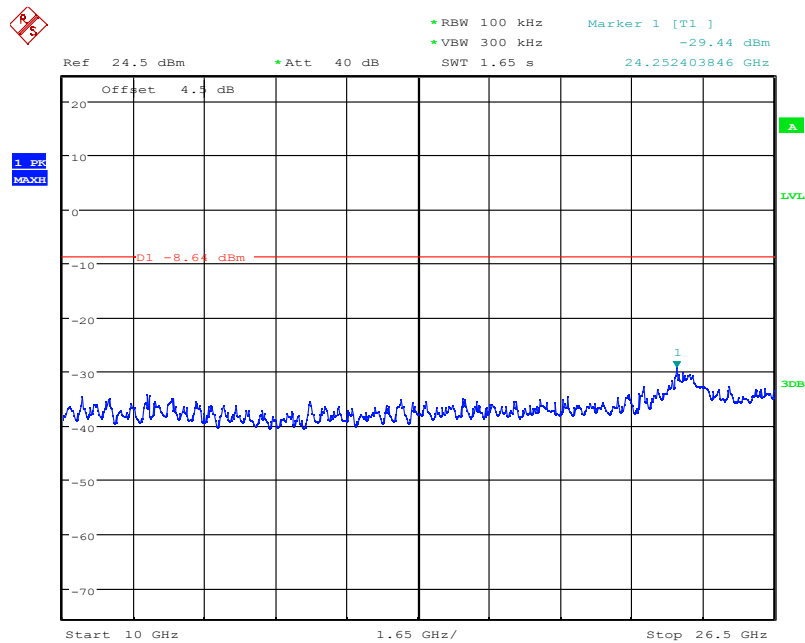
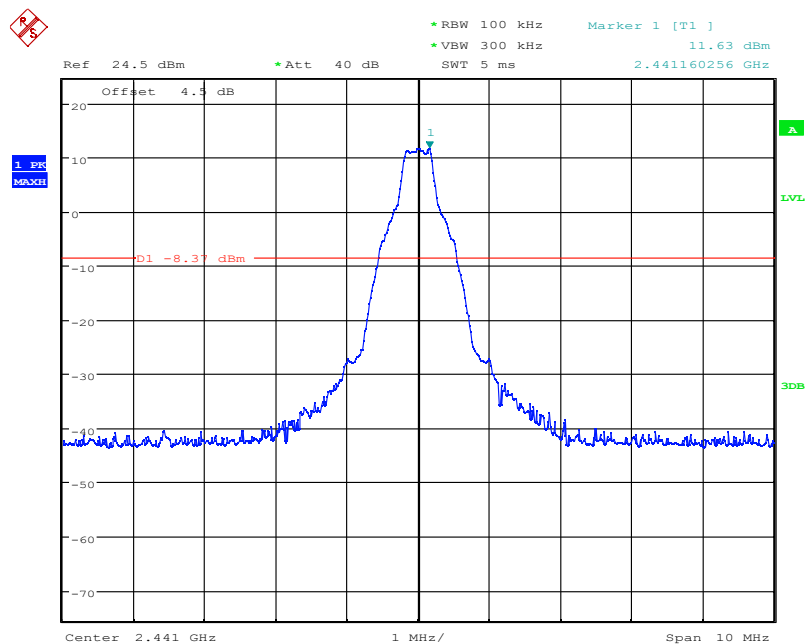




Date: 8.NOV.2021 10:41:12

GFSK CH0 10GHz – 26.5GHz

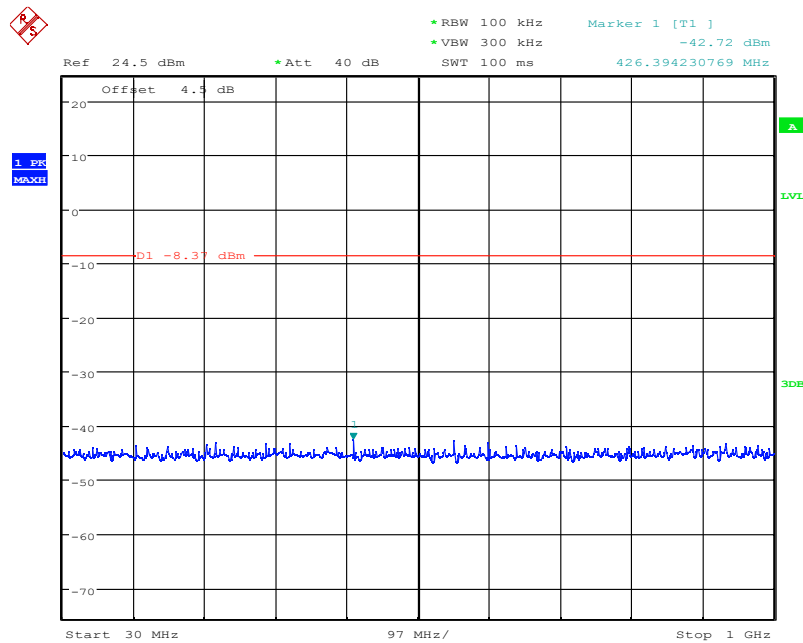


Date: 8.NOV.2021 10:42:44

GFSK CH39 Center Frequency

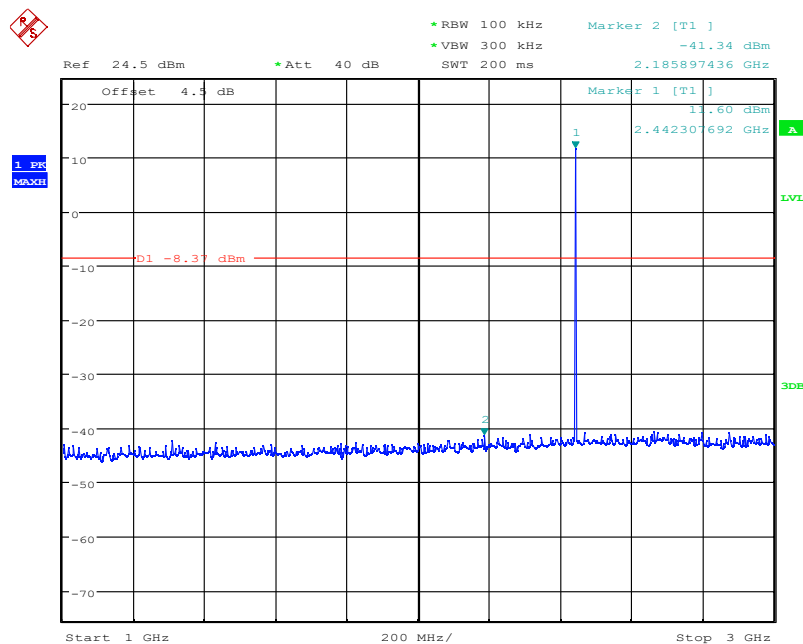
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Date: 8.NOV.2021 10:42:59

GFSK CH39 30MHz – 1GHz

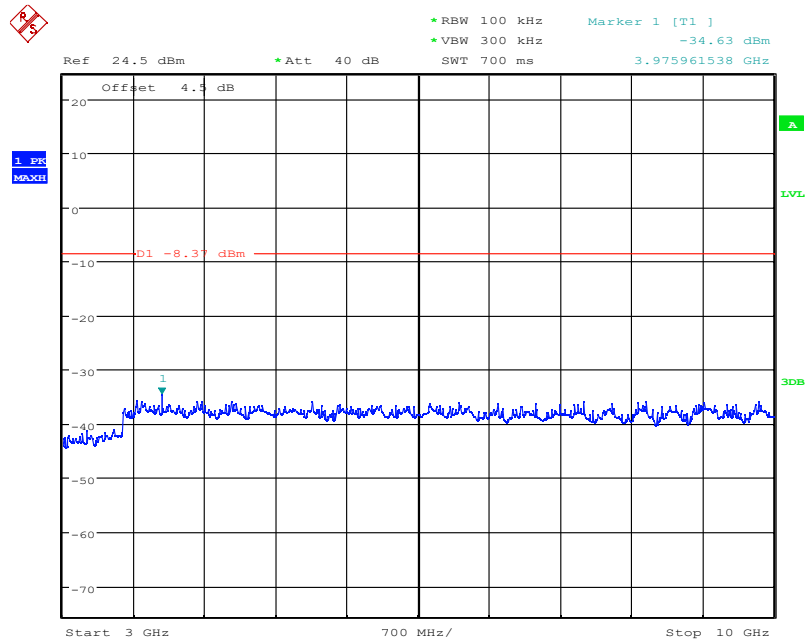


Date: 8.NOV.2021 10:43:20

GFSK CH39 1GHz – 3GHz

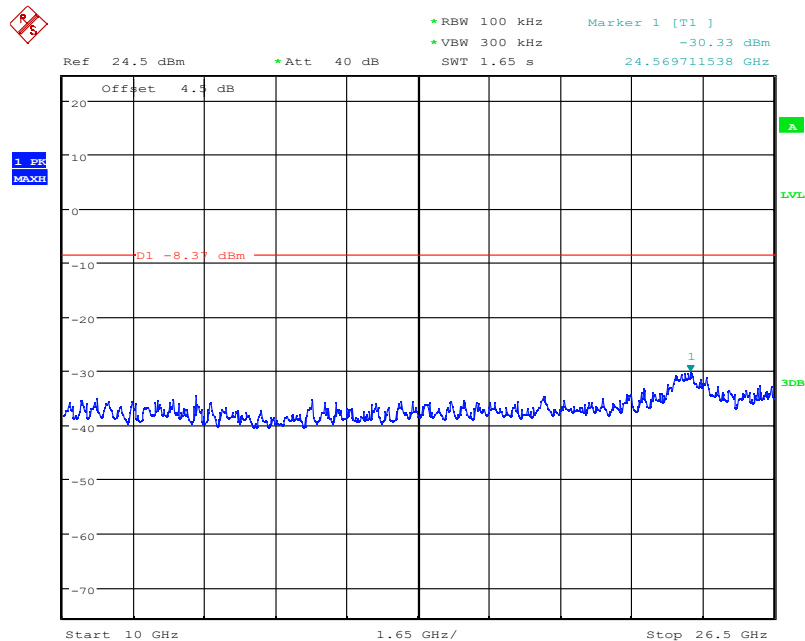
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Date: 8.NOV.2021 10:43:35

GFSK CH39 3GHz – 10GHz

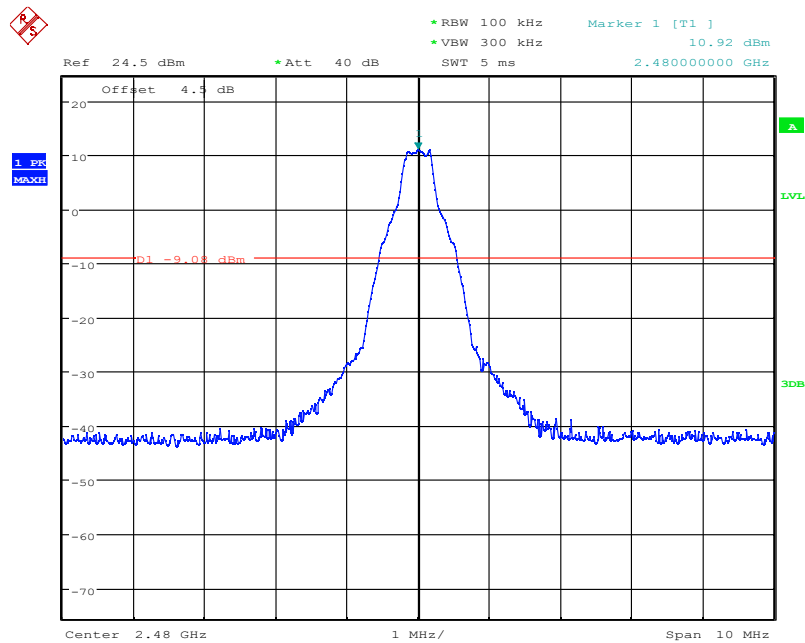


Date: 8.NOV.2021 10:43:54

GFSK CH39 10GHz – 26.5GHz

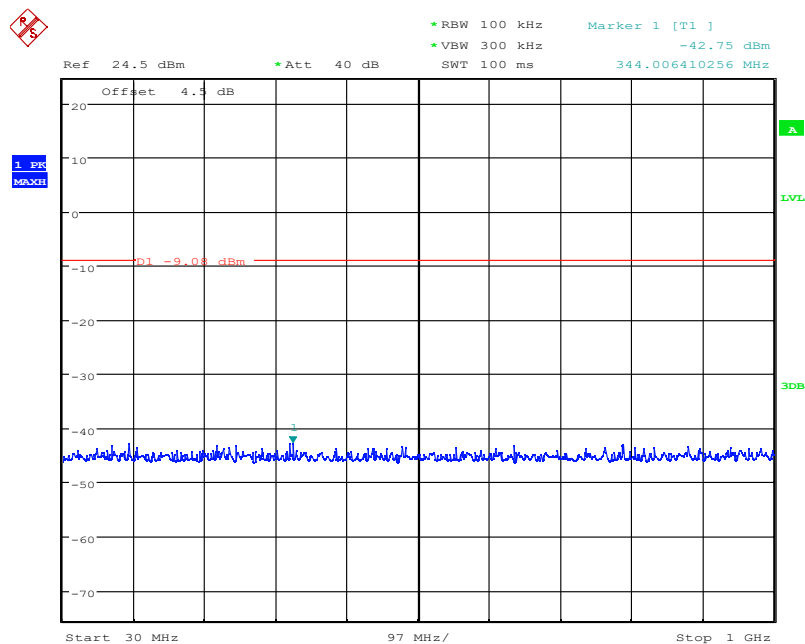
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Date: 8.NOV.2021 10:45:22

GFSK CH78 Center Frequency

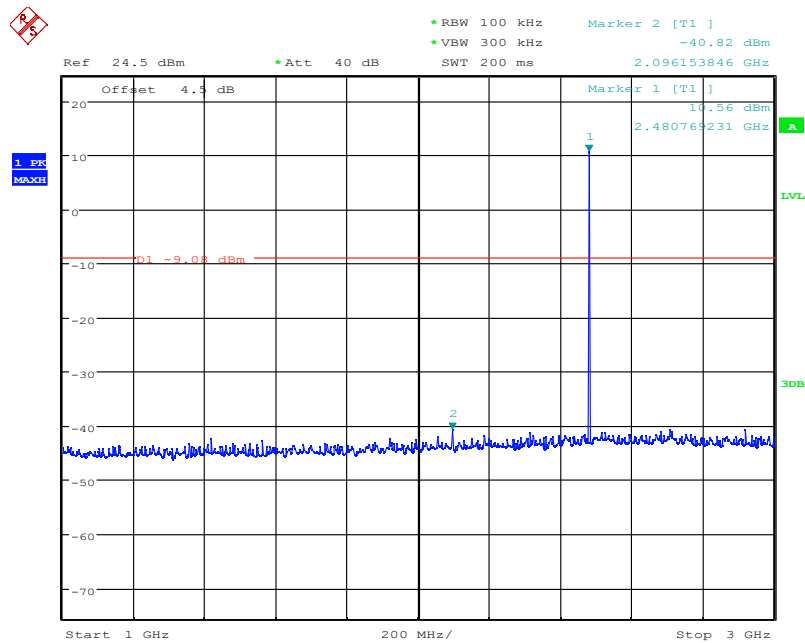


Date: 8.NOV.2021 10:45:41

GFSK CH78 30MHz – 1GHz

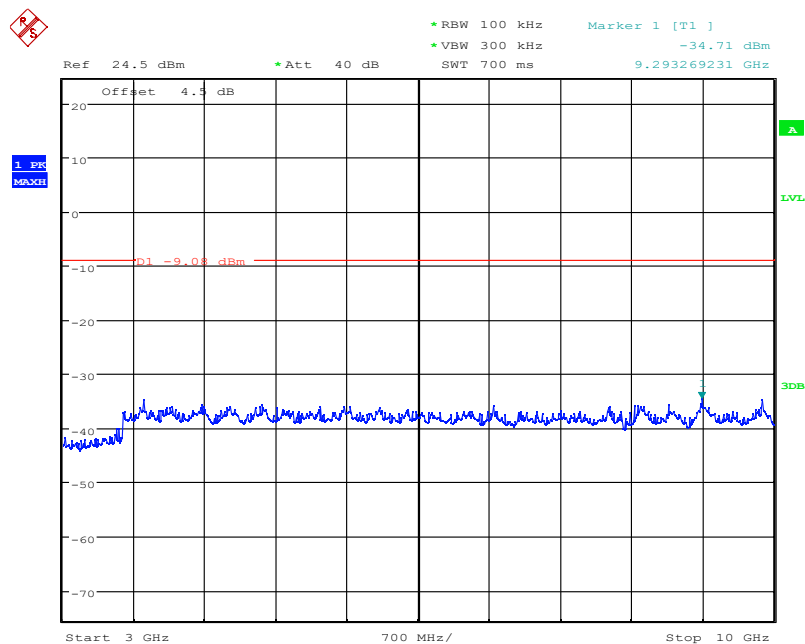
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Date: 8.NOV.2021 10:45:58

GFSK CH78 1GHz – 3GHz

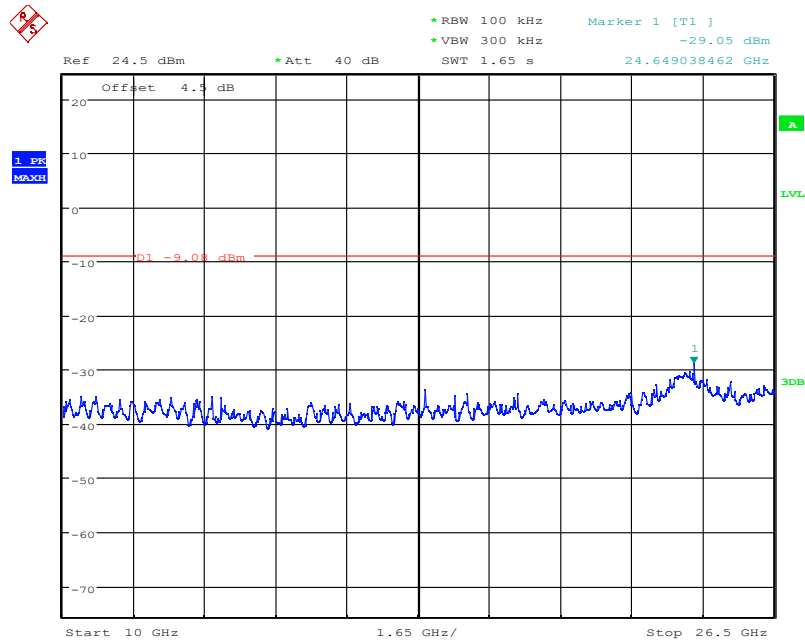


Date: 8.NOV.2021 10:46:15

GFSK CH78 3GHz – 10GHz

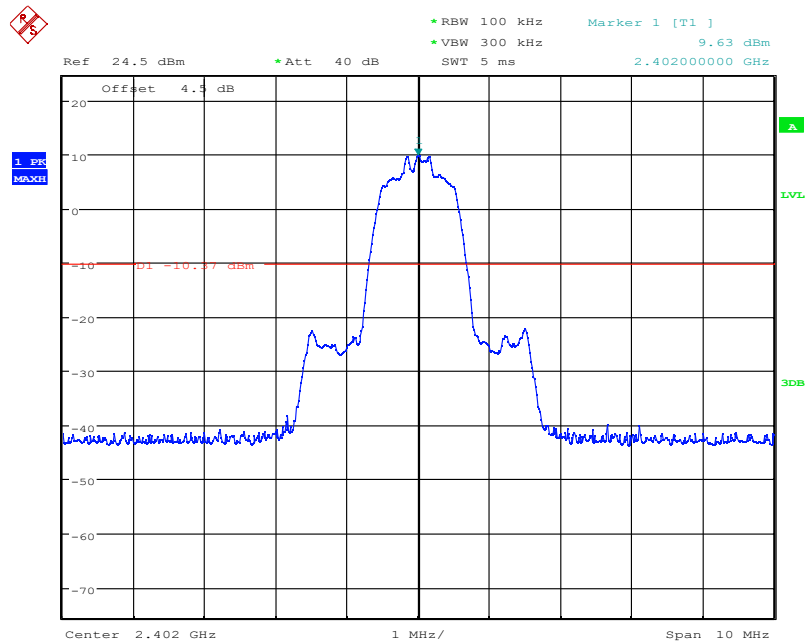
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Date: 8.NOV.2021 10:46:33

