74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, 17383, Rep. of KOREA
TEL: +82-31-645-6300 FAX: +82-31-645-6401

FCC UNII REPORT

Certification

Applicant Name:
SAMSUNG Electronics Co., Ltd.

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

Date of Issue:
May 16, 2022

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

Report No.: HCT-RF-2205-FC051

FCC ID:	**A3LSMG736U**
APPLICANT:	**SAMSUNG Electronics Co., Ltd.**

Model:	SM-G736U
Additional Model:	SM-G736U1
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 : Woong Jin 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-FC051	May 16, 2022	- First Approval Report

Table of Contents

1. GENERAL INFORMATION

EUT DESCRIPTION

Model	SM-G736U	
Additional Model	SM-G736U1	
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 30, 2022 ~May 13, 2022	
Serial number	Radiated: R3CT30RY5WR Conducted: R3CT30RX81X	

ANTENNA CONFIGURATIONS

Configurations	SISO		MIMO	
	Ant.1	Ant.2	CDD	SDM
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 = $10 \cdot \log(((10^{(ANT1\ Gain/20)}+10^{(ANT2\ Gain/20)})^2)/2)$ 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

Sample e.i.r.p Power Spectral Density Calculation:

Ex) Ant 1 : -8.45 dBi Ant 2 : -7.99 dBi

e.i.r.p Power Spectral Density(dBm) = Power spectral Density(dBm) + Ant Gain (dBi)

14.88 dBm+-5.21 dBi = 9.67 dBm

2. MAXIMUM OUTPUT POWER

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

Band	Mode	SUM	
		(SISO Ant 1 + SISO Ant2) Power	
		(dBm)	(W)
UNII1	802.11ax (HE20)	17.87	0.061
	802.11ax (HE40)	17.89	0.062
	802.11ax (HE80)	13.70	0.023
UNII2A	802.11ax (HE20)	17.80	0.060
	802.11ax (HE40)	17.86	0.061
	802.11ax (HE80)	13.69	0.023
UNII2C	802.11ax (HE20)	16.89	0.049
	802.11ax (HE40)	17.00	0.050
	802.11ax (HE80)	16.94	0.049
UNII3	802.11ax (HE20)	16.88	0.049
	802.11ax (HE40)	16.93	0.049
	802.11ax (HE80)	12.49	0.018

802.11ax (HE160)

Band	Mode	SUM	
		(SISO Ant 1 + SISO Ant 2) Power	
		(dBm)	(W)
UNII 1-2A	802.11ax (HE160)	3.37	0.002
UNII 2C		14.97	0.031

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.

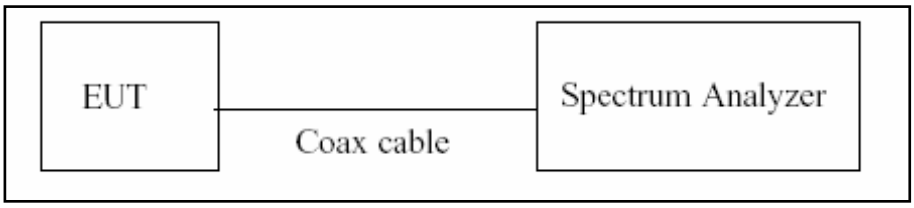
The measurement data shown herein meets or exceeds the U_{CISPR} measurement uncertainty values specified in CISPR 16-4-2 and, thus, can be compared directly to specified limits to determine compliance.

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.

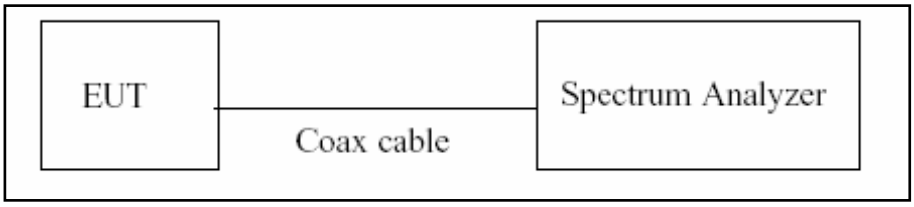
1. RBW = 8 MHz (the largest available value)
2. VBW = 8 MHz (≥ RBW)
3. SPAN = 0 Hz
4. Detector = Peak
5. Number of points in sweep > 100
6. Trace mode = Clear write
7. Measure T_{total} and T_{on}
8. Calculate Duty Cycle = T_{on}/ T_{total} and Duty Cycle Factor = 10log(1/Duty Cycle)

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.

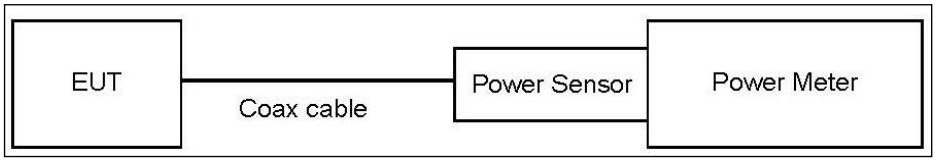
8.3. Output Power Measurement

Limit

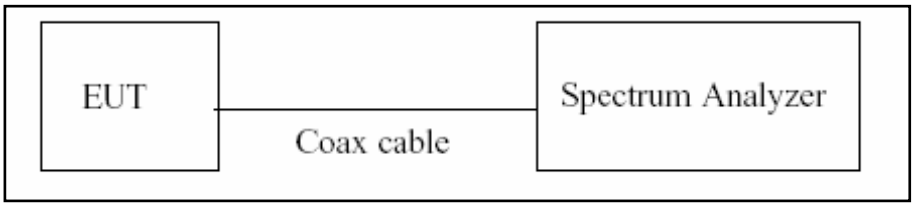
Band	Limit
UNII 1	- Master : Not exceed 1 W(=30 dBm) - Slave : Not exceed 250 mW(=23.98 dBm)
UNII 2A, 2C	Not exceed the lesser of 250 mW or 11 dBm + 10 log B, (where B is the 26 dB emission bandwidth in megahertz.)
UNII 3	Not exceed 1 W(=30 dBm)

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(20 dB) + Cable loss + EUT cable Loss (0.82 dB)
   Ant.2: Loss = Attenuator loss(20 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	21.64	20.82
UNII 2A	21.64	20.82
UNII 2C	21.64	20.82
UNII 3	21.64	20.82

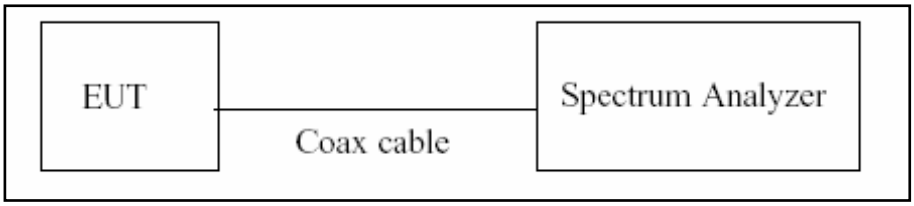
(Actual value of loss for the attenuator and cable combination)

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(20 dB) + Cable loss + EUT cable Loss (0.82 dB)
   Ant.2: Loss = Attenuator loss(20 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	21.64	20.82
UNII 2A	21.64	20.82
UNII 2C	21.64	20.82
UNII 3	21.64	20.82

(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

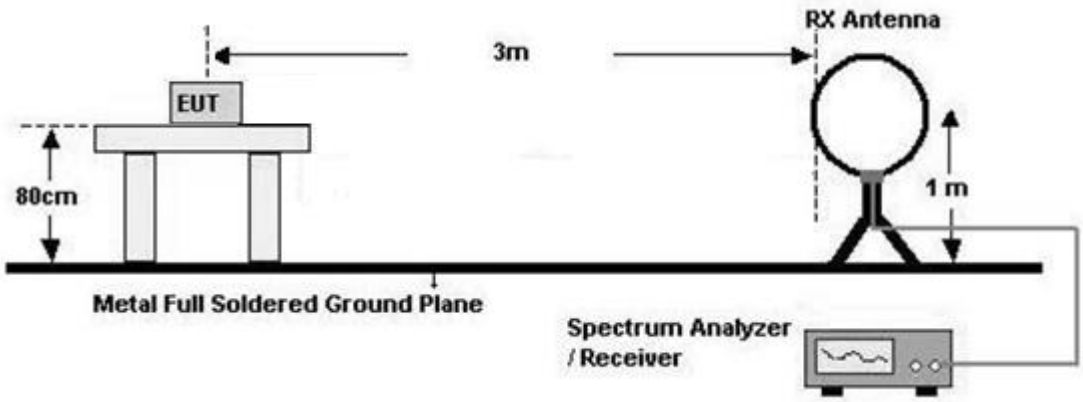
Limit

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.

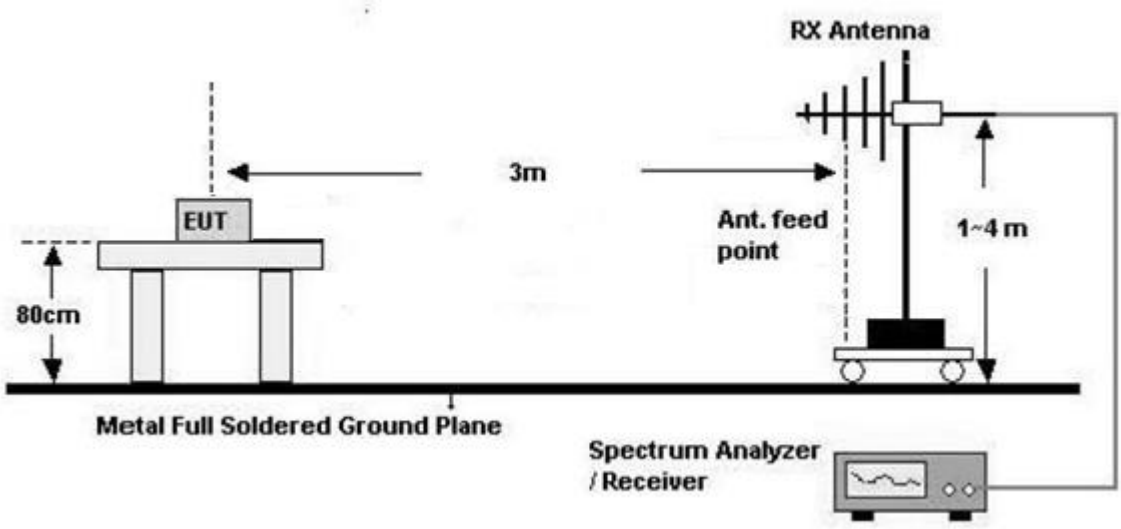
Frequency (MHz)	Field Strength (μV/m)	Measurement Distance (m)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Test Configuration

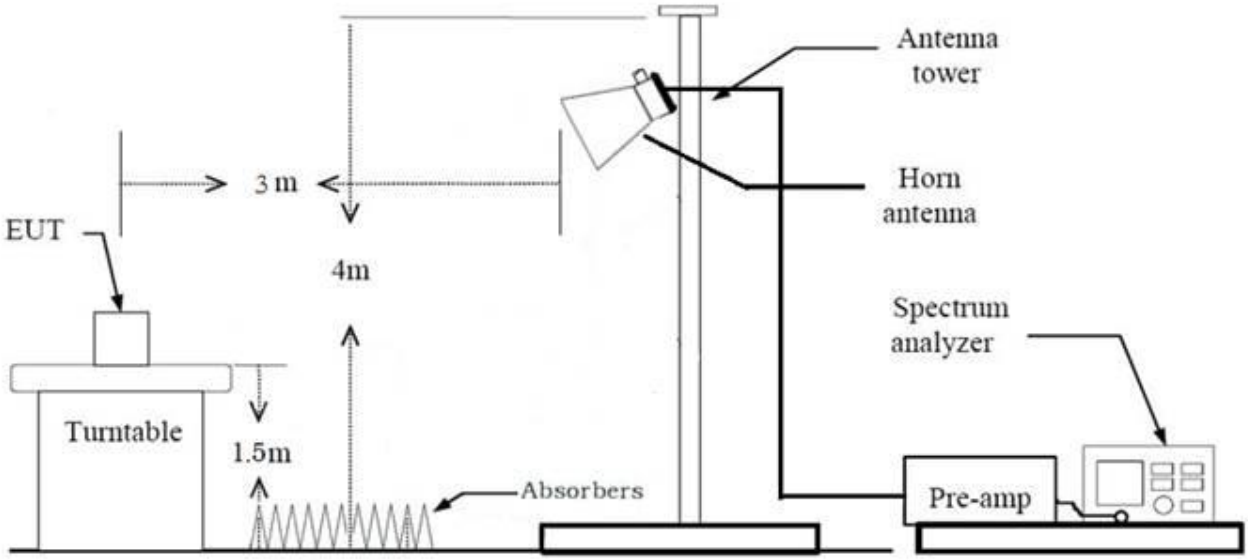
Below 30 MHz



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	1000
	52	MCS0	0.993	0.03	0.386	1000
	106	MCS0	0.988	0.05	0.696	1000
	242	MCS0	0.974	0.11	1.478	3000
802.11ax (HE40)	26	MCS0	0.993	0.03	0.385	1000
	52	MCS0	0.993	0.03	0.386	1000
	106	MCS0	0.990	0.05	0.696	1000
	242	MCS0	0.978	0.10	1.478	3000
	484	MCS0	0.962	0.17	2.597	3000
802.11ax (HE80)	26	MCS0	0.994	0.03	0.385	1000
	52	MCS0	0.994	0.03	0.386	1000
	106	MCS0	0.988	0.05	0.697	1000
	242	MCS0	0.978	0.10	1.478	3000
	484	MCS0	0.962	0.17	2.597	3000
	996	MCS0	0.938	0.28	4.338	5000
802.11ax (HE160)	26	MCS0	0.994	0.03	0.385	1000
	52	MCS0	0.993	0.03	0.386	1000
	106	MCS0	0.990	0.05	0.696	1000
	242	MCS0	0.978	0.10	1.478	3000
	484	MCS0	0.956	0.20	2.614	3000
	996	MCS0	0.933	0.30	4.320	5000
802.11ax (SU)	BW 20	MCS0	0.974	0.11	1.484	3000
	BW 40	MCS0	0.956	0.20	2.614	3000
	BW 80	MCS0	0.929	0.32	4.338	5000
	BW 160	MCS0	0.997	0.01	0.183	5000

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-G736U, SM-G736U1were tested and the worst case results are reported.

(Worst case : SM-G736U)

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 : Y
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-G736U, SM-G736U1 were tested and the worst case results are reported.

(Worst case : SM-G736U)

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 : Y
3. The following tables show the worst case configurations determined during testing.

Description	Bluetooth Emission	5 GHz Emission
Antenna	WIFI/BT	WIFI/BT
Channel	0	50
Data Rate	1 Mbps	MCS0
Mode	8DPSK: 3-DH5	802.11ax(HE160)_SU

4. 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	Test case
Bluetooth ANT.1 + 6 GHz WiFi MIMO					on	on	on		
Bluetooth ANT.1 + 5GHz WiFi MIMO			on	on	-	-	on	-	Case 1

AC Power line Conducted Emissions

1. Please refer to the SM-G736U[UNII] Test Report.
2. SM-G736U, SM-G736U1were tested and the worst case results are reported.

(Worst case : SM-G736U)

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	2.594	2.612	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	2.596	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	2.597	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	0.246	0.938	0.28
802.11ax (HE160)	26	MCS0	2.597	2.612	0.994	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	0.383	0.400	0.956	0.20
	996	MCS0	0.232	0.248	0.933	0.30
802.11ax (SU)	BW 20	MCS0	0.674	0.692	0.974	0.11
	BW 40	MCS0	0.383	0.400	0.956	0.20
	BW 80	MCS0	0.231	0.248	0.929	0.32
	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	20.60	20.70	21.35	-	-
			Mid	18.85	18.94	-	22.27	22.34
			High	20.67	20.59	20.85	-	-
	5200	40	Low	20.54	20.94	21.36	-	-
			Mid	18.72	19.04	-	22.34	22.38
			High	20.46	20.36	20.82	-	-
	5240	48	Low	20.35	20.99	21.30	-	-
			Mid	18.84	19.15	-	22.26	22.31
			High	20.65	20.58	20.99	-	-
UNII 2A	5260	52	Low	20.49	20.96	21.38	-	-
			Mid	18.43	19.22	-	22.36	22.38
			High	20.50	20.54	20.84	-	-
	5280	56	Low	20.50	20.68	21.23	-	-
			Mid	18.66	18.99	-	22.38	22.37
			High	20.61	20.29	20.87	-	-
	5320	64	Low	20.47	21.29	21.34	-	-
			Mid	18.63	19.17	-	22.40	22.31
			High	20.50	20.29	20.79	-	-
UNII 2C	5500	100	Low	20.54	20.79	21.42	-	-
			Mid	18.67	19.13	-	22.41	22.33
			High	20.53	20.21	20.82	-	-
	5600	120	Low	20.49	20.99	21.45	-	-
			Mid	18.73	19.17	-	22.38	22.34
			High	20.56	20.56	20.80	-	-
	5720	144	Low	20.39	20.80	21.39	-	-
			Mid	18.76	19.01	-	22.30	22.36
			High	20.62	20.54	20.79	-	-
UNII 3	5745	149	Low	20.35	20.59	21.11	-	-
			Mid	18.62	19.20	-	22.27	22.40
			High	20.59	20.25	20.95	-	-
	5785	157	Low	20.51	20.96	21.32	-	-
			Mid	18.79	19.19	-	22.36	22.36
			High	20.33	20.64	21.00	-	-
	5825	165	Low	20.73	20.76	21.40	-	-
			Mid	18.69	19.30	-	22.42	22.28
			High	20.52	20.58	21.25	-	-

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	40.17	40.61	40.89	41.85	-	-
			Mid	38.08	38.35	38.76	-	43.55	43.83
			High	40.25	40.49	40.94	42.54	-	-
	5230	46	Low	40.38	40.67	40.87	42.08	-	-
			Mid	38.07	38.20	38.50	-	43.72	43.68
			High	40.16	40.46	40.82	42.14	-	-
UNII 2A	5270	54	Low	40.19	40.67	40.93	41.65	-	-
			Mid	38.08	38.24	38.73	-	43.71	43.65
			High	40.53	40.75	40.97	42.30	-	-
	5310	62	Low	40.36	40.57	40.84	41.59	-	-
			Mid	38.12	38.39	38.59	-	43.64	43.70
			High	40.19	40.61	40.95	42.20	-	-
UNII 2C	5510	102	Low	40.41	40.81	40.95	41.52	-	-
			Mid	38.20	38.35	38.68	-	43.92	43.79
			High	40.57	40.55	41.04	42.62	-	-
	5590	118	Low	40.39	40.94	40.74	41.75	-	-
			Mid	38.09	37.54	38.39	-	43.82	43.85
			High	40.23	40.46	40.94	42.02	-	-
	5710	142	Low	40.51	40.95	40.95	41.72	-	-
			Mid	38.11	38.27	38.55	-	43.54	43.70
			High	40.41	40.44	41.00	41.89	-	-
UNII 3	5755	151	Low	40.49	40.58	40.86	41.70	-	-
			Mid	38.07	38.33	38.51	-	43.62	43.74
			High	40.37	40.74	40.58	42.36	-	-
	5795	159	Low	40.49	41.06	41.04	41.52	-	-
			Mid	38.21	38.32	38.76	-	43.59	43.64
			High	40.41	40.66	40.87	42.12	-	-

802.11ax(HE80)

HE80	Freq. [MHz]	Channel No.	RU Index	26 dB BW (MHz)						
				26 T	52 T	106 T	242 T	484 T	996 T	SU
UNII 1	5210	42	Low	82.00	83.80	83.61	84.78	85.28	-	-
			Mid	78.40	78.63	79.00	81.90	-	88.27	87.83
			High	81.11	83.01	81.81	83.98	84.45	-	-
UNII 2A	5290	58	Low	82.52	83.35	82.71	84.34	84.88	-	-
			Mid	78.41	78.53	79.26	82.44	-	90.02	89.93
			High	81.71	82.22	82.34	83.83	84.36	-	-
UNII 2C	5530	106	Low	81.76	82.82	82.62	84.60	84.91	-	-
			Mid	78.34	78.78	78.89	82.25	-	88.67	89.77
			High	81.08	82.80	82.20	85.69	84.23	-	-
	5610	122	Low	81.67	83.00	82.70	83.98	85.26	-	-
			Mid	78.37	78.57	79.15	82.60	-	90.75	89.50
			High	81.52	81.83	82.10	84.54	84.30	-	-
	5690	138	Low	82.28	82.95	82.32	84.23	85.52	-	-
			Mid	78.14	78.35	79.25	82.49	-	89.07	89.37
			High	82.04	82.79	81.79	84.24	84.46	-	-
UNII 3	5775	155	Low	81.66	83.55	82.69	84.40	84.53	-	-
			Mid	78.44	78.31	79.40	82.39	-	91.49	89.93
			High	81.36	82.50	82.74	84.09	84.24	-	-

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	163.5	164.8	163.9	166.5	167.5	-	-
			Mid	157.7	158.3	159.5	162.3	-	305.7	-
			High	158.5	158.8	159.7	162.6	166.3	-	-
UNII 2C	5570	114	Low	163.8	164.7	164.7	166.1	167.0	-	-
			Mid	157.9	158.6	159.2	161.4	-	170.1	-
			High	157.2	158.7	159.7	161.8	163.8	-	-

HE160_80U	Frequency [MHz]	Channel No.	RU Index	26dB BW (MHz)						
				26 T	52 T	106 T	242 T	484 T	996 T	SU
UNII 1&2A	5250	50	Low	157.9	158.7	159.7	162.4	164.2	-	-
			Mid	158.2	159.2	159.6	162.9	-	317.5	-
			High	161.9	164.2	164.7	166.7	169.8	-	-
UNII 2C	5570	114	Low	158.2	158.5	159.7	162.9	163.5	-	-
			Mid	158.8	157.6	159.0	162.7	-	166.8	-
			High	162.8	164.1	163.3	166.8	167.5	-	-

HE160_SU	Frequency [MHz]	Channel No.	26dB BW (MHz)
			SU
UNII 1&2A	5250	50	320.0
UNII 2C	5570	114	165.1

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	18.555	18.309	18.347	-	-
			Mid	17.127	17.280	-	19.156	19.161
			High	18.598	18.301	18.318	-	-
	5200	40	Low	18.561	18.418	18.314	-	-
			Mid	17.325	17.261	-	19.162	19.135
			High	18.518	18.238	18.266	-	-
	5240	48	Low	18.300	18.310	18.366	-	-
			Mid	17.228	17.270	-	19.161	19.149
			High	18.350	18.320	18.332	-	-
UNII 2A	5260	52	Low	18.519	18.386	18.269	-	-
			Mid	17.278	17.221	-	19.162	19.165
			High	18.319	18.090	18.354	-	-
	5280	56	Low	18.543	18.320	18.293	-	-
			Mid	17.257	17.234	-	19.158	19.157
			High	18.479	18.244	18.313	-	-
	5320	64	Low	18.531	18.395	18.326	-	-
			Mid	17.230	17.267	-	19.157	19.156
			High	18.561	18.222	18.315	-	-
UNII 2C	5500	100	Low	18.564	18.404	18.331	-	-
			Mid	17.315	17.219	-	19.165	19.160
			High	18.492	18.267	18.336	-	-
	5600	120	Low	18.336	18.426	18.363	-	-
			Mid	17.082	17.218	-	19.170	19.165
			High	18.498	18.242	18.344	-	-
	5720	144	Low	18.493	18.296	18.334	-	-
			Mid	17.144	17.262	-	19.164	19.137
			High	18.555	18.316	18.333	-	-
UNII 3	5745	149	Low	18.480	18.375	18.320	-	-
			Mid	17.264	17.079	-	19.135	19.159
			High	18.567	18.242	18.340	-	-
	5785	157	Low	18.515	18.355	18.267	-	-
			Mid	17.180	17.219	-	19.168	19.160
			High	18.595	18.209	18.344	-	-
	5825	165	Low	18.555	18.324	18.339	-	-
			Mid	17.329	17.191	-	19.153	19.163
			High	18.583	17.975	18.344	-	-

