RF MEASUREMENT REPORT

FCC ID	:	**HD5-CK67X0N**
Applicant	:	**Honeywell International Inc.** **Honeywell Safety and Productivity Solutions**
Application Type	:	**Certification**
Product	:	**Mobile Computer**
Model No.	:	**CK67X0N**
Brand Name	:	**Honeywell**
FCC Classification	:	**15E 6GHz Indoor Client (6XD)**
FCC Rule Part(s)	:	**Part 15 Subpart E (Section 15.407)**
Received Date	:	**May 9, 2024**
Test Date	:	**June 21, 2024~July 26, 2024**

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.

Revision History

Report No.	Version	Description	Issue Date	Note
2405TW0107-U8	1.0	Original Report	2024-08-01	

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General Information

Applicant	Honeywell International Inc. Honeywell Safety and Productivity Solutions
Applicant Address	9680 Old Bailes Rd. Fort Mill, SC 29707 United States
Manufacturer	Honeywell International Inc Honeywell Safety and Productivity Solutions
Manufacturer Address	9680 Old Bailes Rd. Fort Mill, SC 29707 United States
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 Canada, EU and TELEC Rules.

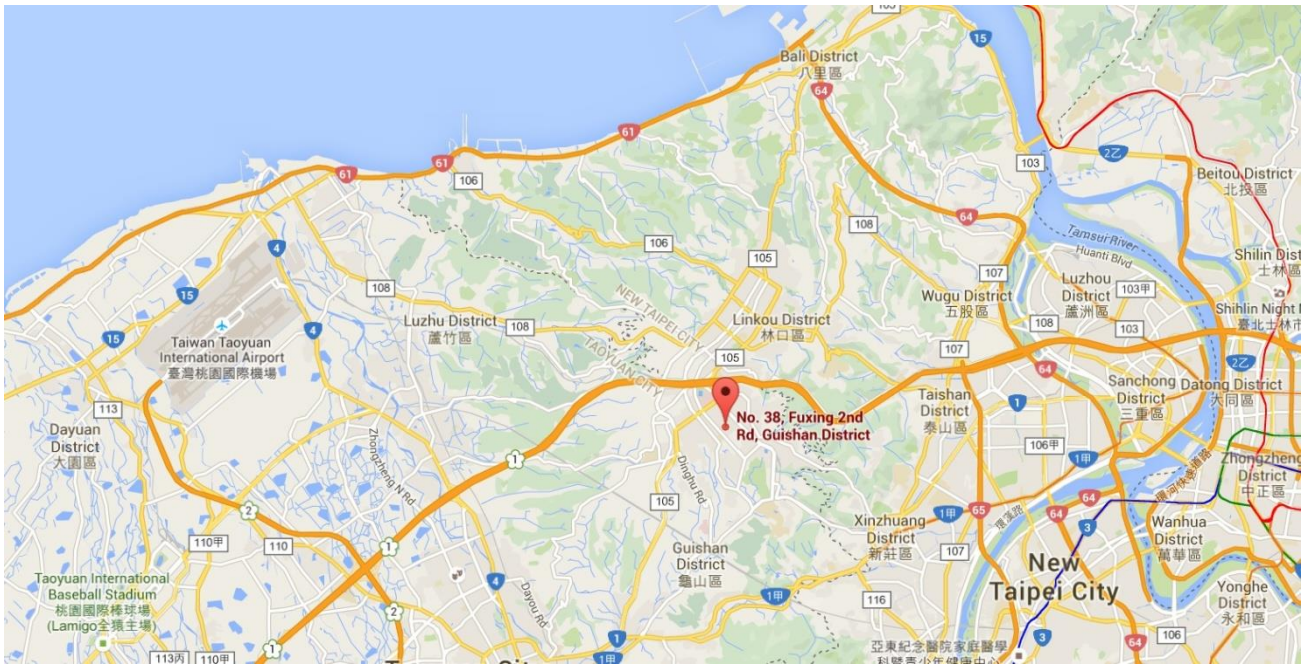
1. INTRODUCTION

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	Mobile Computer
Model No.	CK67X0N
Brand Name	Honeywell
Wi-Fi Specification	802.11a/b/g/n/ac/ax
Bluetooth Specification	Main BT/BLE : V5.3 dual mode + 2nd BLE: V5.3 Single mode
NFC Specification	13.56MHz
Antenna Information	Refer to section 1.7
EUT Identification No.:	#24150D83DF (Conducted) #24150D865D (Radiated) #24150D82B8 (CBP)
Accessory	
Battery	Brand: Honeywell MODEL:CK65-BTSC Rating: 3.6Vdc, 7000mAh, 25.2Wh
Remark: 1. The information of EUT was provided by the manufacturer, and the accuracy of the information shall be the responsibility of the manufacturer.	

Note:

1. For other features of this EUT, test report will be issued separately.
2. This product has 3 scanners, 5 keypads, can refer as below:

Scanner	S0703	S0803FR	S0803	--	--
Keypad	Alpha Numeric	Numeric	Large Numeric	53keys Alpha Numeric	42keys Numeric

3. This report selected S0803FR with Alpha Numeric as the main test.

2.2. Radio Specification

Frequency Range	For 802.11a/ax-HE20: 5935 ~ 7115MHz For 802.11ax-HE40: 5965 ~ 7085MHz For 802.11ax-HE80: 5985 ~ 7025MHz For 802.11ax-HE160: 6025 ~ 6985MHz
Type of Modulation	802.11a: OFDM 802.11ax: OFDMA
Data Rate	802.11a: 6/9/12/18/24/36/48/54Mbps 802.11ax: up to 2402Mbps

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

2.3. Working Frequencies

802.11a/ax-HE20

Channel	Frequency	Channel	Frequency	Channel	Frequency
2	5935 MHz	1	5955 MHz	5	5975 MHz
9	5995 MHz	13	6015 MHz	17	6035 MHz
21	6055 MHz	25	6075 MHz	29	6095 MHz
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	6495 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	233	7115 MHz

802.11ax-HE40

Channel	Frequency	Channel	Frequency	Channel	Frequency
3	5965 MHz	11	6005 MHz	19	6045 MHz
27	6085 MHz	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
7	5985 MHz	23	6065 MHz	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
15	6025 MHz	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	Max Antenna Gain (dBi)	Beamforming Directional Gain(dBi)	CDD Directional Gain (dBi)	
						For Power	For PSD
Wi-Fi Antenna							
PIFA	2412 ~ 2462	2	1	3.00	--	3.00	5.67
	5150 ~ 5250	2	1	2.50	--	2.50	5.07
	5250 ~ 5350	2	1	2.40	--	2.40	5.16
	5470 ~ 5725	2	1	2.70	--	2.70	5.42
	5725 ~ 5850	2	1	2.60	--	2.60	5.61
	5850 ~ 5895	2	1	2.60	--	2.60	5.61
	5925 ~ 6425	2	1	3.00	--	3.00	5.86
	6425 ~ 6525	2	1	3.00	--	3.00	5.86
	6525 ~ 6875	2	1	4.00	--	4.00	6.52
	6875 ~ 7125	2	1	3.90	--	3.90	6.81

Remark:

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

   If antenna gains are not equal, the user may use either of the following methods to calculate directional gain, provided that each transmit antenna is driven by only one spatial stream follows.

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

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$

   - For power measurements on IEEE 802.11 devices,

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

2. All messages of antenna were declared by manufacturer.

Test Mode	T_X Paths	CDD Mode	Beamforming Mode
802.11b/g/n (DTS)	2	√	X
802.11ax (DTS)	2	√	X
802.11a/n (NII)	2	√	X
802.11ac/ax (NII)	2	√	X
802.11ax (6XD)	2	√	X

