



Appendix A

RF Test Data for BT V4.1 (DSS) (Conducted Measurement)

Product Name: TABLET PC

Test Model: GACRUX

Environmental Conditions

Temperature:	23.5℃
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	 Monkey Li
Supervised by:	 Li Huan



A.1 20dB Emission Bandwidth

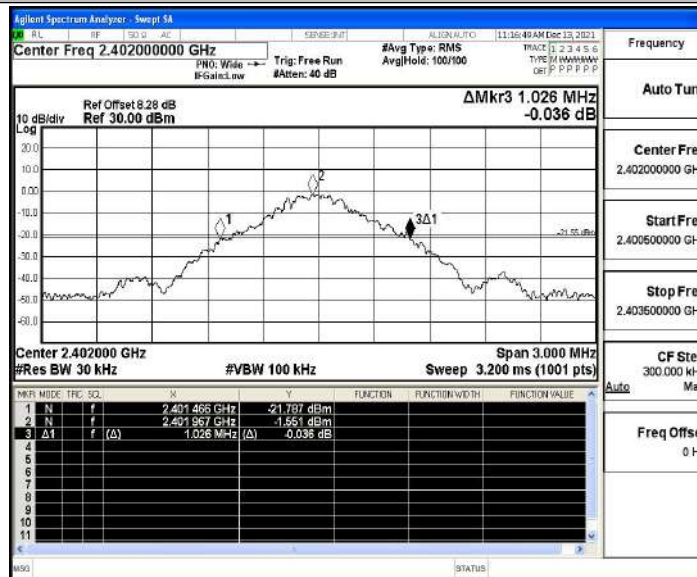
Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.026	2401.466	2402.492	---	PASS
		2441	1.029	2440.469	2441.498	---	PASS
		2480	1.041	2479.460	2480.501	---	PASS
2DH5	Ant1	2402	1.293	2401.358	2402.651	---	PASS
		2441	1.323	2440.331	2441.654	---	PASS
		2480	1.326	2479.328	2480.654	---	PASS
3DH5	Ant1	2402	1.293	2401.346	2402.639	---	PASS
		2441	1.311	2440.340	2441.651	---	PASS
		2480	1.308	2479.337	2480.645	---	PASS

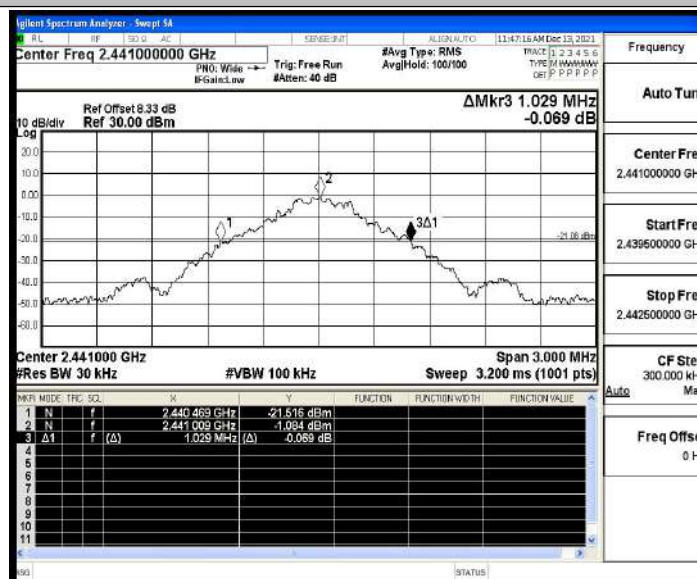


Test Graphs

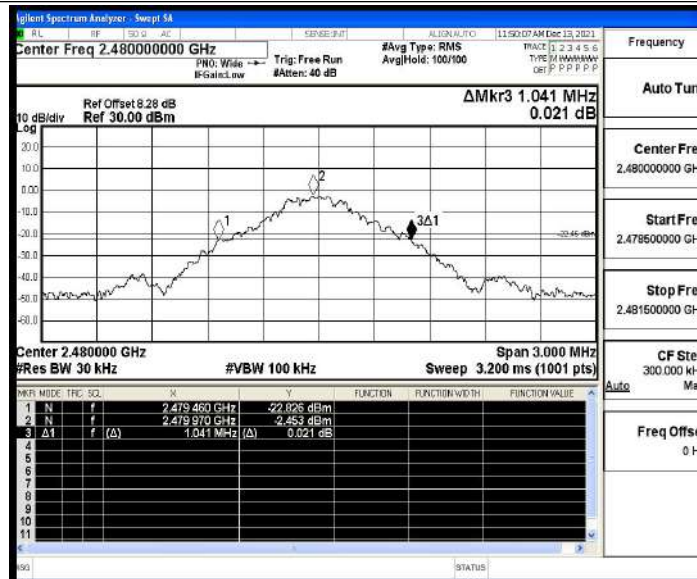
DH5_Ant1_2402



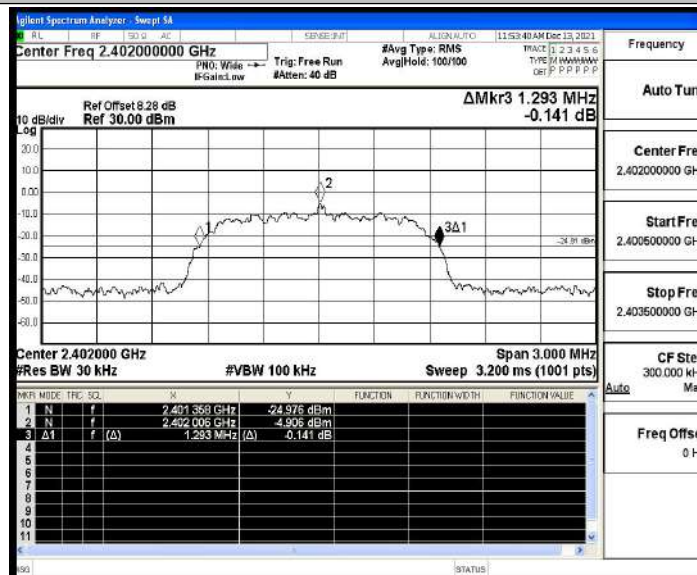
DH5_Ant1_2441



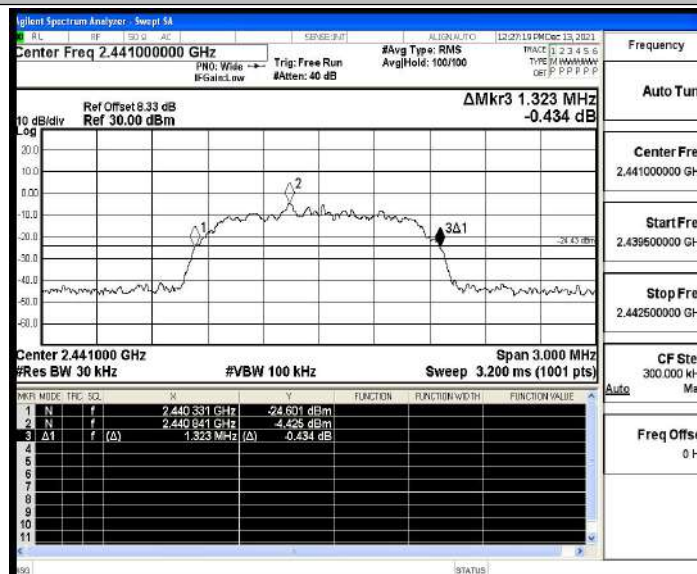
DH5_Ant1_2480



2DH5_Ant1_2402

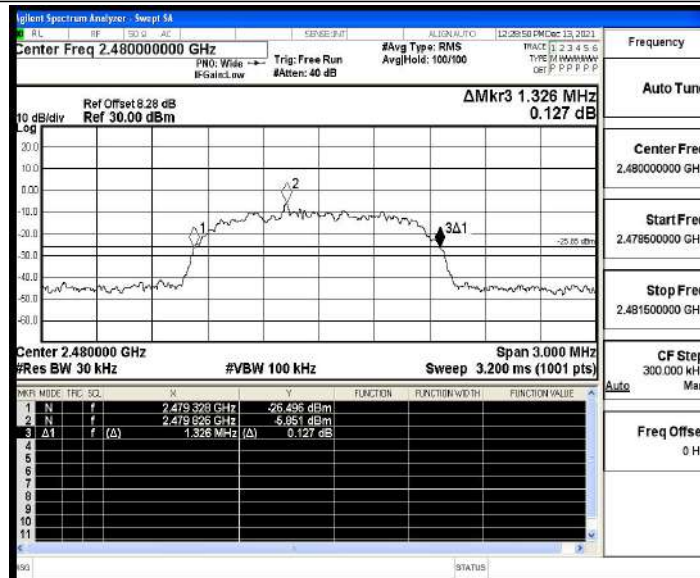


2DH5_Ant1_2441

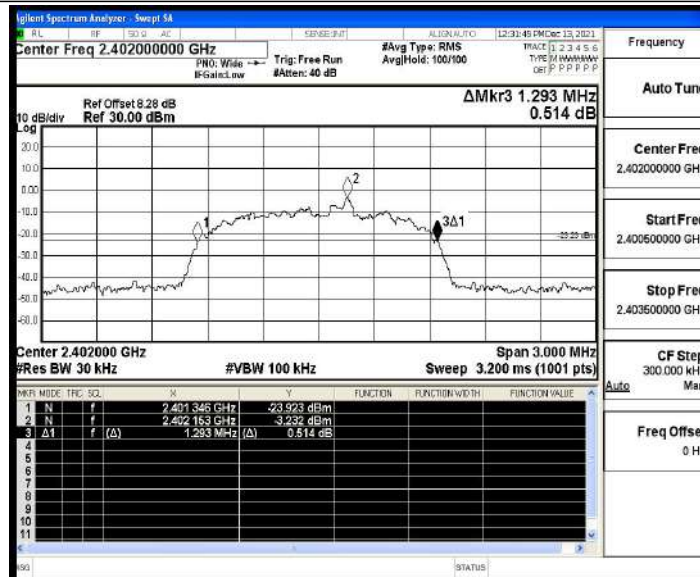




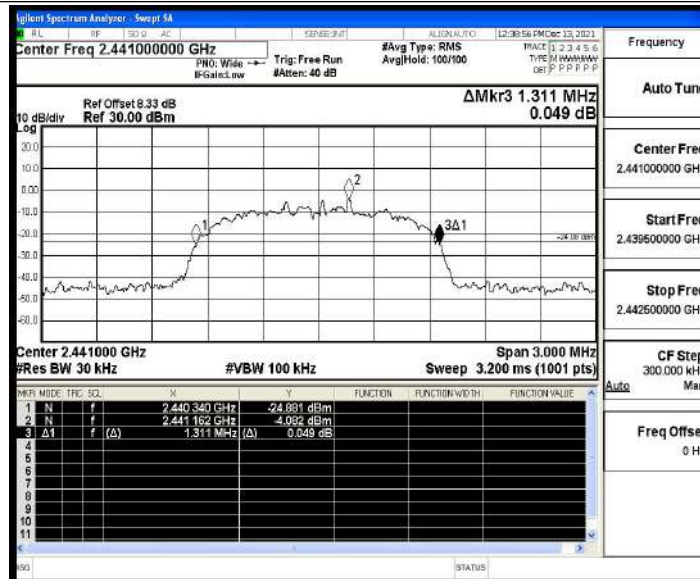
2DH5_Ant1_2480



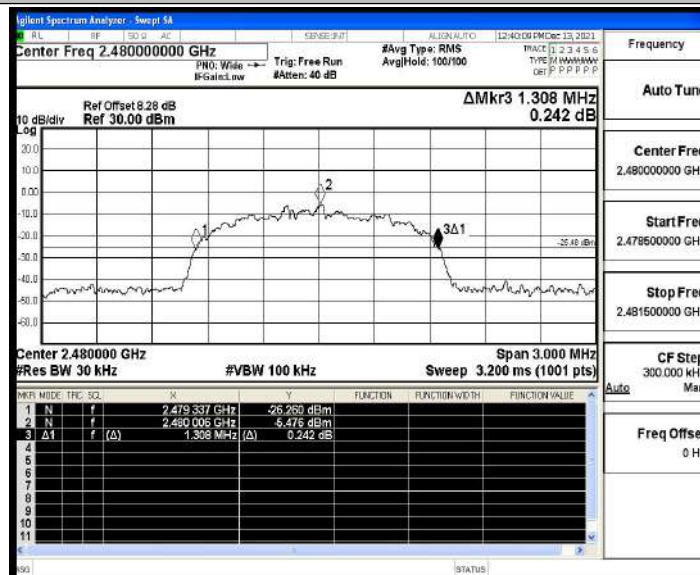
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480





A.2 Maximum peak conducted output power

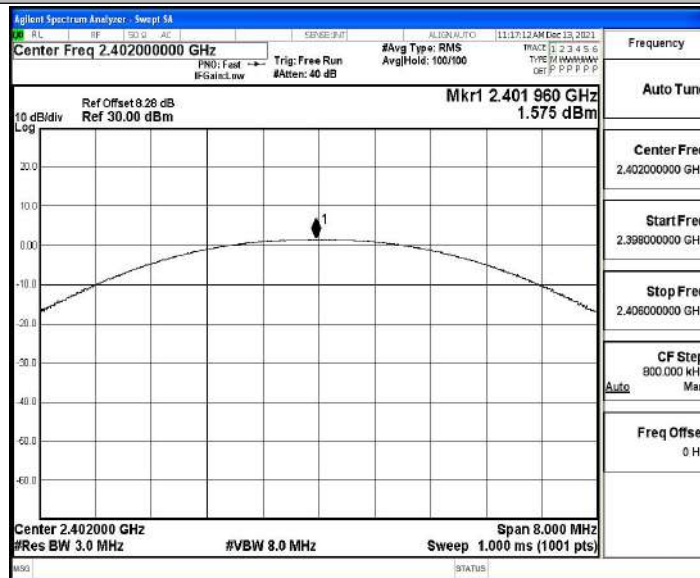
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	1.58	≤20.97	PASS
		2441	1.95	≤20.97	PASS
		2480	0.51	≤20.97	PASS
2DH5	Ant1	2402	-0.09	≤20.97	PASS
		2441	1.05	≤20.97	PASS
		2480	-0.41	≤20.97	PASS
3DH5	Ant1	2402	0.18	≤20.97	PASS
		2441	1.18	≤20.97	PASS
		2480	-0.25	≤20.97	PASS

