

**Appendix E. Average Power****In the 5.2GHz Band**

Modulation Type	Conducted Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)	Total power (dBm)	Total power (mW)	FCC Limit (dBm)
				ANT 1			
11a	41	36	5180	9.60	9.60	9.120	24.00
11a	47	40	5200	11.05	11.05	12.735	24.00
11a	47	48	5240	11.20	11.20	13.183	24.00
11ax HE20	41	36	5180	9.60	9.60	9.120	24.00
11ax HE20	47	40	5200	11.19	11.19	13.152	24.00
11ax HE20	47	48	5240	11.17	11.17	13.092	24.00
11ax HE40	33	38	5190	7.89	7.89	6.152	24.00
11ax HE40	46	46	5230	11.39	11.39	13.772	24.00
11ax HE80	33	42	5210	7.73	7.73	5.929	24.00

Modulation Type	Conducted Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)	Total power (dBm)	Total power (mW)	FCC Limit (dBm)
				ANT 2			
11a	49	36	5180	9.89	9.89	9.750	24.00
11a	55	40	5200	11.34	11.34	13.614	24.00
11a	55	48	5240	11.36	11.36	13.677	24.00
11ax HE20	49	36	5180	9.95	9.95	9.886	24.00
11ax HE20	55	40	5200	11.42	11.42	13.868	24.00
11ax HE20	55	48	5240	11.43	11.43	13.900	24.00
11ax HE40	41	38	5190	8.31	8.31	6.776	24.00
11ax HE40	55	46	5230	11.74	11.74	14.928	24.00
11ax HE80	39	42	5210	7.80	7.80	6.026	24.00

**In the 5.3GHz Band**

Modulation Type	Conducted Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)	Total power (dBm)	Total power (mW)	FCC Limit (dBm)
				ANT 1			
11a	55	52	5260	12.41	12.41	17.418	24.00
11a	55	60	5300	12.42	12.42	17.458	24.00
11a	41	64	5320	9.07	9.07	8.072	24.00
11ax HE20	55	52	5260	12.47	12.47	17.660	24.00
11ax HE20	54	60	5300	12.28	12.28	16.904	24.00
11ax HE20	40	64	5320	8.90	8.90	7.762	24.00
11ax HE40	47	54	5270	10.90	10.90	12.303	24.00
11ax HE40	31	62	5310	6.56	6.56	4.529	24.00
11ax HE80	32	58	5290	6.95	6.95	4.955	24.00

Modulation Type	Conducted Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)	Total power (dBm)	Total power (mW)	FCC Limit (dBm)
				ANT 2			
11a	63	52	5260	12.73	12.73	18.750	24.00
11a	63	60	5300	12.67	12.67	18.493	24.00
11a	50	64	5320	9.33	9.33	8.570	24.00
11ax HE20	63	52	5260	12.77	12.77	18.923	24.00
11ax HE20	63	60	5300	12.70	12.70	18.621	24.00
11ax HE20	50	64	5320	9.38	9.38	8.670	24.00
11ax HE40	56	54	5270	11.47	11.47	14.028	24.00
11ax HE40	40	62	5310	7.22	7.22	5.272	24.00
11ax HE80	41	58	5290	7.34	7.34	5.420	24.00

**In the 5.5GHz Band**

Modulation Type	Conducted Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)	Total power (dBm)	Total power (mW)	FCC Limit (dBm)
				ANT 1			
11a	37	100	5500	9.21	9.21	8.337	24.00
11a	60	120	5600	14.89	14.89	30.832	24.00
11a	59	140	5700	14.87	14.87	30.690	24.00
11ax HE20	37	100	5500	9.27	9.27	8.453	24.00
11ax HE20	60	120	5600	14.91	14.91	30.974	24.00
11ax HE20	55	140	5700	13.79	13.79	23.933	24.00
11ax HE40	31	102	5510	7.91	7.91	6.180	24.00
11ax HE40	47	118	5590	12.46	12.46	17.620	24.00
11ax HE40	46	134	5670	12.41	12.41	17.418	24.00
11ax HE80	31	106	5530	7.06	7.06	5.082	24.00
11ax HE80	40	122	5610	10.48	10.48	11.169	24.00

