Appendix A
RF Test Data for BT(BDR/EDR) (Conducted Measurement)

Product Name: Wireless headset

Trade Mark: kendir

Test Model: Kendir-K1

FCC ID: 2AY56KENDIR-K1

Environmental Conditions

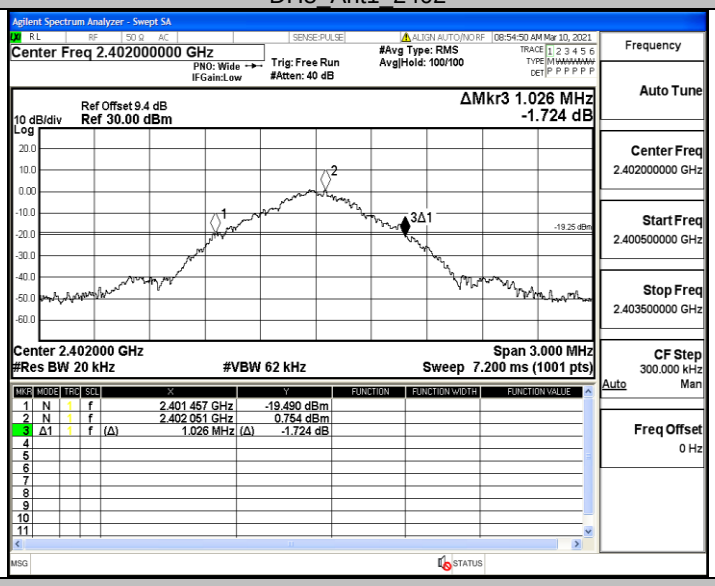
Temperature:	22.8° C
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Nancy Li
Supervised by:	Hugo Chen

A.1 20 dB Bandwidth

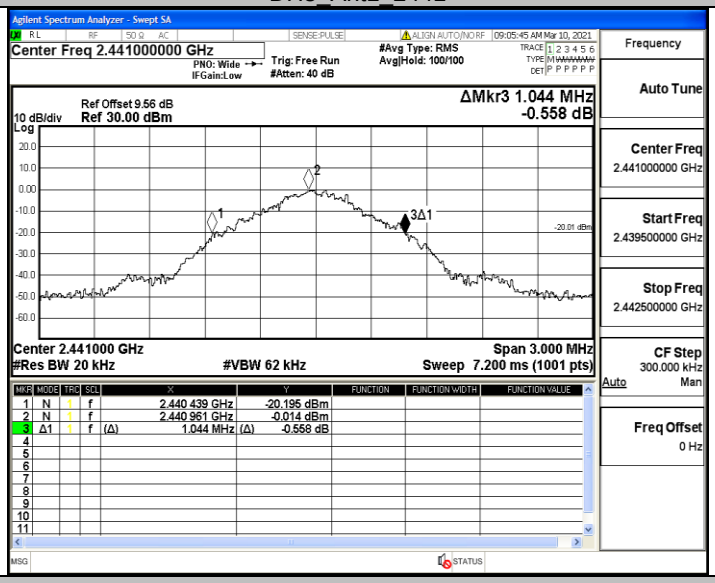
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.026	2401.457	2402.483	---	PASS
		2441	1.044	2440.439	2441.483	---	PASS
		2480	1.002	2479.463	2480.465	---	PASS
2DH5	Ant1	2402	1.269	2401.343	2402.612	---	PASS
		2441	1.281	2440.349	2441.630	---	PASS
		2480	1.305	2479.331	2480.636	---	PASS
3DH5	Ant1	2402	1.281	2401.340	2402.621	---	PASS
		2441	1.257	2440.355	2441.612	---	PASS
		2480	1.287	2479.334	2480.621	---	PASS

Test Graph

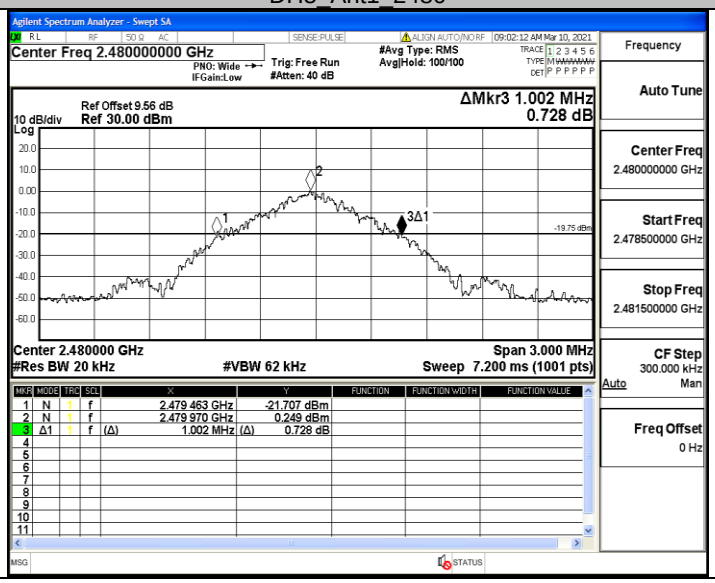
DH5_Ant1_2402



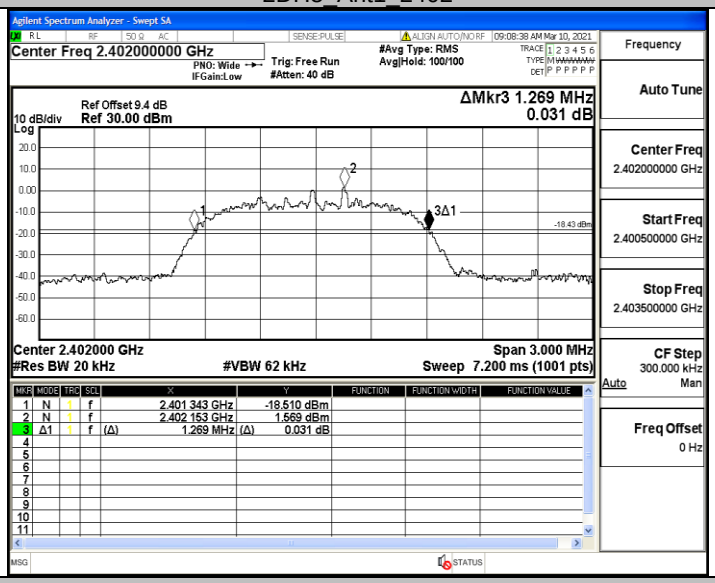
DH5_Ant1_2441



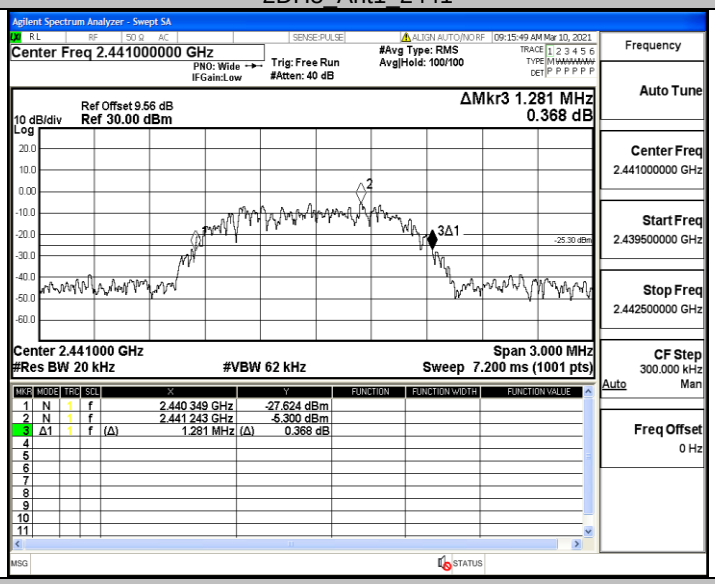
DH5_Ant1_2480



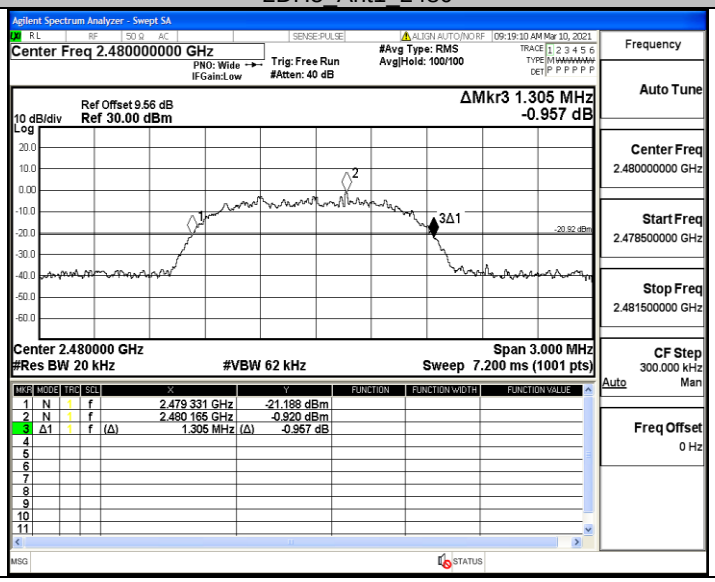
2DH5_Ant1_2402



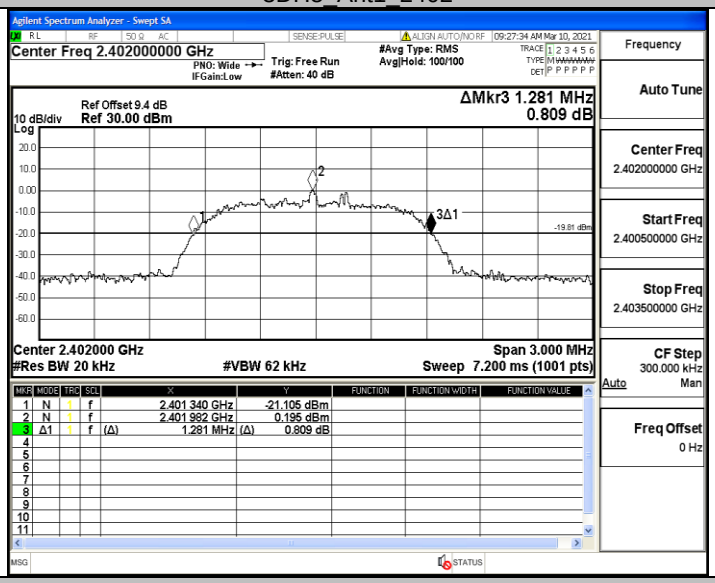
2DH5_Ant1_2441



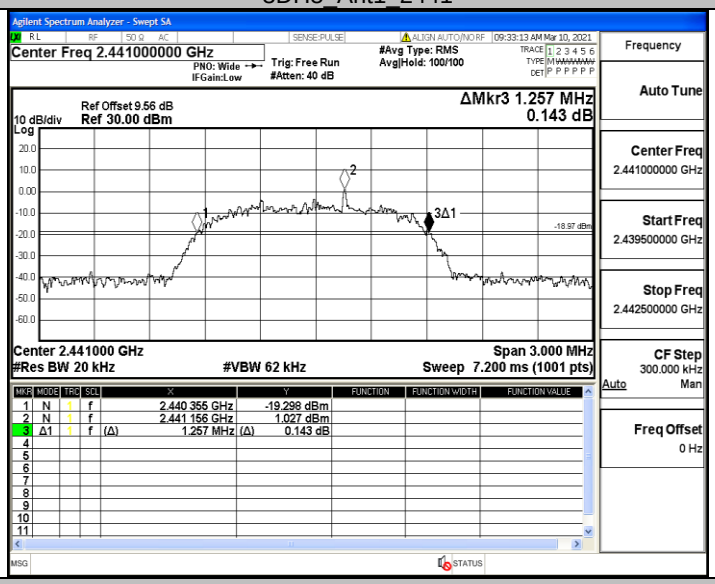
2DH5_Ant1_2480



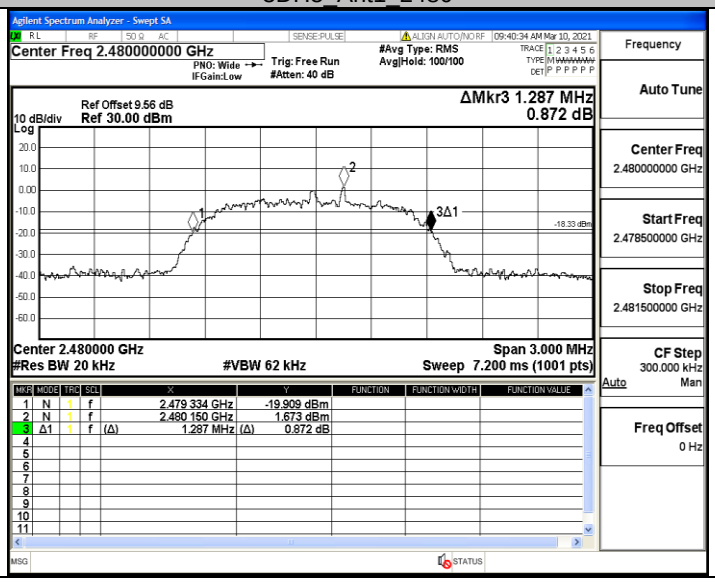
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

