



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: t-Six True Wireless

Test Model: T6TW01

Environmental Conditions

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



A.1 20dB Emission Bandwidth

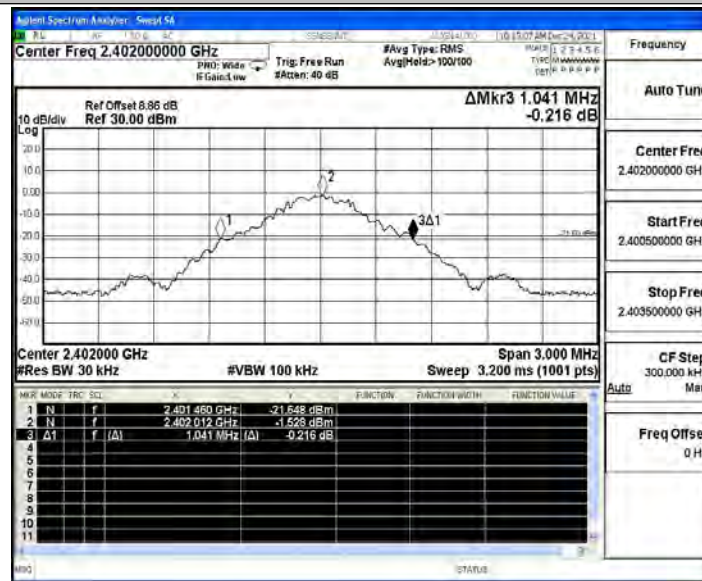
Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.041	2401.460	2402.501	---	---
		2441	0.972	2440.523	2441.495	---	---
		2480	1.029	2479.469	2480.498	---	---
2DH5	Ant1	2402	1.320	2401.337	2402.657	---	---
		2441	1.287	2440.361	2441.648	---	---
		2480	1.326	2479.331	2480.657	---	---
3DH5	Ant1	2402	1.314	2401.343	2402.657	---	---
		2441	1.293	2440.349	2441.642	---	---
		2480	1.302	2479.346	2480.648	---	---

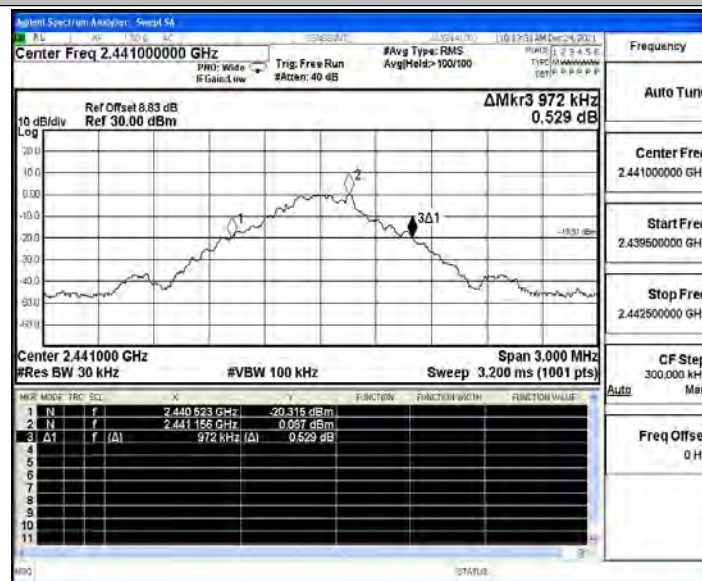


Test Graphs

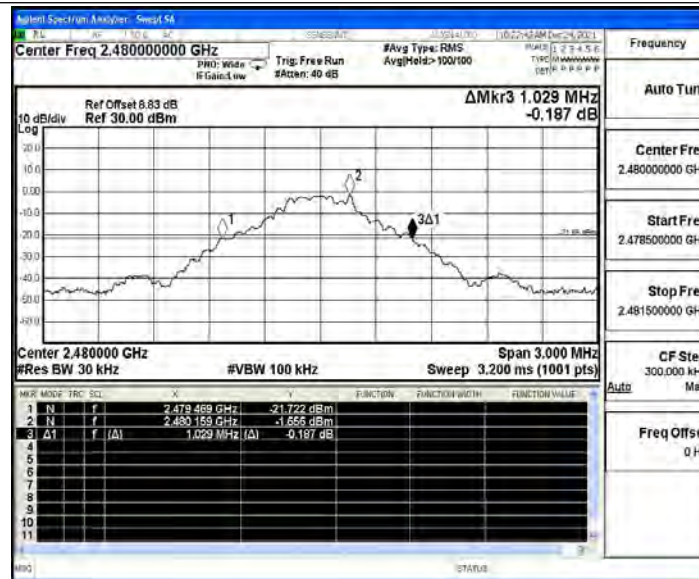
DH5_Ant1_2402



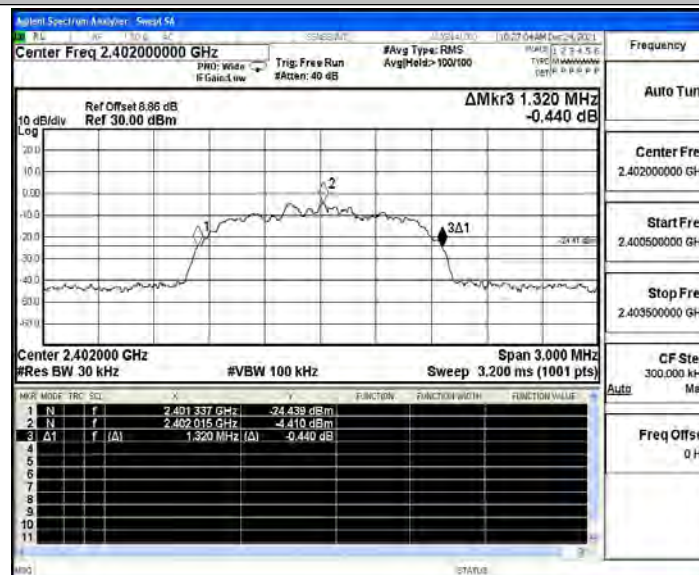
DH5_Ant1_2441



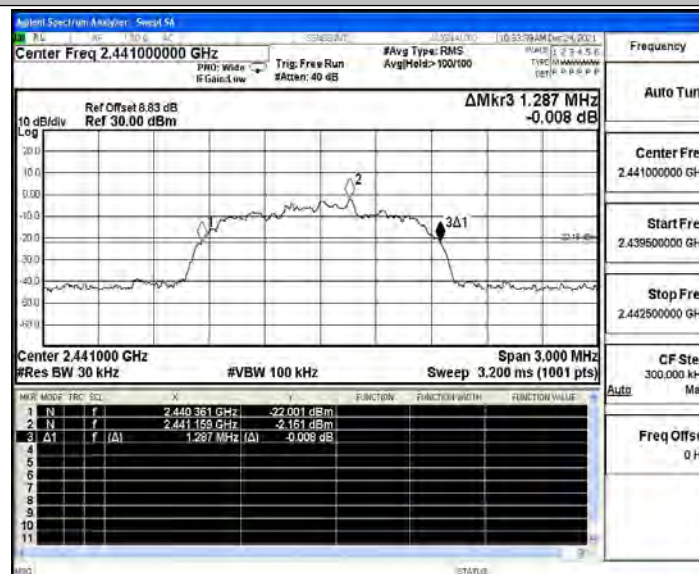
DH5_Ant1_2480



2DH5_Ant1_2402

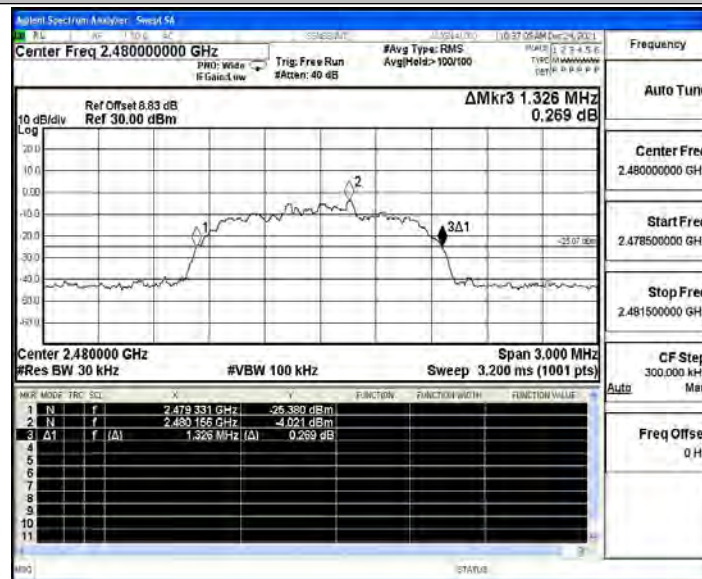


2DH5_Ant1_2441

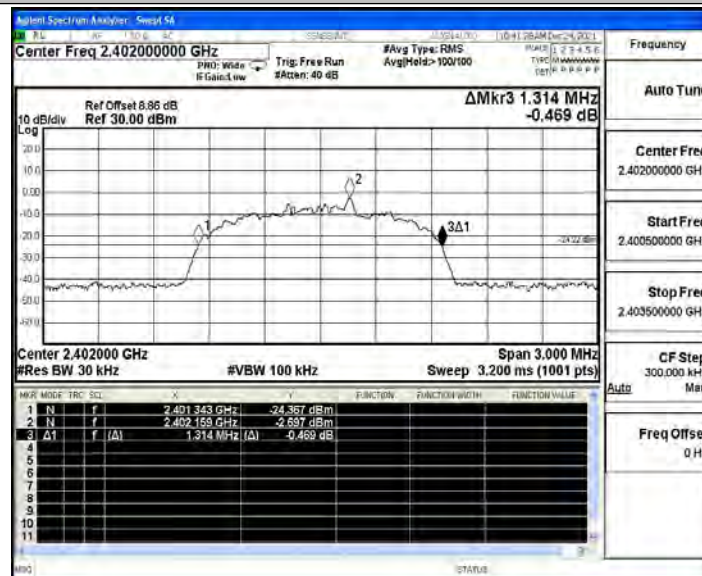




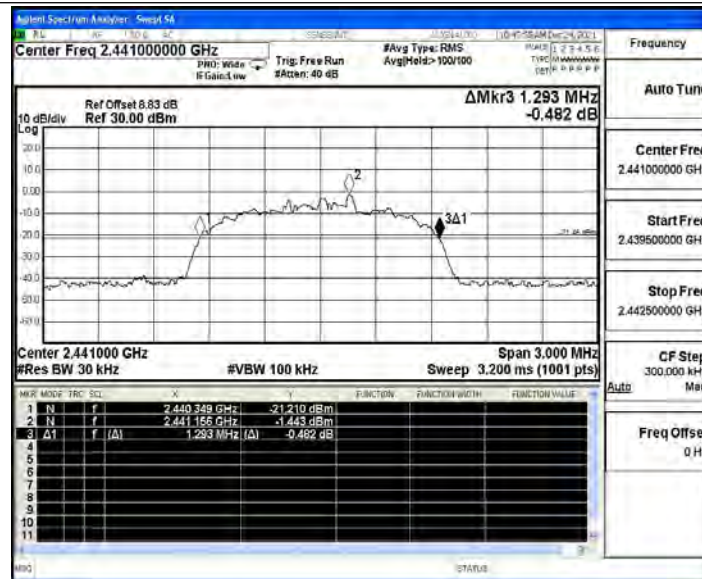
2DH5_Ant1_2480



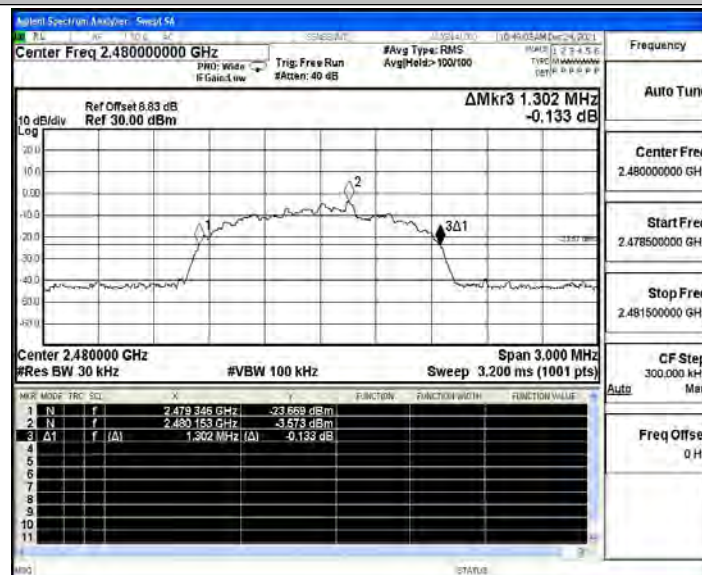
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480





A.2 Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.90339	2401.550	2402.454	---	---
		2441	0.90386	2440.552	2441.456	---	---
		2480	0.90177	2479.548	2480.450	---	---
2DH5	Ant1	2402	1.1817	2401.406	2402.588	---	---
		2441	1.1806	2440.405	2441.585	---	---
		2480	1.1847	2479.404	2480.589	---	---
3DH5	Ant1	2402	1.2064	2401.390	2402.596	---	---
		2441	1.1993	2440.392	2441.591	---	---
		2480	1.2025	2479.392	2480.595	---	---

