



Appendix B

RF Test Data for BT (Conducted Measurement)

Product Name: Soundbar Speaker

Test Model: HT800

Environmental Conditions

Temperature:	23.5℃
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
Supervised by:	Ling Zhu





B.1 20dB Bandwidth

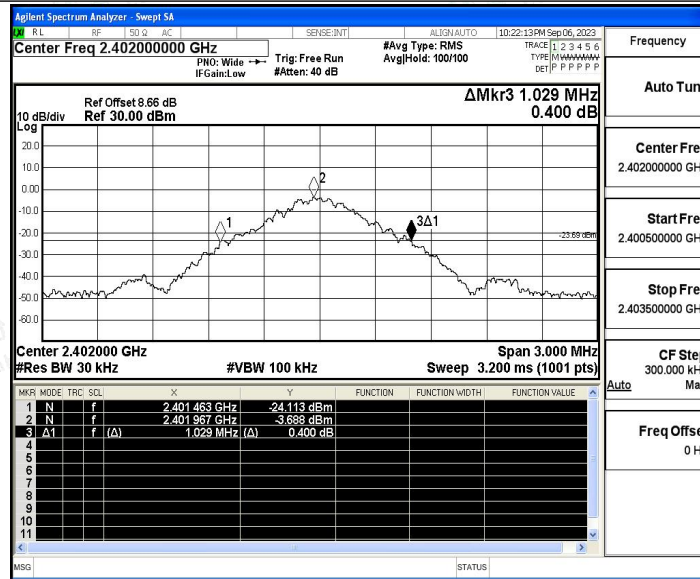
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Verdict
DH5	Ant1	2402	1.029	2401.463	2402.492	---
		2441	1.026	2440.460	2441.486	---
		2480	1.023	2479.460	2480.483	---
2DH5	Ant1	2402	1.293	2401.355	2402.648	---
		2441	1.284	2440.364	2441.648	---
		2480	1.293	2479.355	2480.648	---
3DH5	Ant1	2402	1.314	2401.337	2402.651	---
		2441	1.287	2440.346	2441.633	---
		2480	1.320	2479.334	2480.654	---



