



Appendix A

RF Test Data for BT V4.0 (DSS) (Conducted Measurement)

Product Name: 7 Inch Tablet Space 7

Test Model: UNIQ0122

Environmental Conditions

Temperature:	22.3℃
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	 Kay Hu
Supervised by:	 Li Huan



A.1 20dB Emission Bandwidth

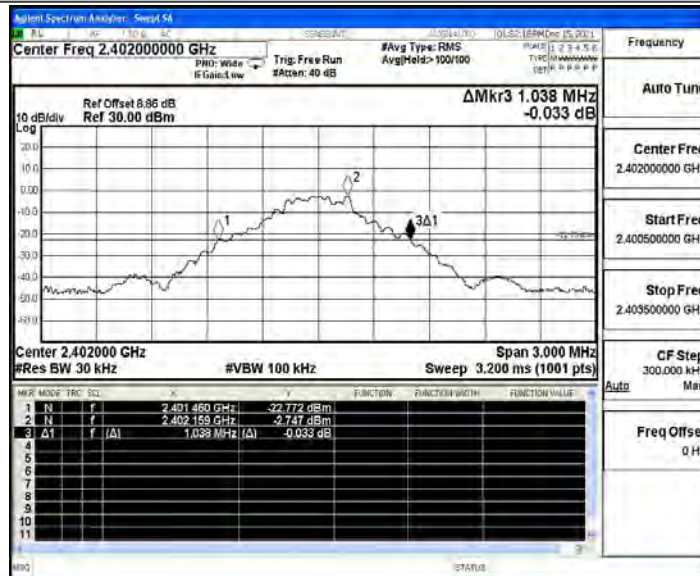
Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.038	2401.460	2402.498	---	PASS
		2441	1.029	2440.460	2441.489	---	PASS
		2480	0.981	2479.514	2480.495	---	PASS
2DH5	Ant1	2402	1.290	2401.355	2402.645	---	PASS
		2441	1.290	2440.355	2441.645	---	PASS
		2480	1.323	2479.328	2480.651	---	PASS
3DH5	Ant1	2402	1.299	2401.340	2402.639	---	PASS
		2441	1.308	2440.337	2441.645	---	PASS
		2480	1.290	2479.343	2480.633	---	PASS

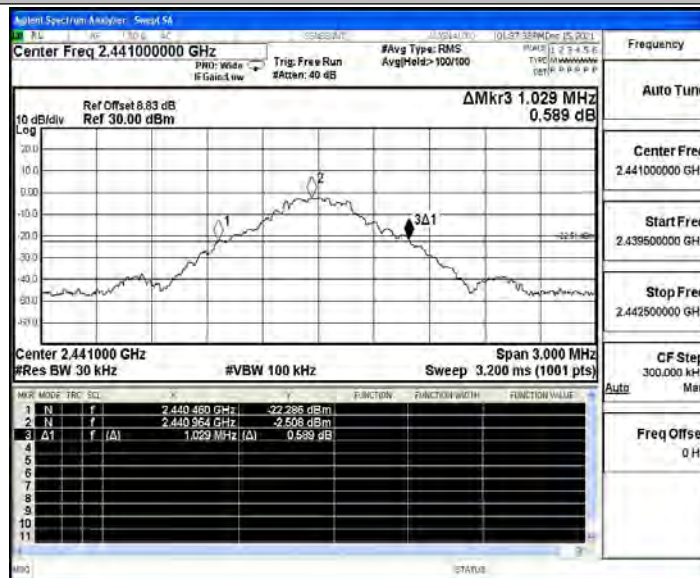


Test Graphs

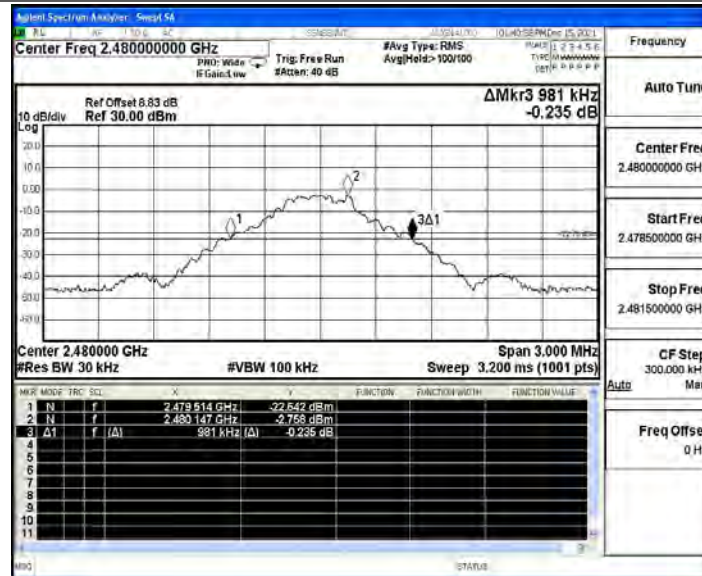
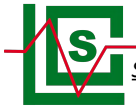
DH5_Ant1_2402



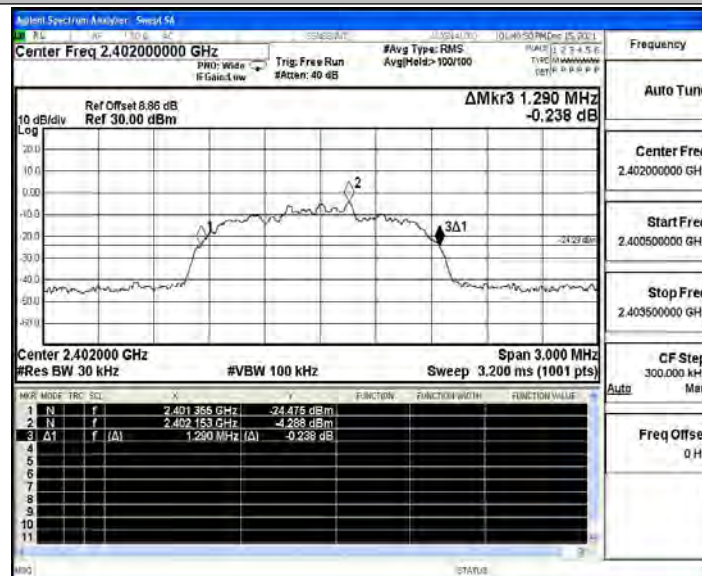
DH5_Ant1_2441



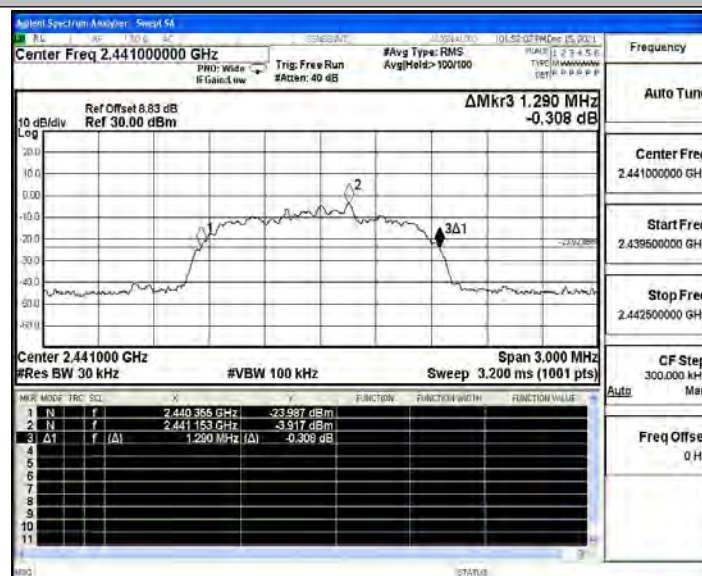
DH5_Ant1_2480



2DH5_Ant1_2402

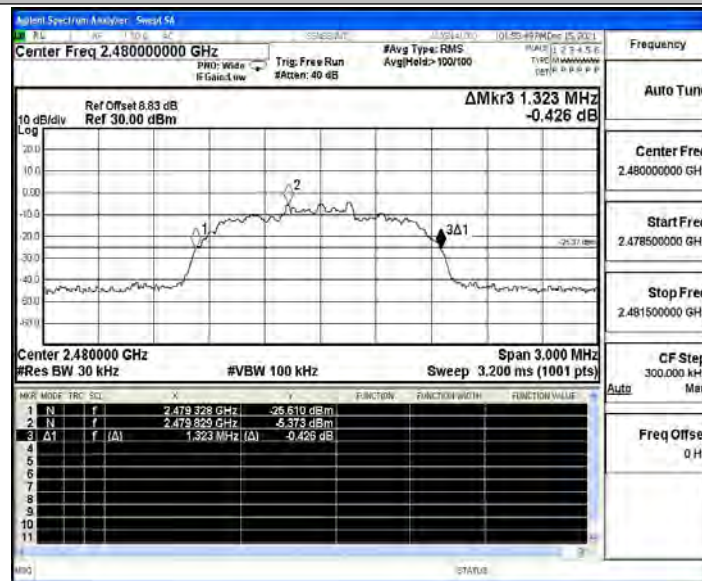


2DH5_Ant1_2441

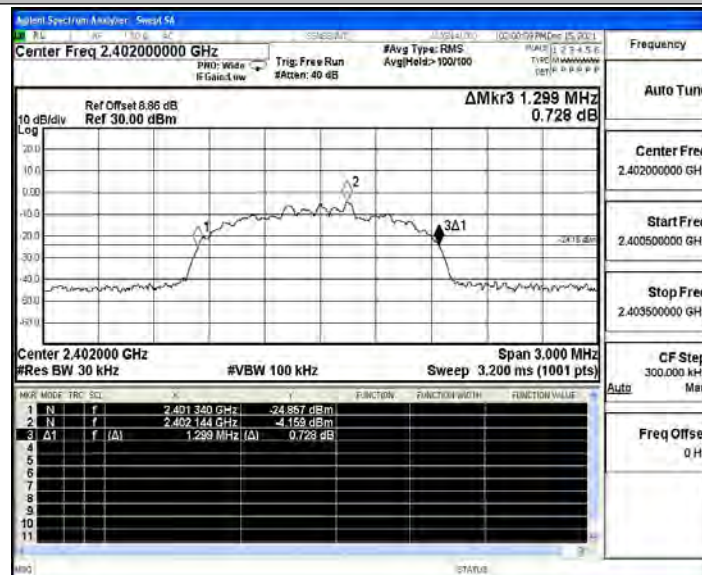




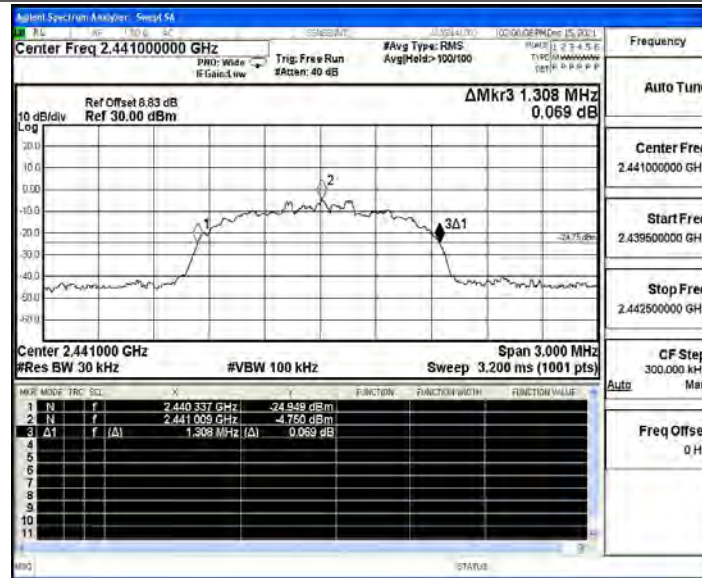
2DH5_Ant1_2480



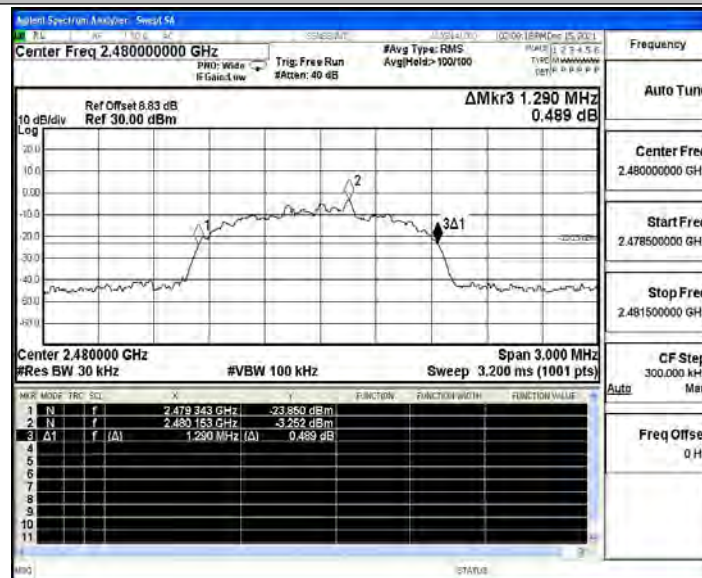
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480





A.2 Maximum peak conducted output power

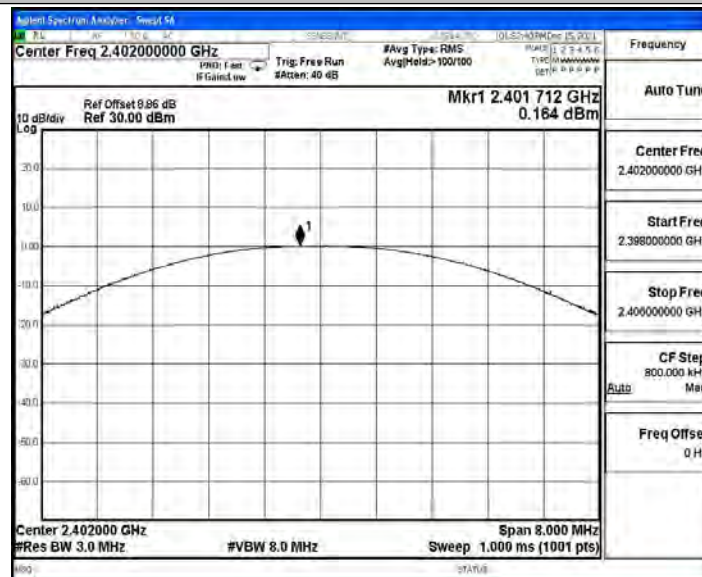
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	0.16	≤ 20.97	PASS
		2441	0.54	≤ 20.97	PASS
		2480	0.31	≤ 20.97	PASS
2DH5	Ant1	2402	-0.23	≤ 20.97	PASS
		2441	0.18	≤ 20.97	PASS
		2480	0.04	≤ 20.97	PASS
3DH5	Ant1	2402	-0.08	≤ 20.97	PASS
		2441	0.42	≤ 20.97	PASS
		2480	0.28	≤ 20.97	PASS

