

6 Carrier Frequencies Separation

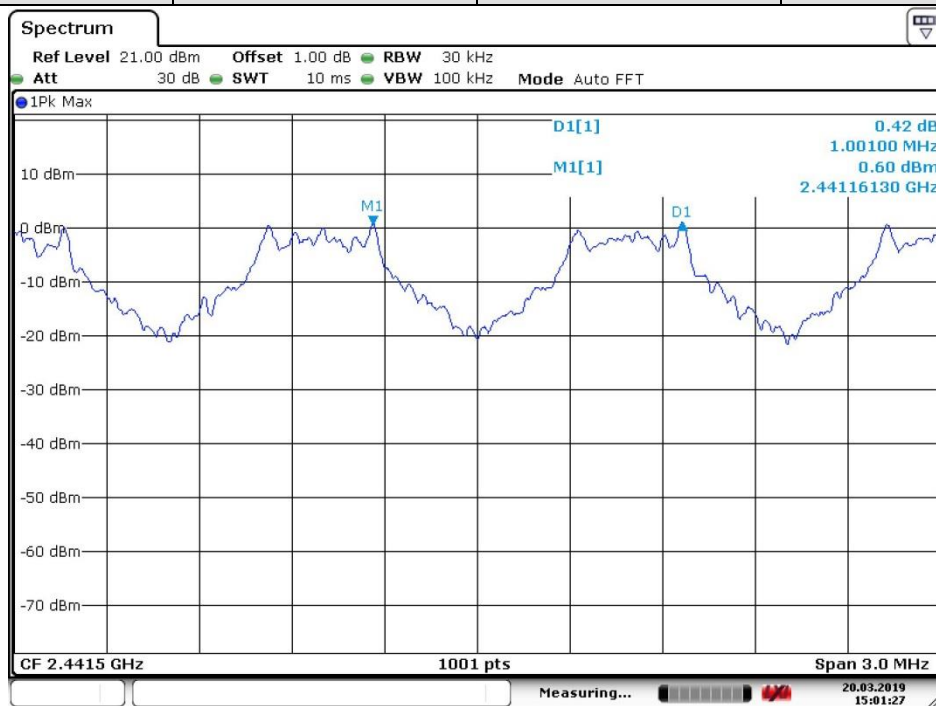
6.1 Test Results

GFSK mode			
Test channel	Carrier Frequencies Separation (kHz)	Limit (kHz)	Result
Middle	1001	613.4	Pass
π /4DQPSK mode			
Test channel	Carrier Frequencies Separation (kHz)	Limit (kHz)	Result
Middle	1001	911.1	Pass
8DPSK mode			
Test channel	Carrier Frequencies Separation (kHz)	Limit (kHz)	Result
Middle	998	871.1	Pass

Mode	20dB bandwidth (kHz) (worse case)	Limit (kHz) (Carrier Frequencies Separation)
GFSK	920.1	613.4
π /4DQPSK	1366.6	911.1
8DPSK	1306.7	871.1

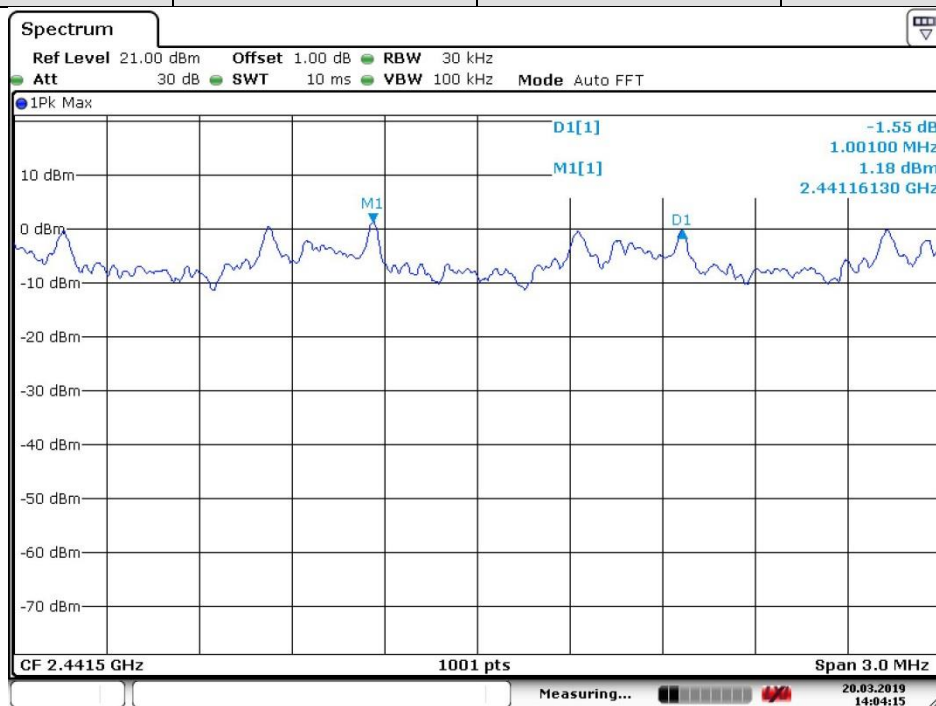
6.2 Test plots:

Test mode:	GFSK	Test channel:	Middle
------------	------	---------------	--------



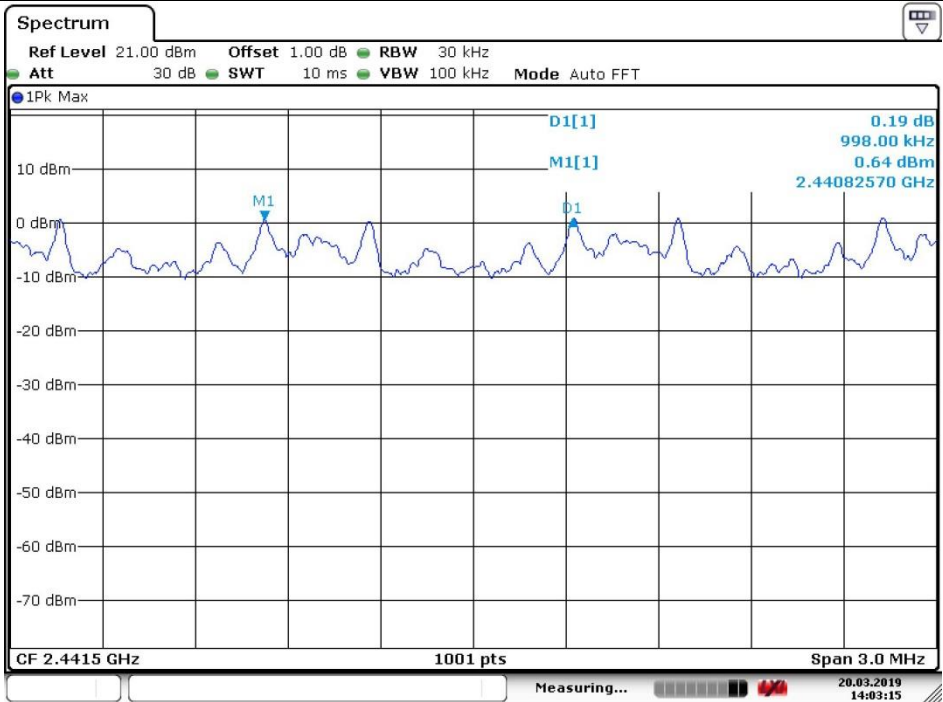
Date: 20.MAR.2019 15:01:27

Test mode:	$\pi/4$ DQPSK	Test channel:	Middle
------------	---------------	---------------	--------



Date: 20.MAR.2019 14:04:16

Test mode:	8DPSK	Test channel:	Middle
------------	-------	---------------	--------



