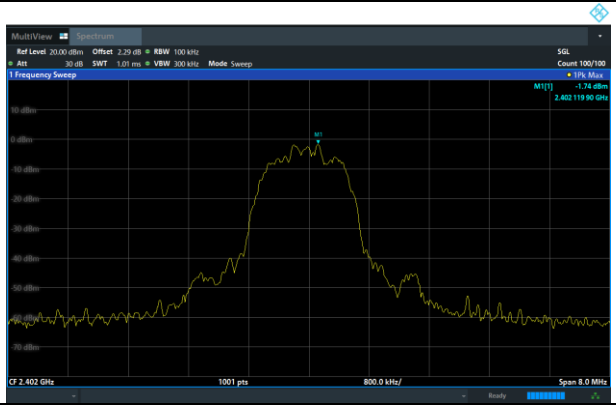
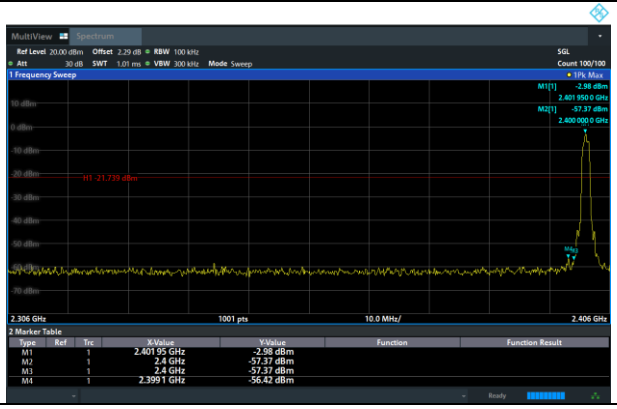
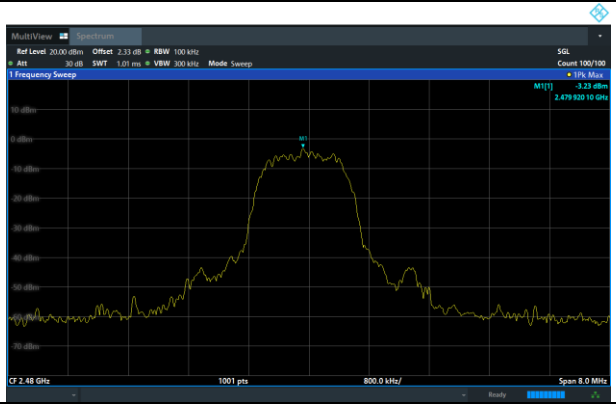
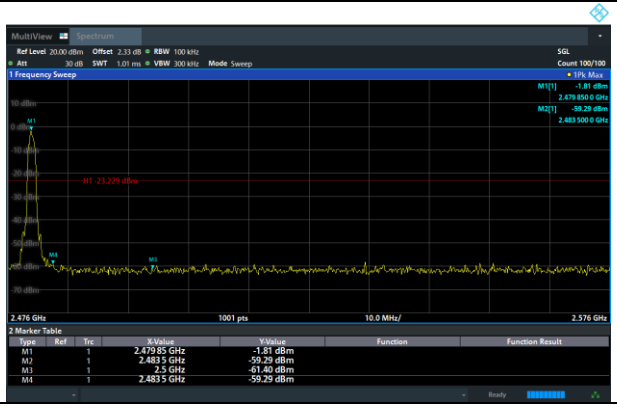
8DPSK: Band Edge, Left Side





