

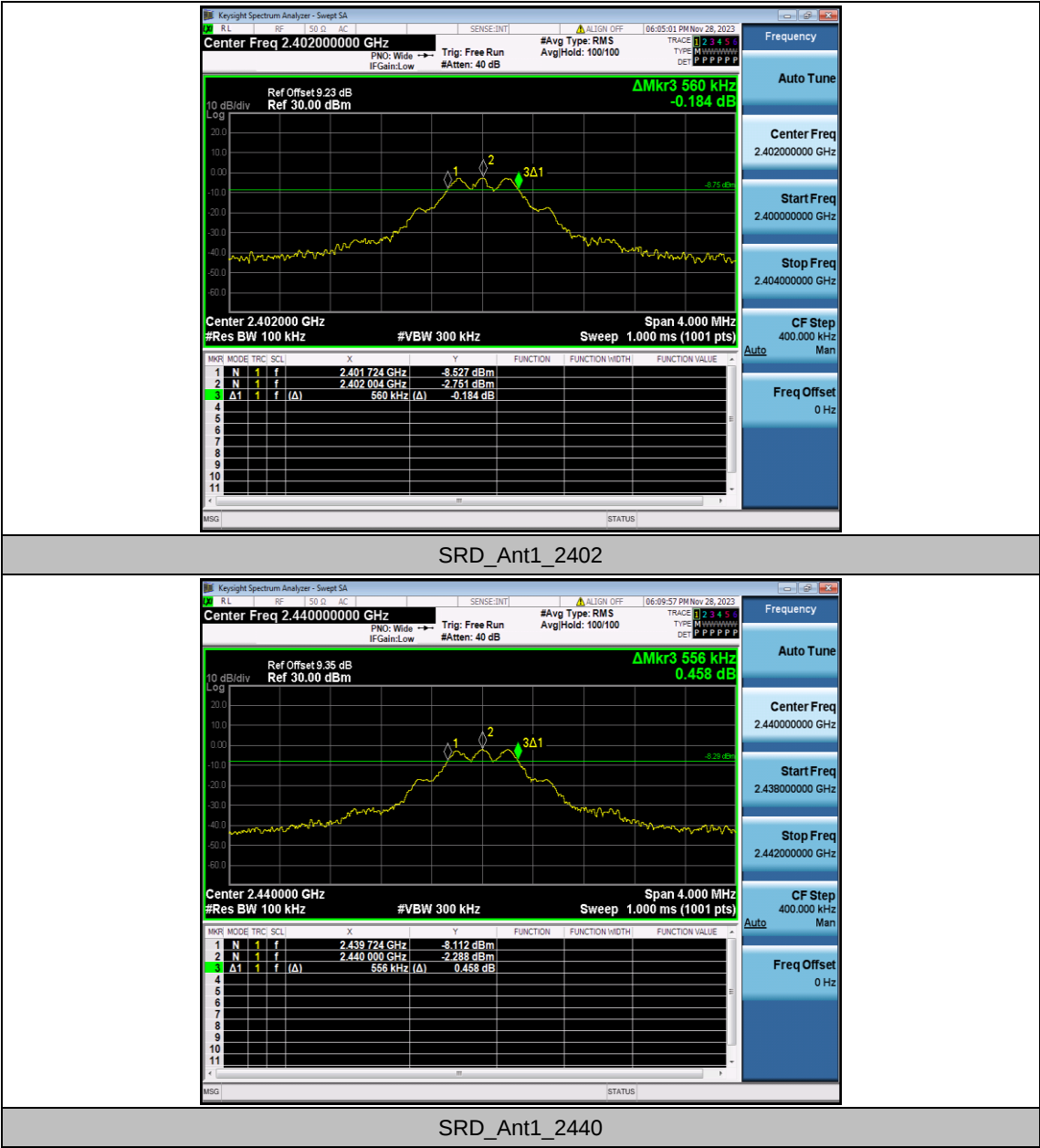
Case No. : <u>GTS20230504018-1-11</u>	
Ambient Condition: <u>24</u> °C, <u>48</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.11.28</u>	Test Engineer: <u>Evan ouyang</u>

Appendix A.1: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD	Ant1	2402	0.560	2401.724	2402.284	0.5	PASS
		2440	0.556	2439.724	2440.280	0.5	PASS
		2477.5	0.556	2477.228	2477.784	0.5	PASS

