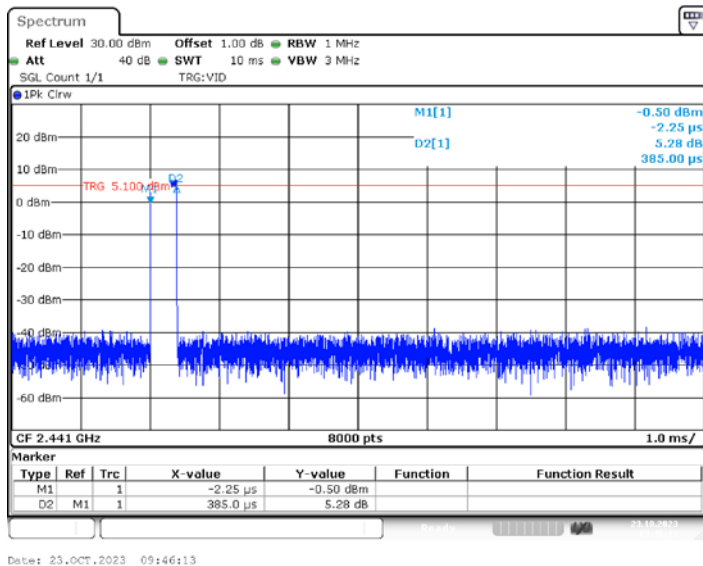
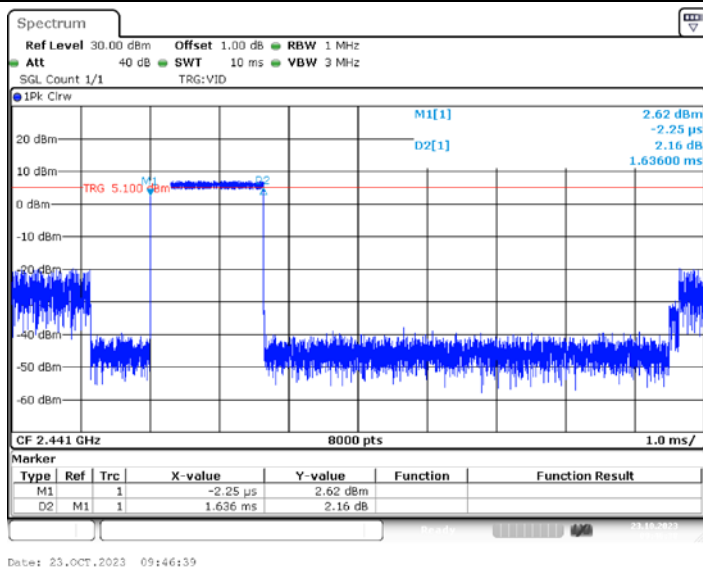
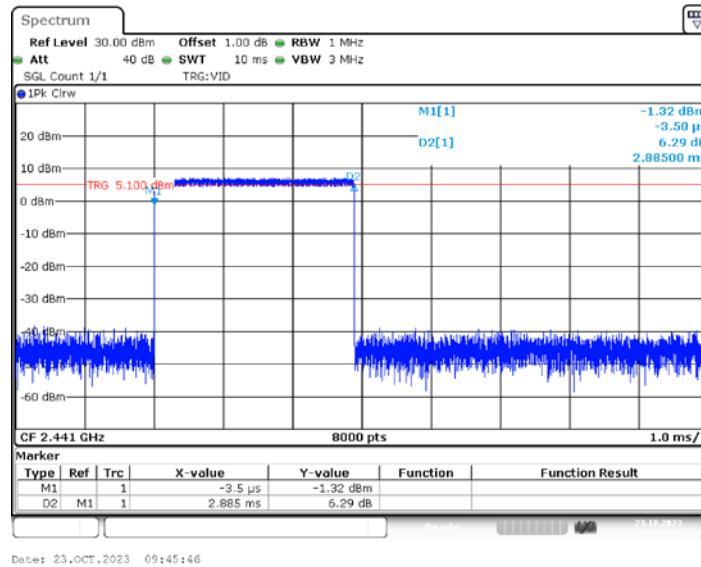
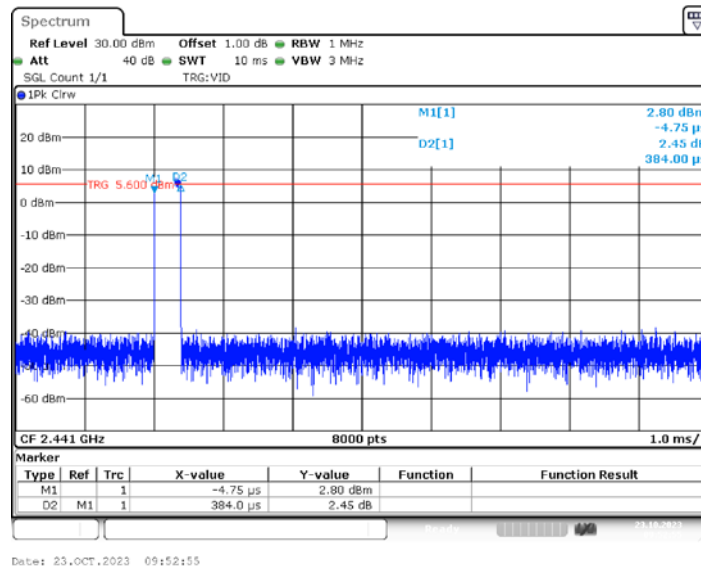


