



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Kids Tablet

Test Model: C72W

Environmental Conditions

Temperature:	23.7° C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Wunder Wu
Supervised by:	Li huan

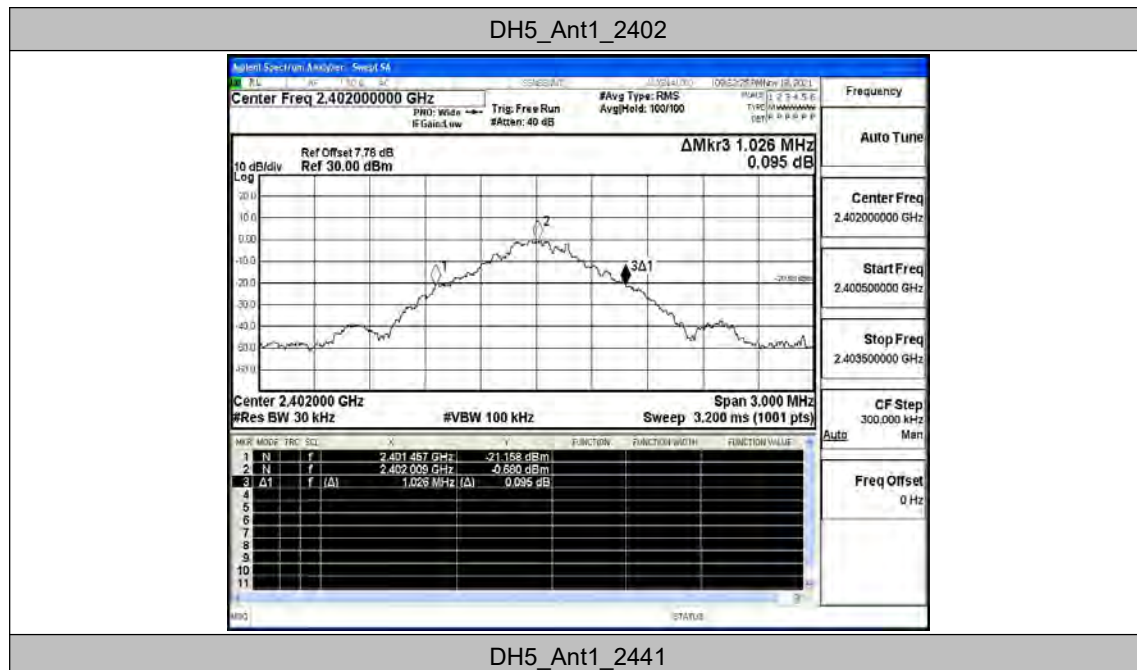


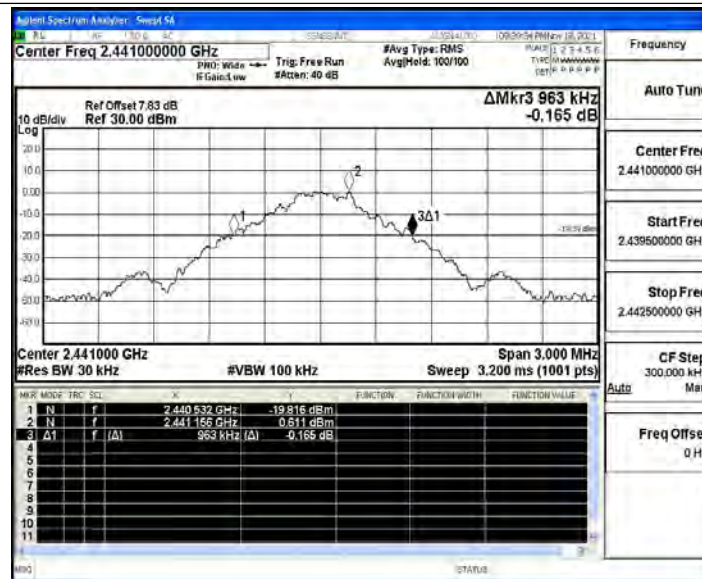
A.1 20dB Emission Bandwidth

Test Result

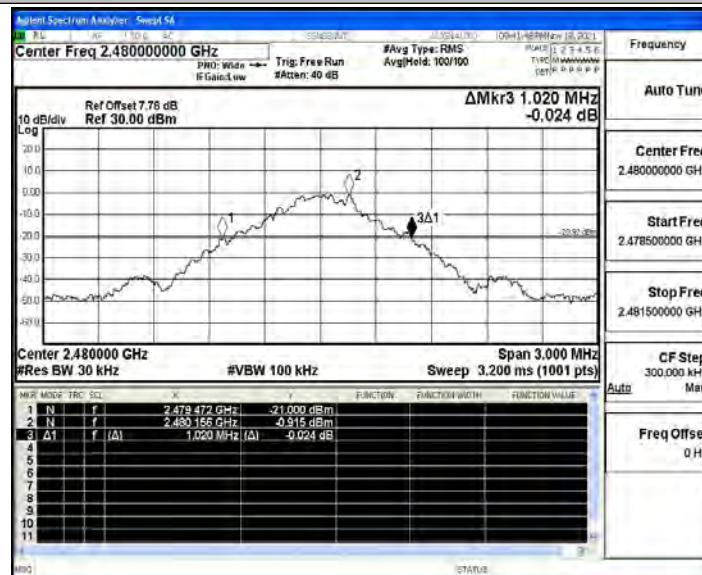
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.026	2401.457	2402.483	---	PASS
		2441	0.963	2440.532	2441.495	---	PASS
		2480	1.020	2479.472	2480.492	---	PASS
2DH5	Ant1	2402	1.326	2401.334	2402.660	---	PASS
		2441	1.320	2440.334	2441.654	---	PASS
		2480	1.284	2479.364	2480.648	---	PASS
3DH5	Ant1	2402	1.296	2401.352	2402.648	---	PASS
		2441	1.299	2440.349	2441.648	---	PASS
		2480	1.290	2479.355	2480.645	---	PASS

Test Graphs

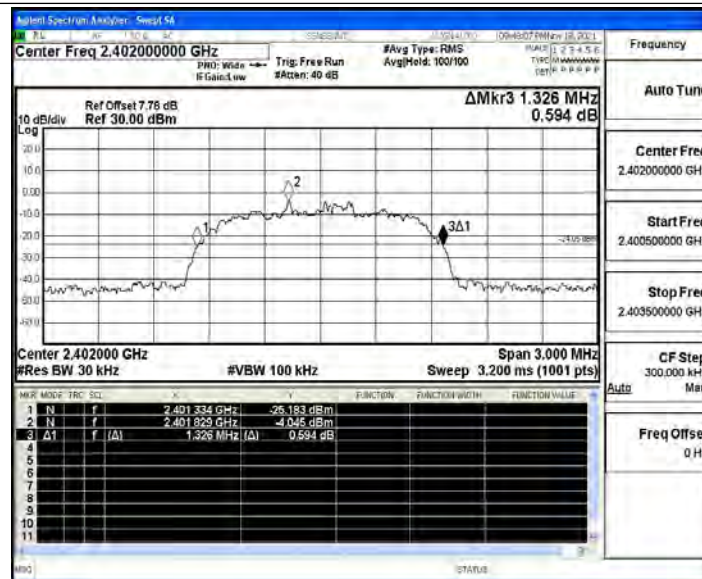




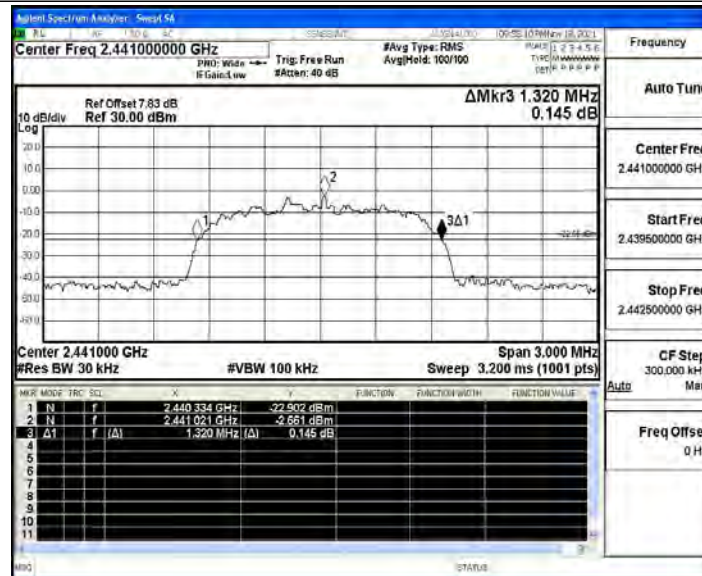
DH5_Ant1_2480



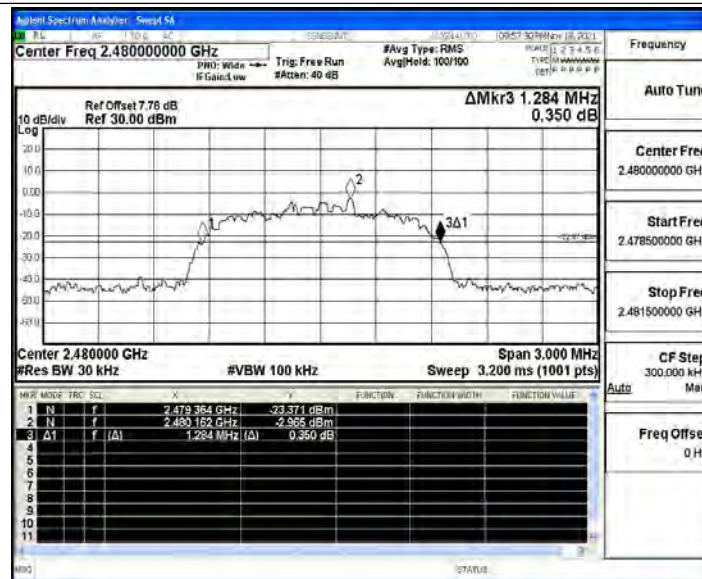
2DH5_Ant1_2402



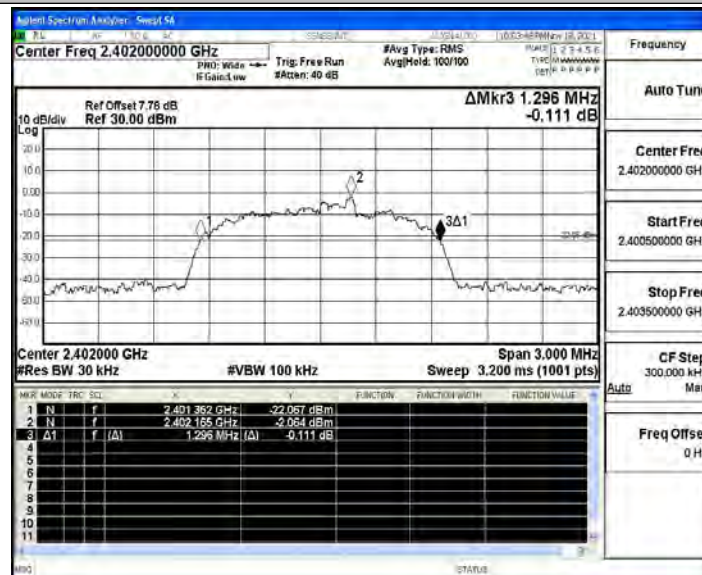
2DH5_Ant1_2441



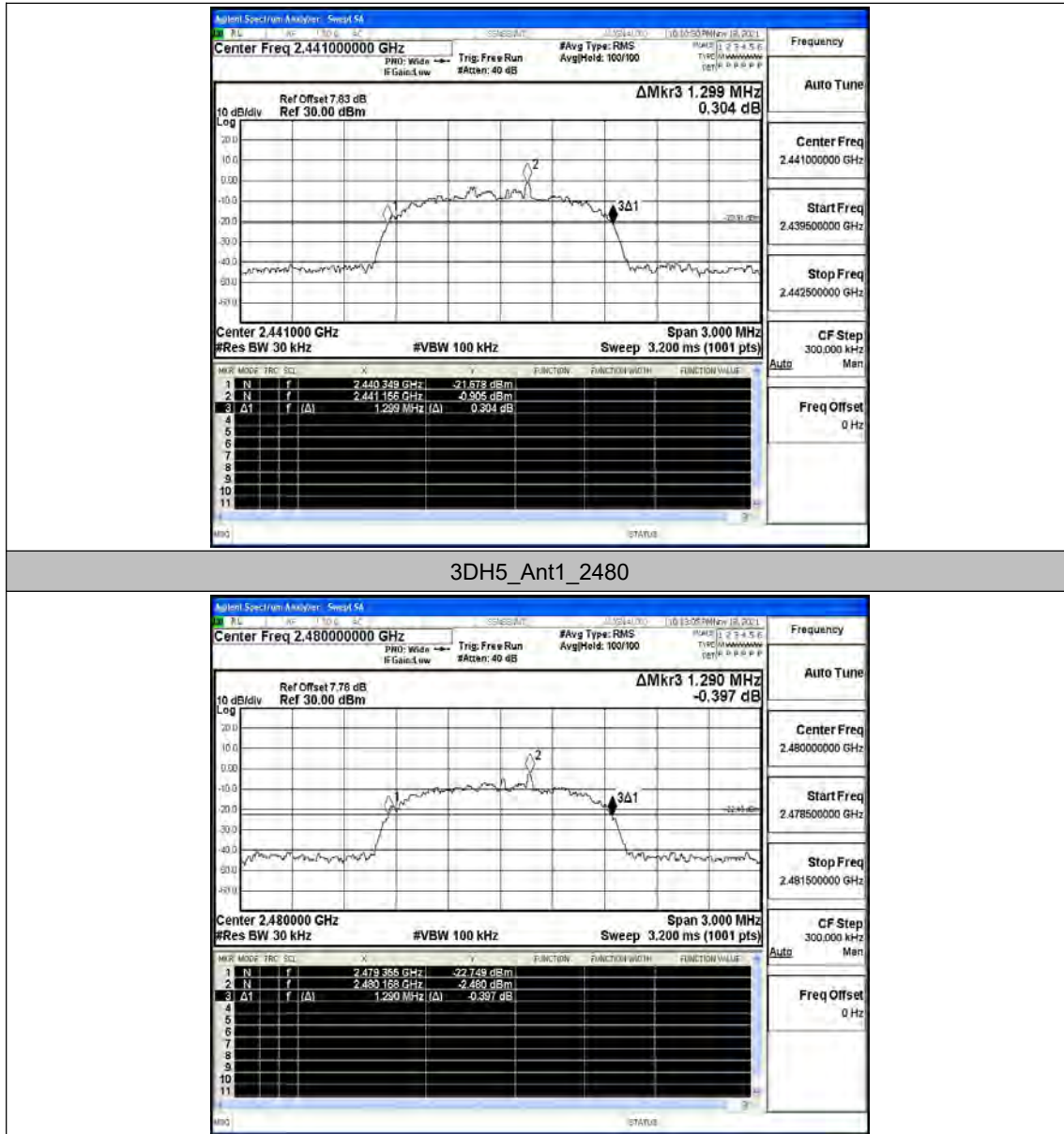
2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



A.2 Maximum conducted output power

Test Result

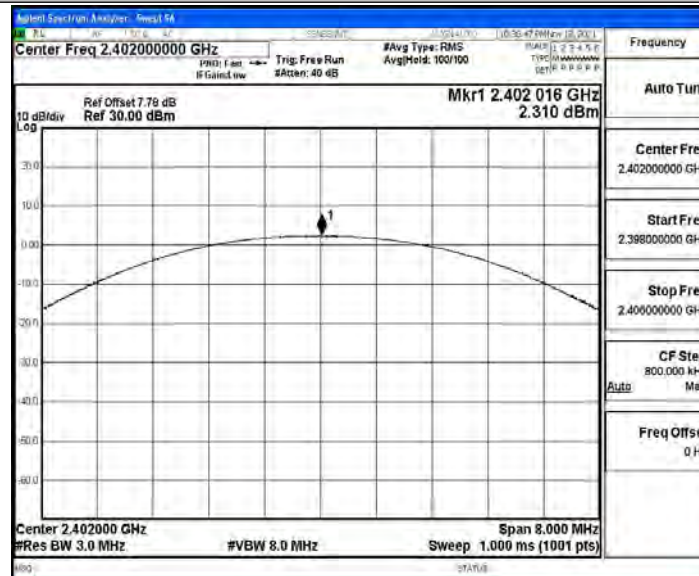
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	2.31	≤30	PASS
		2441	2.38	≤30	PASS
		2480	1.86	≤30	PASS
2DH5	Ant1	2402	1.4	≤20.97	PASS
		2441	2.49	≤20.97	PASS
		2480	1.04	≤20.97	PASS
3DH5	Ant1	2402	1.51	≤20.97	PASS