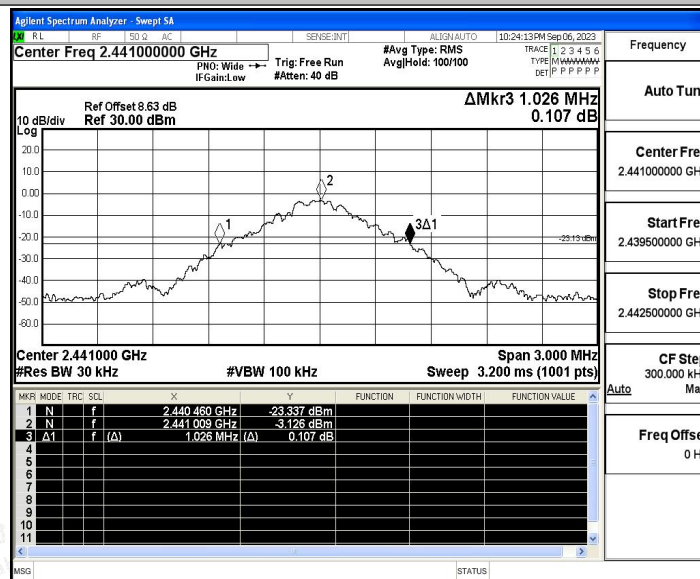


Test Graphs

DH5_Ant1_2402

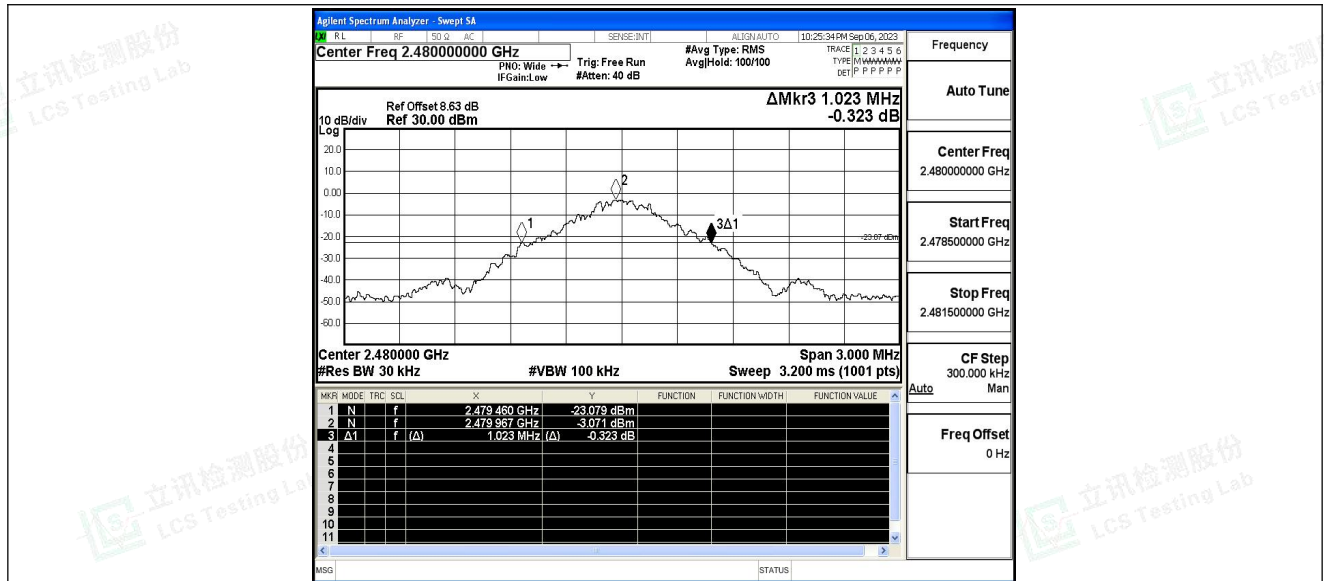


DH5_Ant1_2441

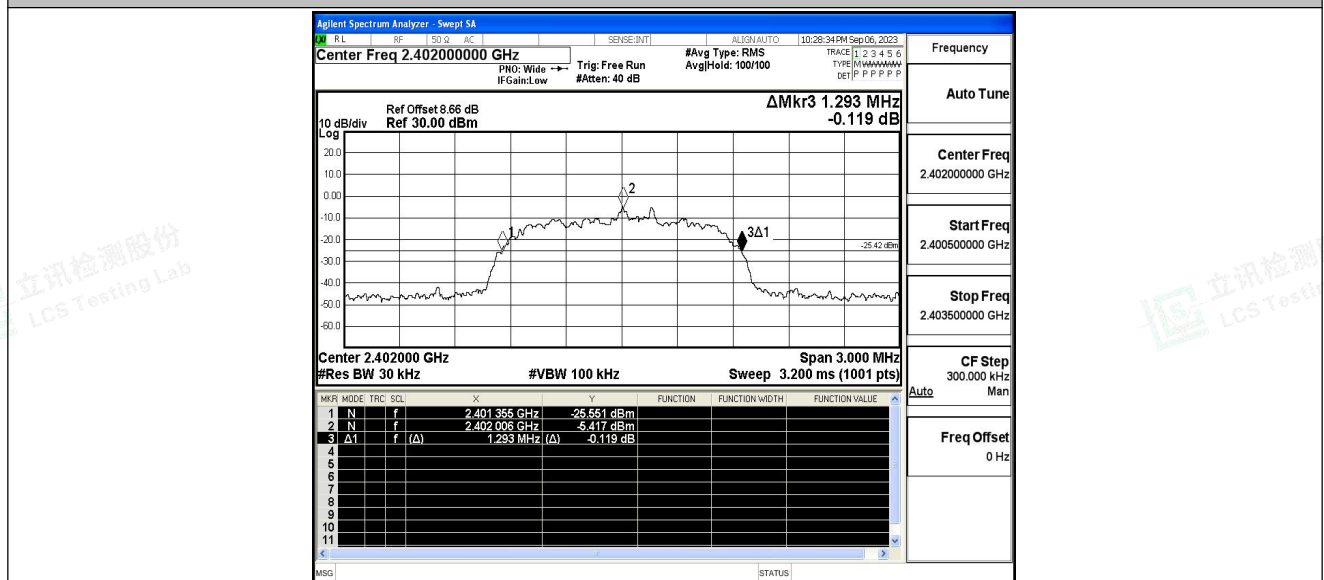


DH5_Ant1_2480



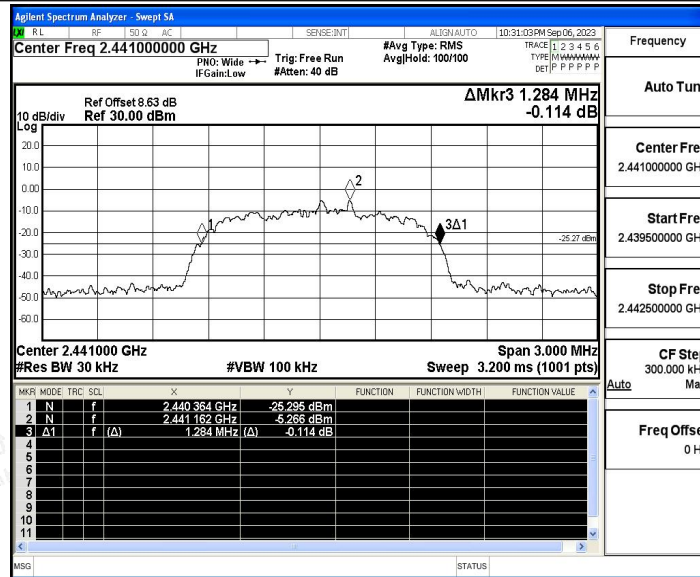


2DH5_Ant1_2402

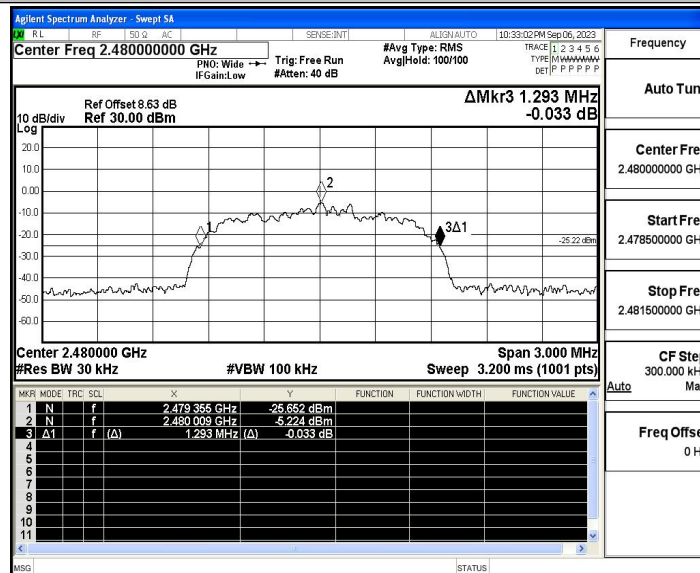


2DH5_Ant1_2441



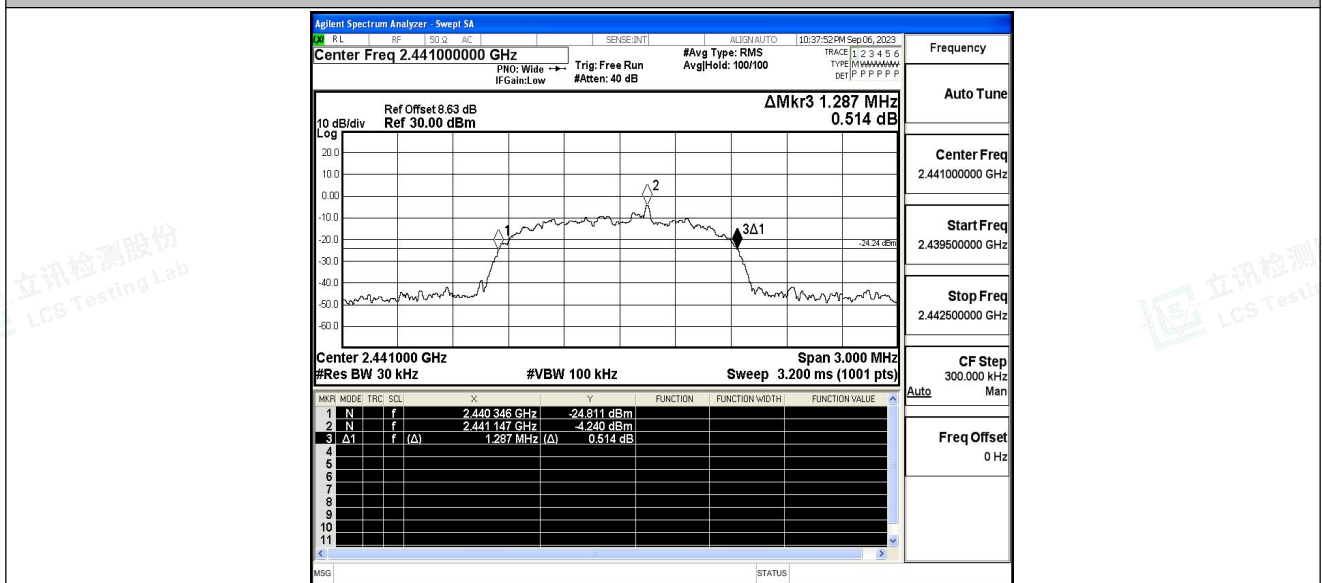
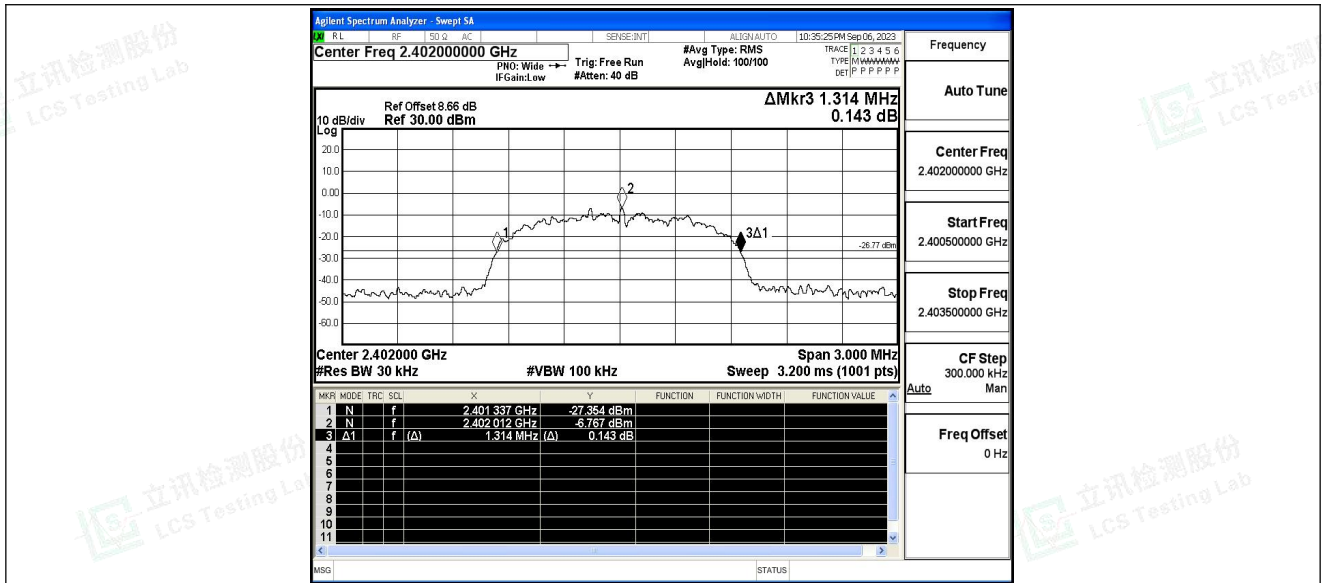


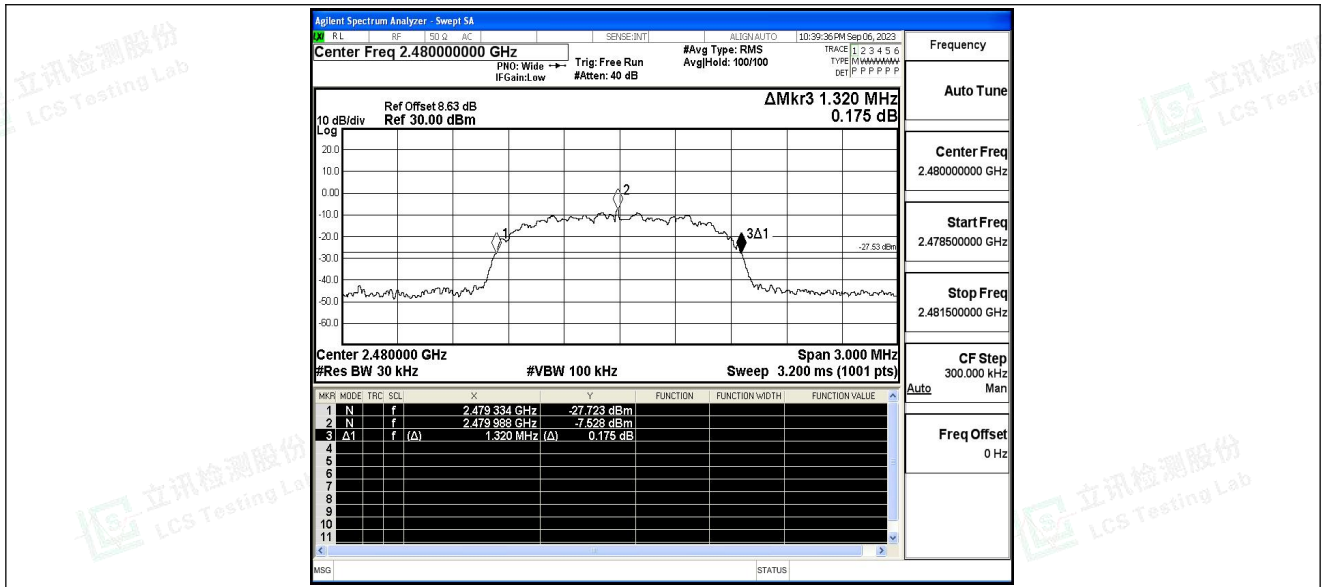
2DH5_Ant1_2480



3DH5_Ant1_2402









B.2 Maximum Conducted Output Power

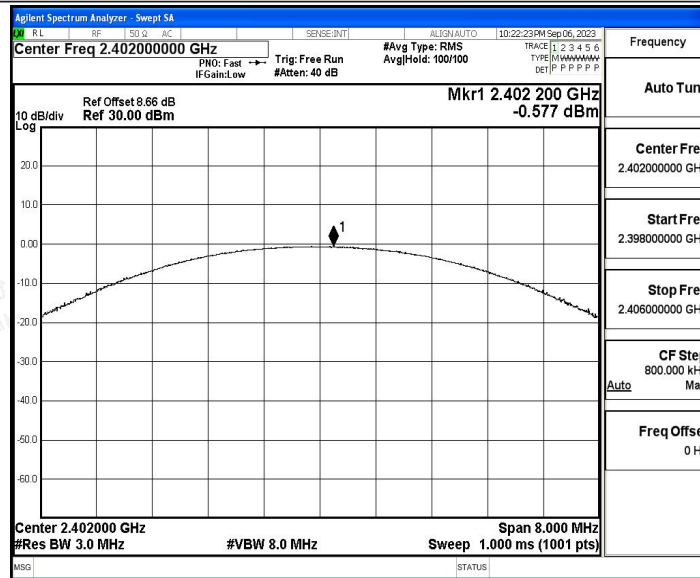
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-0.58	≤20.97	PASS
		2441	-0.08	≤20.97	PASS
		2480	0.06	≤20.97	PASS
2DH5	Ant1	2402	-0.63	≤20.97	PASS
		2441	-0.43	≤20.97	PASS
		2480	-0.29	≤20.97	PASS
3DH5	Ant1	2402	-0.52	≤20.97	PASS
		2441	-0.31	≤20.97	PASS
		2480	-0.29	≤20.97	PASS