Date: 20.MAR.2019 14:03:15

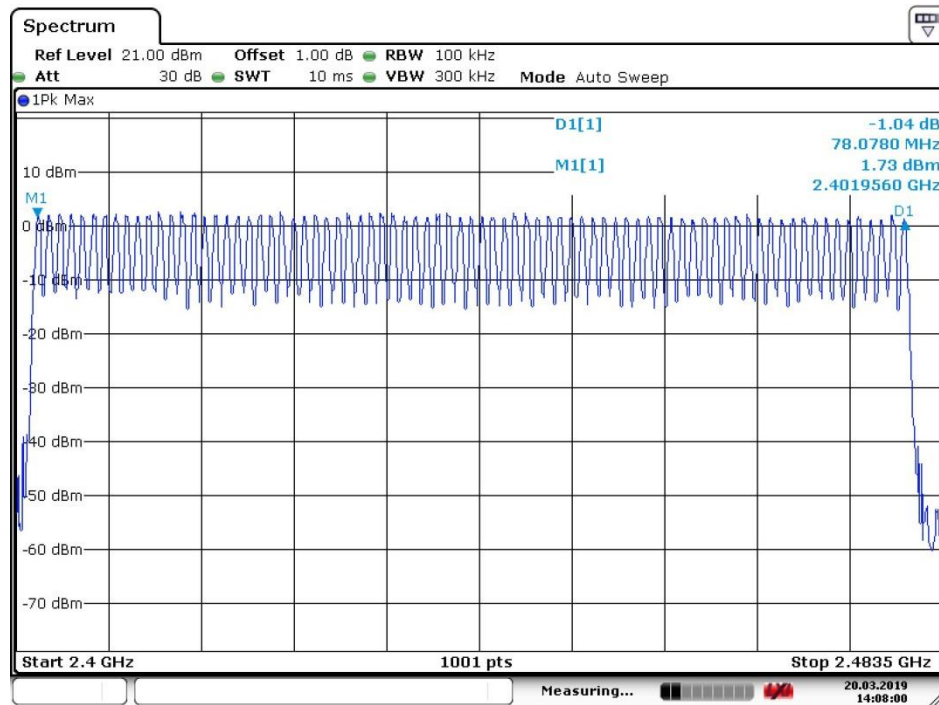
7 Hopping Channel Number

7.1 Test Results

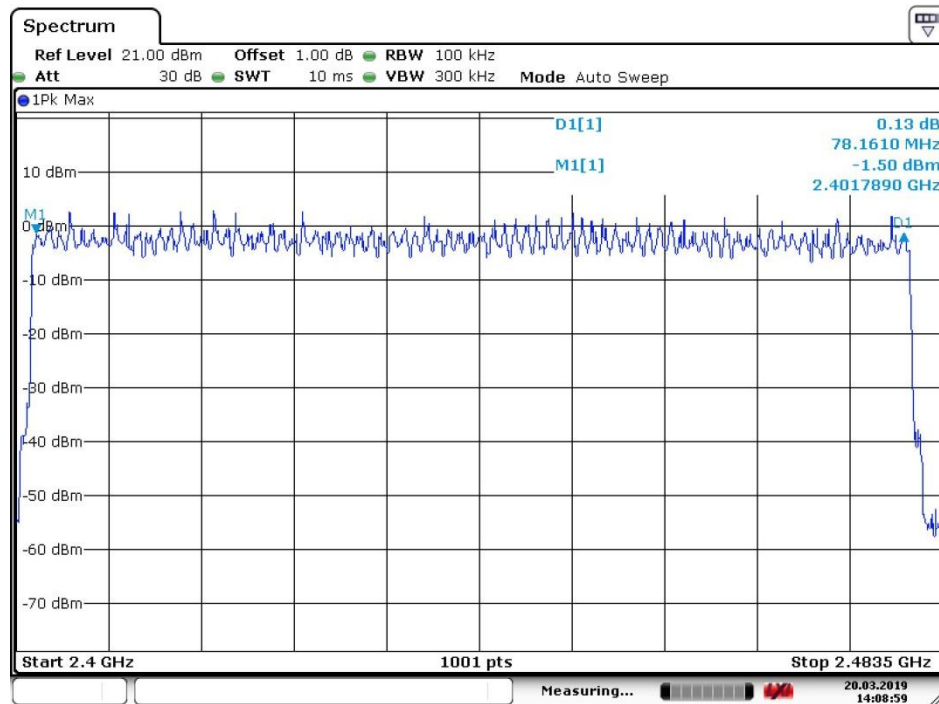
Mode	Hopping channel numbers	Limit
GFSK	79	≥ 15
$\pi/4$ DQPSK	79	≥ 15
8DPSK	79	≥ 15

7.2 Test plots

GFSK



Date: 20.MAR.2019 14:08:00

 $\pi/4$ DQPSK

Date: 20.MAR.2019 14:09:00

Date: 20.MAR.2019 14:09:54

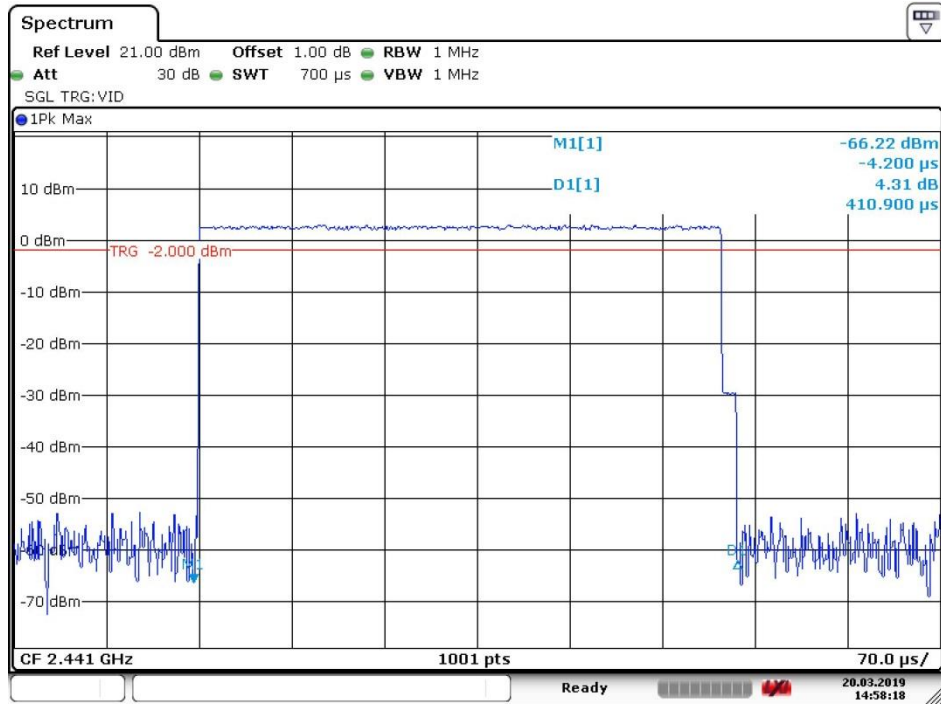
8 Dwell Time

8.1 Test Results

Operation Modes	On time (ms) on one channel
DH1	0.411
DH3	1.671
DH5	2.925
2-DH1	0.420
2-DH3	1.683
2-DH5	2.925
3-DH1	0.421
3-DH3	1.677
3-DH5	2.925