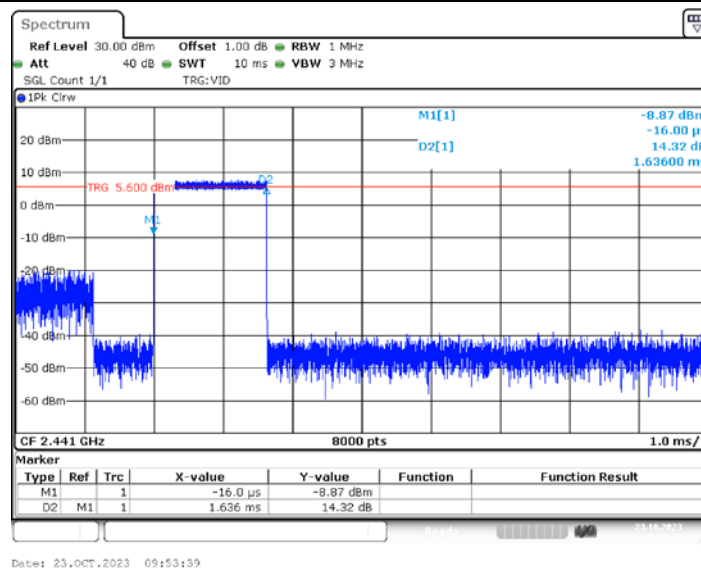
 $\pi/4$ -DQPSK_2DH1_Hop $\pi/4$ -DQPSK_2DH3_Hop $\pi/4$ -DQPSK_2DH3_Hop



8-DPSK_3DH1_Hop



8-DPSK_3DH3_Hop



8-DPSK_3DH5_Hop

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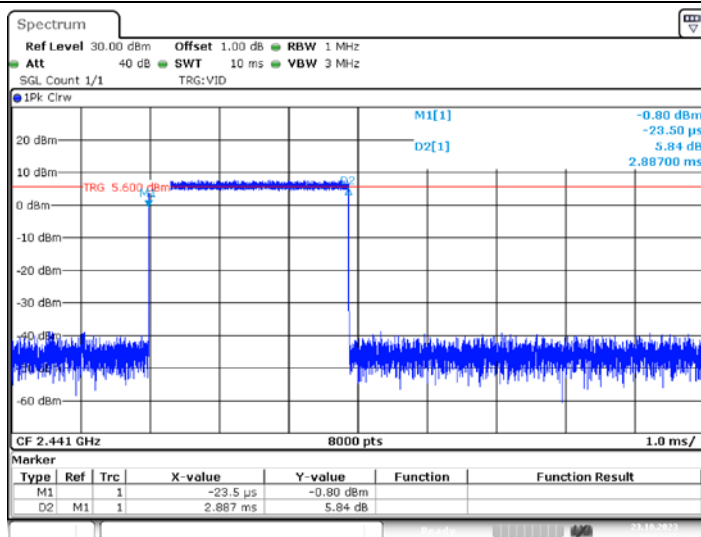
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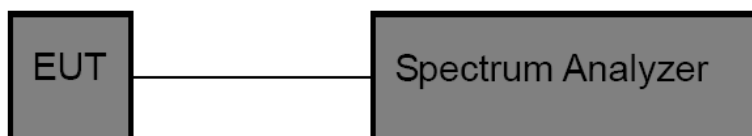
3.9. Peak Output Power

Limit

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (b)(1) / RSS-247 5.4 b:

Test Item	Limit	Frequency Range(MHz)
Maximum Conducted Peak Output Power	Hopping Channels>75 Power<1W(30dBm) Other <125mW(21dBm)	2400~2483.5
E.I.R.P	4 Watt or 36dBm	2400~2483.5

Test Configuration



Test Procedure

1. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
2. Spectrum Setting:
 - (1) Set RBW> 20DB Bandwidth.
 - (2) Set the video bandwidth (VBW) ≥ RBW.
 - (3) Detector = Peak.
 - (4) Trace mode = Max hold.
 - (5) Sweep = Auto couple.