8DPSK: Band Edge, Right Side

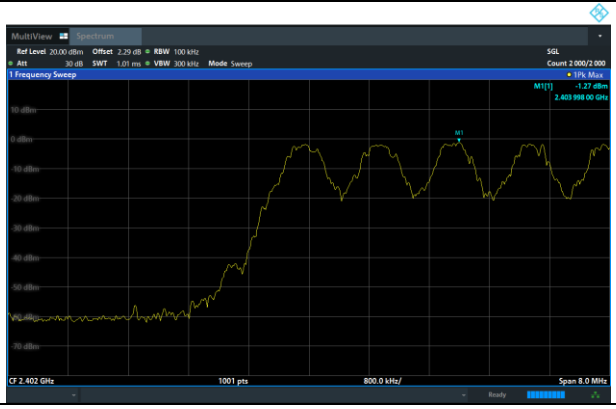


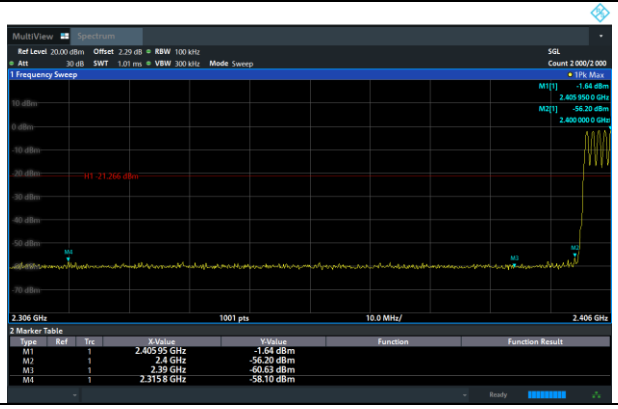


Hopping Mode

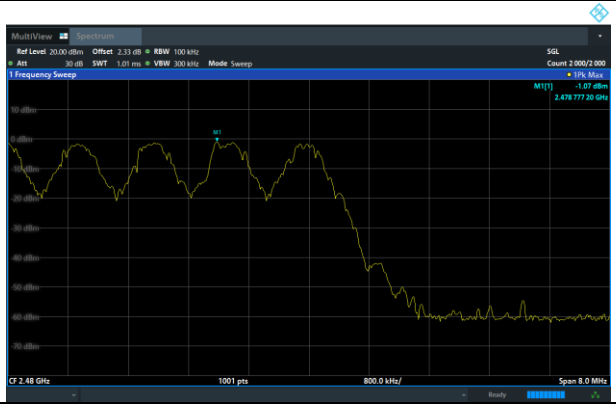
Test plots

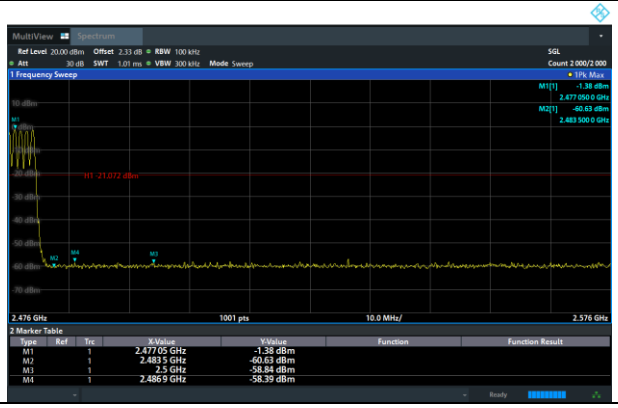
GFSK: Band Edge, Left Side



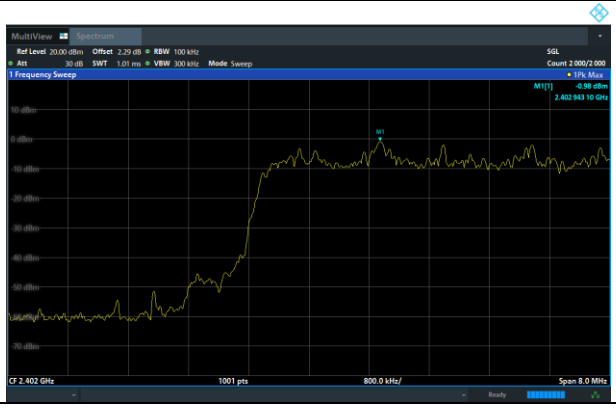


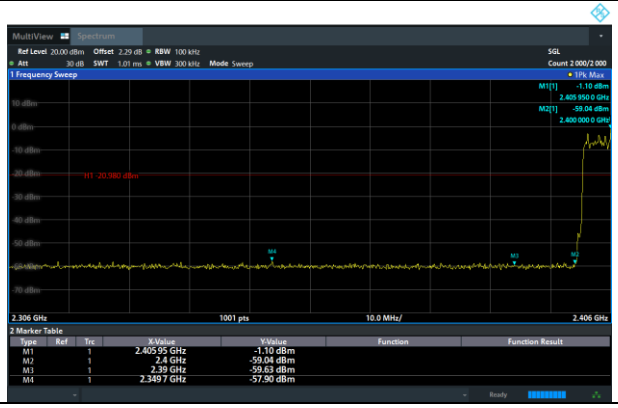
GFSK: Band Edge, Right Side



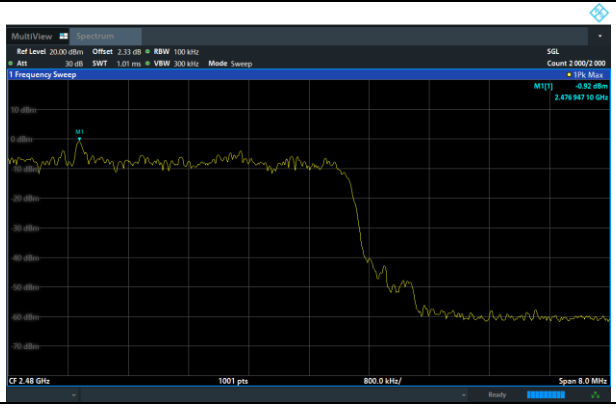


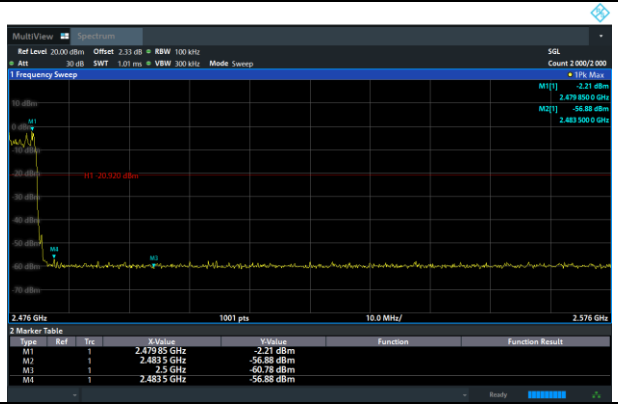
π/4-DQPSK: Band Edge, Left Side



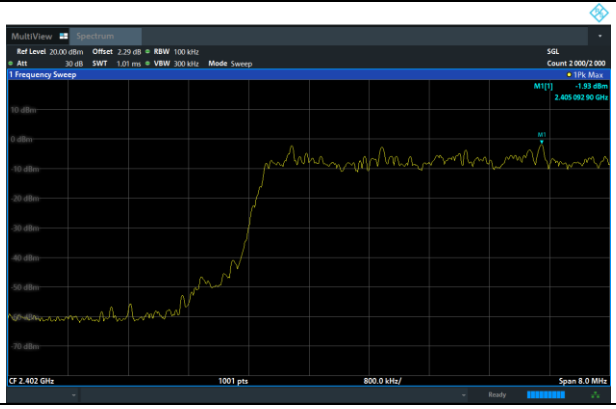


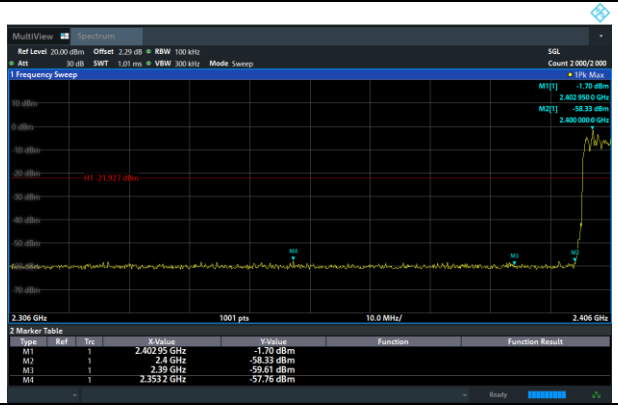
π/4-DQPSK: Band Edge, Right Side



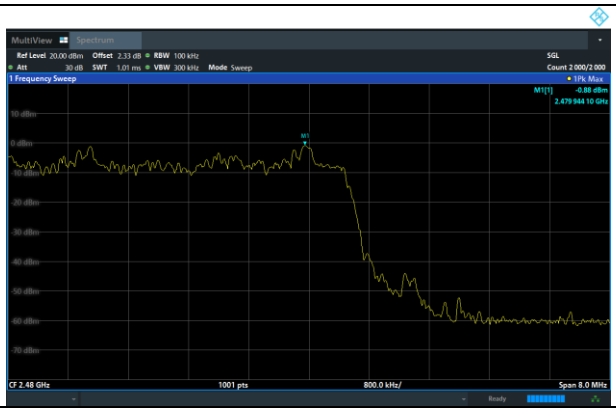


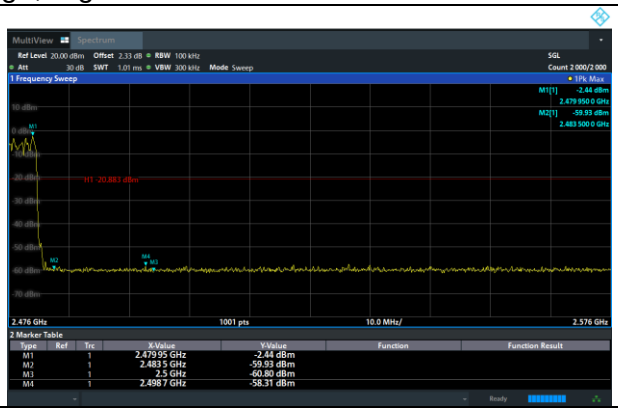
8DPSK: Band Edge, Left Side





8DPSK: Band Edge, Right Side





5.10 Spurious RF Conducted Emissions

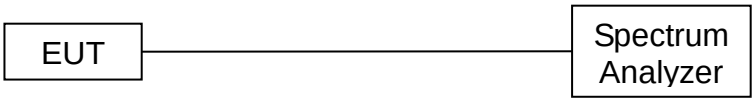
5.10.1 Limit

Below -20dB of the highest emission level in operating band.

5.10.2 Test Procedure

The Spurious RF conducted emissions compliance of RF radiated emission should be measured by following the guidance in ANSI C63.10-2020 with respect to maximizing the emission by rotating the EUT, measuring the emission while the EUT is situated in three orthogonal planes (if appropriate), adjusting the measurement antenna height and polarization etc. Set RBW=100kHz and VBW= 300kHz to measure the peak field strength, and measure frequency range from 9kHz to 26.5GHz.

