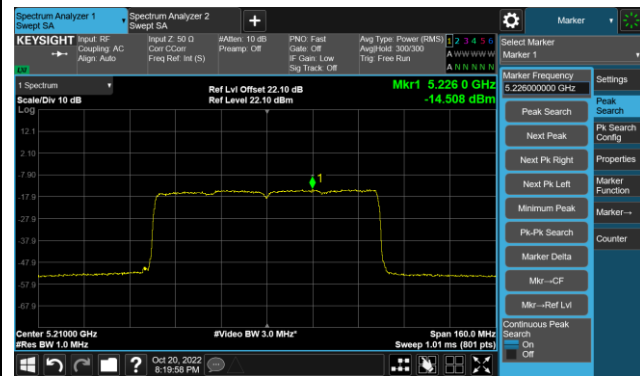
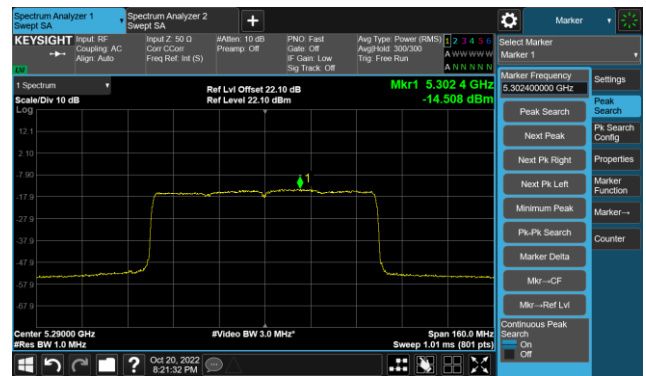


802.11ax-HE80 Power Spectral Density - Ant 2

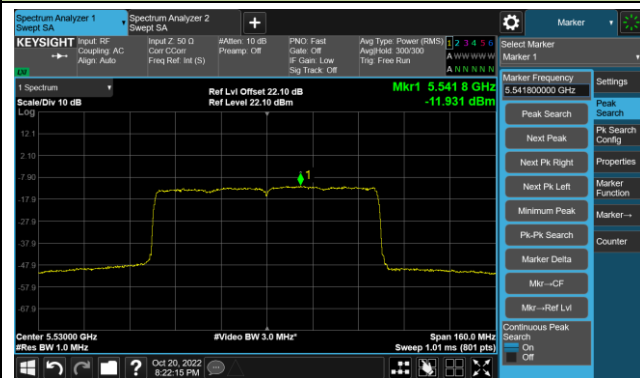
Channel 42 (5210MHz)



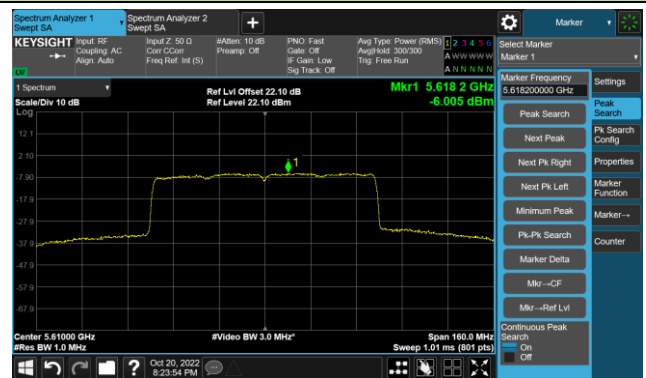
Channel 58 (5290MHz)



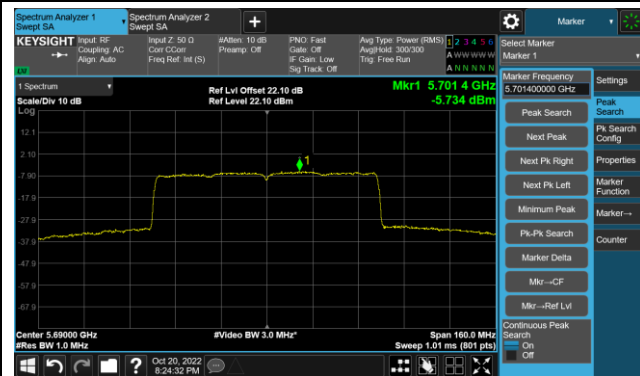
Channel 106 (5530MHz)



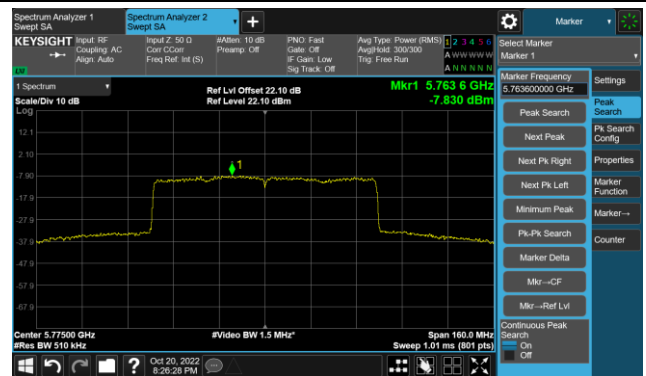
Channel 122 (5610MHz)



Channel 138 (5690MHz)



Channel 155 (5775MHz)



