RF MEASUREMENT REPORT

FCC ID	:	**2BCGWTBE400UH**
Applicant	:	**TP-LINK CORPORATION PTE. LTD.**
Application Type	:	**Certification**
Product	:	**BE6500 Wi-Fi 7 High Gain Wireless USB Adapter**
Model No.	:	**Archer TBE400UH**
Series Model No.	:	**Archer TBE6500UH**
Brand Name	:	**tp-link**
FCC Classification	:	**15E 6GHz Indoor Client (6XD)**
FCC Rule Part(s)	:	**Part 15 Subpart E (Section 15.407)**
Received Date	:	**July 9, 2024**
Test Date	:	**July 19, 2024~September 24, 2024**

Tested By : Kaunaz Lee
(Kaunaz Lee)

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
2407TW0105-U4	1.0	Original Report	2024-09-27	Valid

CONTENTS

General Information

Applicant	TP-LINK CORPORATION PTE. LTD.
Applicant Address	7 Temasek Boulevard #29-03 Suntec Tower One, Singapore 038987
Manufacturer	TP-LINK CORPORATION PTE. LTD.
Manufacturer Address	7 Temasek Boulevard #29-03 Suntec Tower One, Singapore 038987
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.

#1-1 (Conducted)

#1-2 (Radiated)

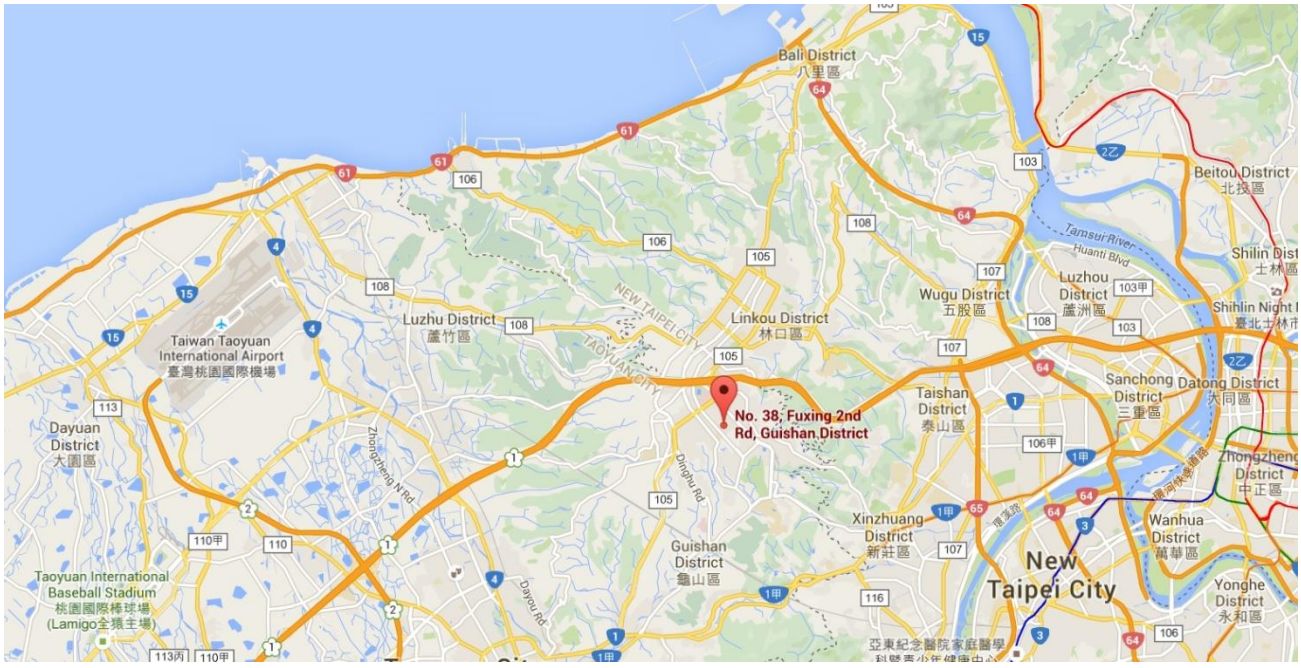
1. INTRODUCTION

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	BE6500 Wi-Fi 7 High Gain Wireless USB Adapter
Model No.	Archer TBE400UH
Series Model No.	Archer TBE6500UH
Brand Name	tp-link
Wi-Fi Specification	802.11a/b/g/n/ac/ax/be

2.2. Radio Specification

Frequency Range	For 802.11ax-HE20/be-EHT20: 5955 ~ 7095MHz For 802.11ax-HE40/be-EHT40: 5965 ~ 7085MHz For 802.11ax-HE80/be-EHT80: 5985 ~ 7025MHz For 802.11ax-HE160/be-EHT160: 6025 ~ 6985MHz
Type of Modulation	802.11ax/be: OFDMA
Data Rate	802.11ax: up to 2402Mbps 802.11be: up to 2882Mbps

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

2.3. Working Frequencies

802.11ax-HE20/be-EHT20

Channel	Frequency	Channel	Frequency	Channel	Frequency
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	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
225	7075 MHz	229	7095 MHz	--	--

802.11ax-HE40/be-EHT40

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/be-EHT80

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/be-EHT160

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	Antenna Gain (dBi)		Beamforming Directional Gain (dBi)	CDD Directional Gain (dBi)	
				Ant 0	Ant 1		For Power	For PSD
Dipole	2412 ~ 2462	2	1	2.00	1.99	5.01	2.00	5.01
	5150 ~ 5250	2	1	1.54	2.06	5.07	2.06	5.07
	5250 ~ 5350	2	1	2.04	2.12	5.13	2.12	5.13
	5470 ~ 5725	2	1	2.57	2.98	5.99	2.98	5.99
	5725 ~ 5850	2	1	2.47	3.00	6.01	3.00	6.01
	5945 ~ 6425	2	1	1.64	1.09	4.65	1.64	4.65
	5945 ~ 6425	2	2	1.64	1.09	--	1.64	1.64
	6425 ~ 6525	2	1	1.42	1.35	4.43	1.42	4.43
	6425 ~ 6525	2	2	1.42	1.35	--	1.42	1.42
	6525 ~ 6885	2	1	2.00	2.00	5.01	2.00	5.01
	6525 ~ 6885	2	2	2.00	2.00	--	2.00	2.00
	6885 ~ 7125	2	1	1.64	1.64	4.65	1.64	4.65
	6885 ~ 7125	2	2	1.64	1.64	--	1.64	1.64

Remark:

1. 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. The EUT also supports Beam Forming mode, and the Beam Forming supports 802.11ax/be, not include 802.11a/b/g/n/ac. BF Directional gain = GANT + 10 log (NANT).
3. The information as above is from the antenna report.

