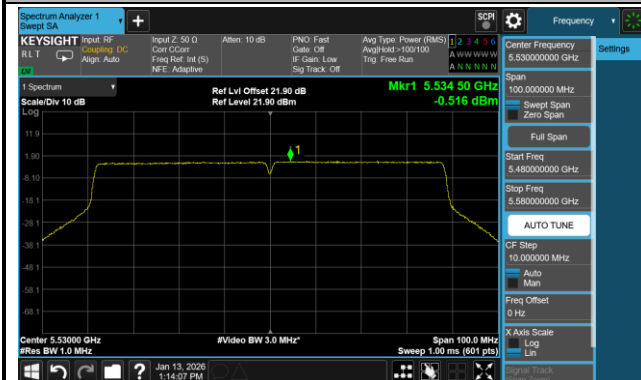


802.11ac-VHT80 Power Spectral Density - Ant 6

Channel 106 (5530 MHz)



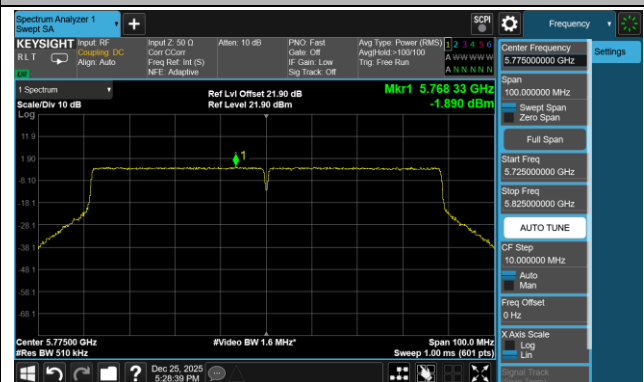
Channel 122 (5610 MHz)



Channel 138 (5690 MHz)

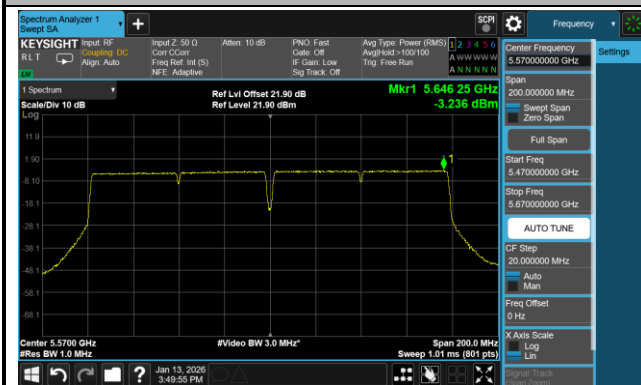


Channel 155 (5775 MHz)



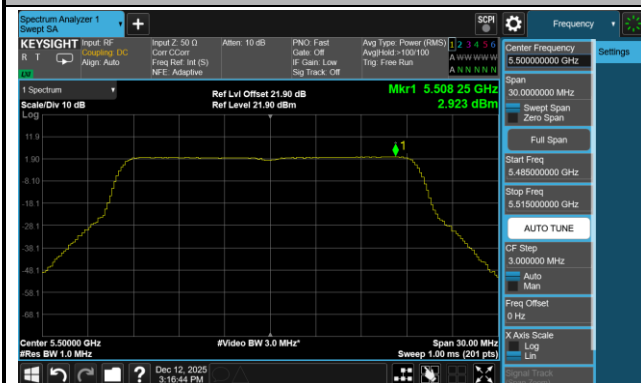
802.11ac-VHT160 Power Spectral Density - Ant 6

Channel 114 (5570 MHz)



802.11be-EHT20 Power Spectral Density - Ant 6

Channel 100 (5500 MHz)



Channel 116 (5580 MHz)



Channel 140 (5700 MHz)



Channel 144(5720 MHz)



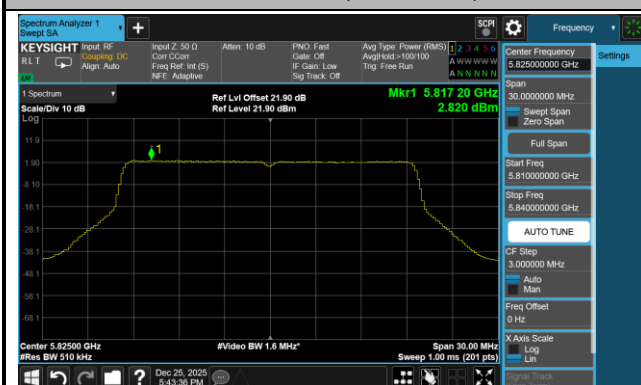
Channel 149 (5745 MHz)



Channel 157 (5785 MHz)

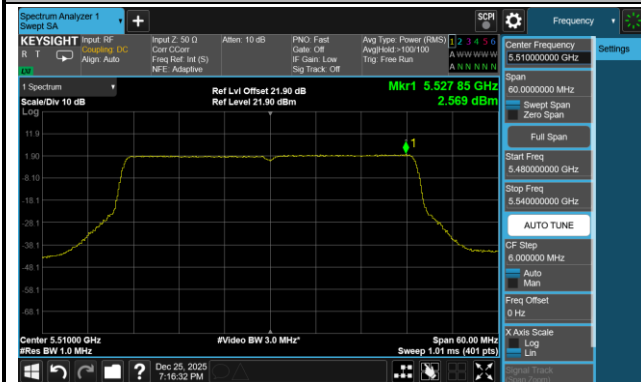


Channel 165 (5825 MHz)