802.11ax(HE40)

HE40	Frequency [MHz]	Channel No.	RU Index	99% BANDWIDTH(MHz)					
				26 T	52 T	106 T	242 T	484 T	SU
UNII 1	5190	38	Low	38.037	37.807	37.474	37.504	-	-
			Mid	36.215	36.372	36.524	-	38.067	38.073
			High	38.109	37.643	37.392	37.590	-	-
	5230	46	Low	38.097	37.707	37.543	37.483	-	-
			Mid	36.063	36.035	36.503	-	38.056	38.046
			High	38.143	37.615	37.492	37.640	-	-
UNII 2A	5270	54	Low	38.100	37.770	37.578	37.492	-	-
			Mid	36.374	36.405	36.543	-	38.074	38.063
			High	38.298	37.630	37.631	37.613	-	-
	5310	62	Low	38.002	37.755	37.544	37.497	-	-
			Mid	36.315	36.439	36.529	-	38.059	38.054
			High	38.148	37.644	37.541	37.609	-	-
UNII 2C	5510	102	Low	38.039	37.760	37.538	37.470	-	-
			Mid	36.412	36.267	36.566	-	38.072	38.085
			High	38.168	37.676	37.563	37.613	-	-
	5590	118	Low	38.057	37.765	37.554	37.494	-	-
			Mid	36.400	35.728	36.490	-	38.076	38.083
			High	38.146	37.656	37.584	37.563	-	-
	5710	142	Low	38.153	37.760	37.541	37.516	-	-
			Mid	36.276	36.341	36.456	-	38.047	38.056
			High	38.115	37.709	37.545	37.584	-	-
UNII 3	5755	151	Low	38.134	37.561	37.556	37.469	-	-
			Mid	36.352	36.307	36.511	-	38.066	38.057
			High	38.217	37.799	37.550	37.597	-	-
	5795	159	Low	38.187	37.748	37.535	37.522	-	-
			Mid	36.402	36.438	36.540	-	38.079	38.050
			High	38.113	37.668	37.597	37.606	-	-

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	78.565	78.466	77.912	77.395	77.127	-	-
			Mid	75.304	74.617	75.210	75.703	-	77.705	77.684
			High	78.371	78.101	76.892	76.985	76.909	-	-
UNII 2A	5290	58	Low	78.815	78.184	78.017	77.431	77.088	-	-
			Mid	75.253	74.708	75.549	75.840	-	77.916	77.896
			High	78.606	77.739	77.328	77.149	77.025	-	-
UNII 2C	5530	106	Low	78.665	78.333	77.732	77.264	77.042	-	-
			Mid	75.234	74.782	75.227	75.743	-	77.806	77.802
			High	78.737	78.118	77.443	77.233	76.981	-	-
	5610	122	Low	79.235	78.410	77.861	77.325	77.122	-	-
			Mid	75.327	75.046	75.687	75.872	-	78.061	77.851
			High	78.770	77.936	77.123	77.076	77.033	-	-
	5690	138	Low	78.948	78.112	77.969	77.338	77.132	-	-
			Mid	75.031	74.770	75.386	75.938	-	77.828	77.846
			High	78.563	77.922	77.216	77.157	77.001	-	-
UNII 3	5775	155	Low	78.748	77.976	78.023	77.243	77.062	-	-
			Mid	75.296	74.820	75.680	75.835	-	78.086	77.856
			High	78.649	77.882	77.381	77.181	77.041	-	-

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	160.20	159.61	158.90	157.74	157.81	-	-
			Mid	154.18	154.92	155.24	155.66	-	157.88	-
			High	155.56	154.73	155.61	155.77	155.98	-	-
UNII 2C	5570	114	Low	158.15	157.97	157.65	156.45	156.42	-	-
			Mid	152.79	151.72	153.58	153.58	-	156.58	-
			High	152.10	153.25	153.78	153.94	154.39	-	-

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	154.44	154.70	155.45	155.94	156.03	-	-
			Mid	155.19	155.49	155.36	156.03	-	157.99	-
			High	159.49	160.14	159.15	158.91	158.48	-	-
UNII 2C	5570	114	Low	153.74	153.01	153.24	154.25	154.42	-	-
			Mid	153.38	151.95	153.63	154.12	-	156.57	-
			High	159.12	158.31	157.37	157.03	156.99	-	-

HE160_SU	Frequency [MHz]	Channel No.	99% BANDWIDTH (MHz)
			SU
UNII 1&2A	5250	50	158.31
UNII 2C	5570	114	156.48

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	20.35	20.79	21.40	-	-
			Mid	18.68	19.02	-	22.41	22.34
			High	20.65	20.55	20.95	-	-
	5200	40	Low	20.46	21.04	21.16	-	-
			Mid	18.70	19.26	-	22.45	22.35
			High	20.66	20.35	20.90	-	-
	5240	48	Low	20.48	20.71	21.30	-	-
			Mid	18.72	19.18	-	22.38	22.40
			High	20.47	20.43	20.85	-	-
UNII 2A	5260	52	Low	20.45	20.75	21.34	-	-
			Mid	18.45	19.18	-	22.27	22.35
			High	20.46	20.09	20.87	-	-
	5280	56	Low	20.40	20.76	21.41	-	-
			Mid	18.74	19.29	-	22.30	22.33
			High	20.45	20.61	20.70	-	-
	5320	64	Low	20.50	21.02	21.44	-	-
			Mid	18.75	18.78	-	22.45	22.48
			High	20.63	20.27	21.03	-	-
UNII 2C	5500	100	Low	20.41	20.70	21.28	-	-
			Mid	18.68	19.15	-	22.26	22.33
			High	20.52	20.46	21.18	-	-
	5600	120	Low	20.51	20.94	21.36	-	-
			Mid	18.45	19.32	-	22.33	22.38
			High	20.50	20.34	20.83	-	-
	5720	144	Low	20.37	20.69	21.32	-	-
			Mid	18.49	19.38	-	22.31	22.30
			High	20.39	20.57	20.58	-	-
UNII 3	5745	149	Low	20.47	20.59	21.37	-	-
			Mid	18.83	19.18	-	22.44	22.27
			High	20.51	20.41	20.94	-	-
	5785	157	Low	20.52	21.05	21.44	-	-
			Mid	18.62	19.26	-	22.36	22.39
			High	20.61	20.55	21.04	-	-
	5825	165	Low	20.51	20.94	21.44	-	-
			Mid	18.35	18.82	-	22.26	22.32
			High	20.38	20.54	20.95	-	-

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	40.44	40.72	40.94	41.74	-	-
			Mid	38.15	38.22	38.65	-	43.73	43.83
			High	40.37	40.70	40.76	42.46	-	-
	5230	46	Low	40.31	40.76	40.89	41.84	-	-
			Mid	38.15	38.35	38.65	-	43.62	43.76
			High	40.19	40.81	41.35	42.48	-	-
UNII 2A	5270	54	Low	40.46	40.91	40.78	41.58	-	-
			Mid	38.11	38.34	38.69	-	43.73	43.69
			High	40.43	40.80	41.17	42.30	-	-
	5310	62	Low	40.25	40.62	40.84	41.67	-	-
			Mid	38.00	38.25	38.73	-	43.91	43.74
			High	40.40	40.46	40.98	42.41	-	-
UNII 2C	5510	102	Low	40.43	40.89	41.00	41.60	-	-
			Mid	38.11	38.31	38.76	-	43.81	43.70
			High	40.30	40.68	41.03	42.30	-	-
	5590	118	Low	40.35	40.91	40.93	41.52	-	-
			Mid	38.09	38.20	38.61	-	43.71	43.63
			High	40.37	40.51	41.05	42.37	-	-
	5710	142	Low	40.68	40.86	40.72	41.63	-	-
			Mid	38.08	38.40	38.37	-	43.72	43.75
			High	40.39	40.80	40.89	42.38	-	-
UNII 3	5755	151	Low	40.32	40.97	40.91	41.67	-	-
			Mid	38.10	38.17	38.48	-	43.52	43.56
			High	40.32	40.73	40.41	42.20	-	-
	5795	159	Low	40.47	40.80	40.92	41.64	-	-
			Mid	38.08	38.28	38.81	-	43.60	43.55
			High	40.39	40.65	41.19	42.18	-	-

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	81.61	82.87	82.37	84.88	85.16	-	-
			Mid	78.24	78.49	79.03	82.92	-	89.68	90.08
			High	80.86	81.91	81.90	84.26	84.76	-	-
UNII 2A	5290	58	Low	81.72	83.12	82.06	85.04	84.68	-	-
			Mid	77.96	78.40	78.67	82.32	-	88.06	88.51
			High	80.99	82.83	82.68	83.90	84.56	-	-
UNII 2C	5530	106	Low	81.78	82.52	82.95	83.80	85.48	-	-
			Mid	78.45	78.56	79.13	82.32	-	91.11	89.48
			High	81.66	82.80	82.07	84.31	84.43	-	-
	5610	122	Low	81.82	83.55	82.62	84.95	85.01	-	-
			Mid	78.25	78.47	78.83	82.53	-	88.20	88.12
			High	82.26	82.88	82.21	84.24	84.67	-	-
	5690	138	Low	81.63	83.60	82.61	84.45	84.89	-	-
			Mid	78.19	78.36	79.45	82.52	-	89.99	89.69
			High	81.63	82.77	81.89	84.32	84.38	-	-
UNII 3	5775	155	Low	82.00	83.76	82.56	85.94	84.86	-	-
			Mid	78.17	78.48	79.43	82.62	-	89.81	88.84
			High	80.81	81.86	81.99	85.16	84.69	-	-

802.11ax(HE160)

HE160_80L	Frequency [MHz]	Channel No.	RU Index	26dB BW (MHz)						
				26 T	52 T	106 T	242 T	484 T	996 T	SU
UNII 1&2A	5250	50	Low	162.6	163.3	164.5	165.5	168.9	-	-
			Mid	158.7	158.1	159.2	161.7	-	170.7	-
			High	156.6	158.0	159.8	162.4	165.5	-	-
UNII 2C	5570	114	Low	164.3	163.6	163.8	165.0	167.3	-	-
			Mid	158.7	158.2	159.4	162.5	-	169.8	-
			High	157.0	158.2	159.7	161.2	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	158.4	158.5	159.5	163.1	164.9	-	-
			Mid	158.7	158.4	159.6	161.9	-	168.4	-
			High	162.6	163.8	163.6	168.2	168.5	-	-
UNII 2C	5570	114	Low	158.6	158.3	159.5	162.5	163.5	-	-
			Mid	158.4	158.4	159.6	162.2	-	166.0	-
			High	161.8	164.2	164.0	165.4	167.9	-	-

HE160_SU	Frequency [MHz]	Channel No.	26dB BW (MHz)
			SU
UNII 1&2A	5250	50	303.7
UNII 2C	5570	114	165.2

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	18.541	18.349	18.376	-	-
			Mid	17.212	17.200	-	19.149	19.154
			High	18.638	18.274	18.332	-	-
	5200	40	Low	18.517	18.368	18.350	-	-
			Mid	17.324	17.251	-	19.149	19.160
			High	18.552	18.287	18.350	-	-
	5240	48	Low	18.511	18.348	18.320	-	-
			Mid	17.286	17.156	-	19.151	19.144
			High	18.456	18.254	18.259	-	-
UNII 2A	5260	52	Low	18.504	18.448	18.364	-	-
			Mid	17.128	17.254	-	19.171	19.153
			High	18.611	18.250	18.319	-	-
	5280	56	Low	18.587	18.336	18.287	-	-
			Mid	17.249	17.255	-	19.164	19.157
			High	18.538	18.296	18.107	-	-
	5320	64	Low	18.520	18.297	18.315	-	-
			Mid	17.256	17.155	-	19.157	19.161
			High	18.331	18.202	18.337	-	-
UNII 2C	5500	100	Low	18.527	18.169	18.335	-	-
			Mid	17.315	16.968	-	19.165	19.162
			High	18.591	18.275	18.359	-	-
	5600	120	Low	18.392	18.398	18.221	-	-
			Mid	17.204	17.107	-	19.158	19.163
			High	18.596	18.274	18.336	-	-
	5720	144	Low	18.487	18.318	18.324	-	-
			Mid	17.291	17.236	-	19.158	19.157
			High	18.606	18.256	18.273	-	-
UNII 3	5745	149	Low	18.522	18.285	18.299	-	-
			Mid	17.294	17.290	-	19.175	19.149
			High	18.624	18.187	18.262	-	-
	5785	157	Low	18.544	18.341	18.323	-	-
			Mid	17.212	17.273	-	19.163	19.167
			High	18.502	18.263	18.327	-	-
	5825	165	Low	18.519	18.396	18.340	-	-
			Mid	17.276	17.245	-	19.165	19.174
			High	18.633	18.220	18.348	-	-

802.11ax(HE40)

HE40	Frequency [MHz]	Channel No.	RU Index	99% BANDWIDTH(MHz)					
				26 T	52 T	106 T	242 T	484 T	SU
UNII 1	5190	38	Low	38.214	37.706	37.509	37.453	-	-
			Mid	36.369	36.394	36.562	-	38.055	38.117
			High	38.106	37.682	37.432	37.668	-	-
	5230	46	Low	38.188	37.429	37.551	37.471	-	-
			Mid	35.899	36.336	36.502	-	38.052	38.035
			High	38.150	37.796	37.607	37.614	-	-
UNII 2A	5270	54	Low	37.998	37.827	37.528	37.466	-	-
			Mid	36.303	36.378	36.502	-	38.066	38.046
			High	38.227	37.639	37.653	37.618	-	-
	5310	62	Low	38.038	37.790	37.444	37.486	-	-
			Mid	36.434	35.900	36.554	-	38.042	38.045
			High	38.121	37.683	37.592	37.624	-	-
UNII 2C	5510	102	Low	38.170	37.739	37.568	37.488	-	-
			Mid	36.223	36.407	36.504	-	38.056	38.078
			High	38.207	37.748	37.555	37.611	-	-
	5590	118	Low	38.110	37.646	37.524	37.500	-	-
			Mid	36.216	36.188	36.520	-	38.058	38.059
			High	38.111	37.620	37.560	37.641	-	-
	5710	142	Low	38.124	37.801	37.507	37.510	-	-
			Mid	36.363	36.362	36.494	-	38.048	38.075
			High	38.200	37.777	37.458	37.622	-	-
UNII 3	5755	151	Low	38.084	37.815	37.542	37.459	-	-
			Mid	36.286	36.190	36.345	-	38.059	38.069
			High	38.141	37.576	37.445	37.583	-	-
	5795	159	Low	37.927	37.767	37.535	37.490	-	-
			Mid	36.367	36.294	36.470	-	38.066	38.064
			High	38.156	37.682	37.655	37.631	-	-

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	78.589	78.023	77.584	77.496	77.102	-	-
			Mid	75.128	75.021	75.389	75.760	-	77.900	77.997
			High	78.390	77.812	77.129	77.072	77.029	-	-
UNII 2A	5290	58	Low	78.454	78.167	77.472	77.499	77.148	-	-
			Mid	75.336	74.963	75.491	75.905	-	77.771	77.756
			High	78.425	77.757	77.350	77.134	77.069	-	-
UNII 2C	5530	106	Low	78.801	78.303	77.984	77.285	77.154	-	-
			Mid	75.418	75.032	75.541	75.799	-	78.003	77.837
			High	78.443	77.800	77.323	77.078	76.956	-	-
	5610	122	Low	78.813	78.089	78.073	77.547	77.107	-	-
			Mid	74.967	74.947	75.327	75.889	-	77.758	77.779
			High	78.494	77.950	77.405	77.097	77.064	-	-
	5690	138	Low	78.600	78.385	77.865	77.373	77.113	-	-
			Mid	75.117	74.747	75.573	75.819	-	77.883	77.823
			High	78.464	77.892	77.332	77.138	77.032	-	-
UNII 3	5775	155	Low	78.921	78.352	77.957	77.530	77.058	-	-
			Mid	74.829	75.134	75.619	75.748	-	77.778	77.778
			High	78.773	77.698	77.164	77.167	76.999	-	-

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	158.26	157.97	158.03	156.75	157.08	-	-
			Mid	153.83	152.50	154.26	154.33	-	157.03	-
			High	153.15	153.11	154.59	154.65	155.14	-	-
UNII 2C	5570	114	Low	157.91	158.24	157.64	156.53	156.37	-	-
			Mid	152.87	152.27	153.38	154.21	-	156.66	-
			High	153.06	152.52	153.34	153.94	154.37	-	-

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	154.39	153.02	154.30	155.10	155.15	-	-
			Mid	154.03	153.86	154.84	154.74	-	157.11	-
			High	159.28	159.27	157.98	157.73	157.40	-	-
UNII 2C	5570	114	Low	153.53	152.85	153.63	153.75	154.55	-	-
			Mid	153.24	153.10	153.71	154.16	-	156.63	-
			High	158.24	158.22	157.31	156.90	156.59	-	-

HE160_SU	Frequency [MHz]	Channel No.	99% BANDWIDTH (MHz)
			SU
UNII 1&2A	5250	50	156.93
UNII 2C	5570	114	156.39

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	2.110	15.88	17.18	-	-
			Mid	2.708	15.09	-	19.08	19.08
			High	2.140	17.07	17.17	-	-
	5785	157	Low	2.145	15.88	17.71	-	-
			Mid	2.686	15.07	-	19.10	19.08
			High	2.126	17.04	17.17	-	-
	5825	165	Low	2.099	17.11	17.73	-	-
			Mid	2.673	15.10	-	19.07	19.05
			High	2.147	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	2.164	4.211	36.59	37.77	-	-
			Mid	2.161	4.166	35.11	-	38.33	38.32
			High	2.182	4.204	36.60	37.45	-	-
	5795	159	Low	2.148	4.195	36.60	37.73	-	-
			Mid	2.167	4.152	35.10	-	38.33	38.31
			High	2.173	4.214	36.63	37.42	-	-

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	2.259	4.346	8.430	76.83	76.99	-	-
			Mid	2.796	4.311	8.426	75.27	-	78.08	78.09
			High	2.270	4.288	8.472	76.87	77.05	-	-

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	2.152	17.02	17.18	-	-
			Mid	2.666	15.14	-	19.11	19.10
			High	2.124	17.08	17.16	-	-
	5785	157	Low	2.151	17.11	18.12	-	-
			Mid	2.698	15.09	-	19.10	19.10
			High	2.115	17.06	17.17	-	-
	5825	165	Low	2.177	17.12	18.12	-	-
			Mid	2.685	15.12	-	19.10	19.11
			High	2.121	17.07	17.17	-	-

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	2.142	4.210	36.62	36.75	-	-
			Mid	2.145	4.175	35.10	-	38.25	38.20
			High	2.162	4.208	36.58	36.90	-	-
	5795	159	Low	2.125	4.226	36.62	37.68	-	-
			Mid	2.182	4.188	35.10	-	38.26	38.33
			High	2.154	4.154	36.65	36.95	-	-

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	2.218	4.259	8.468	76.68	77.80	-	-
			Mid	2.845	4.321	8.444	75.18	-	78.22	78.22
			High	2.273	4.310	8.467	76.81	76.91	-	-

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 Ant1

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	7.89	10.98	11.05	-	-
				Mid	7.49	10.81	-	11.09	11.09
				High	7.91	10.99	11.06	-	-
		5200	40	Low	7.93	10.98	12.30	-	-
				Mid	7.54	10.86	-	15.30	15.29
				High	7.94	10.98	12.29	-	-
		5240	48	Low	7.97	10.99	12.41	-	-
				Mid	7.69	10.90	-	15.31	15.30
				High	7.98	10.98	12.38	-	-
	UNII 2a	5260	52	Low	10.48	11.60	11.63	-	-
				Mid	10.01	11.38	-	14.61	14.60
				High	10.39	11.52	11.55	-	-
		5280	56	Low	10.44	11.55	11.57	-	-
				Mid	9.95	11.33	-	14.55	14.57
				High	10.30	11.47	11.52	-	-
		5320	64	Low	10.29	10.17	10.22	-	-
				Mid	9.85	9.96	-	10.16	10.17
				High	10.19	10.04	10.13	-	-
	UNII 2c	5500	100	Low	11.84	12.49	12.48	-	-
				Mid	11.38	12.29	-	11.74	11.74
				High	11.70	12.40	12.46	-	-
		5600	120	Low	9.90	11.36	11.40	-	-
				Mid	9.46	11.15	-	14.09	14.08
				High	9.84	11.30	11.31	-	-
		5720	144	Low	10.01	11.36	11.37	-	-
				Mid	9.55	11.14	-	14.16	14.18
				High	9.92	11.27	11.28	-	-
	UNII 3	5745	149	Low	10.06	11.50	11.49	-	-
				Mid	9.69	11.32	-	14.36	14.39
				High	10.08	11.51	11.53	-	-
		5785	157	Low	9.80	11.06	11.06	-	-
				Mid	9.32	10.82	-	13.87	13.87
				High	9.68	10.95	10.99	-	-
		5825	165	Low	9.75	9.61	9.65	-	-
				Mid	9.35	9.41	-	9.69	9.71
				High	9.77	9.67	9.67	-	-

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	7.85	11.11	11.17	11.09	-	-
				Mid	7.64	10.98	11.04	-	11.19	11.22
				High	7.86	11.14	11.18	11.10	-	-
		5230	46	Low	7.96	11.12	12.42	15.31	-	-
				Mid	7.82	11.02	12.35	-	15.41	15.43
				High	7.99	11.19	12.44	15.31	-	-
	UNII 2a	5270	54	Low	10.42	11.74	11.77	14.65	-	-
				Mid	10.12	11.49	11.57	-	14.70	14.75
				High	10.28	11.62	11.63	14.56	-	-
		5310	62	Low	10.31	10.37	10.40	10.26	-	-
				Mid	10.00	10.06	10.19	-	10.31	10.33
				High	10.06	10.18	10.21	10.16	-	-
	UNII 2c	5510	102	Low	11.81	12.65	12.70	11.78	-	-
				Mid	11.43	12.32	12.48	-	11.78	11.81
				High	11.49	12.38	12.42	11.59	-	-
		5590	118	Low	9.95	11.57	11.60	14.17	-	-
				Mid	9.65	11.29	11.41	-	14.20	14.24
				High	9.75	11.38	11.42	14.07	-	-
		5710	142	Low	10.05	11.48	11.51	14.21	-	-
				Mid	9.78	11.24	11.34	-	14.27	14.32
				High	9.92	11.33	11.36	14.12	-	-
	UNII 3	5755	151	Low	10.06	11.53	11.58	14.34	-	-
				Mid	9.87	11.41	11.49	-	14.45	14.48
				High	10.01	11.57	11.60	14.35	-	-
		5795	159	Low	9.70	9.72	9.76	9.63	-	-
				Mid	9.38	9.44	9.55	-	9.68	9.71
				High	9.51	9.57	9.57	9.52	-	-