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

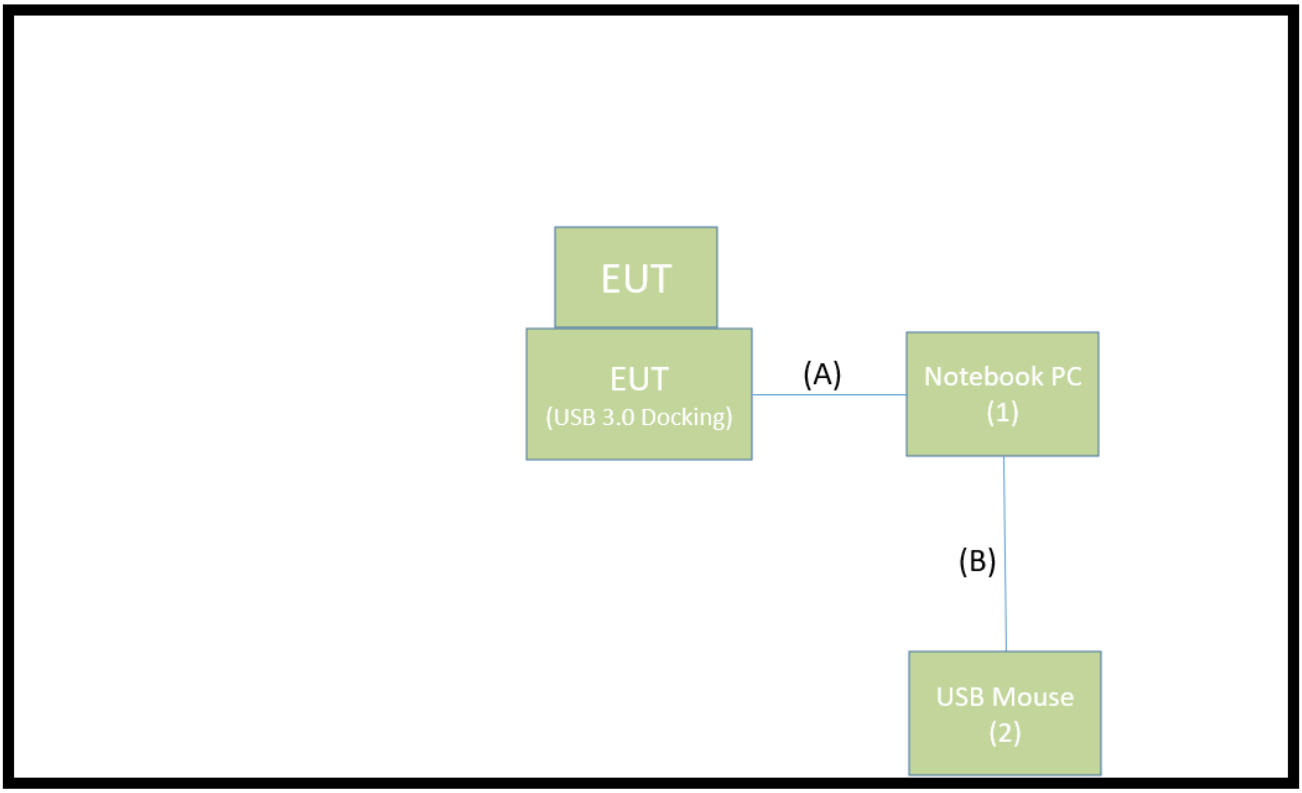
2.5. Test Mode

CDD Mode
Mode 1: Transmit by 802.11ax-HE20_Nss=1 (MCS0)
Mode 2: Transmit by 802.11ax-HE40_Nss=1 (MCS0)
Mode 3: Transmit by 802.11ax-HE80_Nss=1 (MCS0)
Mode 4: Transmit by 802.11ax-HE160_Nss=1 (MCS0)
Mode 5: Transmit by 802.11be-EHT20_Nss=1 (MCS0)
Mode 6: Transmit by 802.11be-EHT40_Nss=1 (MCS0)
Mode 7: Transmit by 802.11be-EHT80_Nss=1 (MCS0)
Mode 8: Transmit by 802.11be-EHT160_Nss=1 (MCS0)
Mode 9: Transmit by 802.11ax-HE20_Nss=2 (MCS0)
Mode 10: Transmit by 802.11ax-HE40_Nss=2 (MCS0)
Mode 11: Transmit by 802.11ax-HE80_Nss=2 (MCS0)
Mode 12: Transmit by 802.11ax-HE160_Nss=2 (MCS0)
Mode 13: Transmit by 802.11be-EHT20_Nss=2 (MCS0)
Mode 14: Transmit by 802.11be-EHT40_Nss=2 (MCS0)
Mode 15: Transmit by 802.11be-EHT80_Nss=2 (MCS0)
Mode 16: Transmit by 802.11be-EHT160_Nss=2 (MCS0)
Beamforming Mode
Mode 17: Transmit by 802.11ax-HE20_Nss=1 (MCS0)
Mode 18: Transmit by 802.11ax-HE40_Nss=1 (MCS0)
Mode 19: Transmit by 802.11ax-HE80_Nss=1 (MCS0)
Mode 20: Transmit by 802.11ax-HE160_Nss=1 (MCS0)
Mode 21: Transmit by 802.11be-EHT20_Nss=1 (MCS0)
Mode 22: Transmit by 802.11be-EHT40_Nss=1 (MCS0)
Mode 23: Transmit by 802.11be-EHT80_Nss=1 (MCS0)
Mode 24: Transmit by 802.11be-EHT160_Nss=1 (MCS0)
Remark: 1. For Radiated emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power. 2. Due to CDD mode was the worst mode, so all test items were evaluated in this report. The beamforming mode only evaluated the RF output power. 3. EUT supports one configuration only in 802.11ax/be 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	USB Cable	Shielded, 1.1m
B	USB Mouse Cable	Shielded, 1.0m

2.7. Test System Details

Product		Manufacturer	Model No.	Serial No.	Power Cord
1	Notebook PC	Lenovo	20SL	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 “RTL8922A_USB_MP”, the version is ver2.0.44.

Note: Final power setting please refer to operational description.

2.9. Applied Standards

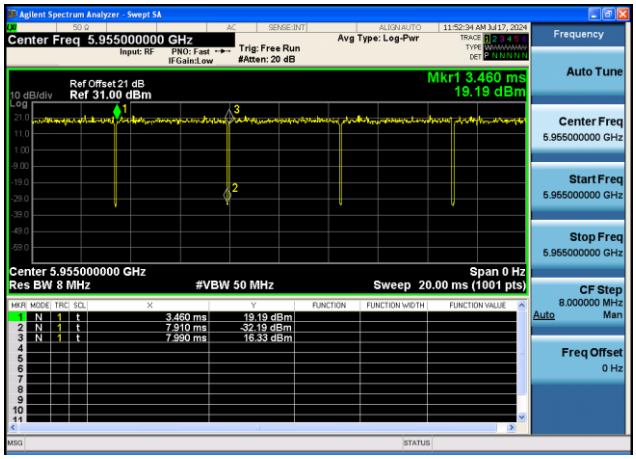
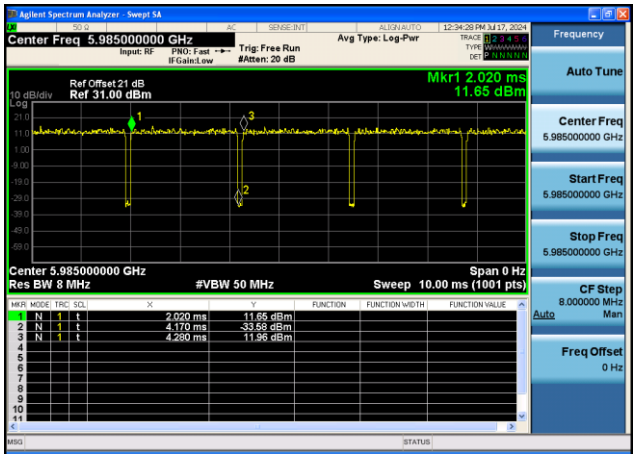
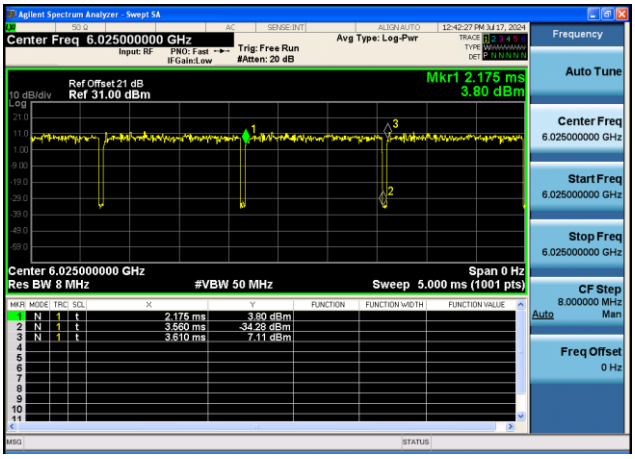
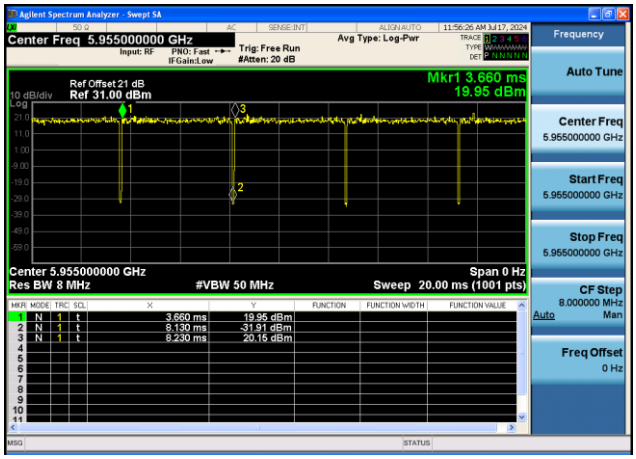
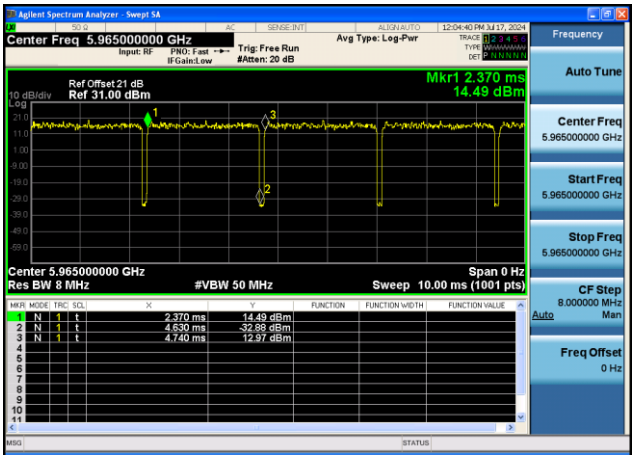
According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

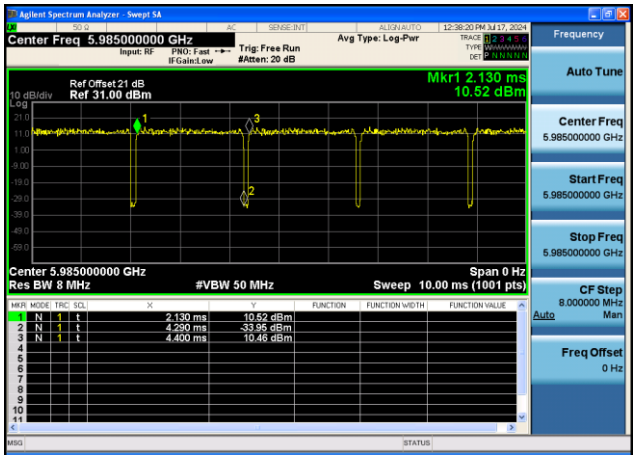
- ANSI C63.10-2013
- FCC KDB 789033 D02v02r01
- FCC KDB 987594 D02v02r01
- FCC KDB 662911 D01v02r01
- FCC KDB 414788 D01v01r01
- FCC KDB 412172 D01v01r01

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	98.23%
802.11ax-HE40	95.76%
802.11ax-HE80	95.13%
802.11ax-HE160	96.52%
802.11be-EHT20	97.81%
802.11be-EHT40	95.36%
802.11be-EHT80	95.15%
802.11be-EHT160	96.53%

Duty Cycle (T = Transmission Duration)	
802.11ax-HE20	802.11ax-HE40
	
802.11ax-HE80	802.11ax-HE160
	
802.11be-EHT20	802.11be-EHT40
	

Duty Cycle (T = Transmission Duration)	
802.11be-EHT80	802.11be-EHT160
	

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 **permanently attached.**
- There are no provisions for connection to an external antenna.

Conclusion:

The unit complies with the requirement of §15.203.

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	SCHWARZBECK	BBHA 9120D	MRTTWA00003	1 year	2025/2/28
Broadband Preamplifier	SCHWARZBECK	BBV 9718	MRTTWA00005	1 year	2025/2/28
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	FSV40	MRTTWA00007	1 year	2025/3/14
Antenna Cable	HUBERSUHNER	SF106	MRTTWE00010	1 year	2025/6/14
Cable	Rosnol	K1K50-UP0264 -K1K50-4M	MRTTWE00012	1 year	2025/6/14
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
EXA Signal Analyzer	KEYSIGHT	N9010B	MRTTWA00074	1 year	2025/8/12
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
15.407(a)(10)	26dB Bandwidth	Conducted	Pass
15.407(a)(8)	Maximum Equivalent Isotopically Radiated Power (E.I.R.P)		Pass
15.407(a)(8)	Peak Power Spectral Density (E.I.R.P)		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)(7), (8), (9)	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 of the 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

The maximum transmitter channel bandwidth for U–NII devices in the 5.925–7.125 GHz band is 320 megahertz.

