

**RF Test Data for BT(BDR/EDR) (Conducted Measurement)****Product Name: Smart watches****Trade Mark: W&O****Test Model: X7 PLUS****FCC ID: 2A7G4-X7PLUS****Environmental Conditions**

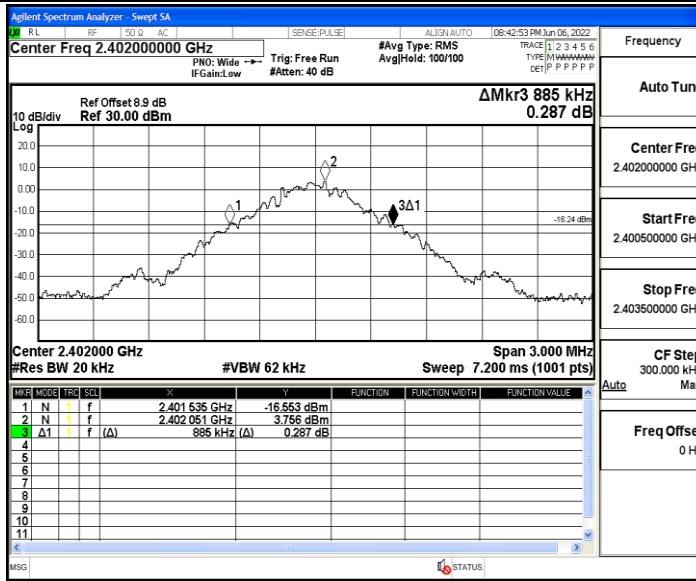
Temperature:	22.8°C
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Nancy Li
Supervised by:	Hugo Chen
NOTE	N/A

**Appendix A: 20dB Emission Bandwidth****Test Result**

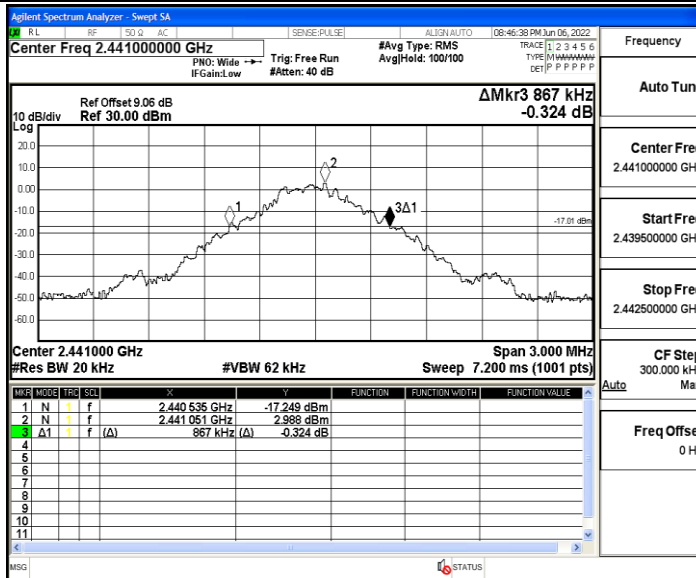
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.885	2401.535	2402.420	---	---
		2441	0.867	2440.535	2441.402	---	---
		2480	0.891	2479.535	2480.426	---	---
2DH5	Ant1	2402	1.317	2401.334	2402.651	---	---
		2441	1.290	2440.361	2441.651	---	---
		2480	1.326	2479.331	2480.657	---	---
3DH5	Ant1	2402	1.275	2401.346	2402.621	---	---
		2441	1.296	2440.349	2441.645	---	---
		2480	1.266	2479.352	2480.618	---	---

