

Effective (Isotropic) Radiated Output Power Data

Band 255 SCS 15kHz					
Modulation	Frequency(MHz)	Ntones	Conducted Power(dBm)	Antenna Gain(dBi)	EIRP (dBm)
QPSK	1626.6	12@0	23.58	2.8	26.38
QPSK		1@0	23.81	2.8	26.61
QPSK		1@11	23.55	2.8	26.35
BPSK		1@0	23.71	2.8	26.51
BPSK		1@11	23.62	2.8	26.42
QPSK	1643.5	12@0	23.59	2.8	26.39
QPSK		1@0	23.81	2.8	26.61
QPSK		1@11	23.63	2.8	26.43
BPSK		1@0	23.72	2.8	26.52
BPSK		1@11	23.55	2.8	26.35
QPSK	1660.4	12@0	23.45	2.8	26.25
QPSK		1@0	23.82	2.8	26.62
QPSK		1@11	23.81	2.8	26.61
BPSK		1@0	23.67	2.8	26.47
BPSK		1@11	23.64	2.8	26.44

Band 255 SCS 3.75kHz					
Modulation	Frequency(MHz)	Ntones	Conducted Power(dBm)	Antenna Gain(dBi)	EIRP (dBm)
QPSK	1626.6	1@0	23.32	2.8	26.12
QPSK		1@47	23.23	2.8	26.03
BPSK		1@0	23.21	2.8	26.01
BPSK		1@47	23.12	2.8	25.92
QPSK	1643.5	1@0	23.33	2.8	26.13
QPSK		1@47	23.26	2.8	26.06
BPSK		1@0	23.27	2.8	26.07
BPSK		1@47	23.24	2.8	26.04
QPSK	1660.4	1@0	23.31	2.8	26.11
QPSK		1@47	23.28	2.8	26.08
BPSK		1@0	23.31	2.8	26.11
BPSK		1@47	23.21	2.8	26.01

99% & 26dB Bandwidth

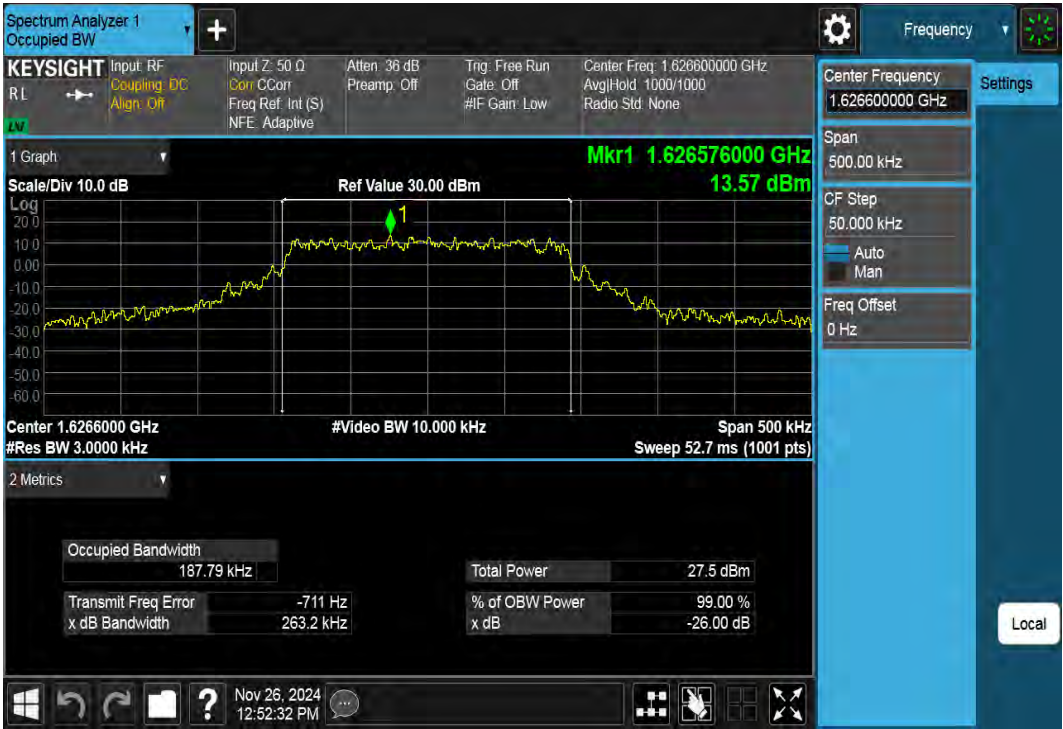
Test Result

Band 255 SCS 15kHz						
Modulation	CH	N _{tones} Allocation	99% Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit (kHz)	Verdict
QPSK	Low CH	12@0	187.79	263.2	/	Pass
QPSK		1@0	126.75	129.6	/	Pass
QPSK		1@11	126.78	114.1	/	Pass
BPSK		1@0	130.3	114.2	/	Pass
BPSK		1@11	121.44	105	/	Pass
QPSK	Middle CH	12@0	185.4	248.5	/	Pass
QPSK		1@0	123.57	113	/	Pass
QPSK		1@11	129.76	117.6	/	Pass
BPSK		1@0	132.23	118.8	/	Pass
BPSK		1@11	127.49	113.2	/	Pass
QPSK	High CH	12@0	189.08	262.8	/	Pass
QPSK		1@0	121.02	115.6	/	Pass
QPSK		1@11	133.37	115.7	/	Pass
BPSK		1@0	124.56	116.8	/	Pass
BPSK		1@11	125.1	113.5	/	Pass