Test Mode

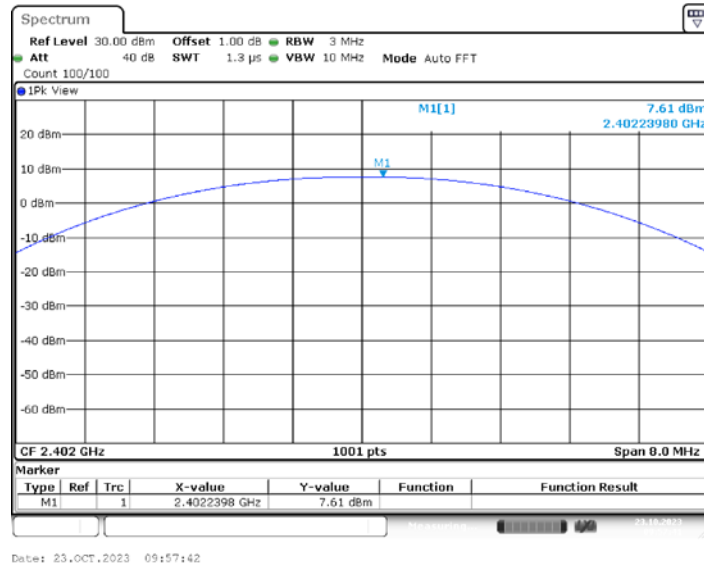
Please refer to the clause 2.4.

Test Result

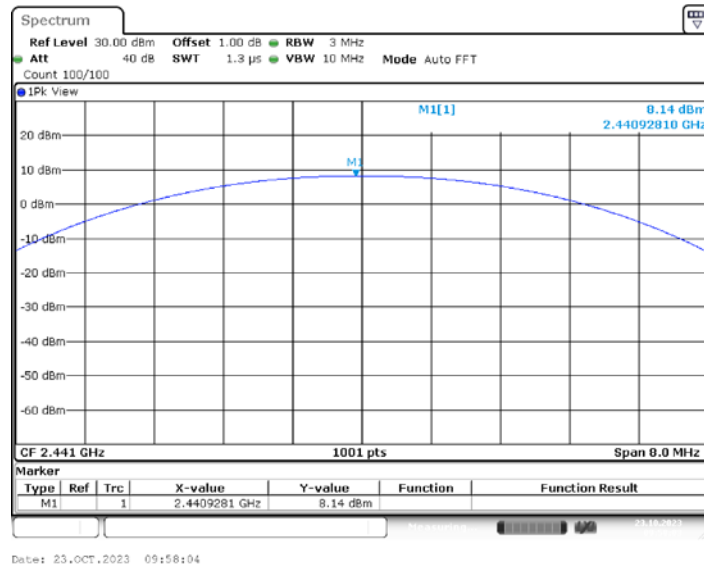
Test Mode	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
GFSK	2402	7.61	<=30	PASS
	2441	8.14	<=30	PASS
	2480	7.38	<=30	PASS
π/4-DQPSK	2402	6.88	<=30	PASS
	2441	7.50	<=30	PASS
	2480	6.62	<=30	PASS
8-DPSK	2402	7.16	<=30	PASS
	2441	7.60	<=30	PASS
	2480	6.86	<=30	PASS



