



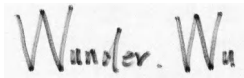
Appendix A

RF Test Data for BT (Conducted Measurement)

**Product Name: 85W DUAL 12 INCHES WOOFERS LIGHT UP BLUETOOTH SPEAKER-FM
RADIO**

Test Model: PSP1282

Environmental Conditions

Temperature:	23.5 ° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	 Wunder Wu
Supervised by:	 Li Huan



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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	2401.532	2402.507	PASS
		2441	1.017	2440.478	2441.495	PASS
		2480	1.035	2479.466	2480.501	PASS
2DH5	Ant1	2402	1.287	2401.367	2402.654	PASS
		2441	1.314	2440.346	2441.660	PASS
		2480	1.320	2479.337	2480.657	PASS
3DH5	Ant1	2402	1.338	2401.334	2402.672	PASS
		2441	1.320	2440.340	2441.660	PASS
		2480	1.320	2479.343	2480.663	PASS



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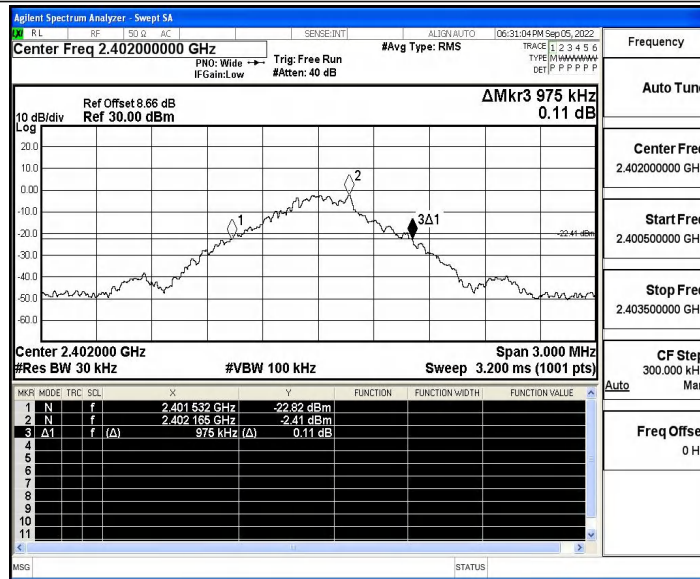
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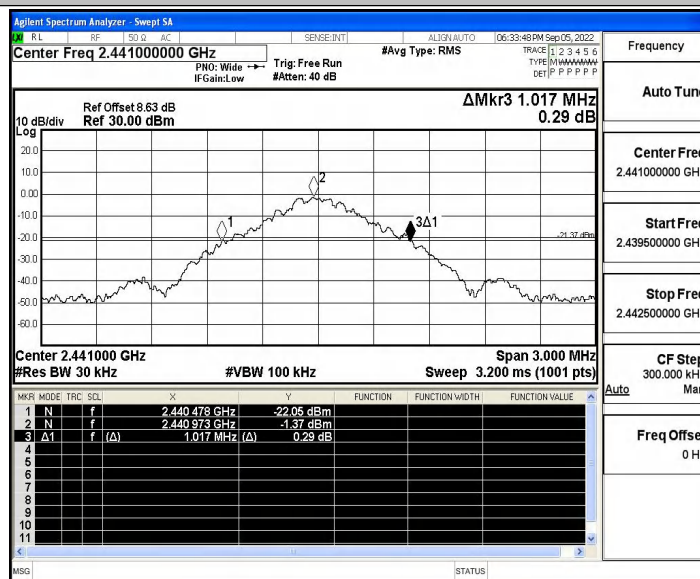


Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480

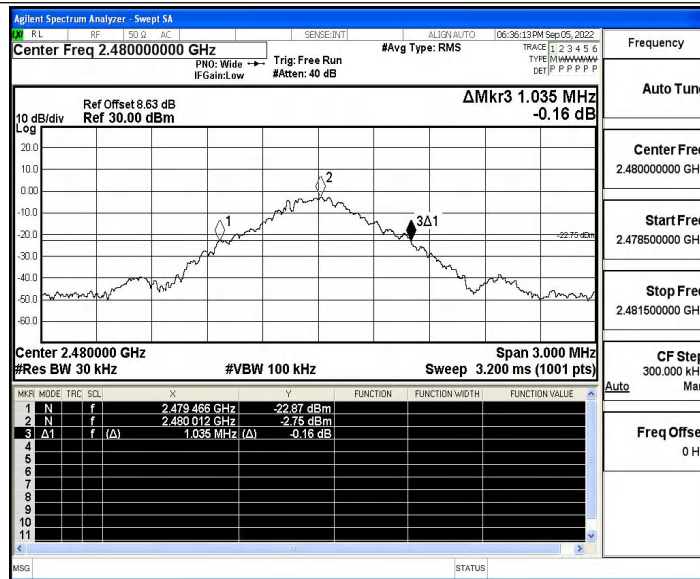


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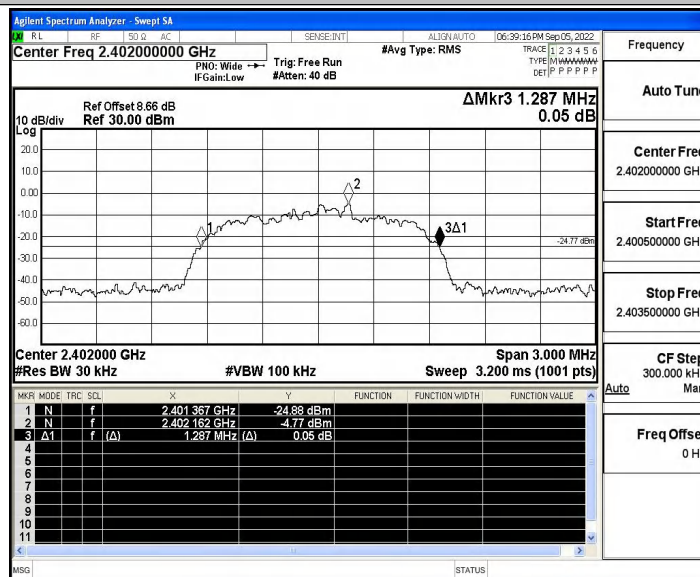
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2DH5_Ant1_2402