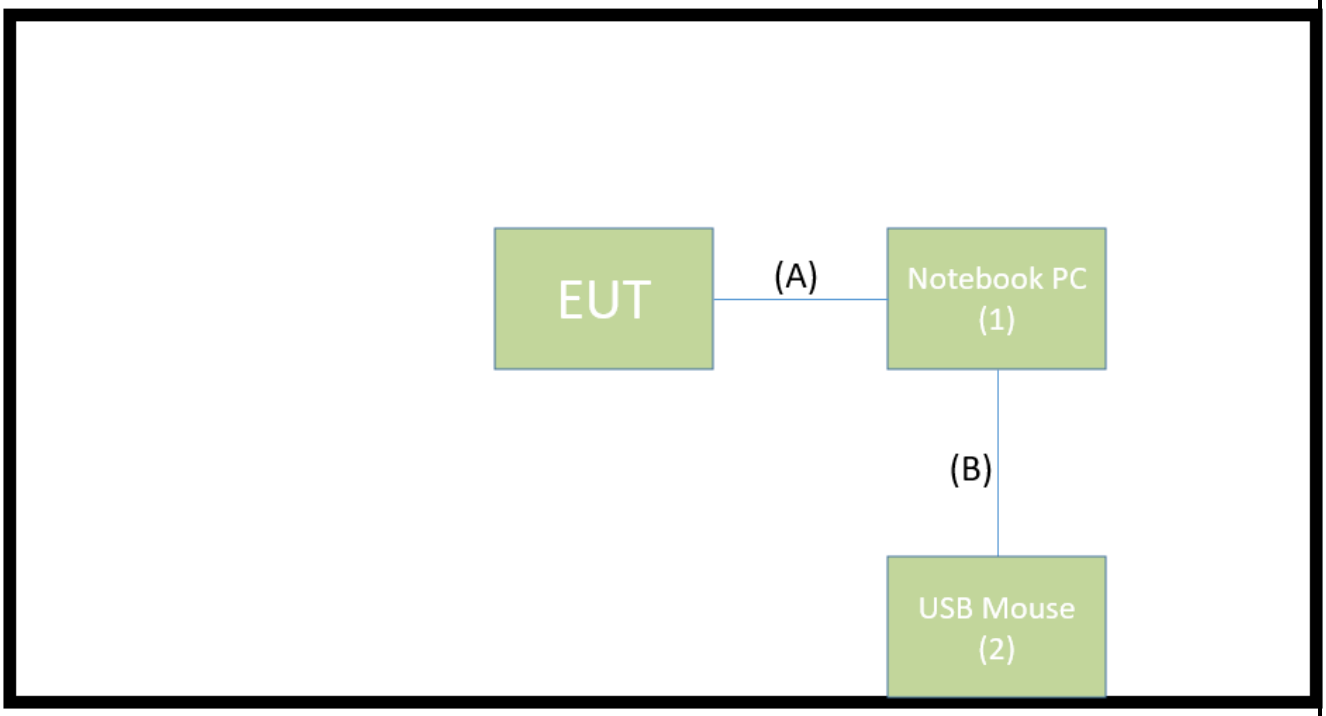
Test Mode

CDD Mode
Mode 1: Transmit by 802.11a_ (CDD mode)
Mode 2: Transmit by 802.11ax-HE20_ (CDD mode)
Mode 3: Transmit by 802.11ax-HE40_ (CDD mode)
Mode 4: Transmit by 802.11ax-HE80_ (CDD mode)
Mode 5: Transmit by 802.11ax-HE160_ (CDD mode)
Mode 6: Transmit by 802.11ax-HE20_26Tone_RU0 (CDD mode)
Mode 7: Transmit by 802.11ax-HE20_26Tone_RU8 (CDD mode)
Mode 8: Transmit by 802.11ax-HE20_52Tone_RU74 (CDD mode)
Mode 9: Transmit by 802.11ax-HE20_52Tone_RU77 (CDD mode)
Mode 10: Transmit by 802.11ax-HE20_106Tone_RU106 (CDD mode)
Mode 11: Transmit by 802.11ax-HE20_106Tone_RU107 (CDD mode)
Mode 12: Transmit by 802.11ax-HE20_242Tone_RU122 (CDD mode)
Mode 13: Transmit by 802.11ax-HE20_242Tone_RU122 (CDD mode)
Remark: 1. For Radiated emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

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



Signal Cable Type		Signal Cable Description
A	USB Cable	Shielded, 1.0m
B	USB Mouse Cable	Shielded, 1.8m

2.7. Test System Details

Product		Manufacturer	Model No.	Serial No.	Power Cord
1	Notebook PC	DELL	P65F	N/A	Non-shielded, 0.8m
2	USB Mouse	Logitech	M90	N/A	N/A

2.8. Test Software

The test utility software used during testing was “QRCT”, the version is ver4.0-00209.

Note: Final power setting please refer to operational description.

2.9. Applied Standards

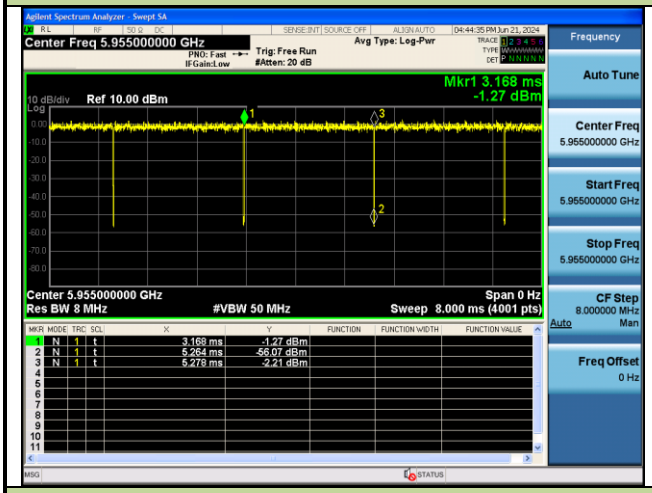
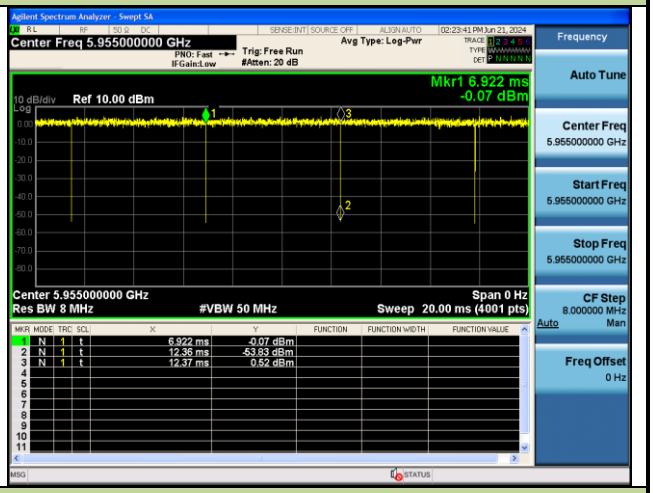
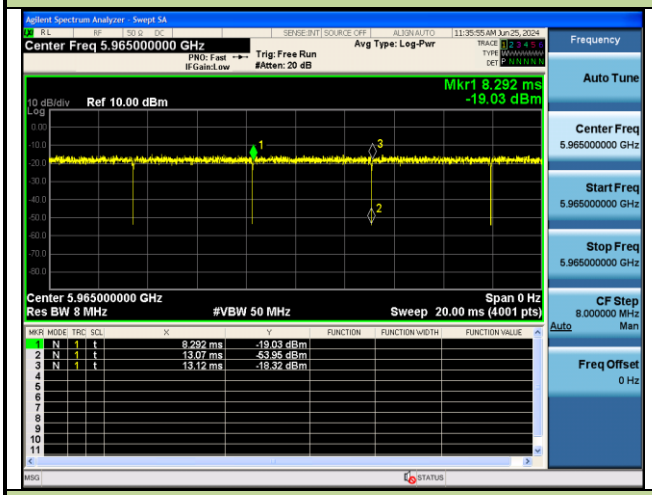
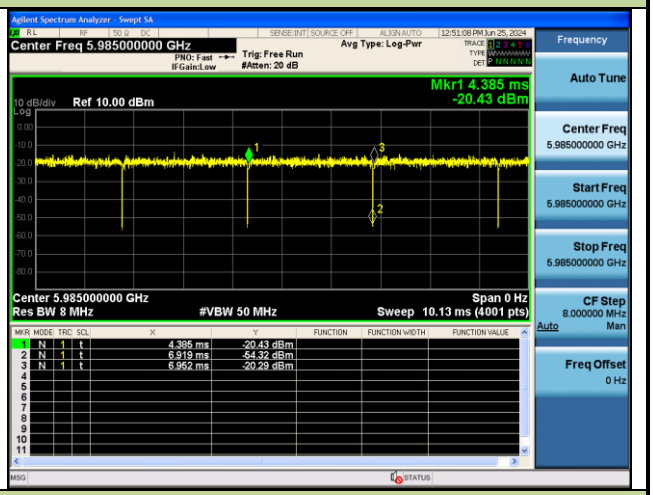
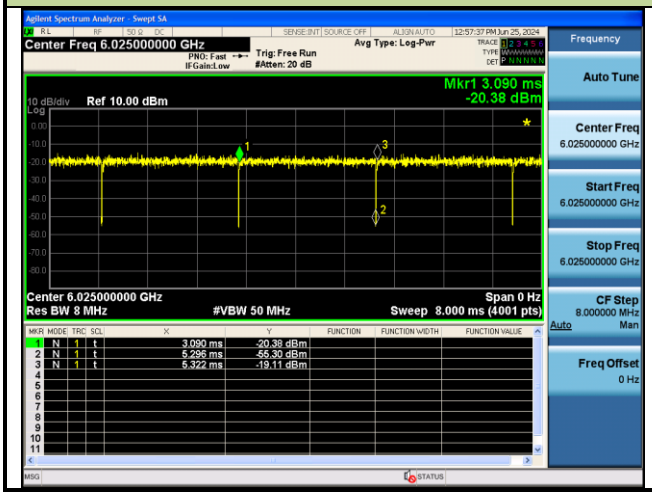
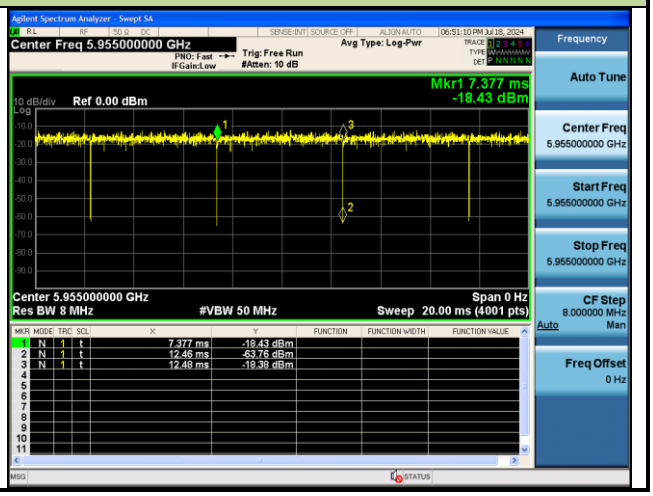
According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

