



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: True Wireless Earphone

Test Model: BluePods mini

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Taylor Hu
Supervised by:	Li Huan





A.1 20dB Emission Bandwidth

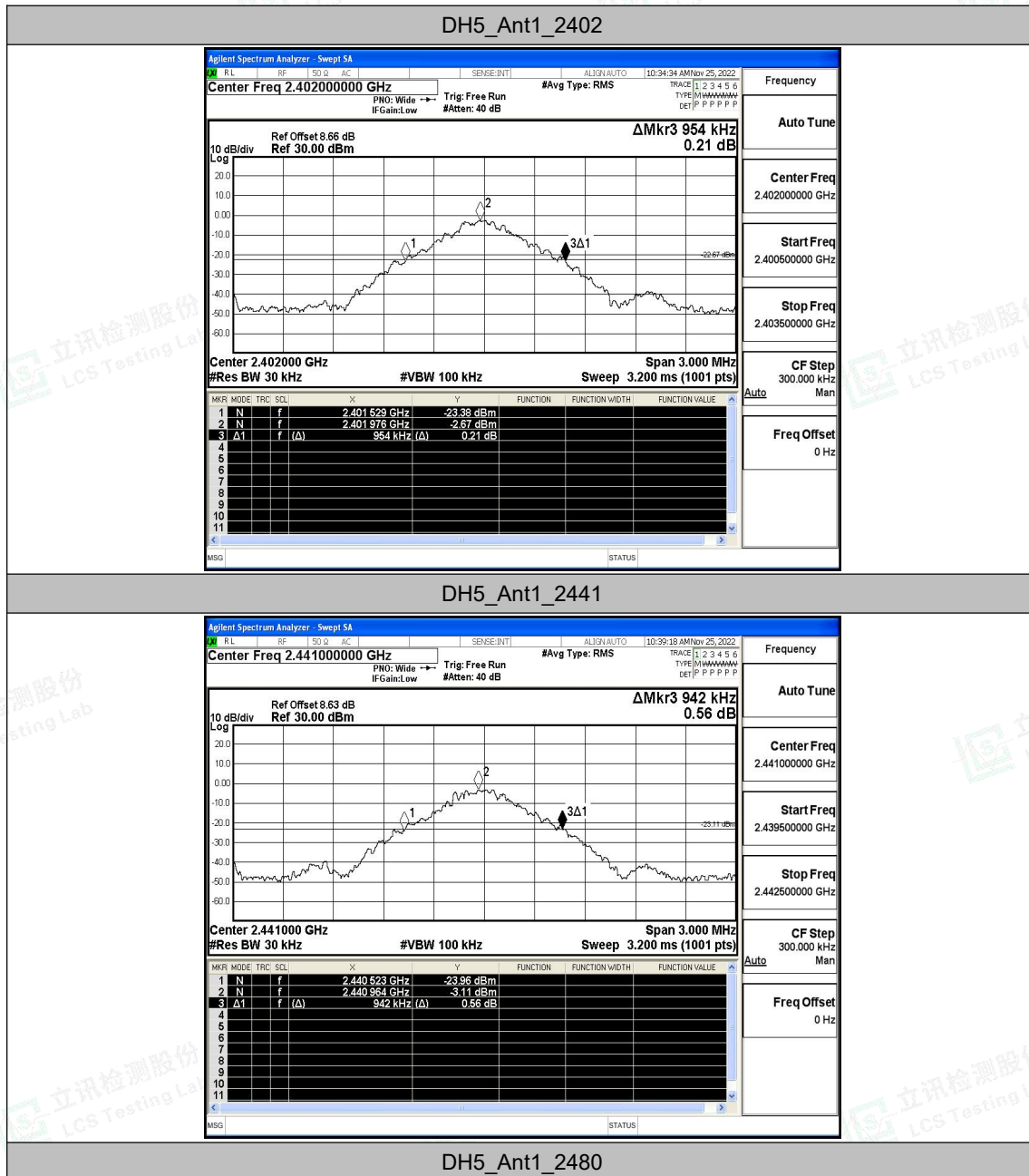
Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.954	2401.529	2402.483	---	---
		2441	0.942	2440.523	2441.465	---	---
		2480	0.945	2479.526	2480.471	---	---
2DH5	Ant1	2402	1.284	2401.358	2402.642	---	---
		2441	1.362	2440.310	2441.672	---	---
		2480	1.311	2479.331	2480.642	---	---





Test Graphs

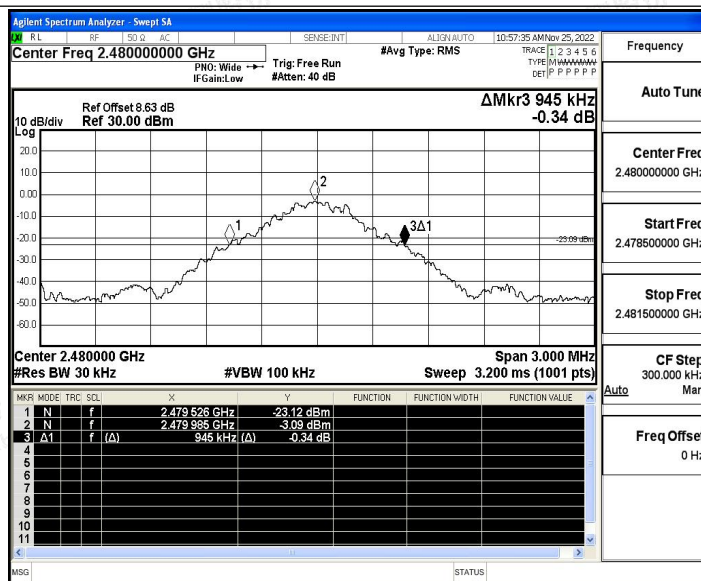


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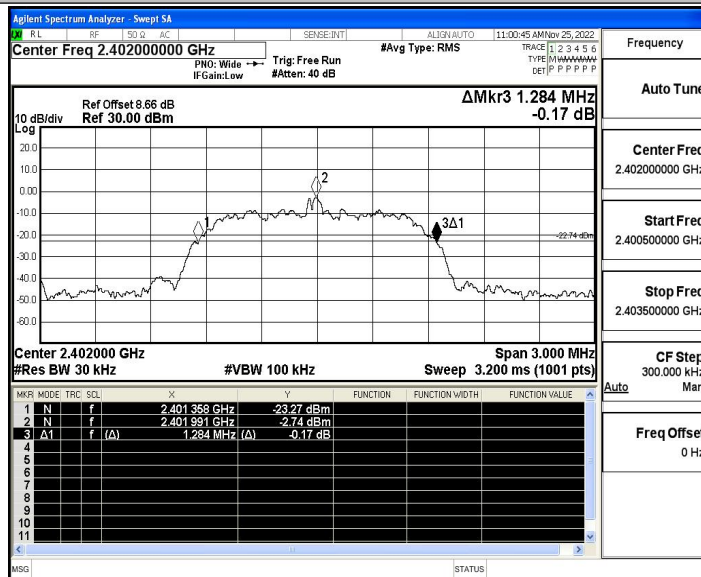
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2DH5_Ant1_2402



