

**Appendix G. Maximum Equivalent Isotropically Radiated Power(E.I.R.P.)**

U-NII-5

Modulation Type	Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)	Total conducted power (dBm)	Total conducted power (mW)	Antenna Gain (dBi)	Total E.I.R.P (dBm)	Total E.I.R.P (mW)	E.I.R.P Limit (dBm)
				ANT A						
11a	8.5	1	5955	6.21	6.21	4.178	3.59	9.80	9.55	24.00
11a	7.5	45	6175	5.66	5.66	3.681	3.59	9.25	8.41	24.00
11a	6	93	6415	5.82	5.82	3.819	3.59	9.41	8.73	24.00
11ax HE20	9	1	5955	6.36	6.36	4.325	3.59	9.95	9.89	24.00
11ax HE20	8	45	6175	5.91	5.91	3.899	3.59	9.50	8.91	24.00
11ax HE20	6	93	6415	5.63	5.63	3.656	3.59	9.22	8.36	24.00
11ax HE40	11.5	3	5965	8.85	8.85	7.674	3.59	12.44	17.54	24.00
11ax HE40	10.5	43	6165	8.34	8.34	6.823	3.59	11.93	15.60	24.00
11ax HE40	9	91	6405	8.48	8.48	7.047	3.59	12.07	16.11	24.00
11ax HE80	13.5	7	5985	10.84	10.84	12.134	3.59	14.43	27.73	24.00
11ax HE80	13	39	6145	10.49	10.49	11.194	3.59	14.08	25.59	24.00
11ax HE80	11	87	6385	10.55	10.55	11.350	3.59	14.14	25.94	24.00
11ax HE160	17	15	6025	13.79	13.79	23.933	3.59	17.38	54.70	24.00
11ax HE160	15.5	47	6185	13.64	13.64	23.121	3.59	17.23	52.84	24.00
11ax HE160	14	79	6345	13.27	13.27	21.232	3.59	16.86	48.53	24.00

U-NII-6

Modulation Type	Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)	Total conducted power (dBm)	Total conducted power (mW)	Antenna Gain (dBi)	Total E.I.R.P (dBm)	Total E.I.R.P (mW)	E.I.R.P Limit (dBm)
				ANT A						
11a	6.5	97	6435	5.57	5.57	3.606	3.59	9.16	8.24	24.00
11a	6.5	105	6475	5.19	5.19	3.304	3.59	8.78	7.55	24.00
11a	8	113	6515	5.24	5.24	3.342	3.59	8.83	7.64	24.00
11ax HE20	7	97	6435	5.57	5.57	3.606	3.59	9.16	8.24	24.00
11ax HE20	7	105	6475	5.14	5.14	3.266	3.59	8.73	7.46	24.00
11ax HE20	8.5	113	6515	5.54	5.54	3.581	3.59	9.13	8.18	24.00
11ax HE40	9.5	99	6445	8.01	8.01	6.324	3.59	11.60	14.45	24.00
11ax HE40	10.5	107	6485	8.13	8.13	6.501	3.59	11.72	14.86	24.00
11ax HE80	12	103	6465	10.21	10.21	10.495	3.59	13.80	23.99	24.00



U-NII-7

Modulation Type	Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)	Total conducted power (dBm)	Total conducted power (mW)	Antenna Gain (dBi)	Total E.I.R.P (dBm)	Total E.I.R.P (mW)	E.I.R.P Limit (dBm)
				ANT A						
11a	8.5	117	6535	5.52	5.52	3.565	3.59	9.11	8.15	24.00
11a	9.5	153	6715	5.72	5.72	3.733	3.59	9.31	8.53	24.00
11a	9	181	6855	5.68	5.68	3.698	3.59	9.27	8.45	24.00
11ax HE20	8.5	117	6535	5.36	5.36	3.436	3.59	8.95	7.85	24.00
11ax HE20	10	153	6715	6.06	6.06	4.036	3.59	9.65	9.23	24.00
11ax HE20	9.5	181	6855	6.01	6.01	3.990	3.59	9.60	9.12	24.00
11ax HE40	12	123	6565	8.39	8.39	6.902	3.59	11.98	15.78	24.00
11ax HE40	13	155	6725	8.82	8.82	7.621	3.59	12.41	17.42	24.00
11ax HE40	12	179	6845	8.79	8.79	7.568	3.59	12.38	17.30	24.00
11ax HE80	14	135	6625	10.56	10.56	11.376	3.59	14.15	26.00	24.00
11ax HE80	15.5	151	6705	11.44	11.44	13.932	3.59	15.03	31.84	24.00
11ax HE80	15	167	6785	10.90	10.90	12.303	3.59	14.49	28.12	24.00
11ax HE160	18	143	6665	13.73	13.73	23.605	3.59	17.32	53.95	24.00

