

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

General Description of EUT	
Product Name:	tablet computer
Test Model:	AYANEO 2021
Sample ID:	20210603-22-02
Environmental Conditions	
Temperature:	25°C
Relative Humidity:	48%
Test Voltage:	DC 11.55V
Test Engineer:	He jing chang
Note: For a more detailed features description, please refer to the report TB-FCC183683	

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1. 20dB Emission Bandwidth

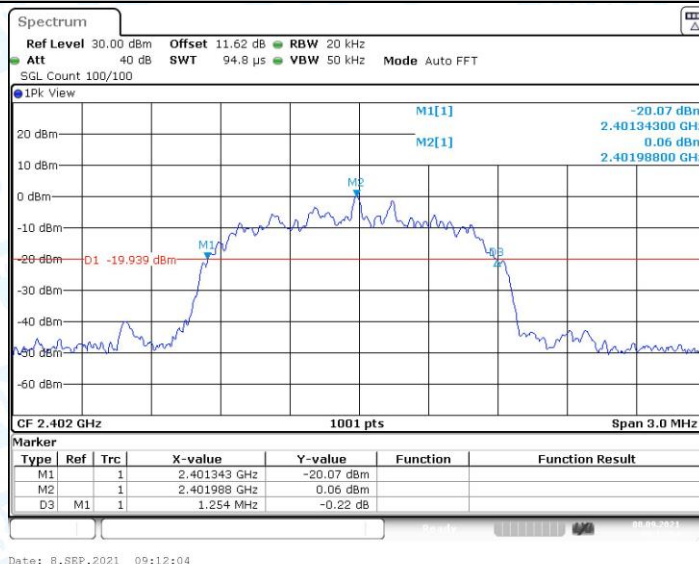
1.1. Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.804	2401.577	2402.381	---	PASS
		2441	0.804	2440.574	2441.378	---	PASS
		2480	0.801	2479.574	2480.375	---	PASS
2DH5	Ant1	2402	1.254	2401.343	2402.597	---	PASS
		2441	1.260	2440.343	2441.603	---	PASS
		2480	1.236	2479.343	2480.579	---	PASS
3DH5	Ant1	2402	1.257	2401.334	2402.591	---	PASS
		2441	1.248	2440.340	2441.588	---	PASS
		2480	1.275	2479.328	2480.603	---	PASS