2DH5_Ant1_2441

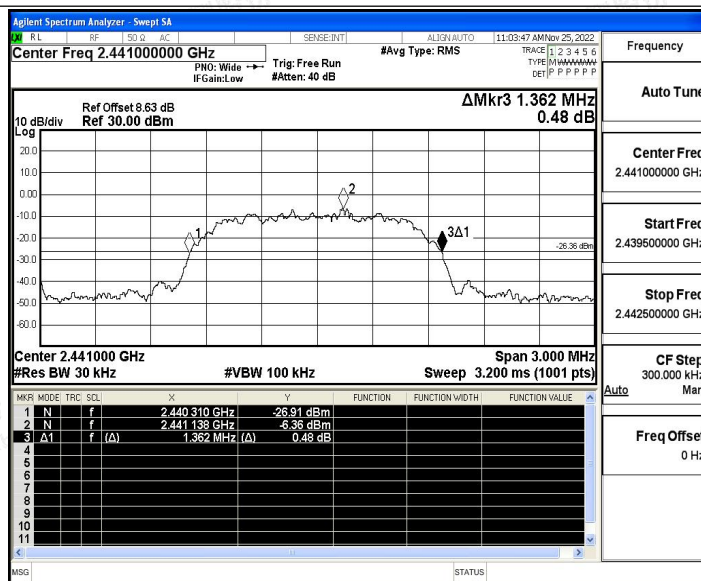


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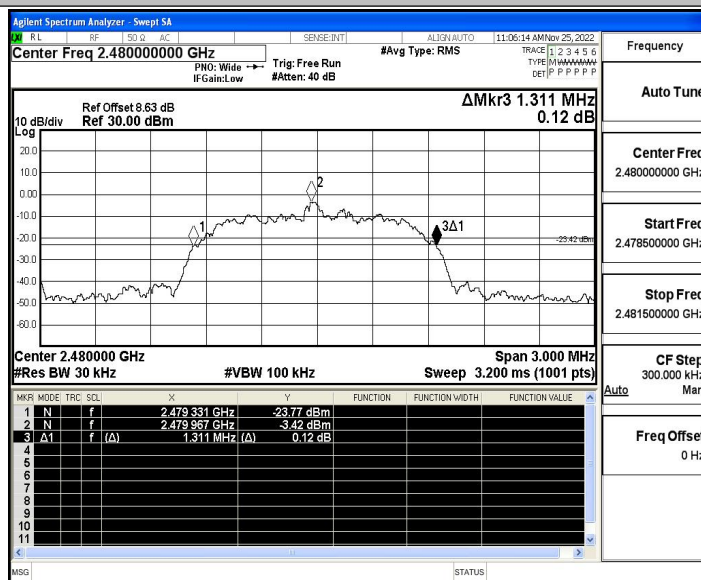
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2DH5_Ant1_2480



3DH5_Ant1_2402



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A.2 Maximum conducted output power

