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FCC UNII REPORT

Certification

Applicant Name:
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Address:
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Date of Issue:
May 02, 2022

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

Report No.: HCT-RF-2205-FC002

FCC ID:	**A3LSMG736B**
APPLICANT:	**SAMSUNG Electronics Co., Ltd.**

Model:	SM-G736B/DS
Additional Model:	SM-G736B
EUT Type:	Mobile Phone
Modulation type	OFDMA,OFDM
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-2205-FC002	May 02, 2022	- First Approval Report

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1. GENERAL INFORMATION

EUT DESCRIPTION

Model	SM-G736B/DS	
Additional Model	SM-G736B	
EUT Type	Mobile Phone	
Power Supply	DC 3.86 V	
Modulation Type	OFDMA, OFDM	
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
Straddle channel	Supported	
TDWR Band	Supported	
Dynamic Frequency Selection	Slave without radar detection	
Date(s) of Tests	March 28, 2022 ~ May 02, 2022	
Serial number	Radiated: R3CT20AKBFL Conducted : R3CT20AKENH	

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 Bluetooth, 5 GHz or 6 GHz bands simultaneously on each antenna.

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
Bluetooth ANT.1 + 6 GHz WiFi MIMO					on	on	on	
Bluetooth ANT.1 + 5GHz WiFi MIMO			on	on	-	-	on	-

3. Directional Gain Calculation

According to KDB 662911 D01 Multiple Transmitter Output v02r01F) 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	-1.40	2 / 2	1.97
	ANT2	-0.70		
UNII 2A	ANT1	-1.30	2 / 2	2.17
	ANT2	-0.40		
UNII 2C	ANT1	-0.40	2 / 2	2.61
	ANT2	-0.40		
UNII 3	ANT1	0.40	2 / 2	3.12
	ANT2	-0.20		

Note

According to Ansi C63.10-2013 section 14.4.3, the directional gain is calculated using the formula, where GN is the gain of the nth antenna and NANT is the total number of antennas used.

Directional Gain = $10 \cdot \log(((10^{(\text{ANT1 Gain}/20)}+10^{(\text{ANT2 Gain}/20)})^2)/2)$ dBi

Sample MIMO Calculation:

Ex) Ant 1 : 11.58 dBm Ant 2 : 12.08 dBm

Ant1 + Ant 2 = MIMO

(11.58 dBm + 12.08 dBm) = (14.387 mW + 16.143 mW) = 30.53 mW = 14.88 dBm

2. MAXIMUM OUTPUT POWER

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

Band	Mode	SUM	
		(SISO Ant 1 + SISOAnt 2) Power	
		(dBm)	(W)
UNII1	802.11ax (HE20)	17.09	0.051
	802.11ax (HE40)	17.15	0.052
	802.11ax (HE80)	13.25	0.021
UNII2A	802.11ax (HE20)	17.06	0.051
	802.11ax (HE40)	17.20	0.052
	802.11ax (HE80)	13.45	0.022
UNII2C	802.11ax (HE20)	16.72	0.047
	802.11ax (HE40)	16.85	0.048
	802.11ax (HE80)	16.93	0.049
UNII3	802.11ax (HE20)	16.46	0.044
	802.11ax (HE40)	16.61	0.046
	802.11ax (HE80)	12.31	0.017

802.11ax (HE160)

Band	Mode	SUM	
		(SISO Ant 1 + SISO Ant 2) Power	
		(dBm)	(W)
UNII 1-2A	802.11ax (HE160)	3.46	0.002
UNII 2C		14.54	0.028

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.

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 1.5m 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.

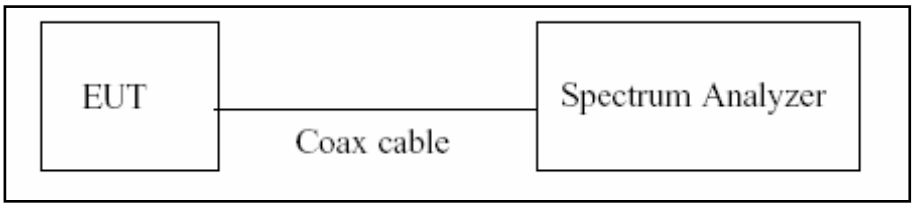
The measurement data shown herein meets or exceeds the U_{CISPR} measurement uncertainty values specified in CISPR 16-4-2 and, thus, can be compared directly to specified limits to determine compliance.

Parameter	Expanded Uncertainty (dB)
Conducted Disturbance (150 kHz ~ 30 MHz)	2.00 (Confidence level about 95 %, k=2)
Radiated Disturbance (9 kHz ~ 30 MHz)	4.40 (Confidence level about 95 %, k=2)
Radiated Disturbance (30 MHz ~ 1 GHz)	5.74 (Confidence level about 95 %, k=2)
Radiated Disturbance (1 GHz ~ 18 GHz)	5.51 (Confidence level about 95 %, k=2)
Radiated Disturbance (18 GHz ~ 40 GHz)	5.92 (Confidence level about 95 %, k=2)
Radiated Disturbance (Above 40 GHz)	5.48 (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.

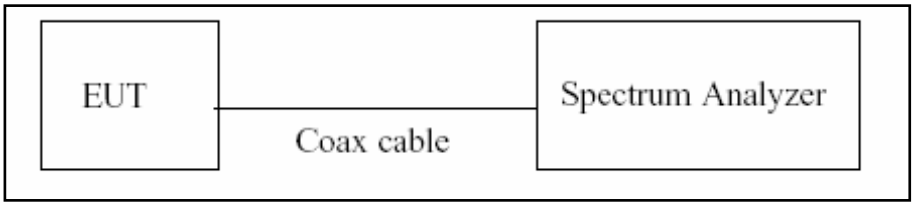
1. RBW = 8 MHz (the largest available value)
2. VBW = 8 MHz (≥ RBW)
3. SPAN = 0 Hz
4. Detector = Peak
5. Number of points in sweep > 100
6. Trace mode = Clear write
7. Measure T_{total} and T_{on}
8. Calculate Duty Cycle = T_{on}/ T_{total} and Duty Cycle Factor = 10log(1/Duty Cycle)

8.2.6 dB Bandwidth & 26 dB Bandwidth

Limit

Within the 5.725-5.85 GHz 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.

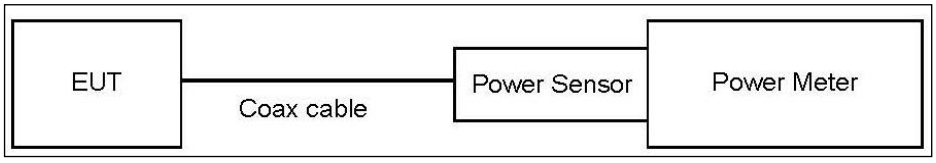
8.3. Output Power Measurement

Limit

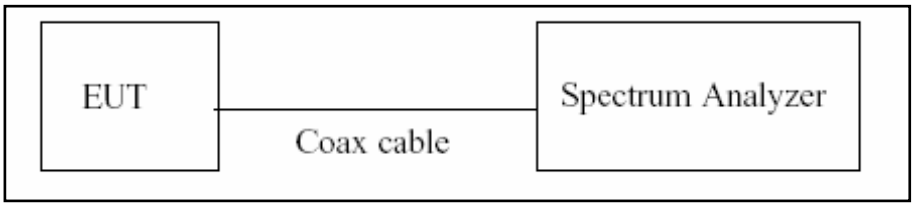
Band	Limit
UNII 1	- Master : Not exceed 1 W(=30 dBm) - Slave : Not exceed 250 mW(=23.98 dBm)
UNII 2A, 2C	Not exceed the lesser of 250 mW or 11 dBm + 10 log B, (where B is the 26 dB emission bandwidth in megahertz.)
UNII 3	Not exceed 1 W(=30 dBm)

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
   Ant.1: Loss = Attenuator loss(10 dB) + Cable loss + EUT cable Loss
   Ant.2: Loss = Attenuator loss(10 dB) + Cable loss
3. Actual value of loss for the attenuator and cable combination is below table.

Band	Ant.1 Loss(dB)	Ant.2 Loss(dB)
UNII 1	11.62	10.80
UNII 2A	11.62	10.80
UNII 2C	11.62	10.80
UNII 3	11.62	10.80

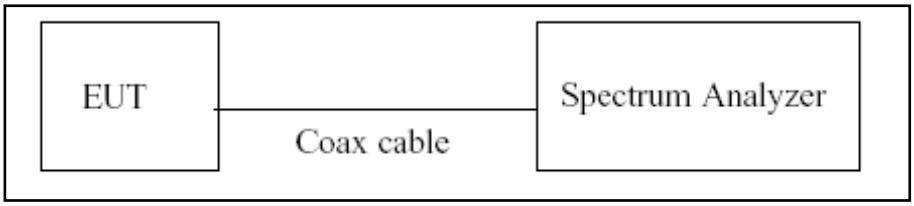
(Actual value of loss for the attenuator and cable combination)

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

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
   Ant.1: Loss = Attenuator loss(10 dB) + Cable loss + EUT cable Loss
   Ant.2: Loss = Attenuator loss(10 dB) + Cable loss
3. Actual value of loss for the attenuator and cable combination is below table.

Band	Ant.1 Loss(dB)	Ant.2 Loss(dB)
UNII 1	11.62	10.80
UNII 2A	11.62	10.80
UNII 2C	11.62	10.80
UNII 3	11.62	10.80

(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

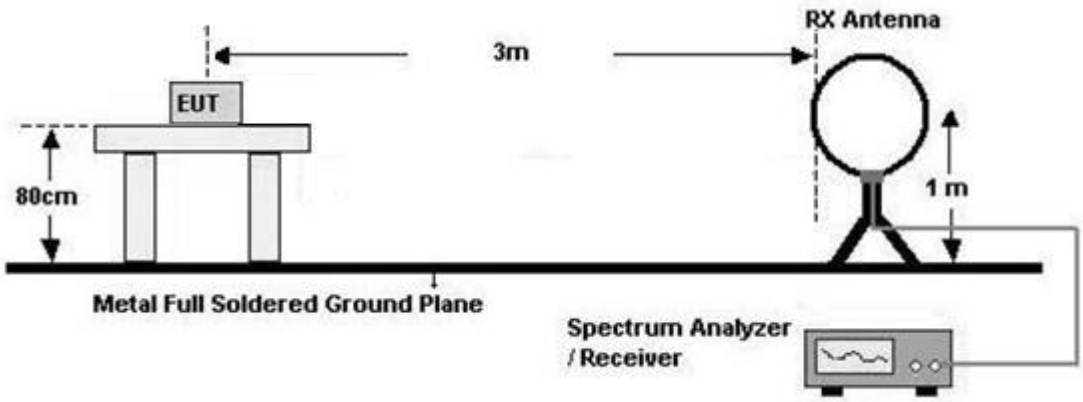
Limit

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 bandshall not exceed an EIRP of −27 dBm/MHz.
3. UNII 3: All emissions shall be limited to a level of −27dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHzabove or below the band edge, and from 25 MHz above or below the band edge increasing linearly to alevel of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the bandedge increasing linearly to a level of 27 dBm/MHz at the band edge.
4. 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.

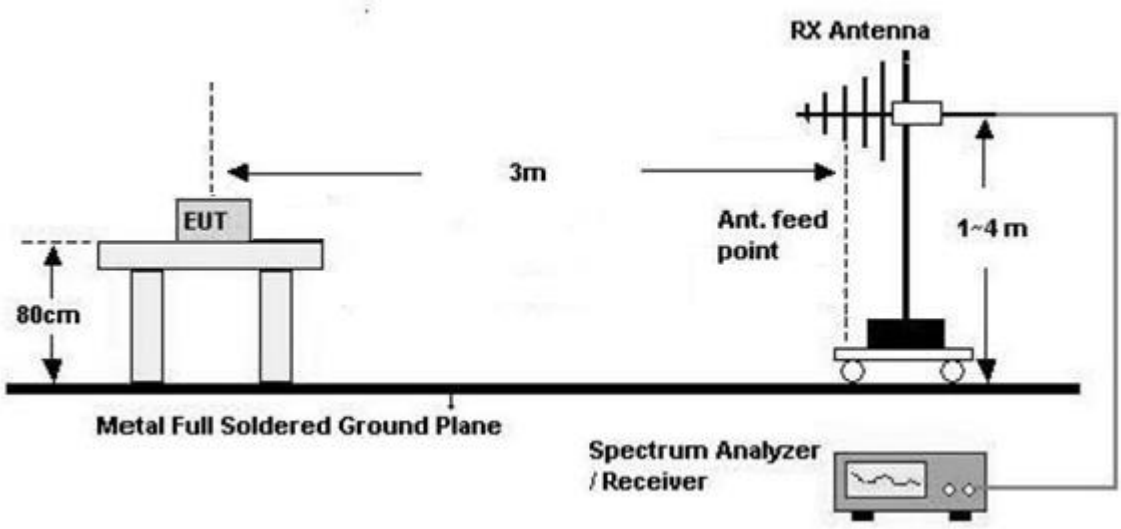
Frequency (MHz)	Field Strength (μV/m)	Measurement Distance (m)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Test Configuration

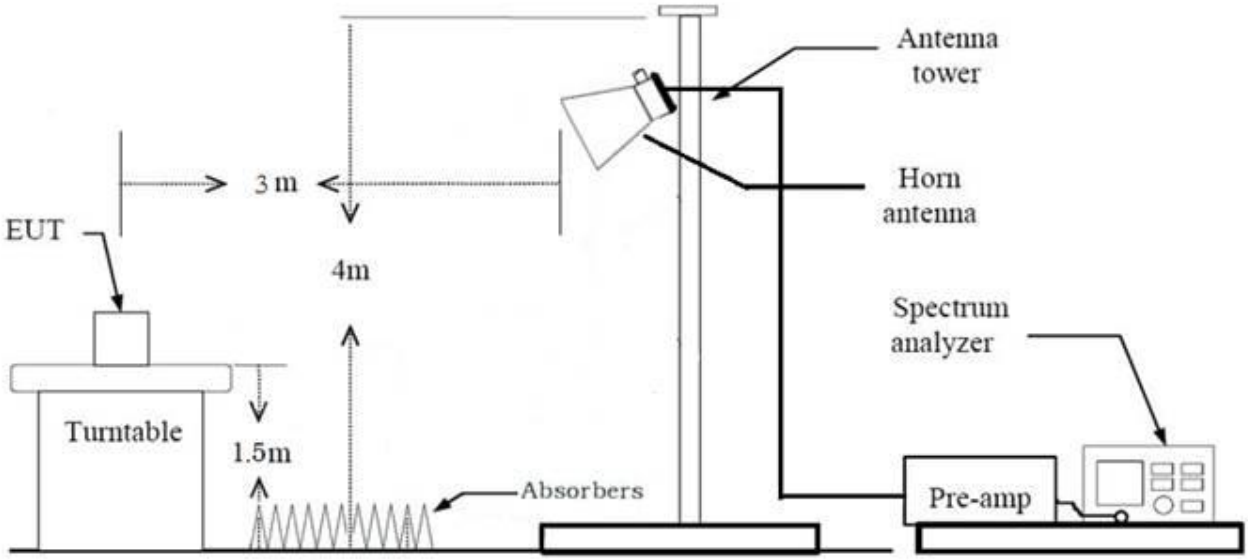
Below 30 MHz



30 MHz - 1 GHz



Above 1 GHz



Test Procedure of Radiated spurious emissions(Below30 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 0.8m 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 0.8m 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 minimum 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 minimum 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	MCS0	0.993	0.03	0.385	2000
	52	MCS0	0.993	0.03	0.386	2000
	106	MCS0	0.988	0.05	0.696	2000
	242	MCS0	0.974	0.11	1.478	2000
802.11ax (HE40)	26	MCS0	0.993	0.03	0.385	5000
	52	MCS0	0.993	0.03	0.386	5000
	106	MCS0	0.990	0.05	0.696	5000
	242	MCS0	0.978	0.10	1.478	5000
	484	MCS0	0.962	0.17	2.597	5000
802.11ax (HE80)	26	MCS0	0.993	0.03	0.385	10000
	52	MCS0	0.994	0.03	0.386	10000
	106	MCS0	0.990	0.05	0.696	10000
	242	MCS0	0.978	0.10	1.478	10000
	484	MCS0	0.962	0.17	2.597	10000
	996	MCS0	0.929	0.32	4.338	10000
802.11ax (HE160)	26	MCS0	0.994	0.03	0.385	10000
	52	MCS0	0.994	0.03	0.386	10000
	106	MCS0	0.988	0.05	0.697	10000
	242	MCS0	0.978	0.10	1.478	10000
	484	MCS0	0.962	0.17	2.597	10000
	996	MCS0	0.928	0.32	4.338	10000
802.11ax (SU)	BW 20	MCS0	0.996	0.02	0.183	10000
	BW 40	MCS0	0.997	0.01	0.183	10000
	BW 80	MCS0	0.997	0.02	0.183	10000
	BW 160	MCS0	0.997	0.01	0.183	10000

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	-
160	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, HE160 : MCS0
2. SM-G736B/DS, SM-G736B were tested and the worst case results are reported.

(Worst case : SM-G736B/DS)

Radiated test

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

   (Worst case : MCS0)
4. All Antenna of operation were investigated and the worst case results are reported
   - Mode : Ant1+Ant2(SDM), Ant1+Ant2(CDD)
   - Worstcase : Ant1+Ant2(CDD)
5. 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

6. All mode(Tone, RU Offset) of operation were investigated and the worst case configuration results are reported

TEST	TONE	RU OFFSET
RSE	[HE20] WORST CASE(Spurious emission worst) : 26T	8
	[HE160] WORST CASE(Spurious emission worst) : SU	-
Band-Edge (UNII1,2A,2C)	[HE20] : 242T,SU	61
	[HE40] : 484T,SU	65
	[HE80] : 996T,SU	67
	[HE160] : 996T(80L&80U), SU	67
	[HE20] ADDITIONAL TONE : 26T, 52T,106T [HE40] ADDITIONAL TONE : 26T, 52T, 106T, 242T [HE80] ADDITIONAL TONE : 26T, 52T, 106T, 242T, 484T [HE 160] Additional Tone: 26T, 52T, 106T, 242T, 484T	[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 [HE160] Low Edge: 0, 37, 53, 61, 65 High Edge: 36, 52, 60, 64, 66
Band-Edge (Straddle, UNII3)	[HE 20] Worst case(Highest Power) : 242T, SU ADDITIONAL TONE : see the test plot	61
	[HE 40] Worst case(Highest Power) : 484T, SU ADDITIONAL TONE : see the test plot	65
	[HE 80] Worst case(Highest Power) : 996T, SU ADDITIONAL TONE : see the test plot	67

7. SM-G736B/DS, SM-G736B were tested and the worst case results are reported.
(Worst case : SM-G736B/DS)

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, etc)
   - Worstcase : Stand alone
2. EUT Axis
   - Radiated Spurious Emissions : X
3. Test case

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
Bluetooth ANT.1 + 6 GHz WiFi MIMO					on	on	on	
Bluetooth ANT.1 + 5GHz WiFi MIMO			on	on	-	-	on	-

Note : Test case 1,2 Result refer to the SM-G736B/DS [BT, UNII] Test Report.

AC Power line Conducted Emissions

1. Please refer to the SM-G736B/DS[UNII] Test Report.
2. SM-G736B/DS, SM-G736B were tested and the worst case results are reported.

(Worst case : SM-G736B/DS)

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)		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 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)		PASS
AC Conducted Emissions 150 kHz-30 MHz	15.207 15.407(b)(9)	<FCC 15.207 limits		PASS
Undesirable Emissions	§15.407(b) (1),(2),(3),(4)	<-27 dBm/MHz EIRP (UNII1, 2A, 2C) cf. Section 8.6 (UNII 3)	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

Mode	Tone	Worst Data rate (Mbps)	T_{on} (ms)	T_{total} (ms)	Duty Cycle	Duty Cycle Factor (dB)
802.11ax (HE20)	26	MCS0	2.597	2.614	0.993	0.03
	52	MCS0	2.592	2.609	0.993	0.03
	106	MCS0	1.436	1.454	0.988	0.05
	242	MCS0	0.676	0.694	0.974	0.11
802.11ax (HE40)	26	MCS0	2.597	2.614	0.993	0.03
	52	MCS0	2.592	2.609	0.993	0.03
	106	MCS0	1.436	1.452	0.990	0.05
	242	MCS0	0.676	0.692	0.978	0.10
	484	MCS0	0.385	0.400	0.962	0.17
802.11ax (HE80)	26	MCS0	2.594	2.612	0.993	0.03
	52	MCS0	2.592	2.607	0.994	0.03
	106	MCS0	1.436	1.452	0.990	0.05
	242	MCS0	0.676	0.692	0.978	0.10
	484	MCS0	0.385	0.400	0.962	0.17
	996	MCS0	0.231	0.248	0.929	0.32
802.11ax (HE160)	26	MCS0	2.597	2.612	0.994	0.03
	52	MCS0	2.592	2.607	0.994	0.03
	106	MCS0	1.434	1.452	0.988	0.05
	242	MCS0	0.676	0.692	0.978	0.10
	484	MCS0	0.385	0.400	0.962	0.17
	996	MCS0	0.231	0.248	0.928	0.32
802.11ax (SU)	BW 20	MCS0	5.452	5.472	0.996	0.02
	BW 40	MCS0	5.457	5.472	0.997	0.01
	BW 80	MCS0	5.453	5.472	0.997	0.02
	BW 160	MCS0	5.453	5.468	0.997	0.01

Note:

1. Duty Cycle Factor = 10·log(1/Duty Cycle). where, Duty Cycle = T_{on} / T_{total}

10.2 26 dB BANDWIDTH& 99% BANDWIDTH

10.2.1 SISO 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	20.20	21.03	21.41	-	-
			Mid	18.54	19.25	-	22.36	22.32
			High	20.38	20.54	20.97	-	-
	5200	40	Low	20.50	21.09	21.25	-	-
			Mid	18.70	19.22	-	22.44	22.34
			High	20.35	20.47	21.08	-	-
	5240	48	Low	20.20	20.77	21.32	-	-
			Mid	18.68	19.18	-	22.31	22.33
			High	20.34	20.55	20.77	-	-
UNII 2A	5260	52	Low	20.53	21.03	21.36	-	-
			Mid	18.85	18.97	-	22.33	22.33
			High	20.53	20.93	20.74	-	-
	5280	56	Low	20.35	20.65	21.22	-	-
			Mid	18.75	19.24	-	22.23	22.37
			High	20.61	20.53	20.78	-	-
	5320	64	Low	20.43	20.90	21.30	-	-
			Mid	18.80	18.68	-	22.37	22.36
			High	20.48	20.53	20.79	-	-
UNII 2C	5500	100	Low	20.41	20.87	21.37	-	-
			Mid	18.64	19.15	-	22.37	22.33
			High	20.49	20.80	20.83	-	-
	5600	120	Low	20.32	20.97	21.36	-	-
			Mid	18.78	18.84	-	22.41	22.39
			High	20.34	20.41	20.95	-	-
	5720	144	Low	20.39	20.88	21.37	-	-
			Mid	18.85	19.19	-	22.33	22.38
			High	20.53	20.77	20.80	-	-
UNII 3	5745	149	Low	20.48	20.99	21.35	-	-
			Mid	18.67	18.93	-	22.31	22.42
			High	20.57	20.56	20.97	-	-
	5785	157	Low	20.38	20.87	21.38	-	-
			Mid	18.47	19.02	-	22.33	22.42

HE20	Frequency [MHz]	Channel No.	RU Index	26 dB BW (MHz)				
				26 T	52 T	106 T	242 T	SU
			High	20.64	20.24	20.86	-	-
	5825	165	Low	20.62	20.77	21.37	-	-
			Mid	18.66	19.19	-	22.37	22.38
			High	20.38	20.48	20.91	-	-

