



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Portable Outdoor Speaker

Test Model: M8 Pro

Environmental Conditions

Temperature:	23.8 ° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Nick Peng
Supervised by:	Ling Zhu



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A.1 20dB Emission Bandwidth

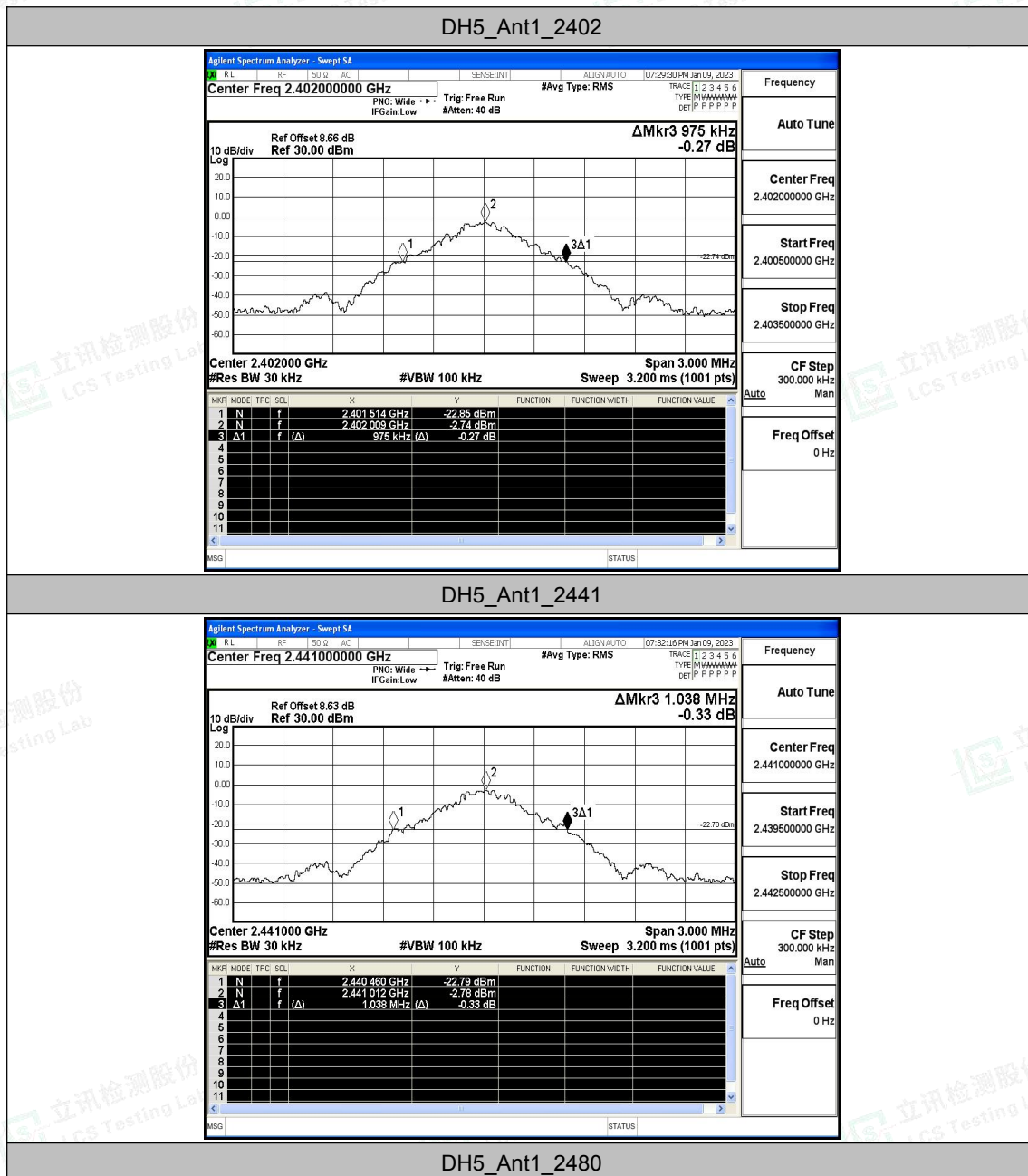
Test Result

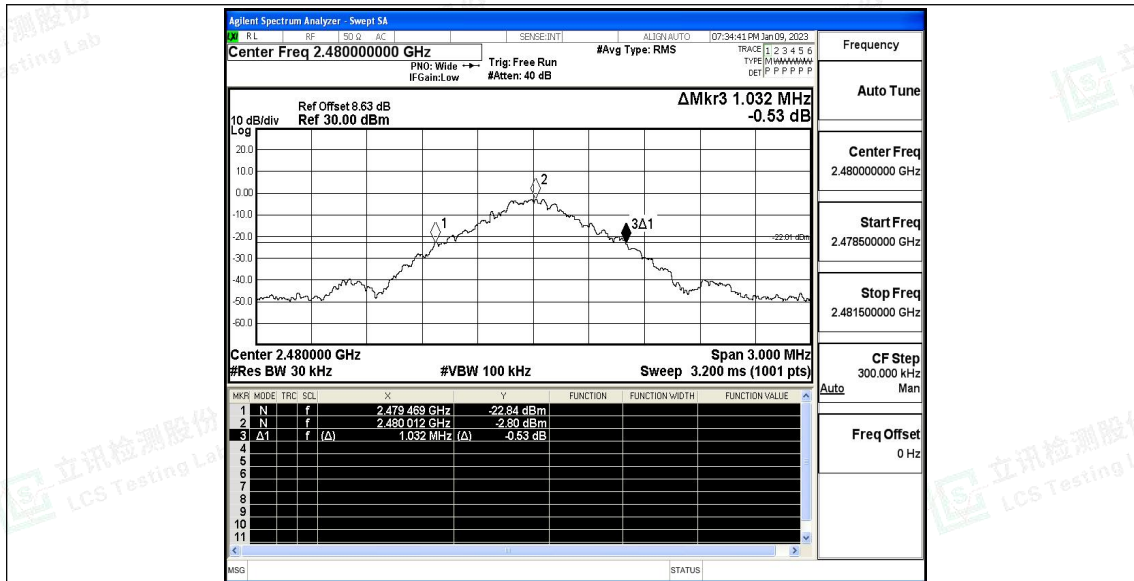
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Verdict
DH5	Ant1	2402	0.975	2401.514	2402.489	PASS
		2441	1.038	2440.460	2441.498	PASS
		2480	1.032	2479.469	2480.501	PASS
2DH5	Ant1	2402	1.296	2401.355	2402.651	PASS
		2441	1.329	2440.328	2441.657	PASS
		2480	1.350	2479.319	2480.669	PASS
3DH5	Ant1	2402	1.266	2401.361	2402.627	PASS
		2441	1.293	2440.340	2441.633	PASS
		2480	1.290	2479.343	2480.633	PASS



