

**ELECTROMAGNETIC EMISSIONS
COMPLIANCE REPORT**

EUT Description: COREXOM
Applicant: Coretronic Reality Inc.
15F., No 225, Sec.3, Beixin Rd., Xindian Dist. New Taipei
City, Taiwan 231
Manufacturer: Coretronic Reality Inc.
No. 5, Wenhua Rd., Fengshan Vil., Hukou Township, Hsinchu
County 303035, Taiwan (R.O.C.)
Brand Name: Coretronic Reality Inc.
Model No. R6490WGQ
Family Model No. R6490Q, R5430WGQ, R5430Q
Model Difference: Refer to section 1.2
Report Number: TERF2506002023E2
FCC ID 2BPQQ-R6490WGQ
Date of EUT Received: June 17, 2025
Date of Test: June 20, 2025 ~ September 03, 2025
Issue Date: January 12, 2026

Approved By**Arno Hsieh****We hereby certify that:**

The above equipment was tested by SGS Taiwan Ltd. Central RF Lab The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 and the energy emitted by the sample EUT comply with FCC rule part §15.407.
The results of this report relate only to the sample identified in this report.

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Revision History

Report Number	Revision	Description	Issue Date	Revised By	Remark
TERF2506002023E2	00	Original	October 29, 2025	Yuri Tsai	
TERF2506002023E2	01	Update applicant information	November 25, 2025	Yuri Tsai	*
TERF2506002023E2	02	Update section 7.6	January 12, 2026	Yuri Tsai	*

Note:

- 1、The remark "*" indicates modification of the report upon requests from certification body.
- 2、Variant information of model numbers is provided by the applicant, test results of this report are applicable to the sample EUT(s) received.
And are assessed as electrically identical in RF characteristics, therefore, no further assessment required for the variant(s).

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7.4	In-Band Emission	178
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1 GENERAL INFORMATION

1.1 Product Description

EUT Description	COREXOM
Brand Name	Coretronic Reality Inc.
Model No.	R6490WGQ
Family Model No.	R6490Q, R5430WGQ, R5430Q
Hardware Version	N/A
Firmware Version	Android13
EUT Series No.	a607e351
Power Supply	3.8 Vdc
Test Software (Name/Version)	QRCT Version 4.0.00204.0

1.2 Model Difference

Model	Difference
R6490WGQ	With BT+Wi-Fi/GPS, Memory : uMCP 8GB LPDDR4X+128GB UFS
R6490Q	Without BT+Wi-Fi/GPS, Memory : uMCP 8GB LPDDR4X+128GB UFS
R5430WGQ	With BT+Wi-Fi/GPS, Memory : uMCP 4GB LPDDR4X+64GB UFS
R5430Q	Without BT+Wi-Fi/GPS, , Memory : uMCP 4GB LPDDR4X+64GB UFS

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1.3 Modulation & Data Rate

Modulation type:	64QAM, 16QAM, QPSK, BPSK for OFDM in 802.11a, 11n
	256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDM in 802.11ac
	1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDMA in 802.11ax
Transition Rate:	802.11a: 6 - 54 Mbps
	802.11n_HT20: up to 144.4 Mbps
	802.11n_HT40: up to 300 Mbps
	802.11ac_VHT20: up to 173.4 Mbps
	802.11ac_VHT40: up to 400 Mbps
	802.11ac_VHT80: up to 866.6 Mbps
	802.11ac_VHT160: up to 1733.4 Mbps
	802.11ax_HE20: up to 286.8 Mbps
	802.11ax_HE40: up to 573.6 Mbps
	802.11ax_HE80: up to 1201 Mbps
	802.11ax_HE160: up to 2402 Mbps

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1.4 Antenna Designation

Antenna Type	Ch0 / Ch1	Freq. (MHz)	Peak Gain(dBi)
Dipole	Ch0	5925~6425 6425~6525 6525~6875 6875~7125	7
Dipole	Ch1	5925~6425 6425~6525 6525~6875 6875~7125	7

Note:

1. Pre-scanned was done on the above antennas, measurements were demonstrated by using the antenna with the highest gain as the worst case scenarios.
2. The antenna information is provided by the applicant. The laboratory does not verify the accuracy of this information, and all test results related to antenna characteristics are based solely on the data supplied. Responsibility for the authenticity and accuracy of these specifications rests entirely with the party who provided the information.
3. The antenna complies with part 15.203 requirement and no consideration of replacement. Please see EUT photo for details.
4. The directional gain is calculated according to section F. 2). e). (ii) of FCC KDB 662911 D01.

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1.5 Rated Power

WLAN 6E

Mode	Frequency Range	Channels	Rated Power(Avg) (dBm) (Worst Case)
802.11a/ 802.11n_HT20/ 802.11ac_VHT20	5955~6415	24	12.47 dBm
	6435~6515	5	12.39 dBm
	6535~6875	18	12.32 dBm
	6895~7115	12	11.20 dBm
802.11n_HT40/ 802.11ac_VHT40	5965~6405	12	10.16 dBm
	6445~6525	3	9.91 dBm
	6565~6845	8	10.71 dBm
	6885~7085	6	10.30 dBm
802.11ac_VHT80	5985~6385	6	13.73 dBm
	6465	1	13.21 dBm
	6545~6865	5	13.99 dBm
	6945~7025	2	12.80 dBm
802.11ac_VHT160	6025~6345	3	16.51 dBm
	6505	1	15.75 dBm
	6665~6825	2	16.54 dBm
	6985	1	15.93 dBm

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WLAN 6E

Mode	Frequency Range	Channels	Rated Power(Avg) (dBm) (Worst Case)
802.11ax_HE20	5955~6415	24	7.31 dBm
	6435~6515	5	6.85 dBm
	6535~6875	18	7.47 dBm
	6895~7115	12	7.32 dBm
802.11ax_HE40	5965~6405	12	10.09 dBm
	6445~6525	3	9.86 dBm
	6565~6845	8	10.63 dBm
	6885~7085	6	10.17 dBm
802.11ax_HE80	5985~6385	6	13.66 dBm
	6465	1	13.13 dBm
	6545~6865	5	13.93 dBm
	6945~7025	2	12.73 dBm
802.11ax_HE160	6025~6345	3	16.32 dBm
	6505	1	15.59 dBm
	6665~6825	2	16.34 dBm
	6985	1	15.81 dBm

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1.6 Operating Frequencies

UNII-5 5925~6425 MHz

20MHz				40MHz		80MHz		160MHz	
CH	Freq. (MHz)	CH	Freq. (MHz)	CH	Freq. (MHz)	CH	Freq. (MHz)	CH	Freq. (MHz)
1	5955	49	6195	3	5965	7	5985	15	6025
5	5975	53	6215	11	6005	23	6065	47	6185
9	5995	57	6235	19	6045	39	6145	79	6345
13	6015	61	6255	27	6085	55	6225		
17	6035	65	6275	35	6125	71	6305		
21	6055	69	6295	43	6165	87	6385		
25	6075	73	6315	51	6205				
29	6095	77	6335	59	6245				
33	6115	81	6355	67	6285				
37	6135	85	6375	75	6325				
41	6155	89	6395	83	6365				
45	6175	93	6415	91	6405				

UNII-6 6425~6525 MHz

20MHz		40MHz		80MHz		160MHz	
CH	Freq. (MHz)	CH	Freq. (MHz)	CH	Freq. (MHz)	CH	Freq. (MHz)
97	6435	99	6445	103	6465	111	6505
101	6455	107	6485				
105	6475	115	6525				
109	6495						
113	6515						

UNII-7 6525~6875 MHz

20MHz				40MHz		80MHz		160MHz	
CH	Freq. (MHz)	CH	Freq. (MHz)	CH	Freq. (MHz)	CH	Freq. (MHz)	CH	Freq. (MHz)
117	6535	153	6715	123	6565	119	6545	143	6665
121	6555	157	6735	131	6605	135	6625	175	6825
125	6575	161	6755	139	6645	151	6705		
129	6595	165	6775	147	6685	167	6785		
133	6615	169	6795	155	6725	183	6865		
137	6635	173	6815	163	6765				
141	6655	177	6835	171	6805				
145	6675	181	6855	179	6845				
149	6695	185	6875						

UNII-8 6875~7125 MHz

20MHz		40MHz		80MHz		160MHz	
CH	Freq. (MHz)	CH	Freq. (MHz)	CH	Freq. (MHz)	CH	Freq. (MHz)
189	6895	187	6885	199	6945	207	6985
193	6915	195	6925	215	7025		
197	6935	203	6965				
201	6955	211	7005				
205	6975	219	7045				
209	6995	227	7085				
213	7015						
217	7035						
221	7055						
225	7075						
229	7095						
233	7115						

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1.7 EUT Availability and The Worst Test Modes

1. The EUT has been tested under operating condition.
2. Test program used to control the EUT for staying in continuous transmitting mode is programmed.
3. Investigation has been done on all the possible configurations for searching the worst case.

The given UE is pre-scanned among below modes.

Mode		Transmission Chain								Single Transmission Spatial		Multiple Transmission Spatial	
V	802.11 a	V	Ch0	V	Ch1		Ch2		Ch3	V	1TX		2TX
V	802.11 n	V	Ch0	V	Ch1		Ch2		Ch3		1TX	V	2TX
V	802.11 ac	V	Ch0	V	Ch1		Ch2		Ch3		1TX	V	2TX
V	802.11 ax	V	Ch0	V	Ch1		Ch2		Ch3		1TX	V	2TX
	802.11 be		Ch0		Ch1		Ch2		Ch3		1TX		2TX

4. Therefore, below summary is the modes of test configuration that yield the highest reading and generate the highest emission chosen to carry out the relevantly mandatory test items.

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CONDUCTED TEST						
MODE	FREQUENCY BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	ANTENNA PORT
802.11a	5955~6415	1 to 93	1,45,93	OFDM	6	ch1
	6435~6515	97 to 113	97,105,113			
	6535~6875	117 to 185	117,149,181,185			
	6895~7115	189 to 233	189,209,233			
802.11n_HT20	5955~6415	1 to 93	1,45,93	OFDM	MCS0	2TX
	6435~6515	97 to 113	97,105,113			
	6535~6875	117 to 185	117,149,181,185			
	6895~7115	189 to 233	189,209,233			
802.11n_HT40	5965~6405	3 to 91	3,43,91	OFDM	MCS0	2TX
	6445~6525	99 to 115	99,107,115			
	6565~6845	123 to 179	123,147,179			
	6885~7085	187 to 227	187,195,211,227			
802.11ac_VHT80	5985~6385	7 to 87	7,39,87	OFDM	MCS0	2TX
	6465	103	103			
	6545~6865	119 to 183	119,135,151,167,183			
	6945~7025	199 to 215	199,215			
802.11ac_VHT160	6025~6345	15 to 79	15,47,79	OFDM	MCS0	2TX
	6505	111	111			
	6665~6825	143 to 175	143,175			
	6985	207	207			

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CONDUCTED TEST							
MODE	FREQUENCY BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	RU CONFIGURATION	DATA RATE (Mbps)	ANTENNA PORT
802.11ax_HE20	5955~6415	1 to 93	1,45,93	OFDMA	FULL RU 26/0,26/8 52/37,52/40 106/53,106/54	MCS0	2TX
	6435~6515	97 to 113	97,105,113				
	6535~6875	117 to 185	117,149,181,185				
	6895~7115	189 to 233	189,209,233				
802.11ax_HE40	5965~6405	3 to 91	3,43,91	OFDMA	FULL RU 242/61,242/62	MCS0	2TX
	6445~6525	99 to 115	99,107,115				
	6565~6845	123 to 179	123,147,179				
	6885~7085	187 to 227	187,195,211,227				
802.11ax_HE80	5985~6385	7 to 87	7,39,87	OFDMA	FULL RU 484/65,484/66	MCS0	2TX
	6465	103	103				
	6545~6865	119 to 183	119,135,151,167,183				
	6945~7025	199 to 215	199,215				
802.11ax_HE160	6025~6345	15 to 79	15,47,79	OFDMA	FULL RU 484/65,484/66	MCS0	2TX
	6505	111	111				
	6665~6825	143 to 175	143,175				
	6985	207	207				

TRANSMIT RADIATED EMISSION TEST (BELOW 1 GHz)						
MODE	FREQUENCY BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	ANTENNA PORT
802.11a	5955~6415	1 to 93	45	OFDM	6	Ch0
	6435~6515	97 to 113	105	OFDM		
	6535~6875	117 to 185	149	OFDM		
	6895~7115	189 to 233	209	OFDM		

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TRANSMIT RADIATED EMISSION TEST (ABOVE 1 GHz)						
MODE	FREQUENCY BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	ANTENNA PORT
802.11a	5955~6415	1 to 93	1,45,93	OFDM	6	Ch0
	6435~6515	97 to 113	97,105,113	OFDM		
	6535~6875	117 to 185	117,149,181	OFDM		
	6895~7115	189 to 233	185,189,209,233	OFDM		
802.11n20	5955~6415	1 to 93	1,45,93	OFDM	MCS0	2TX
	6435~6515	97 to 113	97,105,113	OFDM		
	6535~6875	117 to 185	117,149,181	OFDM		
	6895~7115	189 to 233	185,189,209,233	OFDM		
802.11ac40	5955~6415	1 to 93	3,43,91	OFDM	MCS0	2TX
	6435~6515	97 to 113	99,107	OFDM		
	6535~6875	117 to 185	115,147,179	OFDM		
	6895~7115	189 to 233	187,195,211,227	OFDM		
802.11ac80	5985~6385	7 to 87	7,39,87	OFDM	MCS0	2TX
	6465	103	103	OFDM		
	6545~6865	119 to 183	119,135,151,167,183	OFDM		
	6945~7025	199 to 215	199,215	OFDM		
802.11ac160	6025~6345	15 to 79	15,47,79	OFDM	MCS0	2TX
	6505	111	111	OFDM		
	6665~6825	143 to 175	143,175	OFDM		
	6985	207	207	OFDM		

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TRANSMIT RADIATED EMISSION TEST (ABOVE 1 GHz)							
MODE	FREQUENCY BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	RU CONFIGURATION	ANTENNA PORT
802.11ax20	5955~6415	1 to 93	1,45,93	OFDMA	MCS0	full,26/0,52/37,106/53,26/8,52/40,106/54	2TX
	6435~6515	97 to 113	97,105,113	OFDMA			
	6535~6875	117 to 185	117,149,181	OFDMA			
	6895~7115	189 to 233	185,189,209,233	OFDMA			
802.11ax40	5955~6415	1 to 93	3,43,91	OFDMA	MCS0	full,242/61,242/62	2TX
	6435~6515	97 to 113	99,107	OFDMA			
	6535~6875	117 to 185	115,123,147,179	OFDMA			
	6895~7115	189 to 233	187,195,227	OFDMA			
802.11ax80	5985~6385	7 to 87	7,39,87	OFDMA	MCS0	full,484/65,484/66	2TX
	6465	103	103	OFDMA			
	6545~6865	119 to 183	119,135,151,167,183	OFDMA			
	6945~7025	199 to 215	199,215	OFDMA			
802.11ax160	6025~6345	15 to 79	15,47,79	OFDMA	MCS0	full,996/67,484/65	2TX
	6505	111	111	OFDMA			
	6665~6825	143 to 175	143,175	OFDMA			
	6985	207	207	OFDMA			

Note:

The field strength of radiated emission was measured as the EUT positioned in different orthogonal planes (E1/E2/H) based on actual usage of the EUT to pre-scan the emissions for determining the worst case scenario.

