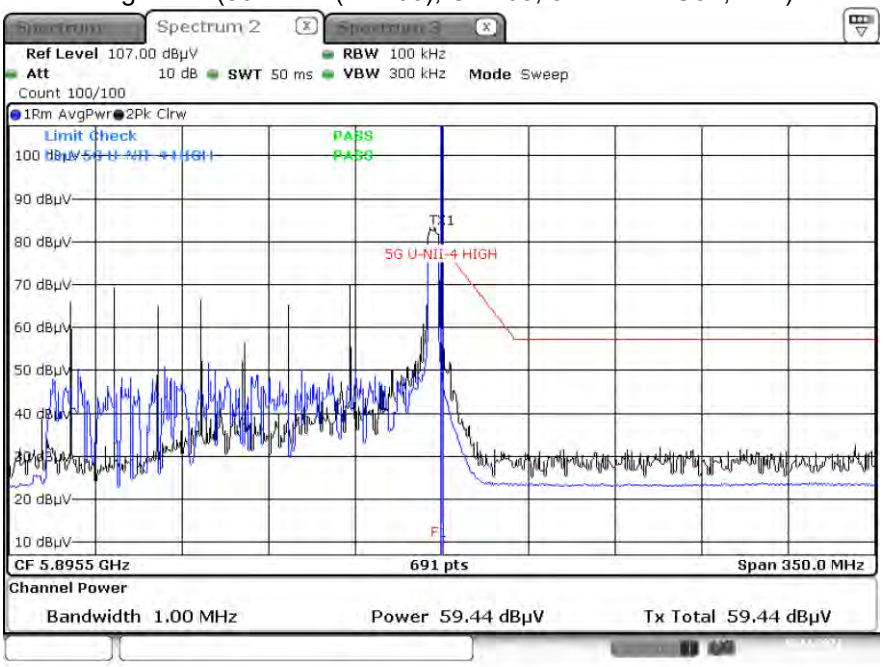
Avg result (802.11ax(HE80), Ch.171, SU, X-H)



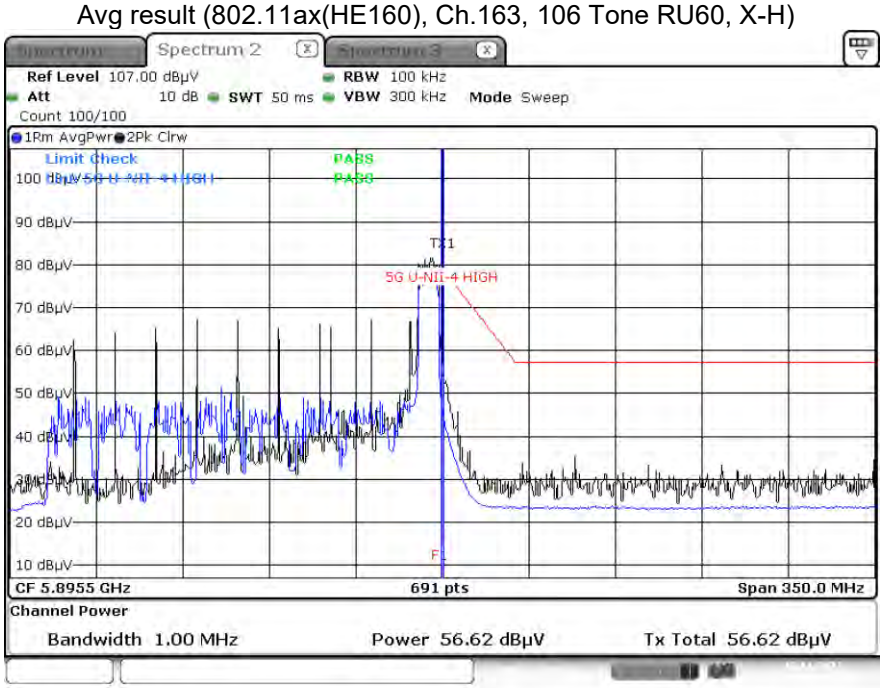
Avg result (802.11ax(HE160), Ch.163, 26 Tone RU36, X-H)



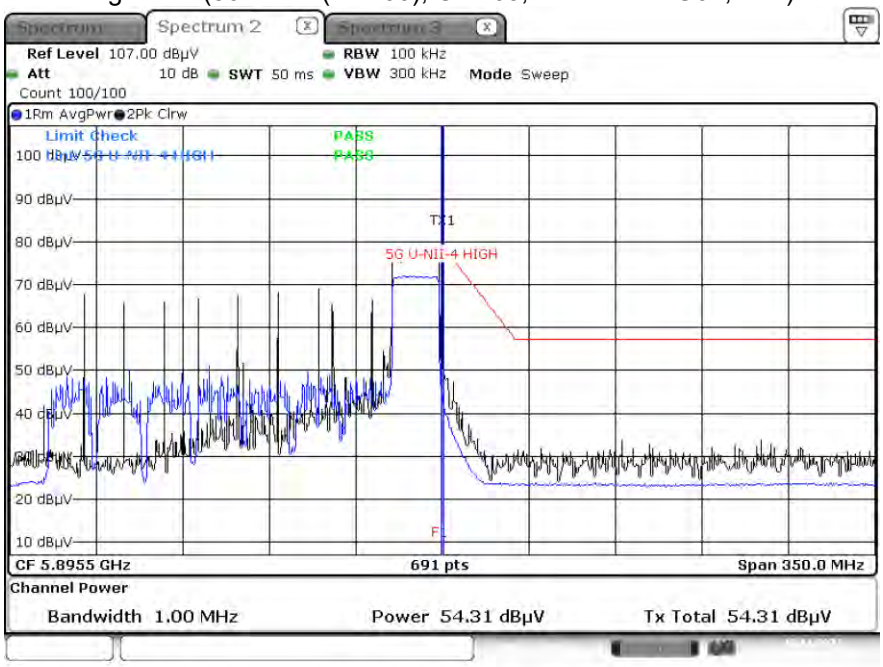
Avg result (802.11ax(HE160), Ch.163, 52 Tone RU52, X-H)



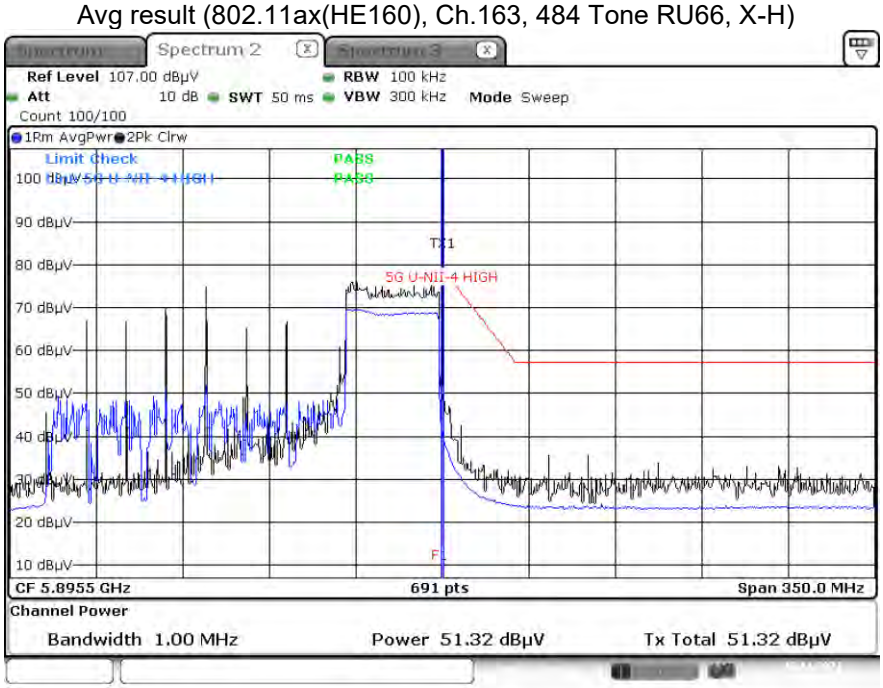
Avg result (802.11ax(HE160), Ch.163, 106 Tone RU60, X-H)