Test Site	SIP-TR1	Test Engineer	Alisa Deng
Test Date	2022-10-24~2022-10-26	Test Mode	MIMO Mode
Test Item	Power Spectral Density (UNII-Band 1 & UNII-2a & UNII-2c)		
Test Mode	802.11ax-HE, partial RU		

Test Mode	Tone	RU	Channel No.	Freq. (MHz)	AVPSD (dBm/ MHz)		Total PSD (dBm/ MHz)	PSD Limit (dBm/MHz)
					Ant 1	Ant 2		
11ax-HE20	26 Tone	RU 0	36	5180	8.085	3.298	10.753	11.00
			44	5220	8.586	1.988	10.868	11.00
			48	5240	8.427	2.242	10.786	11.00
			52	5260	8.769	1.183	10.889	11.00
			60	5300	8.590	1.749	10.829	11.00
			64	5320	8.522	2.299	10.874	11.00
			100	5500	7.830	3.582	10.639	11.00
			116	5580	8.144	3.537	10.857	11.00
			140	5700	7.870	4.233	10.854	11.00
			144	5720	7.707	4.690	10.888	11.00
		RU 4	36	5180	8.369	2.330	10.757	11.00
			44	5220	8.662	1.873	10.910	11.00
			48	5240	8.491	1.850	10.765	11.00
			52	5260	8.491	1.312	10.674	11.00
			60	5300	8.443	1.896	10.734	11.00
			64	5320	8.530	1.616	10.757	11.00
			100	5500	7.782	3.617	10.614	11.00
			116	5580	7.536	4.259	10.632	11.00
			140	5700	7.808	4.180	10.795	11.00
			144	5720	7.644	4.314	10.723	11.00

Test Mode	Tone	RU	Channel No.	Freq. (MHz)	AVPSD (dBm/ MHz)		Total PSD (dBm/ MHz)	PSD Limit (dBm/MHz)
					Ant 1	Ant 2		
11ax-HE20	26 Tone	RU 8	36	5180	8.422	2.848	10.907	11.00
			44	5220	8.106	2.633	10.613	11.00
			48	5240	8.612	2.174	10.923	11.00
			52	5260	8.529	1.235	10.694	11.00
			60	5300	8.467	1.936	10.761	11.00
			64	5320	8.147	2.331	10.580	11.00
			100	5500	7.599	4.318	10.694	11.00
			116	5580	7.445	4.671	10.709	11.00
			140	5700	7.493	4.693	10.748	11.00
			144	5720	7.696	4.484	10.813	11.00
	484 Tone	RU 61	36	5180	3.664	0.273	5.616	11.00
			44	5220	4.397	1.240	6.424	11.00
			48	5240	4.649	1.380	6.640	11.00
			52	5260	4.757	0.703	6.511	11.00
			60	5300	4.694	0.835	6.504	11.00
			64	5320	3.617	0.454	5.642	11.00
			100	5500	3.728	2.050	6.294	11.00
			116	5580	4.413	2.821	7.014	11.00
			140	5700	1.005	-0.379	3.692	11.00
			144	5720	4.193	3.030	6.975	11.00

Test Mode	Tone	RU	Channel No.	Freq. (MHz)	AVPSD (dBm/ MHz)		Total PSD (dBm/ MHz)	PSD Limit (dBm/MHz)
					Ant 1	Ant 2		
11ax-HE40	26 Tone	RU 0	38	5190	8.241	2.012	10.604	11.00
			46	5230	8.482	1.740	10.751	11.00
			54	5270	8.661	1.899	10.926	11.00
			62	5310	8.479	2.432	10.877	11.00
			102	5510	7.236	4.147	10.405	11.00
			118	5590	7.104	4.965	10.610	11.00
			134	5670	7.366	5.016	10.793	11.00
			142	5710	7.095	4.978	10.609	11.00
		RU 8	38	5190	8.373	3.108	10.939	11.00
			46	5230	8.286	2.891	10.822	11.00
			54	5270	8.249	2.248	10.657	11.00
			62	5310	8.373	2.762	10.862	11.00
			102	5510	7.447	4.557	10.683	11.00
			118	5590	7.513	4.843	10.825	11.00
			134	5670	7.340	4.738	10.676	11.00
			142	5710	7.231	4.465	10.509	11.00
		RU 17	38	5190	7.956	3.654	10.762	11.00
			46	5230	7.796	4.304	10.837	11.00
			54	5270	8.468	2.487	10.880	11.00
			62	5310	8.174	2.763	10.707	11.00
			102	5510	7.055	5.162	10.656	11.00
			118	5590	6.885	5.334	10.623	11.00
			134	5670	7.007	5.113	10.607	11.00
			142	5710	7.717	4.627	10.886	11.00
	484 Tone	RU 65	38	5190	-3.538	-7.362	-1.706	11.00
			46	5230	1.641	-1.798	3.590	11.00
			54	5270	2.269	-1.968	3.984	11.00
			62	5310	-2.911	-6.648	-1.053	11.00
			102	5510	-3.879	-5.108	-1.114	11.00
			118	5590	1.965	0.873	4.789	11.00
			134	5670	0.427	-0.891	3.154	11.00
			142	5710	2.220	0.777	4.894	11.00

