



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: 9 INCH PORTABLE DVD/CD PLAYER

Test Model: HJ09JRB01

Environmental Conditions

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





A.1 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.957	2401.544	2402.501	---	---
		2441	0.972	2440.535	2441.507	---	---
		2480	0.972	2479.538	2480.510	---	---
2DH5	Ant1	2402	1.293	2401.364	2402.657	---	---
		2441	1.290	2440.367	2441.657	---	---
		2480	1.290	2479.367	2480.657	---	---
3DH5	Ant1	2402	1.308	2401.349	2402.657	---	---
		2441	1.305	2440.352	2441.657	---	---
		2480	1.311	2479.349	2480.660	---	---

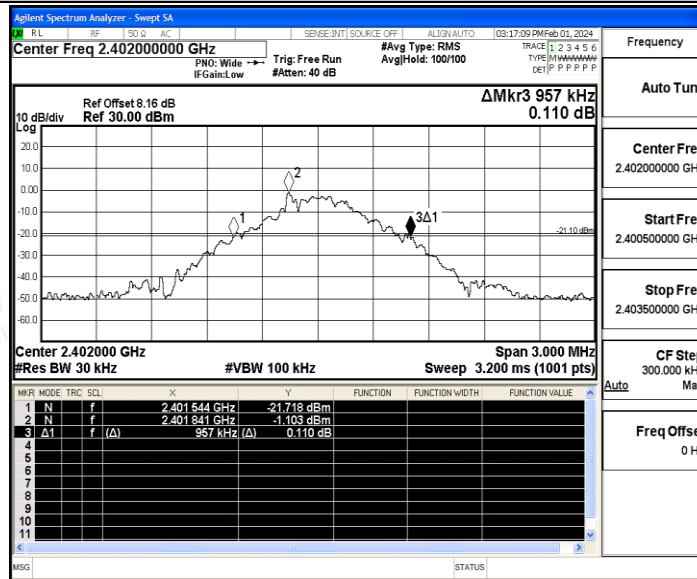


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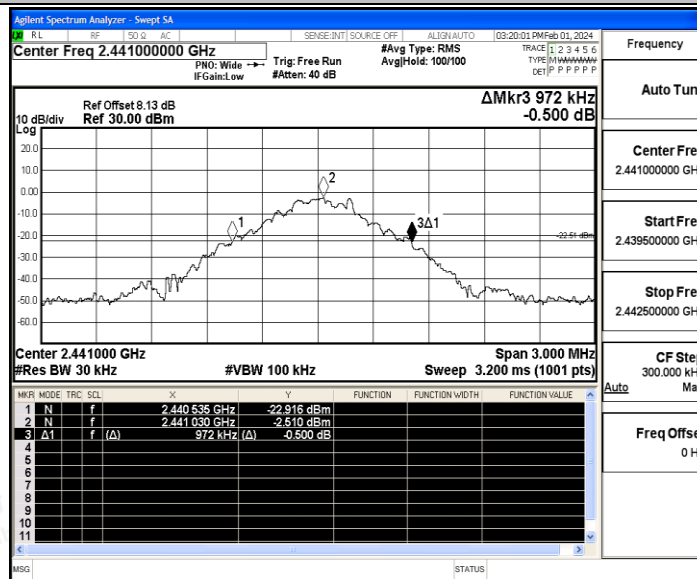


Test Graphs

DH5_Ant1_2402

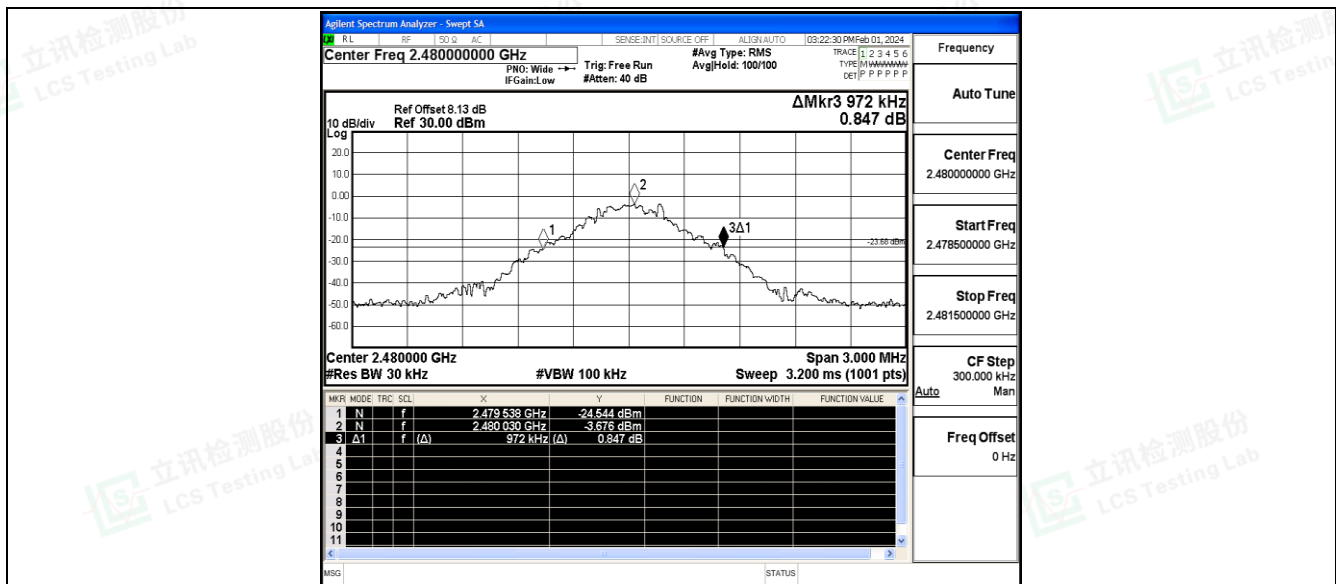


DH5_Ant1_2441

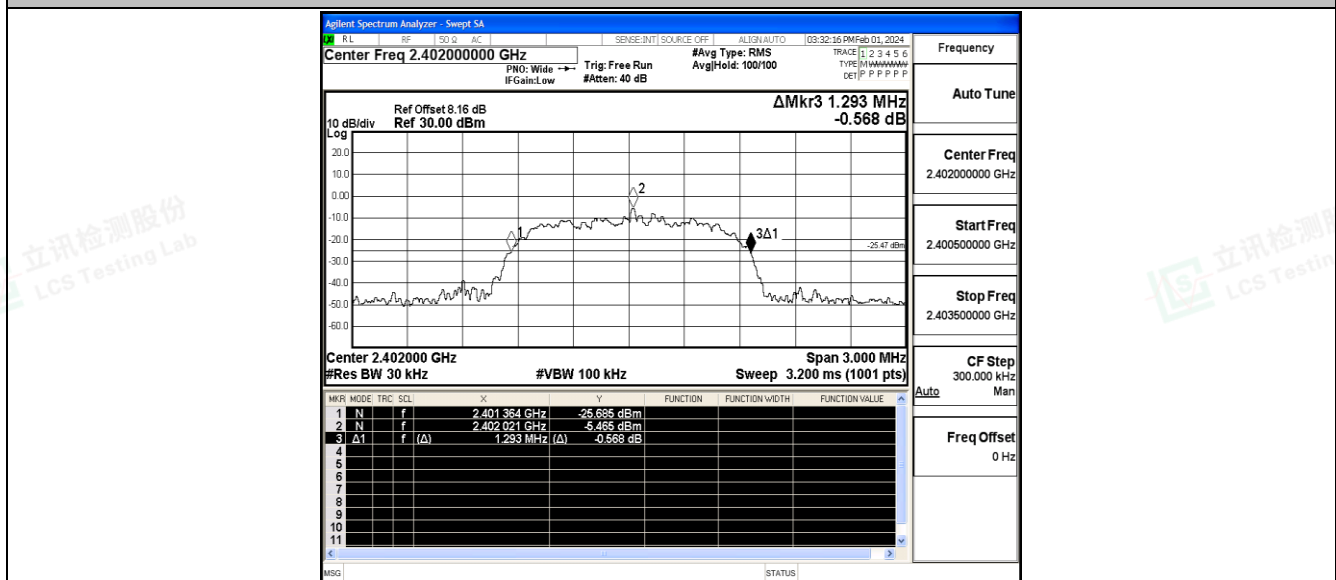


DH5_Ant1_2480





2DH5_Ant1_2402



2DH5_Ant1_2441

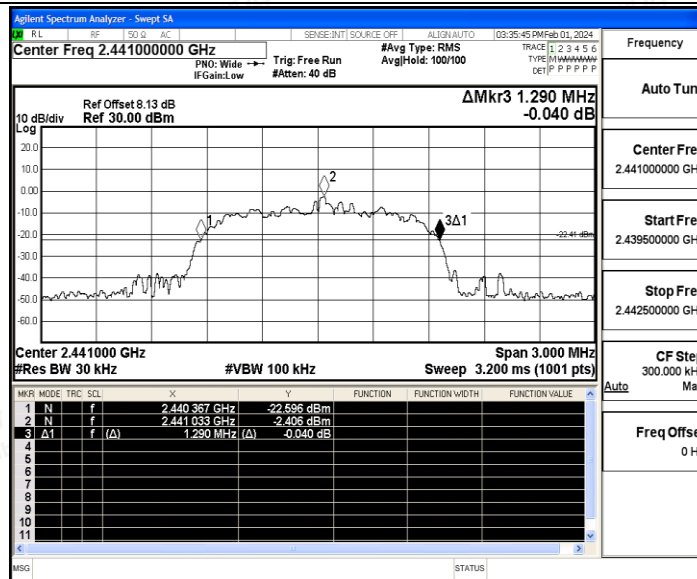


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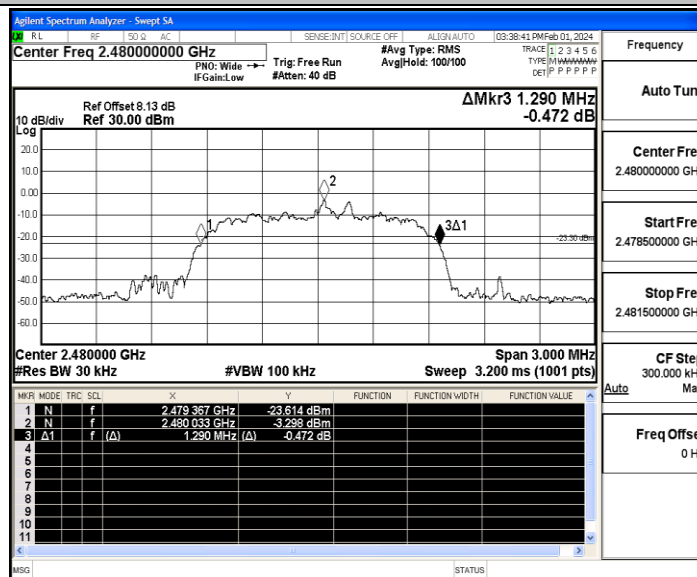
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2DH5_Ant1_2480



