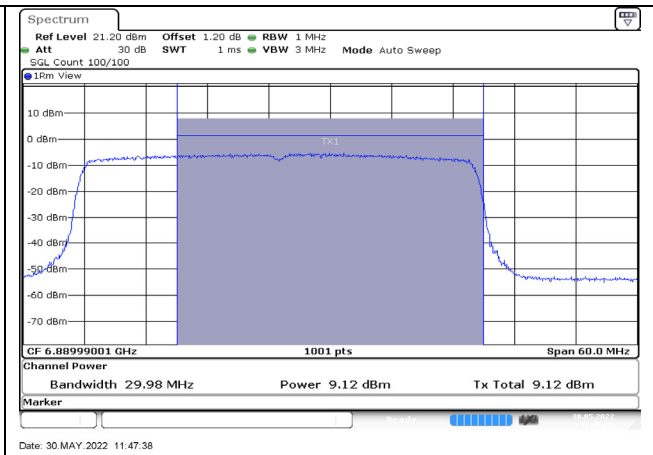
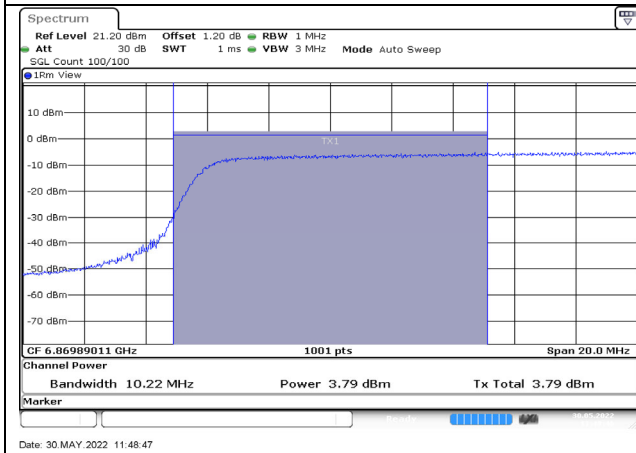


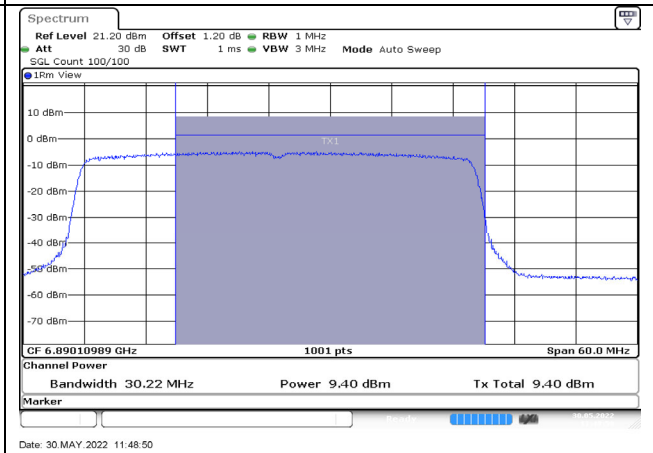
802.11ax40 / 6885MHz / Chain A / NSS-4



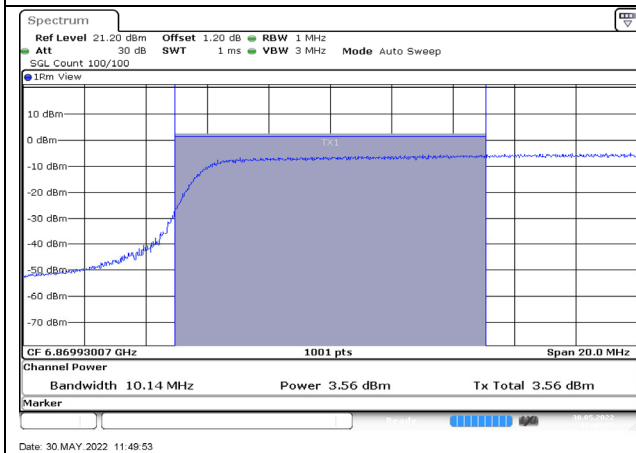
802.11ax40 / 6885MHz / Chain A / NSS-4



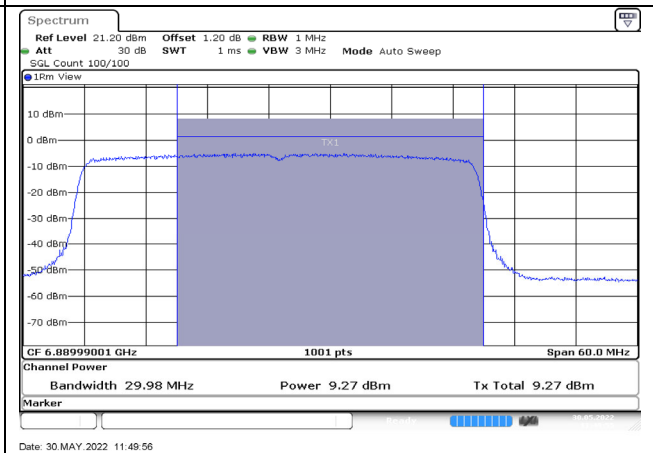
802.11ax40 / 6885MHz / Chain B / NSS-4



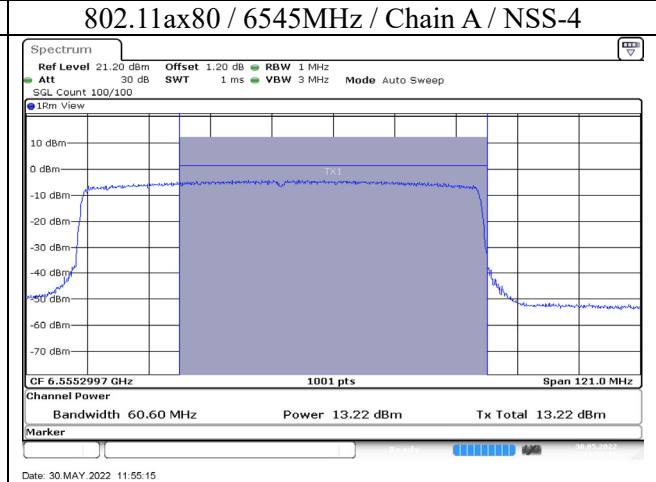
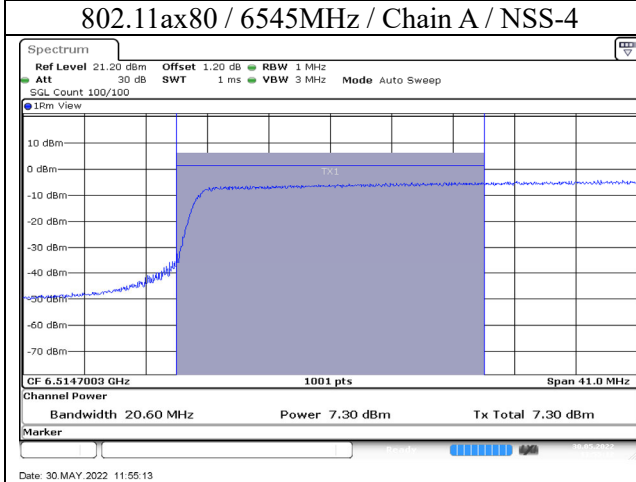
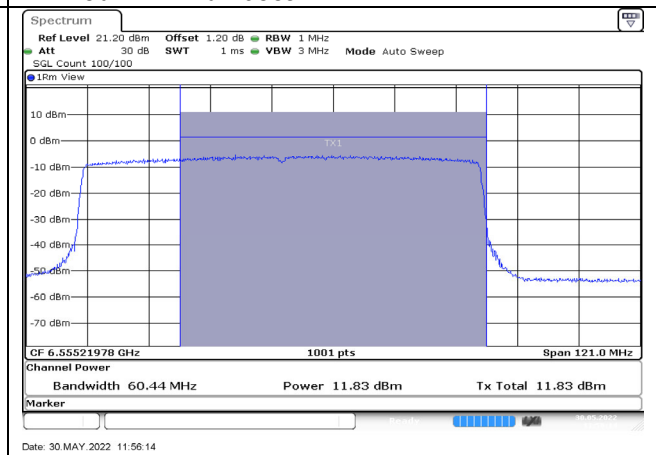
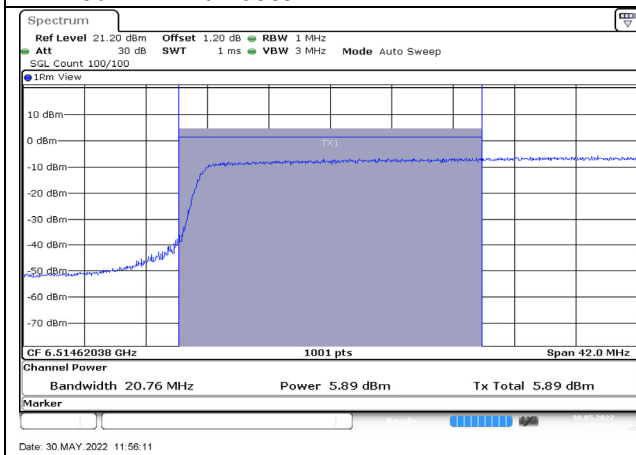
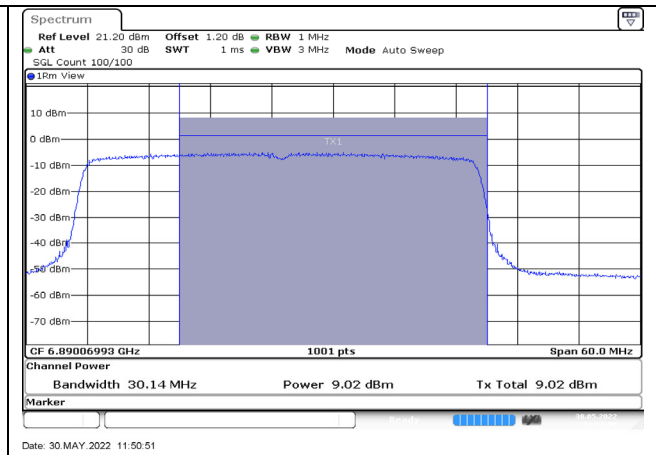
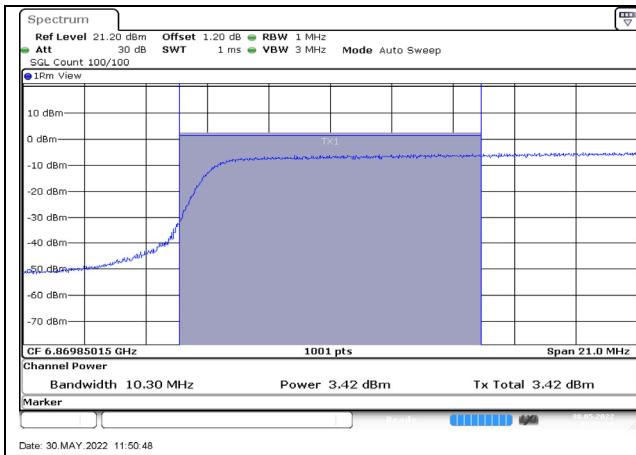
802.11ax40 / 6885MHz / Chain B / NSS-4