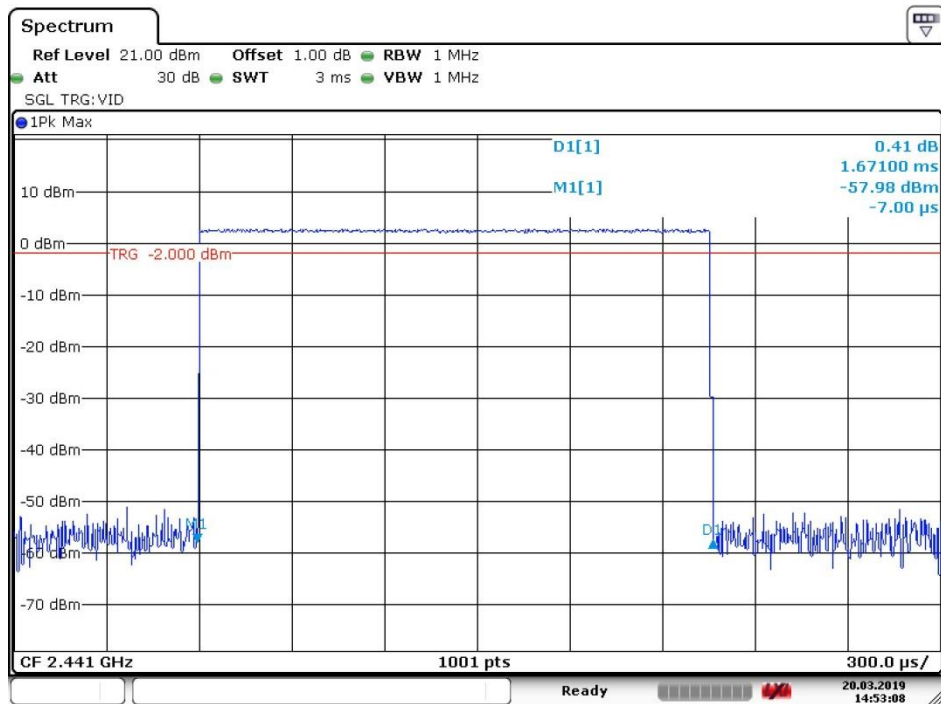
8.2 Test plots

DH1 _ Middle Channel



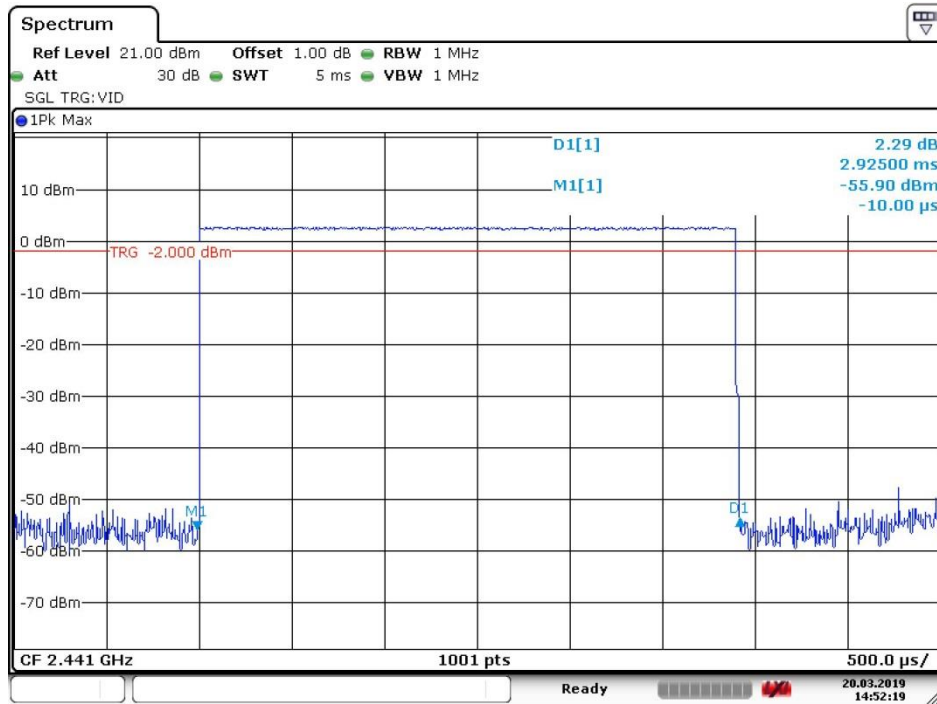
Date: 20.MAR.2019 14:58:18

DH3 _ Middle Channel



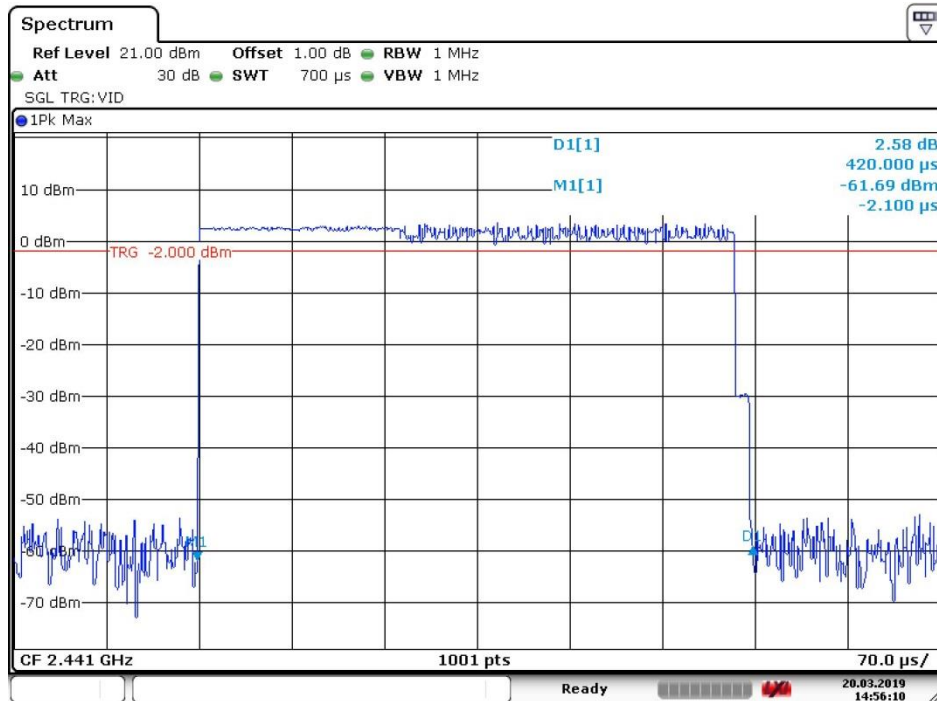
Date: 20.MAR.2019 14:53:08

DH5 _ Middle Channel



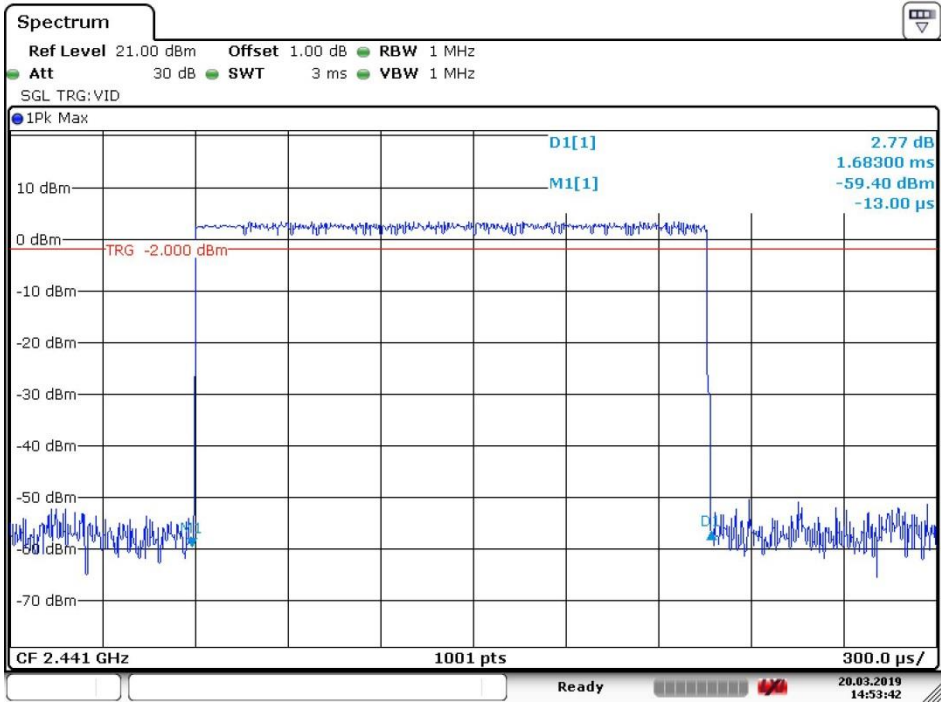
Date: 20.MAR.2019 14:52:20

2DH1 _ Middle Channel



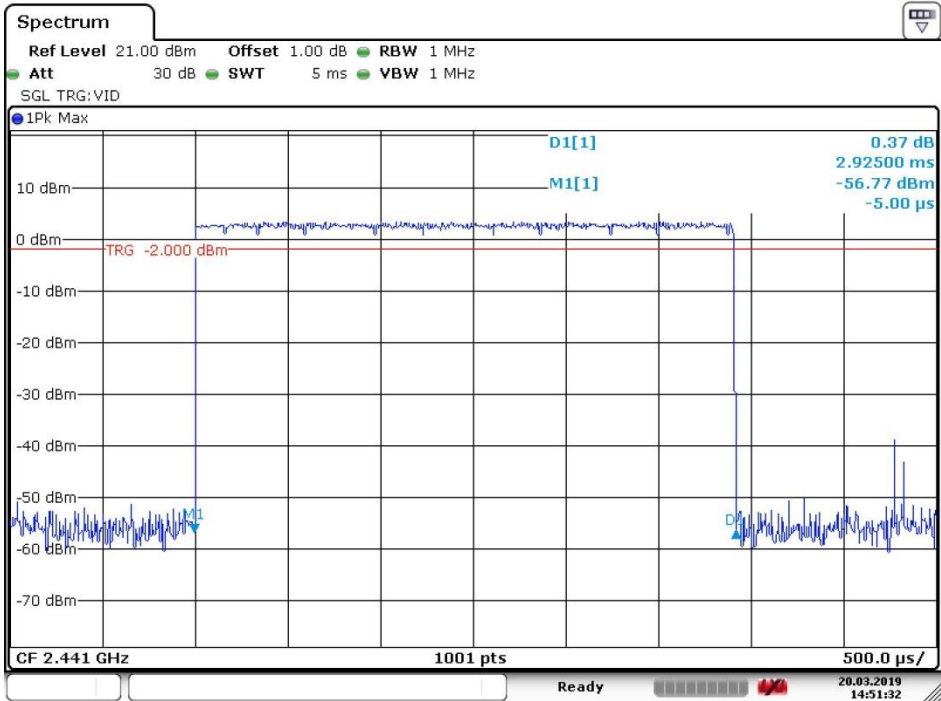
Date: 20.MAR.2019 14:56:10

2DH3 _ Middle Channel



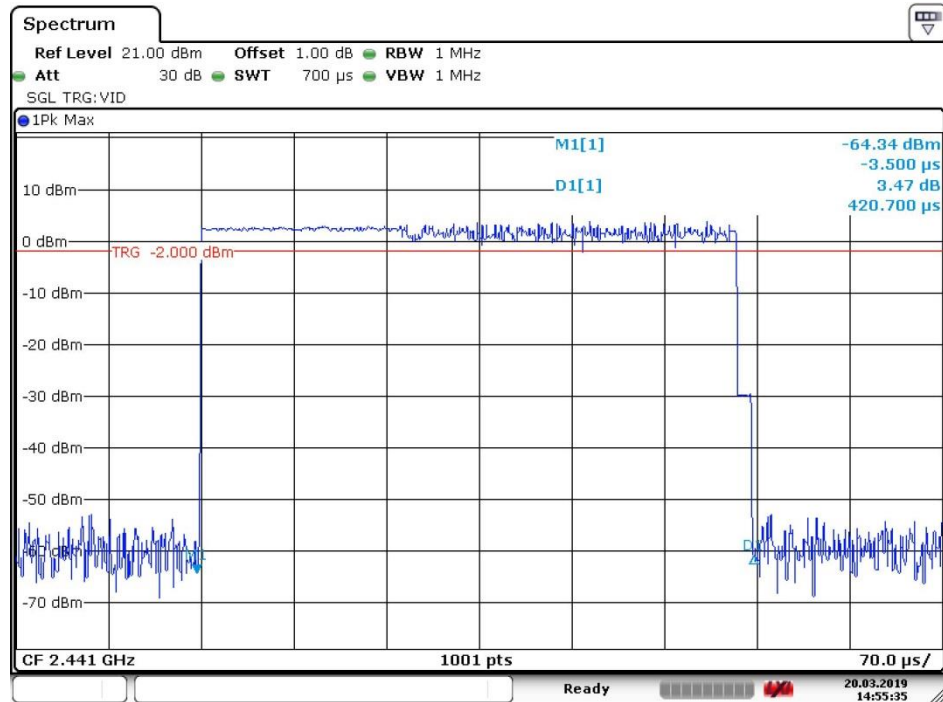
Date: 20.MAR.2019 14:53:43

