

**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)
				ANT A	ANT B		
11be EHT20	7.25	1	5955	7.74	7.33	10.55	11.350
11be EHT20	7.25	45	6175	7.48	7.44	10.47	11.144
11be EHT20	7	93	6415	7.52	6.32	9.97	9.935
11be EHT40	8.75	3	5965	10.72	10.01	13.39	21.826
11be EHT40	9.25	43	6165	10.82	10.08	13.48	22.264
11be EHT40	9.5	91	6405	10.95	10.12	13.57	22.725
11be EHT80	9.5	7	5985	10.38	10.18	13.29	21.338
11be EHT80	8.75	39	6145	10.06	10.21	13.15	20.635
11be EHT80	8.75	87	6385	10.35	10.16	13.27	21.215
11be EHT160	9.75	15	6025	10.53	10.31	13.43	22.038
11be EHT160	9.25	47	6185	10.52	10.32	13.43	22.037
11be EHT160	9.25	79	6345	10.56	10.21	13.40	21.872

U-NII-6

Modulation Type	Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)		Total conducted power (dBm)	Total conducted power (mW)
				ANT A	ANT B		
11be EHT20	6	97	6435	7.42	5.70	9.65	9.236
11be EHT20	6.5	105	6475	7.02	6.52	9.79	9.522
11be EHT20	6.25	113	6515	6.96	7.15	10.07	10.154
11be EHT40	8.5	99	6445	9.75	9.02	12.41	17.421
11be EHT40	8.75	107	6485	10.62	9.62	13.16	20.697
11be EHT80	8.75	103	6465	10.25	10.06	13.17	20.732

**U-NII-7**

Modulation Type	Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)		Total conducted power (dBm)	Total conducted power (mW)
				ANT A	ANT B		
11be EHT20	6	117	6535	6.12	6.08	9.11	8.148
11be EHT20	6.25	153	6715	7.38	6.51	9.98	9.947
11be EHT20	6.25	181	6855	6.72	6.69	9.72	9.366
11be EHT40	8.75	123	6565	10.35	10.55	13.46	22.189
11be EHT40	8.5	155	6725	10.58	9.08	12.90	19.520
11be EHT40	8.5	179	6845	10.16	9.52	12.86	19.329
11be EHT80	9.5	135	6625	10.07	10.34	13.22	20.977
11be EHT80	9.5	151	6705	10.31	10.05	13.19	20.856
11be EHT80	9.5	167	6785	10.76	10.02	13.42	21.959
11be EHT160	10.25	143	6665	11.22	10.26	13.78	23.860

U-NII-8

Modulation Type	Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)		Total conducted power (dBm)	Total conducted power (mW)
				ANT A	ANT B		
11be EHT20	7	189	6895	7.38	7.20	10.30	10.718
11be EHT20	7.5	213	7015	7.52	7.30	10.42	11.020
11be EHT20	7.25	229	7095	7.48	6.42	9.99	9.983
11be EHT20	4	233	7115	4.72	3.77	7.28	5.347
11be EHT40	9.25	195	6925	10.54	10.07	13.32	21.486
11be EHT40	10	211	7005	11.38	10.17	13.83	24.140
11be EHT40	9.5	227	7085	10.82	9.74	13.32	21.497
11be EHT80	9.5	199	6945	10.56	10.21	13.40	21.872
11be EHT80	10	215	7025	10.85	10.15	13.52	22.513
11be EHT160	9.75	207	6985	10.92	10.26	13.61	22.976



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	ANT B						
8.5	11be EHT40	6525	3.79	4.52	7.18	2.02	9.20	0.10	9.30	30.00
9	11be EHT80	6545	0.77	2.13	4.51	2.03	6.54	0.10	6.64	30.00
9.75	11be EHT160	6505	6.24	6.11	9.19	2.03	11.22	0.10	11.32	30.00

