Appendix A
RF Test Data for BT(BDR/EDR) (Conducted Measurement)
Product Name: Bone conduction headphone
Trade Mark: MoreinTech
Test Model: ES-868 Plus
FCC ID: 2AP5RES-868

Environmental Conditions

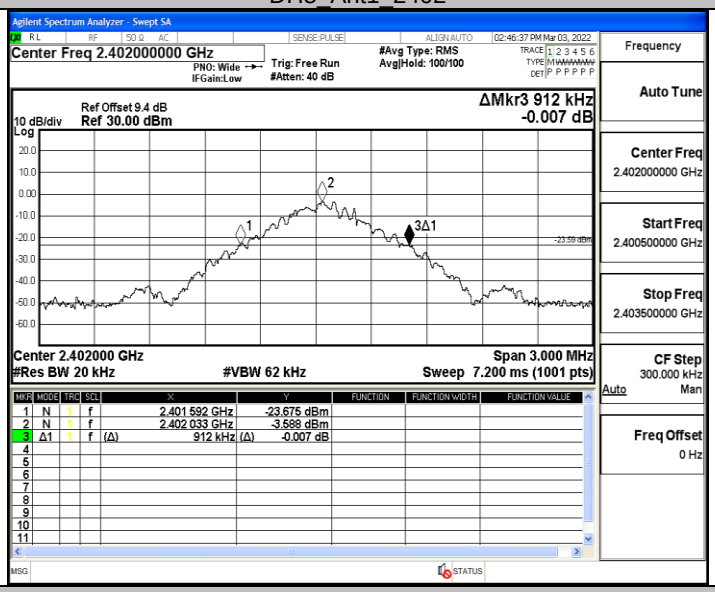
Temperature:	22.8° C
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen

A.1 20 dB Bandwidth

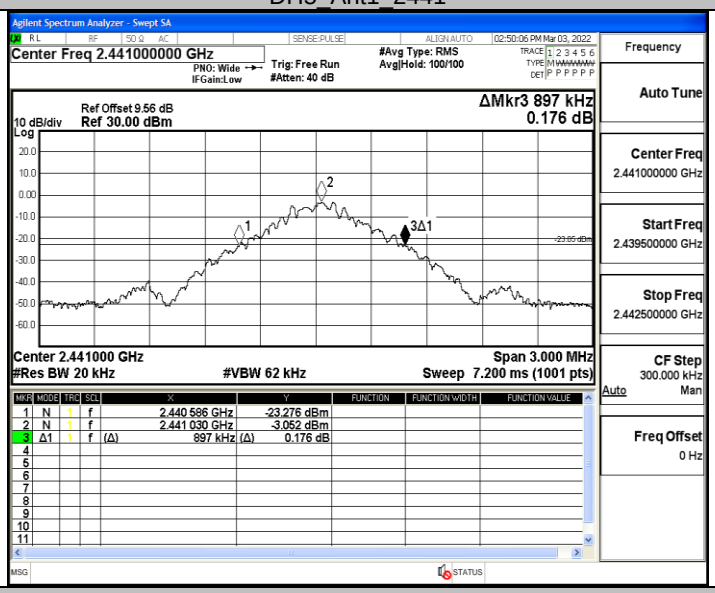
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.912	2401.592	2402.504	---	---
		2441	0.897	2440.586	2441.483	---	---
		2480	0.936	2479.577	2480.513	---	---
2DH5	Ant1	2402	1.263	2401.409	2402.672	---	---
		2441	1.254	2440.403	2441.657	---	---
		2480	1.257	2479.406	2480.663	---	---

