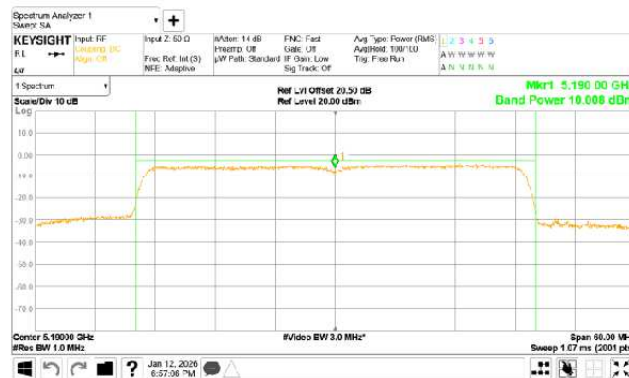


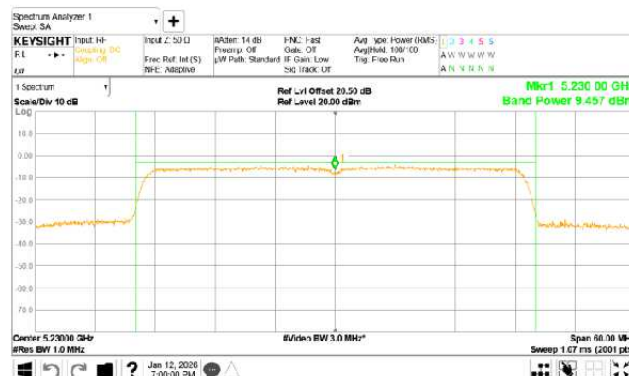
Chain0 : Conducted Power & EIRP @ 802.11ax(HE40) Mode Ch159



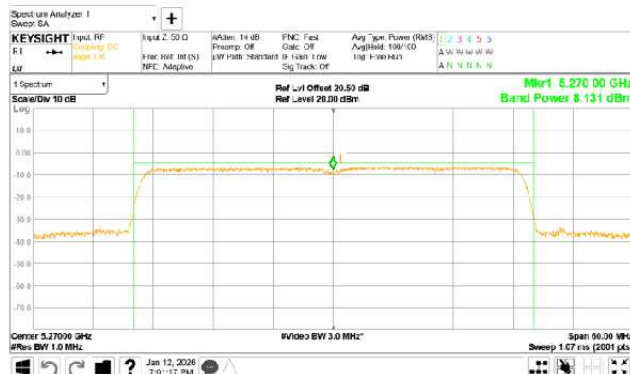
Chain1 : Conducted Power & EIRP @ 802.11ax(HE40) Mode Ch38



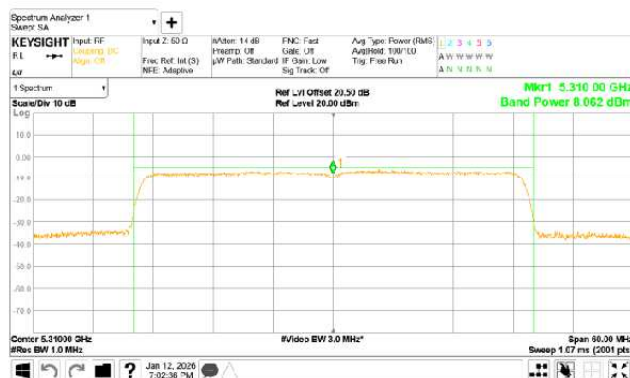
Chain1 : Conducted Power & EIRP @ 802.11ax(HE40) Mode Ch46



Chain1 : Conducted Power & EIRP @ 802.11ax(HE40) Mode Ch54



Chain1 : Conducted Power & EIRP @ 802.11ax(HE40) Mode Ch62



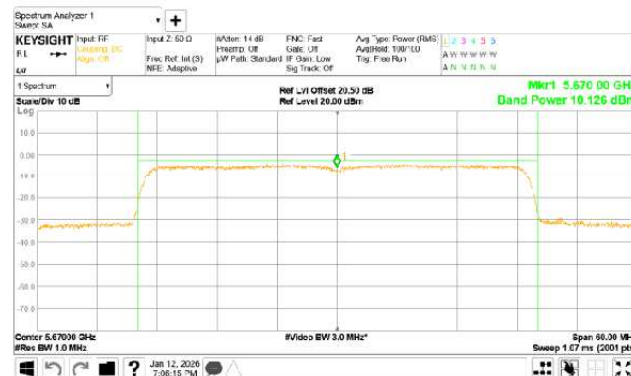
Chain1 : Conducted Power & EIRP @ 802.11ax(HE40) Mode Ch102



Chain1 : Conducted Power & EIRP @ 802.11ax(HE40) Mode Ch118



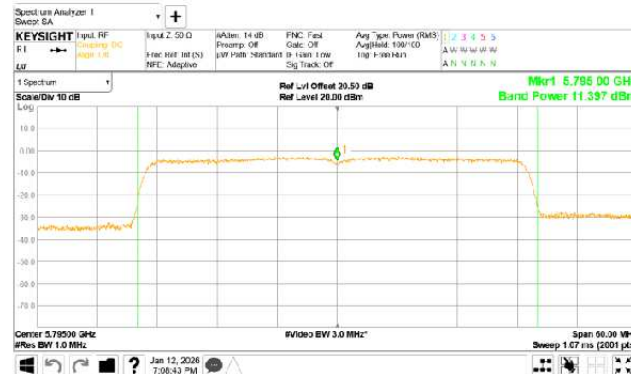
Chain1 : Conducted Power & EIRP @ 802.11ax(HE40) Mode Ch134



