

Case No. : <u>GTS20240806004-4-04</u>	
Ambient Condition: <u>23</u> °C, <u>52</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2024.8.19</u>	Test Engineer: <u>Evan ouyang</u>

Appendix C.1: DTS Bandwidth

Test Result

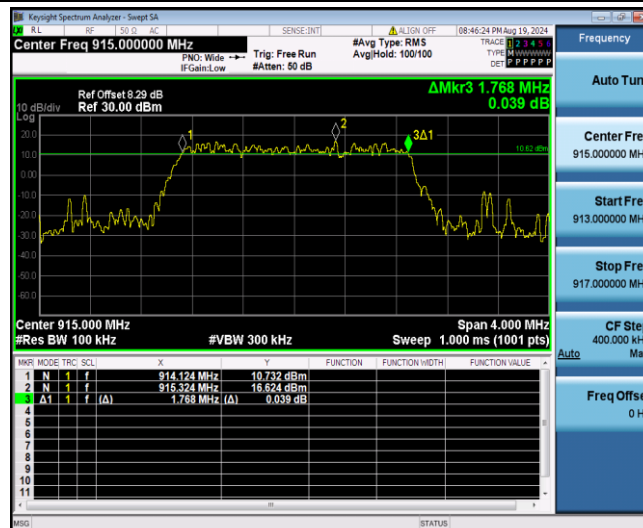
Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD	Ant1	905	1.716	904.164	905.880	0.5	PASS
		915	1.768	914.124	915.892	0.5	PASS
		925	1.744	924.108	925.852	0.5	PASS

Test Graphs

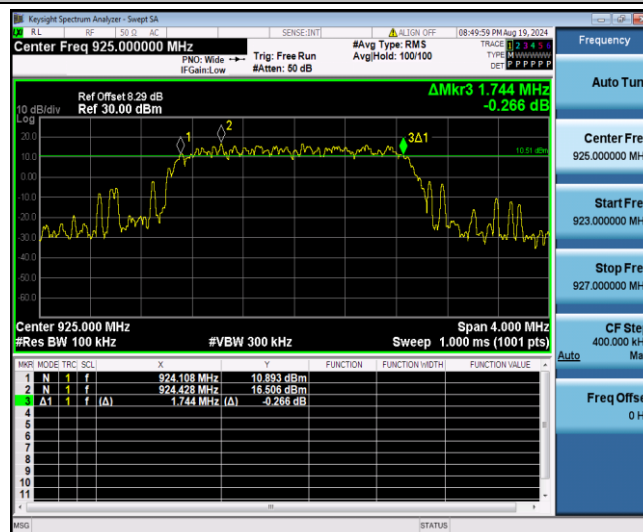
SRD_Ant1_905



SRD_Ant1_915



SRD_Ant1_925



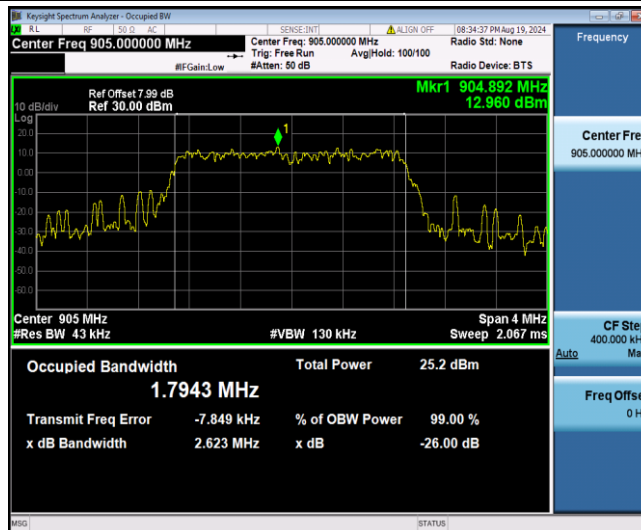
Appendix C.2: Occupied Channel Bandwidth