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

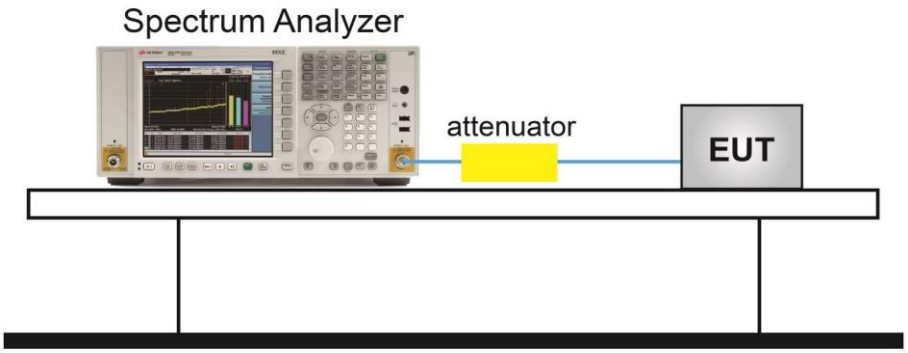
26dB Bandwidth

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 inter mediated 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



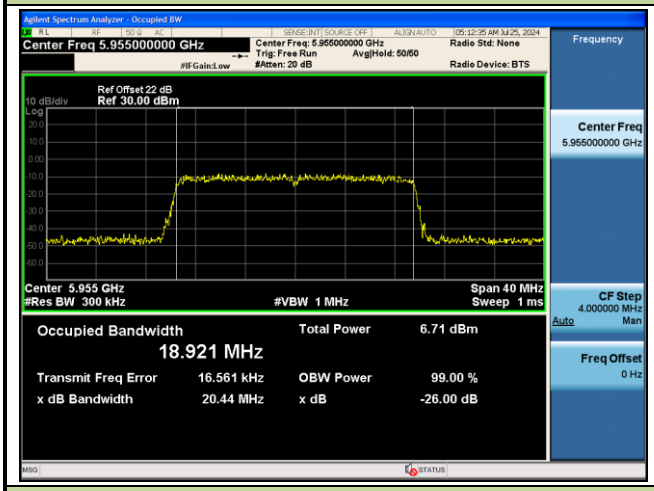
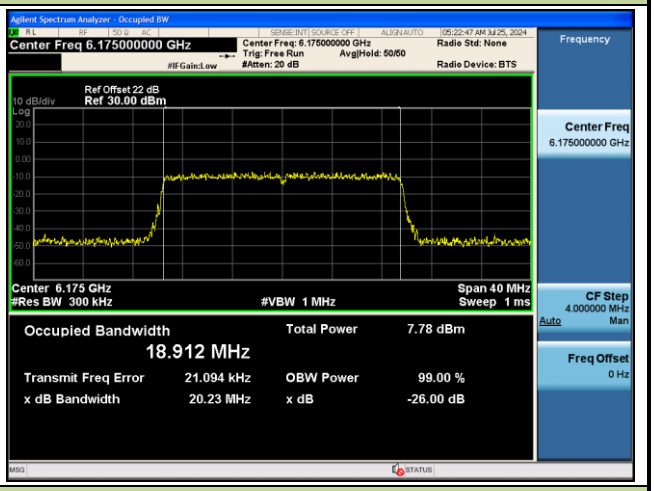
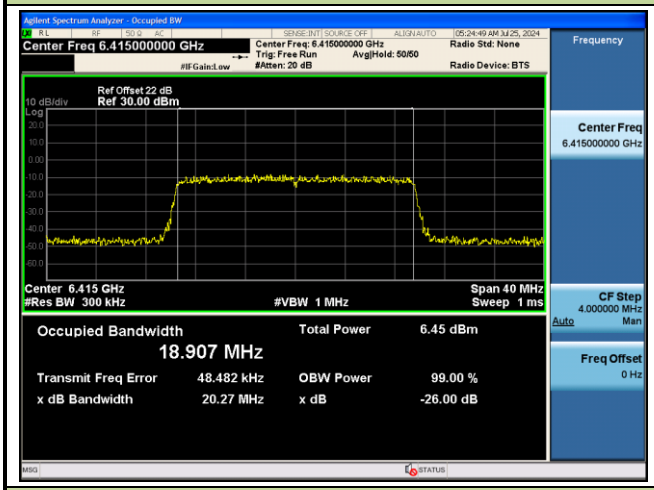
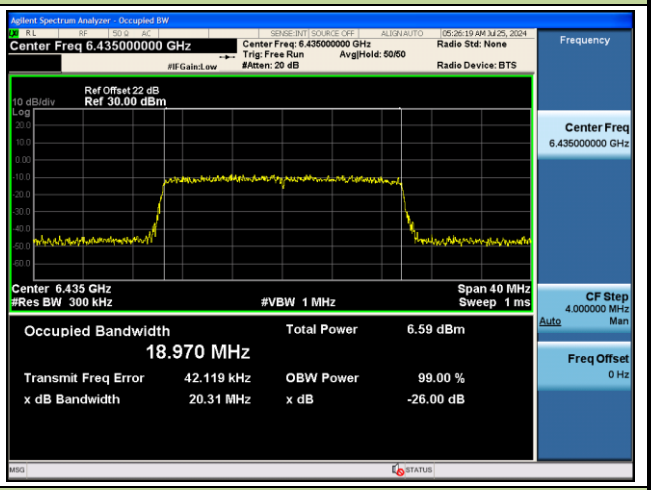
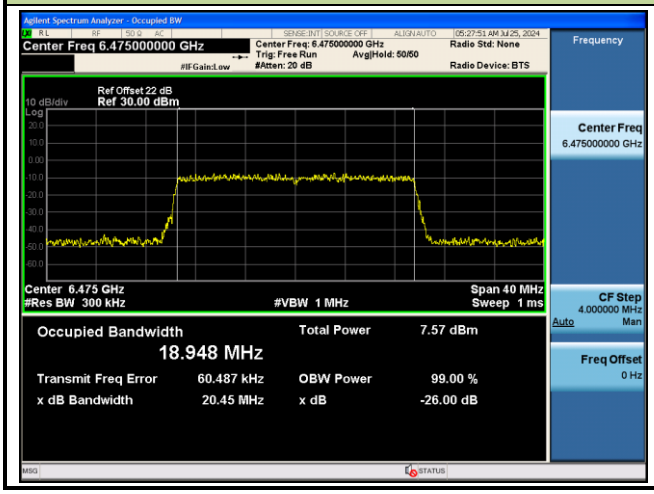
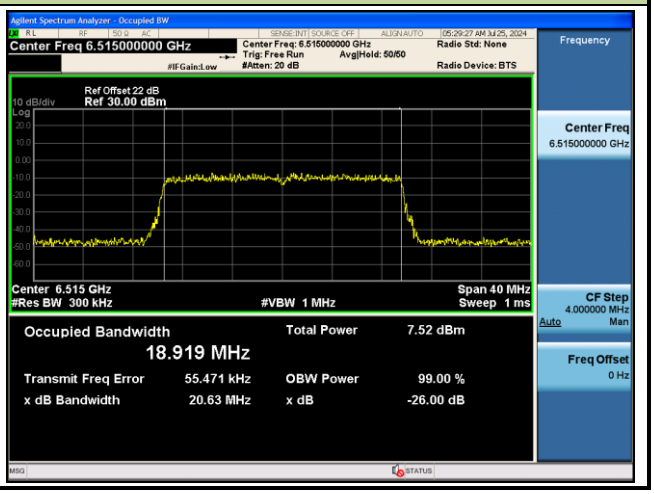
6.2.5. Test Result