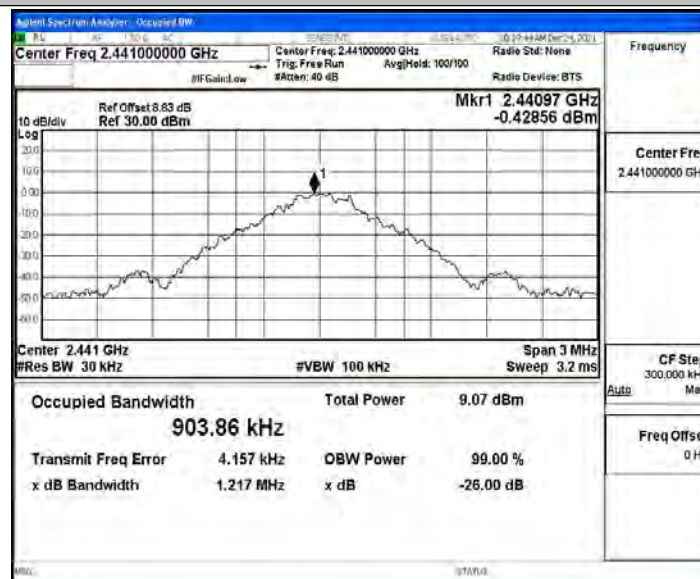


Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480



2DH5_Ant1_2402

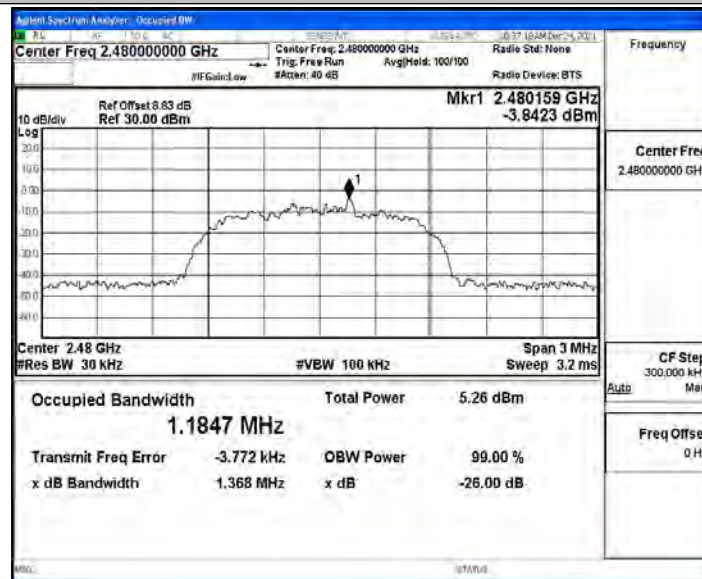


2DH5_Ant1_2441

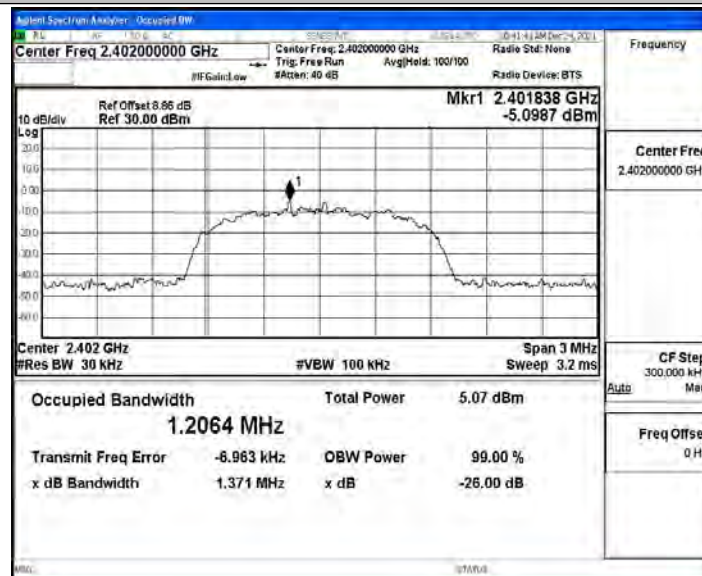




2DH5_Ant1_2480



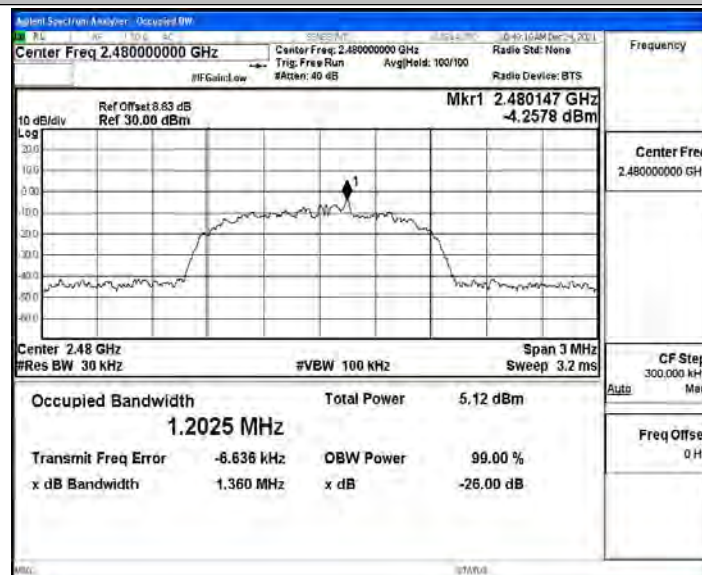
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480





A.3 Maximum conducted output power

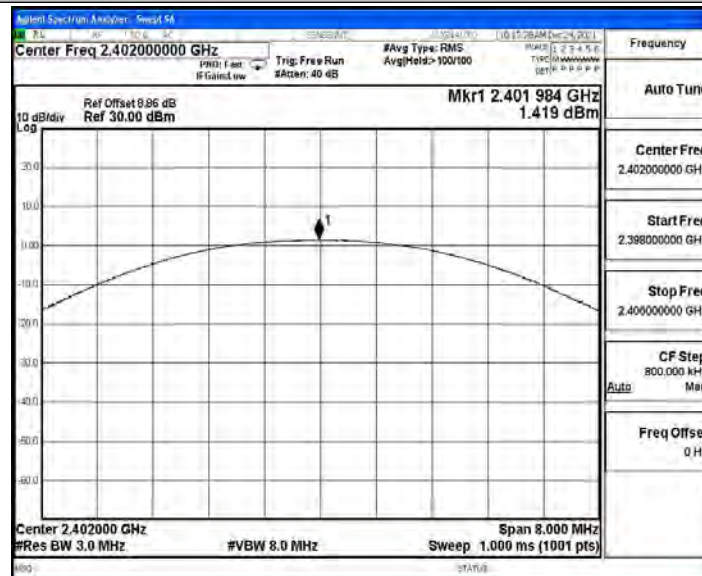
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	1.42	≤20.97	PASS
		2441	2.65	≤20.97	PASS
		2480	0.97	≤20.97	PASS
2DH5	Ant1	2402	0.53	≤20.97	PASS
		2441	1.72	≤20.97	PASS
		2480	0.13	≤20.97	PASS
3DH5	Ant1	2402	0.67	≤20.97	PASS
		2441	2.03	≤20.97	PASS
		2480	0.32	≤20.97	PASS

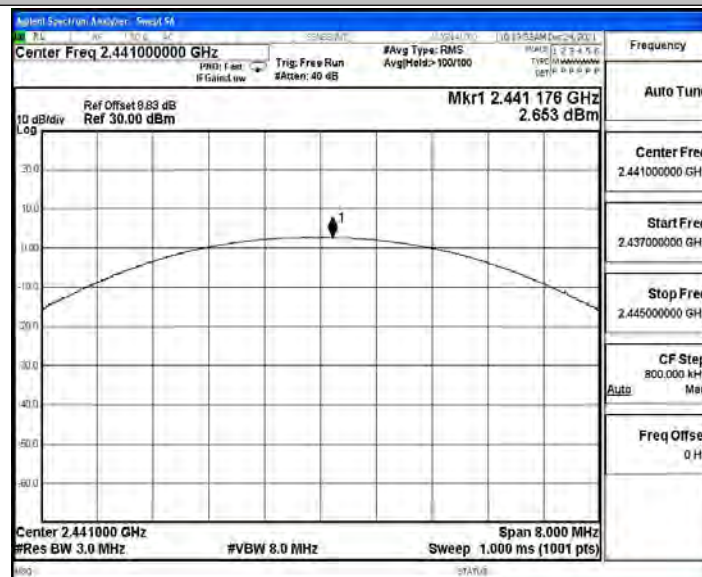


Test Graphs

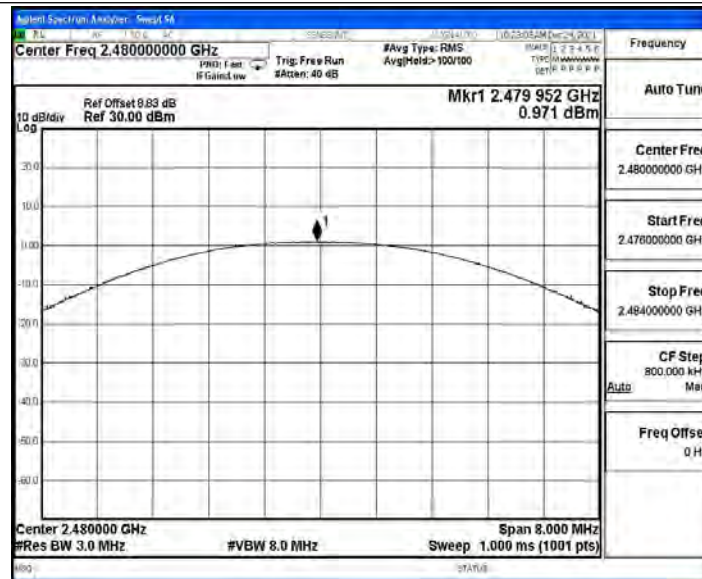
DH5_Ant1_2402



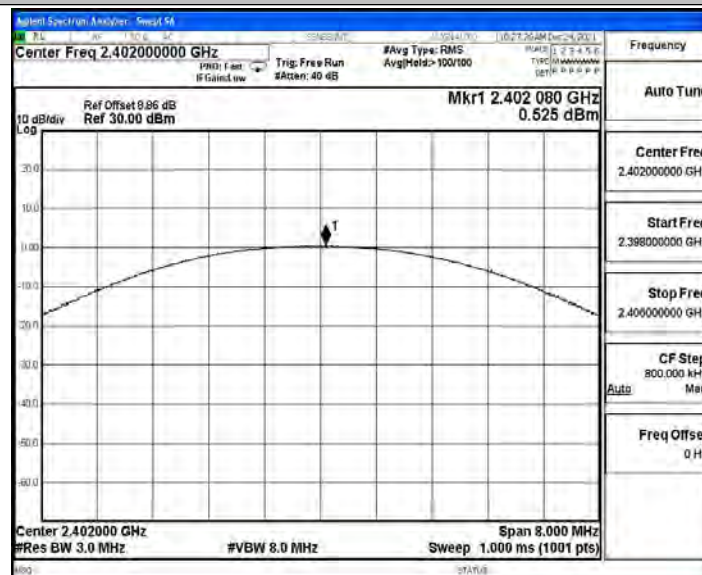
DH5_Ant1_2441



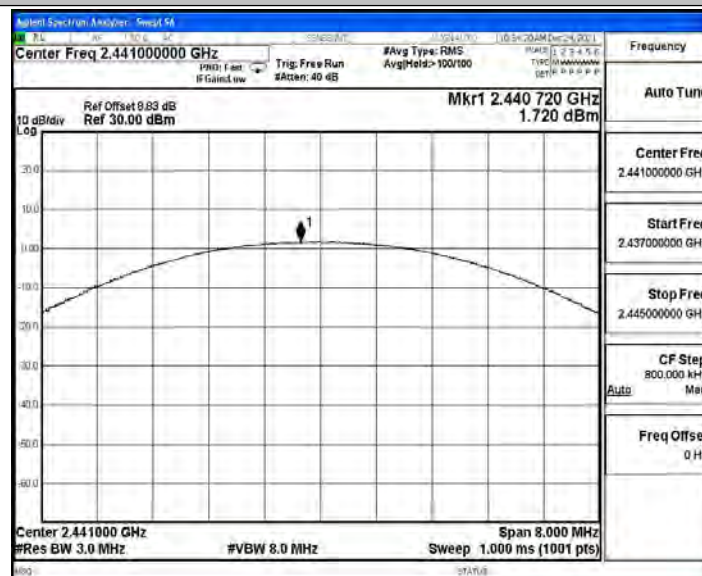
DH5_Ant1_2480



2D5_Ant1_2402

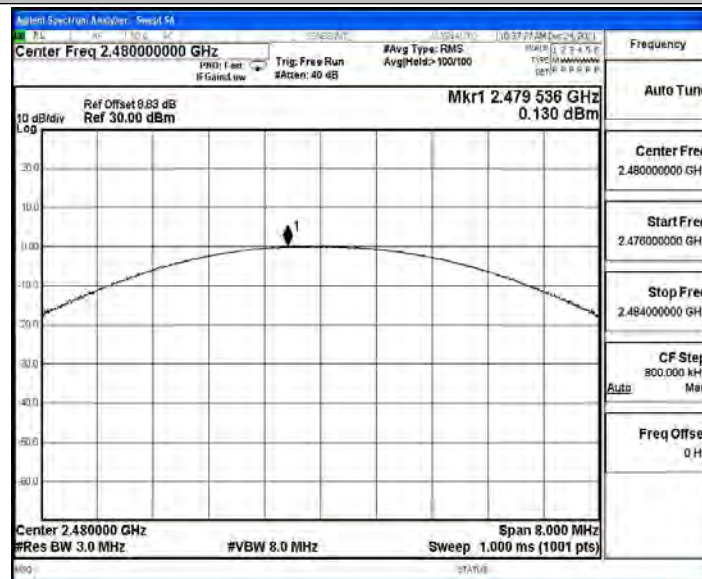


2D5_Ant1_2441

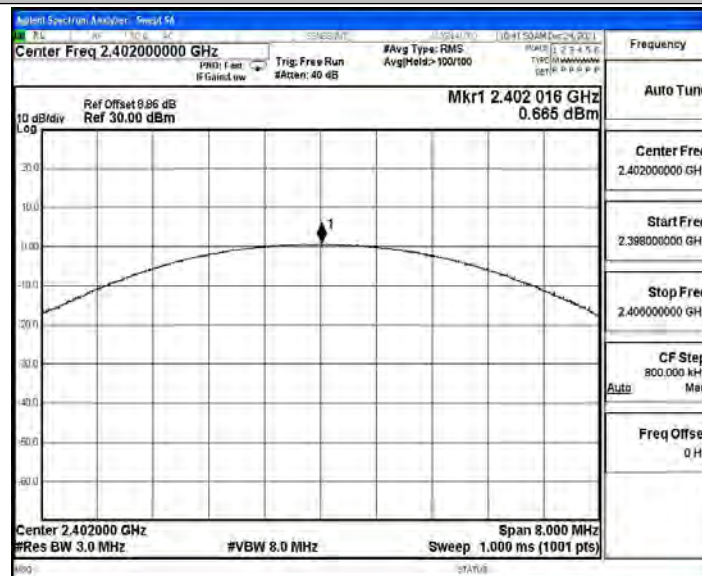




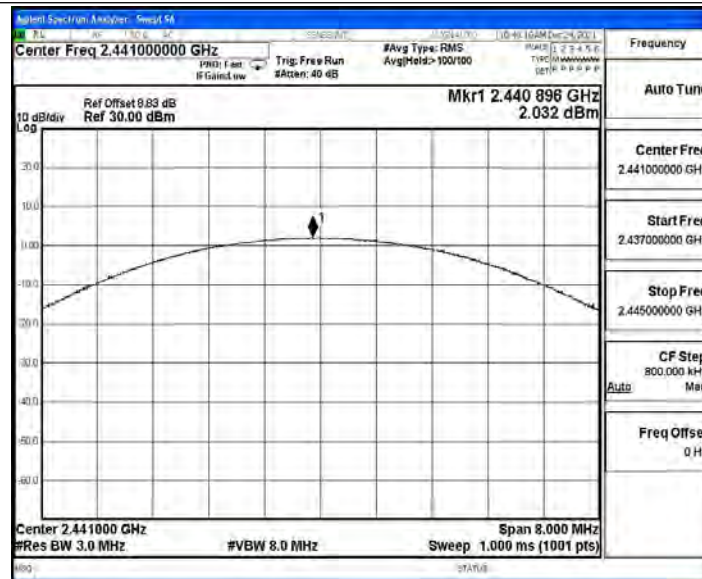
2DH5_Ant1_2480



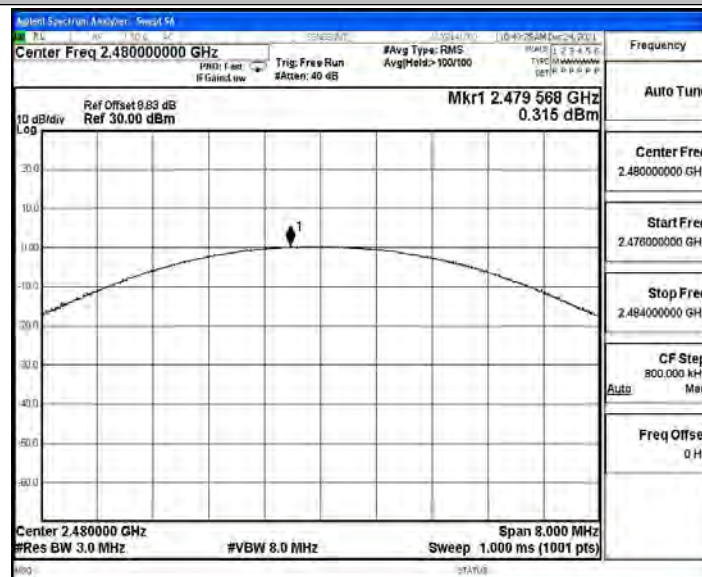
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480