Modulation Type	Conducted Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)	Total power (dBm)	Total power (mW)	FCC Limit (dBm)
				ANT 2			
11a	47	100	5500	9.49	9.49	8.892	24.00
11a	67	120	5600	15.08	15.08	32.211	24.00
11a	66	140	5700	14.97	14.97	31.405	24.00
11ax HE20	46	100	5500	9.43	9.43	8.770	24.00
11ax HE20	66	120	5600	14.98	14.98	31.477	24.00
11ax HE20	66	140	5700	14.86	14.86	30.620	24.00
11ax HE40	39	102	5510	8.14	8.14	6.516	24.00
11ax HE40	56	118	5590	12.62	12.62	18.281	24.00
11ax HE40	55	134	5670	12.67	12.67	18.493	24.00
11ax HE80	36	106	5530	7.57	7.57	5.715	24.00
11ax HE80	49	122	5610	10.84	10.84	12.134	24.00

**In the 5.8GHz Band**

Modulation Type	Conducted Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)	Total power (dBm)	Total power (mW)	FCC Limit (dBm)
				ANT 1			
11a	51	149	5745	13.13	13.13	20.559	30.00
11a	51	157	5785	13.10	13.10	20.417	30.00
11a	37	165	5825	9.72	9.72	9.376	30.00
11ax HE20	51	149	5745	13.11	13.11	20.464	30.00
11ax HE20	51	157	5785	13.12	13.12	20.512	30.00
11ax HE20	36	165	5825	9.61	9.61	9.141	30.00
11ax HE40	31	151	5755	7.85	7.85	6.095	30.00
11ax HE40	31	159	5795	8.05	8.05	6.383	30.00
11ax HE80	32	155	5775	8.82	8.82	7.621	30.00

Modulation Type	Conducted Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)	Total power (dBm)	Total power (mW)	FCC Limit (dBm)
				ANT 2			
11a	58	149	5745	13.29	13.29	21.330	30.00
11a	57	157	5785	13.12	13.12	20.512	30.00
11a	43	165	5825	9.89	9.89	9.750	30.00
11ax HE20	57	149	5745	13.16	13.16	20.701	30.00
11ax HE20	57	157	5785	13.15	13.15	20.654	30.00
11ax HE20	43	165	5825	9.96	9.96	9.908	30.00
11ax HE40	37	151	5755	8.79	8.79	7.568	30.00
11ax HE40	37	159	5795	8.91	8.91	7.780	30.00
11ax HE80	38	155	5775	8.79	8.79	7.568	30.00

**Straddle Channel**

Channel	Setting	Modulation Type	Frequency (MHz)	Avg Power Output (dBm)	Total Power
				ANT 1	(dBm)
Meter power (for full power)					
Ch144	59	11a	5720MHz	14.94	14.94
Ch144	58	11ax HE20	5720MHz	14.78	14.78
Ch142	46	11ax HE40	5710MHz	12.39	12.39
Ch138	40	11ax HE80	5690MHz	10.59	10.59

Channel	Setting	Modulation Type	Frequency (MHz)	Avg Power Output (dBm)	Total Power
				ANT 2	(dBm)
Meter power (for full power)					
Ch144	66	11a	5720MHz	15.03	15.03
Ch144	65	11ax HE20	5720MHz	14.73	14.73
Ch142	55	11ax HE40	5710MHz	12.61	12.61
Ch138	48	11ax HE80	5690MHz	10.76	10.76

Note: Power Meter Average power is for reference only.