Test Graph

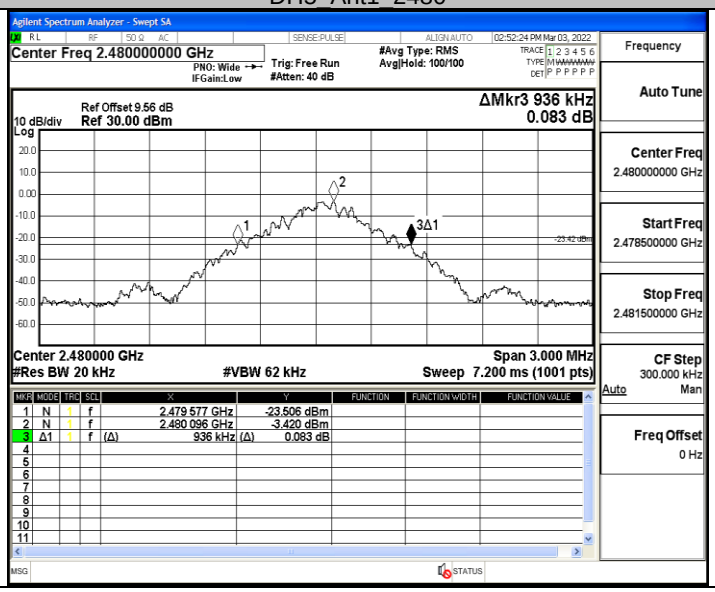
DH5_Ant1_2402



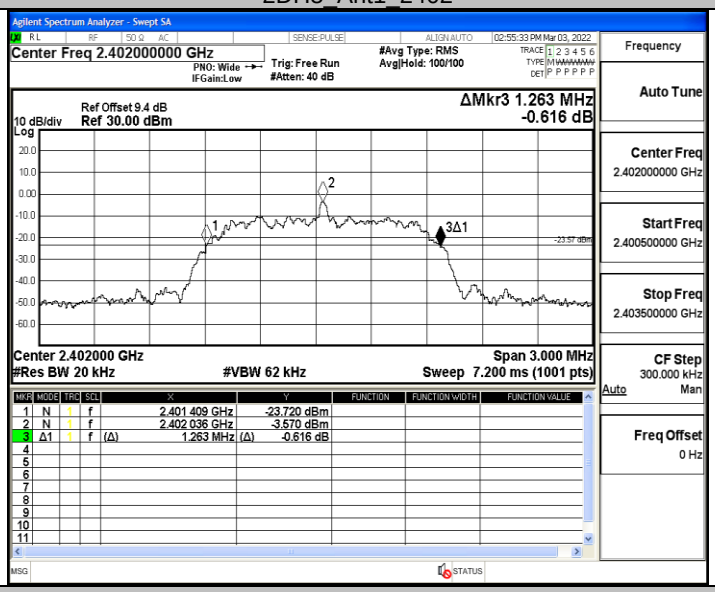
DH5_Ant1_2441



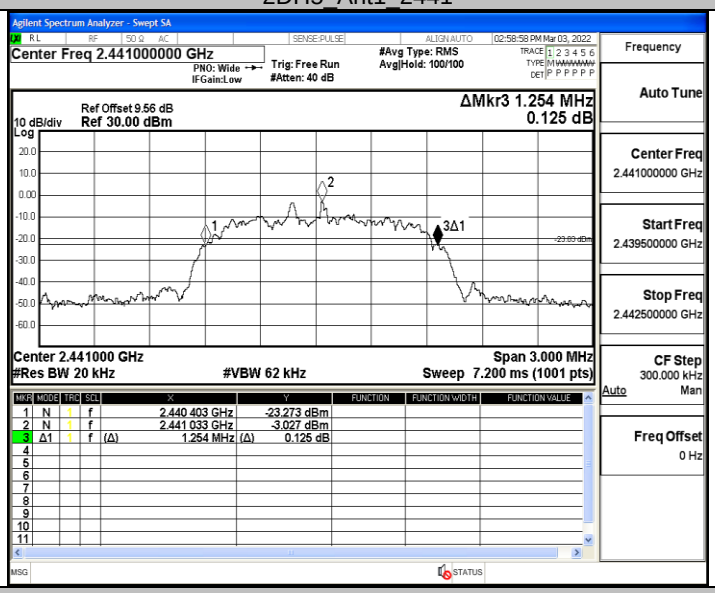
DH5_Ant1_2480



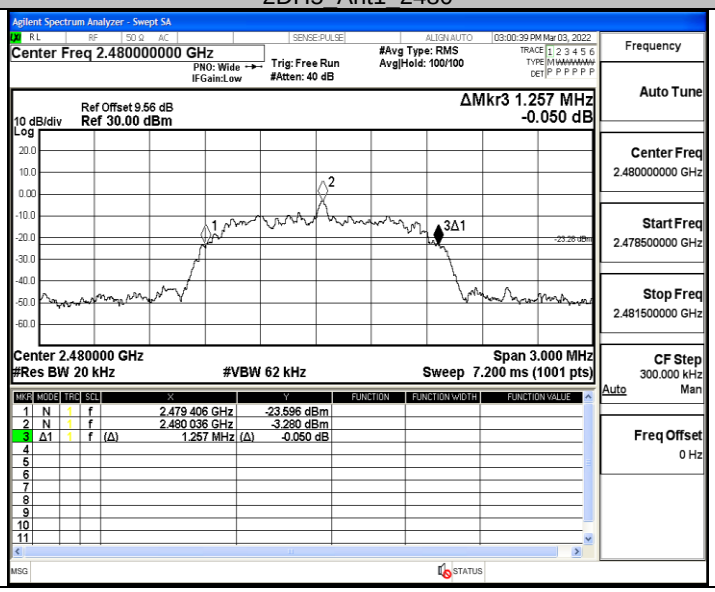
2DH5_Ant1_2402



2DH5_Ant1_2441



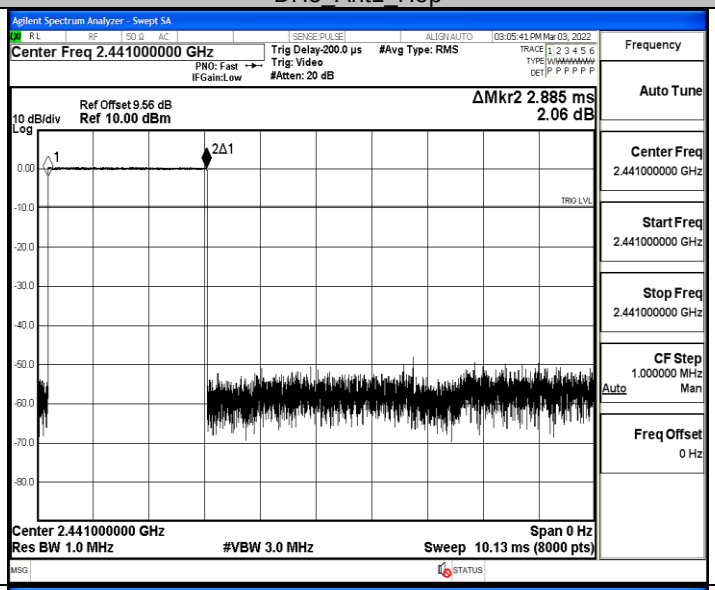
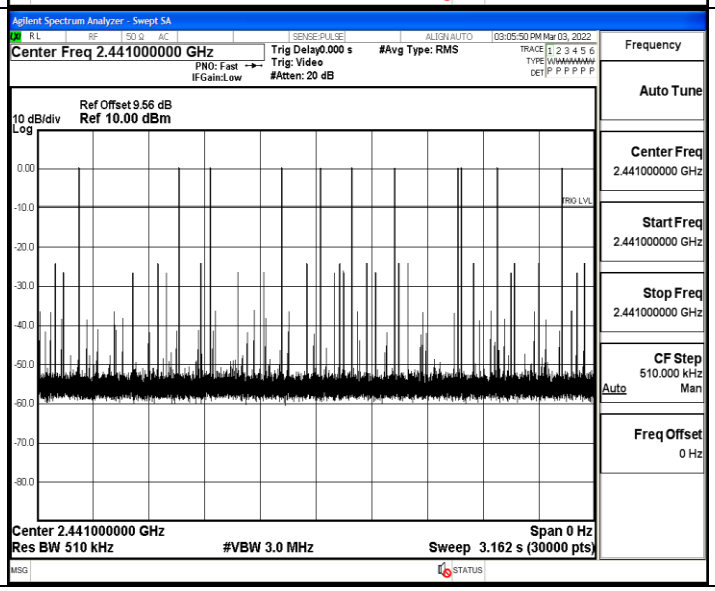
2DH5_Ant1_2480

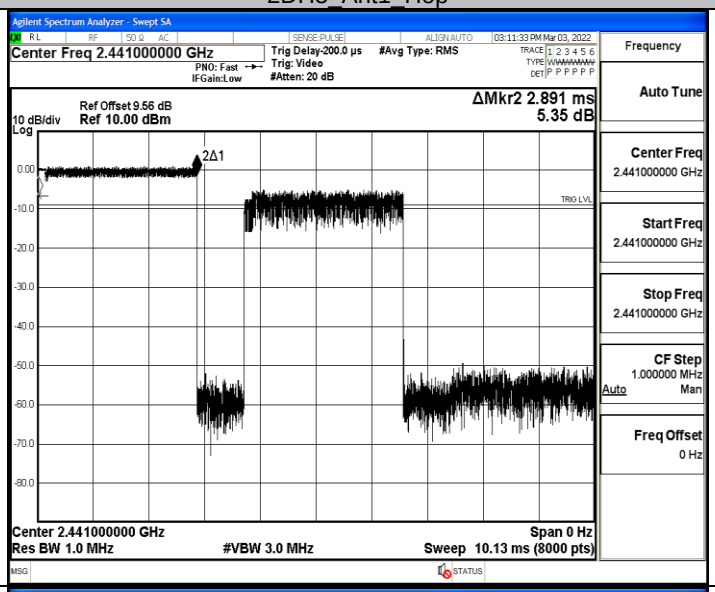
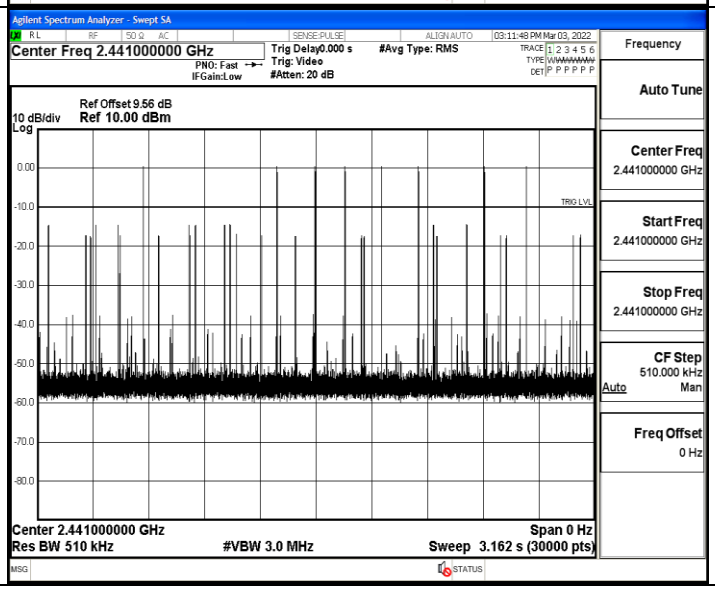


A.2 Dwell Time

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.89	120	0.346	≤0.4	PASS
2DH5	Ant1	Hop	2.89	90	0.26	≤0.4	PASS

Test Graph

DH5_Ant1_Hop



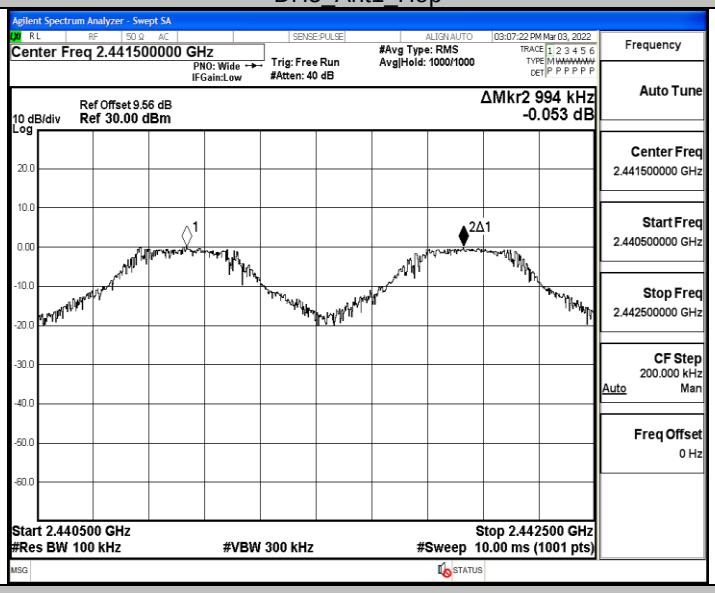
2DH5_Ant1_Hop



A.3 Carrier Frequency Separation

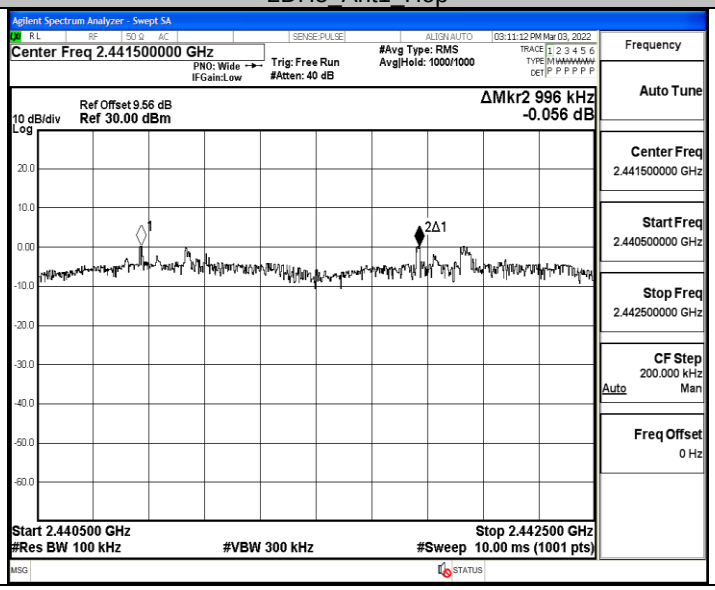
TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.994	≥0.936	PASS
2DH5	Ant1	Hop	0.996	≥0.842	PASS

Test Graph

DH5_Ant1_Hop



2DH5_Ant1_Hop

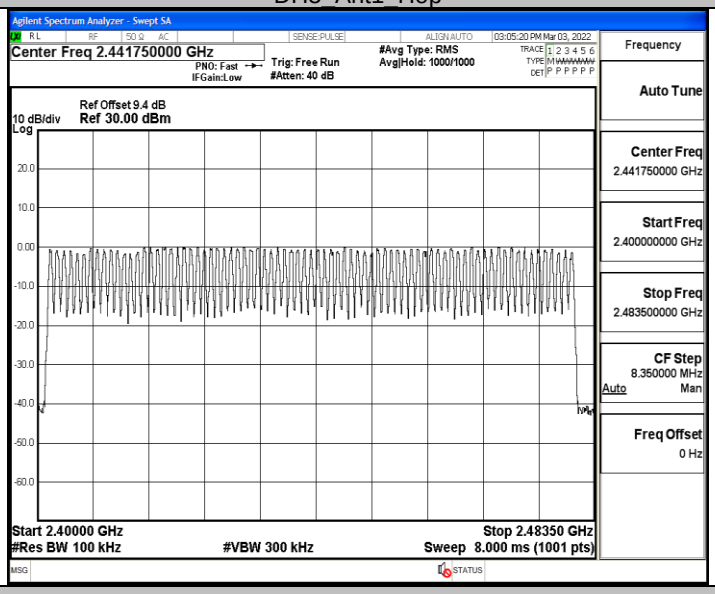


A.4 Hopping Channel Number

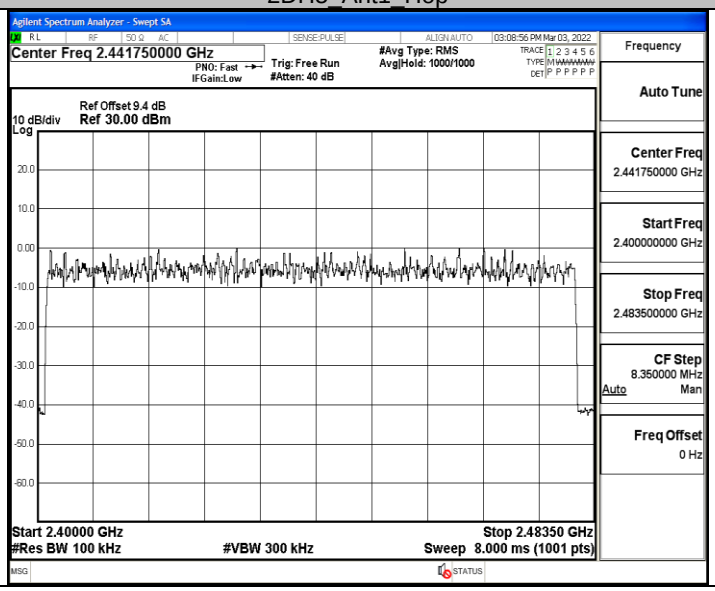
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	>=15	PASS
2DH5	Ant1	Hop	79	>=15	PASS

