RF MEASUREMENT REPORT

FCC ID	:	2AXJ4XE75V2
Applicant	:	TP-Link Corporation Limited
Application Type	:	Certification
Product	:	AXE5400 Whole Home Mesh Wi-Fi 6E System
Model No.	:	Deco XE75, Deco XE5300
Brand Name	:	tp-link
FCC Classification	:	15E 6GHz Low Power Indoor Access Point (6ID)
FCC Rule Part(s)	:	Part 15 Subpart E (Section 15.407)
Received Date	:	September 13, 2022
Test Date	:	September 17, 2022 ~ October 28, 2022

Tested By : Owen Tsai
(Owen Tsai)

Reviewed By : Paddy Chen
(Paddy Chen)

Approved By : Chenz Ker
(Chenz Ker)

Testing Laboratory
3261

The test results relate only to the samples tested.
This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in KDB789033. Test results reported herein relate only to the item(s) tested.
The test report shall not be reproduced except in full without the written approval of MRT Technology (Taiwan) Co., Ltd.

Revision History

Report No.	Version	Description	Issue Date	Note
2209TW0106-U6	1.0	Original Report	2022-11-30	Valid

CONTENTS

General Information

Applicant	TP-Link Corporation Limited
Applicant Address	Room 901, 9/F., New East Ocean Centre, 9 Science Museum Road, Tsim Sha Tsui, Kowloon, Hongkong
Manufacturer	TP-Link Corporation Limited
Manufacturer Address	Room 901, 9/F., New East Ocean Centre, 9 Science Museum Road, Tsim Sha Tsui, Kowloon, Hongkong
Test Site	MRT Technology (Taiwan) Co., Ltd
Test Site Address	No. 38, Fuxing Second Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C)
MRT FCC Registration No.	291082
FCC Rule Part(s)	Part 15.407

Test Facility / Accreditations

1. MRT facility is a FCC registered (Reg. No. 291082) test facility with the site description report on file and is designated by the FCC as an Accredited Test Firm.
2. MRT facility is an IC registered (MRT Reg. No. 21723) test laboratory with the site description on file at Industry Canada.
3. MRT Lab is accredited to ISO 17025 by the Taiwan Accreditation Foundation (TAF Cert. No. 3261) in EMC, Telecommunications and Radio testing for FCC (Designation Number: TW3261), Industry Taiwan, EU and TELEC Rules.

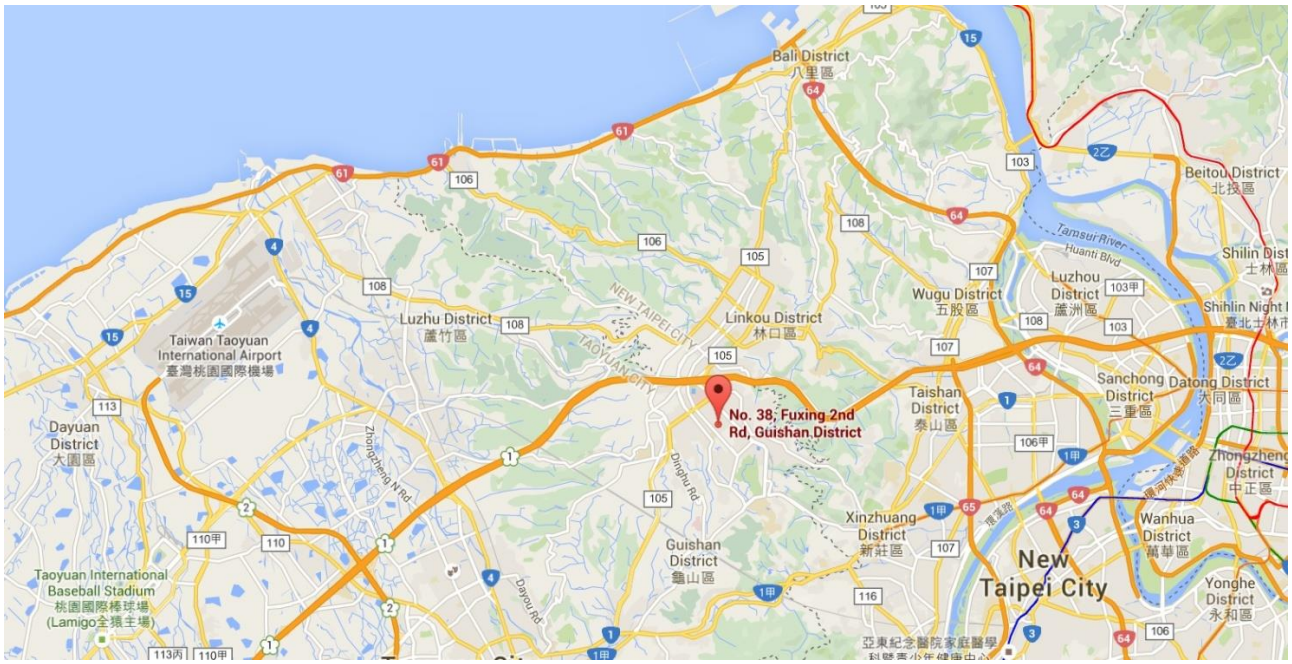
1. INTRODUCTION

1.1. Scope

Measurement and determination of electromagnetic emissions (EMC) of radio frequency devices including intentional and/or unintentional radiators for compliance with the technical rules and regulations of the Federal Communications Commission and the Innovation, Science and Economic Development Canada and Certification and Engineering Bureau.

1.2. MRT Test Location

The map below shows the location of the MRT LABORATORY, its proximity to the Taoyuan City. These measurement tests were conducted at the MRT Technology (Taiwan) Co., Ltd. Facility located at No.38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 33377, Taiwan (R.O.C).



2. Product Information

2.1. Equipment Description

Product Name	AXE5400 Whole Home Mesh Wi-Fi 6E System
Model No.	Deco XE75, Deco XE5300
Brand Name	tp-link
Wi-Fi Specification	802.11a/b/g/n/ac/ax
EUT Identification No.:	#1-1 (Conducted) #1-2 (Radiated)
Antenna Information	Refer to section 2.4
Accessory	
Adapter	MODEL: T120200-2B4 INPUT: 100 - 240V ~ 50/60Hz 0.8A. OUTPUT: 12.0V⎓2.0A Cable Out: Non-shielding, 1.2m
Remark: Hardware design and PCB layout are the same between the two models, only the model for our marketing strategy is different. Deco XE75 was selected for testing.	

2.2. Radio Specification

Frequency Range	For 802.11ax-HE20: 6115 ~ 7095MHz For 802.11ax-HE40: 6125 ~ 7085MHz For 802.11ax-HE80: 6145 ~ 7025MHz For 802.11ax-HE160: 6185 ~ 6985MHz
Type of Modulation	802.11ax: OFDMA
Data Rate	802.11ax: up to 2402Mbps

Note: For other features of this EUT, test report will be issued separately.

2.3. Working Frequencies

802.11ax-HE20

Channel	Frequency	Channel	Frequency	Channel	Frequency
33	6115 MHz	37	6135 MHz	41	6155 MHz
45	6175 MHz	49	6195 MHz	53	6215 MHz
57	6235 MHz	61	6255 MHz	65	6275 MHz
69	6295 MHz	73	6315 MHz	77	6335 MHz
81	6355 MHz	85	6375 MHz	89	6395 MHz
93	6415 MHz	97	6435 MHz	101	6455 MHz
105	6475 MHz	109	5495 MHz	113	6515 MHz
117	6535 MHz	121	6555 MHz	125	6575 MHz
129	6595 MHz	133	6615 MHz	137	6635 MHz
141	6655 MHz	145	6675 MHz	149	6695 MHz
153	6715 MHz	157	6735 MHz	161	6755 MHz
165	6775 MHz	169	6795 MHz	173	6815 MHz
177	6835 MHz	181	6855 MHz	185	6875 MHz
189	6895 MHz	193	6915 MHz	197	6935 MHz
201	6955 MHz	205	6975 MHz	209	6995 MHz
213	7015 MHz	217	7035 MHz	221	7055 MHz
225	7075 MHz	229	7095 MHz	--	--

802.11ax-HE40

Channel	Frequency	Channel	Frequency	Channel	Frequency
35	6125 MHz	43	6165 MHz	51	6205 MHz
59	6245 MHz	67	6285 MHz	75	6325 MHz
83	6365 MHz	91	6405 MHz	99	6445 MHz
107	6485 MHz	115	6525 MHz	123	6565 MHz
131	6605 MHz	139	6645 MHz	147	6685 MHz
155	6725 MHz	163	6765 MHz	171	6805 MHz
179	6845 MHz	187	6885 MHz	195	6925 MHz
203	6965 MHz	211	7005 MHz	219	7045 MHz
227	7085 MHz	--	--	--	--

802.11ax-HE80

Channel	Frequency	Channel	Frequency	Channel	Frequency
39	6145 MHz	55	6225 MHz	71	6305 MHz
87	6385 MHz	103	6465 MHz	119	6545 MHz
135	6625 MHz	151	6705 MHz	167	6785 MHz
183	6865 MHz	199	6945 MHz	215	7025 MHz

802.11ax-HE160

Channel	Frequency	Channel	Frequency	Channel	Frequency
47	6185 MHz	79	6345 MHz	111	6505 MHz
143	6665 MHz	175	6825 MHz	207	6985 MHz

2.4. Antenna Details

Antenna Type	Frequency Band (MHz)	T_X Paths	Number of spatial streams	Antenna Gain (dBi)	CDD Directional Gain (dBi)	
					For Power	For PSD
Dipole Antenna	5925~7125	2	1	1.00	1.00	4.01
		2	2	1.00	1.00	1.00

Note: The EUT supports Cyclic Delay Diversity (CDD) mode, and CDD signals are correlated.

If all antennas have the same gain, G_{ANT}, Directional gain = G_{ANT} + Array Gain, where Array Gain is as follows.

- For power spectral density (PSD) measurements on all devices,

Array Gain = 10 log (N_{ANT}/ N_{SS}) dB;

- For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB for $N_{ANT} \leq 4$;

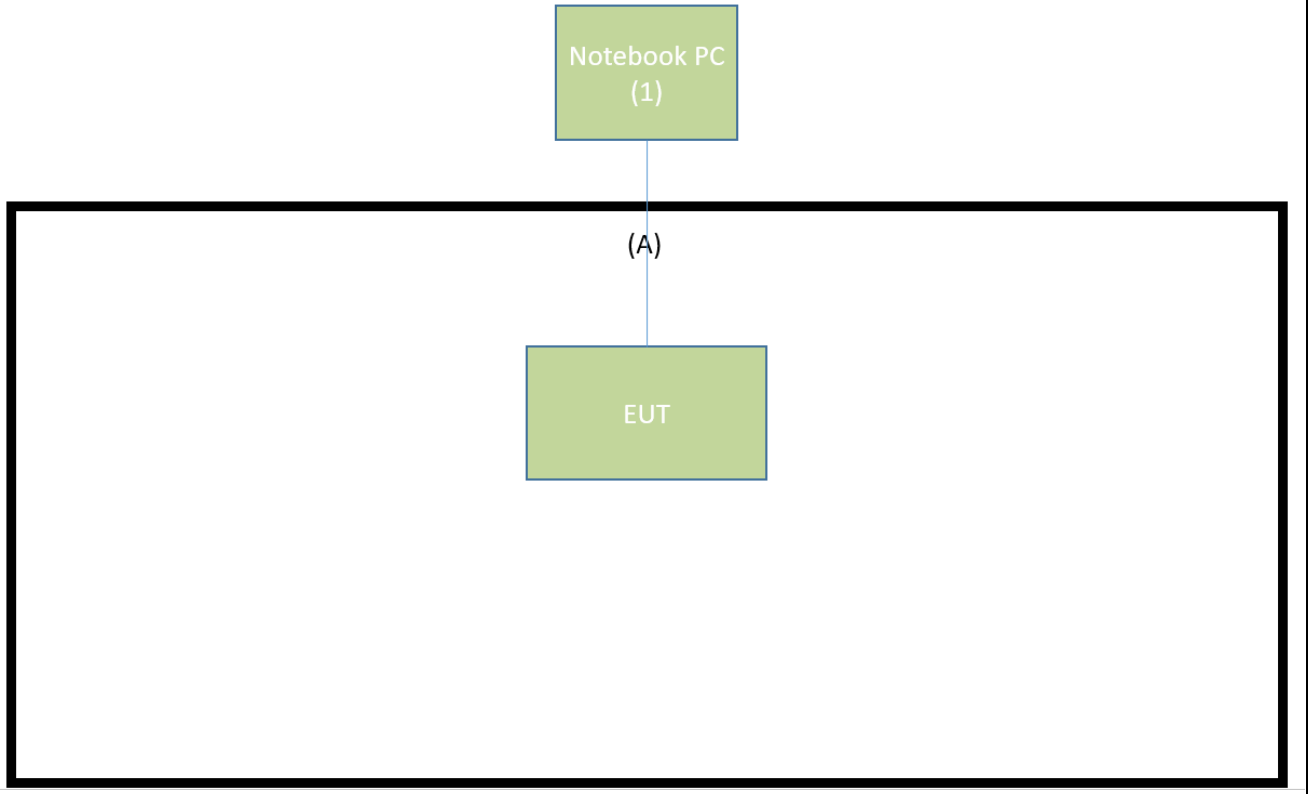
2.5. Test Mode

CDD Mode
Mode 1: Transmit by 802.11ax-HE20_N_{SS}=1 (MCS0)
Mode 2: Transmit by 802.11ax-HE40_N_{SS}=1 (MCS0)
Mode 3: Transmit by 802.11ax-HE80_N_{SS}=1 (MCS0)
Mode 4: Transmit by 802.11 ax-HE160_N_{SS}=1 (MCS0)
Mode 5: Transmit by 802.11ax-HE20_N_{SS}=2 (MCS0)
Mode 6: Transmit by 802.11ax-HE40_N_{SS}=2 (MCS0)
Mode 7: Transmit by 802.11ax-HE80_N_{SS}=2 (MCS0)
Mode 8: Transmit by 802.11 ax-HE160_N_{SS}=2 (MCS0)
Remark: 1. For Radiated emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power. 2. For CDD mode, this device supports 1 N_{SS} and 2 N_{SS}. N_{SS}=1 and N_{SS}=2 were tested in this report. 3. EUT supports one configuration only in 802.11ax full RU mode.

2.6. Test System Connection Diagram

The device was tested per the guidance ANSI C63.10: 2013 was used to reference the appropriate EUT setup for radiated emissions testing and AC line conducted testing.

Connection Diagram



Cable Type		Cable Description
A	LAN Cable	Non shielded, 10m

2.7. Test System Details

Product		Manufacturer	Model No.	Serial No.	Power Cord
1	Notebook PC	Lenovo	20Y7-006KTW	N/A	Non-Shielded, 0.8m

2.8. Test Software

The test utility software used during testing was “QSPR”, the version is ver5.0-00188.

