

Effective (Isotropic) Radiated Output Power Data

Band 23 SCS 15kHz					
Modulation	Frequency(MHz)	Ntones	Conducted Power(dBm)	Antenna Gain(dBi)	EIRP (dBm)
QPSK	2000.1	12@0	23.31	3.3	26.61
QPSK		1@0	23.47	3.3	26.77
QPSK		1@11	23.12	3.3	26.42
BPSK		1@0	23.12	3.3	26.42
BPSK		1@11	23.16	3.3	26.46
QPSK	2010	12@0	23.05	3.3	26.35
QPSK		1@0	23.75	3.3	27.05
QPSK		1@11	23.11	3.3	26.41
BPSK		1@0	23.33	3.3	26.63
BPSK		1@11	23.31	3.3	26.61
QPSK	2019.9	12@0	23.27	3.3	26.57
QPSK		1@0	23.56	3.3	26.86
QPSK		1@11	23.11	3.3	26.41
BPSK		1@0	23.51	3.3	26.81
BPSK		1@11	23.11	3.3	26.41

Band 23 SCS 3.75kHz					
Modulation	Frequency(MHz)	Ntones	Conducted Power(dBm)	Antenna Gain(dBi)	EIRP (dBm)
QPSK	2000.1	1@0	23.25	3.3	26.55
QPSK		1@47	23.21	3.3	26.51
BPSK		1@0	23.12	3.3	26.42
BPSK		1@47	23.11	3.3	26.41
QPSK	2010	1@0	23.33	3.3	26.63
QPSK		1@47	23.21	3.3	26.51
BPSK		1@0	23.18	3.3	26.48
BPSK		1@47	23.11	3.3	26.41
QPSK	2019.9	1@0	23.25	3.3	26.55
QPSK		1@47	23.23	3.3	26.53
BPSK		1@0	23.31	3.3	26.61
BPSK		1@47	23.25	3.3	26.55

99% & 26dB Bandwidth

Test Result

Band 23 SCS 15kHz						
Modulation	CH	N _{tones} Allocation	99% Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit (kHz)	Verdict
QPSK	Low CH	12@0	188.49	258.3	/	Pass
QPSK		1@0	135.86	115.8	/	Pass
QPSK		1@11	119.91	117.7	/	Pass
BPSK		1@0	121.86	106.5	/	Pass
BPSK		1@11	122.44	119.2	/	Pass
QPSK	Middle CH	12@0	185.44	248.9	/	Pass
QPSK		1@0	119.34	129.2	/	Pass
QPSK		1@11	125.34	129.5	/	Pass
BPSK		1@0	127.8	118.1	/	Pass
BPSK		1@11	129.41	118.5	/	Pass
QPSK	High CH	12@0	189.38	264	/	Pass
QPSK		1@0	118.06	116.4	/	Pass
QPSK		1@11	116.02	115.2	/	Pass
BPSK		1@0	130.26	105.5	/	Pass
BPSK		1@11	128.89	112.3	/	Pass

Band 23 SCS 3.75kHz						
Modulation	CH	N _{tones} Allocation	99% Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit (kHz)	Verdict
QPSK	Low CH	1@0	56.894	41.06	/	Pass
QPSK		1@47	56.501	40.66	/	Pass
BPSK		1@0	53.937	35.59	/	Pass
BPSK		1@47	54.061	35.76	/	Pass
QPSK	Middle CH	1@0	53.786	37.64	/	Pass
QPSK		1@47	54.276	37.82	/	Pass
BPSK		1@0	55.424	33.94	/	Pass
BPSK		1@47	53.421	36.28	/	Pass
QPSK	High CH	1@0	55.063	37.79	/	Pass
QPSK		1@47	58.707	38.06	/	Pass
BPSK		1@0	53.021	36.4	/	Pass
BPSK		1@47	53.808	32.04	/	Pass