### Test Graphs

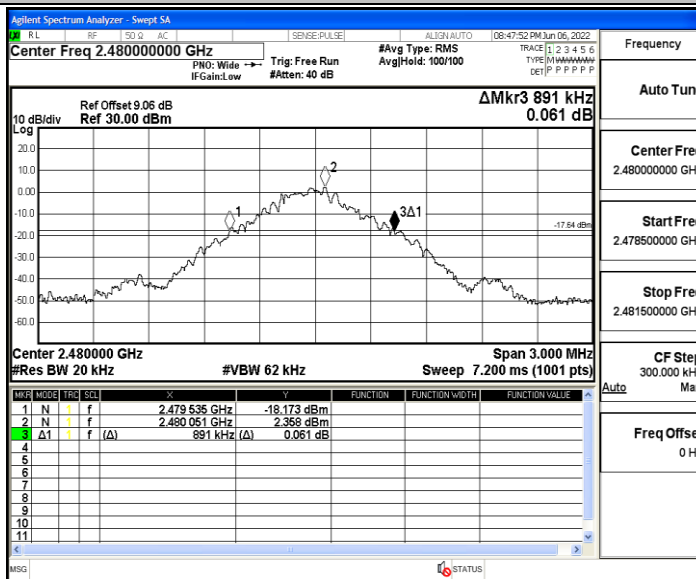
#### DH5\_Ant1\_2402



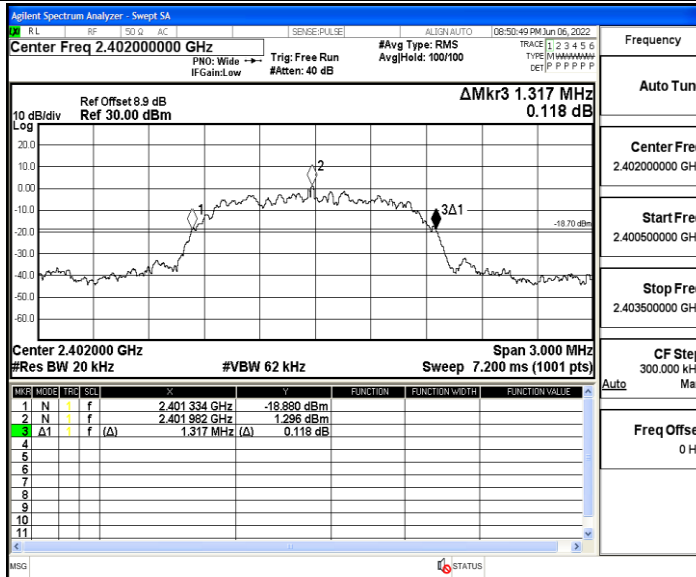
#### DH5\_Ant1\_2441



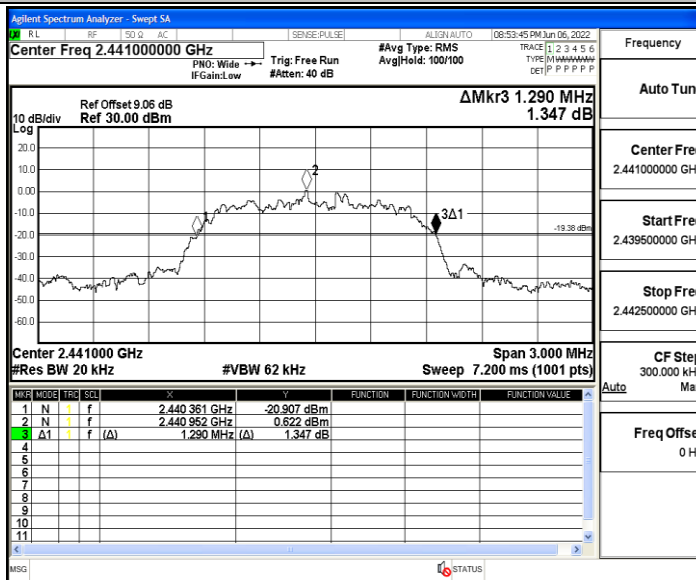
#### DH5\_Ant1\_2480



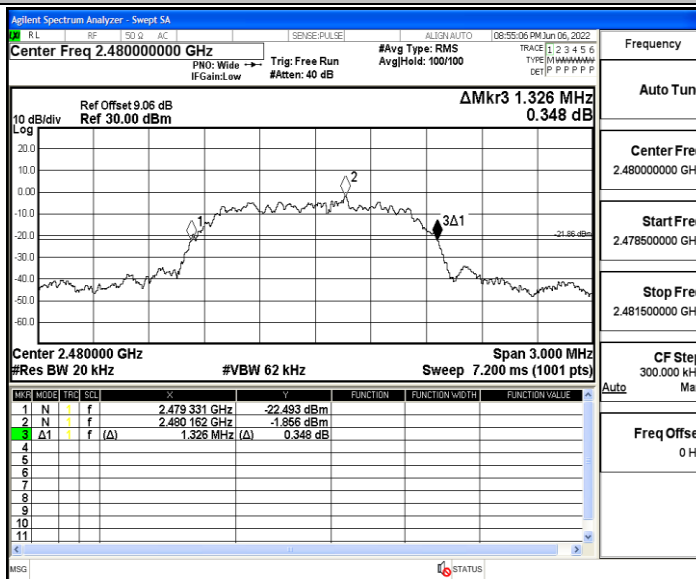
2DH5\_Ant1\_2402



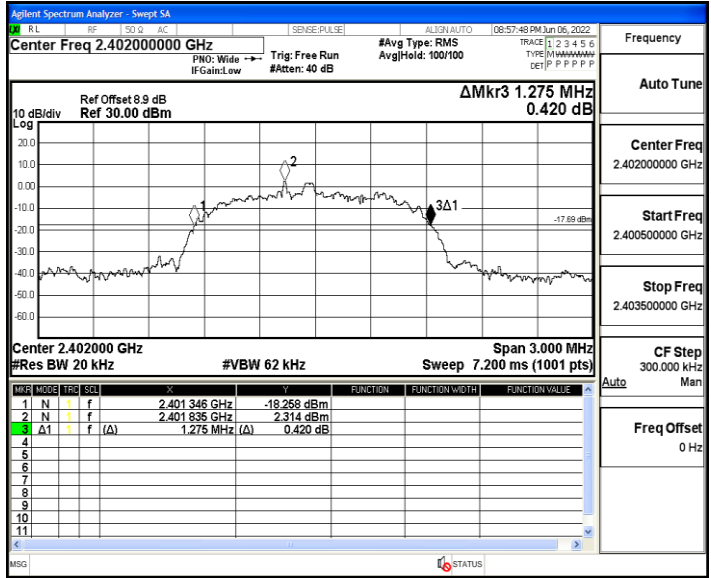
2DH5\_Ant1\_2441



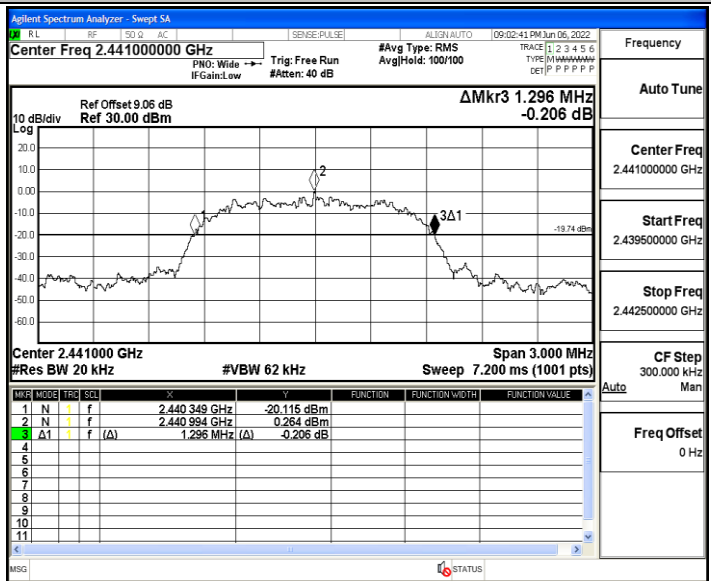
2DH5\_Ant1\_2480



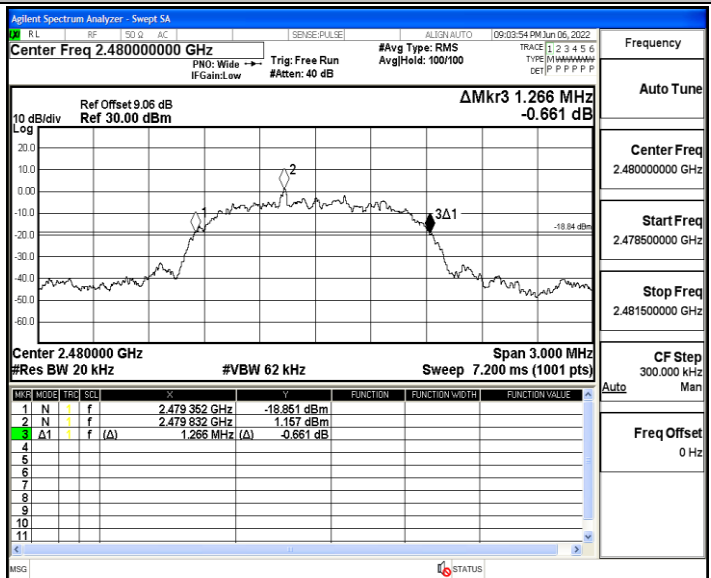
3DH5\_Ant1\_2402



3DH5\_Ant1\_2441



3DH5\_Ant1\_2480



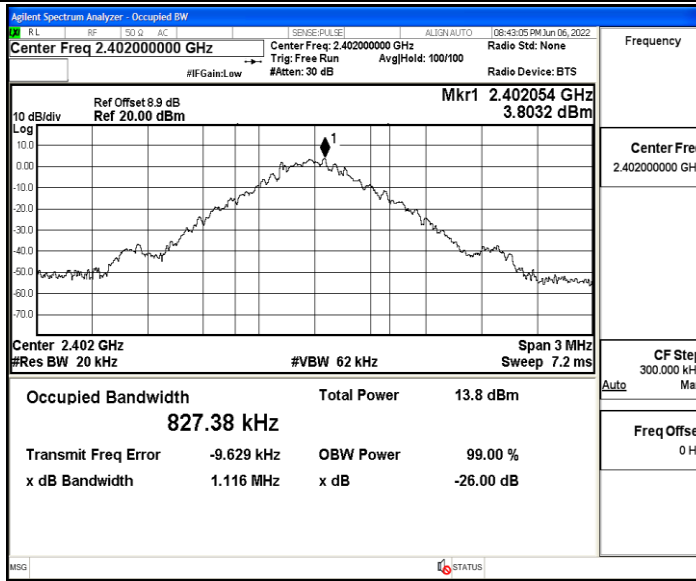
## Appendix B: Occupied Channel Bandwidth

### Test Result

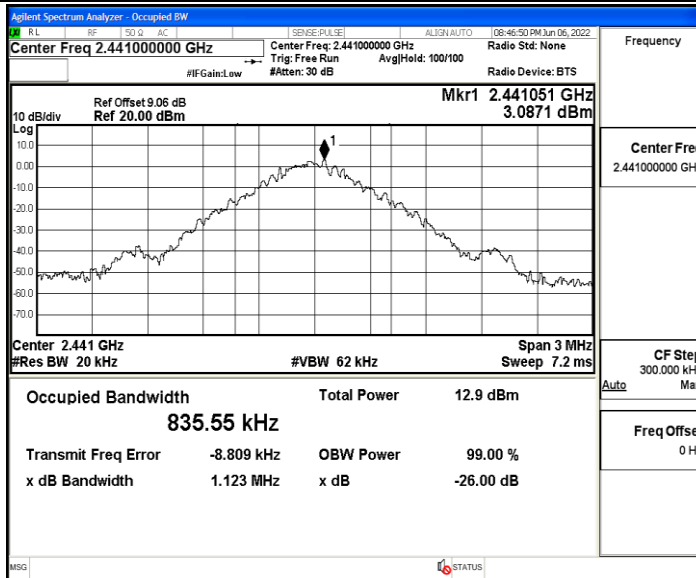
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.82738	2401.577	2402.404	---	---
		2441	0.83555	2440.573	2441.409	---	---
		2480	0.81962	2479.582	2480.402	---	---
2DH5	Ant1	2402	1.1712	2401.406	2402.577	---	---
		2441	1.1616	2440.409	2441.571	---	---
		2480	1.1630	2479.409	2480.572	---	---
3DH5	Ant1	2402	1.1727	2401.405	2402.577	---	---
		2441	1.1706	2440.406	2441.576	---	---
		2480	1.1683	2479.405	2480.573	---	---