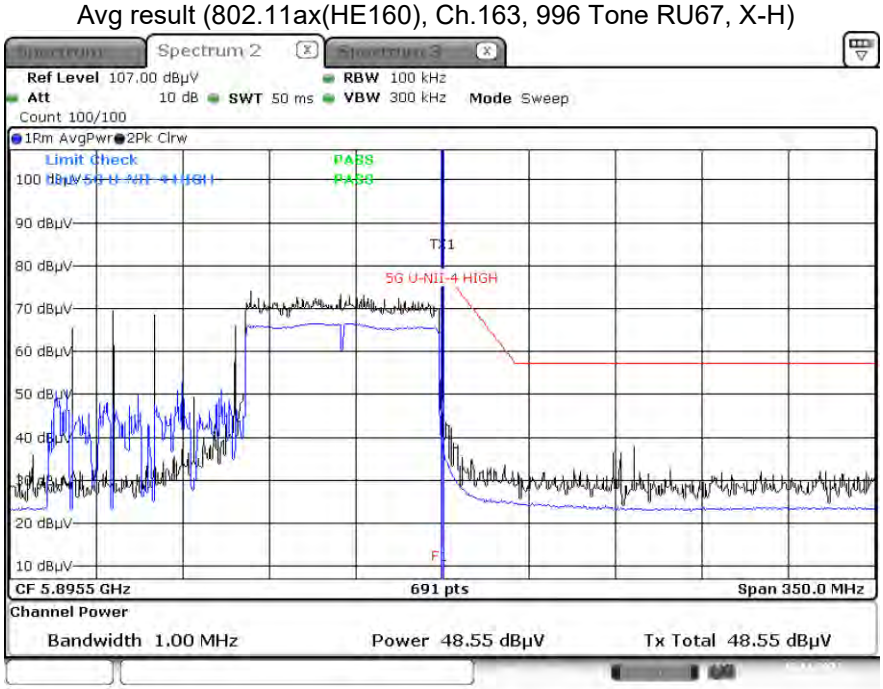
Avg result (802.11ax(HE160), Ch.163, 242 Tone RU64, X-H)



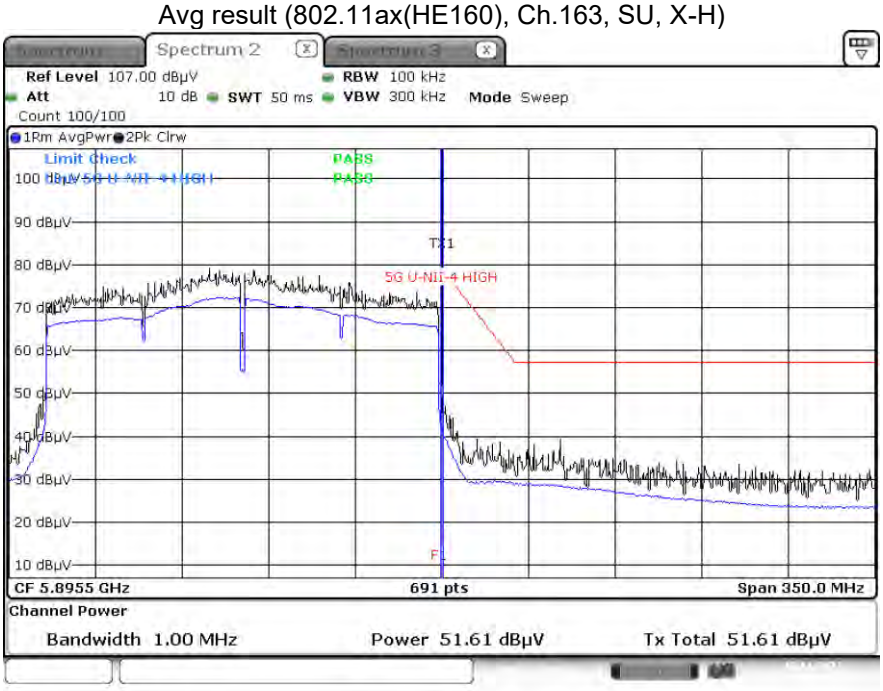
Avg result (802.11ax(HE160), Ch.163, 484 Tone RU66, X-H)



Avg result (802.11ax(HE160), Ch.163, 996 Tone RU67, X-H)



Avg result (802.11ax(HE160), Ch.163, SU, X-H)

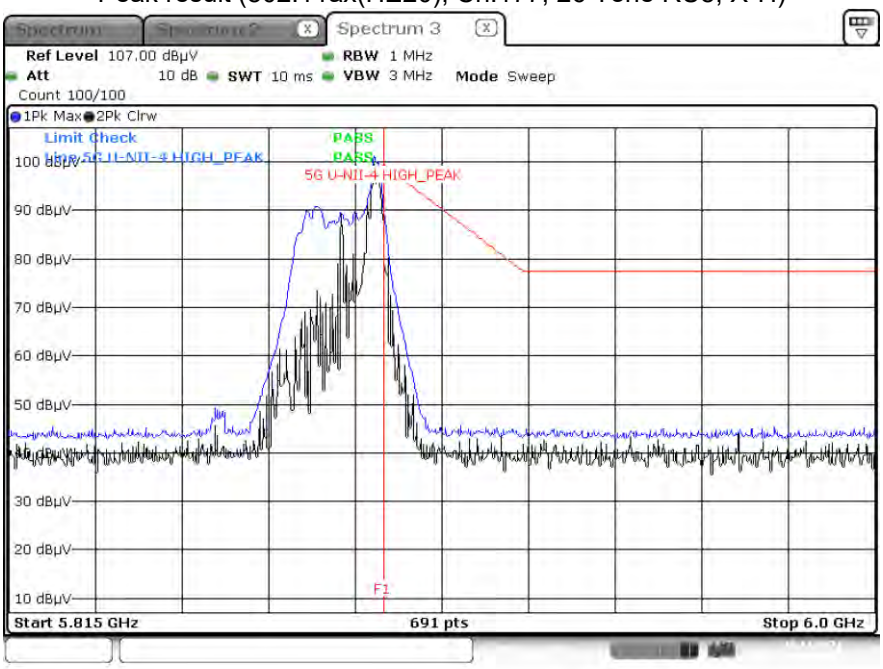


Note :

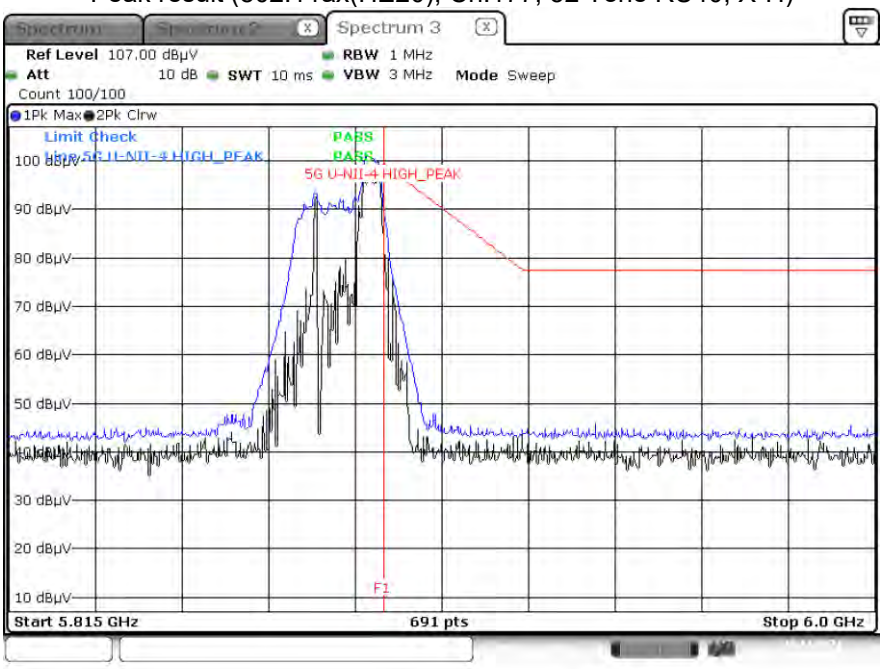
1. Only the worst case plots for U-NII-4 O.O.B.E
2. U-NII-4 Low & High O.O.B.E RedLine is Final Test Limit about factor value compensation.