Test Graphs





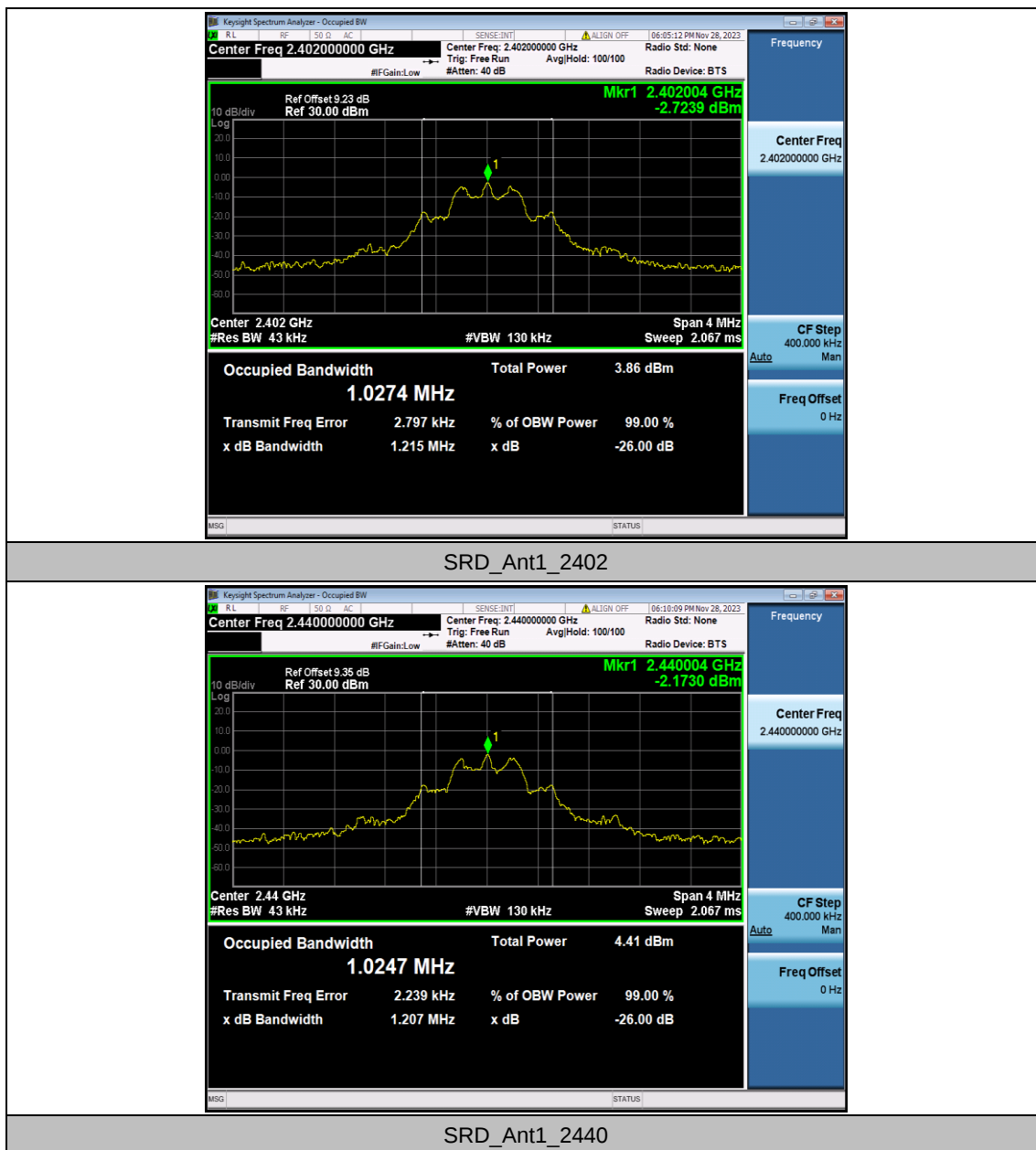
SRD_Ant1_2477.5

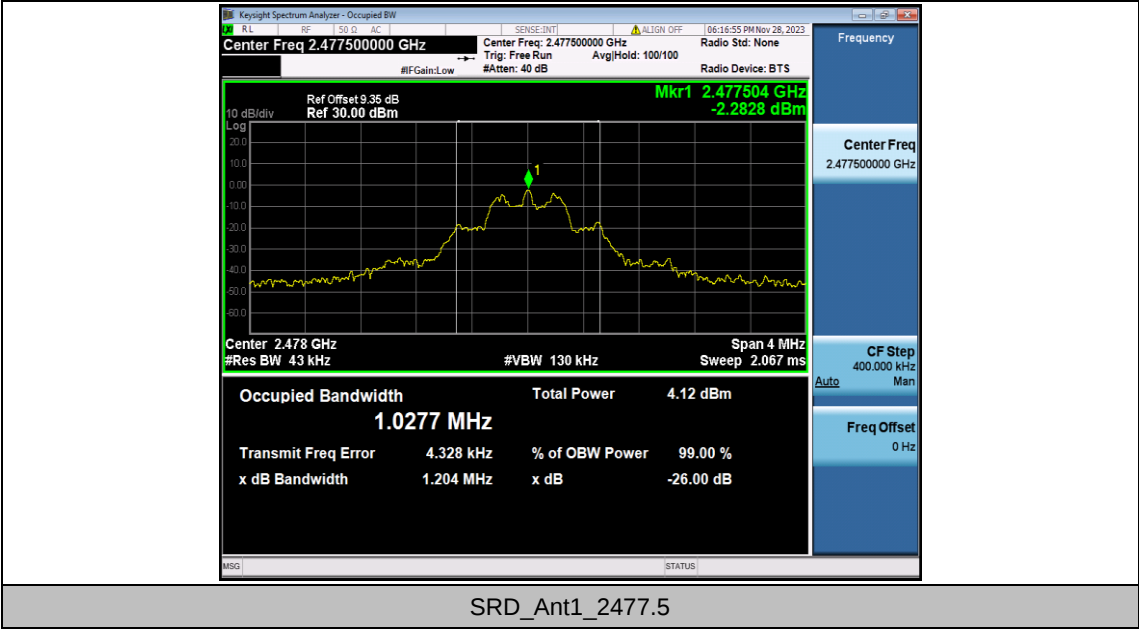
Appendix A.2: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD	Ant1	2402	1.0274	2401.489	2402.517	---	---
		2440	1.0247	2439.490	2440.515	---	---
		2477.5	1.0277	2476.990	2478.018	---	---