FCC Maximum Conducted Output Power (Within 5470-5725MHz band) RF Output Power(dBm)									
Channel	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 (mW)	With duty factor Total power (dBm)	FCC Limit (dBm)
				ANT 1					
144	59	11a	5720	14.02	14.02	0.00	25.235	14.02	22.76
144	58	11ax HE20	5720	13.65	13.65	0.00	23.174	13.65	23.04
142	46	11ax HE40	5710	12.07	12.07	0.15	16.672	12.22	24.00
138	40	11ax HE80	5690	10.16	10.16	0.27	11.041	10.43	24.00

FCC Maximum Conducted Output Power (Within 5470-5725MHz band) RF Output Power(dBm)									
Channel	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 (mW)	With duty factor Total power (dBm)	FCC Limit (dBm)
				ANT 2					
144	66	11a	5720	14.06	14.06	0.00	25.468	14.06	22.76
144	65	11ax HE20	5720	13.78	13.78	0.00	23.878	13.78	23.04
142	55	11ax HE40	5710	12.24	12.24	0.14	17.298	12.38	24.00
138	48	11ax HE80	5690	10.42	10.42	0.29	11.776	10.71	24.00



FCC Maximum Conducted Output Power (Extends across 5725MHz band) RF Output Power(dBm)									
Channel	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 (mW)	With duty factor Total power (dBm)	FCC Limit (dBm)
				ANT 1					
144	59	11a	5720	6.54	6.54	0.00	4.508	6.54	30.00
144	58	11ax HE20	5720	6.72	6.72	0.00	4.699	6.72	30.00
142	46	11ax HE40	5710	2.35	2.35	0.15	1.778	2.50	30.00
138	40	11ax HE80	5690	-2.99	-2.99	0.27	0.535	-2.72	30.00

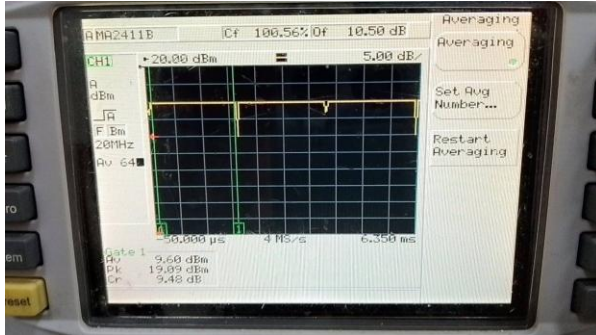
FCC Maximum Conducted Output Power (Extends across 5725MHz band) RF Output Power(dBm)									
Channel	Setting	Modulation Type	Frequency (MHz)	W/O Duty Factor Measured value of each antenna port (dBm)	W/O duty factor Total power (dBm)	Duty Factor (dB)	With duty factor Total power (mW)	With duty factor Total power (dBm)	FCC Limit (dBm)
				ANT 2					
144	66	11a	5720	6.56	6.56	0.00	4.529	6.56	30.00
144	65	11ax HE20	5720	6.73	6.73	0.00	4.710	6.73	30.00
142	55	11ax HE40	5710	2.73	2.73	0.14	1.936	2.87	30.00
138	48	11ax HE80	5690	-2.28	-2.28	0.29	0.632	-1.99	30.00



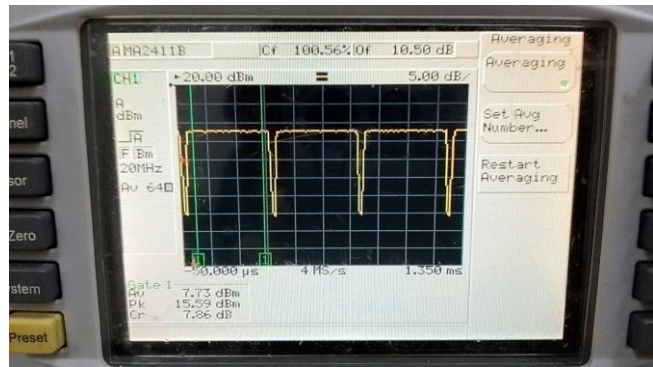
Gate setup plot:

ANT 1

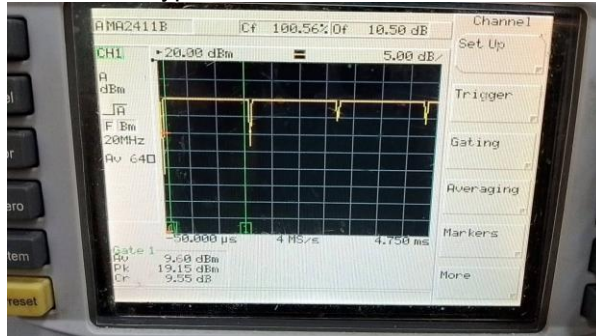
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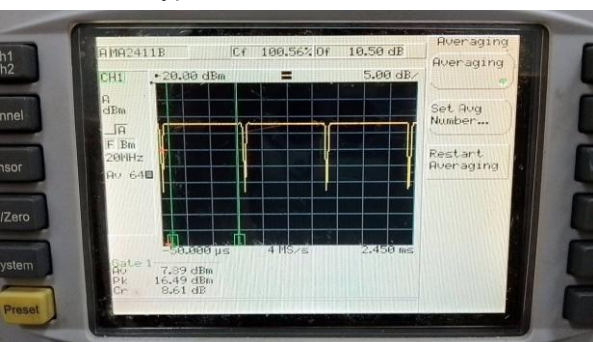
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Modulation Type: 802.11ax HE20



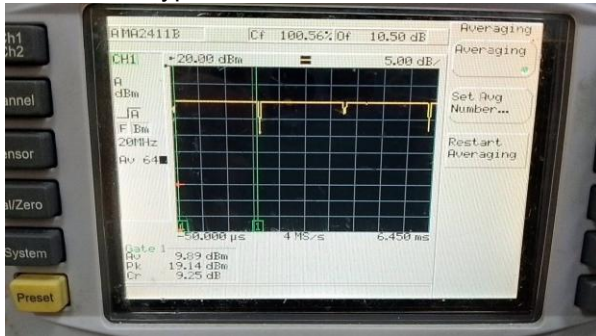
Modulation Type: 802.11ax HE40



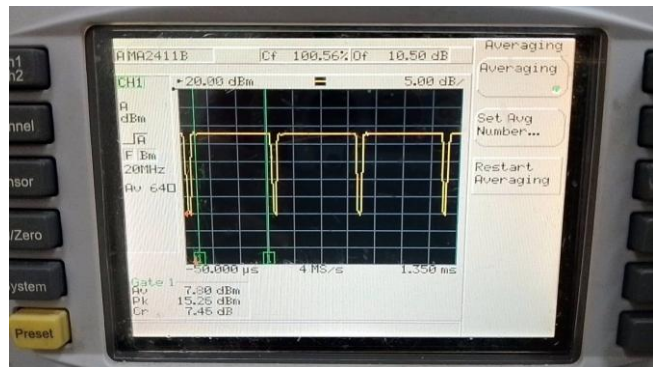


ANT 2

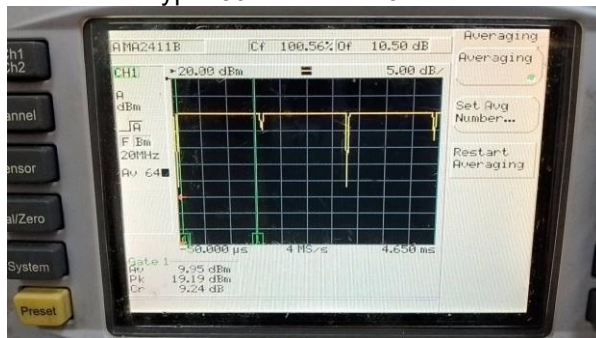
Modulation Type: 802.11a



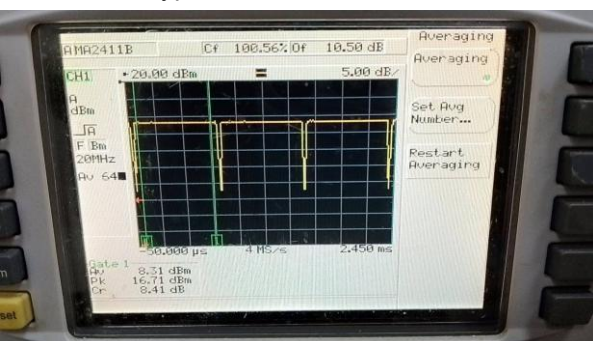
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Modulation Type: 802.11ax HE20