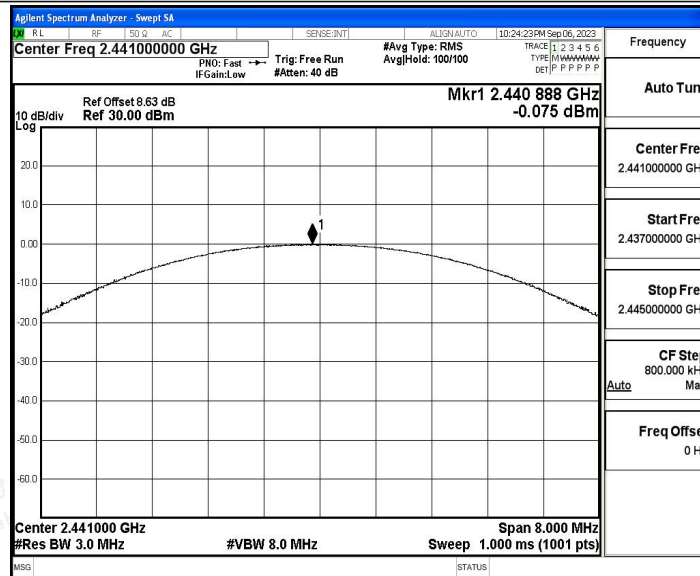


Test Graphs

DH5_Ant1_2402

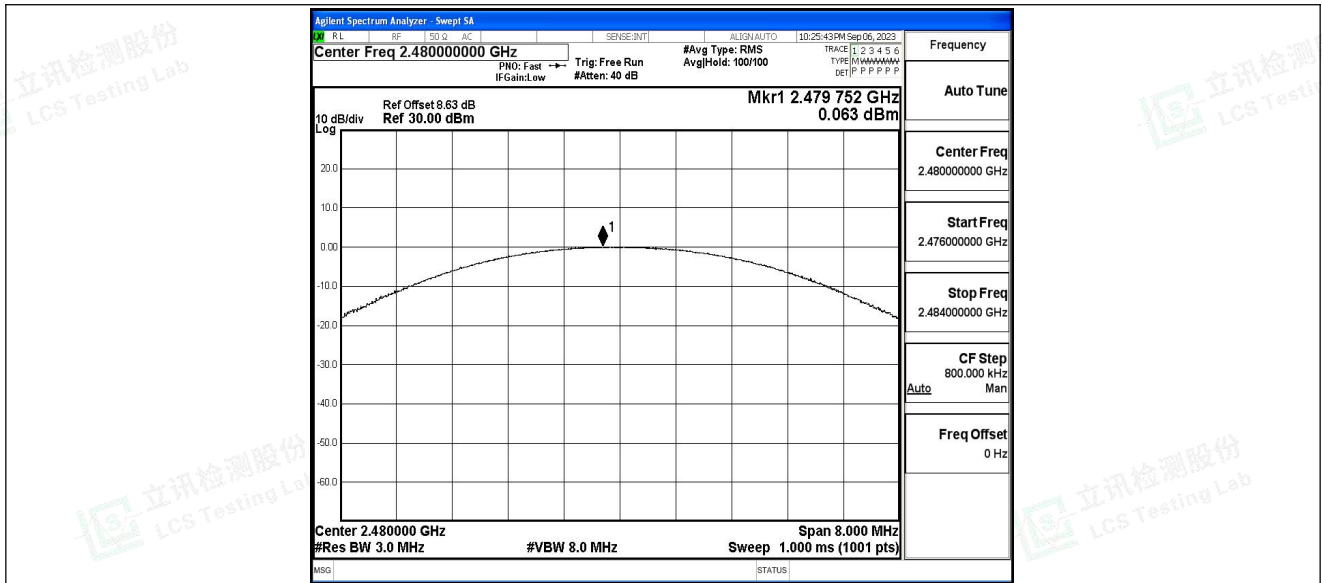


DH5_Ant1_2441

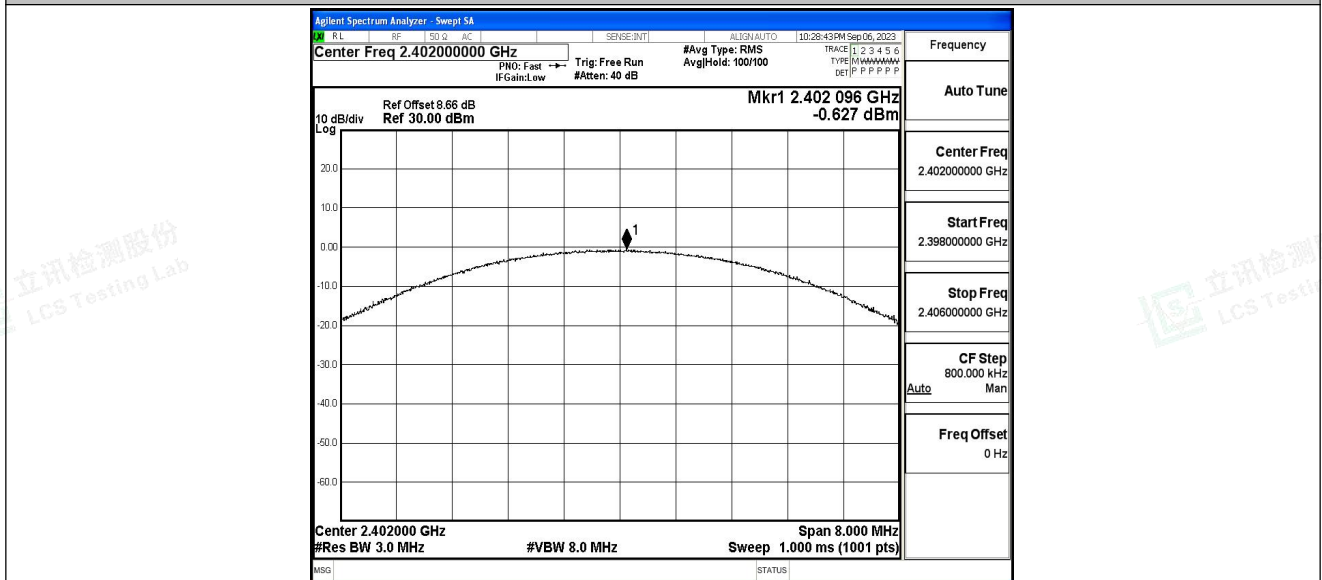


DH5_Ant1_2480



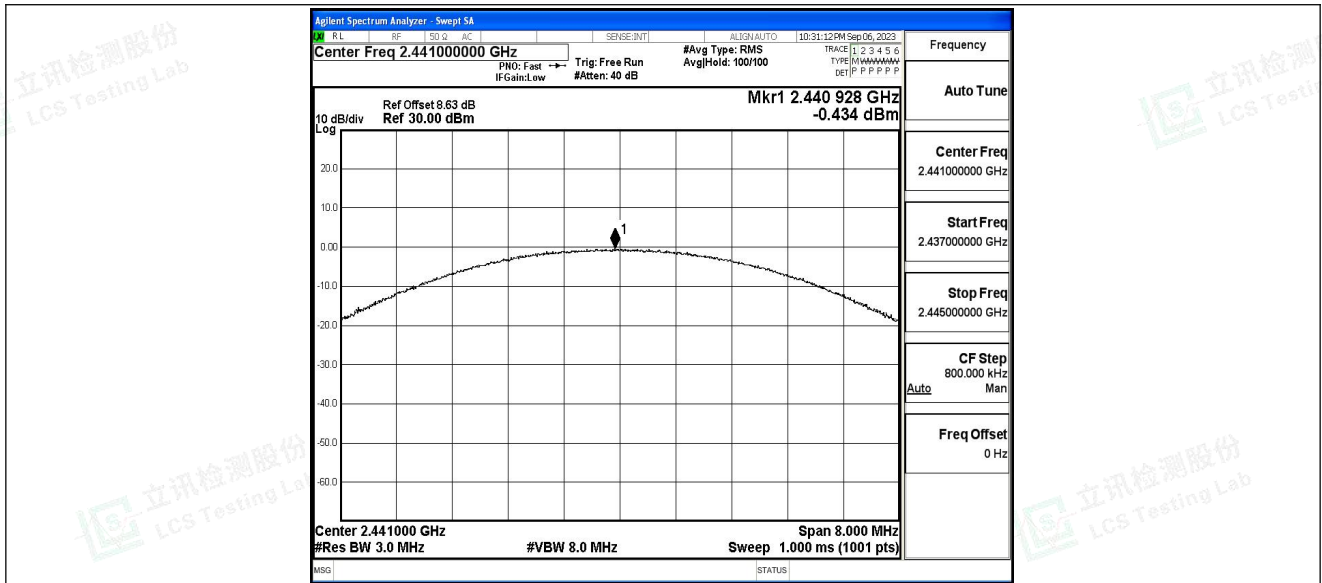


2DH5_Ant1_2402

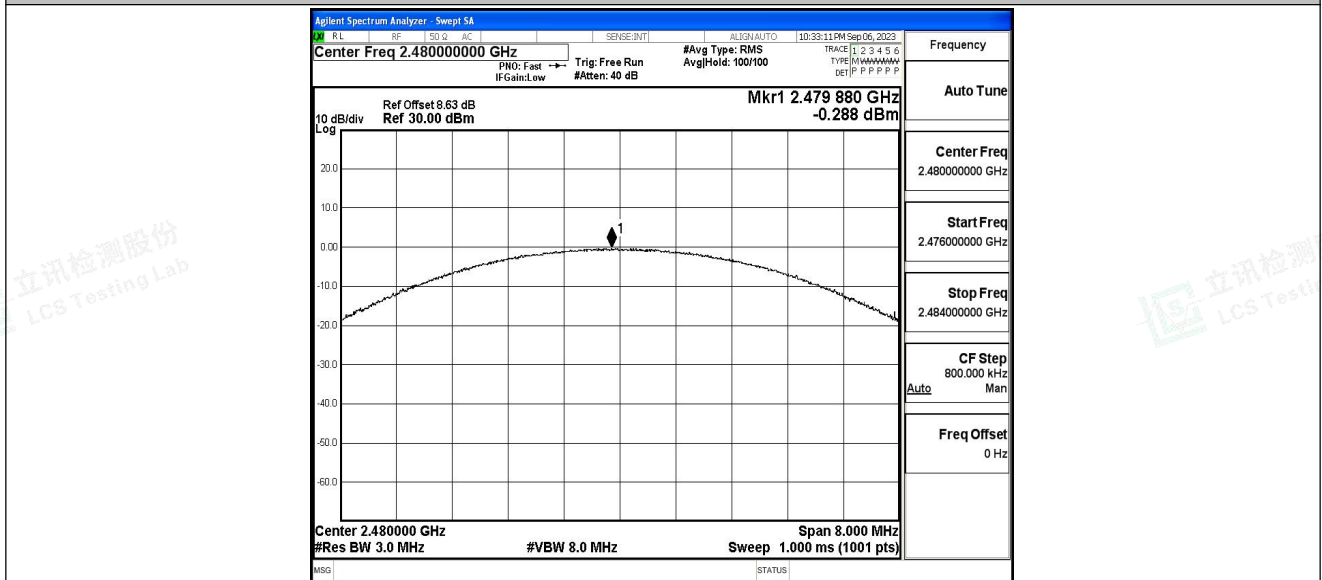


2DH5_Ant1_2441



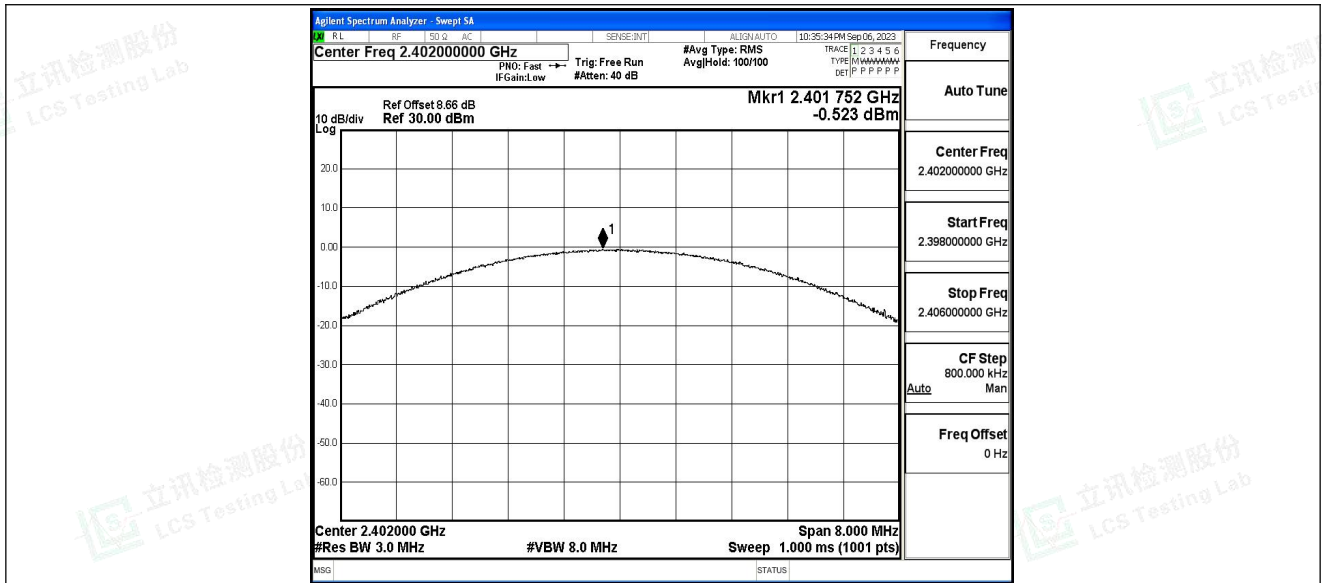


2D H5_Ant1_2480