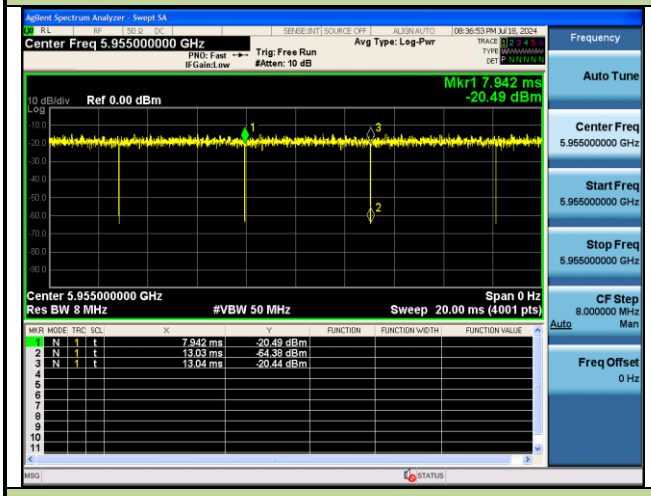
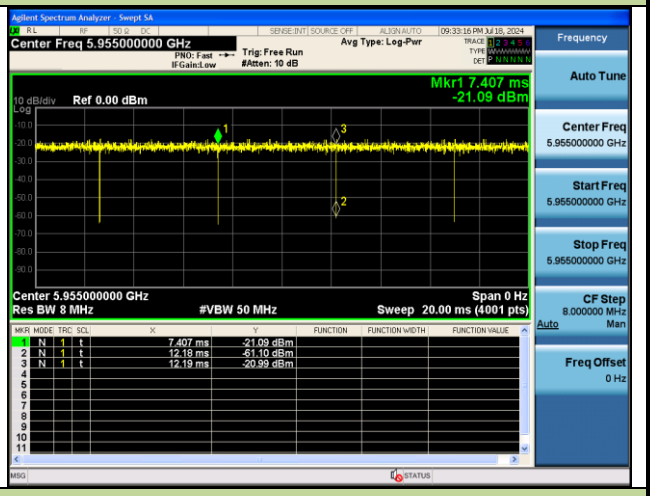
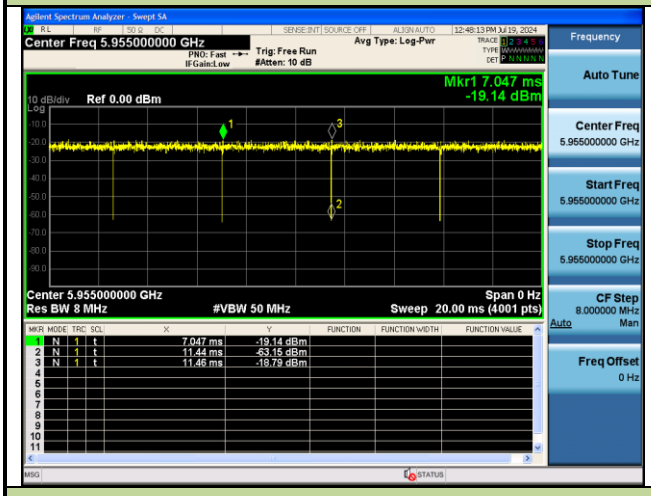
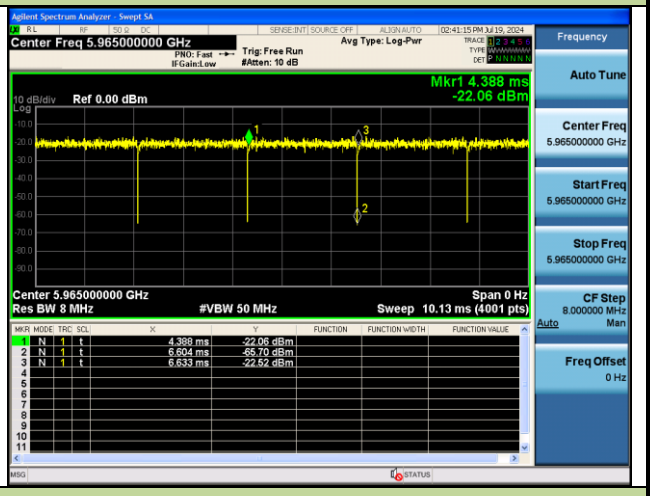
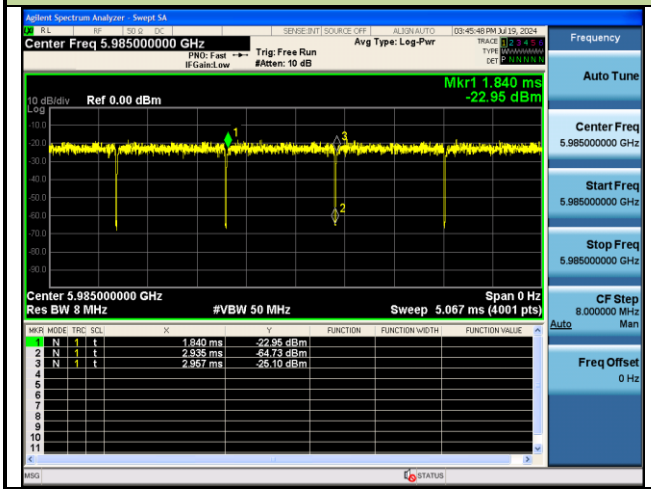
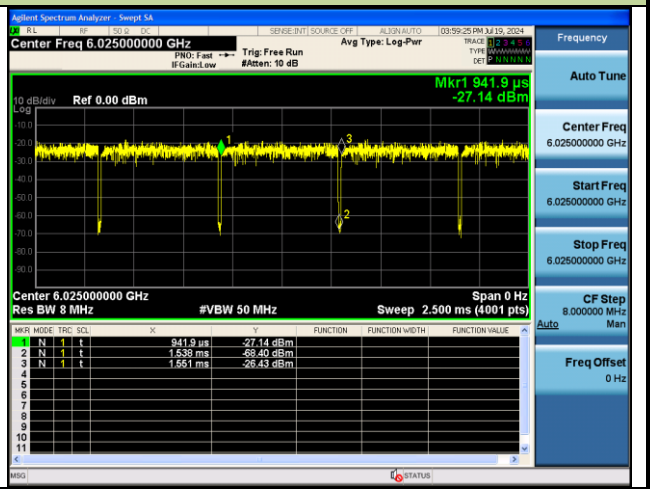
- ANSI C63.10-2013
- FCC KDB 789033 D02v02r01
- FCC KDB 987594 D02v01r01
- FCC KDB 987594 D04v02
- FCC KDB 662911 D01v02r01
- FCC KDB 414788 D01v01r01
- FCC KDB 412172 D01v01r01

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
802.11a	99.34%
802.11ax-HE20	99.82%
802.11ax-HE40	98.96%
802.11ax-HE80	98.71%
802.11ax-HE160	98.84%
802.11ax-HE20_26 Tone_RU0	99.61%
802.11ax-HE20_52 Tone_RU74	99.80%
802.11ax-HE20_106 Tone_RU106	99.79%
802.11ax-HE20_242 Tone_RU122	99.55%
802.11ax-HE40_484 Tone_RU130	98.71%
802.11ax-HE80_996 Tone_RU134	98.03%
802.11ax-HE160_1992 Tone_RU136	97.87%

Duty Cycle	
802.11a	802.11ax-HE20
	
802.11ax-HE40	802.11ax-HE80
	
802.11ax-HE160	802.11ax-HE20_26 Tone_RU0
	

802.11ax-HE20_52 Tone_RU74	802.11ax-HE20_106 Tone_RU106
	
802.11ax-HE20_242 Tone_RU122	802.11ax-HE40_484 Tone_RU130
	
802.11ax-HE80_996 Tone_RU134	802.11ax-HE160_1992 Tone_RU132
	

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	2025/3/5
Two-Line V-Network	R&S	ENV216	MRTTWA00020	1 year	2025/4/21
EMI Test Receiver	R&S	ESR3	MRTTWA00045	1 year	2025/5/14
DIVA PLUS Funk-Wetterstation	TFA	35.1083	MRTTWA00050	1 year	2025/6/2

Radiated Emissions

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
Acitve Loop Antenna	SCHWARZBECK	FMZB 1519B	MRTTWA00002	1 year	2025/5/7
Broadband TRILOG Antenna	SCHWARZBECK	VULB 9162	MRTTWA00001	1 year	2024/10/31
Broadband Hornantenna	RFSPIN	DRH18-E	MRTTWA00087	1 year	2025/5/20
Broadband Preamplifier	EMC Instruments corporation	EMC118A45SE	MRTTWA00088	1 year	2025/5/14
Breitband Hornantenna	SCHWARZBECK	BBHA 9170	MRTTWA00004	1 year	2025/3/26
Broadband Amplifier	SCHWARZBECK	BBV 9721	MRTTWA00006	1 year	2025/3/21
EMI Test Receiver	R&S	ESR3	MRTTWA00009	1 year	2025/3/5
Signal Analyzer	R&S	FSVA3044	MRTTWA00092	1 year	2025/6/20
Antenna Cable	HUBERSUHNER	SF106	MRTTWE00034	1 year	2025/6/25
Cable	HUBERSUHNER	EMC105-NM-NM-3000	MRTTWE00035	1 year	2025/6/25
Temperature/Humidity Meter	TFA	35.1083	MRTTWA00050	1 year	2025/6/2

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	2025/4/16
EXA Signal Analyzer	KEYSIGHT	N9010A	MRTTWA00012	1 year	2024/10/17
Attenuator	WTI	218FS-20	MRTTWE00026	1 year	2024/11/1
Attenuator	WTI	218FS-10	MRTTWE00027	1 year	2025/6/13
Temperature & Humidity Chamber	TEN BILLION	TTH-B3UP	MRTTWA00036	1 year	2025/6/6
DIVA PLUS Funk-Wetterstation	TFA	35.1083	MRTTWA00050	1 year	2025/6/2

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	Reference
15.407(a)	26dB Bandwidth	Conducted	Pass	Section6.2
15.407(a)(7), (a)(8)	Maximum Equivalent Isotopically Radiated Power (E.I.R.P)		Pass (14.54dBm@EIRP)	Section6.3
15.407(a)(7), (a)(8)	Peak Power Spectral Density (E.I.R.P)		Pass	Section6.4
15.407(b)(7)	In-Band Emission		Pass	Section6.5
15.407(g)	Frequency Stability		Pass	Section6.6
15.407(d)(6)	Contention-Based Protocol		Pass	Section6.7
15.407(b)(5)	Unwanted Emissions	Radiated	Pass (49.41dBuV/m@Peak)	Section6.8
15.407(b) (8), (9), (10)	General Field Strength (Restricted Bands and Radiated Emission)		Pass (66.66dBuV/m@avg)	Section6.9
15.207	AC Conducted Emissions 150kHz - 30MHz	Line Conducted	Pass	Section6.10

