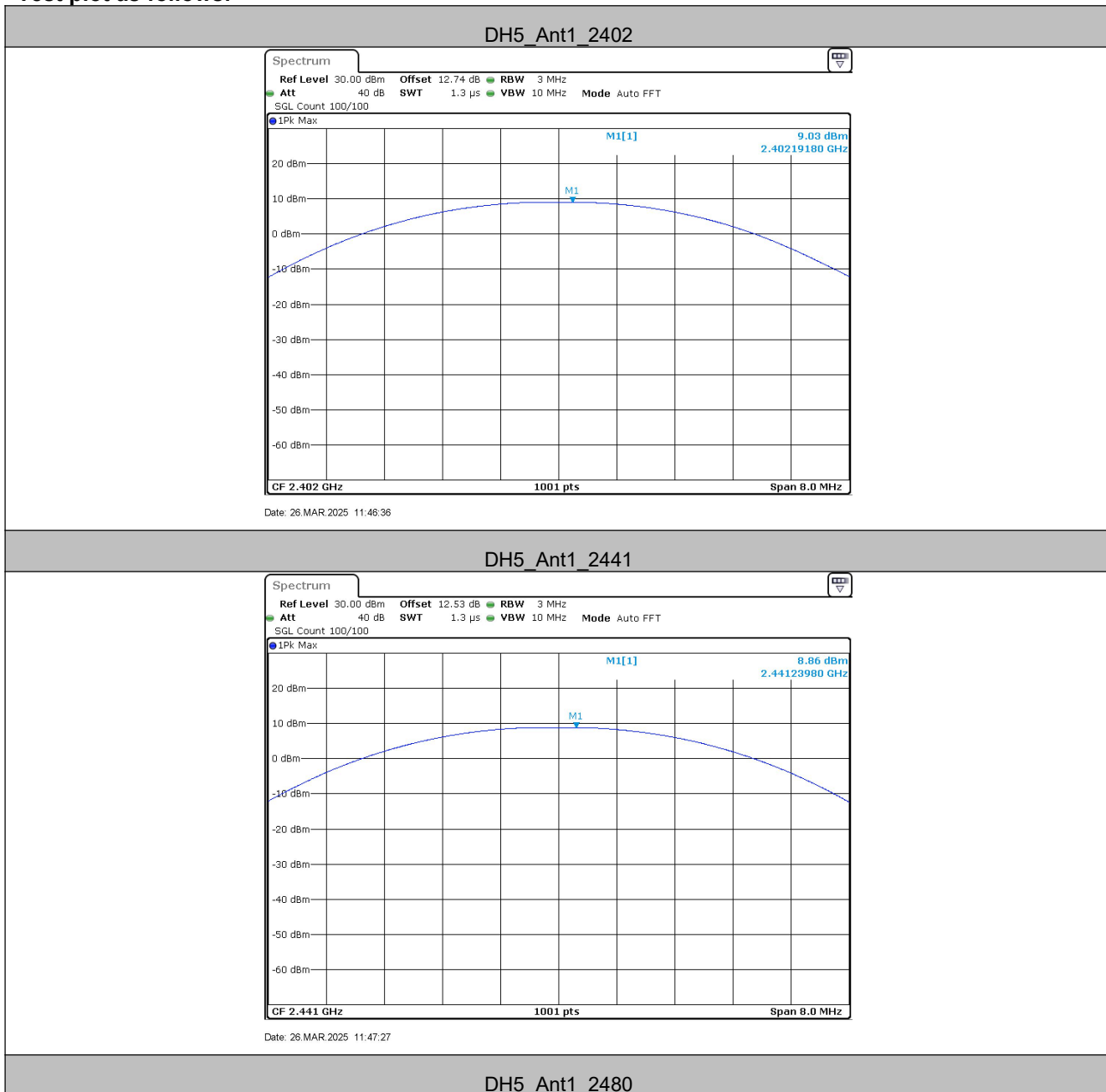
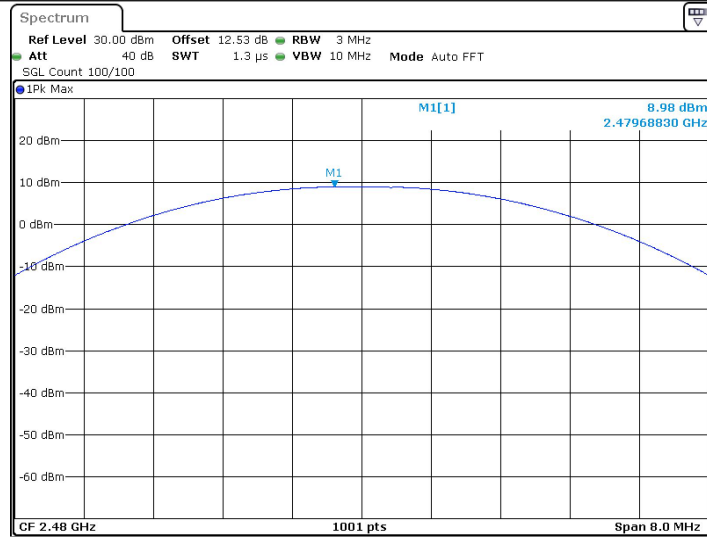


Measurement Data

GFSK mode			
Test channel	Peak Output Power (dBm)	Limit (dBm)	Result
Lowest	9.03	30.00	Pass
Middle	8.86	30.00	Pass
Highest	8.98	30.00	Pass
$\pi/4$ DQPSK mode			
Test channel	Peak Output Power (dBm)	Limit (dBm)	Result
Lowest	9.49	30.00	Pass
Middle	9.18	30.00	Pass
Highest	9.45	30.00	Pass
8DPSK mode			
Test channel	Peak Output Power (dBm)	Limit (dBm)	Result
Lowest	9.45	30.00	Pass
Middle	9.22	30.00	Pass
Highest	9.54	30.00	Pass