3DH5_Ant1_2402

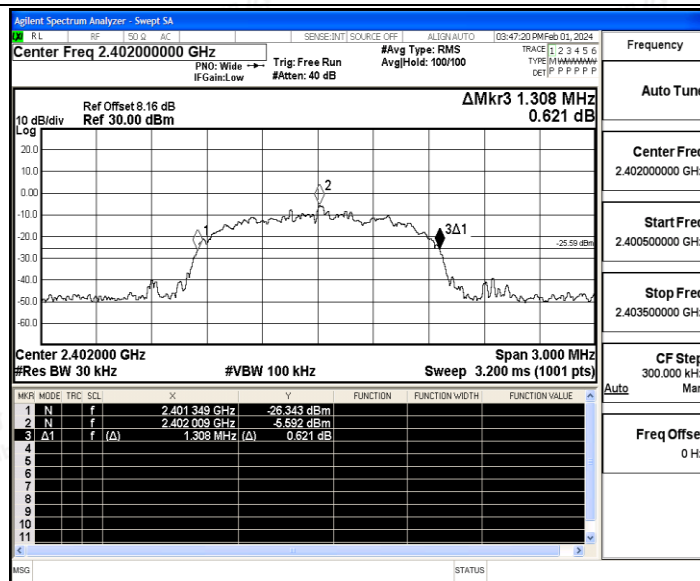


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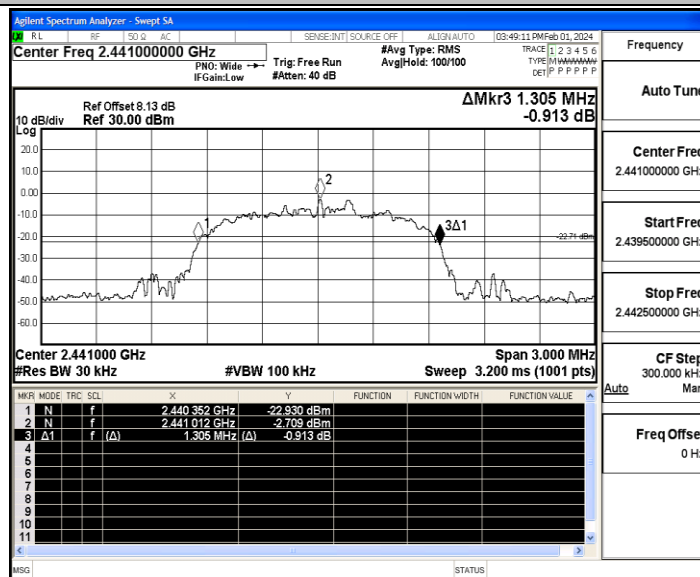
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3DH5_Ant1_2441



3DH5_Ant1_2480

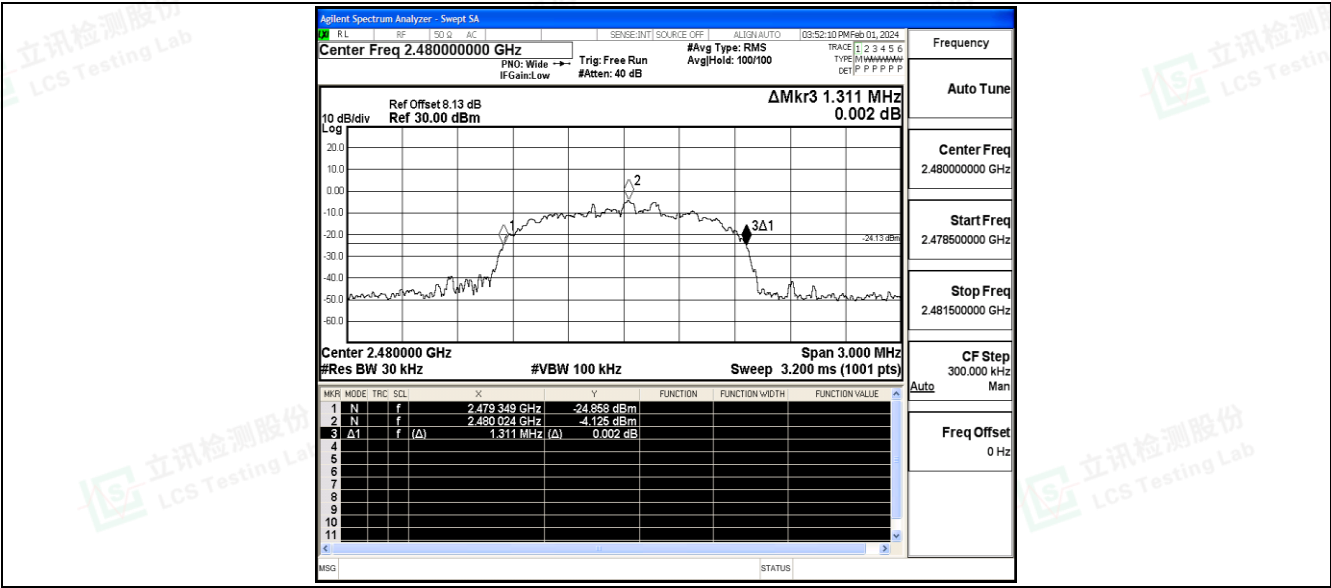


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A.2 Maximum conducted output power

Test Result Peak

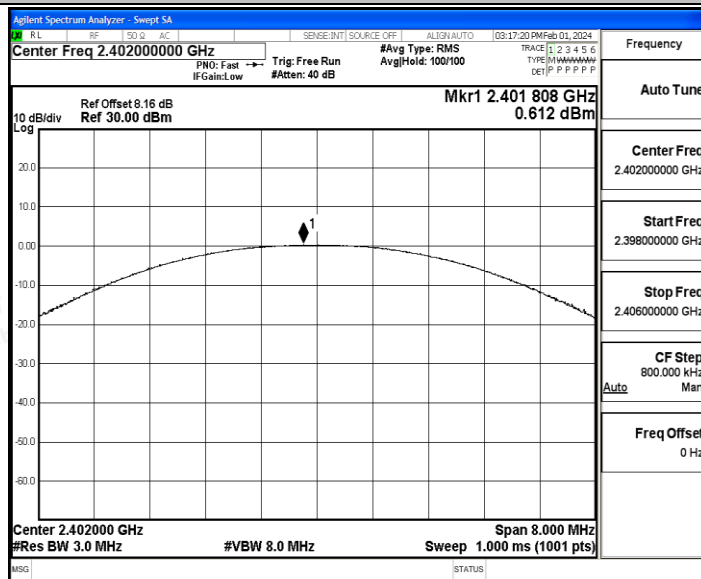
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.61	≤20.97	PASS
		2441	0.30	≤20.97	PASS
		2480	-0.96	≤20.97	PASS
2DH5	Ant1	2402	-0.63	≤20.97	PASS
		2441	1.73	≤20.97	PASS
		2480	0.71	≤20.97	PASS
3DH5	Ant1	2402	-0.35	≤20.97	PASS
		2441	1.99	≤20.97	PASS
		2480	0.79	≤20.97	PASS