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. Output power test was verified over all data rates of each mode (data refers to operational description), and then choose the maximum power output (low data rate) for final test of each channel.
4. 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 C.1 (26dB Bandwidth)

KDB 789033 D02v02r01- Section D (99% Bandwidth)

6.2.3. Test Setting

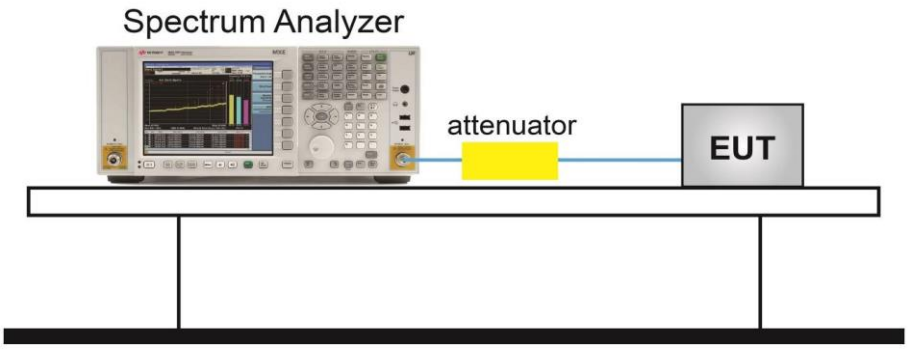
26dB Bandwidth

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

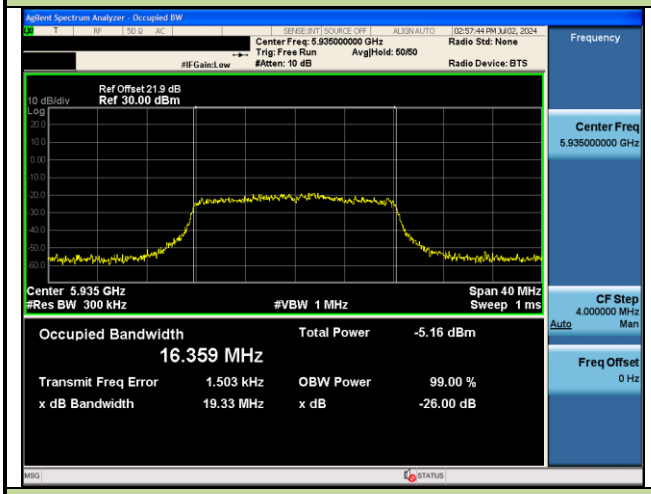
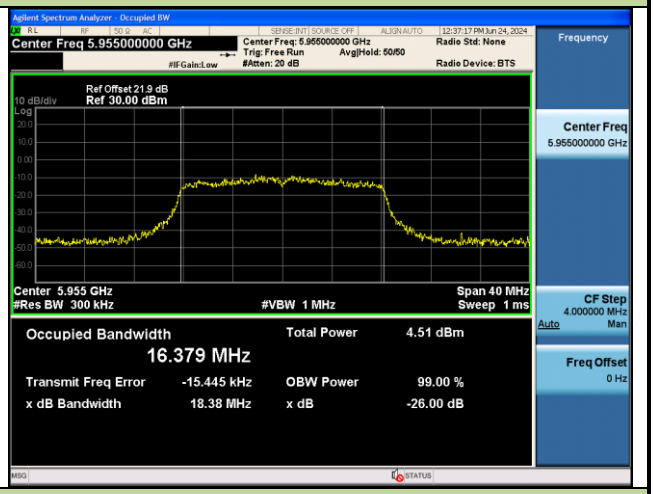
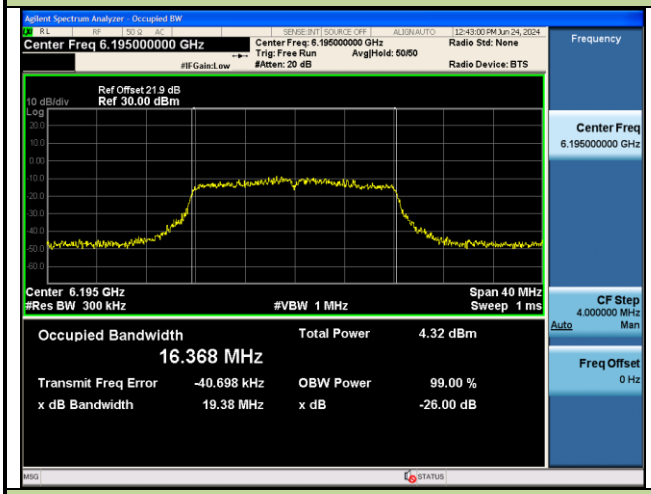
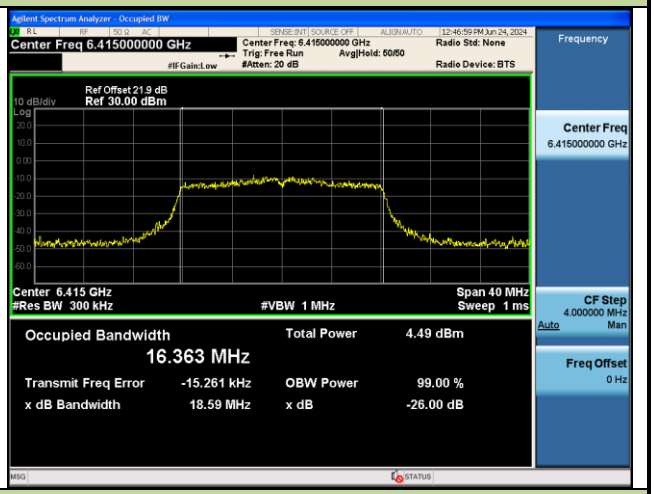
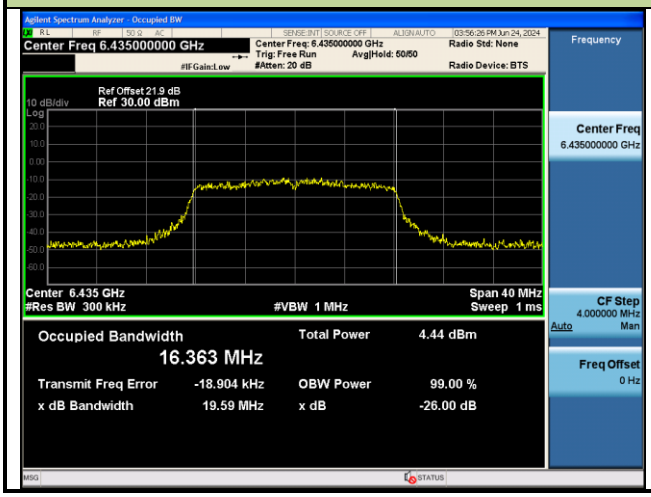
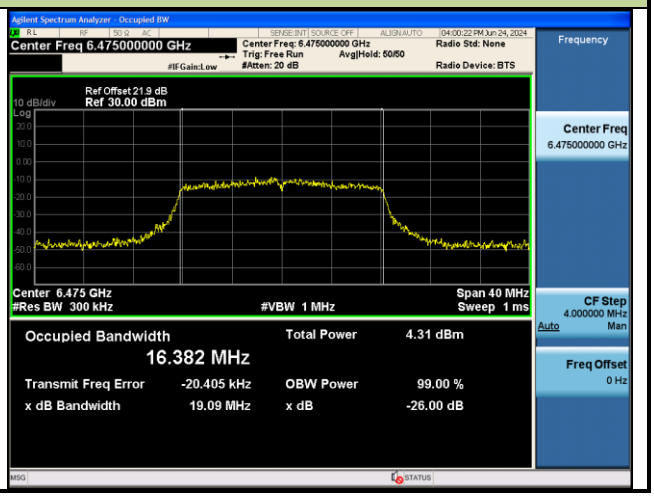