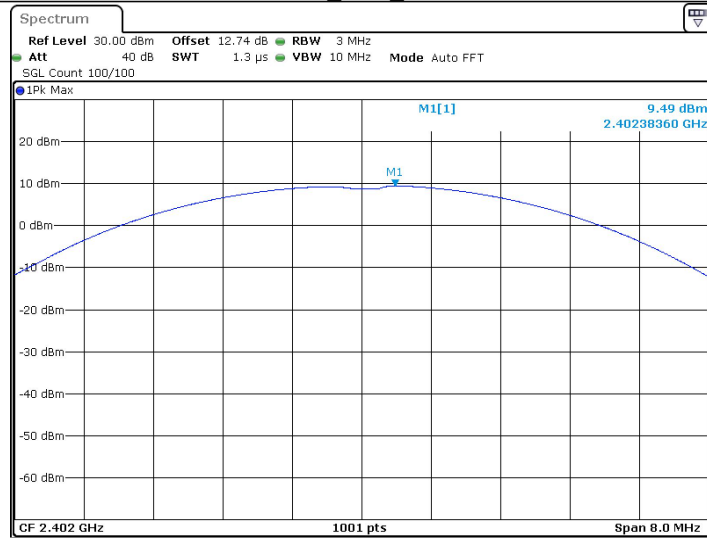
Test plot as follows:





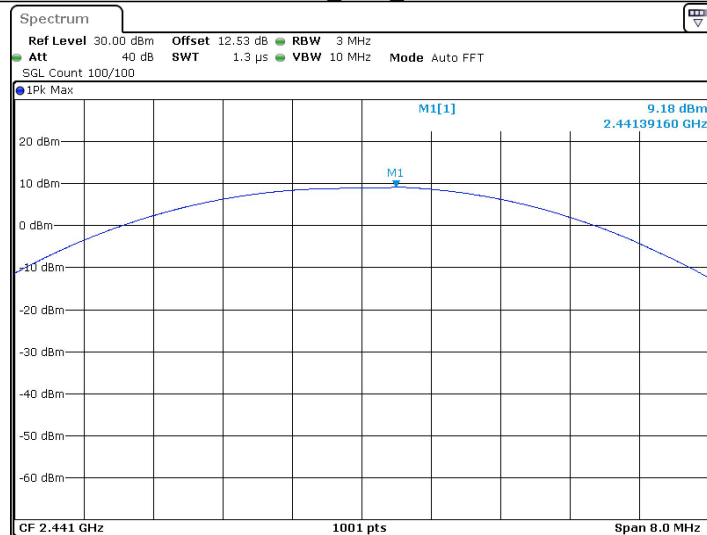
Date: 26.MAR.2025 11:48:23

2DH5_Ant1_2402



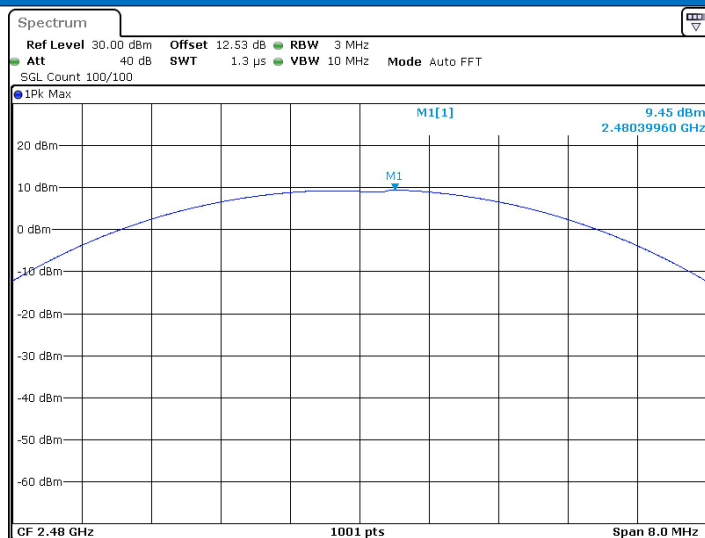
Date: 26.MAR.2025 11:49:10

2DH5_Ant1_2441



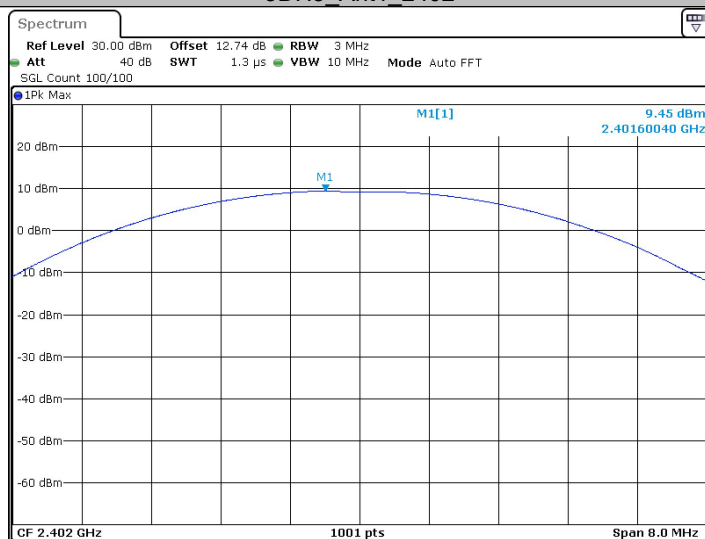
Date: 26.MAR.2025 11:50:23

2DH5_Ant1_2480



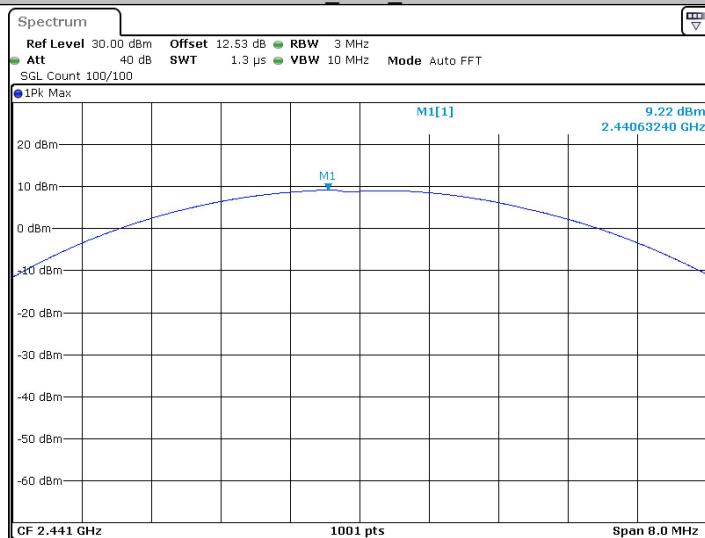
Date: 26.MAR.2025 11:51:34

3DH5_Ant1_2402



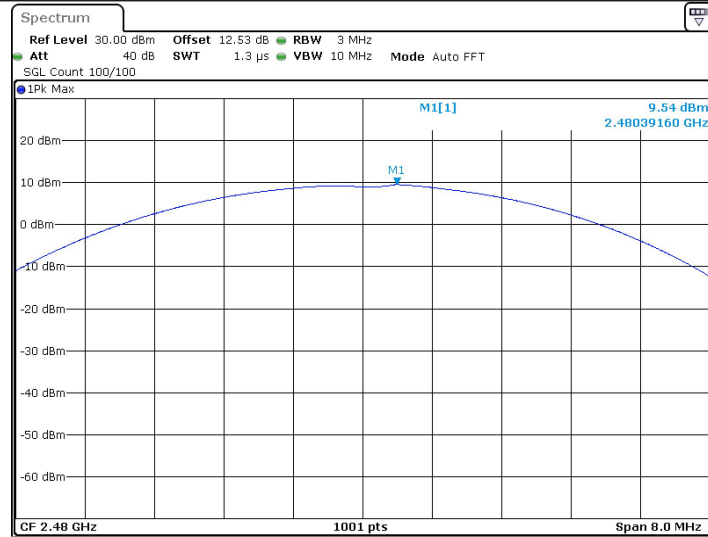
Date: 26.MAR.2025 11:52:33

3DH5_Ant1_2441



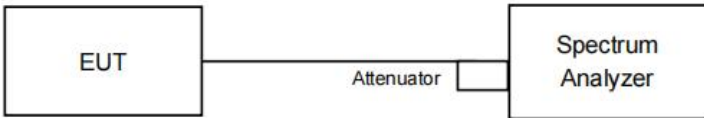
Date: 26.MAR.2025 11:53:47

3DH5_Ant1_2480



Date: 26.MAR.2025 11:54:38

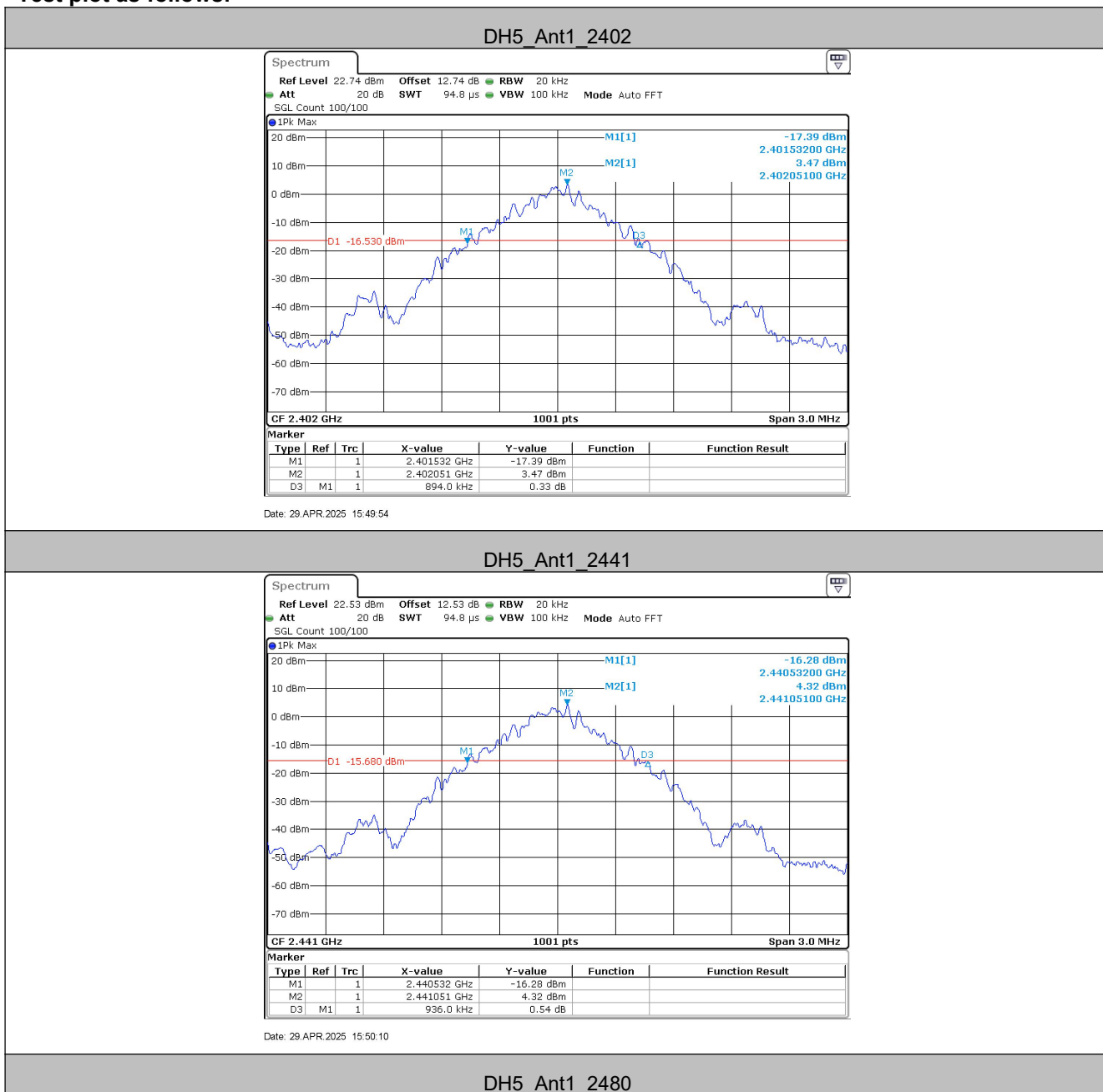
5.4 20dB Occupied Bandwidth