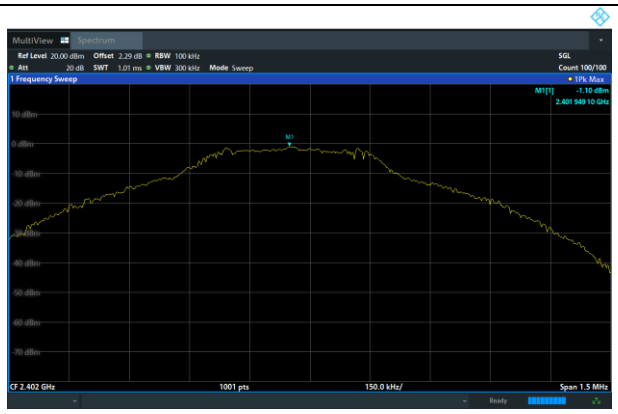
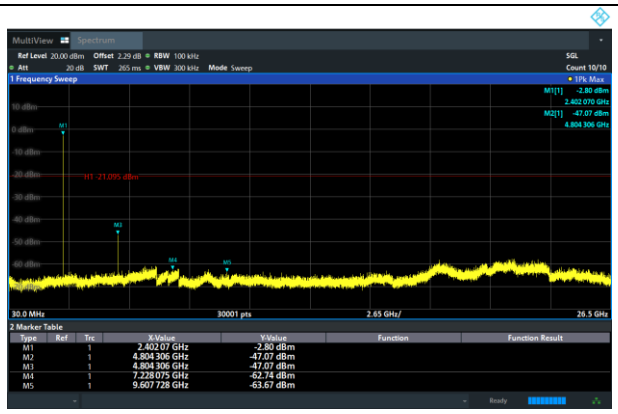
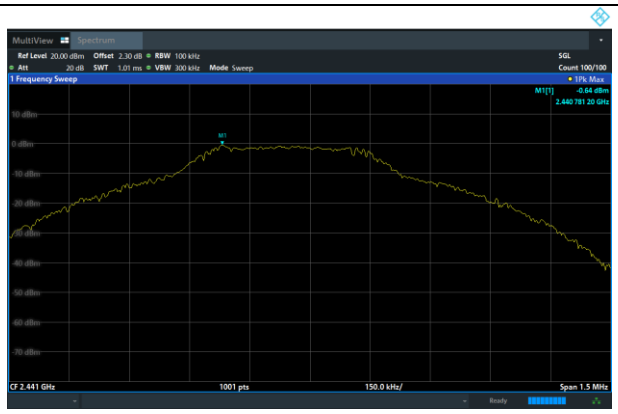
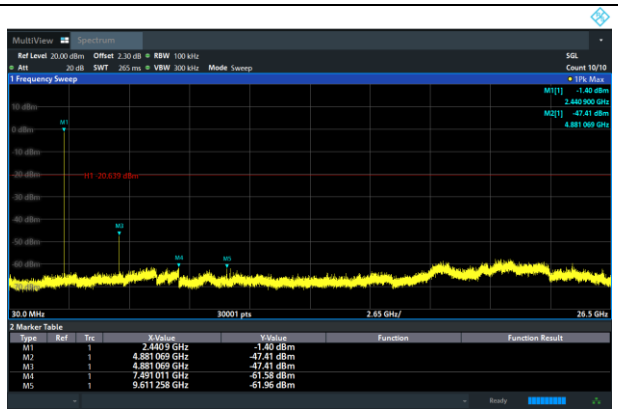
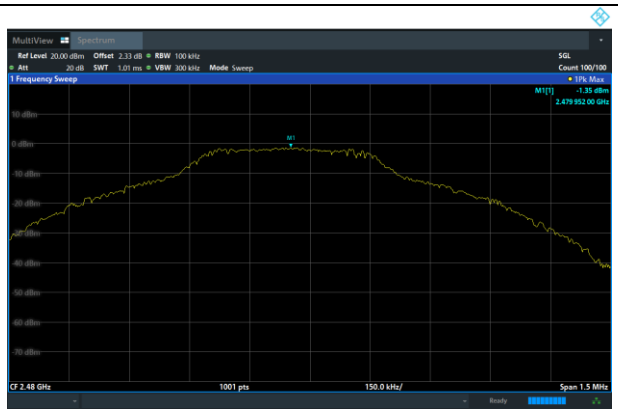
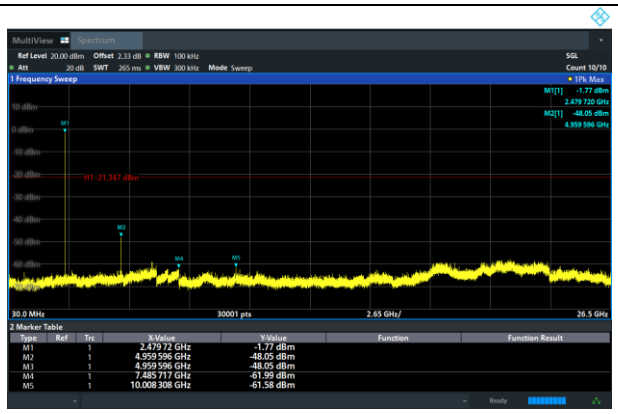
5.10.3 Test Setup



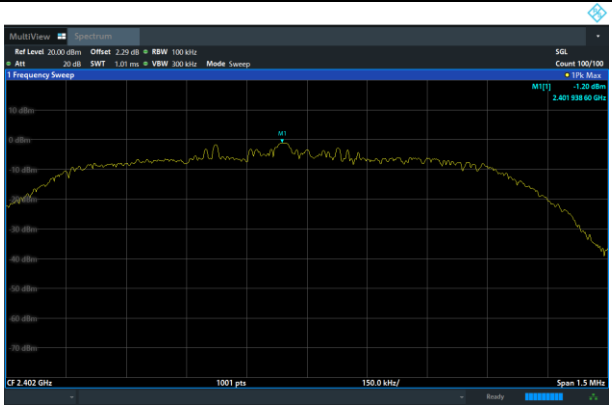
5.10.4 Test Results

Note:

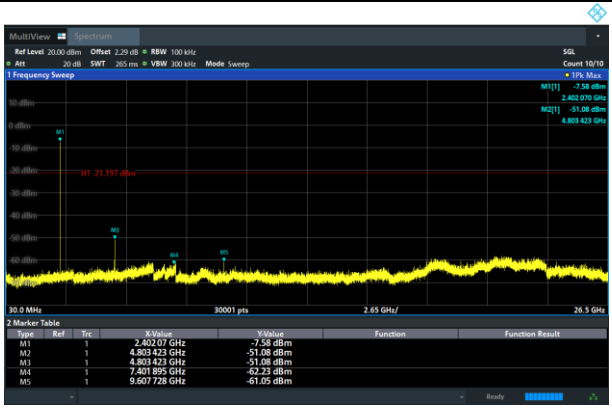
1: The measurement frequency range is from 9kHz to the 10th harmonic of the fundamental frequency. The lowest, middle and highest channels are tested to verify the spurious emissions and band edge measurement data.