[Peak result]

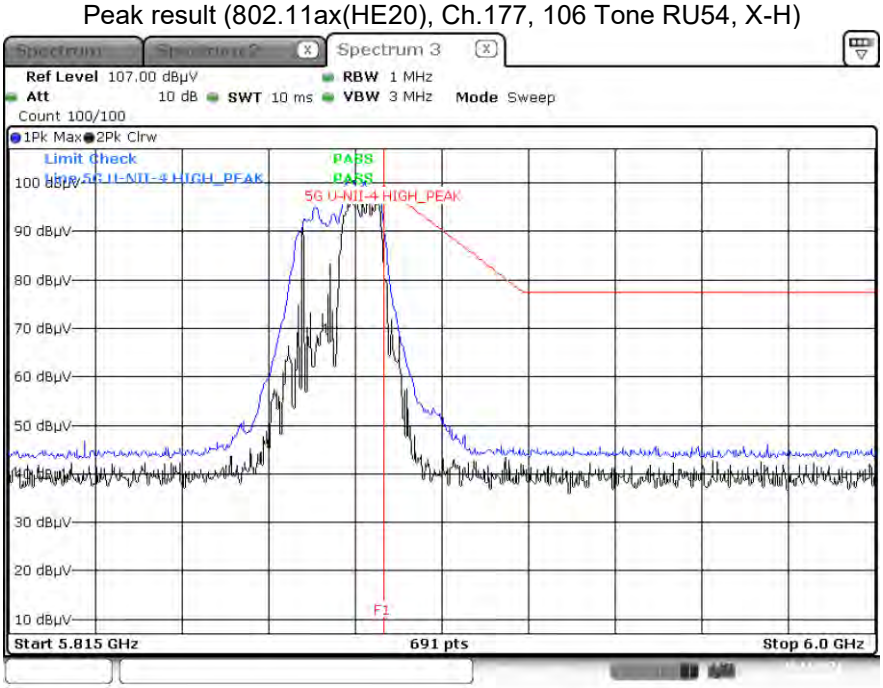
Peak result (802.11ax(HE20), Ch.177, 26 Tone RU8, X-H)



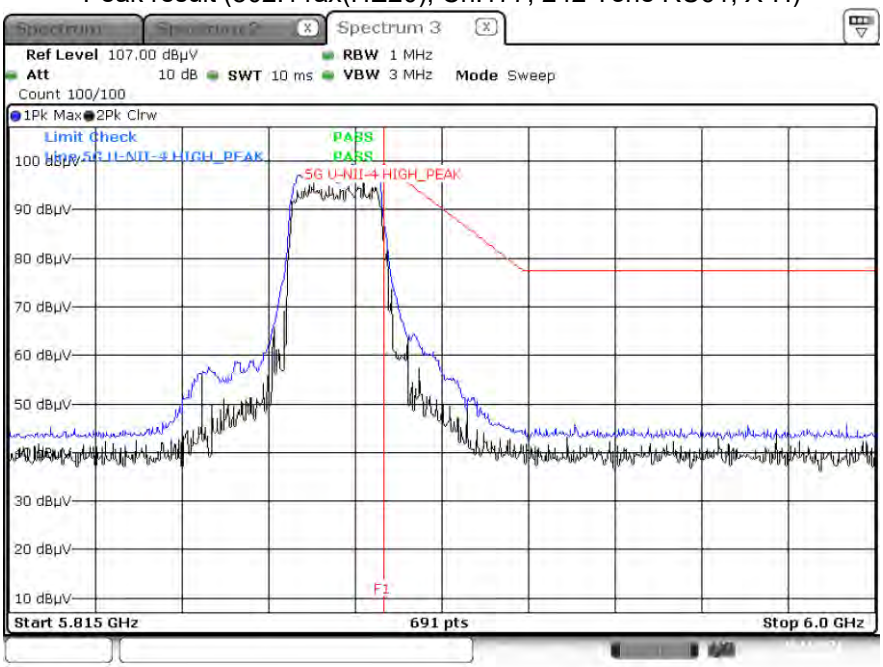
Peak result (802.11ax(HE20), Ch.177, 52 Tone RU40, X-H)



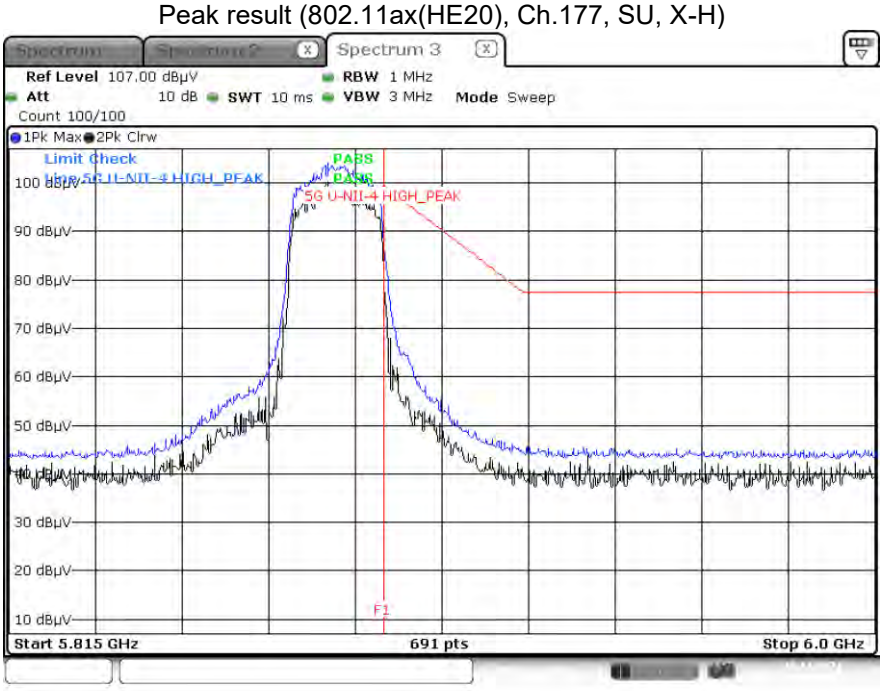
Peak result (802.11ax(HE20), Ch.177, 106 Tone RU54, X-H)



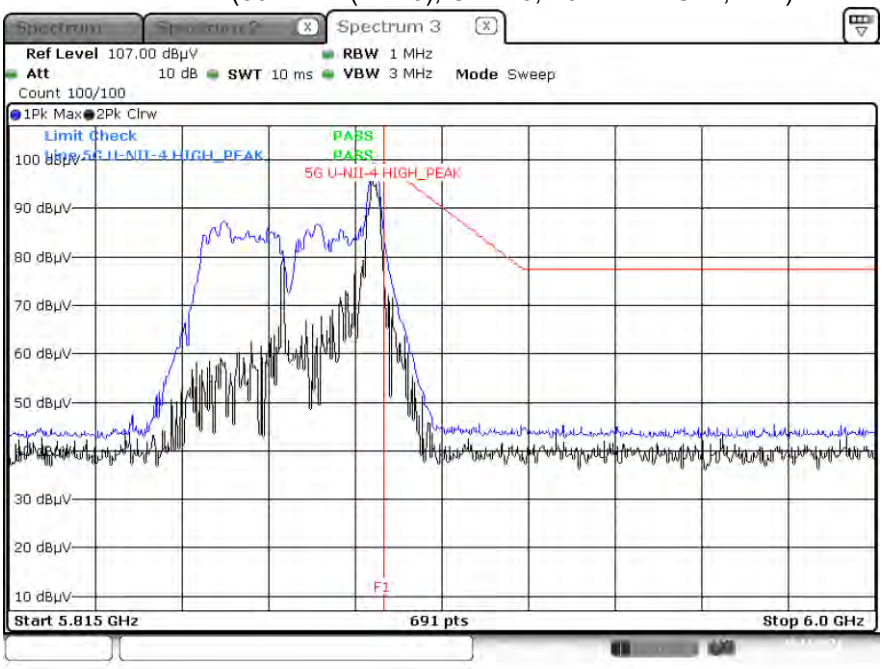
Peak result (802.11ax(HE20), Ch.177, 242 Tone RU61, X-H)