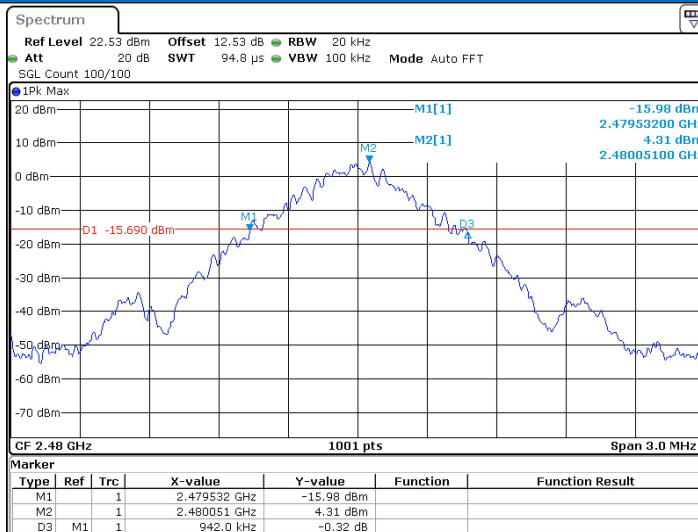
Test Requirement:	47 CFR Part 15C Section 15.247 (a)(1)
Test Method:	ANSI C63.10:2013
Test Setup:	 Remark: Offset=Cable loss+ attenuation factor.
Limit:	NA
Exploratory Test Mode:	Non-hopping transmitting with all kind of modulation and all kind of data type
Final Test Mode:	Only the worst case is recorded in the report.
Test Results:	Pass

Measurement Data

Test channel	20dB Occupy Bandwidth (MHz)		
	GFSK	$\pi/4$ DQPSK	8DPSK
Lowest	0.89	1.28	1.31
Middle	0.94	1.32	1.28
Highest	0.94	1.32	1.27

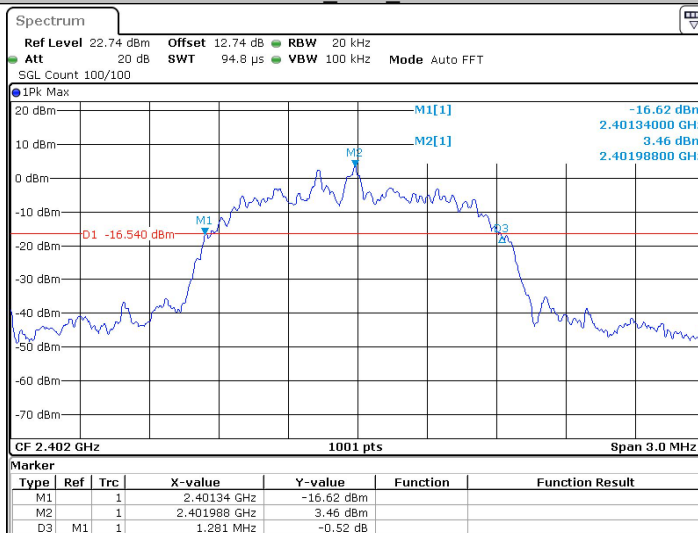
Test plot as follows:





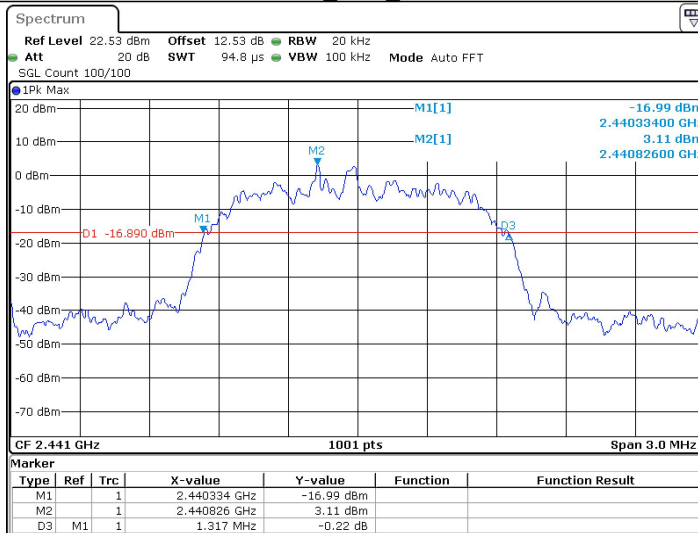
Date: 29.APR.2025 15:50:21

2DH5_Ant1_2402



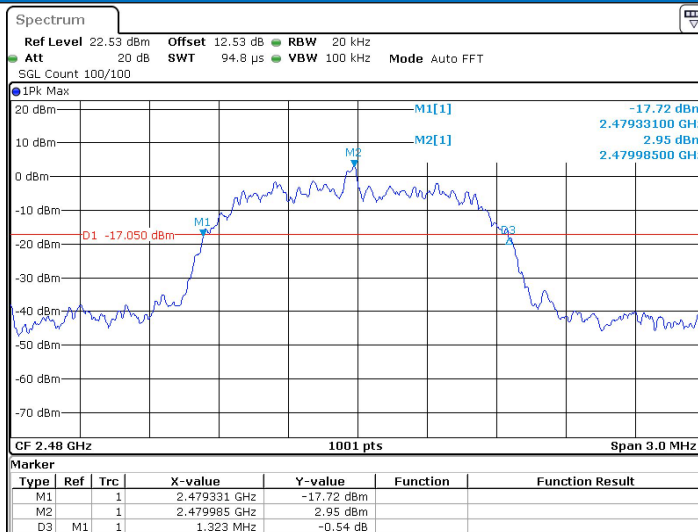
Date: 29.APR.2025 15:50:50

2DH5_Ant1_2441



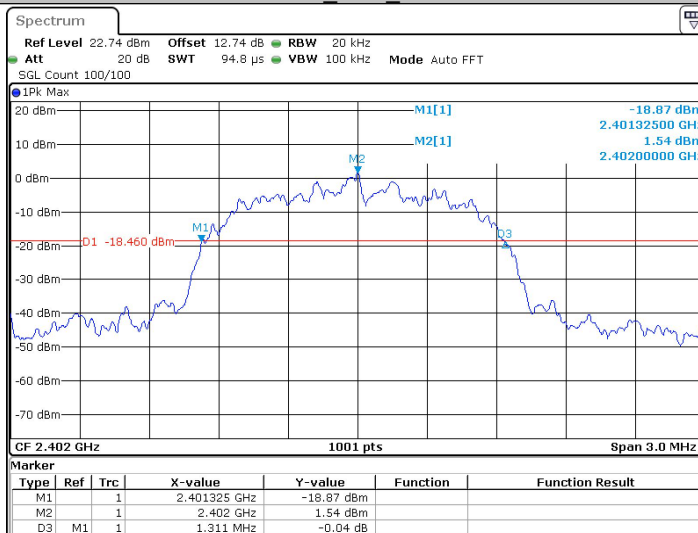
Date: 29.APR.2025 15:51:03

2DH5_Ant1_2480



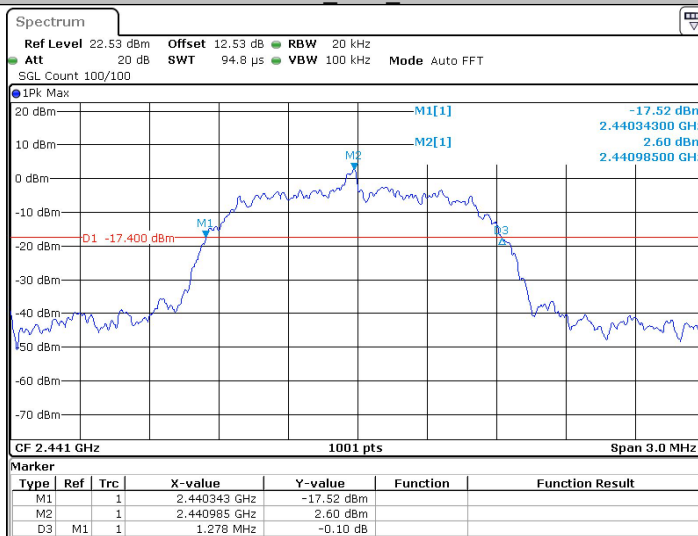
Date: 29.APR 2025 15:51:16

3DH5_Ant1_2402



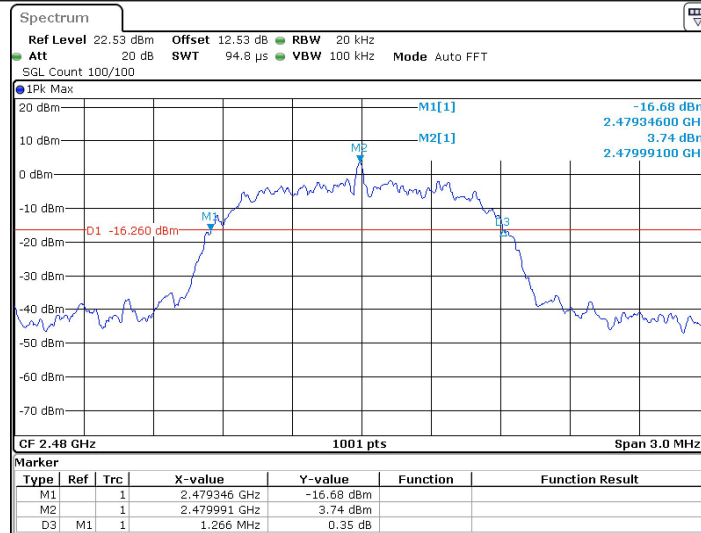
Date: 29.APR 2025 15:51:32

3DH5_Ant1_2441



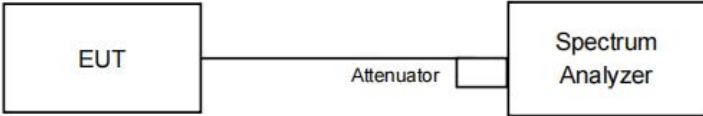
Date: 29.APR 2025 15:51:44

3DH5_Ant1_2480



Date: 29.APR.2025 15:51:57

5.5 Carrier Frequencies Separation

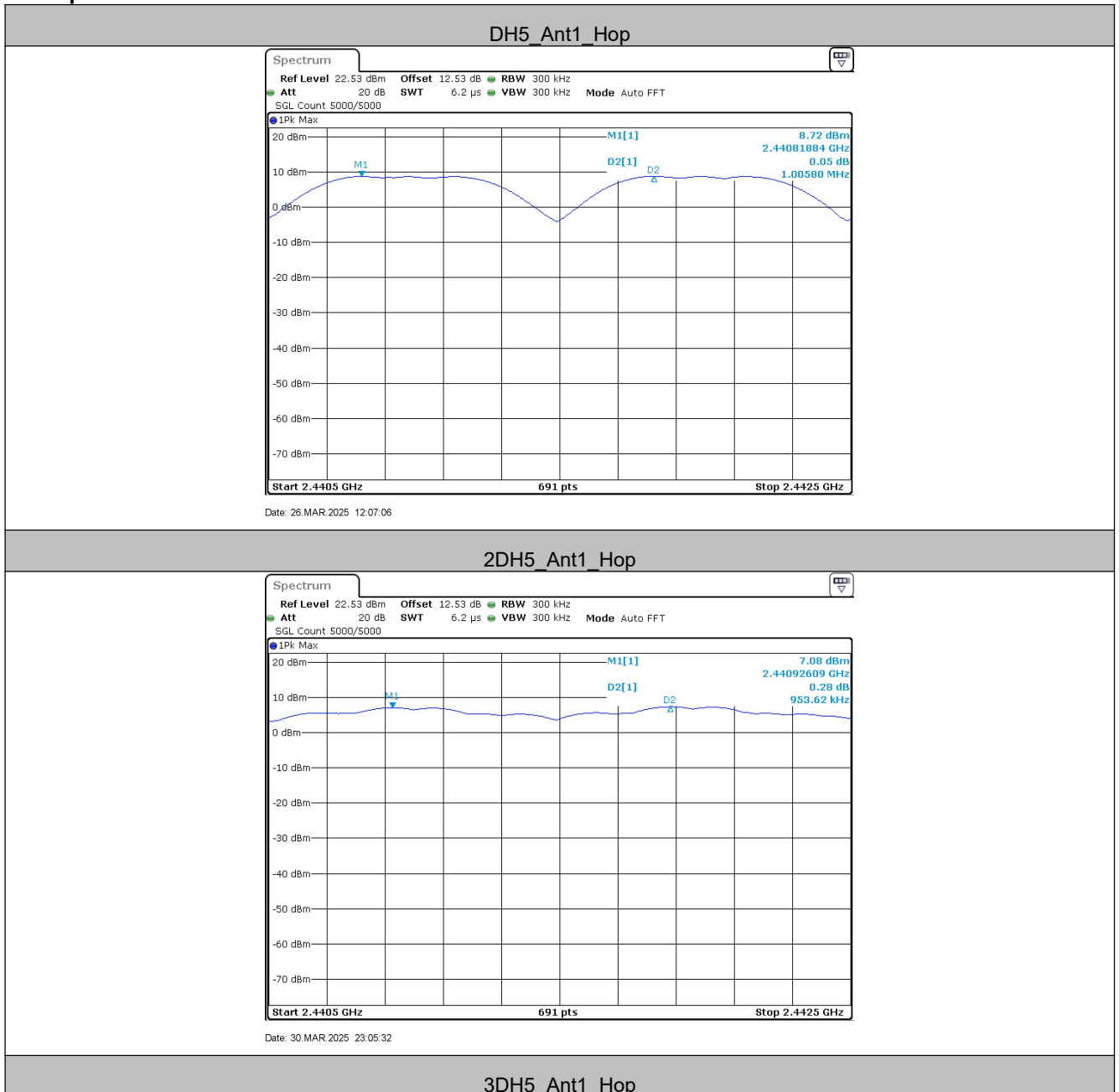
Test Requirement:	47 CFR Part 15C Section 15.247 (a)(1)
Test Method:	ANSI C63.10:2013
Test Setup:	 Remark: Offset=Cable loss+ attenuation factor.
Limit:	2/3 of the 20dB bandwidth
	Remark: the transmission power is less than 0.125W.
Exploratory Test Mode:	Hopping transmitting with all kind of modulation and all kind of data type
Final Test Mode:	Only the worst case is recorded in the report.
Test Results:	Pass