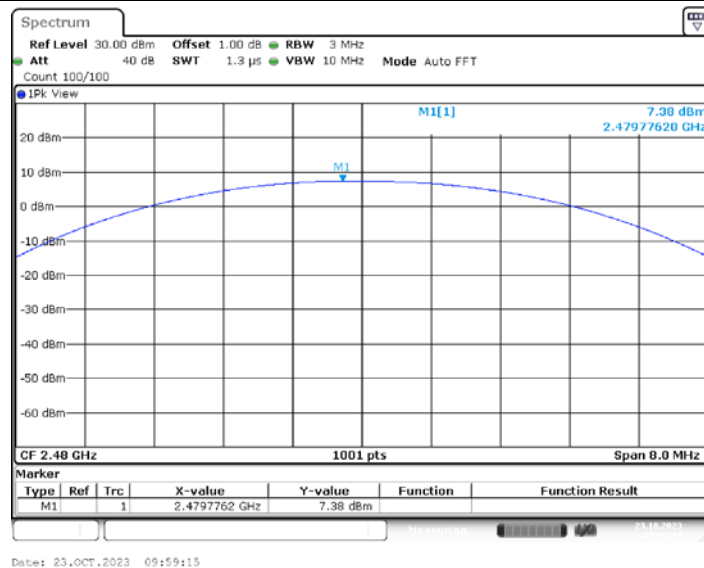
GFSK_2402



GFSK_2441



GFSK_2480



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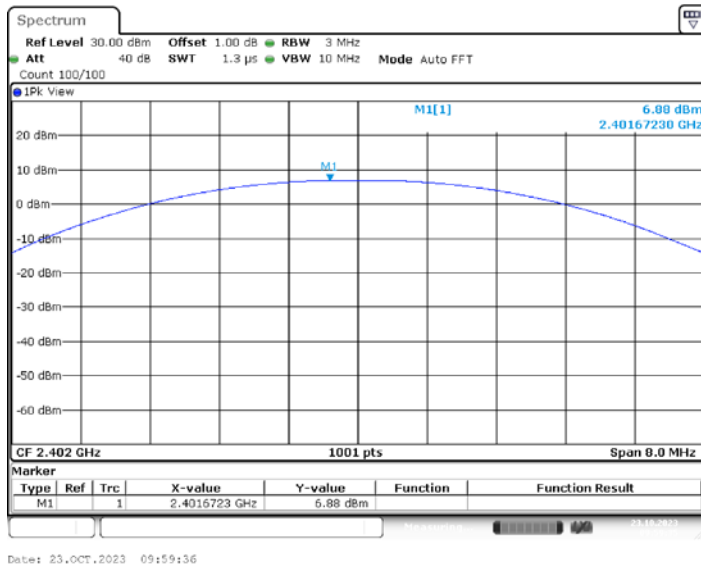
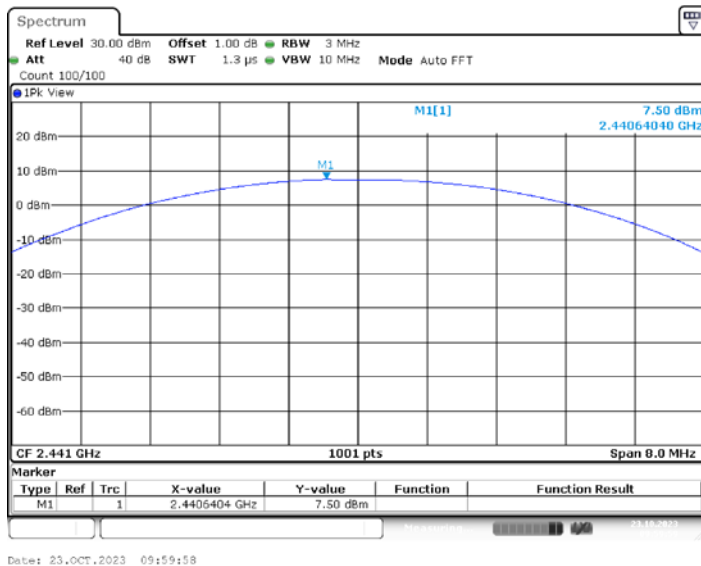
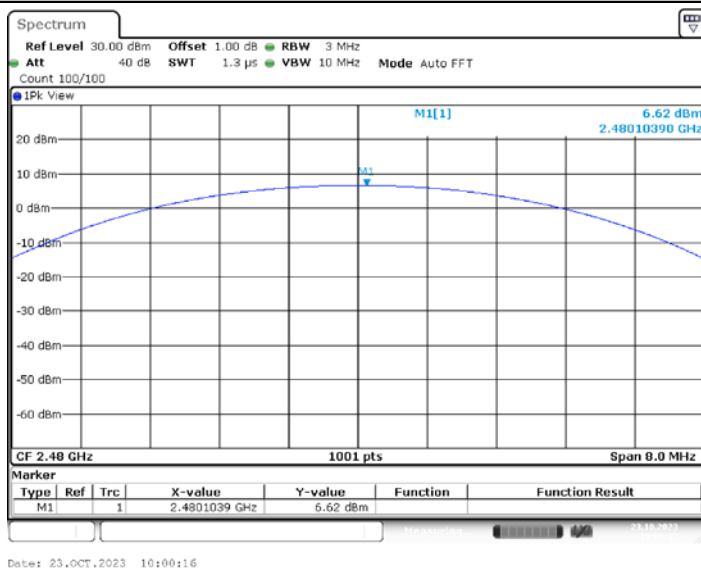
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 $\pi/4$ -DQPSK_2402 $\pi/4$ -DQPSK_2441 $\pi/4$ -DQPSK_2480