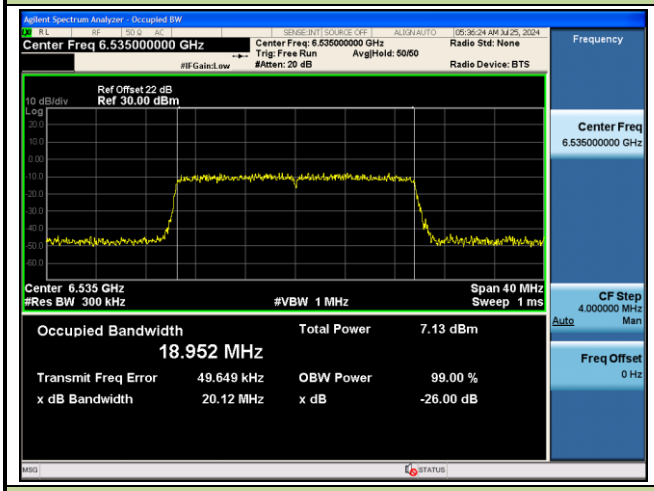
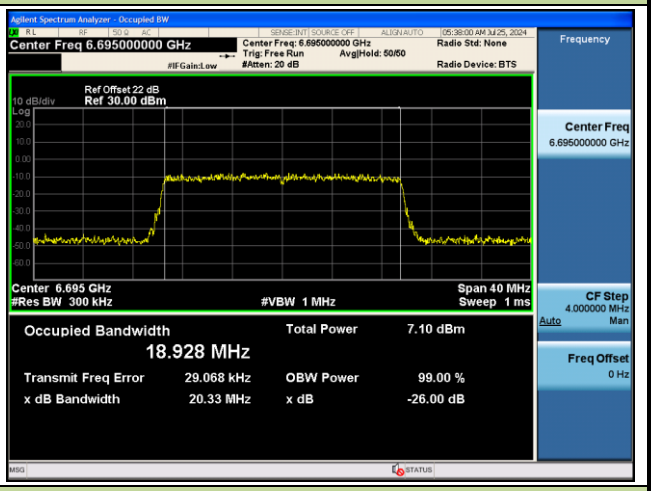
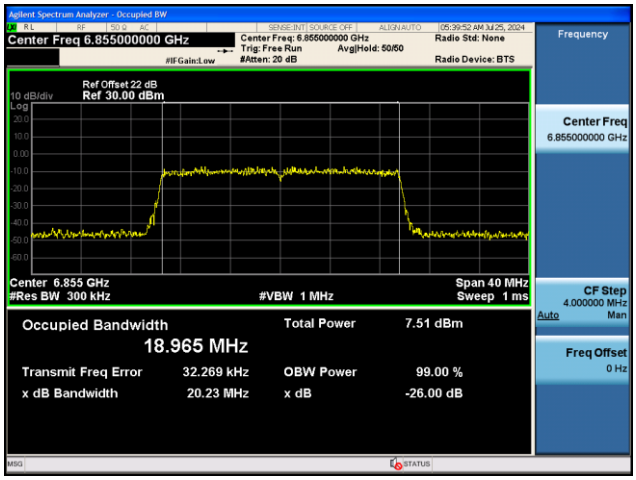
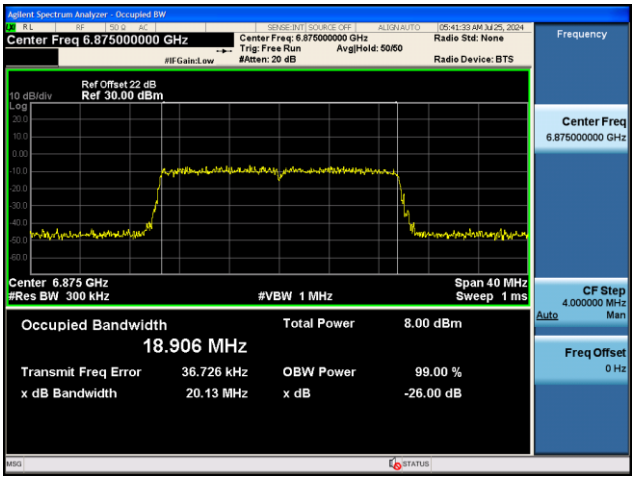
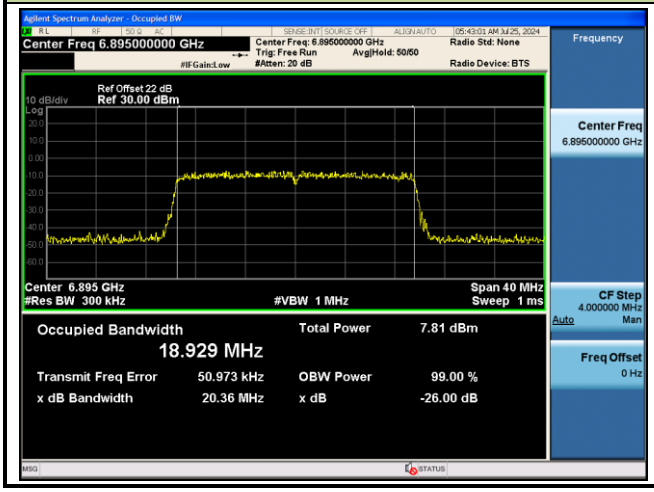
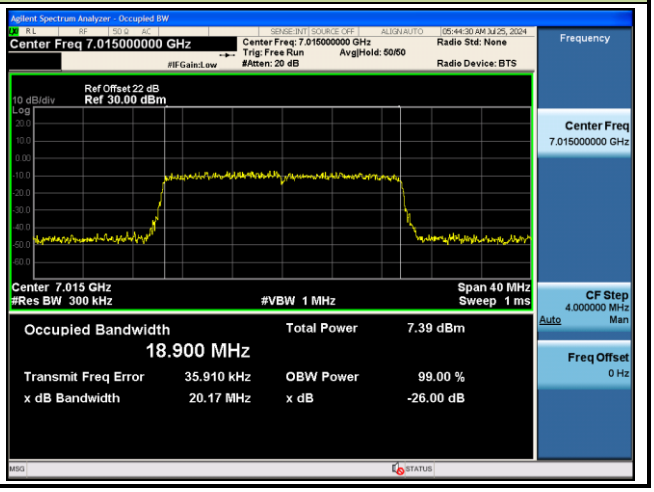
Test Site	SR6	Test Engineer	Owen
Test Date	2024/7/25		

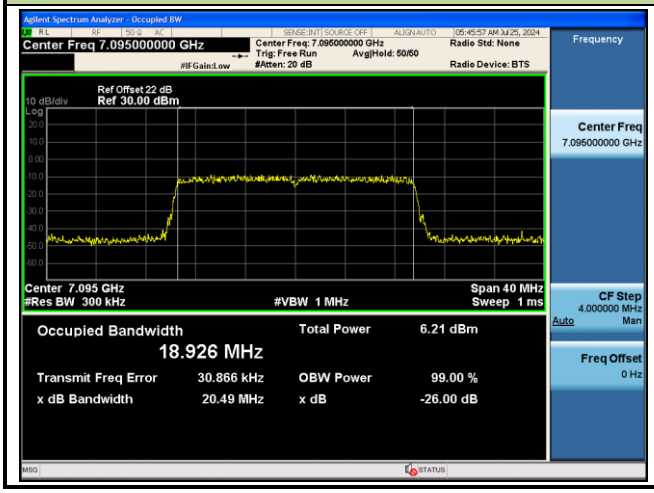
Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	Limit (MHz)
802.11ax-HE20	MCS0	1	5955	20.44	18.921	≤ 320
802.11ax-HE20	MCS0	45	6175	20.23	18.912	≤ 320
802.11ax-HE20	MCS0	93	6415	20.27	18.907	≤ 320
802.11ax-HE20	MCS0	97	6435	20.31	18.970	≤ 320
802.11ax-HE20	MCS0	105	6475	20.45	18.948	≤ 320
802.11ax-HE20	MCS0	113	6515	20.63	18.919	≤ 320
802.11ax-HE20	MCS0	117	6535	20.12	18.952	≤ 320
802.11ax-HE20	MCS0	149	6695	20.33	18.928	≤ 320
802.11ax-HE20	MCS0	181	6855	20.23	18.965	≤ 320
802.11ax-HE20	MCS0	185	6875	20.13	18.906	≤ 320
802.11ax-HE20	MCS0	189	6895	20.36	18.929	≤ 320
802.11ax-HE20	MCS0	213	7015	20.17	18.900	≤ 320
802.11ax-HE20	MCS0	229	7095	20.49	18.926	≤ 320
802.11ax-HE40	MCS0	3	5965	39.62	37.836	≤ 320
802.11ax-HE40	MCS0	43	6165	39.89	37.877	≤ 320
802.11ax-HE40	MCS0	91	6405	39.56	37.874	≤ 320
802.11ax-HE40	MCS0	99	6445	39.60	37.809	≤ 320
802.11ax-HE40	MCS0	107	6485	39.85	37.857	≤ 320
802.11ax-HE40	MCS0	115	6525	39.57	37.805	≤ 320
802.11ax-HE40	MCS0	123	6565	39.79	37.814	≤ 320
802.11ax-HE40	MCS0	147	6685	39.75	37.742	≤ 320
802.11ax-HE40	MCS0	179	6845	40.17	37.810	≤ 320
802.11ax-HE40	MCS0	187	6885	39.93	37.783	≤ 320
802.11ax-HE40	MCS0	195	6925	39.71	37.856	≤ 320
802.11ax-HE40	MCS0	211	7005	39.72	37.814	≤ 320
802.11ax-HE40	MCS0	227	7085	39.69	37.830	≤ 320