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	40.04	40.92	40.64	42.16	-	-
			Mid	38.02	38.34	38.73	-	43.61	43.55
			High	40.25	40.71	41.39	42.25	-	-
	5230	46	Low	40.24	40.94	40.89	41.68	-	-
			Mid	38.06	38.35	38.68	-	43.53	43.57
			High	40.43	40.67	40.73	42.06	-	-
UNII 2A	5270	54	Low	40.06	40.55	40.78	41.70	-	-
			Mid	38.13	38.31	38.72	-	43.56	43.62
			High	40.33	40.86	40.90	42.10	-	-
	5310	62	Low	40.45	40.80	40.70	41.64	-	-
			Mid	38.16	38.13	38.71	-	43.53	43.58
			High	40.32	40.65	41.01	41.96	-	-
UNII 2C	5510	102	Low	40.24	40.76	40.93	41.63	-	-
			Mid	38.21	38.25	38.57	-	43.55	43.51
			High	40.33	40.95	41.02	41.98	-	-
	5590	118	Low	40.29	40.84	40.94	41.59	-	-
			Mid	38.09	38.30	38.58	-	43.57	43.59
			High	40.49	40.90	40.95	42.09	-	-
	5710	142	Low	40.43	40.98	40.59	41.72	-	-
			Mid	38.04	37.82	38.63	-	43.62	43.64
			High	40.82	41.09	40.57	42.21	-	-
UNII 3	5755	151	Low	40.36	40.92	40.72	41.55	-	-
			Mid	38.09	38.27	38.66	-	43.68	43.65
			High	40.25	40.47	40.97	42.32	-	-
	5795	159	Low	40.53	40.82	40.95	41.71	-	-
			Mid	38.11	38.29	38.42	-	43.66	43.64
			High	40.67	40.55	40.75	42.28	-	-

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	81.65	82.85	82.60	84.18	84.99	-	-
			Mid	78.29	78.47	79.54	82.20	-	89.12	87.21
			High	80.54	82.34	81.96	83.58	84.39	-	-
UNII 2A	5290	58	Low	80.92	82.43	81.94	84.37	85.02	-	-
			Mid	78.29	78.77	79.09	81.33	-	90.06	89.04
			High	81.04	82.87	82.15	84.58	84.38	-	-
UNII 2C	5530	106	Low	81.29	83.52	82.50	84.69	84.76	-	-
			Mid	78.09	78.62	79.32	82.33	-	87.63	89.72
			High	81.02	81.99	81.76	86.29	84.30	-	-
	5610	122	Low	81.74	83.30	83.67	84.67	84.76	-	-
			Mid	78.19	78.58	78.96	82.24	-	88.98	89.57
			High	80.86	82.60	82.09	85.58	84.26	-	-
	5690	138	Low	81.10	83.14	82.95	85.47	84.70	-	-
			Mid	78.14	78.79	78.91	82.35	-	88.25	89.75
			High	82.46	82.74	81.84	85.04	84.40	-	-
UNII 3	5775	155	Low	81.79	83.32	82.35	84.97	84.84	-	-
			Mid	78.34	78.48	79.16	82.79	-	89.62	90.05
			High	80.89	82.61	82.07	84.60	84.63	-	-

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	163.4	163.4	164.7	165.5	167.7	-	-
			Mid	158.6	158.0	159.6	162.1	-	169.5	-
			High	157.8	158.5	159.4	162.1	164.1	-	-
UNII 2C	5570	114	Low	163.6	164.2	164.8	164.5	167.0	-	-
			Mid	158.7	158.6	159.3	162.3	-	169.9	-
			High	158.4	158.3	159.3	161.8	163.5	-	-

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	156.6	158.1	158.7	162.1	164.2	-	-
			Mid	158.2	157.9	159.3	161.7	-	167.6	-
			High	164.0	164.4	163.9	166.2	167.6	-	-
UNII 2C	5570	114	Low	157.9	158.9	159.8	162.5	163.6	-	-
			Mid	158.4	159.0	159.5	162.6	-	166.4	-
			High	162.1	164.0	163.8	165.4	167.8	-	-

HE160_SU	Frequency [MHz]	Channel No.	26dB BW (MHz)
			SU
UNII 1&2A	5250	50	165.7
UNII 2C	5570	114	165.7

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	18.311	18.341	18.343	-	-
			Mid	17.237	17.068	-	19.152	19.135
			High	18.546	18.160	18.267	-	-
	5200	40	Low	18.505	18.330	18.327	-	-
			Mid	17.299	17.243	-	19.148	19.152
			High	18.533	18.226	18.295	-	-
	5240	48	Low	18.477	18.295	18.351	-	-
			Mid	17.333	17.239	-	19.156	19.137
			High	18.490	18.282	18.276	-	-
UNII 2A	5260	52	Low	18.528	18.408	18.299	-	-
			Mid	17.027	17.079	-	19.153	19.159
			High	18.674	18.244	18.337	-	-
	5280	56	Low	18.387	18.318	18.334	-	-
			Mid	17.217	17.189	-	19.158	19.161
			High	18.594	18.130	18.330	-	-
	5320	64	Low	18.509	18.372	18.332	-	-
			Mid	17.186	17.096	-	19.148	19.154
			High	18.649	18.248	18.298	-	-
UNII 2C	5500	100	Low	18.151	18.311	18.353	-	-
			Mid	17.254	17.260	-	19.163	19.166
			High	18.522	18.355	18.298	-	-
	5600	120	Low	18.455	18.267	18.353	-	-
			Mid	17.302	17.104	-	19.152	19.138
			High	18.523	18.280	18.266	-	-
	5720	144	Low	18.473	18.362	18.314	-	-
			Mid	17.090	17.265	-	19.151	19.153
			High	18.465	18.295	18.276	-	-
UNII 3	5745	149	Low	18.477	18.171	18.327	-	-
			Mid	17.317	16.831	-	19.159	19.170
			High	18.588	18.234	18.329	-	-
	5785	157	Low	18.390	18.309	18.342	-	-
			Mid	17.246	17.205	-	19.161	19.167
			High	18.609	18.123	18.330	-	-
	5825	165	Low	18.504	17.754	18.309	-	-
			Mid	17.269	17.255	-	19.148	19.150
			High	18.548	18.267	18.301	-	-

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	37.880	37.814	37.536	37.513	-	-
			Mid	36.221	36.331	36.584	-	38.029	38.040
			High	38.111	37.674	37.688	37.561	-	-
	5230	46	Low	37.951	37.672	37.502	37.496	-	-
			Mid	36.292	36.371	36.577	-	38.043	38.079
			High	38.173	37.740	37.502	37.575	-	-
UNII 2A	5270	54	Low	37.790	37.759	37.447	37.460	-	-
			Mid	36.371	36.281	36.541	-	38.037	38.050
			High	38.208	37.657	37.486	37.590	-	-
	5310	62	Low	38.008	37.816	37.445	37.447	-	-
			Mid	36.396	36.159	36.518	-	38.048	38.058
			High	38.059	37.712	37.618	37.558	-	-
UNII 2C	5510	102	Low	38.124	37.673	37.473	37.492	-	-
			Mid	36.325	36.338	36.414	-	38.046	38.054
			High	38.122	37.893	37.542	37.600	-	-
	5590	118	Low	38.084	37.485	37.498	37.451	-	-
			Mid	36.323	36.106	36.390	-	38.056	38.047
			High	37.904	37.789	37.621	37.620	-	-
	5710	142	Low	38.063	37.670	37.516	37.490	-	-
			Mid	36.175	36.080	36.459	-	38.051	38.048
			High	37.920	37.939	37.439	37.563	-	-
UNII 3	5755	151	Low	38.005	37.748	37.534	37.460	-	-
			Mid	36.343	36.159	36.547	-	38.015	38.060
			High	38.061	37.459	37.541	37.603	-	-
	5795	159	Low	38.036	37.601	37.553	37.465	-	-
			Mid	36.397	36.152	36.432	-	38.045	38.052
			High	38.310	37.642	37.500	37.597	-	-

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	78.547	78.254	77.799	77.256	77.113	-	-
			Mid	75.157	74.943	75.626	75.704	-	77.784	77.743
			High	78.338	77.864	77.116	76.905	76.977	-	-
UNII 2A	5290	58	Low	77.864	78.254	77.526	77.205	77.023	-	-
			Mid	75.129	74.955	75.404	75.667	-	78.053	77.798
			High	78.373	78.088	77.207	77.116	77.018	-	-
UNII 2C	5530	106	Low	78.706	78.176	77.525	77.366	77.057	-	-
			Mid	74.834	75.000	75.540	75.773	-	77.737	77.773
			High	78.430	77.652	77.410	77.487	77.012	-	-
	5610	122	Low	78.418	78.238	78.025	77.250	76.998	-	-
			Mid	75.200	74.764	75.425	75.727	-	77.865	77.909
			High	78.395	77.802	77.411	77.234	77.006	-	-
	5690	138	Low	78.393	78.092	77.914	77.389	77.049	-	-
			Mid	75.120	74.731	75.613	75.804	-	77.746	78.007
			High	79.181	77.954	77.299	77.229	77.014	-	-
UNII 3	5775	155	Low	78.563	77.973	77.821	77.448	77.028	-	-
			Mid	75.294	74.980	75.497	75.750	-	77.962	77.967
			High	78.269	77.963	77.207	77.200	77.024	-	-

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	157.95	157.77	157.52	156.42	156.55	-	-
			Mid	153.26	152.65	153.56	154.19	-	156.49	-
			High	153.09	152.28	153.77	153.95	154.36	-	-
UNII 2C	5570	114	Low	157.82	158.25	157.28	156.30	156.30	-	-
			Mid	152.72	152.14	153.66	153.66	-	156.46	-
			High	153.23	152.68	153.44	154.44	154.43	-	-

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	151.48	152.07	153.24	154.03	154.45	-	-
			Mid	152.39	152.52	153.58	154.20	-	156.40	-
			High	159.35	157.91	157.21	157.12	156.79	-	-
UNII 2C	5570	114	Low	153.32	152.88	153.75	154.22	154.54	-	-
			Mid	153.48	153.19	153.35	154.42	-	156.52	-
			High	158.97	158.02	157.28	156.99	156.94	-	-

HE160_SU	Frequency [MHz]	Channel No.	99% BANDWIDTH (MHz)
			SU
UNII 1&2A	5250	50	156.55
UNII 2C	5570	114	156.27

10.2.2 SISO 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	20.26	21.02	21.35	-	-
			Mid	18.69	19.04	-	22.34	22.32
			High	20.59	20.46	20.93	-	-
	5200	40	Low	20.29	20.92	21.42	-	-
			Mid	18.37	19.11	-	22.30	22.28
			High	20.59	20.42	20.87	-	-
	5240	48	Low	20.45	20.80	21.41	-	-
			Mid	18.86	19.28	-	22.29	22.37
			High	20.53	20.59	20.92	-	-
UNII 2A	5260	52	Low	20.29	20.62	21.57	-	-
			Mid	18.65	19.20	-	22.26	22.40
			High	20.48	20.29	21.06	-	-
	5280	56	Low	20.32	21.10	21.13	-	-
			Mid	18.69	19.17	-	22.42	22.33
			High	20.52	20.33	20.83	-	-
	5320	64	Low	20.60	20.83	21.41	-	-
			Mid	18.62	19.02	-	22.30	22.38
			High	20.41	20.48	20.83	-	-
UNII 2C	5500	100	Low	20.25	20.90	21.35	-	-
			Mid	18.69	19.26	-	22.25	22.30
			High	20.30	20.52	20.77	-	-
	5600	120	Low	20.49	20.82	21.33	-	-
			Mid	18.86	19.33	-	22.31	22.37
			High	20.34	20.85	20.95	-	-
	5720	144	Low	20.46	20.92	21.33	-	-
			Mid	18.71	19.03	-	22.31	22.33
			High	20.65	20.41	20.80	-	-
UNII 3	5745	149	Low	20.43	20.87	21.31	-	-
			Mid	18.68	18.95	-	22.38	22.34
			High	20.55	20.44	20.94	-	-
	5785	157	Low	20.17	21.02	21.25	-	-
			Mid	18.58	19.12	-	22.32	22.24
			High	20.49	20.37	20.78	-	-

HE20	Frequency [MHz]	Channel No.	RU Index	26 dB BW (MHz)				
				26 T	52 T	106 T	242 T	SU
	5825	165	Low	20.49	20.96	21.40	-	-
			Mid	18.89	18.77	-	22.30	22.41
			High	20.54	20.34	20.75	-	-

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	40.23	40.71	40.90	41.94	-	-
			Mid	38.24	38.22	38.47	-	43.55	43.60
			High	40.36	40.63	40.83	42.26	-	-
	5230	46	Low	40.39	40.85	40.68	42.10	-	-
			Mid	38.06	38.28	38.46	-	43.58	43.61
			High	40.39	40.52	40.74	42.00	-	-
UNII 2A	5270	54	Low	40.40	40.84	40.84	41.83	-	-
			Mid	38.06	38.21	38.68	-	43.66	43.67
			High	40.35	40.40	40.89	41.97	-	-
	5310	62	Low	40.42	40.81	40.90	41.97	-	-
			Mid	38.20	38.39	38.76	-	43.58	43.63
			High	40.29	40.51	40.88	41.89	-	-
UNII 2C	5510	102	Low	40.42	40.92	40.74	41.78	-	-
			Mid	38.14	38.35	38.73	-	43.64	43.77
			High	40.21	40.41	40.90	42.01	-	-
	5590	118	Low	40.47	40.87	40.94	42.12	-	-
			Mid	38.04	38.24	38.75	-	43.69	43.68
			High	40.33	40.39	41.14	42.40	-	-
	5710	142	Low	40.37	40.66	40.80	41.72	-	-
			Mid	38.05	38.22	38.70	-	43.73	43.55
			High	40.12	40.77	40.86	42.25	-	-
UNII 3	5755	151	Low	40.33	40.48	40.98	41.65	-	-
			Mid	38.12	38.25	38.45	-	43.57	43.53
			High	40.15	40.50	41.72	42.23	-	-
	5795	159	Low	40.44	40.62	40.89	41.66	-	-
			Mid	38.14	38.25	38.64	-	43.52	43.72
			High	40.54	40.90	41.01	42.02	-	-

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	81.68	83.59	82.11	84.79	85.39	-	-
			Mid	78.31	78.48	79.08	82.42	-	89.32	90.43
			High	81.09	81.93	82.30	84.25	84.55	-	-
UNII 2A	5290	58	Low	81.56	82.34	82.67	84.87	84.86	-	-
			Mid	78.27	78.67	79.50	82.59	-	88.30	89.00
			High	81.13	83.03	82.61	85.27	84.34	-	-
UNII 2C	5530	106	Low	81.08	83.22	82.04	83.69	85.11	-	-
			Mid	78.59	78.41	79.27	82.20	-	89.06	90.63
			High	81.81	82.24	82.27	84.52	84.17	-	-
	5610	122	Low	81.72	83.48	82.64	84.88	84.94	-	-
			Mid	77.84	78.48	78.98	82.27	-	87.98	89.16
			High	80.97	83.93	82.04	83.46	84.23	-	-
	5690	138	Low	81.95	83.68	82.65	84.06	84.85	-	-
			Mid	78.29	78.91	79.02	82.30	-	90.09	91.26
			High	80.89	82.75	82.10	84.39	84.13	-	-
UNII 3	5775	155	Low	82.51	82.79	82.51	85.04	84.54	-	-
			Mid	78.15	78.57	78.88	82.33	-	88.68	87.79
			High	80.79	82.39	81.92	85.22	84.44	-	-

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	163.2	164.3	164.4	166.0	168.2	-	-
			Mid	157.7	159.1	159.2	162.5	-	169.2	-
			High	157.9	159.2	159.0	162.1	163.7	-	-
UNII 2C	5570	114	Low	163.5	164.5	165.4	165.3	167.2	-	-
			Mid	157.7	158.4	159.1	161.8	-	170.4	-
			High	157.8	158.4	159.5	161.6	163.6	-	-

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	158.5	158.1	159.5	162.0	163.4	-	-
			Mid	158.3	158.8	159.3	162.4	-	166.4	-
			High	163.6	164.1	164.0	166.9	168.2	-	-
UNII 2C	5570	114	Low	158.1	158.6	159.3	162.7	163.2	-	-
			Mid	157.5	158.6	159.4	162.4	-	166.5	-
			High	163.8	163.8	164.0	166.3	167.3	-	-

HE160_SU	Frequency [MHz]	Channel No.	26dB BW (MHz)
			SU
UNII 1&2A	5250	50	164.6
UNII 2C	5570	114	165.3

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	18.461	18.383	18.344	-	-
			Mid	17.278	17.147	-	19.152	19.160
			High	18.519	17.850	18.271	-	-
	5200	40	Low	18.489	18.343	18.353	-	-
			Mid	17.091	17.245	-	19.152	19.153
			High	18.606	18.296	18.337	-	-
	5240	48	Low	18.491	18.075	18.321	-	-
			Mid	17.256	17.281	-	19.157	19.156
			High	18.563	18.256	18.357	-	-
UNII 2A	5260	52	Low	18.523	18.381	18.369	-	-
			Mid	17.328	17.268	-	19.157	19.136
			High	18.564	18.287	18.262	-	-
	5280	56	Low	18.502	18.430	18.344	-	-
			Mid	17.211	16.998	-	19.148	19.142
			High	18.565	18.247	18.332	-	-
	5320	64	Low	18.287	18.389	18.353	-	-
			Mid	17.289	17.202	-	19.148	19.118
			High	18.547	18.318	18.354	-	-
UNII 2C	5500	100	Low	18.490	18.351	18.307	-	-
			Mid	17.202	17.200	-	19.163	19.149
			High	18.429	18.233	18.293	-	-
	5600	120	Low	18.499	18.391	18.349	-	-
			Mid	17.198	17.167	-	19.154	19.155
			High	18.535	18.315	18.335	-	-
	5720	144	Low	18.467	18.435	18.378	-	-
			Mid	17.252	17.050	-	19.151	19.152
			High	18.533	18.280	18.314	-	-
UNII 3	5745	149	Low	18.511	18.373	18.371	-	-
			Mid	17.357	17.116	-	19.163	19.155
			High	18.547	18.307	18.274	-	-
	5785	157	Low	18.486	18.397	18.353	-	-
			Mid	16.981	17.175	-	19.155	19.156
			High	18.594	18.247	18.305	-	-
	5825	165	Low	18.492	18.341	18.340	-	-
			Mid	17.227	17.142	-	19.133	19.157
			High	18.575	18.240	18.260	-	-

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	37.801	37.780	37.563	37.488	-	-
			Mid	36.255	36.188	36.497	-	38.045	38.052
			High	38.079	37.735	37.559	37.582	-	-
	5230	46	Low	38.247	37.641	37.460	37.496	-	-
			Mid	36.012	36.282	36.468	-	38.056	38.056
			High	37.656	37.746	37.471	37.553	-	-
UNII 2A	5270	54	Low	38.077	37.806	37.496	37.457	-	-
			Mid	36.333	36.105	36.503	-	38.052	38.062
			High	38.117	37.717	37.562	37.607	-	-
	5310	62	Low	37.933	37.759	37.550	37.476	-	-
			Mid	36.230	36.404	36.411	-	38.055	38.058
			High	38.064	37.599	37.551	37.587	-	-
UNII 2C	5510	102	Low	38.200	37.794	37.492	37.513	-	-
			Mid	36.364	36.178	36.365	-	38.069	38.102
			High	38.056	37.648	37.602	37.600	-	-
	5590	118	Low	38.050	37.790	37.505	37.393	-	-
			Mid	36.334	36.072	36.554	-	38.066	38.049
			High	38.143	37.536	37.549	37.621	-	-
	5710	142	Low	38.076	37.665	37.576	37.459	-	-
			Mid	36.298	36.318	36.543	-	38.154	38.059
			High	37.927	37.736	37.563	37.598	-	-
UNII 3	5755	151	Low	37.907	37.841	37.559	37.468	-	-
			Mid	36.358	36.328	36.421	-	38.060	38.065
			High	38.079	37.674	37.670	37.586	-	-
	5795	159	Low	37.960	37.877	37.547	37.448	-	-
			Mid	36.208	36.228	36.563	-	38.043	38.091
			High	38.203	37.762	37.562	37.582	-	-

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	78.742	78.423	77.691	77.511	77.050	-	-
			Mid	75.284	74.855	75.501	75.787	-	77.863	78.230
			High	78.736	77.800	77.234	77.058	77.052	-	-
UNII 2A	5290	58	Low	78.589	77.847	77.801	77.243	77.107	-	-
			Mid	75.046	75.117	75.518	75.858	-	77.922	77.845
			High	78.623	78.214	77.294	77.161	76.935	-	-
UNII 2C	5530	106	Low	78.558	78.301	77.722	77.242	77.123	-	-
			Mid	75.245	74.692	75.646	75.801	-	77.980	78.053
			High	78.575	77.575	77.566	77.079	76.972	-	-
	5610	122	Low	78.706	78.413	77.825	77.413	77.033	-	-
			Mid	74.739	74.775	75.571	75.793	-	77.784	77.869
			High	78.211	78.111	77.279	77.001	77.011	-	-
	5690	138	Low	78.858	78.512	77.875	77.229	77.186	-	-
			Mid	75.211	75.187	75.605	75.656	-	78.029	78.237
			High	78.138	78.004	77.199	77.096	77.038	-	-
UNII 3	5775	155	Low	78.927	78.229	77.862	77.319	77.019	-	-
			Mid	75.091	74.974	75.519	75.892	-	77.786	77.765
			High	78.608	77.627	77.376	77.267	77.068	-	-

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	158.25	157.99	157.69	156.57	156.65	-	-
			Mid	153.27	153.58	153.56	154.17	-	156.44	-
			High	152.74	152.85	153.58	154.11	154.25	-	-
UNII 2C	5570	114	Low	158.67	158.40	157.51	156.78	156.43	-	-
			Mid	152.30	152.49	152.87	153.93	-	156.74	-
			High	153.13	152.87	153.79	153.92	154.44	-	-

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	153.44	152.89	153.92	154.00	154.48	-	-
			Mid	152.90	152.31	153.54	154.11	-	156.51	-
			High	159.06	157.73	157.34	156.85	156.85	-	-
UNII 2C	5570	114	Low	153.01	152.85	153.47	154.13	154.41	-	-
			Mid	152.44	152.38	153.21	153.80	-	156.53	-
			High	158.81	157.22	157.34	156.81	156.91	-	-

HE160_SU	Frequency [MHz]	Channel No.	99% BANDWIDTH (MHz)
			SU
UNII 1&2A	5250	50	156.43
UNII 2C	5570	114	156.33

10.3 6 dB BANDWIDTH

10.3.1 SISO 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	2.115	17.10	17.72	-	-
			Mid	2.684	15.12	-	19.08	19.09
			High	2.158	17.07	17.10	-	-
	5785	157	Low	2.133	17.11	17.73	-	-
			Mid	2.710	15.03	-	19.09	19.09
			High	2.125	17.07	17.16	-	-
	5825	165	Low	2.139	17.08	17.72	-	-
			Mid	2.758	15.09	-	19.08	19.09
			High	2.129	17.05	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	2.154	4.186	36.59	37.74	-	-
			Mid	2.148	4.150	35.11	-	38.33	38.33
			High	2.190	4.167	36.61	36.80	-	-
	5795	159	Low	2.122	4.202	36.60	37.77	-	-
			Mid	2.161	4.174	35.09	-	38.33	38.34
			High	2.187	4.248	36.58	36.80	-	-

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	2.266	4.302	8.420	76.86	76.98	-	-
			Mid	2.829	4.279	8.423	75.29	-	78.28	78.25
			High	2.257	4.262	8.491	76.82	77.03	-	-

Limit : > 0.5 MHz

10.3.2 SISO Ant2

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	2.125	17.11	17.72	-	-
			Mid	2.709	15.10	-	19.07	19.09
			High	2.115	17.07	17.16	-	-
	5785	157	Low	2.091	17.10	17.74	-	-
			Mid	2.698	15.08	-	19.09	19.09
			High	2.113	17.08	17.16	-	-
	5825	165	Low	2.117	17.14	17.74	-	-
			Mid	2.695	15.13	-	19.08	19.08
			High	2.138	15.83	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	2.128	4.218	36.59	37.78	-	-
			Mid	2.152	4.158	35.09	-	38.33	38.33
			High	2.167	4.162	36.61	36.80	-	-
	5795	159	Low	2.147	4.223	36.61	37.78	-	-
			Mid	2.162	4.150	35.12	-	38.32	38.33
			High	2.133	4.220	36.60	36.80	-	-

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	2.254	4.274	8.442	76.84	76.98	-	-
			Mid	2.826	4.311	8.438	75.32	-	78.37	78.38
			High	2.282	4.320	8.468	76.84	77.02	-	-

Limit : > 0.5 MHz

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.