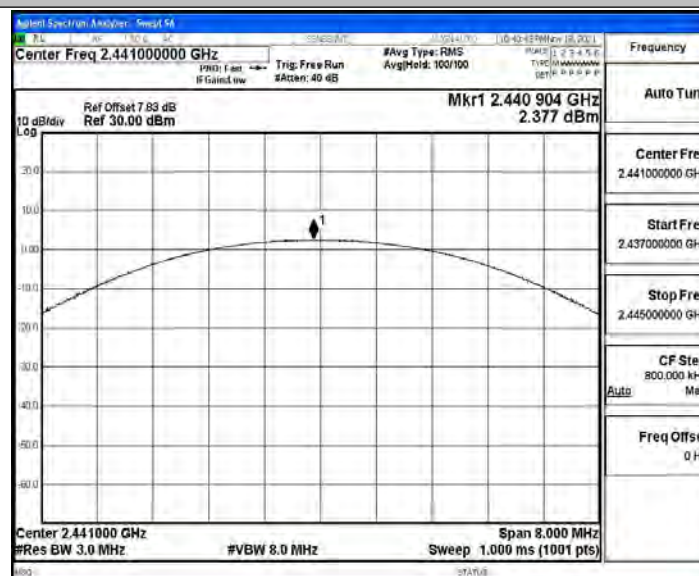
		2441	2.63	≤20.97	PASS
		2480	1.19	≤20.97	PASS

Test Graphs

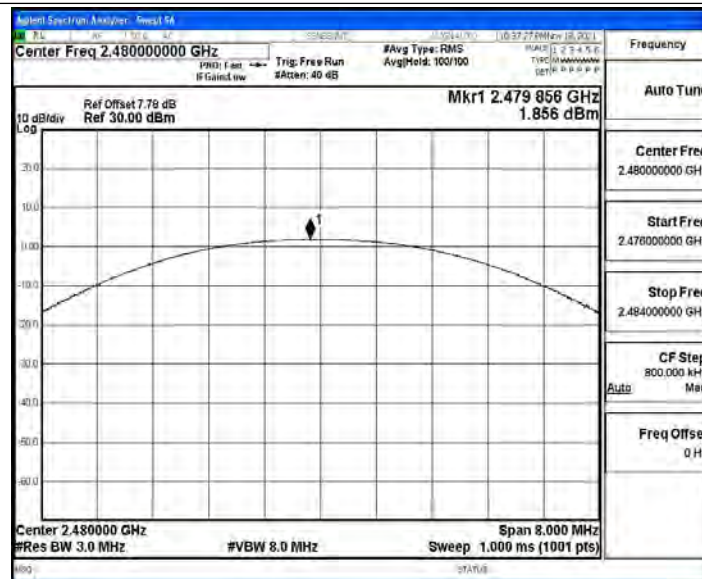
DH5_Ant1_2402



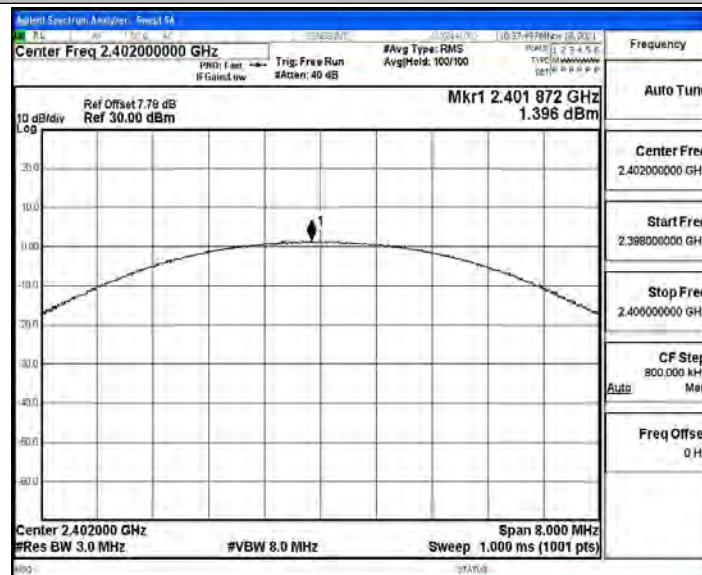
DH5_Ant1_2441



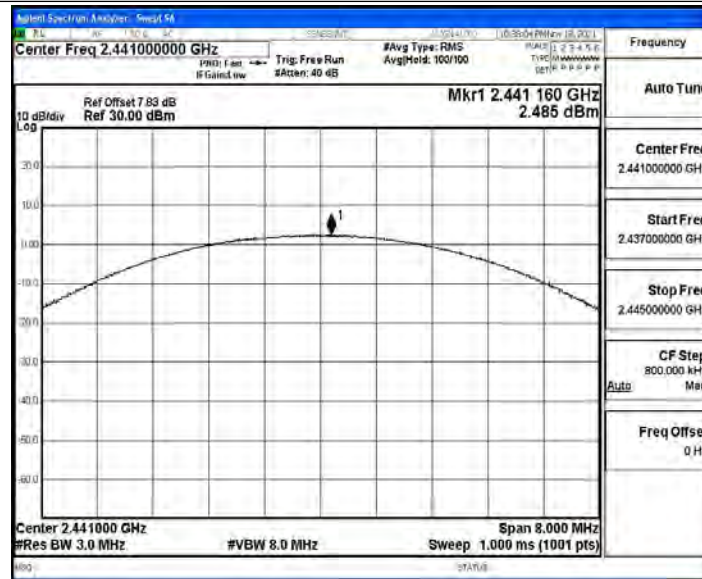
DH5_Ant1_2480



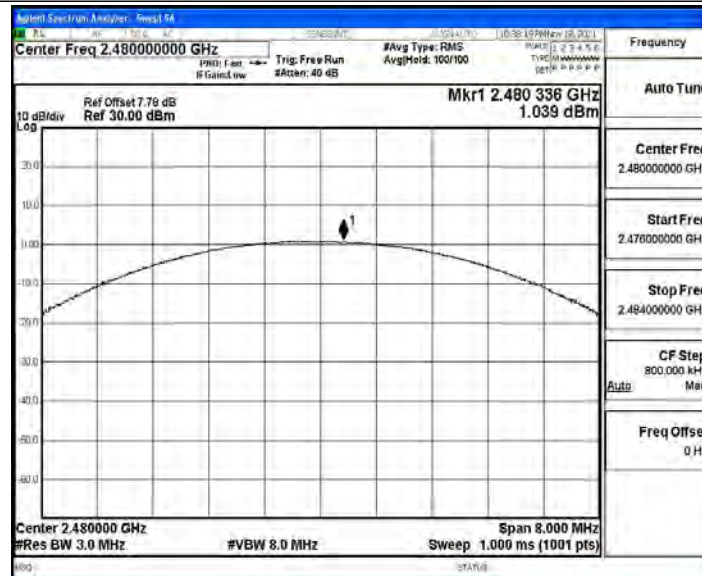
2DH5_Ant1_2402



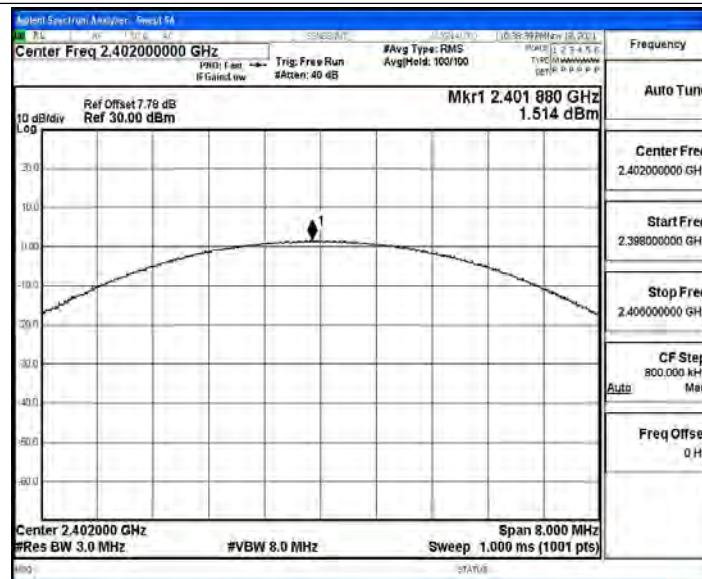
2DH5_Ant1_2441



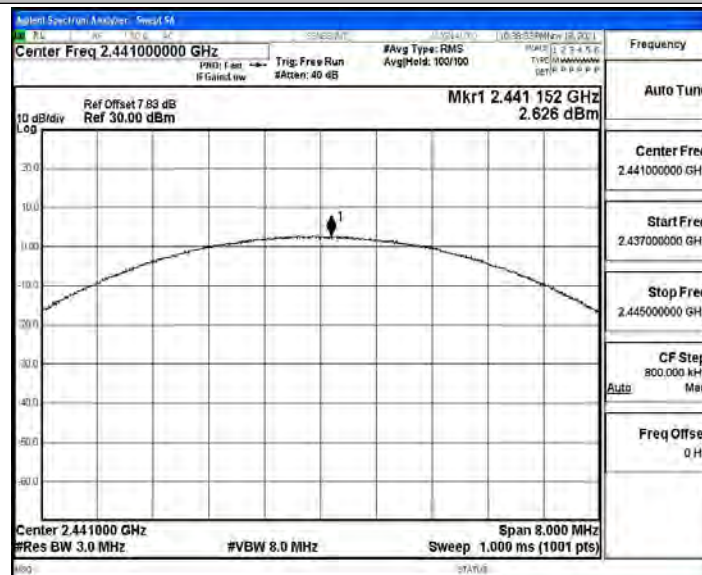
2DH5_Ant1_2480



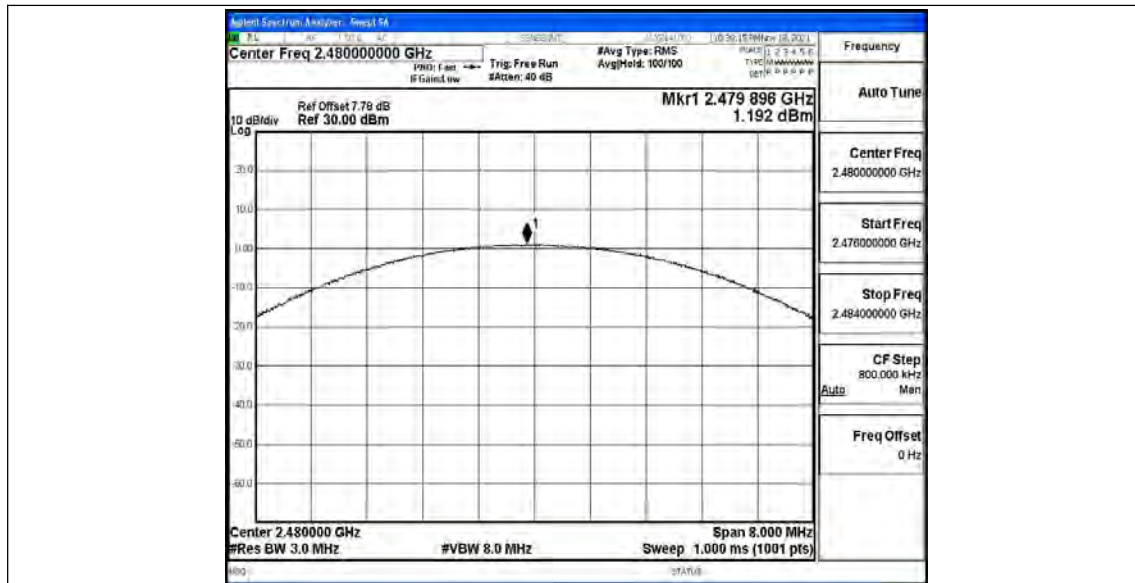
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

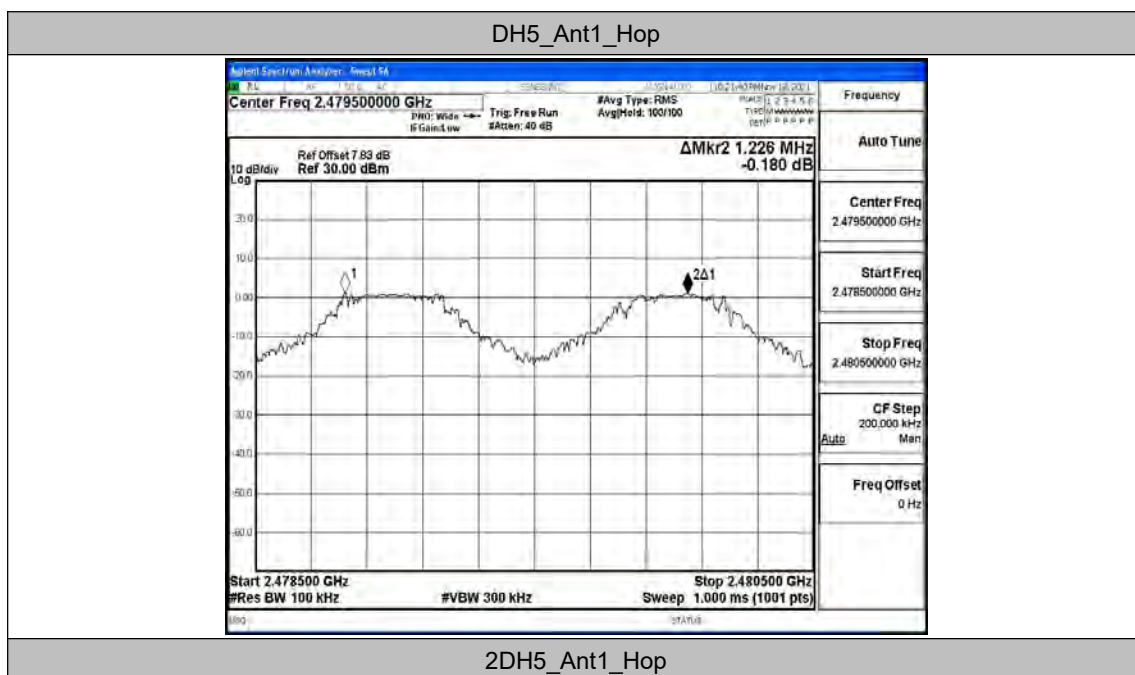


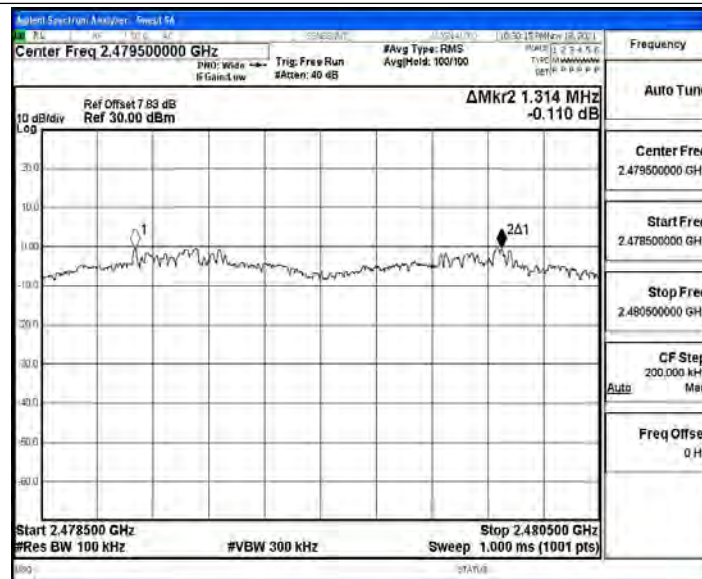
A.3 Carrier frequency separation

Test Result

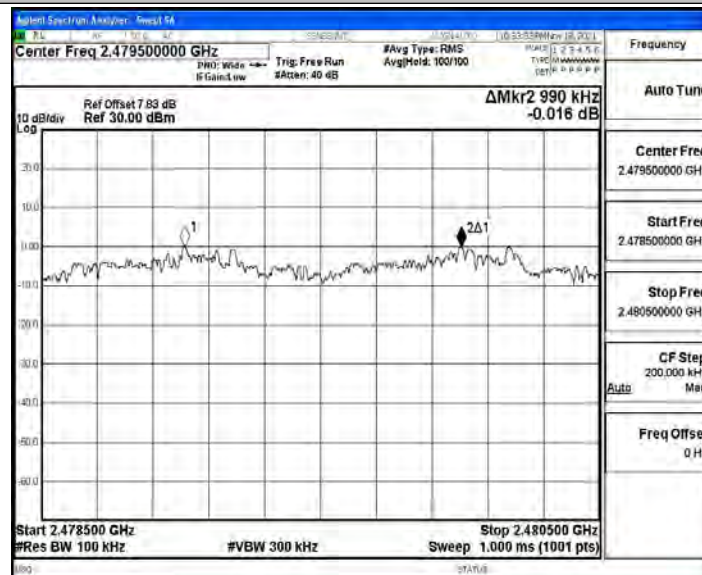
TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.226	≥ 1.026	PASS
2DH5	Ant1	Hop	1.314	≥ 0.884	PASS
3DH5	Ant1	Hop	0.99	≥ 0.866	PASS