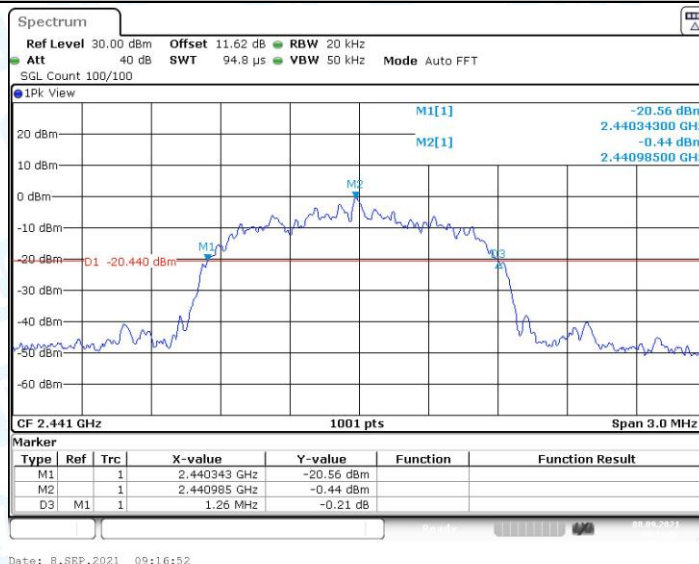
1.2. Test Graphs



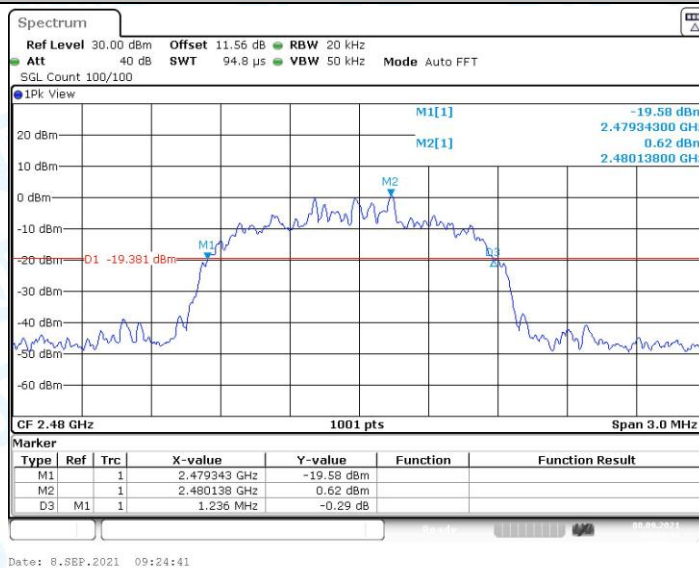
2DH5_Ant1_2402



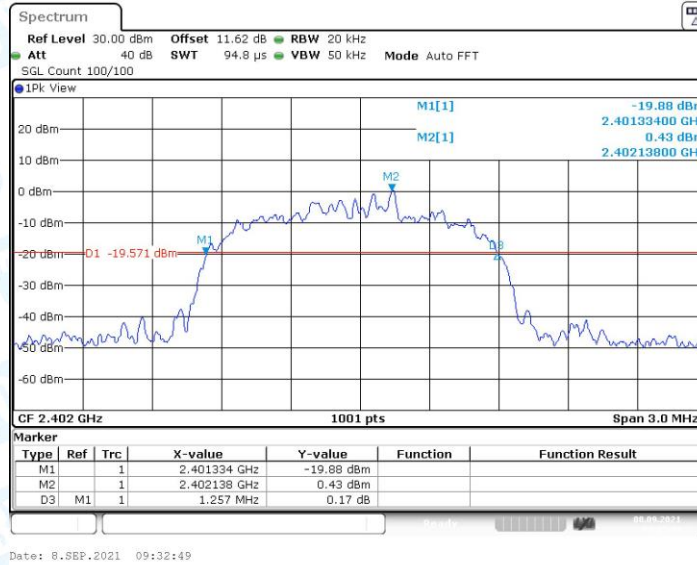
2DH5_Ant1_2441



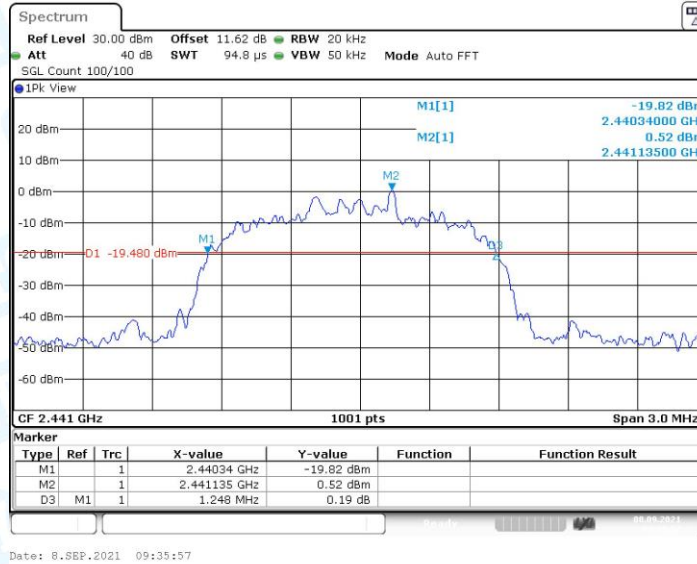
2DH5_Ant1_2480



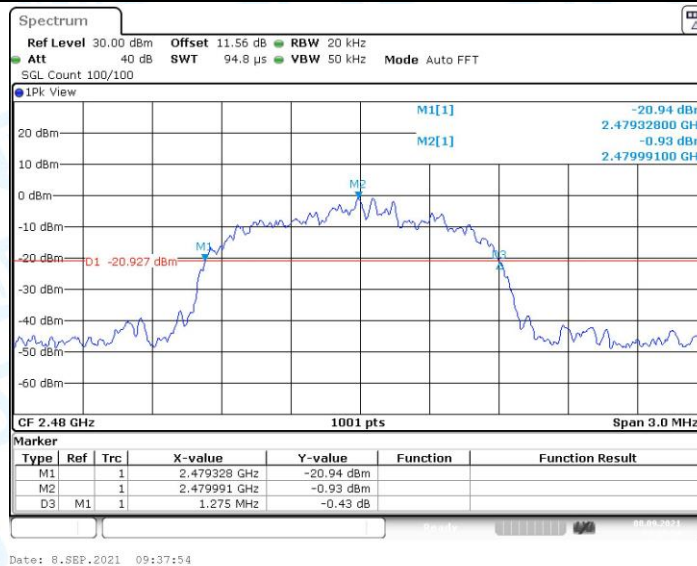
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

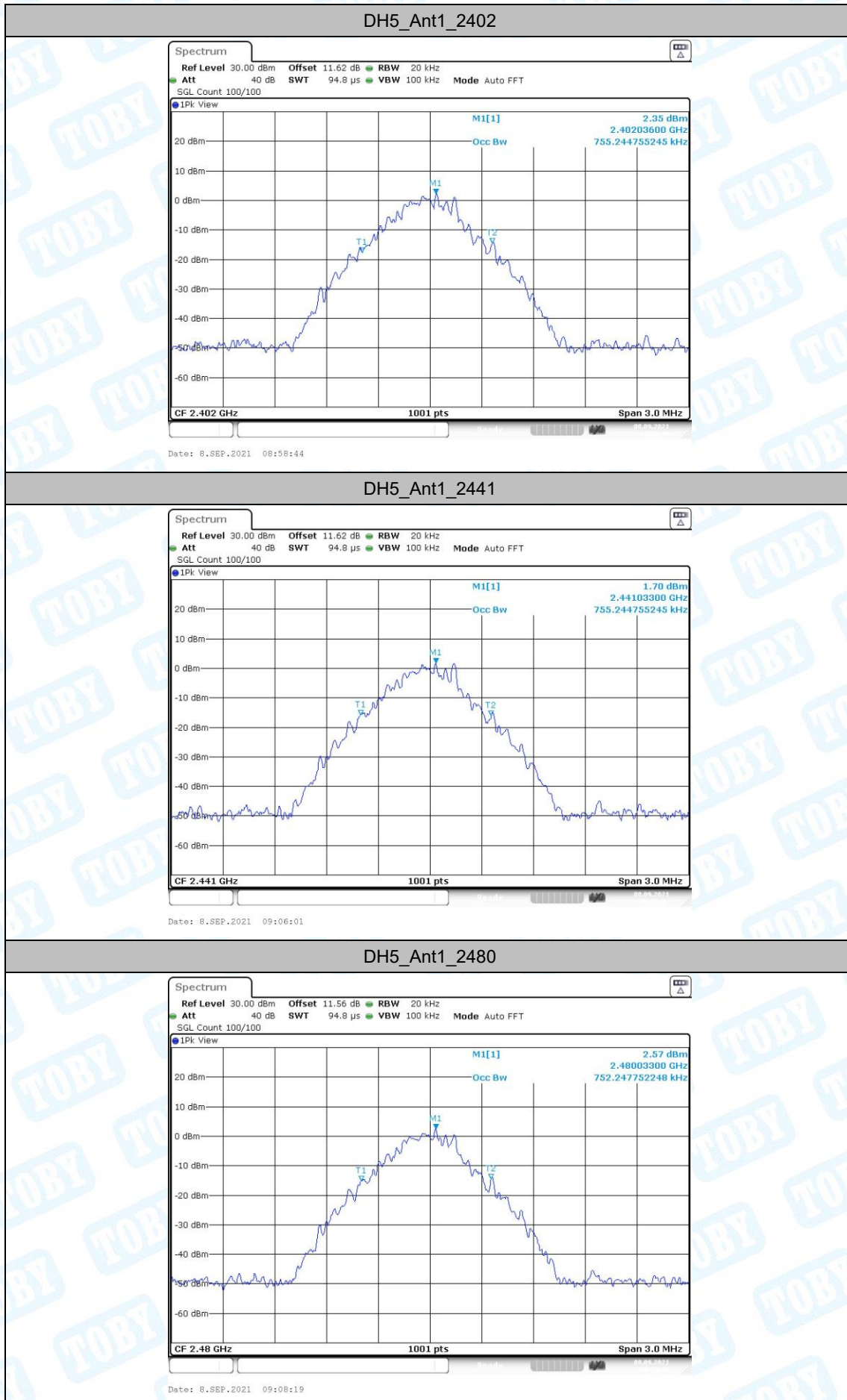


2. Occupied Channel Bandwidth

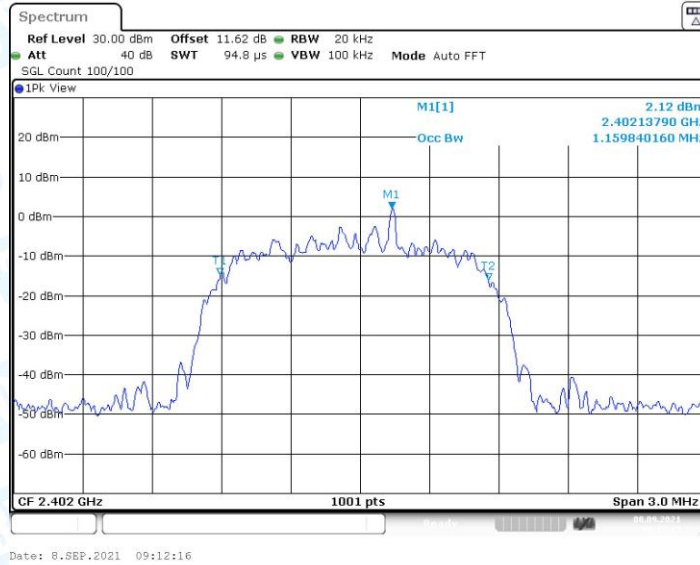
2.1. Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.755	2401.604	2402.360	---	PASS
		2441	0.755	2440.598	2441.354	---	PASS
		2480	0.752	2479.601	2480.354	---	PASS
2DH5	Ant1	2402	1.16	2401.395	2402.554	---	PASS
		2441	1.16	2440.392	2441.551	---	PASS
		2480	1.172	2479.386	2480.557	---	PASS
3DH5	Ant1	2402	1.154	2401.398	2402.551	---	PASS
		2441	1.154	2440.398	2441.551	---	PASS
		2480	1.148	2479.401	2480.548	---	PASS

