



Appendix A

RF Test Data for BT V4.2 (DSS) (Conducted Measurement)

Product Name: Tablet

Test Model: 8WB1

Environmental Conditions

Temperature:	23.7°C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	 Monkey Li
Supervised by:	 Li Huan



A.1 20dB Emission Bandwidth

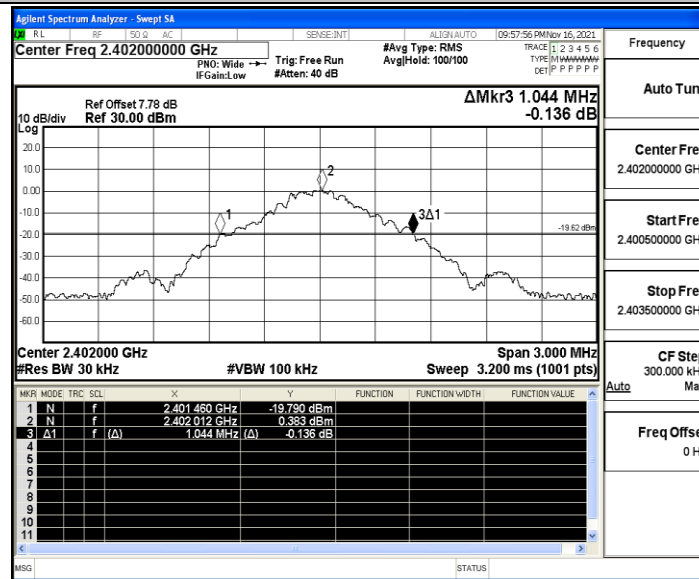
Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.044	2401.460	2402.504	---	PASS
		2441	1.023	2440.472	2441.495	---	PASS
		2480	0.963	2479.529	2480.492	---	PASS
2DH5	Ant1	2402	1.296	2401.361	2402.657	---	PASS
		2441	1.359	2440.325	2441.684	---	PASS
		2480	1.305	2479.349	2480.654	---	PASS
3DH5	Ant1	2402	1.305	2401.346	2402.651	---	PASS
		2441	1.320	2440.340	2441.660	---	PASS
		2480	1.275	2479.349	2480.624	---	PASS

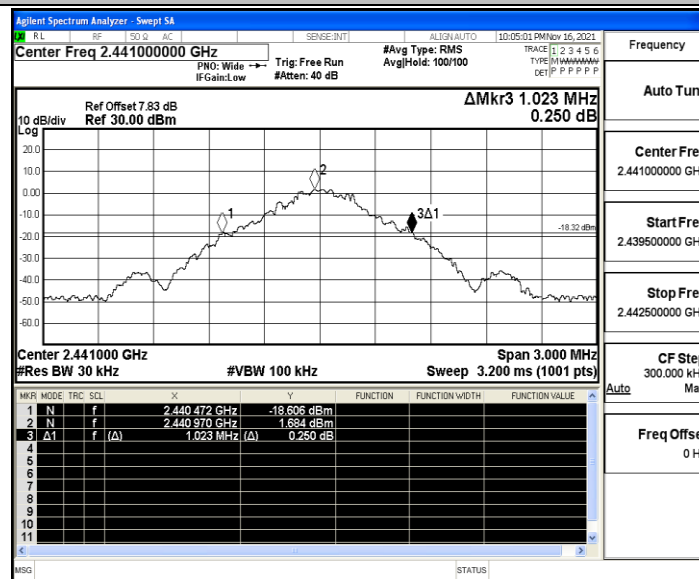


Test Graphs

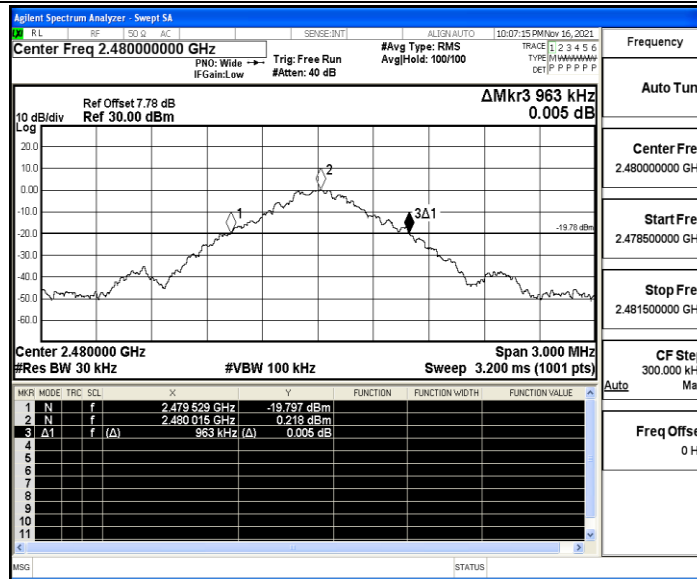
DH5_Ant1_2402



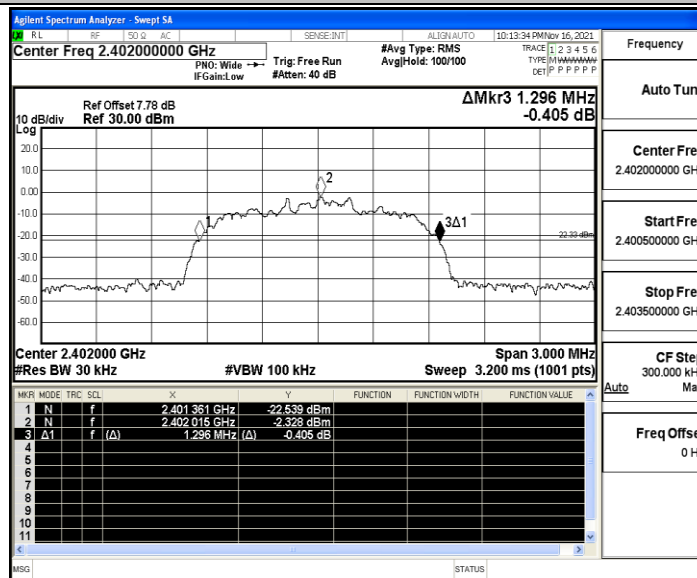
DH5_Ant1_2441



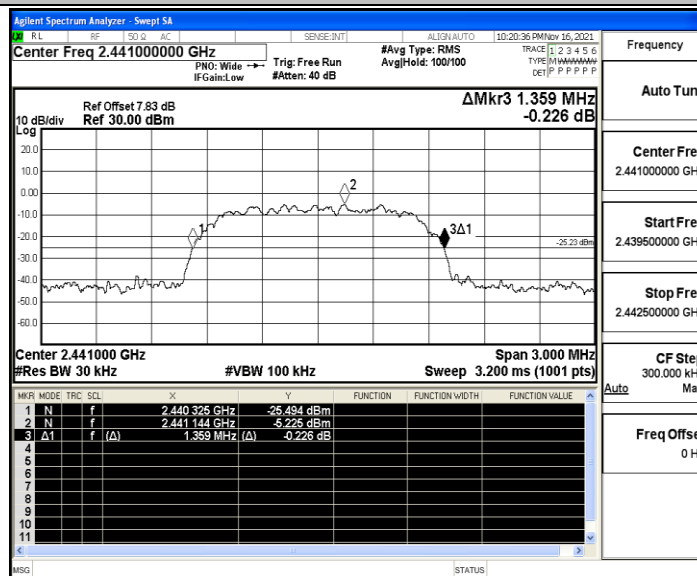
DH5_Ant1_2480



2DH5_Ant1_2402

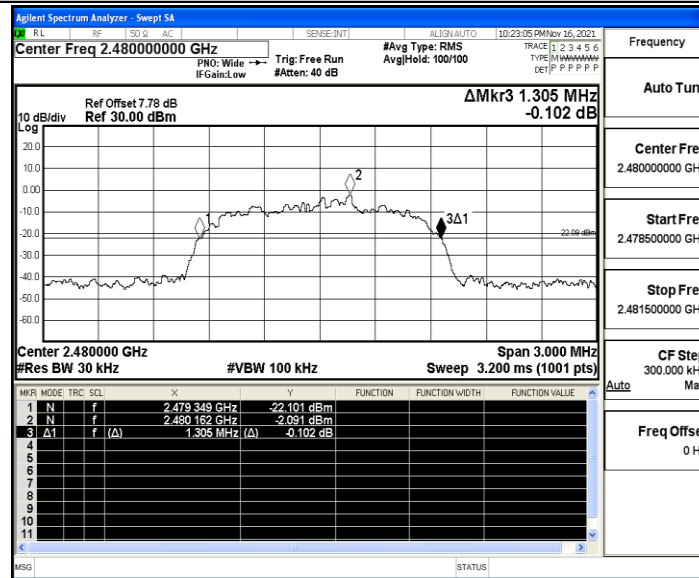


2DH5_Ant1_2441

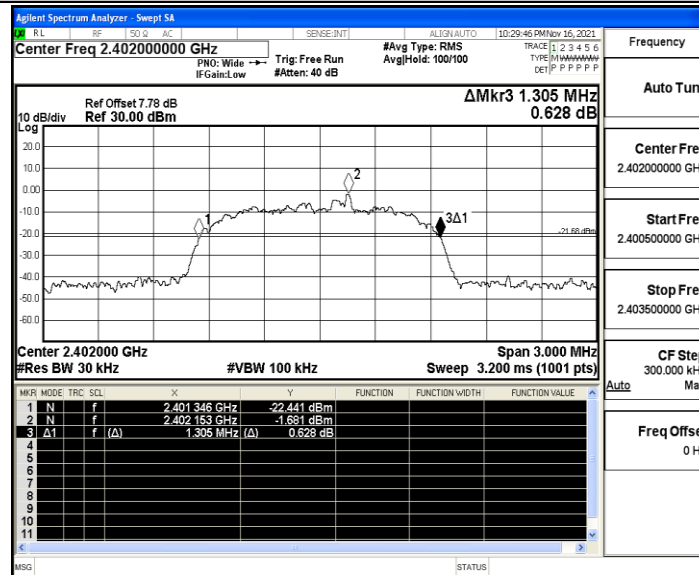




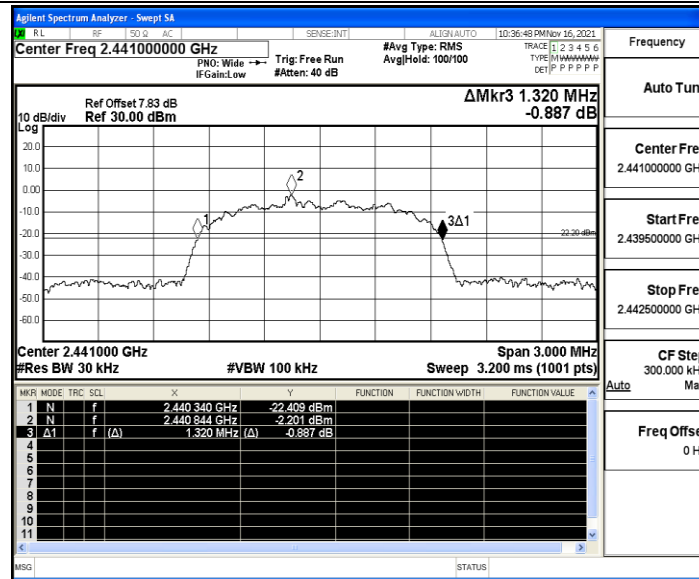
2DH5_Ant1_2480



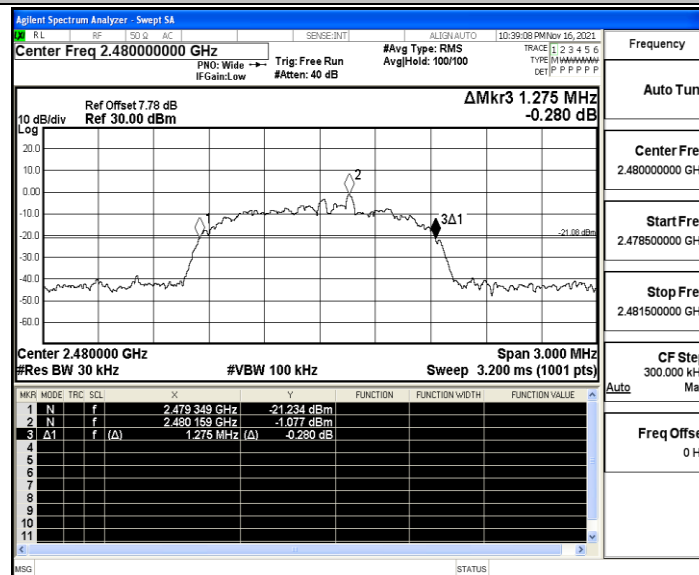
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480





A.2 Maximum peak conducted output power

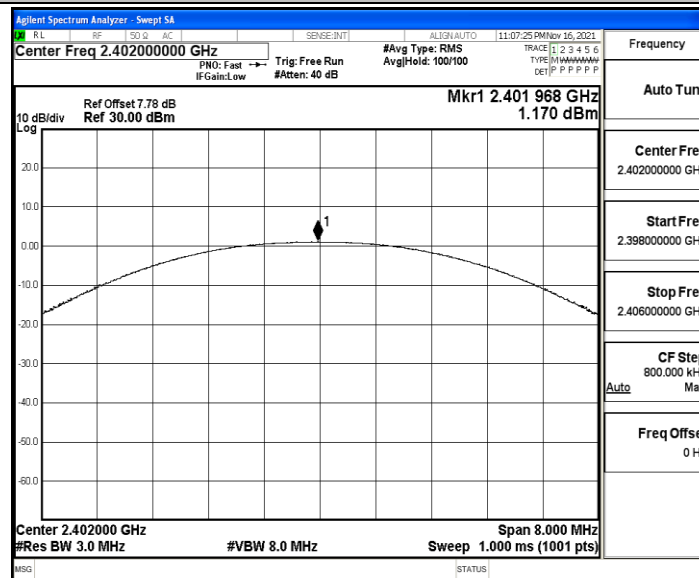
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	1.17	≤ 20.97	PASS
		2441	2.18	≤ 20.97	PASS
		2480	0.61	≤ 20.97	PASS
2DH5	Ant1	2402	0.11	≤ 20.97	PASS
		2441	1.23	≤ 20.97	PASS
		2480	0.99	≤ 20.97	PASS
3DH5	Ant1	2402	0.38	≤ 20.97	PASS
		2441	1.44	≤ 20.97	PASS
		2480	1.10	≤ 20.97	PASS

