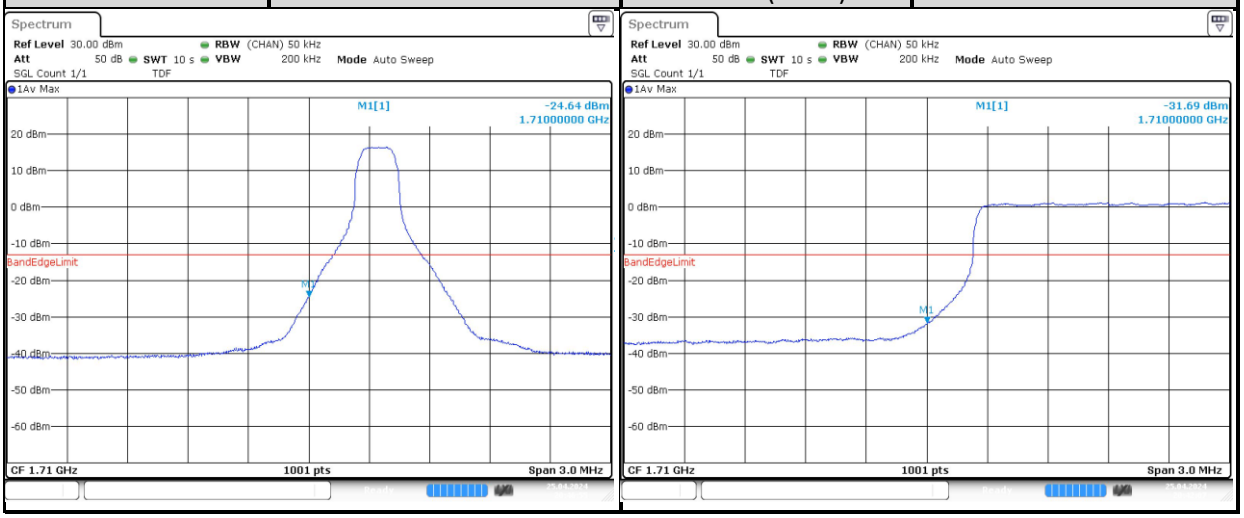
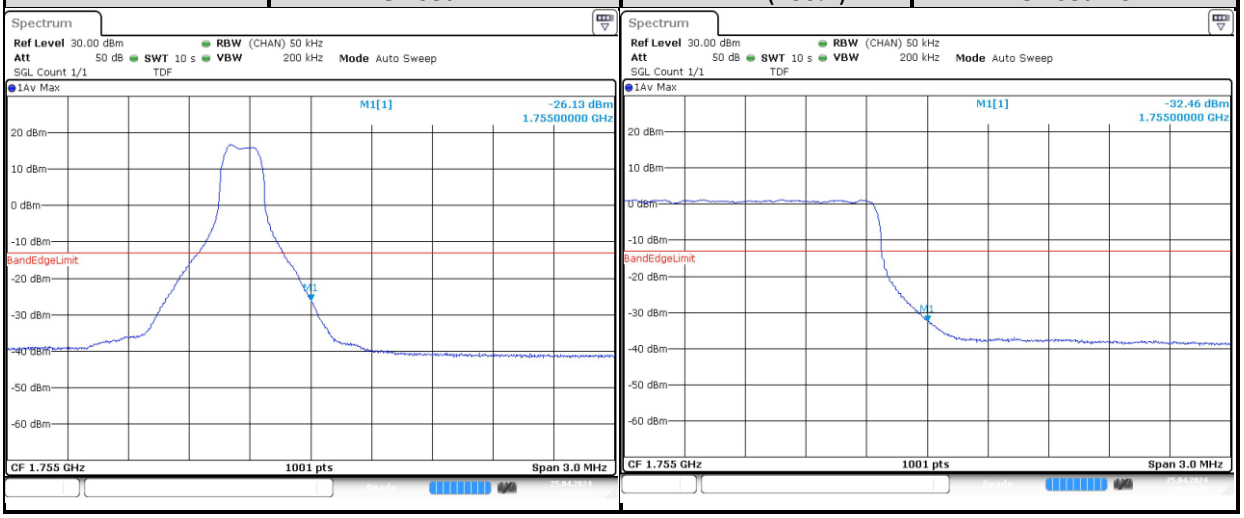
5MHz