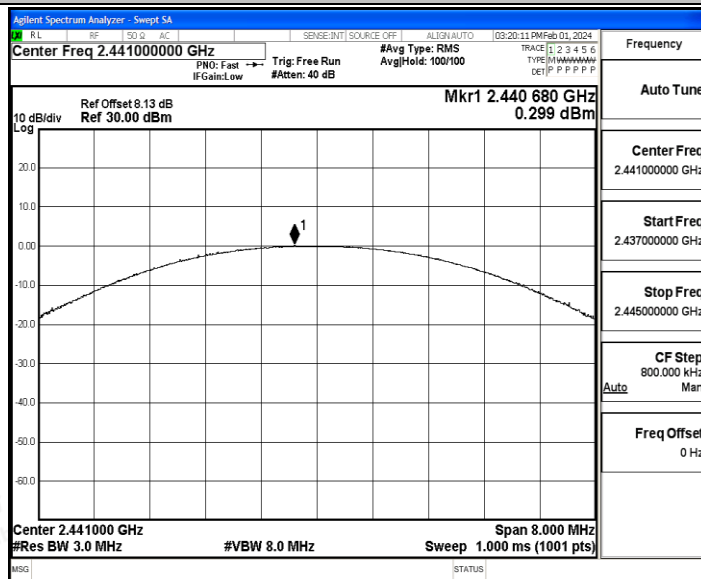


Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480

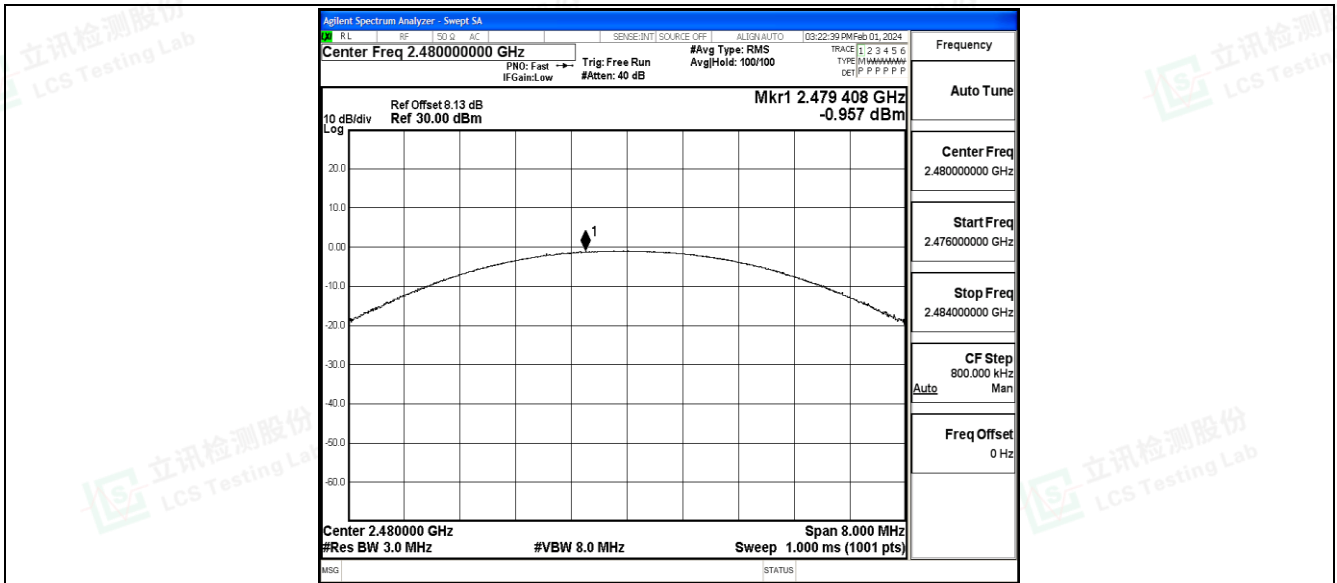


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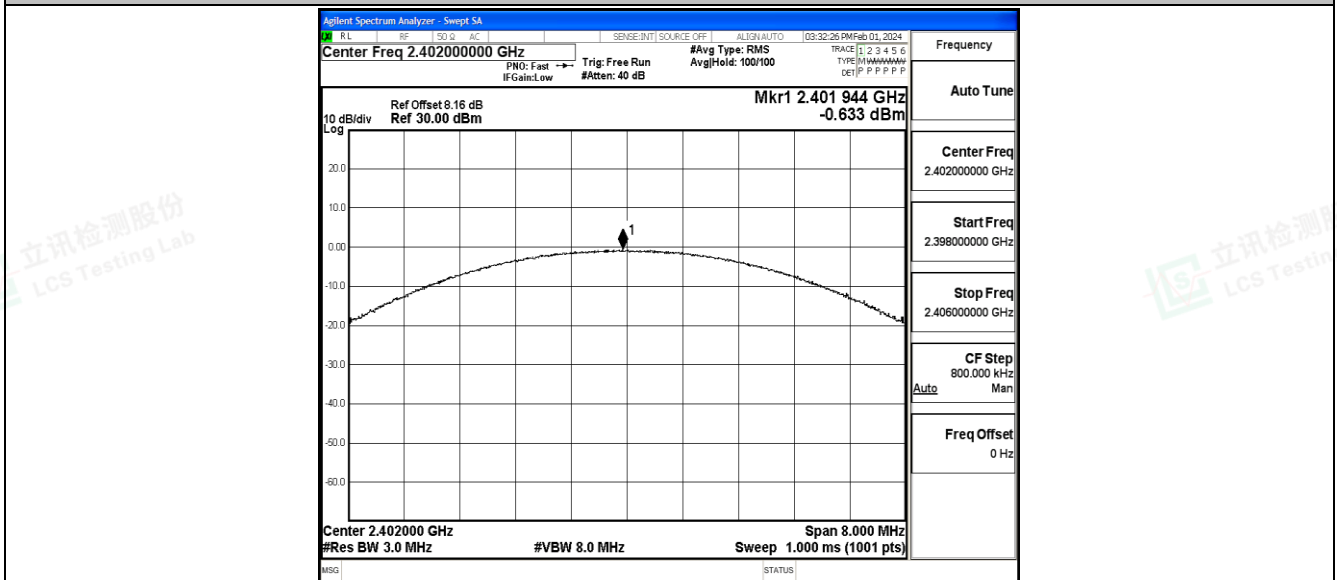
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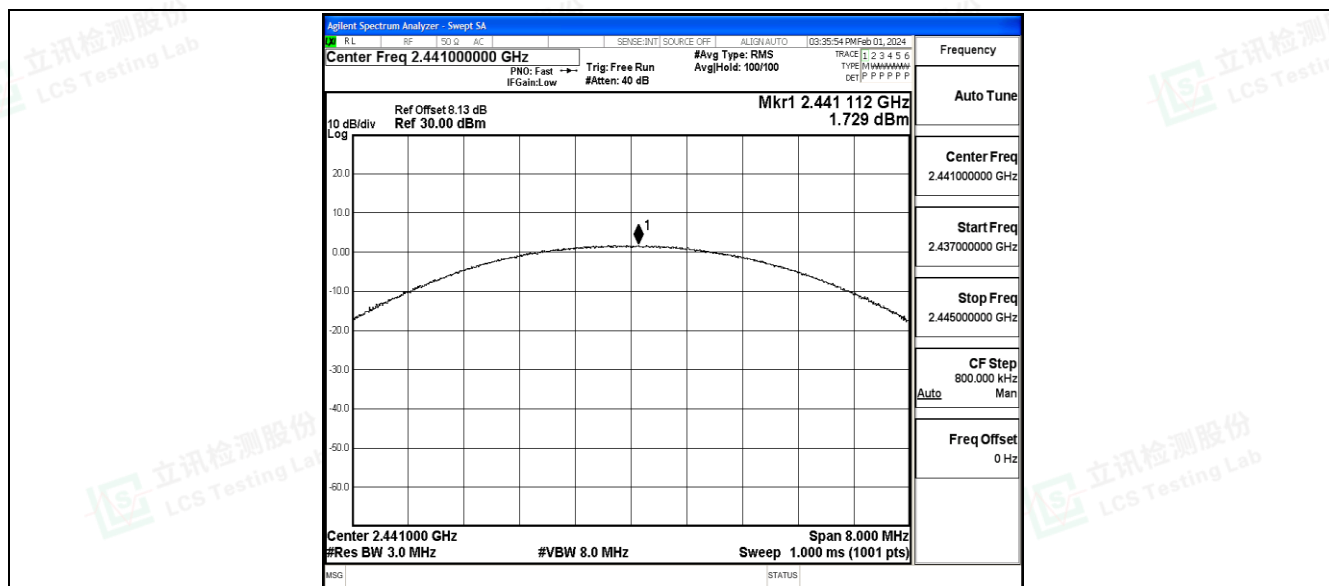