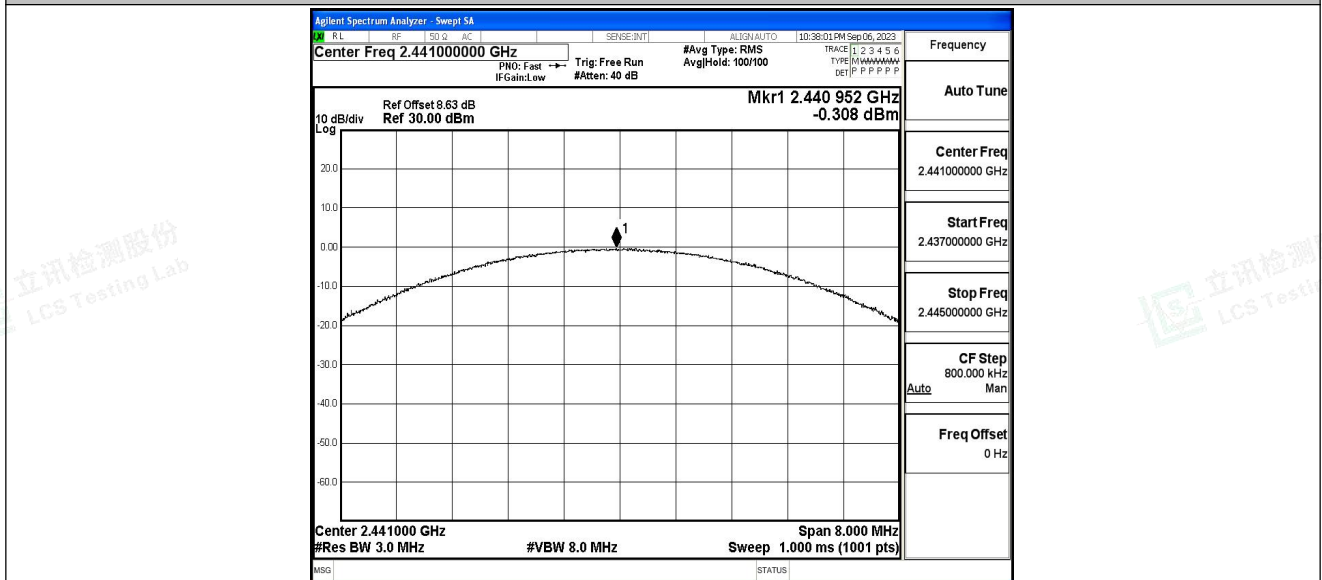


3D H5_Ant1_2402



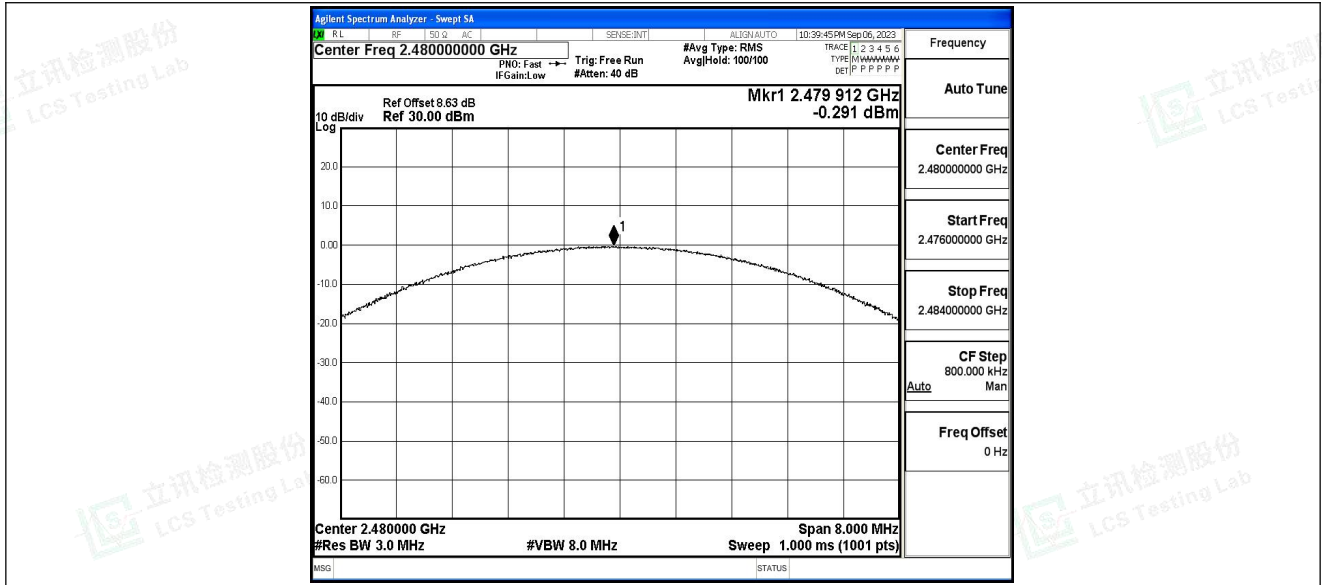


3DH5_Ant1_2441



3DH5_Ant1_2480







B.3 Carrier Frequencies Separation

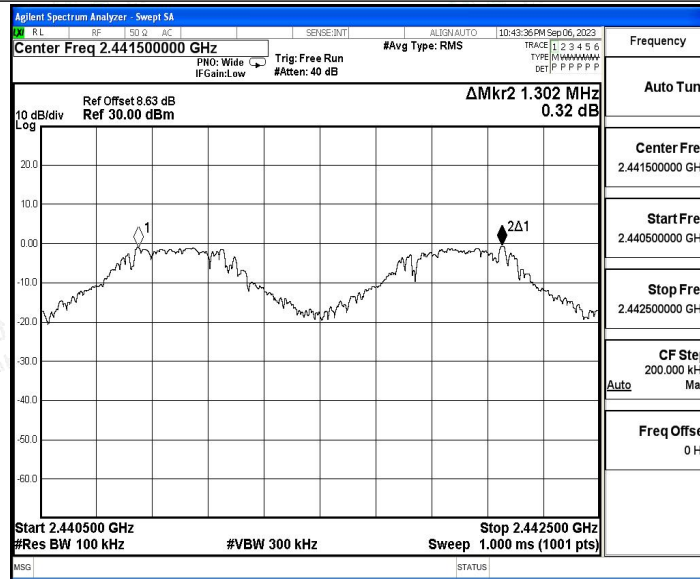
TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.302	≥0.686	PASS
2DH5	Ant1	Hop	1.022	≥0.862	PASS
3DH5	Ant1	Hop	1.108	≥0.880	PASS