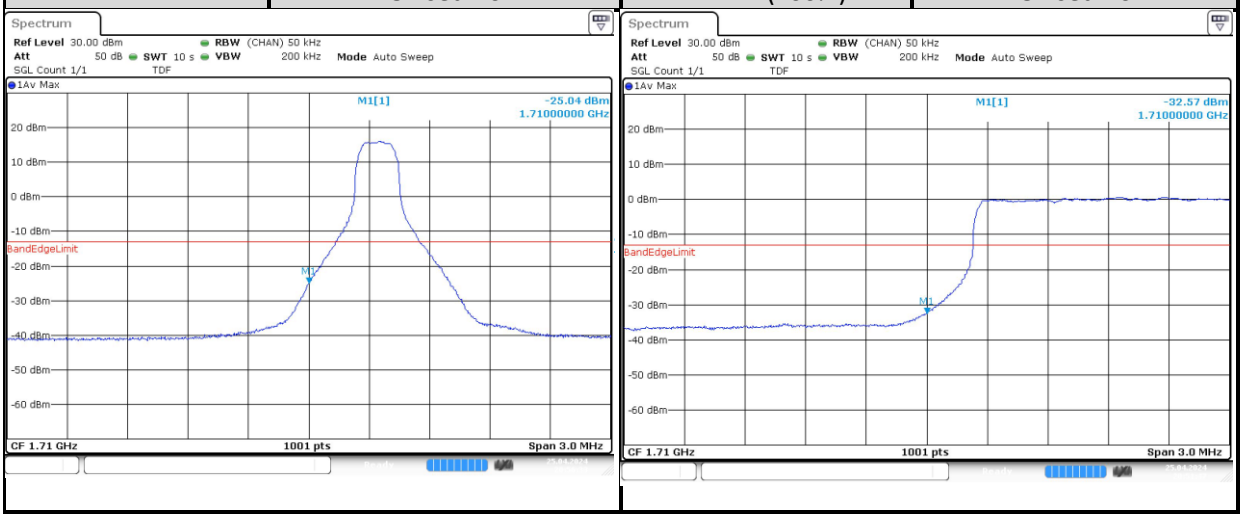
Band 4, 5MHz QPSK, Low CH 19975			
RB = 1	Offset = 0	RB = X (100%)	Offset = 0



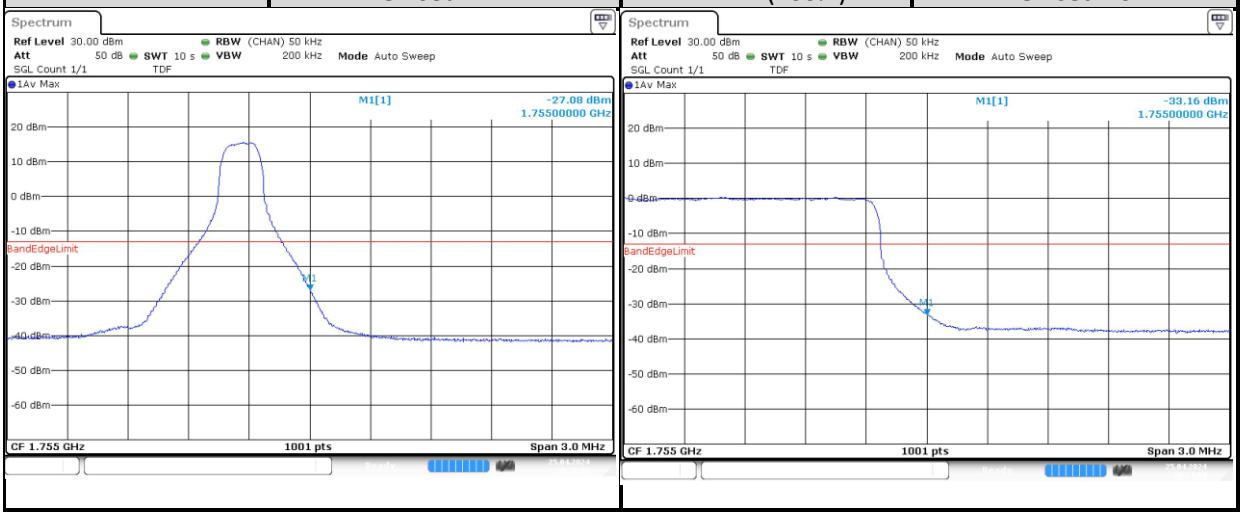
Band 4, 5MHz QPSK, High CH 20375			
RB = 1	Offset =X-1	RB = X (100%)	Offset = 0