2DH5_Ant1_2402

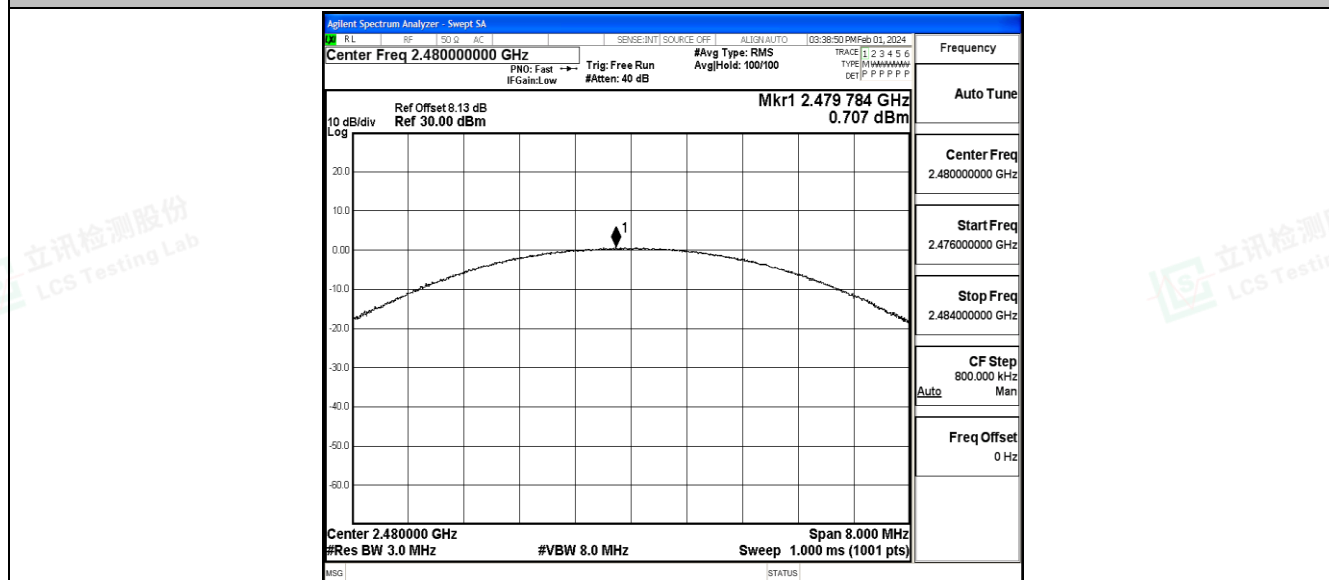


2DH5_Ant1_2441



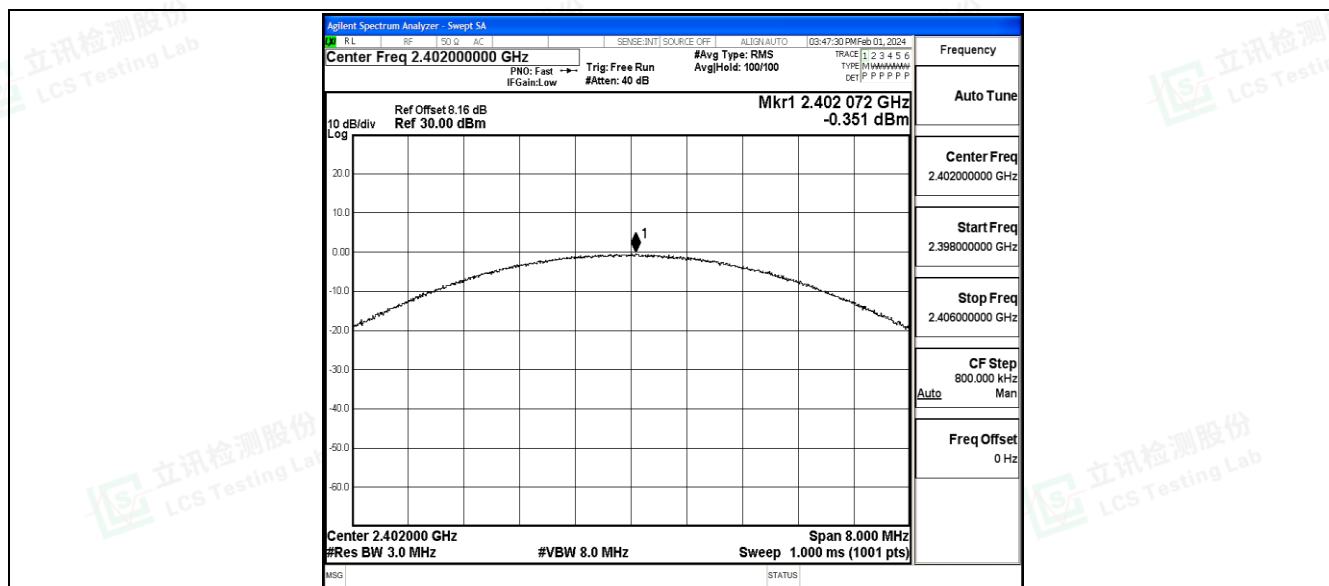


2DH5_Ant1_2480

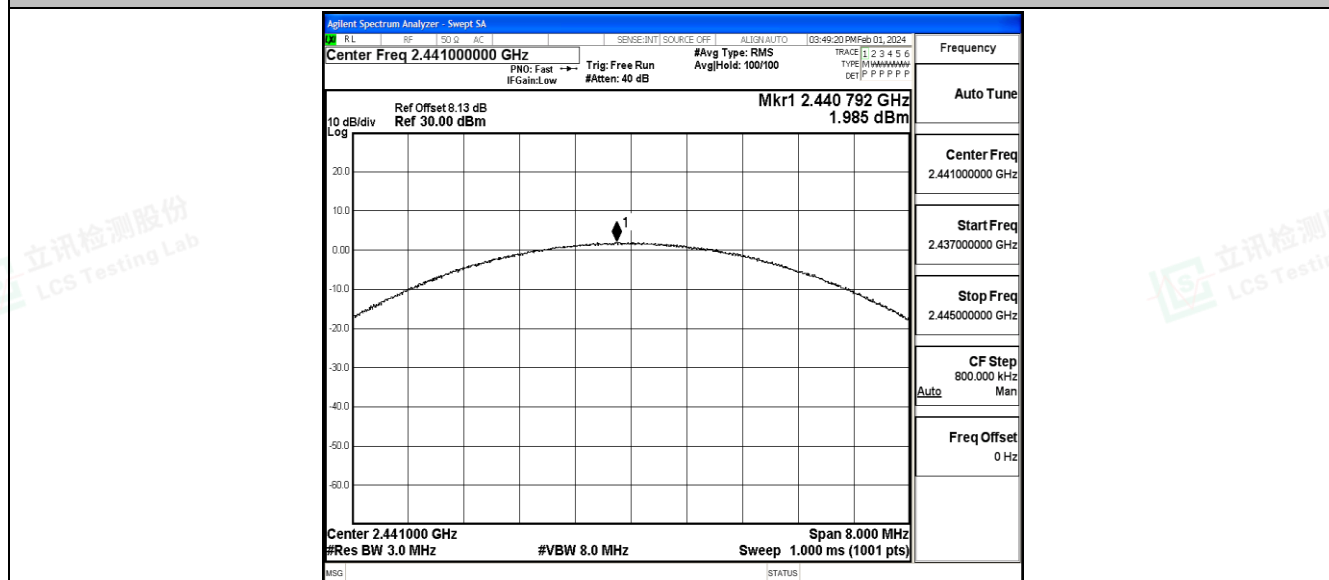


3DH5_Ant1_2402





3DH5_Ant1_2441



3DH5_Ant1_2480

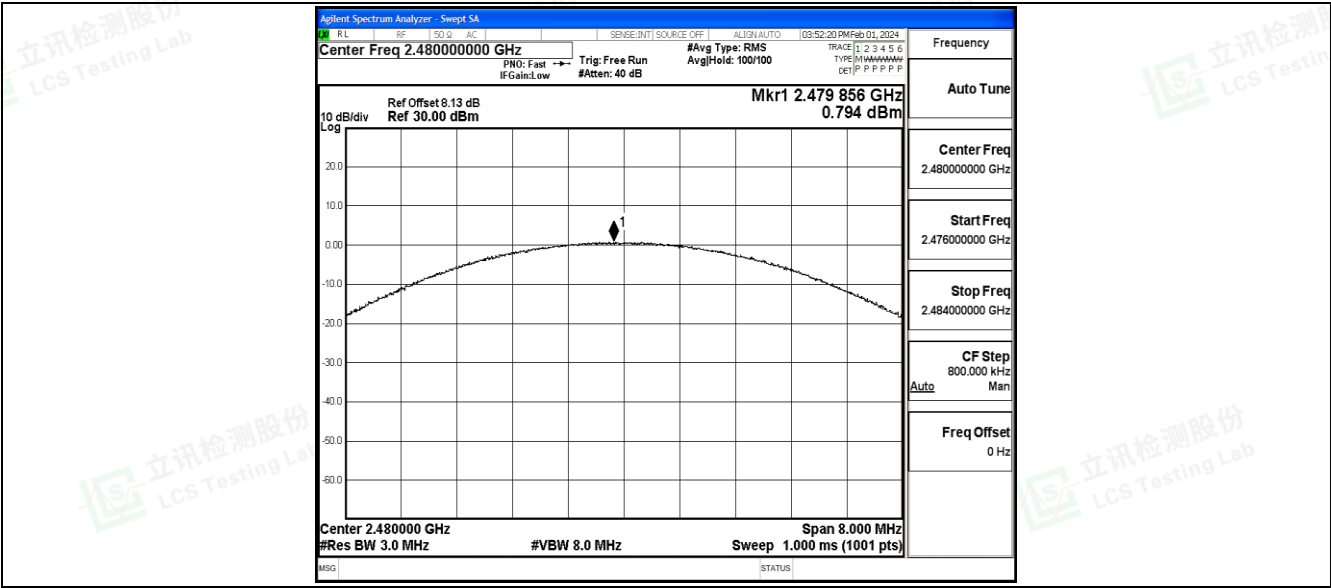


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A.3 Carrier frequency separation

Test Result

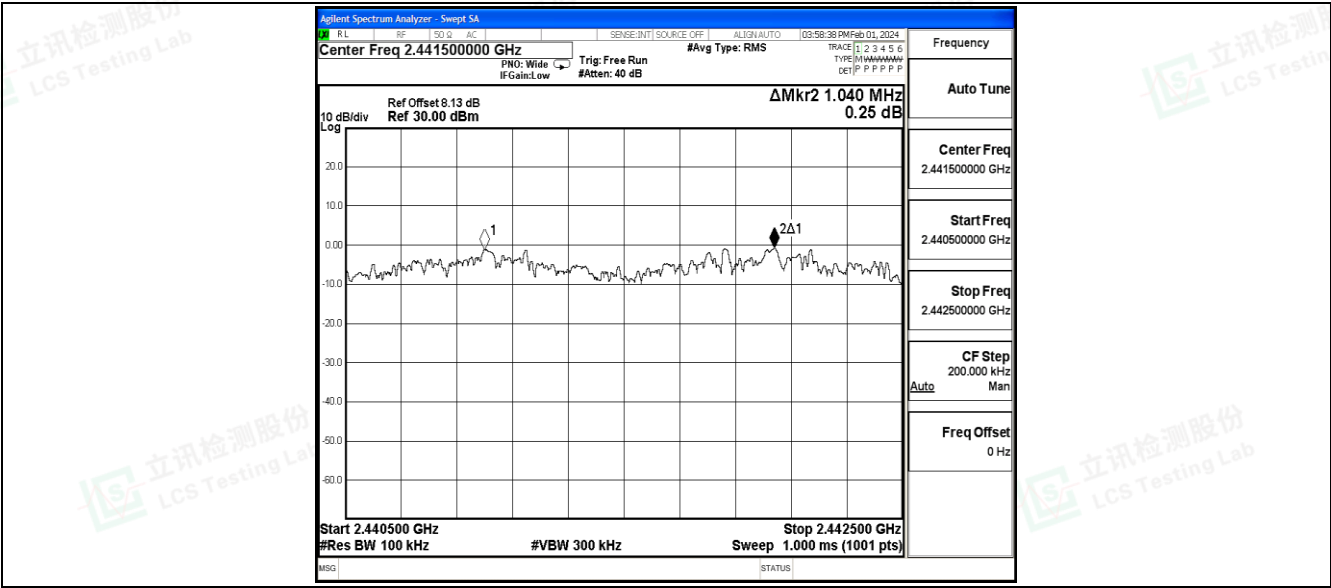
TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.196	≥0.972	PASS
2DH5	Ant1	Hop	0.994	≥0.862	PASS
3DH5	Ant1	Hop	1.04	≥0.874	PASS