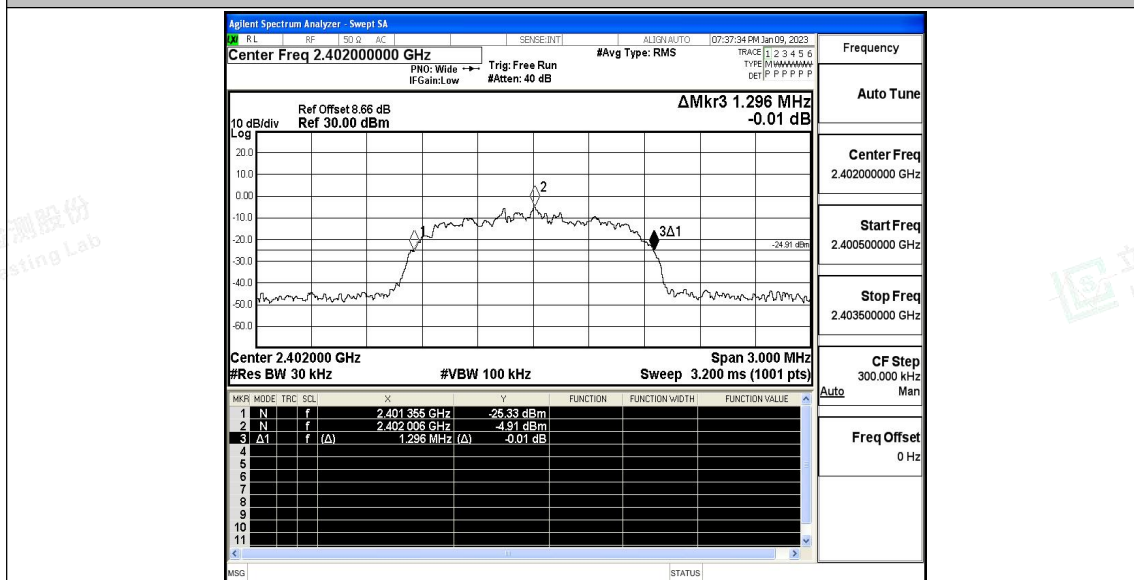


Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441

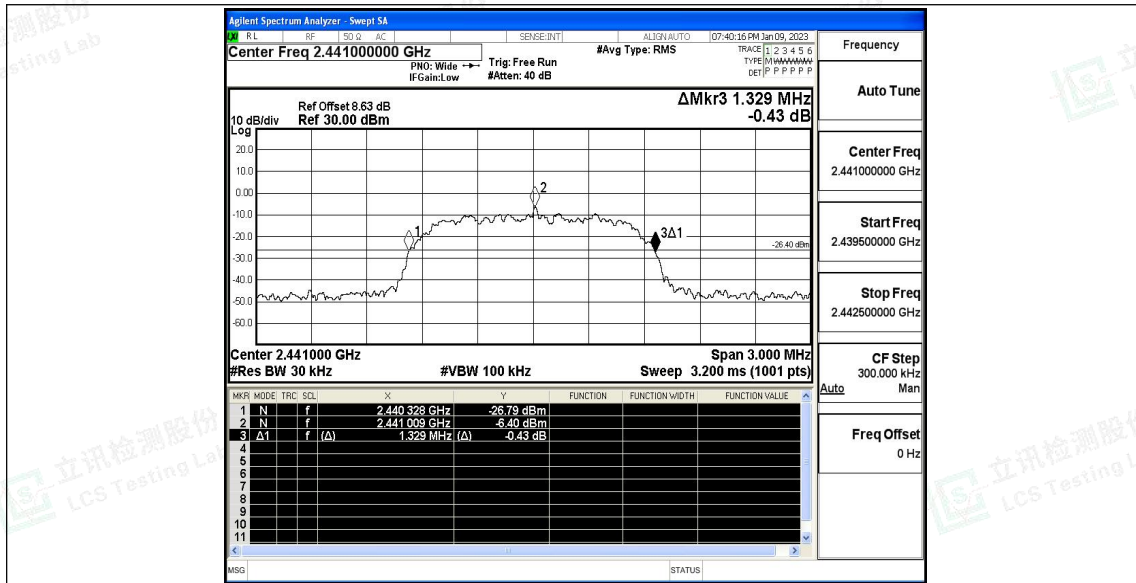


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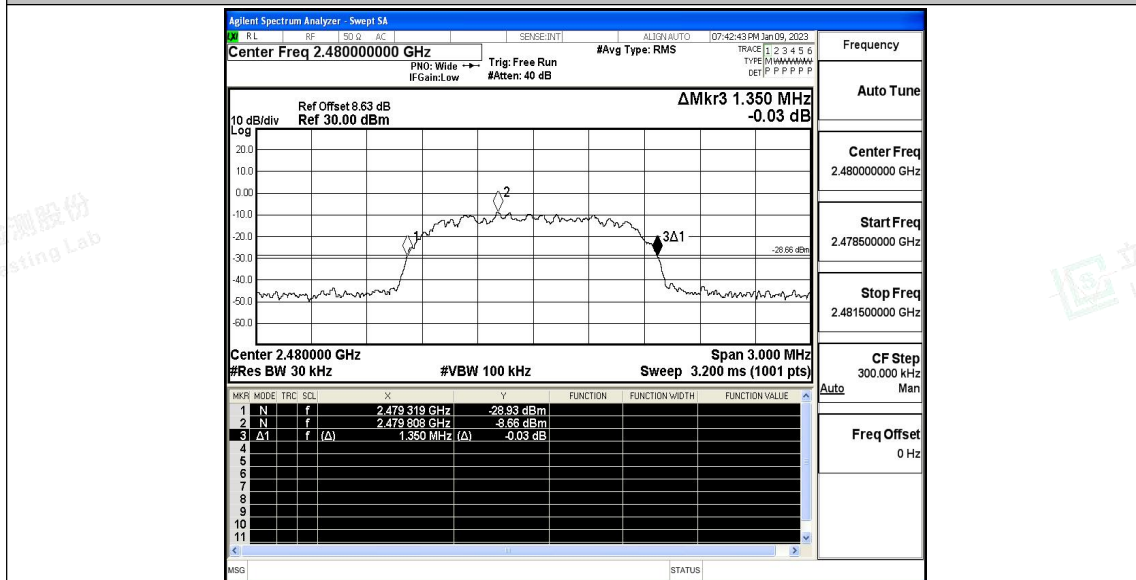
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2DH5_Ant1_2480