Chain1 : Conducted Power & EIRP @ 802.11ax(HE40) Mode Ch151



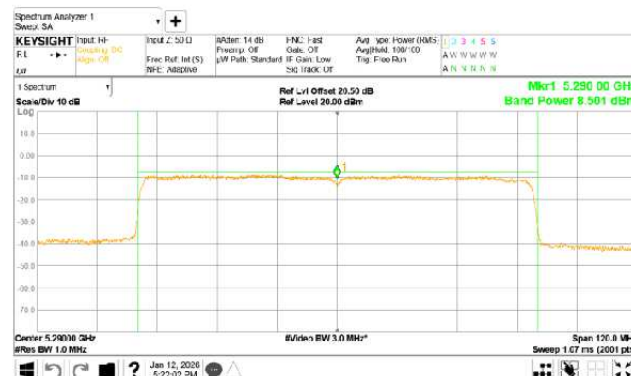
Chain1 : Conducted Power & EIRP @ 802.11ax(HE40) Mode Ch159



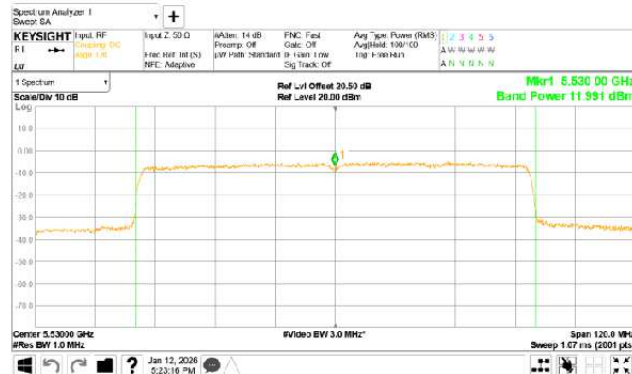
Chain0 : Conducted Power & EIRP @ 802.11ax(HE80) Mode Ch42



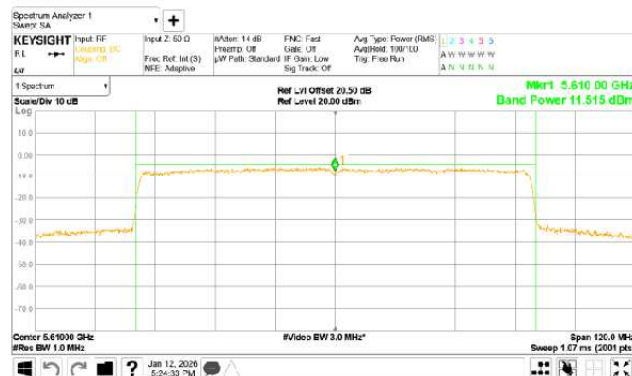
Chain0 : Conducted Power & EIRP @ 802.11ax(HE80) Mode Ch58



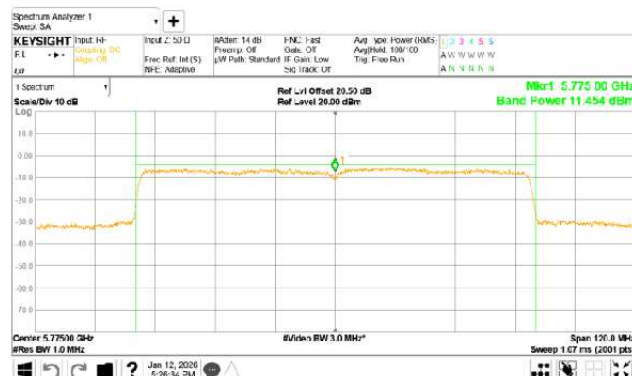
Chain0 : Conducted Power & EIRP @ 802.11ax(HE80) Mode Ch106



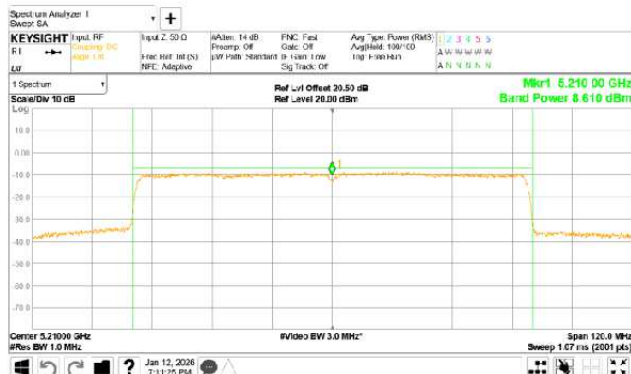
Chain0 : Conducted Power & EIRP @ 802.11ax(HE80) Mode Ch122



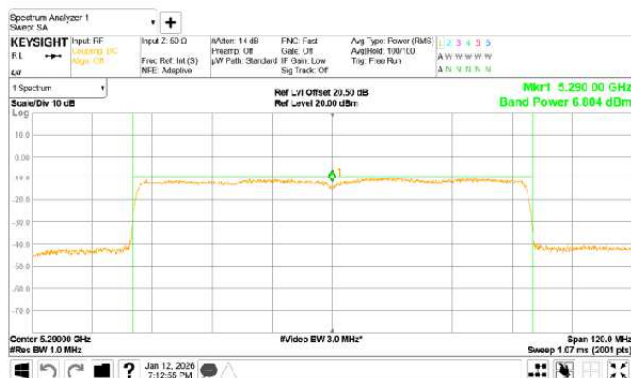
Chain0 : Conducted Power & EIRP @ 802.11ax(HE80) Mode Ch155



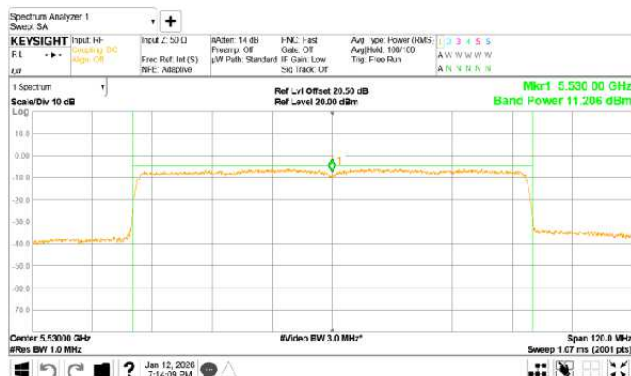
Chain1 : Conducted Power & EIRP @ 802.11ax(HE80) Mode Ch42