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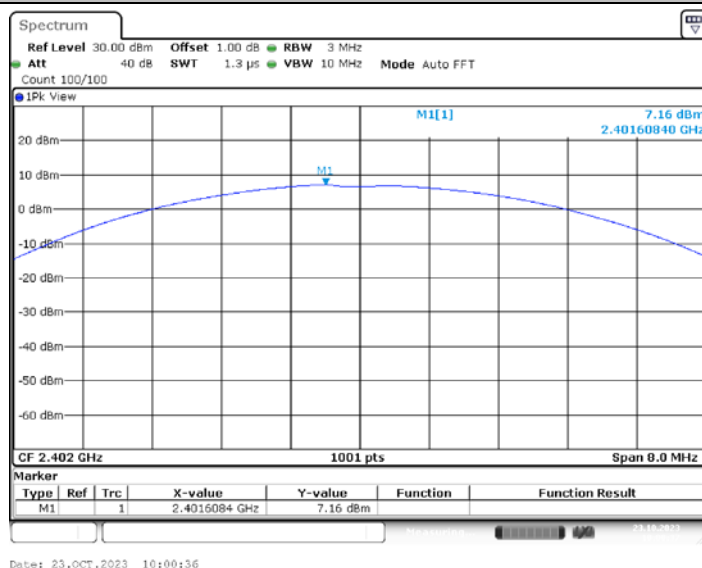
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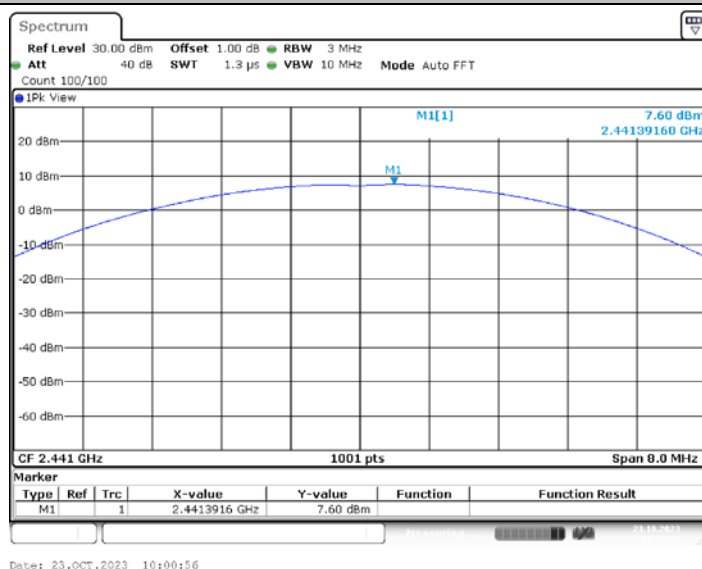
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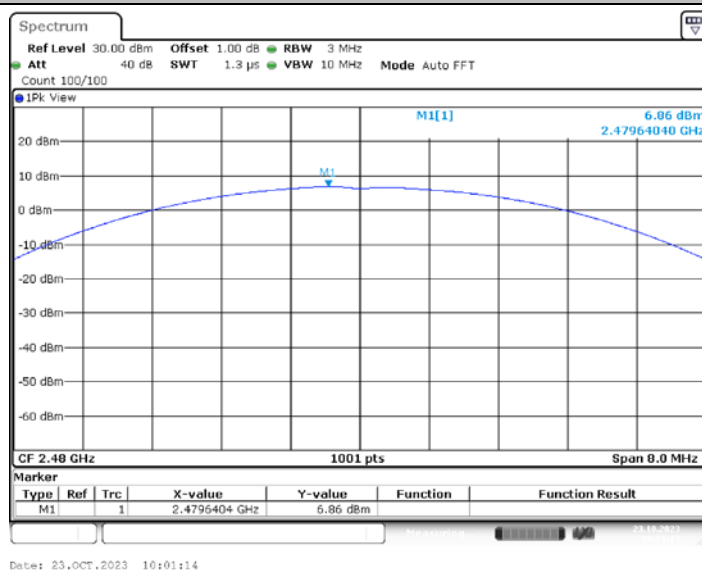
8-DPSK_2402



8-DPSK_2441



8-DPSK_2480



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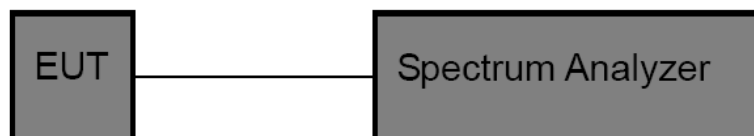


3.10. Duty Cycle

Limit

None, for report purposes only.

