

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

General Description of EUT	
Product Name:	Wireless Speakerphone
Test Model:	KS-BU2B
Sample ID:	RW-C-202205-0360-4-2#
Environmental Conditions	
Temperature:	25℃
Relative Humidity:	55%
Test Voltage:	DC 3.7V
Test Engineer:	Huangjianping
Note: For a more detailed features description, please refer to the report TBR-C-202205-0360-4.	

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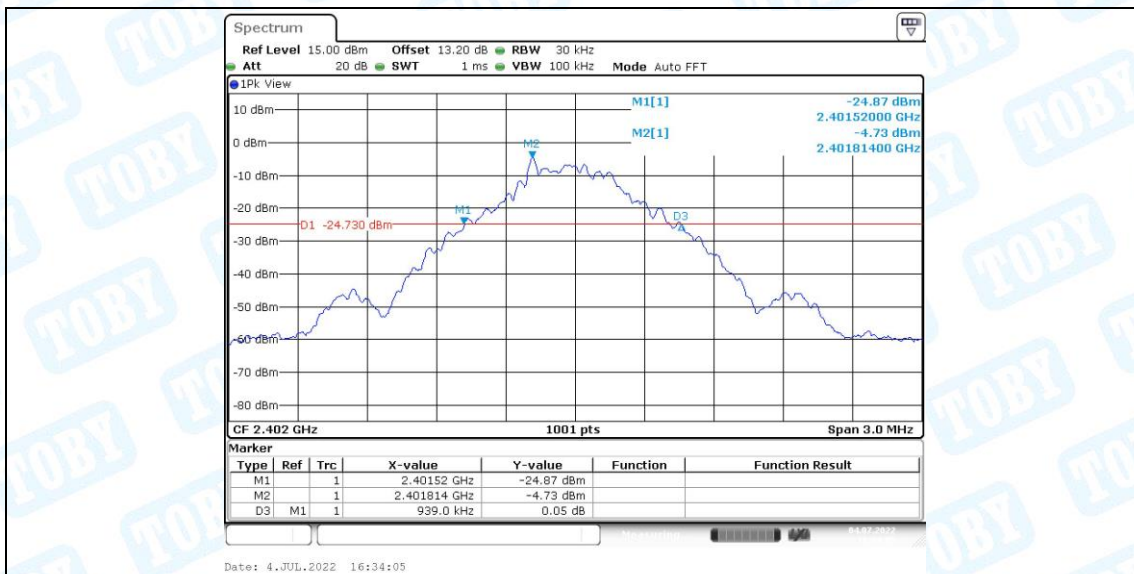
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1. 20dB Emission Bandwidth

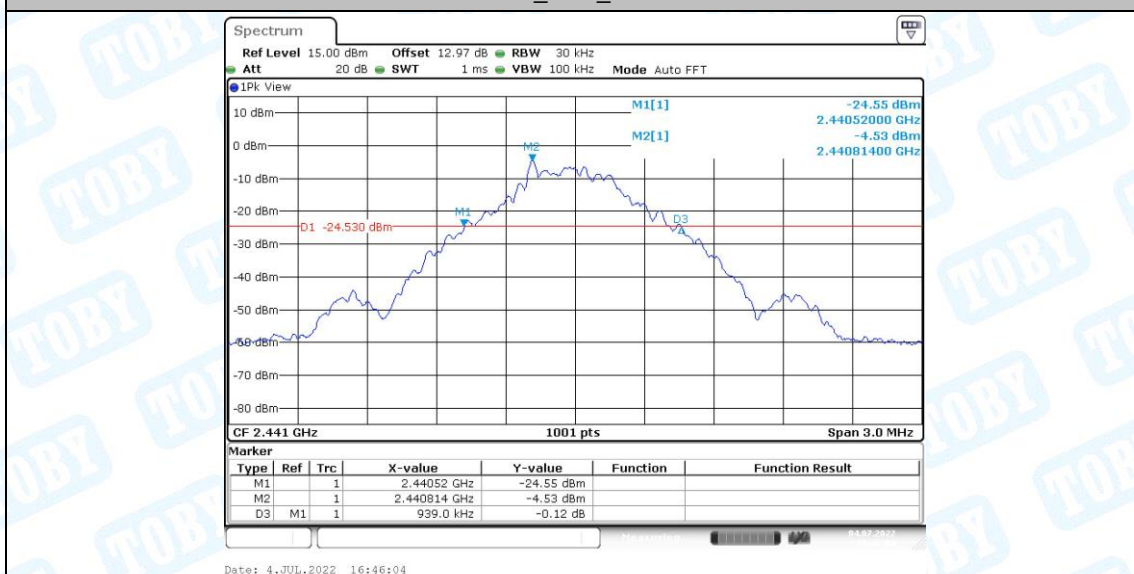
1.1. Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.94	---	---
		2441	0.94	---	---
		2480	0.94	---	---
2DH5	Ant1	2402	1.28	---	---
		2441	1.28	---	---
		2480	1.28	---	---
3DH5	Ant1	2402	1.24	---	---
		2441	1.24	---	---
		2480	1.24	---	---