10.4.1 SISO Ant 1

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	7.41	10.08	10.11	-	-
				Mid	7.09	9.95	-	10.26	10.17
				High	7.53	10.24	10.21	-	-
		5200	40	Low	7.45	10.52	11.14	-	-
				Mid	7.17	10.35	-	14.42	14.33
				High	7.58	10.64	11.22	-	-
		5240	48	Low	7.57	10.62	11.44	-	-
				Mid	7.18	10.46	-	14.44	14.35
				High	7.61	10.70	11.51	-	-
	UNII 2a	5260	52	Low	10.05	10.64	10.70	-	-
				Mid	9.70	10.46	-	13.76	13.66
				High	10.09	10.68	10.76	-	-
		5280	56	Low	10.09	10.69	10.73	-	-
				Mid	9.68	10.49	-	13.74	13.65
				High	10.07	10.68	10.73	-	-
		5320	64	Low	9.77	9.57	9.57	-	-
				Mid	9.37	9.35	-	9.59	9.49
				High	9.71	9.53	9.55	-	-
	UNII 2c	5500	100	Low	10.97	11.86	11.89	-	-
				Mid	10.61	11.66	-	10.95	10.85
				High	10.95	11.81	11.84	-	-
		5600	120	Low	9.68	10.95	11.01	-	-
				Mid	9.29	10.75	-	13.71	13.63
				High	9.69	10.95	10.99	-	-
		5720	144	Low	9.93	10.59	10.70	-	-
				Mid	9.55	10.45	-	13.56	13.46
				High	9.89	10.62	10.68	-	-
	UNII 3	5745	149	Low	10.02	10.75	10.79	-	-
				Mid	9.64	10.56	-	13.67	13.56
				High	10.04	10.75	10.78	-	-
		5785	157	Low	9.36	10.36	10.37	-	-
				Mid	8.98	10.16	-	13.30	13.23
				High	9.36	10.34	10.34	-	-
		5825	165	Low	9.61	9.32	9.31	-	-
				Mid	9.19	9.12	-	9.32	9.24
				High	9.58	9.29	9.28	-	-

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	7.28	10.17	10.24	10.17	-	-
				Mid	7.21	10.14	10.19	-	10.31	10.15
				High	7.50	10.41	10.41	10.28	-	-
		5230	46	Low	7.38	10.65	11.47	14.35	-	-
				Mid	7.31	10.57	11.46	-	14.48	14.33
				High	7.53	10.82	11.67	14.46	-	-
	UNII 2a	5270	54	Low	9.85	10.77	10.80	13.75	-	-
				Mid	9.69	10.62	10.68	-	13.85	13.71
				High	9.89	10.77	10.82	13.76	-	-
		5310	62	Low	9.59	9.67	9.73	9.61	-	-
				Mid	9.34	9.48	9.59	-	9.70	9.53
				High	9.50	9.63	9.65	9.58	-	-
	UNII 2c	5510	102	Low	10.89	11.93	11.94	10.95	-	-
				Mid	10.60	11.80	11.86	-	10.81	10.85
				High	10.73	11.92	11.93	10.88	-	-
		5590	118	Low	9.50	11.07	11.09	13.72	-	-
				Mid	9.33	10.93	10.96	-	13.80	13.63
				High	9.49	11.05	11.07	13.71	-	-
		5710	142	Low	9.85	10.76	10.80	13.59	-	-
				Mid	9.63	10.58	10.64	-	13.66	13.50
				High	9.78	10.75	10.76	13.55	-	-
	UNII 3	5755	151	Low	9.91	10.88	10.88	13.65	-	-
				Mid	9.69	10.70	10.76	-	13.76	13.58
				High	9.87	10.87	10.88	13.66	-	-
		5795	159	Low	9.19	9.27	9.32	9.23	-	-
				Mid	8.97	9.10	9.18	-	9.28	9.14
				High	9.12	9.23	9.27	9.17	-	-

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	7.29	10.39	10.34	10.43	10.49	-	-
				Mid	7.35	10.53	10.51	10.50	-	10.73	10.44
				High	7.72	10.88	10.83	10.81	10.71	-	-
	UNII 2A	5290	58	Low	10.40	10.37	10.38	10.42	10.35	-	-
				Mid	10.28	10.31	10.30	10.37	-	10.48	10.15
				High	10.31	10.36	10.33	10.37	10.34	-	-
	UNII 2C	5530	106	Low	10.17	10.22	10.18	10.35	10.28	-	-
				Mid	9.86	9.93	9.95	10.22	-	10.31	10.02
				High	9.91	9.92	10.08	10.17	10.17	-	-
		5610	122	Low	9.84	11.44	11.41	14.08	14.04	-	-
				Mid	9.65	11.26	11.25	13.99	-	12.27	11.95
				High	9.67	11.24	11.25	13.94	13.95	-	-
		5690	138	Low	10.43	11.26	11.24	14.04	13.96	-	-
				Mid	10.09	10.96	10.96	13.87	-	12.18	11.87
				High	10.23	11.03	11.01	13.86	13.93	-	-
	UNII 3	5775	155	Low	9.54	9.50	9.50	9.52	9.55	-	-
				Mid	9.38	9.38	9.40	9.46	-	9.57	9.26
				High	9.51	9.48	9.47	9.50	9.45	-	-

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	-1.59	-1.66	-1.84	-1.80	-1.90	-	-
				Mid	-1.92	-1.95	-2.22	-2.04	-	-2.34	-
				High	-2.11	-2.07	-2.35	-2.28	-2.20	-	-
	UNII 2C	5570	114	Low	10.08	11.14	11.24	11.13	11.12	-	-
				Mid	9.73	10.82	10.90	11.10	-	11.76	-
				High	9.46	10.56	10.70	10.87	10.95	-	-

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	-2.07	-2.06	-2.30	-2.23	-2.21	-	-
				Mid	-1.99	-1.99	-2.25	-2.21	-	-2.43	-
				High	-1.93	-1.91	-2.10	-2.12	-2.15	-	-
	UNII 2C	5570	114	Low	9.46	10.55	10.69	10.84	10.83	-	-
				Mid	9.43	10.62	11.26	10.81	-	11.46	-
				High	9.52	10.73	10.80	10.89	10.86	-	-

HE160_SU		Frequency [MHz]	Channel No.	Max. Average Power (dBm)
				SU
Max Output Power (dBm)	UNII 1&2A	5250	50	-2.72
	UNII 2C	5570	114	11.47

10.4.2 SISO Ant 2

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	6.37	9.61	9.68	-	-
				Mid	5.98	9.47	-	9.61	9.64
				High	6.34	9.62	9.71	-	-
		5200	40	Low	6.36	9.54	10.49	-	-
				Mid	5.99	9.38	-	13.71	13.70
				High	6.40	9.59	10.51	-	-
		5240	48	Low	6.46	9.33	10.76	-	-
				Mid	6.08	9.19	-	13.57	13.55
				High	6.47	9.35	10.76	-	-
	UNII 2a	5260	52	Low	10.44	11.23	11.25	-	-
				Mid	10.05	11.05	-	14.32	14.32
				High	10.45	11.24	11.26	-	-
		5280	56	Low	10.38	11.16	11.19	-	-
				Mid	9.97	10.98	-	14.27	14.26
				High	10.32	11.13	11.16	-	-
		5320	64	Low	9.40	9.26	9.33	-	-
				Mid	9.00	9.08	-	9.32	9.33
				High	9.34	9.23	9.28	-	-
	UNII 2c	5500	100	Low	10.17	11.14	11.16	-	-
				Mid	9.80	10.96	-	10.06	10.00
				High	10.16	11.12	11.16	-	-
		5600	120	Low	9.67	10.56	10.57	-	-
				Mid	9.24	10.36	-	13.70	13.68
				High	9.66	10.55	10.56	-	-
		5720	144	Low	9.15	9.88	9.90	-	-
				Mid	8.72	9.67	-	13.15	13.16
				High	9.14	9.87	9.89	-	-
	UNII 3	5745	149	Low	9.09	10.33	10.33	-	-
				Mid	8.70	10.12	-	13.22	13.22
				High	9.06	10.32	10.32	-	-
		5785	157	Low	8.91	9.76	9.78	-	-
				Mid	8.52	9.56	-	12.99	12.98
				High	8.83	9.72	9.76	-	-
		5825	165	Low	9.88	9.75	9.79	-	-
				Mid	9.41	9.49	-	9.75	9.77
				High	9.87	9.74	9.76	-	-

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	6.27	9.69	9.66	9.74	-	-
				Mid	6.07	9.46	9.55	-	9.86	9.91
				High	6.28	9.70	9.67	9.75	-	-
		5230	46	Low	6.29	9.51	10.71	13.63	-	-
				Mid	6.19	9.44	10.63	-	13.77	13.80
				High	6.36	9.58	10.76	13.65	-	-
	UNII 2a	5270	54	Low	10.32	11.30	11.38	14.41	-	-
				Mid	10.08	11.09	11.22	-	14.49	14.55
				High	10.33	11.31	11.39	14.42	-	-
		5310	62	Low	9.37	9.38	9.49	9.43	-	-
				Mid	9.12	9.19	9.34	-	9.53	9.55
				High	9.26	9.35	9.40	9.40	-	-
	UNII 2c	5510	102	Low	10.11	11.28	11.35	9.97	-	-
				Mid	9.87	11.06	11.18	-	10.10	10.10
				High	10.10	11.26	11.34	9.97	-	-
		5590	118	Low	9.51	10.65	10.74	13.85	-	-
				Mid	9.31	10.45	10.58	-	13.88	13.94
				High	9.50	10.63	10.73	13.81	-	-
		5710	142	Low	9.04	9.98	10.10	13.32	-	-
				Mid	8.81	9.80	9.94	-	13.40	13.43
				High	9.03	9.97	10.08	13.30	-	-
	UNII 3	5755	151	Low	8.93	10.41	10.50	13.34	-	-
				Mid	8.71	10.22	10.34	-	13.43	13.45
				High	8.92	10.39	10.47	13.32	-	-
		5795	159	Low	8.77	8.84	8.96	8.89	-	-
				Mid	8.57	8.69	8.84	-	9.00	9.00
				High	8.76	8.83	8.91	8.85	-	-

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	6.30	9.49	9.47	9.51	9.46	-	-
				Mid	6.14	9.29	9.34	9.43	-	9.53	9.49
				High	6.33	9.50	9.47	9.51	9.45	-	-
	UNII 2A	5290	58	Low	10.43	10.44	10.45	10.42	10.38	-	-
				Mid	10.23	10.26	10.21	10.32	-	10.41	10.36
				High	10.27	10.27	10.29	10.30	10.31	-	-
	UNII 2C	5530	106	Low	8.96	8.94	8.96	8.93	8.91	-	-
				Mid	8.79	8.84	8.83	8.86	-	8.97	8.93
				High	8.93	8.91	8.91	8.92	8.91	-	-
		5610	122	Low	9.58	10.65	10.63	13.77	13.69	-	-
				Mid	9.48	10.50	10.52	13.66	-	11.74	11.70
				High	9.57	10.64	10.61	13.75	13.73	-	-
		5690	138	Low	8.99	9.68	9.68	13.05	12.98	-	-
				Mid	8.72	9.59	9.56	12.92	-	10.99	10.98
				High	8.91	9.63	9.63	13.03	12.98	-	-
	UNII 3	5775	155	Low	8.95	9.00	9.01	9.03	8.93	-	-
				Mid	8.80	8.83	8.85	8.91	-	9.02	8.97
				High	8.94	8.99	8.99	9.02	8.99	-	-

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	0.68	0.69	0.56	0.57	0.45	-	-
				Mid	0.44	0.46	0.31	0.44	-	0.07	-
				High	0.33	0.36	0.21	0.30	0.28	-	-
	UNII 2C	5570	114	Low	9.83	10.89	10.88	10.83	10.84	-	-
				Mid	9.62	10.72	10.70	10.81	-	11.29	-
				High	9.53	10.62	10.58	10.65	10.68	-	-

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	0.32	0.38	0.16	0.21	0.28	-	-
				Mid	0.40	0.39	0.26	0.25	-	0.06	-
				High	0.64	0.61	0.17	0.47	0.38	-	-
	UNII 2C	5570	114	Low	9.55	10.60	10.58	10.67	10.68	-	-
				Mid	9.70	10.77	9.91	10.72	-	11.31	-
				High	9.88	10.99	10.92	10.95	10.87	-	-

HE160_SU		Frequency [MHz]	Channel No.	Max. Average Power (dBm)
				SU
Max Output Power (dBm)	UNII 1&2A	5250	50	-0.26
	UNII 2C	5570	114	11.16

10.4.3 SUM (SISO Ant 1 + SISO 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	9.93	12.86	12.91	-	-
				Mid	9.58	12.73	-	12.95	12.93
				High	9.99	12.95	12.98	-	-
		5200	40	Low	9.95	13.07	13.84	-	-
				Mid	9.63	12.91	-	17.09	17.04
				High	10.04	13.15	13.89	-	-
		5240	48	Low	10.06	13.03	14.12	-	-
				Mid	9.68	12.88	-	17.04	16.98
				High	10.09	13.08	14.16	-	-
	UNII 2A	5260	52	Low	13.26	13.96	14.00	-	-
				Mid	12.89	13.78	-	17.06	17.01
				High	13.28	13.98	14.03	-	-
		5280	56	Low	13.24	13.94	13.98	-	-
				Mid	12.84	13.75	-	17.02	16.98
				High	13.21	13.92	13.96	-	-
		5320	64	Low	12.60	12.42	12.46	-	-
				Mid	12.20	12.23	-	12.47	12.42
				High	12.54	12.39	12.43	-	-
	UNII 2C	5500	100	Low	13.60	14.53	14.55	-	-
				Mid	13.24	14.33	-	13.54	13.46
				High	13.58	14.49	14.53	-	-
		5600	120	Low	12.68	13.77	13.81	-	-
				Mid	12.28	13.57	-	16.72	16.66
				High	12.68	13.77	13.79	-	-
		5720	144	Low	12.57	13.26	13.33	-	-
				Mid	12.17	13.08	-	16.37	16.32
				High	12.54	13.27	13.31	-	-
	UNII 3	5745	149	Low	12.59	13.56	13.58	-	-
				Mid	12.21	13.36	-	16.46	16.40
				High	12.58	13.55	13.57	-	-
		5785	157	Low	12.15	13.08	13.09	-	-
				Mid	11.76	12.88	-	16.16	16.12
				High	12.12	13.05	13.07	-	-
		5825	165	Low	12.76	12.55	12.57	-	-
				Mid	12.31	12.32	-	12.55	12.53
				High	12.74	12.53	12.54	-	-

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	9.82	12.95	12.97	12.97	-	-
				Mid	9.69	12.83	12.89	-	13.10	13.05
				High	9.94	13.08	13.06	13.03	-	-
		5230	46	Low	9.88	13.13	14.12	17.02	-	-
				Mid	9.80	13.05	14.08	-	17.15	17.08
				High	10.00	13.26	14.25	17.08	-	-
	UNII 2A	5270	54	Low	13.10	14.05	14.11	17.10	-	-
				Mid	12.90	13.87	13.97	-	17.20	17.16
				High	13.12	14.06	14.12	17.11	-	-
		5310	62	Low	12.49	12.54	12.62	12.53	-	-
				Mid	12.24	12.35	12.48	-	12.62	12.55
				High	12.39	12.50	12.54	12.50	-	-
	UNII 2C	5510	102	Low	13.53	14.63	14.66	13.50	-	-
				Mid	13.26	14.46	14.54	-	13.48	13.50
				High	13.44	14.61	14.65	13.46	-	-
		5590	118	Low	12.51	13.88	13.93	16.79	-	-
				Mid	12.33	13.71	13.79	-	16.85	16.79
				High	12.51	13.86	13.92	16.77	-	-
		5710	142	Low	12.47	13.40	13.47	16.47	-	-
				Mid	12.25	13.22	13.31	-	16.54	16.48
				High	12.43	13.39	13.45	16.44	-	-
	UNII 3	5755	151	Low	12.46	13.66	13.71	16.51	-	-
				Mid	12.24	13.48	13.56	-	16.61	16.52
				High	12.43	13.65	13.69	16.50	-	-
		5795	159	Low	12.00	12.07	12.16	12.07	-	-
				Mid	11.79	11.91	12.02	-	12.15	12.08
				High	11.96	12.05	12.11	12.02	-	-

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	9.84	12.97	12.94	13.00	13.01	-	-
				Mid	9.79	12.96	12.97	13.00	-	13.18	13.00
				High	10.09	13.25	13.22	13.22	13.13	-	-
	UNII 2A	5290	58	Low	13.43	13.42	13.42	13.43	13.37	-	-
				Mid	13.27	13.30	13.26	13.35	-	13.45	13.27
				High	13.30	13.32	13.32	13.34	13.34	-	-
	UNII 2C	5530	106	Low	12.62	12.64	12.62	12.71	12.66	-	-
				Mid	12.37	12.43	12.44	12.61	-	12.70	12.52
				High	12.46	12.45	12.54	12.60	12.59	-	-
		5610	122	Low	12.72	14.07	14.05	16.93	16.88	-	-
				Mid	12.57	13.91	13.91	16.84	-	15.02	14.84
				High	12.63	13.96	13.95	16.86	16.85	-	-
		5690	138	Low	12.78	13.55	13.54	16.58	16.51	-	-
				Mid	12.47	13.34	13.33	16.43	-	14.64	14.46
				High	12.63	13.40	13.39	16.47	16.49	-	-
	UNII 3	5775	155	Low	12.27	12.27	12.27	12.29	12.26	-	-
				Mid	12.11	12.13	12.15	12.20	-	12.31	12.13
				High	12.25	12.25	12.25	12.27	12.24	-	-

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	2.70	2.68	2.53	2.55	2.44	-	-
				Mid	2.43	2.43	2.24	2.38	-	2.04	-
				High	2.29	2.32	2.13	2.21	2.23	-	-
	UNII 2C	5570	114	Low	12.97	14.02	14.07	14.00	13.99	-	-
				Mid	12.69	13.78	13.81	13.97	-	14.54	-
				High	12.50	13.60	13.65	13.78	13.83	-	-

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	2.30	2.34	2.11	2.17	2.22	-	-
				Mid	2.38	2.37	2.20	2.20	-	2.00	-
				High	2.56	2.54	2.20	2.37	2.30	-	-
	UNII 2C	5570	114	Low	12.51	13.59	13.65	13.77	13.77	-	-
				Mid	12.58	13.70	13.65	13.78	-	14.40	-
				High	12.71	13.87	13.87	13.93	13.88	-	-

HE160_SU		Frequency [MHz]	Channel No.	SUM Power (dBm)
				SU
Max Output Power (dBm)	UNII 1&2A	5250	50	1.69
	UNII 2C	5570	114	14.33

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

10.5 POWER SPECTRAL DENSITY

10.5.1 SISO 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	4.488	4.709	1.610	-	-
				Mid	3.111	4.434	-	-1.783	-1.859
				High	4.468	4.684	1.791	-	-
		5200	40	Low	4.745	4.653	2.759	-	-
				Mid	3.251	4.512	-	2.466	2.421
				High	4.636	4.791	2.842	-	-
		5240	48	Low	4.767	5.043	3.210	-	-
				Mid	3.129	4.679	-	2.790	2.556
				High	4.908	4.978	3.242	-	-
	UNII 2A	5260	52	Low	7.623	5.408	2.227	-	-
				Mid	6.355	5.338	-	1.974	1.937
				High	7.594	5.266	2.345	-	-
		5280	56	Low	7.860	5.359	2.388	-	-
				Mid	6.247	5.069	-	1.982	1.992
				High	7.604	5.338	2.393	-	-
		5320	64	Low	7.275	4.156	1.192	-	-
				Mid	5.569	4.089	-	-1.953	-2.196
				High	7.151	4.216	1.176	-	-
	UNII 2C	5500	100	Low	8.293	6.462	3.508	-	-
				Mid	6.888	6.095	-	1.148	1.031
				High	8.144	6.299	3.285	-	-
		5600	120	Low	7.212	5.591	2.633	-	-
				Mid	5.528	5.332	-	1.965	1.748
				High	6.933	5.507	2.673	-	-
		5720	144	Low	7.599	5.342	2.384	-	-
				Mid	6.099	5.247	-	1.799	1.641
				High	7.449	5.266	2.285	-	-
	UNII 3	5745	149	Low	4.835	2.581	-0.382	-	-
				Mid	4.264	2.405	-	-0.810	-1.099
				High	4.990	2.690	-0.220	-	-
		5785	157	Low	4.104	2.151	-0.827	-	-
				Mid	3.474	1.864	-	-1.063	-1.319
				High	4.132	2.139	-0.785	-	-
		5825	165	Low	4.634	1.331	-1.589	-	-
				Mid	3.830	1.188	-	-4.901	-4.888
				High	4.402	1.563	-1.378	-	-

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	4.340	4.572	1.745	-1.659	-	-
				Mid	4.062	4.787	1.624	-	-4.490	-4.650
				High	4.442	4.909	1.840	-1.437	-	-
		5230	46	Low	4.267	4.942	3.212	2.475	-	-
				Mid	4.307	4.984	3.032	-	-0.162	-0.422
				High	4.438	5.176	3.324	2.702	-	-
	UNII 2A	5270	54	Low	7.420	5.427	2.333	1.816	-	-
				Mid	7.310	5.252	2.375	-	-0.929	-1.056
				High	7.594	5.456	2.370	1.955	-	-
		5310	62	Low	6.931	4.369	1.392	-2.268	-	-
				Mid	7.099	4.377	1.191	-	-4.766	-5.166
				High	6.659	4.322	1.142	-2.347	-	-
	UNII 2C	5510	102	Low	8.445	6.808	3.620	1.040	-	-
				Mid	8.057	6.250	3.410	-	-1.570	-1.791
				High	8.220	6.414	3.436	1.035	-	-
		5590	118	Low	6.775	5.979	2.721	1.837	-	-
				Mid	6.772	5.651	2.561	-	-0.802	-1.116
				High	6.878	5.754	2.800	1.795	-	-
		5710	142	Low	7.364	5.508	2.459	1.763	-	-
				Mid	6.988	5.240	2.382	-	-1.090	-1.260
				High	7.302	5.476	2.418	1.596	-	-
	UNII 3	5755	151	Low	4.681	2.745	-0.233	-1.038	-	-
				Mid	4.423	2.724	-0.411	-	-3.739	-3.765
				High	4.358	2.833	-0.221	-0.979	-	-
		5795	159	Low	3.948	1.146	-1.914	-5.336	-	-
				Mid	3.746	0.948	-2.097	-	-8.180	-8.367
				High	3.825	0.908	-1.926	-5.585	-	-

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	4.616	4.911	1.855	-1.542	-4.471	-	-
				Mid	3.502	5.116	1.839	-1.469	-	-7.243	-7.471
				High	4.679	5.222	2.210	-1.383	-4.476	-	-
	UNII 2A	5290	58	Low	7.424	4.954	2.076	-1.637	-4.688	-	-
				Mid	6.456	4.595	1.627	-1.829	-	-7.460	-7.898
				High	7.556	4.600	1.800	-1.805	-4.730	-	-
	UNII 2C	5530	106	Low	7.700	4.889	1.919	-1.586	-4.617	-	-
				Mid	6.326	4.601	1.565	-1.732	-	-7.661	-7.869
				High	7.229	4.588	1.321	-1.882	-4.743	-	-
		5610	122	Low	7.039	5.851	2.928	2.082	-1.039	-	-
				Mid	5.578	5.714	2.742	1.903	-	-5.661	-6.143
				High	6.811	5.634	2.659	1.739	-1.226	-	-
		5690	138	Low	7.754	5.878	2.788	2.065	-1.012	-	-
				Mid	6.569	5.382	2.381	1.972	-	-5.809	-6.211
				High	7.465	5.543	2.545	1.856	-1.172	-	-
	UNII 3	5775	155	Low	4.033	0.879	-2.009	-5.453	-8.255	-	-
				Mid	3.360	0.672	-2.118	-5.513	-	-11.128	-11.539
				High	3.595	1.227	-2.166	-5.658	-8.624	-	-

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	-4.933	-7.707	-10.696	-14.560	-17.364	-	-
				Mid	-6.354	-8.053	-11.183	-14.537	-	-20.595	-
				High	-5.118	-8.049	-11.216	-14.732	-17.580	-	-
	UNII 2C	5570	114	Low	6.960	5.374	2.283	-1.179	-4.341	-	-
				Mid	5.197	4.797	1.824	-1.397	-	-6.368	-
				High	5.692	4.562	1.392	-2.079	-4.793	-	-

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	-5.082	-7.993	-11.102	-14.856	-17.913	-	-
				Mid	-6.540	-8.115	-11.344	-14.753	-	-20.780	-
				High	-5.563	-8.184	-11.375	-14.647	-17.847	-	-
	UNII 2C	5570	114	Low	6.004	4.828	1.475	-2.023	-5.088	-	-
				Mid	4.909	4.365	2.474	-2.000	-	-7.197	-
				High	5.849	4.743	1.670	-1.963	-4.919	-	-