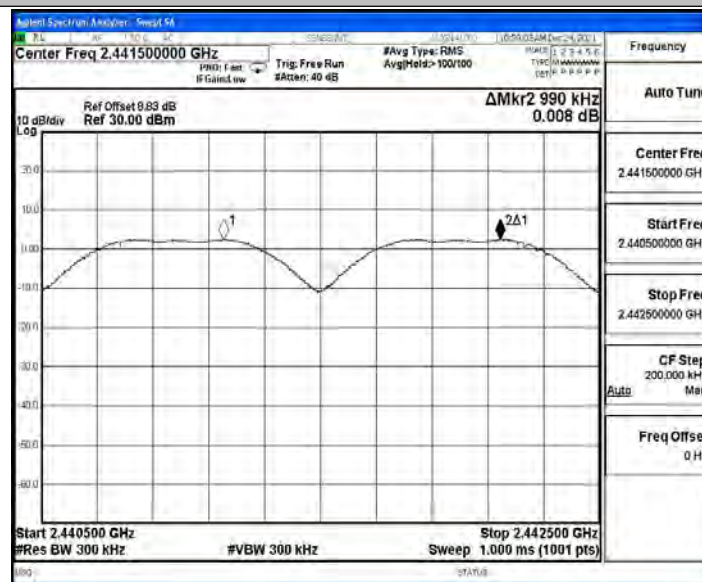
A.4 Carrier frequency separation

Test Result

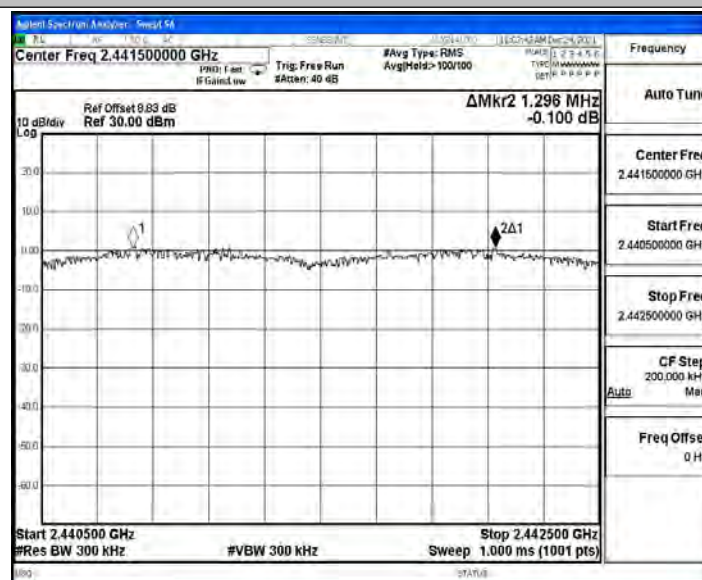
TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.99	≥ 0.694	PASS
2DH5	Ant1	Hop	1.296	≥ 0.884	PASS
3DH5	Ant1	Hop	1.006	≥ 0.876	PASS

Test Graphs

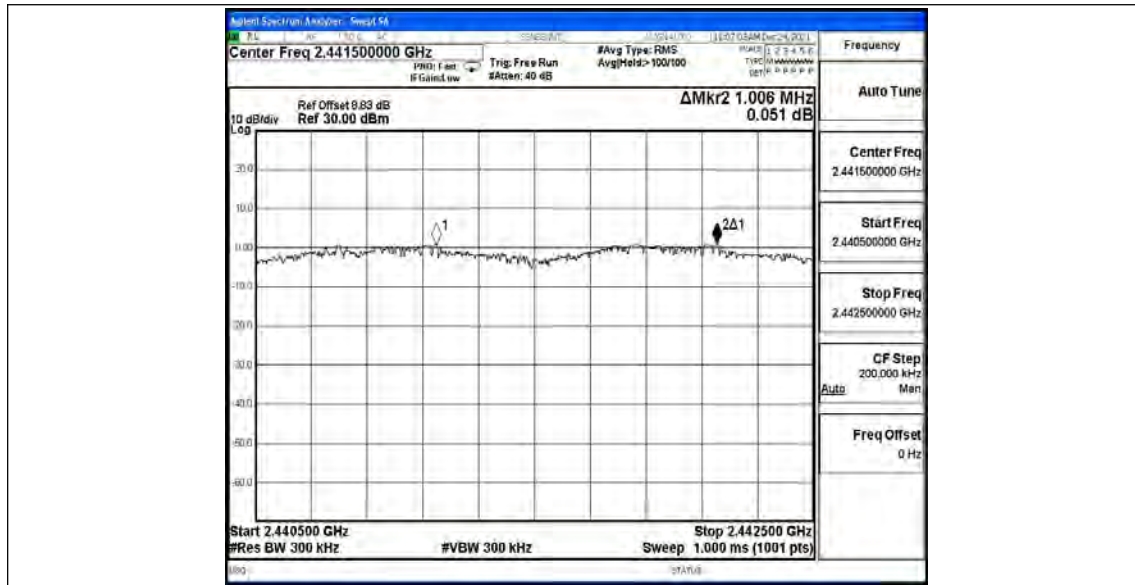
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





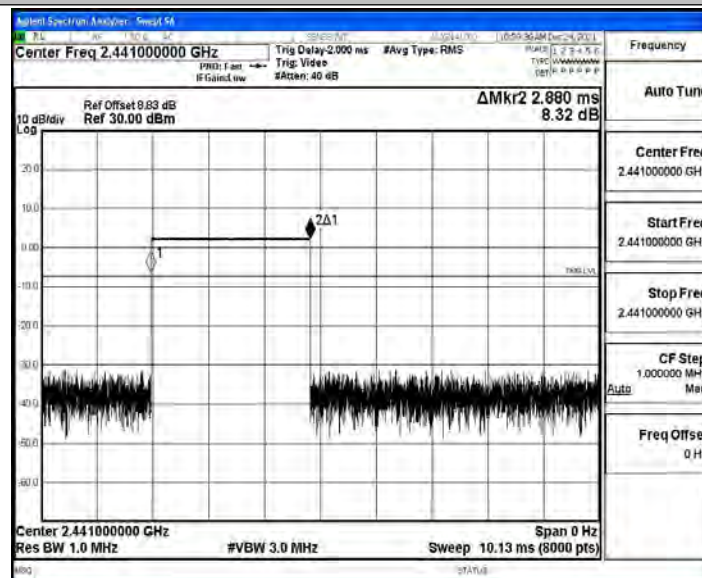
A.5 Time of occupancy

Test Result

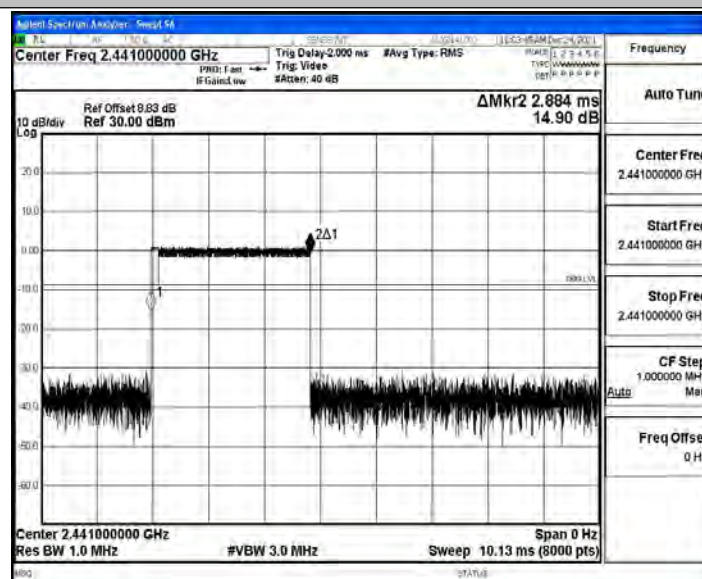
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.88	106.67	0.307	≤0.4	PASS
2DH5	Ant1	Hop	2.88	106.67	0.308	≤0.4	PASS
3DH5	Ant1	Hop	2.89	106.67	0.308	≤0.4	PASS

Test Graphs

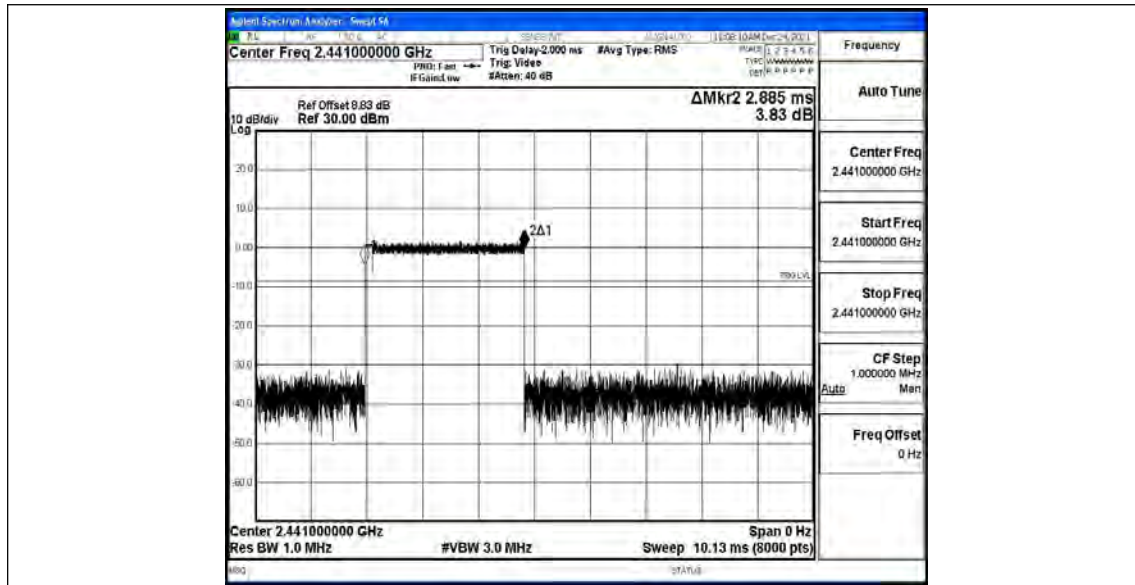
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





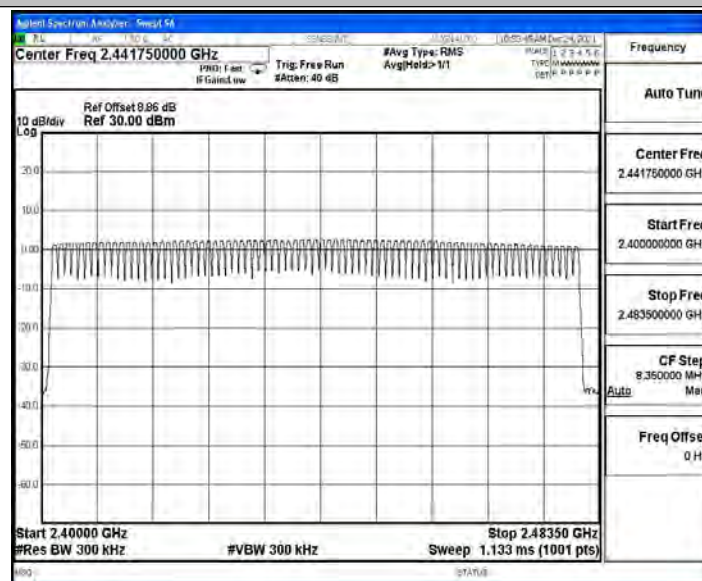
A.6 Number of hopping channels

Test Result

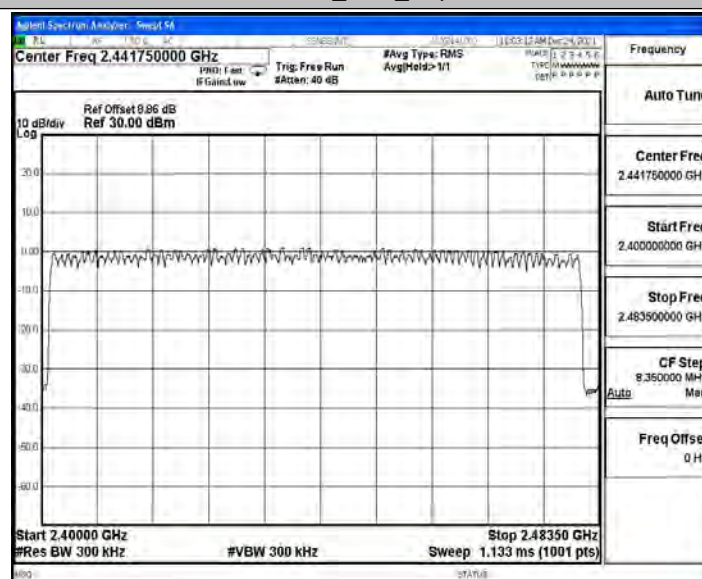
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs

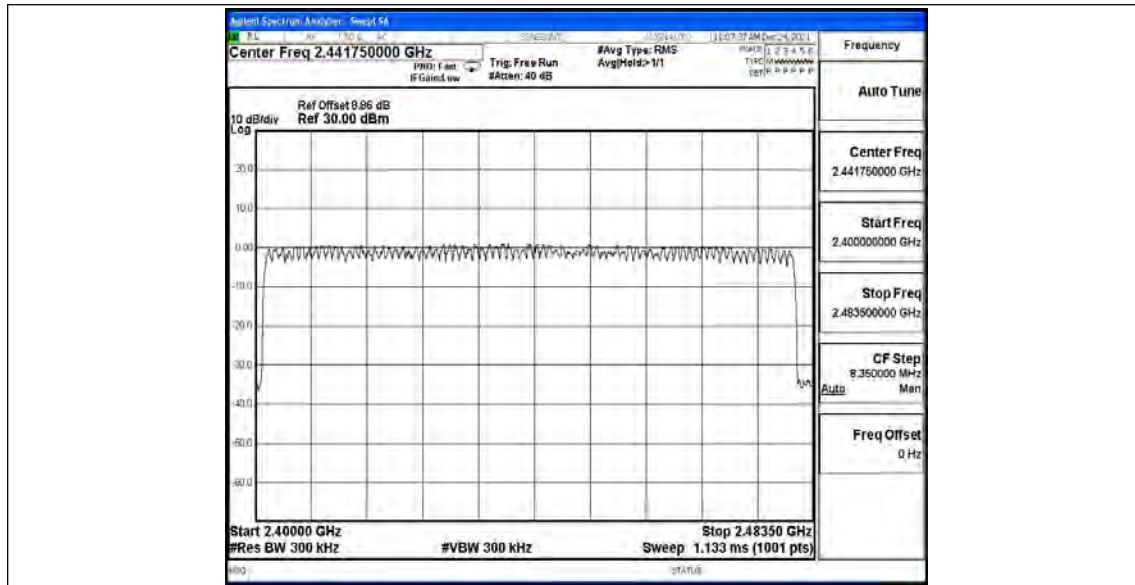
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





A.7 Band edge measurements

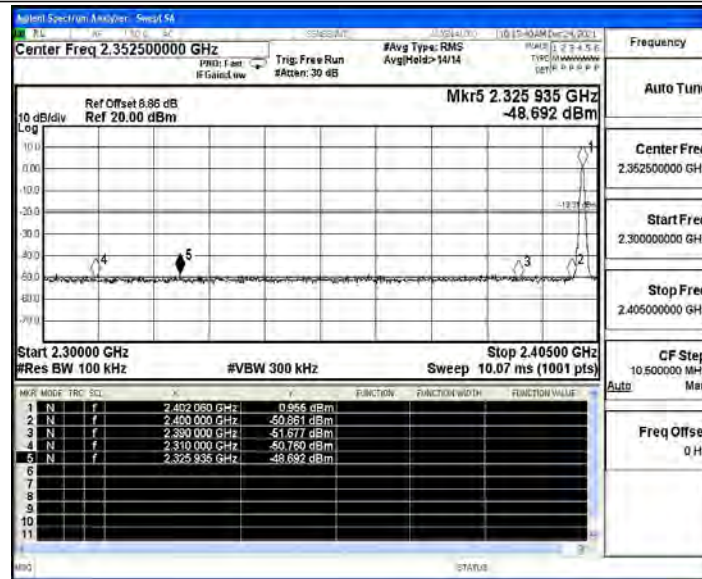
Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.69	-48.69	≤ -19.31	PASS
		High	2480	0.40	-47.58	≤ -19.6	PASS
		Low	Hop_2402	0.53	-49.02	≤ -19.47	PASS
		High	Hop_2480	0.82	-46.58	≤ -19.18	PASS
2DH5	Ant1	Low	2402	-0.74	-48.7	≤ -20.74	PASS
		High	2480	-1.10	-47.85	≤ -21.1	PASS
		Low	Hop_2402	-1.17	-48.79	≤ -21.17	PASS
		High	Hop_2480	-3.46	-47.85	≤ -23.46	PASS
3DH5	Ant1	Low	2402	-2.65	-48.42	≤ -22.65	PASS
		High	2480	-0.81	-47.86	≤ -20.81	PASS
		Low	Hop_2402	-3.83	-49.02	≤ -23.83	PASS
		High	Hop_2480	-0.72	-47.74	≤ -20.72	PASS