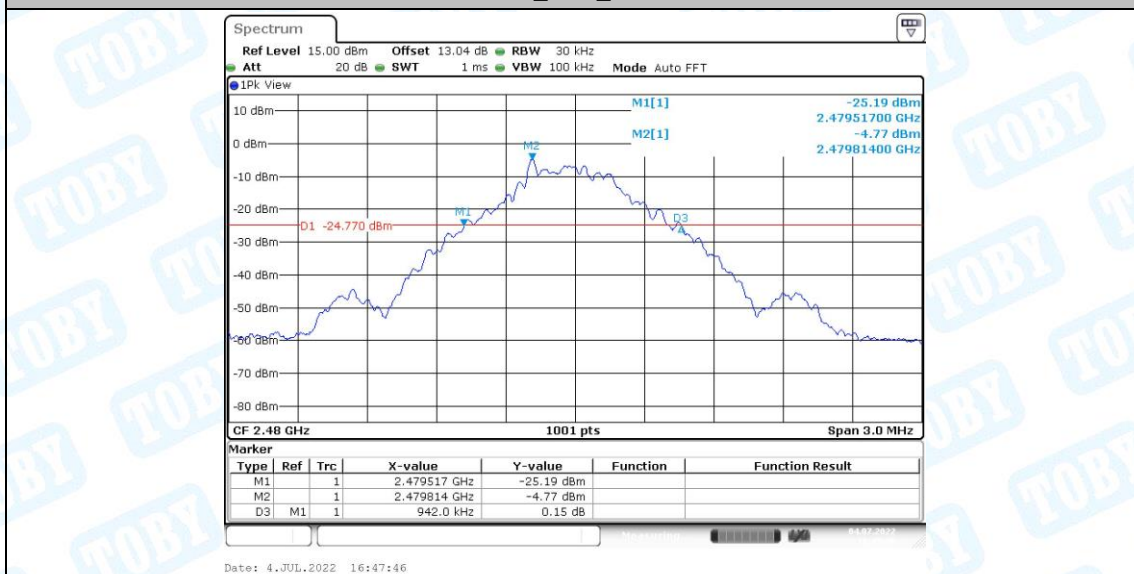
1.2. Test Graphs



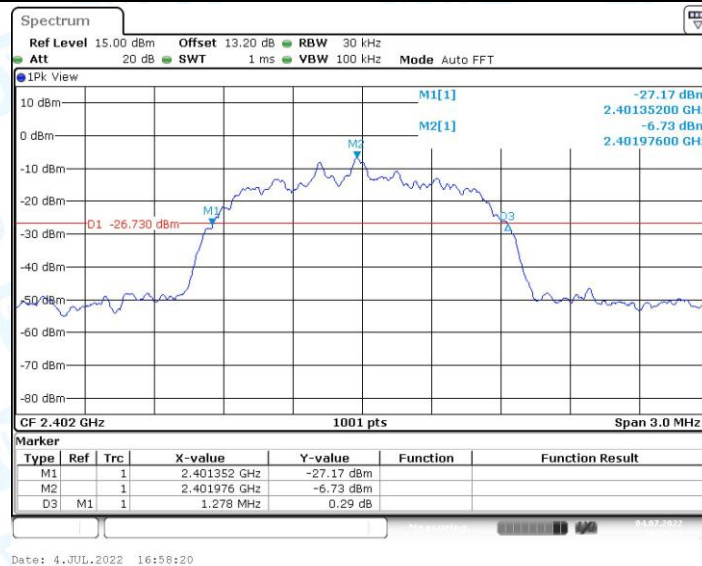
DH5_Ant1_2402



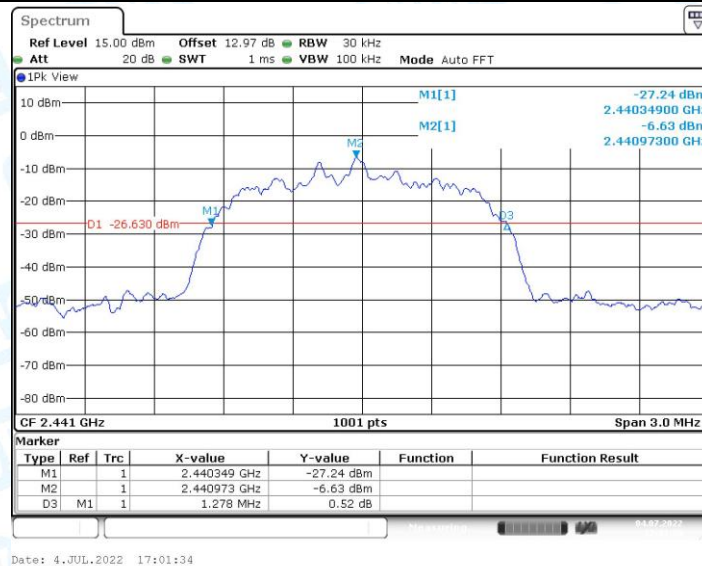
DH5_Ant1_2441



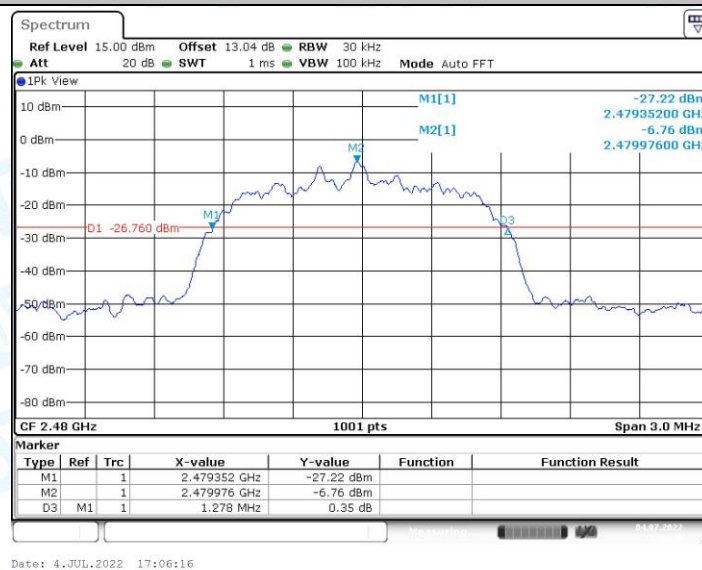
DH5_Ant1_2480



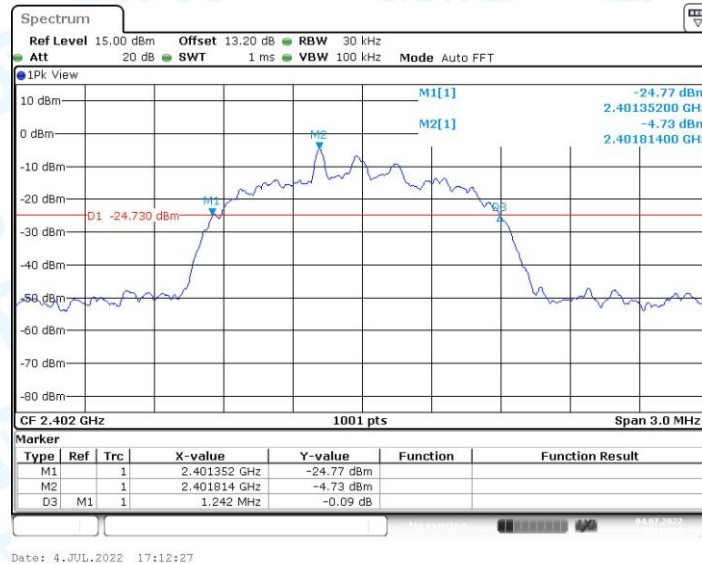
2DH5_Ant1_2402



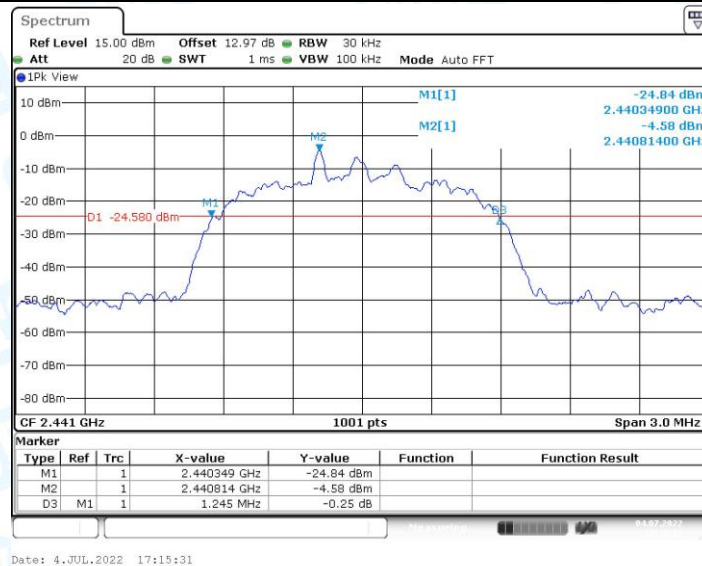
2DH5_Ant1_2441



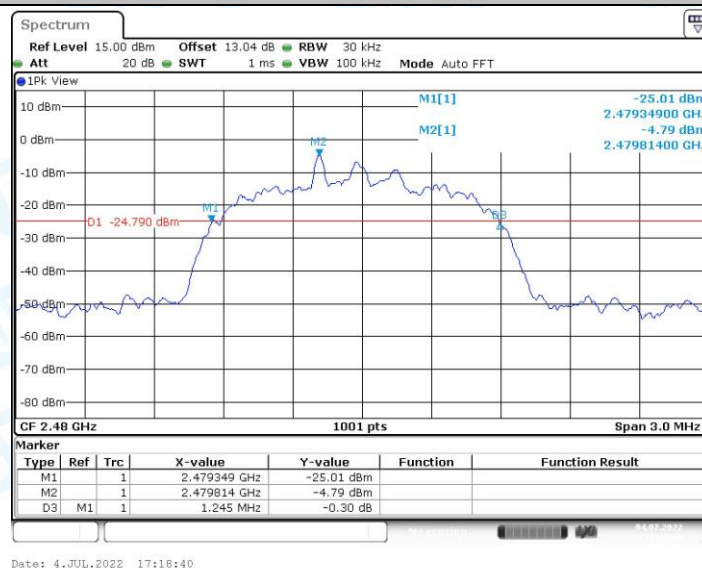
2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