3DH5_Ant1_2402

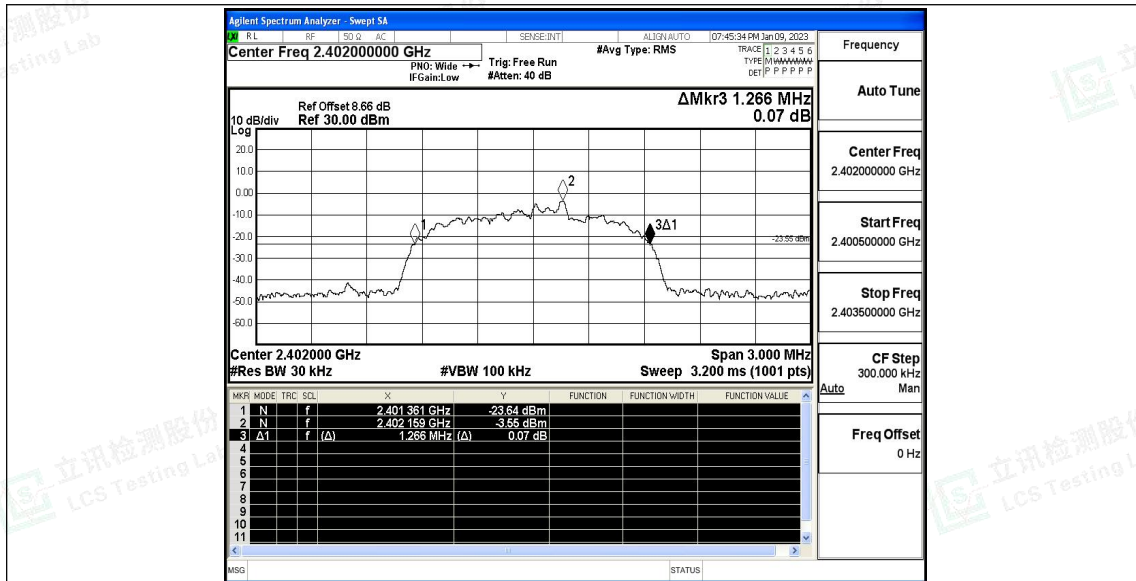


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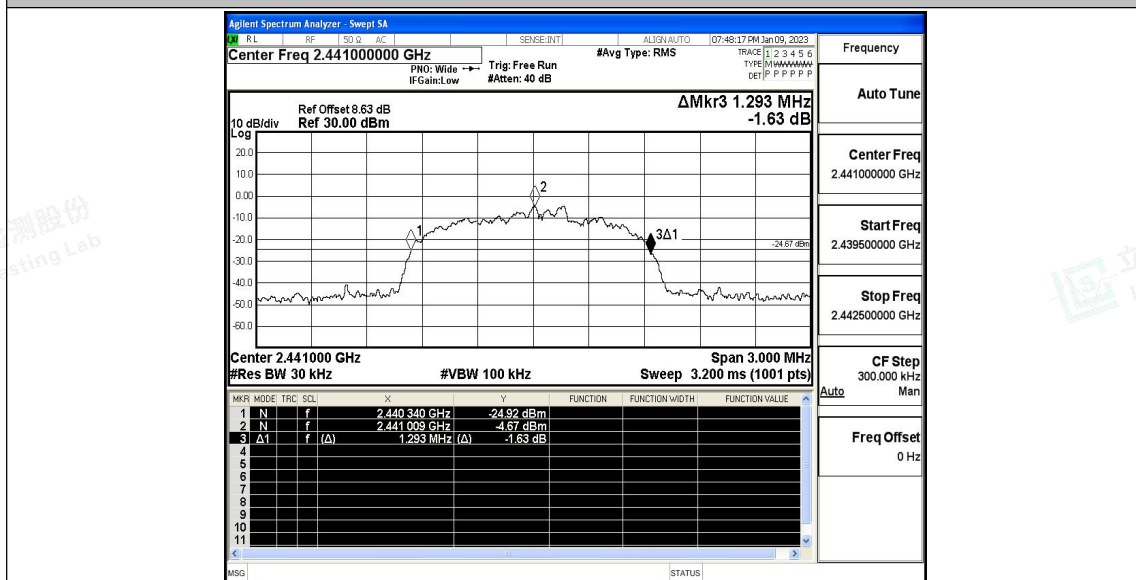
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3DH5_Ant1_2441



3DH5_Ant1_2480

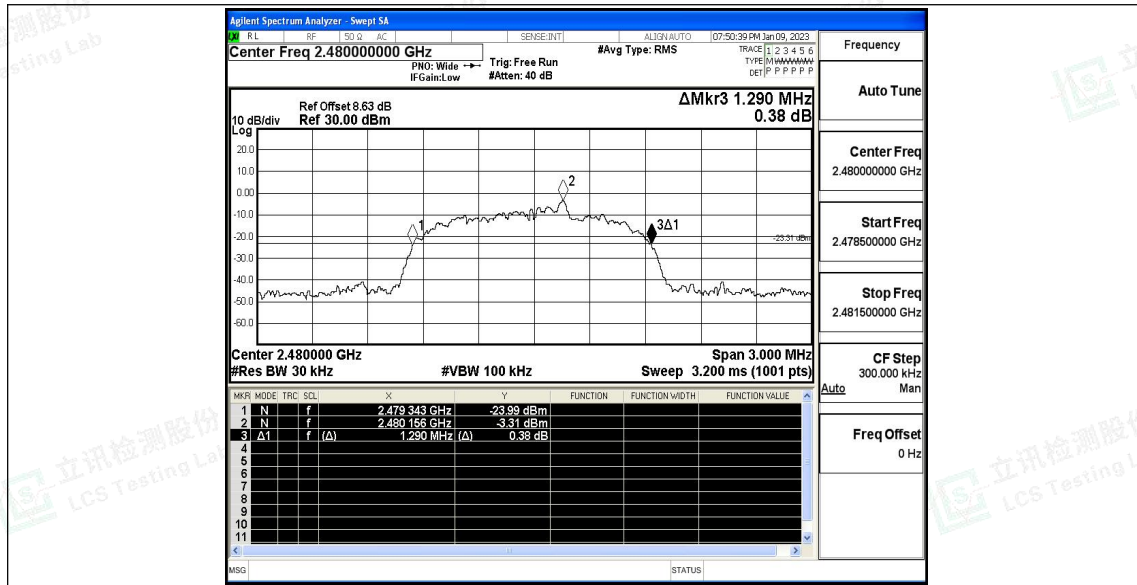


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A.2 Maximum conducted output power