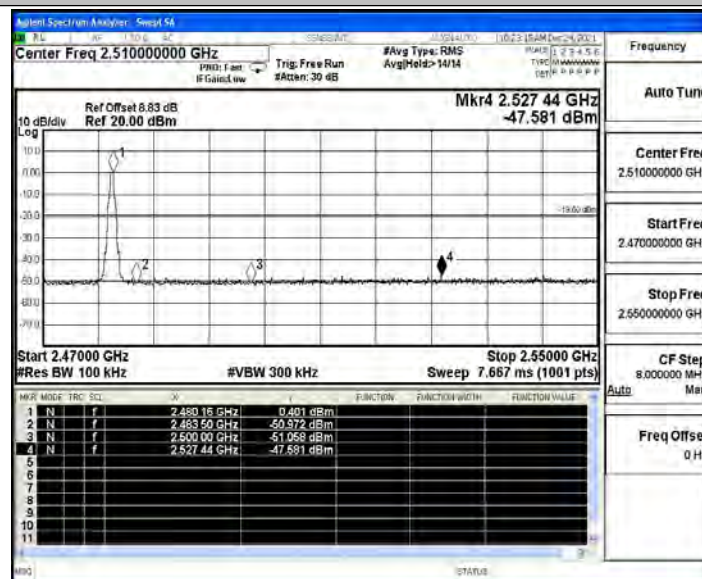


Test Graphs

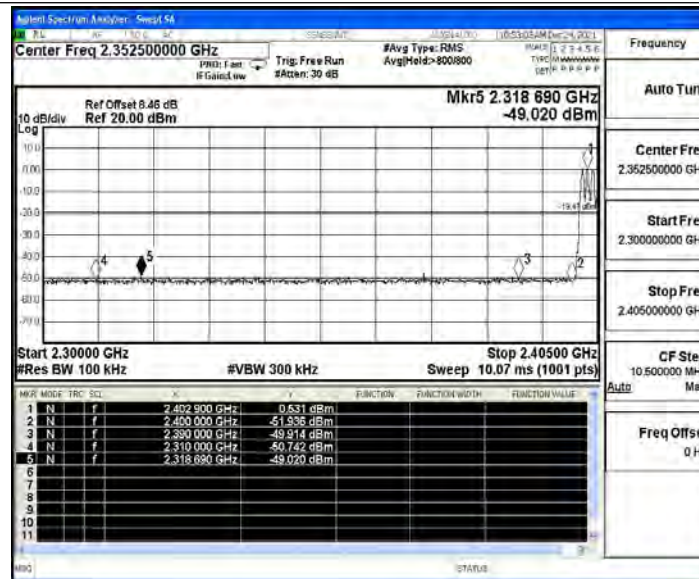
DH5_Ant1_Low_2402



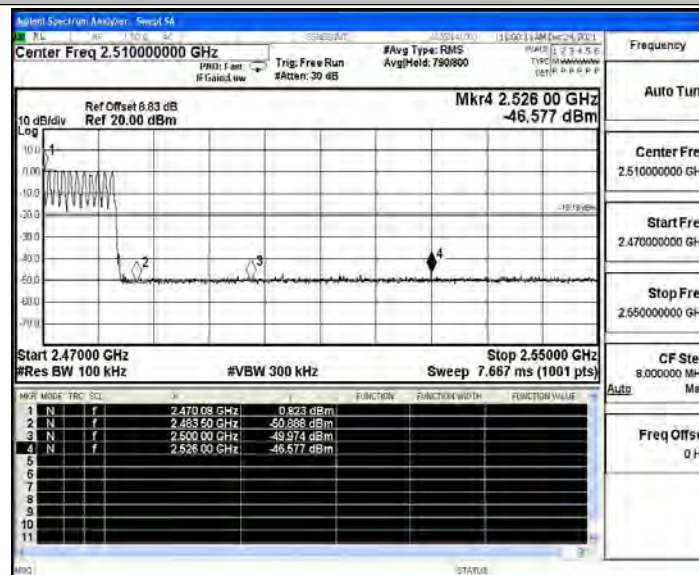
DH5_Ant1_High_2480



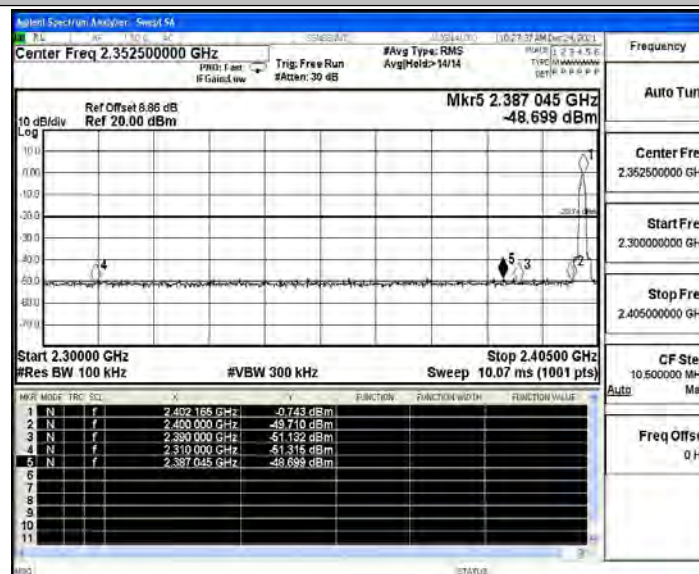
DH5_Ant1_Low_Hop_2402



DH5_Ant1_High_Hop_2480

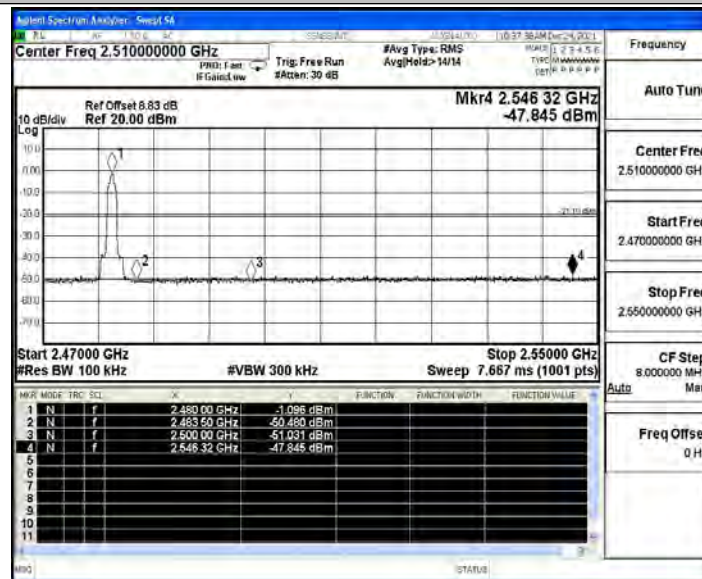


2DH5_Ant1_Low_2402

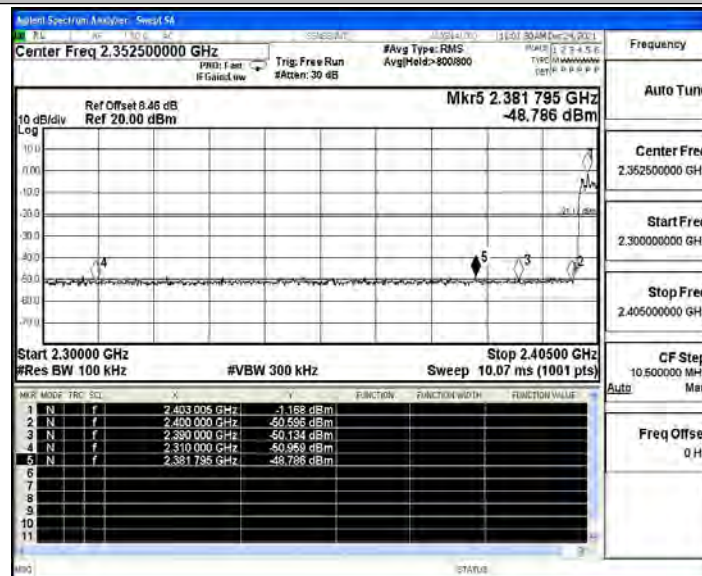




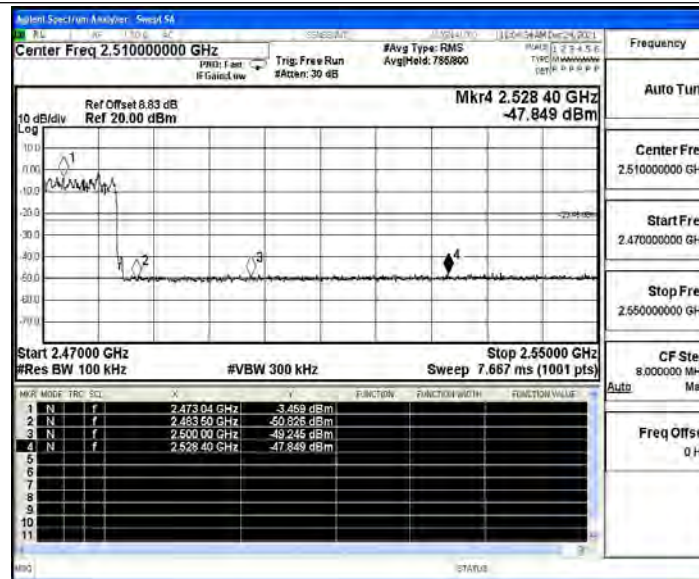
2DH5_Ant1_High_2480



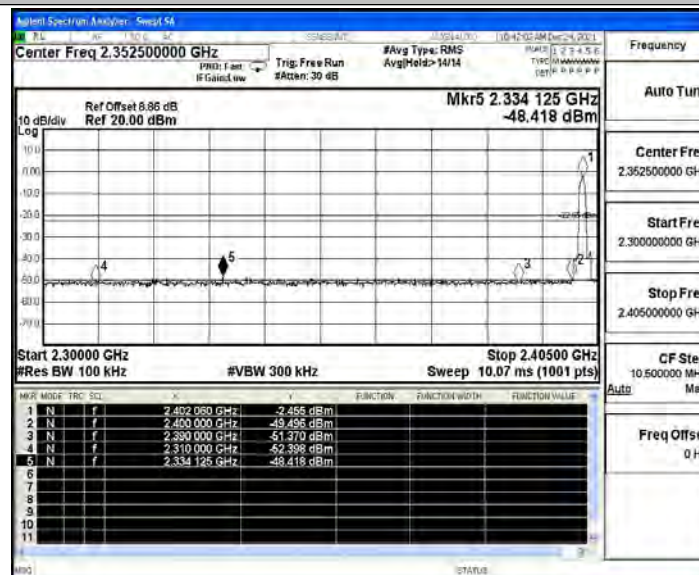
2DH5_Ant1_Low_Hop_2402



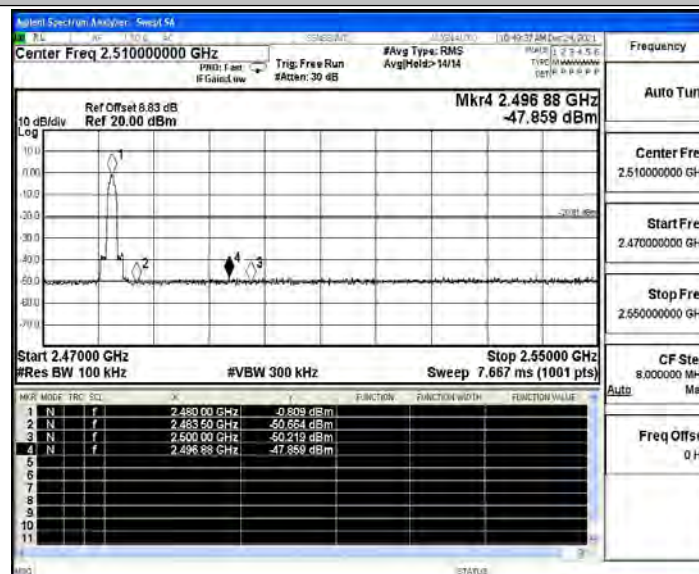
2DH5_Ant1_High_Hop_2480



3DH5_Ant1_Low_2402

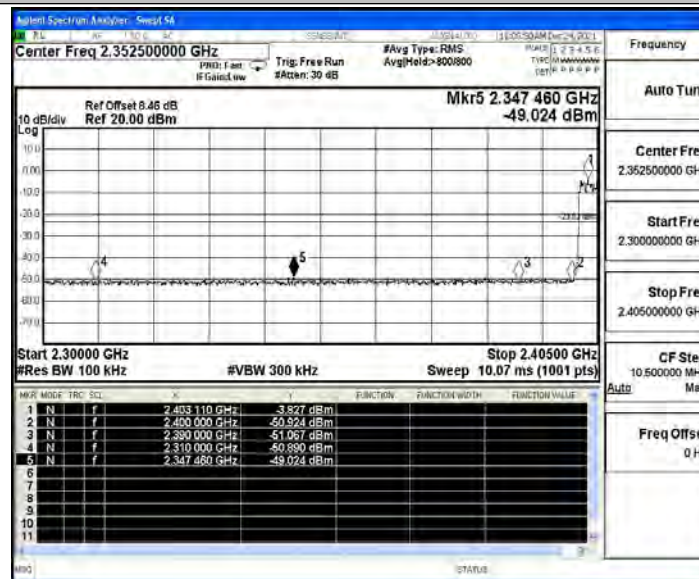


3DH5_Ant1_High_2480

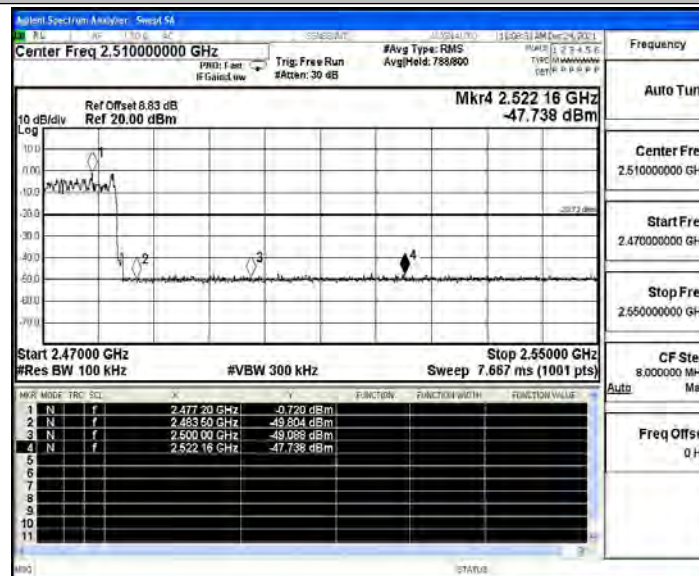




3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480





A.8 Conducted Spurious Emission

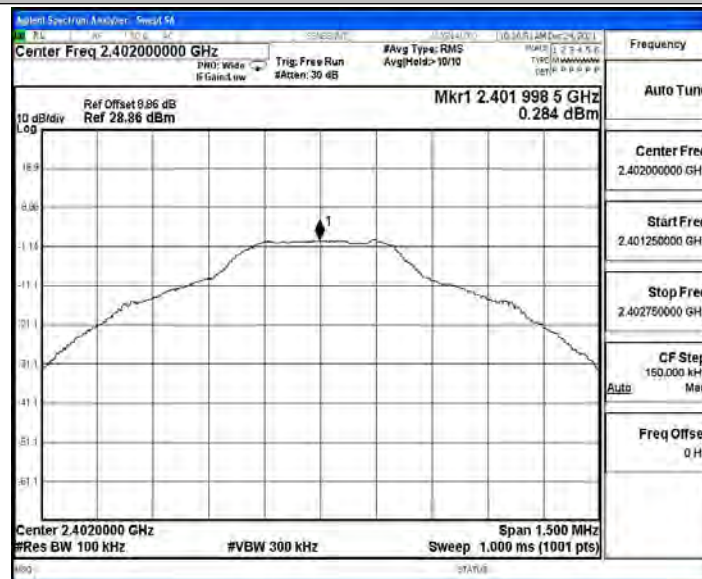
Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	0.28	0.28	---	PASS
			30~1000	0.28	-60.39	≤-19.72	PASS
			1000~26500	0.28	-45.49	≤-19.72	PASS
		2441	Reference	2.08	2.08	---	PASS
			30~1000	2.08	-59.85	≤-17.92	PASS
			1000~26500	2.08	-45.93	≤-17.92	PASS
		2480	Reference	0.34	0.34	---	PASS
			30~1000	0.34	-60.4	≤-19.66	PASS
			1000~26500	0.34	-45.35	≤-19.66	PASS
2DH5	Ant1	2402	Reference	-0.85	-0.85	---	PASS
			30~1000	-0.85	-60.22	≤-20.85	PASS
			1000~26500	-0.85	-46.05	≤-20.85	PASS
		2441	Reference	0.38	0.38	---	PASS
			30~1000	0.38	-60.44	≤-19.62	PASS
			1000~26500	0.38	-45.74	≤-19.62	PASS
		2480	Reference	-1.12	-1.12	---	PASS
			30~1000	-1.12	-47.05	≤-21.12	PASS
			1000~26500	-1.12	-46.02	≤-21.12	PASS
3DH5	Ant1	2402	Reference	-0.73	-0.73	---	PASS
			30~1000	-0.73	-60.56	≤-20.73	PASS
			1000~26500	-0.73	-45.55	≤-20.73	PASS
		2441	Reference	0.55	0.55	---	PASS
			30~1000	0.55	-60.59	≤-19.45	PASS
			1000~26500	0.55	-45.67	≤-19.45	PASS
		2480	Reference	-1.04	-1.04	---	PASS
			30~1000	-1.04	-60.17	≤-21.04	PASS
			1000~26500	-1.04	-46.16	≤-21.04	PASS