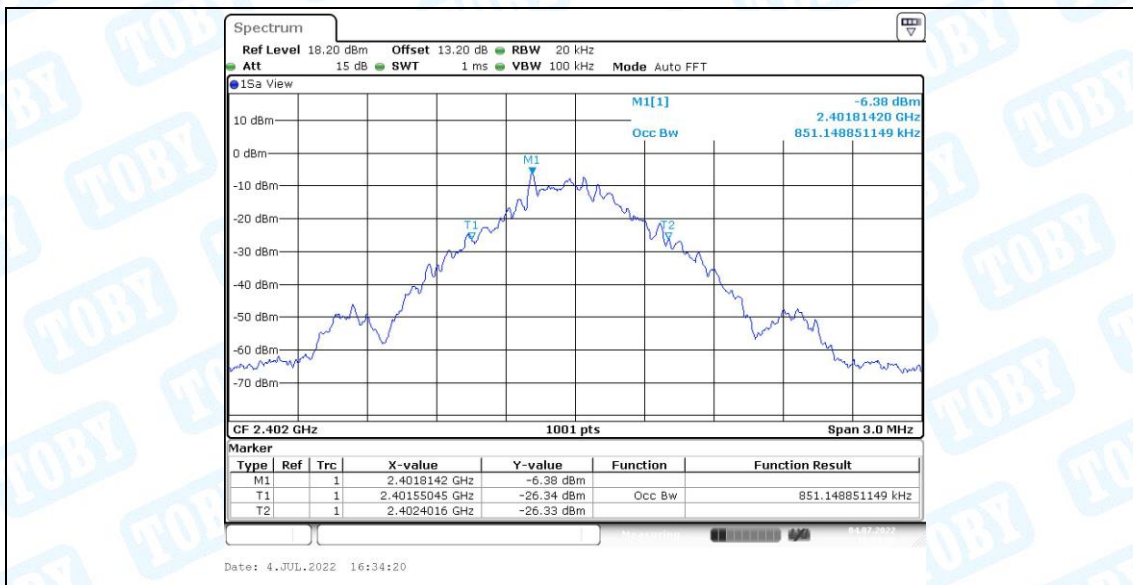
3DH5_Ant1_2480

2. Occupied Channel Bandwidth

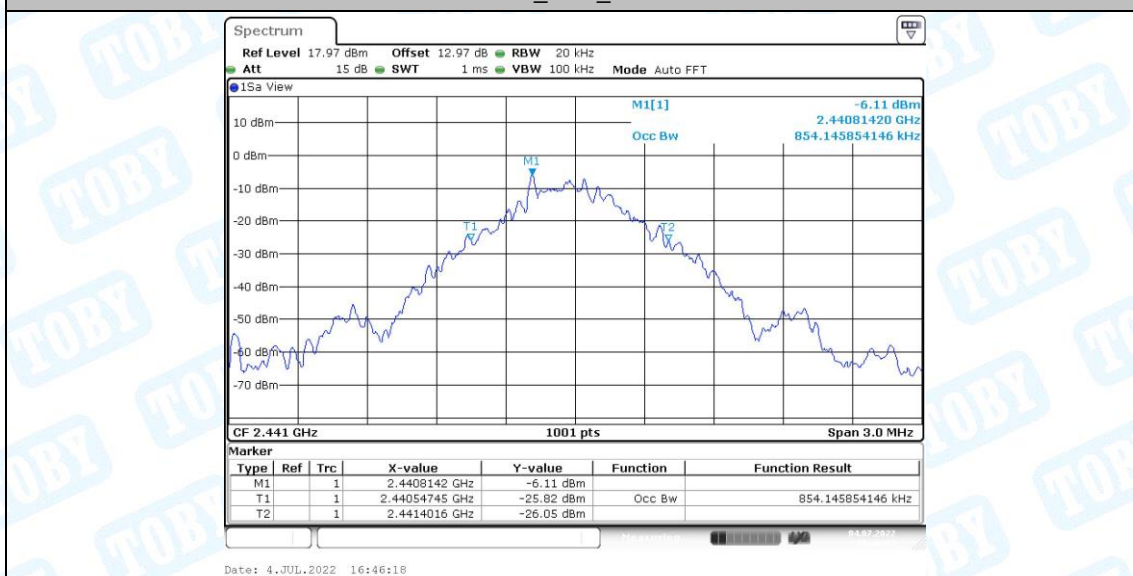
2.1. Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.851	2401.550	2402.402	---	---
		2441	0.854	2440.547	2441.402	---	---
		2480	0.848	2479.550	2480.399	---	---
2DH5	Ant1	2402	1.163	2401.398	2402.560	---	---
		2441	1.163	2440.395	2441.557	---	---
		2480	1.163	2479.398	2480.560	---	---
3DH5	Ant1	2402	1.154	2401.404	2402.557	---	---
		2441	1.151	2440.404	2441.554	---	---
		2480	1.151	2479.404	2480.554	---	---