Band 4, 5MHz 16-QAM, Low CH 19975			
RB = 1	Offset = 0	RB = X (100%)	Offset = 0

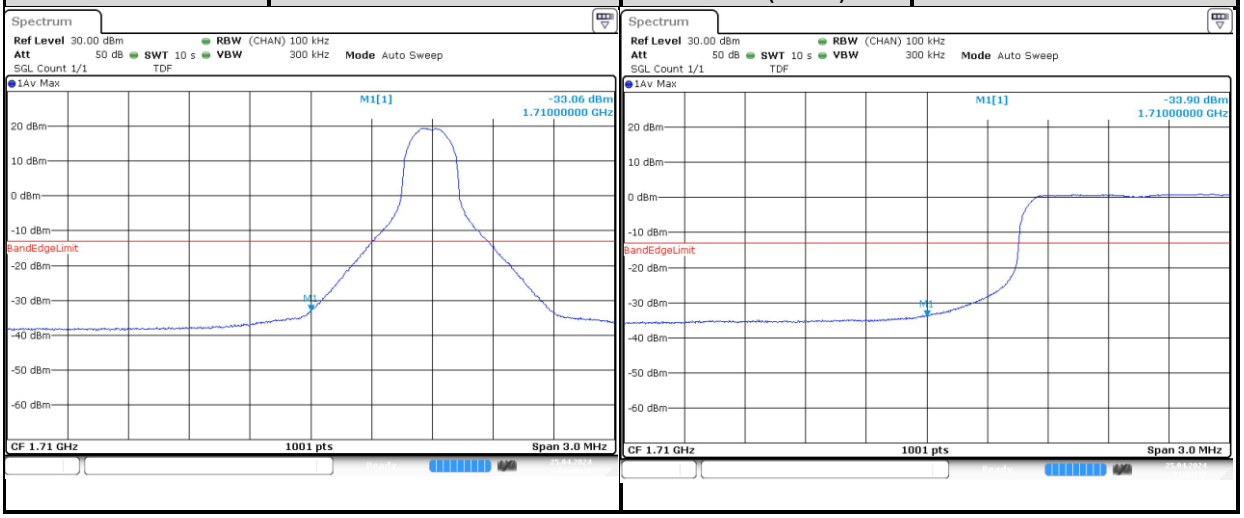


Band 4, 5MHz 16-QAM, High CH 20375			
RB = 1	Offset =X-1	RB = X (100%)	Offset = 0