Band 255 SCS 3.75kHz						
Modulation	CH	N _{tones} Allocation	99% Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit (kHz)	Verdict
QPSK	Low CH	1@0	53.803	38.09	/	Pass
QPSK		1@47	55.725	41.28	/	Pass
BPSK		1@0	57.533	41.3	/	Pass
BPSK		1@47	57.271	40.86	/	Pass
QPSK	Middle CH	1@0	53.756	37.96	/	Pass
QPSK		1@47	53.224	37.56	/	Pass
BPSK		1@0	53.354	37.32	/	Pass
BPSK		1@47	57.461	41.49	/	Pass
QPSK	High CH	1@0	54.126	37.76	/	Pass
QPSK		1@47	57.385	38.19	/	Pass
BPSK		1@0	56.528	38.08	/	Pass
BPSK		1@47	56.206	37.8	/	Pass

Test graph

Band255-15kHz-OBW-L-QPSK-12@0



Band255-15kHz-OBW-L-QPSK-1@0



Band255-15kHz-OBW-L-QPSK-1@11



Band255-15kHz-OBW-L-BPSK-1@0



Band255-15kHz-OBW-L-BPSK-1@11



Band255-15kHz-OBW-M-QPSK-12@0



Band255-15kHz-OBW-M-QPSK-1@0



Band255-15kHz-OBW-M-QPSK-1@11



Band255-15kHz-OBW-M-BPSK-1@0



Band255-15kHz-OBW-M-BPSK-1@11



Band255-15kHz-OBW-H-QPSK-12@0



Band255-15kHz-OBW-H-QPSK-1@0



Band255-15kHz-OBW-H-QPSK-1@11



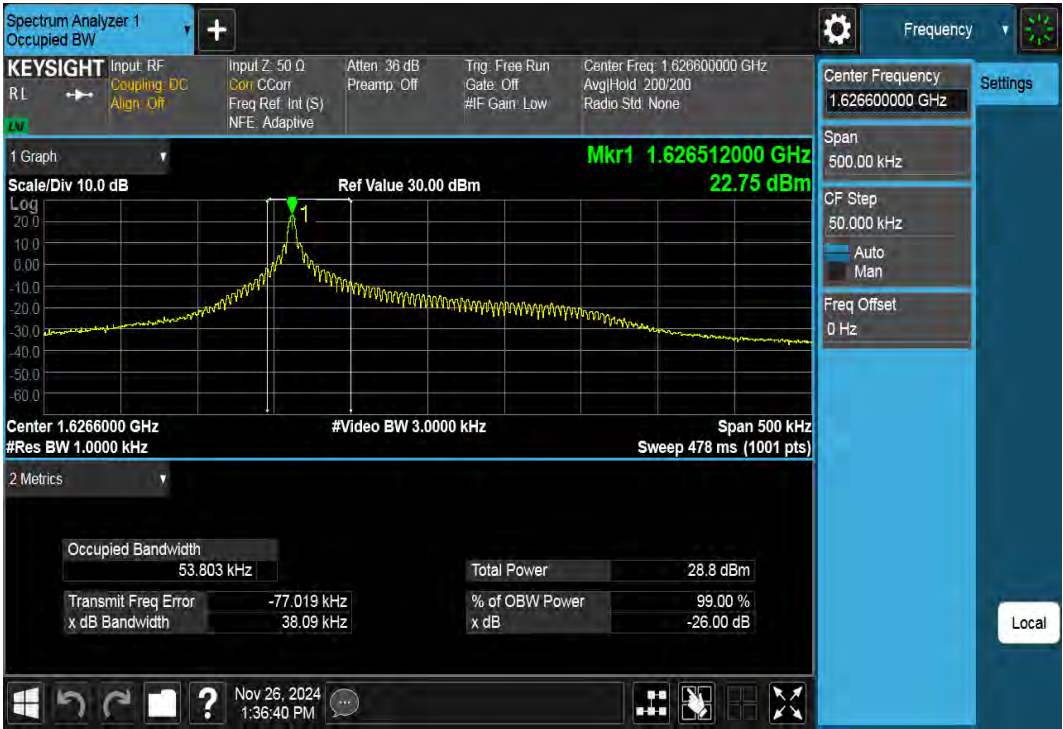