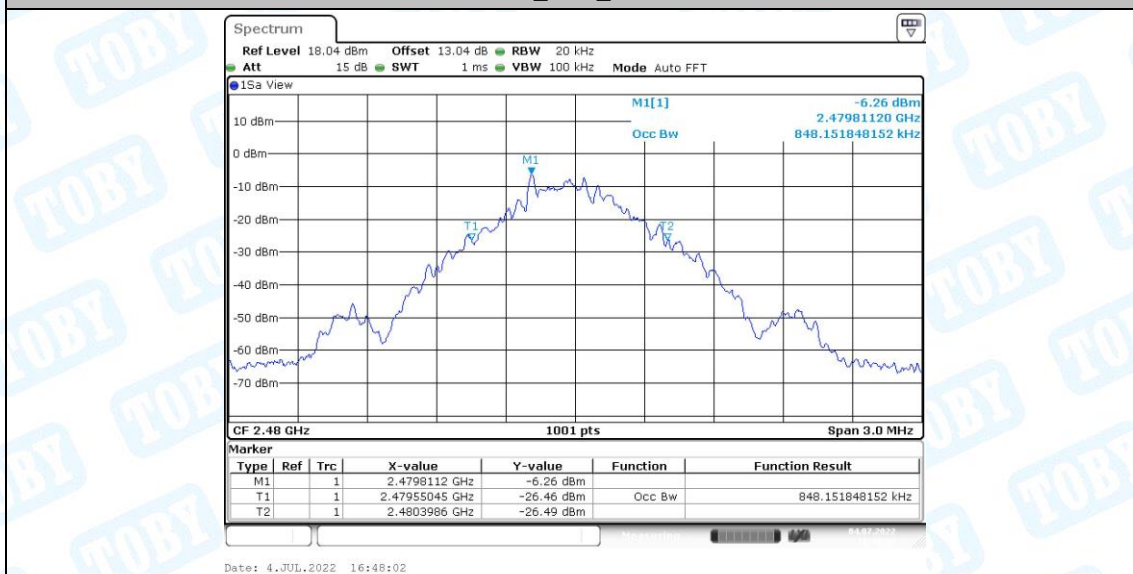
2.2. Test Graphs



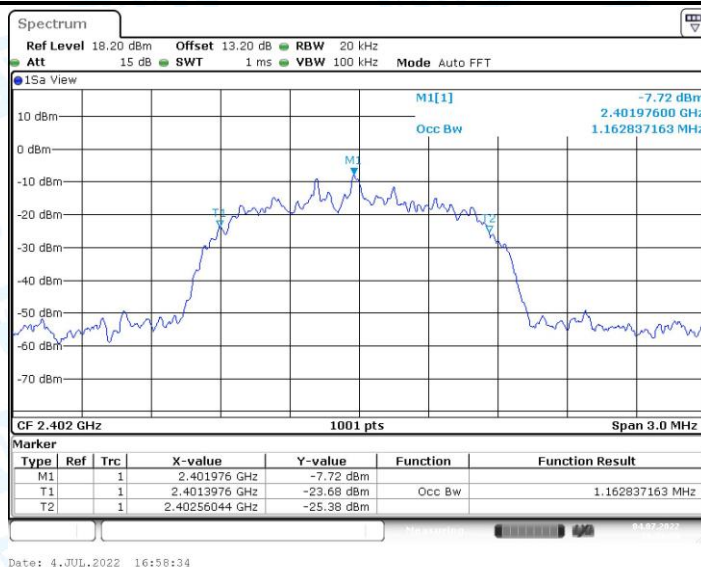
DH5_Ant1_2402



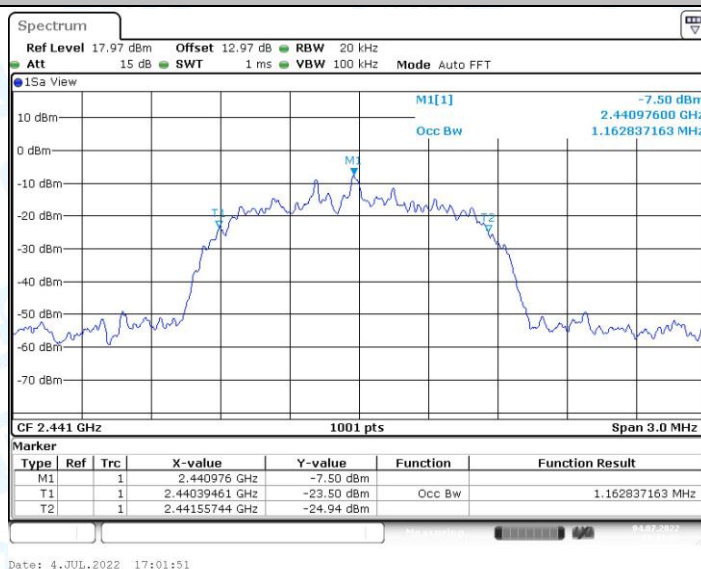
DH5_Ant1_2441



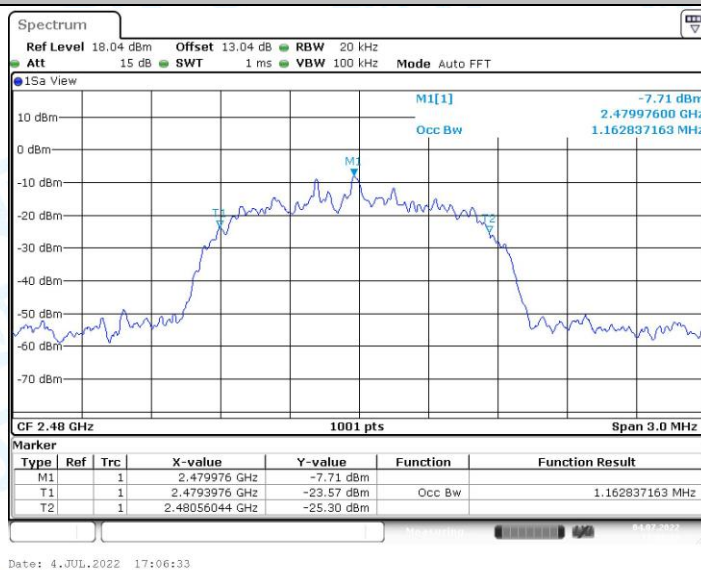
DH5_Ant1_2480



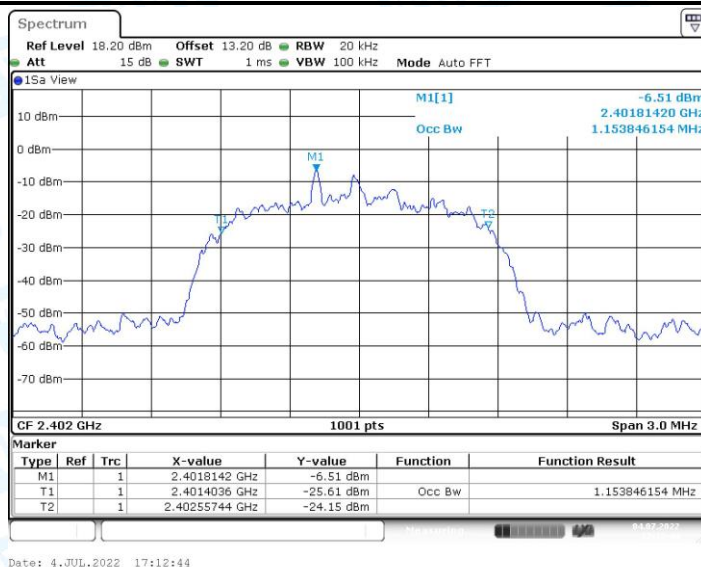
2DH5_Ant1_2402



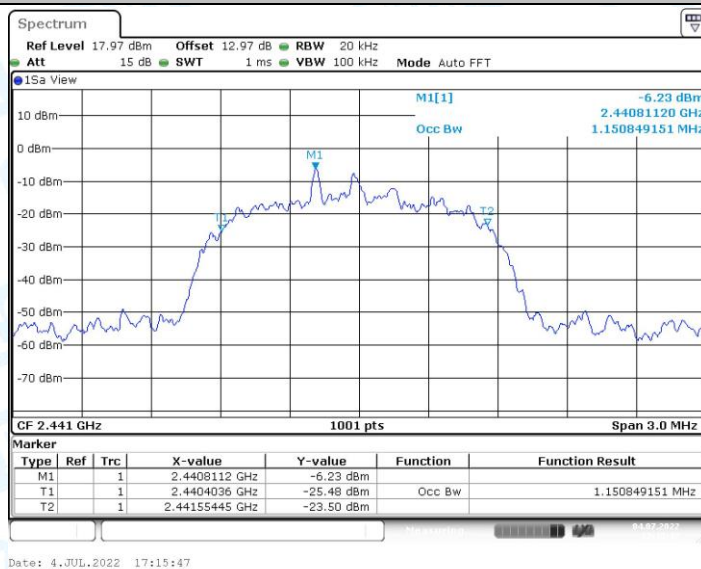
2DH5_Ant1_2441



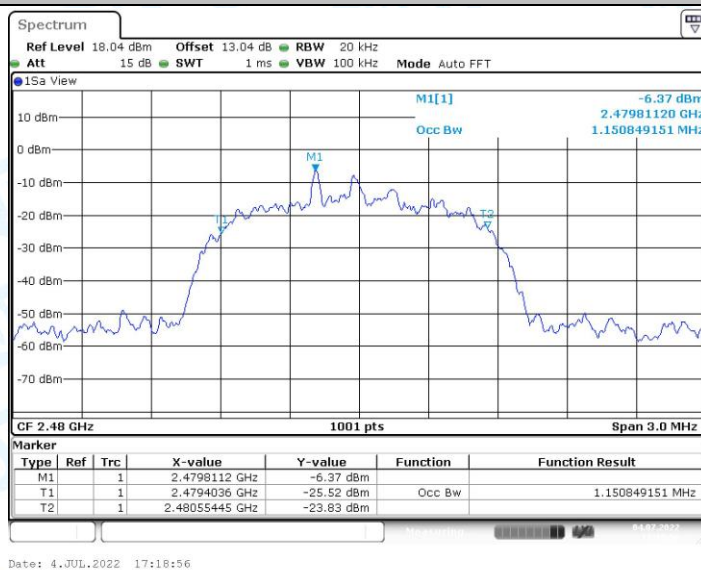
2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

