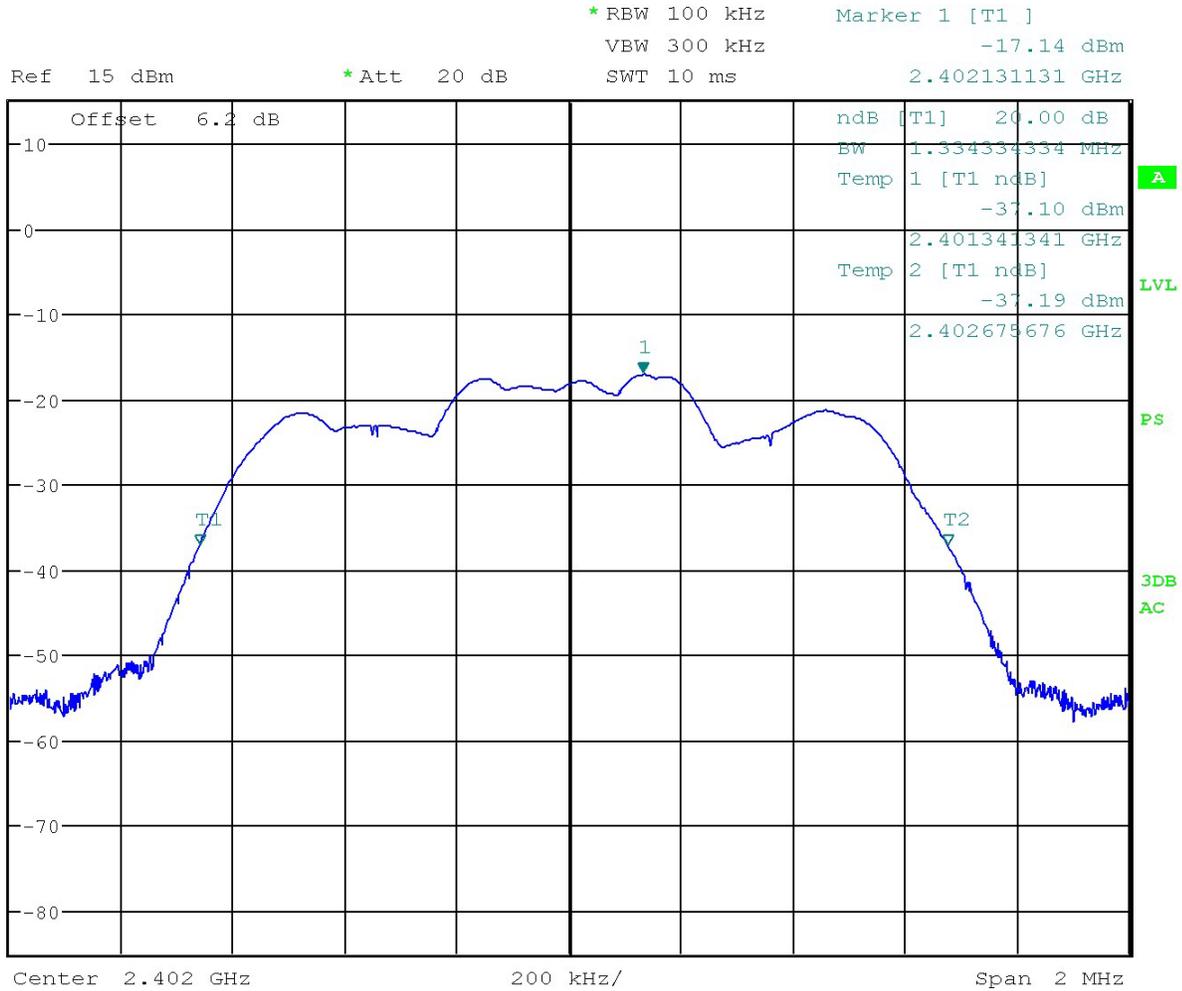


20dB Bandwidth, Spectrum Plots DQPSK

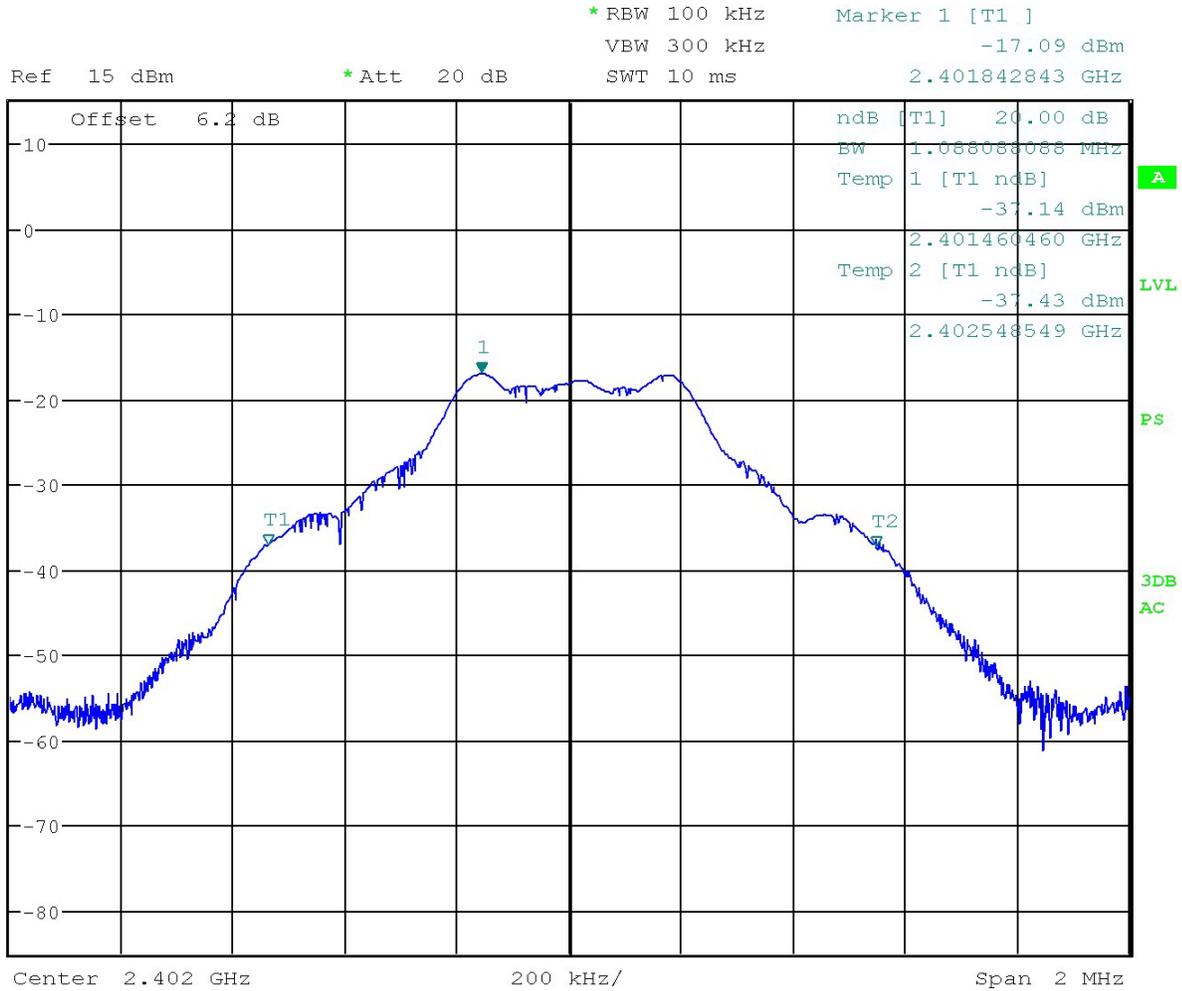
8.3.4 20 dB Bandwidth, 2402 MHz- DQPSK



Date: 7.JAN.2025 08:44:11

20dB Bandwidth, Spectrum Plots -8DPSK

8.3.7 20 dB Bandwidth, 2402 MHz- 8DPSK



Date: 7.JAN.2025 08:29:35

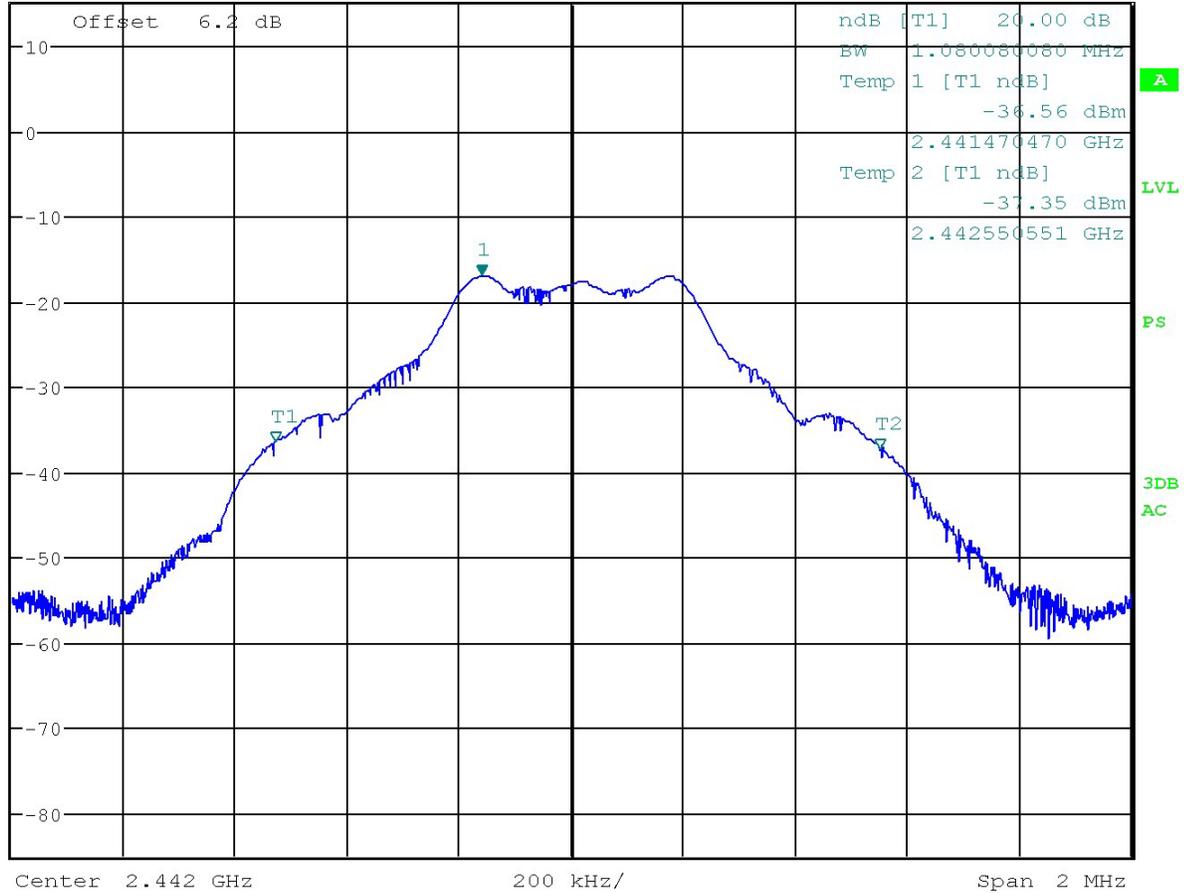