### Test Graphs

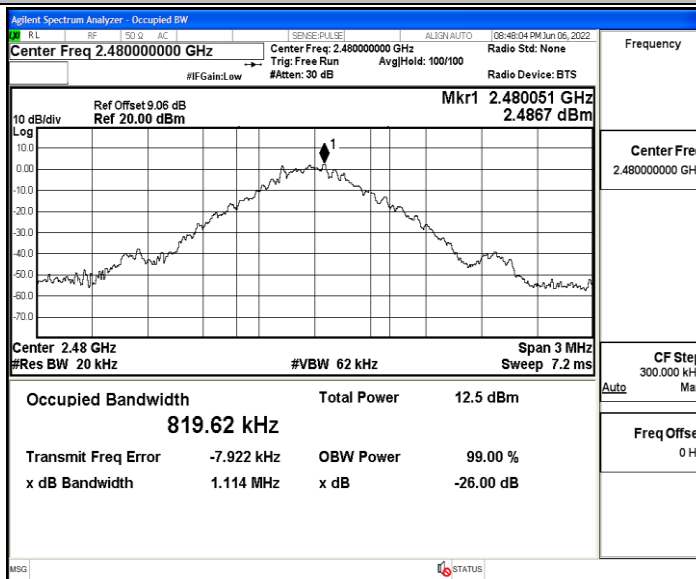
DH5\_Ant1\_2402



DH5\_Ant1\_2441



DH5\_Ant1\_2480



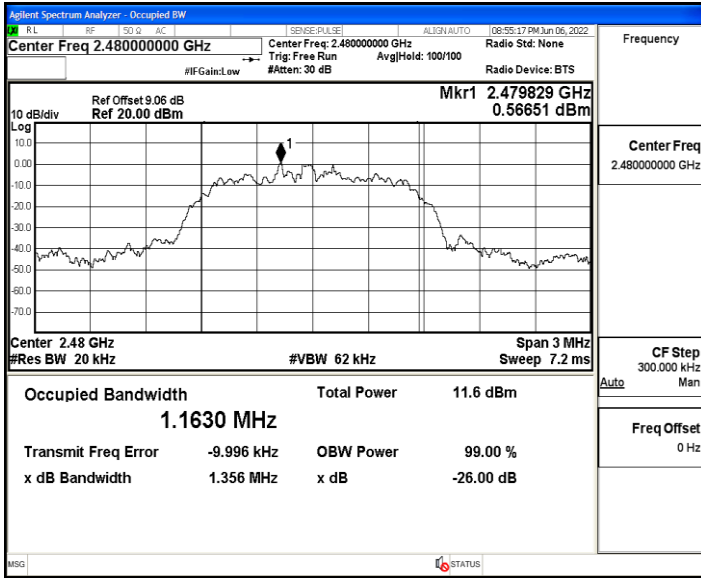
2DH5\_Ant1\_2402



2DH5\_Ant1\_2441



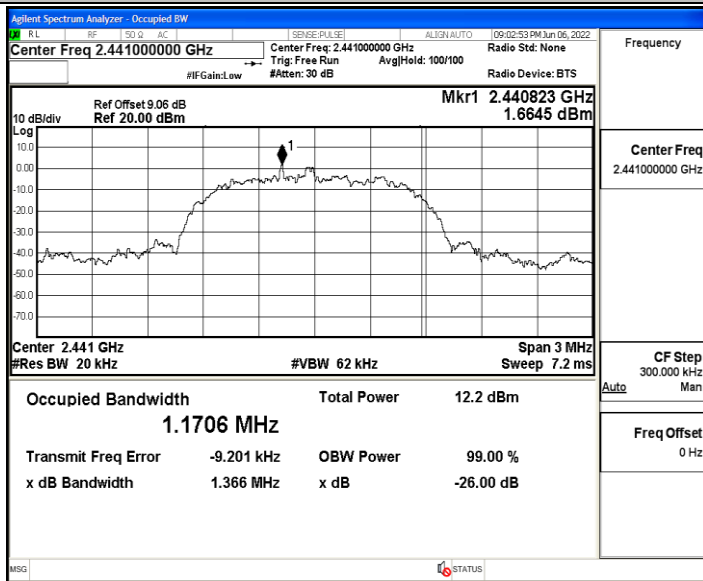
2DH5\_Ant1\_2480



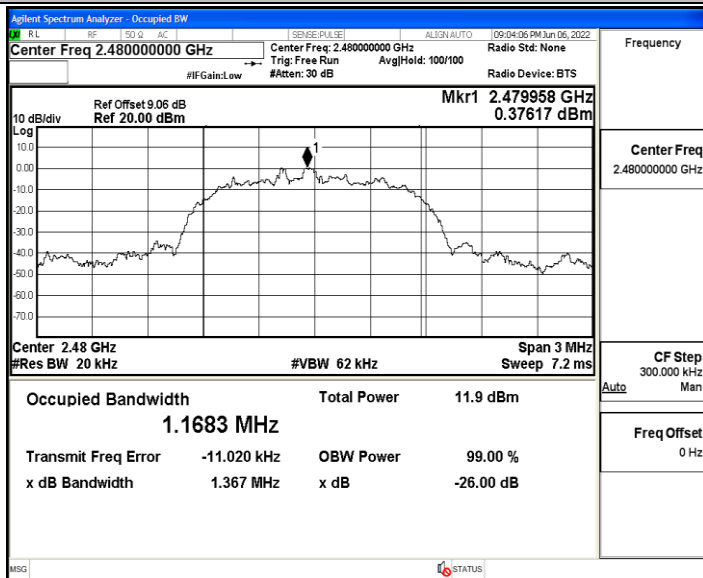
3DH5\_Ant1\_2402



3DH5\_Ant1\_2441



3DH5\_Ant1\_2480





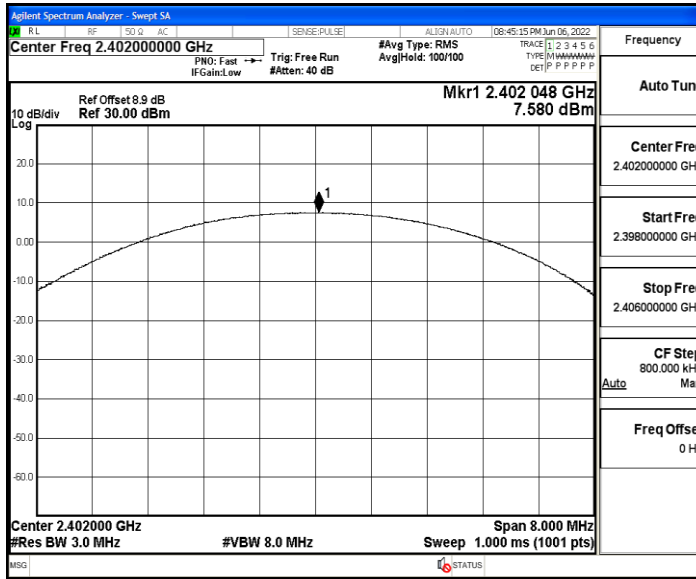
## Appendix C: Maximum conducted output power

### Test Result

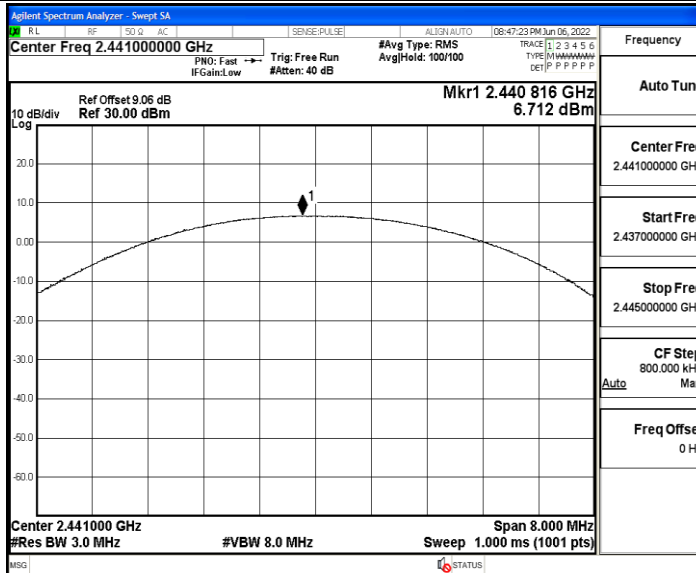
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	7.58	≤30	PASS
		2441	6.71	≤30	PASS
		2480	6.16	≤30	PASS
2DH5	Ant1	2402	8.27	≤20.97	PASS
		2441	7.35	≤20.97	PASS
		2480	6.83	≤20.97	PASS
3DH5	Ant1	2402	8.82	≤20.97	PASS
		2441	8.1	≤20.97	PASS
		2480	7.65	≤20.97	PASS

