TEST REPORT

FCC UNII ax Test for SM-S721U
Certification

APPLICANT
SAMSUNG Electronics Co., Ltd.

REPORT NO.
HCT-RF-2407-FC048

DATE OF ISSUE
July 23, 2024

Tested by
Chang Hee Hwang

Technical Manager
Jong Seok Lee

HCT CO., LTD.
BongJai Huh / CEO

HCT CO., LTD. 2-6, 73, 74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, 17383 KOREA Tel. +82 31 645 6300 Fax. +82 31 645 6401

HCT CO.,LTD.
2-6, 73, 74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, 17383 KOREA
Tel. +82 31 645 6300 Fax. +82 31 645 6401

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Additional Model
SM-S721U1

Applicant	**SAMSUNG Electronics Co., Ltd.** 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Rep. of Korea
Product Name Model Name	Mobile Phone SM-S721U
FCC ID	A3LSMS721U
Date of Test	June 03, 2024 ~ July 23, 2024
FCC Classification	Unlicensed National Information Infrastructure(NII)
Test Standard Used	FCC Rule Part(s): Part 15.407
Test Results	PASS
Location of Test	■ Permanent Testing Lab ☐ On Site Testing Lab (Address: 74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, Republic of Korea)

REVISION HISTORY

The revision history for this test report is shown in table.

Revision No.	Date of Issue	Description
0	July 23, 2024	Initial Release

Notice

Content
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. The results shown in this test report only apply to the sample(s), as received, provided by the applicant, unless otherwise stated. The test results have only been applied with the test methods required by the standard(s). The laboratory is not accredited for the test results marked *. Information provided by the applicant is marked **. Test results provided by external providers are marked ***. When confirmation of authenticity of this test report is required, please contact www.hct.co.kr The test results in this test report are not associated with the ((KS Q) ISO/IEC 17025) accreditation by KOLAS (Korea Laboratory Accreditation Scheme) / A2LA (American Association for Laboratory Accreditation) that are under the ILAC (International Laboratory Accreditation Cooperation) Mutual Recognition Agreement (MRA).

CONTENTS

1. GENERAL INFORMATION

EUT DESCRIPTION

Model	SM-S721U	
Additional Model	SM-S721U1	
EUT Type	Mobile Phone	
Power Supply	DC 3.88 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
	U-NII-4	20 MHz BW : 5845 - 5885 40 MHz BW : 5835 - 5875 80 MHz BW : 5855 160 MHz BW : 5815
Straddle channel	Supported	
TDWR Band	Supported	
Dynamic Frequency Selection	Slave without radar detection	
Antenna Specification	Type: Metal	
Serial number	Conducted : R3CX40SW80J Radiated : 67d5097187197ece	

ANTENNA CONFIGURATIONS

1. Antenna configuration

Configurations	SISO		MIMO	
	Ant.1	Ant.2	CDD	SDM
802.11ax (HE20/40/80/160)	O	O	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

2.This device supports simultaneous transmission operation, which allows for two channels to operate independent of one another in the 2.4 GHz and 5 GHz or 6GHz Bands simultaneously on each antenna.

RSDB Scenario	2.4 GHz WiFi Ant.1	2.4 GHz WiFi Ant.2	5 GHz WiFi Ant.1	5 GHz WiFi Ant.2	6 GHz WiFi Ant.1	6 GHz WiFi Ant.2	BT Ant.1	BT Ant.2	Test Case
Dual Bluetooth + 5 GHz WiFi MIMO			on	on			on	on	Scenario1
Dual Bluetooth + 6 GHz WiFi MIMO					on	on	on	on	
2.4 GHz WiFi MIMO + 5 GHz WiFi MIMO	on	on	on	on					Scenario2
2.4 GHz WiFi MIMO + 6 GHz WiFi MIMO	on	on			on	on			
Bluetooth ANT.1 + 2.4 GHz WiFi ANT.2 + 5 GHz WiFi MIMO		on	on	on			on		Scenario3
Bluetooth ANT.1 + 2.4 GHz WiFi ANT.2 + 6 GHz WiFi MIMO		on			on	on	on		

3. Directional Gain Calculation

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

$$\text{Directional Gain(CDD)} = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\{\sum_{k=1}^{N_{ANT}} g_{j,k}\}^2}{N_{ANT}}\right]$$

Directional gain(SDM) = Gmax + 10·LOG(N_{ANT}/ N_{ss})

Band	Ant Gain (dBi)		N_{ANT}/ N_{ss}	Directional Gain (dBi)	
	ANT1	ANT2		CDD	SDM
UNII 1	-2.20	-2.34	2 / 2	0.74	-1.84
UNII 2A	-1.84	-3.56		0.35	-1.84
UNII 2C	-2.48	-3.70		-0.06	-2.48
UNII 3	-2.65	-3.88		-0.23	-2.65
UNII 4	-2.35	-4.08		-0.16	-2.35

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(CDD) = 10·log(((10$^{(ANT1\ Gain/20)}$+10$^{(ANT2\ Gain/20)}$)^2)/2) dBi

Directional gain(SDM) = Gmax + 10·LOG(N_{ANT}/ N_{ss})

Sample Calculation (Conducted Power, MIMO):

Ex) ANT1 : 11.58 dBm ANT2 : 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 Calculation (E.I.R.P & E.I.R.P Spectral Density, MIMO):

Ex) ANT1 : 15.35 dBm , ANT2 : 15.12 dBm, Directional Gain : 3 dBi

Conducted Power = (15.35 dBm + 15.12 dBm) = (34.276 mW + 32.508 mW) = 66.784 mW = 18.25 dBm

E.I.R.P = 18.25 dBm + 3 dBi = 21.25 dBm

2. MAXIMUM OUTPUT POWER

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

Band	Mode	MIMO_CDD(Ant.1+ Ant.2)					
		Ant.1 Power		Ant.2 Power		(Ant.1 + Ant.2) Power	
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)
UNII1	802.11ax(HE20)	16.97	0.050	17.05	0.051	20.02	0.100
	802.11ax(HE40)	17.02	0.050	17.07	0.051	20.06	0.101
	802.11ax(HE80)	14.83	0.030	15.05	0.032	17.95	0.062
UNII2A	802.11ax(HE20)	17.22	0.053	17.03	0.050	20.13	0.103
	802.11ax(HE40)	17.18	0.052	16.99	0.050	20.10	0.102
	802.11ax(HE80)	15.23	0.033	15.35	0.034	18.30	0.068
UNII1&2A	802.11ax(HE160)	14.53	0.028	14.55	0.028	17.55	0.057
UNII2C	802.11ax(HE20)	17.70	0.059	17.21	0.053	20.47	0.111
	802.11ax(HE40)	17.42	0.055	17.38	0.055	20.41	0.110
	802.11ax(HE80)	16.48	0.044	16.39	0.044	19.45	0.088
	802.11ax(HE160)	15.29	0.034	15.28	0.034	18.30	0.068
UNII3	802.11ax(HE20)	17.86	0.061	17.36	0.054	20.63	0.116
	802.11ax(HE40)	17.41	0.055	17.25	0.053	20.34	0.108
	802.11ax(HE80)	16.55	0.045	16.16	0.041	19.37	0.086
UNII4	802.11ax(HE20)	17.75	0.060	17.29	0.054	20.54	0.113
	802.11ax(HE40)	17.97	0.063	17.34	0.054	20.67	0.117
	802.11ax(HE80)	17.39	0.055	17.41	0.055	20.41	0.110
UNII3&4	802.11ax(HE160)	15.71	0.037	15.40	0.035	18.57	0.072

Band	Mode	MIMO_CDD(Ant.1+ Ant.2)			
		(Ant.1 + Ant.2) Power		(Ant.1 + Ant.2) EIRP Power	
		(dBm)	ANT Gain(dBi)	(dBm)	(W)
UNII4	802.11ax (HE20)	20.54	-0.16	20.38	0.109
	802.11ax (HE40)	20.67	-0.16	20.51	0.113
	802.11ax (HE80)	20.41	-0.16	20.25	0.106
UNII4	802.11ax (HE160)	18.57	-0.16	18.41	0.069

3. TEST METHODOLOGY

The measurement procedure described in FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01 dated December 14, 2017 entitled “Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part15, Subpart E” and ANSI C63.10(Version : 2013) ‘the American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices’ were used in the measurement. Additionally, for U-NII-4 band, use the following measurement procedure KDB 291074 D02 EMC Measurement v01.

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 ANSI 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 March 11, 2024 (Registration Number: KR0032).

5.2 EQUIPMENT

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

6. ANTENNA REQUIREMENTS

According to FCC 47 CFR § 15.203, § 15.407:

"An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section."

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

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

7. MEASUREMENT UNCERTAINTY

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

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

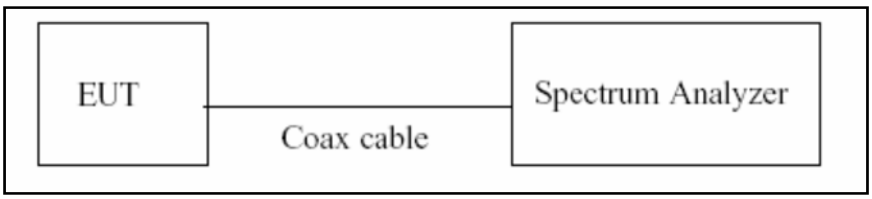
The measurement data shown herein meets or exceeds the U_{CISPR} measurement uncertainty values specified in CISPR 16-4-2 and, thus, can be compared directly to specified limits to determine compliance.

Parameter	Expanded Uncertainty (dB)
Conducted Disturbance (150 kHz ~ 30 MHz)	1.98 (Confidence level about 95 %, k=2)
Radiated Disturbance (9 kHz ~ 30 MHz)	4.36 (Confidence level about 95 %, k=2)
Radiated Disturbance (30 MHz ~ 1 GHz)	5.70 (Confidence level about 95 %, k=2)
Radiated Disturbance (1 GHz ~ 18 GHz)	5.52 (Confidence level about 95 %, k=2)
Radiated Disturbance (18 GHz ~ 40 GHz)	5.66 (Confidence level about 95 %, k=2)
Radiated Disturbance (Above 40 GHz)	5.58 (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.

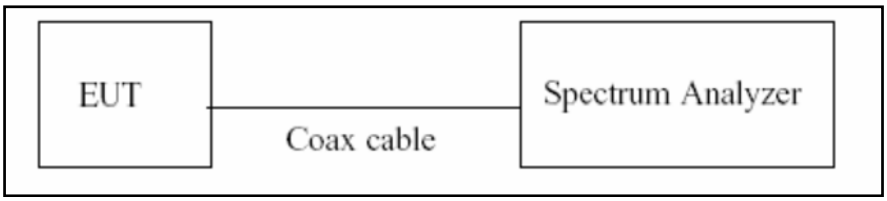
1. RBW = 8 MHz (the largest available value)
2. VBW = 8 MHz (≥ RBW)
3. SPAN = 0 Hz
4. Detector = Peak
5. Number of points in sweep > 100
6. Trace mode = Clear write
7. Measure T_{total} and T_{on}
8. Calculate Duty Cycle = T_{on}/ T_{total} and Duty Cycle Factor = 10log(1/Duty Cycle)

8.2. 6 dB Bandwidth & 26 dB Bandwidth

Limit

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

Test Configuration



Test Procedure(26 dB Bandwidth)

The transmitter output is connected to the Spectrum Analyzer.

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

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

Test Procedure (6 dB Bandwidth)

The transmitter output is connected to the Spectrum Analyzer.

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

1. RBW = 100 kHz
2. VBW ≥ 3 x RBW
3. Detector = Peak
4. Trace mode = Max Hold
5. Allow the trace to stabilize
6. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points(upper and lower frequencies) that are attenuated by 6 dB relative to the maximum lever measured in the fundamental emission.

Note:

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

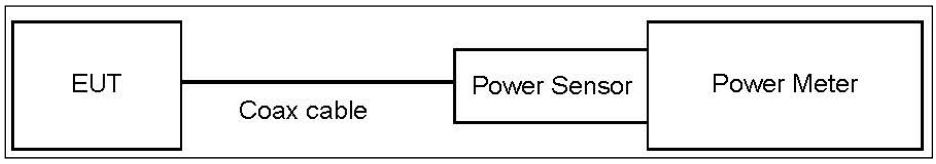
8.3. Output Power Measurement

Limit

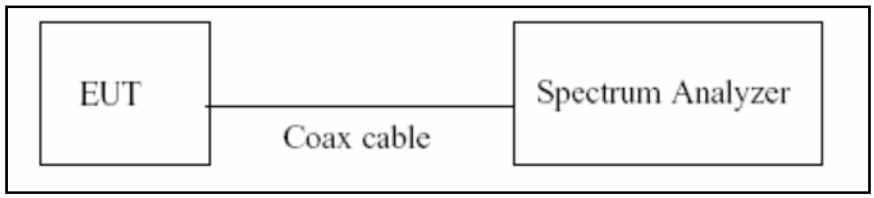
Band	Limit
UNII 1	- Master : Not exceed 1 W(=30 dBm) - Slave : Not exceed 250 mW(=23.98 dBm)
UNII 2A, 2C	Not exceed the lesser of 250 mW or 11 dBm + 10 log B, (where B is the 26 dB emission bandwidth in megahertz.)
UNII 3	Not exceed 1 W(=30 dBm)
UNII 4	EIRP 30 dBm

Test Configuration

Power Meter



Spectrum Analyzer(Only Straddle Channel)



Test Procedure(Power Meter)

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

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

Test Procedure(Spectrum Analyzer)

The transmitter output is connected to the Spectrum Analyzer.

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

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

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

Sample Calculation

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

Note

1. Spectrum Measured Values are not plot data.
   The power results in plot is already including the actual values of loss for the attenuator and cable combination.
2. Spectrum offset Attenuator loss(10 dB) + Cable loss + EUT Cable Loss(0.15 dB)
3. Actual value of loss for the attenuator and cable combination is below table.

Band	Loss(dB)
UNII 1	10.95
UNII 2A	10.95
UNII 2C	10.95
UNII 3&4	10.95

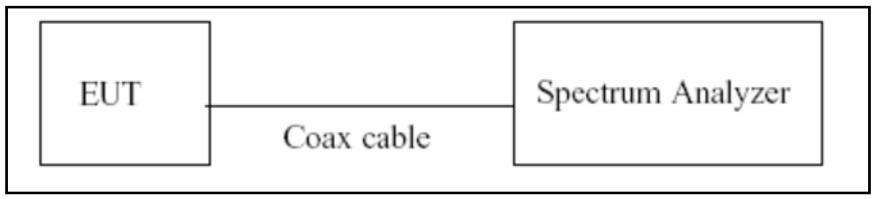
(Actual value of loss for the attenuator and cable combination)

8.4. Power Spectral Density

Limit

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

Test Configuration



Test Procedure

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

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

Sample Calculation

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

Note

1. Spectrum Measured Values are not plot data.
   The PSD results in plot is already including the actual values of loss for the attenuator and cable combination.
2. Spectrum offset Attenuator loss(10 dB) + Cable loss + EUT Cable Loss(0.15 dB)
3. Actual value of loss for the attenuator and cable combination is below table.

Band	Loss(dB)
UNII 1	10.95
UNII 2A	10.95
UNII 2C	10.95
UNII 3&4	10.95

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

8.5. AC Power line Conducted Emissions

Limit

For an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 μH/50 ohms line impedance stabilization network (LISN).

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

[a]Decreases with the logarithm of the frequency.

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

Test Configuration

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

Test Procedure

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

Sample Calculation

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

8.6. Radiated Test

Limit

1. UNII 1: All emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of −27 dBm/MHz.
2. UNII 2A, 2C: All emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of −27 dBm/MHz.
3. UNII 3: All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
4. UNII 4: [Low Channel O.O.B.E] measured with a Peak detector

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

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

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

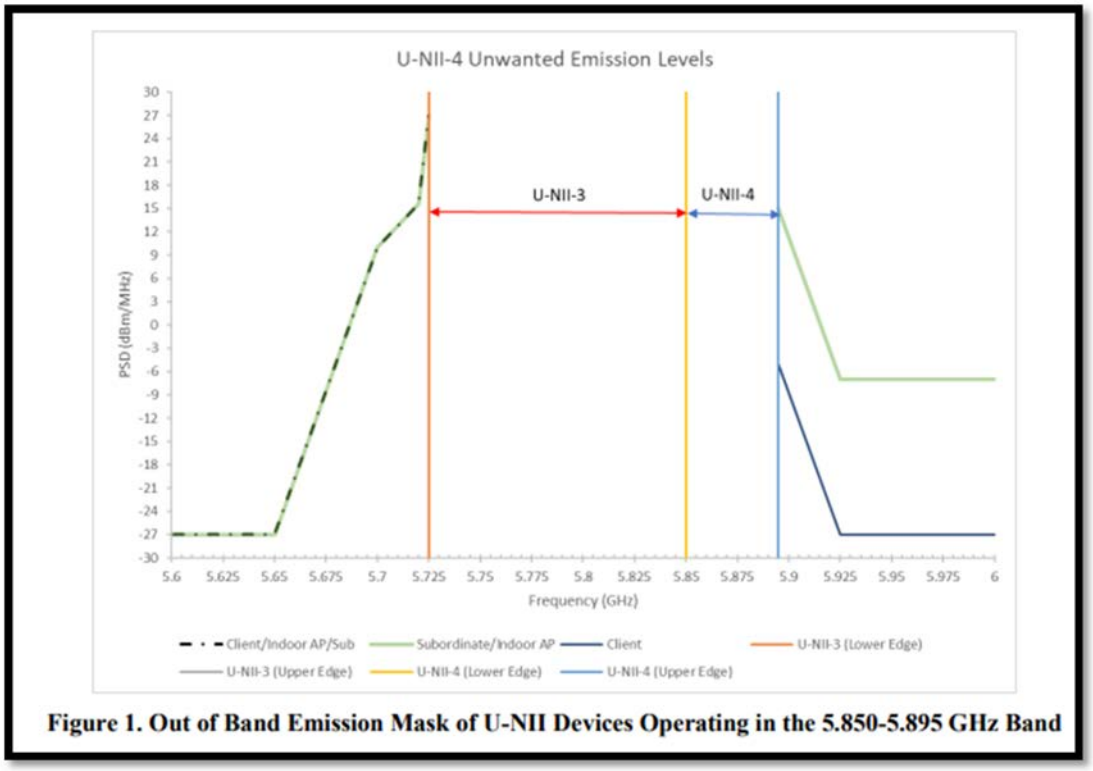


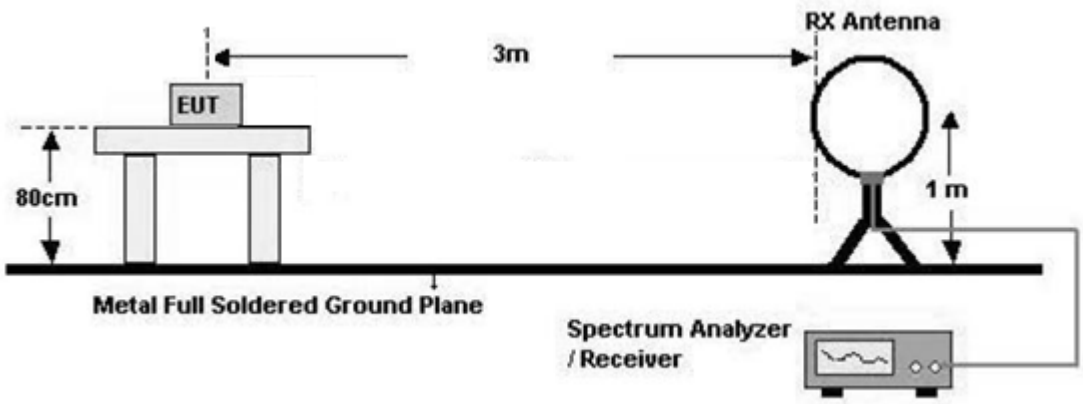
Figure 1. Out of Band Emission Mask of U-NII Devices Operating in the 5.850-5.895 GHz Band

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

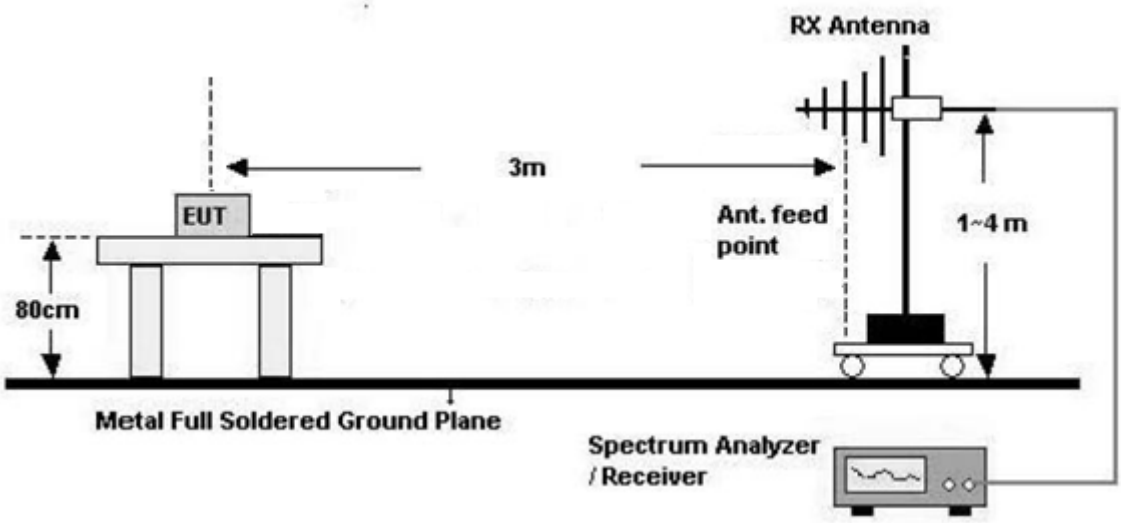
Frequency (MHz)	Field Strength (μV/m)	Measurement Distance (m)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Test Configuration

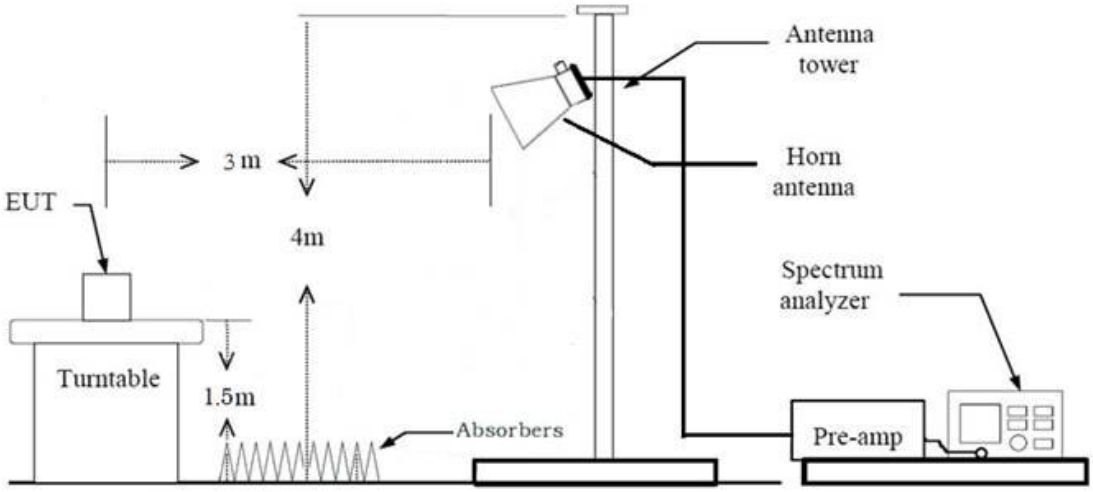
Below 30 MHz



30 MHz - 1 GHz



Above 1 GHz



Test Procedure of Radiated spurious emissions(Below 30 MHz)

1. The EUT was placed on a non-conductive table located on semi-anechoic chamber.
2. The loop antenna was placed at a location 3 m from the EUT
3. The EUT is placed on a turntable, which is 0.8m 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(A.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	0.996	0.016	0.218	1 000
	52	MCS0	0.996	0.019	0.219	1 000
	106	MCS0	0.993	0.032	0.402	1 000
	242	MCS0	0.986	0.063	0.890	1 000
802.11ax (HE40)	26	MCS0	0.996	0.019	0.219	1 000
	52	MCS0	0.996	0.019	0.219	1 000
	106	MCS0	0.993	0.031	0.402	1 000
	242	MCS0	0.985	0.067	0.891	1 000
	484	MCS0	0.973	0.119	1.645	3 000
802.11ax (HE80)	26	MCS0	0.995	0.020	0.219	1 000
	52	MCS0	0.996	0.019	0.219	1 000
	106	MCS0	0.994	0.028	0.402	1 000
	242	MCS0	0.985	0.068	0.891	1 000
	484	MCS0	0.973	0.119	1.645	3 000
	996	MCS0	0.973	0.121	1.666	3 000
802.11ax (HE160)	26	MCS0	0.997	0.014	0.218	1 000
	52	MCS0	0.996	0.019	0.219	1 000
	106	MCS0	0.992	0.033	0.402	1 000
	242	MCS0	0.984	0.068	0.891	1 000
	484	MCS0	0.973	0.119	1.645	3 000
	996	MCS0	0.973	0.120	1.667	3 000
	2x996	MCS0	0.996	0.016	0.184	1 000
802.11ax (SU)	BW 20	MCS0	0.997	0.013	0.184	1 000
	BW 40	MCS0	0.996	0.016	0.184	1 000
	BW 80	MCS0	0.997	0.012	0.184	1 000
	BW 160	MCS0	0.997	0.012	0.184	1 000

8.7. Test RU 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	-
	2x996	68	-	68	-

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-S721U, SM-S721U1 were tested and the worst case results are reported.
(Worst case: SM-S721U)

AC Power line Conducted Emissions

1. Please refer to the [UNII] Test Report.
2. SM-S721U, SM-S721U1 were tested and the worst case results are reported.
(Worst case: SM-S721U)

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. All data rate of operation were investigated and the worst case results are reported.
   (Worst case : MCS0)
3. All Antenna of operation were investigated and the worst case results are reported
   - Antenna Operation Type : SISO, MIMO_CDD(Ant.1+Ant.2), MIMO_SDM(Ant.1+Ant.2)
   - Worstcase : MIMO_CDD(Ant.1+Ant.2)
4. EUT Axis
   - Radiated Spurious Emissions : X
   - Radiated Restricted Band Edge : Y, X
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	WORST CASE[HE20]: 242T	Full Tone: 61
	[HE20]: SU	-
	[HE40]: 484T,SU	Full Tone: 65
	[HE80]: 996T,SU	Full Tone: 67
	[HE160]: 996Tx2, SU	Full Tone: 68
Band-Edge (UNII1,2A,2C)	WORST CASE[HE160]: 242T(80L) WORST CASE[HE160]: 996Tx2	61 68
	[HE20] : 242T,SU	Full Tone: 61
	[HE40] : 484T,SU	Full Tone: 65
	[HE80] : 996T,SU	Full Tone: 67
	[HE160] : 996T(80L&80U), 996Tx2, SU	Full Tone: 67 & 68
	[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)	All supported RU tones were tested, and please refer to the attached test plot reduced to the worst case.	
Band-Edge (UNII4)		