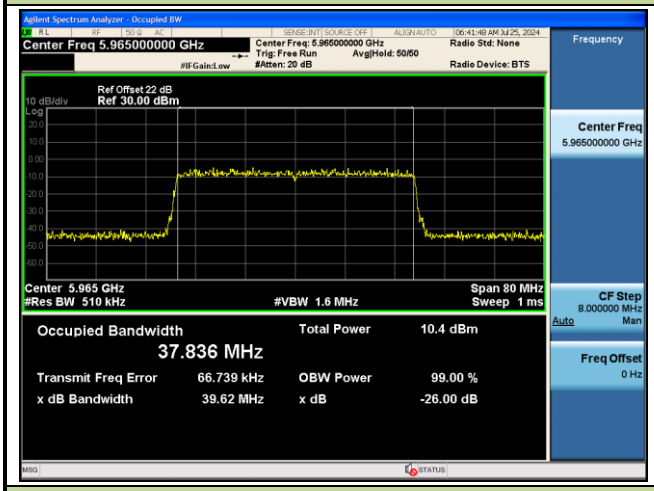
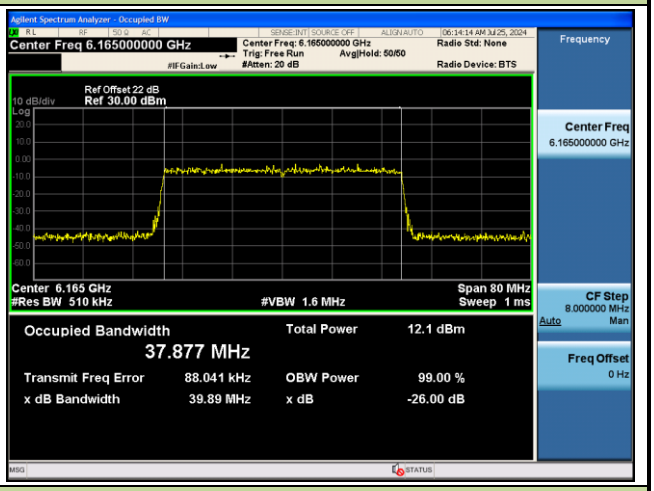
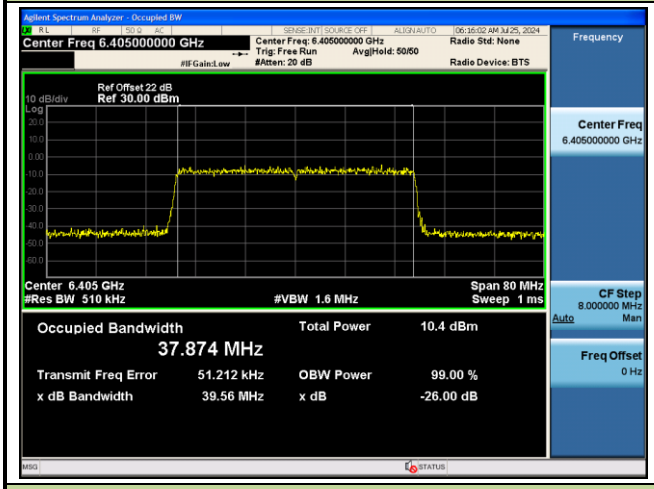
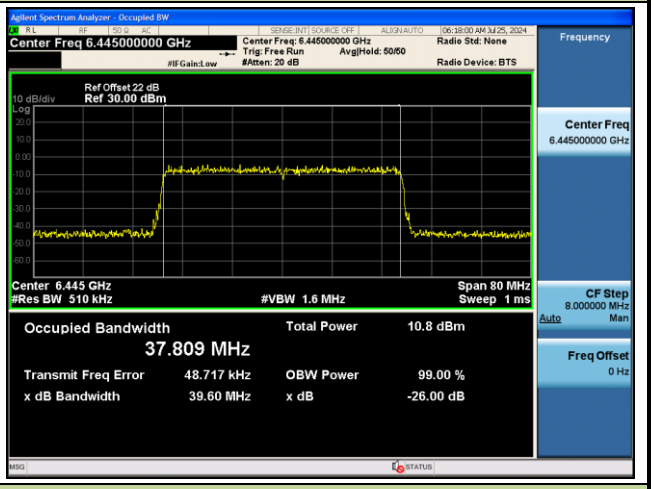
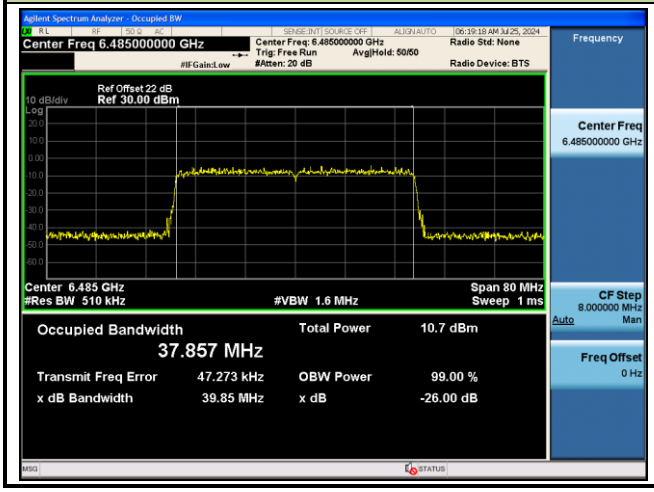
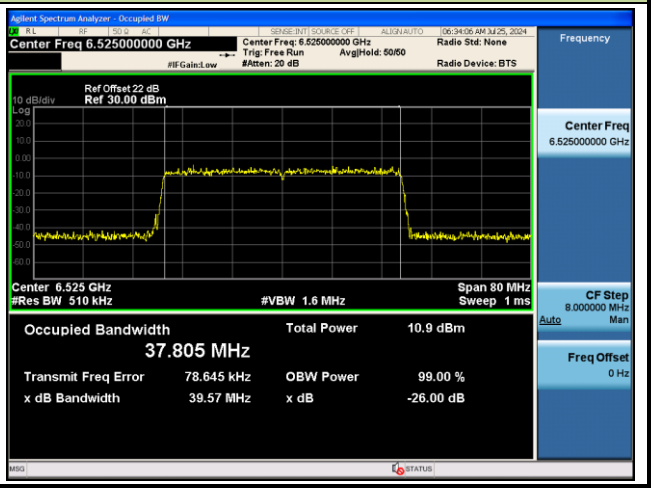
Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	Limit (MHz)
802.11ax-HE80	MCS0	7	5985	80.36	77.172	≤ 320
802.11ax-HE80	MCS0	39	6145	80.21	77.228	≤ 320
802.11ax-HE80	MCS0	87	6385	80.24	77.224	≤ 320
802.11ax-HE80	MCS0	103	6465	80.52	77.305	≤ 320
802.11ax-HE80	MCS0	119	6545	80.17	77.014	≤ 320
802.11ax-HE80	MCS0	135	6625	80.37	77.102	≤ 320
802.11ax-HE80	MCS0	151	6705	80.13	77.196	≤ 320
802.11ax-HE80	MCS0	167	6785	80.16	77.116	≤ 320
802.11ax-HE80	MCS0	183	6865	80.68	77.125	≤ 320
802.11ax-HE80	MCS0	199	6945	80.14	77.177	≤ 320
802.11ax-HE80	MCS0	215	7025	80.19	77.298	≤ 320
802.11ax-HE160	MCS0	15	6025	162.5	156.50	≤ 320
802.11ax-HE160	MCS0	47	6185	162.5	156.89	≤ 320
802.11ax-HE160	MCS0	79	6345	162.6	156.72	≤ 320
802.11ax-HE160	MCS0	111	6505	162.7	156.98	≤ 320
802.11ax-HE160	MCS0	143	6665	162.6	156.78	≤ 320
802.11ax-HE160	MCS0	175	6825	162.4	156.90	≤ 320
802.11ax-HE160	MCS0	207	6985	162.5	156.75	≤ 320
802.11be-EHT20	MCS0	1	5955	20.38	18.941	≤ 320
802.11be-EHT20	MCS0	45	6175	20.29	18.937	≤ 320
802.11be-EHT20	MCS0	93	6415	20.14	18.887	≤ 320
802.11be-EHT20	MCS0	97	6435	20.28	18.941	≤ 320
802.11be-EHT20	MCS0	105	6475	20.22	18.903	≤ 320
802.11be-EHT20	MCS0	113	6515	20.20	18.937	≤ 320
802.11be-EHT20	MCS0	117	6535	20.31	18.924	≤ 320
802.11be-EHT20	MCS0	149	6695	20.02	18.881	≤ 320
802.11be-EHT20	MCS0	181	6855	20.41	18.897	≤ 320
802.11be-EHT20	MCS0	185	6875	20.19	18.930	≤ 320
802.11be-EHT20	MCS0	189	6895	20.39	18.909	≤ 320
802.11be-EHT20	MCS0	213	7015	20.44	18.899	≤ 320
802.11be-EHT20	MCS0	229	7095	20.25	18.908	≤ 320

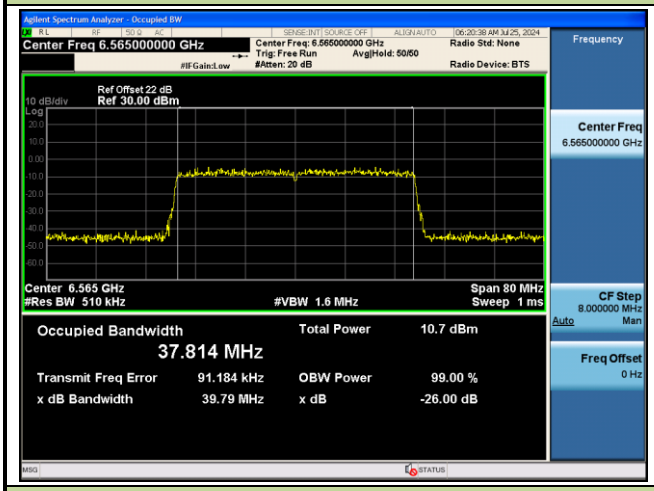
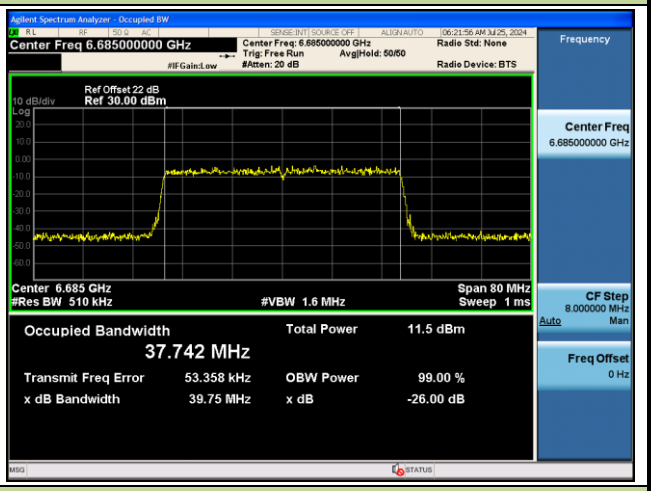
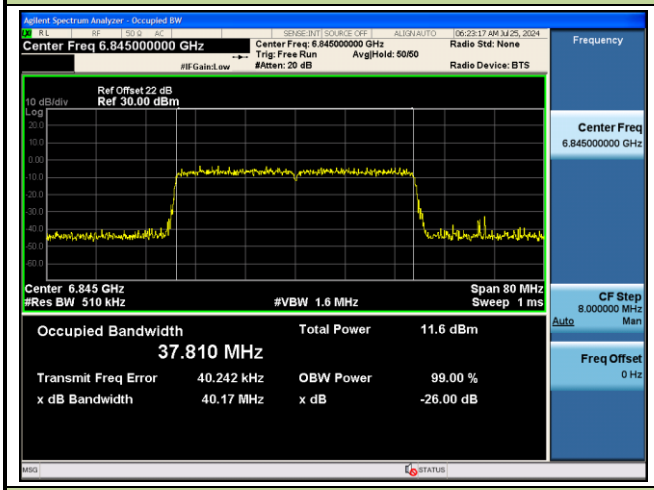
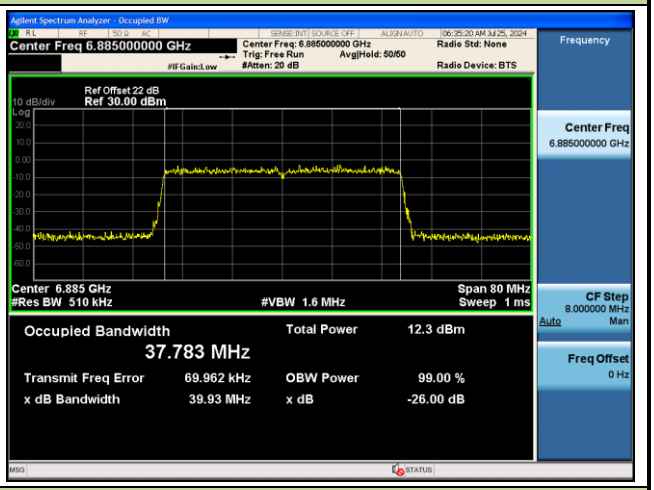
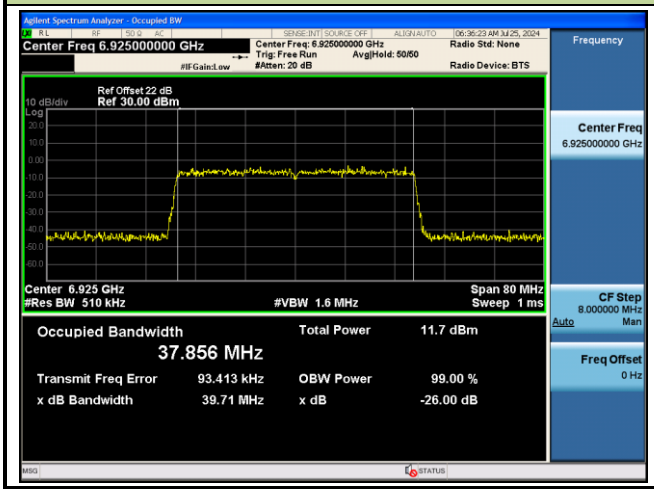
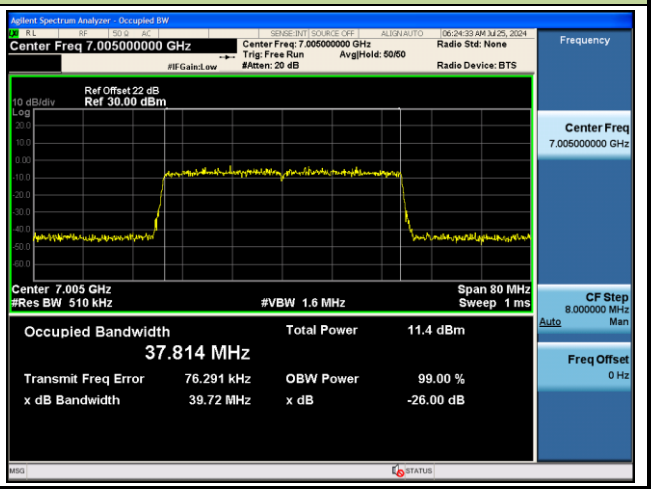
Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	Limit (MHz)
802.11be-EHT40	MCS0	3	5965	39.91	37.821	≤ 320
802.11be-EHT40	MCS0	43	6165	39.79	37.808	≤ 320
802.11be-EHT40	MCS0	91	6405	39.59	37.802	≤ 320
802.11be-EHT40	MCS0	99	6445	39.80	37.840	≤ 320
802.11be-EHT40	MCS0	107	6485	39.85	37.808	≤ 320
802.11be-EHT40	MCS0	115	6525	39.93	37.884	≤ 320
802.11be-EHT40	MCS0	123	6565	39.65	37.762	≤ 320
802.11be-EHT40	MCS0	147	6685	40.12	37.806	≤ 320
802.11be-EHT40	MCS0	179	6845	39.60	37.803	≤ 320
802.11be-EHT40	MCS0	187	6885	39.62	37.735	≤ 320
802.11be-EHT40	MCS0	195	6925	39.67	37.856	≤ 320
802.11be-EHT40	MCS0	211	7005	39.93	37.808	≤ 320
802.11be-EHT40	MCS0	227	7085	39.66	37.866	≤ 320
802.11be-EHT80	MCS0	7	5985	80.28	77.300	≤ 320
802.11be-EHT80	MCS0	39	6145	80.26	77.108	≤ 320
802.11be-EHT80	MCS0	87	6385	80.41	77.213	≤ 320
802.11be-EHT80	MCS0	103	6465	80.53	77.170	≤ 320
802.11be-EHT80	MCS0	119	6545	80.09	77.110	≤ 320
802.11be-EHT80	MCS0	135	6625	80.17	77.170	≤ 320
802.11be-EHT80	MCS0	151	6705	80.21	77.260	≤ 320
802.11be-EHT80	MCS0	167	6785	80.21	77.071	≤ 320
802.11be-EHT80	MCS0	183	6865	80.17	77.079	≤ 320
802.11be-EHT80	MCS0	199	6945	80.12	77.234	≤ 320
802.11be-EHT80	MCS0	215	7025	80.22	77.192	≤ 320
802.11be-EHT160	MCS0	15	6025	162.6	156.73	≤ 320
802.11be-EHT160	MCS0	47	6185	162.5	156.84	≤ 320
802.11be-EHT160	MCS0	79	6345	162.6	156.73	≤ 320
802.11be-EHT160	MCS0	111	6505	162.6	156.81	≤ 320
802.11be-EHT160	MCS0	143	6665	162.6	157.04	≤ 320
802.11be-EHT160	MCS0	175	6825	162.3	156.91	≤ 320
802.11be-EHT160	MCS0	207	6985	162.5	156.92	≤ 320