Test Graphs





Appendix A.3: Maximum conducted output power

Test Result Peak

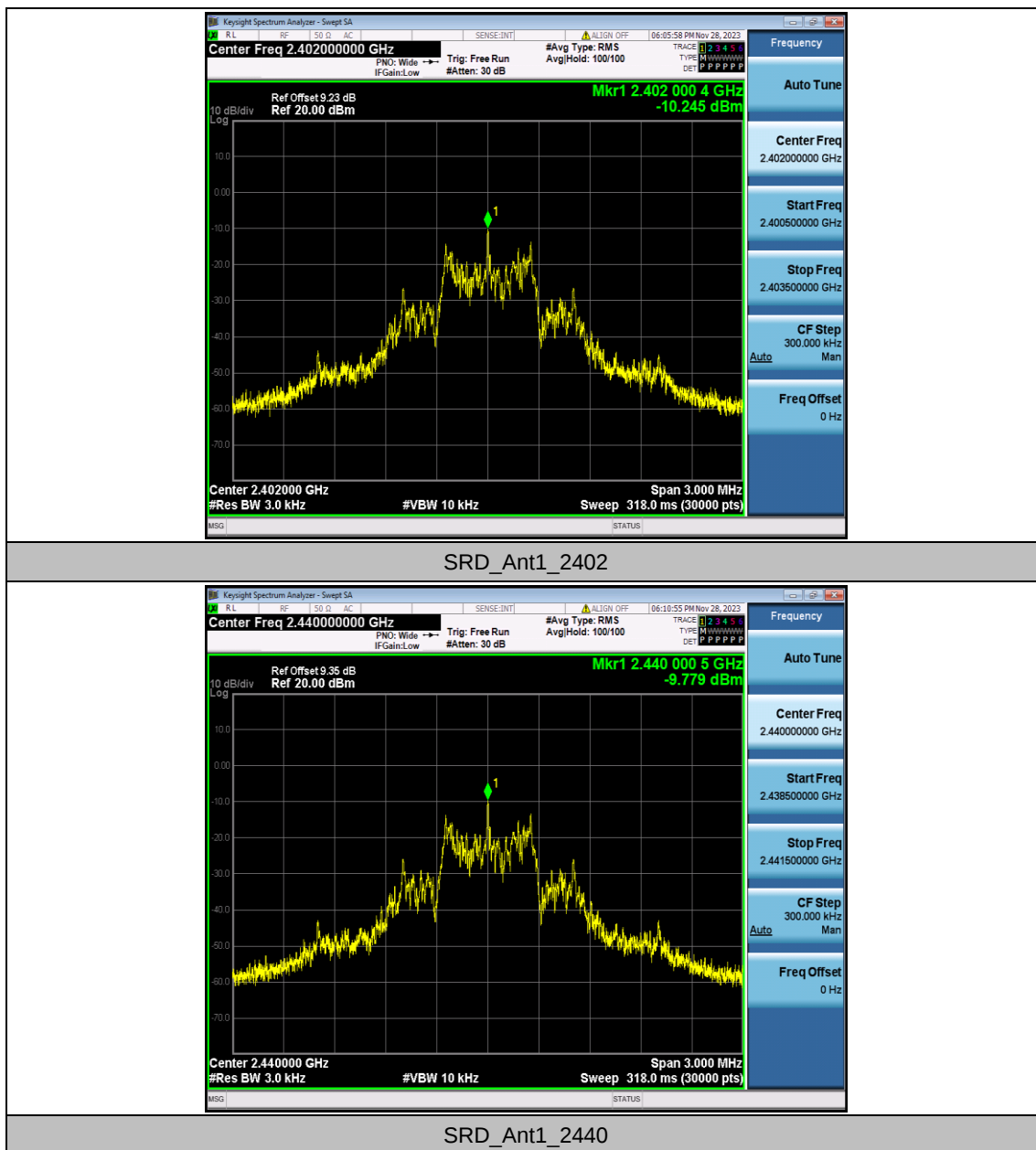
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
SRD	Ant1	2402	4.43	≤30	PASS
		2440	4.86	≤30	PASS
		2477.5	4.96	≤30	PASS