7. SM-S721U, SM-S721U1 were tested and the worst case results are reported.

(Worst case: SM-S721U)

Radiated test(RSDB)

1. Please refer to the [DTS], [BT], [UNII]Test Report.

2. SM-S721U, SM-S721U1 were tested and the worst case results are reported.

(Worst case: SM-S721U)

9. SUMMARY OF TEST RESULTS

Test Description	FCC Part Section(s)	Test Limit	Test Condition	Test Result
26 dB Bandwidth	§ 15.407 (for Power Measurement)	N/A	Conducted	PASS
6 dB Bandwidth	§ 15.407(e)	>500 kHz (5725-5850 MHz)(UNII-3) (5850-5895 MHz)(UNII-4)		PASS
Maximum Conducted Output Power	§ 15.407(a)(1),(2),(3)	< 250 mW(5150-5250 MHz) < 250 mW or 11+10log$_{10}$ (BW) dBm (5250-5350 MHz) < 250 mW or 11+10log$_{10}$ (BW) dBm (5470-5725 MHz) <1 W (5725-5850 MHz)		PASS
Maximum EIRP Output Power	§ 15.407(a)(1)(3)(iii)	< EIRP 30dBm (5850-5925 MHz)		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) < EIRP 14 dBm/MHz(5850-5925 MHz)		PASS
Frequency Stability	§ 15.407(g) § 2.1055	Maintained within the band		PASS (Note1)
AC Conducted Emissions 150 kHz-30 MHz	15.207 15.407(b)(8)	<FCC 15.207 limits		PASS (Note1)
Undesirable Emissions	§ 15.407(b) (1),(2),(3),(4) § 15.407(b)(5)(ii),(iii)	<-27 dBm/MHz EIRP (UNII1, 2A, 2C) cf. Section 8.6 (UNII 3&4)	Radiated	PASS
General Field Strength Limits(Restricted Bands and Radiated Emission Limits)	15.205, 15.407(b)(9),(10)	Emissions in restricted bands must meet the radiated limits detailed in 15.209		PASS

Note1:

1. Please refer to the [UNII] Test Report.

10. TEST RESULT

10.1 DUTY CYCLE

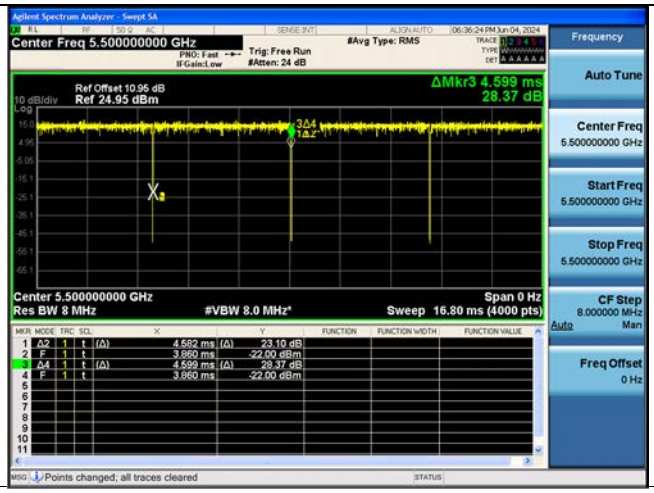
Mode	Tone	Worst Data rate (Mbps)	T_{on} (ms)	T_{total} (ms)	Duty Cycle	Duty Cycle Factor (dB)
802.11ax (HE20)	26	MCS0	4.582	4.599	0.996	0.016
	52	MCS0	4.570	4.590	0.996	0.019
	106	MCS0	2.490	2.508	0.993	0.032
	242	MCS0	1.124	1.140	0.986	0.063
802.11ax (HE40)	26	MCS0	4.575	4.595	0.996	0.019
	52	MCS0	4.565	4.585	0.996	0.019
	106	MCS0	2.490	2.508	0.993	0.031
	242	MCS0	1.123	1.140	0.985	0.067
	484	MCS0	0.608	0.625	0.973	0.119
802.11ax (HE80)	26	MCS0	4.576	4.597	0.995	0.020
	52	MCS0	4.565	4.585	0.996	0.019
	106	MCS0	2.490	2.506	0.994	0.028
	242	MCS0	1.122	1.140	0.985	0.068
	484	MCS0	0.608	0.625	0.973	0.119
	996	MCS0	0.600	0.617	0.973	0.121
802.11ax (HE160)	26	MCS0	4.580	4.595	0.997	0.014
	52	MCS0	4.565	4.585	0.996	0.019
	106	MCS0	2.490	2.509	0.992	0.033
	242	MCS0	1.122	1.140	0.984	0.068
	484	MCS0	0.608	0.625	0.973	0.119
	996	MCS0	0.600	0.617	0.973	0.120
	2x996	MCS0	5.447	5.467	0.996	0.016
802.11ax (SU)	BW 20	MCS0	5.447	5.464	0.997	0.013
	BW 40	MCS0	5.447	5.467	0.996	0.016
	BW 80	MCS0	5.447	5.462	0.997	0.012
	BW 160	MCS0	5.447	5.462	0.997	0.012

Note:

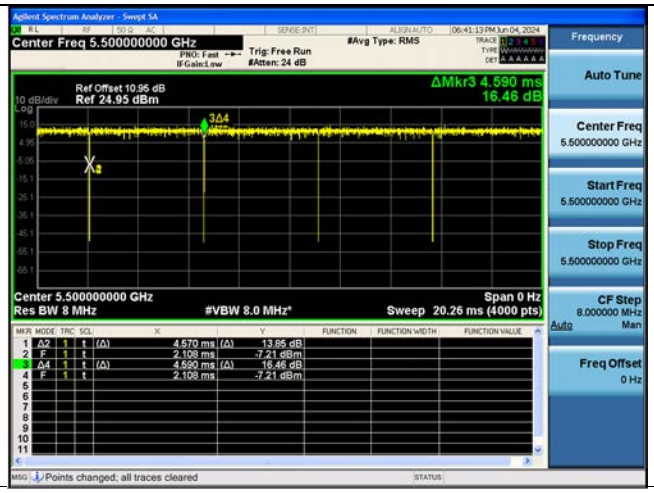
1. Duty Cycle Factor = 10·log(1/Duty Cycle). where, Duty Cycle = T_{on} / T_{total}

▣ **Test Plots**(Bandwidth 20M Ch.100(5500 MHz))

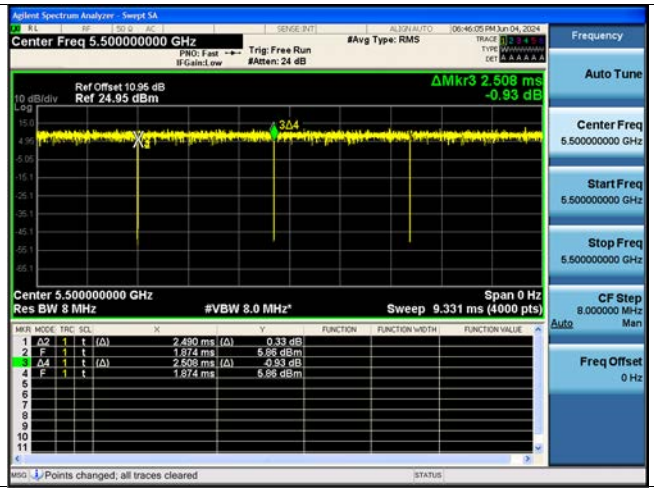
26Tone MCS0



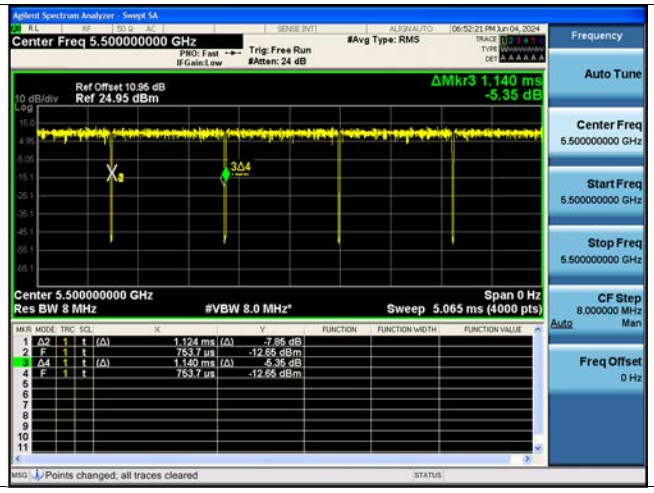
52Tone MCS0



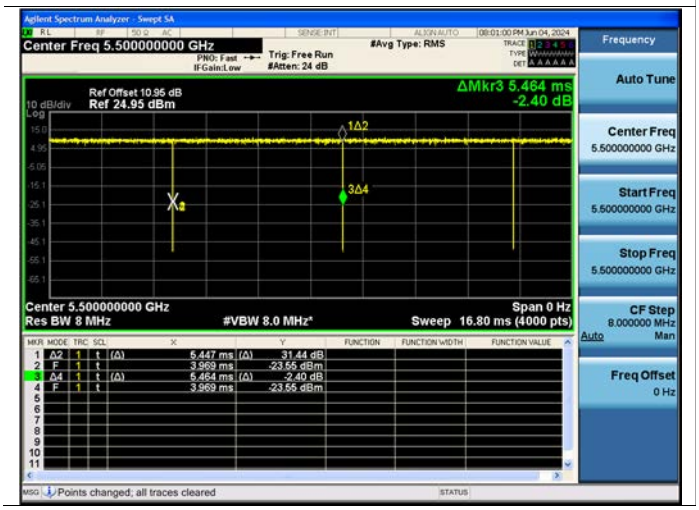
106Tone MCS0



242Tone MCS0

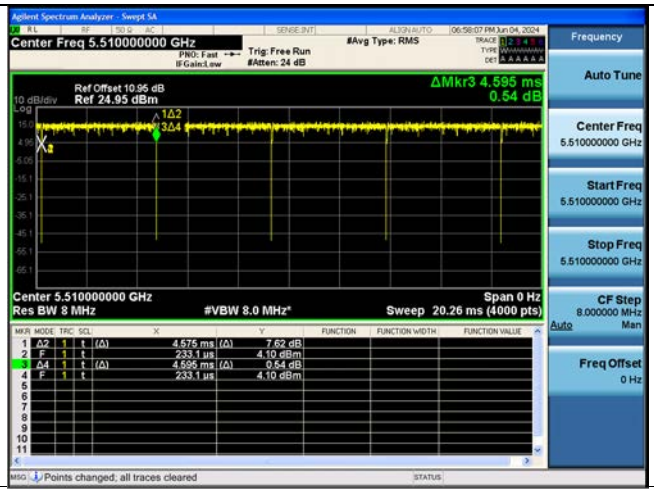


SU MCS0

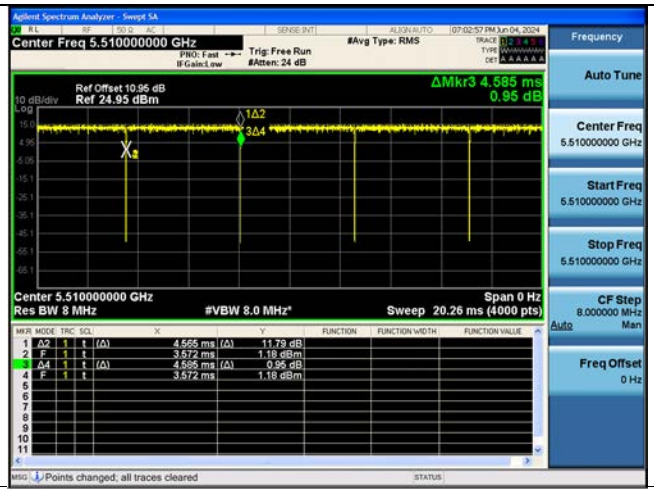


▣ **Test Plots**(Bandwidth 40M Ch.102(5510 MHz))

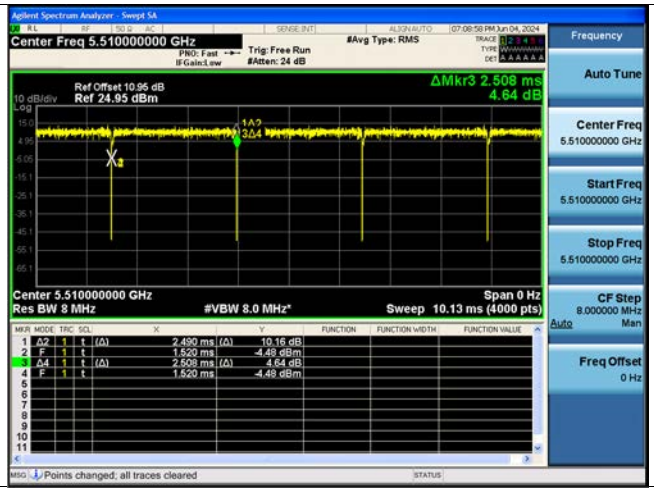
26Tone MCS0



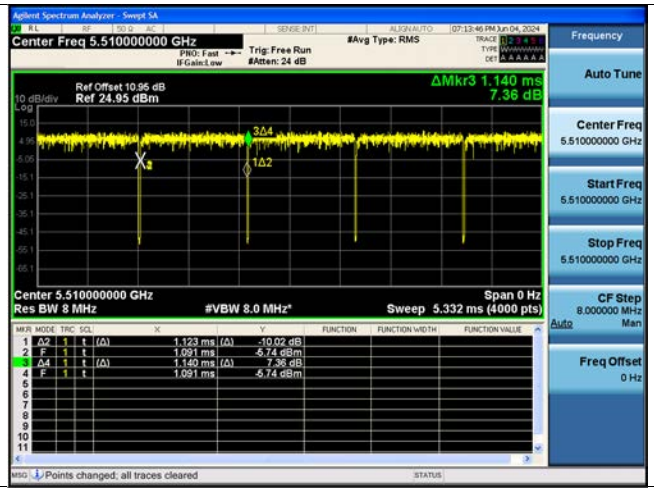
52Tone MCS0



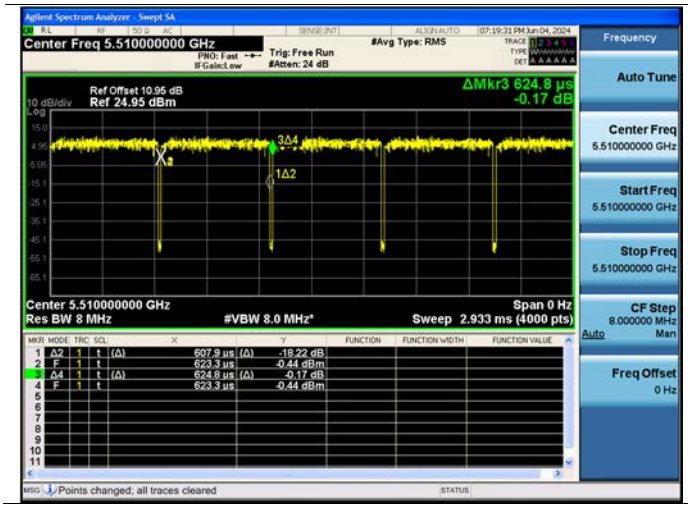
106Tone MCS0



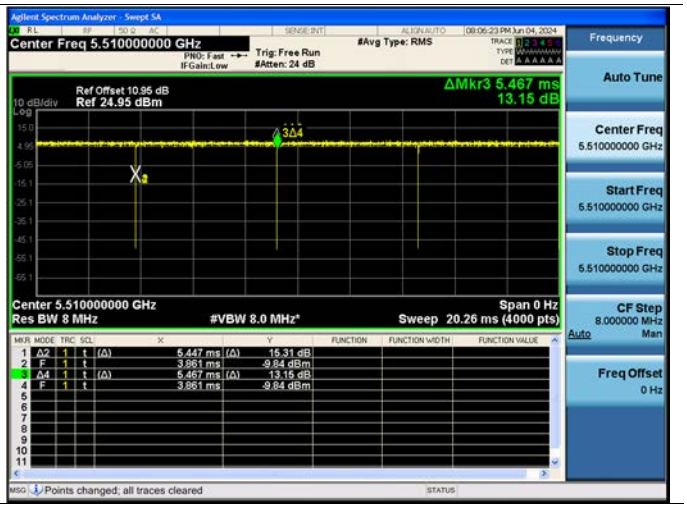
242Tone MCS0



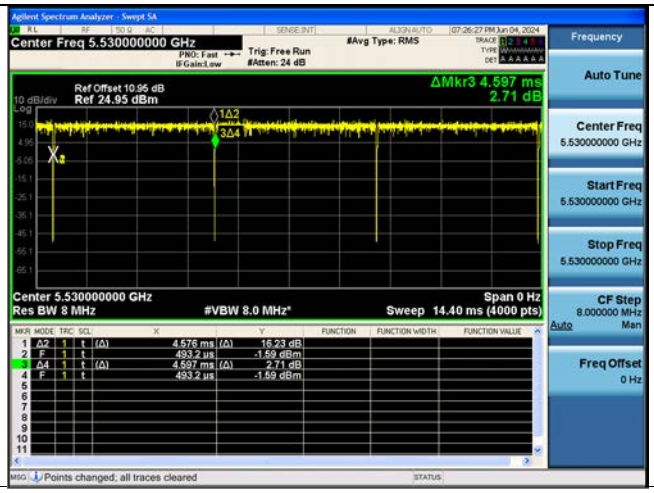
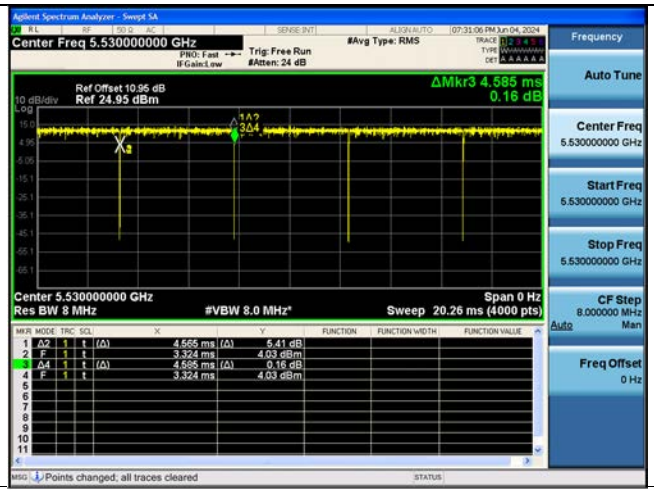
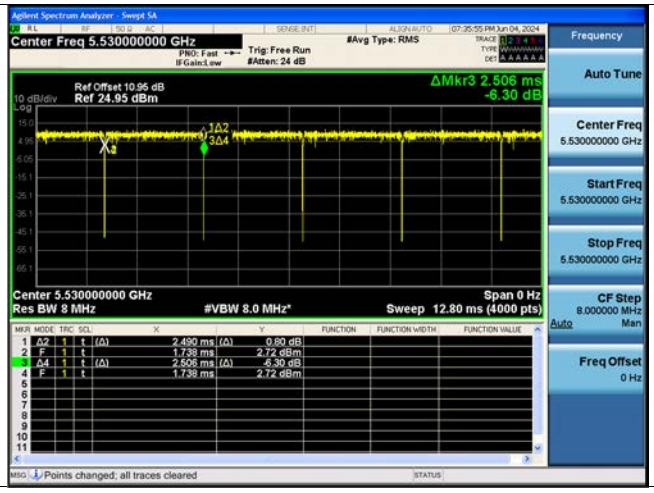
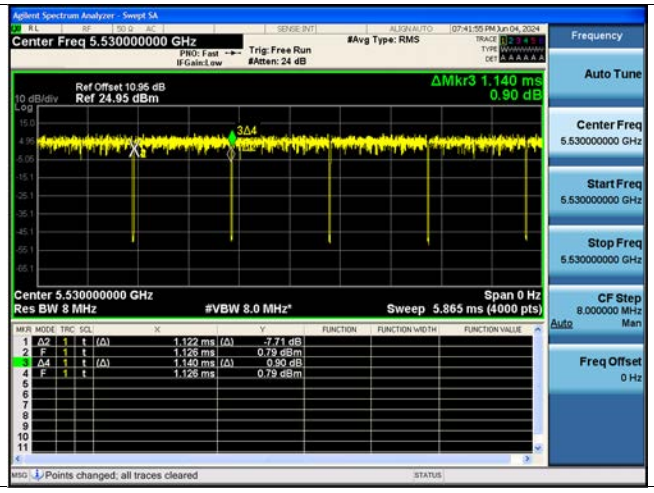
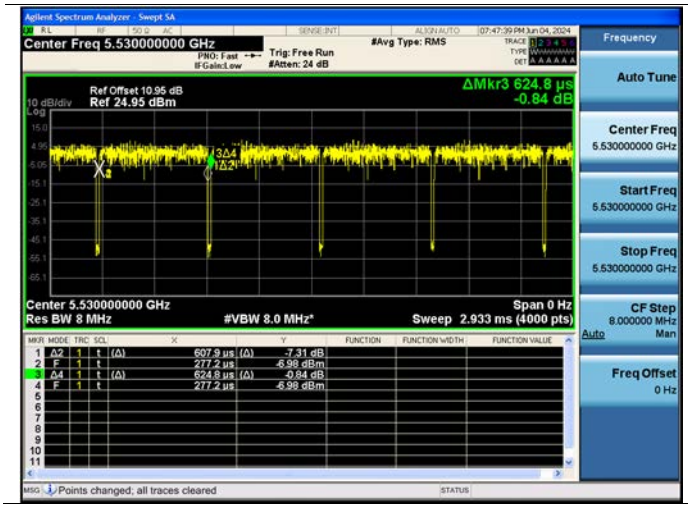
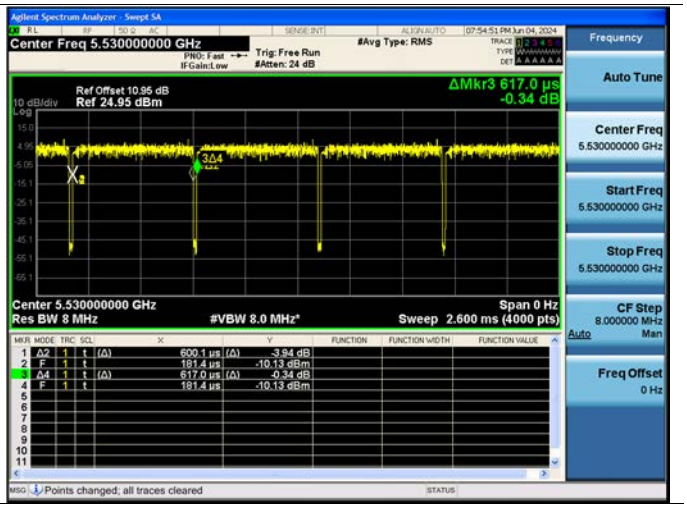
484Tone MCS0