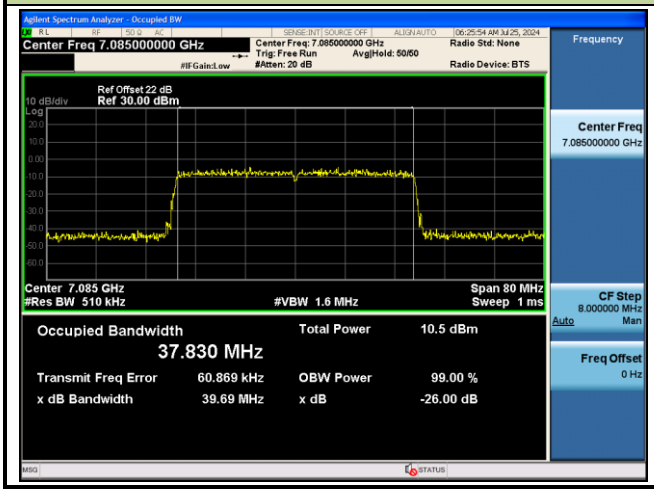
802.11ax-HE20 26dB Bandwidth & 99% Bandwidth	
Channel 01 (5955MHz)	Channel 45 (6175MHz)
	
Channel 93 (6415MHz)	Channel 97 (6435MHz)
	
Channel 105 (6475MHz)	Channel 113 (6515MHz)
	

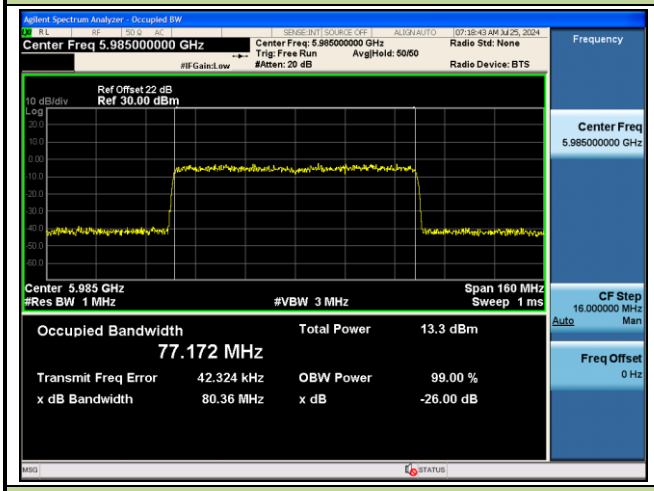
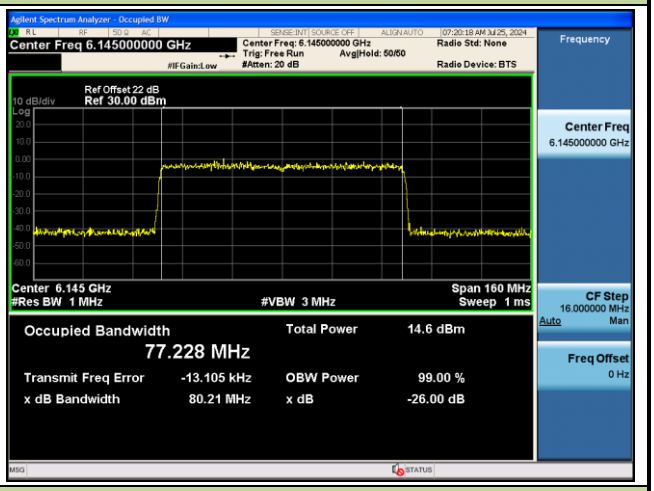
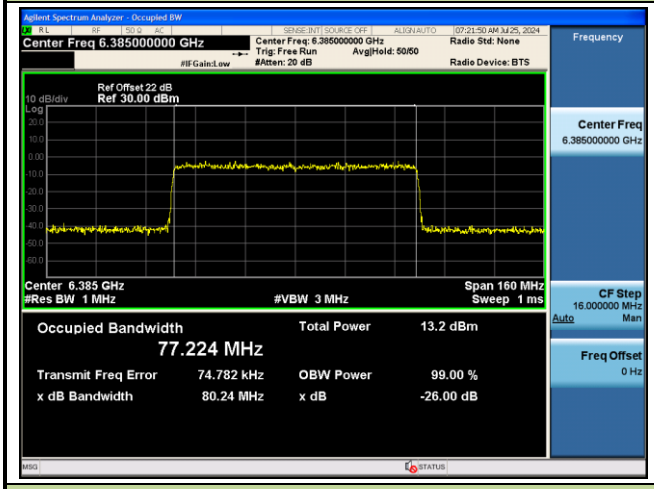
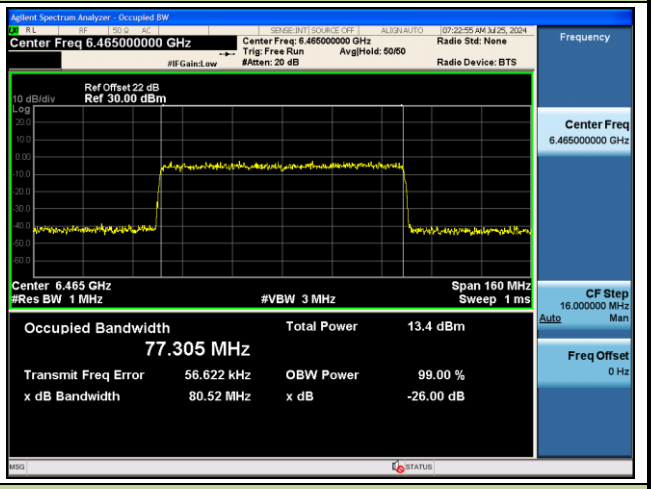
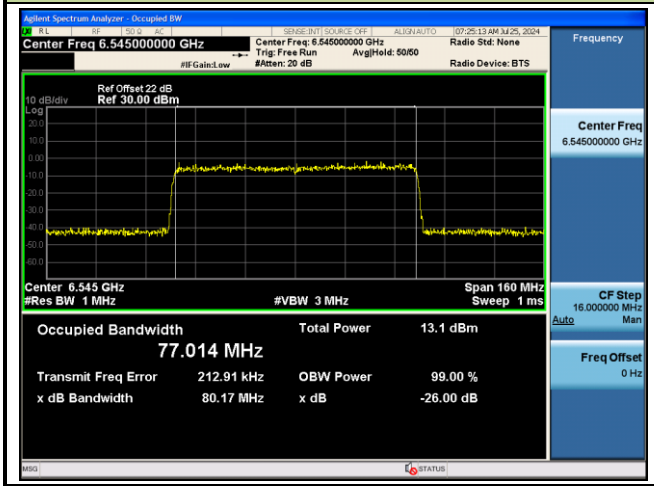
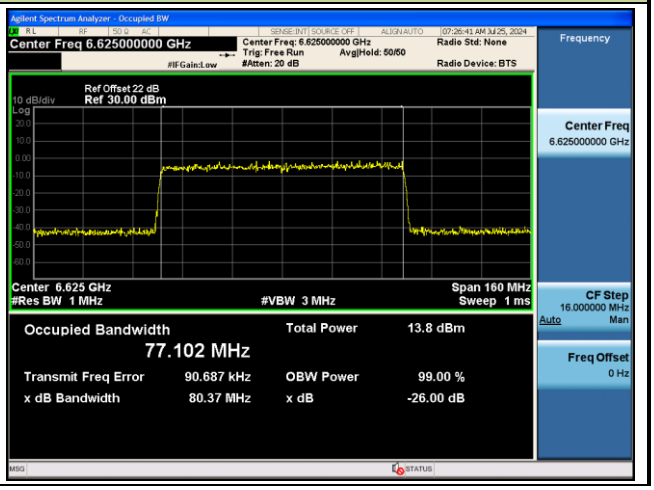
802.11ax-HE20 26dB Bandwidth & 99% Bandwidth	
Channel 117 (6535MHz)	Channel 149 (6695MHz)
	