GFSK on Channel 00	GFSK on Channel 00
	
GFSK on Channel 39	**GFSK on Channel 39**
	
GFSK on Channel 78	**GFSK on Channel 78**
	

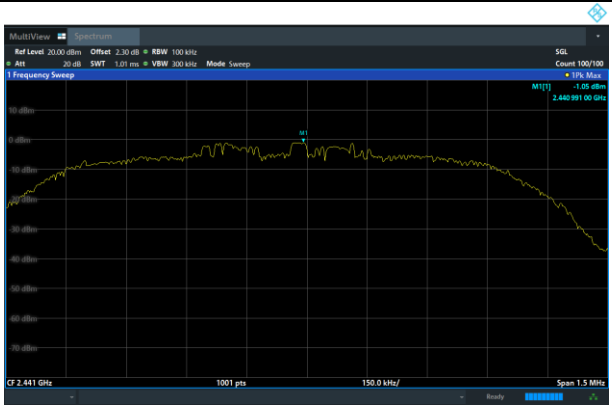
π/4-DQPSK on Channel 00



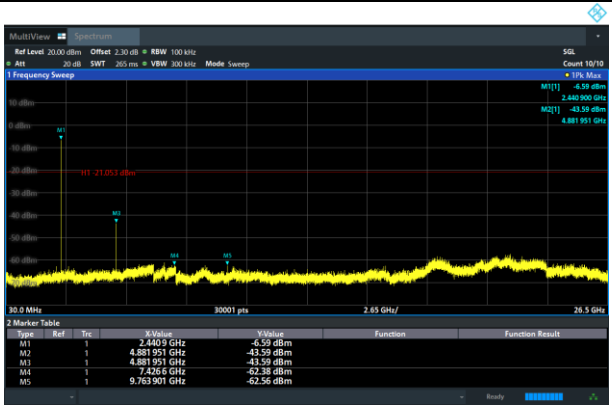
π/4-DQPSK on Channel 00



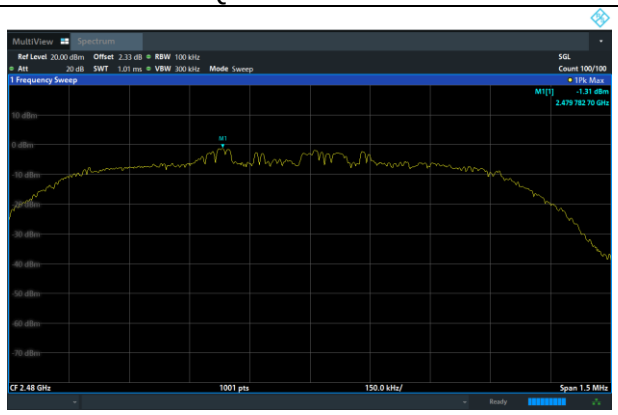