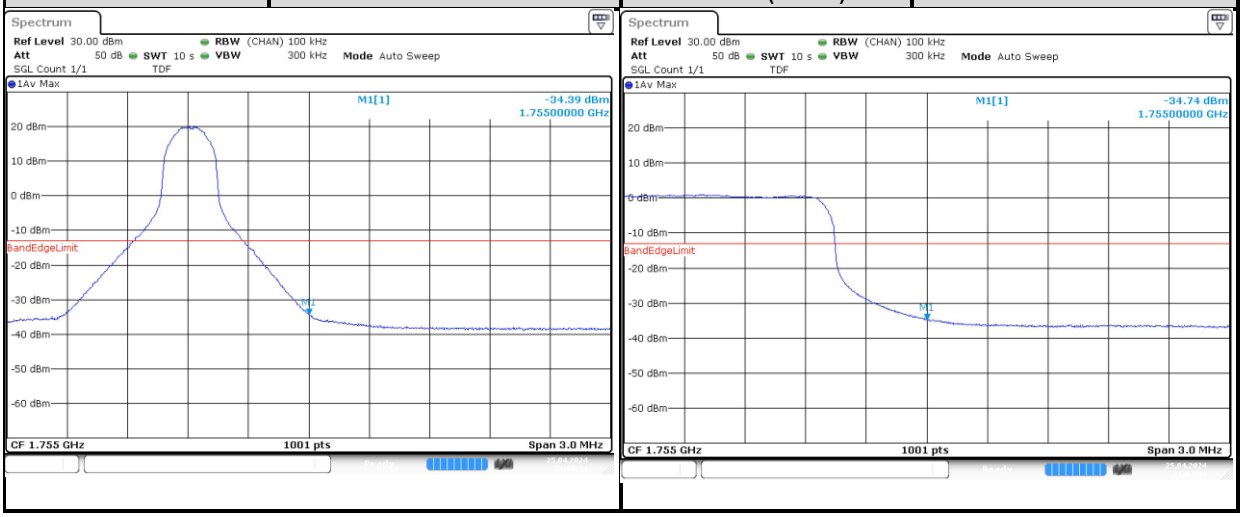


10MHz

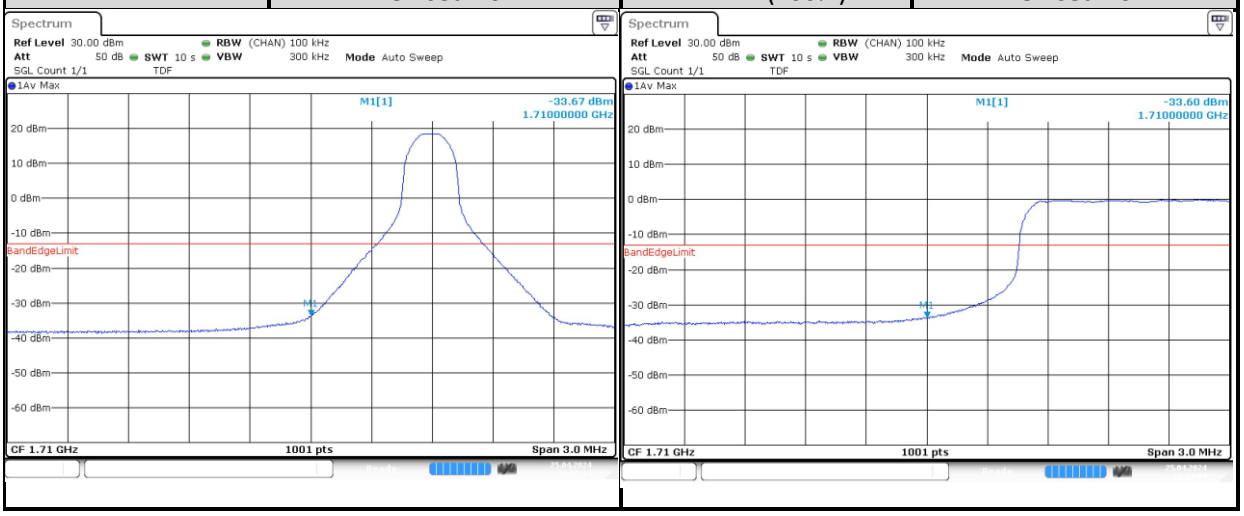
Band 4, 10MHz QPSK, Low CH 20000			
RB = 1	Offset = 0	RB = X (100%)	Offset = 0