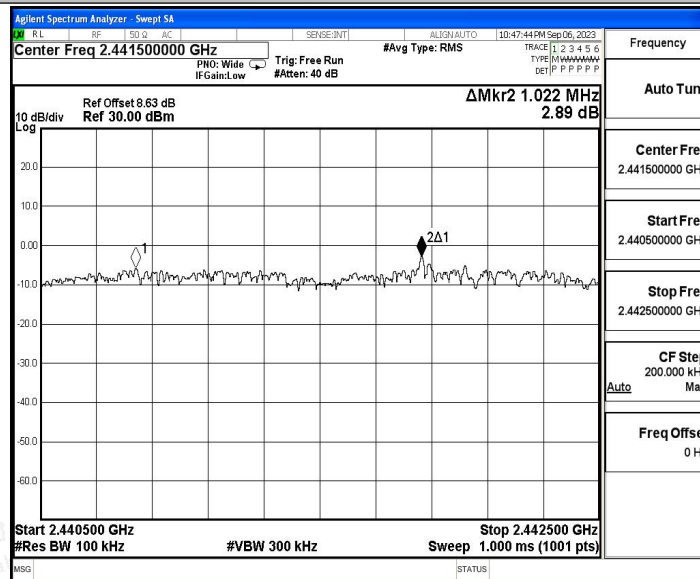


Test Graphs

DH5_Ant1_Hop

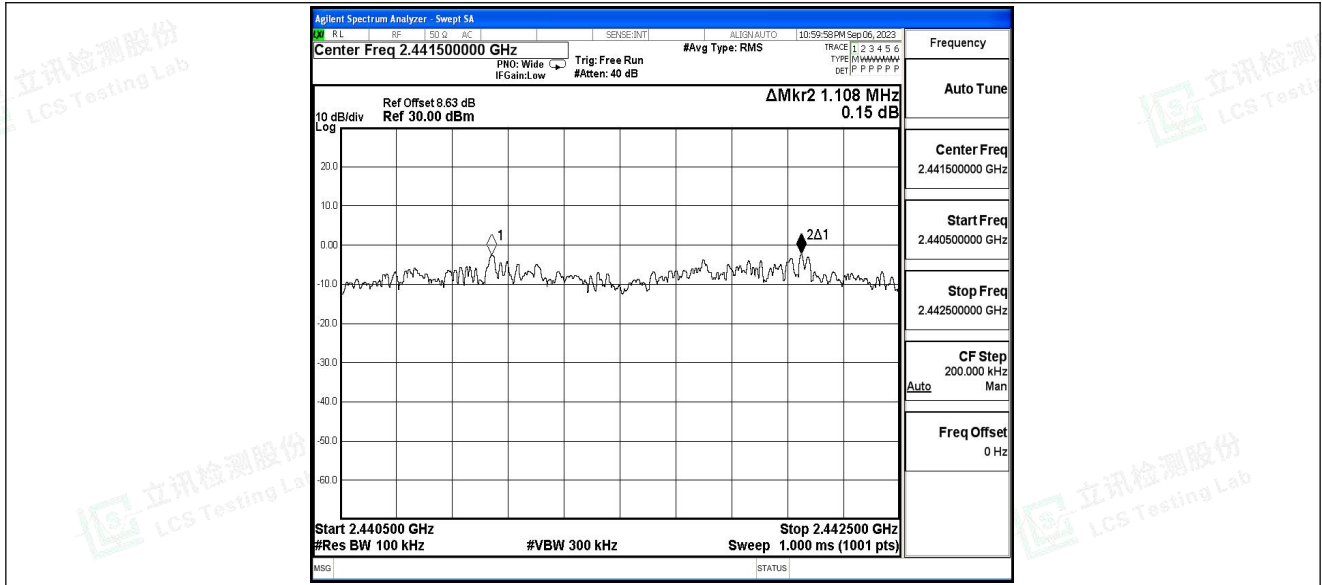


2DH5_Ant1_Hop



3DH5_Ant1_Hop





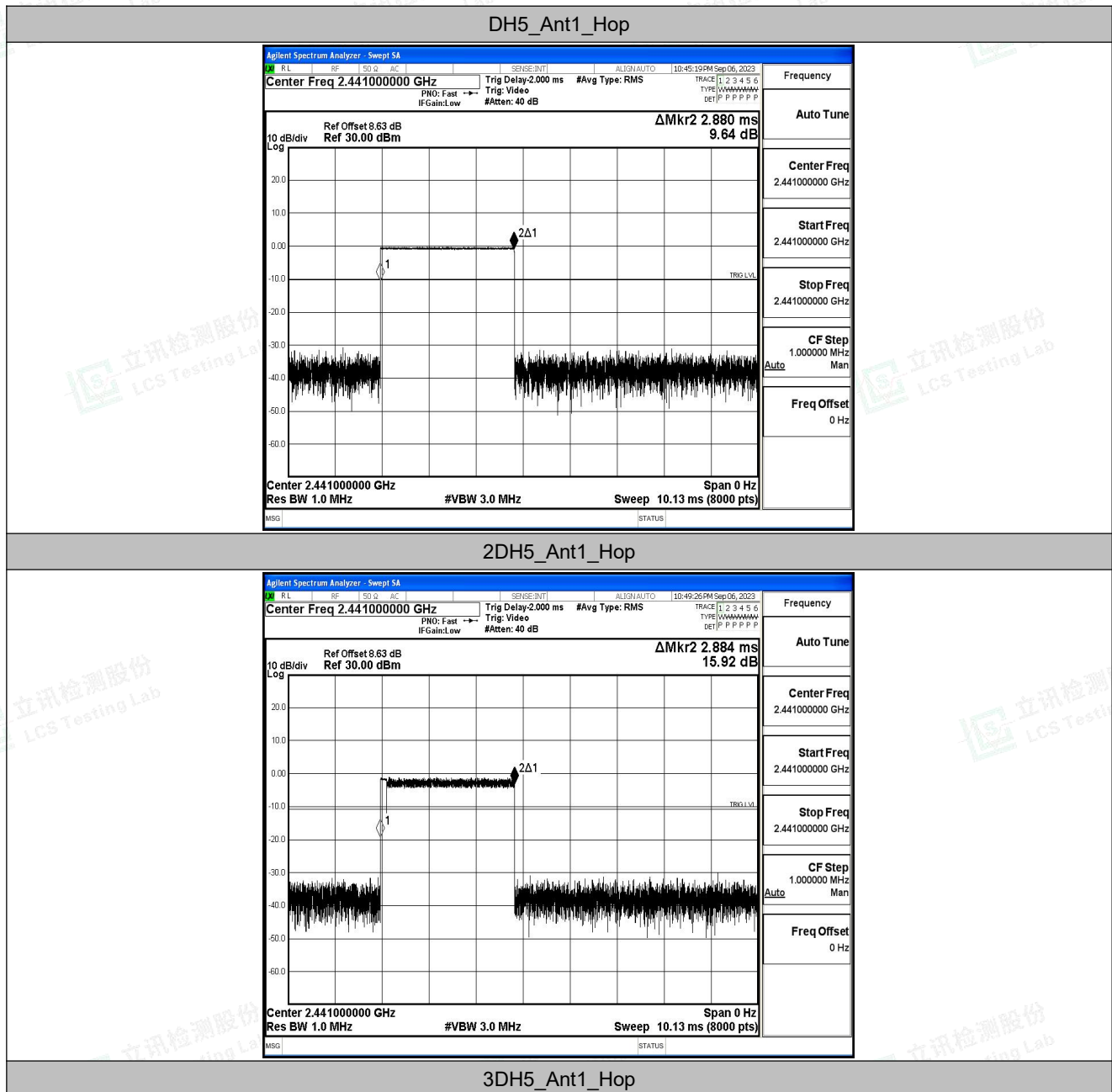


B.4 Dwell Time

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.880	106.67	0.307	≤0.4	PASS
2DH5	Ant1	Hop	2.884	106.67	0.308	≤0.4	PASS
3DH5	Ant1	Hop	2.885	106.67	0.308	≤0.4	PASS



