

RF Test Data for Bluetooth (BDR+EDR) (Conducted Measurements)

General Description of EUT	
Product Name:	ETOE TV
Test Model:	D1221
Sample ID:	202302-0086_01-02
Environmental Conditions	
Temperature:	25°C
Relative Humidity:	55%
Test Voltage:	DC 5V
Test Engineer:	Huang jian ping
Note: For a more detailed features description, please refer to the report TBR-C-202302-0086-5 The report only show the worst case data.	

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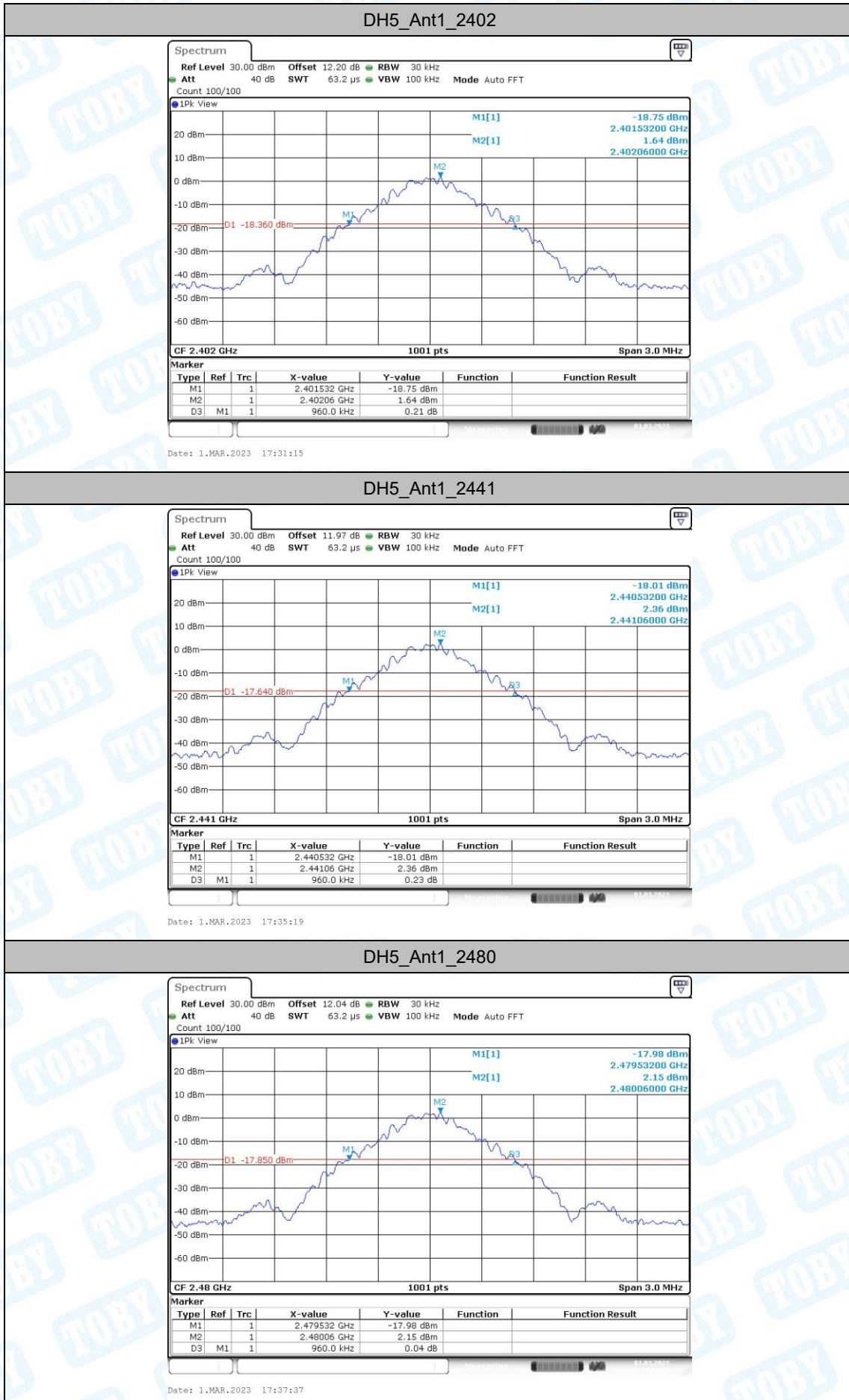
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1. 20dB Emission Bandwidth

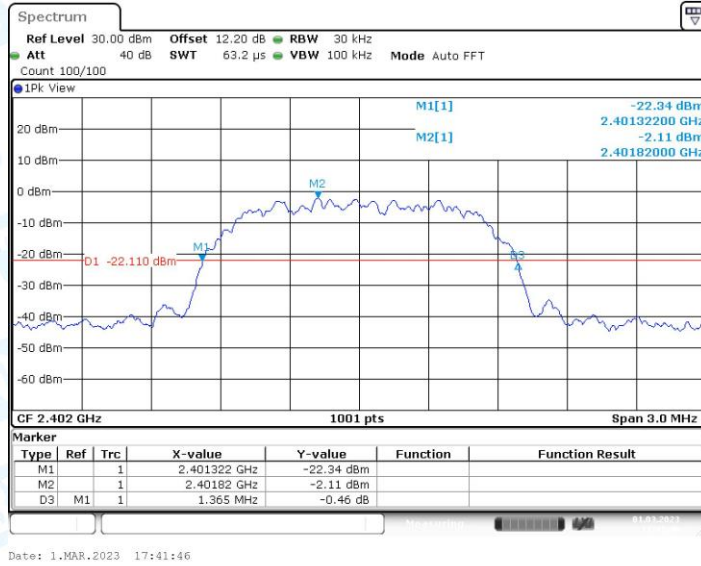
1.1. Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.96	---	---
		2441	0.96	---	---
		2480	0.96	---	---
2DH5	Ant1	2402	1.36	---	---
		2441	1.36	---	---
		2480	1.37	---	---
3DH5	Ant1	2402	1.35	---	---
		2441	1.35	---	---
		2480	1.35	---	---

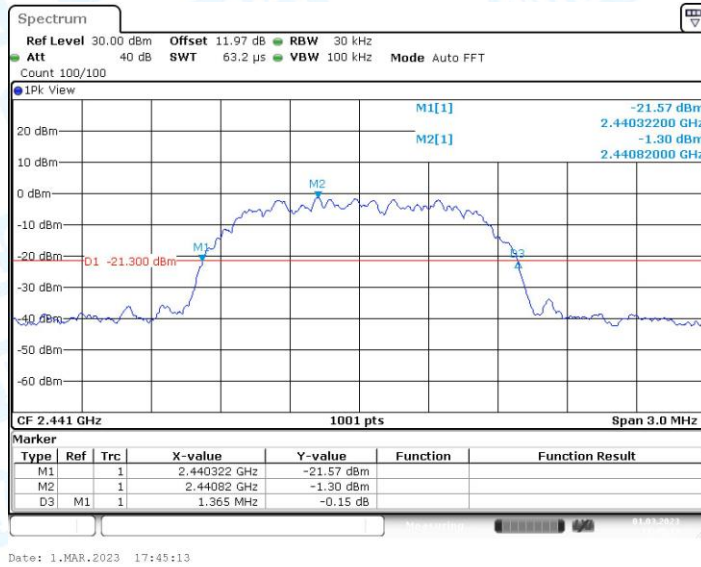
1.2. Test Graphs



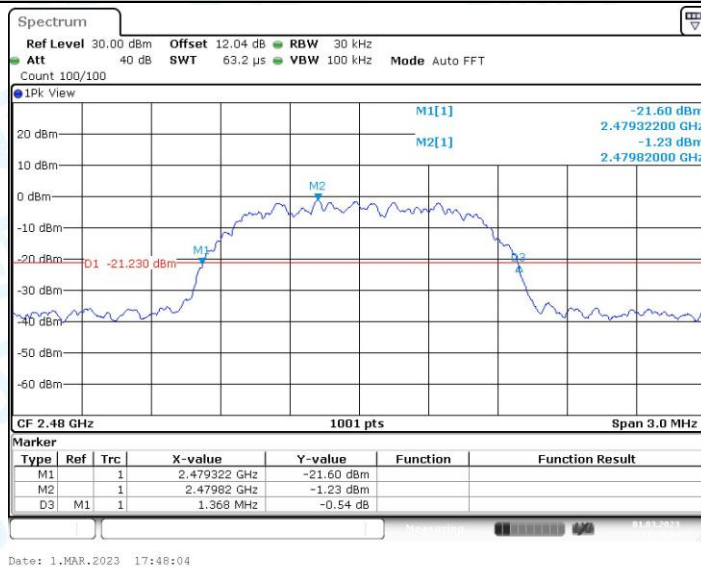
2DH5_Ant1_2402



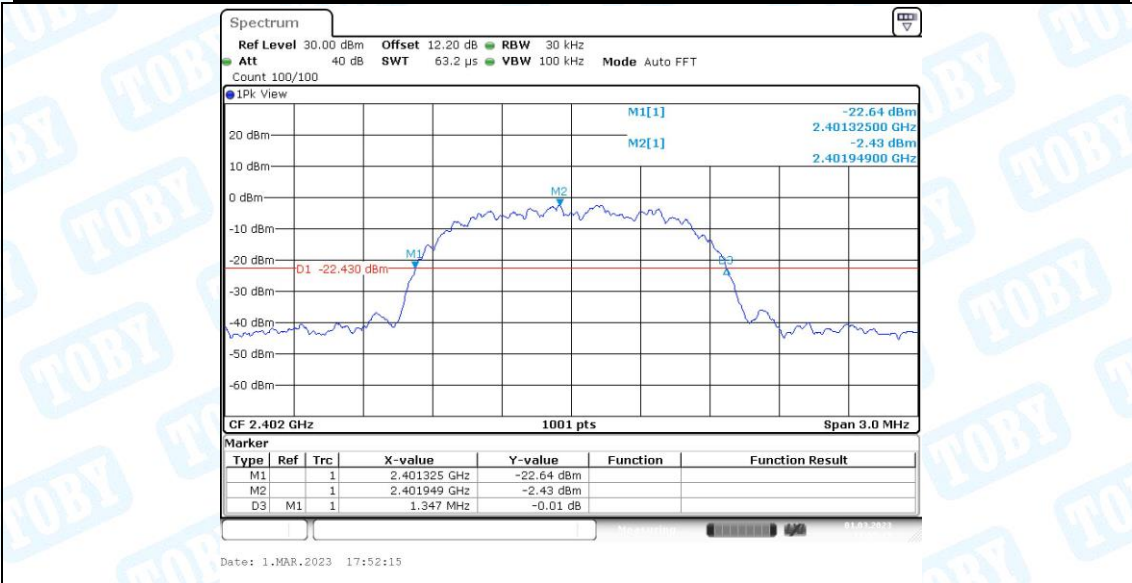
2DH5_Ant1_2441



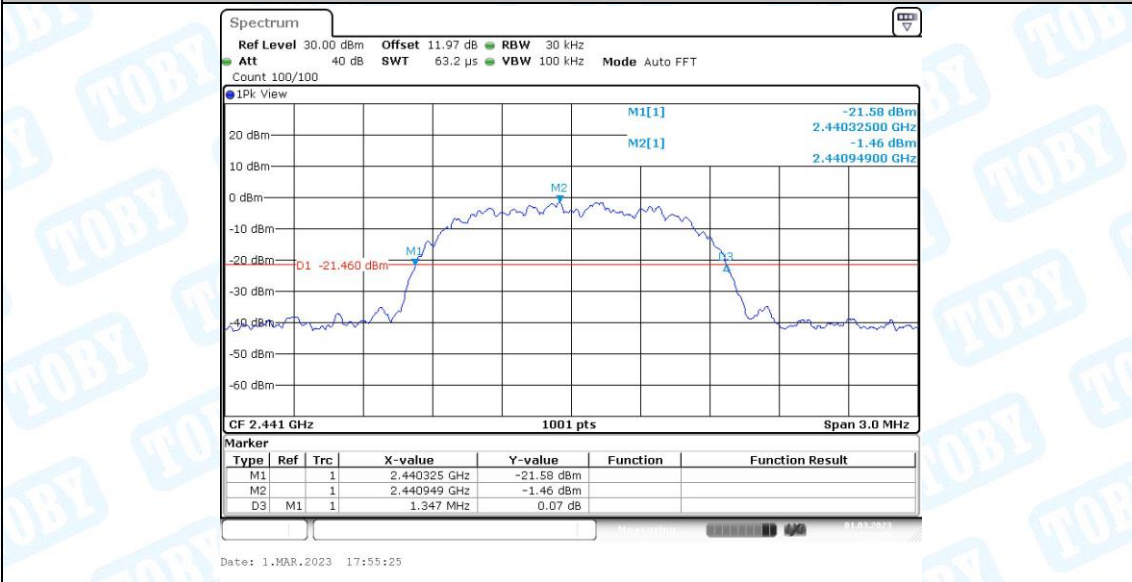
2DH5_Ant1_2480



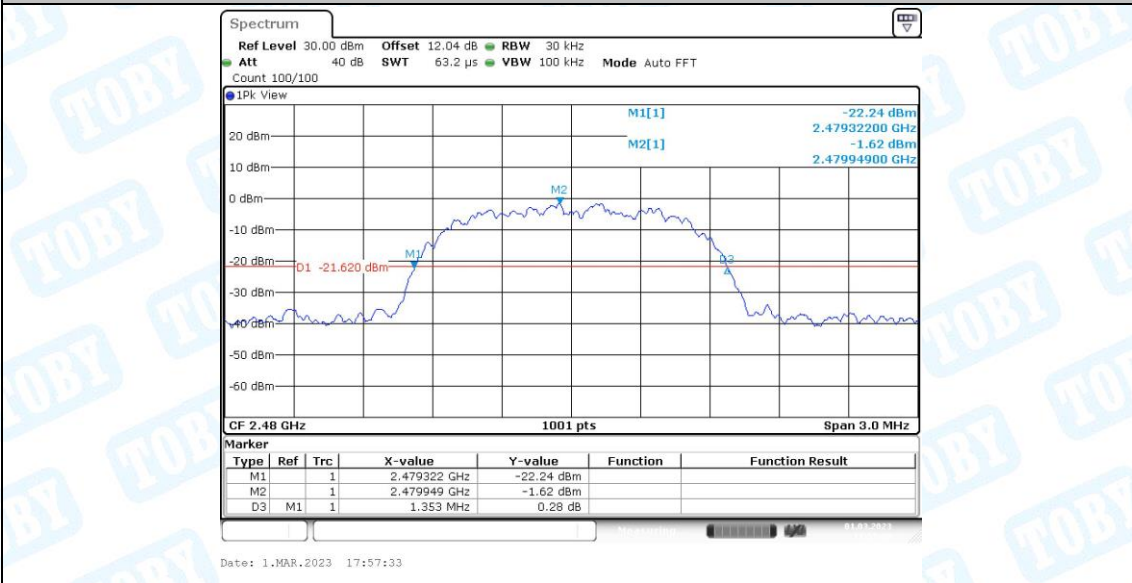
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