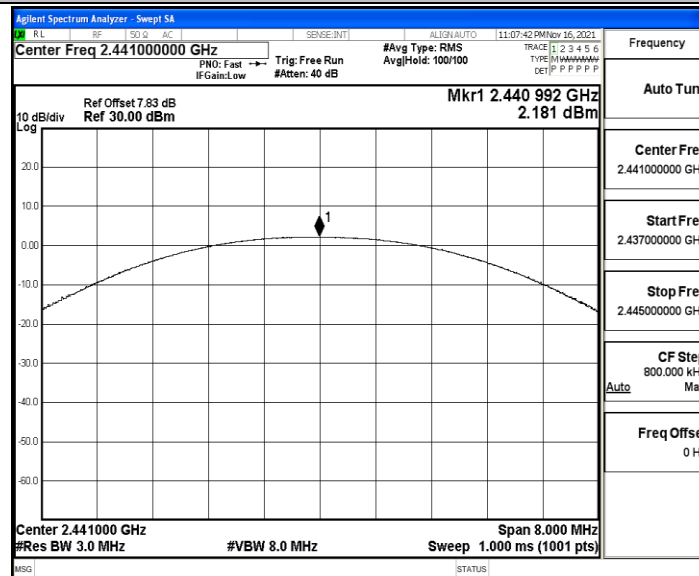


Test Graphs

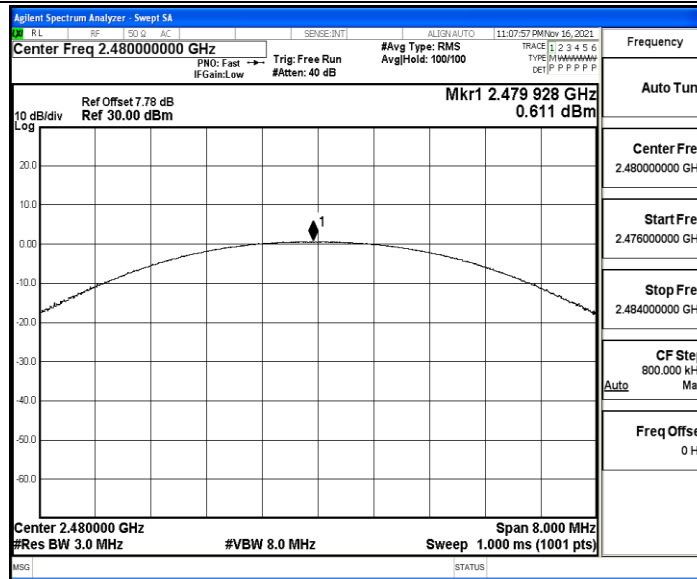
DH5_Ant1_2402



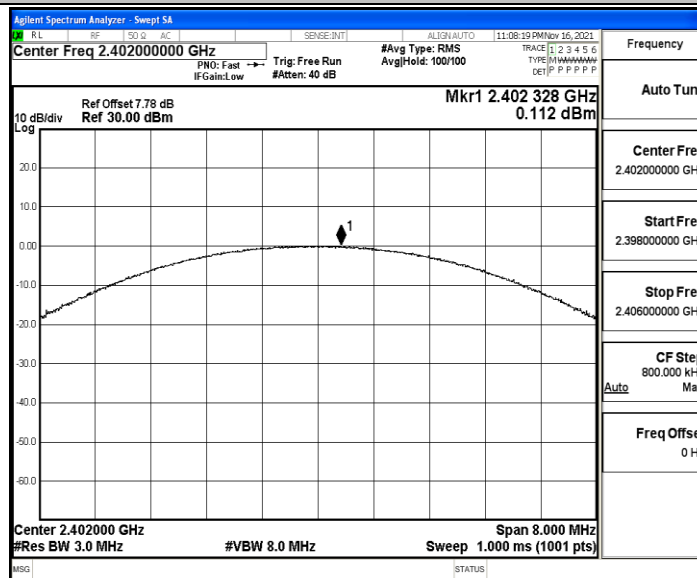
DH5_Ant1_2441



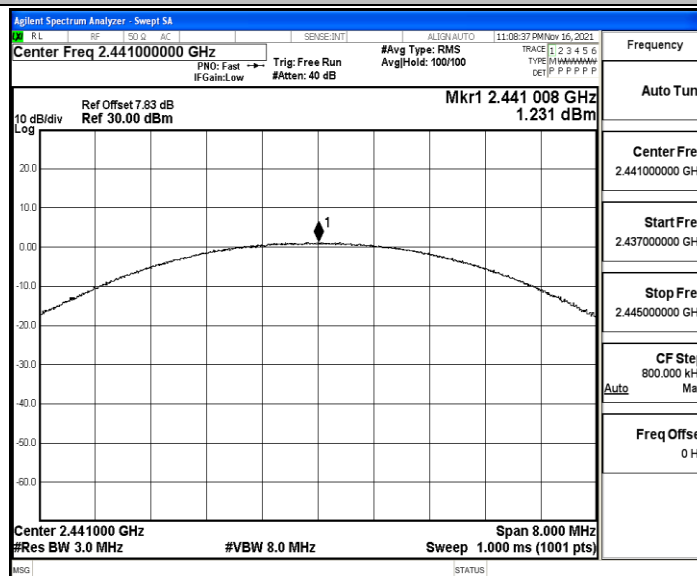
DH5_Ant1_2480



2DH5_Ant1_2402

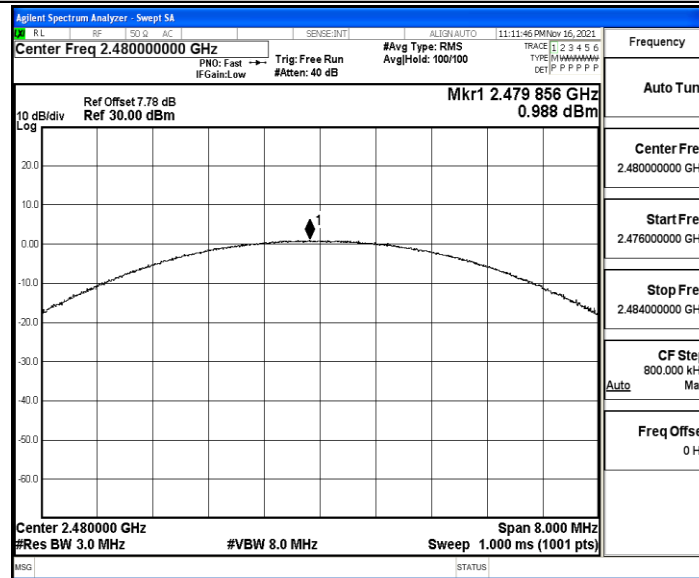


2DH5_Ant1_2441

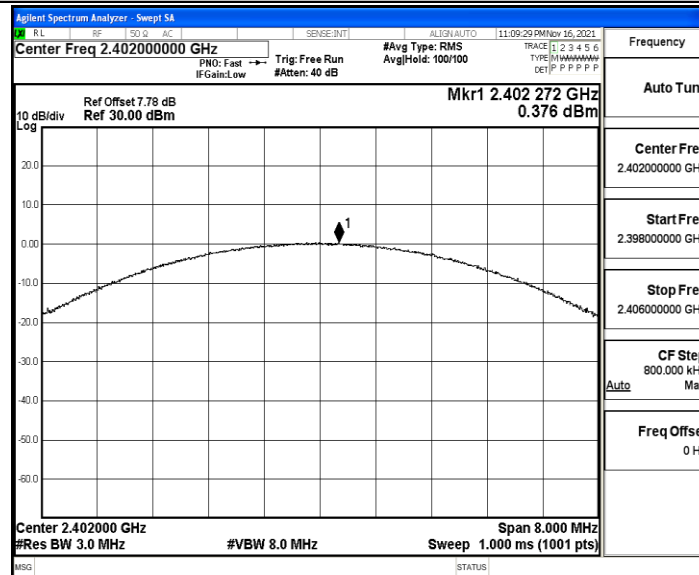




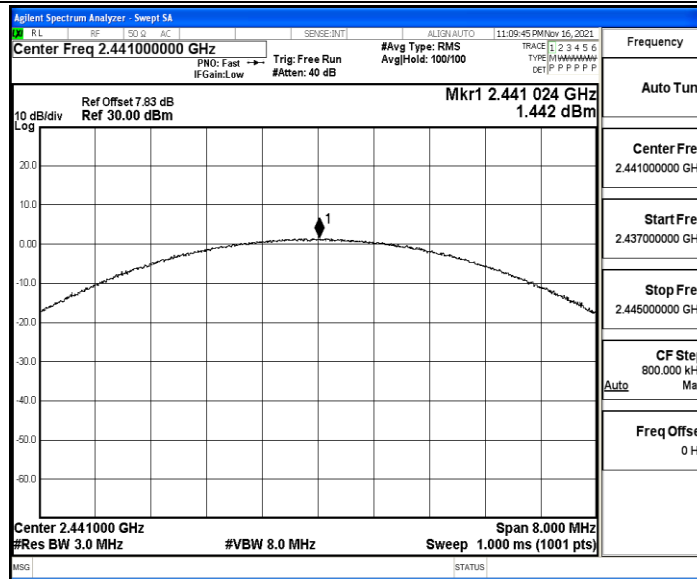
2DH5_Ant1_2480



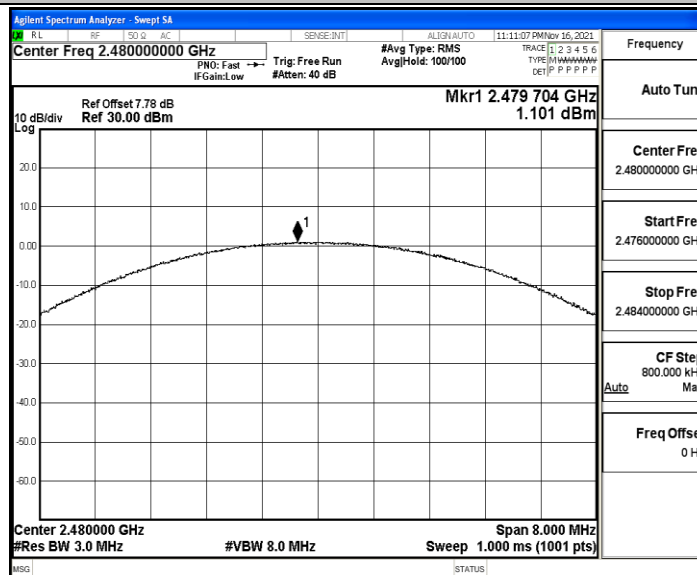
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480





A.3 Carrier frequency separation

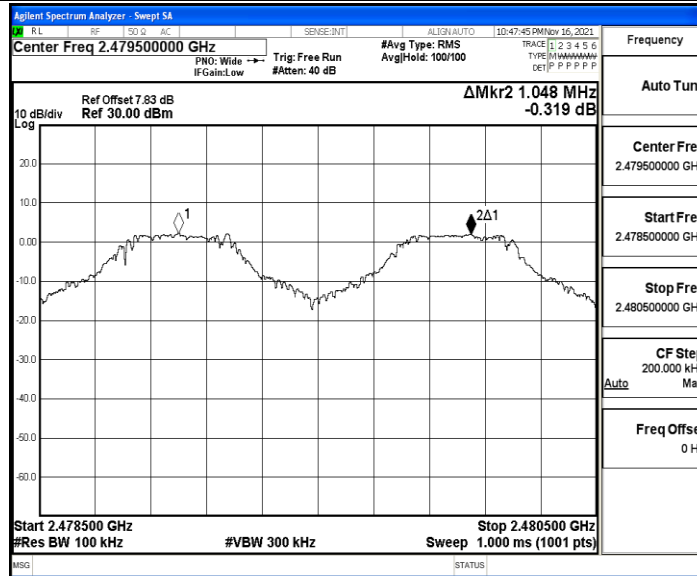
Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.048	≥ 0.696	PASS
2DH5	Ant1	Hop	0.984	≥ 0.906	PASS
3DH5	Ant1	Hop	0.968	≥ 0.880	PASS