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	8.03	11.13	11.13	11.15	11.14	-	-
				Mid	7.87	11.08	11.08	11.10	-	11.18	11.22
				High	8.11	11.24	11.23	11.26	11.21	-	-
	UNII 2A	5290	58	Low	10.61	10.63	10.55	10.57	10.54	-	-
				Mid	10.31	10.33	10.30	10.44	-	10.46	10.50
				High	10.24	10.27	10.24	10.33	10.35	-	-
	UNII 2C	5530	106	Low	10.68	10.70	10.65	10.64	10.51	-	-
				Mid	10.23	10.25	10.25	10.39	-	10.42	10.46
				High	10.22	10.23	10.26	10.31	10.31	-	-
		5610	122	Low	10.07	11.65	11.64	14.32	14.26	-	-
				Mid	9.74	11.37	11.35	14.17	-	12.38	12.42
				High	9.82	11.41	11.41	14.13	14.13	-	-
		5690	138	Low	9.98	11.45	11.46	14.30	14.32	-	-
				Mid	9.96	11.50	11.48	14.30	-	12.42	12.47
				High	10.05	11.54	11.54	14.38	14.29	-	-
	UNII 3	5775	155	Low	9.86	9.90	9.91	9.93	9.83	-	-
				Mid	9.69	9.74	9.73	9.86	-	9.82	9.87
				High	9.67	9.69	9.68	9.72	9.70	-	-

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	-0.99	-1.05	-1.32	-1.27	-1.30	-	-
				Mid	-1.34	-1.39	-1.61	-1.45	-	-1.48	-
				High	-1.58	-1.58	-1.79	-1.72	-1.66	-	-
	UNII 2C	5570	114	Low	10.66	12.03	12.06	12.05	11.89	-	-
				Mid	10.12	11.53	11.50	11.74	-	12.36	-
				High	9.86	11.29	11.29	11.35	11.45	-	-

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	-1.67	-1.65	-1.90	-1.91	-1.84	-	-
				Mid	-1.71	-1.70	-1.93	-1.93	-	-1.87	-
				High	-1.66	-1.67	-1.80	-1.91	-1.92	-	-
	UNII 2C	5570	114	Low	9.87	11.27	11.23	11.22	11.22	-	-
				Mid	9.80	11.27	11.48	11.20	-	11.96	-
				High	9.93	11.37	11.31	11.33	11.29	-	-

HE160_SU		Frequency [MHz]	Channel No.	Max. Average Power (dBm)
				SU
Max Output Power (dBm)	UNII 1&2A	5250	50	-2.32
	UNII 2C	5570	114	11.78

10.4.2 SISO Ant2

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	6.98	10.25	10.31	-	-
				Mid	6.60	10.05	-	10.28	10.30
				High	7.00	10.26	10.32	-	-
		5200	40	Low	7.03	10.24	11.12	-	-
				Mid	6.64	10.05	-	14.37	14.38
				High	7.03	10.25	11.11	-	-
		5240	48	Low	7.10	10.10	11.50	-	-
				Mid	6.68	9.92	-	14.21	14.22
				High	7.05	10.06	11.46	-	-
	UNII 2a	5260	52	Low	10.90	11.95	11.95	-	-
				Mid	10.43	11.73	-	14.94	14.97
				High	10.81	11.87	11.88	-	-
		5280	56	Low	10.78	11.85	11.85	-	-
				Mid	10.38	11.62	-	14.86	14.88
				High	10.76	11.79	11.80	-	-
		5320	64	Low	10.03	9.88	9.88	-	-
				Mid	9.58	9.67	-	9.92	9.95
				High	9.90	9.81	9.83	-	-
	UNII 2c	5500	100	Low	10.38	11.60	11.58	-	-
				Mid	9.97	11.40	-	10.29	10.30
				High	10.31	11.57	11.55	-	-
		5600	120	Low	9.62	10.63	10.63	-	-
				Mid	9.20	10.43	-	13.67	13.68
				High	9.57	10.58	10.61	-	-
		5720	144	Low	9.20	9.82	9.83	-	-
				Mid	8.71	9.56	-	13.22	13.22
				High	9.05	9.69	9.77	-	-
	UNII 3	5745	149	Low	9.10	10.43	10.48	-	-
				Mid	8.68	10.22	-	13.28	13.28
				High	9.07	10.42	10.46	-	-
		5785	157	Low	8.96	9.71	9.71	-	-
				Mid	8.52	9.52	-	12.96	12.96
				High	8.89	9.65	9.68	-	-
		5825	165	Low	9.90	9.77	9.83	-	-
				Mid	9.52	9.60	-	9.87	9.86
				High	9.95	9.85	9.85	-	-

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	6.95	10.31	10.36	10.27	-	-
				Mid	6.73	10.18	10.24	-	10.36	10.32
				High	6.95	10.37	10.39	10.28	-	-
		5230	46	Low	6.99	10.16	11.51	14.18	-	-
				Mid	6.86	10.08	11.41	-	14.27	14.21
				High	6.98	10.21	11.50	14.18	-	-
	UNII 2a	5270	54	Low	10.83	11.97	11.96	14.93	-	-
				Mid	10.55	11.81	11.87	-	14.99	14.96
				High	10.70	11.94	11.95	14.86	-	-
		5310	62	Low	10.02	10.07	10.10	9.99	-	-
				Mid	9.71	9.83	9.91	-	10.04	9.99
				High	9.83	9.91	9.96	9.92	-	-
	UNII 2c	5510	102	Low	10.30	11.66	11.70	10.30	-	-
				Mid	9.99	11.41	11.52	-	10.32	10.27
				High	10.12	11.51	11.55	10.18	-	-
		5590	118	Low	9.59	10.77	10.80	13.68	-	-
				Mid	9.36	10.57	10.64	-	13.77	13.71
				High	9.52	10.70	10.73	13.64	-	-
		5710	142	Low	9.19	9.94	10.02	13.25	-	-
				Mid	8.97	9.76	9.87	-	13.23	13.28
				High	9.07	9.86	9.92	13.20	-	-
	UNII 3	5755	151	Low	9.09	10.54	10.61	13.25	-	-
				Mid	8.83	10.33	10.47	-	13.24	13.28
				High	8.98	10.47	10.52	13.20	-	-
		5795	159	Low	8.86	8.91	8.96	8.88	-	-
				Mid	8.62	8.73	8.79	-	8.86	8.91
				High	8.81	8.88	8.92	8.84	-	-

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	6.81	9.92	9.92	9.93	9.96	-	-
				Mid	6.70	9.85	9.87	9.89	-	10.02	10.05
				High	6.88	10.01	10.00	10.04	10.01	-	-
	UNII 2A	5290	58	Low	10.71	10.72	10.76	10.72	10.67	-	-
				Mid	10.53	10.49	10.49	10.60	-	10.64	10.69
				High	10.43	10.47	10.49	10.54	10.54	-	-
	UNII 2C	5530	106	Low	9.10	9.09	9.10	9.13	9.03	-	-
				Mid	8.81	8.81	8.84	8.92	-	9.00	9.04
				High	8.83	8.87	8.86	8.89	8.91	-	-
		5610	122	Low	9.39	10.41	10.47	13.49	13.47	-	-
				Mid	9.18	10.27	10.27	13.42	-	11.44	11.50
				High	9.23	10.31	10.30	13.38	13.39	-	-
		5690	138	Low	8.93	9.67	9.69	13.05	13.08	-	-
				Mid	8.96	9.75	9.73	13.08	-	10.94	11.00
				High	9.09	9.84	9.84	13.21	13.17	-	-
	UNII 3	5775	155	Low	8.98	8.98	8.96	8.98	8.89	-	-
				Mid	8.70	8.73	8.76	8.88	-	8.87	8.96
				High	8.76	8.80	8.80	8.83	8.81	-	-

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	1.38	1.35	1.15	1.18	1.10	-	-
				Mid	0.94	1.01	0.81	0.91	-	0.89	-
				High	0.77	0.76	0.58	0.66	0.72	-	-
	UNII 2C	5570	114	Low	9.84	10.79	10.78	10.82	10.73	-	-
				Mid	9.58	10.53	10.53	10.62	-	11.51	-
				High	9.39	10.37	10.34	10.36	10.46	-	-

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	0.75	0.70	0.50	0.51	0.48	-	-
				Mid	0.62	0.59	0.45	0.49	-	0.45	-
				High	0.63	0.63	-0.22	0.52	0.50	-	-
	UNII 2C	5570	114	Low	9.34	10.27	10.34	10.31	10.32	-	-
				Mid	9.44	10.42	10.26	10.34	-	11.34	-
				High	9.56	10.55	10.52	10.51	10.43	-	-

HE160_SU		Frequency [MHz]	Channel No.	Max. Average Power (dBm)
				SU
Max Output Power (dBm)	UNII 1&2A	5250	50	-0.05
	UNII 2C	5570	114	10.91

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	10.47	13.64	13.70	-	-
				Mid	10.08	13.46	-	13.71	13.72
				High	10.49	13.65	13.71	-	-
		5200	40	Low	10.51	13.63	14.76	-	-
				Mid	10.12	13.49	-	17.87	17.87
				High	10.52	13.64	14.75	-	-
		5240	48	Low	10.56	13.58	14.99	-	-
				Mid	10.23	13.45	-	17.80	17.80
				High	10.55	13.55	14.95	-	-
	UNII 2A	5260	52	Low	13.71	14.79	14.80	-	-
				Mid	13.24	14.56	-	17.79	17.80
				High	13.62	14.71	14.73	-	-
		5280	56	Low	13.62	14.71	14.73	-	-
				Mid	13.18	14.49	-	17.72	17.74
				High	13.55	14.64	14.68	-	-
		5320	64	Low	13.17	13.04	13.06	-	-
				Mid	12.72	12.83	-	13.05	13.07
				High	13.06	12.93	13.00	-	-
	UNII 2C	5500	100	Low	14.18	15.08	15.07	-	-
				Mid	13.74	14.88	-	14.09	14.09
				High	14.07	15.01	15.04	-	-
		5600	120	Low	12.77	14.02	14.04	-	-
				Mid	12.34	13.82	-	16.89	16.89
				High	12.72	13.96	13.98	-	-
		5720	144	Low	12.64	13.67	13.68	-	-
				Mid	12.16	13.43	-	16.72	16.74
				High	12.51	13.56	13.60	-	-
	UNII 3	5745	149	Low	12.62	14.01	14.03	-	-
				Mid	12.22	13.81	-	16.86	16.88
				High	12.61	14.01	14.04	-	-
		5785	157	Low	12.41	13.45	13.45	-	-
				Mid	11.95	13.23	-	16.45	16.45
				High	12.31	13.36	13.40	-	-
		5825	165	Low	12.84	12.70	12.75	-	-
				Mid	12.45	12.52	-	12.79	12.80
				High	12.88	12.77	12.77	-	-

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	10.43	13.74	13.79	13.71	-	-
				Mid	10.22	13.61	13.67	-	13.80	13.80
				High	10.44	13.78	13.81	13.72	-	-
		5230	46	Low	10.51	13.68	15.00	17.79	-	-
				Mid	10.38	13.58	14.91	-	17.89	17.87
				High	10.52	13.74	15.01	17.79	-	-
	UNII 2A	5270	54	Low	13.64	14.87	14.88	17.80	-	-
				Mid	13.35	14.66	14.74	-	17.86	17.86
				High	13.51	14.80	14.80	17.72	-	-
		5310	62	Low	13.18	13.23	13.26	13.14	-	-
				Mid	12.87	12.96	13.07	-	13.19	13.18
				High	12.96	13.06	13.10	13.05	-	-
	UNII 2C	5510	102	Low	14.13	15.19	15.24	14.11	-	-
				Mid	13.78	14.90	15.04	-	14.12	14.12
				High	13.87	14.97	15.01	13.96	-	-
		5590	118	Low	12.78	14.20	14.23	16.94	-	-
				Mid	12.52	13.95	14.05	-	17.00	16.99
				High	12.64	14.06	14.10	16.87	-	-
		5710	142	Low	12.65	13.79	13.84	16.77	-	-
				Mid	12.40	13.57	13.67	-	16.79	16.84
				High	12.53	13.66	13.71	16.69	-	-
	UNII 3	5755	151	Low	12.61	14.08	14.13	16.84	-	-
				Mid	12.39	13.92	14.02	-	16.90	16.93
				High	12.54	14.07	14.11	16.82	-	-
		5795	159	Low	12.31	12.35	12.39	12.28	-	-
				Mid	12.03	12.11	12.19	-	12.30	12.34
				High	12.18	12.25	12.27	12.21	-	-

HE80		Frequency [MHz]	Channel No.	RU Index	SUM Power (dBm)						
					26 T	52 T	106 T	242 T	484 T	996 T	SU
Max Output Power (dBm)	UNII 1	5210	42	Low	10.47	13.57	13.58	13.59	13.60	-	-
				Mid	10.33	13.52	13.53	13.55	-	13.65	13.68
				High	10.55	13.68	13.67	13.70	13.66	-	-
	UNII 2A	5290	58	Low	13.67	13.69	13.67	13.66	13.62	-	-
				Mid	13.43	13.42	13.41	13.53	-	13.56	13.60
				High	13.35	13.38	13.38	13.44	13.46	-	-
	UNII 2C	5530	106	Low	12.97	12.98	12.96	12.96	12.85	-	-
				Mid	12.59	12.60	12.61	12.73	-	12.77	12.82
				High	12.59	12.61	12.63	12.67	12.67	-	-
		5610	122	Low	12.75	14.08	14.10	16.94	16.90	-	-
				Mid	12.48	13.87	13.85	16.82	-	14.95	14.99
				High	12.55	13.91	13.90	16.78	16.79	-	-
		5690	138	Low	12.50	13.66	13.67	16.73	16.75	-	-
				Mid	12.50	13.72	13.71	16.74	-	14.75	14.81
				High	12.60	13.78	13.78	16.84	16.78	-	-
	UNII 3	5775	155	Low	12.45	12.47	12.47	12.49	12.40	-	-
				Mid	12.23	12.28	12.28	12.41	-	12.38	12.45
				High	12.25	12.28	12.27	12.31	12.29	-	-

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	3.37	3.32	3.10	3.14	3.07	-	-
				Mid	2.96	2.98	2.78	2.90	-	2.87	-
				High	2.76	2.76	2.57	2.64	2.70	-	-
	UNII 2C	5570	114	Low	13.28	14.47	14.48	14.49	14.36	-	-
				Mid	12.87	14.07	14.06	14.23	-	14.97	-
				High	12.64	13.87	13.85	13.89	13.99	-	-

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	2.72	2.69	2.48	2.48	2.49	-	-
				Mid	2.62	2.61	2.44	2.46	-	2.46	-
				High	2.64	2.64	2.07	2.48	2.47	-	-
	UNII 2C	5570	114	Low	12.63	13.81	13.82	13.79	13.80	-	-
				Mid	12.64	13.88	13.92	13.80	-	14.67	-
				High	12.76	13.99	13.94	13.95	13.89	-	-

HE160_SU		Frequency [MHz]	Channel No.	SUM Power (dBm)
				SU
Max Output Power (dBm)	UNII 1&2A	5250	50	1.98
	UNII 2C	5570	114	14.38

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 Ant1

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	4.906	5.076	2.219	-	-
				Mid	3.325	4.863	-	-1.226	-1.271
				High	4.951	5.184	2.198	-	-
		5200	40	Low	5.010	5.181	3.276	-	-
				Mid	3.404	4.929	-	3.090	2.917
				High	5.077	5.134	3.337	-	-
		5240	48	Low	5.001	5.115	3.618	-	-
				Mid	3.646	5.151	-	3.061	3.029
				High	5.037	5.179	3.495	-	-
	UNII 2A	5260	52	Low	7.474	5.823	2.694	-	-
				Mid	5.955	5.660	-	2.344	2.309
				High	7.509	5.706	2.908	-	-
		5280	56	Low	7.610	5.549	2.706	-	-
				Mid	6.028	5.413	-	2.229	2.266
				High	7.586	5.625	2.795	-	-
		5320	64	Low	7.373	4.527	1.377	-	-
				Mid	6.080	4.143	-	-2.109	-2.190
				High	7.260	4.279	1.395	-	-
	UNII 2C	5500	100	Low	8.733	6.695	3.769	-	-
				Mid	7.271	6.539	-	-0.572	-0.808
				High	8.669	6.753	3.592	-	-
		5600	120	Low	7.025	5.490	2.766	-	-
				Mid	5.722	5.238	-	1.879	1.799
				High	7.027	5.596	2.402	-	-
		5720	144	Low	7.259	5.644	2.562	-	-
				Mid	5.985	5.420	-	2.173	2.172
				High	7.130	5.509	2.503	-	-
	UNII 3	5745	149	Low	4.573	3.041	0.036	-	-
				Mid	3.734	2.622	-	-0.523	-0.431
				High	4.586	3.035	-0.021	-	-
		5785	157	Low	4.094	2.540	-0.455	-	-
				Mid	3.508	2.279	-	-1.043	-0.918
				High	3.990	2.368	-0.629	-	-
		5825	165	Low	3.943	1.015	-1.650	-	-
				Mid	3.516	1.197	-	-5.151	-5.166
				High	4.029	1.045	-1.880	-	-

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	4.679	5.163	2.207	-1.462	-	-
				Mid	4.516	5.020	2.161	-	-4.223	-4.162
				High	4.880	5.218	2.123	-1.341	-	-
		5230	46	Low	4.925	5.235	3.300	2.791	-	-
				Mid	4.550	5.168	3.316	-	0.219	0.206
				High	4.814	5.212	3.641	3.009	-	-
	UNII 2A	5270	54	Low	7.391	5.799	2.873	2.113	-	-
				Mid	6.929	5.561	2.508	-	-0.715	-0.676
				High	7.043	5.816	2.720	2.124	-	-
		5310	62	Low	7.069	4.303	1.445	-2.121	-	-
				Mid	6.756	4.210	1.196	-	-4.826	-4.954
				High	6.836	4.202	1.200	-2.197	-	-
	UNII 2C	5510	102	Low	8.627	6.778	3.761	-0.750	-	-
				Mid	7.873	6.345	3.541	-	-3.685	-3.514
				High	8.035	6.577	3.403	-1.218	-	-
		5590	118	Low	6.735	5.582	2.713	1.830	-	-
				Mid	6.441	5.319	2.319	-	-1.082	-1.081
				High	6.815	5.460	2.414	1.716	-	-
		5710	142	Low	6.923	5.680	2.423	1.887	-	-
				Mid	7.068	5.444	2.470	-	-0.701	-0.833
				High	6.982	5.755	2.475	1.907	-	-
	UNII 3	5755	151	Low	4.395	2.813	-0.109	-0.559	-	-
				Mid	4.326	2.554	-0.214	-	-3.452	-3.423
				High	4.354	2.908	-0.134	-0.663	-	-
		5795	159	Low	4.279	1.338	-1.912	-5.454	-	-
				Mid	4.098	0.916	-2.272	-	-8.121	-8.231
				High	3.906	0.937	-2.182	-5.636	-	-

HE80		Frequency [MHz]	Channel No.	RU Index	Max. Power Spectral Density (dBm)						
					26 T	52 T	106 T	242 T	484 T	996 T	SU
Max Output PSD (dBm)	UNII 1	5210	42	Low	5.047	5.514	2.408	-1.040	-3.837	-	-
				Mid	4.219	5.469	2.593	-1.131	-	-6.777	-6.649
				High	4.993	5.550	2.594	-0.841	-3.776	-	-
	UNII 2A	5290	58	Low	7.466	4.868	1.958	-1.602	-4.690	-	-
				Mid	6.271	4.733	1.736	-1.869	-	-7.443	-7.585
				High	7.196	4.675	1.659	-1.834	-4.957	-	-
	UNII 2C	5530	106	Low	7.796	5.058	1.975	-1.679	-4.657	-	-
				Mid	6.386	4.766	1.722	-1.710	-	-7.385	-7.503
				High	7.351	4.555	1.615	-1.817	-4.829	-	-
		5610	122	Low	6.816	5.878	2.868	2.194	-0.832	-	-
				Mid	5.588	5.653	2.685	1.801	-	-5.639	-5.515
				High	7.227	5.896	2.776	1.755	-1.052	-	-
		5690	138	Low	6.584	5.930	2.780	1.808	-1.097	-	-
				Mid	5.697	5.605	2.586	1.882	-	-5.750	-5.760
				High	7.060	5.718	2.792	1.963	-0.784	-	-
	UNII 3	5775	155	Low	3.821	1.311	-1.792	-5.705	-8.181	-	-
				Mid	3.916	1.168	-1.849	-5.388	-	-11.014	-10.925
				High	4.198	1.009	-1.733	-5.295	-8.254	-	-

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	-3.894	-7.071	-10.112	-13.542	-16.588	-	-
				Mid	-5.737	-7.175	-10.446	-13.710	-	-19.895	-
				High	-4.745	-7.412	-10.892	-14.165	-16.934	-	-
	UNII 2C	5570	114	Low	7.576	6.140	3.298	-0.301	-3.413	-	-
				Mid	6.244	5.718	2.759	-0.430	-	-5.866	-
				High	6.801	5.606	2.463	-0.939	-3.844	-	-

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	-5.039	-7.689	-10.996	-14.489	-17.495	-	-
				Mid	-6.388	-7.986	-10.979	-14.522	-	-20.708	-
				High	-5.329	-7.937	-10.825	-14.799	-17.697	-	-
	UNII 2C	5570	114	Low	6.722	5.457	2.534	-1.096	-3.919	-	-
				Mid	5.698	5.415	2.249	-1.022	-	-6.509	-
				High	7.105	5.751	2.552	-1.049	-4.030	-	-

HE160_SU		Frequency [MHz]	Channel No.	Max. Power Spectral Density (dBm)
				SU
Max Output PSD (dBm)	UNII 1&2A	5250	50	-23.131
	UNII 2C	5570	114	-8.993

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

Limit(UNII 3) : 30.0 dBm/500 kHz

10.5.2 SISO Ant2

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	4.064	4.190	1.164	-	-
				Mid	2.374	4.030	-	-2.150	-2.262
				High	3.670	4.287	1.080	-	-
		5200	40	Low	3.656	4.004	1.920	-	-
				Mid	2.392	3.840	-	1.657	1.856
				High	3.666	4.460	1.931	-	-
		5240	48	Low	3.956	4.117	2.333	-	-
				Mid	2.714	3.878	-	1.838	1.753
				High	3.867	4.104	2.392	-	-
	UNII 2A	5260	52	Low	7.754	6.082	2.967	-	-
				Mid	6.159	5.662	-	2.636	2.387
				High	7.692	5.854	3.149	-	-
		5280	56	Low	7.562	5.714	2.691	-	-
				Mid	6.061	5.604	-	2.383	2.489
				High	7.435	5.567	2.623	-	-
		5320	64	Low	6.713	3.839	0.733	-	-
				Mid	5.348	3.660	-	-2.457	-2.554
				High	6.668	3.700	0.748	-	-
	UNII 2C	5500	100	Low	7.077	5.385	2.537	-	-
				Mid	5.603	5.065	-	-2.188	-2.274
				High	7.139	5.332	2.373	-	-
		5600	120	Low	6.665	4.567	1.702	-	-
				Mid	4.858	4.403	-	1.107	1.387
				High	6.200	4.660	1.732	-	-
		5720	144	Low	6.320	3.749	0.918	-	-
				Mid	4.903	3.641	-	1.049	0.917
				High	6.243	3.838	0.984	-	-
	UNII 3	5745	149	Low	3.463	1.864	-1.177	-	-
				Mid	3.092	1.666	-	-1.613	-1.721
				High	3.707	2.049	-0.833	-	-
		5785	157	Low	3.366	1.160	-1.695	-	-
				Mid	2.710	0.930	-	-1.920	-1.852
				High	3.247	1.085	-1.974	-	-
		5825	165	Low	4.052	1.118	-1.795	-	-
				Mid	3.160	0.704	-	-5.255	-5.246
				High	4.226	1.059	-2.050	-	-