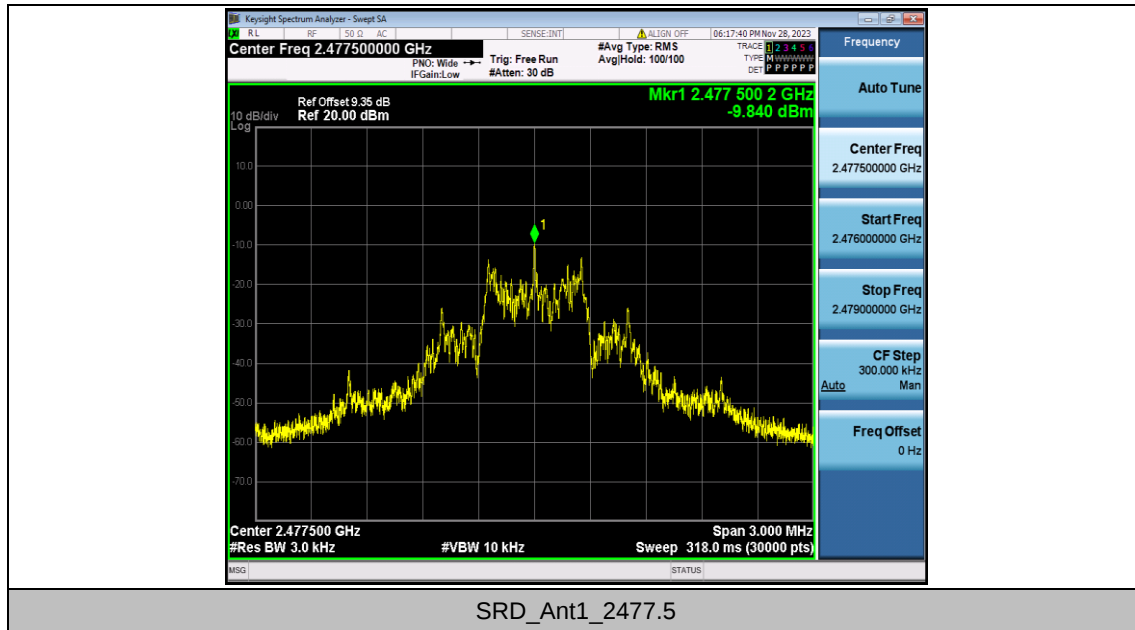
Appendix A.4: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
SRD	Ant1	2402	-10.25	≤8.00	PASS
		2440	-9.78	≤8.00	PASS
		2477.5	-9.84	≤8.00	PASS