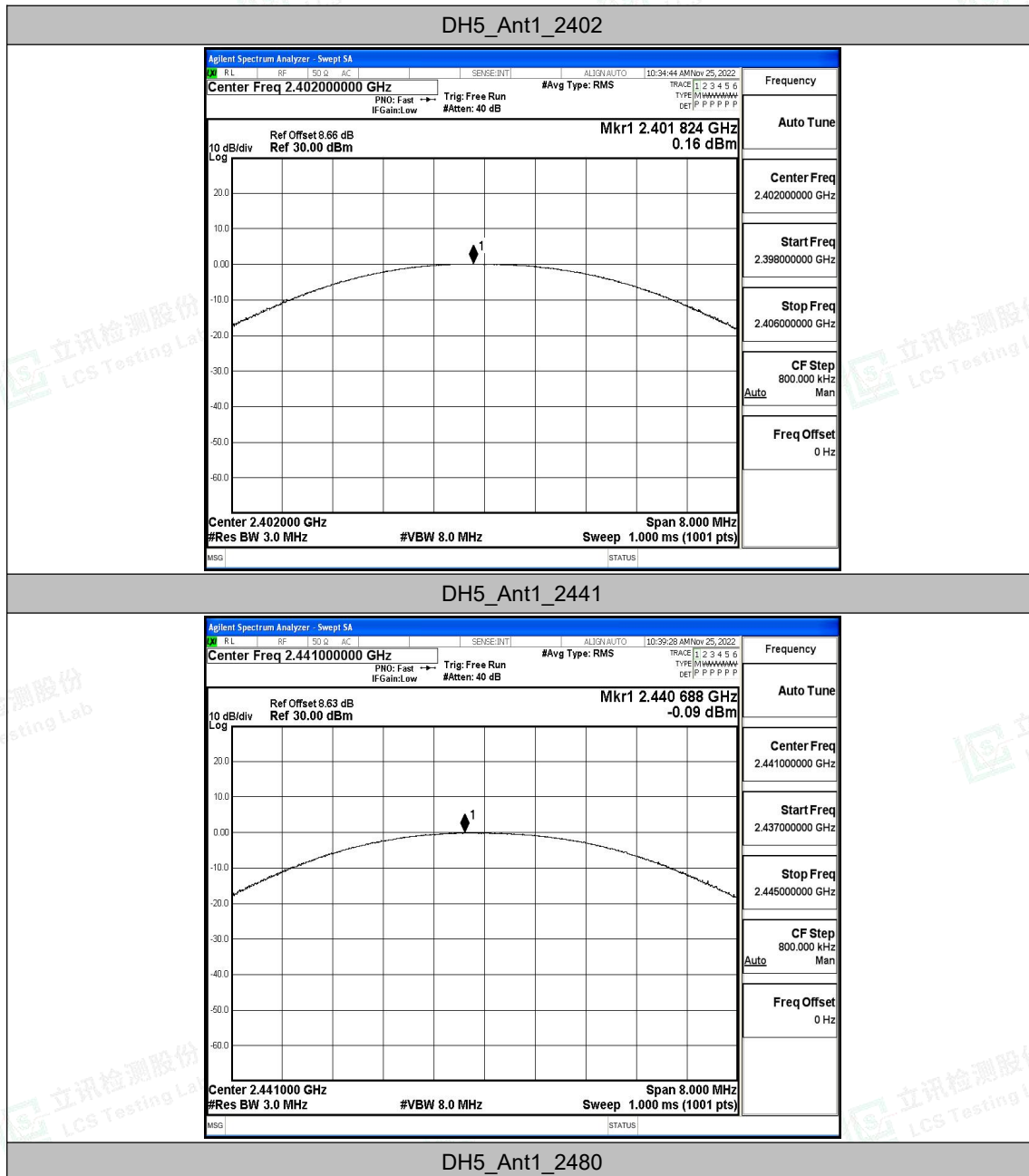
Test Result

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.16	≤21	PASS
		2441	-0.09	≤21	PASS
		2480	-0.36	≤21	PASS
2DH5	Ant1	2402	1.12	≤21	PASS
		2441	0.72	≤21	PASS
		2480	0.36	≤21	PASS





Test Graphs

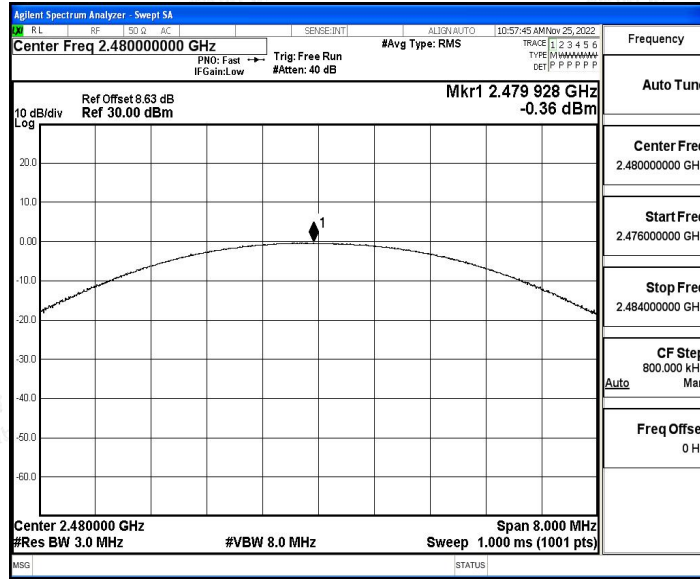


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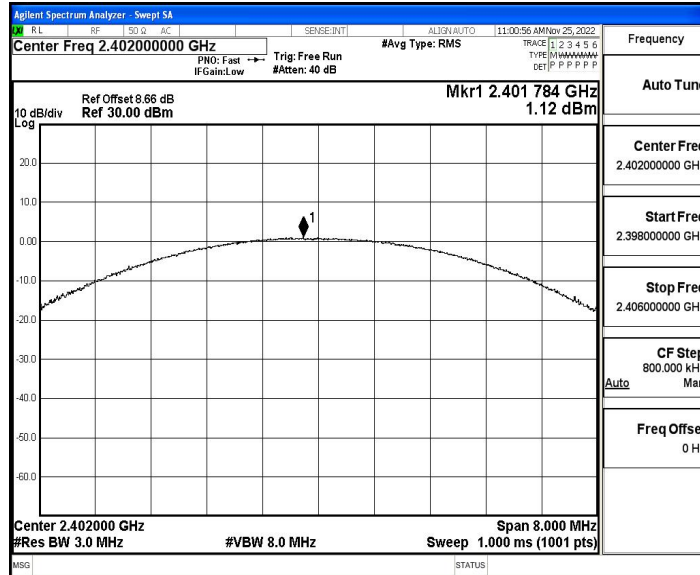
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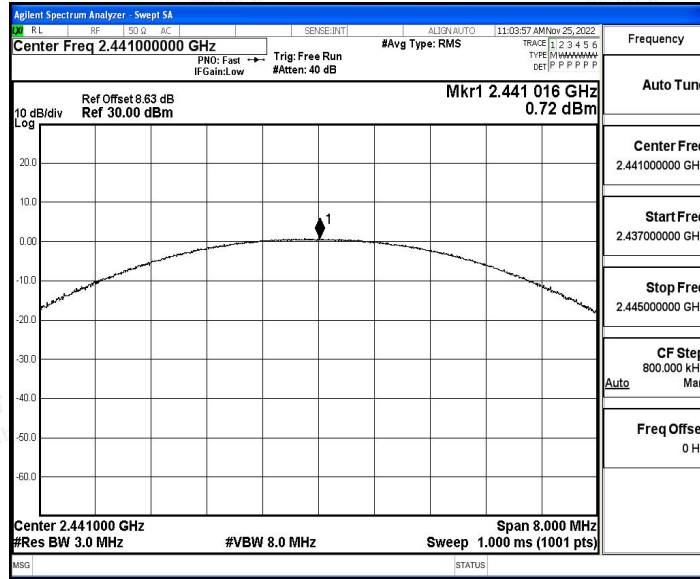


