

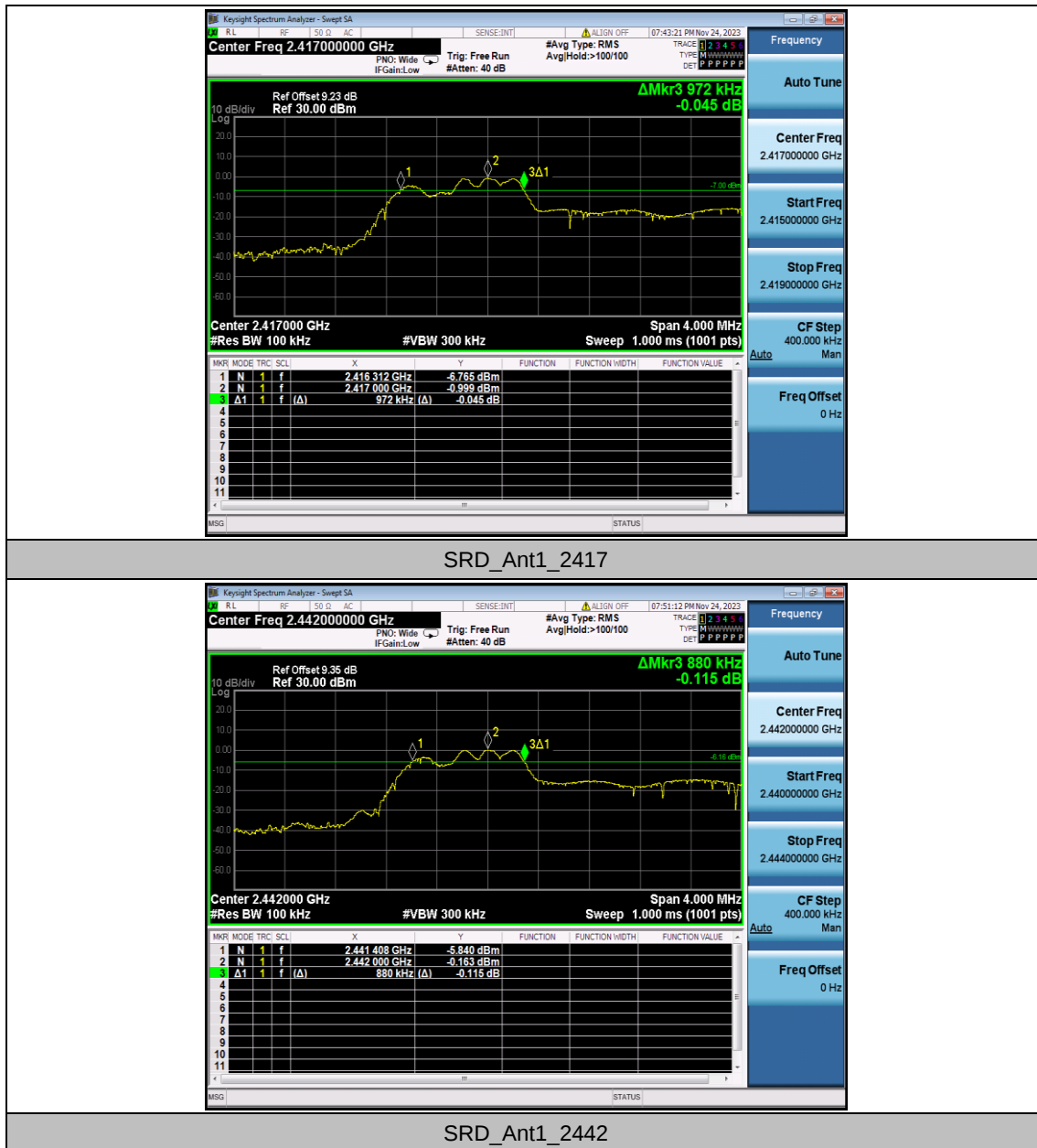
Case No. : <u>GTS20230504018-1-5</u>	
Ambient Condition: <u>24</u> °C, <u>49</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.11.24</u>	Test Engineer: <u>Evan ouyang</u>