8.3.8 20 dB Bandwidth, 2442 MHz- 8DPSK



* RBW 100 kHz Marker 1 [T1]
 VBW 300 kHz -17.01 dBm
 SWT 10 ms 2.441840841 GHz

Ref 15 dBm * Att 20 dB

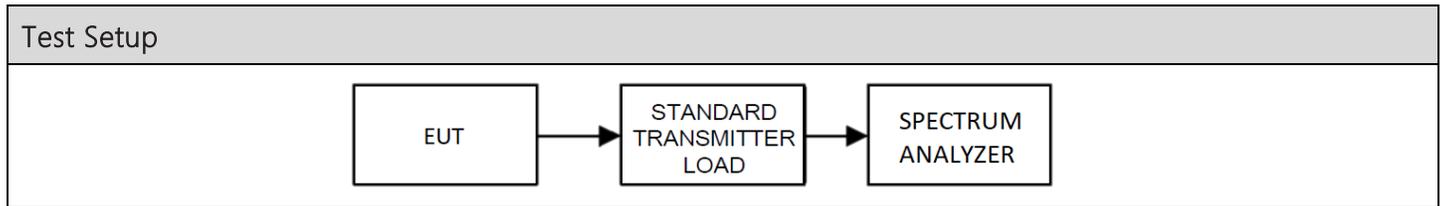
1 PK
VIEW



Date: 7.JAN.2025 08:31:21

8.4 Hopping Characteristics

Limits from FCC 15.247(a)(1)(i) or 15.247 (f) as applicable, and test procedure from ANSI C63.10-2013 section 11.10



Test Results - GFSK	
Carrier Frequency Separation	1.005 MHz
Number of Hopping Frequencies	79
Time of Occupancy	2.896ms
Dwell Time in 10 s	228.79ms

Test Results - DQPSK	
Carrier Frequency Separation	1.003 MHz
Number of Hopping Frequencies	79
Time of Occupancy	2.928ms
Dwell Time in 10 s	231.31ms