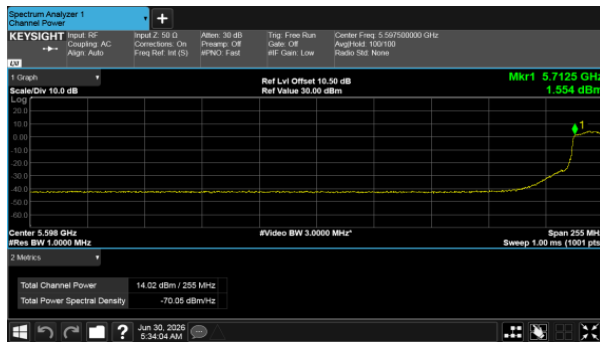


Modulation Type: 802.11ax HE40

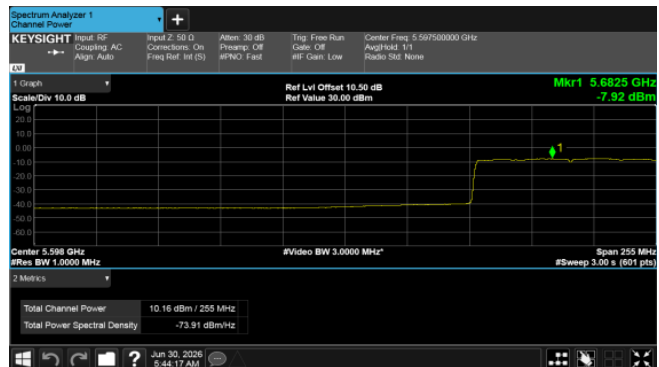




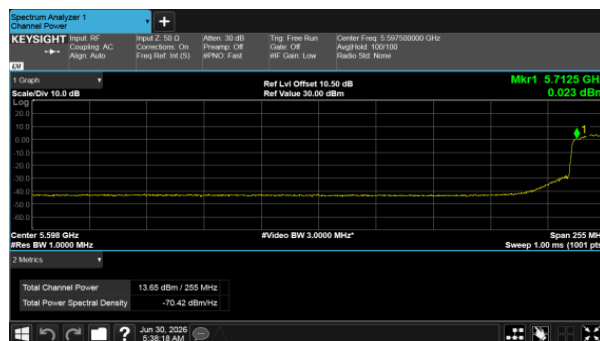
Within 5470-5725MHz Band, Straddle Channel, ANT 1
Modulation Type: 802.11a
CH144



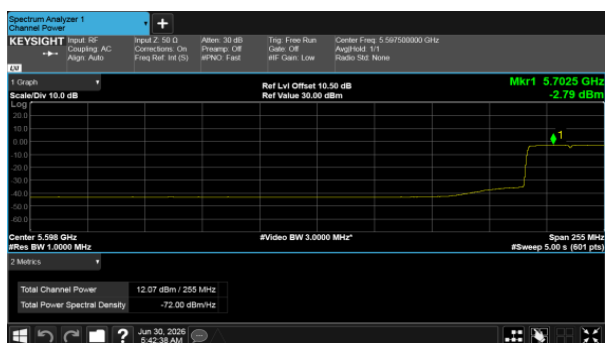
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CH138