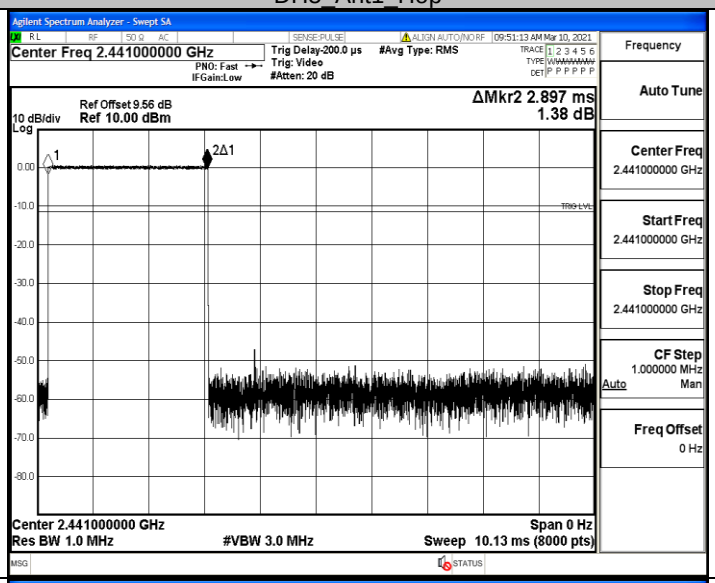


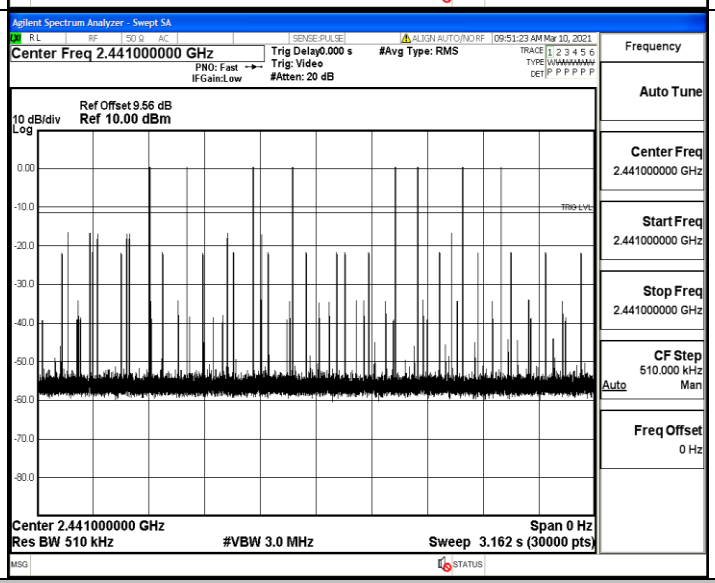
A.2 Dwell Time

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.90	90	0.261	<=0.4	PASS
2DH5	Ant1	Hop	2.90	110	0.319	<=0.4	PASS
3DH5	Ant1	Hop	2.90	90	0.261	<=0.4	PASS

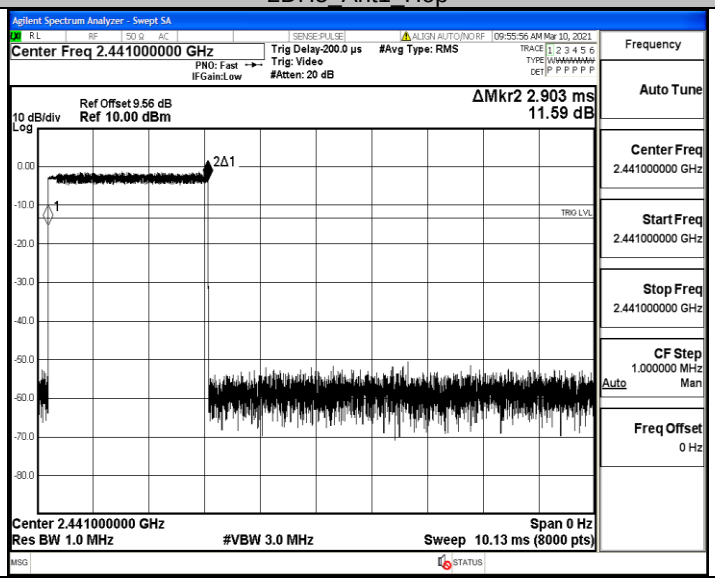
Test Graph

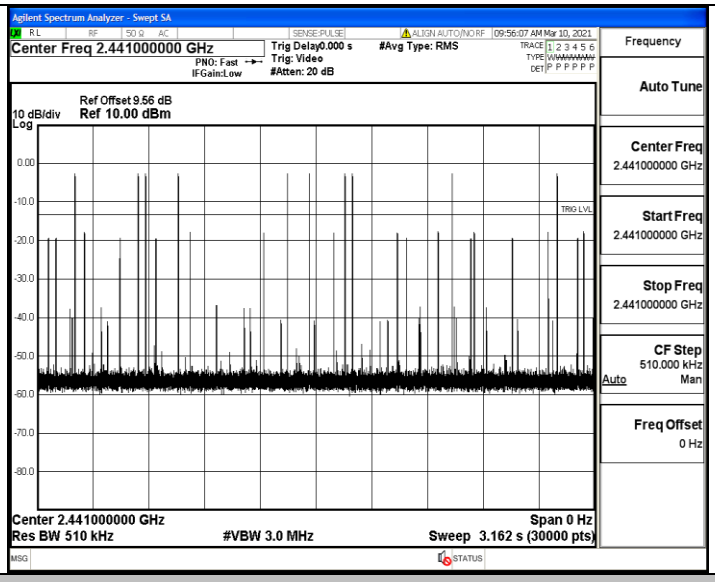
DH5_Ant1_Hop



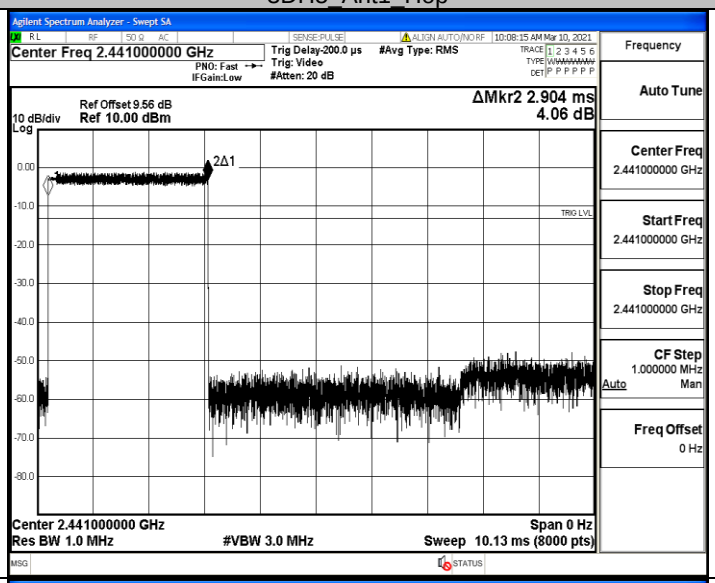


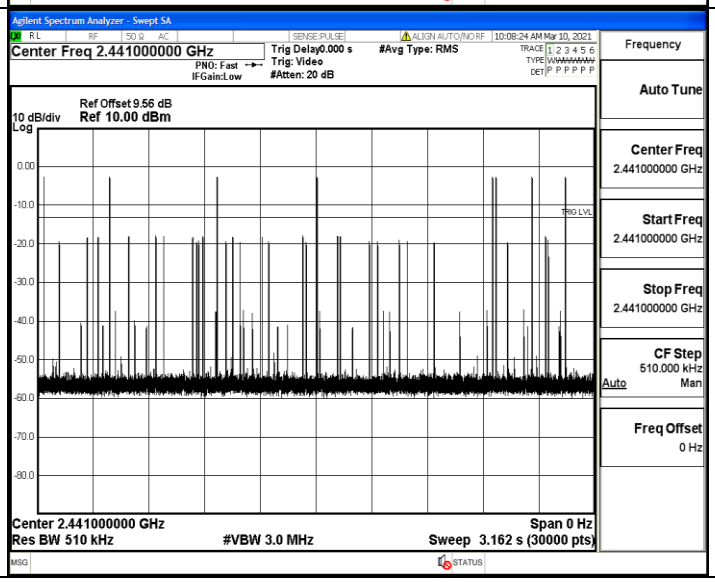
2DH5_Ant1_Hop





3DH5_Ant1_Hop



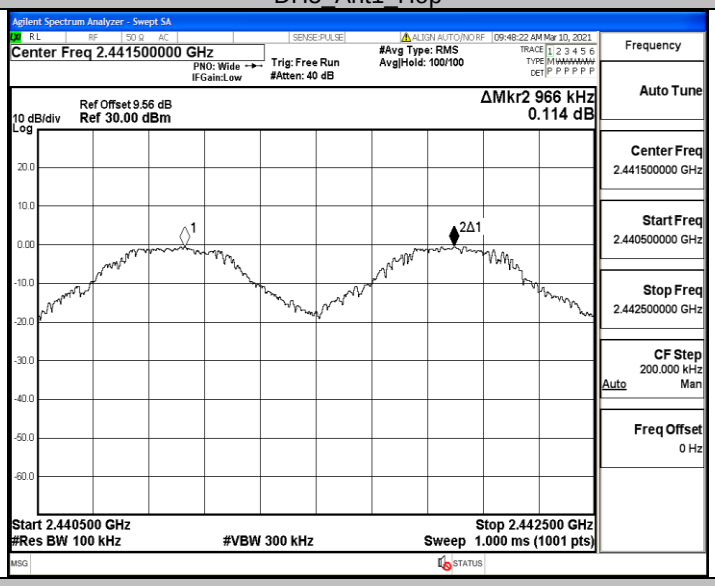


A.3 Carrier Frequency Separation

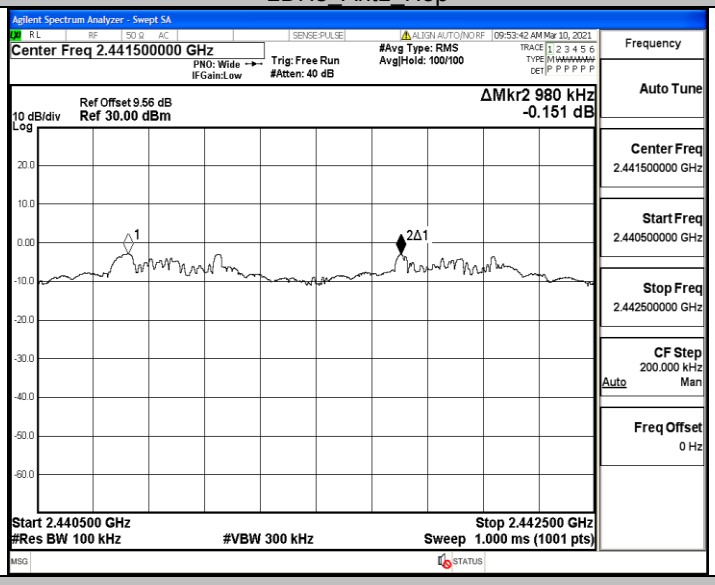
TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.966	>=0.696	PASS
2DH5	Ant1	Hop	0.98	>=0.870	PASS
3DH5	Ant1	Hop	1.004	>=0.858	PASS

Test Graph

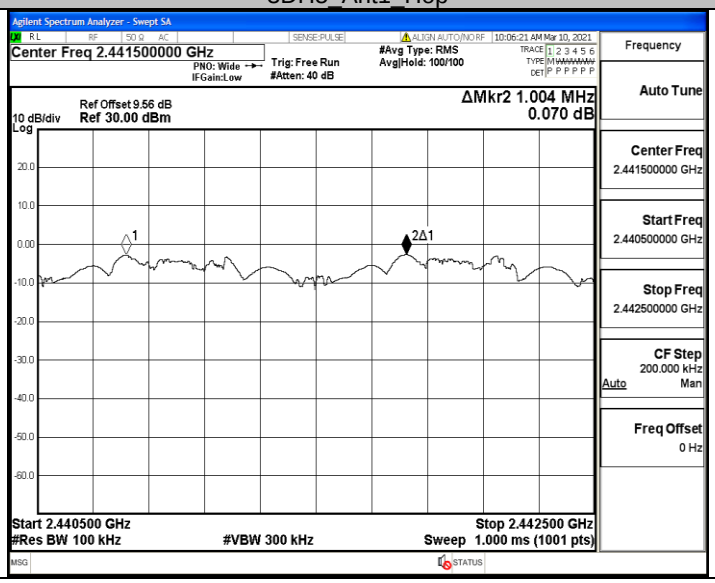
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

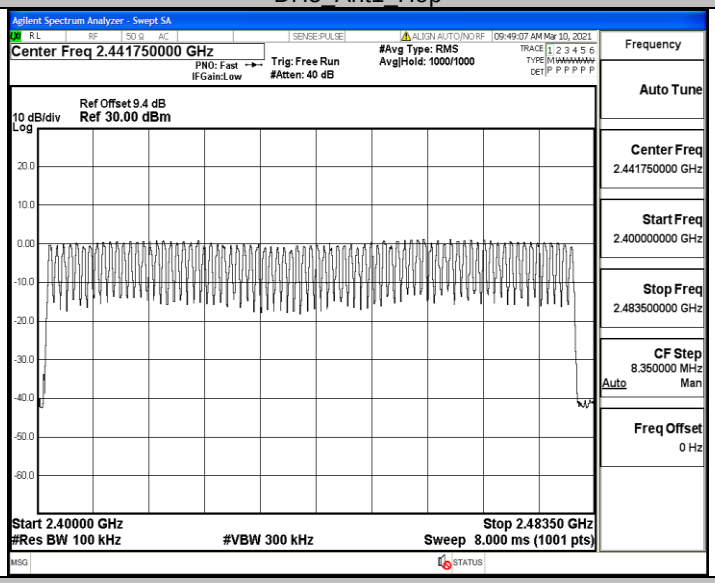


A.4 Hopping Channel Number

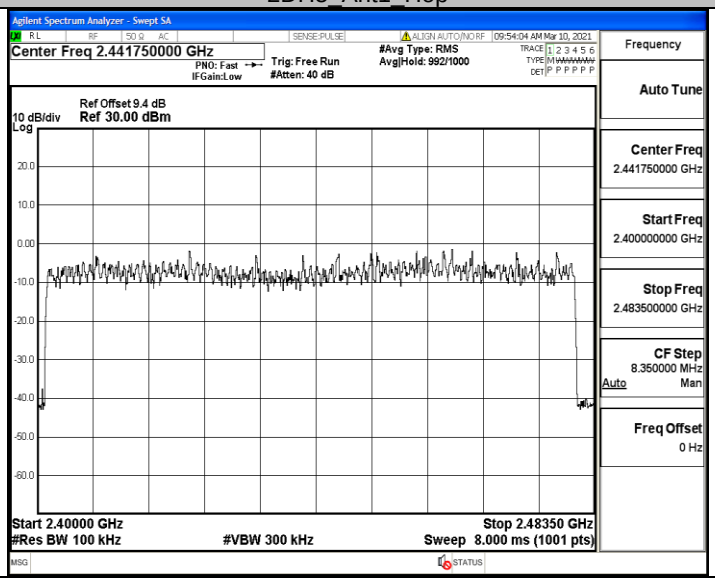
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	>=15	PASS
2DH5	Ant1	Hop	79	>=15	PASS
3DH5	Ant1	Hop	79	>=15	PASS