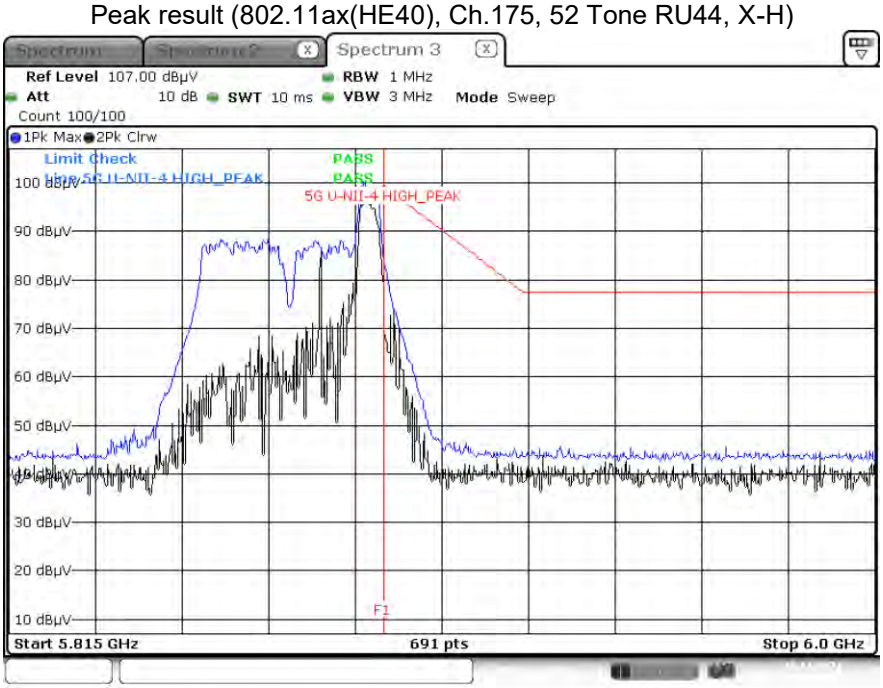
Peak result (802.11ax(HE20), Ch.177, SU, X-H)



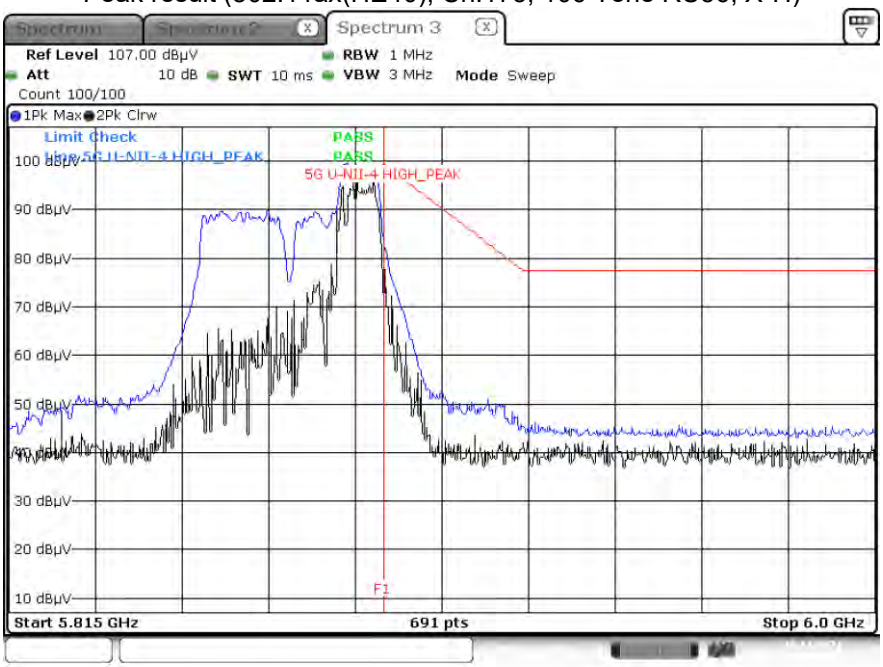
Peak result (802.11ax(HE40), Ch.175, 26 Tone RU17, X-H)



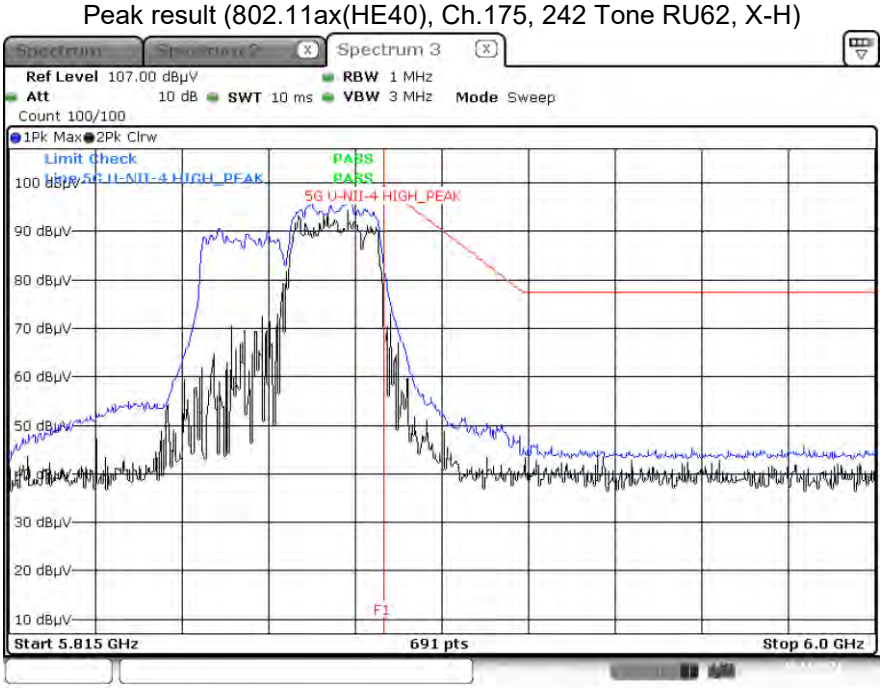
Peak result (802.11ax(HE40), Ch.175, 52 Tone RU44, X-H)



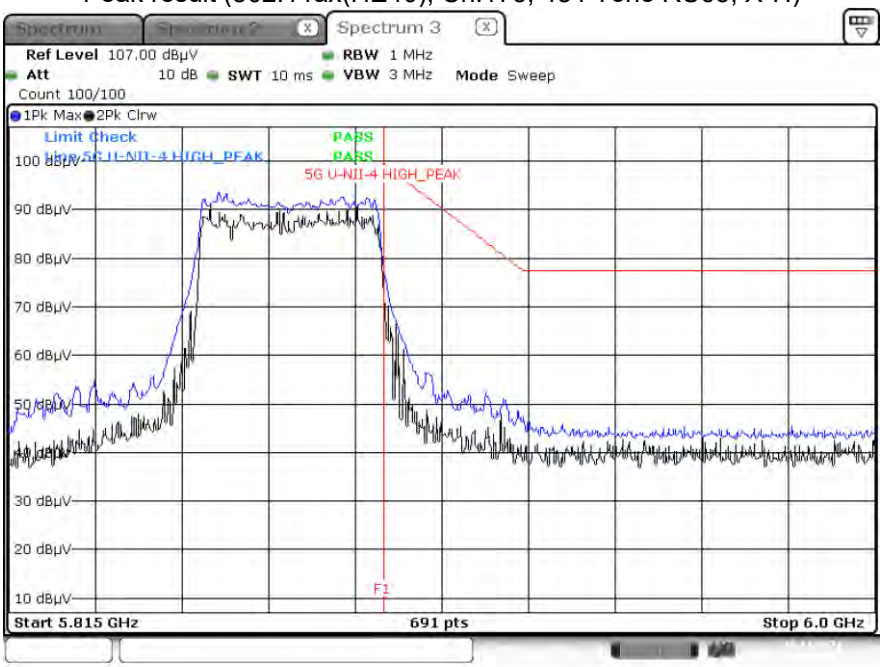
Peak result (802.11ax(HE40), Ch.175, 106 Tone RU56, X-H)



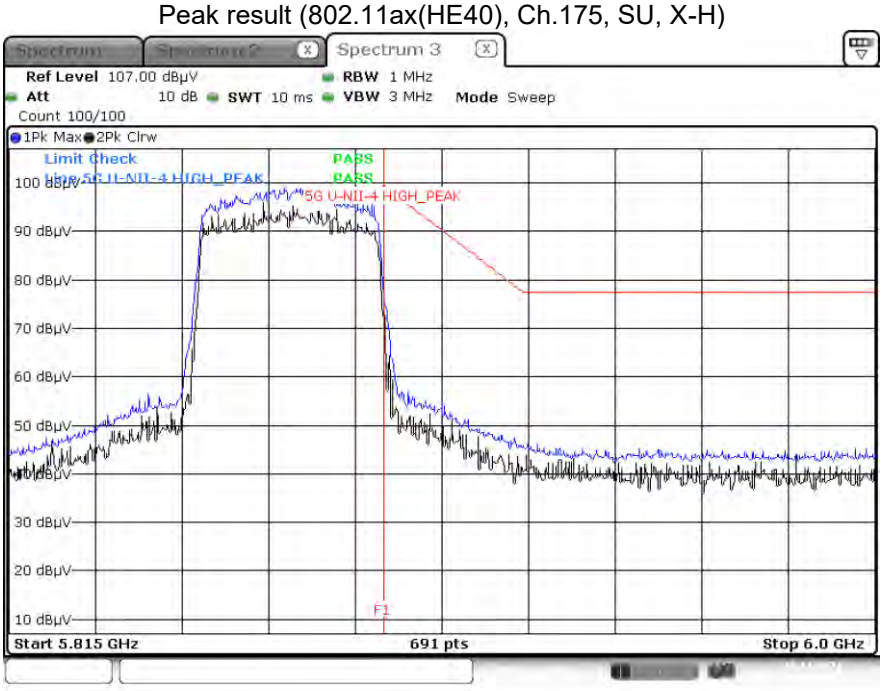
Peak result (802.11ax(HE40), Ch.175, 242 Tone RU62, X-H)