Modulation Type: 802.11ax HE20
CH144

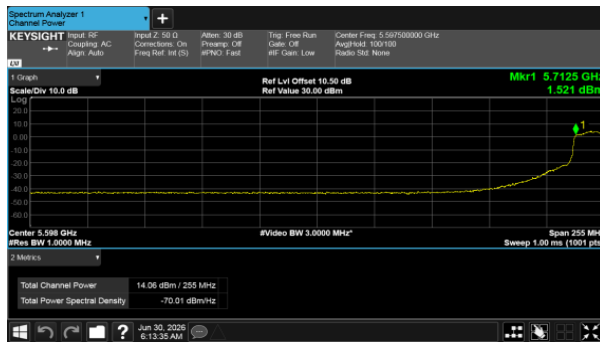


Modulation Type: 802.11ax HE40
CH142

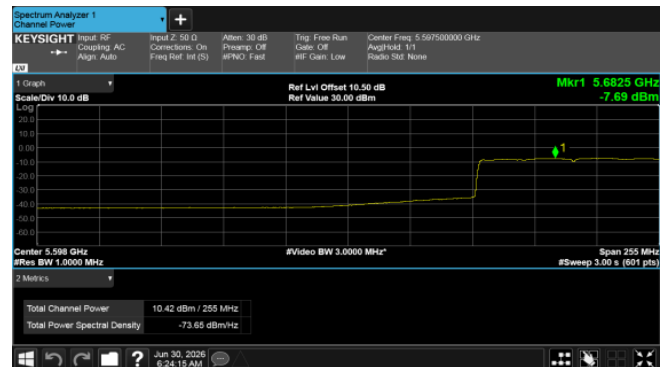




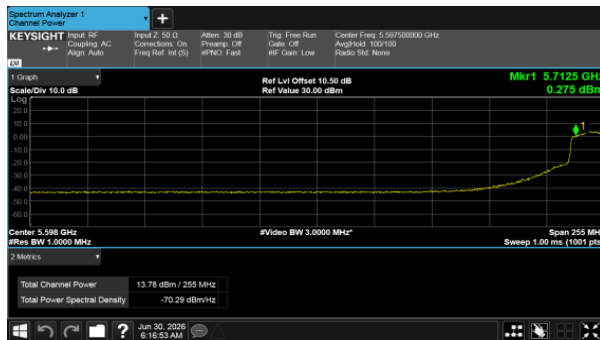
Within 5470-5725MHz Band, Straddle Channel, ANT 2
Modulation Type: 802.11a
CH144



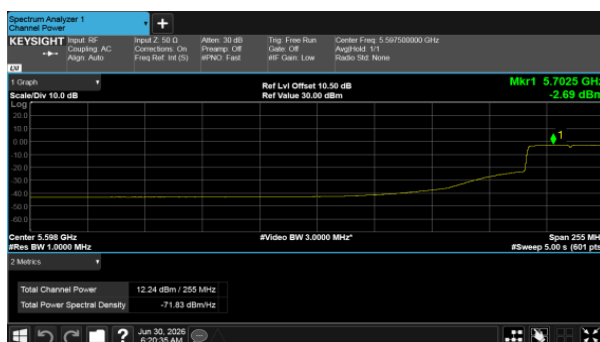
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CH138