Test Graphs







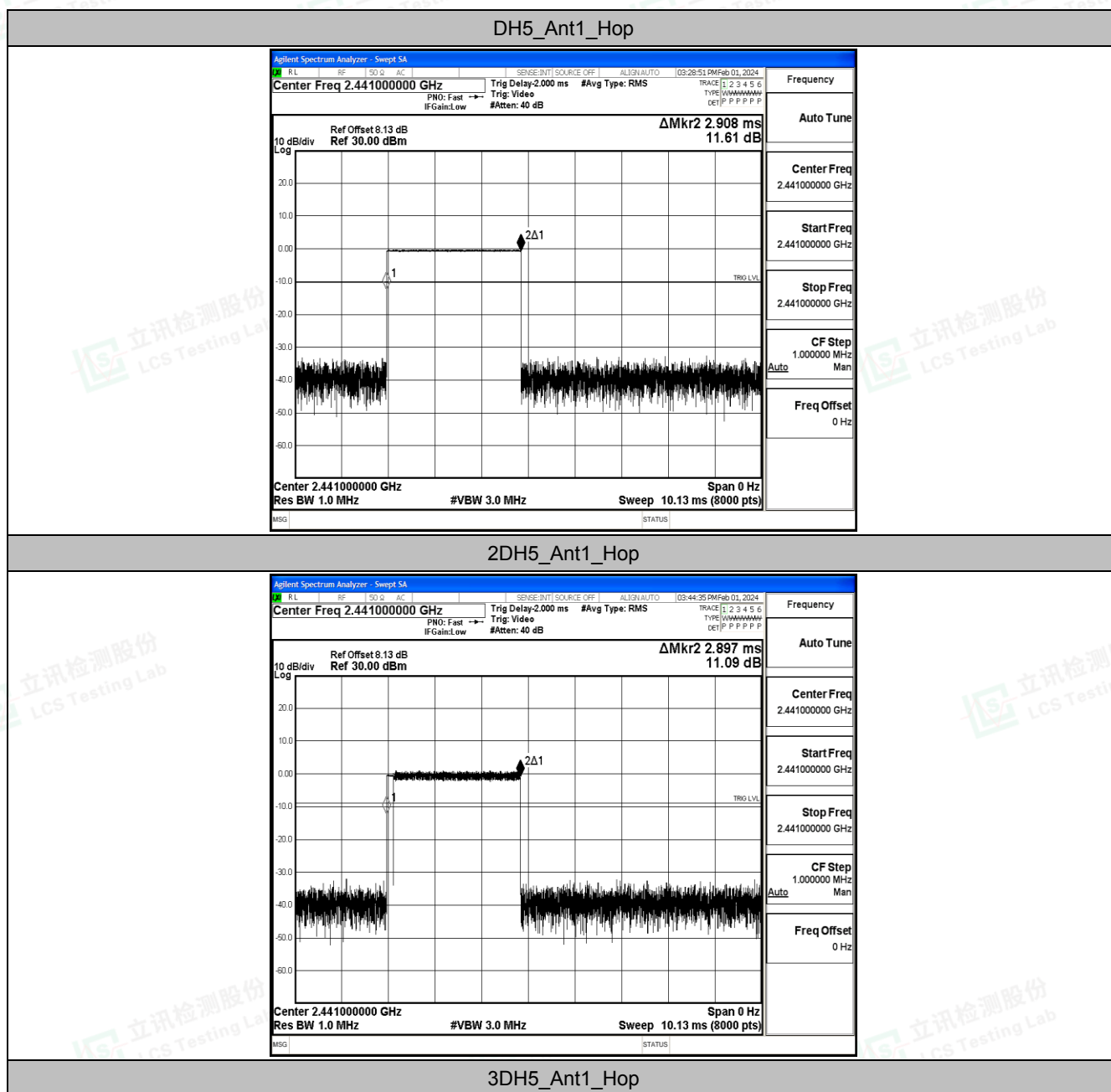
A.4 Time of occupancy

Test Result

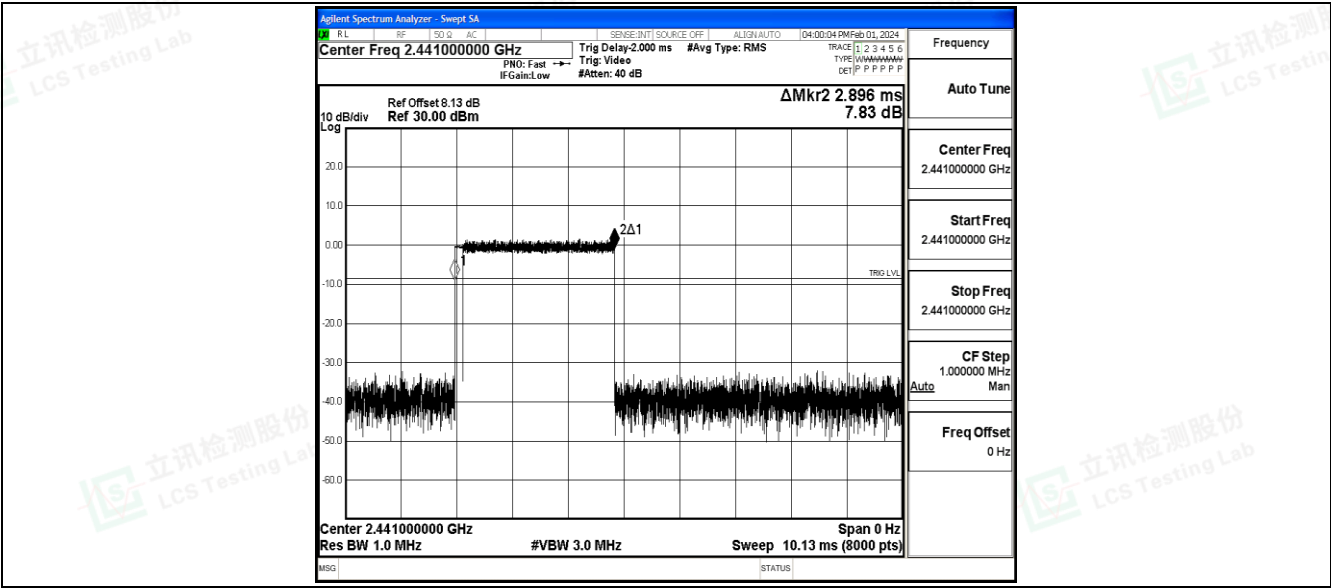
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.908	106.67	0.31	≤0.4	PASS
2DH5	Ant1	Hop	2.897	106.67	0.309	≤0.4	PASS
3DH5	Ant1	Hop	2.896	106.67	0.309	≤0.4	PASS



Test Graphs



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A.5 Number of hopping channels

Test Result

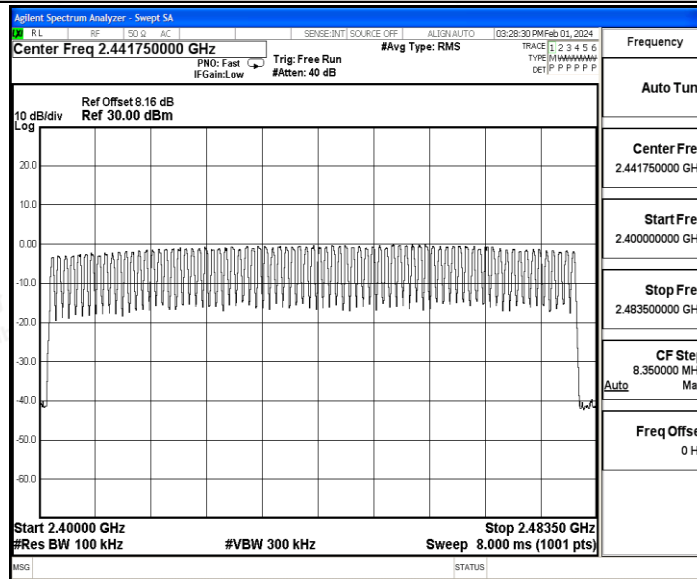
TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS



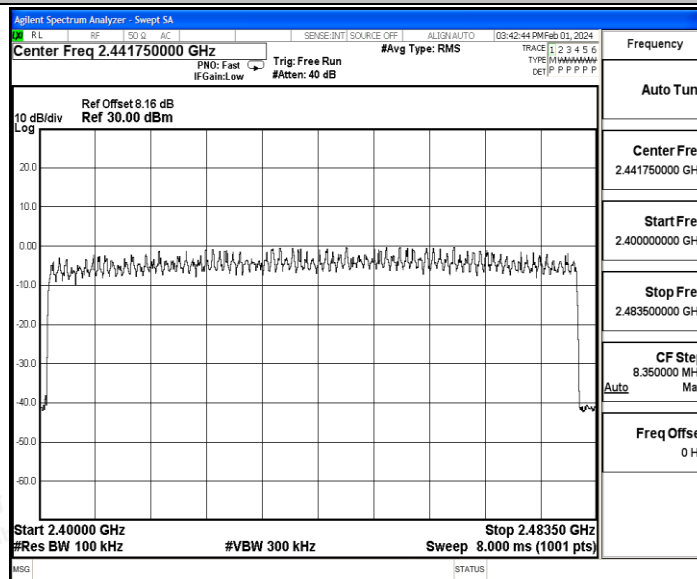


Test Graphs

DH5_Ant1_Hop

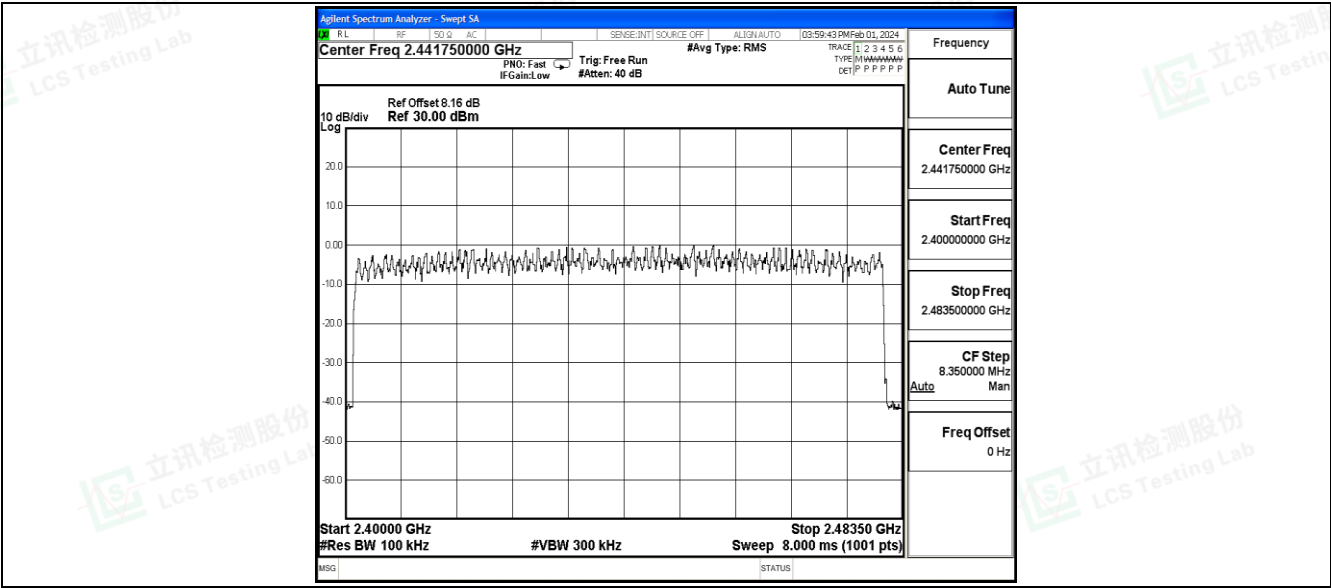


2DH5_Ant1_Hop



3DH5_Ant1_Hop





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A.6 Band edge measurements

Test Result

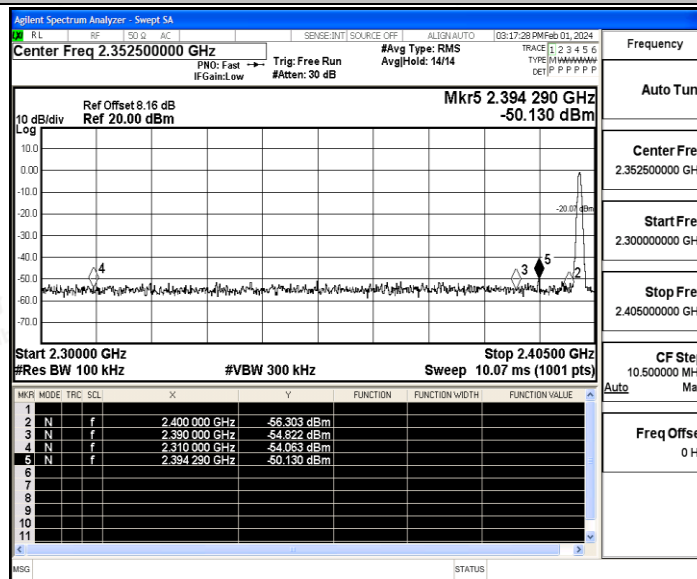
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.07	-50.13	≤ -20.07	PASS
		High	2480	-1.40	-50.09	≤ -21.4	PASS
		Low	Hop_2402	-3.68	-50.14	≤ -23.68	PASS
		High	Hop_2480	-1.42	-49.16	≤ -21.42	PASS
2DH5	Ant1	Low	2402	-3.30	-50.89	≤ -23.3	PASS
		High	2480	-2.35	-50.58	≤ -22.35	PASS
		Low	Hop_2402	-3.86	-50.16	≤ -23.86	PASS
		High	Hop_2480	-2.05	-49.16	≤ -22.05	PASS
3DH5	Ant1	Low	2402	-3.45	-51.03	≤ -23.45	PASS
		High	2480	-1.72	-49.79	≤ -21.72	PASS
		Low	Hop_2402	-3.53	-49.28	≤ -23.53	PASS
		High	Hop_2480	-2.65	-49.41	≤ -22.65	PASS