2. Occupied Channel Bandwidth

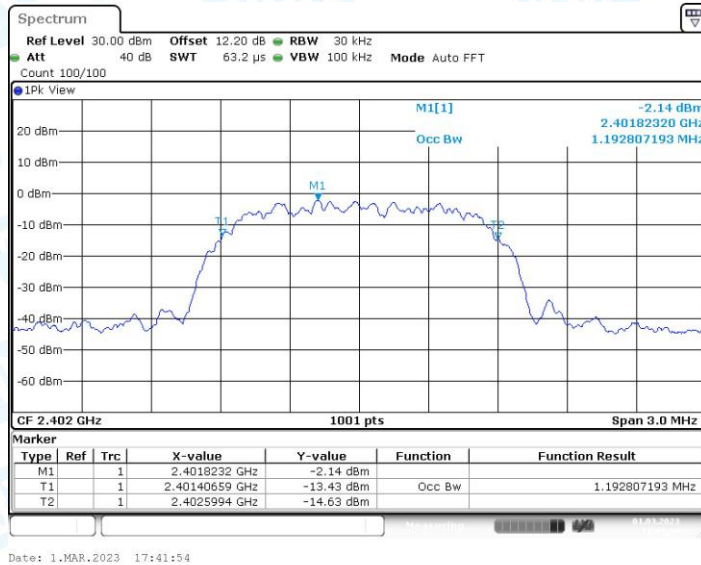
2.1. Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.899	2401.5564	2402.4555	---	---
		2441	0.896	2440.5564	2441.4525	---	---
		2480	0.896	2479.5564	2480.4525	---	---
2DH5	Ant1	2402	1.193	2401.4066	2402.5994	---	---
		2441	1.199	2440.4036	2441.6024	---	---
		2480	1.202	2479.4036	2480.6054	---	---
3DH5	Ant1	2402	1.196	2401.4036	2402.5994	---	---
		2441	1.202	2440.4006	2441.6024	---	---
		2480	1.208	2479.3946	2480.6024	---	---

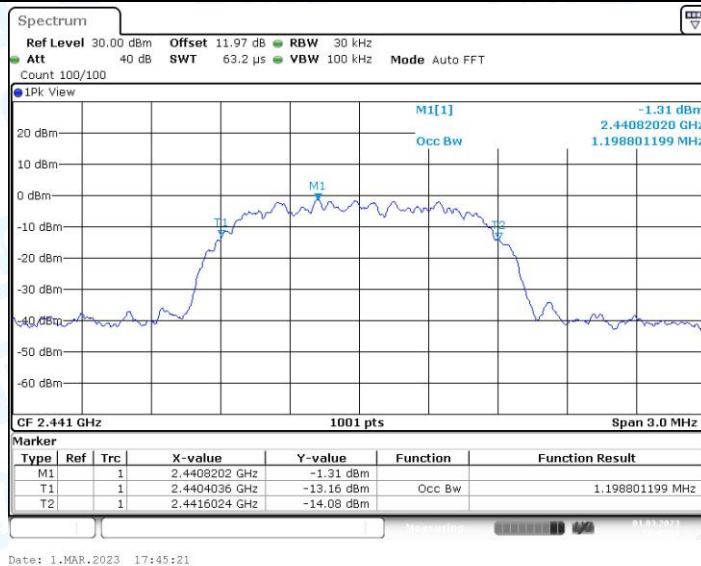
2.2. Test Graphs



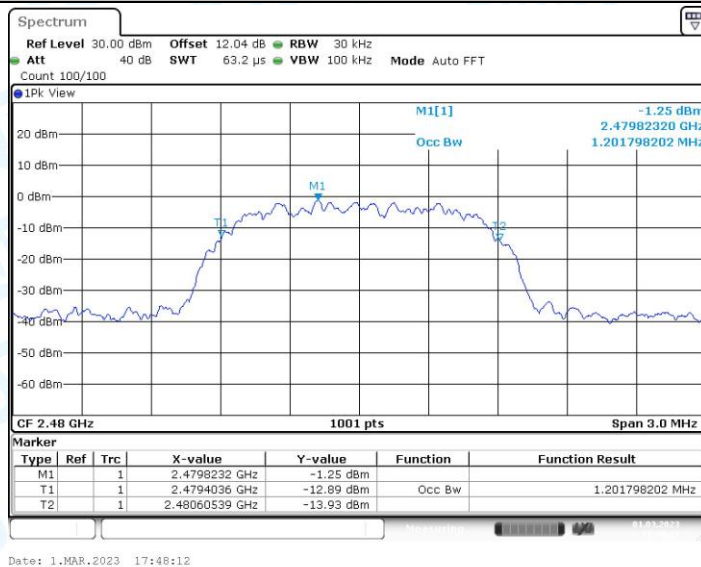
2DH5_Ant1_2402



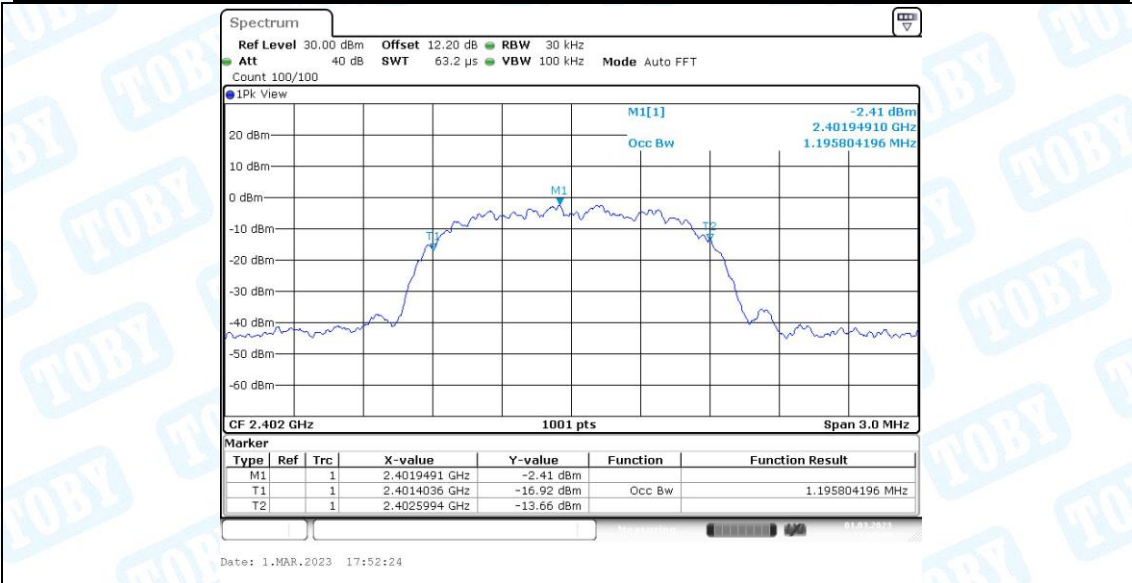
2DH5_Ant1_2441



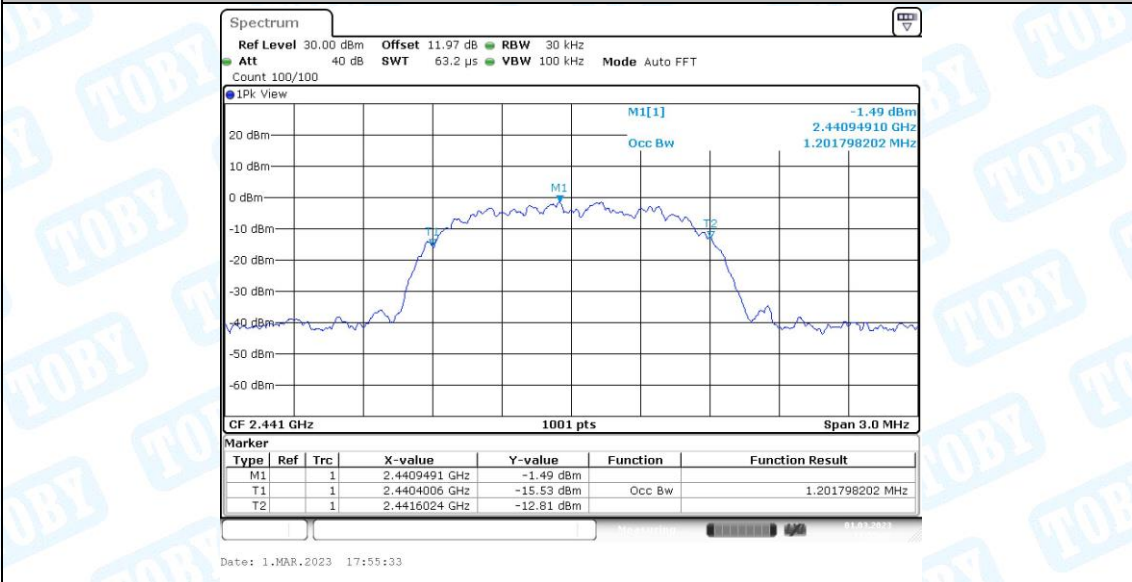
2DH5_Ant1_2480



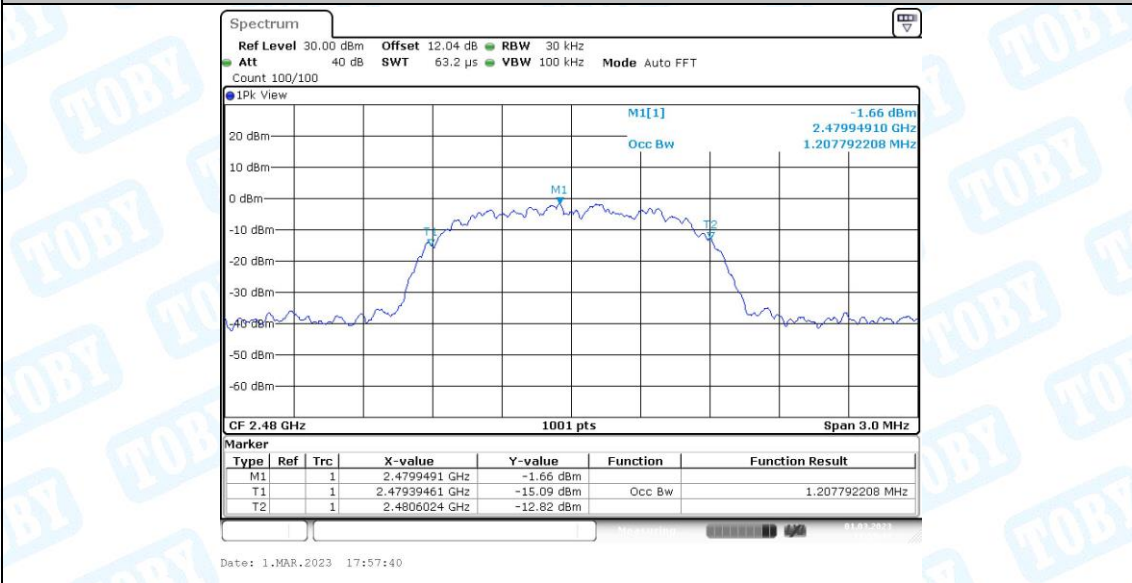
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