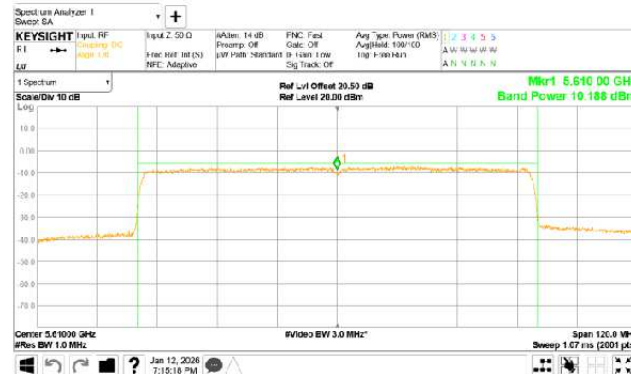
Chain1 : Conducted Power & EIRP @ 802.11ax(HE80) Mode Ch58



Chain1 : Conducted Power & EIRP @ 802.11ax(HE80) Mode Ch106



Chain1 : Conducted Power & EIRP @ 802.11ax(HE80) Mode Ch122



Chain1 : Conducted Power & EIRP @ 802.11ax(HE80) Mode Ch155



3. Power Spectrum Density

3.1 Limit for power spectrum density

Operating Frequency (MHz)	Power density limit
5150~5725	< 11 dBm/1MHz
5725~5850	< 30 dBm/500kHz

3.2 Measuring instrument setting

Spectrum analyzer settings (5150~5725MHz)	
Spectrum Analyzer function	Setting
Detector	RMS
RBW	=1MHz
VBW	≥ 3 MHz
Sweep	Auto couple
Trace	Average
Span	Encompass the 26 dB EBW
Attenuation	Auto
Sweep point	≥ 2 Span / RBW

Spectrum analyzer settings (5725~5850MHz)	
Spectrum Analyzer function	Setting
Detector	RMS
RBW	=100kHz
VBW	≥ 300 kHz
Sweep	Auto couple
Trace	Average
Span	Encompass the 6 dB EBW
Attenuation	Auto
Sweep point	≥ 2 Span / RBW

3.3 Test procedure

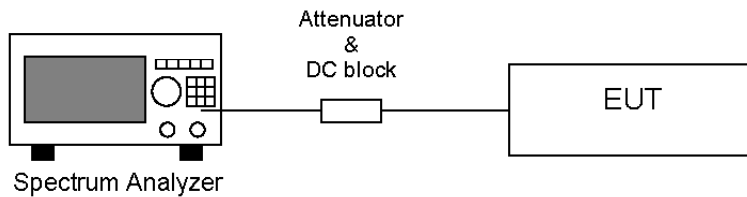
Set relevant parameter according to clause 4.3.

Trace average at least 100 traces in power averaging mode.

Compute power by integrating the spectrum across the 26 dB or 6dB EBW of the signal using the instrument's band power measurement function with band limits set equal to the EBW band edges.

If measurement bandwidth of Maximum PSD is specified in 500 kHz, add $10\log(500\text{kHz}/\text{RBW})$ to the measured result, whereas RBW (< 500 KHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement. The RBW is 100 kHz. So, we will add 6.989 to the results.

3.4 Test diagram



3.5 Test results

Test model:	68301
Temperature (°C):	21
Relative Humidity (%):	71
Test date:	2026/01/15

Mode	Channel	Frequency (MHz)	PSD (dBm)		Total PSD		RBW Correction	Duty Factor	Result (dBm)	Limit (dBm)	Margin (dB)
			Chain 0	Chain 1	mW	dBm					
802.11a	36	5180	1.70	0.27	2.54	4.05		0.05	4.10	11	-6.90
	44	5220	1.72	-0.07	2.47	3.92		0.05	3.97	11	-7.03
	48	5240	1.50	-0.49	2.31	3.63		0.05	3.67	11	-7.33
	52	5260	0.73	-0.58	2.06	3.13		0.05	3.18	11	-7.82
	60	5300	0.44	-0.83	1.93	2.86		0.05	2.91	11	-8.09
	64	5320	-0.04	-0.72	1.84	2.64		0.05	2.69	11	-8.31
	100	5500	3.85	3.43	4.63	6.66		0.05	6.70	11	-4.30
	120	5600	3.62	2.90	4.25	6.29		0.05	6.33	11	-4.67
	140	5700	3.81	1.71	3.89	5.90		0.05	5.94	11	-5.06
	149	5745	-5.48	-6.62	0.50	-3.00	6.99	0.05	4.03	30	-25.97
	157	5785	-5.64	-6.21	0.51	-2.91	6.99	0.05	4.13	30	-25.87
802.11ac (VHT20)	165	5825	-5.57	-6.07	0.52	-2.80	6.99	0.05	4.24	30	-25.76
	36	5180	2.25	0.71	2.86	4.56		0.05	4.60	11	-6.40
	44	5220	1.41	-0.33	2.31	3.63		0.05	3.68	11	-7.32
	48	5240	1.14	-0.53	2.18	3.39		0.05	3.44	11	-7.56
	52	5260	0.43	-1.33	1.84	2.65		0.05	2.70	11	-8.30
	60	5300	0.65	-1.21	1.92	2.83		0.05	2.87	11	-8.13
	64	5320	0.44	-1.32	1.84	2.66		0.05	2.70	11	-8.30
	100	5500	3.48	3.46	4.45	6.48		0.05	6.52	11	-4.48
	120	5600	3.64	2.22	3.98	6.00		0.05	6.04	11	-4.96
	140	5700	2.96	1.62	3.43	5.35		0.05	5.40	11	-5.60
	149	5745	-5.90	-7.22	0.45	-3.50	6.99	0.05	3.53	30	-26.47
	157	5785	-6.22	-7.11	0.43	-3.63	6.99	0.05	3.40	30	-26.60
	165	5825	-6.26	-6.30	0.47	-3.27	6.99	0.05	3.76	30	-26.24