Test Graph

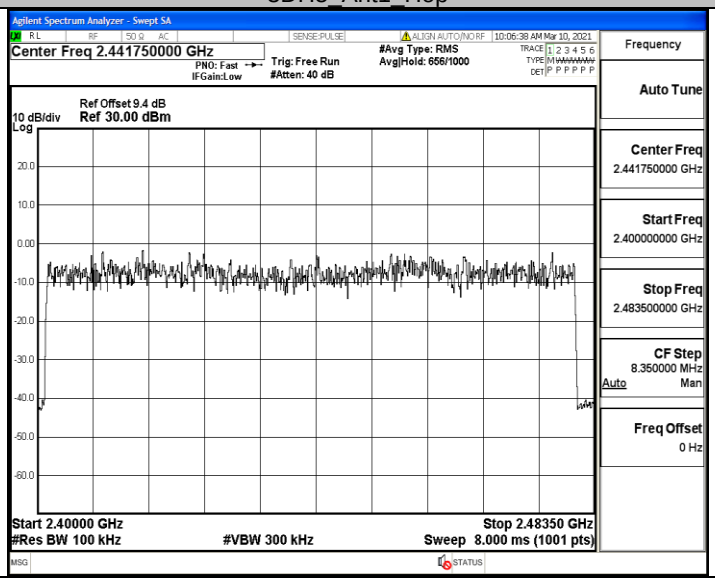
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

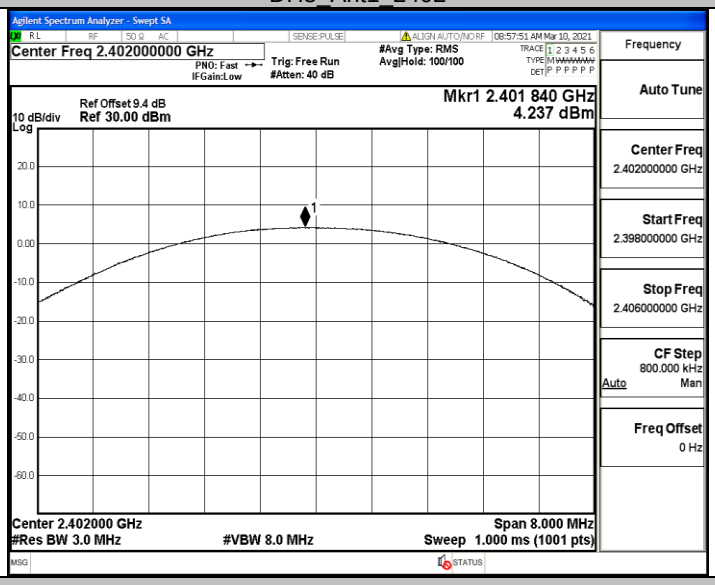


A.5 Conducted Peak Output Power

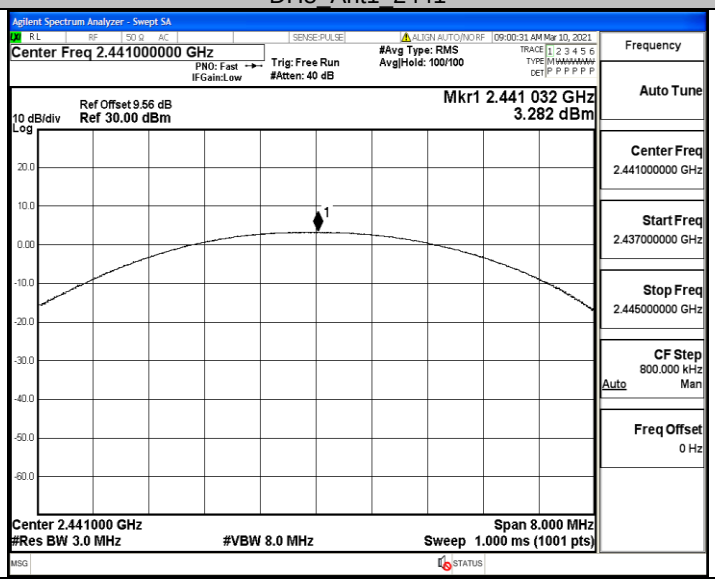
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	4.24	<=20.97	PASS
		2441	3.28	<=20.97	PASS
		2480	4.35	<=20.97	PASS
2DH5	Ant1	2402	5.34	<=20.97	PASS
		2441	4.99	<=20.97	PASS
		2480	5.54	<=20.97	PASS
3DH5	Ant1	2402	5.83	<=20.97	PASS
		2441	5.42	<=20.97	PASS
		2480	5.89	<=20.97	PASS

Test Graph

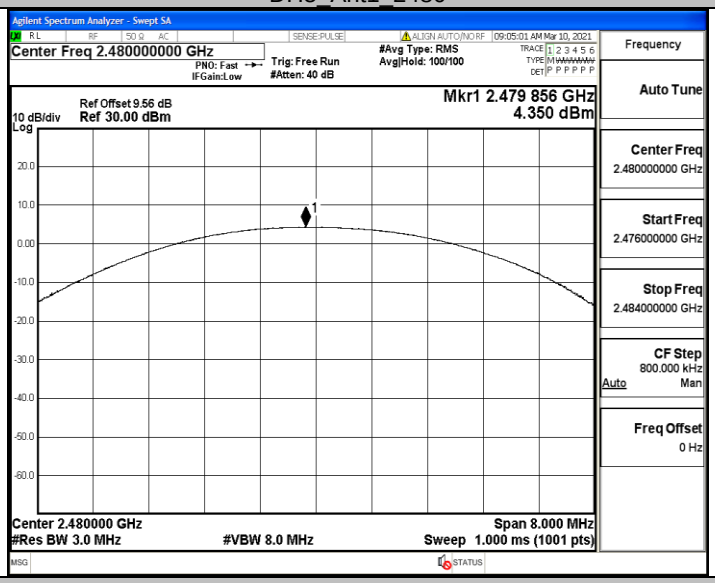
DH5_Ant1_2402



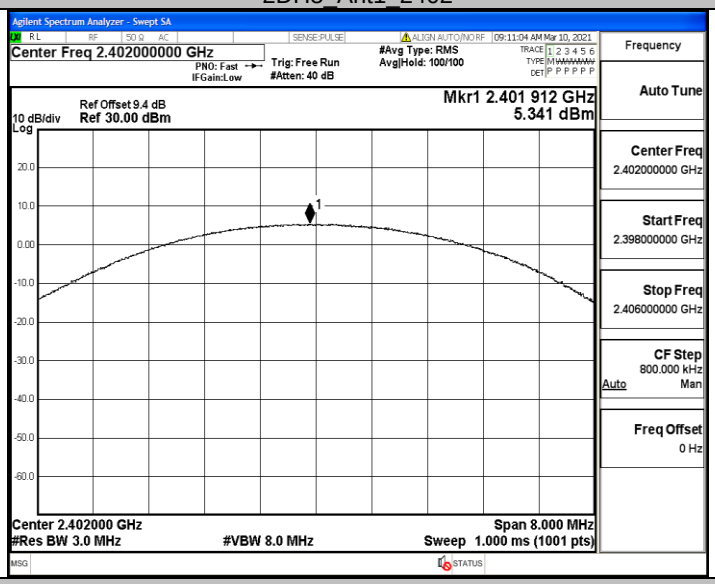
DH5_Ant1_2441



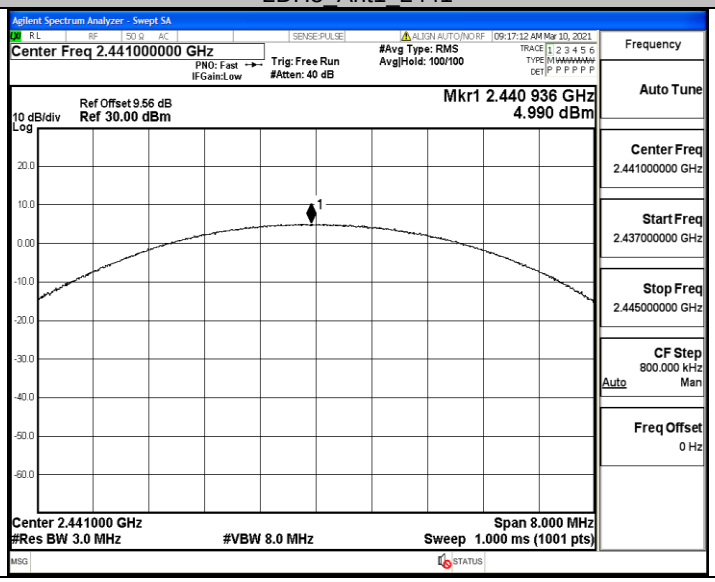
DH5_Ant1_2480



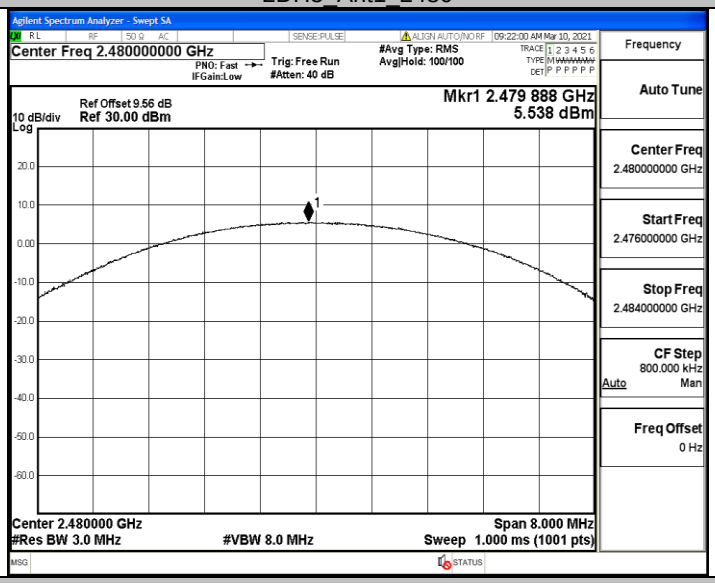
2DH5_Ant1_2402



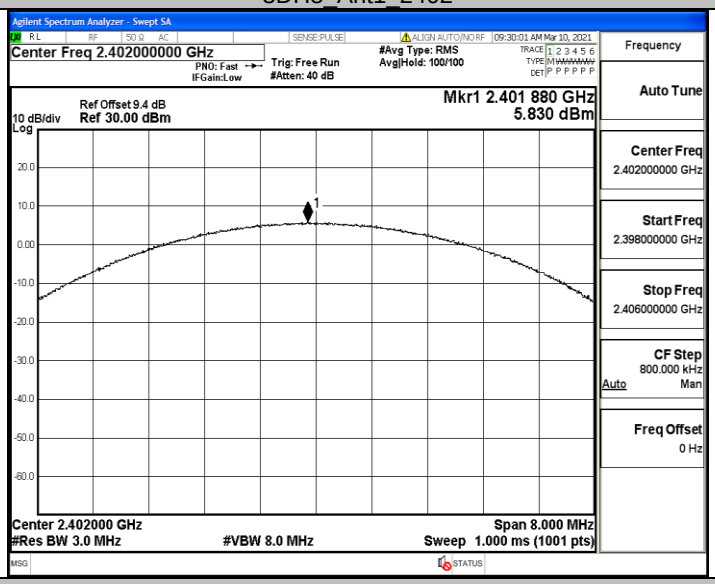
2DH5_Ant1_2441



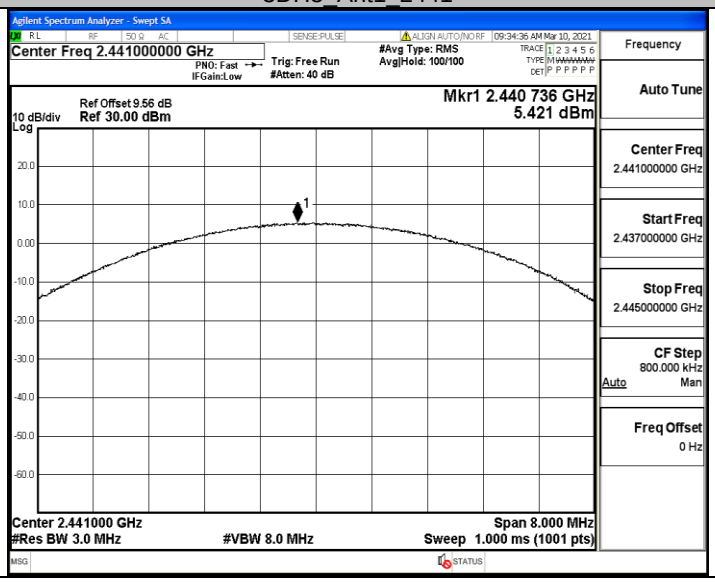
2DH5_Ant1_2480



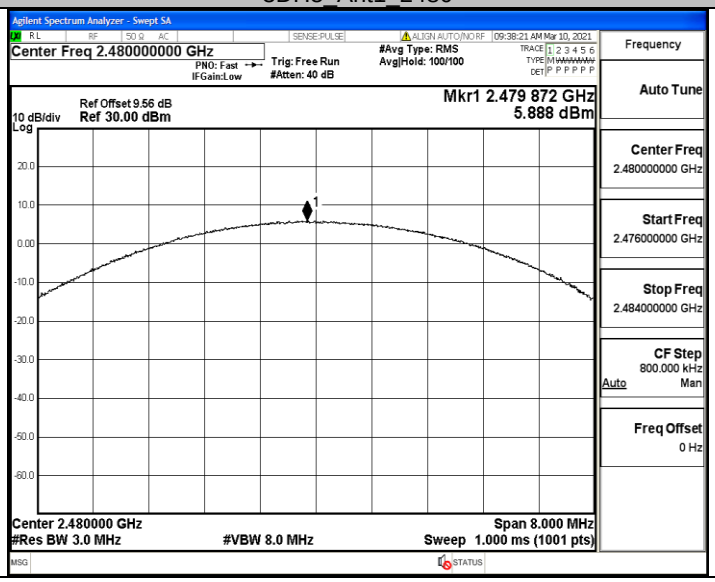
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