Note: Final power setting please refer to operational description.

2.9. Applied Standards

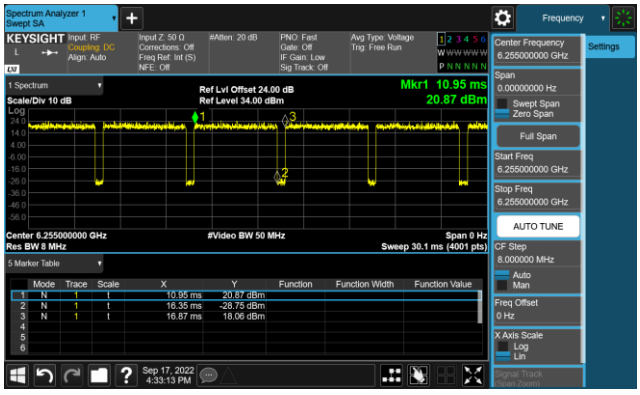
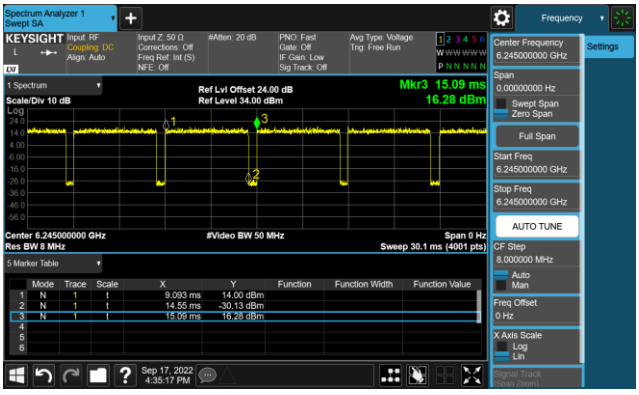
According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

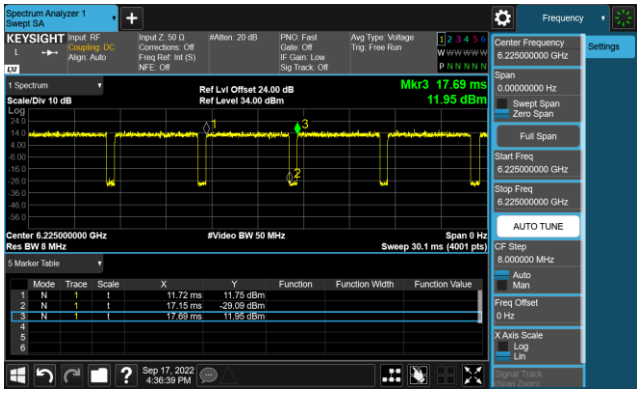
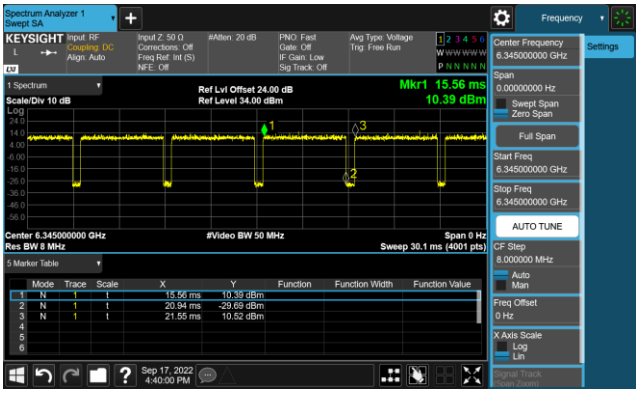
- ANSI C63.10-2013
- FCC KDB 789033 D02v02r01
- FCC KDB 987594 D02v01
- FCC KDB 662911 D01v02r01
- FCC KDB 414788 D01v01r01
- FCC KDB 412172 D01v01r01

2.10. Duty Cycle

The maximum achievable duty cycles for all modes were determined based on measurements performed on a spectrum analyzer in zero-span mode with RBW = 8MHz, VBW = 50MHz. The RBW and VBW were both greater than 50/T, where T is the minimum transmission duration, and the number of sweep points across T was greater than 100. The duty cycles are as follows:

Test Mode	Duty Cycle
802.11ax-HE20	91.22%
802.11ax-HE40	91.00%
802.11ax-HE80	90.95%
802.11ax-HE160	89.82%

Duty Cycle	
802.11ax-HE20	802.11ax-HE40
	

Duty Cycle	
802.11ax-HE80	802.11ax-HE160
	

2.11. Test Environment Condition

Ambient Temperature	15°C~35°C
Relative Humidity	20%RH ~75%RH

3. Antenna Requirements

Excerpt from §15.203 of the FCC Rules/Regulations:

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

The antenna of the device is built in and locked inside the enclosure.

Conclusion:

The device complies with the requirement of §15.407(a)(9).

4. Measuring Instrument

Conducted Emissions

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
Two-Line V-Network	R&S	ENV216	MRTTWA00019	1 year	2023/3/7
Two-Line V-Network	R&S	ENV216	MRTTWA00020	1 year	2023/4/20
EMI Test Receiver	R&S	ESR3	MRTTWA00045	1 year	2023/5/9
DIVA PLUS Funk-Wetterstation	TFA	35.1083	MRTTWA00050	1 year	2023/6/16

Radiated Emissions

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
Broadband TRILOG Antenna	SCHWARZBECK	VULB 9162	MRTTWA00001	1 year	2022/11/4
EMI Test Receiver	R&S	ESR3	MRTTWA00009	1 year	2023/3/9
Signal Analyzer	R&S	FSVA3044	MRTTWA00092	1 year	2023/6/23
Acitve Loop Antenna	Schwarzbeck	FMZB 1519B	MRTTWA00002	1 year	2023/5/24
Broadband Hornantenna	RFSPIN	DRH18-E	MRTTWA00087	1 year	2023/5/10
Breitband Hornantenna	Schwarzbeck	BBHA 9170	MRTTWA00004	1 year	2023/3/29
Broadband Preamplifier	EMC Instruments corporation	EMC118A45SE	MRTTWA00088	1 year	2023/5/9
Broadband Preamplifier	SCHWARZBECK	BBV 9718	MRTTWA00005	1 year	2023/3/30
Cable	HUBERSUHNER	SF106	MRTTWE00034	1 year	2023/6/27

Conducted Test Equipment

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
X-Series USB Peak and Average Power Sensor	KEYSIGHT	U2021XA	MRTTWA00014	1 year	2023/4/20
EXA Signal Analyzer	KEYSIGHT	N9010A	MRTTWA00012	1 year	2023/10/5
EXA Signal Analyzer	KEYSIGHT	N9010B	MRTTWA00074	1 year	2023/7/19
Attenuator	WTI	218FS-20	MRTTWE00026	1 year	2022/11/18
Attenuator	WTI	218FS-10	MRTTWE00027	1 year	2023/6/15
Temperature & Humidity Chamber	TEN BILLION	TTH-B3UP	MRTTWA00036	1 year	2023/6/14
DIVA PLUS Funk-Wetterstation	TFA	35.1083	MRTTWA00050	1 year	2023/6/16

Software	**Version**	**Function**
e3	9.160520a	EMI Test Software

5. Measurement Uncertainty

Where relevant, the following test uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k = 2.

AC Conducted Emission Measurement
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 150kHz~30MHz: ± 2.53dB
Radiated Emission Measurement
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 9kHz ~ 1GHz: ± 4.25dB 1GHz ~ 40GHz: ± 4.45dB
Conducted Power (Carrier Power / Power Density)
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): ± 0.84dB
Conducted Spurious Emission
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)):± 2.65 dB
Occupied Bandwidth
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): ± 3.3%
Temp. / Humidity
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): ±0.82°C/ ±3%
Frequency Error
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): ±78.4Hz

6 Test Result

6.1 Summary

FCC Section(s)	Test Description	Test Condition	Verdict
15.407(a)	26dB Bandwidth	Conducted	Pass
15.407(a)(5), (a)(6)	Maximum Equivalent Isotopically Radiated Power (EIRP)		Pass
15.407(a)(5), (a)(6)	Peak Power Spectral Density (EIRP)		Pass
15.407(b)(6)	In-Band Emission		Pass
15.407(d)(6)	Contention-Based Protocol		Pass
15.407(b)(5)	Unwanted Emissions		Pass
15.407(b)(8), (9), (10)	General Field Strength (Restricted Bands and Radiated Emission)	Radiated	Pass
15.207	AC Conducted Emissions 150kHz - 30MHz	Line Conducted	Pass

Remark:

1. Determining compliance is based on the test results met the regulation limits or requirements declared by clients, and the test results don't take into account the value of measurement uncertainty.
2. The analyzer plots shown in this section were all taken with a correction table loaded into the analyzer. The correction table was used to account for the losses of the cables and attenuators used as part ofthe system to connect the EUT to the analyzer at all frequencies of interest.
3. For radiated emission test, the test results shown in the following sections represent the worst-case emissions.

6.2 26dB Bandwidth

6.2.1 Test Limit

N/A

6.2.2 Test Procedure used

KDB 789033 D02v02r01- Section II)C.1 (26dB Bandwidth)

KDB 789033 D02v02r01- Section II)D (99% Bandwidth)

6.2.3 Test Setting

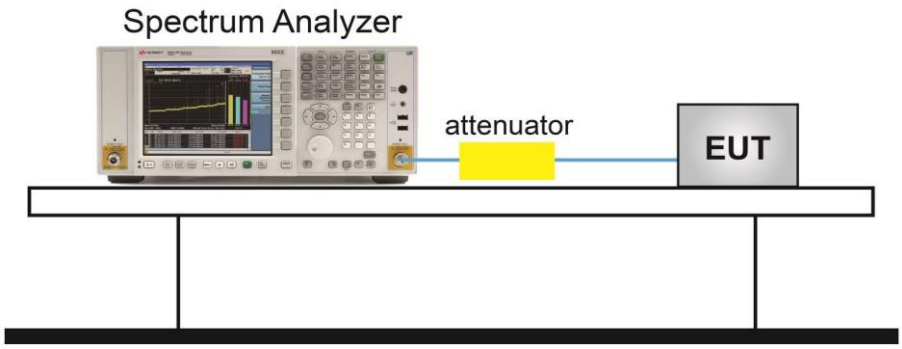
26dB Bandwidth

1. The analyzers' automatic bandwidth measurement capability was used to perform the 26dB bandwidth measurement. The "X" dB bandwidth parameter was set to X = 26. The automatic bandwidth measurement function also has the capability of simultaneously measuring the 99% occupied bandwidth. The bandwidth measurement was not influenced by any intermediated power nulls in the fundamental emission.
2. RBW = approximately 1% of the emission bandwidth.
3. VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold.

99% Bandwidth

1. Set center frequency to the nominal EUT channel center frequency.
2. Set span = 1.5 times to 5.0 times the OBW.
3. Set RBW = 1% to 5% of the OBW
4. Set VBW ≥ 3×RBW
5. Detector = Peak.
6. Use the 99% power bandwidth function of the instrument.

6.2.4 Test Setup

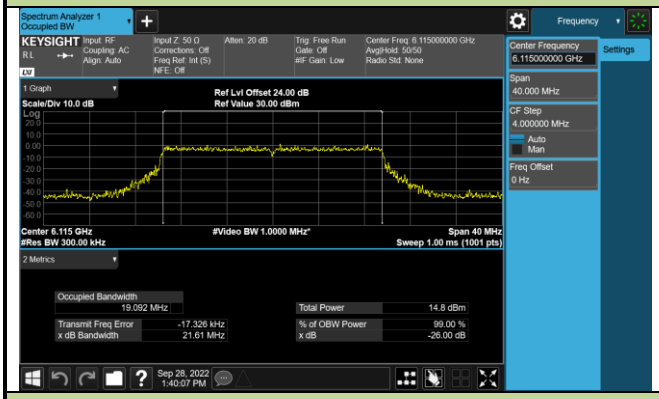
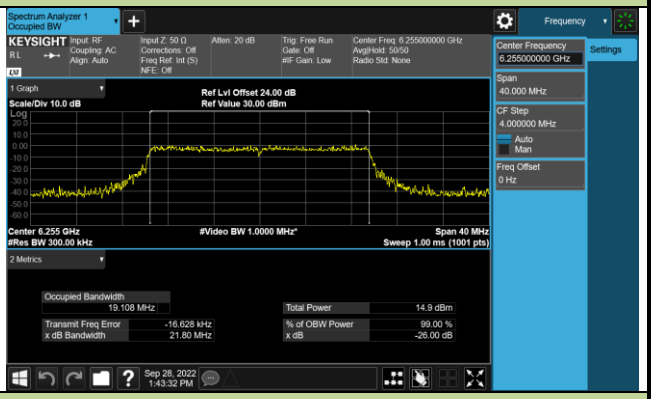
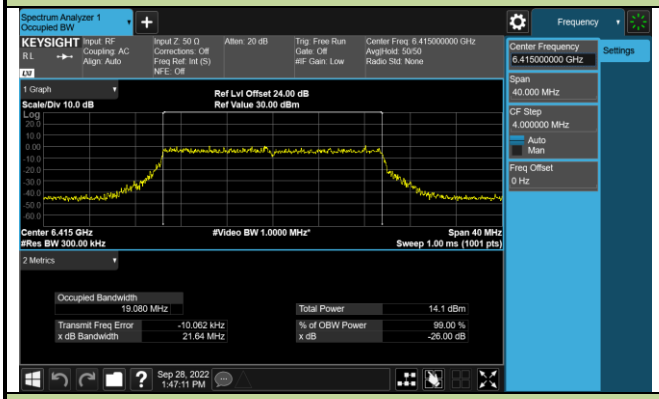
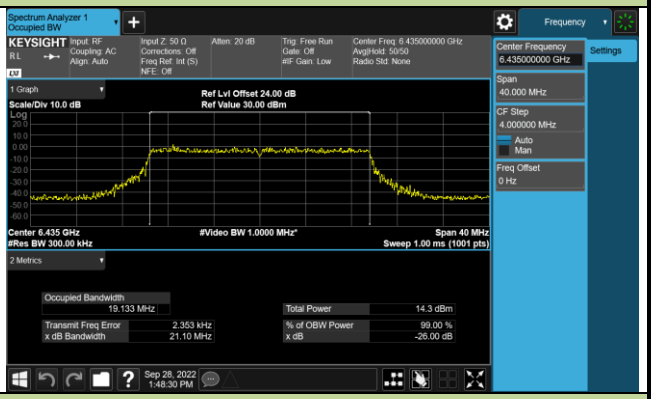
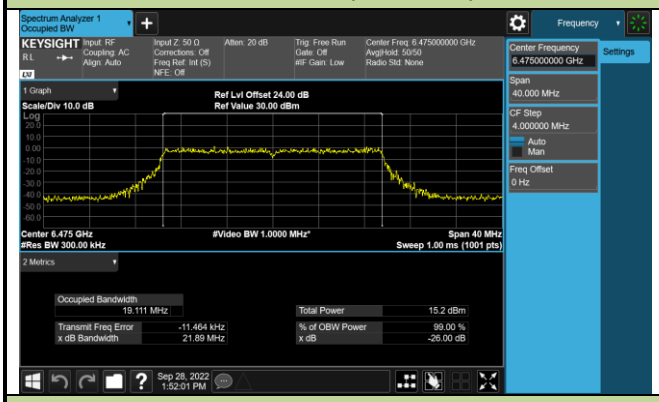
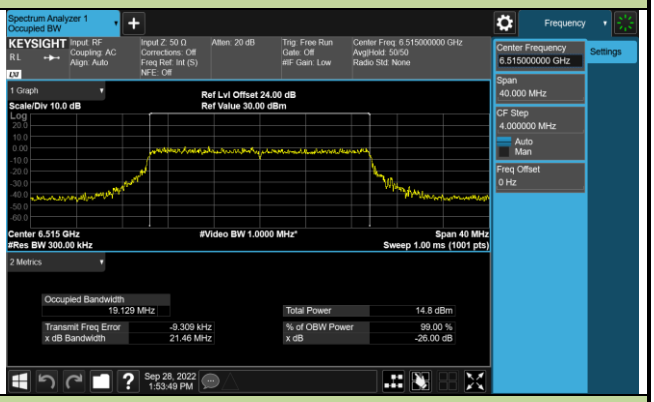
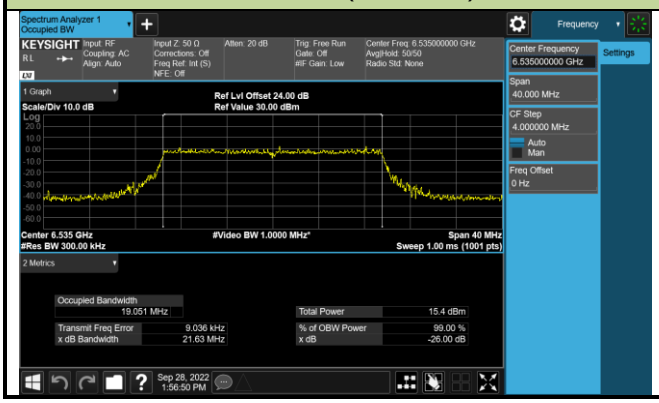
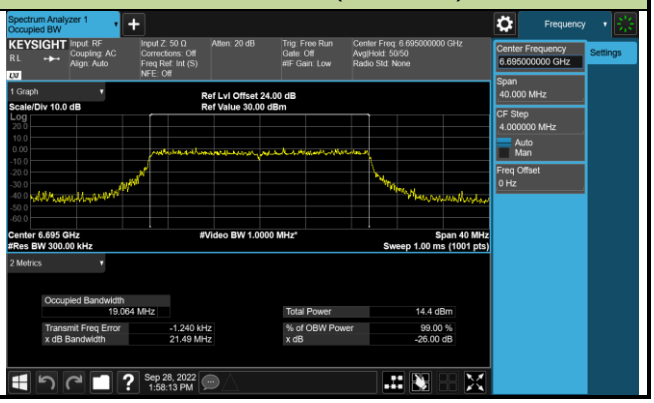