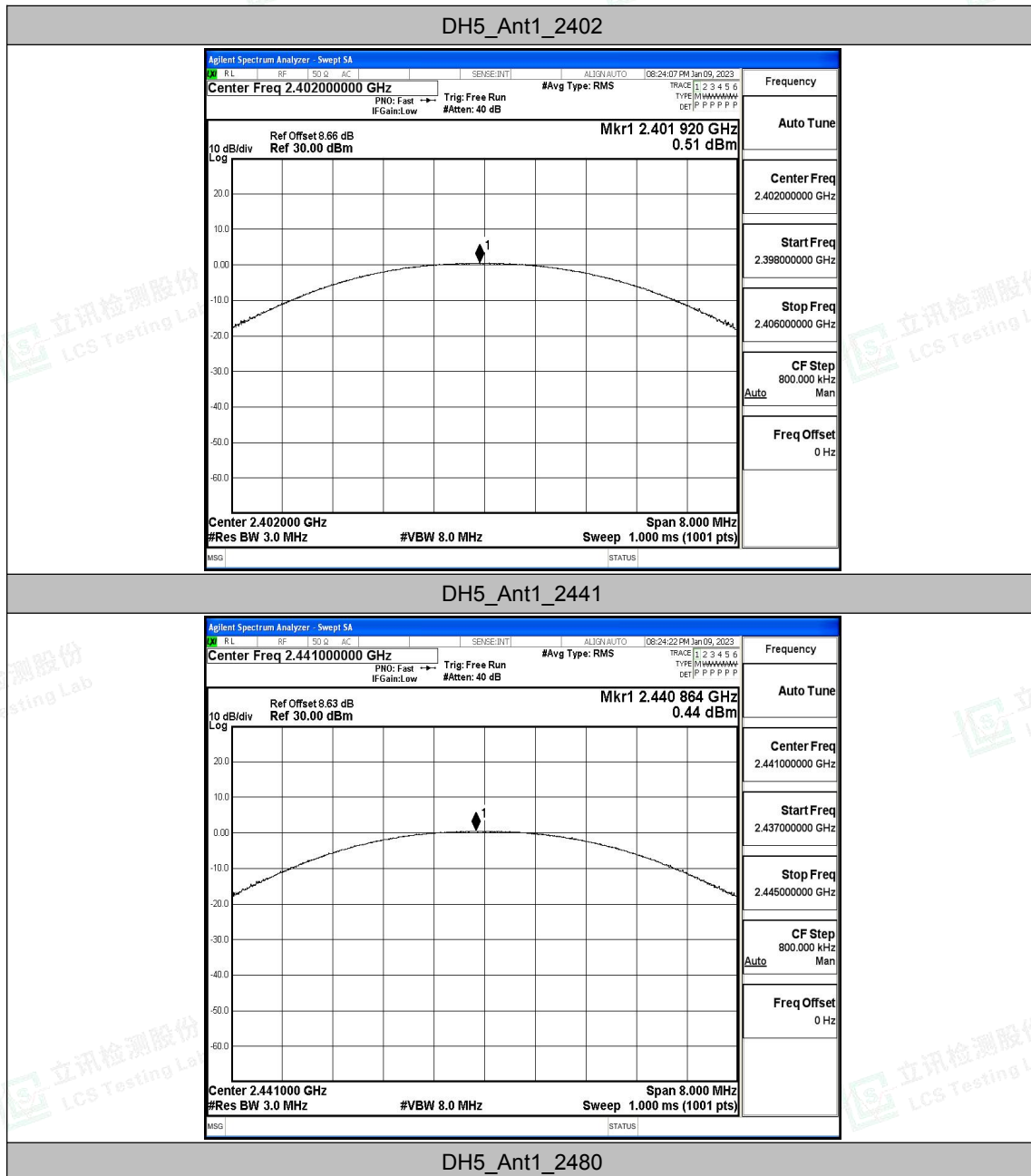
Test Result

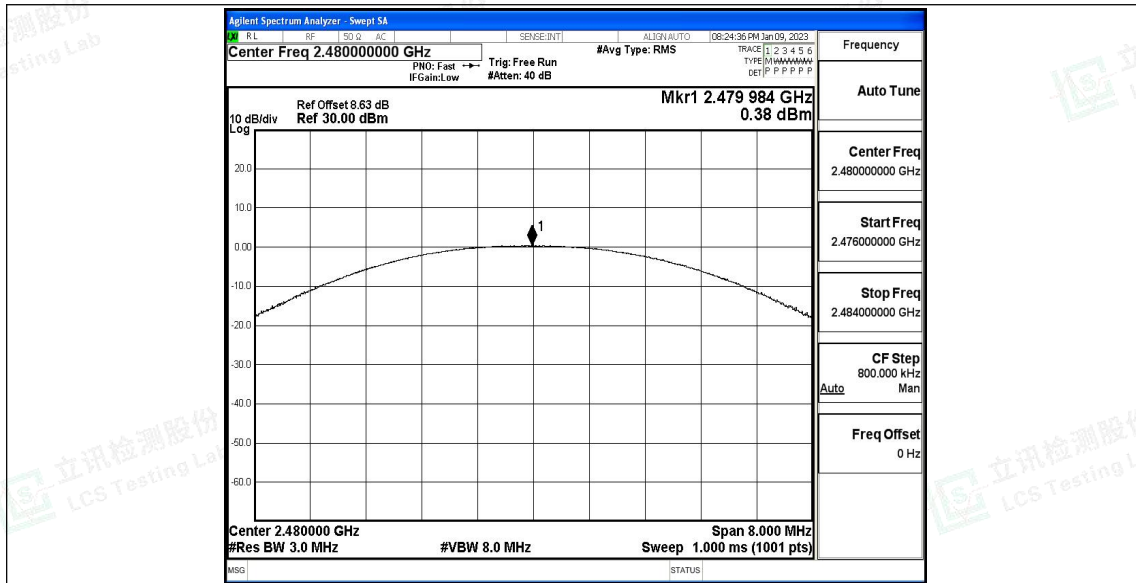
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	0.51	≤20.97	PASS
		2441	0.44	≤20.97	PASS
		2480	0.38	≤20.97	PASS
2DH5	Ant1	2402	0.01	≤20.97	PASS
		2441	-0.08	≤20.97	PASS
		2480	-0.03	≤20.97	PASS
3DH5	Ant1	2402	0.03	≤20.97	PASS
		2441	0.28	≤20.97	PASS
		2480	0.33	≤20.97	PASS