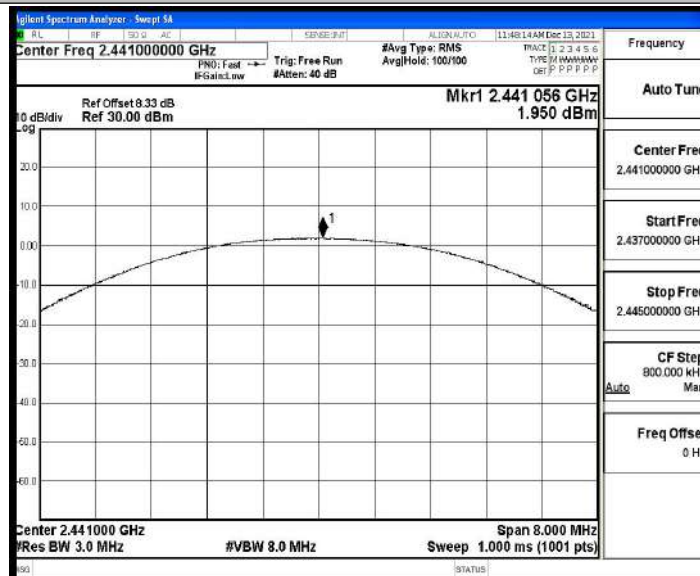


Test Graphs

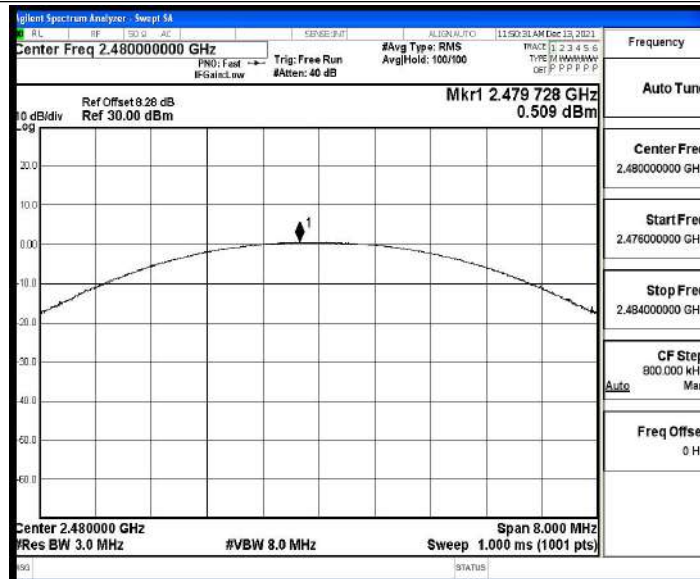
DH5_Ant1_2402



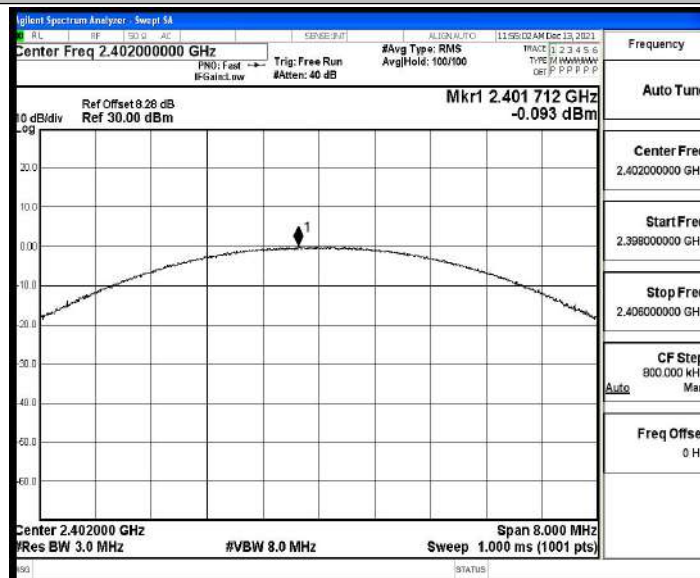
DH5_Ant1_2441



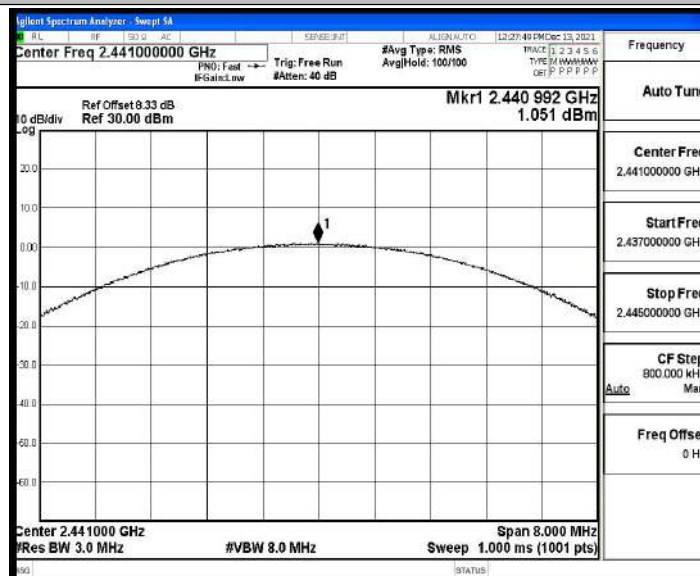
DH5_Ant1_2480



2DH5_Ant1_2402

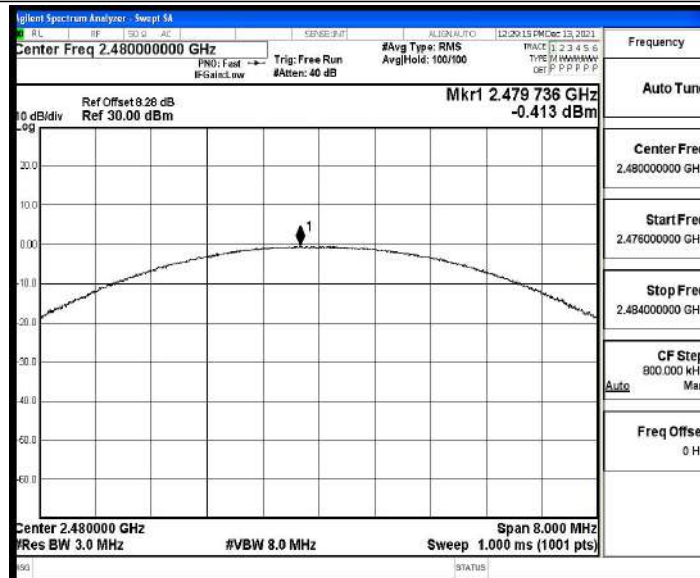


2DH5_Ant1_2441

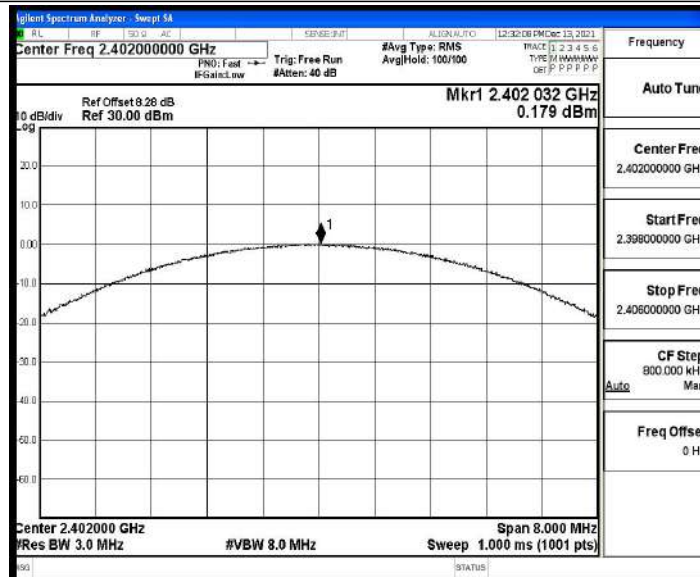




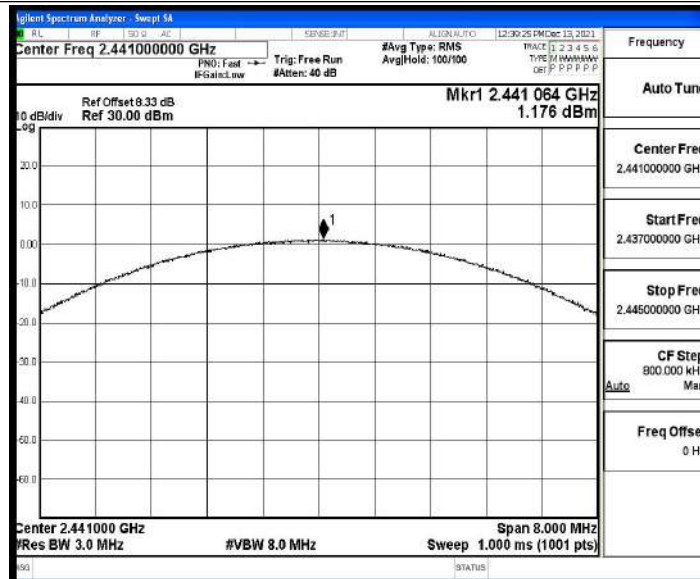
2DH5_Ant1_2480



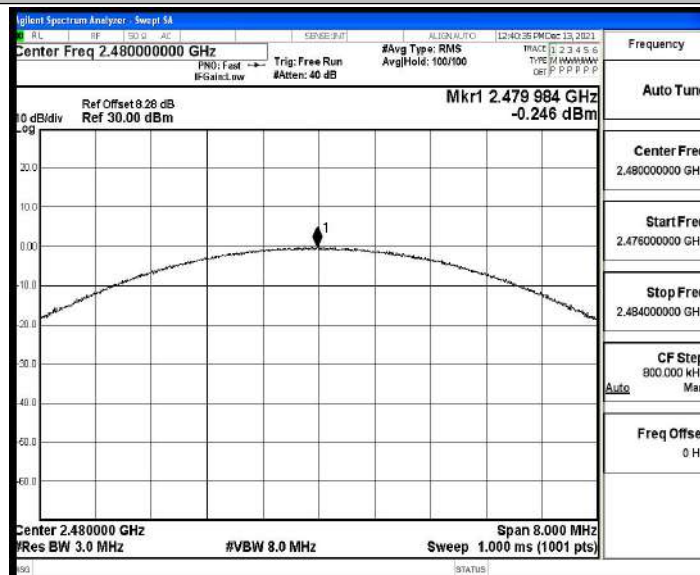
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480





A.3 Carrier frequency separation

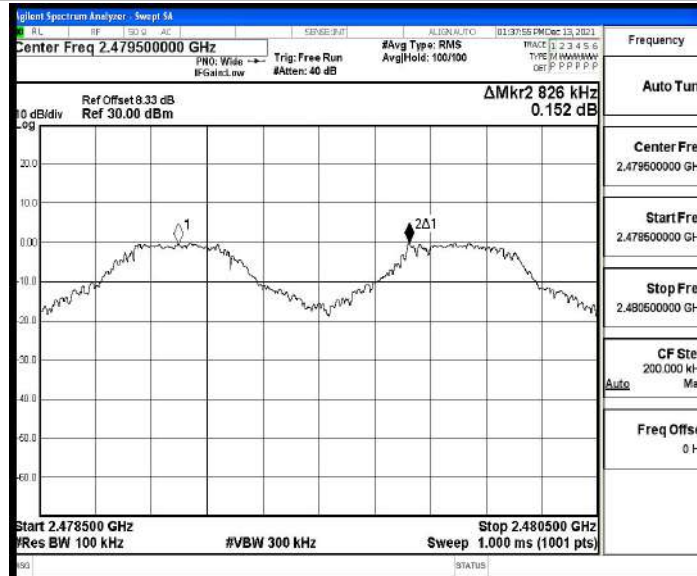
Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.826	≥ 0.694	PASS
2DH5	Ant1	Hop	0.984	≥ 0.884	PASS
3DH5	Ant1	Hop	1.024	≥ 0.874	PASS