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2 SUMMARY OF TEST RESULTS

FCC Rules	Description Of Test	Result
§15.207	AC Power Line Conducted Emission	Compliant
§15.407(a)(11) §2.1049	Emission Bandwidth	Compliant
§15.407(a)(4~9)	Maximum Conducted Output Power	Compliant
§15.407(a)(4~9)	Power Spectral Density	Compliant
§15.407(b)(7)	In-band emission	Compliant
§15.205 §15.209 §15.407(b)(6)	Undesirable Radiated Emissions	Compliant
§15.407(d)(6)	contention-based protocol	Compliant
§15.203	Antenna Requirement	Compliant

2.1 Test Methodology of Applied Standards

1. FCC Part 15, Subpart E §15.407
2. FCC KDB 987594 D02 U-NII 6 GHz EMC Measurement v03
3. FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01
4. FCC KDB 662911 D01 Multiple Transmitter Output v02r01
5. ANSI C63.10:2020

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2.2 Measurement Uncertainty

Test Items	Uncertainty
AC Power Line Conducted Emission	+/- 1.54 dB
Emission Bandwidth	+/- 1.38 Hz
Output Power measurement	+/- 0.97 dB
Peak Power Spectral Density Measurement	+/- 0.61 dB
Frequency Stability	+/- 1.48 Hz
Temperature	+/- 0.60 °C
Humidity	+/- 3.00 %
DC / AC Power Source	+/- 1.00 %

Radiated Spurious Emission Measurement Uncertainty		
Polarization: Vertical	+/- 1.89 dB	9kHz - 30MHz
	+/- 4.10 dB	30MHz - 1000MHz
	+/- 3.37 dB	1GHz - 18GHz
	+/- 3.83 dB	18GHz - 40GHz
Polarization: Horizontal	+/- 1.89 dB	9kHz - 30MHz
	+/- 4.10 dB	30MHz - 1000MHz
	+/- 3.37 dB	1GHz - 18GHz
	+/- 3.83 dB	18GHz - 40GHz
Radiated Spurious Emission	+/- 2.00 dB	33GHz - 50GHz
	+/- 1.59 dB	50GHz - 60GHz
	+/- 1.71 dB	60GHz - 90GHz
	+/- 1.64 dB	90GHz - 140GHz
	+/- 3.84 dB	140GHz - 220GHz

Note

1. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.
2. The conformity assessment statement in this report is based solely on the test results, measurement uncertainty is excluded.

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2.3 Test Facility

Laboratory	Test Site Address	Test Site Name	FCC Designation number / Registration Number	IC CAB identifier
SGS Taiwan Ltd. Central RF Lab. (TAF code 3702)	No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803	SAC 1 / SAC 2 / SAC 3 Conduction 1 / Conducted 1 Conducted 2 / Conducted 3 Conducted 4 / Conducted 5 Conducted 6	TW0027 / 891563	TW3702
SGS Taiwan Ltd. Central RF Lab. (TAF code 3702)	No.2, Keji 1st Rd, Guishan District, Taoyuan City, Taiwan 333	SAC C / SAC D / SAC G Conduction C/ Conducted A Conducted B / Conducted C Conducted D / Conducted E Conducted F / Conducted G	TW0028 / 200037	TW3702

Test Condition	Test Site name	Test Engineer	Test Environment (T&H)	Test Date
Conducted	Conducted D	Charlie	20~25°C / 60~66%	2025/07/31 ~ 2025/09/03

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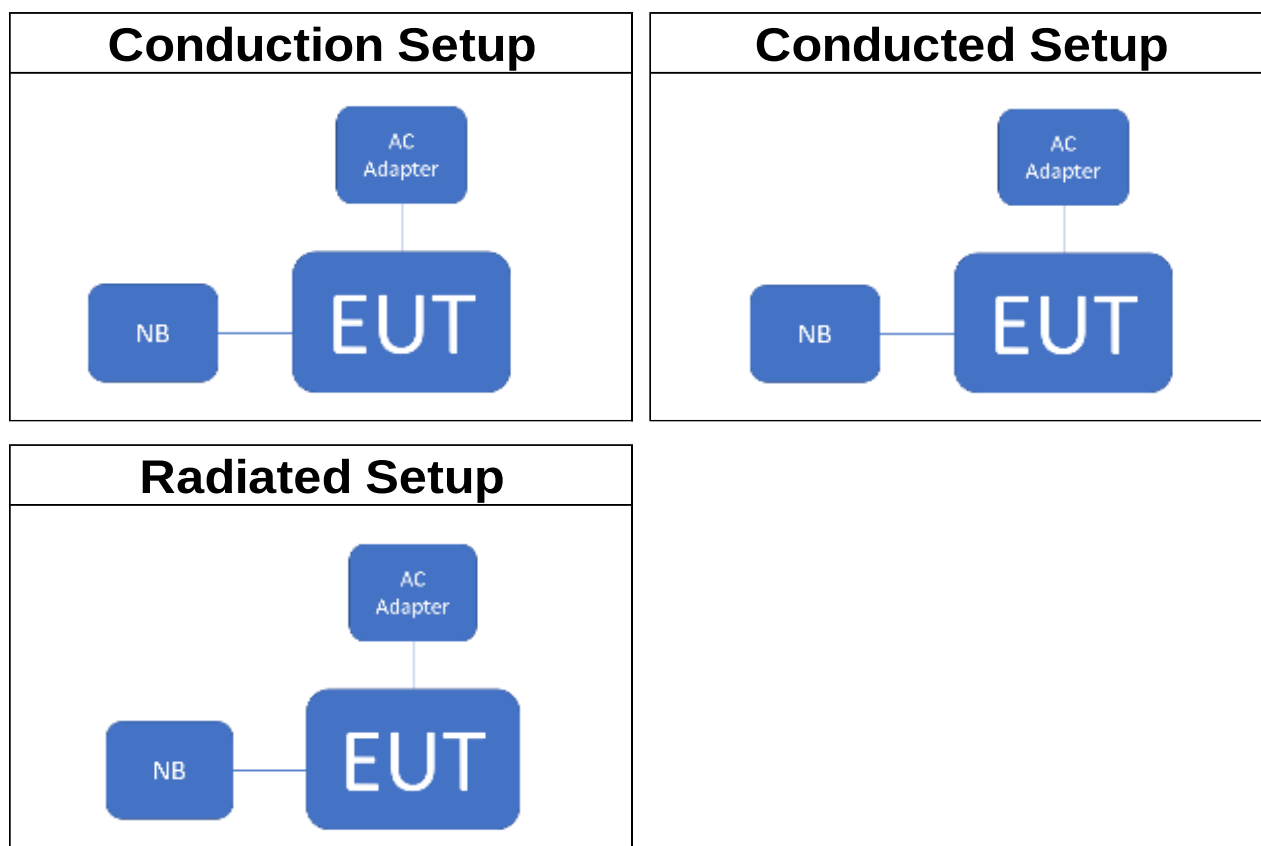
3 CONTROL UNIT(S) AND PERIPHERAL(S)

3.1 EUT Exercise

An engineering test mode (software/firmware) that applicant provided was utilized to manipulate the EUT into transmit, selection of the test channel, and modulation scheme.

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuation factor between EUT conducted port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly EUT RF output level.

3.2 Diagrams



3.3 List

3.3.1 Conduction Setup

AC Power-Line Conducted Emission Test Site: Conduction C					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Adapter	LYD	LYD1202500B	N/A	N/A	N/A
USB Cable	Yungkang	80.00095.001	N/A	N/A	N/A
Notebook	HP	HSN-Q35C-4	P0004691	N/A	N/A

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3.3.2 Conducted Setup

Conducted Emission Test Site: Conducted D					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Notebook	Lenovo	T14	P0003332	N/A	N/A
AC Adapter	LYD	LYD1202500B	N/A	N/A	N/A
Type C	YUNGKANG	80.00095.001	N/A	N/A	N/A

3.3.3 Radiated Setup

Radiated Emission Test Site: SAC C					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Adapter	LYD	LYD1202500B	N/A	N/A	N/A
USB Cable	Yungkang	80.00095.001	N/A	N/A	N/A
Notebook	HP	HSN-Q35C-4	P0004691	N/A	N/A

3.3.4 Contention Based Protocol Setup

Conducted Emission Test Site: Conducted B					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
AP	ASUS	GT-AXE11000	M3IAJF201730 FCC ID : MSQ-RTAXJF00	N/A	N/A
Notebook	Lenovo	T14	P0002721	N/A	N/A
Notebook	Lenovo	T14	P0002852	N/A	N/A

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4 TEST INSTRUMENT

4.1 Emission from AC power line

AC Power-Line Conducted Emission Test Site: Conduction C					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Coaxial Cable	EC Lab	RF-HY-CAB-250	RF-HY-CAB-250-01	03/27/2025	03/26/2026
EMI Test Receiver	R&S	ESCI	101342	04/23/2025	04/22/2026
LISN	SCHWARZBECK Mess-Elektronik	NSLK8127	974	06/30/2025	06/29/2026
Pulse Limiter	EC Lab	VTSD 9561F-N	485	03/27/2025	03/26/2026
Test Software	audix	e3	E3 20923 SGS Ver.9 (C)	N.C.R	N.C.R

4.2 Conducted Measurement

Conducted Emission Test Site: Conducted D					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Attenuator	Marvelous	MVE2213-10	RF08	11/14/2024	11/13/2025
Attenuator	Woken	WATT-218FS-10	RF17	11/14/2024	11/13/2025
DC Block	Marvelous	MVE6114	RF39	11/14/2024	11/13/2025
Power Meter	Anritsu	ML2496A	2138005	09/25/2024	09/24/2025
Power Sensor	Anritsu	MA2411B	1911395	09/25/2024	09/24/2025
Power Sensor	Anritsu	MA2411B	1911396	09/25/2024	09/24/2025
Spectrum Analyzer	KEYSIGHT	N9010A	MY51440113	09/18/2024	09/17/2025
Test Software	SGS Taiwan	Radio Test Software	Ver.21	N.C.R	N.C.R

4.3 Contention Based Protocol Measurement

Conducted Emission Test Site: Conducted B					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Attenuator	KEYSIGHT	11716C	RF44	11/14/2024	11/13/2025
DC Power Supply	Gwinstek	SPS-3610	GEV856769	07/29/2025	07/28/2026
Frequency Extender	Keysight	N5182BX07	MY59360223	02/27/2025	02/26/2026
Signal Generator	KEYSIGHT	N5182B	MY59100873	02/27/2025	02/26/2026
Spectrum Analyzer	Keysight	N9010B	MY60240548	01/06/2025	01/05/2026
Splitter	RF-LAMBDA	RFLT2W1G18G	RF52	11/14/2024	11/13/2025
Splitter	RF-LAMBDA	RFLT2W1G18G	RF53	11/14/2024	11/13/2025
Splitter	RF-LAMBDA	RFLT4W1G18G	RF62	11/14/2024	11/13/2025
Splitter	Woken	DOM35LW1A2	RF57	11/14/2024	11/13/2025
Test Software	SGS Taiwan	Radio Test Software	Ver.21	N.C.R	N.C.R

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4.4 Radiated Measurement

Radiated Emission Test Site: SAC C					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
3m Site NSA	SGS	966 chamber C	N/A	03/02/2025	03/01/2026
Active Loop Antenna	COM-POWER	AL-130R	10160105	12/11/2024	12/10/2025
Attenuator	Woken	WATT-218FS-10	RF17	11/14/2024	11/13/2025
Broadband Antenna	SCHWARZBECK	VULB 9168	9168-300	11/06/2024	11/05/2025
Coaxial Cable	EMCI+Huber Suhner	RG 214/U+EMC104-SM-SM-6000+EMC105-SM-SM-12000+15	W13.01+150813+2310002+15	11/14/2024	11/13/2025
EMI Test Receiver	R&S	ESU 40	100363	05/06/2025	05/05/2026
High Pass Filter	Titan Microwave	T04H86002600060S01	RF186	11/14/2024	11/13/2025
Horn Antenna	Schwarzbeck	BBHA9120D	1187	02/05/2025	02/04/2026
Lowpass Filter	Woken	EWI-56-0019	RF163	11/14/2024	11/13/2025
Pre-Amplifier	EMC Instruments	EMC118A45SE	980789	11/14/2024	11/13/2025
Pre-Amplifier	EMC Instruments	EMC184045SEE	980881	11/14/2024	11/13/2025
Pre-Amplifier	EMC Instruments	EMC330	980091	11/14/2024	11/13/2025
Spectrum Analyzer	KEYSIGHT	N9010B	MY63440390	02/13/2025	02/12/2026
Test Software	audix	e3	E3 20923 SGS Ver.9 (C)	N.C.R	N.C.R

NOTE: N.C.R refers to Not Calibrated Required.

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5 REGULATORY REQUIREMENTS

5.1 Emission Bandwidth

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

5.2 Maximum Output Power

EUT CATEGORY	Equipment Class	§15.407(a)
Very low power devices	VLP	EIRP < 14dBm
Standard Access Point	6SD	EIRP < 36dBm and antenna angle above 30 degrees < 21dBm EIRP for outdoor use
indoor Access Point	6ID	EIRP < 30dBm
Subordinate Device	6PP	EIRP < 30dBm
Fixed Client	6FC	EIRP < 36dBm and antenna angle above 30 degrees < 21dBm EIRP for outdoor use
V Indoor Client	6XD	EIRP < 24dBm
Standard Client	6FX	EIRP < 30dBm no more than 6 dB below its associated standard power access point's authorized trans-mit power
Dual Client	6CD	Compliance both indoor client and standard client limit

5.2.1 Duty Cycle

Pre-analysis Check: While conducting average power measurement, duty cycle of each mode shall be checked to ensure its duty cycle in order to compensate for the loss due to insufficient ratio of duty cycle.

All duty cycle is pre-scanned, and result as obtained below shows only the most representative ones where duty cycle is conducted as the given transmission with given virtual operation that expresses the percentage.

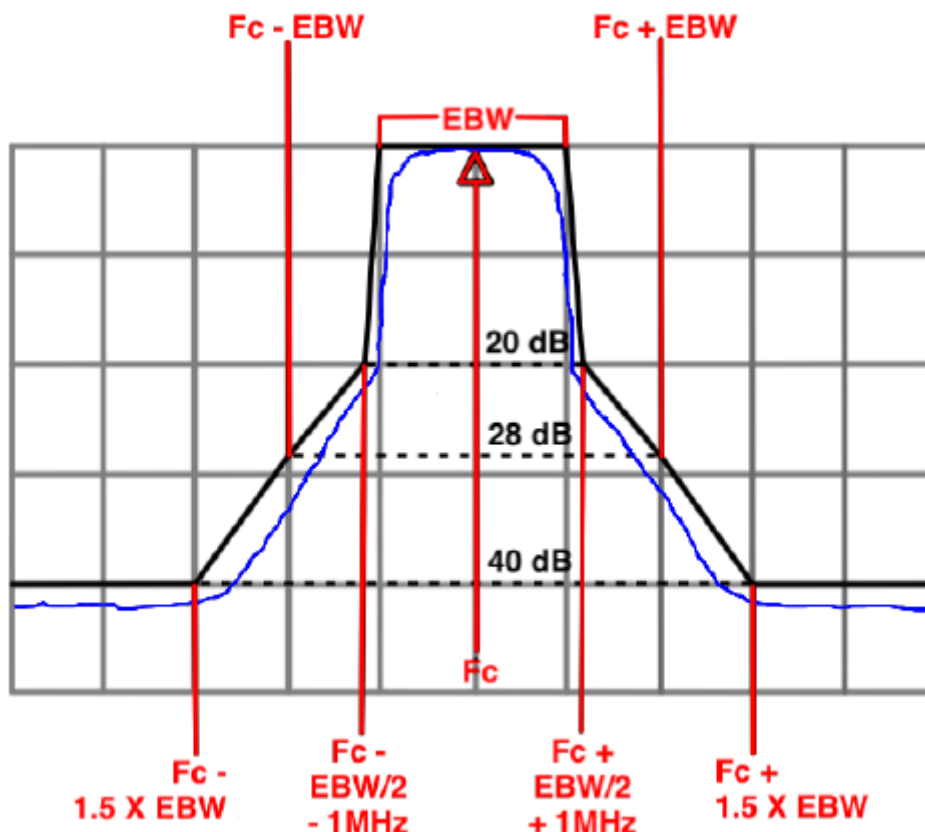
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5.3 Maximum Power Spectral Density

EUT CATEGORY	Equipment Class	§15.407(a)
Very low power devices	VLP	EIRP < -5dBm/MHz
Standard Access Point	6SD	EIRP < 23dBm/MHz
indoor Access Point	6ID	EIRP < 5dBm/MHz
Subordinate Device	6PP	EIRP < 5dBm/MHz
Fixed Client	6FC	EIRP < 23dBm/MHz
V Indoor Client	6XD	EIRP < -1dBm/MHz
Standard Client	6FX	EIRP < 17dBm/MHz
Dual Client	6CD	Compliance both indoor client and standard client limits

5.4 In-Band Emission



For transmitters operating within the 5.925-7.125 GHz bands: Power spectral density must be suppressed by 20 dB at 1 MHz outside of channel edge, by 28 dB at one channel bandwidth from the channel center, and by 40 dB at one- and one-half times the channel

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bandwidth away from channel center. At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression, and at frequencies between one and one- and one-half times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression. Emissions removed from the channel center by more than one- and one-half times the channel bandwidth must be suppressed by at least 40 dB.