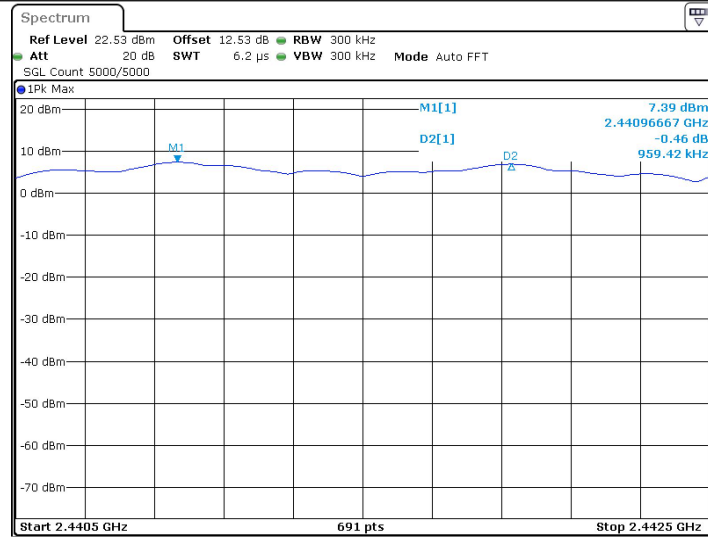
Measurement Data

TestMode	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Hop	1.006	≥ 0.627	PASS
2DH5	Hop	0.954	≥ 0.880	PASS
3DH5	Hop	0.959	≥ 0.873	PASS

Mode	20dB bandwidth (MHz) (worse case)	Limit (MHz) (Carrier Frequencies Separation)
GFSK	0.94	≥ 0.627
$\pi/4$ DQPSK	1.32	≥ 0.880
8DPSK	1.31	≥ 0.873

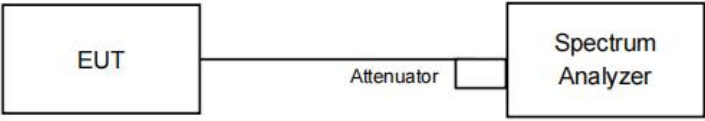
Test plot as follows:





Date: 30.MAR.2025 23:06:02

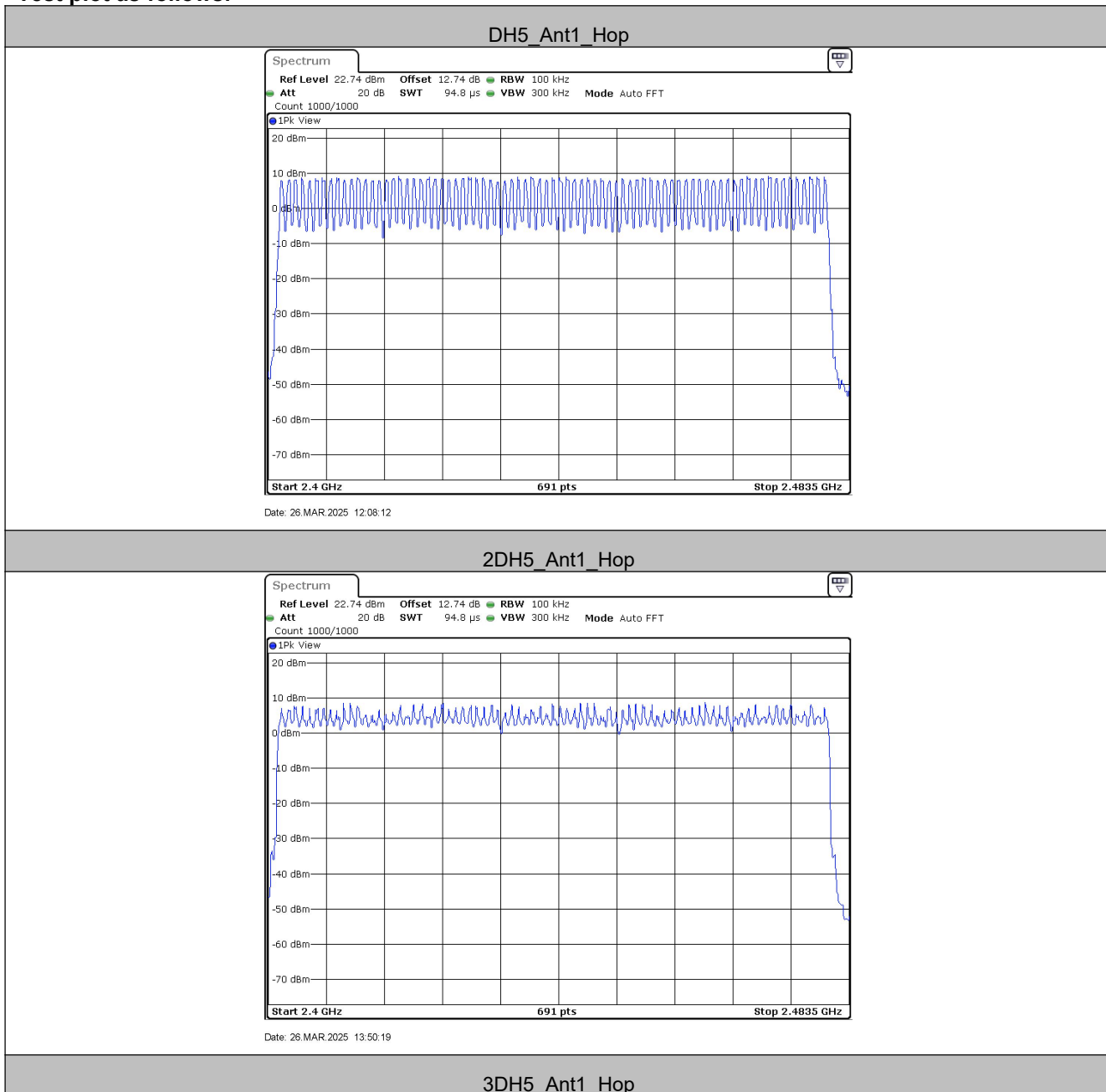
5.6 Hopping Channel Number

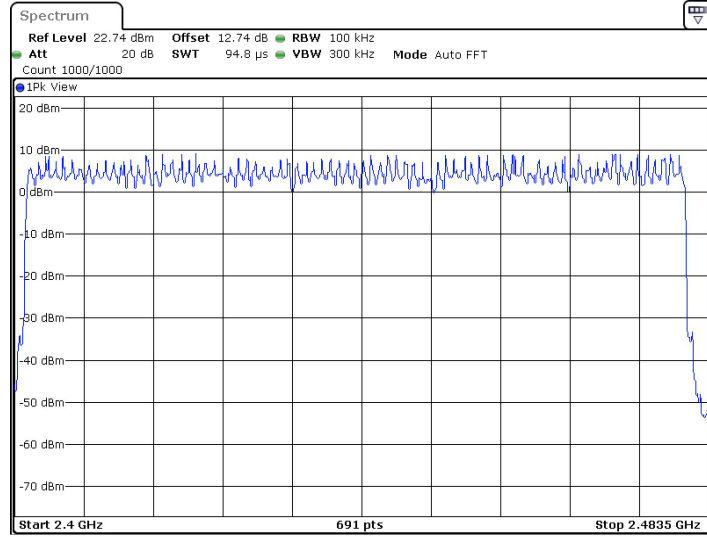
Test Requirement:	47 CFR Part 15C Section 15.247 (a)(1)
Test Method:	ANSI C63.10:2013
Test Setup:	 <i>Remark: Offset=Cable loss+ attenuation factor.</i>
Limit:	At least 15 channels
Exploratory Test Mode:	hopping transmitting with all kind of modulation and all kind of data type
Final Test Mode:	Only the worst case is recorded in the report.
Test Results:	Pass

Measurement Data

Mode	Hopping channel numbers	Limit
GFSK	79	≥15
$\pi/4$ DQPSK	79	≥15
8DPSK	79	≥15

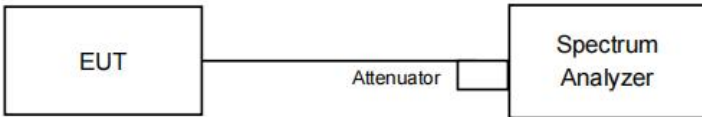
Test plot as follows:





Date: 26.MAR.2025 14:05:57

5.7 Dwell Time

Test Requirement:	47 CFR Part 15C Section 15.247 (a)(1)
Test Method:	ANSI C63.10:2013
Test Setup:	 Remark: Offset=Cable loss+ attenuation factor.
Test Mode:	Hopping transmitting with all kind of modulation and all kind of data type.
Limit:	0.4 Second
Test Results:	Pass