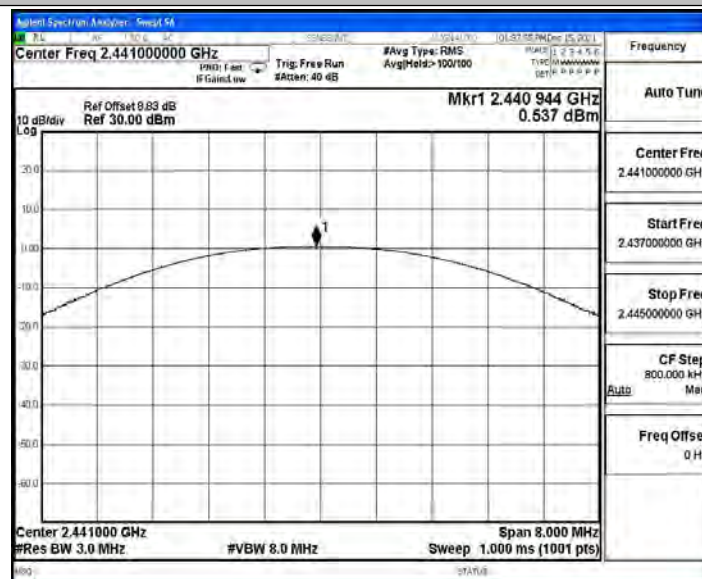


Test Graphs

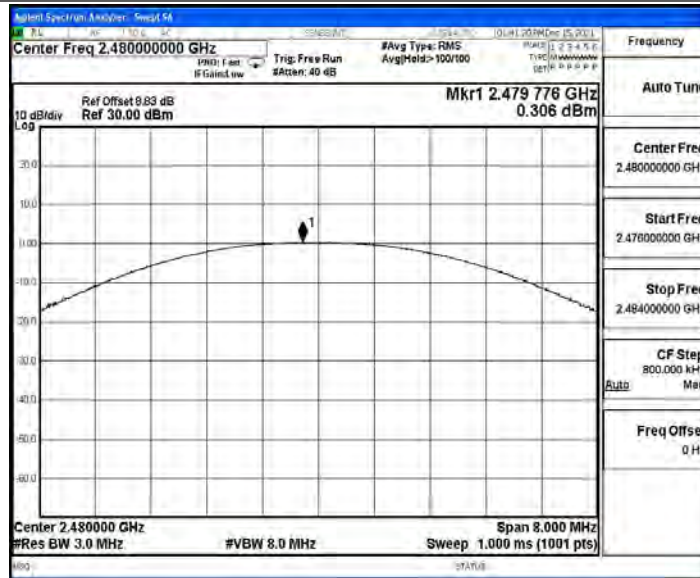
DH5_Ant1_2402



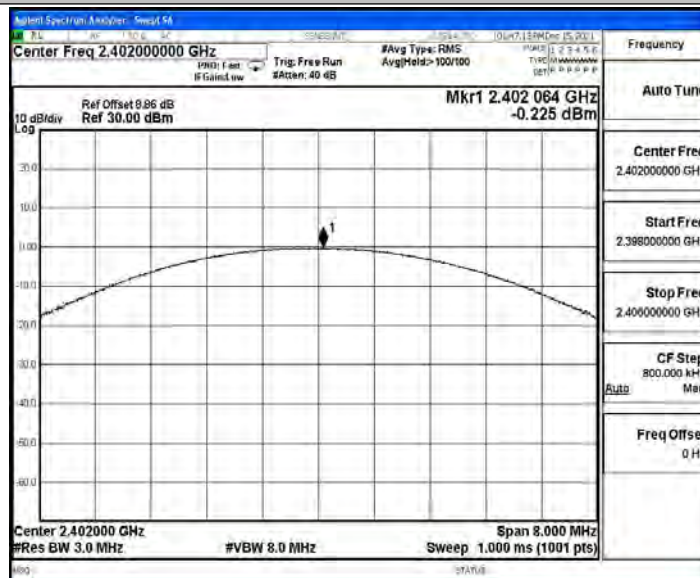
DH5_Ant1_2441



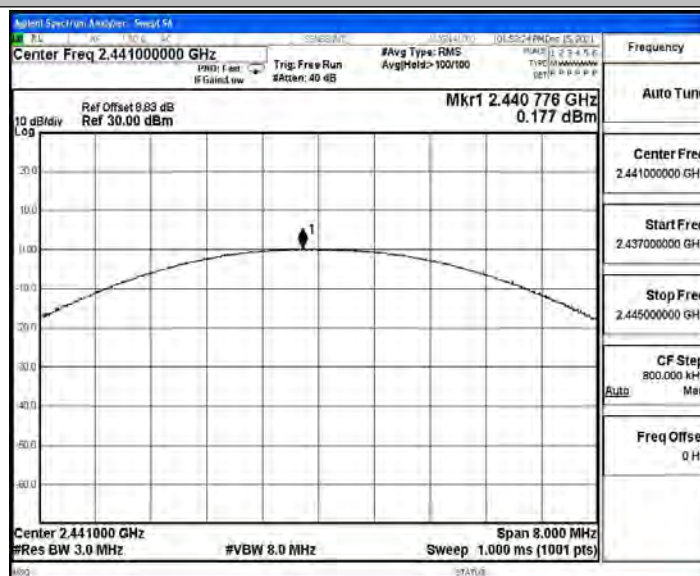
DH5_Ant1_2480



2DH5_Ant1_2402

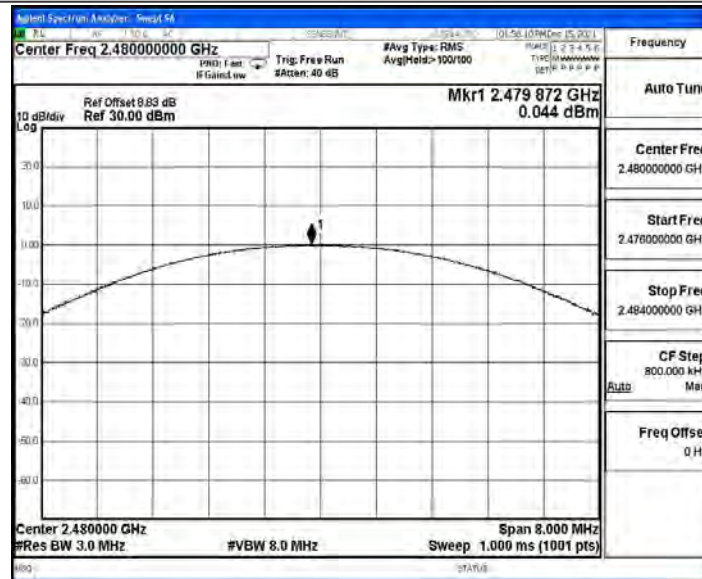


2DH5_Ant1_2441

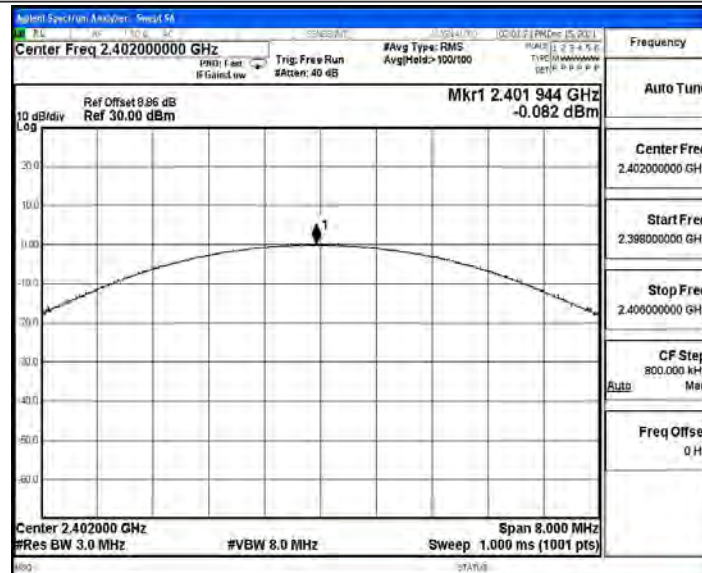




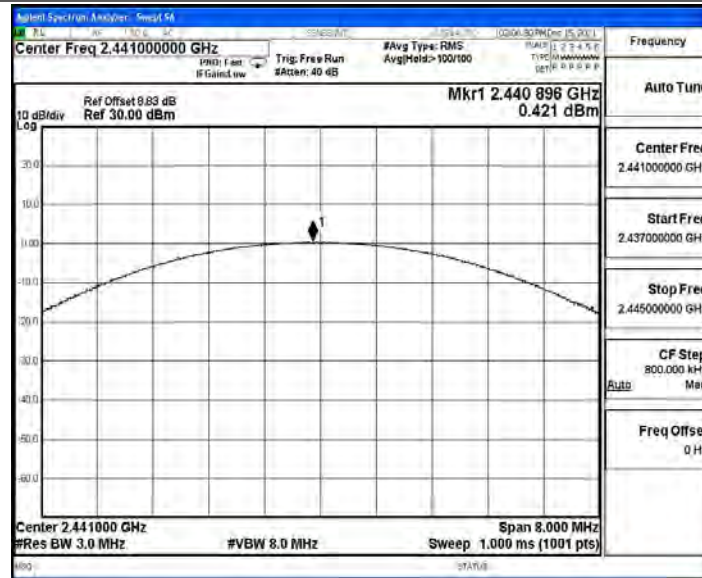
2DH5_Ant1_2480



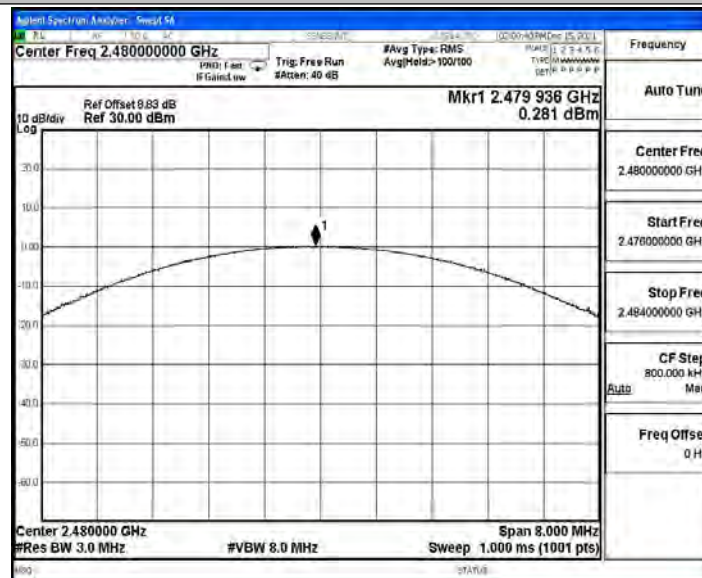
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480





A.3 Carrier frequency separation

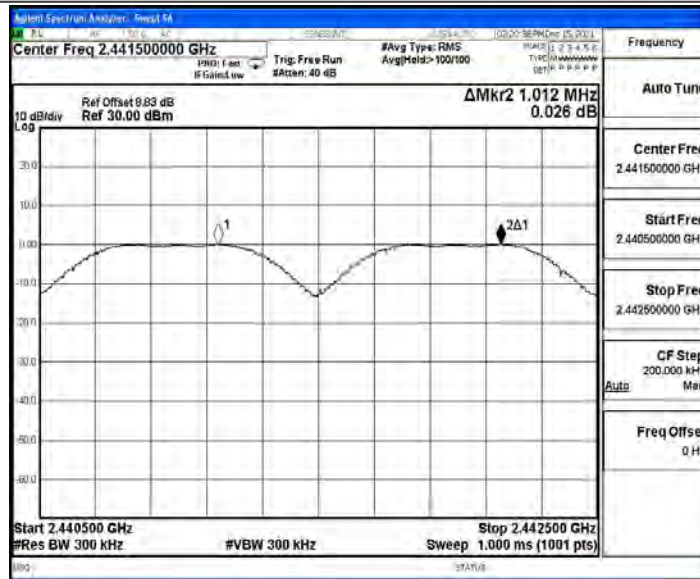
Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.012	≥ 0.692	PASS
2DH5	Ant1	Hop	1.328	≥ 1.323	PASS
3DH5	Ant1	Hop	1.336	≥ 1.308	PASS

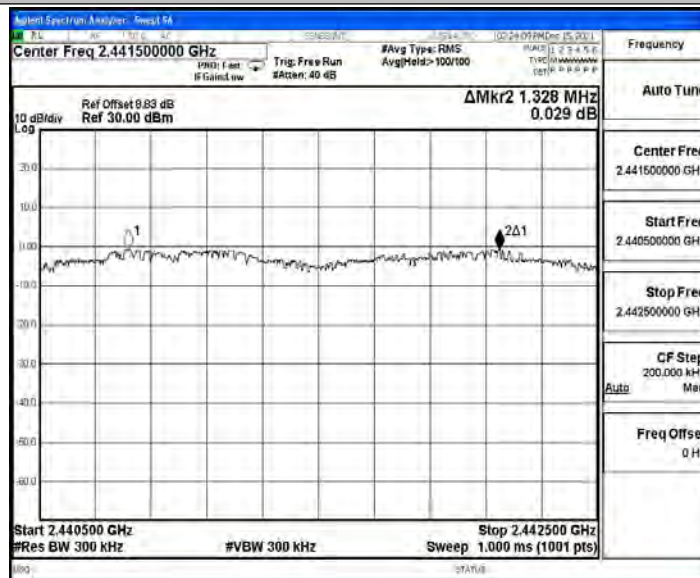


Test Graphs

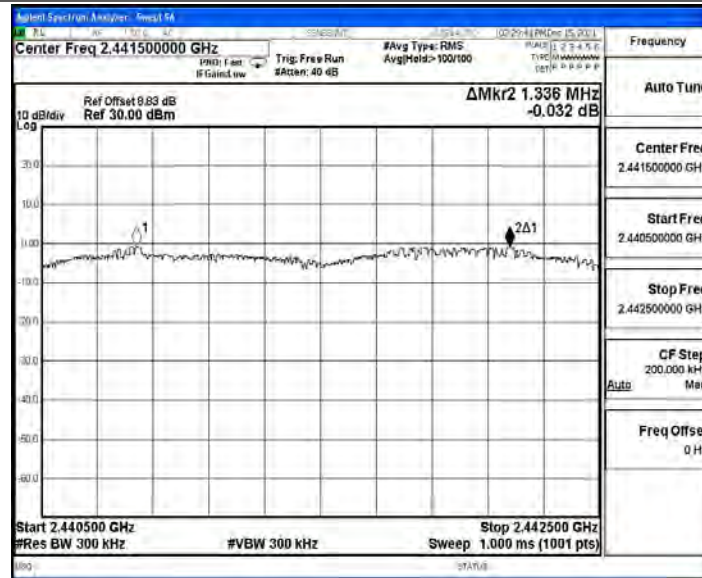
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