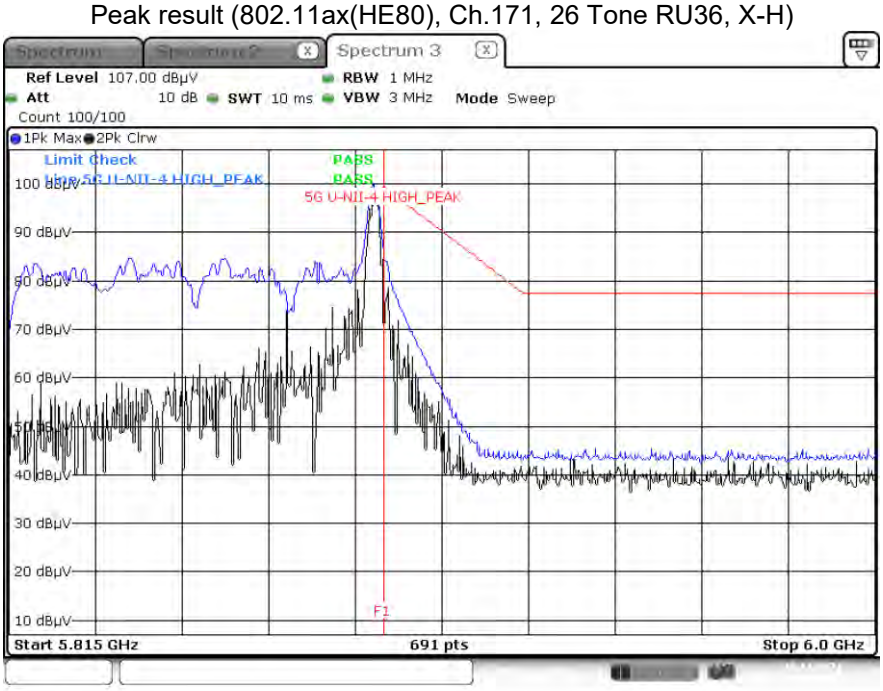
Peak result (802.11ax(HE40), Ch.175, 484 Tone RU65, X-H)



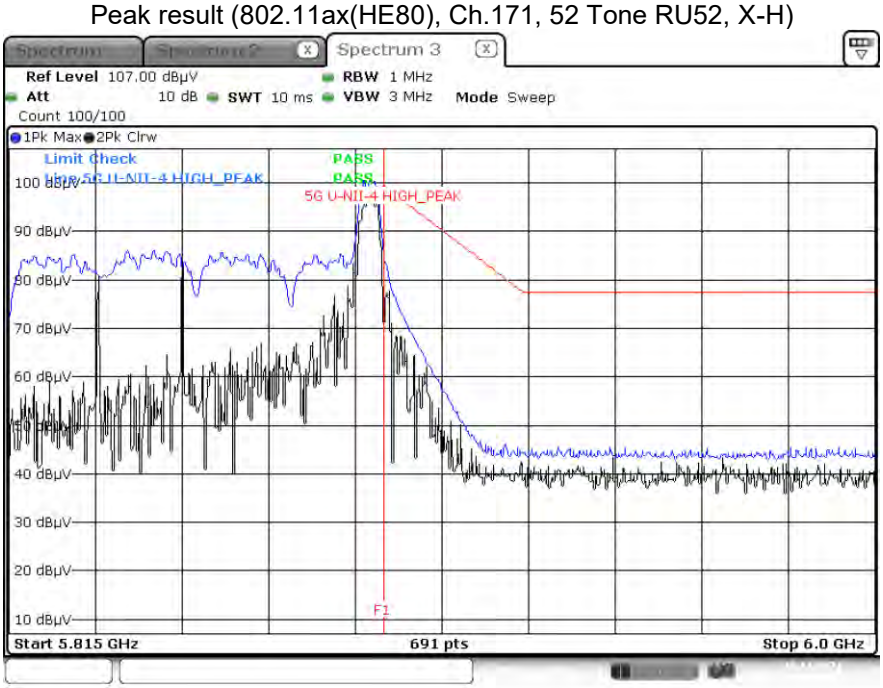
Peak result (802.11ax(HE40), Ch.175, SU, X-H)



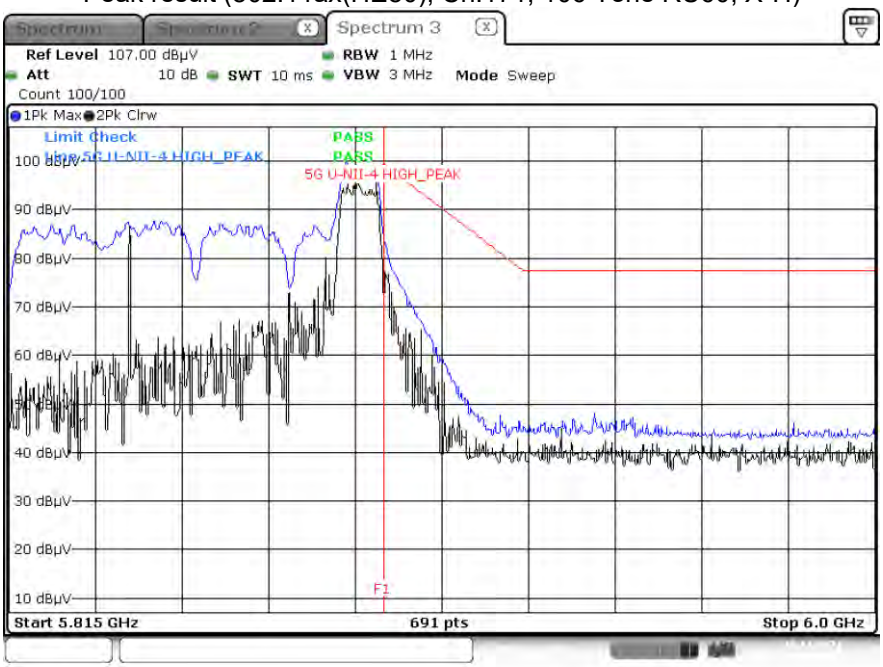
Peak result (802.11ax(HE80), Ch.171, 26 Tone RU36, X-H)



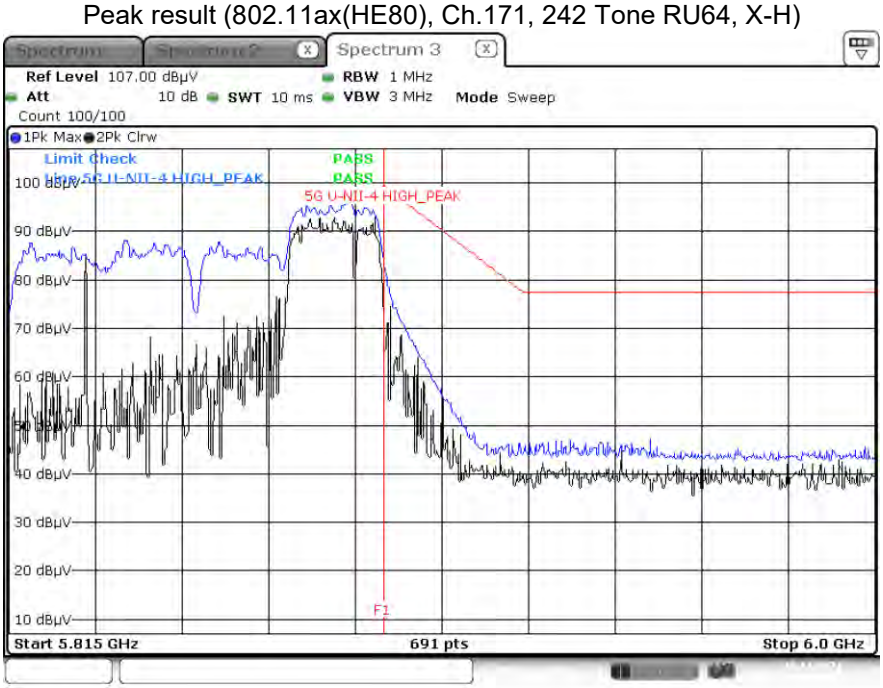
Peak result (802.11ax(HE80), Ch.171, 52 Tone RU52, X-H)