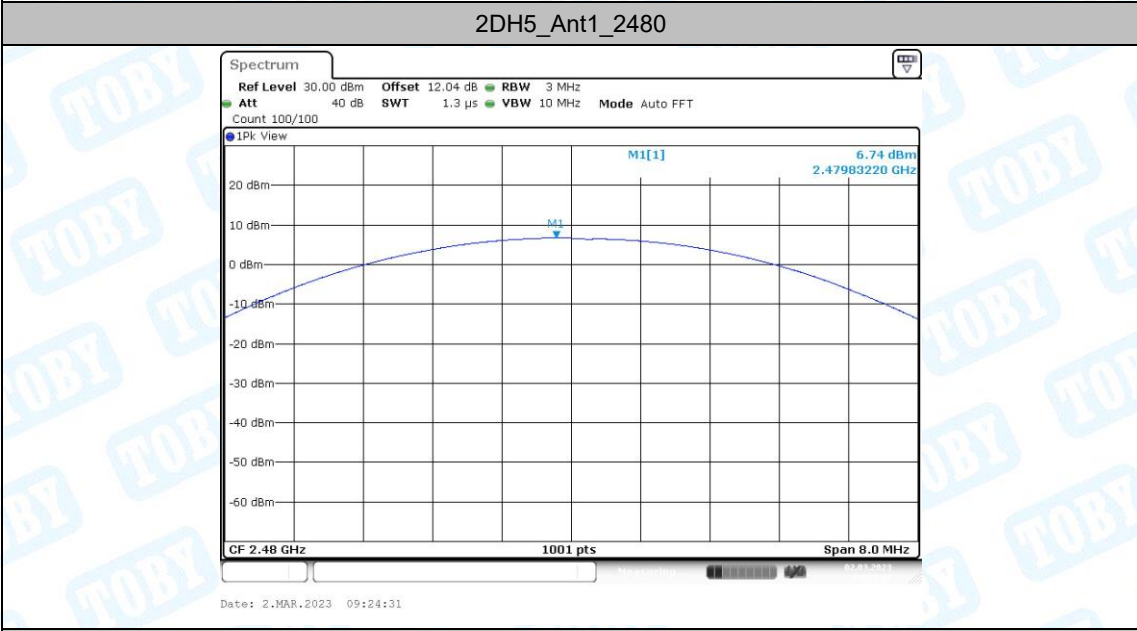
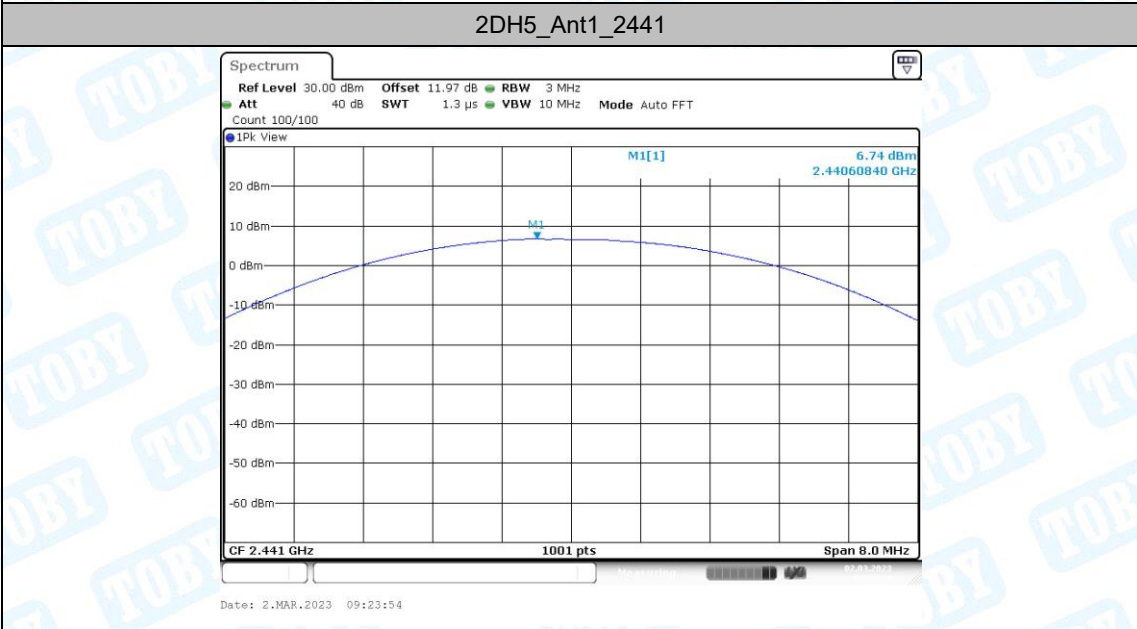
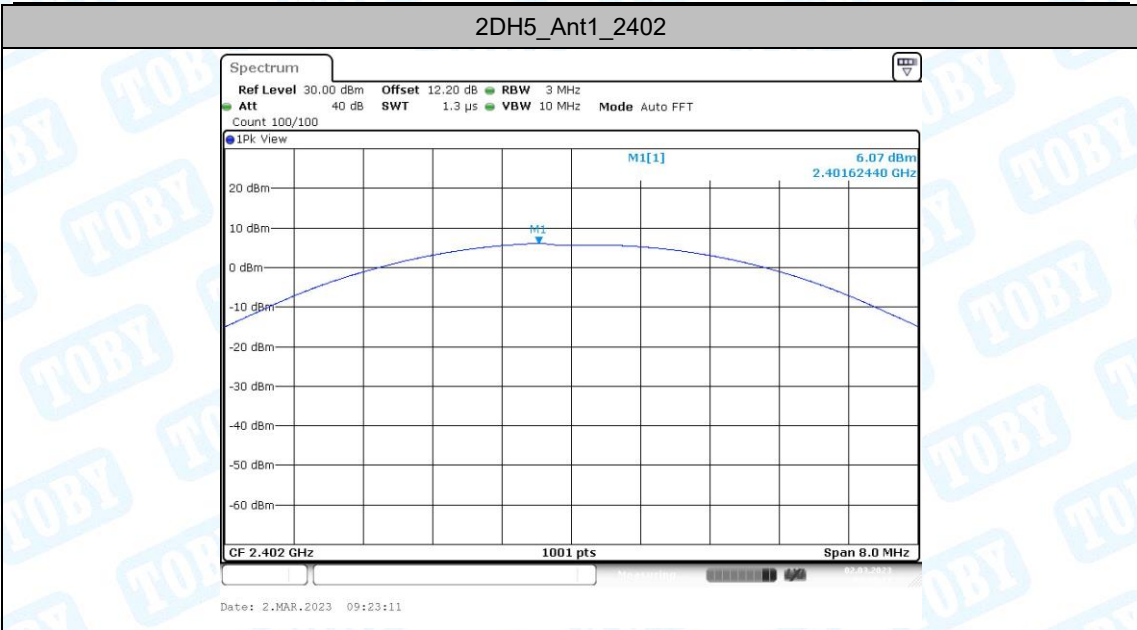
3. Maximum conducted output power

3.1. Test Result

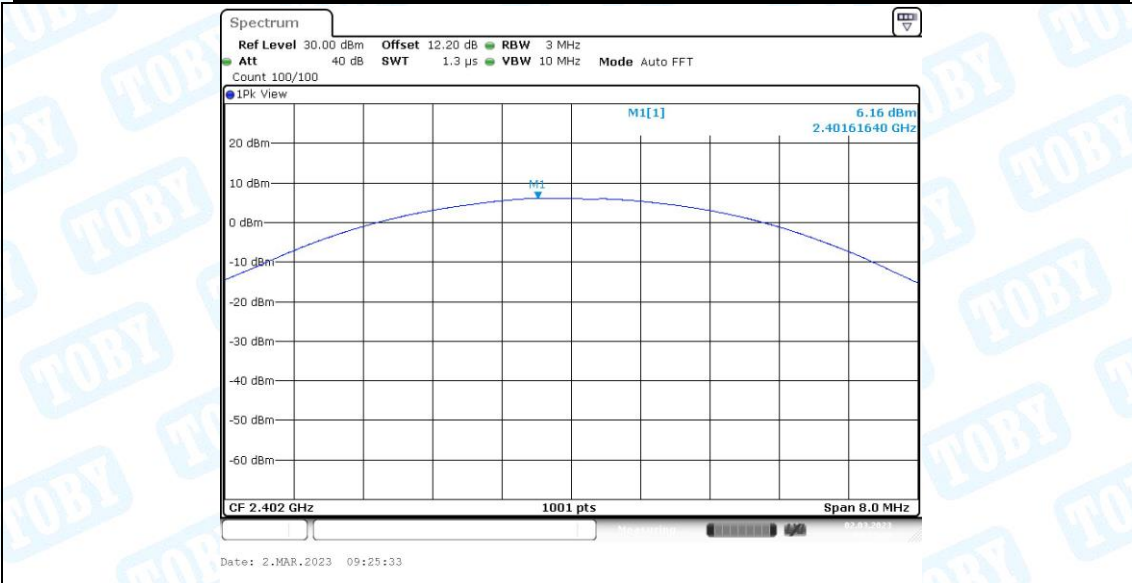
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	4.73	≤20.97	PASS
		2441	5.66	≤20.97	PASS
		2480	5.13	≤20.97	PASS
2DH5	Ant1	2402	6.07	≤20.97	PASS
		2441	6.74	≤20.97	PASS
		2480	6.74	≤20.97	PASS
3DH5	Ant1	2402	6.16	≤20.97	PASS
		2441	6.92	≤20.97	PASS
		2480	6.37	≤20.97	PASS

3.2. Test Graphs





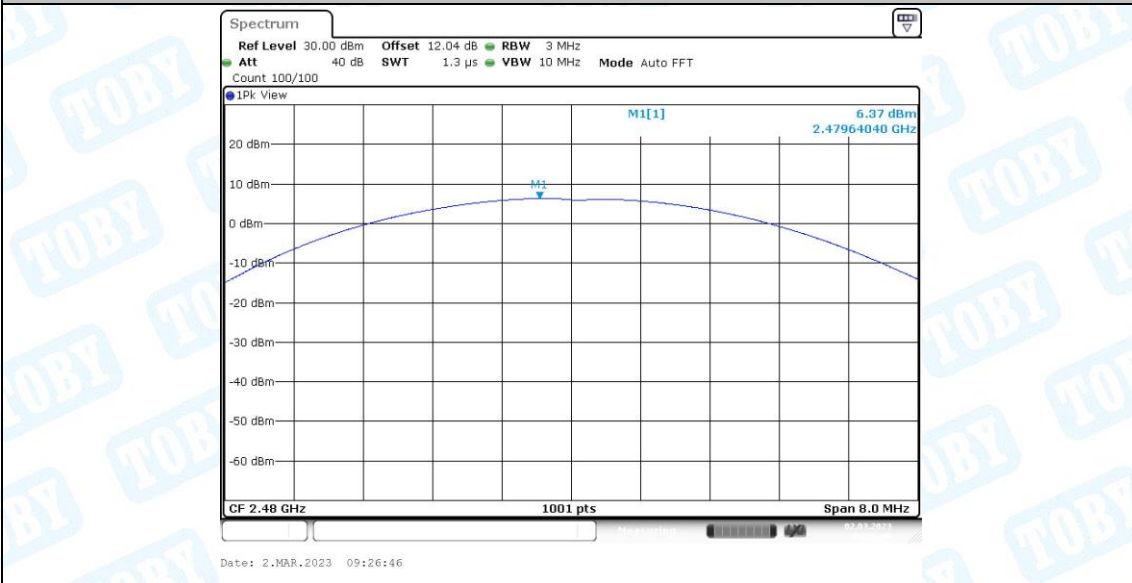
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



4. Carrier frequency separation

4.1. Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.336	≥0.96	PASS
2DH5	Ant1	Hop	1.33	≥0.913	PASS
3DH5	Ant1	Hop	1.165	≥0.900	PASS