Test Result

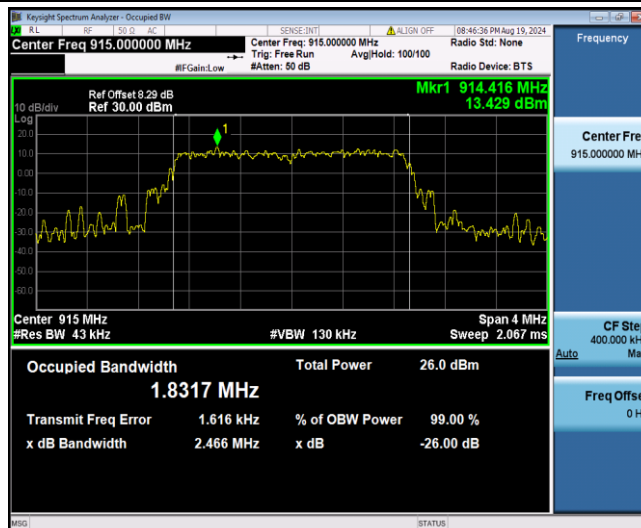
Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD	Ant1	905	1.7943	904.0950	905.8893	---	---
		915	1.8317	914.086	915.917	---	---
		925	1.8084	924.094	925.902	---	---

Test Graphs

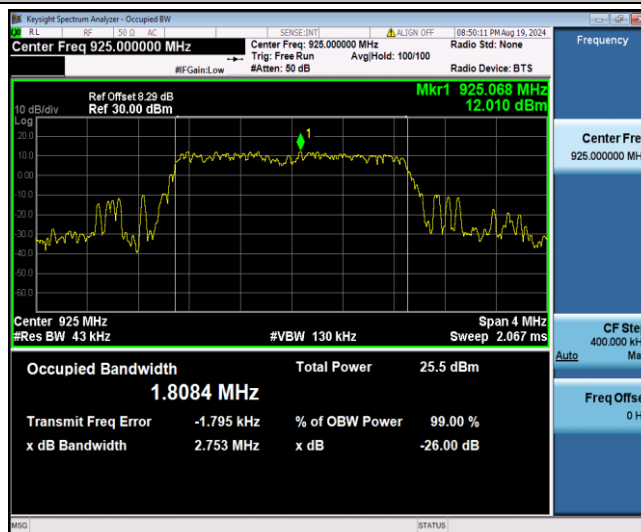
SRD_Ant1_905



SRD_Ant1_915



SRD_Ant1_925



Appendix C.3: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
SRD	Ant1	905	29.06	≤30	PASS
		915	28.60	≤30	PASS
		925	29.79	≤30	PASS

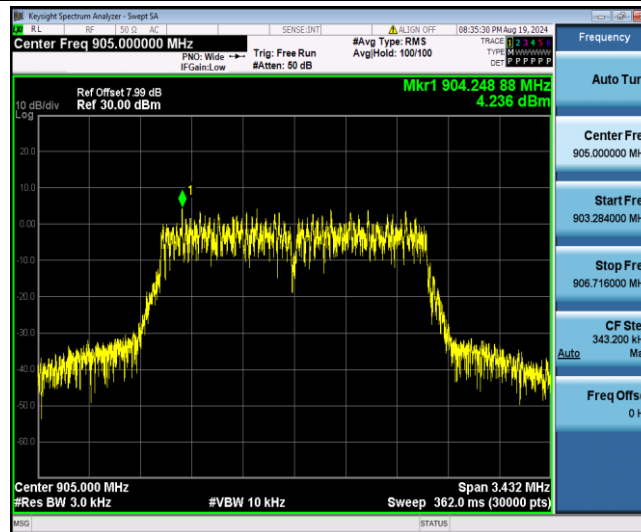
Appendix C.4: Maximum power spectral density

Test Result

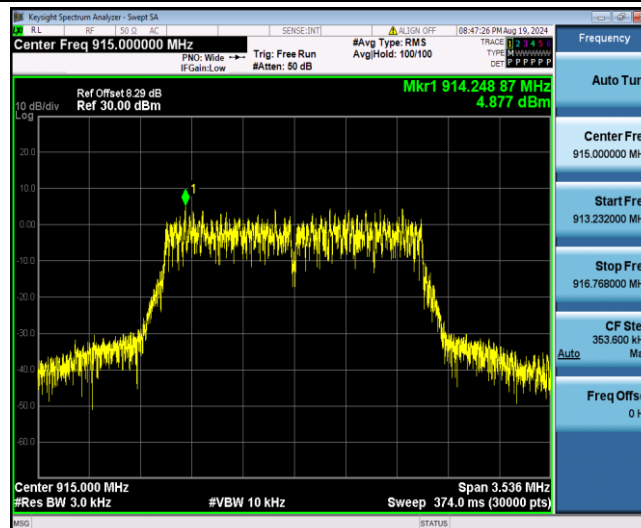
Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
SRD	Ant1	905	4.24	≤8.00	PASS
		915	4.88	≤8.00	PASS
		925	4.68	≤8.00	PASS