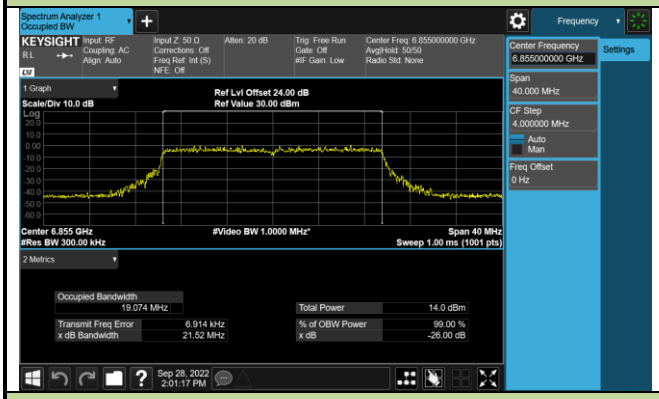
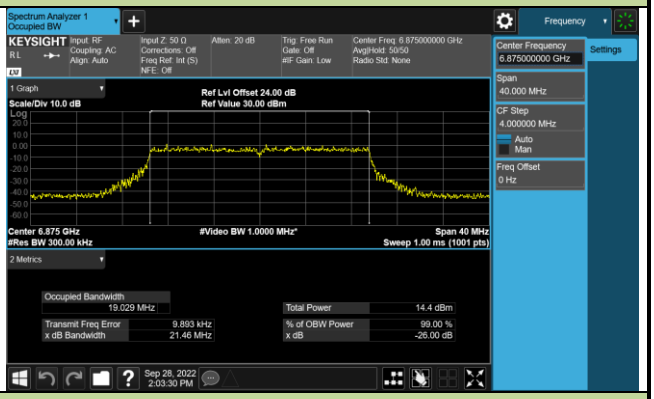
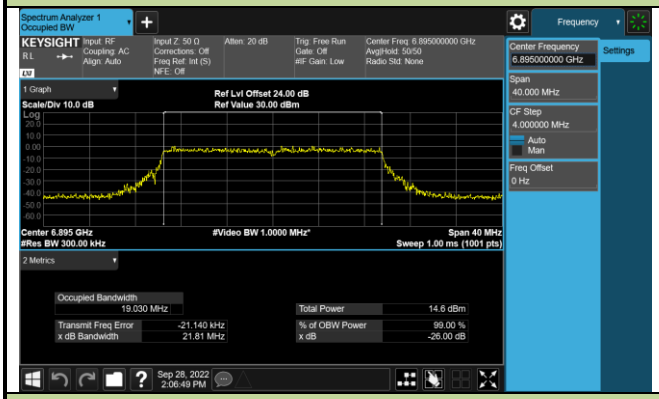
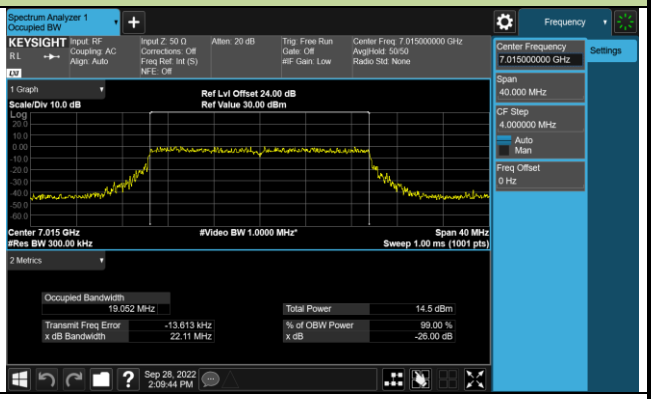
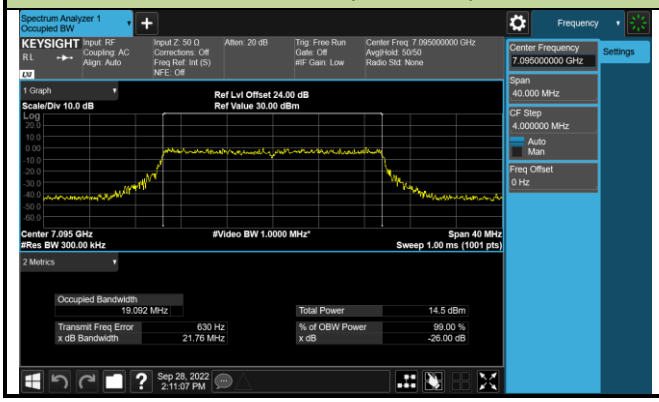
6.2.5 Test Result

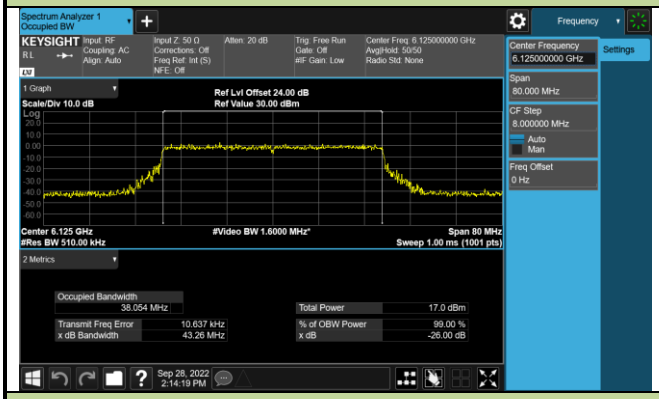
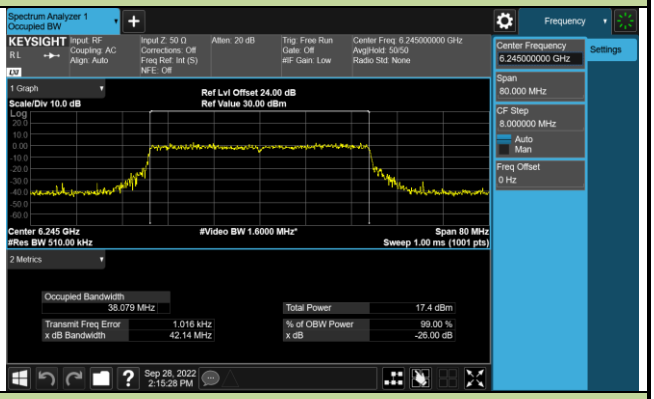
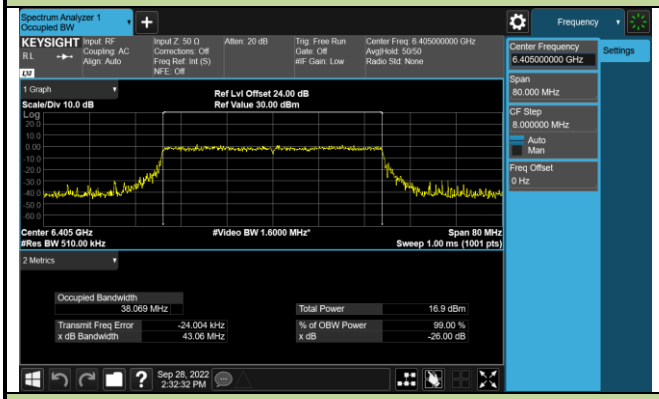
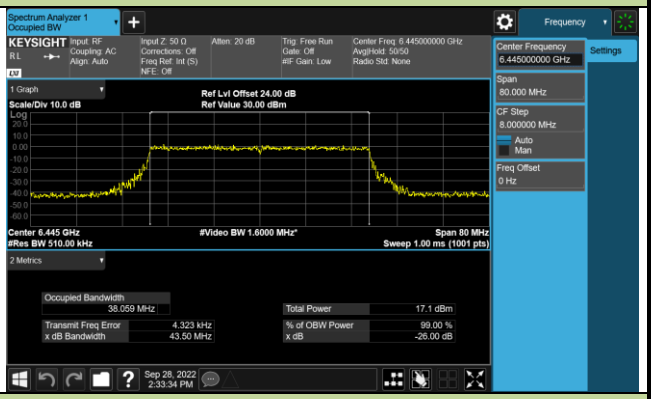
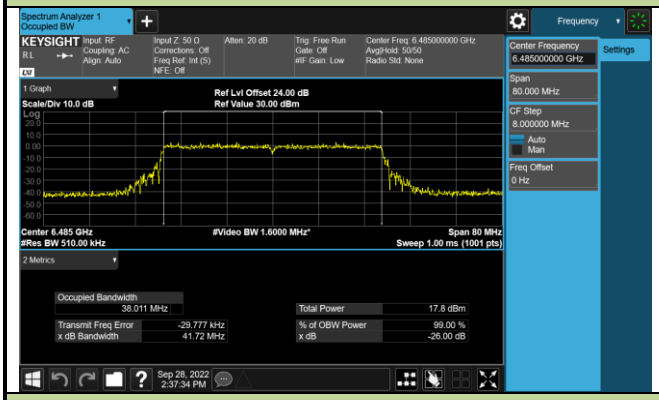
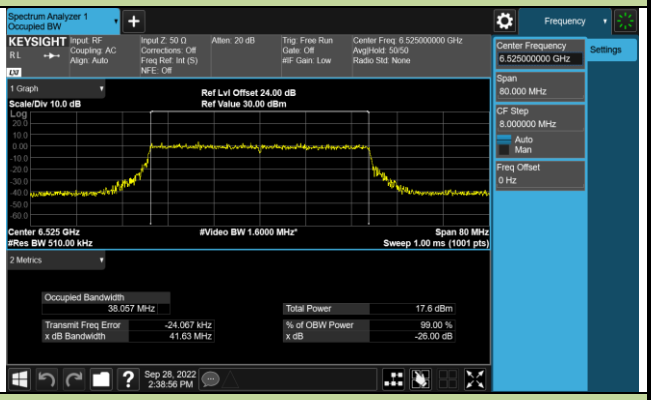
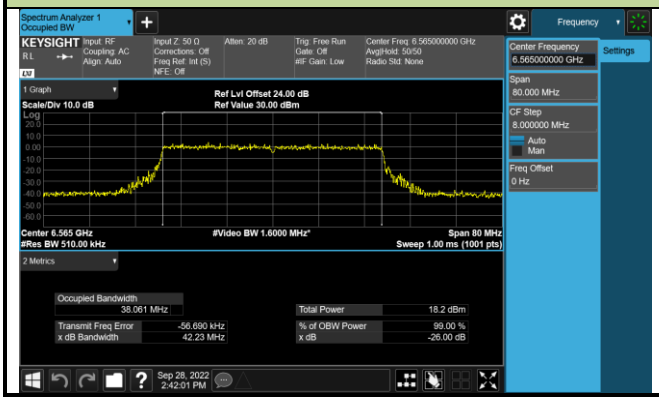
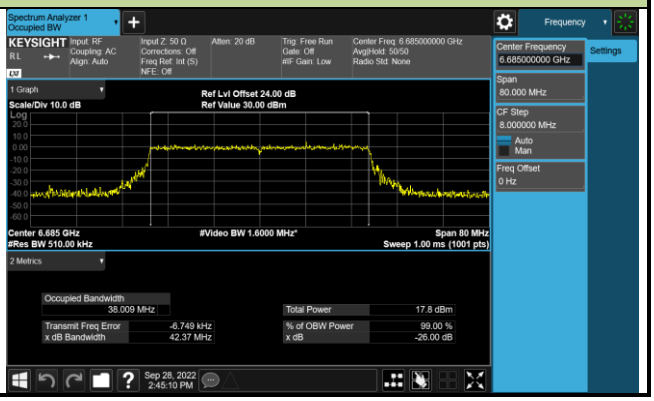
Test Site	SR5	Test Engineer	Owen
Test Date	2022/9/28		