A.4 Time of occupancy

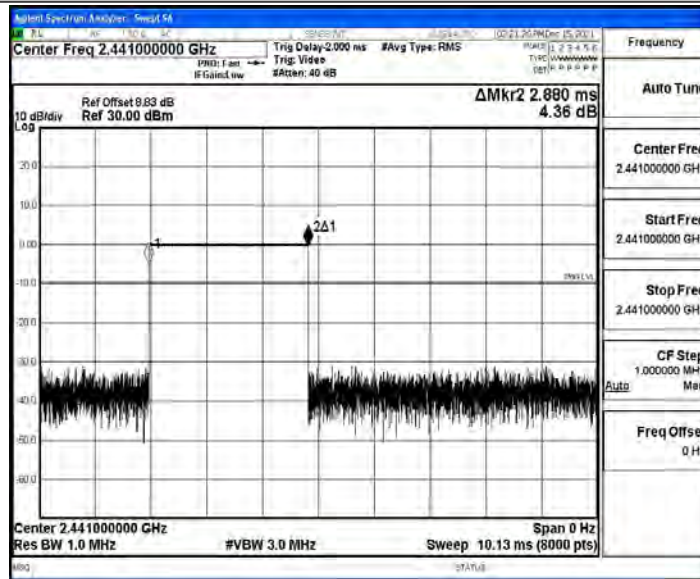
Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.88	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

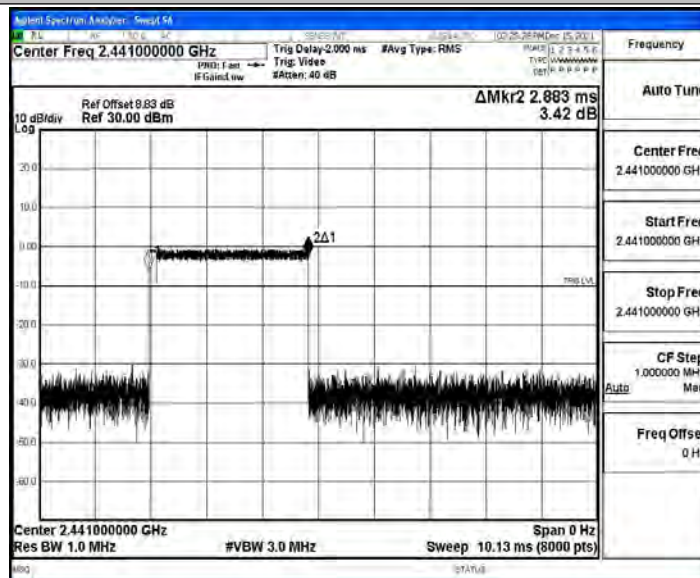


Test Graphs

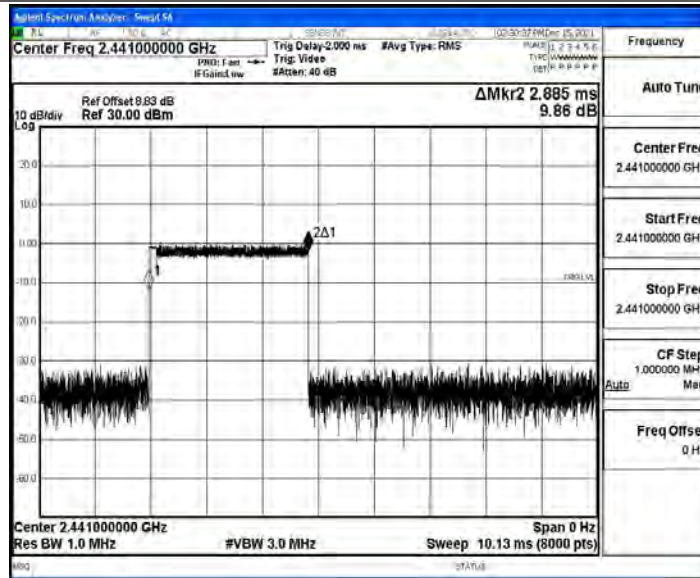
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





A.5 Number of hopping channels

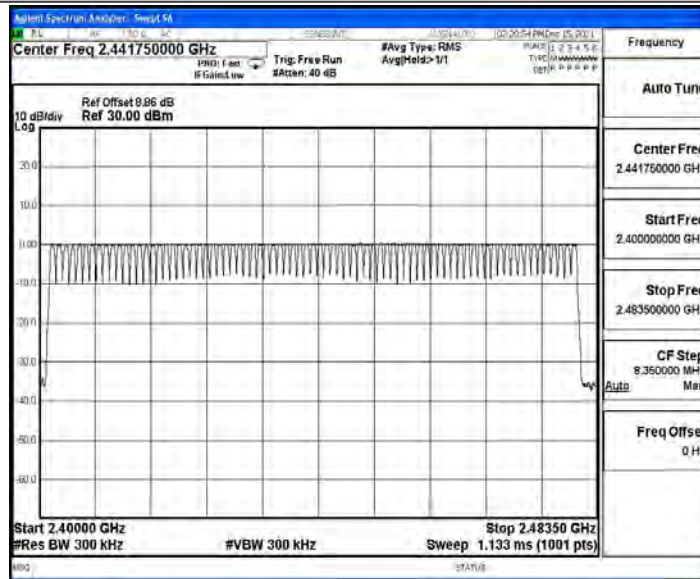
Test Result

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

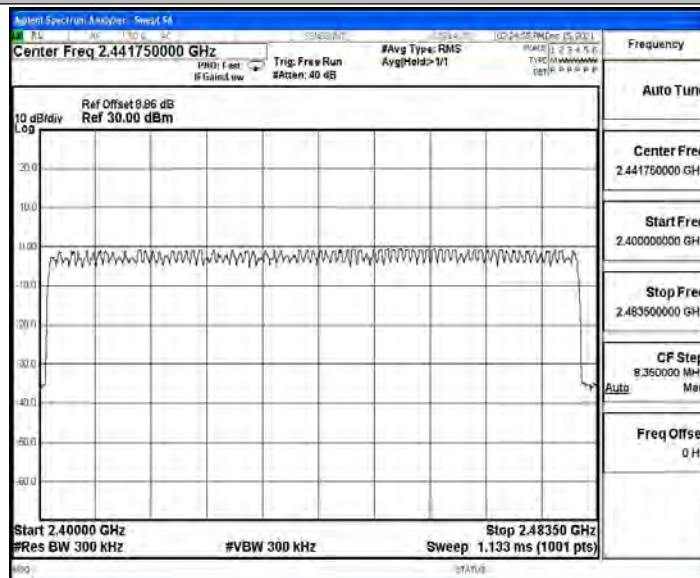


Test Graphs

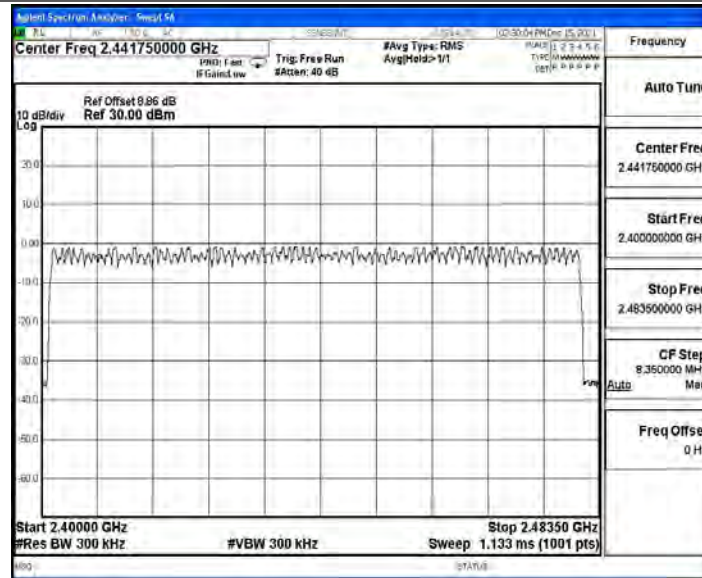
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





A.6 Band edge measurements

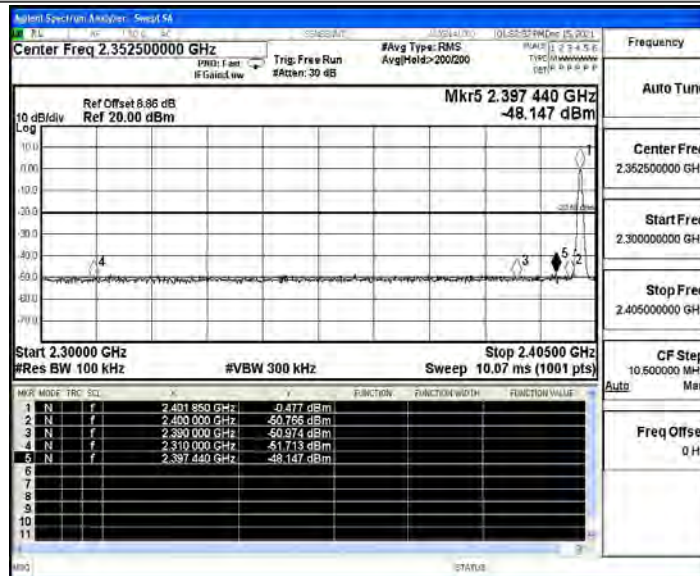
Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.58	-48.15	≤ -20.58	PASS
		High	2480	-0.48	-47.29	≤ -20.48	PASS
		Low	Hop_2402	-1.34	-49.28	≤ -21.34	PASS
		High	Hop_2480	-0.45	-47.59	≤ -20.45	PASS
2DH5	Ant1	Low	2402	-4.64	-47.82	≤ -24.64	PASS
		High	2480	-1.25	-47.39	≤ -21.25	PASS
		Low	Hop_2402	-3.79	-48.86	≤ -23.79	PASS
		High	Hop_2480	-1.51	-47.65	≤ -21.51	PASS
3DH5	Ant1	Low	2402	-1.55	-47.9	≤ -21.55	PASS
		High	2480	-1.22	-47.71	≤ -21.22	PASS
		Low	Hop_2402	-5.54	-48.56	≤ -25.54	PASS
		High	Hop_2480	-1.36	-47.63	≤ -21.36	PASS