Test Mode	Tone	RU	Channel No.	Freq. (MHz)	AVPSD (dBm/ MHz)		Total PSD (dBm/ MHz)	PSD Limit (dBm/MHz)
					Ant 1	Ant 2		
11ax-HE80	26 Tone	RU 0	42	5210	6.109	2.333	9.052	11.00
			58	5290	8.299	1.679	10.577	11.00
			106	5530	7.599	4.834	10.866	11.00
			122	5610	7.004	5.856	10.901	11.00
			138	5690	7.132	5.180	10.698	11.00
		RU 18	42	5210	7.544	4.046	10.571	11.00
			58	5290	7.972	4.221	10.922	11.00
			106	5530	7.052	5.691	10.857	11.00
			122	5610	6.852	6.084	10.918	11.00
			138	5690	6.826	5.764	10.760	11.00
		RU 36	42	5210	8.134	3.729	10.900	11.00
			58	5290	8.100	2.429	10.564	11.00
			106	5530	7.390	5.275	10.893	11.00
			122	5610	7.282	5.490	10.911	11.00
			138	5690	7.597	4.891	10.884	11.00
	996 Tone	RU 67	42	5210	-5.815	-9.176	-3.848	11.00
			58	5290	-5.448	-9.122	-3.577	11.00
			106	5530	-6.516	-7.994	-3.862	11.00
			122	5610	-0.627	-3.139	1.627	11.00
			138	5690	-0.845	-3.010	1.537	11.00

Note: When EUT duty cycle < 98%, the total PSD (dBm/MHz) = AVGPSD +10*log (1/Duty cycle).

When EUT duty cycle ≥ 98%, the total PSD (dBm/MHz) = AVGPSD.

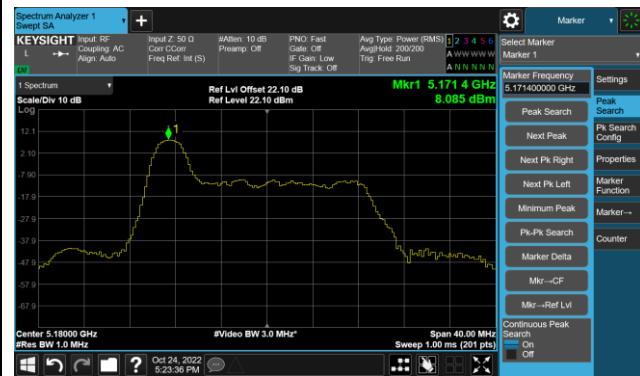
Test Site	SIP-TR1	Test Engineer	Alisa Deng
Test Date	2022-10-24~2022-10-26	Test Mode	MIMO Mode
Test Item	Power Spectral Density (UNII-Band 3)		
Test Mode	802.11ax-HE, RU		

Test Mode	Tone	RU	Channel No.	Freq. (MHz)	AVPSD (dBm/ 510kHz)		Total PSD (dBm/ 510kHz)	PSD Limit (dBm/ 500kHz)
					Ant 1	Ant 2		
11ax-HE20	26 Tone	RU 0	149	5745	9.802	7.147	13.107	30.00
			157	5785	9.911	7.264	13.219	30.00
			165	5825	10.133	7.643	13.497	30.00
		RU 4	149	5745	8.551	7.216	12.367	30.00
			157	5785	10.345	8.213	13.841	30.00
			165	5825	9.498	8.841	13.615	30.00
		RU 8	149	5745	9.510	8.013	13.258	30.00
			157	5785	10.247	7.795	13.625	30.00
			165	5825	9.526	8.268	13.375	30.00
	242 Tone	RU 61	149	5745	1.242	-0.025	3.979	30.00
			157	5785	1.855	0.335	4.486	30.00
			165	5825	1.870	0.797	4.691	30.00
11ax-HE40	26 Tone	RU 0	151	5755	9.339	8.429	13.353	30.00
			159	5795	9.988	8.337	13.685	30.00
		RU 8	151	5755	9.694	8.546	13.603	30.00
			159	5795	10.194	7.981	13.672	30.00
		RU 17	151	5755	10.135	8.509	13.842	30.00
			159	5795	10.261	8.713	14.000	30.00
	484 Tone	RU 65	151	5755	-0.769	-2.229	1.898	30.00
			159	5795	-0.942	-2.101	1.853	30.00
11ax-HE80	26 Tone	RU 0	155	5775	9.940	8.811	13.845	30.00
		RU 18	155	5775	9.362	8.170	13.240	30.00
		RU 36	155	5775	9.362	8.896	13.568	30.00
	996 Tone	RU 67	155	5775	-3.972	-5.553	-1.360	30.00

Note: When EUT duty cycle < 98%, the total PSD (dBm/510kHz) = $10 \cdot \log \{10^{(\text{Ant 1 AVGPSD}/10)} + 10^{(\text{Ant 2 AVGPSD}/10)}\} + 10 \cdot \log (1/\text{Duty cycle})$.