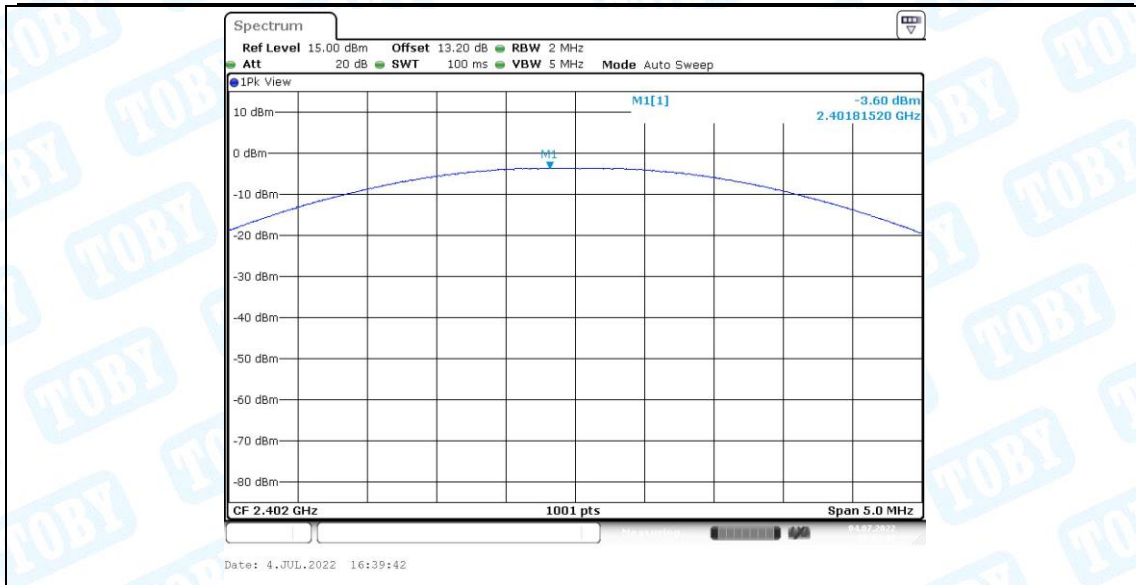
3. Maximum conducted output power

3.1. Test Result

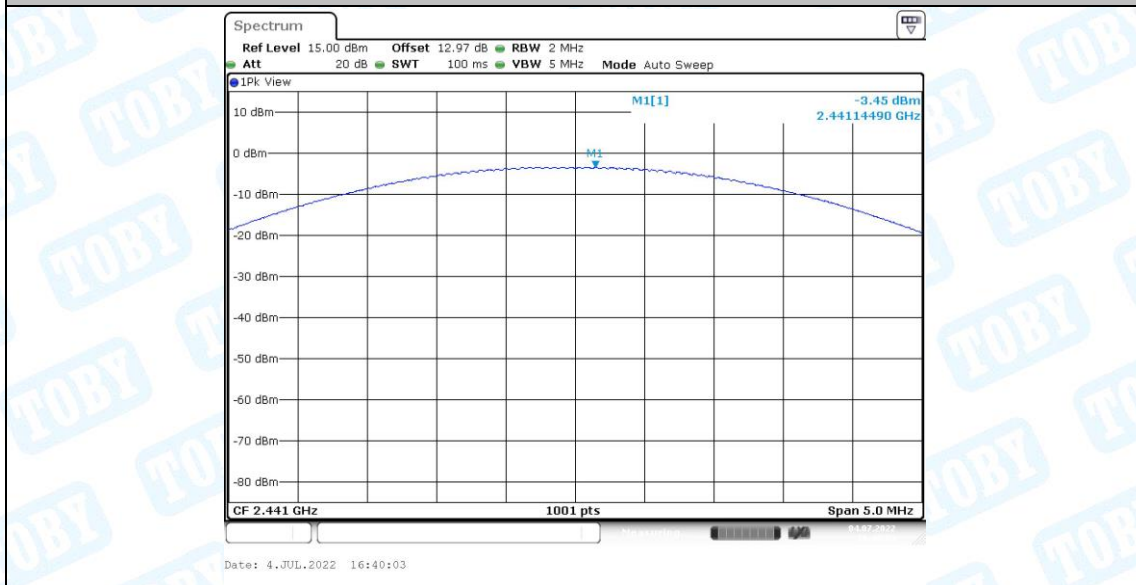
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-3.56	≤21	PASS
		2441	-3.41	≤21	PASS
		2480	-3.56	≤21	PASS
2DH5	Ant1	2402	-3.6	≤21	PASS
		2441	-3.45	≤21	PASS
		2480	-3.62	≤21	PASS
3DH5	Ant1	2402	-3.56	≤21	PASS
		2441	-3.41	≤21	PASS
		2480	-3.59	≤21	PASS