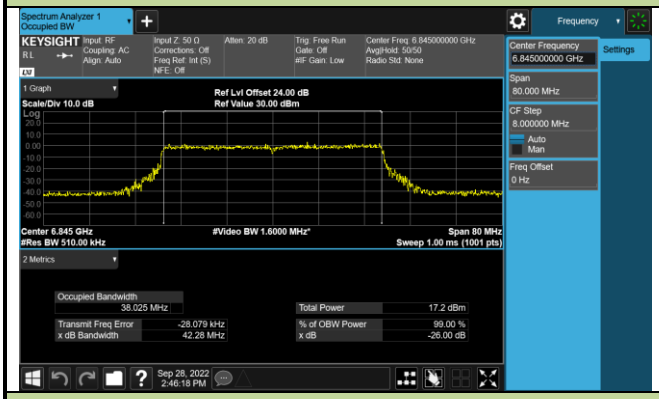
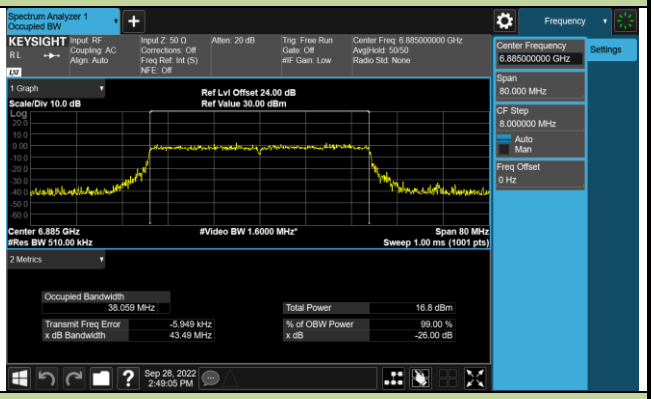
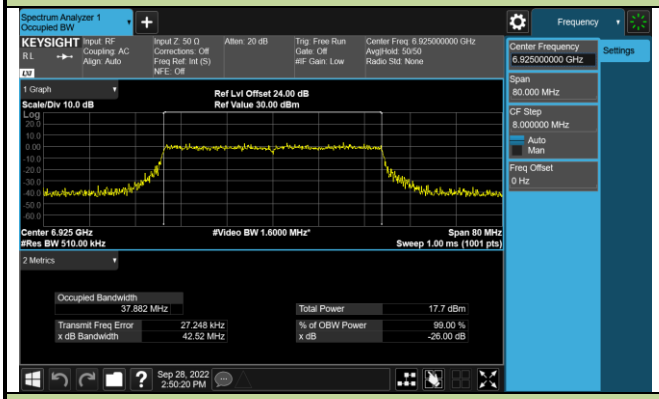
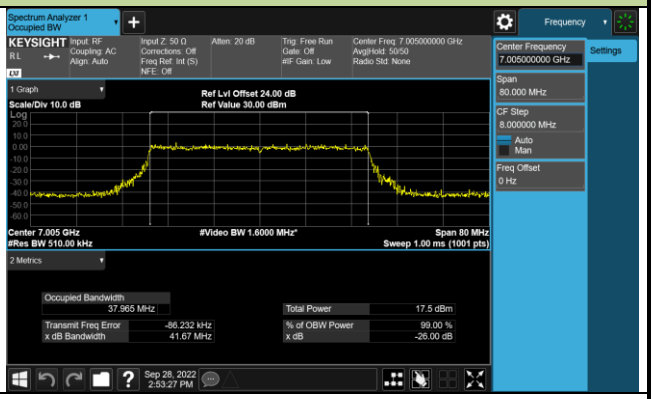
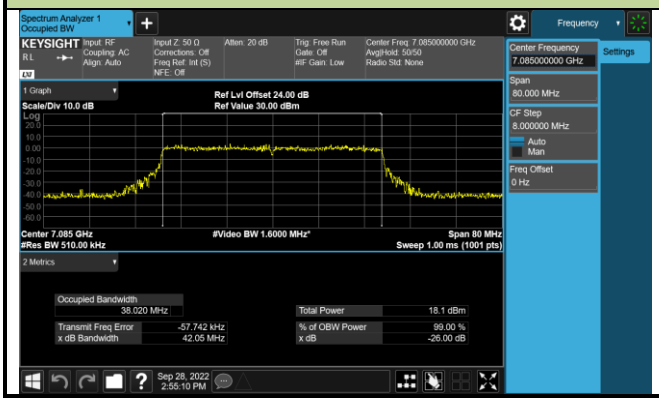
Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
N_{SS}=1_Ant 1					
802.11ax-HE20	MCS0	33	6115	21.610	19.092
802.11ax-HE20	MCS0	61	6255	21.800	19.108
802.11ax-HE20	MCS0	93	6415	21.640	19.080
802.11ax-HE20	MCS0	97	6435	21.100	19.133
802.11ax-HE20	MCS0	105	6475	21.890	19.111
802.11ax-HE20	MCS0	113	6515	21.460	19.129
802.11ax-HE20	MCS0	117	6535	21.630	19.051
802.11ax-HE20	MCS0	149	6695	21.490	19.064
802.11ax-HE20	MCS0	181	6855	21.520	19.074
802.11ax-HE20	MCS0	185	6875	21.460	19.029
802.11ax-HE20	MCS0	189	6895	21.810	19.030
802.11ax-HE20	MCS0	213	7015	22.110	19.052
802.11ax-HE20	MCS0	229	7095	21.760	19.092
802.11ax-HE40	MCS0	35	6125	43.260	38.054
802.11ax-HE40	MCS0	59	6245	42.140	38.079
802.11ax-HE40	MCS0	91	6405	43.060	38.069
802.11ax-HE40	MCS0	99	6445	43.500	38.059
802.11ax-HE40	MCS0	107	6485	41.720	38.011
802.11ax-HE40	MCS0	115	6525	41.630	38.057
802.11ax-HE40	MCS0	123	6565	42.230	38.061
802.11ax-HE40	MCS0	147	6685	42.370	38.009
802.11ax-HE40	MCS0	179	6845	42.280	38.025
802.11ax-HE40	MCS0	187	6885	43.490	38.059
802.11ax-HE40	MCS0	195	6925	42.520	37.882
802.11ax-HE40	MCS0	211	7005	41.670	37.965
802.11ax-HE40	MCS0	227	7085	42.050	38.020

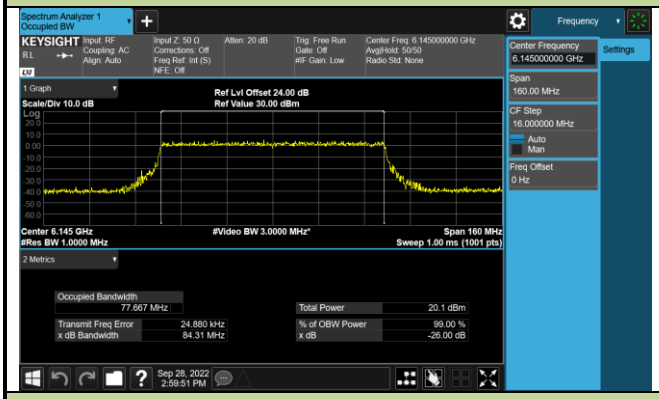
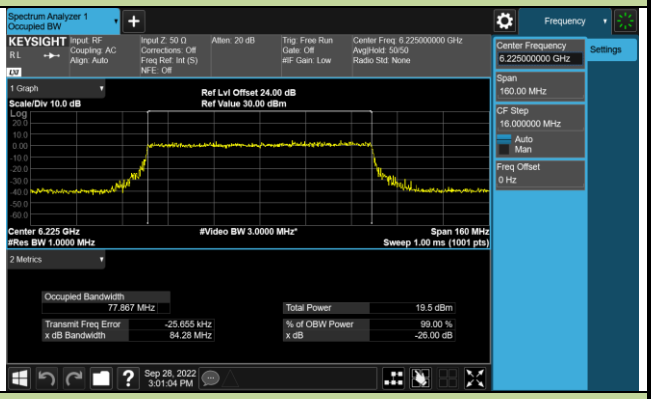
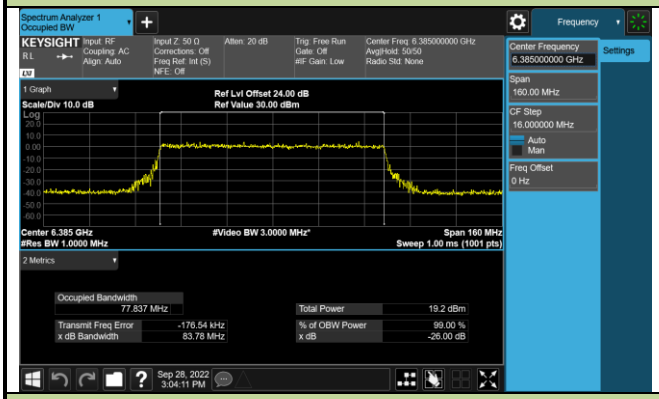
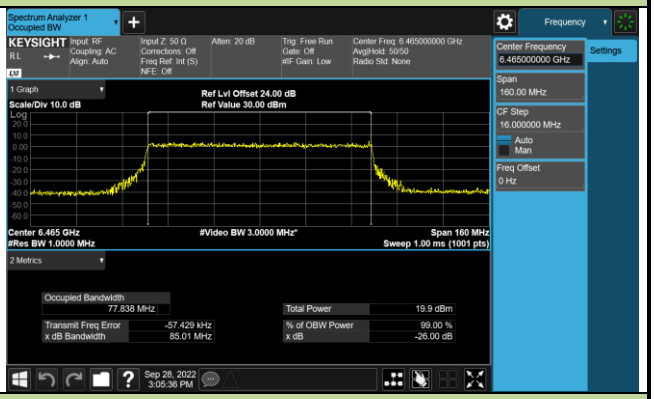
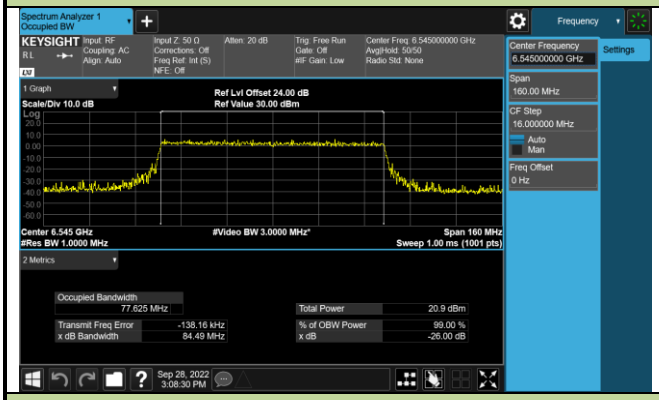
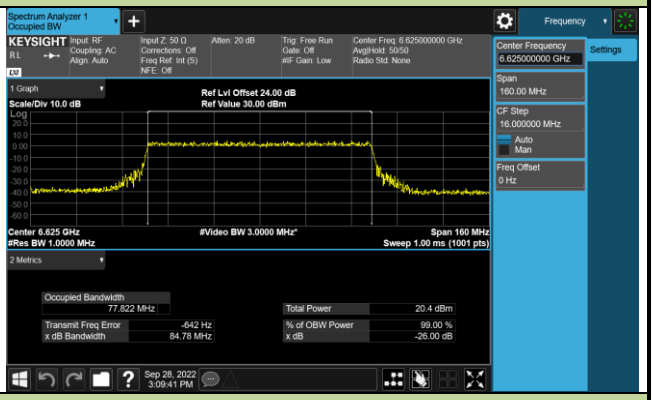
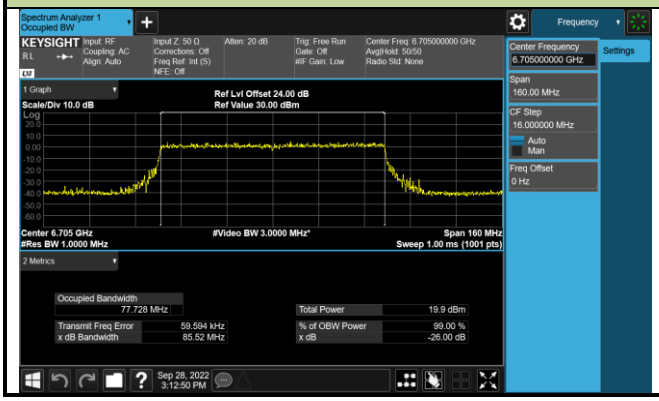
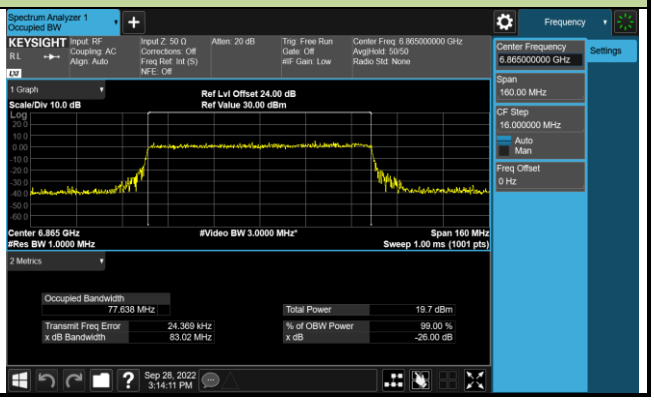
Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
802.11ax-HE80	MCS0	39	6145	84.310	77.667
802.11ax-HE80	MCS0	55	6225	84.280	77.867
802.11ax-HE80	MCS0	87	6385	83.780	77.837
802.11ax-HE80	MCS0	103	6465	85.010	77.838
802.11ax-HE80	MCS0	119	6545	84.490	77.625
802.11ax-HE80	MCS0	135	6625	84.780	77.822
802.11ax-HE80	MCS0	151	6705	85.520	77.728
802.11ax-HE80	MCS0	183	6865	83.020	77.638
802.11ax-HE80	MCS0	199	6945	85.170	77.638
802.11ax-HE80	MCS0	215	7025	84.590	77.690
802.11ax-HE160	MCS0	47	6185	165.500	157.050
802.11ax-HE160	MCS0	79	6345	165.500	156.830
802.11ax-HE160	MCS0	111	6505	165.700	157.090
802.11ax-HE160	MCS0	143	6665	164.500	157.460
802.11ax-HE160	MCS0	175	6825	165.600	156.960
802.11ax-HE160	MCS0	207	6985	167.100	156.640