2DH5_Ant1_2402

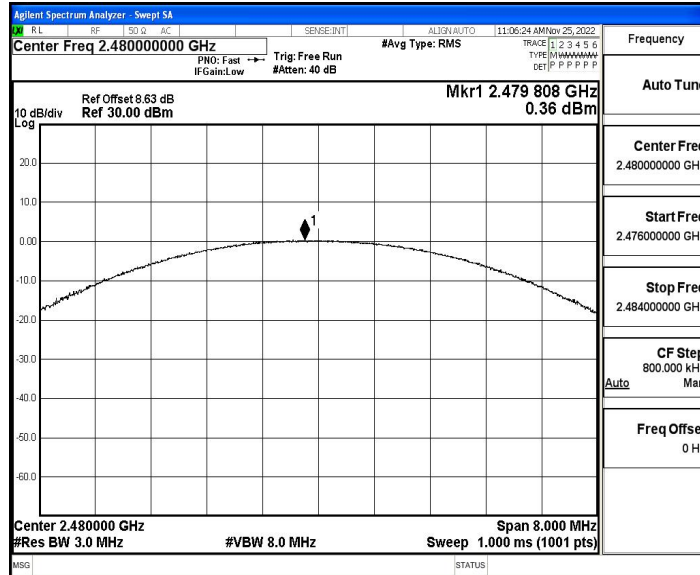


2DH5_Ant1_2441



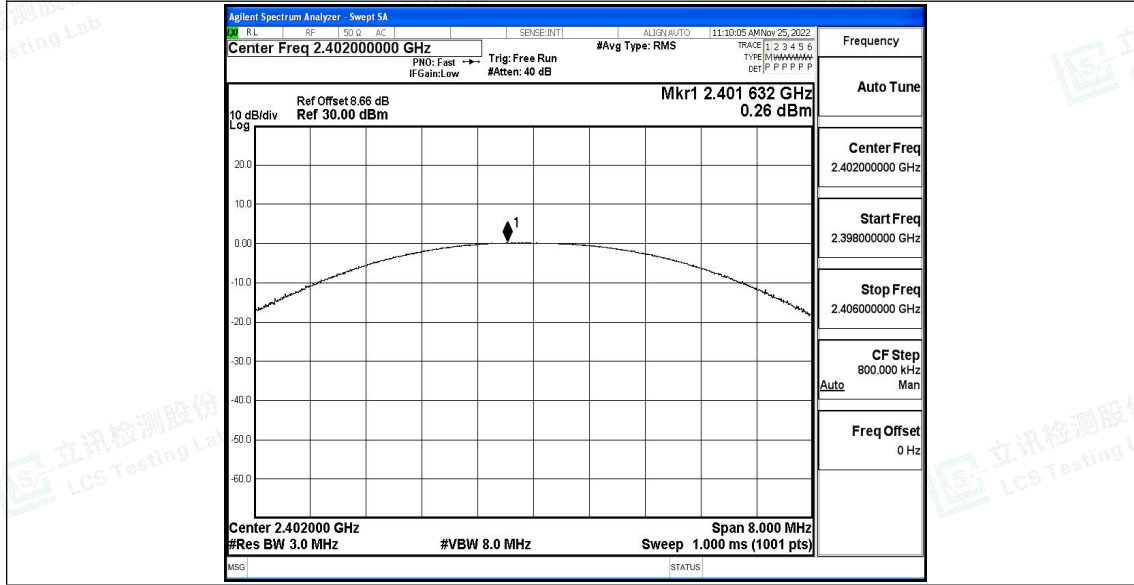


2DH5_Ant1_2480



3DH5_Ant1_2402







A.3 Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	Hop	1.048	≥ 0.636	PASS
2DH5	Ant1	Hop	1.13	≥ 0.908	PASS





Test Graphs



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A.4 Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.89	106.67	0.308	≤0.4	PASS
2DH5	Ant1	Hop	2.89	106.67	0.308	≤0.4	PASS



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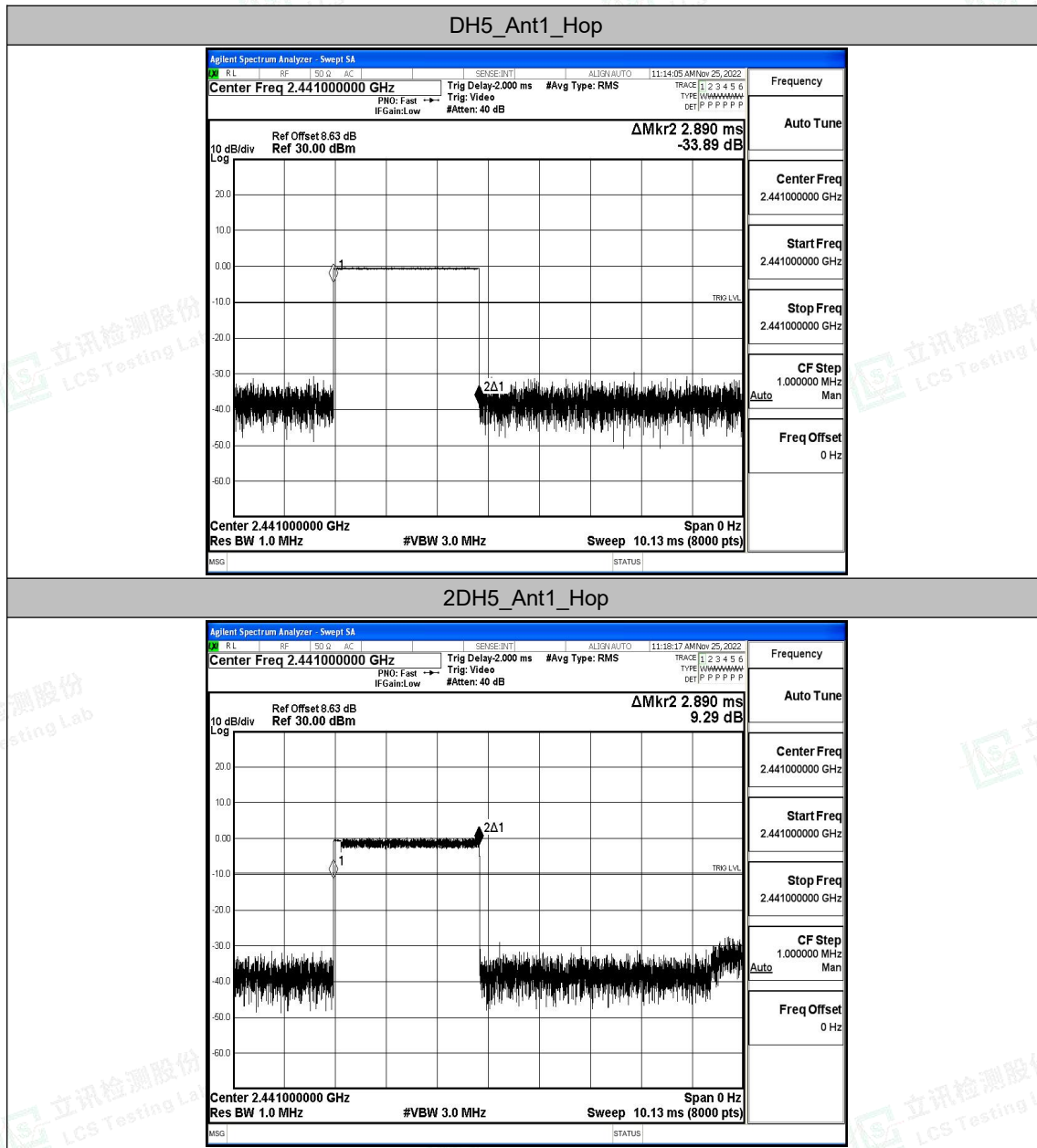
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Test Graphs