Test Graphs

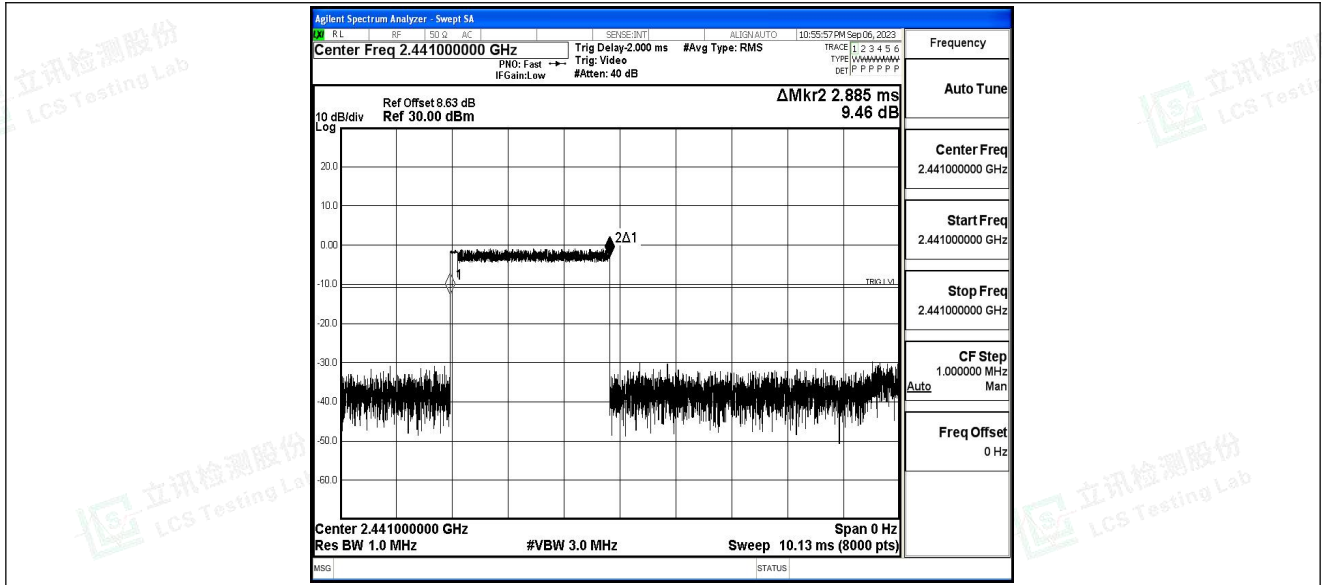


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B.5 Number of Hopping Channel

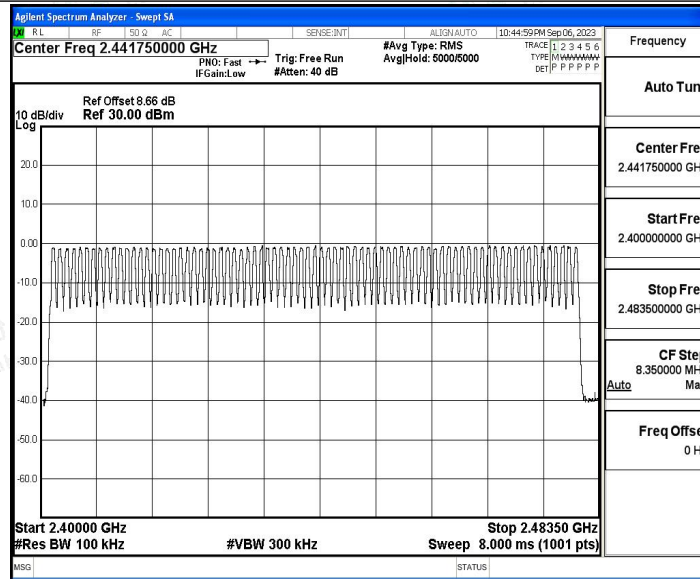
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS



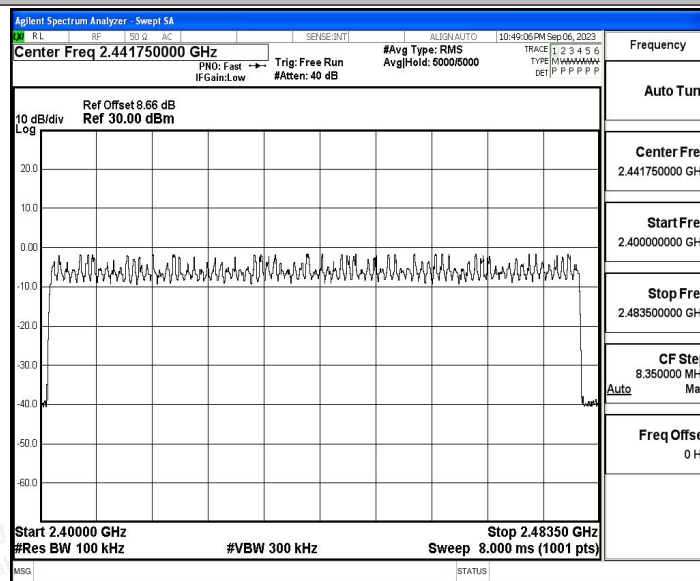


Test Graphs

DH5_Ant1_Hop

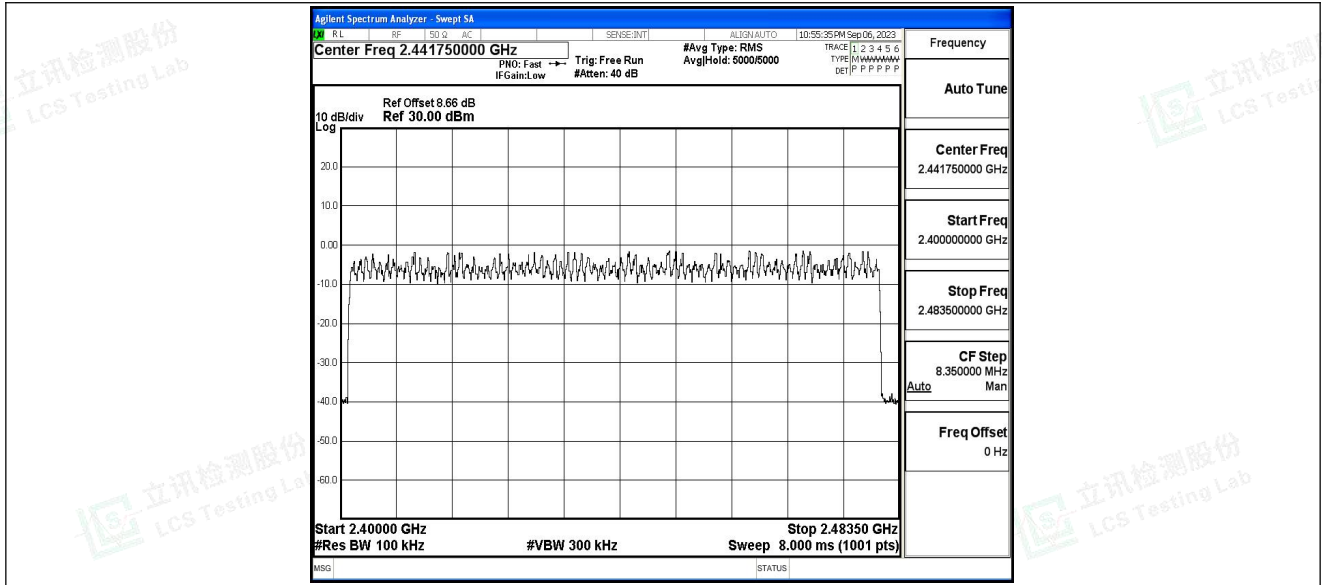


2DH5_Ant1_Hop



3DH5_Ant1_Hop







B.6 Band Edge

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-1.75	-50.67	≤ -21.75	PASS
		High	2480	-1.36	-49.41	≤ -21.36	PASS
		Low	Hop_2402	-1.63	-48.56	≤ -21.63	PASS
		High	Hop_2480	-0.86	-47.56	≤ -20.86	PASS
2DH5	Ant1	Low	2402	-6.19	-50.44	≤ -26.19	PASS
		High	2480	-1.58	-48.11	≤ -21.58	PASS
		Low	Hop_2402	-6.02	-48.71	≤ -26.02	PASS
		High	Hop_2480	-5.04	-47.6	≤ -25.04	PASS
3DH5	Ant1	Low	2402	-5.54	-50.27	≤ -25.54	PASS
		High	2480	-4.59	-48.62	≤ -24.59	PASS
		Low	Hop_2402	-5.48	-48.85	≤ -25.48	PASS
		High	Hop_2480	-2.69	-47.17	≤ -22.69	PASS



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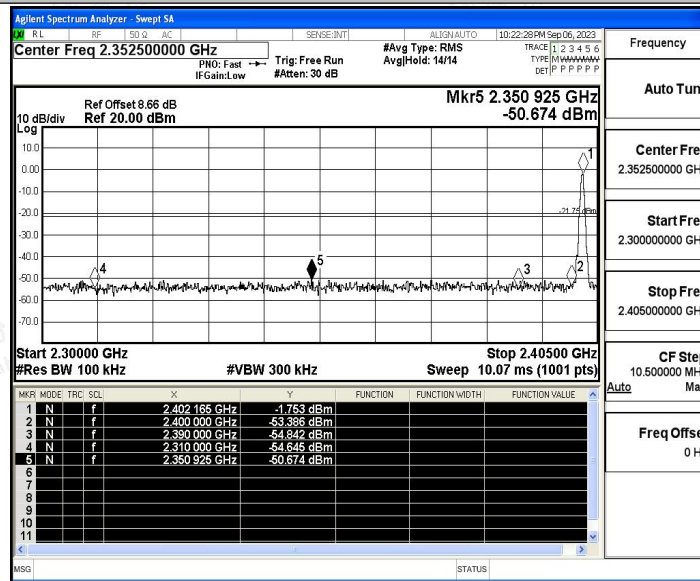
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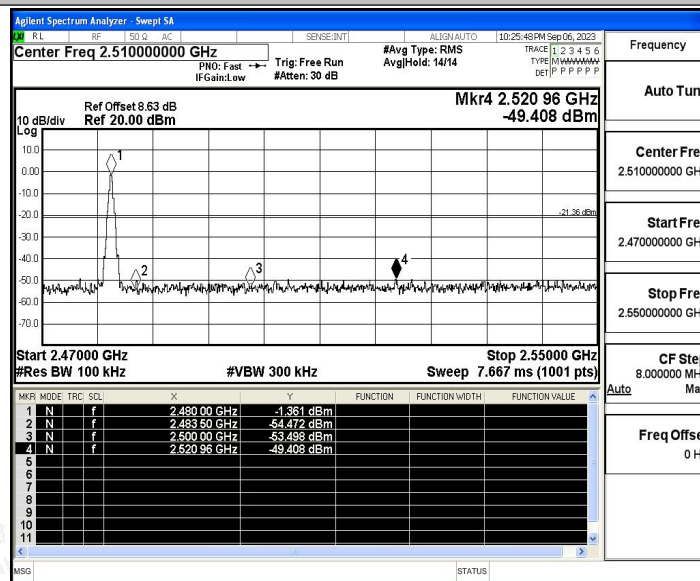