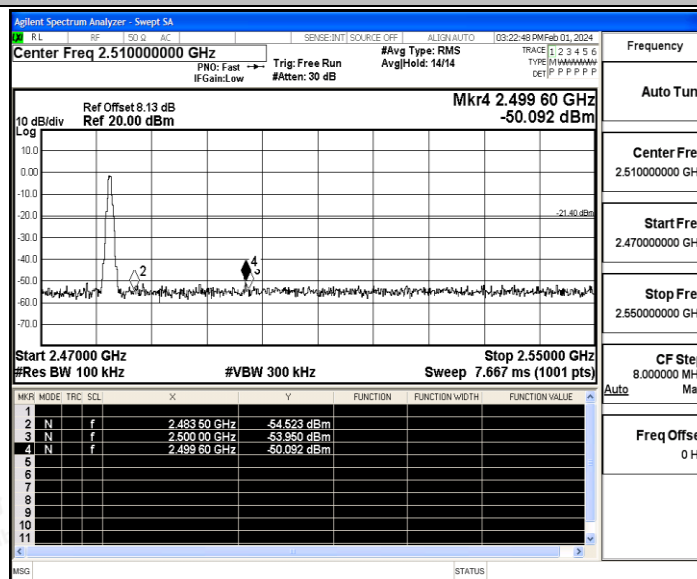


Test Graphs

DH5_Ant1_Low_2402



DH5_Ant1_High_2480



DH5_Ant1_Low_Hop_2402

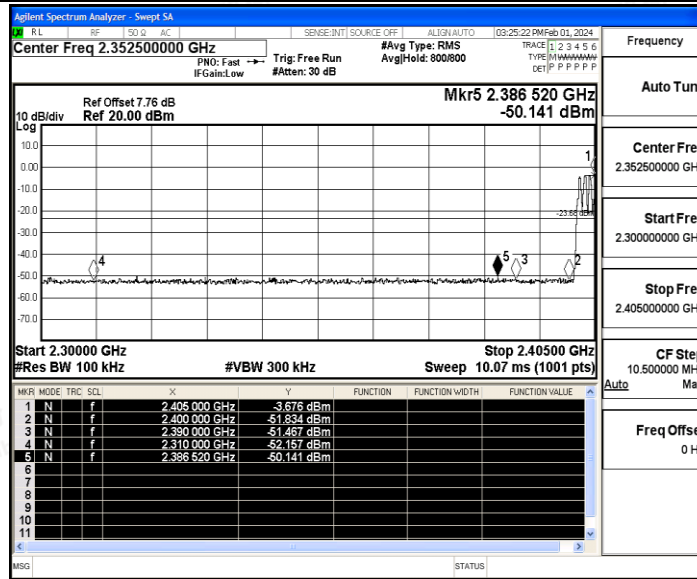


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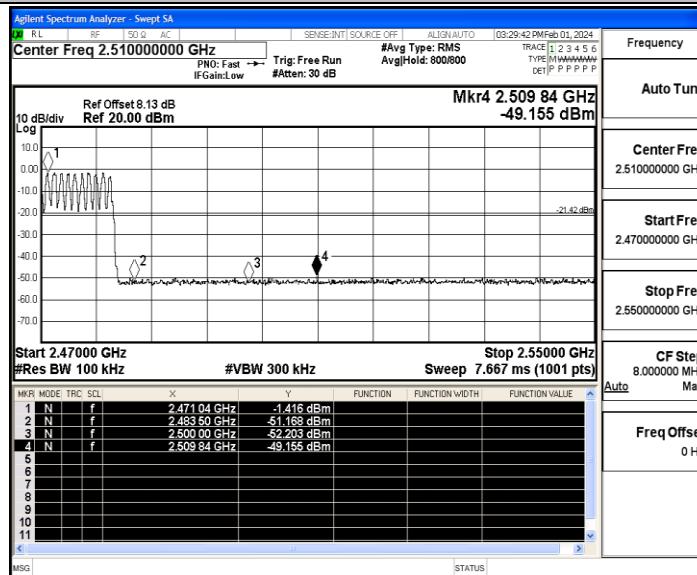
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DH5_Ant1_High_Hop_2480



2DH5_Ant1_Low_2402

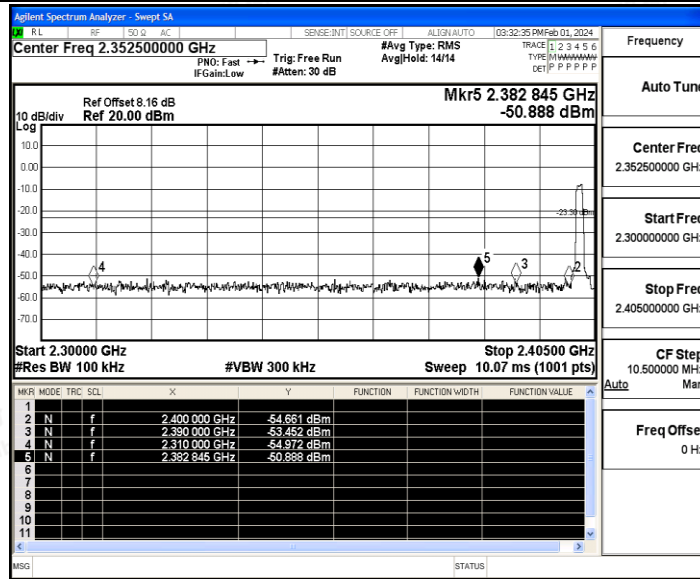


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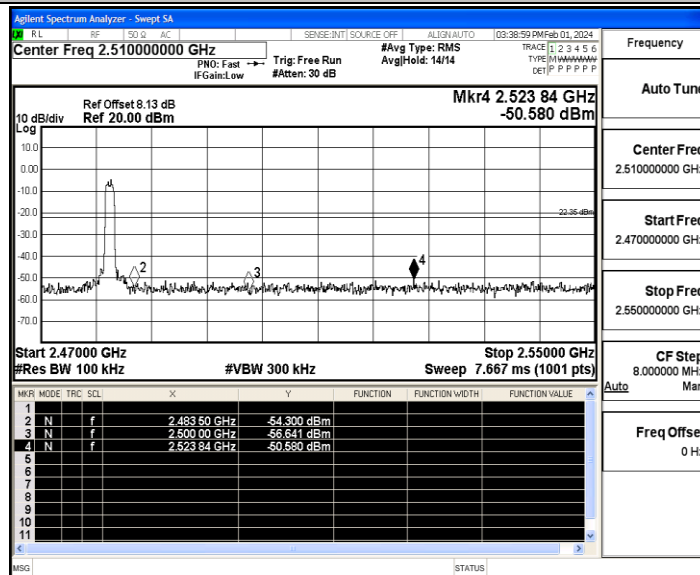
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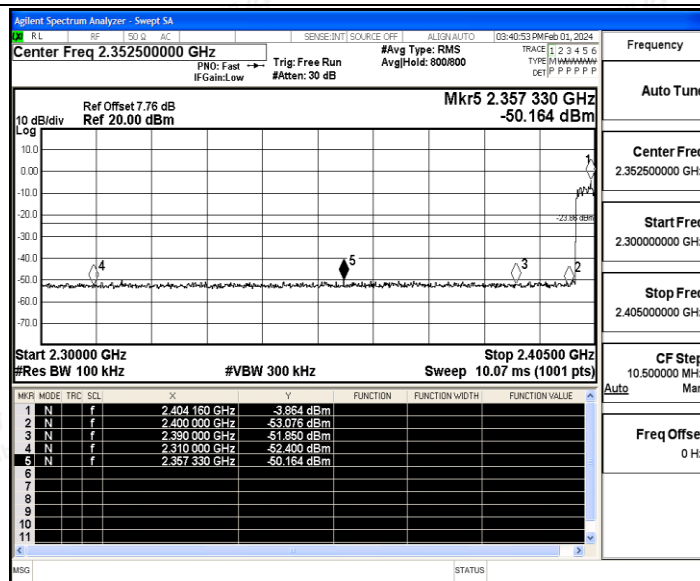