802.11ax40 / 6885MHz / Chain C / NSS-4

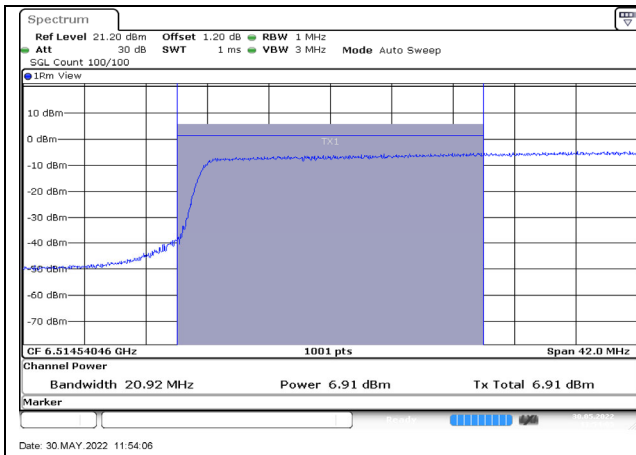


802.11ax40 / 6885MHz / Chain C / NSS-4

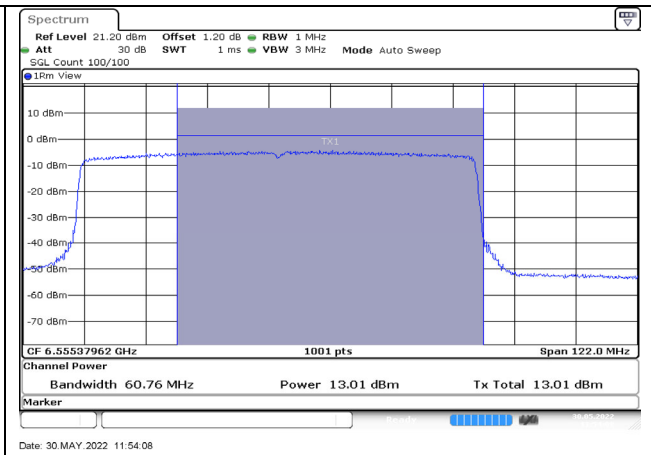


802.11ax80 / 6545MHz / Chain B / NSS-4

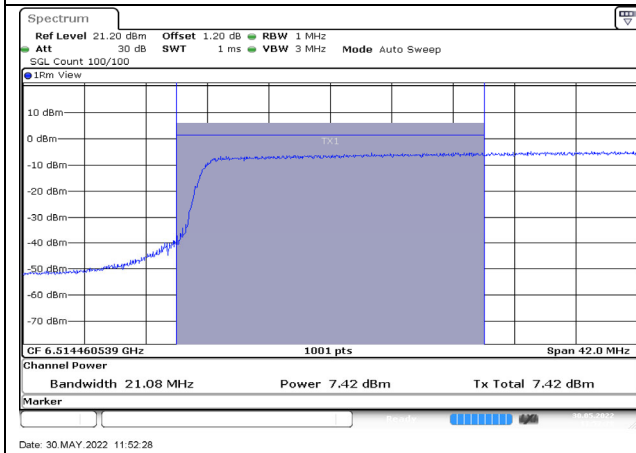
802.11ax80 / 6545MHz / Chain B / NSS-4



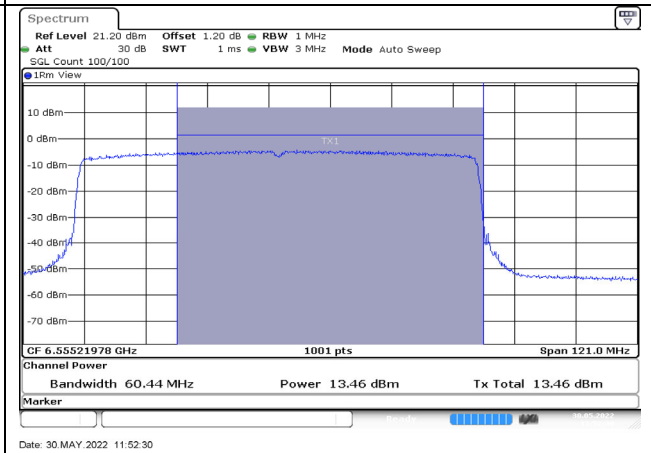
802.11ax80 / 6545MHz / Chain C / NSS-4



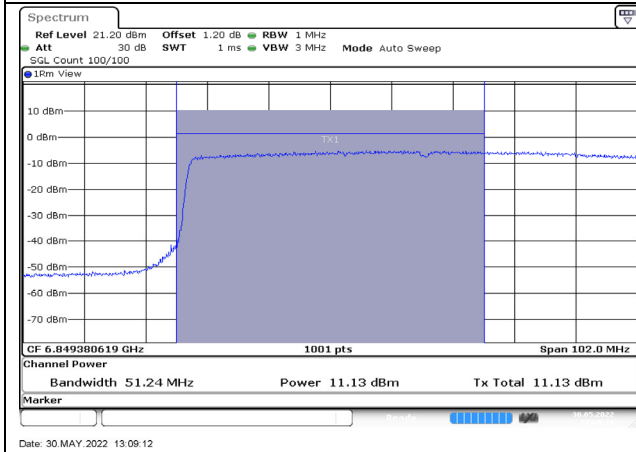
802.11ax80 / 6545MHz / Chain C / NSS-4



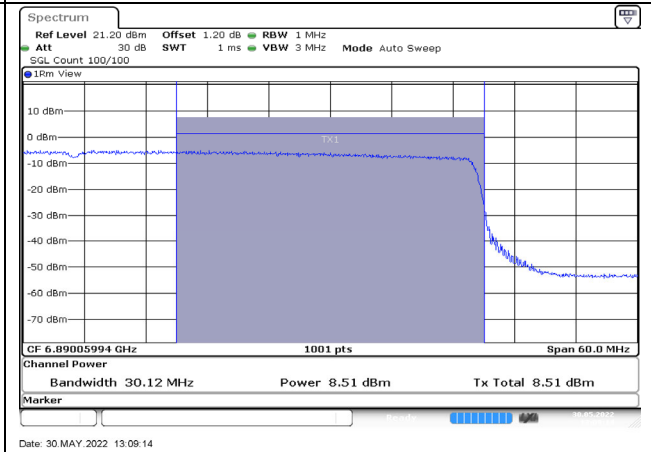
802.11ax80 / 6545MHz / Chain D / NSS-4