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	3.603	4.252	1.317	-2.393	-	-
				Mid	3.480	4.226	1.176	-	-5.032	-4.994
				High	3.796	4.332	1.692	-2.243	-	-
		5230	46	Low	3.540	4.122	2.453	1.578	-	-
				Mid	3.727	4.180	2.395	-	-1.114	-1.019
				High	3.912	4.461	2.542	1.843	-	-
	UNII 2A	5270	54	Low	7.700	6.251	3.108	2.537	-	-
				Mid	7.364	5.886	2.924	-	-0.306	-0.301
				High	7.548	6.089	2.995	2.294	-	-
		5310	62	Low	6.695	4.092	1.075	-2.625	-	-
				Mid	6.551	3.982	1.092	-	-5.435	-5.291
				High	6.517	3.851	0.792	-2.724	-	-
	UNII 2C	5510	102	Low	6.974	5.636	2.626	-2.404	-	-
				Mid	6.829	5.560	2.474	-	-5.179	-5.024
				High	6.811	5.410	2.407	-2.316	-	-
		5590	118	Low	6.225	4.782	1.779	1.208	-	-
				Mid	6.144	4.602	1.546	-	-1.447	-1.440
				High	6.178	4.717	1.663	1.261	-	-
		5710	142	Low	6.123	4.017	1.089	0.702	-	-
				Mid	5.798	3.855	0.969	-	-1.965	-1.973
				High	5.949	3.830	1.060	0.687	-	-
	UNII 3	5755	151	Low	3.298	1.749	-1.137	-1.936	-	-
				Mid	3.285	1.789	-1.009	-	-4.688	-4.479
				High	3.128	2.146	-1.045	-1.837	-	-
		5795	159	Low	3.153	0.139	-2.741	-6.246	-	-
				Mid	2.775	-0.119	-2.740	-	-9.024	-8.898
				High	2.863	0.049	-2.996	-6.421	-	-

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	3.711	3.971	0.994	-3.292	-6.565	-	-
				Mid	2.487	4.022	0.698	-3.191	-	-8.605	-8.288
				High	3.985	3.900	0.907	-3.601	-6.697	-	-
	UNII 2A	5290	58	Low	7.757	4.635	1.631	-3.021	-5.960	-	-
				Mid	6.193	4.568	1.382	-3.232	-	-7.766	-7.536
				High	7.288	4.436	1.345	-3.121	-6.338	-	-
	UNII 2C	5530	106	Low	5.935	2.982	0.051	-4.131	-7.158	-	-
				Mid	4.692	2.746	-0.456	-4.068	-	-9.513	-9.193
				High	5.770	2.934	-0.224	-3.728	-7.064	-	-
		5610	122	Low	6.362	4.605	1.153	0.654	-2.158	-	-
				Mid	5.048	4.029	1.031	0.552	-	-7.056	-6.876
				High	5.779	4.353	1.220	0.581	-2.146	-	-
		5690	138	Low	5.333	3.350	0.361	0.182	-2.693	-	-
				Mid	4.173	3.319	0.371	0.358	-	-7.417	-7.426
				High	5.559	3.555	0.666	0.313	-2.607	-	-
	UNII 3	5775	155	Low	2.497	-0.278	-3.256	-6.771	-9.620	-	-
				Mid	2.147	-0.270	-3.144	-6.802	-	-12.373	-12.106
				High	2.592	-0.420	-3.379	-6.689	-9.611	-	-

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	-1.671	-4.566	-7.568	-11.084	-14.363	-	-
				Mid	-3.058	-5.000	-7.850	-11.372	-	-17.400	-
				High	-2.730	-5.364	-8.412	-11.860	-14.719	-	-
	UNII 2C	5570	114	Low	6.991	5.217	2.191	-1.269	-4.252	-	-
				Mid	5.733	4.947	1.974	-1.602	-	-6.623	-
				High	6.415	4.492	1.671	-1.817	-4.736	-	-

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	-2.703	-5.618	-8.708	-12.201	-15.196	-	-
				Mid	-3.774	-5.604	-8.960	-12.506	-	-18.583	-
				High	-3.136	-5.556	-9.207	-12.634	-15.532	-	-
	UNII 2C	5570	114	Low	6.402	4.470	1.678	-2.076	-5.070	-	-
				Mid	5.228	4.453	0.869	-1.949	-	-7.158	-
				High	6.313	4.547	1.401	-1.825	-4.847	-	-

HE160_SU		Frequency [MHz]	Channel No.	Max. Power Spectral Density (dBm)
				SU
Max Output PSD (dBm)	UNII 1&2A	5250	50	-21.059
	UNII 2C	5570	114	-9.927

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	7.515	7.665	4.734	-	-
				Mid	5.885	7.476	-	1.347	1.272
				High	7.367	7.769	4.685	-	-
		5200	40	Low	7.395	7.642	5.661	-	-
				Mid	5.937	7.428	-	5.443	5.429
				High	7.438	7.820	5.701	-	-
		5240	48	Low	7.520	7.655	6.033	-	-
				Mid	6.215	7.571	-	5.503	5.448
				High	7.501	7.685	5.989	-	-
	UNII 2A	5260	52	Low	10.626	8.964	5.843	-	-
				Mid	9.068	8.671	-	5.503	5.358
				High	10.611	8.791	6.041	-	-
		5280	56	Low	10.596	8.642	5.709	-	-
				Mid	9.054	8.519	-	5.317	5.389
				High	10.521	8.606	5.720	-	-
		5320	64	Low	10.065	7.207	4.078	-	-
				Mid	8.739	6.918	-	0.731	0.642
				High	9.984	7.009	4.094	-	-
	UNII 2C	5500	100	Low	10.994	9.099	6.207	-	-
				Mid	9.526	8.874	-	1.705	1.531
				High	10.981	9.110	6.036	-	-
		5600	120	Low	9.859	8.063	5.277	-	-
				Mid	8.321	7.850	-	4.521	4.608
				High	9.643	8.163	5.090	-	-
		5720	144	Low	9.825	7.809	4.828	-	-
				Mid	8.488	7.631	-	4.658	4.600
				High	9.719	7.763	4.820	-	-
	UNII 3	5745	149	Low	7.063	5.502	2.482	-	-
				Mid	6.435	5.180	-	1.977	1.982
				High	7.179	5.580	2.603	-	-
		5785	157	Low	6.755	4.914	1.980	-	-
				Mid	6.137	4.667	-	1.551	1.650
				High	6.644	4.784	1.761	-	-
		5825	165	Low	7.008	4.077	1.289	-	-
				Mid	6.352	3.967	-	-2.192	-2.196
				High	7.139	4.062	1.046	-	-

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	7.185	7.741	4.795	1.107	-	-
				Mid	7.039	7.651	4.706	-	-1.598	-1.548
				High	7.382	7.807	4.923	1.241	-	-
		5230	46	Low	7.298	7.724	5.907	5.237	-	-
				Mid	7.168	7.712	5.890	-	2.614	2.647
				High	7.397	7.863	6.136	5.475	-	-
	UNII 2A	5270	54	Low	10.559	9.041	6.002	5.340	-	-
				Mid	10.162	8.736	5.731	-	2.505	2.526
				High	10.313	8.965	5.870	5.220	-	-
		5310	62	Low	9.896	7.209	4.274	0.644	-	-
				Mid	9.665	7.107	4.154	-	-2.109	-2.109
				High	9.690	7.040	4.011	0.557	-	-
	UNII 2C	5510	102	Low	10.889	9.254	6.240	1.511	-	-
				Mid	10.393	8.980	6.050	-	-1.358	-1.194
				High	10.476	9.042	5.944	1.277	-	-
		5590	118	Low	9.498	8.210	5.281	4.540	-	-
				Mid	9.305	7.985	4.960	-	1.750	1.753
				High	9.518	8.114	5.065	4.504	-	-
		5710	142	Low	9.552	7.938	4.817	4.345	-	-
				Mid	9.490	7.732	4.794	-	1.723	1.644
				High	9.506	7.908	4.835	4.350	-	-
	UNII 3	5755	151	Low	6.891	5.323	2.417	1.817	-	-
				Mid	6.847	5.198	2.417	-	-1.016	-0.909
				High	6.794	5.554	2.444	1.799	-	-
		5795	159	Low	6.763	3.790	0.703	-2.822	-	-
				Mid	6.497	3.439	0.510	-	-5.539	-5.542
				High	6.426	3.526	0.440	-3.001	-	-

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	7.441	7.821	4.769	0.988	-1.980	-	-
				Mid	6.449	7.816	4.759	0.970	-	-4.585	-4.381
				High	7.529	7.814	4.843	1.004	-1.985	-	-
	UNII 2A	5290	58	Low	10.624	7.764	4.808	0.756	-2.268	-	-
				Mid	9.243	7.662	4.573	0.513	-	-4.591	-4.550
				High	10.253	7.568	4.516	0.580	-2.582	-	-
	UNII 2C	5530	106	Low	9.975	7.154	4.129	0.276	-2.719	-	-
				Mid	8.632	6.883	3.779	0.279	-	-5.309	-5.256
				High	9.643	6.830	3.803	0.342	-2.794	-	-
		5610	122	Low	9.606	8.299	5.105	4.502	1.566	-	-
				Mid	8.337	7.927	4.947	4.231	-	-3.279	-3.132
				High	9.574	8.203	5.078	4.217	1.446	-	-
		5690	138	Low	9.014	7.840	4.747	4.080	1.188	-	-
				Mid	8.012	7.621	4.629	4.196	-	-3.493	-3.503
				High	9.385	7.780	4.868	4.226	1.410	-	-
	UNII 3	5775	155	Low	6.220	3.599	0.548	-3.196	-5.831	-	-
				Mid	6.132	3.519	0.562	-3.028	-	-8.630	-8.465
				High	6.479	3.364	0.532	-2.926	-5.869	-	-

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	0.369	-2.630	-5.646	-9.132	-12.324	-	-
				Mid	-1.183	-2.943	-5.947	-9.376	-	-15.460	-
				High	-0.611	-3.258	-6.467	-9.852	-12.677	-	-
	UNII 2C	5570	114	Low	10.304	8.713	5.790	2.252	-0.802	-	-
				Mid	9.007	8.359	5.394	2.033	-	-3.218	-
				High	9.623	8.095	5.095	1.654	-1.257	-	-

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	-0.705	-3.521	-6.693	-10.186	-13.185	-	-
				Mid	-1.877	-3.624	-6.843	-10.388	-	-16.506	-
				High	-1.085	-3.575	-6.931	-10.573	-13.471	-	-
	UNII 2C	5570	114	Low	9.576	8.001	5.137	1.451	-1.446	-	-
				Mid	8.480	7.970	4.624	1.549	-	-3.811	-
				High	9.738	8.201	5.025	1.590	-1.409	-	-

HE160_SU		Frequency [MHz]	Channel No.	Max. Power Spectral Density (dBm)
				SU
Max Output PSD (dBm)	UNII 1&2A	5250	50	-18.962
	UNII 2C	5570	114	-6.425

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	16.20	4.40
				4	14.36	4.48
				7	14.32	4.28
				8	14.28	6.08
			52 T	37	16.16	4.52
				38	14.28	4.56
				39	14.68	4.72
				40	14.60	5.84
			106 T	53	16.36	5.00
				54	14.72	6.12
			242 T	61	16.12	6.20
			SU	-	16.16	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	34.20	4.12
				16	34.12	4.76
				17	34.12	6.36
			52 T	# 37	-	-
				41	34.20	4.12
				43	34.20	4.12
				44	34.20	6.60
			106 T	# 53	-	-
				# 54	-	-
				55	34.60	4.20
				56	34.60	6.44
			242 T	# 61	-	-
				62	35.80	6.12
			484 T	65	36.68	7.16
			SU	-	36.60	7.16

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	7.08
			52 T	# 37	-	-
				# 45	-	-
				51	74.52	4.84
				52	74.36	8.36
			106 T	# 53	-	-
				# 57	-	-
				59	74.68	4.68
				60	74.84	7.72
			242 T	# 61	-	-
				# 62	-	-
				63	76.28	5.96
				64	76.28	8.04
			484 T	# 65	-	-
				66	75.96	8.52
			996 T	67	77.72	9.80
			SU	-	79.16	10.12

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	15.96	4.28
				4	14.16	4.48
				7	14.08	4.28
				8	14.32	6.12
			52 T	37	16.28	4.68
				38	14.52	4.68
				39	14.32	4.72
				40	14.48	6.04
			106 T	53	16.36	5.16
				54	14.76	6.08
			242 T	61	16.16	6.24
			SU	-	16.20	6.28

802.11ax(HE40)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	26 dB BW (MHz)	
					UNII 2C	UNII 3
HE40	5710	142	26 T	# 0	-	-
				9	34.04	4.04
				16	34.20	4.84
				17	34.20	6.20
			52 T	# 37	-	-
				41	34.36	4.12
				43	34.36	4.12
				44	34.36	6.52
			106 T	# 53	-	-
				# 54	-	-
				55	34.44	4.20
				56	34.44	6.36
			242 T	# 61	-	-
				62	35.96	6.28
			484 T	65	36.76	7.00
			SU	-	36.76	7.00

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	74.04	5.48
				36	73.88	8.04
			52 T	# 37	-	-
				# 45	-	-
				51	74.68	5.16
				52	74.52	8.68
			106 T	# 53	-	-
				# 57	-	-
				59	74.52	4.52
				60	74.84	8.20
			242 T	# 61	-	-
				# 62	-	-
				63	76.44	6.12
				64	76.44	7.88
			484 T	# 65	-	-
				66	75.96	8.52
			996 T	67	77.08	9.64
			SU	-	79.64	10.12

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

10.6.2.1SISO 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	4.04
			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

10.6.2.2 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	4.04
			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	-	4.04

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	10.11	-18.15
				4	9.72	-17.58
				7	-5.96	10.02
				8	-11.65	10.20
			52 T	37	11.46	-15.91
				38	11.29	-16.85
				39	10.82	1.18
				40	-6.59	11.49
			106 T	53	11.55	-14.30
				54	8.00	9.02
			242 T	61	13.14	8.33
			SU	-	13.16	8.34

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	9.86	-21.54
				16	0.37	9.61
				17	-11.38	10.06
			52 T	# 37	-	-
				41	11.36	-20.26
				43	11.41	-5.10
				44	-0.82	11.42
			106 T	# 53	-	-
				# 54	-	-
				55	11.53	-17.14
				56	8.83	8.51
			242 T	# 61	-	-
				62	13.32	7.79
			484 T	65	13.93	4.86
			SU	-	13.97	4.93

802.11ax(HE80)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	Total Power (dBm)	
					UNII 2C	UNII 3
HE80	5690	138	26 T	# 0	-	-
				# 18	-	-
				35	2.06	9.73
				36	-11.40	10.20
			52 T	# 37	-	-
				# 45	-	-
				51	11.15	-5.11
				52	-1.07	11.44
			106 T	# 53	-	-
				# 57	-	-
				59	11.18	-19.77
				60	8.41	8.49
			242 T	# 61	-	-
				# 62	-	-
				63	14.09	-14.46
				64	13.08	7.77
			484 T	# 65	-	-
				66	13.58	4.71
			996 T	67	11.86	-0.19
			SU	-	11.86	-0.18

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	7.90	-21.08
				4	7.45	-20.88
				7	-8.09	7.72
				8	-15.56	7.92
			52 T	37	8.44	-19.80
				38	8.24	-21.07
				39	7.80	-1.86
				40	-9.56	8.47
			106 T	53	8.56	-16.25
				54	5.06	6.08
			242 T	61	10.71	5.94
			SU	-	10.64	5.86

802.11ax(HE40)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	Total Power (dBm)	
					UNII 2C	UNII 3
HE40	5710	142	26 T	# 0	-	-
				9	7.65	-24.24
				16	-1.93	7.41
				17	-13.43	7.89
			52 T	# 37	-	-
				41	8.42	-22.35
				43	8.48	-8.07
				44	-3.69	8.45
			106 T	# 53	-	-
				# 54	-	-
				55	8.50	-20.25
				56	5.80	5.55
			242 T	# 61	-	-
				62	10.87	5.36
			484 T	65	11.53	2.43
			SU	-	11.41	2.38

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	0.08	7.43
				36	-13.15	7.88
			52 T	# 37	-	-
				# 45	-	-
				51	8.03	-8.20
				52	-4.20	8.38
			106 T	# 53	-	-
				# 57	-	-
				59	8.06	-23.02
				60	5.27	5.42
			242 T	# 61	-	-
				# 62	-	-
				63	11.57	-16.45
				64	10.54	5.30
			484 T	# 65	-	-
				66	11.09	2.22
			996 T	67	9.12	-2.99
			SU	-	9.15	-2.97

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	7.444	-20.680
				4	6.023	-20.277
				7	-1.274	4.802
				8	-16.928	4.786
			52 T	37	6.009	-18.337
				38	5.824	-19.930
				39	5.680	2.323
				40	-3.068	3.209
			106 T	53	3.104	-20.539
				54	2.871	0.186
			242 T	61	2.459	-0.559
			SU	-	2.571	-0.436

802.11ax(HE40)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	PSD (dBm)	
					UNII 2C	UNII 3
HE40	5710	142	26 T	# 0	-	-
				9	7.071	-25.537
				16	4.223	4.608
				17	-19.065	4.543
			52 T	# 37	-	-
				41	5.800	-26.333
				43	5.870	-8.583
				44	2.566	3.318
			106 T	# 53	-	-
				# 54	-	-
				55	3.069	-21.695
				56	3.073	0.071
			242 T	# 61	-	-
				62	2.221	-0.763
			484 T	65	-0.497	-3.558
			SU	-	-0.461	-3.568

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	3.328	4.188
				36	-23.292	4.117
			52 T	# 37	-	-
				# 45	-	-
				51	5.638	-10.059
				52	1.540	2.847
			106 T	# 53	-	-
				# 57	-	-
				59	2.726	-25.390
				60	2.520	-0.306
			242 T	# 61	-	-
				# 62	-	-
				63	1.824	-20.083
				64	1.870	-1.092
			484 T	# 65	-	-
				66	-1.053	-4.107
			996 T	67	-5.871	-8.992
			SU	-	-5.866	-8.956

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	5.251	-24.512
				4	3.494	-22.669
				7	-3.323	2.460
				8	-18.930	2.502
			52 T	37	2.874	-23.189
				38	2.758	-22.364
				39	2.717	-0.700
				40	-6.056	0.158
			106 T	53	0.215	-20.518
				54	0.027	-2.644
			242 T	61	0.021	-2.684
			SU	-	-0.053	-2.715

802.11ax(HE40)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	PSD (dBm)	
					UNII 2C	UNII 3
HE40	5710	142	26 T	# 0	-	-
				9	4.868	-27.173
				16	1.633	2.275
				17	-23.108	2.428
			52 T	# 37	-	-
				41	2.821	-25.301
				43	3.151	-10.956
				44	-0.445	0.284
			106 T	# 53	-	-
				# 54	-	-
				55	-0.049	-25.415
				56	0.049	-2.721
			242 T	# 61	-	-
				62	-0.231	-3.029
			484 T	65	-2.812	-6.023
			SU	-	-3.044	-5.922

802.11ax(HE80)

BW	Frequency [MHz]	Channel No.	Tone	RU Index	PSD (dBm)	
					UNII 2C	UNII 3
HE80	5690	138	26 T	# 0	-	-
				# 18	-	-
				35	0.731	1.839
				36	-24.324	1.788
			52 T	# 37	-	-
				# 45	-	-
				51	2.589	-12.781
				52	-1.870	-0.195
			106 T	# 53	-	-
				# 57	-	-
				59	-0.543	-31.967
				60	-0.637	-3.332
			242 T	# 61	-	-
				# 62	-	-
				63	-0.583	-22.890
				64	-0.557	-3.540
			484 T	# 65	-	-
				66	-3.577	-6.621
			996 T	67	-8.551	-11.548
			SU	-	-8.521	-11.795

10.7RADIATED SPURIOUS EMISSIONS (9 kHz – 1 GHz)

Frequency Range : 9 kHz – 30 MHz

Frequency	Measured Value	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 Value	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) 26 Tone 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 Value [dBµV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10360	43.94	8.12	V	52.06	68.20	16.14	PK
15540	39.96	12.95	V	52.91	73.98	21.07	PK
15540	27.03	12.95	V	39.98	53.98	14.00	AV
10360	44.22	8.12	H	52.34	68.20	15.86	PK
15540	40.04	12.95	H	52.99	73.98	20.99	PK
15540	27.00	12.95	H	39.95	53.98	14.03	AV
7769	54.70	-0.13	H	54.57	68.20	13.63	PK
7769	54.58	-0.13	V	54.45	68.20	13.75	PK

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

Frequency [MHz]	Measured Value [dBµV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10400	43.80	8.14	V	51.94	68.20	16.26	PK
15600	39.84	13.29	V	53.13	73.98	20.85	PK
15600	26.67	13.29	V	39.96	53.98	14.02	AV
10400	43.83	8.14	H	51.97	68.20	16.23	PK
15600	40.02	13.29	H	53.31	73.98	20.67	PK
15600	26.74	13.29	H	40.03	53.98	13.95	AV
7800	54.20	-0.10	H	54.10	68.20	14.10	PK
7800	53.95	-0.10	V	53.85	68.20	14.35	PK

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

Frequency [MHz]	Measured Value [dBµV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10480	43.43	8.62	V	52.05	68.20	16.15	PK
15720	39.77	13.21	V	52.98	73.98	21.00	PK
15720	26.27	13.21	V	39.48	53.98	14.50	AV
10480	43.78	8.62	H	52.40	68.20	15.80	PK
15720	40.06	13.21	H	53.27	73.98	20.71	PK
15720	26.37	13.21	H	39.58	53.98	14.40	AV
7860	53.82	0.31	H	54.13	68.20	14.07	PK
7860	54.03	0.31	V	54.34	68.20	13.86	PK

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

Frequency [MHz]	Measured Value [dBµV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10520	43.16	8.85	V	52.01	68.20	16.19	PK
15780	40.96	12.87	V	53.83	73.98	20.15	PK
15780	27.28	12.87	V	40.15	53.98	13.83	AV
10520	43.59	8.85	H	52.44	68.20	15.76	PK
15780	40.59	12.87	H	53.46	73.98	20.52	PK
15780	27.27	12.87	H	40.14	53.98	13.84	AV
7372	49.48	0.71	H	50.19	73.98	23.79	PK
7372	36.12	0.71	H	36.83	53.98	17.15	AV
7372	49.60	0.71	V	50.31	73.98	23.67	PK
7372	36.38	0.71	V	37.09	53.98	16.89	AV

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

Frequency [MHz]	Measured Value [dBµV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10600	42.66	9.35	V	52.01	73.98	21.97	PK
10600	29.35	9.35	V	38.70	53.98	15.28	AV
15900	41.10	12.56	V	53.66	73.98	20.32	PK
15900	27.73	12.56	V	40.29	53.98	13.69	AV
10600	42.99	9.35	H	52.34	73.98	21.64	PK
10600	29.42	9.35	H	38.77	53.98	15.21	AV
15900	41.19	12.56	H	53.75	73.98	20.23	PK
15900	27.73	12.56	V	40.29	53.98	13.69	AV

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

Frequency [MHz]	Measured Value [dBµV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10640	42.34	9.15	V	51.49	73.98	22.49	PK
10640	29.19	9.15	V	38.34	53.98	15.64	AV
15960	40.74	12.21	V	52.95	73.98	21.03	PK
15960	27.51	12.21	V	39.72	53.98	14.26	AV
10640	42.65	9.15	H	51.80	73.98	22.18	PK
10640	29.35	9.15	H	38.50	53.98	15.48	AV
15960	40.75	12.21	H	52.96	73.98	21.02	PK
15960	27.49	12.21	V	39.70	53.98	14.28	AV