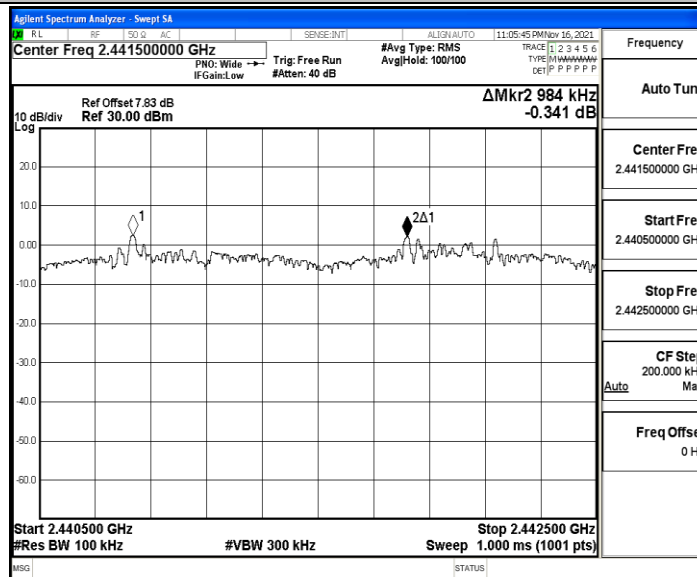


Test Graphs

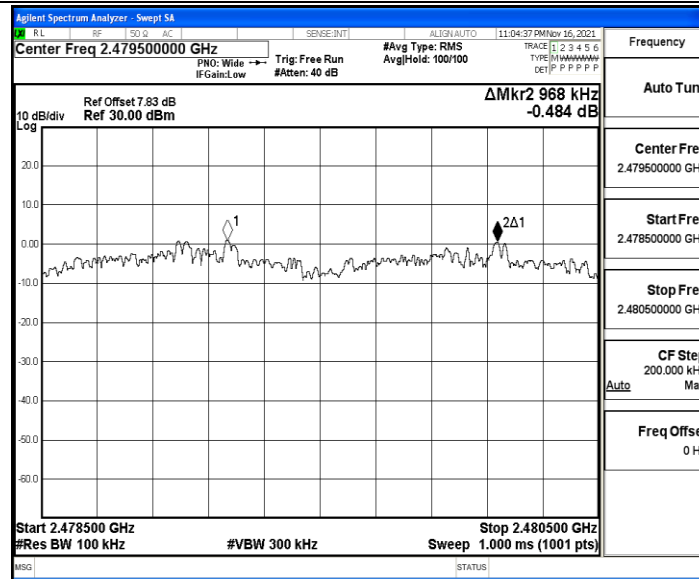
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





A.4 Time of occupancy

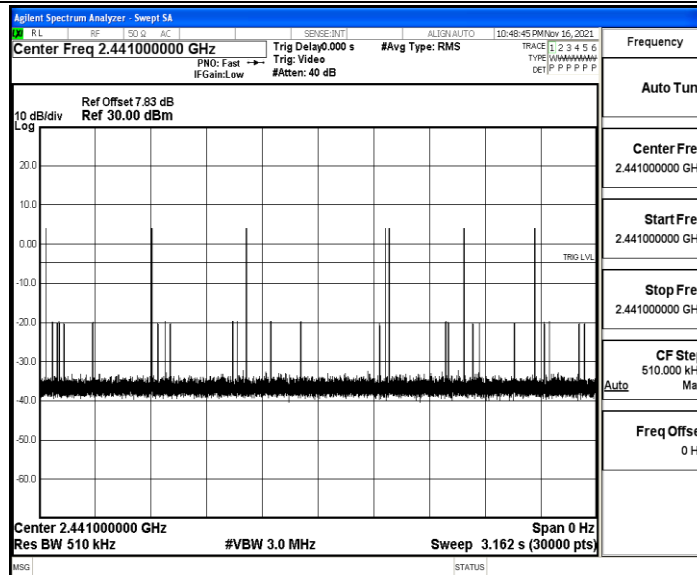
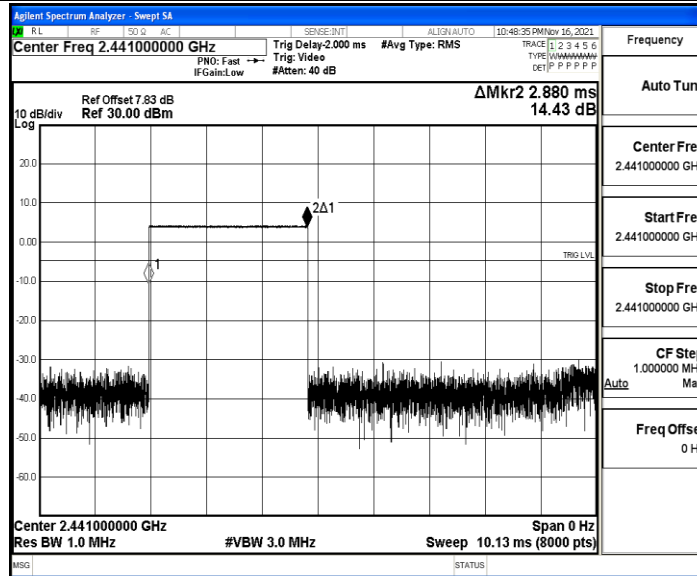
Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.88	107	0.308	≤0.4	PASS
2DH5	Ant1	Hop	2.88	109	0.314	≤0.4	PASS
3DH5	Ant1	Hop	2.89	110	0.318	≤0.4	PASS

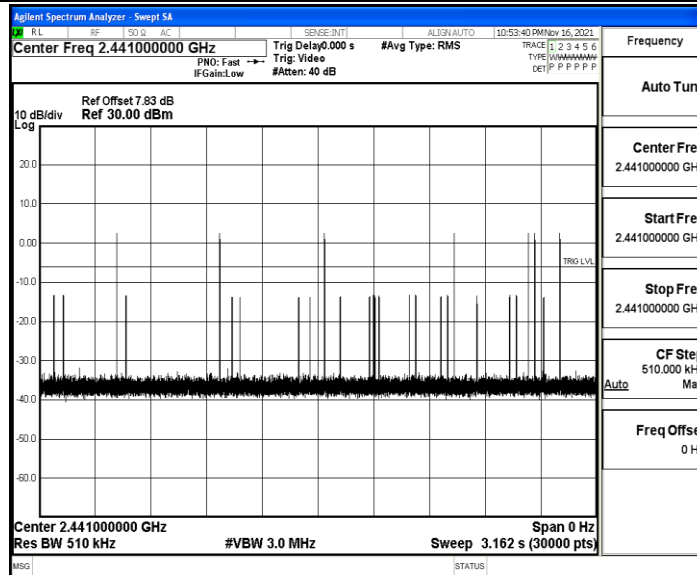
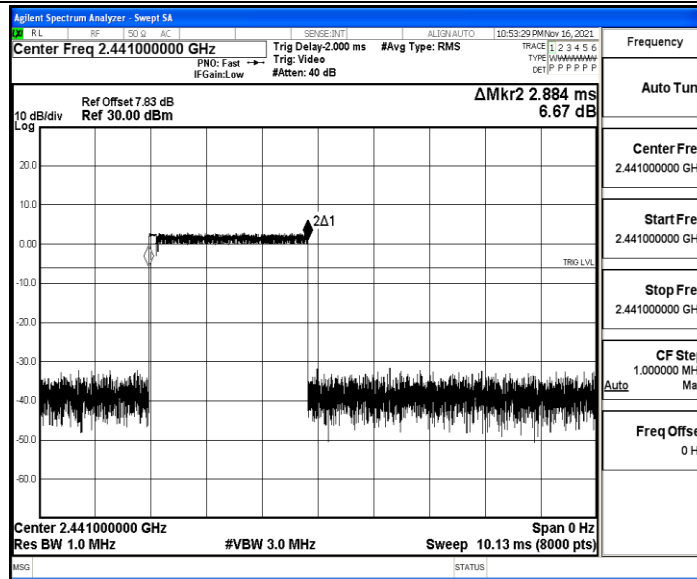


Test Graphs

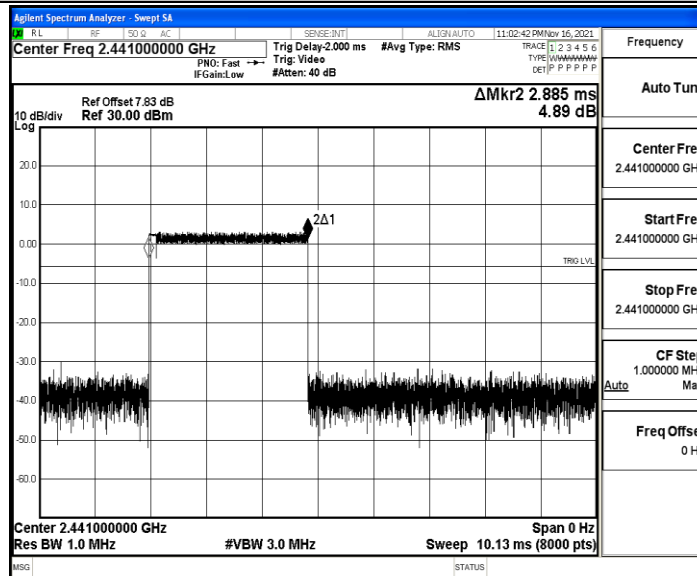
DH5_Ant1_Hop

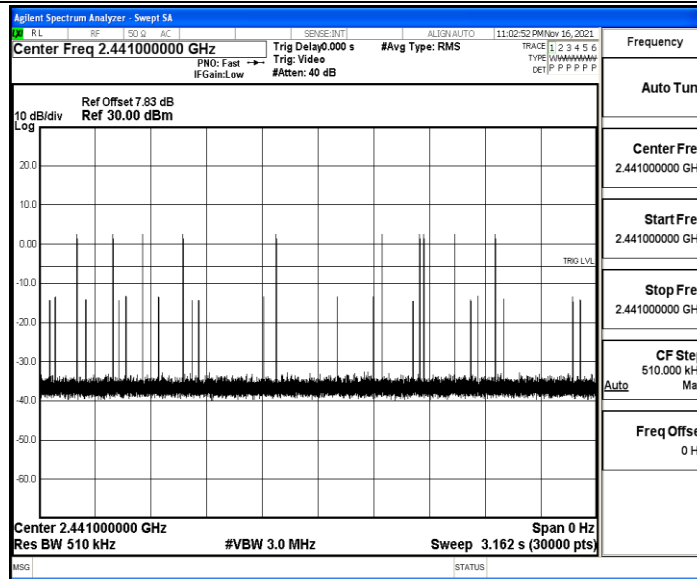


2DH5_Ant1_Hop



3DH5_Ant1_Hop







A.5 Number of hopping channels

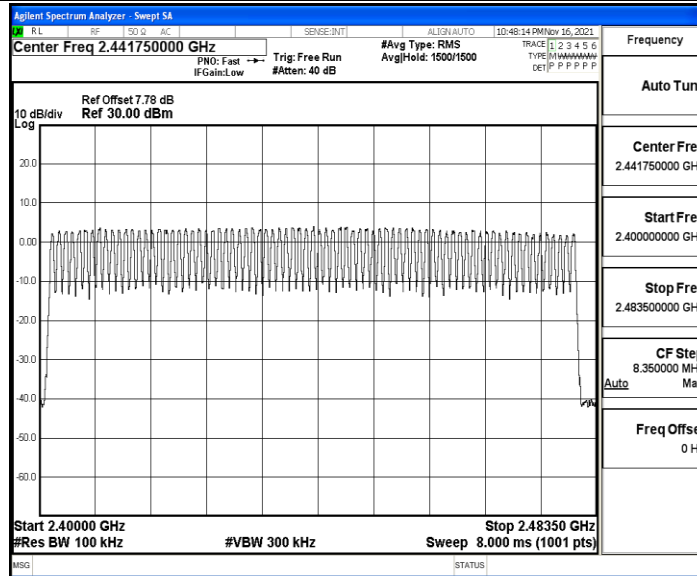
Test Result

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

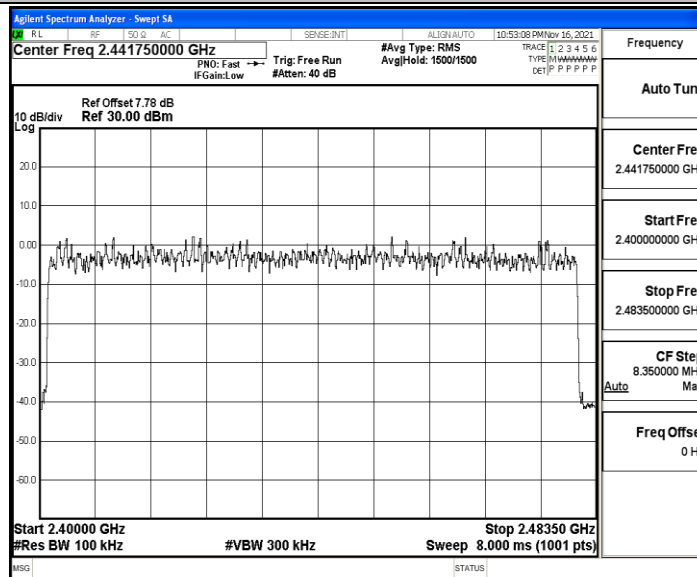


Test Graphs

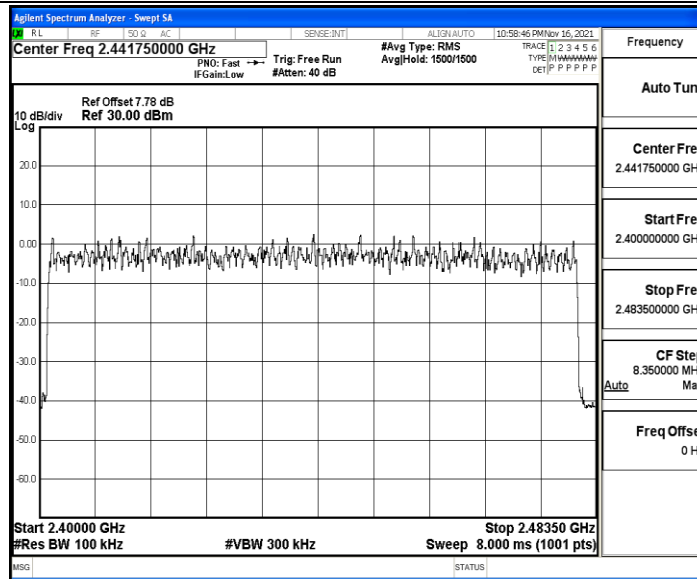
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