2DH5_Ant1_2441

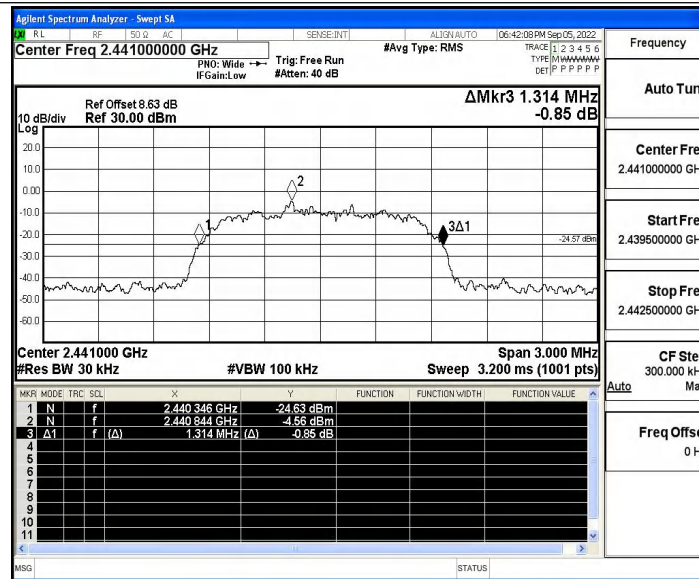


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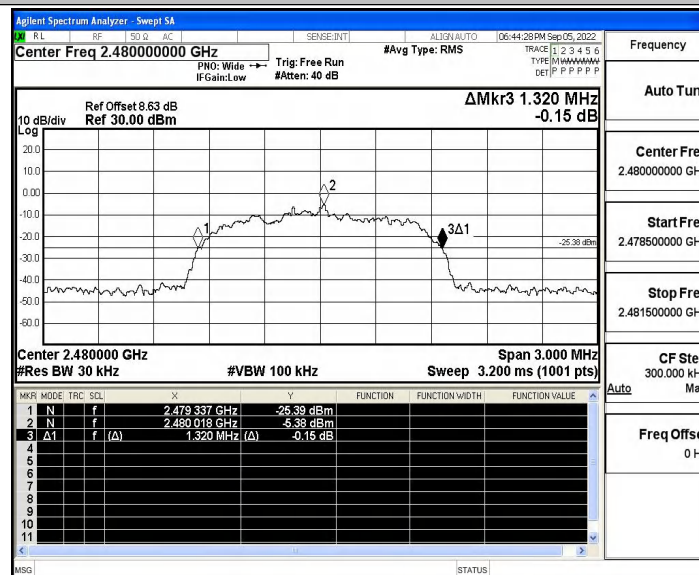
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2DH5_Ant1_2480



3DH5_Ant1_2402

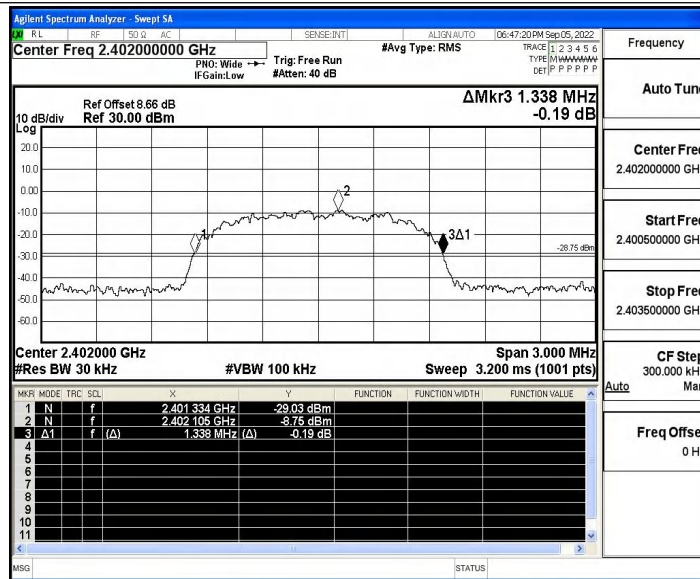


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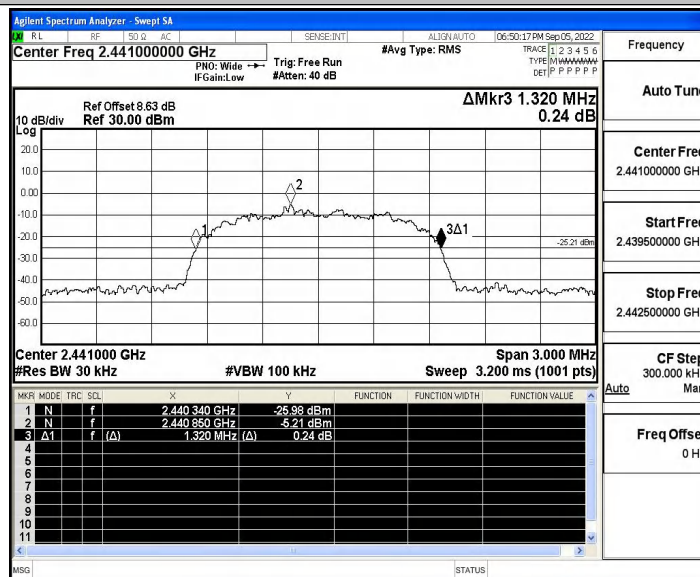
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3DH5_Ant1_2441



3DH5_Ant1_2480

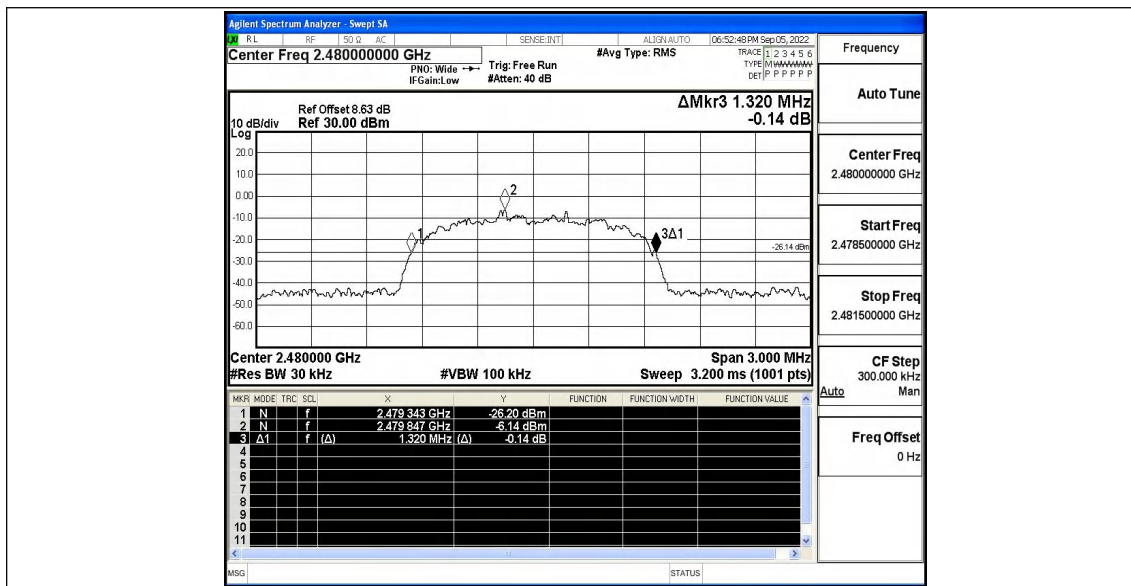


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A.2 Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	0.50	≤ 20.97	PASS
		2441	1.61	≤ 20.97	PASS
		2480	0.23	≤ 20.97	PASS
2DH5	Ant1	2402	-0.45	≤ 20.97	PASS
		2441	0.81	≤ 20.97	PASS
		2480	-0.46	≤ 20.97	PASS
3DH5	Ant1	2402	-0.26	≤ 20.97	PASS
		2441	0.94	≤ 20.97	PASS
		2480	-0.30	≤ 20.97	PASS