5.5 Unwanted Emissions

For transmitters operating within the 5.925–7.125 GHz band, any emissions outside of this frequency range must not exceed an e.i.r.p. of –27 dBm/MHz. Emissions below 1 GHz must comply with the applicable general field strength limits.

The provisions for restricted bands apply to intentional radiators operating under this section.

Measurement procedures for frequencies below and above 1 GHz shall follow the applicable regulatory guidance. Unwanted emissions outside of restricted bands are measured using an RMS detector. In addition, peak emissions must not exceed the average limit by more than 20 dB.

Below 1G and restricted limit

Frequency (MHz)	Field strength (microvolts/meter)	Distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3
Note: The lower limit shall apply at the transition frequencies.		

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Above 1GHz and non-restricted limit

EIRP LIMIT	FIELD STRENGTH AT 3m
Peak: -7 (dBm/MHz) AV: -27 (dBm/MHz)	Peak: 88.2 (dBμV/m) AV: 68.2 (dBμV/m)
$EIRP[dBm] = E[dB\mu V/m] + 20 \log (d[m]) - 104.7$ $E[dB\mu V/m] = EIRP[dBm] - 20 \log (d[m]) + 104.7$	

5.6 Contention Based Protocol

Indoor access points, subordinate devices and client devices operating in the 5.925-7.125 GHz band (herein referred to as unlicensed devices) are required to use technologies that include a contention-based protocol to avoid co-channel interference with incumbent devices sharing the band. To ensure incumbent co-channel operations are detected in a technology-agnostic manner, unlicensed devices are required to detect co-channel radio frequency energy (energy detect) and avoid simultaneous transmission.

Unlicensed low-power indoor devices must detect co-channel radio frequency power that is at least -62 dBm or lower. Upon detection of energy in the band, unlicensed low power indoor devices must vacate the channel and stay off the channel as long as detected radio frequency power is equal to or greater than the threshold (-62 dBm). The -62 dBm (or lower) threshold is referenced to a 0 dBi antenna gain.

To ensure incumbent operations are reliably detected in the band, low power indoor devices must detect RF energy throughout their intended operating channel. For example, an 802.11 device that plans to transmit a 40 MHz- wide signal (on a primary 20 MHz channel and a secondary 20 MHz channel) must detect energy throughout the entire 40 MHz channel. Additionally, low-power indoor devices must detect co-channel energy with 90% or greater certainty.

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5.7 AC Power Line Conducted Emission

Frequency range within 150kHz to 30MHz shall not exceed the Limit table as below.

Frequency range MHz	Limits (dBuV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50
Note 1.The lower limit shall apply at the transition frequencies 2.The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz		

5.8 Antenna Requirements

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of § 15.211, 15.213, 15.217, 15.219, 15.221, or § 15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

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6 TEST CONFIGURATION

6.1 Emission Bandwidth



1. The testing is performed in accordance with the applicable general UNII test procedures.
2. Remove the antenna from the EUT and connect a low-loss RF cable from the antenna port to the spectrum analyzer.
3. Place the EUT on the table and set it to transmit mode.
4. 26 dB Bandwidth Measurement:
 - RBW = approximately 1% of emission BW
 - VBW > RBW
 - Sweep=Auto
 - Detector = Peak
 - Trace Mode = Max Hold
 - Manually readjust RBW until the RBW/EBW ratio is approximately 1% based on EBW as observed on the result of pre-sequence measurement.
 - Use the X dB bandwidth mode function of the spectrum analyzer and set to 26dB.
5. 99% Bandwidth Measurement:
 - Set the spectrum analyzer as
 - RBW=1% to 5% of the 99%
 - VBW $\geq 3 \times$ RBW
 - Span = 1.5 times to 5.0 times the OBW,
 - Detector=Sample/Peak,
 - Sweep=Auto
 - Turn on the 99% bandwidth function, max reading.
 - Repeat above procedures until all frequency of interest measured was complete.

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6.2 Maximum Output Power

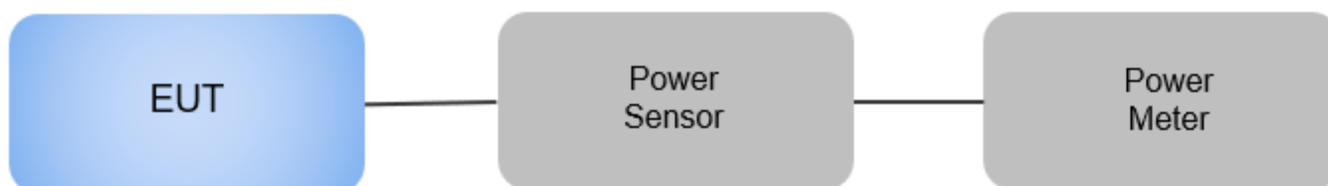
6.2.1 Duty Cycle



Set the spectrum analyzer as

Span = Zero,
RBW = 8 MHz,
VBW = 8 MHz,
Detector = Peak,

6.2.2 Maximum Output Power



1. The testing is performed in accordance with the applicable general UNII test procedures.
2. Place the EUT on the table and set it to transmit mode.
3. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the power meter.
4. Power Meter is used as the auxiliary test equipment to conduct the output power measurement.
5. Record the max. reading and add $10 \log(1/\text{duty cycle})$.
6. Repeat above procedures until all frequency (low, middle, and high channel) measured were complete.
7. When testing for multiple output ports in simultaneous transmission mode, the measured values of each individual output port are tested separately and then linearly summed.
8. The directional gain is calculated using the formula

$$\text{DirectionalGain} = 10 \times \log_{10} \left(\frac{(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_n/20})^2}{N_{ant}} \right)$$

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6.3 Maximum Power Spectral Density



1. The testing is performed in accordance with the applicable general UNII test procedures.
2. Place the EUT on the table and set it to transmit mode.
3. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to Spectrum
4. Set RBW=1MHz, VBW=3MHz, where span is enough to capture the entire bandwidth, Sweep time = Auto (1001 pts), detector = power averaging (rms), if available. Otherwise, use sample detector mode, traces 100 sweeps of video averaging. (SA-2 with the omission of procedure x, the integration with 26dB EBW bandwidth)
5. Use the cursor on spectrum to peak search the highest level of trace
(1)Duty cycle $\geq 98\%$: Record the max. reading.
(2)Duty cycle $< 98\%$: Record the max. reading and add $10 \log(1/\text{duty cycle})$.
6. Repeat above procedures until all default test channel (low, middle, and high) was complete.
7. When testing for multiple output ports in simultaneous transmission mode, the measured values of each individual output port are tested separately and then linearly summed.
8. The directional gain is calculated using the formula

$$\text{Directional Gain} = 10 \times \log_{10} \left(\frac{(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_n/20})^2}{N_{ant}} \right)$$

6.4 In-Band Emission



The test is conducted in accordance with the applicable regulatory measurement procedure.

Place the EUT on the table and set it to transmit mode.

Configure the spectrum analyzer as follows:

Set the span to encompass the entire 26 dB EBW of the signal

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Set RBW = same RBW used for 26 dB EBW measurement

Set VBW $\geq 3 \times$ RBW

Number of points in sweep $\geq [2 \times \text{span} / \text{RBW}]$.

Sweep time = auto.

Detector = RMS

Trace average at least 100 traces in power averaging (rms) mode

Use the peak search function on the instrument to find the peak of the spectrum.

For the purposes of developing the emission mask, the channel bandwidth is defined as the 26 dB EBW.

6.5 Unwanted Emissions

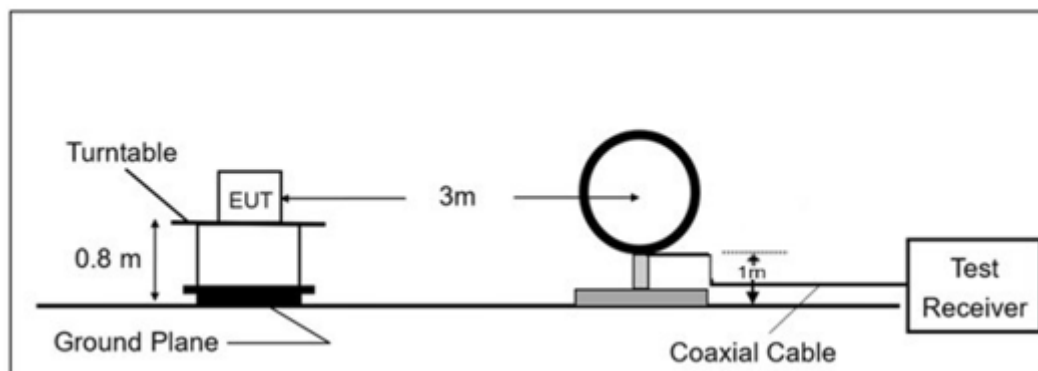
6.5.1 Radiated Emission Test Sites

For Measurements From 9 kHz To 30 MHz

Radiated emission below 30MHz is measured in a 9m*6m*6m semi-anechoic chamber, the measurements correspond to those obtained at an open-field test site.

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

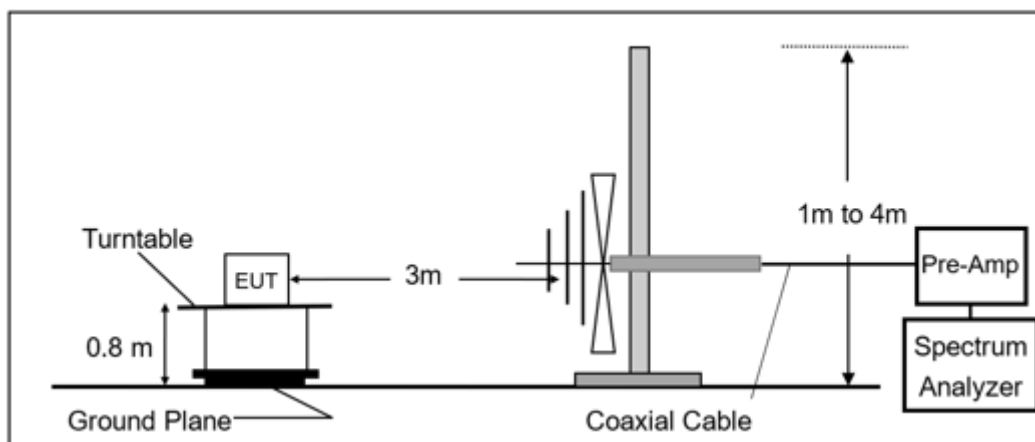
Radiated Emission Test Set-Up, Frequency Below 30MHz.



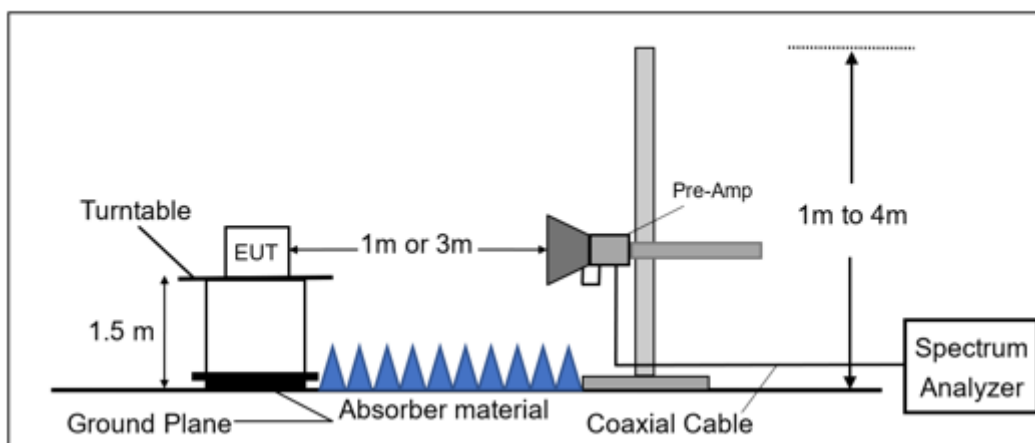
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Radiated Emission Test Set-Up, Frequency From 30MHz to 1000MHz.



Radiated Emission Test Set-Up, Frequency Above 1GHz.



6.5.2 Measurement Procedure

1. The testing follows FCC KDB 789033 D02.
2. The EUT was placed on a turn table with 0.8m for frequency < 1GHz and 1.5m for frequency > 1GHz above ground plane.
3. The turn table shall rotate 360 degrees to determine the position of maximum emission level.
4. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emissions.
5. For measurements below 30MHz, set the spectrum analyzer as
 - ☒ For Peak measurement
 - RBW=10 kHz
 - VBW=30 kHz
 - Detector = peak
 - Trace mode = max-hold
 - ☒ For Quasi-peak measurement in receiver mode
 - RBW=10 kHz

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Detector = Quasi-Peak

Peak detection is used unless otherwise noted as quasi-peak.

6. For measurements in 30MHz to 1GHz, set the spectrum analyzer as

☒ For Peak measurement

RBW=100 kHz

VBW=300 kHz

Detector = peak

Trace mode = max-hold

☒ For Quasi-peak measurement in receiver mode

RBW=120 kHz

Detector = Quasi-Peak

Peak detection is used unless otherwise noted as quasi-peak.

7. For measurements above 1GHz, set the spectrum analyzer as

☒ For Peak measurement:

RBW=1 MHz

VBW=3 MHz

Detector = peak

Trace mode = max-hold

☒ For Average measurement:

☐ Duty cycle $\geq 98\%$:

RBW=1 MHz

VBW=3 MHz

Detector = Power averaging (rms)

trace average was performed over at least 100 traces

☒ Duty cycle $\geq 98\%$:

RBW=1 MHz

VBW=10 Hz

Detector = peak

Trace mode = max-hold

☒ Duty cycle $< 98\%$

RBW=1 MHz

VBW $\geq 1/T$

Detector = peak

Trace mode = max-hold

☐ Duty cycle $< 98\%$

RBW=1 MHz

VBW ≥ 3 MHz

Detector = Power averaging (rms)

trace average was performed over at least 100 traces

add Duty cycle factor(dB).

8. When measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made "while keeping the antenna in the 'cone of radiation' from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response." is still within the 3dB illumination BW of the measurement antenna.

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9. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
 10. Each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
 11. Repeat above procedures until all frequency measured were complete.
- Note: The emissions from 9 kHz to 30MHz was pre-scanned as 20dB lower than the limits, and hence not reported.

6.5.3 Field Strength Calculation

The field strength is calculated by adding the antenna factor and cable loss, then subtracting the amplifier gain and any applicable duty cycle correction factor from the measured reading. The basic equation and an example calculation are as follows:

$$FS = RA + AF + CL - AG$$

Where:

FS = Field Strength (dB μ V/m)
RA = Reading Amplitude (dB μ V)
AF = Antenna Factor (dB/m)
CL = Cable Loss (dB)
AG = Amplifier Gain (dB)

The emission limit is expressed in dB μ V/m, which corresponds to the logarithmic conversion of $20 \times \log_{10}$ (μ V/m).

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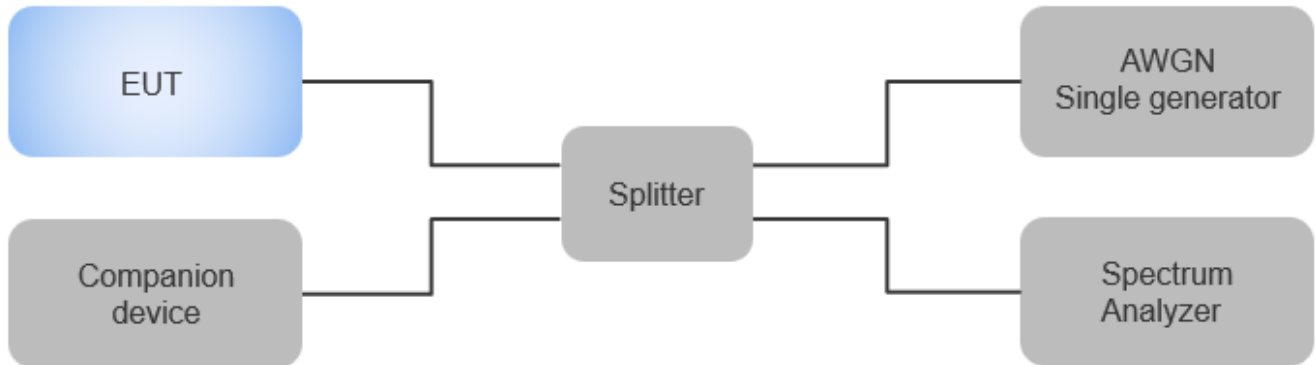
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6.6 Contention Based Protocol



1. Configure the EUT to transmit with a constant duty cycle.
2. Set the operating parameters of the EUT including power level, operating frequency, modulation and bandwidth.
3. Set the signal analyzer center frequency to the nominal EUT channel center frequency. The span range of the signal analyzer shall be between two times and five times the OBW of the EUT. Connect the output port of the EUT to the signal analyzer, ensure that the attenuator provides enough attenuation to not overload the signal analyzer receiver.
4. Using an AWGN signal source a 10 MHz-wide AWGN signal. Use Table 1 to determine the center frequency of the 10 MHz AWGN signal relative to the EUT's channel bandwidth and center frequency.
5. Set the AWGN signal power to an extremely low level (more than 20 dB below -62 dBm threshold). Connect the AWGN signal source, via splitter, to the signal analyzer and the EUT.
For power of AWGN signal, set the spectrum analyzer as
Span > 99% OBW
RBW = 1 MHz
VBW ≥ 3 MHz
Sweep time = auto
Detector = Power averaging (rms)
6. Monitor the signal analyzer to verify if the AWGN signal has been detected and the EUT has ceased transmission. If the EUT continues to transmit, then incrementally increase the AWGN signal power level until the EUT stops transmitting.
7. (Including all losses in the RF paths) Determine and record the AWGN signal power level (at the EUT's antenna port) at which the EUT ceased transmission. Repeat the procedure at least 10 times to verify the EUT can detect an AWGN signal with 90% (or better) level of certainty.
8. Refer to Table 1 to determine number of times the detection threshold testing needs to be repeated. If testing is required more than once, then go back to step 4, choose a different center frequency for the AWGN signal and repeat the process (as figure1).