### Test Graphs

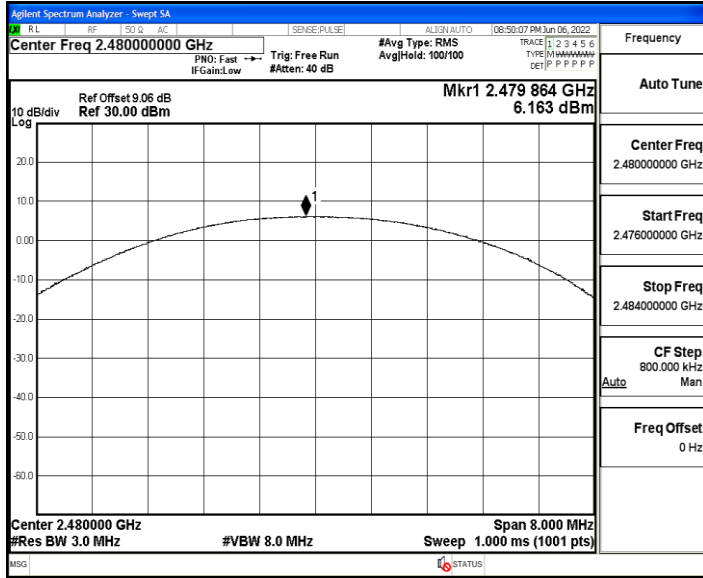
DH5\_Ant1\_2402



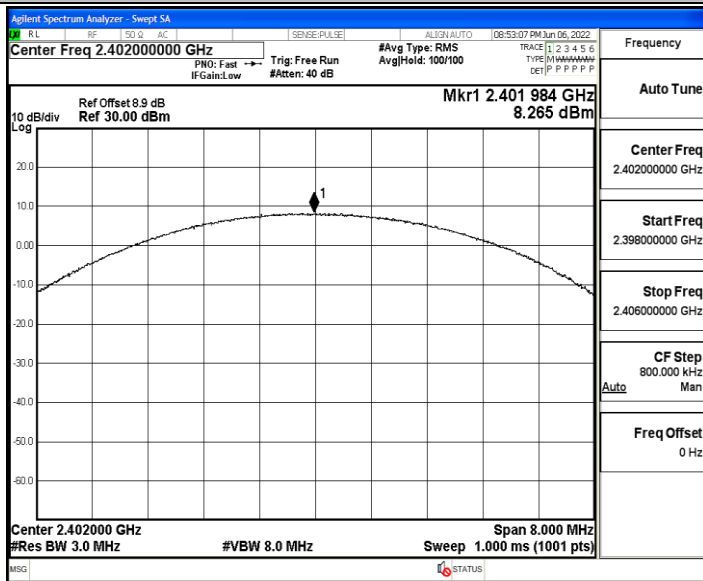
DH5\_Ant1\_2441



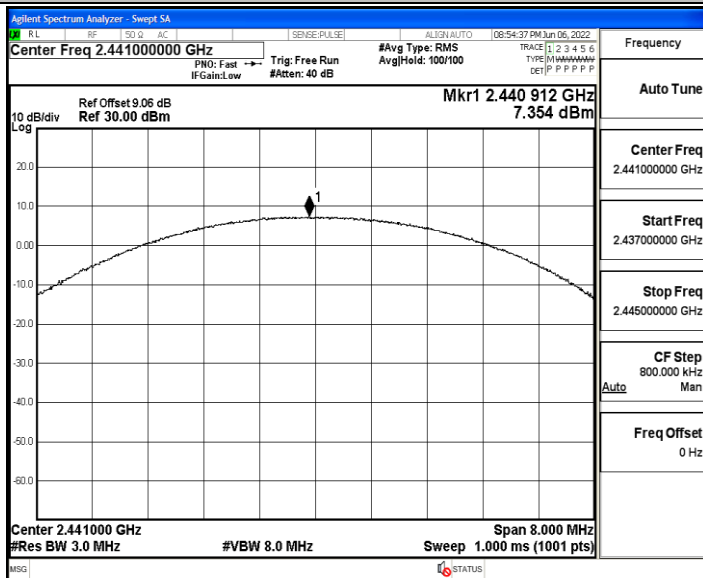
DH5\_Ant1\_2480



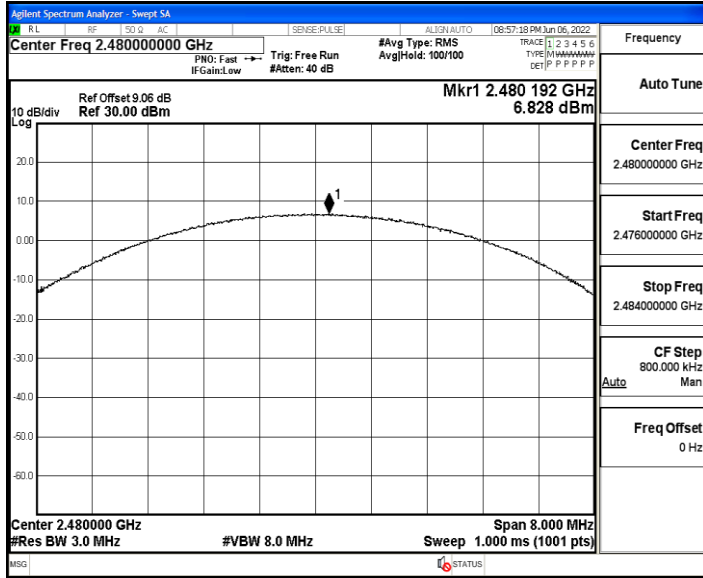
2DH5\_Ant1\_2402



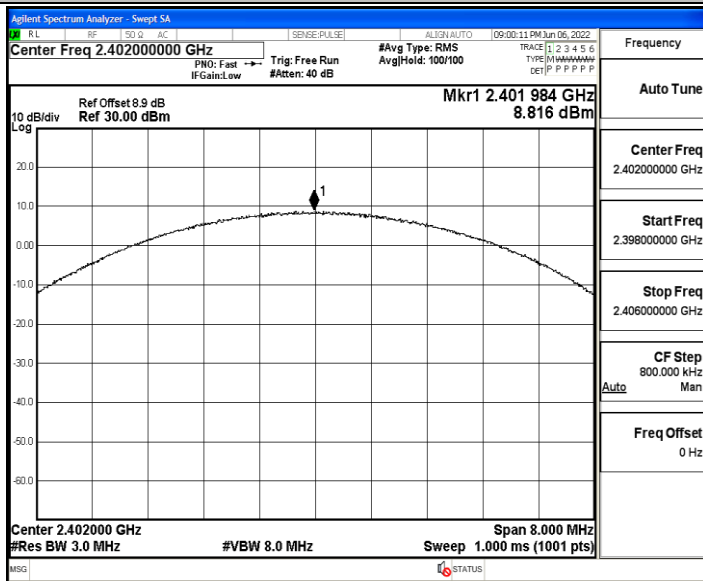
2DH5\_Ant1\_2441



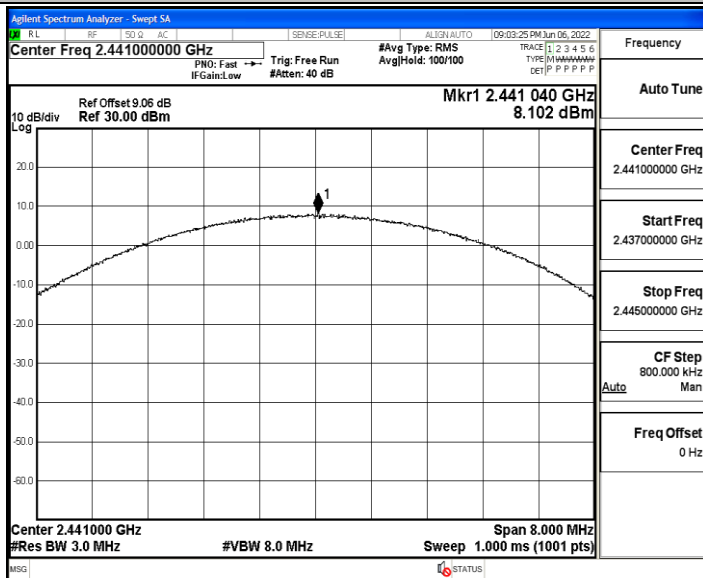
2DH5\_Ant1\_2480



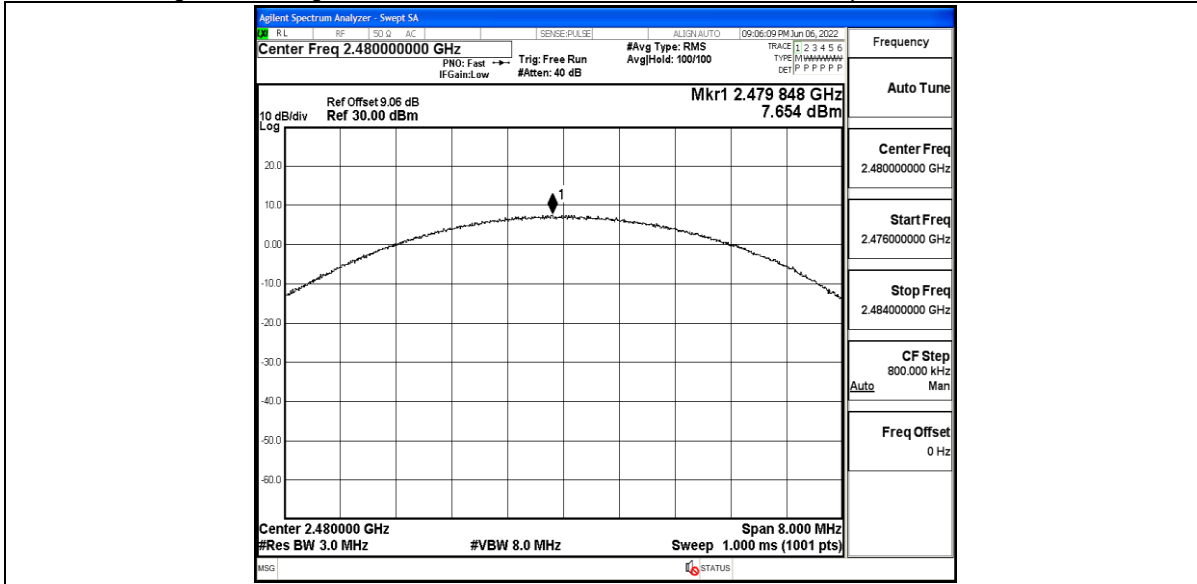
3DH5\_Ant1\_2402



3DH5\_Ant1\_2441



3DH5\_Ant1\_2480



## Appendix D: Carrier frequency separation

### Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.004	$\geq 0.891$	PASS
2DH5	Ant1	Hop	0.996	$\geq 0.884$	PASS
3DH5	Ant1	Hop	1.004	$\geq 0.864$	PASS