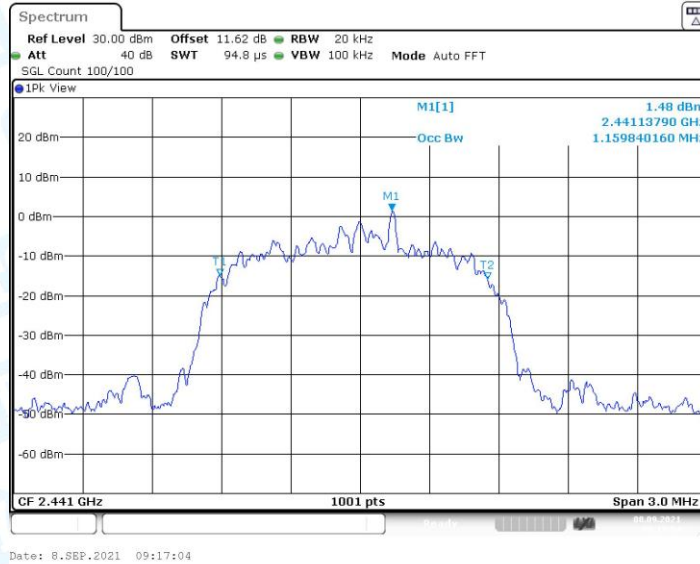
2.2. Test Graphs



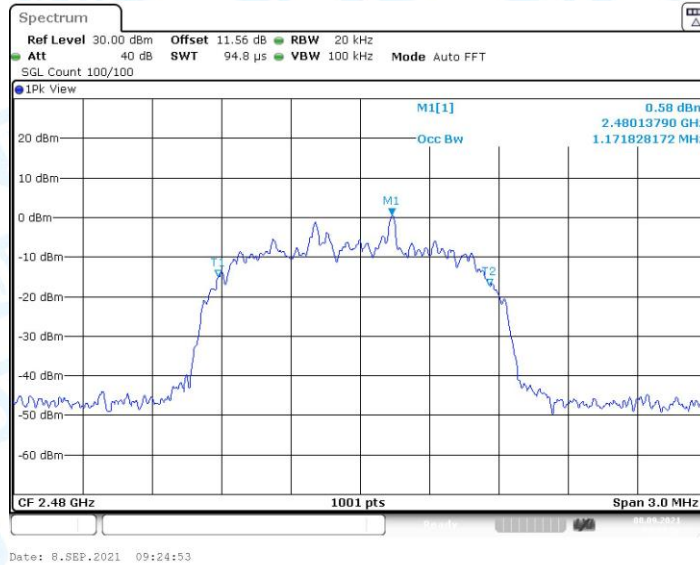
2DH5_Ant1_2402



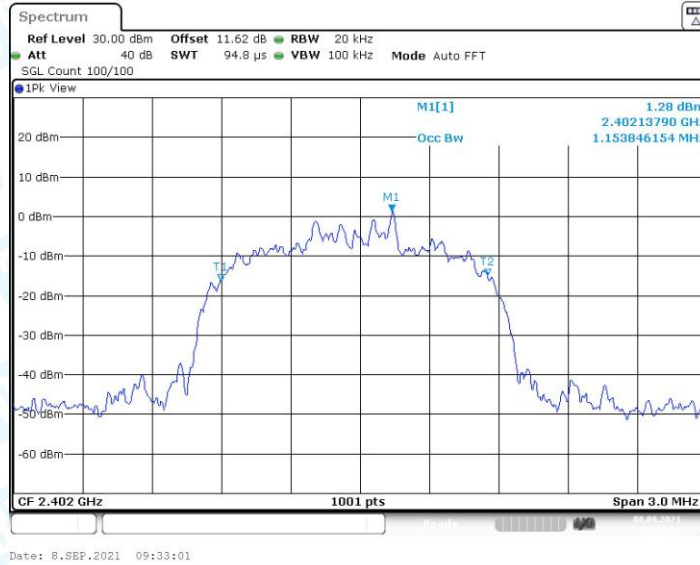
2DH5_Ant1_2441



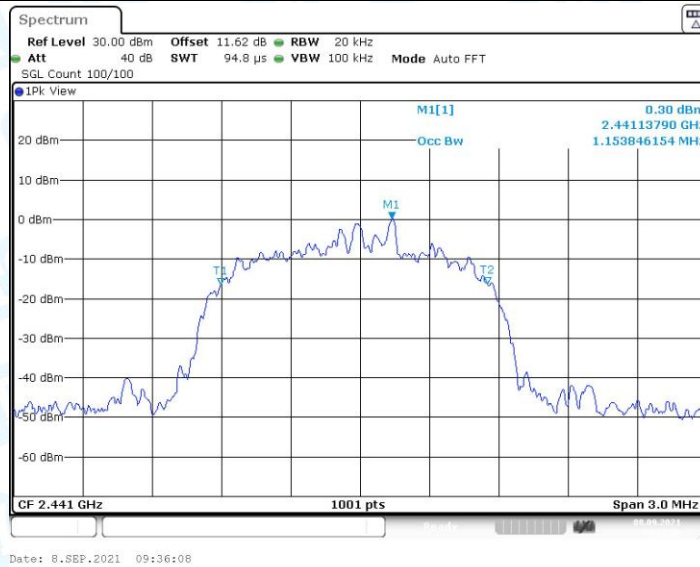
2DH5_Ant1_2480



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	4.57	≤21	PASS
		2441	4.23	≤21	PASS
		2480	4.65	≤21	PASS
2DH5	Ant1	2402	4.32	≤21	PASS
		2441	3.91	≤21	PASS
		2480	4.4	≤21	PASS
3DH5	Ant1	2402	4.47	≤21	PASS
		2441	3.99	≤21	PASS
		2480	4.44	≤21	PASS