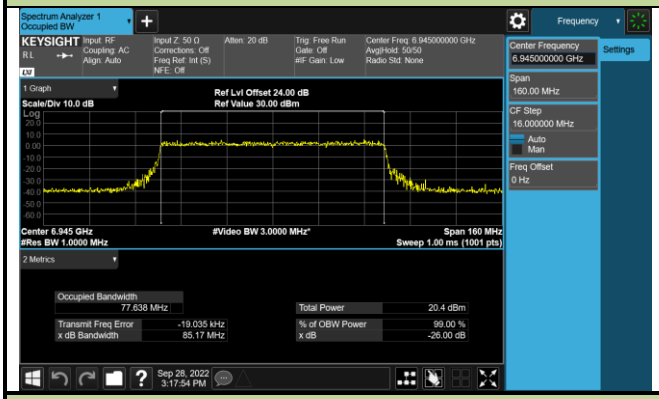
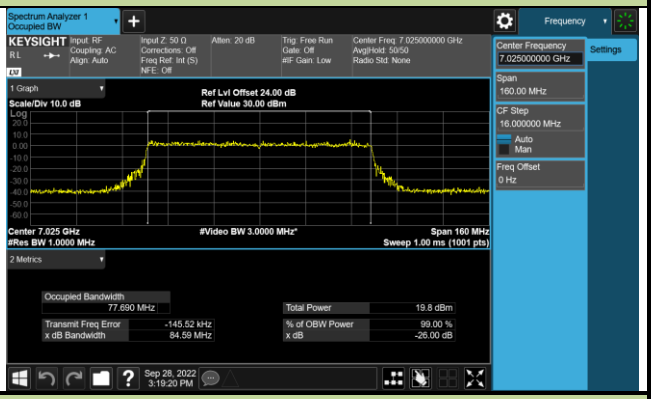
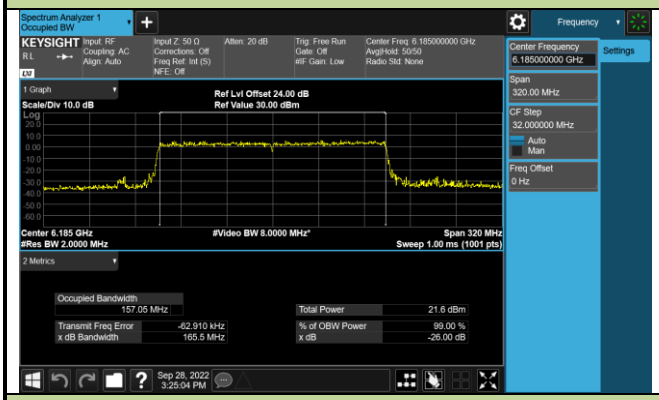
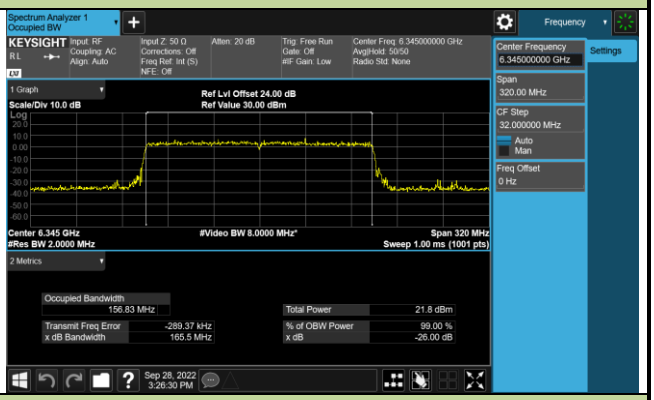
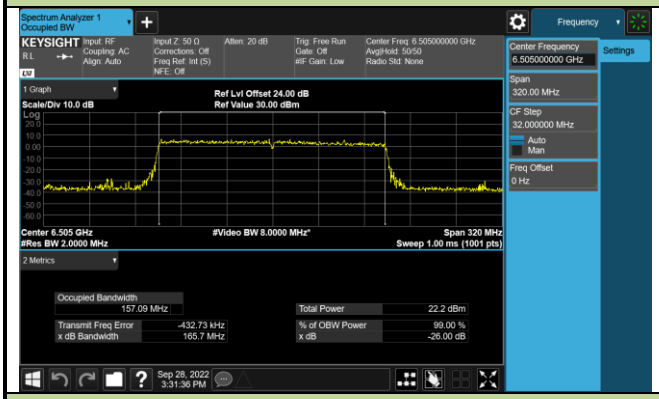
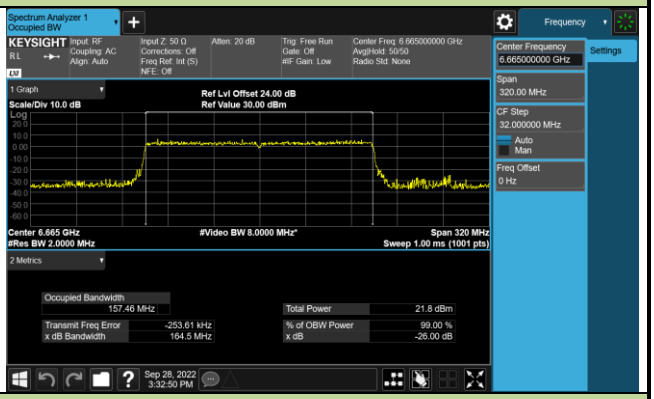
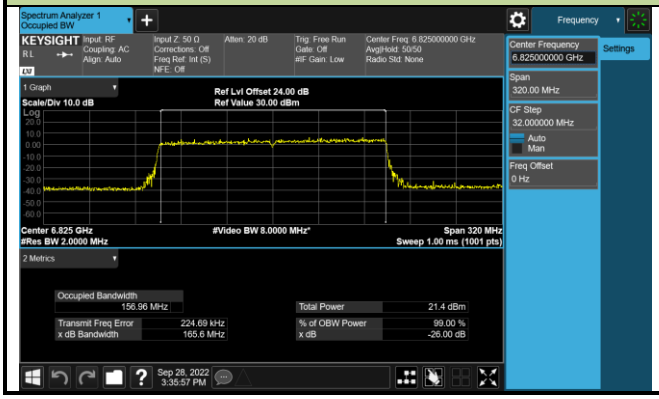
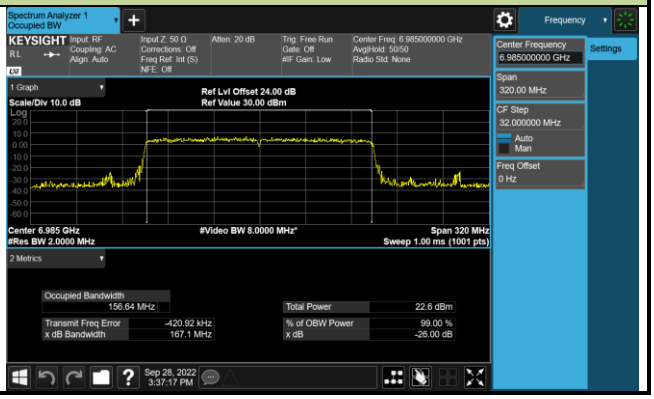
802.11ax-HE20 26dB Bandwidth & 99% Bandwidth	
Channel 33 (6115MHz)	Channel 61 (6255MHz)
	
Channel 93 (6415MHz)	Channel 97 (6435MHz)
	
Channel 105 (6475MHz)	Channel 113 (6515MHz)
	
Channel 117 (6535MHz)	Channel 149 (6695MHz)
	

802.11ax-HE20 26dB Bandwidth & 99% Bandwidth	
Channel 181 (6855MHz)	Channel 185 (6875MHz)
	
Channel 189 (6895MHz)	Channel 213 (7015MHz)
	
Channel 229 (7095MHz)	
	

802.11ax-HE40 26dB Bandwidth & 99% Bandwidth	
Channel 35 (6125MHz)	Channel 59 (6245MHz)
	
Channel 91 (6405MHz)	Channel 99 (6445MHz)
	
Channel 107 (6485MHz)	Channel 115 (6525MHz)
	
Channel 123 (6565MHz)	Channel 147 (6685MHz)
	

802.11ax-HE40 26dB Bandwidth & 99% Bandwidth	
Channel 179 (6845MHz)	Channel 187 (6885MHz)
	
Channel 195 (6925MHz)	Channel 211 (7005MHz)
	
Channel 227 (7085MHz)	
	

802.11ax-HE80 26dB Bandwidth & 99% Bandwidth	
Channel 39 (6145MHz)	Channel 55 (6225MHz)
	
Channel 87 (6385MHz)	Channel 103 (6465MHz)
	
Channel 119 (6545MHz)	Channel 135 (6625MHz)
	
Channel 151 (6705MHz)	Channel 183 (6865MHz)
	

802.11ax-HE80 26dB Bandwidth & 99% Bandwidth	
Channel 199 (6945MHz)	Channel 215 (7025MHz)
	
802.11ax-HE160 26dB Bandwidth & 99% Bandwidth	
Channel 47 (6185MHz)	Channel 79 (6345MHz)
	
Channel 111 (6505MHz)	Channel 143 (6665MHz)
	
Channel 175 (6825MHz)	Channel 207 (6985MHz)
	

6.3 Output Power

6.3.1 Test Limit

For an indoor access point operating in the 5.925-7.125 GHz band, the maximum e.i.r.p. over the frequency band of operation must not exceed 30 dBm.

For a subordinate device operating under the control of an indoor access point in the 5.925-7.125 GHz band, the maximum e.i.r.p. over the frequency band of operation must not exceed 30 dBm.

6.3.2 Test Procedure Used

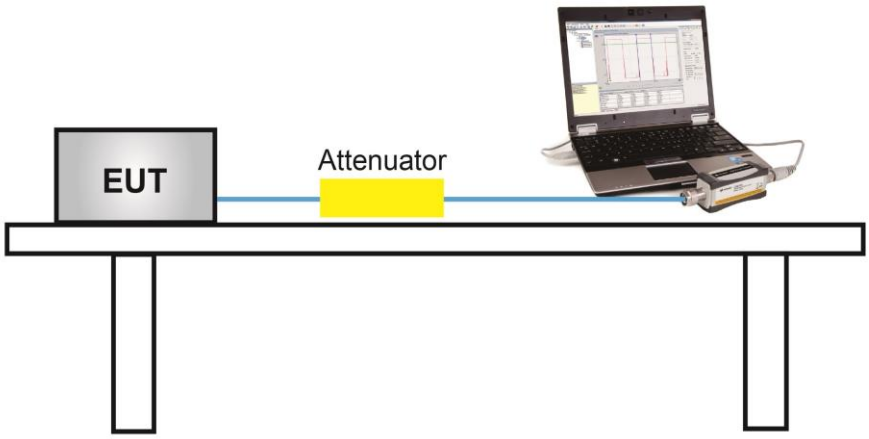
KDB 789033 D02v02r01- Section II)E)3)b) Method PM-G

6.3.3 Test Setting

Average Power Measurement

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter.

6.3.4 Test Setup



6.3.5 Test Result

Test Site	SR5	Test Engineer	Owen
Test Date	2022/9/21		

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Directional Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)
				Ant 0	Ant 1				
CDD Mode (N_{SS}=1)									
11ax-HE20	MCS0	33	6115	9.55	10.00	12.79	1.00	13.79	≤ 30.00
11ax-HE20	MCS0	61	6255	9.66	10.16	12.93	1.00	13.93	≤ 30.00
11ax-HE20	MCS0	93	6415	9.50	9.00	12.27	1.00	13.27	≤ 30.00
11ax-HE20	MCS0	97	6435	9.35	9.15	12.26	1.00	13.26	≤ 30.00
11ax-HE20	MCS0	105	6475	9.08	9.66	12.39	1.00	13.39	≤ 30.00
11ax-HE20	MCS0	113	6515	9.38	10.02	12.72	1.00	13.72	≤ 30.00
11ax-HE20	MCS0	117	6535	9.45	11.17	13.40	1.00	14.40	≤ 30.00
11ax-HE20	MCS0	149	6695	10.40	10.55	13.49	1.00	14.49	≤ 30.00
11ax-HE20	MCS0	181	6855	10.23	9.75	13.01	1.00	14.01	≤ 30.00
11ax-HE20	MCS0	185	6875	10.32	10.12	13.23	1.00	14.23	≤ 30.00
11ax-HE20	MCS0	189	6895	10.18	10.33	13.27	1.00	14.27	≤ 30.00
11ax-HE20	MCS0	213	7015	10.04	10.60	13.34	1.00	14.34	≤ 30.00
11ax-HE20	MCS0	229	7095	9.73	10.26	13.01	1.00	14.01	≤ 30.00
11ax-HE40	MCS0	35	6125	12.73	12.90	15.83	1.00	16.83	≤ 30.00
11ax-HE40	MCS0	59	6245	12.72	13.80	16.30	1.00	17.30	≤ 30.00
11ax-HE40	MCS0	91	6405	12.93	12.69	15.82	1.00	16.82	≤ 30.00
11ax-HE40	MCS0	99	6445	12.89	12.77	15.84	1.00	16.84	≤ 30.00
11ax-HE40	MCS0	107	6485	12.78	13.21	16.01	1.00	17.01	≤ 30.00
11ax-HE40	MCS0	115	6525	12.16	13.20	15.72	1.00	16.72	≤ 30.00
11ax-HE40	MCS0	123	6565	12.72	13.86	16.34	1.00	17.34	≤ 30.00
11ax-HE40	MCS0	147	6685	14.06	14.15	17.12	1.00	18.12	≤ 30.00
11ax-HE40	MCS0	179	6845	13.20	12.95	16.09	1.00	17.09	≤ 30.00
11ax-HE40	MCS0	187	6885	12.44	12.42	15.44	1.00	16.44	≤ 30.00
11ax-HE40	MCS0	195	6925	12.91	13.27	16.10	1.00	17.10	≤ 30.00
11ax-HE40	MCS0	211	7005	12.79	13.38	16.11	1.00	17.11	≤ 30.00
11ax-HE40	MCS0	227	7085	13.26	14.16	16.74	1.00	17.74	≤ 30.00

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Directional Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)
				Ant 0	Ant 1				
11ax-HE80	MCS0	39	6145	16.08	16.41	19.26	1.00	20.26	≤ 30.00
11ax-HE80	MCS0	55	6225	15.40	16.08	18.76	1.00	19.76	≤ 30.00
11ax-HE80	MCS0	87	6385	15.48	15.37	18.44	1.00	19.44	≤ 30.00
11ax-HE80	MCS0	103	6465	15.71	15.75	18.74	1.00	19.74	≤ 30.00
11ax-HE80	MCS0	119	6545	15.50	16.90	19.27	1.00	20.27	≤ 30.00
11ax-HE80	MCS0	135	6625	16.56	16.85	19.72	1.00	20.72	≤ 30.00
11ax-HE80	MCS0	151	6705	16.05	16.34	19.21	1.00	20.21	≤ 30.00
11ax-HE80	MCS0	183	6865	15.72	15.62	18.68	1.00	19.68	≤ 30.00
11ax-HE80	MCS0	199	6945	15.62	16.48	19.08	1.00	20.08	≤ 30.00
11ax-HE80	MCS0	215	7025	16.06	16.38	19.23	1.00	20.23	≤ 30.00
11ax-HE160	MCS0	47	6185	18.17	18.53	21.36	1.00	22.36	≤ 30.00
11ax-HE160	MCS0	79	6345	18.30	18.69	21.51	1.00	22.51	≤ 30.00
11ax-HE160	MCS0	111	6505	18.01	18.65	21.35	1.00	22.35	≤ 30.00
11ax-HE160	MCS0	143	6665	18.54	18.65	21.61	1.00	22.61	≤ 30.00
11ax-HE160	MCS0	175	6825	18.40	17.97	21.20	1.00	22.20	≤ 30.00
11ax-HE160	MCS0	207	6985	18.80	19.31	22.07	1.00	23.07	≤ 30.00

Note 1: Total Average Power (dBm) = $10*\log\{10^{(\text{Ant 0 Average Power }/10)} + 10^{(\text{Ant 1 Average Power }/10)}\}$.