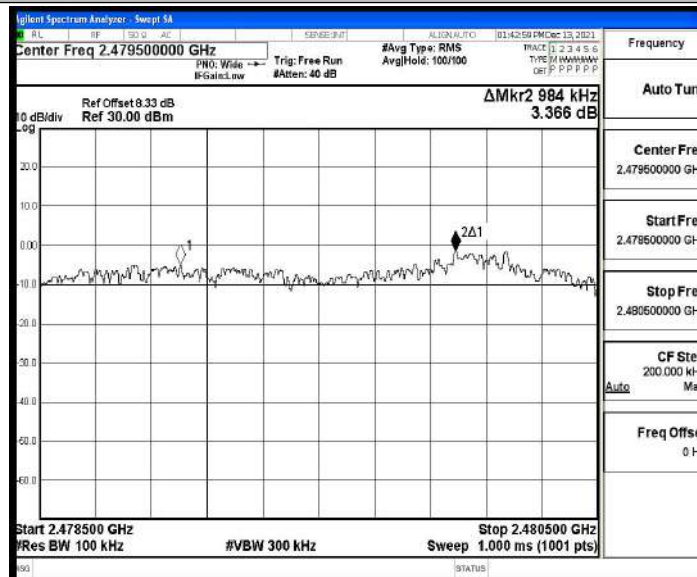


Test Graphs

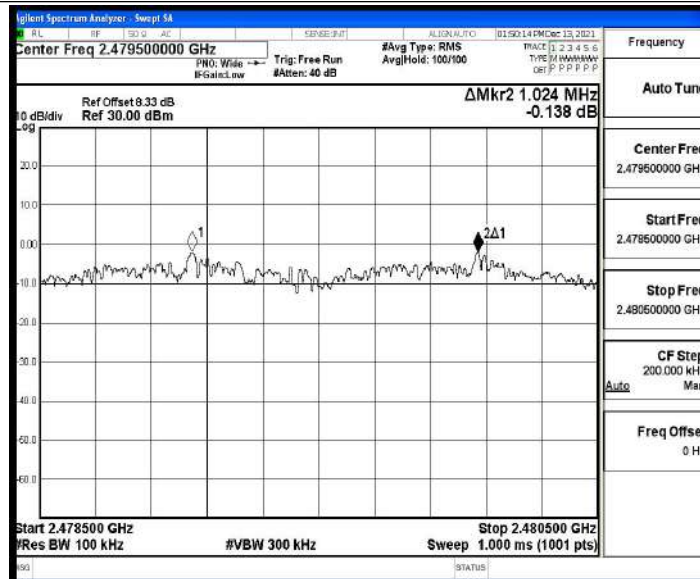
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

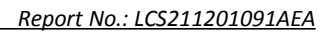


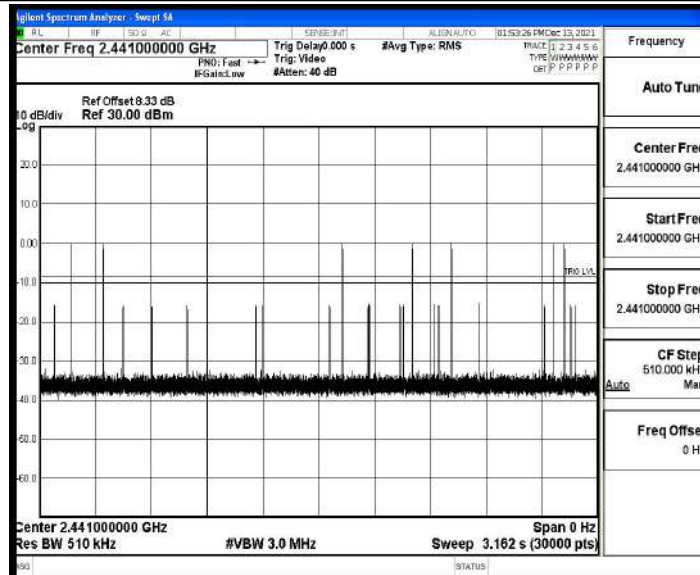
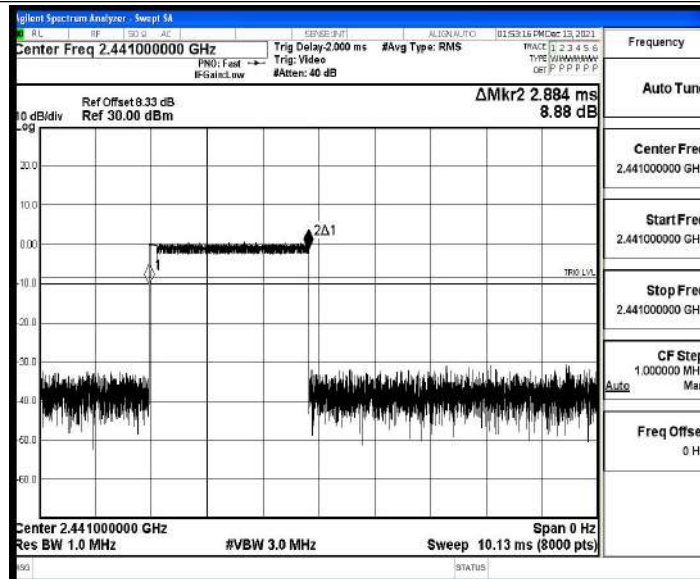


A.4 Time of occupancy

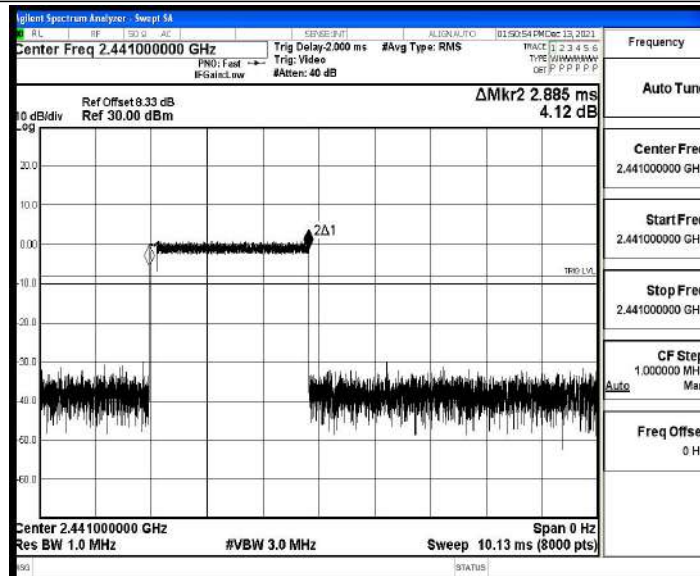
Test Result

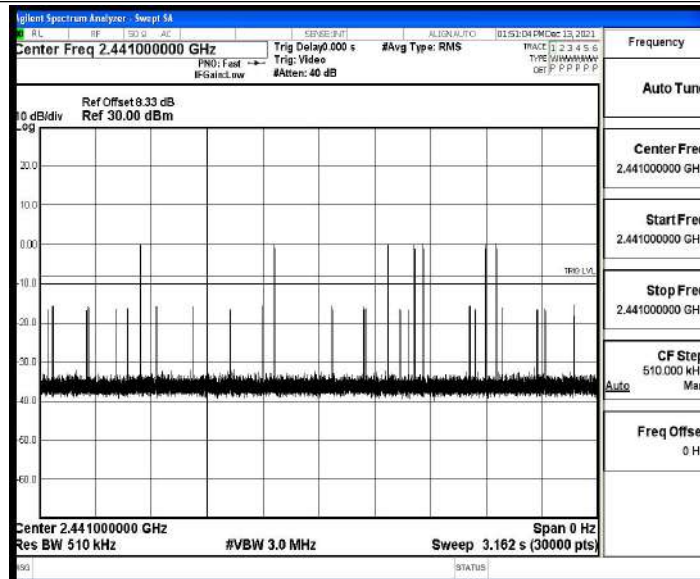
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.88	80	0.23	≤0.4	PASS
2DH5	Ant1	Hop	2.88	80	0.231	≤0.4	PASS
3DH5	Ant1	Hop	2.89	80	0.231	≤0.4	PASS





3DH5_Ant1_Hop







A.5 Number of hopping channels

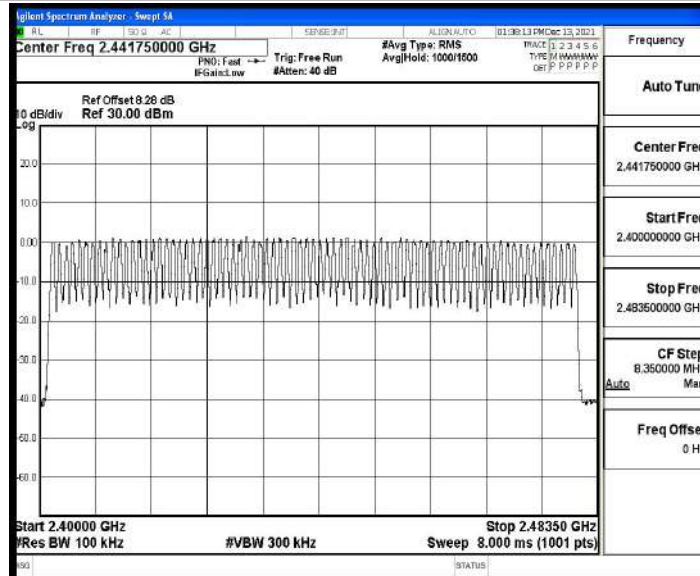
Test Result

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

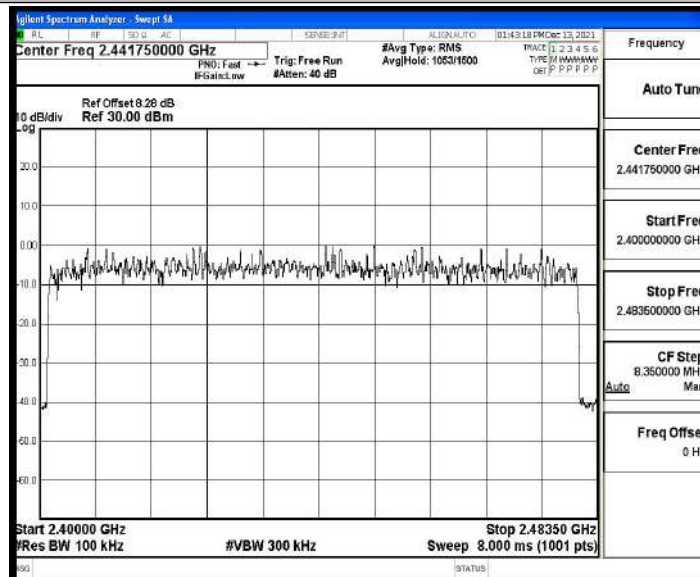


Test Graphs

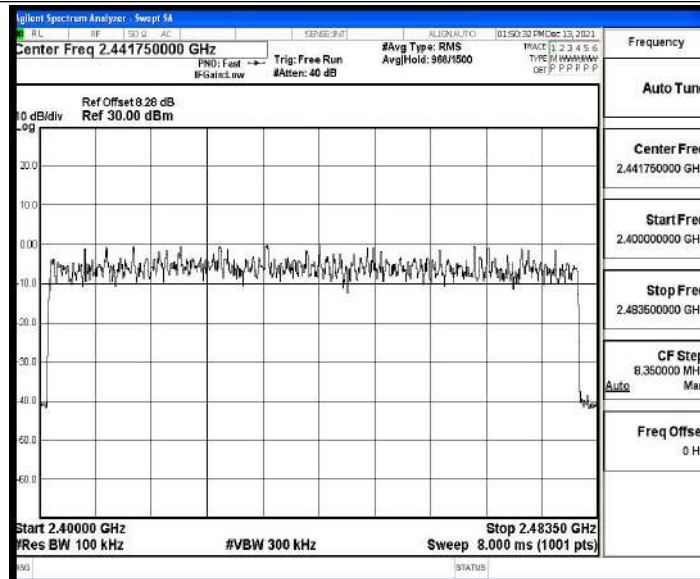
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





A.6 Band edge measurements

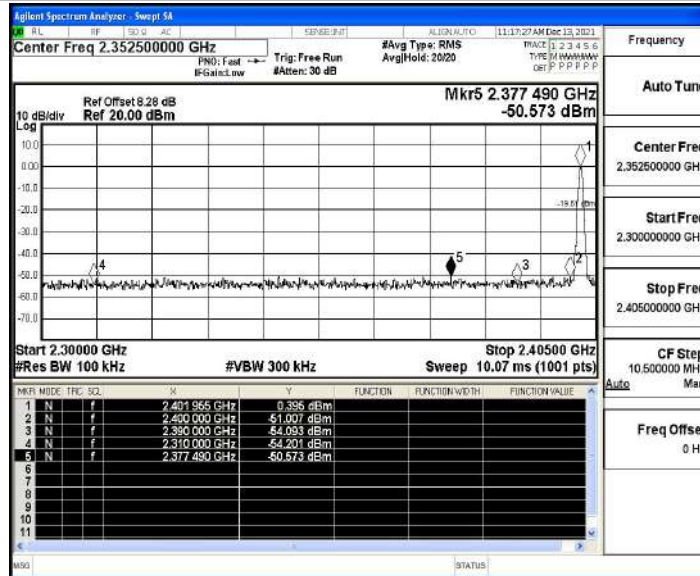
Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.40	-50.57	≤ -19.61	PASS
		High	2480	-0.67	-49.28	≤ -20.67	PASS
		Low	Hop_2402	-0.05	-48.95	≤ -20.05	PASS
		High	Hop_2480	0.29	-47.36	≤ -19.71	PASS
2DH5	Ant1	Low	2402	-3.11	-49.35	≤ -23.11	PASS
		High	2480	-5.17	-49.07	≤ -25.17	PASS
		Low	Hop_2402	-2.25	-48.83	≤ -22.25	PASS
		High	Hop_2480	-1.80	-47.95	≤ -21.8	PASS
3DH5	Ant1	Low	2402	-3.17	-50.25	≤ -23.17	PASS
		High	2480	-4.40	-49.66	≤ -24.4	PASS
		Low	Hop_2402	-4.48	-48.82	≤ -24.48	PASS
		High	Hop_2480	-1.75	-48.11	≤ -21.75	PASS