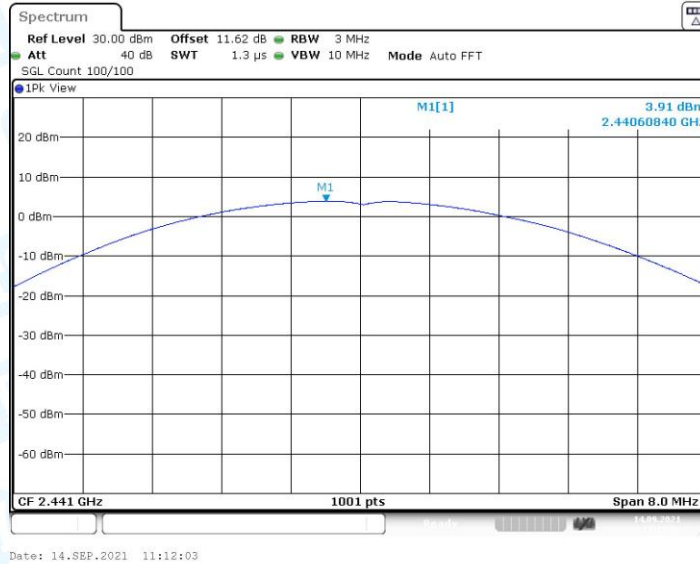
3.2.Test Graphs



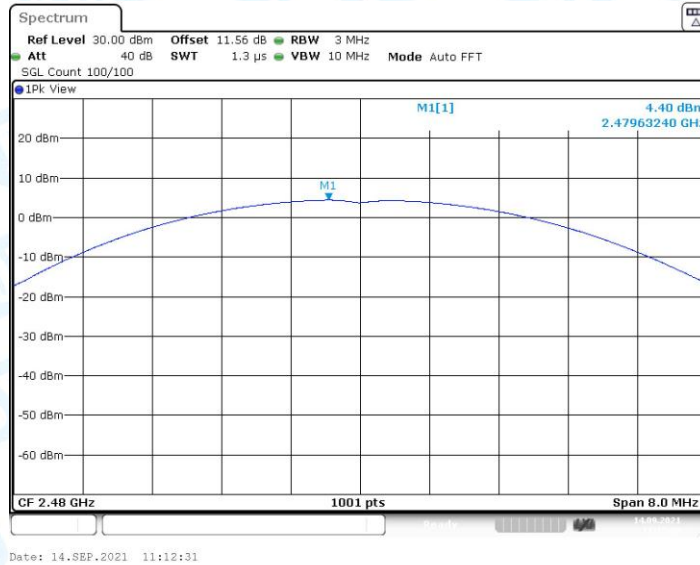
2DH5_Ant1_2402



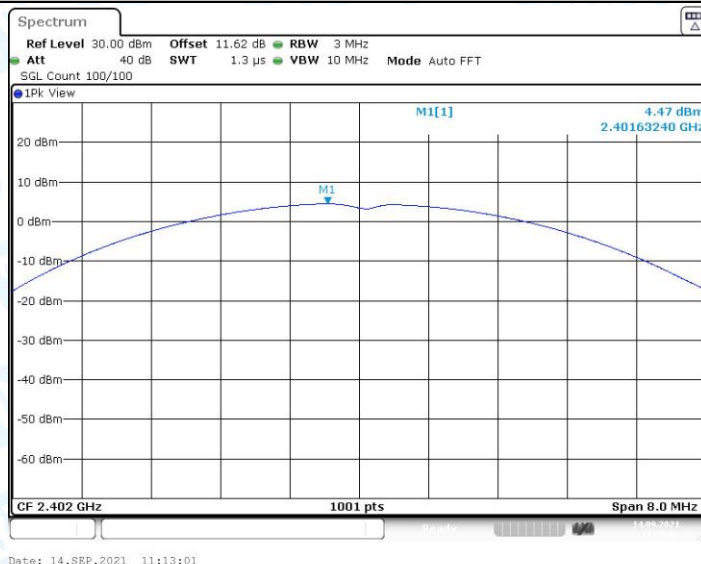
2DH5_Ant1_2441



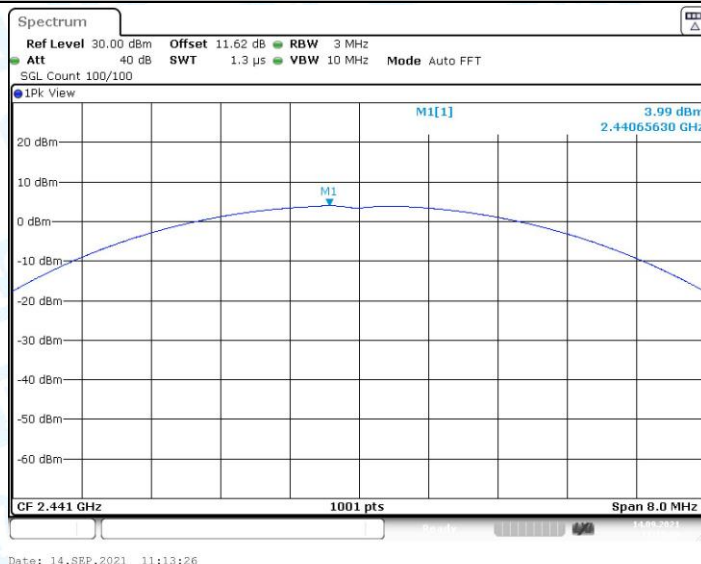
2DH5_Ant1_2480



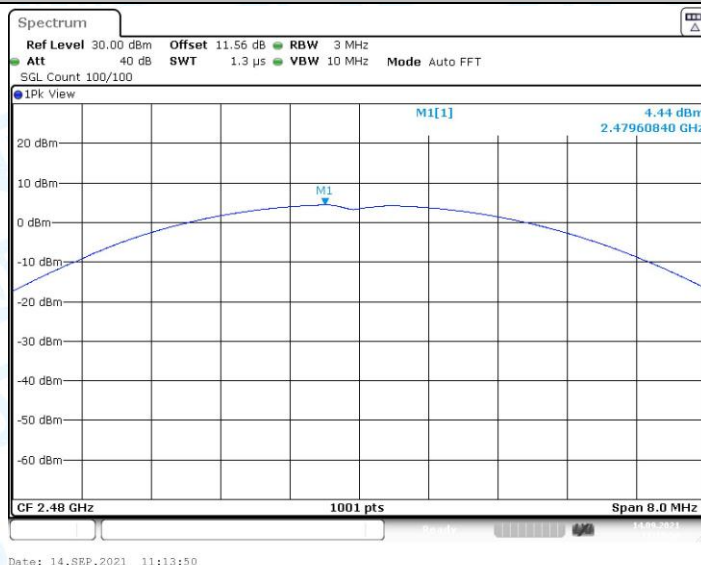
3DH5_Ant1_2402



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	1.006	≥ 0.804	PASS
2DH5	Ant1	Hop	1.035	≥ 0.840	PASS
3DH5	Ant1	Hop	0.997	≥ 0.850	PASS