Test Graph

DH5_Ant1_Hop



2DH5_Ant1_Hop

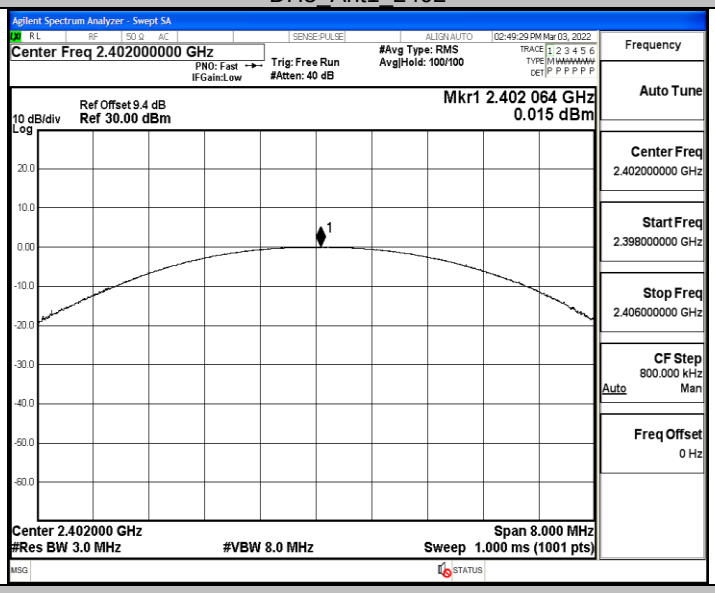


A.5 Conducted Peak Output Power

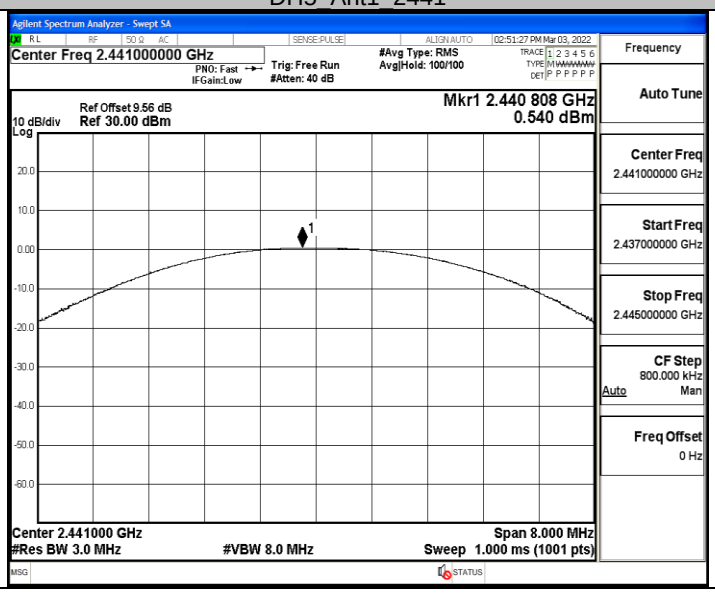
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	0.02	≤30	PASS
		2441	0.54	≤30	PASS
		2480	0.19	≤30	PASS
2DH5	Ant1	2402	0.8	≤20.97	PASS
		2441	1.34	≤20.97	PASS
		2480	0.9	≤20.97	PASS

Test Graph

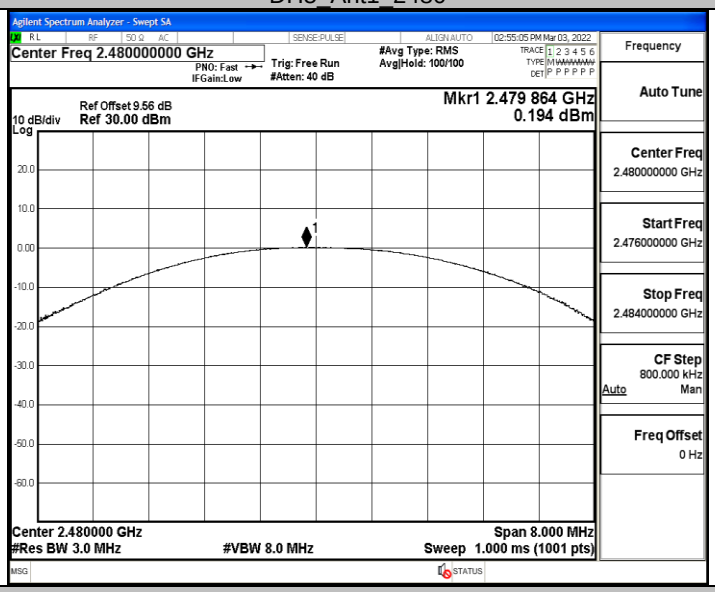
DH5_Ant1_2402



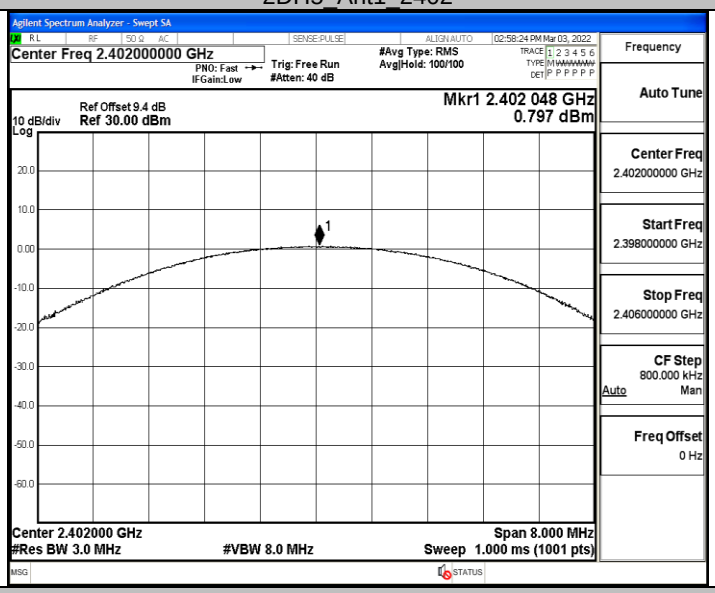
DH5_Ant1_2441



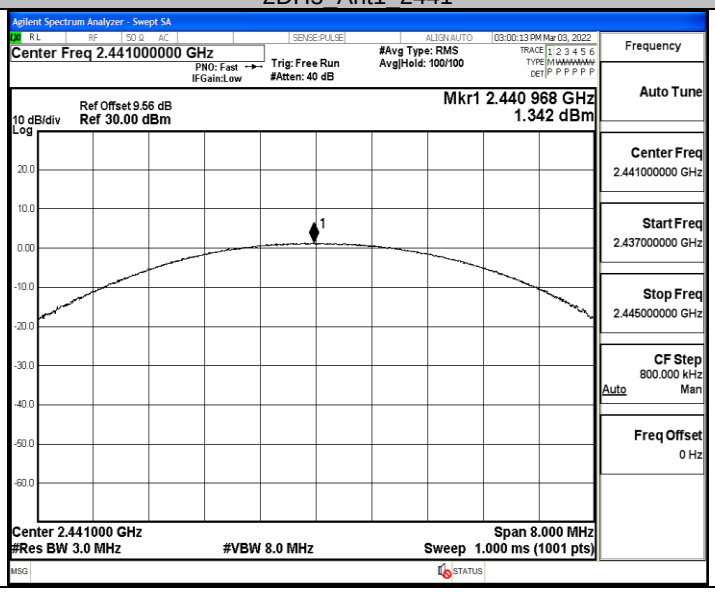
DH5_Ant1_2480



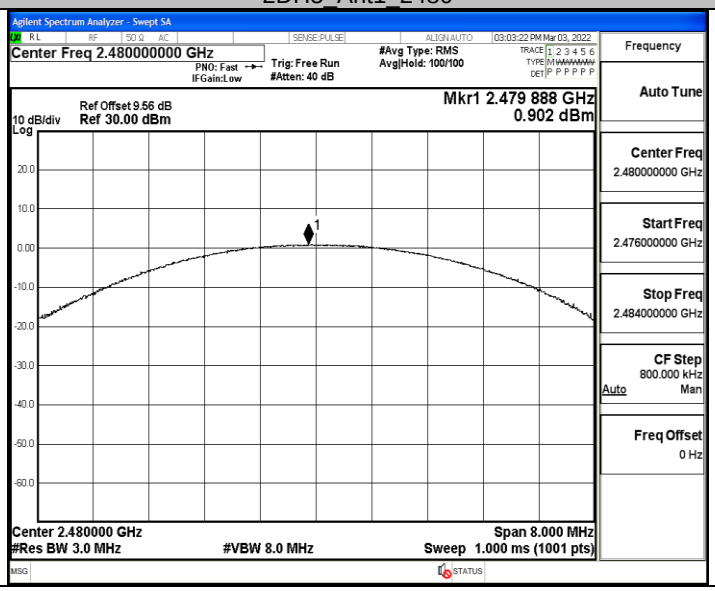
2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480