3.2. Test Graphs

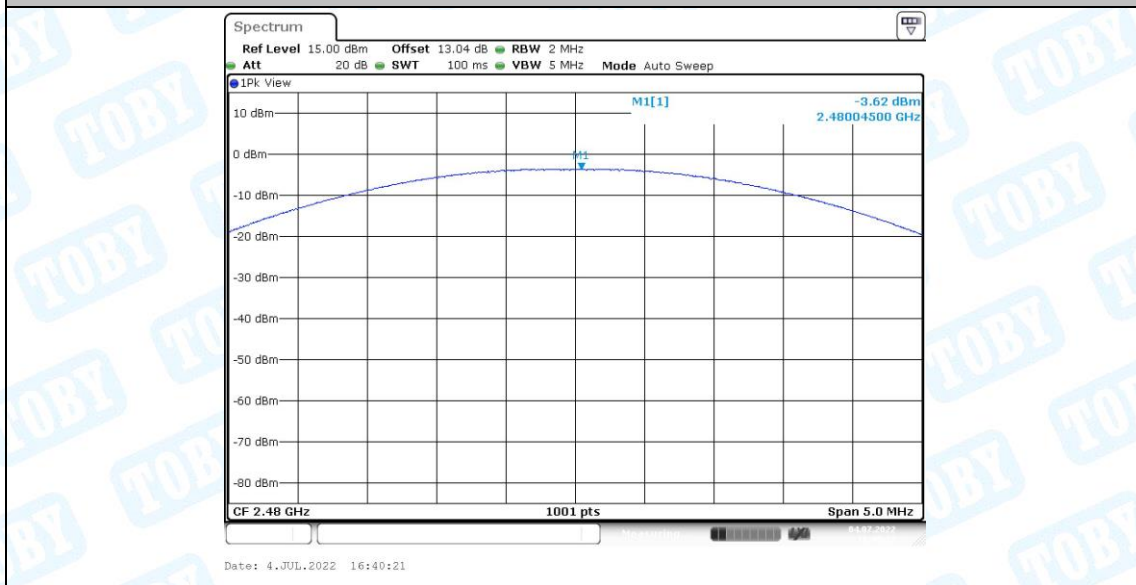




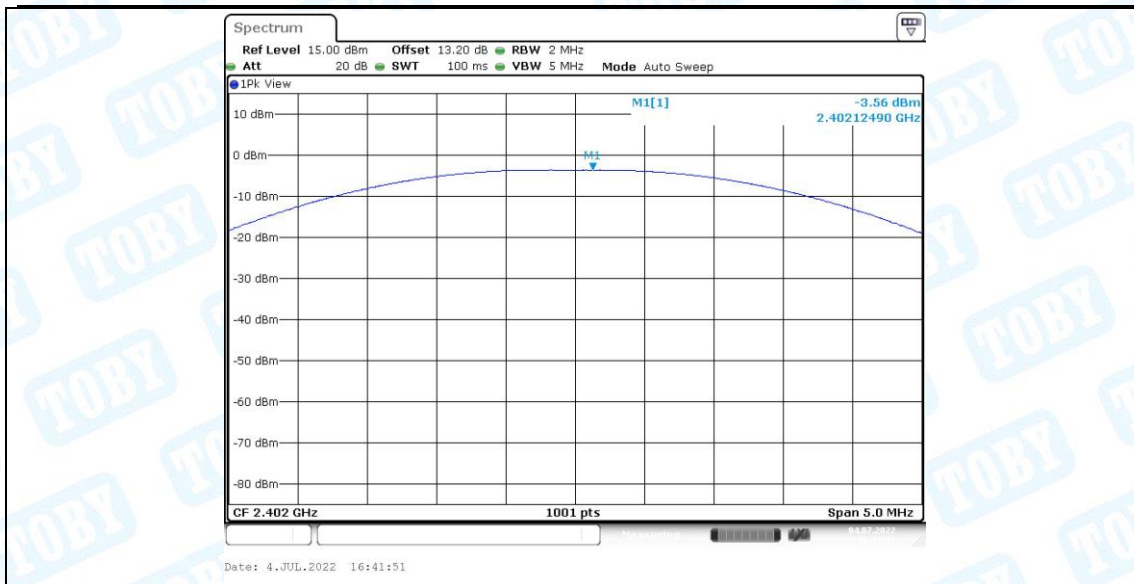
2DH5_Ant1_2402



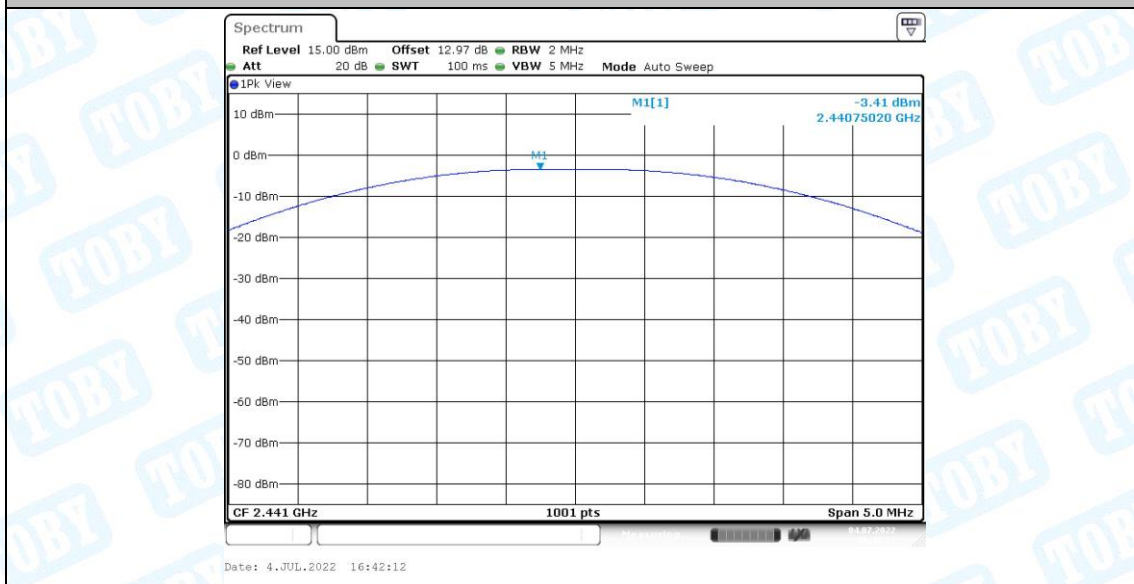
2DH5_Ant1_2441



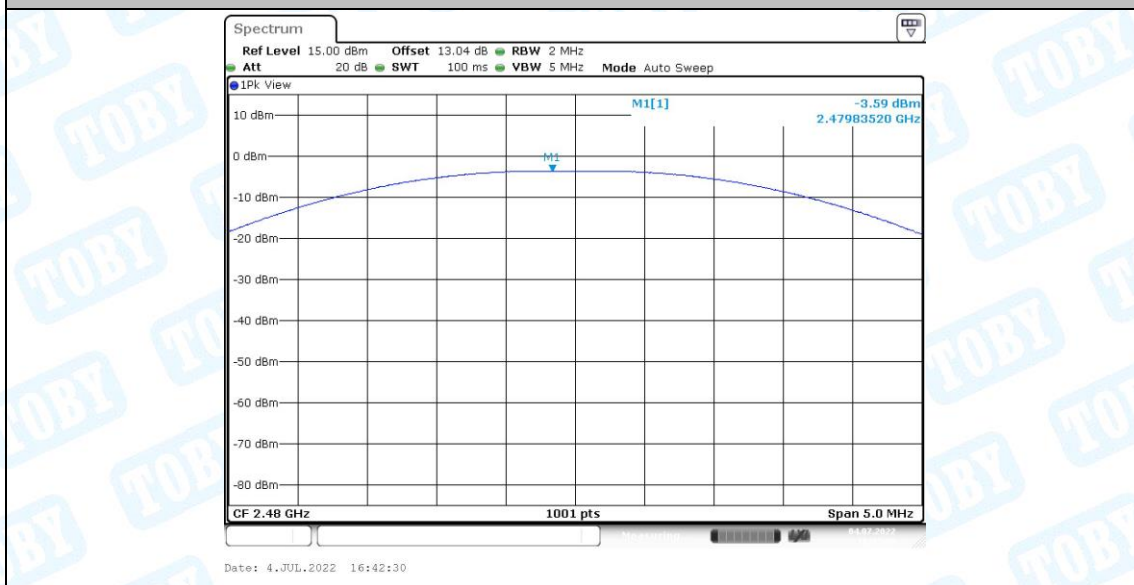
2DH5_Ant1_2480



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	0.849	≥ 0.627	PASS
2DH5	Ant1	Hop	1.058	≥ 0.853	PASS
3DH5	Ant1	Hop	1.119	≥ 0.827	PASS