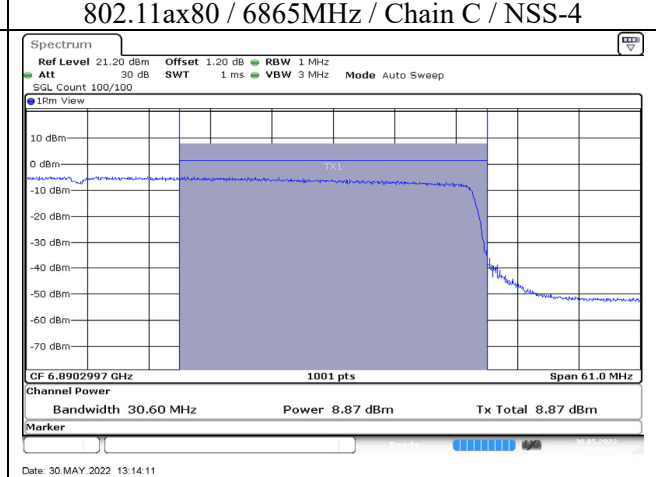
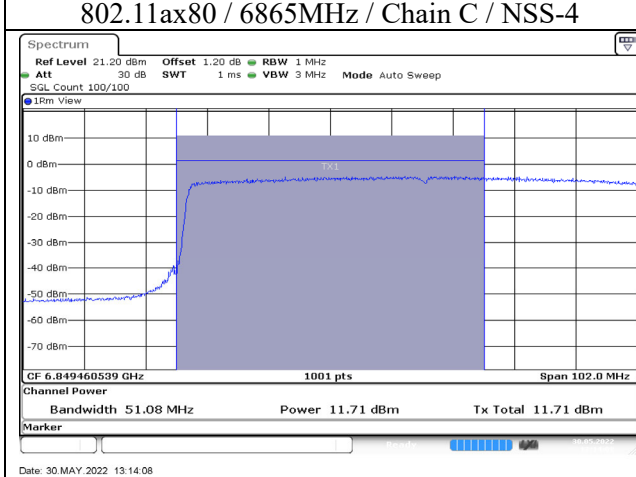
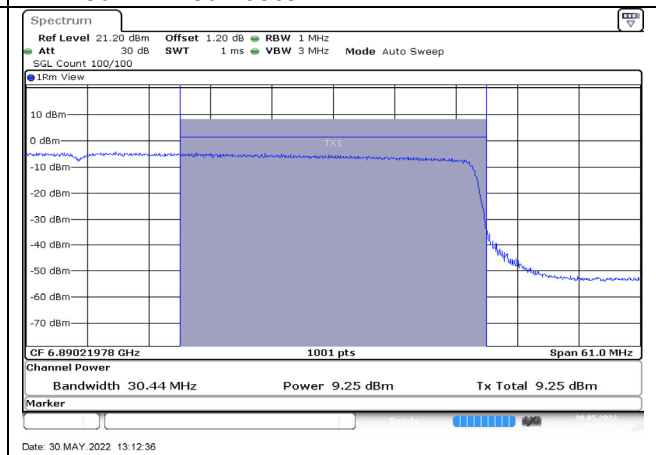
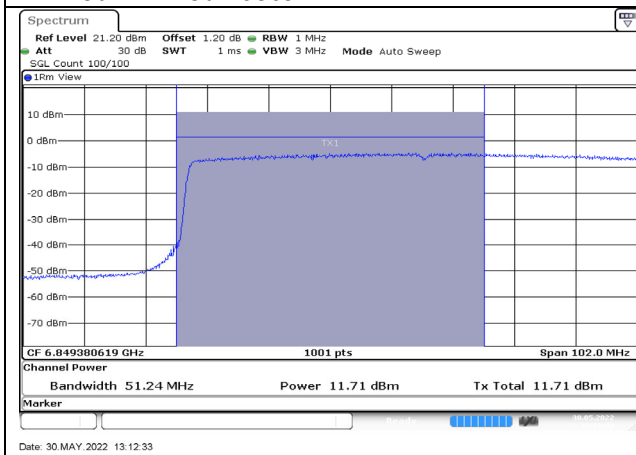
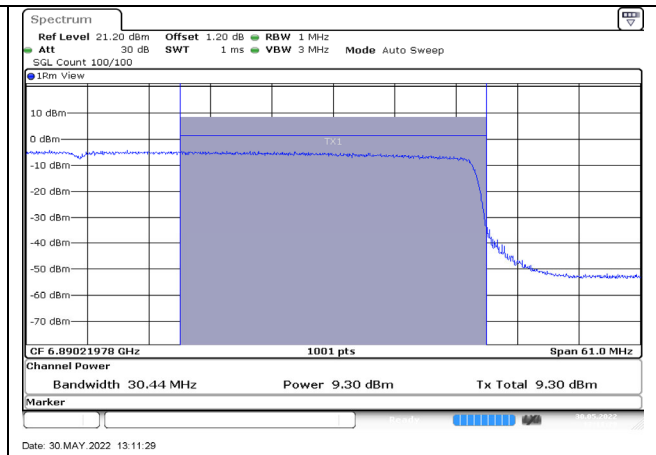
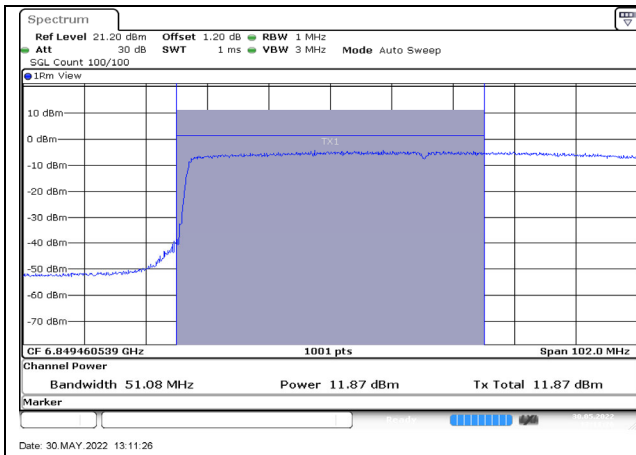
802.11ax80 / 6545MHz / Chain D / NSS-4

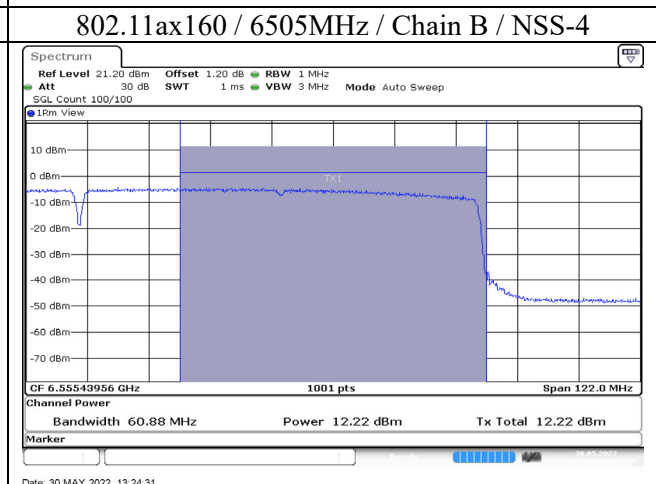
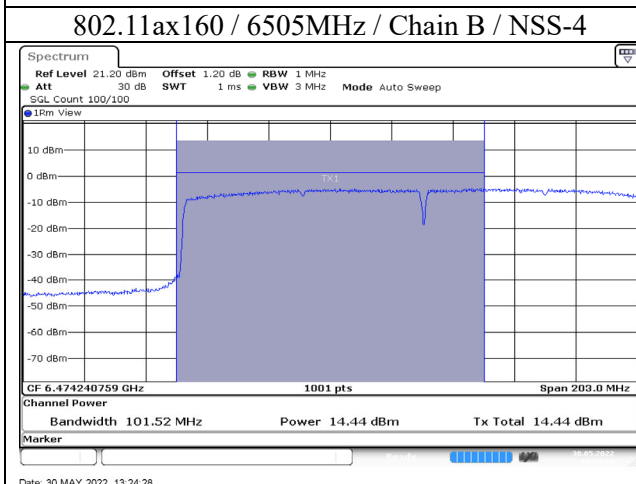
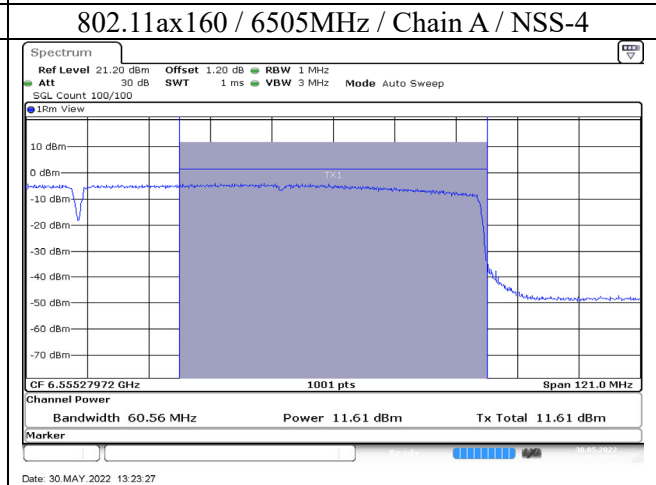
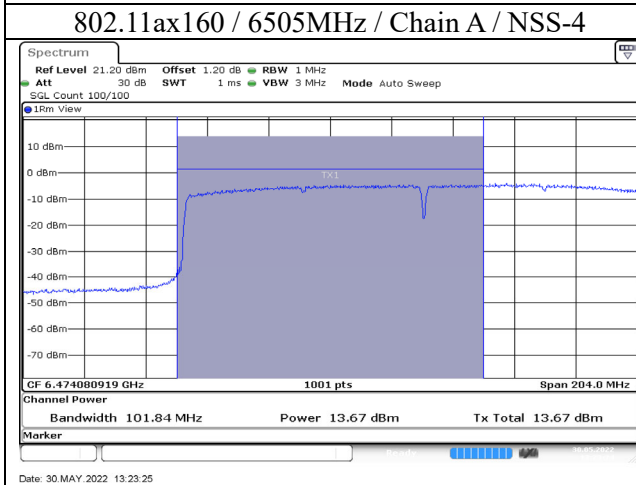
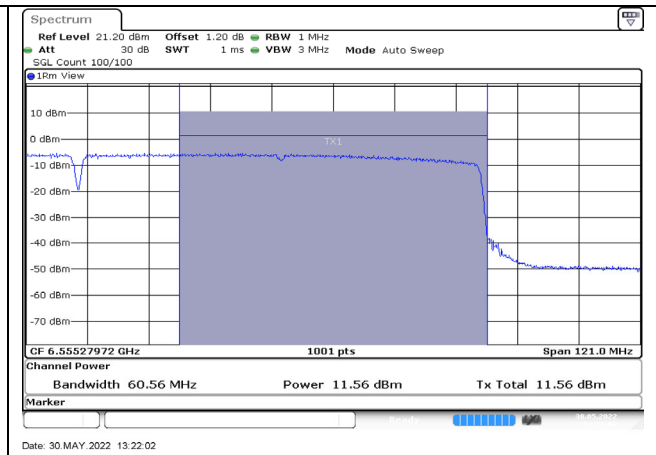
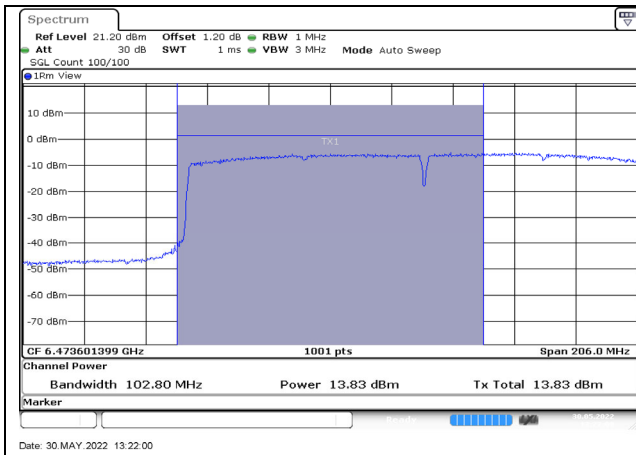