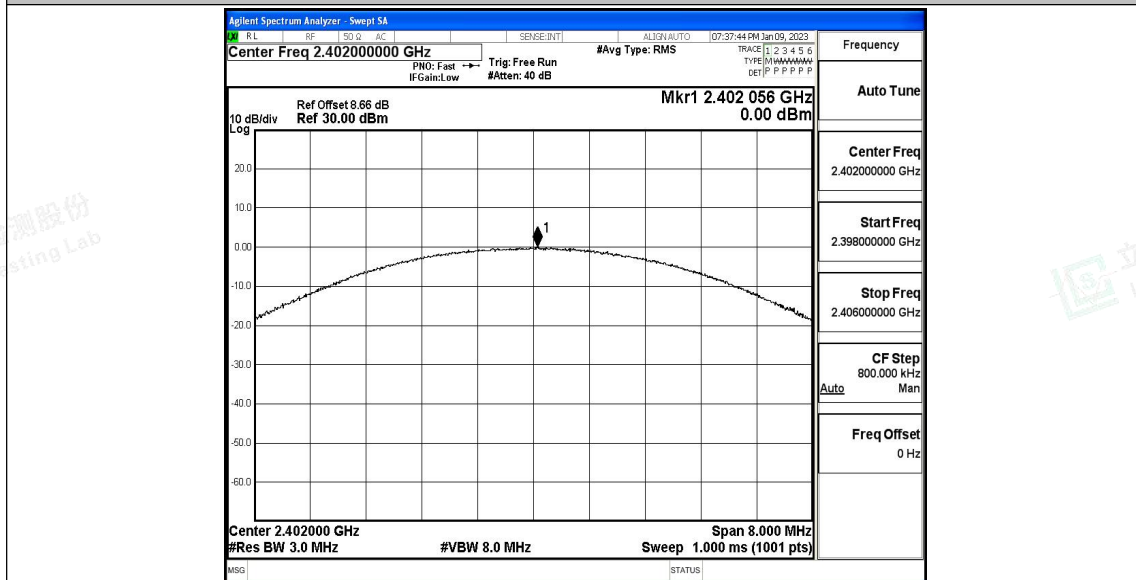


Test Graphs



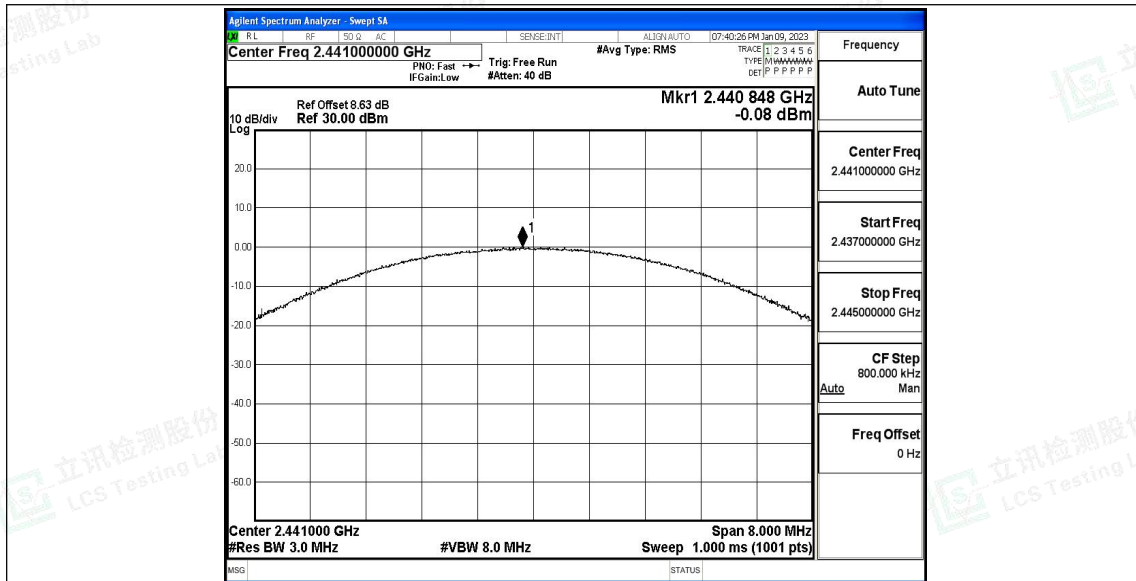


2DH5_Ant1_2402

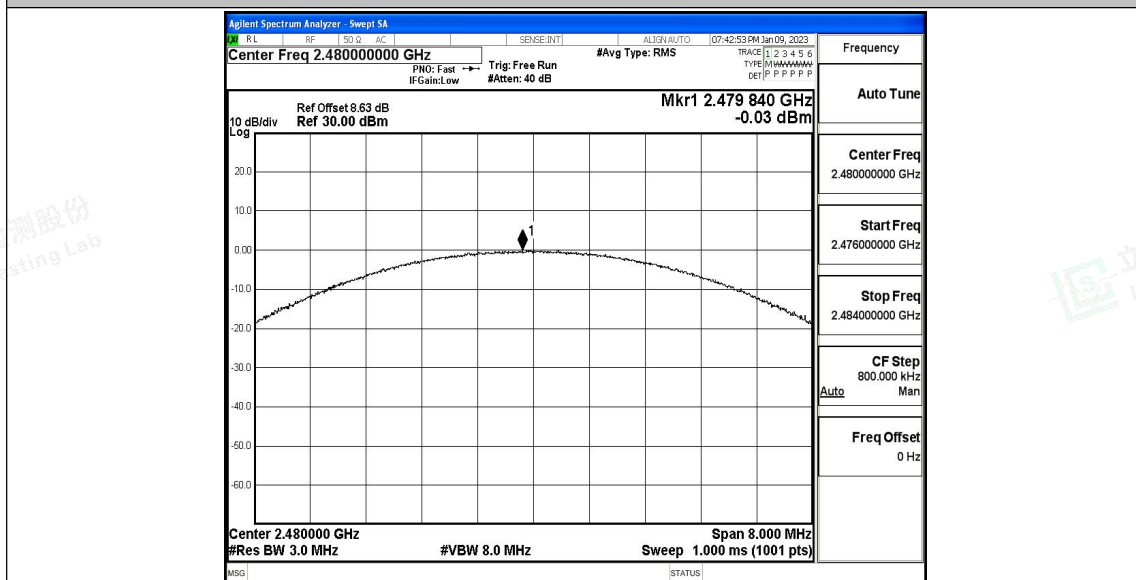


2DH5_Ant1_2441



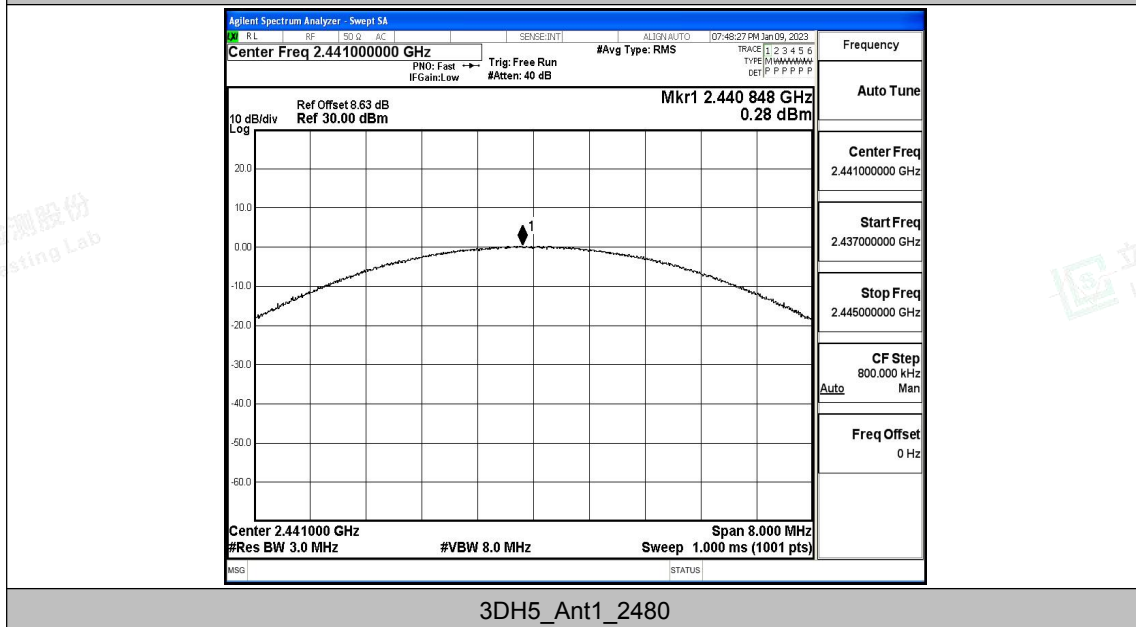
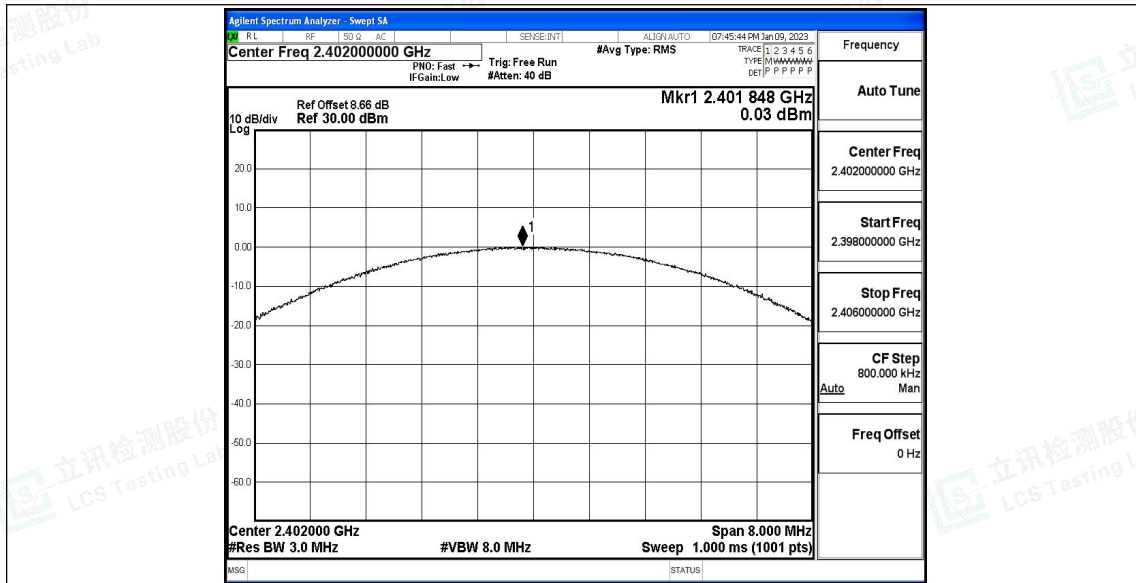