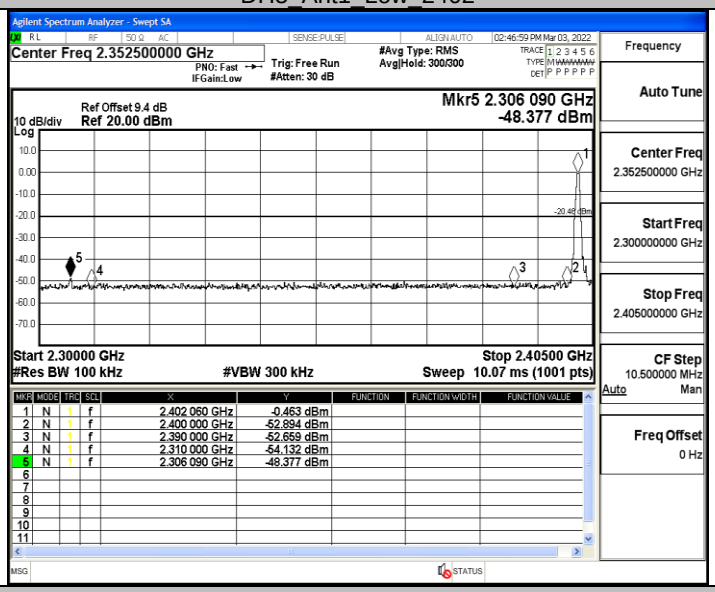


A.6 Band-edge for RF Conducted Emissions

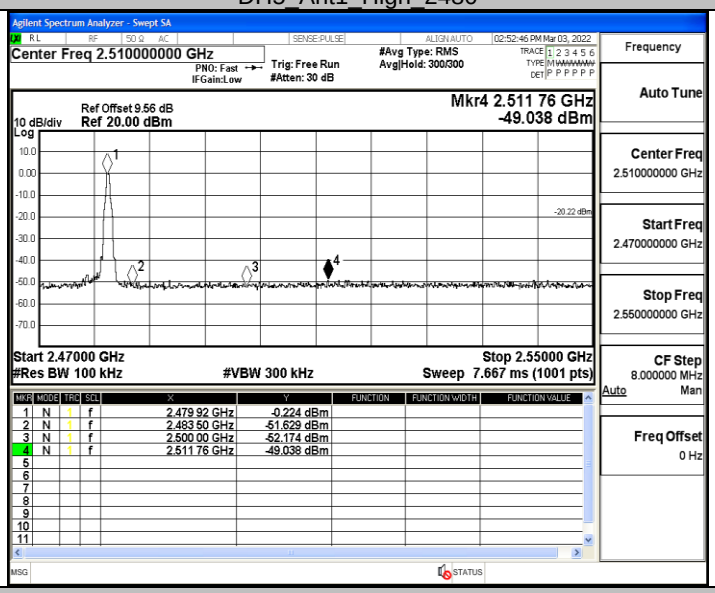
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.46	-48.38	≤-20.46	PASS
		High	2480	-0.22	-49.04	≤-20.22	PASS
		Low	Hop_2402	-1.51	-47.69	≤-21.51	PASS
		High	Hop_2480	0.01	-46.56	≤-19.99	PASS
2DH5	Ant1	Low	2402	-0.36	-49.56	≤-20.36	PASS
		High	2480	-0.04	-48.98	≤-20.04	PASS
		Low	Hop_2402	-4.63	-49.22	≤-24.63	PASS
		High	Hop_2480	-2.03	-47.36	≤-22.03	PASS

Test Graph

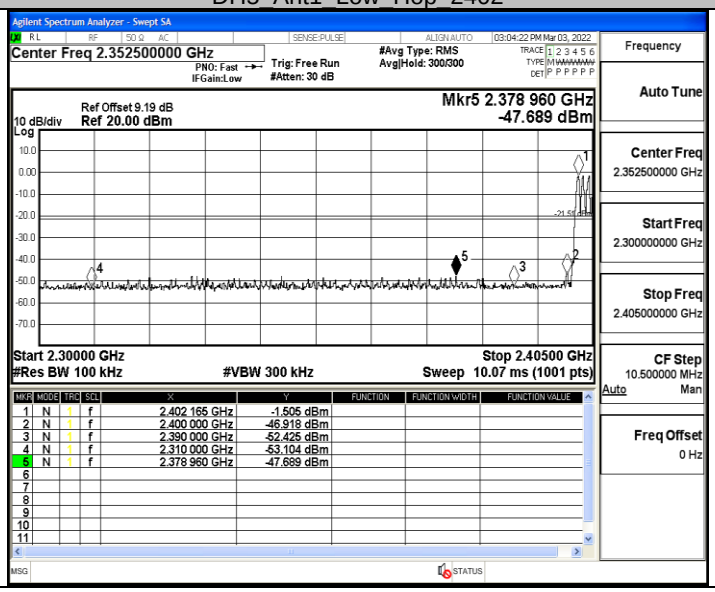
DH5_Ant1_Low_2402



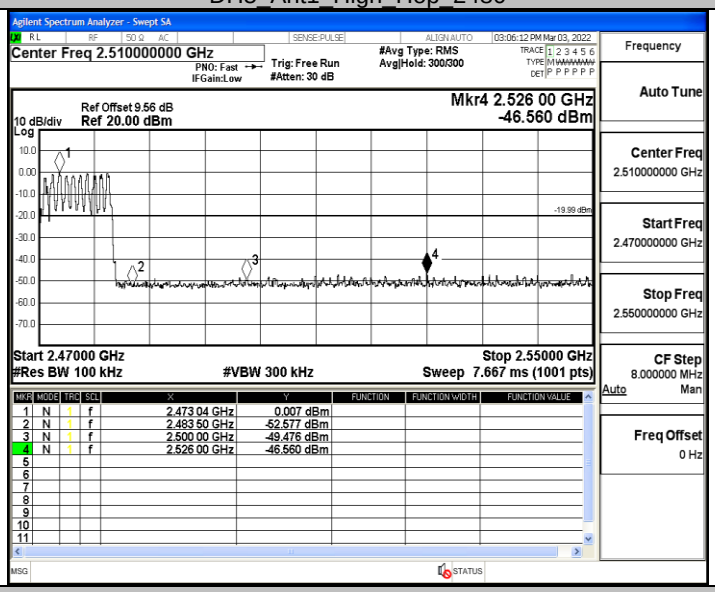
DH5_Ant1_High_2480



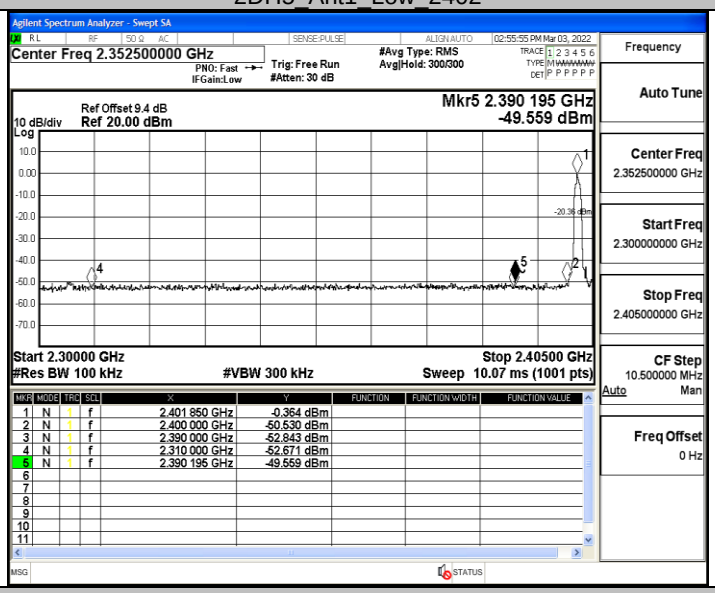
DH5_Ant1_Low_Hop_2402



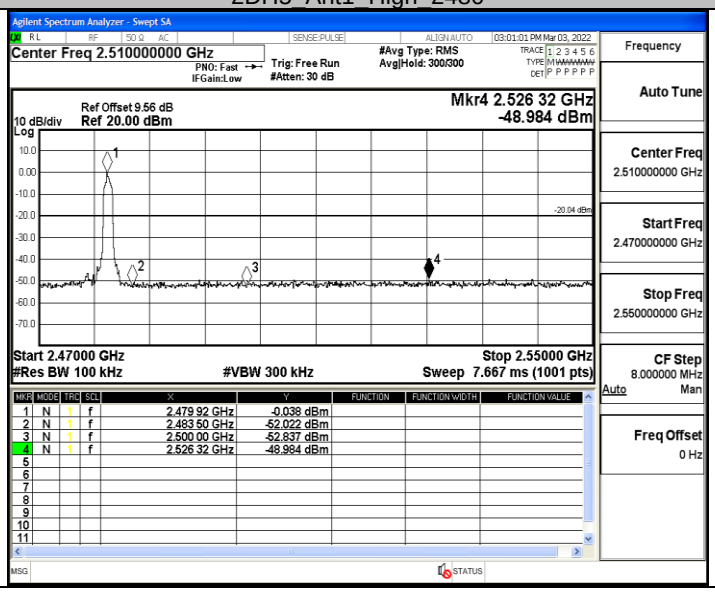
DH5_Ant1_High_Hop_2480



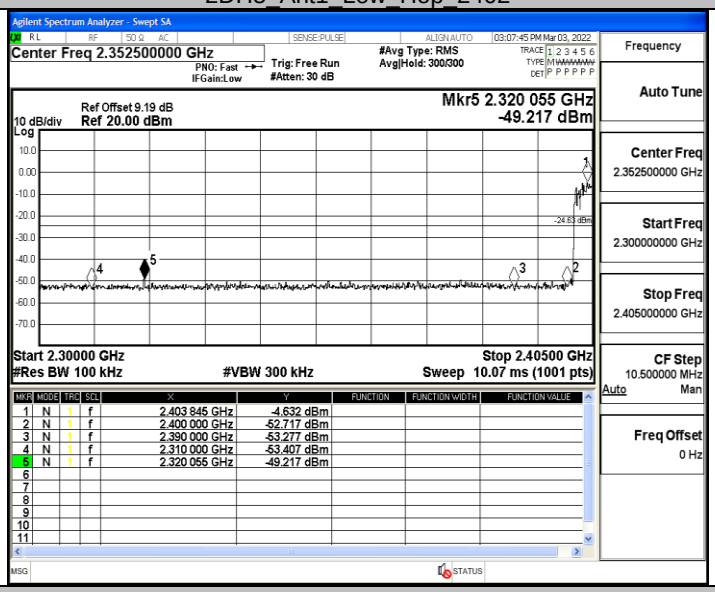
2DH5_Ant1_Low_2402



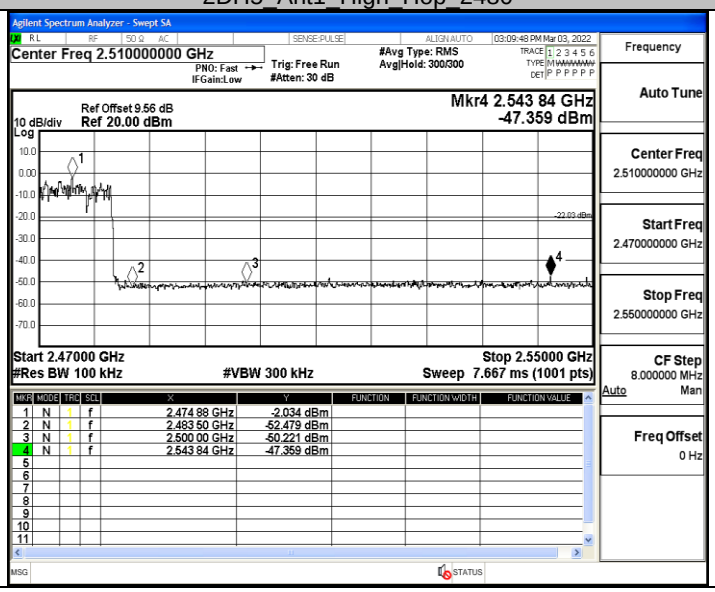
2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402