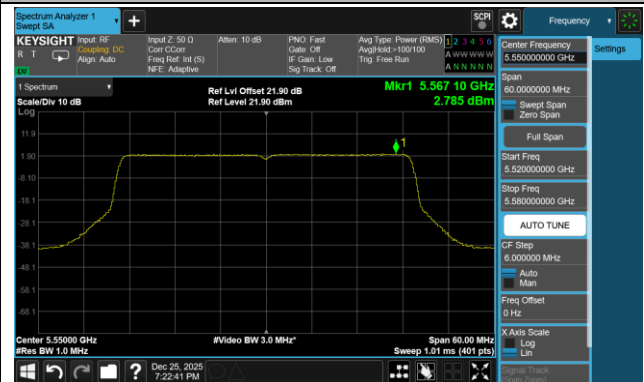


802.11be-EHT40 Power Spectral Density - Ant 6

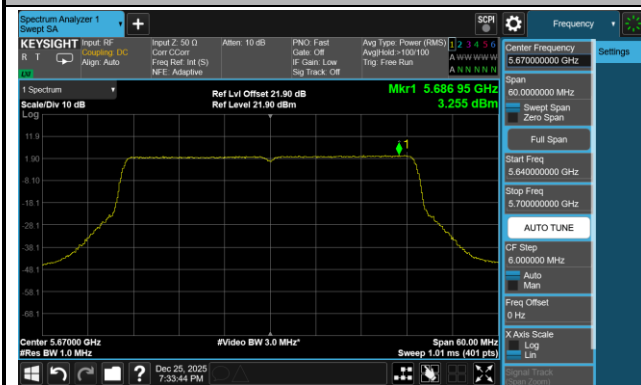
Channel 102 (5510 MHz)



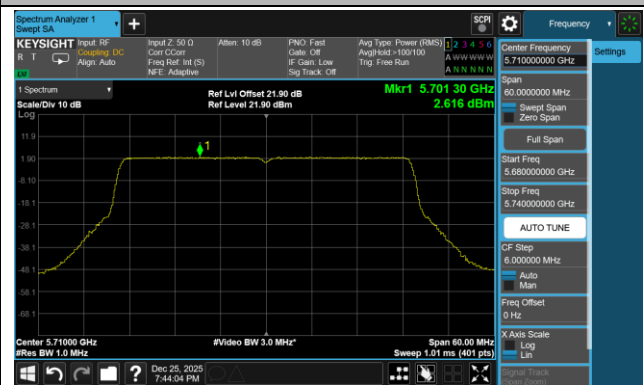
Channel 110 (5550 MHz)



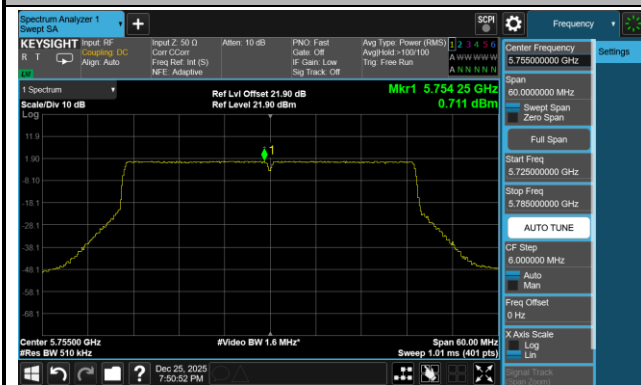
Channel 134 (5670 MHz)



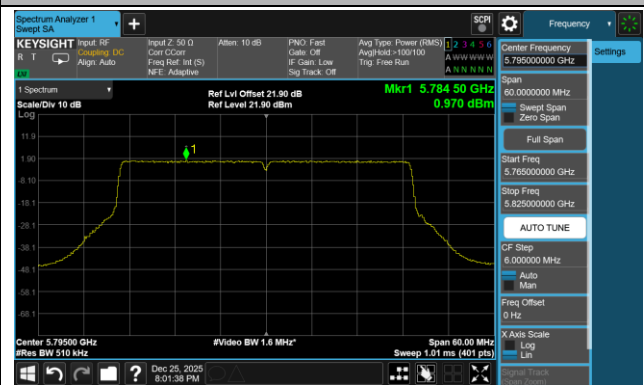
Channel 142 (5710 MHz)



Channel 151 (5755 MHz)

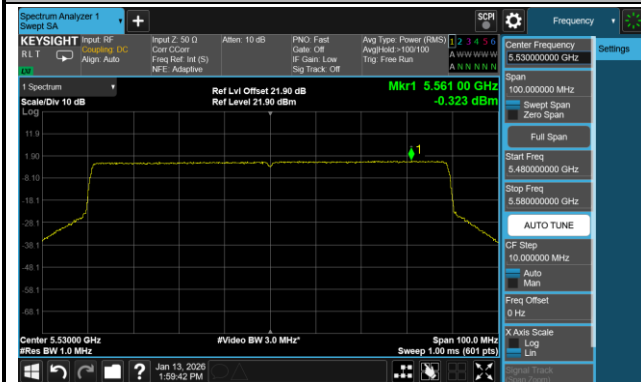


Channel 159 (5795 MHz)

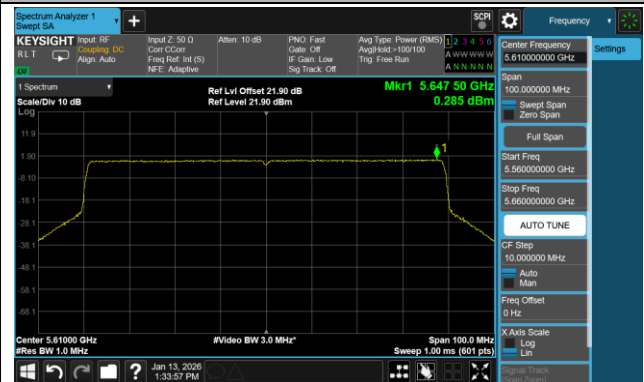


802.11be-EHT80 Power Spectral Density - Ant 6

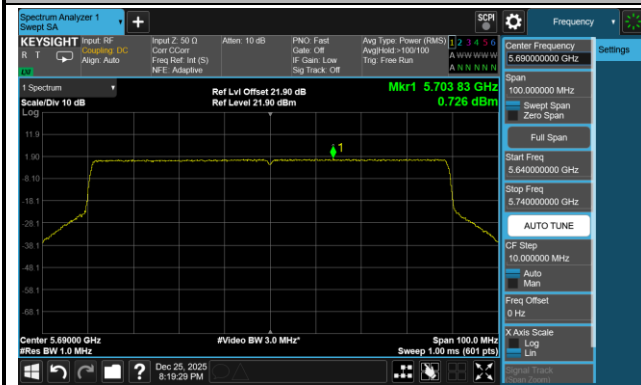
Channel 106 (5530 MHz)