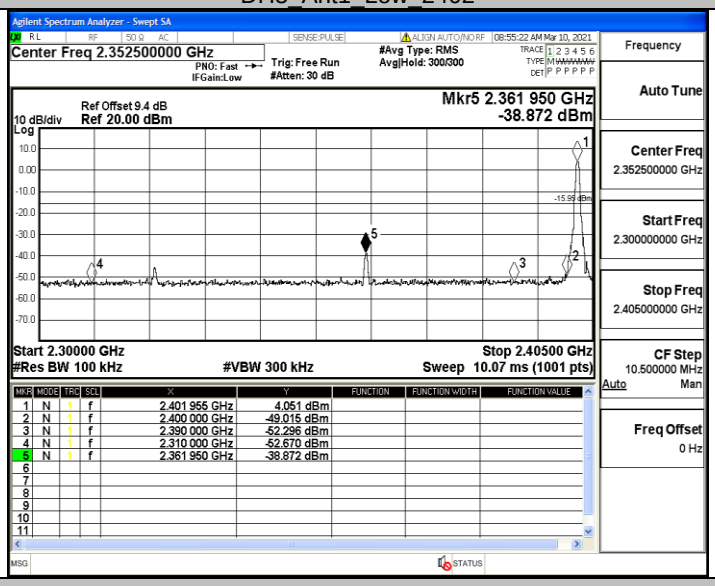


A.6 Band-edge for RF Conducted Emissions

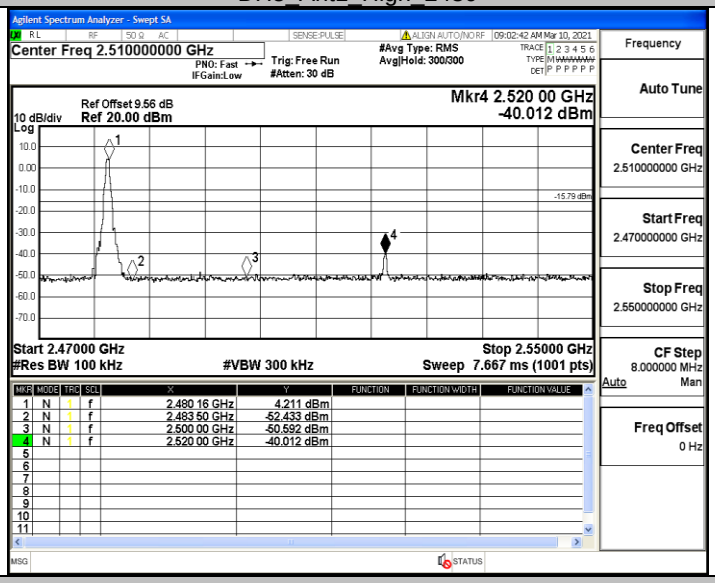
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	4.05	-38.87	<=-15.95	PASS
		High	2480	4.21	-40.01	<=-15.79	PASS
		Low	Hop_2402	0.24	-42.82	<=-19.76	PASS
		High	Hop_2480	0.85	-43.13	<=-19.15	PASS
2DH5	Ant1	Low	2402	3.94	-40.7	<=-16.06	PASS
		High	2480	4.18	-41.32	<=-15.82	PASS
		Low	Hop_2402	-5.72	-45.96	<=-25.72	PASS
		High	Hop_2480	-4.28	-47.14	<=-24.28	PASS
3DH5	Ant1	Low	2402	3.90	-40.2	<=-16.11	PASS
		High	2480	4.16	-42.53	<=-15.84	PASS
		Low	Hop_2402	-5.79	-46.38	<=-25.79	PASS
		High	Hop_2480	-3.59	-45.97	<=-23.59	PASS