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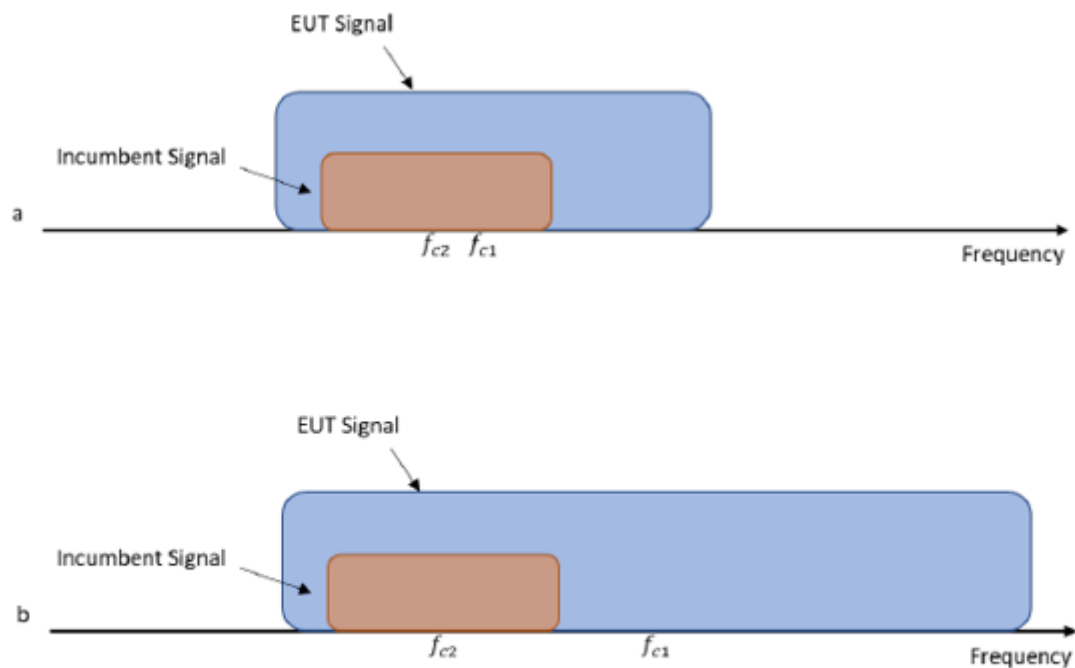


Figure 1. Two possible scenarios where a) center frequency of EUT transmission falls within the incumbent's bandwidth, or b) outside of it

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

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

Where:

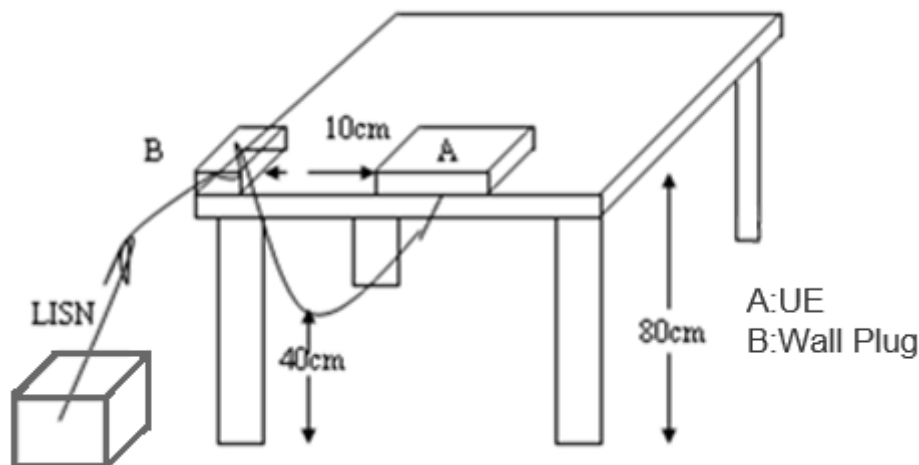
BW_{EUT} : Transmission bandwidth of EUT signal

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

f_{c1} : The center frequency of EUT transmission

f_{c2} : Center frequency of the simulated incumbent signal

6.7 AC Power Line Conducted Emission



1. The conducted emission tests were performed at the designated test site using a setup in accordance with ANSI C63.10.
2. The EUT was placed on a non-conductive table that is 0.8 meters above the ground plane. Conducted emissions were measured in the frequency range from 0.15 MHz to 30 MHz using CISPR Quasi-Peak and Average detector modes. The two LISNs provided 50 μ H / 50 ohm coupling impedance for the measuring instrument. Both lines of

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the power mains connected to the EUT were checked for maximum conducted interference.

3. The AC/DC power adaptor of the EUT was connected to the LISN. The EUT was positioned flush with the rear edge of the table, with a minimum 0.4-meter distance from the shielding wall.
4. The LISNs were connected to the power source and configured according to the test requirements.
5. The maximum emission levels were investigated for each mode of operation. The six highest emissions were further maximized to ensure compliance.
6. The above procedures were repeated for all power supply configurations of the EUT.

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7 TEST RESULTS

7.1 Emission Bandwidth

802.11a_Ch0

CH	Frequency (MHz)	99% BW (MHz)	26dB BW (MHz)
1	5955	16.455	19.16
45	6175	16.413	19.01
93	6415	16.442	19.27
97	6435	16.449	19.17
105	6475	16.425	19.67
113	6515	16.432	18.82
117	6535	16.420	19.45
149	6695	16.442	19.32
181	6855	16.418	18.64
185	6875(U-NII 7)	8.235	9.53
185	6875(U-NII 8)	8.235	9.53
189	6895	16.428	18.89
209	6995	16.435	19.12
233	7115	16.434	19.16

802.11n_HT20_Ch0

CH	Frequency (MHz)	99% BW (MHz)	26dB BW (MHz)
1	5955	17.676	21.53
45	6175	17.609	20.25
93	6415	17.598	19.94
97	6435	17.598	20.30
105	6475	17.599	20.65
113	6515	17.595	19.99
117	6535	17.611	20.21
149	6695	17.609	20.24
181	6855	17.603	20.73
185	6875(U-NII 7)	8.814	10.25
185	6875(U-NII 8)	8.814	10.25
189	6895	17.593	20.60
209	6995	17.589	20.31
233	7115	17.637	21.04

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802.11n_HT20_Ch1

CH	Frequency (MHz)	99% BW (MHz)	26dB BW (MHz)
1	5955	17.627	20.59
45	6175	17.600	20.52
93	6415	17.620	20.49
97	6435	17.587	20.63
105	6475	17.567	20.40
113	6515	17.587	20.57
117	6535	17.591	19.83
149	6695	17.593	20.26
181	6855	17.583	20.10
185	6875(U-NII 7)	8.796	10.48
185	6875(U-NII 8)	8.796	10.48
189	6895	17.579	20.36
209	6995	17.599	20.31
233	7115	17.617	20.43

802.11n_HT40_Ch0

CH	Frequency (MHz)	99% BW (MHz)	26dB BW (MHz)
3	5965	36.073	40.12
43	6165	36.069	39.91
91	6405	36.072	40.00
99	6445	36.106	39.58
107	6485	36.062	39.66
115	6525(U-NII 6)	18.038	19.69
115	6525(U-NII 7)	18.038	19.69
123	6565	36.065	39.75
147	6685	36.064	40.04
179	6845	36.035	39.59
187	6885(U-NII 7)	8.037	9.82
187	6885(U-NII 8)	28.037	29.82
195	6925	36.066	39.76
211	7005	36.046	39.45
227	7085	36.030	39.69

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802.11n_HT40_Ch1

CH	Frequency (MHz)	99% BW (MHz)	26dB BW (MHz)
3	5965	36.118	39.61
43	6165	36.076	39.32
91	6405	36.093	39.29
99	6445	36.108	39.58
107	6485	36.058	39.17
115	6525(U-NII 6)	18.092	19.82
115	6525(U-NII 7)	18.092	19.82
123	6565	36.028	39.32
147	6685	36.134	39.68
179	6845	36.054	39.25
187	6885(U-NII 7)	8.039	9.97
187	6885(U-NII 8)	28.039	29.97
195	6925	36.034	39.30
211	7005	36.082	39.46
227	7085	36.042	39.78

802.11ac_VHT20_Ch0

CH	Frequency (MHz)	99% BW (MHz)	26dB BW (MHz)
1	5955	17.631	20.71
45	6175	17.631	20.46
93	6415	17.622	20.61
97	6435	17.608	20.21
105	6475	17.624	20.97
113	6515	17.611	20.66
117	6535	17.613	20.02
149	6695	17.614	20.76
181	6855	17.608	20.51
185	6875(U-NII 7)	8.798	10.04
185	6875(U-NII 8)	8.798	10.04
189	6895	17.603	20.53
209	6995	17.589	20.71
233	7115	17.621	20.86

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802.11ac_VHT20_Ch1

CH	Frequency (MHz)	99% BW (MHz)	26dB BW (MHz)
1	5955	17.607	20.46
45	6175	17.612	20.47
93	6415	17.595	20.13
97	6435	17.595	20.56
105	6475	17.575	20.27
113	6515	17.586	20.40
117	6535	17.606	20.58
149	6695	17.588	20.17
181	6855	17.557	19.92
185	6875(U-NII 7)	8.763	10.32
185	6875(U-NII 8)	8.763	10.32
189	6895	17.598	20.40
209	6995	17.594	20.38
233	7115	17.610	20.87

802.11ac_VHT40_Ch0

CH	Frequency (MHz)	99% BW (MHz)	26dB BW (MHz)
3	5965	36.106	39.34
43	6165	36.069	39.83
91	6405	36.035	39.38
99	6445	36.056	39.50
107	6485	36.109	40.07
115	6525(U-NII 6)	18.071	19.79
115	6525(U-NII 7)	18.071	19.79
123	6565	36.063	39.94
147	6685	36.017	40.04
179	6845	36.141	39.54
187	6885(U-NII 7)	8.054	9.90
187	6885(U-NII 8)	28.054	29.90
195	6925	36.065	40.23
211	7005	36.040	39.78
227	7085	36.023	39.74

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802.11ac_VHT40_Ch1

CH	Frequency (MHz)	99% BW (MHz)	26dB BW (MHz)
3	5965	36.048	39.43
43	6165	36.064	39.83
91	6405	36.087	39.70
99	6445	36.068	39.46
107	6485	36.069	39.62
115	6525(U-NII 6)	18.045	19.65
115	6525(U-NII 7)	18.045	19.65
123	6565	36.057	39.39
147	6685	36.105	39.25
179	6845	36.045	39.50
187	6885(U-NII 7)	8.004	9.48
187	6885(U-NII 8)	28.004	29.48
195	6925	36.075	39.26
211	7005	36.050	39.64
227	7085	36.063	39.55

802.11ac_VHT80_Ch0

CH	Frequency (MHz)	99% BW (MHz)	26dB BW (MHz)
7	5985	75.469	81.19
39	6145	75.304	80.21
87	6385	75.383	81.62
103	6465	75.411	82.26
119	6545(U-NII 6)	17.697	20.59
119	6545(U-NII 7)	57.697	60.59
135	6625	75.426	81.41
151	6705	75.422	81.34
167	6785	75.342	81.36
183	6865(U-NII 7)	47.753	50.72
183	6865(U-NII 8)	27.753	30.72
199	6945	75.424	81.59
215	7025	75.312	81.74

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802.11ac_VHT80_Ch1

CH	Frequency (MHz)	99% BW (MHz)	26dB BW (MHz)
7	5985	75.410	81.33
39	6145	75.458	82.24
87	6385	75.399	82.00
103	6465	75.489	81.69
119	6545(U-NII 6)	17.708	21.24
119	6545(U-NII 7)	57.708	61.24
135	6625	75.427	81.18
151	6705	75.535	81.46
167	6785	75.388	80.95
183	6865(U-NII 7)	47.670	50.41
183	6865(U-NII 8)	27.670	30.41
199	6945	75.399	81.51
215	7025	75.369	81.39

802.11ac_VHT160_Ch0

CH	Frequency (MHz)	99% BW (MHz)	26dB BW (MHz)
15	6025	154.17	165.5
47	6185	154.51	163.6
79	6345	154.60	162.6
111	6505(U-NII 6)	97.22	101.7
111	6505(U-NII 7)	57.22	61.7
143	6665	154.49	164.5
175	6825(U-NII 7)	127.15	132.1
175	6825(U-NII 8)	27.15	32.1
207	6985	154.64	163.5

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802.11ac_VHT160_Ch1

CH	Frequency (MHz)	99% BW (MHz)	26dB BW (MHz)
15	6025	154.18	164.2
47	6185	154.35	162.6
79	6345	154.19	162.5
111	6505(U-NII 6)	97.18	102.2
111	6505(U-NII 7)	57.18	62.2
143	6665	154.52	164.8
175	6825(U-NII 7)	126.99	132.2
175	6825(U-NII 8)	26.99	32.2
207	6985	154.76	163.2

802.11ax_HE20_Ch0

CH	Frequency (MHz)	99% BW (MHz)	26dB BW (MHz)
1	5955	18.928	20.94
45	6175	18.966	20.85
93	6415	18.934	20.89
97	6435	18.897	20.81
105	6475	18.932	20.99
113	6515	18.936	21.10
117	6535	18.912	20.66
149	6695	18.900	21.13
181	6855	18.941	20.73
185	6875(U-NII 7)	9.454	10.34
185	6875(U-NII 8)	9.454	10.34
189	6895	18.968	20.78
209	6995	18.887	20.72
233	7115	18.934	20.87

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802.11ax_HE20_Ch1

CH	Frequency (MHz)	99% BW (MHz)	26dB BW (MHz)
1	5955	18.950	21.07
45	6175	18.942	20.71
93	6415	18.892	20.78
97	6435	18.921	20.96
105	6475	18.883	20.51
113	6515	18.929	21.02
117	6535	18.861	20.56
149	6695	18.911	21.24
181	6855	18.843	20.78
185	6875(U-NII 7)	9.465	10.46
185	6875(U-NII 8)	9.465	10.46
189	6895	18.901	20.46
209	6995	18.918	20.88
233	7115	18.953	21.11

802.11ax_HE40_Ch0

CH	Frequency (MHz)	99% BW (MHz)	26dB BW (MHz)
3	5965	37.734	40.01
43	6165	37.663	39.97
91	6405	37.780	40.30
99	6445	37.681	40.20
107	6485	37.788	39.91
115	6525(U-NII 6)	18.857	20.04
115	6525(U-NII 7)	18.857	20.04
123	6565	37.664	40.67
147	6685	37.740	39.94
179	6845	37.634	39.93
187	6885(U-NII 7)	8.836	10.25
187	6885(U-NII 8)	28.836	30.25
195	6925	37.718	40.61
211	7005	37.689	40.00
227	7085	37.702	40.17