Test Graphs





3DH5_Ant1_Hop



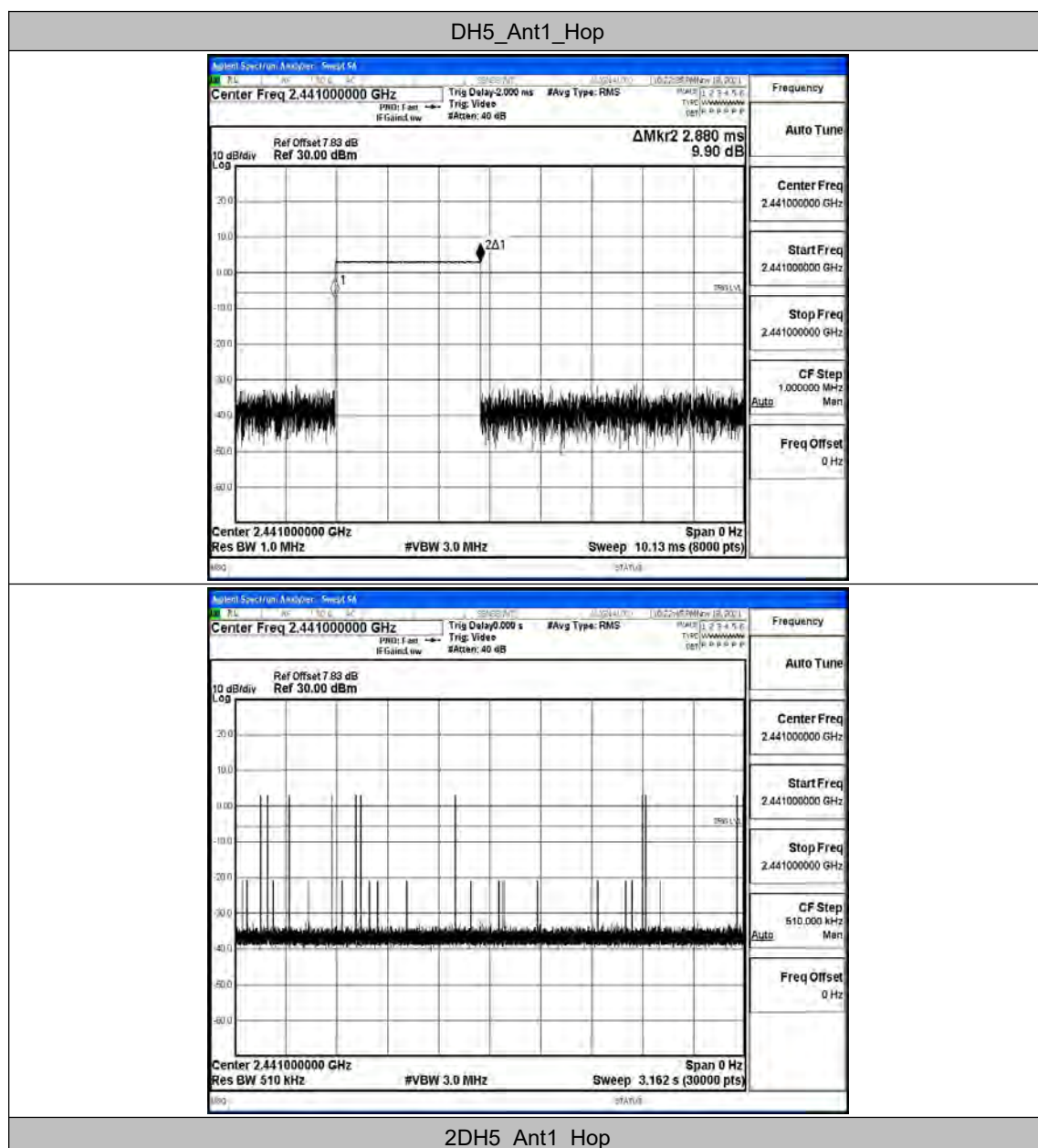


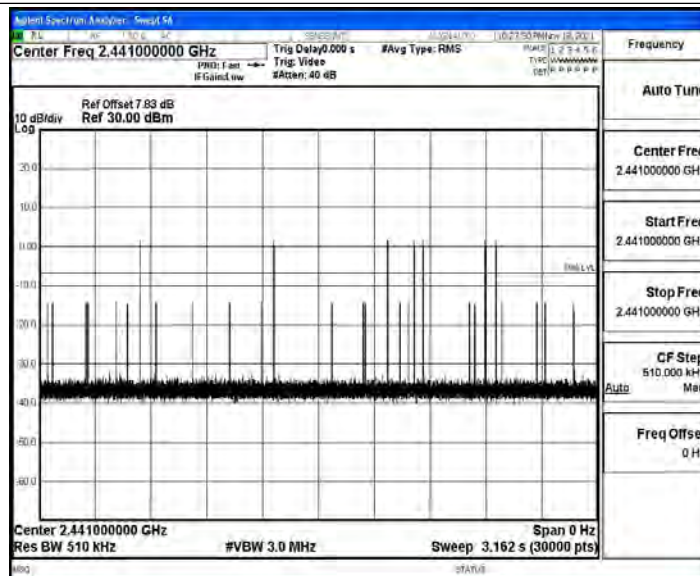
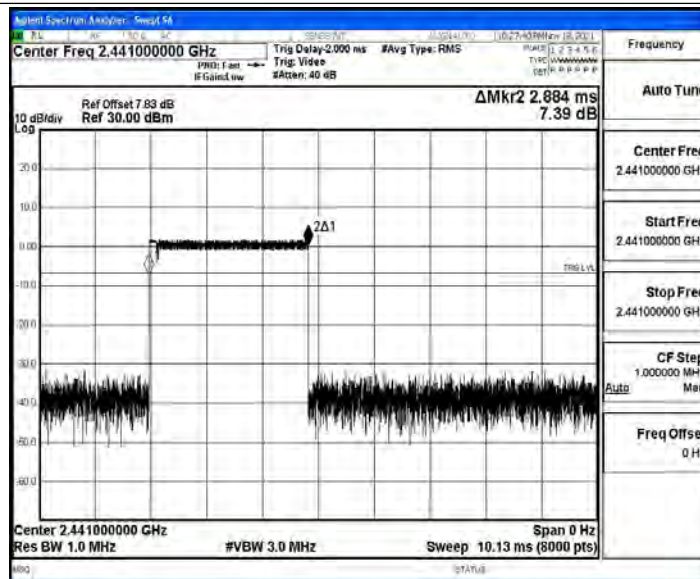
A.4 Time of occupancy

Test Result

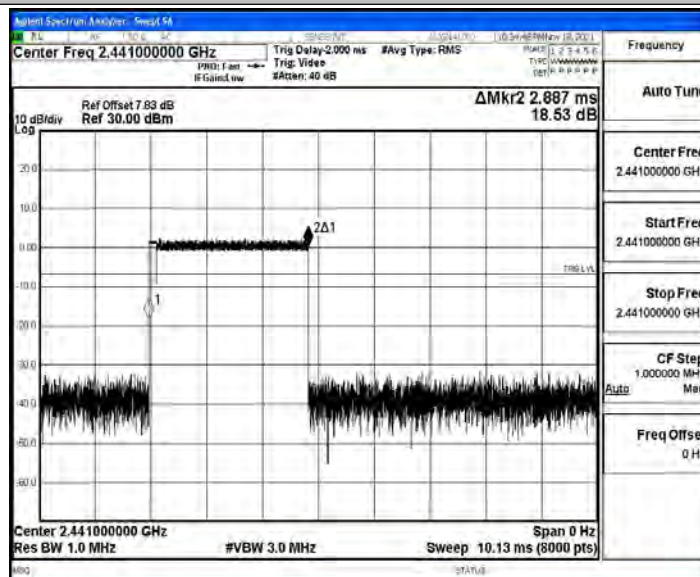
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.88	120	0.346	≤0.4	PASS
2DH5	Ant1	Hop	2.88	80	0.231	≤0.4	PASS
3DH5	Ant1	Hop	2.89	90	0.26	≤0.4	PASS

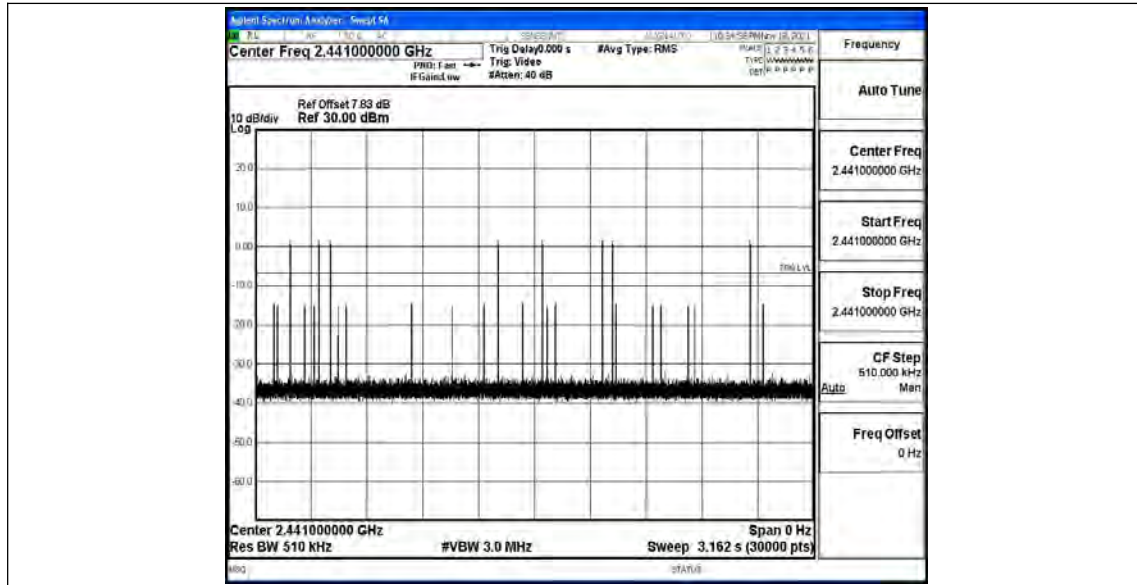
Test Graphs





3DH5_Ant1_Hop







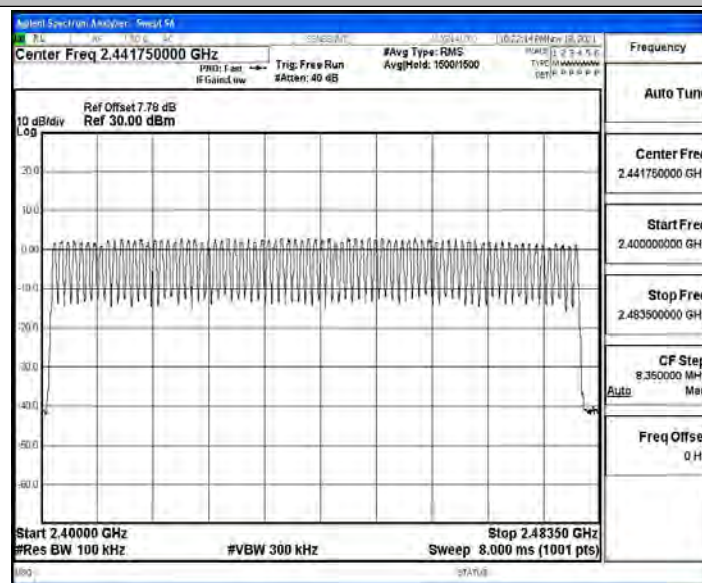
A.5 Number of hopping channels

Test Result

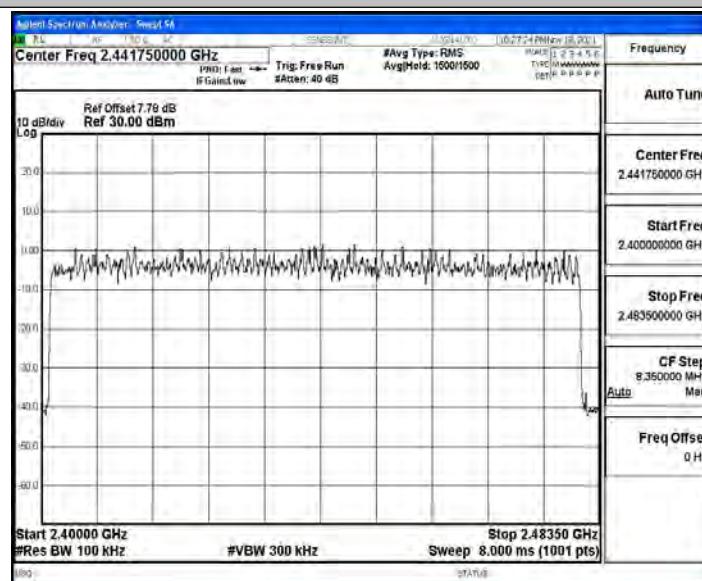
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs

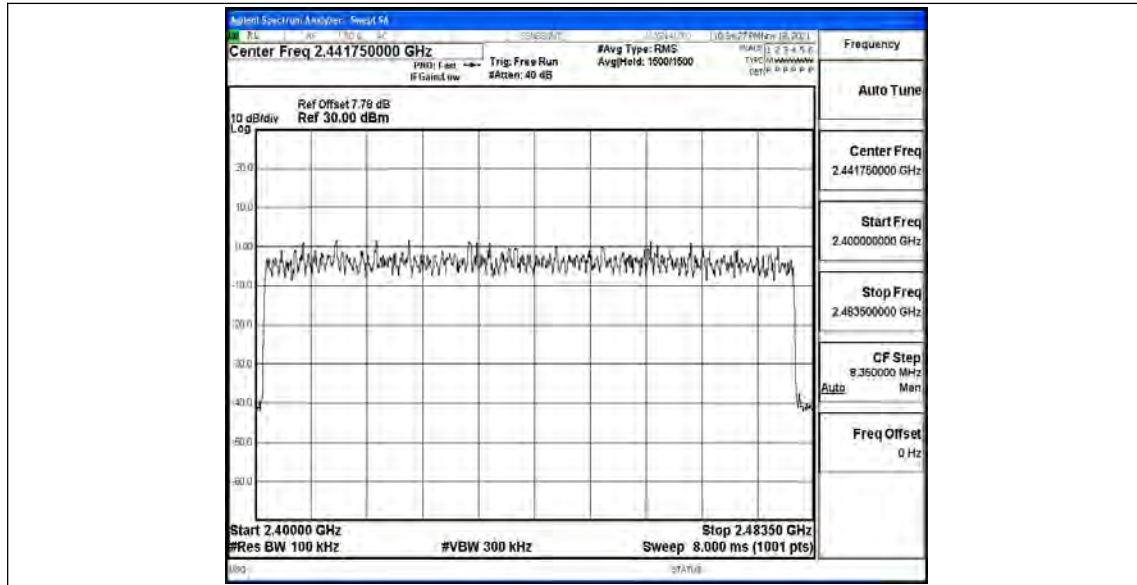
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