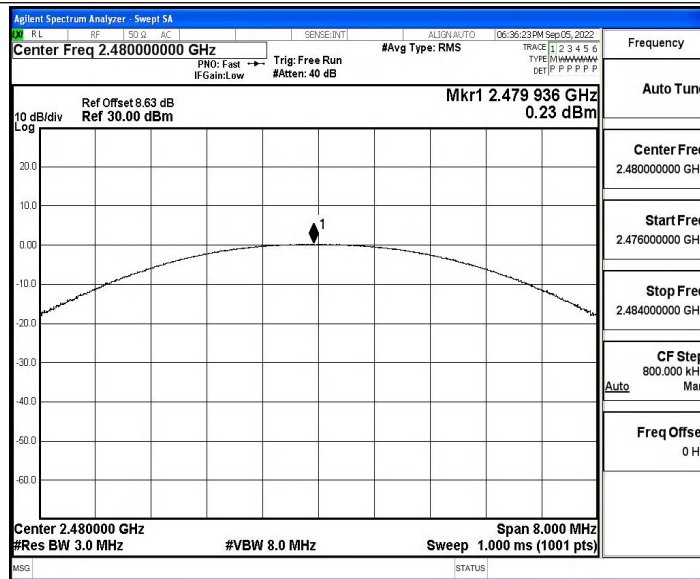


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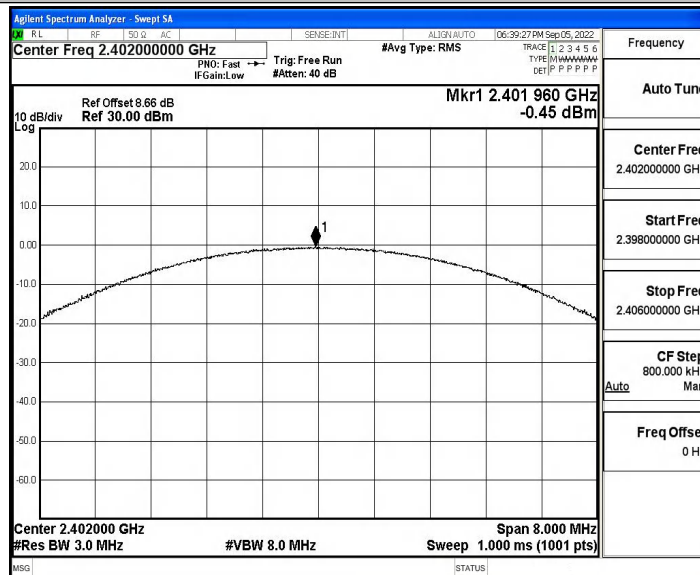
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2DH5_Ant1_2402



2DH5_Ant1_2441

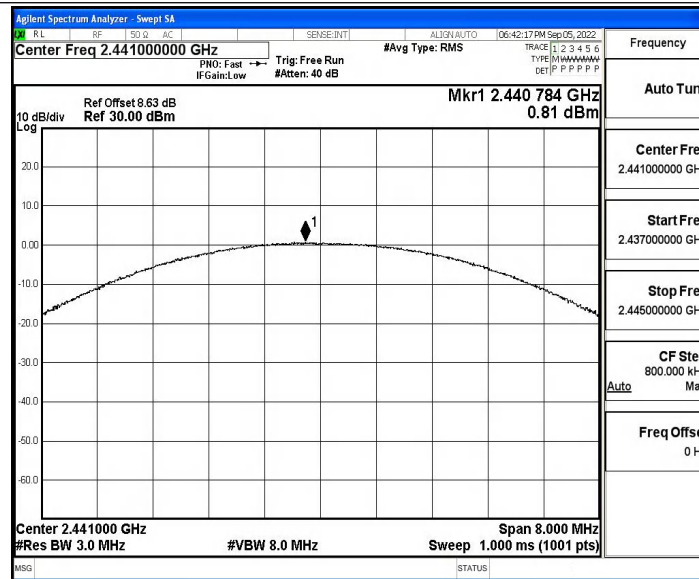


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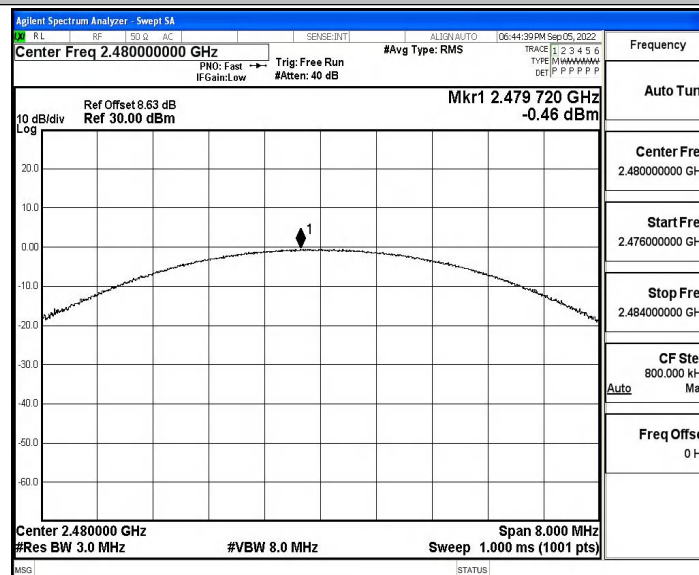
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2DH5_Ant1_2480



3DH5_Ant1_2402

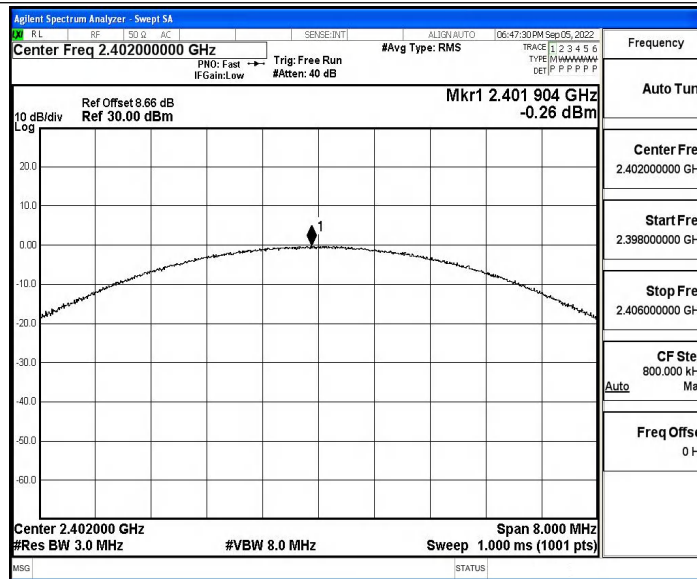


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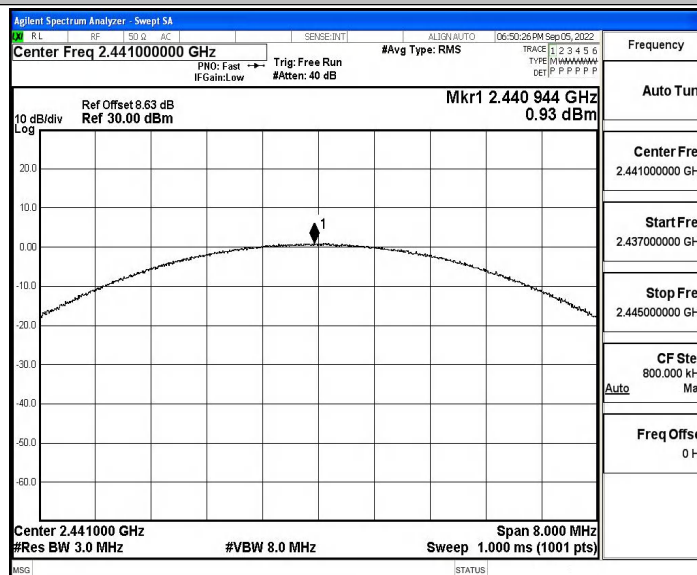
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3DH5_Ant1_2441