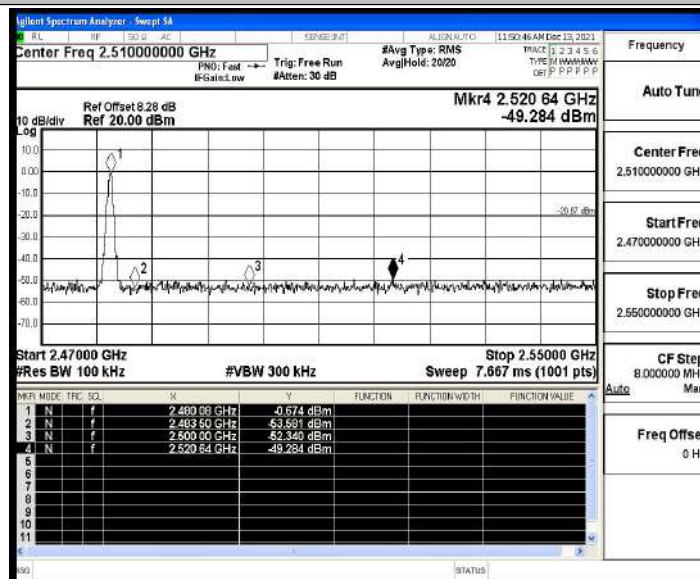


Test Graphs

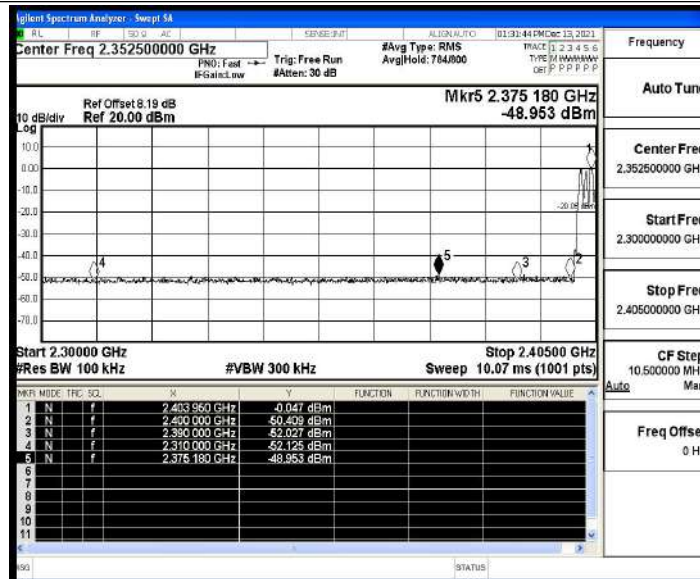
DH5_Ant1_Low_2402



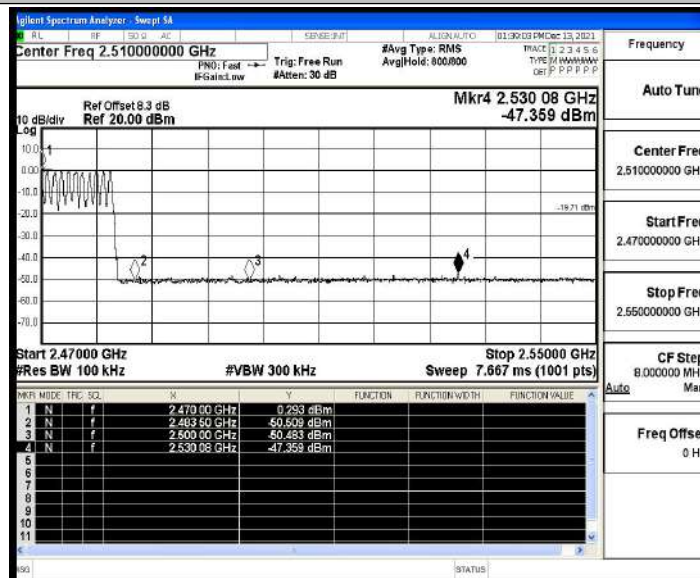
DH5_Ant1_High_2480



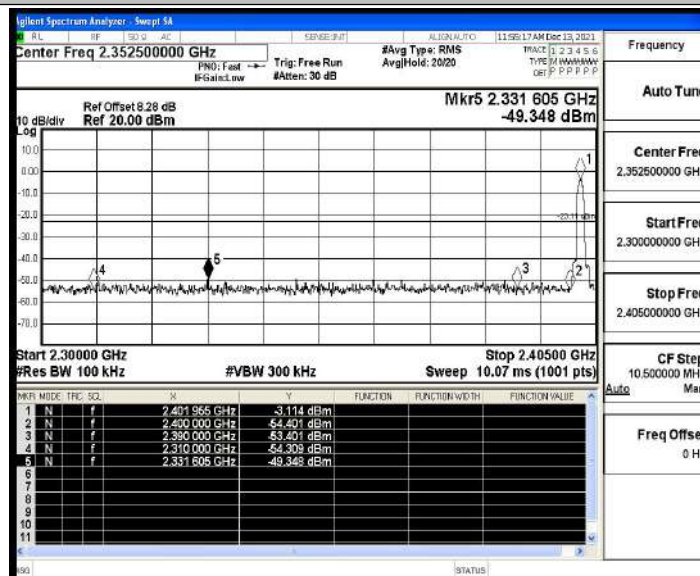
DH5_Ant1_Low_Hop_2402



DH5_Ant1_High_Hop_2480

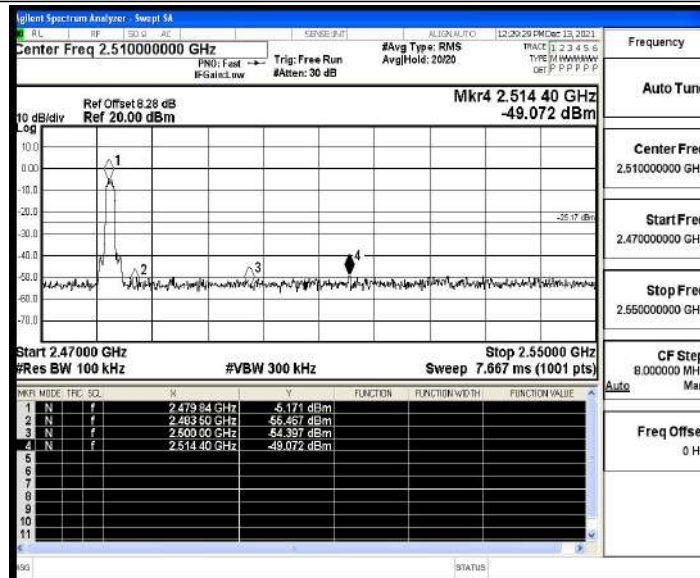


2DH5_Ant1_Low_2402

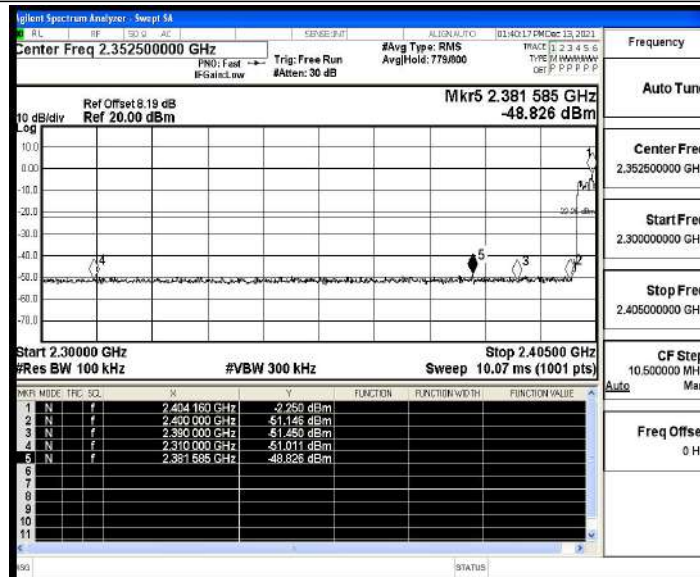




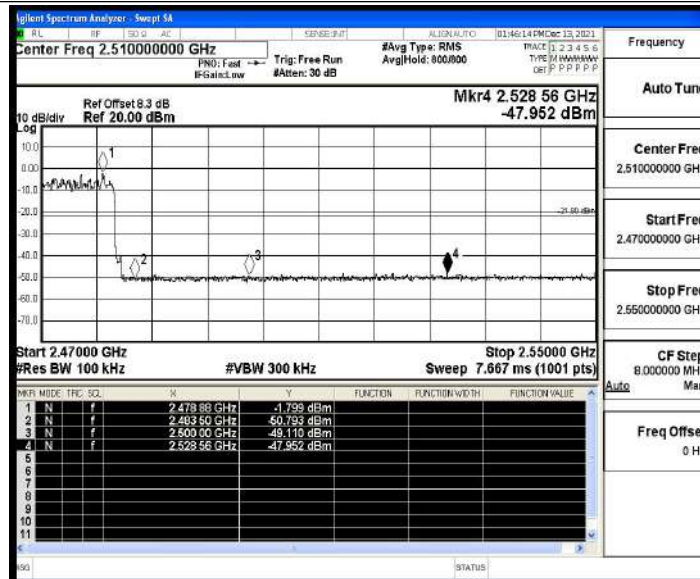
2DH5_Ant1_High_2480



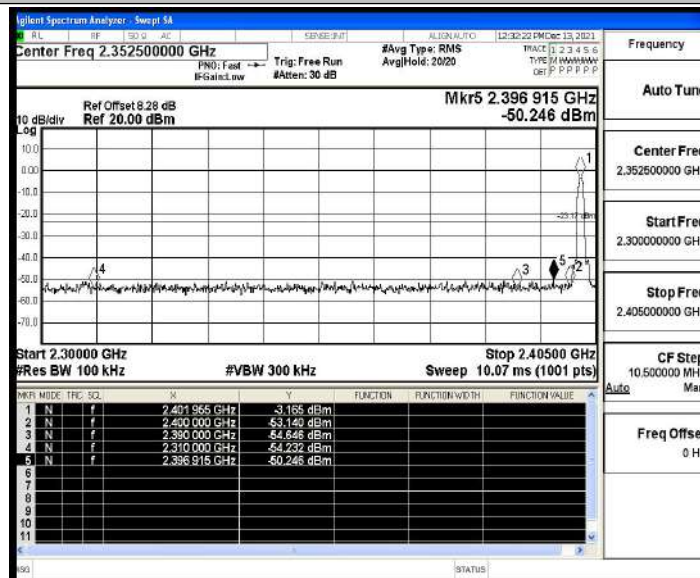
2DH5_Ant1_Low_Hop_2402



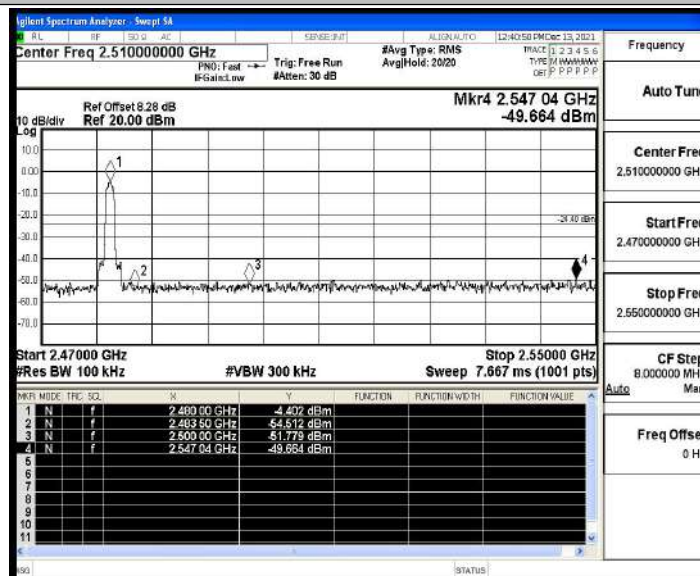
2DH5_Ant1_High_Hop_2480



3DH5_Ant1_Low_2402

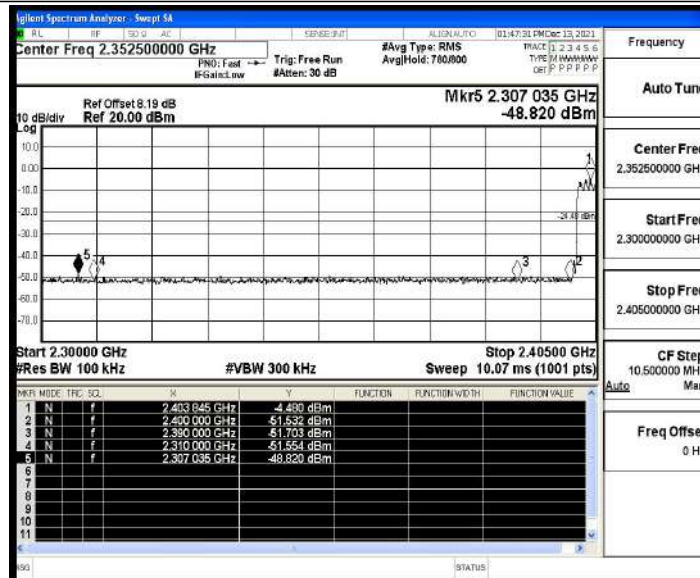


3DH5_Ant1_High_2480

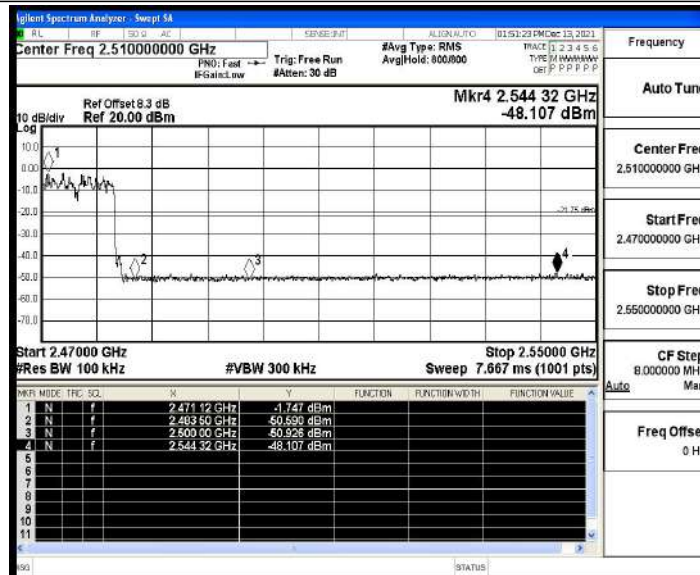




3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480





A.7 Conducted Spurious Emission

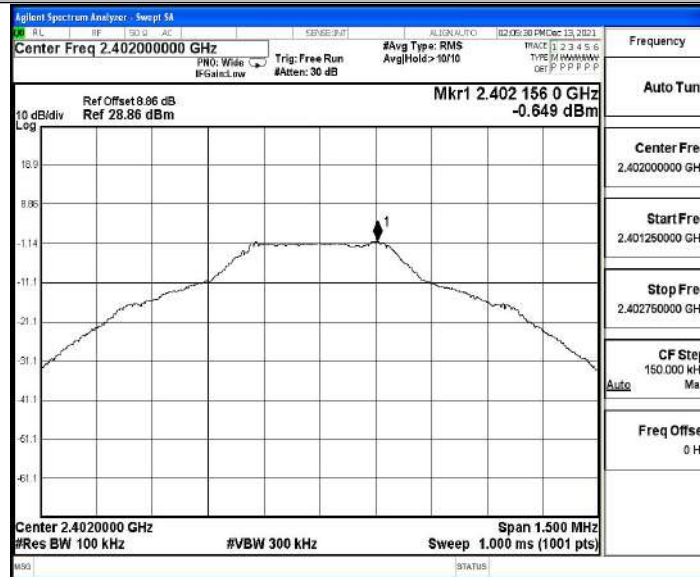
Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.66	-0.66	---	PASS
			30~1000	-0.66	-60.31	≤ -20.66	PASS
			1000~26500	-0.66	-45.32	≤ -20.66	PASS
		2441	Reference	-0.20	-0.20	---	PASS
			30~1000	-0.20	-60.84	≤ -20.2	PASS
			1000~26500	-0.20	-46.29	≤ -20.2	PASS
		2480	Reference	-0.37	-0.37	---	PASS
			30~1000	-0.37	-60.55	≤ -20.37	PASS
			1000~26500	-0.37	-45.31	≤ -20.37	PASS
2DH5	Ant1	2402	Reference	-1.67	-1.67	---	PASS
			30~1000	-1.67	-59.93	≤ -21.67	PASS
			1000~26500	-1.67	-45.86	≤ -21.67	PASS
		2441	Reference	-1.29	-1.29	---	PASS
			30~1000	-1.29	-59.96	≤ -21.29	PASS
			1000~26500	-1.29	-46.25	≤ -21.29	PASS
		2480	Reference	-1.33	-1.33	---	PASS
			30~1000	-1.33	-60.26	≤ -21.33	PASS
			1000~26500	-1.33	-45.64	≤ -21.33	PASS
3DH5	Ant1	2402	Reference	-1.65	-1.65	---	PASS
			30~1000	-1.65	-60.25	≤ -21.65	PASS
			1000~26500	-1.65	-45.61	≤ -21.65	PASS
		2441	Reference	-1.20	-1.20	---	PASS
			30~1000	-1.20	-59.82	≤ -21.2	PASS
			1000~26500	-1.20	-45.46	≤ -21.2	PASS
		2480	Reference	-1.47	-1.47	---	PASS
			30~1000	-1.47	-60.38	≤ -21.47	PASS
			1000~26500	-1.47	-46.2	≤ -21.47	PASS