802.11ax-HE20 Power Spectral Density - Ant 1 – 26 Tone RU 0

Channel 36 (5180MHz)



Channel 44 (5220MHz)



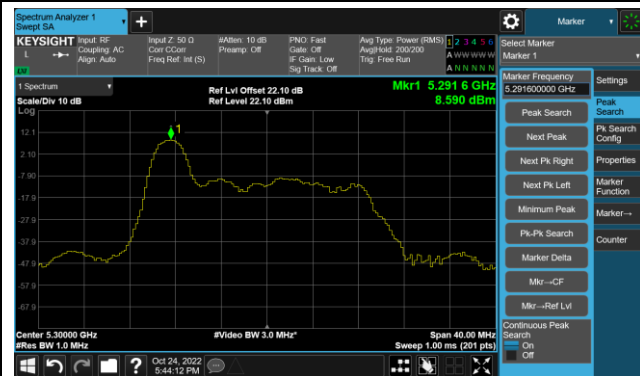
Channel 48 (5240MHz)



Channel 52 (5260MHz)



Channel 60 (5300MHz)

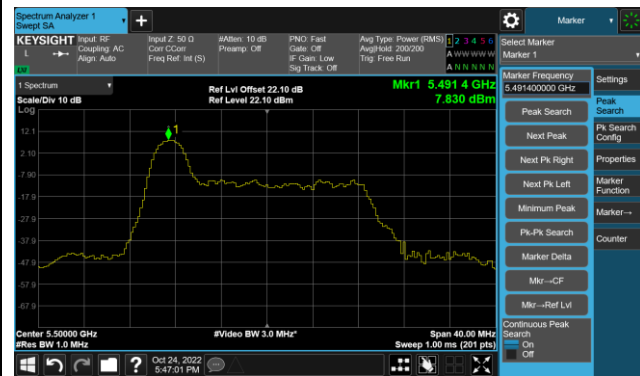


Channel 64 (5320MHz)



802.11ax-HE20 Power Spectral Density - Ant 1 – 26 Tone RU 0

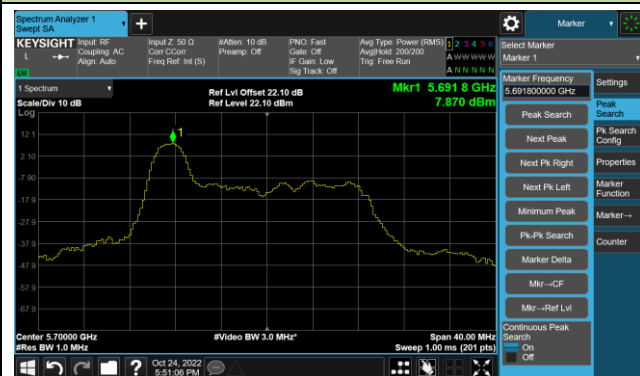
Channel 100 (5500MHz)



Channel 116 (5580MHz)



Channel 140 (5700MHz)



Channel 144(5720MHz)



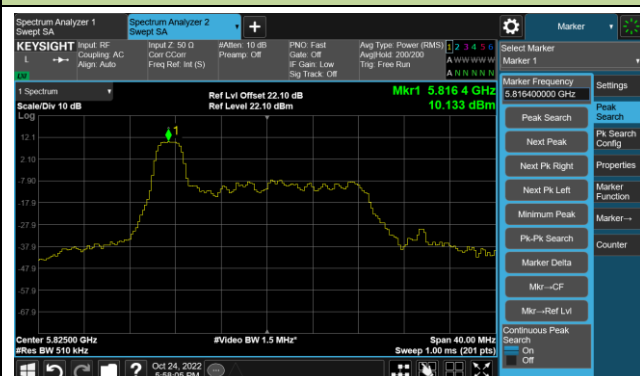
Channel 149 (5745MHz)



Channel 157(5785MHz)

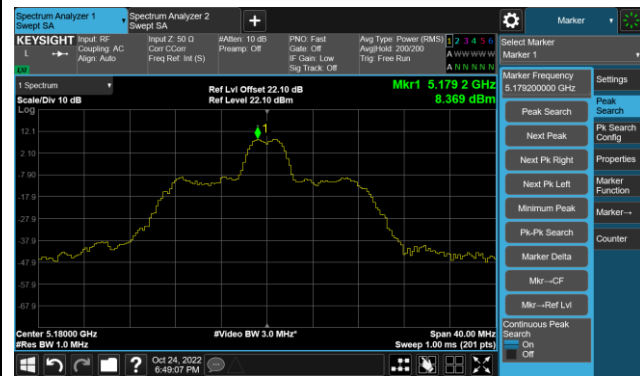


Channel 165 (5825MHz)



802.11ax-HE20 Power Spectral Density - Ant 1 – 26 Tone RU 4

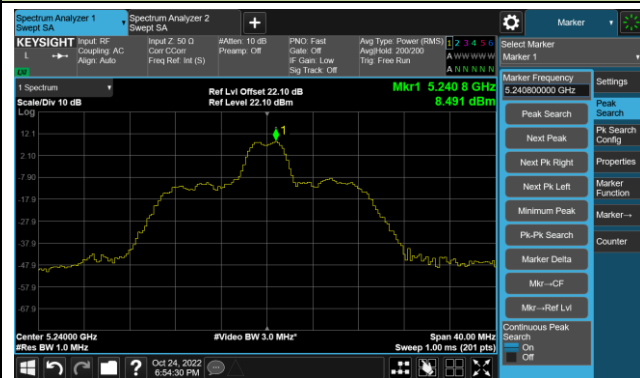
Channel 36 (5180MHz)