Appendix A.1: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD	Ant1	2417	0.972	2416.312	2417.284	0.5	PASS
		2442	0.880	2441.408	2442.288	0.5	PASS
		2477.5	0.704	2477.080	2477.784	0.5	PASS

Test Graphs





SRD_Ant1_2477.5

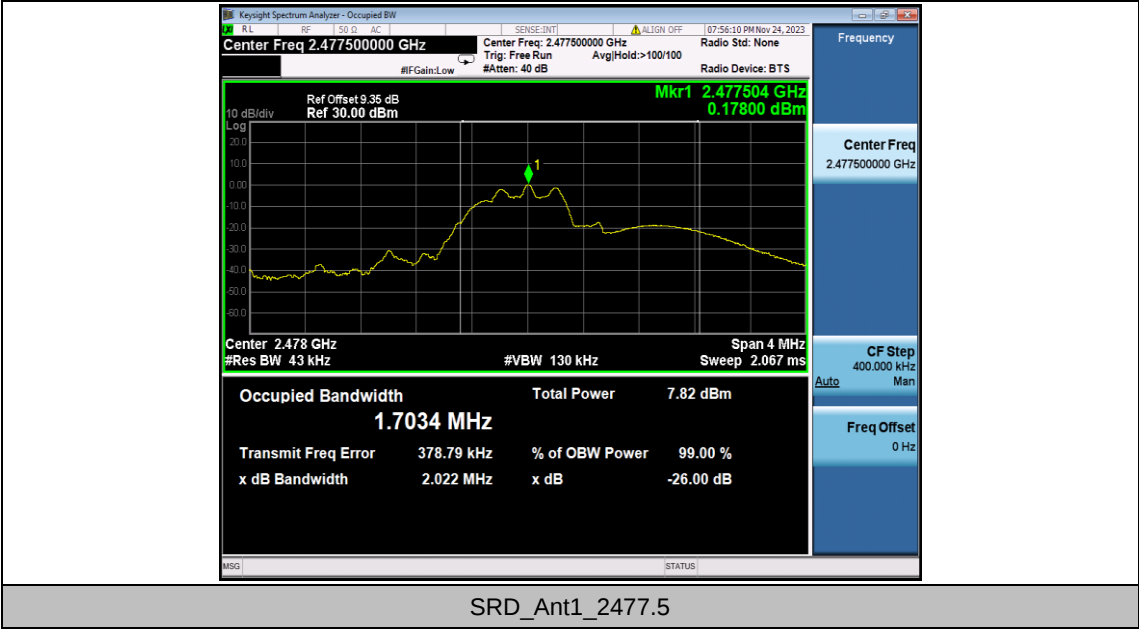
Appendix A.2: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD	Ant1	2417	2.5120	2416.241	2418.753	---	---
		2442	2.3986	2441.346	2443.745	---	---
		2477.5	1.7034	2477.027	2478.730	---	---