Channel 181 (6855MHz)	Channel 185 (6875MHz)
	
Channel 189 (6895MHz)	Channel 213 (7015MHz)
	

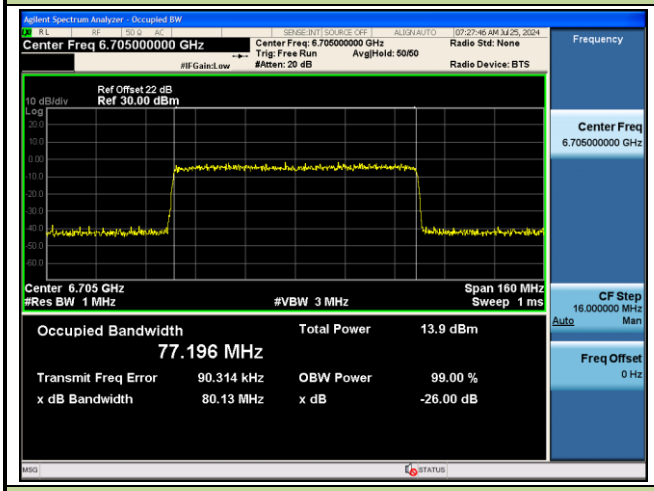
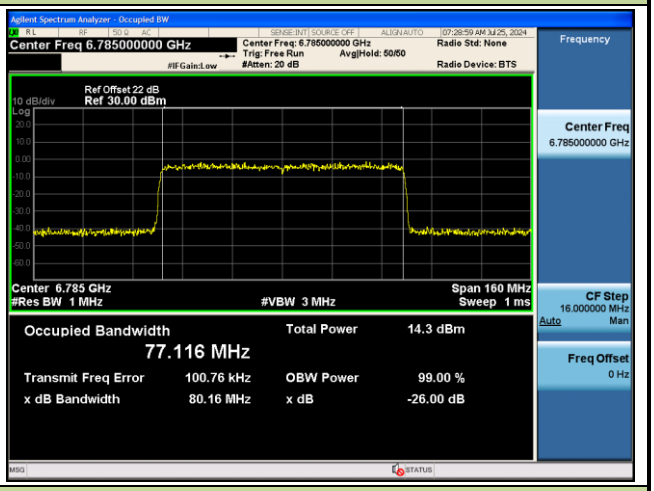
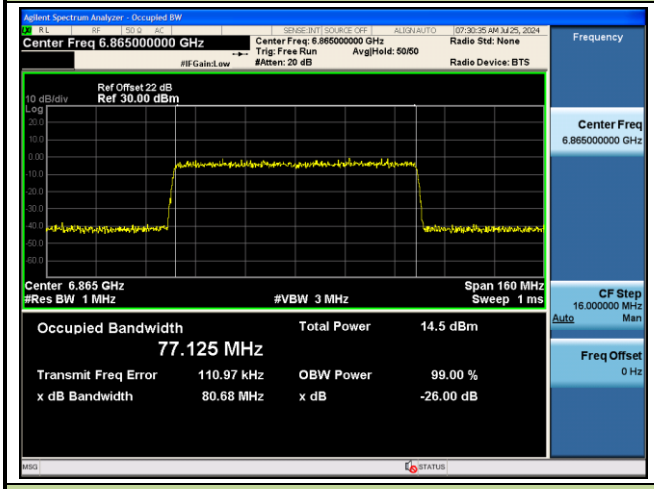
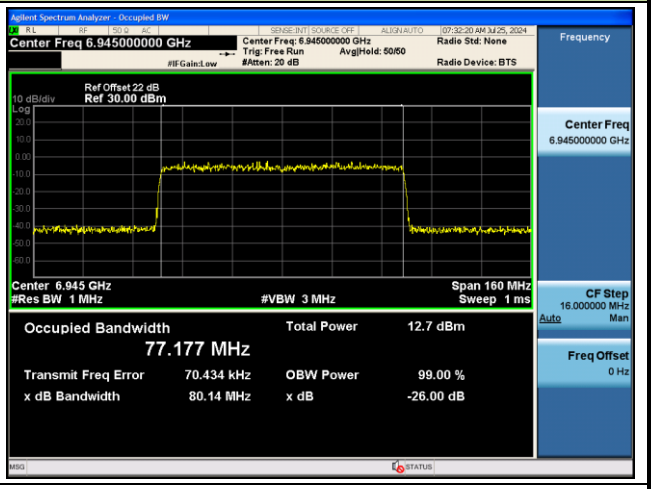
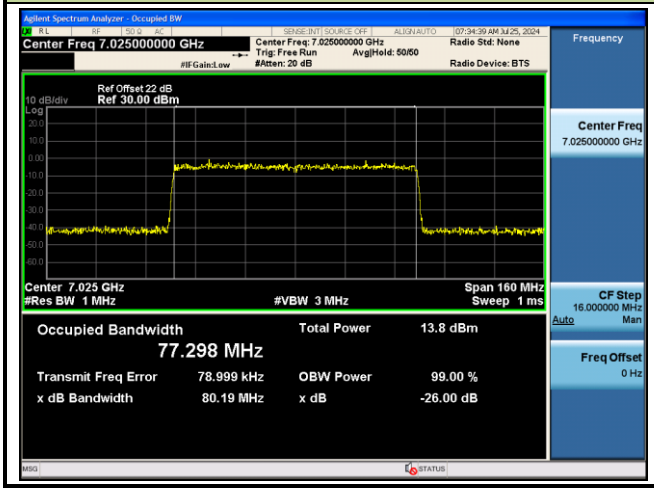
802.11ax-HE20 26dB Bandwidth & 99% Bandwidth	
Channel 229 (7095MHz)	
	

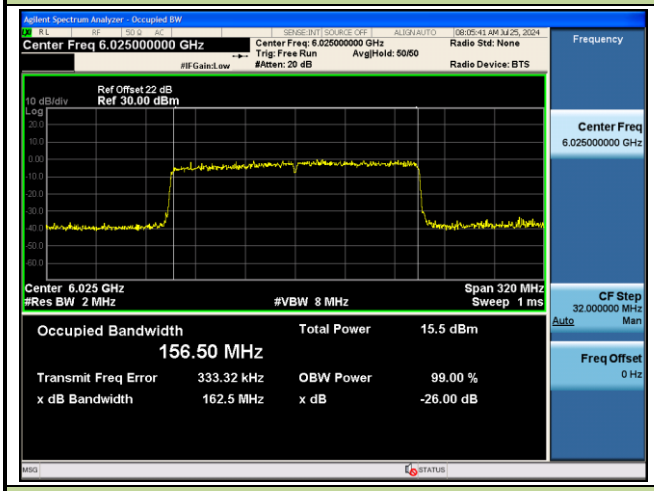
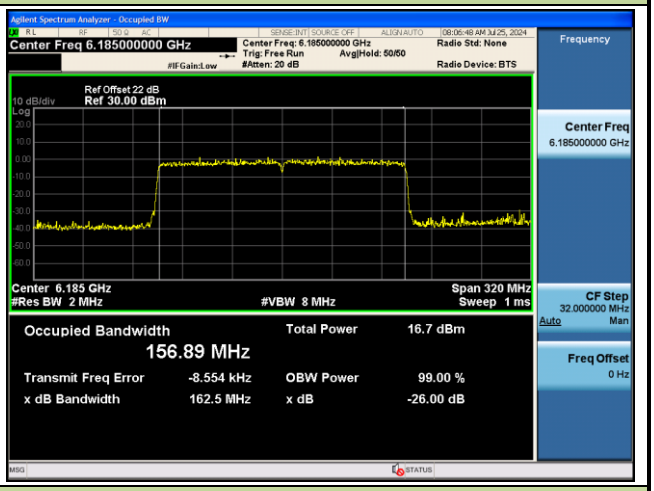
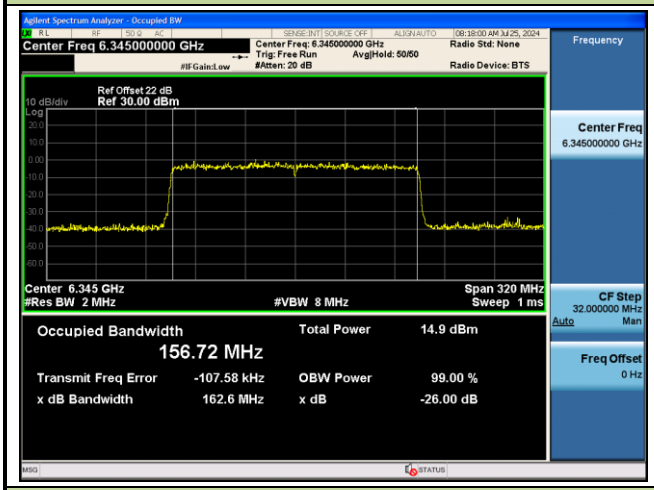
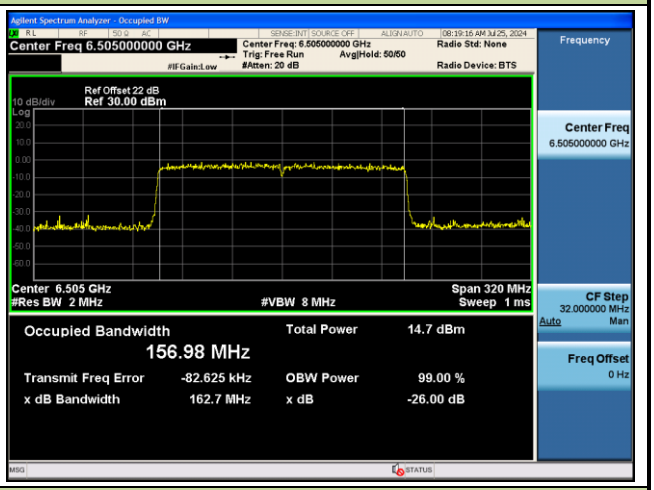
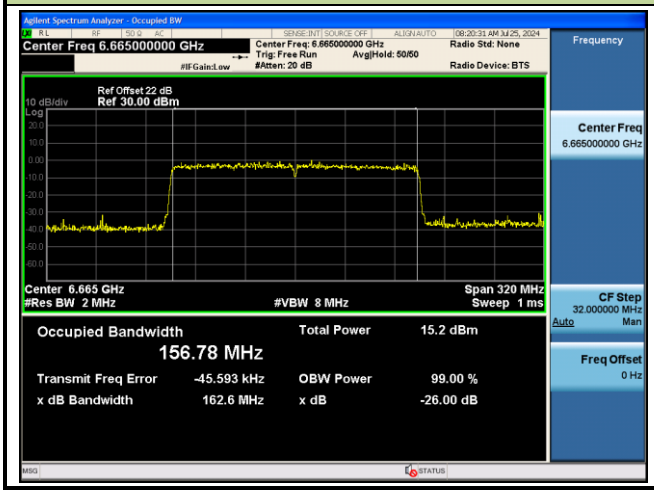
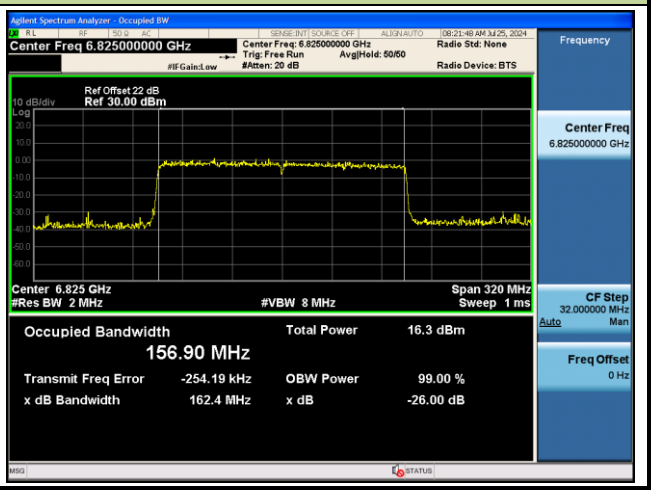
802.11ax-HE40 26dB Bandwidth & 99% Bandwidth	
Channel 03 (5965MHz)	Channel 43 (6165MHz)
	