π/4-DQPSK on Channel 39



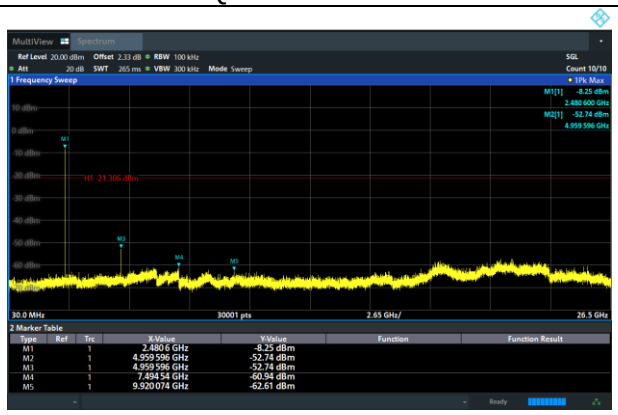
π/4-DQPSK on Channel 39

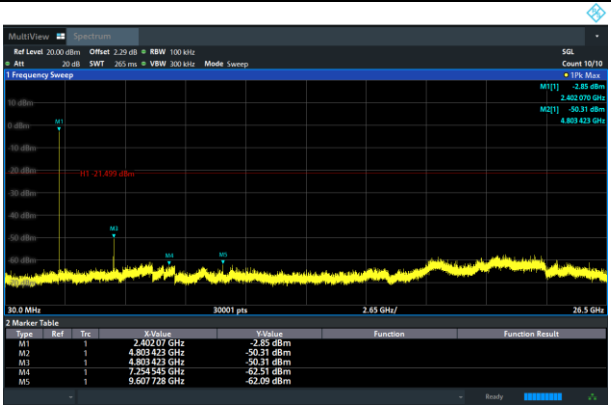
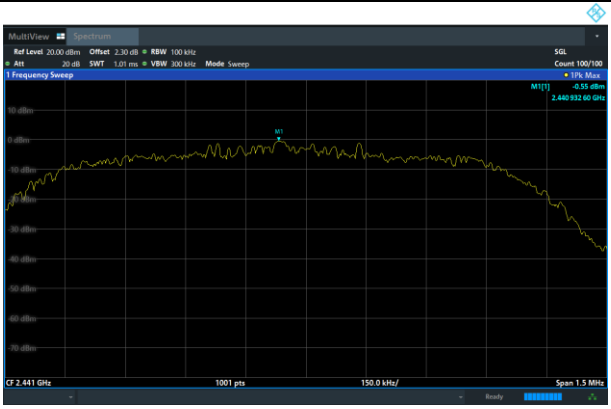
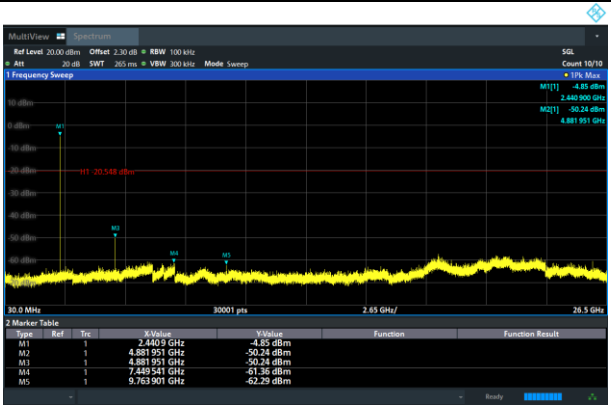
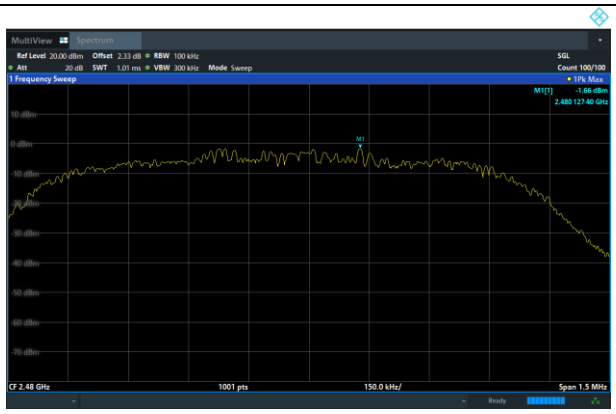
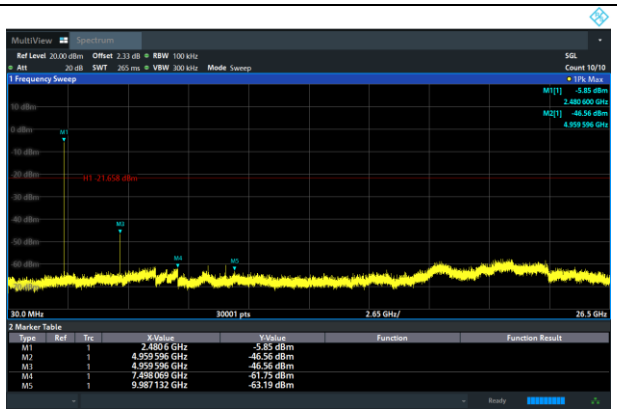