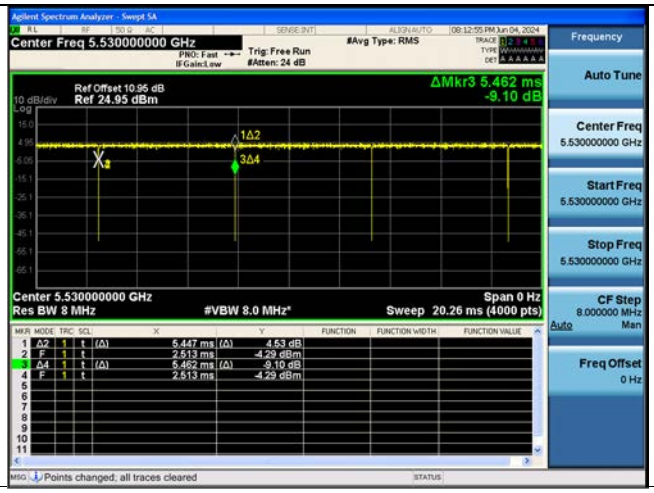


SU

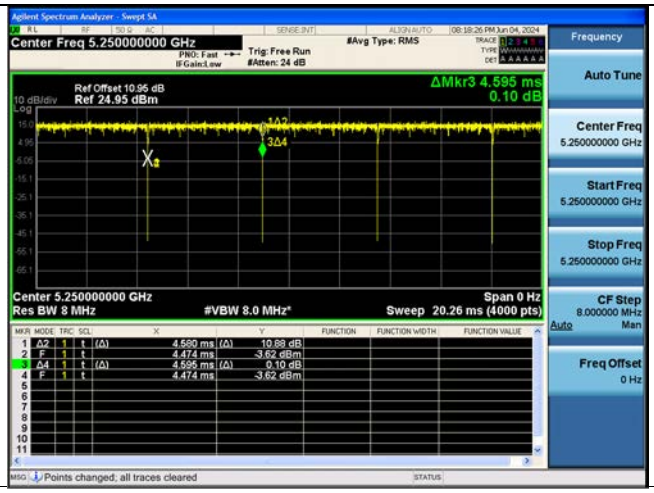
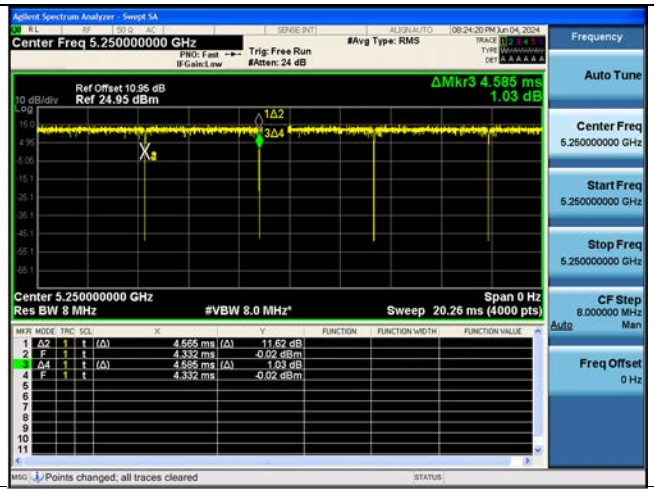
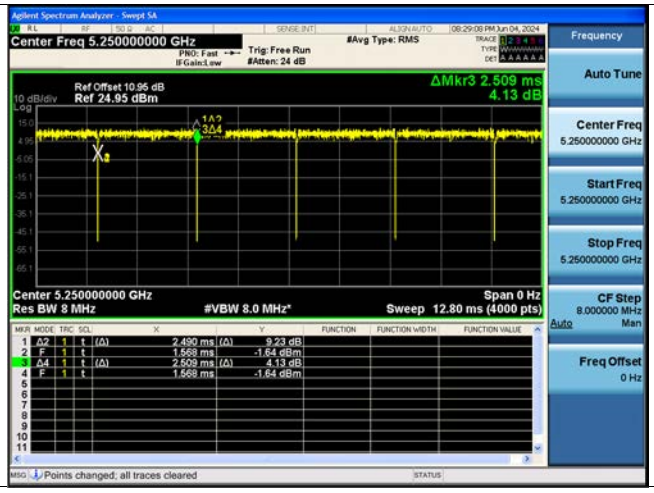
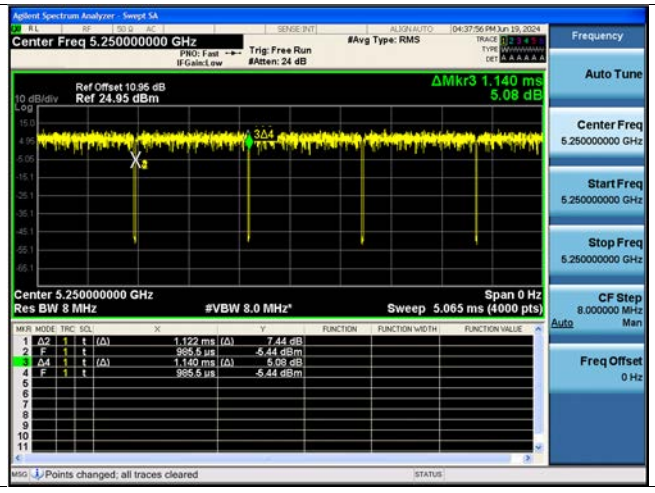
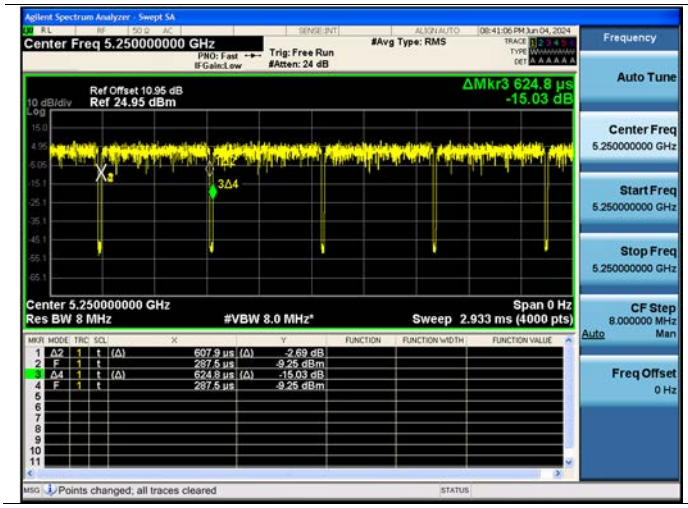
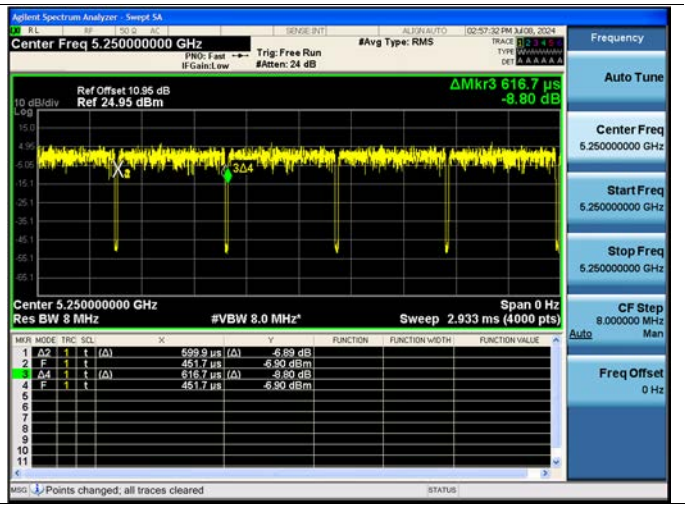


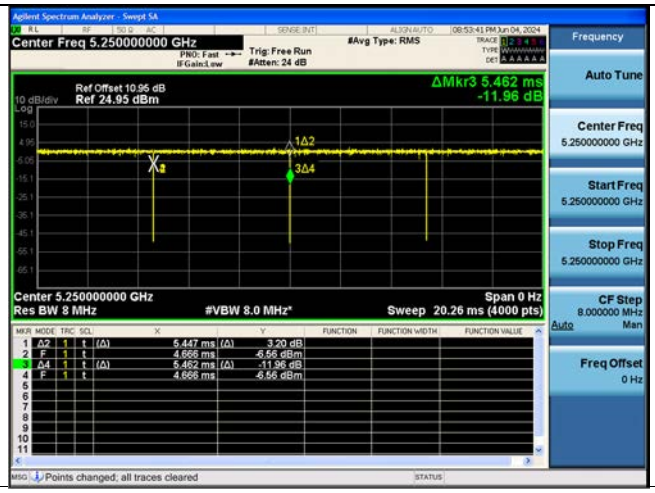
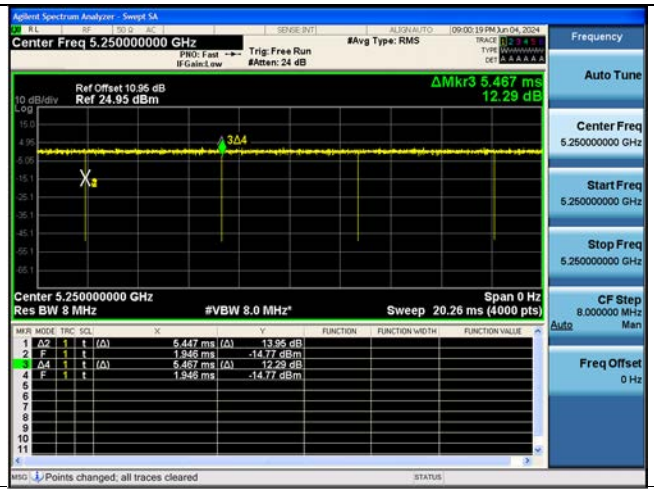
▣ **Test Plots**(Bandwidth 80M Ch.106(5530 MHz))

26Tone MCS0	52Tone MCS0
	
106Tone MCS0	**242Tone MCS0**
	
484Tone MCS0	**996Tone MCS0**
	

SU


▣ **Test Plots**(Bandwidth 160M Ch.50(5250 MHz))

26Tone MCS0	52Tone MCS0
	
106Tone MCS0	**242Tone MCS0**
	
484Tone MCS0	**996Tone MCS0**
	

SU	2x996Tone MCS0
	

Note: In order to simplify the report, attached plots were only the lowest datarate.

10.2 26 dB BANDWIDTH & 99% BANDWIDTH

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

Straddle channel data were added in section 10.6.1.

10.2.1 Ant.1

Mode : HE20 26T								
Band	Freq. [MHz]	CH.	26dB Bandwidth [MHz]			99% Occupied Bandwidth [MHz]		
			RU Index : Low	RU Index : Mid	RU Index : High	RU Index : Low	RU Index : Mid	RU Index : High
			ANT1	ANT1	ANT1	ANT1	ANT1	ANT1
UNII1	5180	36	19.89	18.09	20.00	17.553	16.926	18.260
	5200	40	20.06	18.14	19.72	18.233	16.966	18.310
	5240	48	19.99	17.52	19.98	18.418	16.171	18.095
UNII2A	5260	52	19.74	18.49	20.01	18.005	16.374	18.416
	5300	60	20.05	18.37	19.92	18.427	16.753	18.372
	5320	64	18.74	18.23	20.09	17.227	17.104	18.391
UNII2C	5500	100	20.04	18.33	19.93	18.368	17.002	18.197
	5600	120	20.30	18.51	19.79	18.130	17.032	18.275
	5720	144	19.43	18.00	19.84	17.875	16.690	18.470
UNII3	5745	149	20.36	18.30	19.77	18.411	16.528	18.418
	5785	157	19.94	18.06	20.26	18.347	17.029	18.251
	5825	165	19.62	17.92	20.05	18.093	16.984	18.221
UNII4	5845	169	20.02	16.51	19.96	18.355	15.408	18.349
	5865	173	20.06	18.31	19.91	18.160	16.979	18.370
	5885	177	19.38	18.40	20.05	17.856	16.266	18.250

Mode : HE20 52T								
Band	Freq. [MHz]	CH.	26dB Bandwidth [MHz]			99% Occupied Bandwidth [MHz]		
			RU Index : Low	RU Index : Mid	RU Index : High	RU Index : Low	RU Index : Mid	RU Index : High
			ANT1	ANT1	ANT1	ANT1	ANT1	ANT1
UNII1	5180	36	20.60	18.47	20.60	17.901	16.753	18.132
	5200	40	20.57	18.60	20.34	18.365	16.213	17.855
	5240	48	20.20	18.76	20.58	18.305	15.728	18.042
UNII2A	5260	52	20.29	18.87	20.43	17.819	17.272	18.140
	5300	60	19.51	18.63	20.73	17.815	17.025	18.246
	5320	64	20.41	17.89	20.22	17.797	16.021	17.810
UNII2C	5500	100	20.49	18.78	20.44	18.307	16.148	18.363
	5600	120	20.44	18.67	20.15	18.350	16.698	17.966
	5720	144	20.32	18.63	20.10	17.861	17.243	18.313
UNII3	5745	149	20.24	19.04	20.55	18.315	16.884	18.208
	5785	157	20.22	18.44	20.00	18.347	16.971	17.601
	5825	165	20.26	18.46	20.63	17.735	16.688	18.111
UNII4	5845	169	20.59	18.69	20.50	18.271	17.169	17.944
	5865	173	20.20	18.71	20.30	18.346	16.656	18.384
	5885	177	20.15	18.88	19.82	18.207	17.046	18.172

Mode : HE20 106T								
Band	Freq. [MHz]	CH.	26dB Bandwidth [MHz]			99% Occupied Bandwidth [MHz]		
			RU Index : Low	RU Index : Mid	RU Index : High	RU Index : Low	RU Index : Mid	RU Index : High
			ANT1	ANT1	ANT1	ANT1	ANT1	ANT1
UNII1	5180	36	20.71	-	20.65	18.224	-	18.184
	5200	40	19.61	-	20.62	17.937	-	18.304
	5240	48	20.34	-	20.55	18.247	-	18.095
UNII2A	5260	52	20.44	-	20.64	18.077	-	18.303
	5300	60	20.72	-	20.44	18.266	-	18.269
	5320	64	20.76	-	20.02	18.221	-	18.241
UNII2C	5500	100	20.55	-	20.60	18.224	-	18.274
	5600	120	20.15	-	20.75	18.243	-	18.335
	5720	144	20.73	-	20.45	18.222	-	18.077
UNII3	5745	149	20.70	-	20.60	18.244	-	18.285
	5785	157	20.66	-	20.60	18.018	-	18.222
	5825	165	20.57	-	20.66	18.216	-	18.224
UNII4	5845	169	20.47	-	20.69	18.265	-	18.234
	5865	173	20.59	-	20.66	18.255	-	18.174
	5885	177	20.52	-	20.54	18.155	-	18.323

Mode : HE20 242T								
Band	Freq. [MHz]	CH.	26dB Bandwidth [MHz]			99% Occupied Bandwidth [MHz]		
			RU Index : Low	RU Index : Mid	RU Index : High	RU Index : Low	RU Index : Mid	RU Index : High
			ANT1	ANT1	ANT1	ANT1	ANT1	ANT1
UNII1	5180	36	-	21.84	-	-	19.091	-
	5200	40	-	22.08	-	-	19.113	-
	5240	48	-	22.02	-	-	19.079	-
UNII2A	5260	52	-	21.80	-	-	19.071	-
	5300	60	-	21.66	-	-	19.058	-
	5320	64	-	21.82	-	-	19.063	-
UNII2C	5500	100	-	21.59	-	-	19.079	-
	5600	120	-	21.72	-	-	19.110	-
	5720	144	-	21.74	-	-	19.035	-
UNII3	5745	149	-	21.81	-	-	19.079	-
	5785	157	-	21.75	-	-	19.072	-
	5825	165	-	21.64	-	-	19.065	-
UNII4	5845	169	-	21.83	-	-	19.059	-
	5865	173	-	21.82	-	-	19.066	-
	5885	177	-	21.64	-	-	19.054	-

Mode : HE20 SU								
Band	Freq. [MHz]	CH.	26dB Bandwidth [MHz]			99% Occupied Bandwidth [MHz]		
			RU Index : Low	RU Index : Mid	RU Index : High	RU Index : Low	RU Index : Mid	RU Index : High
			ANT1	ANT1	ANT1	ANT1	ANT1	ANT1
UNII1	5180	36	-	22.65	-	-	19.086	-
	5200	40	-	22.80	-	-	19.116	-
	5240	48	-	22.96	-	-	19.137	-
UNII2A	5260	52	-	23.28	-	-	19.111	-
	5300	60	-	22.88	-	-	19.112	-
	5320	64	-	22.75	-	-	19.113	-
UNII2C	5500	100	-	23.01	-	-	19.079	-
	5600	120	-	22.70	-	-	19.151	-
	5720	144	-	23.17	-	-	19.110	-
UNII3	5745	149	-	23.18	-	-	19.114	-
	5785	157	-	23.37	-	-	19.129	-
	5825	165	-	22.89	-	-	19.127	-
UNII4	5845	169	-	23.34	-	-	19.147	-
	5865	173	-	23.18	-	-	19.102	-
	5885	177	-	22.92	-	-	19.067	-

Mode : HE40 26T								
Band	Freq. [MHz]	CH.	26dB Bandwidth [MHz]			99% Occupied Bandwidth [MHz]		
			RU Index : Low	RU Index : Mid	RU Index : High	RU Index : Low	RU Index : Mid	RU Index : High
			ANT1	ANT1	ANT1	ANT1	ANT1	ANT1
UNII1	5190	38	20.60	20.87	20.25	18.491	19.113	18.587
	5230	46	20.53	22.71	19.73	18.519	20.445	17.778
UNII2A	5270	54	20.34	22.57	20.45	18.603	20.498	18.491
	5310	62	20.21	22.49	20.15	18.194	20.283	18.653
UNII2C	5510	102	20.80	22.55	19.72	18.432	20.400	17.890
	5590	118	20.07	23.12	20.23	18.381	20.276	18.427
	5710	142	20.25	21.95	20.13	18.428	20.157	18.256
UNII3	5755	151	20.33	22.07	20.36	18.610	20.063	18.404
	5795	159	20.50	20.49	20.50	18.474	18.648	18.530
UNII4	5835	167	20.56	22.63	20.42	18.494	20.159	18.536
	5875	175	20.54	23.10	20.49	18.610	20.635	18.661

Mode : HE40 52T								
Band	Freq. [MHz]	CH.	26dB Bandwidth [MHz]			99% Occupied Bandwidth [MHz]		
			RU Index : Low	RU Index : Mid	RU Index : High	RU Index : Low	RU Index : Mid	RU Index : High
			ANT1	ANT1	ANT1	ANT1	ANT1	ANT1
UNII1	5190	38	21.57	23.77	20.80	18.370	19.949	17.526
	5230	46	20.78	24.28	20.80	17.663	20.058	18.022
UNII2A	5270	54	21.35	23.91	20.74	18.342	19.756	18.249
	5310	62	21.95	23.60	20.58	18.398	19.618	18.203
UNII2C	5510	102	21.56	23.74	21.29	18.269	19.952	18.311
	5590	118	21.79	23.40	20.78	18.384	20.027	18.388
	5710	142	21.73	24.09	21.46	18.195	19.931	18.288
UNII3	5755	151	21.56	24.02	21.55	18.283	19.885	18.260
	5795	159	20.95	24.68	20.66	18.235	19.964	18.193
UNII4	5835	167	22.00	23.41	20.91	18.401	19.765	18.298
	5875	175	21.26	22.11	20.59	18.348	19.092	18.236

Mode : HE40 106T								
Band	Freq. [MHz]	CH.	26dB Bandwidth [MHz]			99% Occupied Bandwidth [MHz]		
			RU Index : Low	RU Index : Mid	RU Index : High	RU Index : Low	RU Index : Mid	RU Index : High
			ANT1	ANT1	ANT1	ANT1	ANT1	ANT1
UNII1	5190	38	30.01	28.39	21.24	17.969	19.323	18.123
	5230	46	30.31	28.69	29.97	17.958	19.036	18.128
UNII2A	5270	54	22.93	28.46	21.30	17.848	19.273	17.938
	5310	62	21.82	23.45	21.22	17.851	19.079	18.023
UNII2C	5510	102	21.62	28.63	21.25	17.998	19.284	18.158
	5590	118	23.53	23.17	21.41	17.966	18.990	18.068
	5710	142	30.10	28.50	21.48	17.904	19.316	18.087
UNII3	5755	151	30.11	23.05	30.02	17.923	18.992	18.064
	5795	159	30.29	23.66	21.48	17.896	18.960	18.029
UNII4	5835	167	30.12	28.83	30.03	17.992	19.313	17.993
	5875	175	20.61	28.20	30.21	17.954	19.172	18.113

Mode : HE40 242T								
Band	Freq. [MHz]	CH.	26dB Bandwidth [MHz]			99% Occupied Bandwidth [MHz]		
			RU Index : Low	RU Index : Mid	RU Index : High	RU Index : Low	RU Index : Mid	RU Index : High
			ANT1	ANT1	ANT1	ANT1	ANT1	ANT1
UNII1	5190	38	34.34	-	33.31	19.351	-	19.295
	5230	46	34.09	-	33.40	19.362	-	19.285
UNII2A	5270	54	34.19	-	33.28	19.346	-	19.282
	5310	62	34.33	-	33.50	19.384	-	19.319
UNII2C	5510	102	34.29	-	32.35	19.382	-	19.297
	5590	118	34.37	-	33.29	19.394	-	19.240
	5710	142	34.28	-	33.17	19.348	-	19.281
UNII3	5755	151	34.18	-	33.74	19.371	-	19.335
	5795	159	34.38	-	33.29	19.315	-	19.299
UNII4	5835	167	34.41	-	34.18	19.385	-	19.349
	5875	175	34.49	-	33.39	19.360	-	19.490

Mode : HE40 484T								
Band	Freq. [MHz]	CH.	26dB Bandwidth [MHz]			99% Occupied Bandwidth [MHz]		
			RU Index : Low	RU Index : Mid	RU Index : High	RU Index : Low	RU Index : Mid	RU Index : High
			ANT1	ANT1	ANT1	ANT1	ANT1	ANT1
UNII1	5190	38	-	42.60	-	-	38.020	-
	5230	46	-	42.47	-	-	38.069	-
UNII2A	5270	54	-	42.59	-	-	38.059	-
	5310	62	-	43.84	-	-	38.067	-
UNII2C	5510	102	-	43.88	-	-	38.070	-
	5590	118	-	42.41	-	-	38.033	-
	5710	142	-	42.62	-	-	38.045	-
UNII3	5755	151	-	42.63	-	-	38.012	-
	5795	159	-	42.79	-	-	38.036	-
UNII4	5835	167	-	42.64	-	-	38.022	-
	5875	175	-	42.73	-	-	38.058	-

Mode : HE40 SU								
Band	Freq. [MHz]	CH.	26dB Bandwidth [MHz]			99% Occupied Bandwidth [MHz]		
			RU Index : Low	RU Index : Mid	RU Index : High	RU Index : Low	RU Index : Mid	RU Index : High
			ANT1	ANT1	ANT1	ANT1	ANT1	ANT1
UNII1	5190	38	-	43.83	-	-	38.010	-
	5230	46	-	44.59	-	-	37.967	-
UNII2A	5270	54	-	44.59	-	-	38.000	-
	5310	62	-	44.05	-	-	37.986	-
UNII2C	5510	102	-	43.48	-	-	38.070	-
	5590	118	-	44.93	-	-	37.977	-
	5710	142	-	44.05	-	-	38.010	-
UNII3	5755	151	-	43.92	-	-	38.042	-
	5795	159	-	44.04	-	-	37.972	-
UNII4	5835	167	-	43.56	-	-	37.988	-
	5875	175	-	43.88	-	-	38.022	-

Mode : HE80 26T								
Band	Freq. [MHz]	CH.	26dB Bandwidth [MHz]			99% Occupied Bandwidth [MHz]		
			RU Index : Low	RU Index : Mid	RU Index : High	RU Index : Low	RU Index : Mid	RU Index : High
			ANT1	ANT1	ANT1	ANT1	ANT1	ANT1
UNII1	5210	42	21.49	77.03	22.14	19.868	73.855	19.685
UNII2A	5290	58	22.11	78.15	21.94	20.039	74.946	19.575
UNII2C	5530	106	21.77	78.57	22.38	20.073	75.416	19.703
	5610	122	22.15	78.05	22.99	19.981	74.694	20.328
	5690	138	22.54	78.09	22.86	19.925	75.256	19.685
UNII3	5775	155	22.46	78.31	22.03	18.209	75.171	19.956
UNII4	5855	171	21.71	78.32	22.20	20.026	75.215	19.739

Mode : HE80 52T								
Band	Freq. [MHz]	CH.	26dB Bandwidth [MHz]			99% Occupied Bandwidth [MHz]		
			RU Index : Low	RU Index : Mid	RU Index : High	RU Index : Low	RU Index : Mid	RU Index : High
			ANT1	ANT1	ANT1	ANT1	ANT1	ANT1
UNII1	5210	42	23.26	26.49	23.94	19.707	21.048	19.582
UNII2A	5290	58	25.23	26.32	24.25	19.783	20.992	19.039
UNII2C	5530	106	23.15	26.00	22.39	20.008	21.287	18.994
	5610	122	25.01	24.71	23.40	20.124	21.031	19.580
	5690	138	25.41	26.55	24.01	19.592	21.439	18.891
UNII3	5775	155	24.52	24.04	24.14	20.093	21.222	19.692
UNII4	5855	171	23.09	26.18	23.61	20.005	21.308	18.955

Mode : HE80 106T								
Band	Freq. [MHz]	CH.	26dB Bandwidth [MHz]			99% Occupied Bandwidth [MHz]		
			RU Index : Low	RU Index : Mid	RU Index : High	RU Index : Low	RU Index : Mid	RU Index : High
			ANT1	ANT1	ANT1	ANT1	ANT1	ANT1
UNII1	5210	42	23.38	23.65	24.06	18.841	19.318	18.798
UNII2A	5290	58	23.55	25.35	25.86	18.959	19.787	18.964
UNII2C	5530	106	23.60	25.17	24.39	18.710	19.193	19.048
	5610	122	23.10	27.09	23.48	18.717	19.544	18.874
	5690	138	23.33	26.18	23.91	18.678	19.311	18.723
UNII3	5775	155	23.80	27.25	25.03	18.887	19.606	19.038
UNII4	5855	171	23.13	24.41	23.28	18.652	19.023	18.826

Mode : HE80 242T								
Band	Freq. [MHz]	CH.	26dB Bandwidth [MHz]			99% Occupied Bandwidth [MHz]		
			RU Index : Low	RU Index : Mid	RU Index : High	RU Index : Low	RU Index : Mid	RU Index : High
			ANT1	ANT1	ANT1	ANT1	ANT1	ANT1
UNII1	5210	42	31.33	32.35	29.26	20.794	20.622	20.730
UNII2A	5290	58	43.33	32.44	43.85	20.856	20.708	20.573
UNII2C	5530	106	32.30	31.63	30.96	20.668	20.396	20.762
	5610	122	33.41	32.47	44.18	21.871	20.642	20.811
	5690	138	43.68	31.00	43.47	21.900	20.638	20.607
UNII3	5775	155	29.78	32.75	30.62	20.979	20.680	20.529
UNII4	5855	171	42.72	34.01	43.47	21.093	22.805	20.911

Mode : HE80 484T								
Band	Freq. [MHz]	CH.	26dB Bandwidth [MHz]			99% Occupied Bandwidth [MHz]		
			RU Index : Low	RU Index : Mid	RU Index : High	RU Index : Low	RU Index : Mid	RU Index : High
			ANT1	ANT1	ANT1	ANT1	ANT1	ANT1
UNII1	5210	42	69.61	-	68.96	41.257	-	40.720
UNII2A	5290	58	69.36	-	70.00	41.811	-	40.875
UNII2C	5530	106	68.79	-	69.50	40.696	-	43.123
	5610	122	69.64	-	69.40	41.633	-	40.896
	5690	138	69.42	-	69.80	41.672	-	40.832
UNII3	5775	155	69.14	-	69.22	42.895	-	41.354
UNII4	5855	171	70.05	-	69.37	42.825	-	41.224

Mode : HE80 996T								
Band	Freq. [MHz]	CH.	26dB Bandwidth [MHz]			99% Occupied Bandwidth [MHz]		
			RU Index : Low	RU Index : Mid	RU Index : High	RU Index : Low	RU Index : Mid	RU Index : High
			ANT1	ANT1	ANT1	ANT1	ANT1	ANT1
UNII1	5210	42	-	87.24	-	-	77.887	-
UNII2A	5290	58	-	86.79	-	-	77.589	-
UNII2C	5530	106	-	87.05	-	-	77.745	-
	5610	122	-	86.67	-	-	77.761	-
	5690	138	-	86.84	-	-	77.754	-
UNII3	5775	155	-	86.89	-	-	77.825	-
UNII4	5855	171	-	87.14	-	-	77.785	-

Mode : HE80 SU								
Band	Freq. [MHz]	CH.	26dB Bandwidth [MHz]			99% Occupied Bandwidth [MHz]		
			RU Index : Low	RU Index : Mid	RU Index : High	RU Index : Low	RU Index : Mid	RU Index : High
			ANT1	ANT1	ANT1	ANT1	ANT1	ANT1
UNII1	5210	42	-	89.32	-	-	77.866	-
UNII2A	5290	58	-	89.03	-	-	77.920	-
UNII2C	5530	106	-	88.34	-	-	77.925	-
	5610	122	-	87.47	-	-	77.809	-
	5690	138	-	88.21	-	-	77.861	-
UNII3	5775	155	-	87.36	-	-	77.870	-
UNII4	5855	171	-	88.37	-	-	77.872	-