Test Configuration



Test Procedure

1. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
2. The EUT was directly connected to the Spectrum Analyzer and antenna output port as show in the block diagram above. The measurement according to section 10.2 of KDB 558074 D01 DTS Meas Guidance v05r02.
3. Spectrum Setting:
Set analyzer center frequency to test channel center frequency.
Set the span to 0Hz
Set the RBW to 10MHz
Set the VBW to 10MHz
Detector: Peak
Sweep time: Auto
Allow trace to fully stabilize. Then use the peak marker function to determine the maximum amplitude level.

Test Mode

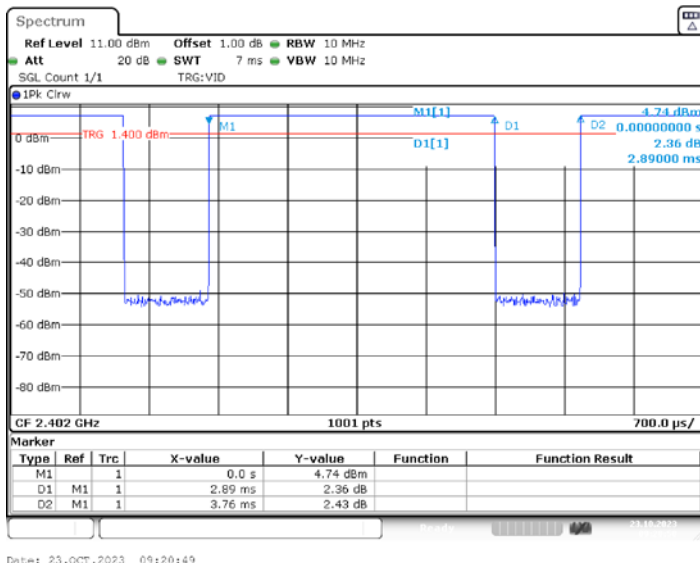
Please refer to the clause 2.4.

Test Result

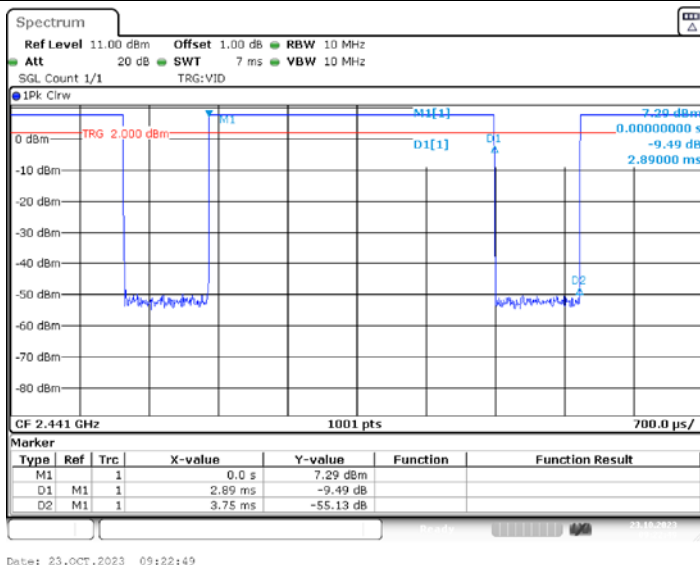
Test Mode	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
GFSK	2402	2.89	3.76	76.86	0.346	1
	2441	2.89	3.75	77.07	0.346	1
	2480	2.89	3.75	77.07	0.346	1
$\pi/4$ -DQPSK	2402	2.89	3.75	77.07	0.346	1
	2441	2.89	3.75	77.07	0.346	1
	2480	2.89	3.76	76.86	0.346	1
8-DPSK	2402	2.89	3.75	77.07	0.346	1
	2441	2.90	3.76	77.13	0.345	1
	2480	2.89	3.76	76.86	0.346	1