Note 2: EIRP Power (dBm) = Total Average Power (dBm) + Directional Gain (dBi).

Test Site	SR5	Test Engineer	Owen
Test Date	2022/9/21		

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Directional Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)
				Ant 0	Ant 1				
CDD Mode (N_{SS}=2)									
11ax-HE20	MCS0	33	6115	13.09	12.81	15.96	1.00	16.96	≤ 30.00
11ax-HE20	MCS0	61	6255	12.95	13.71	16.36	1.00	17.36	≤ 30.00
11ax-HE20	MCS0	93	6415	12.84	12.24	15.56	1.00	16.56	≤ 30.00
11ax-HE20	MCS0	97	6435	12.85	12.44	15.66	1.00	16.66	≤ 30.00
11ax-HE20	MCS0	105	6475	12.85	12.91	15.89	1.00	16.89	≤ 30.00
11ax-HE20	MCS0	113	6515	12.53	13.42	16.01	1.00	17.01	≤ 30.00
11ax-HE20	MCS0	117	6535	12.61	13.74	16.22	1.00	17.22	≤ 30.00
11ax-HE20	MCS0	149	6695	13.83	13.88	16.87	1.00	17.87	≤ 30.00
11ax-HE20	MCS0	181	6855	13.41	13.53	16.48	1.00	17.48	≤ 30.00
11ax-HE20	MCS0	185	6875	13.07	13.05	16.07	1.00	17.07	≤ 30.00
11ax-HE20	MCS0	189	6895	13.08	13.18	16.14	1.00	17.14	≤ 30.00
11ax-HE20	MCS0	213	7015	12.75	13.90	16.37	1.00	17.37	≤ 30.00
11ax-HE20	MCS0	229	7095	13.27	14.05	16.69	1.00	17.69	≤ 30.00
11ax-HE40	MCS0	35	6125	16.27	16.26	19.28	1.00	20.28	≤ 30.00
11ax-HE40	MCS0	59	6245	15.88	16.68	19.31	1.00	20.31	≤ 30.00
11ax-HE40	MCS0	91	6405	16.28	16.21	19.26	1.00	20.26	≤ 30.00
11ax-HE40	MCS0	99	6445	16.00	15.54	18.79	1.00	19.79	≤ 30.00
11ax-HE40	MCS0	107	6485	15.85	16.06	18.97	1.00	19.97	≤ 30.00
11ax-HE40	MCS0	115	6525	16.59	15.37	19.03	1.00	20.03	≤ 30.00
11ax-HE40	MCS0	123	6565	15.51	16.77	19.20	1.00	20.20	≤ 30.00
11ax-HE40	MCS0	147	6685	17.12	17.39	20.27	1.00	21.27	≤ 30.00
11ax-HE40	MCS0	179	6845	16.07	15.92	19.01	1.00	20.01	≤ 30.00
11ax-HE40	MCS0	187	6885	16.03	16.48	19.27	1.00	20.27	≤ 30.00
11ax-HE40	MCS0	195	6925	15.81	16.90	19.40	1.00	20.40	≤ 30.00
11ax-HE40	MCS0	211	7005	16.23	16.99	19.64	1.00	20.64	≤ 30.00
11ax-HE40	MCS0	227	7085	16.23	16.82	19.55	1.00	20.55	≤ 30.00

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Directional Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)
				Ant 0	Ant 1				
CDD Mode (N_{SS} = 2)									
11ax-HE80	MCS0	39	6145	19.00	19.00	22.01	1.00	23.01	≤ 30.00
11ax-HE80	MCS0	55	6225	18.97	19.15	22.07	1.00	23.07	≤ 30.00
11ax-HE80	MCS0	87	6385	19.42	18.55	22.02	1.00	23.02	≤ 30.00
11ax-HE80	MCS0	103	6465	18.62	18.77	21.71	1.00	22.71	≤ 30.00
11ax-HE80	MCS0	119	6545	18.34	19.42	21.92	1.00	22.92	≤ 30.00
11ax-HE80	MCS0	135	6625	19.44	19.66	22.56	1.00	23.56	≤ 30.00
11ax-HE80	MCS0	151	6705	19.26	19.22	22.25	1.00	23.25	≤ 30.00
11ax-HE80	MCS0	183	6865	18.92	18.49	21.72	1.00	22.72	≤ 30.00
11ax-HE80	MCS0	199	6945	19.14	19.93	22.56	1.00	23.56	≤ 30.00
11ax-HE80	MCS0	215	7025	19.01	19.66	22.36	1.00	23.36	≤ 30.00
11ax-HE160	MCS0	47	6185	21.33	21.39	24.37	1.00	25.37	≤ 30.00
11ax-HE160	MCS0	79	6345	21.63	21.64	24.65	1.00	25.65	≤ 30.00
11ax-HE160	MCS0	111	6505	21.30	22.01	24.68	1.00	25.68	≤ 30.00
11ax-HE160	MCS0	143	6665	22.07	22.06	25.08	1.00	26.08	≤ 30.00
11ax-HE160	MCS0	175	6825	21.61	21.41	24.52	1.00	25.52	≤ 30.00
11ax-HE160	MCS0	207	6985	21.24	22.27	24.80	1.00	25.80	≤ 30.00

Note 1: Total Average Power (dBm) = $10*\log\{10^{(\text{Ant 0 Average Power }/10)} + 10^{(\text{Ant 1 Average Power }/10)}\}$.

Note 2: EIRP (dBm) = Total Average Power (dBm) + Directional Gain (dBi).

6.4 Power Spectral Density

6.4.1 Test Limit

For an indoor access point operating in the 5.925-7.125 GHz band, the maximum power spectral density must not exceed 5 dBm e.i.r.p. in any 1-megahertz band.

For a subordinate device operating under the control of an indoor access point in the 5.925-7.125 GHz band, the maximum power spectral density must not exceed 5 dBm e.i.r.p in any 1-megahertz band.

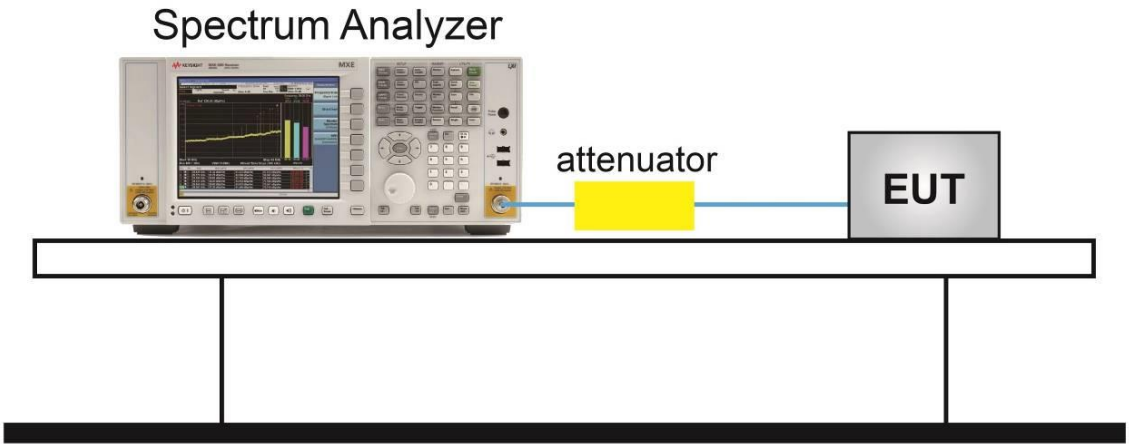
6.4.2 Test Procedure Used

KDB 789033 D02v02r01-Section II)F

6.4.3 Test Setting

1. Analyzer was set to the center frequency of the UNII channel under investigation
2. Span was set to encompass the entire 26dB EBW of the signal.
3. RBW = 1MHz
4. VBW = 3MHz
5. Number of sweep points ≥ 2 × (span / RBW)
6. Detector = power averaging (Average)
7. Sweep time = auto
8. Trigger = free run
9. Use the peak search function on the instrument to find the peak of the spectrum and record its value.
10. Add 10*log(1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times (because the measurement represents an average over both the on and off times of the transmission). For example, add 10*log(1/0.25) = 6 dB if the duty cycle is 25 percent.

6.4.4 Test Setup



6.4.5 Test Result

Test Site	SR5	Test Engineer	Owen
Test Date	2022/9/21		

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Duty Cycle (%)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)
				Ant 0	Ant 1					
CDD Mode (N_{SS} = 1)										
11ax-HE20	MCS0	33	6115	-2.673	-2.433	0.459	91.22	4.01	4.87	≤ 5.00
11ax-HE20	MCS0	61	6255	-2.720	-2.421	0.442	91.22	4.01	4.85	≤ 5.00
11ax-HE20	MCS0	93	6415	-2.350	-3.187	0.262	91.22	4.01	4.67	≤ 5.00
11ax-HE20	MCS0	97	6435	-2.088	-3.185	0.408	91.22	4.01	4.82	≤ 5.00
11ax-HE20	MCS0	105	6475	-3.152	-2.267	0.323	91.22	4.01	4.73	≤ 5.00
11ax-HE20	MCS0	113	6515	-2.848	-3.154	0.012	91.22	4.01	4.42	≤ 5.00
11ax-HE20	MCS0	117	6535	-2.960	-2.233	0.429	91.22	4.01	4.84	≤ 5.00
11ax-HE20	MCS0	149	6695	-2.654	-2.482	0.443	91.22	4.01	4.85	≤ 5.00
11ax-HE20	MCS0	181	6855	-2.435	-2.955	0.323	91.22	4.01	4.73	≤ 5.00
11ax-HE20	MCS0	185	6875	-2.313	-2.743	0.488	91.22	4.01	4.90	≤ 5.00
11ax-HE20	MCS0	189	6895	-2.295	-2.770	0.484	91.22	4.01	4.89	≤ 5.00
11ax-HE20	MCS0	213	7015	-2.576	-2.461	0.492	91.22	4.01	4.90	≤ 5.00
11ax-HE20	MCS0	229	7095	-3.294	-2.822	-0.041	91.22	4.01	4.37	≤ 5.00
11ax-HE40	MCS0	35	6125	-2.441	-2.811	0.388	91.00	4.01	4.81	≤ 5.00
11ax-HE40	MCS0	59	6245	-2.916	-2.483	0.316	91.00	4.01	4.74	≤ 5.00
11ax-HE40	MCS0	91	6405	-2.408	-3.020	0.307	91.00	4.01	4.73	≤ 5.00
11ax-HE40	MCS0	99	6445	-2.159	-3.045	0.431	91.00	4.01	4.85	≤ 5.00
11ax-HE40	MCS0	107	6485	-2.680	-2.577	0.382	91.00	4.01	4.80	≤ 5.00
11ax-HE40	MCS0	115	6525	-2.911	-2.527	0.296	91.00	4.01	4.72	≤ 5.00
11ax-HE40	MCS0	123	6565	-2.689	-2.438	0.449	91.00	4.01	4.87	≤ 5.00
11ax-HE40	MCS0	147	6685	-2.275	-2.926	0.422	91.00	4.01	4.84	≤ 5.00
11ax-HE40	MCS0	179	6845	-2.272	-2.840	0.464	91.00	4.01	4.88	≤ 5.00
11ax-HE40	MCS0	187	6885	-2.787	-2.198	0.528	91.00	4.01	4.95	≤ 5.00
11ax-HE40	MCS0	195	6925	-2.868	-2.584	0.287	91.00	4.01	4.71	≤ 5.00
11ax-HE40	MCS0	211	7005	-3.159	-2.575	0.153	91.00	4.01	4.57	≤ 5.00
11ax-HE40	MCS0	227	7085	-2.960	-2.218	0.437	91.00	4.01	4.86	≤ 5.00

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Duty Cycle (%)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)
				Ant 0	Ant 1					
CDD Mode (N_{SS} = 1)										
11ax-HE80	MCS0	39	6145	-2.573	-2.677	0.386	90.95	4.01	4.81	≤ 5.00
11ax-HE80	MCS0	55	6225	-2.929	-2.774	0.159	90.95	4.01	4.58	≤ 5.00
11ax-HE80	MCS0	87	6385	-2.438	-3.373	0.130	90.95	4.01	4.55	≤ 5.00
11ax-HE80	MCS0	103	6465	-2.482	-3.243	0.164	90.95	4.01	4.59	≤ 5.00
11ax-HE80	MCS0	119	6545	-3.189	-2.039	0.434	90.95	4.01	4.86	≤ 5.00
11ax-HE80	MCS0	135	6625	-2.364	-2.743	0.461	90.95	4.01	4.88	≤ 5.00
11ax-HE80	MCS0	151	6705	-2.630	-2.667	0.362	90.95	4.01	4.78	≤ 5.00
11ax-HE80	MCS0	183	6865	-2.303	-2.927	0.406	90.95	4.01	4.83	≤ 5.00
11ax-HE80	MCS0	199	6945	-2.976	-2.508	0.275	90.95	4.01	4.70	≤ 5.00
11ax-HE80	MCS0	215	7025	-3.058	-2.280	0.359	90.95	4.01	4.78	≤ 5.00
11ax-HE160	MCS0	47	6185	-2.729	-2.727	0.282	89.82	4.01	4.76	≤ 5.00
11ax-HE160	MCS0	79	6345	-2.494	-2.854	0.340	89.82	4.01	4.82	≤ 5.00
11ax-HE160	MCS0	111	6505	-3.286	-2.437	0.170	89.82	4.01	4.65	≤ 5.00
11ax-HE160	MCS0	143	6665	-2.171	-3.077	0.410	89.82	4.01	4.89	≤ 5.00
11ax-HE160	MCS0	175	6825	-2.668	-3.140	0.113	89.82	4.01	4.59	≤ 5.00
11ax-HE160	MCS0	207	6985	-2.874	-2.424	0.367	89.82	4.01	4.84	≤ 5.00

Note 1: Total PSD (dBm/MHz) = $10*\log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)}\}$

Note 2: When EUT duty cycle < 98%, EIRP PSD (dBm/MHz) = Total PSD (dBm/MHz) + 10*log (1/Duty Cycle) + Directional Gain (dBi).