4.2. Test Graphs

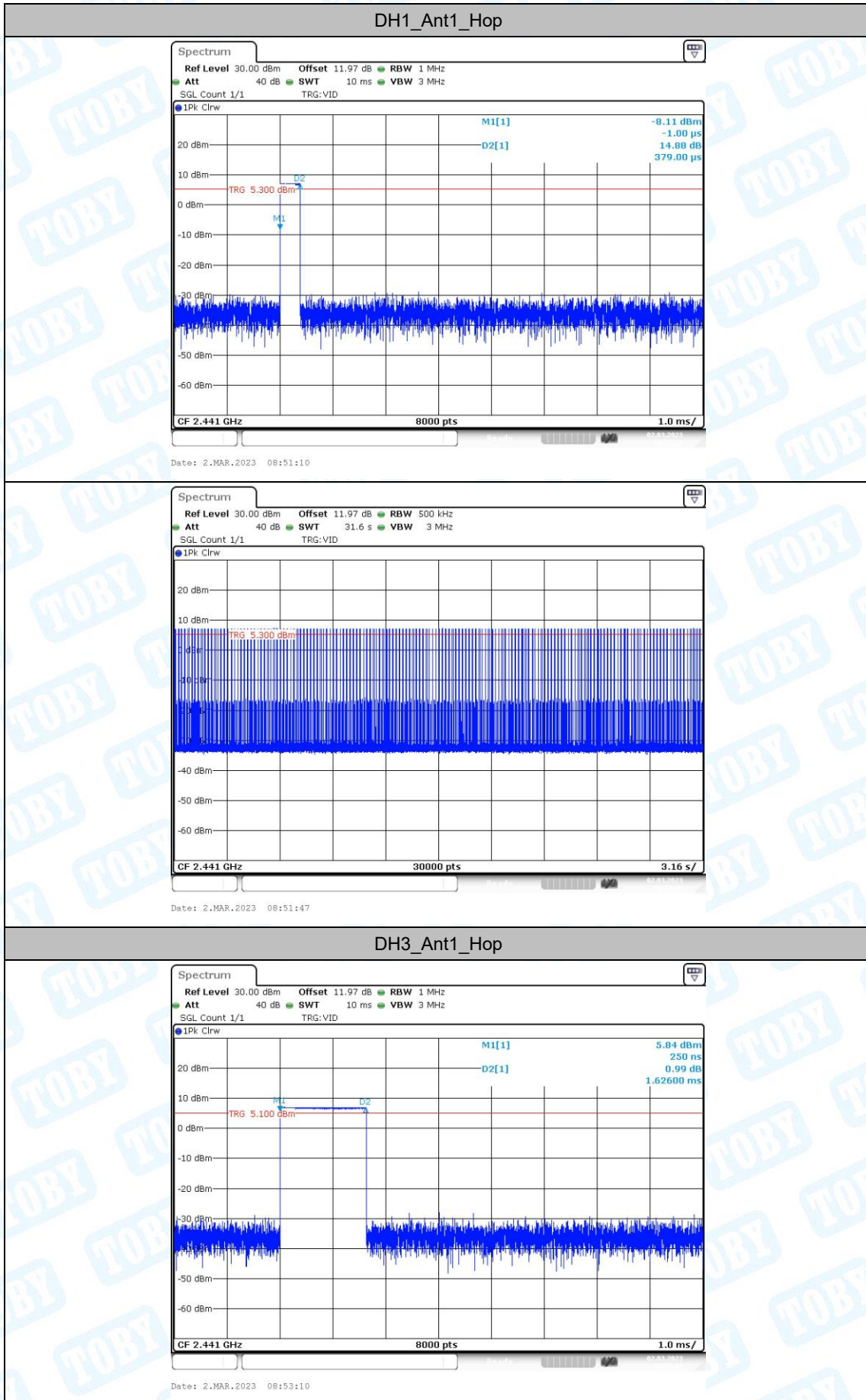


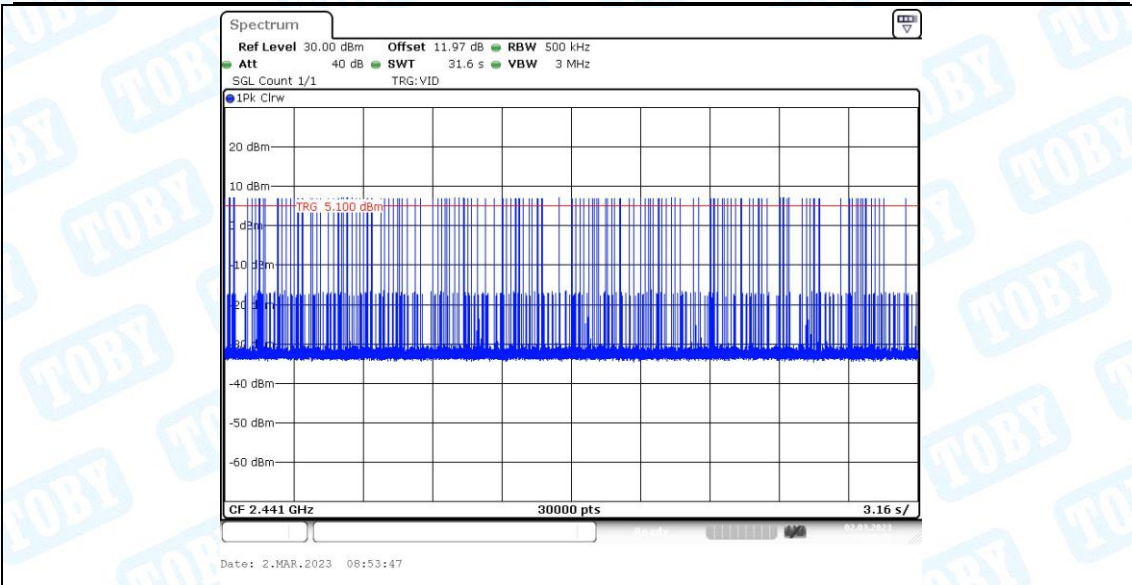
5. Time of occupancy

5.1. Test Result

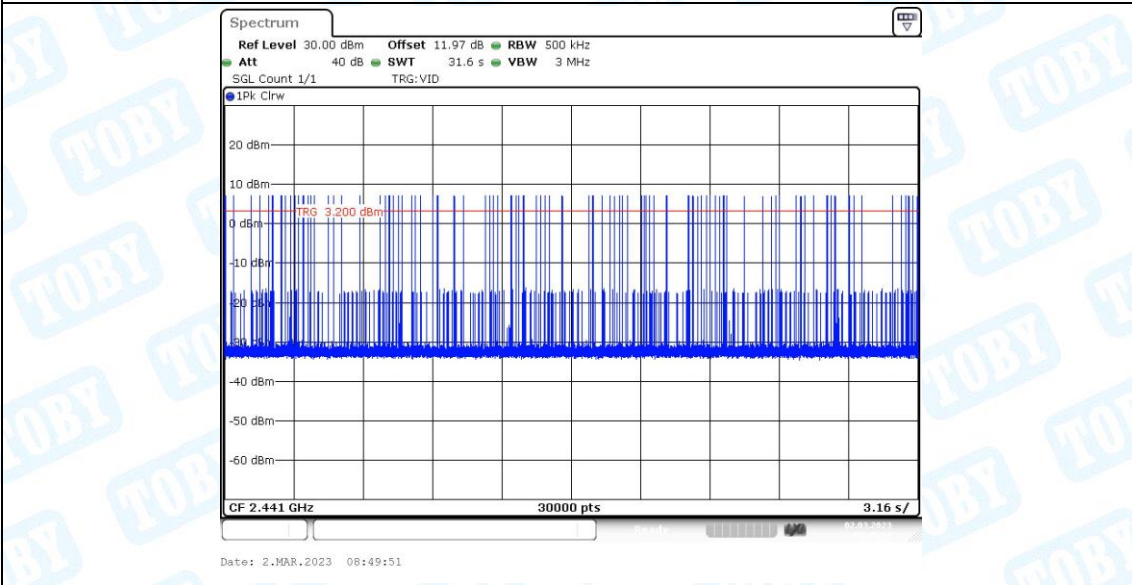
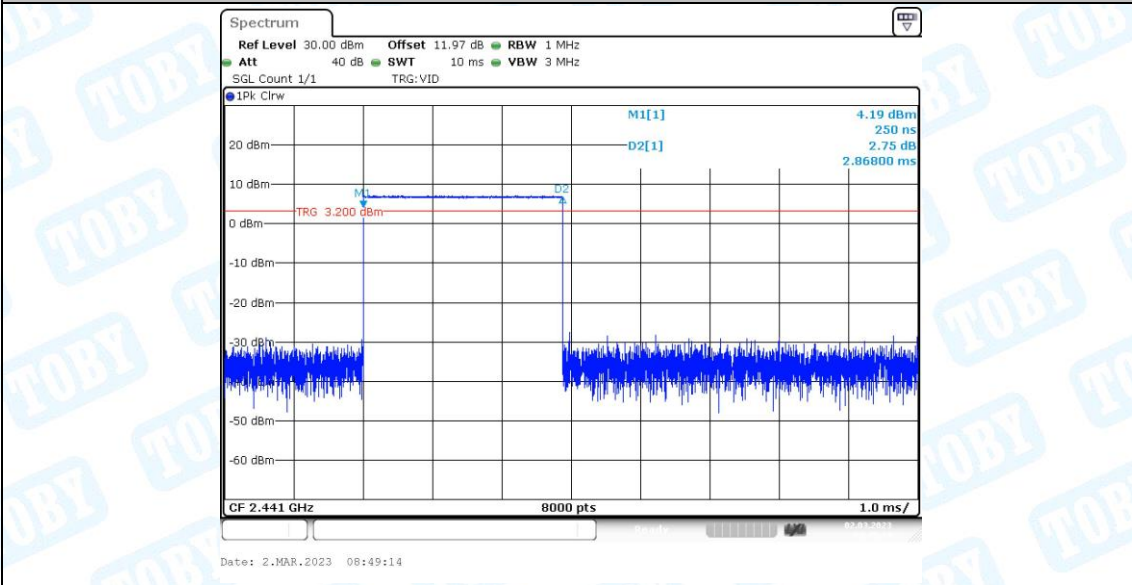
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.379	318	0.121	≤0.4	PASS
DH3	Ant1	Hop	1.626	162	0.263	≤0.4	PASS
DH5	Ant1	Hop	2.868	105	0.301	≤0.4	PASS
2DH1	Ant1	Hop	0.388	316	0.123	≤0.4	PASS
2DH3	Ant1	Hop	1.633	153	0.25	≤0.4	PASS
2DH5	Ant1	Hop	2.872	105	0.302	≤0.4	PASS
3DH1	Ant1	Hop	0.388	318	0.123	≤0.4	PASS
3DH3	Ant1	Hop	1.631	153	0.25	≤0.4	PASS
3DH5	Ant1	Hop	2.874	118	0.339	≤0.4	PASS

5.2. Test Graphs

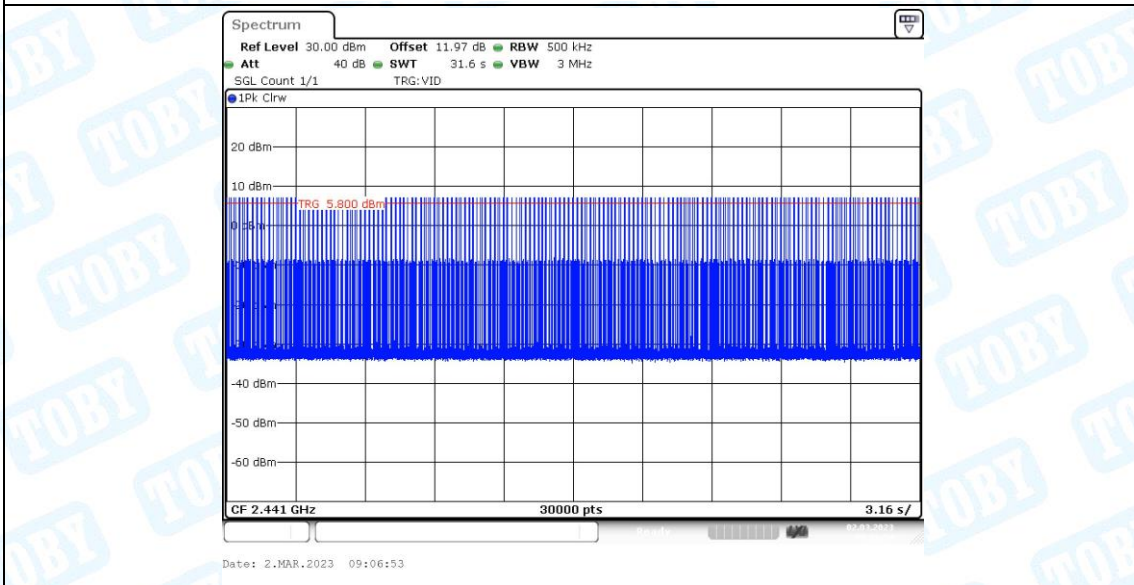
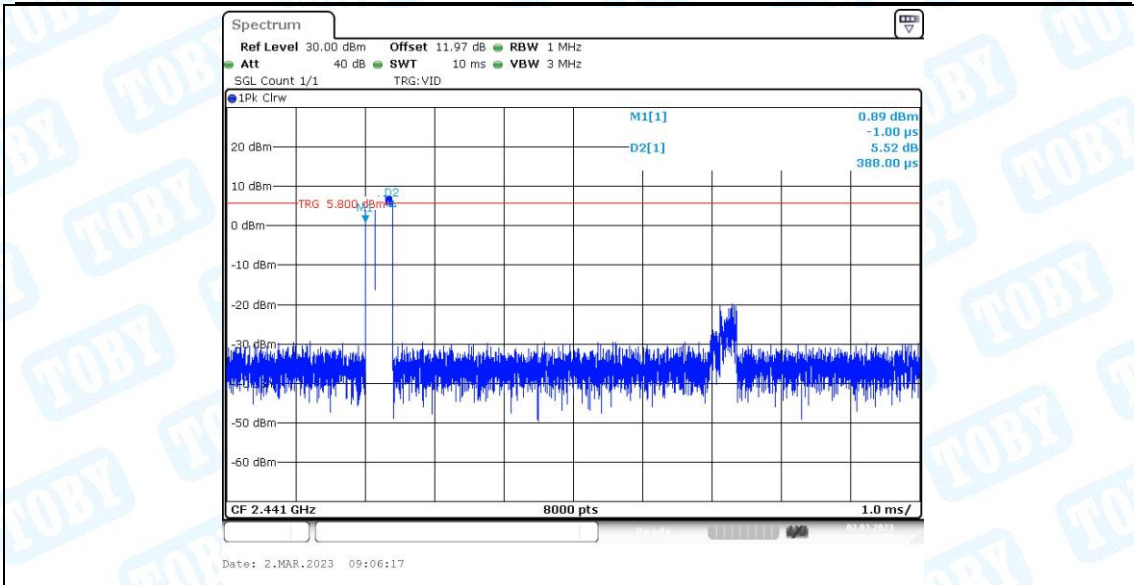