A.6 Band edge measurements

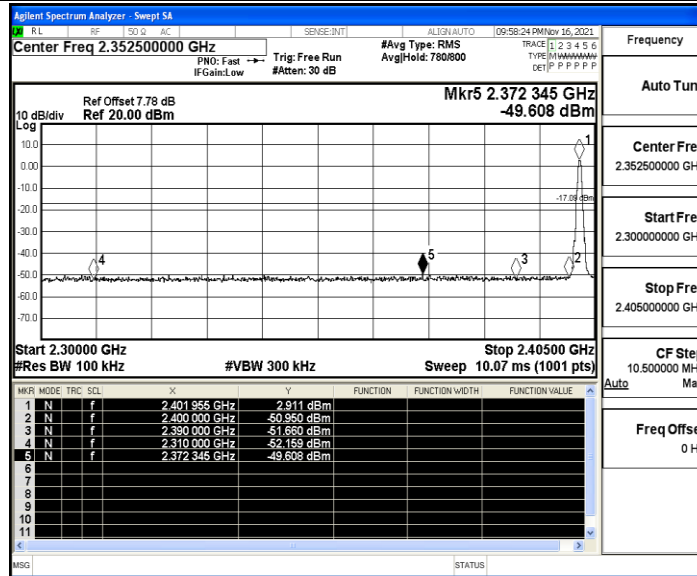
Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	2.91	-49.61	≤ -17.09	PASS
		High	2480	2.83	-48.47	≤ -17.17	PASS
		Low	Hop_2402	2.66	-49.32	≤ -17.34	PASS
		High	Hop_2480	2.63	-48.56	≤ -17.38	PASS
2DH5	Ant1	Low	2402	1.46	-49.22	≤ -18.54	PASS
		High	2480	0.66	-48.57	≤ -19.35	PASS
		Low	Hop_2402	-2.40	-49.49	≤ -22.4	PASS
		High	Hop_2480	0.85	-47.57	≤ -19.15	PASS
3DH5	Ant1	Low	2402	0.91	-49.57	≤ -19.09	PASS
		High	2480	1.19	-47.93	≤ -18.81	PASS
			Hop_2480	-1.00	-48.78	≤ -21	PASS