U-NII-8

Modulation Type	Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)	Total conducted power (dBm)	Total conducted power (mW)	Antenna Gain (dBi)	Total E.I.R.P (dBm)	Total E.I.R.P (mW)	E.I.R.P Limit (dBm)
				ANT A						
11a	9	189	6895	6.31	6.31	4.276	2.89	9.20	8.32	24.00
11a	9	213	7015	6.46	6.46	4.426	2.89	9.35	8.61	24.00
11a	9.5	229	7095	6.62	6.62	4.592	2.89	9.51	8.93	24.00
11a	9.5	233	7115	6.03	6.03	4.009	2.89	8.92	7.80	24.00
11ax HE20	9.5	189	6895	6.96	6.96	4.966	2.89	9.85	9.66	24.00
11ax HE20	9.5	213	7015	7.31	7.31	5.383	2.89	10.20	10.47	24.00
11ax HE20	9.5	229	7095	6.41	6.41	4.375	2.89	9.30	8.51	24.00
11ax HE20	-4.5	233	7115	-7.78	-7.78	0.167	2.89	-4.89	0.32	24.00
11ax HE40	11.5	195	6925	9.67	9.67	9.268	2.89	12.56	18.03	24.00
11ax HE40	11.5	211	7005	9.96	9.96	9.908	2.89	12.85	19.28	24.00
11ax HE40	12	227	7085	9.93	9.93	9.840	2.89	12.82	19.14	24.00
11ax HE80	13.5	199	6945	12.01	12.01	15.885	2.89	14.90	30.90	24.00
11ax HE80	14	215	7025	11.75	11.75	14.962	2.89	14.64	29.11	24.00
11ax HE160	18	207	6985	14.35	14.35	27.227	2.89	17.24	52.97	24.00



Straddle Channel

Maximum Conducted Output Power (Within 6425-6525MHz band) RF Output Power(dBm)									
Setting	Modulation Type	Frequency (MHz)	W/O Duty Factor Measured value of each antenna port (dBm)	W/O duty factor Total power (dBm)	Duty Factor (dB)	With duty factor Total power (dBm)	Antenna Gain (dBi)	With duty factor EIRP (dBm)	EIRP Limit (dBm)
			ANT A						
11	11ax HE40	6525	5.21	5.21	0.00	5.21	3.59	8.80	24.00
14.5	11ax HE80	6545	3.41	3.41	0.00	3.41	3.59	7.00	24.00
16.5	11ax HE160	6505	11.91	11.91	0.00	11.91	3.59	15.50	24.00

Maximum Conducted Output Power (Extends across 6525MHz band) RF Output Power(dBm)									
Setting	Modulation Type	Frequency (MHz)	W/O Duty Factor Measured value of each antenna port (dBm)	W/O duty factor Total power (dBm)	Duty Factor (dB)	With duty factor Total power (dBm)	Antenna Gain (dBi)	With duty factor EIRP (dBm)	EIRP Limit (dBm)
			ANT A						
11	11ax HE40	6525	4.88	4.88	0.00	4.88	3.59	8.47	24.00
14.5	11ax HE80	6545	9.65	9.65	0.00	9.65	3.59	13.24	24.00
16.5	11ax HE160	6505	6.25	6.25	0.00	6.25	3.59	9.84	24.00

Power Meter Maximum E.I.R.P. (Within 6425-6525MHz band & Extends across 6525MHz band)					
Modulation Type	Data Rate	Conducted Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)
					ANT A
11ax HE40	NSS1-MCS0	11	115	6525	8.29
11ax HE80	NSS1-MCS0	14.5	119	6545	11.01
11ax HE160	NSS1-MCS0	16.5	111	6505	13.46

Note: Power Meter Average power is for reference only.