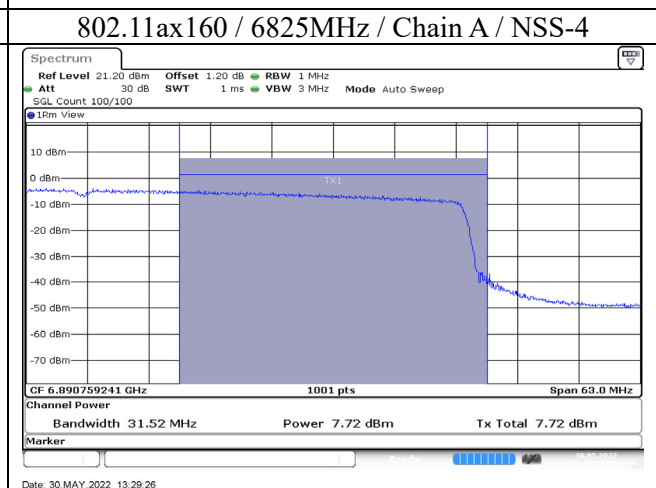
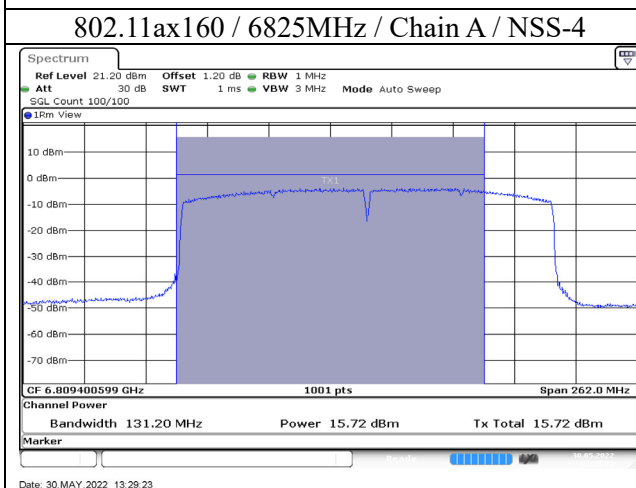
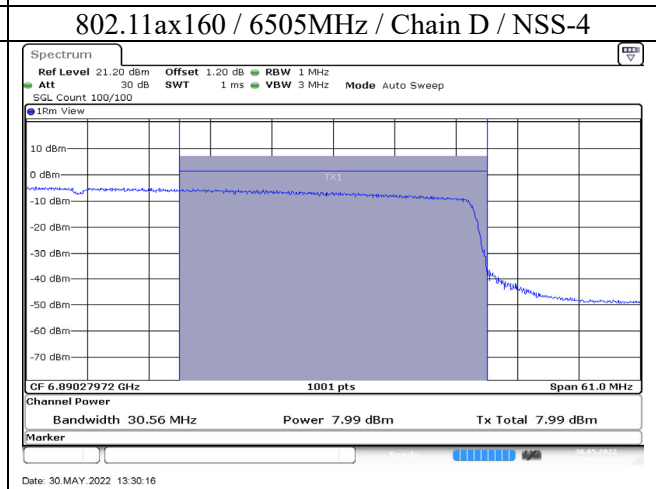
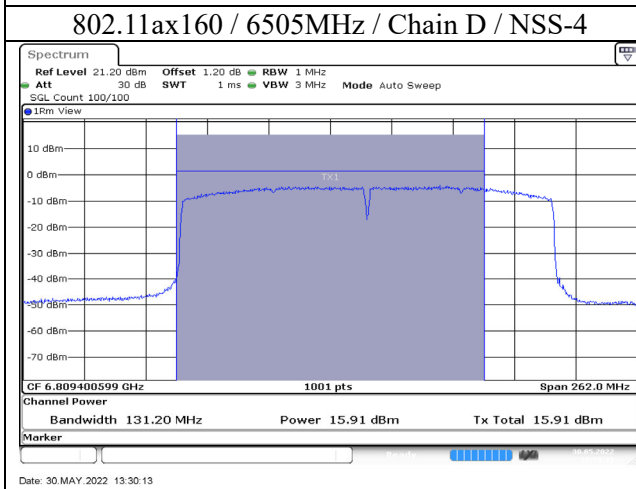
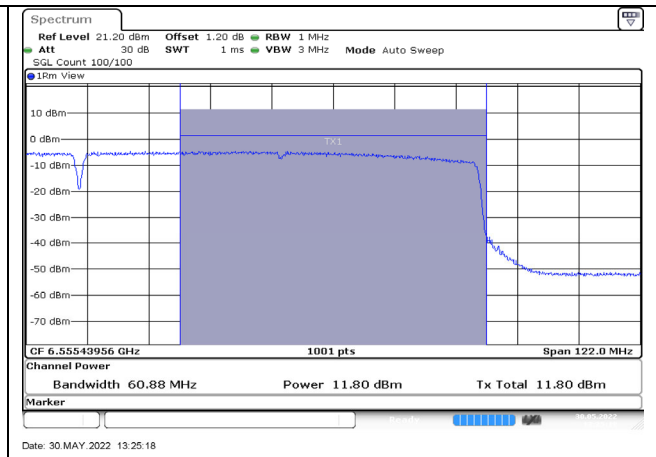
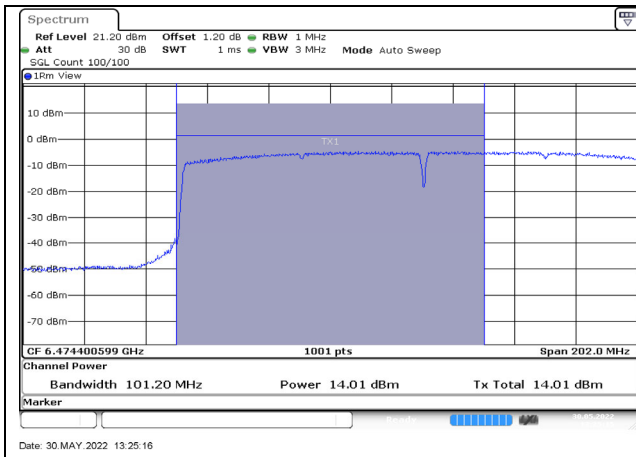
802.11ax80 / 6865MHz / Chain A / NSS-4

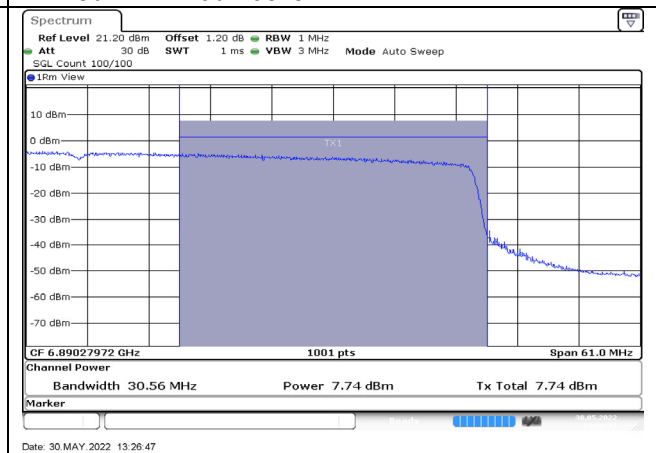
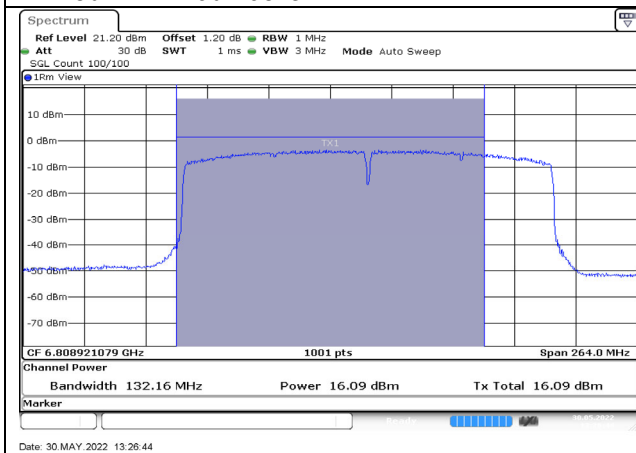
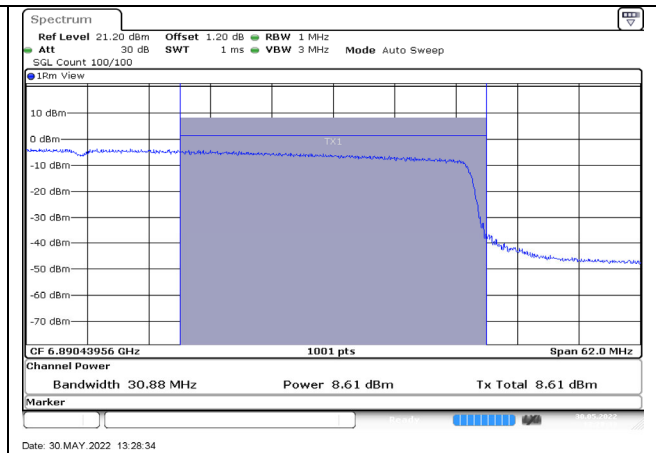
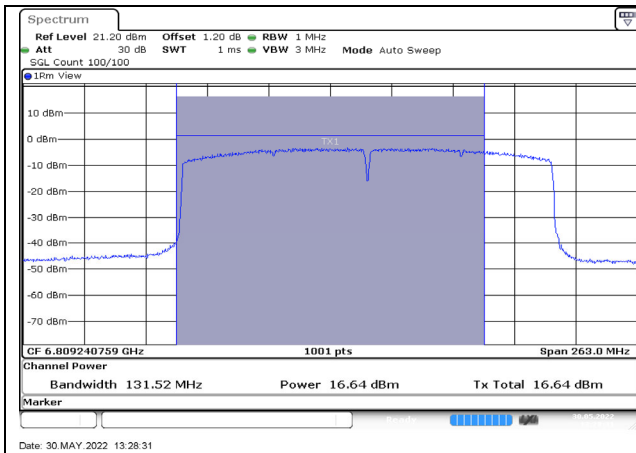