Test Graphs

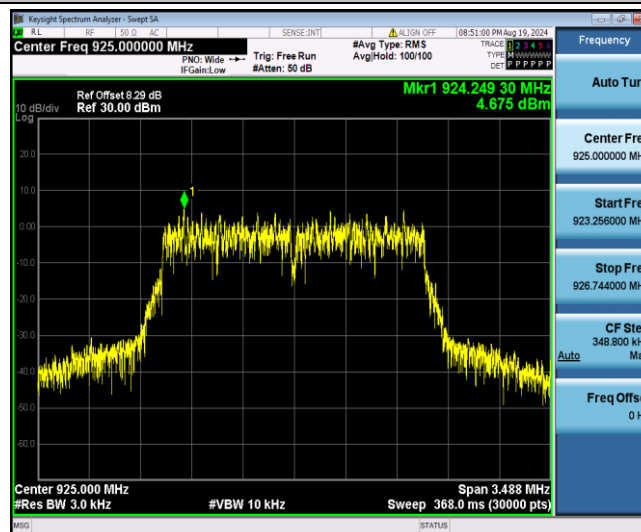
SRD_Ant1_905



SRD_Ant1_915



SRD_Ant1_925



Appendix C.5: Band edge measurements

Test Result

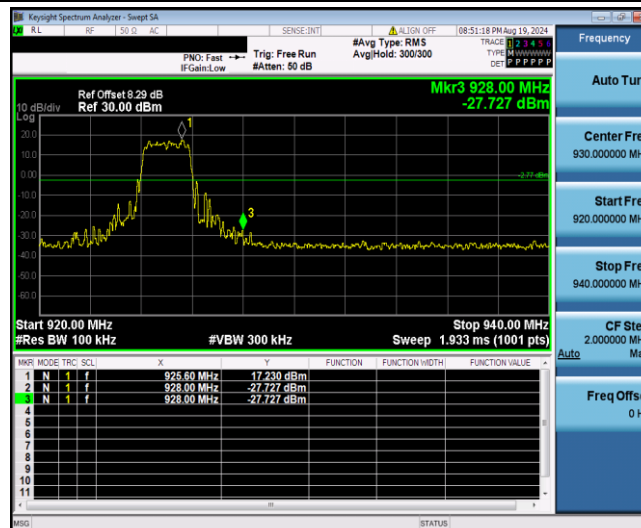
Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	Low	905	18.26	-26.61	≤ -1.74	PASS
		High	925	17.23	-27.73	≤ -2.77	PASS

Test Graphs

SRD_Ant1_Low_905



SRD_Ant1_High_925



Appendix C.6: Conducted Spurious Emission

Test Result

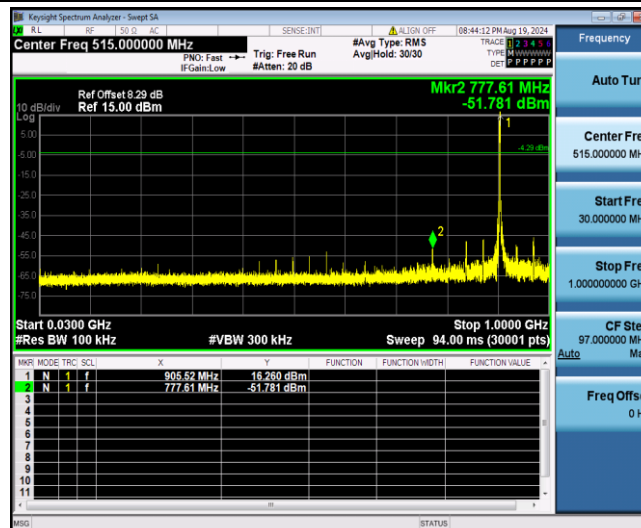
Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	905	Reference	15.71	15.71	---	PASS
			30~1000	15.71	-51.78	≤ -4.29	PASS
			1000~26500	15.71	-41.62	≤ -4.29	PASS
		915	Reference	16.08	16.08	---	PASS
			30~1000	16.08	-53.35	≤ -3.92	PASS
			1000~26500	16.08	-39.21	≤ -3.92	PASS
		925	Reference	16.85	16.85	---	PASS
			30~1000	16.85	-48.64	≤ -3.15	PASS
			1000~26500	16.85	-38.03	≤ -3.15	PASS