3DH5_Ant1_2480

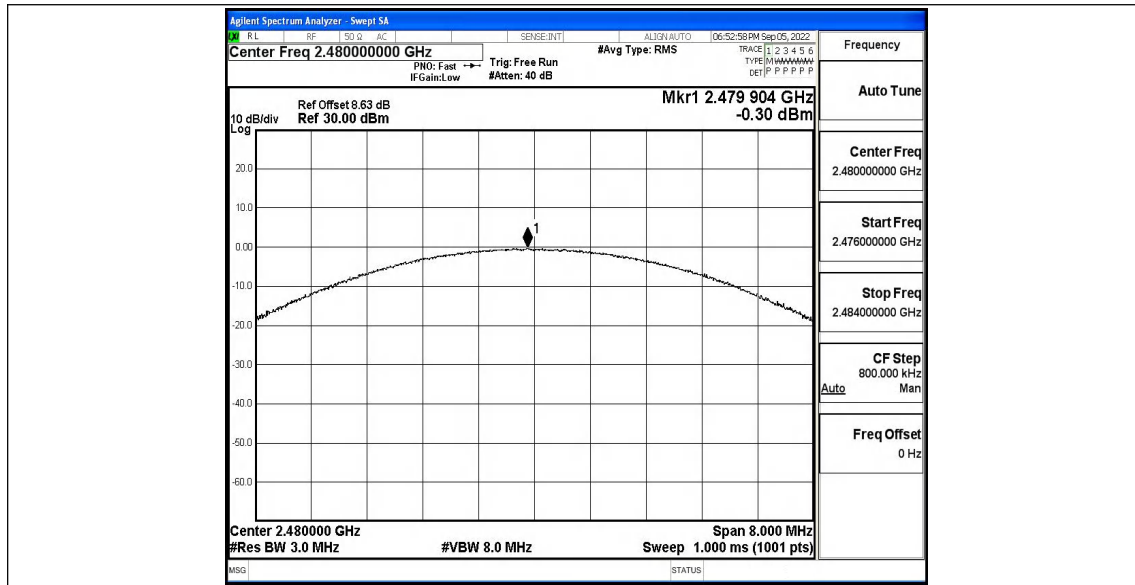


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A.3 Carrier frequency separation

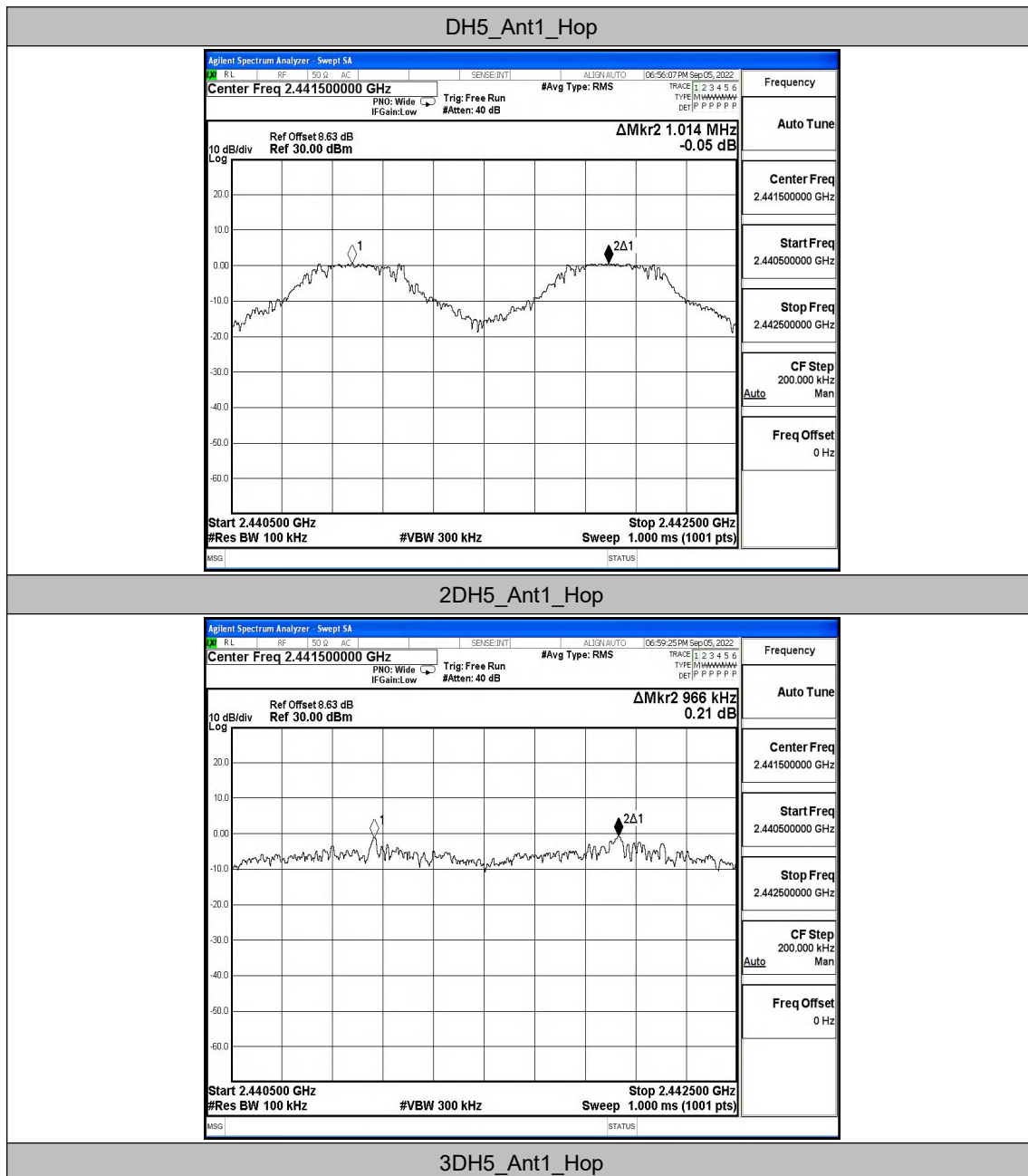
Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.014	≥ 0.690	PASS
2DH5	Ant1	Hop	0.966	≥ 0.880	PASS
3DH5	Ant1	Hop	1.086	≥ 0.892	PASS