802.11ax80 / 6865MHz / Chain A / NSS-4





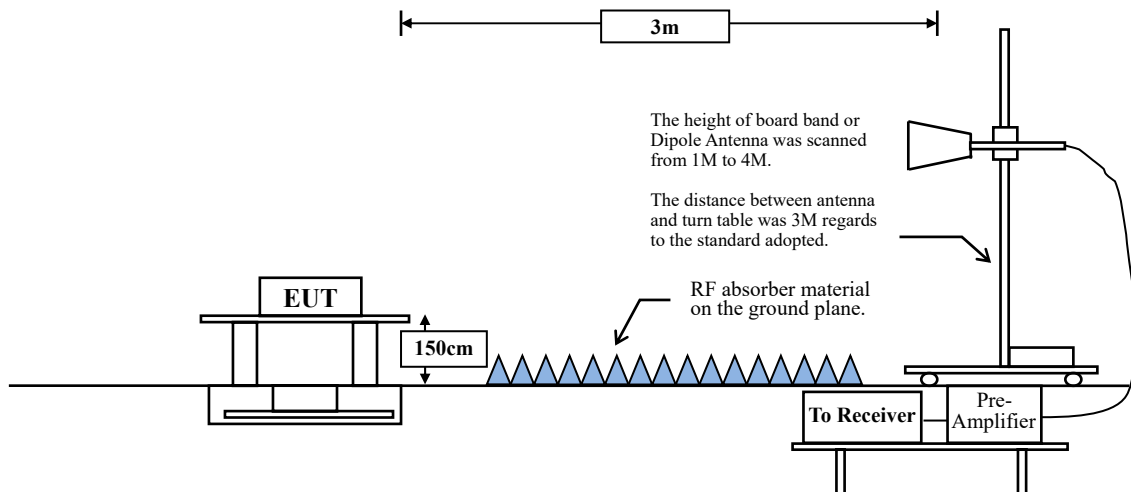




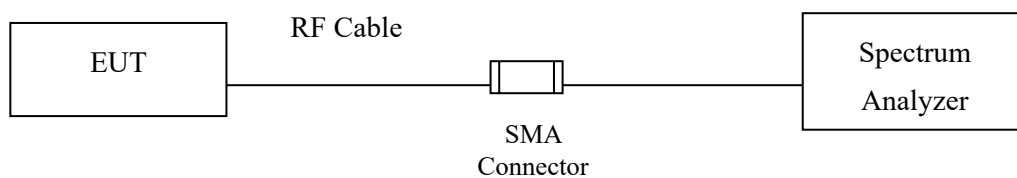
5. Maximun Power Spectrum Density

5.1. Test Setup

Radiated PSD Measurement (for NSS-1)



Conducted PSD Measurement (for NSS-4)



5.2. Limits

1. For the 5.925~6.425 GHz band:
 - For standard power access point and fixed client device : e.i.r.p PSD < 23 dBm/MHz.
 - For indoor access point : e.i.r.p PSD < 5 dBm/MHz.
 - For subordinate device control of an indoor access point : e.i.r.p PSD < 5 dBm/MHz.
 - For client device control of a standard power access point : e.i.r.p PSD < 17 dBm/MHz.
 - For client device control of an indoor access point : e.i.r.p PSD < -1 dBm/MHz.
2. For the 6.425~6.525 GHz band:
 - For indoor access point : e.i.r.p PSD < 5 dBm/MHz.
 - For client device control of an indoor access point : e.i.r.p PSD < -1 dBm/MHz.
3. For the 6.525~6.875 GHz band:
 - For standard power access point and fixed client device : e.i.r.p PSD < 23 dBm/MHz.
 - For indoor access point : e.i.r.p PSD < 5 dBm/MHz.
 - For subordinate device control of an indoor access point : e.i.r.p PSD < 5 dBm/MHz.
 - For client device control of a standard power access point : e.i.r.p PSD < 17 dBm/MHz.
 - For client device control of an indoor access point : e.i.r.p PSD < -1 dBm/MHz.
4. For the 6.875~7.125 GHz band:
 - For indoor access point : e.i.r.p PSD < 5 dBm/MHz.
 - For client device control of an indoor access point : e.i.r.p PSD < -1 dBm/MHz.

5.3. Test Procedure

Radiated

1. The EUT was setup to ANSI C63.10: 2013; tested to U-NII test procedure of KDB 789033 D02 v02r01 Method SA-2 for compliance to FCC CFR Title 47 Part 15 Subpart E requirements.
2. The EUT is placed on a turn table which is 1.5 meter above ground and the turn table is rotated 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters. The antenna is scanned between 1 meter and 4 meters to find out the maximum emission level.
3. Perform a field strength measurement following ANSI C63.10 and record the worst field strength value via spectrum reading obtained corrected for antenna factor, cable loss and pre-amplifier factor and then convert the measured field strength level to EIRP level.
4. Following ANSI C63.10 and KDB 412172 D01 v01r01,
EIRP value (dBm) = Field strength value (dBuV/m) + Correction factor (dB) @3m
Correction factor (dB) @3m = $20 \cdot \log(3) - 104.77 = -95.23\text{dB}$

Conducted

As an alternative to FCC KDB-789033, the EUT maximum conducted output power was measured with an average power meter employing a video bandwidth greater than the 6dB BW of the emission under test. Maximum conducted output power was read directly from the meter across all data rates, and across three channels within each sub-band. Special care was used to make sure that the EUT was transmitting in continuous mode. This method exceeds the Limitations of FCC KDB-789033, and provides more accurate measurements.

802.11an (BW \leq 40MHz) Maximum conducted output power using KDB 789033 section E)3)b)
Method PM-G (Measurement using a gated RF average power meter)

Note: the power meter has a video bandwidth that is greater than or equal to the measurement bandwidth, (Anritsu/ MA2411B video bandwidth: 65MHz)

802.11ac (BW=80MHz) Maximum conducted output power using KDB 789033 section E)2)b)
Method SA-1 (trace averaging with the EUT transmitting at full power throughout each sweep).

When transmitted signals consist of two or more non-contiguous spectrum segments (e.g., 80+80 MHz mode) or when a single spectrum segment of a transmission crosses the boundary between two adjacent U-NII bands, KDB 644545 D03 section D) procedure is used for measurements.

5.4. Test Result of Maximun Power Spectral Density

Product : RadiX AXE6600 WiFi 6E Tri-Band Gaming Router
 Test Item : Maximun Power Spectral Density
 Test Mode : Mode 1: Transmit (802.11a-CDD) - NSS-1
 Test Date : 2022/06/02

Channel No.	Frequency (MHz)	Reading Level (dBuV/m)	Path Loss (dB)	Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)
33	6115	80.18	18.67	98.85	0.49	-95.23	4.11	5
61	6255	80.46	19.02	99.48	0.49	-95.23	4.74	5
93	6415	80.40	19.20	99.60	0.49	-95.23	4.86	5
97	6435	80.27	19.21	99.48	0.49	-95.23	4.74	5
105	6475	80.57	19.11	99.68	0.49	-95.23	4.94	5
113	6515	80.62	19.10	99.72	0.49	-95.23	4.98	5
117	6535	80.31	19.22	99.53	0.49	-95.23	4.79	5
149	6695	80.32	19.41	99.73	0.49	-95.23	4.99	5
181	6855	79.90	19.57	99.47	0.49	-95.23	4.73	5
185	6875	80.03	19.62	99.65	0.49	-95.23	4.91	5
189	6895	80.00	19.69	99.69	0.49	-95.23	4.95	5
213	7015	79.89	19.80	99.69	0.49	-95.23	4.95	5
229	7095	79.26	19.93	99.19	0.49	-95.23	4.45	5

Product : RadiX AXE6600 WiFi 6E Tri-Band Gaming Router
 Test Item : Maximun Power Spectral Density
 Test Mode : Mode 2: Transmit (802.11ax-20BW-CDD) - NSS-1
 Test Date : 2022/06/02

Channel No.	Frequency (MHz)	Reading Level (dBuV/m)	Path Loss (dB)	Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)
33	6115	80.64	18.67	99.31	0.28	-95.23	4.36	5
61	6255	80.27	19.02	99.29	0.28	-95.23	4.34	5
93	6415	80.61	19.21	99.82	0.28	-95.23	4.87	5
97	6435	80.39	19.21	99.60	0.28	-95.23	4.65	5
105	6475	80.67	19.16	99.83	0.28	-95.23	4.88	5
113	6515	80.41	19.16	99.57	0.28	-95.23	4.62	5
117	6535	80.38	19.25	99.63	0.28	-95.23	4.68	5
149	6695	80.13	19.43	99.56	0.28	-95.23	4.61	5
181	6855	79.99	19.61	99.60	0.28	-95.23	4.65	5
185	6875	80.32	19.61	99.93	0.28	-95.23	4.98	5
189	6895	79.56	19.72	99.28	0.28	-95.23	4.33	5
213	7015	79.67	19.82	99.49	0.28	-95.23	4.54	5
229	7095	79.69	19.92	99.61	0.28	-95.23	4.66	5

Product : RadiX AXE6600 WiFi 6E Tri-Band Gaming Router
Test Item : Maximun Power Spectral Density
Test Mode : Mode 3: Transmit (802.11ax-40BW-CDD) - NSS-1
Test Date : 2022/06/02

Channel No.	Frequency (MHz)	Reading Level (dBUV/m)	Path Loss (dB)	Field Strength (dBUV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)
35	6125	80.92	18.69	99.61	0.36	-95.23	4.74	5
59	6245	80.39	18.83	99.22	0.36	-95.23	4.35	5
91	6405	80.37	19.20	99.57	0.36	-95.23	4.70	5
99	6445	80.28	19.21	99.49	0.36	-95.23	4.62	5
107	6485	80.47	19.14	99.61	0.36	-95.23	4.74	5
115	6525	80.16	19.15	99.31	0.36	-95.23	4.44	5
123	6565	80.55	19.29	99.84	0.36	-95.23	4.97	5
155	6725	79.61	19.53	99.14	0.36	-95.23	4.27	5
179	6845	80.24	19.59	99.83	0.36	-95.23	4.96	5
185	6885	79.99	19.64	99.63	0.36	-95.23	4.76	5
195	6925	79.70	19.71	99.41	0.36	-95.23	4.54	5
211	7005	79.89	19.82	99.71	0.36	-95.23	4.84	5
227	7085	79.67	19.92	99.59	0.36	-95.23	4.72	5

Product : RadiX AXE6600 WiFi 6E Tri-Band Gaming Router
Test Item : Maximun Power Spectral Density
Test Mode : Mode 4: Transmit (802.11ax-80BW-CDD) - NSS-1
Test Date : 2022/06/02