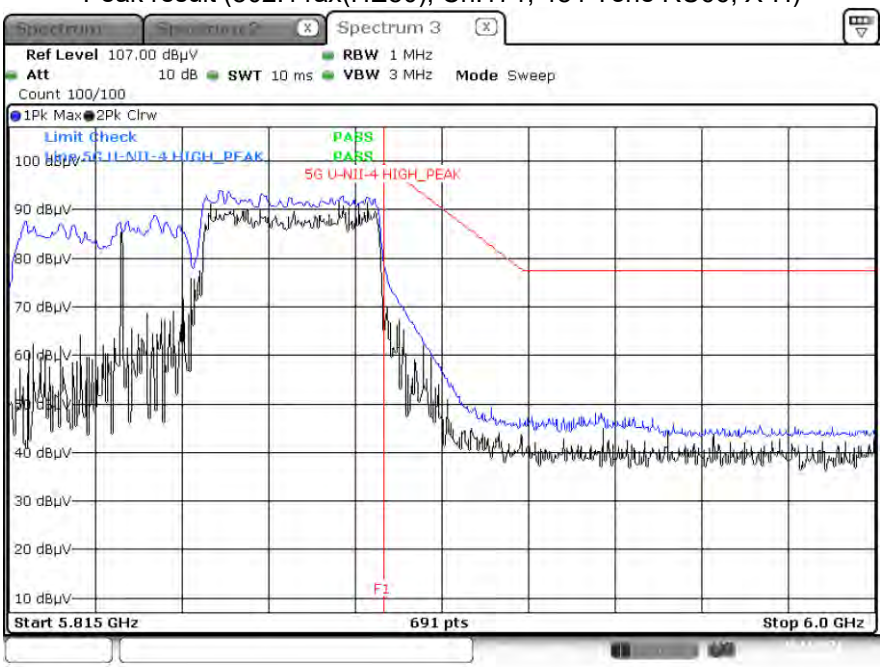
Peak result (802.11ax(HE80), Ch.171, 106 Tone RU60, X-H)



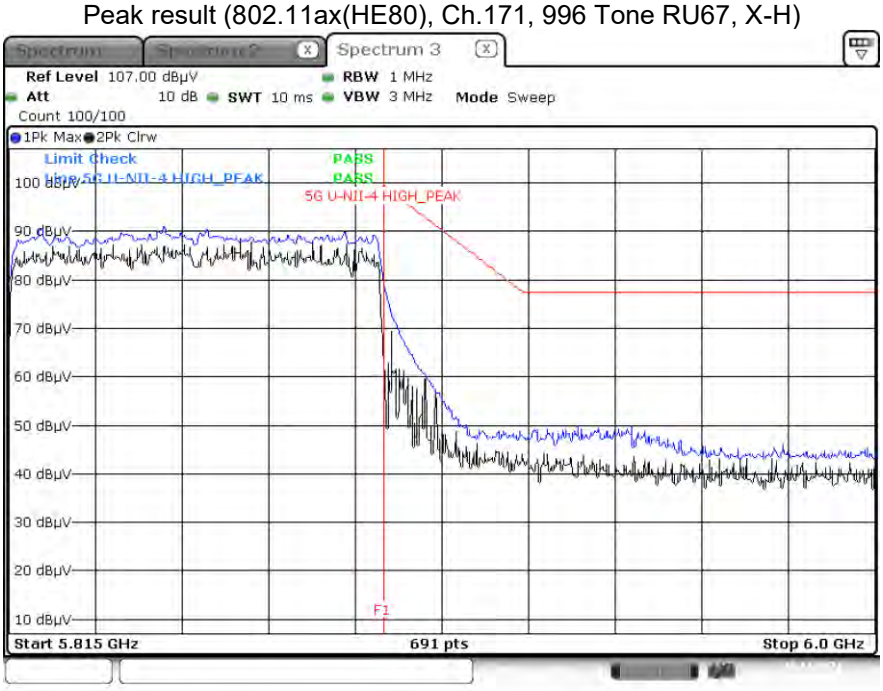
Peak result (802.11ax(HE80), Ch.171, 242 Tone RU64, X-H)



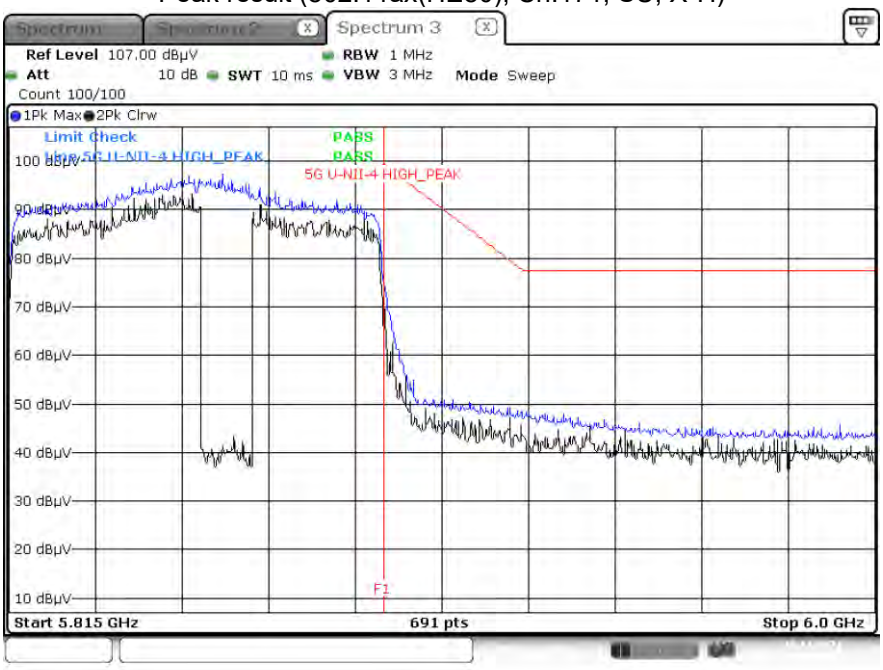
Peak result (802.11ax(HE80), Ch.171, 484 Tone RU66, X-H)



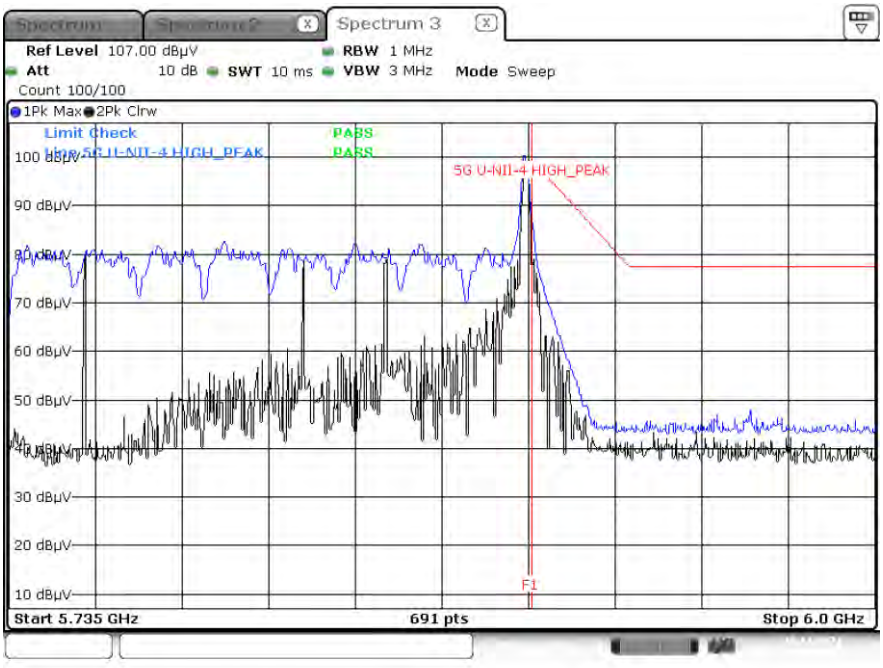
Peak result (802.11ax(HE80), Ch.171, 996 Tone RU67, X-H)