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

Frequency [MHz]	Measured Value [dBµV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11000	42.13	10.19	V	52.32	73.98	21.66	PK
11000	29.04	10.19	V	39.23	53.98	14.75	AV
16500	41.96	12.17	V	54.13	68.20	14.07	PK
11000	42.42	10.19	H	52.61	73.98	21.37	PK
11000	29.07	10.19	H	39.26	53.98	14.72	AV
16500	41.49	12.17	H	53.66	68.20	14.54	PK
6600	54.64	-0.70	H	53.94	68.20	14.26	PK
6600	54.32	-0.70	V	53.62	68.20	14.58	PK

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

Frequency [MHz]	Measured Value [dBµV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11200	42.04	10.29	V	52.33	73.98	21.65	PK
11200	28.88	10.29	V	39.17	53.98	14.81	AV
16800	41.73	13.25	V	54.98	68.20	13.22	PK
11200	43.42	10.29	H	53.71	73.98	20.27	PK
11200	28.99	10.29	H	39.28	53.98	14.70	AV
16800	41.99	13.25	H	55.24	68.20	12.96	PK
6715	54.55	-1.50	H	53.05	68.20	15.15	PK
6715	54.86	-1.50	V	53.36	68.20	14.84	PK

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

Frequency [MHz]	Measured Value [dBµV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11440	42.05	10.43	V	52.48	73.98	21.50	PK
11440	28.30	10.43	V	38.73	53.98	15.25	AV
17160	41.13	13.78	V	54.91	68.20	13.29	PK
11440	42.06	10.43	H	52.49	73.98	21.49	PK
11440	28.27	10.43	H	38.70	53.98	15.28	AV
17160	41.28	13.78	H	55.06	68.20	13.14	PK
6863	51.98	-0.70	H	51.28	68.20	16.92	PK
6863	52.15	-0.70	V	51.45	68.20	16.75	PK

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

Frequency [MHz]	Measured Value [dBµV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11490	41.90	10.81	V	52.71	73.98	21.27	PK
11490	28.76	10.81	V	39.57	53.98	14.41	AV
17235	41.28	14.28	V	55.56	68.20	12.64	PK
11490	42.13	10.81	H	52.94	73.98	21.04	PK
11490	28.85	10.81	H	39.66	53.98	14.32	AV
17235	40.96	14.28	H	55.24	68.20	12.96	PK
6893	52.12	-0.61	H	51.51	68.20	16.69	PK
6893	52.43	-0.61	V	51.82	68.20	16.38	PK

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

requency [MHz]	Measured Value [dBµV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11570	42.24	10.13	V	52.37	73.98	21.61	PK
11570	28.88	10.13	V	39.01	53.98	14.97	AV
17355	40.17	15.62	V	55.79	68.20	12.41	PK
11570	42.50	10.13	H	52.63	73.98	21.35	PK
11570	28.85	10.13	H	38.98	53.98	15.00	AV
17355	40.93	15.62	H	56.55	68.20	11.65	PK
6942	51.89	-0.41	H	51.48	68.20	16.72	PK
6942	52.14	-0.41	V	51.73	68.20	16.47	PK

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

Frequency [MHz]	Measured Value [dBµV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
11650	42.59	9.58	V	52.17	73.98	21.81	PK
11650	29.51	9.58	V	39.09	53.98	14.89	AV
17475	40.61	17.18	V	57.79	68.20	10.41	PK
11650	42.59	9.58	H	52.17	73.98	21.81	PK
11650	29.11	9.58	H	38.69	53.98	15.29	AV
17475	40.55	17.18	H	57.73	68.20	10.47	PK
6989	51.81	-0.34	H	51.47	68.20	16.73	PK
6989	51.41	-0.34	V	51.07	68.20	17.13	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 Value [dBµV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10500	43.55	8.50	V	52.05	68.20	16.15	PK
15750	40.32	12.83	V	53.15	73.98	20.83	PK
15750	27.44	12.83	V	40.27	53.98	13.71	AV
10500	43.22	8.50	H	51.72	68.20	16.48	PK
15750	40.22	12.83	H	53.05	73.98	20.93	PK
15750	27.32	12.83	H	40.15	53.98	13.83	AV
6999	60.42	-0.44	H	59.98	68.20	8.22	PK
6999	60.01	-0.44	V	59.57	68.20	8.63	AV

Note:

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

[DBS Mode]

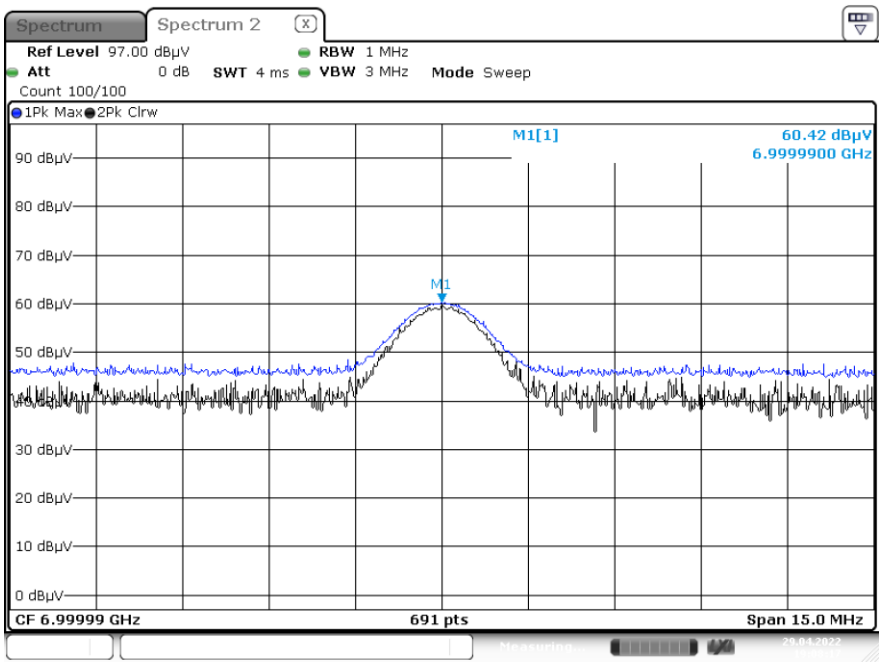
WLAN/BT Ant : Bluetooth (8DPSK) CH.0 & 802.11ax(HE160) MCS0, SU, ch.50

Frequency [MHz]	Measured Value [dBµV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
10500	43.93	8.50	V	52.43	68.20	15.77	PK
15750	40.41	12.83	V	53.24	73.98	20.74	PK
15750	27.66	12.83	V	40.49	53.98	13.49	AV
10500	43.25	8.50	H	51.75	68.20	16.45	PK
15750	40.40	12.83	H	53.23	73.98	20.75	PK
15750	27.88	12.83	H	40.71	53.98	13.27	AV
6999	60.63	-0.44	H	60.19	68.20	8.01	PK
6999	60.25	-0.44	V	59.81	68.20	8.39	AV

[MIMO]

▣ Test Plots_SU

Peak result (802.11axHE160, Ch.50 Spurious Emission, Y-H)

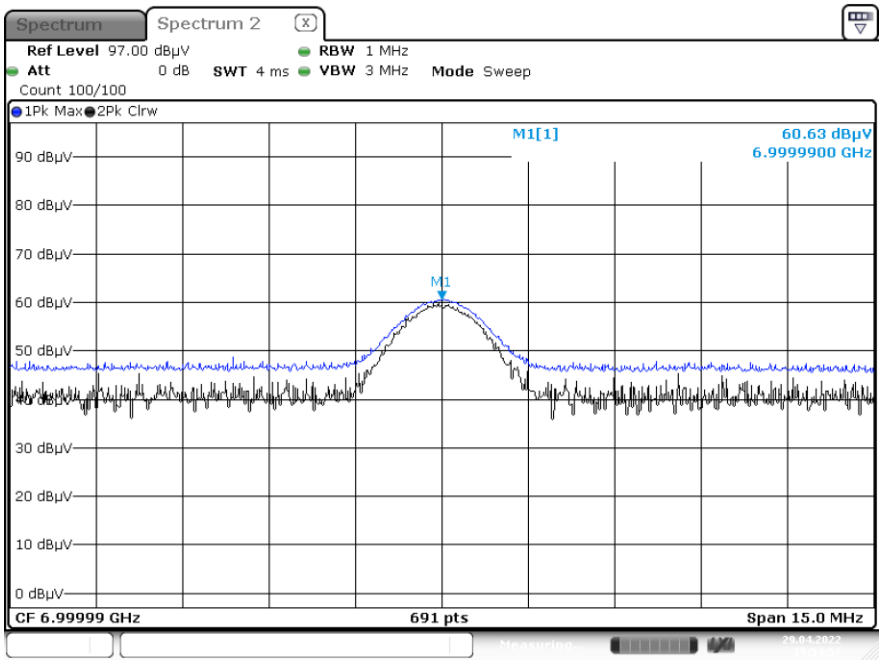


[DBS]

▣ Test Plots

WLAN/BT Ant : Bluetooth (8DPSK) CH.0 & 802.11ax(HE160) MCS0, SU, ch.50

Radiated Spurious Emissions plot – Peak Result (Spurious Emissions, 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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	45.16	8.43	H	53.59	73.98	20.39	PK
5150	30.33	8.43	H	38.76	53.98	15.22	AV
5150	44.98	8.43	V	53.41	73.98	20.57	PK
5150	30.12	8.43	V	38.55	53.98	15.43	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	45.30	8.23	H	53.53	73.98	20.45	PK
5350	30.86	8.23	H	39.09	53.98	14.89	AV
5350	45.02	8.23	V	53.25	73.98	20.73	PK
5350	30.68	8.23	V	38.91	53.98	15.07	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	40.48	15.81	H	56.29	73.98	17.69	PK
5460	28.62	15.81	H	44.43	53.98	9.55	AV
5470	42.71	15.82	H	58.53	68.20	9.67	PK
5460	40.69	15.81	V	56.50	73.98	17.48	PK
5460	28.88	15.81	V	44.69	53.98	9.29	AV
5470	42.91	15.82	V	58.73	68.20	9.47	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	44.60	8.43	H	53.03	73.98	20.95	PK
5150	30.37	8.43	H	38.80	53.98	15.18	AV
5150	44.32	8.43	V	52.75	73.98	21.23	PK
5150	30.02	8.43	V	38.45	53.98	15.53	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	45.30	8.23	H	53.53	73.98	20.45	PK
5350	30.80	8.23	H	39.03	53.98	14.95	AV
5350	45.01	8.23	V	53.24	73.98	20.74	PK
5350	30.61	8.23	V	38.84	53.98	15.14	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	42.48	15.81	H	58.29	73.98	15.69	PK
5460	27.78	15.81	H	43.59	53.98	10.39	AV
5470	43.06	15.82	H	58.88	68.20	9.32	PK
5460	42.67	15.81	V	58.48	73.98	15.50	PK
5460	27.96	15.81	V	43.77	53.98	10.21	AV
5470	43.14	15.82	V	58.96	68.20	9.24	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	45.54	8.43	H	53.97	73.98	20.01	PK
5150	30.30	8.43	H	38.73	53.98	15.25	AV
5150	45.32	8.43	V	53.75	73.98	20.23	PK
5150	30.12	8.43	V	38.55	53.98	15.43	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	44.87	8.23	H	53.10	73.98	20.88	PK
5350	30.17	8.23	H	38.40	53.98	15.58	AV
5350	44.55	8.23	V	52.78	73.98	21.20	PK
5350	30.02	8.23	V	38.25	53.98	15.73	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	42.98	15.81	H	58.79	73.98	15.19	PK
5460	27.89	15.81	H	43.70	53.98	10.28	AV
5470	43.01	15.82	H	58.83	68.20	9.37	PK
5460	43.15	15.81	V	58.96	73.98	15.02	PK
5460	28.01	15.81	V	43.82	53.98	10.16	AV
5470	43.21	15.82	V	59.03	68.20	9.17	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	43.41	8.43	H	51.84	73.98	22.14	PK
5150	31.16	8.43	H	39.59	53.98	14.39	AV
5150	43.22	8.43	V	51.65	73.98	22.33	PK
5150	30.91	8.43	V	39.34	53.98	14.64	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	43.81	8.23	H	52.04	73.98	21.94	PK
5350	31.11	8.23	H	39.34	53.98	14.64	AV
5350	43.55	8.23	V	51.78	73.98	22.20	PK
5350	31.02	8.23	V	39.25	53.98	14.73	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	40.68	15.81	H	56.49	73.98	17.49	PK
5460	28.22	15.81	H	44.03	53.98	9.95	AV
5470	45.62	15.82	H	61.44	68.20	6.76	PK
5460	40.81	15.81	V	56.62	73.98	17.36	PK
5460	28.46	15.81	V	44.27	53.98	9.71	AV
5470	45.82	15.82	V	61.64	68.20	6.56	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	43.13	8.43	H	51.56	73.98	22.42	PK
5150	30.90	8.43	H	39.33	53.98	14.65	AV
5150	42.99	8.43	V	51.42	73.98	22.56	PK
5150	30.78	8.43	V	39.21	53.98	14.77	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	43.31	8.23	H	51.54	73.98	22.44	PK
5350	30.73	8.23	H	38.96	53.98	15.02	AV
5350	43.02	8.23	V	51.25	73.98	22.73	PK
5350	30.51	8.23	V	38.74	53.98	15.24	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	41.78	15.81	H	57.59	73.98	16.39	PK
5460	28.51	15.81	H	44.32	53.98	9.66	AV
5470	40.48	15.82	H	56.30	68.20	11.90	PK
5460	41.93	15.81	V	57.74	73.98	16.24	PK
5460	28.74	15.81	V	44.55	53.98	9.43	AV
5470	40.65	15.82	V	56.47	68.20	11.73	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	45.89	8.43	H	54.32	73.98	19.66	PK
5150	31.04	8.43	H	39.47	53.98	14.51	AV
5150	45.55	8.43	V	53.98	73.98	20.00	PK
5150	30.98	8.43	V	39.41	53.98	14.57	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	48.10	8.23	H	56.33	73.98	17.65	PK
5350	30.85	8.23	H	39.08	53.98	14.90	AV
5350	47.85	8.23	V	56.08	73.98	17.90	PK
5350	30.68	8.23	V	38.91	53.98	15.07	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	43.12	15.81	H	58.93	73.98	15.05	PK
5460	27.89	15.81	H	43.70	53.98	10.28	AV
5470	42.02	15.82	H	57.84	68.20	10.36	PK
5460	43.36	15.81	V	59.17	73.98	14.81	PK
5460	28.13	15.81	V	43.94	53.98	10.04	AV
5470	42.26	15.82	V	58.08	68.20	10.12	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	45.42	8.43	H	53.85	73.98	20.13	PK
5150	30.68	8.43	H	39.11	53.98	14.87	AV
5150	45.02	8.43	V	53.45	73.98	20.53	PK
5150	30.48	8.43	V	38.91	53.98	15.07	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	47.11	8.23	H	55.34	73.98	18.64	PK
5350	30.87	8.23	H	39.10	53.98	14.88	AV
5350	46.89	8.23	V	55.12	73.98	18.86	PK
5350	30.51	8.23	V	38.74	53.98	15.24	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	42.68	15.81	H	58.49	73.98	15.49	PK
5460	28.22	15.81	H	44.03	53.98	9.95	AV
5470	43.02	15.82	H	58.84	68.20	9.36	PK
5460	42.81	15.81	V	58.62	73.98	15.36	PK
5460	28.42	15.81	V	44.23	53.98	9.75	AV
5470	43.29	15.82	V	59.11	68.20	9.09	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	44.91	8.43	H	53.34	73.98	20.64	PK
5150	30.47	8.43	H	38.90	53.98	15.08	AV
5150	44.78	8.43	V	53.21	73.98	20.77	PK
5150	30.22	8.43	V	38.65	53.98	15.33	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	49.58	8.23	H	57.81	73.98	16.17	PK
5350	30.55	8.23	H	38.78	53.98	15.20	AV
5350	49.48	8.23	V	57.71	73.98	16.27	PK
5350	30.41	8.23	V	38.64	53.98	15.34	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	41.02	15.81	H	56.83	73.98	17.15	PK
5460	27.92	15.81	H	43.73	53.98	10.25	AV
5470	43.22	15.82	H	59.04	68.20	9.16	PK
5460	41.12	15.81	V	56.93	73.98	17.05	PK
5460	28.20	15.81	V	44.01	53.98	9.97	AV
5470	43.55	15.82	V	59.37	68.20	8.83	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	45.32	8.43	H	53.75	73.98	20.23	PK
5150	31.45	8.43	H	39.88	53.98	14.10	AV
5150	45.12	8.43	V	53.55	73.98	20.43	PK
5150	31.22	8.43	V	39.65	53.98	14.33	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	50.22	8.23	H	58.45	73.98	15.53	PK
5350	30.59	8.23	H	38.82	53.98	15.16	AV
5350	50.02	8.23	V	58.25	73.98	15.73	PK
5350	30.29	8.23	V	38.52	53.98	15.46	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	40.51	15.81	H	56.32	73.98	17.66	PK
5460	28.12	15.81	H	43.93	53.98	10.05	AV
5470	46.02	15.82	H	61.84	68.20	6.36	PK
5460	40.71	15.81	V	56.52	73.98	17.46	PK
5460	28.49	15.81	V	44.30	53.98	9.68	AV
5470	46.18	15.82	V	62.00	68.20	6.20	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	46.85	8.43	H	55.28	73.98	18.70	PK
5150	33.71	8.43	H	42.14	53.98	11.84	AV
5150	46.51	8.43	V	54.94	73.98	19.04	PK
5150	33.39	8.43	V	41.82	53.98	12.16	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	50.46	8.23	H	58.69	73.98	15.29	PK
5350	34.65	8.23	H	42.88	53.98	11.10	AV
5350	50.12	8.23	V	58.35	73.98	15.63	PK
5350	34.48	8.23	V	42.71	53.98	11.27	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	44.89	15.81	H	60.70	73.98	13.28	PK
5460	28.12	15.81	H	43.93	53.98	10.05	AV
5470	45.78	15.82	H	61.60	68.20	6.60	PK
5460	45.15	15.81	V	60.96	73.98	13.02	PK
5460	28.50	15.81	V	44.31	53.98	9.67	AV
5470	46.11	15.82	V	61.93	68.20	6.27	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	43.34	8.43	H	51.77	73.98	22.21	PK
5150	31.64	8.43	H	40.07	53.98	13.91	AV
5150	43.02	8.43	V	51.45	73.98	22.53	PK
5150	31.48	8.43	V	39.91	53.98	14.07	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	45.57	8.23	H	53.80	73.98	20.18	PK
5350	33.43	8.23	H	41.66	53.98	12.32	AV
5350	45.48	8.23	V	53.71	73.98	20.27	PK
5350	33.33	8.23	V	41.56	53.98	12.42	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	40.11	15.81	H	55.92	73.98	18.06	PK
5460	28.02	15.81	H	43.83	53.98	10.15	AV
5470	40.48	15.82	H	56.30	68.20	11.90	PK
5460	40.29	15.81	V	56.10	73.98	17.88	PK
5460	28.25	15.81	V	44.06	53.98	9.92	AV
5470	40.63	15.82	V	56.45	68.20	11.75	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	45.76	8.43	H	54.19	73.98	19.79	PK
5150	30.78	8.43	H	39.21	53.98	14.77	AV
5150	45.55	8.43	V	53.98	73.98	20.00	PK
5150	30.55	8.43	V	38.98	53.98	15.00	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	48.55	8.23	H	56.78	73.98	17.20	PK
5350	30.73	8.23	H	38.96	53.98	15.02	AV
5350	48.14	8.23	V	56.37	73.98	17.61	PK
5350	30.62	8.23	V	38.85	53.98	15.13	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	41.95	15.81	H	57.76	73.98	16.22	PK
5460	27.09	15.81	H	42.90	53.98	11.08	AV
5470	41.88	15.82	H	57.70	68.20	10.50	PK
5460	42.12	15.81	V	57.93	73.98	16.05	PK
5460	27.33	15.81	V	43.14	53.98	10.84	AV
5470	42.01	15.82	V	57.83	68.20	10.37	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	45.21	8.43	H	53.64	73.98	20.34	PK
5150	30.70	8.43	H	39.13	53.98	14.85	AV
5150	45.02	8.43	V	53.45	73.98	20.53	PK
5150	30.51	8.43	V	38.94	53.98	15.04	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	48.36	8.23	H	56.59	73.98	17.39	PK
5350	30.66	8.23	H	38.89	53.98	15.09	AV
5350	48.21	8.23	V	56.44	73.98	17.54	PK
5350	30.48	8.23	V	38.71	53.98	15.27	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	42.02	15.81	H	57.83	73.98	16.15	PK
5460	27.32	15.81	H	43.13	53.98	10.85	AV
5470	42.29	15.82	H	58.11	68.20	10.09	PK
5460	42.25	15.81	V	58.06	73.98	15.92	PK
5460	27.53	15.81	V	43.34	53.98	10.64	AV
5470	42.56	15.82	V	58.38	68.20	9.82	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 Value [dBμV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5150	47.99	8.43	H	56.42	73.98	17.56	PK
5150	30.54	8.43	H	38.97	53.98	15.01	AV
5150	47.78	8.43	V	56.21	73.98	17.77	PK
5150	30.23	8.43	V	38.66	53.98	15.32	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 Value [dBμV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5350	48.92	8.23	H	57.15	73.98	16.83	PK
5350	30.26	8.23	H	38.49	53.98	15.49	AV
5350	48.62	8.23	V	56.85	73.98	17.13	PK
5350	30.12	8.23	V	38.35	53.98	15.63	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	40.32	15.81	H	56.13	73.98	17.85	PK
5460	27.12	15.81	H	42.93	53.98	11.05	AV
5470	40.89	15.82	H	56.71	68.20	11.49	PK
5460	40.49	15.81	V	56.30	73.98	17.68	PK
5460	27.35	15.81	V	43.16	53.98	10.82	AV
5470	41.01	15.82	V	56.83	68.20	11.37	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	49.39	8.43	H	57.82	73.98	16.16	PK
5150	31.28	8.43	H	39.71	53.98	14.27	AV
5150	43.02	8.43	V	51.45	73.98	22.53	PK
5150	31.12	8.43	V	39.55	53.98	14.43	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	49.66	8.23	H	57.89	73.98	16.09	PK
5350	32.44	8.23	H	40.67	53.98	13.31	AV
5350	49.48	8.23	V	57.71	73.98	16.27	PK
5350	32.33	8.23	V	40.56	53.98	13.42	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	41.11	15.81	H	56.92	73.98	17.06	PK
5460	28.02	15.81	H	43.83	53.98	10.15	AV
5470	41.23	15.82	H	57.05	68.20	11.15	PK
5460	41.25	15.81	V	57.06	73.98	16.92	PK
5460	28.24	15.81	V	44.05	53.98	9.93	AV
5470	41.23	15.82	V	57.05	68.20	11.15	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	49.39	8.43	H	57.82	73.98	16.16	PK
5150	31.28	8.43	H	39.71	53.98	14.27	AV
5150	49.22	8.43	V	57.65	73.98	16.33	PK
5150	31.02	8.43	V	39.45	53.98	14.53	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	48.44	8.23	H	56.67	73.98	17.31	PK
5350	34.32	8.23	H	42.55	53.98	11.43	AV
5350	48.28	8.23	V	56.51	73.98	17.47	PK
5350	34.11	8.23	V	42.34	53.98	11.64	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	41.02	15.81	H	56.83	73.98	17.15	PK
5460	28.41	15.81	H	44.22	53.98	9.76	AV
5470	41.55	15.82	H	57.37	68.20	10.83	PK
5460	41.27	15.81	V	57.08	73.98	16.90	PK
5460	28.59	15.81	V	44.40	53.98	9.58	AV
5470	41.88	15.82	V	57.70	68.20	10.50	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 Value [dBμV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5150	42.91	8.43	H	51.34	73.98	22.64	PK
5150	31.71	8.43	H	40.14	53.98	13.84	AV
5150	42.78	8.43	V	51.21	73.98	22.77	PK
5150	31.48	8.43	V	39.91	53.98	14.07	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 Value [dBμV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5350	48.00	8.23	H	56.23	73.98	17.75	PK
5350	35.65	8.23	H	43.88	53.98	10.10	AV
5350	47.78	8.23	V	56.01	73.98	17.97	PK
5350	35.44	8.23	V	43.67	53.98	10.31	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	41.51	15.81	H	57.32	73.98	16.66	PK
5460	28.62	15.81	H	44.43	53.98	9.55	AV
5470	42.01	15.82	H	57.83	68.20	10.37	PK
5460	41.94	15.81	V	57.75	73.98	16.23	PK
5460	28.77	15.81	V	44.58	53.98	9.40	AV
5470	42.15	15.82	V	57.97	68.20	10.23	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 Value [dBμV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5150	41.77	8.43	H	50.20	73.98	23.78	PK
5150	30.69	8.43	H	39.12	53.98	14.86	AV
5150	41.58	8.43	V	50.01	73.98	23.97	PK
5150	30.51	8.43	V	38.94	53.98	15.04	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 Value [dBμV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
5350	45.06	8.23	H	53.29	73.98	20.69	PK
5350	33.63	8.23	H	41.86	53.98	12.12	AV
5350	44.85	8.23	V	53.08	73.98	20.90	PK
5350	33.48	8.23	V	41.71	53.98	12.27	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	39.95	15.81	H	55.76	73.98	18.22	PK
5460	28.68	15.81	H	44.49	53.98	9.49	AV
5470	40.51	15.82	H	56.33	68.20	11.87	PK
5460	40.07	15.81	V	55.88	73.98	18.10	PK
5460	28.81	15.81	V	44.62	53.98	9.36	AV
5470	40.71	15.82	V	56.53	68.20	11.67	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	39.95	8.43	H	48.38	73.98	25.60	PK
5150	29.17	8.43	H	37.60	53.98	16.38	AV
5150	39.78	8.43	V	48.21	73.98	25.77	PK
5150	28.99	8.43	V	37.42	53.98	16.56	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	39.78	8.23	H	48.01	73.98	25.97	PK
5350	27.15	8.23	H	35.38	53.98	18.60	AV
5350	39.55	8.23	V	47.78	73.98	26.20	PK
5350	26.98	8.23	V	35.21	53.98	18.77	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	42.59	15.81	H	58.40	73.98	15.58	PK
5460	28.02	15.81	H	43.83	53.98	10.15	AV
5470	42.02	15.82	H	57.84	68.20	10.36	PK
5460	42.82	15.81	V	58.63	73.98	15.35	PK
5460	28.16	15.81	V	43.97	53.98	10.01	AV
5470	42.23	15.82	V	58.05	68.20	10.15	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	40.10	8.43	H	48.53	73.98	25.45	PK
5150	27.81	8.43	H	36.24	53.98	17.74	AV
5150	39.91	8.43	V	48.34	73.98	25.64	PK
5150	27.51	8.43	V	35.94	53.98	18.04	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	40.22	8.23	H	48.45	73.98	25.53	PK
5350	27.32	8.23	H	35.55	53.98	18.43	AV
5350	40.02	8.23	V	48.25	73.98	25.73	PK
5350	27.12	8.23	V	35.35	53.98	18.63	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	43.09	15.81	H	58.90	73.98	15.08	PK
5460	28.01	15.81	H	43.82	53.98	10.16	AV
5470	41.98	15.82	H	57.80	68.20	10.40	PK
5460	43.31	15.81	V	59.12	73.98	14.86	PK
5460	28.30	15.81	V	44.11	53.98	9.87	AV
5470	42.13	15.82	V	57.95	68.20	10.25	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	40.33	8.43	H	48.76	73.98	25.22	PK
5150	28.12	8.43	H	36.55	53.98	17.43	AV
5150	40.09	8.43	V	48.52	73.98	25.46	PK
5150	27.89	8.43	V	36.32	53.98	17.66	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	40.12	8.23	H	48.35	73.98	25.63	PK
5350	27.04	8.23	H	35.27	53.98	18.71	AV
5350	40.02	8.23	V	48.25	73.98	25.73	PK
5350	26.89	8.23	V	35.12	53.98	18.86	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	49.51	15.81	H	65.32	73.98	8.66	PK
5460	29.48	15.81	H	45.29	53.98	8.69	AV
5470	48.98	15.82	H	64.80	68.20	3.40	PK
5460	49.67	15.81	V	65.48	73.98	8.50	PK
5460	29.54	15.81	V	45.35	53.98	8.63	AV
5470	49.39	15.82	V	65.21	68.20	2.99	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	42.01	8.43	H	50.44	73.98	23.54	PK
5150	29.12	8.43	H	37.55	53.98	16.43	AV
5150	41.91	8.43	V	50.34	73.98	23.64	PK
5150	28.89	8.43	V	37.32	53.98	16.66	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	40.11	8.23	H	48.34	73.98	25.64	PK
5350	28.07	8.23	H	36.30	53.98	17.68	AV
5350	39.94	8.23	V	48.17	73.98	25.81	PK
5350	27.85	8.23	V	36.08	53.98	17.90	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	49.89	15.81	H	65.70	73.98	8.28	PK
5460	29.78	15.81	H	45.59	53.98	8.39	AV
5470	48.21	15.82	H	64.03	68.20	4.17	PK
5460	50.44	15.81	V	66.25	73.98	7.73	PK
5460	30.08	15.81	V	45.89	53.98	8.09	AV
5470	48.84	15.82	V	64.66	68.20	3.54	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	42.28	8.43	H	50.71	73.98	23.27	PK
5150	29.32	8.43	H	37.75	53.98	16.23	AV
5150	42.11	8.43	V	50.54	73.98	23.44	PK
5150	29.02	8.43	V	37.45	53.98	16.53	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.	66

