

3.5 Contention Based Protocol

3.5.1 Limit of Contention Based Protocol

<FCC 14-30 CFR 15.407>

(d)(6) Indoor access points, subordinate devices and client devices operating in the 5.925-7.125 GHz band must employ a contention-based protocol.

FCC KDB 987594 D02 U-NII 6GHz EMC Measurement v01

Unlicensed low-power indoor devices must detect co-channel radio frequency power that is at least -62 dBm or lower. Upon detection of energy in the band, unlicensed low power indoor devices must vacate the channel and stay off the channel as long as detected radio frequency power is equal to or greater than the threshold (-62 dBm). The -62 dBm (or lower) threshold is referenced to a 0 dBi antenna gain. To ensure incumbent operations are reliably detected in the band, low power indoor devices must detect RF energy throughout their intended operating channel. For example, an 802.11 device that plans to transmit a 40 MHz- wide signal (on a primary 20 MHz channel and a secondary 20 MHz channel) must detect energy throughout the entire 40 MHz channel. Additionally, low-power indoor devices must detect co-channel energy with 90% or greater certainty.

Table 1. Criteria to determine number of times detection threshold test may be performed

If	Number of Tests	Placement of Incumbent Transmission
$BW_{EUT} \leq BW_{Inc}$	Once	Tune incumbent and EUT transmissions ($f_{c1} = f_{c2}$)
$BW_{Inc} < BW_{EUT} \leq 2BW_{Inc}$	Once	Incumbent transmission is contained within BW_{EUT}
$2BW_{Inc} < BW_{EUT} \leq 4BW_{Inc}$	Twice. Incumbent transmission is contained within BW_{EUT}	Incumbent transmission is located as closely as possible to the lower edge and upper edge, respectively, of the EUT channel
$BW_{EUT} > 4BW_{Inc}$	Three times	Incumbent transmission is located as closely as possible to the lower edge of the EUT channel, in the middle of EUT channel, and as closely as possible to the upper edge of the EUT channel

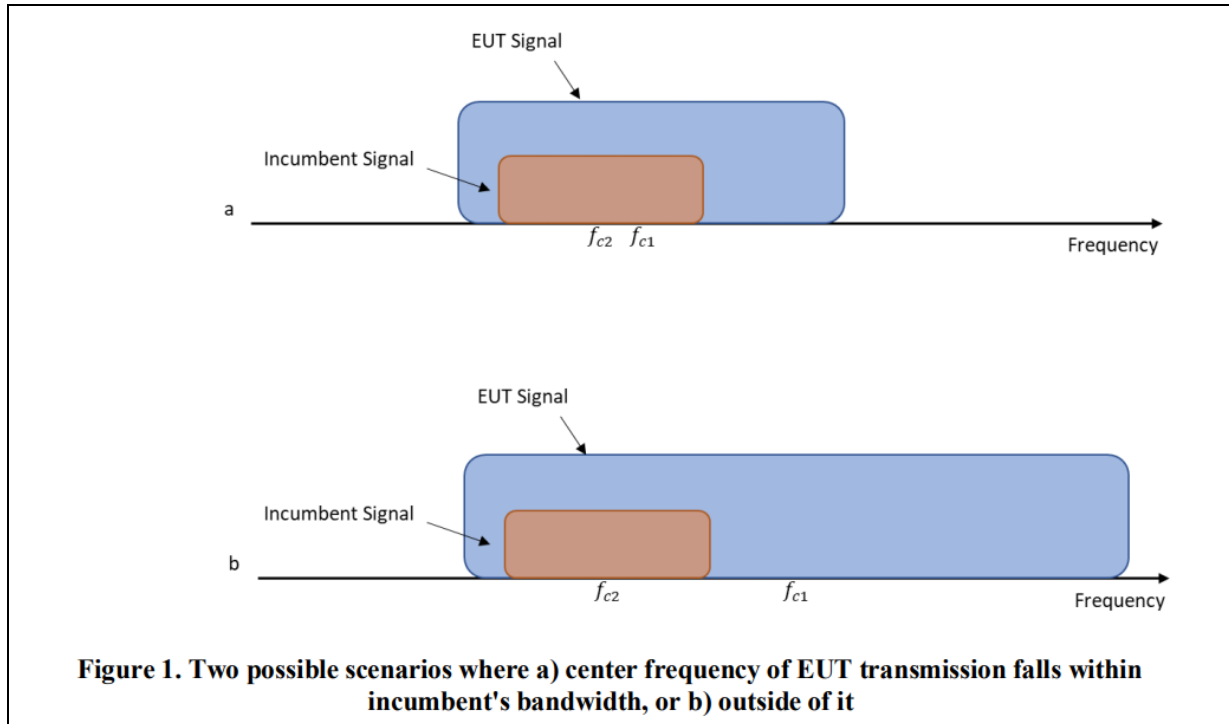
where:

BW_{EUT} : Transmission bandwidth of EUT signal

BW_{Inc} : Transmission bandwidth of the simulated incumbent signal (10 MHz wide AWGN signal)

f_{c1} : Center frequency of EUT transmission

f_{c2} : Center frequency of simulated incumbent signal



3.5.2 Measuring Instruments

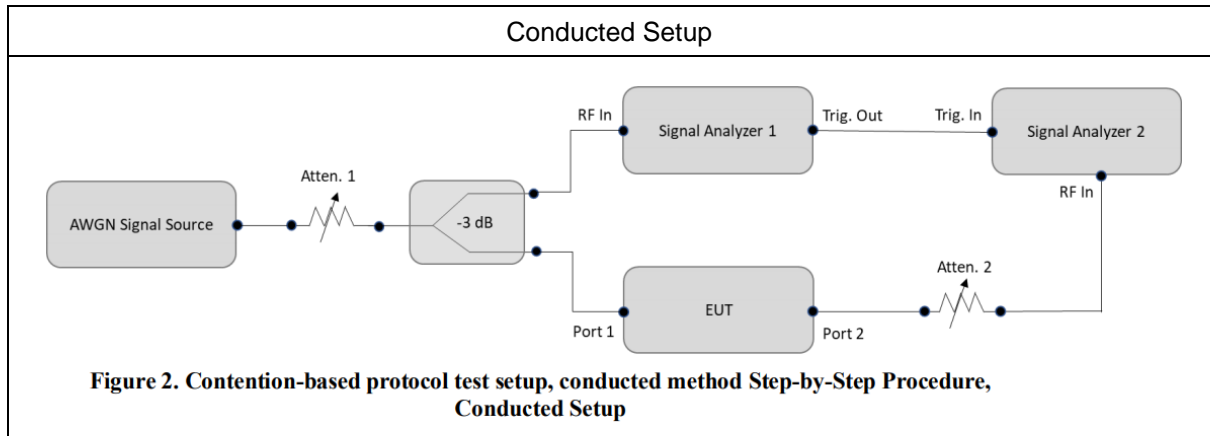
See list of measuring equipment of this test report.

3.5.3 Test Procedures

Refer to KDB 987594 D02 v01v01.

1. To ensure EUT reliably detects an incumbent signal in both scenarios shown in Figure 1, the detection threshold test may be repeated more than once with the incumbent signal (having center frequency f_{c2}) tuned to different center frequencies within the UT transmission bandwidth. The criteria specified in Table 1 determines how many times the detection threshold test must be performed
2. Using an AWGN signal source, generate (but do not transmit, i.e., RF OFF) a 10 MHz-wide AWGN signal. Use Table 1 to determine the center frequency of the 10 MHz AWGN signal relative to the EUT's channel bandwidth and center frequency.
3. Monitor the signal analyzer to verify if the AWGN signal has been detected and the EUT has ceased transmission. If the EUT continues to transmit, then incrementally increase the AWGN signal power level until the EUT stops transmitting.
4. (Including all losses in the RF paths) Determine and record the AWGN signal power level (at the EUT's antenna port) at which the EUT ceased transmission. Repeat the procedure at least 10 times to verify the EUT can detect an AWGN signal with 90% (or better) level of certainty.
5. Refer to Table 1 to determine number of times the detection threshold testing needs to be repeated. If testing is required more than once, then go back to step 2, choose a different center frequency for the AWGN signal and repeat the process.

3.5.4 Test Setup



3.5.5 Support Unit used in test configuration and system

Instrument	Brand Name	Model No.	Characteristics
WLAN AP	ASUS	GT-AXE11000	Dual Band AP
Notebook	Acer	N15C1	LAN



3.5.6 Test Summary of Contention Based Protocol Test

Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Margin (dB)
UNII Band 5	6135	20	6135	-69.99	100	-62	-70.49	8.49
				Result: Stop Transmission				
				-70.99	< 90	-62	-71.49	9.49
				Result: Minimal Operation				
				-73.23	= 0	-62	-73.37	11.73
				Result: Normal Operation				
	6185	160	6110	-67.83	100	-62	-68.33	6.33
				Result: Stop Transmission				
				-68.83	< 90	-62	-69.33	7.33
				Result: Minimal Operation				
				-71.34	= 0	-62	-71.84	9.84
				Result: Normal Operation				
	6185	160	6185	-70.63	100	-62	-71.13	9.13
				Result: Stop Transmission				
				-71.63	< 90	-62	-72.63	10.13
				Result: Minimal Operation				
-73.52				= 0	-62	-74.02	12.02	
Result: Normal Operation								
6260	160	6260	-66.56	100	-62	-67.06	5.06	
			Result: Stop Transmission					
			-67.56	< 90	-62	-68.06	6.06	
Result: Minimal Operation								
			-71.98	= 0	-62	-72.48	10.48	
Result: Normal Operation								

Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain (Antenna 7, gain = 0.5dBi).

Note 2: Pass Loss is negligible. (0 dB)

Note 3: Margin = Regulated Threshold level - Adjusted Power



Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Margin (dB)
UNII Band 6	6455	20	6455	-66.81	100	-62	-67.31	5.31
				Result: Stop Transmission				
				-67.81	< 90	-62	-68.31	6.31
	Result: Minimal Operation							
	-71.81	= 0	-62	-72.81	10.31			
	Result: Normal Operation							
	6505	160	6430	-72.70	100	-62	-73.20	11.20
				Result: Stop Transmission				
				-73.70	< 90	-62	-74.20	12.20
			Result: Minimal Operation					
			-75.35	= 0	-62	-75.85	13.85	
			Result: Normal Operation					
	6580	160	6505	-69.40	100	-62	-69.90	7.90
				Result: Stop Transmission				
				-70.40	< 90	-62	-70.90	8.90
Result: Minimal Operation								
-72.40	= 0	-62	-72.90	10.90				
Result: Normal Operation								
6580	160	6580	-69.03	100	-62	-69.53	7.53	
			Result: Stop Transmission					
			-70.03	< 90	-62	-70.53	8.53	
Result: Minimal Operation								
-73.16	= 0	-62	-73.66	11.66				
Result: Normal Operation								

Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain (Antenna 7, gain = 0.5dBi).

Note 2: Pass Loss is negligible. (0 dB)

Note 3: Margin = Regulated Threshold level - Adjusted Power



Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Margin (dB)	
UNII Band 7	6695	20	6695	-69.14	100	-62	-69.64	7.64	
				Result: Stop Transmission					
				-70.14	< 90	-62	-70.64	8.64	
				Result: Minimal Operation					
				-72.43	= 0	-62	-72.93	10.93	
				Result: Normal Operation					
	6665	160	6590	-72.66	100	-62	-73.16	11.16	
				Result: Stop Transmission					
				-73.66	< 90	-62	-74.16	12.16	
				Result: Minimal Operation					
				-75.15	= 0	-62	-75.65	13.65	
				Result: Normal Operation					
			6740	6665	-70.30	100	-62	-70.80	8.80
					Result: Stop Transmission				
					-71.30	< 90	-62	-71.80	9.80
					Result: Minimal Operation				
					-73.17	= 0	-62	-73.67	11.67
					Result: Normal Operation				
6740	6665	-73.42	100	-62	-73.92	11.92			
		Result: Stop Transmission							
		-74.42	< 90	-62	-74.92	12.92			
		Result: Minimal Operation							
6740	6665	-75.74	= 0	-62	-76.24	14.24			
		Result: Normal Operation							

Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain (Antenna 7, gain = 0.5dBi).

Note 2: Pass Loss is negligible. (0 dB)

Note 3: Margin = Regulated Threshold level - Adjusted Power



Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Margin (dB)
UNII Band 8	7015	20	7015	-65.82	100 (worst)	-62	-66.32	4.32
				Result: Stop Transmission				
				-66.82	< 90	-62	-67.32	5.32
	Result: Minimal Operation							
	-68.67	= 0	-62	-69.17	7.17			
	Result: Normal Operation							
	6985	160	6910	-72.36	100	-62	-72.86	10.86
				Result: Stop Transmission				
				-73.36	< 90	-62	-73.86	11.86
			Result: Minimal Operation					
			-74.21	= 0	-62	-74.71	12.71	
			Result: Normal Operation					
	7060	160	6985	-68.61	100	-62	-69.11	7.11
				Result: Stop Transmission				
				-69.61	< 90	-62	-70.11	8.11
Result: Minimal Operation								
-71.39	= 0	-62	-71.89	9.89				
Result: Normal Operation								
7060	160	7060	-66.94	100	-62	-67.44	5.44	
			Result: Stop Transmission					
			-67.94	< 90	-62	-68.44	6.44	
Result: Minimal Operation								
-69.19	= 0	-62	-69.69	7.69				
Result: Normal Operation								

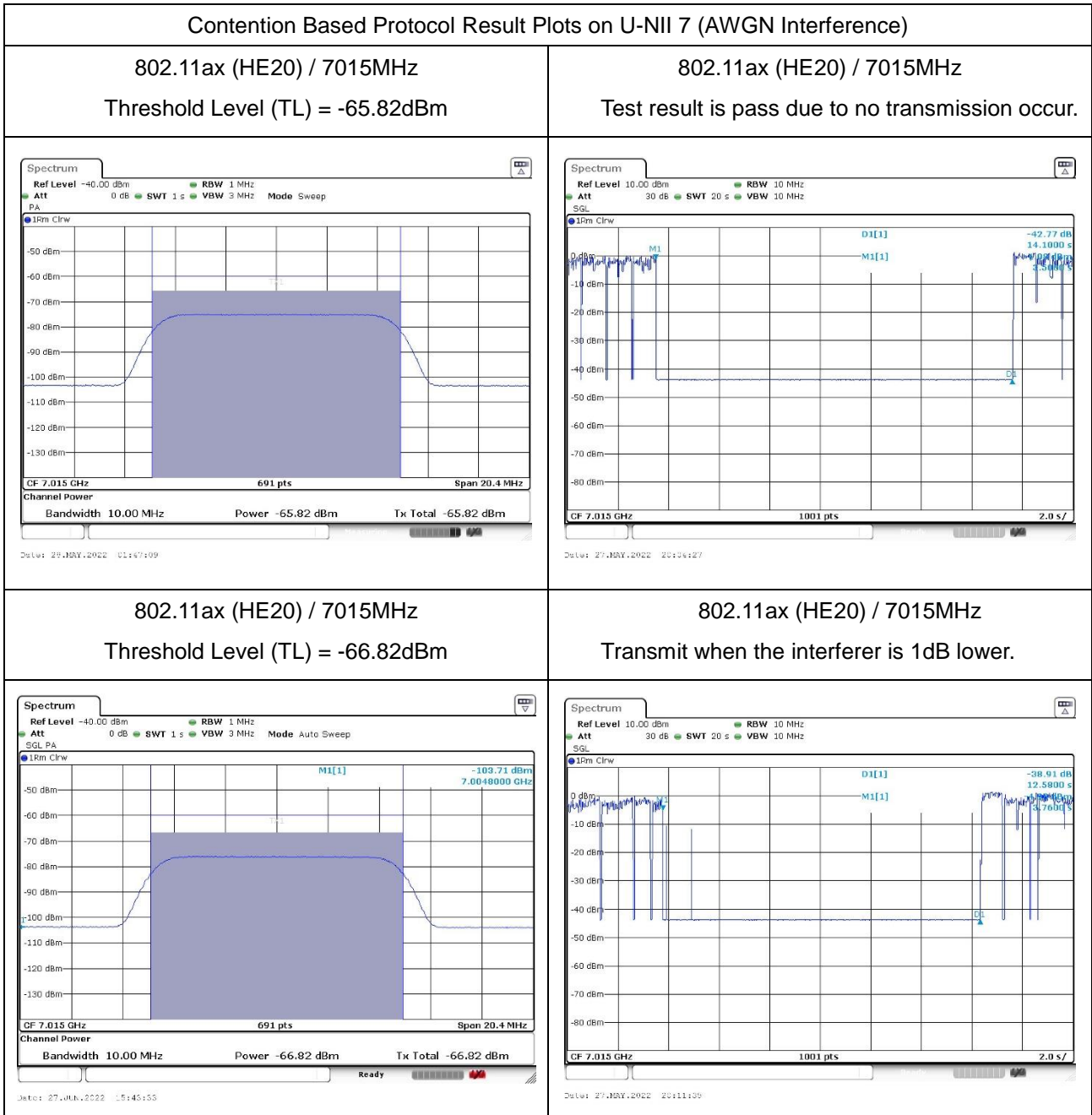
Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain (Antenna 7, gain = 0.5dBi).