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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



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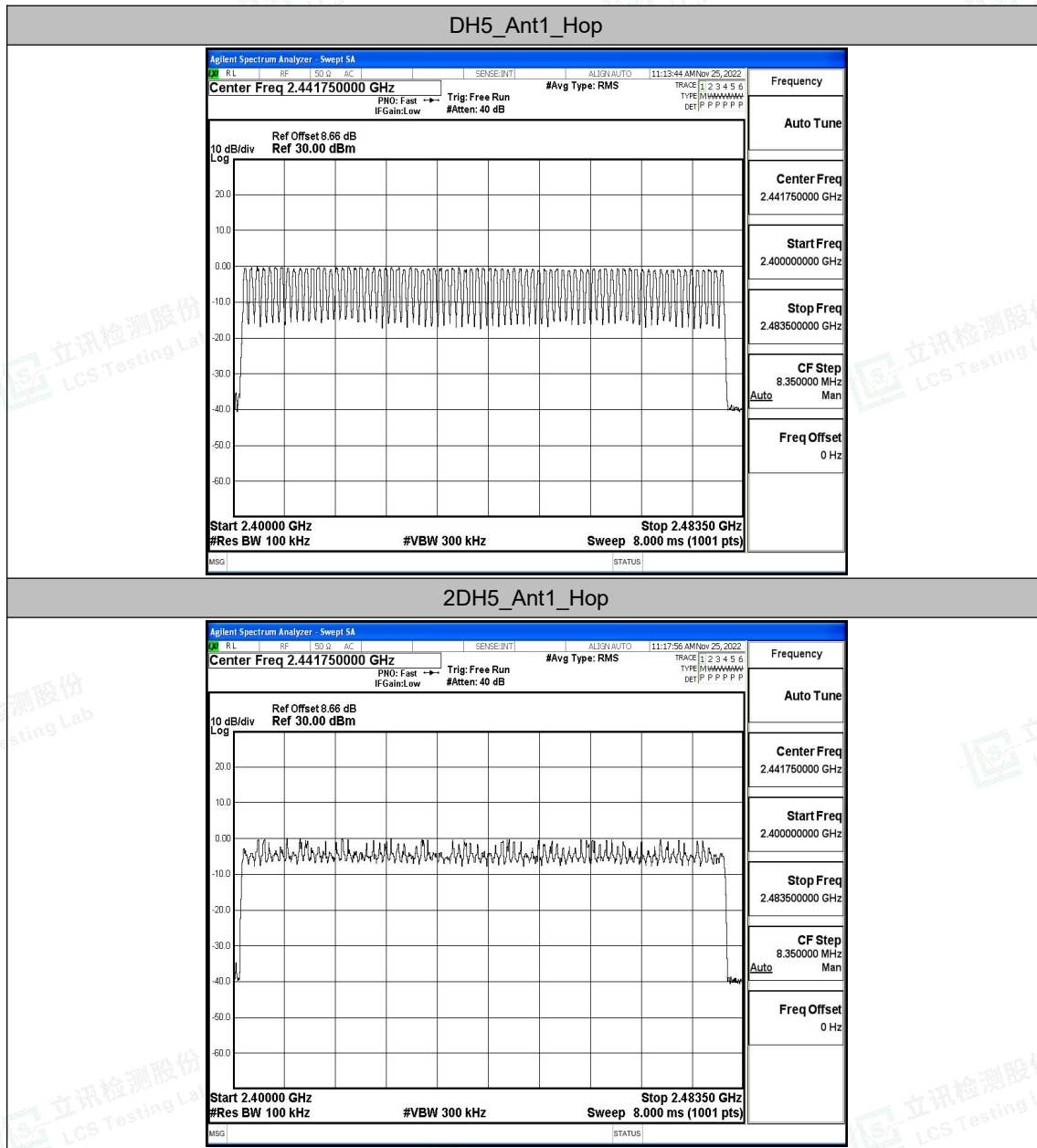
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Test Graphs



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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	-0.95	-38.65	≤-20.95	PASS
		High	2480	-1.42	-55.08	≤-21.42	PASS
		Low	Hop_2402	-1.35	-57.61	≤-21.35	PASS
		High	Hop_2480	-0.83	-55.1	≤-20.83	PASS
2DH5	Ant1	Low	2402	-4.77	-39.31	≤-24.77	PASS
		High	2480	-5.92	-57.19	≤-25.92	PASS
		Low	Hop_2402	-4.58	-57.06	≤-24.58	PASS
		High	Hop_2480	-0.79	-55.4	≤-20.79	PASS