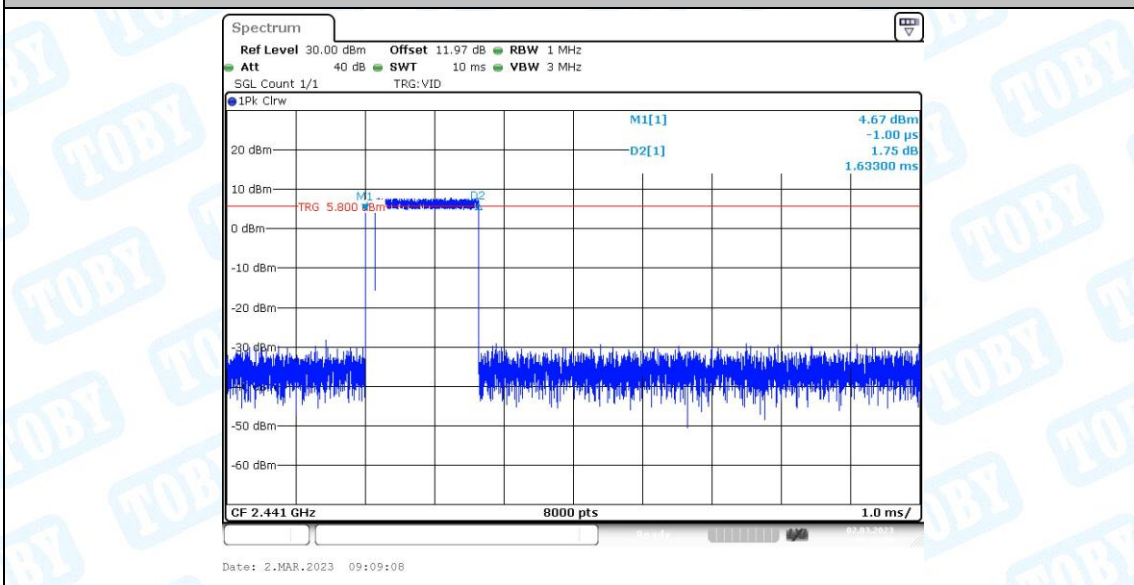
DH5_Ant1_Hop

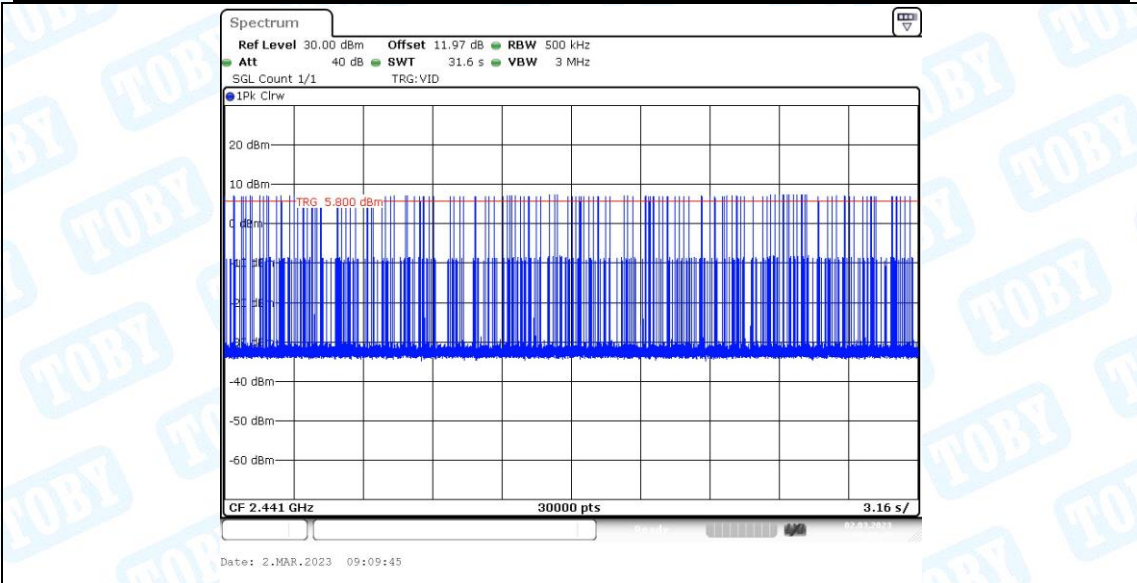


2DH1_Ant1_Hop

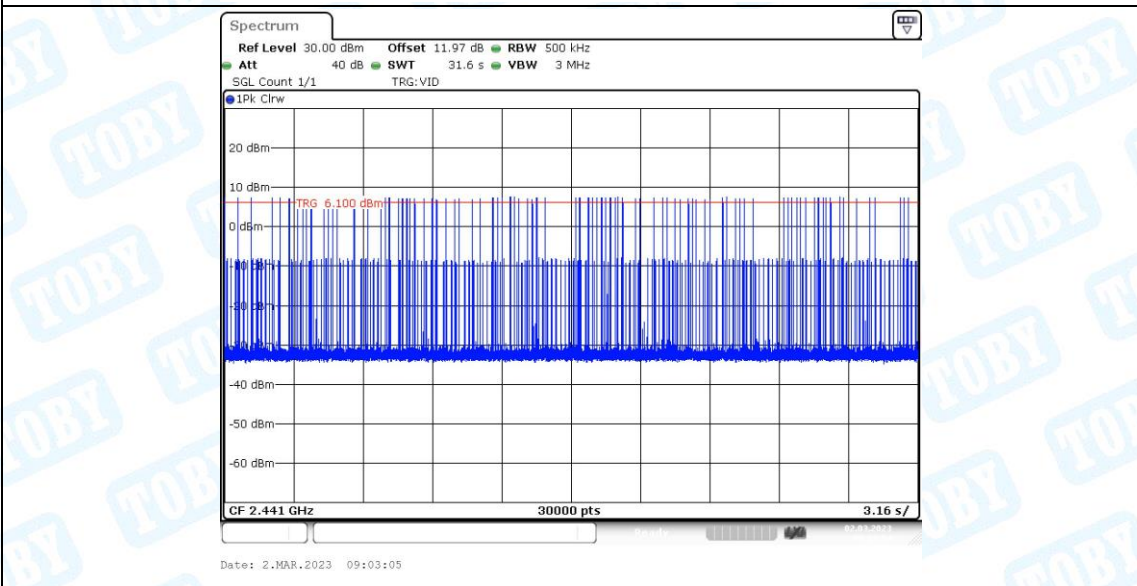
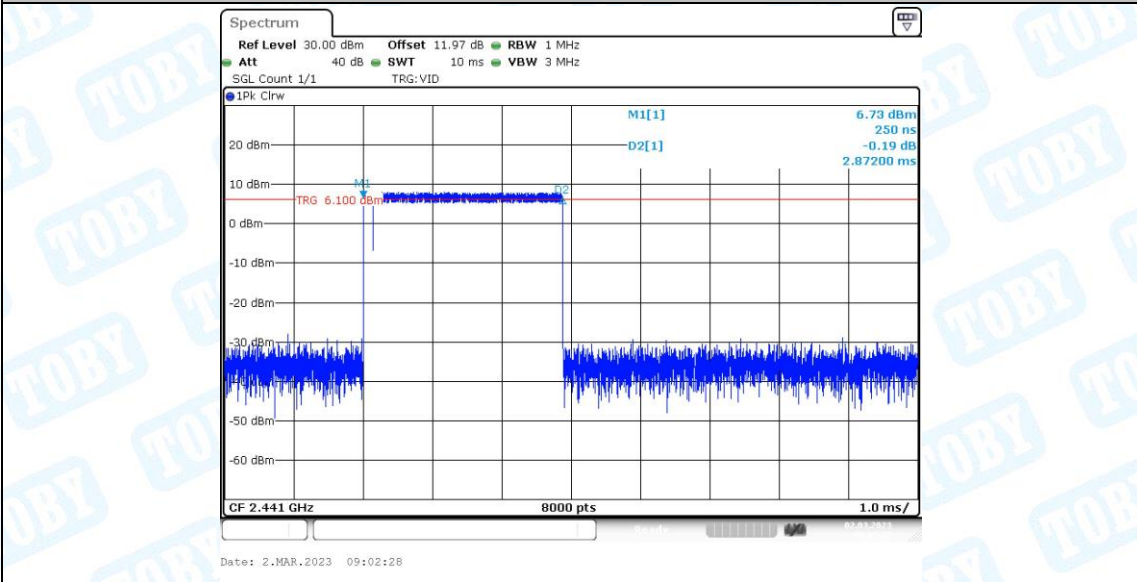


2DH3_Ant1_Hop

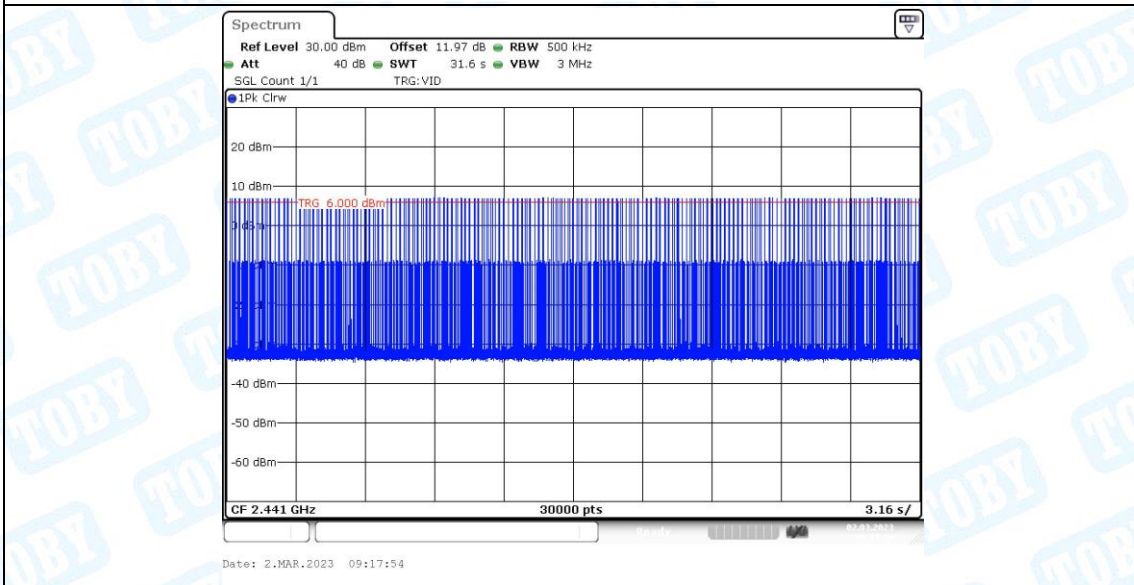
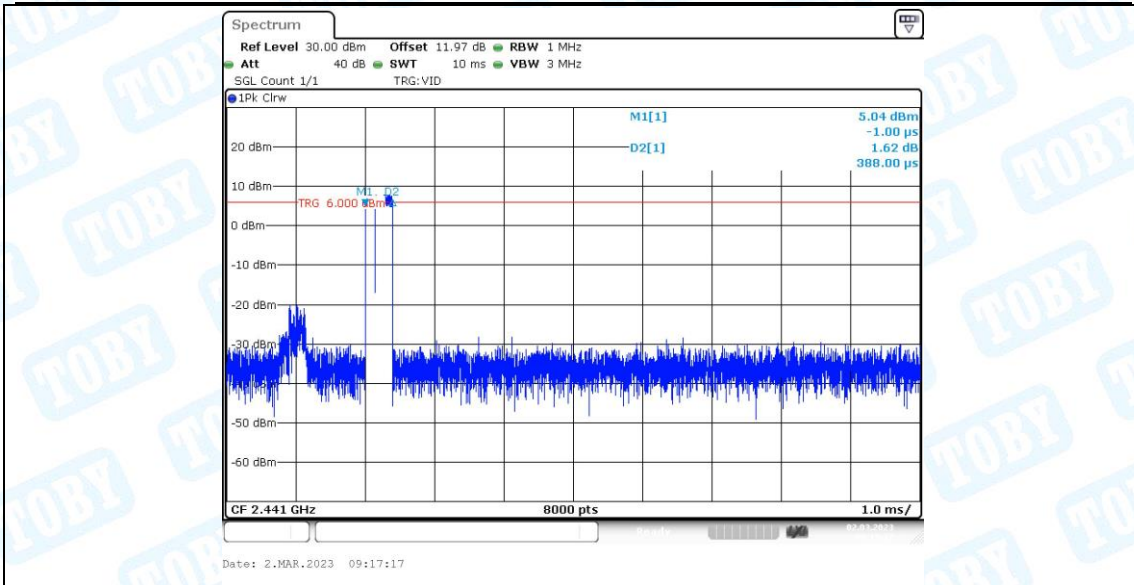