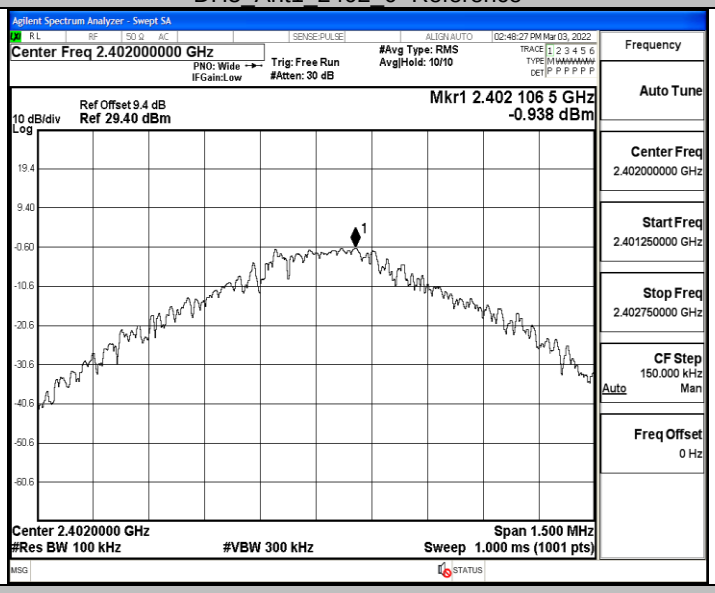
2DH5_Ant1_High_Hop_2480



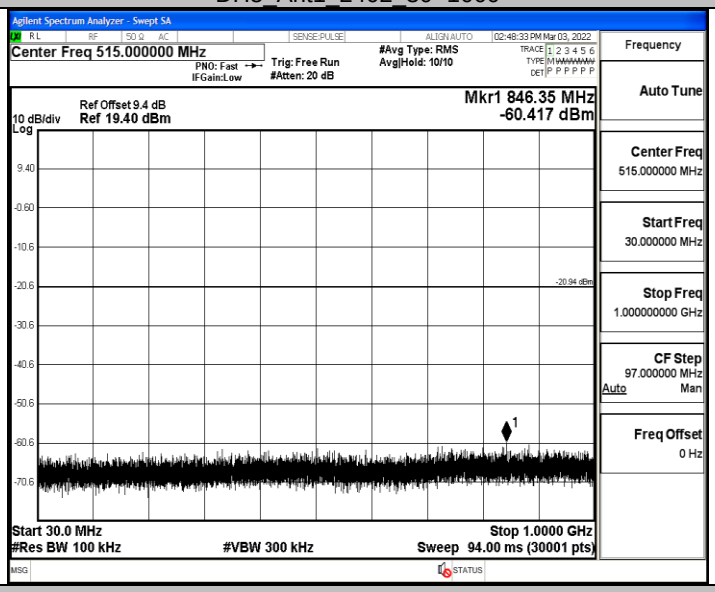
A.7 RF Conducted Spurious Emissions

Test Graph

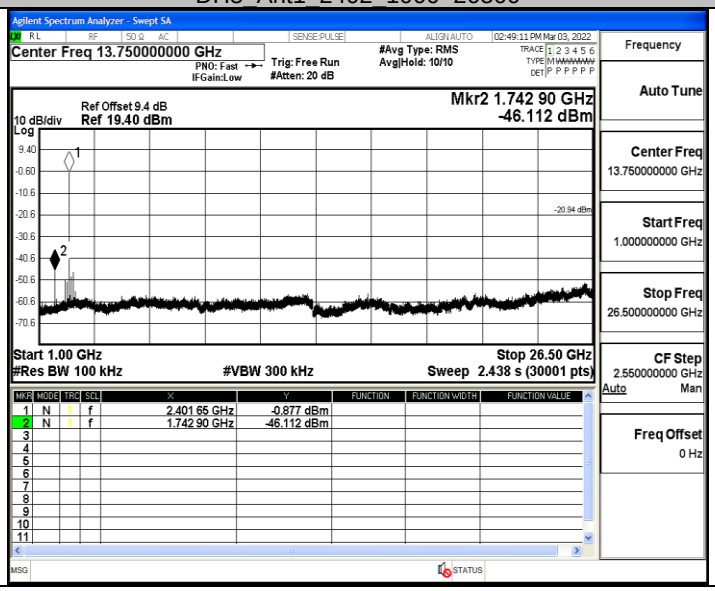
DH5_Ant1_2402_0~Reference



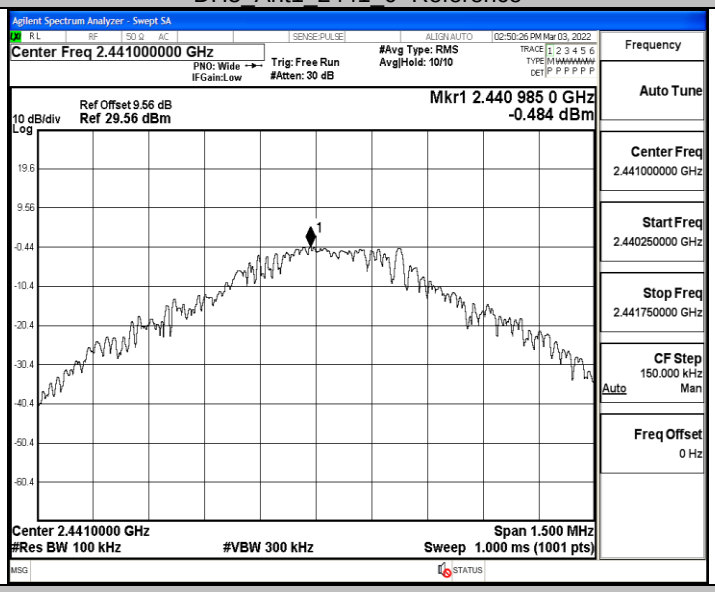
DH5_Ant1_2402_30~1000



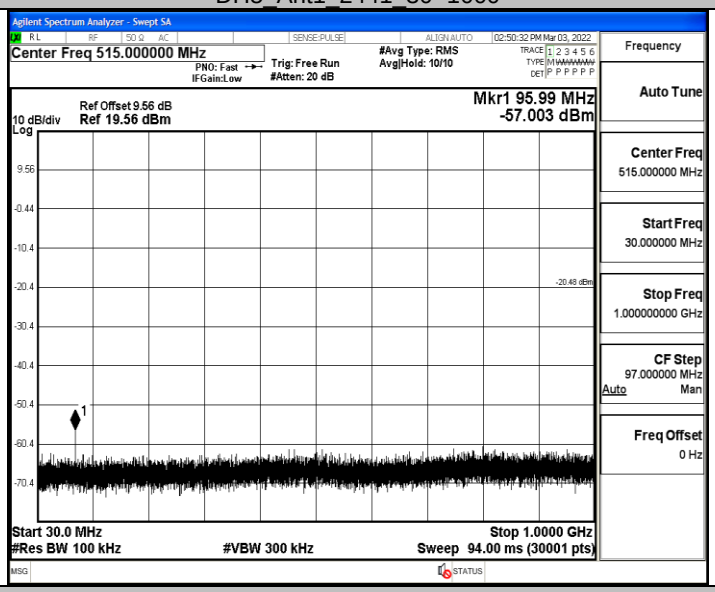
DH5_Ant1_2402_1000~26500



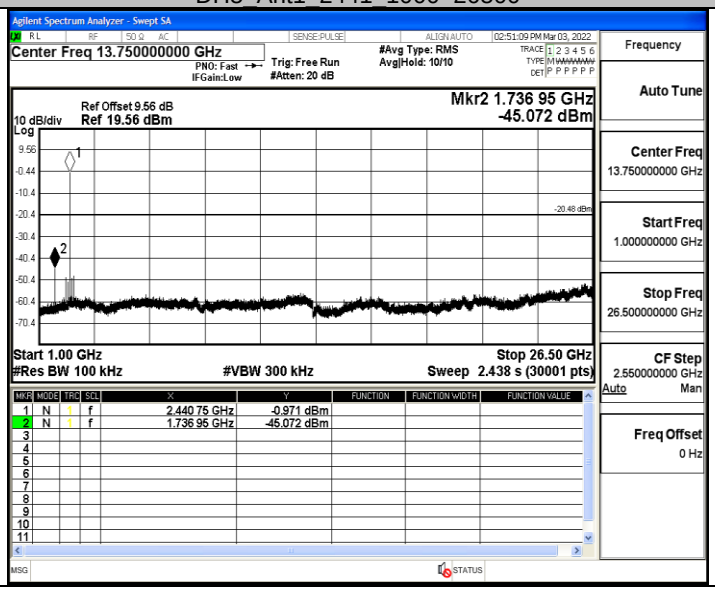
DH5_Ant1_2441_0~Reference



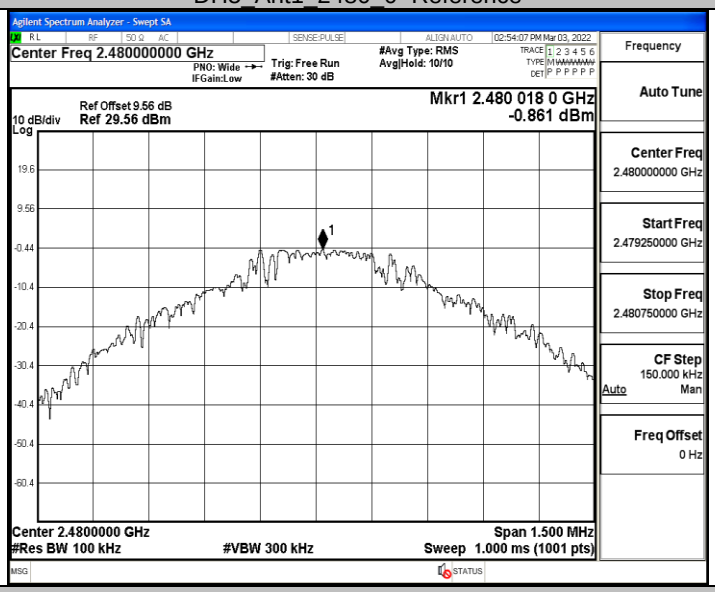
DH5_Ant1_2441_30~1000



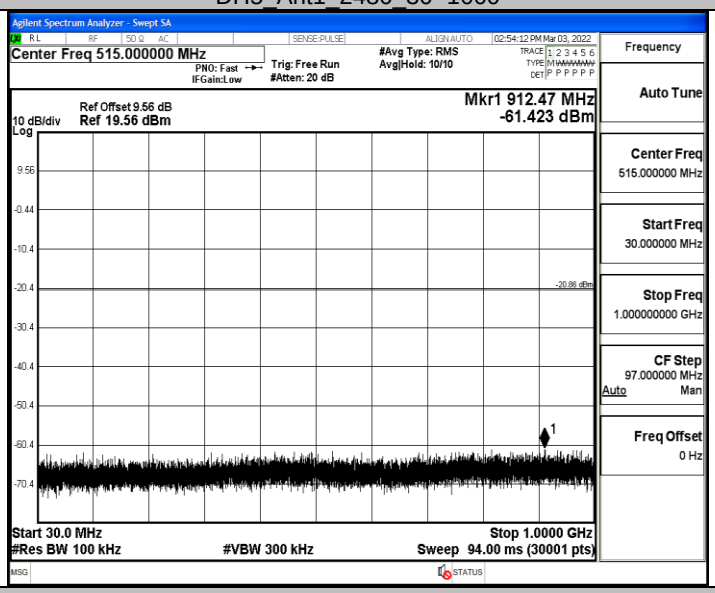
DH5_Ant1_2441_1000~26500



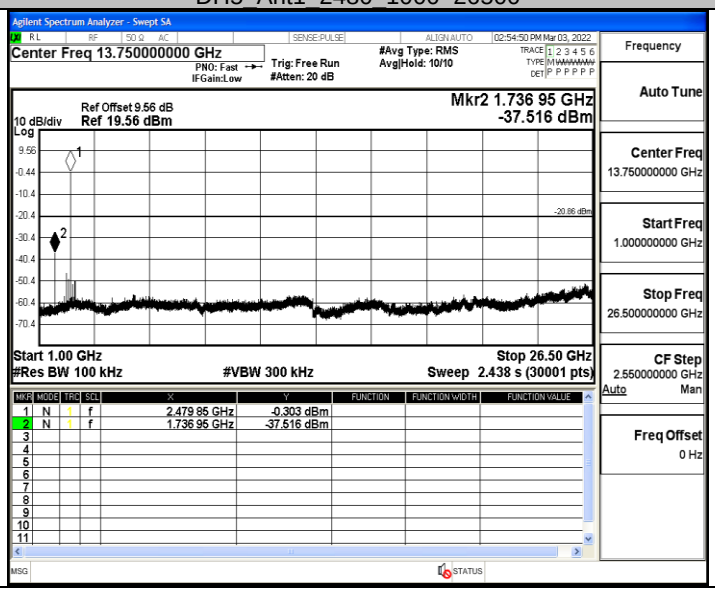
DH5_Ant1_2480_0~Reference



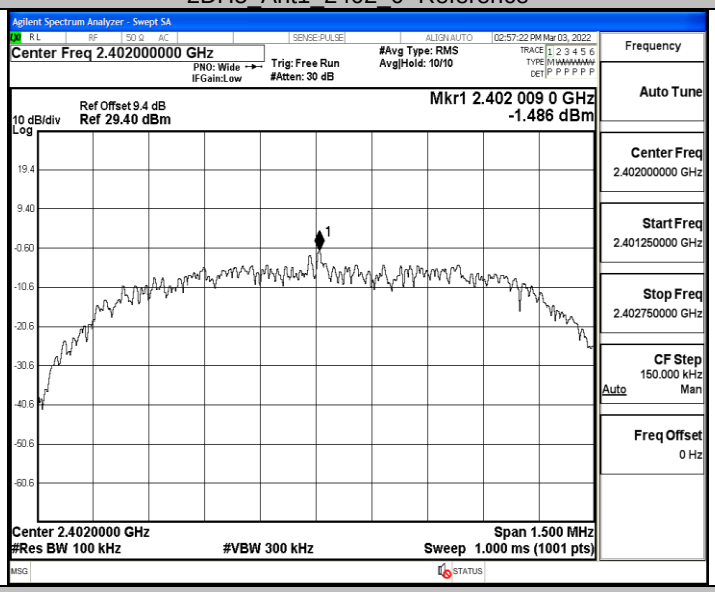
DH5_Ant1_2480_30~1000



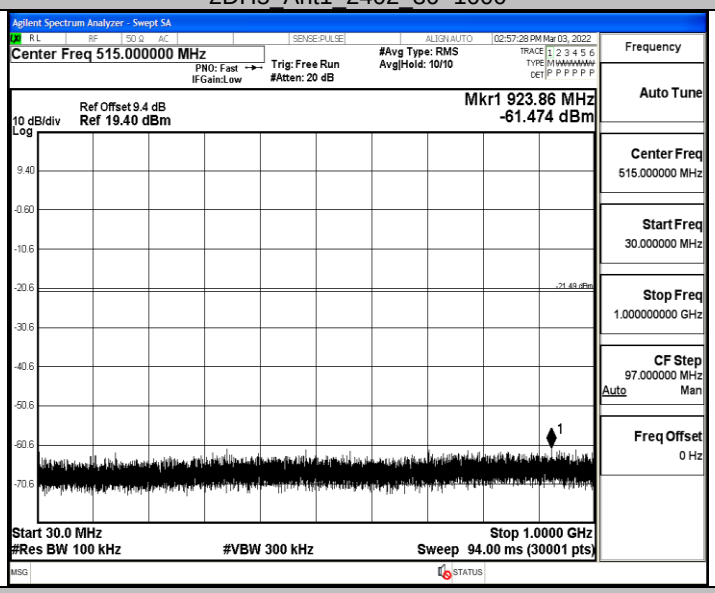
DH5_Ant1_2480_1000~26500



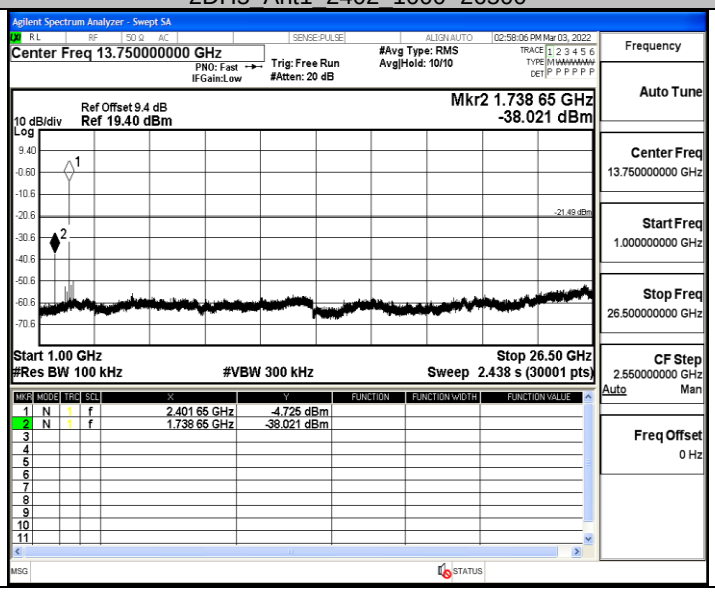
2DH5_Ant1_2402_0~Reference