Test Graphs

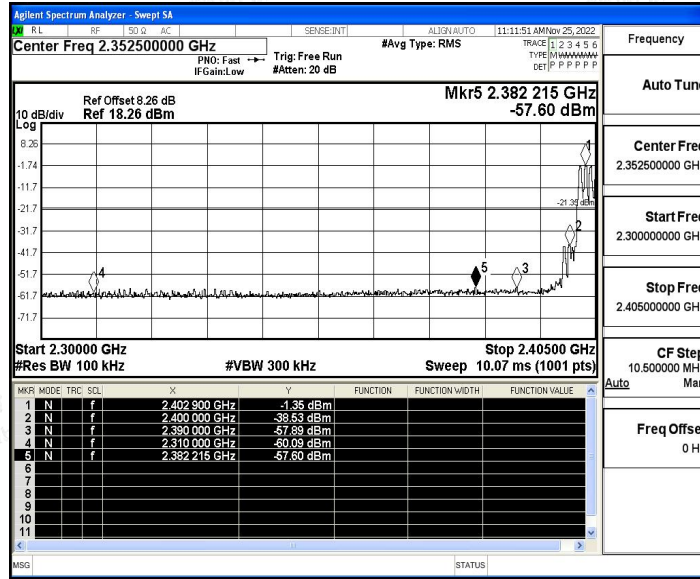


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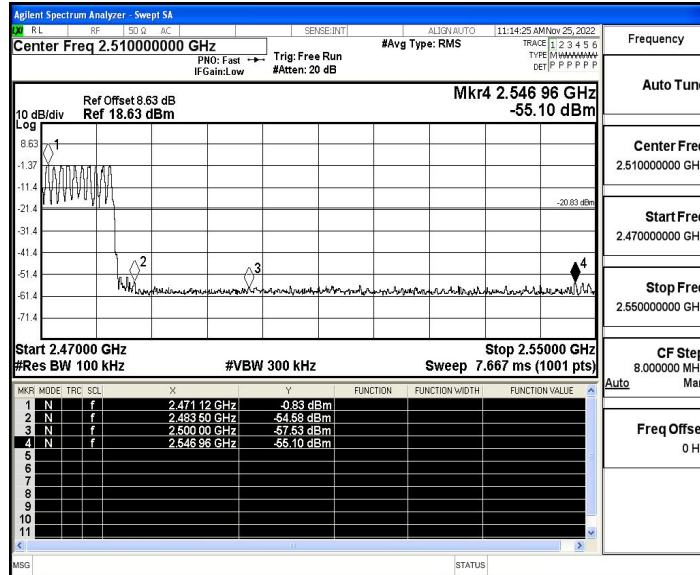
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DH5_Ant1_High_Hop_2480



2DH5_Ant1_Low_2402

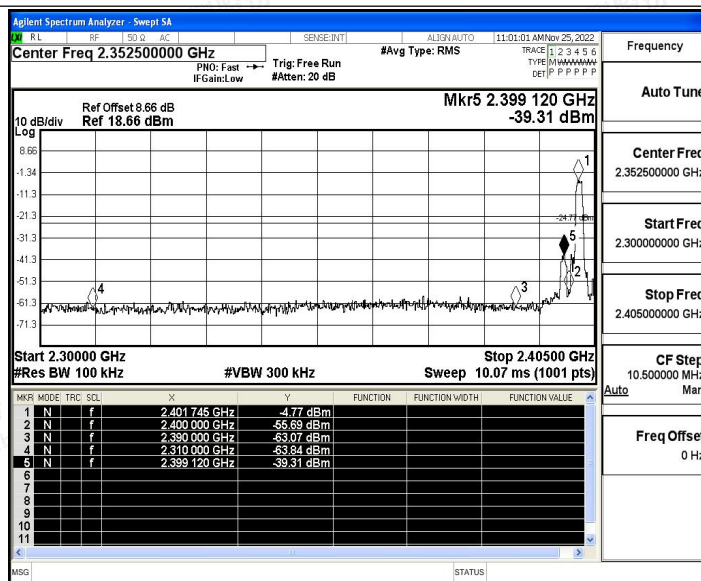


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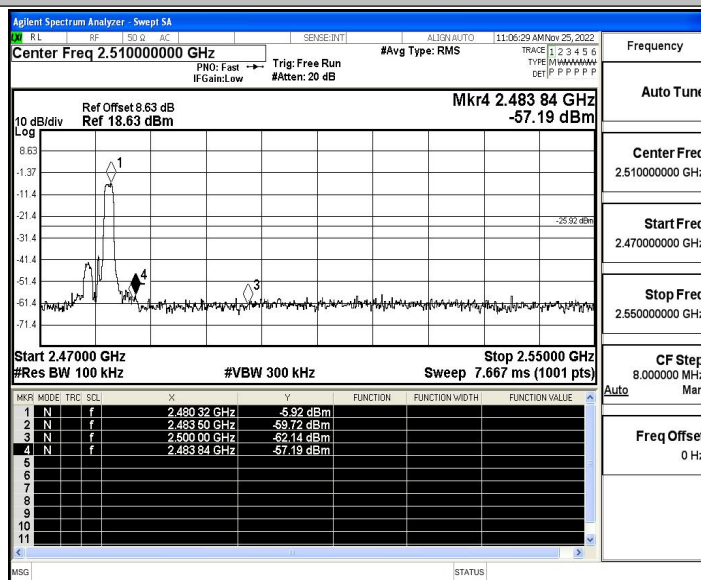
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2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402