Note 2: Pass Loss is negligible. (0 dB)

Note 3: Margin = Regulated Threshold level - Adjusted Power



3.5.7 Worst Case Plots of Contention Based Protocol



Remark: M1: Injection of AWGN signal, D1: Removal of AWGN signal

3.6 Unwanted Emissions Measurement

This section is to measure unwanted emissions through radiated measurement for band edge spurious emissions and out of band emissions measurement.

3.6.1 Limit of Unwanted Emissions

- (1) For transmitters operating within the 5.925-7.125 GHz band: Any emissions outside of the 5.925-7.125 GHz band must not exceed an e.i.r.p. of -27 dBm/MHz.

EIRP (dBm)	Field Strength at 3m (dBμV/m)
- 27 (RMS)	68.3
- 7 (Peak)	88.3

According 987594 D02 U-NII 6GHz EMC Measurement v01 section G:

Unwanted emissions outside of restricted bands are measured with a RMS detector.

In addition, 15.35(b) applies where the peak emissions must be limited to no more than 20 dB above the average limit

- (2) Unwanted spurious emissions fallen in restricted bands shall comply with the general field strength limits as below table:

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

Note: The following formula is used to convert the EIRP to field strength.

$$E = \frac{1000000\sqrt{30P}}{3} \mu\text{V/m, where P is the eirp (Watts)}$$

3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

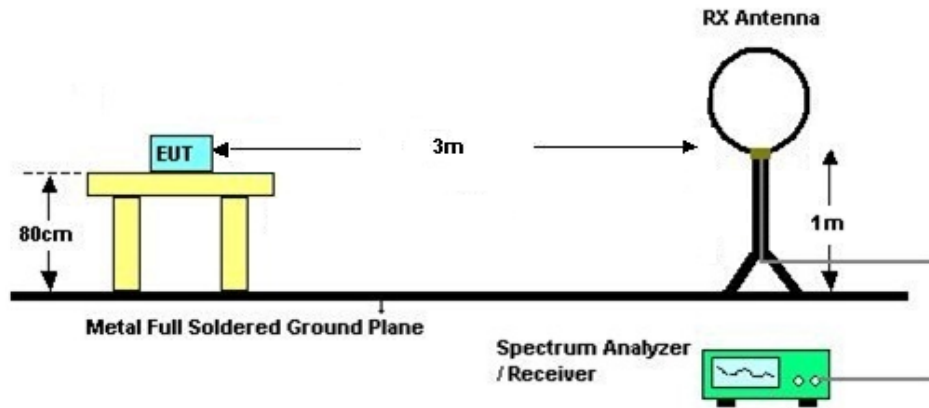


3.6.3 Test Procedures

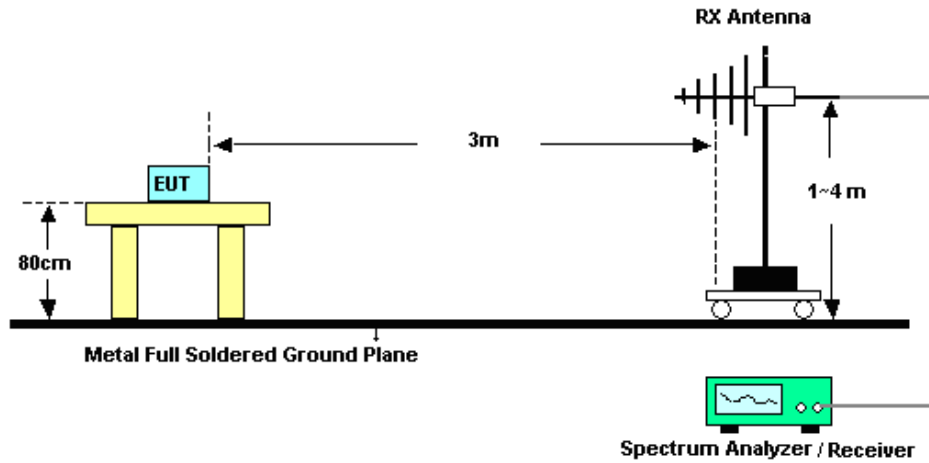
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.
 - (1) Procedure for Unwanted Emissions Measurements Below 1000MHz
 - RBW = 120 kHz
 - VBW = 300 kHz
 - Detector = Peak
 - Trace mode = max hold
 - (2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz
 - RBW = 1 MHz
 - VBW \geq 3 MHz
 - Detector = Peak
 - Sweep time = auto
 - Trace mode = max hold
 - (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz
 - RBW = 1 MHz
 - VBW = 10 Hz, when duty cycle is no less than 98 percent.
 - VBW \geq 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

3.6.4 Test Setup

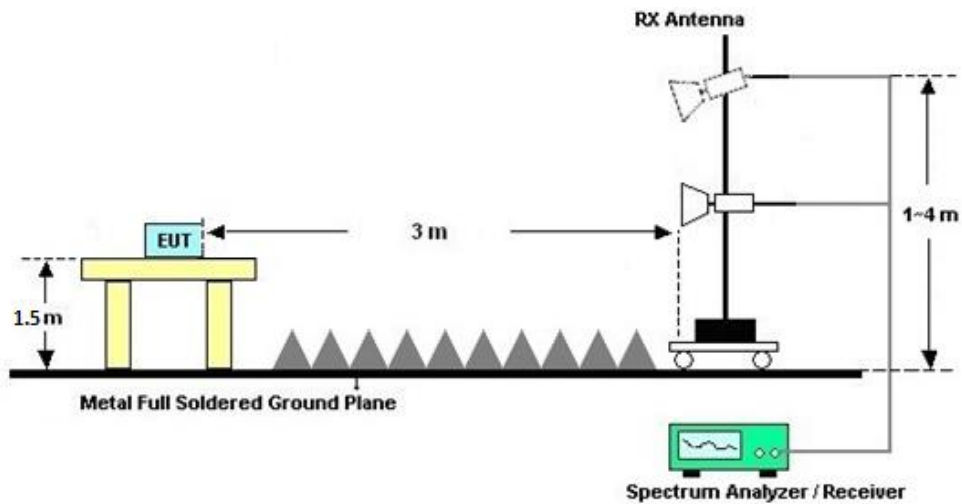
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz





3.6.5 Test Results of Radiated Spurious Emissions (9 kHz ~ 30 MHz)

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

3.6.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C&D

3.6.7 Duty Cycle

Please refer to Appendix E.

3.6.8 Test Result of Radiated Spurious Emissions (30MHz ~ 10th Harmonic)

Please refer to Appendix C&D.



3.7 AC Conducted Emission Measurement

3.7.1 Limit of AC Conducted Emission

For equipment 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.

Frequency of emission (MHz)	Conducted limit (dBµV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

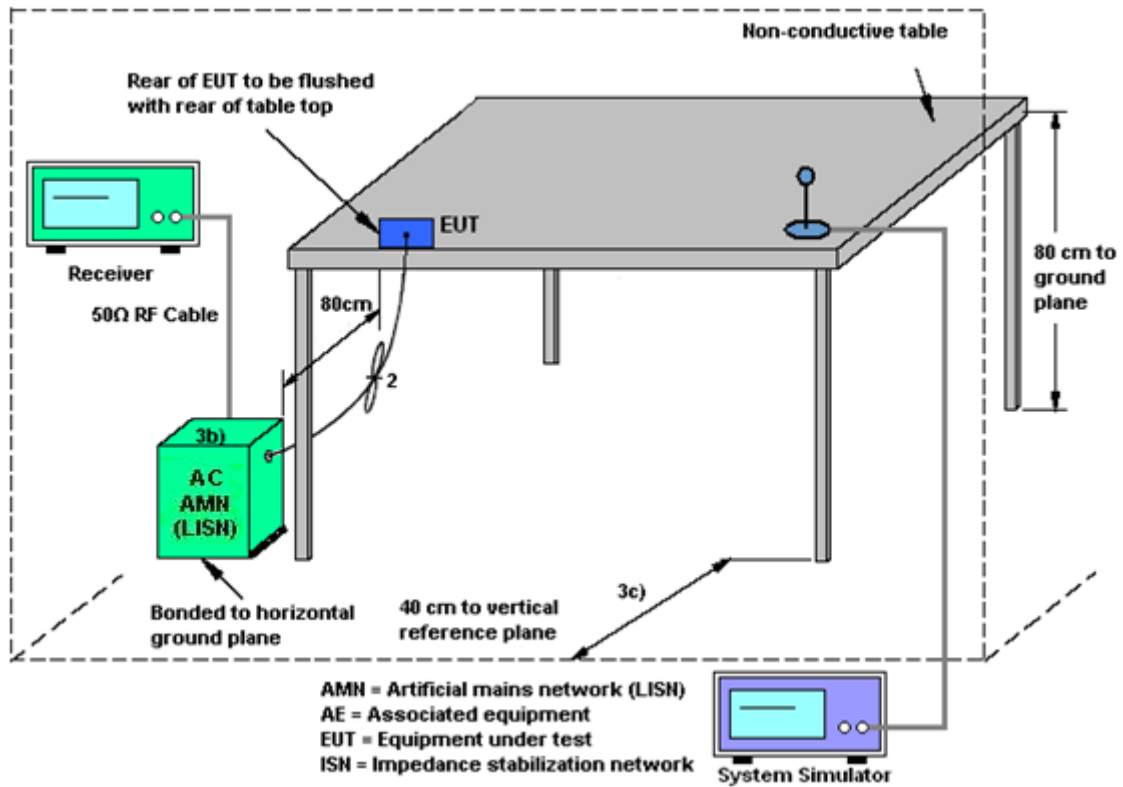
3.7.2 Measuring Instruments

See list of measuring equipment of this test report.

3.7.3 Test Procedures

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

3.7.4 Test Setup



3.7.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



3.8 Antenna Requirements

3.8.1 Standard Applicable

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

3.8.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used. The EUT complies with the requirement of 15.203.

3.8.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

For power, the directional gain G_{ANT} is set equal to the antenna having the highest gain, i.e.,

Directional gain = G_{ANT MAX}(Ant.1 Gain, Ant.2 Gain,...) + Array Gain, as following table for Power, where Array Gain = 0 dB (i.e., no array gain) for N_{ANT} ≤ 4;

For PSD, the directional gain calculation is following,

Directional gain = 10 log[(10^{G₁/20} + 10^{G₂/20} + ... + 10^{G_n/20})² / N_{ANT}] dBi, as following table for PSD.

N_{ANT} = number of transmit antennas

N_{SS} = number of spatial streams. (The worst case directional gain will occur when N_{SS} = 1)

<CDD Modes>				
			DG	DG
			for	for
	Ant. 1	Ant. 2	Power	PSD
	(dBi)	(dBi)	(dBi)	(dBi)
U-NII-5	0.50	1.05	1.05	3.79
U-NII-6	0.50	1.05	1.05	3.79
U-NII-7	0.50	1.05	1.05	3.79
U-NII-8	0.50	1.05	1.05	3.79



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 07, 2022	Jun. 04, 2022~ Jul. 04, 2022	Apr. 06, 2023	Conducted (TH01-SZ)
Pulse Power Sensor	Anritsu	MA2411B	1339473	30MHz~40GHz	Dec. 28, 2021	Jun. 04, 2022~ Jul. 04, 2022	Dec. 27, 2022	Conducted (TH01-SZ)
Power Meter	Anritsu	ML2495A	1542004	50MHz Bandwidth	Dec. 28, 2021	Jun. 04, 2022~ Jul. 04, 2022	Dec. 27, 2022	Conducted (TH01-SZ)
EMI Test Receiver	R&S	ESR7	102261	9kHz~7GHz	May 20, 2022	May 25, 2022~ Jun. 07, 2022	May 19, 2023	Radiation (03CH05-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010B	MY590711 91	10Hz~44GHz	Apr. 06, 2022	May 25, 2022~ Jun. 07, 2022	Apr. 05, 2023	Radiation (03CH05-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jun. 22, 2020	May 25, 2022~ Jun. 07, 2022	Jun. 21, 2022	Radiation (03CH05-SZ)
Log-periodic Antenna	SCHWARZBECK	VULB 9168	01001	20MHz~1.5GHz	Mar 24, 2022	May 25, 2022~ Jun. 07, 2022	May 23, 2023	Radiation (03CH05-SZ)
Double Ridge Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-220 6	1GHz~18GHz	Apr. 10, 2022	May 25, 2022~ Jun. 07, 2022	Apr. 09, 2023	Radiation (03CH05-SZ)
Horn Antenna	SCHWARZBECK	BBHA9170	00983	15GHz~40GHz	Apr. 10, 2022	May 25, 2022~ Jun. 07, 2022	Apr. 09, 2023	Radiation (03CH05-SZ)
Amplifier	EM Electronics	EM330	060756	0.01Hz ~3000MHz	Apr. 06, 2022	May 25, 2022~ Jun. 07, 2022	Apr. 05, 2023	Radiation (03CH05-SZ)
HF Amplifier	EM Electronics	EM01G18GA	060781	1GHz~18GHz	Apr. 06, 2022	May 25, 2022~ Jun. 07, 2022	Apr. 05, 2023	Radiation (03CH05-SZ)
HF Amplifier	EM Electronics	EM18G40G	060778	18GHz~40GHz	Apr. 06, 2022	May 25, 2022~ Jun. 07, 2022	Apr. 05, 2023	Radiation (03CH05-SZ)
Amplifier	Keysight	83017A	MY532703 57	500MHz~26.5G Hz	Apr. 06, 2022	May 25, 2022~ Jun. 07, 2022	Apr. 05, 2023	Radiation (03CH05-SZ)
AC Power Source	APC	AFV-S-600	F11905001 3	N/A	NCR	May 25, 2022~ Jun. 07, 2022	NCR	Radiation (03CH05-SZ)
Turn Table	EMEC	T-200-S-1	060925-T	0~360 degree	NCR	May 25, 2022~ Jun. 07, 2022	NCR	Radiation (03CH05-SZ)
Antenna Mast	EMEC	MBS-400-1	060927	1 m~4 m	NCR	May 25, 2022~ Jun. 07, 2022	NCR	Radiation (03CH05-SZ)
EMI Test Receiver	R&S	ESR7	101404	9kHz~7GHz	Oct. 22, 2021	Jun. 01, 2022	Oct. 21, 2022	Radiation (03CH04-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY551502 13	10Hz~44GHz	Jul. 20, 2021	Jun. 01, 2022	Jul. 19, 2022	Radiation (03CH04-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jun. 22, 2020	Jun. 01, 2022	Jun. 21, 2022	Radiation (03CH04-SZ)
Bilog Antenna	TeseQ	CBL6111D	41909	30MHz~1GHz	Oct. 22, 2021	Jun. 01, 2022	Oct. 21, 2022	Radiation (03CH04-SZ)
Double Ridge Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-147 4	1GHz~18GHz	Jul. 15, 2021	Jun. 01, 2022	Jul. 14, 2022	Radiation (03CH04-SZ)
Horn Antenna	SCHWARZBECK	BBHA9170	9170#679	15GHz~40GHz	Jul. 25, 2021	Jun. 01, 2022	Jul. 24, 2022	Radiation (03CH04-SZ)
Amplifier	Burgeon	BPA-530	102211	0.01Hz ~3000MHz	Oct. 22, 2021	Jun. 01, 2022	Oct. 21, 2022	Radiation (03CH04-SZ)
HF Amplifier	MITEQ	AMF-7D-0010 1800-30-10P- R	1943528	1GHz~18GHz	Oct. 22, 2021	Jun. 01, 2022	Oct. 21, 2022	Radiation (03CH04-SZ)
HF Amplifier	MITEQ	TTA1840-35- HG	1871923	18GHz~40GHz	Jul. 20, 2021	Jun. 01, 2022	Jul. 19, 2022	Radiation (03CH04-SZ)
Amplifier	Agilent Technologies	83017A	MY532701 56	500MHz~26.5G Hz	Oct. 22, 2021	Jun. 01, 2022	Oct. 21, 2022	Radiation (03CH04-SZ)
AC Power Source	Chroma	61601	N/A	N/A	NCR	Jun. 01, 2022	NCR	Radiation (03CH04-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Jun. 01, 2022	NCR	Radiation (03CH04-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Jun. 01, 2022	NCR	Radiation (03CH04-SZ)
EMI Receiver	R&S	ESR7	102297	9kHz~7GHz;	Jul 14, 2021	May 15, 2022	Jul 13, 2022	Conduction (CO02-SZ)
AC LISN	R&S	ENV216	101499	9kHz~30MHz	Jul 14, 2021	May 15, 2022	Jul 13, 2022	Conduction (CO02-SZ)
AC Power Source	CHROMA	61601	616010002 470	100Vac~250Vac	NCR	May 15, 2022	NCR	Conduction (CO02-SZ)