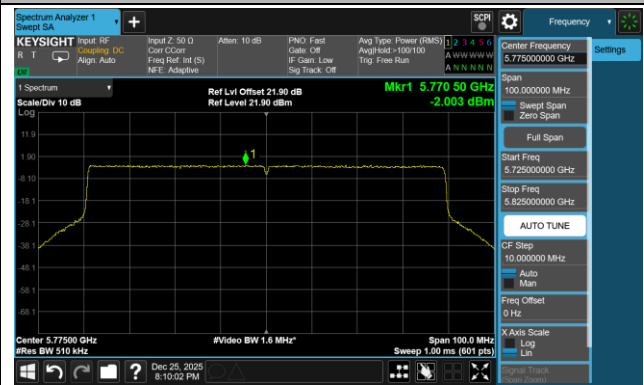
Channel 122 (5610 MHz)

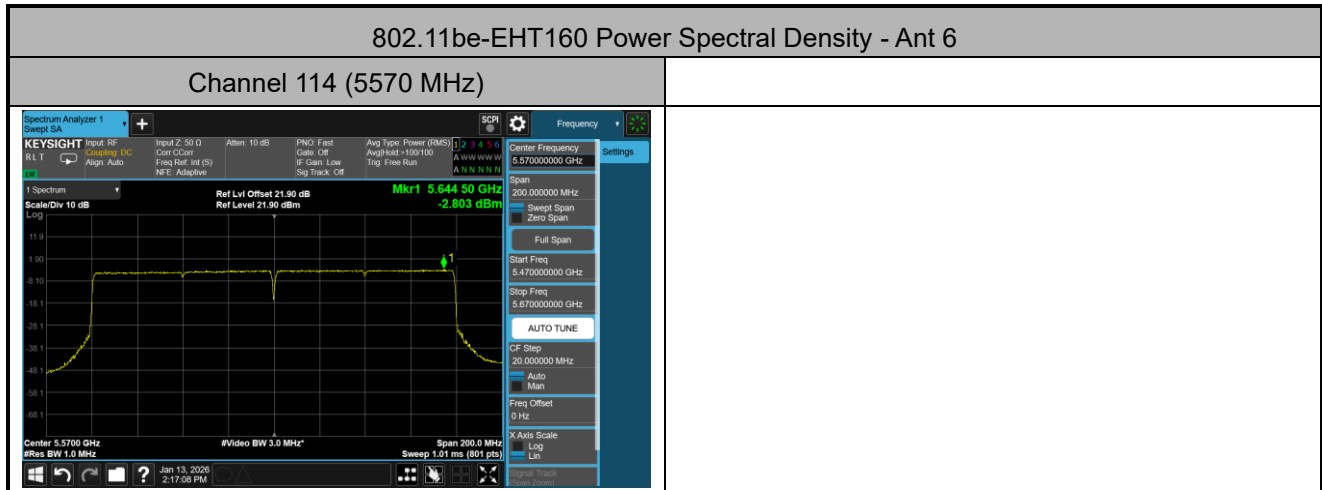


Channel 138 (5690 MHz)



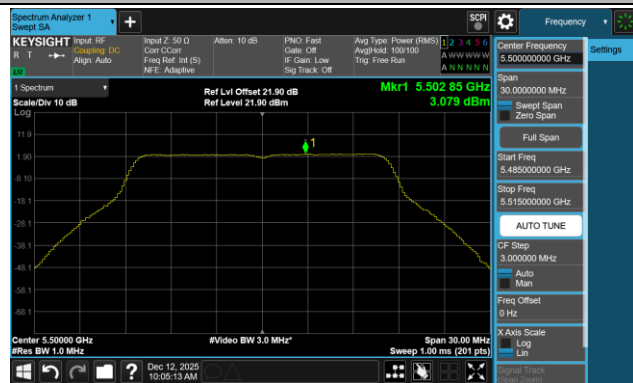
Channel 155 (5775 MHz)



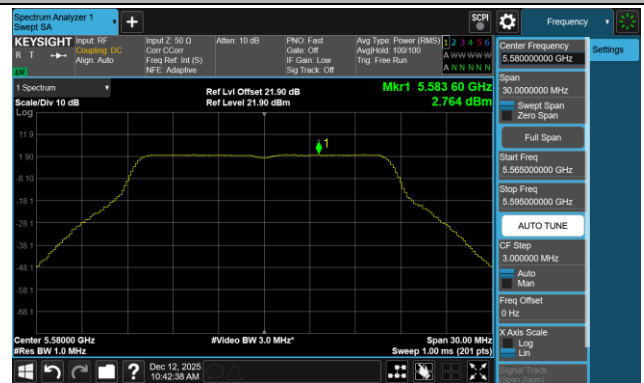


802.11a Power Spectral Density - Ant 7

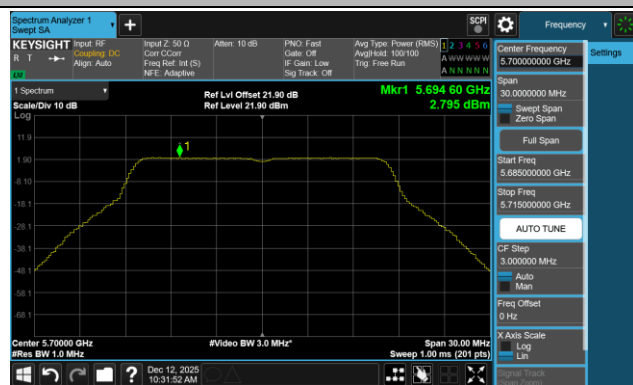
Channel 100 (5500 MHz)



Channel 116 (5580 MHz)