Test Graphs

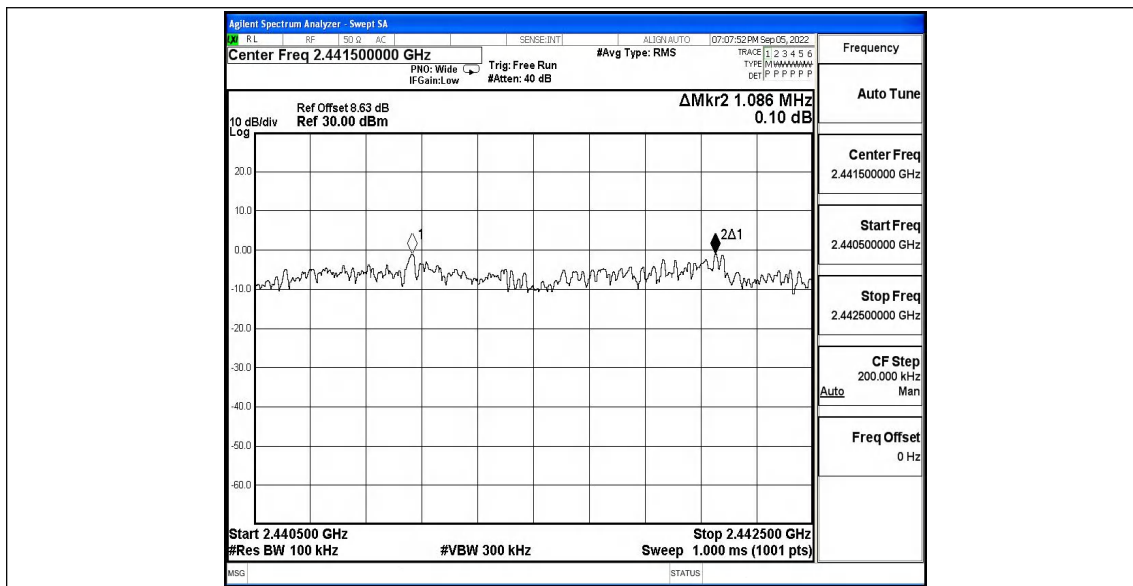


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A.4 Time of occupancy

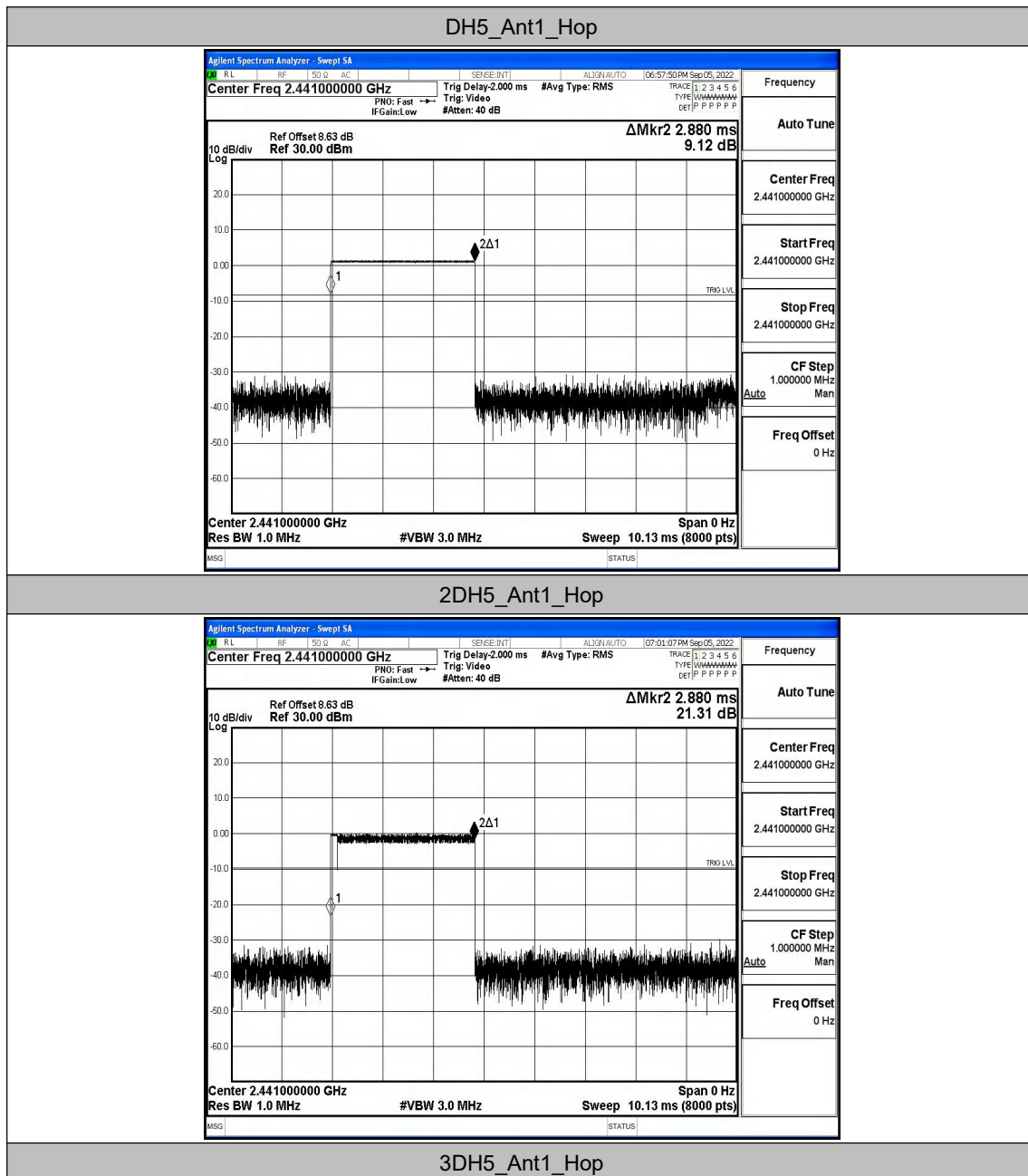
Test Result

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





Test Graphs

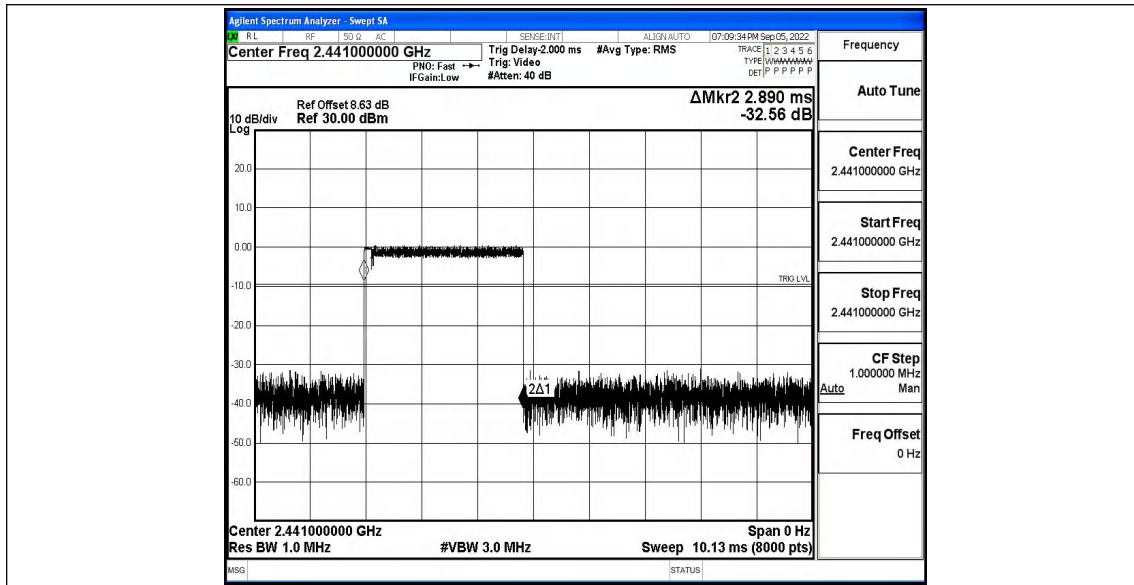


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A.5 Number of hopping channels