Test Graphs





SRD_Ant1_2477.5

Appendix A.3: Maximum conducted output power

Test Result Peak

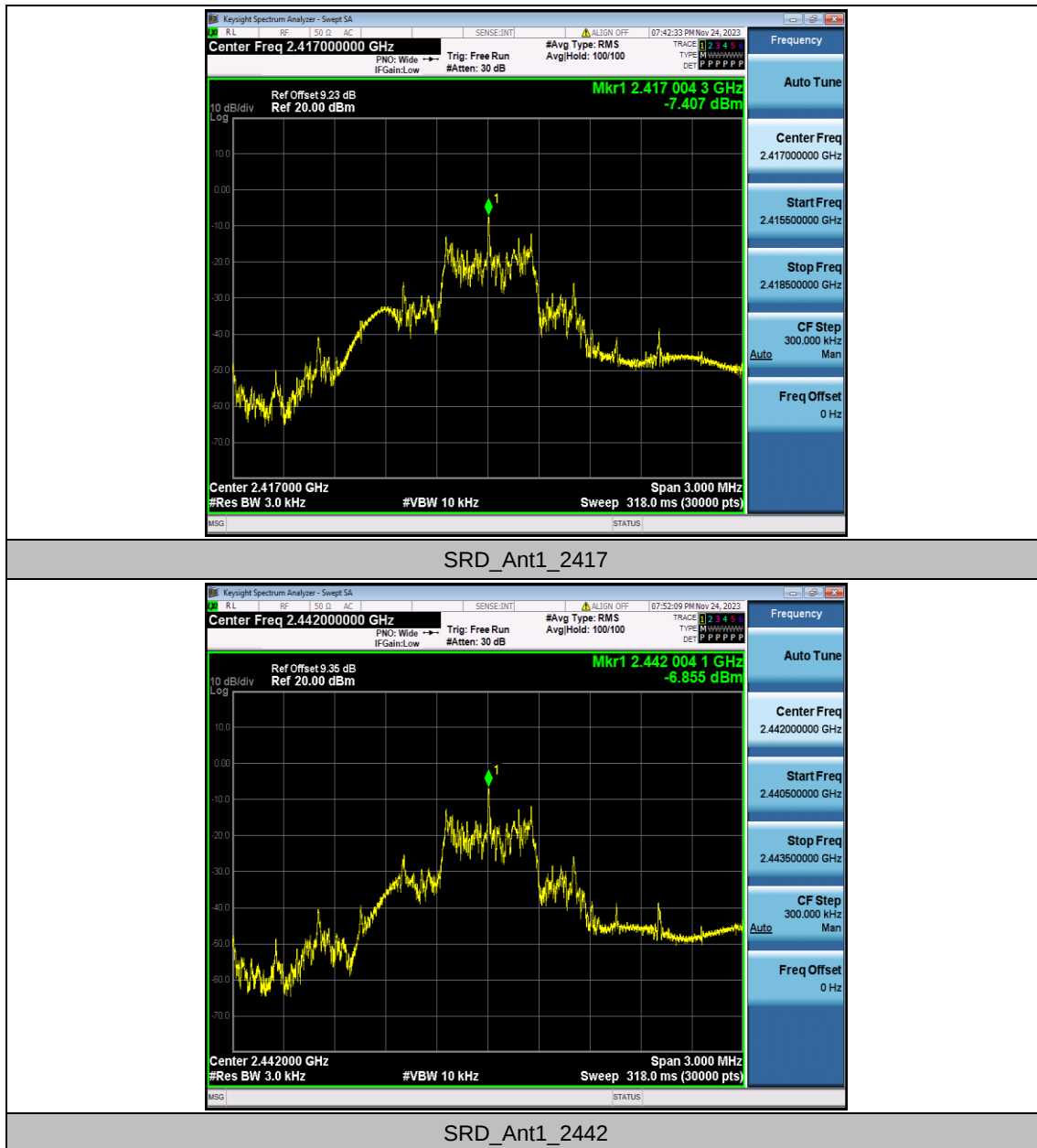
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
SRD	Ant1	2417	-0.28	≤30	PASS
		2442	0.08	≤30	PASS
		2477.5	-0.56	≤30	PASS

Appendix A.4: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
SRD	Ant1	2417	-7.41	≤8.00	PASS
		2442	-6.86	≤8.00	PASS
		2477.5	-6.51	≤8.00	PASS