Signal Analyzer	R&S	FSV7	101473	10Hz~7GHz	Dec. 28, 2021	May 27, 2022~ May 30, 2022	Dec. 27, 2022	Conducted (DFS01-SZ)
MXG-B RF Vector Signal Generator	Keysight	N5182B	MY562004 24	9kHz~6GHz	Apr. 07, 2022	May 27, 2022~ May 30, 2022	Apr. 08, 2023	Conducted (DFS01-SZ)
Shielding Box	Hongyitong	182-200	AGTE2013 182200016	Shielded Effect: MAX 70dB	Oct. 25, 2021	May 27, 2022~ May 30, 2022	Oct. 24, 2022	Conducted (DFS01-SZ)
Combiner	TOJOIN	PS-2AM-0460	SZE14011 007	0.4~6GHz	Sep. 04, 2021	May 27, 2022~ May 30, 2022	Sep. 03, 2022	Conducted (DFS01-SZ)

NCR: No Calibration Required



5 Uncertainty of Evaluation

Uncertainty of Conducted Emission Measurement (150kHz ~ 30MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.2dB
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For 03CH05-KS

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.2dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.1dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.1dB
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For 03CH04-KS

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.1dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.8dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.1dB
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----- THE END -----



Appendix A. Conducted Test Results

Report Number : FR241808

Test Engineer:	Tang ZhaoYang	Temperature:	24~26	°C
Test Date:	2022/6/4~2022/7/4	Relative Humidity:	50~53	%

TEST RESULTS DATA
26dB and 99% OBW

Band V MIMO								
Mod.	Data Rate	NTX	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Note
				Ant 7	Ant 8	Ant 7	Ant 8	
11a	6Mbps	2	5955	16.43	16.43	19.60	19.45	
11a	6Mbps	2	5935	16.43	16.38	19.45	19.40	
11a	6Mbps	2	6175	16.43	16.38	19.60	19.35	
11a	6Mbps	2	6415	16.43	16.38	19.65	19.35	

TEST RESULTS DATA
EIRP Power Table

Band V MIMO													
Mod.	Data Rate	NTX	Freq. (MHz)	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
				Ant 7	Ant 8	Ant 7	Ant 8	SUM	Ant 7	Ant 8			
11a	6Mbps	2	5955	0.04	0.04	3.79	2.80	6.34	1.05	7.39	24.00	Pass	
11a	6Mbps	2	5935	0.04	0.04	2.30	1.72	5.03	1.05	6.08	24.00	Pass	
11a	6Mbps	2	6175	0.04	0.04	4.27	2.61	6.53	1.05	7.58	24.00	Pass	
11a	6Mbps	2	6415	0.04	0.04	1.92	1.82	4.89	1.05	5.94	24.00	Pass	
HT20	MCS0	2	5955	0.00	0.00	3.54	3.41	6.49	1.05	7.54	24.00	Pass	
HT20	MCS0	2	5935	0.00	0.00	-7.12	-7.05	-4.07	1.05	-3.02	24.00	Pass	
HT20	MCS0	2	6175	0.00	0.00	3.43	2.69	6.09	1.05	7.14	24.00	Pass	
HT20	MCS0	2	6415	0.00	0.00	1.93	1.54	4.75	1.05	5.80	24.00	Pass	
HT40	MCS0	2	5965	0.00	0.00	6.39	5.20	8.85	1.05	9.90	24.00	Pass	
HT40	MCS0	2	6165	0.00	0.00	6.32	4.52	8.52	1.05	9.57	24.00	Pass	
HT40	MCS0	2	6405	0.00	0.00	6.37	5.73	9.07	1.05	10.12	24.00	Pass	
VHT20	MCS0	2	5955	0.00	0.00	3.42	3.28	6.36	1.05	7.41	24.00	Pass	
VHT20	MCS0	2	5935	0.00	0.00	-7.18	-7.12	-4.14	1.05	-3.09	24.00	Pass	
VHT20	MCS0	2	6175	0.00	0.00	3.35	2.55	5.98	1.05	7.03	24.00	Pass	
VHT20	MCS0	2	6415	0.00	0.00	1.85	1.49	4.68	1.05	5.73	24.00	Pass	
VHT40	MCS0	2	5965	0.00	0.00	6.28	5.12	8.75	1.05	9.80	24.00	Pass	
VHT40	MCS0	2	6165	0.00	0.00	6.21	4.41	8.41	1.05	9.46	24.00	Pass	
VHT40	MCS0	2	6405	0.00	0.00	6.25	5.62	8.96	1.05	10.01	24.00	Pass	
VHT80	MCS0	2	5985	0.00	0.00	9.52	8.13	11.89	1.05	12.94	24.00	Pass	
VHT80	MCS0	2	6145	0.00	0.00	9.85	8.18	12.11	1.05	13.16	24.00	Pass	
VHT80	MCS0	2	6385	0.00	0.00	9.26	8.83	12.06	1.05	13.11	24.00	Pass	
VHT160	MCS0	2	6025	0.00	0.00	12.74	11.62	15.23	1.05	16.28	24.00	Pass	
VHT160	MCS0	2	6185	0.00	0.00	12.82	11.13	15.07	1.05	16.12	24.00	Pass	
VHT160	MCS0	2	6345	0.00	0.00	12.63	11.49	15.11	1.05	16.16	24.00	Pass	

TEST RESULTS DATA
EIRP Power Spectral Density

Band V MIMO											
Mod.	Data Rate	NTX	Freq. (MHz)	Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
				Ant 7	Ant 8	SUM	Ant 7	Ant 8	SUM		
11a	6Mbps	2	5955			-5.41	3.79		-1.62	-1.00	Pass
11a	6Mbps	2	5935			-5.21	3.79		-1.42	-1.00	Pass
11a	6Mbps	2	6175			-5.15	3.79		-1.36	-1.00	Pass
11a	6Mbps	2	6415			-6.94	3.79		-3.15	-1.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

Band VI MIMO								
Mod.	Data Rate	NTX	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Note
				Ant 7	Ant 8	Ant 7	Ant 8	
11a	6Mbps	2	6435	16.48	16.38	19.50	19.45	
11a	6Mbps	2	6475	16.48	16.38	19.45	19.35	
11a	6Mbps	2	6515	16.43	16.43	19.55	19.60	

TEST RESULTS DATA
EIRP Power Table

Band VI MIMO													
Mod.	Data Rate	NTX	Freq. (MHz)	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
				Ant 7	Ant 8	Ant 7	Ant 8	SUM	Ant 7	Ant 8			
11a	6Mbps	2	6435	0.03	0.03	3.21	3.22	6.23	1.05		7.28	24.00	Pass
11a	6Mbps	2	6475	0.03	0.03	3.38	3.36	6.39	1.05		7.44	24.00	Pass
11a	6Mbps	2	6515	0.03	0.03	3.09	3.49	6.31	1.05		7.36	24.00	Pass
HT20	MCS0	2	6435	0.00	0.00	3.12	3.10	6.12	1.05		7.17	24.00	Pass
HT20	MCS0	2	6475	0.00	0.00	3.51	3.62	6.58	1.05		7.63	24.00	Pass
HT20	MCS0	2	6515	0.00	0.00	3.50	3.50	6.51	1.05		7.56	24.00	Pass
HT40	MCS0	2	6445	0.00	0.00	6.59	6.19	9.40	1.05		10.45	24.00	Pass
HT40	MCS0	2	6485	0.00	0.00	6.71	6.22	9.48	1.05		10.53	24.00	Pass
HT40	MCS0	2	6525	0.00	0.00	6.60	6.23	9.43	1.05		10.48	24.00	Pass
VHT20	MCS0	2	6435	0.00	0.00	3.02	2.98	6.01	1.05		7.06	24.00	Pass
VHT20	MCS0	2	6475	0.00	0.00	3.40	3.52	6.47	1.05		7.52	24.00	Pass
VHT20	MCS0	2	6515	0.00	0.00	3.39	3.40	6.41	1.05		7.46	24.00	Pass
VHT40	MCS0	2	6445	0.00	0.00	6.48	6.11	9.31	1.05		10.36	24.00	Pass
VHT40	MCS0	2	6485	0.00	0.00	6.62	6.12	9.39	1.05		10.44	24.00	Pass
VHT40	MCS0	2	6525	0.00	0.00	6.40	6.13	9.28	1.05		10.33	24.00	Pass
VHT80	MCS0	2	6465	0.00	0.00	9.08	8.85	11.98	1.05		13.03	24.00	Pass
VHT80	MCS0	2	6545	0.00	0.00	9.32	8.96	12.15	1.05		13.20	24.00	Pass
VHT160	MCS0	2	6505	0.00	0.00	12.15	11.62	14.90	1.05		15.95	24.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

Band VI MIMO													
Mod.	Data Rate	N _{TX}	Freq. (MHz)	Duty Factor (dB)		Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
				Ant 7	Ant 8	Ant 7	Ant 8	SUM	Ant 7	Ant 8	SUM		
11a	6Mbps	2	6435	0.04	0.04			-5.52	3.79		-1.73	-1.00	Pass
11a	6Mbps	2	6475	0.04	0.04			-5.36	3.79		-1.57	-1.00	Pass
11a	6Mbps	2	6515	0.04	0.04			-5.42	3.79		-1.63	-1.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

Band VII MIMO								
Mod.	Data Rate	N _{TX}	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Note
				Ant 7	Ant 8	Ant 7	Ant 8	
11a	6Mbps	2	6535	16.43	16.43	19.50	19.50	
11a	6Mbps	2	6695	16.48	16.43	19.45	19.70	
11a	6Mbps	2	6855	16.48	16.43	19.55	19.45	

TEST RESULTS DATA
EIRP Power Table

Band VII MIMO													
Mod.	Data Rate	NTX	Freq. (MHz)	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
				Ant 7	Ant 8	Ant 7	Ant 8	SUM	Ant 7	Ant 8			
11a	6Mbps	2	6535	0.04	0.04	3.52	3.06	6.31	1.05	7.36	24.00	Pass	
11a	6Mbps	2	6695	0.04	0.04	3.56	3.02	6.31	1.05	7.36	24.00	Pass	
11a	6Mbps	2	6855	0.04	0.04	3.05	1.91	5.53	1.05	6.58	24.00	Pass	
HT20	MCS0	2	6535	0.00	0.00	3.58	3.13	6.37	1.05	7.42	24.00	Pass	
HT20	MCS0	2	6695	0.00	0.00	3.42	3.02	6.23	1.05	7.28	24.00	Pass	
HT20	MCS0	2	6855	0.00	0.00	2.65	2.09	5.39	1.05	6.44	24.00	Pass	
HT40	MCS0	2	6565	0.00	0.00	6.52	5.77	9.17	1.05	10.22	24.00	Pass	
HT40	MCS0	2	6685	0.00	0.00	6.62	5.71	9.20	1.05	10.25	24.00	Pass	
HT40	MCS0	2	6845	0.00	0.00	6.53	5.13	8.90	1.05	9.95	24.00	Pass	
VHT20	MCS0	2	6535	0.00	0.00	3.51	3.02	6.28	1.05	7.33	24.00	Pass	
VHT20	MCS0	2	6695	0.00	0.00	3.31	2.89	6.12	1.05	7.17	24.00	Pass	
VHT20	MCS0	2	6855	0.00	0.00	2.55	2.01	5.30	1.05	6.35	24.00	Pass	
VHT40	MCS0	2	6565	0.00	0.00	6.42	5.65	9.06	1.05	10.11	24.00	Pass	
VHT40	MCS0	2	6685	0.00	0.00	6.53	5.63	9.11	1.05	10.16	24.00	Pass	
VHT40	MCS0	2	6845	0.00	0.00	6.44	5.05	8.81	1.05	9.86	24.00	Pass	
VHT80	MCS0	2	6625	0.00	0.00	9.15	8.64	11.91	1.05	12.96	24.00	Pass	
VHT80	MCS0	2	6705	0.00	0.00	9.42	9.00	12.23	1.05	13.28	24.00	Pass	
VHT80	MCS0	2	6785	0.00	0.00	9.32	8.42	11.90	1.05	12.95	24.00	Pass	
VHT80	MCS0	2	6865	0.00	0.00	9.55	8.24	11.95	1.05	13.00	24.00	Pass	
VHT160	MCS0	2	6665	0.00	0.00	12.33	11.63	15.00	1.05	16.05	24.00	Pass	
VHT160	MCS0	2	6825	0.00	0.00	12.74	11.50	15.17	1.05	16.22	24.00	Pass	

TEST RESULTS DATA
EIRP Power Spectral Density

Band VII MIMO													
Mod.	Data Rate	NTX	Freq. (MHz)	Duty Factor (dB)		Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
				Ant 7	Ant 8	Ant 7	Ant 8	SUM	Ant 7	Ant 8	SUM		
11a	6Mbps	2	6535	0.04	0.04			-5.45		3.79	-1.66	-1.00	Pass
11a	6Mbps	2	6695	0.04	0.04			-5.31		3.79	-1.52	-1.00	Pass
11a	6Mbps	2	6855	0.04	0.04			-6.14		3.79	-2.35	-1.00	Pass

TEST RESULTS DATA
26dB EBW and 99% OBW

Band VIII MIMO								
Mod.	Data Rate	NTX	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Note
				Ant 7	Ant 8	Ant 7	Ant 8	
11a	6Mbps	2	6875	16.48	16.43	19.75	19.45	
11a	6Mbps	2	6895	16.48	16.38	19.60	19.40	
11a	6Mbps	2	6995	16.48	16.43	19.50	19.45	
11a	6Mbps	2	7095	16.43	16.43	19.60	19.45	
11a	6Mbps	2	7115	16.48	16.43	19.35	19.35	

TEST RESULTS DATA
EIRP Power Table

Band VIII MIMO													
Mod.	Data Rate	NTX	Freq. (MHz)	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
				Ant 7	Ant 8	Ant 7	Ant 8	SUM	Ant 7	Ant 8			
11a	6Mbps	2	6875	0.03	0.03	3.12	1.69	5.48	1.05		6.53	24.00	Pass
11a	6Mbps	2	6895	0.03	0.03	3.67	2.19	6.01	1.05		7.06	24.00	Pass
11a	6Mbps	2	6995	0.03	0.03	3.66	3.06	6.39	1.05		7.44	24.00	Pass
11a	6Mbps	2	7095	0.03	0.03	4.92	4.43	7.70	1.05		8.75	24.00	Pass
11a	6Mbps	2	7115	0.03	0.00	5.35	4.95	8.17	1.05		9.22	24.00	Pass
HT20	MCS0	2	6875	0.00	0.00	2.49	1.74	5.14	1.05		6.19	24.00	Pass
HT20	MCS0	2	6895	0.00	0.00	3.48	2.23	5.91	1.05		6.96	24.00	Pass
HT20	MCS0	2	6995	0.00	0.00	3.34	2.91	6.14	1.05		7.19	24.00	Pass
HT20	MCS0	2	7095	0.00	0.00	3.11	1.52	5.40	1.05		6.45	24.00	Pass
HT20	MCS0	2	7115	0.00	0.00	-5.32	-5.56	-2.43	1.05		-1.38	24.00	Pass
HT40	MCS0	2	6885	0.00	0.00	7.12	5.34	9.33	1.05		10.38	24.00	Pass
HT40	MCS0	2	6925	0.00	0.00	6.53	5.25	8.95	1.05		10.00	24.00	Pass
HT40	MCS0	2	6965	0.00	0.00	6.42	5.32	8.92	1.05		9.97	24.00	Pass
HT40	MCS0	2	7085	0.00	0.00	7.89	7.21	10.57	1.05		11.62	24.00	Pass
VHT20	MCS0	2	6875	0.00	0.00	2.32	1.62	4.99	1.05		6.04	24.00	Pass
VHT20	MCS0	2	6895	0.00	0.00	3.35	2.13	5.79	1.05		6.84	24.00	Pass
VHT20	MCS0	2	6995	0.00	0.00	3.26	2.82	6.06	1.05		7.11	24.00	Pass
VHT20	MCS0	2	7095	0.00	0.00	3.05	1.46	5.34	1.05		6.39	24.00	Pass
VHT20	MCS0	2	7115	0.00	0.00	-5.38	-5.62	-2.49	1.05		-1.44	24.00	Pass
VHT40	MCS0	2	6885	0.00	0.00	7.02	5.26	9.24	1.05		10.29	24.00	Pass
VHT40	MCS0	2	6925	0.00	0.00	6.45	5.17	8.87	1.05		9.92	24.00	Pass
VHT40	MCS0	2	6965	0.00	0.00	6.32	5.19	8.80	1.05		9.85	24.00	Pass
VHT40	MCS0	2	7085	0.00	0.00	7.77	7.05	10.44	1.05		11.49	24.00	Pass
VHT80	MCS0	2	6945	0.00	0.00	9.56	8.50	12.07	1.05		13.12	24.00	Pass
VHT80	MCS0	2	7025	0.00	0.00	9.67	8.96	12.34	1.05		13.39	24.00	Pass
VHT160	MCS0	2	6985	0.00	0.00	12.43	11.63	15.06	1.05		16.11	24.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