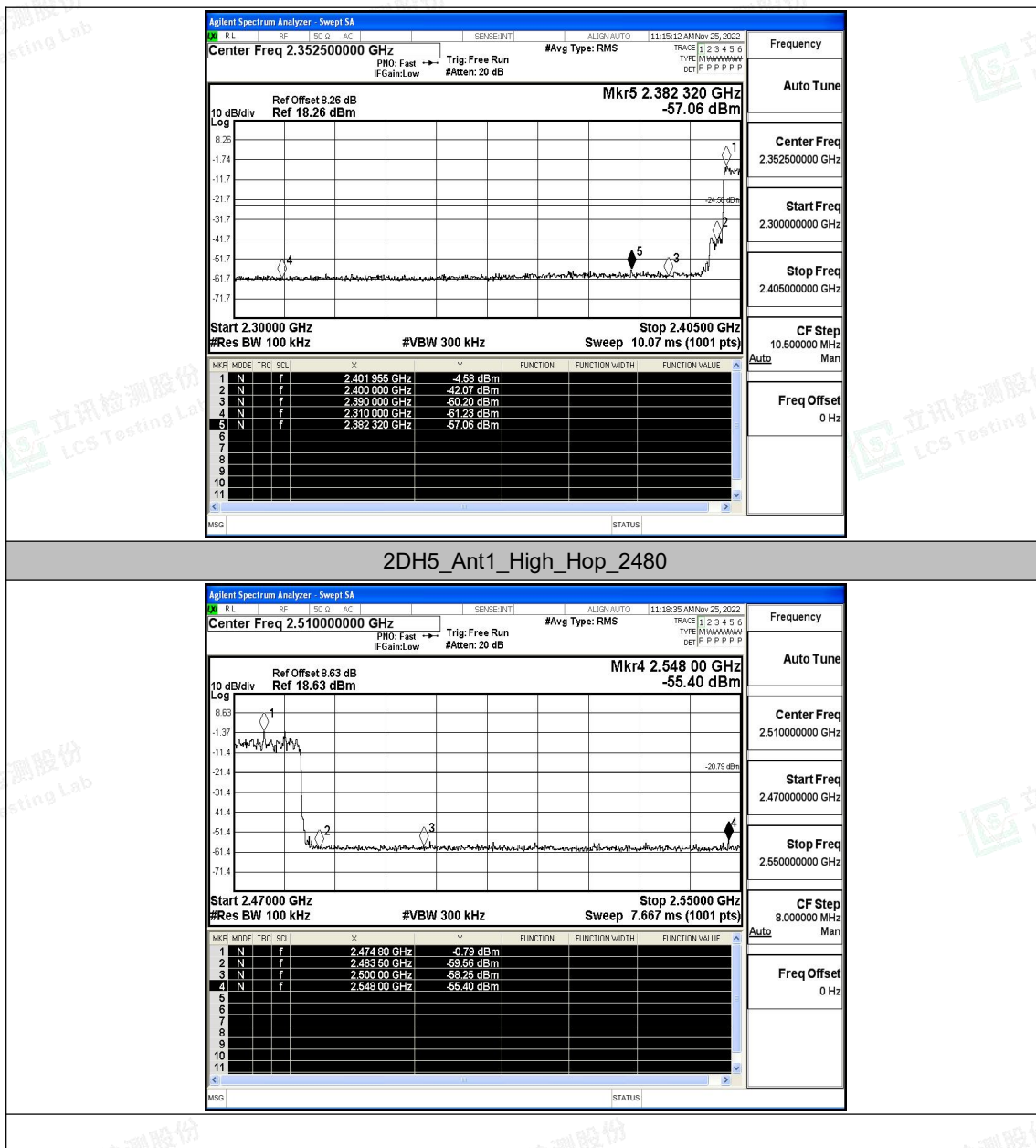


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A.7 Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-1.05	-1.05	---	PASS
			30~1000	-1.05	-60.41	≤-21.05	PASS
			1000~26500	-1.05	-46.36	≤-21.05	PASS
		2441	Reference	-1.39	-1.39	---	PASS
			30~1000	-1.39	-59.34	≤-21.39	PASS
			1000~26500	-1.39	-41.27	≤-21.39	PASS
		2480	Reference	-1.57	-1.57	---	PASS
			30~1000	-1.57	-59.64	≤-21.57	PASS
			1000~26500	-1.57	-37.73	≤-21.57	PASS
2DH5	Ant1	2402	Reference	-3.76	-3.76	---	PASS
			30~1000	-3.76	-60.48	≤-23.76	PASS
			1000~26500	-3.76	-46.12	≤-23.76	PASS
		2441	Reference	-5.16	-5.16	---	PASS
			30~1000	-5.16	-61.09	≤-25.16	PASS
			1000~26500	-5.16	-40.67	≤-25.16	PASS
		2480	Reference	-4.27	-4.27	---	PASS
			30~1000	-4.27	-60.29	≤-24.27	PASS
			1000~26500	-4.27	-37.97	≤-24.27	PASS



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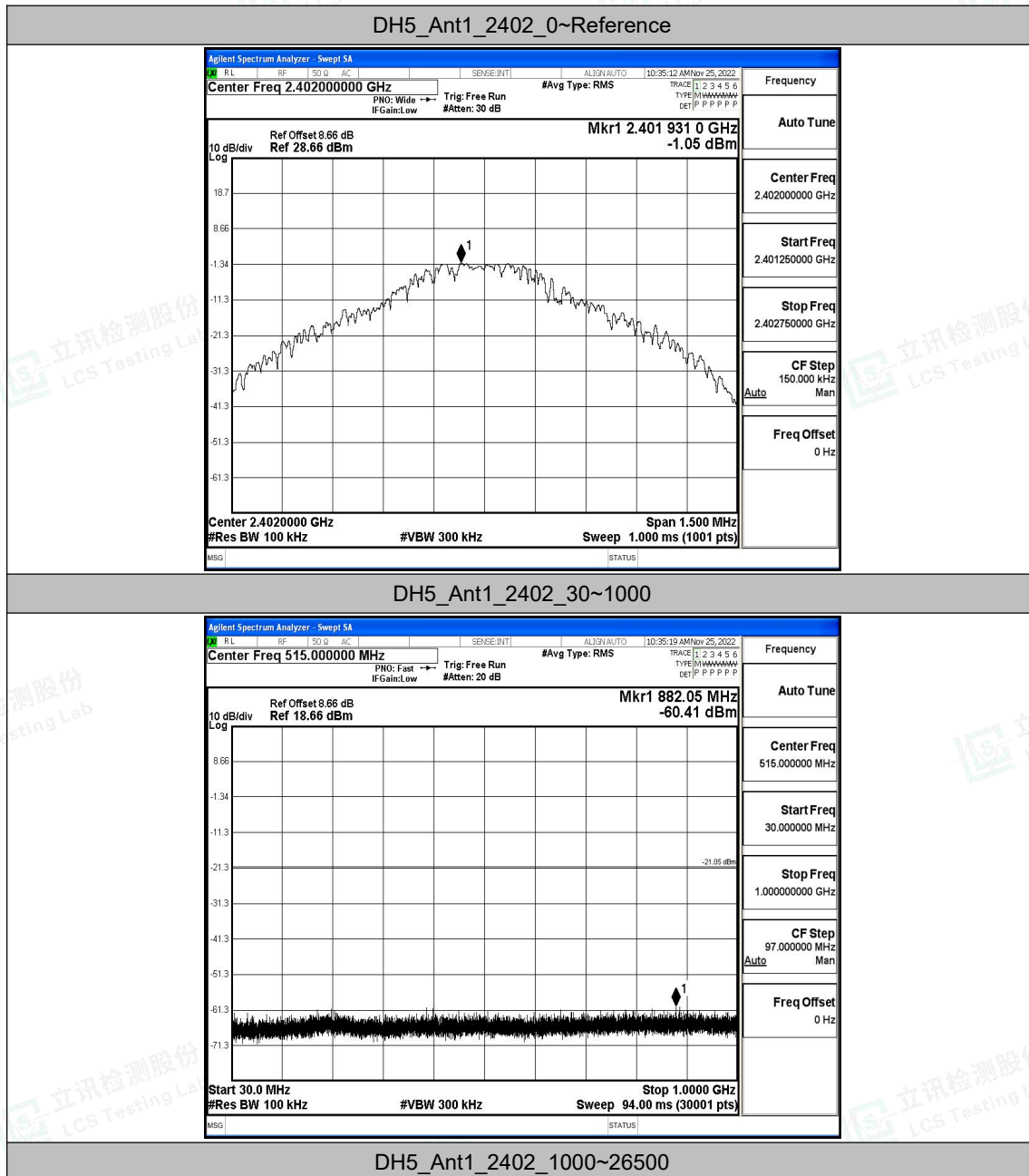
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Test Graphs