GFSK CH78 10GHz – 26.5GHz

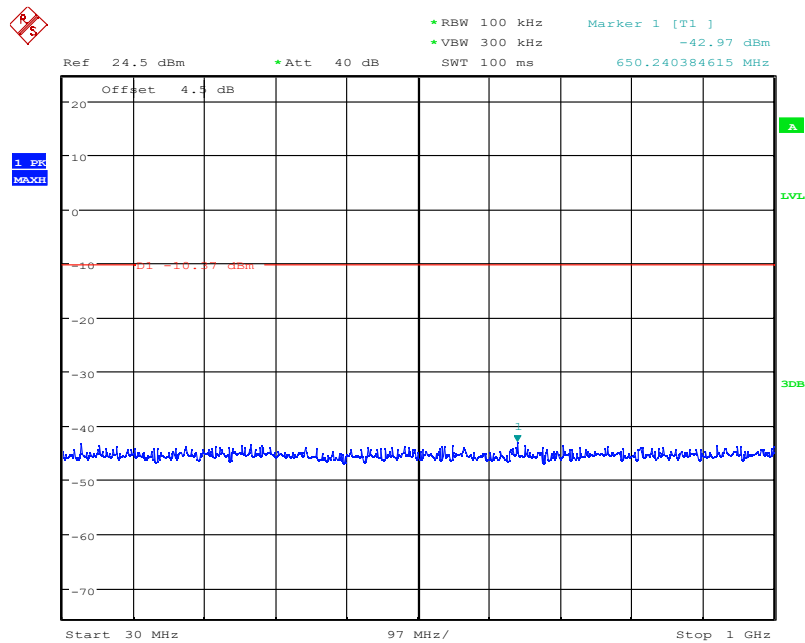


Date: 8.NOV.2021 10:52:58

PI/4 DQPSK CH0 Center Frequency

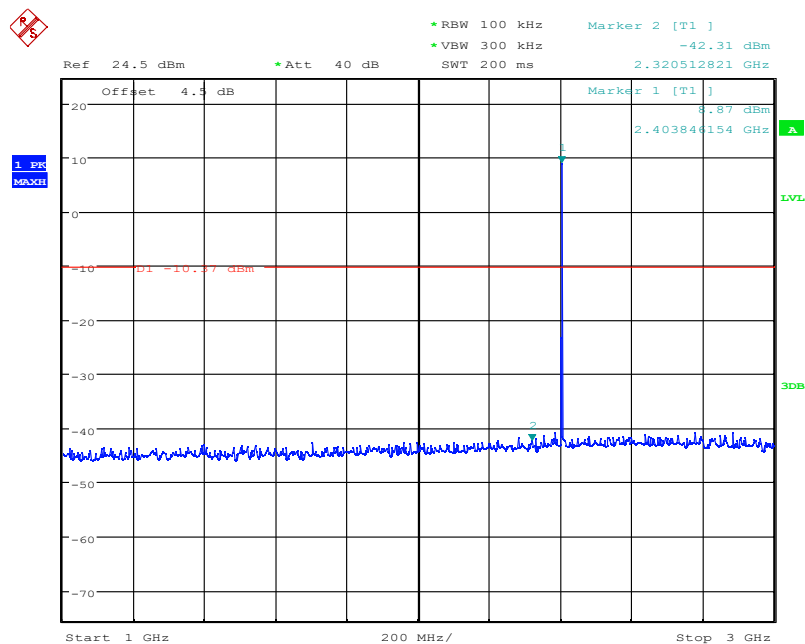
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Date: 8.NOV.2021 10:53:13

PI/4 DQPSK CH0 30MHz – 1GHz

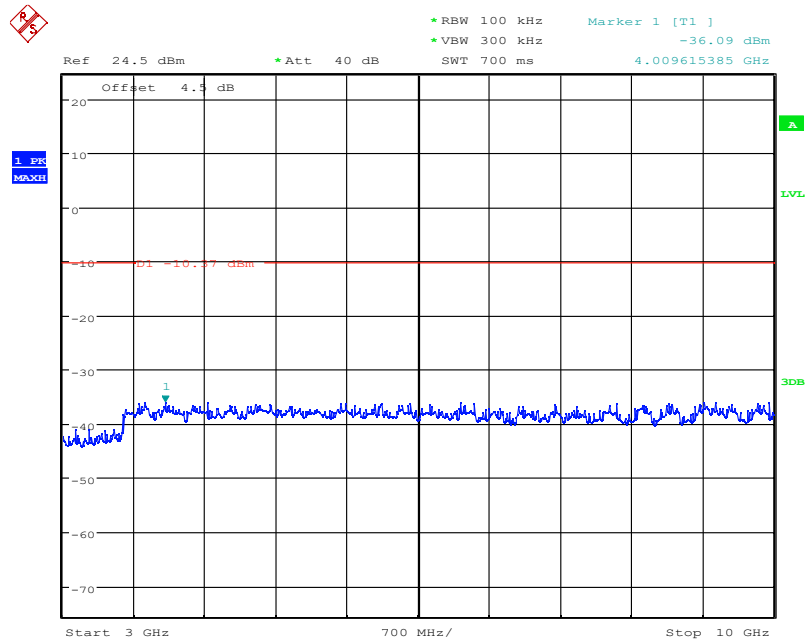


Date: 8.NOV.2021 10:53:30

PI/4 DQPSK CH0 1GHz – 3GHz

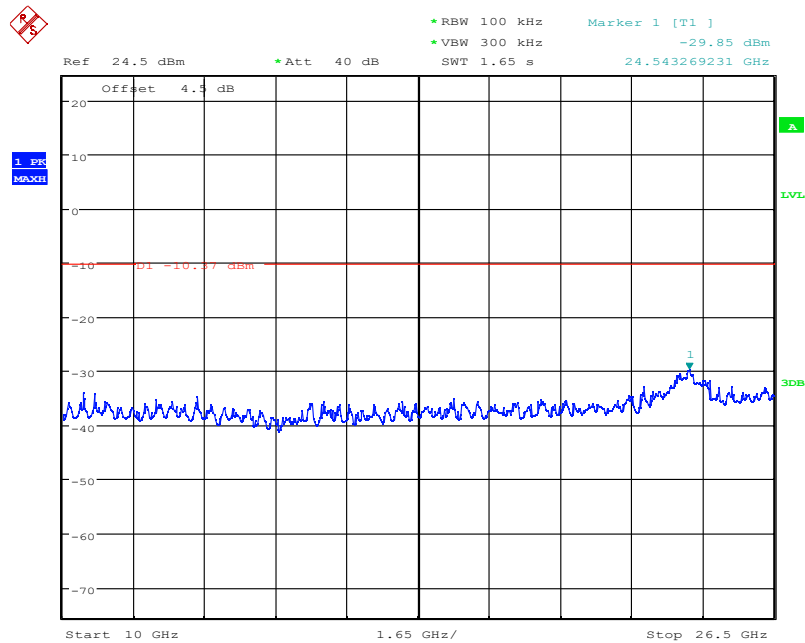
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Date: 8.NOV.2021 10:53:45

PI/4 DQPSK CH0 3GHz – 10GHz

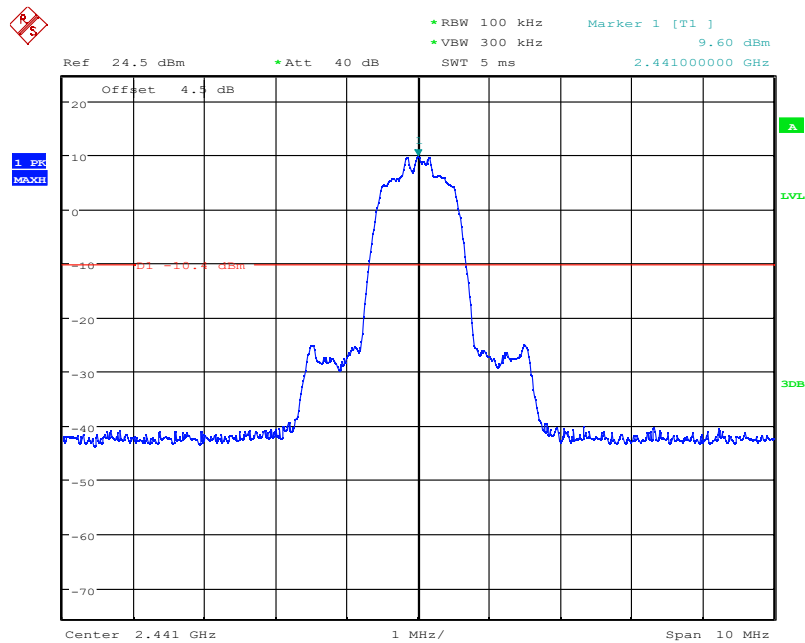


Date: 8.NOV.2021 10:54:04

PI/4 DQPSK CH0 10GHz – 26.5GHz

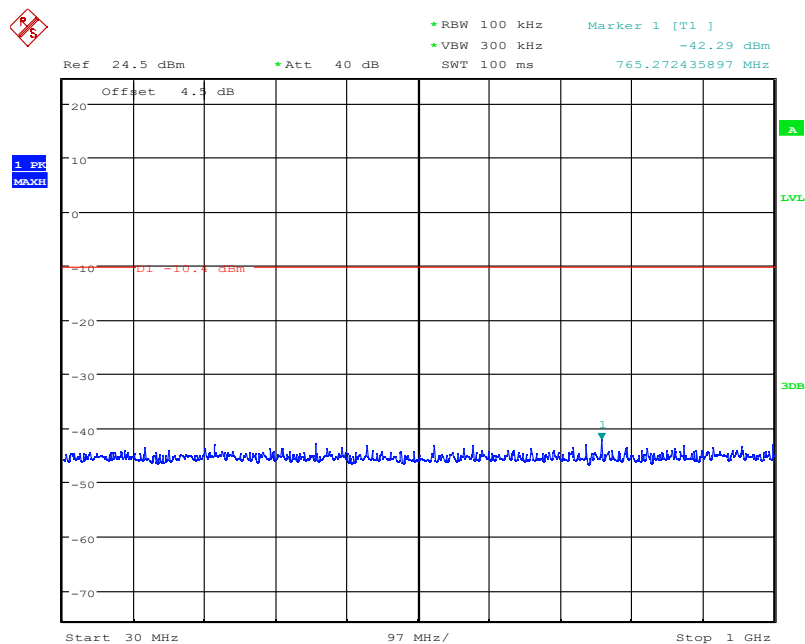
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Date: 8.NOV.2021 10:50:48

PI/4 DQPSK CH39 Center Frequency

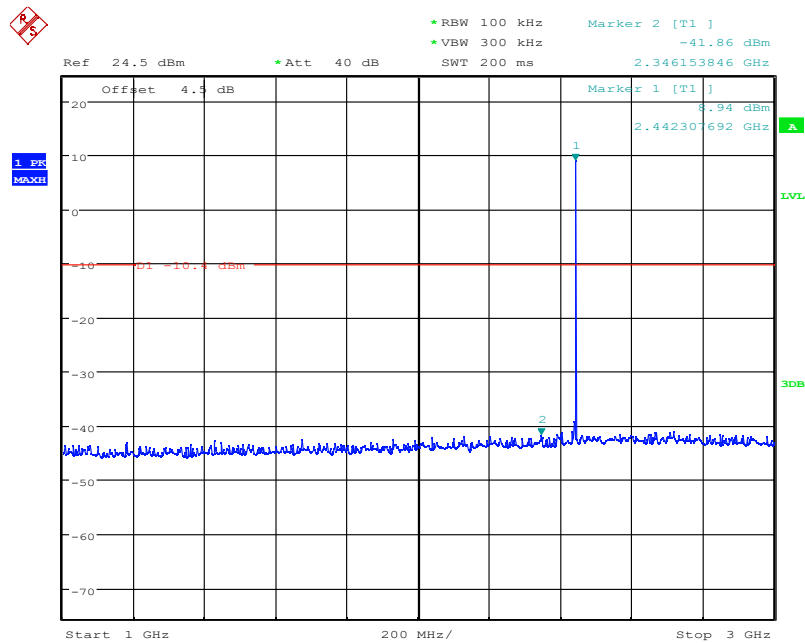


Date: 8.NOV.2021 10:51:02

PI/4 DQPSK CH39 30MHz – 1GHz

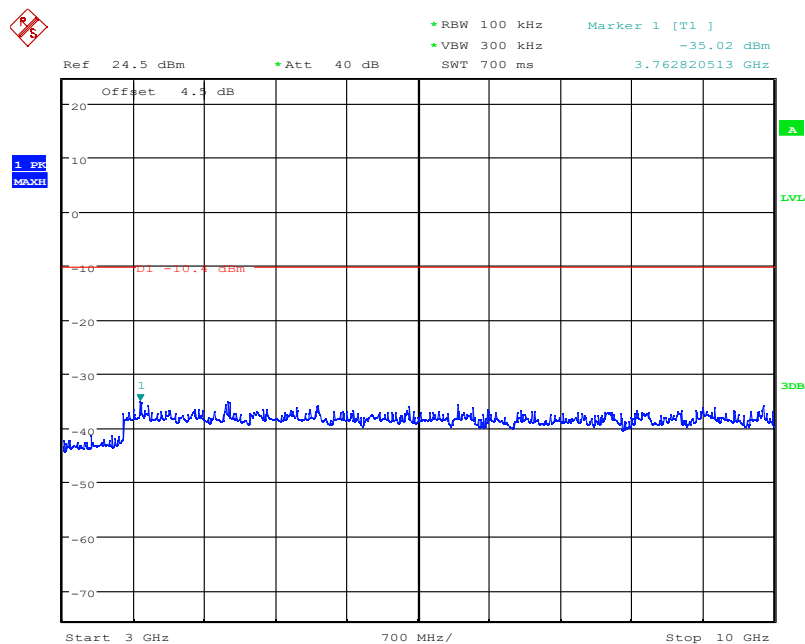
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Date: 8.NOV.2021 10:51:19

PI/4 DQPSK CH39 1GHz – 3GHz

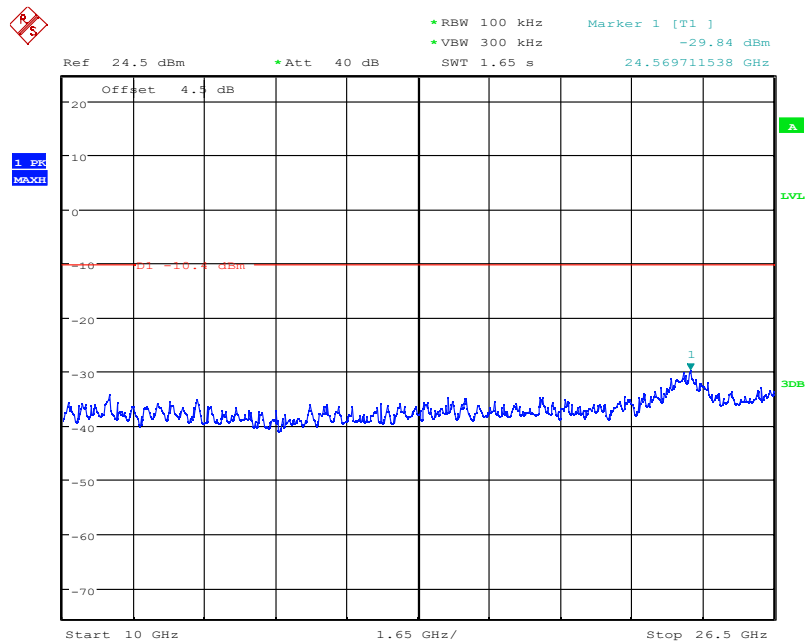


Date: 8.NOV.2021 10:51:31

PI/4 DQPSK CH39 3GHz – 10GHz

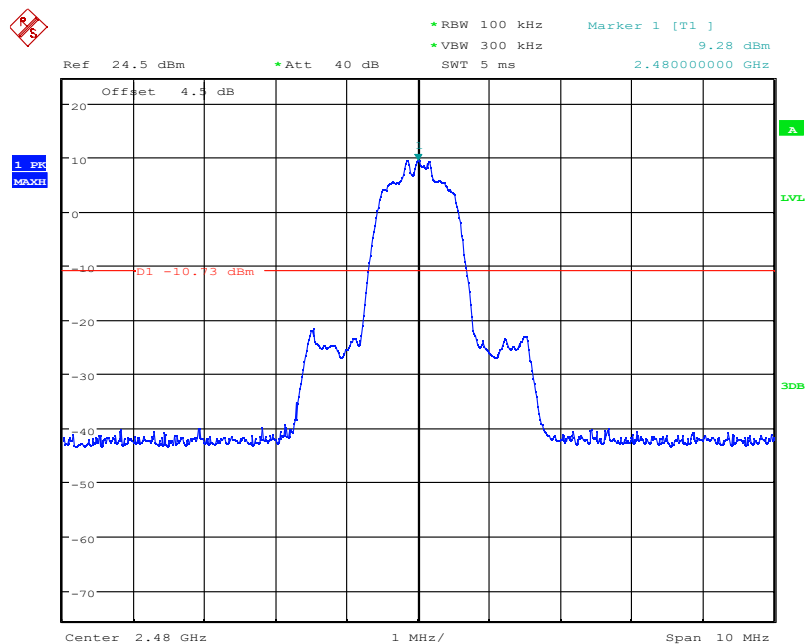
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Date: 8.NOV.2021 10:51:47

PI/4 DQPSK CH39 10GHz – 26.5GHz



Date: 8.NOV.2021 10:48:02

PI/4 DQPSK CH78 Center Frequency

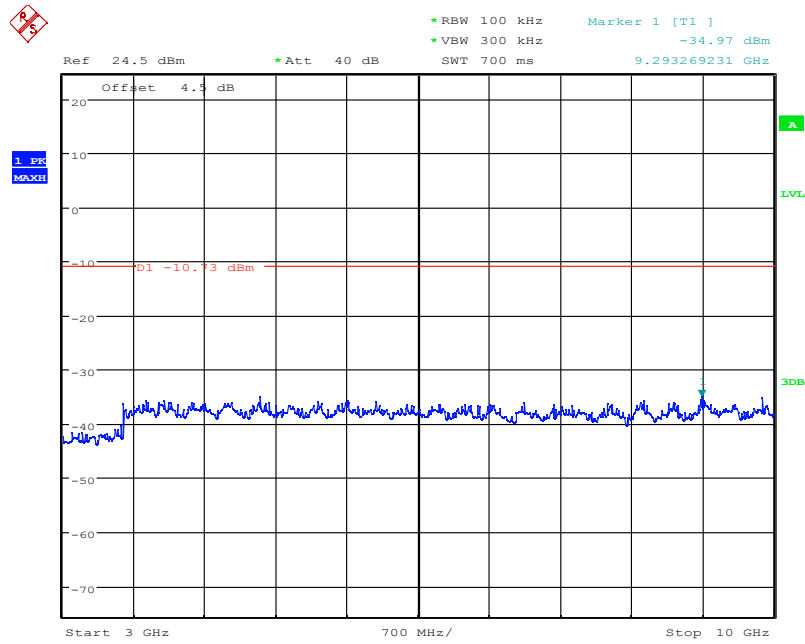
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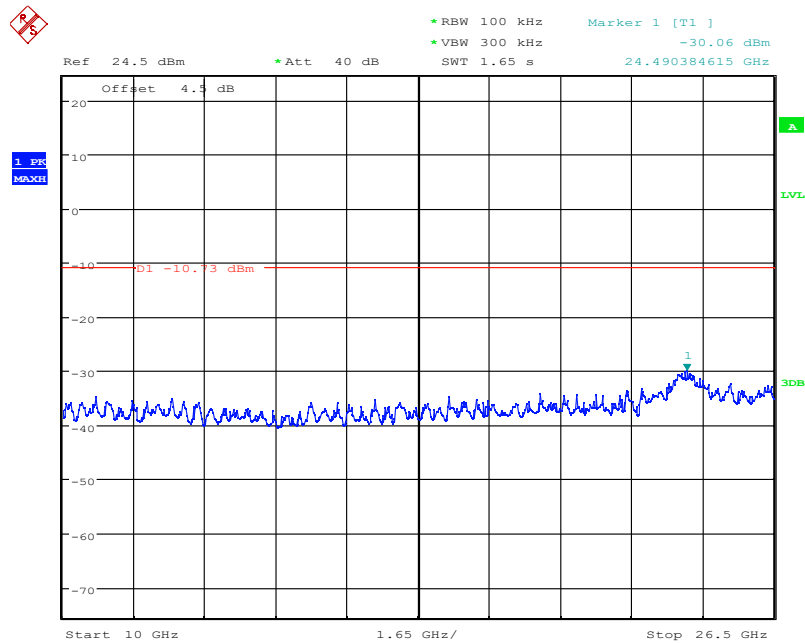
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Page 64 of 103



