



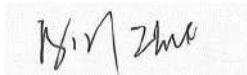
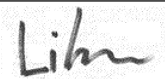
Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Smart TV Box

Test Model: T95PLUS

Environmental Conditions

Temperature:	22.8° C
Relative Humidity:	53.5%
ATM Pressure:	100.0 kPa
Test Engineer:	 Bill Zhu
Supervised by:	 Li Huan



A.1 20dB Emission Bandwidth

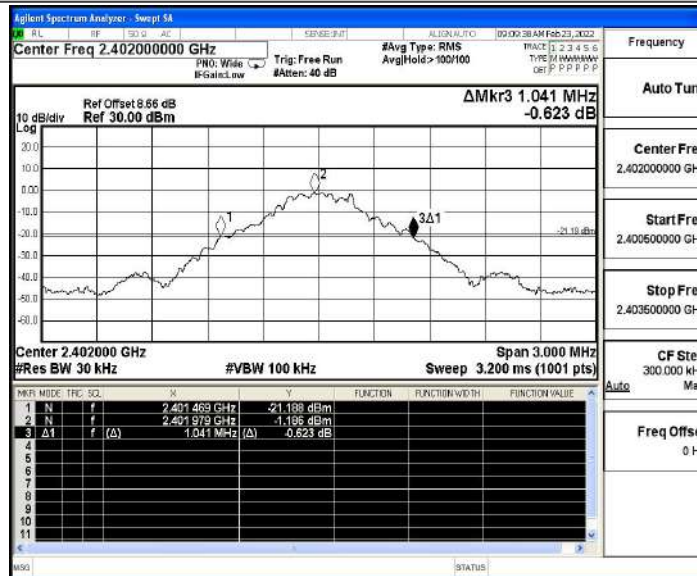
Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.041	2401.469	2402.510	---	---
		2441	1.089	2440.451	2441.540	---	---
		2480	1.035	2479.472	2480.507	---	---
2DH5	Ant1	2402	1.323	2401.340	2402.663	---	---
		2441	1.290	2440.364	2441.654	---	---
		2480	1.326	2479.334	2480.660	---	---
3DH5	Ant1	2402	1.299	2401.352	2402.651	---	---
		2441	1.296	2440.352	2441.648	---	---
		2480	1.311	2479.346	2480.657	---	---

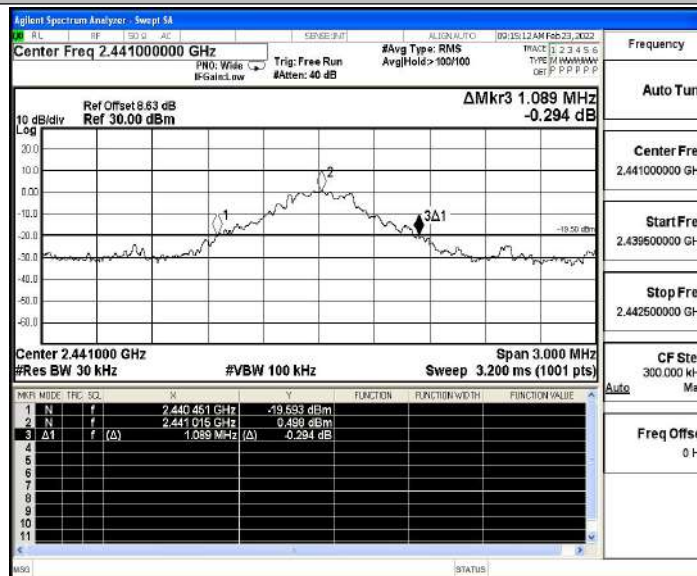


Test Graphs

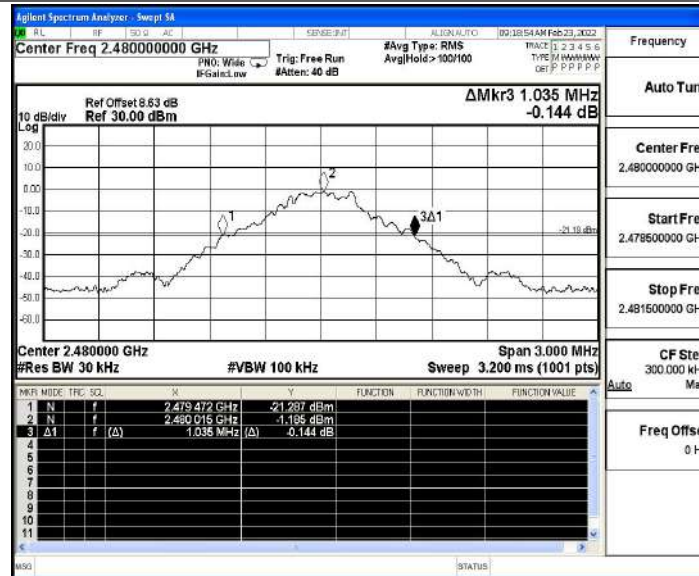
DH5_Ant1_2402



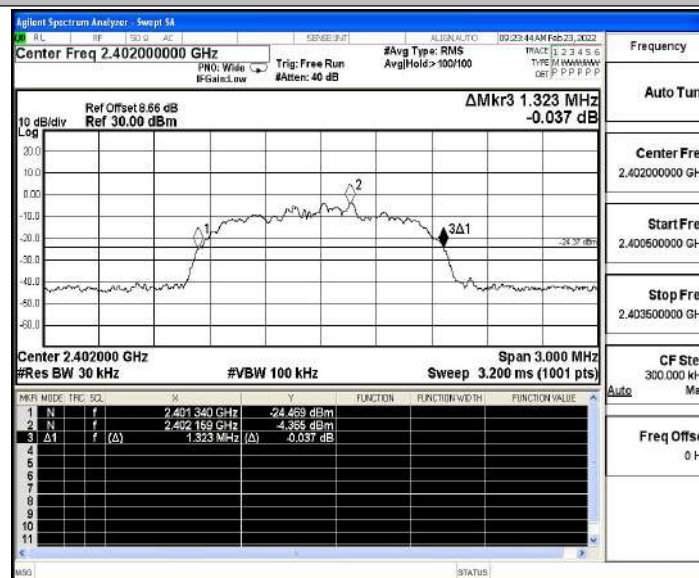
DH5_Ant1_2441



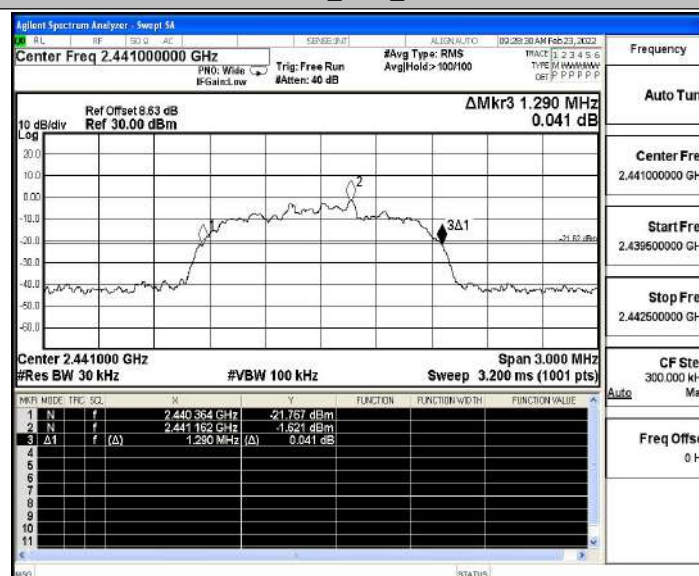
DH5_Ant1_2480



2DH5_Ant1_2402

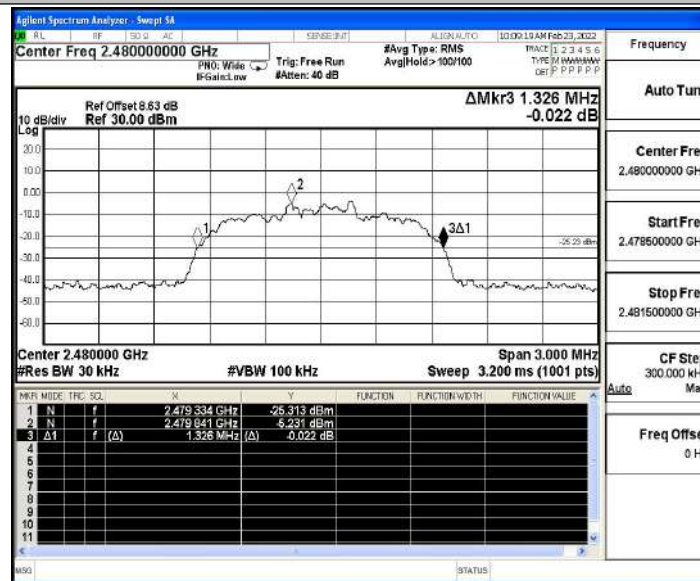


2DH5_Ant1_2441

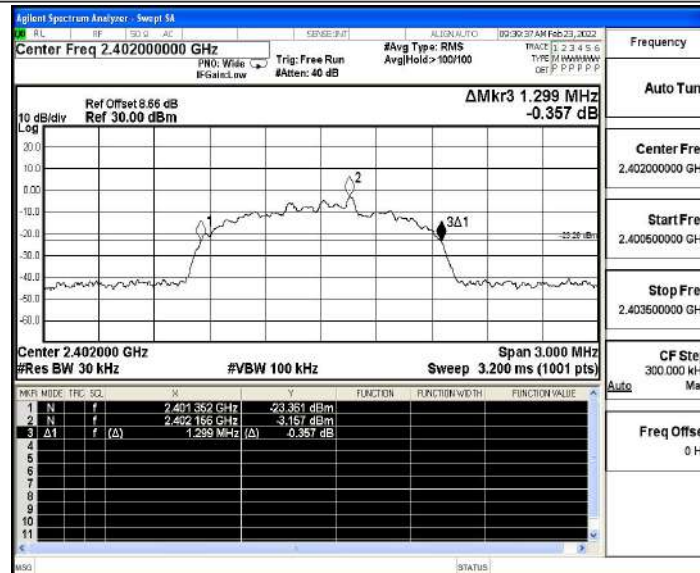




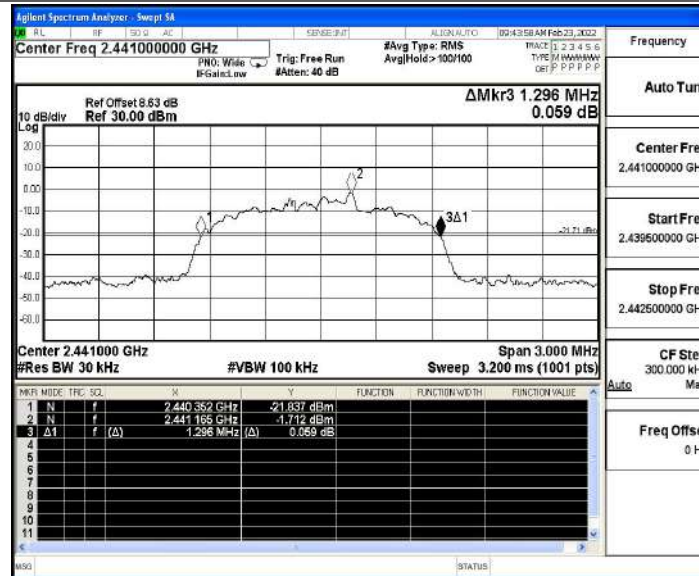
2DH5_Ant1_2480



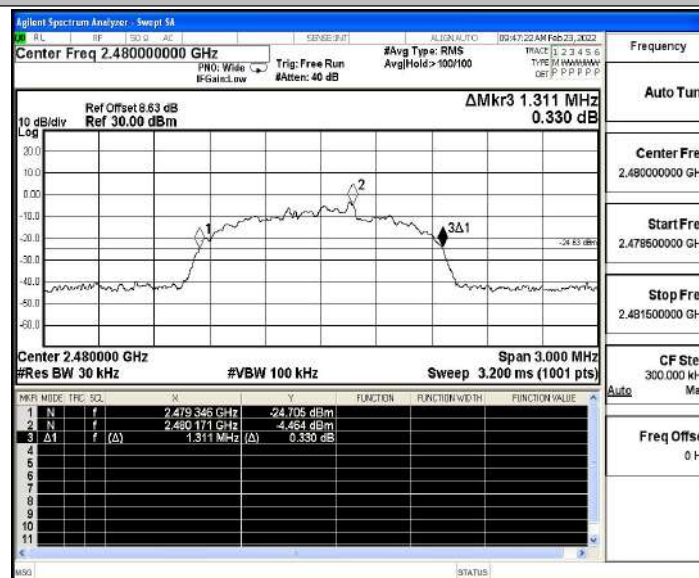
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480