Band VIII MIMO													
Mod.	Data Rate	NTX	Freq. (MHz)	Duty Factor (dB)		Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
				Ant 7	Ant 8	Ant 7	Ant 8	SUM	Ant 7	Ant 8	SUM		
11a	6Mbps	2	6875	0.04	0.04			-6.39	3.79		-2.60	-1.00	Pass
11a	6Mbps	2	6895	0.04	0.04			-5.68	3.79		-1.89	-1.00	Pass
11a	6Mbps	2	6995	0.04	0.04			-5.27	3.79		-1.48	-1.00	Pass
11a	6Mbps	2	7095	0.04	0.04			-5.54	3.79		-1.75	-1.00	Pass
11a	6Mbps	2	7115	0.04	0.04			-5.46	3.79		-1.67	-1.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

Band V MIMO									
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Note
					Ant 7	Ant 8	Ant 7	Ant 8	
HE20	MCS0	2	5955	Full	18.93	18.93	21.20	21.35	
HE20	MCS0	2	5935	Full	19.03	18.98	21.45	21.30	
HE20	MCS0	2	6175	Full	18.93	18.93	21.15	21.10	
HE20	MCS0	2	6415	Full	18.93	18.93	21.30	21.15	
HE40	MCS0	2	5965	Full	37.96	37.96	40.84	40.77	
HE40	MCS0	2	6165	Full	37.96	37.96	40.86	40.77	
HE40	MCS0	2	6405	Full	37.96	37.86	40.77	40.77	
HE80	MCS0	2	5985	Full	77.20	77.20	82.40	82.88	
HE80	MCS0	2	6145	Full	77.32	77.32	82.24	82.72	
HE80	MCS0	2	6385	Full	77.32	77.20	82.56	82.72	
HE160	MCS0	2	6025	Full	156.32	156.32	165.44	165.44	
HE160	MCS0	2	6185	Full	156.32	156.56	164.80	164.48	
HE160	MCS0	2	6345	Full	156.56	156.56	166.08	165.76	

TEST RESULTS DATA
EIRP Power Table

Band V MIMO														
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 7	Ant 8	Ant 7	Ant 8	SUM	Ant 7	Ant 8			
HE20	MCS0	2	5955	Full	0.00	0.00	3.67	3.55	6.62	1.05	7.67	24.00	Pass	
HE20	MCS0	2	5955	26/0	0.00	0.00	-5.54	-4.93	-2.21	1.05	-1.16	24.00	Pass	
HE20	MCS0	2	5955	52/37	0.00	0.00	-2.99	-2.34	0.36	1.05	1.41	24.00	Pass	
HE20	MCS0	2	5955	106/53	0.00	0.00	-0.07	0.72	3.35	1.05	4.40	24.00	Pass	
HE20	MCS0	2	5935	Full	0.00	0.00	-7.03	-6.99	-4.00	1.05	-2.95	24.00	Pass	
HE20	MCS0	2	5935	26/4	0.00	0.00	-19.10	-19.29	-16.18	1.05	-15.13	24.00	Pass	
HE20	MCS0	2	5935	52/39	0.00	0.00	-15.90	-16.12	-13.00	1.05	-11.95	24.00	Pass	
HE20	MCS0	2	5935	106/53	0.00	0.00	-12.22	-12.53	-9.36	1.05	-8.31	24.00	Pass	
HE20	MCS0	2	6175	Full	0.00	0.00	3.56	2.81	6.21	1.05	7.26	24.00	Pass	
HE20	MCS0	2	6175	26/4	0.00	0.00	-4.96	-5.49	-2.21	1.05	-1.16	24.00	Pass	
HE20	MCS0	2	6175	52/39	0.00	0.00	-3.08	-3.66	-0.35	1.05	0.70	24.00	Pass	
HE20	MCS0	2	6175	106/53	0.00	0.00	0.13	-0.68	2.75	1.05	3.80	24.00	Pass	
HE20	MCS0	2	6415	Full	0.00	0.00	2.03	1.65	4.85	1.05	5.90	24.00	Pass	
HE20	MCS0	2	6415	26/8	0.00	0.00	-7.34	-7.11	-4.21	1.05	-3.16	24.00	Pass	
HE20	MCS0	2	6415	52/40	0.00	0.00	-4.79	-4.13	-1.44	1.05	-0.39	24.00	Pass	
HE20	MCS0	2	6415	106/54	0.00	0.00	-1.68	-1.55	1.40	1.05	2.45	24.00	Pass	
HE40	MCS0	2	5965	Full	0.00	0.00	6.52	5.31	8.97	1.05	10.02	24.00	Pass	
HE40	MCS0	2	5965	242/61	0.00	0.00	3.33	2.87	6.12	1.05	7.17	24.00	Pass	
HE40	MCS0	2	6165	Full	0.00	0.00	6.43	4.69	8.66	1.05	9.71	24.00	Pass	
HE40	MCS0	2	6165	242/61	0.00	0.00	3.36	2.11	5.79	1.05	6.84	24.00	Pass	
HE40	MCS0	2	6405	Full	0.00	0.00	6.48	5.87	9.20	1.05	10.25	24.00	Pass	
HE40	MCS0	2	6405	242/62	0.00	0.00	2.88	2.99	5.95	1.05	7.00	24.00	Pass	
HE80	MCS0	2	5985	Full	0.00	0.00	9.61	8.27	12.00	1.05	13.05	24.00	Pass	
HE80	MCS0	2	5985	484/65	0.00	0.00	6.58	4.98	8.86	1.05	9.91	24.00	Pass	
HE80	MCS0	2	6145	Full	0.00	0.00	9.97	8.32	12.23	1.05	13.28	24.00	Pass	
HE80	MCS0	2	6145	484/65	0.00	0.00	7.18	5.13	9.29	1.05	10.34	24.00	Pass	
HE80	MCS0	2	6385	Full	0.00	0.00	9.39	8.92	12.17	1.05	13.22	24.00	Pass	
HE80	MCS0	2	6385	484/66	0.00	0.00	6.63	5.84	9.26	1.05	10.31	24.00	Pass	
HE160	MCS0	2	6025	Full	0.00	0.00	12.81	11.72	15.31	1.05	16.36	24.00	Pass	
HE160	MCS0	2	6025	996/67	0.00	0.00	10.36	8.98	12.73	1.05	13.78	24.00	Pass	
HE160	MCS0	2	6185	Full	0.00	0.00	12.93	11.23	15.17	1.05	16.22	24.00	Pass	
HE160	MCS0	2	6185	996/67	0.00	0.00	10.45	8.44	12.57	1.05	13.62	24.00	Pass	
HE160	MCS0	2	6345	Full	0.00	0.00	12.71	11.55	15.18	1.05	16.23	24.00	Pass	
HE160	MCS0	2	6345	996/S67	0.00	0.00	9.95	8.96	12.49	1.05	13.54	24.00	Pass	

TEST RESULTS DATA
EIRP Power Spectral Density

Band V MIMO														
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config	Duty Factor (dB)		Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
					Ant 7	Ant 8	Ant 7	Ant 8	SUM	Ant 7	Ant 8	SUM		
HE20	MCS0	2	5955	Full	0.00	0.00			-5.42	3.79	-1.63	-1.00	Pass	
HE20	MCS0	2	5955	26/0	0.00	0.00			-5.58	3.79	-1.79	-1.00	Pass	
HE20	MCS0	2	5955	52/37	0.00	0.00			-5.55	3.79	-1.76	-1.00	Pass	
HE20	MCS0	2	5955	106/53	0.00	0.00			-5.52	3.79	-1.73	-1.00	Pass	
HE20	MCS0	2	5935	Full	0.00	0.00			-16.20	3.79	-12.41	-1.00	Pass	
HE20	MCS0	2	5935	26/4	0.00	0.00			-19.76	3.79	-15.97	-1.00	Pass	
HE20	MCS0	2	5935	52/39	0.00	0.00			-18.77	3.79	-14.98	-1.00	Pass	
HE20	MCS0	2	5935	106/53	0.00	0.00			-17.71	3.79	-13.92	-1.00	Pass	
HE20	MCS0	2	6175	Full	0.00	0.00			-5.66	3.79	-1.87	-1.00	Pass	
HE20	MCS0	2	6175	26/4	0.00	0.00			-6.03	3.79	-2.24	-1.00	Pass	
HE20	MCS0	2	6175	52/39	0.00	0.00			-6.01	3.79	-2.22	-1.00	Pass	
HE20	MCS0	2	6175	106/53	0.00	0.00			-5.81	3.79	-2.02	-1.00	Pass	
HE20	MCS0	2	6415	Full	0.00	0.00			-6.98	3.79	-3.19	-1.00	Pass	
HE20	MCS0	2	6415	26/8	0.00	0.00			-7.42	3.79	-3.63	-1.00	Pass	
HE20	MCS0	2	6415	52/40	0.00	0.00			-7.22	3.79	-3.43	-1.00	Pass	
HE20	MCS0	2	6415	106/54	0.00	0.00			-7.30	3.79	-3.51	-1.00	Pass	
HE40	MCS0	2	5965	Full	0.00	0.00			-5.75	3.79	-1.96	-1.00	Pass	
HE40	MCS0	2	5965	242/61	0.00	0.00			-6.18	3.79	-2.39	-1.00	Pass	
HE40	MCS0	2	6165	Full	0.00	0.00			-5.98	3.79	-2.19	-1.00	Pass	
HE40	MCS0	2	6165	242/61	0.00	0.00			-6.44	3.79	-2.65	-1.00	Pass	
HE40	MCS0	2	6405	Full	0.00	0.00			-5.48	3.79	-1.69	-1.00	Pass	
HE40	MCS0	2	6405	242/62	0.00	0.00			-6.28	3.79	-2.49	-1.00	Pass	
HE80	MCS0	2	5985	Full	0.00	0.00			-5.75	3.79	-1.96	-1.00	Pass	
HE80	MCS0	2	5985	484/65	0.00	0.00			-6.33	3.79	-2.54	-1.00	Pass	
HE80	MCS0	2	6145	Full	0.00	0.00			-5.49	3.79	-1.70	-1.00	Pass	
HE80	MCS0	2	6145	484/65	0.00	0.00			-5.97	3.79	-2.18	-1.00	Pass	
HE80	MCS0	2	6385	Full	0.00	0.00			-5.58	3.79	-1.79	-1.00	Pass	
HE80	MCS0	2	6385	484/66	0.00	0.00			-5.99	3.79	-2.20	-1.00	Pass	
HE160	MCS0	2	6025	Full	0.00	0.00			-5.32	3.79	-1.53	-1.00	Pass	
HE160	MCS0	2	6025	996/67	0.00	0.00			-5.71	3.79	-1.92	-1.00	Pass	
HE160	MCS0	2	6185	Full	0.00	0.00			-5.40	3.79	-1.61	-1.00	Pass	
HE160	MCS0	2	6185	996/67	0.00	0.00			-5.83	3.79	-2.04	-1.00	Pass	
HE160	MCS0	2	6345	Full	0.00	0.00			-5.51	3.79	-1.72	-1.00	Pass	
HE160	MCS0	2	6345	996/S67	0.00	0.00			-5.82	3.79	-2.03	-1.00	Pass	

TEST RESULTS DATA
26dB and 99% OBW

Band VI MIMO									
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Note
					Ant 7	Ant 8	Ant 7	Ant 8	
HE20	MCS0	2	6435	Full	18.93	18.93	21.15	21.15	
HE20	MCS0	2	6475	Full	18.93	18.93	21.30	21.15	
HE20	MCS0	2	6515	Full	18.93	18.93	21.40	21.15	
HE40	MCS0	2	6445	Full	37.96	37.96	40.68	40.68	
HE40	MCS0	2	6485	Full	37.86	37.96	40.59	40.68	
HE40	MCS0	2	6525	Full	37.96	37.96	40.68	40.59	
HE80	MCS0	2	6465	Full	77.32	77.32	82.24	82.56	
HE80	MCS0	2	6545	Full	77.20	77.32	82.72	82.40	
HE160	MCS0	2	6505	Full	156.32	156.56	165.76	166.72	

TEST RESULTS DATA
EIRP Power Table

Band VI MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 7	Ant 8	Ant 7	Ant 8	SUM	Ant 7	Ant 8			
HE20	MCS0	2	097	6435	Full	0.00	0.00	3.24	3.22	6.24	1.05	7.29	24.00	Pass	
HE20	MCS0	2	097	6435	26/0	0.00	0.00	-5.99	-6.12	-3.04	1.05	-1.99	24.00	Pass	
HE20	MCS0	2	097	6435	52/37	0.00	0.00	-3.32	-3.06	-0.18	1.05	0.87	24.00	Pass	
HE20	MCS0	2	097	6435	106/53	0.00	0.00	-0.26	-0.14	2.81	1.05	3.86	24.00	Pass	
HE20	MCS0	2	105	6475	Full	0.00	0.00	3.62	3.73	6.69	1.05	7.74	24.00	Pass	
HE20	MCS0	2	105	6475	26/4	0.00	0.00	-4.83	-4.57	-1.69	1.05	-0.64	24.00	Pass	
HE20	MCS0	2	105	6475	52/39	0.00	0.00	-3.25	-3.11	-0.17	1.05	0.88	24.00	Pass	
HE20	MCS0	2	105	6475	106/54	0.00	0.00	-0.08	0.11	3.03	1.05	4.08	24.00	Pass	
HE20	MCS0	2	113	6515	Full	0.00	0.00	3.63	3.62	6.64	1.05	7.69	24.00	Pass	
HE20	MCS0	2	113	6515	26/8	0.00	0.00	-5.86	-5.82	-2.83	1.05	-1.78	24.00	Pass	
HE20	MCS0	2	113	6515	52/40	0.00	0.00	-3.13	-3.18	-0.14	1.05	0.91	24.00	Pass	
HE20	MCS0	2	113	6515	106/54	0.00	0.00	-0.19	-0.15	2.84	1.05	3.89	24.00	Pass	
HE40	MCS0	2	099	6445	Full	0.00	0.00	6.74	6.31	9.54	1.05	10.59	24.00	Pass	
HE40	MCS0	2	099	6445	242/61	0.00	0.00	3.00	2.78	5.90	1.05	6.95	24.00	Pass	
HE40	MCS0	2	107	6485	Full	0.00	0.00	6.82	6.37	9.61	1.05	10.66	24.00	Pass	
HE40	MCS0	2	107	6485	242/62	0.00	0.00	2.99	3.26	6.14	1.05	7.19	24.00	Pass	
HE40	MCS0	2	115	6525	Full	0.00	0.00	6.77	6.33	9.57	1.05	10.62	24.00	Pass	
HE40	MCS0	2	115	6525	242/62	0.00	0.00	2.88	3.19	6.05	1.05	7.10	24.00	Pass	
HE80	MCS0	2	103	6465	Full	0.00	0.00	9.17	8.94	12.07	1.05	13.12	24.00	Pass	
HE80	MCS0	2	103	6465	484/65	0.00	0.00	6.51	5.62	9.10	1.05	10.15	24.00	Pass	
HE80	MCS0	2	119	6545	Full	0.00	0.00	9.43	9.07	12.26	1.05	13.31	24.00	Pass	
HE80	MCS0	2	119	6545	484/66	0.00	0.00	6.52	5.72	9.15	1.05	10.20	24.00	Pass	
HE160	MCS0	2	111	6505	Full	0.00	0.00	12.28	11.73	15.02	1.05	16.07	24.00	Pass	
HE160	MCS0	2	111	6505	996/67	0.00	0.00	9.35	8.71	12.05	1.05	13.10	24.00	Pass	
HE160	MCS0	2	111	6505	996/S67	0.00	0.00	9.12	8.96	12.05	1.05	13.10	24.00	Pass	