Test Graphs

DH5_Ant1_Low_2402

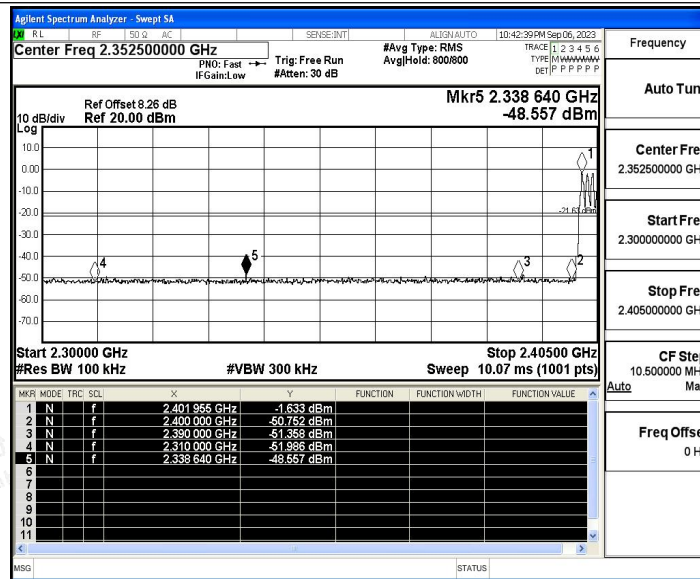


DH5_Ant1_High_2480

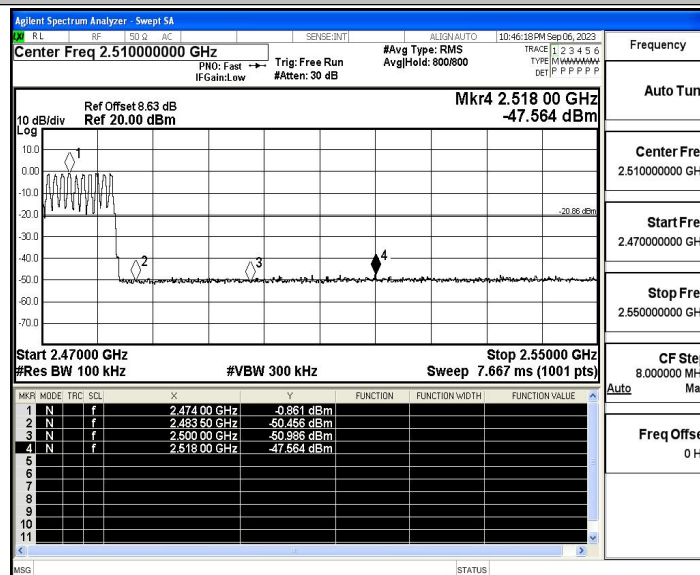


DH5_Ant1_Low_Hop_2402



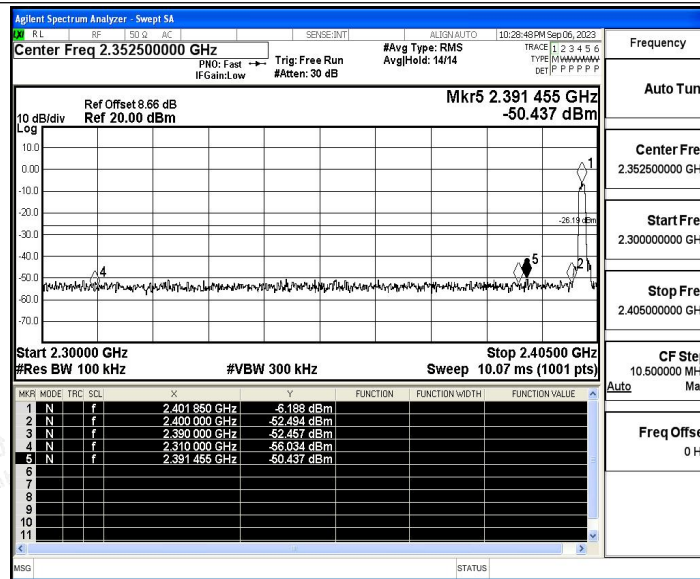


DH5_Ant1_High_Hop_2480

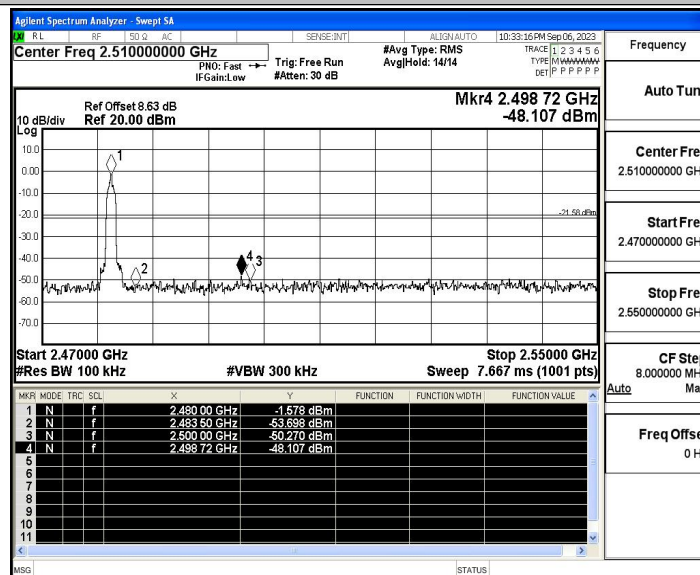


2DH5_Ant1_Low_2402



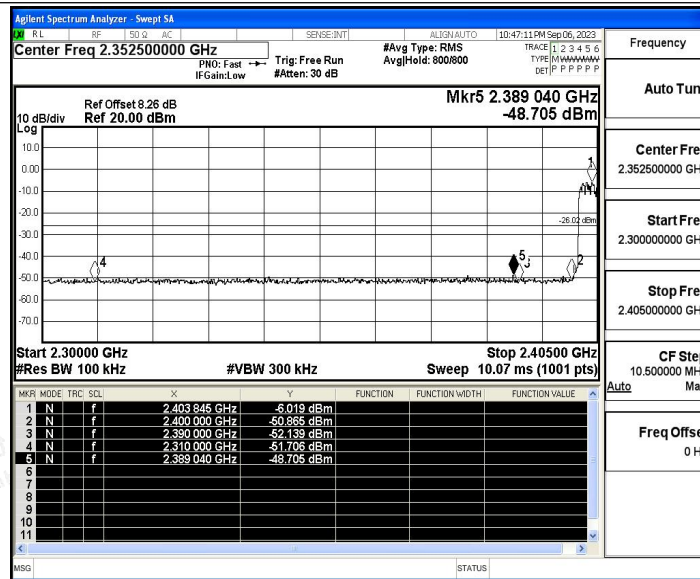


2DH5_Ant1_High_2480

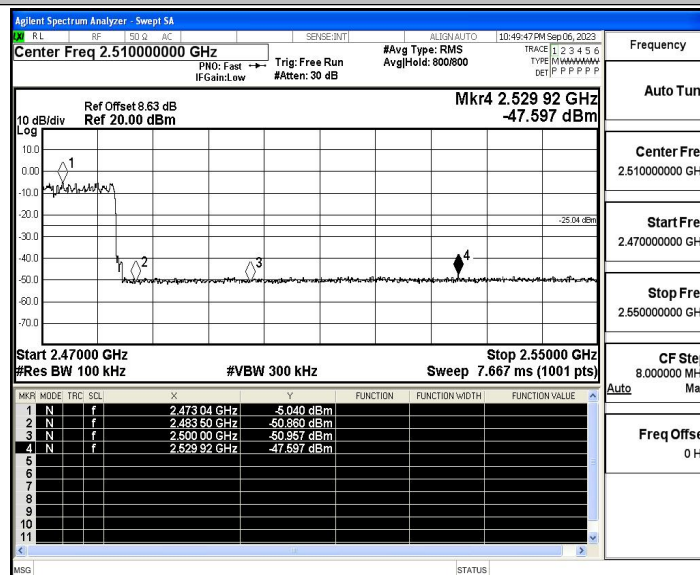


2DH5_Ant1_Low_Hop_2402



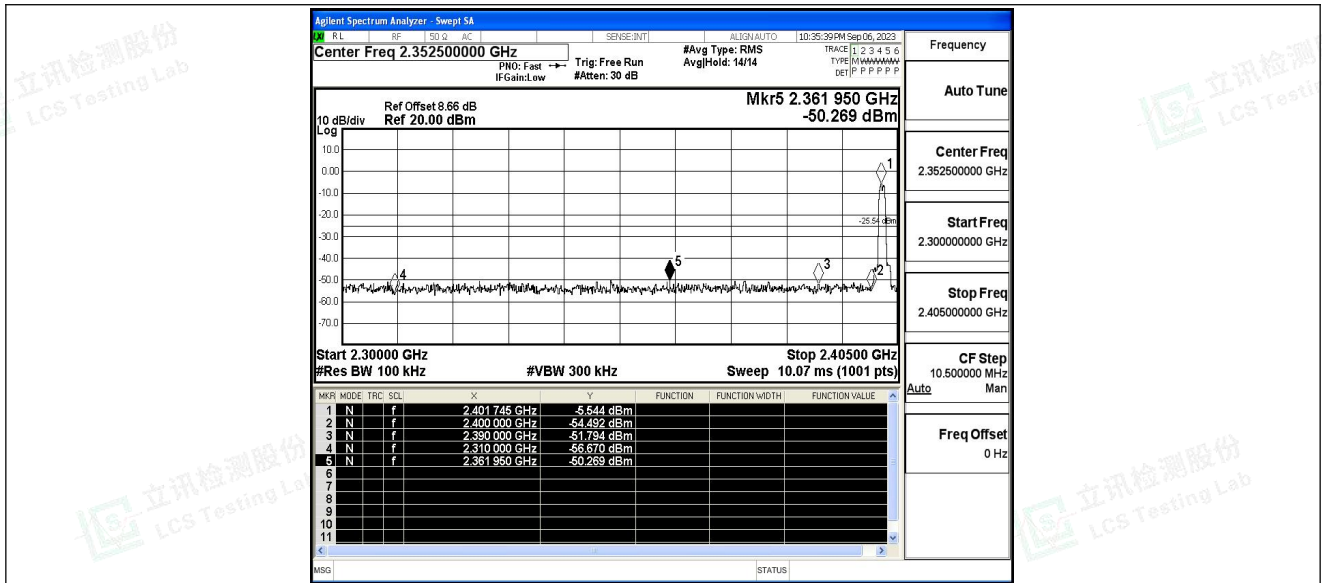


2DH5_Ant1_High_Hop_2480

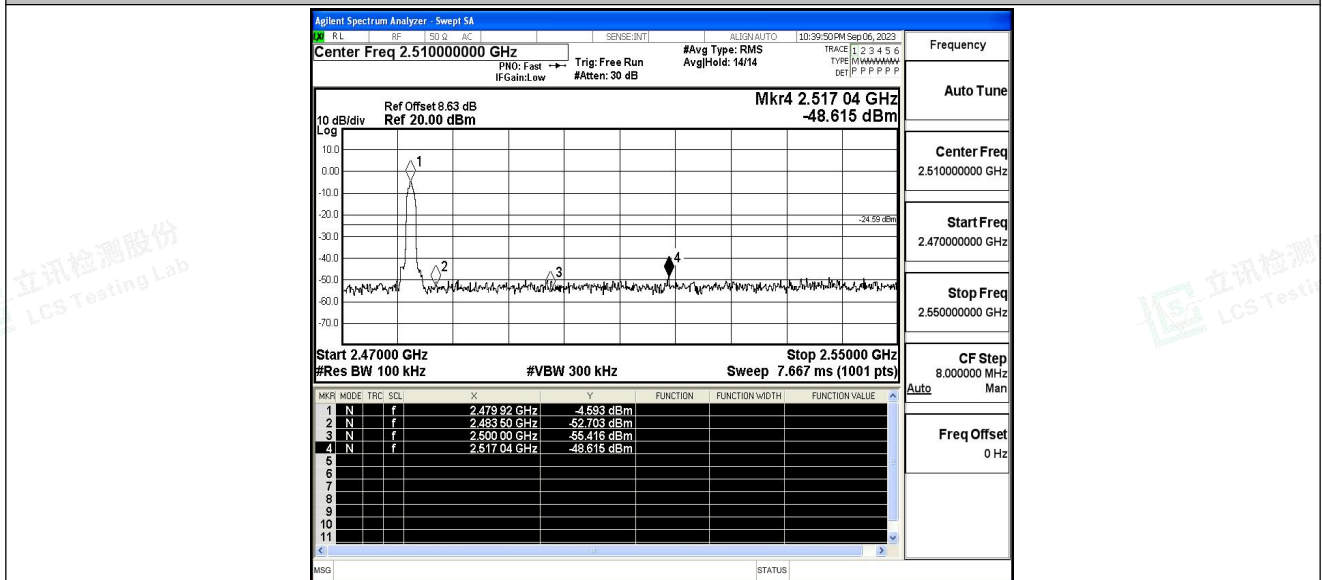


3DH5_Ant1_Low_2402



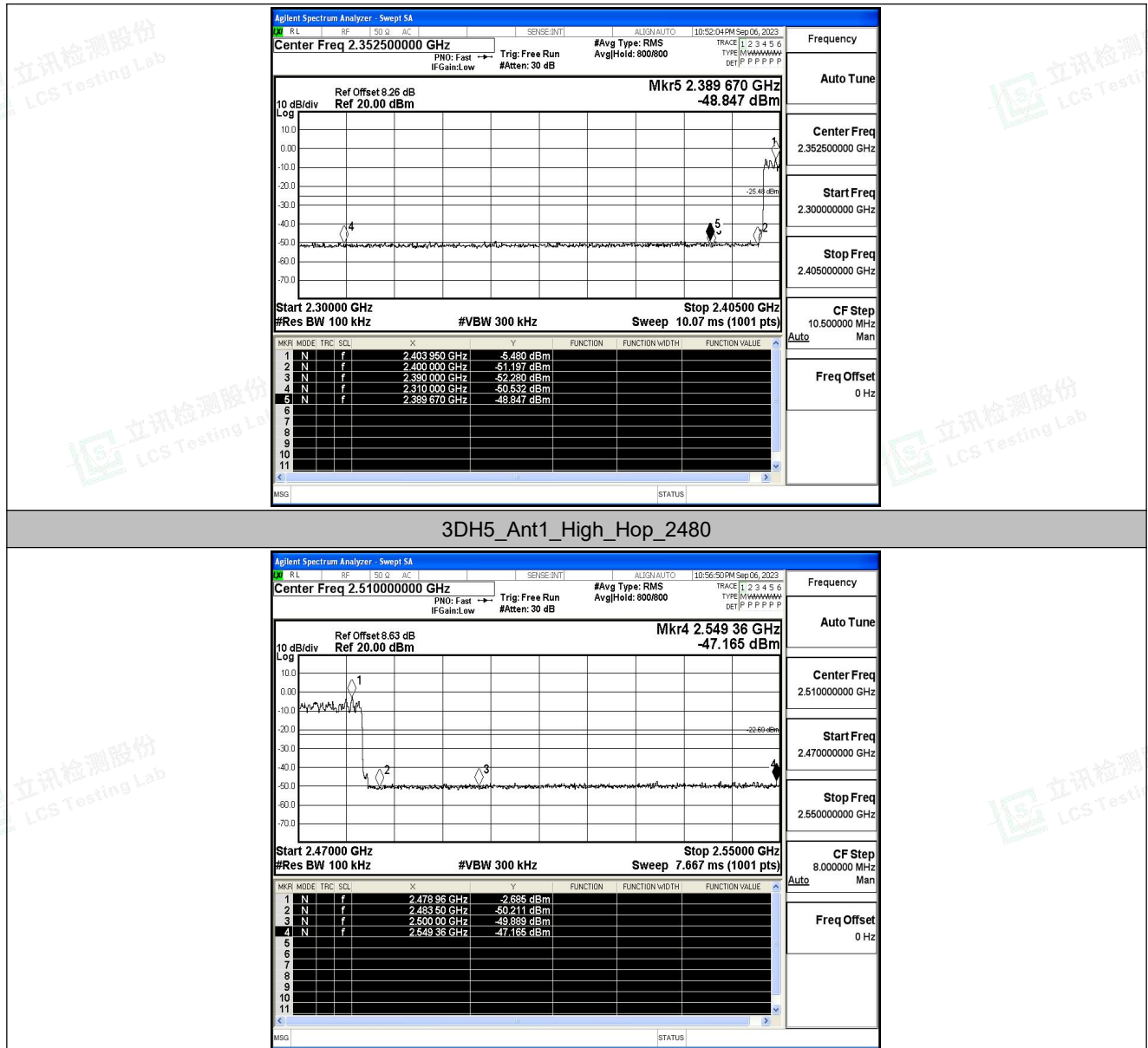


3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402







B.7 Conducted RF Spurious Emission

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-1.75	-1.75	---	PASS
			30~1000	-1.75	-60.6	≤ -21.75	PASS
			1000~26500	-1.75	-46.13	≤ -21.75	PASS
		2441	Reference	-0.86	-0.86	---	PASS
			30~1000	-0.86	-60.64	≤ -20.86	PASS