Note : RBW Correction in 5725~5850MHz : $10\log(500\text{kHz}/100\text{kHz})$

Result=Total Power+Duty Factor

Mode	Channel	Frequency (MHz)	PSD (dBm)		Total PSD		RBW Correction	Duty Factor	Result (dBm)	Limit (dBm)	Margin (dB)
			Chain 0	Chain 1	mW	dBm					
802.11ac (VHT40)	38	5190	-0.65	-2.88	1.38	1.39		0.06	1.44	11	-9.56
	46	5230	-1.35	-3.40	1.19	0.75		0.06	0.81	11	-10.19
	54	5270	-2.64	-4.56	0.90	-0.48		0.06	-0.42	11	-11.42
	62	5310	-3.14	-4.91	0.81	-0.93		0.06	-0.87	11	-11.87
	102	5510	0.21	-0.77	1.89	2.76		0.06	2.82	11	-8.18
	118	5590	0.00	-1.77	1.66	2.21		0.06	2.27	11	-8.73
	134	5670	-0.79	-2.49	1.40	1.45		0.06	1.51	11	-9.49
	151	5755	-9.94	-11.39	0.17	-7.60	6.99	0.06	-0.55	30	-30.55
	159	5795	-9.76	-11.23	0.18	-7.42	6.99	0.06	-0.37	30	-30.37
802.11ac (VHT80)	42	5210	-5.19	-6.61	0.52	-2.83		0.04	-2.79	11	-13.79
	58	5290	-6.92	-8.41	0.35	-4.59		0.04	-4.55	11	-15.55
	106	5530	-3.99	-3.92	0.80	-0.94		0.04	-0.90	11	-11.90
	122	5610	-4.01	-5.09	0.71	-1.51		0.04	-1.46	11	-12.46
	155	5775	-13.29	-14.57	0.08	-10.87	6.99	0.04	-3.84	30	-33.84
802.11ax (HE20)	36	5180	2.34	0.48	2.83	4.52		0.41	4.93	11	-6.07
	44	5220	1.59	-0.26	2.38	3.77		0.41	4.19	11	-6.81
	48	5240	1.19	-0.48	2.21	3.45		0.41	3.86	11	-7.14
	52	5260	0.32	-1.38	1.80	2.56		0.41	2.98	11	-8.02
	60	5300	-0.02	-1.55	1.70	2.29		0.41	2.70	11	-8.30
	64	5320	0.37	-1.37	1.82	2.60		0.41	3.01	11	-7.99
	100	5500	3.81	3.71	4.75	6.77		0.41	7.18	11	-3.82
	120	5600	3.60	1.70	3.77	5.76		0.41	6.17	11	-4.83
	140	5700	3.12	1.22	3.38	5.29		0.41	5.70	11	-5.30
	149	5745	-7.46	-8.40	0.32	-4.89	6.99	0.41	2.51	30	-27.49
	157	5785	-7.07	-7.39	0.38	-4.22	6.99	0.41	3.18	30	-26.82
	165	5825	-6.98	-7.25	0.39	-4.11	6.99	0.41	3.30	30	-26.70

Note : RBW Correction in 5725~5850MHz : $10\log(500\text{kHz}/100\text{kHz})$

Result=Total Power+Duty Factor

Mode	Channel	Frequency (MHz)	PSD (dBm)		Total PSD		RBW Correction	Duty Factor	Result (dBm)	Limit (dBm)	Margin (dB)
			Chain 0	Chain 1	mW	dBm					
802.11ax (HE40)	38	5190	-1.21	-3.73	1.18	0.72		0.73	1.45	11	-9.55
	46	5230	-2.20	-3.80	1.02	0.08		0.73	0.81	11	-10.19
	54	5270	-3.44	-5.33	0.75	-1.27		0.73	-0.55	11	-11.55
	62	5310	-3.79	-5.72	0.69	-1.64		0.73	-0.91	11	-11.91
	102	5510	-0.67	-1.61	1.55	1.90		0.73	2.62	11	-8.38
	118	5590	-0.68	-2.53	1.41	1.50		0.73	2.23	11	-8.77
	134	5670	-1.76	-3.45	1.12	0.48		0.73	1.21	11	-9.79
	151	5755	-10.41	-12.55	0.15	-8.34	6.99	0.73	-0.62	30	-30.62
	159	5795	-10.40	-11.46	0.16	-7.89	6.99	0.73	-0.17	30	-30.17
802.11ax (HE80)	42	5210	-6.24	-7.58	0.41	-3.85		1.25	-2.60	11	-13.60
	58	5290	-7.60	-9.61	0.28	-5.48		1.25	-4.23	11	-15.23
	106	5530	-4.44	-4.82	0.69	-1.62		1.25	-0.37	11	-11.37
	122	5610	-4.71	-5.84	0.60	-2.23		1.25	-0.98	11	-11.98
	155	5775	-13.84	-14.57	0.08	-11.18	6.99	1.25	-2.94	30	-32.94

Note : RBW Correction in 5725~5850MHz : $10\log(500\text{kHz}/100\text{kHz})$

Result=Total Power+Duty Factor

Chain0 : Power Spectral Density @ 802.11a Mode Ch36



Chain0 : Power Spectral Density @ 802.11a Mode Ch44



Chain0 : Power Spectral Density @ 802.11a Mode Ch48



Chain0 : Power Spectral Density @ 802.11a Mode Ch52



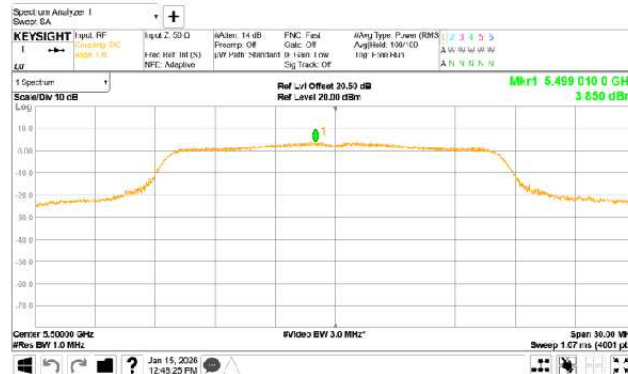
Chain0 : Power Spectral Density @ 802.11a Mode Ch60