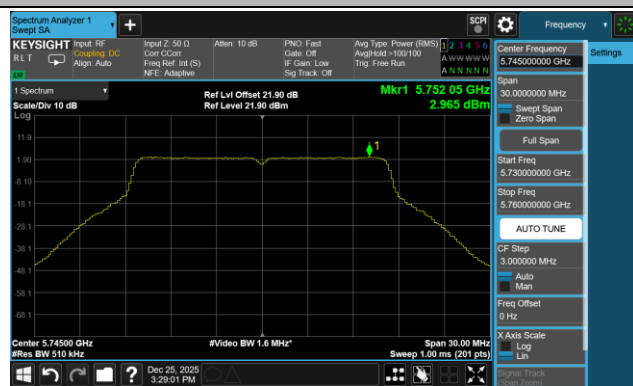
Channel 140 (5700 MHz)



Channel 144(5720 MHz)



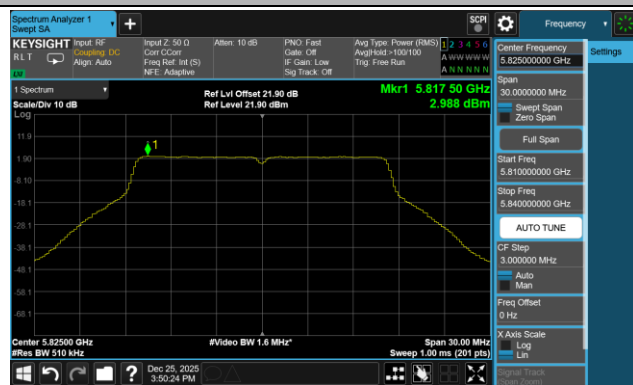
Channel 149 (5745 MHz)



Channel 157 (5785 MHz)



Channel 165 (5825 MHz)



802.11ac-VHT20 Power Spectral Density - Ant 7

Channel 100 (5500 MHz)



Channel 116 (5580 MHz)



Channel 140 (5700 MHz)



Channel 144(5720 MHz)



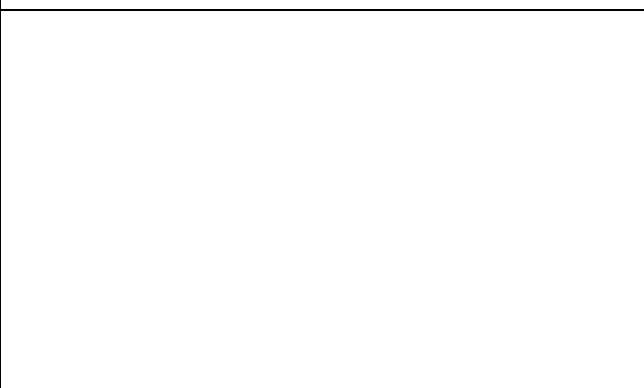
Channel 149 (5745 MHz)



Channel 157 (5785 MHz)

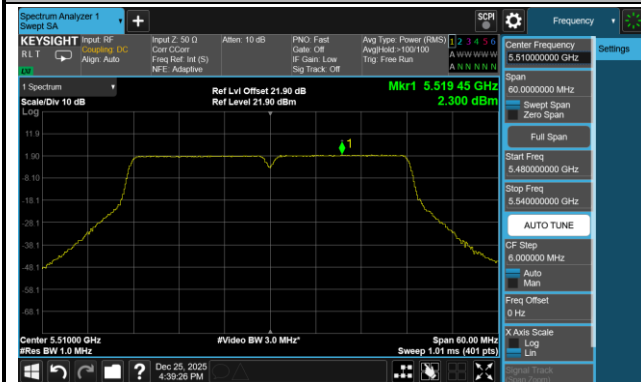


Channel 165 (5825 MHz)



802.11ac-VHT40 Power Spectral Density - Ant 7

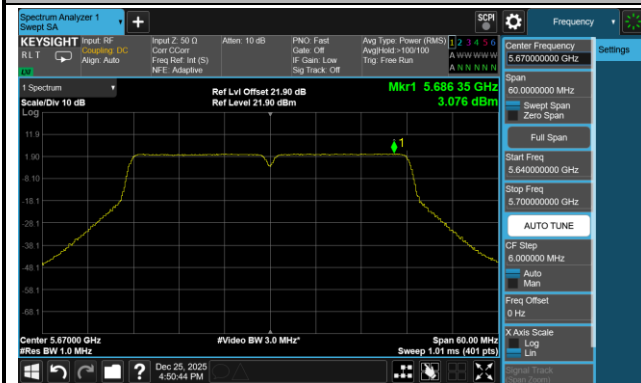
Channel 102 (5510 MHz)



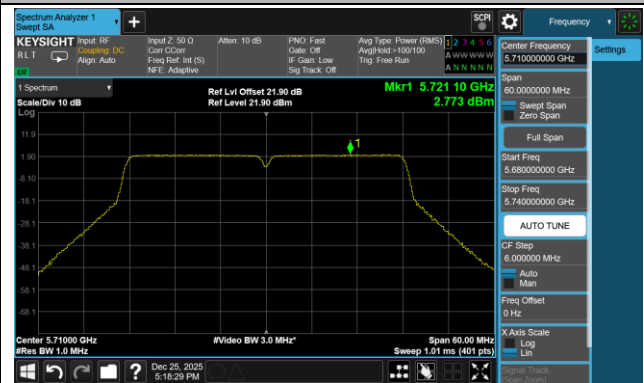
Channel 110 (5550 MHz)



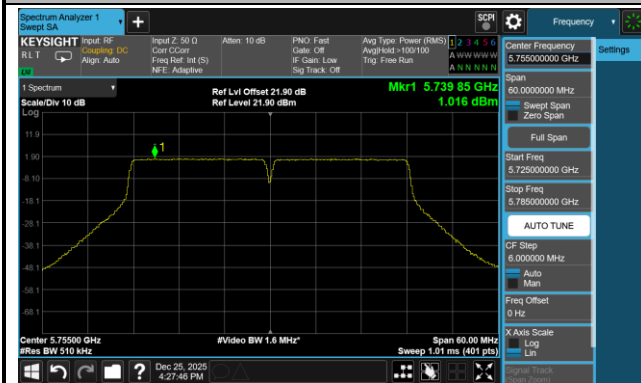
Channel 134 (5670 MHz)