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802.11ax_HE40_Ch1

CH	Frequency (MHz)	99% BW (MHz)	26dB BW (MHz)
3	5965	37.660	40.21
43	6165	37.722	40.00
91	6405	37.779	40.11
99	6445	37.818	40.38
107	6485	37.780	40.16
115	6525(U-NII 6)	18.914	20.04
115	6525(U-NII 7)	18.914	20.04
123	6565	37.748	39.93
147	6685	37.789	40.21
179	6845	37.746	40.40
187	6885(U-NII 7)	8.839	9.81
187	6885(U-NII 8)	28.839	29.81
195	6925	37.706	39.95
211	7005	37.707	40.05
227	7085	37.647	40.02

802.11ax_HE80_Ch0

CH	Frequency (MHz)	99% BW (MHz)	26dB BW (MHz)
7	5985	76.991	82.13
39	6145	77.040	82.15
87	6385	77.164	81.65
103	6465	77.104	81.80
119	6545(U-NII 6)	18.593	20.95
119	6545(U-NII 7)	58.593	60.95
135	6625	77.021	82.04
151	6705	77.181	82.48
167	6785	77.017	82.13
183	6865(U-NII 7)	48.540	51.28
183	6865(U-NII 8)	28.540	31.28
199	6945	77.123	82.01
215	7025	77.041	82.17

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802.11ax_HE80_Ch1

CH	Frequency (MHz)	99% BW (MHz)	26dB BW (MHz)
7	5985	77.004	81.21
39	6145	76.960	82.26
87	6385	77.155	81.59
103	6465	77.067	81.61
119	6545(U-NII 6)	18.496	20.76
119	6545(U-NII 7)	58.496	60.76
135	6625	77.190	81.32
151	6705	77.200	81.98
167	6785	77.030	82.04
183	6865(U-NII 7)	48.537	50.66
183	6865(U-NII 8)	28.537	30.66
199	6945	77.199	82.01
215	7025	77.061	81.93

802.11ax_HE160_Ch0

CH	Frequency (MHz)	99% BW (MHz)	26dB BW (MHz)
15	6025	156.02	164.6
47	6185	155.83	162.9
79	6345	155.85	163.1
111	6505(U-NII 6)	97.87	101.4
111	6505(U-NII 7)	57.87	61.4
143	6665	156.22	162.2
175	6825(U-NII 7)	127.91	131.4
175	6825(U-NII 8)	27.91	31.4
207	6985	155.69	163.0

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802.11ax_HE160_Ch1

CH	Frequency (MHz)	99% BW (MHz)	26dB BW (MHz)
15	6025	155.70	165.1
47	6185	155.75	163.0
79	6345	156.09	164.7
111	6505(U-NII 6)	97.93	101.7
111	6505(U-NII 7)	57.93	61.7
143	6665	156.07	164.6
175	6825(U-NII 7)	127.93	132.0
175	6825(U-NII 8)	27.93	32.0
207	6985	155.93	163.7

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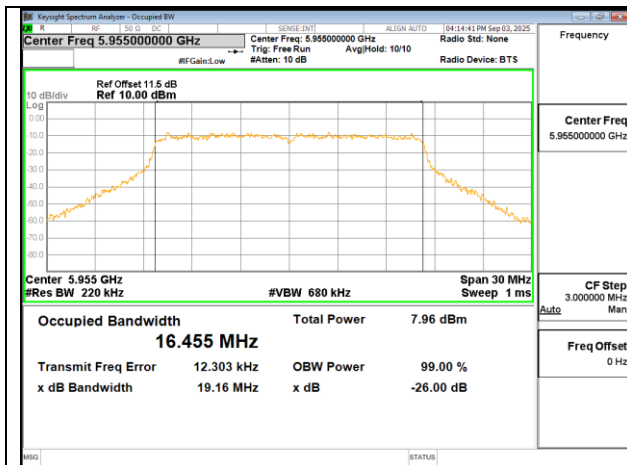
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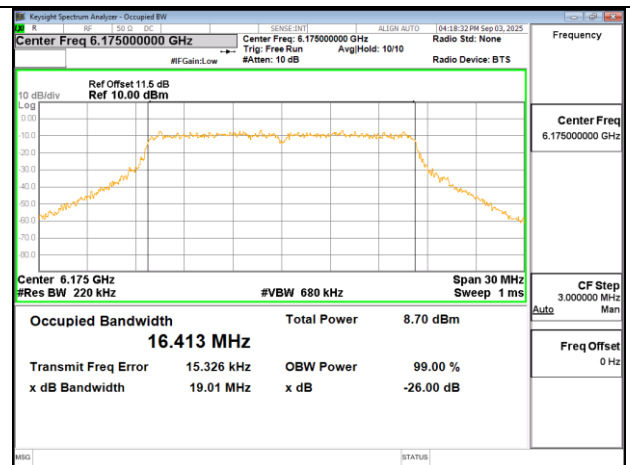
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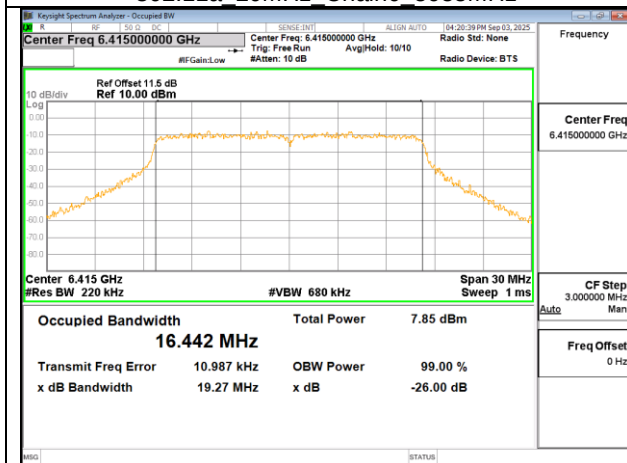
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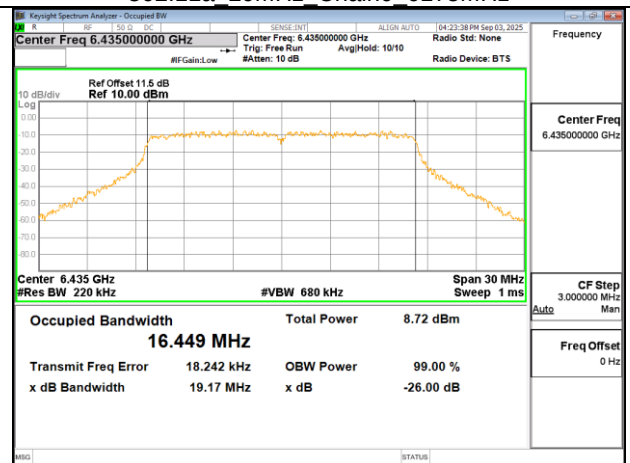
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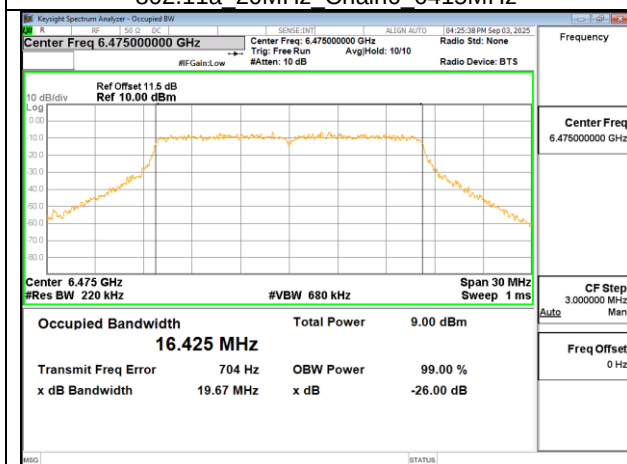
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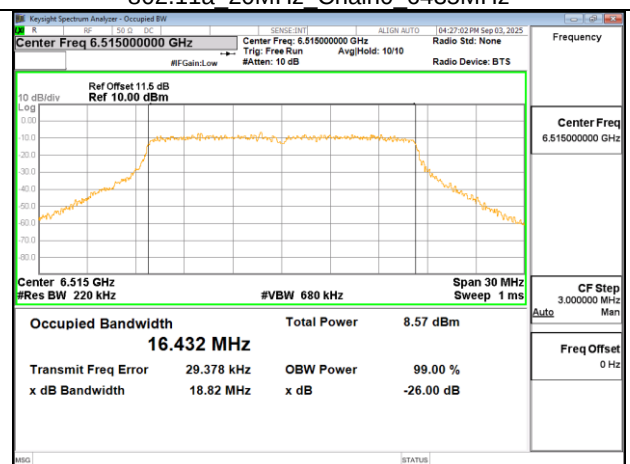
802.11a 20MHz Chain0 6415MHz



802.11a 20MHz Chain0 6435MHz



802.11a 20MHz Chain0 6475MHz



802.11a 20MHz Chain0 6515MHz

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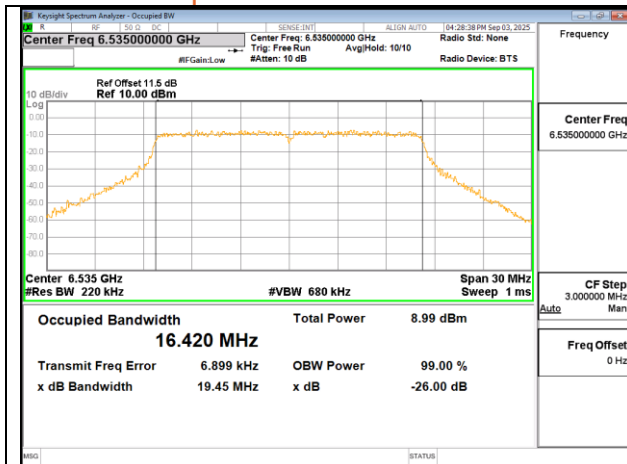
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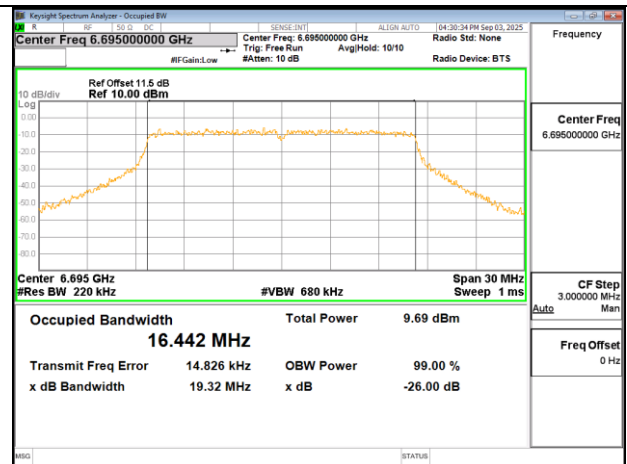
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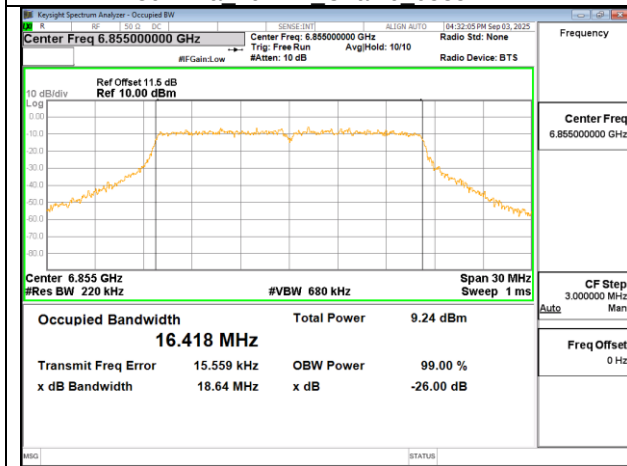
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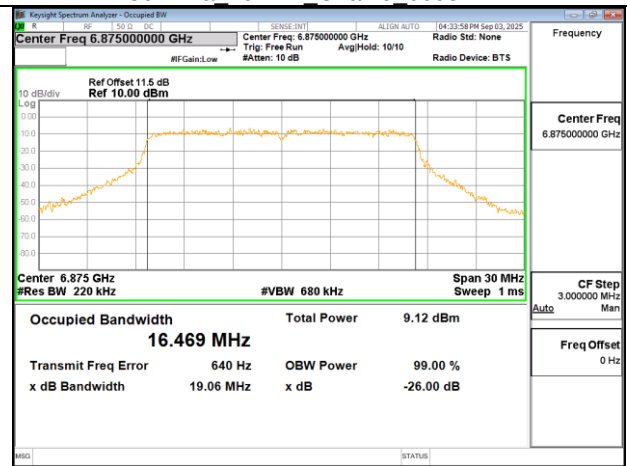
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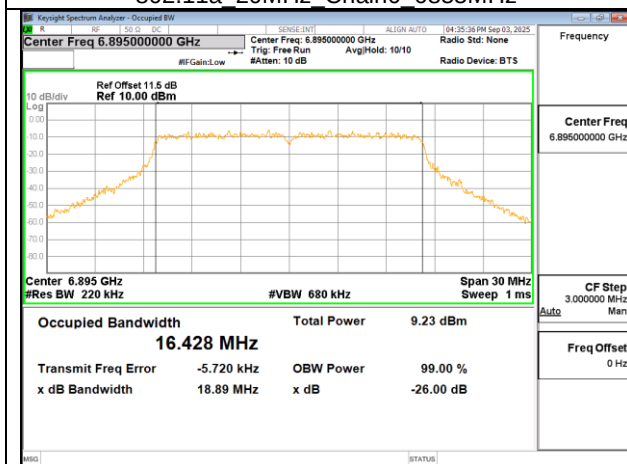
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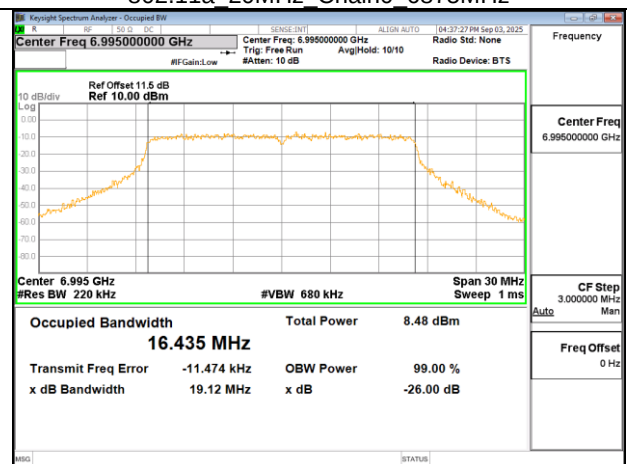
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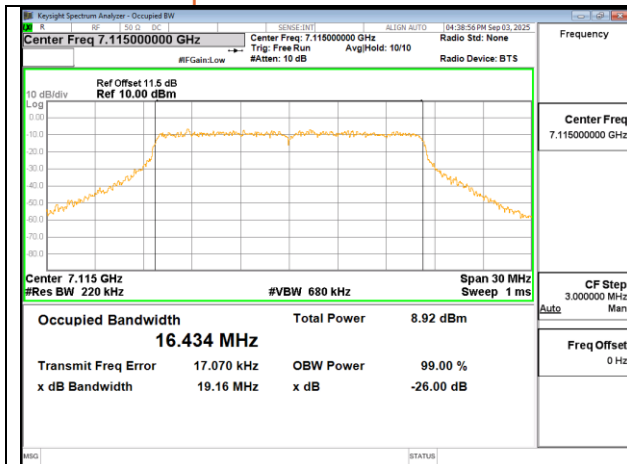