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	ANT B						
8.5	11be EHT40	6525	3.82	4.56	7.22	2.02	9.24	0.70	9.94	30.00
9	11be EHT80	6545	5.98	6.58	9.30	2.03	11.33	0.70	12.03	30.00
9.75	11be EHT160	6505	2.78	3.88	6.38	2.03	8.41	0.70	9.11	30.00

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	ANT B
11be EHT40	NSS1-MCS0	8.5	115	6525	9.21	9.81
11be EHT80	NSS1-MCS0	9	119	6545	10.04	10.16
11be EHT160	NSS1-MCS0	9.75	111	6505	10.62	10.4

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	ANT B						
6.75	11be EHT20	6875	1.86	0.64	4.30	2.03	6.33	0.70	7.03	30.00
9	11be EHT40	6885	1.47	0.68	4.10	2.02	6.12	0.70	6.82	30.00
9	11be EHT80	6865	5.66	4.84	8.28	2.03	10.31	0.70	11.01	30.00
9.5	11be EHT160	6825	7.24	6.51	9.90	2.03	11.93	0.70	12.63	30.00

**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	ANT B						
6.75	11be EHT20	6875	1.71	0.73	4.26	2.03	6.29	-1.60	4.69	30.00
9	11be EHT40	6885	6.38	5.89	9.15	2.02	11.17	-1.60	9.57	30.00
9	11be EHT80	6865	3.31	3.12	6.23	2.03	8.26	-1.60	6.66	30.00
9.5	11be EHT160	6825	-0.53	-1.12	2.20	2.03	4.23	-1.60	2.63	30.00

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

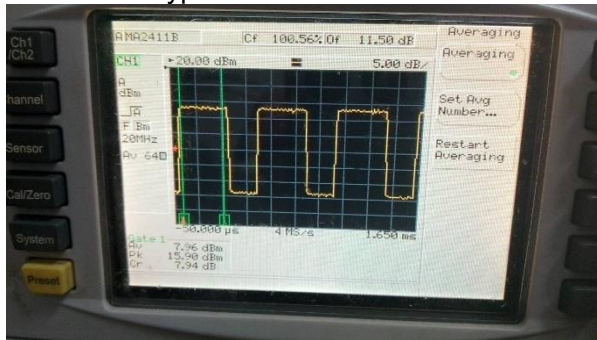
Modulation Type	Data Rate	Conducted Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)	
					ANT A	ANT B
11be EHT20	NSS1-MCS0	6.75	185	6875	7.25	7.16
11be EHT40	NSS1-MCS0	9	187	6885	10.31	9.65
11be EHT80	NSS1-MCS0	9	183	6865	10.49	10.03
11be EHT160	NSS1-MCS0	9.5	175	6825	10.89	10.3

Note: Power Meter Average power is for reference only.

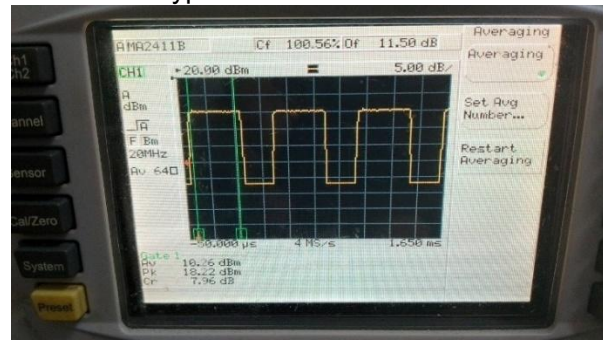


Gate setup plot:

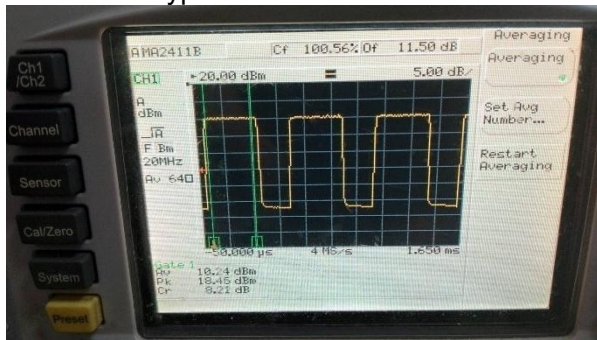
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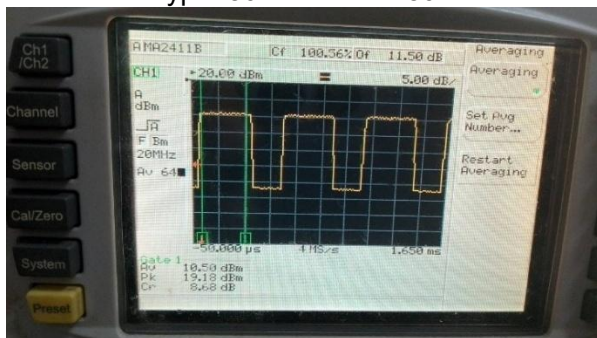
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Modulation Type: 802.11be EHT40

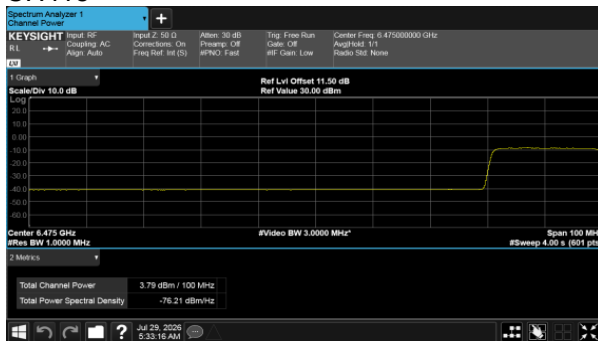


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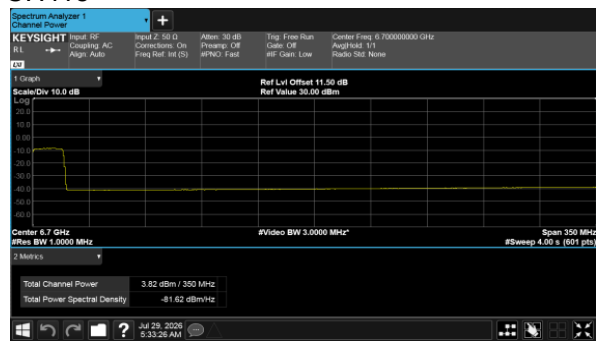




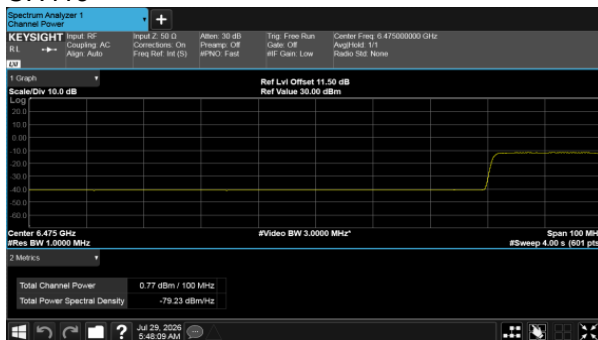
Straddle Channel, ANT A
Within 6425-6525MHz band
Modulation Type: 802.11be EHT40
CH115



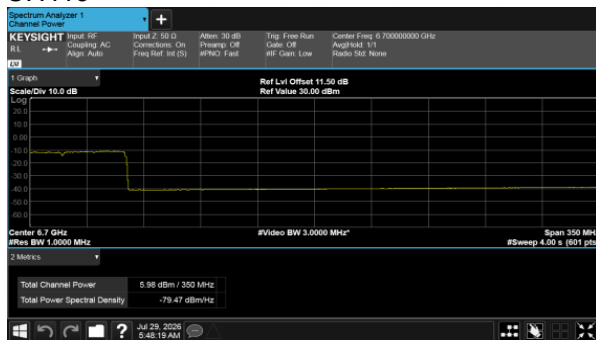
Extends across 6525MHz band
Modulation Type: 802.11be EHT40
CH115