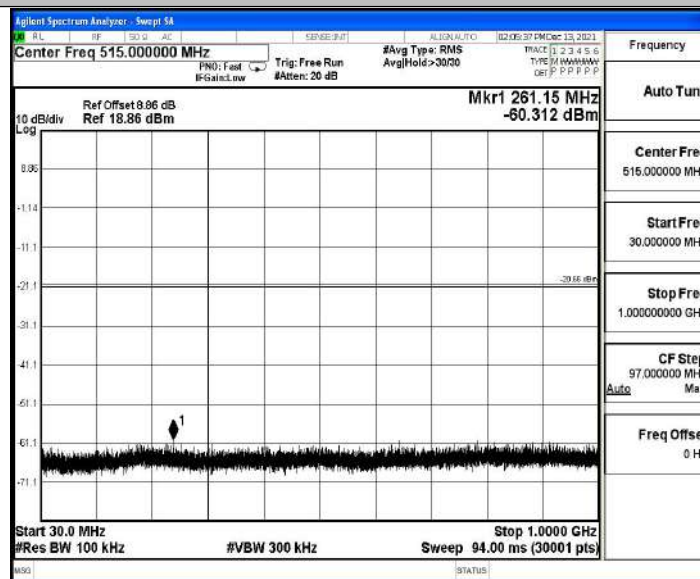


Test Graphs

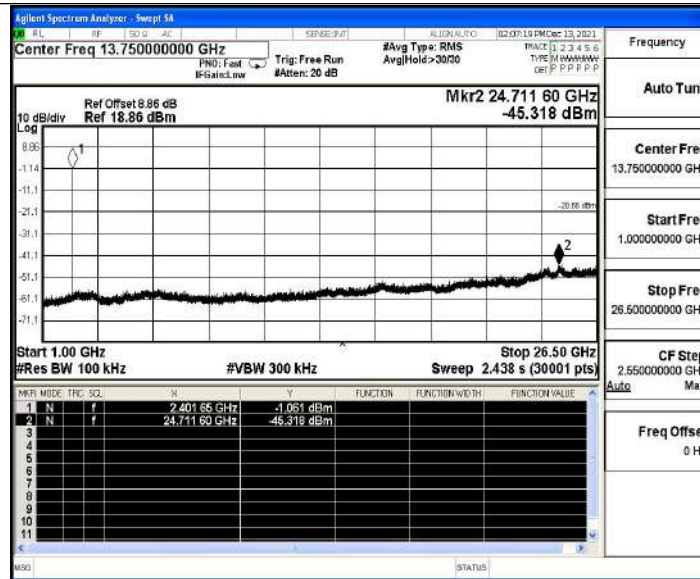
DH5_Ant1_2402_0~Reference



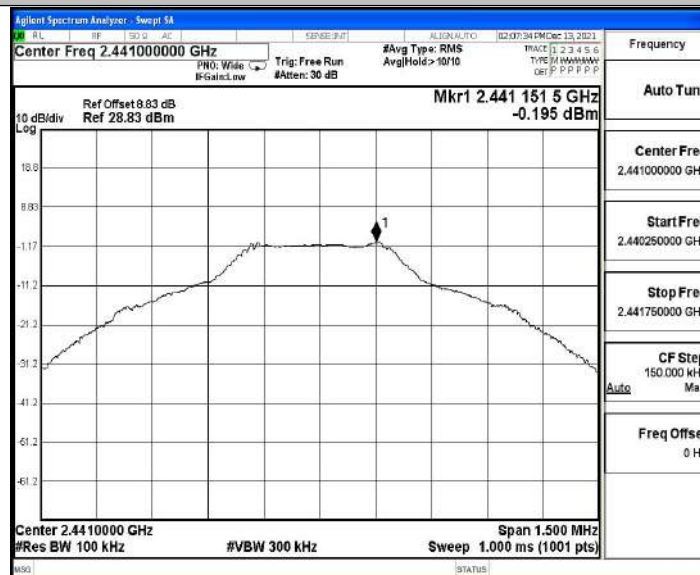
DH5_Ant1_2402_30~1000



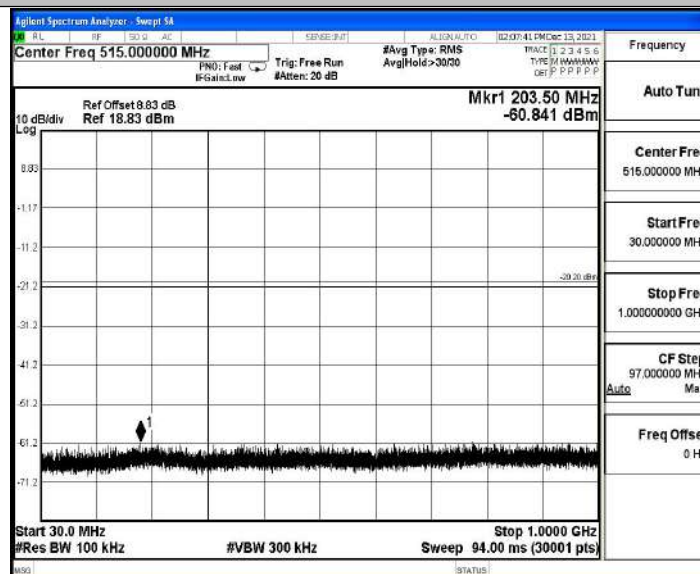
DH5_Ant1_2402_1000~26500



DH5_Ant1_2441_0~Reference

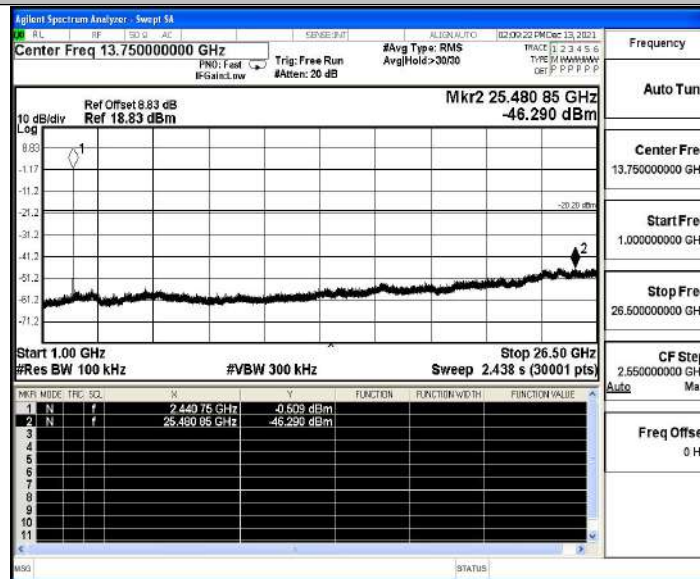


DH5_Ant1_2441_30~1000

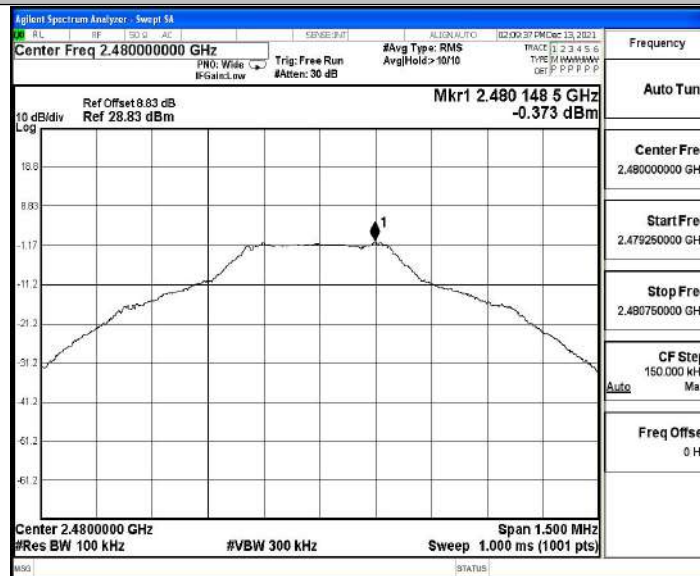




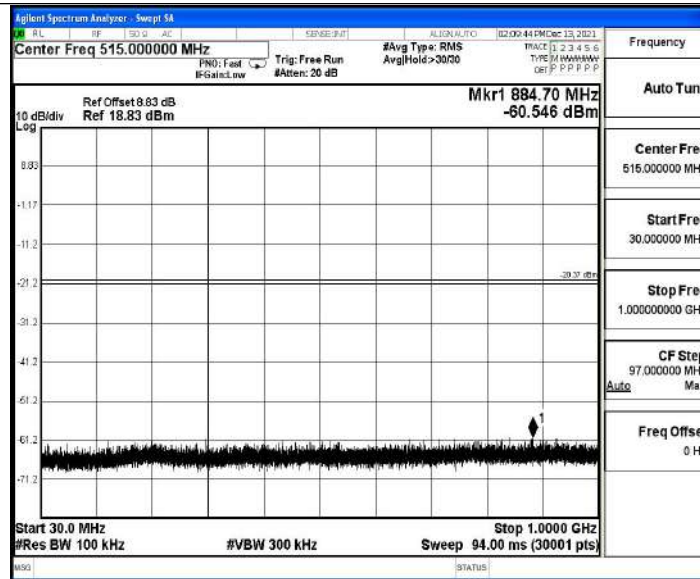
DH5_Ant1_2441_1000~26500



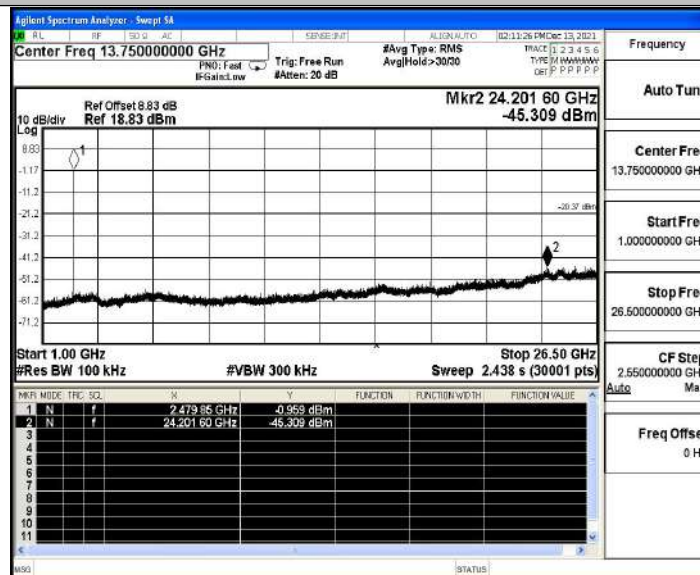
DH5_Ant1_2480_0~Reference



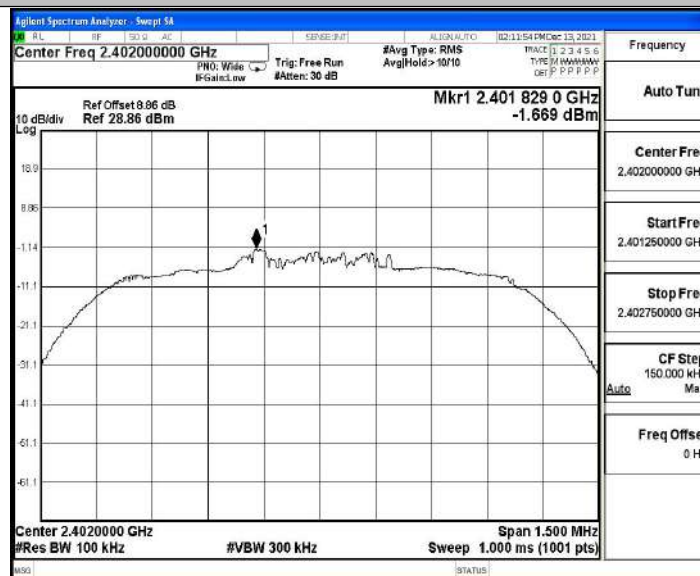
DH5_Ant1_2480_30~1000



DH5_Ant1_2480_1000~26500

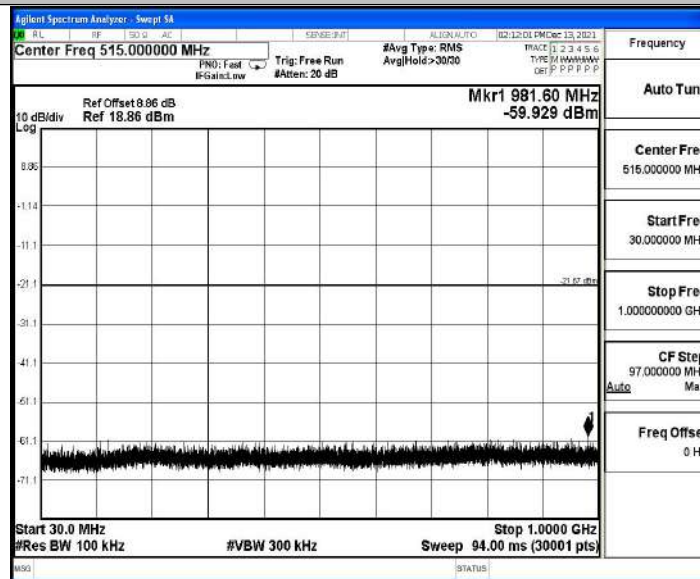


2DH5_Ant1_2402_0~Reference

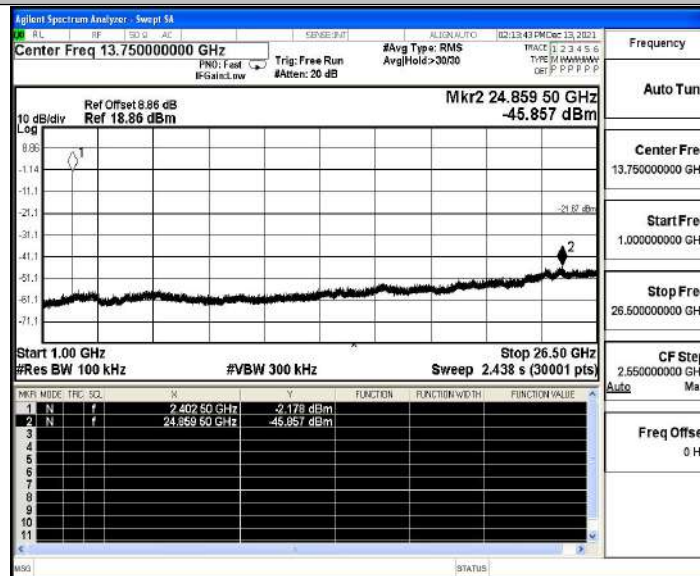




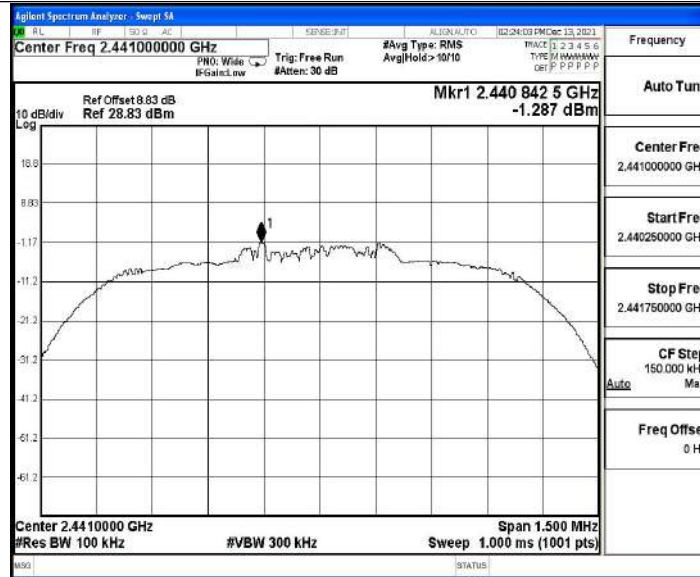
2DH5_Ant1_2402_30~1000



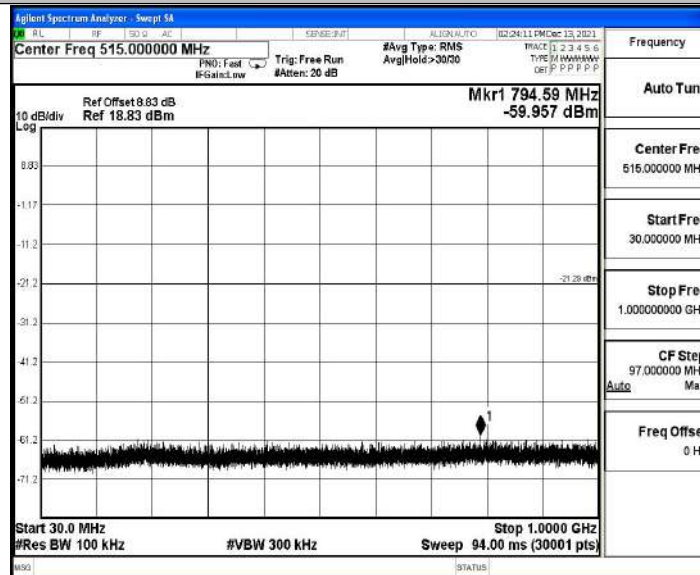
2DH5_Ant1_2402_1000~26500



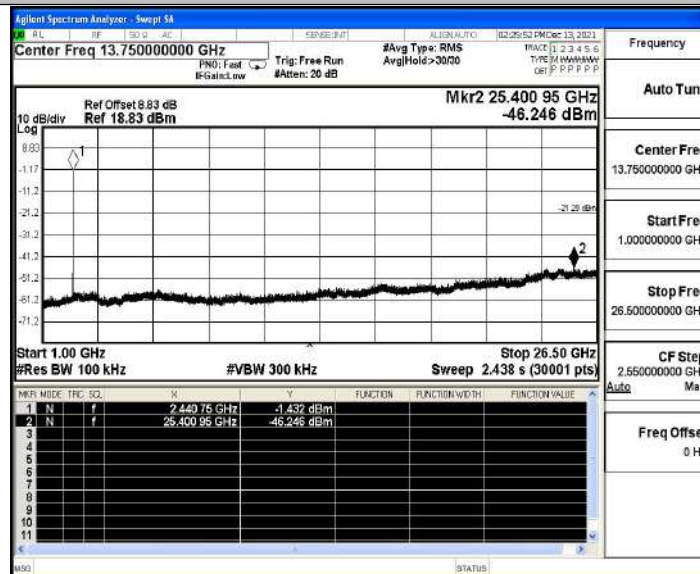
2DH5_Ant1_2441_0~Reference



2DH5_Ant1_2441_30~1000

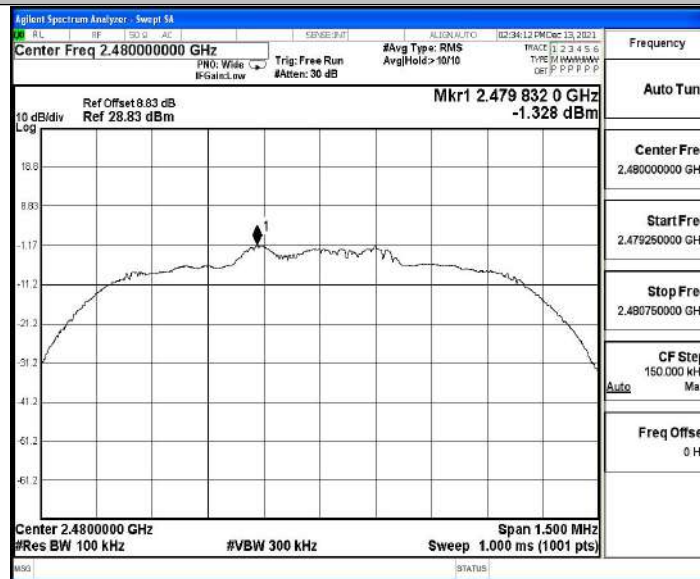


2DH5_Ant1_2441_1000~26500

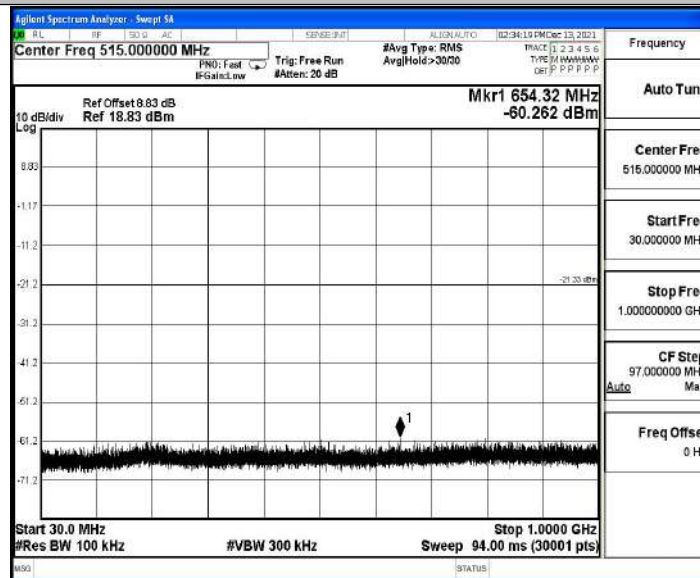




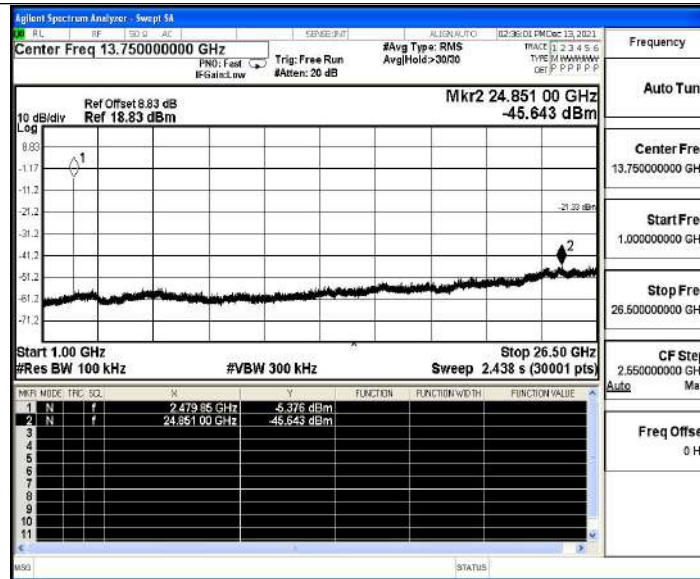
2DH5_Ant1_2480_0~Reference



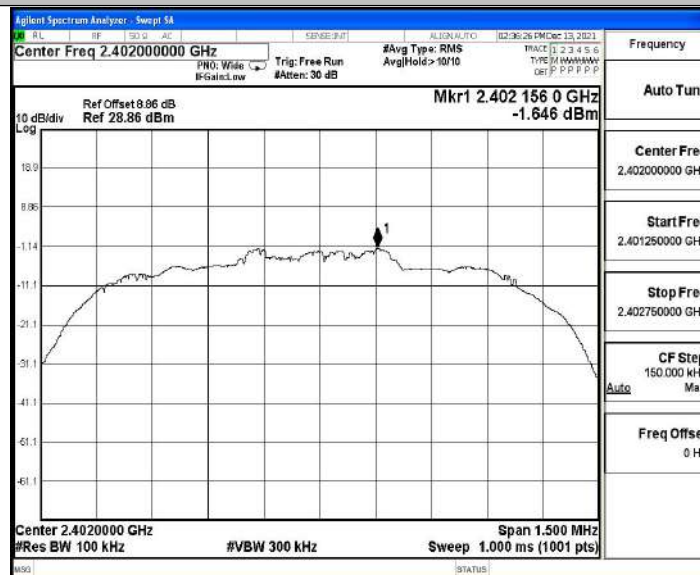
2DH5_Ant1_2480_30~1000