Chain0 : Power Spectral Density @ 802.11a Mode Ch64



Chain0 : Power Spectral Density @ 802.11a Mode Ch100



Chain0 : Power Spectral Density @ 802.11a Mode Ch120



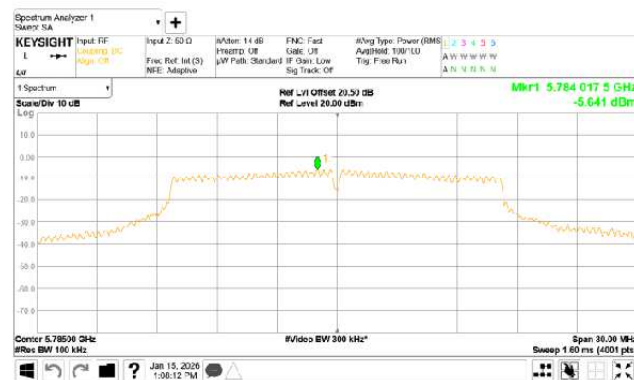
Chain0 : Power Spectral Density @ 802.11a Mode Ch140



Chain0 : Power Spectral Density @ 802.11a Mode Ch149



Chain0 : Power Spectral Density @ 802.11a Mode Ch157



Chain0 : Power Spectral Density @ 802.11a Mode Ch165



Chain1 : Power Spectral Density @ 802.11a Mode Ch36



Chain1 : Power Spectral Density @ 802.11a Mode Ch44



Chain1 : Power Spectral Density @ 802.11a Mode Ch48



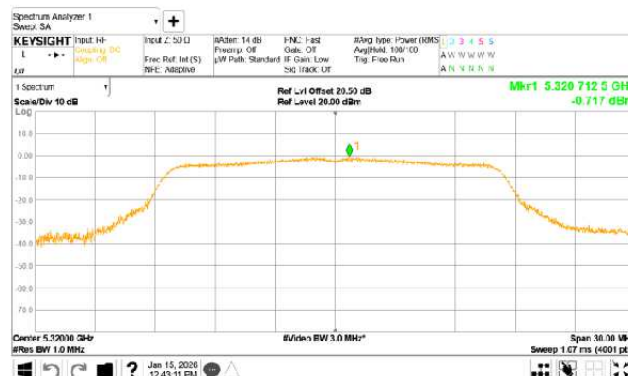
Chain1 : Power Spectral Density @ 802.11a Mode Ch52



Chain1 : Power Spectral Density @ 802.11a Mode Ch60



Chain1 : Power Spectral Density @ 802.11a Mode Ch64



Chain1 : Power Spectral Density @ 802.11a Mode Ch100



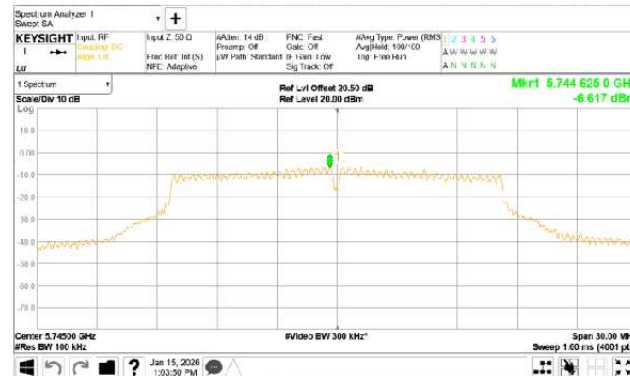
Chain1 : Power Spectral Density @ 802.11a Mode Ch120



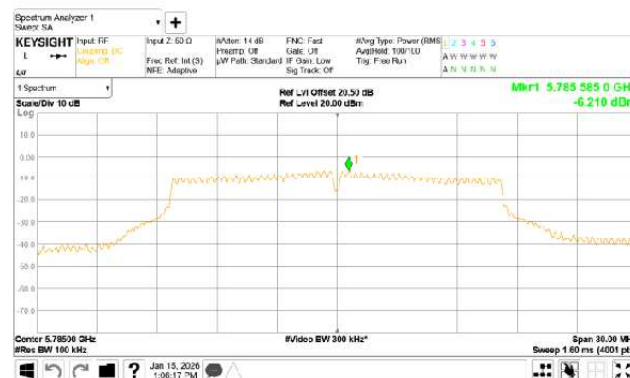
Chain1 : Power Spectral Density @ 802.11a Mode Ch140



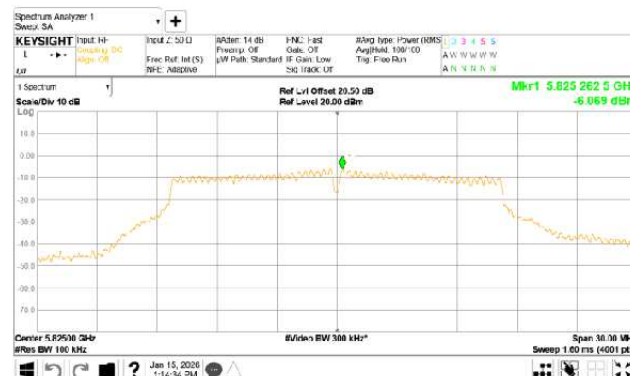
Chain1 : Power Spectral Density @ 802.11a Mode Ch149