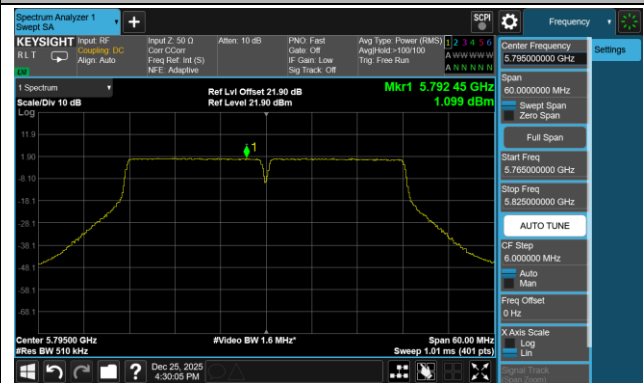
Channel 142(5710 MHz)



Channel 151 (5755 MHz)

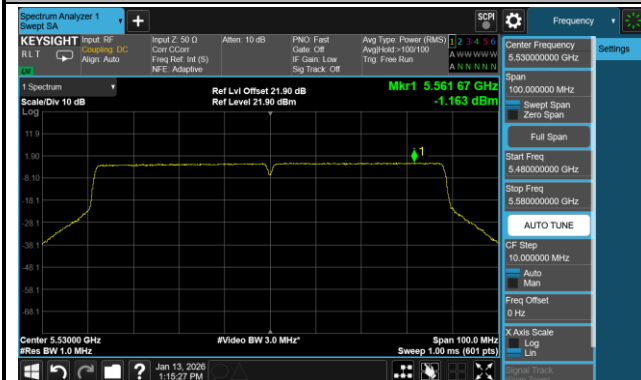


Channel 159 (5795 MHz)

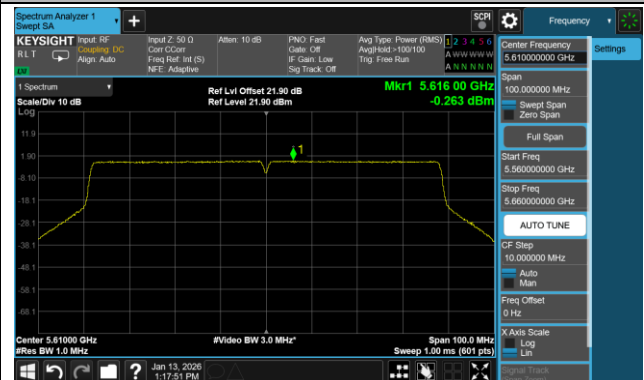


802.11ac-VHT80 Power Spectral Density - Ant 7

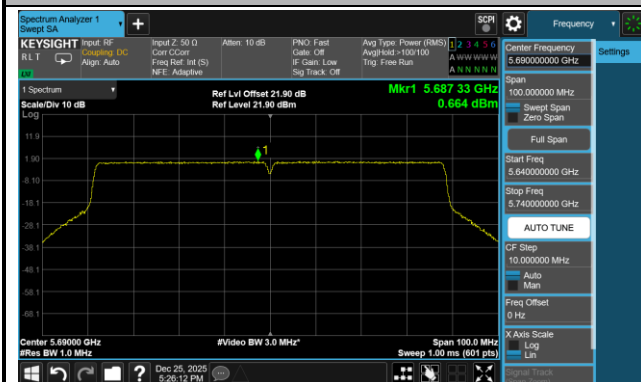
Channel 106 (5530 MHz)



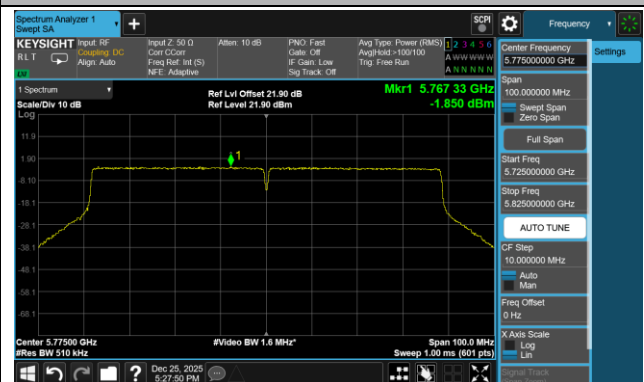
Channel 122 (5610 MHz)



Channel 138 (5690 MHz)

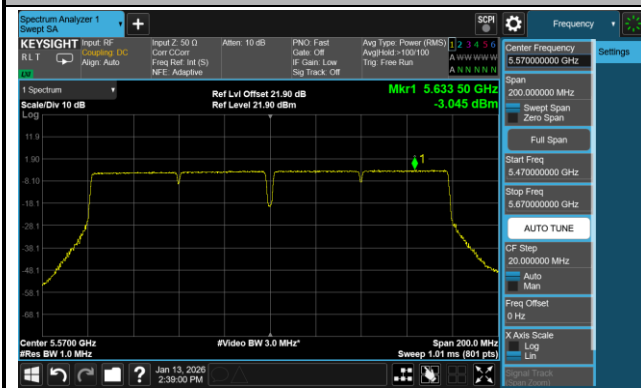


Channel 155 (5775 MHz)



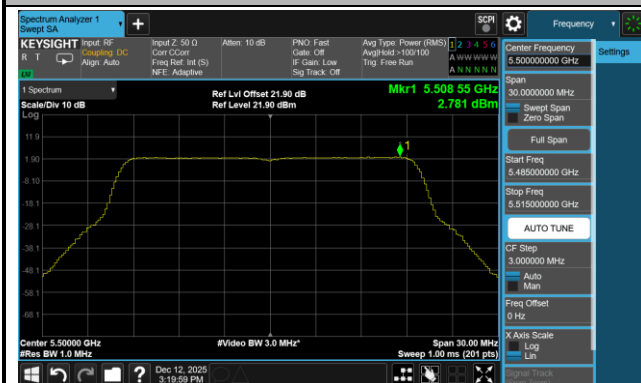
802.11ac-VHT160 Power Spectral Density - Ant 7