Test graph

Band23-15kHz-OBW-L-QPSK-12@0



Band23-15kHz-OBW-L-QPSK-1@0



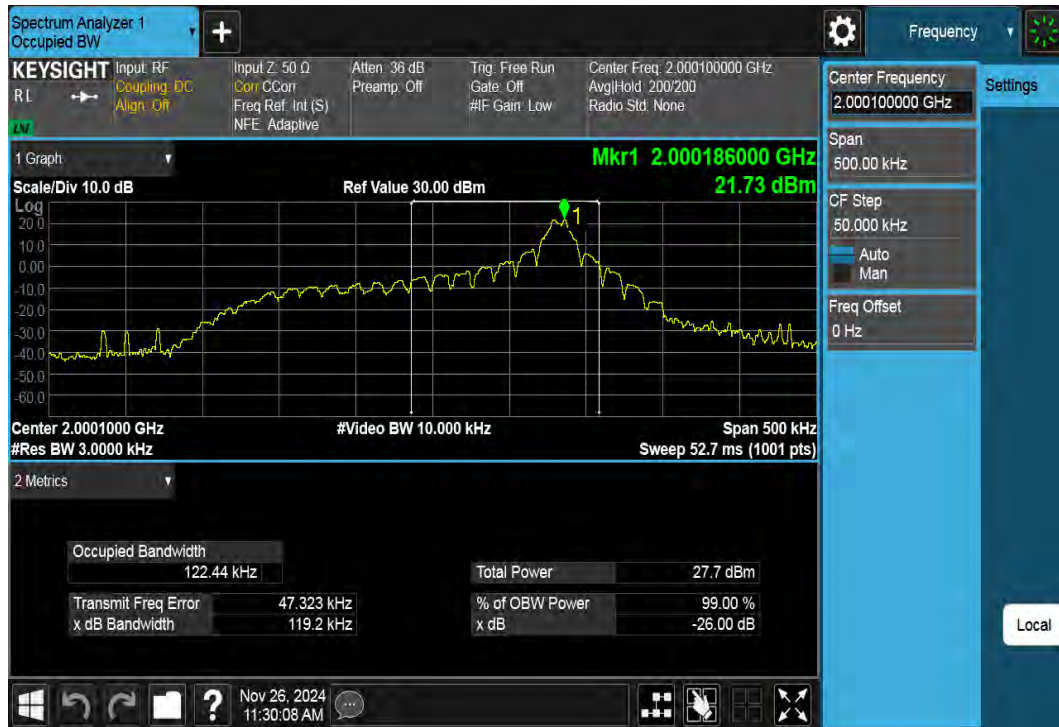
Band23-15kHz-OBW-L-QPSK-1@11



Band23-15kHz-OBW-L-BPSK-1@0



Band23-15kHz-OBW-L-BPSK-1@11



Band23-15kHz-OBW-M-QPSK-12@0



Band23-15kHz-OBW-M-QPSK-1@0



Band23-15kHz-OBW-M-QPSK-1@11



Band23-15kHz-OBW-M-BPSK-1@0



Band23-15kHz-OBW-M-BPSK-1@11



Band23-15kHz-OBW-H-QPSK-12@0



Band23-15kHz-OBW-H-QPSK-1@0