**Maximum Conducted Output Power (Within 6525-6875MHz band)
RF Output Power(dBm)**

Setting	Modulation Type	Frequency (MHz)	W/O Duty Factor Measured value of each antenna port (dBm)	W/O duty factor Total power (dBm)	Duty Factor (dB)	With duty factor Total power (dBm)	Antenna Gain (dBi)	With duty factor EIRP (dBm)	EIRP Limit (dBm)
			ANT A						
9	11a	6875	2.15	2.15	0.00	2.15	0.00	2.15	24.00
9.5	11ax HE20	6875	2.64	2.64	0.00	2.64	3.59	6.23	24.00
12	11ax HE40	6885	1.69	1.69	0.00	1.69	3.59	5.28	24.00
14.5	11ax HE80	6865	9.62	9.62	0.00	9.62	3.59	13.21	24.00
18	11ax HE160	6825	12.95	12.95	0.00	12.95	3.59	16.54	24.00

**M Maximum Conducted Output Power (Extends across 6875MHz band)
RF Output Power(dBm)**

Setting	Modulation Type	Frequency (MHz)	W/O Duty Factor Measured value of each antenna port (dBm)	W/O duty factor Total power (dBm)	Duty Factor (dB)	With duty factor Total power (dBm)	Antenna Gain (dBi)	With duty factor EIRP (dBm)	EIRP Limit (dBm)
			ANT A						
9	11a	6875	2.44	2.44	0.00	2.44	2.89	5.33	24.00
9.5	11ax HE20	6875	2.78	2.78	0.00	2.78	2.89	5.67	24.00
12	11ax HE40	6885	8.36	8.36	0.00	8.36	2.89	11.25	24.00
14.5	11ax HE80	6865	5.68	5.68	0.00	5.68	2.89	8.57	24.00
18	11ax HE160	6825	4.24	4.24	0.00	4.24	2.89	7.13	24.00

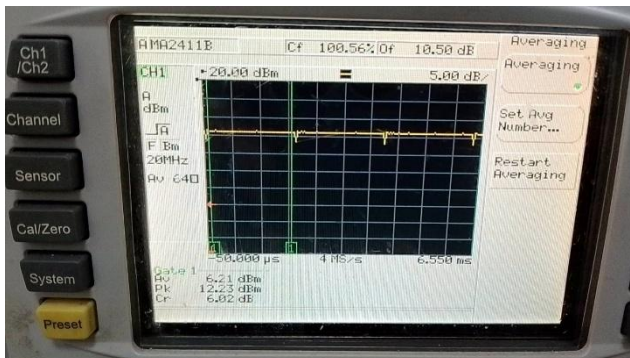
Power Meter Maximum E.I.R.P. (Within 6525-6875MHz band & Extends across 6875MHz band)

Modulation Type	Data Rate	Conducted Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)
					ANT A
11a	6 Mbps	9	185	6875	6.02
11ax HE20	NSS1-MCS0	9.5	185	6875	6.39
11ax HE40	NSS1-MCS0	12	187	6885	9.88
11ax HE80	NSS1-MCS0	14.5	183	6865	11.71
11ax HE160	NSS1-MCS0	18	175	6825	13.95

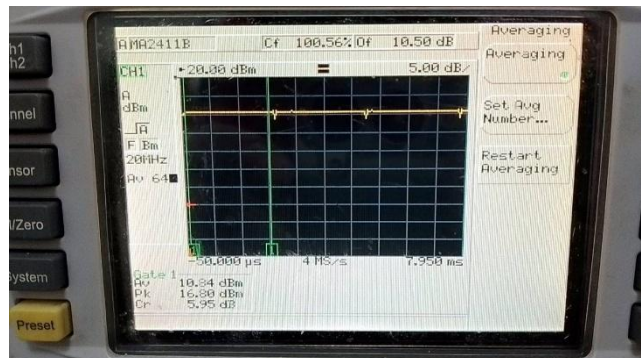
Note: Power Meter Average power is for reference only.