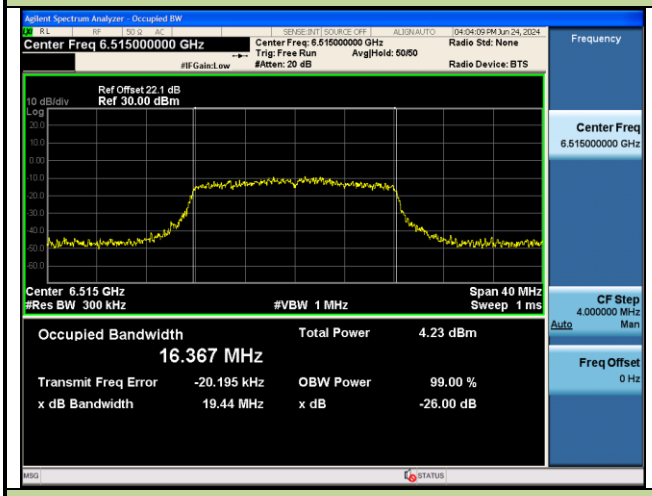
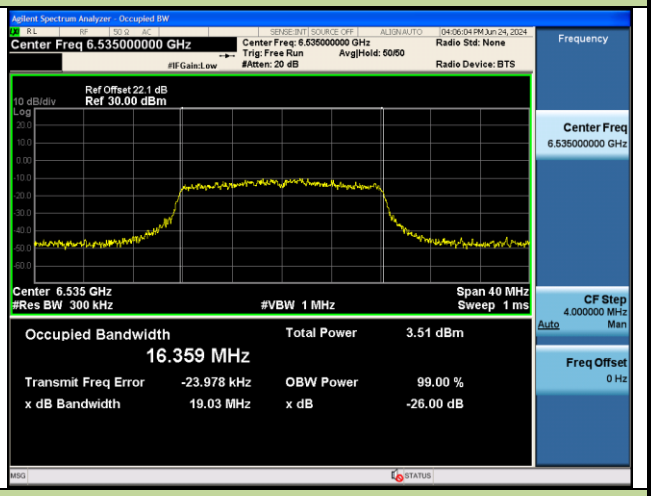
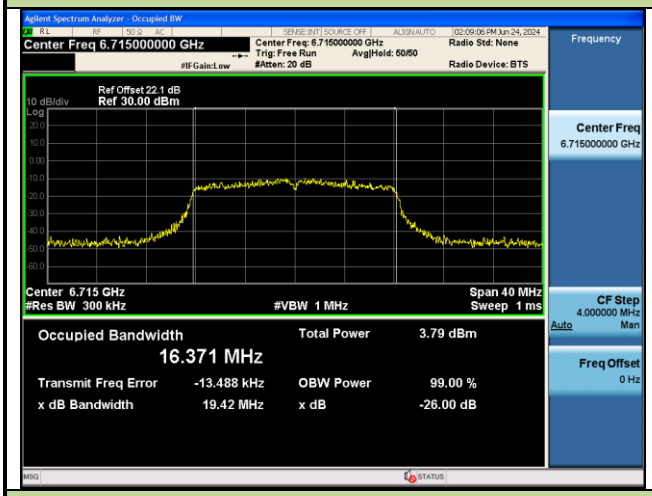
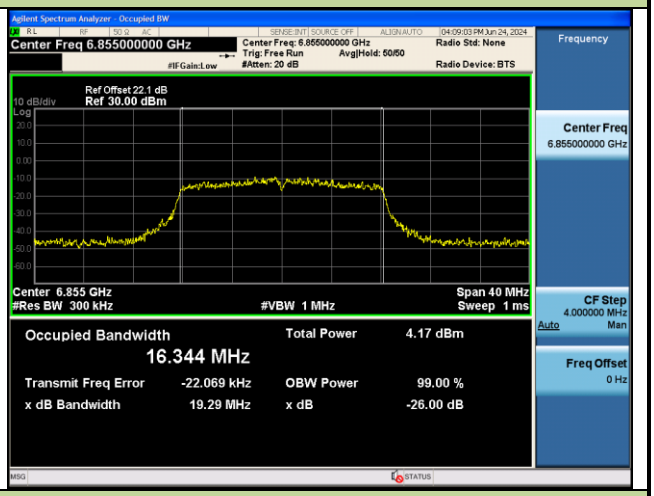
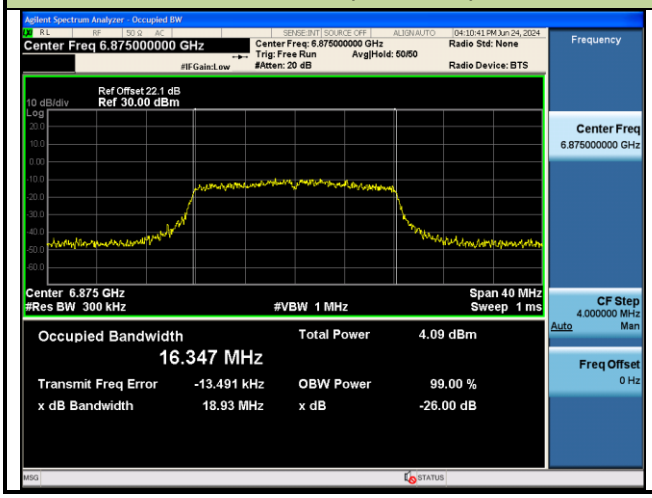
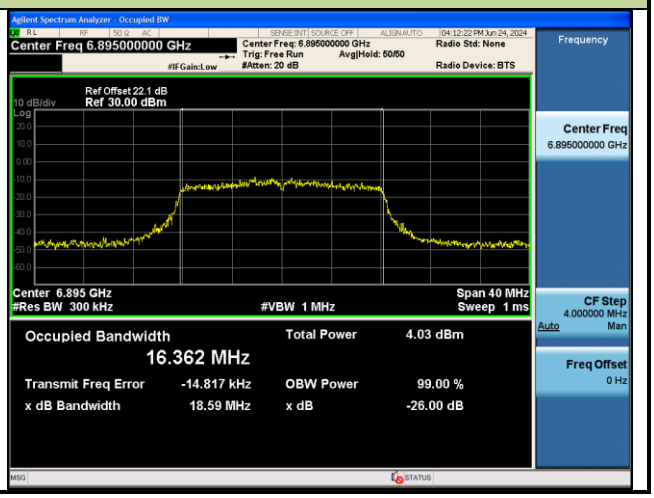
6.2.5. Test Result

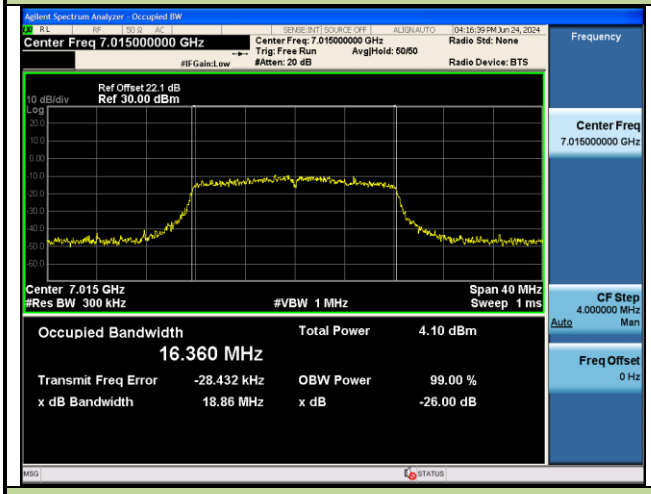
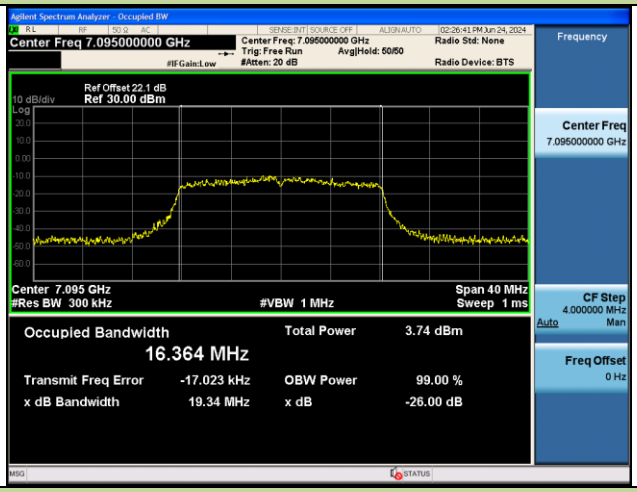
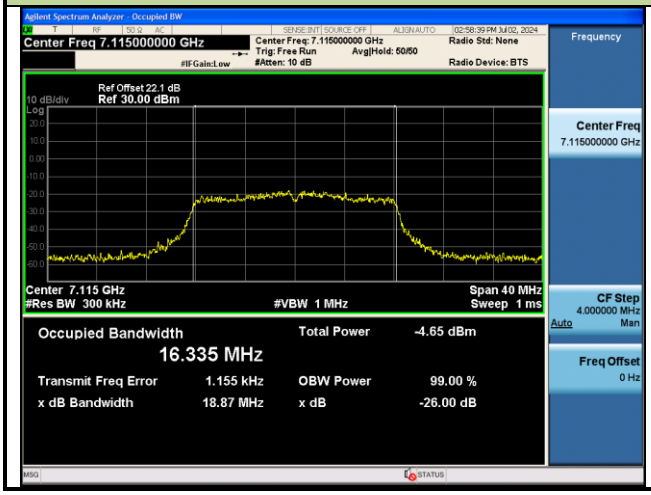
Test Site	SR6	Test Engineer	Owen
Test Date	2024/6/24~2024/7/2		