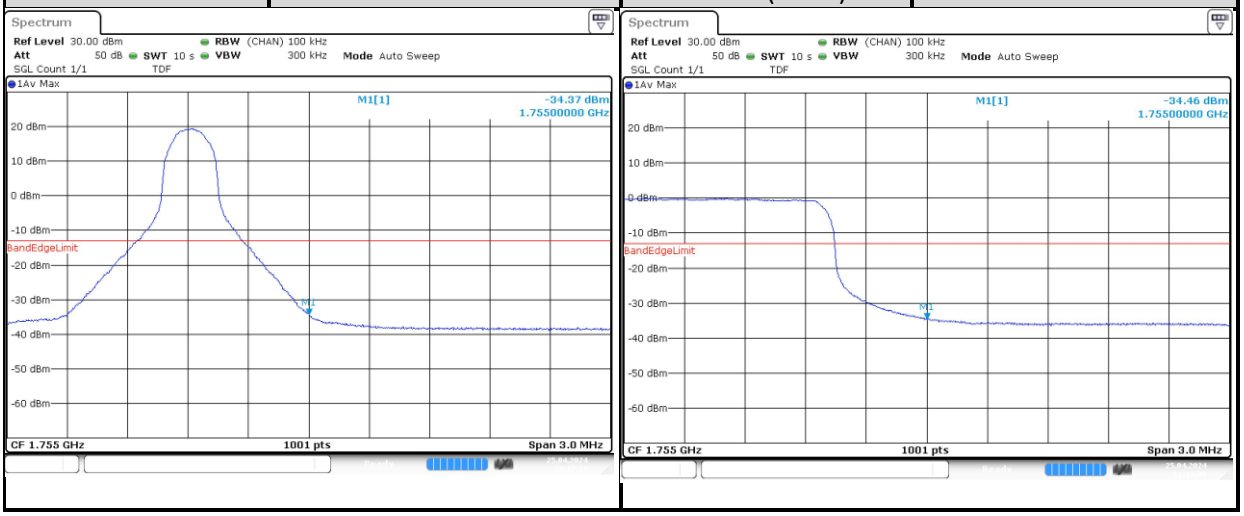
Band 4, 10MHz QPSK, High CH 20350			
RB = 1	Offset =X-1	RB = X (100%)	Offset = 0



Band 4, 10MHz 16-QAM, Low CH 20000			
RB = 1	Offset = 0	RB = X (100%)	Offset = 0

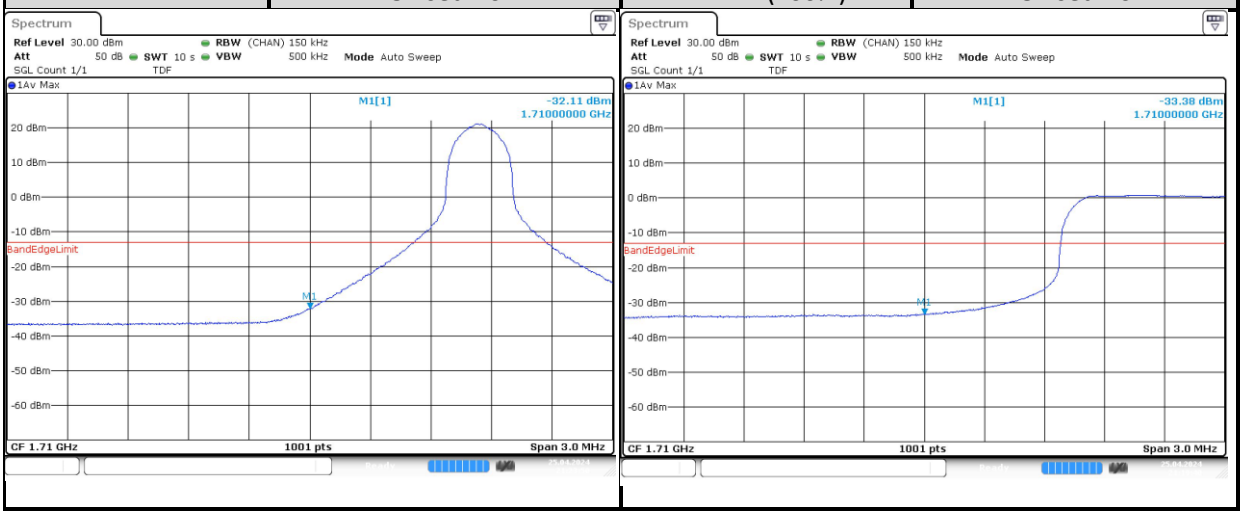


Band 4, 10MHz 16-QAM, High CH 20350			
RB = 1	Offset =X-1	RB = X (100%)	Offset = 0