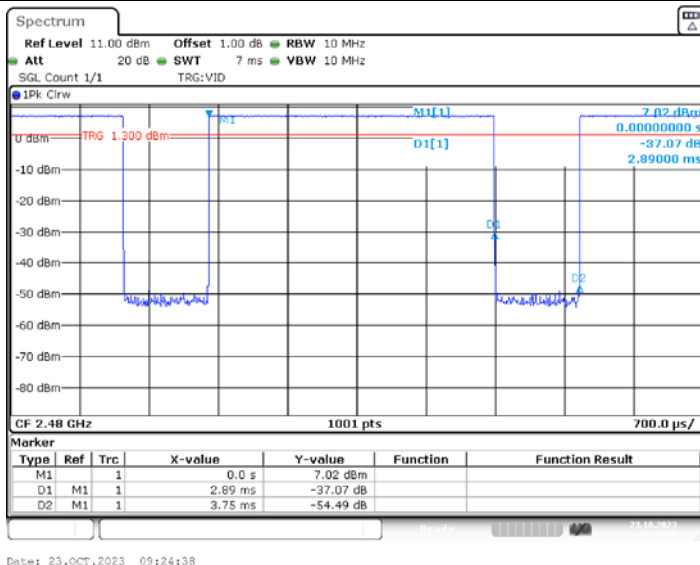
GFSK_2402



GFSK_2441



GFSK_2480



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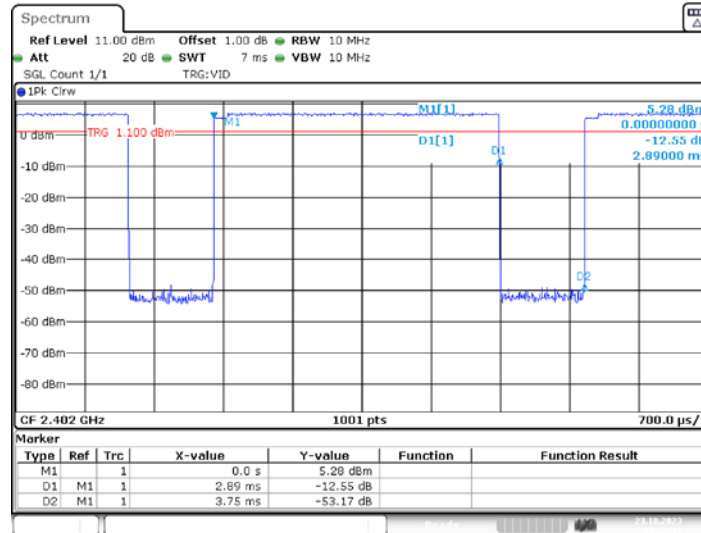
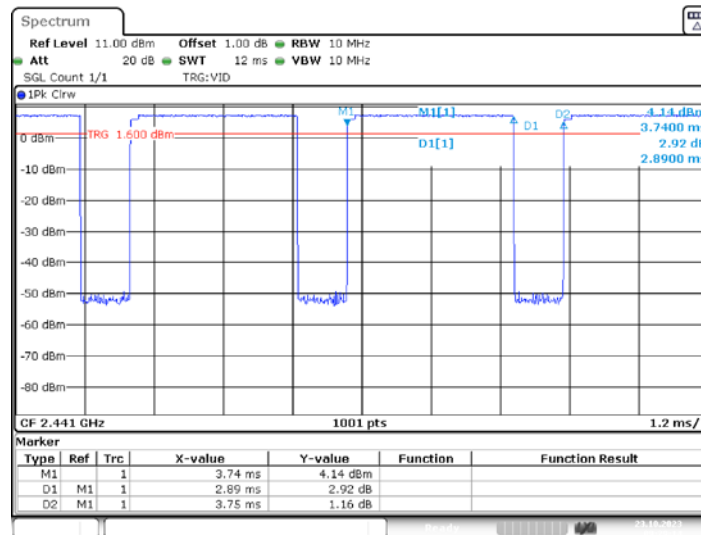
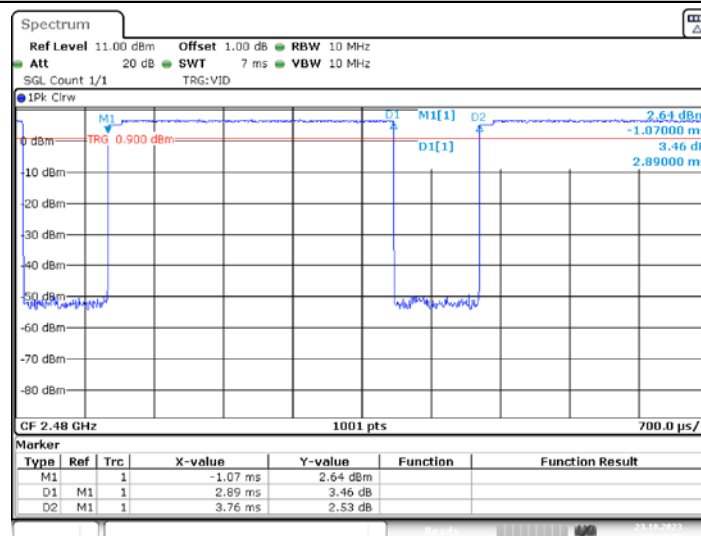
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 $\pi/4$ -DQPSK_2402 $\pi/4$ -DQPSK_2441 $\pi/4$ -DQPSK_2480