Test Graphs



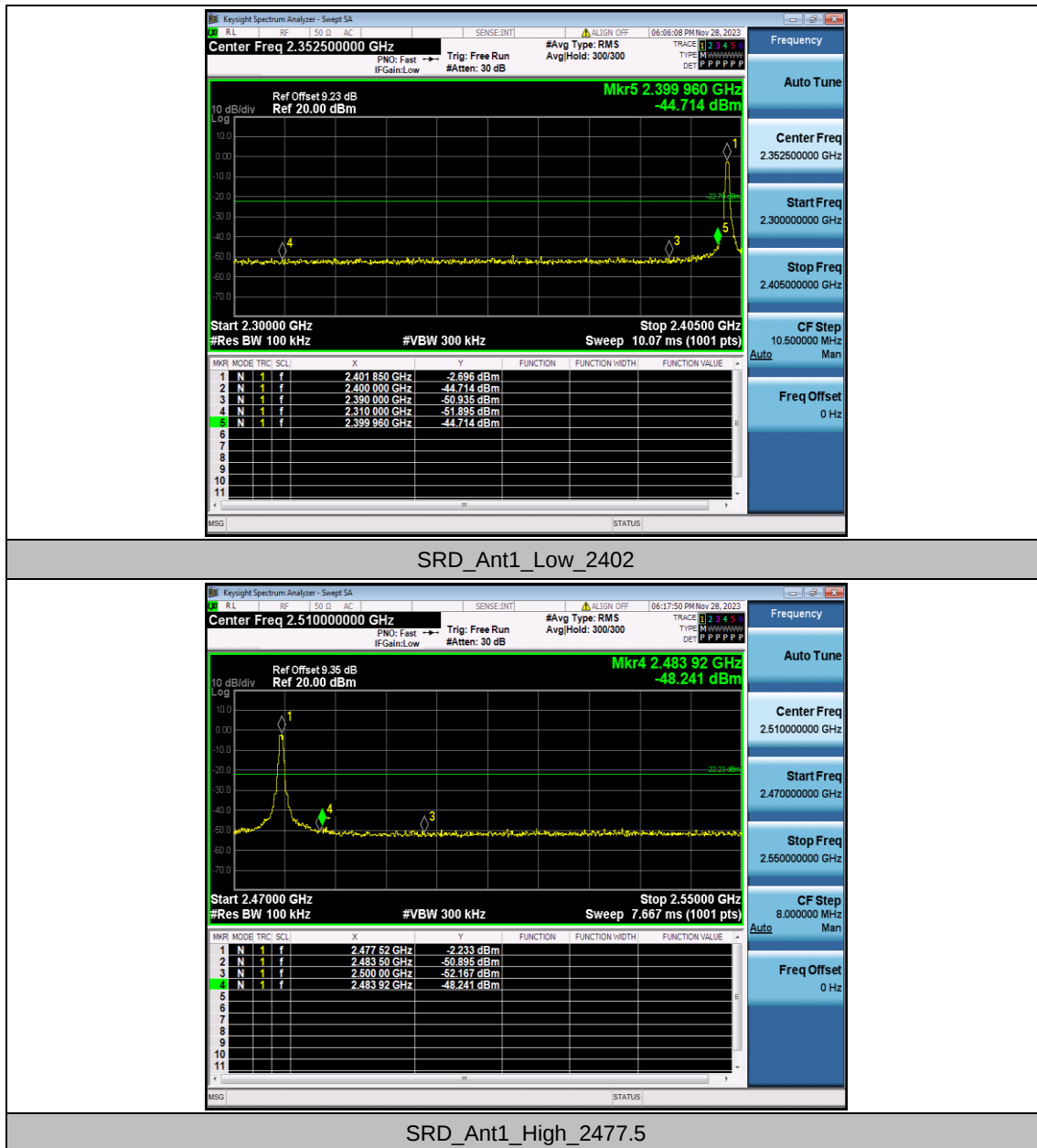


Appendix A.5: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	Low	2402	-2.70	-44.71	≤ -22.7	PASS
		High	2477.5	-2.23	-48.24	≤ -22.23	PASS

Test Graphs



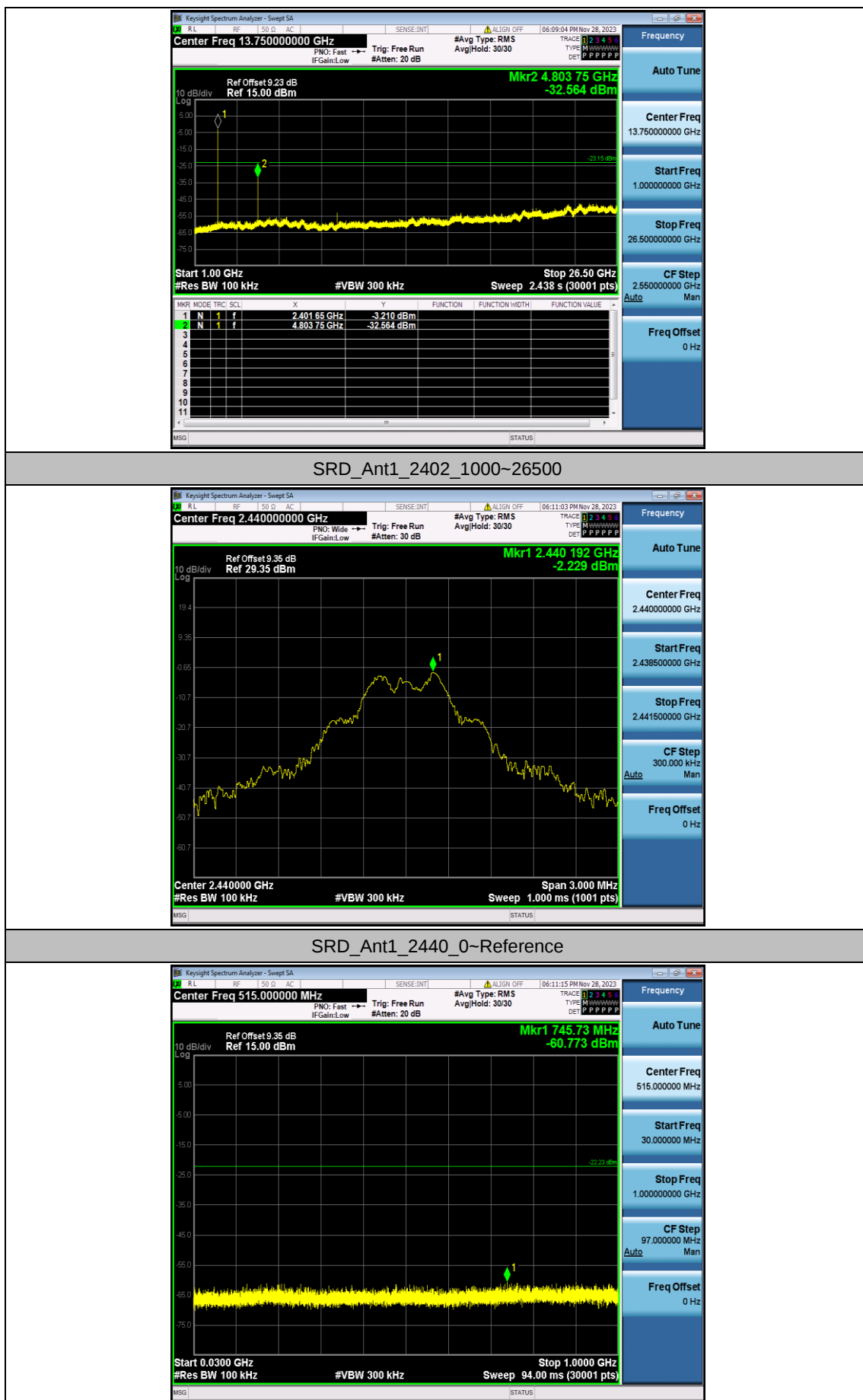
Appendix A.6: Conducted Spurious Emission