Channel 114 (5570 MHz)



802.11be-EHT20 Power Spectral Density - Ant 7

Channel 100 (5500 MHz)



Channel 116 (5580 MHz)



Channel 140 (5700 MHz)



Channel 144(5720 MHz)



Channel 149 (5745 MHz)



Channel 157 (5785 MHz)

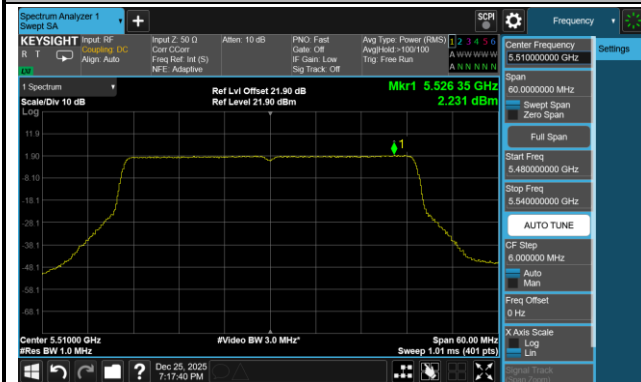


Channel 165 (5825 MHz)

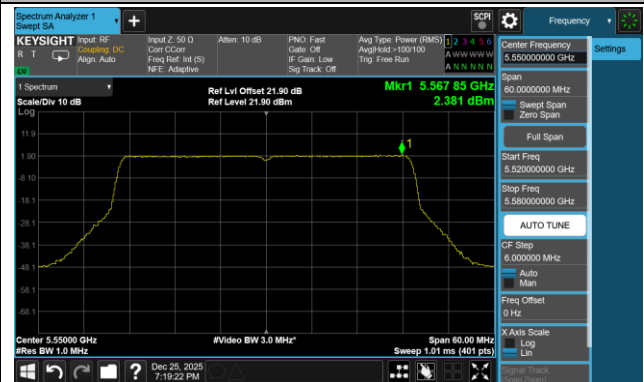


802.11be-EHT40 Power Spectral Density - Ant 7

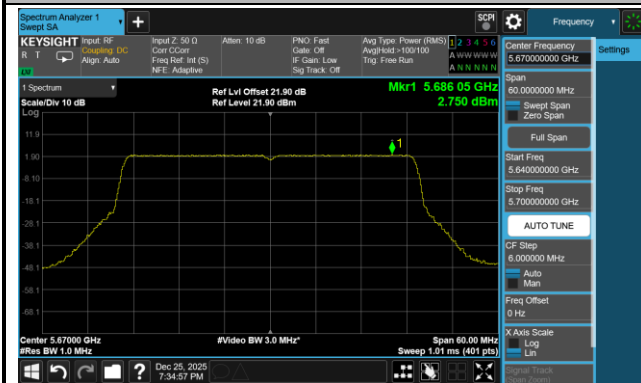
Channel 102 (5510 MHz)



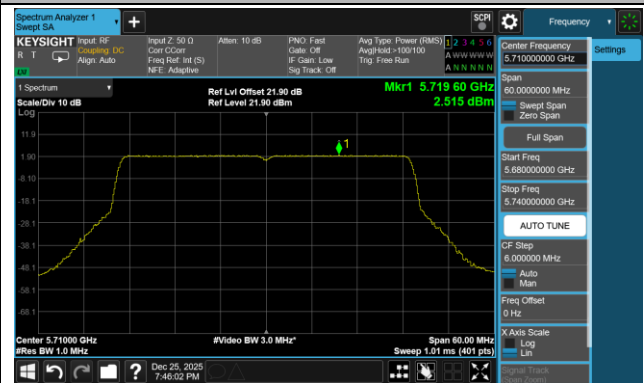
Channel 110 (5550 MHz)



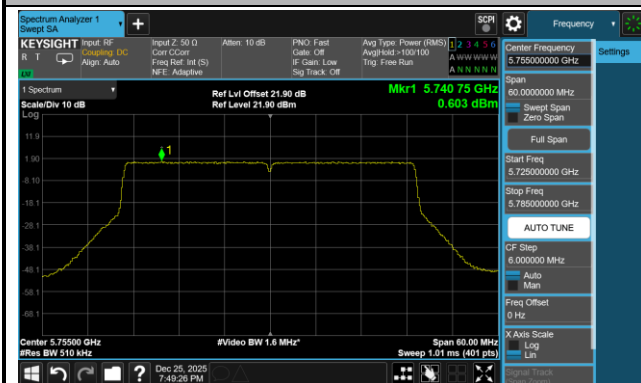
Channel 134 (5670 MHz)



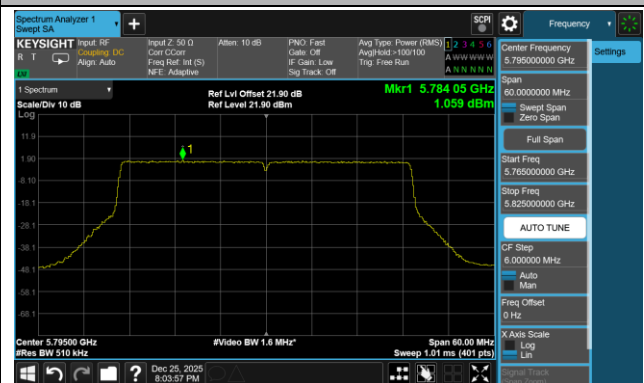
Channel 142(5710 MHz)



Channel 151 (5755 MHz)