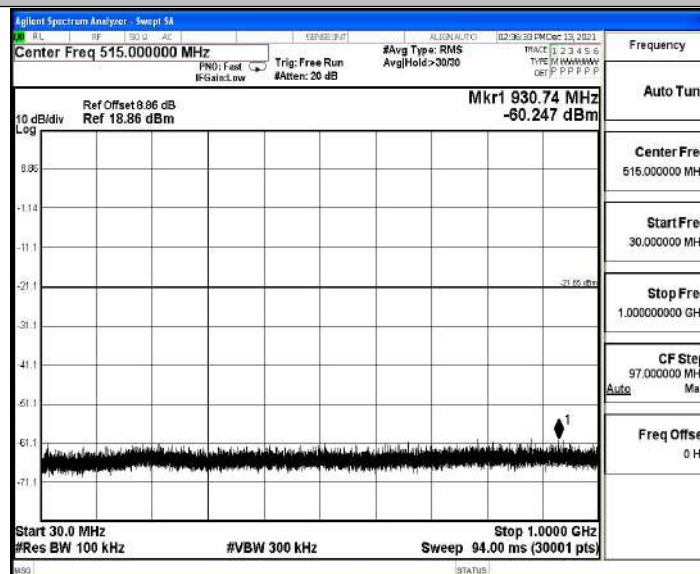
2DH5_Ant1_2480_1000~26500



3DH5_Ant1_2402_0~Reference



3DH5_Ant1_2402_30~1000

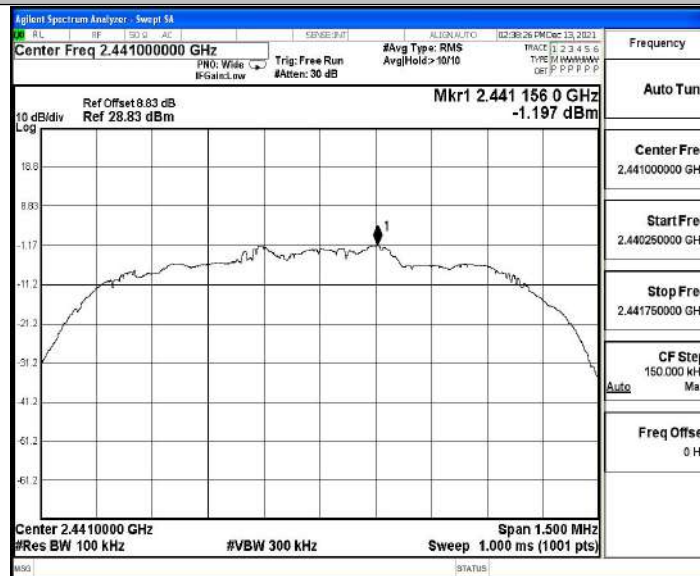




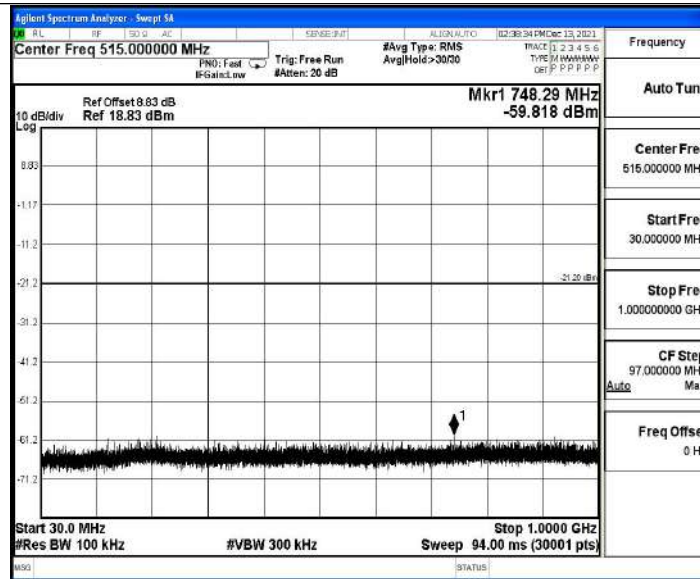
3DH5_Ant1_2402_1000~26500



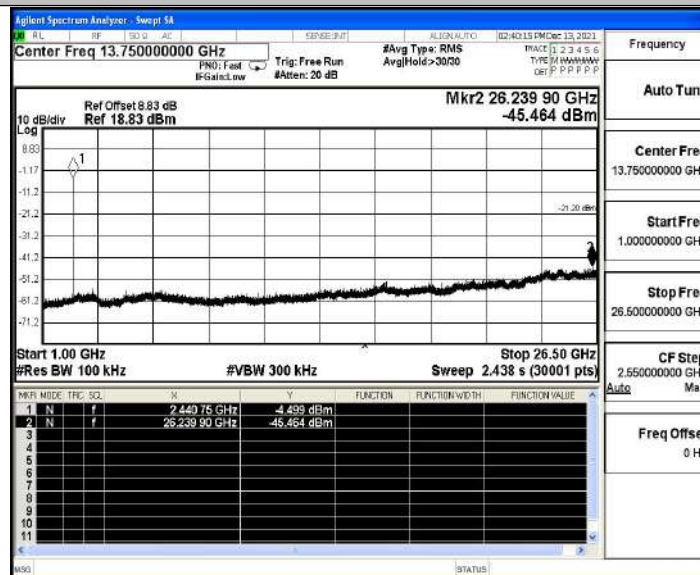
3DH5_Ant1_2441_0~Reference



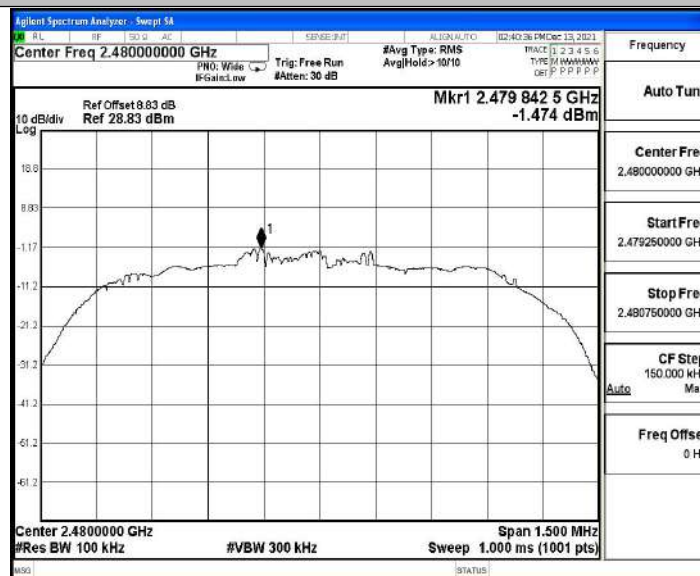
3DH5_Ant1_2441_30~1000



3DH5_Ant1_2441_1000~26500

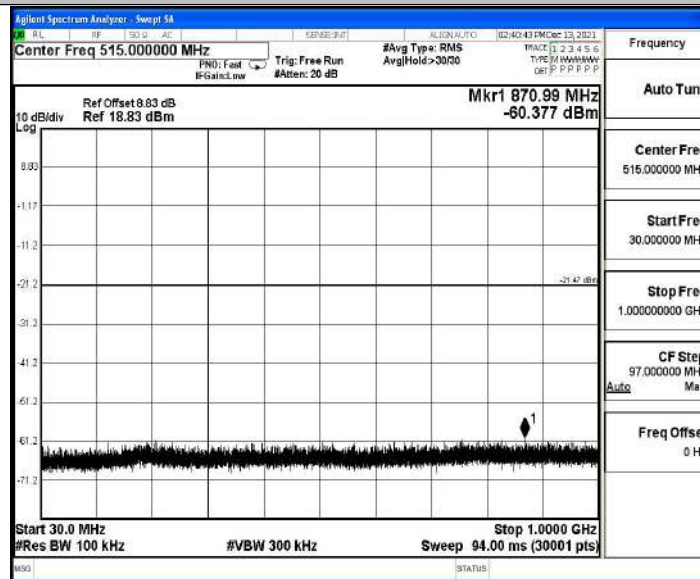


3DH5_Ant1_2480_0~Reference

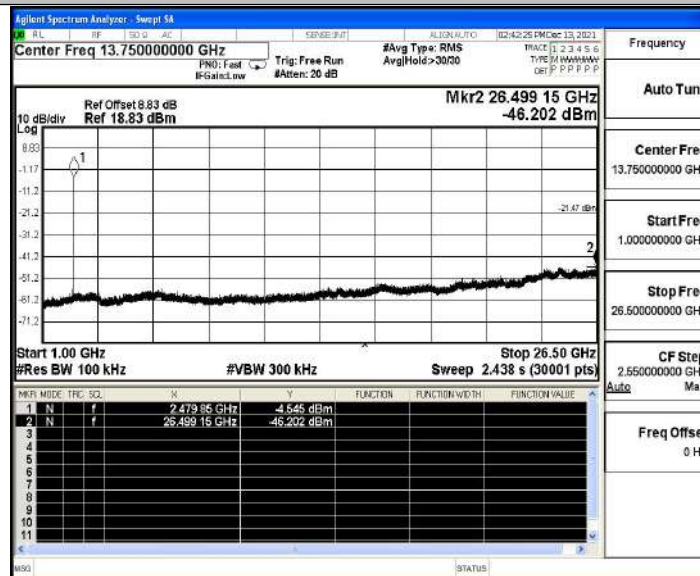




3DH5_Ant1_2480_30~1000



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	-48.62	≤-41.20	46.58	≤54	PASS
				AV	2387.675	-47.95	≤-41.20	47.25	≤54	PASS
				AV	2390.000	-48.25	≤-41.20	46.95	≤54	PASS
				Peak	2310.000	-42.07	≤-21.20	53.13	≤74	PASS
				Peak	2387.570	-38.46	≤-21.20	56.74	≤74	PASS
				Peak	2390.000	-41.83	≤-21.20	53.37	≤74	PASS
		High	2480	AV	2483.500	-47.56	≤-41.20	47.64	≤54	PASS
				AV	2498.000	-47.43	≤-41.20	47.77	≤54	PASS
				AV	2500.000	-47.65	≤-41.20	47.55	≤54	PASS
				Peak	2483.500	-43.12	≤-21.20	52.08	≤74	PASS
				Peak	2493.600	-38.03	≤-21.20	57.17	≤74	PASS
				Peak	2500.000	-42.98	≤-21.20	52.22	≤74	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-48.54	≤-41.20	46.66	≤54	PASS