Mode : HE160(80L)									
Band	Tone	Freq. [MHz]	CH.	26dB Bandwidth [MHz]			99% Occupied Bandwidth [MHz]		
				RU Index : Low	RU Index : Mid	RU Index : High	RU Index : Low	RU Index : Mid	RU Index : High
				ANT1	ANT1	ANT1	ANT1	ANT1	ANT1
UNII 1-2A	26T	5250	50	25.04	77.44	28.55	21.928	74.380	26.481
UNII 2C		5570	114	18.17	79.36	26.04	19.794	75.691	24.946
UNII 3-4		5815	163	25.68	78.85	26.87	22.212	75.499	25.320
UNII 1-2A	52T	5250	50	26.85	27.99	30.15	22.435	22.507	26.234
UNII 2C		5570	114	26.86	30.45	29.66	22.534	24.738	26.108
UNII 3-4		5815	163	28.00	28.09	33.03	21.541	23.237	26.256
UNII 1-2A	106T	5250	50	32.66	35.37	35.87	23.477	23.358	23.534
UNII 2C		5570	114	27.72	35.57	32.29	21.230	22.321	23.255
UNII 3-4		5815	163	31.56	32.88	35.26	21.429	22.411	24.078
UNII 1-2A	242T	5250	50	35.72	70.32	41.23	27.381	27.637	24.932
UNII 2C		5570	114	40.97	44.66	39.95	26.022	24.907	25.567
UNII 3-4		5815	163	42.99	71.08	40.90	26.749	27.765	25.490
UNII 1-2A	484T	5250	50	87.61	-	71.55	41.637	-	43.008
UNII 2C		5570	114	87.95	-	68.52	42.323	-	42.769
UNII 3-4		5815	163	87.32	-	70.32	42.951	-	42.417
UNII 1-2A	996T	5250	50	-	116.2	-	-	79.699	-
UNII 2C		5570	114	-	105.4	-	-	78.925	-
UNII 3-4		5815	163	-	113.4	-	-	79.895	-

Mode : HE160(80U)									
Band	Tone	Freq. [MHz]	CH.	26dB Bandwidth [MHz]			99% Occupied Bandwidth [MHz]		
				RU Index : Low	RU Index : Mid	RU Index : High	RU Index : Low	RU Index : Mid	RU Index : High
				ANT1	ANT1	ANT1	ANT1	ANT1	ANT1
UNII 1-2A	26T	5250	50	26.77	78.16	25.82	25.3	74.4	22.5
UNII 2C		5570	114	28.15	79.16	23.91	25.8	75.1	21.9
UNII 3-4		5815	163	26.70	78.81	24.52	26.0	75.3	23.0
UNII 1-2A	52T	5250	50	31.54	29.41	26.82	25.1	26.6	22.5
UNII 2C		5570	114	30.36	28.92	25.68	23.5	27.3	21.4
UNII 3-4		5815	163	34.43	32.14	27.15	26.7	28.4	22.0
UNII 1-2A	106T	5250	50	37.54	33.78	30.63	23.4	23.9	21.0
UNII 2C		5570	114	33.56	33.78	28.91	25.1	24.2	21.1
UNII 3-4		5815	163	36.64	30.28	29.93	24.4	24.0	21.6
UNII 1-2A	242T	5250	50	44.21	50.41	86.60	26.3	24.8	26.8
UNII 2C		5570	114	44.72	42.34	40.87	26.3	25.1	26.5
UNII 3-4		5815	163	43.11	50.11	86.30	25.3	25.8	27.2
UNII 1-2A	484T	5250	50	56.24	-	90.11	40.4	-	44.1
UNII 2C		5570	114	62.98	-	69.36	40.7	-	44.8
UNII 3-4		5815	163	63.91	-	89.07	40.9	-	44.7
UNII 1-2A	996T	5250	50	-	96.33	-	-	78.4	-
UNII 2C		5570	114	-	97.01	-	-	78.4	-
UNII 3-4		5815	163	-	99.78	-	-	78.3	-

Mode : HE160									
Band	Tone	Freq. [MHz]	CH.	26dB Bandwidth [MHz]			99% Occupied Bandwidth [MHz]		
				RU Index : Low	RU Index : Mid	RU Index : High	RU Index : Low	RU Index : Mid	RU Index : High
				ANT1	ANT1	ANT1	ANT1	ANT1	ANT1
UNII 1-2A	SU	5250	50	-	170.3	-	-	157.1	-
UNII 2C		5570	114	-	172.5	-	-	157.2	-
UNII 3-4		5815	163	-	170.7	-	-	157.2	-
UNII 1-2A	2x996T	5250	50	-	172.2	-	-	157.1	-
UNII 2C		5570	114	-	172.8	-	-	157.1	-
UNII 3-4		5815	163	-	171.9	-	-	157.1	-

10.2.2 Ant.2

Mode : HE20 26T								
Band	Freq. [MHz]	CH.	26dB Bandwidth [MHz]			99% Occupied Bandwidth [MHz]		
			RU Index : Low	RU Index : Mid	RU Index : High	RU Index : Low	RU Index : Mid	RU Index : High
			ANT2	ANT2	ANT2	ANT2	ANT2	ANT2
UNII1	5180	36	20.09	18.16	20.13	18.310	16.935	18.255
	5200	40	20.07	17.41	19.95	18.326	16.427	18.394
	5240	48	19.88	18.26	19.77	18.310	17.182	18.264
UNII2A	5260	52	19.46	18.45	19.85	18.001	16.608	18.098
	5300	60	20.06	18.64	19.69	18.434	17.078	18.211
	5320	64	20.07	18.05	19.95	18.270	16.825	18.425
UNII2C	5500	100	20.17	16.97	20.01	18.063	15.450	18.345
	5600	120	20.04	18.50	20.13	18.242	15.571	18.351
	5720	144	20.16	18.32	19.88	18.505	16.933	18.231
UNII3	5745	149	19.77	18.56	20.24	18.037	17.058	18.404
	5785	157	20.01	17.78	19.82	17.509	16.599	18.364
	5825	165	19.87	18.25	20.13	18.269	17.005	18.064
UNII4	5845	169	20.19	18.01	19.76	18.361	16.961	18.208
	5865	173	20.01	18.11	20.00	17.838	16.118	18.391
	5885	177	19.97	18.13	19.82	17.948	17.051	18.346

Mode : HE20 52T								
Band	Freq. [MHz]	CH.	26dB Bandwidth [MHz]			99% Occupied Bandwidth [MHz]		
			RU Index : Low	RU Index : Mid	RU Index : High	RU Index : Low	RU Index : Mid	RU Index : High
			ANT2	ANT2	ANT2	ANT2	ANT2	ANT2
UNII1	5180	36	19.83	18.81	20.18	18.058	16.104	18.153
	5200	40	20.14	18.72	20.58	17.825	16.848	17.674
	5240	48	20.11	17.84	20.64	18.311	16.674	18.240
UNII2A	5260	52	20.04	18.54	19.90	18.259	16.762	18.188
	5300	60	20.36	18.45	20.16	17.843	17.080	17.664
	5320	64	20.19	18.67	20.06	18.333	17.079	18.089
UNII2C	5500	100	20.21	18.30	20.51	18.298	16.844	18.322
	5600	120	20.31	18.36	20.13	18.278	16.877	18.014
	5720	144	20.47	18.80	20.31	18.348	17.054	17.924
UNII3	5745	149	20.50	18.56	20.56	18.265	16.957	18.348
	5785	157	20.42	18.50	20.25	18.210	17.020	18.232
	5825	165	20.21	18.27	20.19	18.260	17.195	17.904
UNII4	5845	169	20.24	18.12	20.47	18.020	17.135	18.055
	5865	173	20.27	18.43	20.11	18.283	17.219	18.147
	5885	177	20.31	18.23	19.14	18.351	16.639	17.642

Mode : HE20 106T								
Band	Freq. [MHz]	CH.	26dB Bandwidth [MHz]			99% Occupied Bandwidth [MHz]		
			RU Index : Low	RU Index : Mid	RU Index : High	RU Index : Low	RU Index : Mid	RU Index : High
			ANT2	ANT2	ANT2	ANT2	ANT2	ANT2
UNII1	5180	36	20.70	-	20.39	18.254	-	18.037
	5200	40	20.44	-	20.48	18.214	-	18.285
	5240	48	20.55	-	20.67	18.232	-	18.117
UNII2A	5260	52	20.34	-	20.71	18.233	-	18.248
	5300	60	20.64	-	20.57	18.241	-	18.275
	5320	64	20.27	-	20.40	18.300	-	18.277
UNII2C	5500	100	20.65	-	20.24	18.204	-	18.241
	5600	120	20.64	-	20.66	18.133	-	18.263
	5720	144	20.56	-	20.69	18.285	-	18.338
UNII3	5745	149	20.78	-	20.40	18.260	-	18.311
	5785	157	20.27	-	20.32	17.869	-	18.274
	5825	165	21.02	-	20.70	18.250	-	18.292
UNII4	5845	169	20.54	-	20.54	18.172	-	18.199
	5865	173	20.61	-	20.67	17.991	-	18.250
	5885	177	20.56	-	20.73	18.179	-	18.142

Mode : HE20 242T								
Band	Freq. [MHz]	CH.	26dB Bandwidth [MHz]			99% Occupied Bandwidth [MHz]		
			RU Index : Low	RU Index : Mid	RU Index : High	RU Index : Low	RU Index : Mid	RU Index : High
			ANT2	ANT2	ANT2	ANT2	ANT2	ANT2
UNII1	5180	36	-	21.73	-	-	19.072	-
	5200	40	-	21.74	-	-	19.059	-
	5240	48	-	21.96	-	-	19.038	-
UNII2A	5260	52	-	21.81	-	-	19.031	-
	5300	60	-	21.86	-	-	19.039	-
	5320	64	-	21.65	-	-	19.032	-
UNII2C	5500	100	-	21.65	-	-	19.036	-
	5600	120	-	21.83	-	-	19.101	-
	5720	144	-	21.54	-	-	19.068	-
UNII3	5745	149	-	21.60	-	-	19.050	-
	5785	157	-	21.81	-	-	19.054	-
	5825	165	-	21.98	-	-	19.025	-
UNII4	5845	169	-	21.69	-	-	19.050	-
	5865	173	-	21.52	-	-	19.107	-
	5885	177	-	21.71	-	-	19.059	-

Mode : HE20 SU								
Band	Freq. [MHz]	CH.	26dB Bandwidth [MHz]			99% Occupied Bandwidth [MHz]		
			RU Index : Low	RU Index : Mid	RU Index : High	RU Index : Low	RU Index : Mid	RU Index : High
			ANT2	ANT2	ANT2	ANT2	ANT2	ANT2
UNII1	5180	36	-	23.20	-	-	19.136	-
	5200	40	-	22.99	-	-	19.123	-
	5240	48	-	22.73	-	-	19.169	-
UNII2A	5260	52	-	23.28	-	-	19.140	-
	5300	60	-	23.03	-	-	19.087	-
	5320	64	-	22.89	-	-	19.097	-
UNII2C	5500	100	-	23.10	-	-	19.122	-
	5600	120	-	23.31	-	-	19.140	-
	5720	144	-	23.11	-	-	19.079	-
UNII3	5745	149	-	23.21	-	-	19.097	-
	5785	157	-	22.87	-	-	19.110	-
	5825	165	-	23.06	-	-	19.155	-
UNII4	5845	169	-	23.36	-	-	19.124	-
	5865	173	-	23.02	-	-	19.150	-
	5885	177	-	23.15	-	-	19.153	-

Mode : HE40 26T								
Band	Freq. [MHz]	CH.	26dB Bandwidth [MHz]			99% Occupied Bandwidth [MHz]		
			RU Index : Low	RU Index : Mid	RU Index : High	RU Index : Low	RU Index : Mid	RU Index : High
			ANT2	ANT2	ANT2	ANT2	ANT2	ANT2
UNII1	5190	38	20.61	22.15	20.58	17.767	20.083	18.487
	5230	46	20.43	22.15	20.57	18.719	20.067	18.485
UNII2A	5270	54	20.66	23.06	20.33	18.468	20.532	18.388
	5310	62	19.48	22.41	20.76	17.069	20.285	18.419
UNII2C	5510	102	20.39	22.89	19.98	18.559	20.581	18.354
	5590	118	20.84	22.62	20.15	18.571	20.458	18.218
	5710	142	20.59	21.60	20.52	18.602	19.904	18.592
UNII3	5755	151	20.58	22.34	19.35	18.516	19.893	17.467
	5795	159	20.25	22.36	19.73	18.463	20.002	17.849
UNII4	5835	167	20.61	22.22	20.22	18.462	20.560	17.880
	5875	175	20.65	22.93	20.93	18.537	20.322	18.620

Mode : HE40 52T								
Band	Freq. [MHz]	CH.	26dB Bandwidth [MHz]			99% Occupied Bandwidth [MHz]		
			RU Index : Low	RU Index : Mid	RU Index : High	RU Index : Low	RU Index : Mid	RU Index : High
			ANT2	ANT2	ANT2	ANT2	ANT2	ANT2
UNII1	5190	38	20.92	23.64	20.49	18.184	20.045	17.635
	5230	46	21.06	24.19	21.25	18.401	20.011	18.273
UNII2A	5270	54	21.20	23.41	21.14	18.344	19.941	18.165
	5310	62	21.19	23.25	21.04	18.412	20.051	18.300
UNII2C	5510	102	20.87	23.03	21.09	18.070	19.944	18.212
	5590	118	21.64	23.74	20.88	18.290	20.009	18.319
	5710	142	21.18	24.05	20.99	18.382	19.653	18.372
UNII3	5755	151	20.65	24.02	21.29	18.142	20.154	18.315
	5795	159	21.77	23.89	20.90	18.113	19.904	18.212
UNII4	5835	167	20.85	24.29	20.68	18.272	20.086	18.333
	5875	175	22.07	23.81	20.63	18.423	19.935	18.322

Mode : HE40 106T								
Band	Freq. [MHz]	CH.	26dB Bandwidth [MHz]			99% Occupied Bandwidth [MHz]		
			RU Index : Low	RU Index : Mid	RU Index : High	RU Index : Low	RU Index : Mid	RU Index : High
			ANT2	ANT2	ANT2	ANT2	ANT2	ANT2
UNII1	5190	38	29.99	28.69	21.39	17.932	19.226	17.857
	5230	46	21.57	28.30	21.29	17.954	19.282	17.602
UNII2A	5270	54	30.15	23.25	21.57	17.940	19.067	18.075
	5310	62	22.11	24.38	21.03	17.981	19.005	18.031
UNII2C	5510	102	30.41	28.45	30.21	17.741	19.188	18.123
	5590	118	21.57	28.43	29.95	17.888	19.070	18.157
	5710	142	30.18	28.52	29.65	17.975	19.348	17.922
UNII3	5755	151	30.09	27.62	21.21	17.885	18.419	18.089
	5795	159	23.47	23.38	21.75	17.998	19.111	18.041
UNII4	5835	167	30.31	28.89	25.95	18.001	19.260	17.942
	5875	175	30.34	23.48	29.79	17.945	19.154	18.178

Mode : HE40 242T								
Band	Freq. [MHz]	CH.	26dB Bandwidth [MHz]			99% Occupied Bandwidth [MHz]		
			RU Index : Low	RU Index : Mid	RU Index : High	RU Index : Low	RU Index : Mid	RU Index : High
			ANT2	ANT2	ANT2	ANT2	ANT2	ANT2
UNII1	5190	38	34.46	-	31.98	19.336	-	19.252
	5230	46	34.32	-	33.27	19.303	-	19.272
UNII2A	5270	54	34.31	-	30.99	19.365	-	19.267
	5310	62	34.24	-	33.59	19.406	-	19.289
UNII2C	5510	102	34.21	-	33.06	19.362	-	19.284
	5590	118	34.34	-	32.51	19.386	-	19.279
	5710	142	34.35	-	34.11	19.356	-	19.345
UNII3	5755	151	34.13	-	31.97	19.424	-	19.314
	5795	159	34.39	-	30.64	19.368	-	19.262
UNII4	5835	167	34.46	-	33.48	19.389	-	19.301
	5875	175	34.41	-	33.06	19.314	-	19.503

Mode : HE40 484T								
Band	Freq. [MHz]	CH.	26dB Bandwidth [MHz]			99% Occupied Bandwidth [MHz]		
			RU Index : Low	RU Index : Mid	RU Index : High	RU Index : Low	RU Index : Mid	RU Index : High
			ANT2	ANT2	ANT2	ANT2	ANT2	ANT2
UNII1	5190	38	-	42.40	-	-	38.026	-
	5230	46	-	42.58	-	-	38.024	-
UNII2A	5270	54	-	42.48	-	-	38.069	-
	5310	62	-	42.75	-	-	38.042	-
UNII2C	5510	102	-	43.47	-	-	38.058	-
	5590	118	-	42.51	-	-	38.032	-
	5710	142	-	42.68	-	-	38.057	-
UNII3	5755	151	-	42.63	-	-	38.065	-
	5795	159	-	42.61	-	-	38.048	-
UNII4	5835	167	-	42.56	-	-	38.026	-
	5875	175	-	42.63	-	-	38.053	-

Mode : HE40 SU								
Band	Freq. [MHz]	CH.	26dB Bandwidth [MHz]			99% Occupied Bandwidth [MHz]		
			RU Index : Low	RU Index : Mid	RU Index : High	RU Index : Low	RU Index : Mid	RU Index : High
			ANT2	ANT2	ANT2	ANT2	ANT2	ANT2
UNII1	5190	38	-	43.67	-	-	38.053	-
	5230	46	-	44.08	-	-	38.024	-
UNII2A	5270	54	-	44.08	-	-	38.033	-
	5310	62	-	44.23	-	-	38.023	-
UNII2C	5510	102	-	44.41	-	-	38.019	-
	5590	118	-	44.07	-	-	38.066	-
	5710	142	-	43.84	-	-	38.041	-
UNII3	5755	151	-	44.23	-	-	37.974	-
	5795	159	-	43.64	-	-	37.984	-
UNII4	5835	167	-	43.95	-	-	37.996	-
	5875	175	-	44.70	-	-	38.001	-

Mode : HE80 26T								
Band	Freq. [MHz]	CH.	26dB Bandwidth [MHz]			99% Occupied Bandwidth [MHz]		
			RU Index : Low	RU Index : Mid	RU Index : High	RU Index : Low	RU Index : Mid	RU Index : High
			ANT2	ANT2	ANT2	ANT2	ANT2	ANT2
UNII1	5210	42	22.14	77.72	22.56	20.034	74.921	19.815
UNII2A	5290	58	22.90	78.42	23.31	20.083	75.085	20.059
UNII2C	5530	106	21.36	78.22	23.86	19.495	75.131	20.293
	5610	122	22.37	78.45	20.92	18.994	75.519	19.156
	5690	138	23.23	78.16	21.99	20.174	75.126	20.088
UNII3	5775	155	22.26	78.13	23.28	19.844	75.090	20.175
UNII4	5855	171	22.54	78.41	22.69	19.409	74.642	20.152

Mode : HE80 52T								
Band	Freq. [MHz]	CH.	26dB Bandwidth [MHz]			99% Occupied Bandwidth [MHz]		
			RU Index : Low	RU Index : Mid	RU Index : High	RU Index : Low	RU Index : Mid	RU Index : High
			ANT2	ANT2	ANT2	ANT2	ANT2	ANT2
UNII1	5210	42	24.99	25.59	22.20	20.238	21.186	19.439
UNII2A	5290	58	24.03	25.88	23.80	20.101	20.725	19.553
UNII2C	5530	106	24.78	25.82	21.80	20.298	20.904	18.640
	5610	122	25.23	26.50	21.88	19.989	21.065	19.232
	5690	138	24.36	24.87	22.33	20.074	20.642	19.529
UNII3	5775	155	24.21	23.66	24.55	19.782	20.863	18.840
UNII4	5855	171	23.83	26.01	25.07	19.822	21.110	18.814

Mode : HE80 106T								
Band	Freq. [MHz]	CH.	26dB Bandwidth [MHz]			99% Occupied Bandwidth [MHz]		
			RU Index : Low	RU Index : Mid	RU Index : High	RU Index : Low	RU Index : Mid	RU Index : High
			ANT2	ANT2	ANT2	ANT2	ANT2	ANT2
UNII1	5210	42	24.06	26.53	24.28	18.823	19.523	18.745
UNII2A	5290	58	23.02	28.37	23.91	18.932	19.479	18.712
UNII2C	5530	106	25.51	26.59	23.63	19.158	19.194	19.099
	5610	122	23.77	24.11	24.38	18.890	19.298	18.940
	5690	138	25.34	25.37	24.56	18.556	19.085	18.969
UNII3	5775	155	24.31	24.65	23.99	18.813	19.401	19.069
UNII4	5855	171	24.40	24.70	22.80	18.880	18.878	18.852

Mode : HE80 242T								
Band	Freq. [MHz]	CH.	26dB Bandwidth [MHz]			99% Occupied Bandwidth [MHz]		
			RU Index : Low	RU Index : Mid	RU Index : High	RU Index : Low	RU Index : Mid	RU Index : High
			ANT2	ANT2	ANT2	ANT2	ANT2	ANT2
UNII1	5210	42	43.74	31.78	28.92	20.903	20.522	20.864
UNII2A	5290	58	43.71	31.40	31.69	20.978	20.656	20.533
UNII2C	5530	106	31.35	32.72	31.32	20.882	20.911	20.617
	5610	122	34.01	32.06	30.98	22.154	20.463	20.726
	5690	138	32.86	30.16	44.56	21.428	20.531	20.726
UNII3	5775	155	30.41	32.71	32.74	20.952	20.601	20.994
UNII4	5855	171	31.14	32.53	31.18	21.314	21.998	20.755

Mode : HE80 484T								
Band	Freq. [MHz]	CH.	26dB Bandwidth [MHz]			99% Occupied Bandwidth [MHz]		
			RU Index : Low	RU Index : Mid	RU Index : High	RU Index : Low	RU Index : Mid	RU Index : High
			ANT2	ANT2	ANT2	ANT2	ANT2	ANT2
UNII1	5210	42	69.80	-	69.52	41.199	-	40.997
UNII2A	5290	58	69.36	-	70.22	40.928	-	41.414
UNII2C	5530	106	69.19	-	69.58	41.347	-	41.536
	5610	122	69.60	-	69.78	41.362	-	40.958
	5690	138	69.62	-	70.06	41.212	-	41.095
UNII3	5775	155	67.90	-	69.63	40.456	-	43.809
UNII4	5855	171	69.98	-	69.43	42.194	-	41.017

Mode : HE80 996T								
Band	Freq. [MHz]	CH.	26dB Bandwidth [MHz]			99% Occupied Bandwidth [MHz]		
			RU Index : Low	RU Index : Mid	RU Index : High	RU Index : Low	RU Index : Mid	RU Index : High
			ANT2	ANT2	ANT2	ANT2	ANT2	ANT2
UNII1	5210	42	-	87.39	-	-	77.832	-
UNII2A	5290	58	-	86.24	-	-	77.562	-
UNII2C	5530	106	-	86.50	-	-	77.672	-
	5610	122	-	87.74	-	-	77.814	-
	5690	138	-	87.05	-	-	77.789	-
UNII3	5775	155	-	88.84	-	-	77.799	-
UNII4	5855	171	-	87.23	-	-	77.798	-

Mode : HE80 SU								
Band	Freq. [MHz]	CH.	26dB Bandwidth [MHz]			99% Occupied Bandwidth [MHz]		
			RU Index : Low	RU Index : Mid	RU Index : High	RU Index : Low	RU Index : Mid	RU Index : High
			ANT2	ANT2	ANT2	ANT2	ANT2	ANT2
UNII1	5210	42	-	88.18	-	-	77.760	-
UNII2A	5290	58	-	88.26	-	-	77.846	-
UNII2C	5530	106	-	88.02	-	-	77.767	-
	5610	122	-	87.75	-	-	77.884	-
	5690	138	-	88.03	-	-	77.841	-
UNII3	5775	155	-	87.17	-	-	77.837	-
UNII4	5855	171	-	87.36	-	-	77.729	-

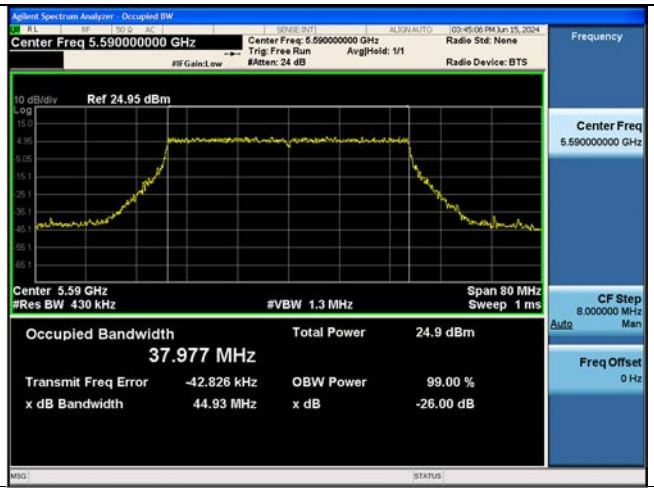
Mode : HE160(80L)									
Band	Tone	Freq. [MHz]	CH.	26dB Bandwidth [MHz]			99% Occupied Bandwidth [MHz]		
				RU Index : Low	RU Index : Mid	RU Index : High	RU Index : Low	RU Index : Mid	RU Index : High
				ANT2	ANT2	ANT2	ANT2	ANT2	ANT2
UNII 1-2A	26T	5250	50	27.13	78.34	27.33	22.267	75.272	26.773
UNII 2C		5570	114	25.71	78.96	27.61	21.734	75.406	25.528
UNII 3-4		5815	163	24.37	78.09	27.15	22.089	74.515	25.831
UNII 1-2A	52T	5250	50	24.69	24.73	30.19	22.935	23.501	25.847
UNII 2C		5570	114	25.55	27.41	30.40	22.224	24.644	24.973
UNII 3-4		5815	163	29.58	30.00	30.17	21.885	24.836	26.049
UNII 1-2A	106T	5250	50	33.21	31.61	35.53	22.048	21.715	23.324
UNII 2C		5570	114	31.31	33.47	28.95	21.003	22.486	22.336
UNII 3-4		5815	163	31.32	31.13	34.12	21.288	22.545	22.391
UNII 1-2A	242T	5250	50	86.48	48.02	45.47	28.156	26.209	24.958
UNII 2C		5570	114	85.66	72.46	43.76	27.149	26.135	25.313
UNII 3-4		5815	163	41.44	74.07	44.32	26.420	25.430	24.841
UNII 1-2A	484T	5250	50	87.96	-	70.59	40.639	-	43.303
UNII 2C		5570	114	87.82	-	70.75	40.281	-	42.615
UNII 3-4		5815	163	88.21	-	70.19	39.991	-	42.210
UNII 1-2A	996T	5250	50	-	111.6	-	-	79.130	-
UNII 2C		5570	114	-	107.8	-	-	78.934	-
UNII 3-4		5815	163	-	109.1	-	-	79.358	-