Test Graphs

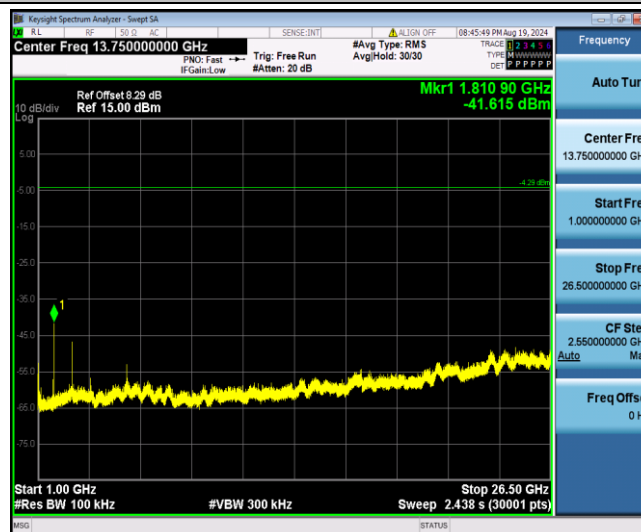
SRD_Ant1_905_0~Reference



SRD_Ant1_905_30~1000



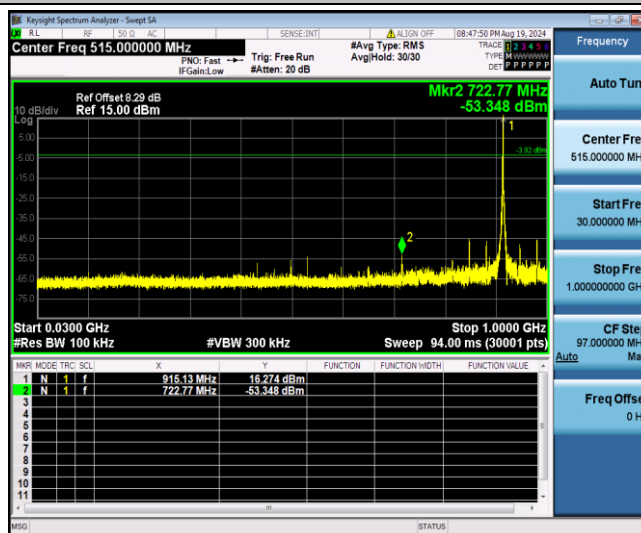
SRD_Ant1_905_1000~26500



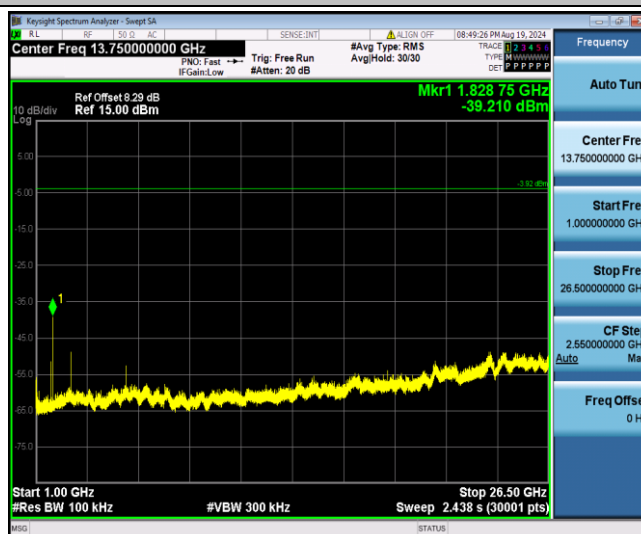
SRD_Ant1_915_0~Reference



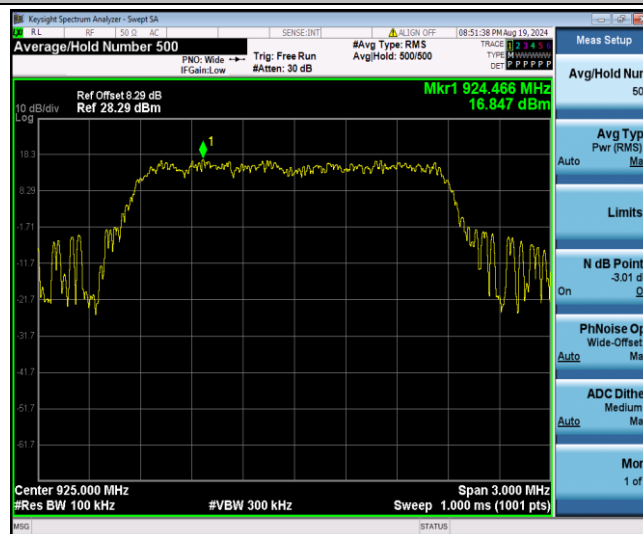
SRD_Ant1_915_30~1000



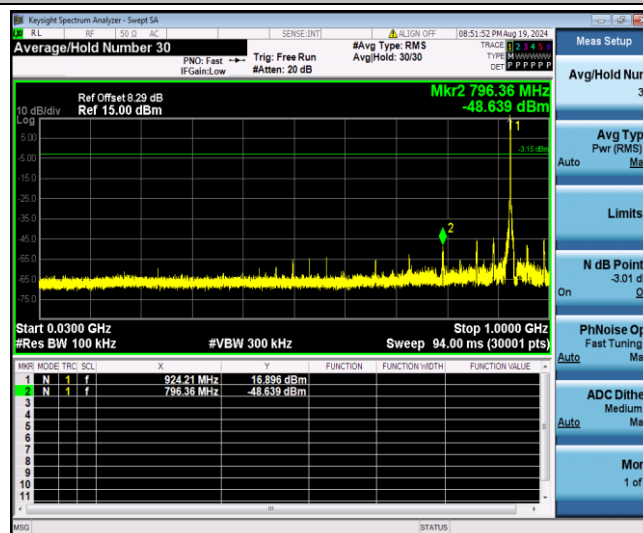
SRD_Ant1_915_1000~26500



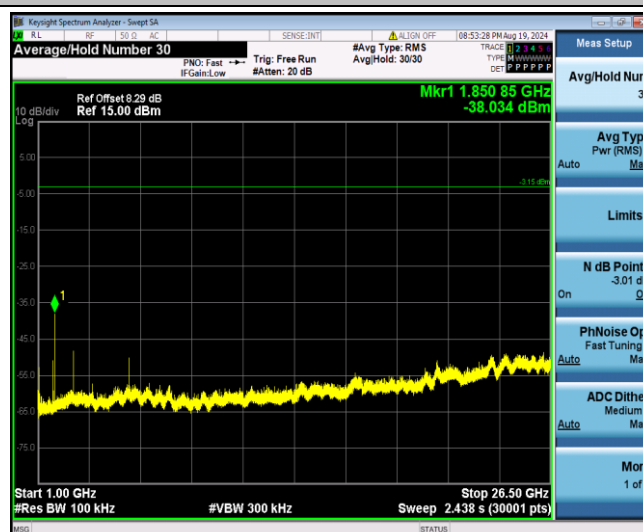