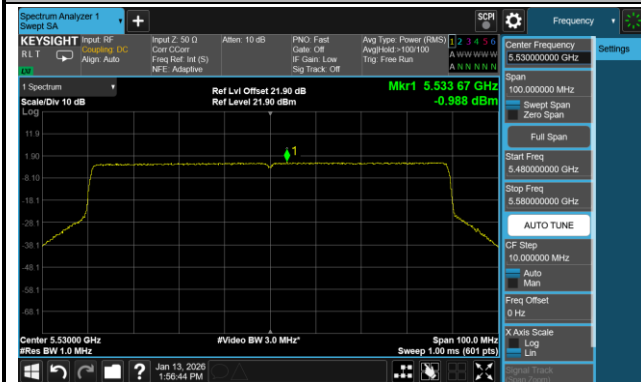


Channel 159 (5795 MHz)

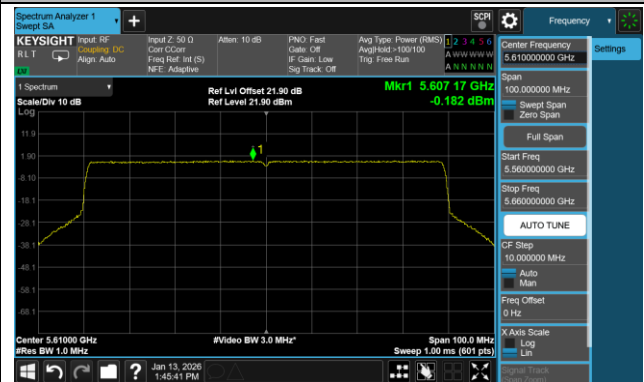


802.11be-EHT80 Power Spectral Density - Ant 7

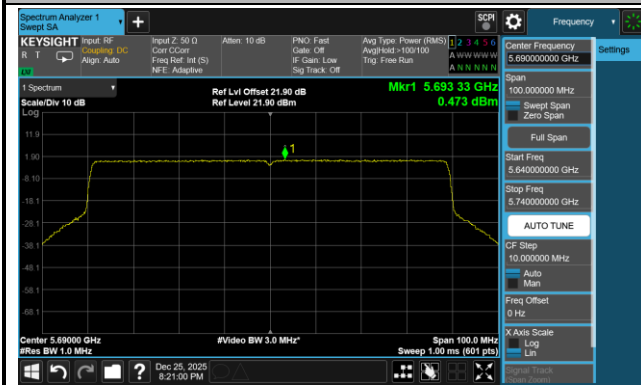
Channel 106 (5530 MHz)



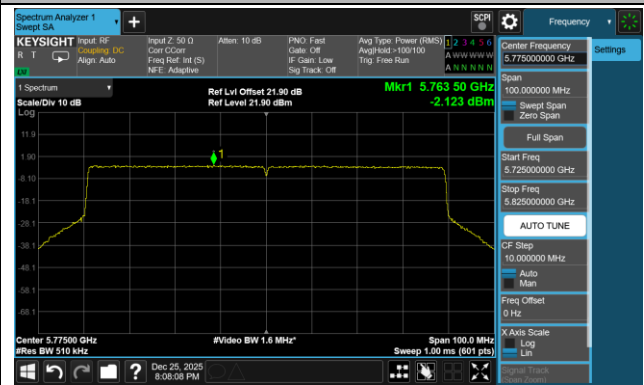
Channel 122 (5610 MHz)

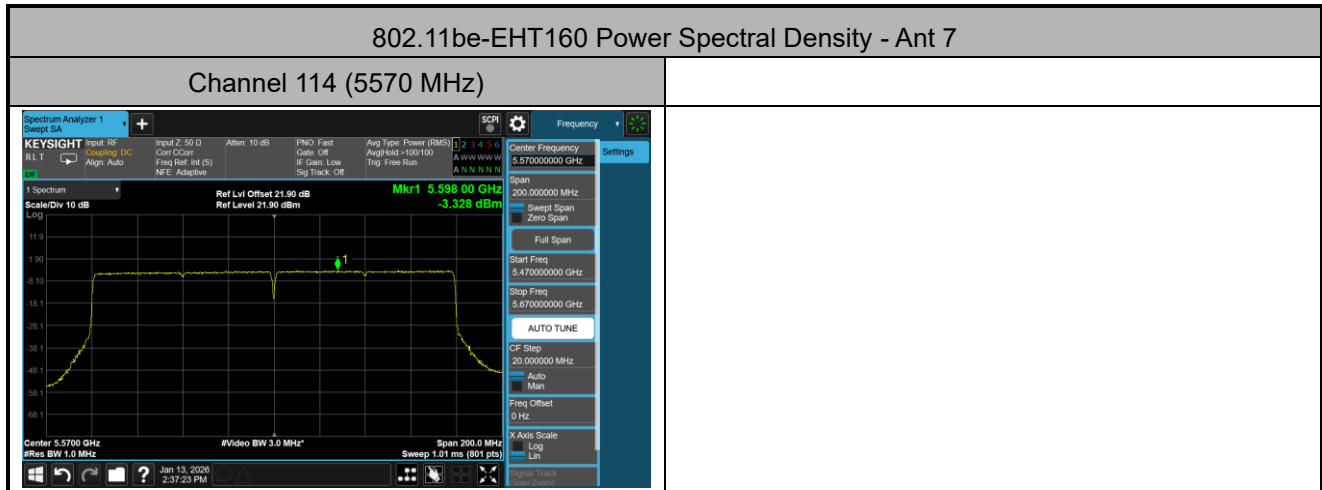


Channel 138 (5690 MHz)



Channel 155 (5775 MHz)





A.6 Frequency Stability Test Result

WLAN Config 1

Test Site	WJ-TR1	Test Engineer	Ellie Wang
Test Date	2026-01-14 ~ 2026-01-16	Test Mode	5180 MHz (Carrier Mode)
Model No.	OAW-AP1541		

Voltage (%)	Power (VAC)	Temp (°C)	Frequency Tolerance (ppm)			
			0 minutes	2 minutes	5 minutes	10 minutes
100%	120	-30	3.56	3.66	3.70	3.74
		-20	3.48	4.18	4.40	4.51
		-10	4.77	4.60	4.52	4.45
		0	4.02	3.76	3.61	3.49
		+10	-0.96	1.42	1.19	1.06
		+20	0.96	0.95	0.56	0.32
		+30	0.07	-0.37	-0.61	-0.86
		+40	-0.99	-0.99	-1.06	-1.14
		+50	-1.09	-0.99	-1.17	-1.04
115%	138	+20	0.52	0.52	0.53	0.53
85%	102	+20	0.50	0.47	0.48	0.50

Note: Frequency Tolerance (ppm) = {[Measured Frequency (Hz) - Declared Frequency (Hz)] / Declared Frequency (Hz)} × 10⁶.