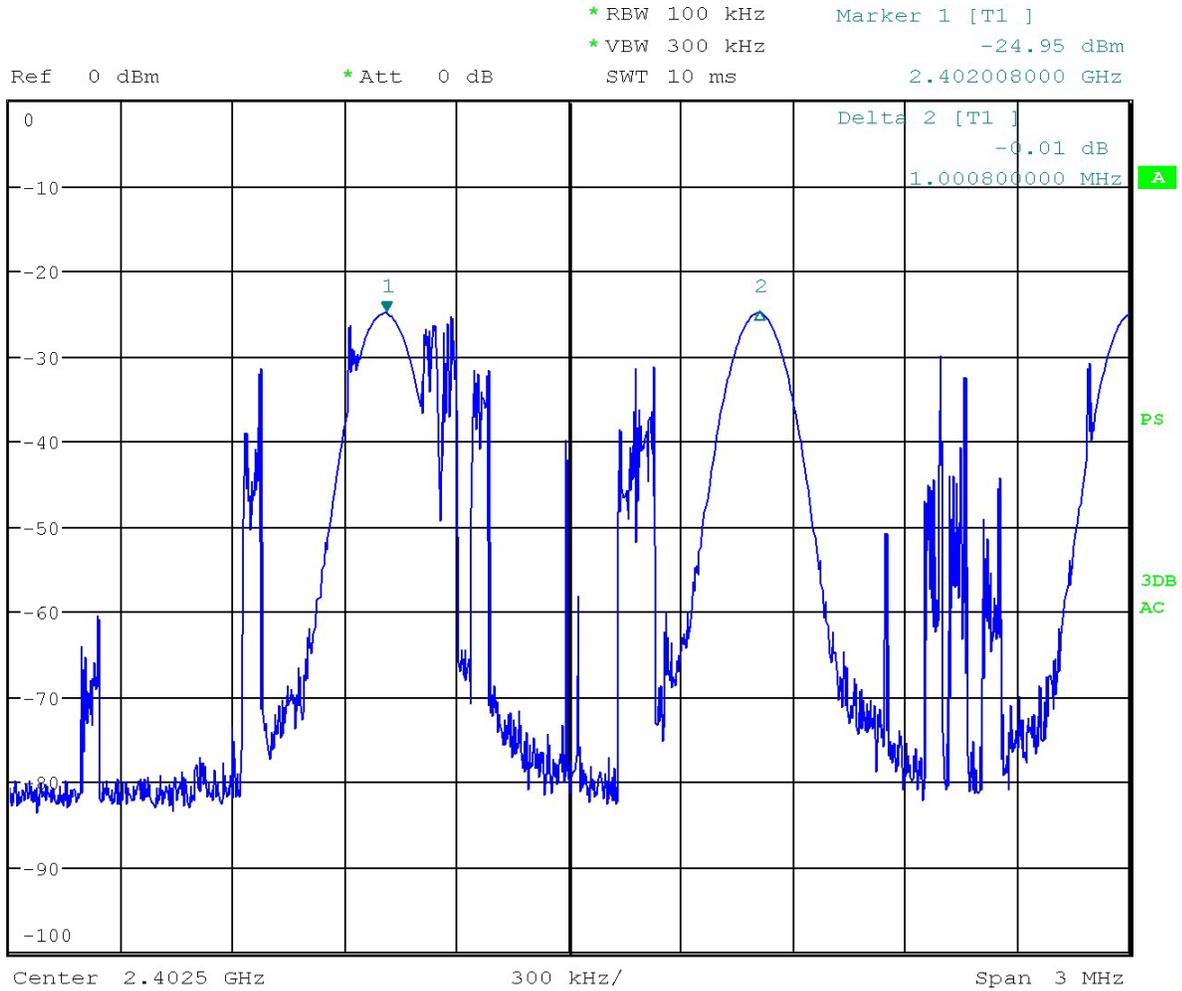
Test Results – 8DPSK	
Carrier Frequency Separation	1.008 MHz
Number of Hopping Frequencies	79
Time of Occupancy	2.912ms
Dwell Time in 10 s	230.04ms

8.4.1 Hopping Channel Occupancy Time

Modulation	Number of hops	Dwell Time (ms)	Total Occupancy Time (ms)	Limit (sec)	Pass / Fail
GFSK	79	2.896ms	228.784	≤ 0.4	Pass
DQPSK	79	2.928ms	231.312	≤ 0.4	Pass
8DPSK	79	2.912ms	230.048	≤ 0.4	Pass