2DH5_Ant1_High_2480

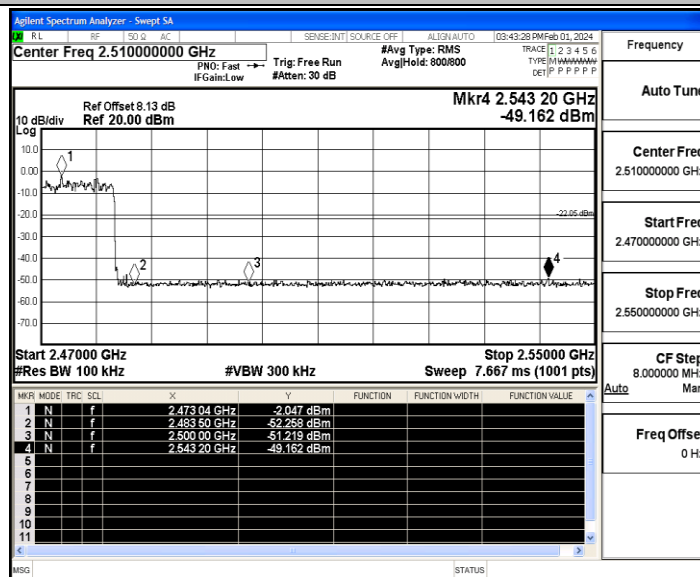


2DH5_Ant1_Low_Hop_2402





2DH5_Ant1_High_Hop_2480



3DH5_Ant1_Low_2402

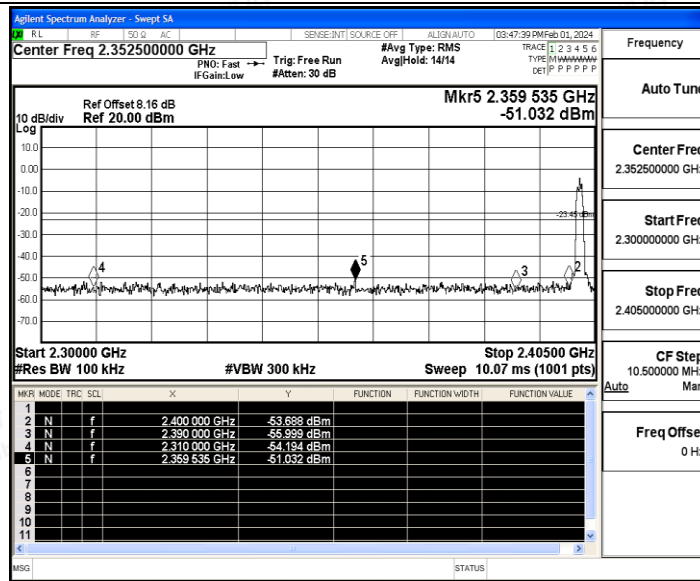


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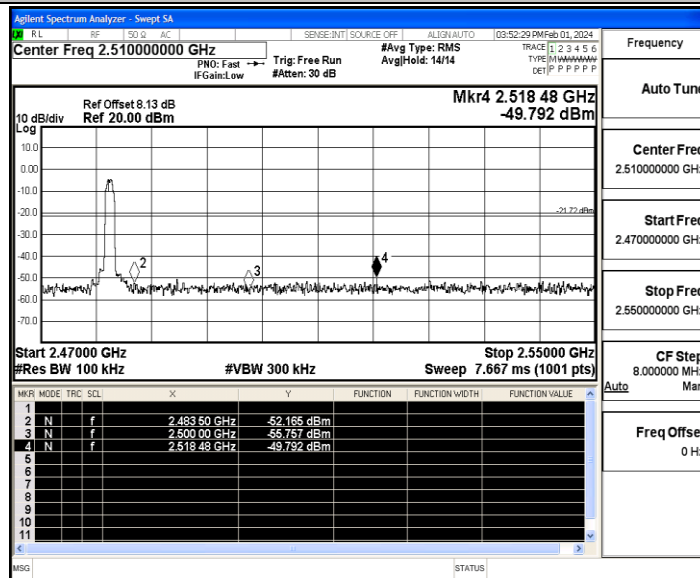
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3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402







A.7 Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	30~1000	-0.07	-61.75	≤-20.07	PASS
			1000~26500	-0.07	-47.72	≤-20.07	PASS
		2441	30~1000	-0.51	-61.4	≤-20.51	PASS
			1000~26500	-0.51	-48.72	≤-20.51	PASS
		2480	30~1000	-1.40	-61.24	≤-21.4	PASS
			1000~26500	-1.40	-49.59	≤-21.4	PASS
2DH5	Ant1	2402	30~1000	-3.30	-61.11	≤-23.3	PASS
			1000~26500	-3.30	-48.95	≤-23.3	PASS
		2441	30~1000	-0.57	-61.52	≤-20.57	PASS
			1000~26500	-0.57	-48.44	≤-20.57	PASS
		2480	30~1000	-2.35	-61.97	≤-22.35	PASS
			1000~26500	-2.35	-49.51	≤-22.35	PASS
3DH5	Ant1	2402	30~1000	-3.45	-61.53	≤-23.45	PASS
			1000~26500	-3.45	-49.51	≤-23.45	PASS
		2441	30~1000	-0.64	-62.04	≤-20.64	PASS
			1000~26500	-0.64	-49.24	≤-20.64	PASS
		2480	30~1000	-1.72	-61.68	≤-21.72	PASS
			1000~26500	-1.72	-49.77	≤-21.72	PASS

Reference Level

Test Result

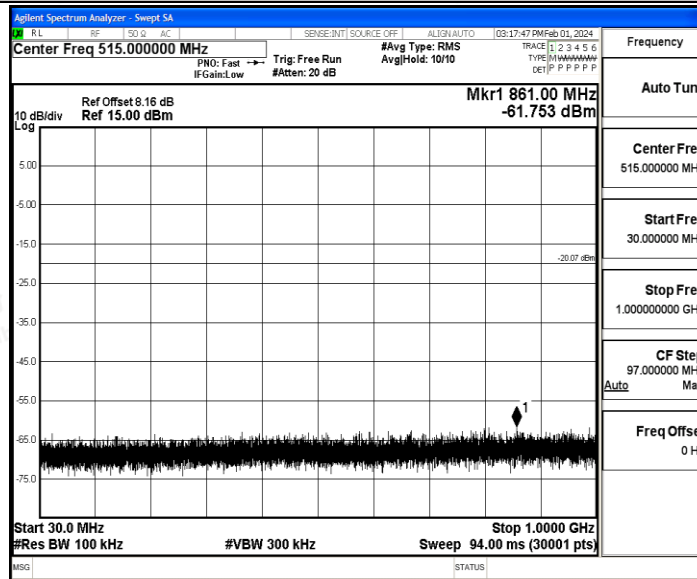
TestMode	Antenna	ChName	Frequency[MHz]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	2402.17	-0.07	---	PASS
		2441	2441.18	-0.51	---	PASS
		2480	2479.84	-1.40	---	PASS
2DH5	Ant1	2402	2402.16	-3.30	---	PASS
		2441	2441.17	-0.57	---	PASS
		2480	2480.12	-2.35	---	PASS
3DH5	Ant1	2402	2401.85	-3.45	---	PASS
		2441	2440.85	-0.64	---	PASS
		2480	2480.15	-1.72	---	PASS