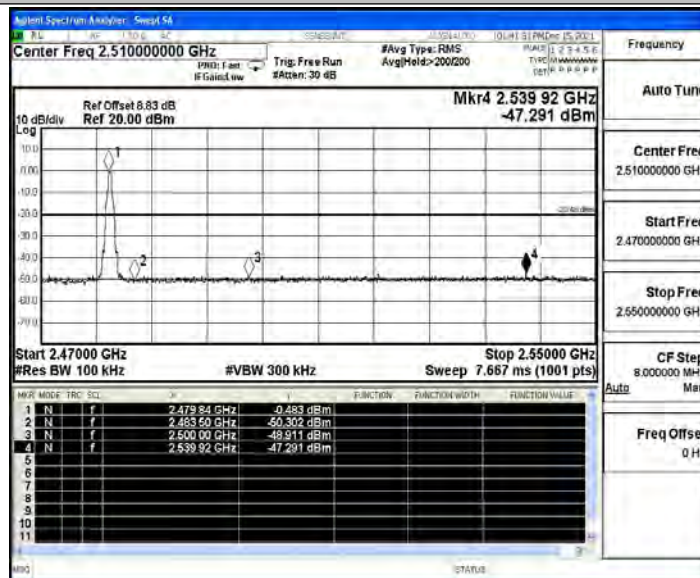


Test Graphs

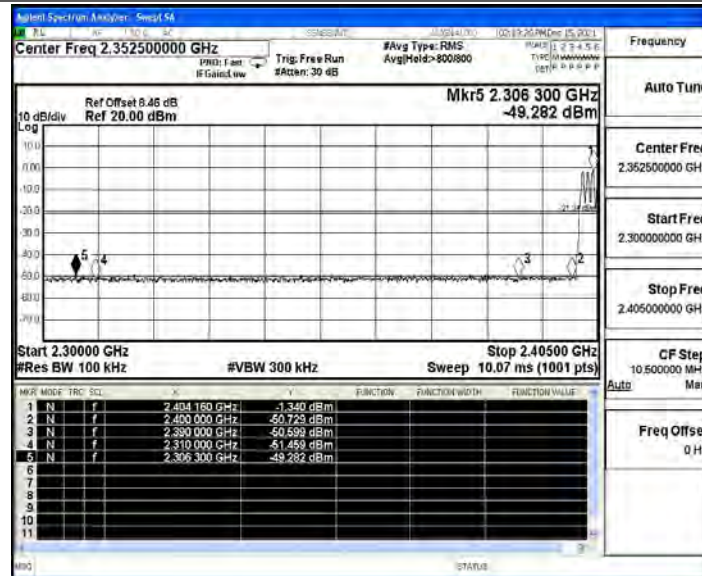
DH5_Ant1_Low_2402



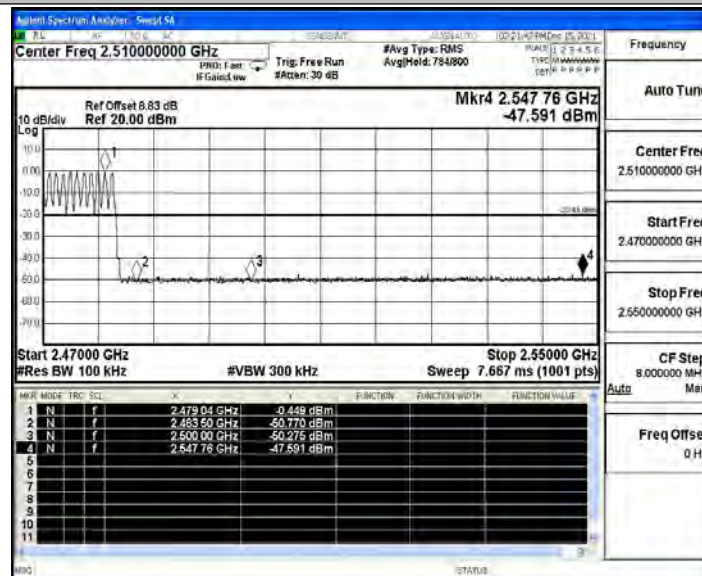
DH5_Ant1_High_2480



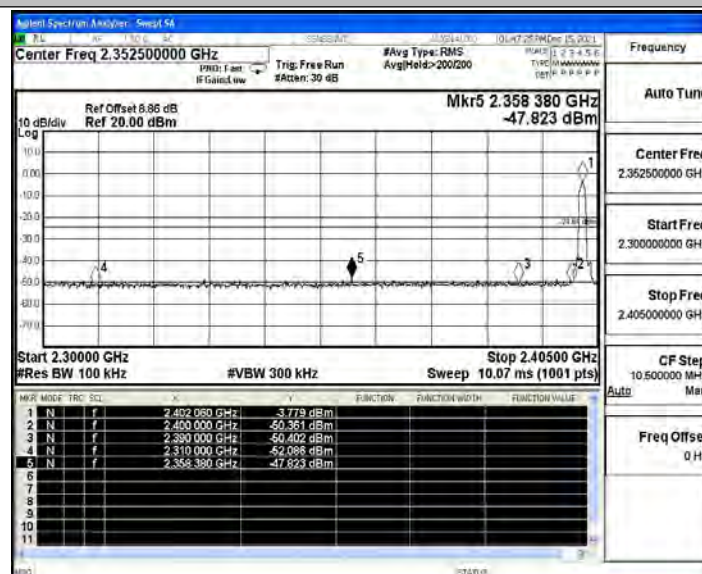
DH5_Ant1_Low_Hop_2402



DH5_Ant1_High_Hop_2480

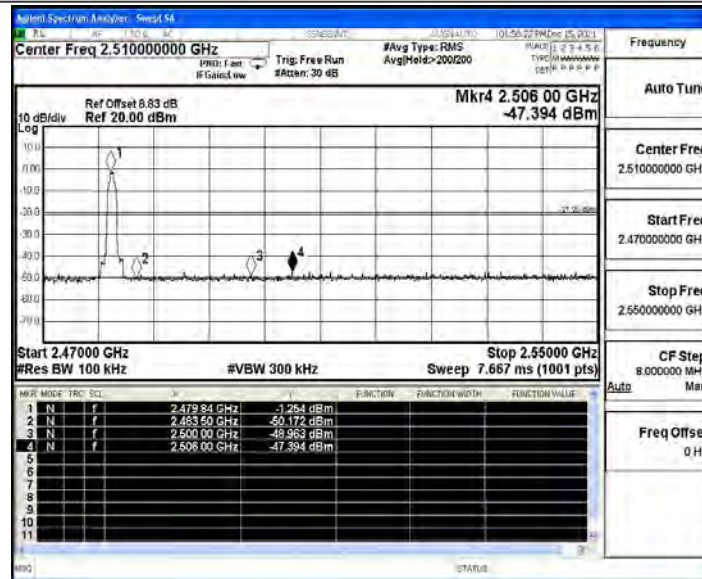


2DH5_Ant1_Low_2402

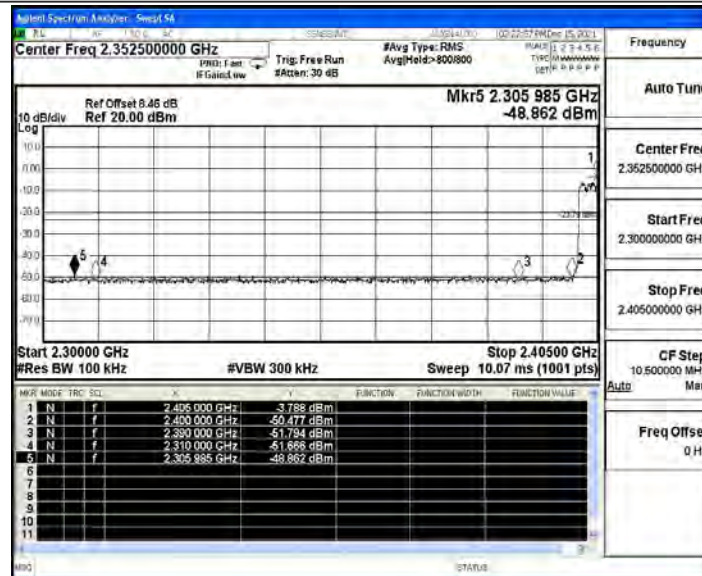




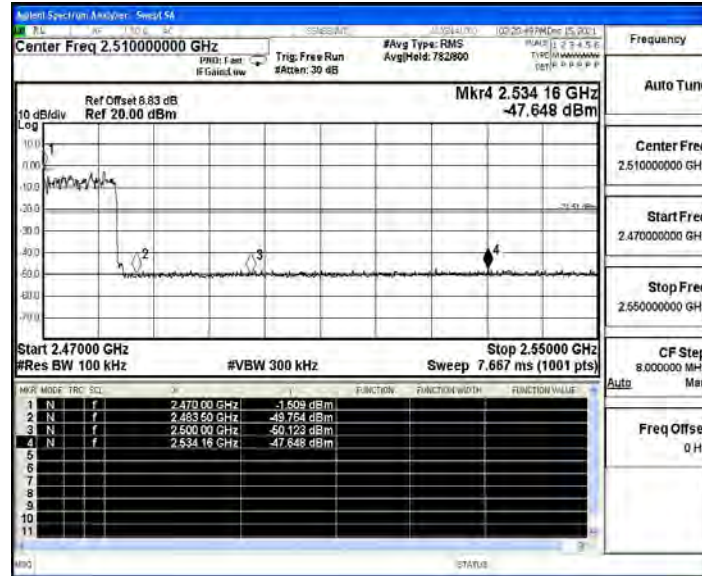
2DH5_Ant1_High_2480



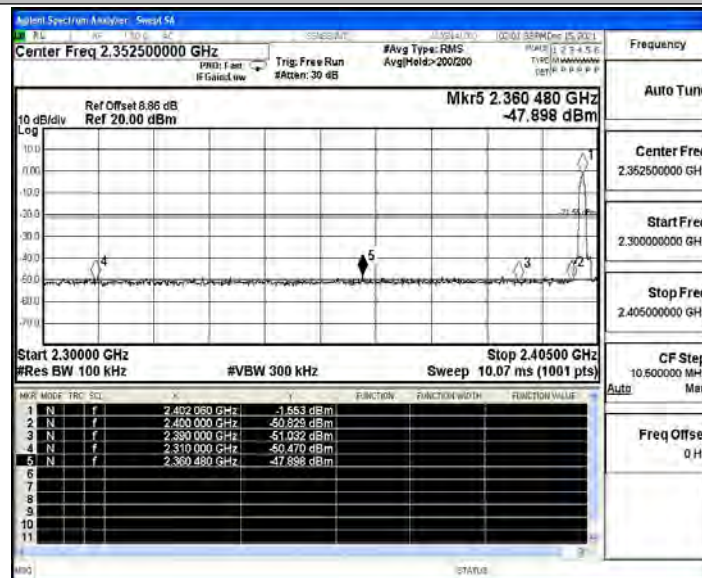
2DH5_Ant1_Low_Hop_2402



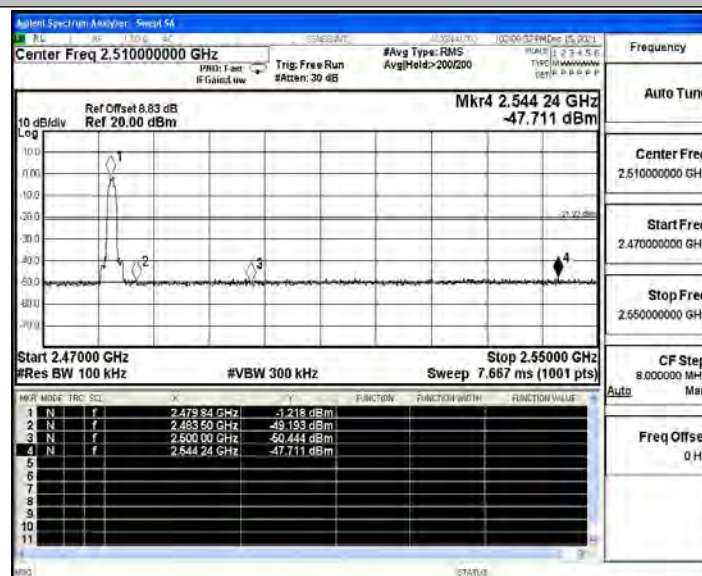
2DH5_Ant1_High_Hop_2480



3DH5_Ant1_Low_2402

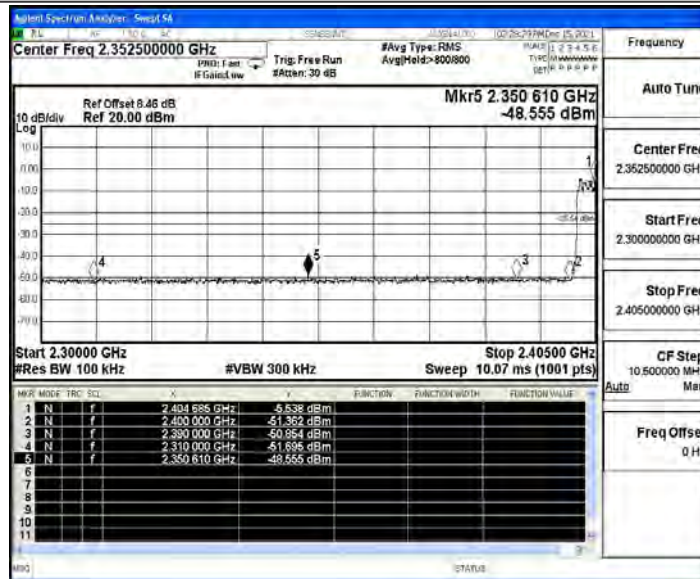


3DH5_Ant1_High_2480

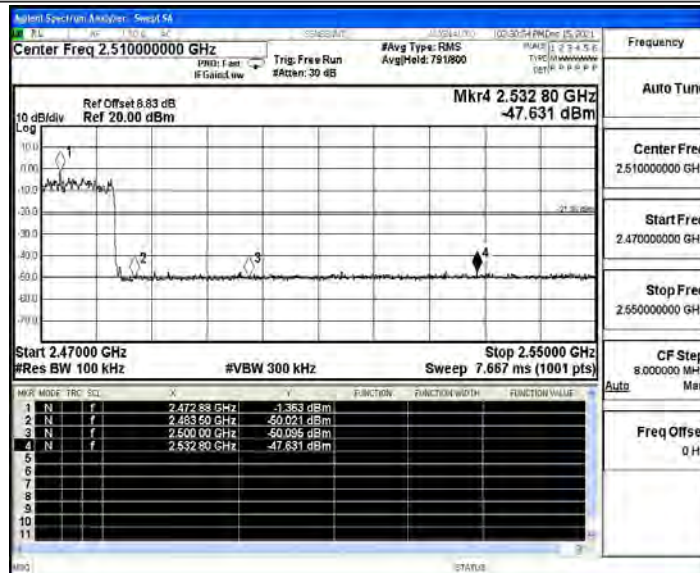




3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480





A.7 Conducted Spurious Emission

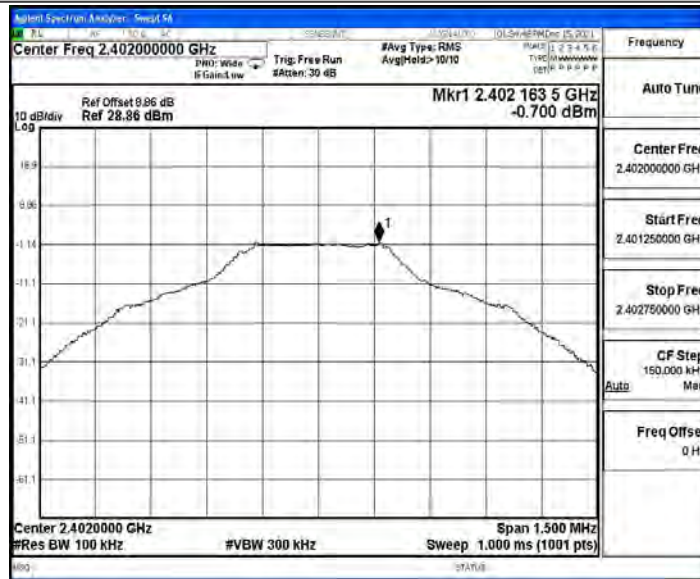
Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.70	-0.70	---	PASS
			30~1000	-0.70	-60.08	≤ -20.7	PASS
			1000~26500	-0.70	-45.85	≤ -20.7	PASS
		2441	Reference	-0.13	-0.13	---	PASS
			30~1000	-0.13	-59.82	≤ -20.13	PASS
			1000~26500	-0.13	-45.88	≤ -20.13	PASS
		2480	Reference	-0.36	-0.36	---	PASS
			30~1000	-0.36	-60.37	≤ -20.36	PASS
			1000~26500	-0.36	-44.78	≤ -20.36	PASS
2DH5	Ant1	2402	Reference	-1.94	-1.94	---	PASS
			30~1000	-1.94	-60.37	≤ -21.94	PASS
			1000~26500	-1.94	-45.81	≤ -21.94	PASS
		2441	Reference	-1.19	-1.19	---	PASS
			30~1000	-1.19	-59.97	≤ -21.19	PASS
			1000~26500	-1.19	-45.69	≤ -21.19	PASS
		2480	Reference	-1.53	-1.53	---	PASS
			30~1000	-1.53	-47.6	≤ -21.53	PASS
			1000~26500	-1.53	-45.85	≤ -21.53	PASS
3DH5	Ant1	2402	Reference	-1.47	-1.47	---	PASS
			30~1000	-1.47	-42.66	≤ -21.47	PASS
			1000~26500	-1.47	-45.97	≤ -21.47	PASS
		2441	Reference	-1.14	-1.14	---	PASS
			30~1000	-1.14	-59.8	≤ -21.14	PASS
			1000~26500	-1.14	-45.99	≤ -21.14	PASS
		2480	Reference	-1.29	-1.29	---	PASS
			30~1000	-1.29	-42.23	≤ -21.29	PASS
			1000~26500	-1.29	-40.19	≤ -21.29	PASS