2DH5 _ Middle Channel



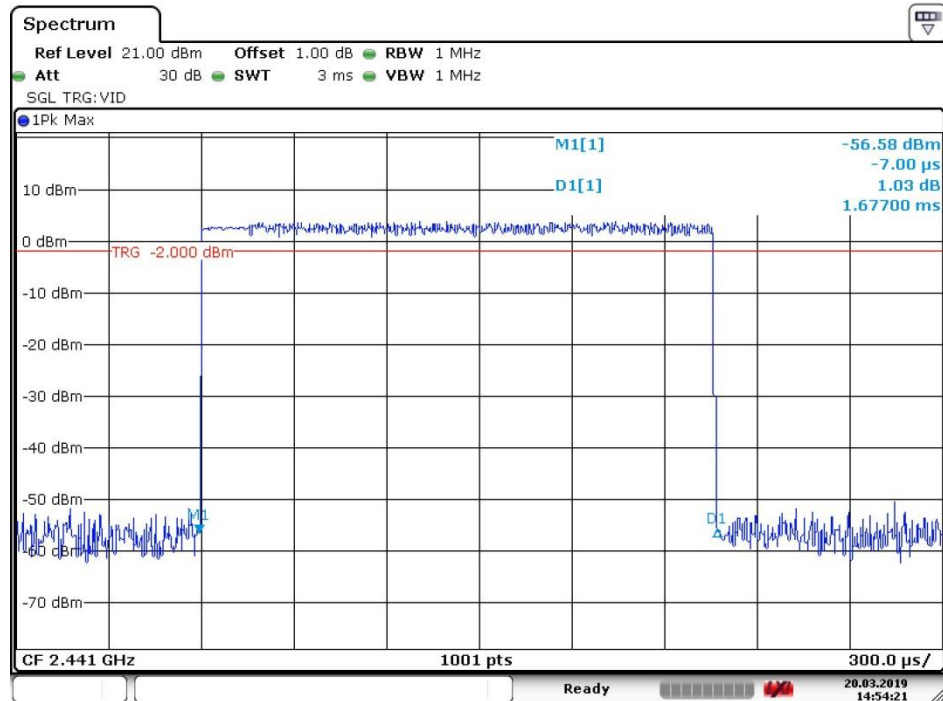
Date: 20.MAR.2019 14:51:32

3DH1 _ Middle Channel



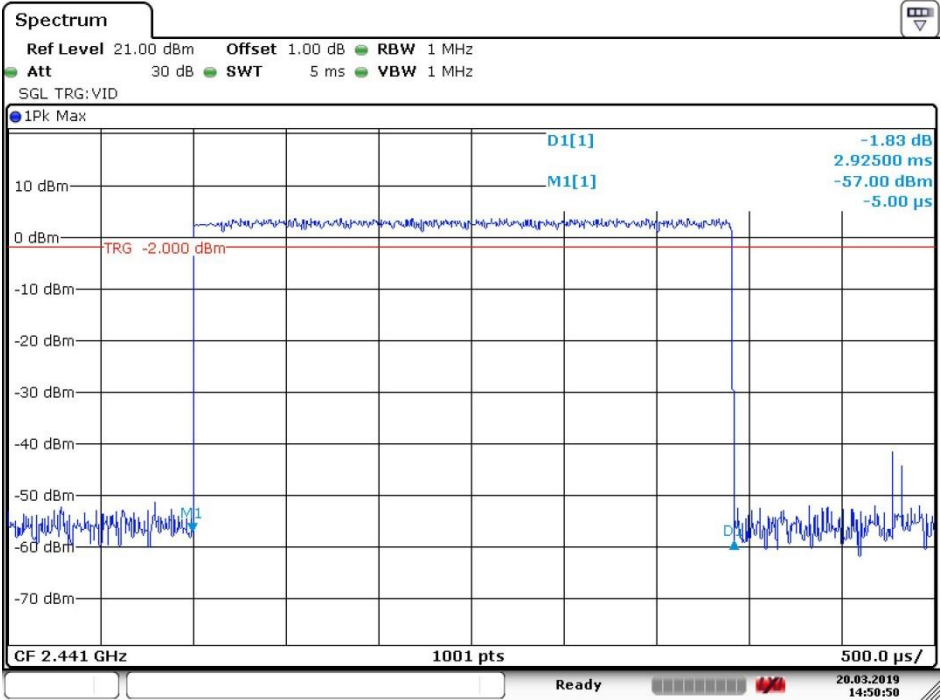
Date: 20.MAR.2019 14:55:35

3DH3 _ Middle Channel



Date: 20.MAR.2019 14:54:22

3DH5 _ Middle Channel

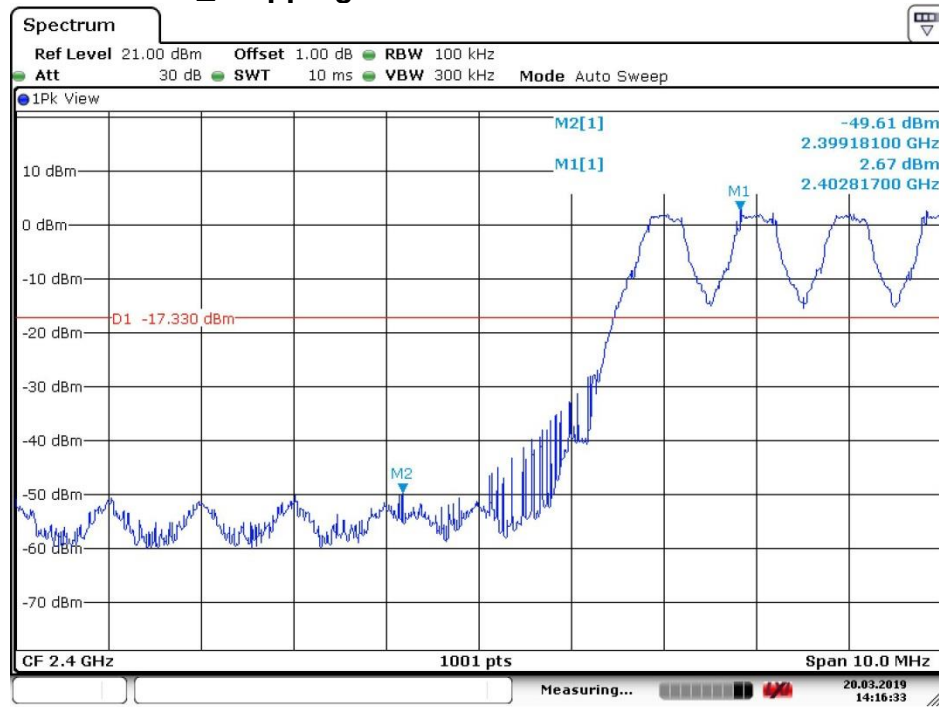


Date: 20.MAR.2019 14:50:50

9 Band-edge for RF Conducted Emissions

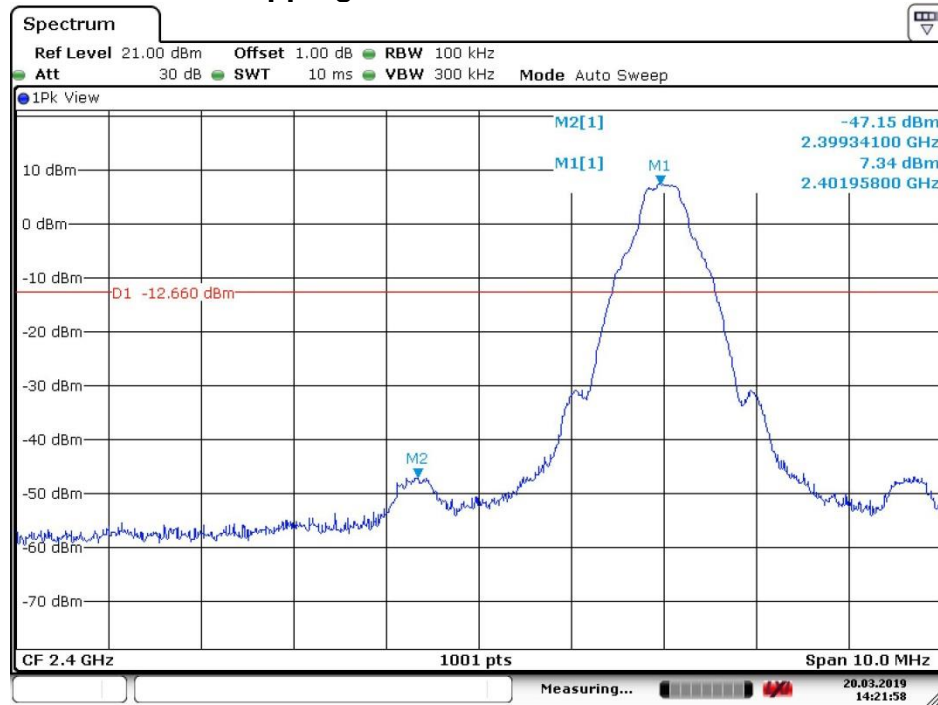
9.1 Test plots

GFSK _Lowest Channel_ Hopping ON



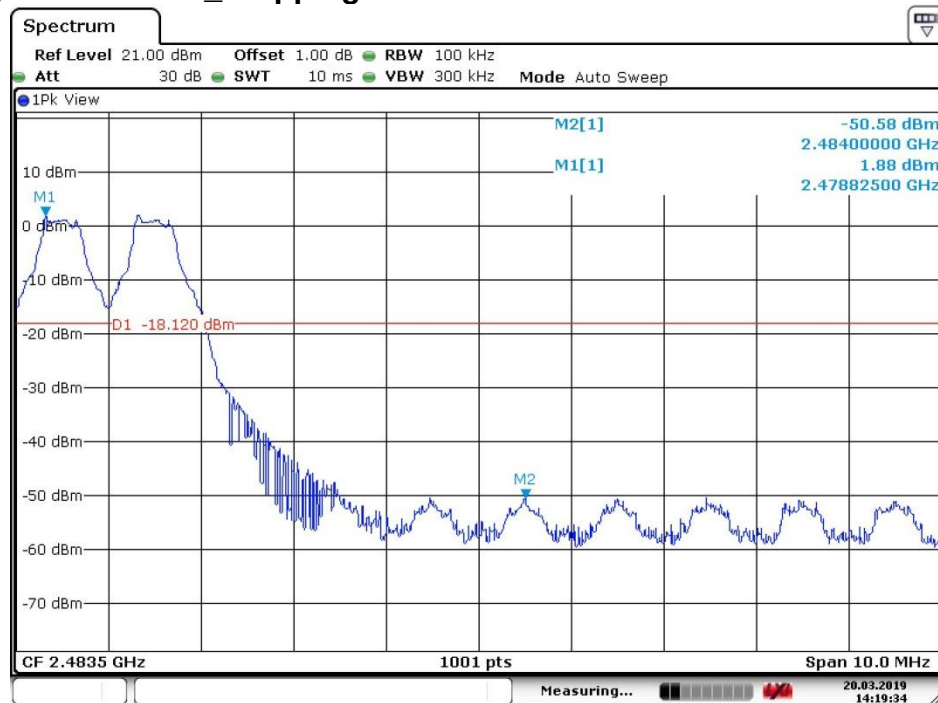
Date: 20.MAR.2019 14:16:33