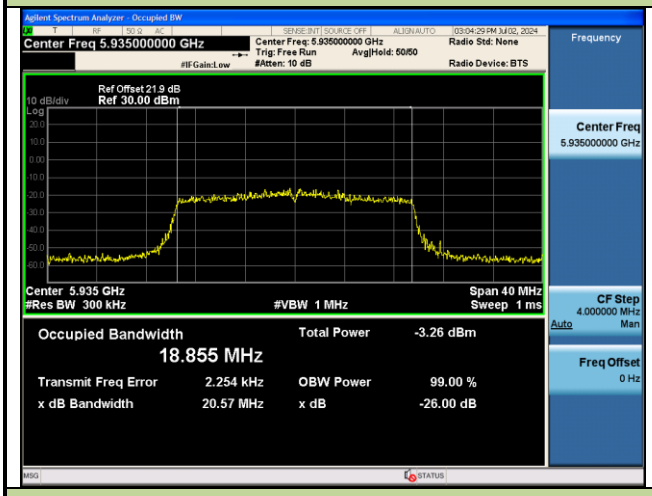
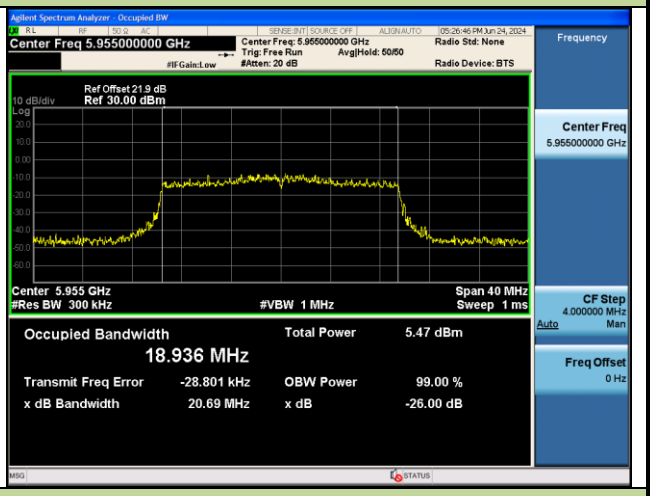
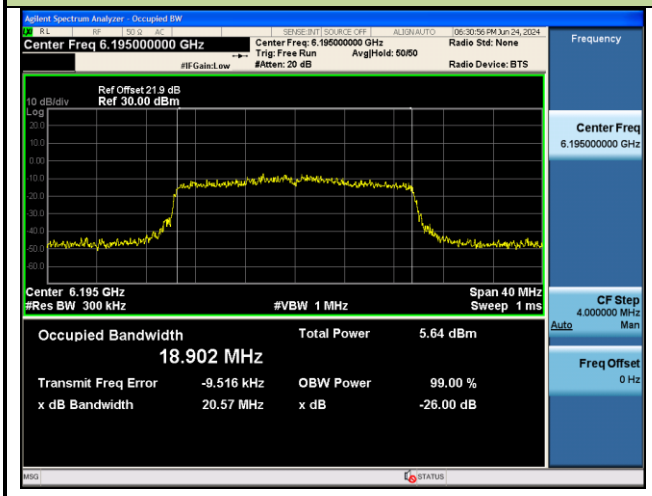
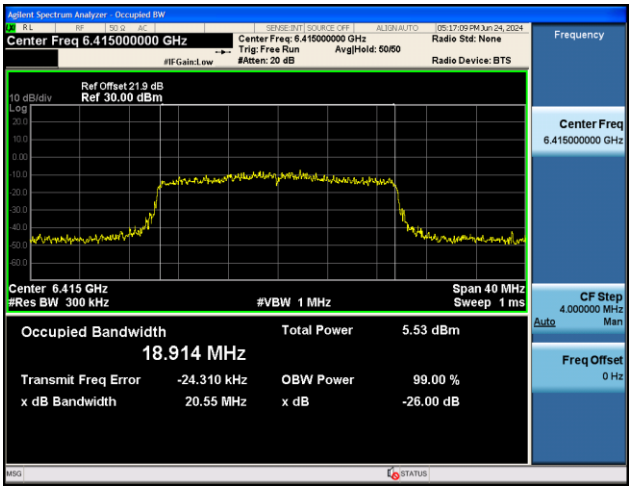
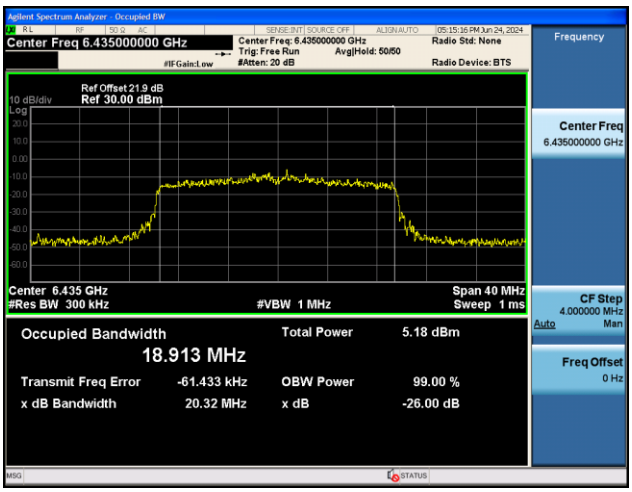
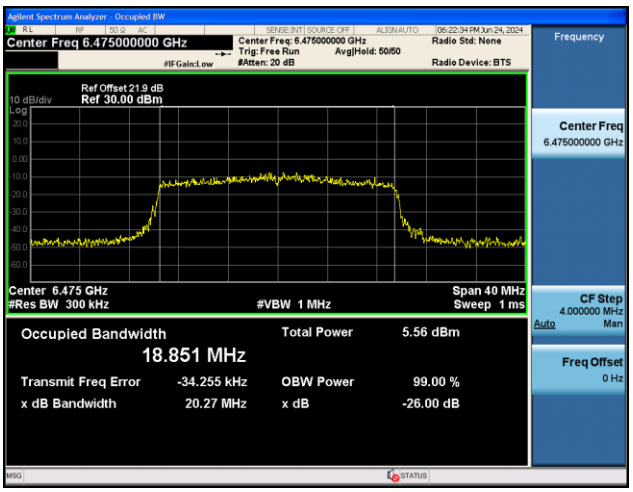
Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
802.11a	MCS0	2	5935	19.33	16.359
802.11a	MCS0	1	5955	18.38	16.379
802.11a	MCS0	49	6195	19.38	16.368
802.11a	MCS0	93	6415	18.59	16.363
802.11a	MCS0	97	6435	19.59	16.363
802.11a	MCS0	105	6475	19.09	16.382
802.11a	MCS0	113	6515	19.44	16.367
802.11a	MCS0	117	6535	19.03	16.359
802.11a	MCS0	153	6715	19.42	16.371
802.11a	MCS0	181	6855	19.29	16.344
802.11a	MCS0	185	6875	18.93	16.347
802.11a	MCS0	189	6895	18.59	16.362
802.11a	MCS0	213	7015	18.86	16.360
802.11a	MCS0	229	7095	19.34	16.364
802.11a	MCS0	233	7115	18.87	16.335
802.11ax-HE20	MCS0	2	5935	20.57	18.855
802.11ax-HE20	MCS0	1	5955	20.69	18.936
802.11ax-HE20	MCS0	49	6195	20.57	18.902
802.11ax-HE20	MCS0	93	6415	20.55	18.914
802.11ax-HE20	MCS0	97	6435	20.32	18.913
802.11ax-HE20	MCS0	105	6475	20.27	18.851
802.11ax-HE20	MCS0	113	6515	20.35	18.855
802.11ax-HE20	MCS0	117	6535	20.19	18.911
802.11ax-HE20	MCS0	153	6715	20.44	18.830
802.11ax-HE20	MCS0	181	6855	20.73	18.882
802.11ax-HE20	MCS0	185	6875	20.32	18.860
802.11ax-HE20	MCS0	189	6895	20.60	18.875
802.11ax-HE20	MCS0	213	7015	20.51	18.840
802.11ax-HE20	MCS0	229	7095	20.47	18.863
802.11ax-HE20	MCS0	233	7115	20.66	18.871