HE160_SU		Frequency [MHz]	Channel No.	Max. Power Spectral Density (dBm)
				SU
Max Output PSD (dBm)	UNII 1&2A	5250	50	-23.550
	UNII 2C	5570	114	-9.860

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

Limit(UNII 3) : 30.0 dBm/500 kHz

10.5.2 SISO 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	3.657	4.119	1.109	-	-
				Mid	2.330	3.724	-	-2.352	-2.512
				High	3.569	4.034	1.066	-	-
		5200	40	Low	3.790	4.021	1.933	-	-
				Mid	2.483	3.928	-	1.641	1.617
				High	3.772	4.105	1.917	-	-
		5240	48	Low	3.874	4.058	2.332	-	-
				Mid	2.805	3.817	-	1.625	1.840
				High	3.919	4.316	2.367	-	-
	UNII 2A	5260	52	Low	7.734	5.808	2.805	-	-
				Mid	6.394	5.818	-	2.484	2.598
				High	7.718	5.883	2.883	-	-
		5280	56	Low	7.958	5.919	2.950	-	-
				Mid	6.367	5.631	-	2.525	2.554
				High	7.743	5.874	2.882	-	-
		5320	64	Low	7.072	4.284	1.084	-	-
				Mid	5.734	3.972	-	-2.306	-2.433
				High	7.099	4.071	1.265	-	-
	UNII 2C	5500	100	Low	7.567	5.909	3.140	-	-
				Mid	6.328	5.547	-	0.293	0.104
				High	7.275	5.691	2.688	-	-
		5600	120	Low	6.972	5.040	2.266	-	-
				Mid	5.809	4.842	-	1.676	1.417
				High	7.023	5.224	1.976	-	-
		5720	144	Low	6.555	4.224	1.190	-	-
				Mid	5.395	3.954	-	1.240	1.165
				High	6.714	4.080	1.254	-	-
	UNII 3	5745	149	Low	3.852	2.012	-0.745	-	-
				Mid	3.084	1.683	-	-1.635	-1.653
				High	3.785	1.987	-1.008	-	-
		5785	157	Low	3.917	1.465	-1.490	-	-
				Mid	3.623	1.208	-	-1.885	-1.865
				High	3.838	1.483	-1.575	-	-
		5825	165	Low	4.728	1.618	-1.227	-	-
				Mid	4.317	1.322	-	-4.763	-4.635
				High	4.935	1.852	-1.176	-	-

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	3.428	3.990	1.151	-2.460	-	-
				Mid	3.187	3.958	1.065	-	-5.139	-5.113
				High	3.413	4.285	1.085	-2.392	-	-
		5230	46	Low	3.398	3.892	2.214	1.436	-	-
				Mid	3.481	4.035	2.099	-	-1.259	-1.311
				High	3.440	4.048	2.231	1.513	-	-
	UNII 2A	5270	54	Low	7.378	5.931	2.977	2.370	-	-
				Mid	7.276	5.607	2.768	-	-0.260	-0.421
				High	7.374	5.860	2.942	2.315	-	-
		5310	62	Low	6.759	3.968	1.061	-2.499	-	-
				Mid	6.445	3.935	0.979	-	-5.236	-5.237
				High	6.622	4.111	1.011	-2.559	-	-
	UNII 2C	5510	102	Low	7.147	5.852	3.050	0.197	-	-
				Mid	7.185	5.734	2.673	-	-2.409	-2.583
				High	7.059	5.820	2.790	0.191	-	-
		5590	118	Low	6.636	5.195	2.162	1.555	-	-
				Mid	6.450	4.899	2.024	-	-1.248	-1.226
				High	6.604	5.069	2.124	1.600	-	-
		5710	142	Low	6.129	4.111	1.143	1.121	-	-
				Mid	5.901	4.138	0.946	-	-1.699	-1.649
				High	6.303	3.973	1.112	0.966	-	-
	UNII 3	5755	151	Low	3.277	1.935	-0.891	-1.877	-	-
				Mid	3.422	2.021	-1.156	-	-4.500	-4.668
				High	3.740	2.273	-0.749	-1.616	-	-
		5795	159	Low	3.369	0.584	-2.315	-6.133	-	-
				Mid	3.390	0.488	-2.380	-	-8.792	-8.731
				High	3.684	0.756	-2.422	-5.981	-	-

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	3.649	3.920	1.005	-2.544	-5.563	-	-
				Mid	2.390	3.830	0.688	-2.747	-	-8.211	-8.502
				High	3.616	3.834	0.910	-2.755	-5.731	-	-
	UNII 2A	5290	58	Low	7.600	4.844	1.780	-1.695	-4.698	-	-
				Mid	6.480	4.633	1.467	-1.949	-	-7.621	-7.727
				High	7.462	4.845	1.587	-1.994	-4.821	-	-
	UNII 2C	5530	106	Low	6.346	3.594	0.223	-3.114	-6.131	-	-
				Mid	5.291	3.266	0.037	-3.125	-	-9.011	-9.012
				High	6.170	3.310	0.352	-2.985	-5.951	-	-
		5610	122	Low	6.884	5.083	2.032	1.848	-1.395	-	-
				Mid	5.536	4.904	1.829	1.510	-	-6.271	-6.481
				High	6.734	4.952	2.216	1.653	-1.463	-	-
		5690	138	Low	6.420	4.269	1.219	1.142	-1.905	-	-
				Mid	4.798	4.338	1.257	0.977	-	-6.864	-7.014
				High	6.145	4.484	1.299	1.072	-1.946	-	-
	UNII 3	5775	155	Low	3.174	0.411	-2.440	-6.117	-9.195	-	-
				Mid	2.803	0.237	-2.665	-6.275	-	-11.886	-11.996
				High	2.986	0.622	-2.712	-6.231	-9.156	-	-

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	-2.872	-5.263	-8.357	-12.077	-15.012	-	-
				Mid	-3.502	-5.529	-8.756	-12.033	-	-18.048	-
				High	-2.663	-5.631	-8.580	-12.311	-15.286	-	-
	UNII 2C	5570	114	Low	6.246	4.812	1.895	-1.759	-4.803	-	-
				Mid	5.140	4.600	1.537	-1.904	-	-7.048	-
				High	6.003	4.298	1.346	-2.094	-5.033	-	-

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	-2.828	-5.354	-8.646	-12.230	-15.138	-	-
				Mid	-3.933	-5.723	-8.611	-12.294	-	-18.156	-
				High	-3.074	-5.397	-9.171	-12.150	-15.286	-	-
	UNII 2C	5570	114	Low	6.071	4.202	1.327	-2.252	-5.245	-	-
				Mid	5.118	4.575	1.247	-2.023	-	-7.461	-
				High	6.302	4.751	1.579	-1.897	-4.723	-	-

HE160_SU		Frequency [MHz]	Channel No.	Max. Power Spectral Density (dBm)
				SU
Max Output PSD (dBm)	UNII 1&2A	5250	50	-21.153
	UNII 2C	5570	114	-10.213

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

Limit(UNII 3) : 30.0 dBm/500 kHz

10.5.3 SUM (SISO Ant 1 + SISO 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	7.102	7.434	4.377	-	-
				Mid	5.748	7.103	-	0.953	0.889
				High	7.052	7.381	4.454	-	-
		5200	40	Low	7.304	7.358	5.376	-	-
				Mid	5.894	7.240	-	5.084	5.101
				High	7.235	7.471	5.415	-	-
		5240	48	Low	7.353	7.588	5.804	-	-
				Mid	5.980	7.279	-	5.257	5.276
				High	7.451	7.670	5.837	-	-
	UNII 2A	5260	52	Low	10.689	8.623	5.536	-	-
				Mid	9.384	8.595	-	5.247	5.335
				High	10.666	8.595	5.633	-	-
		5280	56	Low	10.919	8.658	5.689	-	-
				Mid	9.317	8.369	-	5.273	5.338
				High	10.684	8.624	5.655	-	-
		5320	64	Low	10.185	7.230	4.149	-	-
				Mid	8.662	7.041	-	0.885	0.747
				High	10.135	7.154	4.231	-	-
	UNII 2C	5500	100	Low	10.955	9.204	6.338	-	-
				Mid	9.627	8.840	-	3.752	3.656
				High	10.741	9.016	6.007	-	-
		5600	120	Low	10.104	8.334	5.464	-	-
				Mid	8.681	8.104	-	4.834	4.646
				High	9.988	8.378	5.349	-	-
		5720	144	Low	10.118	7.829	4.838	-	-
				Mid	8.771	7.658	-	4.539	4.471
				High	10.107	7.723	4.811	-	-
	UNII 3	5745	149	Low	7.381	5.316	2.451	-	-
				Mid	6.724	5.069	-	1.808	1.695
				High	7.439	5.363	2.414	-	-
		5785	157	Low	7.021	4.831	1.865	-	-
				Mid	6.559	4.558	-	1.556	1.479
				High	6.997	4.833	1.849	-	-
		5825	165	Low	7.691	4.487	1.606	-	-
				Mid	7.090	4.265	-	-1.821	-1.702
				High	7.687	4.720	1.735	-	-

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	6.918	7.301	4.468	0.969	-	-
				Mid	6.656	7.402	4.364	-	-1.792	-1.767
				High	6.968	7.618	4.489	1.122	-	-
		5230	46	Low	6.864	7.459	5.752	4.996	-	-
				Mid	6.923	7.545	5.601	-	2.334	2.269
				High	6.977	7.658	5.822	5.158	-	-
	UNII 2A	5270	54	Low	10.409	8.696	5.677	5.112	-	-
				Mid	10.303	8.443	5.586	-	2.429	2.370
				High	10.495	8.673	5.675	5.149	-	-
		5310	62	Low	9.856	7.183	4.240	0.628	-	-
				Mid	9.794	7.172	4.096	-	-1.984	-2.097
				High	9.650	7.228	4.087	0.558	-	-
	UNII 2C	5510	102	Low	10.854	9.366	6.354	3.649	-	-
				Mid	10.653	9.010	6.067	-	1.041	0.943
				High	10.688	9.137	6.135	3.643	-	-
		5590	118	Low	9.716	8.615	5.461	4.708	-	-
				Mid	9.624	8.301	5.311	-	1.991	1.934
				High	9.753	8.435	5.485	4.708	-	-
		5710	142	Low	9.800	7.875	4.861	4.464	-	-
				Mid	9.488	7.734	4.733	-	1.627	1.658
				High	9.841	7.799	4.824	4.302	-	-
	UNII 3	5755	151	Low	7.045	5.369	2.460	1.573	-	-
				Mid	6.961	5.397	2.242	-	-1.092	-1.080
				High	7.070	5.572	2.533	1.724	-	-
		5795	159	Low	6.678	3.884	0.900	-2.706	-	-
				Mid	6.581	3.734	0.774	-	-5.465	-5.438
				High	6.765	3.843	0.843	-2.769	-	-

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	7.169	7.454	4.461	0.996	-1.972	-	-
				Mid	5.991	7.531	4.312	0.949	-	-4.690	-4.799
				High	7.190	7.594	4.618	0.995	-2.048	-	-
	UNII 2A	5290	58	Low	10.523	7.910	4.941	1.344	-1.683	-	-
				Mid	9.478	7.625	4.558	1.121	-	-4.530	-4.672
				High	10.519	7.735	4.705	1.111	-1.765	-	-
	UNII 2C	5530	106	Low	10.085	7.300	4.163	0.727	-2.298	-	-
				Mid	8.849	6.995	3.878	0.637	-	-5.274	-5.244
				High	9.742	7.007	3.873	0.611	-2.295	-	-
		5610	122	Low	9.972	8.495	5.513	4.976	1.797	-	-
				Mid	8.567	8.339	5.319	4.721	-	-2.945	-3.162
				High	9.783	8.317	5.453	4.706	1.668	-	-
		5690	138	Low	10.148	8.158	5.084	4.638	1.575	-	-
				Mid	8.783	7.902	4.865	4.513	-	-3.294	-3.440
				High	9.865	8.056	4.977	4.491	1.469	-	-
	UNII 3	5775	155	Low	6.635	3.662	0.791	-2.763	-5.689	-	-
				Mid	6.100	3.471	0.627	-2.867	-	-8.480	-8.613
				High	6.311	3.946	0.580	-2.925	-5.871	-	-

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	-0.771	-3.305	-6.360	-10.134	-13.020	-	-
				Mid	-1.687	-3.599	-6.791	-10.097	-	-16.127	-
				High	-0.709	-3.663	-6.690	-10.345	-13.273	-	-
	UNII 2C	5570	114	Low	***9.628***	8.113	5.104	1.550	-1.555	-	-
				Mid	8.179	7.710	4.694	1.367	-	-3.684	-
				High	8.861	7.443	4.380	0.923	-1.901	-	-

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	-0.800	-3.465	-6.692	-10.338	-13.297	-	-
				Mid	-2.033	-3.746	-6.755	-10.342	-	-16.262	-
				High	-1.132	-3.560	-7.124	-10.212	-13.370	-	-
	UNII 2C	5570	114	Low	9.048	7.537	4.412	0.874	-2.155	-	-
				Mid	8.025	7.482	4.914	0.998	-	-4.317	-
				High	***9.092***	7.758	4.635	1.080	-1.809	-	-

HE160_SU		Frequency [MHz]	Channel No.	Max. Power Spectral Density (dBm)
				SU
Max Output PSD (dBm)	UNII 1&2A	5250	50	-19.178
	UNII 2C	5570	114	-7.023

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

Limit(UNII 3) : 30.0 dBm/500 kHz

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 SISO 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	16.08	4.36
				4	14.36	4.16
				7	14.32	4.36
				8	14.12	6.08
			52 T	37	16.28	4.68
				38	14.56	4.52
				39	14.40	4.64
				40	14.28	5.96
			106 T	53	16.32	5.16
				54	14.92	6.04
			242 T	61	16.12	6.20
			SU	-	16.16	6.20

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	4.04
				16	34.12	4.76
				17	34.12	6.20
			52 T	# 37	-	-
				41	34.36	4.12
				43	34.20	4.04
				44	34.20	6.52
			106 T	# 53	-	-
				# 54	-	-
				55	34.52	4.20
				56	34.28	6.52
			242 T	# 61	-	-
				62	36.04	6.36
			484 T	65	36.60	7.08
			SU	-	36.52	7.08

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	6.60
				36	74.04	8.36
			52 T	# 37	-	-
				# 45	-	-
				51	74.68	4.84
				52	74.52	8.20
			106 T	# 53	-	-
				# 57	-	-
				59	74.84	4.36
				60	74.36	7.56
			242 T	# 61	-	-
				# 62	-	-
				63	76.28	6.12
				64	76.44	8.04
			484 T	# 65	-	-
				66	75.96	8.52
			996 T	67	77.24	9.00
			SU	-	79.64	9.48

10.6.1.2 SISO 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	16.16	4.48
				4	14.36	4.44
				7	14.08	4.16
				8	14.12	6.36
			52 T	37	16.16	4.64
				38	14.60	4.36
				39	14.52	4.68
				40	14.56	6.12
			106 T	53	16.24	4.92
				54	14.88	5.96
			242 T	61	16.20	6.24
			SU	-	16.12	6.16

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	4.04
				16	34.12	4.76
				17	34.04	6.04
			52 T	# 37	-	-
				41	34.12	4.12
				43	34.28	4.04
				44	34.28	6.68
			106 T	# 53	-	-
				# 54	-	-
				55	34.60	4.20
				56	34.44	6.36
			242 T	# 61	-	-
				62	35.96	6.28
			484 T	65	36.60	7.08
			SU	-	36.68	7.08

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	5.48
				36	74.04	8.04
			52 T	# 37	-	-
				# 45	-	-
				51	74.36	5.16
				52	74.36	8.52
			106 T	# 53	-	-
				# 57	-	-
				59	74.52	4.52
				60	74.68	7.56
			242 T	# 61	-	-
				# 62	-	-
				63	76.28	6.12
				64	76.12	8.04
			484 T	# 65	-	-
				66	75.96	8.36
			996 T	67	77.08	9.00
			SU	-	79.64	9.80

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 SISO 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	4.52
			52 T	# 37	-
				# 38	-
				39	2.56
				40	4.52
			106 T	# 53	-
				54	4.56
			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	-
				44	4.12
			106 T	# 53	-
				# 54	-
				55	2.60
				56	4.12
			242 T	# 61	-
				62	4.20
			484 T	65	4.20
			SU	-	4.20

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	-
				52	4.20
			106 T	# 53	-
				# 57	-
				# 59	-
				60	4.20
			242 T	# 61	-
				# 62	-
				63	2.60
				64	4.36
			484 T	# 65	-
				66	4.36
			996 T	67	3.88
			SU	-	4.04

10.6.2.2 SISO 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	2.56
				40	4.52
			106 T	# 53	-
				54	4.56
			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	-
				44	4.12
			106 T	# 53	-
				# 54	-
				55	2.60
				56	4.04
			242 T	# 61	-
				62	4.20
			484 T	65	4.20
			SU	-	4.20

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	-
				52	4.20
			106 T	# 53	-
				# 57	-
				# 59	-
				60	4.20
			242 T	# 61	-
				# 62	-
				# 63	2.60
				64	4.20
			484 T	# 65	-
				66	4.36
			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

10.6.3.1 SISO 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	9.95	-18.01
				4	9.45	-18.64
				7	-6.18	9.70
				8	-12.61	9.90
			52 T	37	10.69	-17.32
				38	10.45	-18.30
				39	10.00	0.48
				40	-7.48	10.61
			106 T	53	10.59	-15.22
				54	7.01	8.07
			242 T	61	12.24	7.40
			SU	-	12.45	7.62

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	9.56	-21.74
				16	-0.15	9.23
				17	-12.02	9.66
			52 T	# 37	-	-
				41	10.54	-20.07
				43	10.60	-5.82
				44	-1.85	10.43
			106 T	# 53	-	-
				# 54	-	-
				55	10.59	-18.27
				56	7.79	7.49
			242 T	# 61	-	-
				62	12.41	6.84
			484 T	65	13.13	3.94
			SU	-	13.25	4.04

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	0.72	9.66
				36	-10.63	10.08
			52 T	# 37	-	-
				# 45	-	-
				51	11.06	-5.59
				52	-1.15	10.72
			106 T	# 53	-	-
				# 57	-	-
				59	11.15	-20.60
				60	8.24	7.74
			242 T	# 61	-	-
				# 62	-	-
				63	13.98	-15.45
				64	12.97	7.05
			484 T	# 65	-	-
				66	13.48	4.01
			996 T	67	12.03	-0.86
			SU	-	11.71	-1.14

10.6.3.2 SISO 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	9.20	-18.33
				4	8.79	-18.34
				7	-7.08	8.98
				8	-13.70	9.20
			52 T	37	9.77	-19.12
				38	9.54	-18.84
				39	9.03	-0.47
				40	-8.66	9.67
			106 T	53	9.72	-15.53
				54	6.13	7.19
			242 T	61	11.95	7.13
			SU	-	11.72	6.89

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	8.83	-21.96
				16	-0.72	8.61
				17	-12.22	9.05
			52 T	# 37	-	-
				41	9.69	-21.66
				43	9.70	-6.73
				44	-2.72	9.54
			106 T	# 53	-	-
				# 54	-	-
				55	9.69	-19.29
				56	6.95	6.64
			242 T	# 61	-	-
				62	12.14	6.58
			484 T	65	12.84	3.66
			SU	-	12.68	3.47

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	1.13	8.52
				36	-11.81	8.96
			52 T	# 37	-	-
				# 45	-	-
				51	9.87	-6.72
				52	-2.48	9.57
			106 T	# 53	-	-
				# 57	-	-
				59	9.95	-22.15
				60	7.09	6.59
			242 T	# 61	-	-
				# 62	-	-
				63	13.22	-15.44
				64	12.25	6.32
			484 T	# 65	-	-
				66	12.73	3.25
			996 T	67	10.94	-1.87
			SU	-	10.93	-1.85

10.6.4 Power Spectral Density

Test Note: Limit(UNII 3) : 30.0 dBm/500 kHz

10.6.4.1 SISO Ant1

802.11ax(HE20)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	PSD (dBm)	
					UNII 2C	UNII 3
HE20	5720	144	26 T	0	7.272	-21.725
				4	5.911	-18.685
				7	-1.439	4.662
				8	-17.917	4.649
			52 T	37	5.271	-19.704
				38	5.115	-20.738
				39	4.899	1.533
				40	-3.975	2.643
			106 T	53	2.153	-20.343
				54	2.043	-0.482
			242 T	61	1.476	-1.276
			SU	-	1.780	-0.960

802.11ax(HE40)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	PSD (dBm)	
					UNII 2C	UNII 3
HE40	5710	142	26 T	# 0	-	-
				9	6.928	-26.021
				16	3.888	4.182
				17	-20.631	4.700
			52 T	# 37	-	-
				41	4.882	-22.906
				43	5.304	-8.178
				44	1.728	2.398
			106 T	# 53	-	-
				# 54	-	-
				55	1.992	-21.899
				56	2.198	-0.803
			242 T	# 61	-	-
				62	1.501	-1.625
			484 T	65	-1.236	-4.419
			SU	-	-1.247	-4.382

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	3.427	4.873
				36	-20.507	4.538
			52 T	# 37	-	-
				# 45	-	-
				51	5.566	-10.216
				52	1.502	2.712
			106 T	# 53	-	-
				# 57	-	-
				59	2.575	-28.914
				60	2.390	-0.357
			242 T	# 61	-	-
				# 62	-	-
				63	2.010	-20.829
				64	1.786	-1.067
			484 T	# 65	-	-
				66	-1.123	-4.331
			996 T	67	-5.479	-9.126
			SU	-	-5.944	-9.297

10.6.4.2 SISO Ant2

802.11ax(HE20)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	PSD (dBm)	
					UNII 2C	UNII 3
HE20	5720	144	26 T	0	6.622	-22.373
				4	5.013	-21.150
				7	-2.560	3.633
				8	-17.956	4.101
			52 T	37	4.461	-21.441
				38	4.007	-19.369
				39	4.076	0.371
				40	-4.894	1.429
			106 T	53	1.239	-19.066
				54	1.056	-1.625
			242 T	61	1.313	-1.726
			SU	-	1.125	-1.717

802.11ax(HE40)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	PSD (dBm)	
					UNII 2C	UNII 3
HE40	5710	142	26 T	# 0	-	-
				9	6.165	-26.732
				16	3.204	3.852
				17	-20.138	3.525
			52 T	# 37	-	-
				41	4.253	-26.460
				43	4.269	-9.596
				44	0.972	1.496
			106 T	# 53	-	-
				# 54	-	-
				55	1.221	-26.034
				56	1.359	-1.612
			242 T	# 61	-	-
				62	1.217	-1.783
			484 T	65	-1.587	-4.706
			SU	-	-1.709	-4.779

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	2.198	3.480
				36	-22.750	3.453
			52 T	# 37	-	-
				# 45	-	-
				51	4.501	-11.176
				52	0.391	1.563
			106 T	# 53	-	-
				# 57	-	-
				59	1.230	-24.545
				60	1.312	-1.437
			242 T	# 61	-	-
				# 62	-	-
				63	1.117	-23.934
				64	0.985	-1.922
			484 T	# 65	-	-
				66	-1.874	-4.948
			996 T	67	-6.641	-10.074
			SU	-	-6.806	-9.833

10.7RADIATED 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) 26Tone RU 8_MIMO

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]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10360	52.83	-0.94	V	51.89	68.20	16.31	PK
15540	51.46	1.57	V	53.03	73.98	20.95	PK
15540	40.36	1.57	V	41.93	53.98	12.05	AV
10360	52.72	-0.94	H	51.78	68.20	16.42	PK
15540	50.79	1.57	H	52.36	73.98	21.62	PK
15540	40.88	1.57	H	42.45	53.98	11.53	AV
7769	67.44	-3.88	H	63.56	68.20	4.64	PK
7769	66.93	-3.88	V	63.05	68.20	5.15	PK

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]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10400	51.91	-0.07	V	51.84	68.20	16.36	PK
15600	51.04	1.52	V	52.56	73.98	21.42	PK
15600	40.11	1.52	V	41.63	53.98	12.35	AV
10400	51.65	-0.07	H	51.58	68.20	16.62	PK
15600	50.87	1.52	H	52.39	73.98	21.59	PK
15600	40.01	1.52	H	41.53	53.98	12.45	AV
7800	63.94	-3.72	H	60.22	68.20	7.98	PK
7800	62.51	-3.72	V	58.79	68.20	9.41	PK

