



Appendix A

RF Test Data for 2.4G (Conducted Measurement)

Product Name: Wireless Microphone

Test Model: M6

Environmental Conditions

Temperature:	23.8 ° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Nick Peng Nick Peng
Supervised by:	Li Huan Li Huan





A.1 20dB Emission Bandwidth

Test Result

Test Mode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Verdict
DH5	Ant1	2402	1.089	2401.520	2402.609	---
		2441	1.095	2440.517	2441.612	---
		2480	1.122	2479.514	2480.636	---
2DH5	Ant1	2402	1.803	2401.202	2403.005	---
		2441	1.458	2440.370	2441.828	---
		2480	1.659	2479.244	2480.903	---
3DH5	Ant1	2402	1.590	2401.250	2402.840	---
		2441	1.650	2440.253	2441.903	---
		2480	1.689	2479.220	2480.909	---

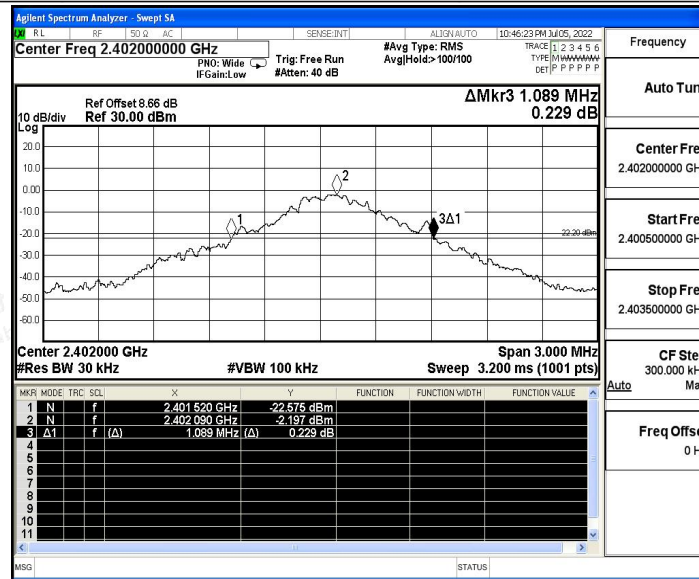


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Scan code to check authenticity