TEST RESULTS DATA
EIRP Power Spectral Density

Band VI MIMO														
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
					Ant 7	Ant 8	Ant 7	Ant 8	SUM	Ant 7	Ant 8	SUM		
HE20	MCS0	2	6435	Full	0.00	0.00			-5.77	3.79	-1.98	-1.00	Pass	
HE20	MCS0	2	6435	26/0	0.00	0.00			-5.95	3.79	-2.16	-1.00	Pass	
HE20	MCS0	2	6435	52/37	0.00	0.00			-5.86	3.79	-2.07	-1.00	Pass	
HE20	MCS0	2	6435	106/53	0.00	0.00			-5.84	3.79	-2.05	-1.00	Pass	
HE20	MCS0	2	6475	Full	0.00	0.00			-5.48	3.79	-1.69	-1.00	Pass	
HE20	MCS0	2	6475	26/4	0.00	0.00			-5.81	3.79	-2.02	-1.00	Pass	
HE20	MCS0	2	6475	52/39	0.00	0.00			-6.08	3.79	-2.29	-1.00	Pass	
HE20	MCS0	2	6475	106/54	0.00	0.00			-5.81	3.79	-2.02	-1.00	Pass	
HE20	MCS0	2	6515	Full	0.00	0.00			-5.46	3.79	-1.67	-1.00	Pass	
HE20	MCS0	2	6515	26/8	0.00	0.00			-5.85	3.79	-2.06	-1.00	Pass	
HE20	MCS0	2	6515	52/40	0.00	0.00			-5.96	3.79	-2.17	-1.00	Pass	
HE20	MCS0	2	6515	106/54	0.00	0.00			-5.88	3.79	-2.09	-1.00	Pass	
HE40	MCS0	2	6445	Full	0.00	0.00			-5.49	3.79	-1.70	-1.00	Pass	
HE40	MCS0	2	6445	242/61	0.00	0.00			-6.25	3.79	-2.46	-1.00	Pass	
HE40	MCS0	2	6485	Full	0.00	0.00			-5.44	3.79	-1.65	-1.00	Pass	
HE40	MCS0	2	6485	242/62	0.00	0.00			-6.33	3.79	-2.54	-1.00	Pass	
HE40	MCS0	2	6525	Full	0.00	0.00			-5.32	3.79	-1.53	-1.00	Pass	
HE40	MCS0	2	6525	242/62	0.00	0.00			-6.31	3.79	-2.52	-1.00	Pass	
HE80	MCS0	2	6465	Full	0.00	0.00			-5.73	3.79	-1.94	-1.00	Pass	
HE80	MCS0	2	6465	484/65	0.00	0.00			-5.98	3.79	-2.19	-1.00	Pass	
HE80	MCS0	2	6545	Full	0.00	0.00			-5.45	3.79	-1.66	-1.00	Pass	
HE80	MCS0	2	6545	484/66	0.00	0.00			-6.37	3.79	-2.58	-1.00	Pass	
HE160	MCS0	2	6505	Full	0.00	0.00			-5.78	3.79	-1.99	-1.00	Pass	
HE160	MCS0	2	6505	996/67	0.00	0.00			-6.38	3.79	-2.59	-1.00	Pass	
HE160	MCS0	2	6505	996/S67	0.00	0.00			-6.28	3.79	-2.49	-1.00	Pass	

TEST RESULTS DATA
26dB and 99% OBW

Band VII MIMO									
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Note
					Ant 7	Ant 8	Ant 7	Ant 8	
HE20	MCS0	2	6535	Full	18.98	18.93	21.40	21.15	
HE20	MCS0	2	6695	Full	18.98	18.93	21.15	21.10	
HE20	MCS0	2	6855	Full	18.93	18.98	21.25	21.15	
HE40	MCS0	2	6565	Full	37.96	37.96	40.77	41.04	
HE40	MCS0	2	6685	Full	37.96	37.96	40.59	40.86	
HE40	MCS0	2	6845	Full	37.96	37.96	40.68	40.77	
HE80	MCS0	2	6625	Full	77.20	77.32	82.56	82.40	
HE80	MCS0	2	6705	Full	77.32	77.20	82.24	82.56	
HE80	MCS0	2	6785	Full	77.20	77.32	82.08	82.24	
HE80	MCS0	2	6865	Full	77.20	77.20	82.24	82.88	
HE160	MCS0	2	6665	Full	156.32	156.32	166.72	165.44	
HE160	MCS0	2	6825	Full	156.80	156.56	166.72	165.12	

TEST RESULTS DATA
EIRP Power Table

Band VII MIMO														
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 7	Ant 8	Ant 7	Ant 8	SUM	Ant 7	Ant 8			
HE20	MCS0	2	6535	Full	0.00	0.00	3.76	3.25	6.52	1.05	7.57	24.00	Pass	
HE20	MCS0	2	6535	26/0	0.00	0.00	-5.68	-5.54	-2.60	1.05	-1.55	24.00	Pass	
HE20	MCS0	2	6535	52/37	0.00	0.00	-2.96	-2.84	0.11	1.05	1.16	24.00	Pass	
HE20	MCS0	2	6535	106/53	0.00	0.00	0.09	0.04	3.08	1.05	4.13	24.00	Pass	
HE20	MCS0	2	6695	Full	0.00	0.00	3.57	3.15	6.38	1.05	7.43	24.00	Pass	
HE20	MCS0	2	6695	26/4	0.00	0.00	-4.86	-4.47	-1.65	1.05	-0.60	24.00	Pass	
HE20	MCS0	2	6695	52/38	0.00	0.00	-3.31	-2.90	-0.09	1.05	0.96	24.00	Pass	
HE20	MCS0	2	6695	106/53	0.00	0.00	-0.12	0.28	3.09	1.05	4.14	24.00	Pass	
HE20	MCS0	2	6855	Full	0.00	0.00	2.77	2.20	5.50	1.05	6.55	24.00	Pass	
HE20	MCS0	2	6855	26/8	0.00	0.00	-6.14	-7.14	-3.60	1.05	-2.55	24.00	Pass	
HE20	MCS0	2	6855	52/40	0.00	0.00	-3.27	-4.21	-0.70	1.05	0.35	24.00	Pass	
HE20	MCS0	2	6855	106/54	0.00	0.00	-0.35	-1.25	2.23	1.05	3.28	24.00	Pass	
HE40	MCS0	2	6565	Full	0.00	0.00	6.63	5.87	9.28	1.05	10.33	24.00	Pass	
HE40	MCS0	2	6565	242/61	0.00	0.00	3.38	2.62	6.03	1.05	7.08	24.00	Pass	
HE40	MCS0	2	6685	Full	0.00	0.00	6.74	5.85	9.33	1.05	10.38	24.00	Pass	
HE40	MCS0	2	6685	242/61	0.00	0.00	3.91	2.67	6.34	1.05	7.39	24.00	Pass	
HE40	MCS0	2	6845	Full	0.00	0.00	6.67	5.26	9.03	1.05	10.08	24.00	Pass	
HE40	MCS0	2	6845	242/62	0.00	0.00	4.36	2.43	6.51	1.05	7.56	24.00	Pass	
HE80	MCS0	2	6625	Full	0.00	0.00	9.27	8.75	12.03	1.05	13.08	24.00	Pass	
HE80	MCS0	2	6625	484/65	0.00	0.00	6.71	5.51	9.16	1.05	10.21	24.00	Pass	
HE80	MCS0	2	6705	Full	0.00	0.00	9.52	9.09	12.32	1.05	13.37	24.00	Pass	
HE80	MCS0	2	6705	484/65	0.00	0.00	6.98	5.71	9.40	1.05	10.45	24.00	Pass	
HE80	MCS0	2	6785	Full	0.00	0.00	9.41	8.53	12.00	1.05	13.05	24.00	Pass	
HE80	MCS0	2	6785	484/66	0.00	0.00	6.16	4.96	8.61	1.05	9.66	24.00	Pass	
HE80	MCS0	2	6865	Full	0.00	0.00	9.64	8.30	12.03	1.05	13.08	24.00	Pass	
HE80	MCS0	2	6865	484/66	0.00	0.00	6.63	4.52	8.71	1.05	9.76	24.00	Pass	
HE160	MCS0	2	6665	Full	0.00	0.00	12.49	11.75	15.15	1.05	16.20	24.00	Pass	
HE160	MCS0	2	6665	996/67	0.00	0.00	9.78	8.81	12.33	1.05	13.38	24.00	Pass	
HE160	MCS0	2	6825	Full	0.00	0.00	12.84	11.60	15.27	1.05	16.32	24.00	Pass	
HE160	MCS0	2	6825	996/67	0.00	0.00	9.83	8.71	12.32	1.05	13.37	24.00	Pass	
HE160	MCS0	2	6826	996/S67	0.00	0.00	10.39	8.46	12.54	1.05	13.59	24.00	Pass	

TEST RESULTS DATA
EIRP Power Spectral Density

Band VII MIMO														
Mod.	Data Rate	NTx	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
					Ant 7	Ant 8	Ant 7	Ant 8	SUM	Ant 7	Ant 8	SUM		
HE20	MCS0	2	6535	Full	0.00	0.00			-5.30	3.79	-1.51	-1.00	Pass	
HE20	MCS0	2	6535	26/0	0.00	0.00			-5.72	3.79	-1.93	-1.00	Pass	
HE20	MCS0	2	6535	52/37	0.00	0.00			-5.71	3.79	-1.92	-1.00	Pass	
HE20	MCS0	2	6535	106/53	0.00	0.00			-5.63	3.79	-1.84	-1.00	Pass	
HE20	MCS0	2	6695	Full	0.00	0.00			-5.45	3.79	-1.66	-1.00	Pass	
HE20	MCS0	2	6695	26/4	0.00	0.00			-5.73	3.79	-1.94	-1.00	Pass	
HE20	MCS0	2	6695	52/38	0.00	0.00			-5.92	3.79	-2.13	-1.00	Pass	
HE20	MCS0	2	6695	106/53	0.00	0.00			-5.66	3.79	-1.87	-1.00	Pass	
HE20	MCS0	2	6855	Full	0.00	0.00			-6.30	3.79	-2.51	-1.00	Pass	
HE20	MCS0	2	6855	26/8	0.00	0.00			-6.79	3.79	-3.00	-1.00	Pass	
HE20	MCS0	2	6855	52/40	0.00	0.00			-6.63	3.79	-2.84	-1.00	Pass	
HE20	MCS0	2	6855	106/54	0.00	0.00			-6.58	3.79	-2.79	-1.00	Pass	
HE40	MCS0	2	6565	Full	0.00	0.00			-5.55	3.79	-1.76	-1.00	Pass	
HE40	MCS0	2	6565	242/61	0.00	0.00			-6.20	3.79	-2.41	-1.00	Pass	
HE40	MCS0	2	6685	Full	0.00	0.00			-5.45	3.79	-1.66	-1.00	Pass	
HE40	MCS0	2	6685	242/61	0.00	0.00			-5.73	3.79	-1.94	-1.00	Pass	
HE40	MCS0	2	6845	Full	0.00	0.00			-5.71	3.79	-1.92	-1.00	Pass	
HE40	MCS0	2	6845	242/62	0.00	0.00			-5.84	3.79	-2.05	-1.00	Pass	
HE80	MCS0	2	6625	Full	0.00	0.00			-5.61	3.79	-1.82	-1.00	Pass	
HE80	MCS0	2	6625	484/65	0.00	0.00			-6.24	3.79	-2.45	-1.00	Pass	
HE80	MCS0	2	6705	Full	0.00	0.00			-5.37	3.79	-1.58	-1.00	Pass	
HE80	MCS0	2	6705	484/65	0.00	0.00			-5.88	3.79	-2.09	-1.00	Pass	
HE80	MCS0	2	6785	Full	0.00	0.00			-5.69	3.79	-1.90	-1.00	Pass	
HE80	MCS0	2	6785	484/66	0.00	0.00			-6.76	3.79	-2.97	-1.00	Pass	
HE80	MCS0	2	6865	Full	0.00	0.00			-5.64	3.79	-1.85	-1.00	Pass	
HE80	MCS0	2	6865	484/66	0.00	0.00			-6.39	3.79	-2.60	-1.00	Pass	
HE160	MCS0	2	6665	Full	0.00	0.00			-5.41	3.79	-1.62	-1.00	Pass	
HE160	MCS0	2	6665	996/67	0.00	0.00			-5.90	3.79	-2.11	-1.00	Pass	
HE160	MCS0	2	6825	Full	0.00	0.00			-5.39	3.79	-1.60	-1.00	Pass	
HE160	MCS0	2	6825	996/67	0.00	0.00			-6.04	3.79	-2.25	-1.00	Pass	
HE160	MCS0	2	6826	996/S67	0.00	0.00			-5.90	3.79	-2.11	-1.00	Pass	

TEST RESULTS DATA
26dB EBW and 99% OBW

Band VIII MIMO									
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Note
					Ant 7	Ant 8	Ant 7	Ant 8	
HE20	MCS0	2	6875	Full	18.93	18.93	21.00	21.40	
HE20	MCS0	2	6895	Full	18.98	18.98	21.10	21.20	
HE20	MCS0	2	6995	Full	18.93	18.98	21.00	21.00	
HE20	MCS0	2	7095	Full	18.98	18.98	21.30	21.05	
HE20	MCS0	2	7115	Full	18.98	18.98	21.45	21.40	
HE40	MCS0	2	6885	Full	37.96	37.96	40.77	40.59	
HE40	MCS0	2	6925	Full	37.96	38.06	40.86	40.59	
HE40	MCS0	2	6965	Full	37.86	37.86	40.77	40.41	
HE40	MCS0	2	7085	Full	37.96	37.96	40.68	40.86	
HE80	MCS0	2	6945	Full	77.20	77.20	82.40	82.40	
HE80	MCS0	2	7025	Full	77.20	77.32	81.76	83.04	
HE160	MCS0	2	6985	Full	156.56	156.32	166.08	165.12	

TEST RESULTS DATA
EIRP Power Table

Band VIII MIMO														
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power with duty factor (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 7	Ant 8	Ant 7	Ant 8	SUM	Ant 7	Ant 8	SUM		
HE20	MCS0	2	6875	Full	0.00	0.00	2.65	1.86	5.28	1.05		6.33	24.00	Pass
HE20	MCS0	2	6875	26/0	0.00	0.00	-6.21	-7.13	-3.64	1.05		-2.59	24.00	Pass
HE20	MCS0	2	6875	52/37	0.00	0.00	-3.26	-4.23	-0.71	1.05		0.34	24.00	Pass
HE20	MCS0	2	6875	106/53	0.00	0.00	-0.25	-1.26	2.28	1.05		3.33	24.00	Pass
HE20	MCS0	2	6895	Full	0.00	0.00	3.59	2.37	6.03	1.05		7.08	24.00	Pass
HE20	MCS0	2	6895	26/0	0.00	0.00	-5.67	-5.57	-2.61	1.05		-1.56	24.00	Pass
HE20	MCS0	2	6895	52/37	0.00	0.00	-2.95	-3.26	-0.09	1.05		0.96	24.00	Pass
HE20	MCS0	2	6895	106/53	0.00	0.00	0.03	-0.27	2.89	1.05		3.94	24.00	Pass
HE20	MCS0	2	6995	Full	0.00	0.00	3.46	3.05	6.27	1.05		7.32	24.00	Pass
HE20	MCS0	2	6995	26/4	0.00	0.00	-5.43	-4.67	-2.02	1.05		-0.97	24.00	Pass
HE20	MCS0	2	6995	52/38	0.00	0.00	-3.43	-3.83	-0.62	1.05		0.43	24.00	Pass
HE20	MCS0	2	6995	106/53	0.00	0.00	-0.23	-0.56	2.62	1.05		3.67	24.00	Pass
HE20	MCS0	2	7095	Full	0.00	0.00	3.19	1.59	5.47	1.05		6.52	24.00	Pass
HE20	MCS0	2	7095	26/8	0.00	0.00	-5.94	-6.21	-3.06	1.05		-2.01	24.00	Pass
HE20	MCS0	2	7095	52/40	0.00	0.00	-2.53	-2.85	0.32	1.05		1.37	24.00	Pass
HE20	MCS0	2	7095	106/54	0.00	0.00	0.84	-0.45	3.25	1.05		4.30	24.00	Pass
HE20	MCS0	2	7115	Full	0.00	0.00	-5.24	-5.50	-2.36	1.05		-1.31	24.00	Pass
HE20	MCS0	2	7115	26/8	0.00	0.00	-18.57	-18.43	-15.49	1.05		-14.44	24.00	Pass
HE20	MCS0	2	7115	52/40	0.00	0.00	-12.98	-12.70	-9.83	1.05		-8.78	24.00	Pass
HE20	MCS0	2	7115	106/54	0.00	0.00	-12.57	-12.26	-9.40	1.05		-8.35	24.00	Pass
HE40	MCS0	2	6885	Full	0.00	0.00	7.18	5.46	9.41	1.05		10.46	24.00	Pass
HE40	MCS0	2	6885	242/61	0.00	0.00	4.52	2.39	6.59	1.05		7.64	24.00	Pass
HE40	MCS0	2	6925	Full	0.00	0.00	6.62	5.34	9.04	1.05		10.09	24.00	Pass
HE40	MCS0	2	6925	242/61	0.00	0.00	4.03	2.33	6.27	1.05		7.32	24.00	Pass
HE40	MCS0	2	6965	Full	0.00	0.00	6.54	5.46	9.04	1.05		10.09	24.00	Pass
HE40	MCS0	2	6965	242/62	0.00	0.00	3.62	2.59	6.15	1.05		7.20	24.00	Pass
HE40	MCS0	2	7085	Full	0.00	0.00	8.06	7.35	10.73	1.05		11.78	24.00	Pass
HE40	MCS0	2	7085	242/62	0.00	0.00	5.65	4.65	8.19	1.05		9.24	24.00	Pass
HE80	MCS0	2	6945	Full	0.00	0.00	9.66	8.59	12.17	1.05		13.22	24.00	Pass
HE80	MCS0	2	6945	484/65	0.00	0.00	6.86	5.41	9.21	1.05		10.26	24.00	Pass
HE80	MCS0	2	7025	Full	0.00	0.00	9.76	9.04	12.43	1.05		13.48	24.00	Pass
HE80	MCS0	2	7025	484/66	0.00	0.00	7.14	6.38	9.79	1.05		10.84	24.00	Pass
HE160	MCS0	2	6985	Full	0.00	0.00	12.57	11.71	15.17	1.05		16.22	24.00	Pass
HE160	MCS0	2	6985	996/67	0.00	0.00	9.96	9.01	12.52	1.05		13.57	24.00	Pass
HE160	MCS0	2	6985	996/S67	0.00	0.00	9.58	8.64	12.15	1.05		13.20	24.00	Pass