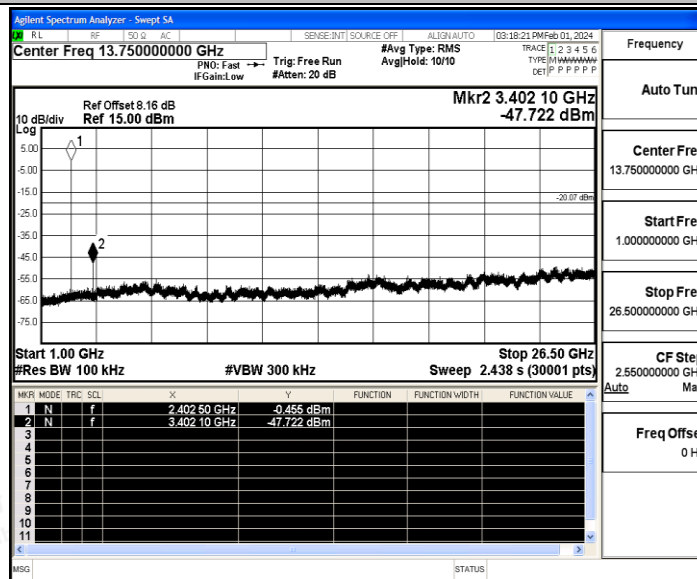


Test Graphs

DH5_Ant1_2402_30~1000

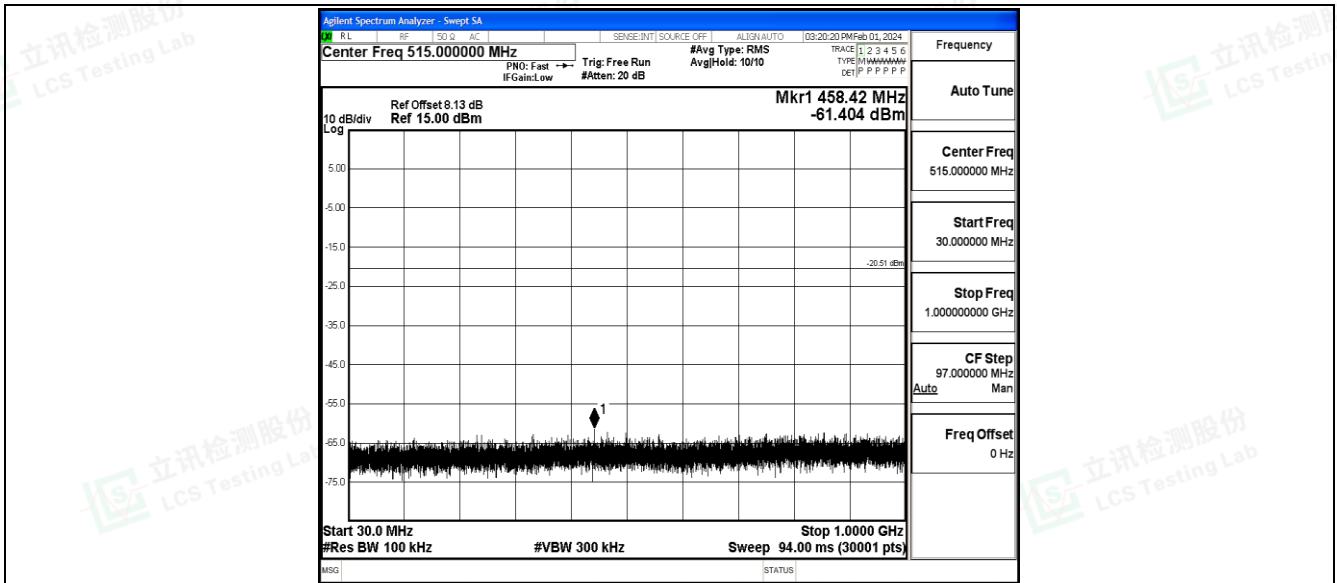


DH5_Ant1_2402_1000~26500

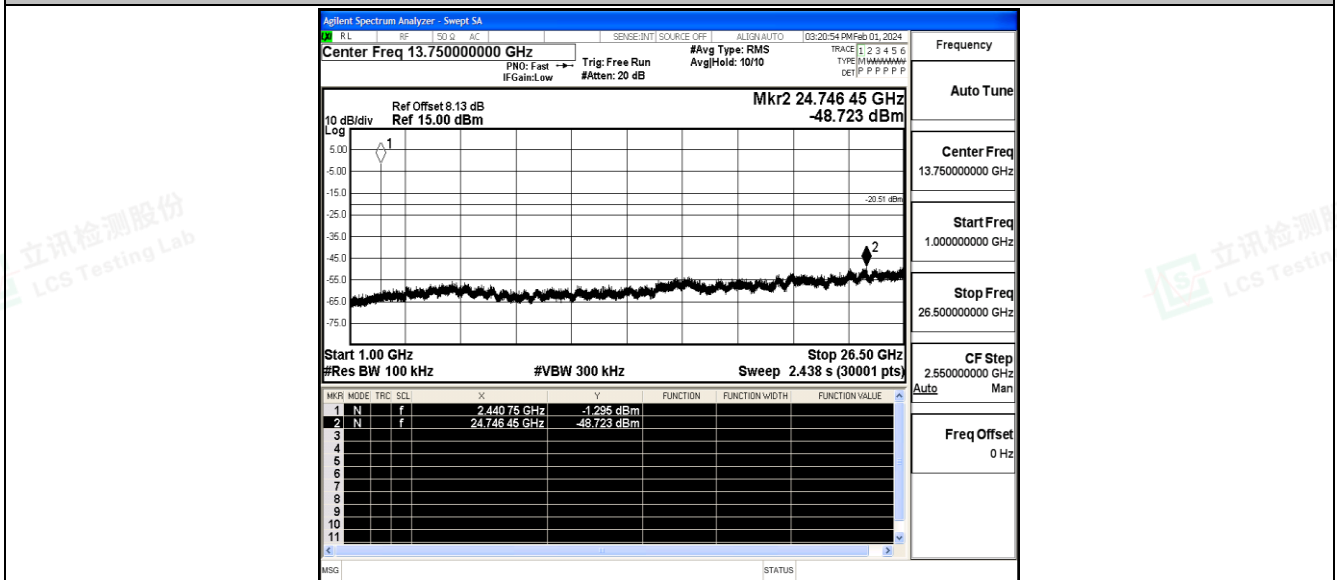


DH5_Ant1_2441_30~1000



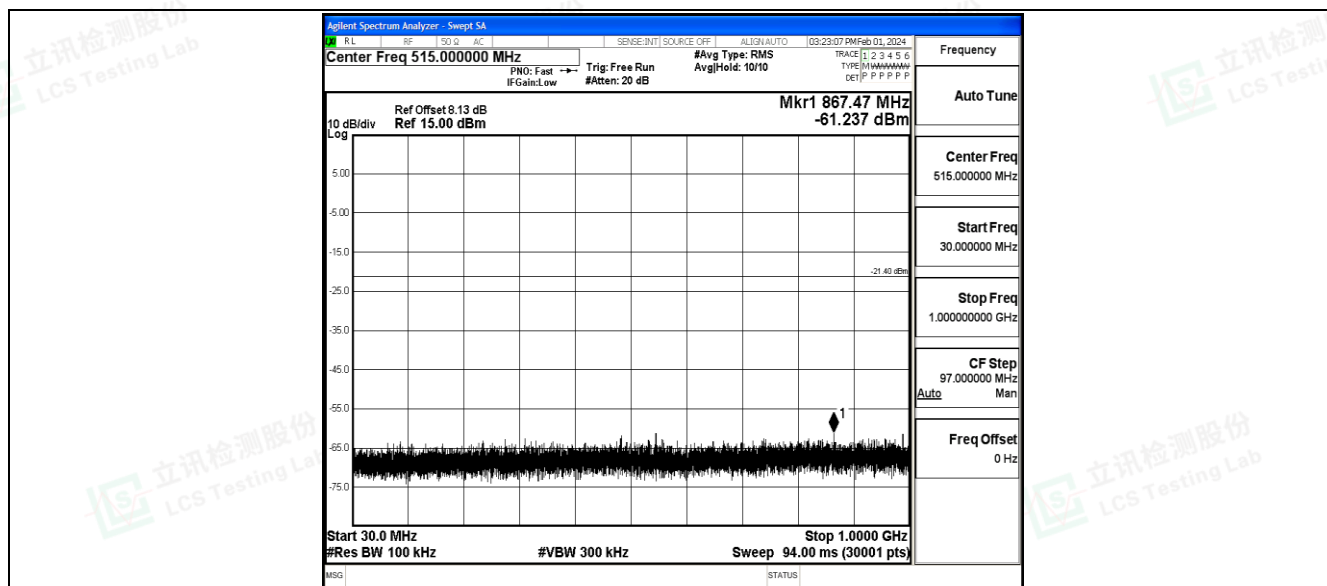


DH5_Ant1_2441_1000~26500

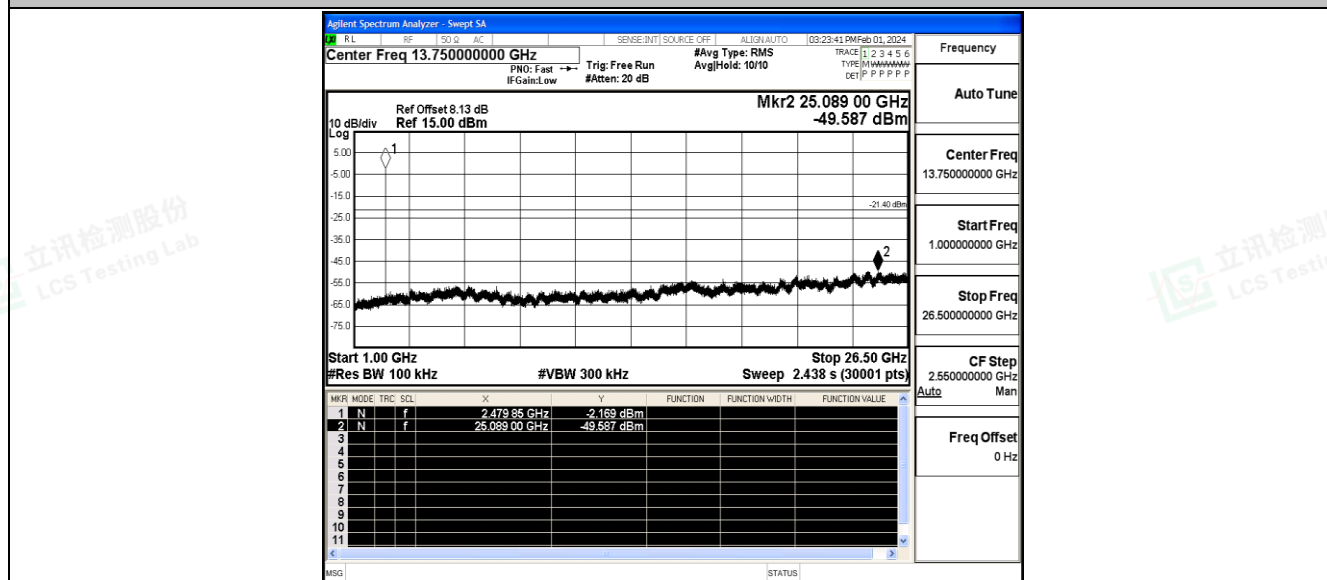


DH5_Ant1_2480_30~1000



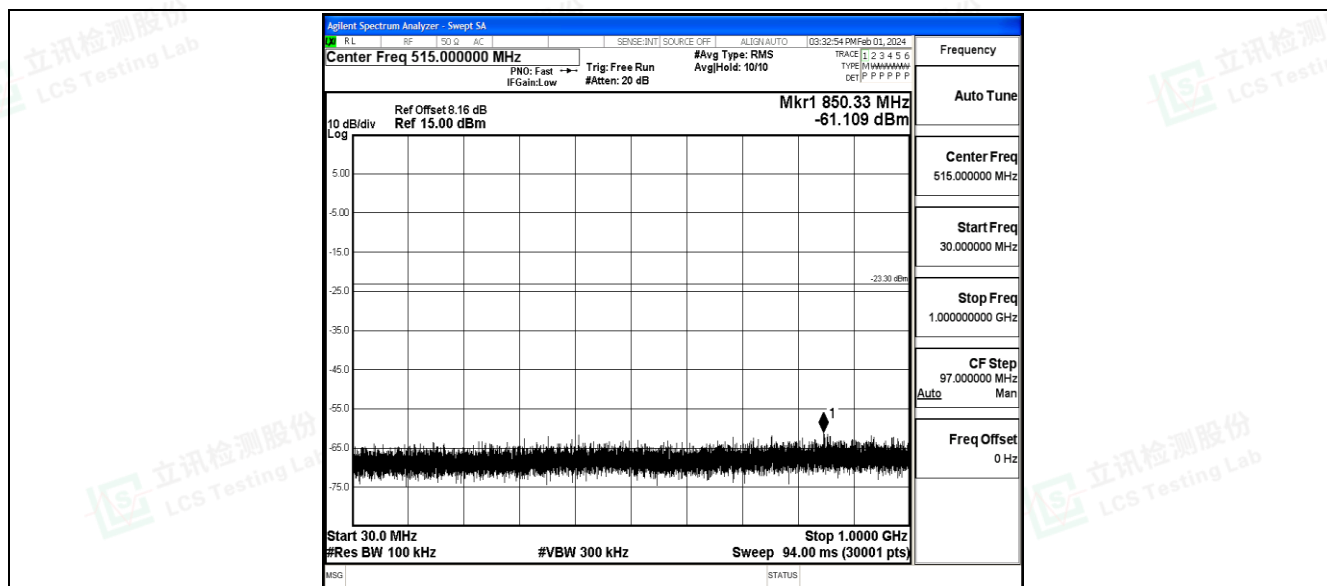


DH5_Ant1_2480_1000~26500

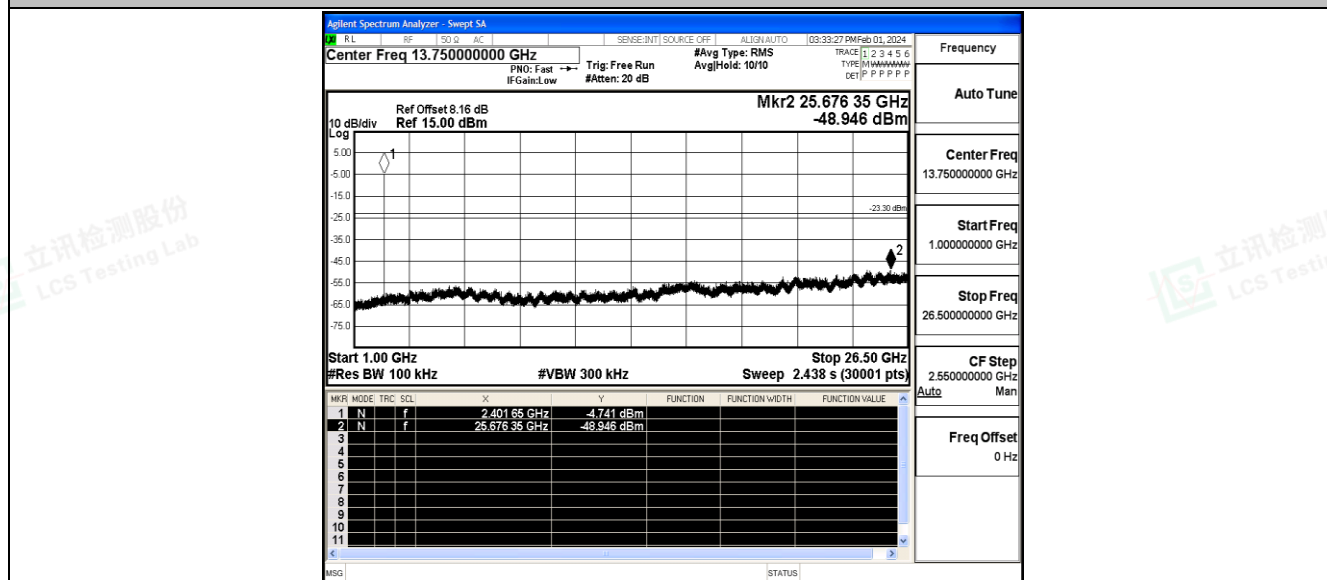


2DH5_Ant1_2402_30~1000





2DH5_Ant1_2402_1000~26500



2DH5_Ant1_2441_30~1000



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