GFSK _Lowest Channel_ Hopping OFF



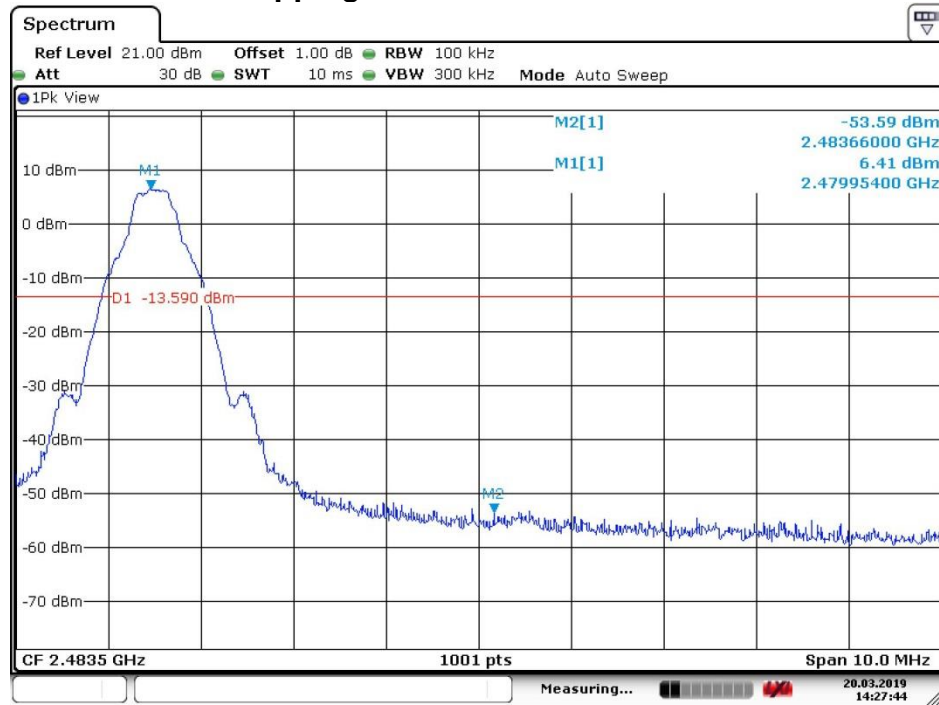
Date: 20.MAR.2019 14:21:59

GFSK _Highest Channel_ Hopping ON

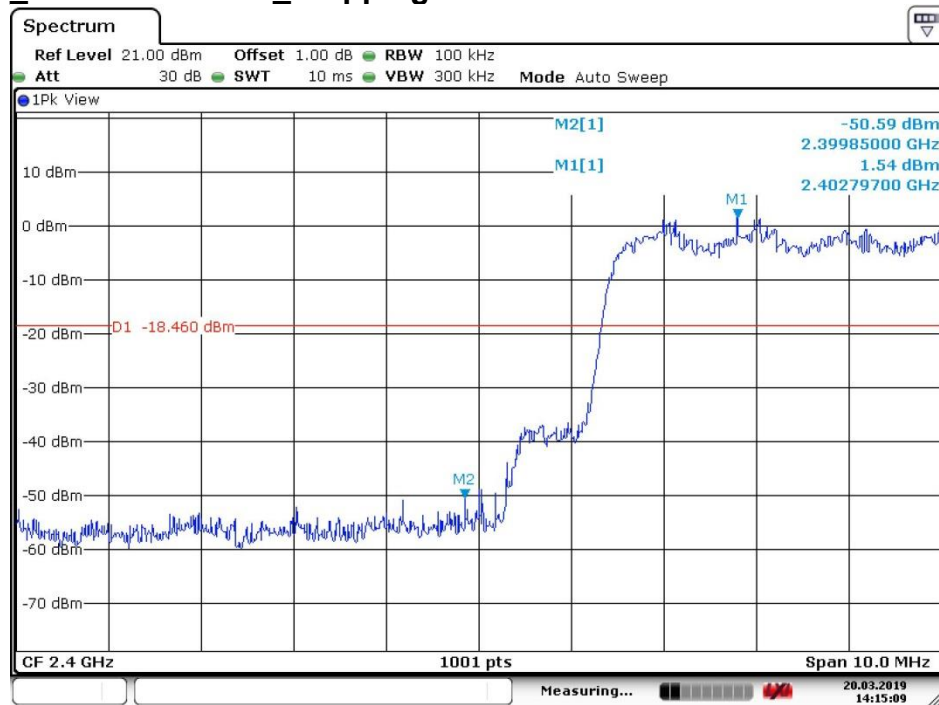


Date: 20.MAR.2019 14:19:34

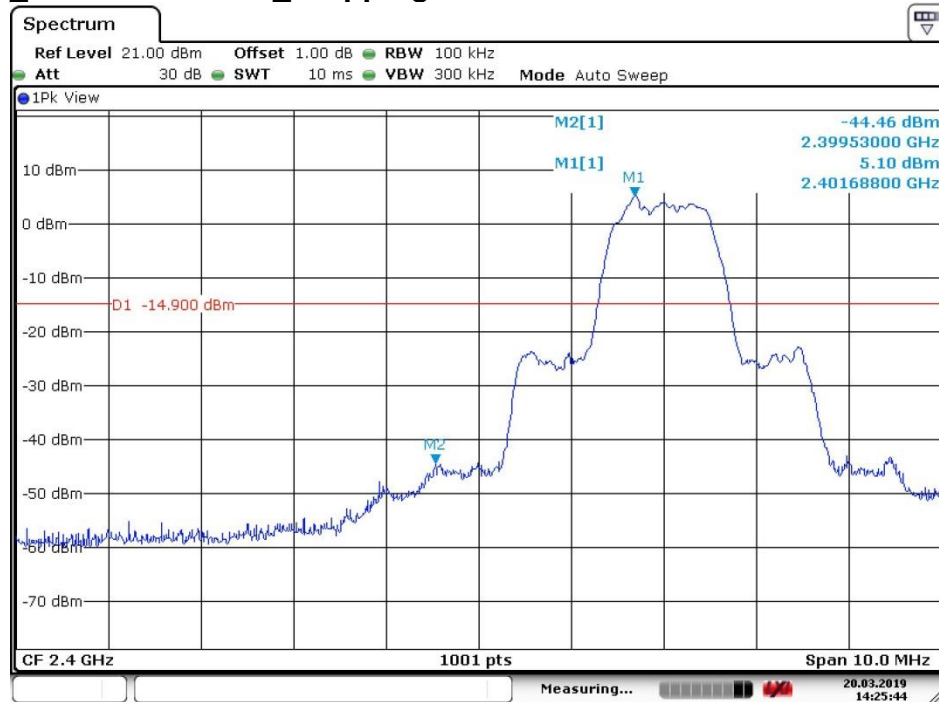
GFSK _Highest Channel_ Hopping OFF



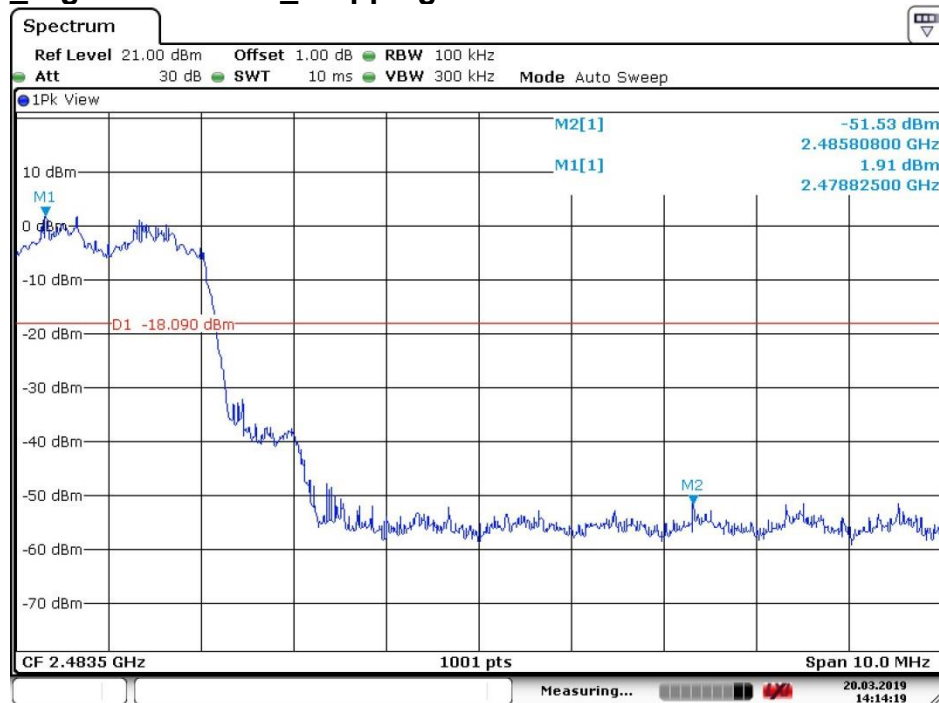
Date: 20.MAR.2019 14:27:44

 π /4DQPSK _Lowest Channel_ Hopping ON

Date: 20.MAR.2019 14:15:10

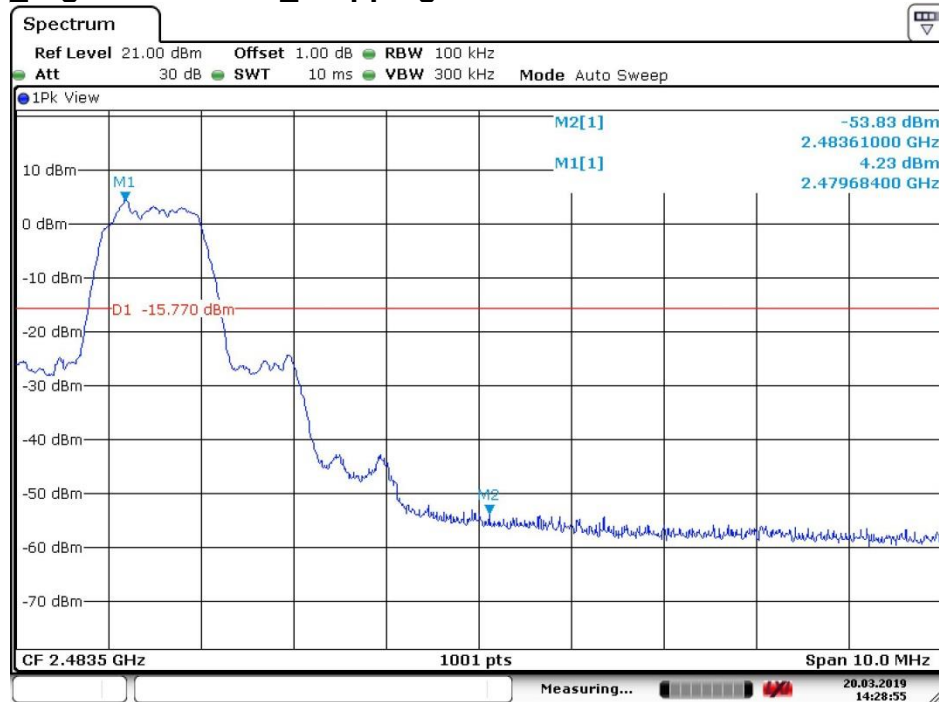
$\pi/4$ DQPSK _Lowest Channel_ Hopping OFF