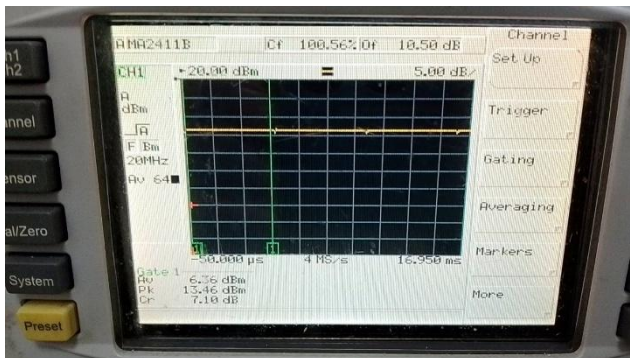
Gate setup plot:
Modulation Type: 802.11a



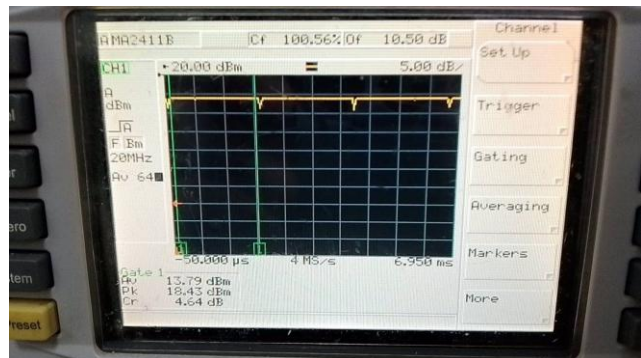
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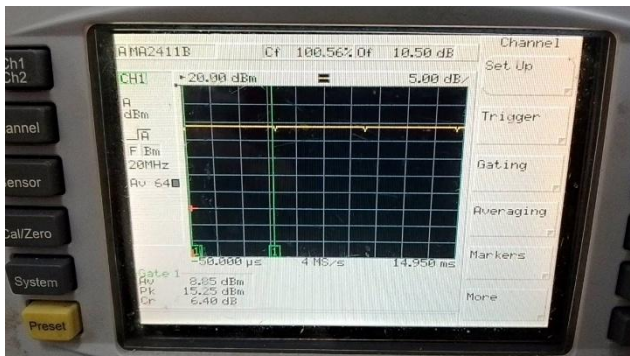
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Modulation Type: 802.11ax HE160

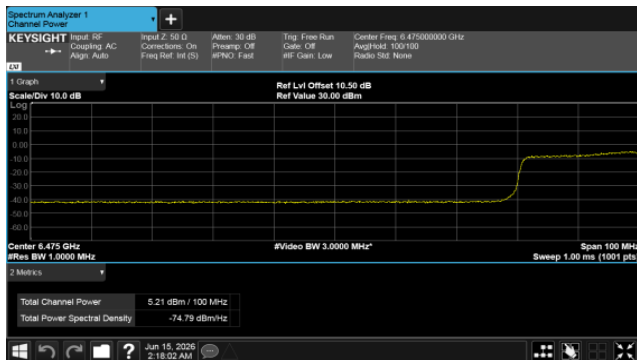


Modulation Type: 802.11ax HE40





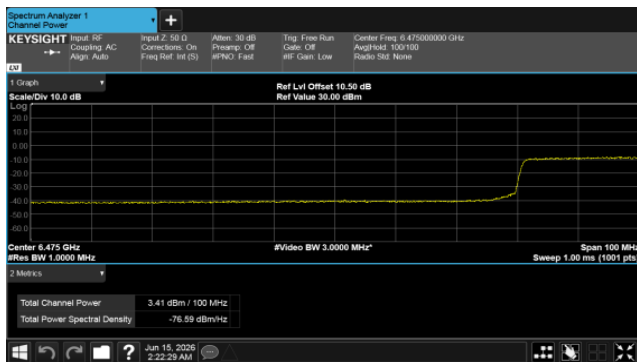
Straddle Channel
Within 6425-6525MHz band
Modulation Type: 802.11ax HE40
CH115