SRD_Ant1_925_0~Reference



SRD_Ant1_925_30~1000



SRD_Ant1_925_1000~26500



Appendix C.7: Emissions in Restricted Bands

Test Result

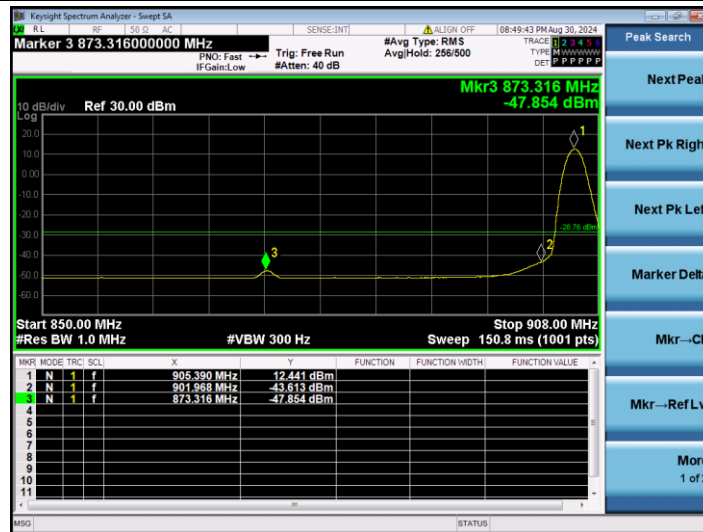
TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
SRD	Ant1	Low	850	AV	873.316	-47.85	≤-41.20	47.35	≤54	PASS
				AV	901.968	-43.61	≤-41.20	51.59	≤54	PASS
				Peak	872.968	-40.37	≤-21.20	54.83	≤74	PASS
				Peak	902.432	-34.10	≤-21.20	61.1	≤74	PASS