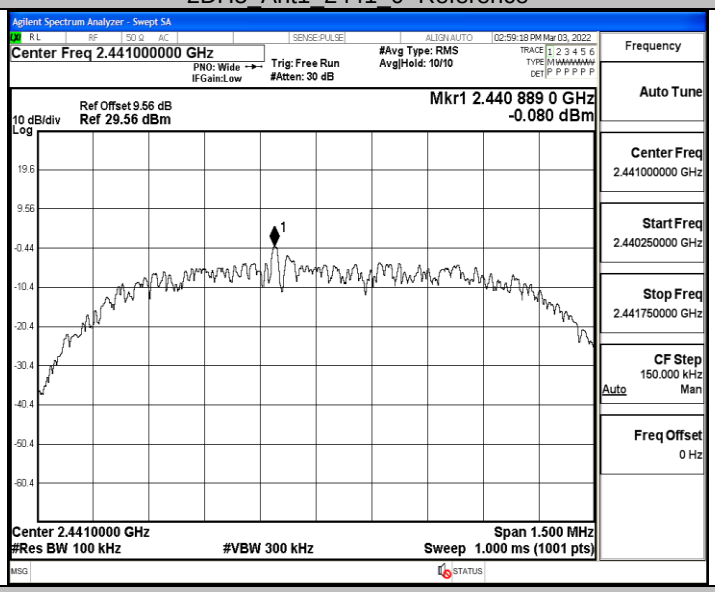
2DH5_Ant1_2402_30~1000



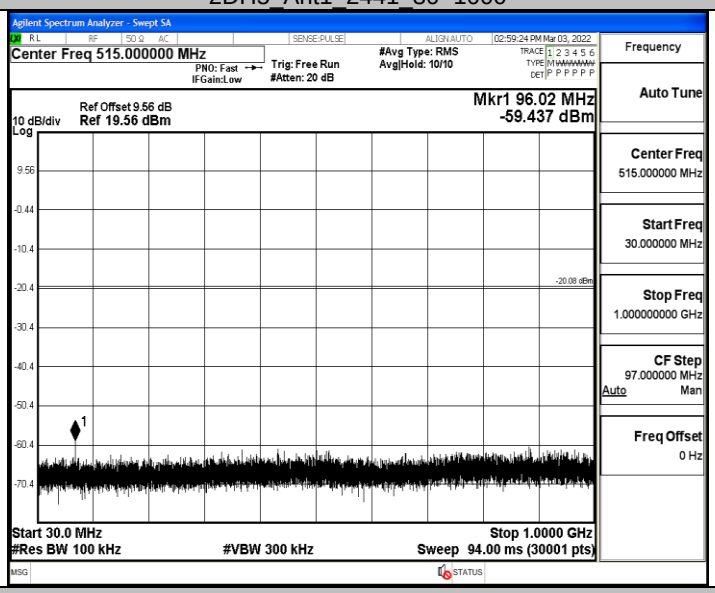
2DH5_Ant1_2402_1000~26500



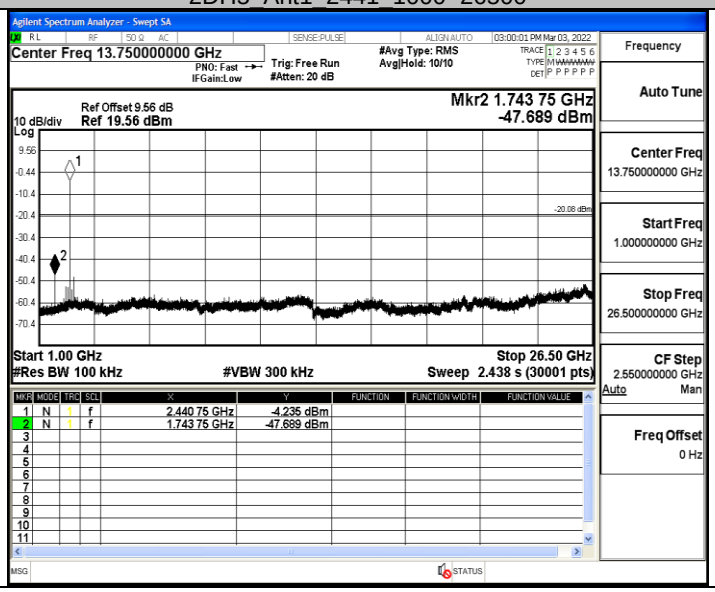
2DH5_Ant1_2441_0~Reference



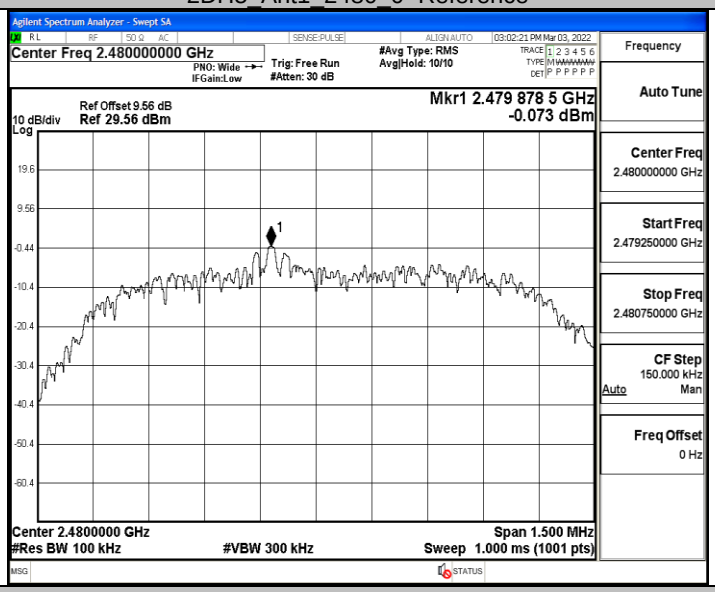
2DH5_Ant1_2441_30~1000



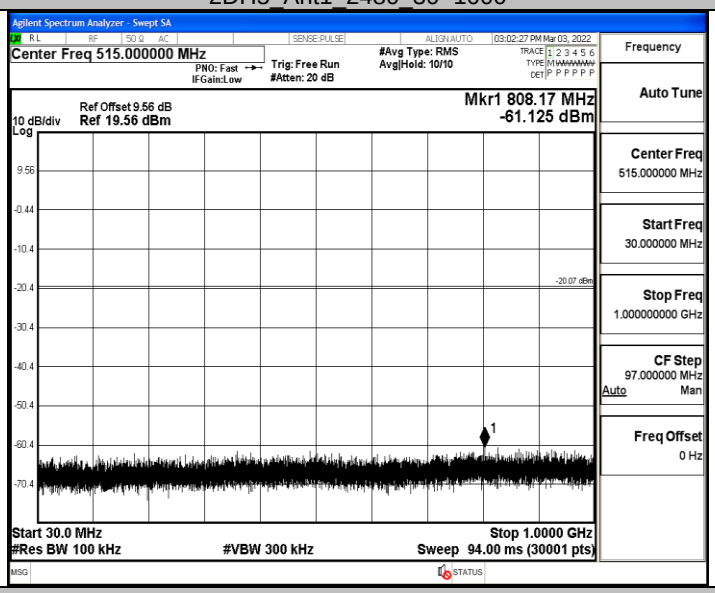
2DH5_Ant1_2441_1000~26500



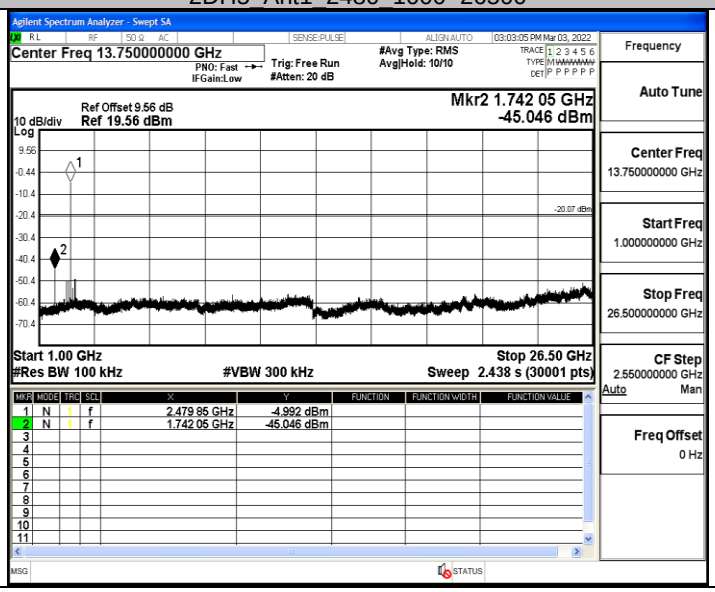
2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



2DH5_Ant1_2480_1000~26500

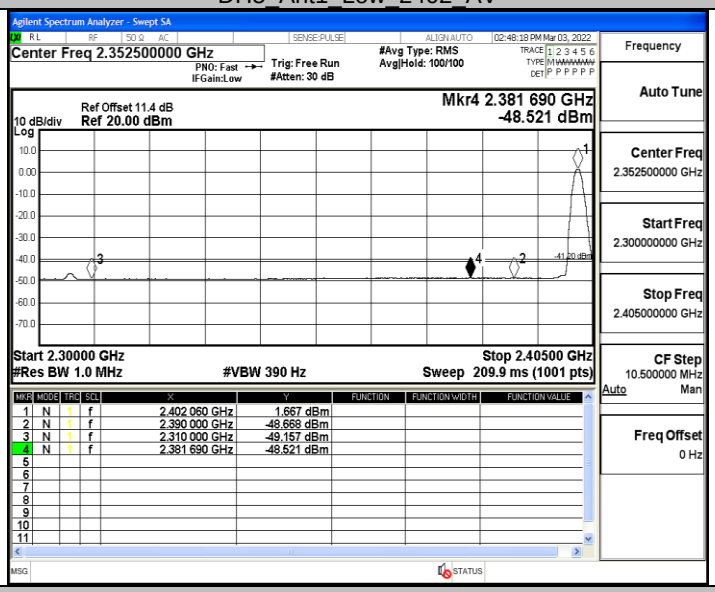


A.8 Restrict-band band-edge measurements

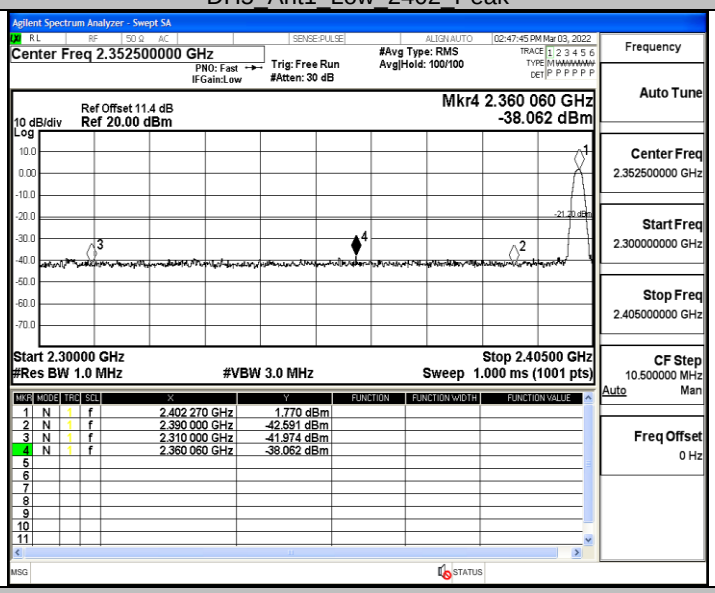
TestMode	Antenna	ChName	Channel	Detector	Freq(MHz)	Result(dBm)	Limit(dBm)	Verdict
DH5	Ant1	Low	2402	AV	2310.000	-49.16	≤-41.20	PASS
				AV	2381.690	-48.52	≤-41.20	PASS
				AV	2390.000	-48.67	≤-41.20	PASS
				Peak	2310.000	-41.97	≤-21.20	PASS