Mode : HE160(80U)									
Band	Tone	Freq. [MHz]	CH.	26dB Bandwidth [MHz]			99% Occupied Bandwidth [MHz]		
				RU Index : Low	RU Index : Mid	RU Index : High	RU Index : Low	RU Index : Mid	RU Index : High
				ANT2	ANT2	ANT2	ANT2	ANT2	ANT2
UNII 1-2A	26T	5250	50	21.40	76.55	27.05	21.7	73.0	23.0
UNII 2C		5570	114	25.72	78.36	24.65	25.1	74.7	21.6
UNII 3-4		5815	163	29.60	77.71	24.32	26.2	74.3	22.2
UNII 1-2A	52T	5250	50	34.44	31.05	28.65	27.1	28.3	21.9
UNII 2C		5570	114	33.81	30.62	28.64	26.7	26.8	22.2
UNII 3-4		5815	163	32.70	26.40	29.95	26.7	24.2	24.0
UNII 1-2A	106T	5250	50	35.09	33.88	33.66	24.1	24.7	21.5
UNII 2C		5570	114	35.11	35.31	36.44	23.7	23.8	23.0
UNII 3-4		5815	163	31.04	31.32	30.51	23.0	24.2	21.6
UNII 1-2A	242T	5250	50	43.81	54.46	86.78	25.2	29.1	28.4
UNII 2C		5570	114	45.24	51.64	38.86	26.0	25.0	26.5
UNII 3-4		5815	163	42.35	50.78	85.13	24.6	25.0	27.2
UNII 1-2A	484T	5250	50	62.68	-	87.55	40.9	-	45.6
UNII 2C		5570	114	58.01	-	85.26	40.4	-	45.1
UNII 3-4		5815	163	63.45	-	87.78	41.3	-	45.9
UNII 1-2A	996T	5250	50	-	106.0	-	-	78.7	-
UNII 2C		5570	114	-	96.96	-	-	78.4	-
UNII 3-4		5815	163	-	99.82	-	-	78.6	-

Mode : HE160									
Band	Tone	Freq. [MHz]	CH.	26dB Bandwidth [MHz]			99% Occupied Bandwidth [MHz]		
				RU Index : Low	RU Index : Mid	RU Index : High	RU Index : Low	RU Index : Mid	RU Index : High
				ANT2	ANT2	ANT2	ANT2	ANT2	ANT2
UNII 1-2A	SU	5250	50	-	171.0	-	-	157.1	-
UNII 2C		5570	114	-	171.7	-	-	157.0	-
UNII 3-4		5815	163	-	171.1	-	-	156.9	-
UNII 1-2A	2x996T	5250	50	-	173.3	-	-	157.0	-
UNII 2C		5570	114	-	172.9	-	-	157.3	-
UNII 3-4		5815	163	-	171.2	-	-	157.3	-

▣ Test Plots

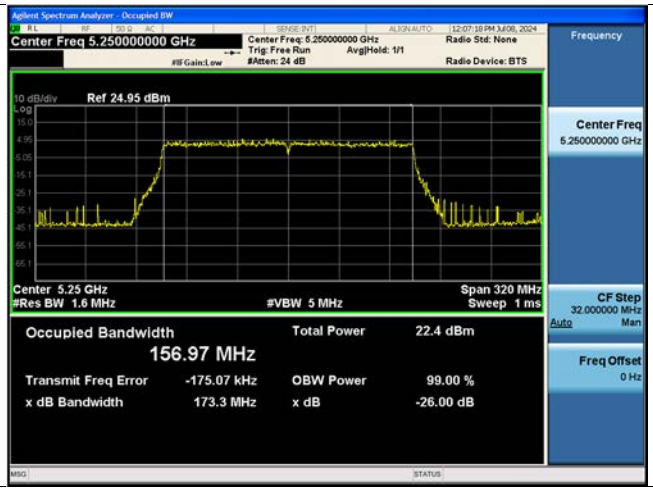
[Ant.1]

Bandwidth 20M Ch.157(5785 MHz) SU	Bandwidth 40M Ch.118(5590 MHz) SU
	
Bandwidth 80M Ch.42(5210 MHz) SU	**Bandwidth 160M 2x996Tone Ch.114(5570 MHz)**
	

Note:

In order to simplify the report, attached plots were only the widest channel per channel bandwidth.

[Ant.2]

Bandwidth 20M Ch.169(5845 MHz) SU	Bandwidth 40M Ch.175(5875 MHz) SU
	
Bandwidth 80M Ch.155(5775 MHz) 996Tone	**Bandwidth 160M 2x996Tone Ch.50(5250 MHz)**
	

Note:

In order to simplify the report, attached plots were only the widest channel per channel bandwidth.

10.3 6 dB BANDWIDTH

Limit : > 0.5 MHz

10.3.1 Ant.1

Mode : HE20						
Band	Tone	Freq. [MHz]	CH.	6dB Bandwidth [MHz]		
				RU Index : Low	RU Index : Mid	RU Index : High
				ANT1	ANT1	ANT1
UNII3	26T	5745	149	2.067	2.714	2.076
		5785	157	2.071	2.613	2.088
		5825	165	2.050	2.680	2.111
UNII4		5845	169	2.062	2.712	2.113
		5865	173	2.096	2.661	2.083
		5885	177	2.081	2.676	2.077
UNII3	52T	5745	149	15.850	15.034	17.005
		5785	157	17.097	15.092	17.009
		5825	165	17.074	10.486	8.306
UNII4		5845	169	17.053	15.044	4.566
		5865	173	15.846	12.627	17.011
		5885	177	15.832	14.973	15.826
UNII3	106T	5745	149	17.173	-	17.405
		5785	157	18.140	-	17.392
		5825	165	18.121	-	17.390
UNII4		5845	169	18.146	-	17.068
		5865	173	18.161	-	17.414
		5885	177	18.160	-	17.184
UNII3	242T	5745	149	-	19.095	-
		5785	157	-	19.104	-
		5825	165	-	19.083	-
UNII4		5845	169	-	19.061	-
		5865	173	-	19.111	-
		5885	177	-	19.096	-
UNII3	SU	5745	149	-	19.082	-
		5785	157	-	19.056	-
		5825	165	-	19.065	-
UNII4		5845	169	-	19.064	-
		5865	173	-	19.043	-
		5885	177	-	19.061	-

Mode : HE40						
Band	Tone	Freq. [MHz]	CH.	6dB Bandwidth [MHz]		
				RU Index : Low	RU Index : Mid	RU Index : High
				ANT1	ANT1	ANT1
UNII3	26T	5755	151	2.105	2.115	2.142
		5795	159	2.141	2.123	2.128
UNII4		5835	167	2.149	2.136	2.125
		5875	175	2.117	2.105	2.145
UNII3	52T	5755	151	14.112	16.091	15.389
		5795	159	12.873	13.561	16.573
UNII4		5835	167	15.349	17.348	16.614
		5875	175	16.622	17.321	10.330
UNII3	106T	5755	151	16.659	17.528	16.848
		5795	159	16.624	17.552	16.674
UNII4		5835	167	16.641	17.365	16.632
		5875	175	16.638	17.371	16.689
UNII3	242T	5755	151	18.886	-	18.900
		5795	159	18.879	-	18.874
UNII4		5835	167	18.898	-	18.886
		5875	175	18.921	-	18.914
UNII3	484T	5755	151	-	38.289	-
		5795	159	-	38.285	-
UNII4		5835	167	-	38.284	-
		5875	175	-	38.318	-
UNII3	SU	5755	151	-	38.296	-
		5795	159	-	38.199	-
UNII4		5835	167	-	38.127	-
		5875	175	-	38.231	-

Mode : HE80						
Band	Tone	Freq. [MHz]	CH.	6dB Bandwidth [MHz]		
				RU Index : Low	RU Index : Mid	RU Index : High
				ANT1	ANT1	ANT1
UNII3	26T	5775	155	2.224	2.793	2.246
UNII4		5855	171	2.190	2.839	2.220
UNII3	52T	5775	155	16.620	14.987	16.769
UNII4		5855	171	15.490	16.365	16.734
UNII3	106T	5775	155	16.718	16.433	16.815
UNII4		5855	171	16.795	16.321	16.831
UNII3	242T	5775	155	19.004	18.967	18.975
UNII4		5855	171	18.963	18.970	18.930
UNII3	484T	5775	155	37.962	-	37.912
UNII4		5855	171	37.945	-	37.880
UNII3	996T	5775	155	-	78.208	-
UNII4		5855	171	-	78.212	-
UNII3	SU	5775	155	-	78.346	-
UNII4		5855	171	-	78.356	-

Mode : HE160(80L)						
Band	Tone	Freq. [MHz]	CH.	6dB Bandwidth [MHz]		
				RU Index : Low	RU Index : Mid	RU Index : High
				ANT1	ANT1	ANT1
UNII 3-4	26T	5815	163	2.360	3.016	2.471
UNII 3-4	52T	5815	163	16.916	16.576	14.372
UNII 3-4	106T	5815	163	17.919	17.506	15.740
UNII 3-4	242T	5815	163	19.145	19.080	19.206
UNII 3-4	484T	5815	163	37.907	-	37.888
UNII 3-4	996T	5815	163	-	78.192	-

Mode : HE160(80U)						
Band	Tone	Freq. [MHz]	CH.	6dB Bandwidth [MHz]		
				RU Index : Low	RU Index : Mid	RU Index : High
				ANT1	ANT1	ANT1
UNII 3-4	26T	5815	163	2.376	3.049	2.404
UNII 3-4	52T	5815	163	16.882	12.751	10.533
UNII 3-4	106T	5815	163	17.039	16.588	17.119
UNII 3-4	242T	5815	163	19.108	19.045	19.138
UNII 3-4	484T	5815	163	38.039	-	37.840
UNII 3-4	996T	5815	163	-	78.093	-

Mode : HE160						
Band	Tone	Freq. [MHz]	CH.	6dB Bandwidth [MHz]		
				RU Index : Low	RU Index : Mid	RU Index : High
				ANT1	ANT1	ANT1
UNII 3-4	SU	5815	163	-	158.43	-
UNII 3-4	2x996T	5815	163	-	158.38	-

10.3.2 Ant.2

Mode : HE20						
Band	Tone	Freq. [MHz]	CH.	6dB Bandwidth [MHz]		
				RU Index : Low	RU Index : Mid	RU Index : High
				ANT2	ANT2	ANT2
UNII3	26T	5745	149	2.068	2.661	2.073
		5785	157	2.103	2.638	2.114
		5825	165	2.100	2.673	2.078
UNII4		5845	169	2.084	2.642	2.094
		5865	173	2.077	2.689	2.119
		5885	177	2.044	2.656	2.108
UNII3	52T	5745	149	17.027	15.097	15.875
		5785	157	17.078	13.843	17.033
		5825	165	17.102	13.864	17.098
UNII4		5845	169	15.811	15.090	15.824
		5865	173	15.846	15.094	17.037
		5885	177	14.580	12.604	17.108
UNII3	106T	5745	149	18.127	-	17.405
		5785	157	18.131	-	17.168
		5825	165	18.135	-	17.381
UNII4		5845	169	18.132	-	17.171
		5865	173	18.136	-	17.138
		5885	177	18.129	-	17.396
UNII3	242T	5745	149	-	19.085	-
		5785	157	-	19.114	-
		5825	165	-	19.089	-
UNII4		5845	169	-	19.093	-
		5865	173	-	19.098	-
		5885	177	-	19.117	-
UNII3	SU	5745	149	-	19.049	-
		5785	157	-	19.123	-
		5825	165	-	19.068	-
UNII4		5845	169	-	19.092	-
		5865	173	-	19.085	-
		5885	177	-	19.107	-

Mode : HE40						
Band	Tone	Freq. [MHz]	CH.	6dB Bandwidth [MHz]		
				RU Index : Low	RU Index : Mid	RU Index : High
				ANT2	ANT2	ANT2
UNII3	26T	5755	151	2.139	2.074	2.112
		5795	159	2.124	2.102	2.181
UNII4		5835	167	2.095	2.095	2.147
		5875	175	2.112	2.107	2.144
UNII3	52T	5755	151	14.121	17.334	15.277
		5795	159	16.631	14.816	14.085
UNII4		5835	167	16.617	14.792	16.628
		5875	175	16.615	17.321	16.627
UNII3	106T	5755	151	16.630	17.540	16.631
		5795	159	16.585	17.561	16.654
UNII4		5835	167	16.594	17.513	16.643
		5875	175	16.673	17.588	16.886
UNII3	242T	5755	151	18.904	-	18.891
		5795	159	18.855	-	18.890
UNII4		5835	167	18.898	-	18.875
		5875	175	18.908	-	18.914
UNII3	484T	5755	151	-	38.287	-
		5795	159	-	38.296	-
UNII4		5835	167	-	38.279	-
		5875	175	-	38.233	-
UNII3	SU	5755	151	-	38.274	-
		5795	159	-	38.220	-
UNII4		5835	167	-	38.158	-
		5875	175	-	38.179	-

Mode : HE80						
Band	Tone	Freq. [MHz]	CH.	6dB Bandwidth [MHz]		
				RU Index : Low	RU Index : Mid	RU Index : High
				ANT2	ANT2	ANT2
UNII3	26T	5775	155	2.222	2.832	2.251
UNII4		5855	171	2.230	2.838	2.203
UNII3	52T	5775	155	14.178	16.377	16.577
UNII4		5855	171	10.525	16.257	10.470
UNII3	106T	5775	155	16.810	16.417	16.857
UNII4		5855	171	16.821	16.318	16.829
UNII3	242T	5775	155	18.962	18.988	18.991
UNII4		5855	171	18.940	18.966	18.957
UNII3	484T	5775	155	37.934	-	37.905
UNII4		5855	171	37.950	-	37.932
UNII3	996T	5775	155	-	78.197	-
UNII4		5855	171	-	78.190	-
UNII3	SU	5775	155	-	78.310	-
UNII4		5855	171	-	78.324	-

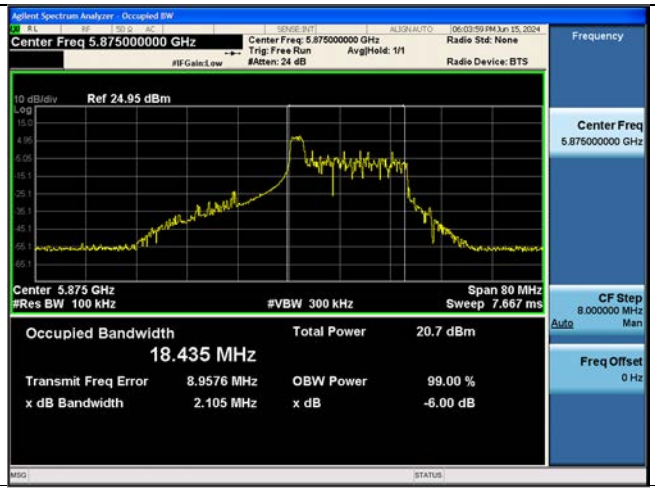
Mode : HE160(80L)						
Band	Tone	Freq. [MHz]	CH.	6dB Bandwidth [MHz]		
				RU Index : Low	RU Index : Mid	RU Index : High
				ANT2	ANT2	ANT2
UNII 3-4	26T	5815	163	2.386	3.044	2.423
UNII 3-4	52T	5815	163	16.925	16.545	16.924
UNII 3-4	106T	5815	163	15.828	16.693	17.125
UNII 3-4	242T	5815	163	19.166	19.119	19.207
UNII 3-4	484T	5815	163	37.899	-	37.896
UNII 3-4	996T	5815	163	-	78.208	-

Mode : HE160(80U)						
Band	Tone	Freq. [MHz]	CH.	6dB Bandwidth [MHz]		
				RU Index : Low	RU Index : Mid	RU Index : High
				ANT2	ANT2	ANT2
UNII 3-4	26T	5815	163	2.442	3.022	2.394
UNII 3-4	52T	5815	163	16.864	16.573	14.399
UNII 3-4	106T	5815	163	17.067	17.414	17.165
UNII 3-4	242T	5815	163	19.216	19.094	19.172
UNII 3-4	484T	5815	163	38.006	-	37.858
UNII 3-4	996T	5815	163	-	78.145	-

Mode : HE160						
Band	Tone	Freq. [MHz]	CH.	6dB Bandwidth [MHz]		
				RU Index : Low	RU Index : Mid	RU Index : High
				ANT2	ANT2	ANT2
UNII 3-4	SU	5815	163	-	158.28	-
UNII 3-4	2x996T	5815	163	-	158.18	-

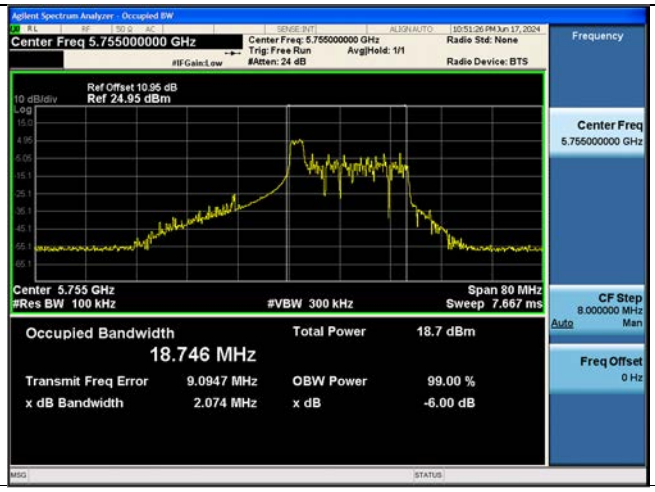
▣ Test Plots

[Ant.1]

Bandwidth 20M Ch.165(5825 MHz) 26Tones RU 0	Bandwidth 40M Ch.175(5875 MHz) 26 Tones RU 9
	
Bandwidth 80M Ch.171(5855 MHz) 26 Tones RU 0	**Bandwidth 160M_80L Ch.163(5815 MHz) 26 Tones RU 0**
	

Note: In order to simplify the report, attached plots were only the narrowest channel.

[Ant.2]

Bandwidth 20M Ch.177(5885 MHz) 26Tones RU 0	Bandwidth 40M Ch.151(5755 MHz) 26 Tones RU 9
	
Bandwidth 80M Ch.171(5855 MHz) 26 Tones RU 36	Bandwidth 160M_80L Ch.163(5815 MHz) 26 Tones RU 0
	

Note: In order to simplify the report, attached plots were only the narrowest channel.

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.

#Note : Max EIRP Power = Conducted Power(Sum) + Ant Gain(Directional Gain)
Ant Total Power [dBm] = Measured Power [dBm] + Duty Cycle Factor [dB]
MIMO Total Power [dBm] = Ant.1 Total Power [dBm] + Ant.2 Total Power [dB]

Limit
(UNII 1) : 23.98 dBm
(UNII 2A, 2C) : 23.98 dBm or 11 dBm + 10 log B, (where B is the 26 dB emission bandwidth in megahertz.)
(UNII 3) : 30.00 dBm
(UNII 4) : EIRP 30.0 dBm/MHz
(UNII 3&4) : Worst limit 30.00 dBm ➔ UNII 4 Band Antenna Gain Negative

10.4.1 MIMO_CDD(Ant.1+ Ant.2)

Mode : HE20 26T

Band	Freq. [MHz]	CH.	Total Average Power [dBm]									Directional Gain	Maximum E.I.R.P
			RU Index : Low			RU Index : Mid			RU Index : High				
			ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	[dBi]	[dBm]
UNII1	5180	36	8.42	8.45	11.44	8.17	8.13	11.16	8.46	8.38	11.43	-	-
	5200	40	8.42	8.59	11.51	8.21	8.31	11.27	8.53	8.55	11.55	-	-
	5240	48	8.42	8.95	11.71	8.17	8.63	11.42	8.50	8.90	11.71	-	-
UNII2A	5260	52	9.54	9.98	12.77	9.28	9.67	12.49	9.59	9.89	12.75	-	-
	5300	60	9.46	9.92	12.71	9.21	9.58	12.41	9.53	9.84	12.70	-	-
	5320	64	9.52	9.91	12.73	9.24	9.57	12.42	9.50	9.83	12.68	-	-
UNII2C	5500	100	9.69	9.45	12.58	9.34	9.08	12.22	9.56	9.37	12.48	-	-
	5600	120	9.92	9.83	12.89	9.61	9.51	12.57	9.89	9.78	12.84	-	-
	5720	144	10.48	10.04	13.28	10.19	9.70	12.96	10.45	9.97	13.23	-	-
UNII3	5745	149	10.58	10.01	13.32	10.27	9.64	12.98	10.56	9.92	13.26	-	-
	5785	157	9.80	9.94	12.88	9.49	9.58	12.55	9.77	9.82	12.81	-	-
	5825	165	10.83	10.09	13.49	10.46	9.71	13.11	10.72	9.96	13.37	-	-
UNII4	5845	169	10.41	10.15	13.29	10.04	9.75	12.91	10.30	9.99	13.16	-0.16	13.13
	5865	173	9.96	10.24	13.11	9.60	9.86	12.74	9.88	10.14	13.02	-0.16	12.95
	5885	177	10.17	10.01	13.10	9.89	9.69	12.81	10.15	9.95	13.06	-0.16	12.94

Mode : HE20 52T

Band	Freq. [MHz]	CH.	Total Average Power [dBm]									Directional Gain	Maximum E.I.R.P
			RU Index : Low			RU Index : Mid			RU Index : High				
			ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	[dBi]	[dBm]
UNII1	5180	36	11.23	11.82	14.55	11.10	11.66	14.40	11.27	11.77	14.54	-	-
	5200	40	11.22	11.91	14.59	11.13	11.77	14.47	11.34	11.88	14.63	-	-
	5240	48	11.10	11.72	14.43	10.98	11.55	14.29	11.16	11.68	14.44	-	-
UNII2A	5260	52	12.41	12.71	15.57	12.23	12.55	15.40	12.40	12.65	15.54	-	-
	5300	60	12.65	12.75	15.71	12.48	12.58	15.54	12.62	12.68	15.66	-	-
	5320	64	12.64	12.73	15.70	12.52	12.56	15.55	12.62	12.65	15.65	-	-
UNII2C	5500	100	12.61	12.80	15.71	12.43	12.64	15.55	12.48	12.73	15.62	-	-
	5600	120	13.26	12.79	16.05	13.11	12.63	15.89	13.26	12.73	16.02	-	-
	5720	144	13.33	12.96	16.16	13.19	12.81	16.01	13.31	12.92	16.13	-	-
UNII3	5745	149	13.50	12.96	16.25	13.32	12.79	16.07	13.42	12.87	16.16	-	-
	5785	157	12.97	12.92	15.95	12.83	12.74	15.80	12.93	12.82	15.89	-	-
	5825	165	13.81	13.05	16.46	13.65	12.89	16.30	13.74	12.98	16.38	-	-
UNII4	5845	169	13.57	13.22	16.41	13.36	13.01	16.20	13.42	13.04	16.24	-0.16	16.25
	5865	173	13.28	13.32	16.31	13.08	13.10	16.10	13.18	13.15	16.17	-0.16	16.15
	5885	177	12.99	12.83	15.92	12.81	12.65	15.74	12.92	12.74	15.84	-0.16	15.76

Mode : HE20 106T

Band	Freq. [MHz]	CH.	Total Average Power [dBm]									Directional Gain	Maximum E.I.R.P
			RU Index : Low			RU Index : Mid			RU Index : High				
			ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	[dBi]	[dBm]
UNII1	5180	36	14.36	14.48	17.43	-	-	-	14.41	14.45	17.44	-	-
	5200	40	14.40	14.62	17.52	-	-	-	14.48	14.56	17.53	-	-
	5240	48	14.39	14.45	17.43	-	-	-	14.54	14.44	17.50	-	-
UNII2A	5260	52	14.90	15.07	18.00	-	-	-	14.96	15.04	18.01	-	-
	5300	60	15.26	15.08	18.18	-	-	-	15.26	15.04	18.16	-	-
	5320	64	15.28	15.09	18.20	-	-	-	15.26	15.04	18.16	-	-
UNII2C	5500	100	15.01	15.18	18.11	-	-	-	14.95	15.13	18.05	-	-
	5600	120	15.78	15.28	18.55	-	-	-	15.76	15.25	18.52	-	-
	5720	144	15.52	15.39	18.46	-	-	-	15.56	15.35	18.47	-	-
UNII3	5745	149	15.68	15.35	18.53	-	-	-	15.65	15.27	18.47	-	-
	5785	157	15.05	15.27	18.17	-	-	-	15.00	15.11	18.07	-	-
	5825	165	15.85	15.23	18.56	-	-	-	15.78	15.16	18.49	-	-
UNII4	5845	169	15.42	15.39	18.42	-	-	-	15.33	15.35	18.35	-0.16	18.26
	5865	173	15.45	15.47	18.47	-	-	-	15.40	15.47	18.45	-0.16	18.31
	5885	177	15.83	15.31	18.59	-	-	-	15.81	15.29	18.57	-0.16	18.43

Mode : HE20 242T

Band	Freq. [MHz]	CH.	Total Average Power [dBm]									Directional Gain	Maximum E.I.R.P
			RU Index : Low			RU Index : Mid			RU Index : High				
			ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	[dBi]	[dBm]
UNII1	5180	36	-	-	-	15.25	15.92	18.61	-	-	-	-	-
	5200	40	-	-	-	16.97	17.05	20.02	-	-	-	-	-
	5240	48	-	-	-	16.80	17.11	19.97	-	-	-	-	-
UNII2A	5260	52	-	-	-	16.86	17.09	19.99	-	-	-	-	-
	5300	60	-	-	-	17.22	17.03	20.13	-	-	-	-	-
	5320	64	-	-	-	15.68	15.86	18.78	-	-	-	-	-
UNII2C	5500	100	-	-	-	14.36	15.00	17.70	-	-	-	-	-
	5600	120	-	-	-	17.70	17.21	20.47	-	-	-	-	-
	5720	144	-	-	-	17.45	17.41	20.44	-	-	-	-	-
UNII3	5745	149	-	-	-	17.58	17.39	20.49	-	-	-	-	-
	5785	157	-	-	-	16.93	17.28	20.12	-	-	-	-	-
	5825	165	-	-	-	17.86	17.36	20.63	-	-	-	-	-
UNII4	5845	169	-	-	-	17.39	17.45	20.43	-	-	-	-0.16	20.27
	5865	173	-	-	-	17.36	17.55	20.47	-	-	-	-0.16	20.31
	5885	177	-	-	-	17.75	17.29	20.54	-	-	-	-0.16	20.38