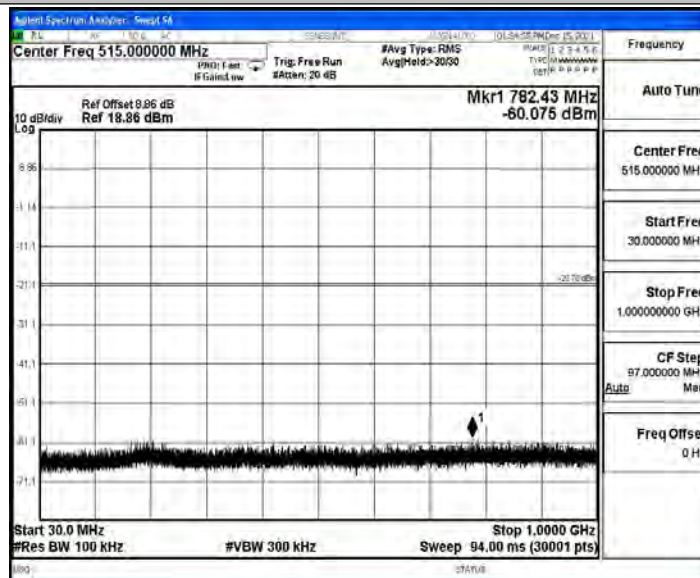


Test Graphs

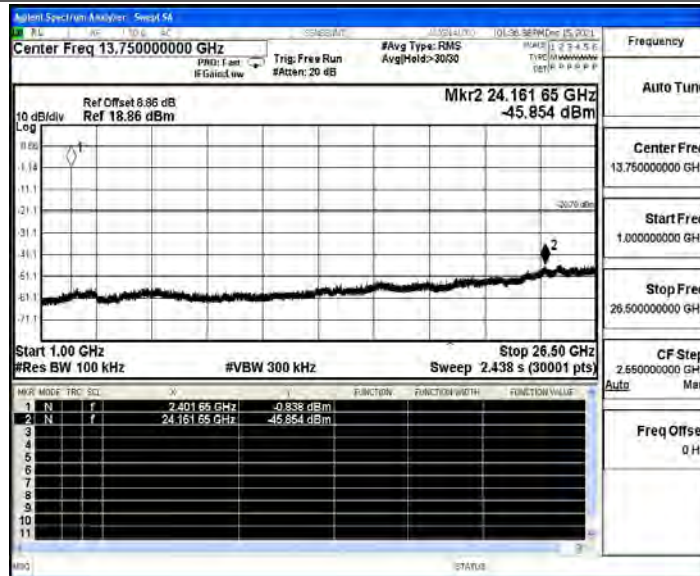
DH5_Ant1_2402_0~Reference



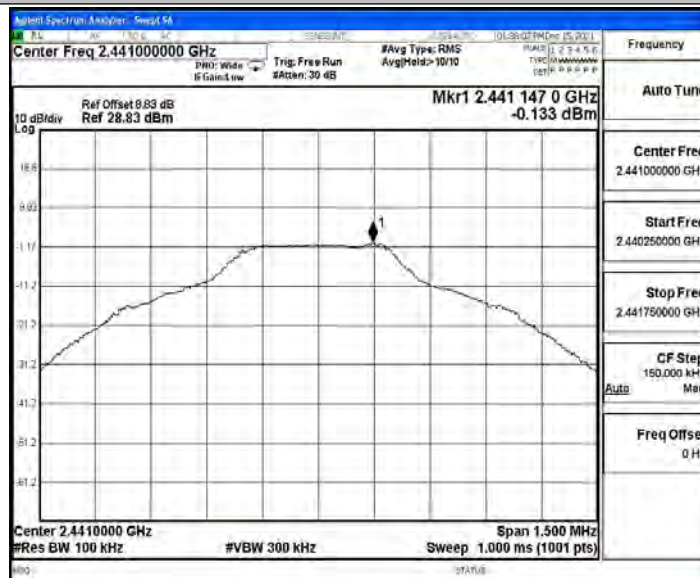
DH5_Ant1_2402_30~1000



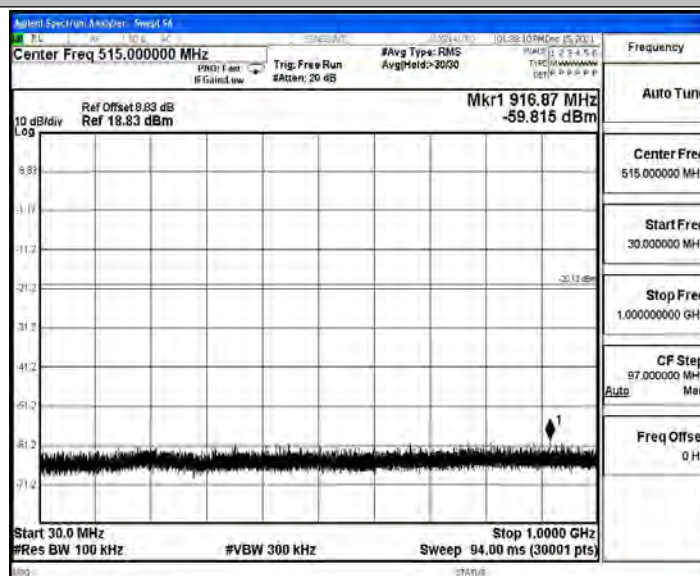
DH5_Ant1_2402_1000~26500



DH5_Ant1_2441_0~Reference

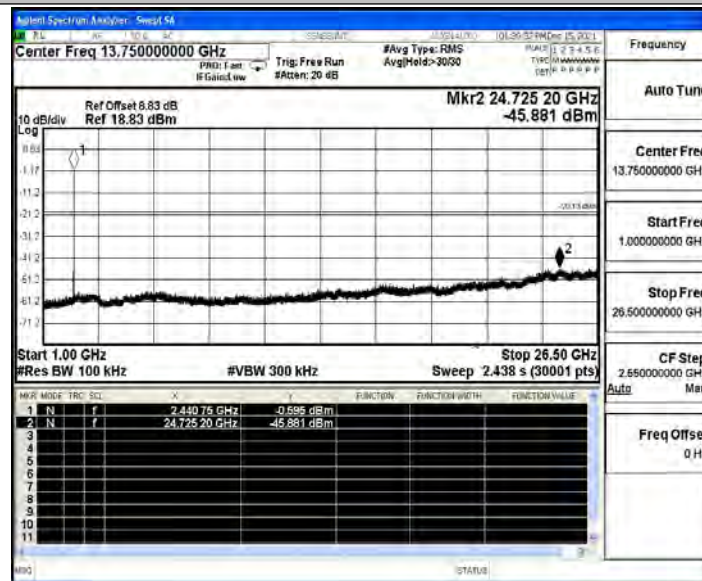


DH5_Ant1_2441_30~1000

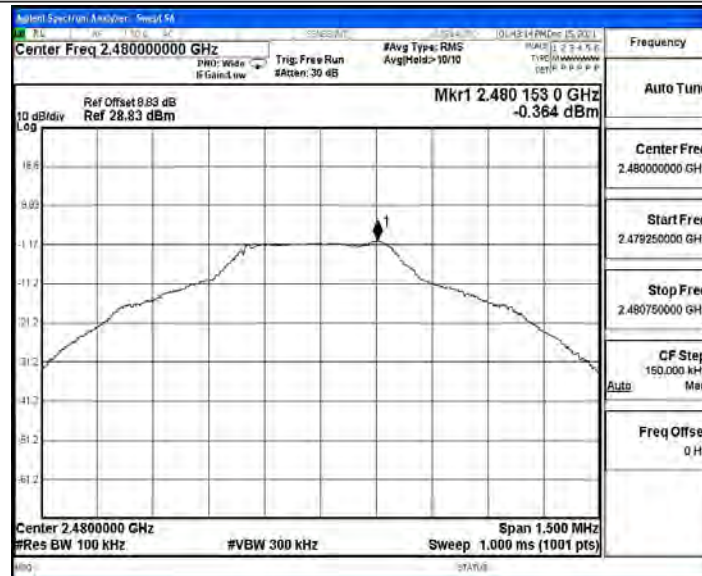




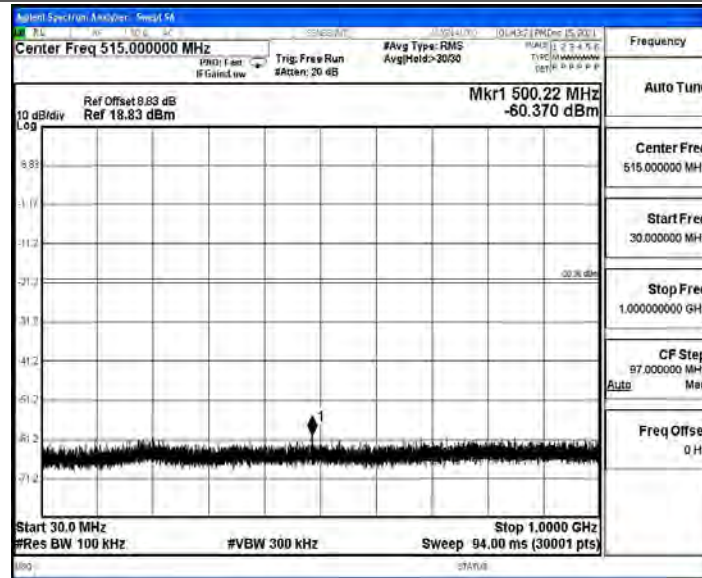
DH5_Ant1_2441_1000~26500



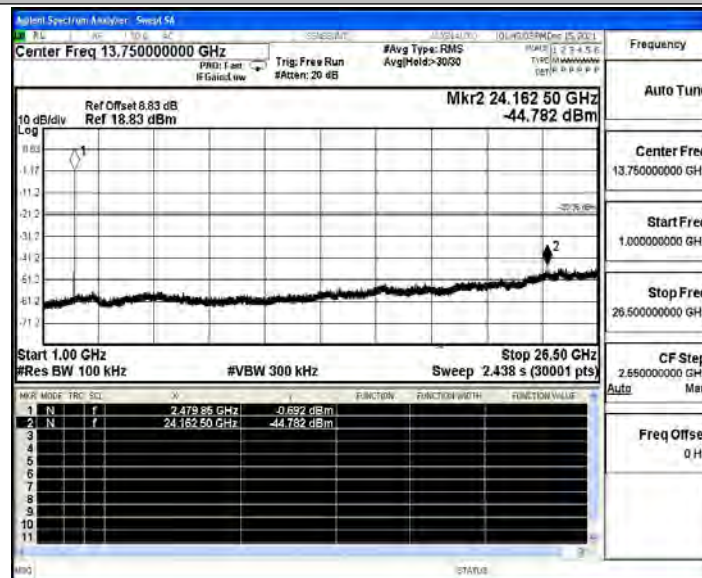
DH5_Ant1_2480_0~Reference



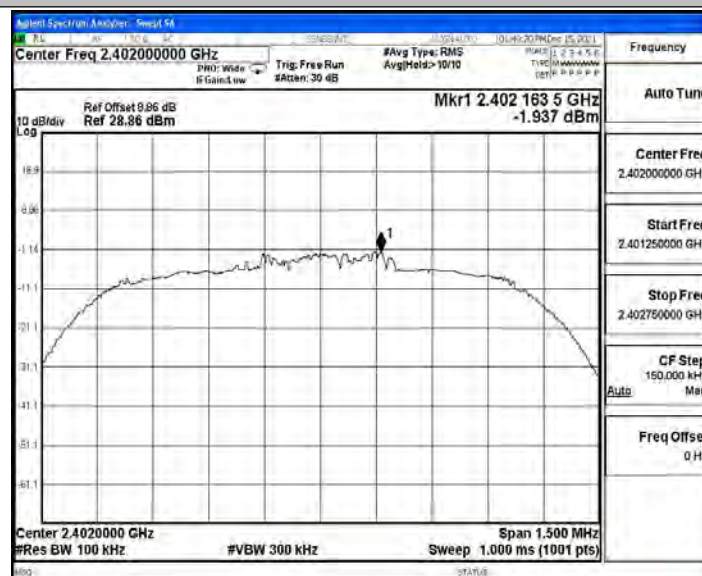
DH5_Ant1_2480_30~1000



DH5_Ant1_2480_1000~26500

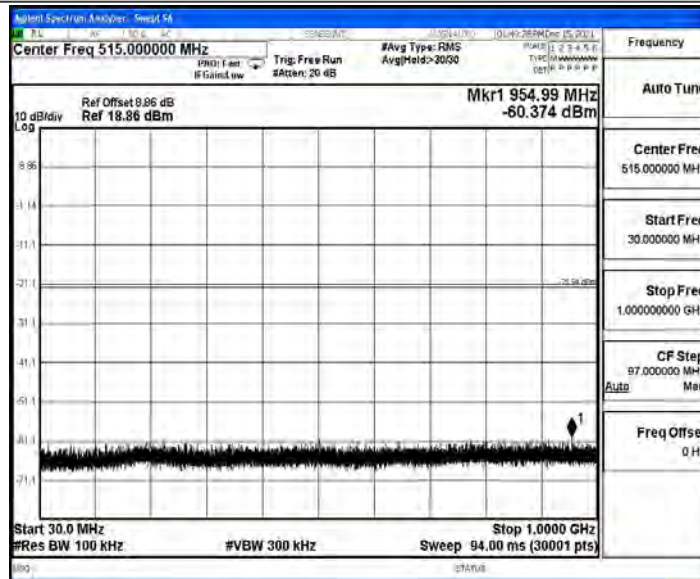


2DH5_Ant1_2402_0~Reference

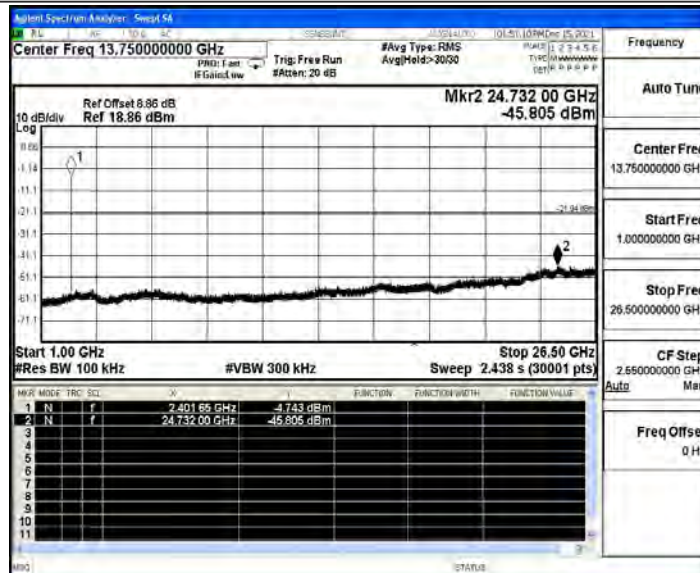




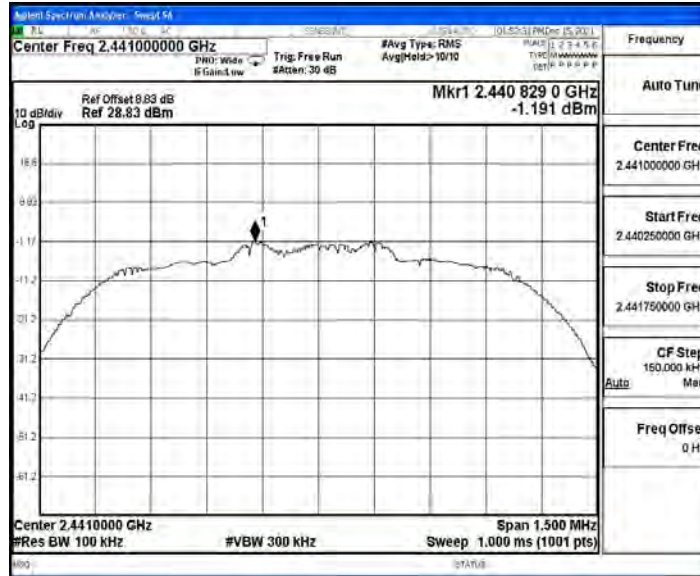
2DH5_Ant1_2402_30~1000



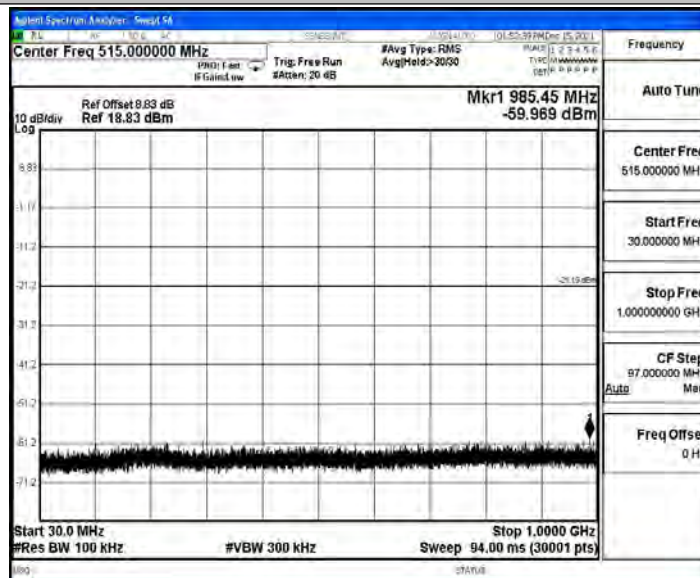
2DH5_Ant1_2402_1000~26500



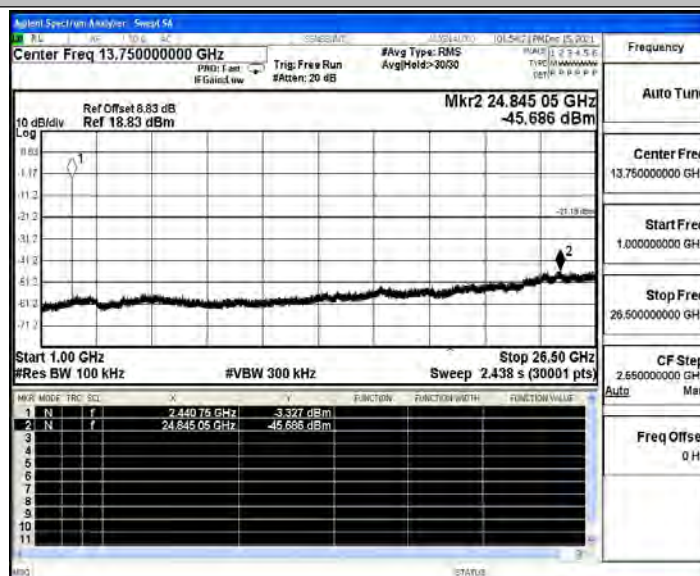
2DH5_Ant1_2441_0~Reference



2DH5_Ant1_2441_30~1000

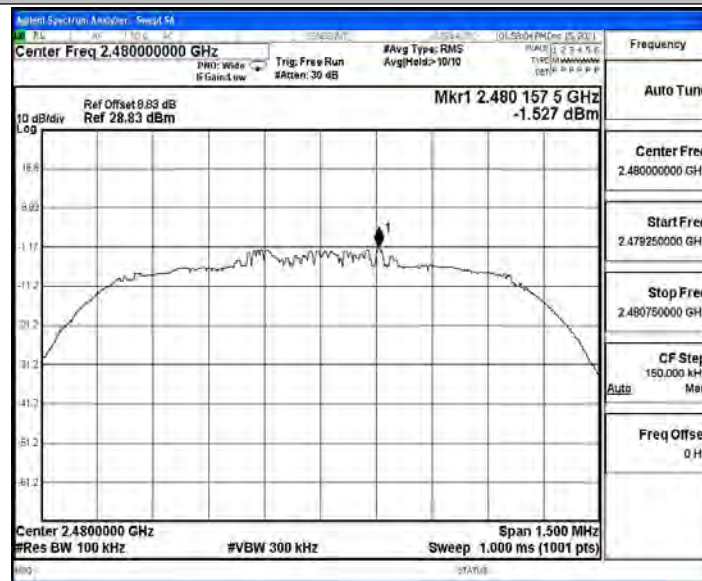


2DH5_Ant1_2441_1000~26500

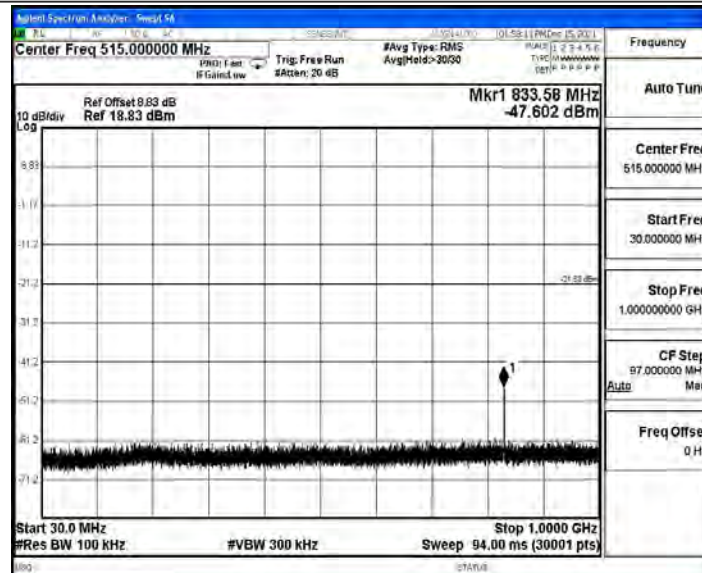




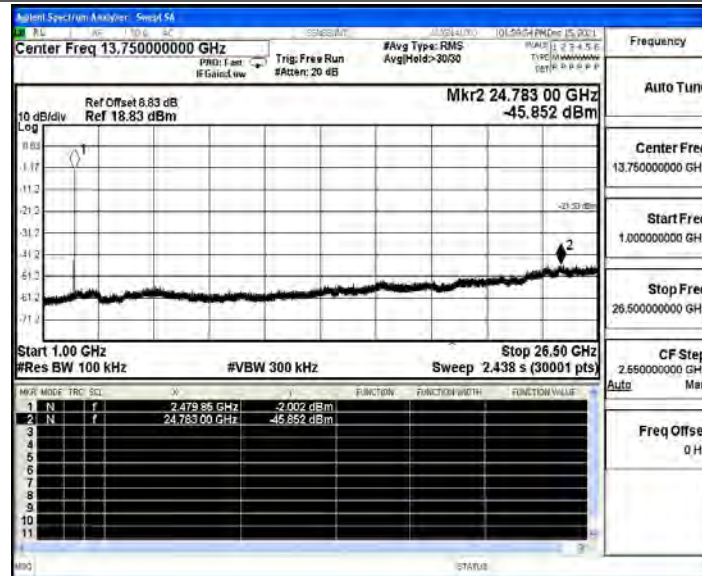
2DH5_Ant1_2480_0~Reference



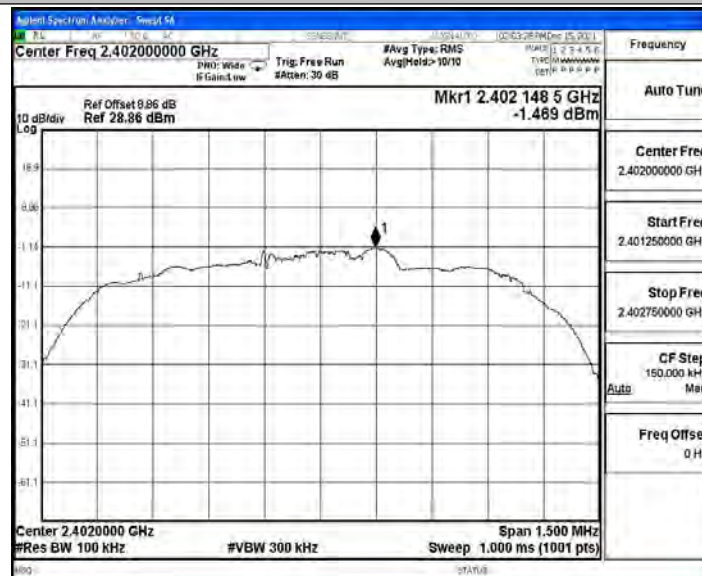
2DH5_Ant1_2480_30~1000



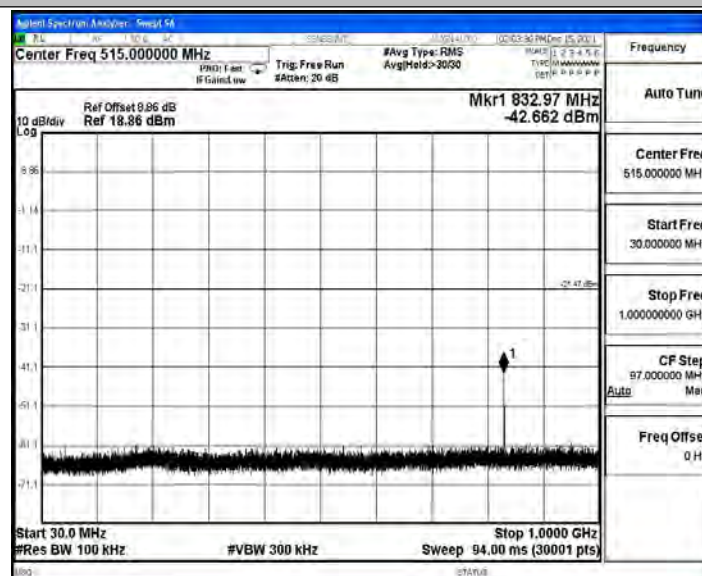
2DH5_Ant1_2480_1000~26500



3DH5_Ant1_2402_0~Reference

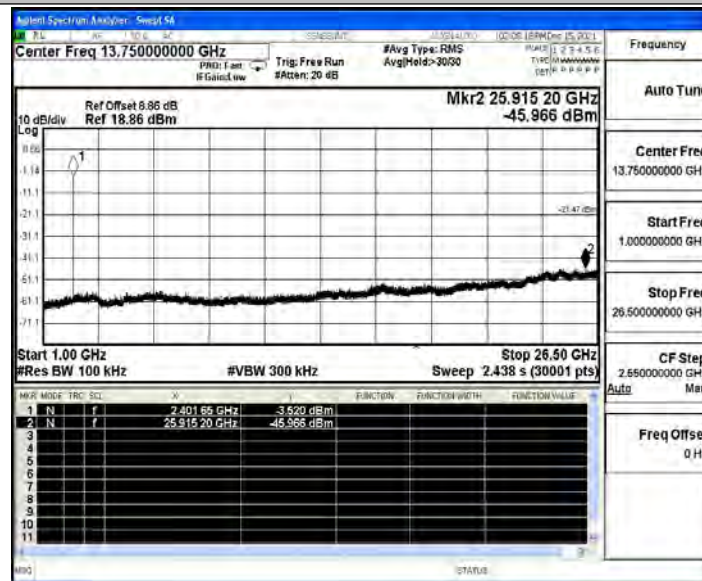


3DH5_Ant1_2402_30~1000

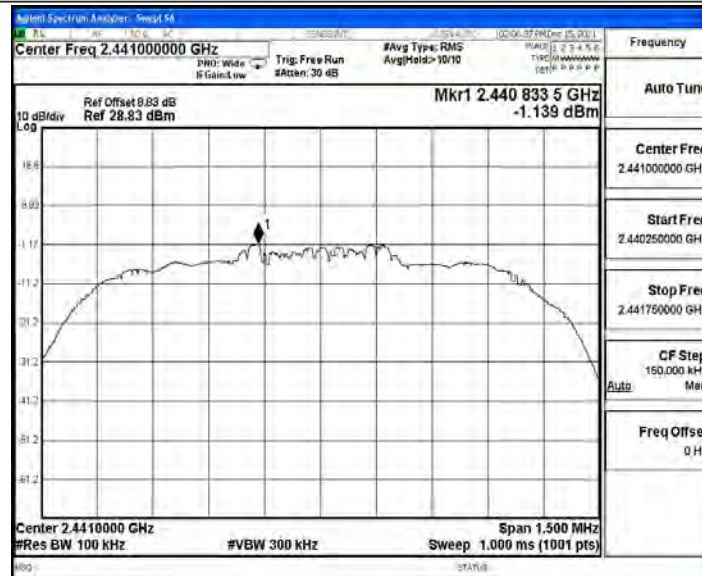




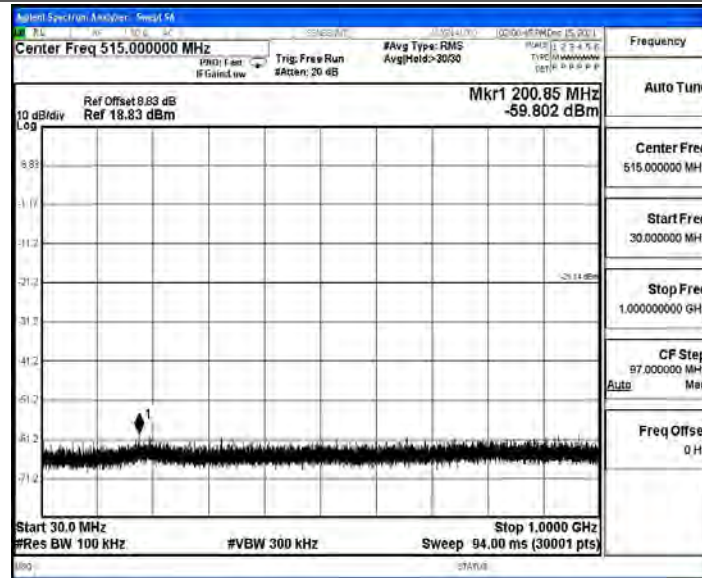
3DH5_Ant1_2402_1000~26500



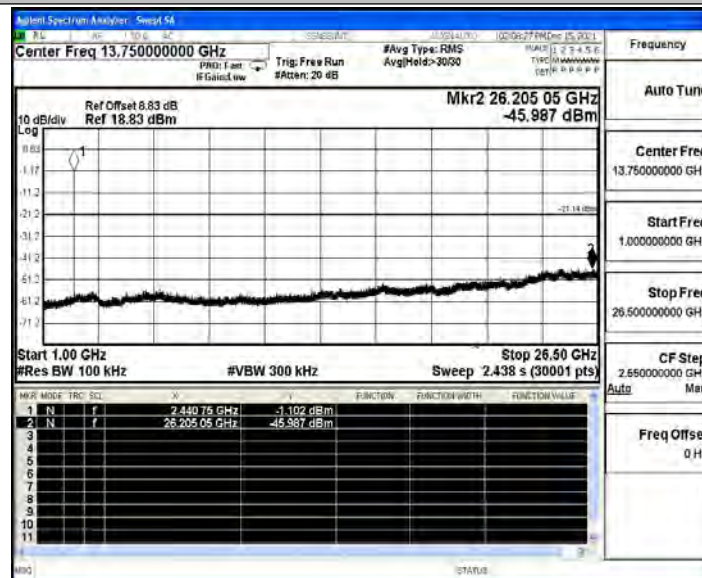