Channel No.	Frequency (MHz)	Reading Level (dBuV/m)	Path Loss (dB)	Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)
39	6145	80.47	18.84	99.31	0.36	-95.23	4.44	5
55	6225	80.40	18.83	99.23	0.36	-95.23	4.36	5
87	6385	80.38	19.21	99.59	0.36	-95.23	4.72	5
103	6465	80.30	19.20	99.50	0.36	-95.23	4.63	5
119	6545	80.32	19.29	99.61	0.36	-95.23	4.74	5
135	6625	79.86	19.35	99.21	0.36	-95.23	4.34	5
151	6705	80.03	19.43	99.46	0.36	-95.23	4.59	5
167	6785	79.91	19.73	99.64	0.36	-95.23	4.77	5
183	6865	80.17	19.58	99.75	0.36	-95.23	4.88	5
199	6945	79.72	19.71	99.43	0.36	-95.23	4.56	5
215	7025	79.64	19.78	99.42	0.36	-95.23	4.55	5

Product : RadiX AXE6600 WiFi 6E Tri-Band Gaming Router
Test Item : Maximun Power Spectral Density
Test Mode : Mode 5: Transmit (802.11ax-160BW-CDD) - NSS-1
Test Date : 2022/06/02

Channel No.	Frequency (MHz)	Reading Level (dBuV/m)	Path Loss (dB)	Field Strength (dBuV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)
47	6185	80.84	18.83	99.67	0.41	-95.23	4.85	5
79	6345	80.21	19.11	99.32	0.41	-95.23	4.50	5
111	6505	80.09	19.2	99.29	0.41	-95.23	4.47	5
143	6665	80.03	19.34	99.37	0.41	-95.23	4.55	5
175	6825	79.91	19.59	99.50	0.41	-95.23	4.68	5
207	6985	79.64	19.69	99.33	0.41	-95.23	4.51	5

Product : RadiX AXE6600 WiFi 6E Tri-Band Gaming Router
 Test Item : Maximun Power Spectral Density
 Test Mode : Mode 1: Transmit (802.11a-CDD) - NSS-4
 Test Date : 2022/06/02

Channel No.	Frequency (MHz)	Data Rate (Mbps)	Chain	PPSD/MHz (dBm)	Duty factor (dB)	Total PPSD/MHz (dBm)	Max Ant. Gain (dBi)	EIRP PSD (dBm)	EIRP Limit (dBm)
33	6115	MCS0	A	-4.67	0.49	2.00	2.95	4.95	5
			B	-4.72					
			C	-4.29					
			D	-4.38					
61	6255	MCS0	A	-4.46	0.49	1.97	2.95	4.92	5
			B	-4.54					
			C	-4.62					
			D	-4.56					
93	6415	MCS0	A	-4.73	0.49	1.87	2.95	4.82	5
			B	-4.81					
			C	-4.60					
			D	-4.46					
97	6435	MCS0	A	-5.27	0.49	1.76	3.10	4.86	5
			B	-4.91					
			C	-4.81					
			D	-4.12					
105	6475	MCS0	A	-5.60	0.49	1.65	3.10	4.75	5
			B	-5.13					
			C	-4.76					
			D	-4.12					
113	6515	MCS0	A	-4.71	0.49	1.77	3.10	4.87	5
			B	-4.52					
			C	-4.97					
			D	-4.78					
117	6535	MCS0	A	-4.38	0.49	2.47	2.48	4.95	5
			B	-3.58					
			C	-3.98					
			D	-4.28					
149	6695	MCS0	A	-4.34	0.49	2.31	2.48	4.79	5
			B	-4.13					
			C	-4.11					
			D	-4.25					
181	6855	MCS0	A	-4.19	0.49	2.19	2.48	4.67	5
			B	-4.54					
			C	-4.08					
			D	-4.52					
185(U-NII-7)	6875	MCS0	A	-5.24	0.49	1.30	2.48	3.78	5
			B	-5.98					
			C	-4.50					
			D	-5.27					
185(U-NII-8)	6875	MCS0	A	-5.09	0.49	1.51	3.46	4.97	5
			B	-5.14					
			C	-4.53					
			D	-5.30					
189	6895	MCS0	A	-5.51	0.49	1.49	3.46	4.95	5
			B	-4.97					
			C	-4.56					
			D	-5.13					
213	7015	MCS0	A	-5.22	0.49	1.52	3.46	4.98	5
			B	-4.69					
			C	-4.65					
			D	-5.46					
229	7095	MCS0	A	-5.29	0.49	1.22	3.46	4.68	5
			B	-5.21					
			C	-5.29					
			D	-5.38					

Product : RadiX AXE6600 WiFi 6E Tri-Band Gaming Router
 Test Item : Maximun Power Spectral Density
 Test Mode : Mode 2: Transmit (802.11ax-20BW-CDD) - NSS-4
 Test Date : 2022/06/02

Channel No.	Frequency (MHz)	Data Rate (Mbps)	Chain	PPSD/MHz (dBm)	Duty factor (dB)	Total PPSD/MHz (dBm)	Max Ant. Gain (dBi)	EIRP PSD (dBm)	EIRP Limit (dBm)
33	6115	MCS0	A	-4.78	0.28	1.91	2.95	4.86	5
			B	-4.20					
			C	-4.12					
			D	-4.49					
61	6255	MCS0	A	-4.58	0.28	1.79	2.95	4.74	5
			B	-4.61					
			C	-4.12					
			D	-4.74					
93	6415	MCS0	A	-5.13	0.28	1.87	2.95	4.82	5
			B	-4.38					
			C	-4.14					
			D	-4.15					
97	6435	MCS0	A	-5.37	0.28	1.74	3.10	4.84	5
			B	-4.43					
			C	-4.54					
			D	-4.00					
105	6475	MCS0	A	-5.05	0.28	1.73	3.10	4.83	5
			B	-4.51					
			C	-4.72					
			D	-4.06					
113	6515	MCS0	A	-4.65	0.28	1.86	3.10	4.96	5
			B	-4.18					
			C	-4.44					
			D	-4.51					
117	6535	MCS0	A	-3.87	0.28	2.32	2.48	4.80	5
			B	-3.93					
			C	-4.06					
			D	-4.07					
149	6695	MCS0	A	-3.89	0.28	2.40	2.48	4.88	5
			B	-3.99					
			C	-3.79					
			D	-3.92					
181	6855	MCS0	A	-3.92	0.28	2.49	2.48	4.97	5
			B	-3.82					
			C	-3.69					
			D	-3.81					
185(U-NII-7)	6875	MCS0	A	-5.03	0.28	1.53	2.48	4.01	5
			B	-4.79					
			C	-4.40					
			D	-4.87					
185(U-NII-8)	6875	MCS0	A	-5.20	0.28	1.46	3.46	4.92	5
			B	-4.47					
			C	-4.40					
			D	-5.35					
189	6895	MCS0	A	-5.19	0.28	1.28	3.46	4.74	5
			B	-5.10					
			C	-4.82					
			D	-4.96					
213	7015	MCS0	A	-5.36	0.28	1.26	3.46	4.72	5
			B	-4.75					
			C	-4.88					
			D	-5.21					
229	7095	MCS0	A	-5.05	0.28	1.37	3.46	4.83	5
			B	-4.75					
			C	-4.85					
			D	-5.08					

Product : RadiX AXE6600 WiFi 6E Tri-Band Gaming Router
 Test Item : Maximun Power Spectral Density
 Test Mode : Mode 3: Transmit (802.11ax-40BW-CDD) - NSS-4
 Test Date : 2022/06/02

Channel No.	Frequency (MHz)	Data Rate (Mbps)	Chain	PPSD/MHz (dBm)	Duty factor (dB)	Total PPSD/MHz (dBm)	Max Ant. Gain (dBi)	EIRP PSD (dBm)	EIRP Limit (dBm)
35	6125	MCS0	A	-4.26	0.36	1.81	2.95	4.76	5
			B	-4.54					
			C	-4.72					
			D	-4.76					
59	6245	MCS0	A	-4.77	0.36	1.80	2.95	4.75	5
			B	-4.38					
			C	-4.67					
			D	-4.52					
91	6405	MCS0	A	-5.03	0.36	1.70	2.95	4.65	5
			B	-4.43					
			C	-4.73					
			D	-4.53					
99	6445	MCS0	A	-4.96	0.36	1.83	3.10	4.93	5
			B	-4.47					
			C	-4.42					
			D	-4.35					
107	6485	MCS0	A	-5.10	0.36	1.86	3.10	4.96	5
			B	-3.85					
			C	-4.82					
			D	-4.40					
115(U-NII-6)	6525	MCS0	A	-5.56	0.36	1.51	3.10	4.61	5
			B	-4.17					
			C	-4.91					
			D	-4.95					
115(U-NII-7)	6525	MCS0	A	-5.36	0.36	1.80	2.48	4.28	5
			B	-4.37					
			C	-4.60					
			D	-4.08					
123	6565	MCS0	A	-4.34	0.36	2.47	2.48	4.95	5
			B	-3.67					
			C	-4.05					
			D	-3.63					
155	6725	MCS0	A	-4.08	0.36	2.19	2.48	4.67	5
			B	-4.28					
			C	-4.07					
			D	-4.35					
179	6845	MCS0	A	-4.30	0.36	2.36	2.48	4.84	5
			B	-3.56					
			C	-3.99					
			D	-4.26					
187(U-NII-7)	6885	MCS0	A	-5.57	0.36	0.83	2.48	3.31	5
			B	-5.07					
			C	-5.83					
			D	-5.76					
187(U-NII-8)	6885	MCS0	A	-5.14	0.36	1.36	3.46	4.82	5
			B	-4.89					
			C	-5.05					
			D	-4.98					
195	6925	MCS0	A	-5.21	0.36	1.42	3.46	4.88	5
			B	-4.86					
			C	-4.75					
			D	-5.03					
211	7005	MCS0	A	-4.90	0.36	1.23	3.46	4.69	5
			B	-5.17					
			C	-5.13					
			D	-5.39					
227	7085	MCS0	A	-5.33	0.36	1.23	3.46	4.69	5
			B	-4.91					
			C	-5.34					
			D	-5.02					