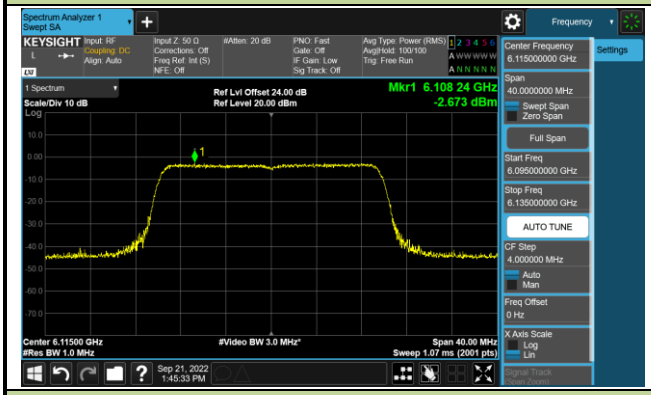
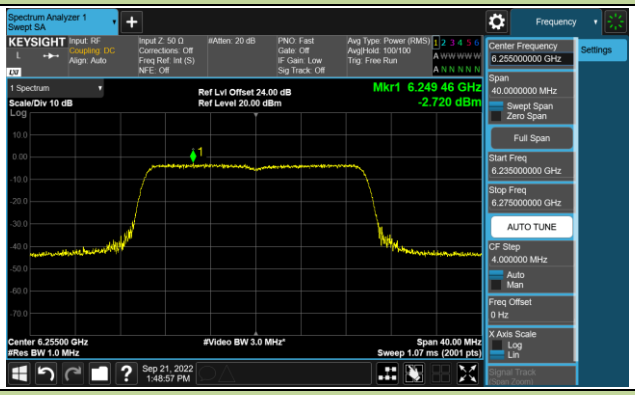
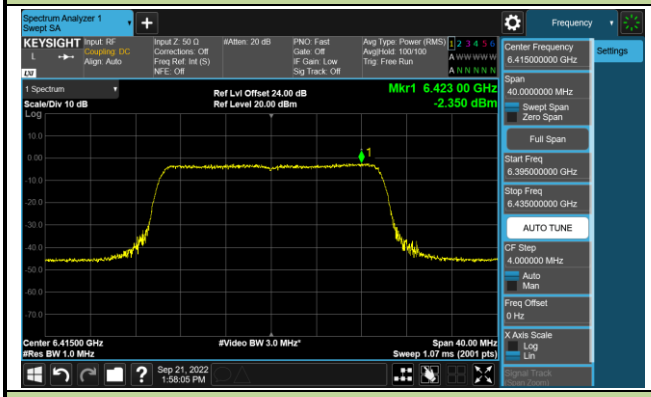
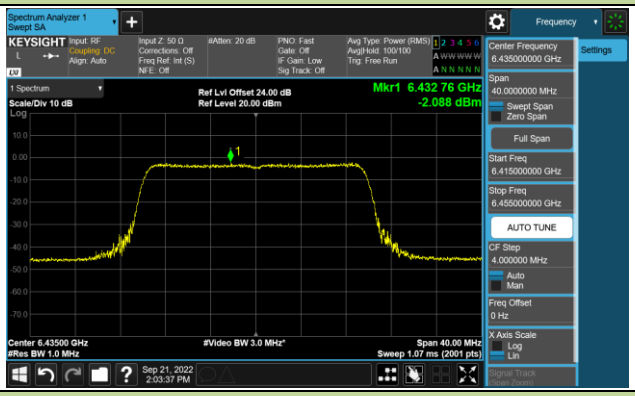
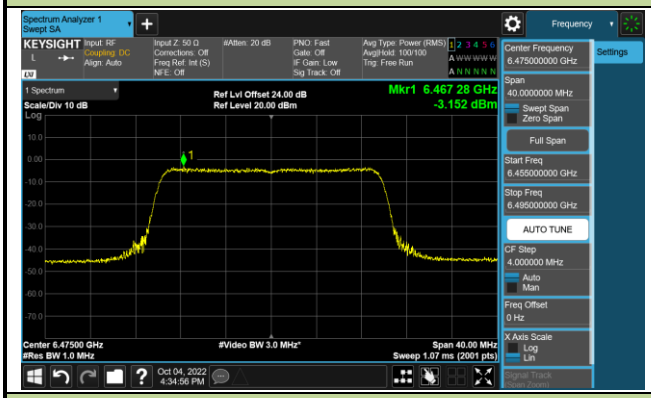
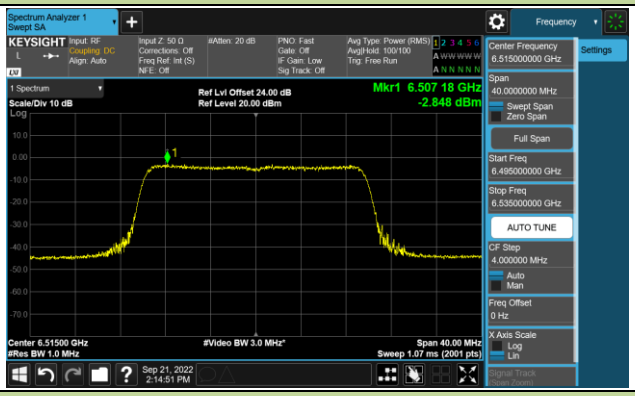
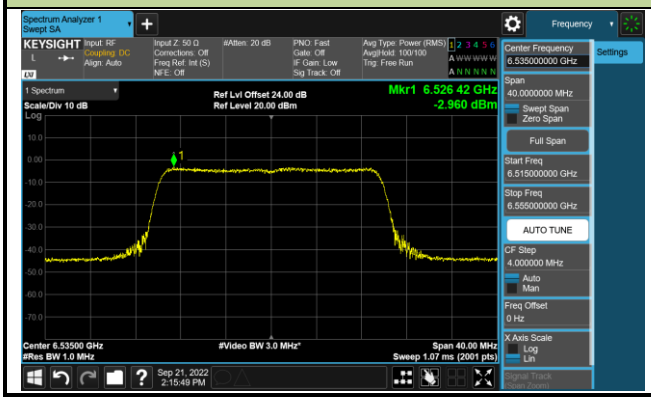
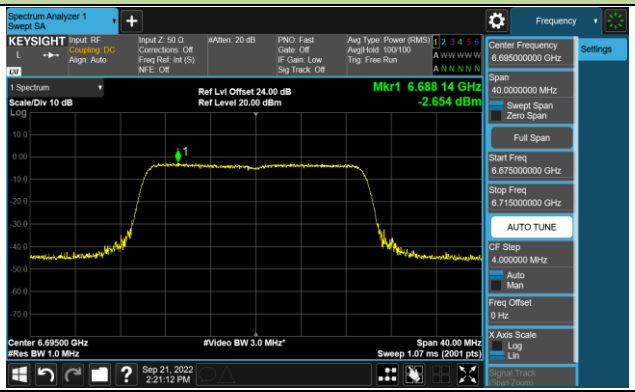
Test Site	SR5	Test Engineer	Owen
Test Date	2022/9/22		

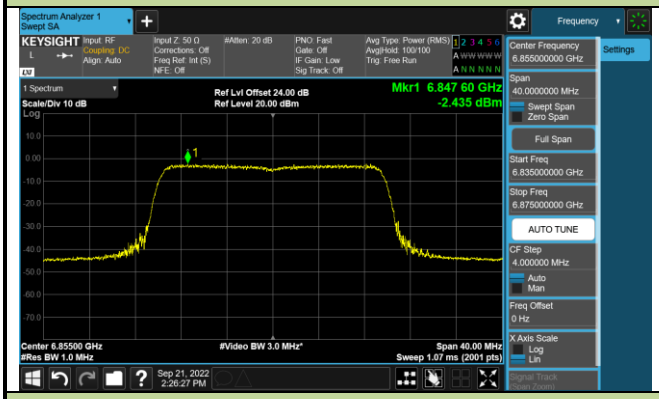
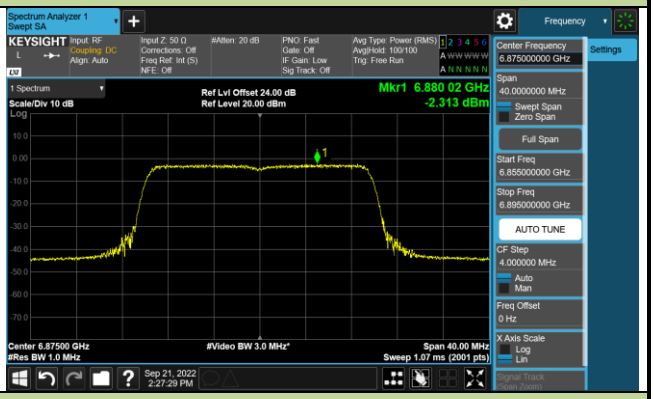
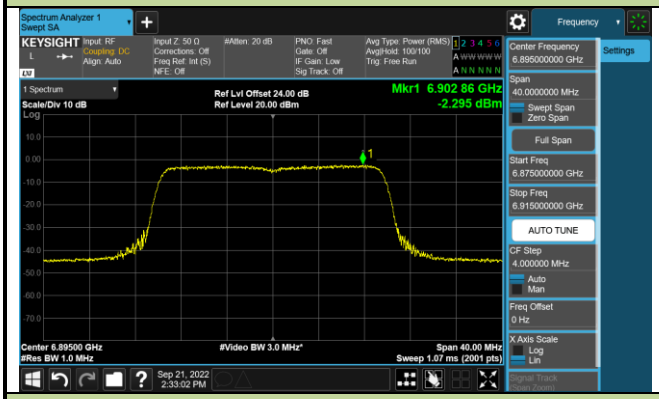
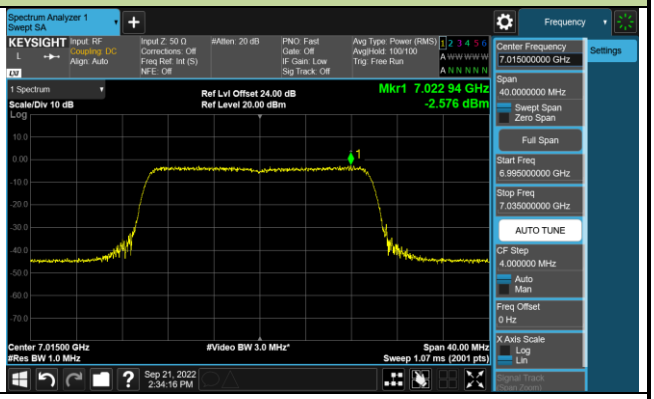
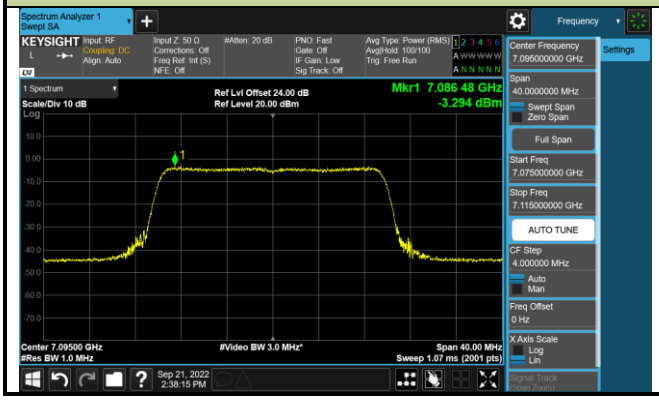
Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Duty Cycle (%)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)
				Ant 0	Ant 1					
CDD Mode (N_{SS} = 2)										
11ax-HE20	MCS0	33	6115	0.293	0.402	3.358	91.22	1.00	4.76	≤ 5.00
11ax-HE20	MCS0	61	6255	-0.446	1.236	3.486	91.22	1.00	4.89	≤ 5.00
11ax-HE20	MCS0	93	6415	0.494	-0.082	3.226	91.22	1.00	4.62	≤ 5.00
11ax-HE20	MCS0	97	6435	0.284	0.331	3.318	91.22	1.00	4.72	≤ 5.00
11ax-HE20	MCS0	105	6475	0.119	0.635	3.395	91.22	1.00	4.79	≤ 5.00
11ax-HE20	MCS0	113	6515	-0.203	1.088	3.501	91.22	1.00	4.90	≤ 5.00
11ax-HE20	MCS0	117	6535	-0.254	1.008	3.433	91.22	1.00	4.83	≤ 5.00
11ax-HE20	MCS0	149	6695	0.402	0.559	3.492	91.22	1.00	4.89	≤ 5.00
11ax-HE20	MCS0	181	6855	0.487	0.479	3.493	91.22	1.00	4.89	≤ 5.00
11ax-HE20	MCS0	185	6875	0.417	0.473	3.455	91.22	1.00	4.85	≤ 5.00
11ax-HE20	MCS0	189	6895	0.315	0.422	3.379	91.22	1.00	4.78	≤ 5.00
11ax-HE20	MCS0	213	7015	-0.038	0.867	3.448	91.22	1.00	4.85	≤ 5.00
11ax-HE20	MCS0	229	7095	-0.024	0.764	3.398	91.22	1.00	4.80	≤ 5.00
11ax-HE40	MCS0	35	6125	0.471	0.489	3.490	91.00	1.00	4.90	≤ 5.00
11ax-HE40	MCS0	59	6245	0.025	0.624	3.345	91.00	1.00	4.75	≤ 5.00
11ax-HE40	MCS0	91	6405	0.483	0.459	3.481	91.00	1.00	4.89	≤ 5.00
11ax-HE40	MCS0	99	6445	0.371	-0.139	3.134	91.00	1.00	4.54	≤ 5.00
11ax-HE40	MCS0	107	6485	0.315	0.438	3.387	91.00	1.00	4.80	≤ 5.00
11ax-HE40	MCS0	115	6525	-0.478	1.159	3.427	91.00	1.00	4.84	≤ 5.00
11ax-HE40	MCS0	123	6565	-0.631	0.822	3.166	91.00	1.00	4.58	≤ 5.00
11ax-HE40	MCS0	147	6685	0.470	0.375	3.433	91.00	1.00	4.84	≤ 5.00
11ax-HE40	MCS0	179	6845	0.094	0.088	3.101	91.00	1.00	4.51	≤ 5.00
11ax-HE40	MCS0	187	6885	0.184	0.651	3.434	91.00	1.00	4.84	≤ 5.00
11ax-HE40	MCS0	195	6925	-0.103	0.972	3.478	91.00	1.00	4.89	≤ 5.00
11ax-HE40	MCS0	211	7005	0.161	0.754	3.478	91.00	1.00	4.89	≤ 5.00
11ax-HE40	MCS0	227	7085	-0.189	0.582	3.224	91.00	1.00	4.63	≤ 5.00