Date: 8.NOV.2021 10:48:57

PI/4 DQPSK CH78 3GHz – 10GHz

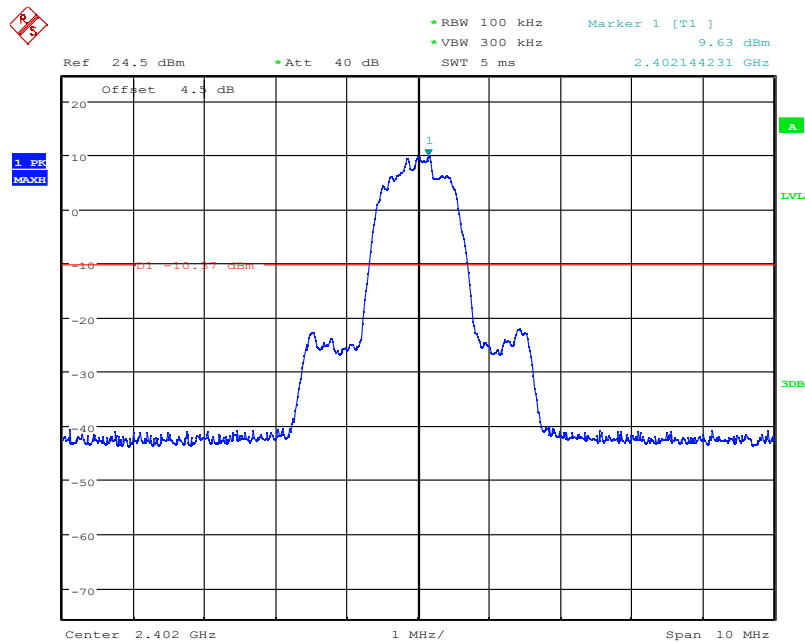


Date: 8.NOV.2021 10:49:22

PI/4 DQPSK CH78 10GHz – 26.5GHz

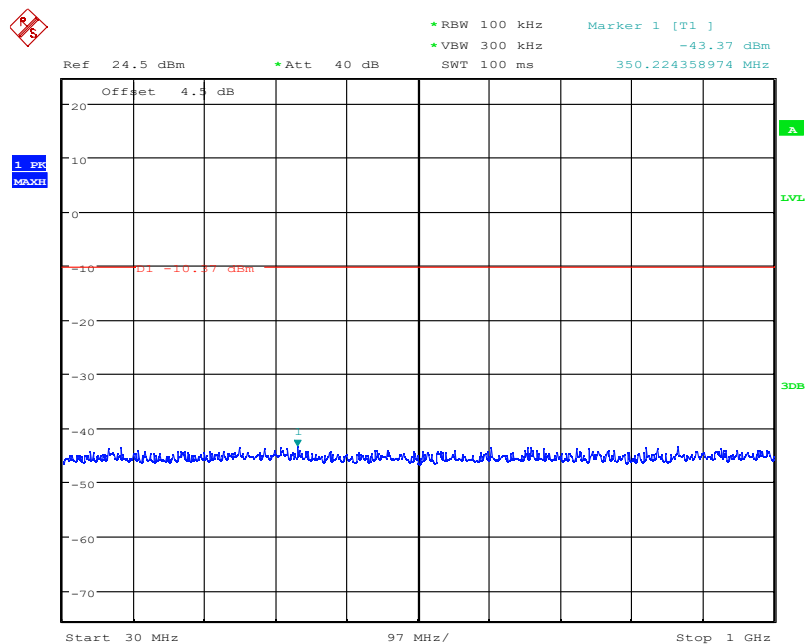
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Date: 8.NOV.2021 10:55:06

8DPSK CH0 Center Frequency

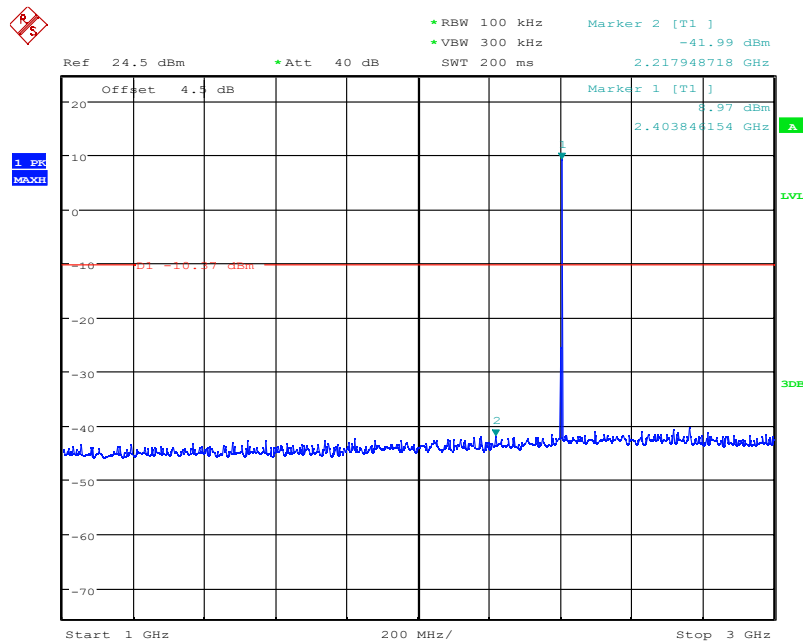


Date: 8.NOV.2021 10:55:20

8DPSK CH0 30MHz – 1GHz

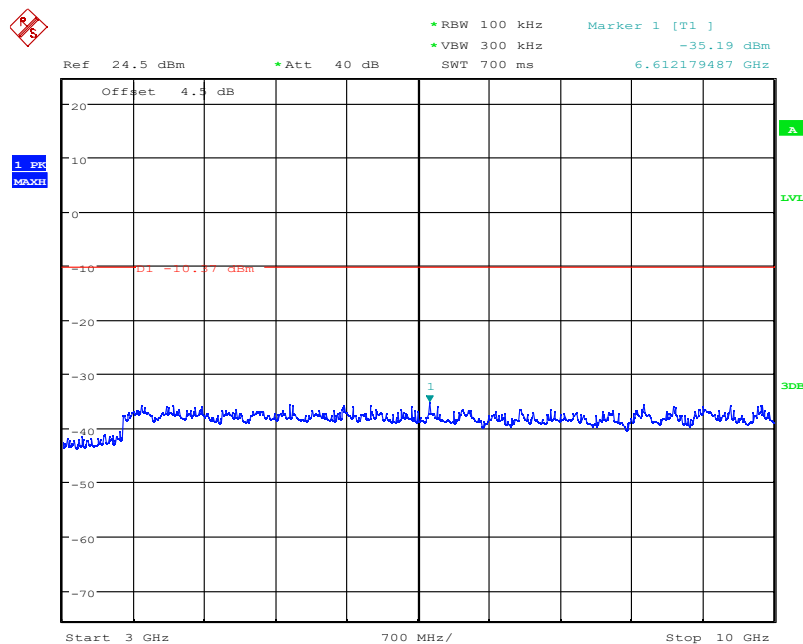
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Date: 8.NOV.2021 10:55:35

8DPSK CH0 1GHz – 3GHz

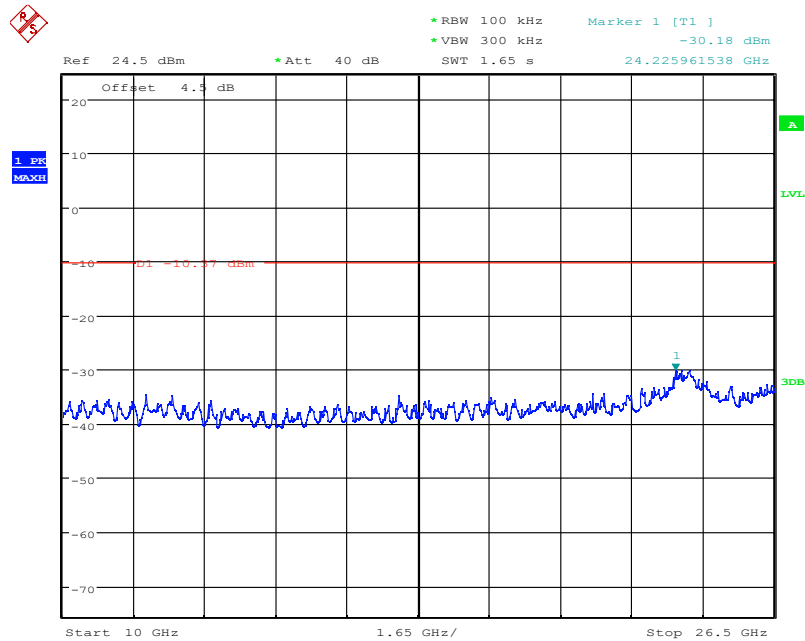


Date: 8.NOV.2021 10:55:51

8DPSK CH0 3GHz – 10GHz

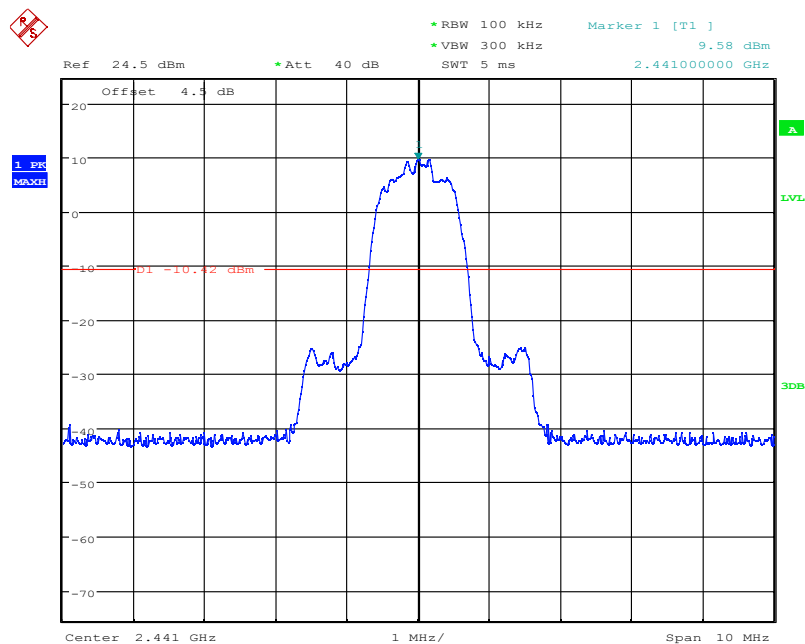
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Date: 8.NOV.2021 10:56:07

8DPSK CH0 10GHz – 26.5GHz

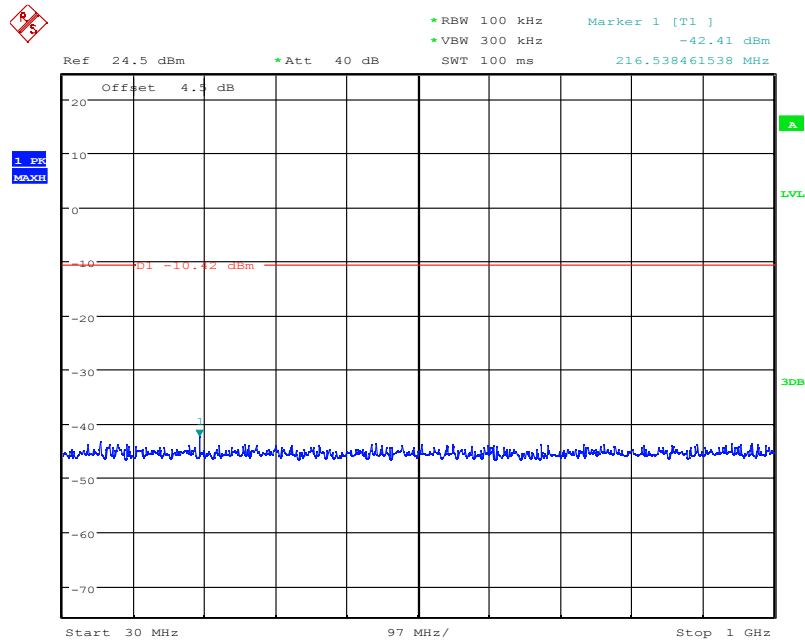


Date: 8.NOV.2021 10:57:16

8DPSK CH39 Center Frequency

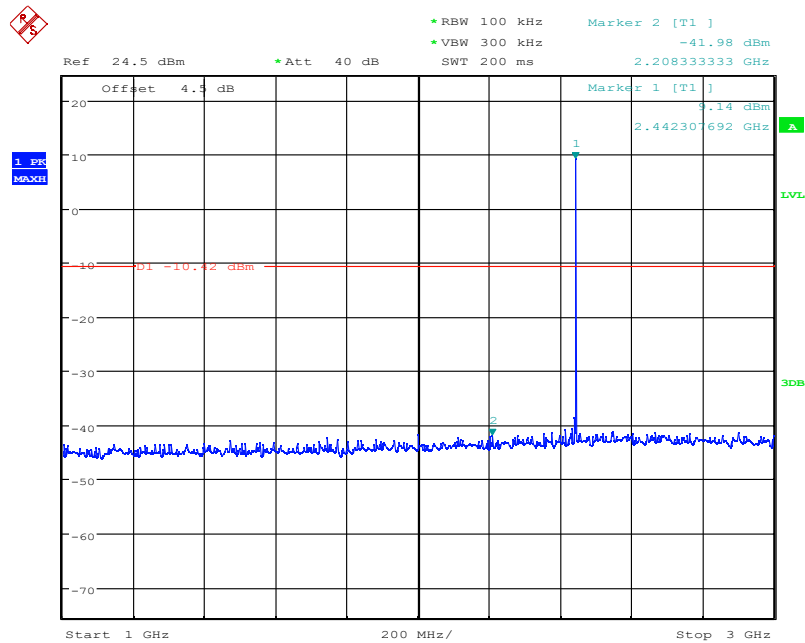
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Date: 8.NOV.2021 10:57:29

8DPSK CH39 30MHz – 1GHz

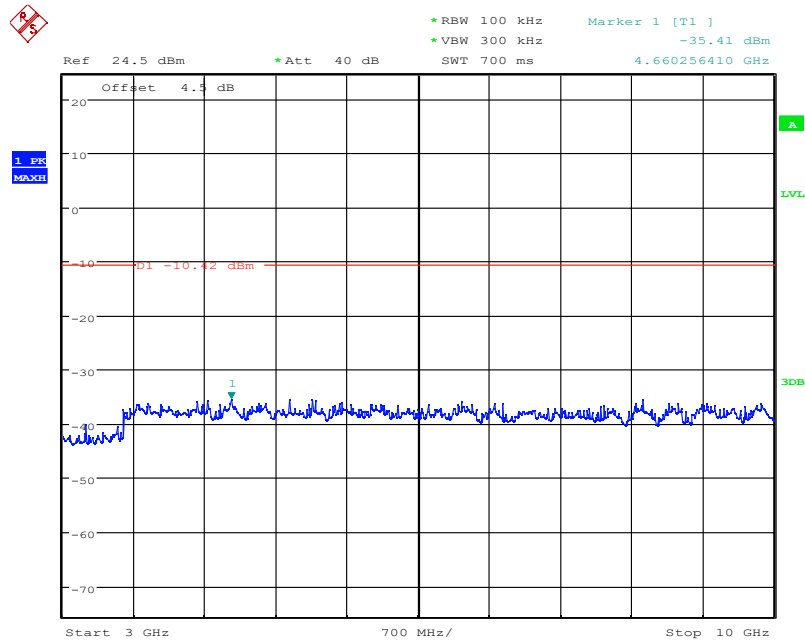


Date: 8.NOV.2021 10:57:45

8DPSK CH39 1GHz – 3GHz

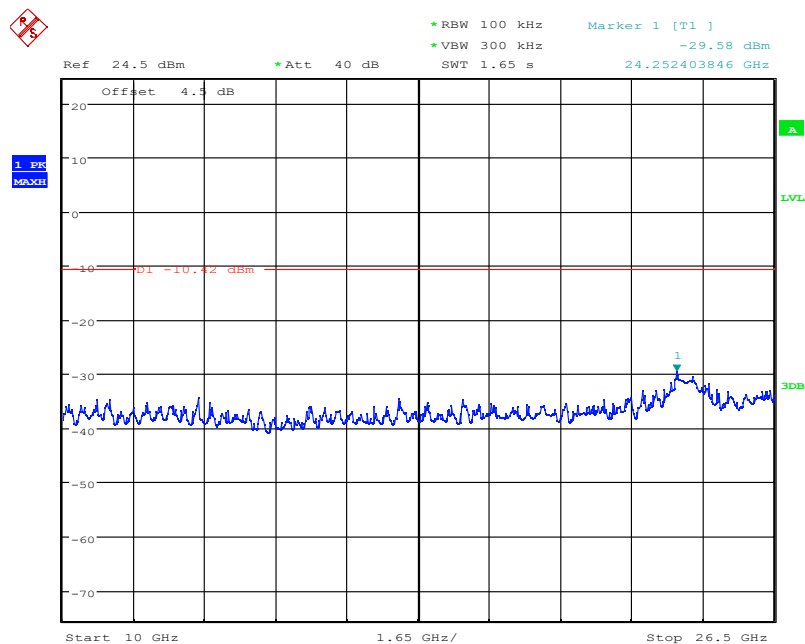
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Date: 8.NOV.2021 10:57:59

8DPSK CH39 3GHz – 10GHz

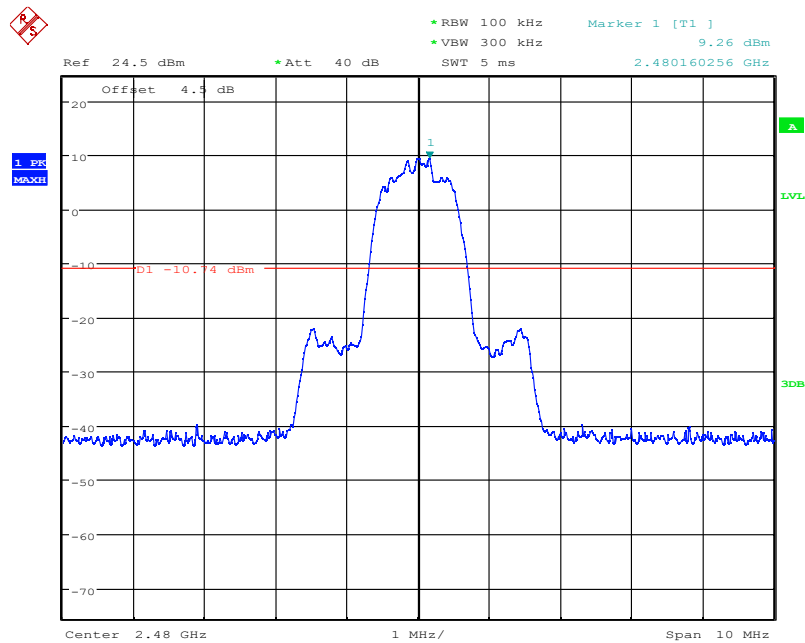


Date: 8.NOV.2021 10:58:18

8DPSK CH39 10GHz – 26.5GHz

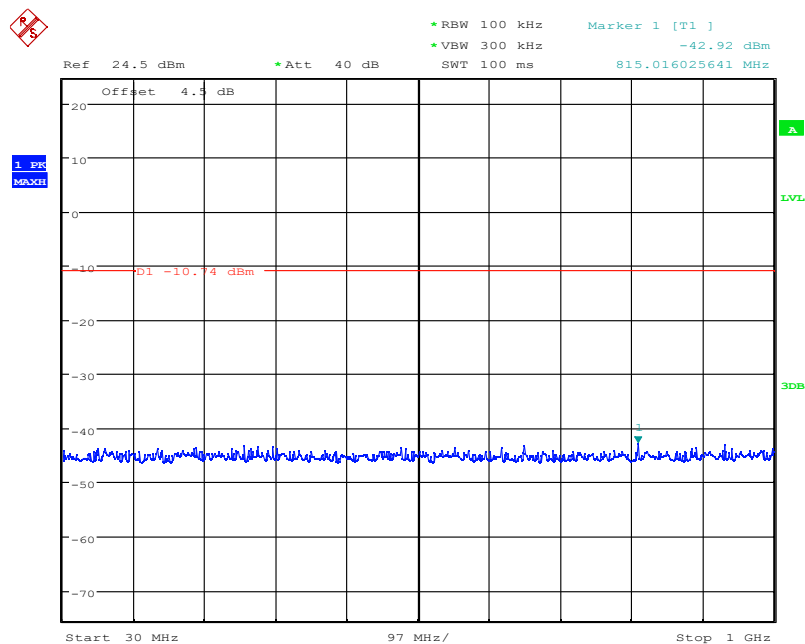
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Date: 8.NOV.2021 10:59:34