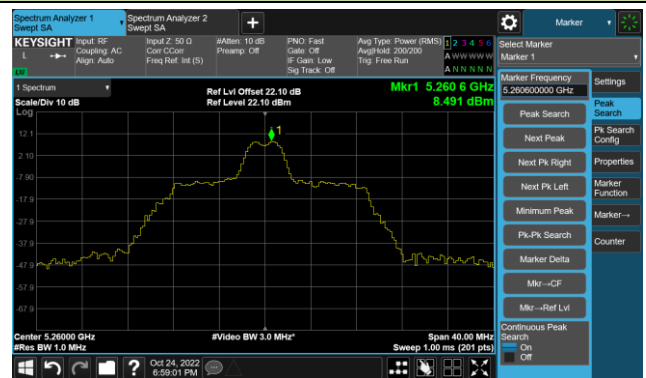
Channel 44 (5220MHz)



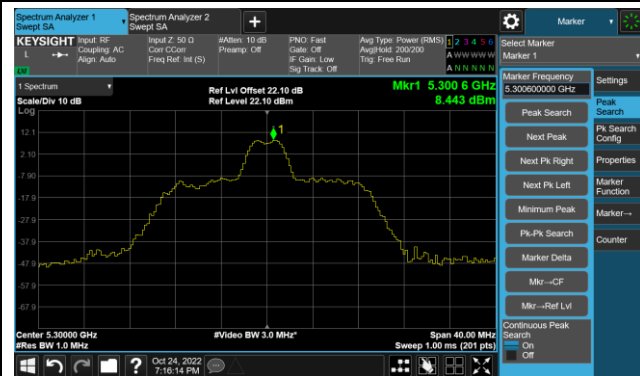
Channel 48 (5240MHz)



Channel 52 (5260MHz)



Channel 60 (5300MHz)

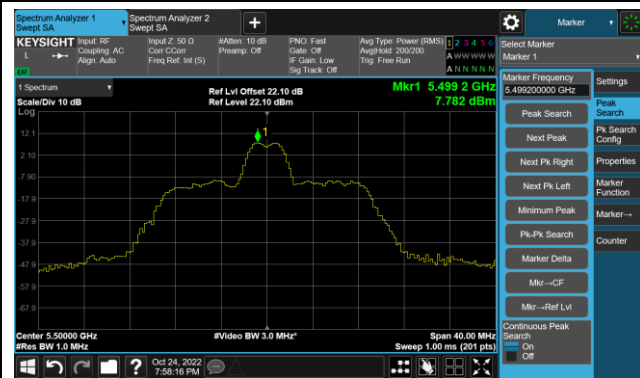


Channel 64 (5320MHz)



802.11ax-HE20 Power Spectral Density - Ant 1 – 26 Tone RU 4

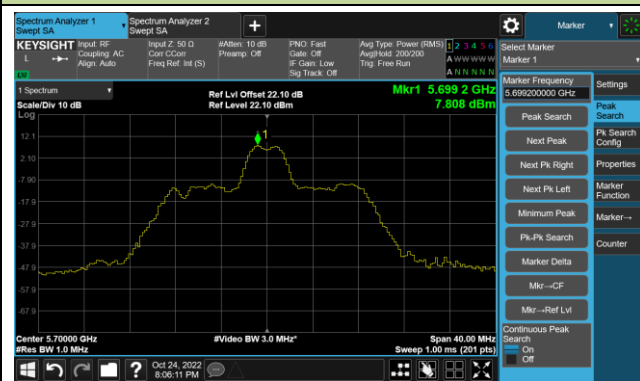
Channel 100 (5500MHz)



Channel 116 (5580MHz)



Channel 140 (5700MHz)



Channel 144(5720MHz)



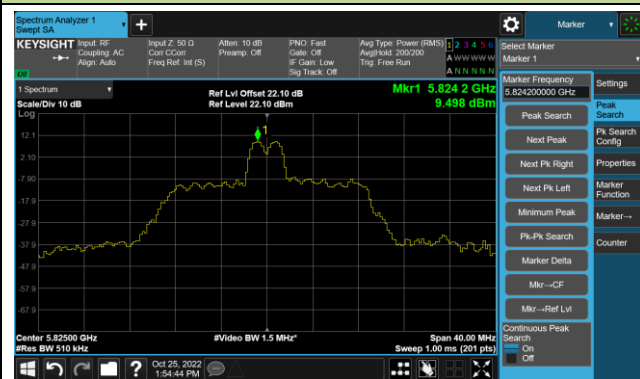
Channel 149 (5745MHz)



Channel 157(5785MHz)



Channel 165 (5825MHz)



802.11ax-HE20 Power Spectral Density - Ant 1 – 26 Tone RU 8

Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



Channel 52 (5260MHz)



Channel 60 (5300MHz)



Channel 64 (5320MHz)



802.11ax-HE20 Power Spectral Density - Ant 1 – 26 Tone RU 8

Channel 100 (5500MHz)



Channel 116 (5580MHz)



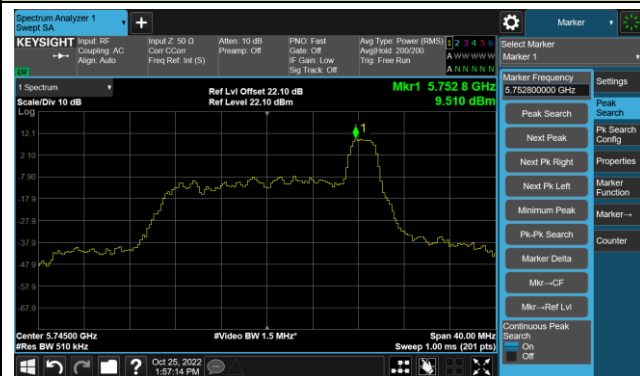
Channel 140 (5700MHz)