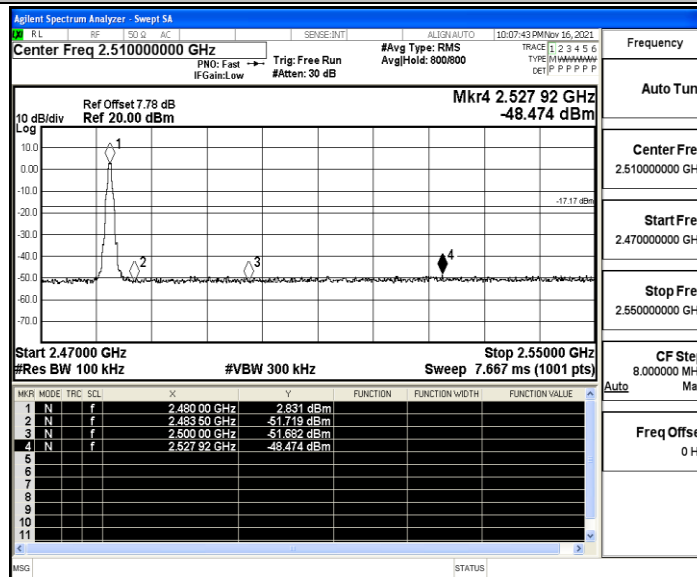


Test Graphs

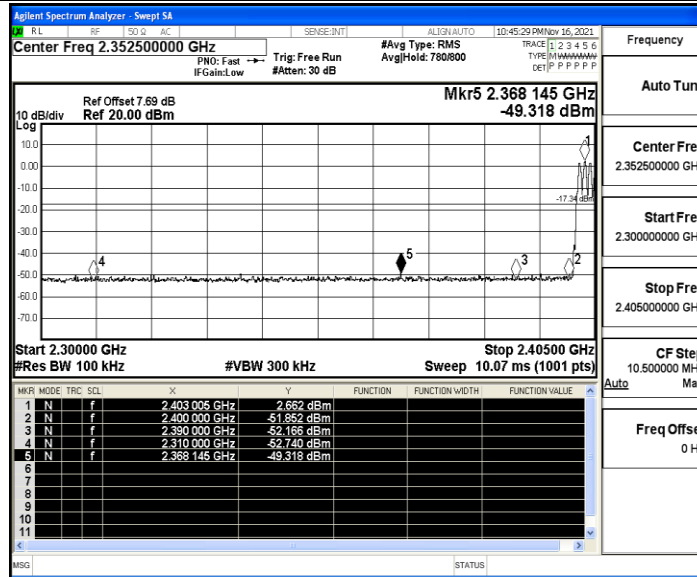
DH5_Ant1_Low_2402



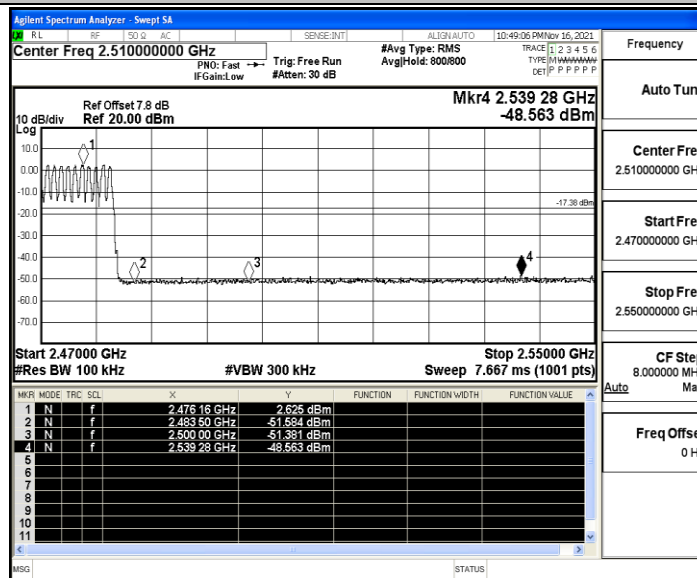
DH5_Ant1_High_2480



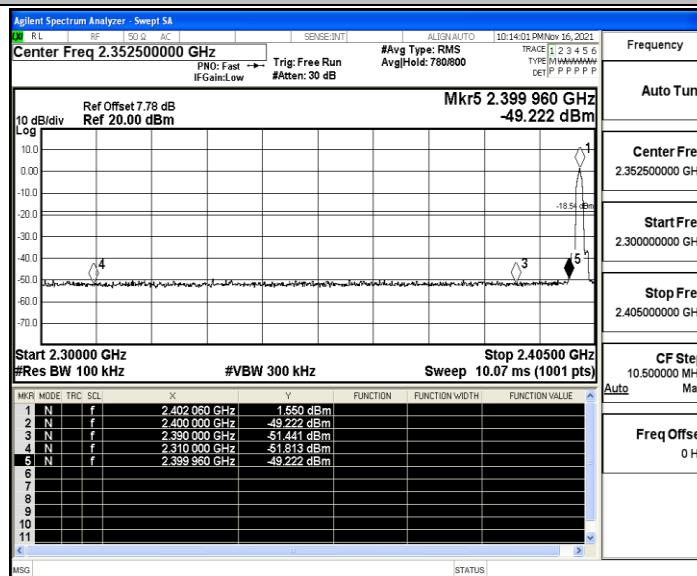
DH5_Ant1_Low_Hop_2402



DH5_Ant1_High_Hop_2480

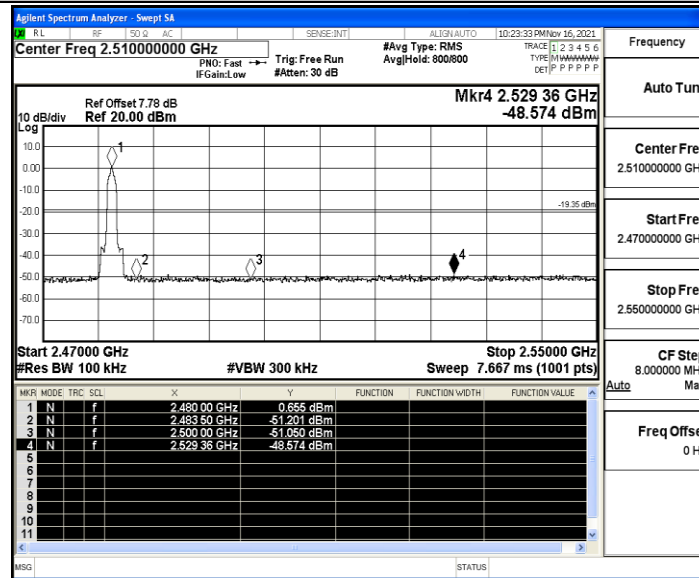


2DH5_Ant1_Low_2402

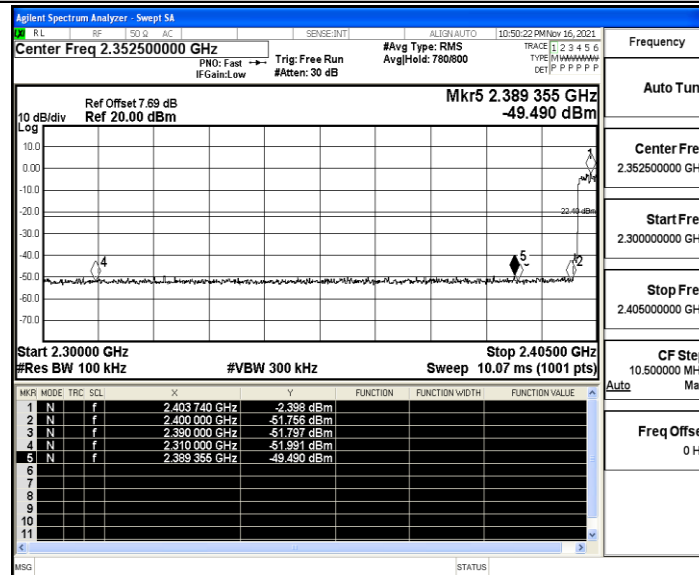




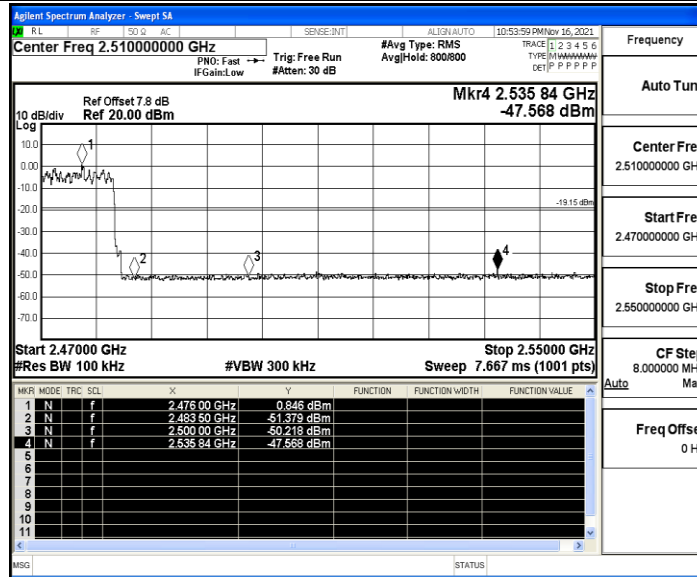
2DH5_Ant1_High_2480



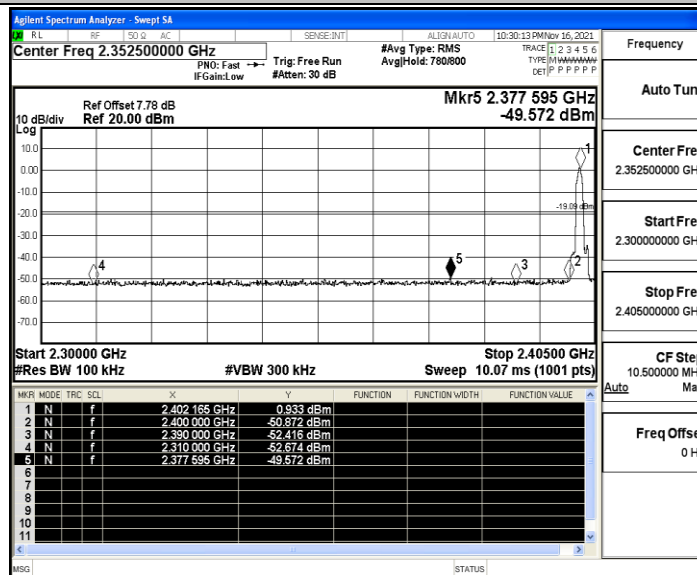
2DH5_Ant1_Low_Hop_2402



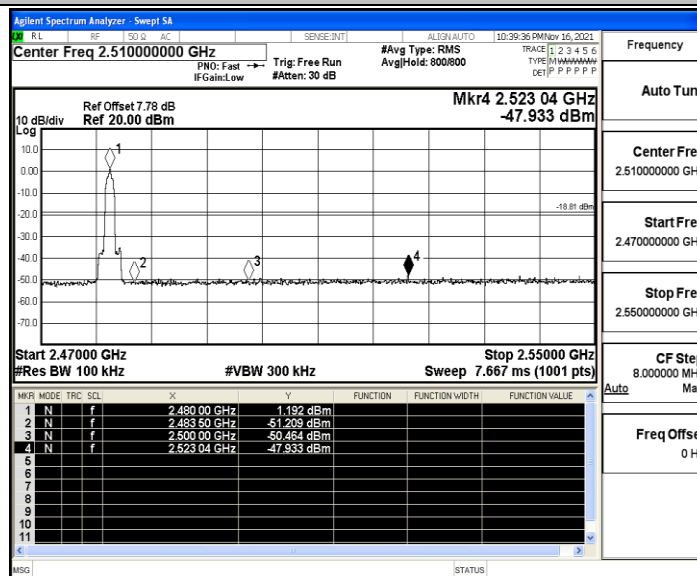
2DH5_Ant1_High_Hop_2480



3DH5_Ant1_Low_2402

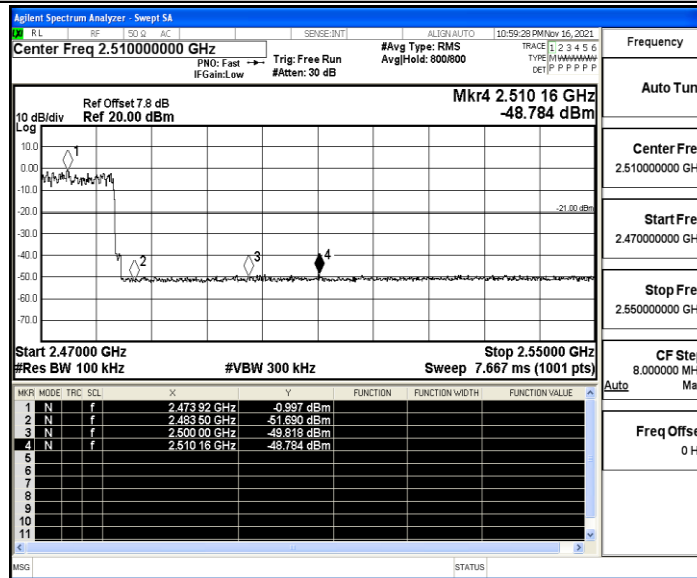


3DH5_Ant1_High_2480





3DH5_Ant1_High_Hop_2480





A.7 Conducted Spurious Emission

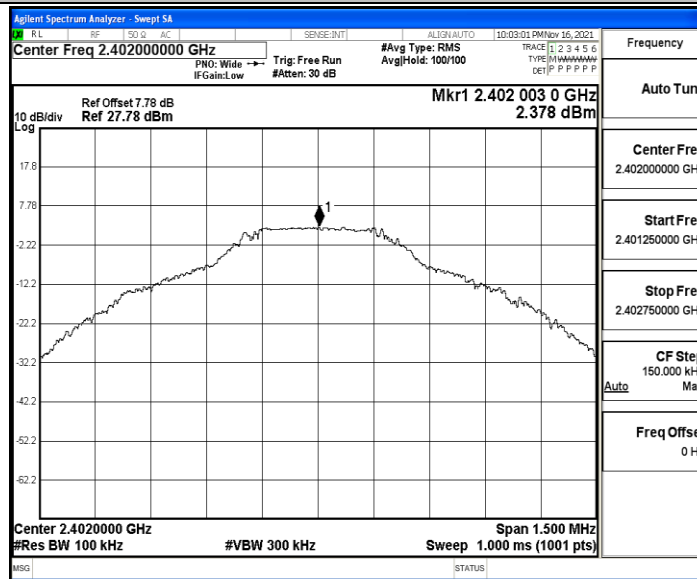
Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	2.38	2.38	---	PASS
			30~1000	2.38	-61.71	≤ -17.62	PASS
			1000~26500	2.38	-47.48	≤ -17.62	PASS
		2441	Reference	4.04	4.04	---	PASS
			30~1000	4.04	-60.63	≤ -15.96	PASS
			1000~26500	4.04	-47.43	≤ -15.96	PASS
		2480	Reference	2.53	2.53	---	PASS
			30~1000	2.53	-61.71	≤ -17.47	PASS
			1000~26500	2.53	-46.9	≤ -17.47	PASS
2DH5	Ant1	2402	Reference	1.21	1.21	---	PASS
			30~1000	1.21	-61.46	≤ -18.79	PASS
			1000~26500	1.21	-46.89	≤ -18.79	PASS
		2441	Reference	2.12	2.12	---	PASS
			30~1000	2.12	-61.52	≤ -17.88	PASS
			1000~26500	2.12	-46.91	≤ -17.88	PASS
		2480	Reference	0.86	0.86	---	PASS
			30~1000	0.86	-61.1	≤ -19.14	PASS
			1000~26500	0.86	-47.28	≤ -19.14	PASS
3DH5	Ant1	2402	Reference	1.36	1.36	---	PASS
			30~1000	1.36	-61.74	≤ -18.64	PASS
			1000~26500	1.36	-47.39	≤ -18.64	PASS
		2441	Reference	2.34	2.34	---	PASS
			30~1000	2.34	-61.18	≤ -17.66	PASS
			1000~26500	2.34	-47.46	≤ -17.66	PASS
		2480	Reference	0.41	0.41	---	PASS
			30~1000	0.41	-61.09	≤ -19.59	PASS
			1000~26500	0.41	-47.17	≤ -19.59	PASS