8DPSK CH78 Center Frequency

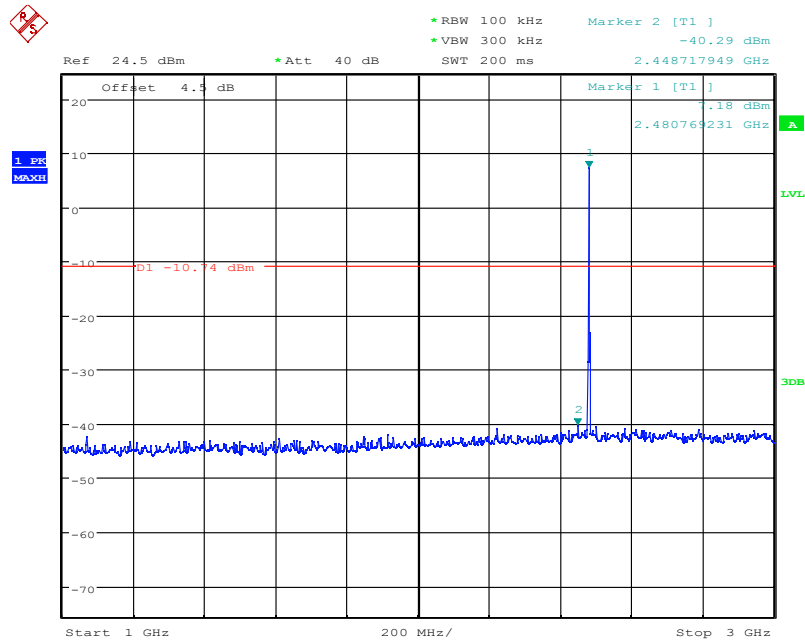


Date: 8.NOV.2021 10:59:50

8DPSK CH78 30MHz – 1GHz

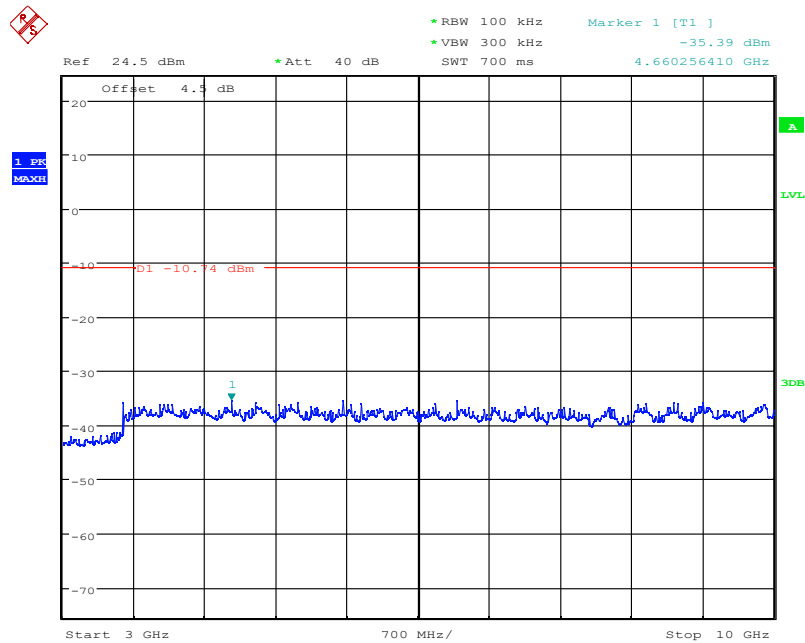
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Date: 8.NOV.2021 11:00:13

8DPSK CH78 1GHz – 3GHz

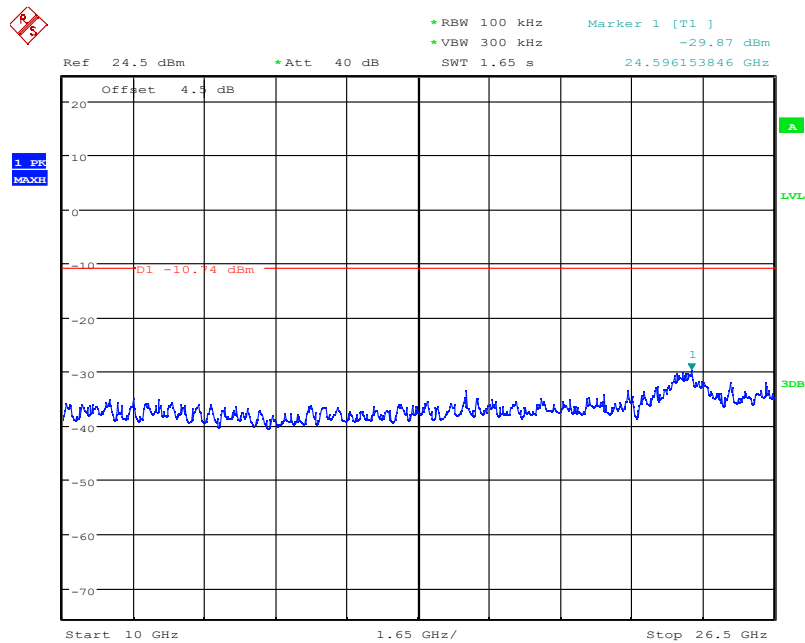


Date: 8.NOV.2021 11:00:27

8DPSK CH78 3GHz – 10GHz

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Date: 8.NOV.2021 11:00:50

8DPSK CH78 10GHz – 26.5GHz

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6.8. Transmitter Spurious Emission-Radiated

Specifications:	FCC Part 15.209(a) and 15.205(a)
DUT Serial Number:	865171050693269 M900332GYA111300009
Test conditions:	Ambient Temperature:15℃-35℃ Relative Humidity:30%-60% Air pressure: 86-106kPa
Test Results:	Pass
Note:There are two kinds of antennas in this test, and the data reflect the worst data with large antenna gain	

Limit

1. 20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed

Frequency (MHz)	Field Strength (uV/m)	Measurement Distance (m)
0.009-0.49	2400/F(kHz)	300
0.49-1.705	24000/F(kHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

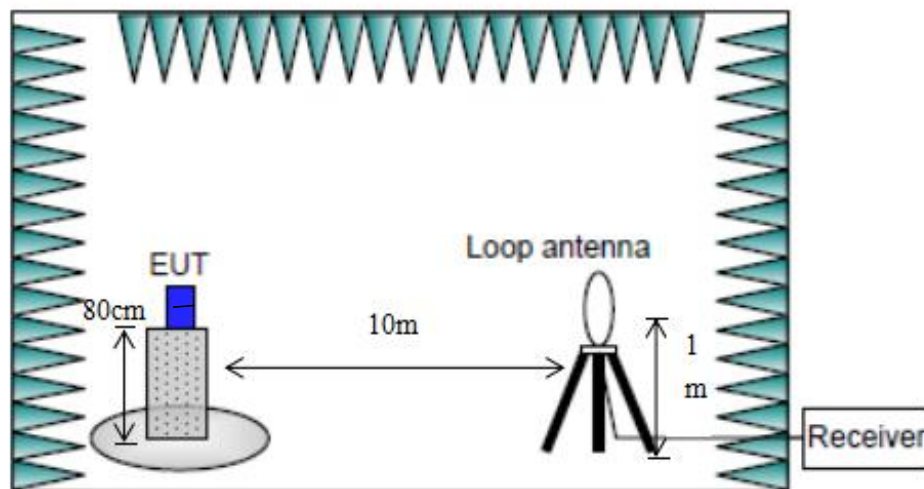
Test Setup

The EUT was placed in an anechoic chamber. The BLUETOOTH TESTER was used to set the TX channel and power level. The transmitter output is connected to Spectrum analyzer through a loop antenna (for frequency below 30MHz) or a Bilog antenna (for frequency 30MHz-1GHz) or a horn antenna (for frequency above 1GHz).

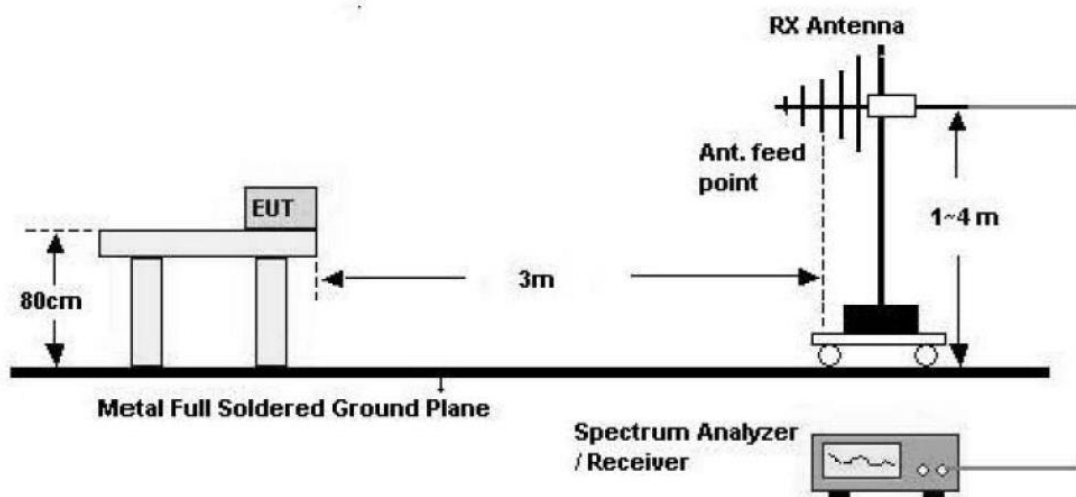
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Below 30MHz:



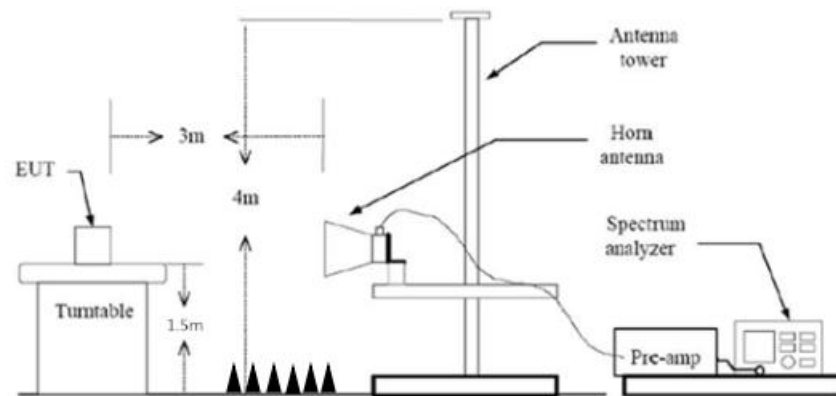
30MHz-1GHz:



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Above 1GHz:



Test Procedure

1. The EUT is placed on a turntable.
2. The turntable shall be rotated for 360 degrees on EUT's x, y and z axis to determine the position of maximum emission level.
3. EUT is set 3 m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
6. Repeat above procedures until the measurements for all frequencies are complete.

The measurement is made according to ANSI C63.10-2013.

Test Settings:

Frequency Range (MHz)	RBW/VBW	Sweep time (s)
0.009~30	10kHz/30KHz	5
30 – 1000	100kHz/300kHz	5
1000 – 4000	1MHz/3MHz	15
4000 – 18000	1MHz/3MHz	40
18000 – 26500	1MHz/3MHz	20

Note: Considering the GFSK modulation with packet type DH5 has the maximum transmission power, so only this mode is tested.

Test result:

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Channel	Frequency Range	Results
All channels	30MHz – 1GHz	Pass
Channel 0	1 GHz – 3GHz	Pass
	2.38GHz-2.45GHz*	Pass
	3 GHz – 18 GHz	Pass
Channel 39	1 GHz – 3GHz	Pass
	3 GHz – 18 GHz	Pass
Channel 78	1 GHz – 3GHz	Pass
	2.45GHz-2.5GHz*	Pass
	3 GHz – 18 GHz	Pass
All channels	18GHz-26.5GHz	Pass

Note*: these tests demonstrate the radiated band-edge test results

Notes:

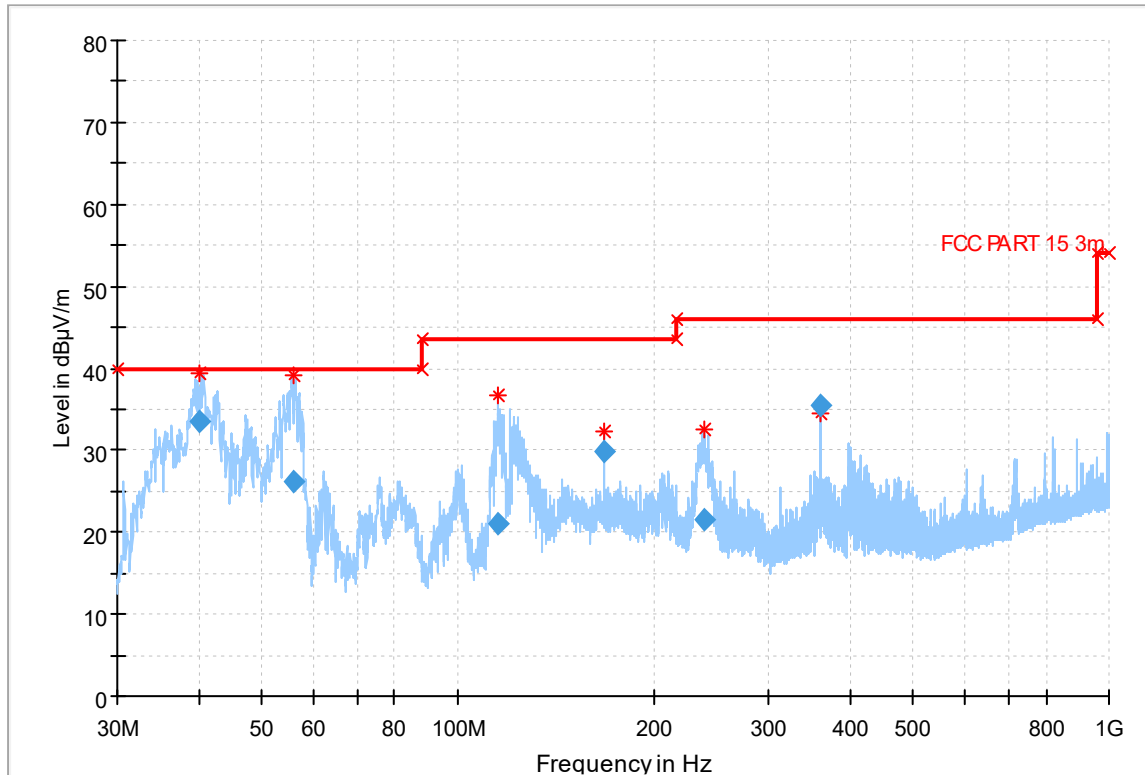
1. Radiated emissions were measured with an instrument using Quasi-peak detector mode in frequency range from 0.009 MHz to 1000MHz, and with peak detector mode in frequency range from 1GHz – 26.5 GHz.

2 Total dBuV/m = Reading dBuV/m – Cable Loss dB + Antenna Gain dB.

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Test Plots:



GFSK DH5 Channel 39 30MHz-1GHz

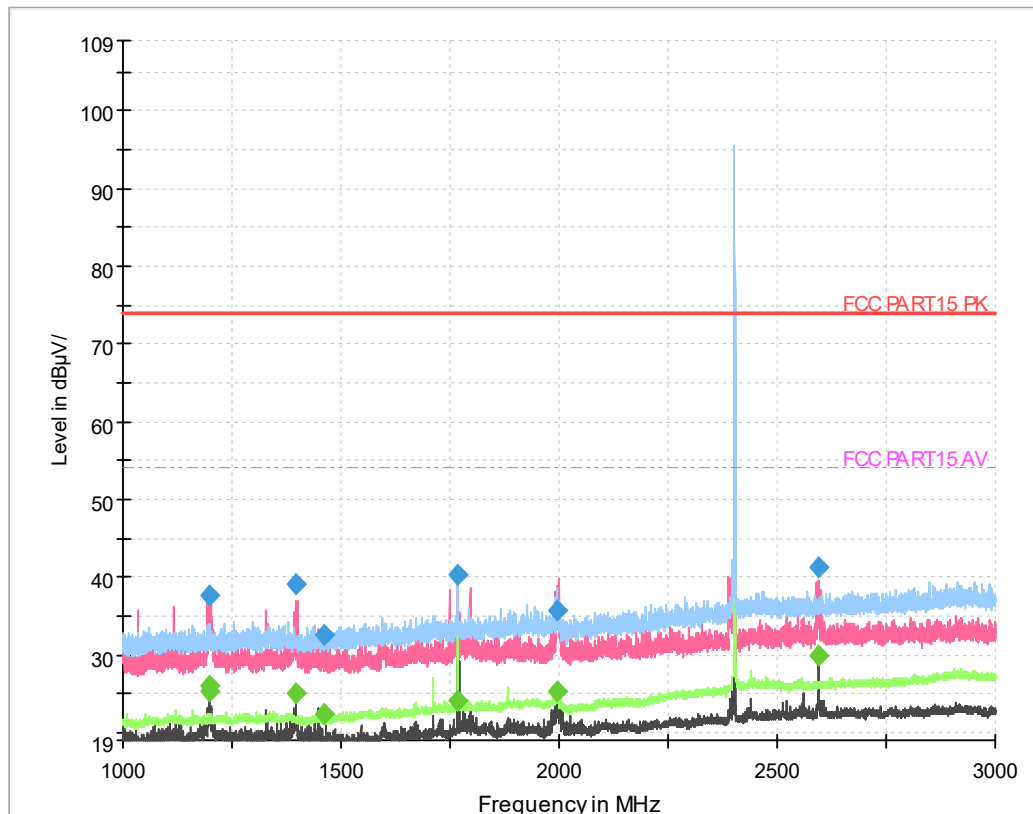
Final Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
40.027500	33.59	40.00	6.41	1000.0	120.000	106.0	V	86.0
56.031000	26.25	40.00	13.76	1000.0	120.000	133.0	V	-28.0
115.334500	21.00	40.00	19.00	1000.0	120.000	115.0	V	68.0
167.982500	29.77	40.00	10.23	1000.0	120.000	106.0	V	154.0
238.248000	21.54	47.00	25.46	1000.0	120.000	176.0	H	229.0
359.994000	35.58	47.00	11.42	1000.0	120.000	145.0	V	160.0

Note: This result is the worst value, and both horizontal polarization and vertical polarization are tested

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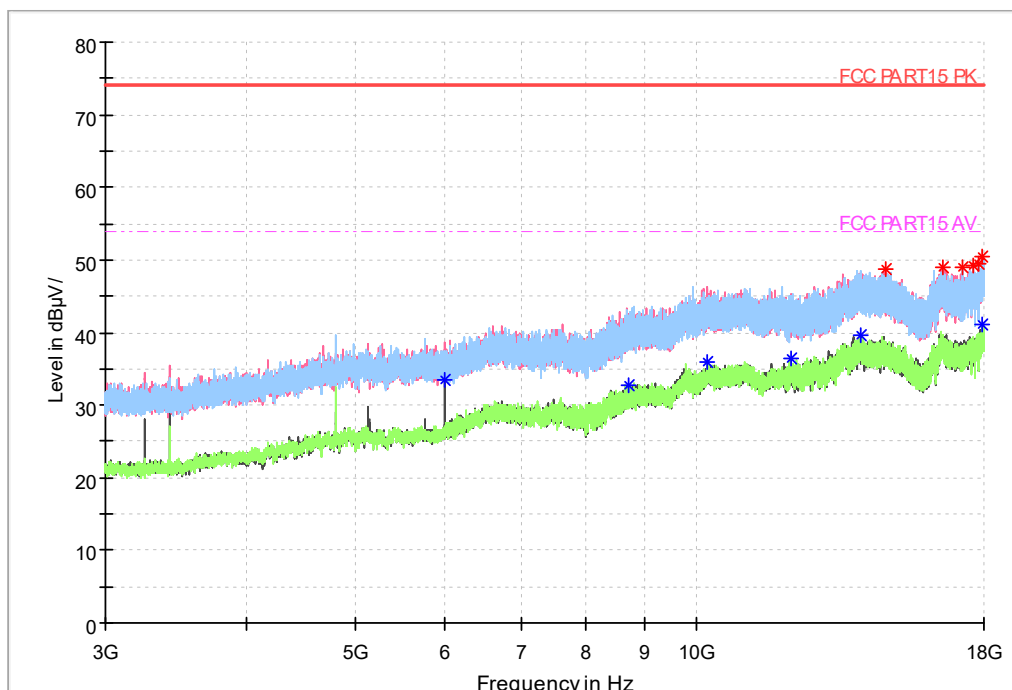
GFSK DH5 Channel 0 1GHz-3GHz