4.2.Test Graphs

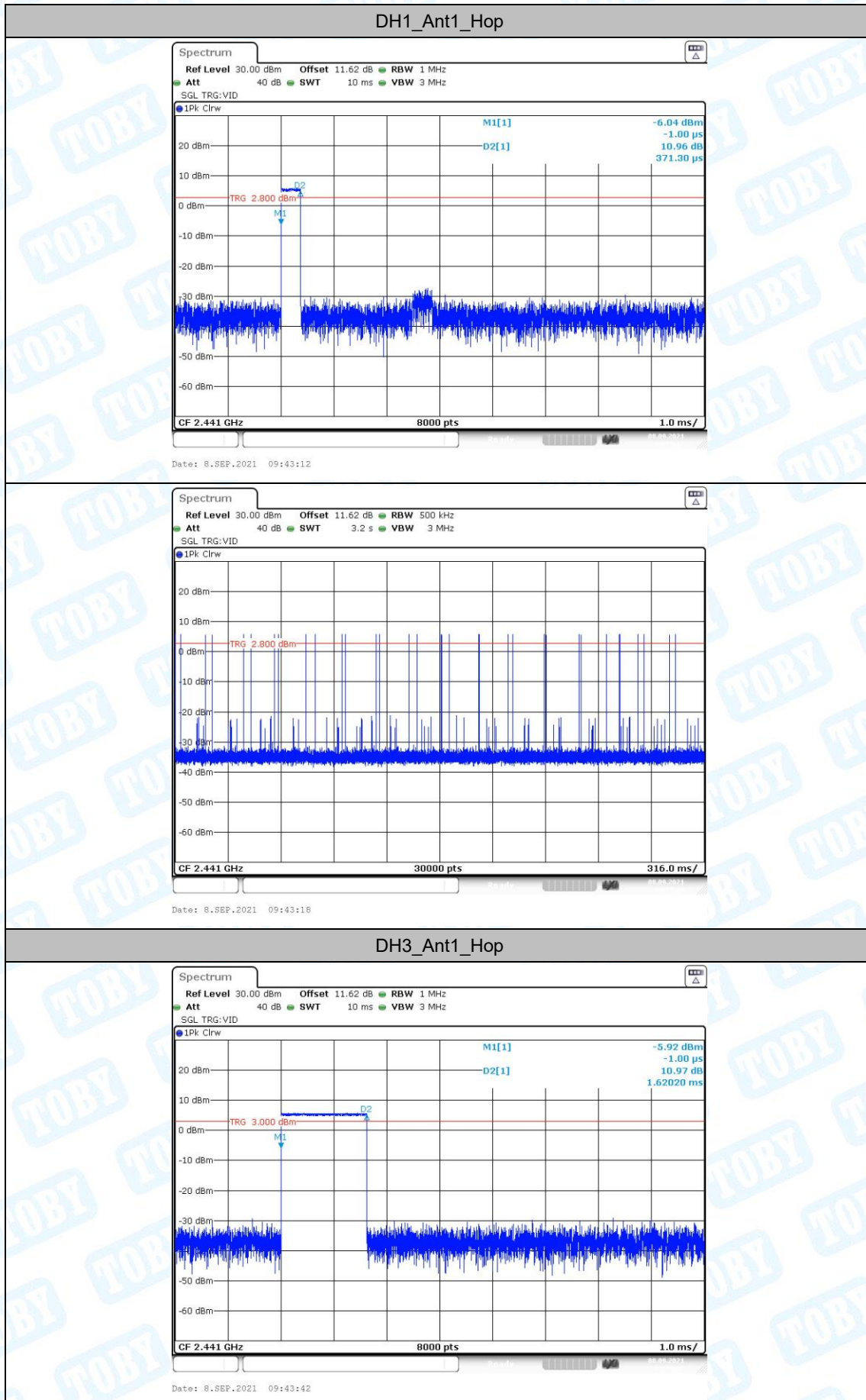


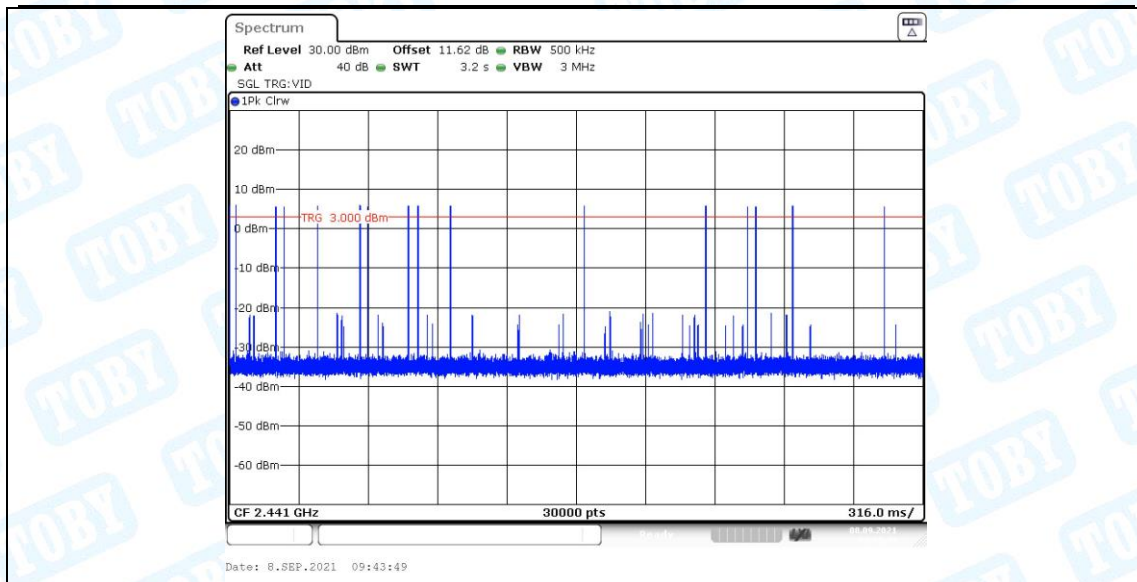
5. Time of occupancy

5.1. Test Result

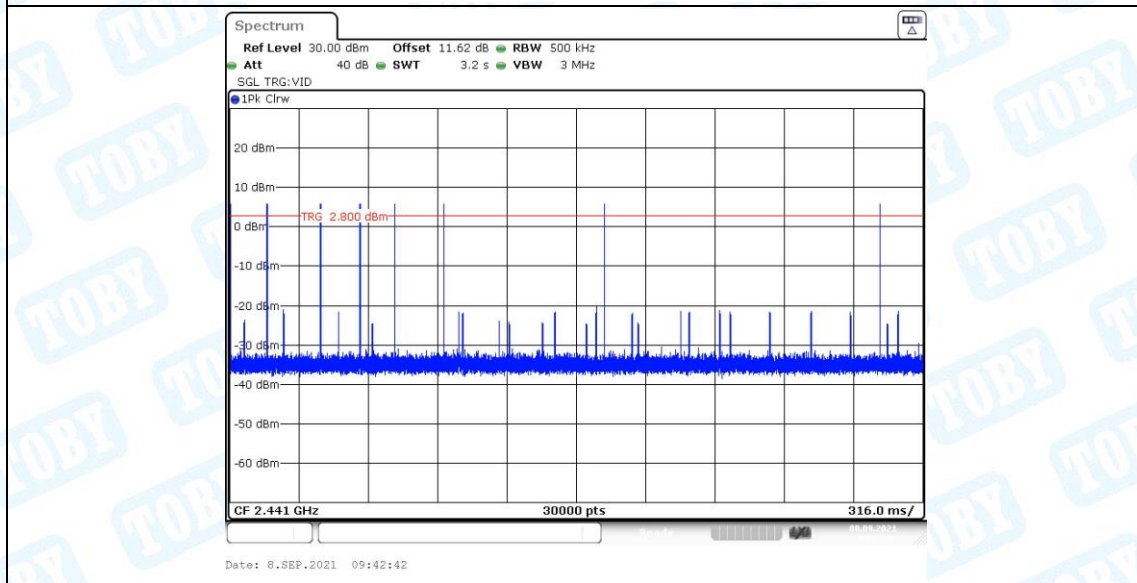
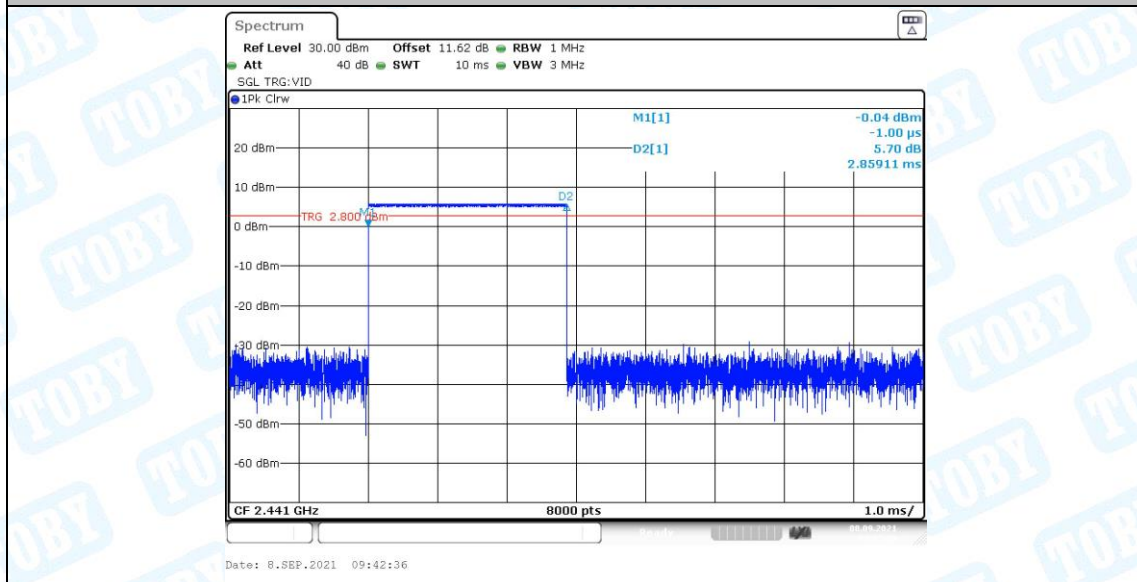
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.37	320	0.119	≤0.4	PASS
DH3	Ant1	Hop	1.62	160	0.259	≤0.4	PASS