Test Result

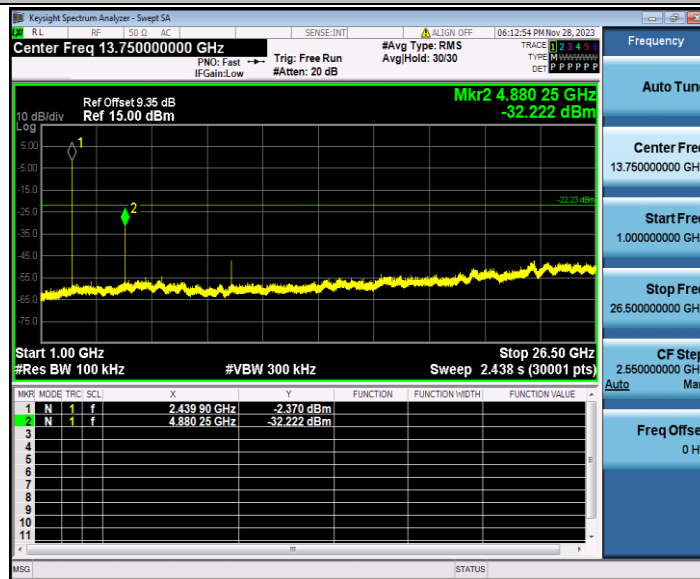
Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	2402	Reference	-3.15	-3.15	---	PASS
			30~1000	-3.15	-60.24	≤ -23.15	PASS
			1000~26500	-3.15	-32.56	≤ -23.15	PASS
		2440	Reference	-2.23	-2.23	---	PASS
			30~1000	-2.23	-60.77	≤ -22.23	PASS
			1000~26500	-2.23	-32.22	≤ -22.23	PASS
		2477.5	Reference	-2.26	-2.26	---	PASS
			30~1000	-2.26	-60.72	≤ -22.26	PASS
			1000~26500	-2.26	-32.88	≤ -22.26	PASS