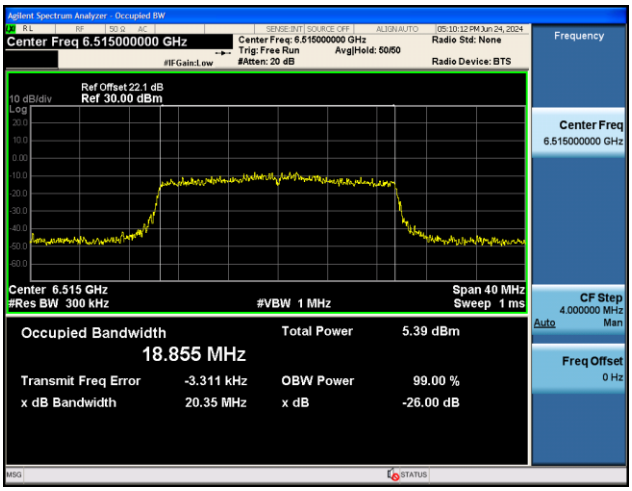
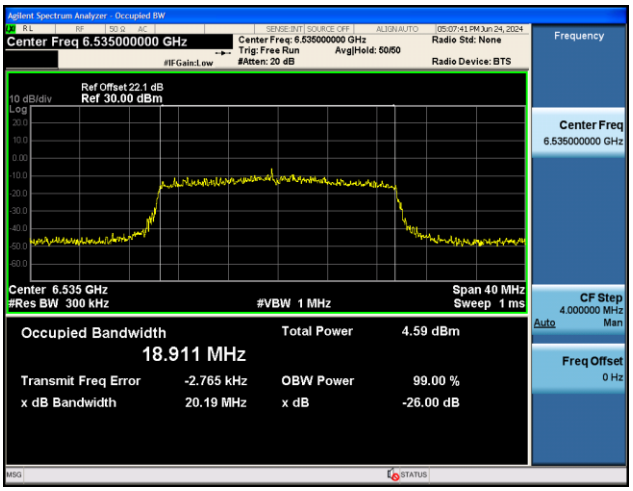
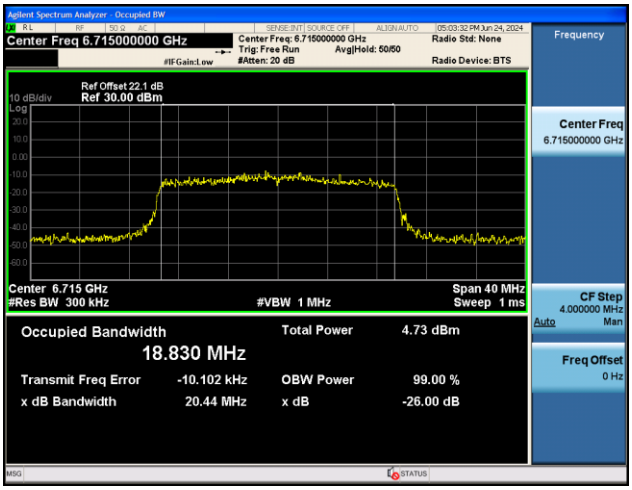
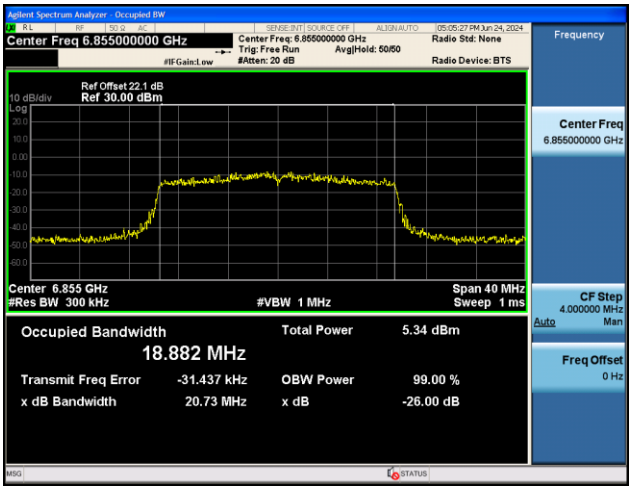
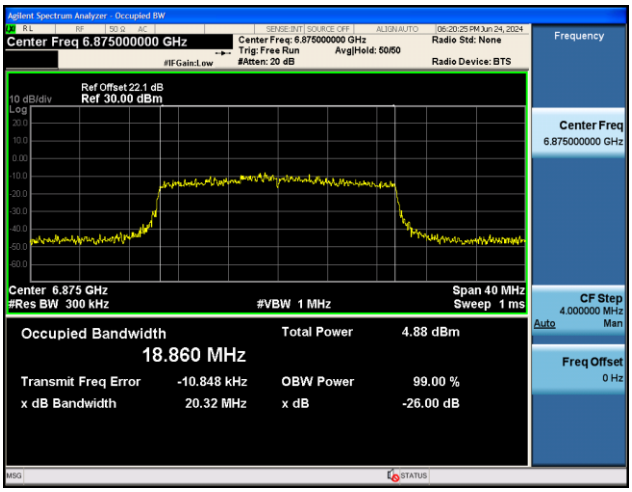
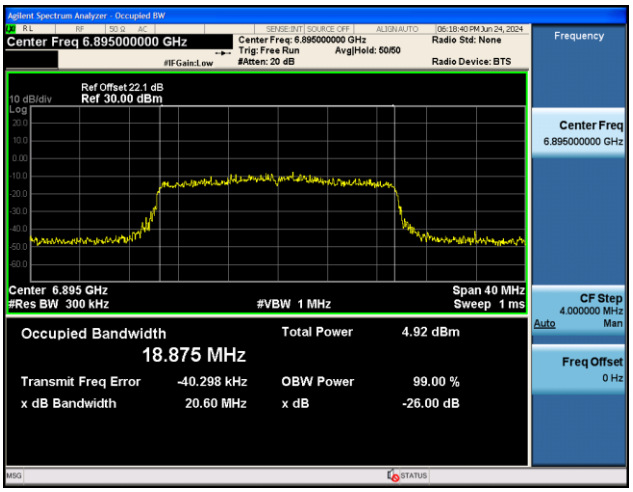
Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
802.11ax-HE40	MCS0	3	5965	40.02	37.652
802.11ax-HE40	MCS0	51	6205	39.85	37.619
802.11ax-HE40	MCS0	91	6405	39.81	37.627
802.11ax-HE40	MCS0	99	6445	40.08	37.659
802.11ax-HE40	MCS0	107	6485	39.63	37.641
802.11ax-HE40	MCS0	115	6525	40.04	37.597
802.11ax-HE40	MCS0	123	6565	39.52	37.693
802.11ax-HE40	MCS0	147	6685	39.83	37.626
802.11ax-HE40	MCS0	179	6845	39.93	37.655
802.11ax-HE40	MCS0	187	6885	40.04	37.701
802.11ax-HE40	MCS0	195	6925	39.70	37.705
802.11ax-HE40	MCS0	211	7005	39.50	37.706
802.11ax-HE40	MCS0	227	7085	39.47	37.617
802.11ax-HE80	MCS0	7	5985	80.78	76.914
802.11ax-HE80	MCS0	55	6225	81.11	76.998
802.11ax-HE80	MCS0	87	6385	80.81	77.013
802.11ax-HE80	MCS0	103	6465	80.41	76.928
802.11ax-HE80	MCS0	119	6545	80.95	76.965
802.11ax-HE80	MCS0	135	6625	80.45	77.063
802.11ax-HE80	MCS0	151	6705	81.05	76.850
802.11ax-HE80	MCS0	183	6865	80.70	76.898
802.11ax-HE80	MCS0	199	6945	80.13	76.932
802.11ax-HE80	MCS0	215	7025	80.77	77.039
802.11ax-HE160	MCS0	15	6025	162.8	155.71
802.11ax-HE160	MCS0	47	6185	162.2	155.65
802.11ax-HE160	MCS0	79	6345	162.4	155.84
802.11ax-HE160	MCS0	111	6505	163.4	156.01
802.11ax-HE160	MCS0	143	6665	162.2	155.85
802.11ax-HE160	MCS0	175	6825	163.0	156.26
802.11ax-HE160	MCS0	207	6985	162.6	155.96

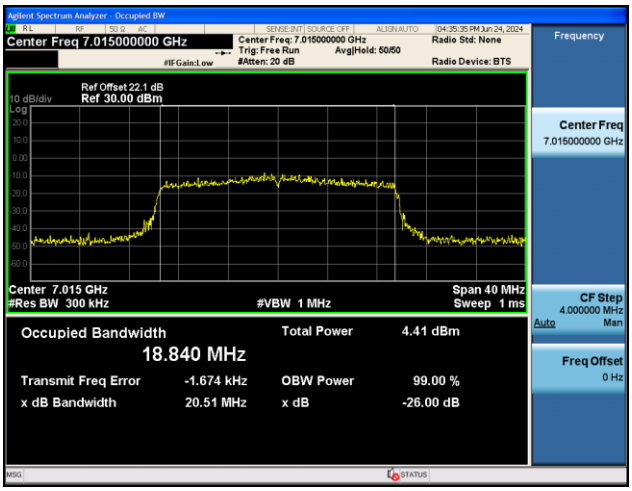
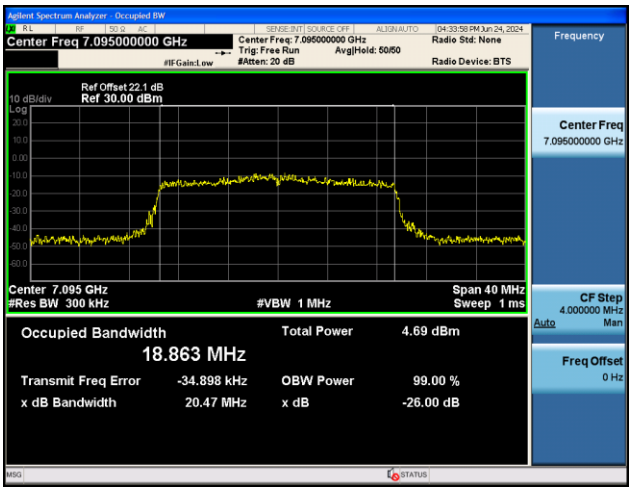
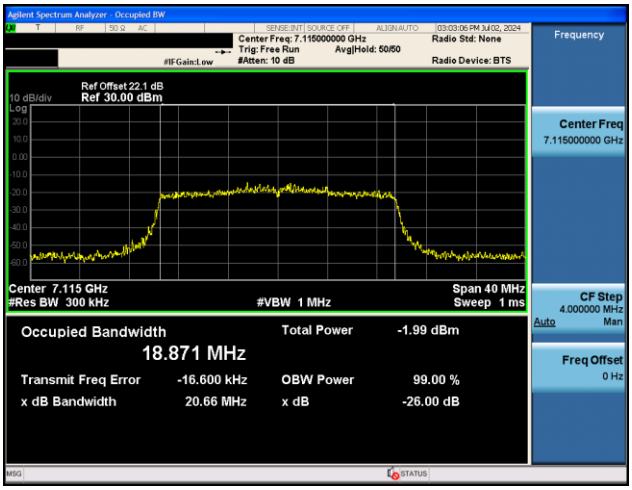
802.11a 26dB Bandwidth & 99% Bandwidth	
Channel 2 (5935MHz)	Channel 1 (5955MHz)
	
Channel 49 (6195MHz)	Channel 93 (6415MHz)
	
Channel 97 (6435MHz)	Channel 105 (6475MHz)
	