A.2 Maximum peak conducted output power

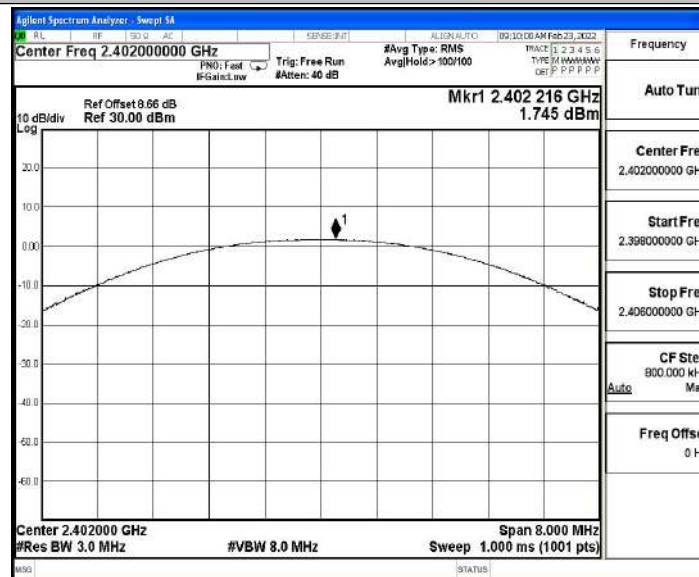
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	1.75	≤ 20.97	PASS
		2441	1.55	≤ 20.97	PASS
		2480	1.75	≤ 20.97	PASS
2DH5	Ant1	2402	0.81	≤ 20.97	PASS
		2441	2.35	≤ 20.97	PASS
		2480	0.8	≤ 20.97	PASS
3DH5	Ant1	2402	0.43	≤ 20.97	PASS
		2441	1.84	≤ 20.97	PASS
		2480	0.16	≤ 20.97	PASS

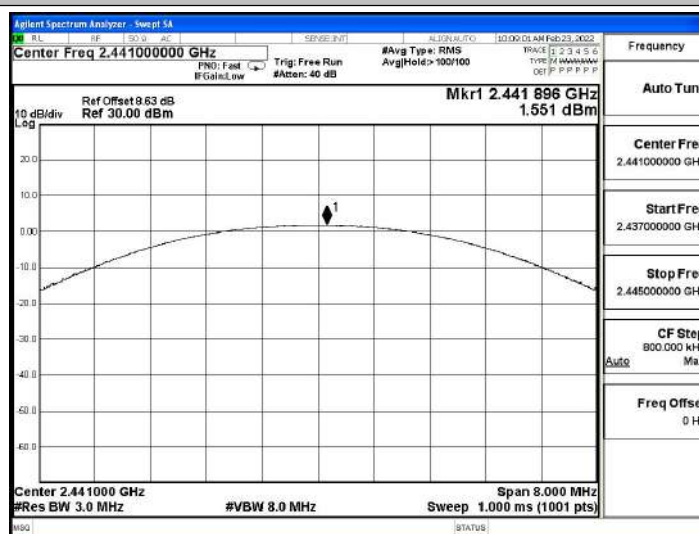


Test Graphs

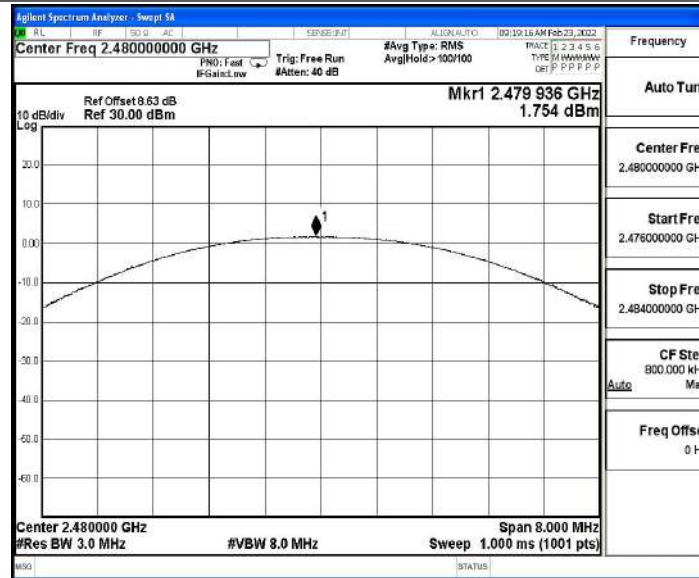
DH5_Ant1_2402



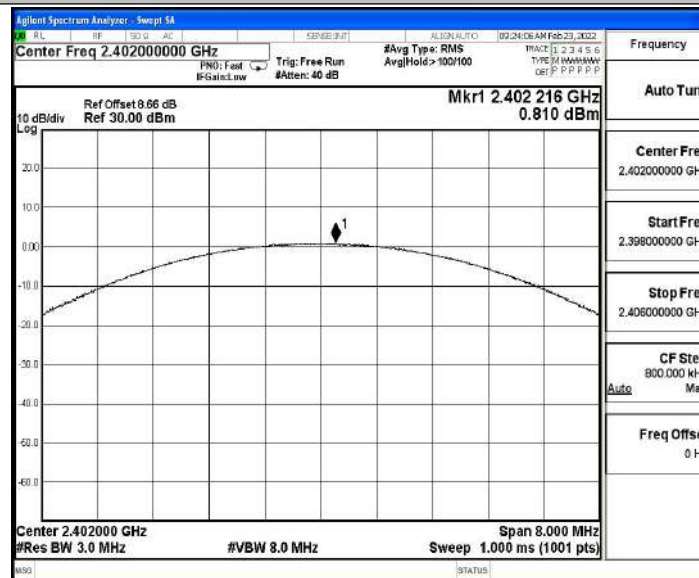
DH5_Ant1_2441



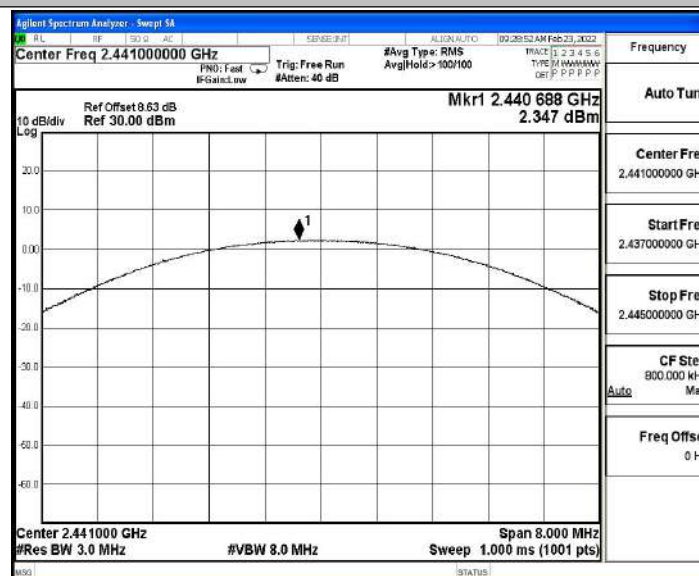
DH5_Ant1_2480



2DH5_Ant1_2402

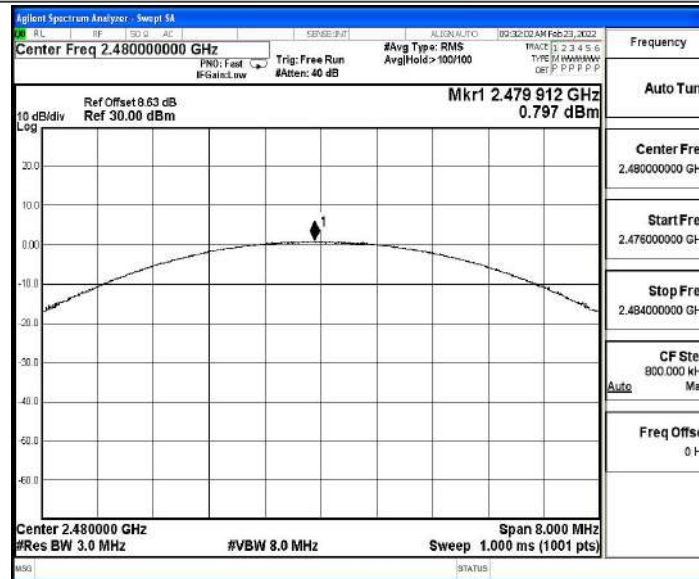


2DH5_Ant1_2441

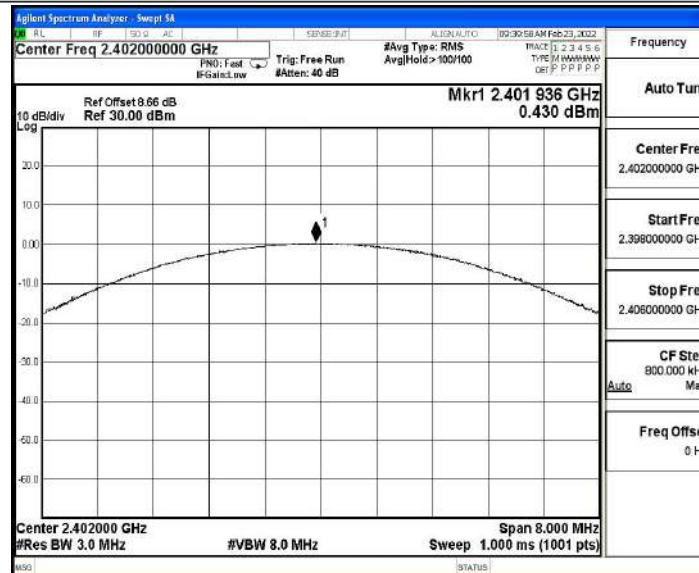




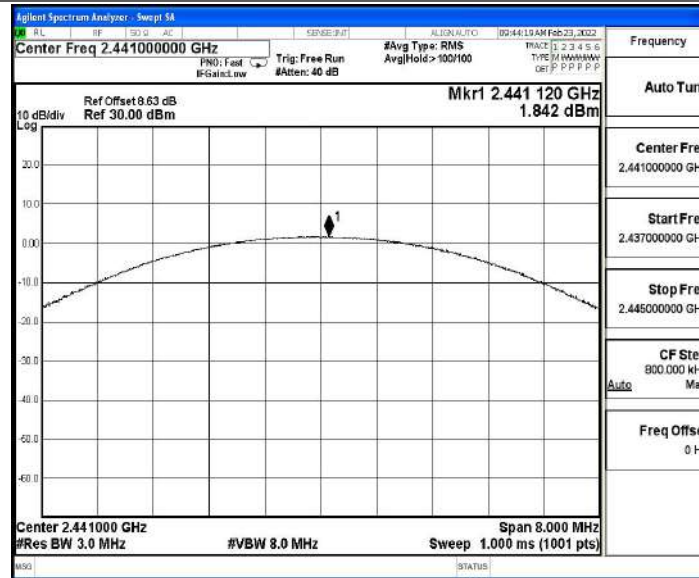
2DH5_Ant1_2480



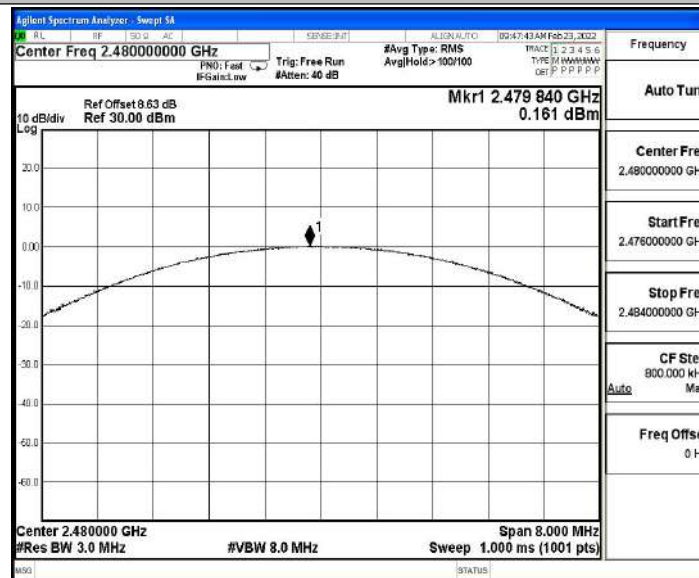
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480





A.3 Carrier frequency separation

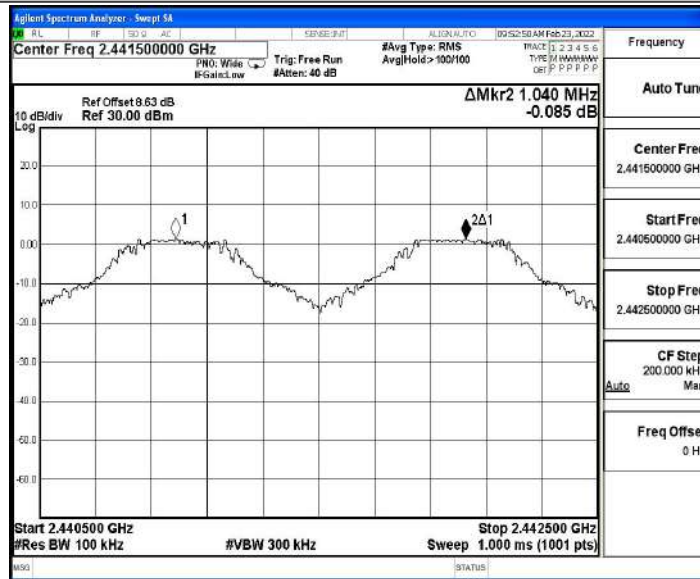
Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.04	≥ 0.726	PASS
2DH5	Ant1	Hop	1.004	≥ 0.882	PASS
3DH5	Ant1	Hop	0.94	≥ 0.874	PASS