3DH5_Ant1_2441_0~Reference



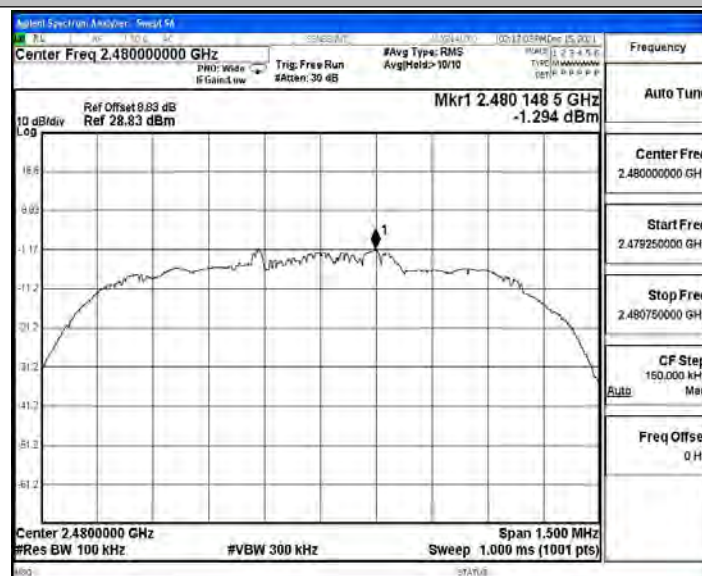
3DH5_Ant1_2441_30~1000



3DH5_Ant1_2441_1000~26500

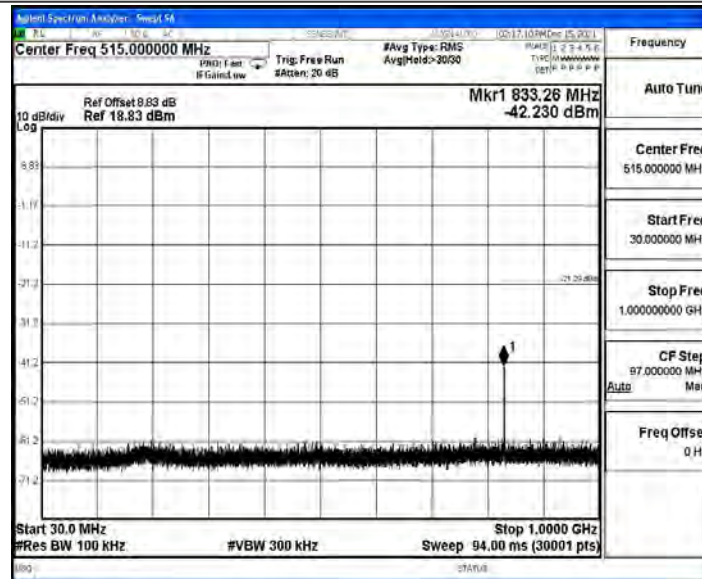


3DH5_Ant1_2480_0~Reference

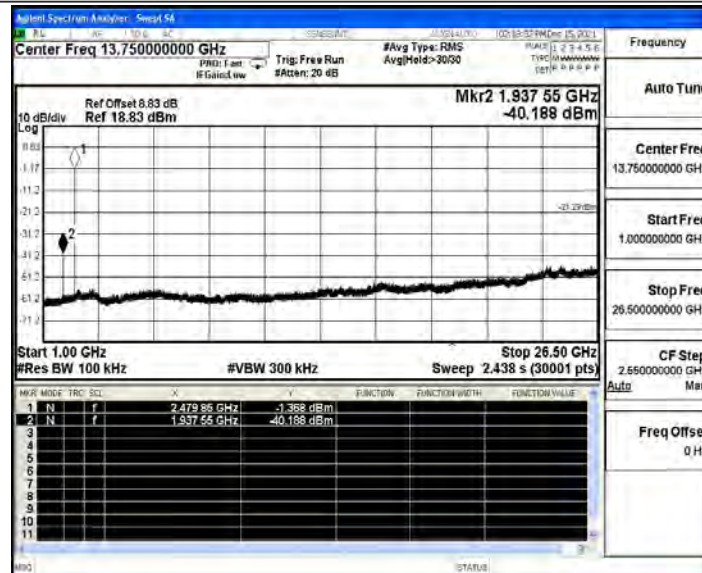




3DH5_Ant1_2480_30~1000



3DH5_Ant1_2480_1000~26500





A.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	-47.87	≤-41.20	47.33	≤54	PASS
				AV	2388.620	-47.42	≤-41.20	47.78	≤54	PASS
				AV	2390.000	-47.57	≤-41.20	47.63	≤54	PASS
				Peak	2310.000	-38.54	≤-21.20	56.66	≤74	PASS
				Peak	2362.160	-36.02	≤-21.20	59.18	≤74	PASS
				Peak	2390.000	-37.85	≤-21.20	57.35	≤74	PASS
		High	2480	AV	2483.500	-47.02	≤-41.20	48.18	≤54	PASS
				AV	2499.600	-46.8	≤-41.20	48.40	≤54	PASS
				AV	2500.000	-47.02	≤-41.20	48.18	≤54	PASS
				Peak	2483.500	-38.23	≤-21.20	56.97	≤74	PASS
				Peak	2487.600	-36.06	≤-21.20	59.14	≤74	PASS
				Peak	2500.000	-37.26	≤-21.20	57.94	≤74	PASS
		Low	Hop_24 02	Peak	2310.000	-39.09	≤-21.20	56.11	≤74	PASS
				Peak	2362.580	-36.92	≤-21.20	58.28	≤74	PASS
				Peak	2390.000	-38.57	≤-21.20	56.63	≤74	PASS
		High	Hop_24 80	Peak	2483.500	-37.51	≤-21.20	57.69	≤74	PASS
				Peak	2493.760	-36.09	≤-21.20	59.11	≤74	PASS
				Peak	2500.000	-37.74	≤-21.20	57.46	≤74	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-47.88	≤-41.20	47.32	≤54	PASS
				AV	2385.995	-47.4	≤-41.20	47.80	≤54	PASS
				AV	2390.000	-47.56	≤-41.20	47.64	≤54	PASS
				Peak	2310.000	-38.37	≤-21.20	56.83	≤74	PASS
				Peak	2321.945	-36.49	≤-21.20	58.71	≤74	PASS
				Peak	2390.000	-38.31	≤-21.20	56.89	≤74	PASS
		High	2480	AV	2483.500	-46.86	≤-41.20	48.34	≤54	PASS