Modulation Type: 802.11ax HE20
CH144

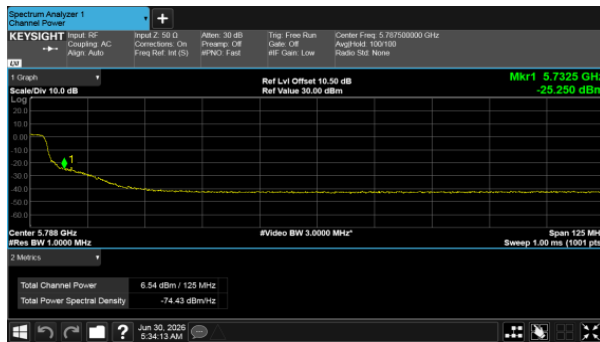


Modulation Type: 802.11ax HE40
CH142

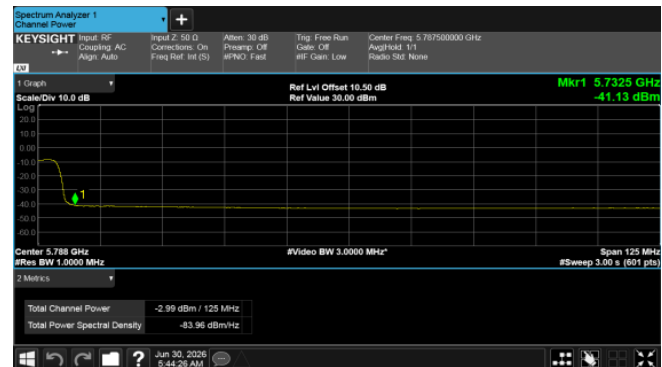




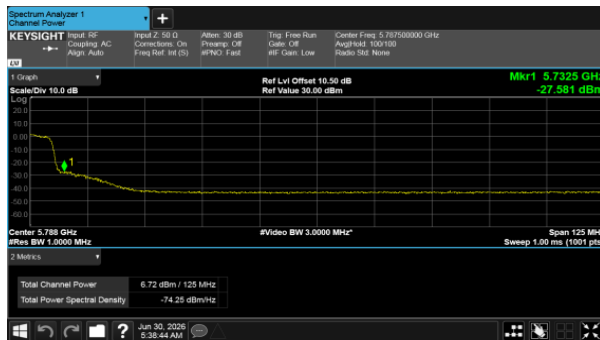
Extends across 5725MHz band, Straddle Channel, ANT 1
Modulation Type: 802.11a
CH144



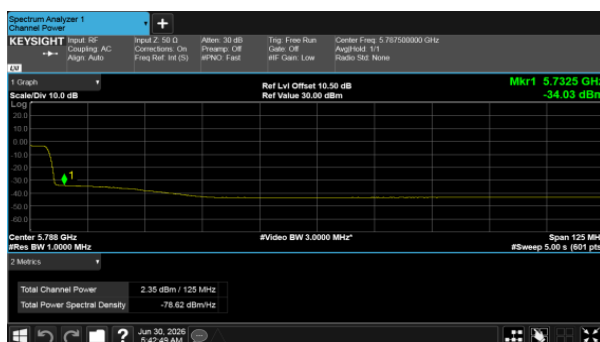
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CH138



Modulation Type: 802.11ax HE20
CH144

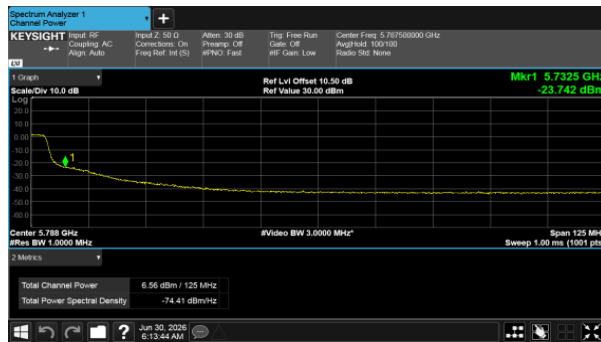


Modulation Type: 802.11ax HE40
CH142

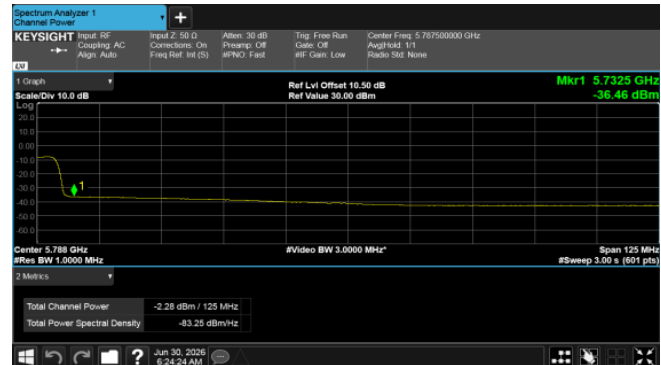




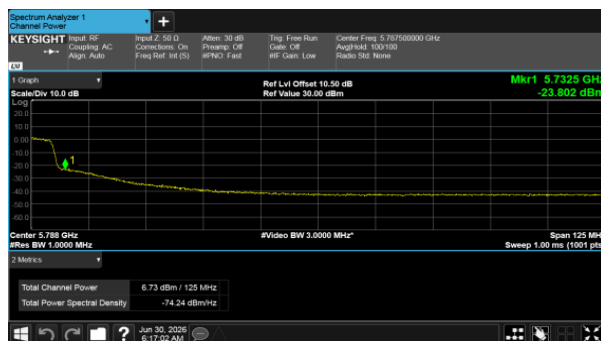
Extends across 5725MHz band, Straddle Channel, ANT 2
Modulation Type: 802.11a
CH144



Modulation Type: 802.11ax HE80
CH138



Modulation Type: 802.11ax HE20
CH144



Modulation Type: 802.11ax HE40
CH142