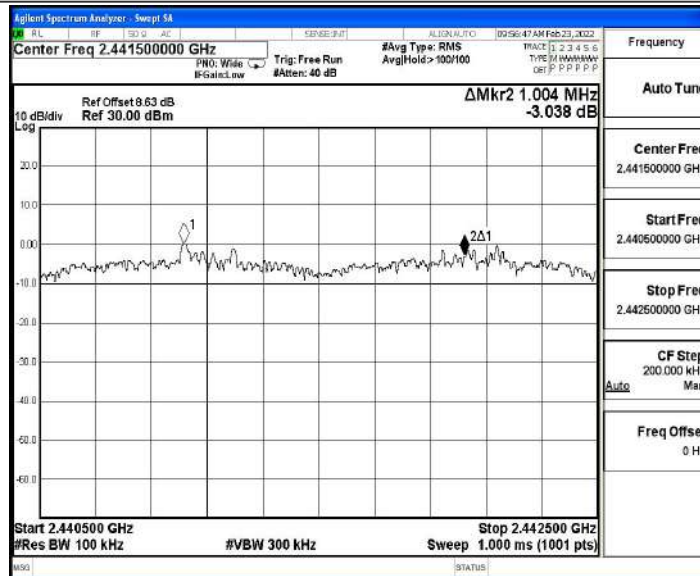


Test Graphs

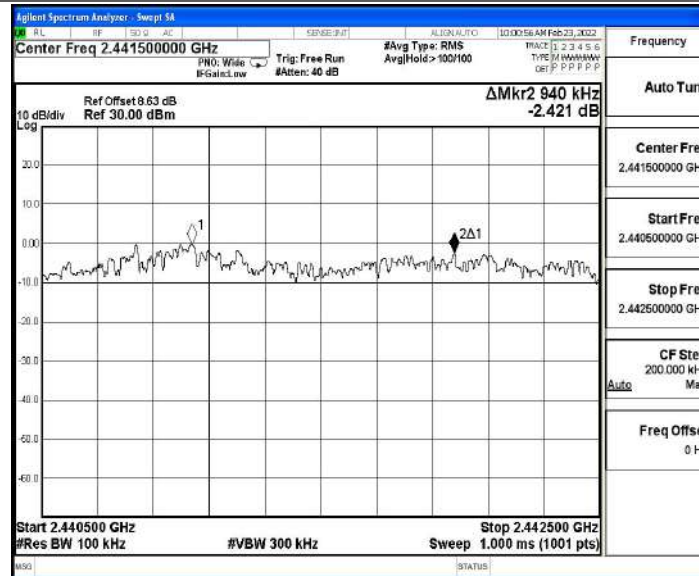
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

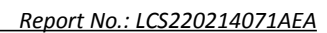


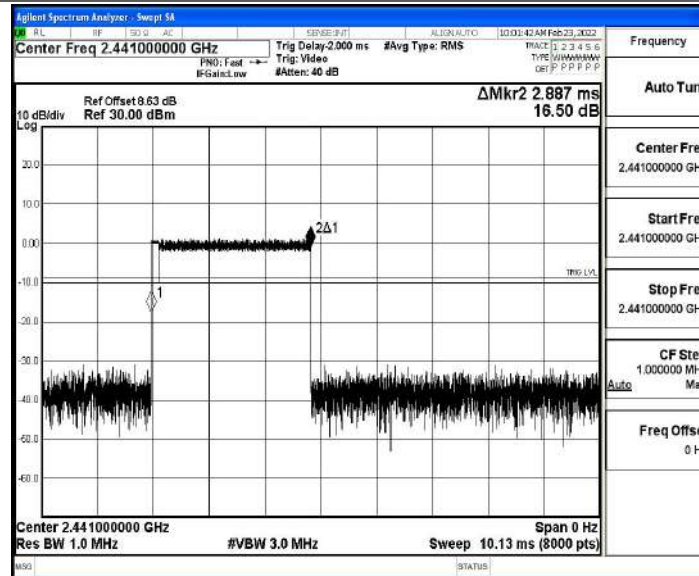


A.4 Time of occupancy

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







A.5 Number of hopping channels

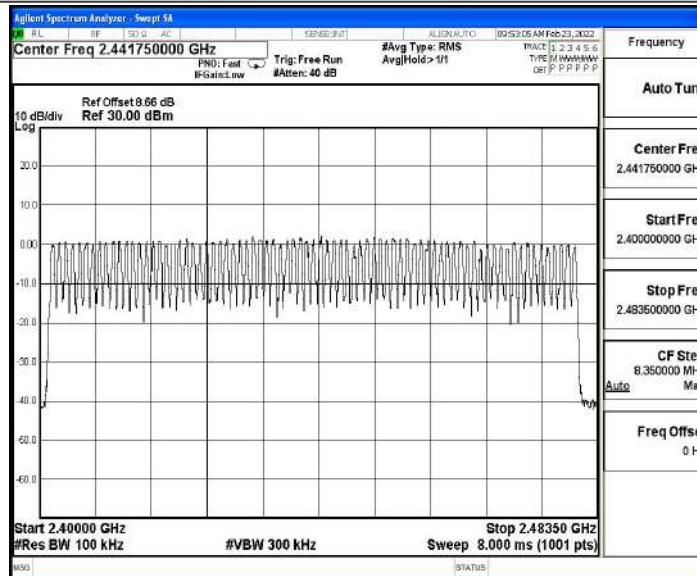
Test Result

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

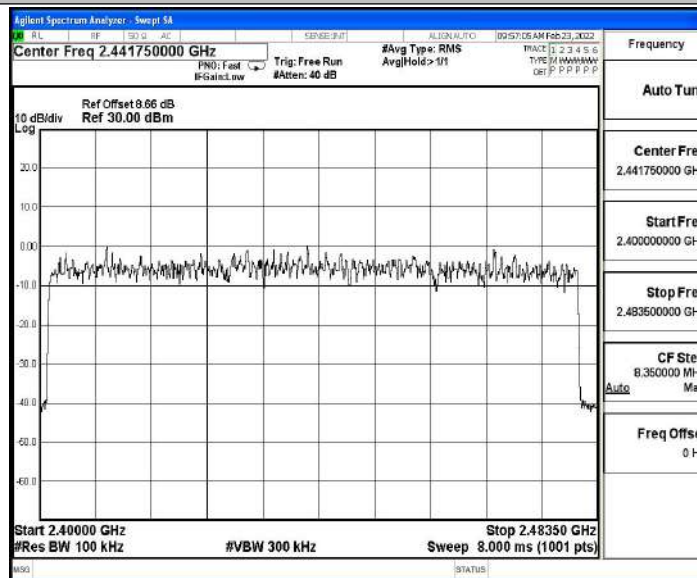


Test Graphs

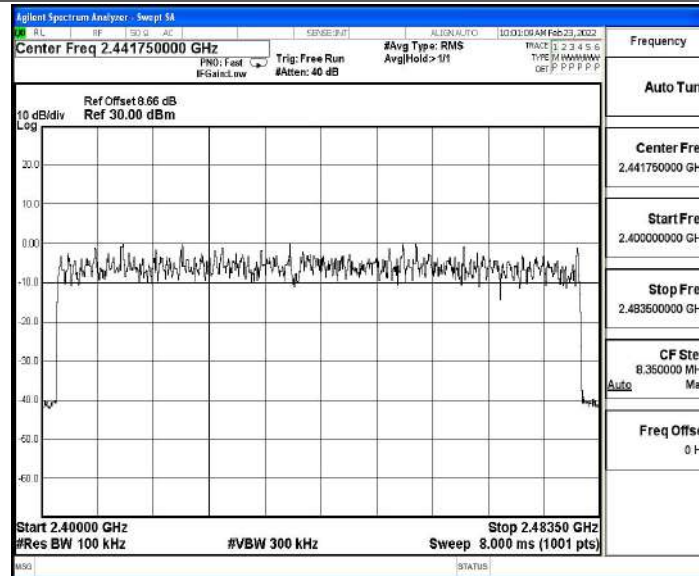
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





A.6 Band edge measurements

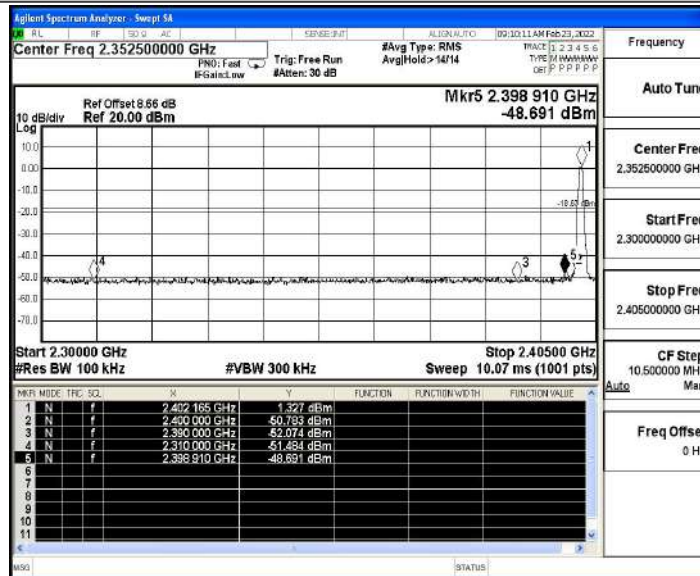
Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.33	-48.69	≤ -18.67	PASS
		High	2480	1.16	-47.97	≤ -18.84	PASS
		Low	Hop_2402	0.08	-48.99	≤ -19.93	PASS
		High	Hop_2480	0.49	-48.09	≤ -19.51	PASS
2DH5	Ant1	Low	2402	-3.57	-48.92	≤ -23.57	PASS
		High	2480	-0.81	-48.15	≤ -20.81	PASS
		Low	Hop_2402	-4.05	-49.26	≤ -24.05	PASS
		High	Hop_2480	-0.83	-48.28	≤ -20.83	PASS
3DH5	Ant1	Low	2402	-1.25	-48.91	≤ -21.25	PASS
		High	2480	-1.08	-47.62	≤ -21.08	PASS
		Low	Hop_2402	-4.35	-49.56	≤ -24.35	PASS
		High	Hop_2480	-2.67	-48.07	≤ -22.67	PASS