				AV	2494.640	-46.81	≤-41.20	48.39	≤54	PASS
				AV	2500.000	-46.96	≤-41.20	48.24	≤54	PASS
				Peak	2483.500	-38.09	≤-21.20	57.11	≤74	PASS
				Peak	2489.200	-35.67	≤-21.20	59.53	≤74	PASS
				Peak	2500.000	-37.11	≤-21.20	58.09	≤74	PASS
		Low	Hop_24 02	Peak	2310.000	-38.96	≤-21.20	56.24	≤74	PASS
				Peak	2388.725	-36.64	≤-21.20	58.56	≤74	PASS
				Peak	2390.000	-38.06	≤-21.20	57.14	≤74	PASS
		High	Hop_24 80	Peak	2483.500	-37.43	≤-21.20	57.77	≤74	PASS
				Peak	2491.760	-36.12	≤-21.20	59.08	≤74	PASS
				Peak	2500.000	-38.04	≤-21.20	57.16	≤74	PASS
3DH5	Ant1	Low	2402	AV	2310.000	-47.85	≤-41.20	47.35	≤54	PASS



				AV	2389.565	-47.34	≤-41.20	47.86	≤54	PASS
				AV	2390.000	-47.51	≤-41.20	47.69	≤54	PASS
				Peak	2310.000	-37.15	≤-21.20	58.05	≤74	PASS
				Peak	2374.760	-35.93	≤-21.20	59.27	≤74	PASS
				Peak	2390.000	-37.98	≤-21.20	57.22	≤74	PASS
		High	2480	AV	2483.500	-46.89	≤-41.20	48.31	≤54	PASS
				AV	2499.600	-46.74	≤-41.20	48.46	≤54	PASS
				AV	2500.000	-46.91	≤-41.20	48.29	≤54	PASS
				Peak	2483.500	-37.67	≤-21.20	57.53	≤74	PASS
				Peak	2487.200	-35.23	≤-21.20	59.97	≤74	PASS
				Peak	2500.000	-37.56	≤-21.20	57.64	≤74	PASS
		Low	Hop_24 02	Peak	2310.000	-39.22	≤-21.20	55.98	≤74	PASS
				Peak	2346.725	-36.37	≤-21.20	58.83	≤74	PASS
				Peak	2390.000	-38.56	≤-21.20	56.64	≤74	PASS
		High	Hop_24 80	Peak	2483.500	-38.29	≤-21.20	56.91	≤74	PASS
				Peak	2497.120	-36.08	≤-21.20	59.12	≤74	PASS
				Peak	2500.000	-37.11	≤-21.20	58.09	≤74	PASS

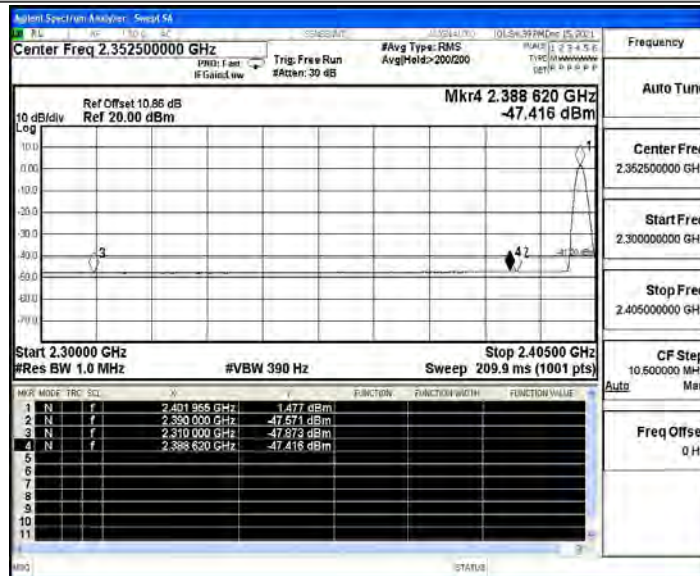
Note:

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.