				Peak	2360.060	-38.06	≤-21.20	PASS
				Peak	2390.000	-42.59	≤-21.20	PASS
		High	2480	AV	2483.500	-47.49	≤-41.20	PASS
				AV	2483.520	-47.49	≤-41.20	PASS
				AV	2500.000	-47.94	≤-41.20	PASS
				Peak	2483.500	-40.28	≤-21.20	PASS
				Peak	2492.960	-38.47	≤-21.20	PASS
				Peak	2500.000	-41.59	≤-21.20	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-49.14	≤-41.20	PASS
				AV	2372.135	-48.46	≤-41.20	PASS
				AV	2390.000	-48.68	≤-41.20	PASS
				Peak	2310.000	-43.57	≤-21.20	PASS
				Peak	2380.955	-38.52	≤-21.20	PASS
				Peak	2390.000	-40.61	≤-21.20	PASS
		High	2480	AV	2483.500	-47.42	≤-41.20	PASS
				AV	2483.520	-47.42	≤-41.20	PASS
				AV	2500.000	-47.9	≤-41.20	PASS
				Peak	2483.500	-40.83	≤-21.20	PASS
				Peak	2494.720	-38.43	≤-21.20	PASS
				Peak	2500.000	-40.37	≤-21.20	PASS

Note:
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.