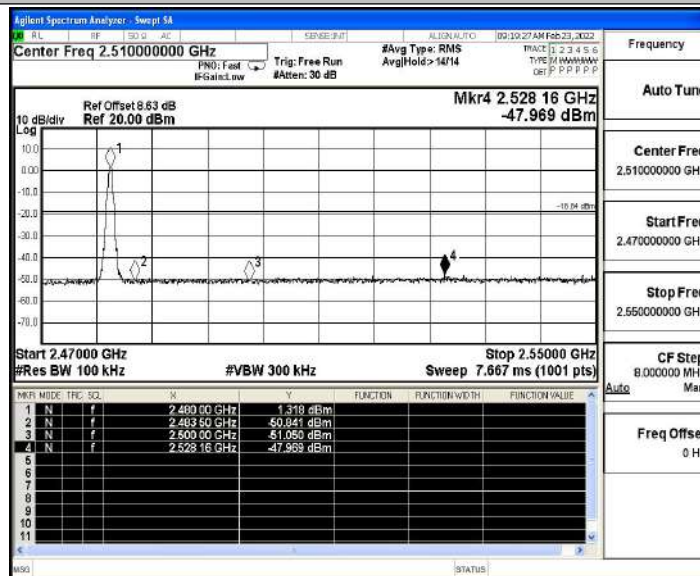


Test Graphs

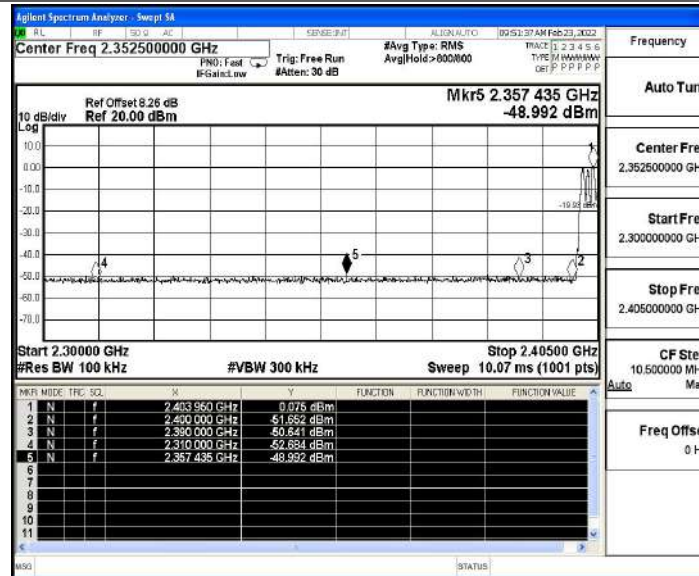
DH5_Ant1_Low_2402



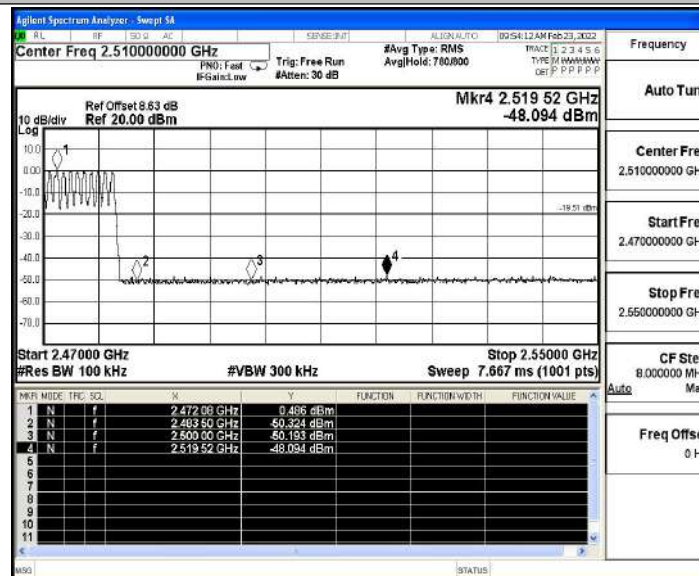
DH5_Ant1_High_2480



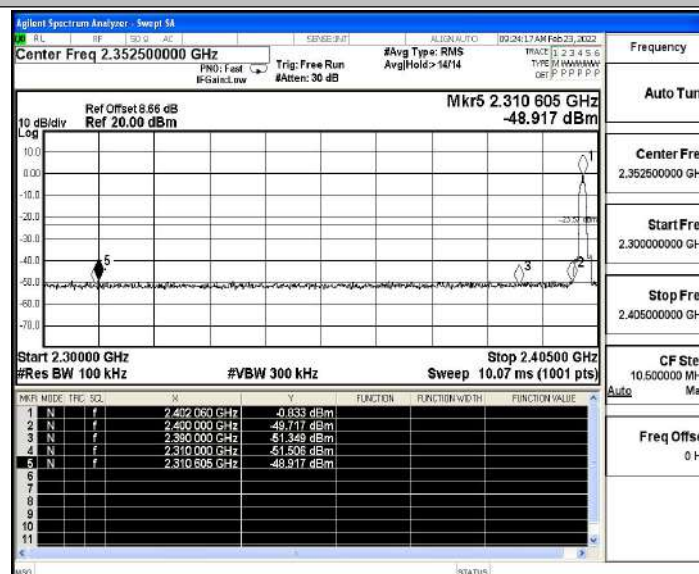
DH5_Ant1_Low_Hop_2402



DH5_Ant1_High_Hop_2480

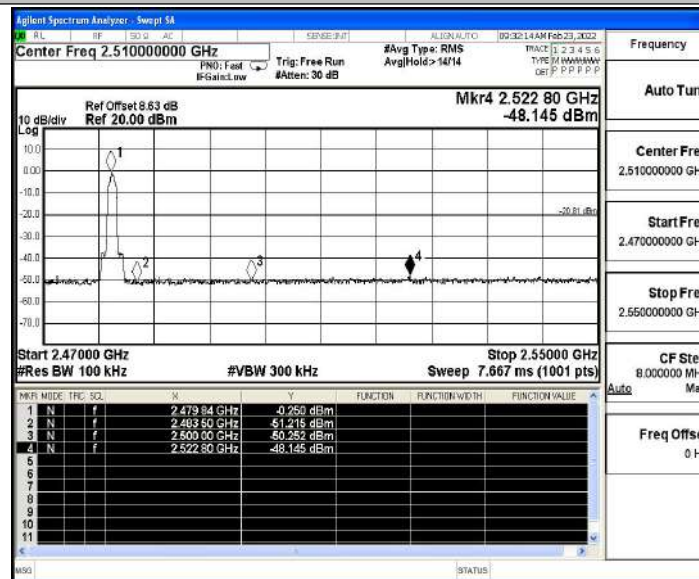


2DH5_Ant1_Low_2402

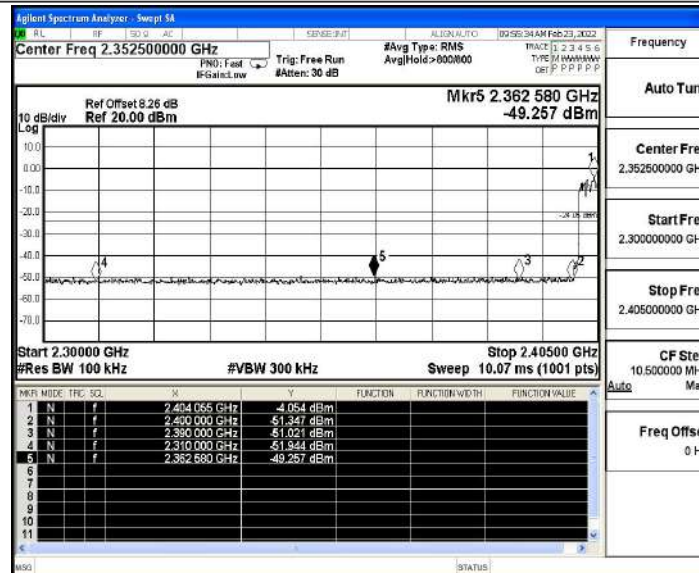




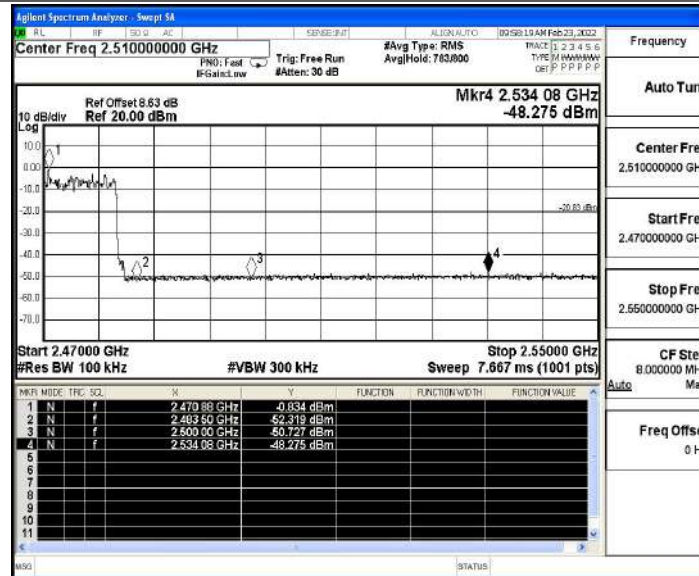
2DH5_Ant1_High_2480



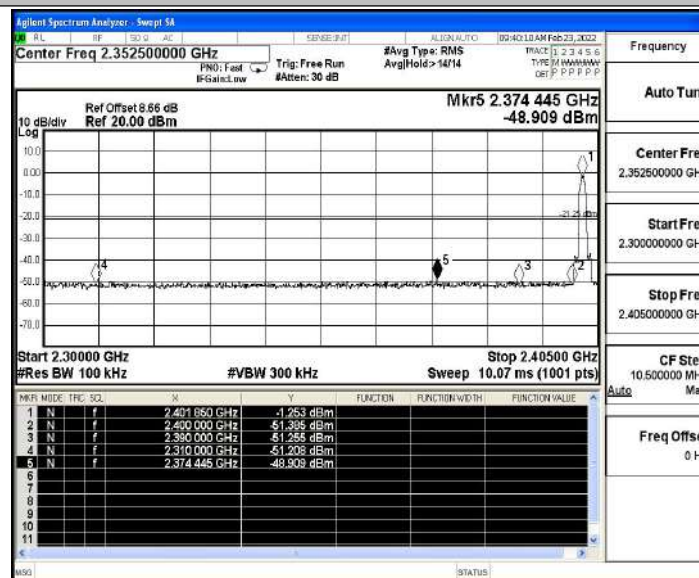
2DH5_Ant1_Low_Hop_2402



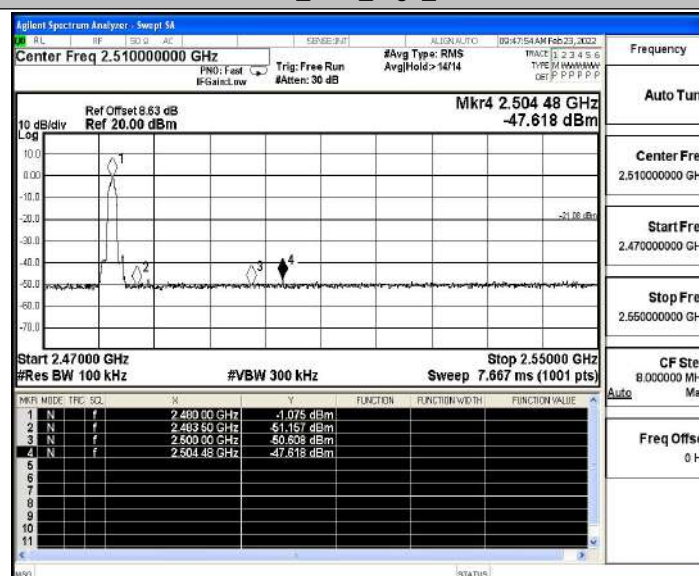
2DH5_Ant1_High_Hop_2480



3DH5_Ant1_Low_2402

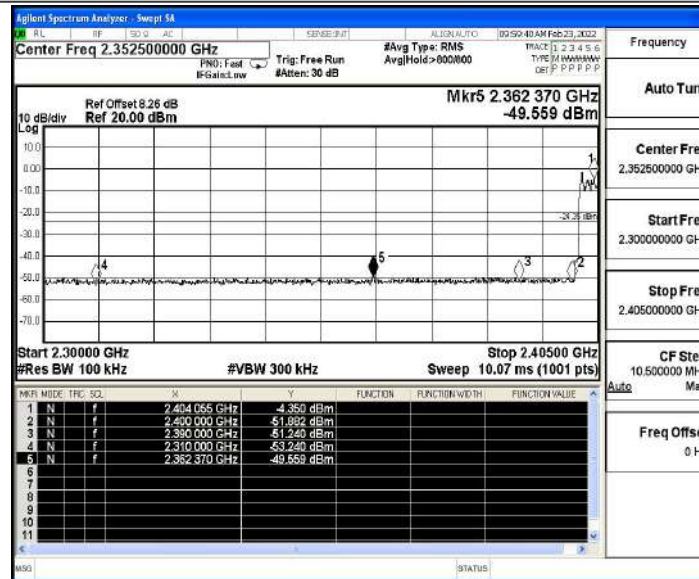


3DH5_Ant1_High_2480

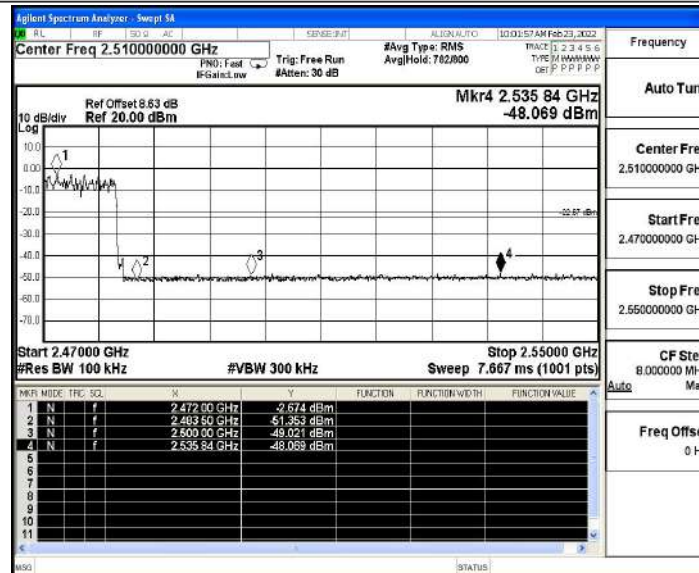




3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480





A.7 Conducted Spurious Emission

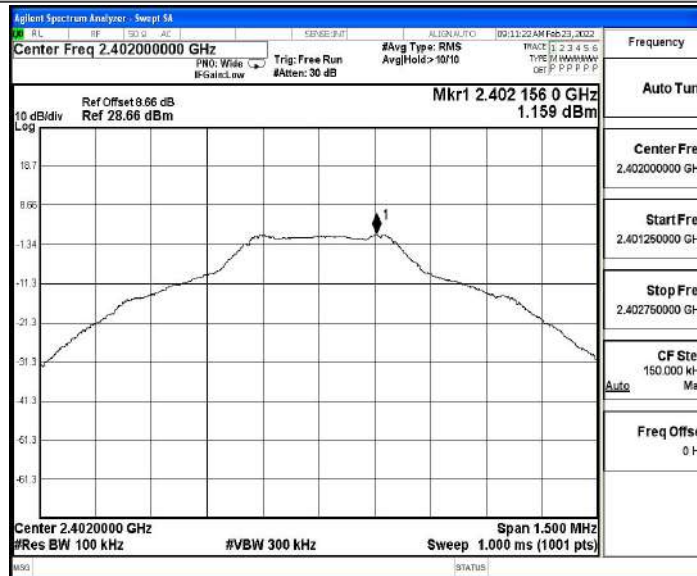
Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	1.16	1.16	---	PASS
			30~1000	1.16	-61.13	≤ -18.84	PASS
			1000~26500	1.16	-46.83	≤ -18.84	PASS
		2441	Reference	2.81	2.81	---	PASS
			30~1000	2.81	-60.98	≤ -17.19	PASS
			1000~26500	2.81	-45.93	≤ -17.19	PASS
		2480	Reference	1.07	1.07	---	PASS
			30~1000	1.07	-61	≤ -18.93	PASS
			1000~26500	1.07	-46.15	≤ -18.93	PASS
2DH5	Ant1	2402	Reference	-0.43	-0.43	---	PASS
			30~1000	-0.43	-60.12	≤ -20.43	PASS
			1000~26500	-0.43	-45.77	≤ -20.43	PASS
		2441	Reference	1.14	1.14	---	PASS
			30~1000	1.14	-60.92	≤ -18.86	PASS
			1000~26500	1.14	-46.31	≤ -18.86	PASS
		2480	Reference	-0.34	-0.34	---	PASS
			30~1000	-0.34	-59.94	≤ -20.34	PASS
			1000~26500	-0.34	-46.87	≤ -20.34	PASS
3DH5	Ant1	2402	Reference	-1.20	-1.20	---	PASS
			30~1000	-1.20	-60.13	≤ -21.2	PASS
			1000~26500	-1.20	-45.83	≤ -21.2	PASS
		2441	Reference	0.42	0.42	---	PASS
			30~1000	0.42	-49.19	≤ -19.58	PASS
			1000~26500	0.42	-46.55	≤ -19.58	PASS
		2480	Reference	-1.16	-1.16	---	PASS
			30~1000	-1.16	-60.92	≤ -21.16	PASS
			1000~26500	-1.16	-46.57	≤ -21.16	PASS