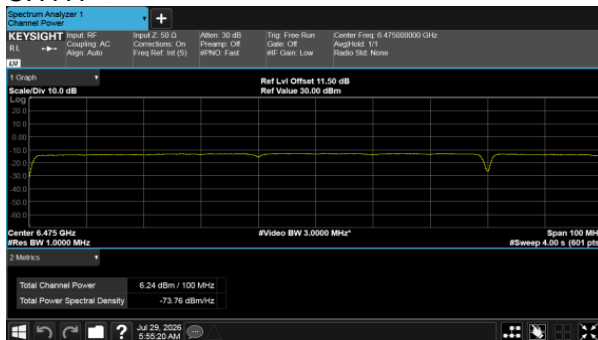
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CH119



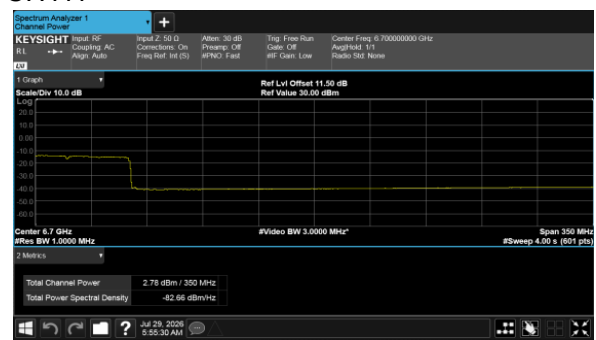
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CH119



Modulation Type: 802.11be EHT160
CH111

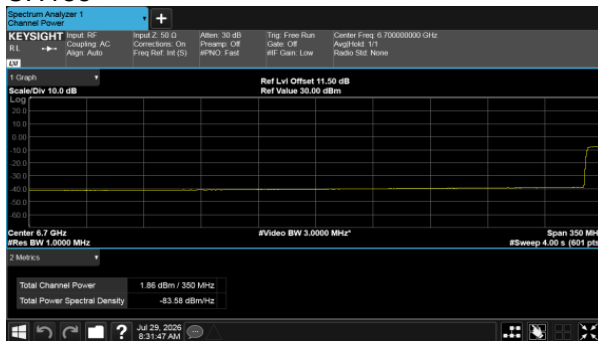


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CH111

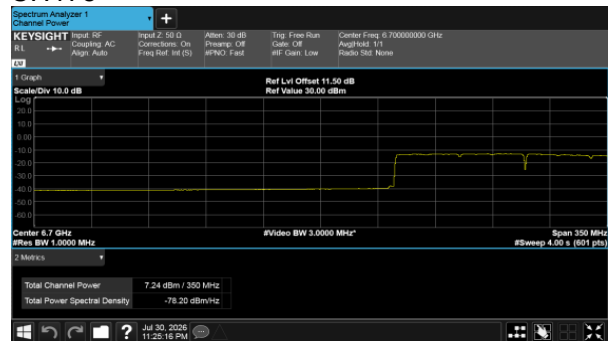




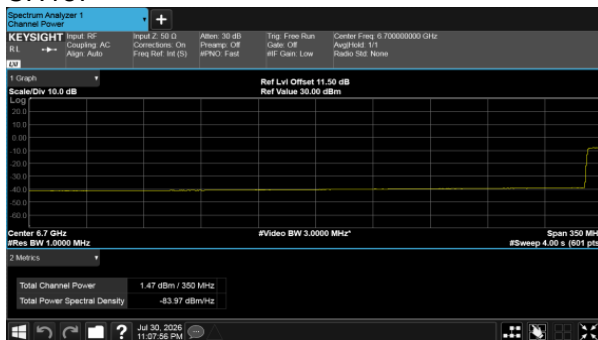
Straddle Channel, ANT A
Within 6525-6875MHz band
Modulation Type: 802.11be EHT20
CH185