Final Result

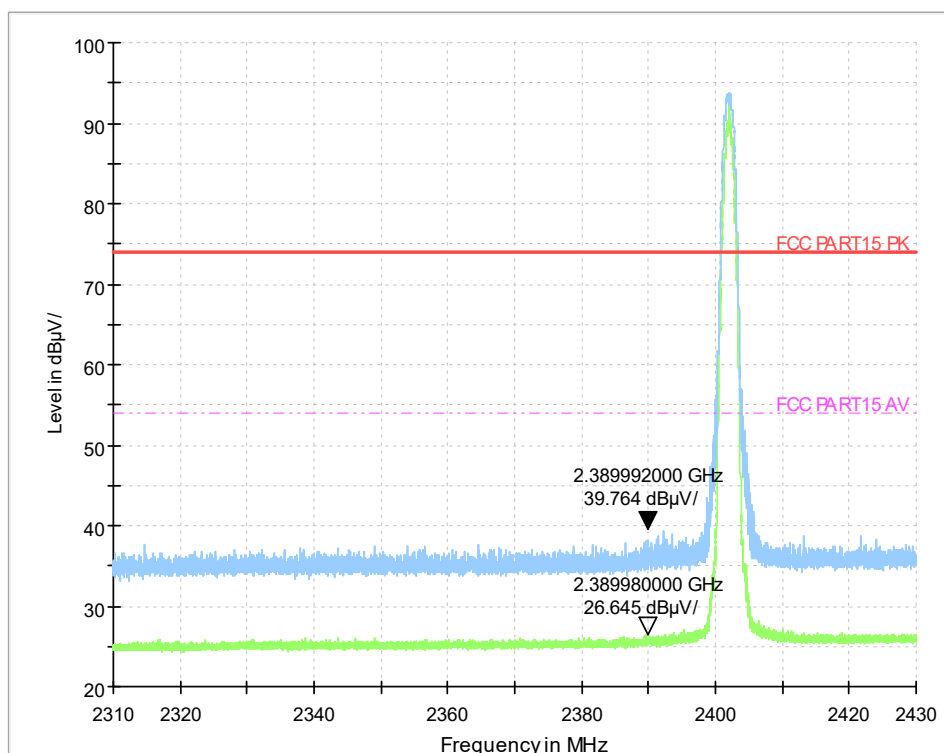
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
1765.800000	---	23.98	54.00	30.02	50.0	1000.000	150.0	H	117.0
1765.600000	40.23	---	74.00	33.77	50.0	1000.000	150.0	H	117.0
1997.000000	35.70	---	74.00	38.30	50.0	1000.000	150.0	V	42.0
1993.800000	---	25.20	54.00	28.80	50.0	1000.000	150.0	H	42.0
1197.000000	37.51	25.20	74.00	36.49	50.0	1000.000	150.0	H	8.0
1197.000000	---	26.04	54.00	27.96	50.0	1000.000	150.0	H	8.0
1395.800000	39.12	---	74.00	34.88	50.0	1000.000	150.0	H	243.0
1396.400000	---	25.04	54.00	28.96	50.0	1000.000	150.0	H	243.0
1462.800000	32.54	---	74.00	41.46	50.0	1000.000	150.0	H	183.0
1461.800000	---	22.41	54.00	31.59	50.0	1000.000	150.0	H	183.0
2594.800000	41.24	---	74.00	32.76	50.0	1000.000	150.0	H	-7.0
2594.600000	---	30.00	54.00	24.00	50.0	1000.000	150.0	H	-7.0

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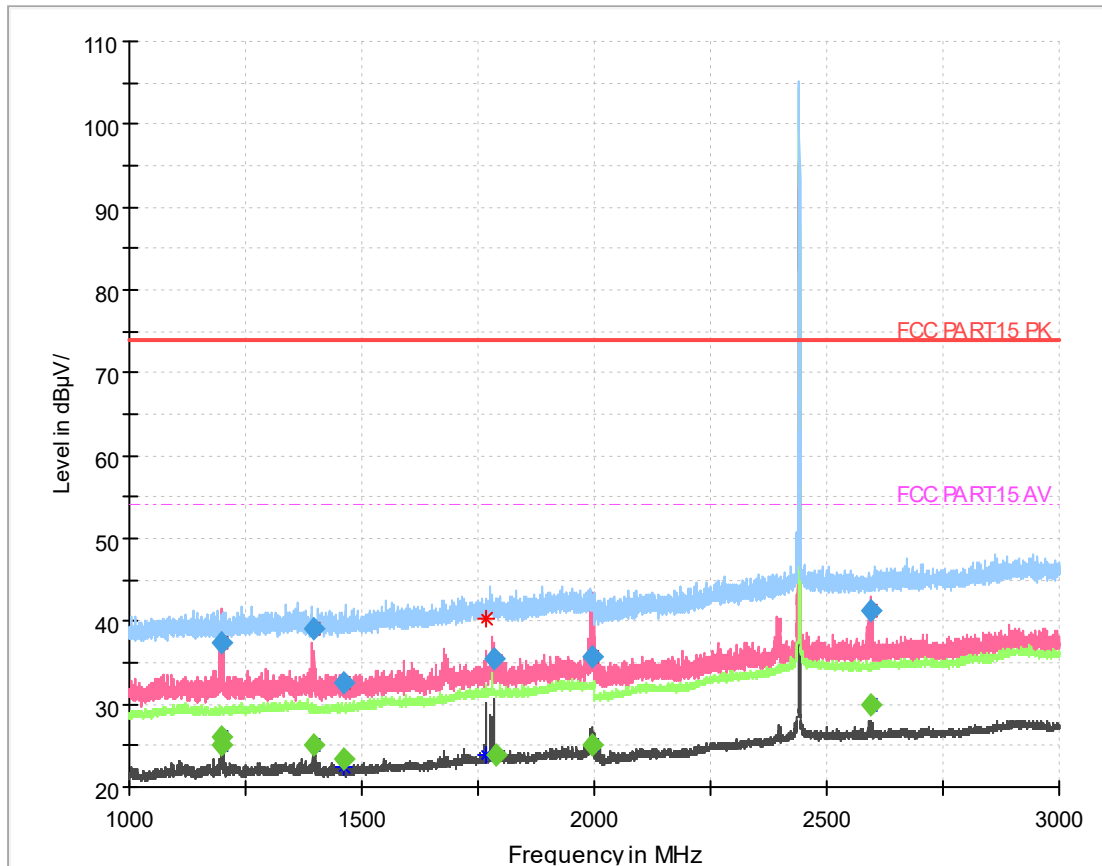
GFSK DH5 Channel 0 3GHz-18GHz



band-edge GFSK DH5 Channel 0

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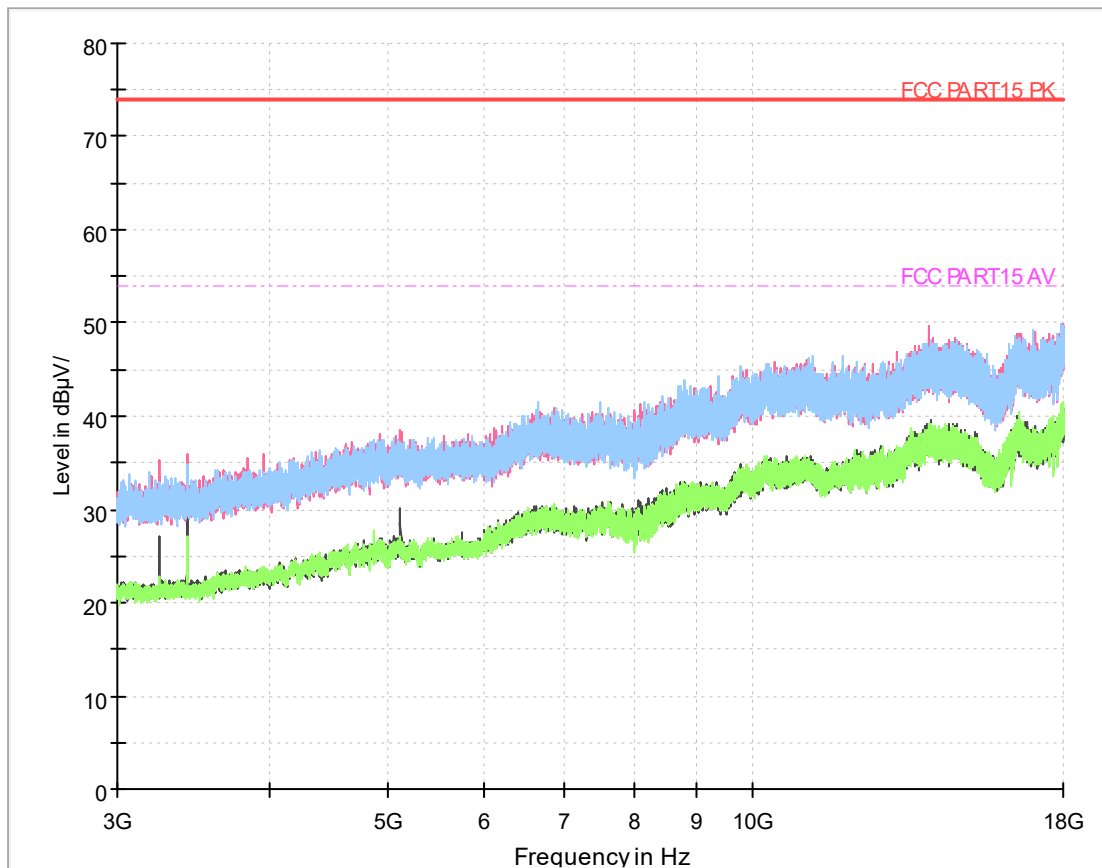
GFSK DH5 Channel 39 1GHz-3GHz

Final Result

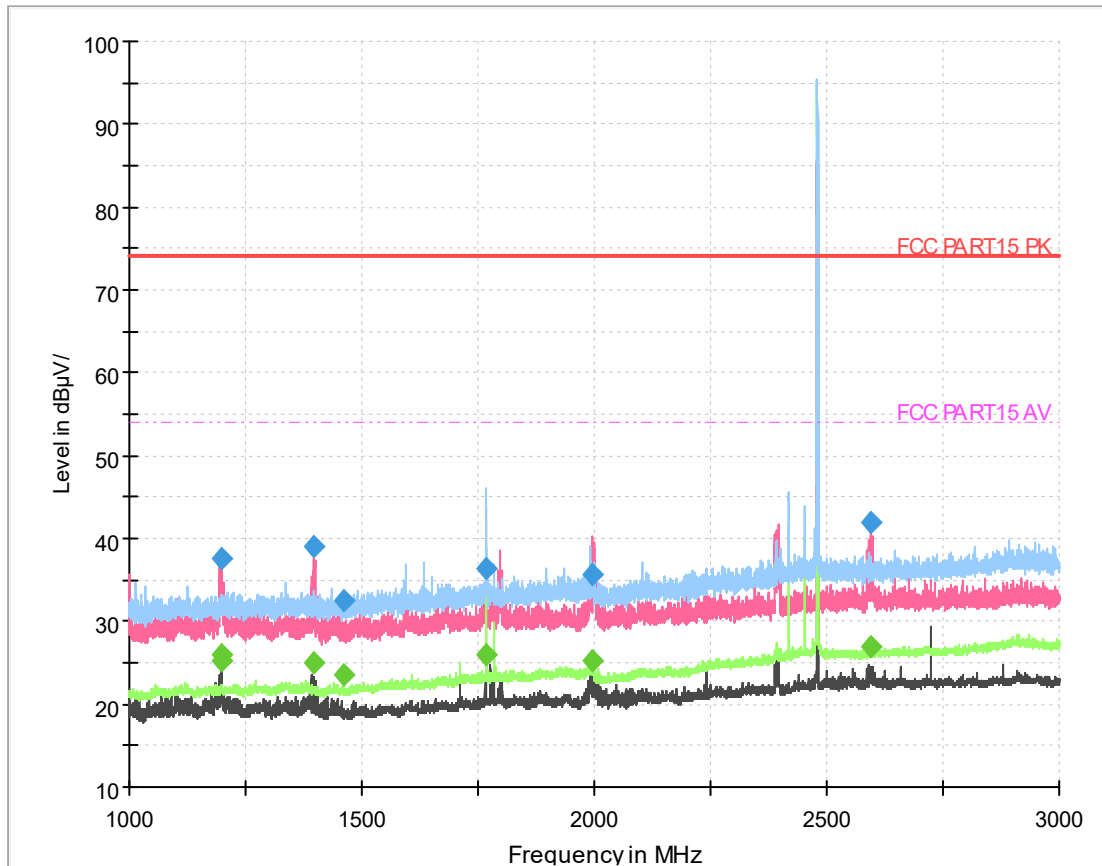
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
1786.800000	---	23.98	54.00	30.02	50.0	1000.000	150.0	H	117.0
1786.600000	35.48	---	74.00	33.77	50.0	1000.000	150.0	H	117.0
1997.000000	35.70	---	74.00	38.30	50.0	1000.000	150.0	V	42.0
1993.800000	---	25.20	54.00	28.80	50.0	1000.000	150.0	H	42.0
1197.000000	37.51	25.20	74.00	36.49	50.0	1000.000	150.0	H	8.0
1197.000000	---	26.04	54.00	27.96	50.0	1000.000	150.0	H	8.0
1395.800000	39.12	---	74.00	34.88	50.0	1000.000	150.0	H	243.0
1396.400000	---	25.04	54.00	28.96	50.0	1000.000	150.0	H	243.0
1462.800000	32.54	---	74.00	41.46	50.0	1000.000	150.0	H	183.0
1461.800000	---	23.48	54.00	30.52	50.0	1000.000	150.0	H	183.0
2594.800000	41.24	---	74.00	32.76	50.0	1000.000	150.0	H	-7.0
2594.600000	---	30.00	54.00	24.00	50.0	1000.000	150.0	H	-7.0

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GFSK DH5 Channel 39 3GHz-18GHz



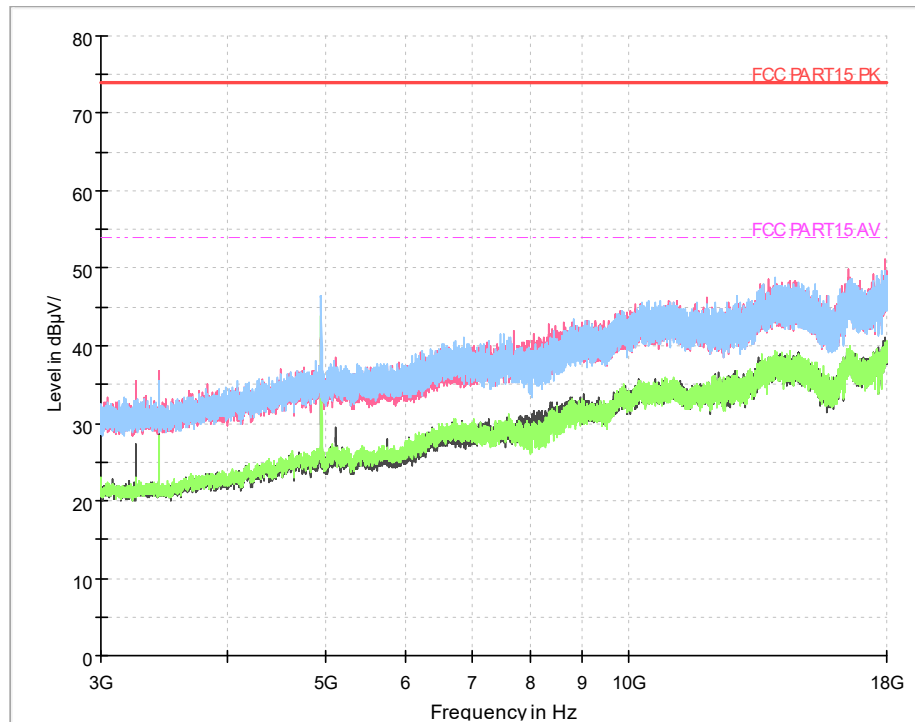
GFSK DH5 Channel 78 1GHz-3GHz

Final Result

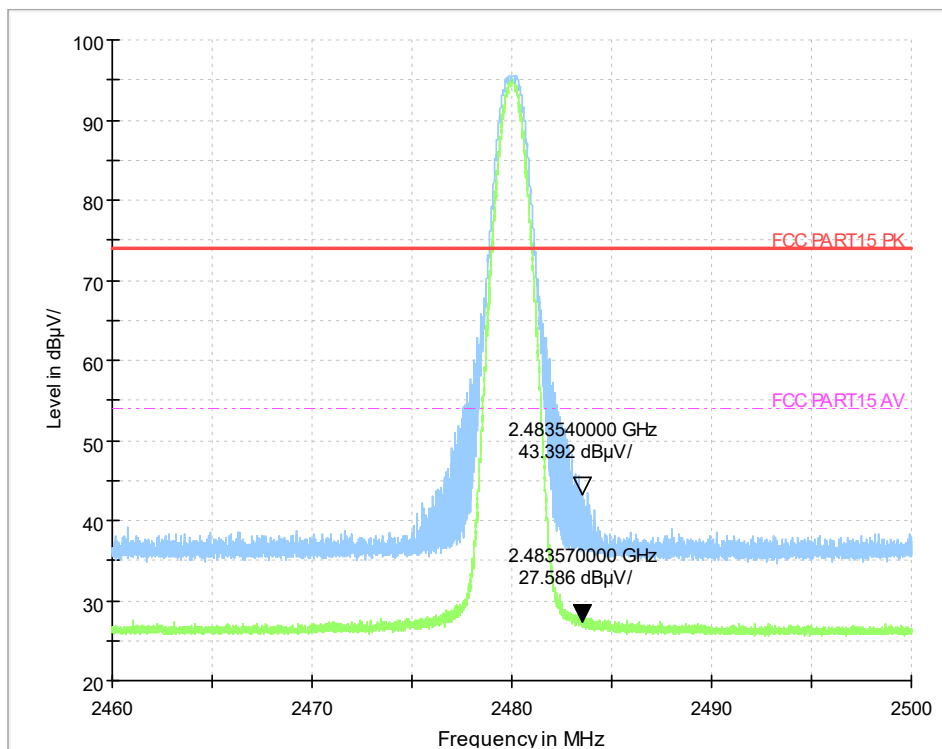
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
1766.400000	---	25.86	54.00	28.14	50.0	1000.000	150.0	H	117.0
1766.600000	36.42	---	74.00	37.23	50.0	1000.000	150.0	H	117.0
1997.000000	35.70	---	74.00	38.30	50.0	1000.000	150.0	V	42.0
1993.800000	---	25.20	54.00	28.80	50.0	1000.000	150.0	H	42.0
1197.000000	37.51	25.20	74.00	36.49	50.0	1000.000	150.0	H	8.0
1197.000000	---	26.04	54.00	27.96	50.0	1000.000	150.0	H	8.0
1395.800000	39.12	---	74.00	34.88	50.0	1000.000	150.0	H	240.0
1396.400000	---	25.04	54.00	28.96	50.0	1000.000	150.0	H	240.0
1462.800000	32.54	---	74.00	41.46	50.0	1000.000	150.0	H	156.0
1461.800000	---	23.48	54.00	30.52	50.0	1000.000	150.0	H	156.0
2594.800000	41.84	---	74.00	32.14	50.0	1000.000	150.0	H	-7.0
2594.600000	---	26.87	54.00	27.13	50.0	1000.000	150.0	H	-7.0