Frequency [MHz]	Measured Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	40.88	8.23	H	49.11	73.98	24.87	PK
5350	27.95	8.23	H	36.18	53.98	17.80	AV
5350	40.75	8.23	V	48.98	73.98	25.00	PK
5350	27.78	8.23	V	36.01	53.98	17.97	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	49.99	15.81	H	65.80	73.98	8.18	PK
5460	29.88	15.81	H	45.69	53.98	8.29	AV
5470	48.23	15.82	H	64.05	68.20	4.15	PK
5460	50.32	15.81	V	66.13	73.98	7.85	PK
5460	30.01	15.81	V	45.82	53.98	8.16	AV
5470	48.73	15.82	V	64.55	68.20	3.65	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	41.12	8.43	H	49.55	73.98	24.43	PK
5150	29.12	8.43	H	37.55	53.98	16.43	AV
5150	41.08	8.43	V	49.51	73.98	24.47	PK
5150	29.02	8.43	V	37.45	53.98	16.53	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.	67

Frequency [MHz]	Measured Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	40.12	8.23	H	48.35	73.98	25.63	PK
5350	28.61	8.23	H	36.84	53.98	17.14	AV
5350	39.81	8.23	V	48.04	73.98	25.94	PK
5350	28.55	8.23	V	36.78	53.98	17.20	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	49.89	15.81	H	65.70	73.98	8.28	PK
5460	31.68	15.81	H	47.49	53.98	6.49	AV
5470	47.59	15.82	H	63.41	68.20	4.79	PK
5460	50.04	15.81	V	65.85	73.98	8.13	PK
5460	31.92	15.81	V	47.73	53.98	6.25	AV
5470	47.86	15.82	V	63.68	68.20	4.52	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5150	42.12	8.43	H	50.55	73.98	23.43	PK
5150	29.12	8.43	H	37.55	53.98	16.43	AV
5150	42.02	8.43	V	50.45	73.98	23.53	PK
5150	28.98	8.43	V	37.41	53.98	16.57	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5350	40.75	8.23	H	48.98	73.98	25.00	PK
5350	28.63	8.23	H	36.86	53.98	17.12	AV
5350	40.51	8.23	V	48.74	73.98	25.24	PK
5350	28.48	8.23	V	36.71	53.98	17.27	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 Value [dBµV]	CL+AF+DF-AG+ATT [dB/m]	ANT. POL [H/V]	Total [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Measurement Type
5460	41.12	15.81	H	56.93	73.98	17.05	PK
5460	29.98	15.81	H	45.79	53.98	8.19	AV
5470	42.02	15.82	H	57.84	68.20	10.36	PK
5460	41.33	15.81	V	57.14	73.98	16.84	PK
5460	30.02	15.81	V	45.83	53.98	8.15	AV
5470	42.59	15.82	V	58.41	68.20	9.79	PK

Note:

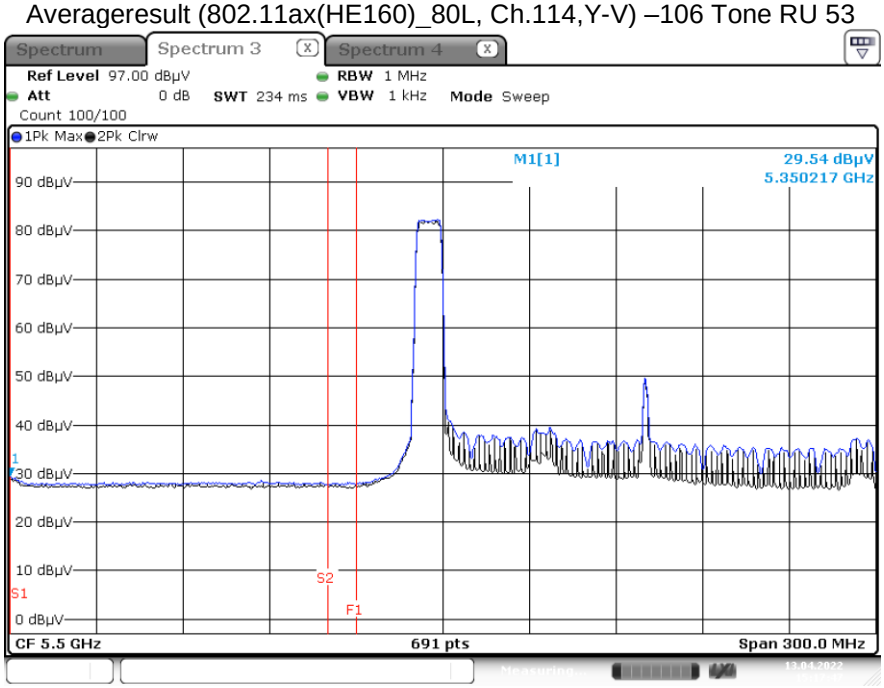
All Modes of operation were investigated and the worst case configuration results are reported.

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

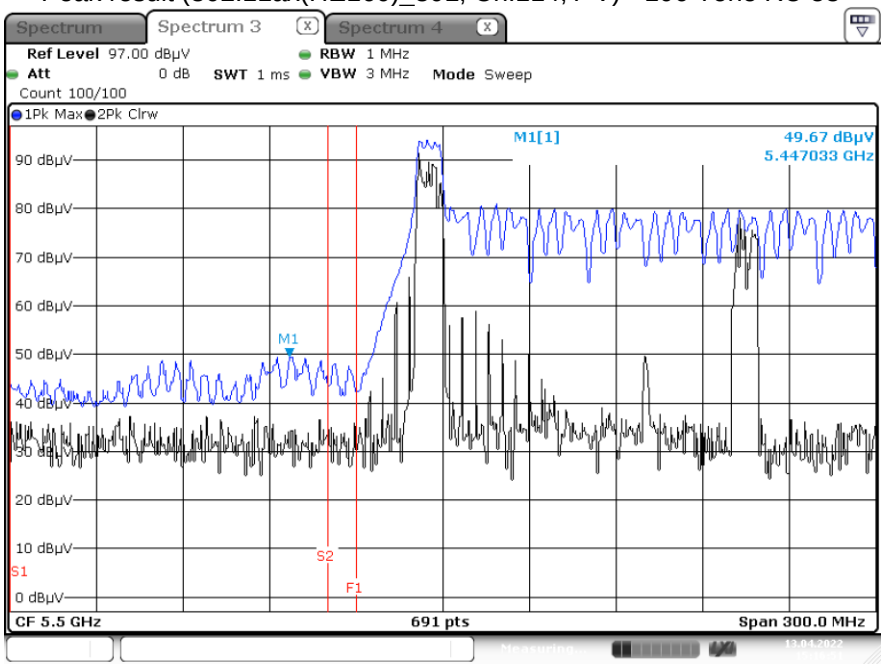
▣ Test Plots(UNII 1, 2A, 2C),

[MIMO]

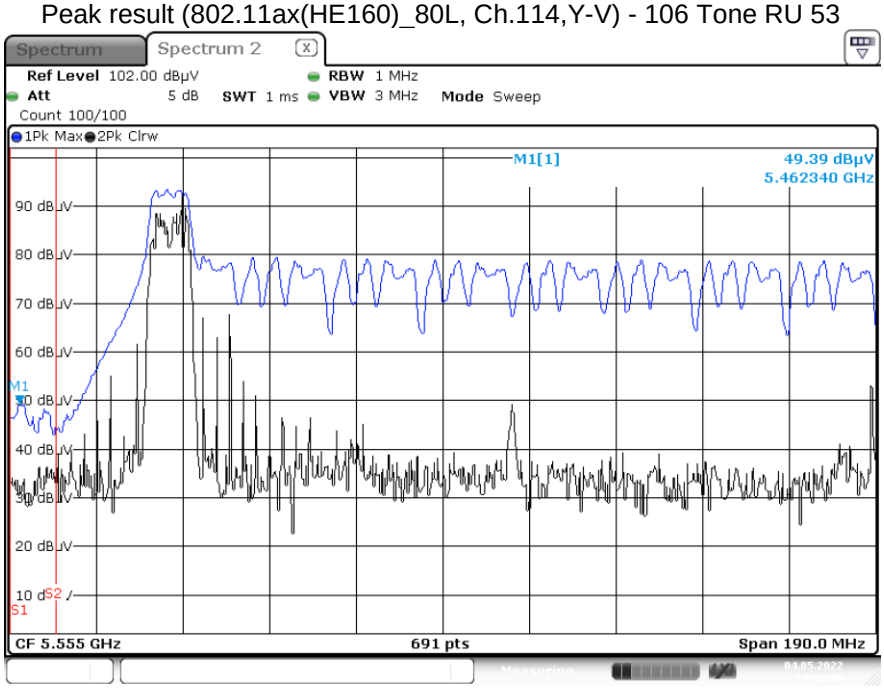
Averageresult (802.11ax(HE160)_80L, Ch.114,Y-V) –106 Tone RU 53



Peak result (802.11ax(HE160)_80L, Ch.114,Y-V) - 106 Tone RU 53



Peak result (802.11ax(HE160)_80L, Ch.114,Y-V) - 106 Tone RU 53



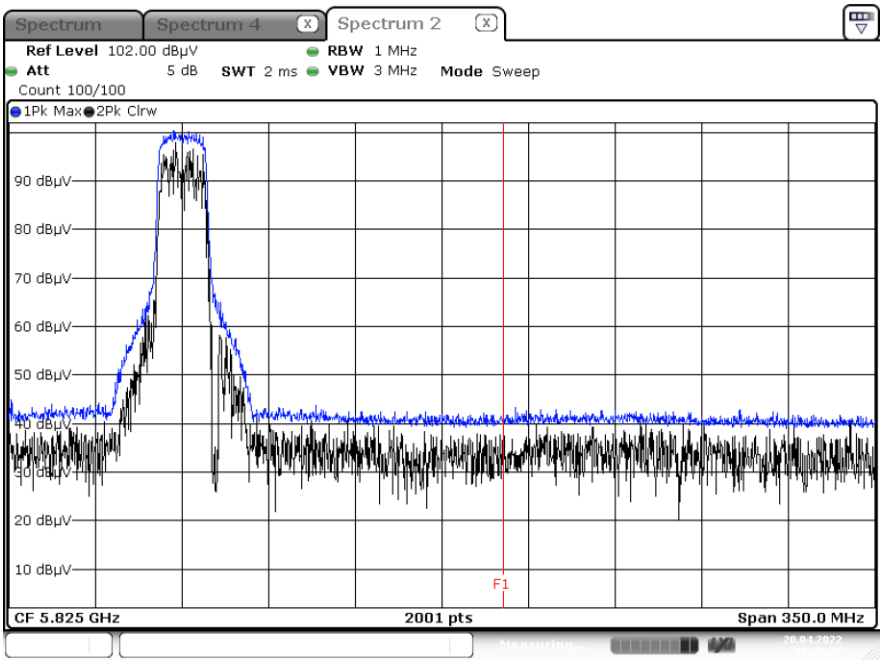
Note:

Only the worst case plots for Radiated Restricted Band Edge.

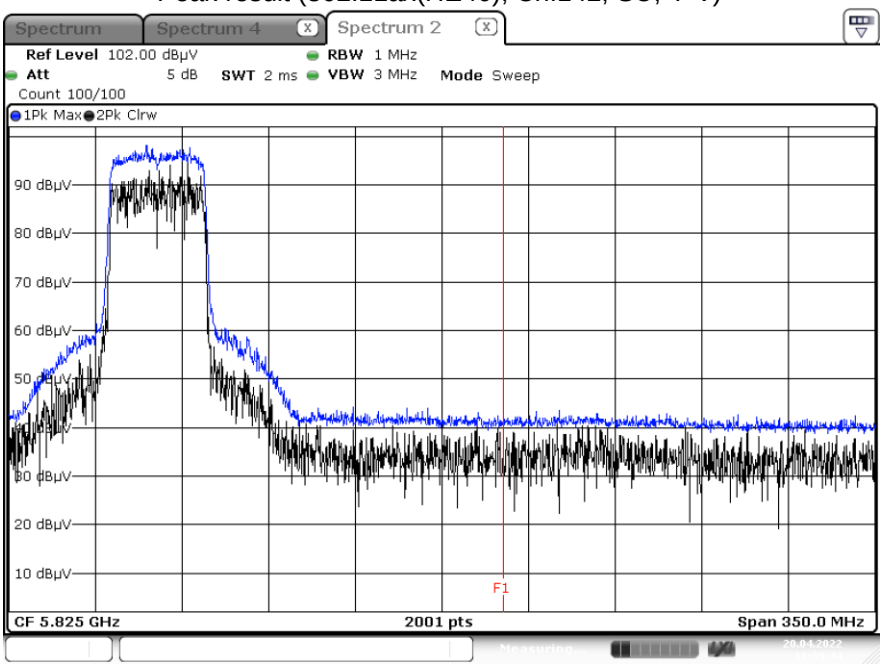
▣ Test Plots(Staraddle Channel)

[MIMO]

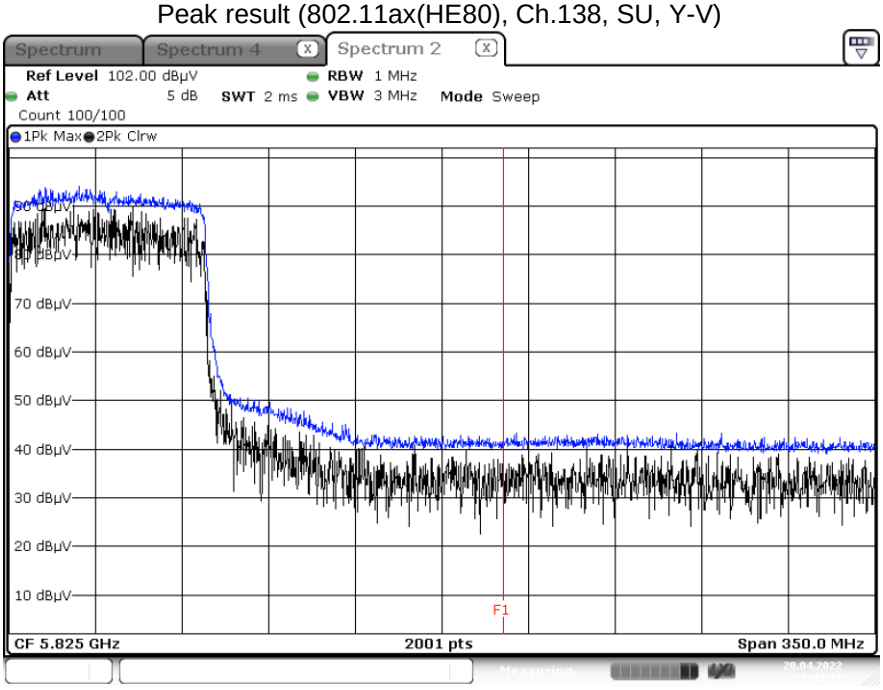
Peak result (802.11ax(HE20), Ch.144, SU, Y-V)



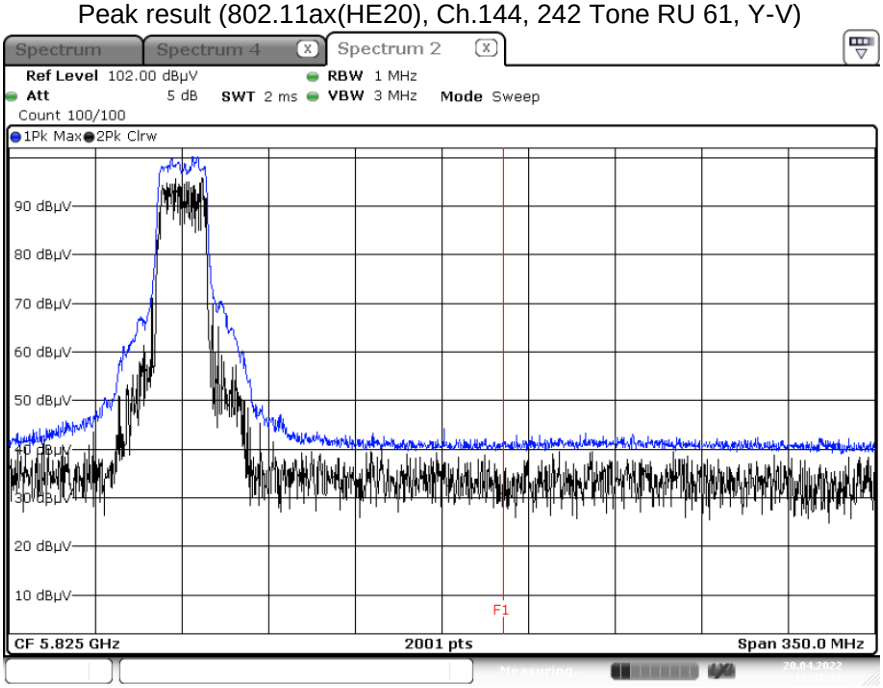
Peak result (802.11ax(HE40), Ch.142, SU, Y-V)