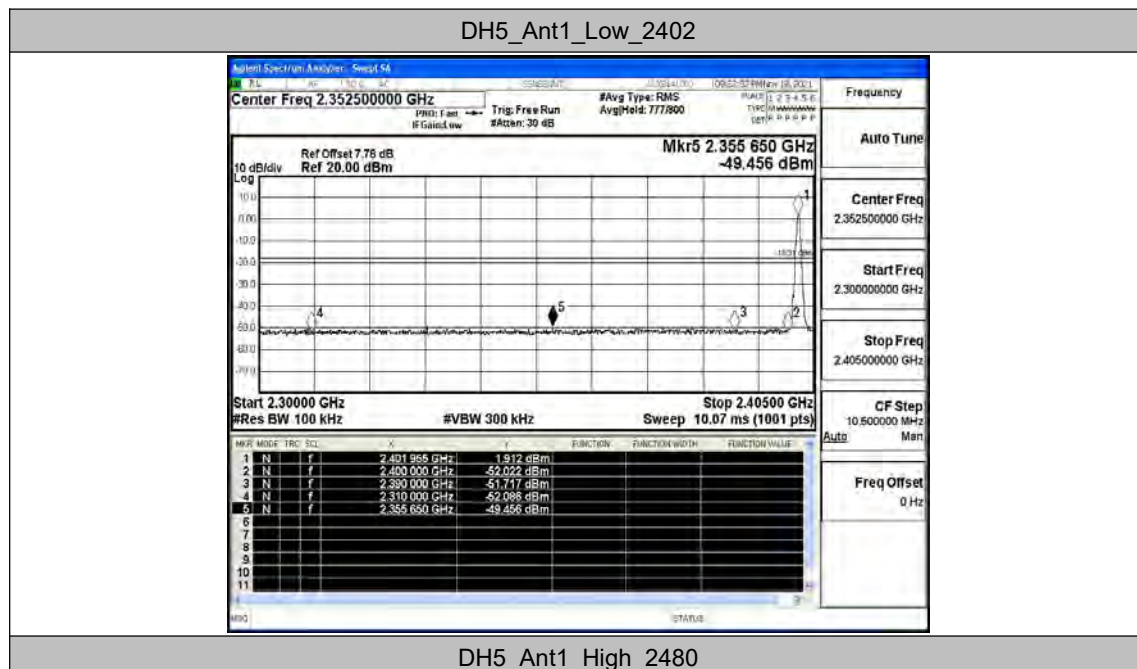


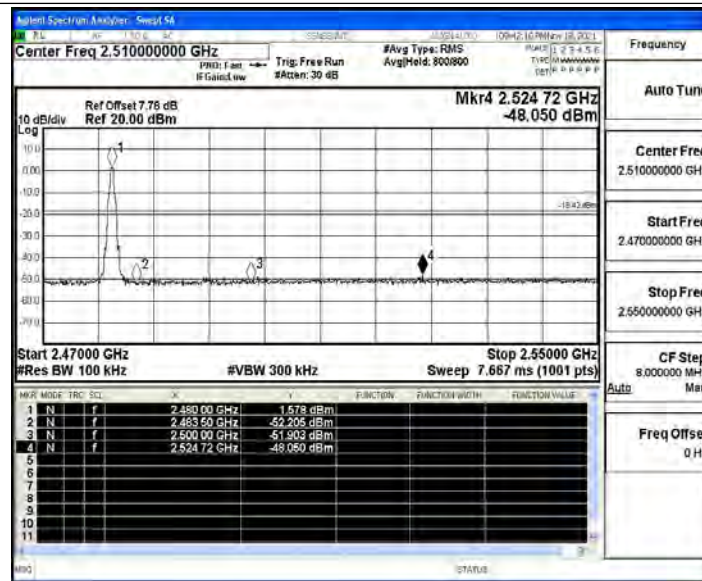
A.6 Band edge measurements

Test Result

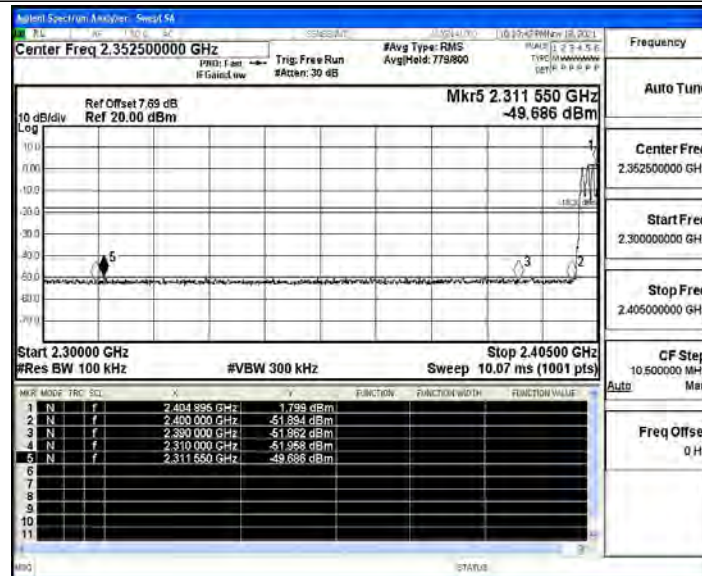
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.69	-49.46	≤-18.31	PASS
		High	2480	1.58	-48.05	≤-18.42	PASS
		Low	Hop_2402	1.80	-49.69	≤-18.2	PASS
		High	Hop_2480	2.07	-48.15	≤-17.93	PASS
2DH5	Ant1	Low	2402	-2.74	-49.15	≤-22.74	PASS
		High	2480	-0.30	-48.83	≤-20.3	PASS
		Low	Hop_2402	-2.74	-48.91	≤-22.74	PASS
		High	Hop_2480	0.19	-49.02	≤-19.81	PASS
3DH5	Ant1	Low	2402	0.40	-49.51	≤-19.6	PASS
		High	2480	0.01	-48.54	≤-19.99	PASS
		Low	Hop_2402	-3.71	-50.08	≤-23.71	PASS
		High	Hop_2480	-0.10	-47.82	≤-20.1	PASS

Test Graphs

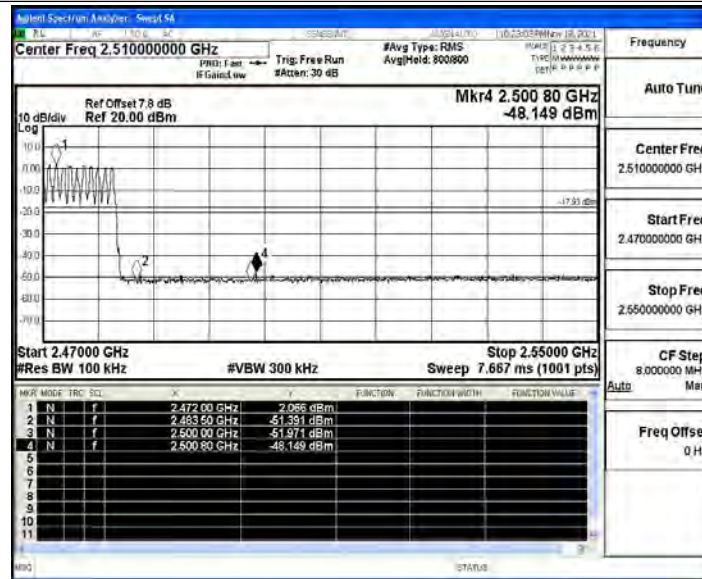




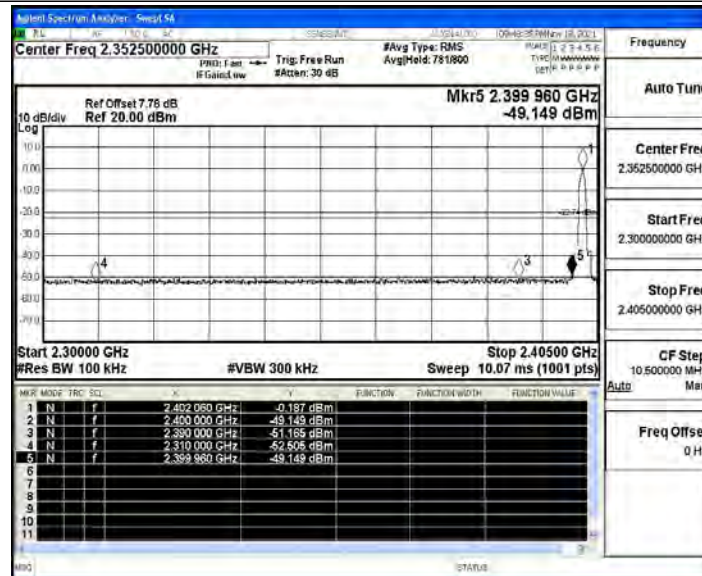
DH5_Ant1_Low_Hop_2402



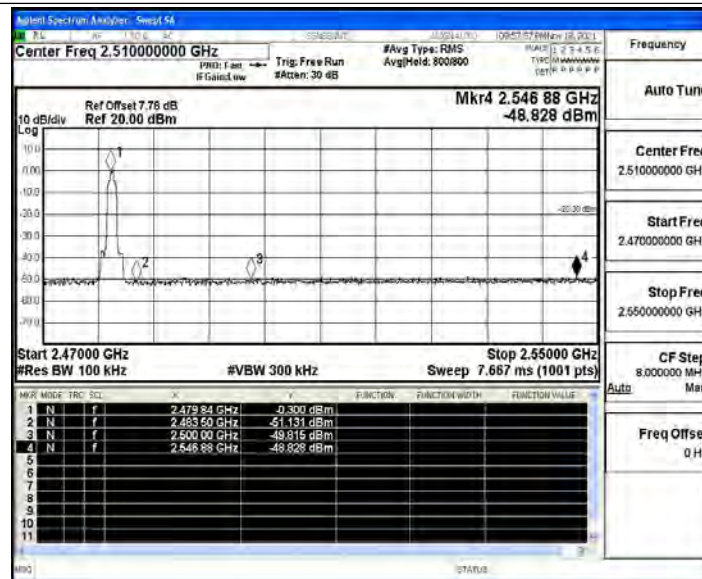
DH5_Ant1_High_Hop_2480



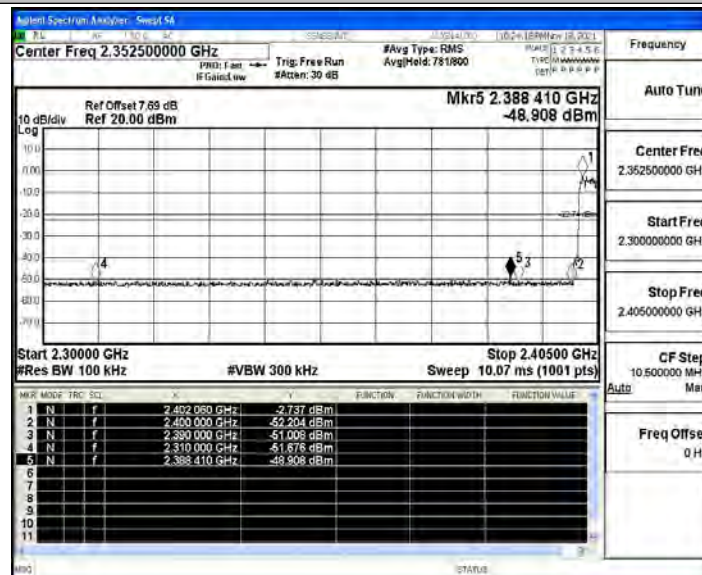
2DH5_Ant1_Low_2402



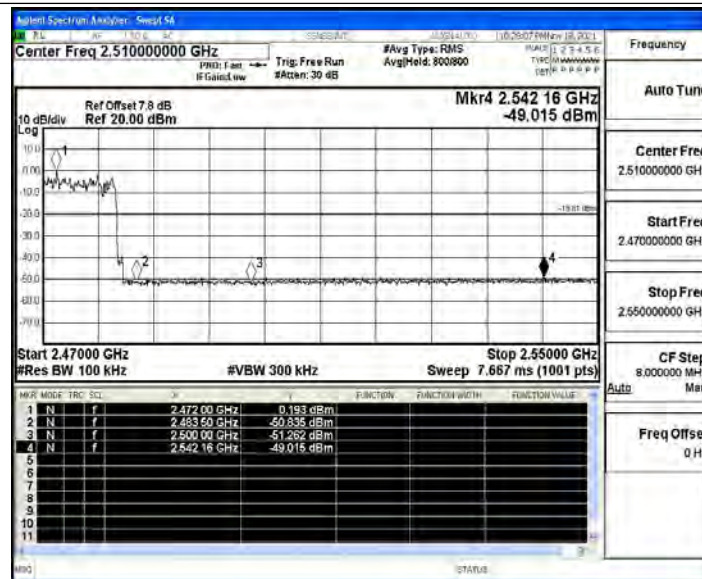
2DH5_Ant1_High_2480



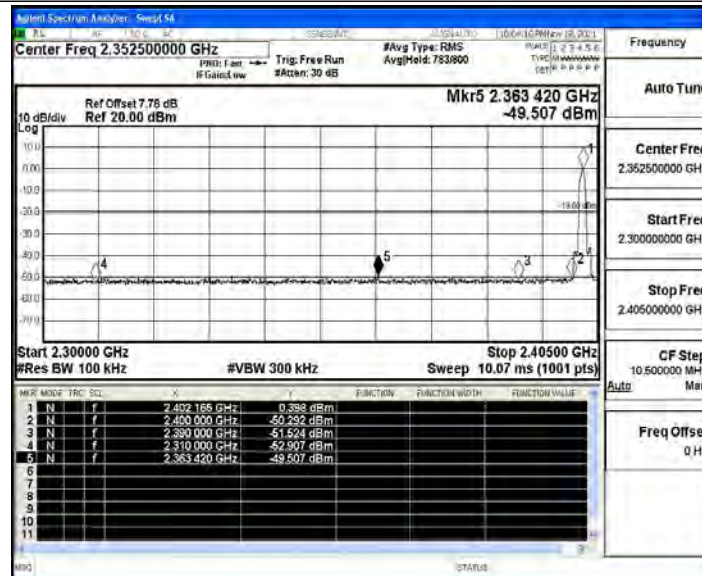
2DH5_Ant1_Low_Hop_2402



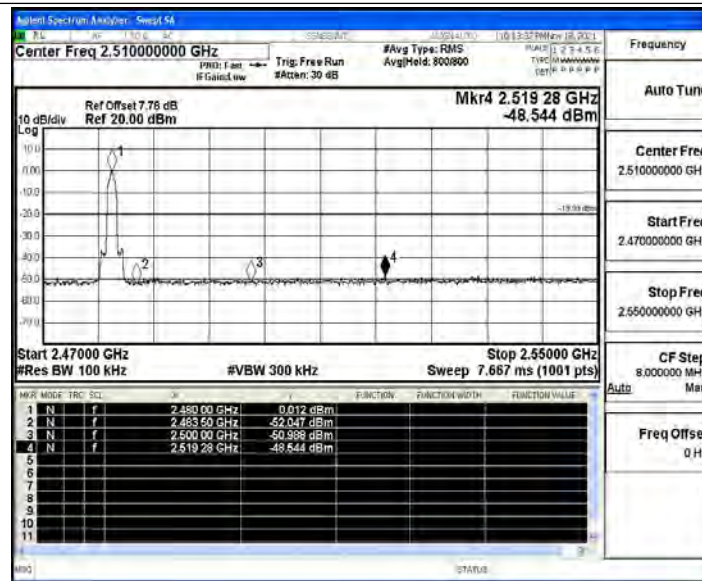
2DH5_Ant1_High_Hop_2480



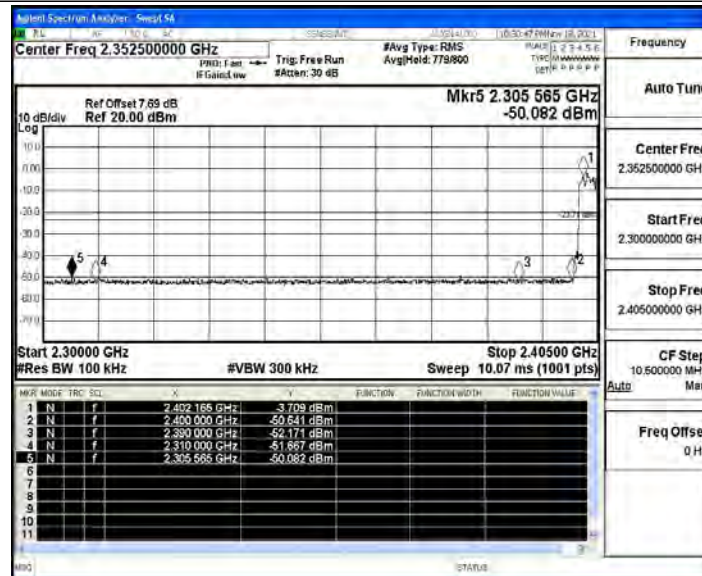
3DH5_Ant1_Low_2402



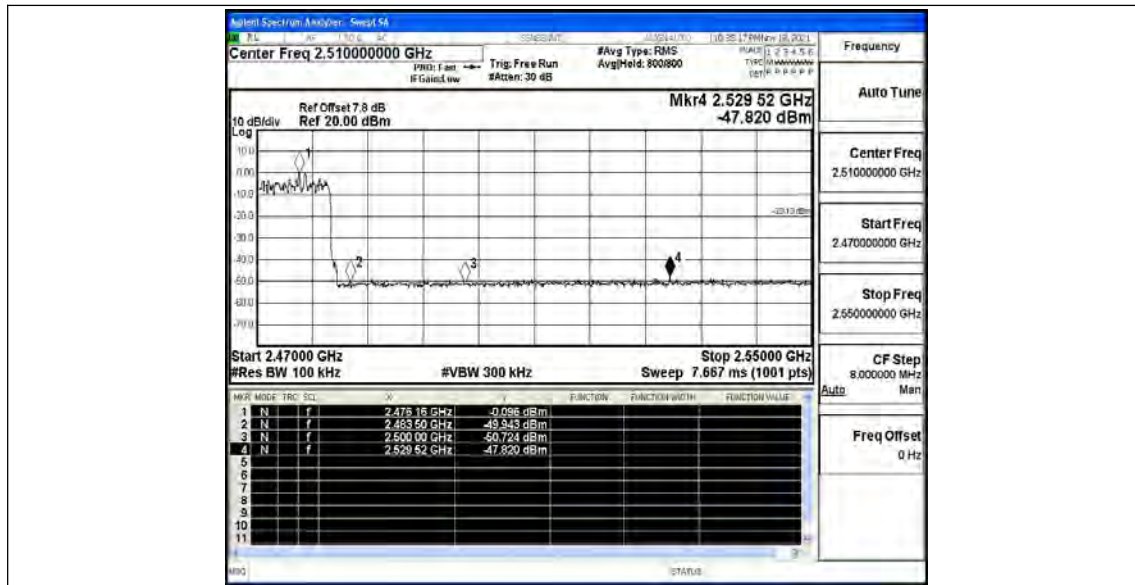
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480