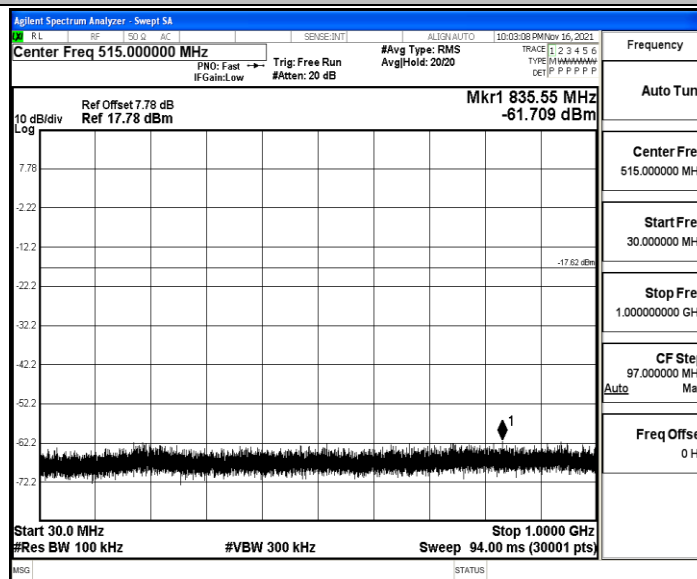


Test Graphs

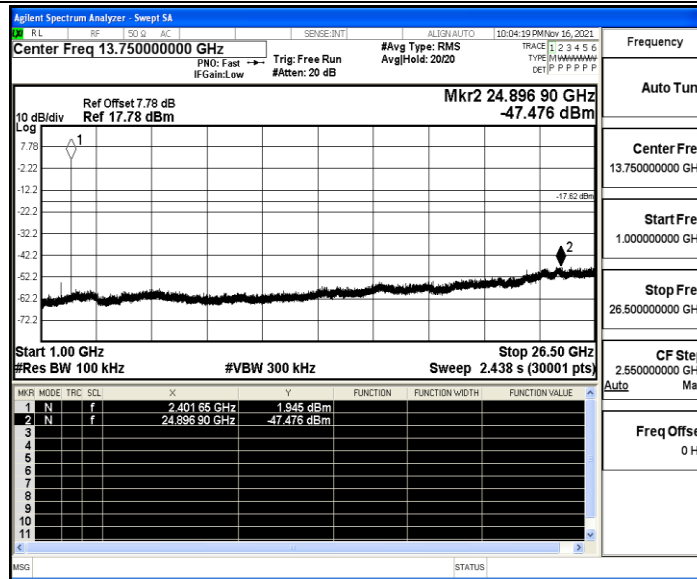
DH5_Ant1_2402_0~Reference



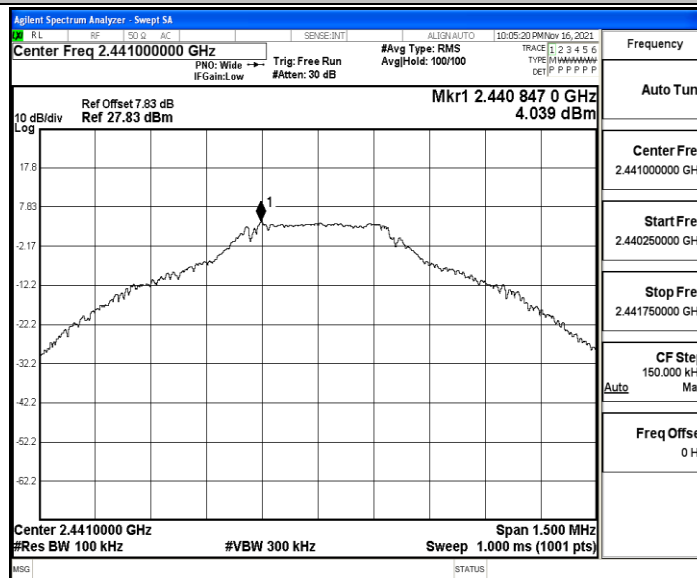
DH5_Ant1_2402_30~1000



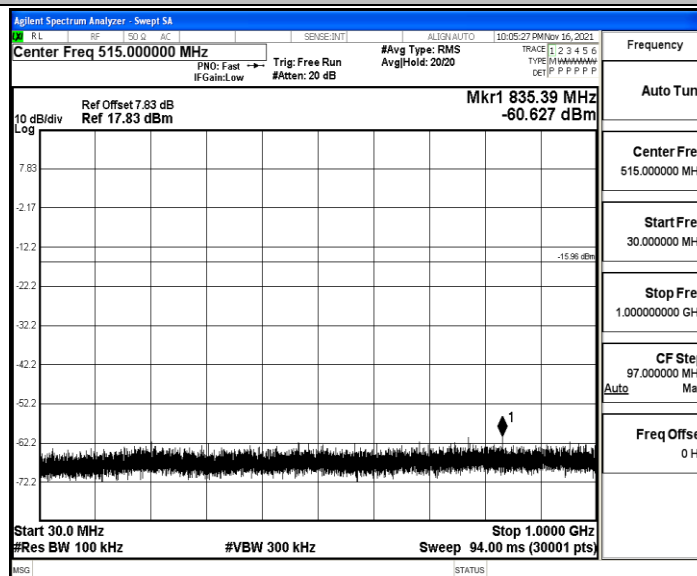
DH5_Ant1_2402_1000~26500

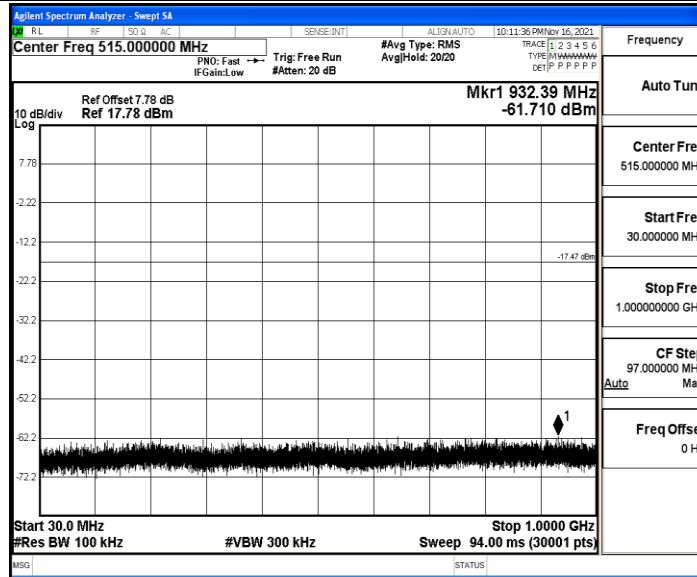


DH5_Ant1_2441_0~Reference

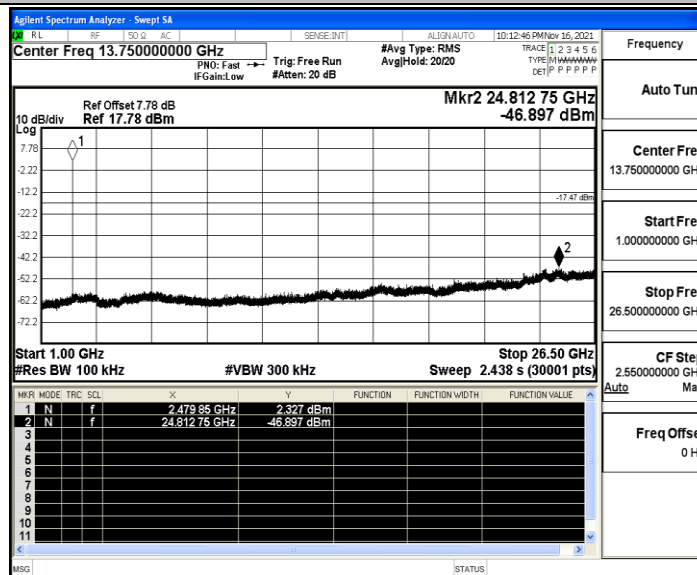


DH5_Ant1_2441_30~1000

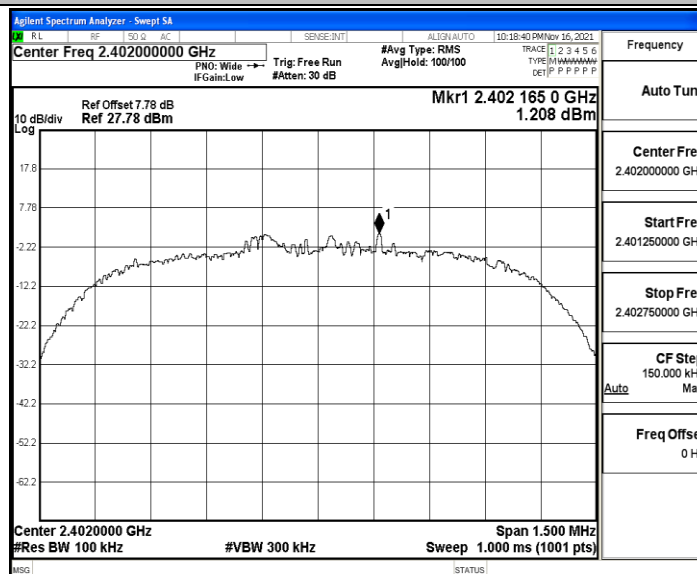




DH5_Ant1_2480_1000~26500

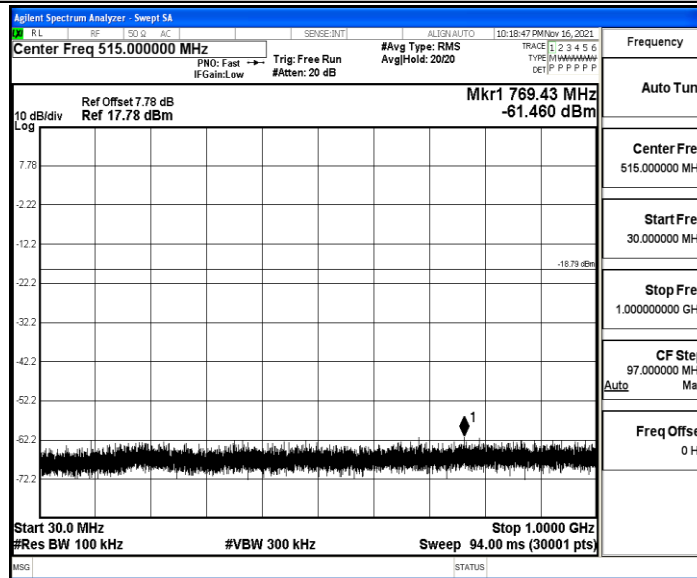


2DH5_Ant1_2402_0~Reference

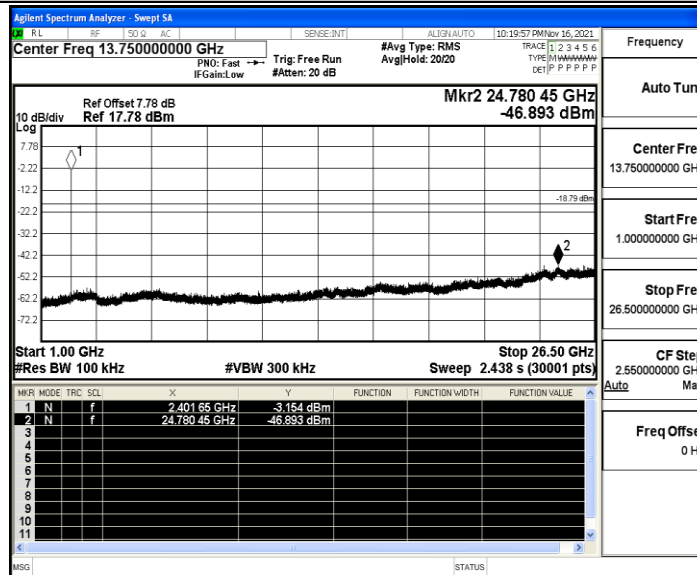




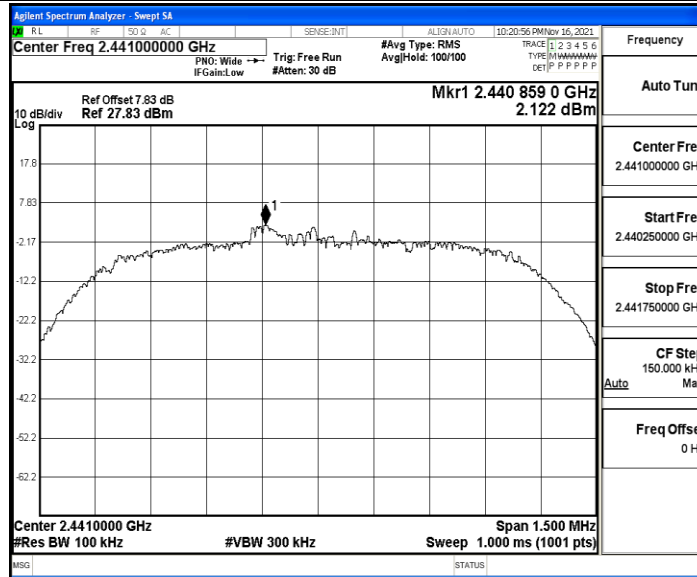
2DH5_Ant1_2402_30~1000



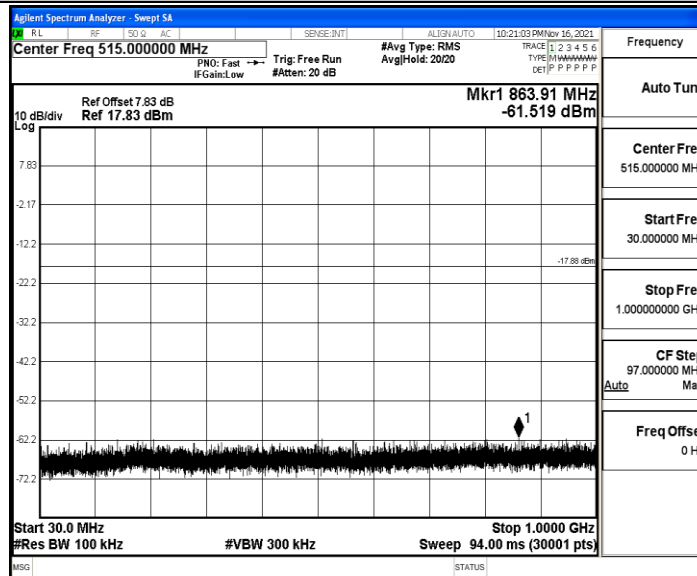
2DH5_Ant1_2402_1000~26500



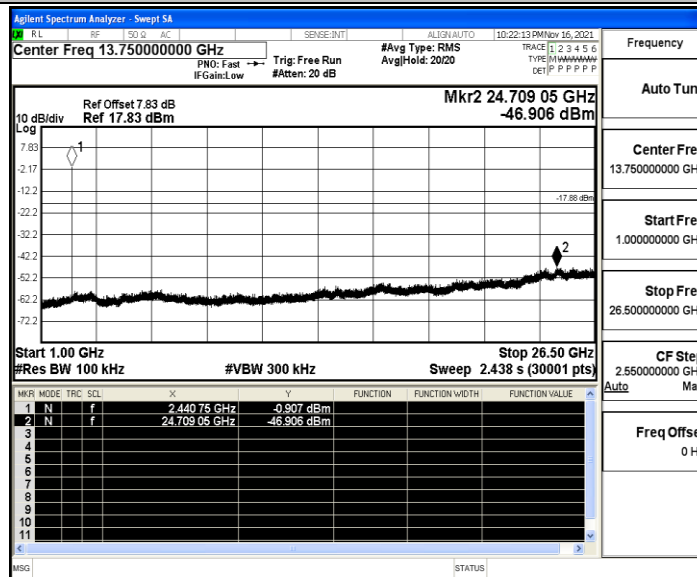
2DH5_Ant1_2441_0~Reference



2DH5_Ant1_2441_30~1000

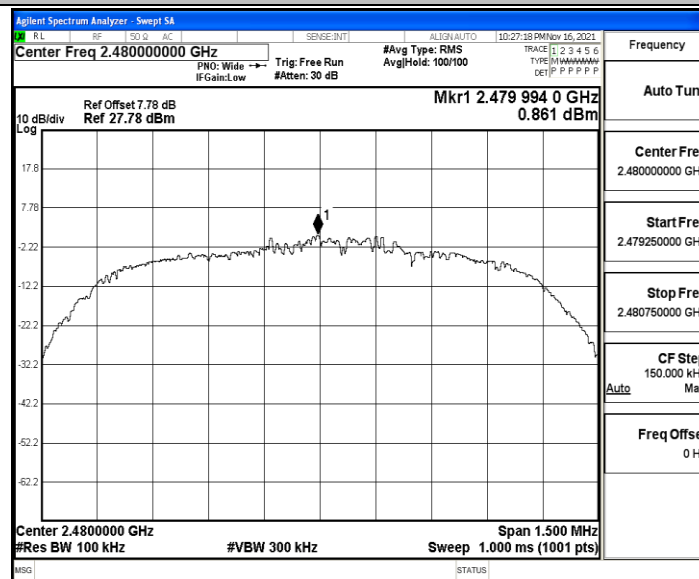


2DH5_Ant1_2441_1000~26500

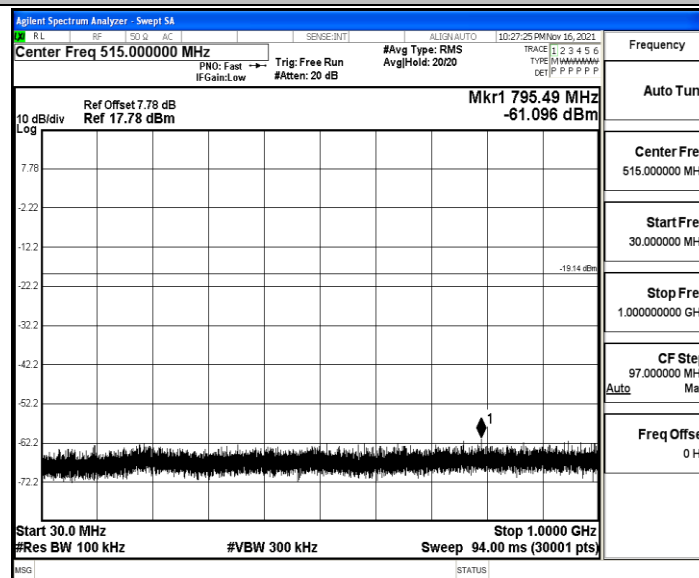




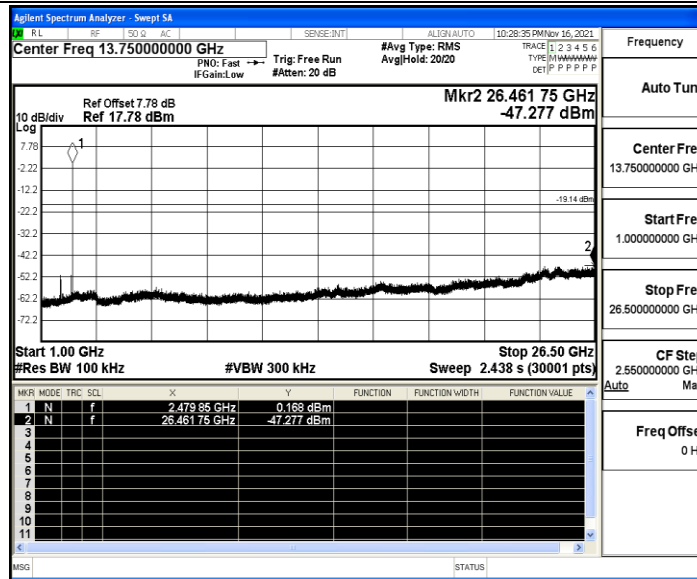
2DH5_Ant1_2480_0~Reference



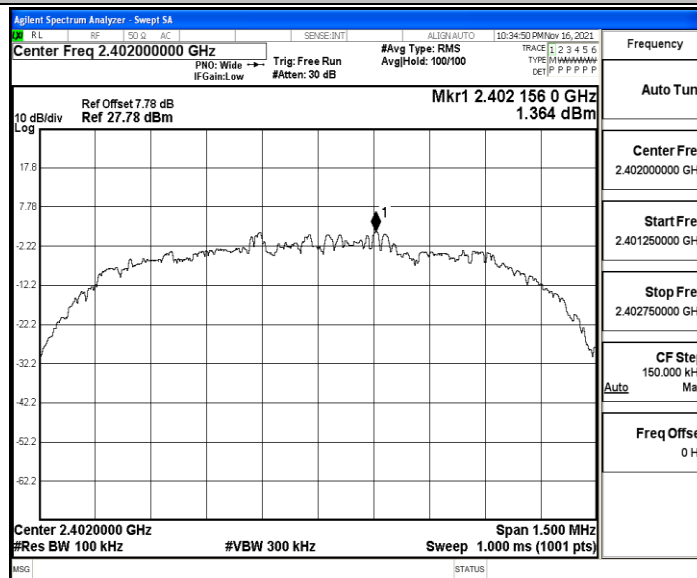
2DH5_Ant1_2480_30~1000



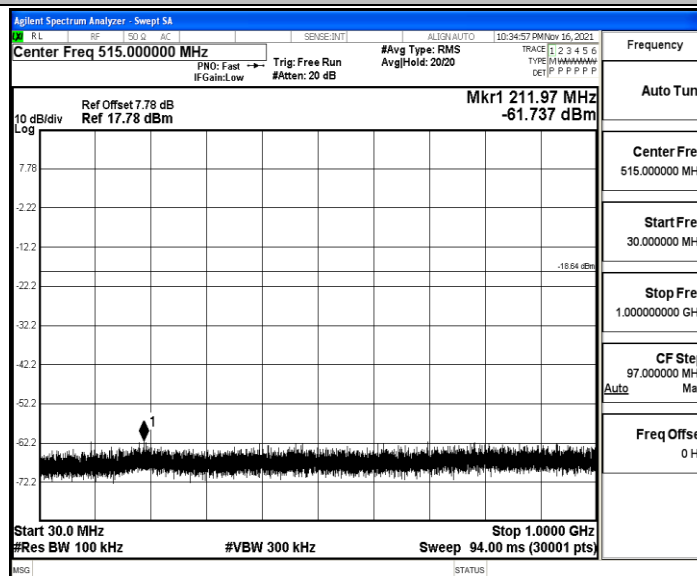
2DH5_Ant1_2480_1000~26500



3DH5_Ant1_2402_0~Reference

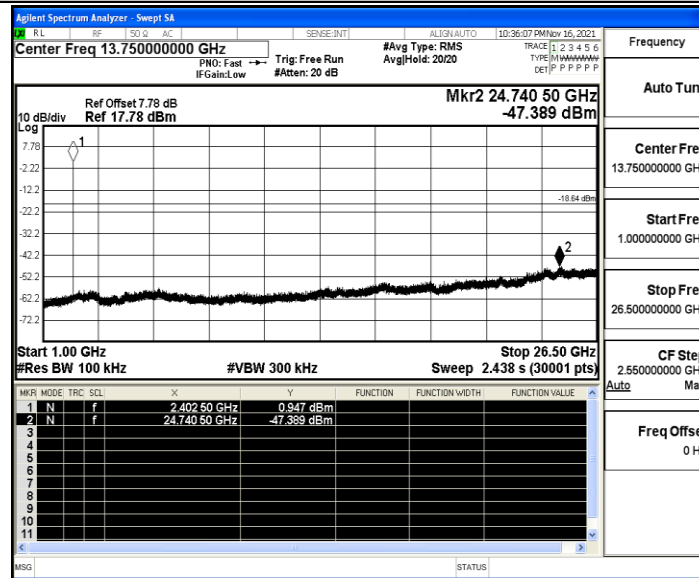


3DH5_Ant1_2402_30~1000

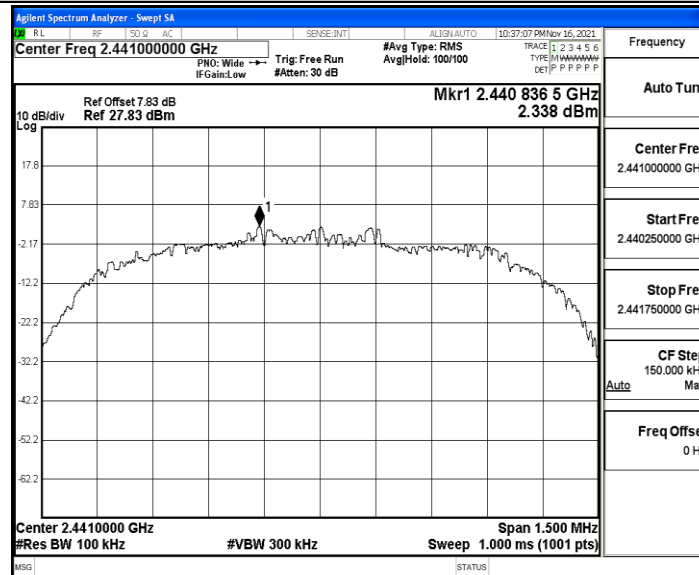




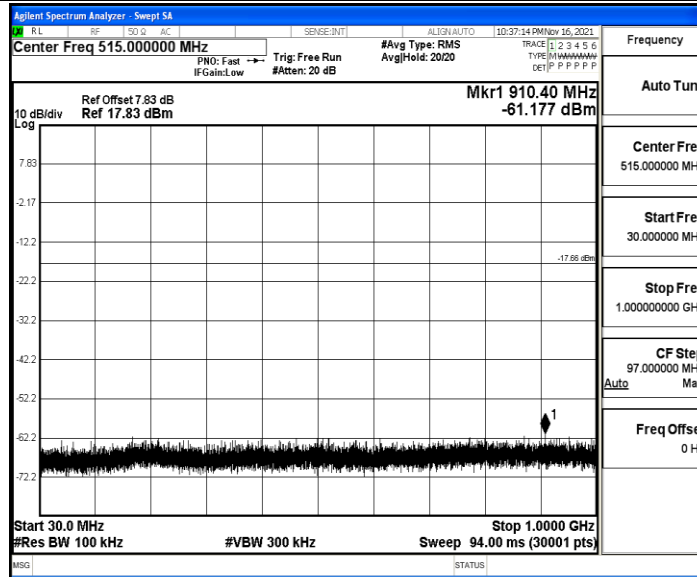
3DH5_Ant1_2402_1000~26500



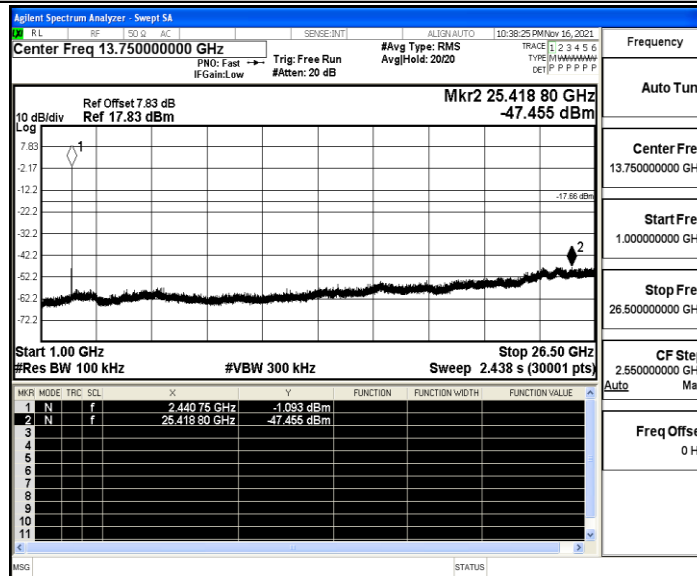
3DH5_Ant1_2441_0~Reference



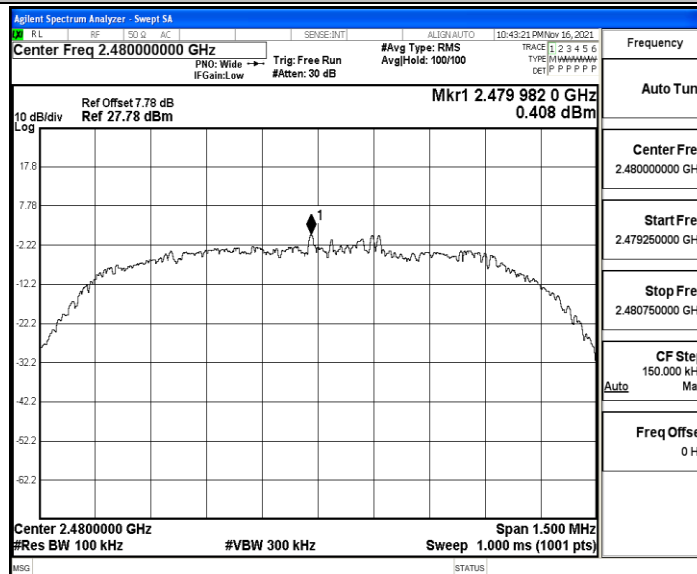
3DH5_Ant1_2441_30~1000



3DH5_Ant1_2441_1000~26500

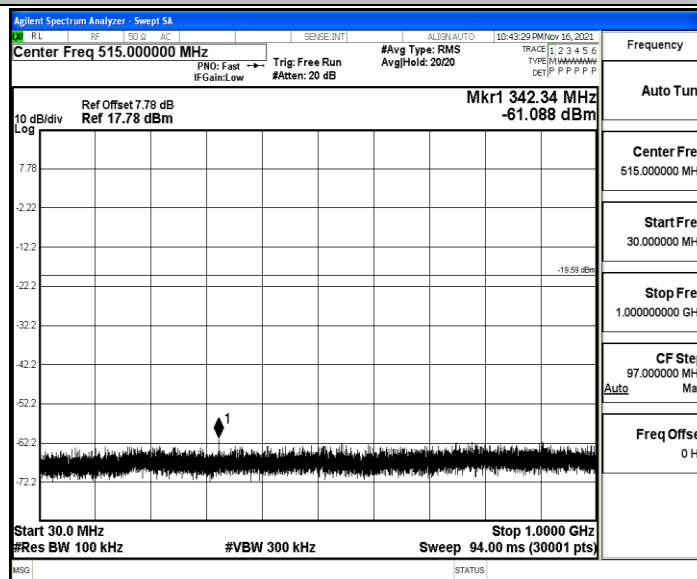


3DH5_Ant1_2480_0~Reference

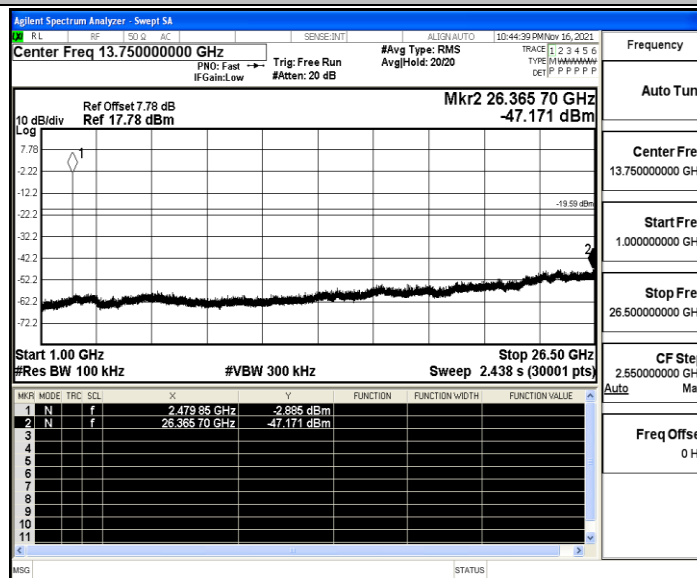




3DH5_Ant1_2480_30~1000



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	-48.84	≤-41.20	46.36	≤54	PASS
				AV	2382.740	-48.35	≤-41.20	46.85	≤54	PASS