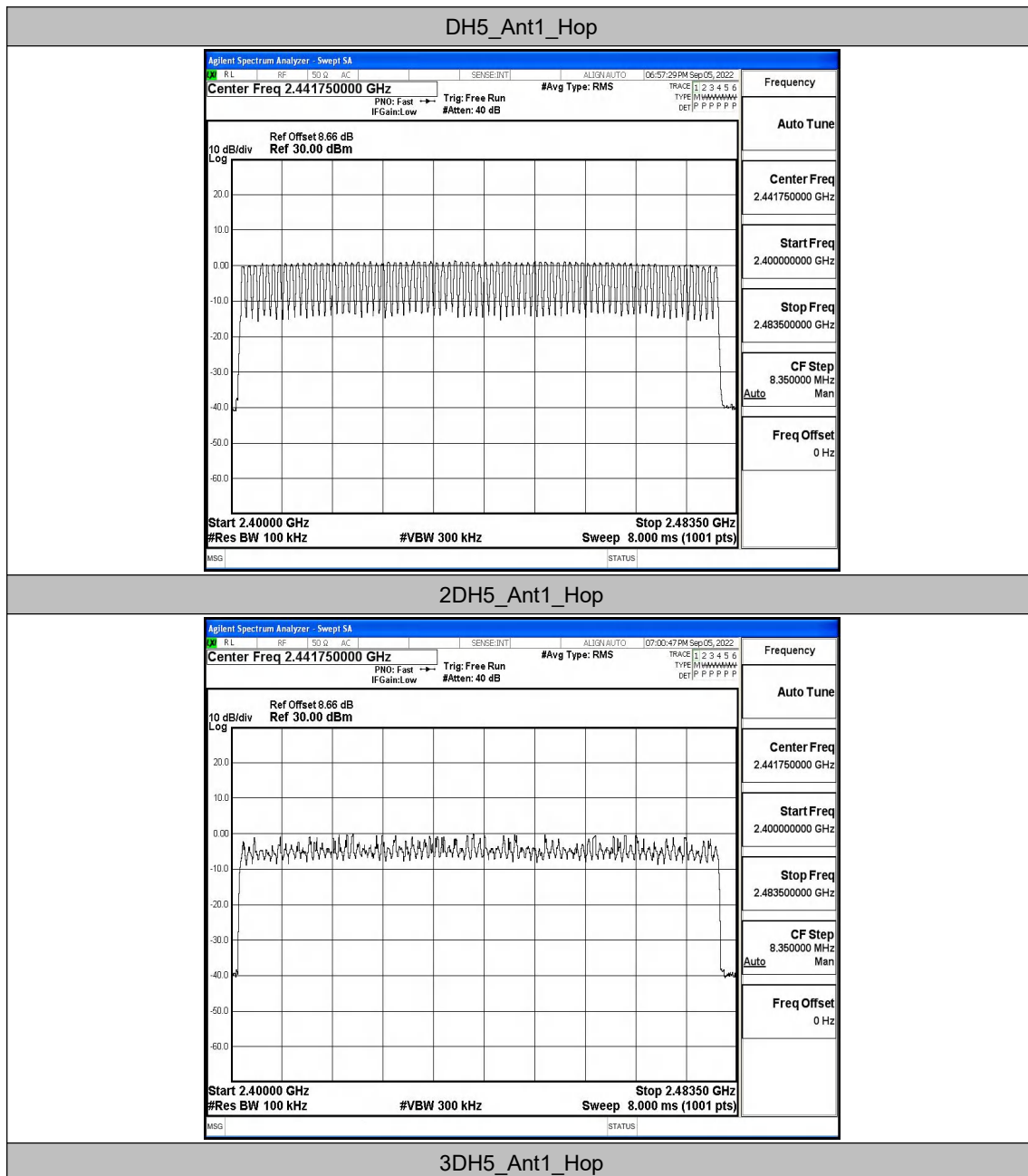
Test Result

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

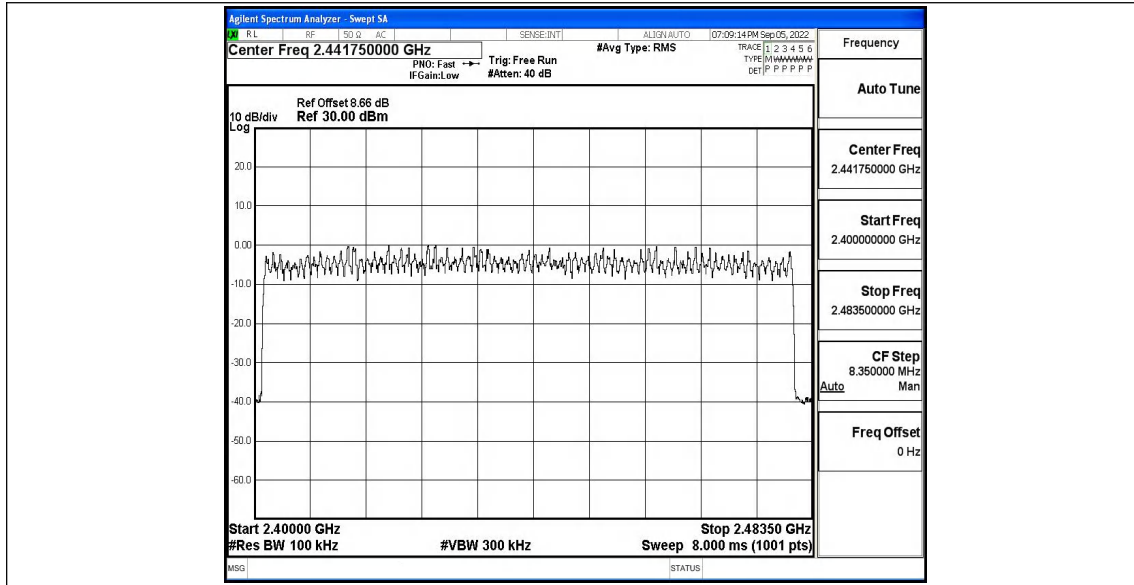


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A.6 Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.72	-58.27	≤ -20.72	PASS
		High	2480	-1.38	-58.4	≤ -21.38	PASS
		Low	Hop_2402	-0.39	-59.06	≤ -20.39	PASS
		High	Hop_2480	0.22	-57.96	≤ -19.78	PASS
2DH5	Ant1	Low	2402	-3.28	-59.72	≤ -23.28	PASS
		High	2480	-5.50	-58.95	≤ -25.5	PASS
		Low	Hop_2402	-4.06	-59.39	≤ -24.06	PASS
		High	Hop_2480	-1.57	-57.69	≤ -21.57	PASS
3DH5	Ant1	Low	2402	-4.43	-58.87	≤ -24.43	PASS
		High	2480	-4.78	-59.24	≤ -24.78	PASS
		Low	Hop_2402	-2.97	-59.18	≤ -22.97	PASS
		High	Hop_2480	-1.11	-57.64	≤ -21.11	PASS



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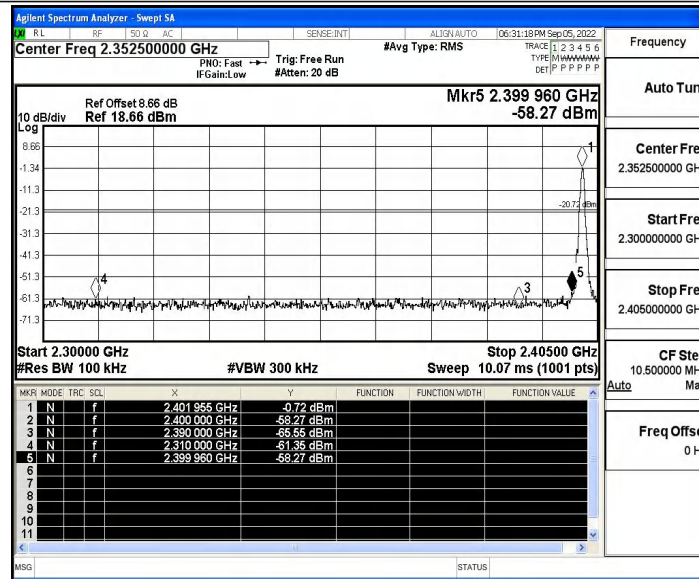
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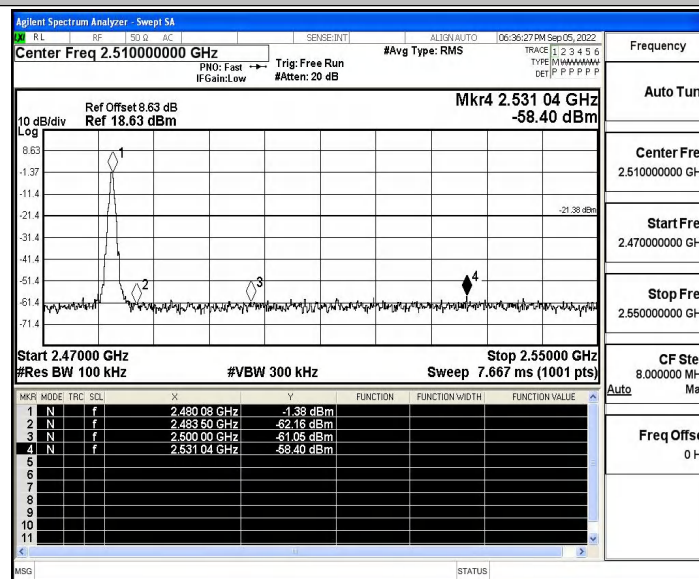