A.7 Conducted Spurious Emission

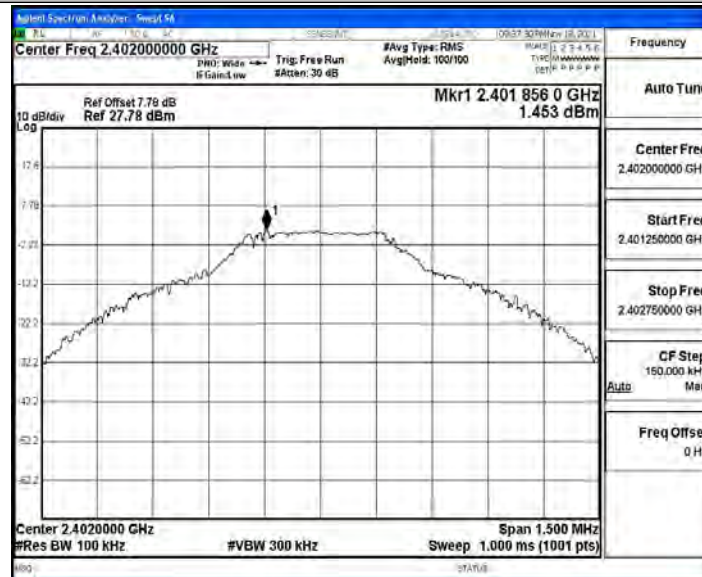
Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	1.45	1.45	---	PASS
			30~1000	1.45	-61.11	≤-18.55	PASS
			1000~26500	1.45	-46.94	≤-18.55	PASS
		2441	Reference	2.87	2.87	---	PASS
			30~1000	2.87	-60.79	≤-17.13	PASS
			1000~26500	2.87	-47.77	≤-17.13	PASS
		2480	Reference	0.87	0.87	---	PASS
			30~1000	0.87	-61.31	≤-19.13	PASS
			1000~26500	0.87	-46.5	≤-19.13	PASS
2DH5	Ant1	2402	Reference	-2.93	-2.93	---	PASS
			30~1000	-2.93	-62.13	≤-22.93	PASS
			1000~26500	-2.93	-47.32	≤-22.93	PASS
		2441	Reference	0.11	0.11	---	PASS
			30~1000	0.11	-61.26	≤-19.89	PASS
			1000~26500	0.11	-47.44	≤-19.89	PASS
		2480	Reference	-3.18	-3.18	---	PASS
			30~1000	-3.18	-60.73	≤-23.18	PASS
			1000~26500	-3.18	-47.21	≤-23.18	PASS
3DH5	Ant1	2402	Reference	0.33	0.33	---	PASS
			30~1000	0.33	-61.5	≤-19.67	PASS
			1000~26500	0.33	-46.9	≤-19.67	PASS
		2441	Reference	1.10	1.10	---	PASS
			30~1000	1.10	-61.51	≤-18.9	PASS
			1000~26500	1.10	-47.14	≤-18.9	PASS
		2480	Reference	-0.18	-0.18	---	PASS
			30~1000	-0.18	-61.29	≤-20.18	PASS
			1000~26500	-0.18	-46.62	≤-20.18	PASS