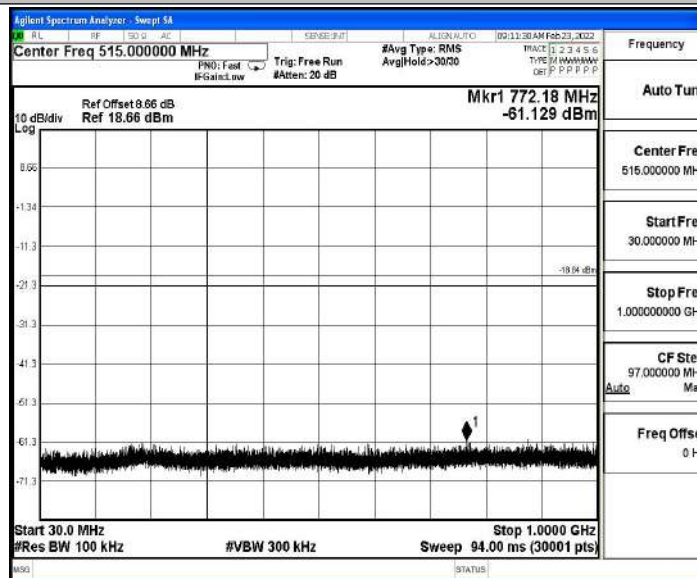


Test Graphs

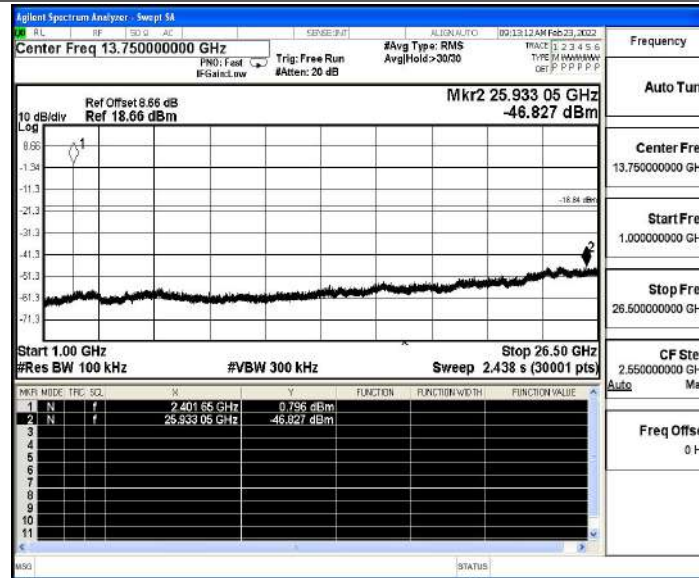
DH5_Ant1_2402_0~Reference



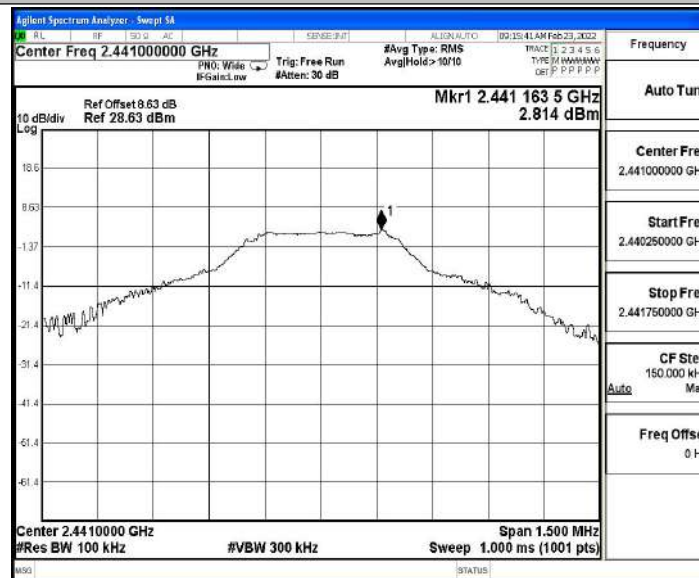
DH5_Ant1_2402_30~1000



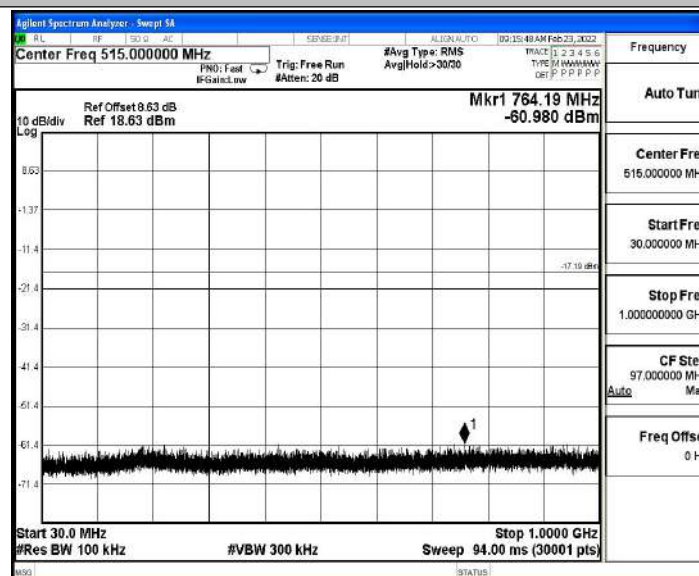
DH5_Ant1_2402_1000~26500



DH5_Ant1_2441_0~Reference

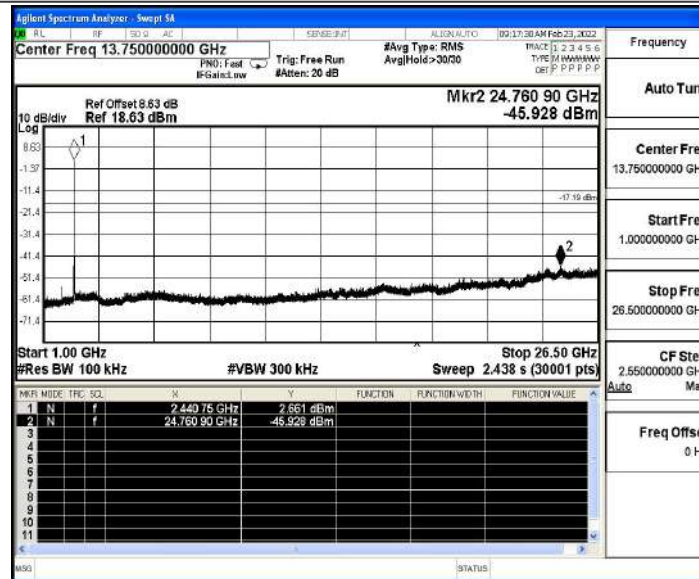


DH5_Ant1_2441_30~1000

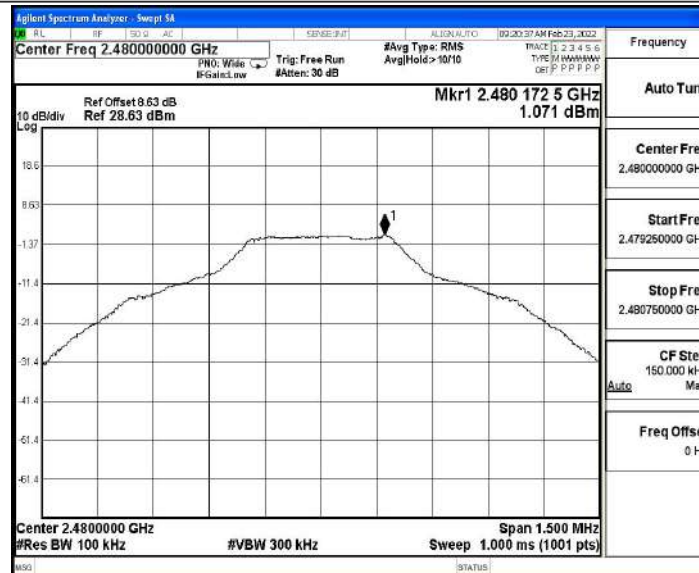




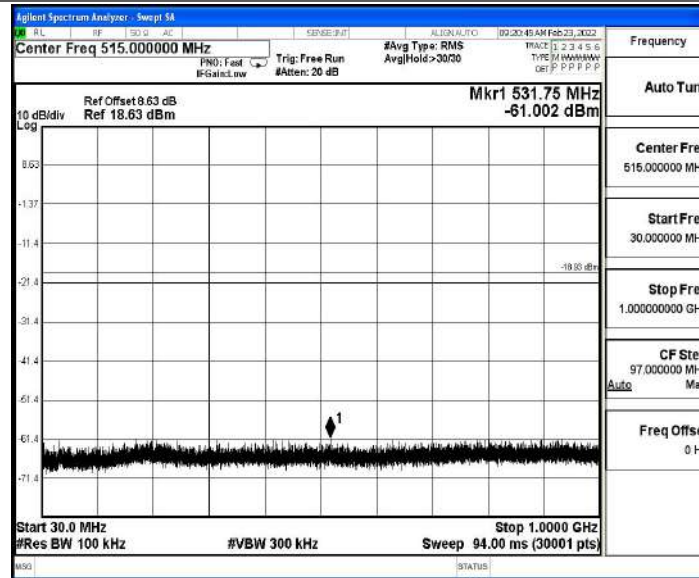
DH5_Ant1_2441_1000~26500



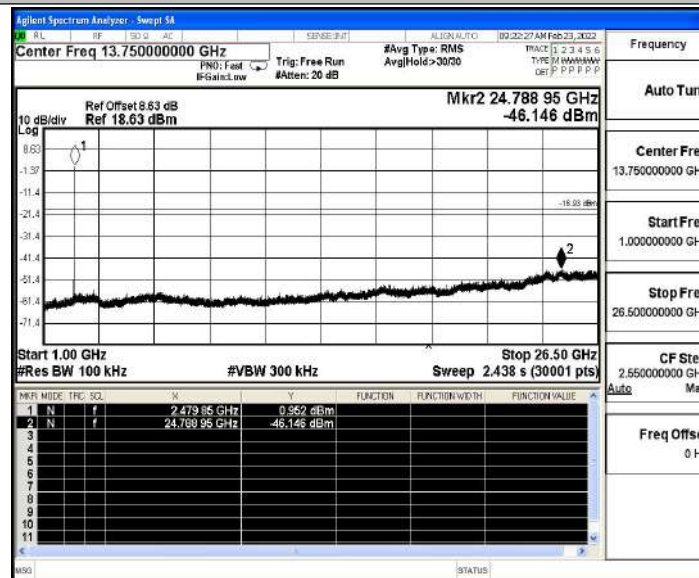
DH5_Ant1_2480_0~Reference



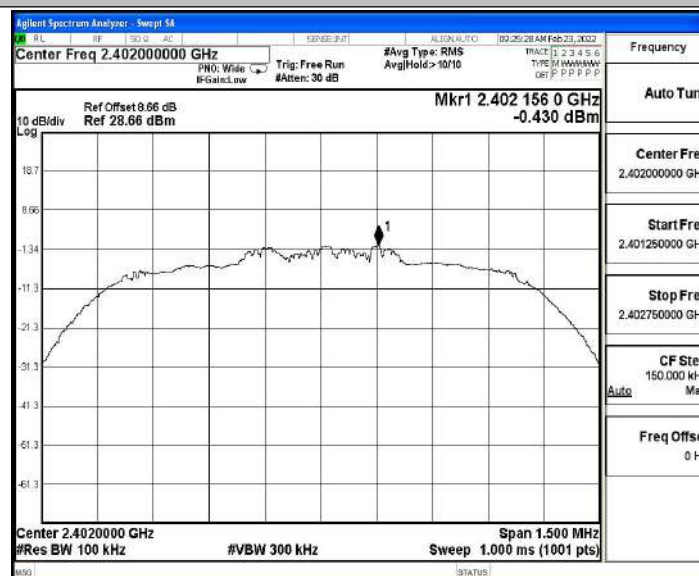
DH5_Ant1_2480_30~1000



DH5_Ant1_2480_1000~26500

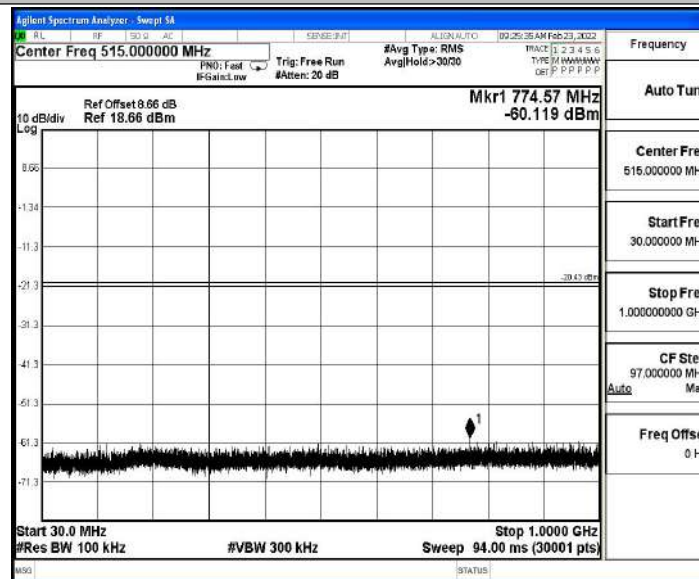


2DH5_Ant1_2402_0~Reference

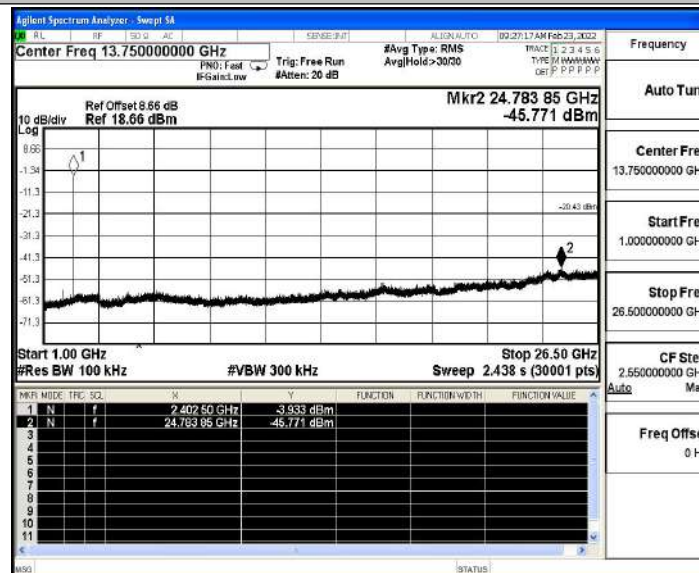




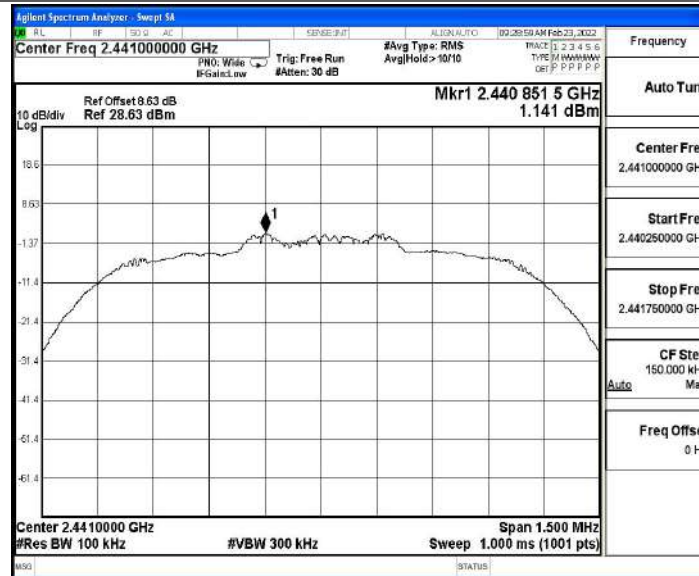
2DH5_Ant1_2402_30~1000



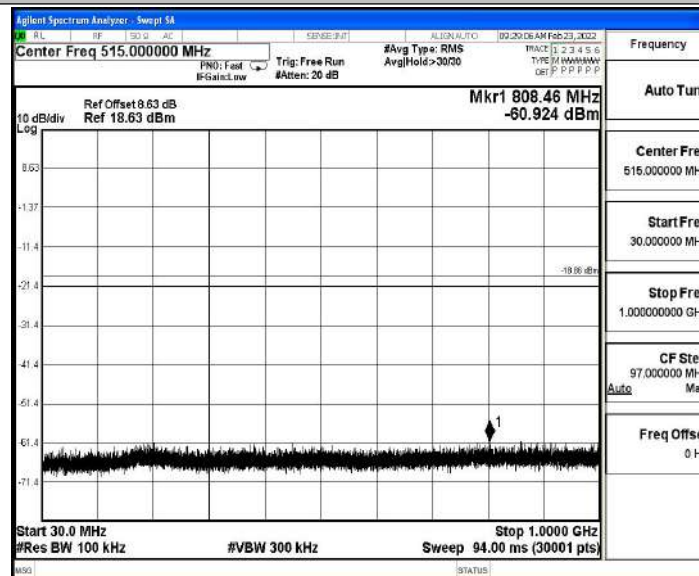
2DH5_Ant1_2402_1000~26500



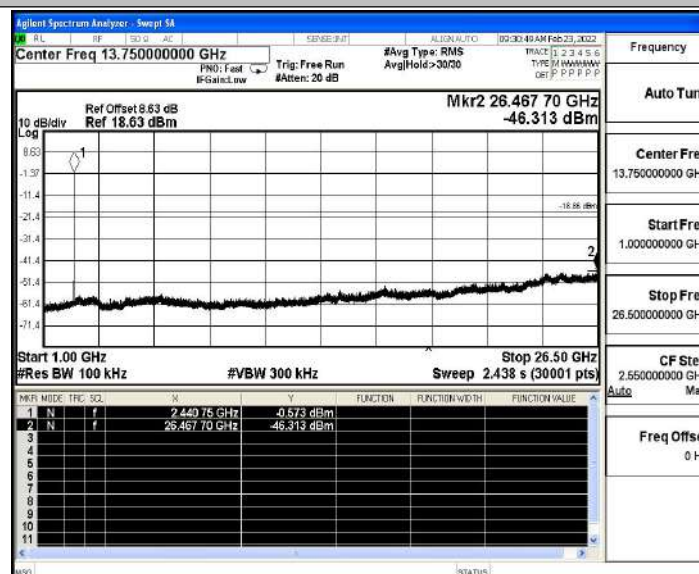
2DH5_Ant1_2441_0~Reference



2DH5_Ant1_2441_30~1000

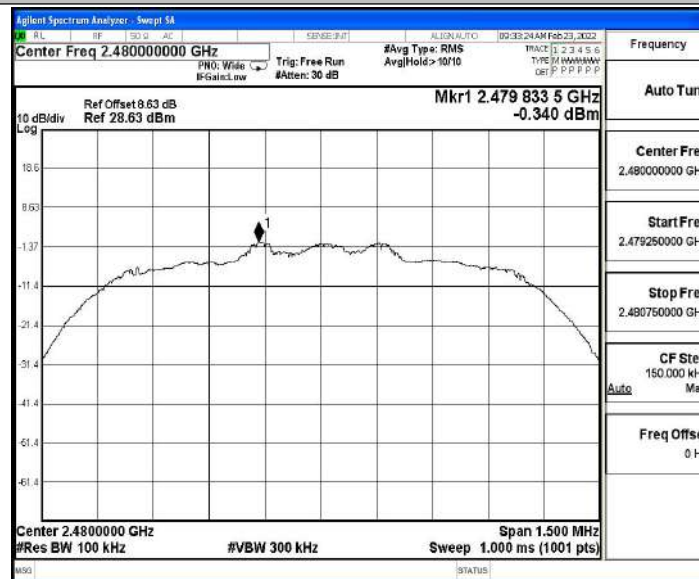


2DH5_Ant1_2441_1000~26500

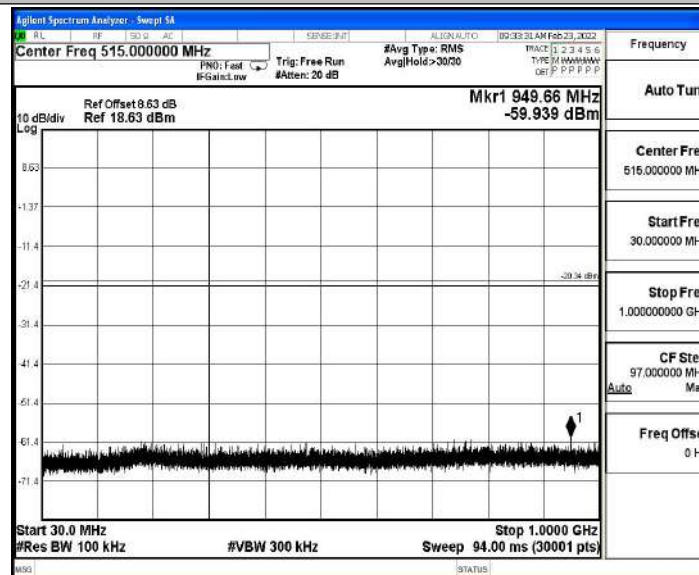




2DH5_Ant1_2480_0~Reference



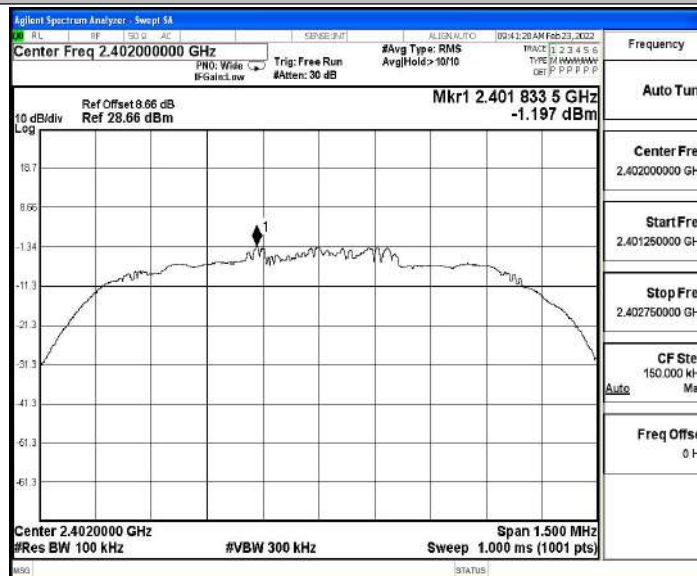
2DH5_Ant1_2480_30~1000



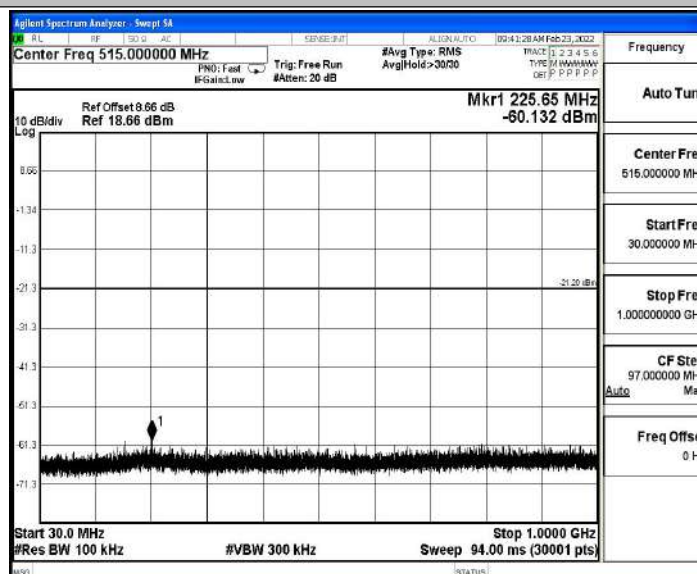