Chain1 : Power Spectral Density @ 802.11a Mode Ch157



Chain1 : Power Spectral Density @ 802.11a Mode Ch165



Chain0 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch36



Chain0 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch44



Chain0 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch48



Chain0 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch52



Chain0 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch60



Chain0 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch64



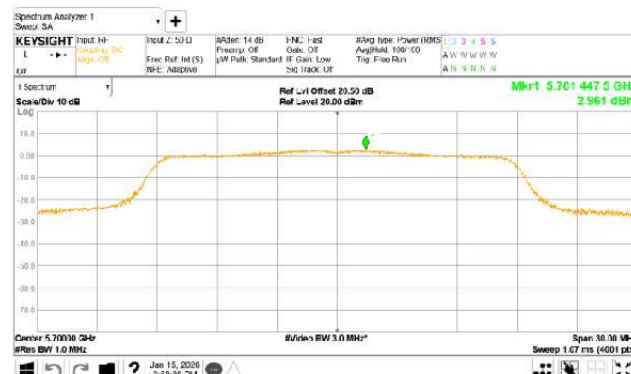
Chain0 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch100



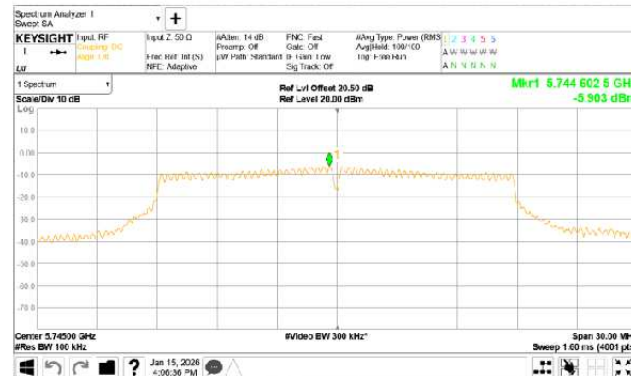
Chain0 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch120



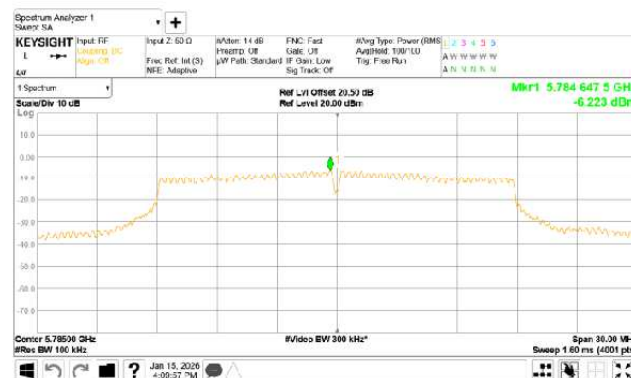
Chain0 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch140



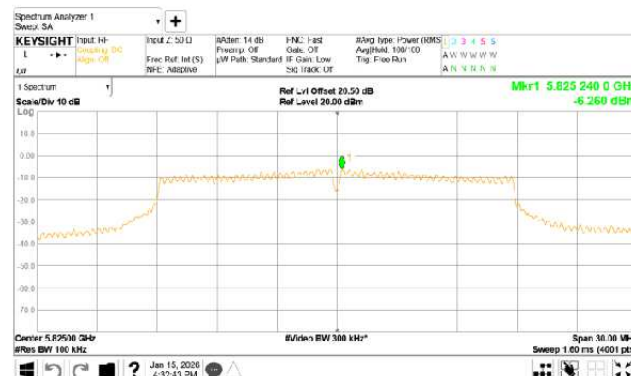
Chain0 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch149



Chain0 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch157



Chain0 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch165



Chain1 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch36



Chain1 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch44



Chain1 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch48



Chain1 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch52



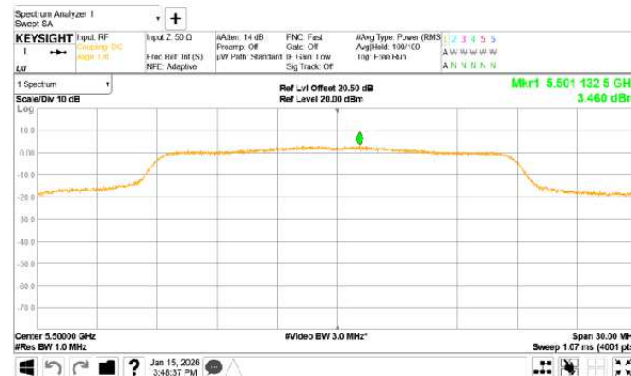
Chain1 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch60



Chain1 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch64



Chain1 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch100



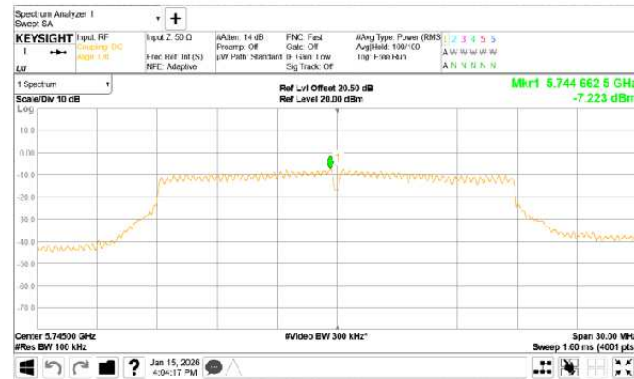
Chain1 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch120



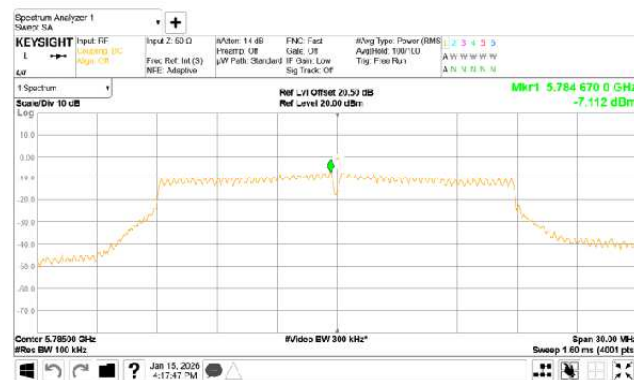
Chain1 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch140