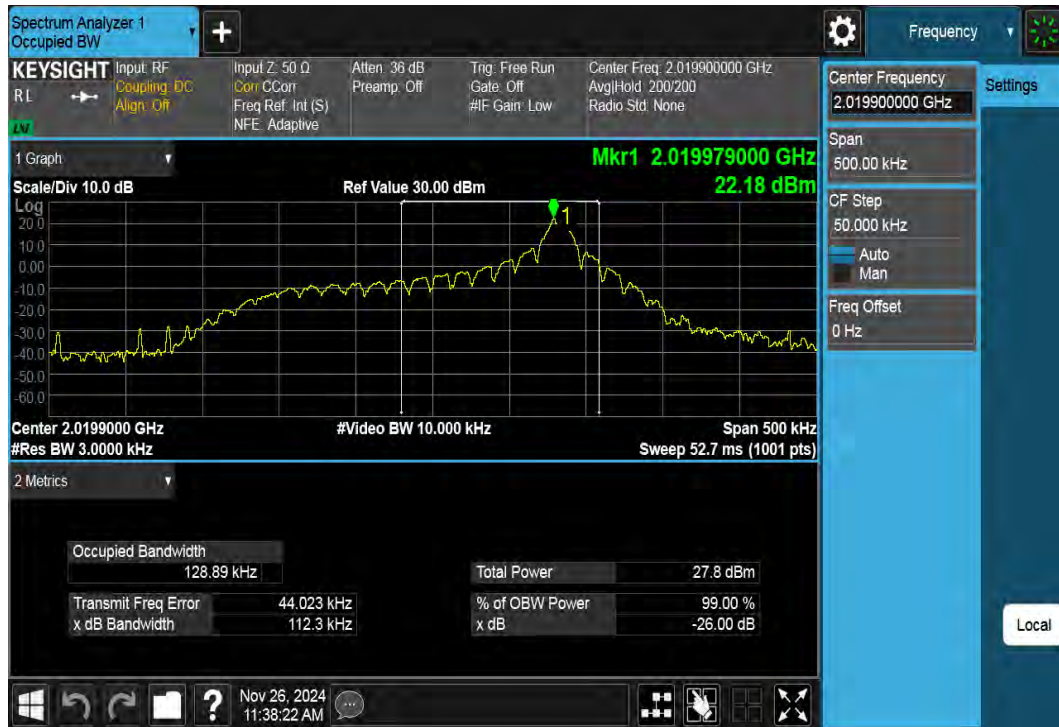
Band23-15kHz-OBW-H-QPSK-1@11



Band23-15kHz-OBW-H-BPSK-1@0



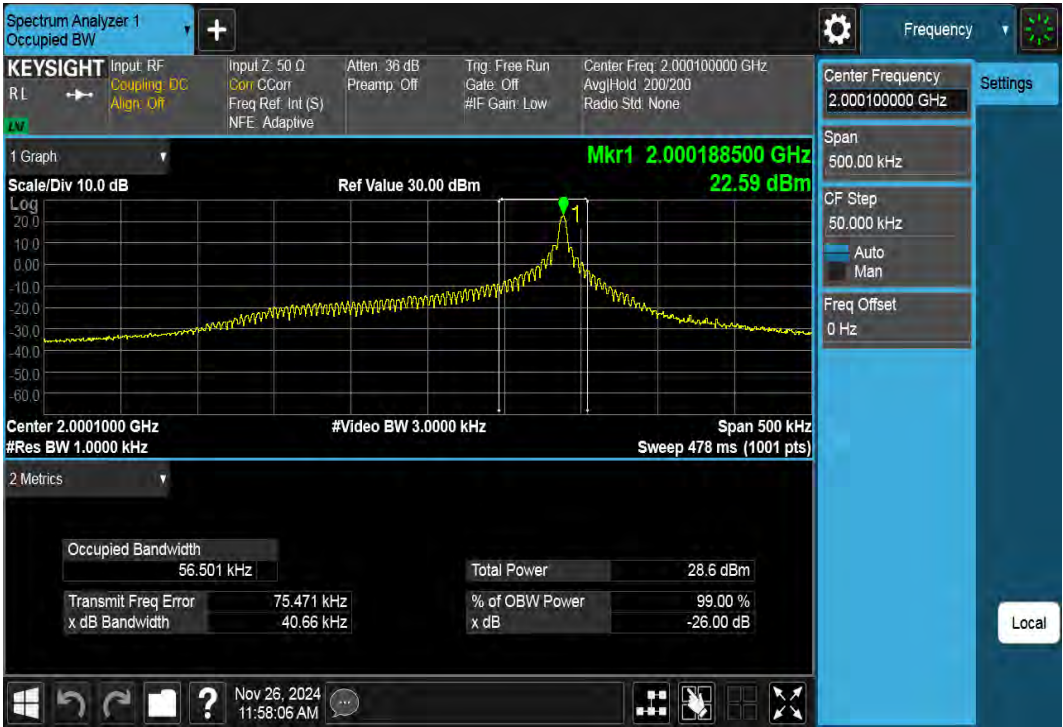
Band23-15kHz-OBW-H-BPSK-1@11



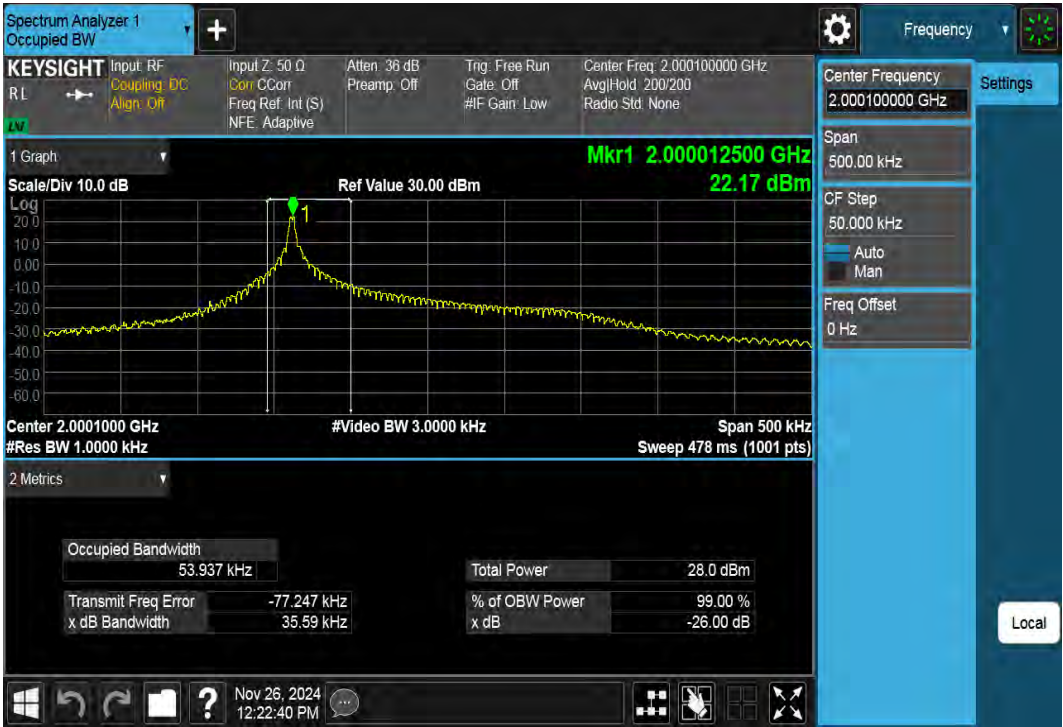
Band23-3.75kHz-OBW-L-QPSK-1@0



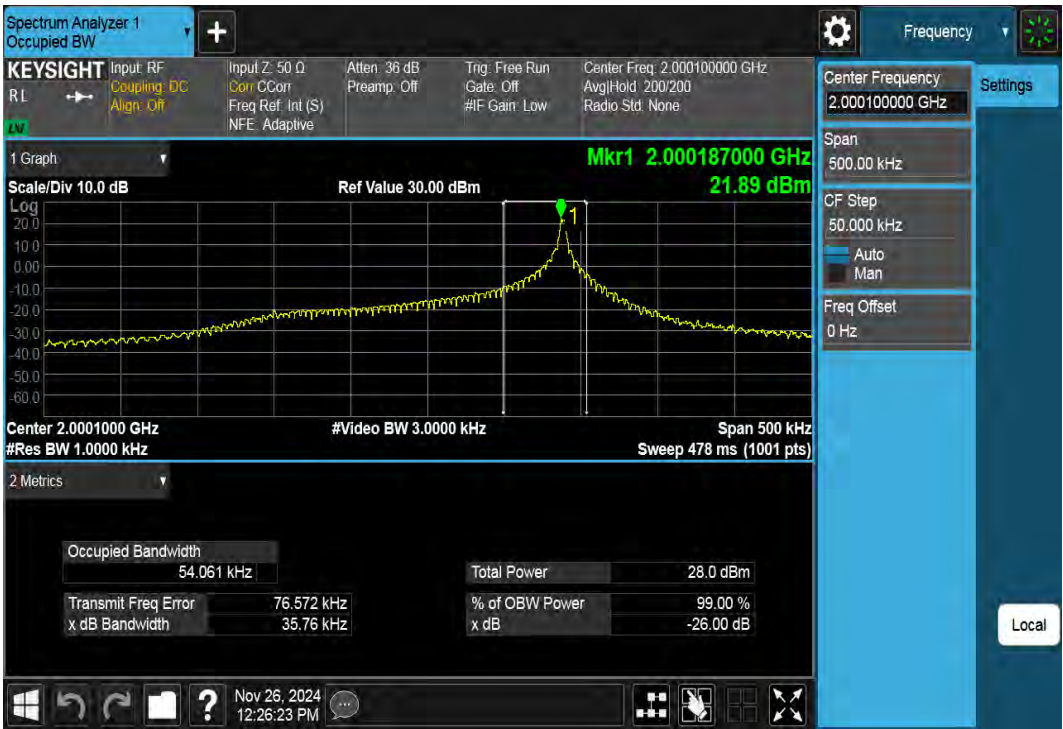
Band23-3.75kHz-OBW-L-QPSK-1@47



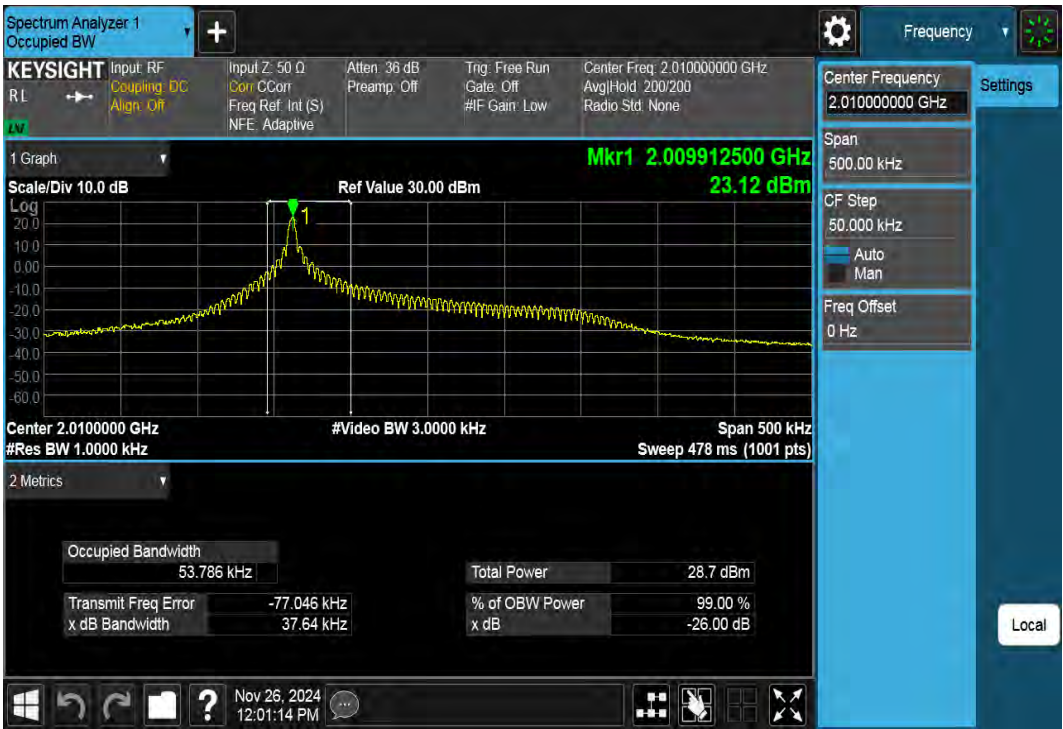
Band23-3.75kHz-OBW-L-BPSK-1@0



Band23-3.75kHz-OBW-L-BPSK-1@47