				AV	2388.305	-48.04	≤-41.20	47.16	≤54	PASS
				AV	2390.000	-48.2	≤-41.20	47.00	≤54	PASS
				Peak	2310.000	-42.57	≤-21.20	52.63	≤74	PASS
				Peak	2350.505	-38.72	≤-21.20	56.48	≤74	PASS
				Peak	2390.000	-43.32	≤-21.20	51.88	≤74	PASS
		High	2480	AV	2483.500	-47.58	≤-41.20	47.62	≤54	PASS
				AV	2496.000	-47.39	≤-41.20	47.81	≤54	PASS
				AV	2500.000	-47.68	≤-41.20	47.52	≤54	PASS
				Peak	2483.500	-39.43	≤-21.20	55.77	≤74	PASS
				Peak	2493.680	-38.97	≤-21.20	56.23	≤74	PASS
				Peak	2500.000	-42.1	≤-21.20	53.10	≤74	PASS
3DH5	Ant1	Low	2402	AV	2310.000	-48.54	≤-41.20	46.66	≤54	PASS
				AV	2387.360	-47.98	≤-41.20	47.22	≤54	PASS
				AV	2390.000	-48.14	≤-41.20	47.06	≤54	PASS
				Peak	2310.000	-42.39	≤-21.20	52.81	≤74	PASS
				Peak	2327.090	-38.33	≤-21.20	56.87	≤74	PASS
				Peak	2390.000	-42.53	≤-21.20	52.67	≤74	PASS
		High	2480	AV	2483.500	-47.48	≤-41.20	47.72	≤54	PASS
				AV	2499.840	-47.43	≤-41.20	47.77	≤54	PASS
				AV	2500.000	-47.48	≤-41.20	47.72	≤54	PASS
				Peak	2483.500	-40.29	≤-21.20	54.91	≤74	PASS
				Peak	2487.200	-38.52	≤-21.20	56.68	≤74	PASS
				Peak	2500.000	-42.77	≤-21.20	52.43	≤74	PASS



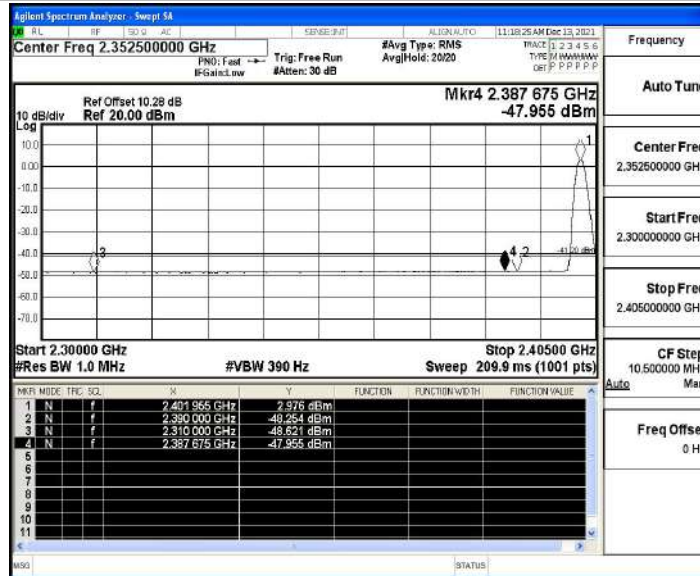
Note:

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.