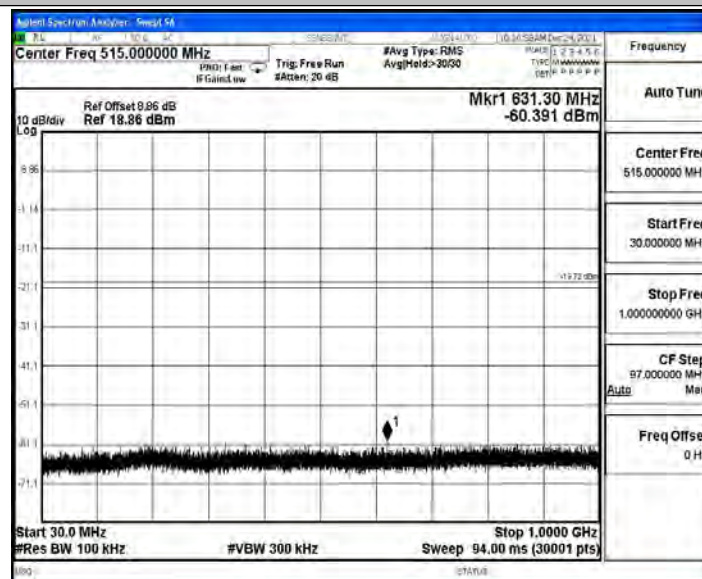


Test Graphs

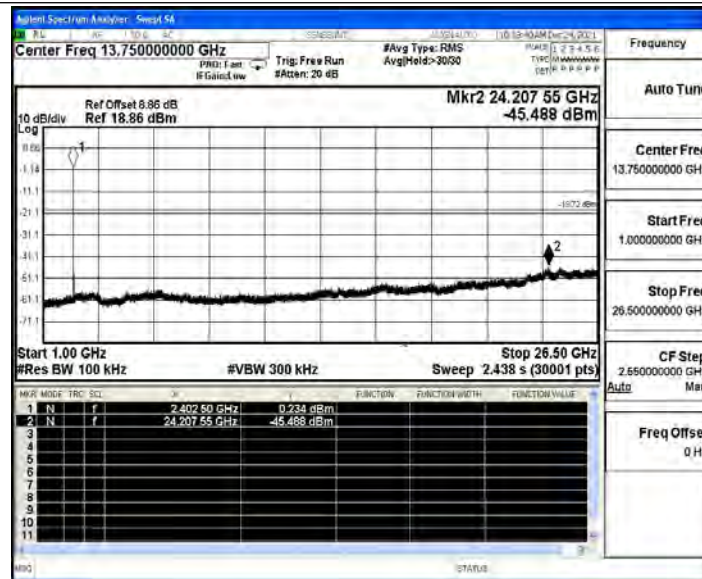
DH5_Ant1_2402_0~Reference



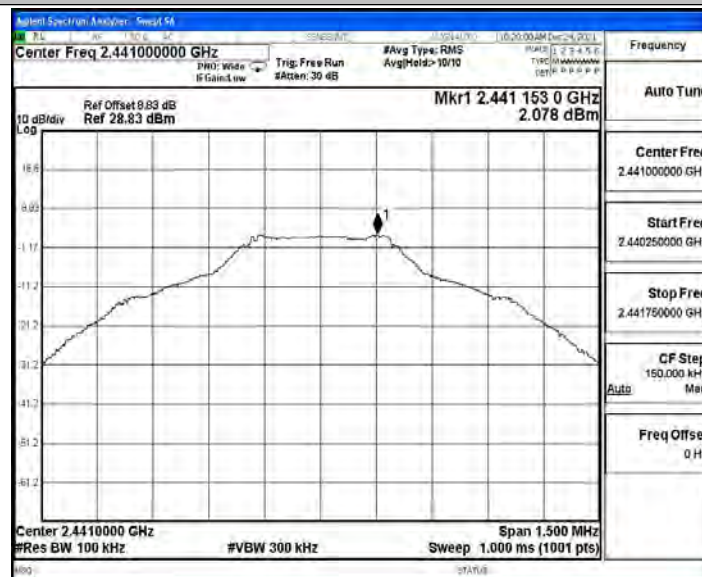
DH5_Ant1_2402_30~1000



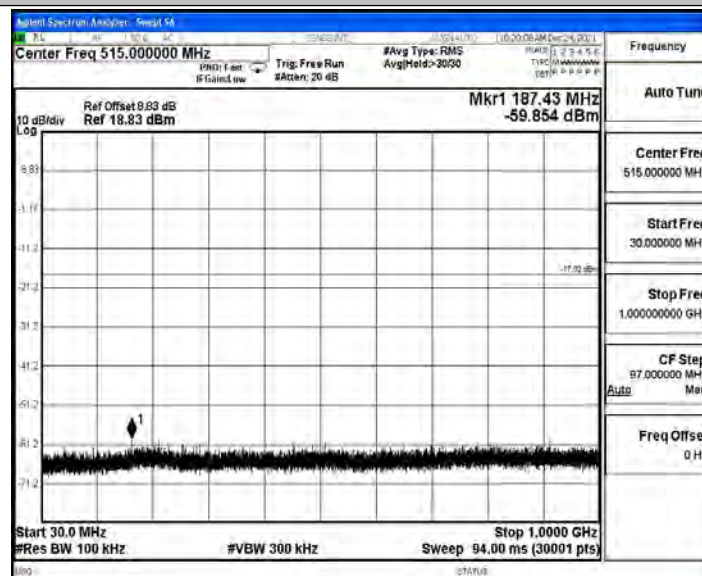
DH5_Ant1_2402_1000~26500



DH5_Ant1_2441_0~Reference

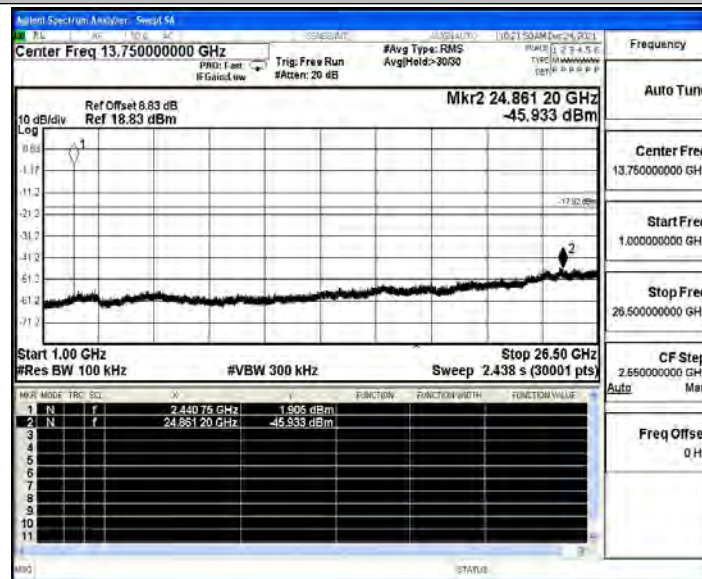


DH5_Ant1_2441_30~1000

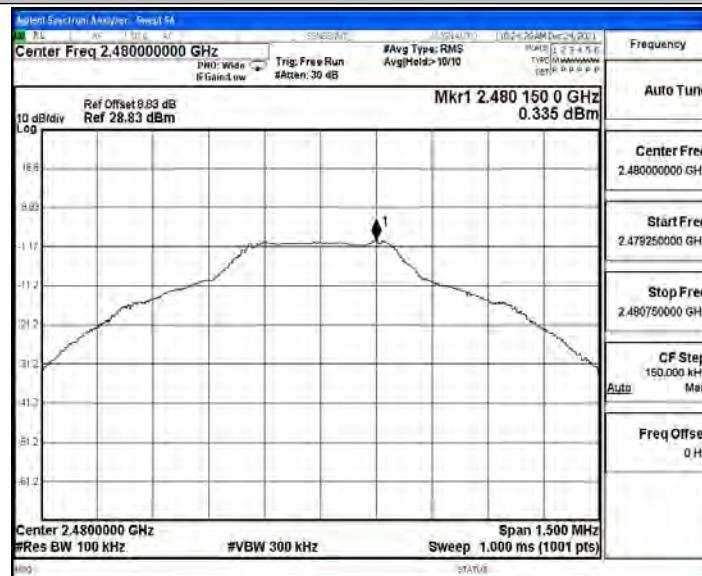




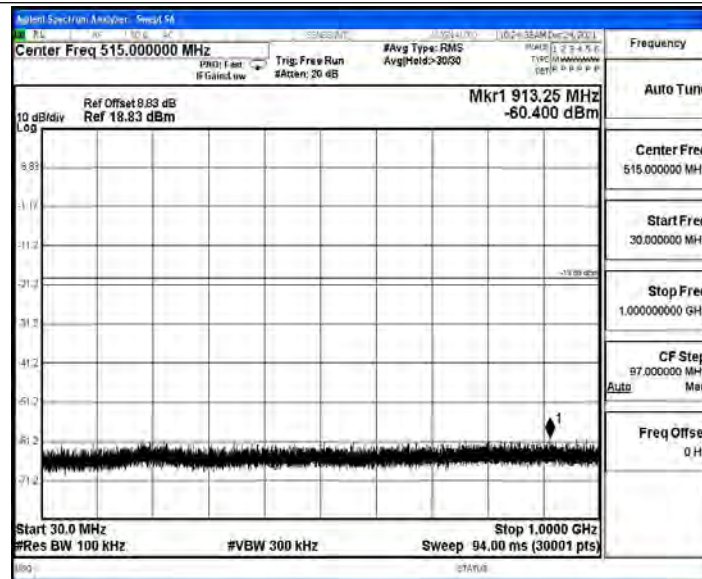
DH5_Ant1_2441_1000~26500



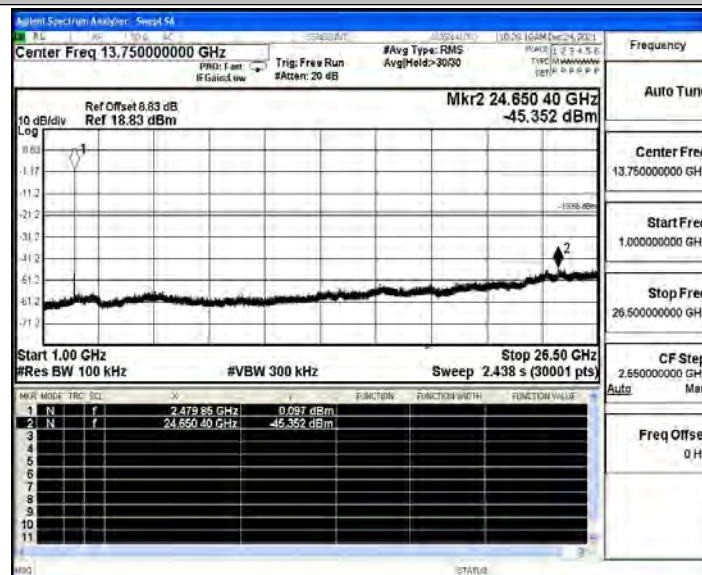
DH5_Ant1_2480_0~Reference



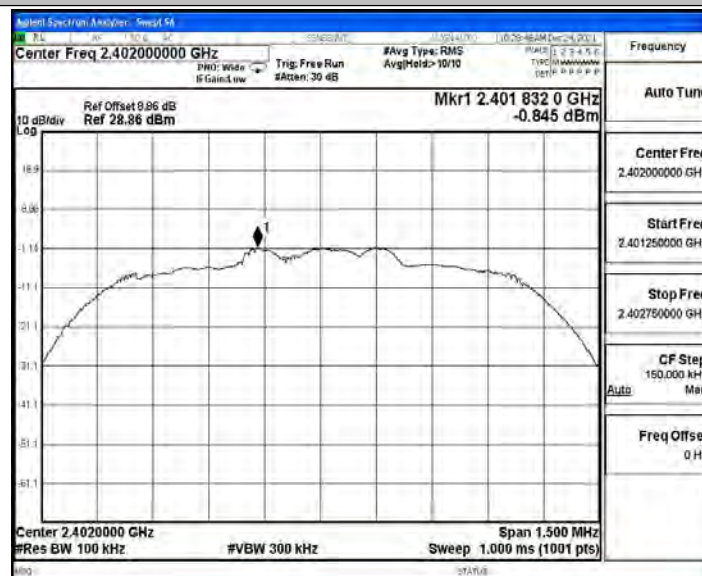
DH5_Ant1_2480_30~1000



DH5_Ant1_2480_1000~26500

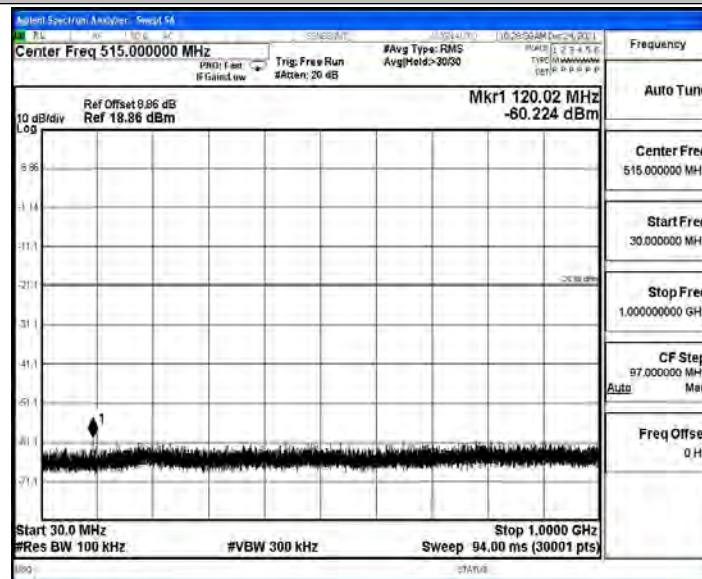


2DH5_Ant1_2402_0~Reference

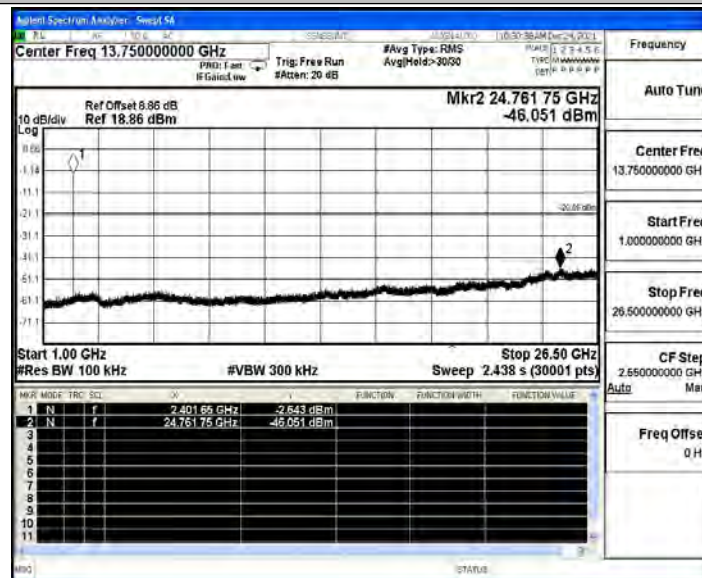




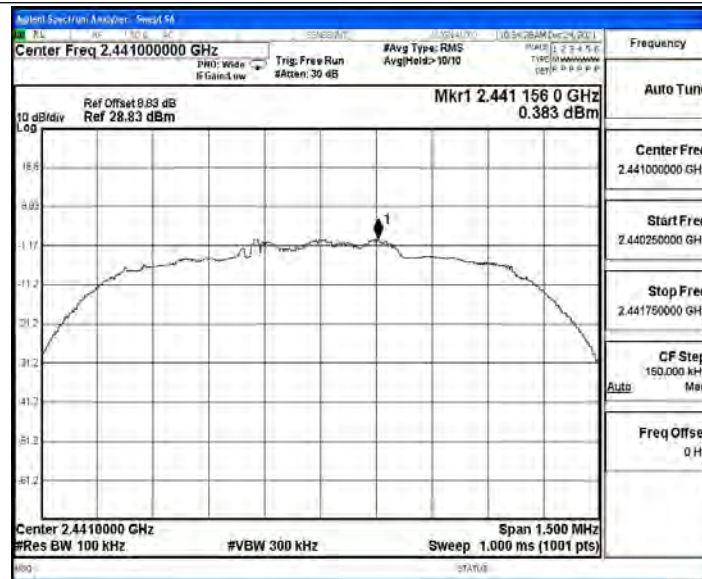
2DH5_Ant1_2402_30~1000



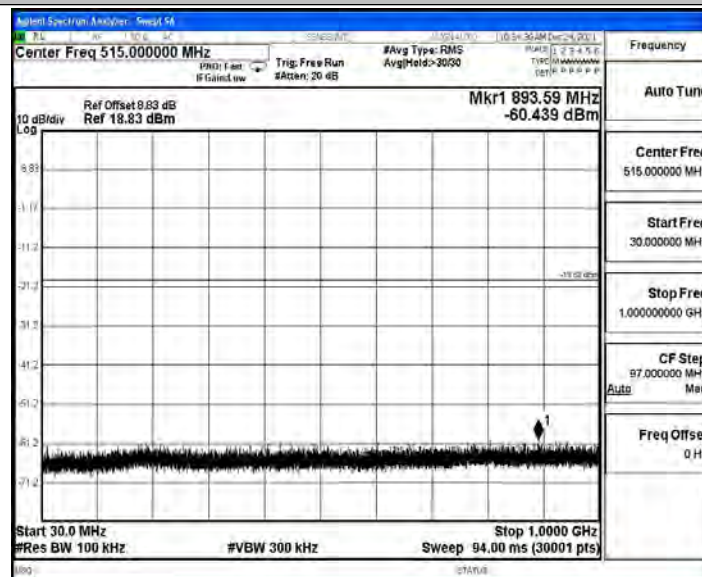
2DH5_Ant1_2402_1000~26500



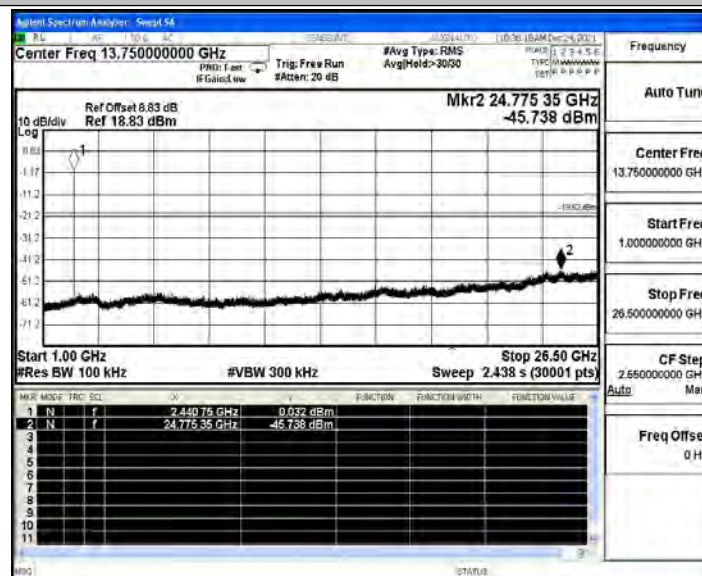
2DH5_Ant1_2441_0~Reference



2DH5_Ant1_2441_30~1000

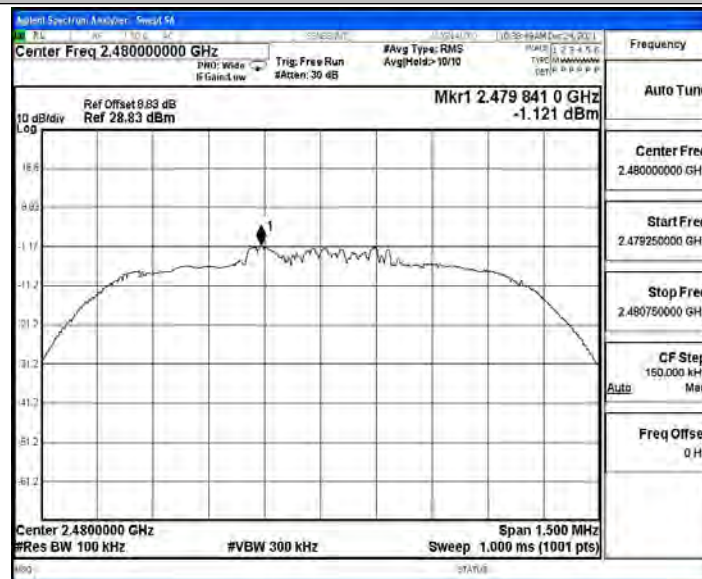


2DH5_Ant1_2441_1000~26500

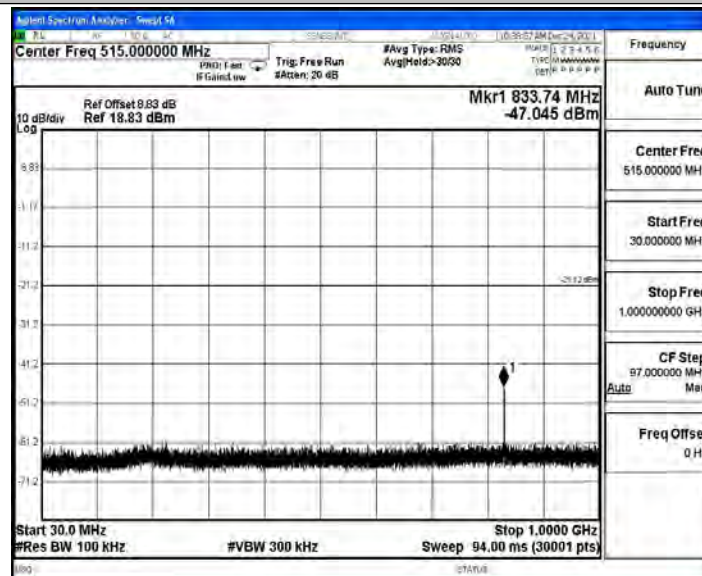




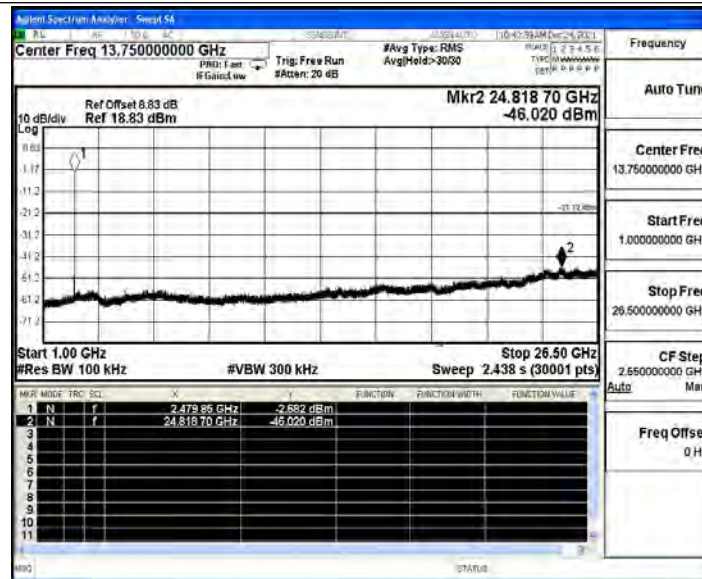
2DH5_Ant1_2480_0~Reference



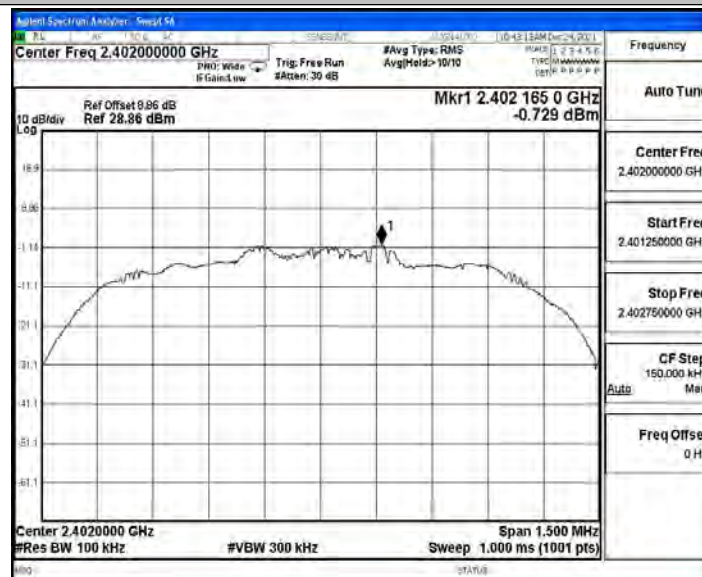
2DH5_Ant1_2480_30~1000



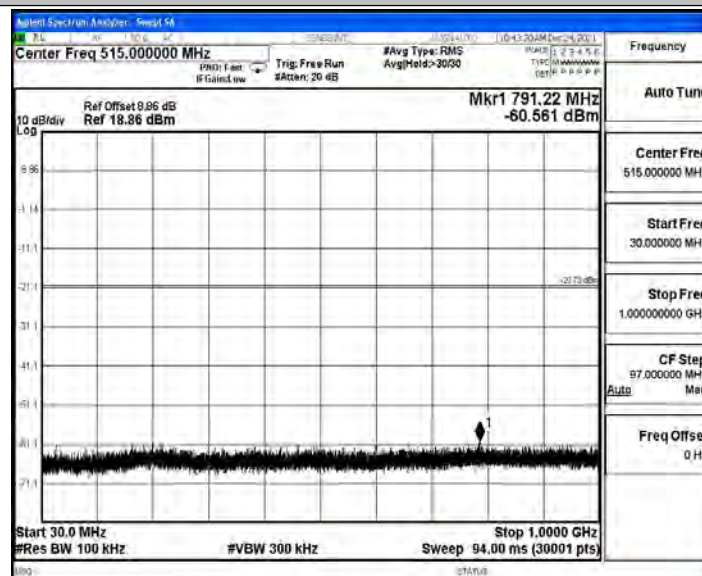
2DH5_Ant1_2480_1000~26500



3DH5_Ant1_2402_0~Reference

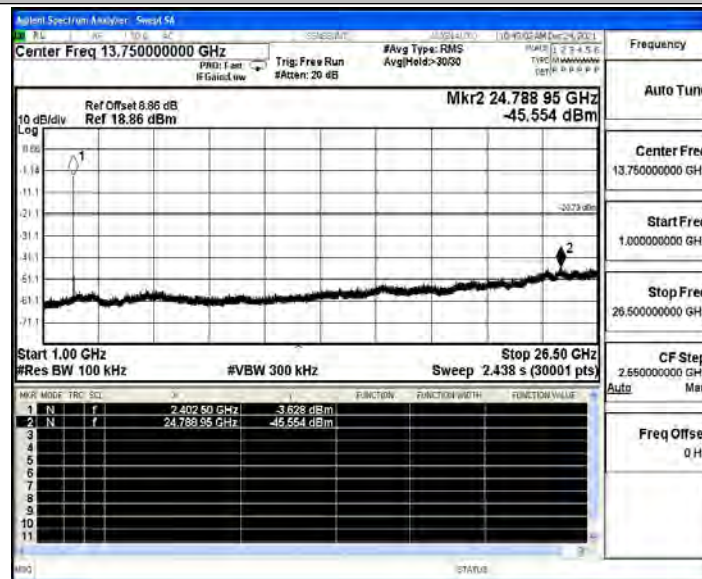


3DH5_Ant1_2402_30~1000

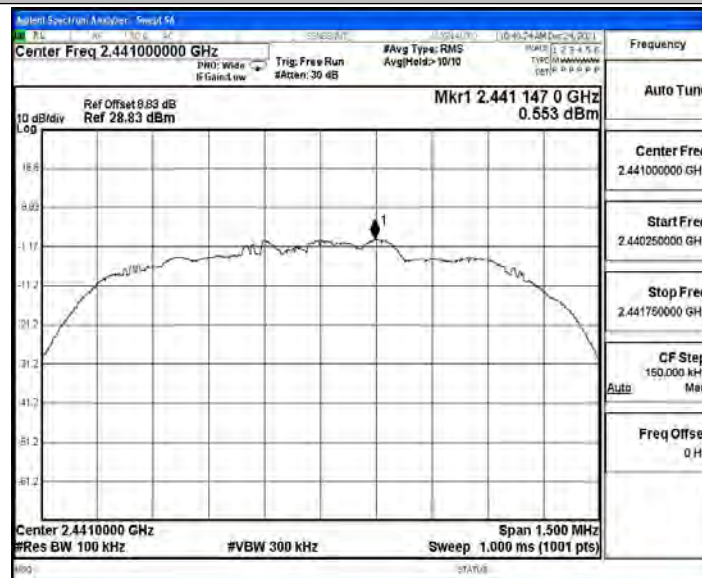




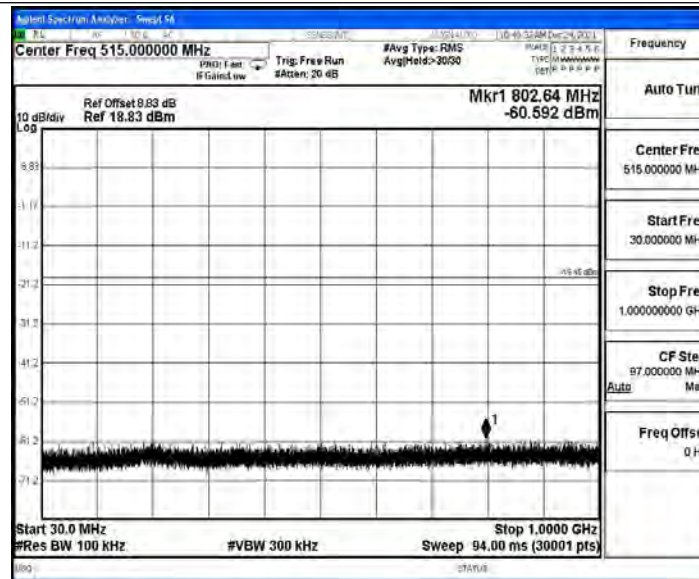
3DH5_Ant1_2402_1000~26500



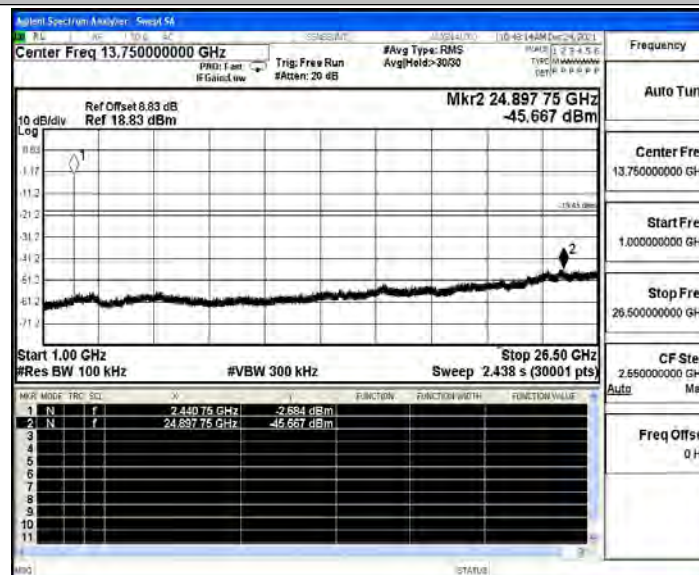