2DH5_Ant1_2480_1000~26500



3DH5_Ant1_2402_0~Reference

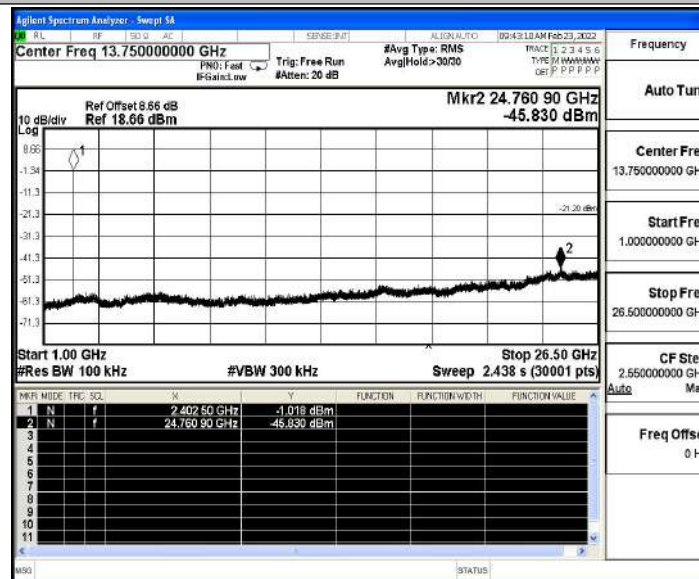


3DH5_Ant1_2402_30~1000

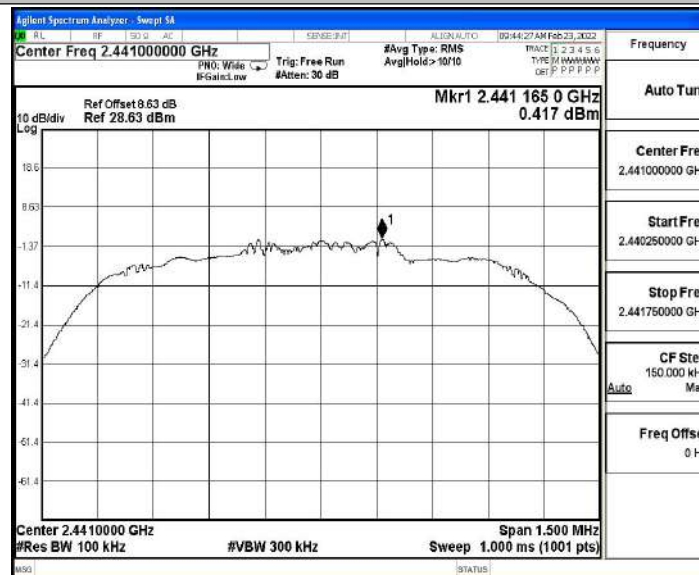




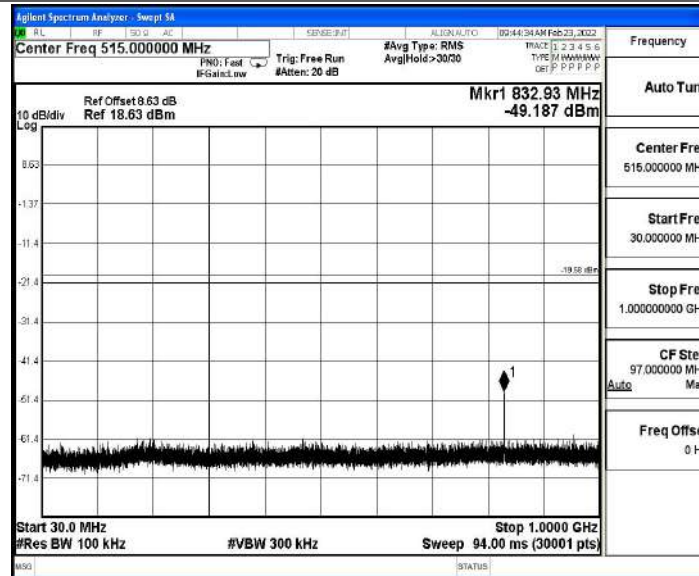
3DH5_Ant1_2402_1000~26500



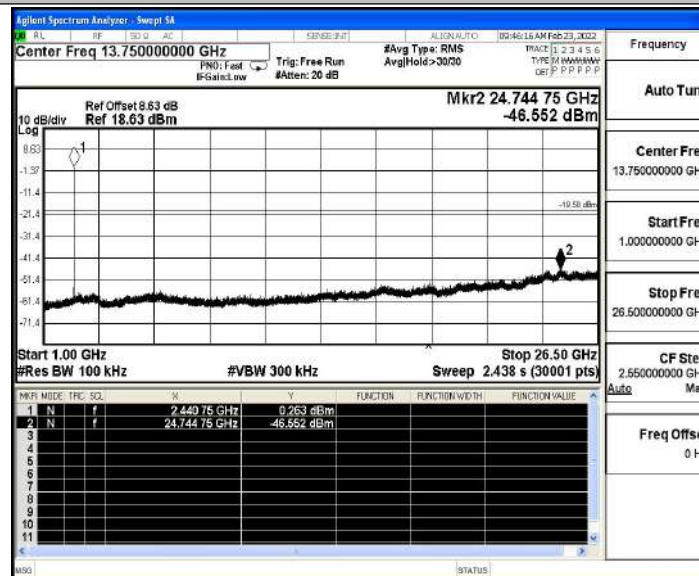
3DH5_Ant1_2441_0~Reference



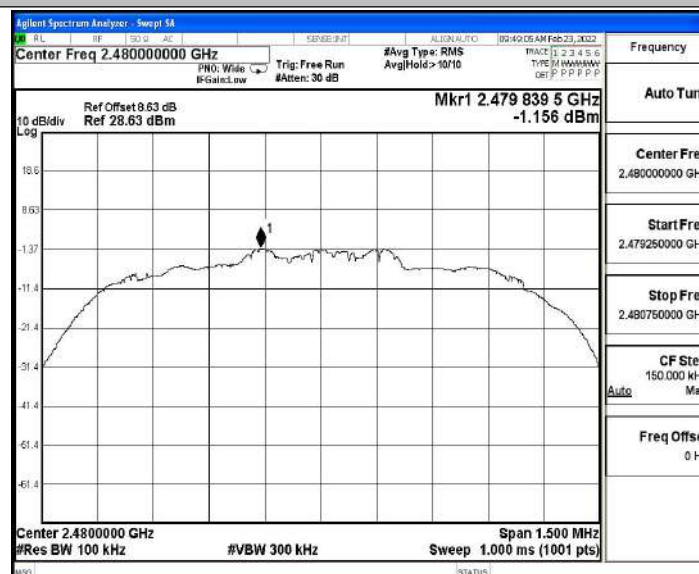
3DH5_Ant1_2441_30~1000



3DH5_Ant1_2441_1000~26500

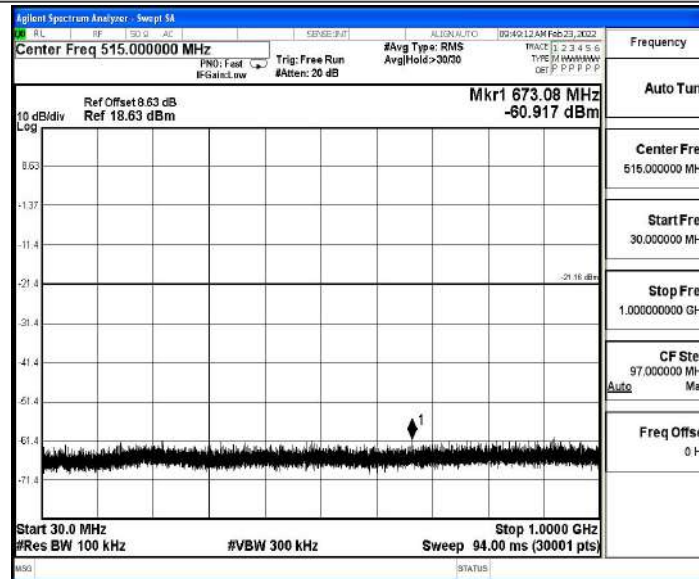


3DH5_Ant1_2480_0~Reference

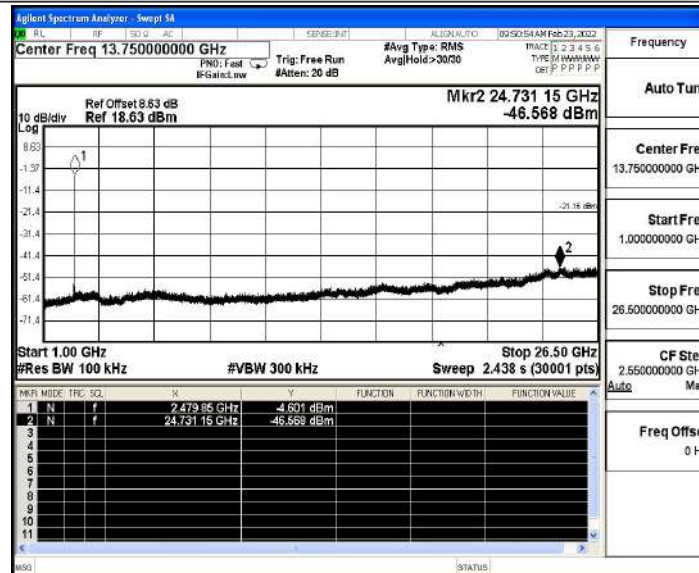




3DH5_Ant1_2480_30~1000



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	-48.55	≤-41.20	46.65	≤54	PASS
				AV	2384.840	-47.94	≤-41.20	47.26	≤54	PASS
				AV	2390.000	-48.19	≤-41.20	47.01	≤54	PASS
				Peak	2310.000	-38.48	≤-21.20	56.72	≤74	PASS
				Peak	2377.805	-36.09	≤-21.20	59.11	≤74	PASS
				Peak	2390.000	-38.59	≤-21.20	56.61	≤74	PASS
		High	2480	AV	2483.500	-47.46	≤-41.20	47.74	≤54	PASS
				AV	2483.920	-47.44	≤-41.20	47.76	≤54	PASS
				AV	2500.000	-47.5	≤-41.20	47.70	≤54	PASS
				Peak	2483.500	-37.48	≤-21.20	57.72	≤74	PASS
				Peak	2499.200	-36.17	≤-21.20	59.03	≤74	PASS
				Peak	2500.000	-38.05	≤-21.20	57.15	≤74	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-48.47	≤-41.20	46.73	≤54	PASS