				AV	2390.000	-48.46	≤-41.20	46.74	≤54	PASS
				Peak	2310.000	-41.35	≤-21.20	53.85	≤74	PASS
				Peak	2388.095	-37.25	≤-21.20	57.95	≤74	PASS
				Peak	2390.000	-40.64	≤-21.20	54.56	≤74	PASS
		High	2480	AV	2483.500	-47.62	≤-41.20	47.58	≤54	PASS
				AV	2483.520	-47.62	≤-41.20	47.58	≤54	PASS
				AV	2500.000	-47.91	≤-41.20	47.29	≤54	PASS
				Peak	2483.500	-40.21	≤-21.20	54.99	≤74	PASS
				Peak	2485.200	-38.11	≤-21.20	57.09	≤74	PASS
				Peak	2500.000	-39.57	≤-21.20	55.63	≤74	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-48.96	≤-41.20	46.24	≤54	PASS
				AV	2389.145	-48.32	≤-41.20	46.88	≤54	PASS
				AV	2390.000	-48.46	≤-41.20	46.74	≤54	PASS
				Peak	2310.000	-41.3	≤-21.20	53.90	≤74	PASS
				Peak	2323.310	-38.08	≤-21.20	57.12	≤74	PASS
				Peak	2390.000	-40.24	≤-21.20	54.96	≤74	PASS
		High	2480	AV	2483.500	-47.5	≤-41.20	47.70	≤54	PASS
				AV	2483.520	-47.5	≤-41.20	47.70	≤54	PASS
				AV	2500.000	-47.85	≤-41.20	47.35	≤54	PASS
				Peak	2483.500	-38.74	≤-21.20	56.46	≤74	PASS
				Peak	2498.960	-37.41	≤-21.20	57.79	≤74	PASS
				Peak	2500.000	-39.64	≤-21.20	55.56	≤74	PASS
3DH5	Ant1	Low	2402	AV	2310.000	-48.82	≤-41.20	46.38	≤54	PASS
				AV	2387.990	-48.38	≤-41.20	46.82	≤54	PASS
				AV	2390.000	-48.51	≤-41.20	46.69	≤54	PASS
				Peak	2310.000	-40.38	≤-21.20	54.82	≤74	PASS
				Peak	2384.735	-38.1	≤-21.20	57.10	≤74	PASS
				Peak	2390.000	-38.8	≤-21.20	56.40	≤74	PASS
		High	2480	AV	2483.500	-47.66	≤-41.20	47.54	≤54	PASS
				AV	2483.520	-47.66	≤-41.20	47.54	≤54	PASS
				AV	2500.000	-47.9	≤-41.20	47.30	≤54	PASS
				Peak	2483.500	-38.21	≤-21.20	56.99	≤74	PASS
				Peak	2499.040	-37.7	≤-21.20	57.50	≤74	PASS
				Peak	2500.000	-39.21	≤-21.20	55.99	≤74	PASS



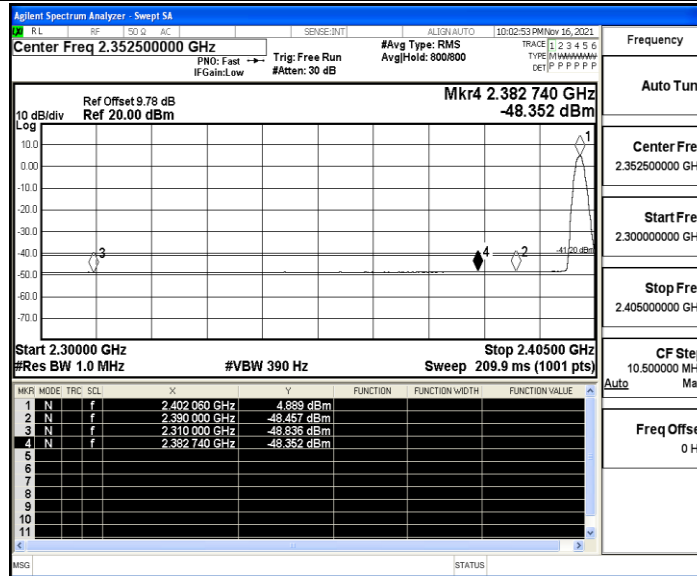
Note:

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.