Test Graphs





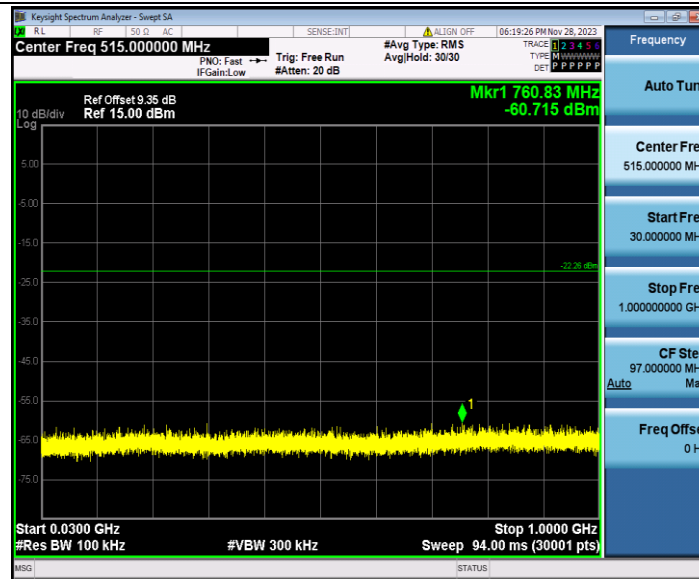
SRD_Ant1_2440_30~1000



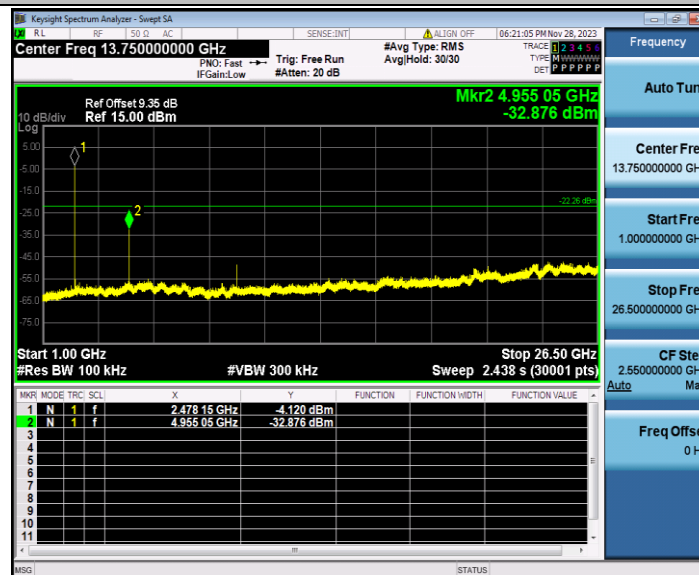
SRD_Ant1_2440_1000~26500



SRD_Ant1_2477.5_0~Reference



SRD_Ant1_2477.5_30~1000



SRD_Ant1_2477.5_1000~26500

Appendix A.7: Emissions in Restricted Bands

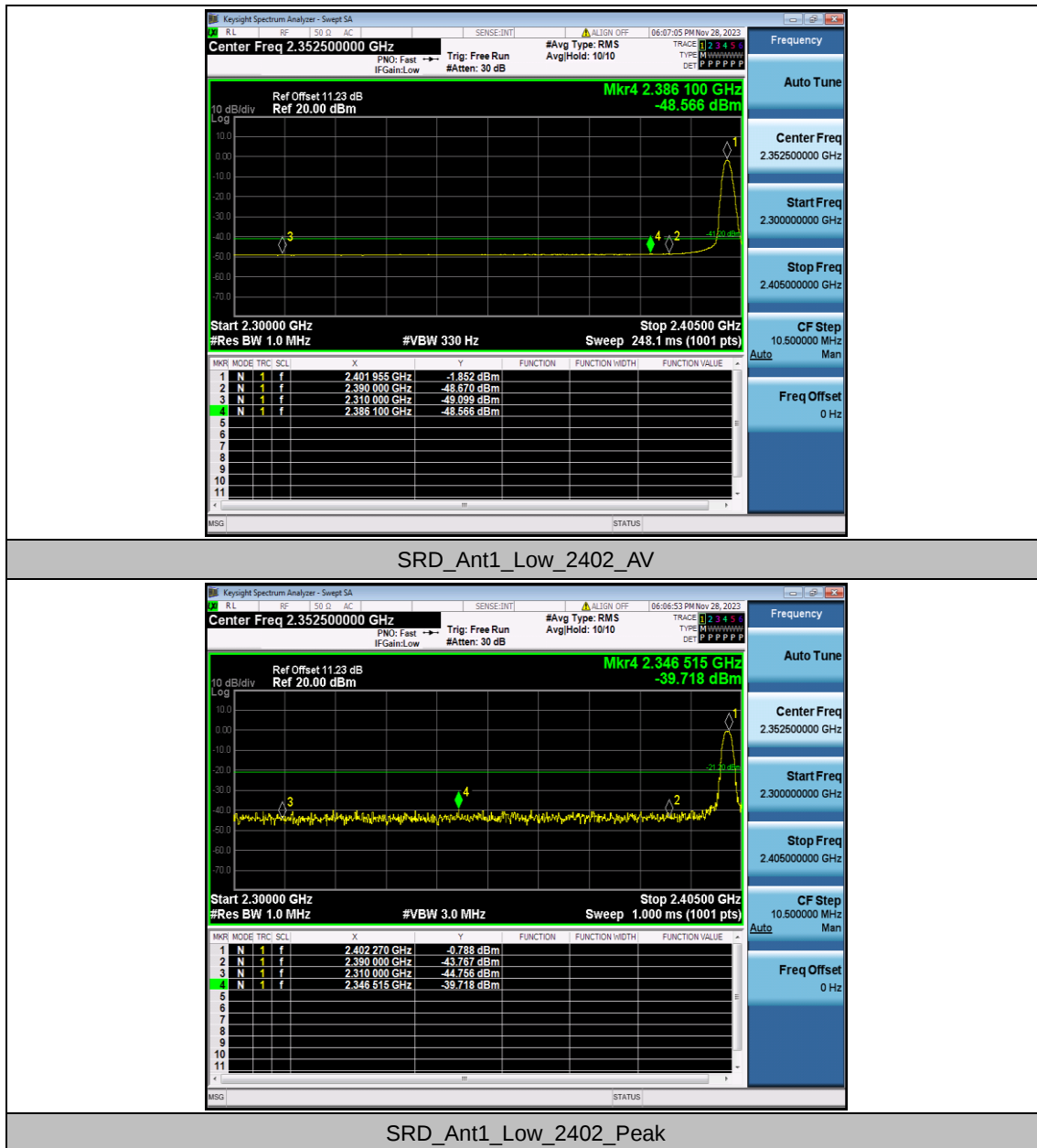
Test Result

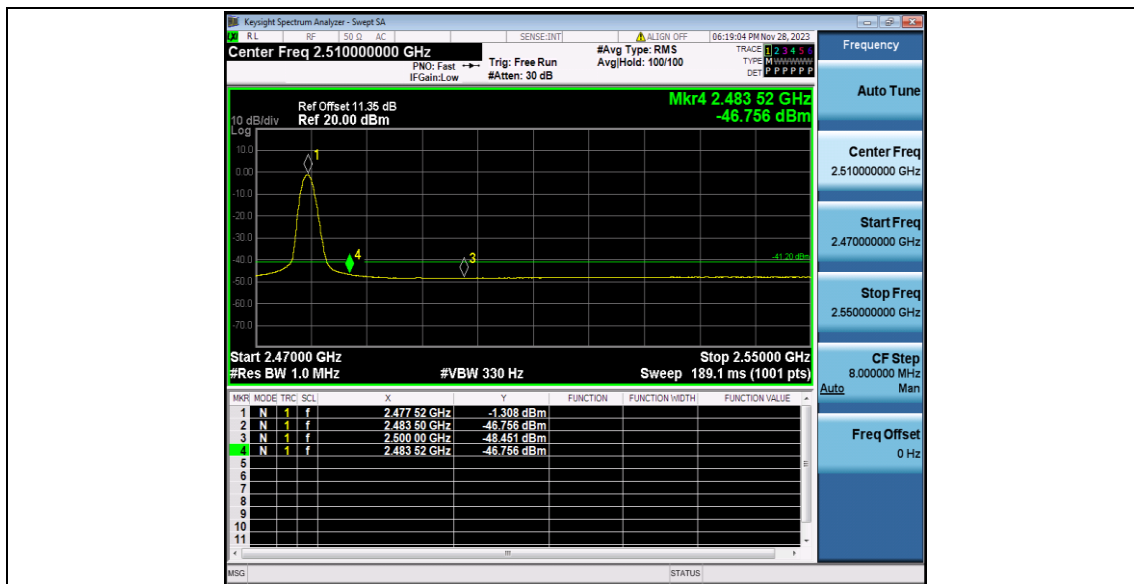
Test Mode	Antenna	ChName	Frequency [MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
SRD	Ant1	Low	2402	AV	2310.000	-49.1	≤-41.20	46.10	≤54	PASS
				AV	2386.100	-48.57	≤-41.20	46.63	≤54	PASS
				AV	2390.000	-48.67	≤-41.20	46.53	≤54	PASS