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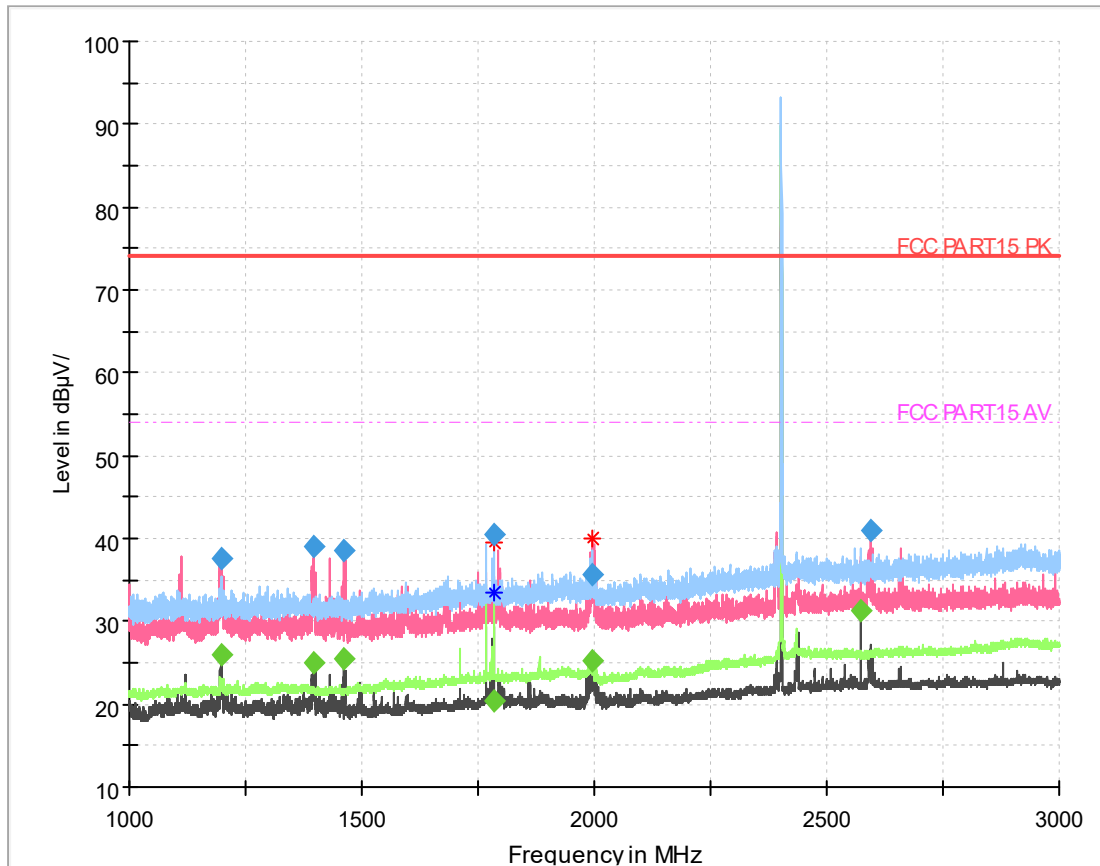
GFSK DH5 Channel 39 3GHz-18GHz



band-edge GFSK DH5 Channel 78

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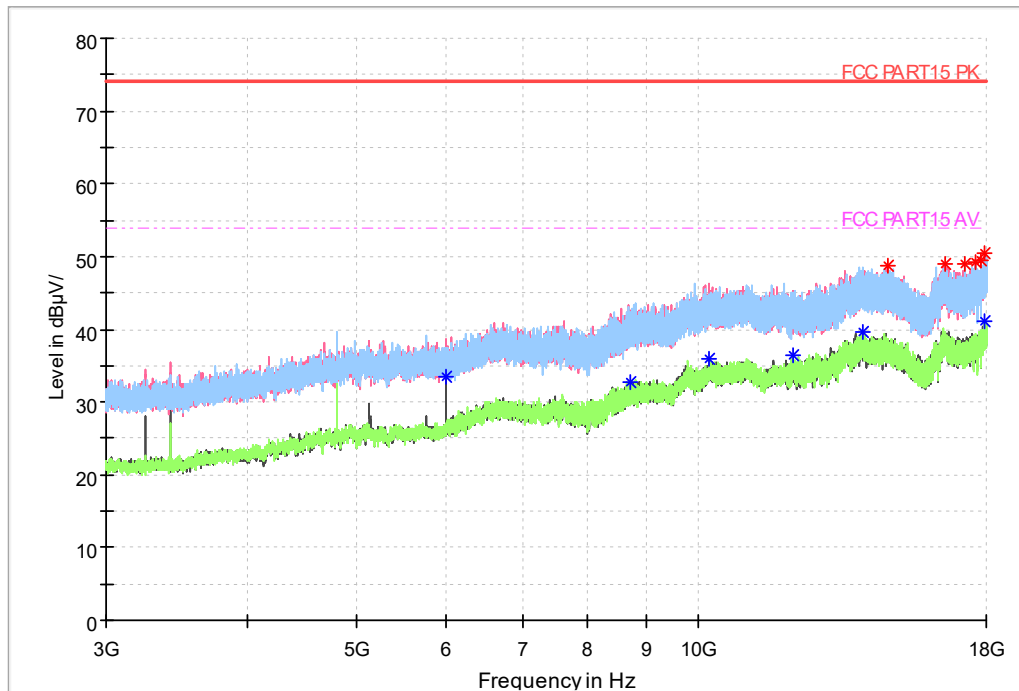
PI/4 DQPSK 2DH5 CH0 1GHz-3GHz

Final Result

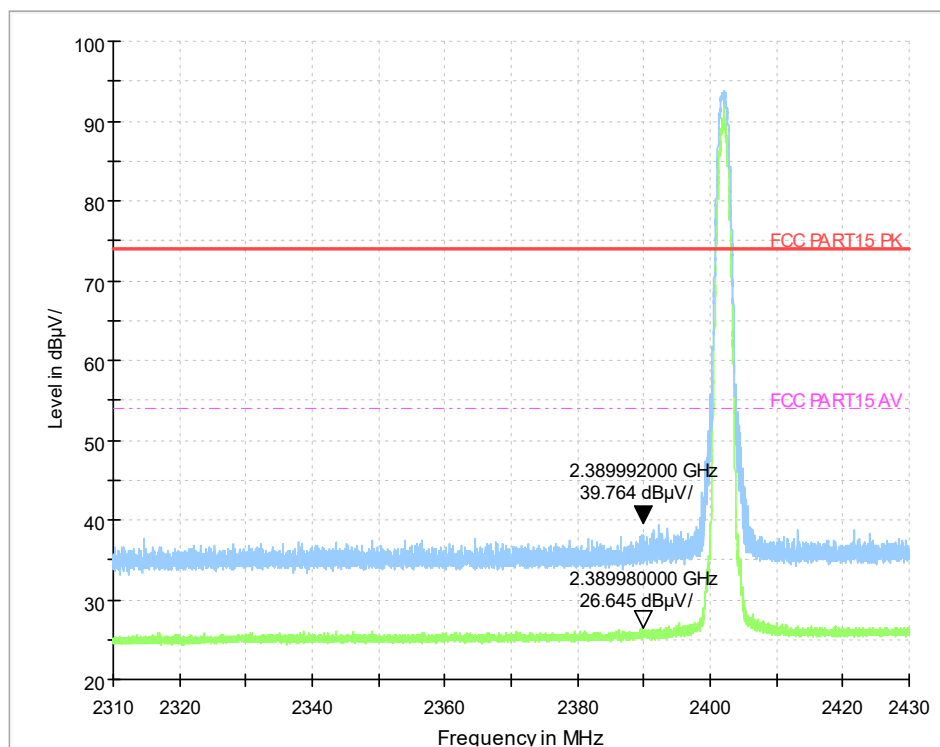
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
1784.000000	---	20.48	54.00	33.52	50.0	1000.000	150.0	H	117.0
1784.000000	40.53	---	74.00	33.47	50.0	1000.000	150.0	H	117.0
1997.000000	35.70	---	74.00	38.30	50.0	1000.000	150.0	V	42.0
1993.800000	---	25.20	54.00	28.80	50.0	1000.000	150.0	H	42.0
1197.000000	37.51	---	74.00	36.49	50.0	1000.000	150.0	H	7.0
1197.000000	---	26.04	54.00	27.96	50.0	1000.000	150.0	H	7.0
1395.800000	39.12	---	74.00	34.88	50.0	1000.000	150.0	H	243.0
1396.400000	---	25.04	54.00	28.96	50.0	1000.000	150.0	H	243.0
1462.800000	38.54	---	74.00	35.46	50.0	1000.000	150.0	H	183.0
1461.800000	---	25.53	54.00	28.47	50.0	1000.000	150.0	H	183.0
2594.800000	41.07	---	74.00	32.93	50.0	1000.000	150.0	H	-2.0
2573.600000	---	31.20	54.00	22.80	50.0	1000.000	150.0	H	-2.0

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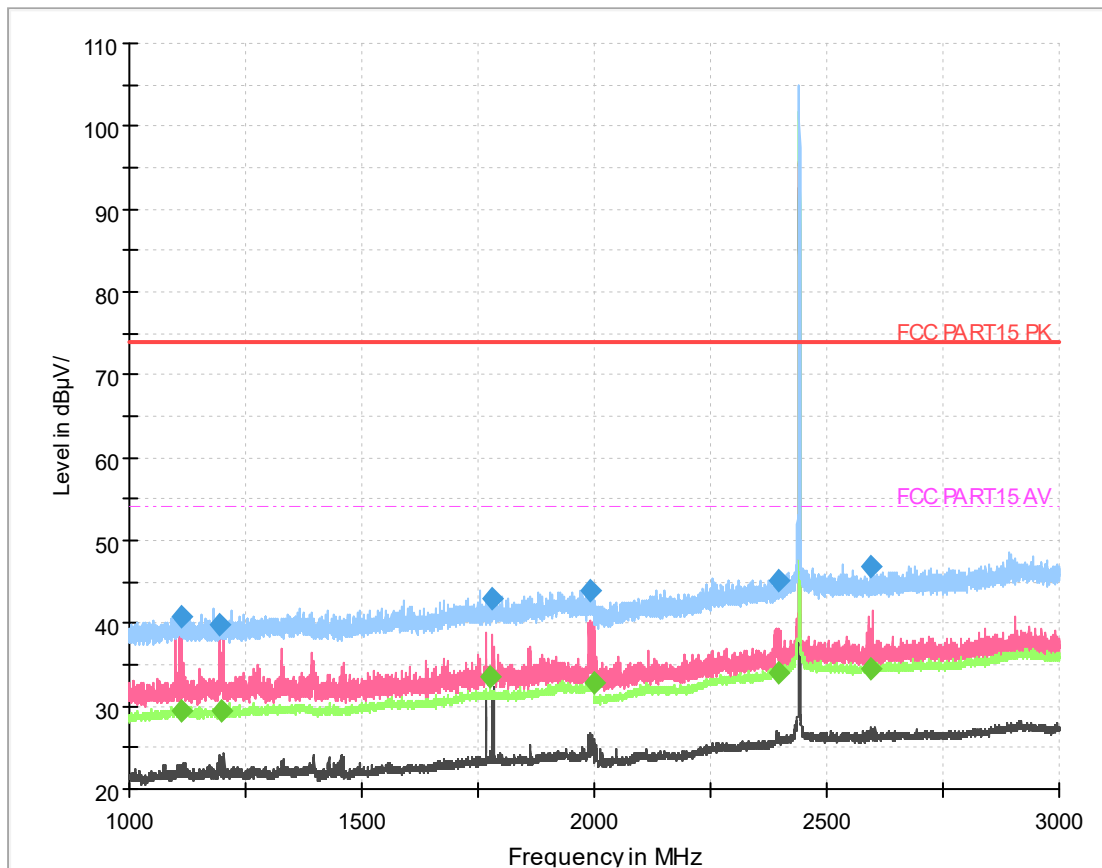
PI/4 DQPSK 2DH5 CH0 3GHz-18GHz



band-edge PI/4 DQPSK 2DH5 Channel 0

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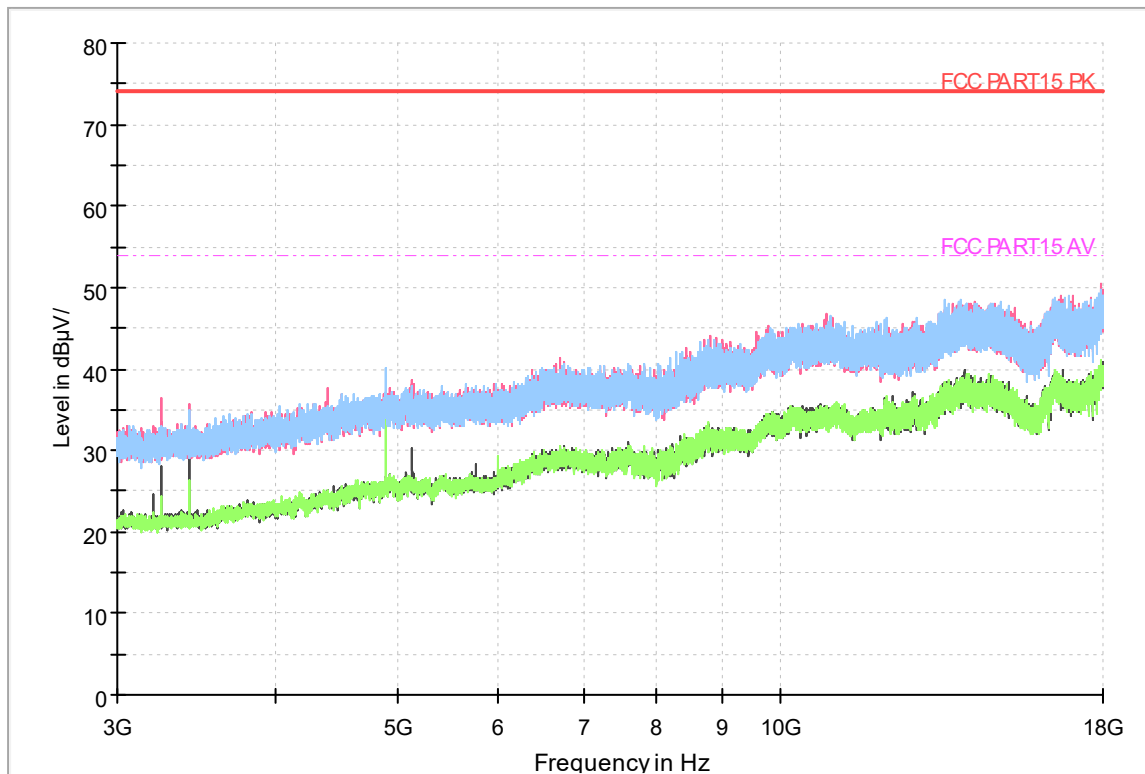
PI/4 DQPSK 2DH5 CH39 1GHz-3GHz

Final Result

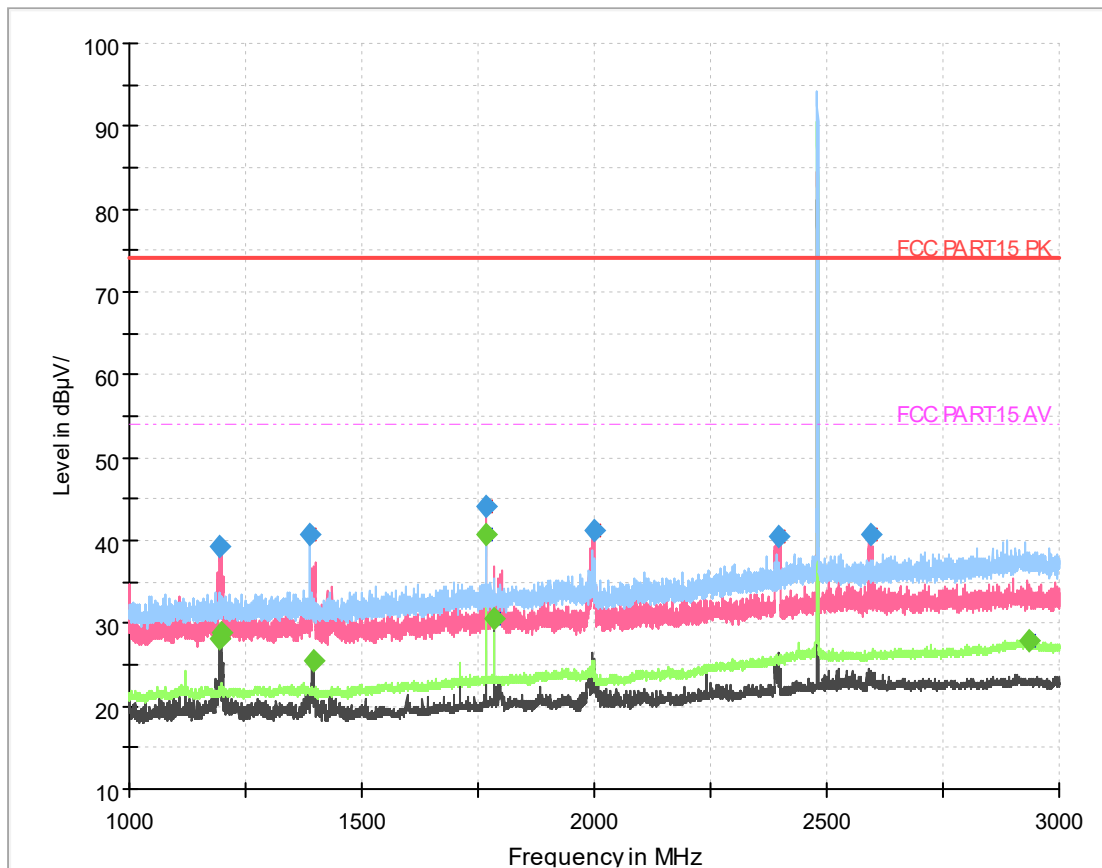
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
1113.200000	40.78	---	74.00	33.22	50.0	1000.000	150.0	H	50.0
1110.600000	---	29.55	54.00	24.45	50.0	1000.000	150.0	H	50.0
1195.800000	39.85	---	74.00	34.15	50.0	1000.000	150.0	H	142.0
1197.200000	---	29.55	54.00	24.45	50.0	1000.000	150.0	H	142.0
1779.600000	43.00	---	74.00	31.00	50.0	1000.000	150.0	H	9.0
1776.800000	---	33.64	54.00	20.44	50.0	1000.000	150.0	H	9.0
1992.800000	43.89	---	74.00	30.11	50.0	1000.000	150.0	H	46.0
1998.200000	---	32.72	54.00	21.28	50.0	1000.000	150.0	H	46.0
2395.200000	45.08	---	74.00	28.92	50.0	1000.000	150.0	H	-24.0
2395.800000	---	34.12	54.00	19.88	50.0	1000.000	150.0	H	-24.0
2596.400000	46.77	---	74.00	27.23	50.0	1000.000	150.0	H	211.0
2593.600000	---	34.47	54.00	19.53	50.0	1000.000	150.0	H	211.0

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PI/4 DQPSK 2DH5 CH39 3GHz-18GHz



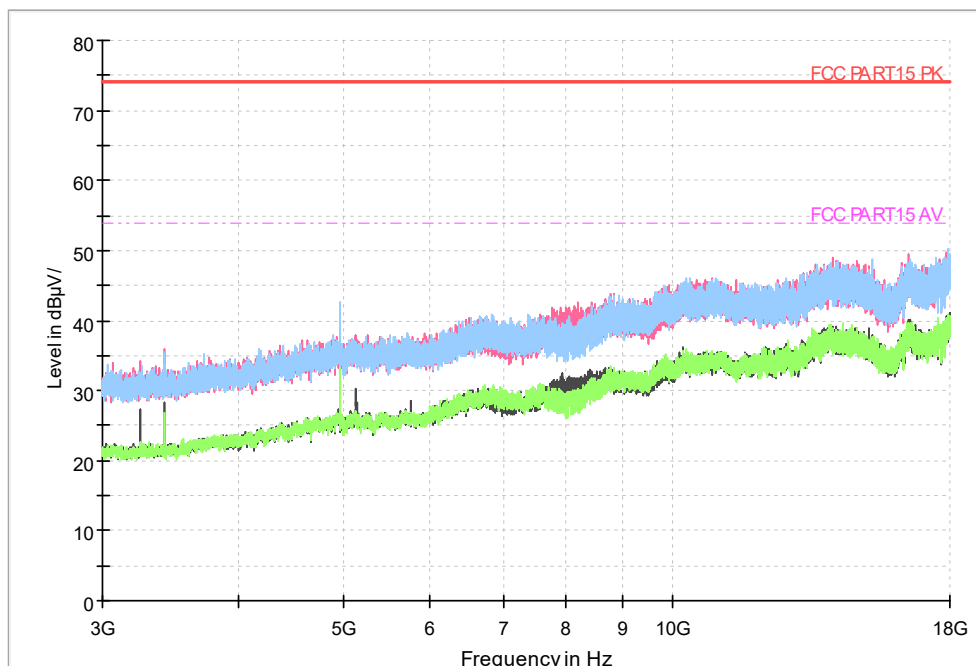
PI/4 DQPSK 2DH5 CH78 1GHz-3GHz

Final Result

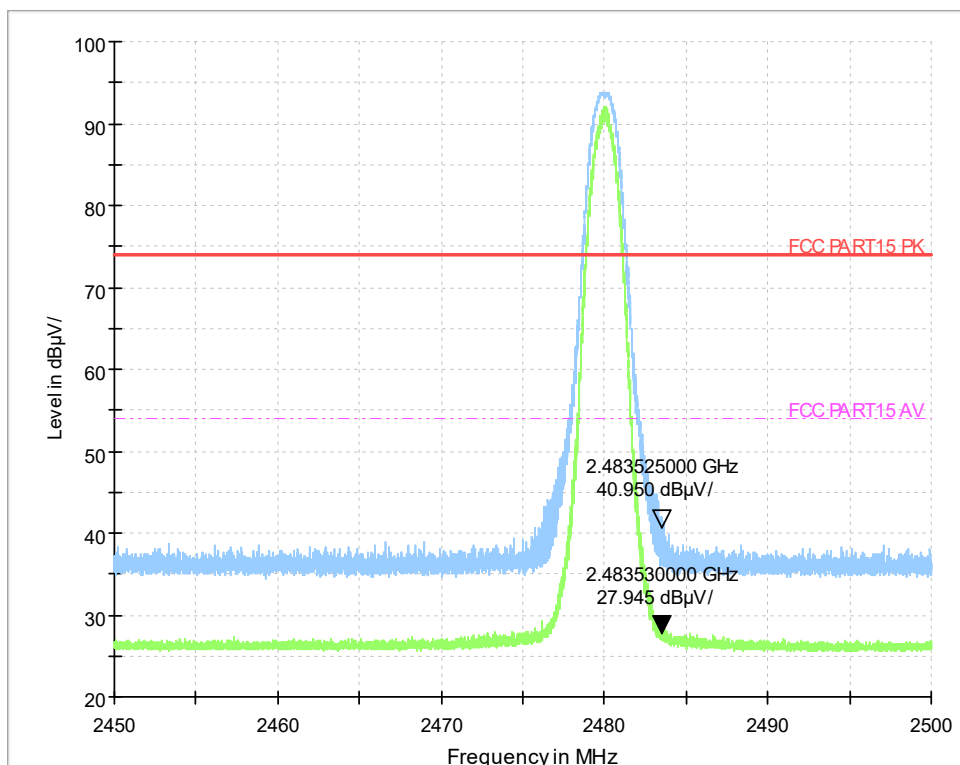
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
1195.200000	---	28.18	54.00	25.82	50.0	1000.000	150.0	V	270.0
1198.600000	---	28.87	54.00	25.13	50.0	1000.000	150.0	V	270.0
1386.400000	40.63	---	74.00	33.37	50.0	1000.000	150.0	H	268.0
1766.000000	44.06	---	74.00	29.94	50.0	1000.000	150.0	V	0.0
1766.000000	---	40.69	54.00	13.31	50.0	1000.000	150.0	V	0.0
1783.800000	---	30.58	54.00	23.42	50.0	1000.000	150.0	V	264.0
1998.000000	41.16	---	74.00	32.84	50.0	1000.000	150.0	V	0.0
2395.200000	40.55	---	74.00	33.45	50.0	1000.000	150.0	V	7.0
2595.400000	40.80	---	74.00	33.20	50.0	1000.000	150.0	V	51.0
2933.800000	---	28.01	54.00	25.99	50.0	1000.000	150.0	H	224.0
1194.800000	39.19	---	74.00	34.81	50.0	1000.000	150.0	H	270.0
1398.400000	---	25.54	54.00	28.46	50.0	1000.000	150.0	H	264.0