3DH5_Ant1_2441_0~Reference



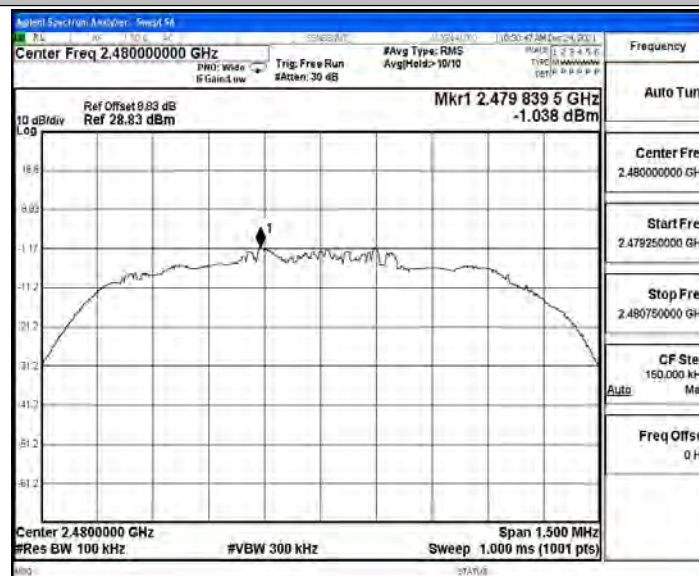
3DH5_Ant1_2441_30~1000



3DH5_Ant1_2441_1000~26500

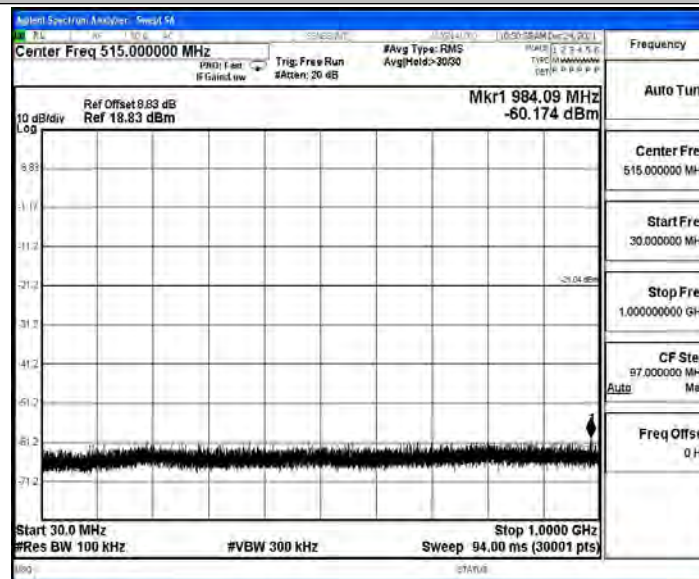


3DH5_Ant1_2480_0~Reference

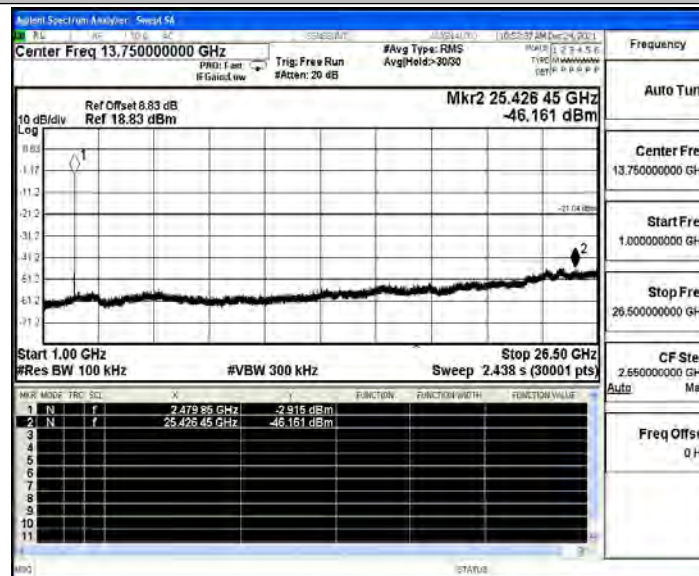




3DH5_Ant1_2480_30~1000



3DH5_Ant1_2480_1000~26500





A.9 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	-47.94	≤-41.20	47.26	≤54	PASS
				AV	2389.565	-47.55	≤-41.20	47.65	≤54	PASS
				AV	2390.000	-47.6	≤-41.20	47.60	≤54	PASS
				Peak	2310.000	-38.15	≤-21.20	57.05	≤74	PASS
				Peak	2379.695	-36.62	≤-21.20	58.58	≤74	PASS
				Peak	2390.000	-38.38	≤-21.20	56.82	≤74	PASS
		High	2480	AV	2483.500	-47	≤-41.20	48.20	≤54	PASS
				AV	2499.360	-46.96	≤-41.20	48.24	≤54	PASS
				AV	2500.000	-47.12	≤-41.20	48.08	≤54	PASS
				Peak	2483.500	-37.88	≤-21.20	57.32	≤74	PASS
				Peak	2490.000	-35.64	≤-21.20	59.56	≤74	PASS
				Peak	2500.000	-36.7	≤-21.20	58.50	≤74	PASS
		Low	Hop_24 02	Peak	2310.000	-37.68	≤-21.20	57.52	≤74	PASS
				Peak	2378.330	-36.94	≤-21.20	58.26	≤74	PASS
				Peak	2390.000	-38.84	≤-21.20	56.36	≤74	PASS
		High	Hop_24 80	Peak	2483.500	-37.9	≤-21.20	57.30	≤74	PASS
				Peak	2486.800	-36.04	≤-21.20	59.16	≤74	PASS
				Peak	2500.000	-37.52	≤-21.20	57.68	≤74	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-48.03	≤-41.20	47.17	≤54	PASS
				AV	2385.050	-47.55	≤-41.20	47.65	≤54	PASS
				AV	2390.000	-47.65	≤-41.20	47.55	≤54	PASS
				Peak	2310.000	-38.45	≤-21.20	56.75	≤74	PASS
				Peak	2378.960	-36.38	≤-21.20	58.82	≤74	PASS
				Peak	2390.000	-37.63	≤-21.20	57.57	≤74	PASS
		High	2480	AV	2483.500	-46.97	≤-41.20	48.23	≤54	PASS