4.2. Test Graphs



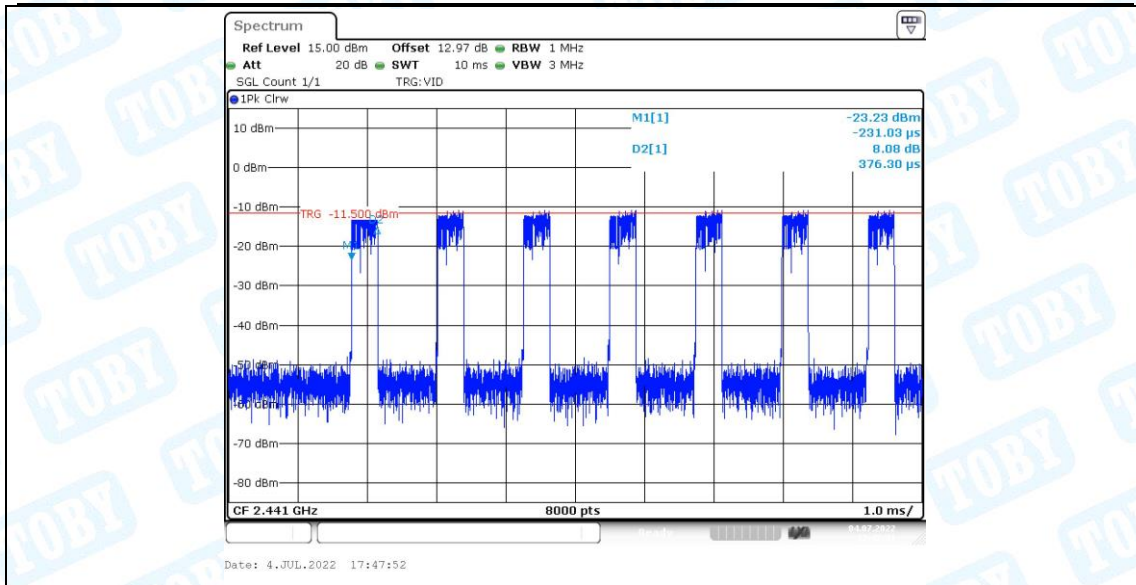
5. Time of occupancy

5.1. Test Result

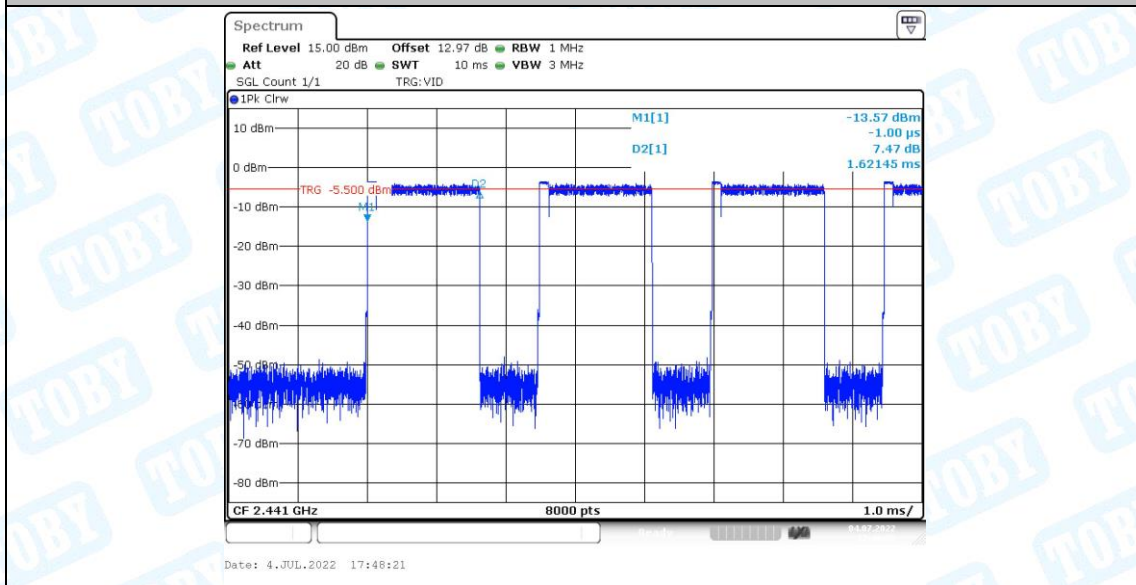
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.37	320	0.118	≤0.4	PASS
DH3	Ant1	Hop	1.61	160	0.257	≤0.4	PASS
DH5	Ant1	Hop	2.85	106.67	0.304	≤0.4	PASS
2DH1	Ant1	Hop	0.38	320	0.12	≤0.4	PASS
2DH3	Ant1	Hop	1.62	160	0.259	≤0.4	PASS
2DH5	Ant1	Hop	2.86	106.67	0.305	≤0.4	PASS
3DH1	Ant1	Hop	0.38	320	0.121	≤0.4	PASS
3DH3	Ant1	Hop	1.62	160	0.259	≤0.4	PASS
3DH5	Ant1	Hop	2.86	106.67	0.305	≤0.4	PASS