π/4-DQPSK on Channel 78

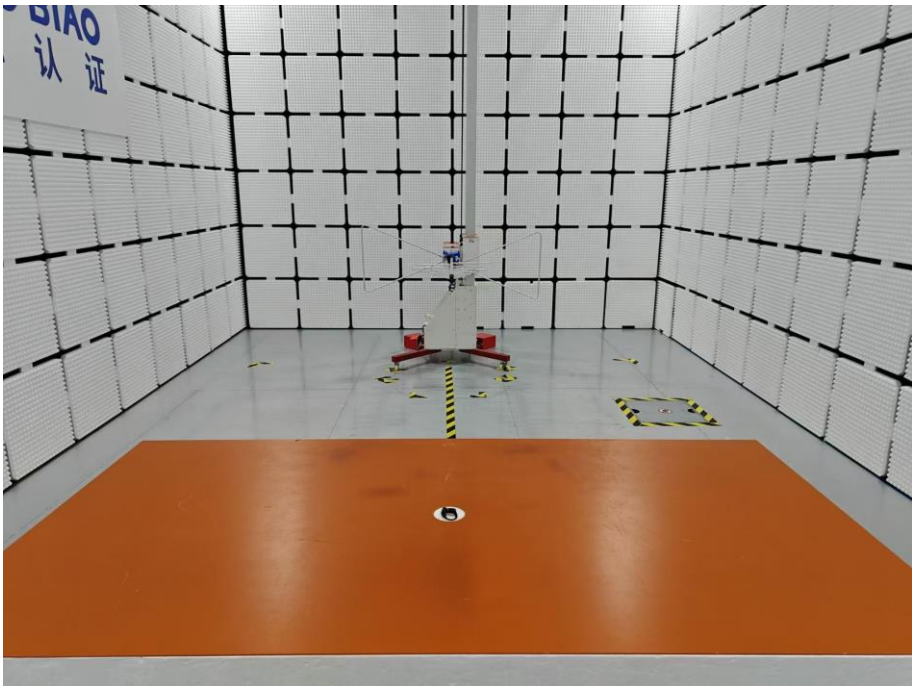


π/4-DQPSK on Channel 78



8DPSK on Channel 00	8DPSK on Channel 00
	
8DPSK on Channel 39	**8DPSK on Channel 39**
	
8DPSK on Channel 78	**8DPSK on Channel 78**
	

6 Photographs of the Test Setup

Radiated Emission Below 1GHz

Radiated Emission Above 1GHz

7 Photographs of the EUT

Photo 1
Photo 2