Test Graphs

DH5_Ant1_Low_2402



DH5_Ant1_High_2480



DH5_Ant1_Low_Hop_2402

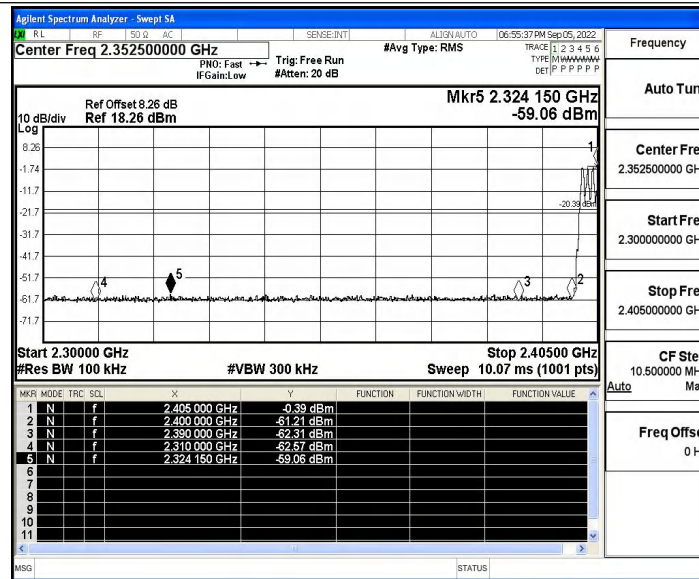


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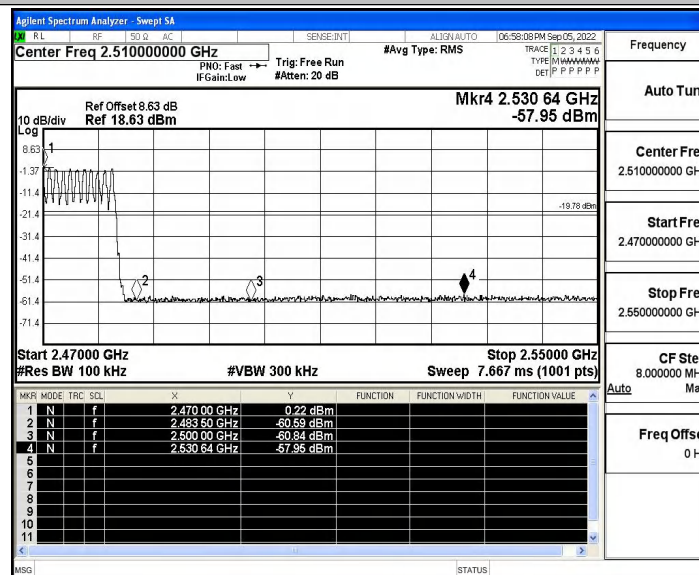
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DH5_Ant1_High_Hop_2480



2DH5_Ant1_Low_2402

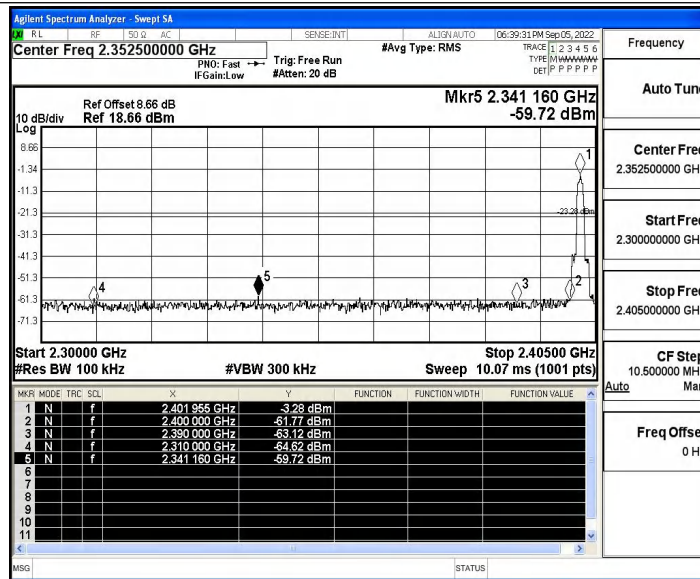


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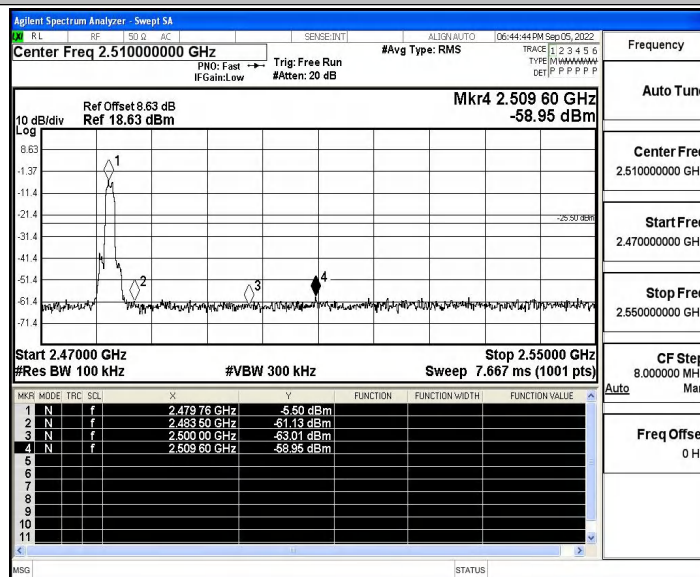
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2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402

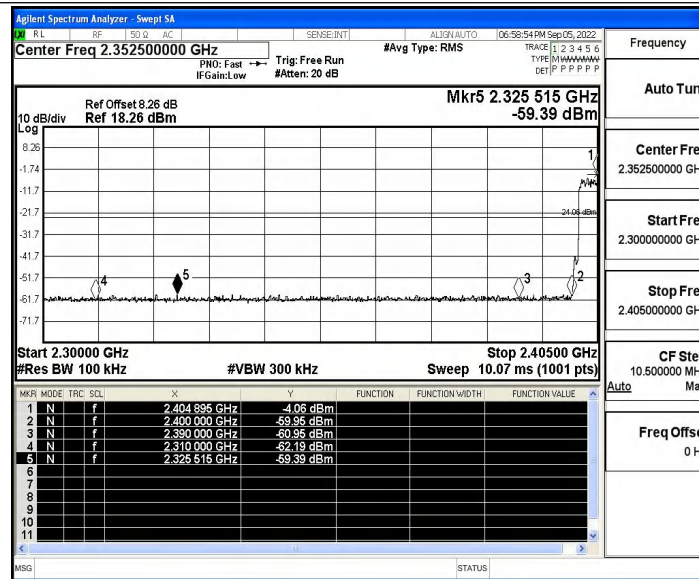


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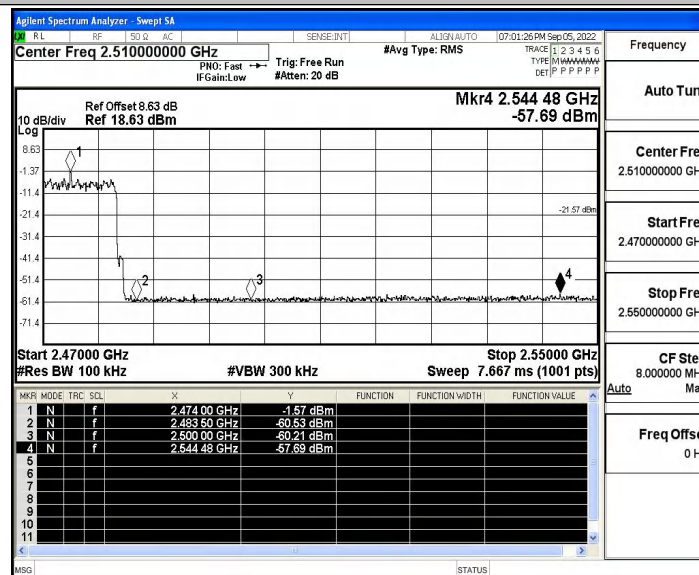
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2DH5_Ant1_High_Hop_2480