Test Graph

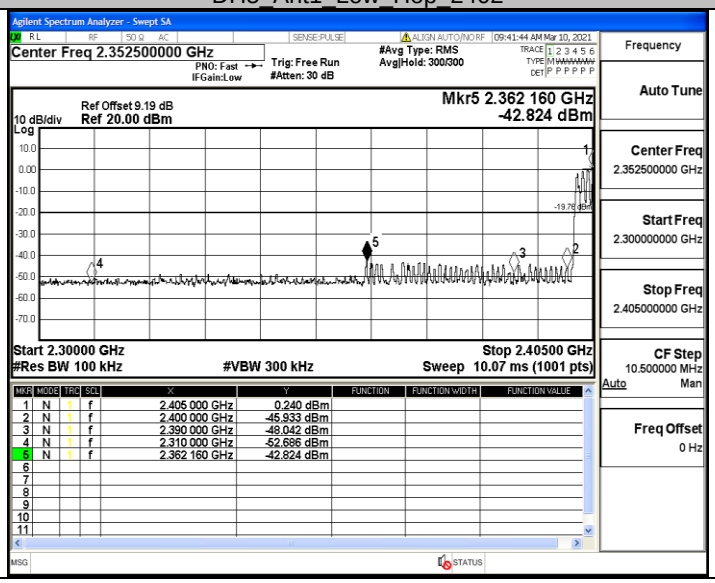
DH5_Ant1_Low_2402



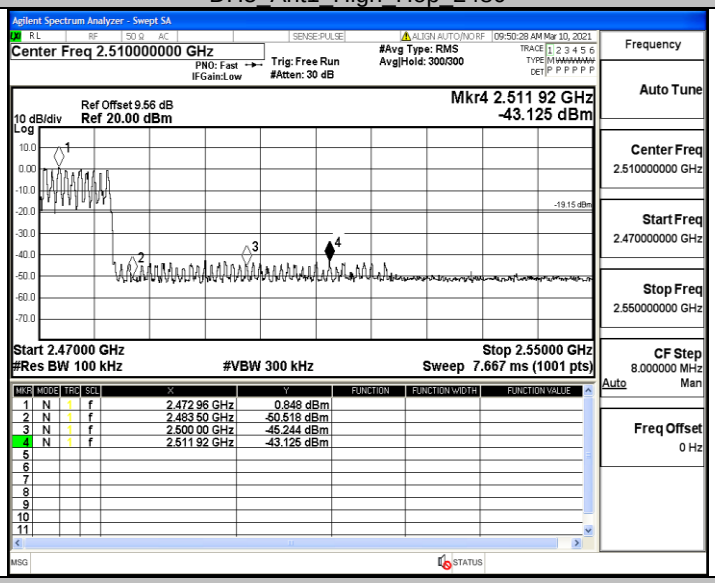
DH5_Ant1_High_2480



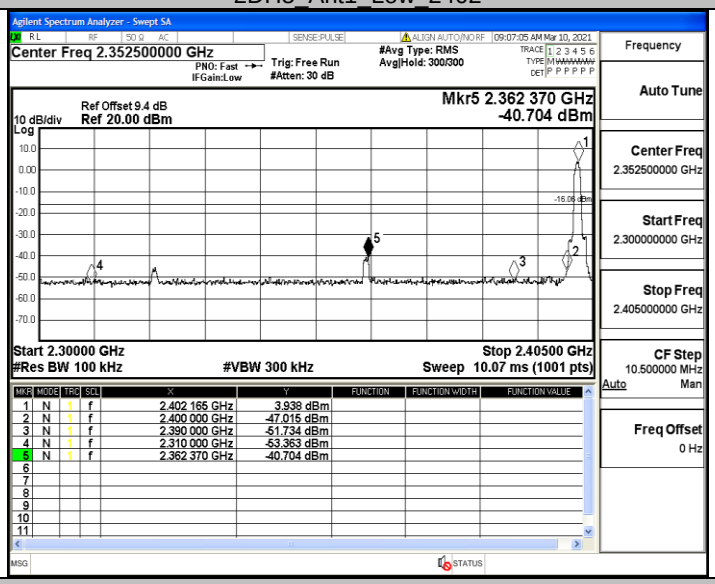
DH5_Ant1_Low_Hop_2402



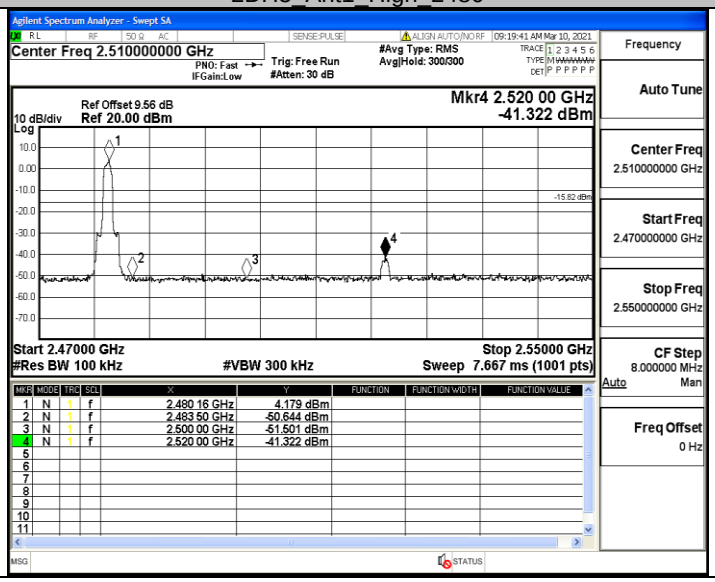
DH5_Ant1_High_Hop_2480



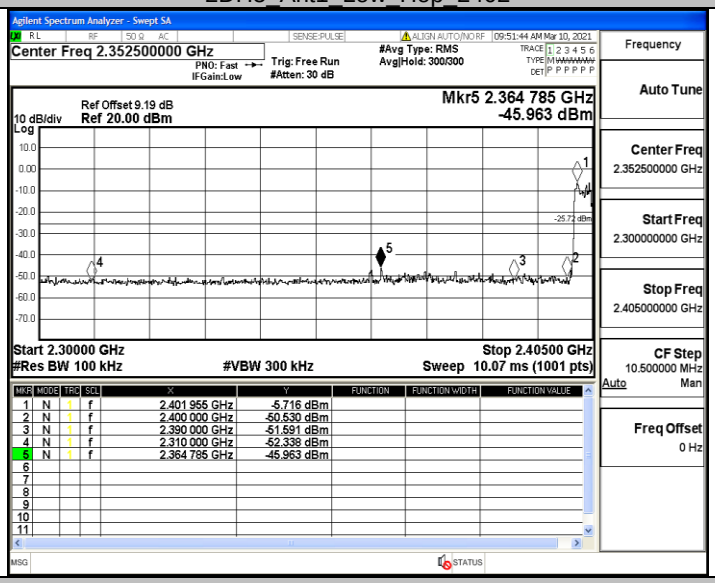
2DH5_Ant1_Low_2402



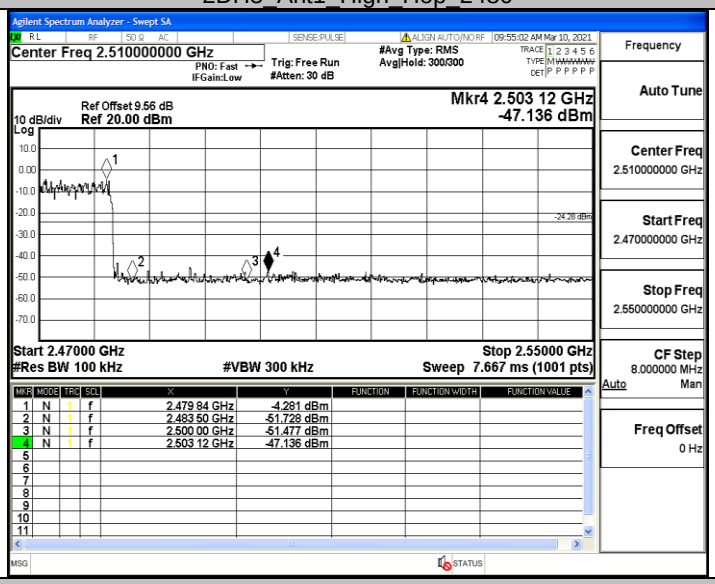
2DH5_Ant1_High_2480



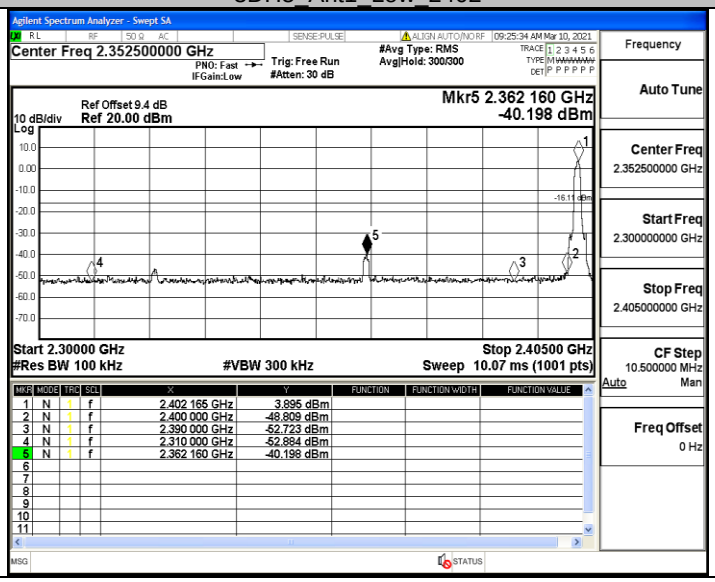
2DH5_Ant1_Low_Hop_2402



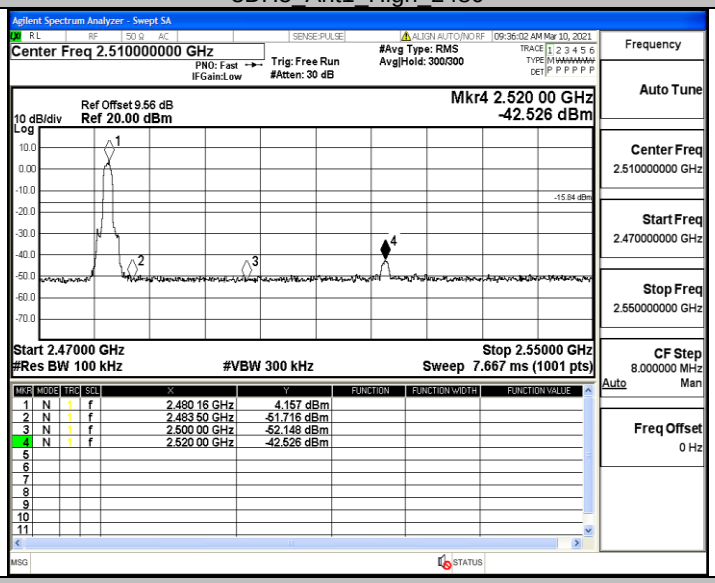
2DH5_Ant1_High_Hop_2480



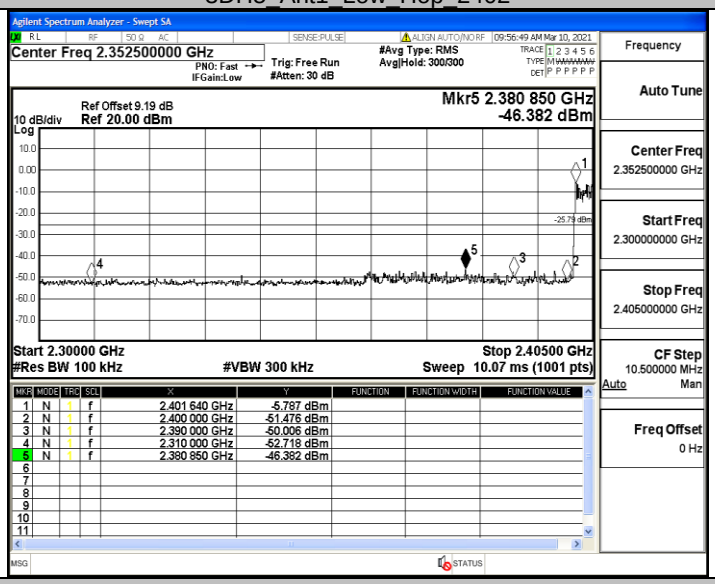
3DH5_Ant1_Low_2402



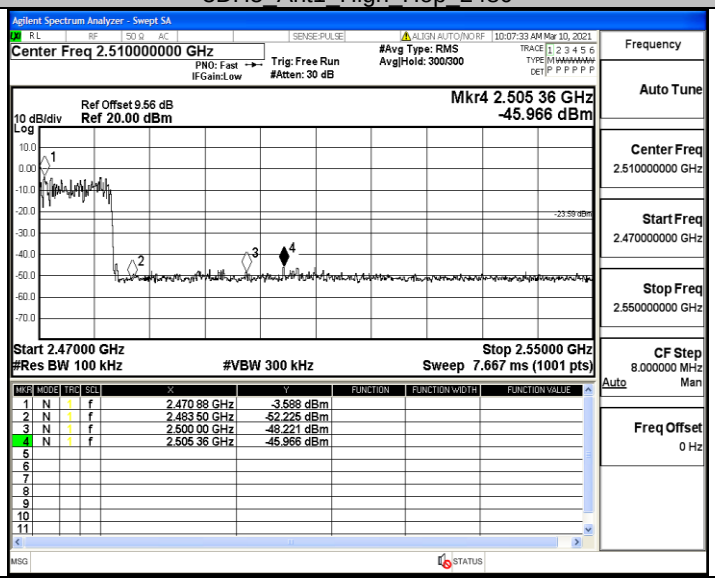
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