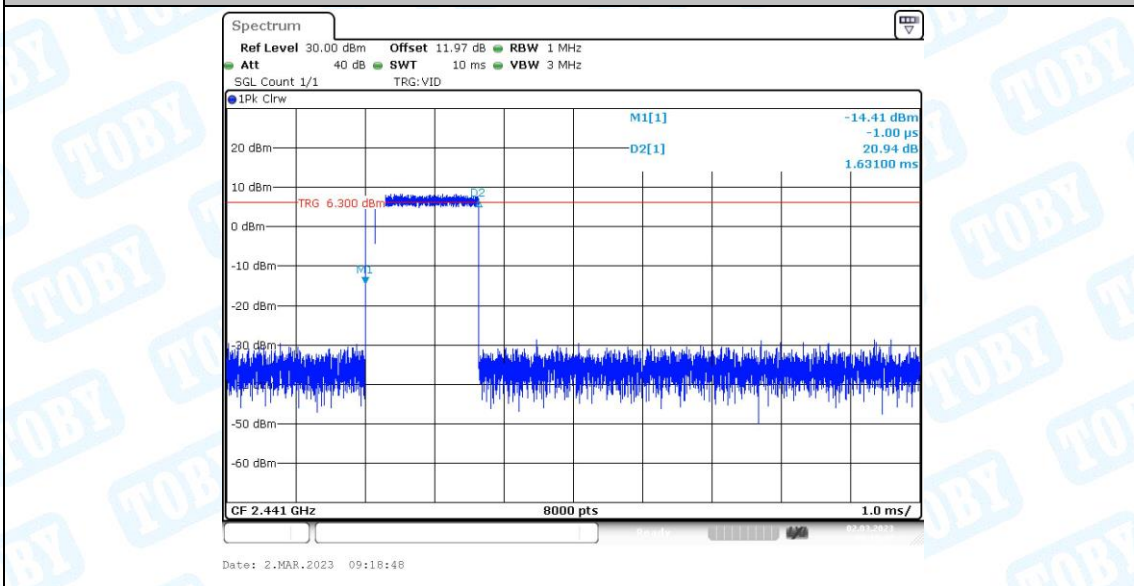
2DH5_Ant1_Hop

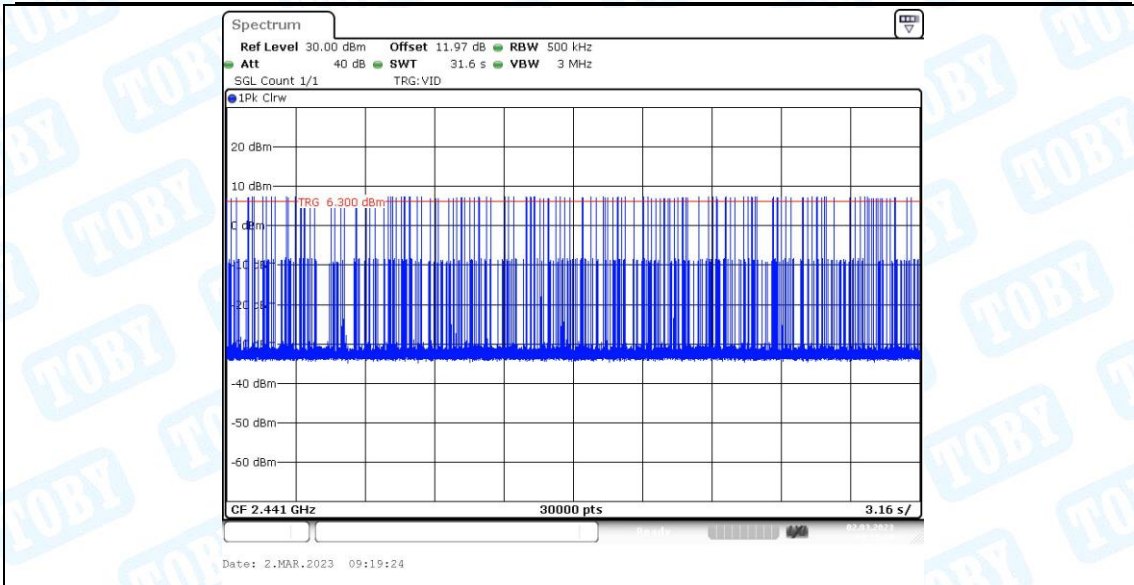


3DH1_Ant1_Hop

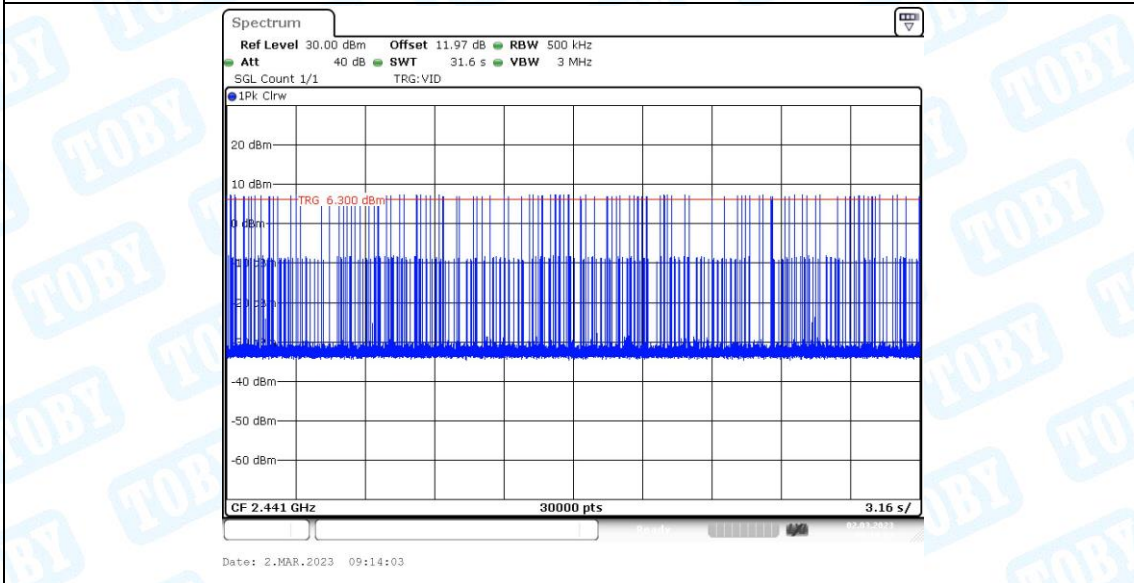
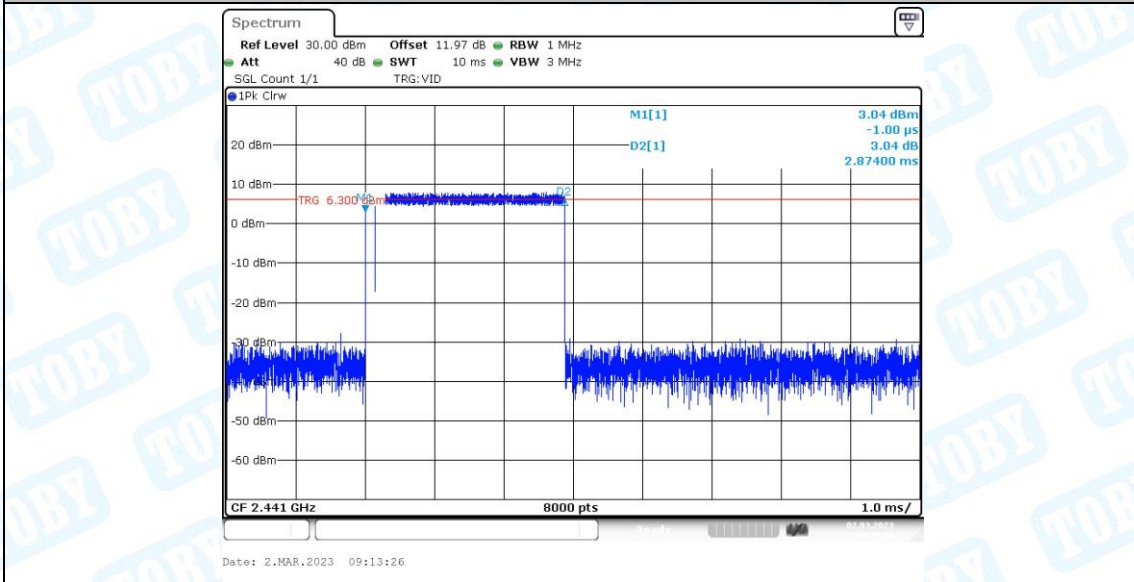


3DH3_Ant1_Hop





3DH5_Ant1_Hop

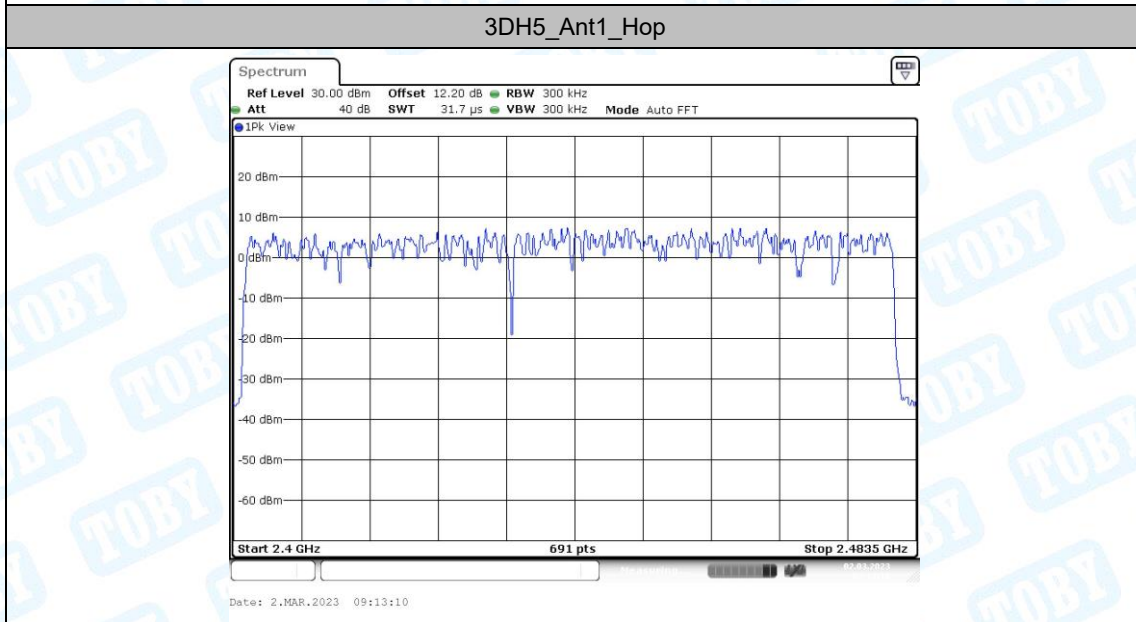
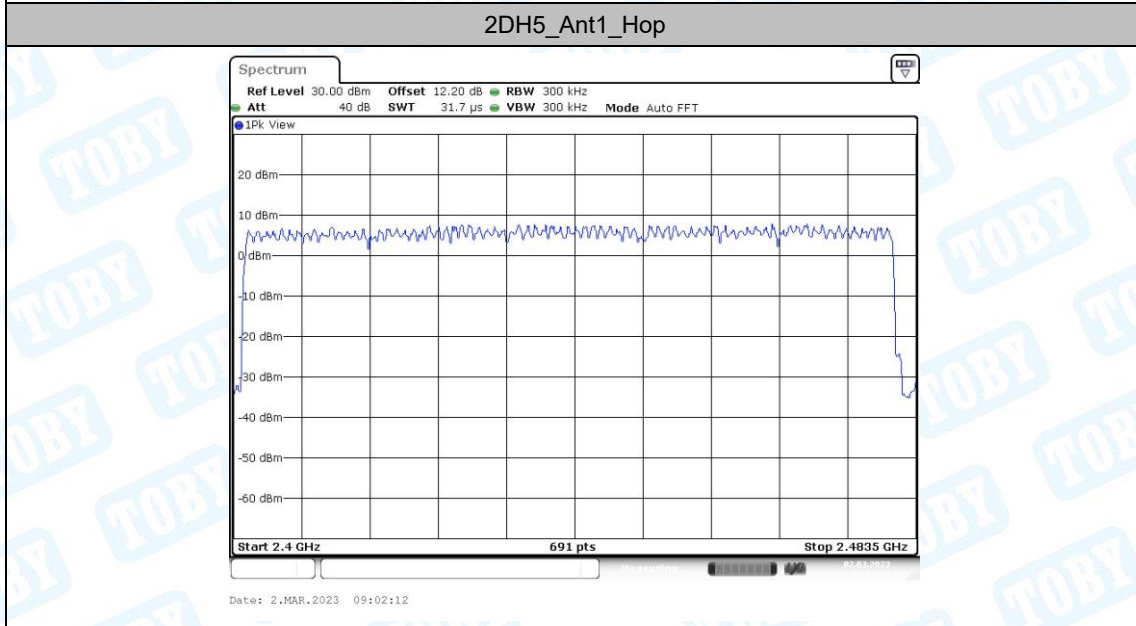
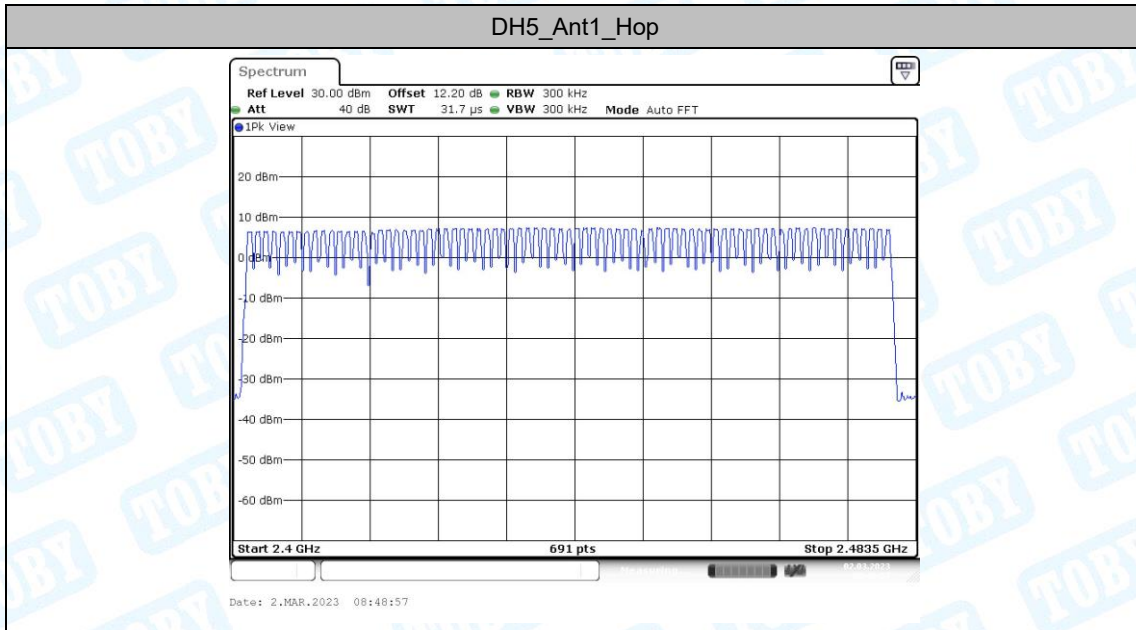