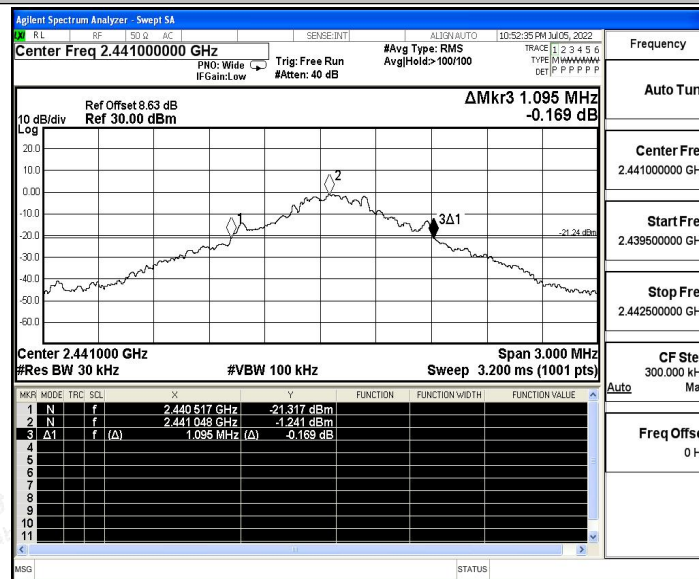


Test Graphs

DH5_Ant1_2402

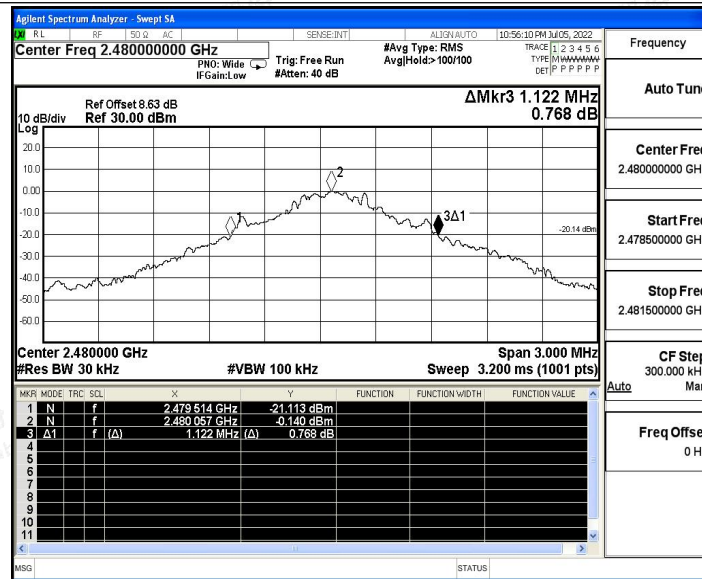


DH5_Ant1_2441

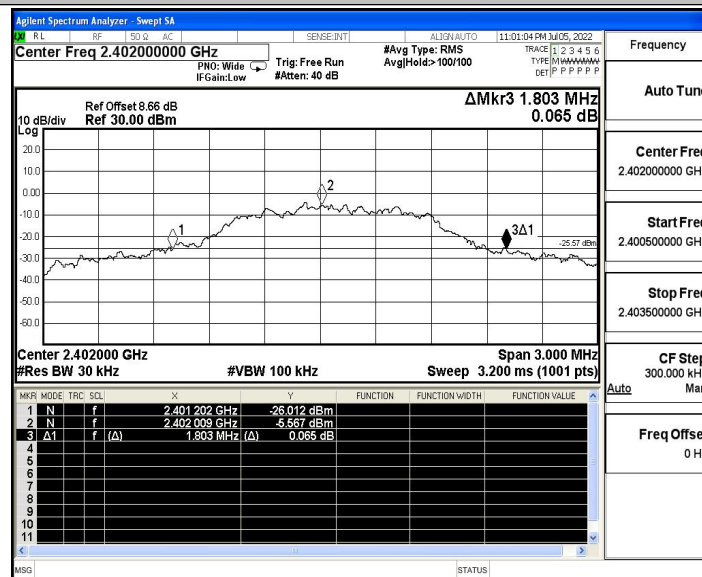


DH5_Ant1_2480



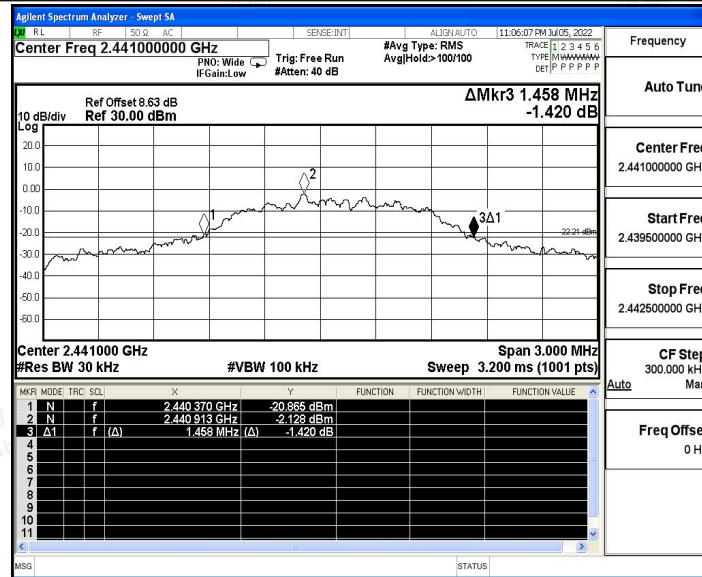


2DH5_Ant1_2402

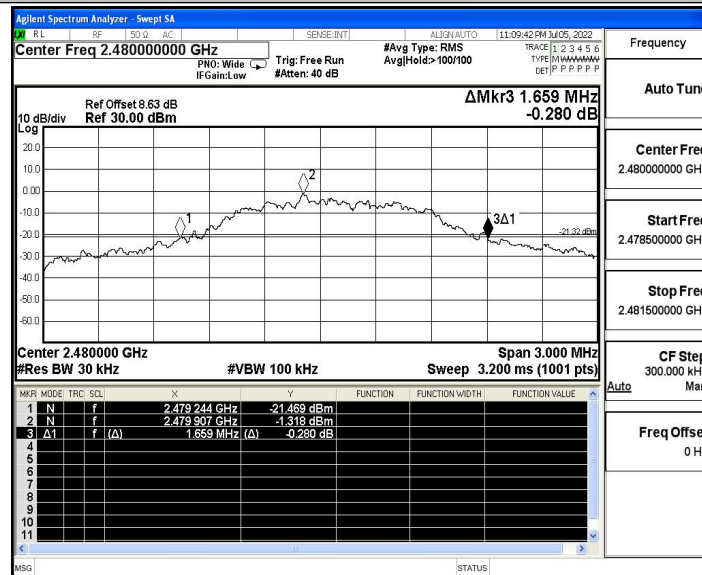


2DH5_Ant1_2441



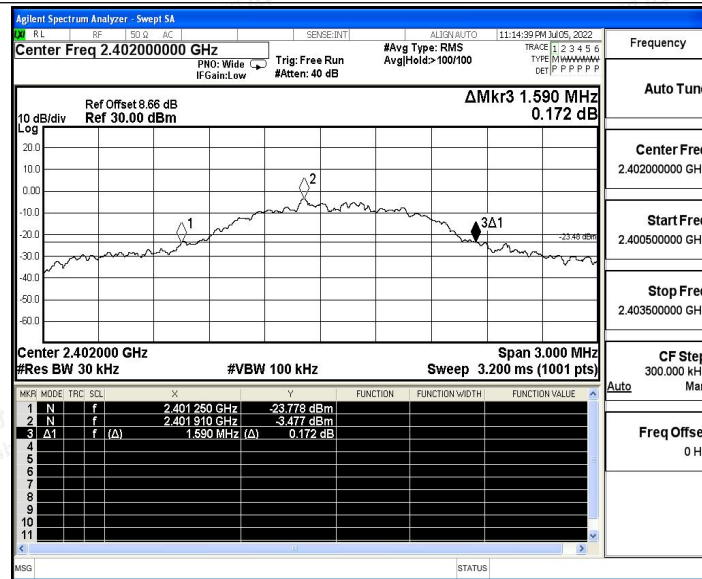


2DH5_Ant1_2480

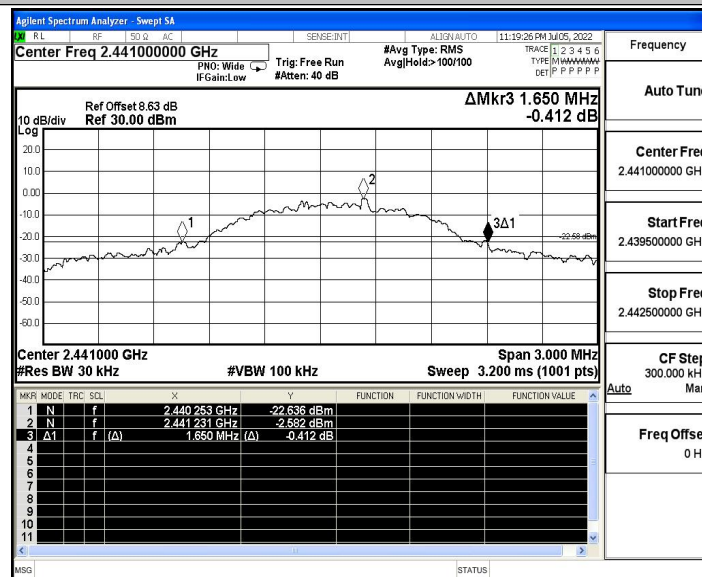


3DH5_Ant1_2402