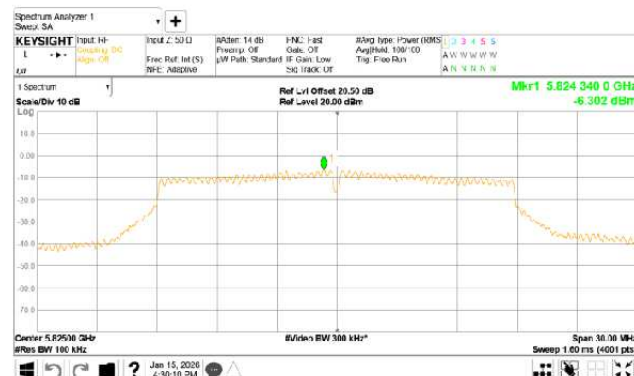
Chain1 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch149



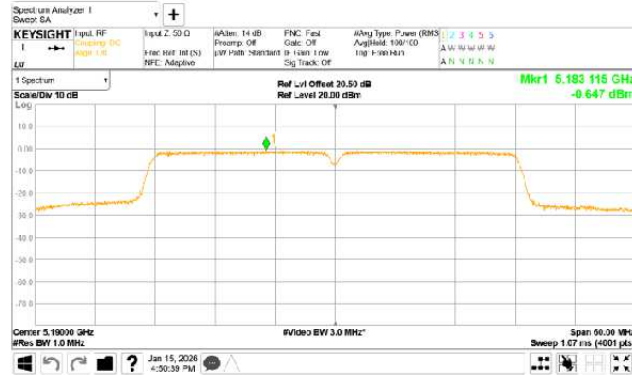
Chain1 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch157



Chain1 : Power Spectral Density @ 802.11ac(VHT20) Mode Ch165



Chain0 : Power Spectral Density @ 802.11ac(VHT40) Mode Ch38



Chain0 : Power Spectral Density @ 802.11ac(VHT40) Mode Ch46



Chain0 : Power Spectral Density @ 802.11ac(VHT40) Mode Ch54



Chain0 : Power Spectral Density @ 802.11ac(VHT40) Mode Ch62



Chain0 : Power Spectral Density @ 802.11ac(VHT40) Mode Ch102



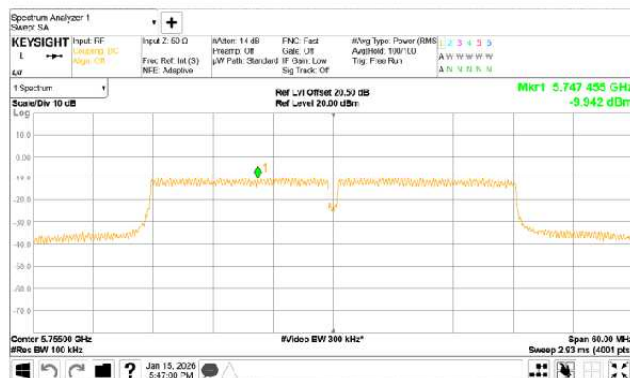
Chain0 : Power Spectral Density @ 802.11ac(VHT40) Mode Ch118



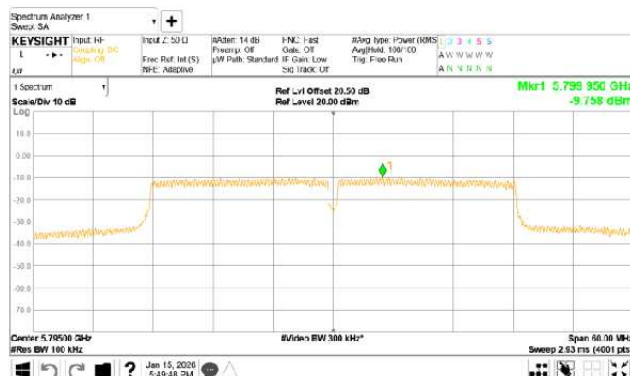
Chain0 : Power Spectral Density @ 802.11ac(VHT40) Mode Ch134



Chain0 : Power Spectral Density @ 802.11ac(VHT40) Mode Ch151



Chain0 : Power Spectral Density @ 802.11ac(VHT40) Mode Ch159



Chain1 : Power Spectral Density @ 802.11ac(VHT40) Mode Ch38



Chain1 : Power Spectral Density @ 802.11ac(VHT40) Mode Ch46



Chain1 : Power Spectral Density @ 802.11ac(VHT40) Mode Ch54



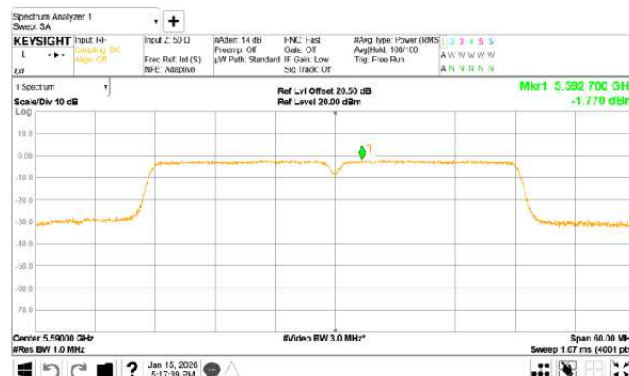
Chain1 : Power Spectral Density @ 802.11ac(VHT40) Mode Ch62