WLAN Config 2 (High Band)

Test Site	WJ-TR1	Test Engineer	Ellie Wang
Test Date	2026-01-14	Test Mode	5500 MHz (Carrier Mode)
Model No.	OAW-AP1541		

Voltage (%)	Power (VAC)	Temp (°C)	Frequency Tolerance (ppm)			
			0 minutes	2 minutes	5 minutes	10 minutes
100%	120	-30	4.99	5.06	5.06	5.07
		-20	6.36	6.38	6.39	6.39
		-10	6.47	6.45	6.42	6.38
		0	5.32	5.21	5.12	5.05
		+10	3.88	3.40	3.17	3.07
		+20	1.51	1.33	1.23	1.16
		+30	-0.27	-0.31	-0.33	-0.34
		+40	-0.34	-0.44	-0.54	-0.60
		+50	-0.64	-0.64	-0.63	-0.62
115%	138	+20	0.82	0.80	0.79	0.78
85%	102	+20	0.91	0.86	0.85	0.83

Note: Frequency Tolerance (ppm) = {[Measured Frequency (Hz) - Declared Frequency (Hz)] / Declared Frequency (Hz)} × 10⁶.

A.7 Radiated Spurious Emissions Test Result

WLAN Config 1

Test Site	WJ-AC2	Test Engineer	Carl Jiang
Test Date	2026-01-17 ~ 2026-01-18	Test Mode	802.11a - Channel 36
Model No.	OAW-AP1541		
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20 dB below limit line within 1-18 GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	11368.00	42.82	5.83	48.65	74.00	-25.35	Peak	Horizontal
*	14006.02	44.79	5.42	50.21	68.20	-17.99	Peak	Horizontal
	15541.92	39.83	6.56	46.39	54.00	-7.61	Average	Horizontal
	15541.92	47.89	6.56	54.45	74.00	-19.55	Peak	Horizontal
*	16648.69	47.19	4.72	51.91	68.20	-16.29	Peak	Horizontal
*	10191.90	40.54	6.71	47.25	68.20	-20.95	Peak	Vertical
	11529.80	41.97	5.46	47.43	74.00	-26.57	Peak	Vertical
	11912.30	43.56	5.42	48.98	74.00	-25.02	Peak	Vertical
*	13950.60	44.81	5.17	49.98	68.20	-18.22	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27 dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2 dB to the EIRP limit of -27 dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WJ-AC2	Test Engineer	Carl Jiang
Test Date	2026-01-17 ~ 2026-01-18	Test Mode	802.11a - Channel 44
Model No.	OAW-AP1541		
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20 dB below limit line within 1-18 GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10239.50	40.81	6.58	47.39	68.20	-20.81	Peak	Horizontal
	12034.70	43.09	5.19	48.28	74.00	-25.72	Peak	Horizontal
*	13785.70	44.24	4.94	49.18	68.20	-19.02	Peak	Horizontal
	15660.80	39.75	6.86	46.61	54.00	-7.39	Average	Horizontal
	15660.80	50.34	6.86	57.20	74.00	-16.80	Peak	Horizontal
*	10220.80	40.85	6.38	47.23	68.20	-20.97	Peak	Vertical
	11647.10	42.56	5.36	47.92	74.00	-26.08	Peak	Vertical
	12420.60	44.94	5.04	49.98	74.00	-24.02	Peak	Vertical
*	13836.70	44.11	4.92	49.03	68.20	-19.17	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27 dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2 dB to the EIRP limit of -27 dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WJ-AC2	Test Engineer	Carl Jiang
Test Date	2026-01-17 ~ 2026-01-18	Test Mode	802.11a - Channel 48
Model No.	OAW-AP1541		
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20 dB below limit line within 1-18 GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9736.30	40.47	6.78	47.25	68.20	-20.95	Peak	Horizontal
	11436.30	42.74	5.68	48.42	74.00	-25.58	Peak	Horizontal
*	14011.80	45.21	5.36	50.57	68.20	-17.63	Peak	Horizontal
	15720.30	39.36	7.18	46.54	54.00	-7.46	Average	Horizontal
	15720.30	47.57	7.18	54.75	74.00	-19.25	Peak	Horizontal
*	9933.50	40.30	6.44	46.74	68.20	-21.46	Peak	Vertical
	11478.80	42.80	5.62	48.42	74.00	-25.58	Peak	Vertical
	11869.80	43.18	5.15	48.33	74.00	-25.67	Peak	Vertical
*	14118.90	44.19	5.40	49.59	68.20	-18.61	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27 dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2 dB to the EIRP limit of -27 dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WJ-AC2	Test Engineer	Carl Jiang
Test Date	2026-01-17 ~ 2026-01-18	Test Mode	802.11a - Channel 52
Model No.	OAW-AP1541		
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20 dB below limit line within 1-18 GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10190.20	40.65	6.69	47.34	68.20	-20.86	Peak	Horizontal
	11126.90	41.17	5.76	46.93	74.00	-27.07	Peak	Horizontal
	11868.10	43.17	5.19	48.36	74.00	-25.64	Peak	Horizontal
*	13886.00	44.75	5.02	49.77	68.20	-18.43	Peak	Horizontal
*	9989.60	39.62	6.82	46.44	68.20	-21.76	Peak	Vertical
	11024.90	41.97	5.68	47.65	74.00	-26.35	Peak	Vertical
	12179.20	43.79	4.99	48.78	74.00	-25.22	Peak	Vertical
*	13806.10	44.54	4.91	49.45	68.20	-18.75	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27 dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2 dB to the EIRP limit of -27 dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)