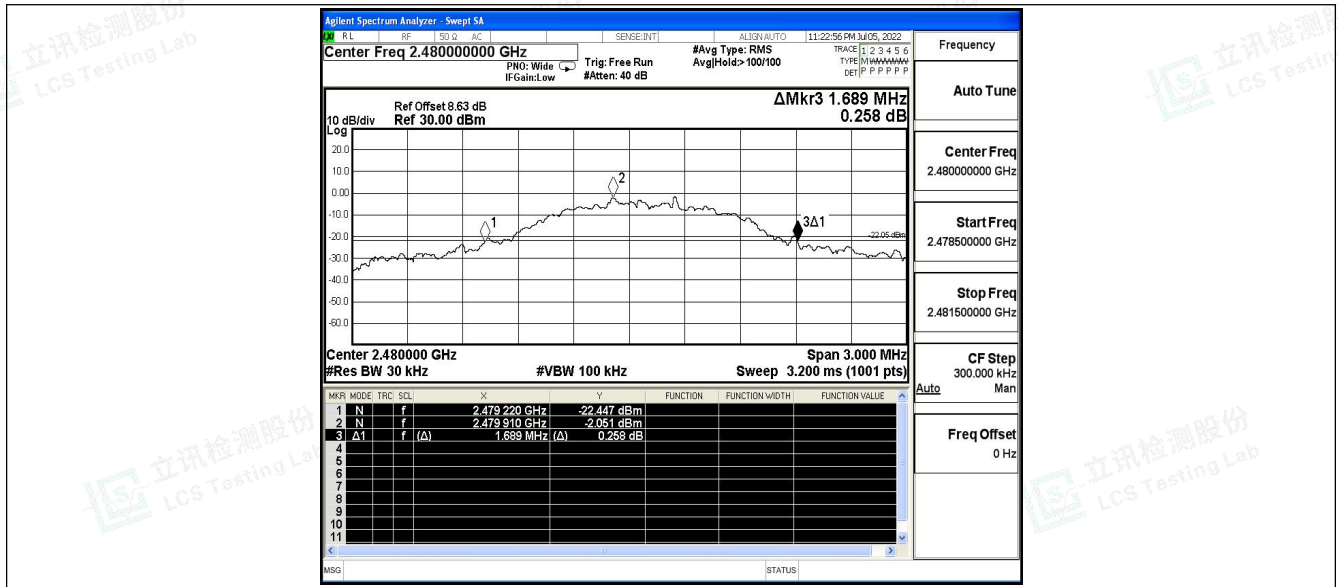


3DH5_Ant1_2441



3DH5_Ant1_2480







A.2 Maximum peak conducted output power

Test Result

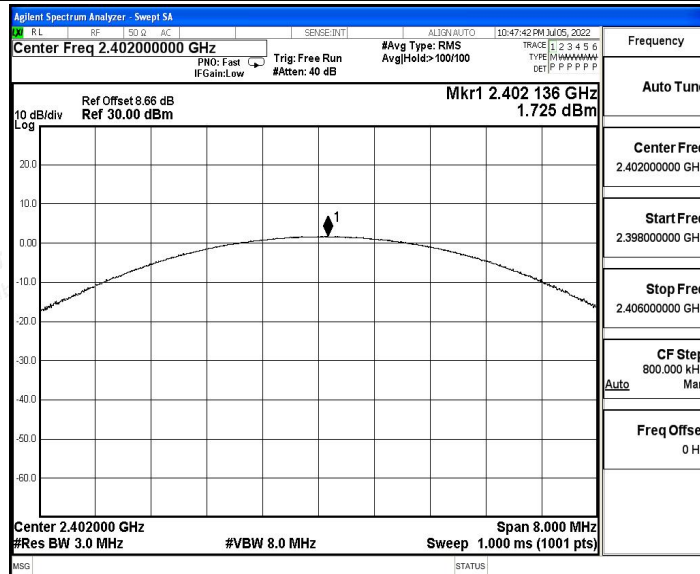
Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	1.73	≤20.97	PASS
		2441	2.64	≤20.97	PASS
		2480	3.51	≤20.97	PASS
2DH5	Ant1	2402	2.08	≤20.97	PASS
		2441	2.88	≤20.97	PASS
		2480	3.78	≤20.97	PASS
3DH5	Ant1	2402	2.03	≤20.97	PASS
		2441	2.79	≤20.97	PASS
		2480	3.8	≤20.97	PASS