				AV	2389.565	-47.97	≤-41.20	47.23	≤54	PASS
				AV	2390.000	-48.16	≤-41.20	47.04	≤54	PASS
				Peak	2310.000	-39.82	≤-21.20	55.38	≤74	PASS
				Peak	2385.680	-37.29	≤-21.20	57.91	≤74	PASS
				Peak	2390.000	-38.38	≤-21.20	56.82	≤74	PASS
		High	2480	AV	2483.500	-47.41	≤-41.20	47.79	≤54	PASS
				AV	2483.520	-47.41	≤-41.20	47.79	≤54	PASS
				AV	2500.000	-47.57	≤-41.20	47.63	≤54	PASS
				Peak	2483.500	-38.25	≤-21.20	56.95	≤74	PASS
				Peak	2484.880	-36.54	≤-21.20	58.66	≤74	PASS
				Peak	2500.000	-37.46	≤-21.20	57.74	≤74	PASS
3DH5	Ant1	Low	2402	AV	2310.000	-48.45	≤-41.20	46.75	≤54	PASS
				AV	2387.885	-47.88	≤-41.20	47.32	≤54	PASS
				AV	2390.000	-48.15	≤-41.20	47.05	≤54	PASS
				Peak	2310.000	-38.89	≤-21.20	56.31	≤74	PASS
				Peak	2375.600	-37.04	≤-21.20	58.16	≤74	PASS
				Peak	2390.000	-39.34	≤-21.20	55.86	≤74	PASS
		High	2480	AV	2483.500	-47.49	≤-41.20	47.71	≤54	PASS
				AV	2499.680	-47.36	≤-41.20	47.84	≤54	PASS
				AV	2500.000	-47.6	≤-41.20	47.60	≤54	PASS
				Peak	2483.500	-38.61	≤-21.20	56.59	≤74	PASS
				Peak	2499.760	-36.14	≤-21.20	59.06	≤74	PASS
				Peak	2500.000	-37.59	≤-21.20	57.61	≤74	PASS



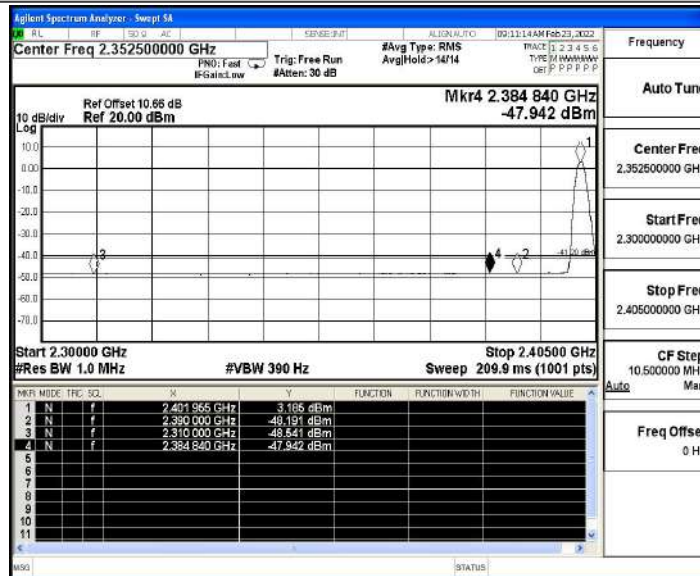
Note:

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.