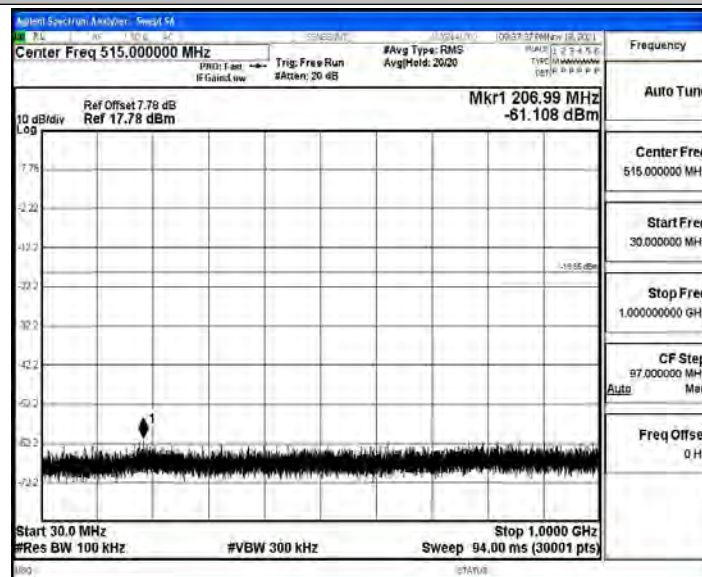


Test Graphs

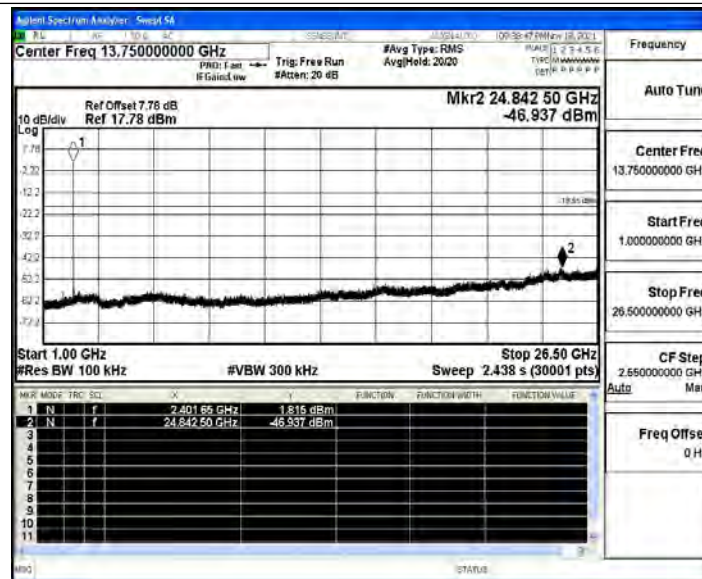
DH5_Ant1_2402_0~Reference



DH5_Ant1_2402_30~1000



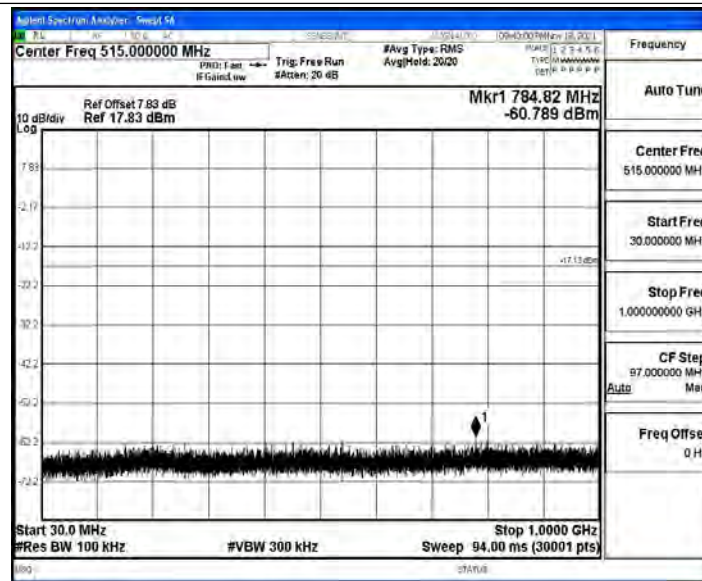
DH5_Ant1_2402_1000~26500



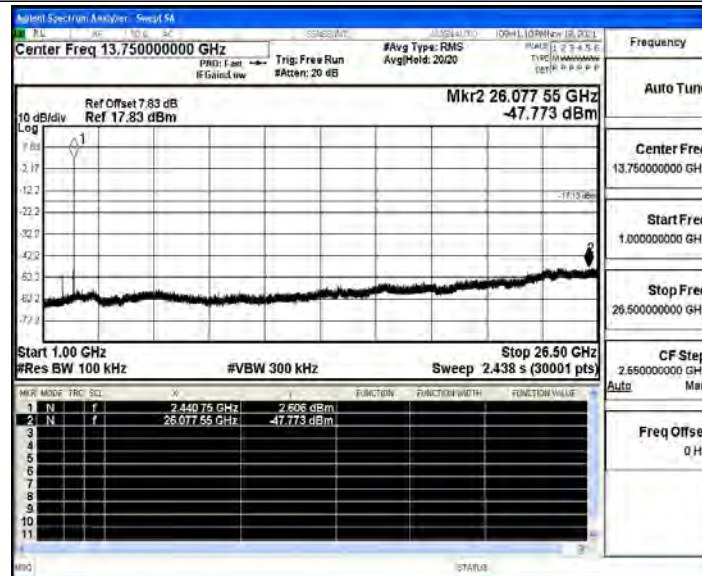
DH5_Ant1_2441_0~Reference



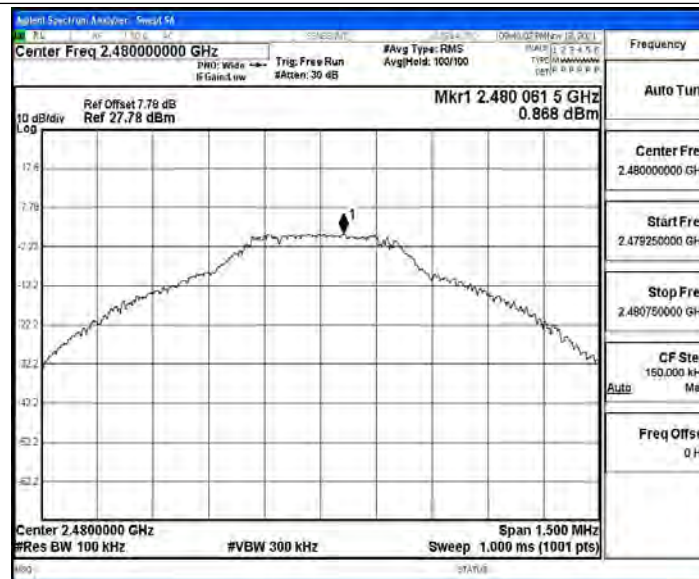
DH5_Ant1_2441_30~1000



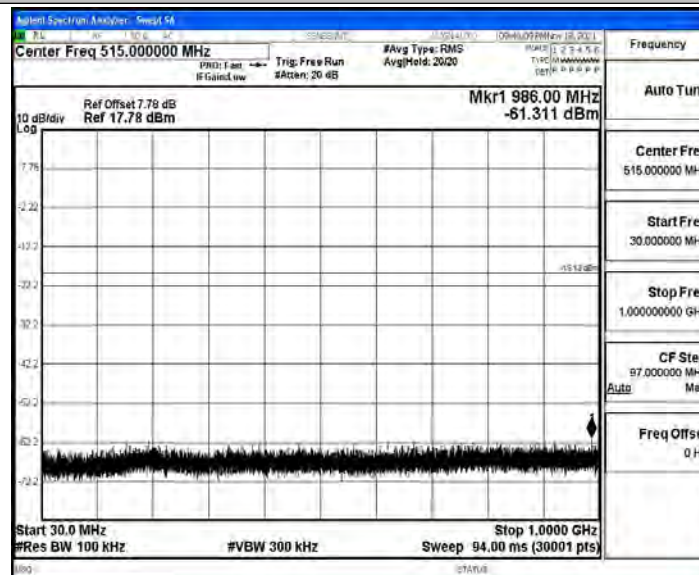
DH5_Ant1_2441_1000~26500



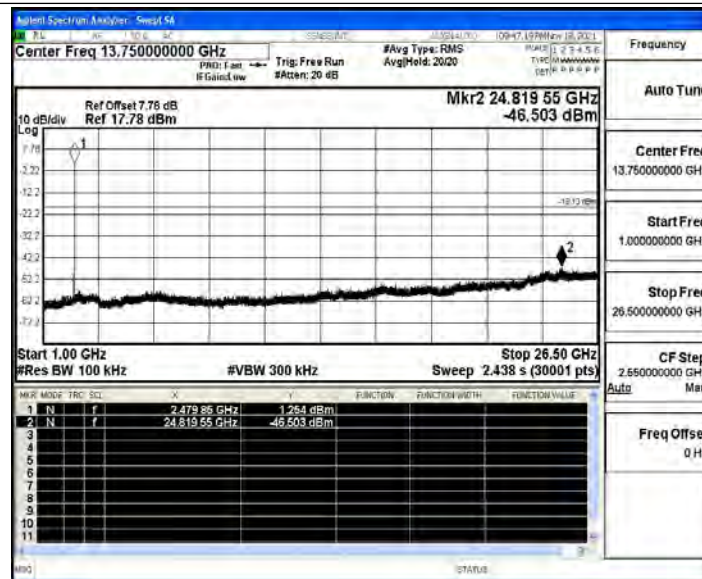
DH5_Ant1_2480_0~Reference



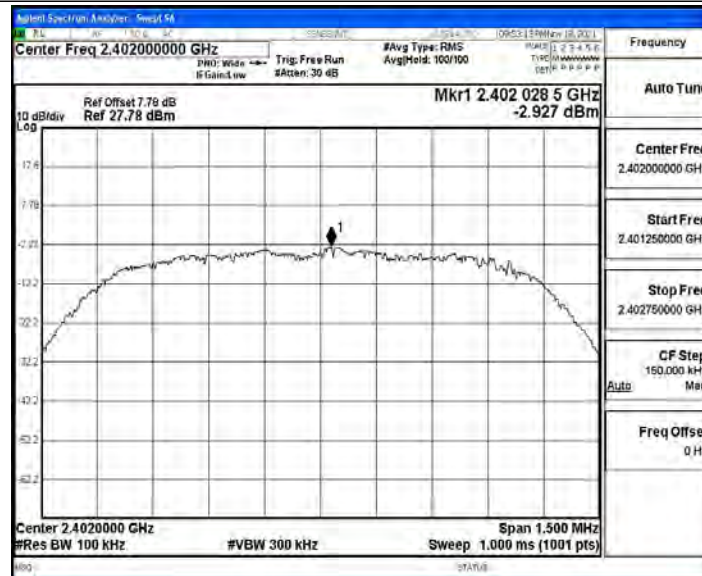
DH5_Ant1_2480_30~1000



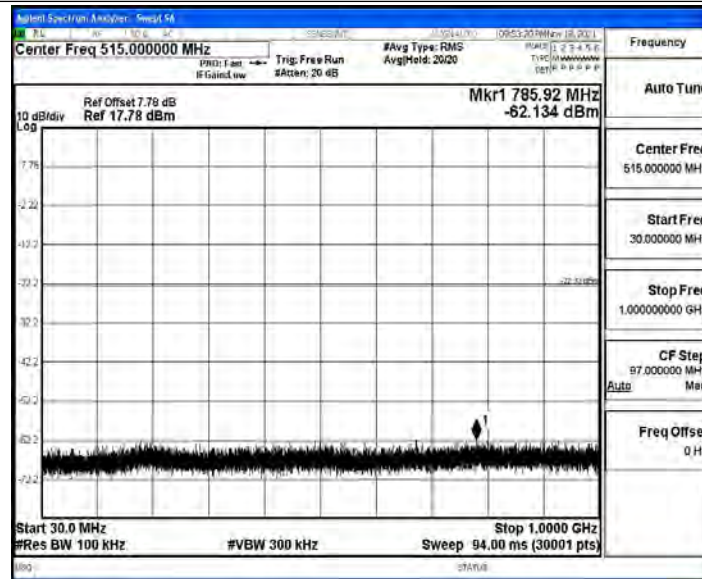
DH5_Ant1_2480_1000~26500



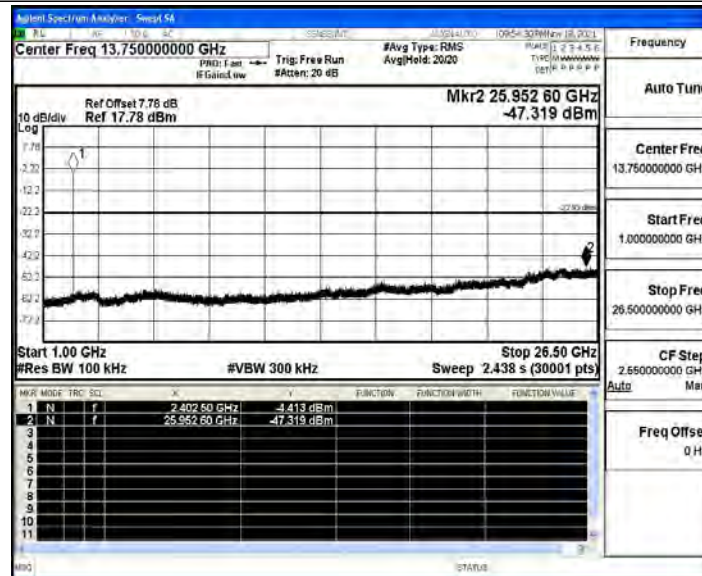
2DH5_Ant1_2402_0~Reference



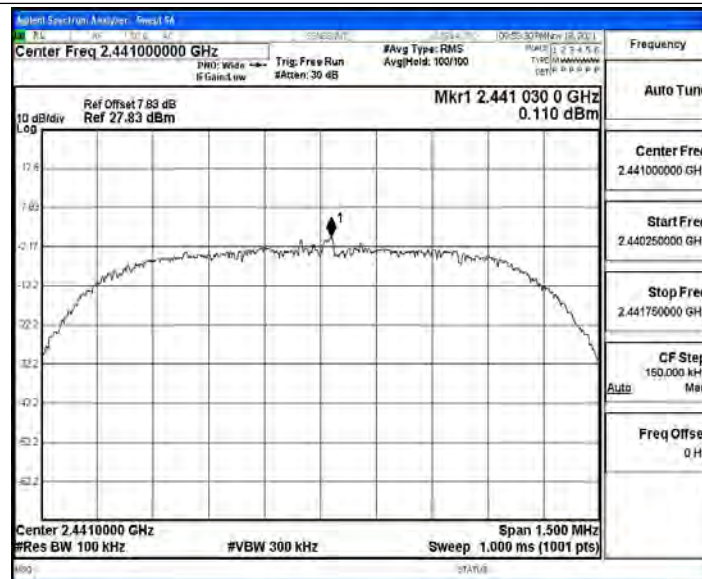
2DH5_Ant1_2402_30~1000



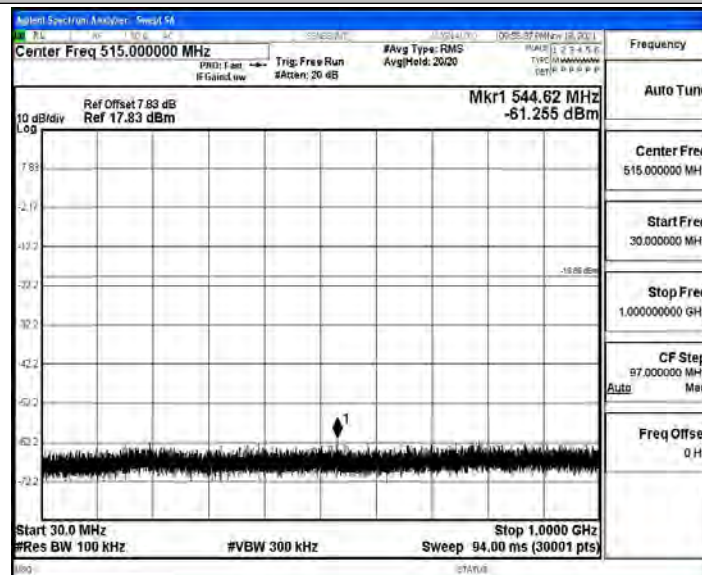
2DH5_Ant1_2402_1000~26500



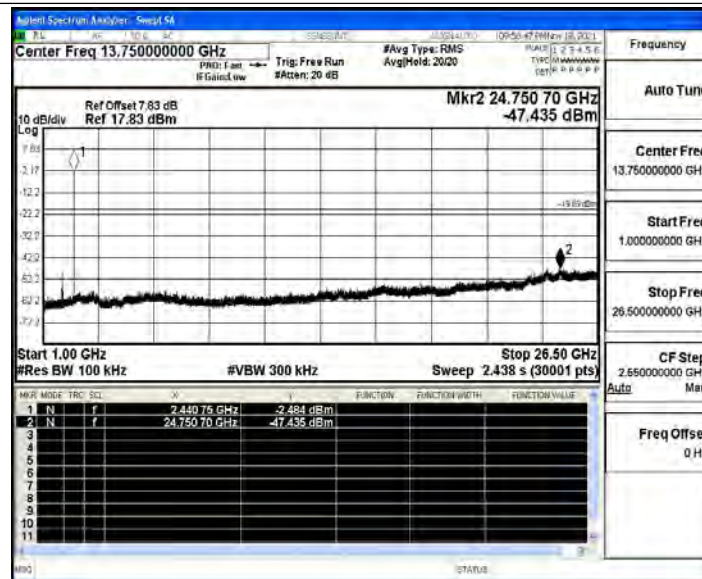
2DH5_Ant1_2441_0~Reference



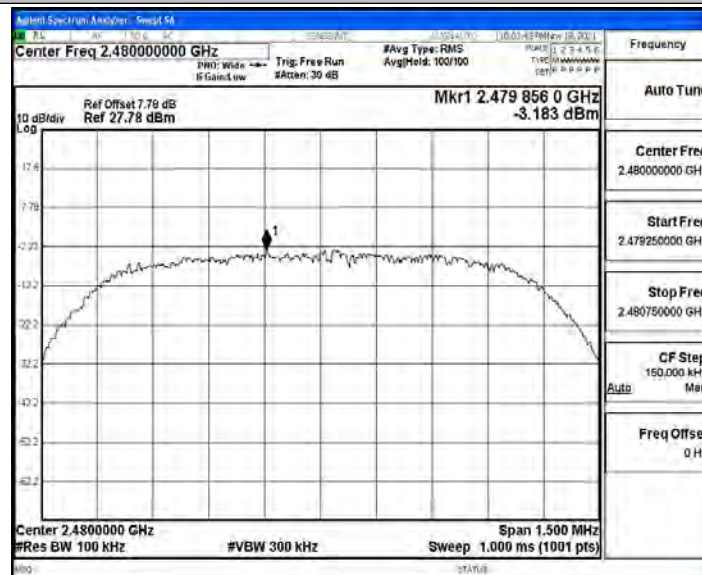
2DH5_Ant1_2441_30~1000



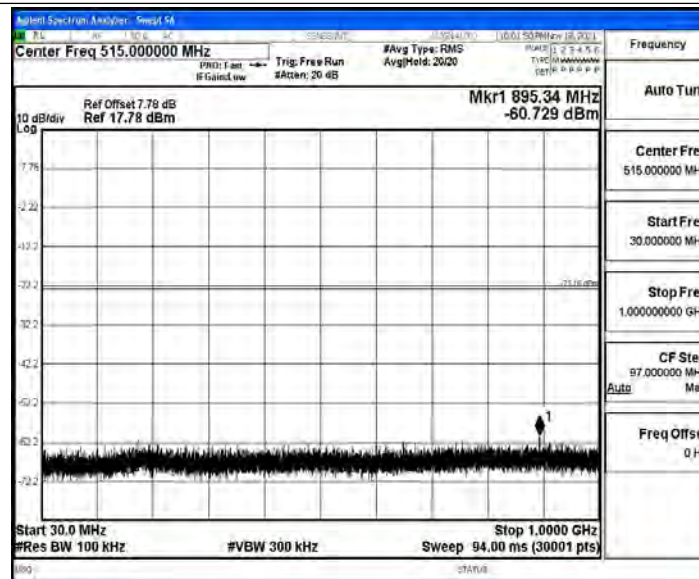
2DH5_Ant1_2441_1000~26500



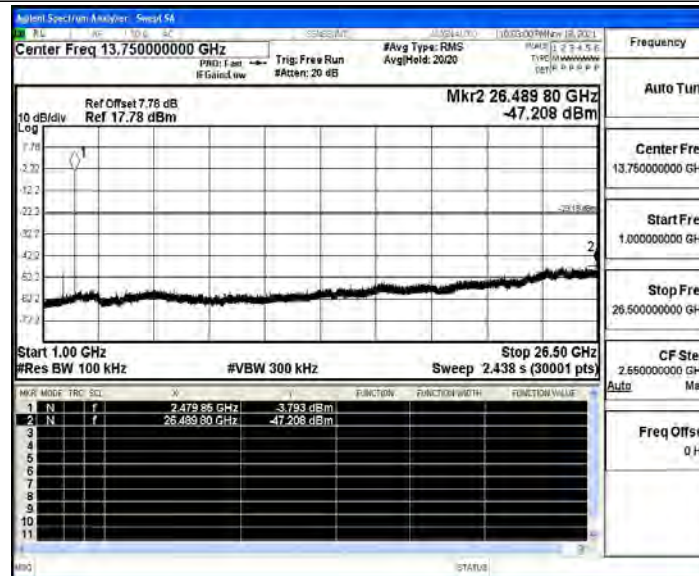
2DH5_Ant1_2480_0~Reference



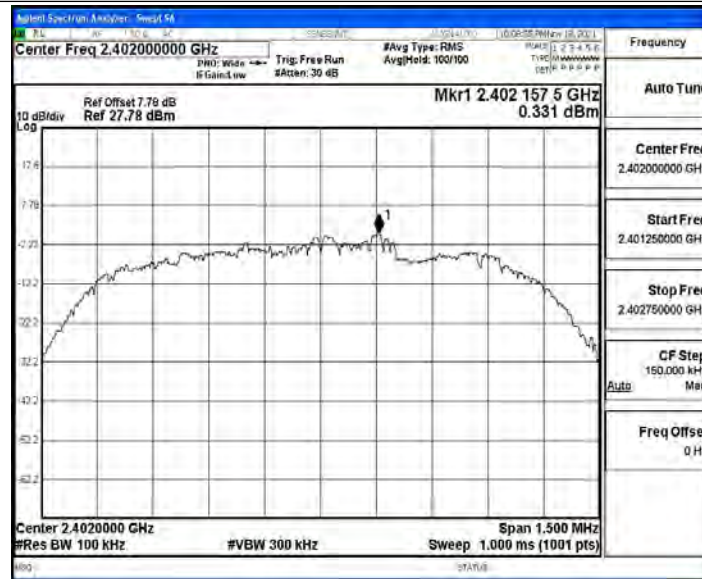
2DH5_Ant1_2480_30~1000



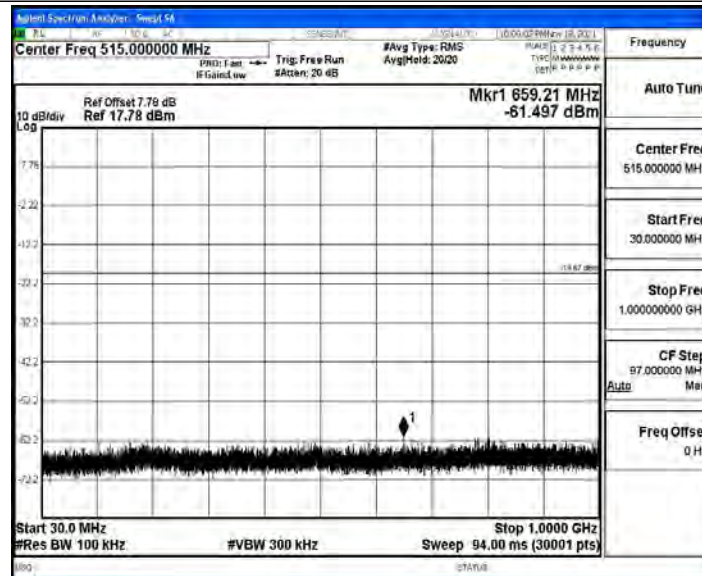
2DH5_Ant1_2480_1000~26500



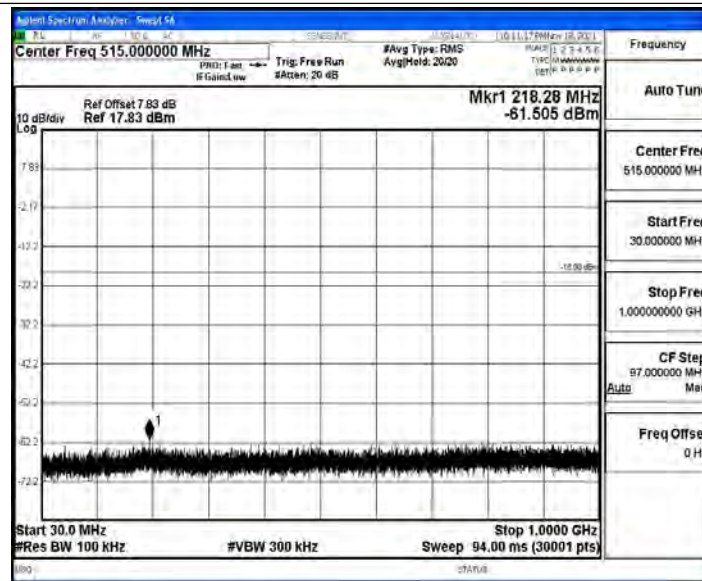
3DH5_Ant1_2402_0~Reference



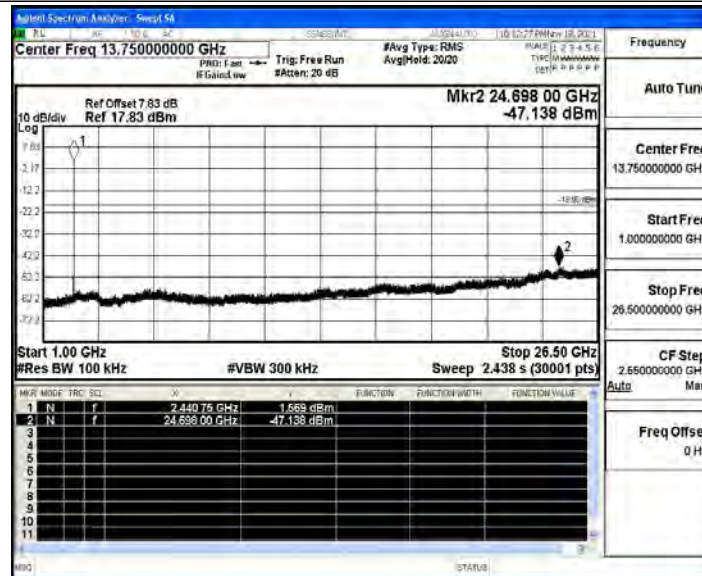
3DH5_Ant1_2402_30~1000



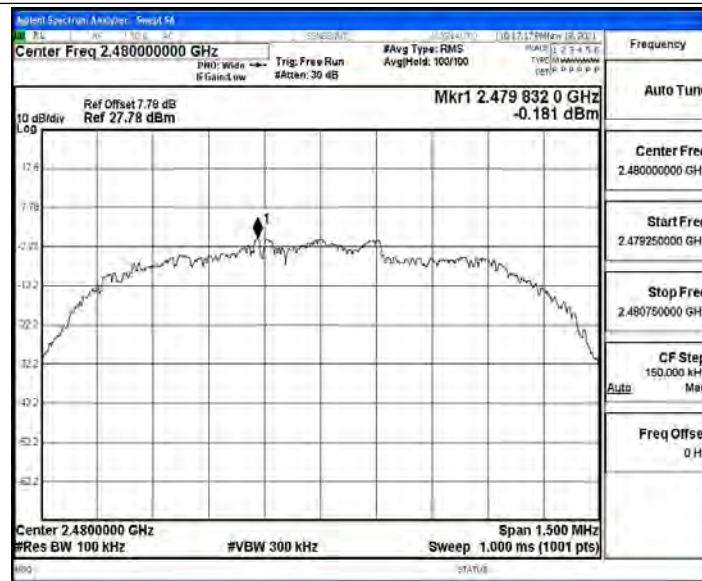
3DH5_Ant1_2402_1000~26500



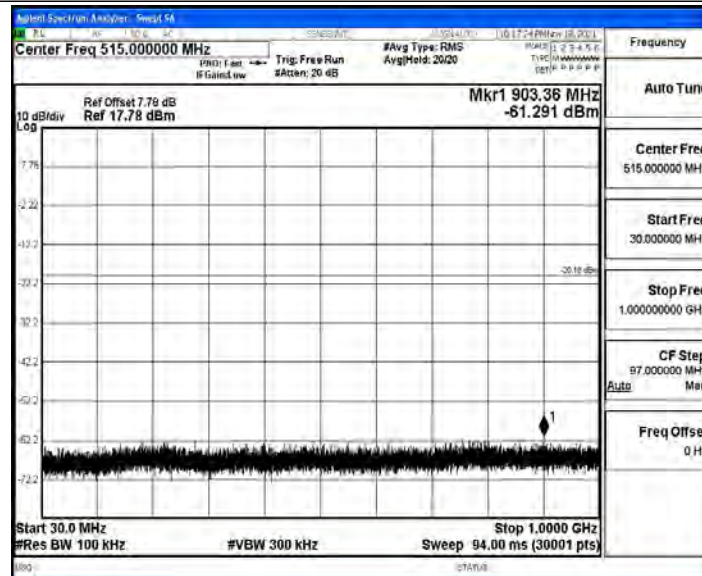
3DH5_Ant1_2441_1000~26500



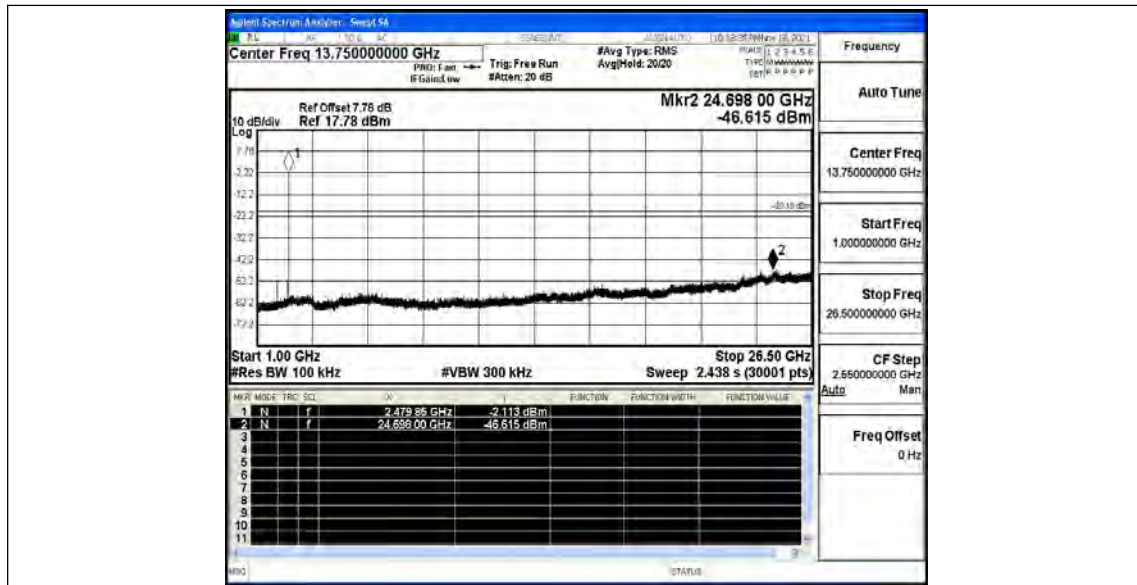
3DH5_Ant1_2480_0~Reference



3DH5_Ant1_2480_30~1000



3DH5_Ant1_2480_1000~26500





A.8 Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
DH5	Ant1	Low	2402	AV	2310.000	-48.91	≤-41.20	46.29	≤54	PASS
				AV	2388.515	-48.36	≤-41.20	46.84	≤54	PASS
				AV	2390.000	-48.5	≤-41.20	46.70	≤54	PASS
				Peak	2310.000	-40.42	≤-21.20	54.78	≤74	PASS
				Peak	2348.300	-37.96	≤-21.20	57.24	≤74	PASS
				Peak	2390.000	-39.07	≤-21.20	56.13	≤74	PASS
		High	2480	AV	2483.500	-47.74	≤-41.20	47.46	≤54	PASS
				AV	2483.520	-47.74	≤-41.20	47.46	≤54	PASS
				AV	2500.000	-47.94	≤-41.20	47.26	≤54	PASS
				Peak	2483.500	-39.58	≤-21.20	55.62	≤74	PASS
				Peak	2488.080	-38.04	≤-21.20	57.16	≤74	PASS