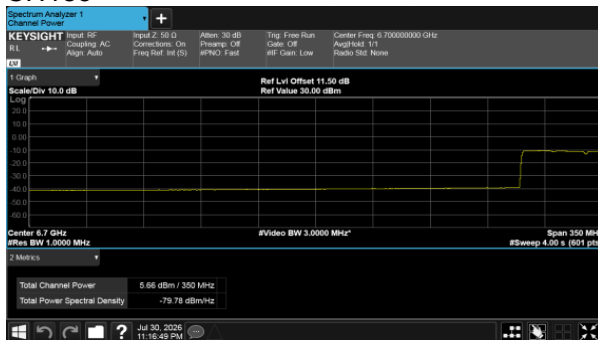
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Modulation Type: 802.11be EHT40
CH187



Modulation Type: 802.11be EHT80
CH183



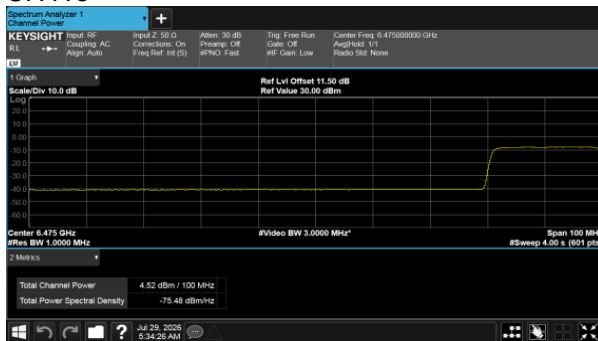


Straddle Channel, ANT A
Extends across 6875MHz band
Modulation Type: 802.11be EHT20
CH185

Modulation Type: 802.11be EHT160
CH175Modulation Type: 802.11be EHT40
CH187Modulation Type: 802.11be EHT80
CH183



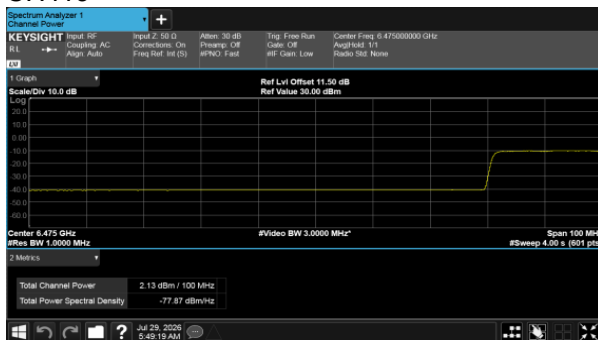
Straddle Channel, ANT B
Within 6425-6525MHz band
Modulation Type: 802.11be EHT40
CH115



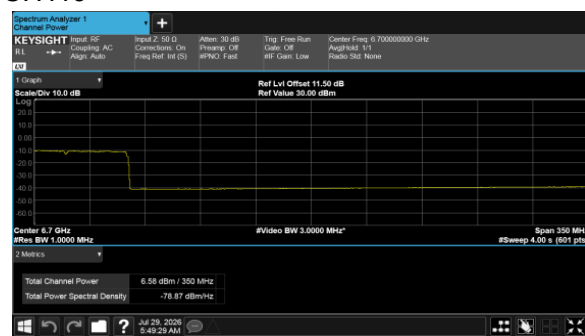
Extends across 6525MHz band
Modulation Type: 802.11be EHT40
CH115