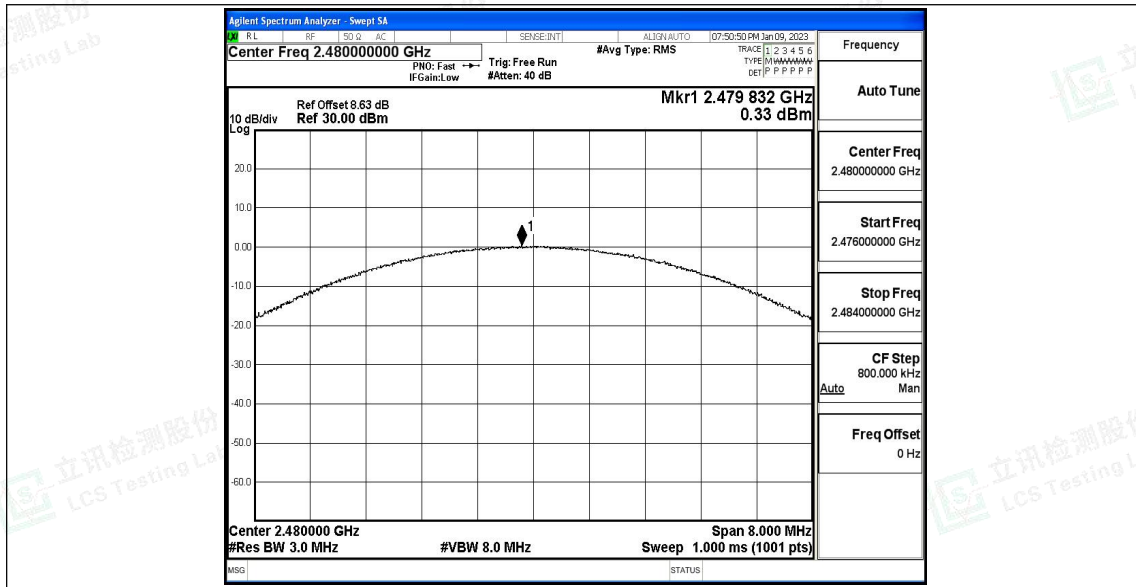
2DH5_Ant1_2480



3DH5_Ant1_2402









A.3 Carrier frequency separation

Test Result

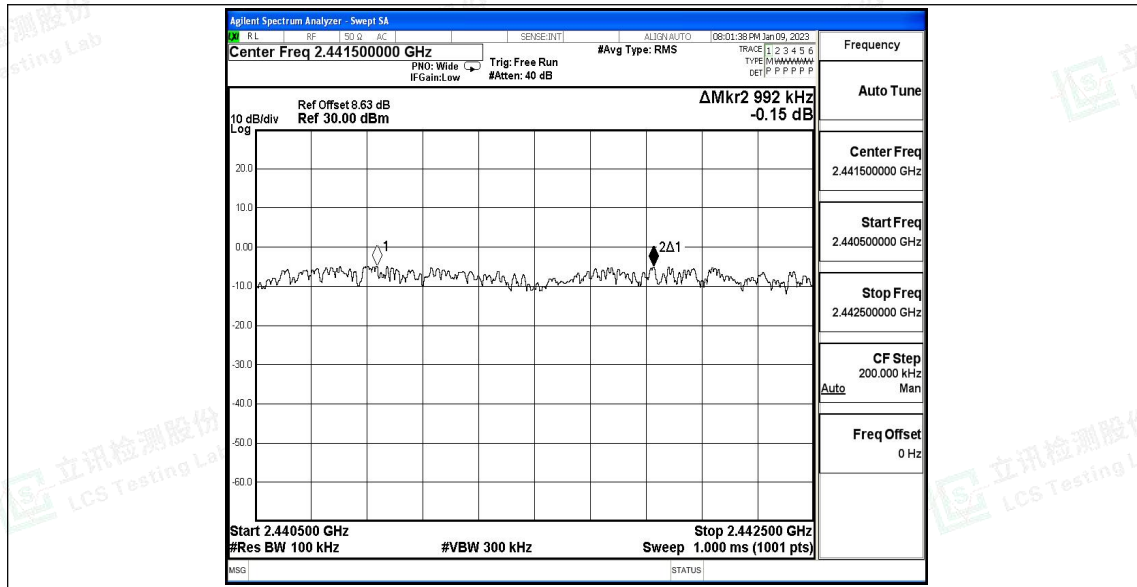
TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.012	≥ 0.692	PASS
2DH5	Ant1	Hop	1.306	≥ 0.900	PASS
3DH5	Ant1	Hop	0.992	≥ 0.862	PASS