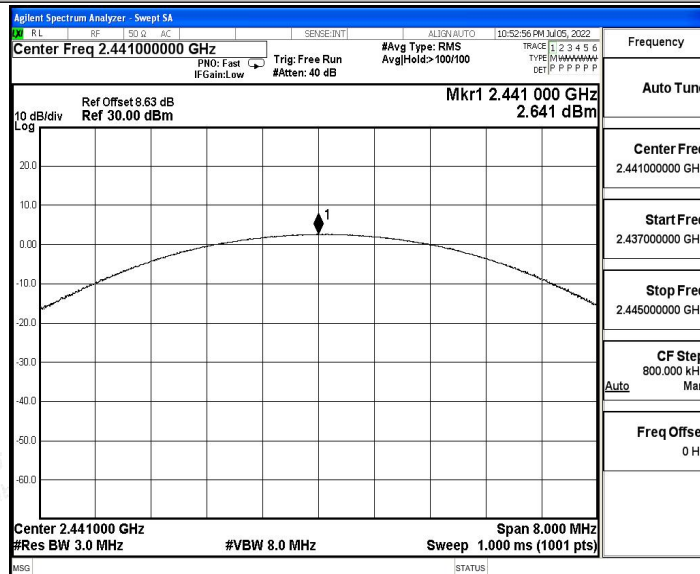


Test Graphs

DH5_Ant1_2402

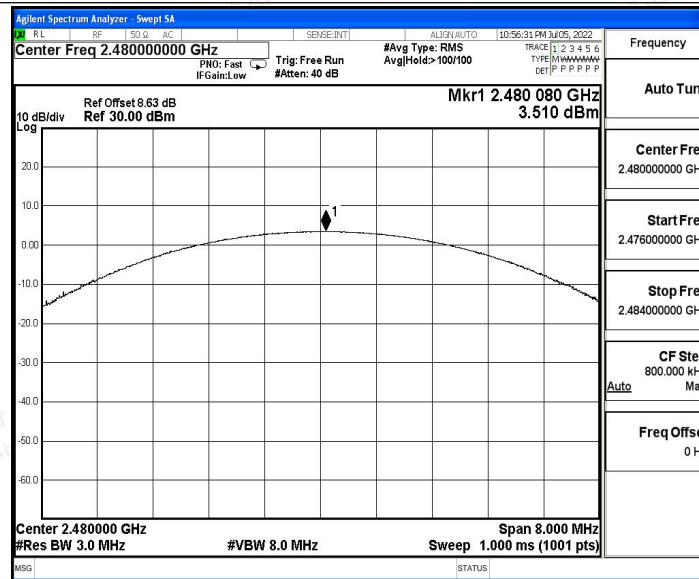


DH5_Ant1_2441

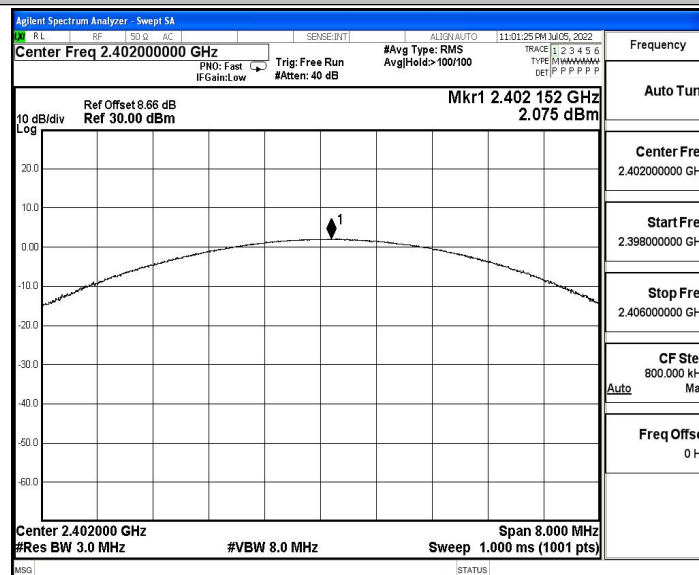


DH5_Ant1_2480



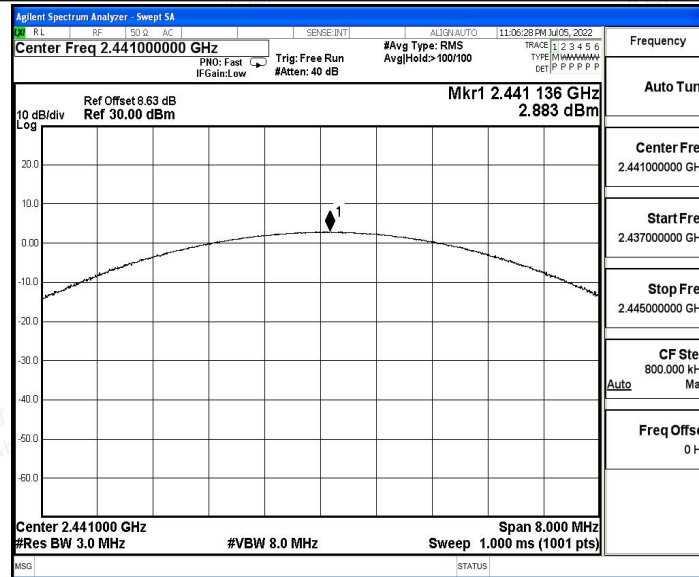


2DH5_Ant1_2402

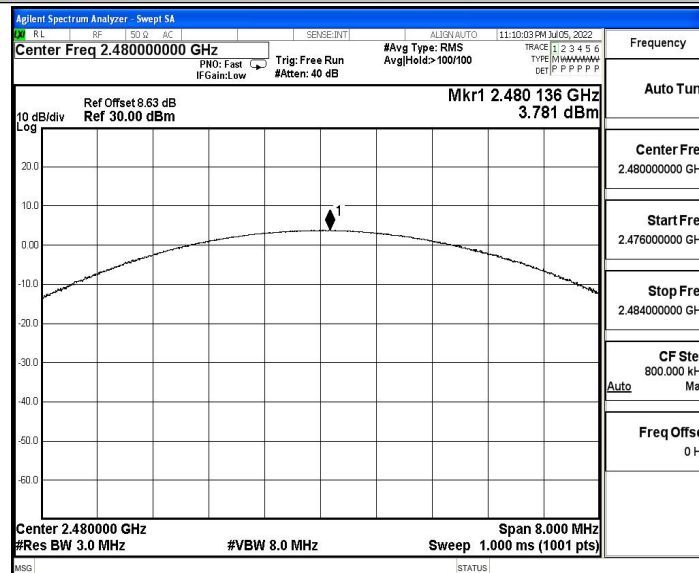


2DH5_Ant1_2441



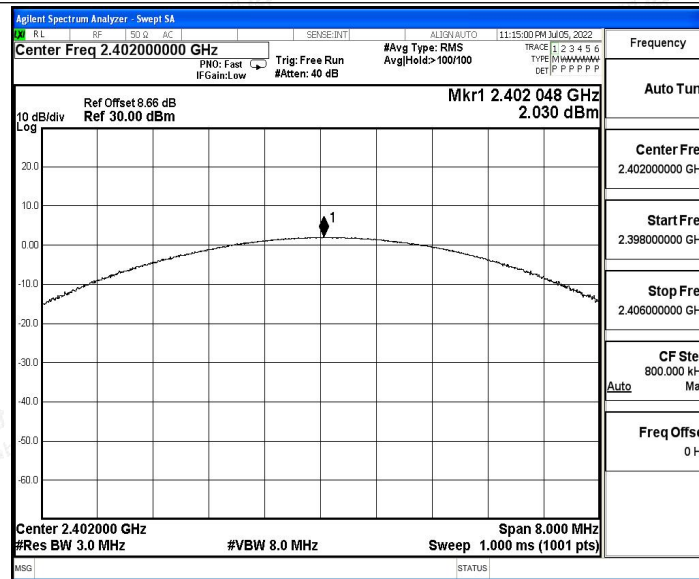


2DH5_Ant1_2480

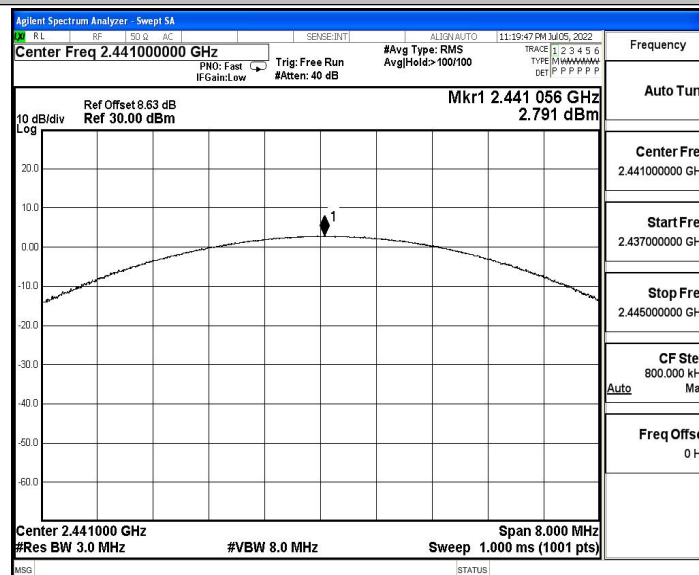


3DH5_Ant1_2402



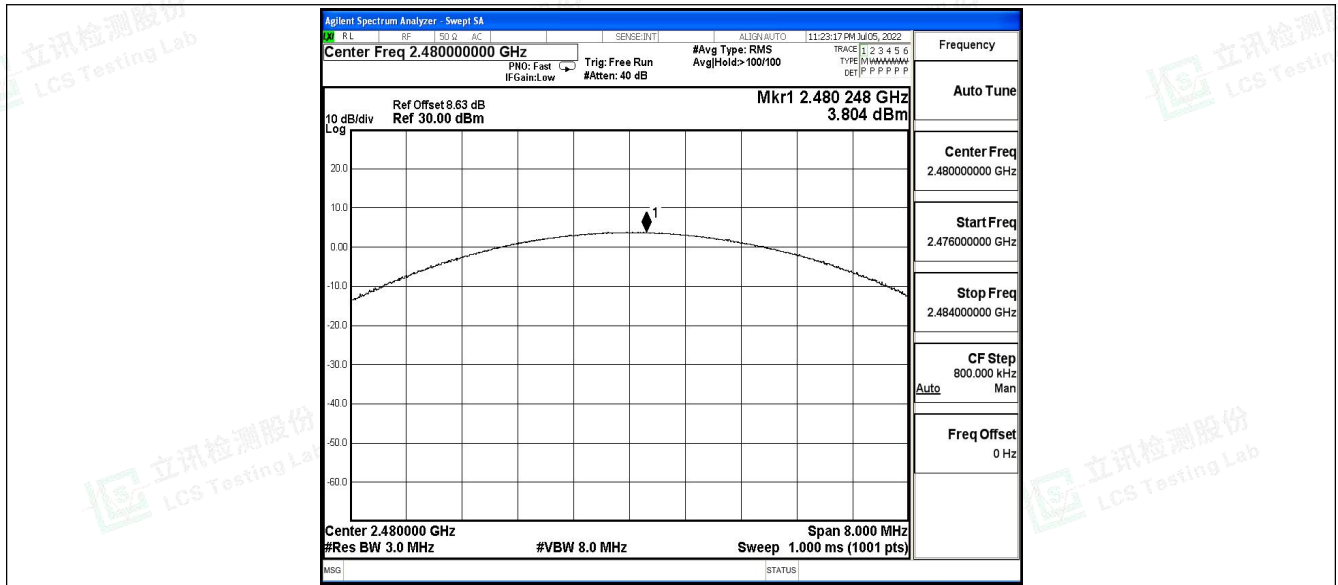


3DH5_Ant1_2441



3DH5_Ant1_2480







A.3 Carrier frequency separation

Test Result

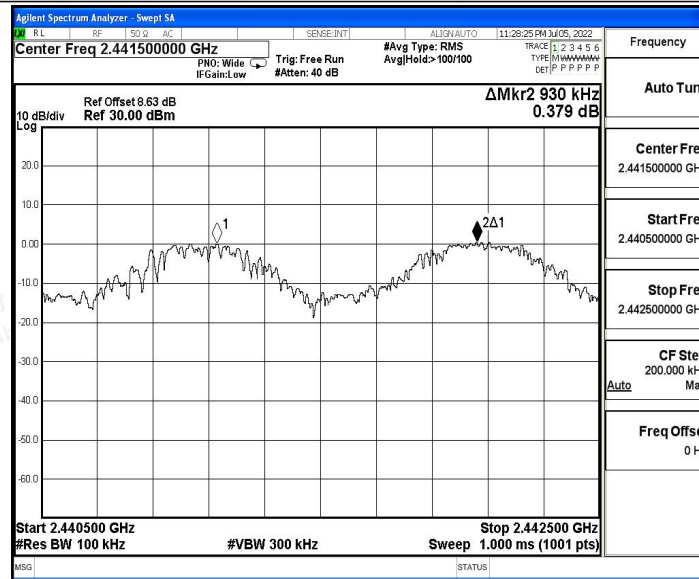
Test Mode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.93	≥0.748	PASS
2DH5	Ant1	Hop	1.234	≥1.202	PASS
3DH5	Ant1	Hop	1.16	≥1.126	PASS