			1000~26500	-0.86	-46.19	≤ -20.86	PASS
		2480	Reference	-1.15	-1.15	---	PASS
			30~1000	-1.15	-61.12	≤ -21.15	PASS
			1000~26500	-1.15	-45.46	≤ -21.15	PASS
2DH5	Ant1	2402	Reference	-2.04	-2.04	---	PASS
			30~1000	-2.04	-61.03	≤ -22.04	PASS
			1000~26500	-2.04	-46.53	≤ -22.04	PASS
		2441	Reference	-2.50	-2.50	---	PASS
			30~1000	-2.50	-61.02	≤ -22.5	PASS
			1000~26500	-2.50	-46.33	≤ -22.5	PASS
		2480	Reference	-2.54	-2.54	---	PASS
			30~1000	-2.54	-61.27	≤ -22.54	PASS
			1000~26500	-2.54	-45.53	≤ -22.54	PASS
3DH5	Ant1	2402	Reference	-2.93	-2.93	---	PASS
			30~1000	-2.93	-61.06	≤ -22.93	PASS
			1000~26500	-2.93	-46.44	≤ -22.93	PASS
		2441	Reference	-2.47	-2.47	---	PASS
			30~1000	-2.47	-61.12	≤ -22.47	PASS
			1000~26500	-2.47	-46.05	≤ -22.47	PASS
		2480	Reference	-1.92	-1.92	---	PASS
			30~1000	-1.92	-60.83	≤ -21.92	PASS
			1000~26500	-1.92	-46.29	≤ -21.92	PASS



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