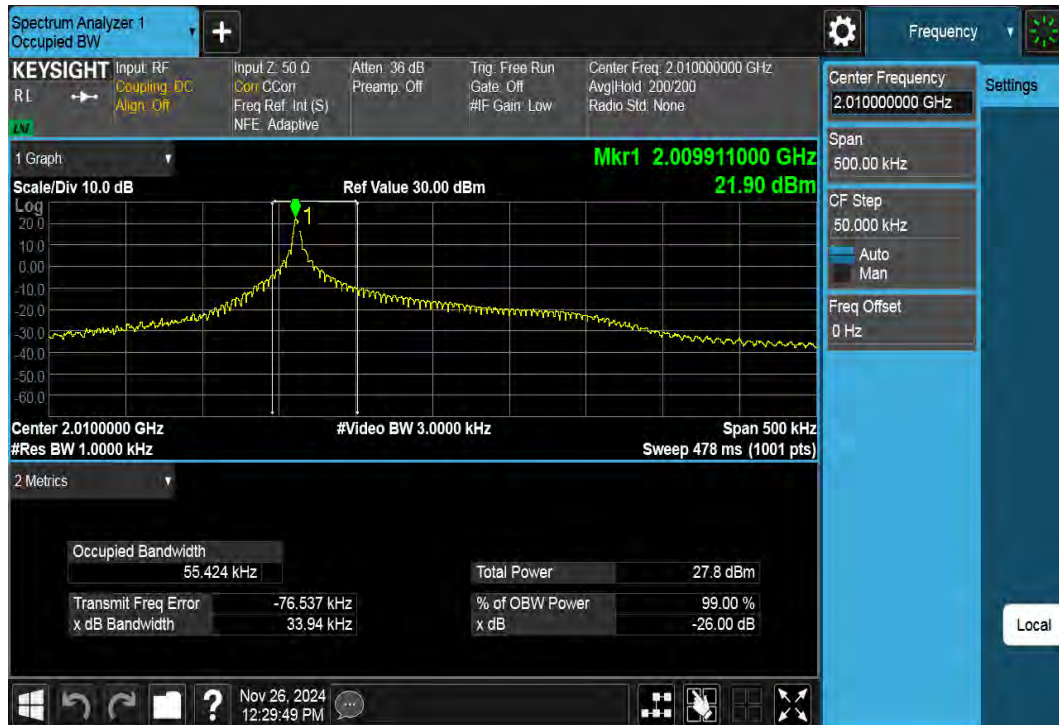
Band23-3.75kHz-OBW-M-QPSK-1@0



Band23-3.75kHz-OBW-M-QPSK-1@47



Band23-3.75kHz-OBW-M-BPSK-1@0



Band23-3.75kHz-OBW-M-BPSK-1@47



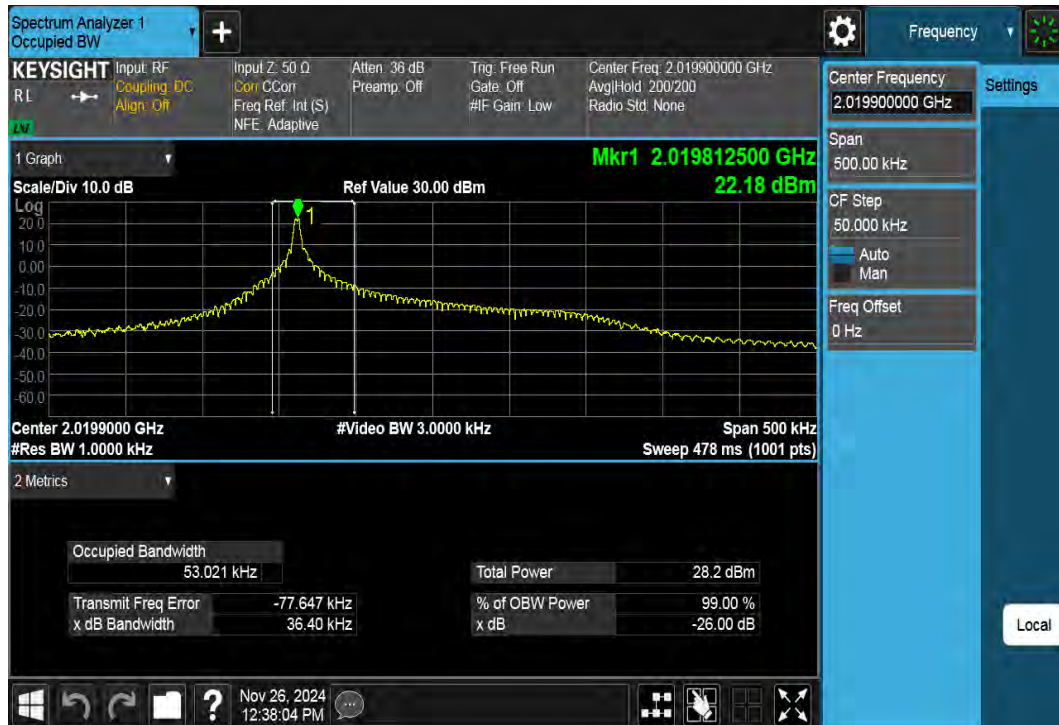
Band23-3.75kHz-OBW-H-QPSK-1@0



Band23-3.75kHz-OBW-H-QPSK-1@47



Band23-3.75kHz-OBW-H-BPSK-1@0

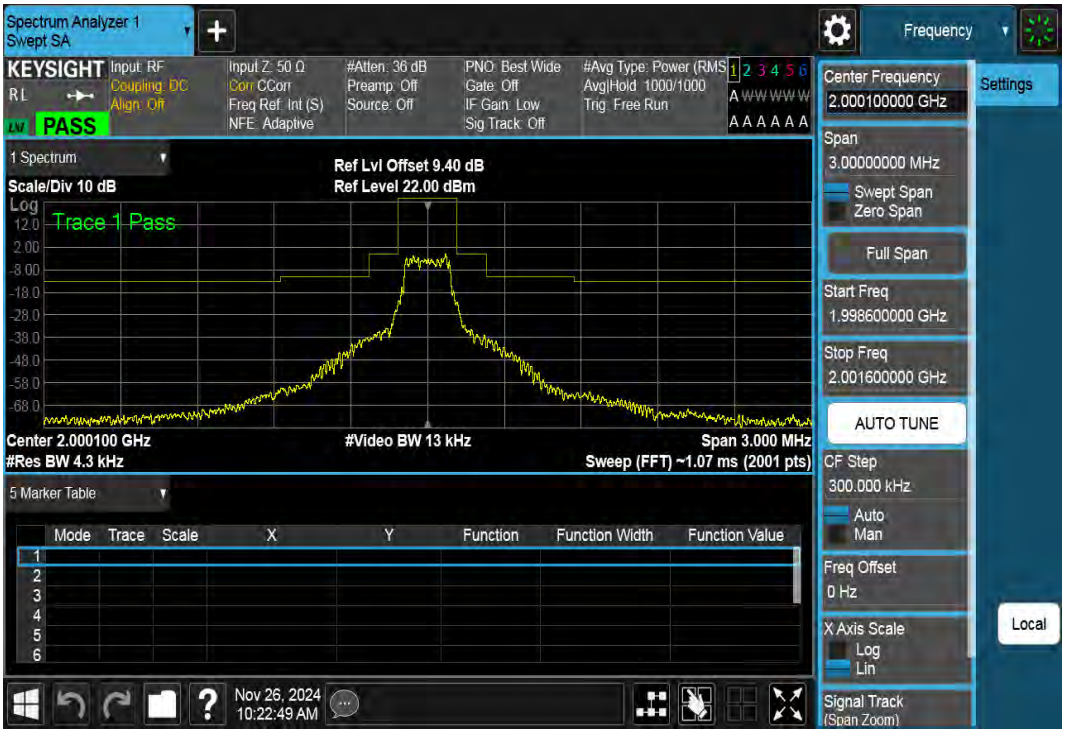


Band23-3.75kHz-OBW-H-BPSK-1@47

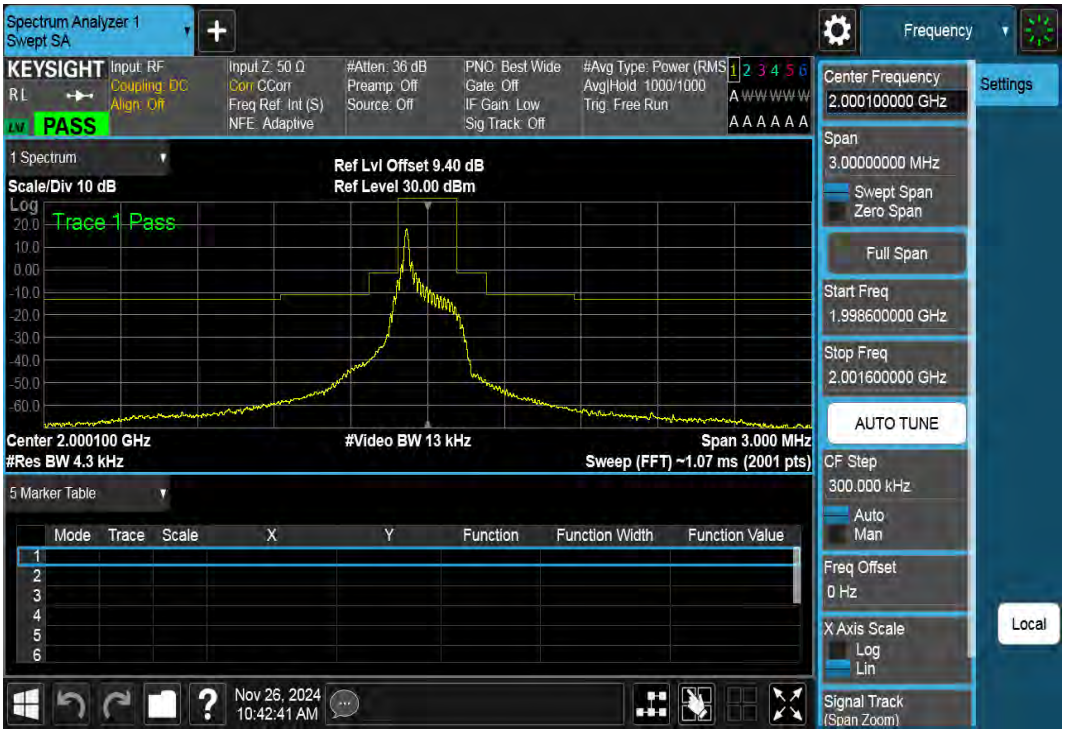


Emission mask test Graph