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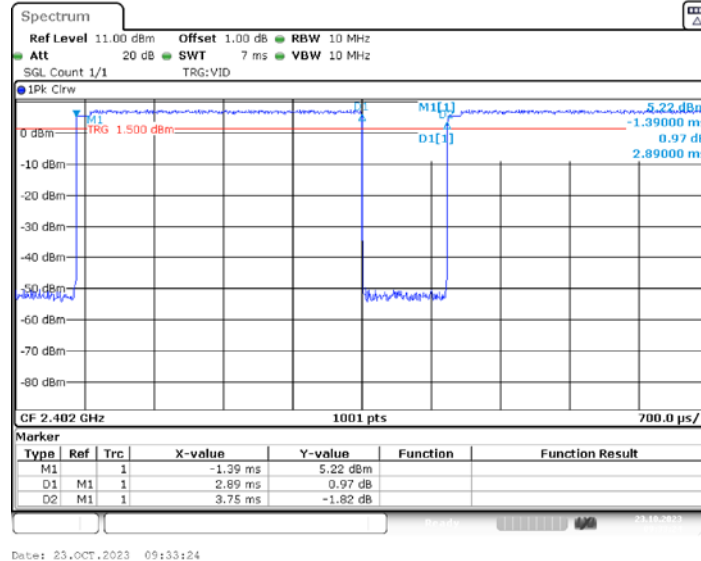
Fax: (86)755-27521011

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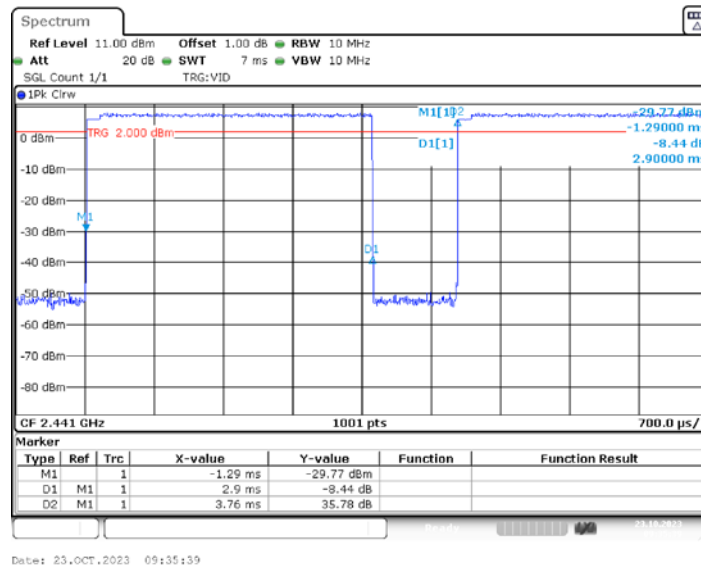
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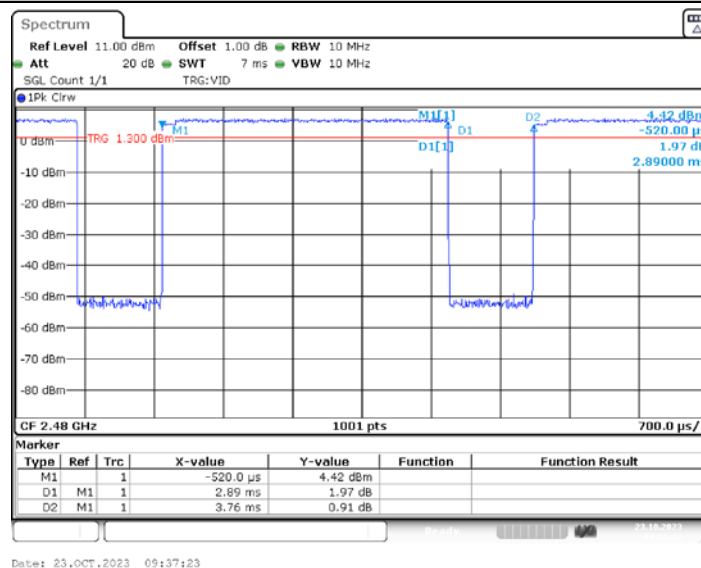
8-DPSK_2402



8-DPSK_2441



8-DPSK_2480



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3.11. Antenna requirement

Requirement

FCC CFR Title 47 Part 15 Subpart C Section 15.203:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

FCC CFR Title 47 Part 15 Subpart C Section 15.247(c) (1)(i):

(i) Systems operating in the 2400~2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

Test Result

The directional gain of the antenna less than 6dBi, please refer to the EUT internal photographs antenna photo.

*****THE END*****