6. Number of hopping channels

6.1. 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

6.2. Test Graphs

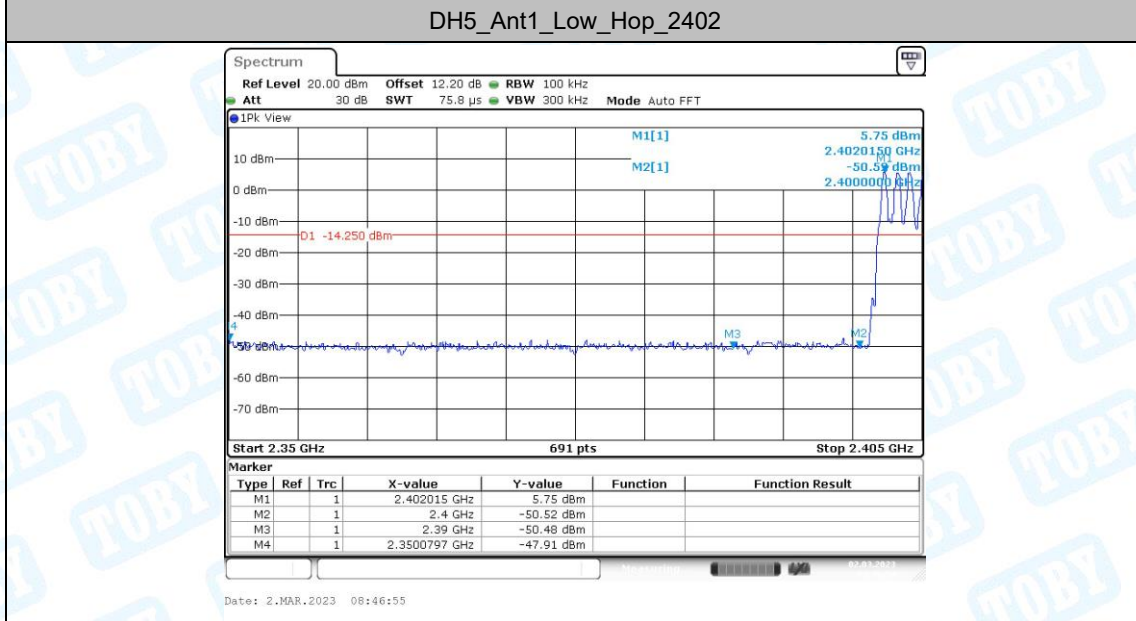
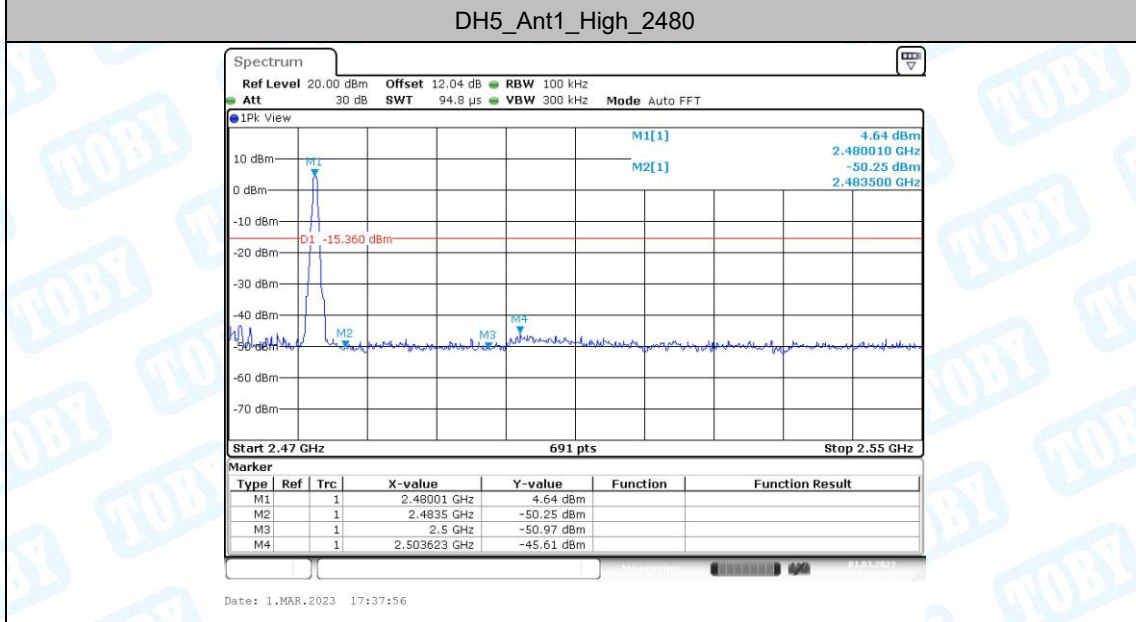
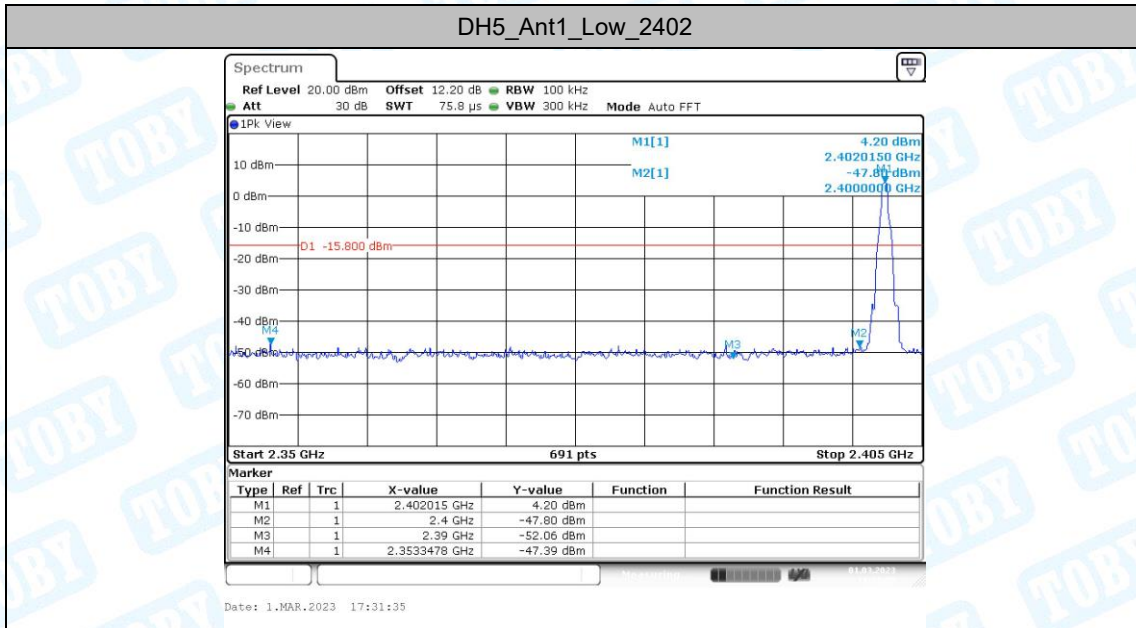


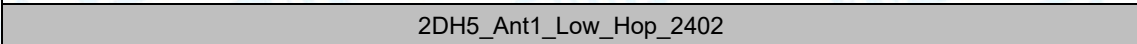
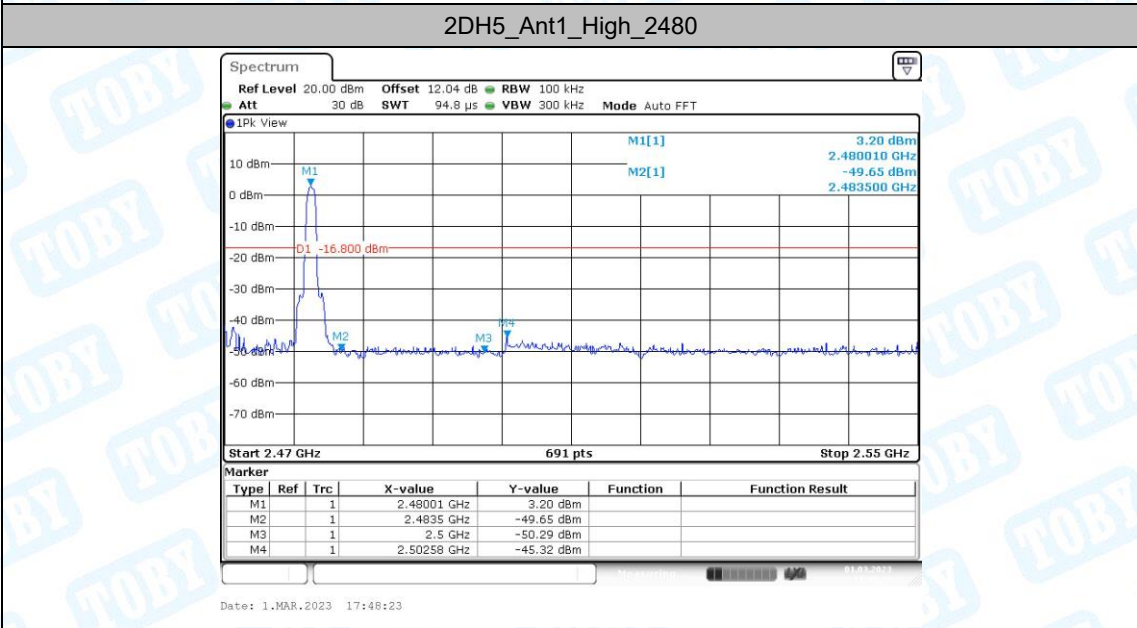
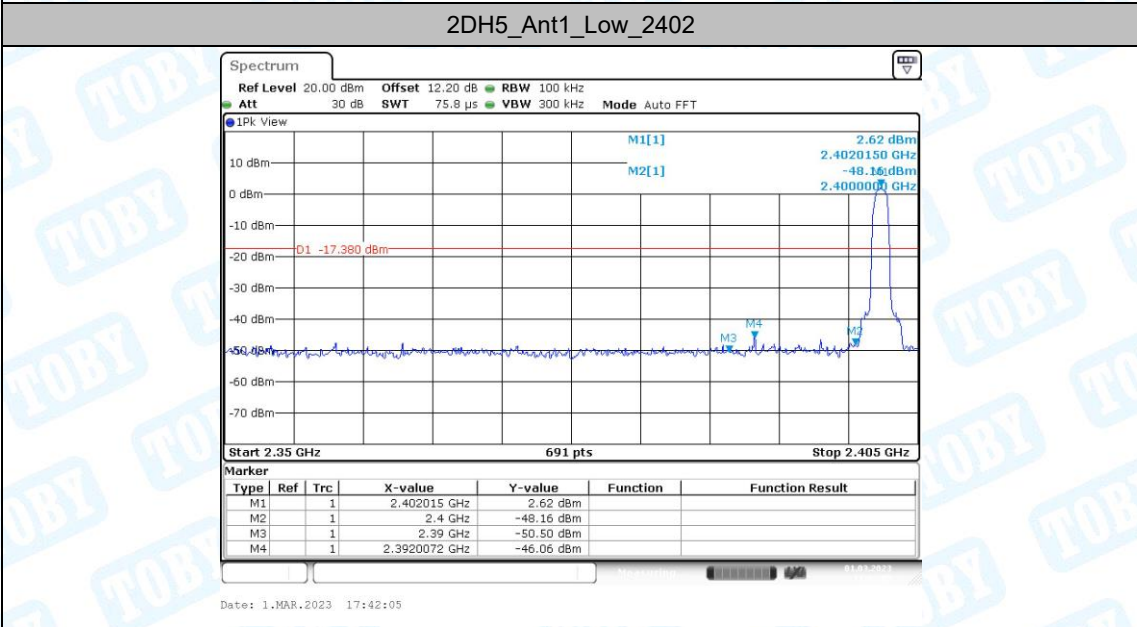
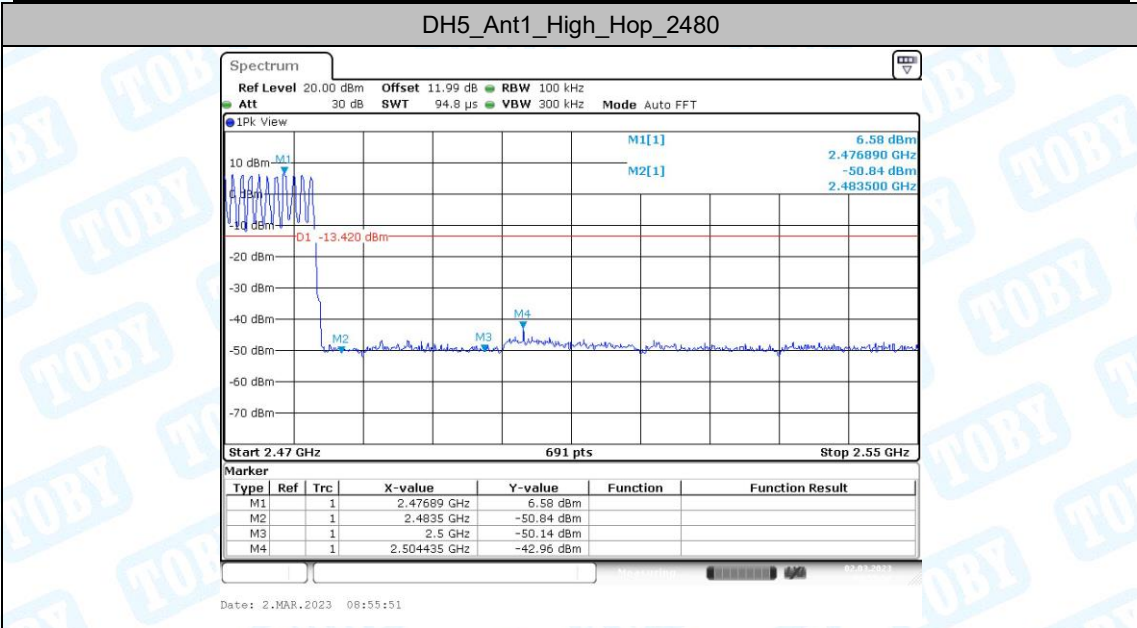
7. Band edge measurements

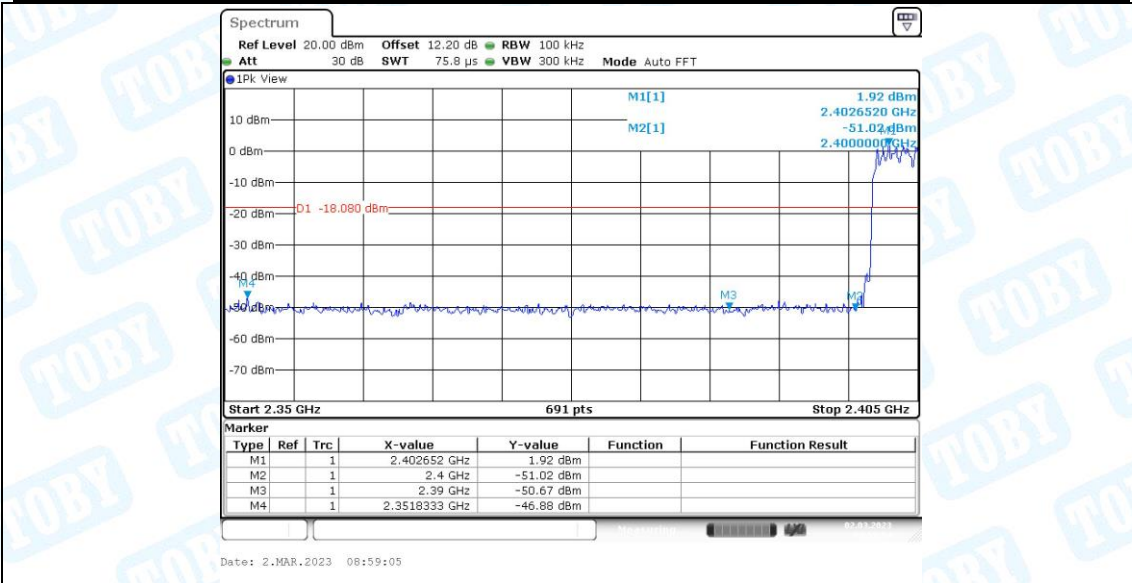
7.1. Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	4.20	-47.39	≤-15.8	PASS
		High	2480	4.64	-45.61	≤-15.36	PASS
		Low	Hop_2402	5.75	-47.91	≤-14.25	PASS
		High	Hop_2480	6.58	-42.96	≤-13.42	PASS
2DH5	Ant1	Low	2402	2.62	-46.06	≤-17.38	PASS
		High	2480	3.20	-45.32	≤-16.8	PASS
		Low	Hop_2402	1.92	-46.88	≤-18.08	PASS
		High	Hop_2480	3.86	-45.62	≤-16.14	PASS
3DH5	Ant1	Low	2402	2.02	-47.45	≤-17.98	PASS
		High	2480	2.74	-45.94	≤-17.26	PASS
		Low	Hop_2402	6.23	-46.99	≤-13.77	PASS
		High	Hop_2480	7.24	-44.89	≤-12.76	PASS