Test Graphs



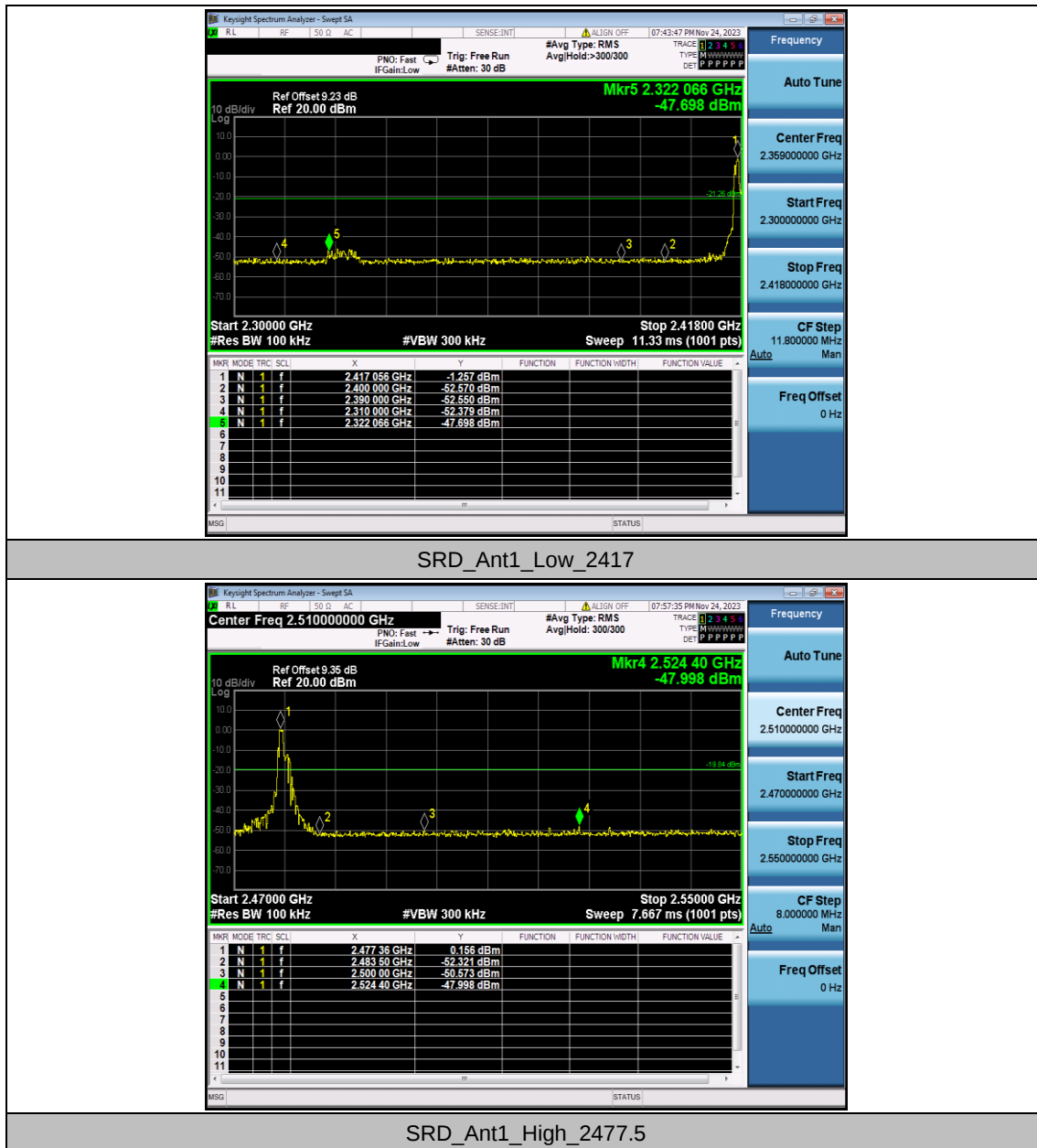


Appendix A.5: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	Low	2417	-1.26	-47.7	≤ -21.26	PASS
		High	2477.5	0.16	-48	≤ -19.84	PASS