Test Graphs





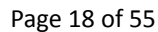


A.4 Time of occupancy

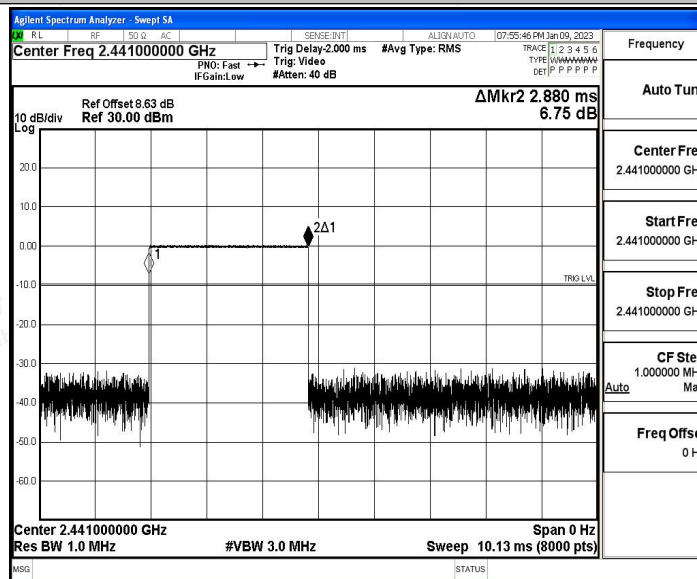
Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.88	106.67	0.307	≤0.4	PASS
2DH5	Ant1	Hop	2.88	106.67	0.307	≤0.4	PASS
3DH5	Ant1	Hop	2.89	106.67	0.308	≤0.4	PASS

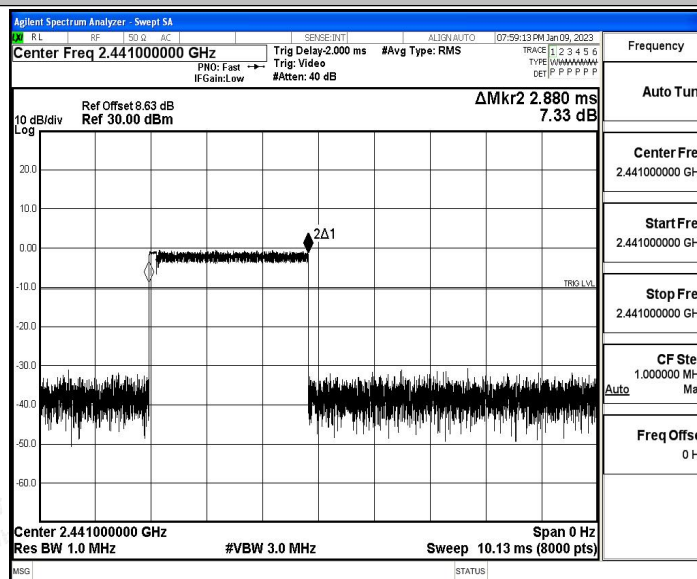




DH5_Ant1_Hop



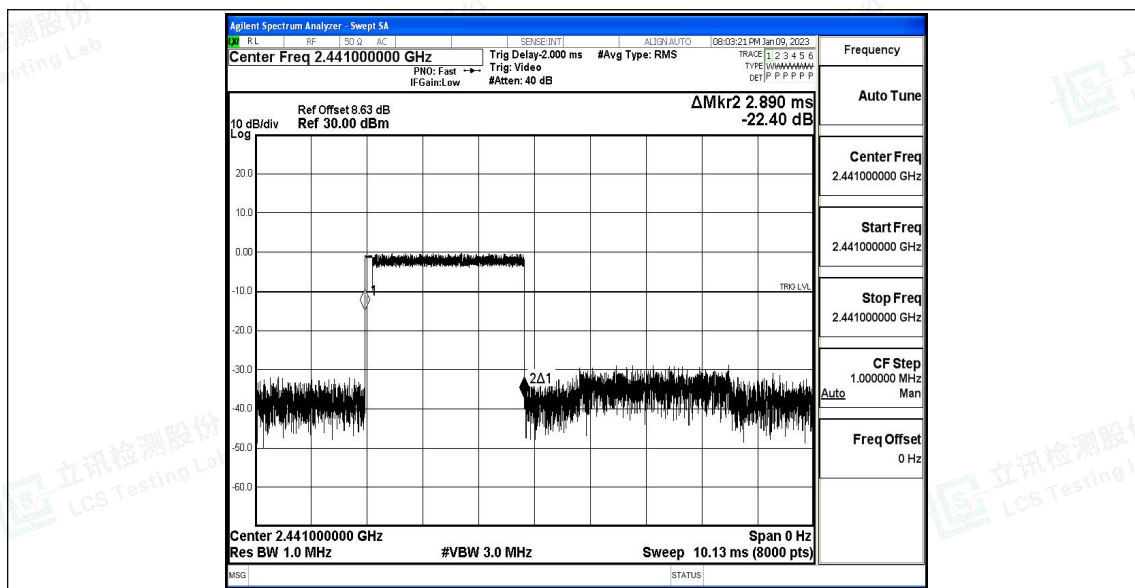
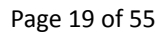
2DH5_Ant1_Hop



3DH5_Ant1_Hop



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A.5 Number of hopping channels