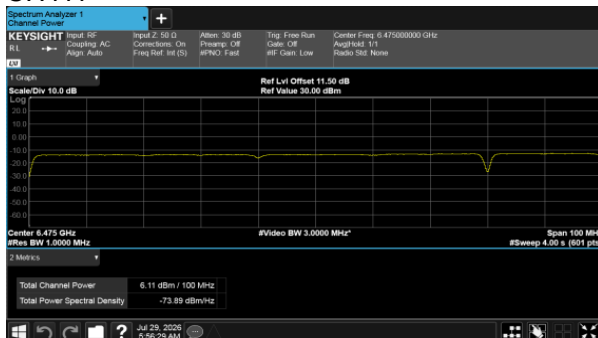
Modulation Type: 802.11be EHT80
CH119



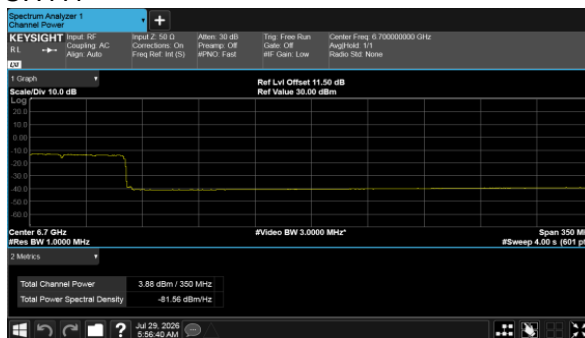
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CH119



Modulation Type: 802.11be EHT160
CH111



Modulation Type: 802.11be EHT160
CH111

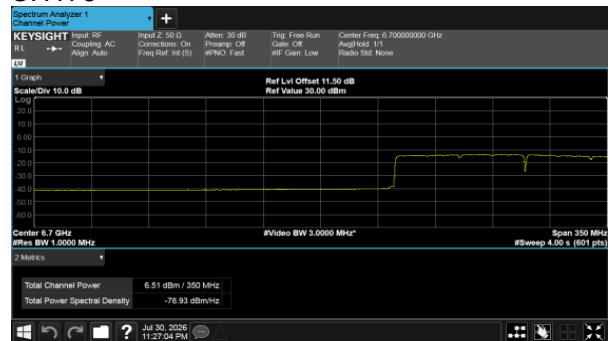




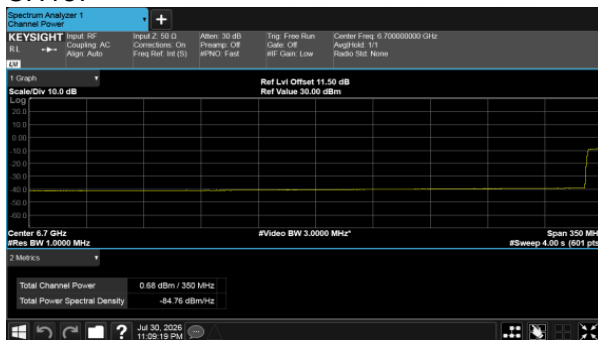
Straddle Channel, ANT B
Within 6525-6875MHz band
Modulation Type: 802.11be EHT20
CH185



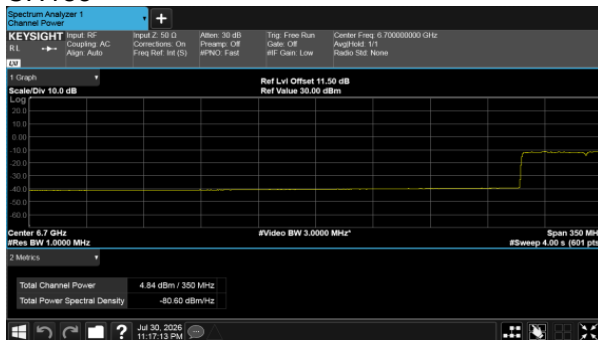
Modulation Type: 802.11be EHT160
CH175



Modulation Type: 802.11be EHT40
CH187



Modulation Type: 802.11be EHT80
CH183





Spectrum Analyzer 1
Channel Power

KEYSIGHT

Input 2: 50.0 dBm Connections: On Freq Ref: 10.0 MHz Preamp: Off Trig: Free Run Gate: Off Ref Gain: Low Center Freq: 7.000000000 GHz Aug14d: 1/1 Radio Stz: None

CH1

1 Graph

Scale Div 10.0 dB

Ref Lvl Offset 11.50 dB
Ref Value 36.00 dBm

Center 7 GHz
#Res BW 1.0000 MHz

#Video BW 3.0000 MHz

Span 250 MHz
#Sweep 4.00 s (601 pts)

3 Markers

Total Channel Power	0.73 dBm / 250 MHz
Total Power Spectral Density	-83.25 dBm/Hz

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