Date: 20.MAR.2019 14:25:44

 $\pi/4$ DQPSK _Highest Channel_ Hopping ON

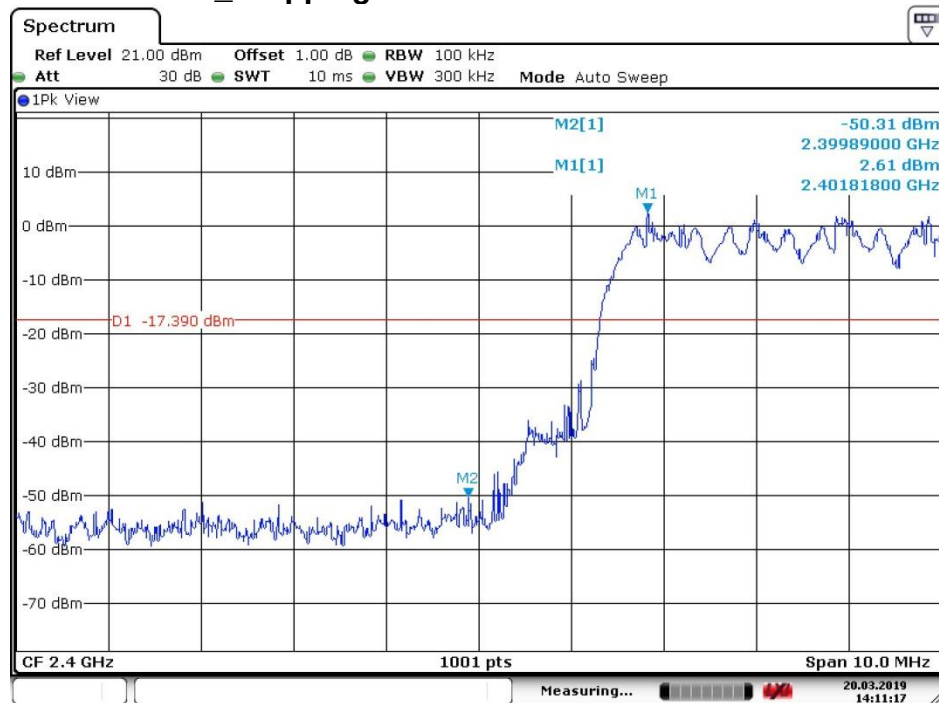
Date: 20.MAR.2019 14:14:19

$\pi/4$ DQPSK_Highest Channel_ Hopping OFF



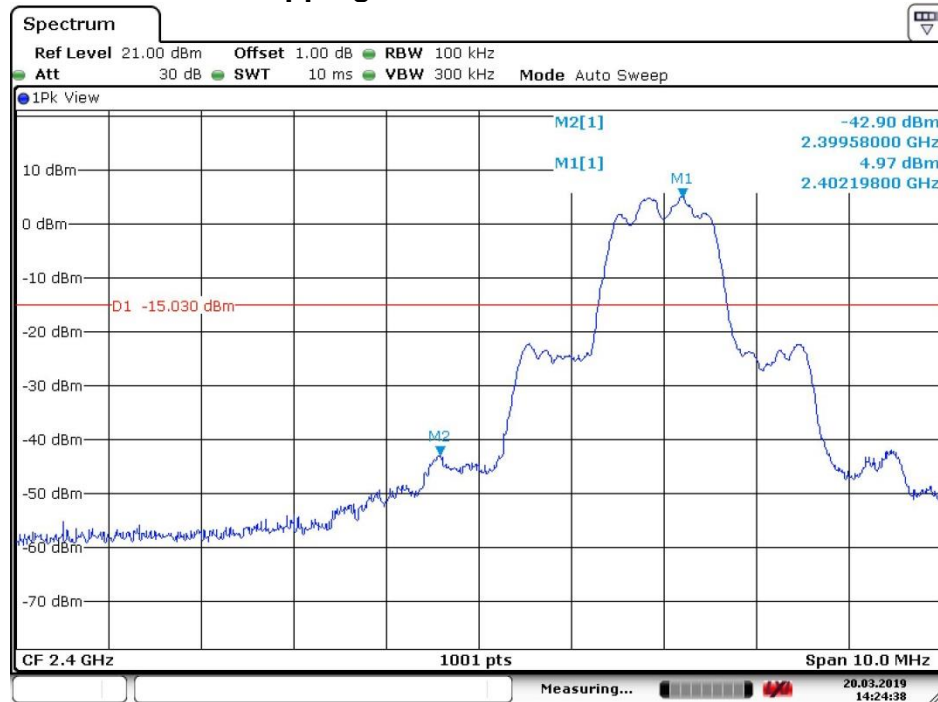
Date: 20.MAR.2019 14:28:55

8DPSK_Lowest Channel_ Hopping ON



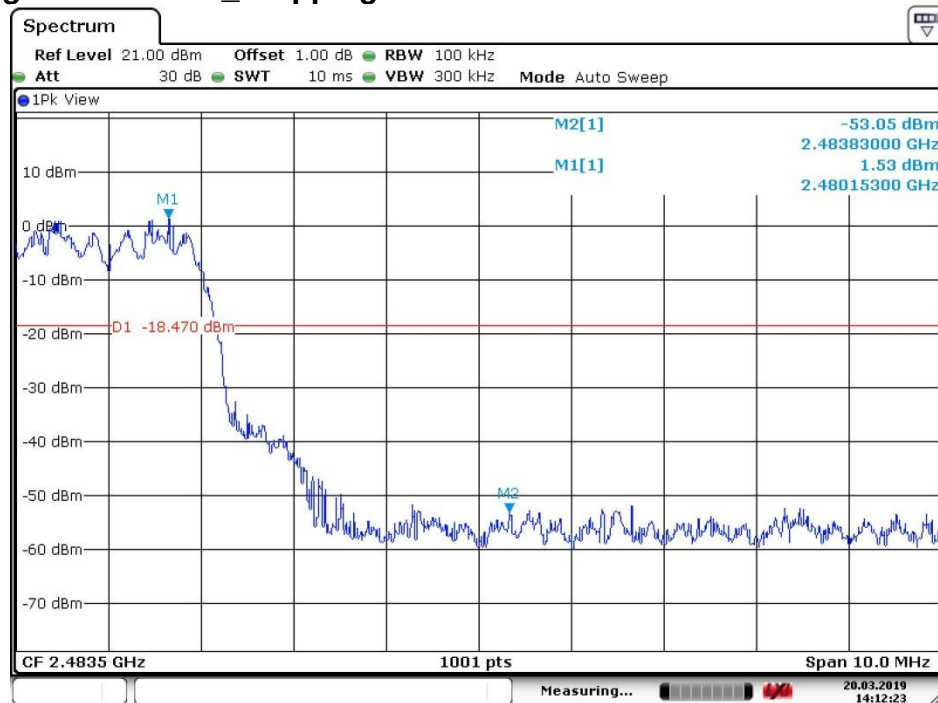
Date: 20.MAR.2019 14:11:18

8DPSK _Lowest Channel_ Hopping OFF



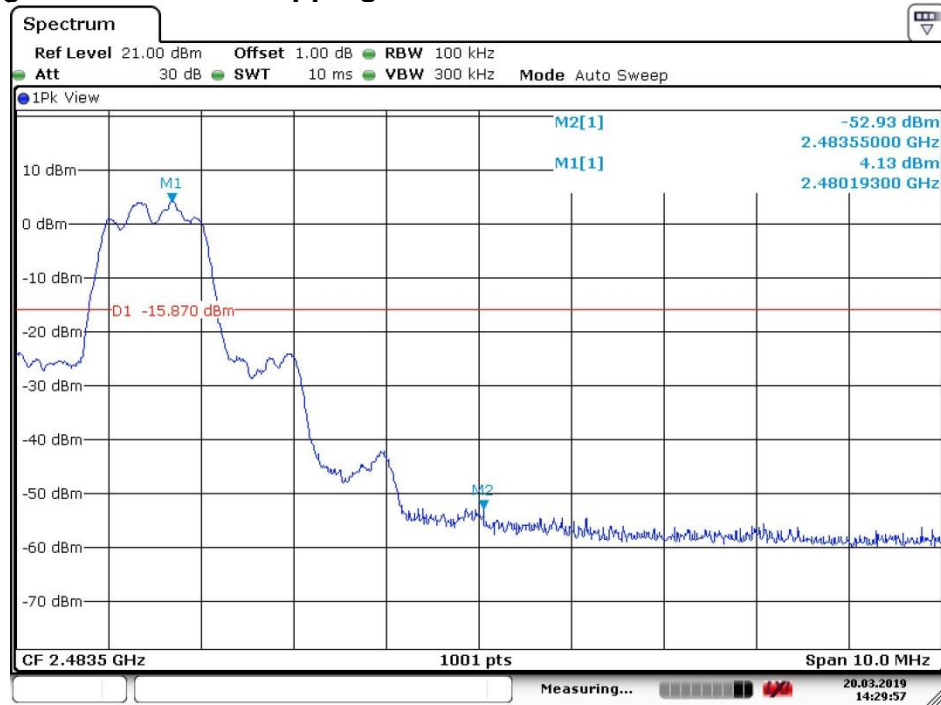
Date: 20.MAR.2019 14:24:38

8DPSK _Highest Channel_ Hopping ON



Date: 20.MAR.2019 14:12:24

8DPSK _Highest Channel_ Hopping OFF