Extends across 6525MHz
Modulation Type: 802.11ax HE40
CH115



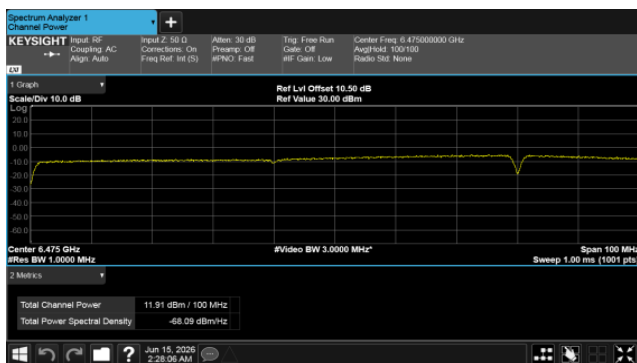
Modulation Type: 802.11ax HE80
CH119



Modulation Type: 802.11ax HE80
CH119



Modulation Type: 802.11ax HE160
CH111

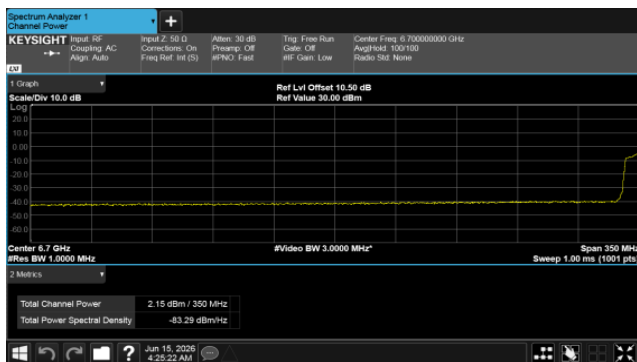


Modulation Type: 802.11ax HE160
CH111





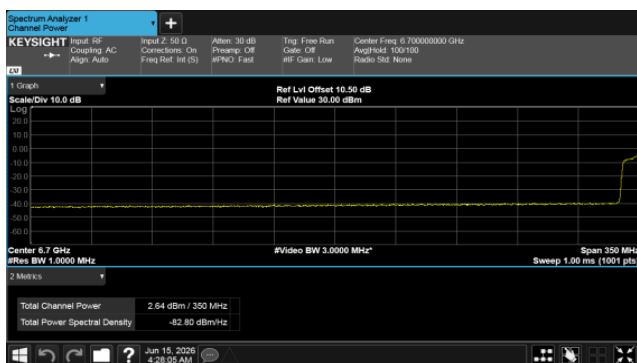
Straddle Channel
Within 6525-6875MHz band
Modulation Type: 802.11a
CH185



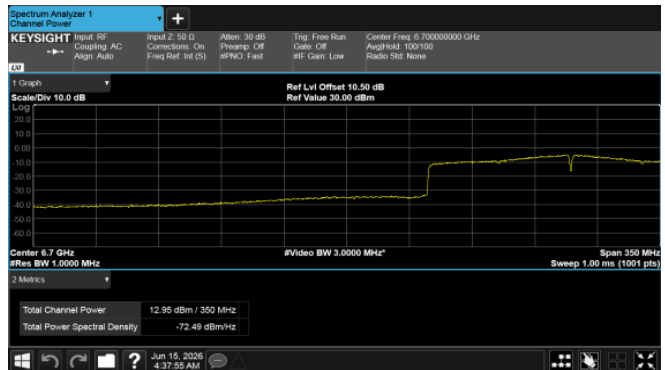
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CH183