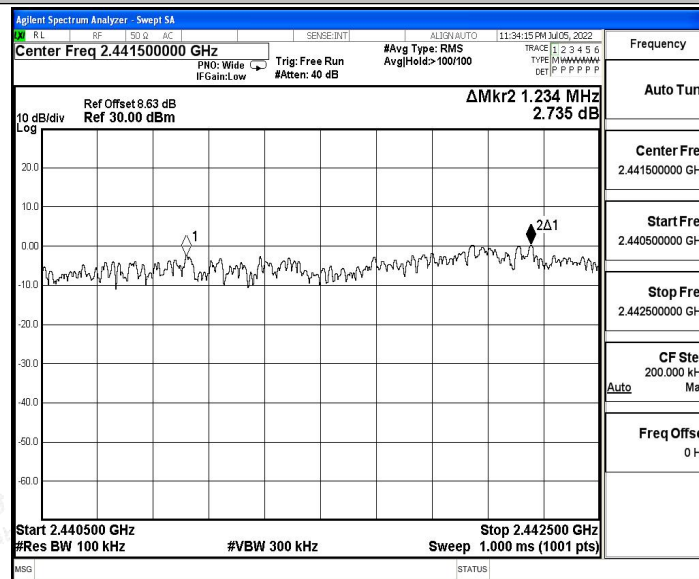


Test Graphs

DH5_Ant1_Hop

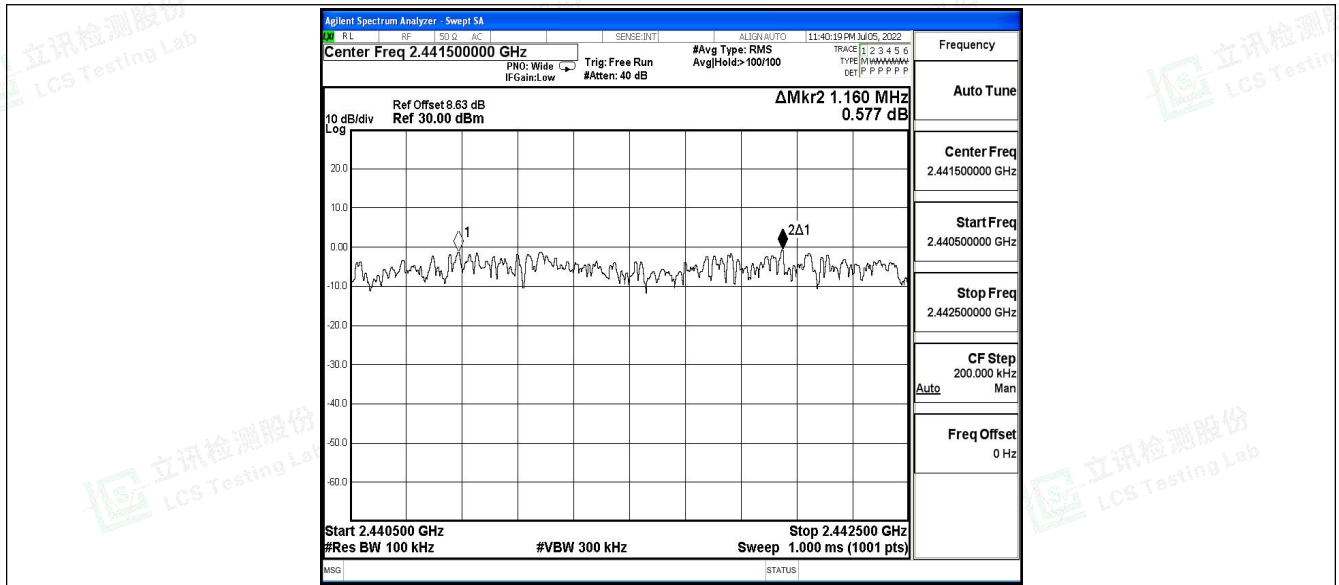


2DH5_Ant1_Hop



3DH5_Ant1_Hop







A.4 Time of occupancy

Test Result

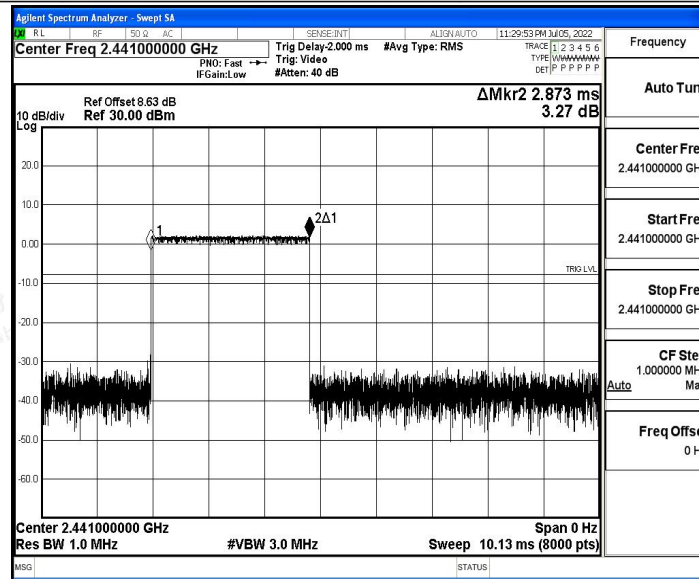
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.87	106.67	0.306	≤0.4	PASS
2DH5	Ant1	Hop	2.88	106.67	0.307	≤0.4	PASS
3DH5	Ant1	Hop	2.88	106.67	0.307	≤0.4	PASS