Photo 3
Photo 4

Photo 5

Photo 6

Photo 7
Photo 8

Photo 9

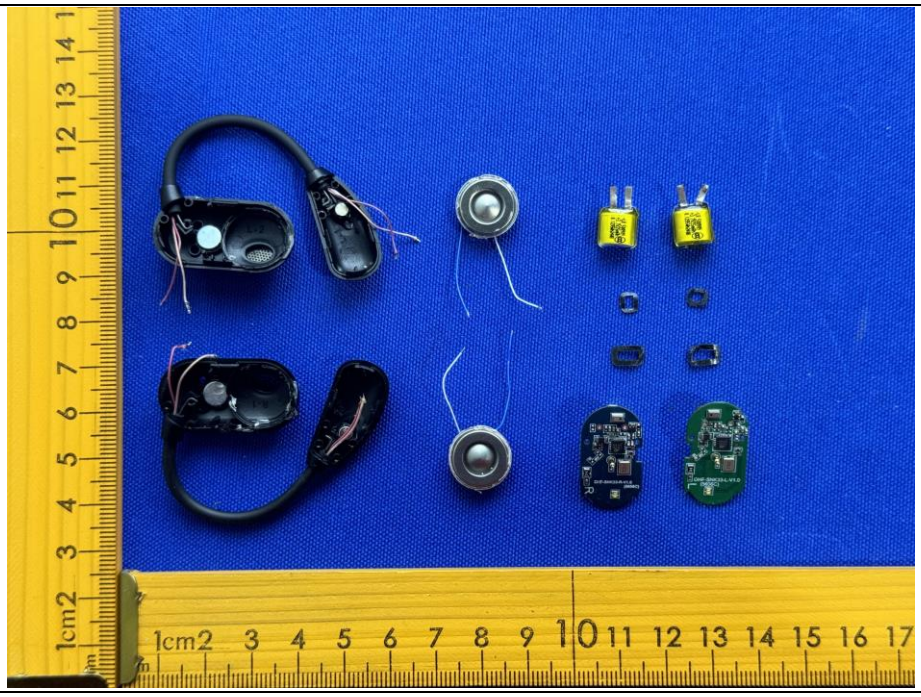


Photo 10

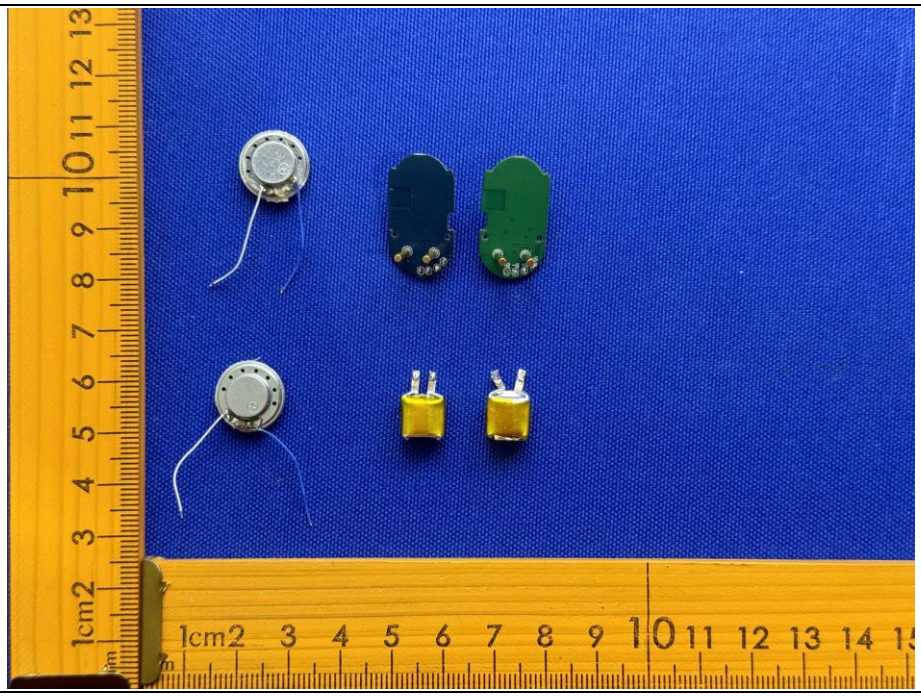


Photo 11

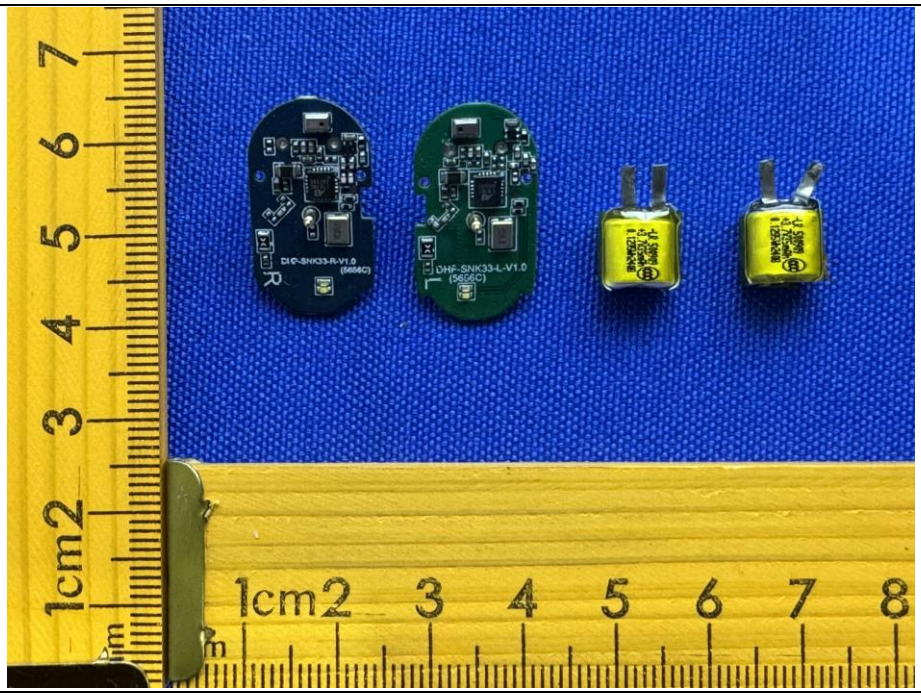


Photo 12

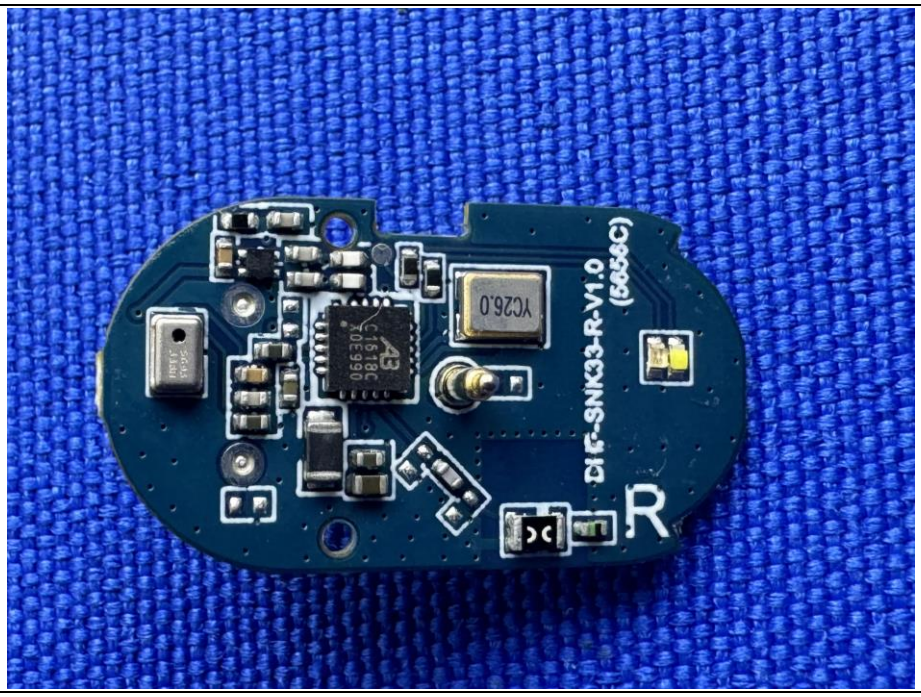
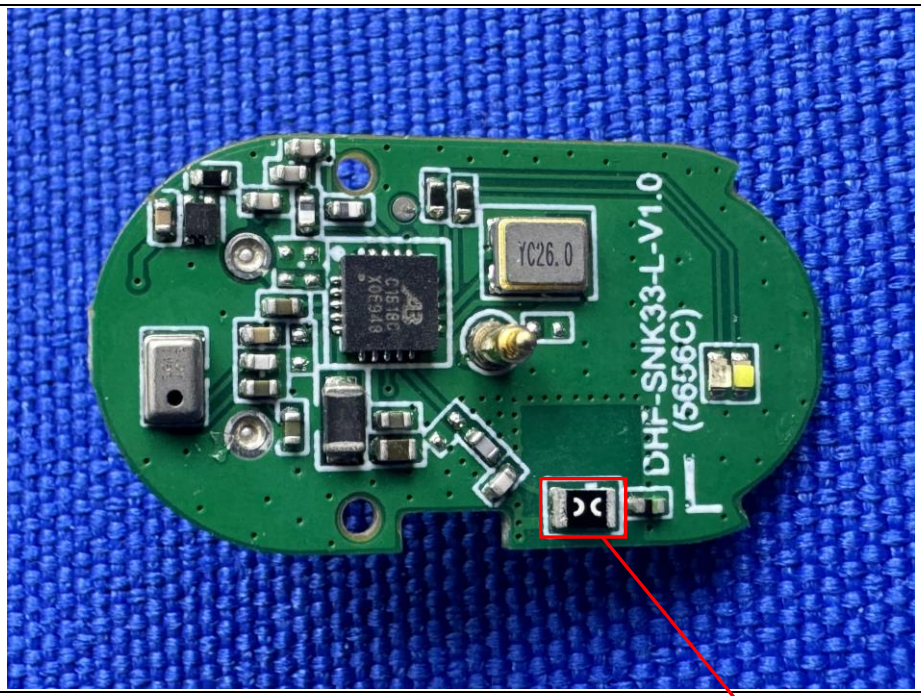


Photo 13



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