Band255-15kHz-OBW-H-BPSK-1@0



Band255-15kHz-OBW-H-BPSK-1@11



Band255-3.75kHz-OBW-L-QPSK-1@0



Band255-3.75kHz-OBW-L-QPSK-1@47



Band255-3.75kHz-OBW-L-BPSK-1@0



Band255-3.75kHz-OBW-L-BPSK-1@47



Band255-3.75kHz-OBW-M-QPSK-1@0



Band255-3.75kHz-OBW-M-QPSK-1@47



Band255-3.75kHz-OBW-M-BPSK-1@0



Band255-3.75kHz-OBW-M-BPSK-1@47



Band255-3.75kHz-OBW-H-QPSK-1@0



Band255-3.75kHz-OBW-H-QPSK-1@47



Band255-3.75kHz-OBW-H-BPSK-1@0

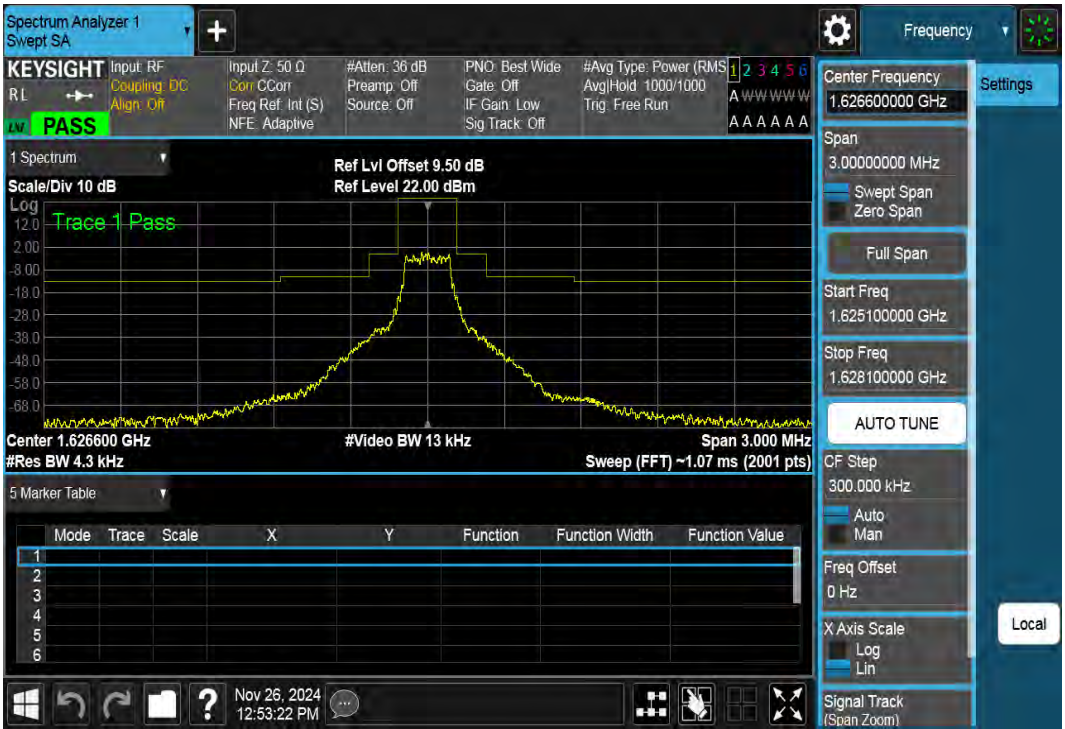