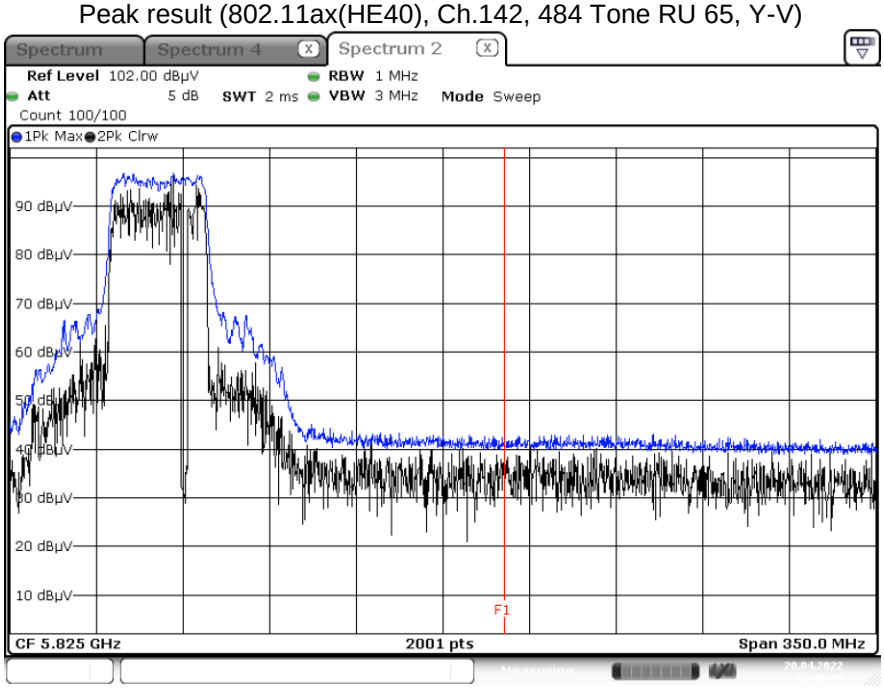
Peak result (802.11ax(HE80), Ch.138, SU, Y-V)



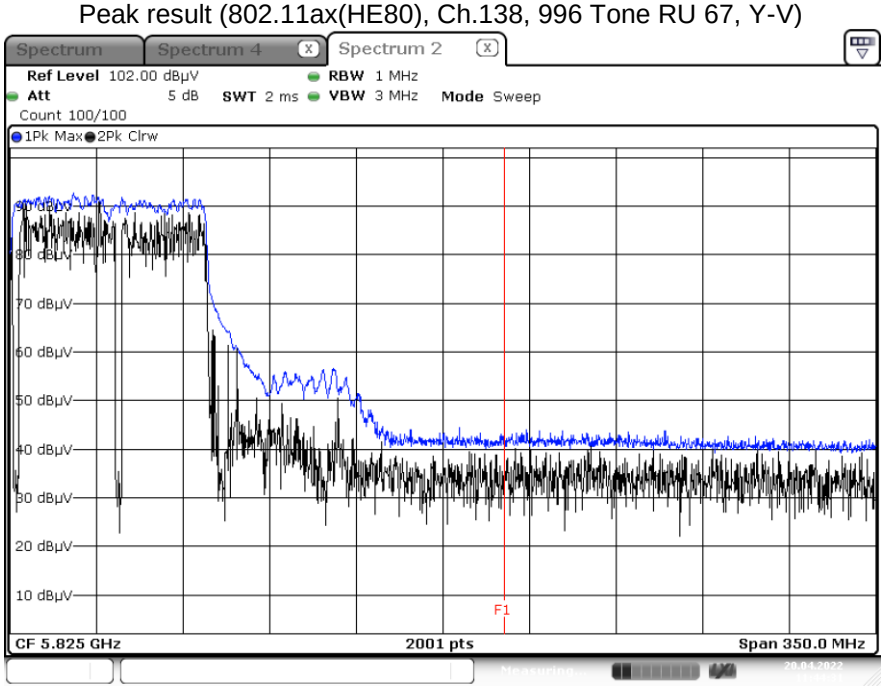
Peak result (802.11ax(HE20), Ch.144, 242 Tone RU 61, Y-V)



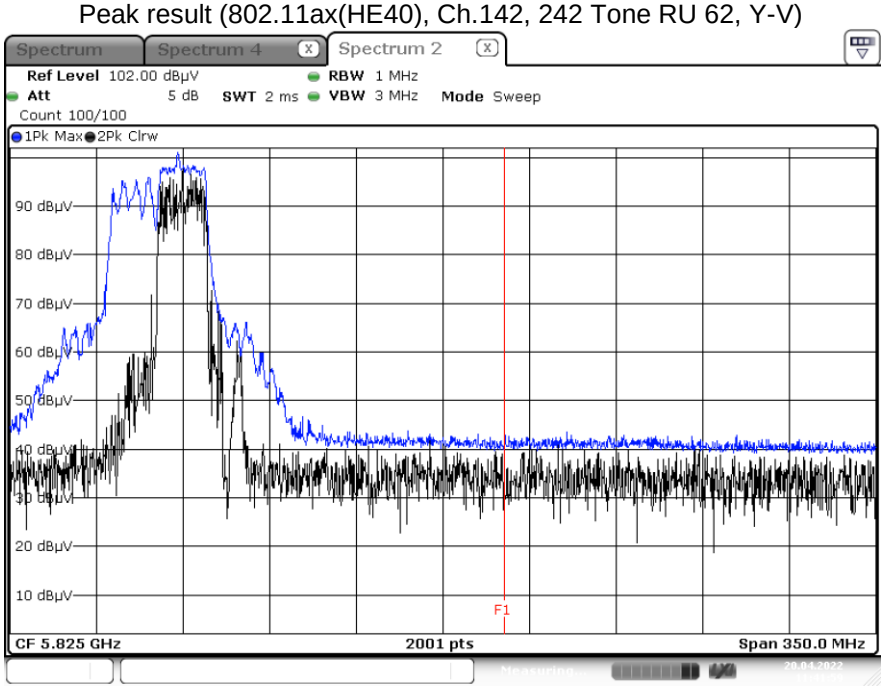
Peak result (802.11ax(HE40), Ch.142, 484 Tone RU 65, Y-V)



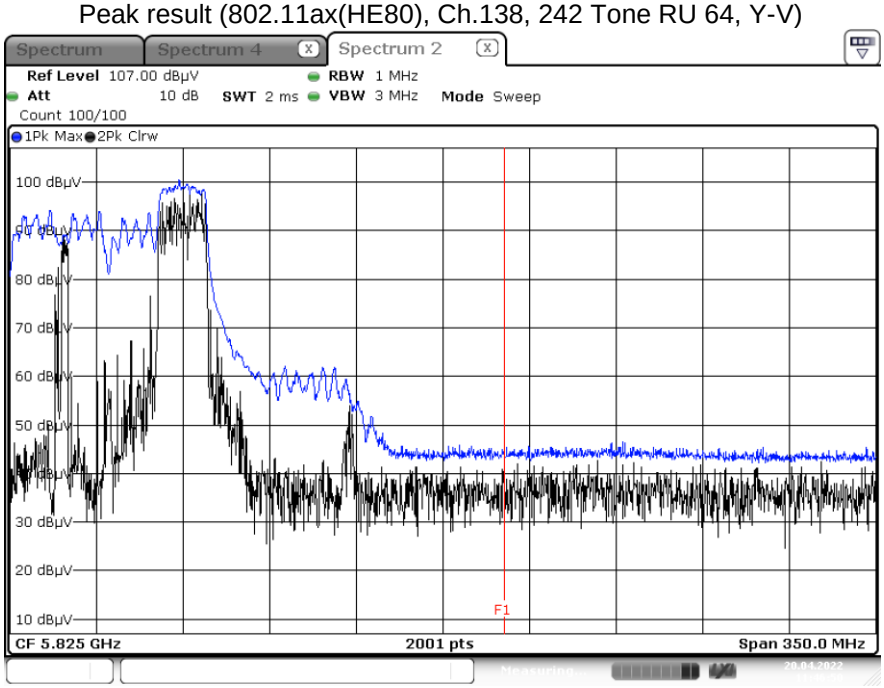
Peak result (802.11ax(HE80), Ch.138, 996 Tone RU 67, Y-V)



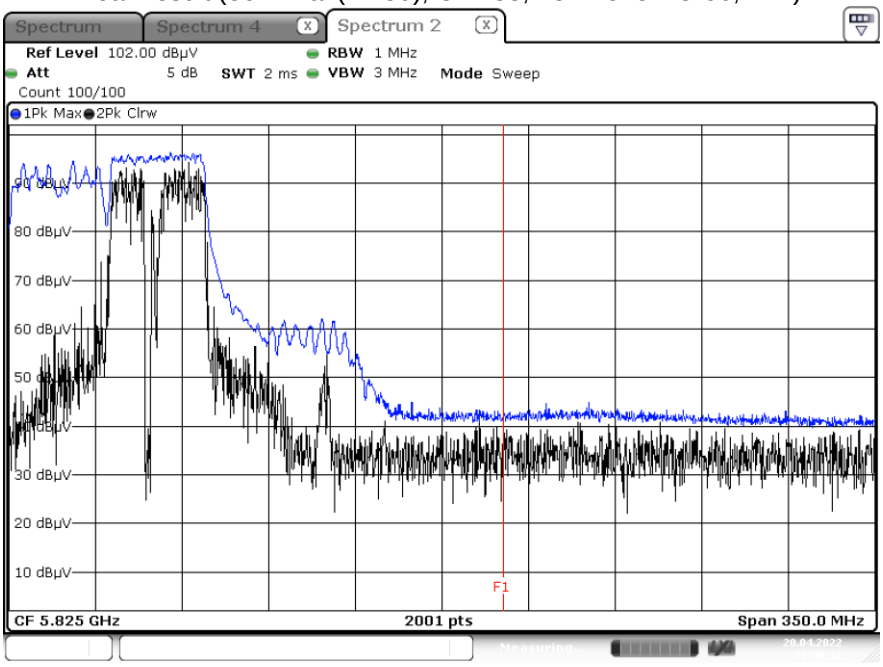
Peak result (802.11ax(HE40), Ch.142, 242 Tone RU 62, Y-V)



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



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



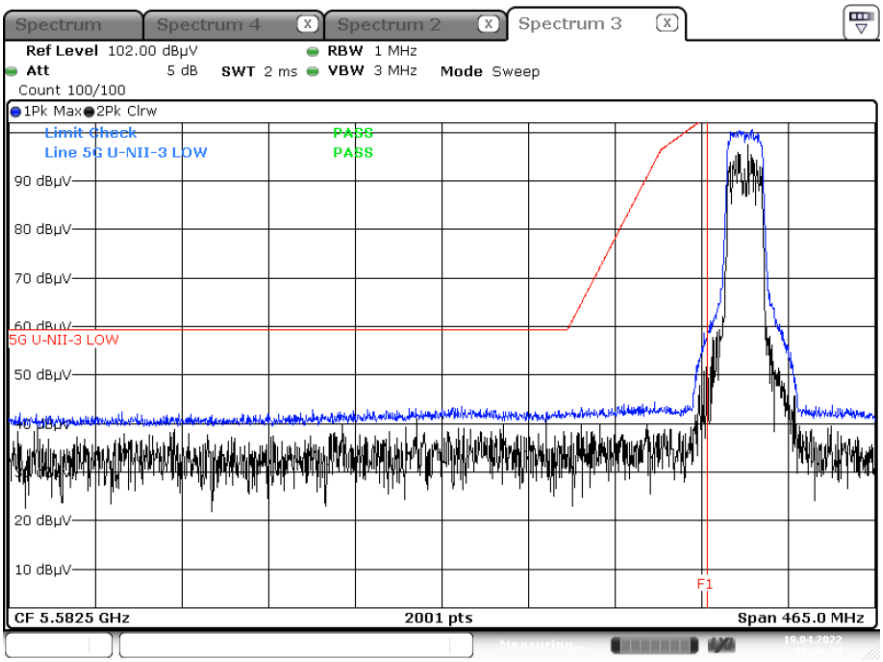
Note :

1. Only the worst case plots for Radiated Restricted Band Edge.
2. Red line : 5 850 MHz
3. Ambient Noise (Because of ambient noise, We attached only the worst plot without a data table)

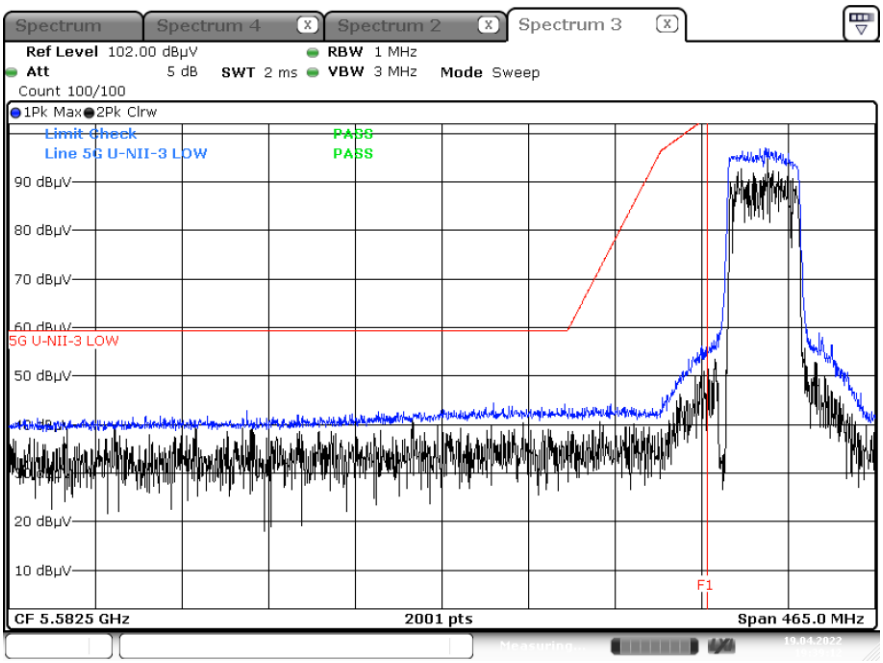
▣ Test Plots(UNII 3)_Low Edge

[MIMO]

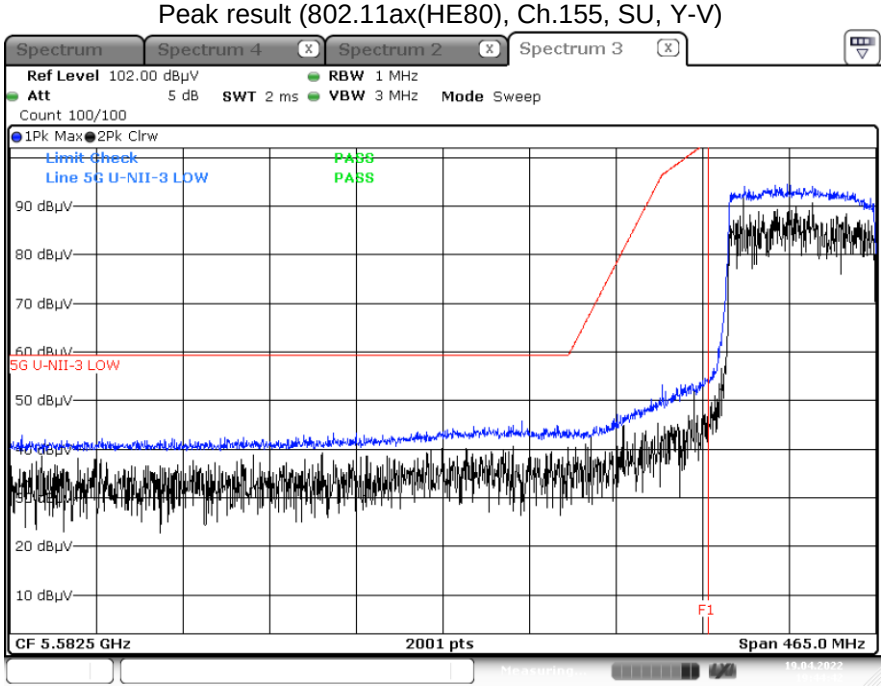
Peak result (802.11ax(HE20), Ch.149, SU, Y-V)



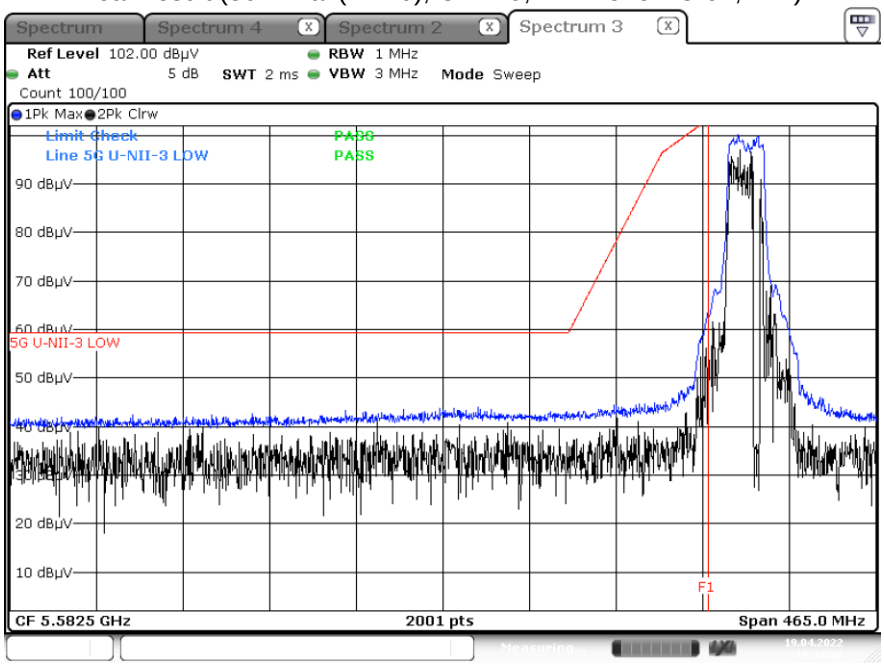
Peak result (802.11ax(HE40), Ch.151, SU, Y-V)



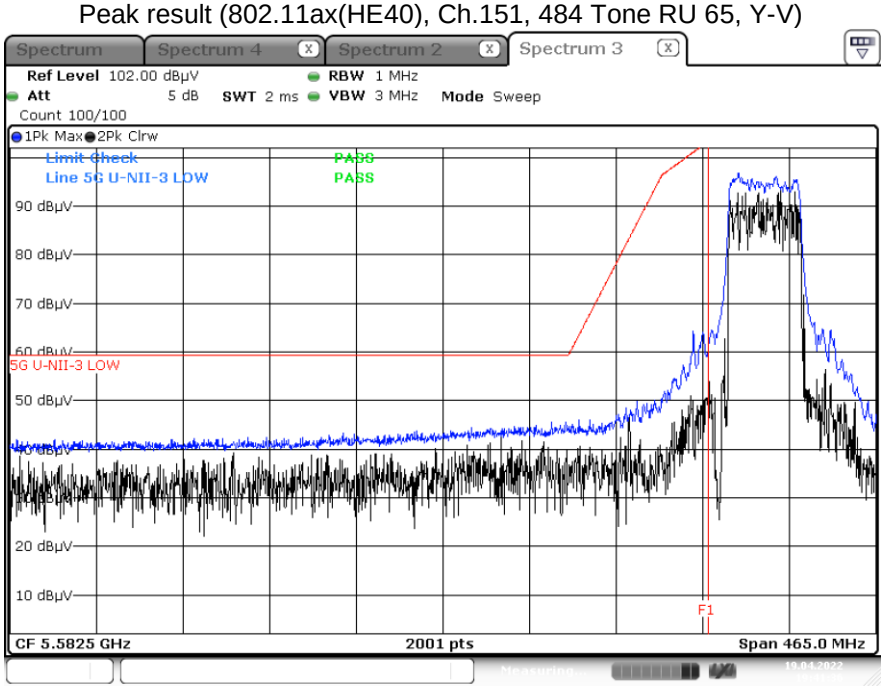
Peak result (802.11ax(HE80), Ch.155, SU, Y-V)



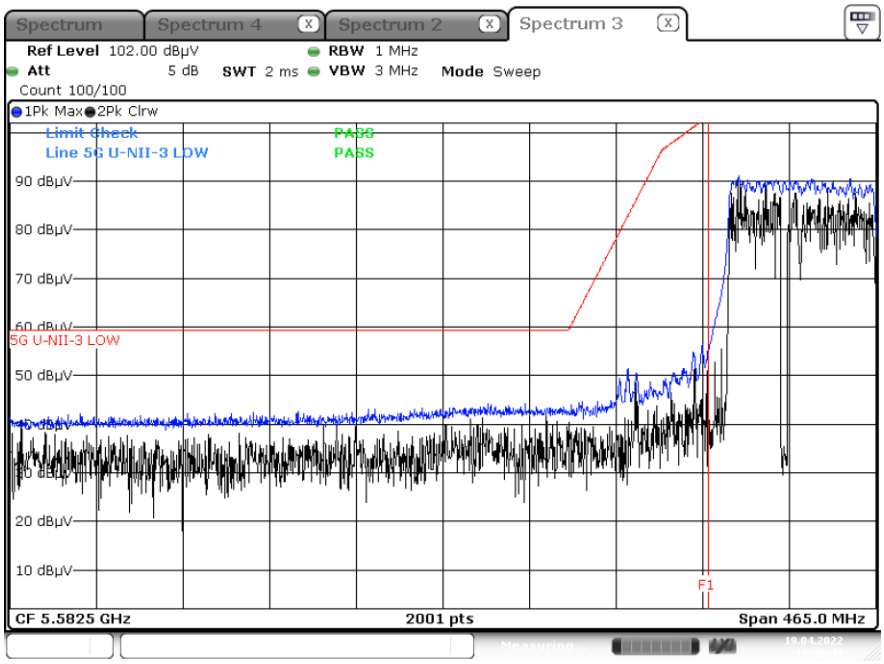
Peak result (802.11ax(HE20), Ch.149, 242 Tone RU 61, Y-V)



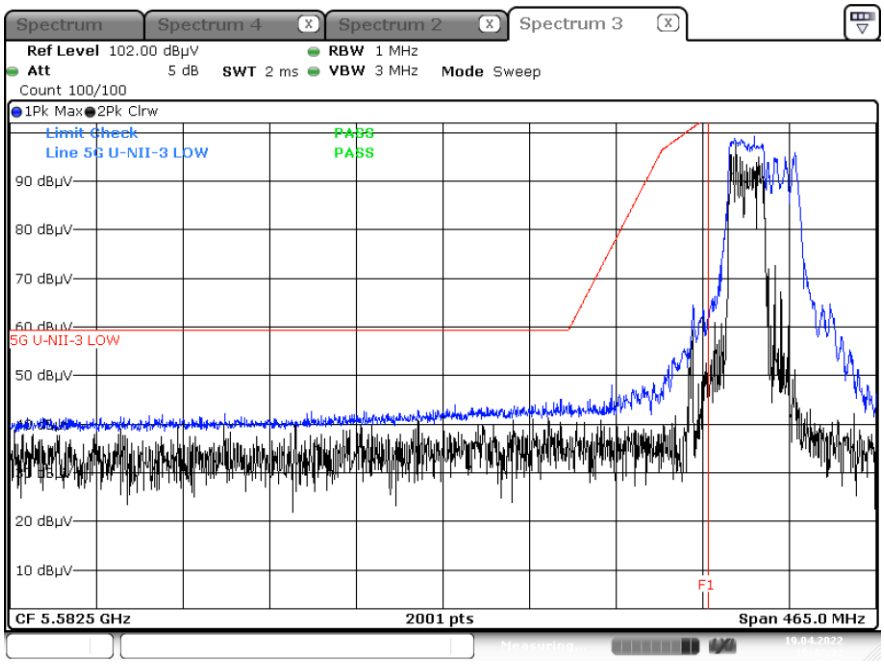
Peak result (802.11ax(HE40), Ch.151, 484 Tone RU 65, Y-V)