Channel 144(5720MHz)



Channel 149 (5745MHz)



Channel 157(5785MHz)

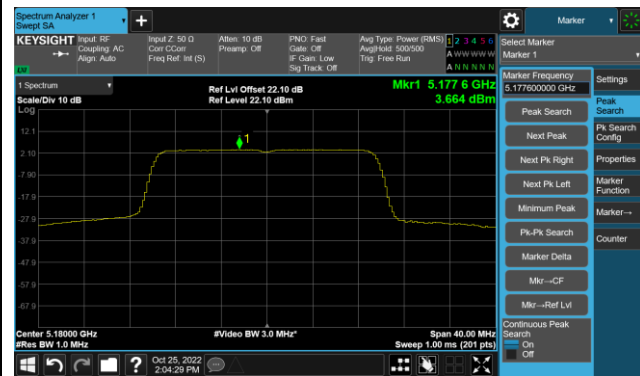


Channel 165 (5825MHz)

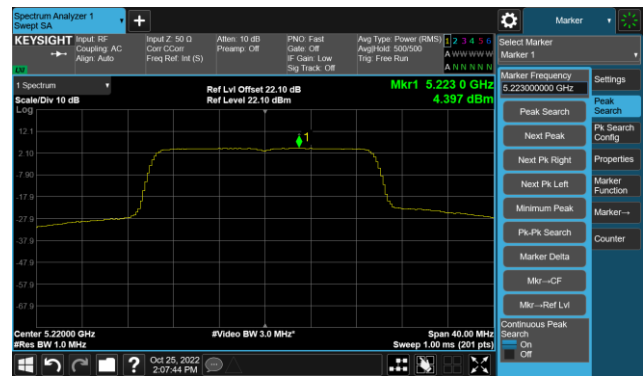


802.11ax-HE20 Power Spectral Density - Ant 1- 242 Tone RU 61

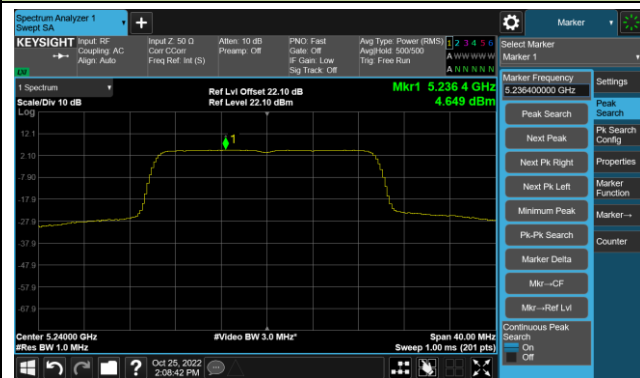
Channel 36 (5180MHz)



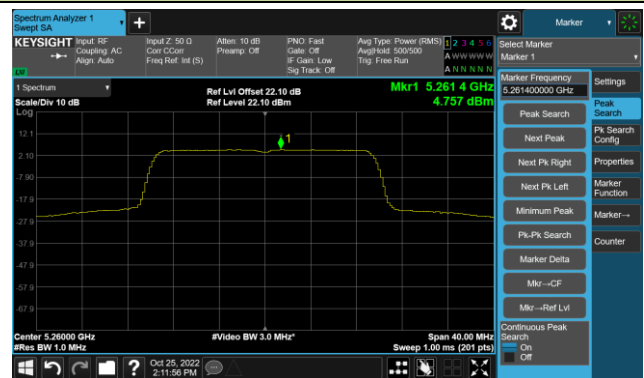
Channel 44 (5220MHz)



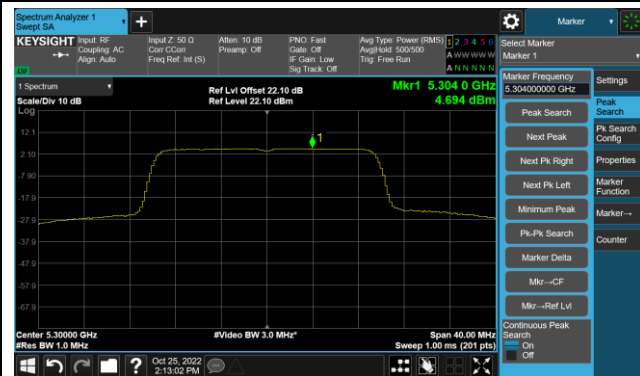
Channel 48 (5240MHz)



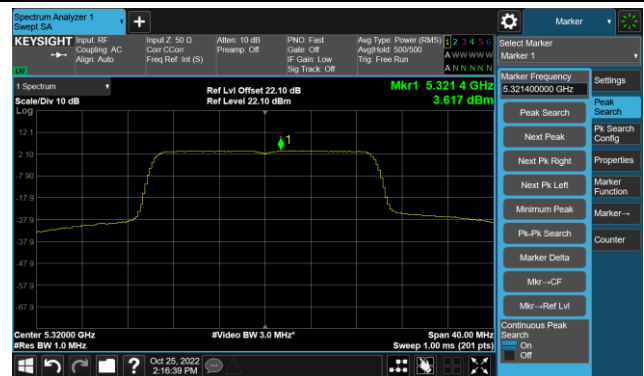
Channel 52 (5260MHz)