3DH5_Ant1_Low_2402

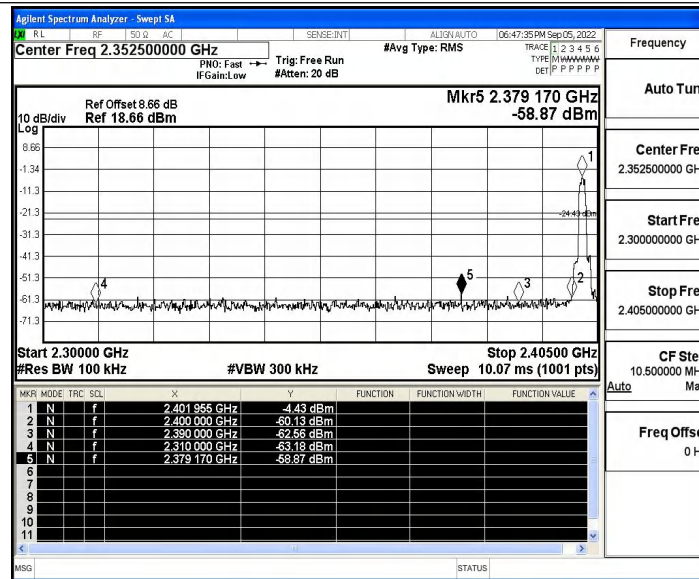


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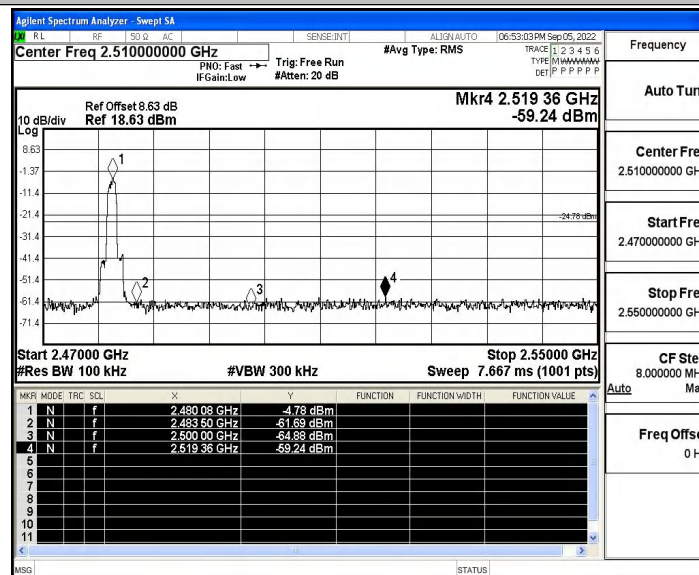
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3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402

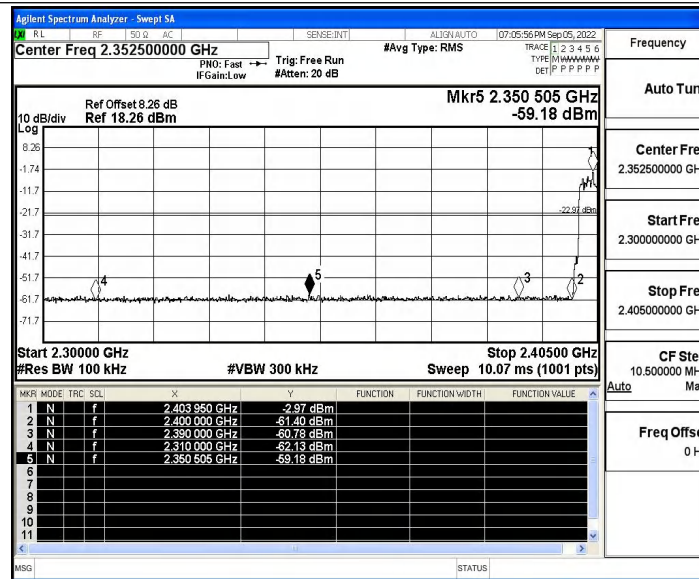


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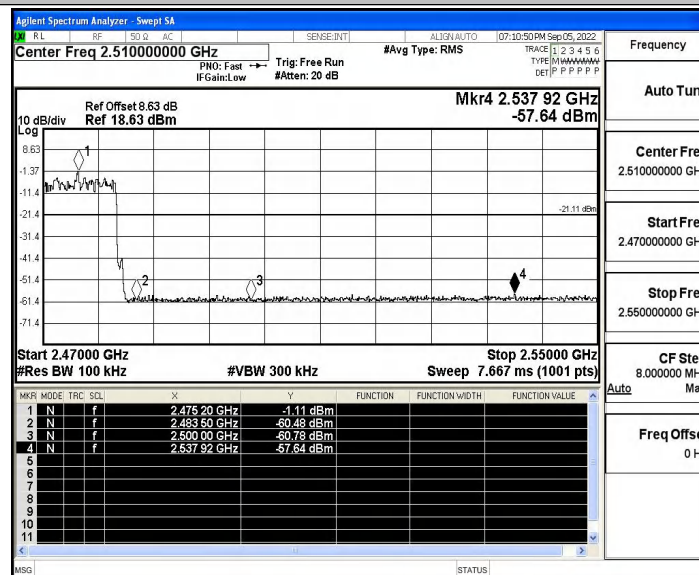
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3DH5_Ant1_High_Hop_2480



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A.7 Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-1.03	-1.03	---	PASS
			30~1000	-1.03	-60.73	≤-21.03	PASS
			1000~26500	-1.03	-46.25	≤-21.03	PASS
		2441	Reference	0.69	0.69	---	PASS
			30~1000	0.69	-61.01	≤-19.31	PASS
			1000~26500	0.69	-45.95	≤-19.31	PASS
		2480	Reference	-1.12	-1.12	---	PASS
			30~1000	-1.12	-60.96	≤-21.12	PASS
			1000~26500	-1.12	-45.38	≤-21.12	PASS
2DH5	Ant1	2402	Reference	-5.59	-5.59	---	PASS
			30~1000	-5.59	-60.29	≤-25.59	PASS
			1000~26500	-5.59	-46.79	≤-25.59	PASS
		2441	Reference	-4.60	-4.60	---	PASS
			30~1000	-4.60	-60.58	≤-24.6	PASS
			1000~26500	-4.60	-46.07	≤-24.6	PASS
		2480	Reference	-5.05	-5.05	---	PASS
			30~1000	-5.05	-59.58	≤-25.05	PASS
			1000~26500	-5.05	-45.58	≤-25.05	PASS
3DH5	Ant1	2402	Reference	-3.23	-3.23	---	PASS
			30~1000	-3.23	-60.91	≤-23.23	PASS
			1000~26500	-3.23	-46.32	≤-23.23	PASS
		2441	Reference	-3.82	-3.82	---	PASS
			30~1000	-3.82	-60.63	≤-23.82	PASS
			1000~26500	-3.82	-46.02	≤-23.82	PASS
		2480	Reference	-3.97	-3.97	---	PASS
			30~1000	-3.97	-60.3	≤-23.97	PASS
			1000~26500	-3.97	-46.29	≤-23.97	PASS



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