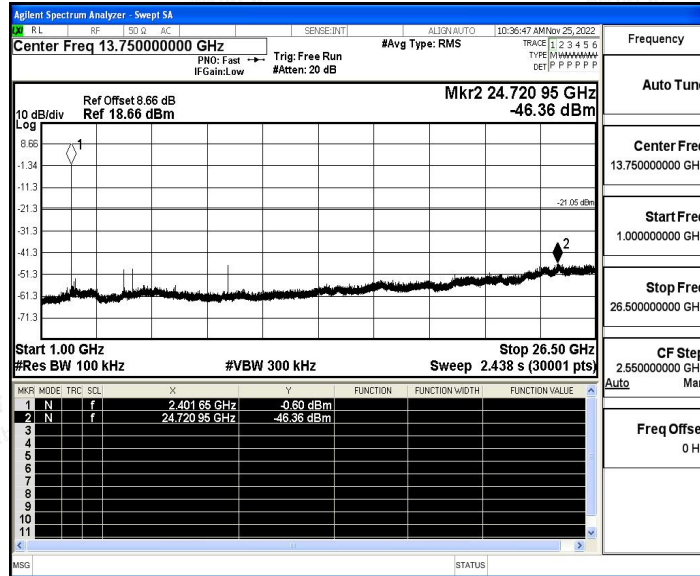


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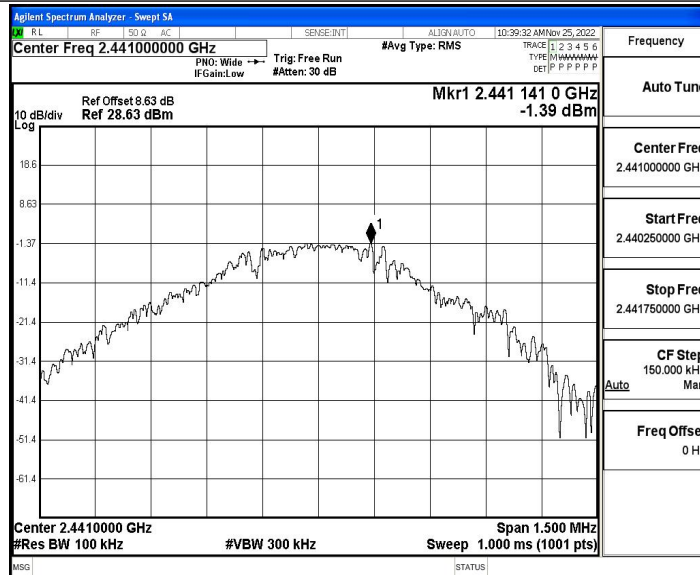
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DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000

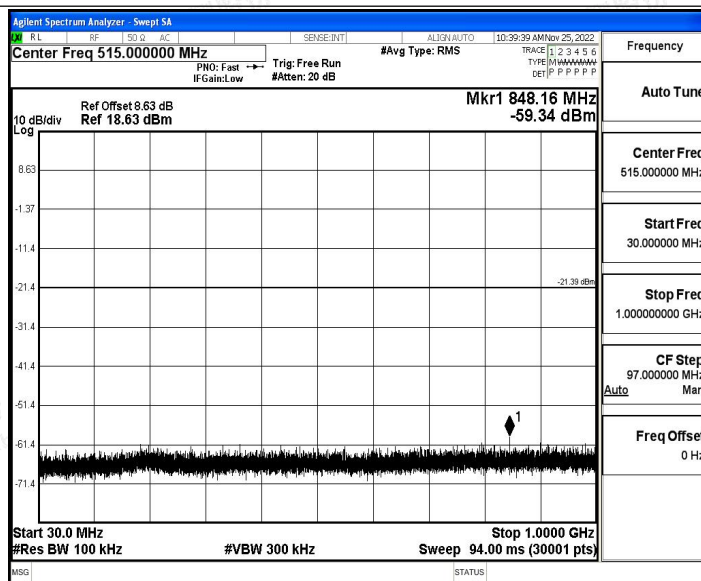


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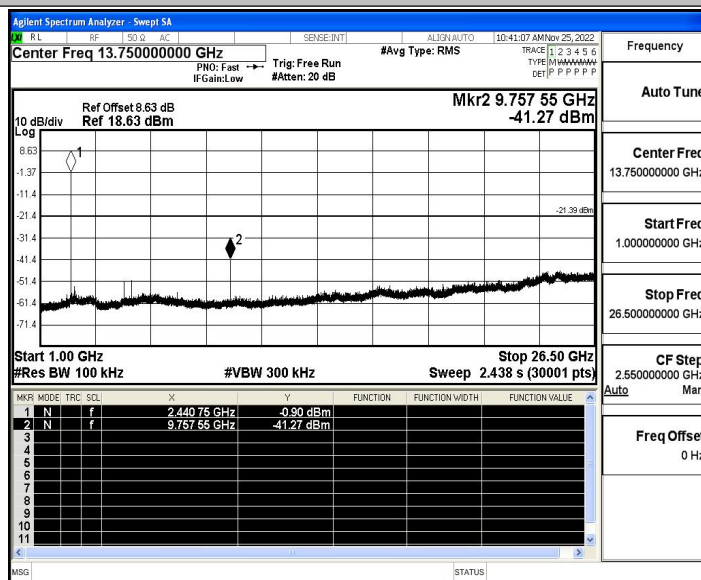
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DH5_Ant1_2441_1000~26500



DH5_Ant1_2480_0~Reference



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