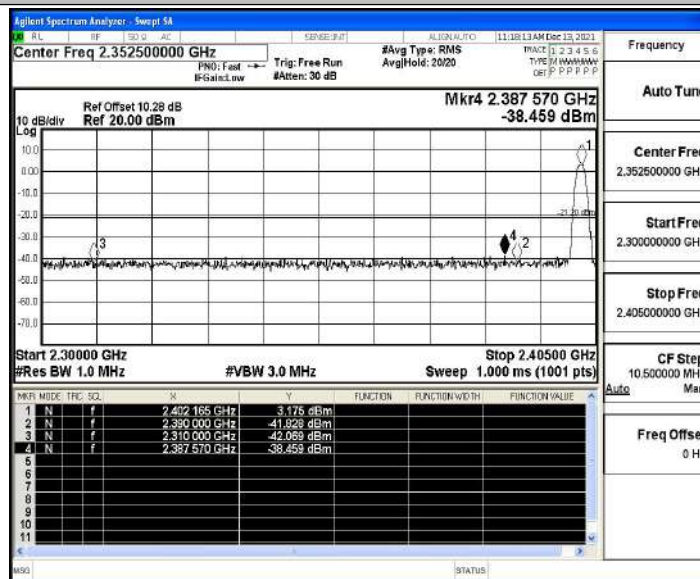


Test Graphs

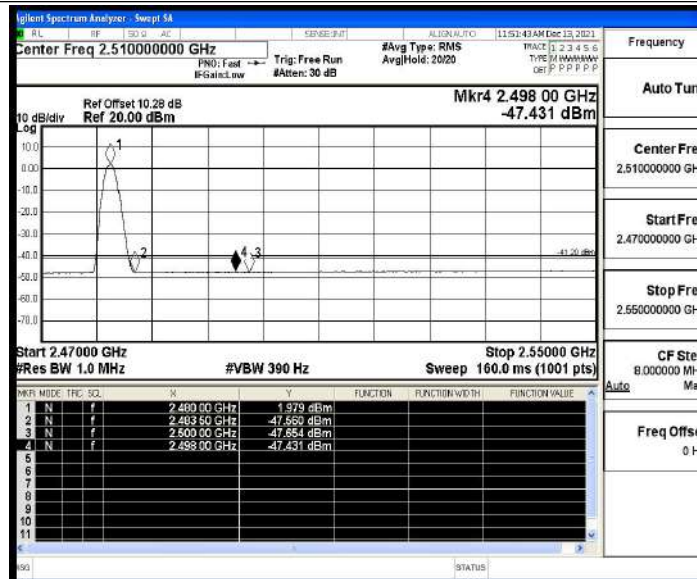
DH5_Ant1_Low_2402_AV



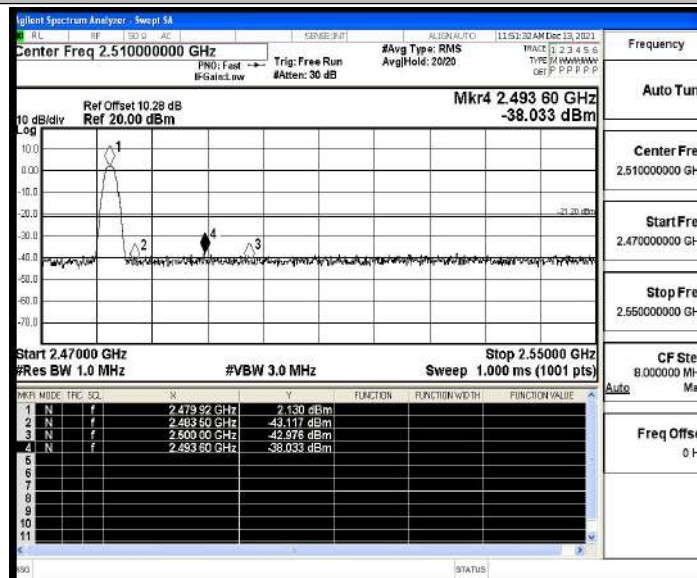
DH5_Ant1_Low_2402_Peak



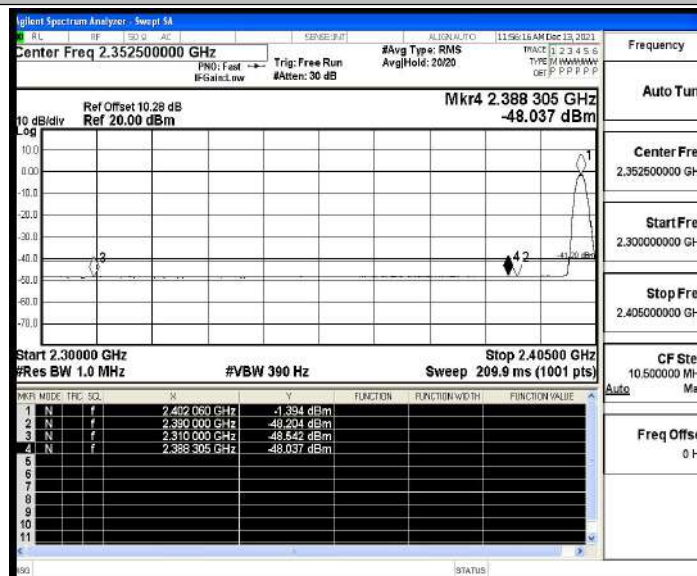
DH5_Ant1_High_2480_AV



DH5_Ant1_High_2480_Peak

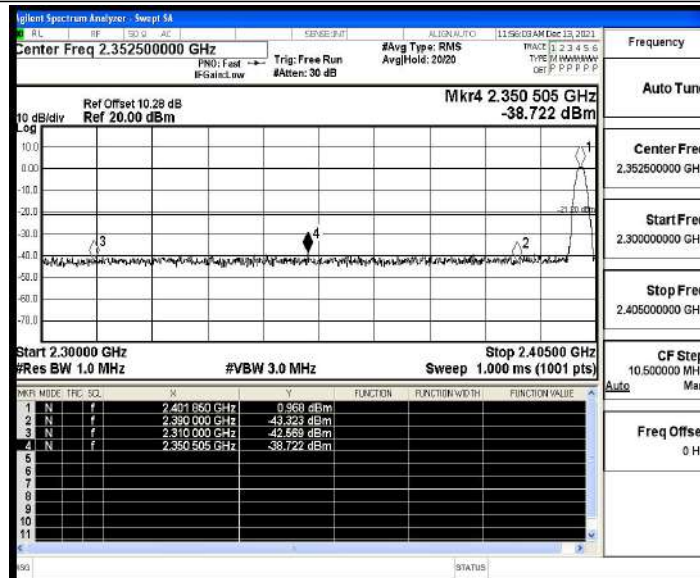


2DH5_Ant1_Low_2402_AV

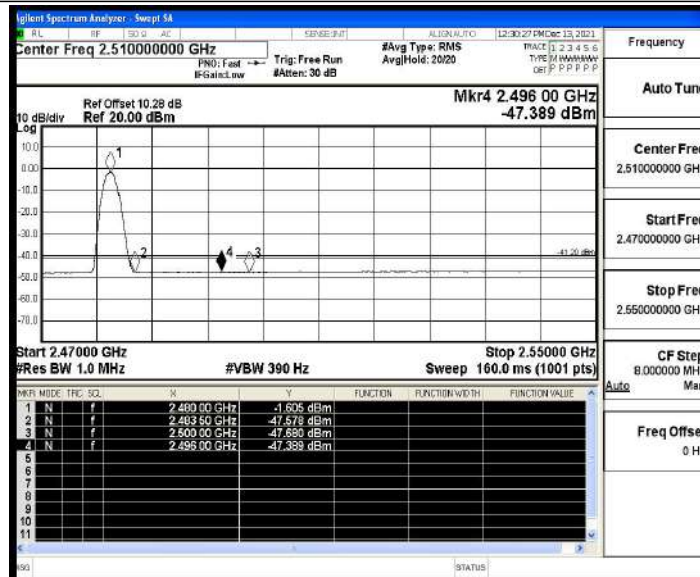




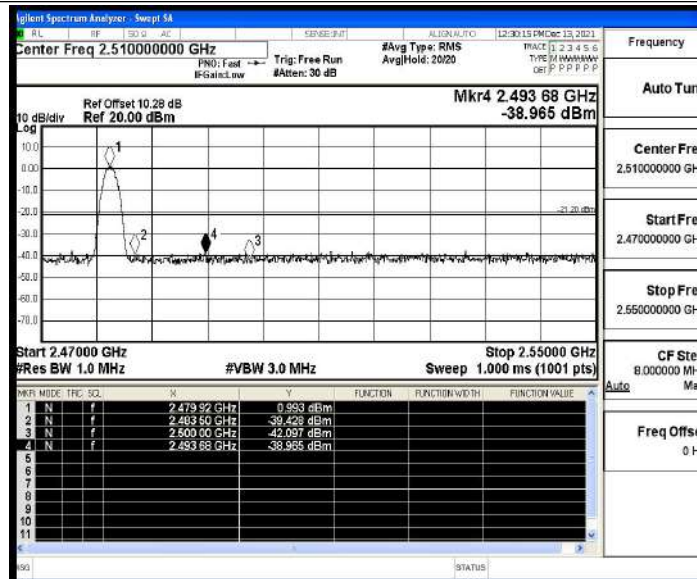
2DH5_Ant1_Low_2402_Peak



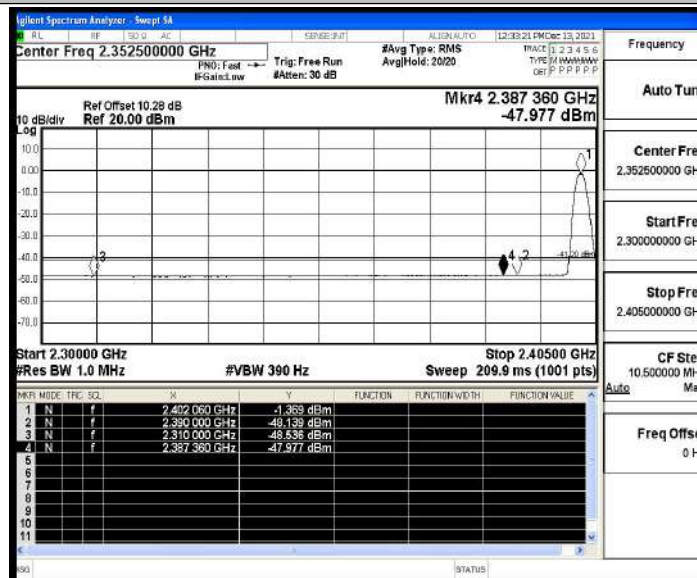
2DH5_Ant1_High_2480_AV



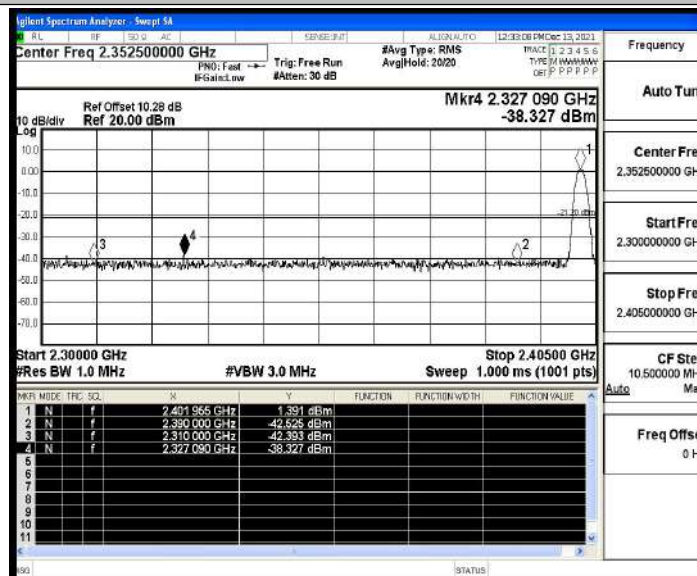
2DH5_Ant1_High_2480_Peak



3DH5_Ant1_Low_2402_AV

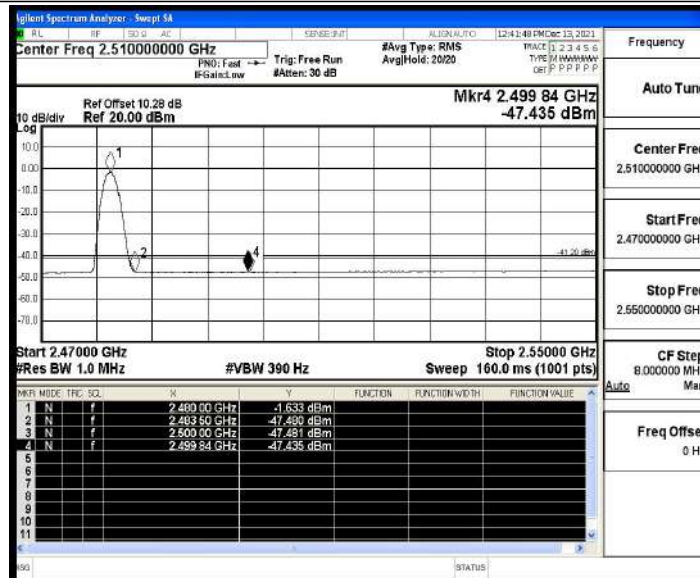


3DH5_Ant1_Low_2402_Peak





3DH5_Ant1_High_2480_AV



3DH5_Ant1_High_2480_Peak