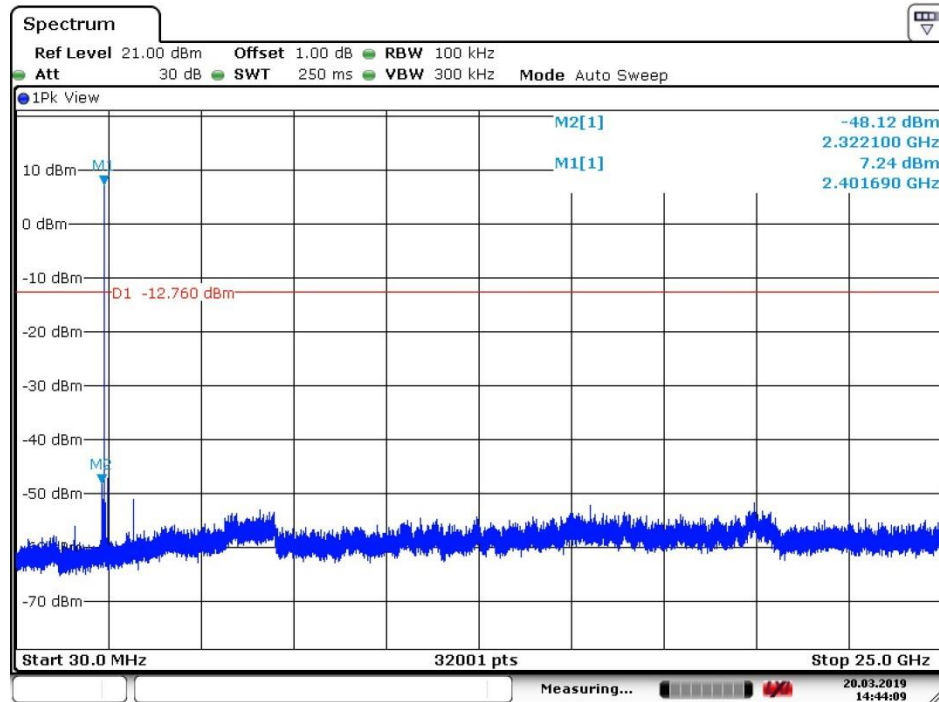


Date: 20.MAR.2019 14:29:57

10 Spurious RF Conducted Emissions

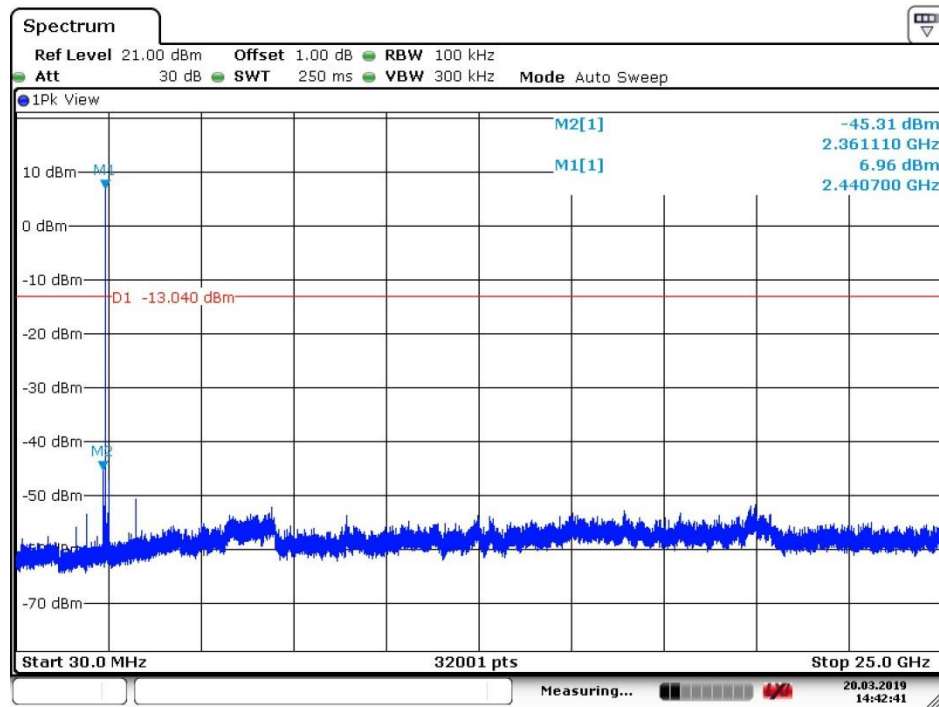
10.1 Test plots

GFSK _Lowest Channel



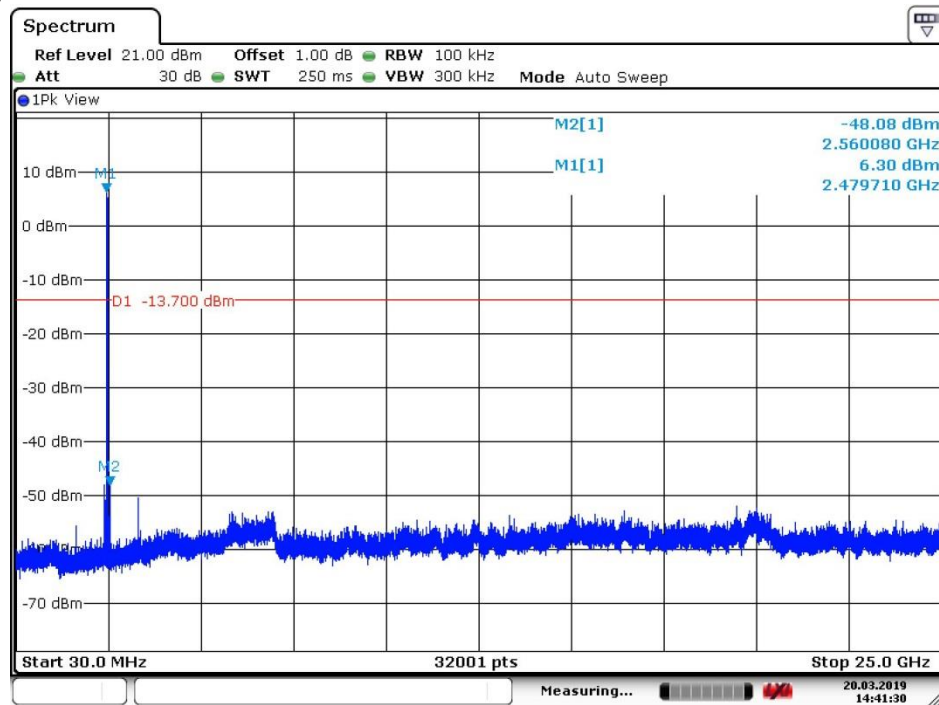
Date: 20.MAR.2019 14:44:09

GFSK _Middle Channel

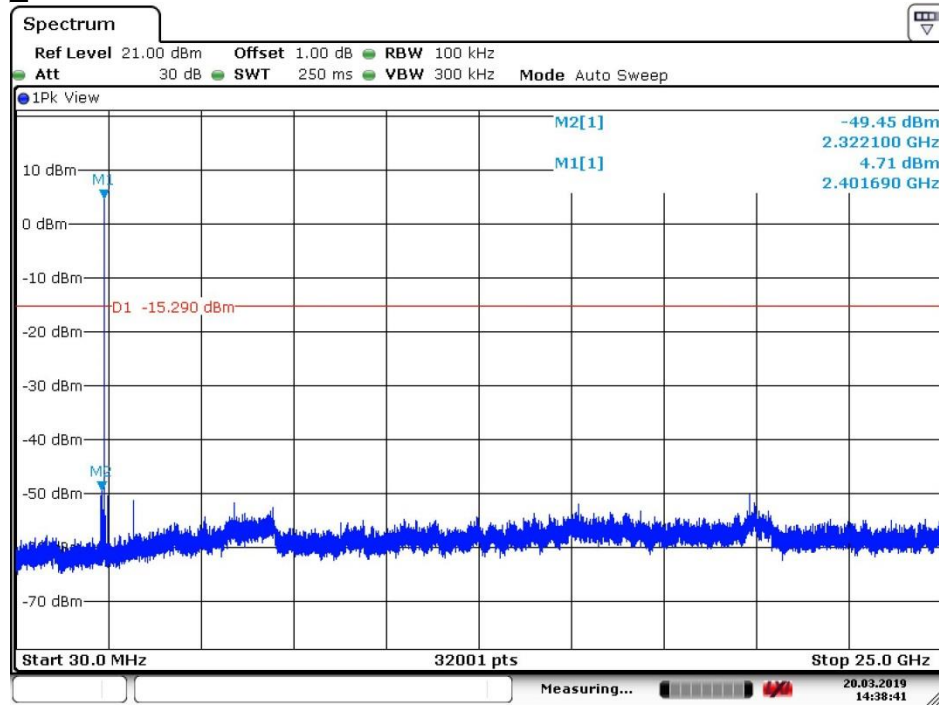


Date: 20.MAR.2019 14:42:42

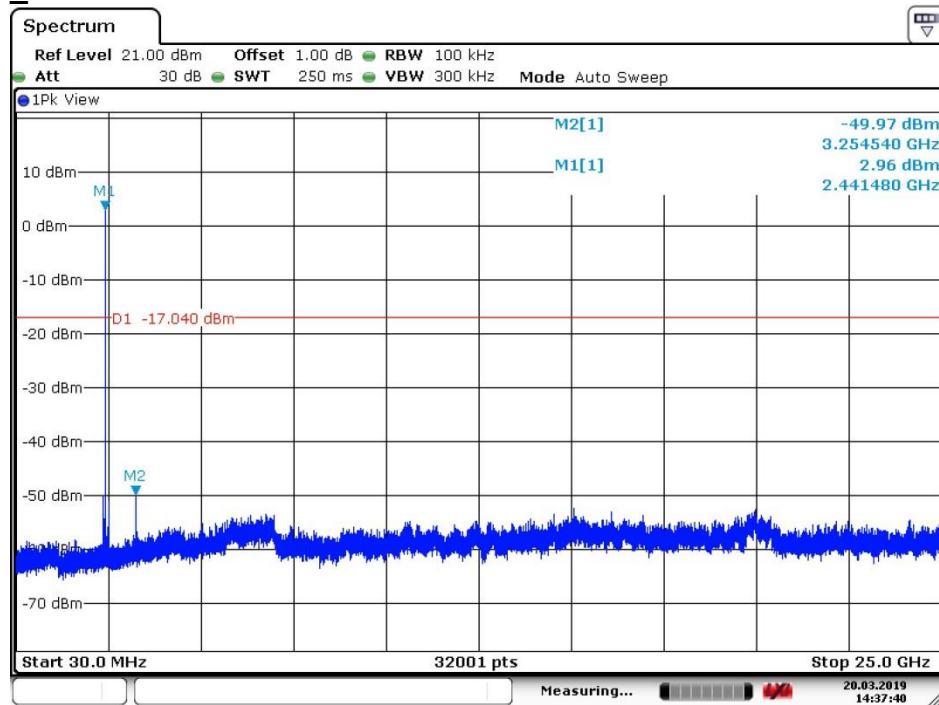
GFSK _Highest Channel



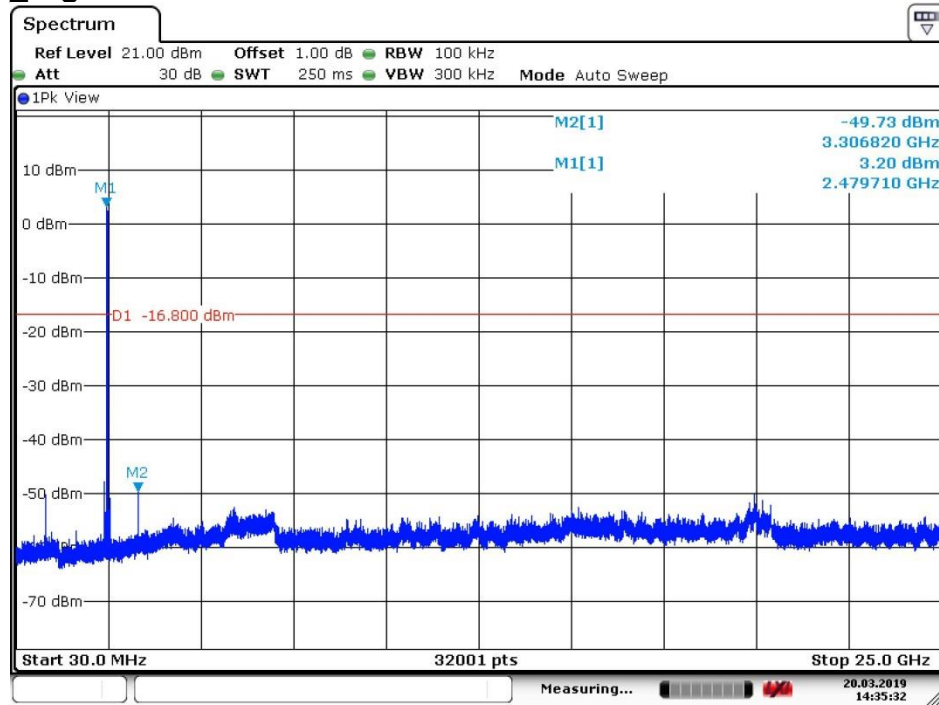
Date: 20.MAR.2019 14:41:31

$\pi/4$ DQPSK_Lowest Channel

Date: 20.MAR.2019 14:38:41

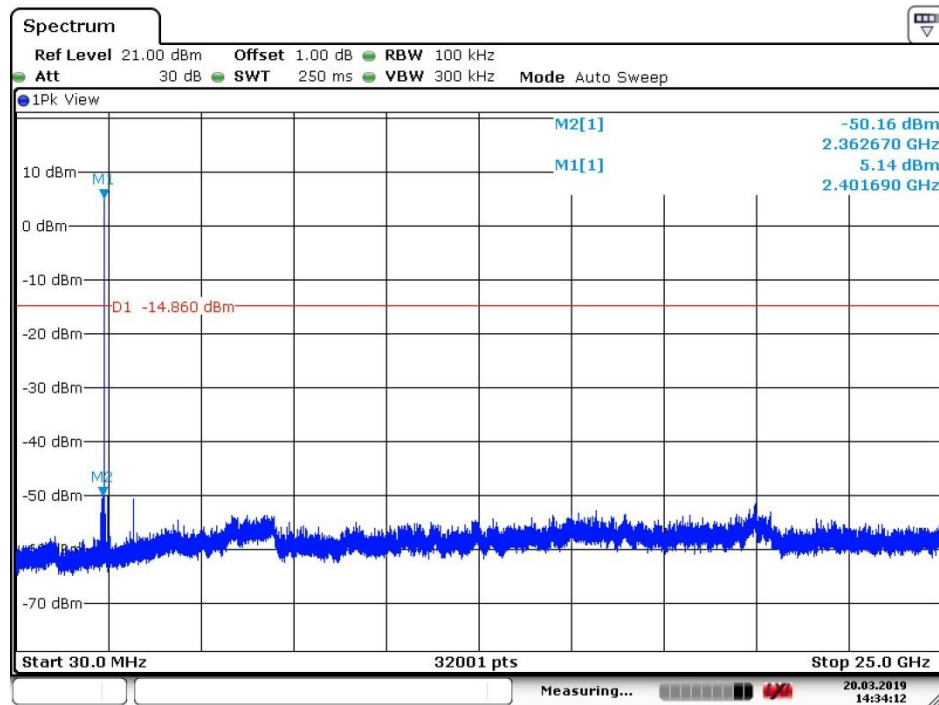