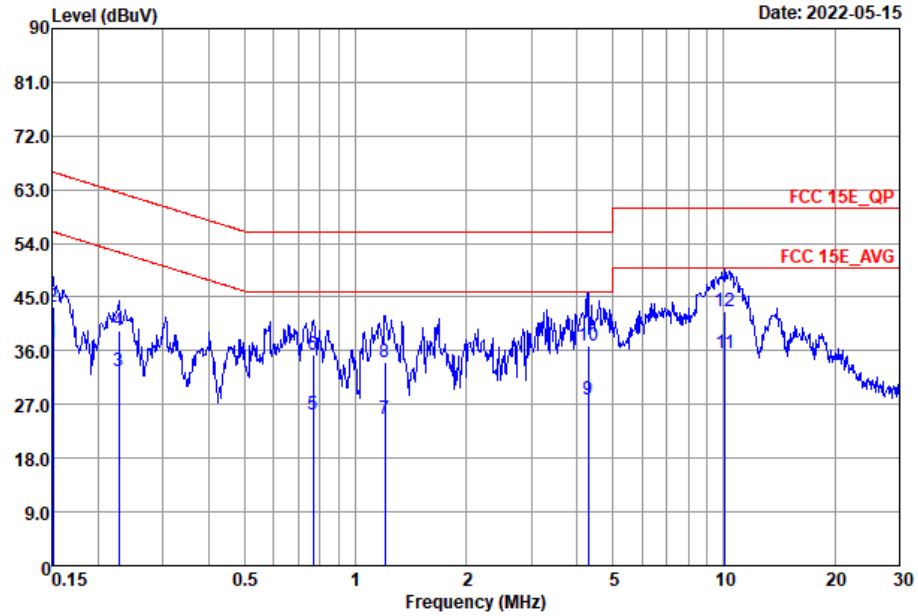
TEST RESULTS DATA
EIRP Power Spectral Density

Band VIII MIMO														
Mod.	Data Rate	N _{TX}	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm)	Pass /Fail
					Ant 7	Ant 8	Ant 7	Ant 8	SUM	Ant 7	Ant 8	SUM		
HE20	MCS0	2	6875	Full	0.00	0.00			-6.47	3.79	-2.68	-1.00	Pass	
HE20	MCS0	2	6875	26/0	0.00	0.00			-6.75	3.79	-2.96	-1.00	Pass	
HE20	MCS0	2	6875	52/37	0.00	0.00			-6.64	3.79	-2.85	-1.00	Pass	
HE20	MCS0	2	6875	106/53	0.00	0.00			-6.57	3.79	-2.78	-1.00	Pass	
HE20	MCS0	2	6895	Full	0.00	0.00			-5.72	3.79	-1.93	-1.00	Pass	
HE20	MCS0	2	6895	26/0	0.00	0.00			-5.80	3.79	-2.01	-1.00	Pass	
HE20	MCS0	2	6895	52/37	0.00	0.00			-6.05	3.79	-2.26	-1.00	Pass	
HE20	MCS0	2	6895	106/53	0.00	0.00			-6.06	3.79	-2.27	-1.00	Pass	
HE20	MCS0	2	6995	Full	0.00	0.00			-5.52	3.79	-1.73	-1.00	Pass	
HE20	MCS0	2	6995	26/4	0.00	0.00			-6.18	3.79	-2.39	-1.00	Pass	
HE20	MCS0	2	6995	52/38	0.00	0.00			-6.31	3.79	-2.52	-1.00	Pass	
HE20	MCS0	2	6995	106/53	0.00	0.00			-6.02	3.79	-2.23	-1.00	Pass	
HE20	MCS0	2	7095	Full	0.00	0.00			-6.17	3.79	-2.38	-1.00	Pass	
HE20	MCS0	2	7095	26/8	0.00	0.00			-6.59	3.79	-2.80	-1.00	Pass	
HE20	MCS0	2	7095	52/40	0.00	0.00			-6.59	3.79	-2.80	-1.00	Pass	
HE20	MCS0	2	7095	106/54	0.00	0.00			-6.63	3.79	-2.84	-1.00	Pass	
HE20	MCS0	2	7115	Full	0.00	0.00			-15.18	3.79	-11.39	-1.00	Pass	
HE20	MCS0	2	7115	26/8	0.00	0.00			-20.69	3.79	-16.90	-1.00	Pass	
HE20	MCS0	2	7115	52/40	0.00	0.00			-17.10	3.79	-13.31	-1.00	Pass	
HE20	MCS0	2	7115	106/54	0.00	0.00			-19.53	3.79	-15.74	-1.00	Pass	
HE40	MCS0	2	6885	Full	0.00	0.00			-5.38	3.79	-1.59	-1.00	Pass	
HE40	MCS0	2	6885	242/61	0.00	0.00			-5.71	3.79	-1.92	-1.00	Pass	
HE40	MCS0	2	6925	Full	0.00	0.00			-5.73	3.79	-1.94	-1.00	Pass	
HE40	MCS0	2	6925	242/61	0.00	0.00			-5.88	3.79	-2.09	-1.00	Pass	
HE40	MCS0	2	6965	Full	0.00	0.00			-5.68	3.79	-1.89	-1.00	Pass	
HE40	MCS0	2	6965	242/62	0.00	0.00			-6.16	3.79	-2.37	-1.00	Pass	
HE40	MCS0	2	7085	Full	0.00	0.00			-5.51	3.79	-1.72	-1.00	Pass	
HE40	MCS0	2	7085	242/62	0.00	0.00			-6.25	3.79	-2.46	-1.00	Pass	
HE80	MCS0	2	6945	Full	0.00	0.00			-5.52	3.79	-1.73	-1.00	Pass	
HE80	MCS0	2	6945	484/65	0.00	0.00			-6.23	3.79	-2.44	-1.00	Pass	
HE80	MCS0	2	7025	Full	0.00	0.00			-5.65	3.79	-1.86	-1.00	Pass	
HE80	MCS0	2	7025	484/66	0.00	0.00			-6.24	3.79	-2.45	-1.00	Pass	
HE160	MCS0	2	6985	Full	0.00	0.00			-5.66	3.79	-1.87	-1.00	Pass	
HE160	MCS0	2	6985	996/67	0.00	0.00			-5.87	3.79	-2.08	-1.00	Pass	
HE160	MCS0	2	6985	996/S67	0.00	0.00			-6.32	3.79	-2.53	-1.00	Pass	



Appendix B. AC Conducted Emission Test Results

Test Engineer :	Zhang Xu	Temperature :	22~25°C
		Relative Humidity :	50~55%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

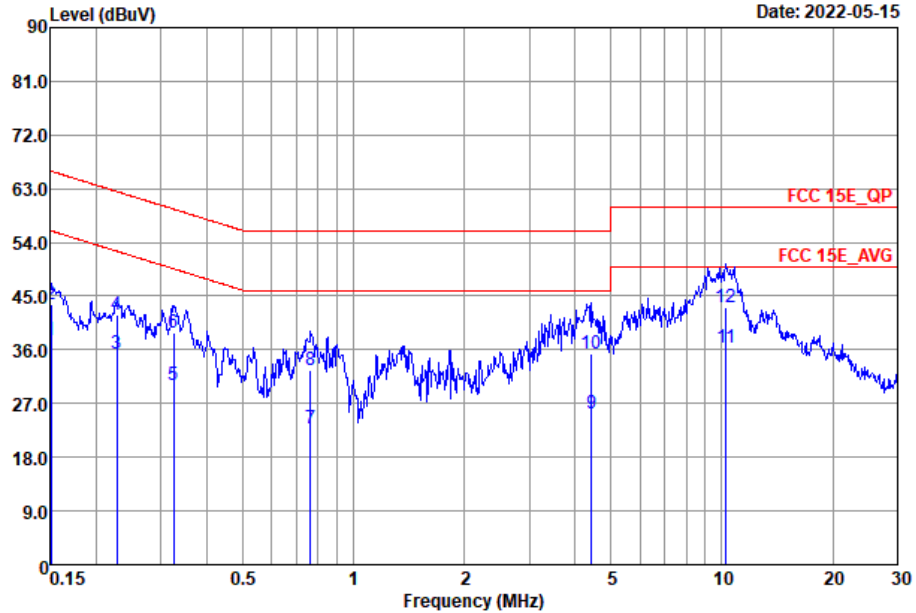


Site : CO02-SZ
 Condition : FCC 15E_QP LISN_2022_L

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.15	37.24	-18.72	55.96	17.60	9.61	10.03	Average
2	0.15	43.44	-22.52	65.96	23.80	9.61	10.03	QP
3	0.23	32.55	-19.97	52.52	12.90	9.63	10.02	Average
4	0.23	39.45	-23.07	62.52	19.80	9.63	10.02	QP
5	0.77	25.34	-20.66	46.00	5.60	9.69	10.05	Average
6	0.77	35.34	-20.66	56.00	15.60	9.69	10.05	QP
7	1.20	24.61	-21.39	46.00	4.79	9.76	10.06	Average
8	1.20	34.11	-21.89	56.00	14.29	9.76	10.06	QP
9	4.29	27.83	-18.17	46.00	7.90	9.81	10.12	Average
10	4.29	36.93	-19.07	56.00	17.00	9.81	10.12	QP
11 *	10.07	35.63	-14.37	50.00	15.50	9.92	10.21	Average
12	10.07	42.73	-17.27	60.00	22.60	9.92	10.21	QP



Test Engineer :	Zhang Xu	Temperature :	22~25°C
		Relative Humidity :	50~55%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO02-SZ
 Condition : FCC 15E_QP LISN_2022_N

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.15	37.67	-18.29	55.96	18.00	9.64	10.03	Average
2	0.15	43.67	-22.29	65.96	24.00	9.64	10.03	QP
3	0.23	35.35	-17.17	52.52	15.70	9.63	10.02	Average
4	0.23	41.75	-20.77	62.52	22.10	9.63	10.02	QP
5	0.33	29.96	-19.61	49.57	10.30	9.64	10.02	Average
6	0.33	38.76	-20.81	59.57	19.10	9.64	10.02	QP
7	0.76	22.88	-23.12	46.00	3.20	9.63	10.05	Average
8	0.76	32.48	-23.52	56.00	12.80	9.63	10.05	QP
9	4.43	25.40	-20.60	46.00	5.50	9.78	10.12	Average
10	4.43	35.30	-20.70	56.00	15.40	9.78	10.12	QP
11 *	10.29	36.45	-13.55	50.00	16.40	9.84	10.21	Average
12	10.29	43.15	-16.85	60.00	23.10	9.84	10.21	QP



Appendix C. Radiated Spurious Emission

Only the worst results for each bandwidth are shown in the report.

U-NII 5 - 5925-6425MHzMHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
7+8		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 01 5955MHz		5924.96	61.46	-26.84	88.3	51.65	35.22	11.4	36.81	327	231	P	H
		5924.96	48.88	-19.42	68.3	39.07	35.22	11.4	36.81	327	231	A	H
	*	5932	86.78	-	-	76.95	35.22	11.42	36.81	327	231	P	H
		5932	82.18	-	-	72.35	35.22	11.42	36.81	327	231	A	H
		5924.96	68.21	-20.09	88.3	58.4	35.22	11.4	36.81	393	340	P	V
		5924.96	55.04	-13.26	68.3	45.23	35.22	11.4	36.81	393	340	A	V
	*	5932	93.43	-	-	83.6	35.22	11.42	36.81	393	340	P	V
		5932	88.89	-	-	79.06	35.22	11.42	36.81	393	340	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII 5 5925~6425MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
7+8		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 01 5955MHz		11872	42.61	-31.39	74	53.72	38.43	16.6	66.14	300	0	P	H
		11872	42.25	-31.75	74	53.36	38.43	16.6	66.14	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII 8 - 6875-7125MHzMHz

WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
7+8		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 223 7115MHz		7125	71.4	-16.9	88.3	60.08	35.82	12.61	37.11	102	77	P	H
		7125	65.94	-2.36	68.3	54.62	35.82	12.61	37.11	102	77	A	H
	*	7120	86.99	-	-	75.67	35.82	12.61	37.11	102	77	P	H
		7120	75.77	-	-	64.45	35.82	12.61	37.11	102	77	A	H
		7125	72.07	-16.23	88.3	60.75	35.82	12.61	37.11	298	29	P	V
		7125	66.18	-2.12	68.3	54.86	35.82	12.61	37.11	298	29	A	V
	*	7120	87.54	-	-	76.22	35.82	12.61	37.11	298	29	P	V
		7120	78.48	-	-	67.16	35.82	12.61	37.11	298	29	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII 8 6875~7125MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
7+8		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 223 7115MHz		14232	46.02	-42.28	88.3	52.02	39.91	18.11	64.02	300	0	P	H
		14232	45.92	-42.38	88.3	51.92	39.91	18.11	64.02	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII 8 6875~7125MHz

WIFI 802.11ax HE40 Full (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
7+8		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full CH 227 7085MHz		7192.26	52.12	-36.18	88.3	40.66	35.84	12.71	37.09	220	290	P	H
		7192.98	41.59	-26.71	68.3	30.13	35.84	12.71	37.09	220	290	A	H
	*	7084	90.9	-	-	79.64	35.82	12.56	37.12	220	290	P	H
		7084	83.14	-	-	71.88	35.82	12.56	37.12	220	290	A	H
		7184.7	51.58	-36.72	88.3	40.12	35.84	12.71	37.09	100	347	P	V
		7187.04	41.61	-26.69	68.3	30.15	35.84	12.71	37.09	100	347	A	V
	*	7084	94.18	-	-	82.92	35.82	12.56	37.12	100	347	P	V
	7084	86.3	-	-	75.04	35.82	12.56	37.12	100	347	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII 8 6875~7125MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
7+8		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full CH 227 7085MHz		14168	45.29	-43.01	88.3	51.25	39.93	18.09	63.98	300	0	P	H
		14168	45.79	-42.51	88.3	51.75	39.93	18.09	63.98	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII 5 5925~6425MHz

WIFI 802.11ax HE80 Full (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
7+8		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE80 Full CH 07 5985MHz		5869.8	51.25	-37.05	88.3	41.52	35.13	11.34	36.74	106	127	P	H
		5915.88	41.09	-27.21	68.3	31.28	35.2	11.4	36.79	106	127	A	H
	*	5995	91.32	-	-	81.43	35.3	11.47	36.88	106	127	P	H
		5986	83.77	-	-	73.9	35.28	11.45	36.86	106	127	A	H
		5896.84	51.74	-36.56	88.3	41.95	35.18	11.38	36.77	100	341	P	V
		5917.48	41.61	-26.69	68.3	31.8	35.2	11.4	36.79	100	341	A	V
	*	5977	95.9	-	-	86.03	35.28	11.45	36.86	100	341	P	V
	5977	87.66	-	-	77.79	35.28	11.45	36.86	100	341	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII 5 5925~6425MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
7+8		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE80 Full CH 07 5985MHz		11968	44.17	-29.83	74	49.67	39.8	16.53	61.83	300	0	P	H
		11968	44.9	-29.1	74	50.4	39.8	16.53	61.83	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII 5 5925~6425MHz