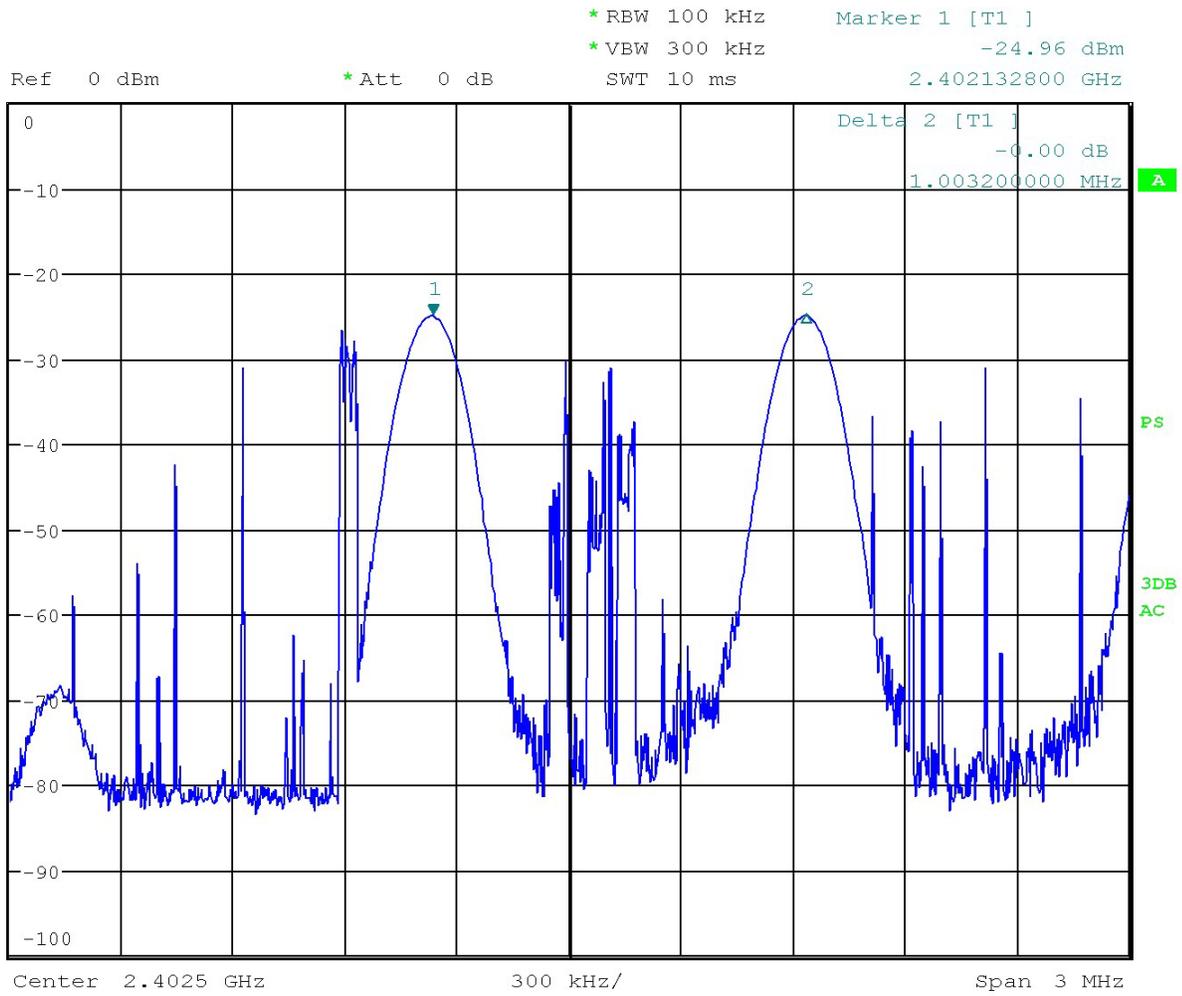
Hopping Characteristics, Spectrum Plots

8.4.2 Carrier Frequency Separation Plot - 8DPSK



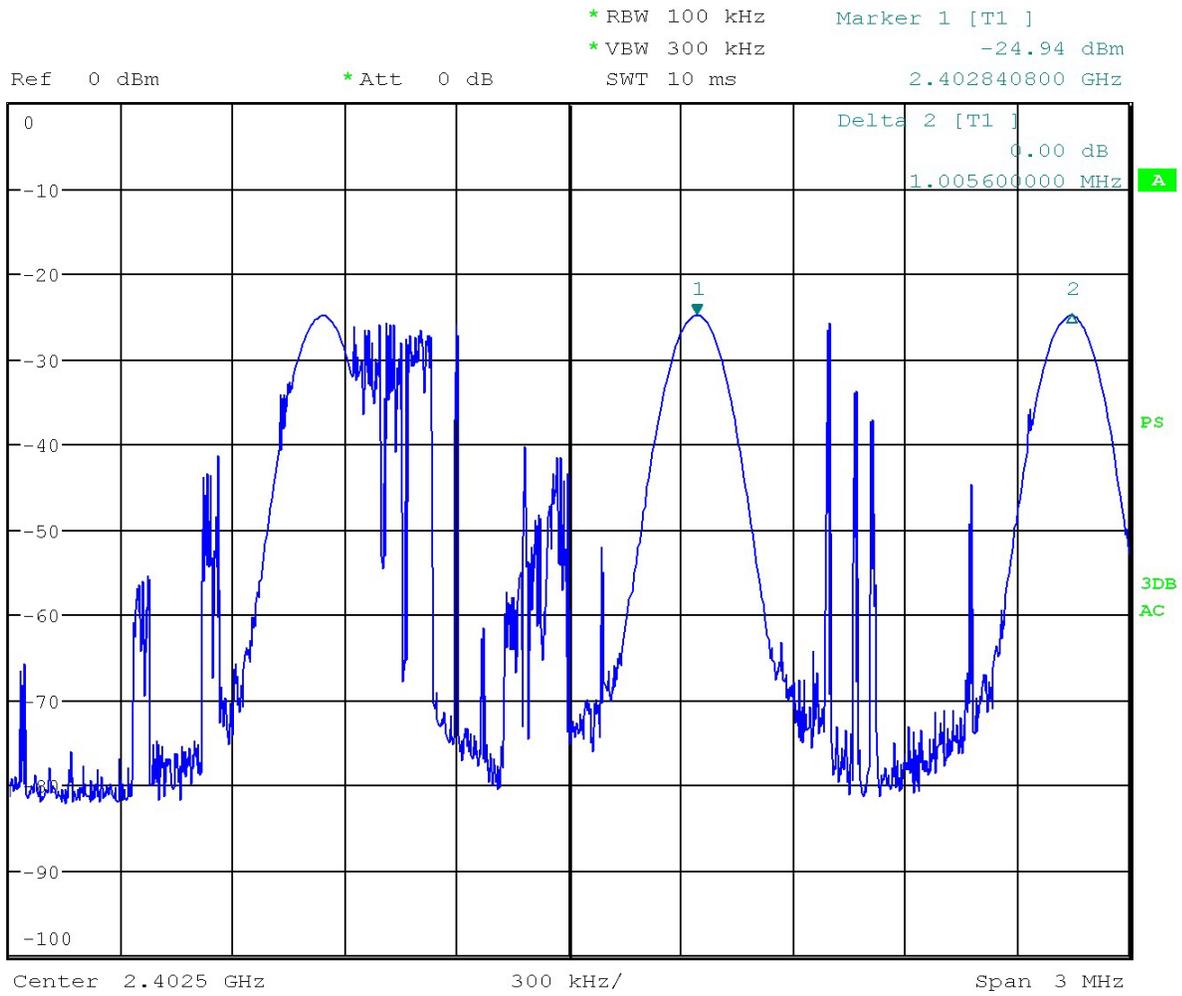
Date: 7.JAN.2025 11:20:30

8.4.3 Carrier Frequency Separation Plot – DQPSK



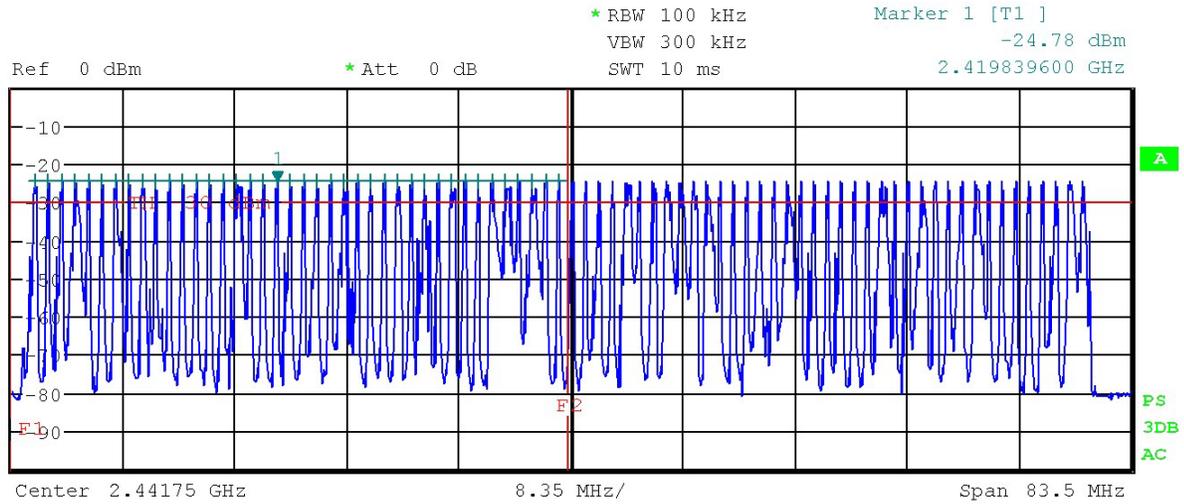
Date: 7.JAN.2025 11:19:07

8.4.4 Carrier Frequency Separation Plot - GFSK



Date: 7.JAN.2025 11:16:14