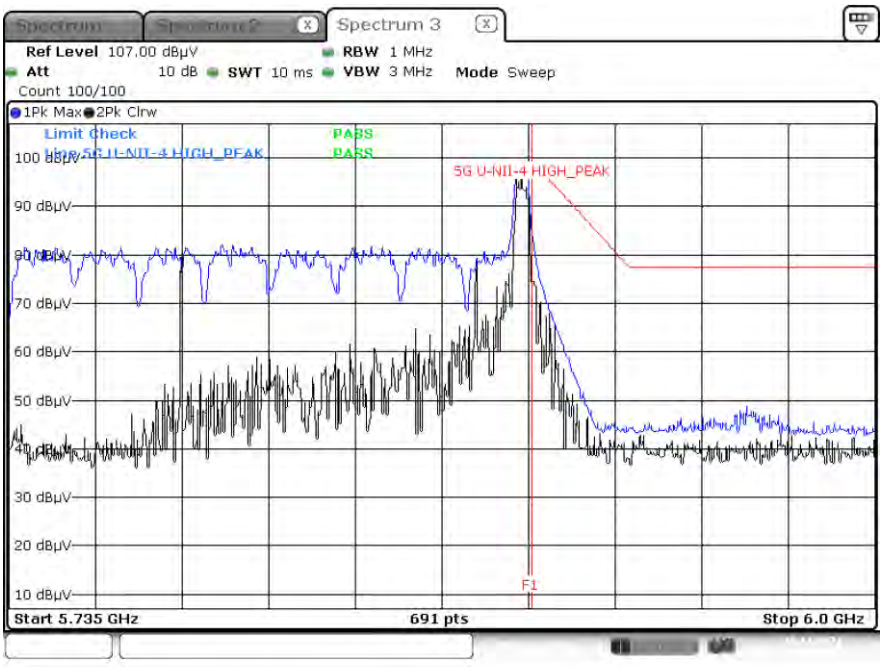
Peak result (802.11ax(HE80), Ch.171, SU, X-H)



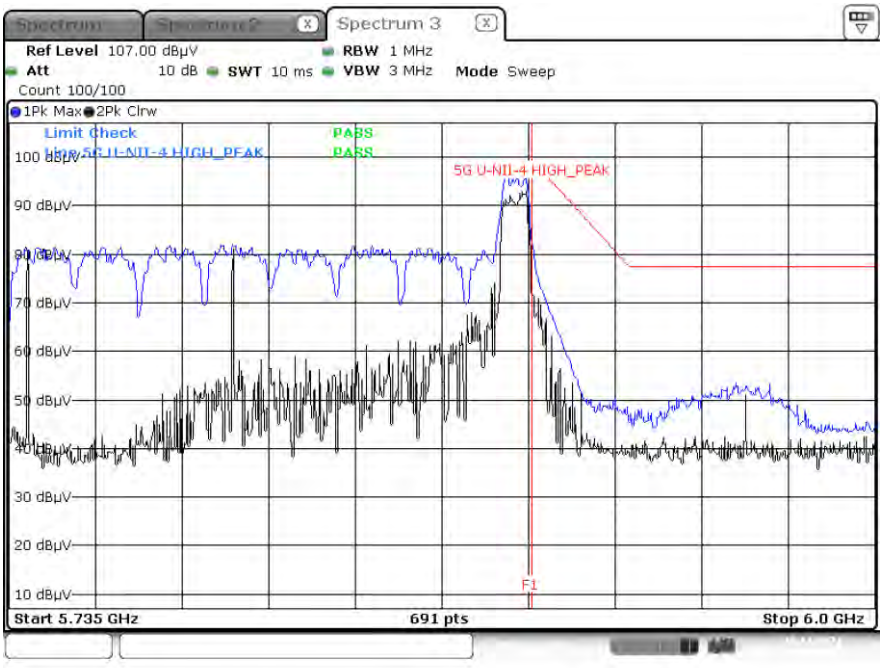
Avg result (802.11ax(HE160)_80U, Ch.163, 26 Tone RU36, X-H)



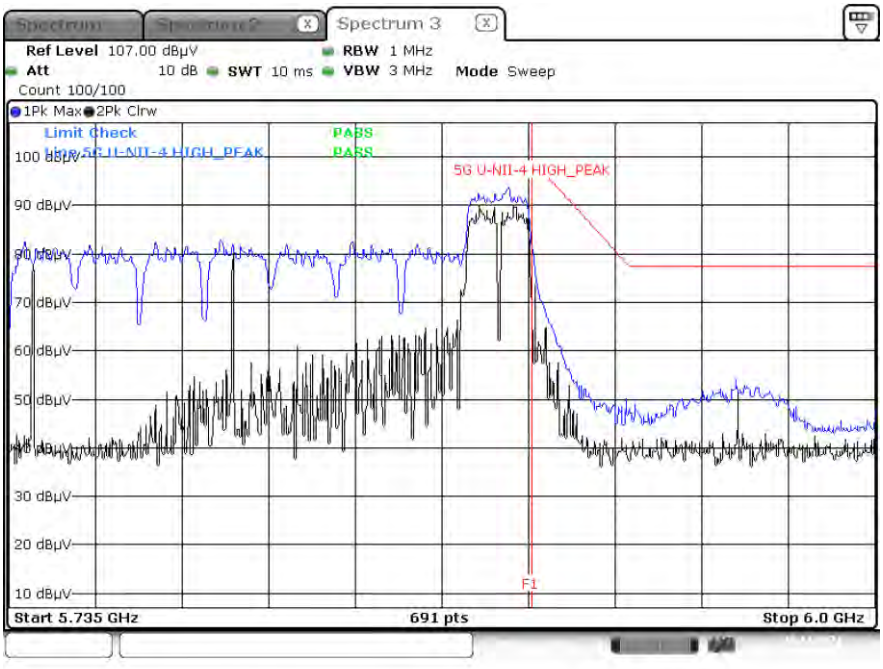
Avg result (802.11ax(HE160)_80U, Ch.163, 52 Tone RU52, X-H)



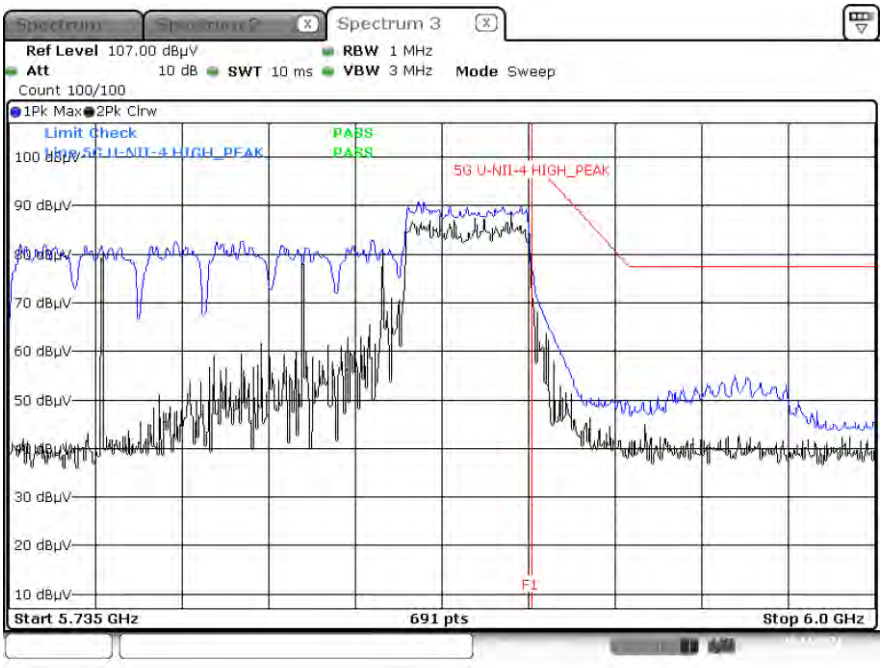
Avg result (802.11ax(HE160)_80U, Ch.163, 106 Tone RU60, X-H)