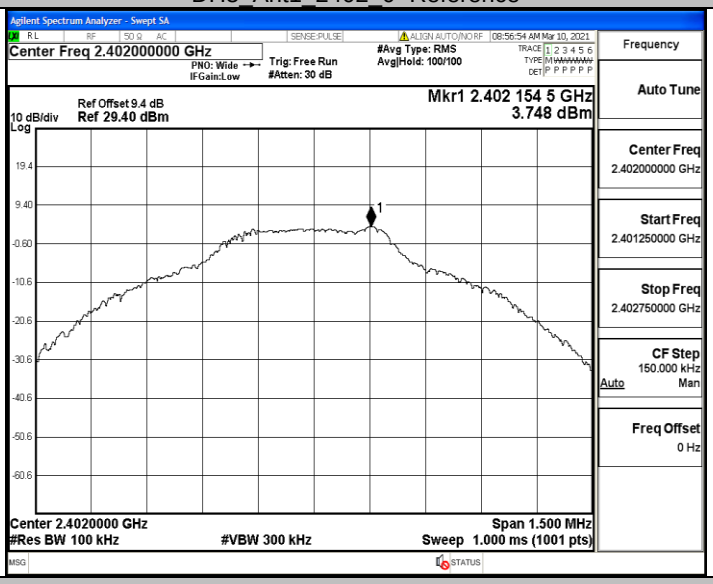
3DH5_Ant1_High_Hop_2480



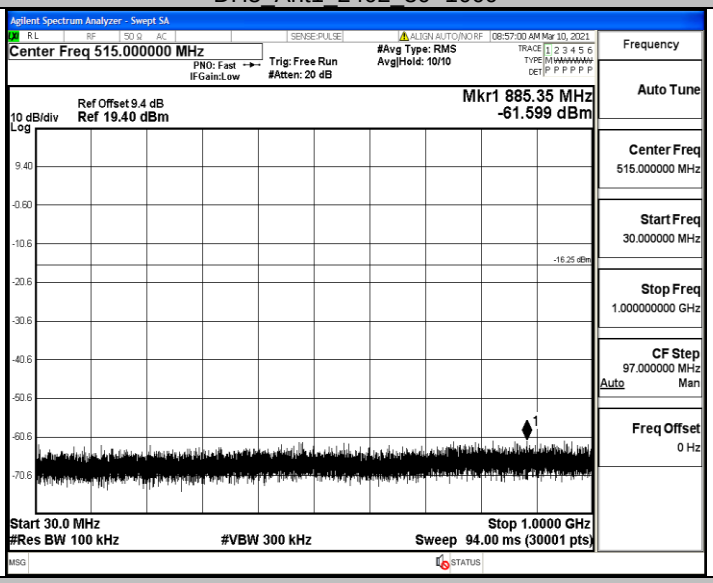
A.7 RF Conducted Spurious Emissions

Test Graph

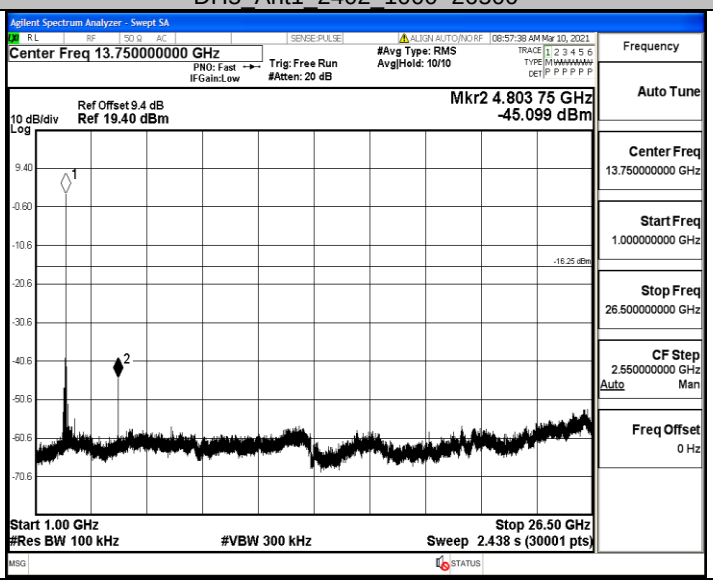
DH5_Ant1_2402_0~Reference



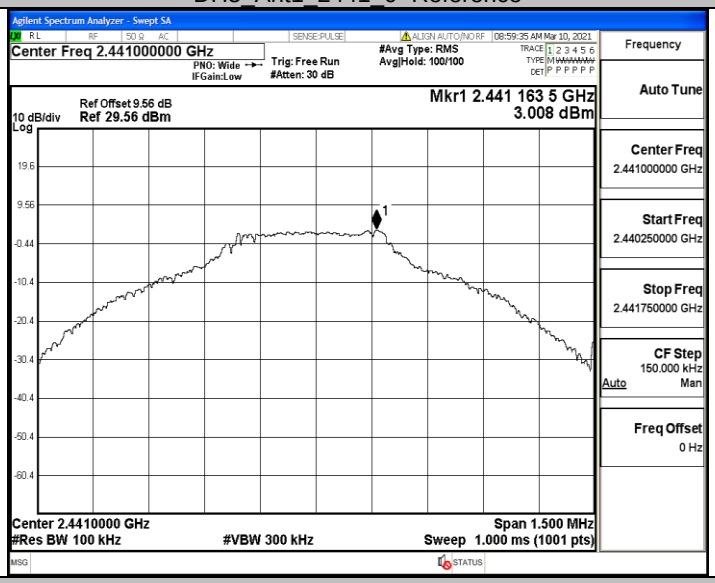
DH5_Ant1_2402_30~1000



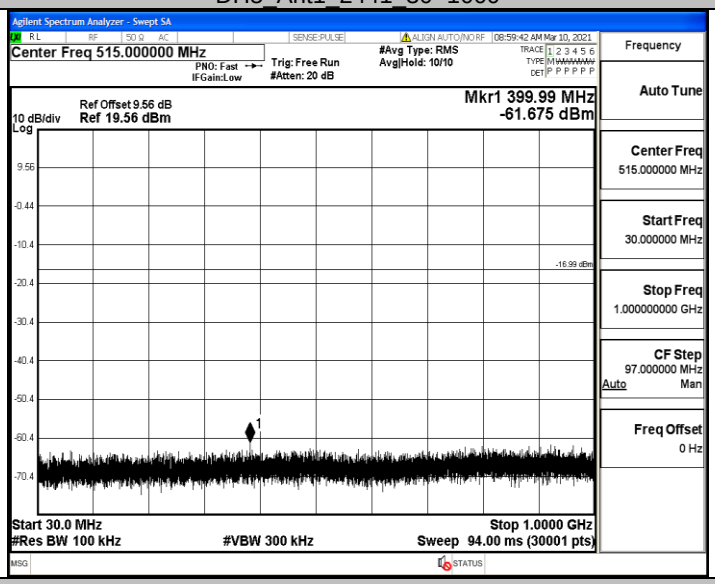
DH5_Ant1_2402_1000~26500



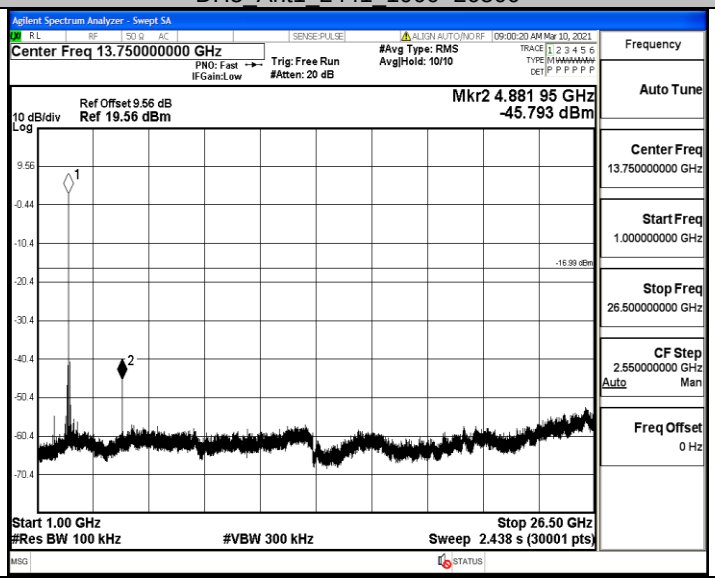
DH5_Ant1_2441_0~Reference



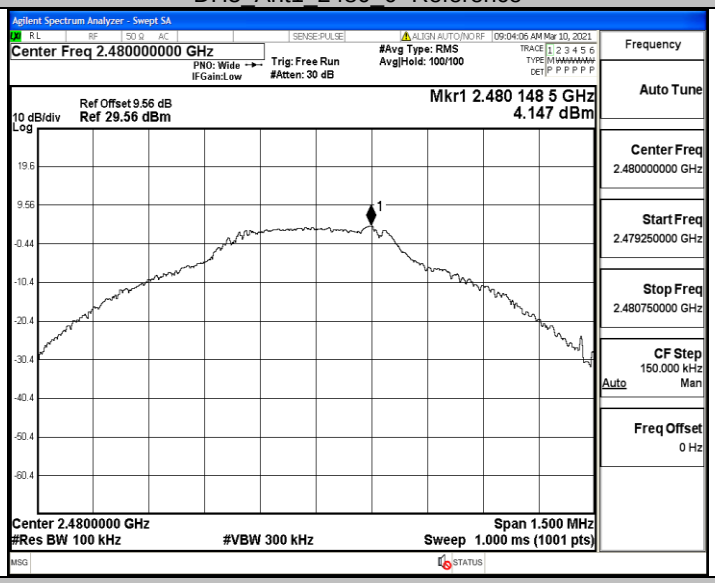
DH5_Ant1_2441_30~1000



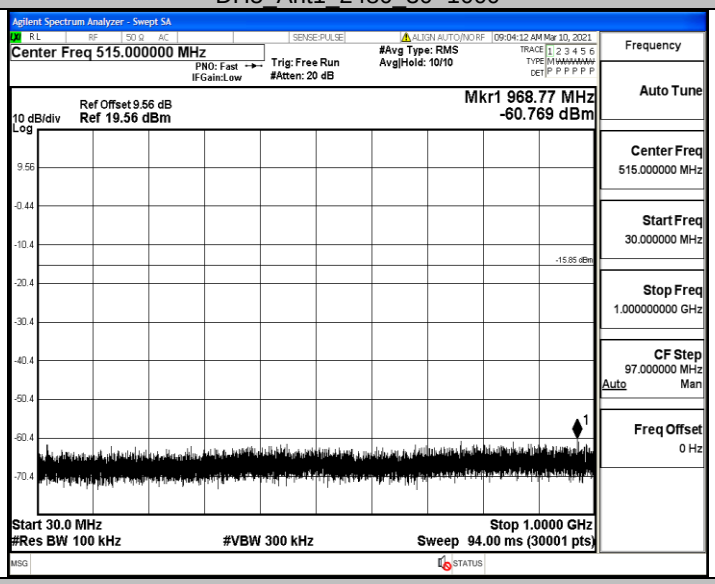
DH5_Ant1_2441_1000~26500



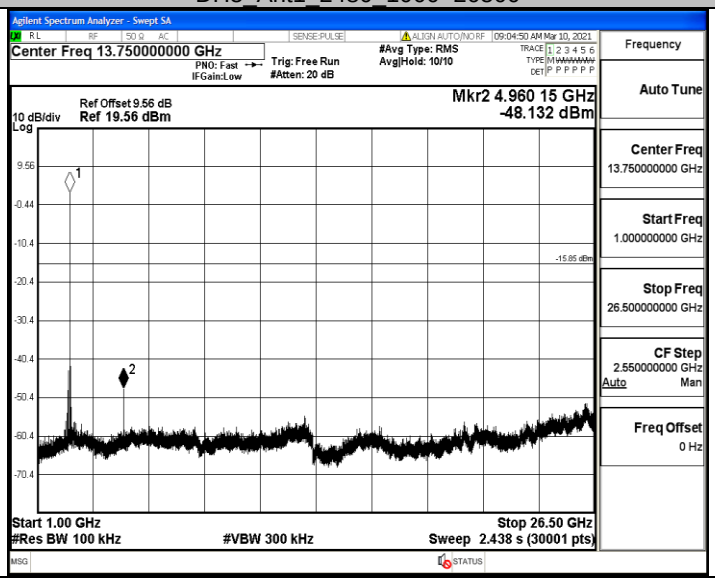
DH5_Ant1_2480_0~Reference



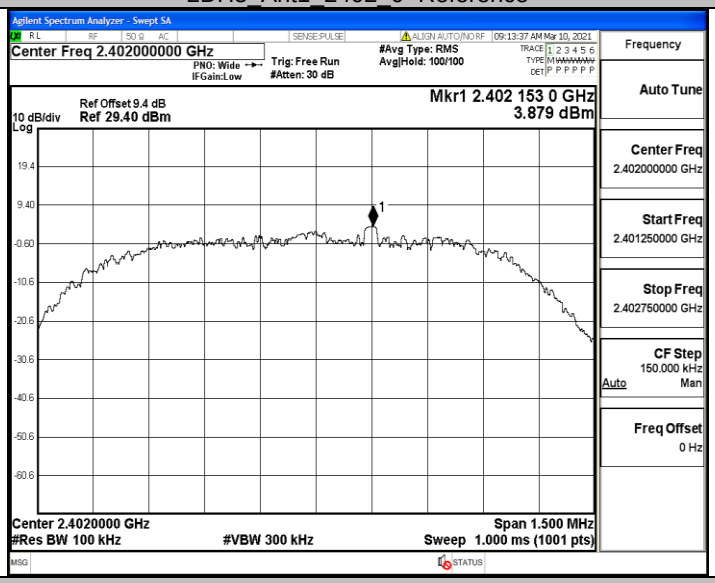
DH5_Ant1_2480_30~1000



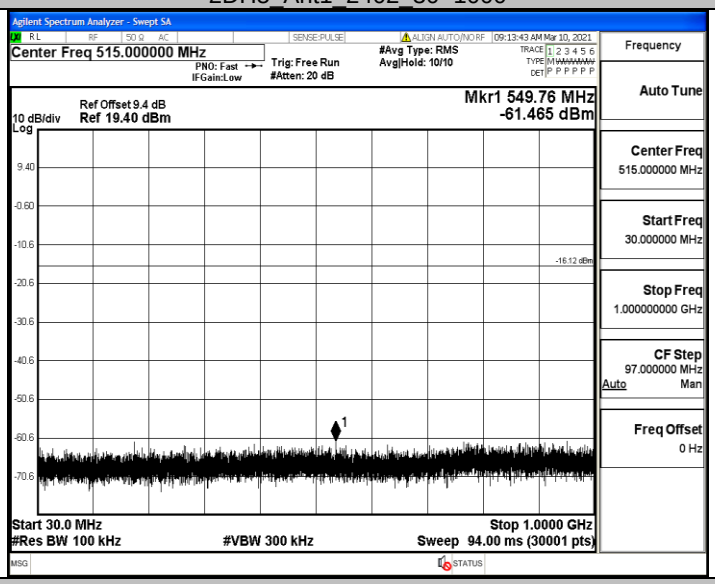
DH5_Ant1_2480_1000~26500



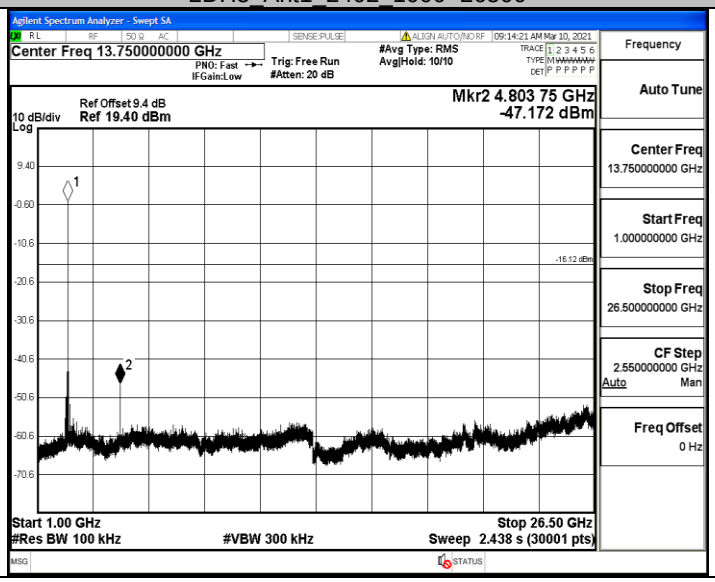
2DH5_Ant1_2402_0~Reference



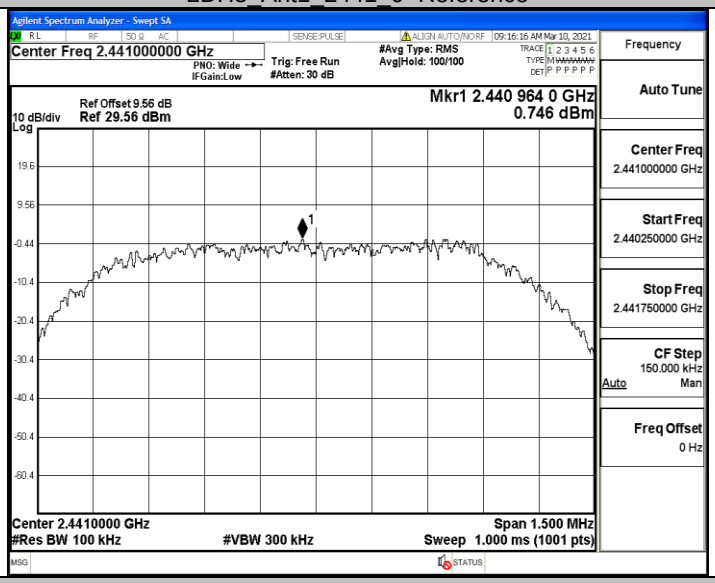
2DH5_Ant1_2402_30~1000



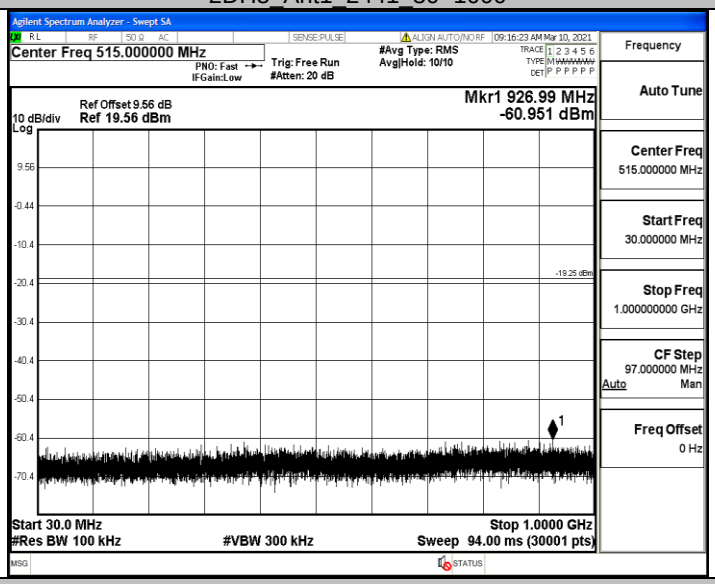
2DH5_Ant1_2402_1000~26500



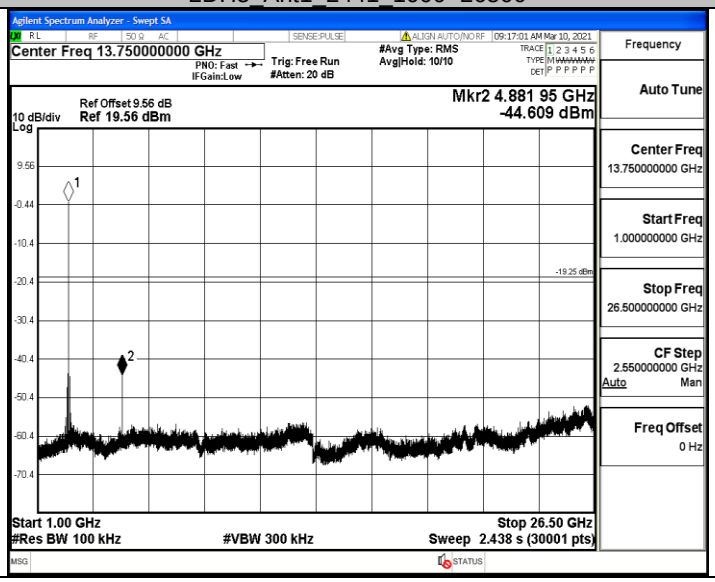
2DH5_Ant1_2441_0~Reference



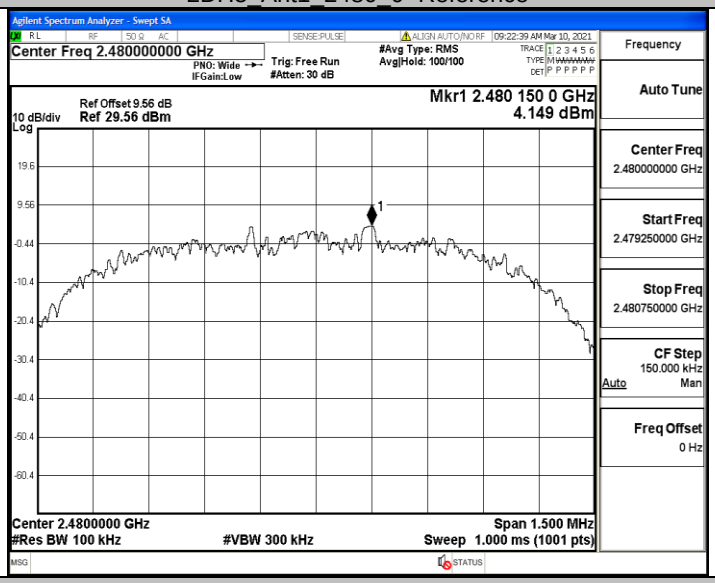
2DH5_Ant1_2441_30~1000



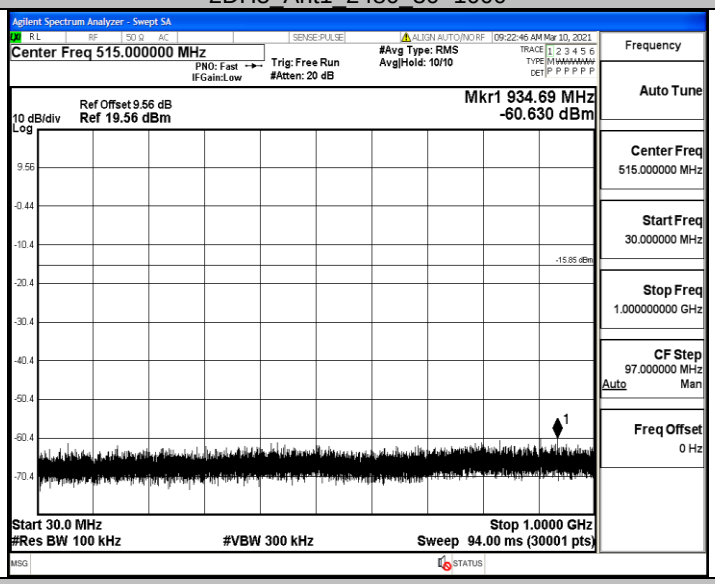
2DH5_Ant1_2441_1000~26500



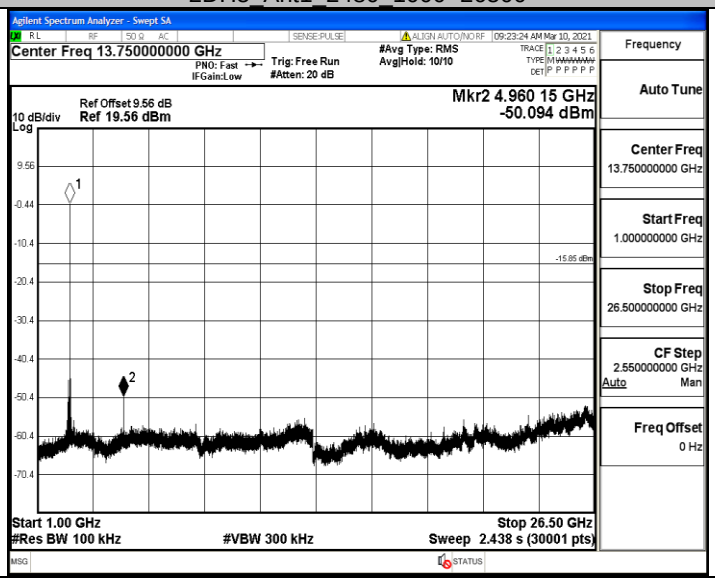
2DH5_Ant1_2480_0~Reference



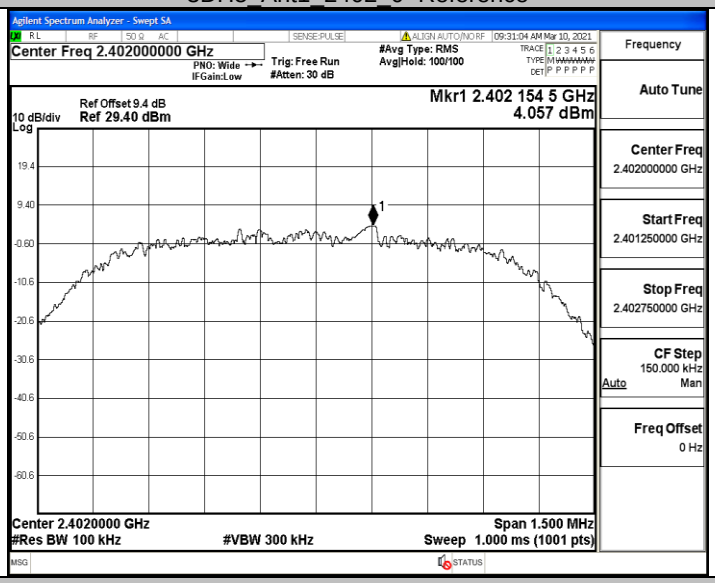
2DH5_Ant1_2480_30~1000



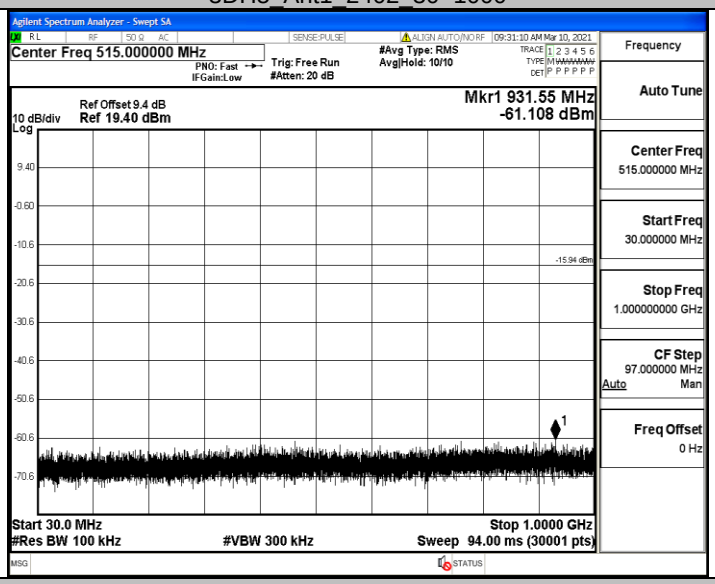
2DH5_Ant1_2480_1000~26500



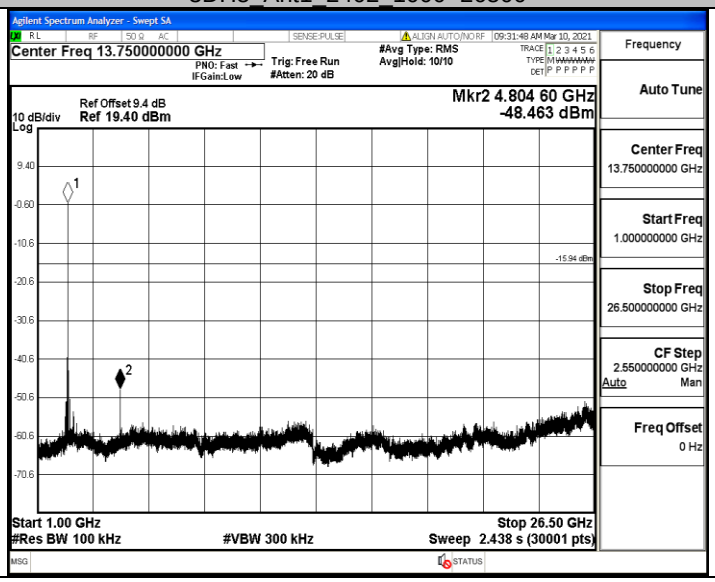
3DH5_Ant1_2402_0~Reference



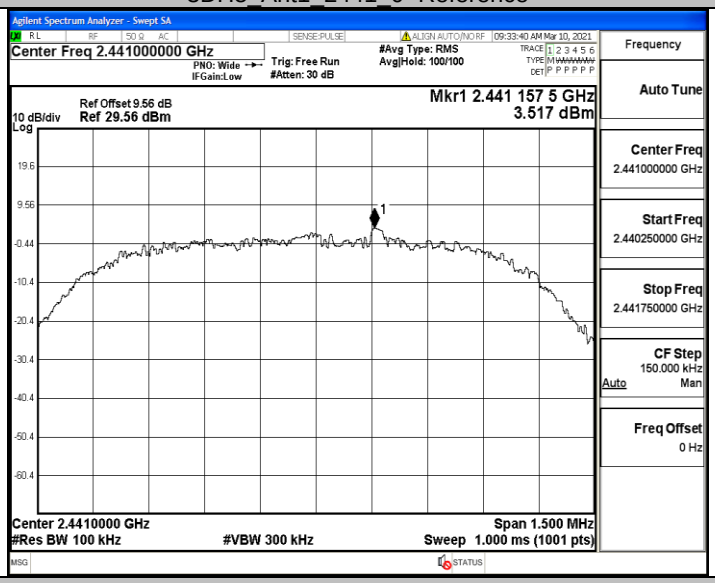
3DH5_Ant1_2402_30~1000



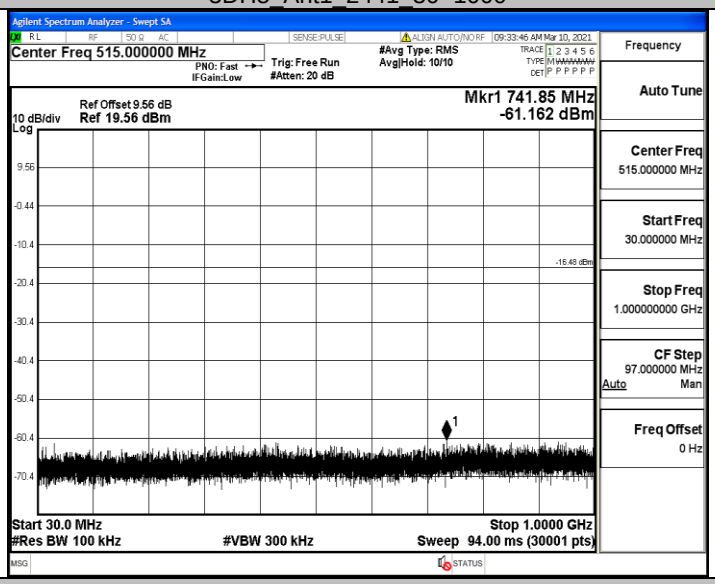
3DH5_Ant1_2402_1000~26500



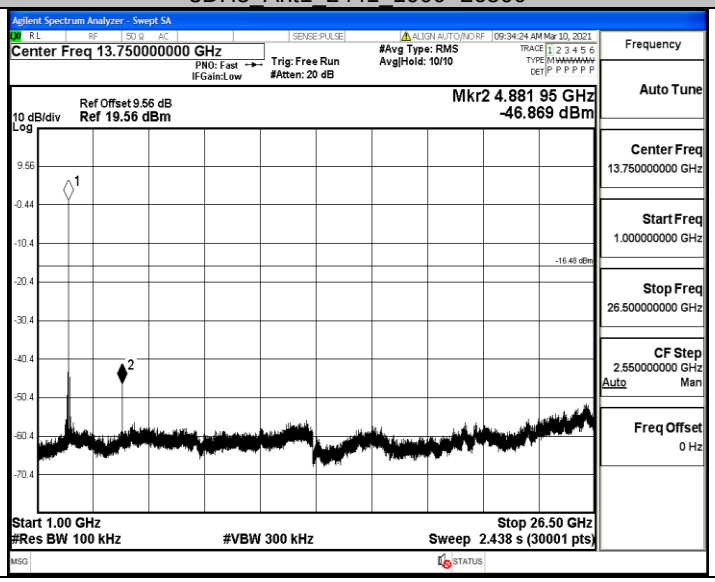