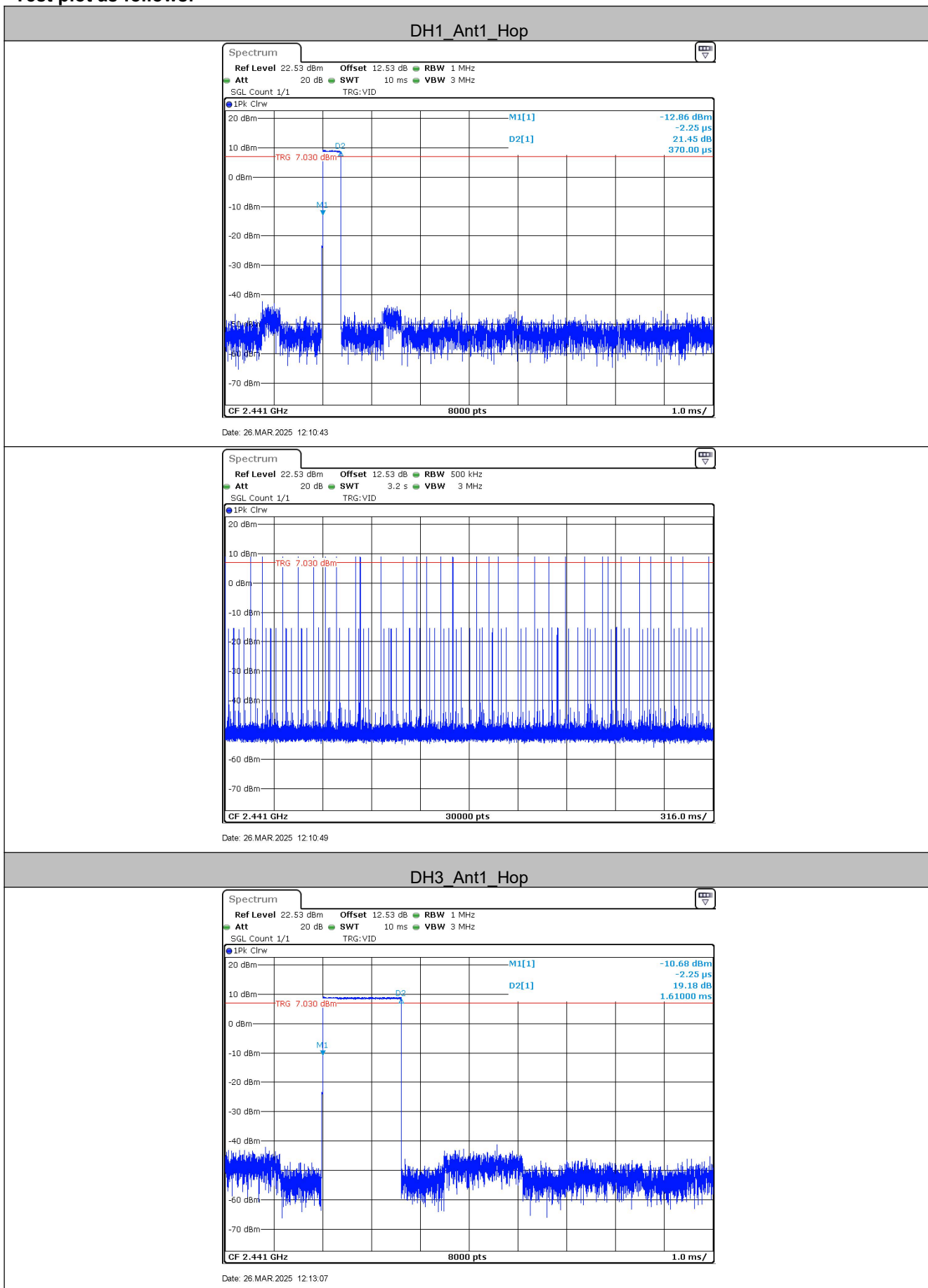
Measurement Data

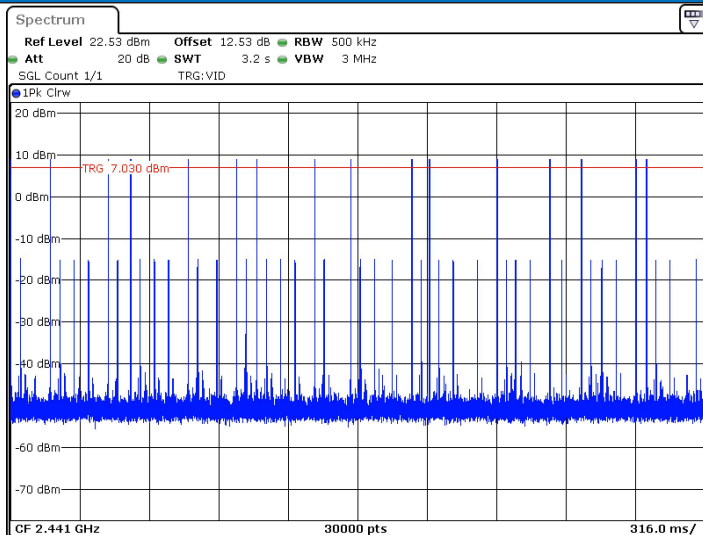
TestMode	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Hop	0.370	320	0.118	≤0.4	PASS
DH3	Hop	1.610	160	0.258	≤0.4	PASS
DH5	Hop	2.850	110	0.314	≤0.4	PASS
2DH1	Hop	0.376	330	0.124	≤0.4	PASS
2DH3	Hop	1.621	160	0.259	≤0.4	PASS
2DH5	Hop	2.862	120	0.343	≤0.4	PASS
3DH1	Hop	0.378	320	0.121	≤0.4	PASS
3DH3	Hop	1.619	160	0.259	≤0.4	PASS
3DH5	Hop	2.863	110	0.315	≤0.4	PASS

Remark:

The test period: T= 0.4 Second/Channel x 79 Channel = 31.6 s

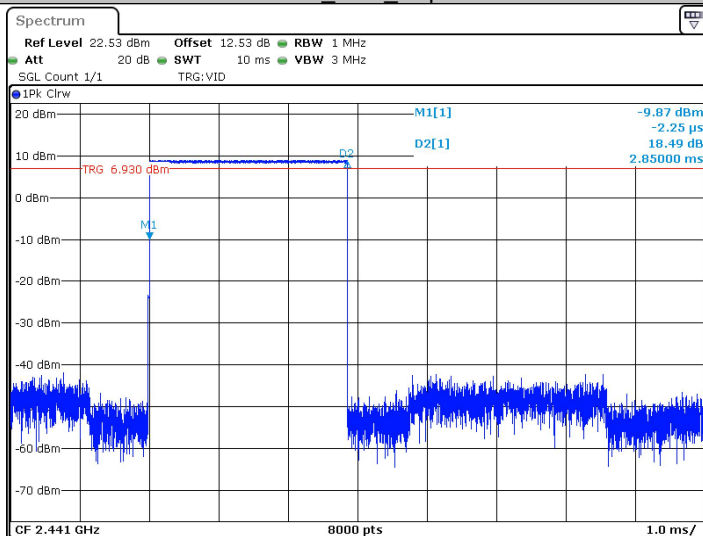
Test plot as follows:



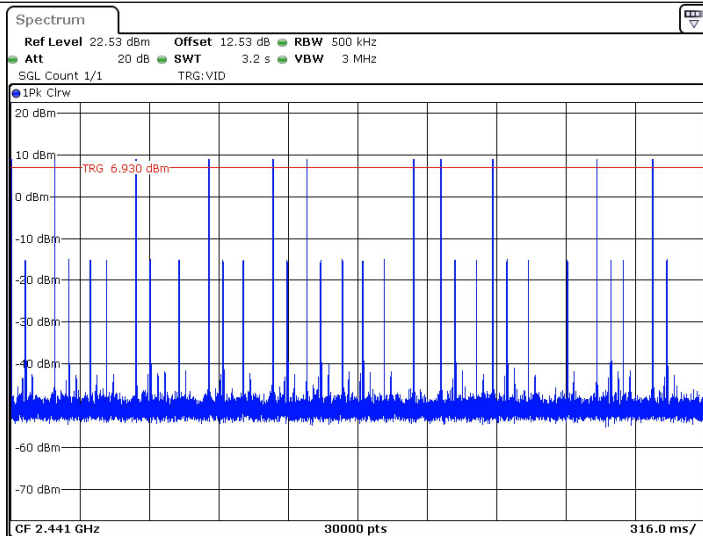


Date: 26.MAR.2025 12:13:12

DH5_Ant1_Hop



Date: 26.MAR.2025 12:08:27



Date: 26.MAR.2025 12:08:33

2DH1_Ant1_Hop