				Peak	2310.000	-44.76	≤-21.20	50.44	≤74	PASS
				Peak	2346.515	-39.72	≤-21.20	55.48	≤74	PASS
				Peak	2390.000	-43.77	≤-21.20	51.43	≤74	PASS
		High	2477.5	AV	2483.500	-46.76	≤-41.20	48.44	≤54	PASS
				AV	2483.520	-46.76	≤-41.20	48.44	≤54	PASS
				AV	2500.000	-48.45	≤-41.20	46.75	≤54	PASS
				Peak	2483.500	-39.89	≤-21.20	55.31	≤74	PASS
				Peak	2485.760	-38.23	≤-21.20	56.97	≤74	PASS
				Peak	2500.000	-41.5	≤-21.20	53.70	≤74	PASS

Note:

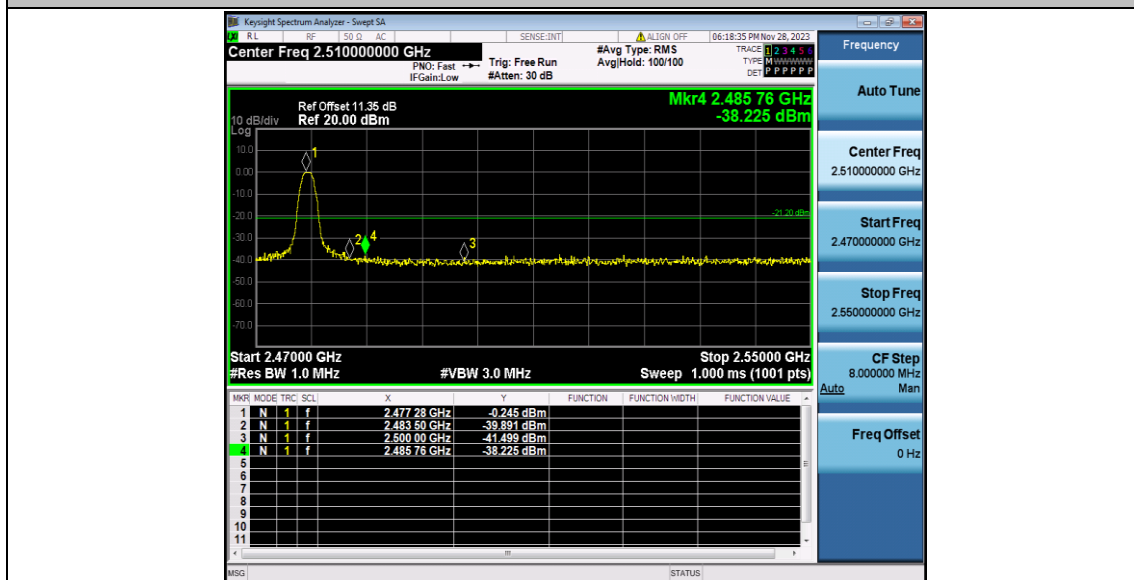
1. The Antenna Gain is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs





SRD_Ant1_High_2477.5_AV



SRD_Ant1_High_2477.5_Peak