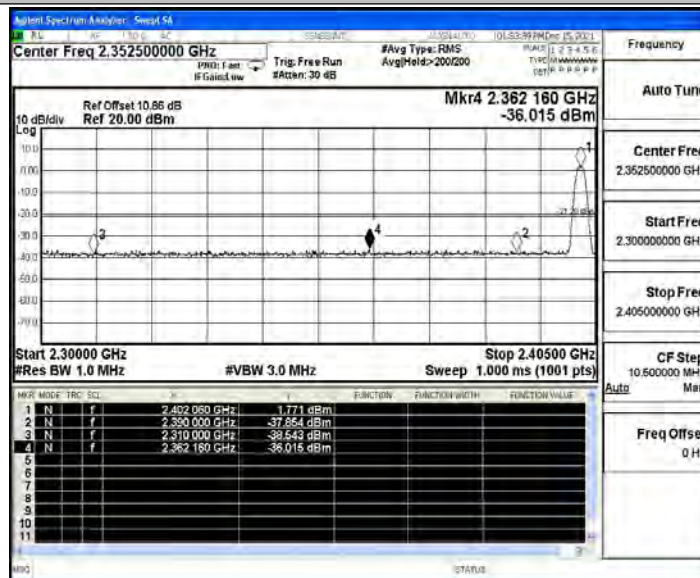


Test Graphs

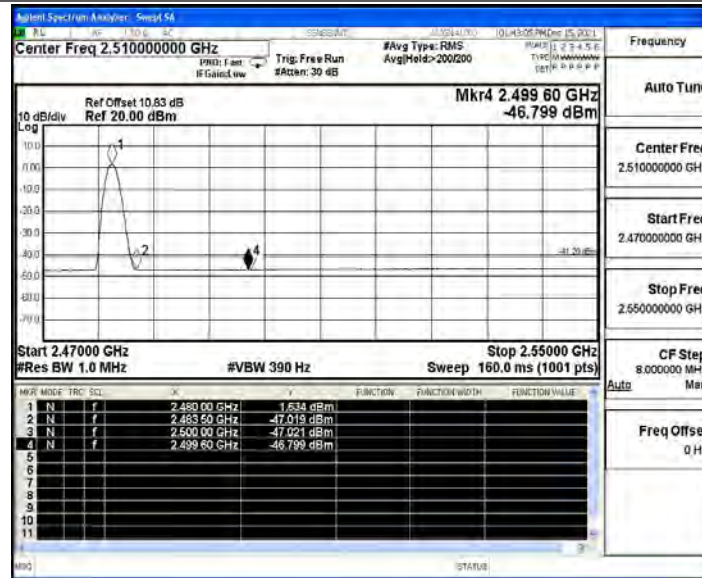
DH5_Ant1_Low_2402_AV



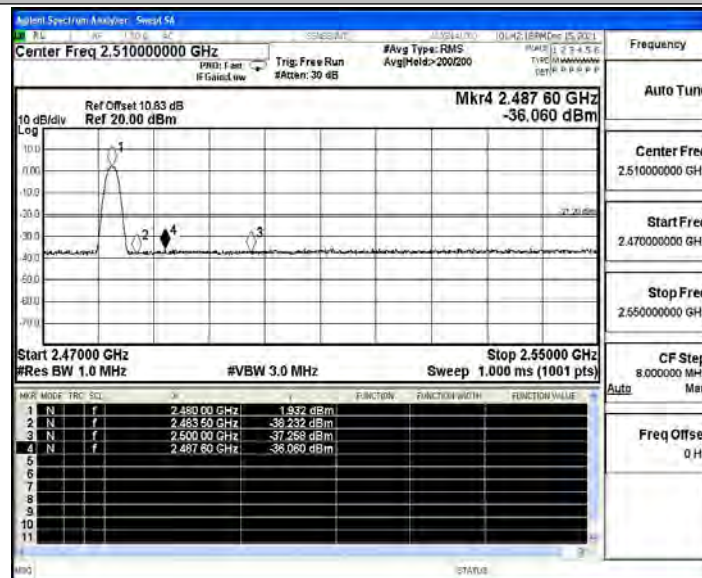
DH5_Ant1_Low_2402_Peak



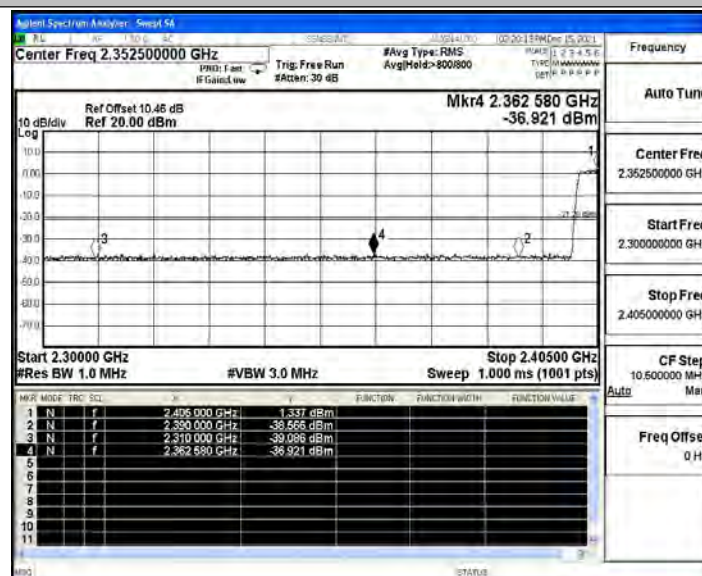
DH5_Ant1_High_2480_AV



DH5_Ant1_High_2480_Peak

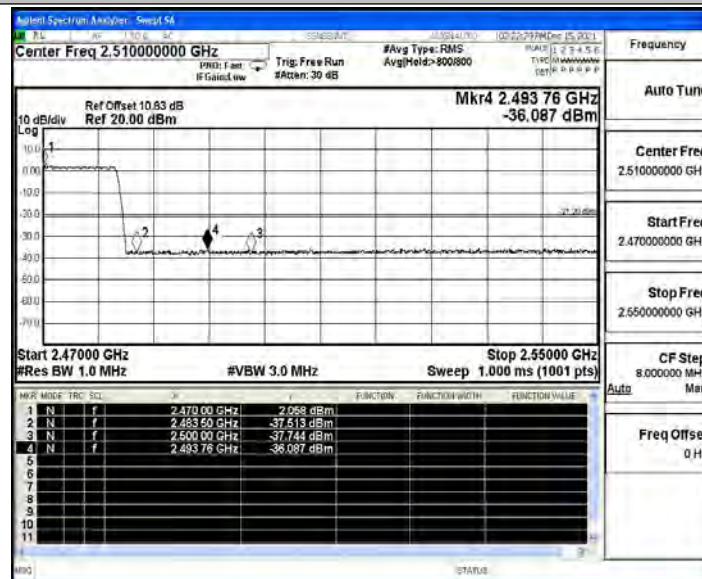


DH5_Ant1_Low_Hop_2402_Peak

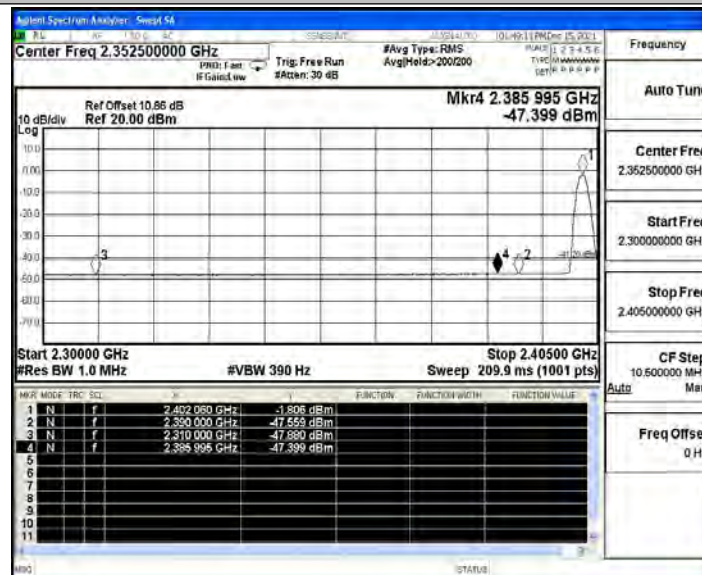




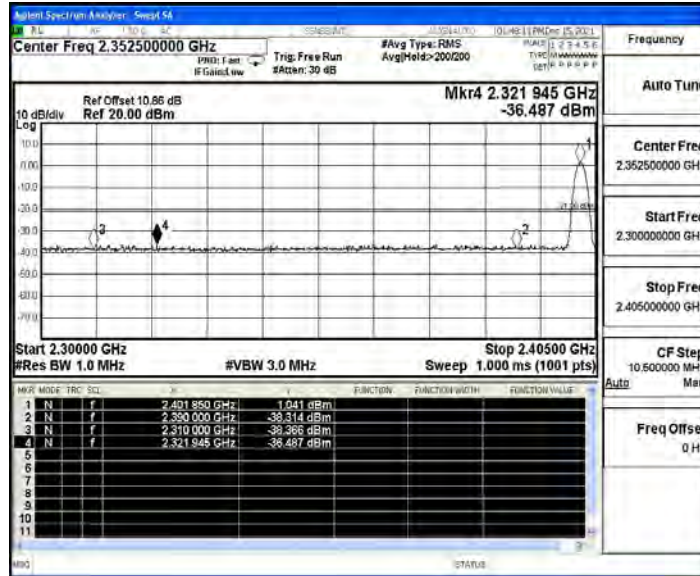
DH5_Ant1_High_Hop_2480_Peak



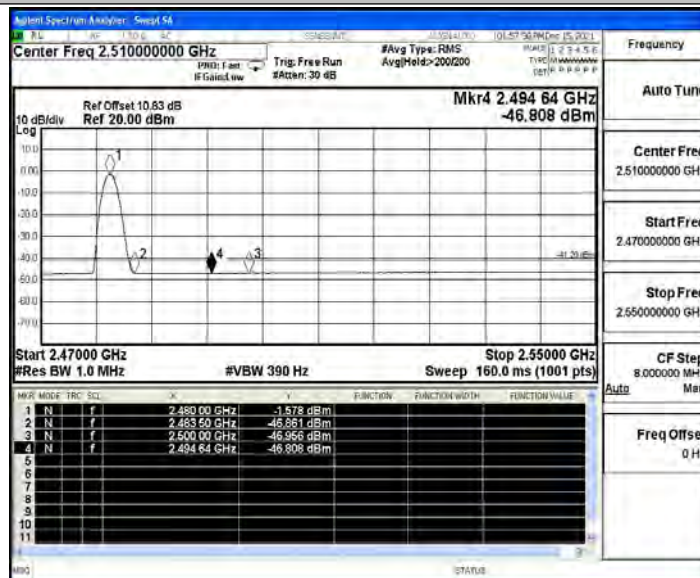
2DH5_Ant1_Low_2402_AV



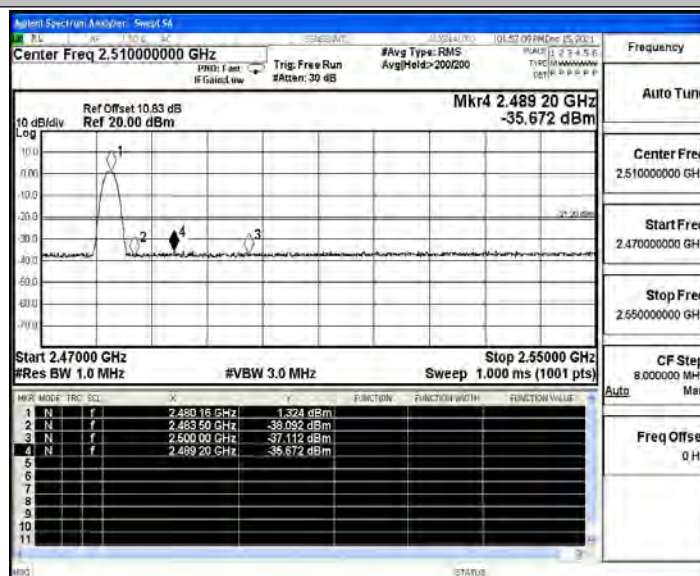
2DH5_Ant1_Low_2402_Peak



2DH5_Ant1_High_2480_AV

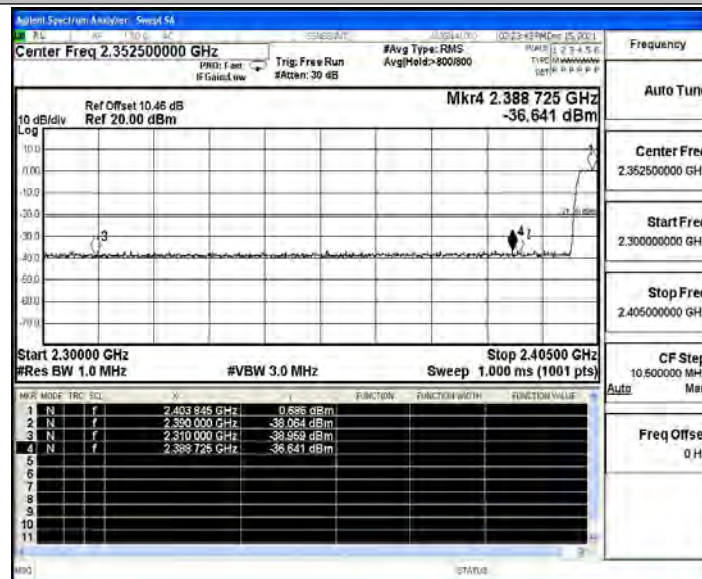


2DH5_Ant1_High_2480_Peak

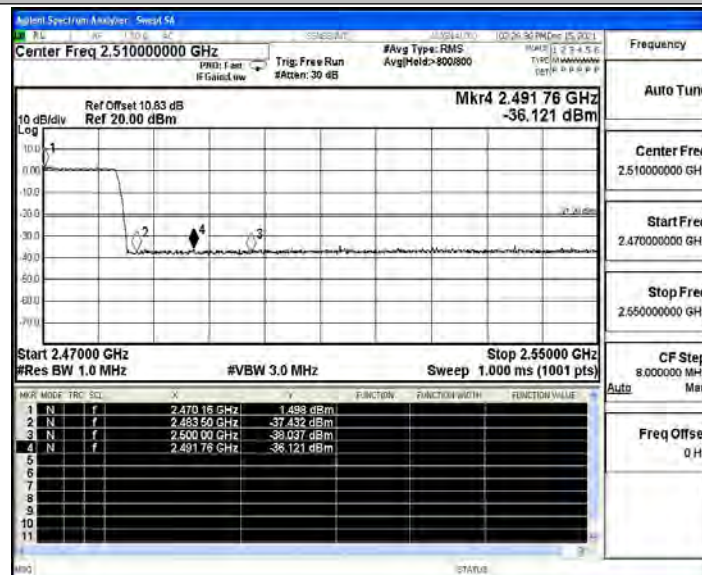




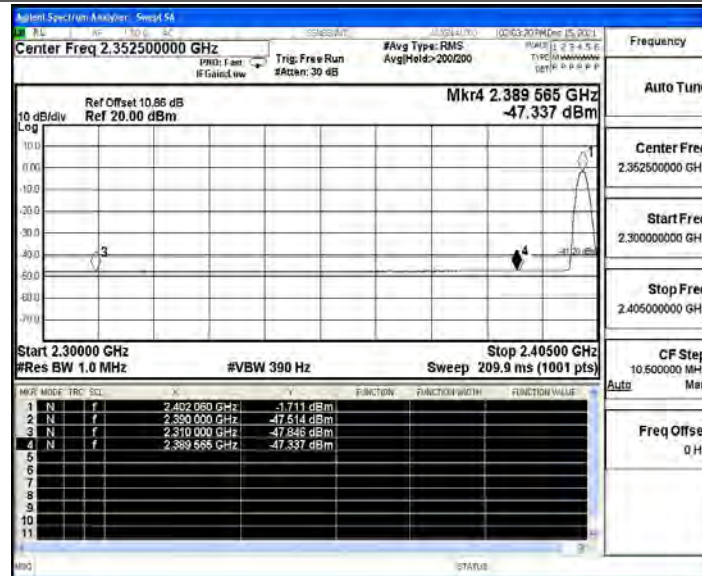
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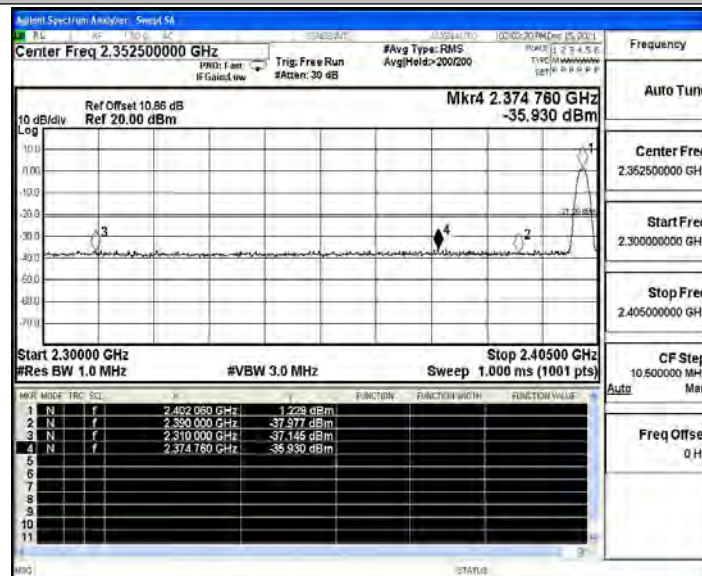
2DH5_Ant1_High_Hop_2480_Peak



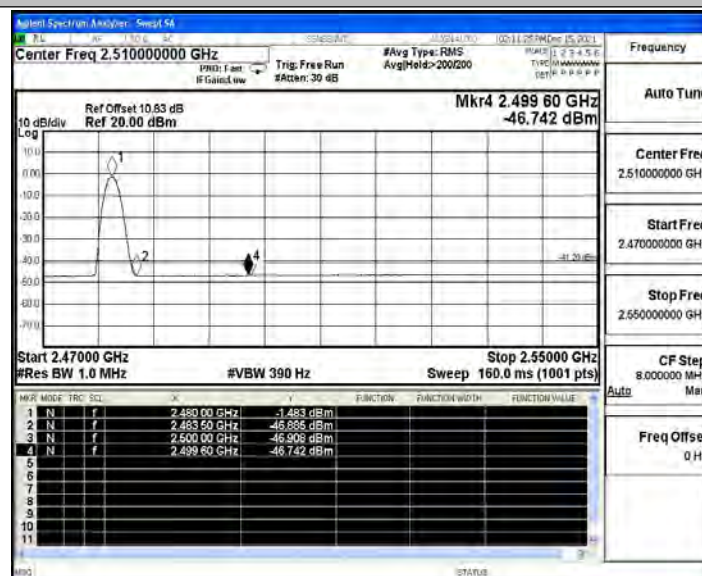
3DH5_Ant1_Low_2402_AV



3DH5_Ant1_Low_2402_Peak

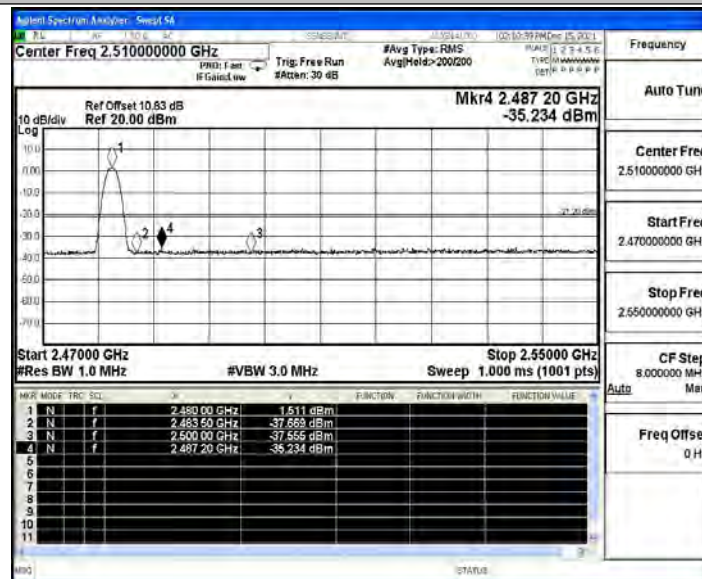


3DH5_Ant1_High_2480_AV

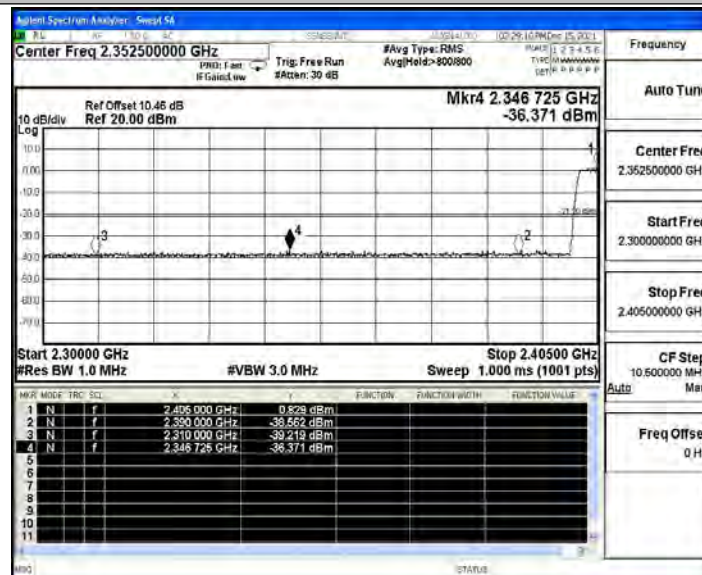




3DH5_Ant1_High_2480_Peak



3DH5_Ant1_Low_Hop_2402_Peak



3DH5_Ant1_High_Hop_2480_Peak