Band255-3.75kHz-OBW-H-BPSK-1@47

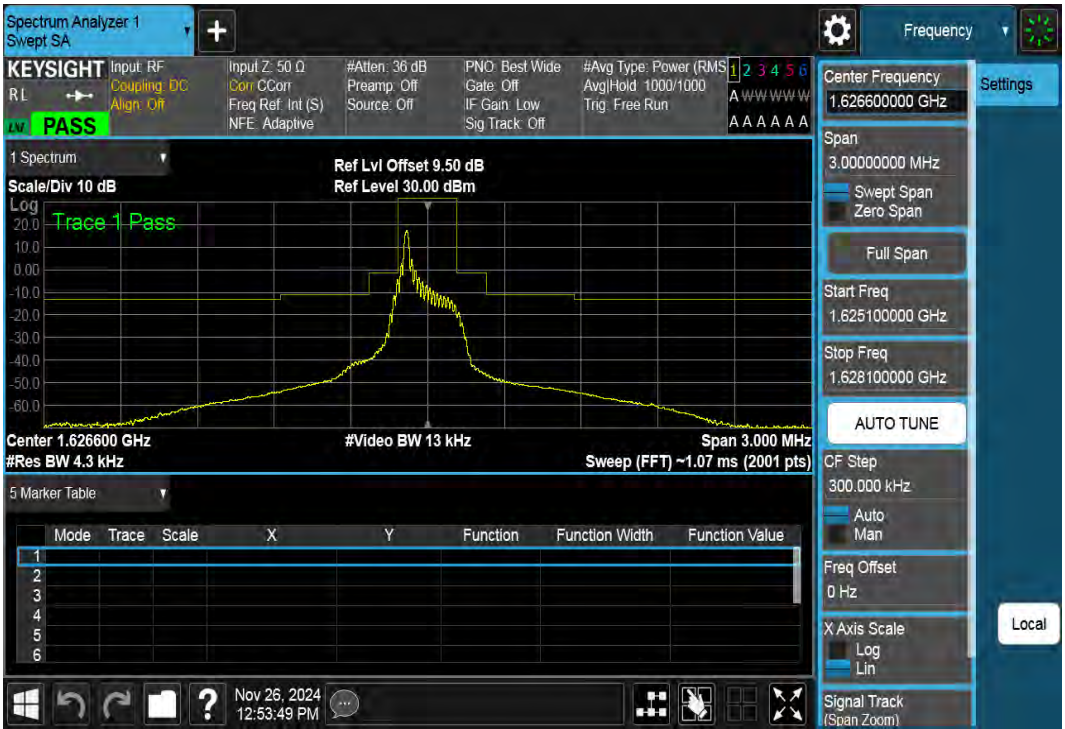


Emission mask test Graph

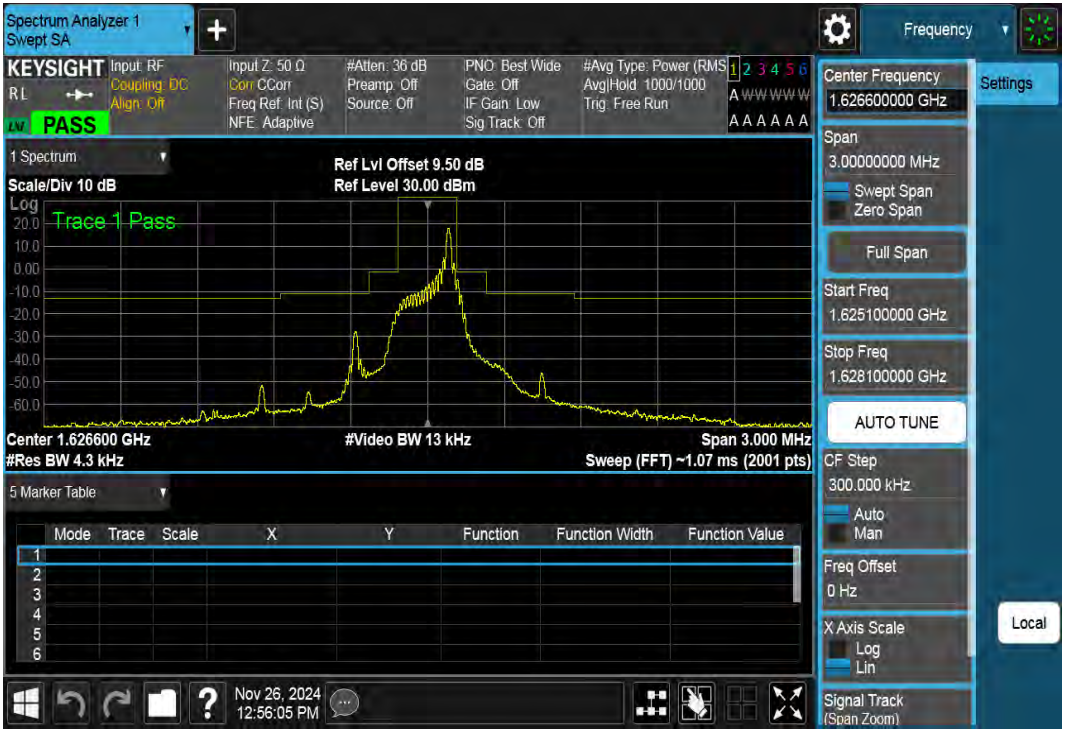
Band255-15kHz-MASK-L-QPSK-12@0



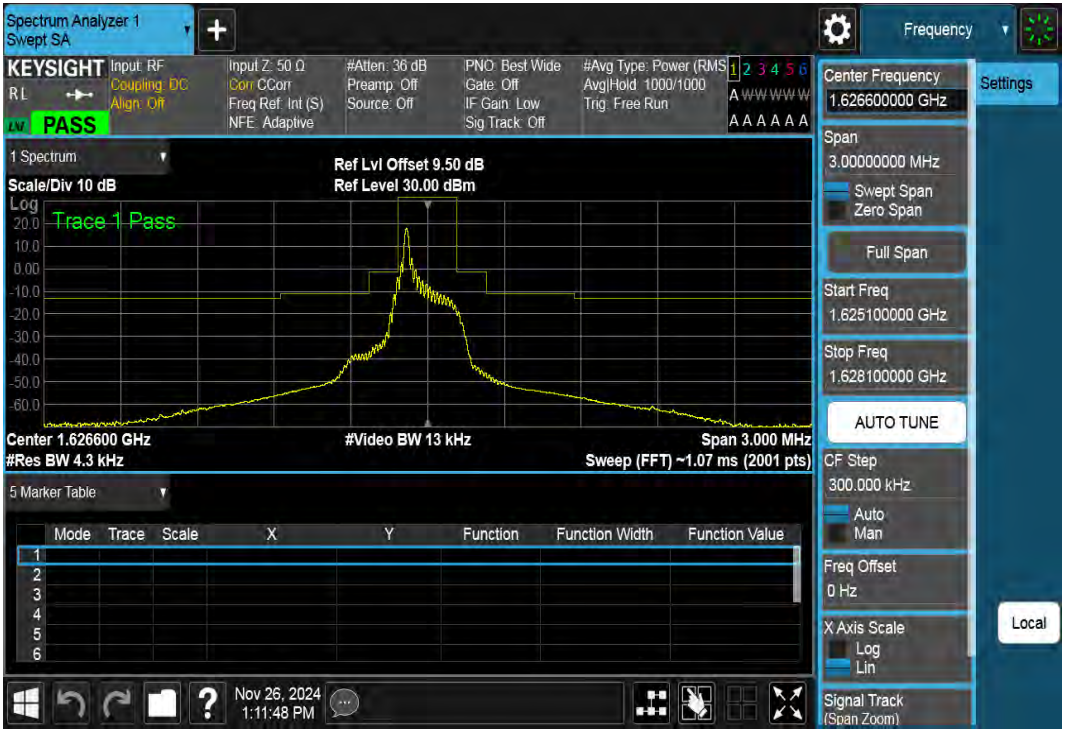
Band255-15kHz-MASK-L-QPSK-1@0



Band255-15kHz-MASK-L-QPSK-1@11



Band255-15kHz-MASK-L-BPSK-1@0



Band255-15kHz-MASK-L-BPSK-1@11



Band255-15kHz-MASK-M-QPSK-12@0



Band255-15kHz-MASK-M-QPSK-1@0



Band255-15kHz-MASK-M-QPSK-1@11



Band255-15kHz-MASK-M-BPSK-1@0