5.2. Test Graphs

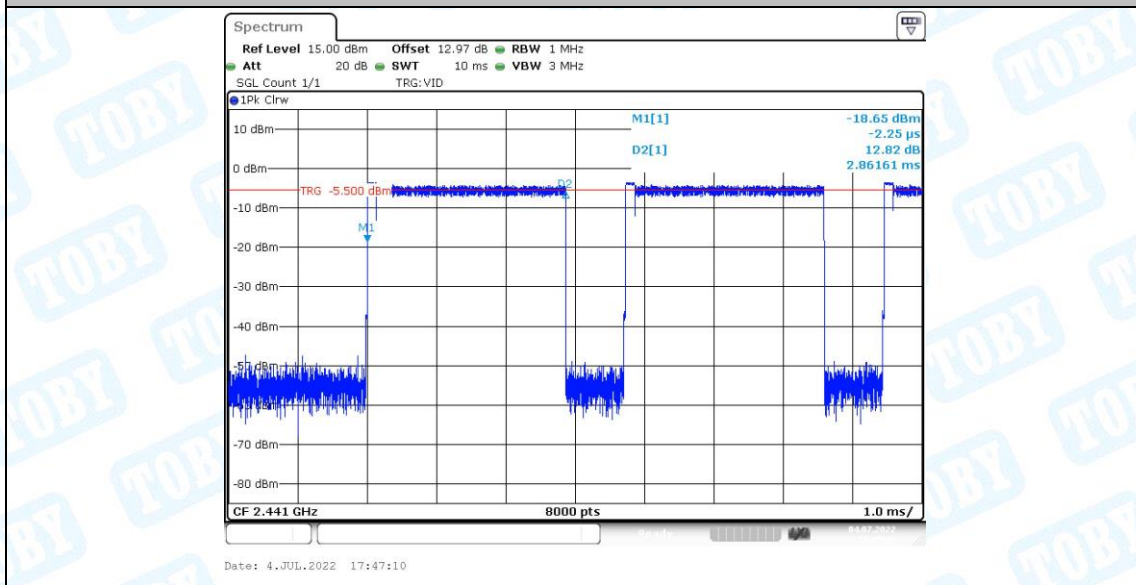




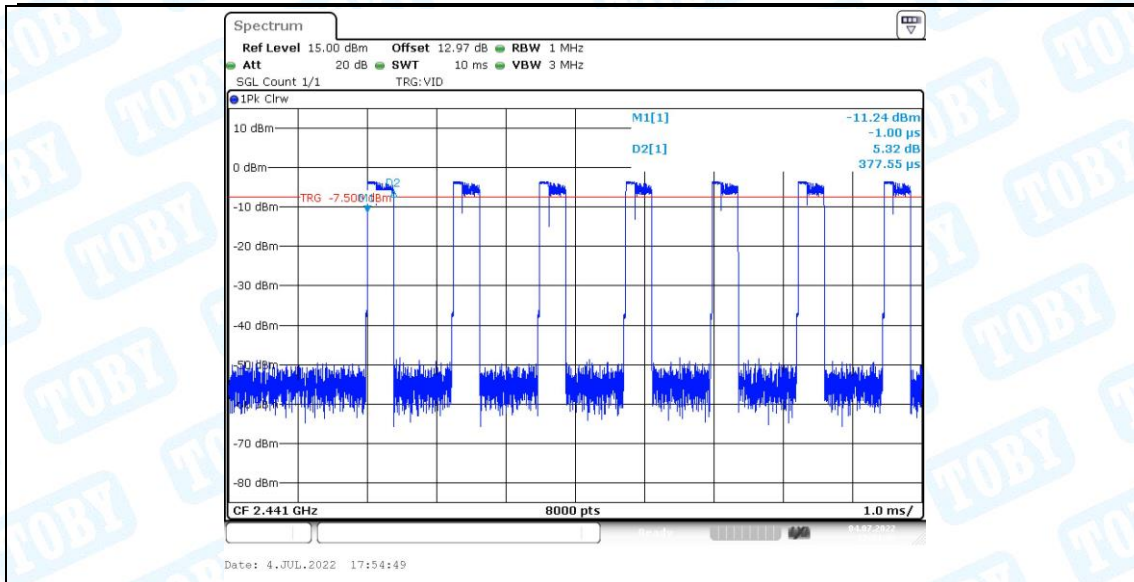
2DH1_Ant1_Hop



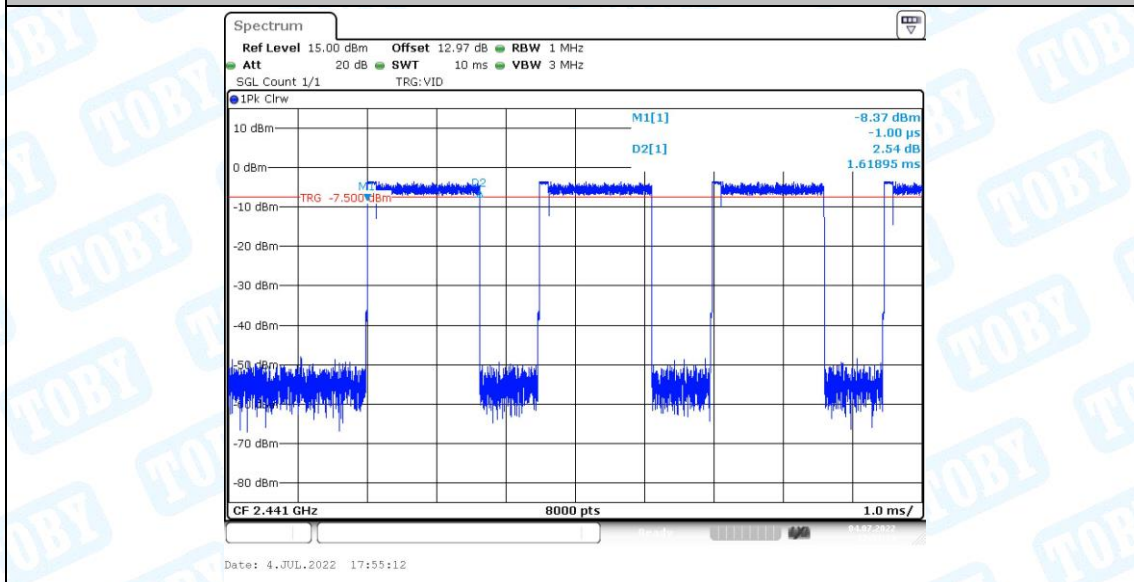
2DH3_Ant1_Hop



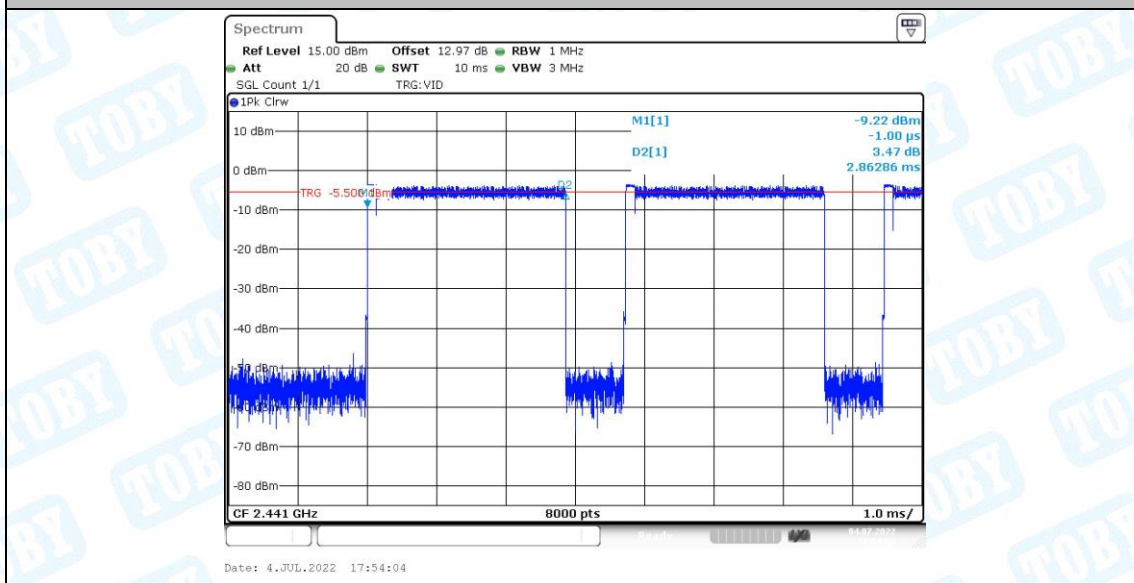
2DH5_Ant1_Hop



3DH1_Ant1_Hop



3DH3_Ant1_Hop



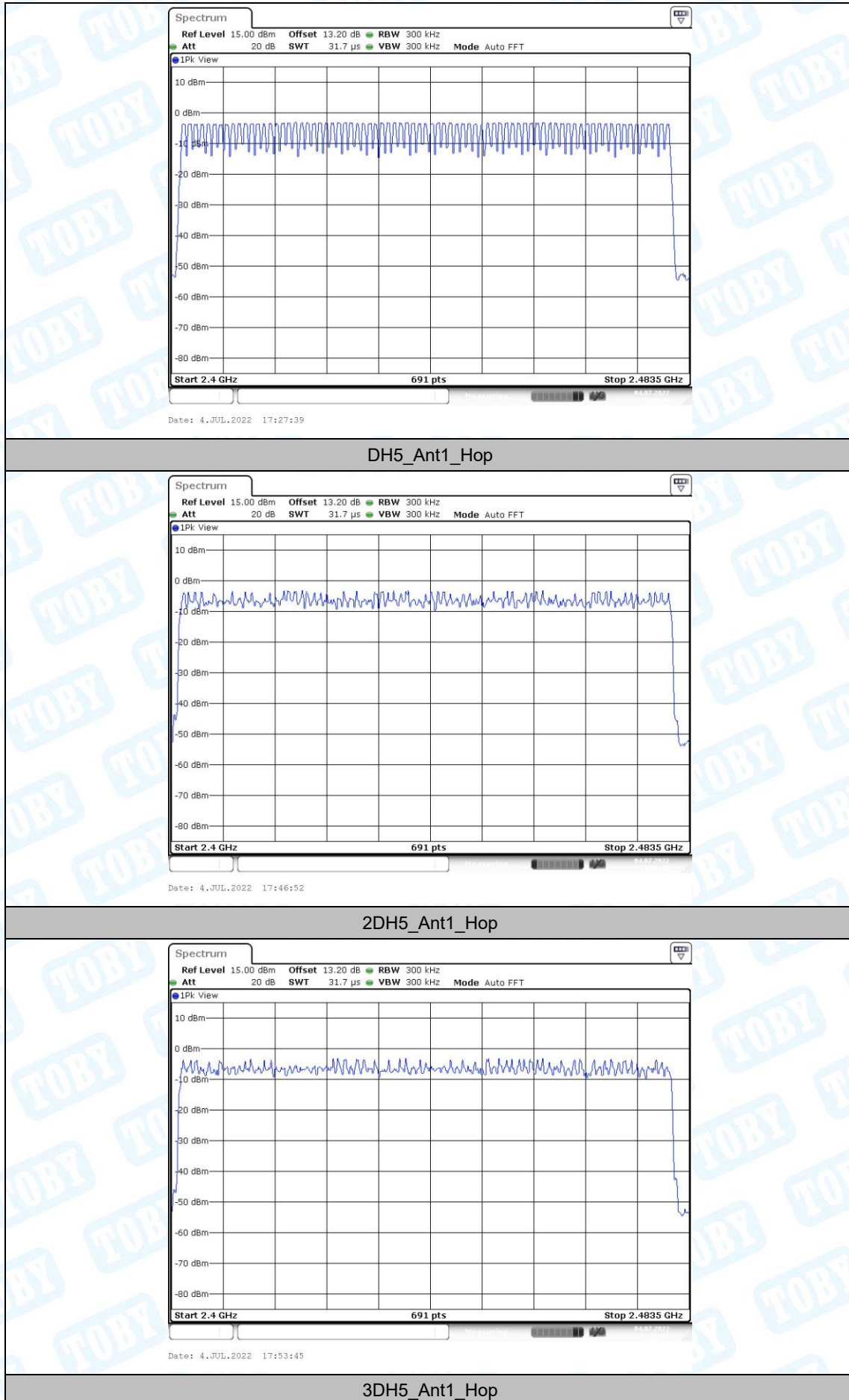
3DH5_Ant1_Hop

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	-3.72	-54.35	≤ -23.72	PASS
		High	2480	-4.23	-55.2	≤ -24.23	PASS
		Low	Hop_2402	-4.45	-56.49	≤ -24.45	PASS
		High	Hop_2480	-4.48	-55.48	≤ -24.48	PASS
2DH5	Ant1	Low	2402	-5.91	-56.56	≤ -25.91	PASS
		High	2480	-4.74	-53.85	≤ -24.74	PASS
		Low	Hop_2402	-4.74	-56.53	≤ -24.74	PASS
		High	Hop_2480	-5.23	-54.75	≤ -25.23	PASS
3DH5	Ant1	Low	2402	-3.82	-56.72	≤ -23.82	PASS
		High	2480	-4.65	-55.62	≤ -24.65	PASS
		Low	Hop_2402	-5.03	-56.48	≤ -25.03	PASS
		High	Hop_2480	-6.46	-43.74	≤ -26.46	PASS