Product : RadiX AXE6600 WiFi 6E Tri-Band Gaming Router
 Test Item : Maximun Power Spectral Density
 Test Mode : Mode 4: Transmit (802.11ax-80BW-CDD) - NSS-4
 Test Date : 2022/06/02

Channel No.	Frequency (MHz)	Data Rate (Mbps)	Chain	PPSD/MHz (dBm)	Duty factor (dB)	Total PPSD/MHz (dBm)	Max Ant. Gain (dBi)	EIRP PSD (dBm)	EIRP Limit (dBm)
39	6145	MCS0	A	-4.72	0.36	1.99	2.95	4.94	5
			B	-4.06					
			C	-4.14					
			D	-4.68					
55	6225	MCS0	A	-4.72	0.36	1.68	2.95	4.63	5
			B	-4.57					
			C	-4.84					
			D	-4.66					
87	6385	MCS0	A	-4.78	0.36	1.90	2.95	4.85	5
			B	-4.25					
			C	-4.37					
			D	-4.55					
103	6465	MCS0	A	-5.16	0.36	1.76	3.10	4.86	5
			B	-4.58					
			C	-4.86					
			D	-3.98					
119(U-NII-6)	6545	MCS0	A	-5.76	0.36	1.14	3.10	4.24	5
			B	-4.81					
			C	-5.70					
			D	-4.79					
119(U-NII-7)	6545	MCS0	A	-4.50	0.36	2.12	2.48	4.60	5
			B	-3.79					
			C	-4.44					
			D	-4.34					
135	6625	MCS0	A	-4.44	0.36	2.32	2.48	4.80	5
			B	-4.06					
			C	-3.75					
			D	-4.00					
151	6705	MCS0	A	-4.64	0.36	2.18	2.48	4.66	5
			B	-4.23					
			C	-3.93					
			D	-4.02					
167	6785	MCS0	A	-4.42	0.36	2.49	2.48	4.97	5
			B	-3.48					
			C	-3.68					
			D	-4.03					
183(U-NII-7)	6865	MCS0	A	-5.06	0.36	1.87	2.48	4.35	5
			B	-4.12					
			C	-4.18					
			D	-4.75					
183(U-NII-8)	6865	MCS0	A	-5.16	0.36	1.44	3.46	4.90	5
			B	-4.90					
			C	-4.86					
			D	-4.84					
199	6945	MCS0	A	-5.27	0.36	1.36	3.46	4.82	5
			B	-4.51					
			C	-4.98					
			D	-5.38					
215	7025	MCS0	A	-5.24	0.36	1.49	3.46	4.95	5
			B	-4.41					
			C	-4.67					
			D	-5.31					

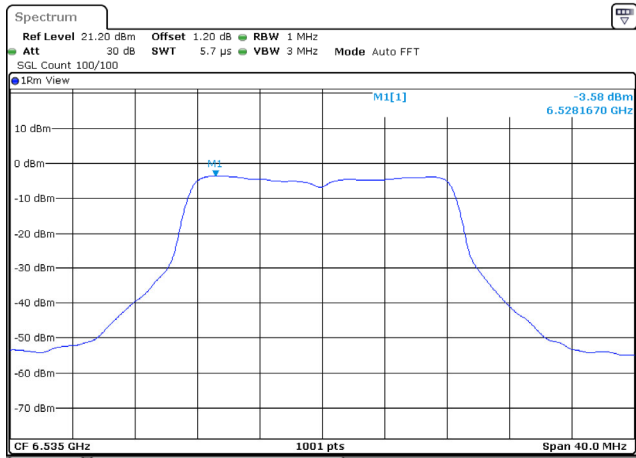
Product : RadiX AXE6600 WiFi 6E Tri-Band Gaming Router
 Test Item : Maximun Power Spectral Density
 Test Mode : Mode 5: Transmit (802.11ax-160BW-CDD) - NSS-4
 Test Date : 2022/06/02

Channel No.	Frequency (MHz)	Data Rate (Mbps)	Chain	PPSD/MHz (dBm)	Duty factor (dB)	Total PPSD/MHz (dBm)	Max Ant. Gain (dBi)	EIRP PSD (dBm)	EIRP Limit (dBm)
47	6185	MCS0	A	-4.92	0.41	2.02	2.95	4.97	5
			B	-4.12					
			C	-4.16					
			D	-4.47					
79	6345	MCS0	A	-4.84	0.41	1.97	2.95	4.92	5
			B	-4.20					
			C	-4.26					
			D	-4.58					
111(U-NII-6)	6505	MCS0	A	-5.14	0.41	1.76	3.10	4.86	5
			B	-4.33					
			C	-4.60					
			D	-4.63					
111(U-NII-7)	6505	MCS0	A	-4.94	0.41	2.02	2.48	4.50	5
			B	-3.95					
			C	-4.36					
			D	-4.45					
143	6665	MCS0	A	-4.44	0.41	2.46	2.48	4.94	5
			B	-3.78					
			C	-3.45					
			D	-4.26					
175(U-NII-7)	6825	MCS0	A	-4.41	0.41	2.50	2.48	4.98	5
			B	-3.77					
			C	-3.68					
			D	-3.90					
175(U-NII-8)	6825	MCS0	A	-5.31	0.41	1.22	3.46	4.68	5
			B	-5.61					
			C	-5.59					
			D	-4.45					
207	6985	MCS0	A	-5.50	0.41	1.13	3.46	4.59	5
			B	-5.12					
			C	-5.04					
			D	-5.56					

Result	Pass
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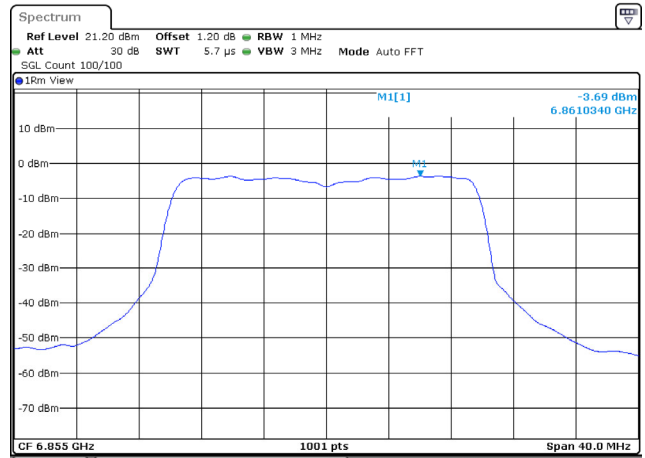
Spectrum plot of worst value

802.11a / 6535MHz / Chain B / NSS-4



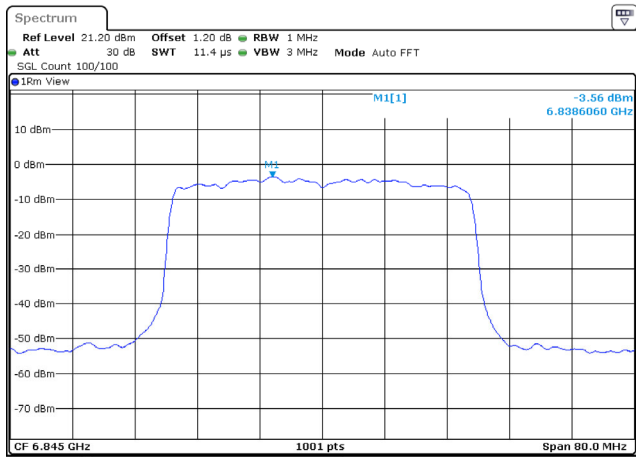
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802.11ax20 / 6855MHz / Chain C / NSS-4



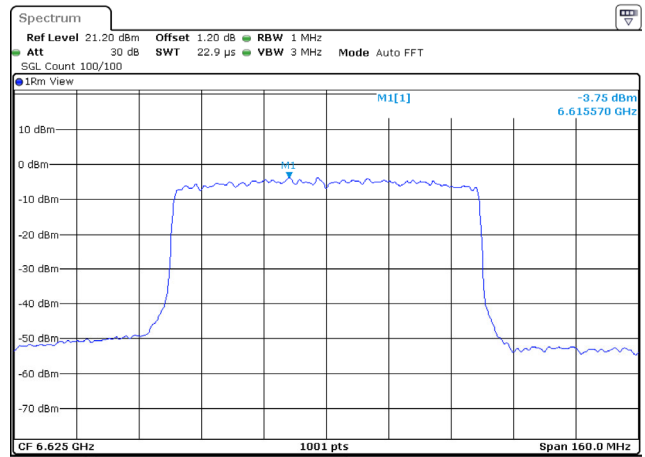
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802.11ax40 / 6845MHz / Chain B / NSS-4



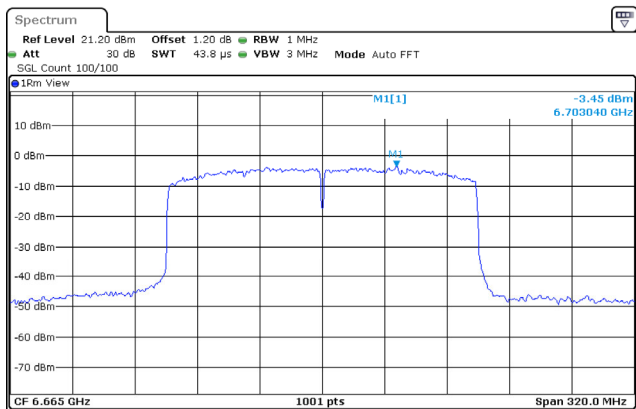
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802.11ax80 / 6625MHz / Chain C / NSS-4