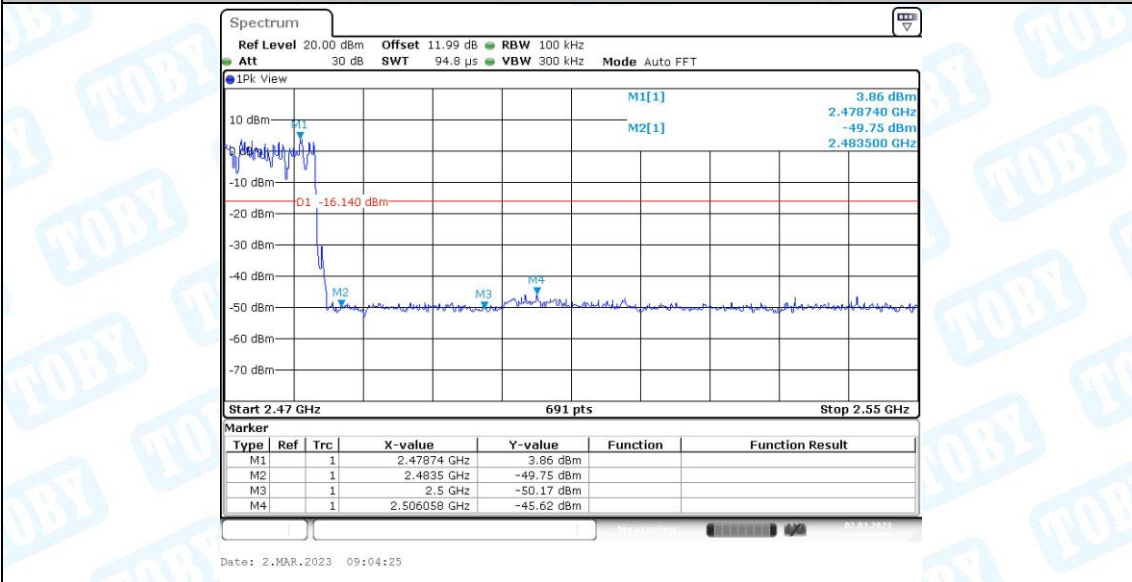
7.2. Test Graphs



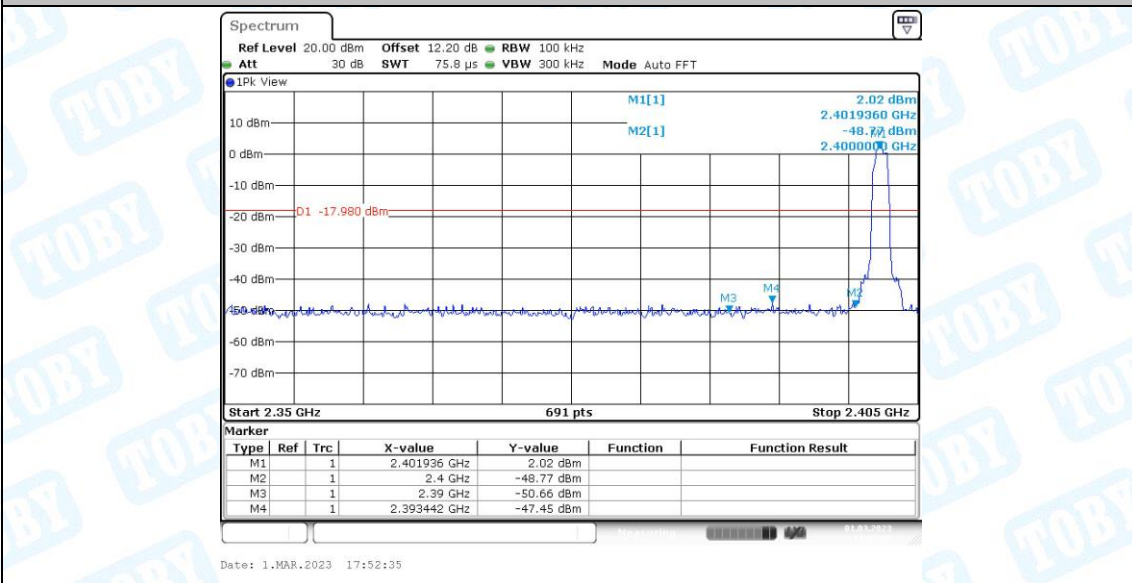




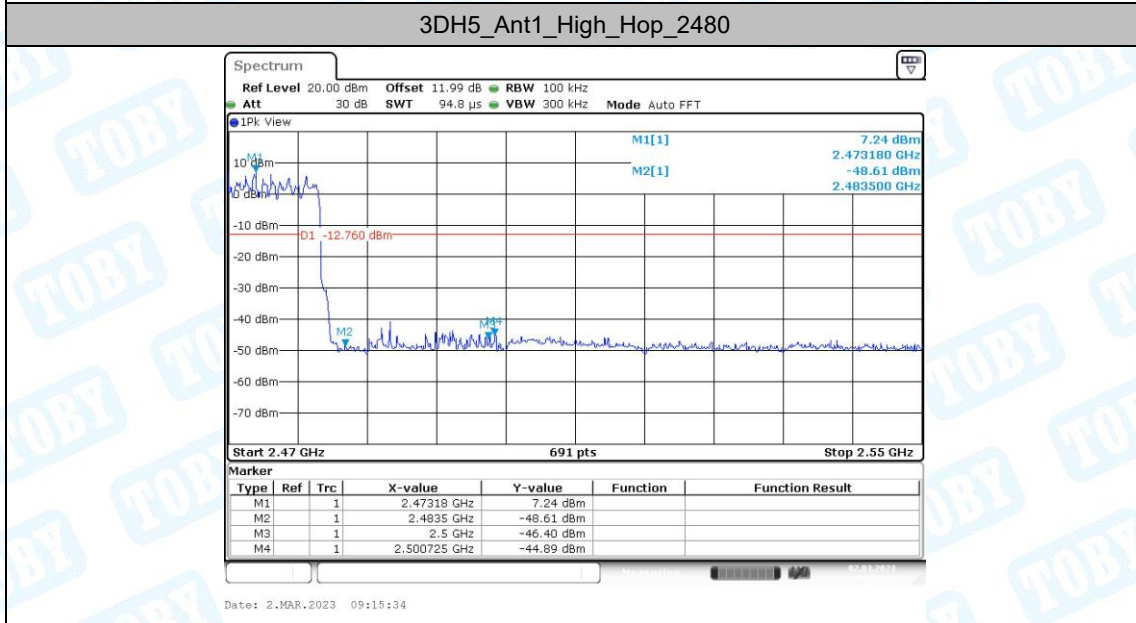
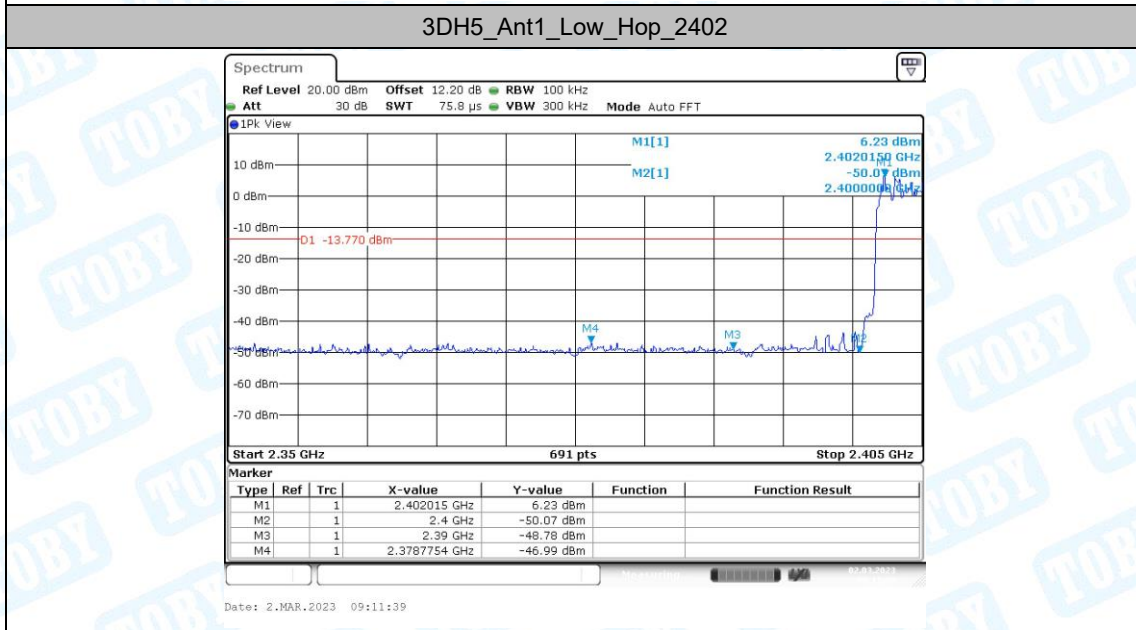
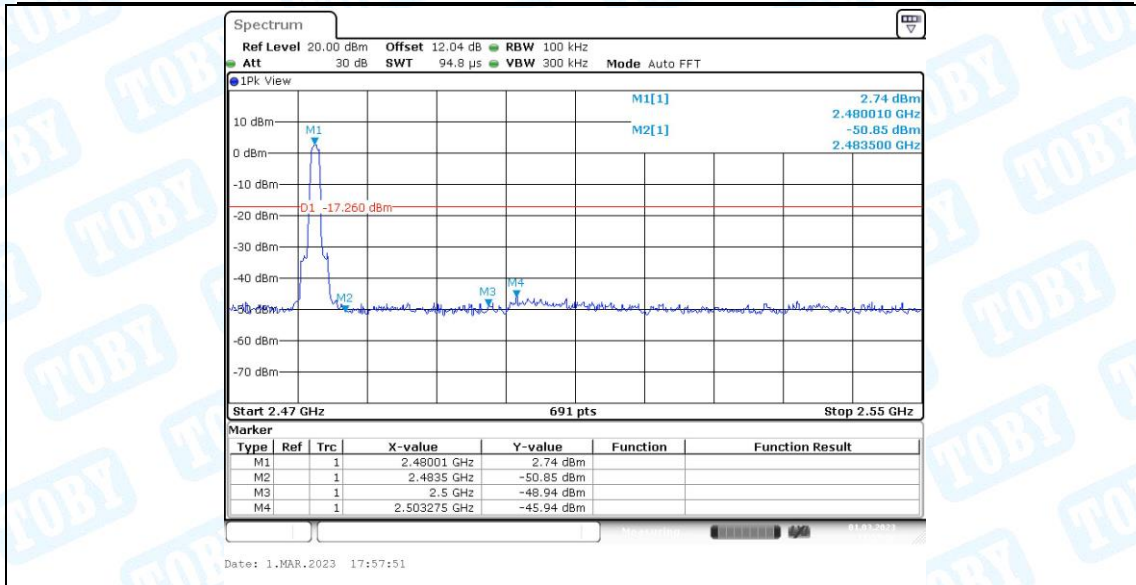
2DH5_Ant1_High_Hop_2480



3DH5_Ant1_Low_2402



3DH5_Ant1_High_2480



8. Conducted Spurious Emission

8.1. Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	4.08	4.08	---	PASS
			30~1000	4.08	-57.12	≤-15.92	PASS
			1000~26500	4.08	-48.67	≤-15.92	PASS
		2441	Reference	5.18	5.18	---	PASS
			30~1000	5.18	-57.72	≤-14.82	PASS
			1000~26500	5.18	-48.96	≤-14.82	PASS
		2480	Reference	4.53	4.53	---	PASS
			30~1000	4.53	-57.6	≤-15.47	PASS
			1000~26500	4.53	-49.13	≤-15.47	PASS
2DH5	Ant1	2402	Reference	2.54	2.54	---	PASS
			30~1000	2.54	-53.9	≤-17.46	PASS
			1000~26500	2.54	-48.5	≤-17.46	PASS
		2441	Reference	3.46	3.46	---	PASS
			30~1000	3.46	-56.58	≤-16.54	PASS
			1000~26500	3.46	-48.7	≤-16.54	PASS
		2480	Reference	3.42	3.42	---	PASS
			30~1000	3.42	-55.79	≤-16.58	PASS
			1000~26500	3.42	-49.24	≤-16.58	PASS
3DH5	Ant1	2402	Reference	2.11	2.11	---	PASS
			30~1000	2.11	-57.12	≤-17.89	PASS
			1000~26500	2.11	-48.67	≤-17.89	PASS
		2441	Reference	2.95	2.95	---	PASS
			30~1000	2.95	-56.89	≤-17.05	PASS
			1000~26500	2.95	-44.96	≤-17.05	PASS
		2480	Reference	2.75	2.75	---	PASS
			30~1000	2.75	-57	≤-17.25	PASS
			1000~26500	2.75	-49.02	≤-17.25	PASS

8.2. Test Graphs