3DH5_Ant1_2441_0~Reference



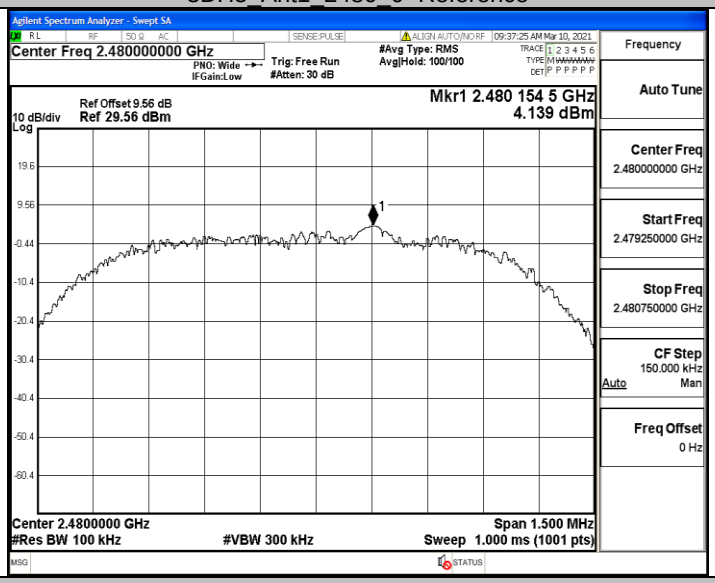
3DH5_Ant1_2441_30~1000



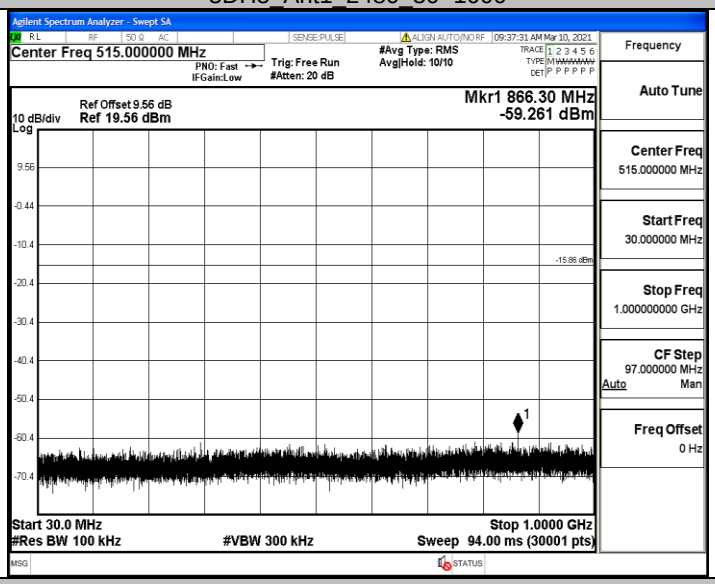
3DH5_Ant1_2441_1000~26500



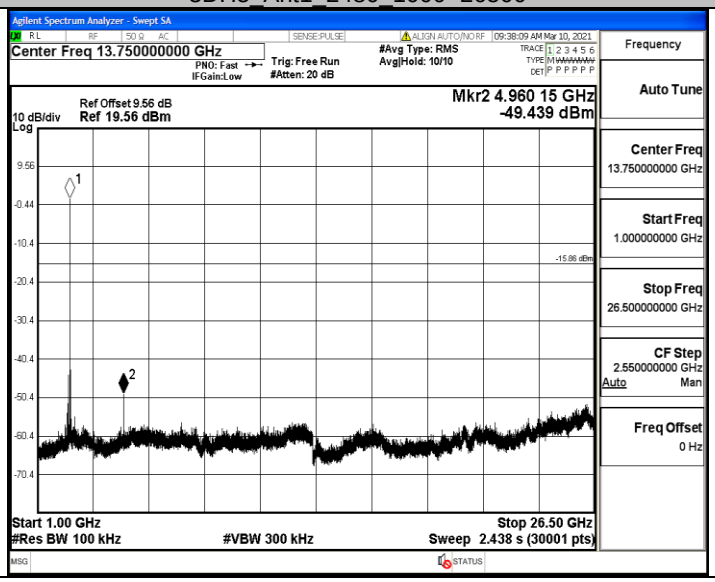
3DH5_Ant1_2480_0~Reference



3DH5_Ant1_2480_30~1000



3DH5_Ant1_2480_1000~26500



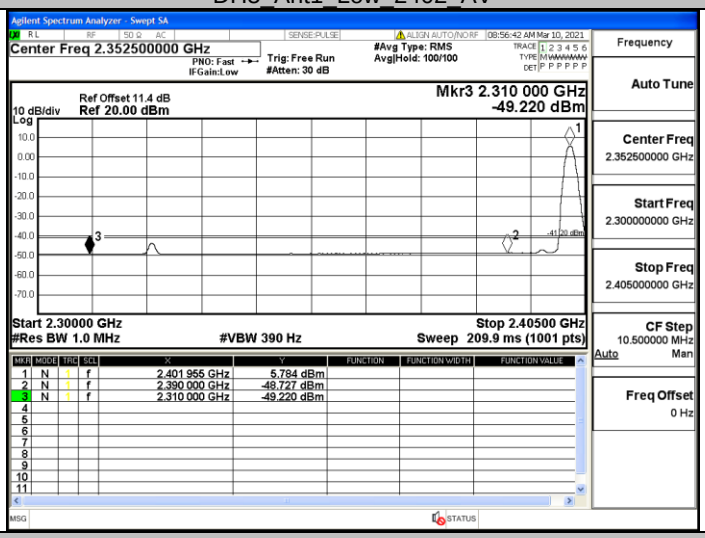
A.8 Restrict-band band-edge measurements

TestMode	Antenna	ChName	Channel(MHz)	Detector	Freq(MHz)	Result(dBm)	Limit(dBm)	Verdict
DH5	Ant1	Low	2402	AV	2310.000	-49.22	<=-41.20	PASS
				AV	2390.000	-48.73	<=-41.20	PASS
				Peak	2310.000	-41.71	<=-21.20	PASS
				Peak	2390.000	-42.95	<=-21.20	PASS
		High	2480	AV	2483.500	-47.09	<=-41.20	PASS
				AV	2500.000	-47.73	<=-41.20	PASS
				Peak	2483.500	-38.88	<=-21.20	PASS
				Peak	2500.000	-39.94	<=-21.20	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-48.85	<=-41.20	PASS
				AV	2390.000	-48.42	<=-41.20	PASS
				Peak	2310.000	-41.64	<=-21.20	PASS
				Peak	2390.000	-41.38	<=-21.20	PASS
		High	2480	AV	2483.500	-46.70	<=-41.20	PASS
				AV	2500.000	-47.70	<=-41.20	PASS
				Peak	2483.500	-39.77	<=-21.20	PASS
				Peak	2500.000	-40.49	<=-21.20	PASS
3DH5	Ant1	Low	2402	AV	2310.000	-48.85	<=-41.20	PASS
				AV	2390.000	-48.49	<=-41.20	PASS
				Peak	2310.000	-40.31	<=-21.20	PASS
				Peak	2390.000	-41.29	<=-21.20	PASS
		High	2480	AV	2483.500	-46.66	<=-41.20	PASS
				AV	2500.000	-47.73	<=-41.20	PASS
				Peak	2483.500	-40.39	<=-21.20	PASS
				Peak	2500.000	-39.43	<=-21.20	PASS

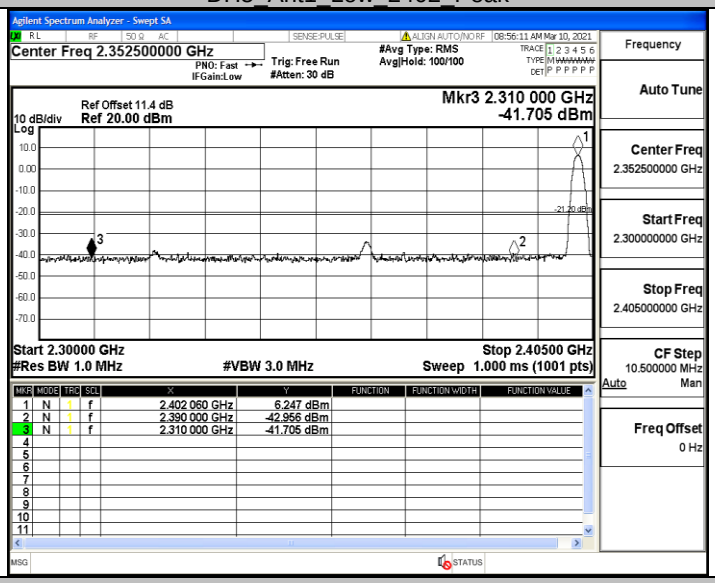
1. The Antenna Gain is compensated in the graph with 2dBi and Antenna Gain which is Higher.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