DH5	Ant1	Hop	2.86	80	0.229	≤0.4	PASS
2DH1	Ant1	Hop	0.38	330	0.125	≤0.4	PASS
2DH3	Ant1	Hop	1.62	170	0.276	≤0.4	PASS
2DH5	Ant1	Hop	2.86	100	0.286	≤0.4	PASS
3DH1	Ant1	Hop	0.38	320	0.122	≤0.4	PASS
3DH3	Ant1	Hop	1.62	170	0.276	≤0.4	PASS
3DH5	Ant1	Hop	2.87	110	0.315	≤0.4	PASS

5.2.Test Graphs

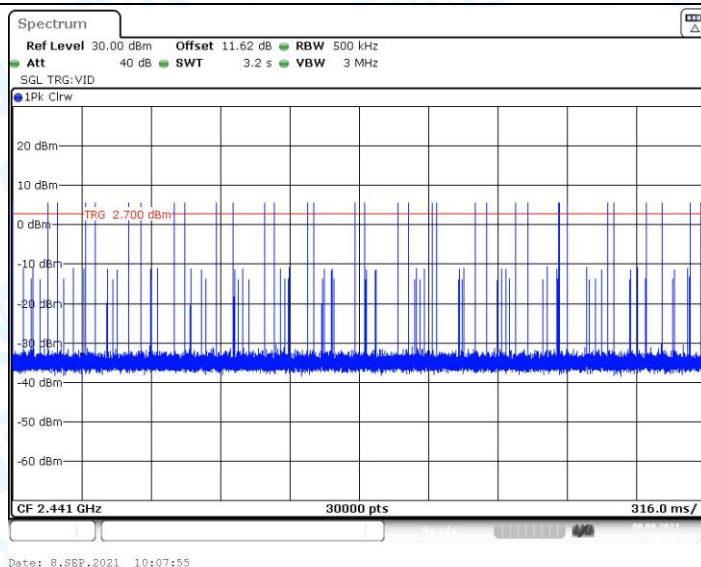
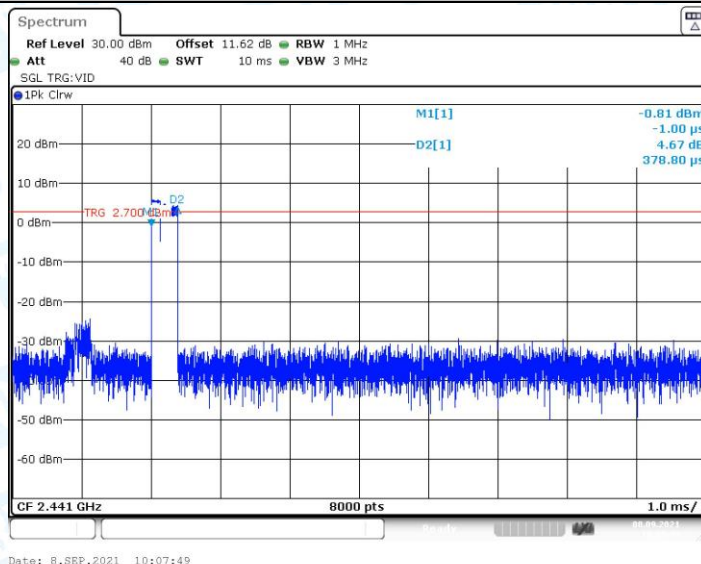