Mode : HE20 SU

Band	Freq. [MHz]	CH.	Total Average Power [dBm]									Directional Gain	Maximum E.I.R.P
			RU Index : Low			RU Index : Mid			RU Index : High				
			ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	[dBi]	[dBm]
UNII1	5180	36	-	-	-	16.16	16.23	19.20	-	-	-	-	-
	5200	40	-	-	-	16.21	16.28	19.25	-	-	-	-	-
	5240	48	-	-	-	16.02	16.38	19.21	-	-	-	-	-
UNII2A	5260	52	-	-	-	16.23	16.38	19.32	-	-	-	-	-
	5300	60	-	-	-	16.50	16.34	19.43	-	-	-	-	-
	5320	64	-	-	-	16.50	16.31	19.42	-	-	-	-	-
UNII2C	5500	100	-	-	-	16.16	16.46	19.32	-	-	-	-	-
	5600	120	-	-	-	16.91	16.47	19.71	-	-	-	-	-
	5720	144	-	-	-	16.67	16.69	19.69	-	-	-	-	-
UNII3	5745	149	-	-	-	16.83	16.64	19.75	-	-	-	-	-
	5785	157	-	-	-	16.24	16.47	19.37	-	-	-	-	-
	5825	165	-	-	-	17.20	16.59	19.92	-	-	-	-	-
UNII4	5845	169	-	-	-	16.65	16.71	19.69	-	-	-	-0.16	19.53
	5865	173	-	-	-	16.56	16.82	19.70	-	-	-	-0.16	19.54
	5885	177	-	-	-	16.90	16.58	19.75	-	-	-	-0.16	19.59

Mode : HE40 26T

Band	Freq. [MHz]	CH.	Total Average Power [dBm]									Directional Gain	Maximum E.I.R.P
			RU Index : Low			RU Index : Mid			RU Index : High				
			ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	[dBi]	[dBm]
UNII1	5190	38	8.27	8.25	11.27	8.36	8.28	11.33	8.25	8.14	11.20	-	-
	5230	46	8.39	8.47	11.44	8.58	8.60	11.60	8.49	8.46	11.49	-	-
UNII2A	5270	54	9.39	9.83	12.63	9.49	9.85	12.68	9.32	9.71	12.53	-	-
	5310	62	9.37	9.80	12.60	9.42	9.78	12.62	9.30	9.68	12.50	-	-
UNII2C	5510	102	9.47	9.32	12.41	9.55	9.28	12.43	9.38	9.19	12.30	-	-
	5590	118	9.44	9.64	12.56	9.56	9.67	12.63	9.37	9.58	12.49	-	-
	5710	142	10.30	9.87	13.10	10.34	9.83	13.10	10.21	9.83	13.03	-	-
UNII3	5755	151	9.84	9.69	12.78	9.89	9.61	12.76	9.76	9.59	12.69	-	-
	5795	159	9.97	9.78	12.89	9.99	9.75	12.88	9.81	9.64	12.74	-	-
UNII4	5835	167	10.51	10.01	13.28	10.49	9.99	13.26	10.24	9.81	13.04	-0.16	13.12
	5875	175	10.19	10.00	13.10	10.10	9.86	12.99	9.85	9.72	12.80	-0.16	12.94

Mode : HE40 52T

Band	Freq. [MHz]	CH.	Total Average Power [dBm]									Directional Gain	Maximum E.I.R.P
			RU Index : Low			RU Index : Mid			RU Index : High				
			ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	[dBi]	[dBm]
UNII1	5190	38	11.09	11.64	14.38	11.16	11.61	14.40	11.10	11.58	14.36	-	-
	5230	46	11.22	11.49	14.37	11.41	11.56	14.49	11.31	11.49	14.41	-	-
UNII2A	5270	54	12.25	12.53	15.40	12.34	12.55	15.46	12.18	12.44	15.33	-	-
	5310	62	12.49	12.59	15.55	12.53	12.57	15.56	12.44	12.50	15.48	-	-
UNII2C	5510	102	12.41	12.70	15.57	12.46	12.66	15.58	12.36	12.60	15.49	-	-
	5590	118	12.95	12.54	15.76	13.01	12.50	15.78	12.93	12.50	15.73	-	-
	5710	142	13.24	12.82	16.05	13.25	12.79	16.04	13.13	12.77	15.97	-	-
UNII3	5755	151	13.18	12.84	16.02	13.20	12.76	16.00	13.11	12.77	15.95	-	-
	5795	159	13.10	12.79	15.95	13.05	12.71	15.90	12.86	12.65	15.76	-	-
UNII4	5835	167	13.52	12.93	16.25	13.45	12.86	16.17	13.27	12.74	16.02	-0.16	16.09
	5875	175	13.40	12.89	16.17	13.41	12.72	16.09	13.31	12.63	15.99	-0.16	16.01

Mode : HE40 106T

Band	Freq. [MHz]	CH.	Total Average Power [dBm]									Directional Gain	Maximum E.I.R.P
			RU Index : Low			RU Index : Mid			RU Index : High				
			ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	[dBi]	[dBm]
UNII1	5190	38	14.33	14.43	17.39	14.28	14.35	17.33	14.33	14.33	17.34	-	-
	5230	46	14.39	14.57	17.50	14.44	14.46	17.46	14.69	14.64	17.67	-	-
UNII2A	5270	54	14.86	14.98	17.93	14.79	14.93	17.87	14.95	14.91	17.94	-	-
	5310	62	15.22	15.05	18.14	15.13	14.96	18.05	15.26	14.94	18.11	-	-
UNII2C	5510	102	15.02	15.12	18.08	14.78	15.01	17.91	14.96	15.07	18.02	-	-
	5590	118	15.55	15.07	18.33	15.42	15.00	18.22	15.58	15.04	18.33	-	-
	5710	142	15.54	15.35	18.45	15.39	15.25	18.33	15.50	15.25	18.39	-	-
UNII3	5755	151	15.49	15.24	18.38	15.39	15.09	18.25	15.39	15.15	18.28	-	-
	5795	159	15.27	15.20	18.24	15.15	15.06	18.12	15.05	14.99	18.03	-	-
UNII4	5835	167	15.67	15.25	18.48	15.56	15.07	18.33	15.47	15.13	18.32	-0.16	18.32
	5875	175	15.78	14.91	18.38	15.65	14.72	18.22	15.51	14.64	18.11	-0.16	18.22

Mode : HE40 242T

Band	Freq. [MHz]	CH.	Total Average Power [dBm]									Directional Gain	Maximum E.I.R.P
			RU Index : Low			RU Index : Mid			RU Index : High				
			ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	[dBi]	[dBm]
UNII1	5190	38	15.15	15.79	18.49	-	-	-	15.23	15.78	18.53	-	-
	5230	46	16.87	17.04	19.96	-	-	-	17.02	17.07	20.06	-	-
UNII2A	5270	54	16.76	17.01	19.90	-	-	-	16.82	17.00	19.92	-	-
	5310	62	17.18	16.99	20.10	-	-	-	17.18	16.96	20.09	-	-
UNII2C	5510	102	14.28	14.94	17.63	-	-	-	14.30	14.93	17.64	-	-
	5590	118	17.45	17.00	20.24	-	-	-	17.47	17.01	20.26	-	-
	5710	142	17.42	17.38	20.41	-	-	-	17.38	17.38	20.39	-	-
UNII3	5755	151	17.41	17.25	20.34	-	-	-	17.40	17.23	20.32	-	-
	5795	159	17.20	17.20	20.21	-	-	-	17.10	17.37	20.25	-	-
UNII4	5835	167	17.49	17.33	20.42	-	-	-	17.40	17.26	20.34	-0.16	20.26
	5875	175	17.95	17.30	20.65	-	-	-	17.97	17.34	20.67	-0.16	20.51

Mode : HE40 484T

Band	Freq. [MHz]	CH.	Total Average Power [dBm]									Directional Gain	Maximum E.I.R.P
			RU Index : Low			RU Index : Mid			RU Index : High				
			ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	[dBi]	[dBm]
UNII1	5190	38	-	-	-	15.83	15.86	18.86	-	-	-	-	-
	5230	46	-	-	-	15.86	15.94	18.91	-	-	-	-	-
UNII2A	5270	54	-	-	-	15.84	16.01	18.93	-	-	-	-	-
	5310	62	-	-	-	14.59	14.90	17.76	-	-	-	-	-
UNII2C	5510	102	-	-	-	14.37	14.95	17.68	-	-	-	-	-
	5590	118	-	-	-	16.46	15.95	19.23	-	-	-	-	-
	5710	142	-	-	-	16.45	16.29	19.38	-	-	-	-	-
UNII3	5755	151	-	-	-	16.34	16.14	19.25	-	-	-	-	-
	5795	159	-	-	-	16.10	16.10	19.11	-	-	-	-	-
UNII4	5835	167	-	-	-	16.50	16.23	19.38	-	-	-	-0.16	19.22
	5875	175	-	-	-	16.99	16.29	19.66	-	-	-	-0.16	19.50

Mode : HE40 SU

Band	Freq. [MHz]	CH.	Total Average Power [dBm]									Directional Gain	Maximum E.I.R.P
			RU Index : Low			RU Index : Mid			RU Index : High				
			ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	[dBi]	[dBm]
UNII1	5190	38	-	-	-	15.57	15.64	18.61	-	-	-	-	-
	5230	46	-	-	-	15.62	15.72	18.68	-	-	-	-	-
UNII2A	5270	54	-	-	-	15.60	15.79	18.71	-	-	-	-	-
	5310	62	-	-	-	15.94	15.64	18.80	-	-	-	-	-
UNII2C	5510	102	-	-	-	14.18	14.74	17.48	-	-	-	-	-
	5590	118	-	-	-	16.24	15.72	19.00	-	-	-	-	-
	5710	142	-	-	-	16.18	16.07	19.13	-	-	-	-	-
UNII3	5755	151	-	-	-	16.11	15.93	19.03	-	-	-	-	-
	5795	159	-	-	-	15.87	15.86	18.87	-	-	-	-	-
UNII4	5835	167	-	-	-	16.26	15.97	19.13	-	-	-	-0.16	18.97
	5875	175	-	-	-	16.75	16.04	19.42	-	-	-	-0.16	19.26

Mode : HE80 26T

Band	Freq. [MHz]	CH.	Total Average Power [dBm]									Directional Gain	Maximum E.I.R.P
			RU Index : Low			RU Index : Mid			RU Index : High				
			ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	[dBi]	[dBm]
UNII1	5210	42	7.44	7.96	10.72	7.11	7.55	10.34	7.83	8.11	10.98	-	-
UNII2A	5290	58	9.97	9.71	12.85	9.61	9.33	12.48	10.11	9.76	12.95	-	-
UNII2C	5530	106	9.69	9.71	12.71	9.34	9.29	12.32	9.85	9.74	12.80	-	-
	5610	122	9.80	9.65	12.73	9.46	9.32	12.40	9.86	9.68	12.78	-	-
	5690	138	10.70	9.99	13.37	10.29	9.52	12.93	10.76	9.91	13.36	-	-
UNII3	5775	155	9.94	9.46	12.72	9.57	9.10	12.35	9.91	9.46	12.70	-	-
UNII4	5855	171	10.28	10.15	13.23	9.72	9.71	12.73	10.01	9.83	12.93	-0.16	13.07

Mode : HE80 52T

Band	Freq. [MHz]	CH.	Total Average Power [dBm]									Directional Gain	Maximum E.I.R.P
			RU Index : Low			RU Index : Mid			RU Index : High				
			ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	[dBi]	[dBm]
UNII1	5210	42	10.71	11.38	14.07	10.53	11.13	13.85	11.07	11.52	14.31	-	-
UNII2A	5290	58	13.03	12.66	15.86	12.86	12.40	15.65	13.17	12.69	15.94	-	-
UNII2C	5530	106	12.83	12.89	15.87	12.63	12.66	15.65	12.98	12.87	15.94	-	-
	5610	122	13.28	12.73	16.03	13.12	12.57	15.86	13.40	12.80	16.12	-	-
	5690	138	12.60	12.51	15.56	12.41	12.25	15.34	12.68	12.47	15.59	-	-
UNII3	5775	155	13.27	12.84	16.07	13.08	12.62	15.87	13.31	12.85	16.10	-	-
UNII4	5855	171	13.54	13.28	16.42	13.10	12.97	16.04	13.33	12.98	16.17	-0.16	16.26

Mode : HE80 106T

Band	Freq. [MHz]	CH.	Total Average Power [dBm]									Directional Gain	Maximum E.I.R.P
			RU Index : Low			RU Index : Mid			RU Index : High				
			ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	[dBi]	[dBm]
UNII1	5210	42	13.78	14.15	16.98	13.91	13.98	16.96	14.17	14.08	17.14	-	-
UNII2A	5290	58	15.37	15.04	18.22	15.25	14.82	18.05	15.49	15.00	18.26	-	-
UNII2C	5530	106	14.99	15.26	18.14	15.00	15.11	18.06	15.25	15.25	18.26	-	-
	5610	122	15.71	15.28	18.51	15.63	15.13	18.40	15.79	15.19	18.51	-	-
	5690	138	15.55	15.41	18.49	15.47	15.29	18.39	15.64	15.40	18.53	-	-
UNII3	5775	155	15.69	15.27	18.50	15.48	15.06	18.29	15.59	15.07	18.35	-	-
UNII4	5855	171	15.51	15.21	18.37	15.18	15.26	18.23	15.41	15.48	18.46	-0.16	18.30

Mode : HE80 242T

Band	Freq. [MHz]	CH.	Total Average Power [dBm]									Directional Gain	Maximum E.I.R.P
			RU Index : Low			RU Index : Mid			RU Index : High				
			ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	[dBi]	[dBm]
UNII1	5210	42	14.13	15.03	17.61	14.21	15.03	17.65	14.45	15.07	17.78	-	-
UNII2A	5290	58	15.23	15.35	18.30	15.24	15.31	18.29	15.30	15.26	18.29	-	-
UNII2C	5530	106	13.86	14.51	17.21	13.87	14.55	17.23	13.97	14.49	17.25	-	-
	5610	122	16.16	15.88	19.03	16.23	15.93	19.09	16.23	15.85	19.05	-	-
	5690	138	15.78	15.78	18.79	15.79	15.78	18.79	15.83	15.76	18.80	-	-
UNII3	5775	155	16.32	16.18	19.26	16.38	16.18	19.29	16.38	16.03	19.22	-	-
UNII4	5855	171	17.39	17.41	20.41	17.34	17.45	20.41	17.23	17.39	20.32	-0.16	20.25

Mode : HE80 484T

Band	Freq. [MHz]	CH.	Total Average Power [dBm]									Directional Gain	Maximum E.I.R.P
			RU Index : Low			RU Index : Mid			RU Index : High				
			ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	[dBi]	[dBm]
UNII1	5210	42	14.23	15.10	17.70	-	-	-	14.44	15.11	17.80	-	-
UNII2A	5290	58	14.72	14.86	17.80	-	-	-	14.80	14.86	17.84	-	-
UNII2C	5530	106	13.96	14.59	17.30	-	-	-	14.02	14.58	17.32	-	-
	5610	122	16.63	16.17	19.42	-	-	-	16.61	16.12	19.38	-	-
	5690	138	16.46	16.38	19.43	-	-	-	16.48	16.39	19.45	-	-
UNII3	5775	155	16.55	16.16	19.37	-	-	-	16.49	16.04	19.28	-	-
UNII4	5855	171	16.29	16.42	19.37	-	-	-	16.10	16.40	19.26	-0.16	19.21

Mode : HE80 996T

Band	Freq. [MHz]	CH.	Total Average Power [dBm]									Directional Gain	Maximum E.I.R.P
			RU Index : Low			RU Index : Mid			RU Index : High				
			ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	[dBi]	[dBm]
UNII1	5210	42	-	-	-	14.83	15.05	17.95	-	-	-	-	-
UNII2A	5290	58	-	-	-	14.12	14.27	17.21	-	-	-	-	-
UNII2C	5530	106	-	-	-	13.43	14.02	16.75	-	-	-	-	-
	5610	122	-	-	-	15.54	15.05	18.32	-	-	-	-	-
	5690	138	-	-	-	15.36	15.19	18.29	-	-	-	-	-
UNII3	5775	155	-	-	-	15.47	15.00	18.25	-	-	-	-	-
UNII4	5855	171	-	-	-	15.21	15.24	18.24	-	-	-	-0.16	18.08

Mode : HE80 SU

Band	Freq. [MHz]	CH.	Total Average Power [dBm]									Directional Gain	Maximum E.I.R.P
			RU Index : Low			RU Index : Mid			RU Index : High				
			ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	[dBi]	[dBm]
UNII1	5210	42	-	-	-	14.56	14.78	17.68	-	-	-	-	-
UNII2A	5290	58	-	-	-	14.95	14.52	17.75	-	-	-	-	-
UNII2C	5530	106	-	-	-	14.64	14.79	17.73	-	-	-	-	-
	5610	122	-	-	-	15.29	14.81	18.07	-	-	-	-	-
	5690	138	-	-	-	15.14	14.93	18.05	-	-	-	-	-
UNII3	5775	155	-	-	-	15.21	14.73	17.98	-	-	-	-	-
UNII4	5855	171	-	-	-	14.96	14.93	17.95	-	-	-	-0.16	17.79

Mode : HE160(80L)

Band	Tone	Freq. [MHz]	CH.	Total Average Power [dBm]									Directional Gain	Maximum E.I.R.P
				RU Index : Low			RU Index : Mid			RU Index : High				
				ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	[dBi]	[dBm]
UNII 1-2A	26T	5250	50	7.15	8.34	10.80	7.51	8.62	11.11	7.81	8.69	11.28	-	-
UNII 2C		5570	114	9.83	9.73	12.79	9.91	9.86	12.89	9.92	9.79	12.86	-	-
UNII 3-4		5815	163	10.55	10.26	13.41	10.81	10.39	13.62	10.77	10.30	13.55	-0.16	13.46
UNII 1-2A	52T	5250	50	10.43	11.31	13.90	10.65	11.46	14.08	11.06	11.53	14.31	-	-
UNII 2C		5570	114	13.05	13.12	16.10	13.15	13.22	16.20	13.20	13.20	16.21	-	-
UNII 3-4		5815	163	13.67	13.24	16.47	13.84	13.38	16.63	13.87	13.25	16.58	-0.16	16.47
UNII 1-2A	106T	5250	50	13.99	14.23	17.12	14.19	14.36	17.29	14.49	14.43	17.47	-	-
UNII 2C		5570	114	15.04	15.23	18.15	15.16	15.32	18.25	15.18	15.28	18.24	-	-
UNII 3-4		5815	163	14.03	13.70	16.88	14.25	13.79	17.03	14.32	13.74	17.05	-0.16	16.89
UNII 1-2A	242T	5250	50	11.69	12.78	15.28	11.76	12.79	15.32	12.05	12.86	15.49	-	-
UNII 2C		5570	114	13.99	14.62	17.33	14.08	14.59	17.35	14.18	14.55	17.38	-	-
UNII 3-4		5815	163	14.97	14.71	17.85	15.07	14.76	17.93	15.14	14.76	17.96	-0.16	17.80
UNII 1-2A	484T	5250	50	13.35	14.17	16.79	-	-	-	13.64	14.33	17.01	-	-
UNII 2C		5570	114	13.51	14.13	16.84	-	-	-	13.57	14.15	16.88	-	-
UNII 3-4		5815	163	14.09	13.70	16.91	-	-	-	14.24	13.77	17.02	-0.16	16.86
UNII 1-2A	996T	5250	50	-	-	-	13.47	14.21	16.87	-	-	-	-	-
UNII 2C		5570	114	-	-	-	13.51	14.09	16.82	-	-	-	-	-
UNII 3-4		5815	163	-	-	-	15.70	15.31	18.52	-	-	-	-0.16	18.36

Mode : HE160(80U)

Band	Tone	Freq. [MHz]	CH.	Total Average Power [dBm]									Directional Gain	Maximum E.I.R.P
				RU Index : Low			RU Index : Mid			RU Index : High				
				ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	[dBi]	[dBm]
UNII 1-2A	26T	5250	50	7.68	8.75	11.26	7.90	8.77	11.37	7.84	8.61	11.25	-	-
UNII 2C		5570	114	9.98	9.86	12.93	10.07	9.83	12.96	9.92	9.66	12.80	-	-
UNII 3-4		5815	163	10.72	10.37	13.56	10.68	10.37	13.54	10.19	9.83	13.02	-0.16	13.40
UNII 1-2A	52T	5250	50	10.94	11.62	14.30	11.07	11.62	14.36	11.09	11.48	14.30	-	-
UNII 2C		5570	114	13.24	13.17	16.22	13.32	13.20	16.27	13.25	13.05	16.16	-	-
UNII 3-4		5815	163	13.82	13.35	16.60	13.63	13.27	16.46	13.33	12.84	16.10	-0.16	16.44
UNII 1-2A	106T	5250	50	14.44	14.54	17.50	14.53	14.55	17.55	14.51	14.47	17.50	-	-
UNII 2C		5570	114	15.21	15.24	18.24	15.29	15.28	18.30	15.30	15.10	18.21	-	-
UNII 3-4		5815	163	14.30	13.77	17.05	14.22	13.76	17.01	13.94	13.49	16.73	-0.16	16.89
UNII 1-2A	242T	5250	50	12.18	12.92	15.57	12.19	12.91	15.57	12.29	12.90	15.61	-	-
UNII 2C		5570	114	14.20	14.55	17.39	14.29	14.53	17.42	14.32	14.53	17.44	-	-
UNII 3-4		5815	163	15.16	14.58	17.89	15.13	14.77	17.97	14.83	14.52	17.69	-0.16	17.81
UNII 1-2A	484T	5250	50	13.78	14.30	17.06	-	-	-	13.86	14.34	17.12	-	-
UNII 2C		5570	114	13.72	14.12	16.93	-	-	-	13.76	14.10	16.94	-	-
UNII 3-4		5815	163	14.26	13.76	17.03	-	-	-	14.06	13.62	16.86	-0.16	16.87
UNII 1-2A	996T	5250	50	-	-	-	13.80	14.31	17.07	-	-	-	-	-
UNII 2C		5570	114	-	-	-	13.72	14.06	16.90	-	-	-	-	-
UNII 3-4		5815	163	-	-	-	15.53	15.21	18.39	-	-	-	-0.16	18.23

Mode : HE160

Band	Tone	Freq. [MHz]	CH.	Total Average Power [dBm]									Directional Gain	Maximum E.I.R.P
				RU Index : Low			RU Index : Mid			RU Index : High				
				ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	[dBi]	[dBm]
UNII 1-2A	SU	5250	50	-	-	-	13.18	13.90	16.57	-	-	-	-	-
UNII 2C		5570	114	-	-	-	13.18	13.66	16.44	-	-	-	-	-
UNII 3-4		5815	163	-	-	-	15.71	15.40	18.57	-	-	-	-0.16	18.41
UNII 1-2A	2x996T	5250	50	-	-	-	13.19	13.92	16.58	-	-	-	-	-
UNII 2C		5570	114	-	-	-	13.19	13.69	16.46	-	-	-	-	-
UNII 3-4		5815	163	-	-	-	15.73	15.33	18.55	-	-	-	-0.16	18.39

10.5 POWER SPECTRAL DENSITY

#Note : Max EIRP PSD = Power Spectral Density(Sum) + Ant Gain(Directional Gain)

Ant Total PSD [dBm] = Measured PSD [dBm] + Duty Cycle Factor [dB]

MIMO Total PSD [dBm] = Ant.1 Total PSD [dBm] + Ant.2 Total PSD [dB]

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

Limit(UNII 3) : 30.0 dBm/500 kHz

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

10.5.1 MIMO_CDD(Ant.1+Ant.2)

Mode : HE20 26T													
Band	Freq. [MHz]	CH.	Total Power Spectral Density [dBm/MHz]									Directional Gain	Maximum E.I.R.PSD
			RU Index : Low			RU Index : Mid			RU Index : High				
			ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	[dBi]	[dBm/MHz]
UNII1	5180	36	5.732	5.755	8.754	4.476	4.313	7.405	5.945	5.573	8.773	-	-
	5200	40	5.863	6.058	8.972	4.510	4.694	7.613	5.842	5.697	8.780	-	-
	5240	48	5.684	6.650	9.204	4.393	5.044	7.741	5.931	6.173	9.064	-	-
UNII2A	5260	52	7.067	7.209	10.149	5.479	6.211	8.871	6.959	7.368	10.179	-	-
	5300	60	6.983	7.344	10.177	5.784	5.911	8.858	7.116	7.298	10.218	-	-
	5320	64	7.124	7.393	10.271	5.605	6.038	8.837	7.095	7.537	10.332	-	-
UNII2C	5500	100	7.230	6.741	10.003	5.672	5.460	8.577	7.277	6.685	10.001	-	-
	5600	120	7.634	7.454	10.555	5.956	6.296	9.140	7.084	6.946	10.026	-	-
	5720	144	8.119	7.636	10.894	6.528	5.956	9.262	7.891	7.128	10.536	-	-
UNII3	5745	149	5.254	4.682	7.988	4.704	3.953	7.355	5.419	4.578	8.029	-	-
	5785	157	4.599	4.734	7.677	3.861	4.482	7.193	4.510	4.707	7.620	-	-
	5825	165	5.799	5.326	8.579	5.144	4.638	7.909	6.209	4.894	8.611	-	-
UNII4	5845	169	8.130	7.747	10.953	6.580	6.710	9.656	7.900	7.829	10.875	-0.16	10.793
	5865	173	7.711	7.947	10.841	6.316	6.846	9.599	7.550	7.886	10.731	-0.16	10.681
	5885	177	7.858	7.799	10.839	6.567	6.200	9.398	7.613	7.588	10.611	-0.16	10.679

Mode : HE20 52T													
Band	Freq. [MHz]	CH.	Total Power Spectral Density [dBm/MHz]									Directional Gain	Maximum E.I.R.PSD
			RU Index : Low			RU Index : Mid			RU Index : High				
			ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	[dBi]	[dBm/MHz]
UNII1	5180	36	5.628	6.192	8.930	5.405	5.989	8.717	5.723	6.260	9.010	-	-
	5200	40	5.698	6.281	9.010	5.390	6.134	8.788	5.859	6.249	9.069	-	-
	5240	48	5.739	6.548	9.173	5.865	6.237	9.066	5.812	6.383	9.117	-	-
UNII2A	5260	52	6.923	7.240	10.095	6.806	7.230	10.034	7.220	7.197	10.219	-	-
	5300	60	7.240	7.402	10.332	7.148	7.104	10.137	7.400	7.323	10.372	-	-
	5320	64	7.350	7.425	10.398	7.082	7.279	10.192	7.499	7.398	10.459	-	-
UNII2C	5500	100	7.178	7.626	10.418	6.992	7.576	10.304	6.938	7.725	10.360	-	-
	5600	120	8.075	7.300	10.715	7.848	7.154	10.525	7.991	7.179	10.614	-	-
	5720	144	7.943	7.732	10.849	7.873	7.463	10.683	8.011	7.517	10.782	-	-
UNII3	5745	149	5.229	5.021	8.137	4.988	4.558	7.789	5.280	5.033	8.169	-	-
	5785	157	4.980	4.845	7.924	5.048	4.467	7.778	5.084	4.792	7.951	-	-
	5825	165	5.955	4.978	8.504	5.437	4.895	8.185	6.075	5.063	8.609	-	-
UNII4	5845	169	8.544	8.023	11.302	8.190	7.967	11.090	8.163	7.887	11.038	-0.16	11.142
	5865	173	8.255	8.133	11.205	8.148	8.146	11.158	8.036	7.947	11.002	-0.16	11.045
	5885	177	7.864	7.675	10.781	7.595	7.736	10.677	7.666	7.695	10.691	-0.16	10.621