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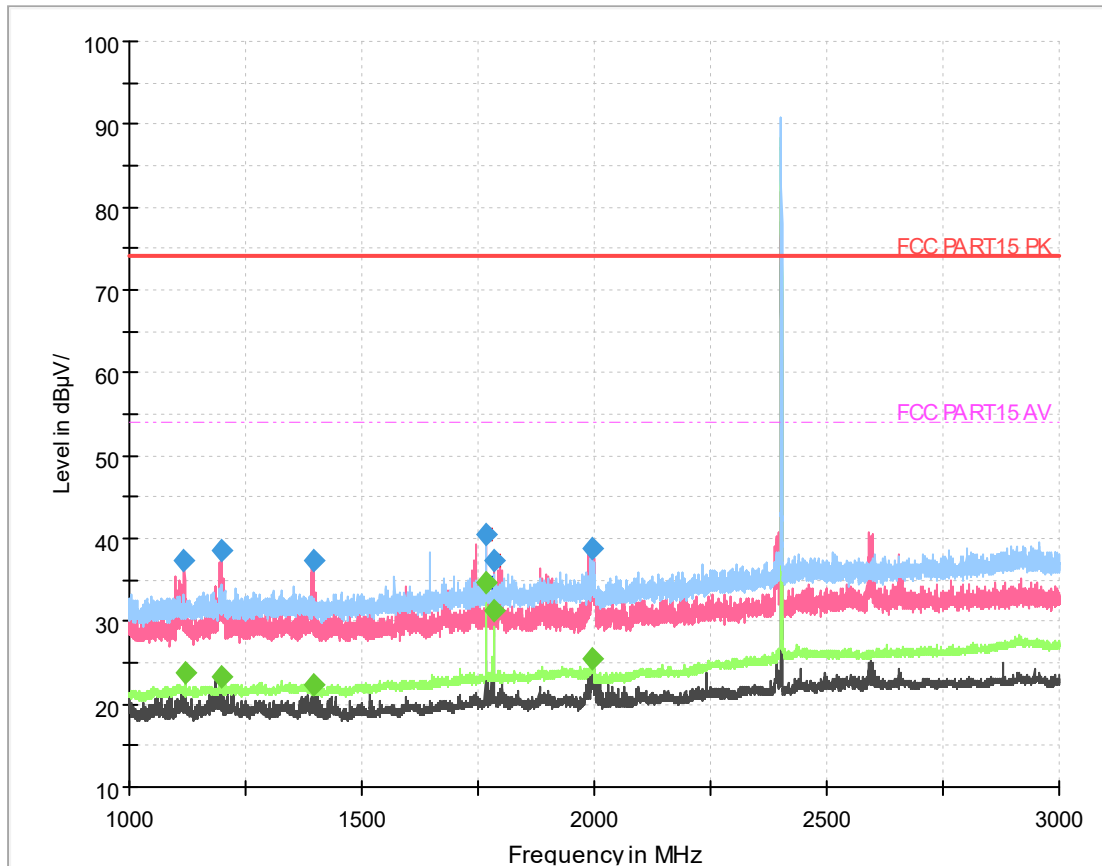
PI/4 DQPSK 2DH5 CH39 3GHz-18GHz



band-edge PI/4 DQPSK 2DH5 Channel 78

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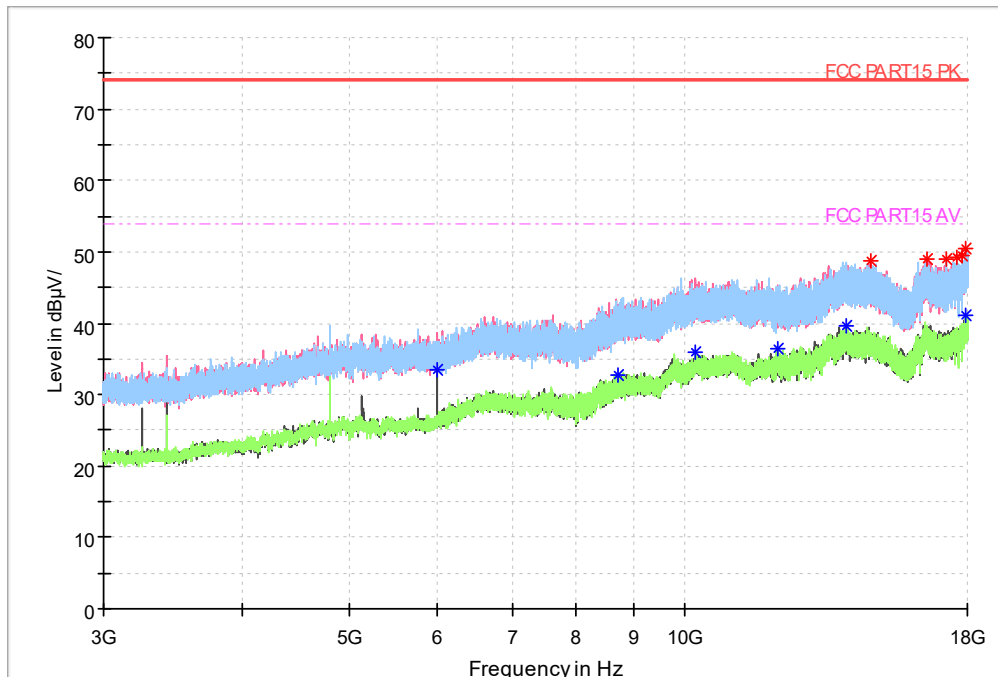
8DPSK 3DH5 CH00 1GHz-3GHz

Final Result

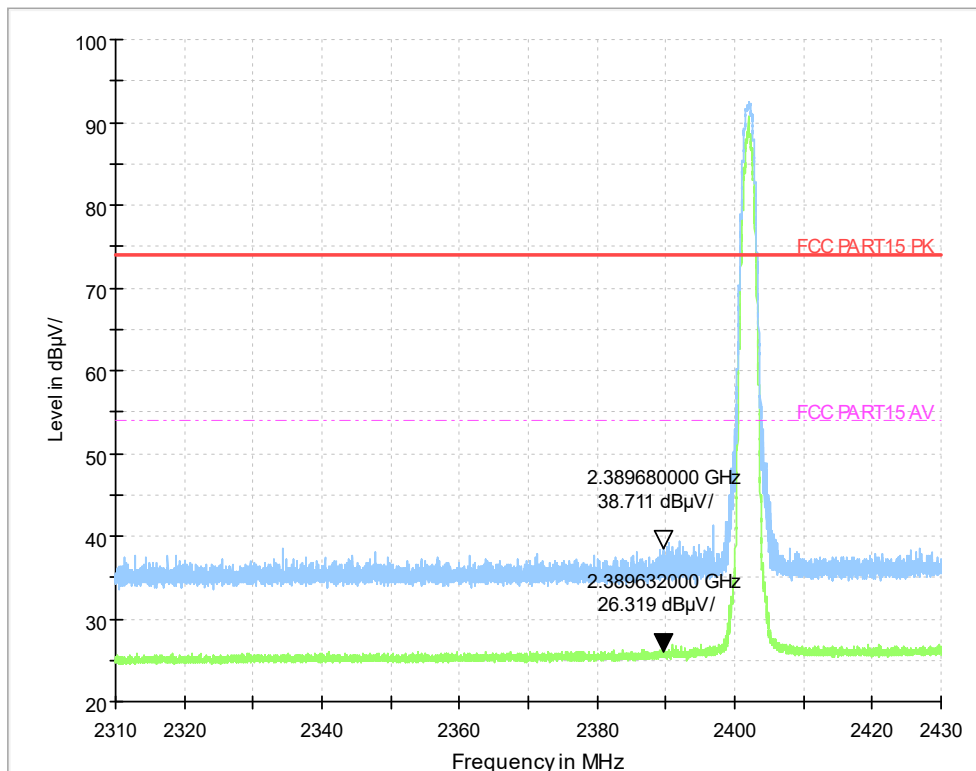
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
1765.600000	---	34.68	54.00	19.32	50.0	1000.000	150.0	H	270.0
1765.800000	40.38	---	74.00	33.62	50.0	1000.000	150.0	V	89.0
1783.800000	37.23	---	74.00	36.77	50.0	1000.000	150.0	V	89.0
1784.000000	---	31.33	54.00	22.67	50.0	1000.000	150.0	H	270.0
1197.800000	38.51	---	74.00	35.49	50.0	1000.000	150.0	H	152.0
1197.800000	---	23.33	54.00	30.67	50.0	1000.000	150.0	H	152.0
1118.400000	37.22	---	74.00	36.78	50.0	1000.000	150.0	H	168.0
1120.200000	---	23.87	54.00	30.13	50.0	1000.000	150.0	H	168.0
1395.400000	37.28	---	74.00	36.72	50.0	1000.000	150.0	H	63.0
1396.800000	---	22.36	54.00	31.64	50.0	1000.000	150.0	H	63.0
1994.600000	38.77	---	74.00	35.23	50.0	1000.000	150.0	H	210.0
1994.200000	---	25.48	54.00	28.52	50.0	1000.000	150.0	H	210.0

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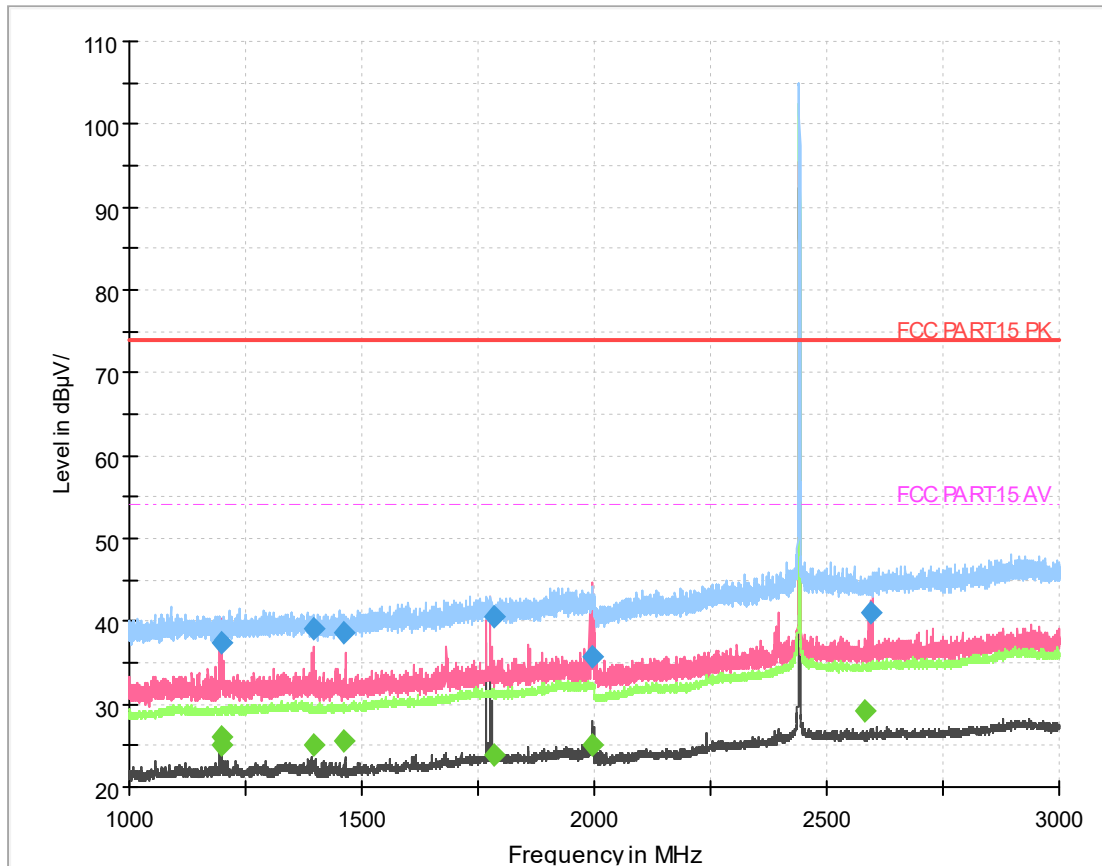
8DPSK 3DH5 CH00 3GHz-18GHz



band-edge 8DPSK 3DH5 Channel 00

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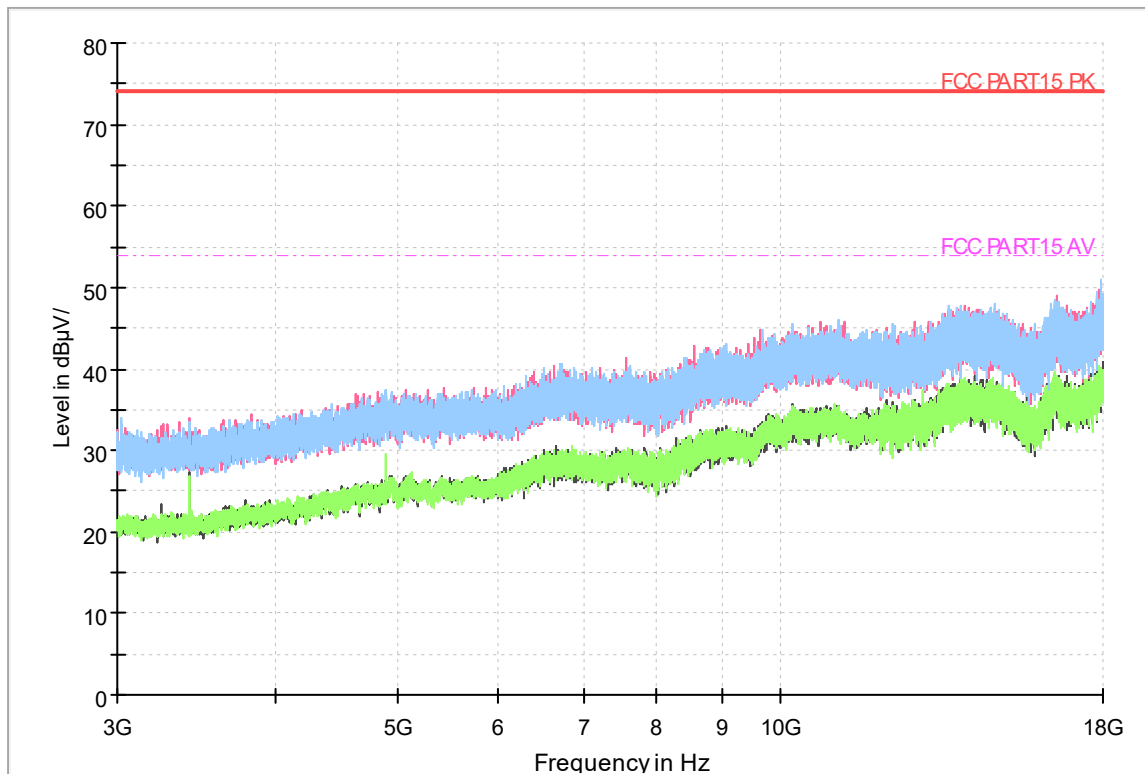
8DPSK 3DH5 CH39 1GHz-3GHz

Final Result

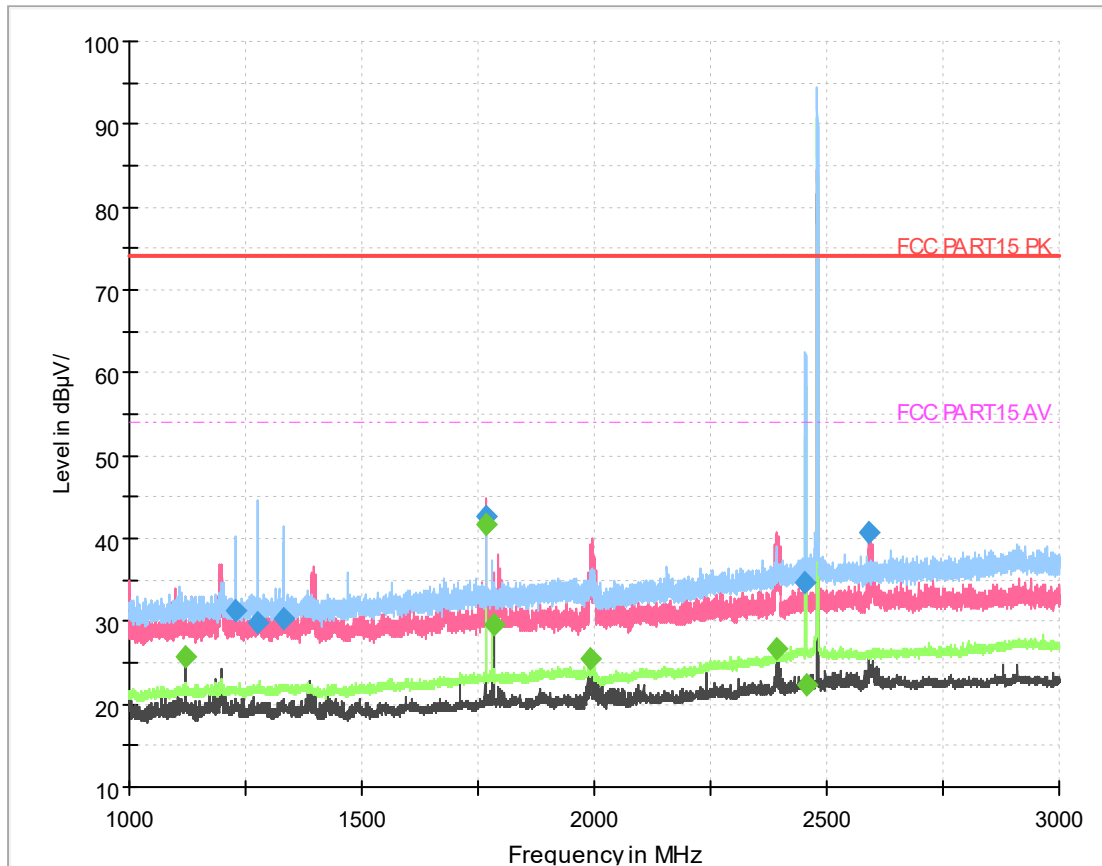
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
1784.000000	---	23.98	54.00	30.02	50.0	1000.000	150.0	H	117.0
1784.000000	40.53	---	74.00	33.47	50.0	1000.000	150.0	H	117.0
1997.000000	35.70	---	74.00	38.30	50.0	1000.000	150.0	V	42.0
1993.800000	---	25.20	54.00	28.80	50.0	1000.000	150.0	H	42.0
1197.000000	37.51	25.20	74.00	36.49	50.0	1000.000	150.0	H	8.0
1197.000000	---	26.04	54.00	27.96	50.0	1000.000	150.0	H	8.0
1395.800000	39.12	---	74.00	34.88	50.0	1000.000	150.0	H	243.0
1396.400000	---	25.04	54.00	28.96	50.0	1000.000	150.0	H	243.0
1462.800000	38.54	---	74.00	35.46	50.0	1000.000	150.0	H	183.0
1461.800000	---	25.53	54.00	28.47	50.0	1000.000	150.0	H	183.0
2594.800000	41.07	---	74.00	32.93	50.0	1000.000	150.0	H	-7.0
2583.600000	---	29.20	54.00	24.80	50.0	1000.000	150.0	H	-7.0