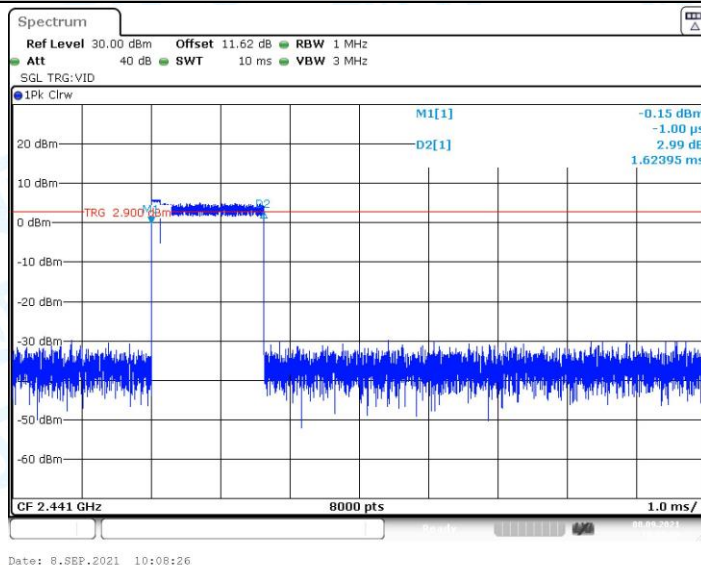
DH5_Ant1_Hop

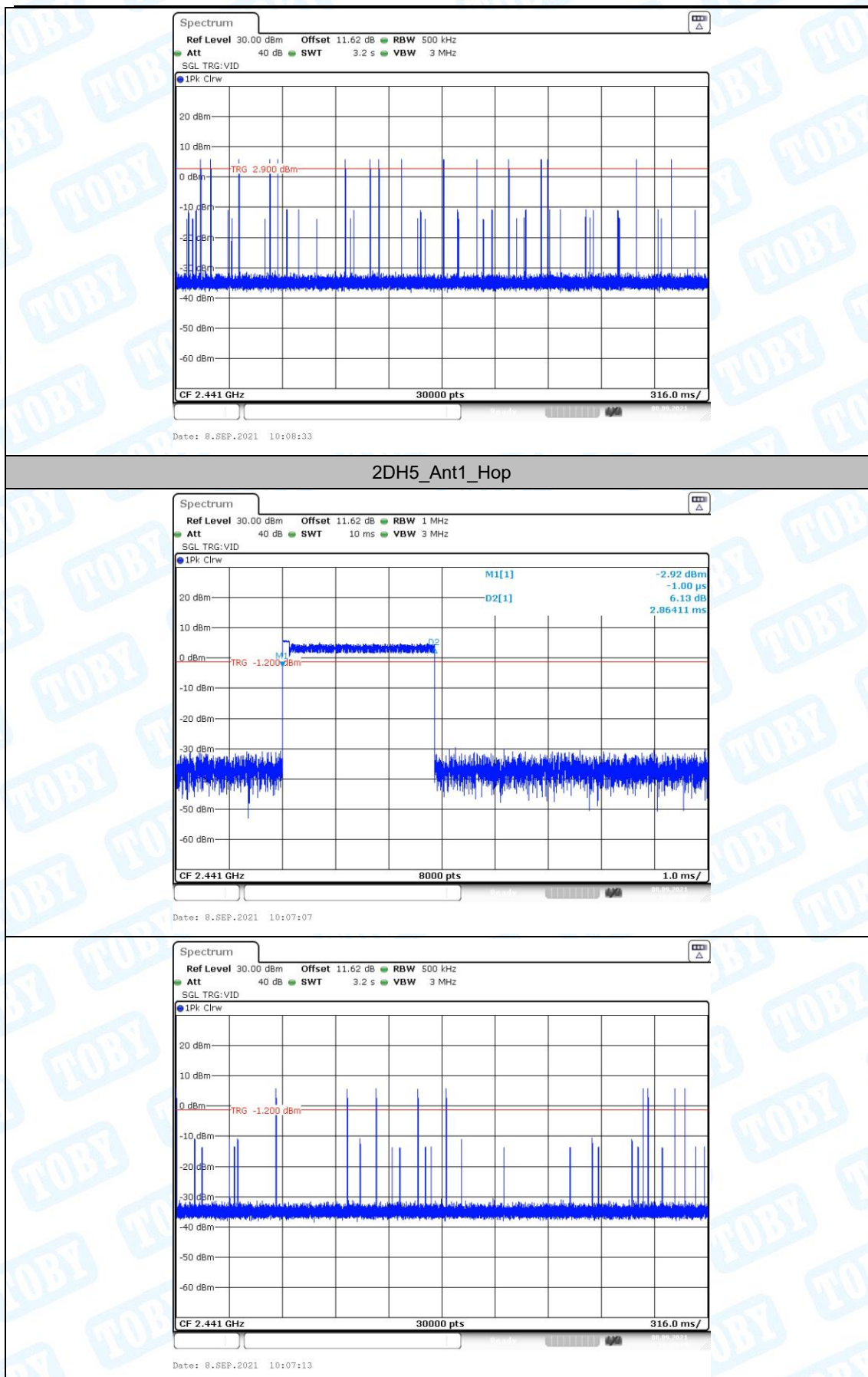


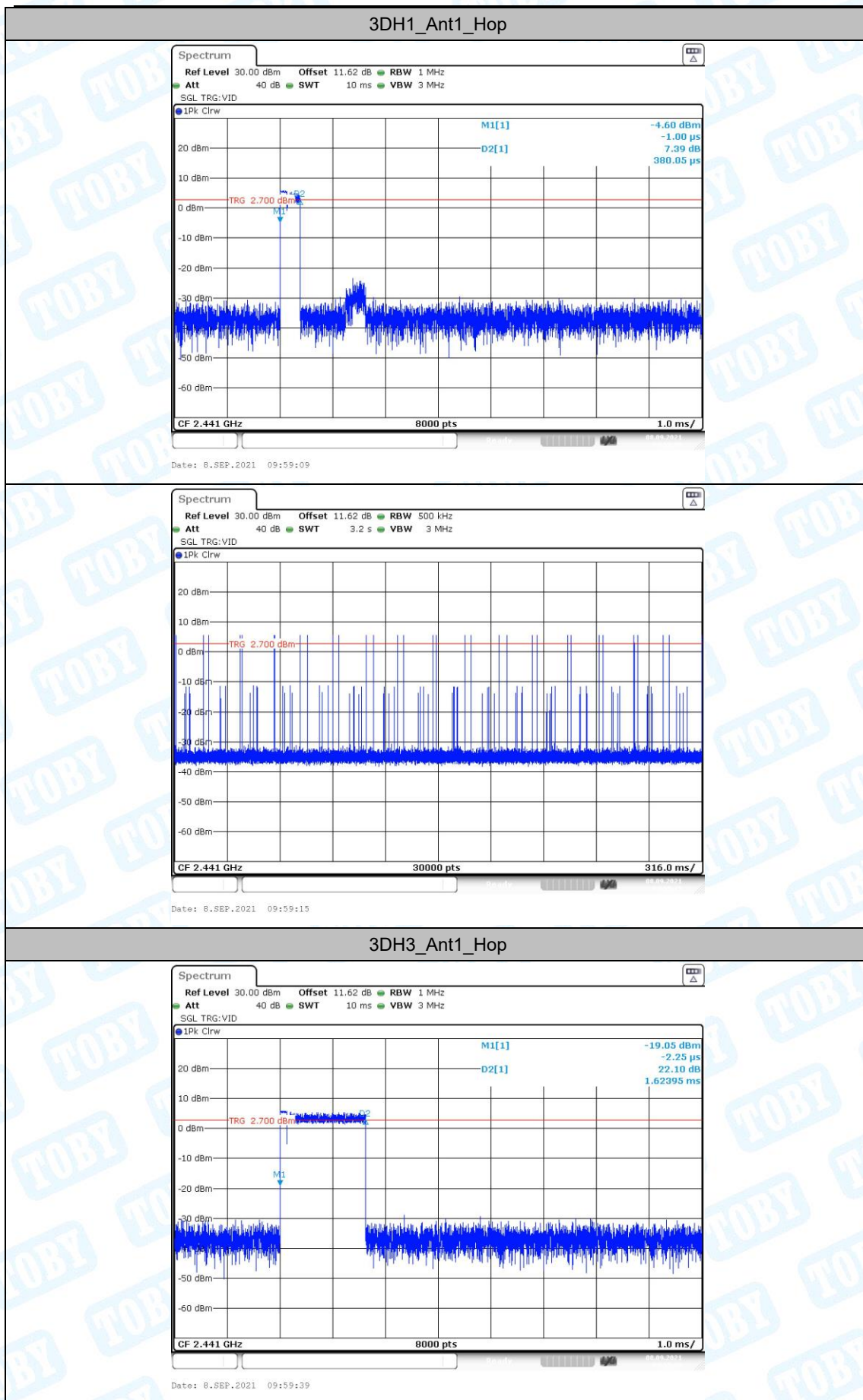
2DH1_Ant1_Hop

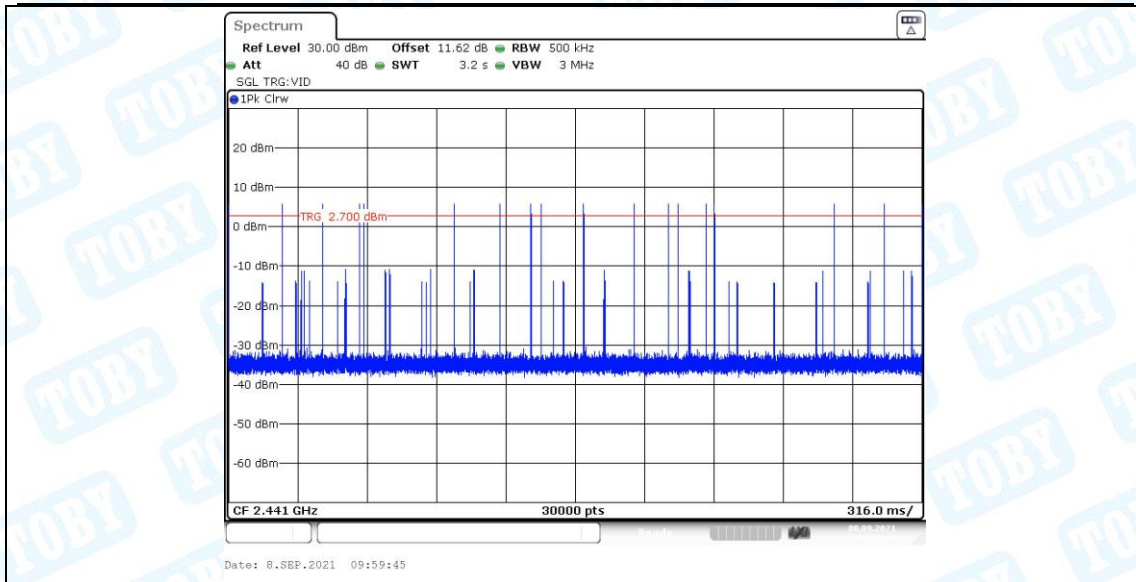