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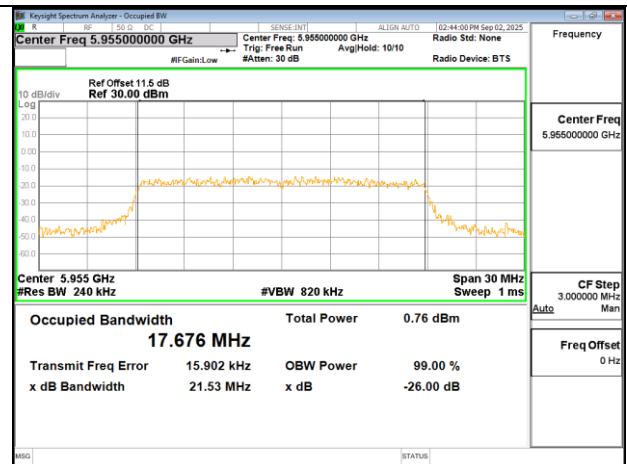
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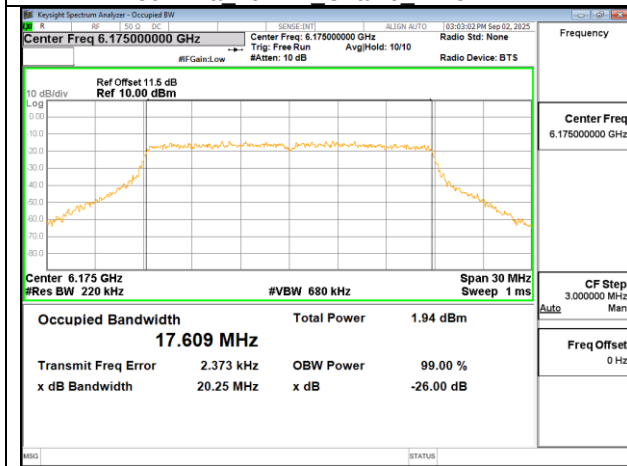
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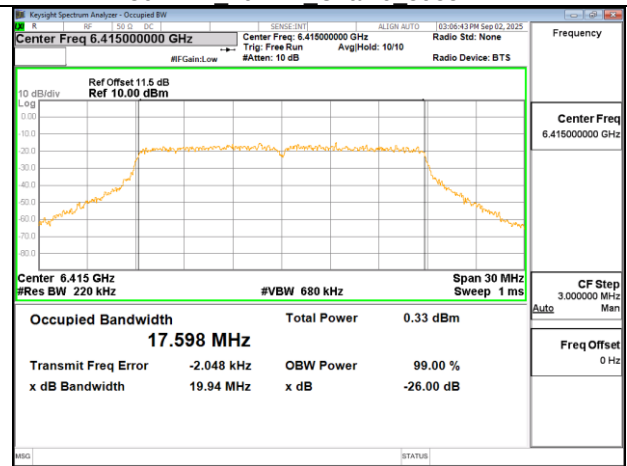
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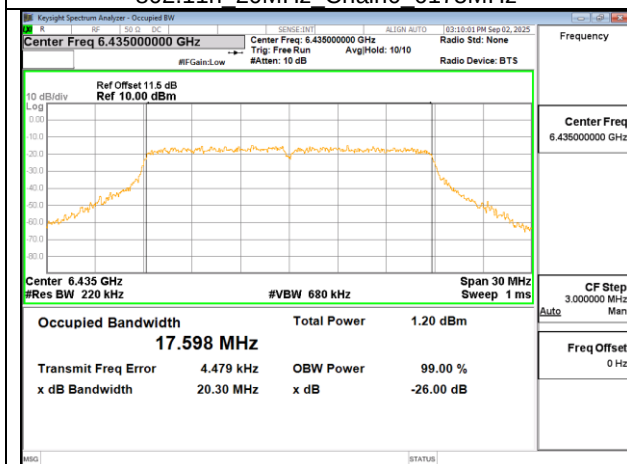
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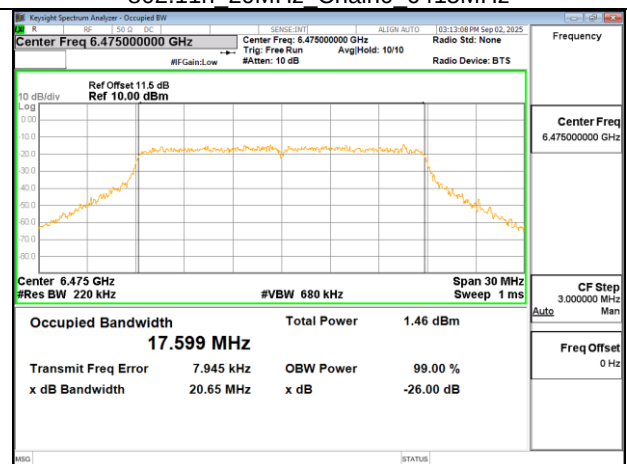
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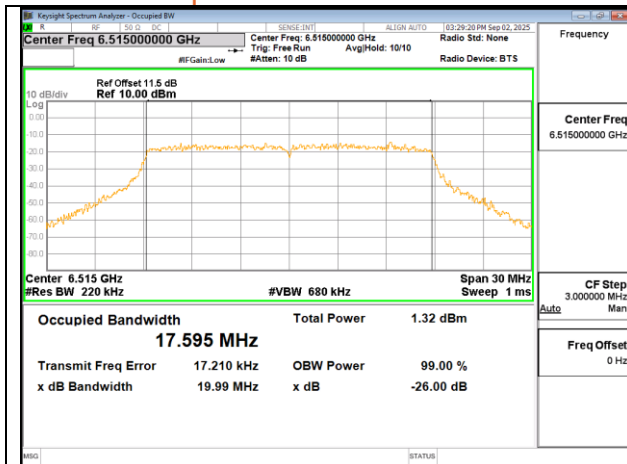


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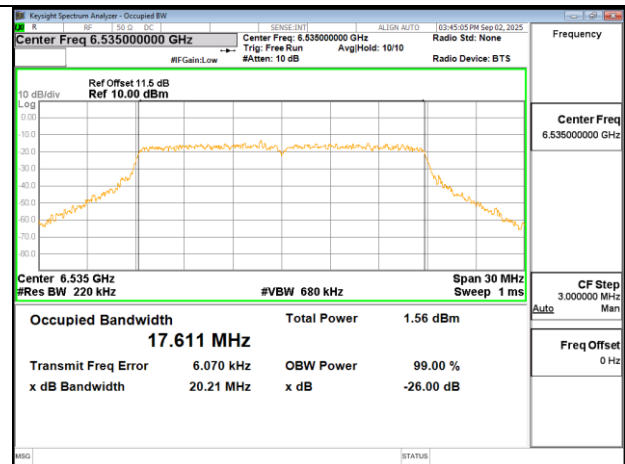
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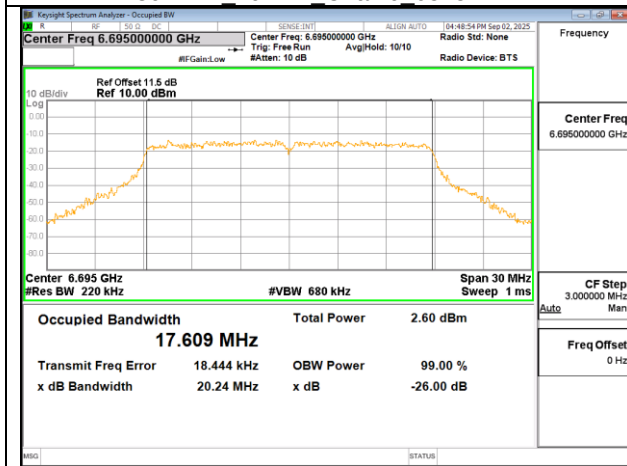
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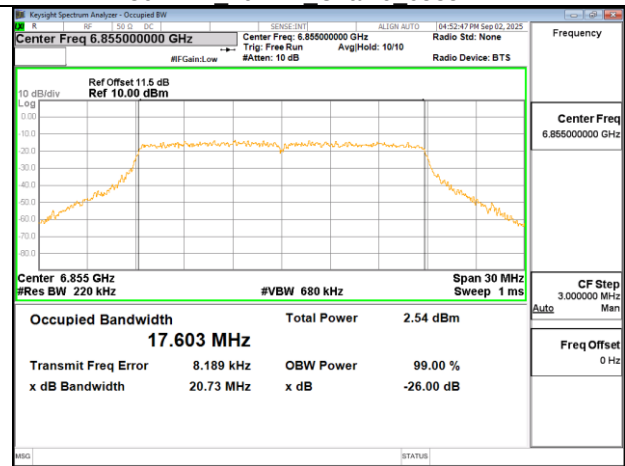
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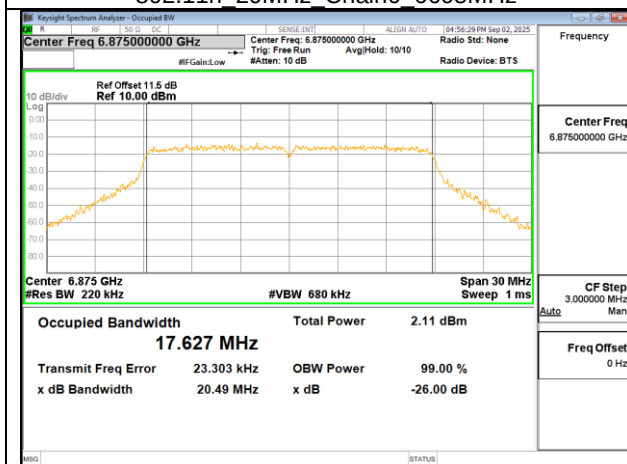
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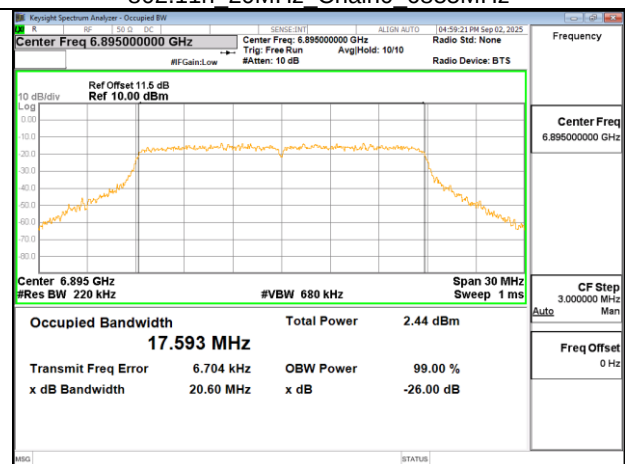
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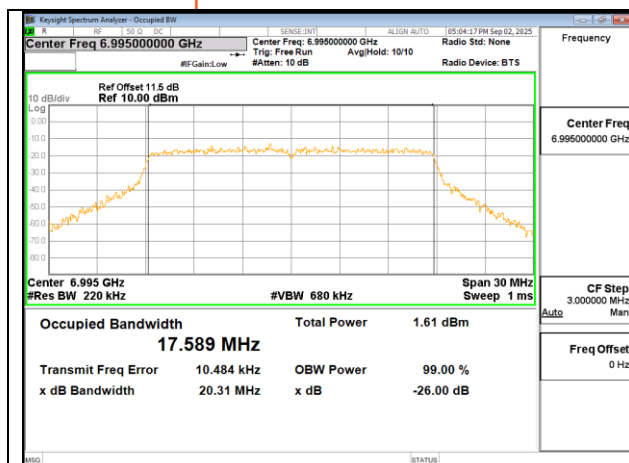


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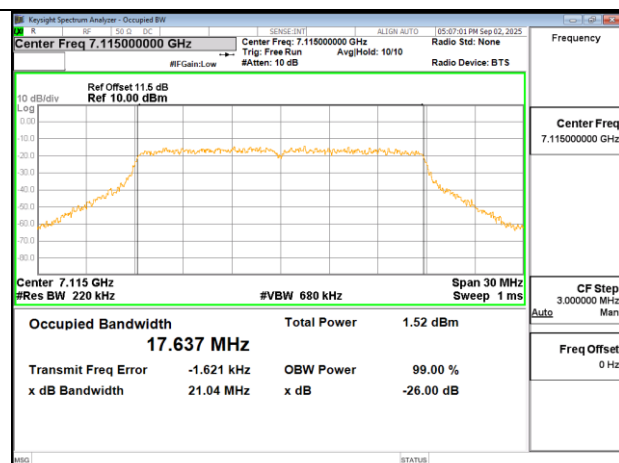
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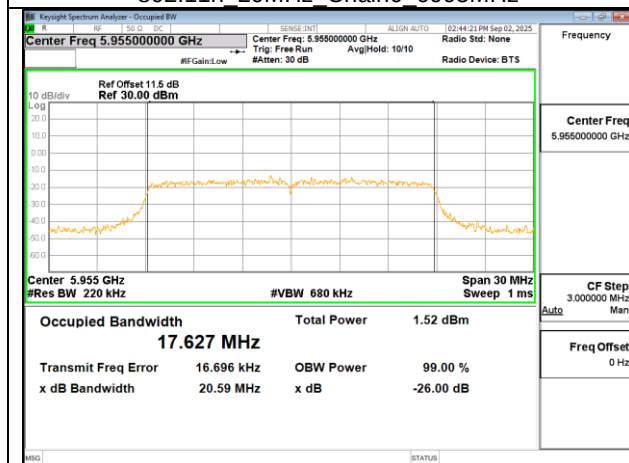
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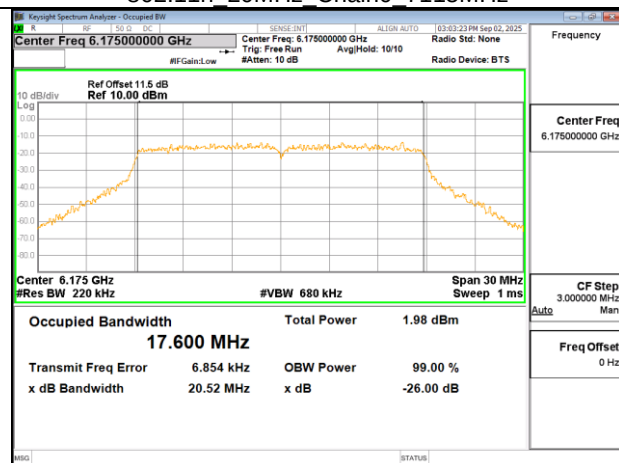
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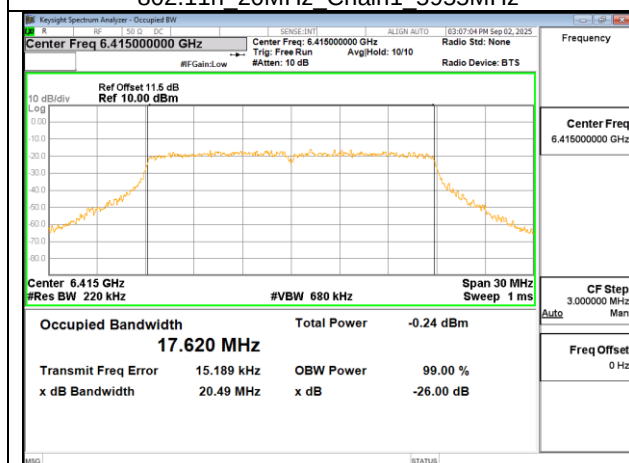
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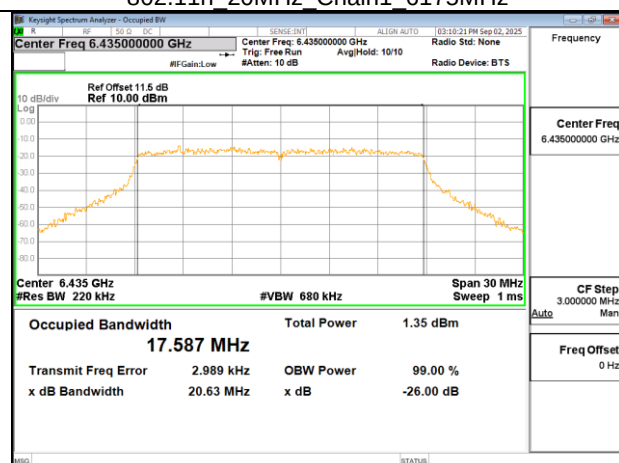
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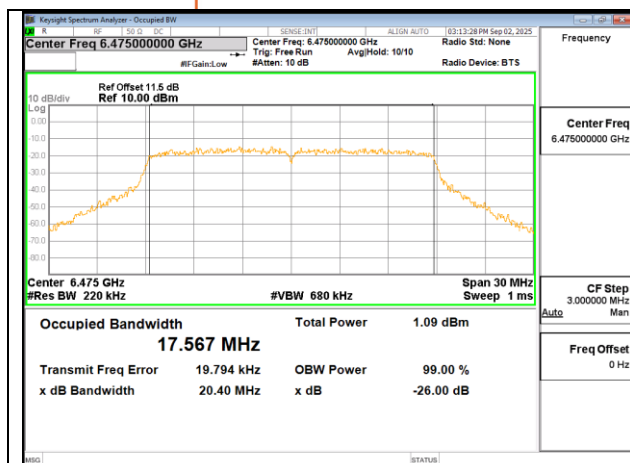