Mode : HE20 106T

Band	Freq. [MHz]	CH.	Total Power Spectral Density [dBm/MHz]									Directional Gain	Maximum E.I.R.PSD
			RU Index : Low			RU Index : Mid			RU Index : High				
			ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	[dBi]	[dBm/MHz]
UNII1	5180	36	5.942	6.197	9.082	-	-	-	6.072	5.959	9.027	-	-
	5200	40	5.925	6.210	9.081	-	-	-	6.032	6.212	9.134	-	-
	5240	48	6.197	6.264	9.241	-	-	-	6.182	6.107	9.155	-	-
UNII2A	5260	52	6.464	6.752	9.621	-	-	-	6.871	6.842	9.867	-	-
	5300	60	6.940	6.856	9.909	-	-	-	7.156	6.799	9.992	-	-
	5320	64	7.059	7.023	10.052	-	-	-	7.027	6.721	9.887	-	-
UNII2C	5500	100	6.666	7.028	9.861	-	-	-	6.401	6.622	9.524	-	-
	5600	120	7.310	6.844	10.094	-	-	-	7.423	6.815	10.140	-	-
	5720	144	7.122	6.954	10.050	-	-	-	7.113	6.959	10.047	-	-
UNII3	5745	149	4.533	4.184	7.373	-	-	-	4.570	4.272	7.434	-	-
	5785	157	4.015	4.183	7.111	-	-	-	4.078	4.191	7.146	-	-
	5825	165	5.102	4.440	7.794	-	-	-	5.064	4.432	7.770	-	-
UNII4	5845	169	7.724	7.336	10.545	-	-	-	7.478	7.108	10.308	-0.16	10.385
	5865	173	7.319	7.340	10.340	-	-	-	7.482	7.149	10.329	-0.16	10.180
	5885	177	7.575	7.191	10.398	-	-	-	7.742	7.055	10.423	-0.16	10.263

Mode : HE20 242T

Band	Freq. [MHz]	CH.	Total Power Spectral Density [dBm/MHz]									Directional Gain	Maximum E.I.R.PSD
			RU Index : Low			RU Index : Mid			RU Index : High				
			ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	[dBi]	[dBm/MHz]
UNII1	5180	36	-	-	-	3.143	3.722	6.453	-	-	-	-	-
	5200	40	-	-	-	5.126	5.155	8.151	-	-	-	-	-
	5240	48	-	-	-	5.100	5.297	8.210	-	-	-	-	-
UNII2A	5260	52	-	-	-	5.091	5.239	8.176	-	-	-	-	-
	5300	60	-	-	-	5.640	5.423	8.543	-	-	-	-	-
	5320	64	-	-	-	3.690	3.795	6.753	-	-	-	-	-
UNII2C	5500	100	-	-	-	2.306	2.896	5.622	-	-	-	-	-
	5600	120	-	-	-	5.955	5.519	8.753	-	-	-	-	-
	5720	144	-	-	-	5.681	5.717	8.710	-	-	-	-	-
UNII3	5745	149	-	-	-	3.146	2.911	6.041	-	-	-	-	-
	5785	157	-	-	-	2.634	3.013	5.838	-	-	-	-	-
	5825	165	-	-	-	3.642	2.948	6.319	-	-	-	-	-
UNII4	5845	169	-	-	-	6.118	6.251	9.196	-	-	-	-0.16	9.036
	5865	173	-	-	-	5.700	6.185	8.960	-	-	-	-0.16	8.800
	5885	177	-	-	-	6.376	5.551	8.994	-	-	-	-0.16	8.834

Mode : HE20 SU

Band	Freq. [MHz]	CH.	Total Power Spectral Density [dBm/MHz]									Directional Gain	Maximum E.I.R.PSD
			RU Index : Low			RU Index : Mid			RU Index : High				
			ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	[dBi]	[dBm/MHz]
UNII1	5180	36	-	-	-	4.329	4.116	7.234	-	-	-	-	-
	5200	40	-	-	-	4.245	4.248	7.257	-	-	-	-	-
	5240	48	-	-	-	4.208	4.517	7.376	-	-	-	-	-
UNII2A	5260	52	-	-	-	4.227	4.589	7.422	-	-	-	-	-
	5300	60	-	-	-	4.907	4.558	7.747	-	-	-	-	-
	5320	64	-	-	-	4.710	4.495	7.615	-	-	-	-	-
UNII2C	5500	100	-	-	-	4.331	4.404	7.378	-	-	-	-	-
	5600	120	-	-	-	5.349	4.600	8.001	-	-	-	-	-
	5720	144	-	-	-	4.956	4.870	7.924	-	-	-	-	-
UNII3	5745	149	-	-	-	2.311	1.993	5.166	-	-	-	-	-
	5785	157	-	-	-	1.975	2.153	5.076	-	-	-	-	-
	5825	165	-	-	-	2.868	2.672	5.782	-	-	-	-	-
UNII4	5845	169	-	-	-	5.173	5.164	8.179	-	-	-	-0.16	8.019
	5865	173	-	-	-	4.853	4.961	7.918	-	-	-	-0.16	7.758
	5885	177	-	-	-	5.274	4.739	8.025	-	-	-	-0.16	7.865

Mode : HE40 26T

Band	Freq. [MHz]	CH.	Total Power Spectral Density [dBm/MHz]									Directional Gain	Maximum E.I.R.PSD
			RU Index : Low			RU Index : Mid			RU Index : High				
			ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	[dBi]	[dBm/MHz]
UNII1	5190	38	5.519	5.851	8.699	5.735	5.716	8.736	5.503	5.538	8.531	-	-
	5230	46	5.789	5.940	8.876	5.873	6.049	8.972	6.249	5.758	9.021	-	-
UNII2A	5270	54	6.811	7.045	9.940	6.831	7.381	10.125	6.619	6.928	9.787	-	-
	5310	62	6.593	7.043	9.834	6.906	6.992	9.960	6.658	7.080	9.885	-	-
UNII2C	5510	102	6.924	6.743	9.845	6.927	6.702	9.826	6.817	6.482	9.663	-	-
	5590	118	6.836	7.170	10.017	6.916	7.042	9.990	6.799	6.679	9.750	-	-
	5710	142	7.849	7.361	10.622	7.518	7.422	10.481	7.353	7.196	10.286	-	-
UNII3	5755	151	4.639	4.708	7.684	4.327	4.045	7.199	4.204	4.429	7.328	-	-
	5795	159	4.854	4.546	7.713	4.718	4.522	7.632	4.802	4.480	7.654	-	-
UNII4	5835	167	7.792	7.311	10.569	7.949	7.324	10.658	7.655	7.615	10.646	-0.16	10.498
	5875	175	7.531	7.572	10.562	7.477	7.391	10.445	7.478	7.077	10.293	-0.16	10.402

Mode : HE40 52T

Band	Freq. [MHz]	CH.	Total Power Spectral Density [dBm/MHz]									Directional Gain	Maximum E.I.R.PSD
			RU Index : Low			RU Index : Mid			RU Index : High				
			ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	[dBi]	[dBm/MHz]
UNII1	5190	38	5.571	6.576	9.113	5.692	6.137	8.931	5.702	6.203	8.970	-	-
	5230	46	5.958	6.155	9.068	5.849	6.239	9.059	5.966	6.120	9.054	-	-
UNII2A	5270	54	6.856	6.933	9.905	7.258	7.170	10.225	6.963	7.335	10.164	-	-
	5310	62	7.066	7.204	10.146	7.230	6.977	10.116	6.900	7.219	10.073	-	-
UNII2C	5510	102	7.038	7.701	10.393	7.006	7.458	10.248	6.660	7.116	9.905	-	-
	5590	118	7.568	7.190	10.394	7.512	6.917	10.235	7.548	7.138	10.358	-	-
	5710	142	8.126	7.461	10.817	7.826	7.440	10.648	7.687	7.356	10.535	-	-
UNII3	5755	151	4.925	4.705	7.827	5.169	4.610	7.909	5.128	4.731	7.945	-	-
	5795	159	4.847	4.926	7.897	4.934	4.589	7.775	4.741	4.482	7.624	-	-
UNII4	5835	167	8.291	7.432	10.893	8.129	7.340	10.763	7.986	7.366	10.698	-0.16	10.733
	5875	175	8.443	7.462	10.991	8.213	7.786	11.015	7.886	7.430	10.675	-0.16	10.855

Mode : HE40 106T

Band	Freq. [MHz]	CH.	Total Power Spectral Density [dBm/MHz]									Directional Gain	Maximum E.I.R.PSD
			RU Index : Low			RU Index : Mid			RU Index : High				
			ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	[dBi]	[dBm/MHz]
UNII1	5190	38	5.972	6.216	9.106	5.916	6.149	9.044	6.283	5.967	9.138	-	-
	5230	46	5.854	5.968	8.921	6.003	5.855	8.940	6.098	6.123	9.121	-	-
UNII2A	5270	54	6.619	6.677	9.658	6.489	6.473	9.491	6.608	6.510	9.569	-	-
	5310	62	7.153	6.682	9.934	6.904	6.683	9.805	7.001	6.664	9.846	-	-
UNII2C	5510	102	6.755	6.876	9.826	6.448	6.915	9.698	6.484	6.537	9.521	-	-
	5590	118	7.405	6.976	10.206	7.127	6.797	9.975	7.259	6.565	9.936	-	-
	5710	142	7.234	7.297	10.276	7.311	6.861	10.102	7.467	6.864	10.186	-	-
UNII3	5755	151	4.444	3.985	7.231	4.594	4.134	7.380	4.327	3.928	7.142	-	-
	5795	159	4.100	4.131	7.126	4.150	4.235	7.203	4.101	3.814	6.970	-	-
UNII4	5835	167	7.333	6.874	10.120	7.674	6.583	10.173	7.112	6.906	10.020	-0.16	10.013
	5875	175	7.410	6.824	10.137	7.084	6.704	9.908	6.937	6.796	9.877	-0.16	9.977

Mode : HE40 242T

Band	Freq. [MHz]	CH.	Total Power Spectral Density [dBm/MHz]									Directional Gain	Maximum E.I.R.PSD
			RU Index : Low			RU Index : Mid			RU Index : High				
			ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	[dBi]	[dBm/MHz]
UNII1	5190	38	3.185	3.925	6.581	-	-	-	3.127	3.768	6.469	-	-
	5230	46	5.109	5.121	8.125	-	-	-	5.190	5.246	8.228	-	-
UNII2A	5270	54	5.100	5.468	8.298	-	-	-	5.230	5.249	8.249	-	-
	5310	62	5.619	5.114	8.384	-	-	-	5.680	5.388	8.546	-	-
UNII2C	5510	102	2.359	3.092	5.751	-	-	-	2.385	3.251	5.849	-	-
	5590	118	5.617	5.063	8.359	-	-	-	5.686	5.362	8.537	-	-
	5710	142	5.773	5.505	8.651	-	-	-	5.871	5.527	8.712	-	-
UNII3	5755	151	3.093	2.538	5.834	-	-	-	2.965	2.437	5.719	-	-
	5795	159	3.084	2.678	5.896	-	-	-	2.711	2.734	5.732	-	-
UNII4	5835	167	5.965	5.439	8.720	-	-	-	5.878	5.645	8.773	-0.16	8.613
	5875	175	6.120	5.437	8.802	-	-	-	6.216	5.476	8.872	-0.16	8.712

Mode : HE40 484T

Band	Freq. [MHz]	CH.	Total Power Spectral Density [dBm/MHz]									Directional Gain	Maximum E.I.R.PSD
			RU Index : Low			RU Index : Mid			RU Index : High				
			ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	[dBi]	[dBm/MHz]
UNII1	5190	38	-	-	-	1.037	1.013	4.035	-	-	-	-	-
	5230	46	-	-	-	0.957	1.251	4.117	-	-	-	-	-
UNII2A	5270	54	-	-	-	1.150	1.501	4.339	-	-	-	-	-
	5310	62	-	-	-	-0.328	0.245	2.978	-	-	-	-	-
UNII2C	5510	102	-	-	-	-0.422	0.287	2.957	-	-	-	-	-
	5590	118	-	-	-	1.648	1.159	4.421	-	-	-	-	-
	5710	142	-	-	-	2.006	1.654	4.844	-	-	-	-	-
UNII3	5755	151	-	-	-	-0.477	-0.994	2.282	-	-	-	-	-
	5795	159	-	-	-	-1.296	-1.343	1.691	-	-	-	-	-
UNII4	5835	167	-	-	-	1.902	1.594	4.761	-	-	-	-0.16	4.601
	5875	175	-	-	-	2.319	1.646	5.006	-	-	-	-0.16	4.846

Mode : HE40 SU

Band	Freq. [MHz]	CH.	Total Power Spectral Density [dBm/MHz]									Directional Gain	Maximum E.I.R.PSD
			RU Index : Low			RU Index : Mid			RU Index : High				
			ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	[dBi]	[dBm/MHz]
UNII1	5190	38	-	-	-	0.854	0.896	3.885	-	-	-	-	-
	5230	46	-	-	-	0.829	0.901	3.876	-	-	-	-	-
UNII2A	5270	54	-	-	-	1.005	0.955	3.990	-	-	-	-	-
	5310	62	-	-	-	1.288	1.068	4.190	-	-	-	-	-
UNII2C	5510	102	-	-	-	-0.862	0.053	2.630	-	-	-	-	-
	5590	118	-	-	-	1.464	0.983	4.241	-	-	-	-	-
	5710	142	-	-	-	1.472	1.236	4.366	-	-	-	-	-
UNII3	5755	151	-	-	-	-1.311	-1.490	1.611	-	-	-	-	-
	5795	159	-	-	-	-1.549	-1.538	1.467	-	-	-	-	-
UNII4	5835	167	-	-	-	1.809	1.405	4.622	-	-	-	-0.16	4.462
	5875	175	-	-	-	2.107	1.427	4.791	-	-	-	-0.16	4.631

Mode : HE80 26T

Band	Freq. [MHz]	CH.	Total Power Spectral Density [dBm/MHz]									Directional Gain	Maximum E.I.R.PSD
			RU Index : Low			RU Index : Mid			RU Index : High				
			ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	[dBi]	[dBm/MHz]
UNII1	5210	42	5.349	5.206	8.289	3.914	4.050	6.993	5.476	5.628	8.563	-	-
UNII2A	5290	58	7.522	7.063	10.309	6.029	5.766	8.910	7.308	7.068	10.200	-	-
UNII2C	5530	106	7.221	7.035	10.140	5.409	5.952	8.700	7.293	7.196	10.256	-	-
	5610	122	7.290	7.103	10.208	6.044	5.761	8.916	7.164	7.105	10.145	-	-
	5690	138	8.186	7.405	10.824	6.413	5.846	9.150	8.137	7.248	10.726	-	-
UNII3	5775	155	4.547	3.670	7.141	3.903	3.397	6.668	4.325	3.748	7.057	-	-
UNII4	5855	171	7.520	7.658	10.600	6.208	6.039	9.135	7.422	7.771	10.611	-0.16	10.451

Mode : HE80 52T

Band	Freq. [MHz]	CH.	Total Power Spectral Density [dBm/MHz]									Directional Gain	Maximum E.I.R.PSD
			RU Index : Low			RU Index : Mid			RU Index : High				
			ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	[dBi]	[dBm/MHz]
UNII1	5210	42	5.876	6.246	9.075	5.995	6.171	9.094	6.282	6.081	9.193	-	-
UNII2A	5290	58	7.750	7.673	10.722	7.493	6.920	10.226	7.855	7.494	10.689	-	-
UNII2C	5530	106	7.576	7.577	10.587	7.307	7.542	10.437	7.744	7.842	10.804	-	-
	5610	122	8.032	7.379	10.728	7.648	7.393	10.533	8.034	7.626	10.845	-	-
	5690	138	7.409	7.522	10.476	7.040	7.065	10.063	7.336	7.204	10.281	-	-
UNII3	5775	155	4.912	4.482	7.713	4.629	4.108	7.387	4.784	4.522	7.666	-	-
UNII4	5855	171	7.960	7.726	10.855	7.964	7.549	10.772	8.017	7.644	10.845	-0.16	10.695

Mode : HE80 106T

Band	Freq. [MHz]	CH.	Total Power Spectral Density [dBm/MHz]									Directional Gain	Maximum E.I.R.PSD
			RU Index : Low			RU Index : Mid			RU Index : High				
			ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	[dBi]	[dBm/MHz]
UNII1	5210	42	5.468	5.916	8.708	5.705	5.513	8.620	5.690	5.659	8.685	-	-
UNII2A	5290	58	7.197	6.829	10.027	6.981	6.487	9.751	7.305	6.820	10.079	-	-
UNII2C	5530	106	6.693	6.933	9.825	6.528	6.546	9.547	6.743	6.890	9.827	-	-
	5610	122	7.198	6.808	10.017	7.394	6.915	10.171	7.541	7.267	10.416	-	-
	5690	138	7.547	7.168	10.372	7.439	7.101	10.283	7.209	7.066	10.148	-	-
UNII3	5775	155	4.578	3.970	7.295	4.129	3.763	6.960	4.577	3.628	7.138	-	-
UNII4	5855	171	7.705	7.010	10.382	7.123	6.914	10.030	7.452	7.207	10.341	-0.16	10.222

Mode : HE80 242T

Band	Freq. [MHz]	CH.	Total Power Spectral Density [dBm/MHz]									Directional Gain	Maximum E.I.R.PSD
			RU Index : Low			RU Index : Mid			RU Index : High				
			ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	[dBi]	[dBm/MHz]
UNII1	5210	42	2.515	3.305	5.938	2.368	3.251	5.842	2.749	3.476	6.138	-	-
UNII2A	5290	58	3.517	3.558	6.547	3.289	3.682	6.500	3.418	3.682	6.562	-	-
UNII2C	5530	106	2.038	3.133	5.630	1.971	2.855	5.445	2.116	2.802	5.482	-	-
	5610	122	4.348	4.349	7.358	4.302	4.389	7.356	4.444	4.914	7.695	-	-
	5690	138	3.919	4.594	7.279	3.946	4.121	7.044	3.997	4.111	7.064	-	-
UNII3	5775	155	1.559	1.586	4.582	1.573	1.533	4.563	1.301	1.171	4.246	-	-
UNII4	5855	171	5.948	6.015	8.992	5.911	5.912	8.921	5.772	5.526	8.661	-0.16	8.832

Mode : HE80 484T

Band	Freq. [MHz]	CH.	Total Power Spectral Density [dBm/MHz]									Directional Gain	Maximum E.I.R.PSD
			RU Index : Low			RU Index : Mid			RU Index : High				
			ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	[dBi]	[dBm/MHz]
UNII1	5210	42	-0.441	0.648	3.148	-	-	-	-0.052	0.512	3.249	-	-
UNII2A	5290	58	-0.078	0.250	3.099	-	-	-	-0.200	0.448	3.146	-	-
UNII2C	5530	106	-0.969	-0.167	2.461	-	-	-	-0.863	0.155	2.686	-	-
	5610	122	2.003	1.533	4.785	-	-	-	2.391	1.612	5.029	-	-
	5690	138	1.920	1.793	4.867	-	-	-	2.333	1.752	5.062	-	-
UNII3	5775	155	-0.840	-1.591	1.811	-	-	-	-0.642	-1.505	1.958	-	-
UNII4	5855	171	1.786	1.844	4.825	-	-	-	1.936	1.961	4.959	-0.16	4.799

Mode : HE80 996T

Band	Freq. [MHz]	CH.	Total Power Spectral Density [dBm/MHz]									Directional Gain	Maximum E.I.R.PSD
			RU Index : Low			RU Index : Mid			RU Index : High				
			ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	[dBi]	[dBm/MHz]
UNII1	5210	42	-	-	-	-2.163	-2.423	0.719	-	-	-	-	-
UNII2A	5290	58	-	-	-	-3.818	-3.380	-0.584	-	-	-	-	-
UNII2C	5530	106	-	-	-	-4.000	-3.603	-0.787	-	-	-	-	-
	5610	122	-	-	-	-1.977	-2.449	0.803	-	-	-	-	-
	5690	138	-	-	-	-2.187	-2.193	0.820	-	-	-	-	-
UNII3	5775	155	-	-	-	-4.973	-5.757	-2.337	-	-	-	-	-
UNII4	5855	171	-	-	-	-2.187	-2.334	0.750	-	-	-	-0.16	0.590

Mode : HE80 SU

Band	Freq. [MHz]	CH.	Total Power Spectral Density [dBm/MHz]									Directional Gain	Maximum E.I.R.PSD
			RU Index : Low			RU Index : Mid			RU Index : High				
			ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	[dBi]	[dBm/MHz]
UNII1	5210	42	-	-	-	-2.591	-2.733	0.349	-	-	-	-	-
UNII2A	5290	58	-	-	-	-2.859	-2.948	0.107	-	-	-	-	-
UNII2C	5530	106	-	-	-	-2.938	-2.676	0.205	-	-	-	-	-
	5610	122	-	-	-	-2.468	-2.809	0.375	-	-	-	-	-
	5690	138	-	-	-	-2.627	-2.777	0.309	-	-	-	-	-
UNII3	5775	155	-	-	-	-5.276	-5.862	-2.549	-	-	-	-	-
UNII4	5855	171	-	-	-	-2.448	-2.375	0.599	-	-	-	-0.16	0.439

Mode : HE160(80L)

Band	Tone	Freq. [MHz]	CH.	Total Power Spectral Density [dBm/MHz]									Directional Gain	Maximum E.I.R.PSD
				RU Index : Low			RU Index : Mid			RU Index : High				
				ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	[dBi]	[dBm/MHz]
UNII 1-2A	26T	5250	50	4.957	6.131	8.594	4.310	5.249	7.816	5.960	6.265	9.126	-	-
UNII 2C		5570	114	6.447	6.959	9.721	5.717	5.328	8.538	6.231	6.065	9.159	-	-
UNII 3-4		5815	163	7.477	6.882	10.200	6.842	6.331	9.605	7.866	7.361	10.632	-0.16	10.472
UNII 1-2A	52T	5250	50	5.155	5.635	8.412	5.136	5.923	8.558	5.987	6.276	9.144	-	-
UNII 2C		5570	114	7.404	7.264	10.345	7.031	7.291	10.173	7.054	6.915	9.996	-	-
UNII 3-4		5815	163	8.152	7.294	10.755	8.052	7.545	10.816	8.006	7.493	10.768	-0.16	10.656
UNII 1-2A	106T	5250	50	5.514	5.811	8.676	6.045	6.163	9.115	6.002	6.195	9.110	-	-
UNII 2C		5570	114	6.184	6.784	9.505	6.199	6.258	9.239	6.025	6.039	9.043	-	-
UNII 3-4		5815	163	5.274	4.977	8.139	5.474	5.183	8.342	5.459	5.175	8.330	-0.16	8.182
UNII 1-2A	242T	5250	50	-0.696	0.323	2.854	-0.794	0.507	2.915	-0.263	0.743	3.279	-	-
UNII 2C		5570	114	1.422	2.535	5.024	1.496	2.000	4.766	1.306	2.022	4.689	-	-
UNII 3-4		5815	163	2.856	2.960	5.919	2.799	2.639	5.730	2.957	2.596	5.791	-0.16	5.759
UNII 1-2A	484T	5250	50	-1.863	-0.897	1.657	-	-	-	-1.623	-0.958	1.732	-	-
UNII 2C		5570	114	-1.947	-1.178	1.465	-	-	-	-2.201	-1.387	1.235	-	-
UNII 3-4		5815	163	-1.027	-1.264	1.866	-	-	-	-0.961	-1.238	1.913	-0.16	1.753
UNII 1-2A	996T	5250	50	-	-	-	-4.383	-3.902	-1.125	-	-	-	-	-
UNII 2C		5570	114	-	-	-	-5.186	-4.273	-1.695	-	-	-	-	-
UNII 3-4		5815	163	-	-	-	-2.214	-2.732	0.545	-	-	-	-0.16	0.385

Mode : HE160(80U)

Band	Tone	Freq. [MHz]	CH.	Total Power Spectral Density [dBm/MHz]									Directional Gain	Maximum E.I.R.PSD
				RU Index : Low			RU Index : Mid			RU Index : High				
				ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	[dBi]	[dBm/MHz]
UNII 1-2A	26T	5250	50	5.717	6.324	9.042	4.885	5.360	8.140	5.922	6.175	9.061	-	-
UNII 2C		5570	114	6.872	6.589	9.743	5.078	5.129	8.114	6.206	6.335	9.282	-	-
UNII 3-4		5815	163	7.600	7.277	10.452	6.536	6.060	9.315	7.485	6.844	10.187	-0.16	10.292
UNII 1-2A	52T	5250	50	5.949	6.001	8.986	5.628	6.296	8.985	5.567	6.098	8.851	-	-
UNII 2C		5570	114	7.090	6.874	9.994	7.154	7.025	10.101	7.258	6.867	10.077	-	-
UNII 3-4		5815	163	7.975	7.397	10.706	7.954	7.533	10.759	7.755	7.022	10.414	-0.16	10.599
UNII 1-2A	106T	5250	50	5.771	6.162	8.982	5.899	6.178	9.051	5.902	6.229	9.079	-	-
UNII 2C		5570	114	6.009	5.918	8.974	6.276	6.028	9.164	5.935	6.040	8.998	-	-
UNII 3-4		5815	163	5.542	5.017	8.298	5.316	5.036	8.189	5.290	4.768	8.048	-0.16	8.138
UNII 1-2A	242T	5250	50	-0.203	0.510	3.178	-0.325	0.667	3.210	-0.224	0.485	3.155	-	-
UNII 2C		5570	114	1.502	1.862	4.696	1.533	1.984	4.775	1.516	1.842	4.692	-	-
UNII 3-4		5815	163	2.762	2.758	5.770	2.908	2.537	5.737	2.653	2.586	5.630	-0.16	5.610
UNII 1-2A	484T	5250	50	-1.727	-0.850	1.744	-	-	-	-1.601	-0.814	1.820	-	-
UNII 2C		5570	114	-1.996	-1.335	1.357	-	-	-	-1.845	-1.407	1.390	-	-
UNII 3-4		5815	163	-0.905	-1.243	1.939	-	-	-	-1.104	-1.192	1.862	-0.16	1.779
UNII 1-2A	996T	5250	50	-	-	-	-4.631	-3.834	-1.204	-	-	-	-	-
UNII 2C		5570	114	-	-	-	-5.122	-4.345	-1.705	-	-	-	-	-
UNII 3-4		5815	163	-	-	-	-2.523	-2.607	0.446	-	-	-	-0.16	0.286

Mode : HE160

Band	Tone	Freq. [MHz]	CH.	Total Power Spectral Density [dBm/MHz]									Directional Gain	Maximum E.I.R.PSD
				RU Index : Low			RU Index : Mid			RU Index : High				
				ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	[dBi]	[dBm/MHz]
UNII 1-2A	SU	5250	50	-	-	-	-7.791	-7.171	-4.460	-	-	-	-	-
UNII 2C		5570	114	-	-	-	-8.177	-7.706	-4.925	-	-	-	-	-
UNII 3-4		5815	163	-	-	-	-5.161	-5.529	-2.331	-	-	-	-0.16	-2.491
UNII 1-2A	2x996T	5250	50	-	-	-	-7.778	-7.287	-4.515	-	-	-	-	-
UNII 2C		5570	114	-	-	-	-8.161	-7.613	-4.868	-	-	-	-	-
UNII 3-4		5815	163	-	-	-	-5.189	-5.329	-2.248	-	-	-	-0.16	-2.408

[MIMO_CDD(Ant.1+Ant.2)]

Note: In order to simplify the report, attached plots were only channel of the highest PSD.