WIFI 802.11ax HE160 Full (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
7+8		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE160 Full CH 15 6025MHz		5917.48	50.08	-38.22	88.3	40.27	35.2	11.4	36.79	100	126	P	H
		5917.48	40.51	-27.79	68.3	30.7	35.2	11.4	36.79	100	126	A	H
	*	5950	90.28	-	-	80.44	35.24	11.43	36.83	100	126	P	H
		5995	83.9	-	-	74.01	35.3	11.47	36.88	100	126	A	H
		5912.36	51.96	-36.34	88.3	42.15	35.2	11.4	36.79	394	335	P	V
		5912.36	41.39	-26.91	68.3	31.58	35.2	11.4	36.79	394	335	A	V
	*	6058	95.86	-	-	85.88	35.34	11.51	36.87	394	335	P	V
	6040	88.86	-	-	78.91	35.32	11.5	36.87	394	335	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII 5 5925~6425MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
7+8		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE160 Full CH 15 6025MHz		12048	43.87	-30.13	74	54.65	38.53	16.7	66.01	300	0	P	H
		12048	42.93	-31.07	74	53.71	38.53	16.7	66.01	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



<11ax Partial RU>

WIFI 802.11ax HE20 Partial 52 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
7+8		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Partial 52/37 CH 02 5935MHz		5924.96	69.95	-18.35	88.3	60.14	35.22	11.4	36.81	100	80	P	H
		5924.96	63.38	-4.92	68.3	53.57	35.22	11.4	36.81	100	80	A	H
		5932	78.77	-	-	68.94	35.22	11.42	36.81	100	80	P	H
		5923	71.44	-	-	61.63	35.22	11.4	36.81	100	80	A	H
		5924.96	72.72	-15.58	88.3	62.91	35.22	11.4	36.81	124	345	P	V
		5924.96	65.99	-2.31	68.3	56.18	35.22	11.4	36.81	124	345	A	V
		5923	83.52	-	-	73.71	35.22	11.4	36.81	124	345	P	V
		5923	74.89	-	-	65.08	35.22	11.4	36.81	124	345	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII 5 5925~6425MHz

WIFI 802.11ax HE40 Partial 242 (Band Edge @ 3m)

WIFI Ant. 7+8	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 242/62 CH 227 7085MHz		7164.18	52.89	-35.41	88.3	41.49	35.83	12.66	37.09	100	76	P	H
		7197.3	41.62	-26.68	68.3	30.15	35.84	12.71	37.08	100	76	A	H
		7102	92.71	-	-	81.41	35.82	12.59	37.11	100	76	P	H
		7102	85.04	-	-	73.74	35.82	12.59	37.11	100	76	A	H
		7196.76	51.75	-36.55	88.3	40.28	35.84	12.71	37.08	300	28	P	V
		7200	41.62	-26.68	68.3	30.15	35.84	12.71	37.08	300	28	A	V
		7102	94.97	-	-	83.67	35.82	12.59	37.11	300	28	P	V
		7084	87.57	-	-	76.31	35.82	12.56	37.12	300	28	A	V
Remark	<ol style="list-style-type: none"> No other spurious found. All results are PASS against Peak and Average limit line. 												



U-NII 8 6875~7125MHz
WIFI 802.11ax HE80 Partial 484 (Band Edge @ 3m)

Table with 14 columns: WIFI Ant. 7+8, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Path Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include test results for 802.11ax HE80 Partial 484/66 CH 215 7025MHz and a Remark section.



U-NII 8 6875~7125MHz
WIFI 802.11ax HE160 Partial 996 (Band Edge @ 3m)

Table with 14 columns: WIFI Ant. 7+8, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Path Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include test results for frequencies 5901.48, 5916.84, 5950, 5959, 5910.12, 5916.84, 5995, and 5959.

Remark

- 1. No other spurious found.
2. All results are PASS against Peak and Average limit line.



Emission below 1GHz
WIFI 802.11ax HE20 Full (LF @ 3m)

Table with 14 columns: WIFI Ant. 7+8, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Path Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include frequency data for 802.11ax HE20 Full LF and a Remark section.



<RSE Co-location>

U-NII 8 - 6875-7125MHzMHz

WIFI 802.11ax HE20 Full&Part 27M LTE B7 BW_20M (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
7+8		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 223 7115MHz		7125	67.94	-20.36	88.3	56.62	35.82	12.61	37.11	100	65	P	H
		7125	64.95	-3.35	68.3	53.63	35.82	12.61	37.11	100	65	A	H
	*	7120	83.26	-	-	71.94	35.82	12.61	37.11	100	65	P	H
		7120	75	-	-	63.68	35.82	12.61	37.11	100	65	A	H
		7125	71.8	-16.5	88.3	60.48	35.82	12.61	37.11	100	26	P	V
		7125	65.05	-3.25	68.3	53.73	35.82	12.61	37.11	100	26	A	V
	*	7120	85.72	-	-	74.4	35.82	12.61	37.11	100	26	P	V
		7120	77.46	-	-	66.14	35.82	12.61	37.11	100	26	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII 8 6875~7125MHz

WIFI 802.11ax HE20 Full&Part 27M LTE B7 BW_20M (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
7+8		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 223 7115MHz		14230	46.02	-42.28	88.3	53.73	39.02	18.19	64.92	300	0	P	H
		14230	45.92	-42.38	88.3	53.63	39.02	18.19	64.92	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII 8 - 6875-7125MHzMHz

WIFI 802.11ax HE20 Full &Part 27M LTE B7 BW_20M&&BLE_CH00 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
7+8		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 223 7115MHz		7125	69.22	-19.08	88.3	57.9	35.82	12.61	37.11	370	290	P	H
		7125	64.38	-3.92	68.3	53.06	35.82	12.61	37.11	370	290	A	H
	*	7120	81.91	-	-	70.59	35.82	12.61	37.11	370	290	P	H
		7111	73.4	-	-	62.08	35.82	12.61	37.11	370	290	A	H
		7125	72.34	-15.96	88.3	61.02	35.82	12.61	37.11	100	25	P	V
		7125	65.64	-2.66	68.3	54.32	35.82	12.61	37.11	100	25	A	V
	*	7111	85.43	-	-	74.11	35.82	12.61	37.11	100	25	P	V
	7120	76.94	-	-	65.62	35.82	12.61	37.11	100	25	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII 8 6875~7125MHz

WIFI 802.11ax HE20 Full &Part 27M LTE B7 BW_20M&&BLE_CH00 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
7+8		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 223 7115MHz		14232	45.02	-43.28	88.3	52.73	39.02	18.19	64.92	300	0	P	H
		14232	44.92	-43.38	88.3	52.63	39.02	18.19	64.92	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE20 Full &Part 27M LTE B7 BW_20M&&BLE_CH00 (Band Edge @ 3m)

BLE	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
BLE CH 00 2402MHz		2388.13	50.43	-23.57	74	47.31	32.88	7.1	36.86	165	203	P	H
		2384.88	40.72	-13.28	54	37.63	32.86	7.1	36.87	165	203	A	H
		2402	98.33	-	-	95.18	32.88	7.13	36.86	165	203	P	H
		2402	97.74	-	-	94.59	32.88	7.13	36.86	165	203	A	H
		2372.79	50.35	-23.65	74	47.29	32.86	7.07	36.87	271	69	P	V
		2383.45	40.81	-13.19	54	37.72	32.86	7.1	36.87	271	69	A	V
		2402	100.59	-	-	97.44	32.88	7.13	36.86	271	69	P	V
		2402	100.03	-	-	96.88	32.88	7.13	36.86	271	69	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE20 Full &Part 27M LTE B7 BW_20M&&BLE_CH00 (Harmonic @ 3m)

BLE	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
BLE CH 00 2402MHz		4804	40.31	-33.69	74	61.29	34.19	10.2	65.37	300	0	P	H
		4804	39.35	-34.65	74	60.33	34.19	10.2	65.37	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Note symbol

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is over limit line.
P/A	Peak or Average
H/V	Horizontal or Vertical



A calculation example for radiated spurious emission is shown as below:

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
7+8		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01													
2412MHz		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBμV/m) = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
3. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)
= 55.45 (dBμV/m)
2. Over Limit(dB)
= Level(dBμV/m) – Limit Line(dBμV/m)
= 55.45(dBμV/m) – 74(dBμV/m)
= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)
= 43.54 (dBμV/m)
2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)
= 43.54(dBμV/m) – 54(dBμV/m)
= -10.46(dB)

Both peak and average measured complies with the limit line, so test result is “PASS”.



Appendix D. Radiated Spurious Emission

Note symbol

-L	Low channel location
-R	High channel location

Only the worst results for each bandwidth are shown in the report.



WIFI 802.11a (Band Edge @ 3m)

WIFI	U-NII 5 - 5925-6425MHz Band Edge @ 3m																																																																					
ANT	802.11a CH02 5935MHz																																																																					
7+8	Horizontal	Fundamental																																																																				
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Avg.	<p>Site : 030905-KS Condition : WIFI 6E AVG 3m 3317 5M 75957 HORIZONTAL RSM 1000.000kHz VBR 0.010kHz SMT-Auto Project : (FR)241808 Mode : 79 Plane : Z Antenna : Single-directivity IPE1 : 802 Powersetting : 3.5</p> <table border="1"> <thead> <tr> <th>Freq</th> <th>Level</th> <th>Over</th> <th>Limit</th> <th>ReadAntenna</th> <th>Cable</th> <th>Preamp</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> <th>Pol/Phas</th> </tr> <tr> <th>MHz</th> <th>dBV/m</th> <th>dB</th> <th>dBV/m</th> <th>dBV</th> <th>dB/m</th> <th>dB</th> <th>cm</th> <th>deg</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>5924.96</td> <td>48.88</td> <td>-19.42</td> <td>68.30</td> <td>39.07</td> <td>35.22</td> <td>11.40</td> <td>36.81</td> <td>327</td> <td>231 Average</td> <td>HORIZONTAL</td> </tr> </tbody> </table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBV/m	dB	dBV/m	dBV	dB/m	dB	cm	deg			1	5924.96	48.88	-19.42	68.30	39.07	35.22	11.40	36.81	327	231 Average	HORIZONTAL	<p>Site : 030905-KS Condition : WIFI 6E AVG 3m 3317 5M 75957 HORIZONTAL RSM 1000.000kHz VBR 0.010kHz SMT-Auto Project : (FR)241808 Mode : 79 Plane : Z Antenna : Single-directivity IPE1 : 802 Powersetting : 3.5</p> <table border="1"> <thead> <tr> <th>Freq</th> <th>Level</th> <th>Over</th> <th>Limit</th> <th>ReadAntenna</th> <th>Cable</th> <th>Preamp</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> <th>Pol/Phas</th> </tr> <tr> <th>MHz</th> <th>dBV/m</th> <th>dB</th> <th>dBV/m</th> <th>dBV</th> <th>dB/m</th> <th>dB</th> <th>cm</th> <th>deg</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>5932.00</td> <td>82.18</td> <td>13.88</td> <td>68.30</td> <td>72.35</td> <td>35.22</td> <td>11.42</td> <td>36.81</td> <td>327</td> <td>231 Average</td> <td>HORIZONTAL</td> </tr> </tbody> </table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBV/m	dB	dBV/m	dBV	dB/m	dB	cm	deg			1	5932.00	82.18	13.88	68.30	72.35	35.22	11.42	36.81	327	231 Average	HORIZONTAL
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WIFI 802.11a (Harmonic @ 3m)

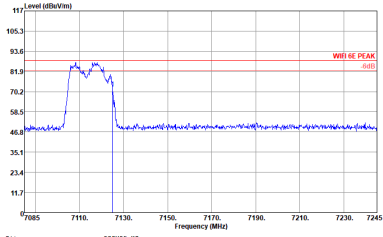
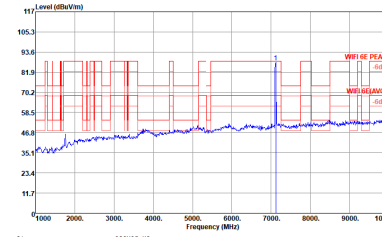
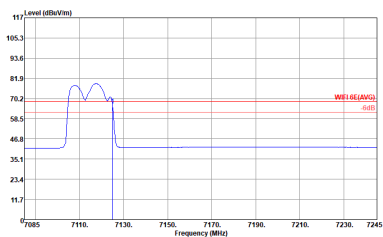
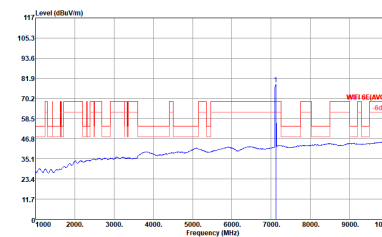
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WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI	U-NII 8 - 6875-7125MHz Band Edge @ 3m																																																											
ANT	802.11ax HE20 Full CH233 7115MHz																																																											
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Peak	<p>Site : 030905-KS Condition : WIFI 6E PEAK 3m 3317 SM 75957 HORIZONTAL Project : (FR)241808 Mode : 45 Plane : 2 Single-directivity IE1 : #52 Powersetting : -5</p> <table border="1"> <thead> <tr> <th>Over</th> <th>Limit</th> <th>ReadAntenna</th> <th>Cable Preamp</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> <th>Pol/Phas</th> </tr> <tr> <th>Line</th> <th>Line</th> <th>Level Factor</th> <th>Loss Factor</th> <th>dB</th> <th>dB</th> <th>cm</th> <th>deg</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>7125.00</td> <td>71.40</td> <td>-16.99</td> <td>88.30</td> <td>60.08</td> <td>35.82</td> <td>12.61</td> <td>37.11</td> <td>102</td> <td>77</td> <td>Peak</td> <td>HORIZONTAL</td> </tr> </tbody> </table>	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	Line	Line	Level Factor	Loss Factor	dB	dB	cm	deg	1	7125.00	71.40	-16.99	88.30	60.08	35.82	12.61	37.11	102	77	Peak	HORIZONTAL	<p>Site : 030905-KS Condition : WIFI 6E PEAK 3m 3317 SM 75957 HORIZONTAL Project : (FR)241808 Mode : 45 Plane : 2 Single-directivity IE1 : #62 Powersetting : -5</p> <table border="1"> <thead> <tr> <th>Over</th> <th>Limit</th> <th>ReadAntenna</th> <th>Cable Preamp</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> <th>Pol/Phas</th> </tr> <tr> <th>Line</th> <th>Line</th> <th>Level Factor</th> <th>Loss Factor</th> <th>dB</th> <th>dB</th> <th>cm</th> <th>deg</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>7120.00</td> <td>86.99</td> <td>-1.31</td> <td>88.30</td> <td>75.67</td> <td>35.82</td> <td>12.61</td> <td>37.11</td> <td>102</td> <td>77</td> <td>Peak</td> <td>HORIZONTAL</td> </tr> </tbody> </table>	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	Line	Line	Level Factor	Loss Factor	dB	dB	cm	deg	1	7120.00	86.99	-1.31	88.30	75.67	35.82	12.61	37.11	102	77	Peak	HORIZONTAL
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WIFI 802.11ax HE20 Full (Harmonic @ 3m)

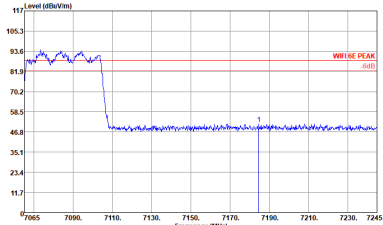
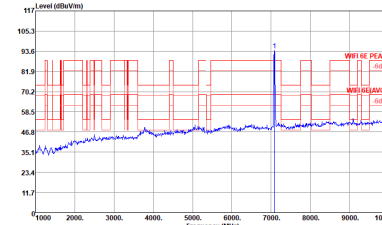
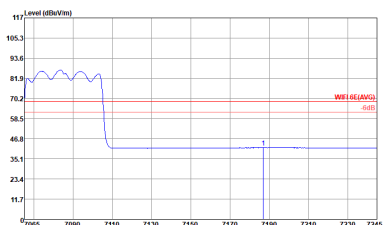
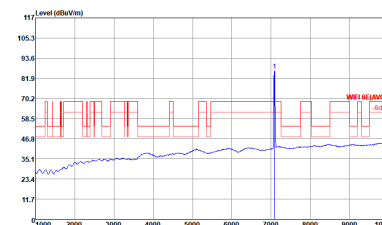
WIFI	U-NII 8 - 6875-7125MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH233 7115 MHz	
7+8	Horizontal	Vertical
Peak Avg.	<p>Site : 020004-R3 Condition : WIFI AE PEAK 3m 91200 1648 HORIZONTAL Power : 1000.0000MHz YBR-3000.0000MHz SWT:Auto Project : (F0)241808 Mode : 40 IMEI : #63 354283690001593/354283690001601 Plane : Z Full-directivity ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dBm dBm on deg 1 14332.00 46.02 -42.28 88.30 52.02 39.91 18.11 64.02 300 0 Peak HORIZONTAL</p>	<p>Site : 020004-R3 Condition : WIFI AE PEAK 3m 91200 1648 VERTICAL Power : 1000.0000MHz YBR-3000.0000MHz SWT:Auto Project : (F0)241808 Mode : 40 IMEI : #63 354283690001593/354283690001601 Plane : Z Full-directivity ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dBm dBm on deg 1 14332.00 45.92 -42.38 88.30 51.92 39.91 18.11 64.02 100 0 Peak VERTICAL</p>