## Appendix E: Time of occupancy

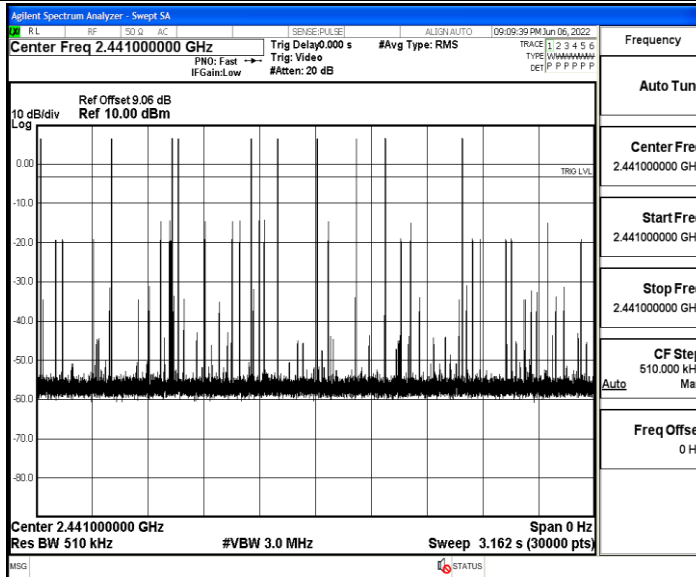
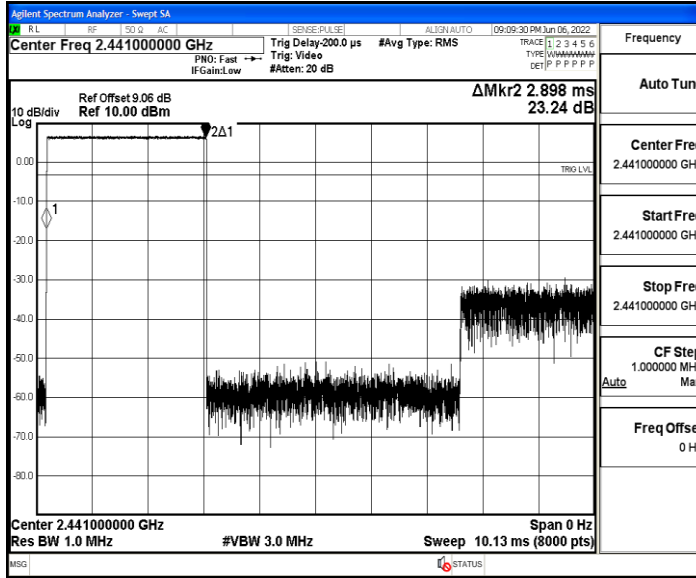
### Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.90	110	0.319	≤0.4	PASS
2DH5	Ant1	Hop	2.90	110	0.319	≤0.4	PASS
3DH5	Ant1	Hop	2.91	110	0.32	≤0.4	PASS

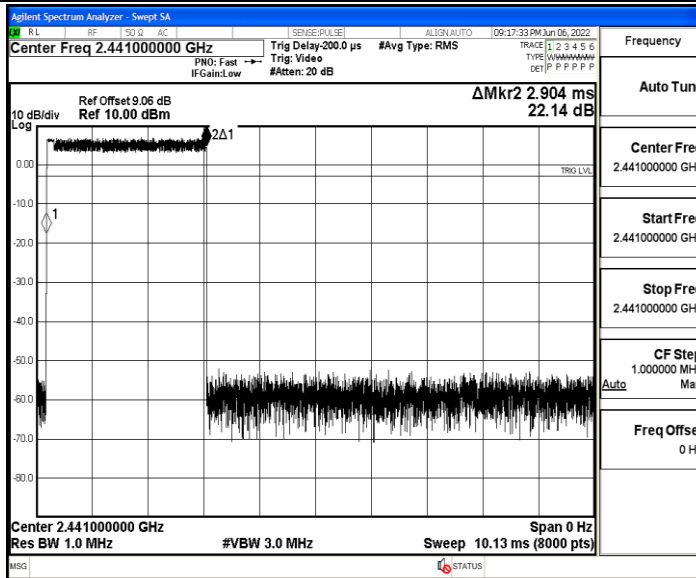


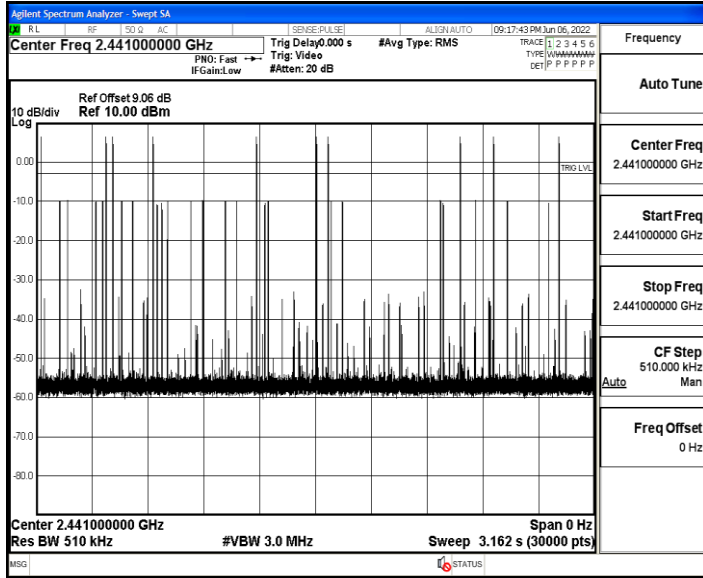
### Test Graphs

#### DH5\_Ant1\_Hop

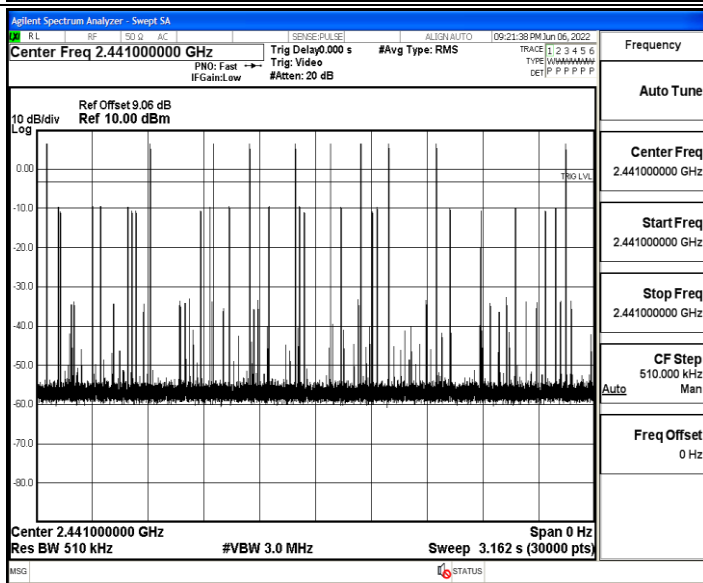
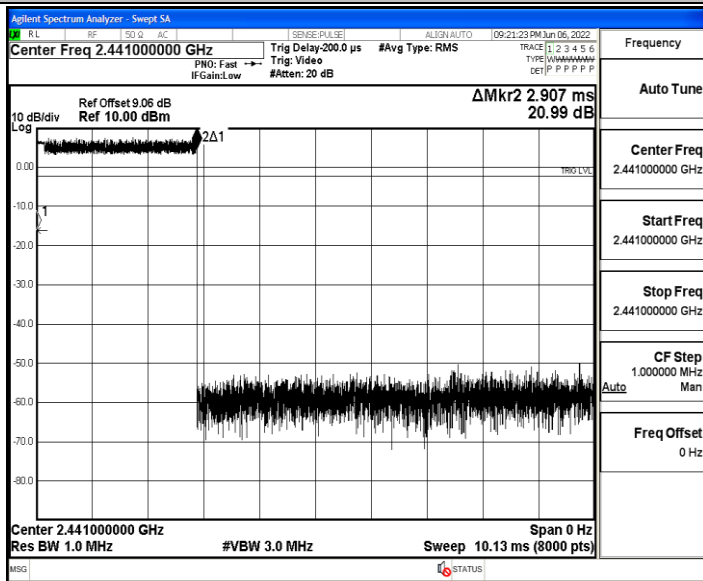