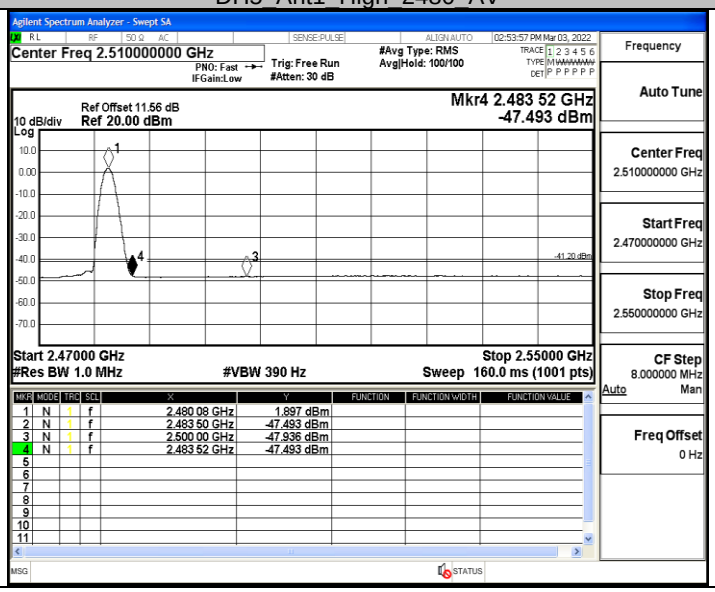
DH5_Ant1_Low_2402_AV



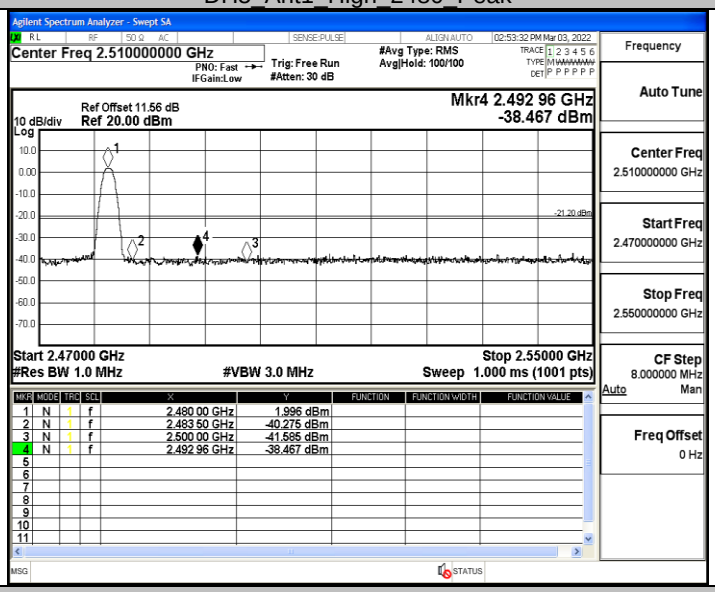
DH5_Ant1_Low_2402_Peak



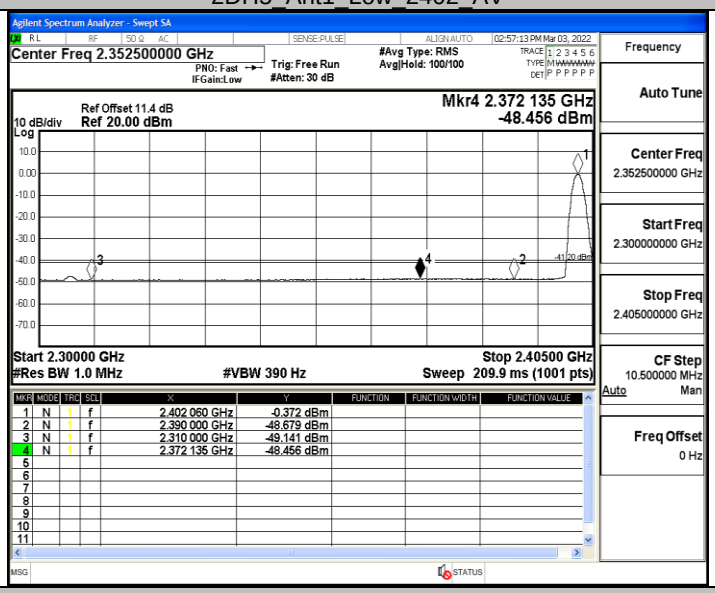
DH5_Ant1_High_2480_AV



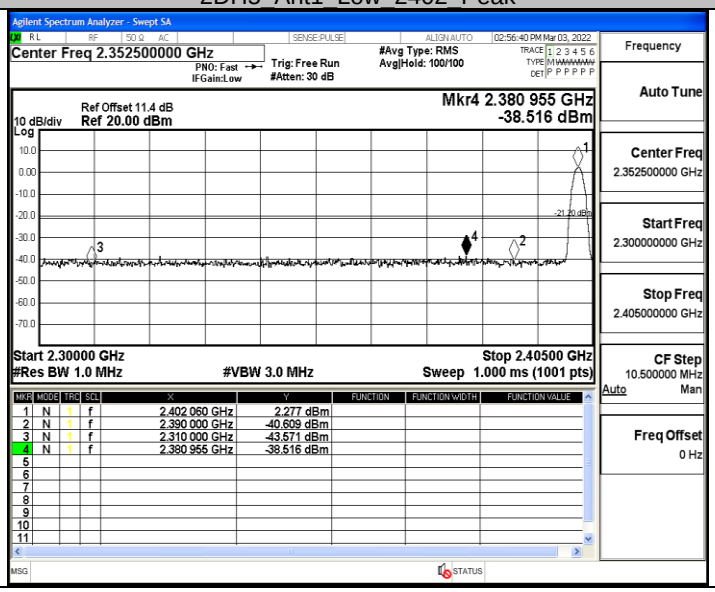
DH5_Ant1_High_2480_Peak



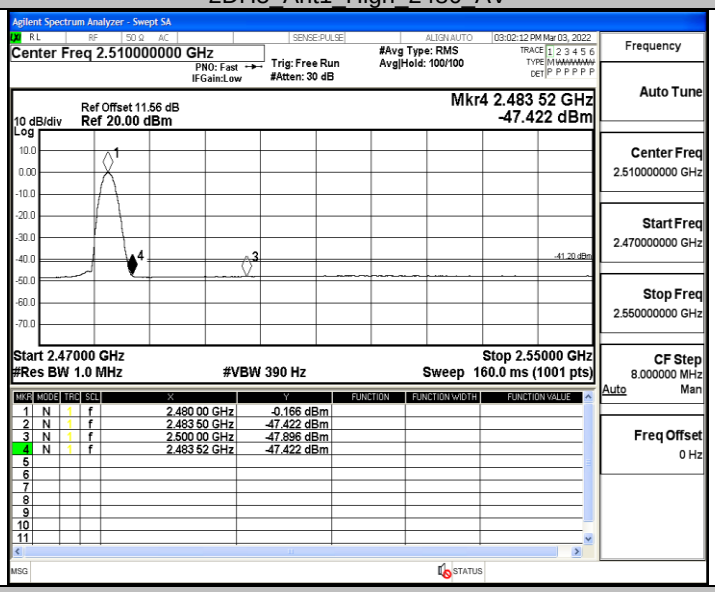
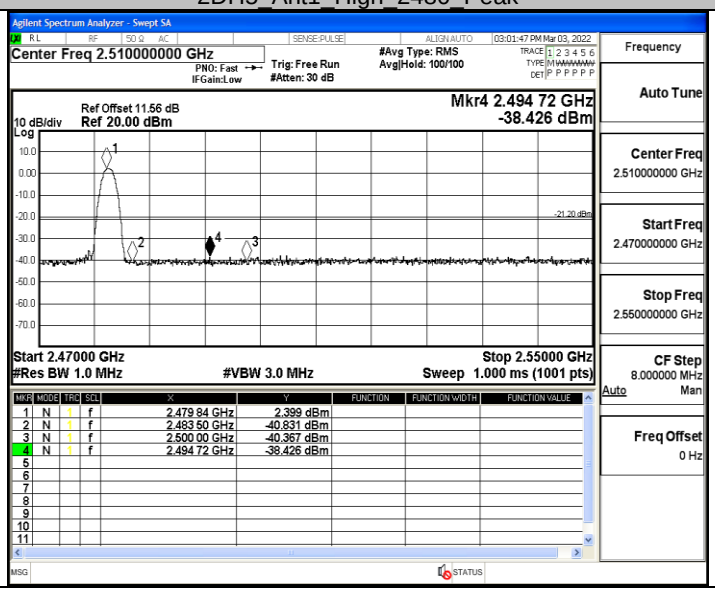
2DH5_Ant1_Low_2402_AV



2DH5_Ant1_Low_2402_Peak



2DH5_Ant1_High_2480_AV



2DH5_Ant1_High_2480_Peak