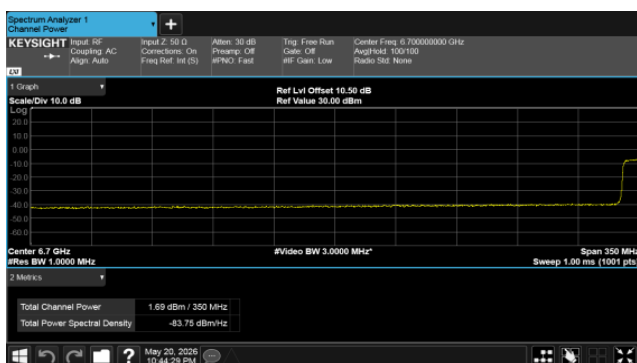
Modulation Type: 802.11ax HE20
CH185



Modulation Type: 802.11ax HE160
CH175

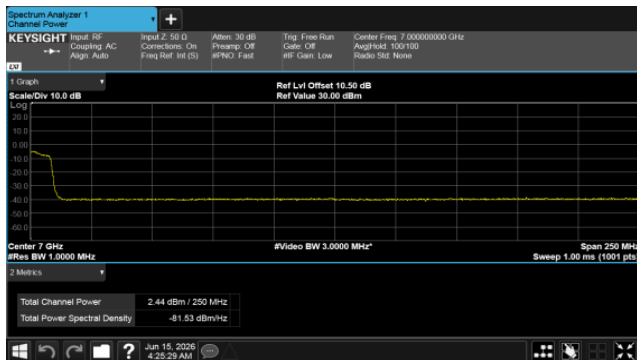


Modulation Type: 802.11ax HE40
CH187

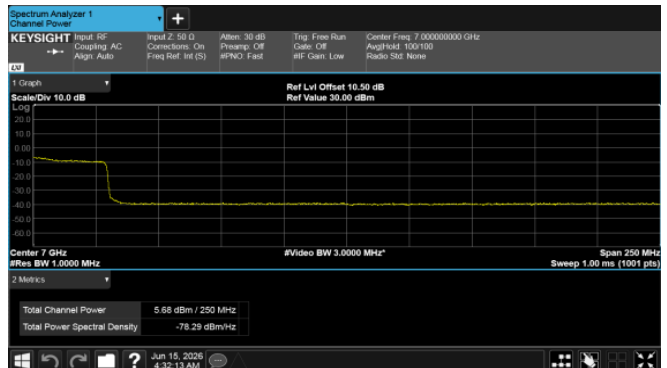




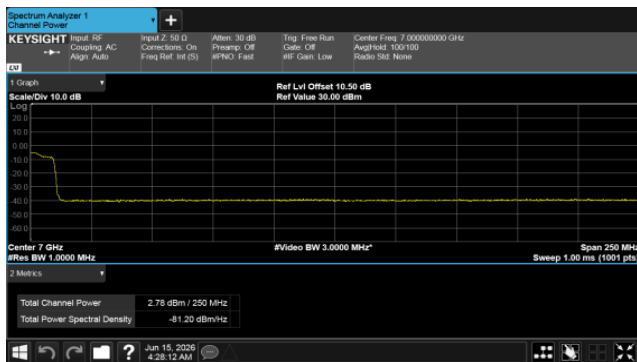
Straddle Channel
Extends across 6875MHz band
Modulation Type: 802.11a
CH185



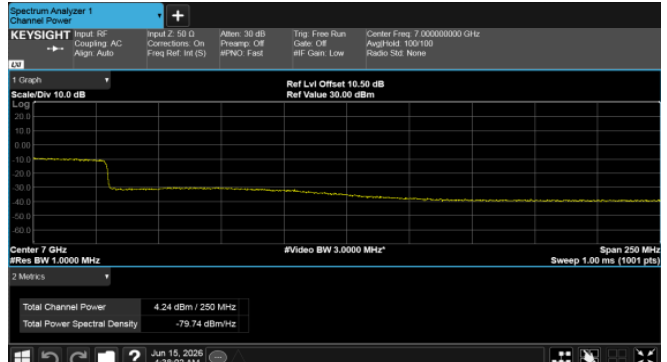
Modulation Type: 802.11ax HE80
CH185



Modulation Type: 802.11ax HE20
CH185



Modulation Type: 802.11ax HE160
CH175



Modulation Type: 802.11ax HE40
CH187