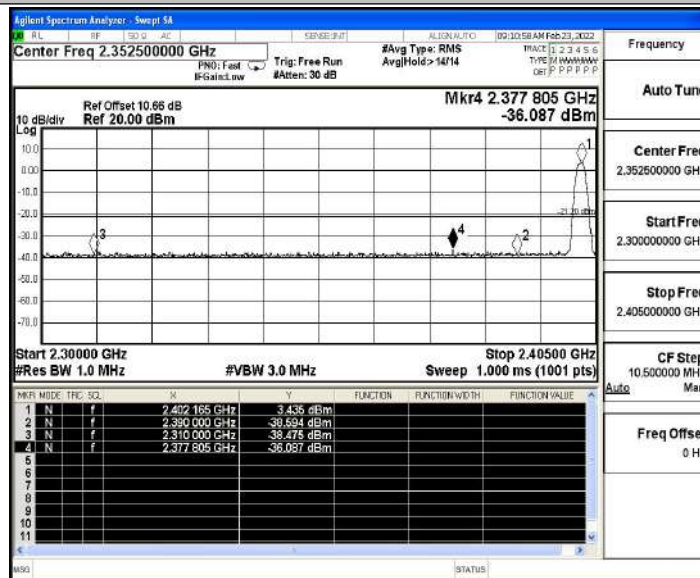


Test Graphs

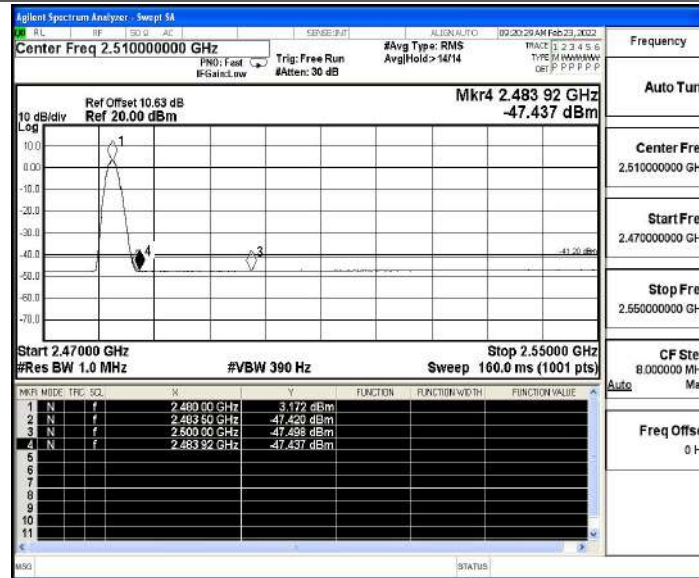
DH5_Ant1_Low_2402_AV



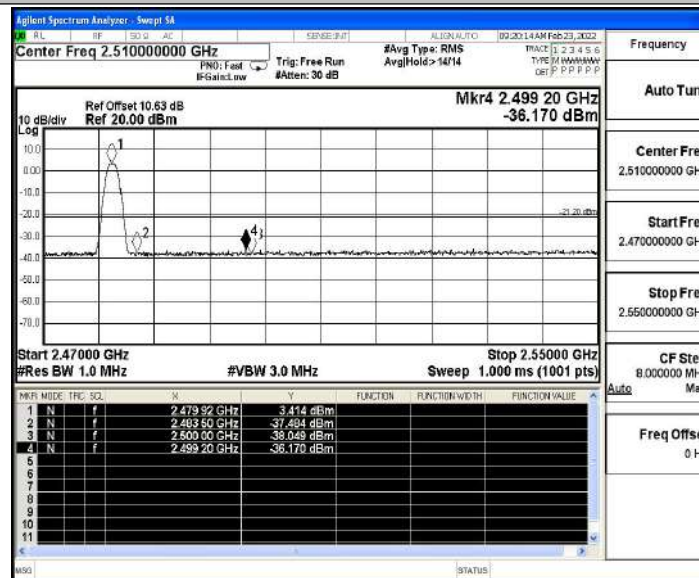
DH5_Ant1_Low_2402_Peak



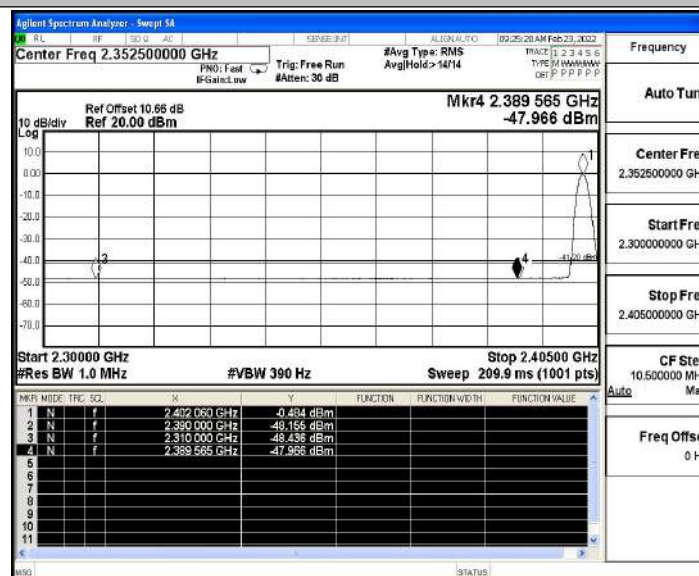
DH5_Ant1_High_2480_AV



DH5_Ant1_High_2480_Peak

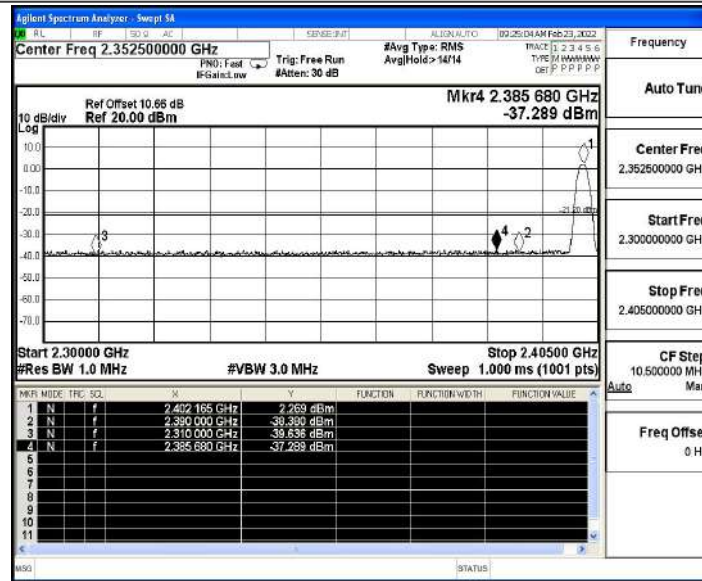


2DH5_Ant1_Low_2402_AV

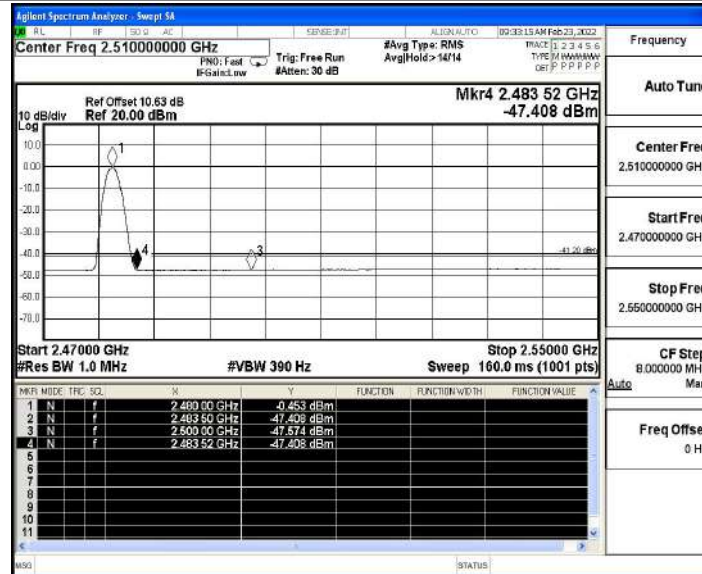




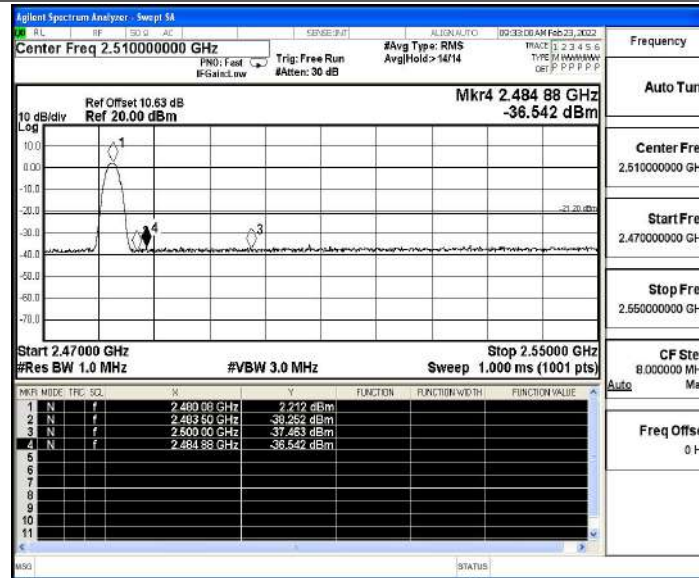
2DH5_Ant1_Low_2402_Peak



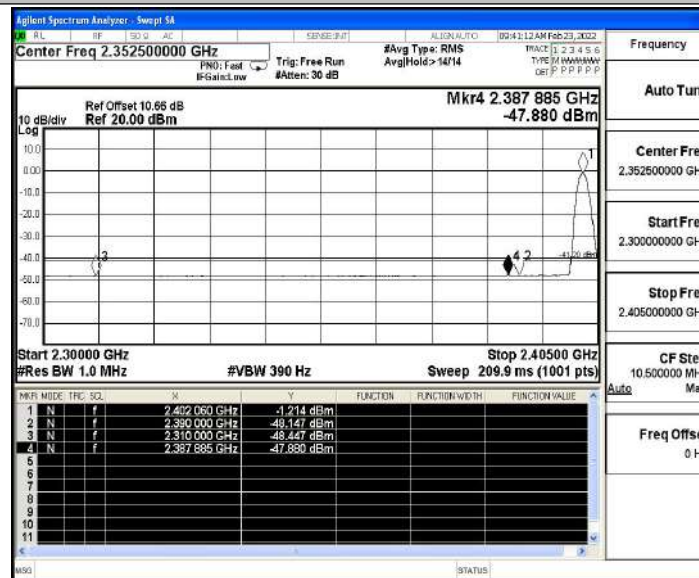
2DH5_Ant1_High_2480_AV



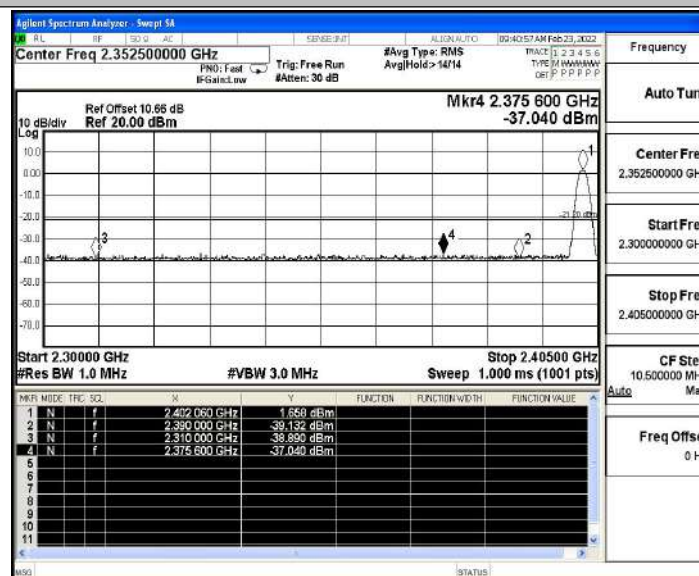
2DH5_Ant1_High_2480_Peak



3DH5_Ant1_Low_2402_AV

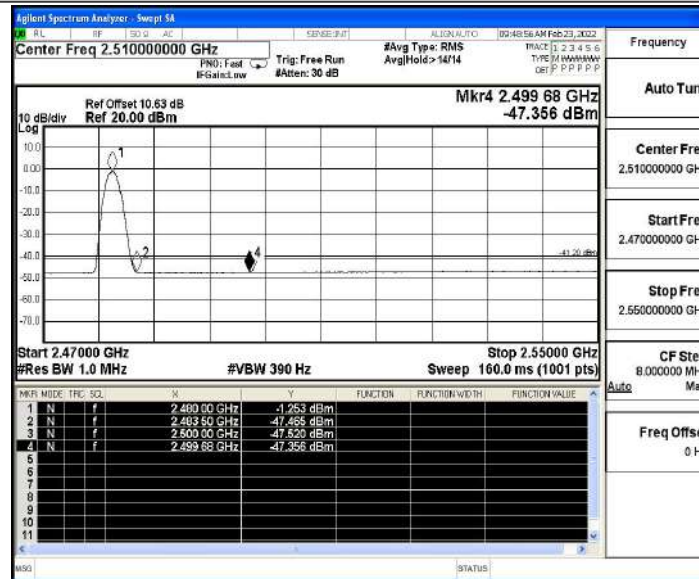


3DH5_Ant1_Low_2402_Peak





3DH5_Ant1_High_2480_AV



3DH5_Ant1_High_2480_Peak