2DH3_Ant1_Hop

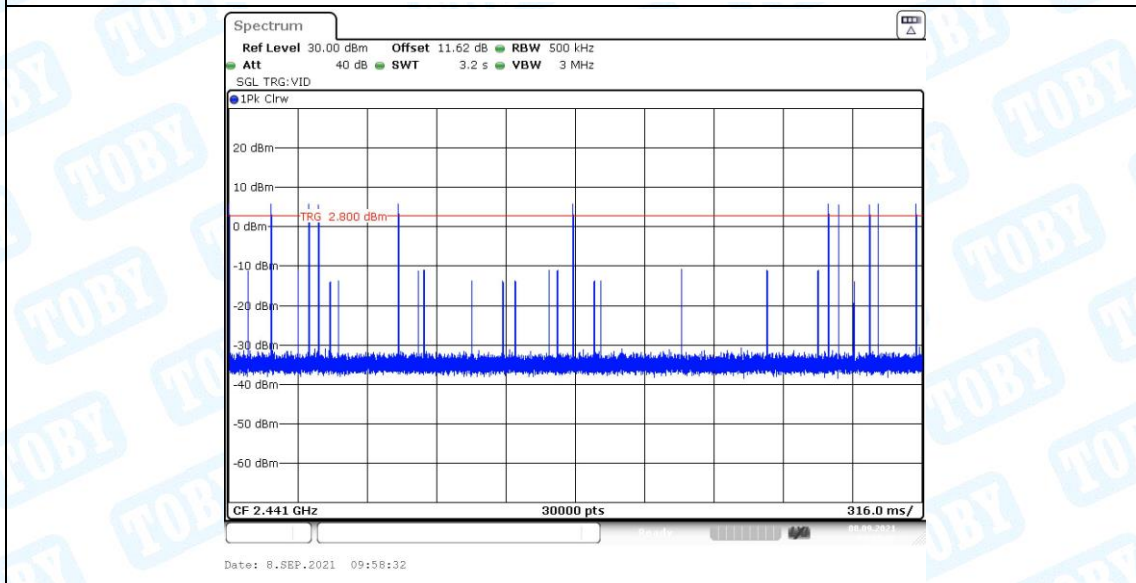
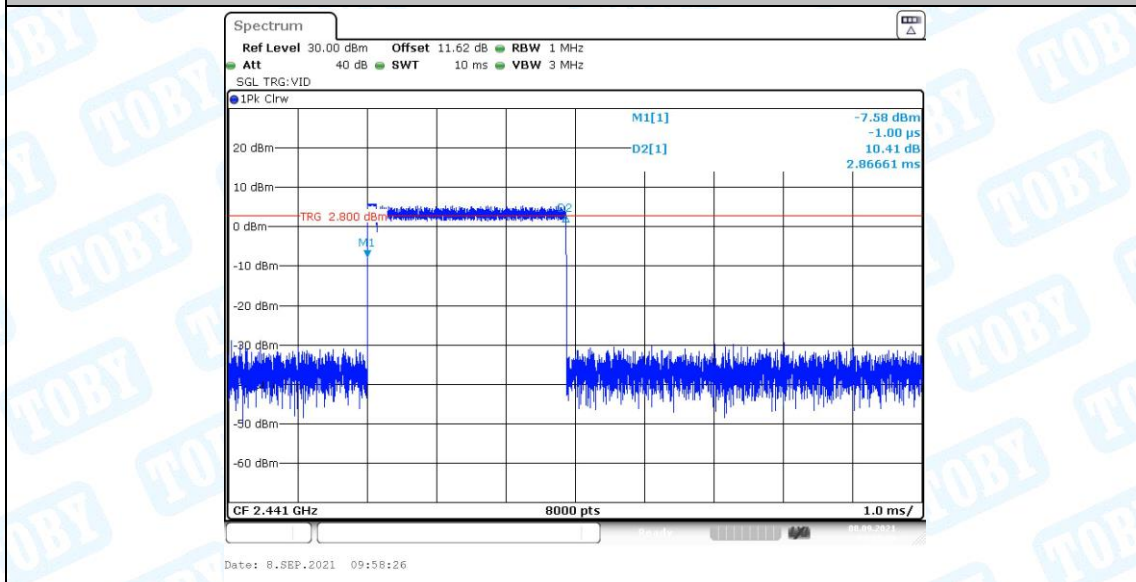








3DH5_Ant1_Hop



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