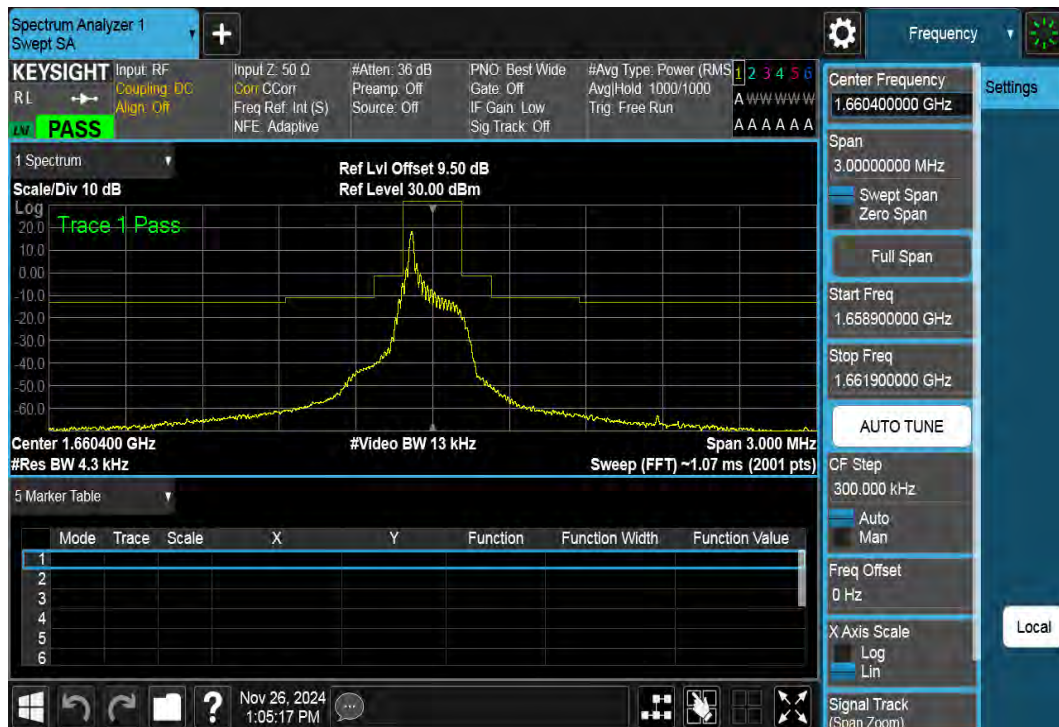
Band255-15kHz-MASK-M-BPSK-1@11



Band255-15kHz-MASK-H-QPSK-12@0



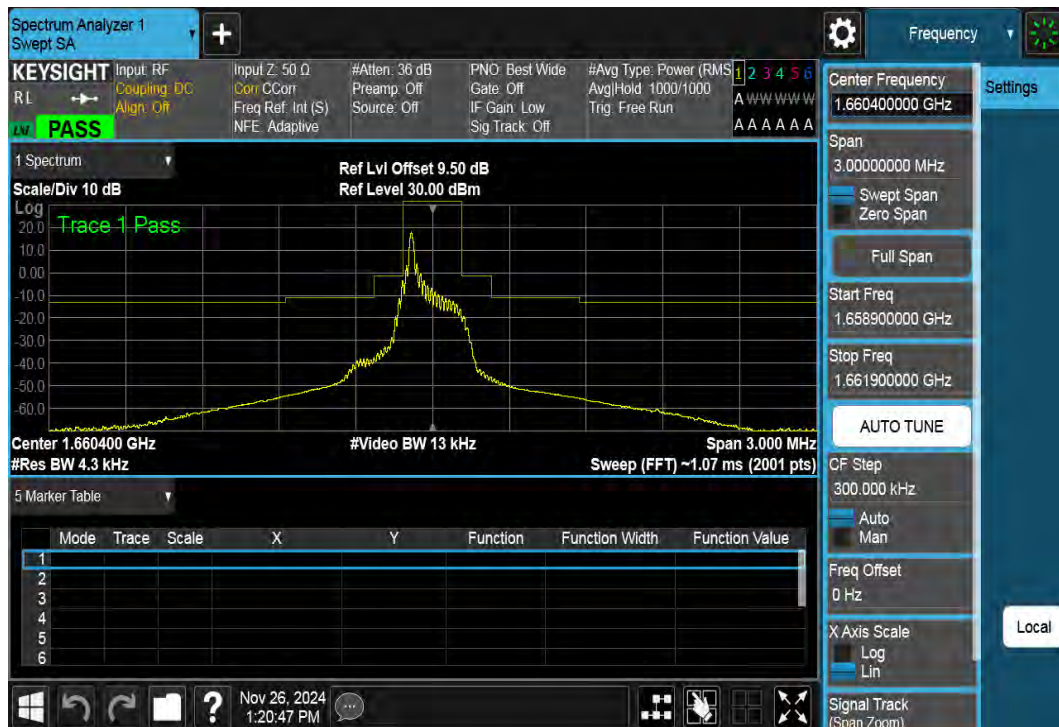
Band255-15kHz-MASK-H-QPSK-1@0



Band255-15kHz-MASK-H-QPSK-1@11



Band255-15kHz-MASK-H-BPSK-1@0



Band255-15kHz-MASK-H-BPSK-1@11



Band255-3.75kHz-MASK-L-QPSK-1@0



Band255-3.75kHz-MASK-L-QPSK-1@47



Band255-3.75kHz-MASK-L-BPSK-1@0



Band255-3.75kHz-MASK-L-BPSK-1@47



Band255-3.75kHz-MASK-M-QPSK-1@0



Band255-3.75kHz-MASK-M-QPSK-1@47