				AV	2499.440	-46.91	≤-41.20	48.29	≤54	PASS
				AV	2500.000	-47.14	≤-41.20	48.06	≤54	PASS
				Peak	2483.500	-37.98	≤-21.20	57.22	≤74	PASS
				Peak	2483.760	-35.89	≤-21.20	59.31	≤74	PASS
				Peak	2500.000	-37.69	≤-21.20	57.51	≤74	PASS
		Low	Hop_24 02	Peak	2310.000	-38.57	≤-21.20	56.63	≤74	PASS
				Peak	2363.315	-37.08	≤-21.20	58.12	≤74	PASS
				Peak	2390.000	-37.69	≤-21.20	57.51	≤74	PASS
		High	Hop_24 80	Peak	2483.500	-38.16	≤-21.20	57.04	≤74	PASS
				Peak	2488.080	-35.99	≤-21.20	59.21	≤74	PASS
				Peak	2500.000	-38.45	≤-21.20	56.75	≤74	PASS
3DH5	Ant1	Low	2402	AV	2310.000	-48.07	≤-41.20	47.13	≤54	PASS



				AV	2388.620	-47.5	≤-41.20	47.70	≤54	PASS
				AV	2390.000	-47.72	≤-41.20	47.48	≤54	PASS
				Peak	2310.000	-38.68	≤-21.20	56.52	≤74	PASS
				Peak	2342.210	-36.42	≤-21.20	58.78	≤74	PASS
				Peak	2390.000	-38	≤-21.20	57.20	≤74	PASS
		High	2480	AV	2483.500	-46.97	≤-41.20	48.23	≤54	PASS
				AV	2498.400	-46.9	≤-41.20	48.30	≤54	PASS
				AV	2500.000	-47	≤-41.20	48.20	≤54	PASS
				Peak	2483.500	-37.69	≤-21.20	57.51	≤74	PASS
				Peak	2499.120	-35.6	≤-21.20	59.60	≤74	PASS
				Peak	2500.000	-37.01	≤-21.20	58.19	≤74	PASS
		Low	Hop_24 02	Peak	2310.000	-38.78	≤-21.20	56.42	≤74	PASS
				Peak	2371.820	-36.76	≤-21.20	58.44	≤74	PASS
				Peak	2390.000	-38.83	≤-21.20	56.37	≤74	PASS
		High	Hop_24 80	Peak	2483.500	-38.13	≤-21.20	57.07	≤74	PASS
				Peak	2492.560	-35.68	≤-21.20	59.52	≤74	PASS
				Peak	2500.000	-37.94	≤-21.20	57.26	≤74	PASS

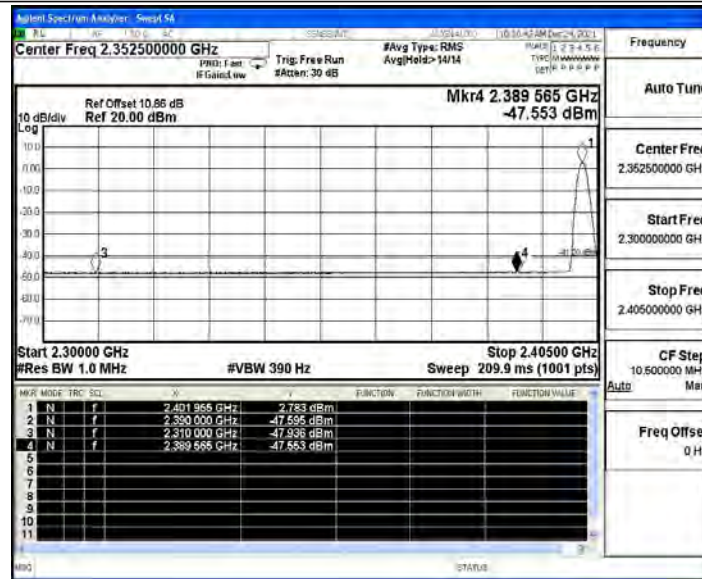
Note:

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.