Chain1 : Power Spectral Density @ 802.11ac(VHT40) Mode Ch102



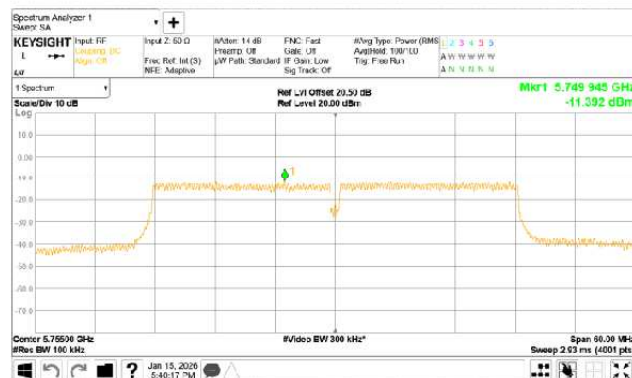
Chain1 : Power Spectral Density @ 802.11ac(VHT40) Mode Ch118



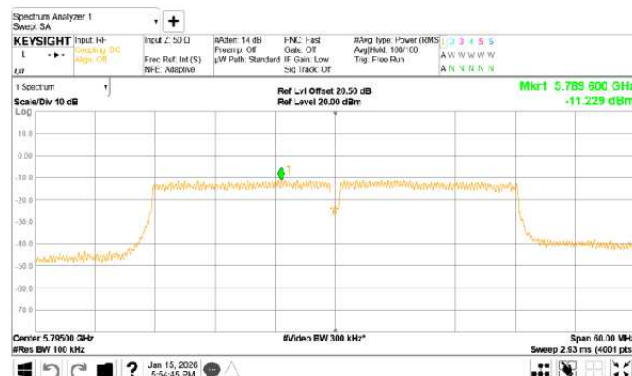
Chain1 : Power Spectral Density @ 802.11ac(VHT40) Mode Ch134



Chain1 : Power Spectral Density @ 802.11ac(VHT40) Mode Ch151



Chain1 : Power Spectral Density @ 802.11ac(VHT40) Mode Ch159



Chain0 : Power Spectral Density @ 802.11ac(VHT80) Mode Ch42



Chain0 : Power Spectral Density @ 802.11ac(VHT80) Mode Ch58



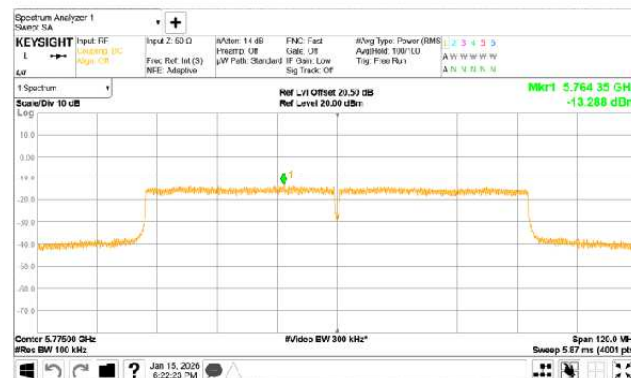
Chain0 : Power Spectral Density @ 802.11ac(VHT80) Mode Ch106



Chain0 : Power Spectral Density @ 802.11ac(VHT80) Mode Ch122



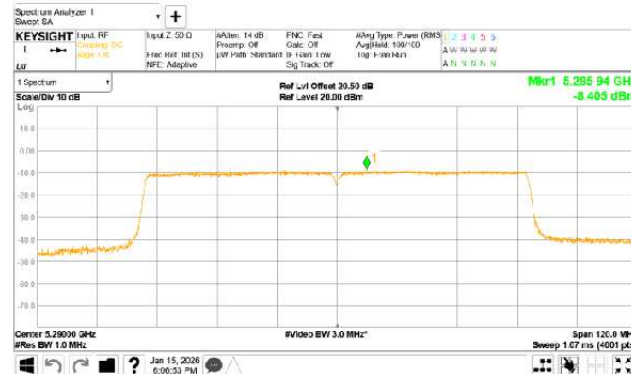
Chain0 : Power Spectral Density @ 802.11ac(VHT80) Mode Ch155



Chain1 : Power Spectral Density @ 802.11ac(VHT80) Mode Ch42



Chain1 : Power Spectral Density @ 802.11ac(VHT80) Mode Ch58



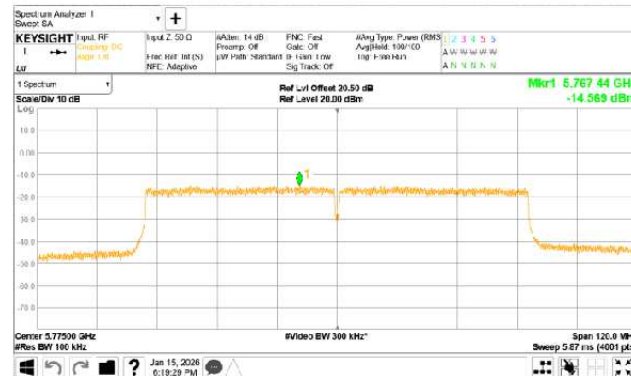
Chain1 : Power Spectral Density @ 802.11ac(VHT80) Mode Ch106



Chain1 : Power Spectral Density @ 802.11ac(VHT80) Mode Ch122



Chain1 : Power Spectral Density @ 802.11ac(VHT80) Mode Ch155



Chain0 : Power Spectral Density @ 802.11ax(HE20) Mode Ch36



Chain0 : Power Spectral Density @ 802.11ax(HE20) Mode Ch44



Chain0 : Power Spectral Density @ 802.11ax(HE20) Mode Ch48



Chain0 : Power Spectral Density @ 802.11ax(HE20) Mode Ch52



Chain0 : Power Spectral Density @ 802.11ax(HE20) Mode Ch60



Chain0 : Power Spectral Density @ 802.11ax(HE20) Mode Ch64



Chain0 : Power Spectral Density @ 802.11ax(HE20) Mode Ch100



Chain0 : Power Spectral Density @ 802.11ax(HE20) Mode Ch120