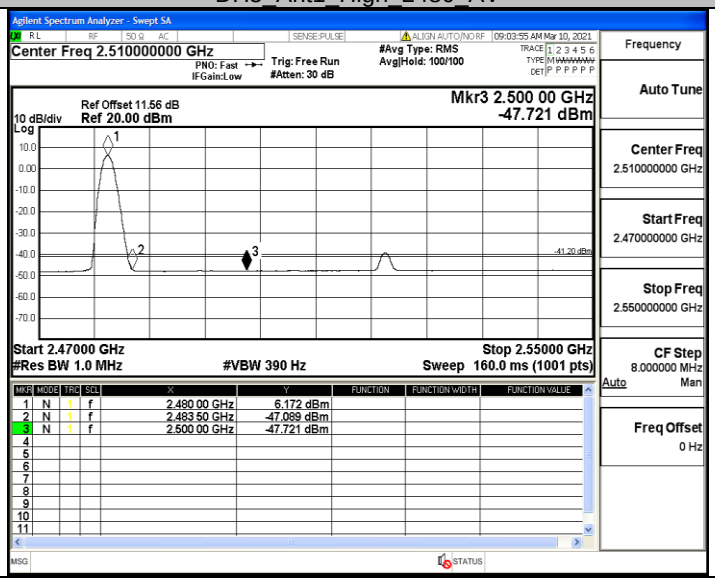
DH5_Ant1_Low_2402_AV



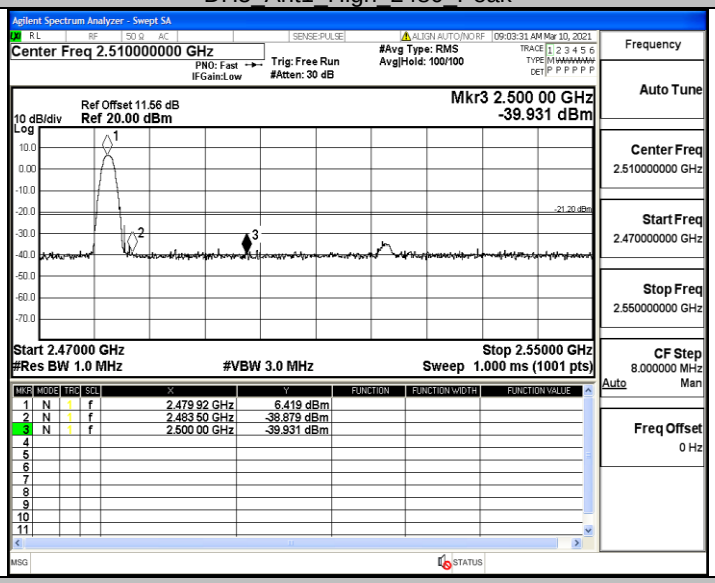
DH5_Ant1_Low_2402_Peak



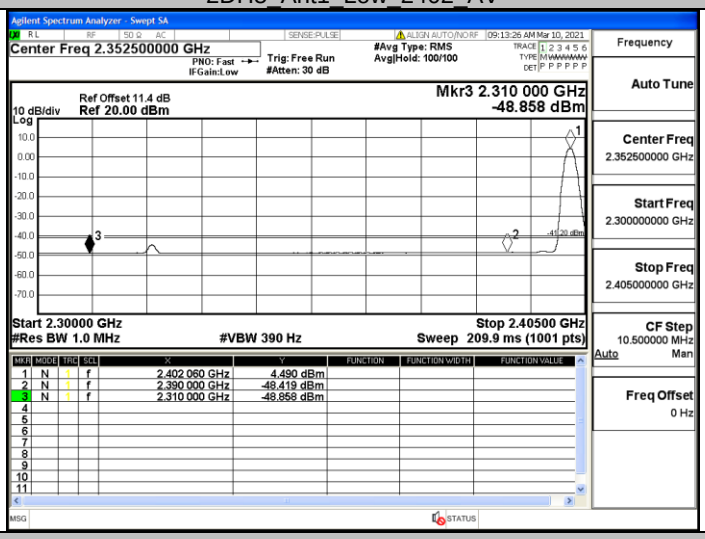
DH5_Ant1_High_2480_AV



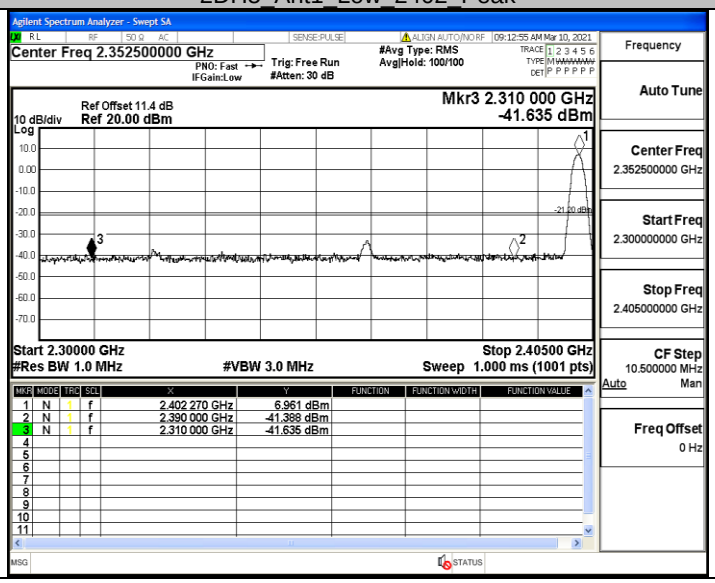
DH5_Ant1_High_2480_Peak



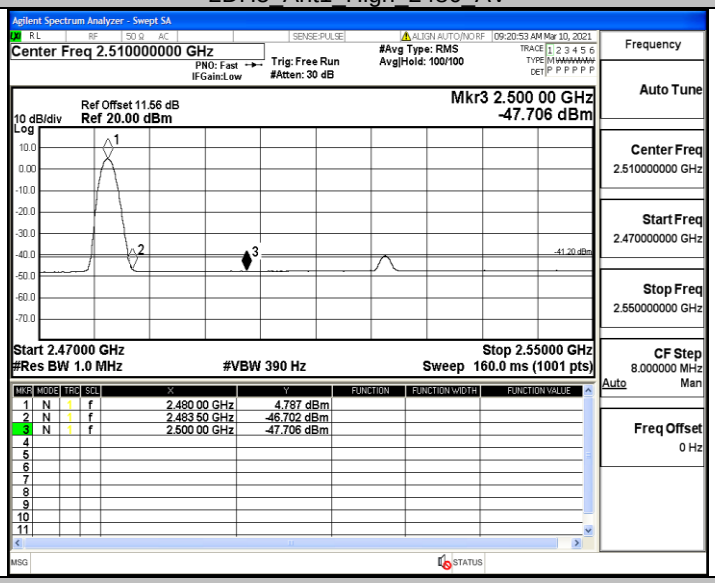
2DH5_Ant1_Low_2402_AV



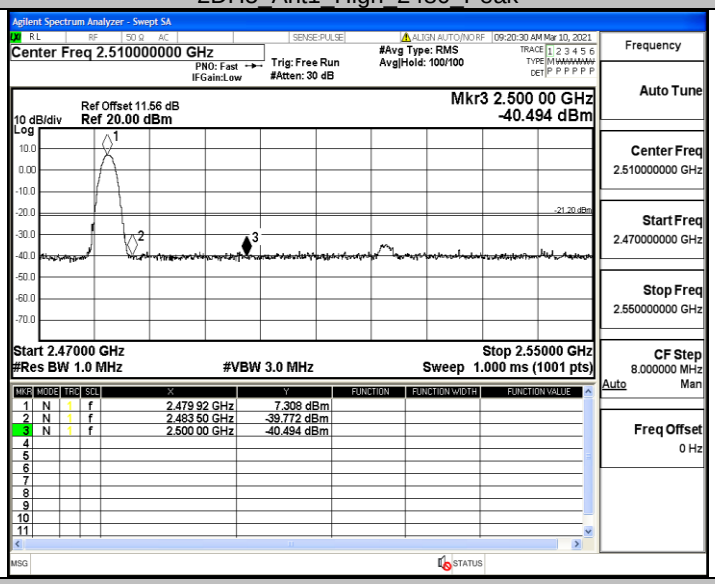
2DH5_Ant1_Low_2402_Peak



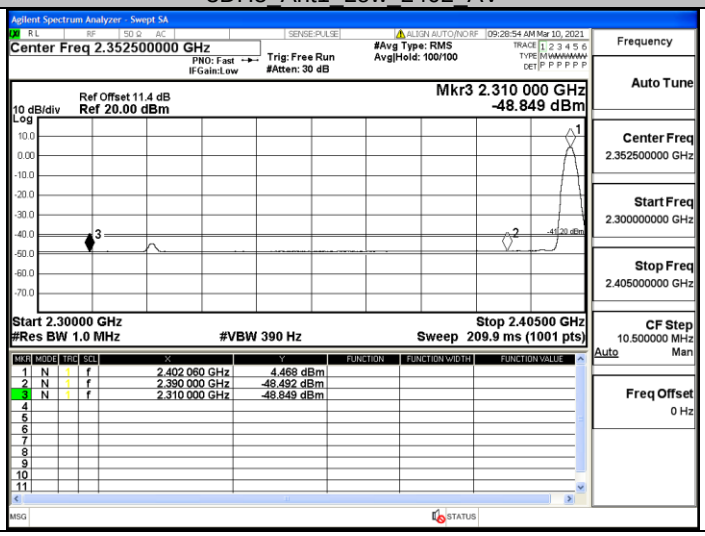
2DH5_Ant1_High_2480_AV



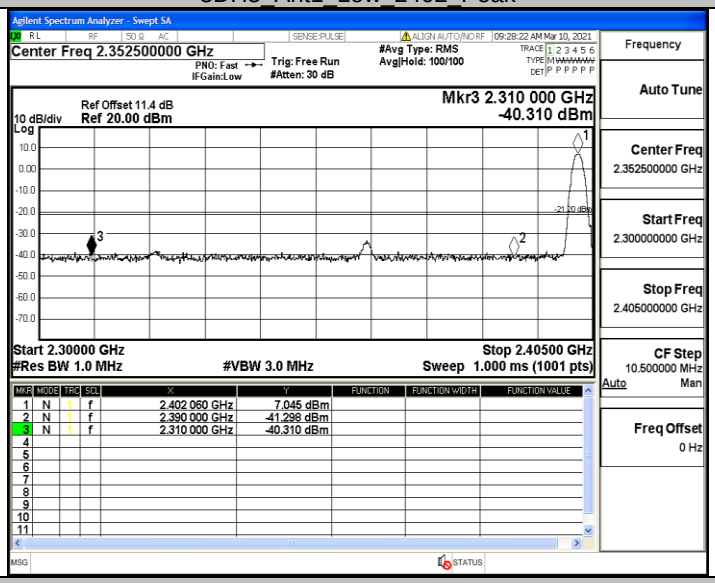
2DH5_Ant1_High_2480_Peak



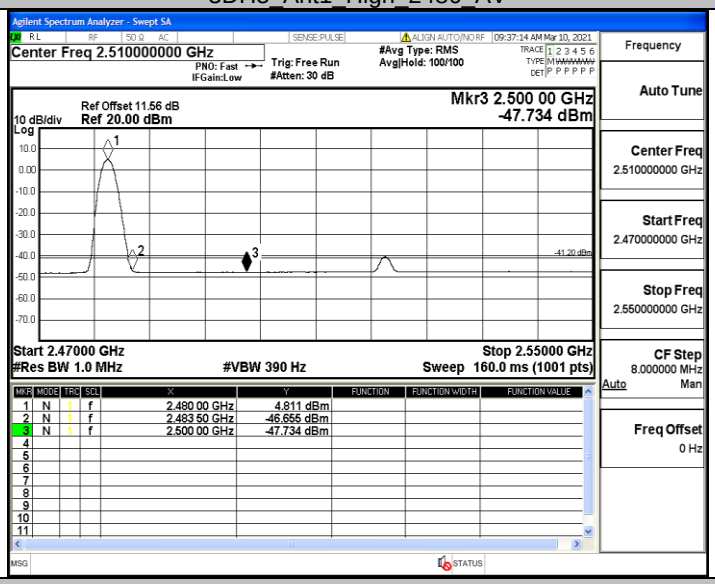
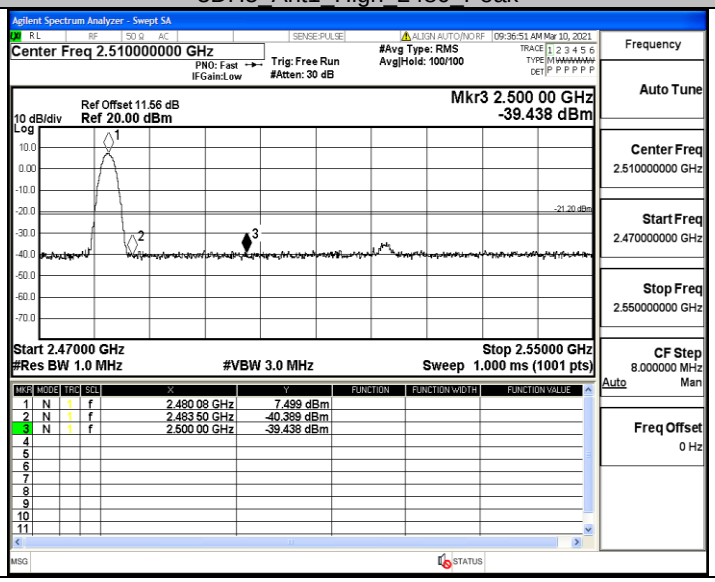
3DH5_Ant1_Low_2402_AV



3DH5_Ant1_Low_2402_Peak



3DH5_Ant1_High_2480_AV



3DH5_Ant1_High_2480_Peak