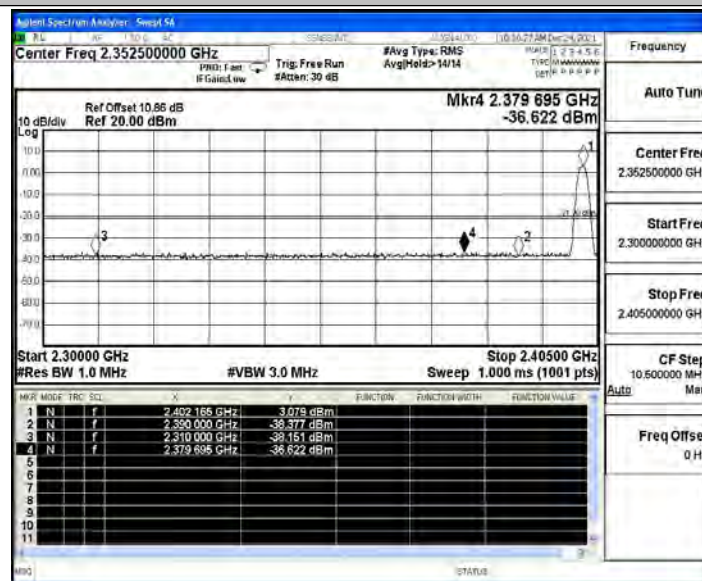


Test Graphs

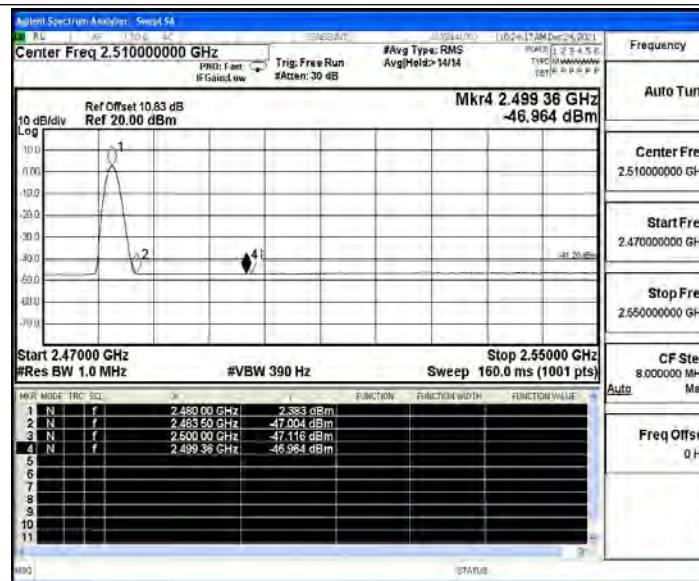
DH5_Ant1_Low_2402_AV



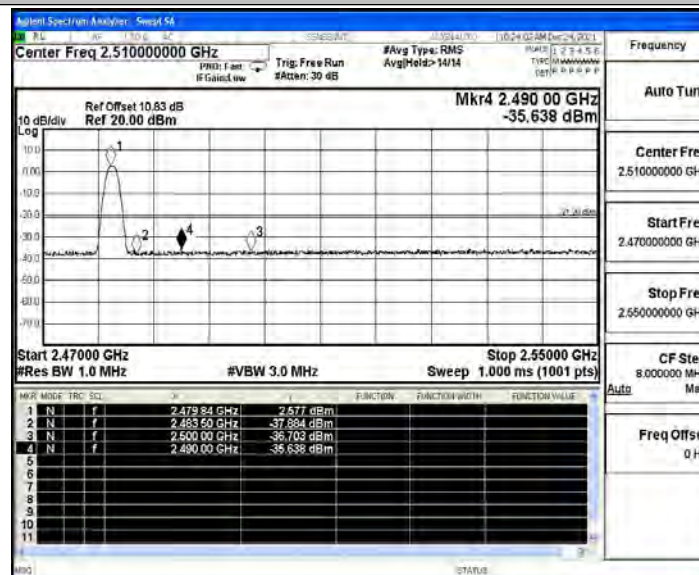
DH5_Ant1_Low_2402_Peak



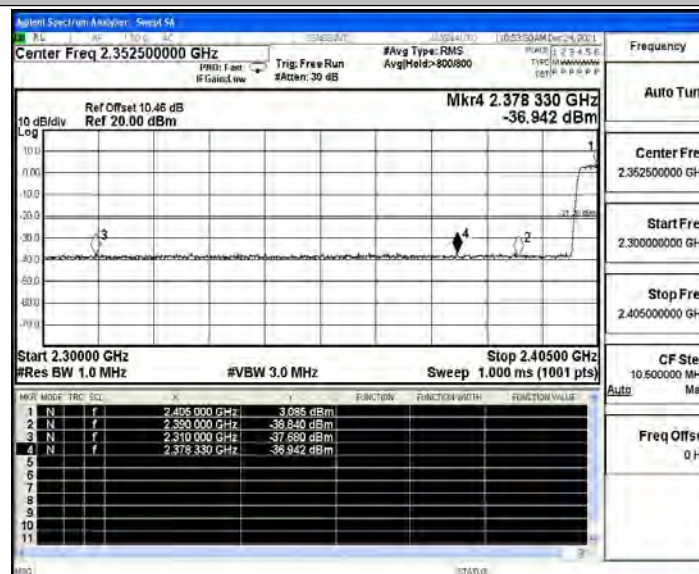
DH5_Ant1_High_2480_AV



DH5_Ant1_High_2480_Peak

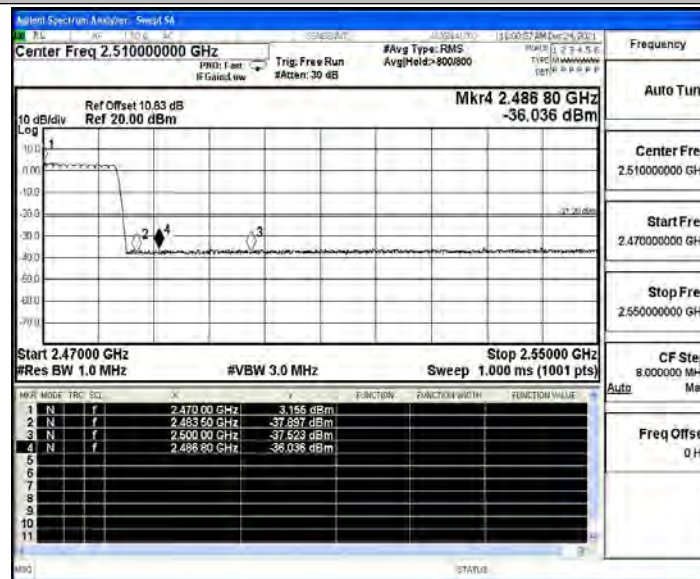


DH5_Ant1_Low_Hop_2402_Peak

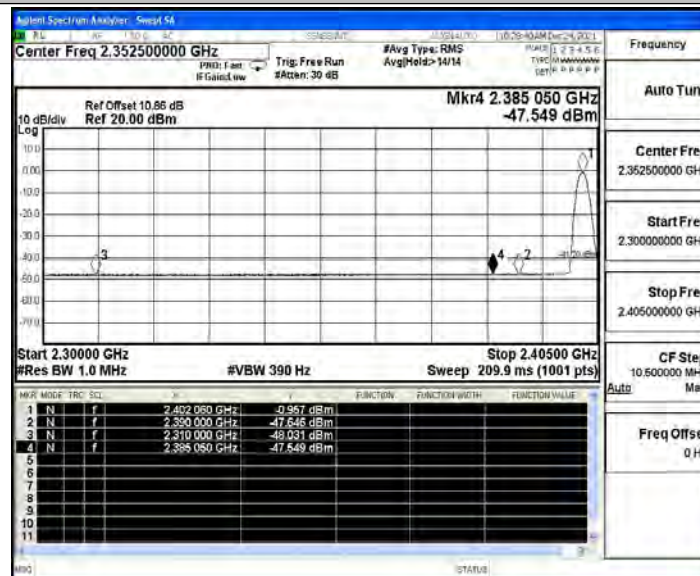




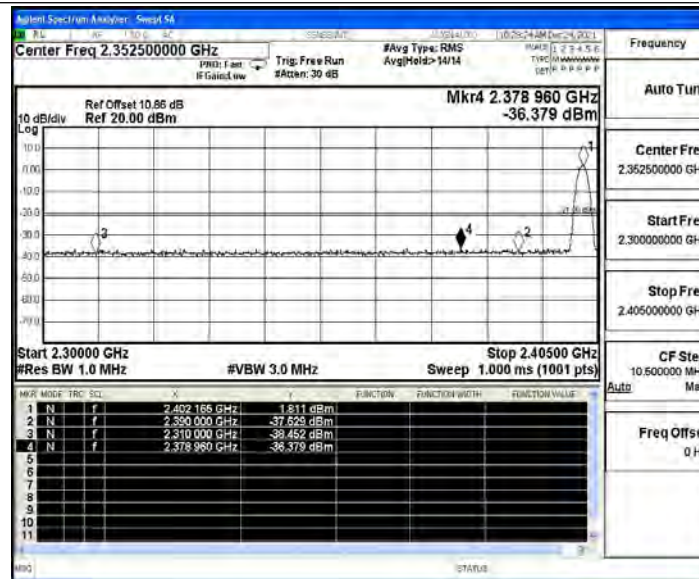
DH5_Ant1_High_Hop_2480_Peak



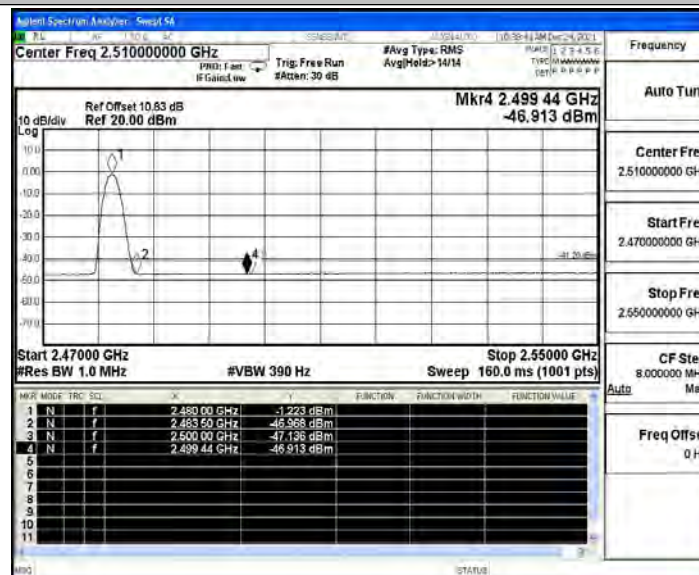
2DH5_Ant1_Low_2402_AV



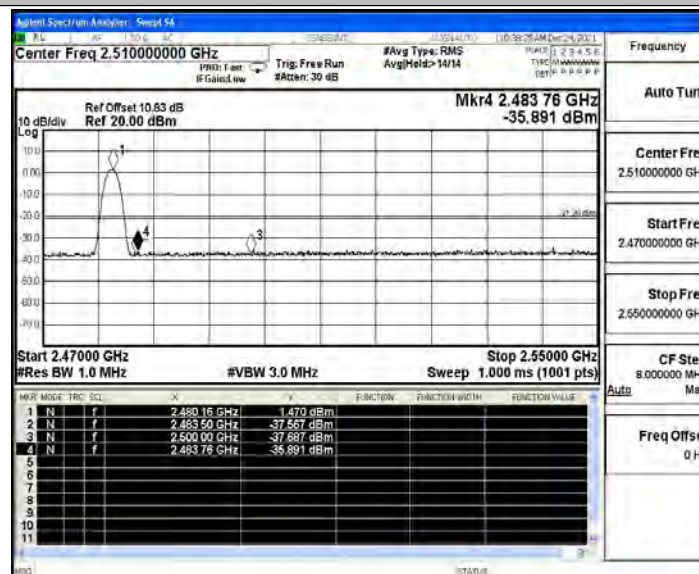
2DH5_Ant1_Low_2402_Peak



2DH5_Ant1_High_2480_AV

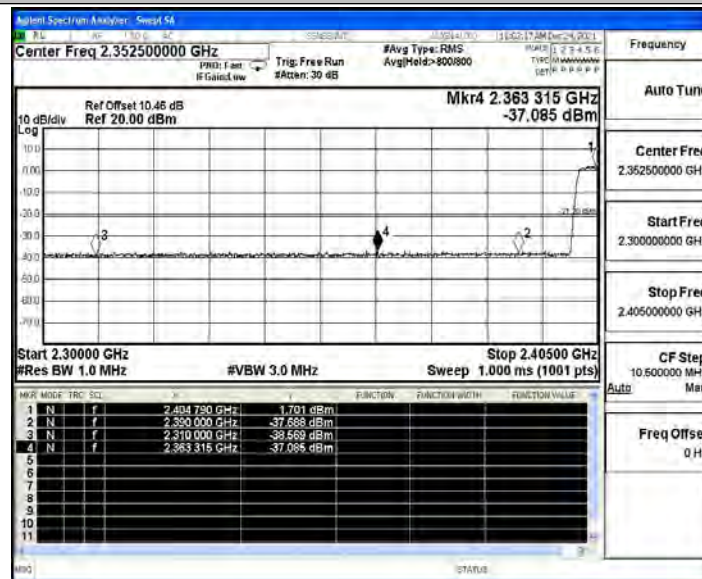


2DH5_Ant1_High_2480_Peak

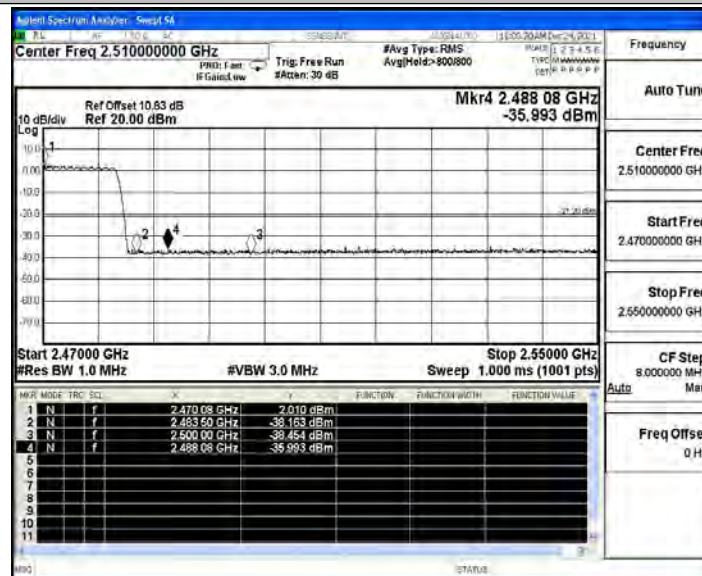




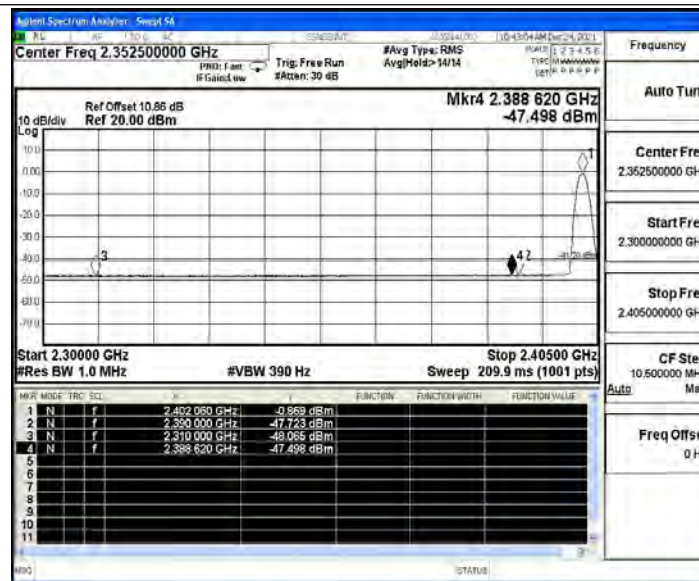
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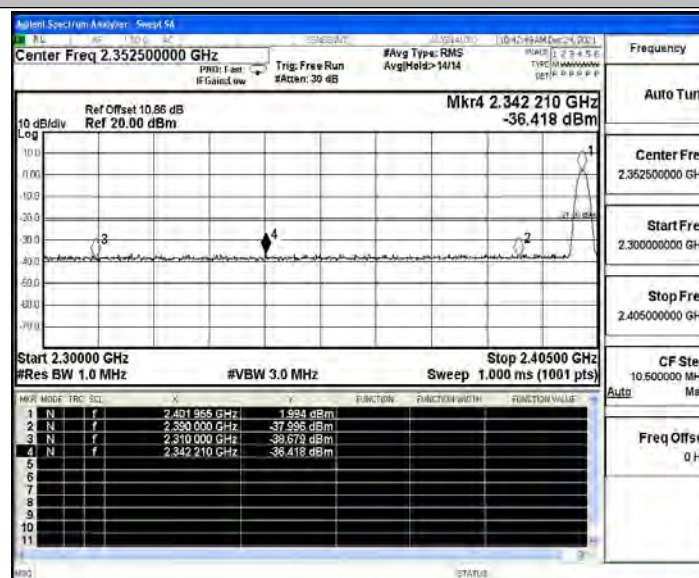
2DH5_Ant1_High_Hop_2480_Peak



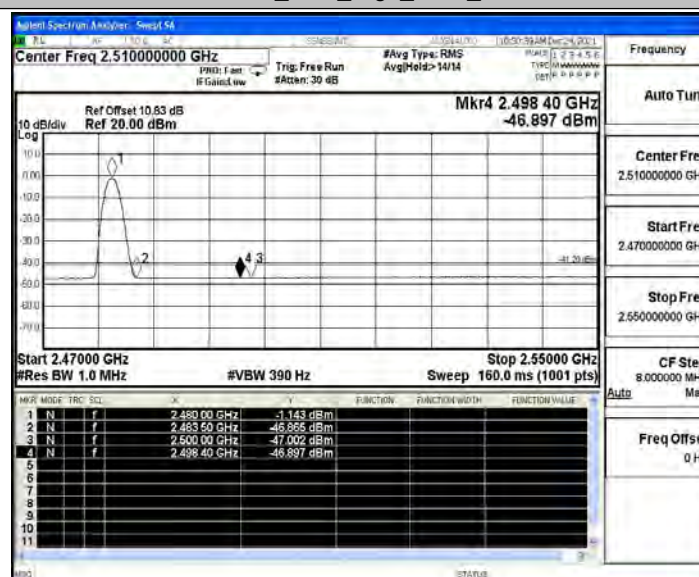
3DH5_Ant1_Low_2402_AV



3DH5_Ant1_Low_2402_Peak

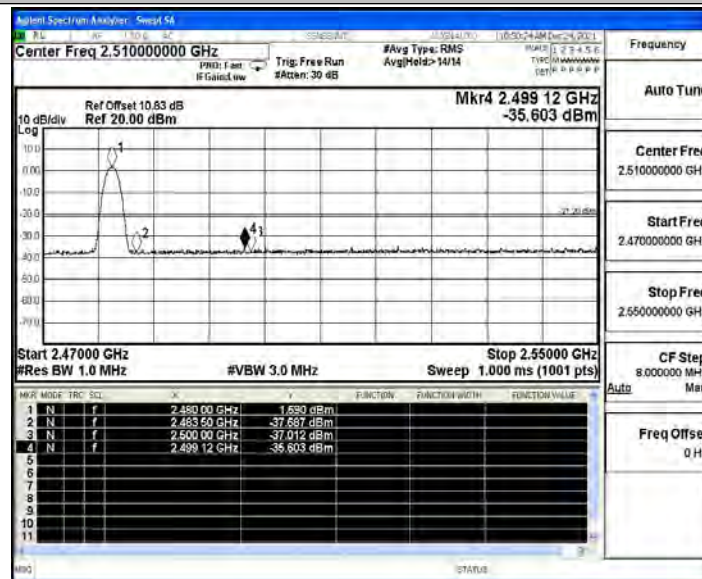


3DH5_Ant1_High_2480_AV

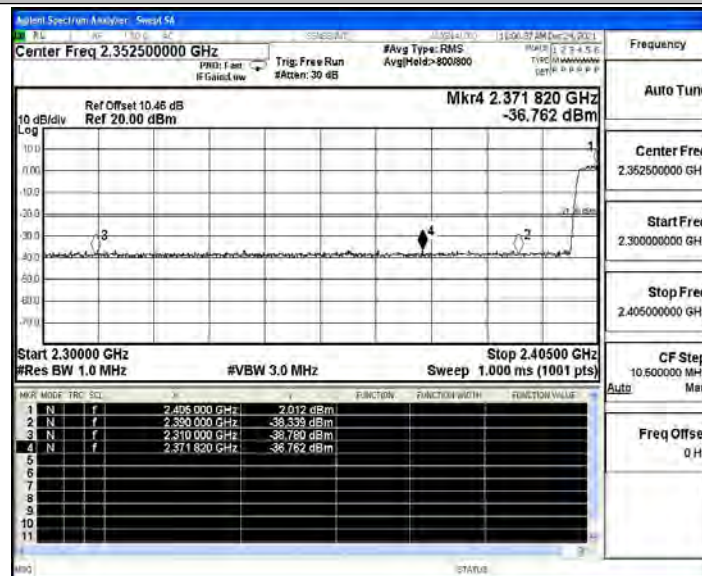




3DH5_Ant1_High_2480_Peak



3DH5_Ant1_Low_Hop_2402_Peak



3DH5_Ant1_High_Hop_2480_Peak