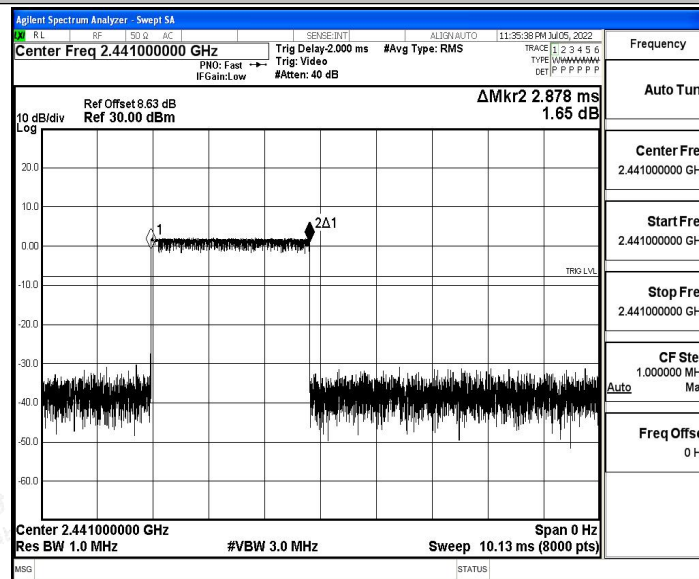


Test Graphs

DH5_Ant1_Hop

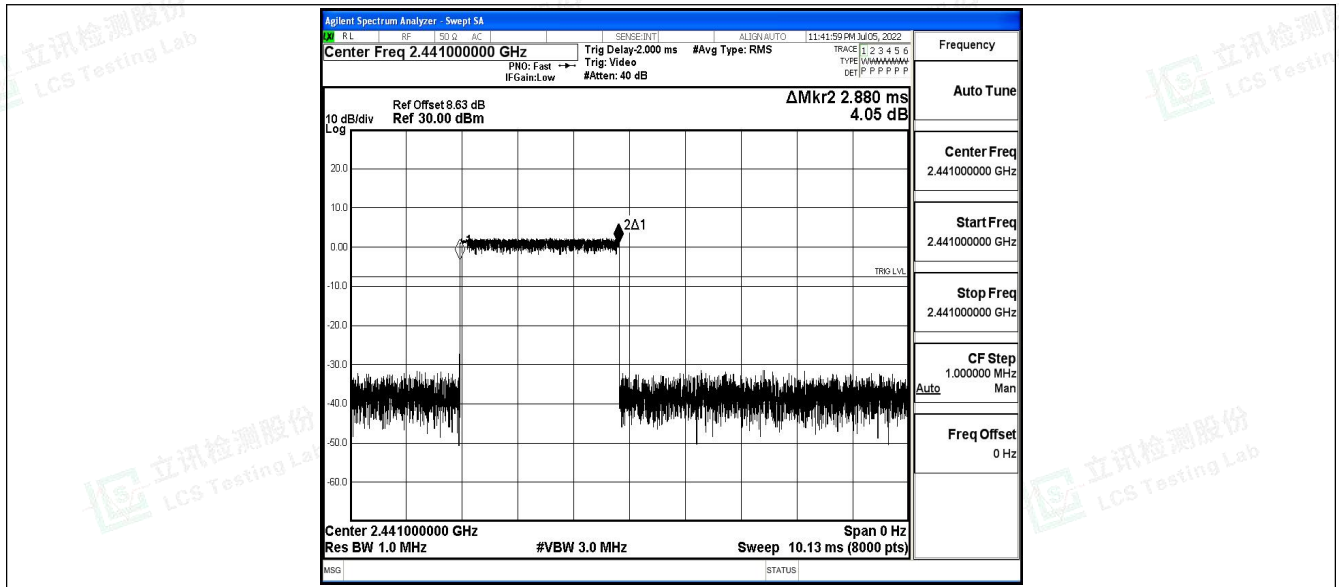


2DH5_Ant1_Hop



3DH5_Ant1_Hop







A.5 Number of hopping channels

Test Result

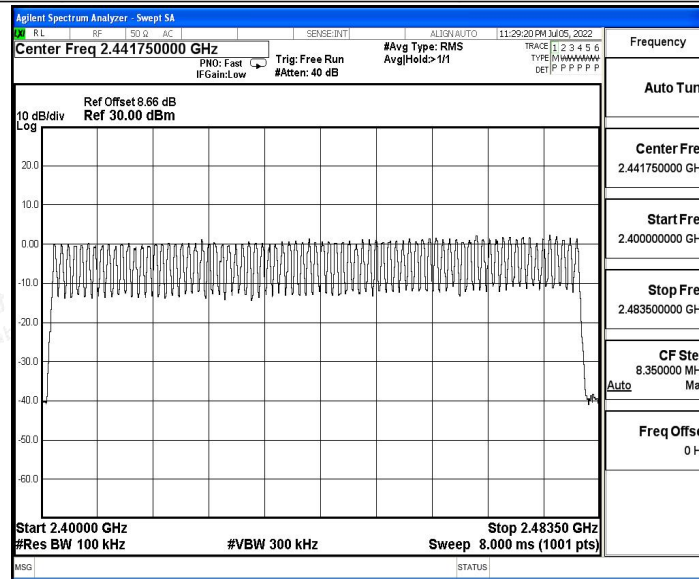
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS