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]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10480	52.36	-0.97	V	51.39	68.20	16.81	PK
15720	50.47	0.64	V	51.11	73.98	22.87	PK
15720	39.66	0.64	V	40.30	53.98	13.68	AV
10480	52.57	-0.97	H	51.60	68.20	16.60	PK
15720	50.18	0.64	H	50.82	73.98	23.16	PK
15720	39.40	0.64	H	40.04	53.98	13.94	AV
7860	61.18	-3.85	H	57.33	68.20	10.87	PK
7860	60.67	-3.85	V	56.82	68.20	11.38	PK

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]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10520	53.37	-1.06	V	52.32	68.20	15.89	PK
15780	50.67	0.59	V	51.26	73.98	22.72	PK
15780	37.70	0.59	V	38.29	53.98	15.69	AV
10520	53.16	-1.06	H	52.11	68.20	16.10	PK
15780	50.40	0.59	H	50.99	73.98	22.99	PK
15780	37.70	0.59	H	38.29	53.98	15.69	AV
7372	56.39	-4.53	H	51.86	73.98	22.12	PK
7372	42.78	-4.53	H	38.25	53.98	15.73	AV
7372	55.49	-4.53	V	50.96	73.98	23.02	PK
7372	41.76	-4.53	V	37.23	53.98	16.75	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]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10600	52.79	-0.61	V	52.18	73.98	21.80	PK
10600	39.92	-0.61	V	39.31	53.98	14.67	AV
15900	50.82	0.25	V	51.07	73.98	22.91	PK
15900	38.03	0.25	V	38.28	53.98	15.70	AV
10600	52.62	-0.61	H	52.01	73.98	21.97	PK
10600	39.70	-0.61	H	39.09	53.98	14.89	AV
15900	50.60	0.25	H	50.85	73.98	23.13	PK
15900	38.10	0.25	H	38.35	53.98	15.63	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]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10640	52.37	-0.73	V	51.64	73.98	22.34	PK
10640	39.40	-0.73	V	38.67	53.98	15.31	AV
15960	51.00	0.53	V	51.53	73.98	22.45	PK
15960	37.85	0.53	V	38.38	53.98	15.60	AV
10640	52.06	-0.73	H	51.33	73.98	22.65	PK
10640	39.48	-0.73	H	38.75	53.98	15.23	AV
15960	51.18	0.53	H	51.71	73.98	22.27	PK
15960	37.91	0.53	H	38.44	53.98	15.54	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]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11000	51.88	-0.18	V	51.70	73.98	22.28	PK
11000	39.45	-0.18	V	39.27	53.98	14.71	AV
16500	51.82	0.60	V	52.42	68.20	15.78	PK
11000	52.10	-0.18	H	51.92	73.98	22.06	PK
11000	39.38	-0.18	H	39.20	53.98	14.78	AV
16500	51.29	0.60	H	51.89	68.20	16.31	PK
6600	60.33	-4.96	H	55.37	68.20	12.83	PK
6600	59.05	-4.96	V	54.09	68.20	14.11	PK

Band :	UNII 2C
Operation Mode:	802.11ax(HE20)
Transfer MCS Index:	MCS0
Operating Frequency	5600 MHz
Channel No.	120 Ch

Frequency [MHz]	Measured Level [dBµV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11200	51.83	-1.01	V	50.82	73.98	23.16	PK
11200	39.48	-1.01	V	38.47	53.98	15.51	AV
16800	50.86	-0.07	V	50.79	68.20	17.41	PK
11200	52.28	-1.01	H	51.27	73.98	22.71	PK
11200	39.42	-1.01	H	38.41	53.98	15.57	AV
16800	50.83	-0.07	H	50.76	68.20	17.44	PK
6715	59.92	-5.16	H	54.76	68.20	13.44	PK
6715	58.99	-5.16	V	53.83	68.20	14.37	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]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11440	52.36	-0.52	V	51.84	73.98	22.14	PK
11440	39.83	-0.52	V	39.31	53.98	14.67	AV
17160	50.11	0.64	V	50.75	68.20	17.45	PK
11440	52.48	-0.52	H	51.96	73.98	22.02	PK
11440	39.95	-0.52	H	39.43	53.98	14.55	AV
17160	51.08	0.64	H	51.72	68.20	16.48	PK
6863	57.42	-5.48	H	51.94	68.20	16.26	PK
6863	56.98	-5.48	V	51.50	68.20	16.70	PK

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

Frequency [MHz]	Measured Level [dBµV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11490	52.08	-0.38	V	51.70	73.98	22.28	PK
11490	39.57	-0.38	V	39.19	53.98	14.79	AV
17235	50.92	1.04	V	51.96	68.20	16.24	PK
11490	51.72	-0.38	H	51.34	73.98	22.64	PK
11490	39.42	-0.38	H	39.04	53.98	14.94	AV
17235	50.88	1.04	H	51.92	68.20	16.28	PK
6893	58.16	-5.59	H	52.57	68.20	15.63	PK
6893	57.01	-5.59	V	51.42	68.20	16.78	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]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11570	51.85	-0.29	V	51.56	73.98	22.43	PK
11570	39.17	-0.29	V	38.88	53.98	15.11	AV
17355	51.33	1.14	V	52.47	68.20	15.74	PK
11570	51.88	-0.29	H	51.59	73.98	22.40	PK
11570	39.35	-0.29	H	39.06	53.98	14.93	AV
17355	51.23	1.14	H	52.37	68.20	15.84	PK
6942	57.73	-5.93	H	51.80	68.20	16.40	PK
6942	57.08	-5.93	V	51.15	68.20	17.05	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]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11650	52.59	-1.16	V	51.43	73.98	22.55	PK
11650	39.10	-1.16	V	37.94	53.98	16.04	AV
17475	50.70	2.16	V	52.86	68.20	15.34	PK
11650	52.02	-1.16	H	50.86	73.98	23.12	PK
11650	39.25	-1.16	H	38.09	53.98	15.89	AV
17475	51.08	2.16	H	53.24	68.20	14.96	PK
6989	57.20	-5.55	H	51.65	68.20	16.55	PK
6989	56.12	-5.55	V	50.57	68.20	17.63	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 RSE result of worst case.

10.8.2 802.11ax(HE160)

1) SU_MIMO

Band :	UNII 1&2A
Operation Mode:	802.11ax(HE160)
Transfer MCS Index:	MCS0
Operating Frequency	5250 MHz
Channel No.	50 Ch

Frequency [MHz]	Measured Level [dBµV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10500	53.06	-1.51	V	51.55	68.20	16.65	PK
15750	50.50	0.71	V	51.21	73.98	22.77	PK
15750	39.02	0.71	V	39.73	53.98	14.25	AV
10500	52.84	-1.15	H	51.69	68.20	16.51	PK
15750	50.02	0.71	H	50.73	73.98	23.25	PK
15750	38.69	0.71	H	39.40	53.98	14.58	AV
6999	68.65	-6.16	H	62.49	68.20	5.71	PK
6999	67.16	-6.16	V	61.00	68.20	7.20	PK

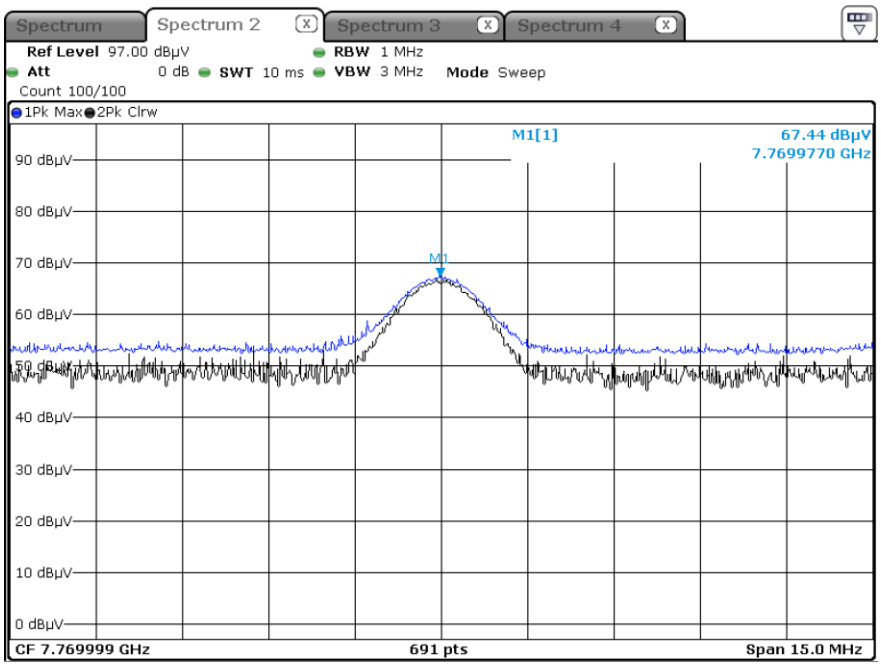
Note:

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

[MIMO]

▣ Test Plots_26 Tone RU 8

Peak result (802.11axHE20, Ch.36 Spurious Emission, Y-H)



Note:

Only the worst case plots for Radiated Spurious Emissions.

10.9 RADIATED RESTRICTED BAND EDGE

10.9.1MIMO

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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	43.51	13.64	H	57.15	73.98	16.83	PK
5150	30.86	13.64	H	44.5	53.98	9.48	AV
5150	42.02	13.64	V	55.66	73.98	18.32	PK
5150	30.59	13.64	V	44.23	53.98	9.75	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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	40.31	14.22	H	54.53	73.98	19.45	PK
5350	28.40	14.22	H	42.62	53.98	11.36	AV
5350	39.75	14.22	V	53.97	73.98	20.01	PK
5350	28.14	14.22	V	42.36	53.98	11.62	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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	39.91	14.69	H	54.60	73.98	19.38	PK
5460	27.89	14.69	H	42.58	53.98	11.40	AV
5470	40.93	15.03	H	55.96	68.20	12.24	PK
5460	38.45	14.69	V	53.14	73.98	20.84	PK
5460	27.84	14.69	V	42.53	53.98	11.45	AV
5470	40.21	15.03	V	55.24	68.20	12.96	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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	42.15	13.64	H	55.79	73.98	18.19	PK
5150	31.00	13.64	H	44.64	53.98	9.34	AV
5150	41.13	13.64	V	54.77	73.98	19.21	PK
5150	30.71	13.64	V	44.35	53.98	9.63	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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	41.29	14.22	H	55.51	73.98	18.47	PK
5350	28.23	14.22	H	42.45	53.98	11.53	AV
5350	40.02	14.22	V	54.24	73.98	19.74	PK
5350	28.17	14.22	V	42.39	53.98	11.59	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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	38.80	14.69	H	53.49	73.98	20.49	PK
5460	28.38	14.69	H	43.07	53.98	10.91	AV
5470	40.70	15.03	H	55.73	68.20	12.47	PK
5460	38.42	14.69	V	53.11	73.98	20.87	PK
5460	28.33	14.69	V	43.02	53.98	10.96	AV
5470	39.46	15.03	V	54.49	68.20	13.71	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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	42.71	13.64	H	56.35	73.98	17.63	PK
5150	30.72	13.64	H	44.36	53.98	9.62	AV
5150	41.52	13.64	V	55.16	73.98	18.82	PK
5150	30.51	13.64	V	44.15	53.98	9.83	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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	40.64	14.22	H	54.86	73.98	19.12	PK
5350	28.65	14.22	H	42.87	53.98	11.11	AV
5350	39.75	14.22	V	53.97	73.98	20.01	PK
5350	28.31	14.22	V	42.53	53.98	11.45	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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	39.75	14.69	H	54.44	73.98	19.54	PK
5460	28.41	14.69	H	43.10	53.98	10.88	AV
5470	40.78	15.03	H	55.81	68.20	12.39	PK
5460	38.98	14.69	V	53.67	73.98	20.31	PK
5460	28.11	14.69	V	42.80	53.98	11.18	AV
5470	40.43	15.03	V	55.46	68.20	12.74	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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	43.43	13.64	H	57.07	73.98	16.91	PK
5150	30.79	13.64	H	44.43	53.98	9.55	AV
5150	42.94	13.64	V	56.58	73.98	17.40	PK
5150	30.51	13.64	V	44.15	53.98	9.83	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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	40.09	14.22	H	54.31	73.98	19.67	PK
5350	28.29	14.22	H	42.51	53.98	11.47	AV
5350	39.98	14.22	V	54.2	73.98	19.78	PK
5350	28.22	14.22	V	42.44	53.98	11.54	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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	39.02	14.69	H	53.71	73.98	20.27	PK
5460	28.56	14.69	H	43.25	53.98	10.73	AV
5470	39.92	15.03	H	54.95	68.20	13.25	PK
5460	38.99	14.69	V	53.68	73.98	20.30	PK
5460	28.38	14.69	V	43.07	53.98	10.91	AV
5470	39.15	15.03	V	54.18	68.20	14.02	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.	None

Frequency [MHz]	Measured Level [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	42.89	13.64	H	56.53	73.98	17.45	PK
5150	30.95	13.64	H	44.59	53.98	9.39	AV
5150	41.91	13.64	V	55.55	73.98	18.43	PK
5150	30.35	13.64	V	43.99	53.98	9.99	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5320 MHz
Channel No.	64 Ch
RU offset.	None

Frequency [MHz]	Measured Level [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	40.30	14.22	H	54.52	73.98	19.46	PK
5350	28.31	14.22	H	42.53	53.98	11.45	AV
5350	39.74	14.22	V	53.96	73.98	20.02	PK
5350	28.17	14.22	V	42.39	53.98	11.59	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE20)
Transfer Rate:	MCS0
Operating Frequency	5500 MHz
Channel No.	100 Ch
RU offset.	None

Frequency [MHz]	Measured Level [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	38.99	14.69	H	53.68	73.98	20.30	PK
5460	28.06	14.69	H	42.75	53.98	11.23	AV
5470	40.02	15.03	H	55.05	68.20	13.15	PK
5460	39.21	14.69	V	53.90	73.98	20.08	PK
5460	28.14	14.69	V	42.83	53.98	11.15	AV
5470	40.62	15.03	V	55.65	68.20	12.55	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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	42.97	13.64	H	56.61	73.98	17.37	PK
5150	31.39	13.64	H	45.03	53.98	8.95	AV
5150	41.54	13.64	V	55.18	73.98	18.80	PK
5150	31.13	13.64	V	44.77	53.98	9.21	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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	40.99	14.22	H	55.21	73.98	18.77	PK
5350	29.81	14.22	H	44.03	53.98	9.95	AV
5350	40.60	14.22	V	54.82	73.98	19.16	PK
5350	29.37	14.22	V	43.59	53.98	10.39	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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	39.66	14.69	H	54.35	73.98	19.63	PK
5460	29.06	14.69	H	43.75	53.98	10.23	AV
5470	40.85	15.03	H	55.88	68.20	12.32	PK
5460	38.80	14.69	V	53.49	73.98	20.49	PK
5460	28.67	14.69	V	43.36	53.98	10.62	AV
5470	39.35	15.03	V	54.38	68.20	13.82	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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	42.40	13.64	H	56.04	73.98	17.94	PK
5150	31.62	13.64	H	45.26	53.98	8.72	AV
5150	41.43	13.64	V	55.07	73.98	18.91	PK
5150	31.12	13.64	V	44.76	53.98	9.22	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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	40.80	14.22	H	55.02	73.98	18.96	PK
5350	29.90	14.22	H	44.12	53.98	9.86	AV
5350	40.31	14.22	V	54.53	73.98	19.45	PK
5350	29.50	14.22	V	43.72	53.98	10.26	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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	40.16	14.69	H	54.85	73.98	19.13	PK
5460	28.87	14.69	H	43.56	53.98	10.42	AV
5470	40.22	15.03	H	55.25	68.20	12.95	PK
5460	39.93	14.69	V	54.62	73.98	19.36	PK
5460	28.60	14.69	V	43.29	53.98	10.69	AV
5470	40.05	15.03	V	55.08	68.20	13.12	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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	42.78	13.64	H	56.42	73.98	17.56	PK
5150	31.77	13.64	H	45.41	53.98	8.57	AV
5150	41.76	13.64	V	55.4	73.98	18.58	PK
5150	31.45	13.64	V	45.09	53.98	8.89	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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	41.06	14.22	H	55.28	73.98	18.70	PK
5350	29.50	14.22	H	43.72	53.98	10.26	AV
5350	40.29	14.22	V	54.51	73.98	19.47	PK
5350	29.37	14.22	V	43.59	53.98	10.39	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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	41.92	14.69	H	56.61	73.98	17.37	PK
5460	29.48	14.69	H	44.17	53.98	9.81	AV
5470	42.84	15.03	H	57.87	68.20	10.33	PK
5460	41.85	14.69	V	56.54	73.98	17.44	PK
5460	28.47	14.69	V	43.16	53.98	10.82	AV
5470	42.05	15.03	V	57.08	68.20	11.12	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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	42.49	13.64	H	56.13	73.98	17.85	PK
5150	31.75	13.64	H	45.39	53.98	8.59	AV
5150	41.96	13.64	V	55.6	73.98	18.38	PK
5150	31.38	13.64	V	45.02	53.98	8.96	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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	40.35	14.22	H	54.57	73.98	19.41	PK
5350	29.56	14.22	H	43.78	53.98	10.20	AV
5350	40.26	14.22	V	54.48	73.98	19.50	PK
5350	29.12	14.22	V	43.34	53.98	10.64	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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	40.22	14.69	H	54.91	73.98	19.07	PK
5460	28.77	14.69	H	43.46	53.98	10.52	AV
5470	42.52	15.03	H	57.55	68.20	10.65	PK
5460	39.65	14.69	V	54.34	73.98	19.64	PK
5460	28.54	14.69	V	43.23	53.98	10.75	AV
5470	41.84	15.03	V	56.87	68.20	11.33	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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	42.16	13.64	H	55.80	73.98	18.18	PK
5150	31.46	13.64	H	45.10	53.98	8.88	AV
5150	41.86	13.64	V	55.50	73.98	18.48	PK
5150	31.20	13.64	V	44.84	53.98	9.14	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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	43.04	14.22	H	57.26	73.98	16.72	PK
5350	30.62	14.22	H	44.84	53.98	9.14	AV
5350	41.79	14.22	V	56.01	73.98	17.97	PK
5350	29.78	14.22	V	44.00	53.98	9.98	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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	40.54	14.69	H	55.23	73.98	18.75	PK
5460	29.79	14.69	H	44.48	53.98	9.50	AV
5470	43.05	15.03	H	58.08	68.20	10.12	PK
5460	40.21	14.69	V	54.90	73.98	19.08	PK
5460	29.43	14.69	V	44.12	53.98	9.86	AV
5470	41.57	15.03	V	56.6	68.20	11.60	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.	None

Frequency [MHz]	Measured Level [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	42.43	13.64	H	56.07	73.98	17.91	PK
5150	31.71	13.64	H	45.35	53.98	8.63	AV
5150	41.35	13.64	V	54.99	73.98	18.99	PK
5150	31.58	13.64	V	45.22	53.98	8.76	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE40)
Transfer MCS Index:	MCS0
Operating Frequency	5310 MHz
Channel No.	62 Ch
RU offset.	None

Frequency [MHz]	Measured Level [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	41.16	14.22	H	55.38	73.98	18.60	PK
5350	29.65	14.22	H	43.87	53.98	10.11	AV
5350	40.75	14.22	V	54.97	73.98	19.01	PK
5350	29.61	14.22	V	43.83	53.98	10.15	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE40)
Transfer MCS Index:	MCS0
Operating Frequency	5510 MHz
Channel No.	102 Ch
RU offset.	None

Frequency [MHz]	Measured Level [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	41.75	14.69	H	56.44	73.98	17.54	PK
5460	28.91	14.69	H	43.60	53.98	10.38	AV
5470	43.15	15.03	H	58.18	68.20	10.02	PK
5460	40.35	14.69	V	55.04	73.98	18.94	PK
5460	28.54	14.69	V	43.23	53.98	10.75	AV
5470	42.62	15.03	V	57.65	68.20	10.55	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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	42.52	13.64	H	56.16	73.98	17.82	PK
5150	32.54	13.64	H	46.18	53.98	7.80	AV
5150	41.47	13.64	V	55.11	73.98	18.87	PK
5150	31.92	13.64	V	45.56	53.98	8.42	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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	43.19	14.22	H	57.41	73.98	16.57	PK
5350	30.31	14.22	H	44.53	53.98	9.45	AV
5350	41.77	14.22	V	55.99	73.98	17.99	PK
5350	30.29	14.22	V	44.51	53.98	9.47	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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	40.25	14.69	H	54.94	73.98	19.04	PK
5460	29.93	14.69	H	44.62	53.98	9.36	AV
5470	41.62	15.03	H	56.65	68.20	11.55	PK
5460	40.36	14.69	V	55.05	73.98	18.93	PK
5460	30.10	14.69	V	44.79	53.98	9.19	AV
5470	42.70	15.03	V	57.73	68.20	10.47	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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	41.93	13.64	H	55.57	73.98	18.41	PK
5150	32.20	13.64	H	45.84	53.98	8.14	AV
5150	41.22	13.64	V	54.86	73.98	19.12	PK
5150	31.51	13.64	V	45.15	53.98	8.83	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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	41.26	14.22	H	55.48	73.98	18.50	PK
5350	30.46	14.22	H	44.68	53.98	9.30	AV
5350	40.43	14.22	V	54.65	73.98	19.33	PK
5350	30.23	14.22	V	44.45	53.98	9.53	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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	40.66	14.69	H	55.35	73.98	18.63	PK
5460	29.48	14.69	H	44.17	53.98	9.81	AV
5470	41.31	15.03	H	56.34	68.20	11.86	PK
5460	41.42	14.69	V	56.11	73.98	17.87	PK
5460	30.23	14.69	V	44.92	53.98	9.06	AV
5470	42.65	15.03	V	57.68	68.20	10.52	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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5150	41.97	13.64	H	55.61	73.98	18.37	PK
5150	32.18	13.64	H	45.82	53.98	8.16	AV
5150	41.41	13.64	V	55.05	73.98	18.93	PK
5150	31.70	13.64	V	45.34	53.98	8.64	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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5350	41.35	14.22	H	55.57	73.98	18.41	PK
5350	30.44	14.22	H	44.66	53.98	9.32	AV
5350	40.02	14.22	V	54.24	73.98	19.74	PK
5350	30.09	14.22	V	44.31	53.98	9.67	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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	39.23	14.69	H	53.92	73.98	20.06	PK
5460	28.67	14.69	H	43.36	53.98	10.62	AV
5470	41.02	15.03	H	56.05	68.20	12.15	PK
5460	39.45	14.69	V	54.14	73.98	19.84	PK
5460	29.65	14.69	V	44.34	53.98	9.64	AV
5470	41.07	15.03	V	56.1	68.20	12.10	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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	42.58	13.64	H	56.22	73.98	17.76	PK
5150	32.30	13.64	H	45.94	53.98	8.04	AV
5150	41.25	13.64	V	54.89	73.98	19.09	PK
5150	31.99	13.64	V	45.63	53.98	8.35	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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	40.52	14.22	H	54.74	73.98	19.24	PK
5350	30.31	14.22	H	44.53	53.98	9.45	AV
5350	40.33	14.22	V	54.55	73.98	19.43	PK
5350	30.07	14.22	V	44.29	53.98	9.69	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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	40.41	14.69	H	55.10	73.98	18.88	PK
5460	29.28	14.69	H	43.97	53.98	10.01	AV
5470	41.84	15.03	H	56.87	68.20	11.33	PK
5460	40.61	14.69	V	55.30	73.98	18.68	PK
5460	30.67	14.69	V	45.36	53.98	8.62	AV
5470	42.04	15.03	V	57.07	68.20	11.13	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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	42.29	13.64	H	55.93	73.98	18.05	PK
5150	32.28	13.64	H	45.92	53.98	8.06	AV
5150	42.19	13.64	V	55.83	73.98	18.15	PK
5150	31.77	13.64	V	45.41	53.98	8.57	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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	42.23	14.22	H	56.45	73.98	17.53	PK
5350	31.38	14.22	H	45.6	53.98	8.38	AV
5350	40.88	14.22	V	55.1	73.98	18.88	PK
5350	30.44	14.22	V	44.66	53.98	9.32	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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	40.07	14.69	H	54.76	73.98	19.22	PK
5460	29.32	14.69	H	44.01	53.98	9.97	AV
5470	41.12	15.03	H	56.15	68.20	12.05	PK
5460	40.44	14.69	V	55.13	73.98	18.85	PK
5460	29.86	14.69	V	44.55	53.98	9.43	AV
5470	42.41	15.03	V	57.44	68.20	10.76	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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	41.95	13.64	H	55.59	73.98	18.39	PK
5150	32.28	13.64	H	45.92	53.98	8.06	AV
5150	41.86	13.64	V	55.5	73.98	18.48	PK
5150	32.02	13.64	V	45.66	53.98	8.32	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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	40.32	14.22	H	54.54	73.98	19.44	PK
5350	30.28	14.22	H	44.5	53.98	9.48	AV
5350	40.05	14.22	V	54.27	73.98	19.71	PK
5350	30.05	14.22	V	44.27	53.98	9.71	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]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	40.52	14.69	H	55.21	73.98	18.77	PK
5460	29.07	14.69	H	43.76	53.98	10.22	AV
5470	41.51	15.03	H	56.54	68.20	11.66	PK
5460	41.77	14.69	V	56.46	73.98	17.52	PK
5460	29.95	14.69	V	44.64	53.98	9.34	AV
5470	42.74	15.03	V	57.77	68.20	10.43	PK