#### 2DH5\_Ant1\_Hop





3DH5\_Ant1\_Hop



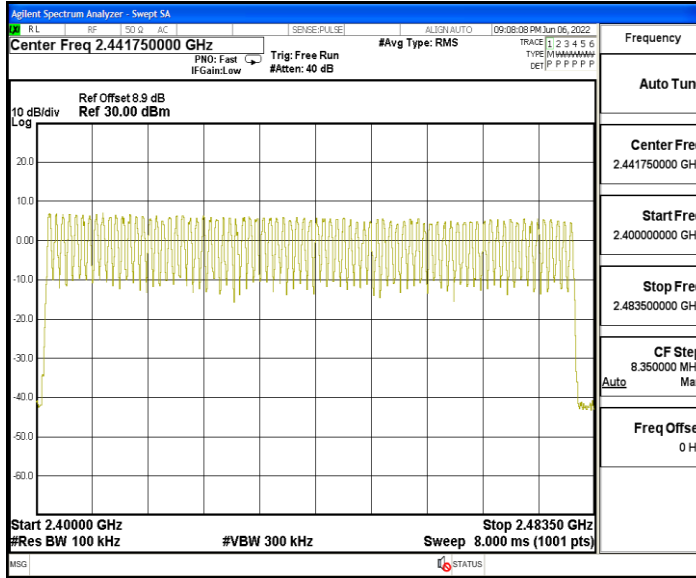
## Appendix F: Number of hopping channels

### Test Result

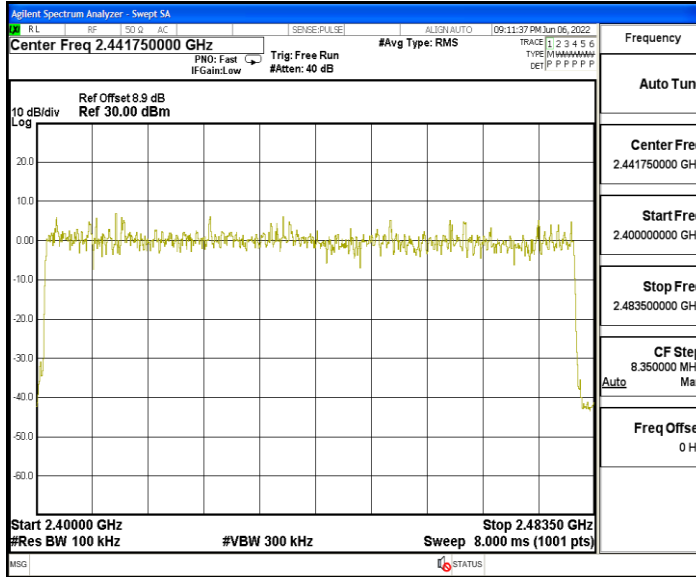
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

### Test Graphs

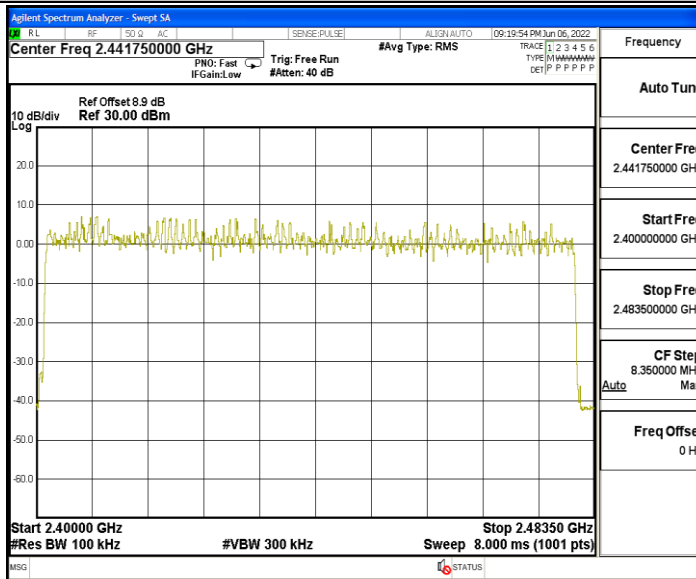
#### DH5\_Ant1\_Hop



#### 2DH5\_Ant1\_Hop



#### 3DH5\_Ant1\_Hop



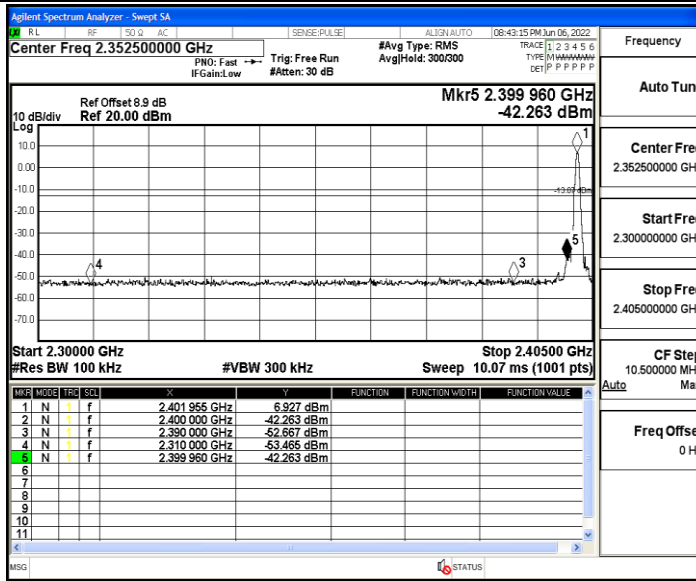
## Appendix G: Band edge measurements

### Test Result

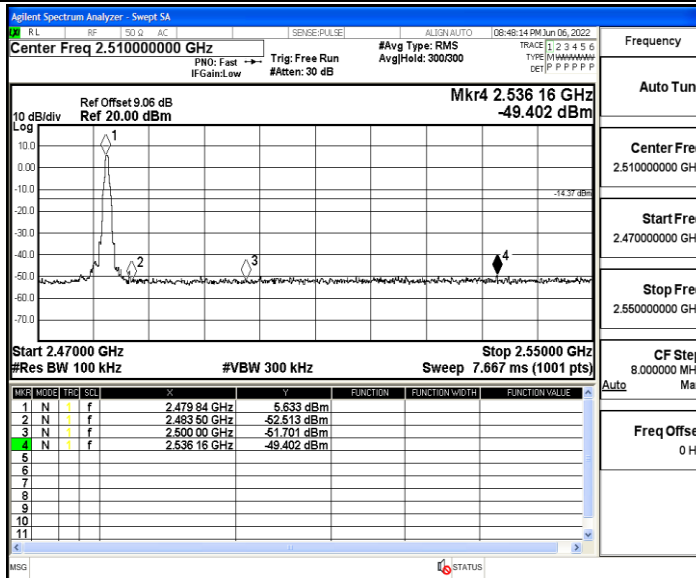
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	6.93	-42.26	$\leq$ -13.07	PASS
		High	2480	5.63	-49.4	$\leq$ -14.37	PASS
		Low	Hop_2402	6.47	-49.92	$\leq$ -13.53	PASS
		High	Hop_2480	5.78	-49.12	$\leq$ -14.22	PASS
2DH5	Ant1	Low	2402	7.13	-42.52	$\leq$ -12.87	PASS
		High	2480	5.52	-49.02	$\leq$ -14.49	PASS
		Low	Hop_2402	1.39	-50.09	$\leq$ -18.61	PASS
		High	Hop_2480	5.73	-49.42	$\leq$ -14.27	PASS
3DH5	Ant1	Low	2402	6.39	-41.29	$\leq$ -13.61	PASS
		High	2480	4.00	-49.97	$\leq$ -16	PASS
		Low	Hop_2402	2.95	-50.68	$\leq$ -17.05	PASS
		High	Hop_2480	3.45	-49.28	$\leq$ -16.56	PASS