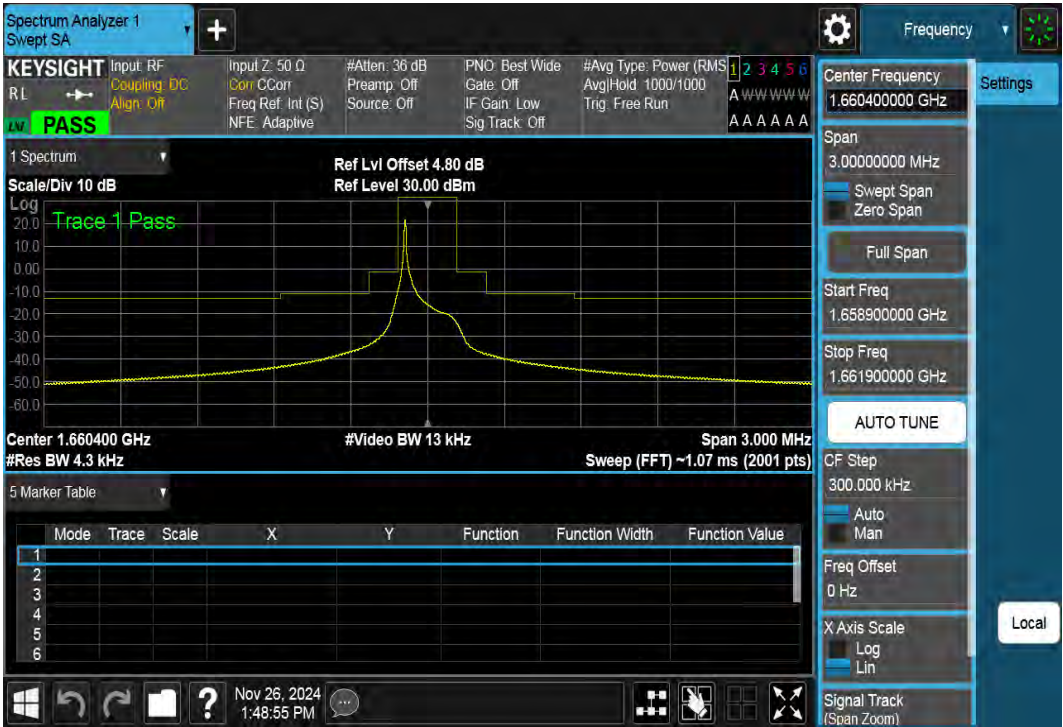
Band255-3.75kHz-MASK-M-BPSK-1@0



Band255-3.75kHz-MASK-M-BPSK-1@47



Band255-3.75kHz-MASK-H-QPSK-1@0



Band255-3.75kHz-MASK-H-QPSK-1@47



Band255-3.75kHz-MASK-H-BPSK-1@0



Band255-3.75kHz-MASK-H-BPSK-1@47



Conducted spurious emissions test graph

Band255-15kHz-CSE-L-QPSK-1@0-30MHz-10GHz



Band255-15kHz-CSE-L-QPSK-1@0-10GHz-22GHz



Band255-15kHz-CSE-L-BPSK-1@0-30MHz-10GHz



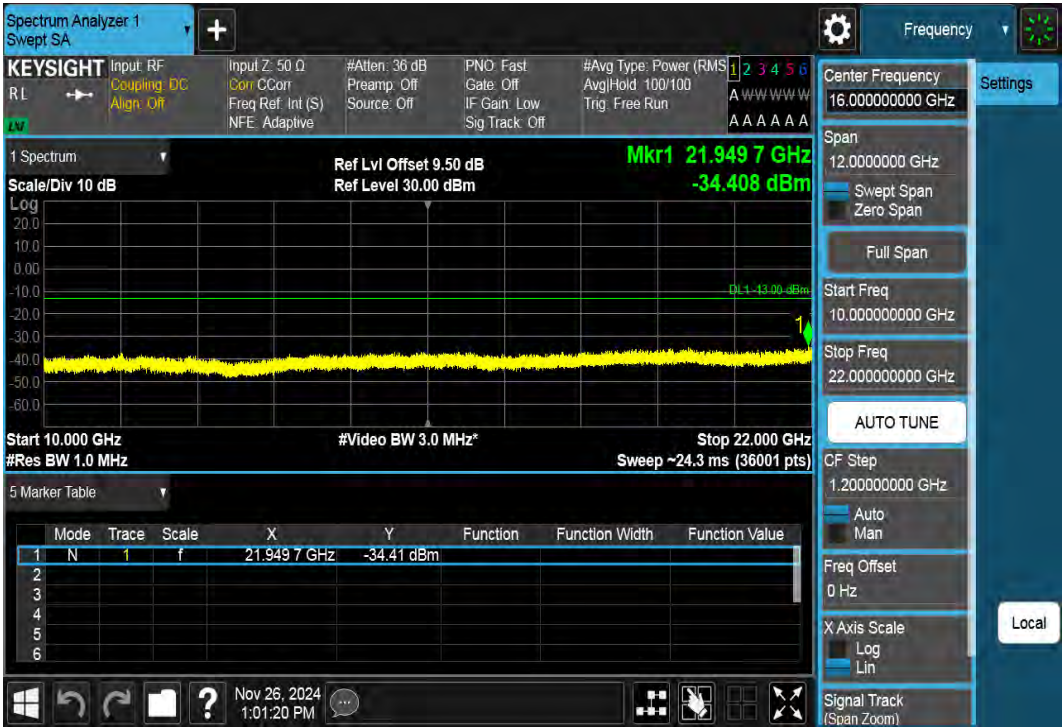
Band255-15kHz-CSE-L-BPSK-1@0-10GHz-22GHz