3.7) SU

Band :	UNII 1
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5210 MHz
Channel No.	42 Ch
RU offset.	None

Frequency [MHz]	Measured Level [dBμV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5150	43.51	13.64	H	57.15	73.98	16.83	PK
5150	32.81	13.64	H	46.45	53.98	7.53	AV
5150	42.29	13.64	V	55.93	73.98	18.05	PK
5150	32.11	13.64	V	45.75	53.98	8.23	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5290 MHz
Channel No.	58 Ch
RU offset.	None

Frequency [MHz]	Measured Level [dBμV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5350	40.48	14.22	H	54.70	73.98	19.28	PK
5350	30.21	14.22	H	44.43	53.98	9.55	AV
5350	39.41	14.22	V	53.63	73.98	20.35	PK
5350	29.92	14.22	V	44.14	53.98	9.84	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE80)
Transfer MCS Index:	MCS0
Operating Frequency	5530 MHz
Channel No.	106 Ch
RU offset.	None

Frequency [MHz]	Measured Level [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	38.32	14.69	H	53.01	73.98	20.97	PK
5460	28.89	14.69	H	43.58	53.98	10.40	AV
5470	39.85	15.03	H	54.88	68.20	13.32	PK
5460	39.55	14.69	V	54.24	73.98	19.74	PK
5460	28.98	14.69	V	43.67	53.98	10.31	AV
5470	40.98	15.03	V	56.01	68.20	12.19	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.	50 Ch Lower
RU offset.	0

Frequency [MHz]	Measured Level [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	41.28	13.64	H	54.92	73.98	19.06	PK
5150	32.84	13.64	H	46.48	53.98	7.50	AV
5150	42.19	13.64	V	55.83	73.98	18.15	PK
5150	32.07	13.64	V	45.71	53.98	8.27	AV

Band :	UNII 2A
Operation Mode:	802.11ax_HE160(80U)
Transfer MCS Index:	MCS0
Operating Frequency	5290 MHz
Channel No.	50 Ch Upper
RU offset.	36

Frequency [MHz]	Measured Level [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	41.18	14.22	H	55.40	73.98	18.58	PK
5350	30.42	14.22	H	44.64	53.98	9.34	AV
5350	40.67	14.22	V	54.89	73.98	19.09	PK
5350	30.11	14.22	V	44.33	53.98	9.65	AV

Band :	UNII 2C
Operation Mode:	802.11ax_HE160(80L)
Transfer MCS Index:	MCS0
Operating Frequency	5530 MHz
Channel No.	114 Ch Lower
RU offset.	0

Frequency [MHz]	Measured Level [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	44.62	14.69	H	59.31	73.98	14.67	PK
5460	33.54	14.69	H	48.23	53.98	5.75	AV
5470	40.79	15.03	H	55.82	68.20	12.38	PK
5460	45.06	14.69	V	59.75	73.98	14.23	PK
5460	34.10	14.69	V	48.79	53.98	5.19	AV
5470	41.84	15.03	V	56.87	68.20	11.33	PK

4.2) 52 Tone

Band :	UNII 1
Operation Mode:	802.11ax_HE160(80L)
Transfer MCS Index:	MCS0
Operating Frequency	5210 MHz
Channel No.	50 Ch Lower
RU offset.	37

Frequency [MHz]	Measured Level [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	43.29	13.64	H	56.93	73.98	17.05	PK
5150	32.77	13.64	H	46.41	53.98	7.57	AV
5150	42.33	13.64	V	55.97	73.98	18.01	PK
5150	31.85	13.64	V	45.49	53.98	8.49	AV

Band :	UNII 2A
Operation Mode:	802.11ax_HE160(80U)
Transfer MCS Index:	MCS0
Operating Frequency	5290 MHz
Channel No.	50 Ch Upper
RU offset.	52

Frequency [MHz]	Measured Level [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	40.78	14.22	H	55.00	73.98	18.98	PK
5350	30.64	14.22	H	44.86	53.98	9.12	AV
5350	40.48	14.22	V	54.7	73.98	19.28	PK
5350	30.25	14.22	V	44.47	53.98	9.51	AV

Band :	UNII 2C
Operation Mode:	802.11ax_HE160(80L)
Transfer MCS Index:	MCS0
Operating Frequency	5530 MHz
Channel No.	114 Ch Lower
RU offset.	37

Frequency [MHz]	Measured Level [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	41.04	14.69	H	55.73	73.98	18.25	PK
5460	33.51	14.69	H	48.20	53.98	5.78	AV
5470	44.67	15.03	H	59.7	68.20	8.50	PK
5460	41.64	14.69	V	56.33	73.98	17.65	PK
5460	34.82	14.69	V	49.51	53.98	4.47	AV
5470	45.01	15.03	V	60.04	68.20	8.16	PK

4.3) 106 Tone

Band :	UNII 1
Operation Mode:	802.11ax_HE160(80L)
Transfer MCS Index:	MCS0
Operating Frequency	5210 MHz
Channel No.	50 Ch Lower
RU offset.	53

Frequency [MHz]	Measured Level [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	42.31	13.64	H	55.95	73.98	18.03	PK
5150	33.01	13.64	H	46.65	53.98	7.33	AV
5150	41.53	13.64	V	55.17	73.98	18.81	PK
5150	32.81	13.64	V	46.45	53.98	7.53	AV

Band :	UNII 2A
Operation Mode:	802.11ax_HE160(80U)
Transfer MCS Index:	MCS0
Operating Frequency	5290 MHz
Channel No.	50 Ch Upper
RU offset.	60

Frequency [MHz]	Measured Level [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	41.41	14.22	H	55.63	73.98	18.35	PK
5350	30.83	14.22	H	45.05	53.98	8.93	AV
5350	40.39	14.22	V	54.61	73.98	19.37	PK
5350	30.28	14.22	V	44.5	53.98	9.48	AV

Band :	UNII 2C
Operation Mode:	802.11ax_HE160(80L)
Transfer MCS Index:	MCS0
Operating Frequency	5530 MHz
Channel No.	114 Ch Lower
RU offset.	53

Frequency [MHz]	Measured Level [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	50.55	14.69	H	65.24	73.98	8.74	PK
5460	34.66	14.69	H	49.35	53.98	4.63	AV
5470	49.78	15.03	H	64.81	68.20	3.39	PK
5460	50.41	14.69	V	65.10	73.98	8.88	PK
5460	35.15	14.69	V	49.84	53.98	4.14	AV
5470	50.08	15.03	V	65.11	68.20	3.09	PK

4.4) 242 Tone

Band :	UNII 1
Operation Mode:	802.11ax_HE160(80L)
Transfer MCS Index:	MCS0
Operating Frequency	5210 MHz
Channel No.	50 Ch Lower
RU offset.	61

Frequency [MHz]	Measured Level [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	43.74	13.64	H	57.38	73.98	16.60	PK
5150	32.39	13.64	H	46.03	53.98	7.95	AV
5150	42.66	13.64	V	56.3	73.98	17.68	PK
5150	31.84	13.64	V	45.48	53.98	8.50	AV

Band :	UNII 2A
Operation Mode:	802.11ax_HE160(80U)
Transfer MCS Index:	MCS0
Operating Frequency	5290 MHz
Channel No.	50 Ch Upper
RU offset.	64

Frequency [MHz]	Measured Level [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	40.37	14.22	H	54.59	73.98	19.39	PK
5350	30.32	14.22	H	44.54	53.98	9.44	AV
5350	40.24	14.22	V	54.46	73.98	19.52	PK
5350	30.24	14.22	V	44.46	53.98	9.52	AV

Band :	UNII 2C
Operation Mode:	802.11ax_HE160(80L)
Transfer MCS Index:	MCS0
Operating Frequency	5530 MHz
Channel No.	114 Ch Lower
RU offset.	61

Frequency [MHz]	Measured Level [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	51.42	14.69	H	66.11	73.98	7.87	PK
5460	34.62	14.69	H	49.31	53.98	4.67	AV
5470	50.02	15.03	H	65.05	68.20	3.15	PK
5460	51.95	14.69	V	66.64	73.98	7.34	PK
5460	35.63	14.69	V	50.32	53.98	3.66	AV
5470	50.21	15.03	V	65.24	68.20	2.96	PK

4.5) 484 Tone

Band :	UNII 1
Operation Mode:	802.11ax_HE160(80L)
Transfer MCS Index:	MCS0
Operating Frequency	5210 MHz
Channel No.	50 Ch Lower
RU offset.	65

Frequency [MHz]	Measured Level [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	42.51	13.64	H	56.15	73.98	17.83	PK
5150	32.34	13.64	H	45.98	53.98	8.00	AV
5150	41.85	13.64	V	55.49	73.98	18.49	PK
5150	31.62	13.64	V	45.26	53.98	8.72	AV

Band :	UNII 2A
Operation Mode:	802.11ax_HE160(80U)
Transfer MCS Index:	MCS0
Operating Frequency	5290 MHz
Channel No.	50 Ch Upper
RU offset.	66

Frequency [MHz]	Measured Level [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	40.61	14.22	H	54.83	73.98	19.15	PK
5350	30.75	14.22	H	44.97	53.98	9.01	AV
5350	40.47	14.22	V	54.69	73.98	19.29	PK
5350	30.48	14.22	V	44.7	53.98	9.28	AV

Band :	UNII 2C
Operation Mode:	802.11ax_HE160(80L)
Transfer MCS Index:	MCS0
Operating Frequency	5530 MHz
Channel No.	114 Ch Lower
RU offset.	65

Frequency [MHz]	Measured Level [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	49.45	14.69	H	64.14	73.98	9.84	PK
5460	33.25	14.69	H	47.94	53.98	6.04	AV
5470	48.69	15.03	H	63.72	68.20	4.48	PK
5460	50.90	14.69	V	65.59	73.98	8.39	PK
5460	34.66	14.69	V	49.35	53.98	4.63	AV
5470	49.51	15.03	V	64.54	68.20	3.66	PK

4.6) 996 Tone

Band :	UNII 1
Operation Mode:	802.11ax_HE160(80L)
Transfer MCS Index:	MCS0
Operating Frequency	5210 MHz
Channel No.	50 Ch Lower
RU offset.	67

Frequency [MHz]	Measured Level [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	43.78	13.64	H	57.42	73.98	16.56	PK
5150	33.74	13.64	H	47.38	53.98	6.60	AV
5150	42.66	13.64	V	56.3	73.98	17.68	PK
5150	32.59	13.64	V	46.23	53.98	7.75	AV

Band :	UNII 2A
Operation Mode:	802.11ax_HE160(80U)
Transfer MCS Index:	MCS0
Operating Frequency	5290 MHz
Channel No.	50 Ch Upper
RU offset.	67

Frequency [MHz]	Measured Level [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	40.94	14.22	H	55.16	73.98	18.82	PK
5350	30.26	14.22	H	44.48	53.98	9.50	AV
5350	40.11	14.22	V	54.33	73.98	19.65	PK
5350	30.14	14.22	V	44.36	53.98	9.62	AV

Band :	UNII 2C
Operation Mode:	802.11ax_HE160(80L)
Transfer MCS Index:	MCS0
Operating Frequency	5530 MHz
Channel No.	114 Ch Lower
RU offset.	67

Frequency [MHz]	Measured Level [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	50.84	14.69	H	65.53	73.98	8.45	PK
5460	35.34	14.69	H	50.03	53.98	3.95	AV
5470	49.89	15.03	H	64.92	68.20	3.28	PK
5460	51.61	14.69	V	66.30	73.98	7.68	PK
5460	36.17	14.69	V	50.86	53.98	3.12	AV
5470	50.24	15.03	V	65.27	68.20	2.93	PK

4.7) SU

Band :	UNII 1
Operation Mode:	802.11ax(HE160)
Transfer MCS Index:	MCS0
Operating Frequency	5210 MHz
Channel No.	50 Ch Lower

Frequency [MHz]	Measured Level [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	42.40	13.64	H	56.04	73.98	17.94	PK
5150	32.31	13.64	H	45.95	53.98	8.03	AV
5150	41.96	13.64	V	55.6	73.98	18.38	PK
5150	32.02	13.64	V	45.66	53.98	8.32	AV

Band :	UNII 2A
Operation Mode:	802.11ax(HE160)
Transfer MCS Index:	MCS0
Operating Frequency	5290 MHz
Channel No.	50 Ch Upper

Frequency [MHz]	Measured Level [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	41.59	14.22	H	55.81	73.98	18.17	PK
5350	30.51	14.22	H	44.73	53.98	9.25	AV
5350	41.39	14.22	V	55.61	73.98	18.37	PK
5350	30.04	14.22	V	44.26	53.98	9.72	AV

Band :	UNII 2C
Operation Mode:	802.11ax(HE160)
Transfer MCS Index:	MCS0
Operating Frequency	5530 MHz
Channel No.	114 Ch Lower

Frequency [MHz]	Measured Level [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	41.23	14.69	H	55.92	73.98	18.06	PK
5460	30.37	14.69	H	45.06	53.98	8.92	AV
5470	40.51	15.03	H	55.54	68.20	12.66	PK
5460	42.31	14.69	V	57.00	73.98	16.98	PK
5460	31.67	14.69	V	46.36	53.98	7.62	AV
5470	41.54	15.03	V	56.57	68.20	11.63	PK

Note:

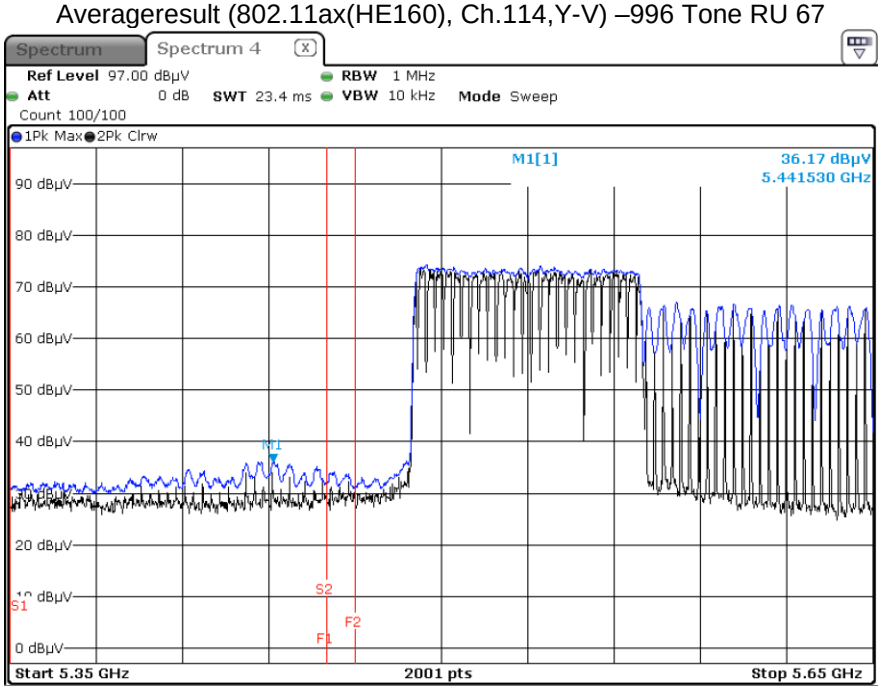
All Modes of operation were investigated and the worst case configuration results are reported.

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

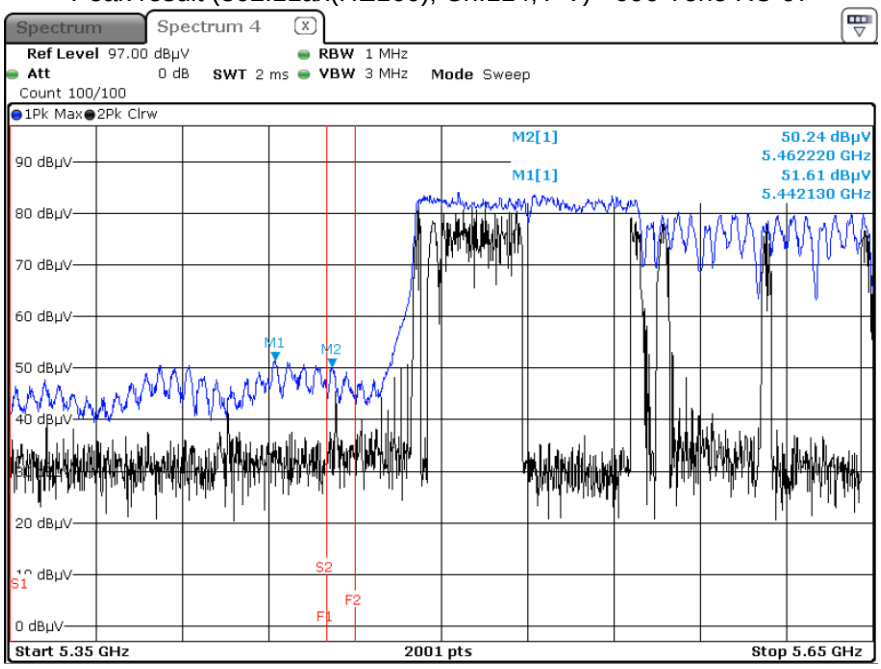
▣ Test Plots(UNII 1, 2A, 2C),

[MIMO]

Averageresult (802.11ax(HE160), Ch.114,Y-V) –996 Tone RU 67



Peak result (802.11ax(HE160), Ch.114,Y-V) - 996 Tone RU 67



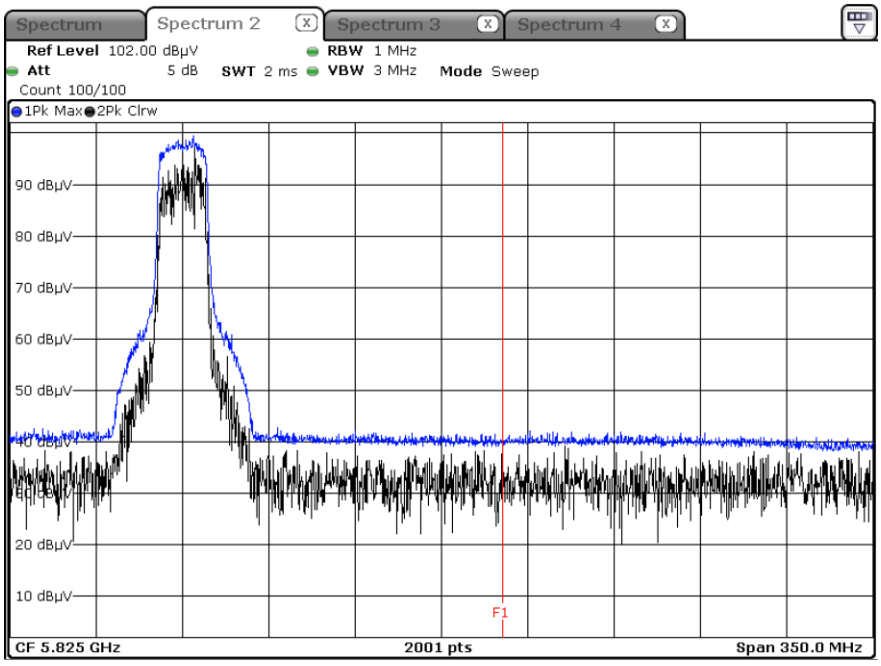
Note:

Only the worst case plots for Radiated Restricted Band Edge.

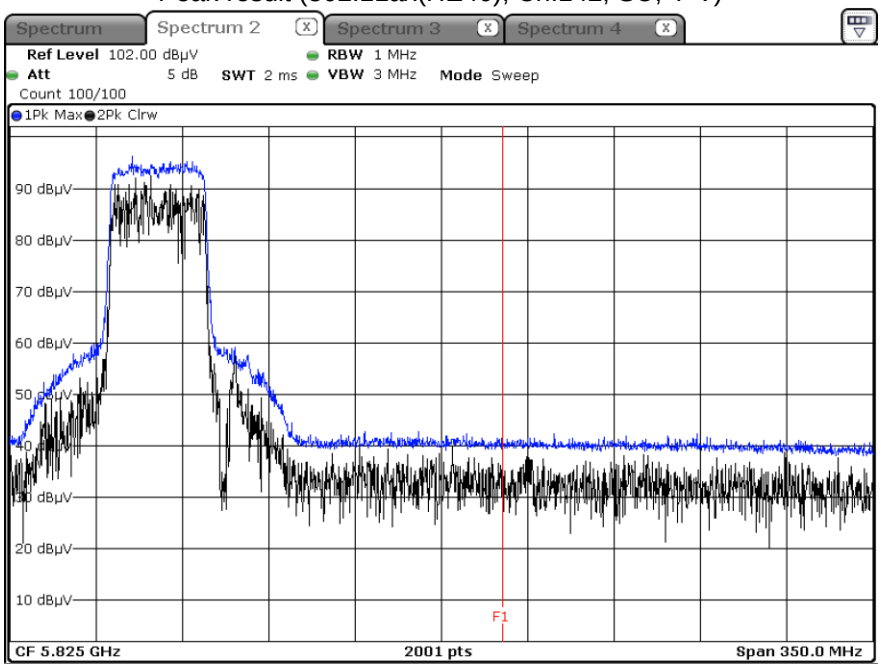
▣ Test Plots(Staraddle Channel)

[MIMO]

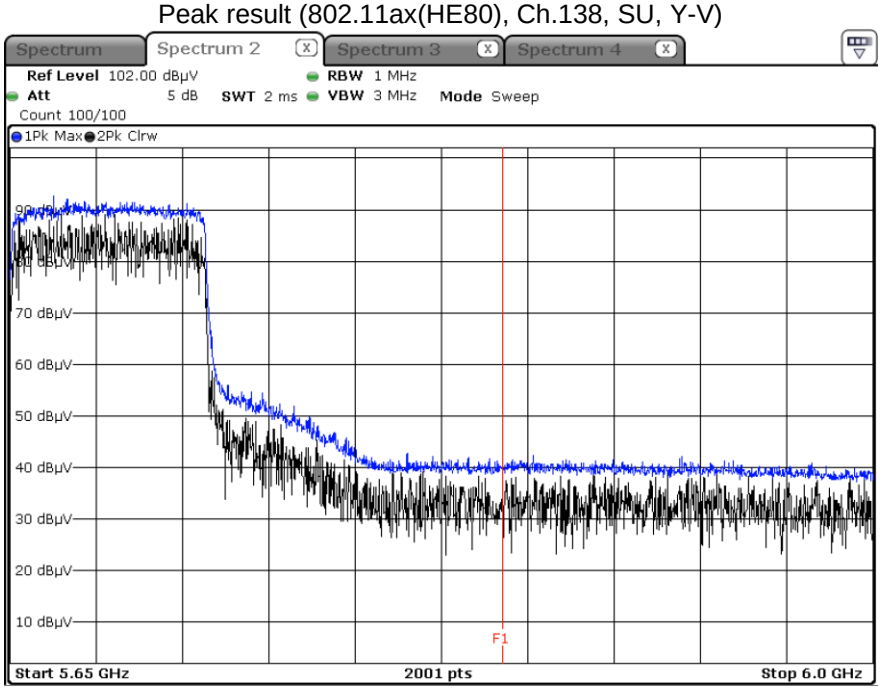
Peak result (802.11ax(HE20), Ch.144, SU, Y-V)