				Peak	2500.000	-40.07	≤-21.20	55.13	≤74	PASS
		Low	Hop_24 02	Peak	2310.000	-40.99	≤-21.20	54.21	≤74	PASS
				Peak	2339.375	-37.01	≤-21.20	58.19	≤74	PASS
				Peak	2390.000	-40.76	≤-21.20	54.44	≤74	PASS
		High	Hop_24 80	Peak	2483.500	-40.1	≤-21.20	55.10	≤74	PASS
				Peak	2486.240	-38.03	≤-21.20	57.17	≤74	PASS
				Peak	2500.000	-39.06	≤-21.20	56.14	≤74	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-48.86	≤-41.20	46.34	≤54	PASS
				AV	2388.935	-48.42	≤-41.20	46.78	≤54	PASS
				AV	2390.000	-48.55	≤-41.20	46.65	≤54	PASS
				Peak	2310.000	-40.48	≤-21.20	54.72	≤74	PASS
				Peak	2311.760	-37.98	≤-21.20	57.22	≤74	PASS
				Peak	2390.000	-41.22	≤-21.20	53.98	≤74	PASS
		High	2480	AV	2483.500	-47.77	≤-41.20	47.43	≤54	PASS
				AV	2483.520	-47.77	≤-41.20	47.43	≤54	PASS
				AV	2500.000	-47.93	≤-41.20	47.27	≤54	PASS
				Peak	2483.500	-39.34	≤-21.20	55.86	≤74	PASS
				Peak	2488.080	-37.9	≤-21.20	57.30	≤74	PASS
				Peak	2500.000	-39.54	≤-21.20	55.66	≤74	PASS
		Low	Hop_24 02	Peak	2310.000	-40.72	≤-21.20	54.48	≤74	PASS
				Peak	2312.285	-38.01	≤-21.20	57.19	≤74	PASS
				Peak	2390.000	-40.62	≤-21.20	54.58	≤74	PASS
		High	Hop_24 80	Peak	2483.500	-39.79	≤-21.20	55.41	≤74	PASS
				Peak	2486.720	-37.72	≤-21.20	57.48	≤74	PASS
				Peak	2500.000	-40.28	≤-21.20	54.92	≤74	PASS



3DH5	Ant1	Low	2402	AV	2310.000	-48.99	≤-41.20	46.21	≤54	PASS
				AV	2384.945	-48.42	≤-41.20	46.78	≤54	PASS
				AV	2390.000	-48.6	≤-41.20	46.60	≤54	PASS
				Peak	2310.000	-40.69	≤-21.20	54.51	≤74	PASS
				Peak	2347.985	-37.8	≤-21.20	57.40	≤74	PASS
				Peak	2390.000	-39.82	≤-21.20	55.38	≤74	PASS
		High	2480	AV	2483.500	-47.68	≤-41.20	47.52	≤54	PASS
				AV	2483.520	-47.68	≤-41.20	47.52	≤54	PASS
				AV	2500.000	-47.88	≤-41.20	47.32	≤54	PASS
				Peak	2483.500	-39.74	≤-21.20	55.46	≤74	PASS
				Peak	2498.000	-37.88	≤-21.20	57.32	≤74	PASS
				Peak	2500.000	-40.38	≤-21.20	54.82	≤74	PASS
		Low	Hop_2402	Peak	2310.000	-40.06	≤-21.20	55.14	≤74	PASS
				Peak	2388.725	-38.18	≤-21.20	57.02	≤74	PASS
				Peak	2390.000	-40.85	≤-21.20	54.35	≤74	PASS
		High	Hop_2480	Peak	2483.500	-40.45	≤-21.20	54.75	≤74	PASS
				Peak	2494.000	-37.64	≤-21.20	57.56	≤74	PASS
				Peak	2500.000	-39.79	≤-21.20	55.41	≤74	PASS

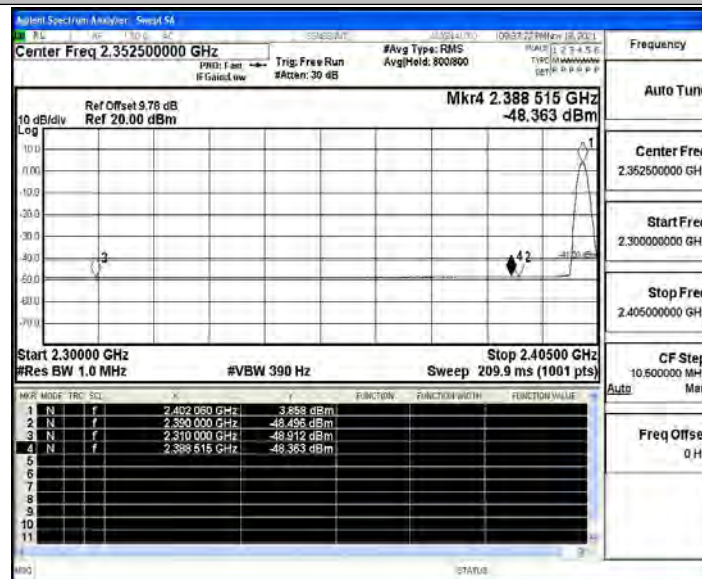
Note:

1. The Antenna Gain is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

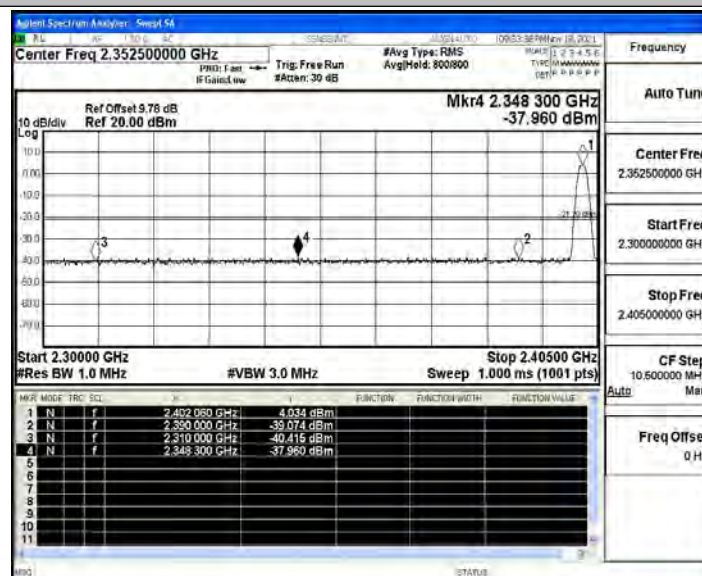


Test Graphs

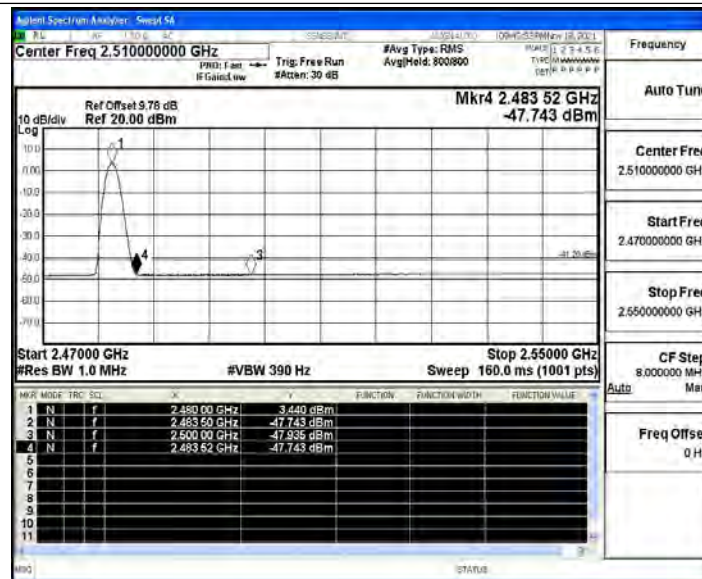
DH5_Ant1_Low_2402_AV



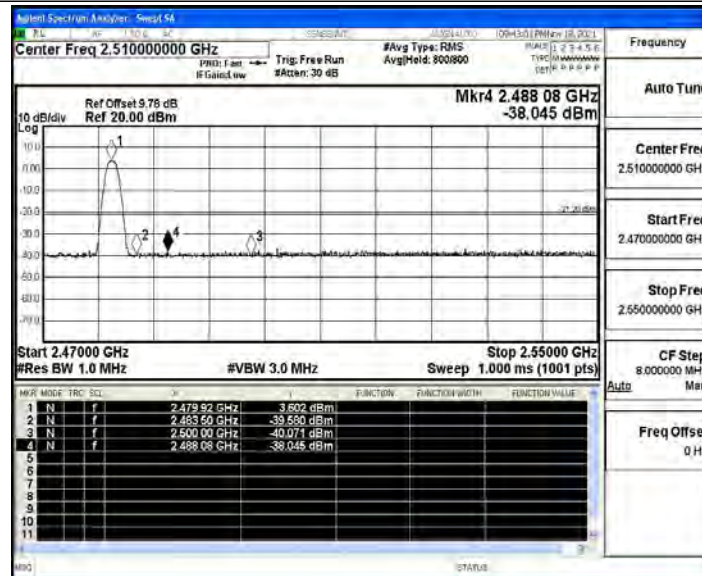
DH5_Ant1_Low_2402_Peak



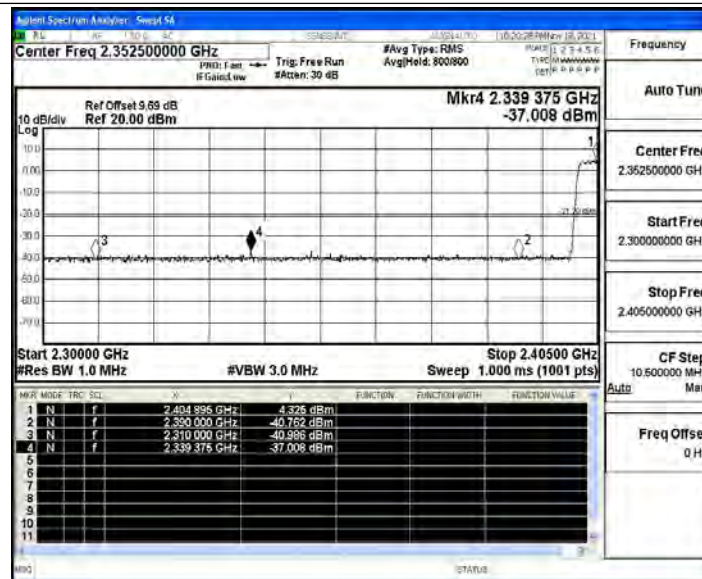
DH5_Ant1_High_2480_AV



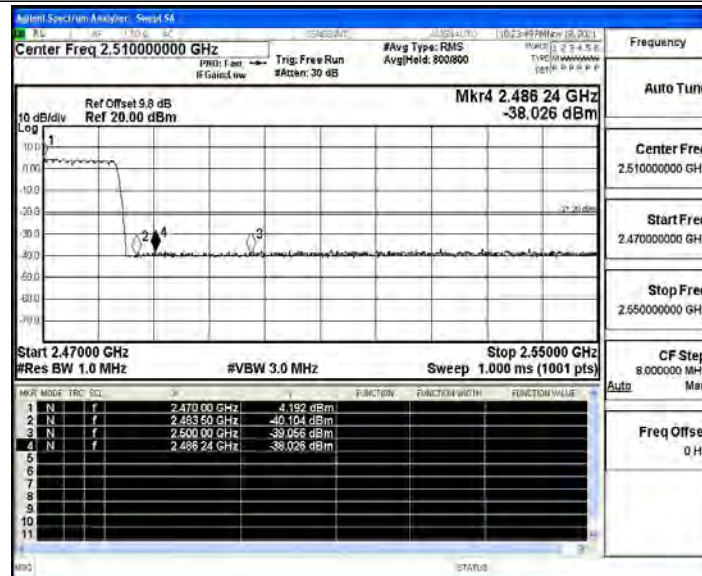
DH5_Ant1_High_2480_Peak



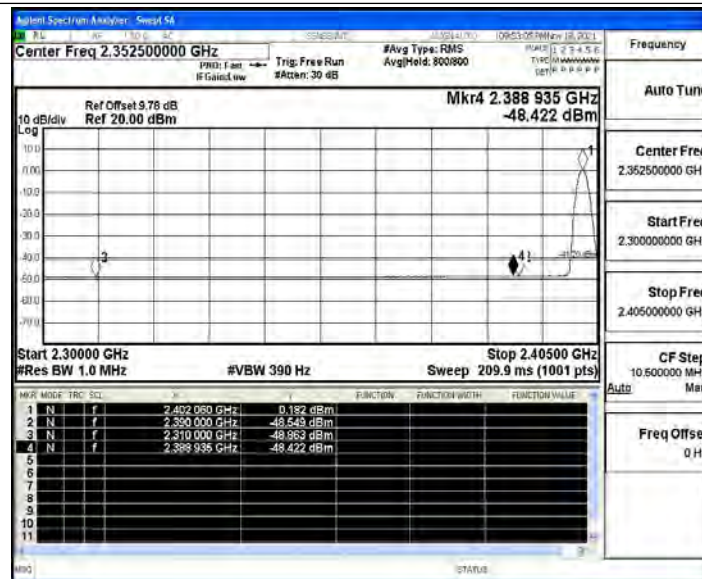
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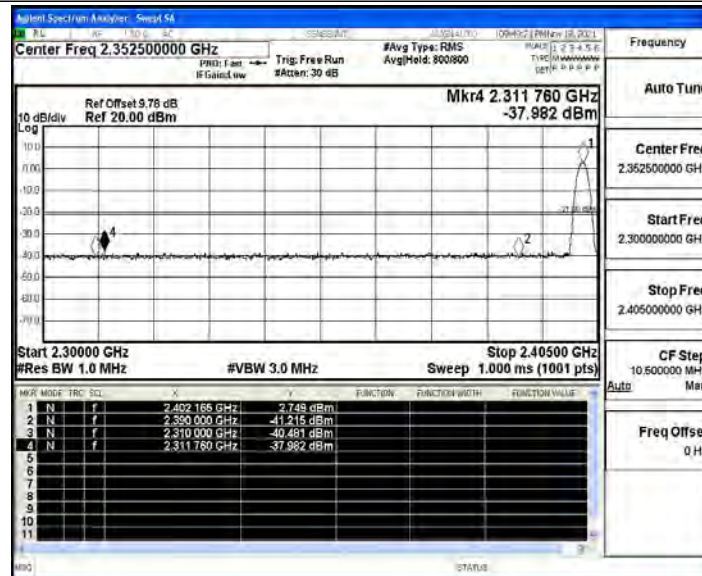
DH5_Ant1_High_Hop_2480_Peak



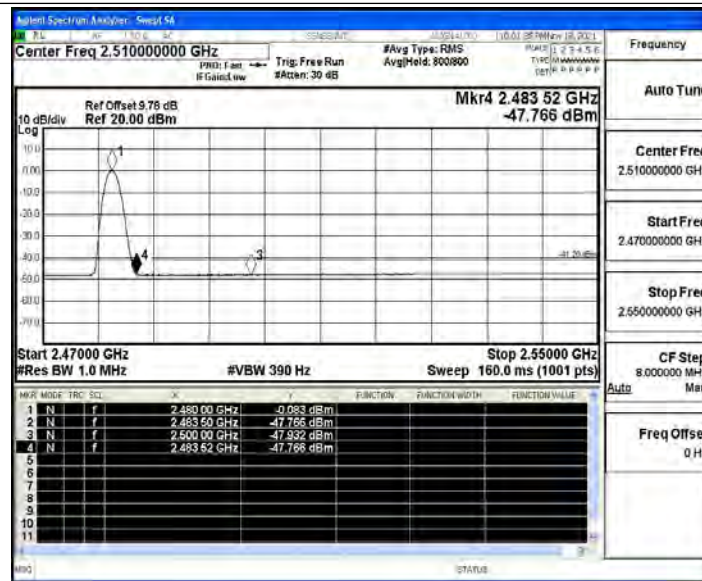
2DH5_Ant1_Low_2402_AV



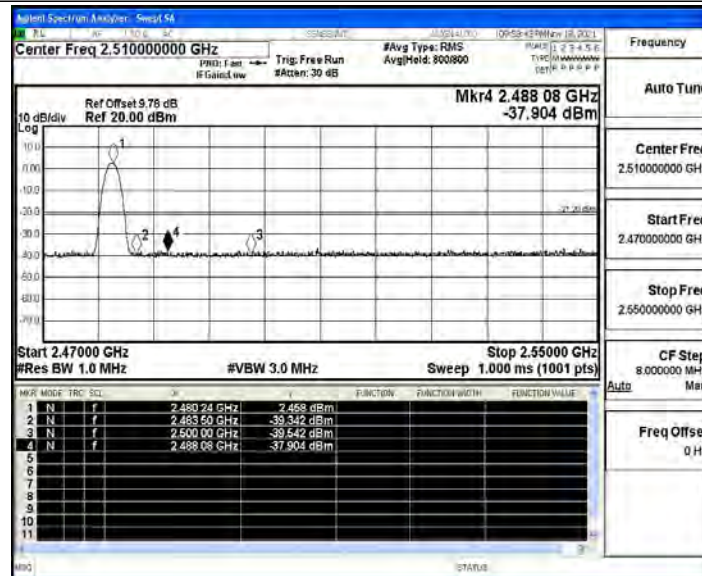
2DH5_Ant1_Low_2402_Peak



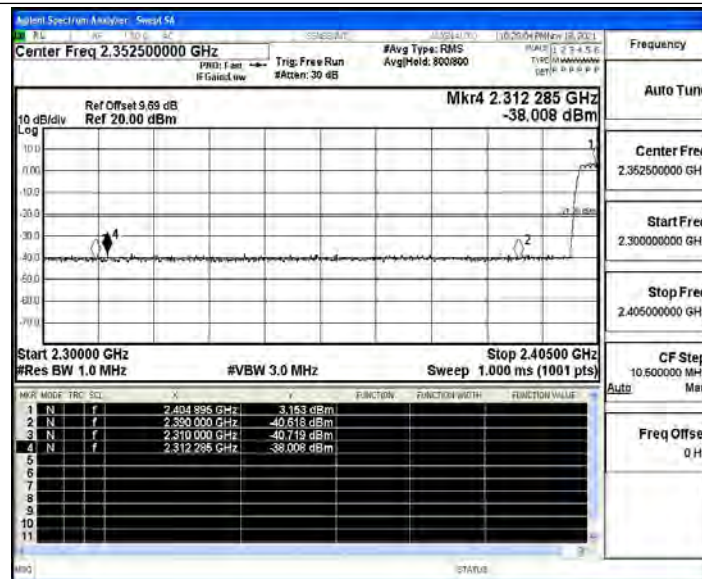
2DH5_Ant1_High_2480_AV



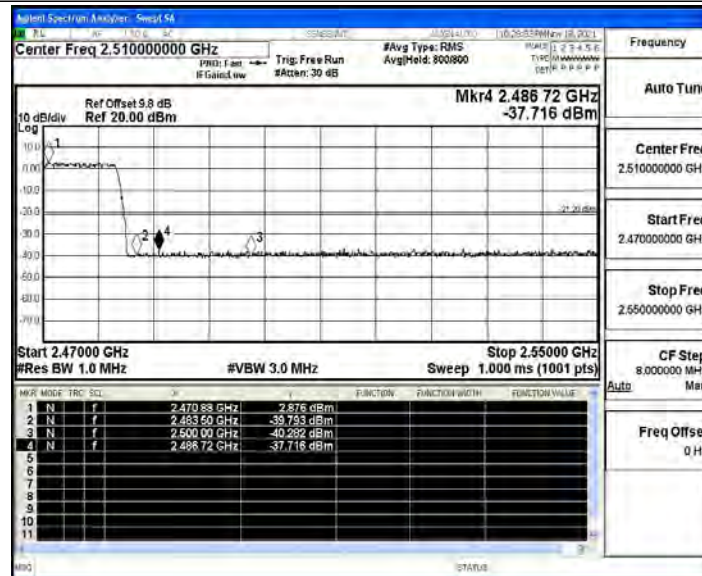
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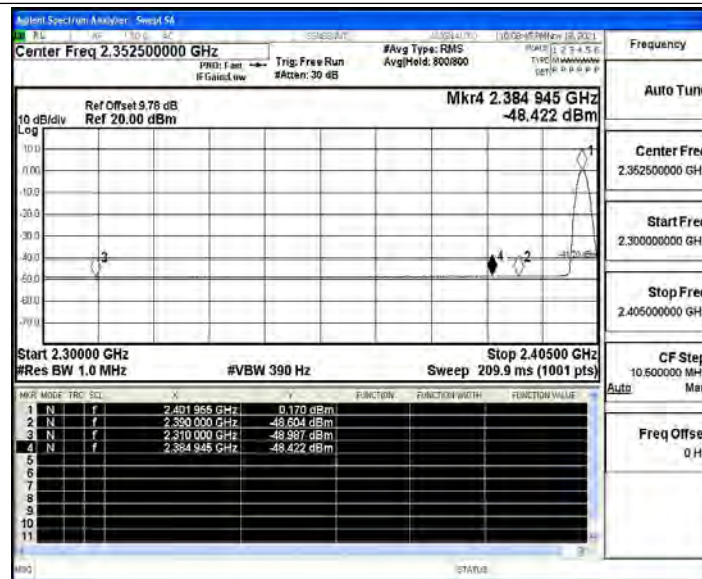
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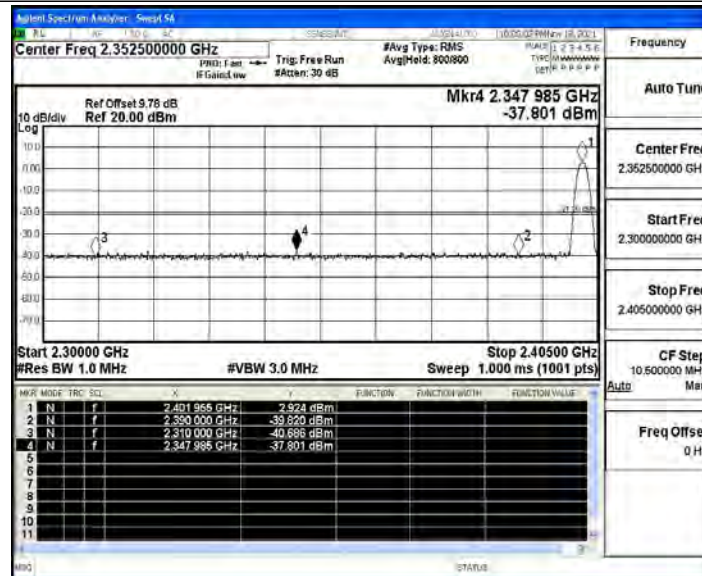
2DH5_Ant1_High_Hop_2480_Peak



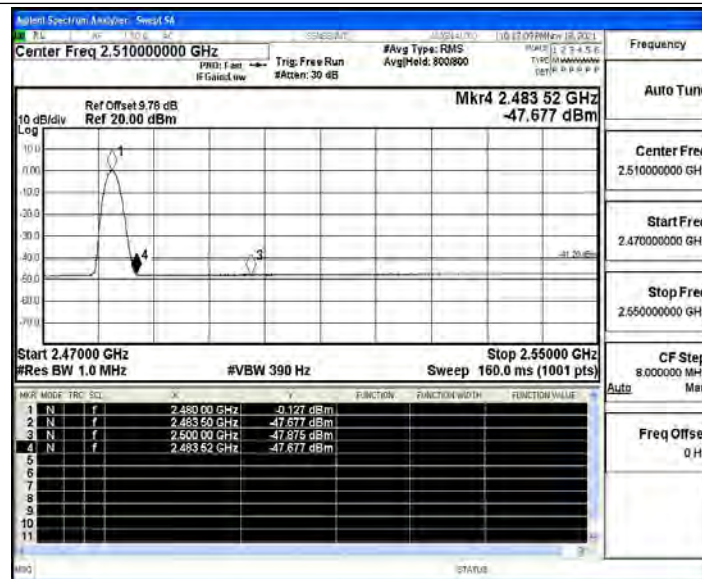
3DH5_Ant1_Low_2402_AV



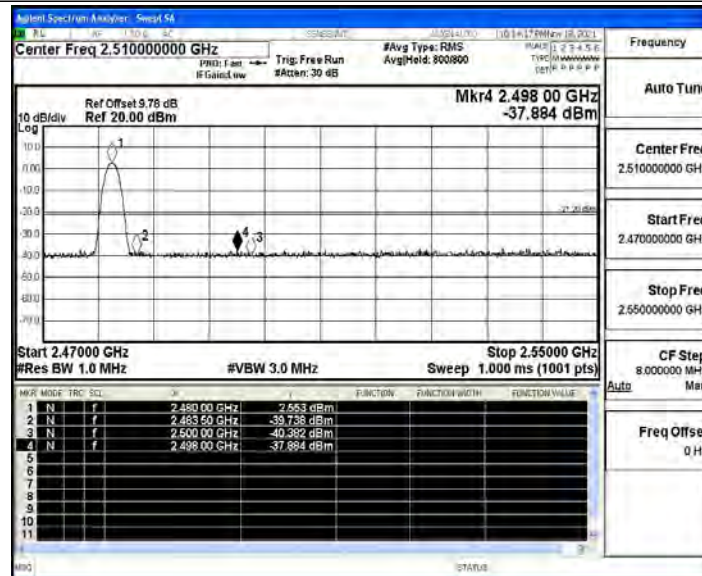
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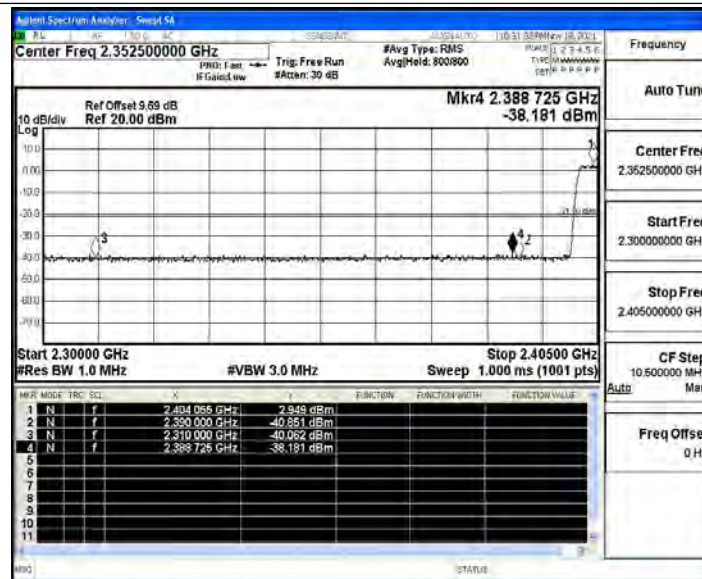
3DH5_Ant1_High_2480_AV



3DH5_Ant1_High_2480_Peak



3DH5_Ant1_Low_Hop_2402_Peak



3DH5_Ant1_High_Hop_2480_Peak