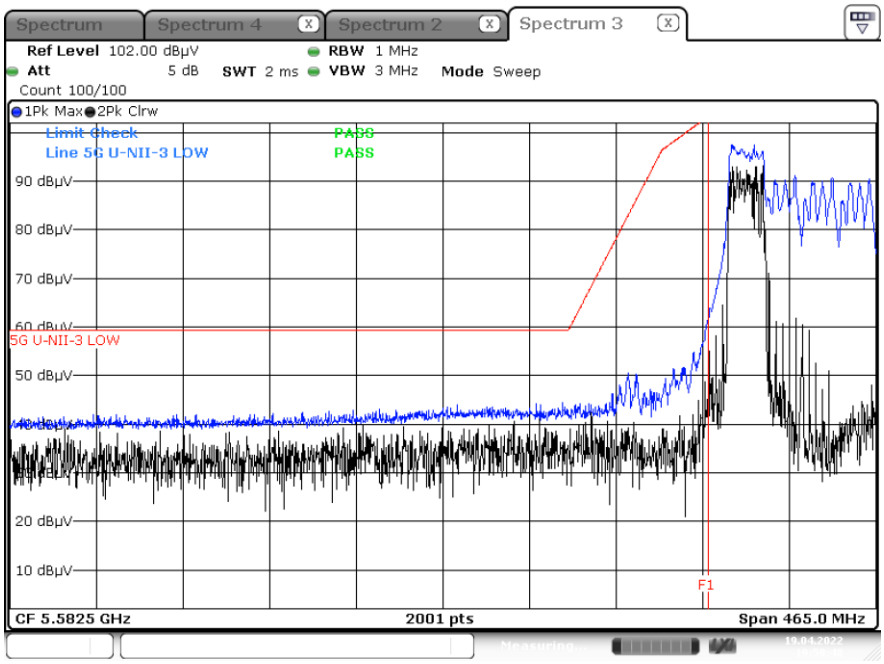
Peak result (802.11ax(HE80), Ch.155, 996 Tone RU 67, Y-V)



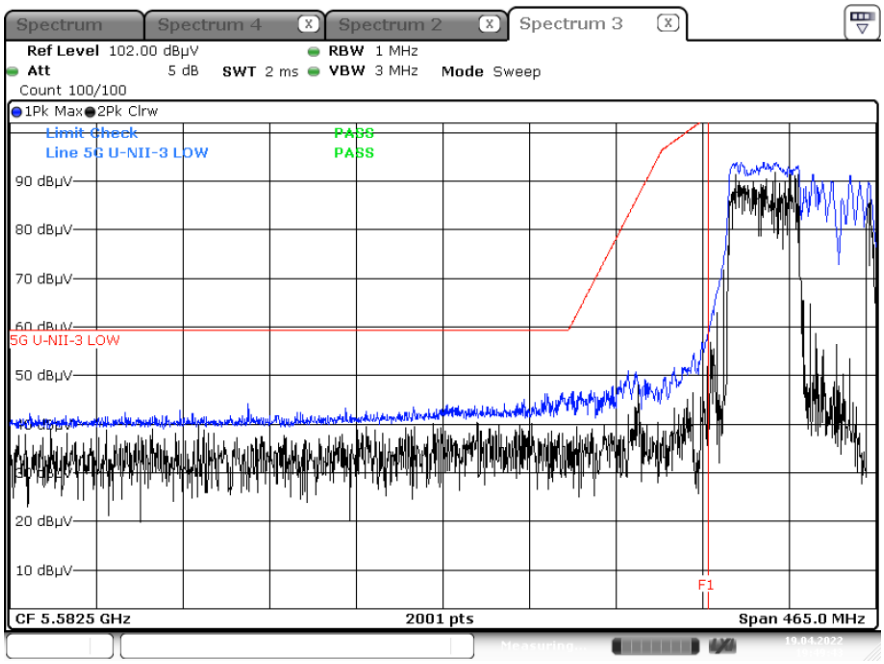
Peak result (802.11ax(HE40), Ch.151, 242 Tone RU 61, Y-V)



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



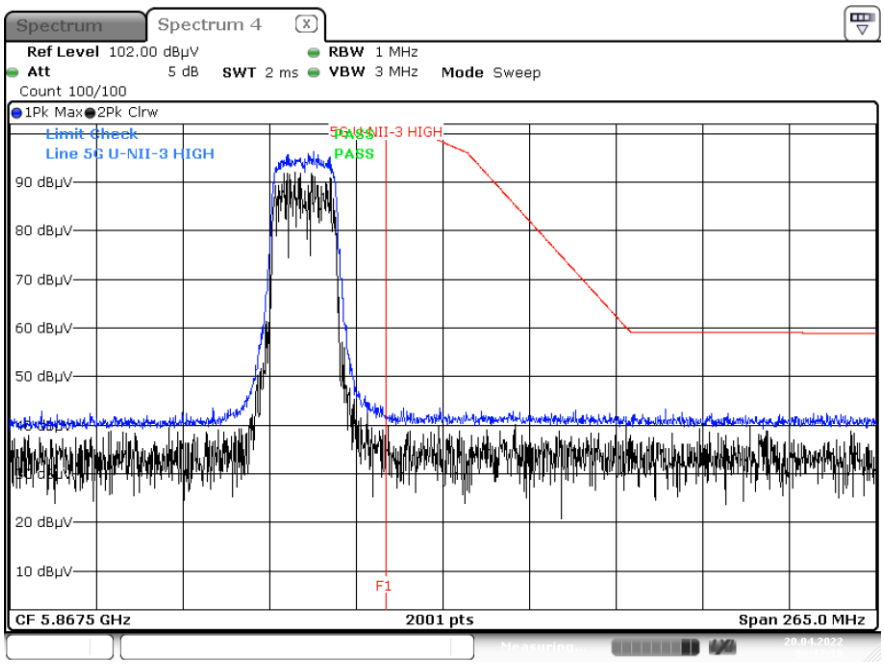
Peak result (802.11ax(HE80), Ch.155, 484 Tone RU 65, Y-V)



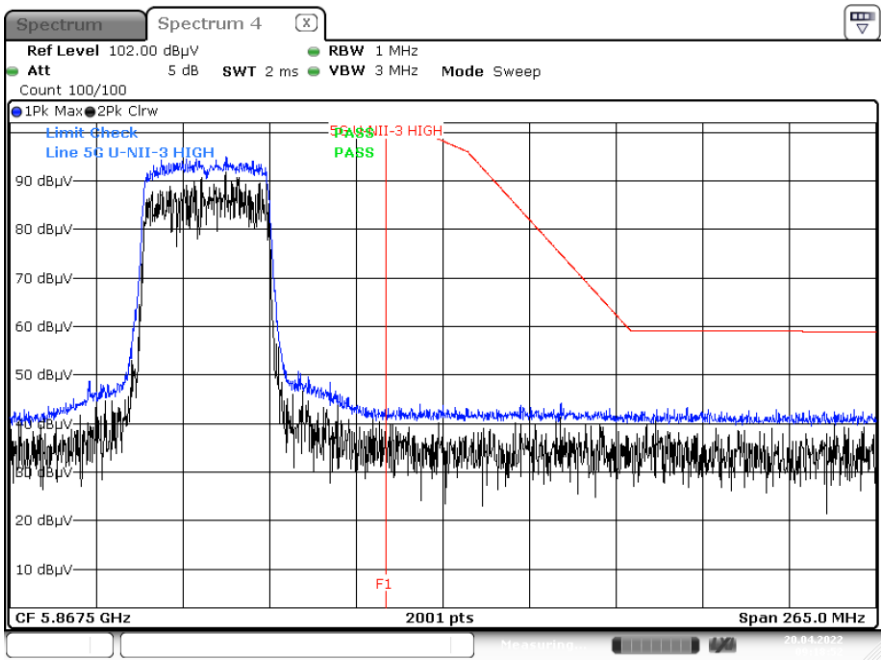
▣ Test Plots(UNII 3)_High Edge

[MIMO]

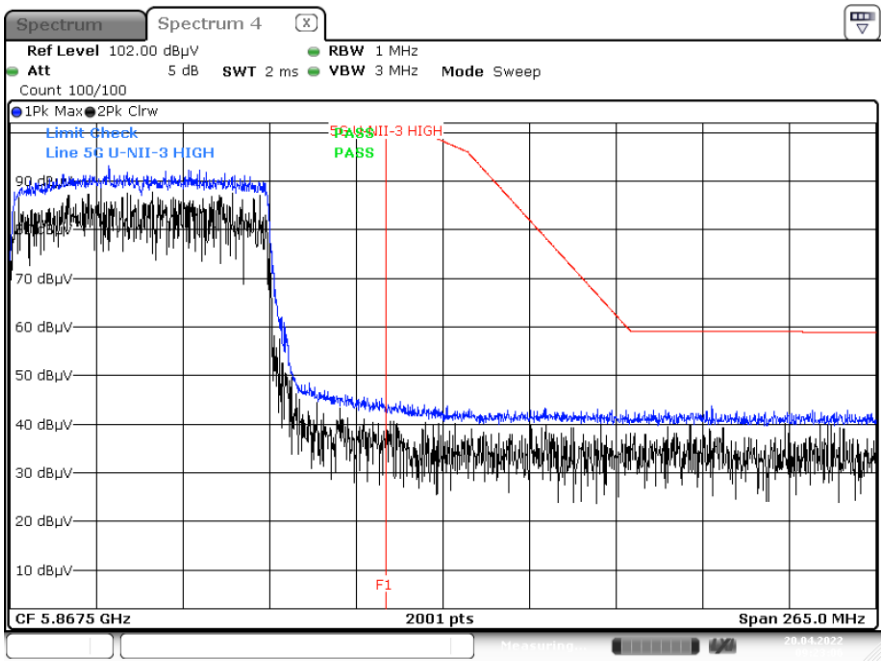
Peak result (802.11ax(HE20), Ch.165, SU, Y-V)



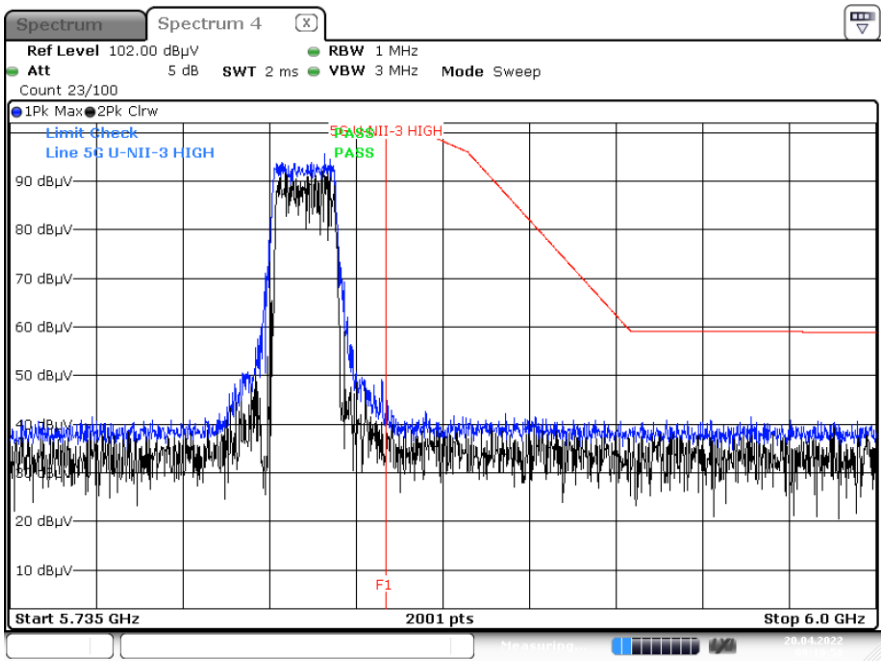
Peak result (802.11ax(HE40), Ch.159, SU, Y-V)



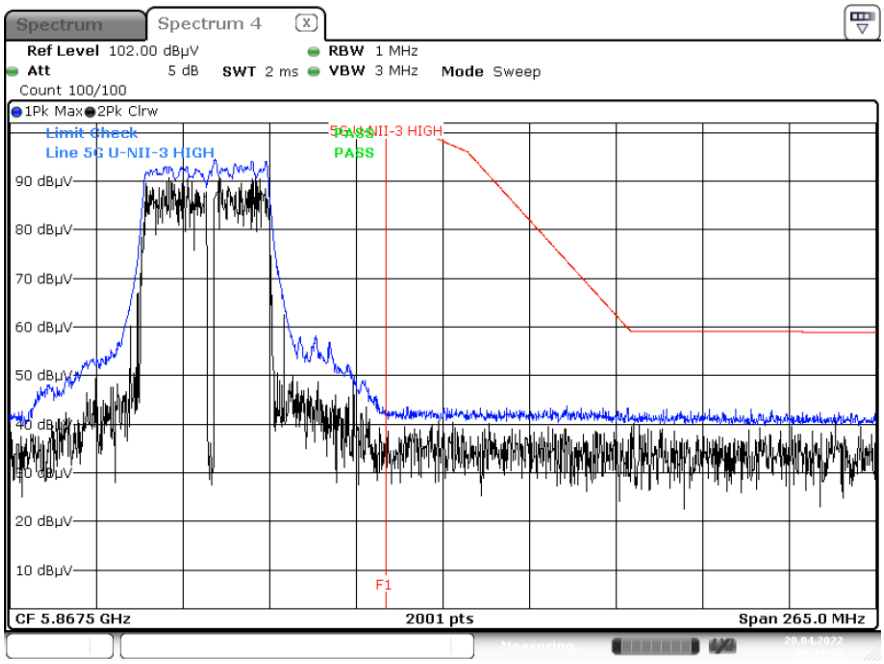
Peak result (802.11ax(HE80), Ch.155, SU, Y-V)



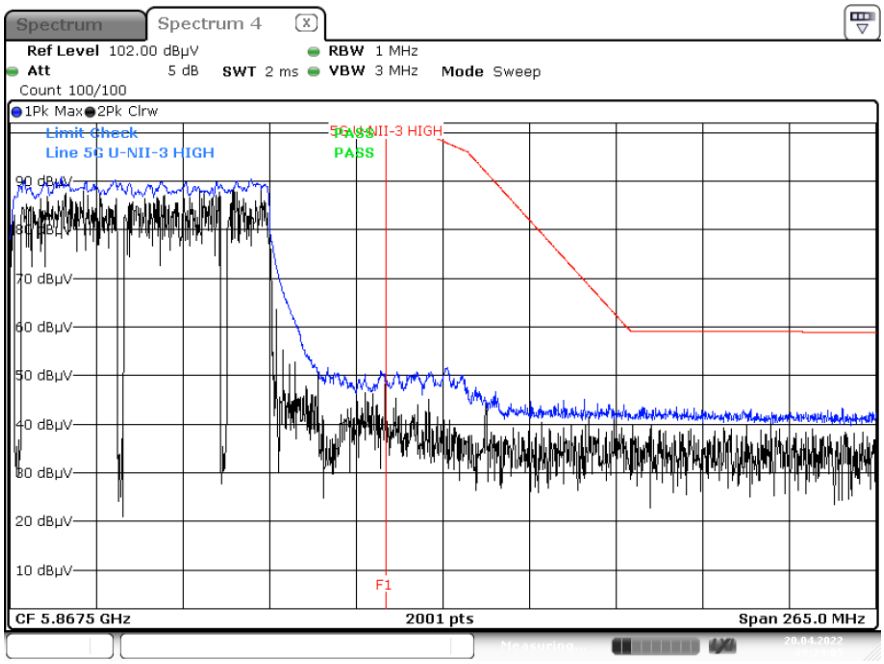
Peak result (802.11ax(HE20), Ch.165, 242 Tone RU 61, Y-V)



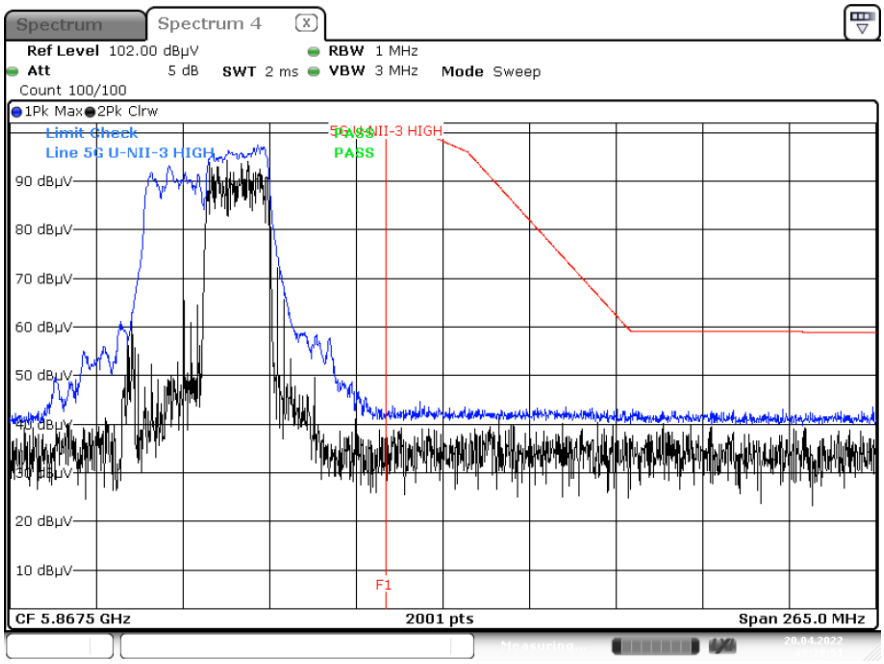
Peak result (802.11ax(HE40), Ch.159, 484 Tone RU 65, Y-V)



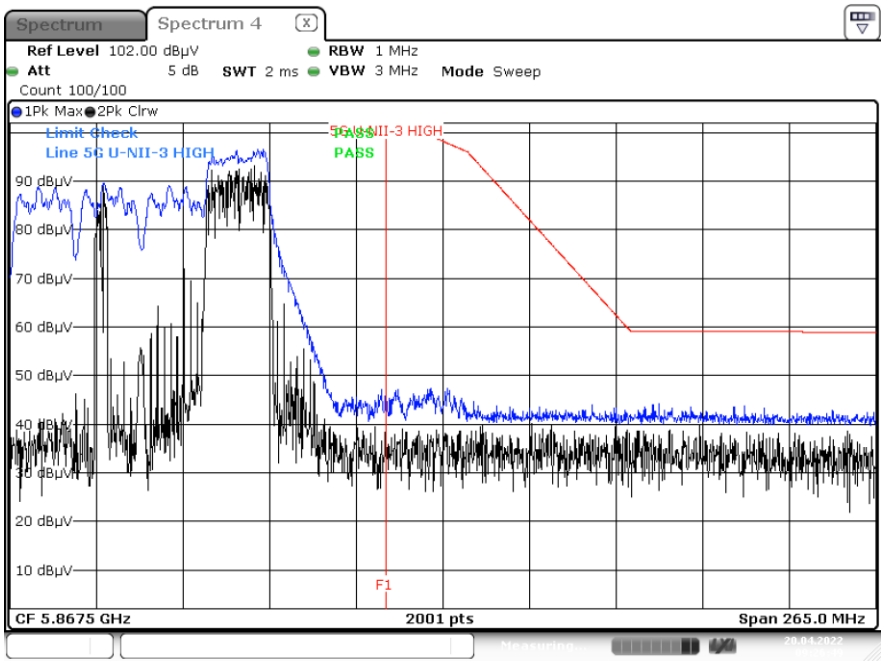
Peak result (802.11ax(HE80), Ch.155, 996 Tone RU 67, Y-V)



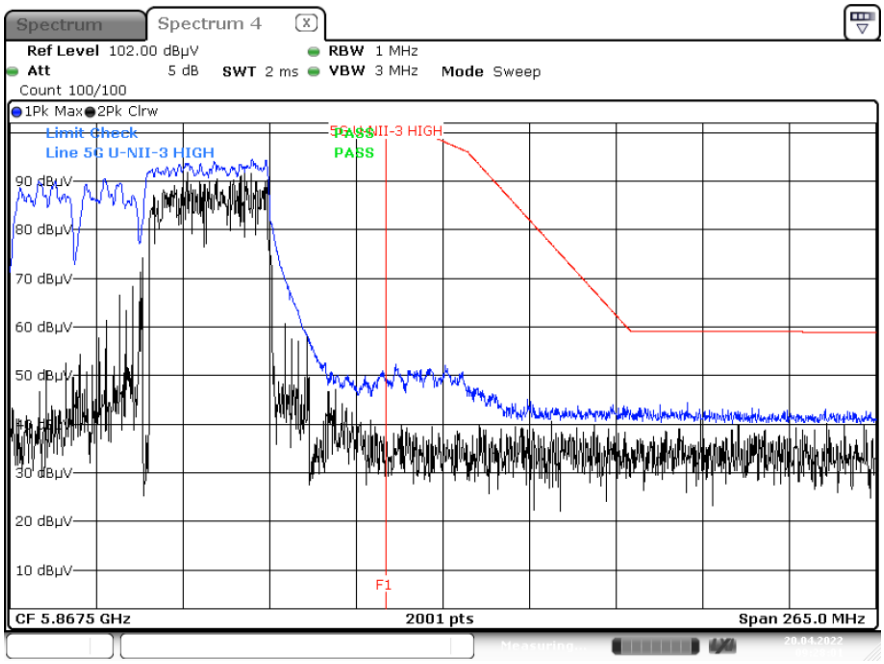
Peak result (802.11ax(HE40), Ch.159, 242 Tone RU 62, Y-V)



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	MY49432108	03/08/2023	Annual
Power Meter	N1911A	Agilent	MY45100523	03/24/2023	Annual
Power Sensor	N1921A	Agilent	MY57820067	03/24/2023	Annual
Directional Coupler	87300B	Agilent	3116A03621	11/02/2022	Annual
Power Splitter	11667B	Hewlett Packard	10545	02/03/2023	Annual
DC Power Supply	E3632A	HP	KR75303243	04/25/2023	Annual
Attenuator(10 dB)(DC-26.5 GHz)	8493C	HP	07560	06/18/2022	Annual
Attenuator(10 dB)(DC-26.5 GHz)	8493C	HP	08285	06/28/2022	Annual
Attenuator(20 dB)	18N-20dB	Rohde & Schwarz	8	03/07/2023	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
EM1000 / Controller	EM1000	Audix	060520	N/A	N/A
Turn Table	N/A	Audix	N/A	N/A	N/A
Amp &Filter Bank Switch Controller	FBSM-01B	TNM system	TM19050002	N/A	N/A
Loop Antenna	FMZB 1513	Rohde & Schwarz	1513-333	03/17/2024	Biennial
Hybrid Antenna	VULB 9168	Schwarzbeck	9168-0895	09/04/2022	Biennial
Horn Antenna	BBHA 9120D	Schwarzbeck	9120D-1300	01/18/2024	Biennial
Horn Antenna(15 GHz ~ 40 GHz)	BBHA9170	Schwarzbeck	BBHA9170124	04/12/2023	Biennial
Spectrum Analyzer	FSV(10 Hz ~ 40 GHz)	Rohde & Schwarz	101055	05/14/2022	Annual
Band Reject Filter	WRCJV2400/2483.5-2370/2520-60/12SS	Wainwright Instruments	2	01/06/2023	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
High Pass Filter(7 GHz ~ 18 GHz)	WHKX10-7150-8000-18000-50SS	Wainwright Instruments	1	03/11/2023	Annual
Power Amplifier	CBL18265035	CERNEX	22966	12/02/2022	Annual
Power Amplifier	CBL26405040	CERNEX	25956	03/11/2023	Annual
Bluetooth Tester	TC-3000C	TESCOM	3000C000175	04/05/2023	Annual
HPF(3~18GHz) + LNA1(1~18GHz)	FMSR-05B	TNM system	F6	01/19/2023	Annual
ATT(10dB) + LNA1(1~18GHz)	FMSR -05B	TNM system	None	01/19/2023	Annual
ATT(3dB) + LNA1(1~18GHz)	FMSR -05B	TNM system	None	01/19/2023	Annual
LNA1(1~18GHz)	FMSR -05B	TNM system	25540	01/19/2023	Annual
HPF(7~18GHz) + LNA2(6~18GHz)	FMSR -05B	TNM system	28550	01/19/2023	Annual
Thru(30MHz ~ 18GHz)	FMSR -05B	TNM system	None	01/19/2023	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-FC051-P