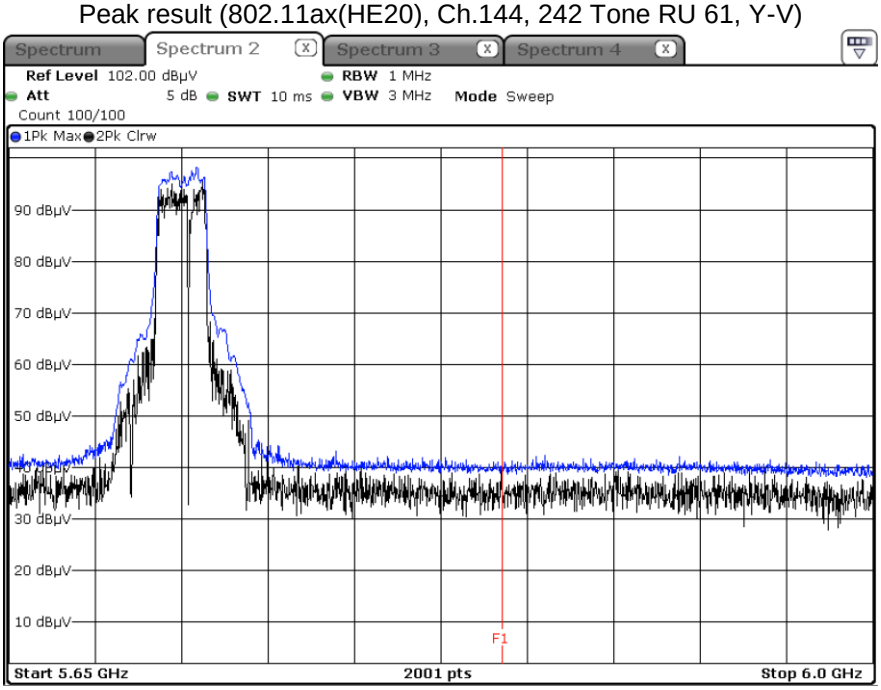
Peak result (802.11ax(HE40), Ch.142, SU, Y-V)



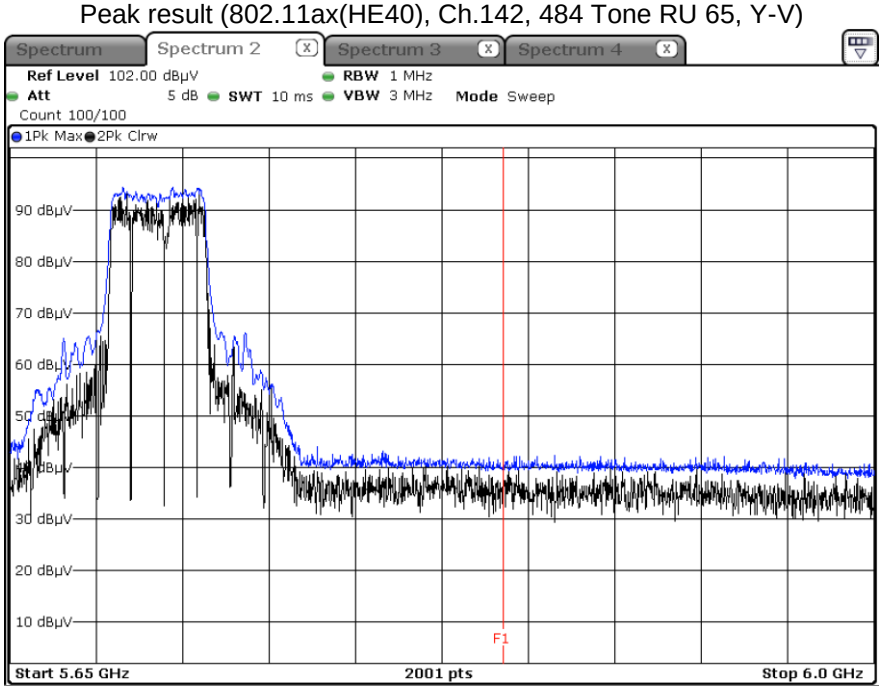
Peak result (802.11ax(HE80), Ch.138, SU, Y-V)



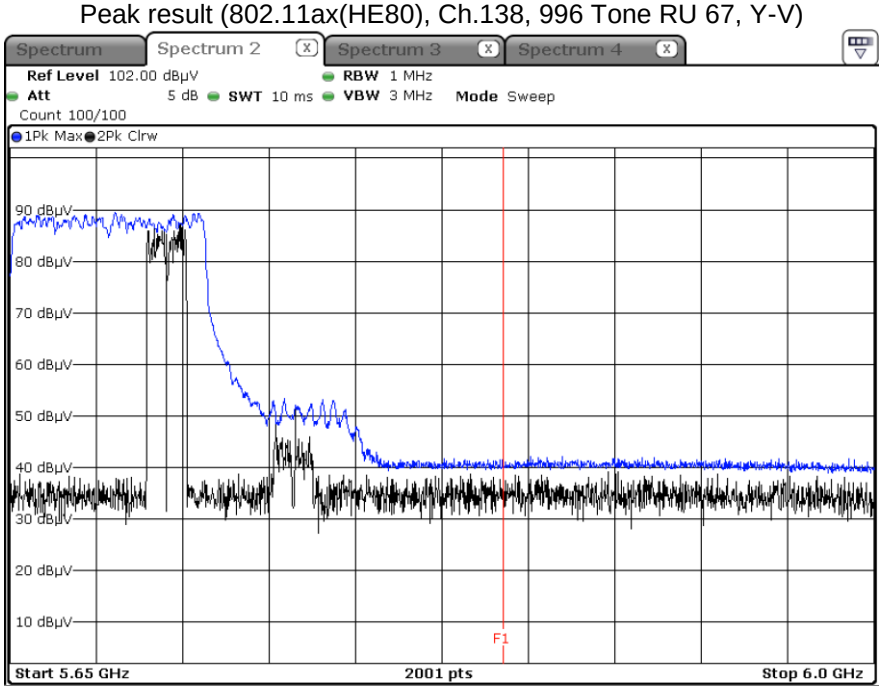
Peak result (802.11ax(HE20), Ch.144, 242 Tone RU 61, Y-V)



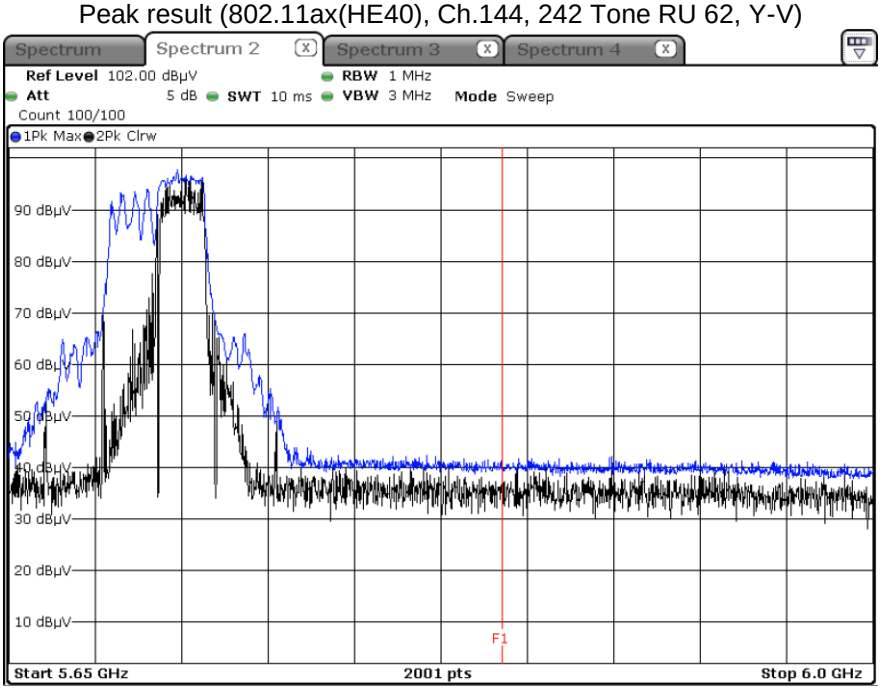
Peak result (802.11ax(HE40), Ch.142, 484 Tone RU 65, Y-V)



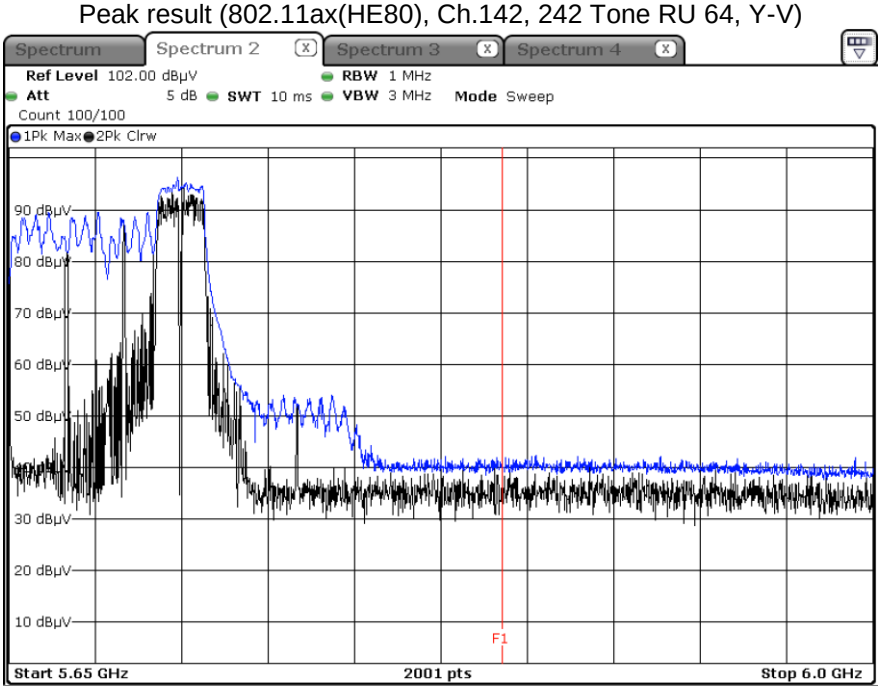
Peak result (802.11ax(HE80), Ch.138, 996 Tone RU 67, Y-V)



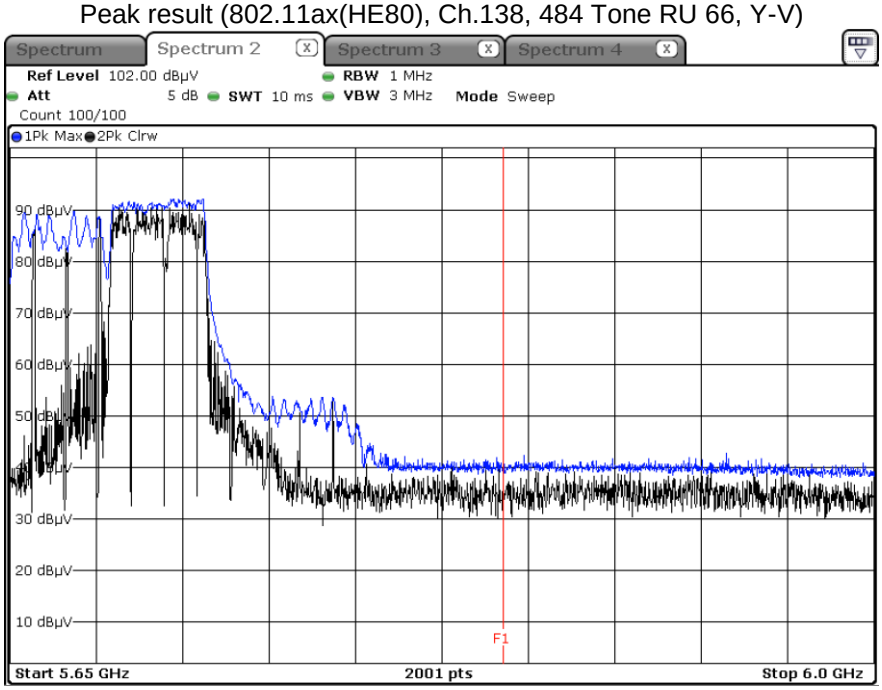
Peak result (802.11ax(HE40), Ch.144, 242 Tone RU 62, Y-V)



Peak result (802.11ax(HE80), Ch.142, 242 Tone RU 64, Y-V)



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



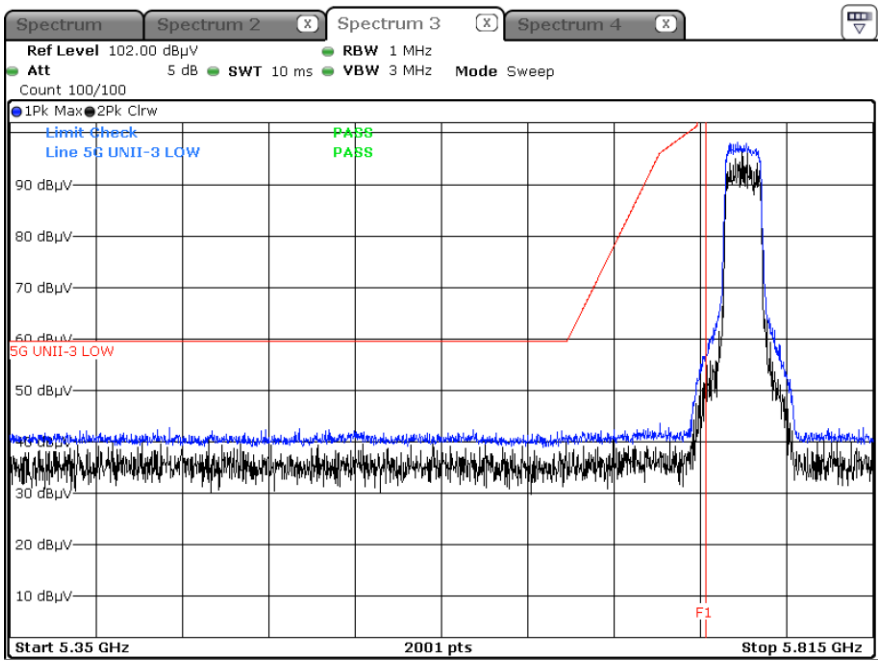
Note :

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)

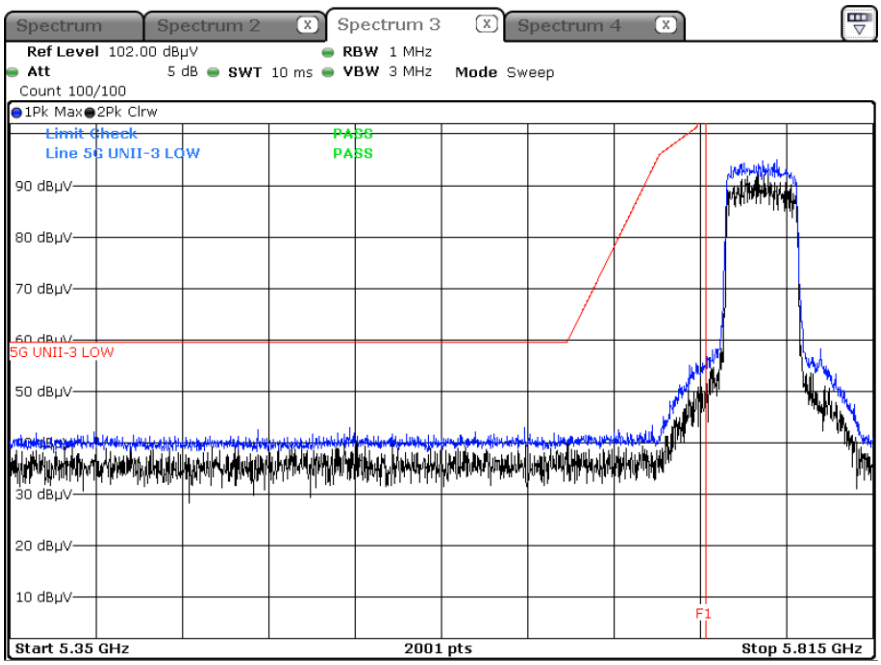
▣ Test Plots(UNII 3)_Low Edge

[MIMO]

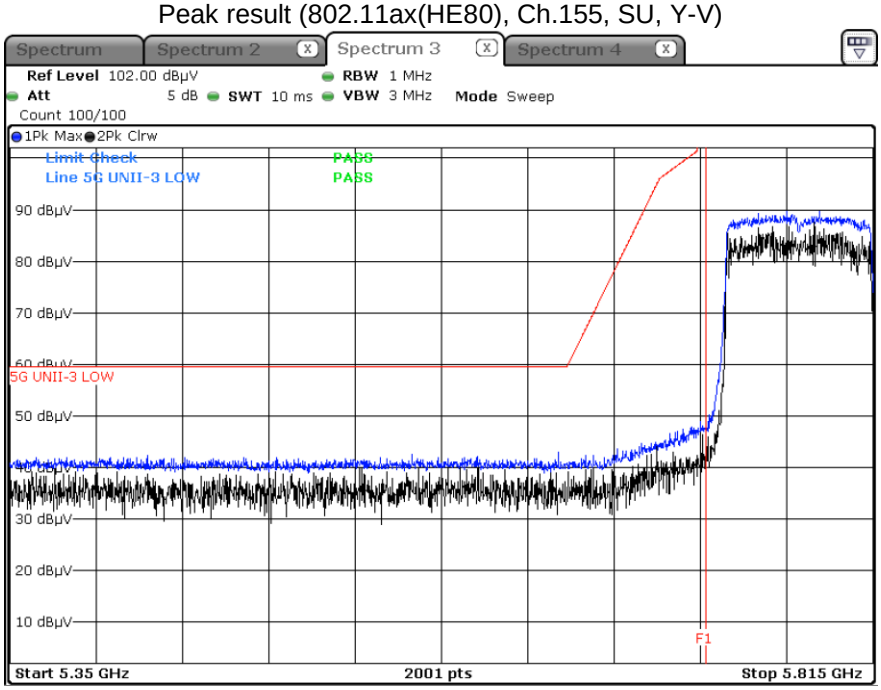
Peak result (802.11ax(HE20), Ch.149, SU, Y-V)



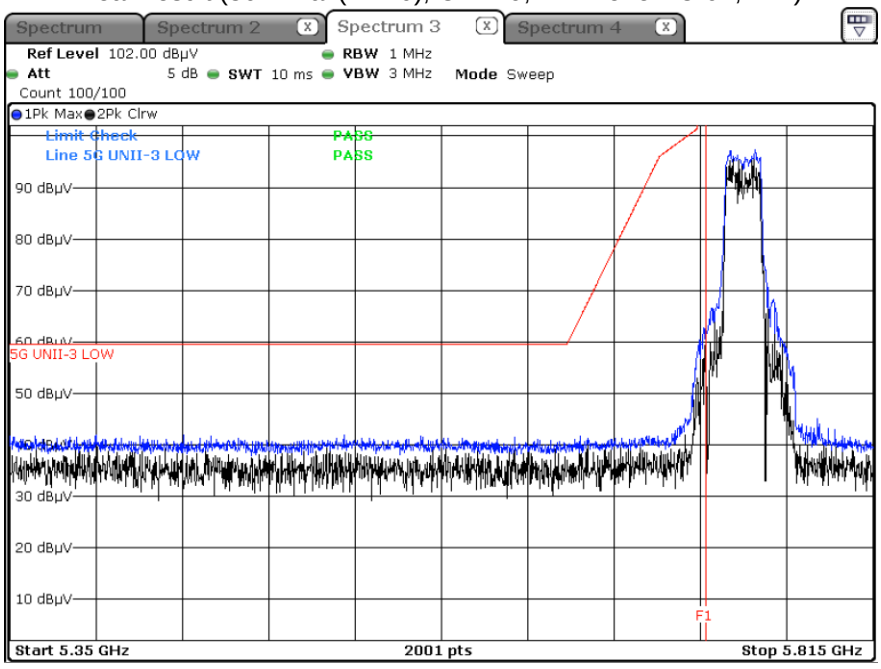
Peak result (802.11ax(HE40), Ch.151, SU, Y-V)



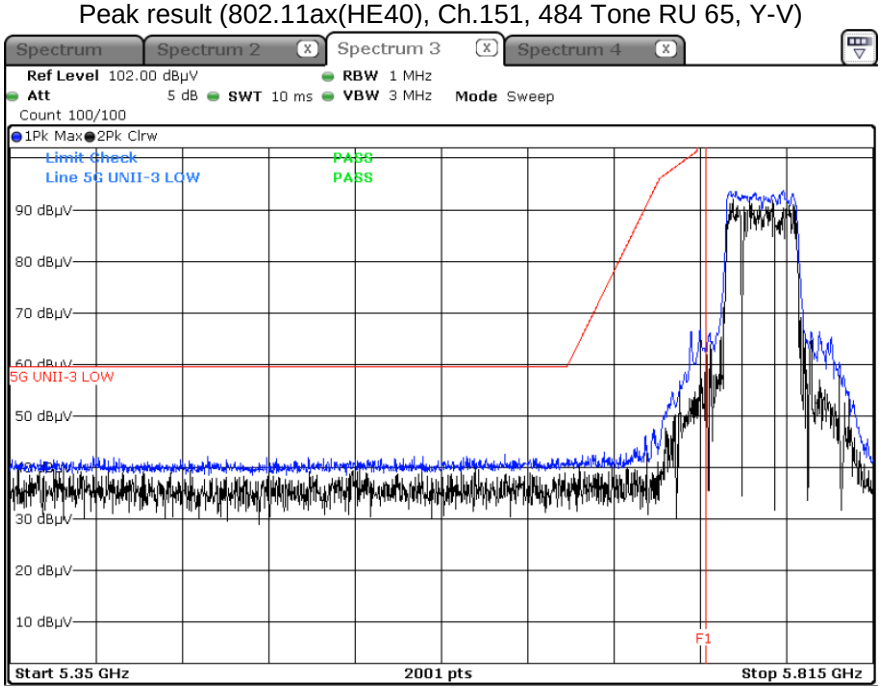
Peak result (802.11ax(HE80), Ch.155, SU, Y-V)



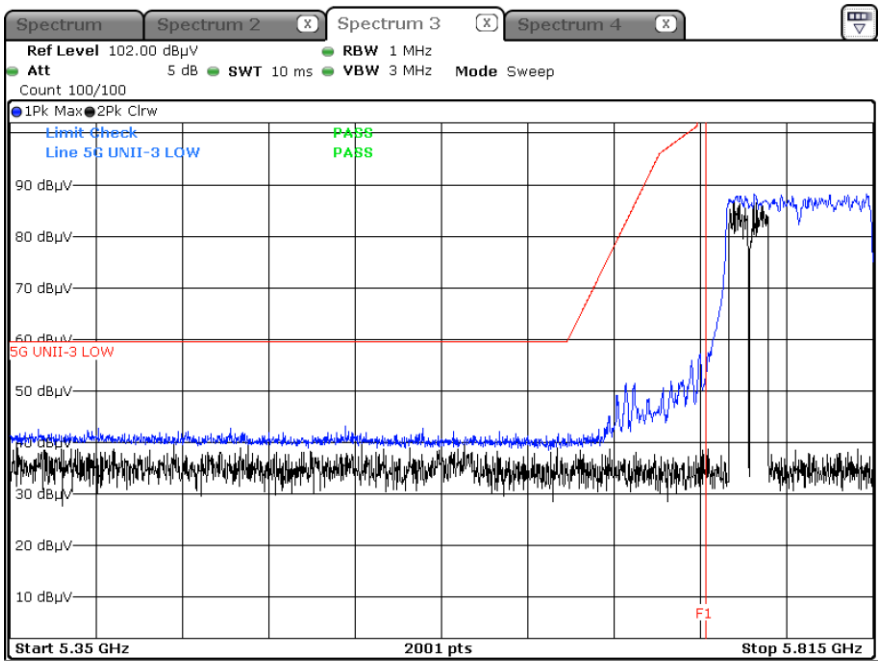
Peak result (802.11ax(HE20), Ch.149, 242 Tone RU 61, Y-V)



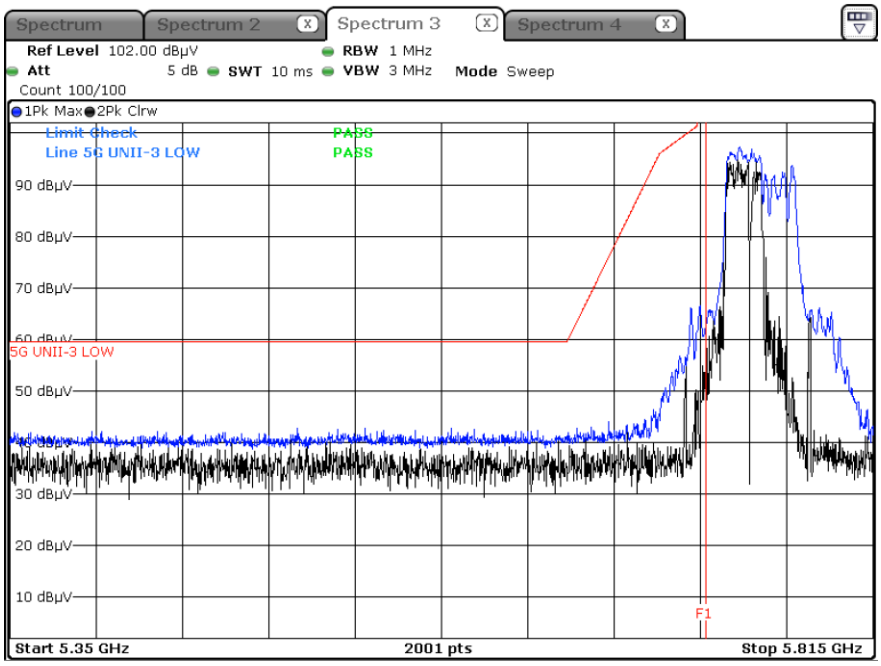
Peak result (802.11ax(HE40), Ch.151, 484 Tone RU 65, Y-V)