U-NII 8 - 6875-7125MHzMHz
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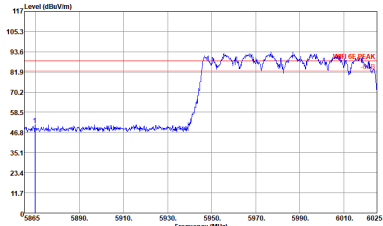
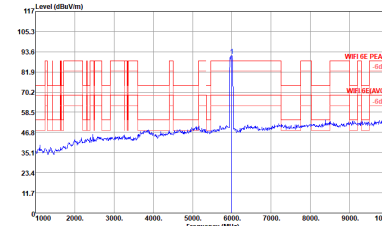
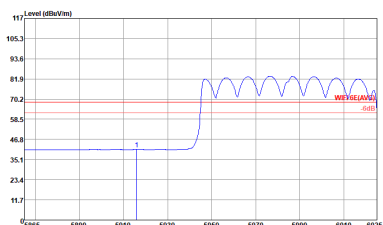
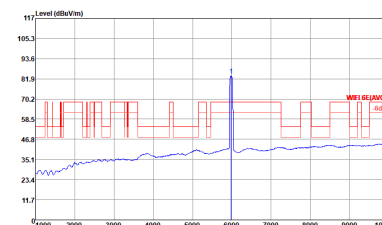


U-NII 8 - 6875-7125MHz
WIFI 802.11ax HE40 Full (Harmonic @ 3m)

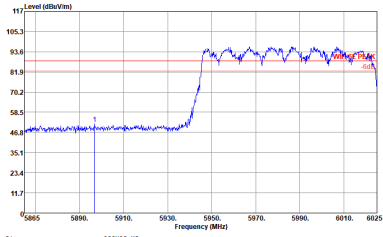
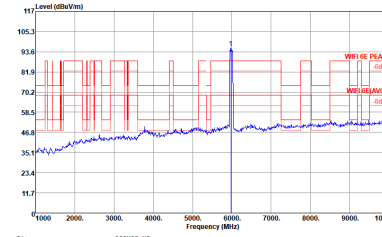
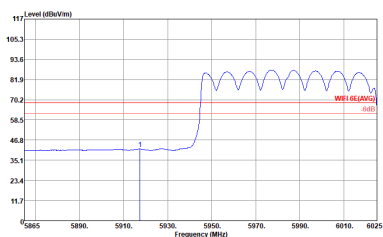
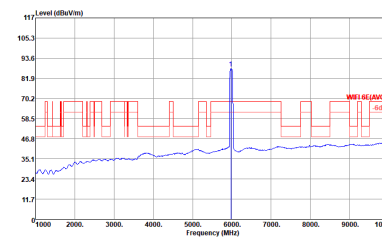
WIFI	U-NII 8 - 6875-7125MHz Harmonic @ 3m	
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U-NII 5 - 5925-6425MHzMHz
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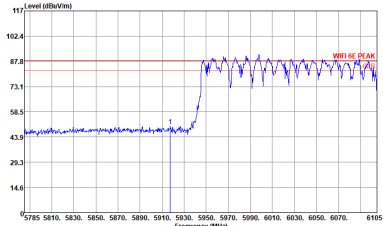
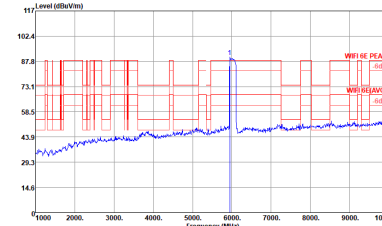
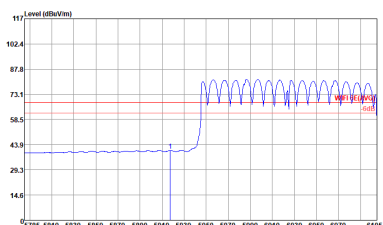
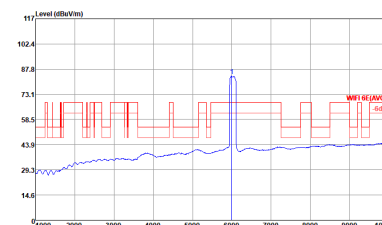


WIFI 802.11ax HE80 Full (Harmonic @ 3m)

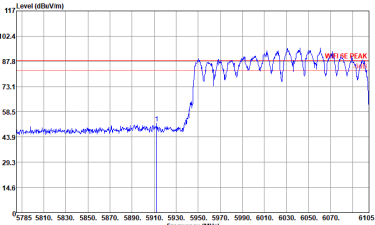
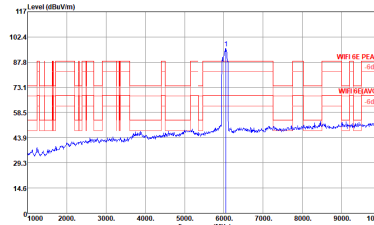
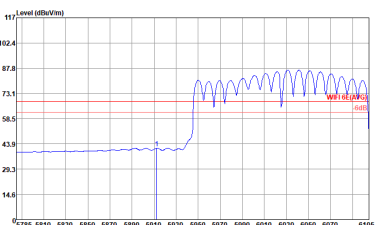
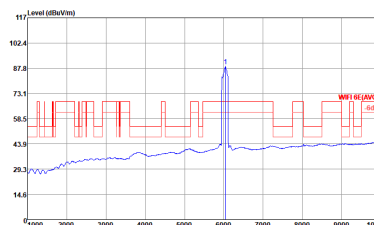
WIFI	U-NII 5 - 5925-6425MHzMHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH07 5985MHz	
7+8	Horizontal	Vertical
Peak Avg.	<p>Site : 020004-03 Condition : WIFI AE PEAK 3m 91200 1648 HORIZONTAL Project : #08 1000 5000Hz YBR-3000 0000Hz SRT:Auto Mod : (F0)241808 Mode : 11 IMEI : #63 354283690001593/354283690001601 Plane : Z Full-directivity Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor cm deg 1 11968.00 44.17 -29.83 74.00 49.67 39.80 16.53 61.83 300 0 Peak HORIZONTAL</p>	<p>Site : 020004-03 Condition : WIFI AE PEAK 3m 91200 1648 VERTICAL Project : #08 1000 5000Hz YBR-3000 0000Hz SRT:Auto Mod : (F0)241808 Mode : 11 IMEI : #63 354283690001593/354283690001601 Plane : Z Full-directivity Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor cm deg 1 11968.00 44.90 -29.10 74.00 50.40 39.80 16.53 61.83 100 0 Peak VERTICAL</p>



U-NII 5 - 5925-6425MHzMHz
WIFI 802.11ax HE160 Full (Band Edge @ 3m)

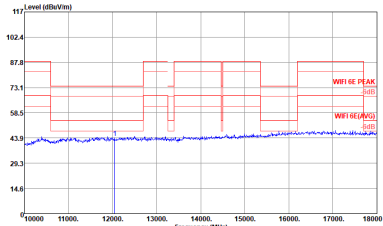
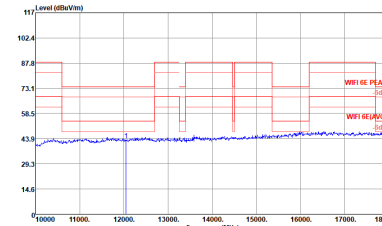
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**U-NII 5 - 5925-6425MHzMHz
WIFI 802.11ax HE160 Full (Harmonic @ 3m)**

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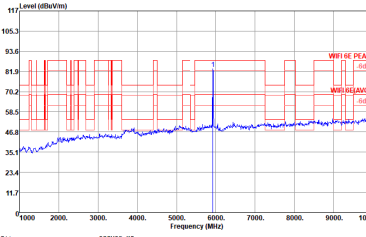
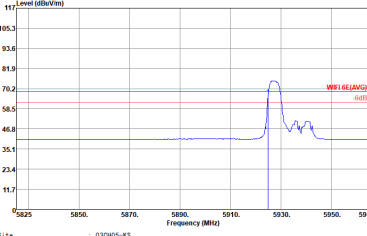
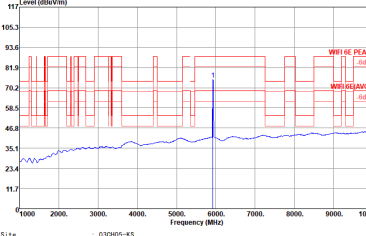


<11ax Partial RU>

WIFI 802.11ax HE20 Partial 52 (Band Edge @ 3m)

WIFI	U-NII 5 - 5925-6425MHz Band Edge @ 3m																																																																	
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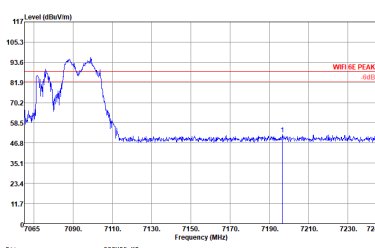
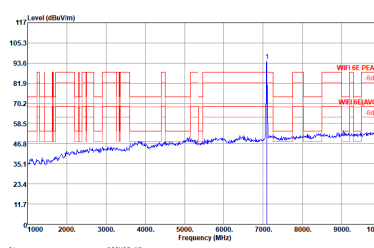
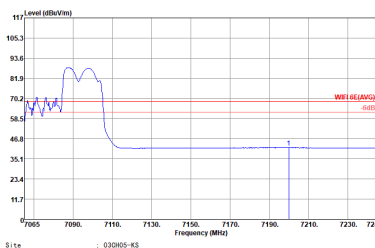
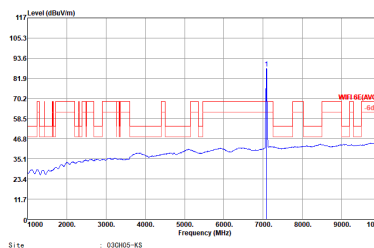
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U-NII 5 - 5925-6425MHzMHz
WIFI 802.11ax HE40 Partial 242 (Band Edge @ 3m)

WIFI	U-NII 8 - 6875-7125MHz Band Edge @ 3m																																																											
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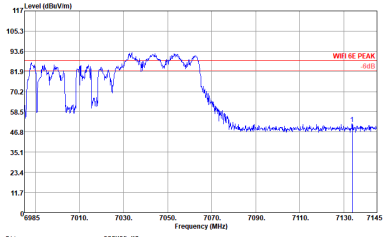
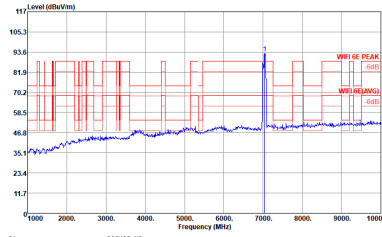
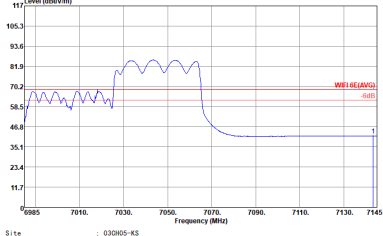
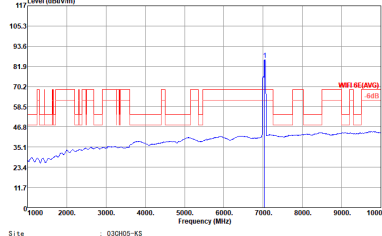
WIFI	U-NII 8 - 6875-7125MHz Band Edge @ 3m																																																											
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U-NII 8 - 6875-7125MHzMHz
WIFI 802.11ax HE80 Partial 484 (Band Edge @ 3m)

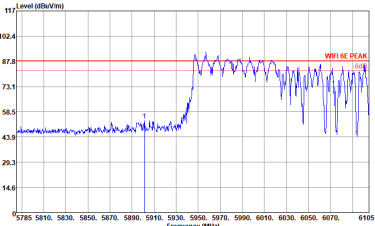
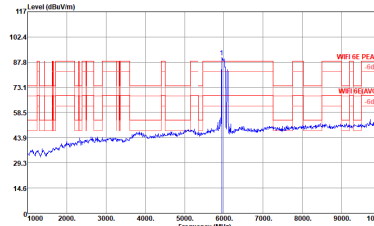
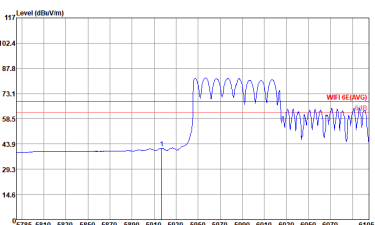
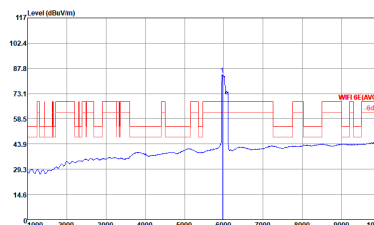
WIFI	U-NII 8 - 6875-7125MHz Band Edge @ 3m																											
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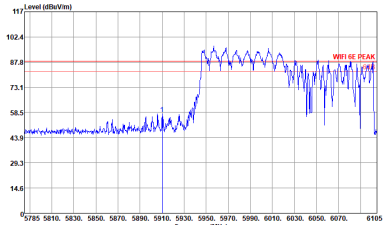
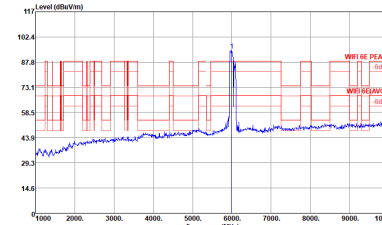
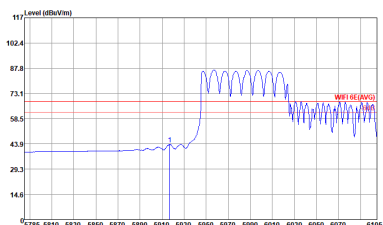
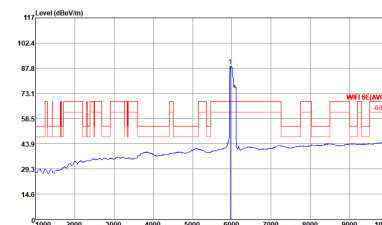
WIFI	U-NII 8 - 6875-7125MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/66 CH215 7025MHz	
7+8	Vertical	Fundamental
<p>Peak</p>	 <pre> Site : 030805-KS Condition : WIFI 6E PEAK 3m 3317.5M 70257 VERTICAL Project : FR241808 Mode : 44 Plane : 2 Antenna : Single-directivity IMEI : 862 Powerstat : 7.5 Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor Remark Pol/Phas ----- 1 7132.80 51.65 -36.65 88.30 40.28 35.83 12.64 37.10 100 351 Peak VERTICAL </pre>	 <pre> Site : 030805-KS Condition : WIFI 6E PEAK 3m 3317.5M 70257 VERTICAL Project : FR241808 Mode : 44 Plane : 2 Antenna : Single-directivity IMEI : 862 Powerstat : 7.5 Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor Remark Pol/Phas ----- 1 * 7039.00 92.84 4.54 88.30 81.66 35.81 12.51 37.14 100 351 Peak VERTICAL </pre>
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WIFI 802.11ax HE160 Partial 996 (Band Edge @ 3m)

WIFI	U-NII 5 - 5925-6425MHz Band Edge @ 3m																																																															
ANT	802.11ax HE160 Partial 996/67 CH15 6025MHz																																																															
7+8	Horizontal	Fundamental																																																														
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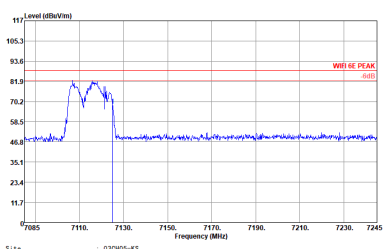
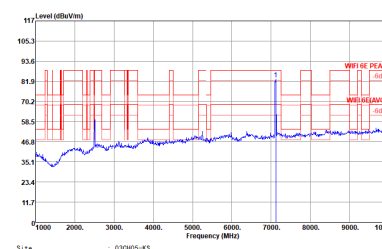
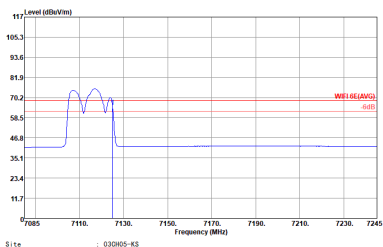
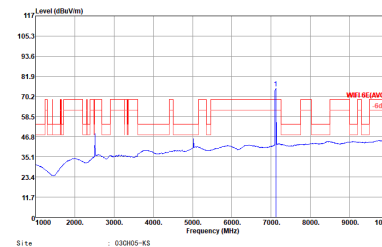
Emission below 1GHz
5GHz WIFI 802.11ax HE20 Full (LF)

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<RSE Co-location>

WIFI 802.11ax HE20 Full&Part 27M LTE B7 BW_20M (Band Edge @ 3m)

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