Band23-15kHz-MASK-L-QPSK-12@0



Band23-15kHz-MASK-L-QPSK-1@0



Band23-15kHz-MASK-L-QPSK-1@11



Band23-15kHz-MASK-L-BPSK-1@0



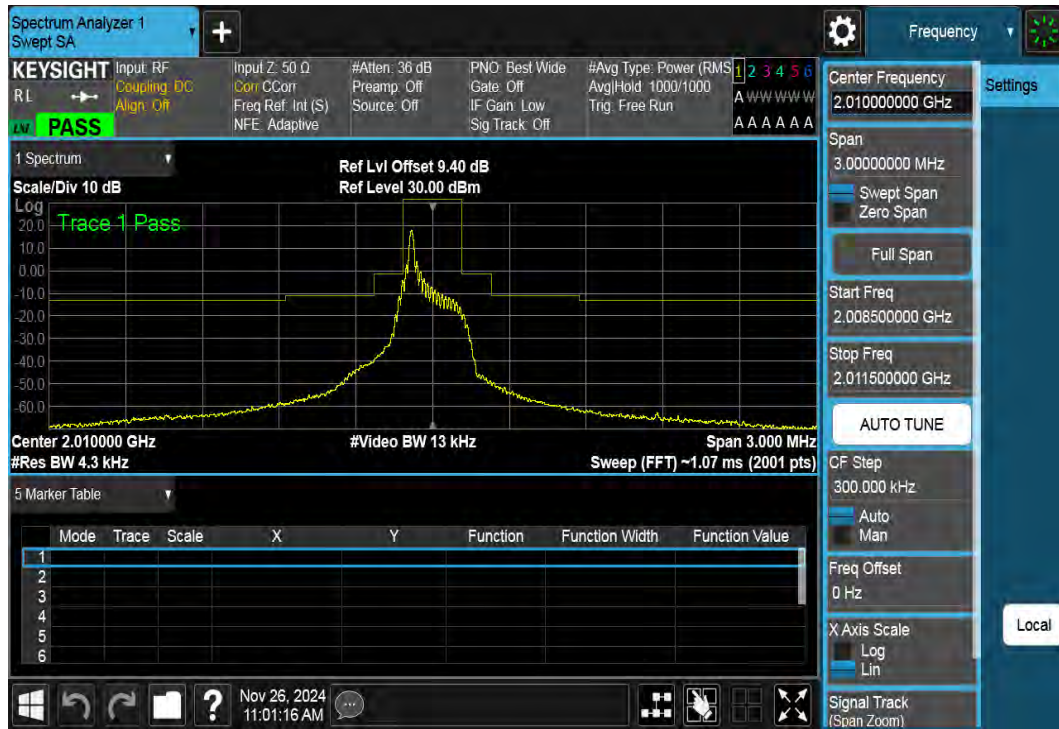
Band23-15kHz-MASK-L-BPSK-1@11



Band23-15kHz-MASK-M-QPSK-12@0



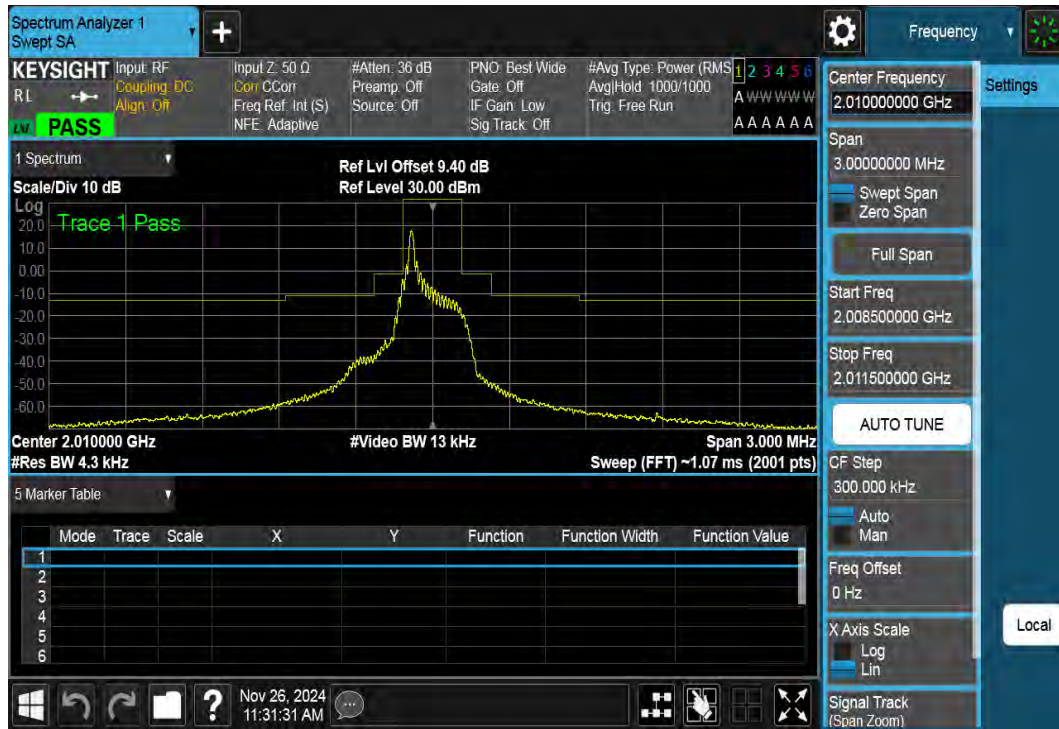
Band23-15kHz-MASK-M-QPSK-1@0



Band23-15kHz-MASK-M-QPSK-1@11



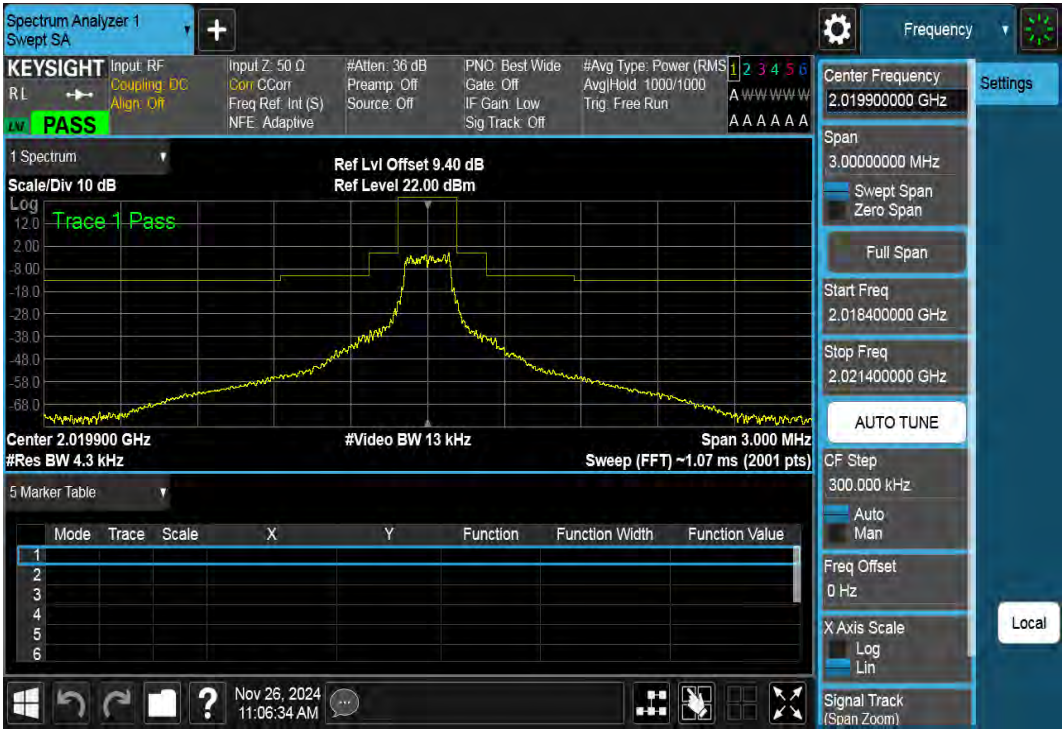
Band23-15kHz-MASK-M-BPSK-1@0



Band23-15kHz-MASK-M-BPSK-1@11