Test Graphs

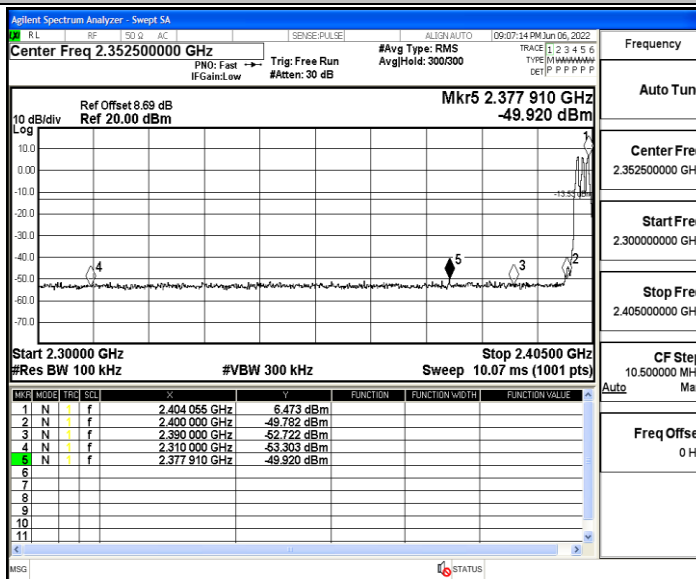
DH5\_Ant1\_Low\_2402



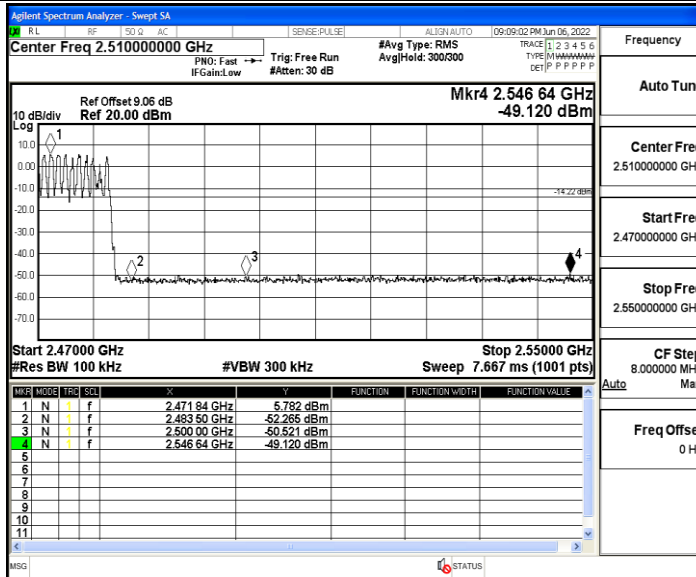
DH5\_Ant1\_High\_2480



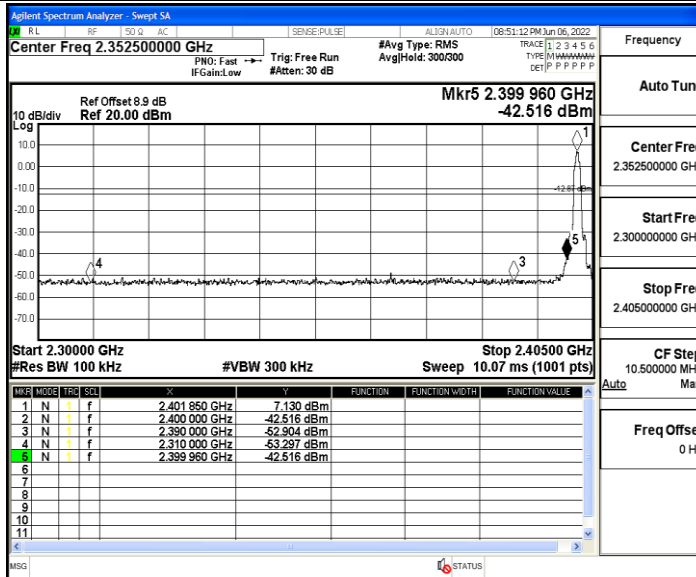
DH5\_Ant1\_Low\_Hop\_2402



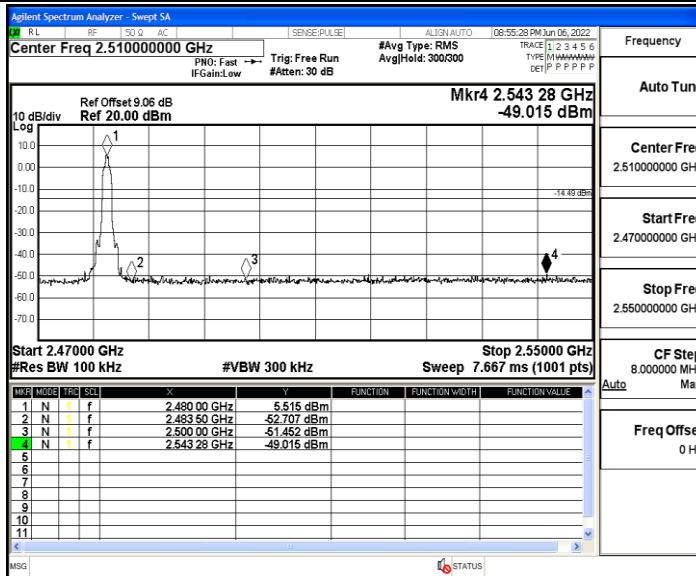
DH5\_Ant1\_High\_Hop\_2480



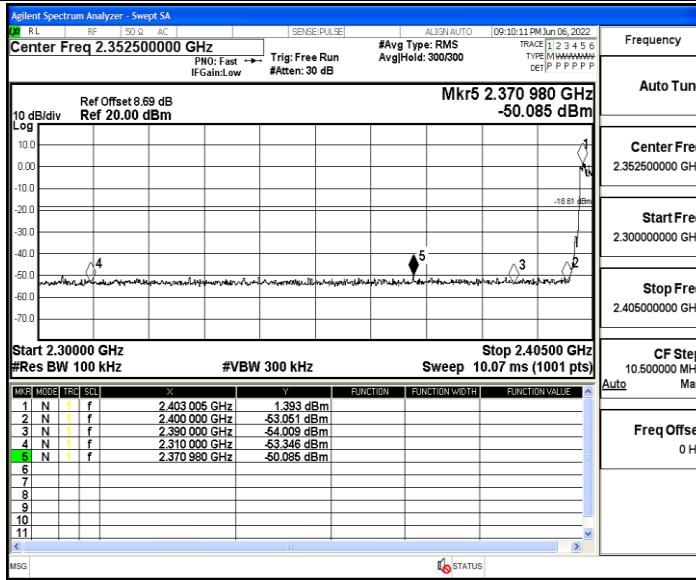
2DH5\_Ant1\_Low\_2402



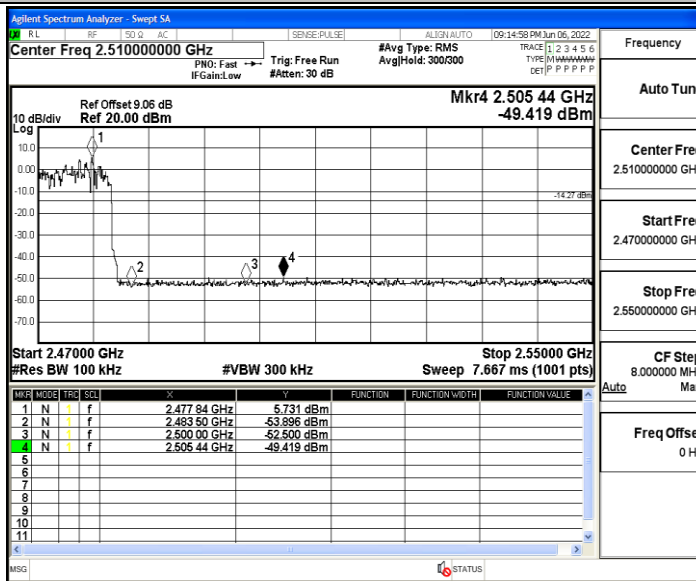
2DH5\_Ant1\_High\_2480



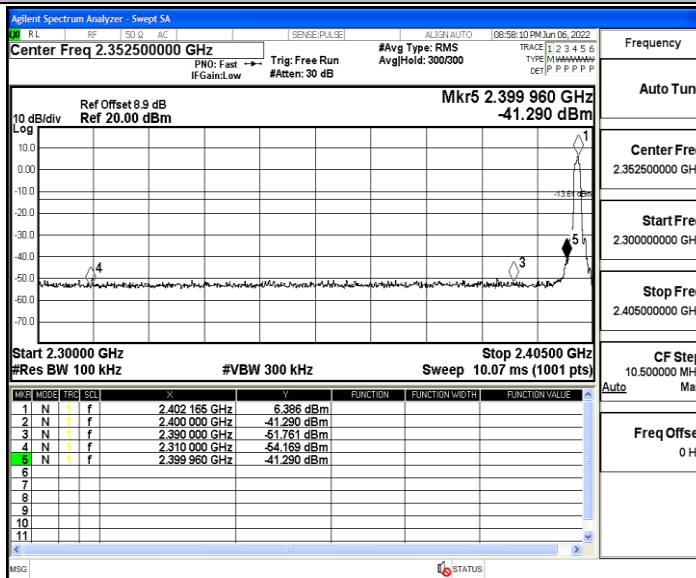
2DH5\_Ant1\_Low\_Hop\_2402



2DH5\_Ant1\_High\_Hop\_2480

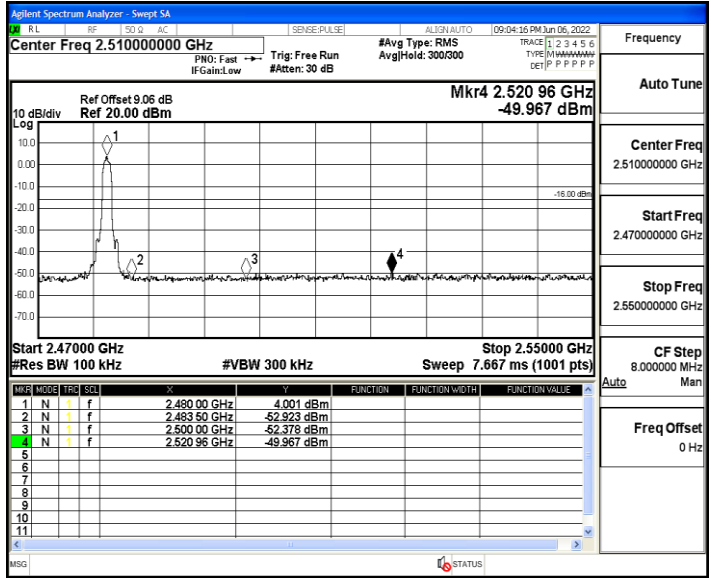


3DH5\_Ant1\_Low\_2402

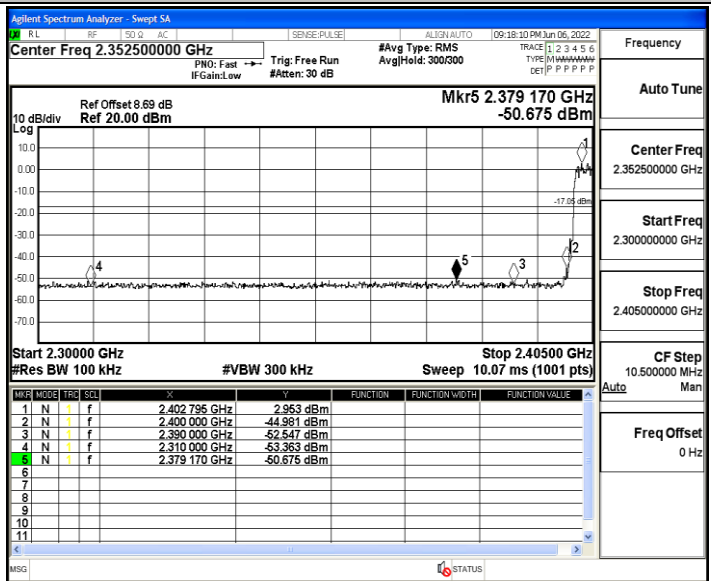


3DH5\_Ant1\_High\_2480

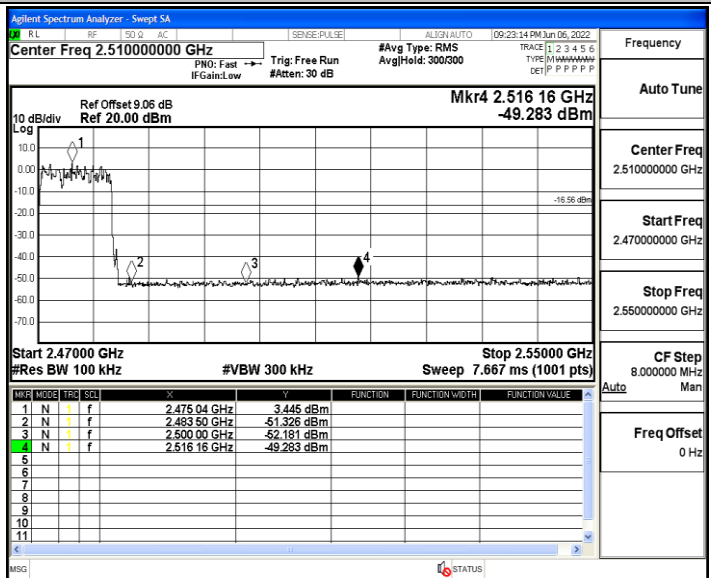




3DH5\_Ant1\_Low\_Hop\_2402



3DH5\_Ant1\_High\_Hop\_2480



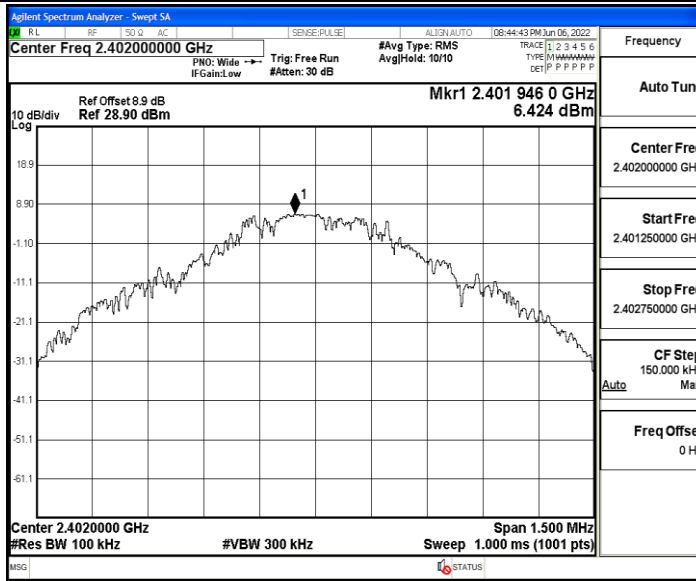
## Appendix H: Conducted Spurious Emission

### Test Result

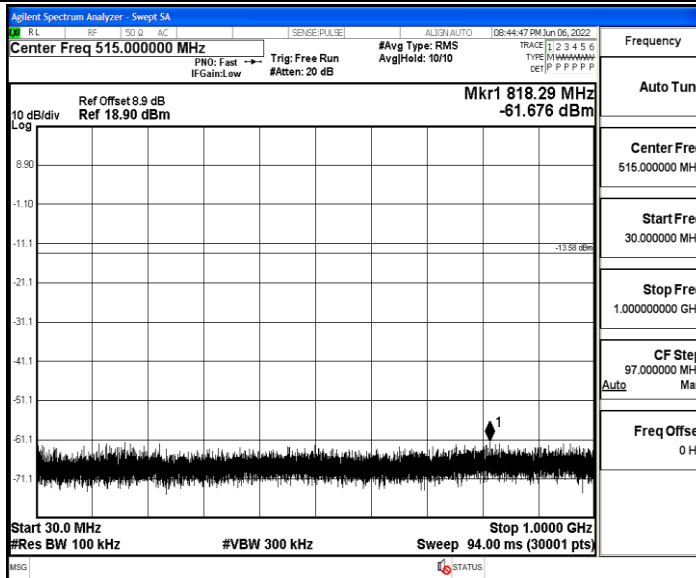
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	6.42	6.42	---	PASS
			30~1000	6.42	-61.68	≤-13.58	PASS