Channel 60 (5300MHz)

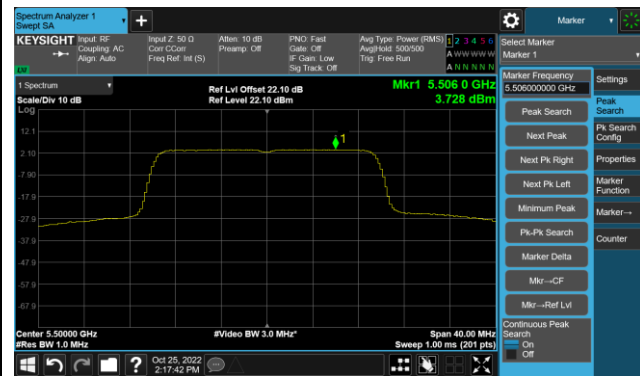


Channel 64 (5320MHz)

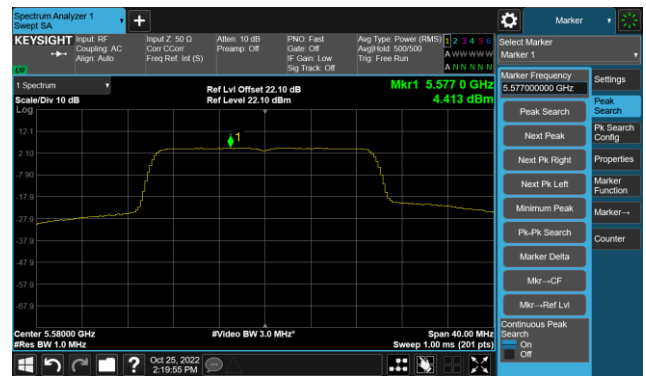


802.11ax-HE20 Power Spectral Density - Ant 1 – 242 Tone RU 61

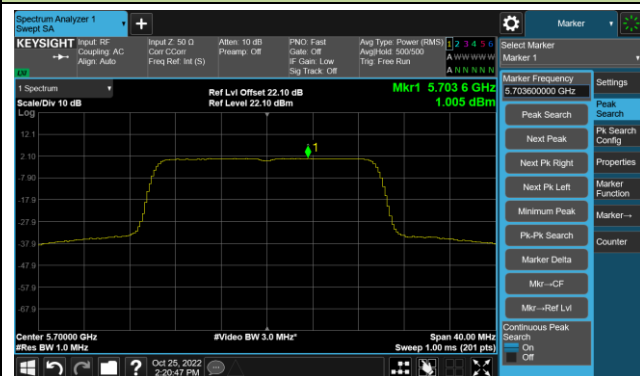
Channel 100 (5500MHz)



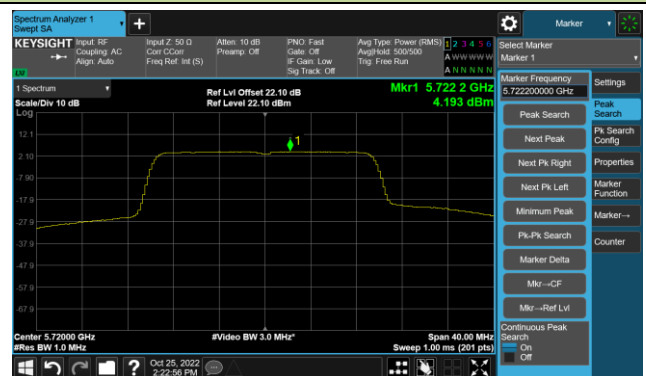
Channel 116 (5580MHz)



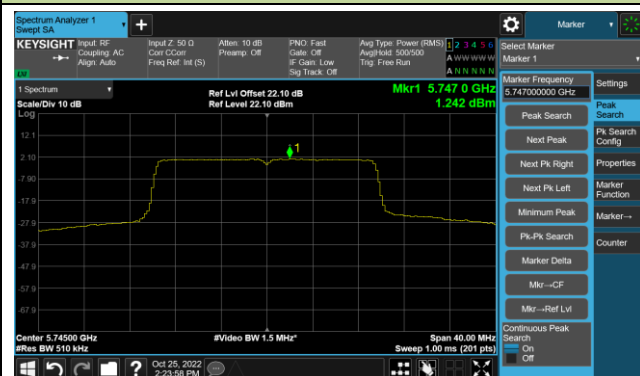
Channel 140 (5700MHz)



Channel 144(5720MHz)



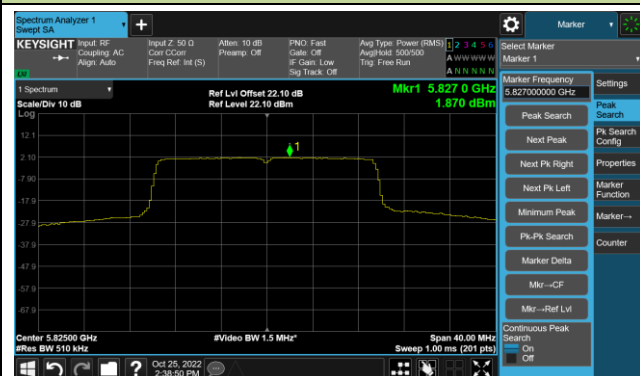
Channel 149 (5745MHz)