 $\pi/4$ DQPSK_Middle Channel

Date: 20.MAR.2019 14:37:40

π /4DQPSK_Highest Channel

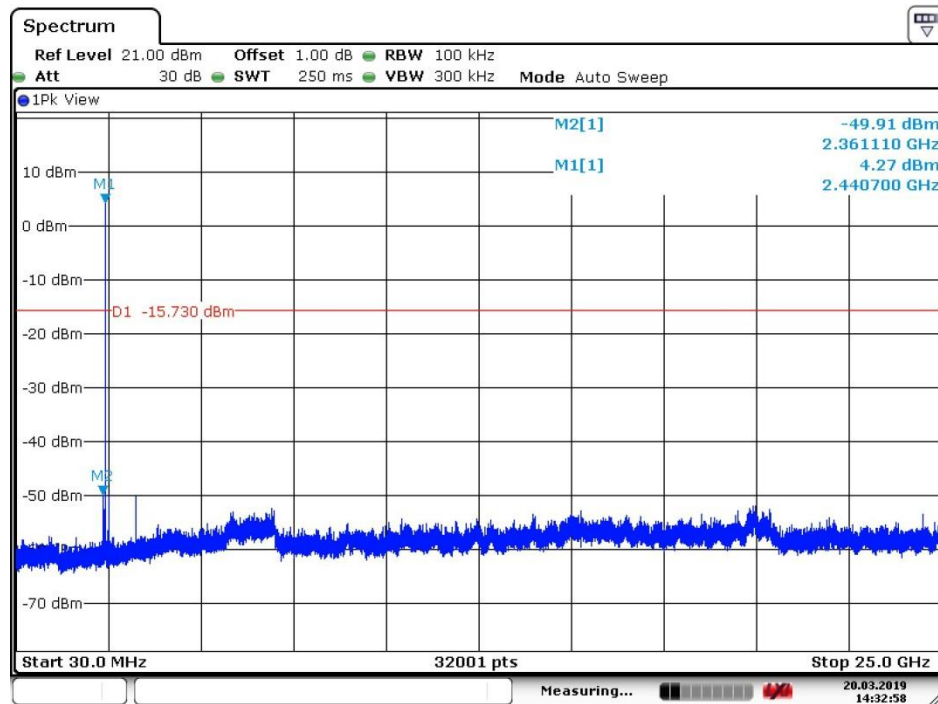
Date: 20.MAR.2019 14:35:33

8DPSK_Lowest Channel



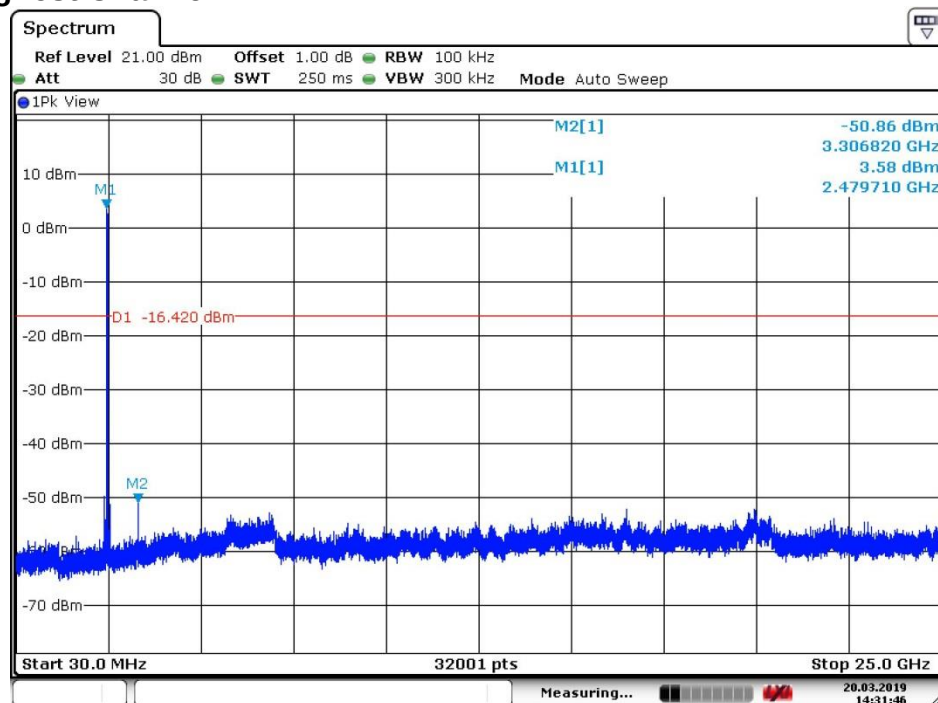
Date: 20.MAR.2019 14:34:12

8DPSK _Middle Channel



Date: 20.MAR.2019 14:32:58

8DPSK _Highest Channel



Date: 20.MAR.2019 14:31:46

Remark:

Scan from 9kHz to 25GHz, the disturbance between 9KHz to 30MHz was very low, and the above harmonics were the highest point could be found when testing, The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

The End