			1000~26500	6.42	-37.41	≤-13.58	PASS
		2441	Reference	5.64	5.64	---	PASS
			30~1000	5.64	-60.96	≤-14.36	PASS
			1000~26500	5.64	-36.79	≤-14.36	PASS
		2480	Reference	5.20	5.20	---	PASS
			30~1000	5.20	-61.35	≤-14.8	PASS
			1000~26500	5.20	-34.16	≤-14.8	PASS
2DH5	Ant1	2402	Reference	5.41	5.41	---	PASS
			30~1000	5.41	-61.61	≤-14.59	PASS
			1000~26500	5.41	-41.21	≤-14.59	PASS
		2441	Reference	5.52	5.52	---	PASS
			30~1000	5.52	-61.66	≤-14.48	PASS
			1000~26500	5.52	-41.5	≤-14.48	PASS
		2480	Reference	4.97	4.97	---	PASS
			30~1000	4.97	-61.48	≤-15.03	PASS
			1000~26500	4.97	-39.49	≤-15.03	PASS
3DH5	Ant1	2402	Reference	2.74	2.74	---	PASS
			30~1000	2.74	-61	≤-17.26	PASS
			1000~26500	2.74	-39.05	≤-17.26	PASS
		2441	Reference	5.97	5.97	---	PASS
			30~1000	5.97	-60.73	≤-14.03	PASS
			1000~26500	5.97	-40.34	≤-14.03	PASS
		2480	Reference	4.32	4.32	---	PASS
			30~1000	4.32	-60.75	≤-15.68	PASS
			1000~26500	4.32	-41.18	≤-15.68	PASS

Test Graphs

DH5\_Ant1\_2402\_0~Reference



DH5\_Ant1\_2402\_30~1000



DH5\_Ant1\_2402\_1000~26500