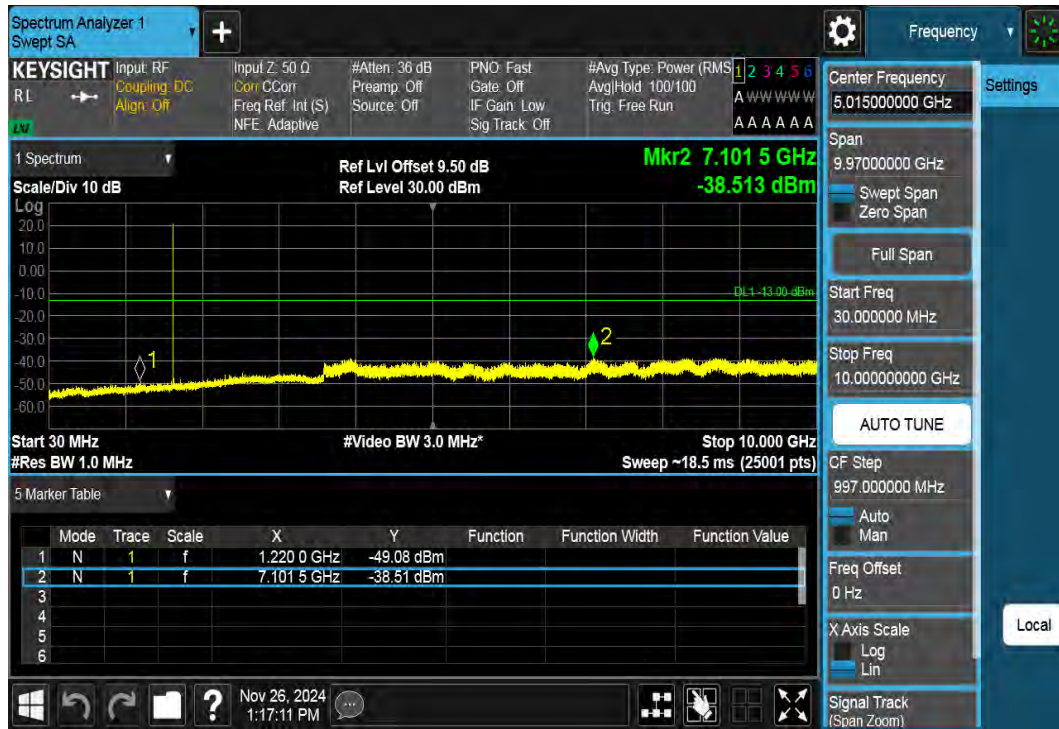
Band255-15kHz-CSE-M-QPSK-1@0-30MHz-10GHz



Band255-15kHz-CSE-M-QPSK-1@0-10GHz-22GHz



Band255-15kHz-CSE-M-BPSK-1@0-30MHz-10GHz



Band255-15kHz-CSE-M-BPSK-1@0-10GHz-22GHz



Band255-15kHz-CSE-H-QPSK-1@0-30MHz-10GHz



Band255-15kHz-CSE-H-QPSK-1@0-10GHz-22GHz



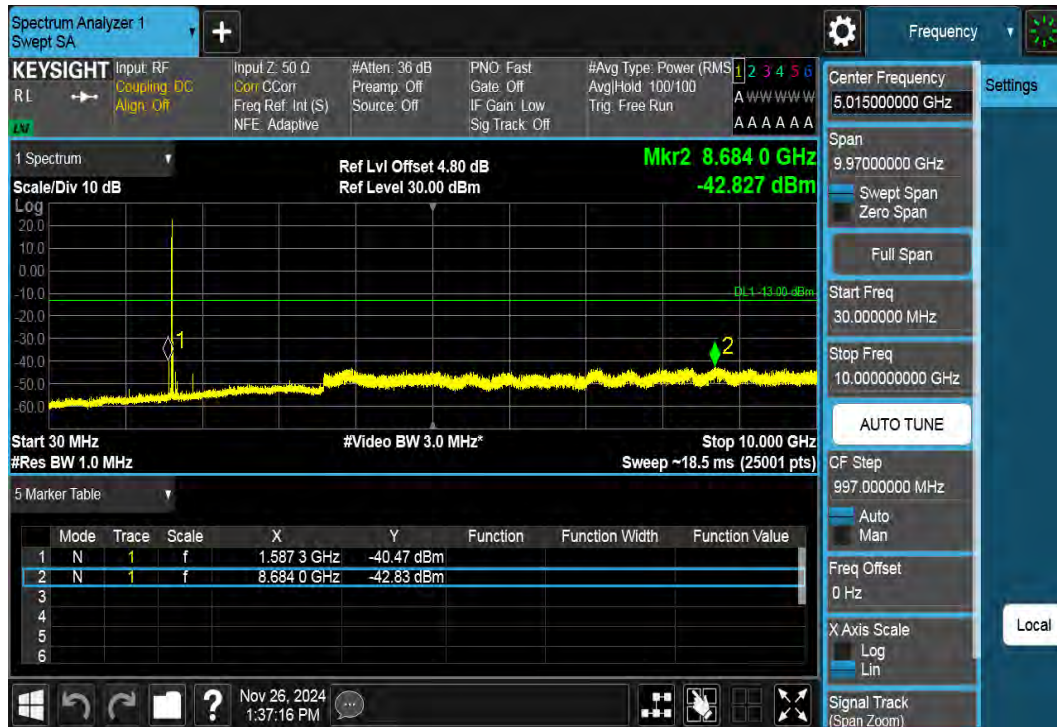
Band255-15kHz-CSE-H-BPSK-1@0-30MHz-10GHz



Band255-15kHz-CSE-H-BPSK-1@0-10GHz-22GHz



Band255-3.75kHz-CSE-L-QPSK-1@0-30MHz-10GHz



Band255-3.75kHz-CSE-L-QPSK-1@0-10GHz-22GHz



Band255-3.75kHz-CSE-L-BPSK-1@0-30MHz-10GHz



Band255-3.75kHz-CSE-L-BPSK-1@0-10GHz-22GHz