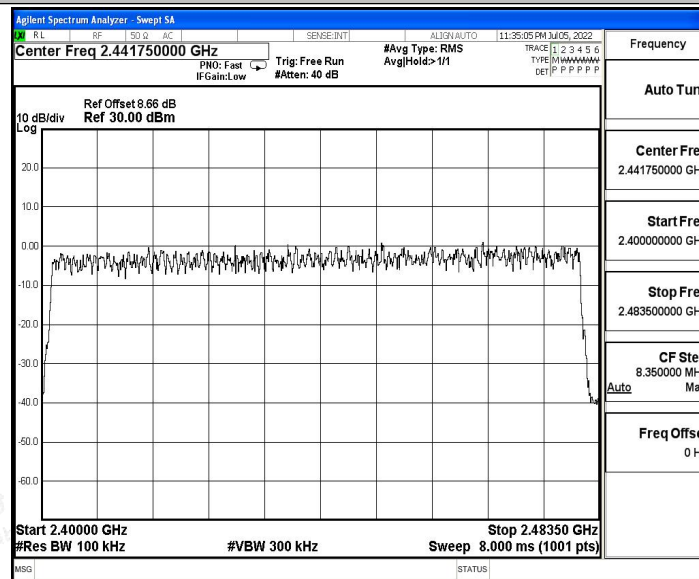


Test Graphs

DH5_Ant1_Hop

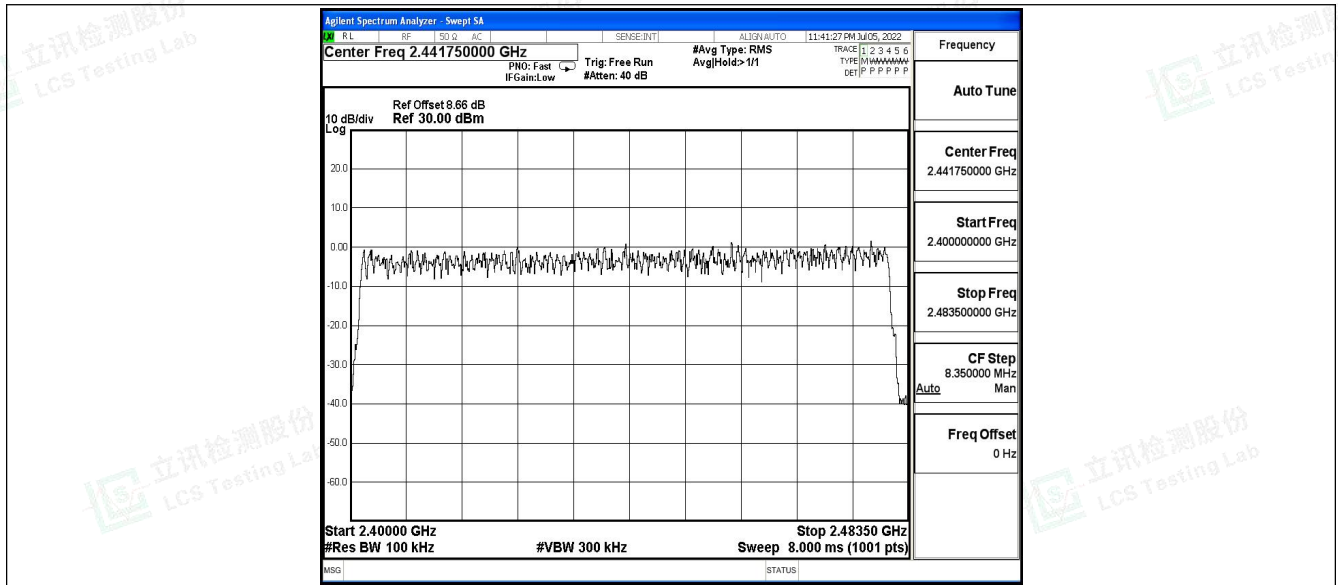


2DH5_Ant1_Hop



3DH5_Ant1_Hop







A.6 Band edge measurements

Test Result

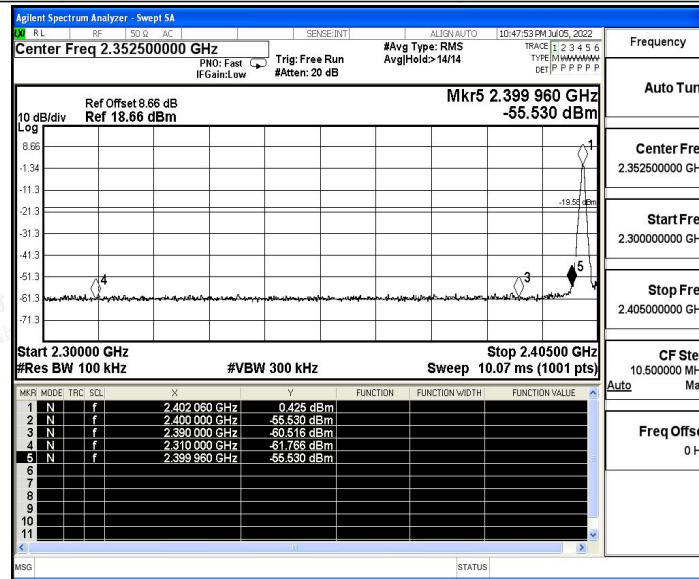
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.43	-55.53	≤-19.58	PASS
		High	2480	2.20	-57.3	≤-17.8	PASS
		Low	Hop_2402	-0.96	-59.43	≤-20.96	PASS
		High	Hop_2480	1.85	-57.62	≤-18.15	PASS
2DH5	Ant1	Low	2402	-0.15	-41.93	≤-20.15	PASS
		High	2480	0.14	-53.68	≤-19.86	PASS
		Low	Hop_2402	-3.24	-58.87	≤-23.24	PASS
		High	Hop_2480	-0.28	-57.36	≤-20.28	PASS
3DH5	Ant1	Low	2402	-0.10	-40.58	≤-20.1	PASS
		High	2480	1.56	-48.26	≤-18.44	PASS
		Low	Hop_2402	-2.84	-57.14	≤-22.84	PASS
		High	Hop_2480	1.35	-57.94	≤-18.65	PASS