Band23-15kHz-MASK-H-QPSK-12@0



Band23-15kHz-MASK-H-QPSK-1@0



Band23-15kHz-MASK-H-QPSK-1@11



Band23-15kHz-MASK-H-BPSK-1@0



Band23-15kHz-MASK-H-BPSK-1@11



Band23-3.75kHz-MASK-L-QPSK-1@0



Band23-3.75kHz-MASK-L-QPSK-1@47



Band23-3.75kHz-MASK-L-BPSK-1@0



Band23-3.75kHz-MASK-L-BPSK-1@47



Band23-3.75kHz-MASK-M-QPSK-1@0



Band23-3.75kHz-MASK-M-QPSK-1@47



Band23-3.75kHz-MASK-M-BPSK-1@0



Band23-3.75kHz-MASK-M-BPSK-1@47



Band23-3.75kHz-MASK-H-QPSK-1@0



Band23-3.75kHz-MASK-H-QPSK-1@47



Band23-3.75kHz-MASK-H-BPSK-1@0



Band23-3.75kHz-MASK-H-BPSK-1@47



Conducted spurious emissions test graph

Band23-15kHz-CSE-L-QPSK-1@0-30MHz-10GHz



Band23-15kHz-CSE-L-QPSK-1@0-10GHz-22GHz



Band23-15kHz-CSE-L-BPSK-1@0-30MHz-10GHz



Band23-15kHz-CSE-L-BPSK-1@0-10GHz-22GHz



Band23-15kHz-CSE-M-QPSK-1@0-30MHz-10GHz



Band23-15kHz-CSE-M-QPSK-1@0-10GHz-22GHz



Band23-15kHz-CSE-M-BPSK-1@0-30MHz-10GHz



Band23-15kHz-CSE-M-BPSK-1@0-10GHz-22GHz



Band23-15kHz-CSE-H-QPSK-1@0-30MHz-10GHz



Band23-15kHz-CSE-H-QPSK-1@0-10GHz-22GHz



Band23-15kHz-CSE-H-BPSK-1@0-30MHz-10GHz



Band23-15kHz-CSE-H-BPSK-1@0-10GHz-22GHz



Band23-3.75kHz-CSE-L-QPSK-1@0-30MHz-10GHz



Band23-3.75kHz-CSE-L-QPSK-1@0-10GHz-22GHz



Band23-3.75kHz-CSE-L-BPSK-1@0-30MHz-10GHz



Band23-3.75kHz-CSE-L-BPSK-1@0-10GHz-22GHz