Channel 91 (6405MHz)	Channel 99 (6445MHz)
	
Channel 107 (6485MHz)	Channel 115 (6525MHz)
	

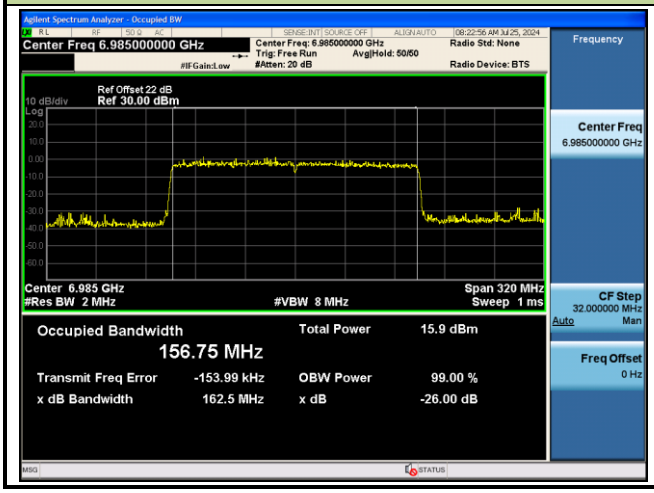
802.11ax-HE40 26dB Bandwidth & 99% Bandwidth	
Channel 123 (6565MHz)	Channel 147 (6685MHz)
	
Channel 179 (6845MHz)	Channel 187 (6885MHz)
	
Channel 195 (6925MHz)	Channel 211 (7005MHz)
	

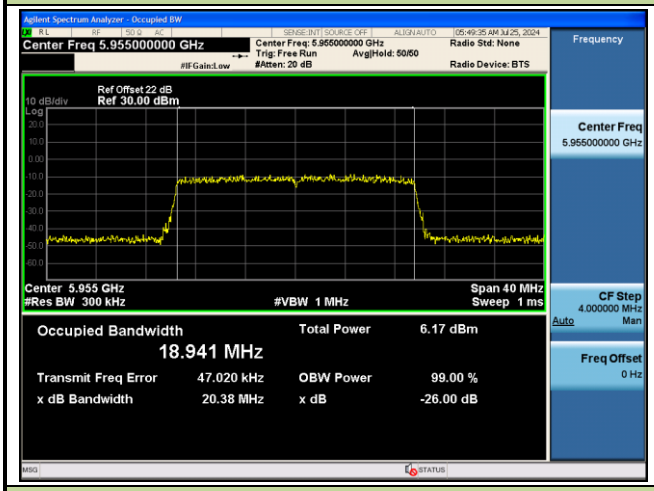
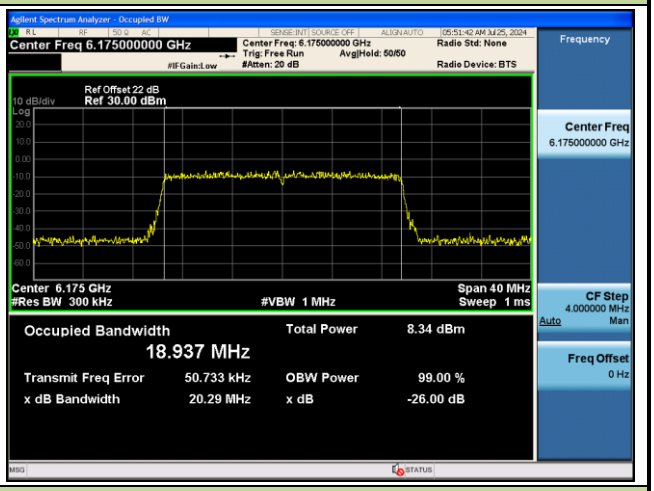
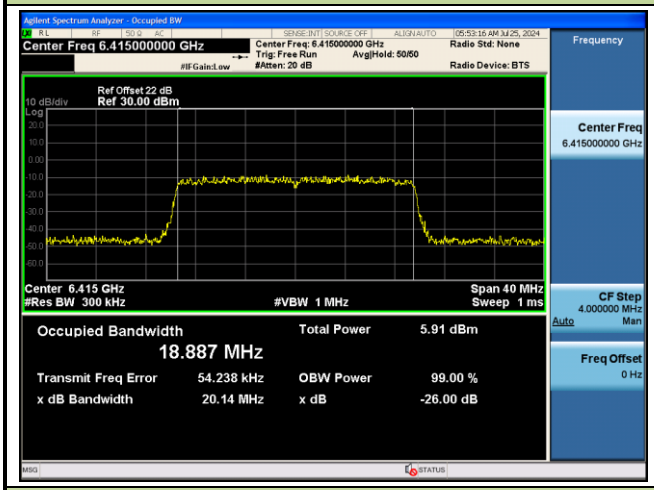
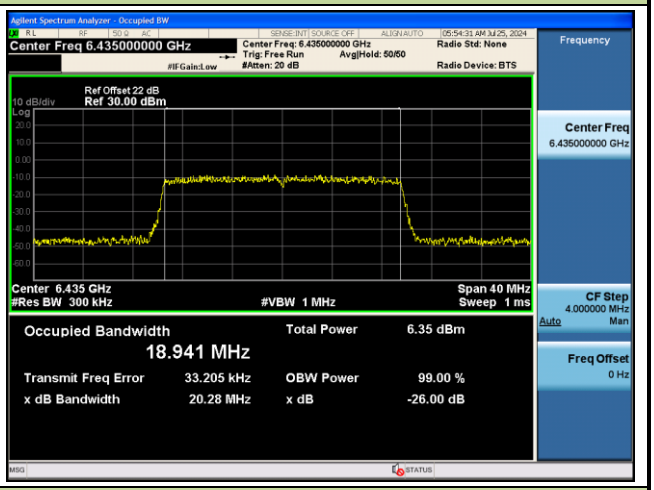
802.11ax-HE40 26dB Bandwidth & 99% Bandwidth	
Channel 227 (7085MHz)	
	

802.11ax-HE80 26dB Bandwidth & 99% Bandwidth	
Channel 07 (5985MHz)	Channel 39 (6145MHz)
	
Channel 87 (6385MHz)	Channel 103 (6465MHz)
	
Channel 119 (6545MHz)	Channel 135 (6625MHz)
	

802.11ax-HE80 26dB Bandwidth & 99% Bandwidth	
Channel 151 (6705MHz)	Channel 167 (6785MHz)
	
Channel 183 (6865MHz)	Channel 199 (6945MHz)
	
Channel 215 (7025MHz)	
	

802.11ax-HE160 26dB Bandwidth & 99% Bandwidth	
Channel 15 (6025MHz)	Channel 47 (6185MHz)
	
Channel 79 (6345MHz)	Channel 111 (6505MHz)
	
Channel 143 (6665MHz)	Channel 175 (6825MHz)
	

802.11ax-HE160 26dB Bandwidth & 99% Bandwidth	
Channel 207 (6985MHz)	
	

802.11be-EHT20 26dB Bandwidth & 99% Bandwidth	
Channel 01 (5955MHz)	Channel 45 (6175MHz)
	
Channel 93 (6415MHz)	Channel 97 (6435MHz)
	
Channel 105 (6475MHz)	Channel 113 (6515MHz)