Test Graphs

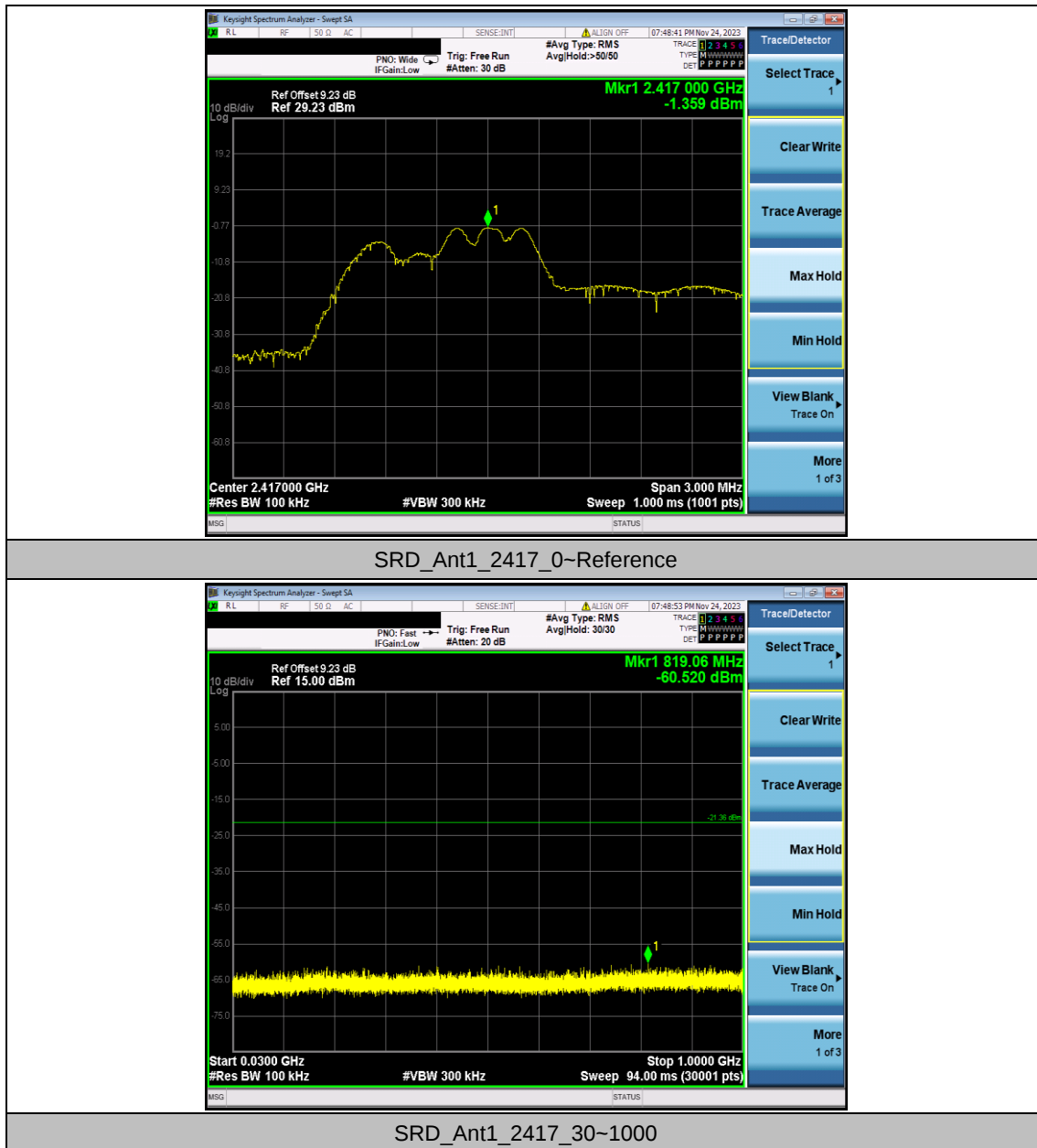


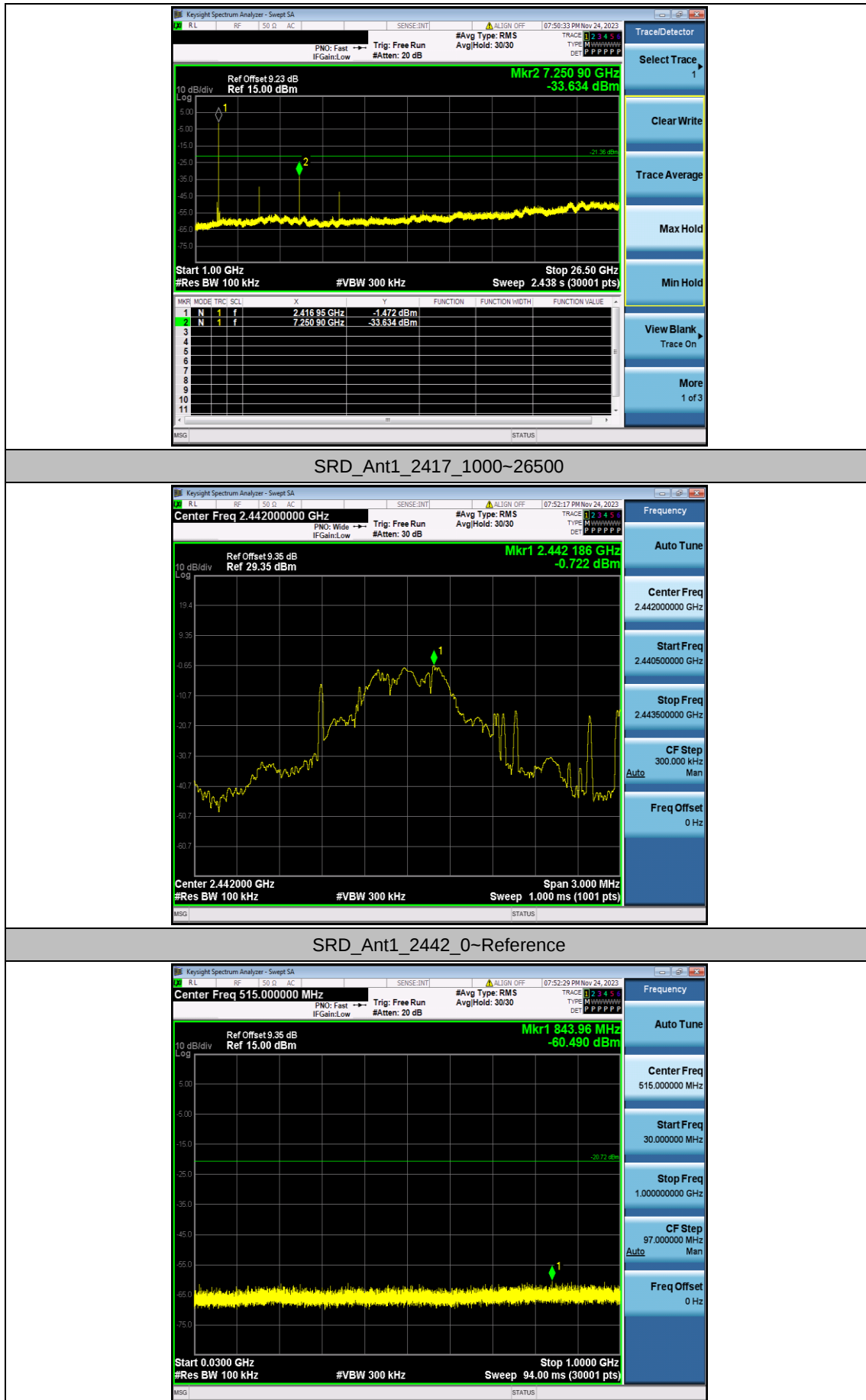
Appendix A.6: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	2417	Reference	-1.36	-1.36	---	PASS
			30~1000	-1.36	-60.52	≤ -21.36	PASS
			1000~26500	-1.36	-33.63	≤ -21.36	PASS
		2442	Reference	-0.72	-0.72	---	PASS
			30~1000	-0.72	-60.49	≤ -20.72	PASS
			1000~26500	-0.72	-30.18	≤ -20.72	PASS
		2477.5	Reference	0.10	0.10	---	PASS
			30~1000	0.10	-60.56	≤ -19.9	PASS
			1000~26500	0.10	-28.85	≤ -19.9	PASS