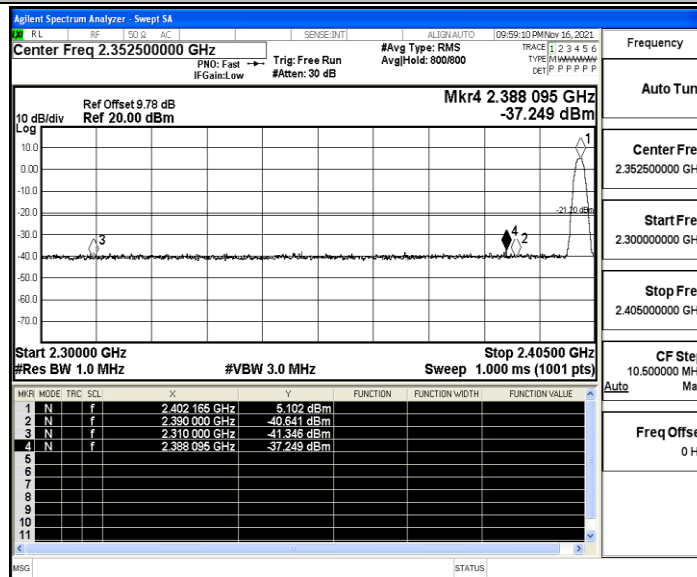


Test Graphs

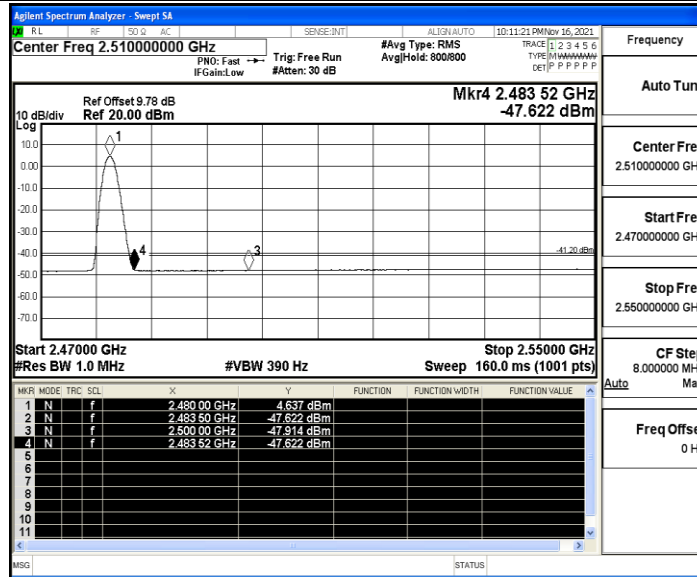
DH5_Ant1_Low_2402_AV



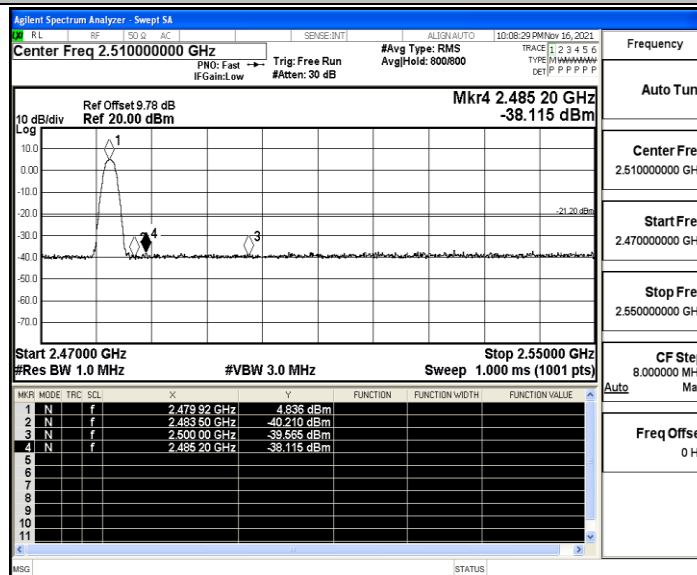
DH5_Ant1_Low_2402_Peak



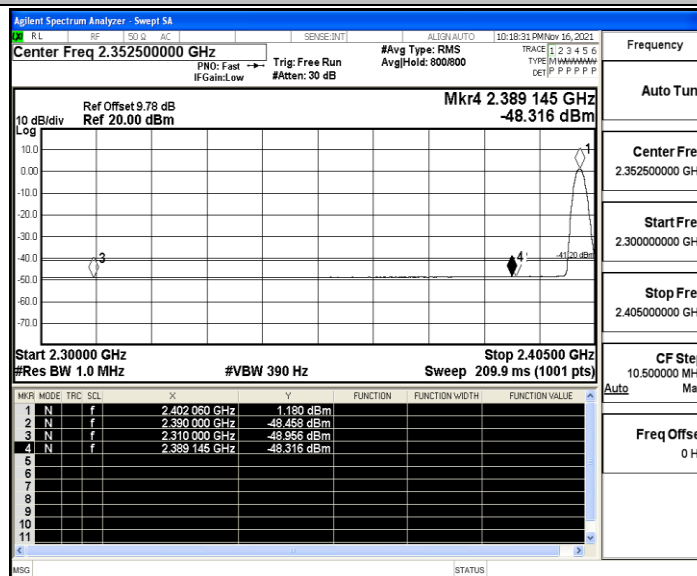
DH5_Ant1_High_2480_AV



DH5_Ant1_High_2480_Peak

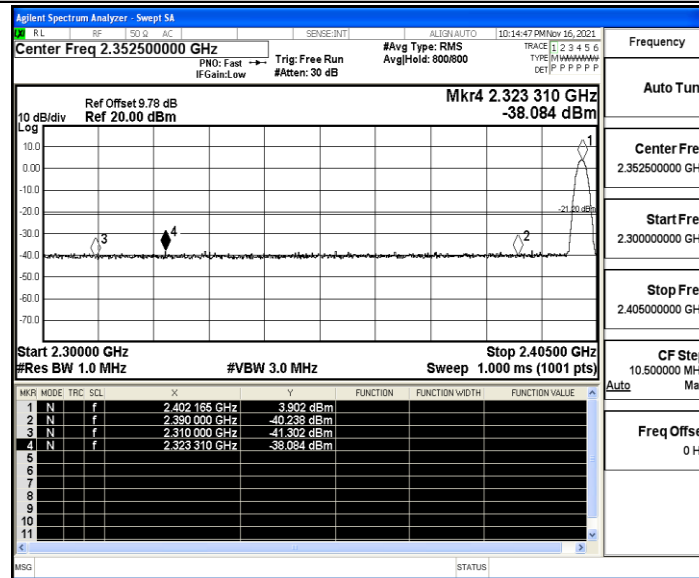


2DH5_Ant1_Low_2402_AV

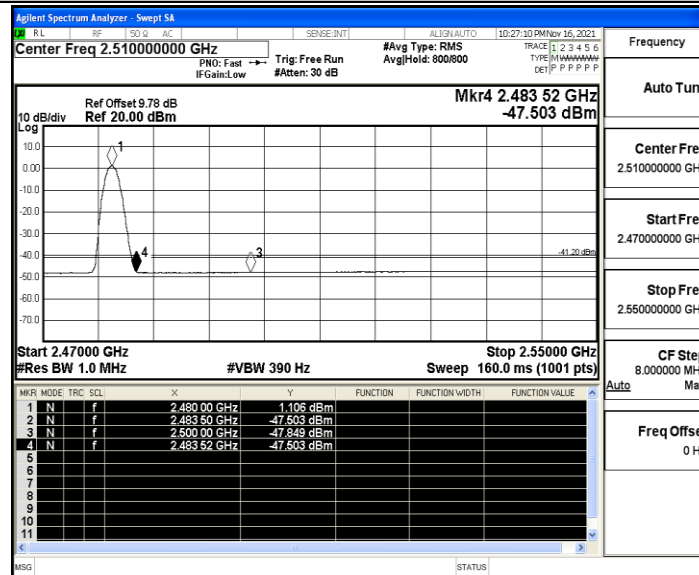




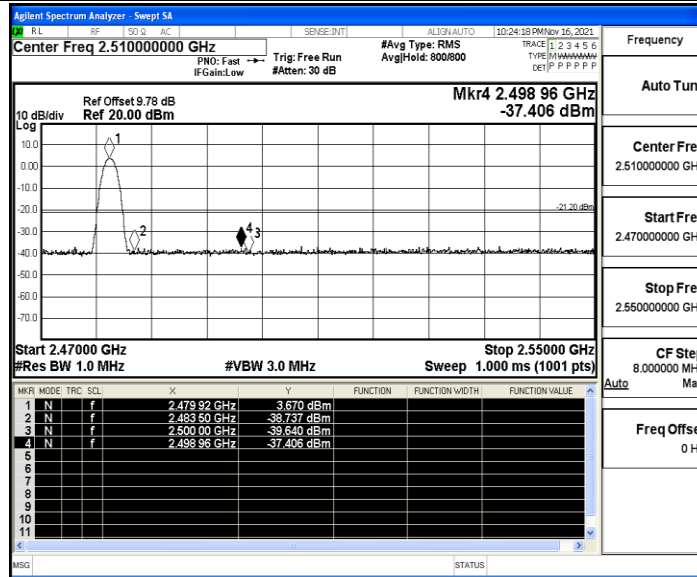
2DH5_Ant1_Low_2402_Peak



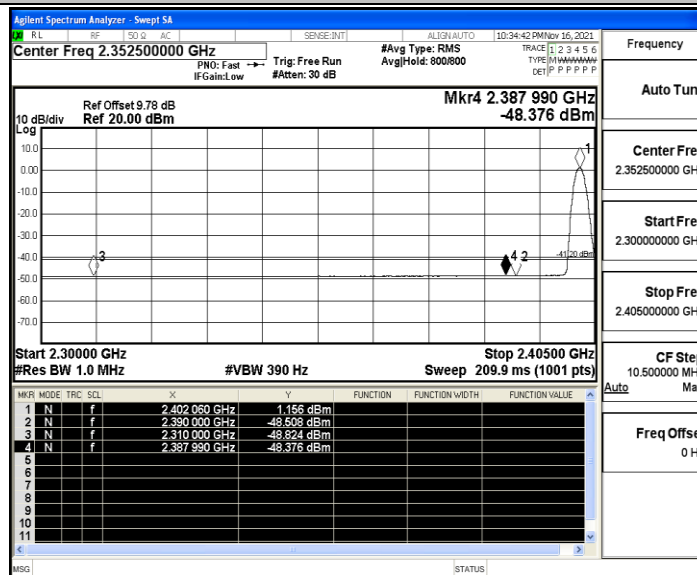
2DH5_Ant1_High_2480_AV



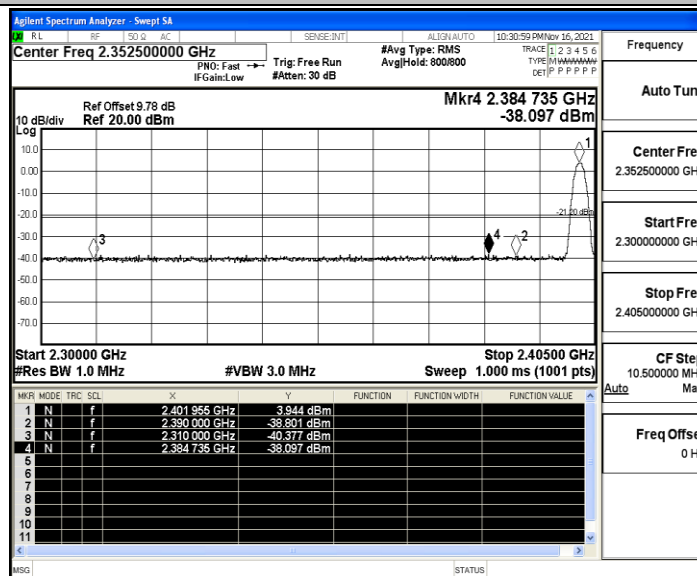
2DH5_Ant1_High_2480_Peak



3DH5_Ant1_Low_2402_AV

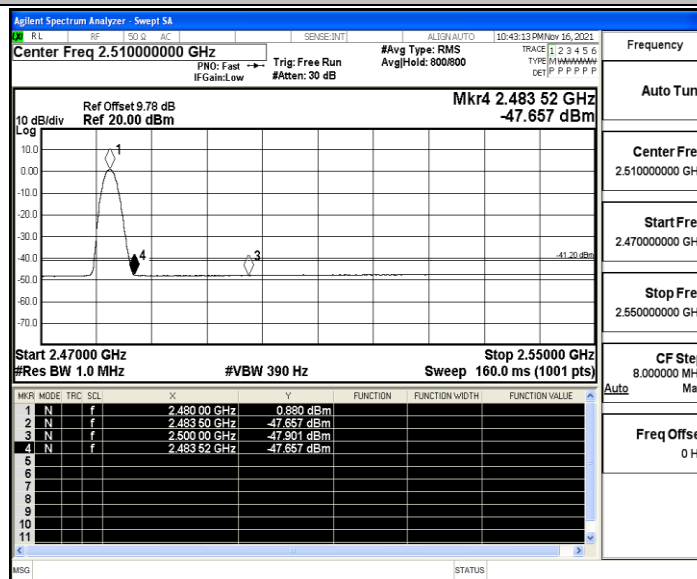


3DH5_Ant1_Low_2402_Peak





3DH5_Ant1_High_2480_AV



3DH5_Ant1_High_2480_Peak