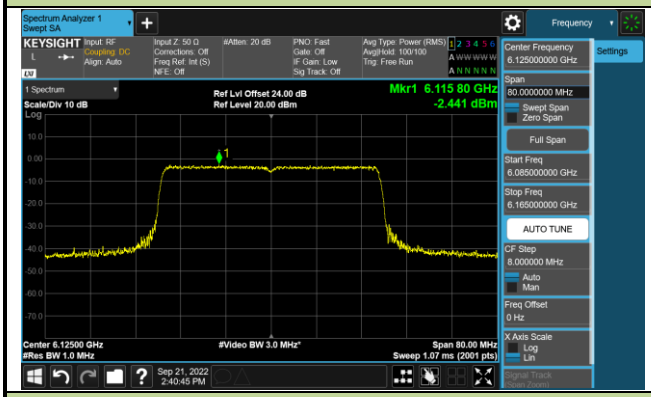
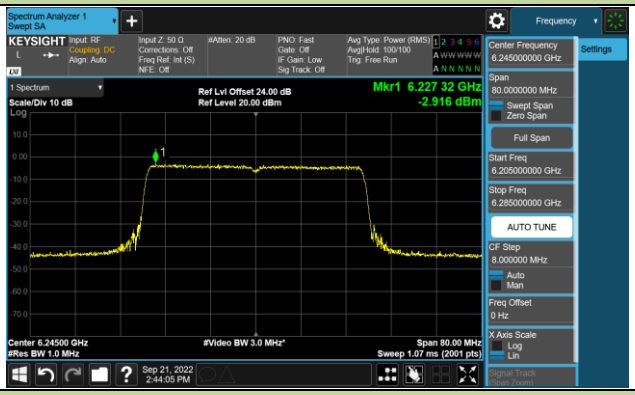
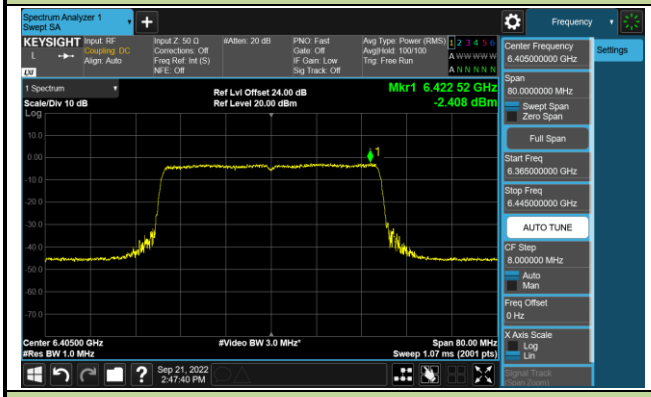
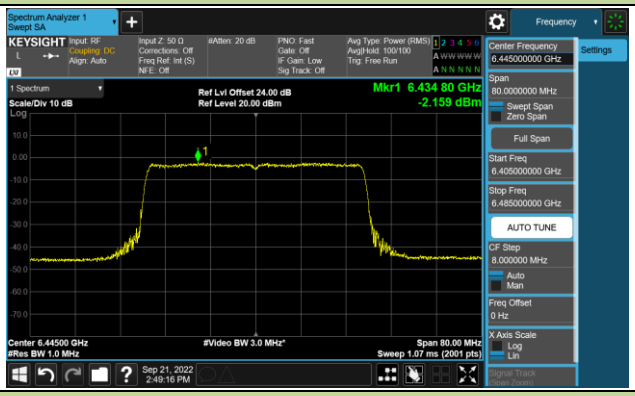
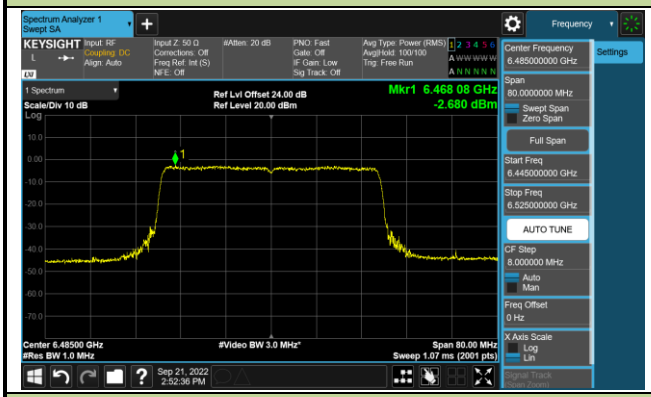
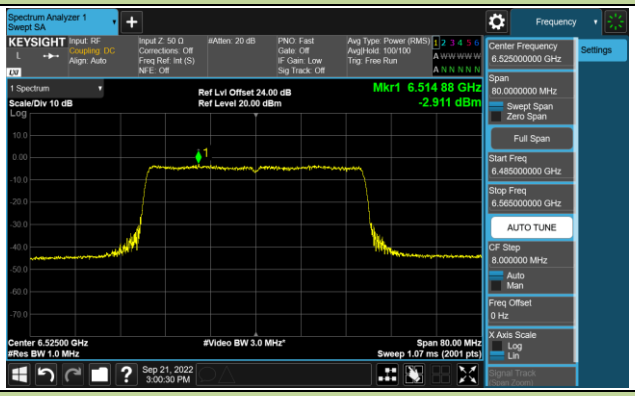
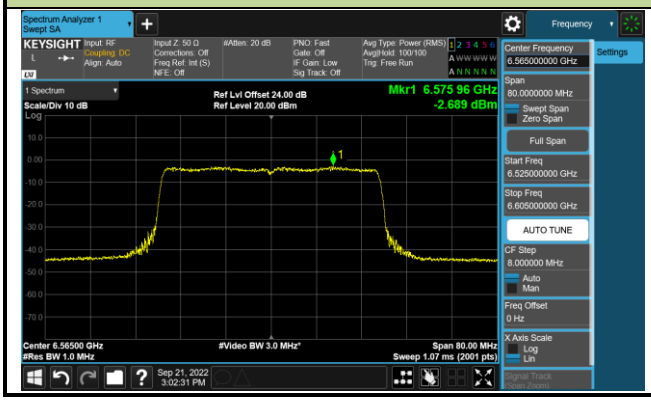
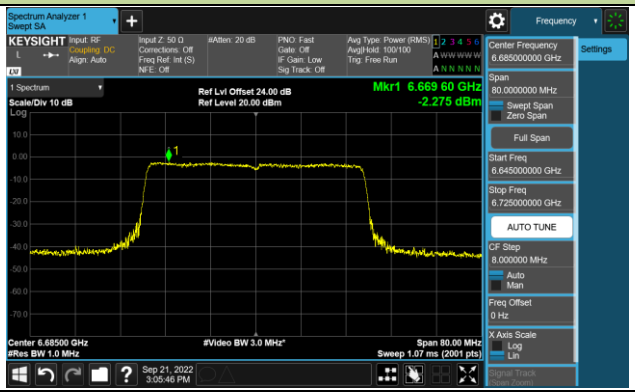
Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Duty Cycle (%)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)
				Ant 0	Ant 1					
CDD Mode (N_{SS} = 2)										
11ax-HE80	MCS0	39	6145	0.175	0.183	3.189	90.95	1.00	4.60	≤ 5.00
11ax-HE80	MCS0	55	6225	0.396	0.543	3.480	90.95	1.00	4.89	≤ 5.00
11ax-HE80	MCS0	87	6385	0.920	-0.144	3.431	90.95	1.00	4.84	≤ 5.00
11ax-HE80	MCS0	103	6465	0.233	0.398	3.327	90.95	1.00	4.74	≤ 5.00
11ax-HE80	MCS0	119	6545	-0.470	0.768	3.203	90.95	1.00	4.62	≤ 5.00
11ax-HE80	MCS0	135	6625	0.294	0.341	3.328	90.95	1.00	4.74	≤ 5.00
11ax-HE80	MCS0	151	6705	0.194	0.137	3.176	90.95	1.00	4.59	≤ 5.00
11ax-HE80	MCS0	183	6865	0.411	0.056	3.247	90.95	1.00	4.66	≤ 5.00
11ax-HE80	MCS0	199	6945	0.249	0.689	3.485	90.95	1.00	4.90	≤ 5.00
11ax-HE80	MCS0	215	7025	0.027	0.552	3.308	90.95	1.00	4.72	≤ 5.00
11ax-HE160	MCS0	47	6185	0.108	0.235	3.182	89.82	1.00	4.65	≤ 5.00
11ax-HE160	MCS0	79	6345	0.294	0.279	3.297	89.82	1.00	4.76	≤ 5.00
11ax-HE160	MCS0	111	6505	-0.185	0.965	3.438	89.82	1.00	4.90	≤ 5.00
11ax-HE160	MCS0	143	6665	0.308	0.061	3.197	89.82	1.00	4.66	≤ 5.00
11ax-HE160	MCS0	175	6825	0.256	0.527	3.404	89.82	1.00	4.87	≤ 5.00
11ax-HE160	MCS0	207	6985	-0.558	0.599	3.069	89.82	1.00	4.54	≤ 5.00

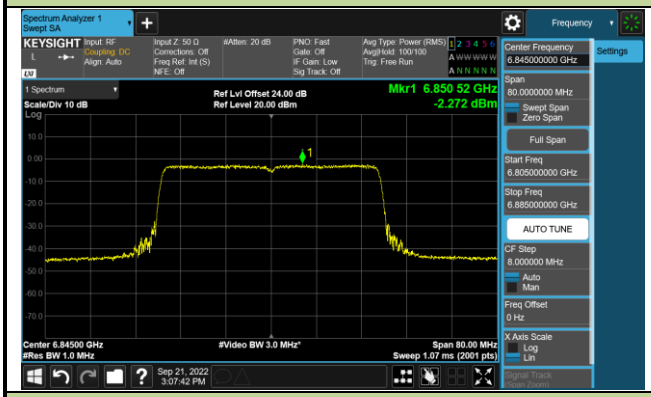
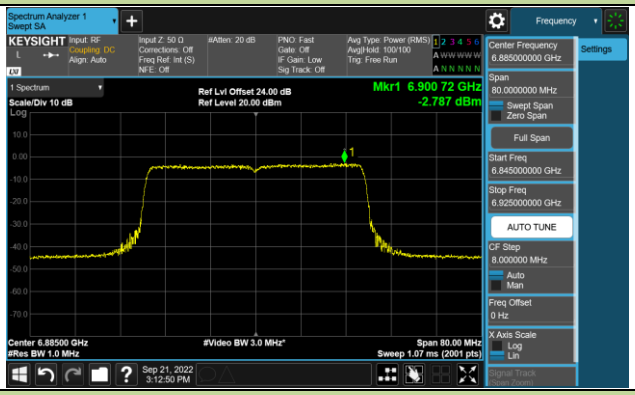
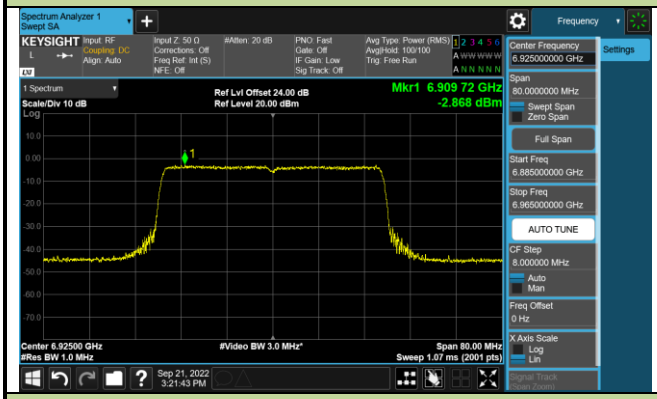
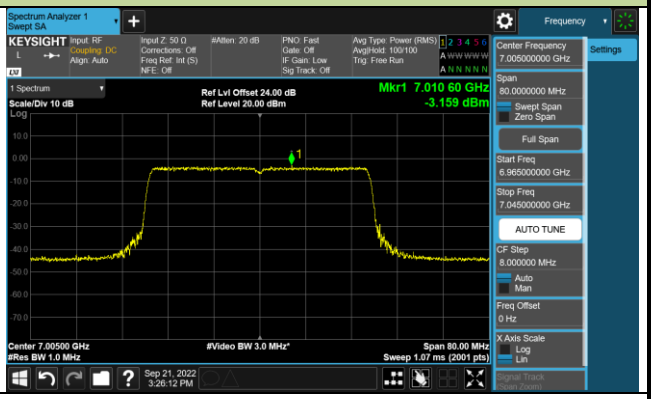
Note 1: Total PSD (dBm/MHz) = $10*\log\{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)}\}$

Note 2: When EUT duty cycle < 98%, EIRP PSD (dBm/MHz) = Total PSD (dBm/MHz) + 10*log (1/Duty Cycle) + Directional Gain (dBi).

802.11ax-HE20 Power Spectral Density – Ant 0 (N_{SS}=1)	
Channel 33 (6115MHz)	Channel 61 (6255MHz)
	
Channel 93 (6415MHz)	Channel 97 (6435MHz)
	
Channel 105 (6475MHz)	Channel 113 (6515MHz)
	
Channel 117 (6535MHz)	Channel 149 (6695MHz)
	

802.11ax-HE20 Power Spectral Density – Ant 0 (N_{SS}=1)	
Channel 181 (6855MHz)	Channel 185 (6875MHz)
	
Channel 189 (6895MHz)	Channel 213 (7015MHz)
	
Channel 229 (7095MHz)	
	

802.11ax-HE40 Power Spectral Density – Ant 0 (N_{SS}=1)	
Channel 35 (6125MHz)	Channel 59 (6245MHz)
	
Channel 91 (6405MHz)	Channel 99 (6445MHz)
	
Channel 107 (6485MHz)	Channel 115 (6525MHz)
	
Channel 123 (6565MHz)	Channel 147 (6685MHz)
	

802.11ax-HE40 Power Spectral Density – Ant 0 (N_{SS}=1)	
Channel 179 (6845MHz)	Channel 187 (6885MHz)
	
Channel 195 (6925MHz)	Channel 211 (7005MHz)
	
Channel 227 (7085MHz)