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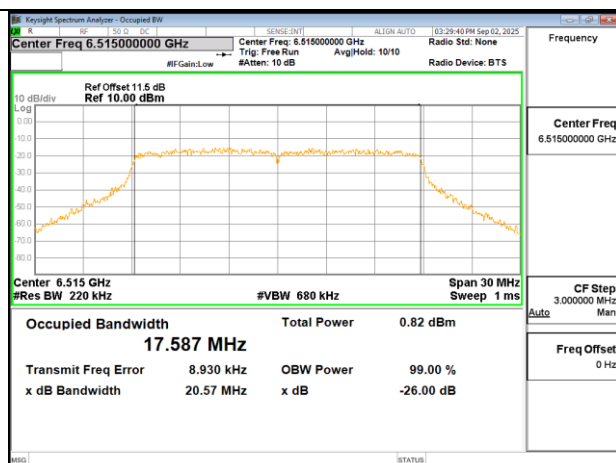
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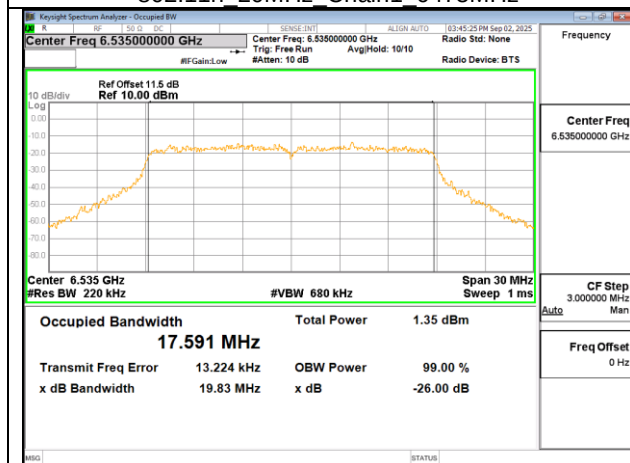
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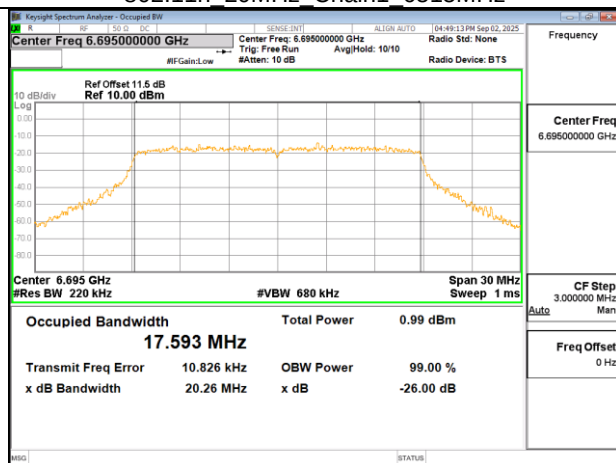
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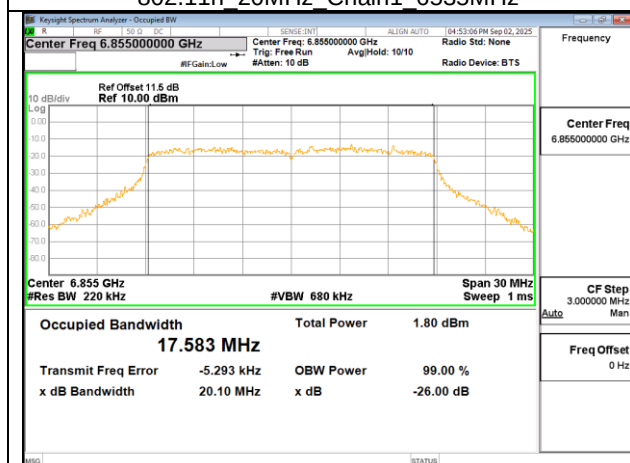
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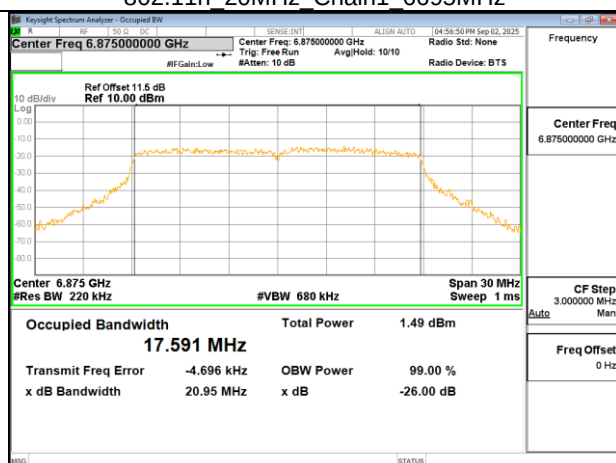
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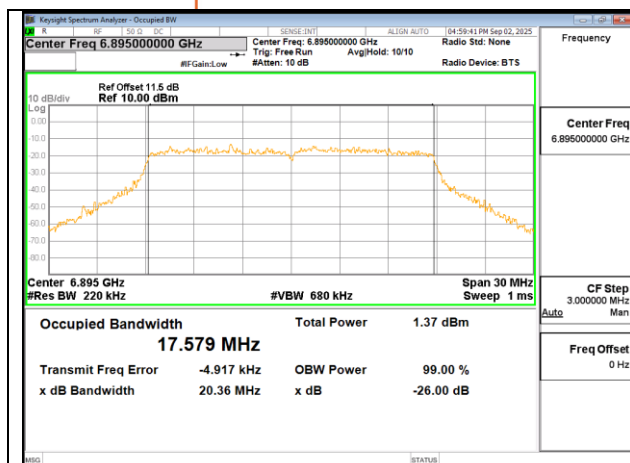


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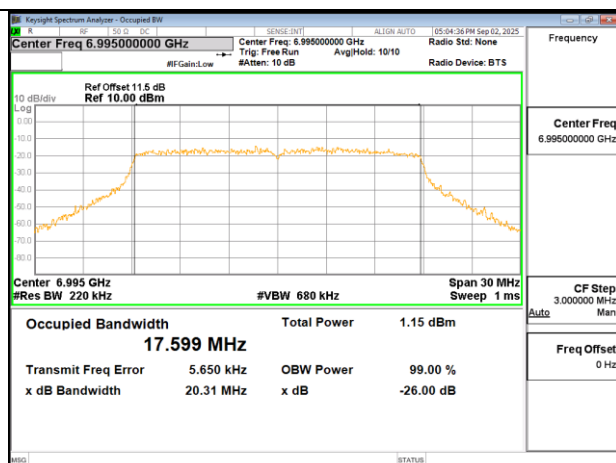
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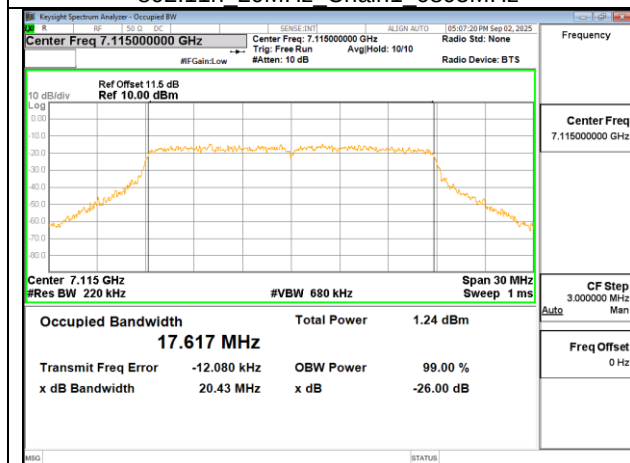
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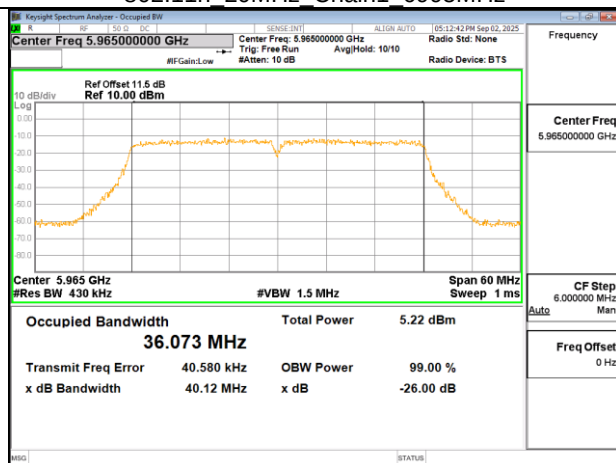
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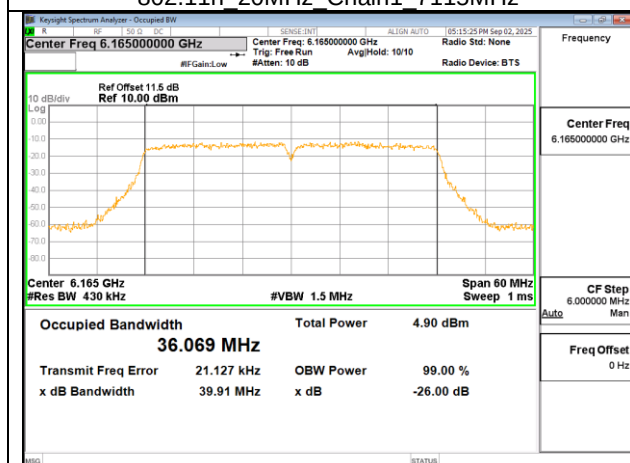
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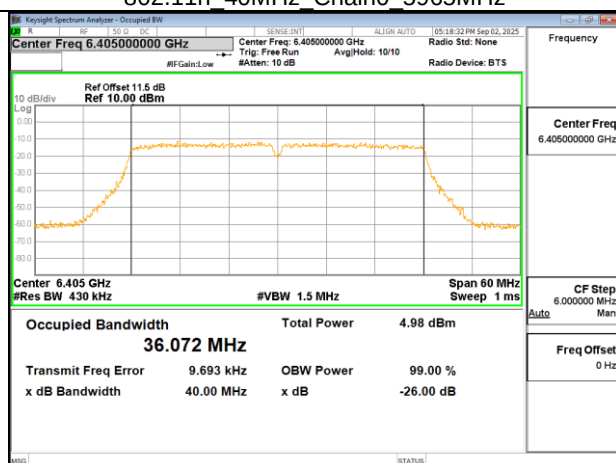
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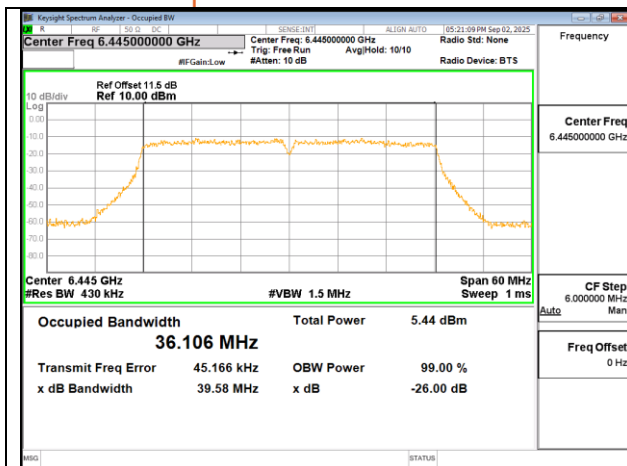


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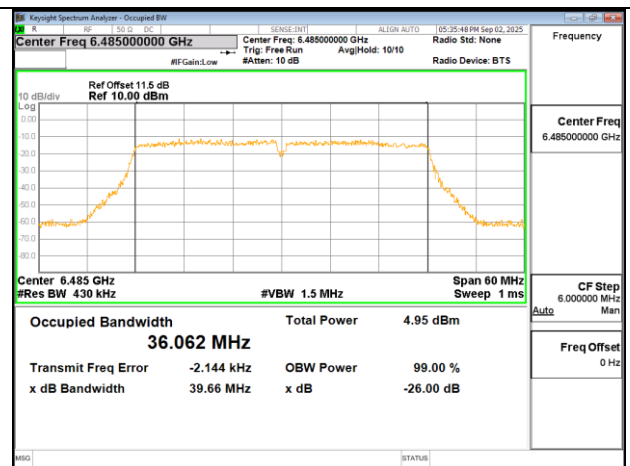
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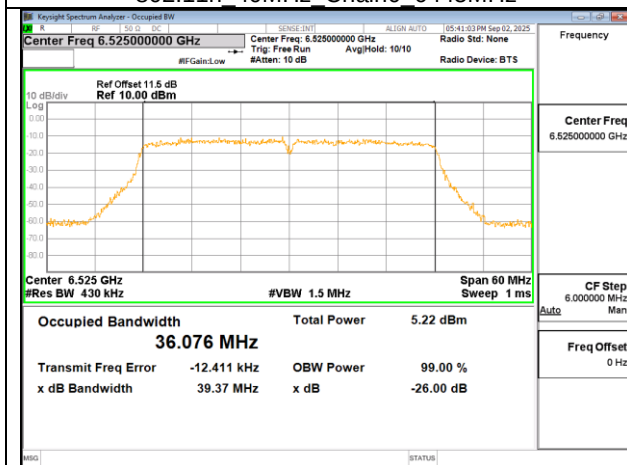
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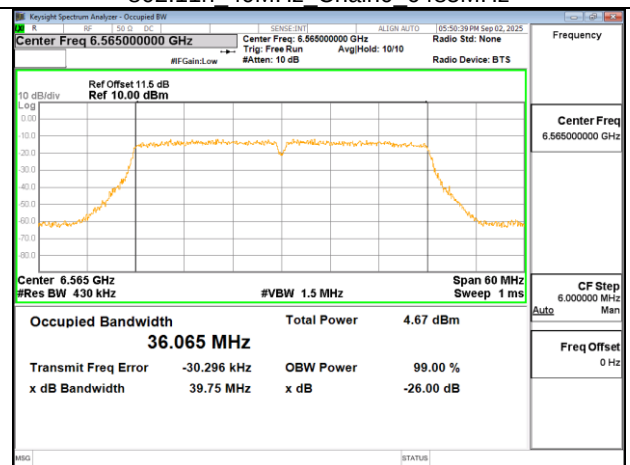
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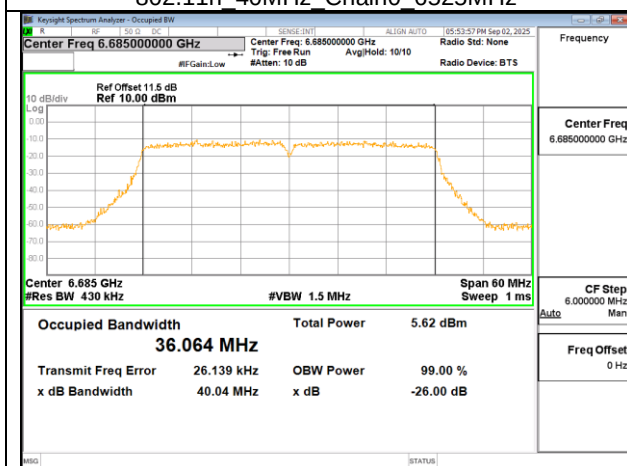
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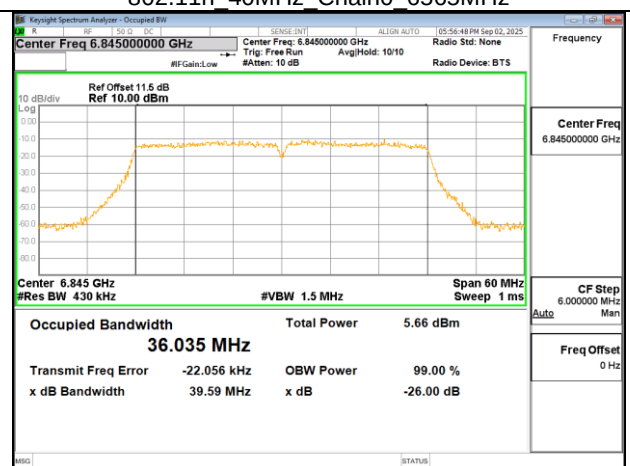
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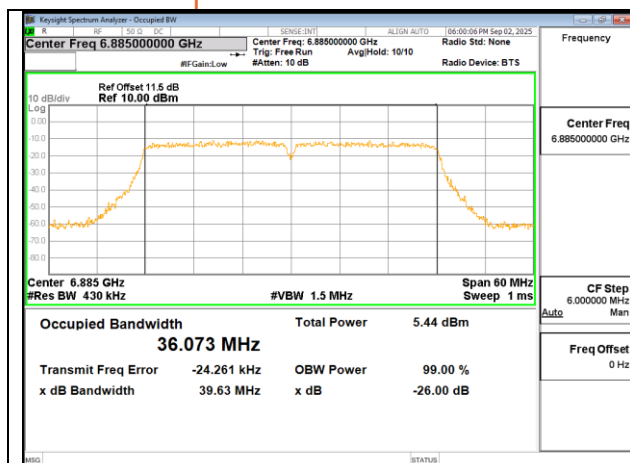