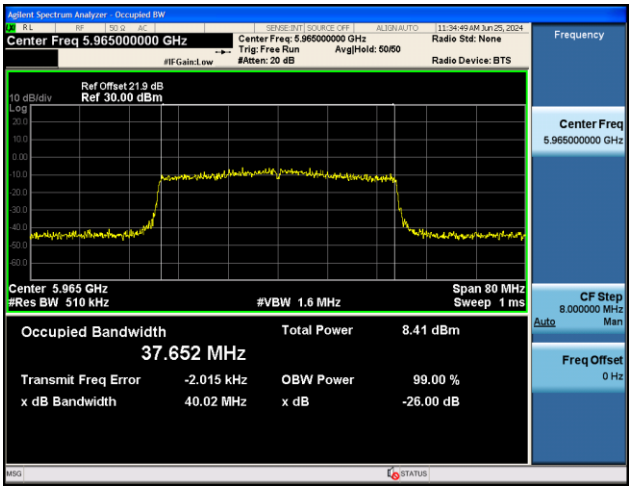
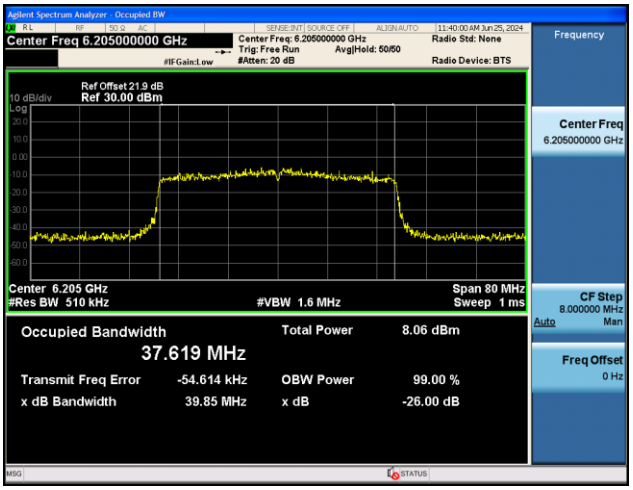
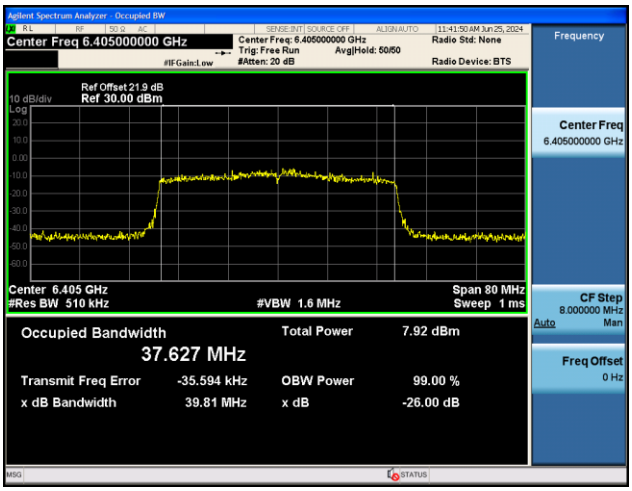
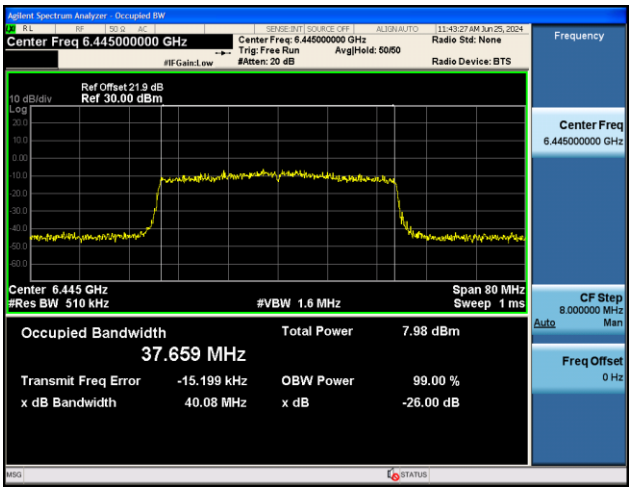
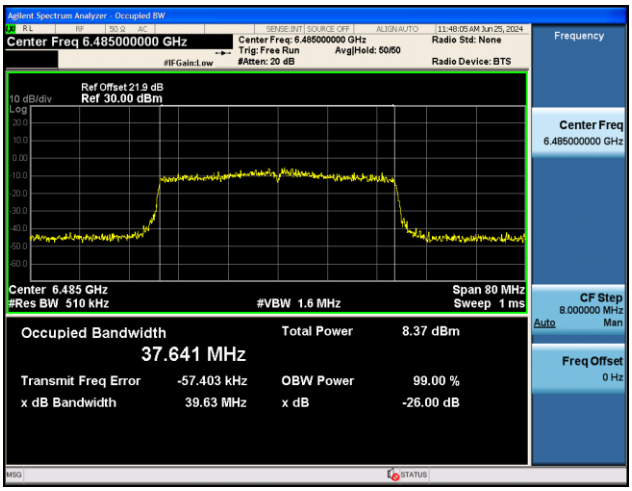
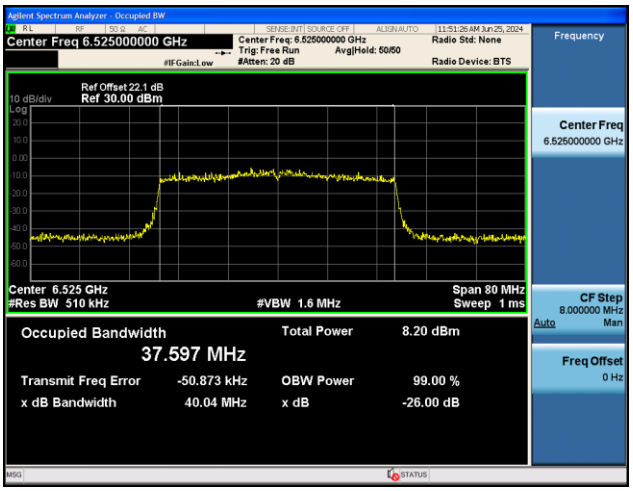
Channel 113 (6515MHz)	Channel 117 (6535MHz)
	
Channel 153 (6715MHz)	**Channel 181 (6855MHz)**
	
Channel 185 (6875MHz)	**Channel 189 (6895MHz)**
	

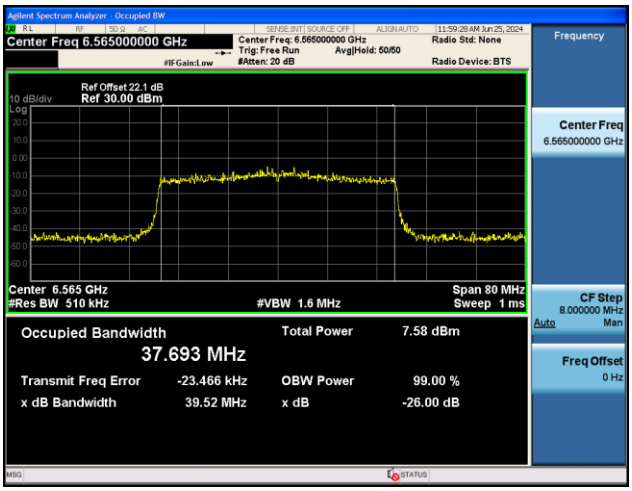
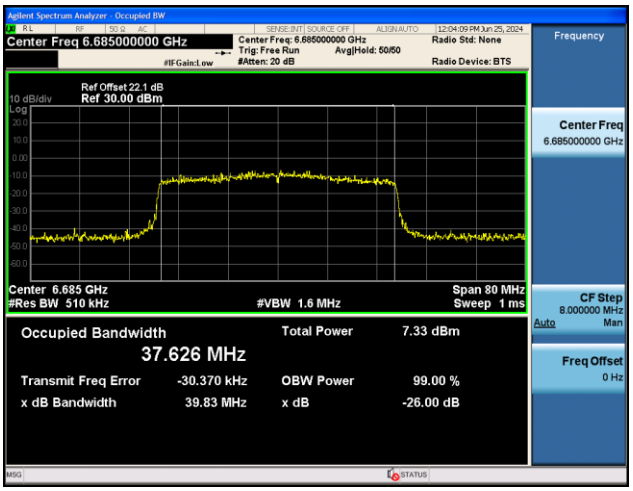
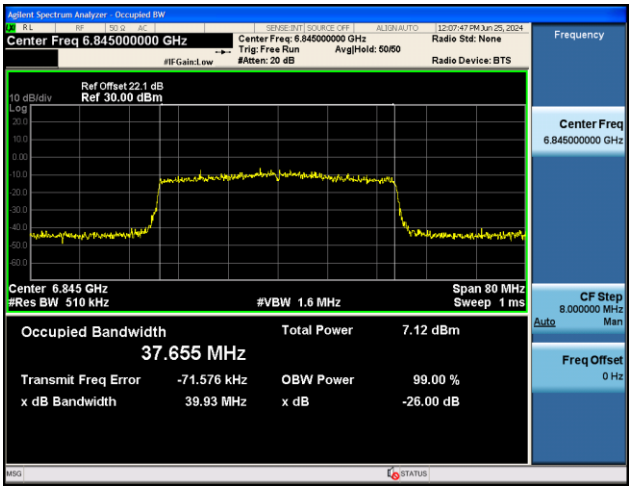
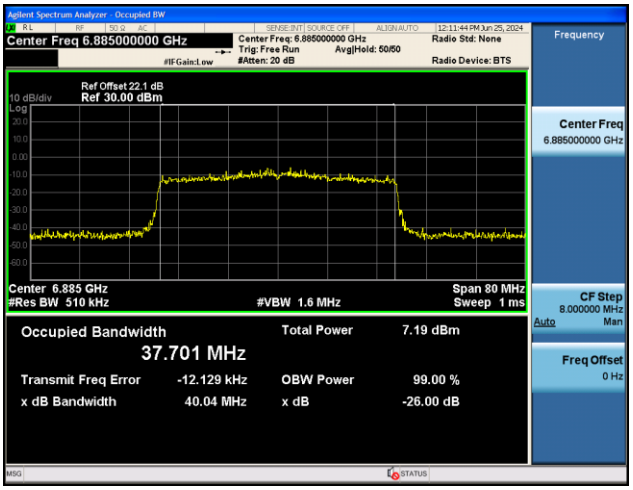
Channel 213 (7015MHz)	Channel 229 (7095MHz)
	
Channel 233 (7115MHz)	
	

802.11ax-HE20 26dB Bandwidth & 99% Bandwidth	
Channel 2 (5935MHz)	Channel 1 (5955MHz)
	
Channel 49 (6195MHz)	Channel 93 (6415MHz)
	
Channel 97 (6435MHz)	Channel 105 (6475MHz)
	

Channel 113 (6515MHz)	Channel 117 (6535MHz)
	
Channel 153 (6715MHz)	**Channel 181 (6855MHz)**
	
Channel 185 (6875MHz)	**Channel 189 (6895MHz)**
	

Channel 213 (7015MHz)	Channel 229 (7095MHz)
	
Channel 233 (7115MHz)	
	

802.11ax-HE40 26dB Bandwidth & 99% Bandwidth	
Channel 3 (5965MHz)	Channel 51 (6205MHz)
	
Channel 91 (6405MHz)	Channel 99 (6445MHz)
	
Channel 107 (6485MHz)	Channel 115 (6525MHz)
	

Channel 123 (6565MHz)	Channel 147 (6685MHz)
	
Channel 179 (6845MHz)	**Channel 187 (6885MHz)**
	
Channel 195 (6925MHz)	**Channel 211 (7005MHz)**