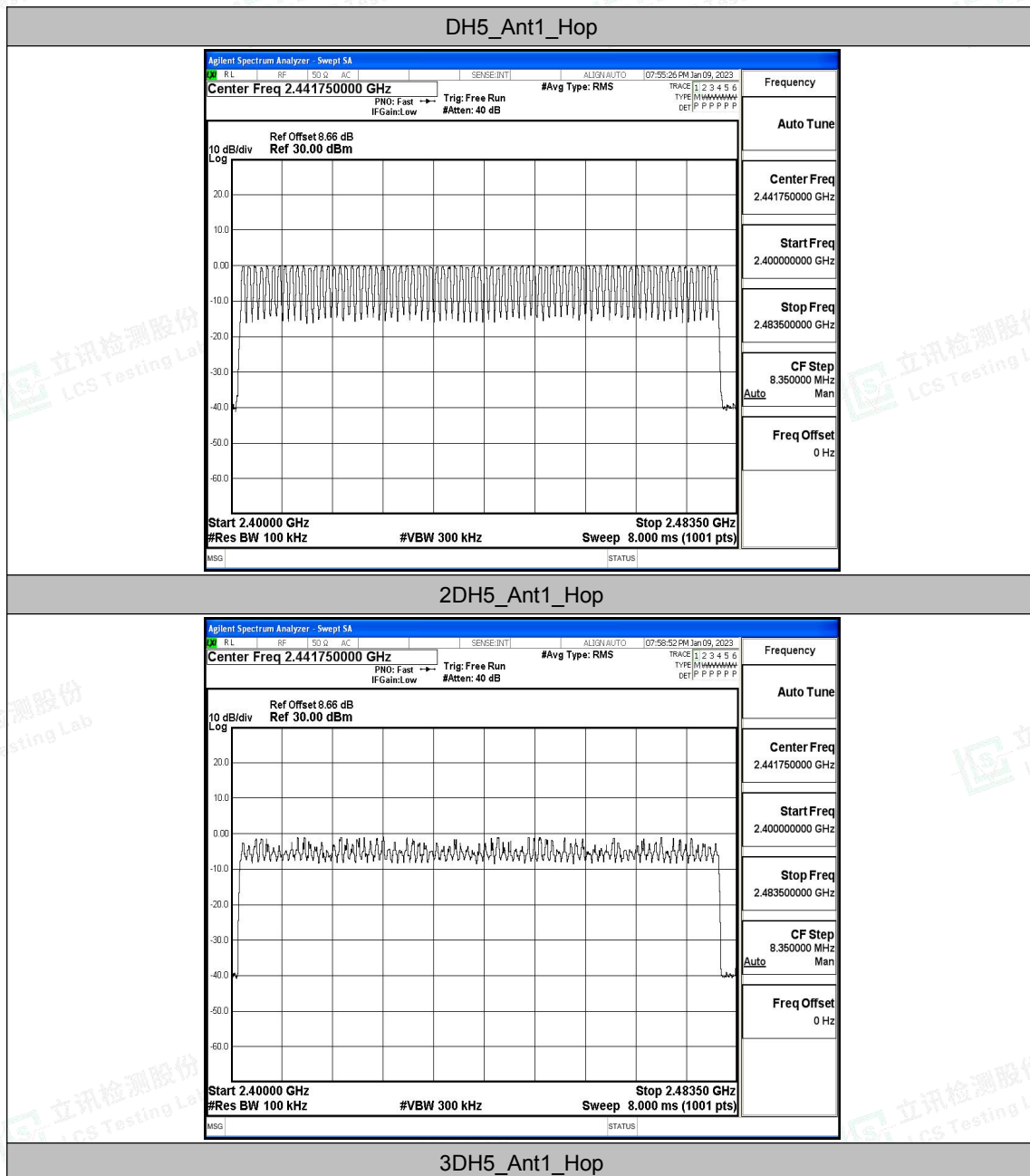
Test Result

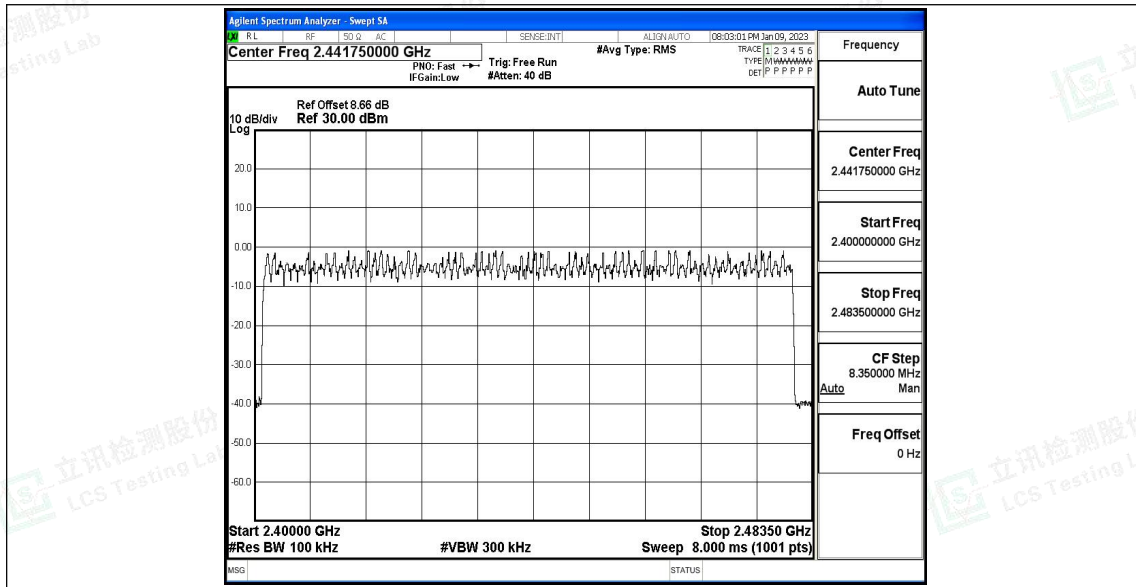
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS





Test Graphs







A.6 Band edge measurements

Test Result

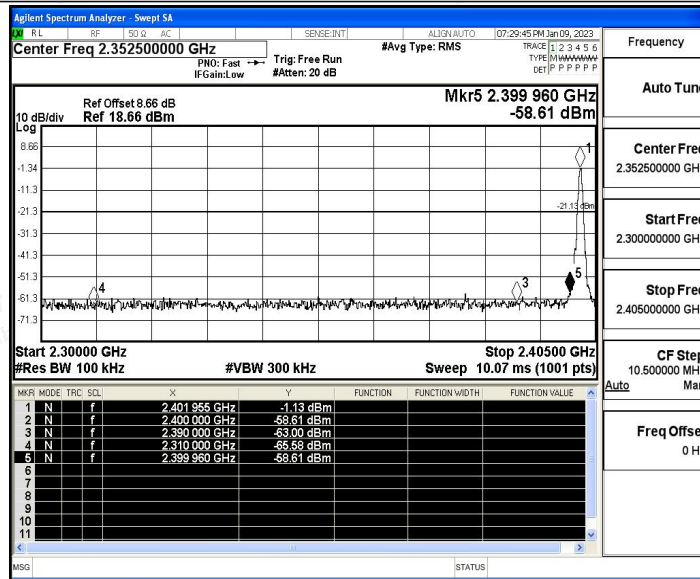
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-1.13	-58.61	≤ -21.13	PASS
		High	2480	-0.90	-59.15	≤ -20.9	PASS
		Low	Hop_2402	-0.65	-59.41	≤ -20.65	PASS
		High	Hop_2480	-0.35	-58	≤ -20.35	PASS
2DH5	Ant1	Low	2402	-5.22	-58.74	≤ -25.22	PASS
		High	2480	-5.27	-59.64	≤ -25.27	PASS
		Low	Hop_2402	-5.79	-59.18	≤ -25.79	PASS
		High	Hop_2480	-4.31	-58.04	≤ -24.31	PASS
3DH5	Ant1	Low	2402	-4.85	-58.72	≤ -24.85	PASS
		High	2480	-1.14	-58.79	≤ -21.14	PASS
		Low	Hop_2402	-4.57	-59.09	≤ -24.57	PASS
		High	Hop_2480	-3.50	-57.47	≤ -23.5	PASS



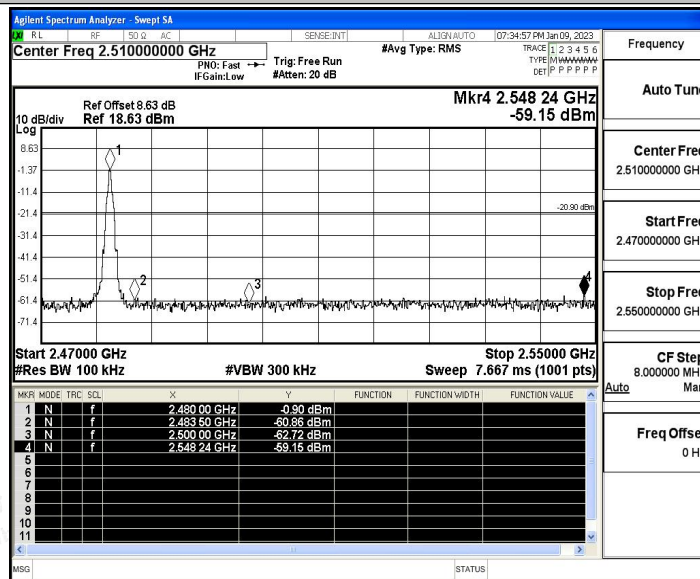


Test Graphs

DH5_Ant1_Low_2402



DH5_Ant1_High_2480



DH5_Ant1_Low_Hop_2402