		High	930	AV	931.09	-48.39	≤-41.20	46.81	≤54	PASS
				AV	957.60	-50.43	≤-41.20	44.77	≤54	PASS
				Peak	928.70	-28.76	≤-21.20	66.44	≤74	PASS
				Peak	956.80	-31.47	≤-21.20	63.73	≤74	PASS

Note:

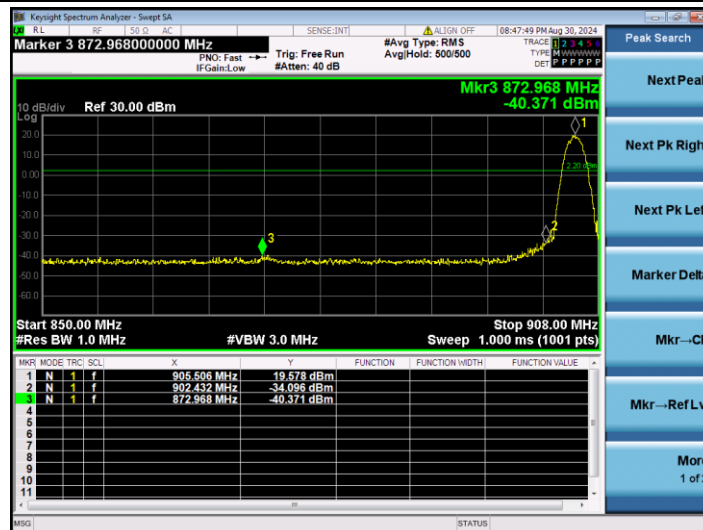
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

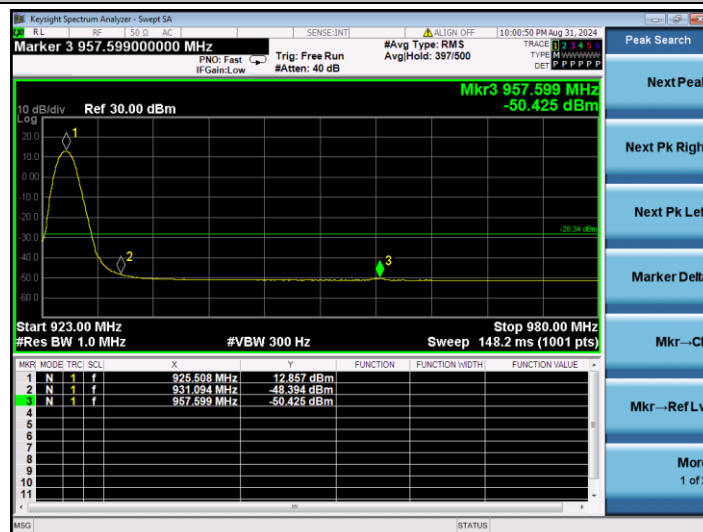
SRD_Ant1_Low_850_AV



SRD_Ant1_Low_850_Peak



SRD_Ant1_Low_923_AV



SRD_Ant1_Low_923_Peak