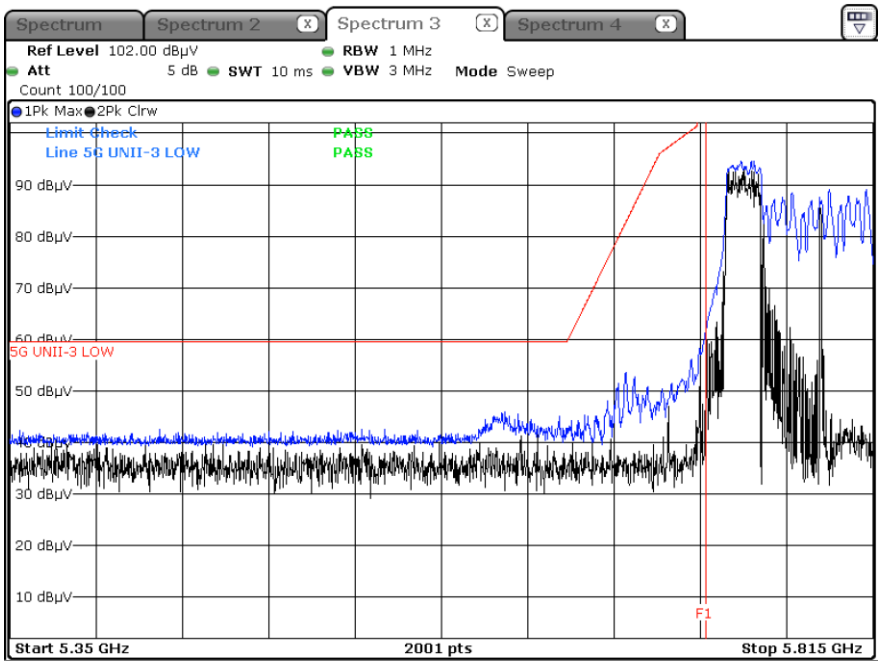
Peak result (802.11ax(HE80), Ch.155, 996 Tone RU 67, Y-V)



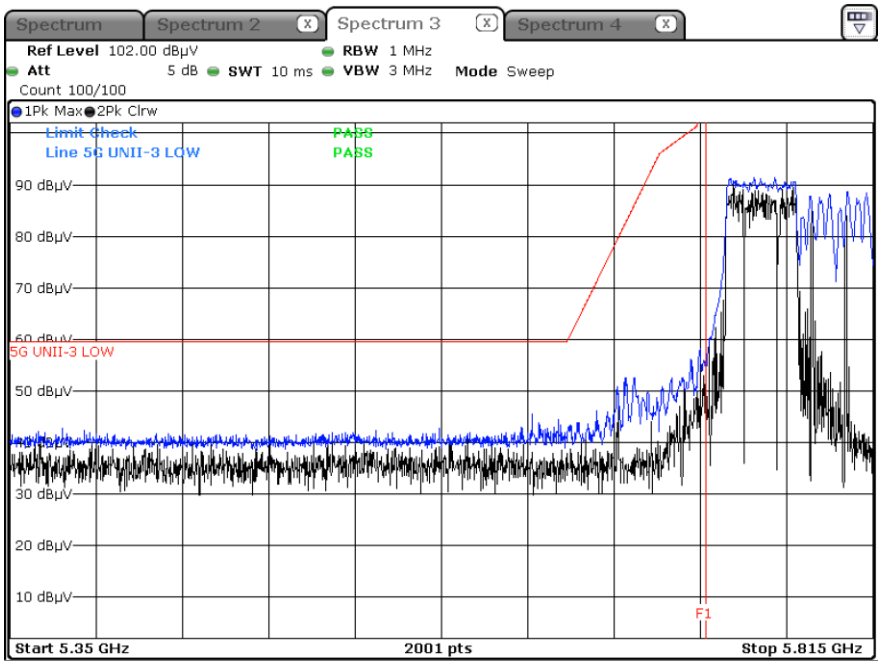
Peak result (802.11ax(HE40), Ch.151, 242 Tone RU 61, Y-V)



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



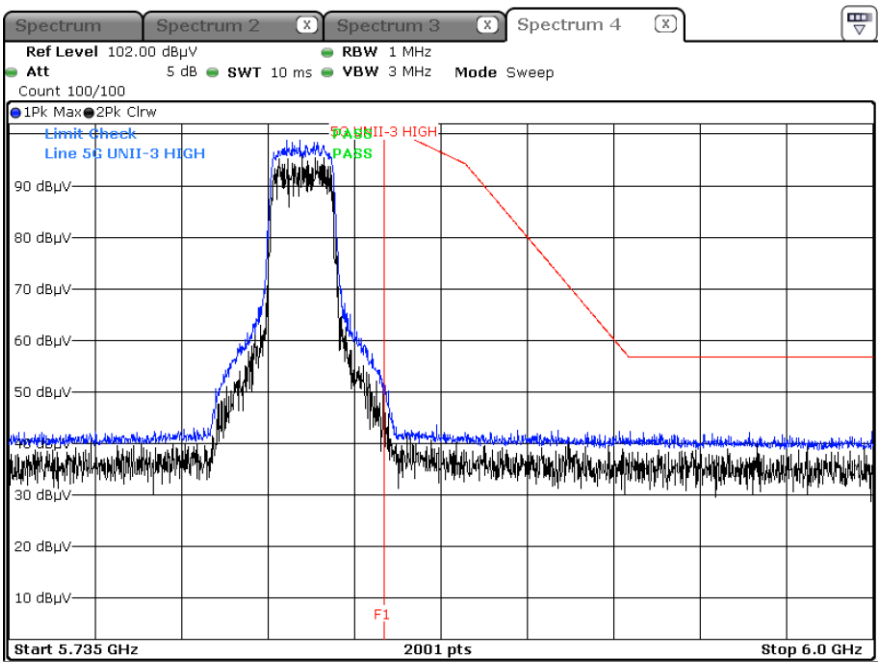
Peak result (802.11ax(HE80), Ch.155, 484 Tone RU 65, Y-V)



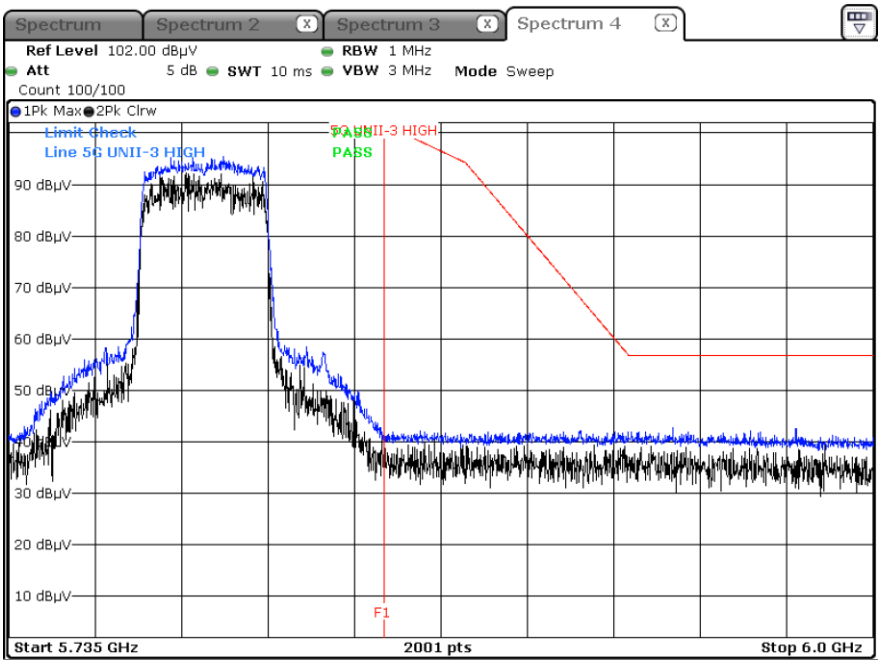
▣ Test Plots(UNII 3)_High Edge

[MIMO]

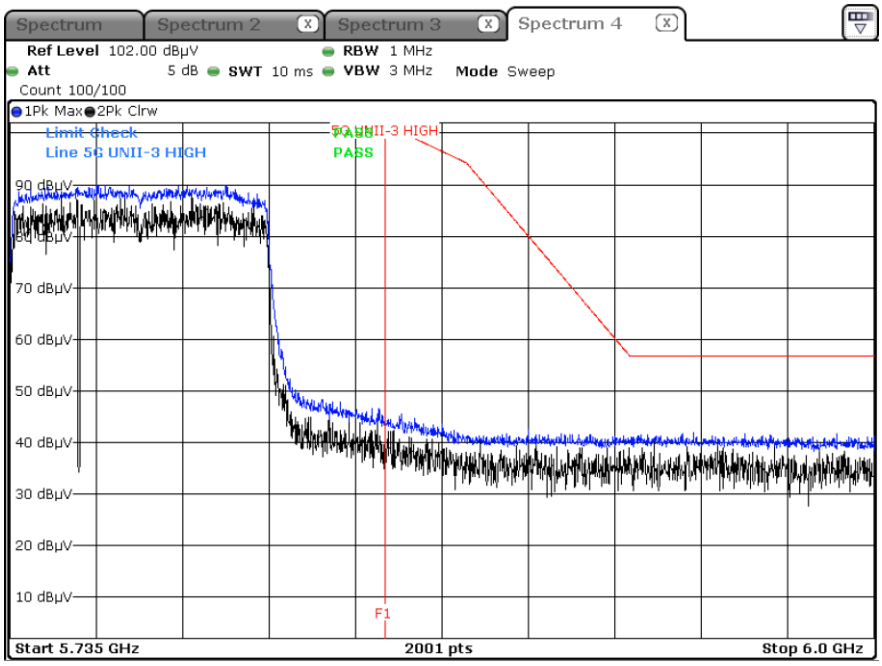
Peak result (802.11ax(HE20), Ch.165, SU, Y-V)



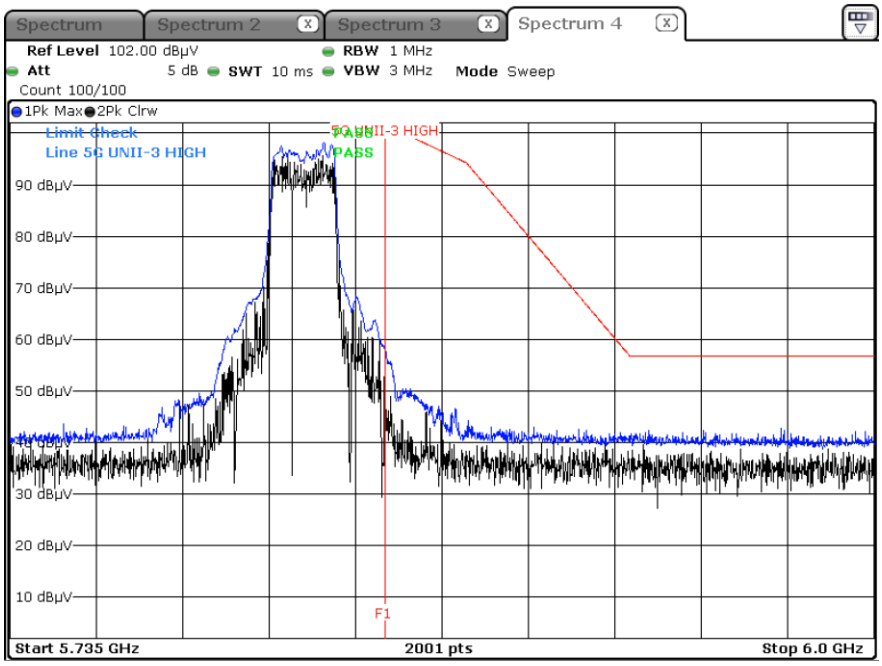
Peak result (802.11ax(HE40), Ch.159, SU, Y-V)



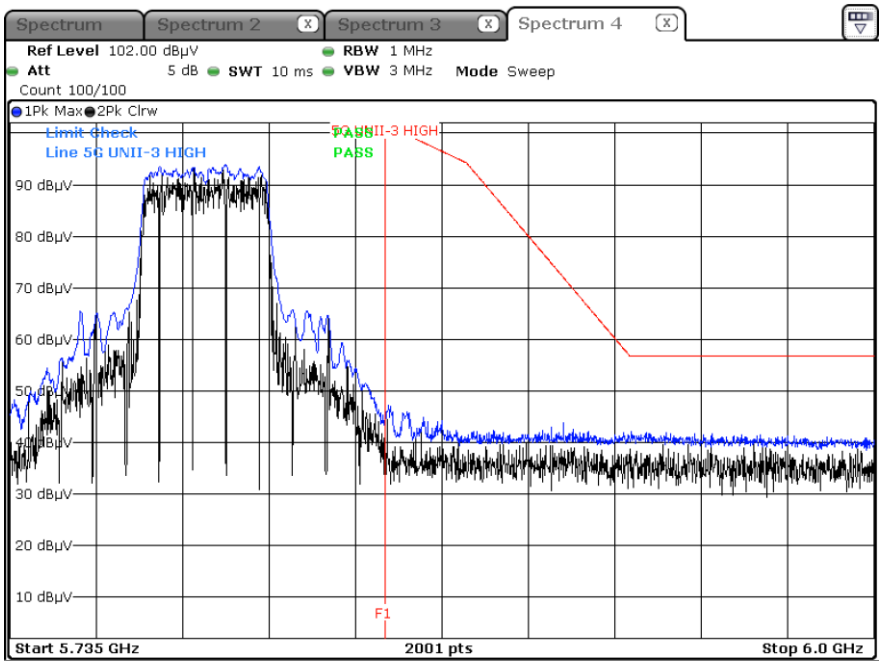
Peak result (802.11ax(HE80), Ch.155, SU, Y-V)



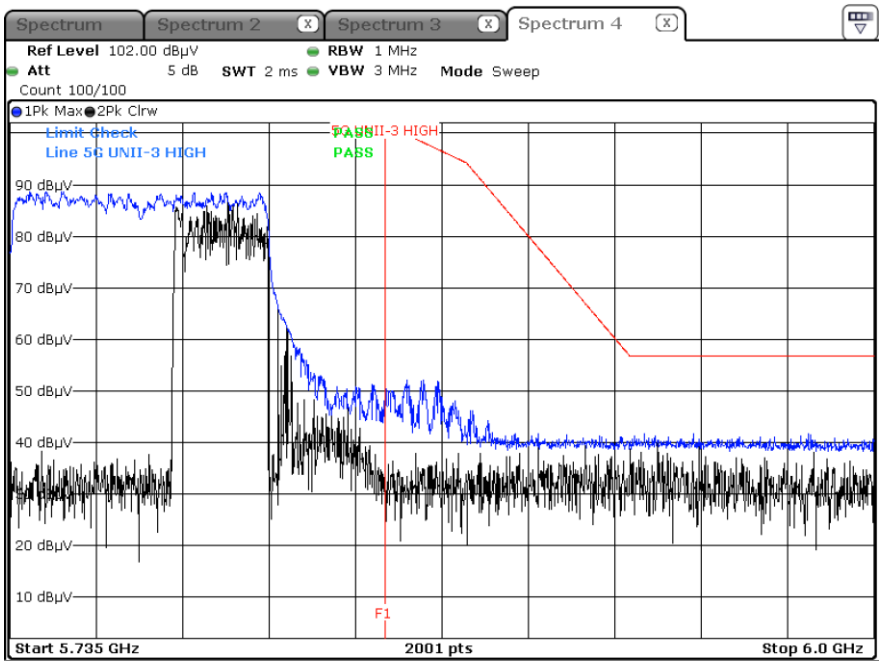
Peak result (802.11ax(HE20), Ch.165, 242 Tone RU 61, Y-V)



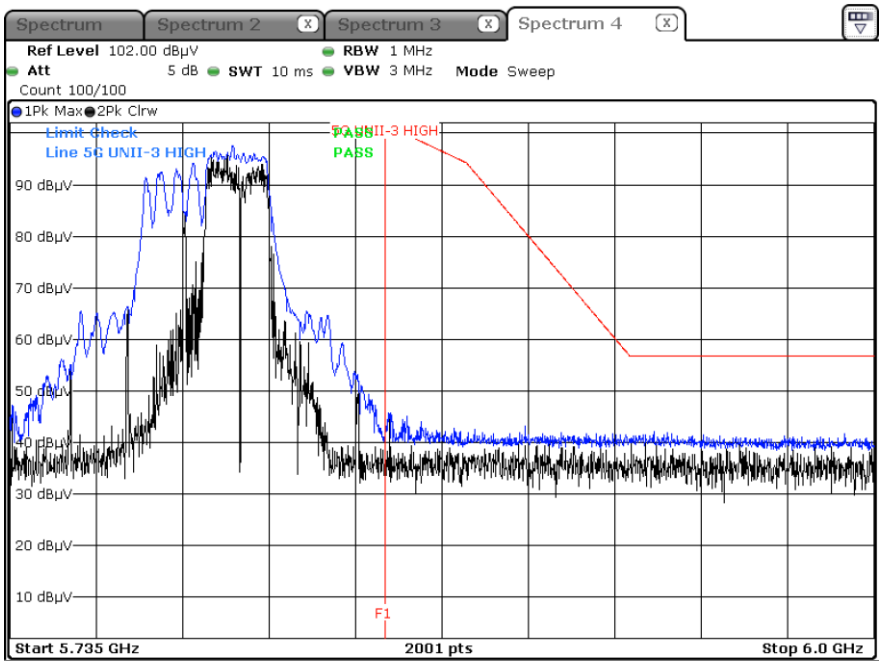
Peak result (802.11ax(HE40), Ch.159, 484 Tone RU 65, Y-V)



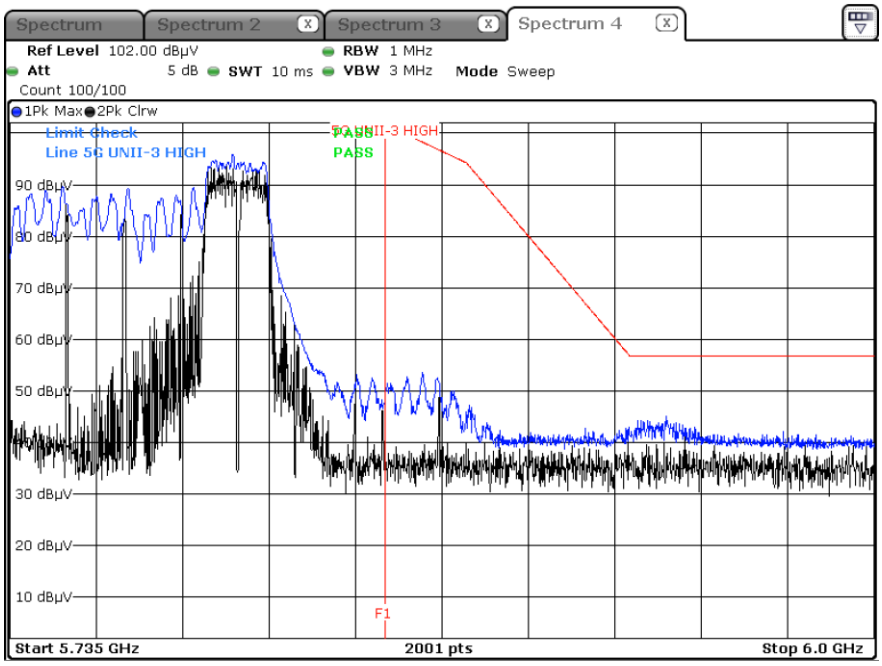
Peak result (802.11ax(HE80), Ch.155, 996 Tone RU 67, Y-V)



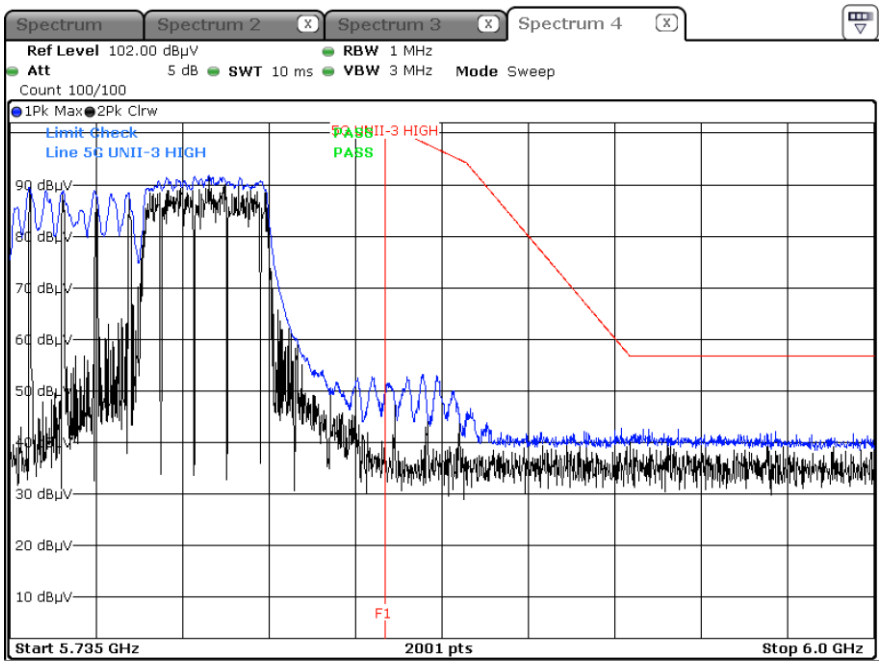
Peak result (802.11ax(HE40), Ch.159, 242 Tone RU 62, Y-V)



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



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



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.

11. LIST OF TESTEQUIPMENT

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	03/04/2023	Annual
Signal Analyzer	N9030A	Agilent	MY49431210	01/11/2023	Annual
Power Measurement Set	OSP 120	Rohde & Schwarz	101231	07/02/2022	Annual
Power Meter	N1911A	Agilent	MY45100523	03/24/2023	Annual
Power Sensor	N1921A	Keysight	MY57820067	03/24/2023	Annual
Directional Coupler	87300B	Agilent	3116A03621	11/02/2022	Annual
Power Splitter	11667B	Hewlett Packard	05001	05/20/2022	Annual
DC Power Supply	E3646A	Agilent	MY40002937	12/14/2022	Annual
Attenuator(10 dB)	8493C	Hewlett Packard	07560	06/18/2022	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
Loop Antenna	FMZB 1513	Rohde & Schwarz	1513-333	03/17/2024	Biennial
Hybrid Antenna	VULB 9168	Schwarzbeck	760	02/22/2023	Biennial
Horn Antenna	BBHA 9120D	Schwarzbeck	02299	05/19/2022	Biennial
Horn Antenna (15GHz ~ 40 GHz)	BBHA9170	Schwarzbeck	BBHA9170342	10/13/2022	Biennial
Spectrum Analyzer	FSV40-N	Rohde & Schwarz	102168	07/05/2022	Annual
Signal Analyzer	N9030A	Agilent	MY49431210	01/11/2023	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
Band Reject Filter	WRCJV2400/2483.5-2370/2520-60/12SS	Wainwright Instruments	2	01/06/2023	Annual
Band Reject Filter	WRCJV5100/5850-40/50-8EEK	Wainwright Instruments	1	02/072023	Annual
High Pass Filter	WHK3.0/18G-10EF	Wainwright Instruments	8	01/21/2023	Annual
High Pass Filter	WHKX8-6090-7000-18000-40SS	Wainwright Instruments	25	01/21/2023	Annual
Attenuator (3 dB)	18B-03	Api tech.	1	01/21/2023	Annual
Attenuator(10 dB)	8493C-10	Agilent	08285	01/21/2023	Annual
Power Amplifier	CBLU1183540	CERNEX	22964	01/21/2023	Annual
Power Amplifier	CBL06185030	CERNEX	22965	01/21/2023	Annual
Power Amplifier	CBL18265035	CERNEX	22966	12/02/2022	Annual
Power Amplifier	CBL26405040	CERNEX	25956	03/11/2023	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-2205-FC002-P