Test Graphs





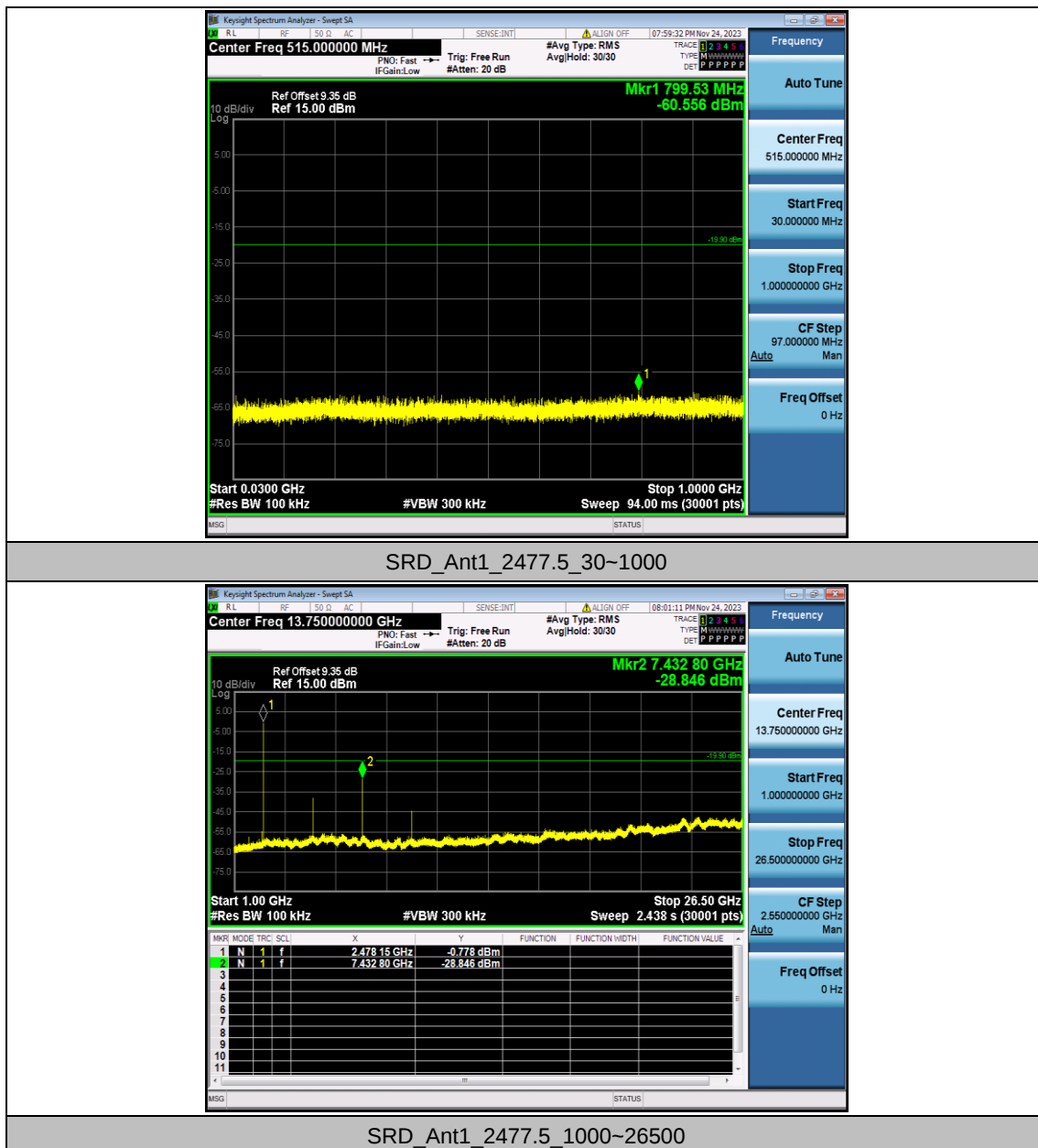
SRD_Ant1_2442_30~1000



SRD_Ant1_2442_1000~26500



SRD_Ant1_2477.5_0~Reference



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	2417	AV	2310.000	-49.06	≤-41.20	46.14	≤54	PASS
				AV	2384.016	-48.62	≤-41.20	46.58	≤54	PASS
				AV	2390.000	-48.77	≤-41.20	46.43	≤54	PASS
				Peak	2310.000	-41.95	≤-21.20	53.25	≤74	PASS
				Peak	2326.550	-35.82	≤-21.20	59.38	≤74	PASS
				Peak	2390.000	-41.66	≤-21.20	53.54	≤74	PASS
		High	2477.5	AV	2483.500	-48.19	≤-41.20	47.01	≤54	PASS
				AV	2483.600	-48.1	≤-41.20	47.10	≤54	PASS
				AV	2500.000	-48.33	≤-41.20	46.87	≤54	PASS
				Peak	2483.500	-39.94	≤-21.20	55.26	≤74	PASS
				Peak	2488.000	-38.91	≤-21.20	56.29	≤74	PASS
				Peak	2500.000	-40.09	≤-21.20	55.11	≤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