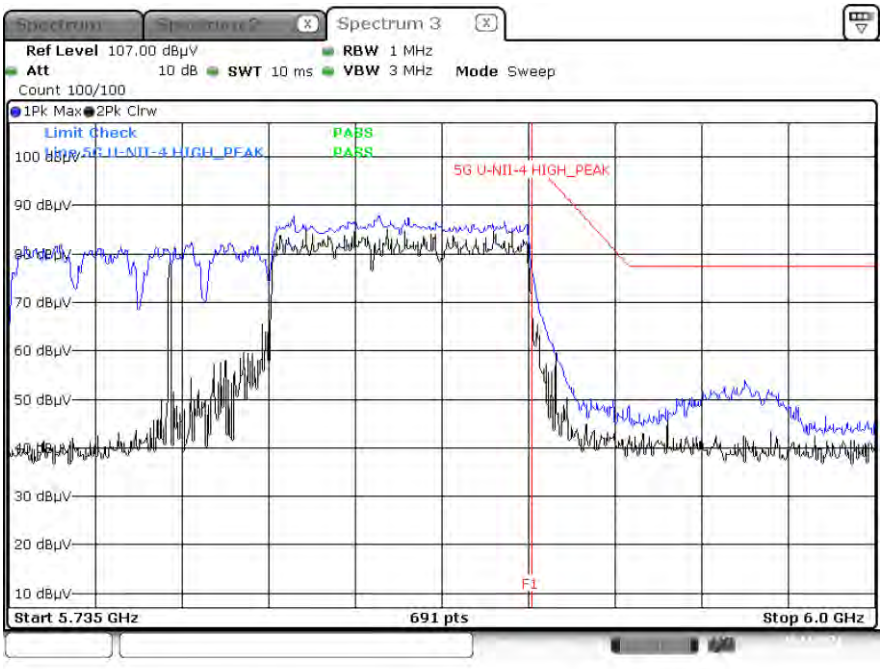
Avg result (802.11ax(HE160)_80U, Ch.163, 242 Tone RU64, X-H)



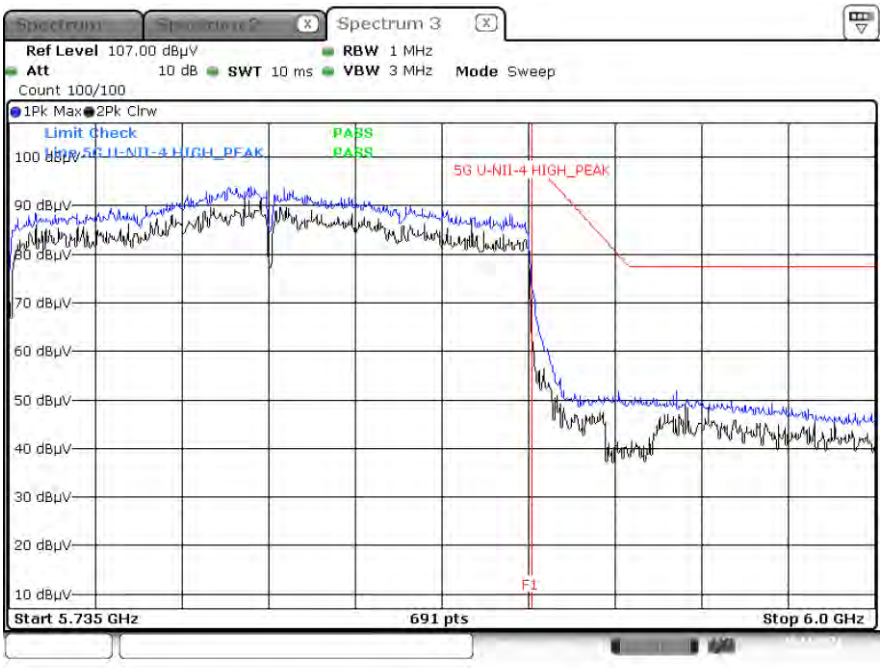
Avg result (802.11ax(HE160)_80U, Ch.163, 484 Tone RU66, X-H)



Avg result (802.11ax(HE160)_80U, Ch.163, 996 Tone RU67, X-H)



Avg result (802.11ax(HE160), Ch.163, SU, X-H)



Note :

1. Only the worst case plots for U-NII-4 O.O.B.E
2. U-NII-4 Low & High O.O.B.E RedLine is Final Test Limit(Peak) about factor value compensation.

11. LIST OF TEST EQUIPMENT

Conducted Test

Equipment	Model	Manufacturer	Serial No.	Due to Calibration	Calibration Interval
LISN	ENV216	Rohde & Schwarz	102245	08/23/2022	Annual
EMI Test Receiver	ESR	Rohde & Schwarz	101910	06/17/2022	Annual
Temperature Chamber	SU-642	ESPEC	0093008124	03/15/2022	Annual
Signal Analyzer	N9030A	Agilent	MY49432108	03/09/2022	Annual
Signal Analyzer	N9030A	Agilent	US51350313	03/30/2022	Annual
Power Meter	N1911A	Agilent	MY45100523	04/08/2022	Annual
Power Sensor	N1921A	Agilent	MY57820067	04/08/2022	Annual
Power Splitter	11667B	Hewlett Packard	10545	02/09/2022	Annual
DC Power Supply	E3632A	HP	MY50360067	02/26/2022	Annual
Attenuator(10 dB)(DC-26.5 GHz)	8493C	HP	07560	06/18/2022	Annual
Attenuator(10 dB)(DC-26.5 GHz)	8493C	HP	08285	06/28/2022	Annual
Attenuator(20 dB)	18N-20dB	Rohde & Schwarz	8	03/08/2022	Annual
Software	EMC32	Rohde & Schwarz	N/A	N/A	N/A
FCC WLAN&BT&BLE Conducted Test Software v3.0	N/A	HCT CO., LTD.	N/A	N/A	N/A

Note:

1. Equipment listed above that calibrated during the testing period was set for test after the calibration.
2. Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.

Radiated Test

Equipment	Model	Manufacturer	Serial No.	Due to Calibration	Calibration Interval
Controller(Antenna mast)	CO3000	Innco system	CO3000-4p	N/A	N/A
Antenna Position Tower	MA4640/800-XP-EP	Innco system	N/A	N/A	N/A
Controller	EM1000	Audix	060520	N/A	N/A
Turn Table	N/A	Audix	N/A	N/A	N/A
Amp & Filter Bank Switch Controller	FBSM-01B	TNM system	TM19050002	N/A	N/A
Loop Antenna	1513	Schwarzbeck	1513-333	03/19/2022	Biennial
Hybrid Antenna	VULB 9168	Schwarzbeck	9168-0895	09/04/2022	Biennial
Horn Antenna	BBHA 9120D	Schwarzbeck	02296	05/19/2022	Biennial
Horn Antenna(15 GHz ~ 40 GHz)	BBHA9170	Schwarzbeck	BBHA9170124	04/12/2023	Biennial
Spectrum Analyzer	FSV(10 Hz ~ 40 GHz)	Rohde & Schwarz	101055	05/14/2022	Annual
Band Reject Filter	WRCJV2400/2483.5-2370/2520-60/12SS	Wainwright Instruments	2	01/06/2022	Annual
Band Reject Filter	WRCJV12-4900-5100-5900-6100-50SS	Wainwright Instruments	5	06/24/2022	Annual
Band Reject Filter	WRCJV12-4900-5100-5900-6100-50SS	Wainwright Instruments	6	06/24/2022	Annual
Power Amplifier	CBL18265035	CERNEX	22966	12/04/2021	Annual
Power Amplifier	CBL26405040	CERNEX	25956	03/23/2022	Annual
HPF(3~18GHz) + LNA1(1~18GHz)	FMSR-05B	TNM system	F6	01/20/2022	Annual
ATT(10dB) + LNA1(1~18GHz)	FMSR -05B	TNM system	None	01/20/2022	Annual
ATT(3dB) + LNA1(1~18GHz)	FMSR -05B	TNM system	None	01/20/2022	Annual
LNA1(1~18GHz)	FMSR -05B	TNM system	25540	01/20/2022	Annual
HPF(7~18GHz) + LNA2(6~18GHz)	FMSR -05B	TNM system	28550	01/20/2022	Annual
Thru(30MHz ~ 18GHz)	FMSR -05B	TNM system	None	01/20/2022	Annual

Note:

1. Equipment listed above that calibrated during the testing period was set for test after the calibration.

2. Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.

3. Especially, all antenna for measurement is calibrated in accordance with the requirements of C63.5(Version : 2017).

12. ANNEX A_ TEST SETUP PHOTO

Please refer to test setup photo file no. as follows;

No.	Description
1	HCT-RF-2111-FC090-P