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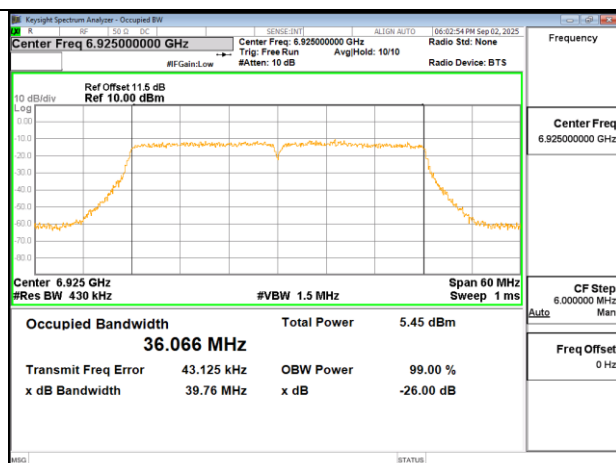
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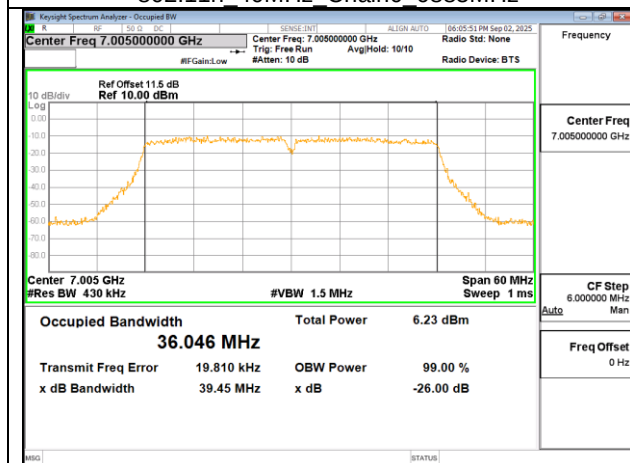
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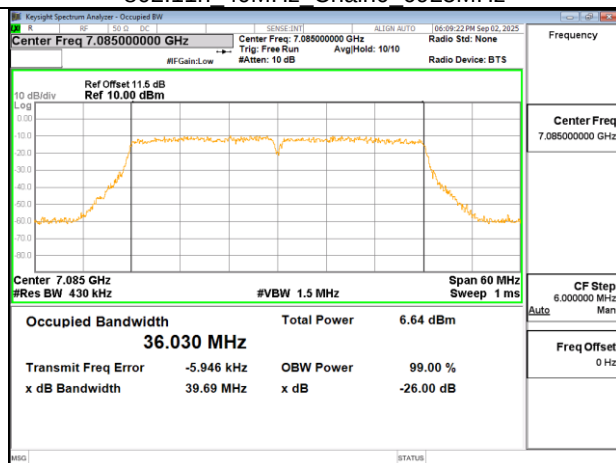
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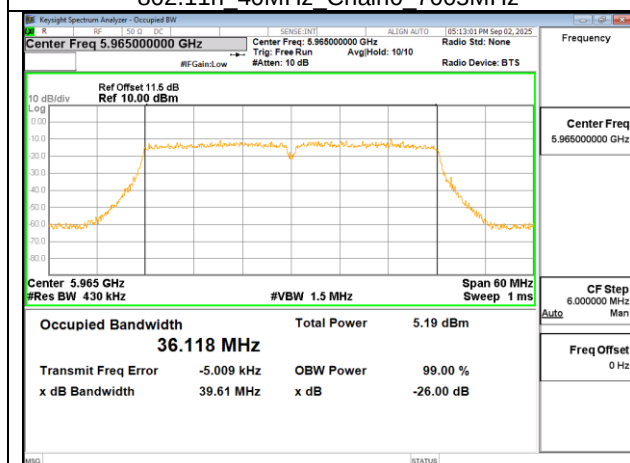
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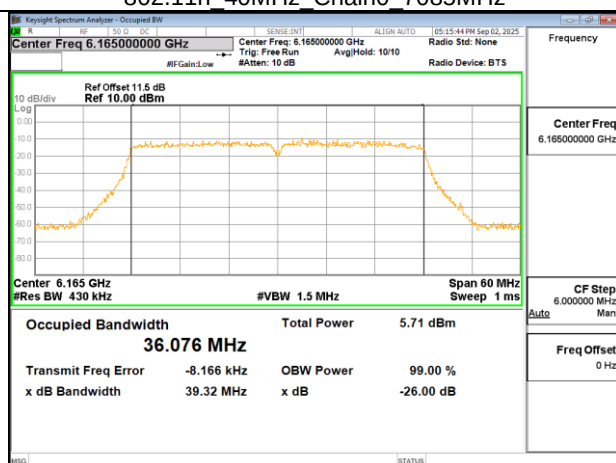
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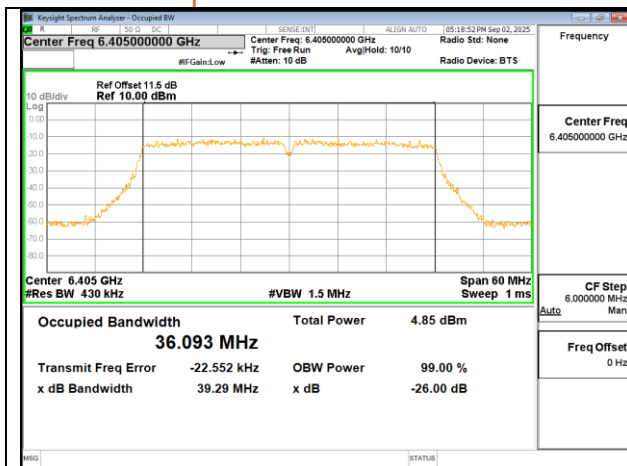


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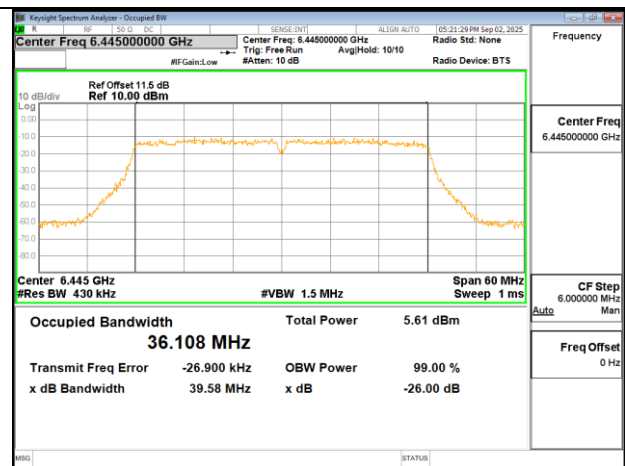
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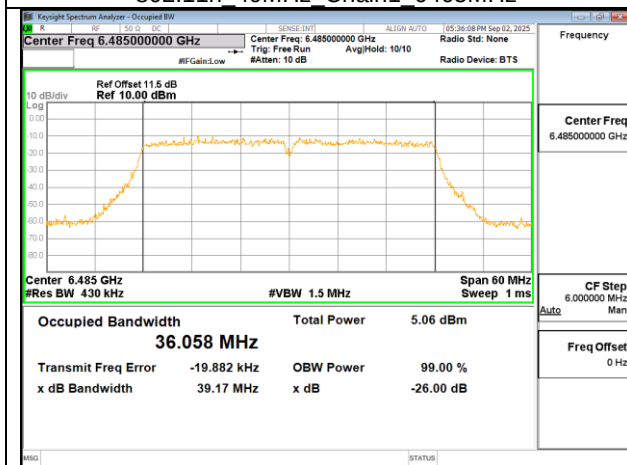
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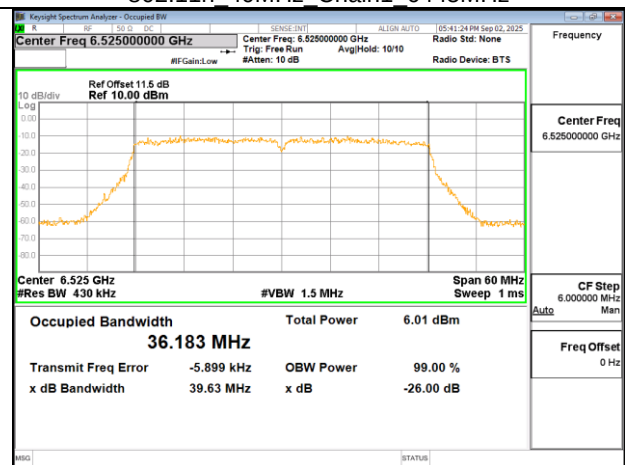
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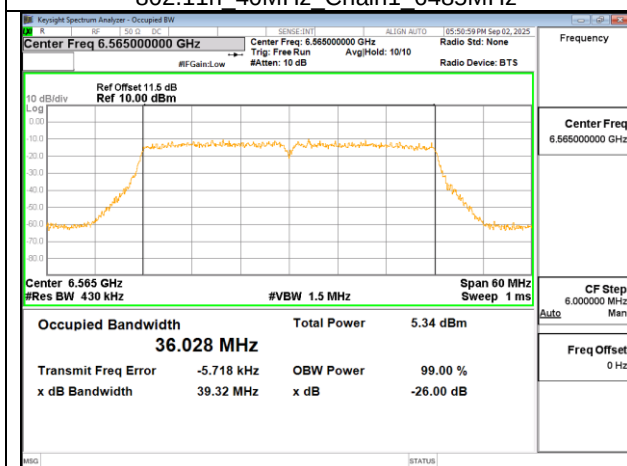
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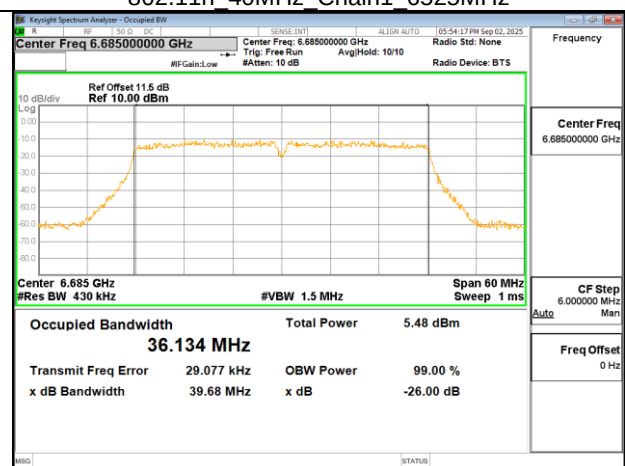
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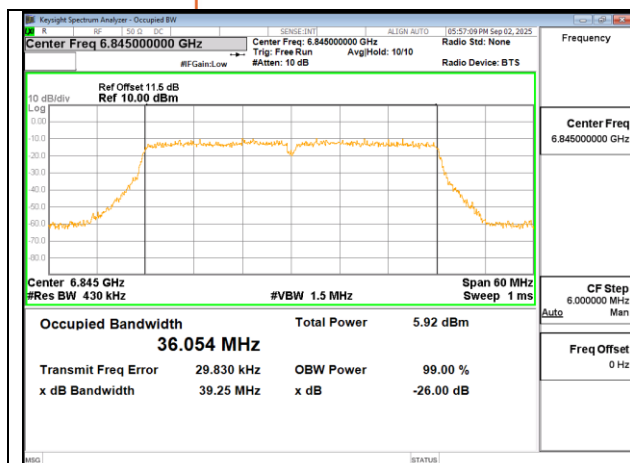


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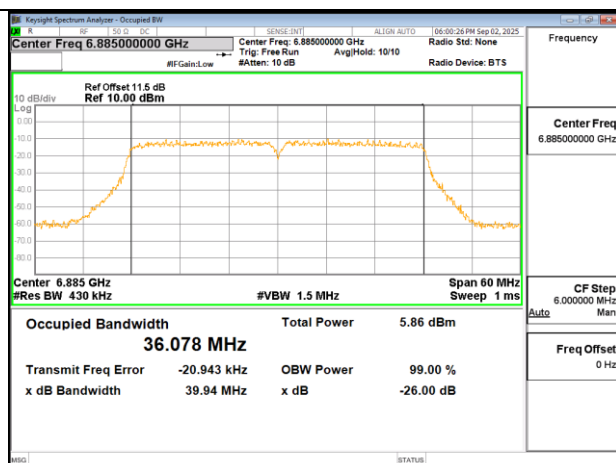
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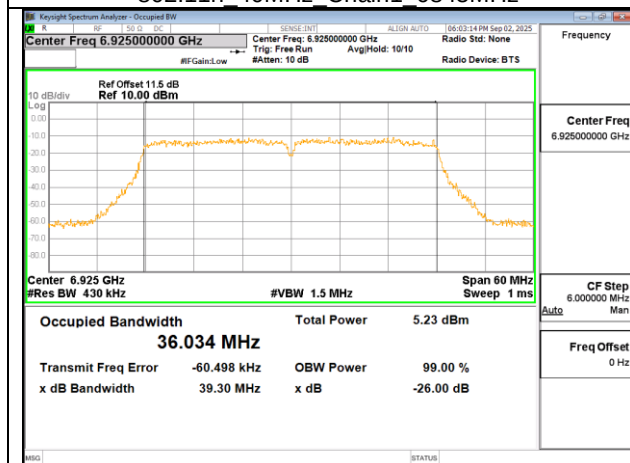
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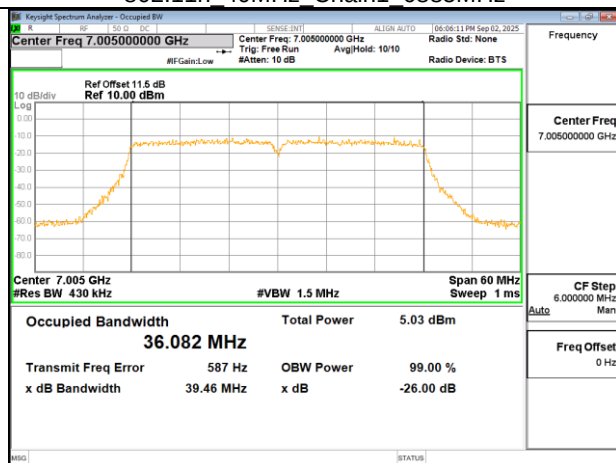
802.11n 40MHz Chain1 6845MHz



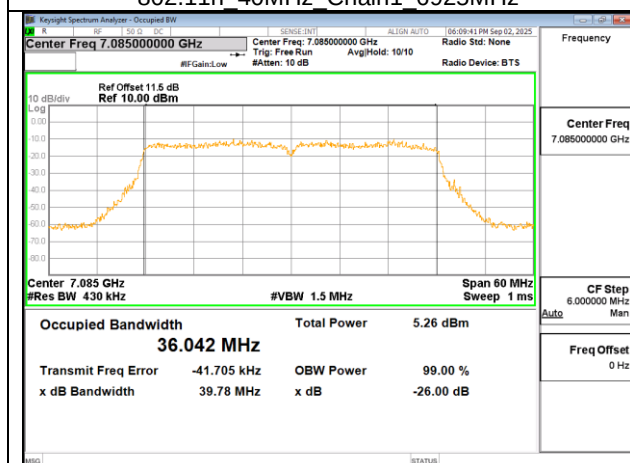
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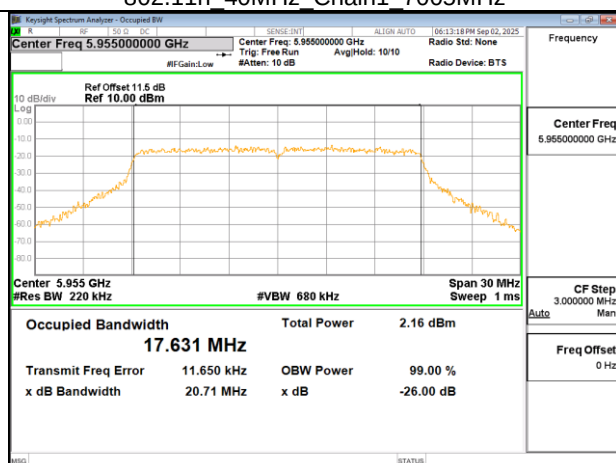
802.11n 40MHz Chain1 6925MHz



802.11n 40MHz Chain1 7005MHz



802.11n 40MHz Chain1 7085MHz



802.11ac 20MHz Chain0 5955MHz

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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