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8DPSK 3DH5 CH39 3GHz-18GHz



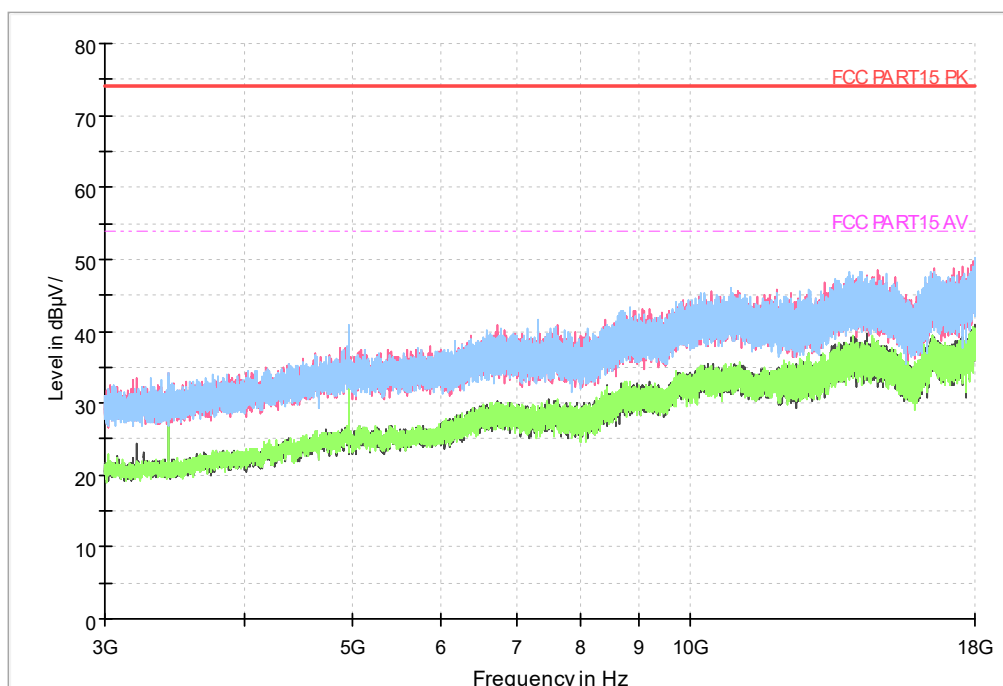
8DPSK 3DH5 CH78 1GHz-3GHz

Final Result

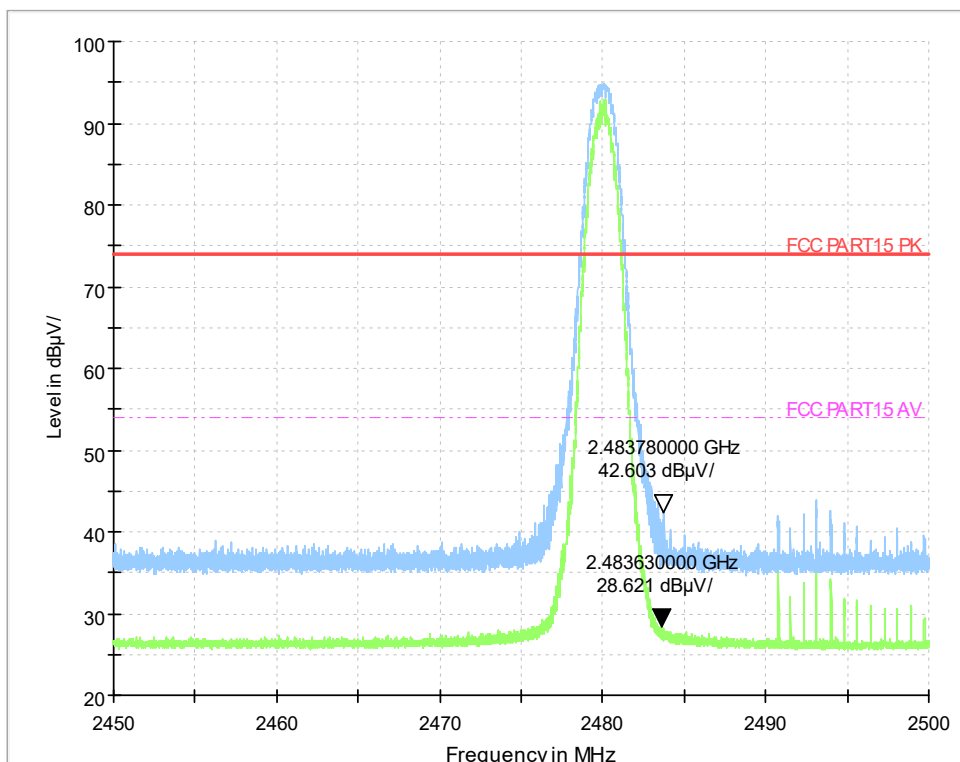
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
1765.800000	42.67	---	74.00	31.33	50.0	1000.000	150.0	V	59.0
1766.000000	---	41.75	54.00	12.25	50.0	1000.000	150.0	V	59.0
2454.600000	34.57	---	74.00	39.43	50.0	1000.000	150.0	H	227.0
2455.000000	---	22.25	54.00	31.75	50.0	1000.000	150.0	H	227.0
1277.000000	29.79	---	74.00	44.21	50.0	1000.000	150.0	H	168.0
1228.800000	31.38	---	74.00	42.62	50.0	1000.000	150.0	H	168.0
1332.200000	30.35	---	74.00	41.65	50.0	1000.000	150.0	H	120.0
2589.000000	40.71	---	74.00	33.29	50.0	1000.000	150.0	H	120.0
1783.400000	---	29.66	54.00	24.34	50.0	1000.000	150.0	H	23.0
1992.800000	---	25.56	54.00	28.44	50.0	1000.000	150.0	H	56.0
2390.800000	---	26.68	54.00	27.32	50.0	1000.000	150.0	H	210.0
1120.000000	---	25.80	54.00	28.20	50.0	1000.000	150.0	H	199.0

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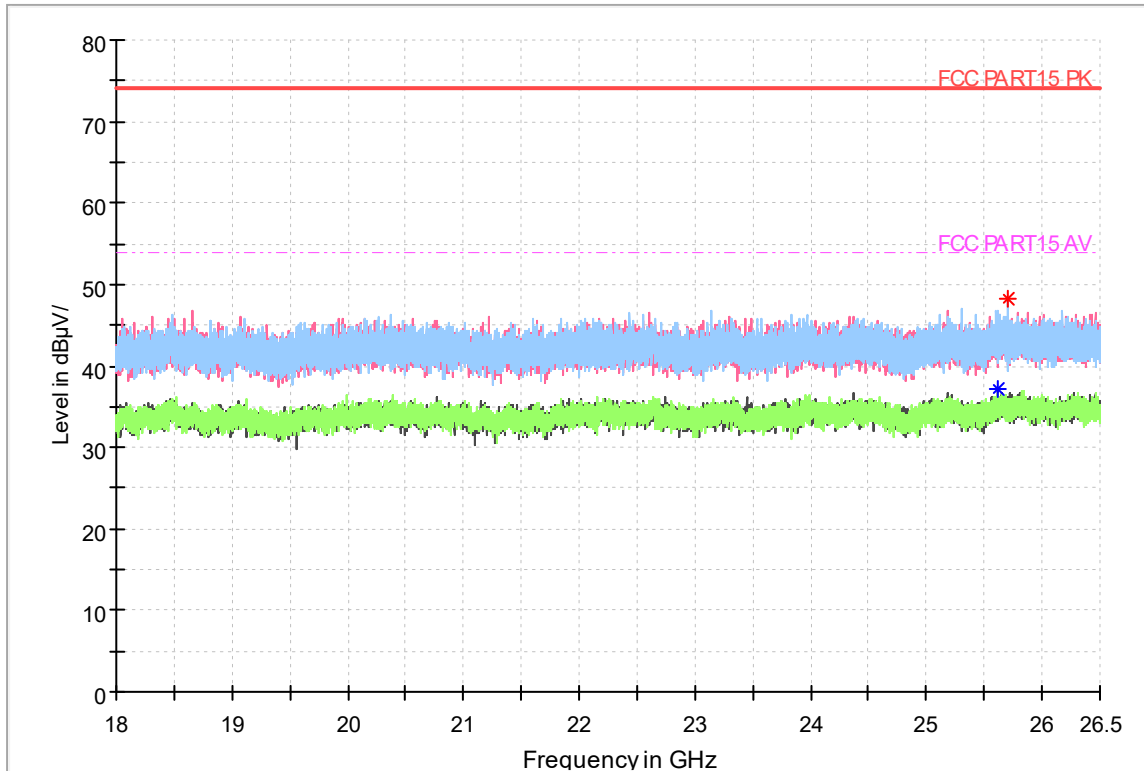
8DPSK 3DH5 CH78 3GHz-18GHz



band-edge 8DPSK 3DH5 Channel 78

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GFSK DH5 CH39 18GHz-26.5GHz

Test photo

See the document "Wifi_BT_Test Setup Photos".

6.9. Power line Conducted Emissions

Specifications:	ANSI C63.10 voltage mains test
DUT Serial Number:	M900332GYA111300009
Test conditions:	Ambient Temperature:15°C-35°C Relative Humidity:30%-60% Air pressure: 86-106kPa
Test Results:	Pass

Limit

The EUT meets the requirement of having a peak to average ratio of less than 13dB.

For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed 250 microvolt (The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz). The limits at specific frequency range are listed as follows:

Measurement Uncertainty:

Frequency Range	Uncertainty
150 kHz to 30 MHz	1.83

Limits of the conducted disturbance at the AC mains ports:

Frequency range	Limit(Quasi-peak)	Limit(Average)
0.15 MHz to 0.5 MHz	66 dB μ V – 56 dB μ V	56 dB μ V – 46 dB μ V
>0.5 MHz to 5MHz	56 dB μ V	46 dB μ V
>5 MHz to 30 MHz	60 dB μ V	50 dB μ V
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.		

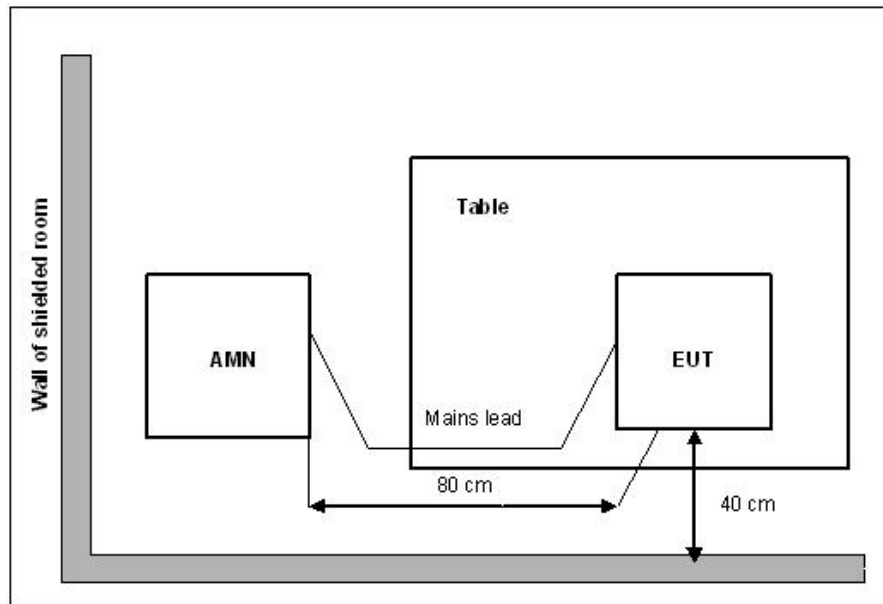
Compliance with this provision shall be based on the measurement of the radio frequency voltage between each power line (LINE and NEUTRAL) and ground at the power terminals.

Test Setup

The EUT was placed in a shielding room. The WLAN TESTER was used to set the TX channel and power level. The ac adapter output is connected to Receiver through an AMN (Artificial Mains Network).

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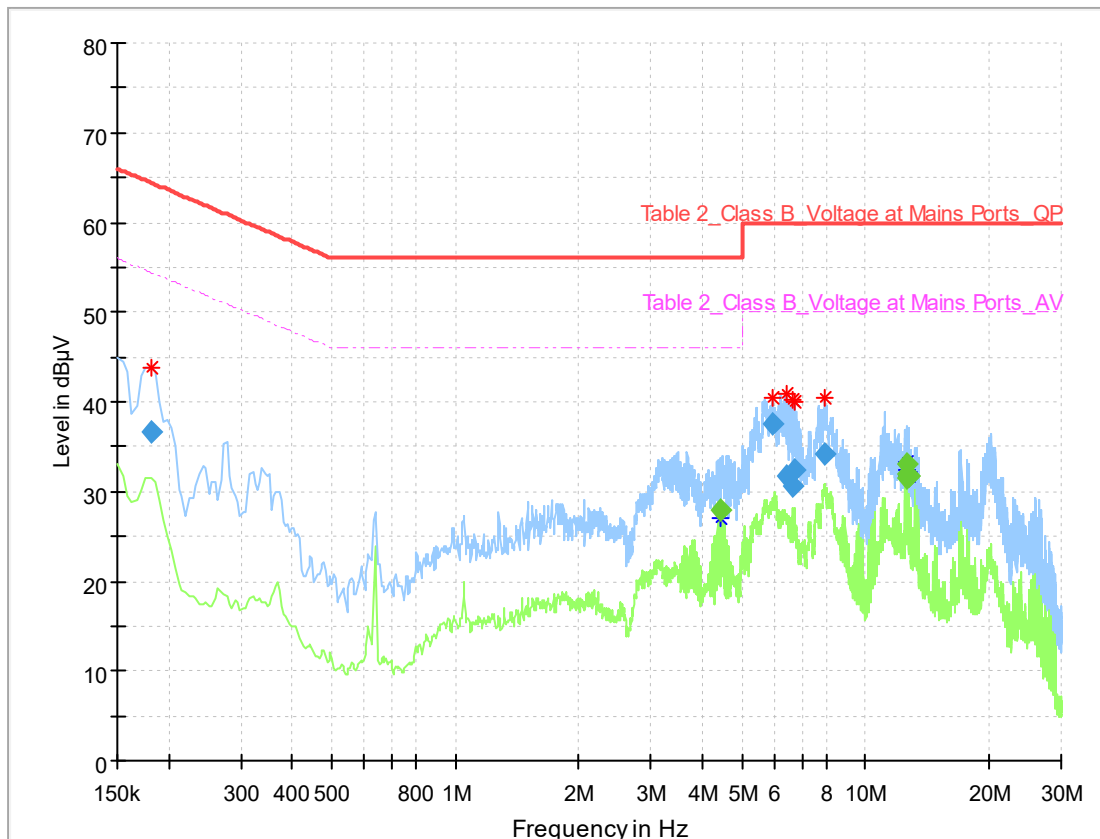
Test Procedure

1. The EUT is placed on a wooden table 80 cm above the reference ground plane.
2. The EUT is connected via LISN to a test power supply.
3. The measurement results are obtained as described below:
4. Detectors – Quasi Peak and Average Detector.

The measurement is made according to ANSI C63.10-2013.

Conclusion: PASS

Test Result:

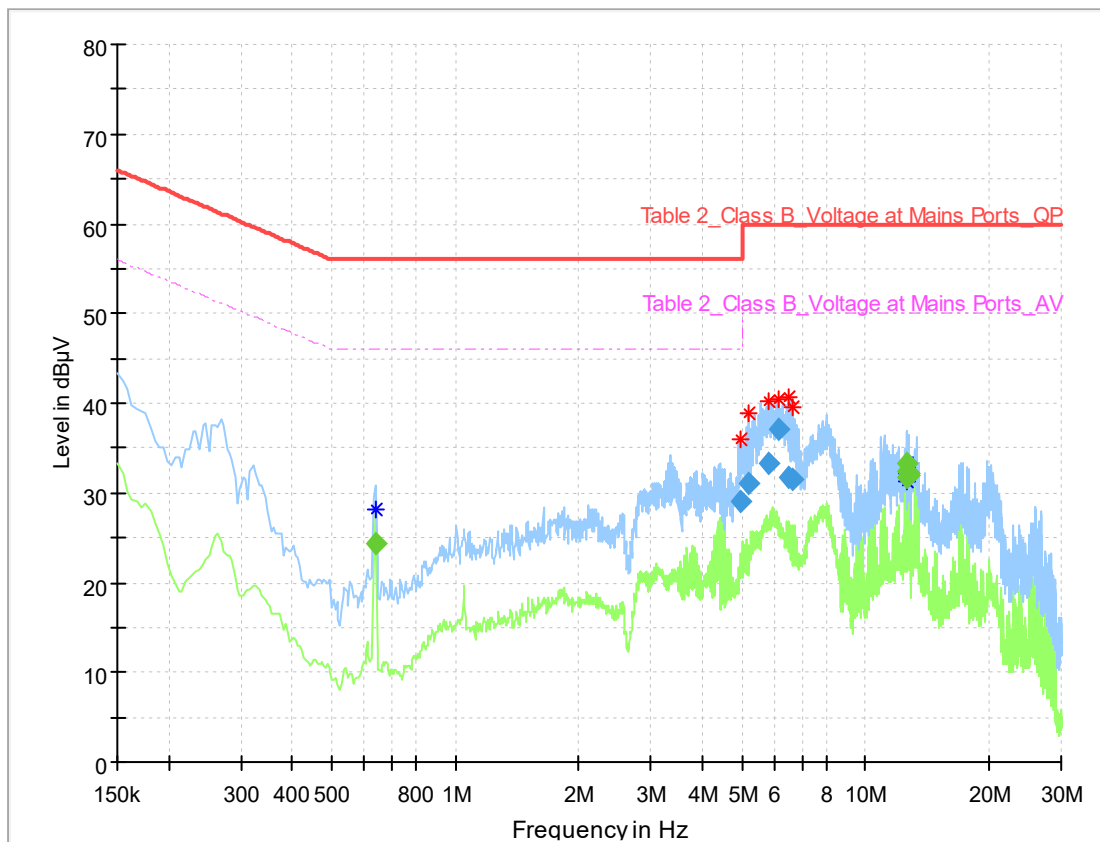


Final Result 1

Frequency (MHz)	QuasiPeak (dB μ V)	Average (dB μ V)	Limit (dB μ V)	Margin (dB)	Meas. Time	Bandwidth h	Line
0.180728	36.73	---	64.45	27.72	100.0	9.000	+
4.408015	---	28.02	46.00	17.98	100.0	9.000	+
5.922463	37.45	---	60.00	22.55	100.0	9.000	+
6.392162	31.64	---	60.00	28.36	100.0	9.000	+
6.655544	30.66	---	60.00	29.34	100.0	9.000	+
6.708221	32.34	---	60.00	27.66	100.0	9.000	+
7.985625	34.11	---	60.00	25.89	100.0	9.000	+
12.590427	---	32.00	50.00	18.00	100.0	9.000	+
12.638713	---	32.98	50.00	17.02	100.0	9.000	+
12.687000	---	31.56	50.00	18.44	100.0	9.000	+
12.726507	---	31.84	50.00	18.16	100.0	9.000	+
12.774794	---	31.81	50.00	18.19	100.0	9.000	+

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Final Result 1

Frequency (MHz)	QuasiPeak (dB μ V)	Average (dB μ V)	Limit (dB μ V)	Margin (dB)	Meas. Time	Bandwidth h	Line
0.637257	---	24.43	46.00	21.57	100.0	9.000	-
4.974287	28.97	---	56.00	27.03	100.0	9.000	-
5.184993	31.08	---	60.00	28.92	100.0	9.000	-
5.817110	33.37	---	60.00	26.63	100.0	9.000	-
6.137559	37.05	---	60.00	22.95	100.0	9.000	-
6.510684	31.63	---	60.00	28.37	100.0	9.000	-
6.616037	31.44	---	60.00	28.56	100.0	9.000	-
12.590427	---	32.34	50.00	17.66	100.0	9.000	-
12.638713	---	33.31	50.00	16.69	100.0	9.000	-
12.687000	---	31.65	50.00	18.35	100.0	9.000	-
12.726507	---	32.09	50.00	17.91	100.0	9.000	-
12.774794	---	32.03	50.00	17.97	100.0	9.000	-

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Report No.: B21W00040-BT_Rev2

Annex A EUT Photos

See the document "SNM900-External Photos".

See the document "SNM900-Internal Photos".

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ANNEX B Deviations from Prescribed Test Methods

No deviation from Prescribed Test Methods.

*****END OF REPORT*****

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