Channel 157(5785MHz)



Channel 165 (5825MHz)



802.11ax-HE40 Power Spectral Density - Ant 1 – 26 Tone RU 0

Channel 38 (5190MHz)



Channel 46 (5230MHz)



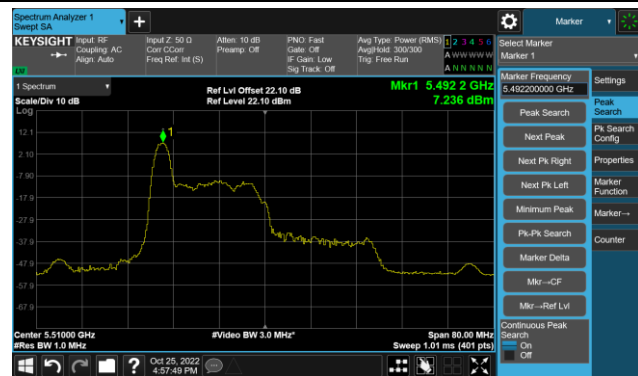
Channel 54 (5270MHz)



Channel 62 (5310MHz)



Channel 102 (5510MHz)

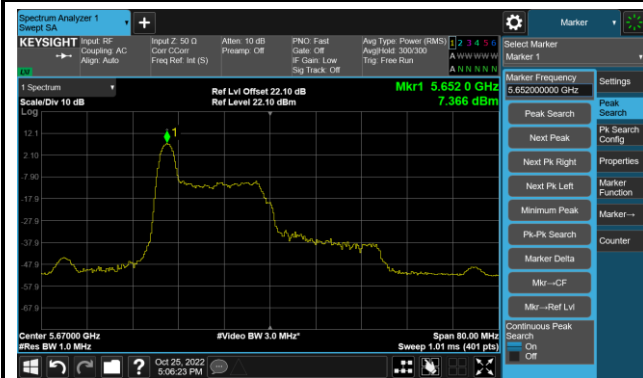


Channel 110 (5550MHz)



802.11ax-HE40 Power Spectral Density - Ant 1 – 26 Tone RU 0

Channel 134 (5670MHz)



Channel 142(5710MHz)



Channel 151 (5755MHz)

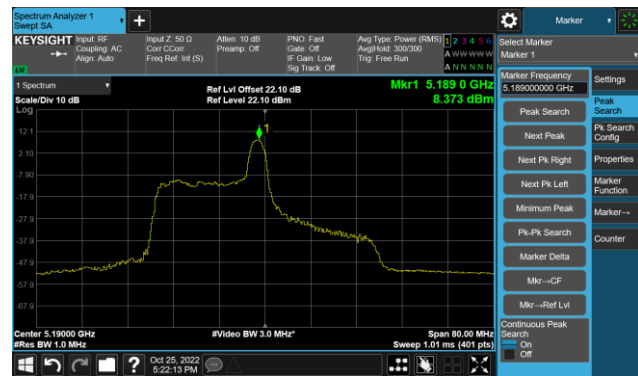


Channel 159(5795MHz)



802.11ax-HE40 Power Spectral Density - Ant 1 – 26 Tone RU 8

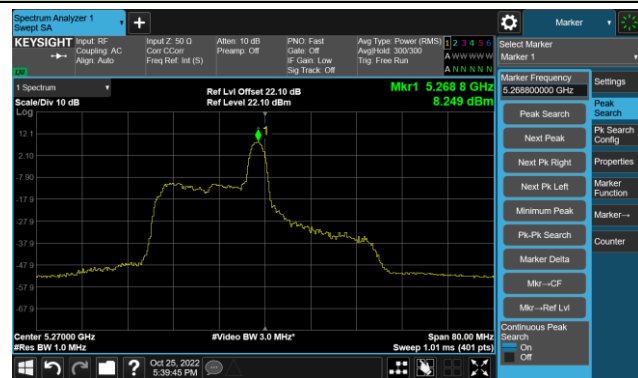
Channel 38 (5190MHz)



Channel 46 (5230MHz)



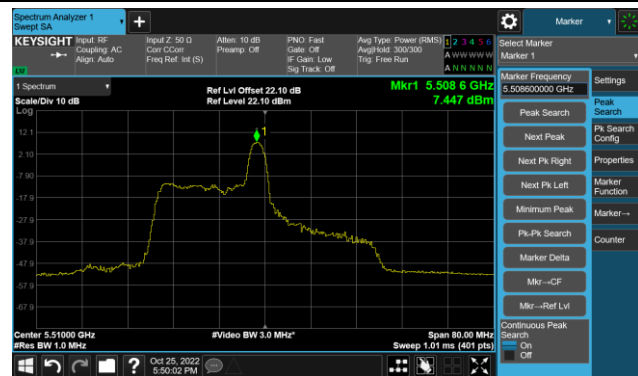
Channel 54 (5270MHz)



Channel 62 (5310MHz)



Channel 102 (5510MHz)



Channel 110 (5550MHz)