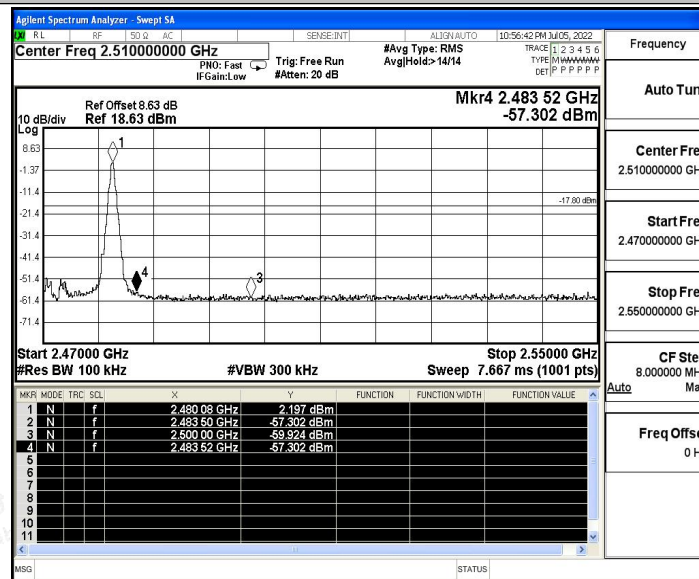


Test Graphs

DH5_Ant1_Low_2402

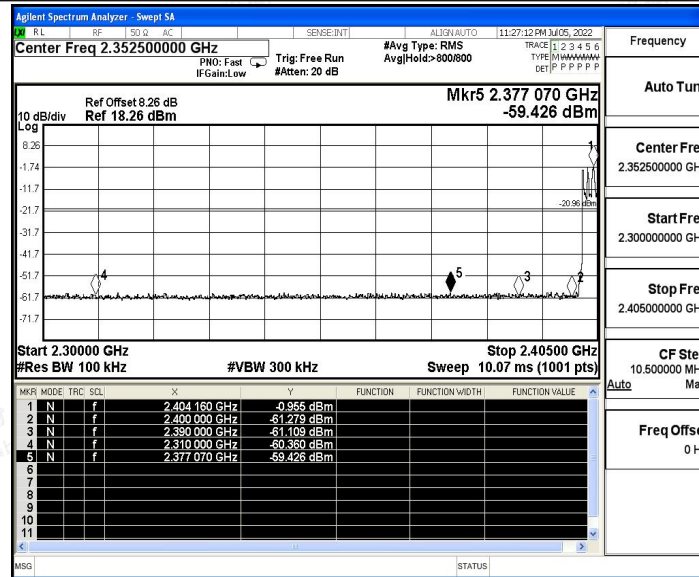


DH5_Ant1_High_2480

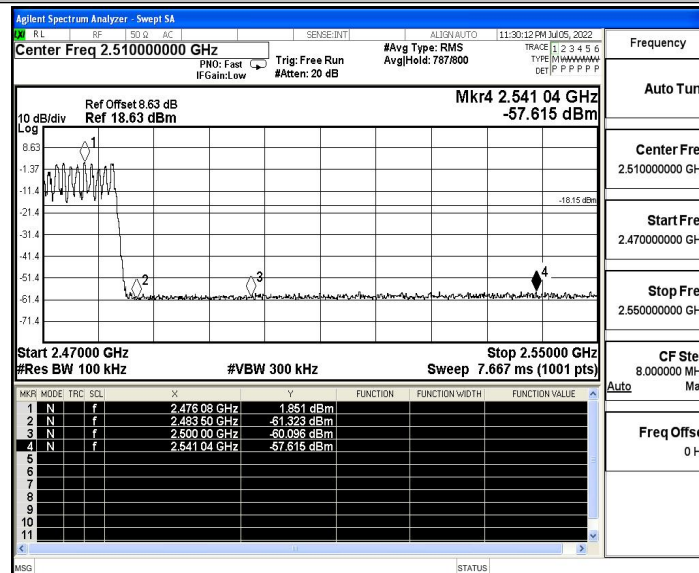


DH5_Ant1_Low_Hop_2402



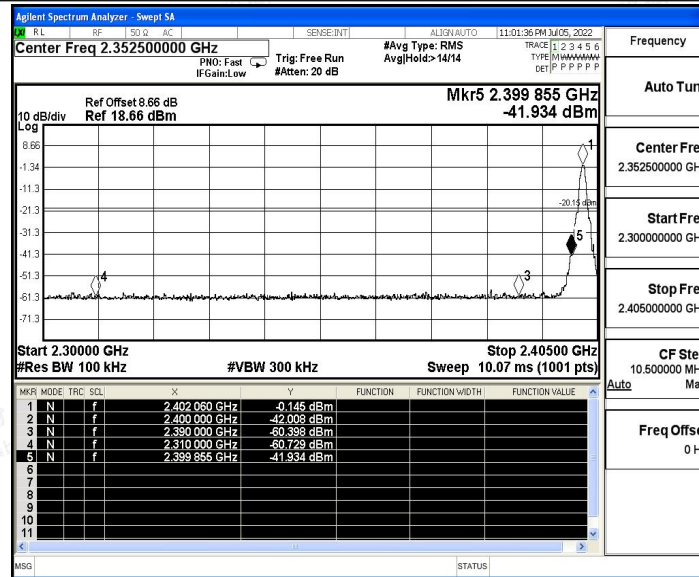


DH5_Ant1_High_Hop_2480

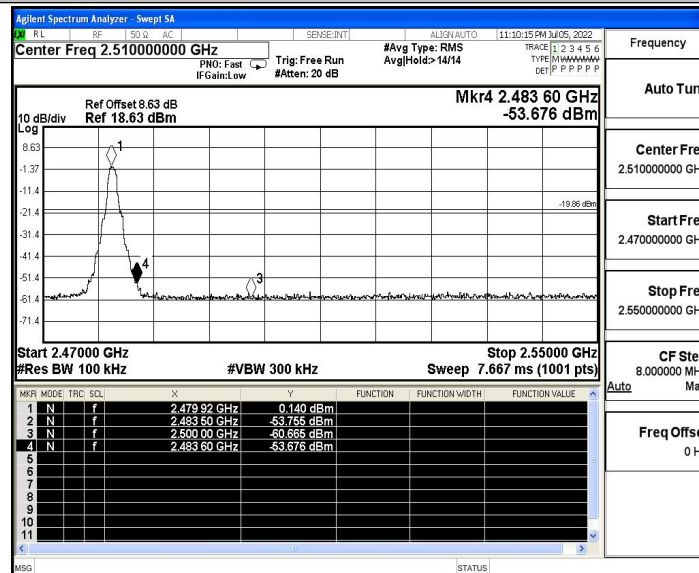


2DH5_Ant1_Low_2402



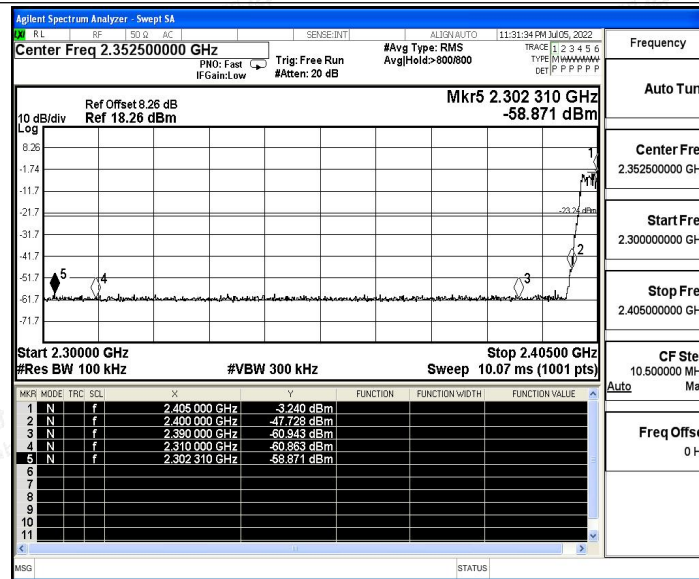


2DH5_Ant1_High_2480

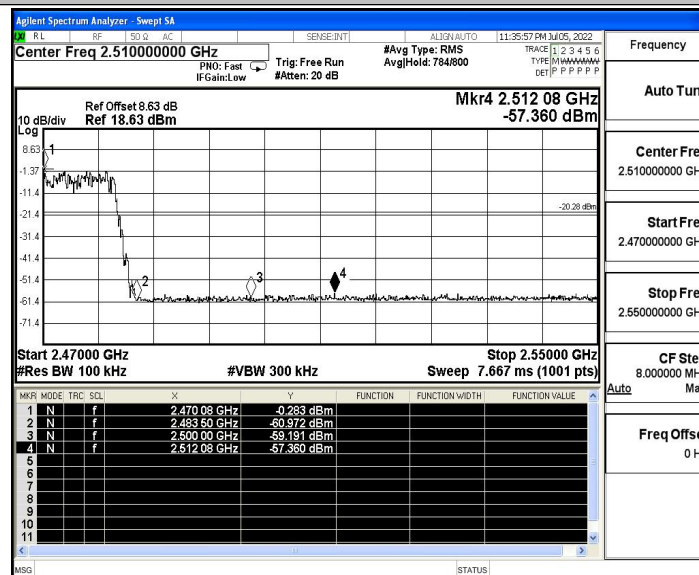


2DH5_Ant1_Low_Hop_2402



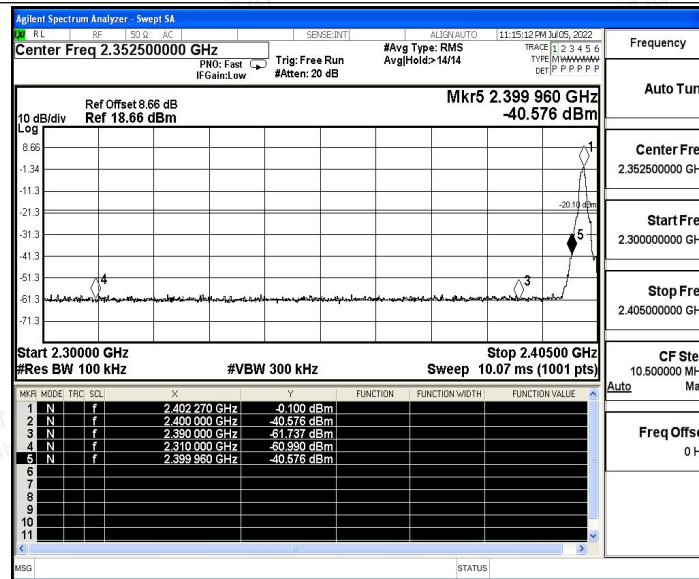


2DH5_Ant1_High_Hop_2480

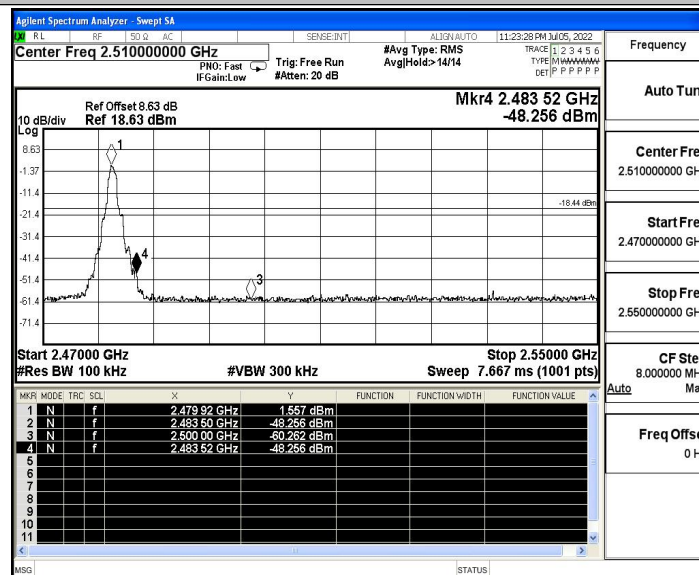


3DH5_Ant1_Low_2402





3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402