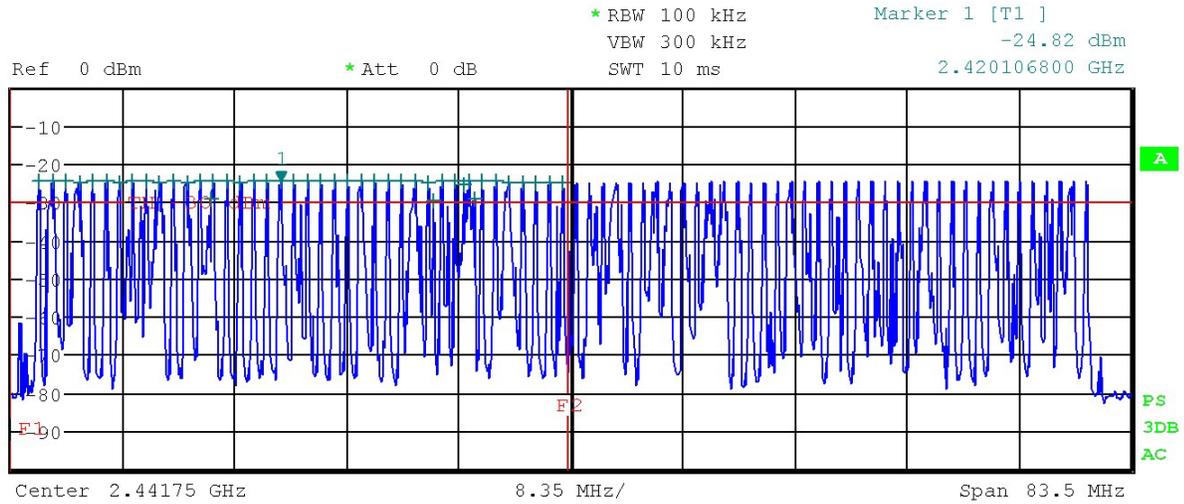
8.4.5 Number of Hopping Frequencies Plot- GFSK



#	Frequency	Level	#	Frequency	Level
1	2.401804 GHz	-24.86 dBm	13	2.413828 GHz	-24.80 dBm
2	2.402806 GHz	-24.82 dBm	14	2.414830 GHz	-24.83 dBm
3	2.403808 GHz	-24.83 dBm	15	2.415832 GHz	-24.79 dBm
4	2.404810 GHz	-24.80 dBm	16	2.416834 GHz	-24.81 dBm
5	2.405812 GHz	-24.86 dBm	17	2.417836 GHz	-24.81 dBm
6	2.406814 GHz	-24.81 dBm	18	2.418838 GHz	-24.79 dBm
7	2.407816 GHz	-24.85 dBm	19	2.419840 GHz	-24.78 dBm
8	2.408818 GHz	-24.83 dBm	20	2.420842 GHz	-24.78 dBm
9	2.409820 GHz	-24.82 dBm	21	2.421844 GHz	-24.78 dBm
10	2.410822 GHz	-24.81 dBm	22	2.422846 GHz	-24.79 dBm
11	2.411824 GHz	-24.80 dBm	23	2.423848 GHz	-24.78 dBm
12	2.412826 GHz	-24.80 dBm	24	2.424850 GHz	-24.80 dBm