▣ Test Plots

Ant.1	Ant.2
UNII 1-2C Bandwidth 20M Ch.144(5720 MHz) 26 Tone RU 0	
	
UNII 3 Bandwidth 20M Ch.165(5825 MHz) 26 Tone RU 8	
	

Ant.1	Ant.2

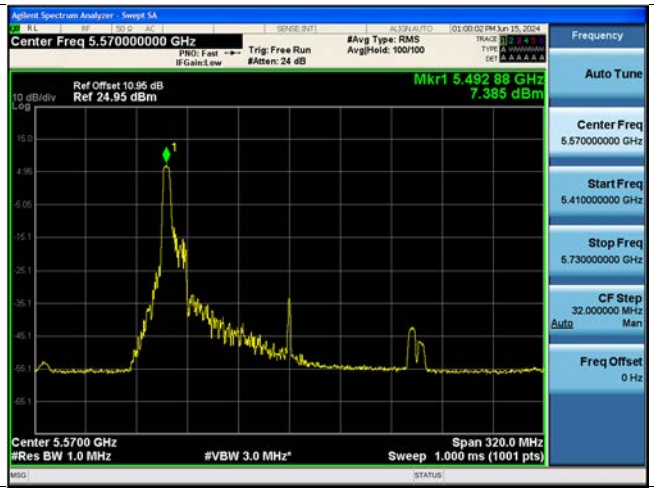
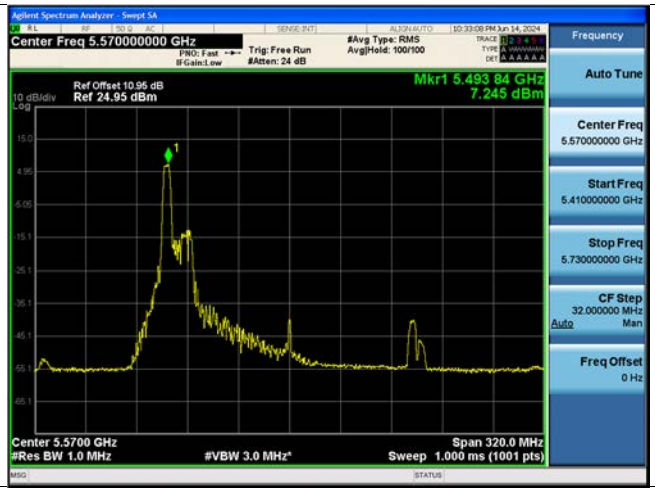
UNII 1-2C Bandwidth 40M Ch.142 (5710 MHz) 52 Tone RU 37

UNII 3 Bandwidth 40M Ch.151 (5775 MHz) 52 Tone RU 44

Ant.1	Ant.2

UNII 1-2C Bandwidth 80M Ch.122 (5610 MHz) 52 Tone RU 52

UNII 3 Bandwidth 80M Ch.155 (5775 MHz) 52 Tone RU 37

Ant.1	Ant.2
UNII 1-2C Bandwidth 160M_80L Ch.114 (5570 MHz) 52 Tones RU 37	
	

▣ Test Plots(UNII4 Band, EIRP)

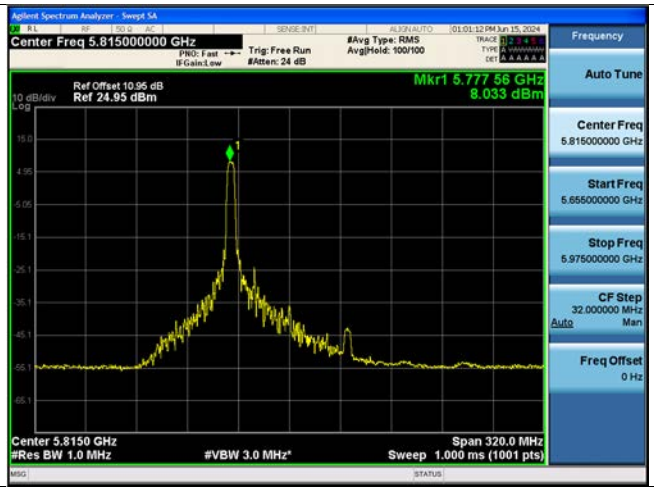
Note: In order to simplify the report, attached plots were only channel of the highest PSD.

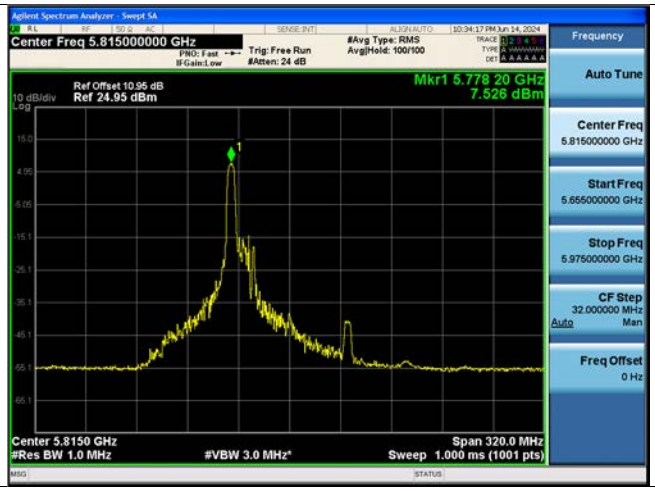
Ant.1	Ant.2
UNII 4 Bandwidth 20M Ch.169 (5845 MHz) 26Tone RU 37	
	
UNII 4 Bandwidth 40M Ch.175 (5875 MHz) 52 Tone RU 41	
	

Ant.1	Ant.2

UNII 4 Bandwidth 80M Ch.171 (5855 MHz) 52Tone RU 37

UNII 4 Bandwidth 160M_80L Ch.163 (5815 MHz) 52 Tones RU 45





10.6 STRADDLE CHANNEL

Test Description	Note
26 dB Bandwidth	1. [UNII 2C] 26 dB Bandwidth = 5725 MHz - Measured Frequency[MHz] 2. [UNII 3] 26 dB Bandwidth = Measured Frequency[MHz] -5725 MHz
6 dB Bandwidth	1. 6 dB Bandwidth = Measured Frequency[MHz] – 5725 MHz 2. Limit : > 0.5 MHz
Output Power	1. Limit(UNII2C) : 23.98 dBm or 11 dBm + 10 log B, (where B is the 26 dB emission bandwidth in megahertz.) 2. Limit(UNII 3) : 30.00 dBm 3. Total Power (dBm) = Measured Value (dBm) + Duty Cycle Factor (dB)
Power Spectral Density	1. Limit(UNII 2C) : 11.0 dBm/MHz 2. Limit(UNII 3) : 30.0 dBm/500 kHz 3. Total PSD (dBm) = Measured Value (dBm) + Duty Cycle Factor (dB)

Note:
(1) : 6dB bandwidth is only located in UNII 2C. Therefore 6dB bandwidth do not overlap.
(2) : 26dB bandwidth is only located in UNII 2C. Therefore 26dB bandwidth do not overlap.

10.6.1 Ant.1

Mode : HE20

Freq.[MHz]	CH.	Tone	RUIndex	26dB BW[MHz]		6dB BW[MHz]	Total Power[dBm]		Total PSD[dBm/MHz]	
				UNII 2C	UNII 3	UNII 3	UNII 2C	UNII 3	UNII 2C	UNII 3
5720	144	26T	(1) 0	15.96	4.24	-	10.34	-18.59	7.957	-19.738
			(1) 4	14.04	4.32	-	9.93	-18.23	6.471	-21.024
			7	14.16	4.44	2.52	-5.98	10.10	-1.789	5.070
			8	14.08	5.80	4.56	-12.17	10.23	-17.292	5.047
		52T	(1) 37	16.16	4.32	-	13.21	-13.90	7.608	-18.429
			(1) 38	14.40	4.56	-	13.00	-15.60	7.578	-15.428
			39	14.40	4.48	2.56	12.48	3.00	7.775	3.898
			40	14.36	5.88	4.56	-4.80	13.04	-1.718	4.783
		106T	(1) 53	15.92	4.84	-	15.51	-10.23	7.080	-14.290
			54	14.72	5.96	4.60	11.93	12.91	6.903	4.085
		242T	61	16.04	5.92	4.56	16.18	11.30	5.474	2.695
		SU	-	15.68	5.92	4.56	16.21	11.34	5.598	2.595

Mode : HE40

Freq. [MHz]	CH.	Tone	RU Index	26dB BW [MHz]		6dB BW [MHz]	Total Power [dBm]		Total PSD [dBm/MHz]	
				UNII 2C	UNII 3	UNII 3	UNII 2C	UNII 3	UNII 2C	UNII 3
5710	142	26T	(1)(2) 0	-	-	-	-	-	-	-
			(1) 9	18.36	4.12	-	10.15	-18.46	7.738	-22.591
			16	14.20	5.16	2.04	0.25	9.63	3.960	4.924
			17	14.28	6.36	4.12	-11.70	10.01	-17.132	4.599
		52T	(1)(2) 37	-	-	-	-	-	-	-
			(1) 41	19.56	4.44	-	13.06	-15.03	7.839	-19.436
			43	14.76	4.44	2.60	12.94	-3.22	7.643	-5.745
			44	14.76	6.84	4.12	0.40	12.72	4.352	4.732
		106T	(1)(2) 53	-	-	-	-	-	-	-
			(1)(2) 54	-	-	-	-	-	-	-
			55	18.44	5.48	2.60	15.35	-10.35	6.785	-16.003
			56	14.92	6.76	4.12	12.61	12.34	7.025	4.272
		242T	(1)(2) 61	-	-	-	-	-	-	-
			62	26.20	6.52	4.12	16.41	10.66	5.485	2.532
		484T	65	36.76	5.96	4.12	16.07	6.59	1.722	-1.689
		SU	-	36.68	5.96	4.12	15.98	6.52	1.646	-1.384

Mode : HE80										
Freq. [MHz]	CH.	Tone	RU Index	26dB BW [MHz]		6dB BW [MHz]	Total Power [dBm]		Total PSD [dBm/MHz]	
				UNII 2C	UNII 3	UNII 3	UNII 2C	UNII 3	UNII 2C	UNII 3
5690	138	26T	(1)(2) 0	-	-	-	-	-	-	-
			(1)(2) 18	-	-	-	-	-	-	-
			35	15.32	7.08	2.12	0.58	10.11	3.637	5.124
			36	14.68	7.72	4.20	-11.29	10.61	-16.881	5.298
		52T	(1)(2) 37	-	-	-	-	-	-	-
			(1)(2) 45	-	-	-	-	-	-	-
			51	15.16	5.16	2.76	12.37	-3.75	7.331	-8.051
			52	15.16	8.68	4.20	-0.04	12.34	3.245	4.513
		106T	(1)(2) 53	-	-	-	-	-	-	-
			(1)(2) 57	-	-	-	-	-	-	-
			59	21.72	6.28	2.76	15.40	-10.38	6.968	-14.067
			60	16.44	8.04	4.20	12.77	12.53	7.241	4.573
		242T	(1)(2) 61	-	-	-	-	-	-	-
			(1)(2) 62	-	-	-	-	-	-	-
			(1)(2) 63	-	-	-	-	-	-	-
			64	35.64	8.52	4.20	15.03	9.64	4.333	1.330
		484T	(1)(2) 65	-	-	-	-	-	-	-
			66	60.28	9.32	4.36	16.16	7.25	1.915	-0.969
		996T	67	78.20	8.68	4.20	15.46	3.18	-2.279	-4.999
		SU	-	78.04	8.68	4.20	15.32	3.07	-2.291	-5.008

10.6.2 Ant.2

Mode : HE20									
Freq.[MHz]	CH.	Tone	RUIndex	26dB BW[MHz]		6dB BW[MHz]	Total Power[dBm]		Total PSD[dBm/MHz]	
				UNII 2C	UNII 3	UNII 3	UNII 2C	UNII 3	UNII 2C	UNII 3
5720	144	26T	(1) 0	15.96	3.88	-	9.89	-18.41	7.223	-24.788
			(1) 4	14.28	4.04	-	9.46	-18.43	5.847	-21.299
			7	14.04	4.40	2.52	-6.38	9.62	-2.240	4.538
			8	14.20	5.96	4.52	-12.51	9.76	-16.055	4.454
		52T	(1) 37	16.08	4.36	-	12.90	-15.06	7.518	-33.856
			(1) 38	14.40	4.52	-	12.64	-15.66	7.270	-17.167
			39	14.40	3.92	1.28	12.17	2.65	7.105	3.388
			40	14.32	6.00	4.56	-5.24	12.68	-1.670	4.375
		106T	(1) 53	15.96	4.76	-	15.22	-10.59	6.881	-13.901
			54	14.60	6.00	4.60	11.63	12.60	6.549	3.805
		242T	61	15.96	5.92	4.52	16.04	11.13	5.288	2.606
		SU	-	15.80	5.92	4.52	15.98	11.08	5.382	2.482

Mode : HE40									
Freq. [MHz]	CH.	Tone	RU Index	26dB BW [MHz]		6dB BW [MHz]	Total Power [dBm]		Total PSD [dBm/MHz]	
				UNII 2C	UNII 3	UNII 3	UNII 2C	UNII 3	UNII 2C	UNII 3
5710	142	26T	(1)(2) 0	-	-	-	-	-	-	-
			(1) 9	18.28	4.12	-	9.67	-19.53	7.039	-22.578
			16	14.28	4.60	2.04	-0.28	9.19	4.126	4.331
			17	14.36	6.28	4.12	-12.84	9.60	-17.769	3.952
		52T	(1)(2) 37	-	-	-	-	-	-	-
			(1) 41	19.64	4.60	-	12.61	-17.20	7.127	-18.515
			43	14.28	4.28	2.60	12.52	-3.62	7.153	-6.534
			44	14.60	6.84	4.12	-0.13	12.32	3.502	4.256
		106T	(1)(2) 53	-	-	-	-	-	-	-
			(1)(2) 54	-	-	-	-	-	-	-
			55	23.64	5.48	2.60	15.16	-11.72	6.656	-14.843
			56	14.84	6.68	4.12	12.30	11.89	6.626	3.739
		242T	(1)(2) 61	-	-	-	-	-	-	-
			62	26.92	6.52	4.12	16.21	10.54	5.337	2.293
		484T	65	36.76	6.04	4.12	15.76	6.42	1.363	-1.651
		SU	-	36.84	6.04	4.20	15.70	6.33	1.249	-1.944

Mode : HE80										
Freq. [MHz]	CH.	Tone	RU Index	26dB BW [MHz]		6dB BW [MHz]	Total Power [dBm]		Total PSD [dBm/MHz]	
				UNII 2C	UNII 3	UNII 3	UNII 2C	UNII 3	UNII 2C	UNII 3
5690	138	26T	(1)(2) 0	-	-	-	-	-	-	-
			(1)(2) 18	-	-	-	-	-	-	-
			35	15.32	7.08	2.12	-0.15	9.29	2.728	4.517
			36	15.00	8.04	4.20	-12.19	9.75	-19.781	4.557
		52T	(1)(2) 37	-	-	-	-	-	-	-
			(1)(2) 45	-	-	-	-	-	-	-
			51	15.96	5.32	2.60	12.12	-3.91	6.781	-8.077
			52	15.64	8.84	4.20	-0.35	12.07	2.751	4.241
		106T	(1)(2) 53	-	-	-	-	-	-	-
			(1)(2) 57	-	-	-	-	-	-	-
			59	21.88	6.28	2.76	15.00	-9.54	6.690	-16.499
			60	16.44	8.04	4.20	12.40	12.13	6.703	4.206
		242T	(1)(2) 61	-	-	-	-	-	-	-
			(1)(2) 62	-	-	-	-	-	-	-
			(1)(2) 63	-	-	-	-	-	-	-
			64	35.96	8.68	4.20	14.61	9.19	3.754	1.088
		484T	(1)(2) 65	-	-	-	-	-	-	-
			66	60.12	9.00	4.36	15.87	6.92	1.596	-1.261
		996T	67	78.20	8.36	4.20	15.08	2.64	-2.591	-5.320
		SU	-	78.04	8.52	4.20	14.96	2.59	-2.779	-5.537

▣ Test Plots(26dB Bandwidth)

Note: In order to simplify the report, attached plots were only the widest channel. (UNII1~3)

[Ant.1]

UNII 2C	UNII 3
20M Ch.144(5720 MHz) 52 Tones RU 37	20M Ch.144(5720 MHz) 106 Tones RU 54
	
40M Ch.142(5710 MHz) 484 Tones RU 65	40M Ch.142(5710 MHz) 52 Tones RU 44
	
80M Ch.138(5690 MHz) 996 Tones RU 67	80M Ch.138(5690 MHz) 484 Tones RU 66
	

[Ant.2]

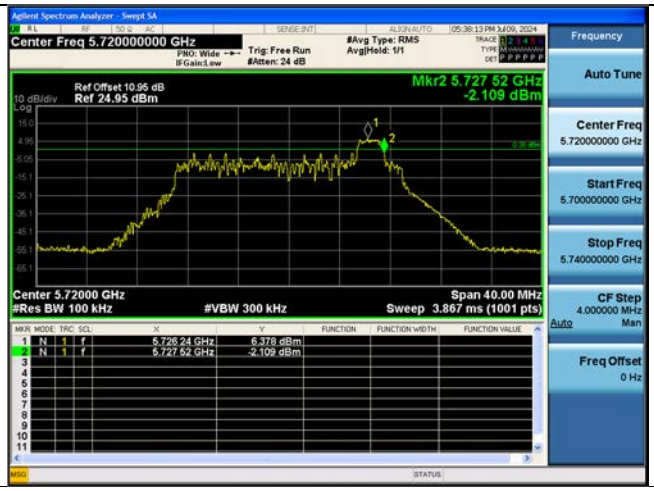
UNII 2C	UNII 3
20M Ch.144(5720 MHz) 52 Tones RU 37	20M Ch.144(5720 MHz) 52 Tones RU 40
	
40M Ch.142(5710 MHz) SU	40M Ch.142(5710 MHz) 52 Tones RU 44
	
80M Ch.138(5690 MHz) 996 Tones RU 67	80M Ch.138(5690 MHz) 484 Tones RU 66
	

▣ Test Plots(6dB Bandwidth)

Note: In order to simplify the report, attached plots were only the narrowest channel. (UNII1~3)

[Ant.1]

20M Ch.144(5720 MHz) 26 Tones RU 7



40M Ch.142(5710 MHz) 26 Tones RU 16

80M Ch.138(5690 MHz) 26 Tones RU 35

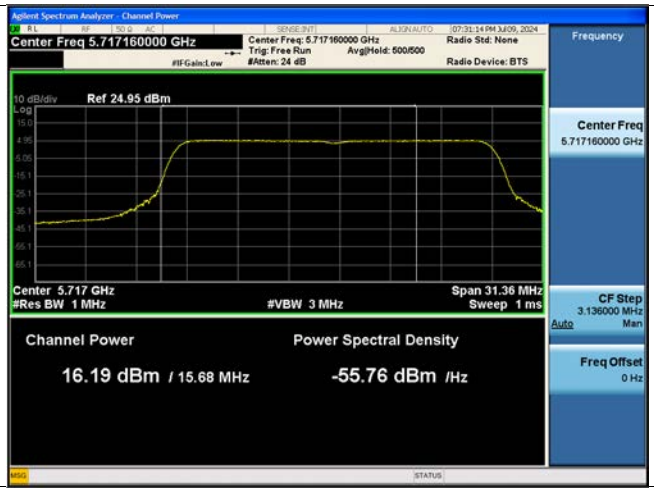
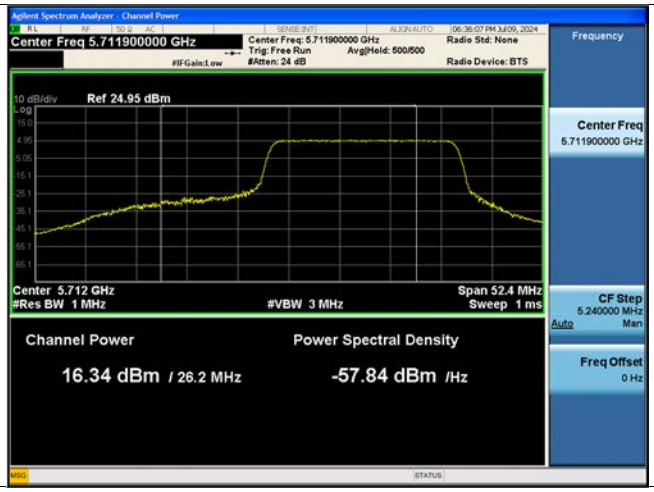
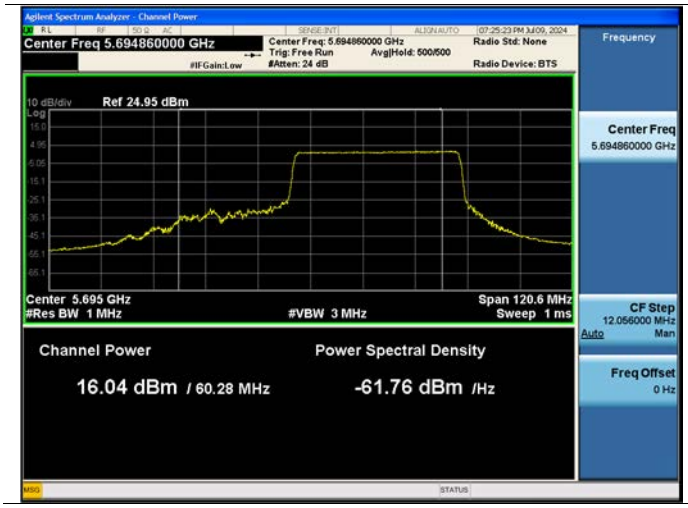
[Ant.2]

20M Ch.144(5720 MHz) 52 Tones RU 39	40M Ch.142(5710 MHz) 26 Tones RU 16
	
80M Ch.138(5690 MHz) 26 Tones RU 35	
	

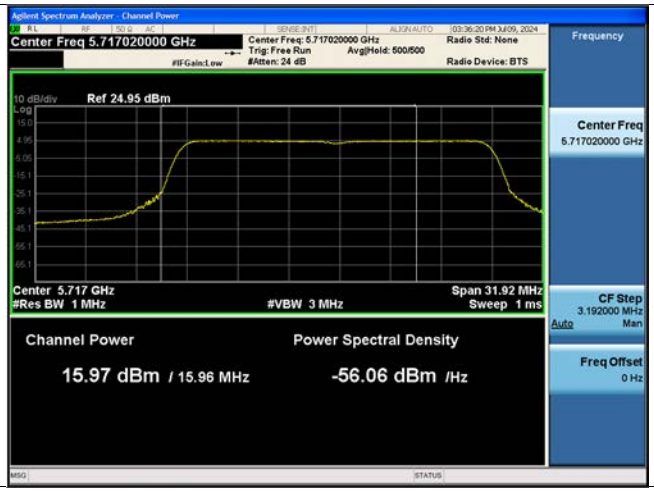
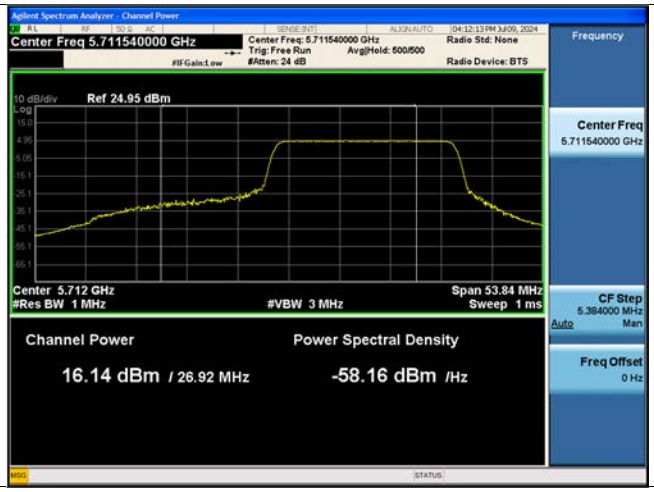
▣ Test Plots(Output Power)

Note: In order to simplify the report, attached plots were only channel of highest Power.

[Ant.1]

UNII 2C	UNII 3
20M Ch.144(5720 MHz) SU	20M Ch.144(5720 MHz) 52 Tones RU 40
	
40M Ch.142(5710 MHz) 242 Tones RU 62	40M Ch.142(5710 MHz) 52 Tones RU 44
	
80M Ch.138(5690 MHz) 484 Tones RU 66	80M Ch.138(5690 MHz) 106 Tones RU 60
	

[Ant.2]

UNII 2C	UNII 3
20M Ch.144(5720 MHz) 242 Tones RU 61	20M Ch.144(5720 MHz) 52 Tones RU 40
	
40M Ch.142(5710 MHz) 242 Tones RU 62	40M Ch.142(5710 MHz) 52 Tones RU 44
	
80M Ch.138(5690 MHz) 484 Tones RU 66	80M Ch.138(5690 MHz) 106 Tones RU 60