Date: 25.MAY.2022 20:31:34

802.11ax160 / 6665MHz / Chain C / NSS-4



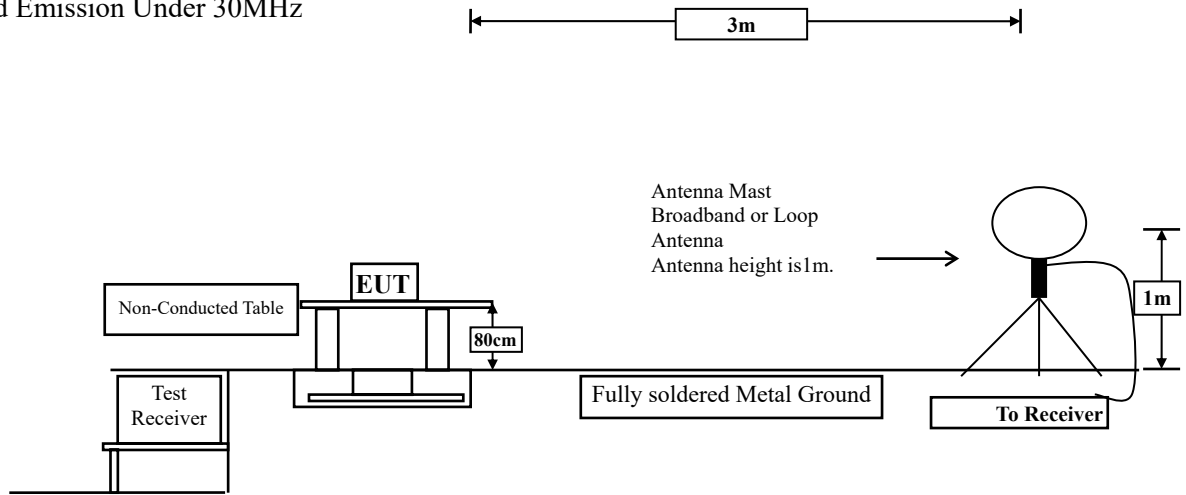
Date: 27.MAY.2022 14:21:02

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	6.70304 GHz	-3.45 dBm		

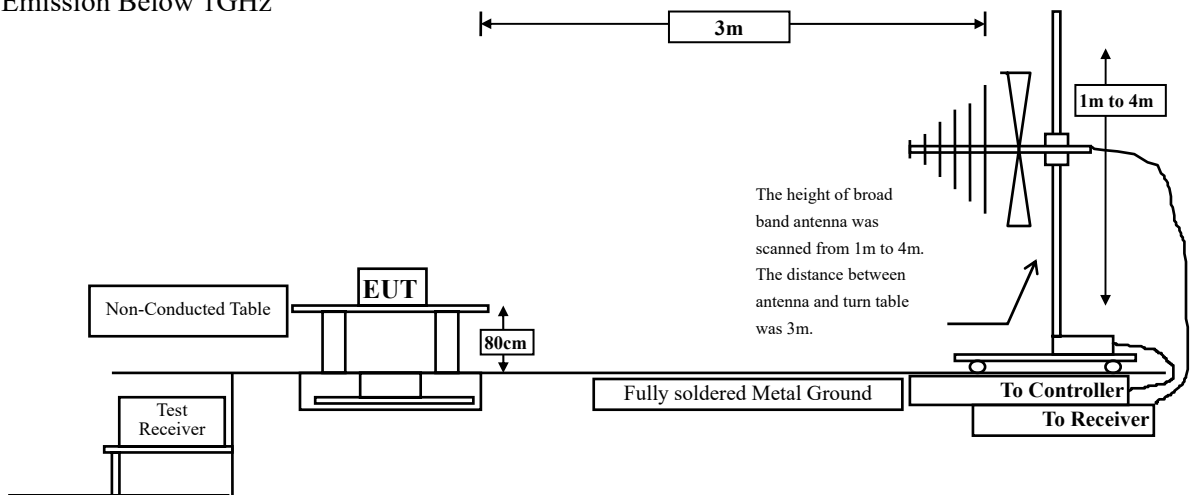
6. Radiated Emission

6.1. Test Setup

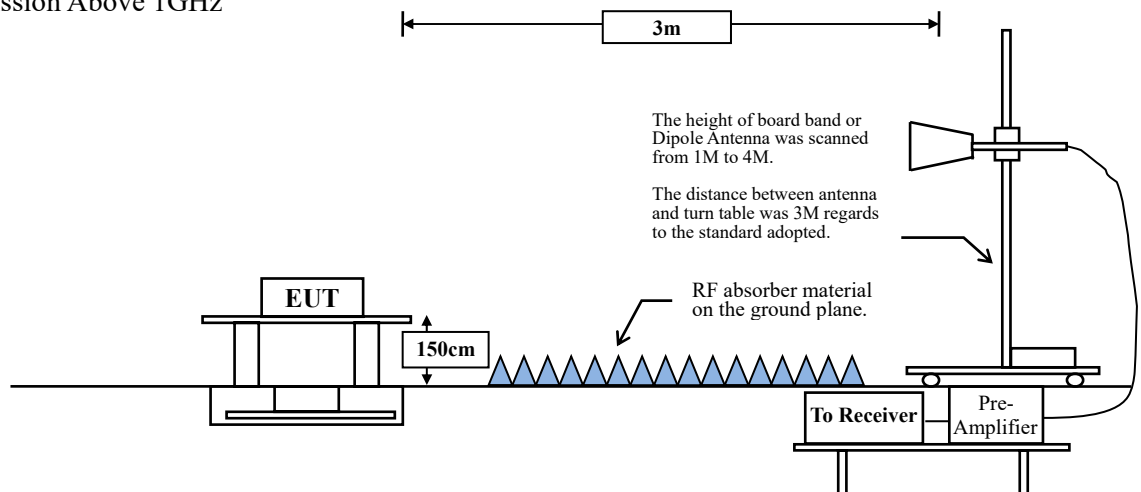
Radiated Emission Under 30MHz



Radiated Emission Below 1GHz



Radiated Emission Above 1GHz



6.2. Limits

General Radiated Emission Limits

The provisions of Section 15.205 of this part apply to intentional radiators operating under this section. Radiated emissions which fall in the restricted bands, as defined in Section 15.205, must also comply with the radiated emission Limits specified in Section 15.209:

FCC CFR Title 47 Part 15 Subpart C Paragraph 15.209 Limits		
Frequency MHz	uV/m @3m	dBuV/m@3m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

Remark:

1. RF Voltage (dBuV) = 20 log RF Voltage (uV)
2. In the Above Table, the tighter Limit applies at the band edges.
3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

Unwanted Emission out of the restricted bands Limits

FCC CFR Title 47 Part 15 Subpart E Paragraph 15.407(b) Limits		
Frequency (MHz)	EIRP Limit (dBm/MHz)	Equivalent Field Strength (dBuV/m@3m)
5925 MHz > F 7125 MHz	Peak: -7	88.2
	Average: -27	68.2

Remark:

The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6.3. Test Procedure

The EUT and its simulators are placed on a turn table which is 0.8 or 1.5 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters. The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10: 2013 on radiated measurement.

The additional latch filter below 1GHz was used to measure the level of harmonics radiated emission during field strength of harmonics measurement.

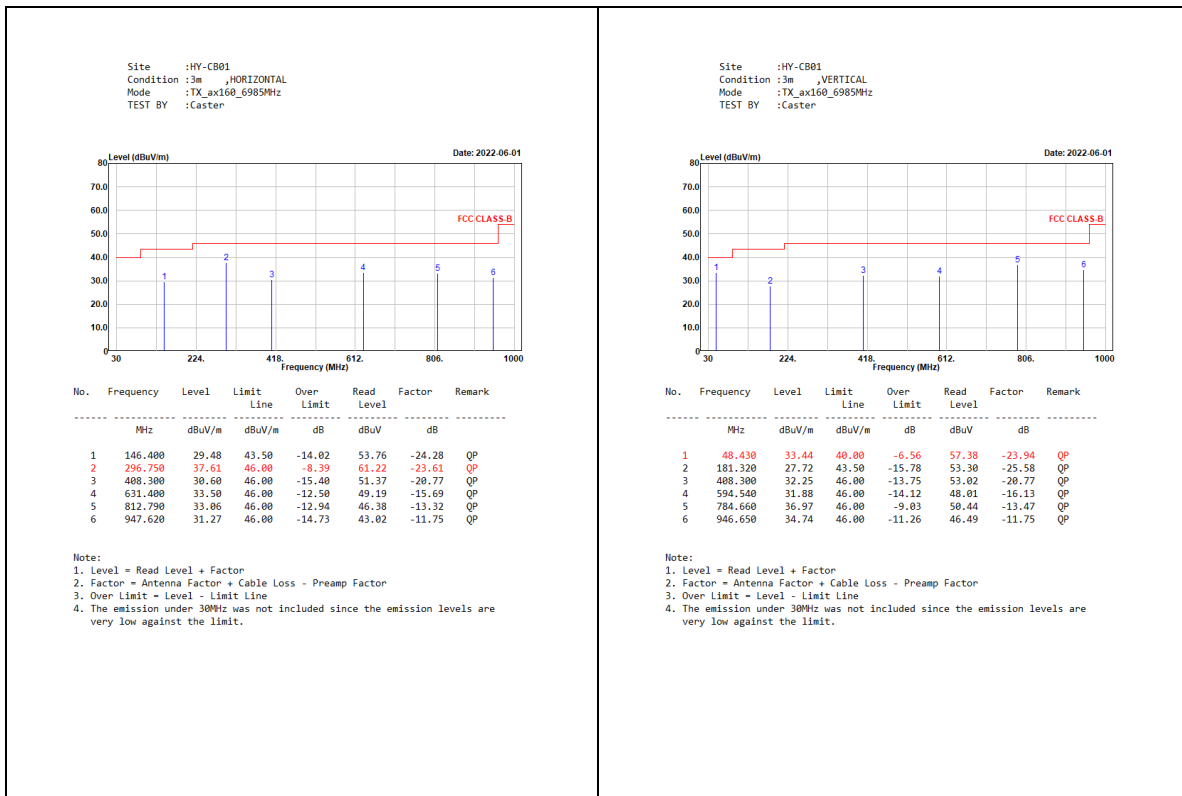
The bandwidth below 1GHz setting on the field strength meter is 120 KHz, above 1GHz are 1 MHz. The frequency range from 30MHz to 10th harmonics and included The frequency range from the lowest oscillator frequency generated within the device up to the 10th harmonic was checked is checked.

6.4. Test Result of Radiated Emissions

NSS-1



NSS-4



NSS-1