Date: 7.JAN.2025 11:30:45

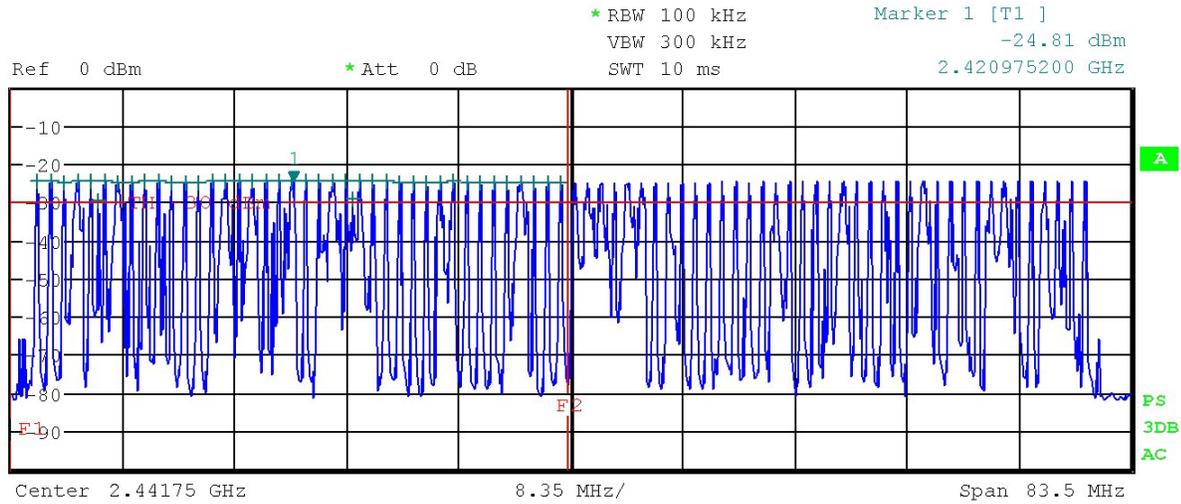
8.4.6 Number of Hopping Frequencies Plot- DQPSK



#	Frequency	Level	#	Frequency	Level
1	2.402138 GHz	-24.88 dBm	13	2.414095 GHz	-24.83 dBm
2	2.403140 GHz	-24.86 dBm	14	2.414896 GHz	-29.37 dBm
3	2.404142 GHz	-24.88 dBm	15	2.415097 GHz	-24.87 dBm
4	2.405144 GHz	-24.89 dBm	16	2.416099 GHz	-24.84 dBm
5	2.406146 GHz	-24.86 dBm	17	2.417101 GHz	-24.89 dBm
6	2.407148 GHz	-24.85 dBm	18	2.418103 GHz	-24.84 dBm
7	2.408150 GHz	-24.89 dBm	19	2.419105 GHz	-24.83 dBm
8	2.409085 GHz	-24.85 dBm	20	2.420107 GHz	-24.82 dBm
9	2.410087 GHz	-24.85 dBm	21	2.421109 GHz	-24.82 dBm
10	2.411089 GHz	-24.89 dBm	22	2.422111 GHz	-24.88 dBm
11	2.412091 GHz	-24.85 dBm	23	2.423113 GHz	-24.82 dBm
12	2.413160 GHz	-24.89 dBm	24	2.424115 GHz	-24.85 dBm

Date: 7.JAN.2025 11:29:32

8.4.7 Number of Hopping Frequencies Plot- 8DPSK



#	Frequency	Level	#	Frequency	Level
1	2.402004 GHz	-24.88 dBm	13	2.413026 GHz	-24.89 dBm
2	2.403006 GHz	-24.84 dBm	14	2.414028 GHz	-24.89 dBm
3	2.403941 GHz	-24.89 dBm	15	2.415030 GHz	-24.85 dBm
4	2.405010 GHz	-24.87 dBm	16	2.416032 GHz	-24.88 dBm
5	2.406012 GHz	-24.83 dBm	17	2.417034 GHz	-24.86 dBm
6	2.406546 GHz	-29.81 dBm	18	2.418036 GHz	-24.83 dBm
7	2.407014 GHz	-24.83 dBm	19	2.419038 GHz	-24.84 dBm
8	2.408016 GHz	-24.90 dBm	20	2.420040 GHz	-24.85 dBm
9	2.409018 GHz	-24.89 dBm	21	2.420975 GHz	-24.81 dBm
10	2.410020 GHz	-24.88 dBm	22	2.421977 GHz	-24.82 dBm
11	2.411022 GHz	-24.84 dBm	23	2.422979 GHz	-24.86 dBm
12	2.412024 GHz	-24.88 dBm	24	2.423981 GHz	-24.83 dBm

Date: 7.JAN.2025 11:26:50