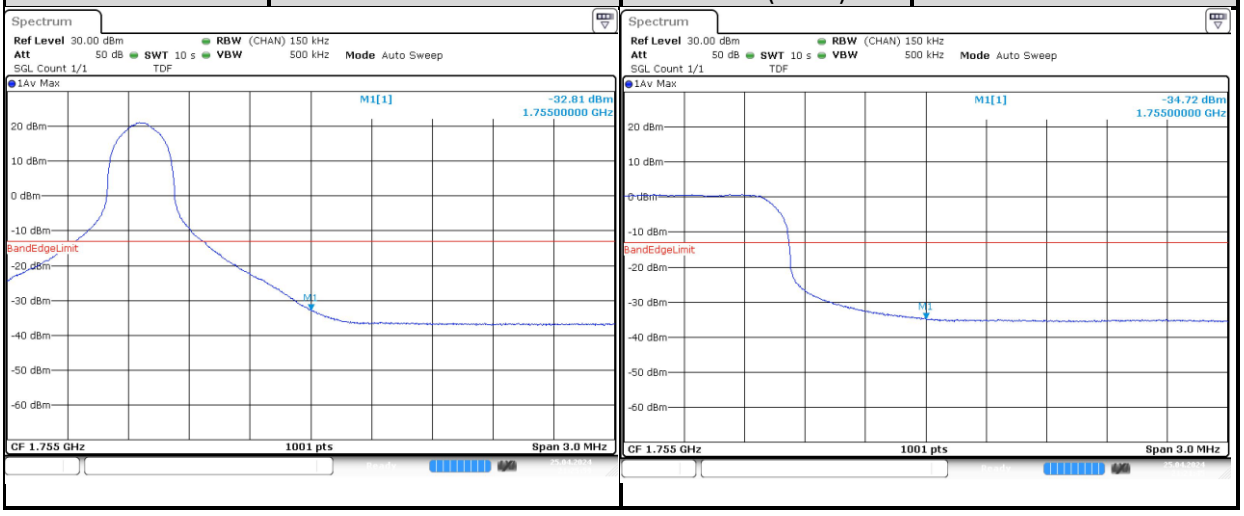


15MHz

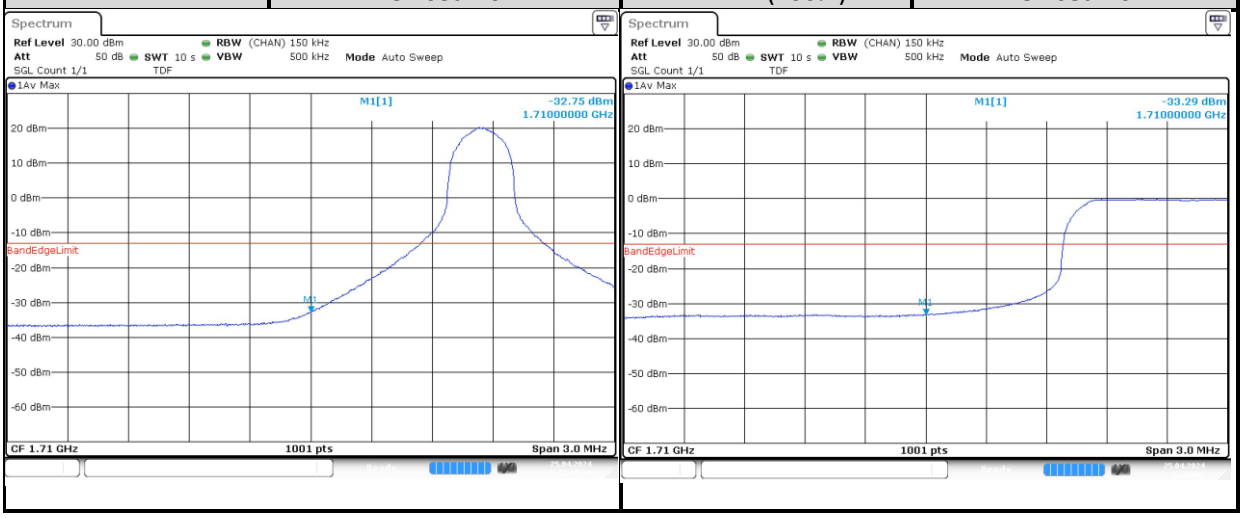
Band 4, 15MHz QPSK, Low CH 20025			
RB = 1	Offset = 0	RB = X (100%)	Offset = 0



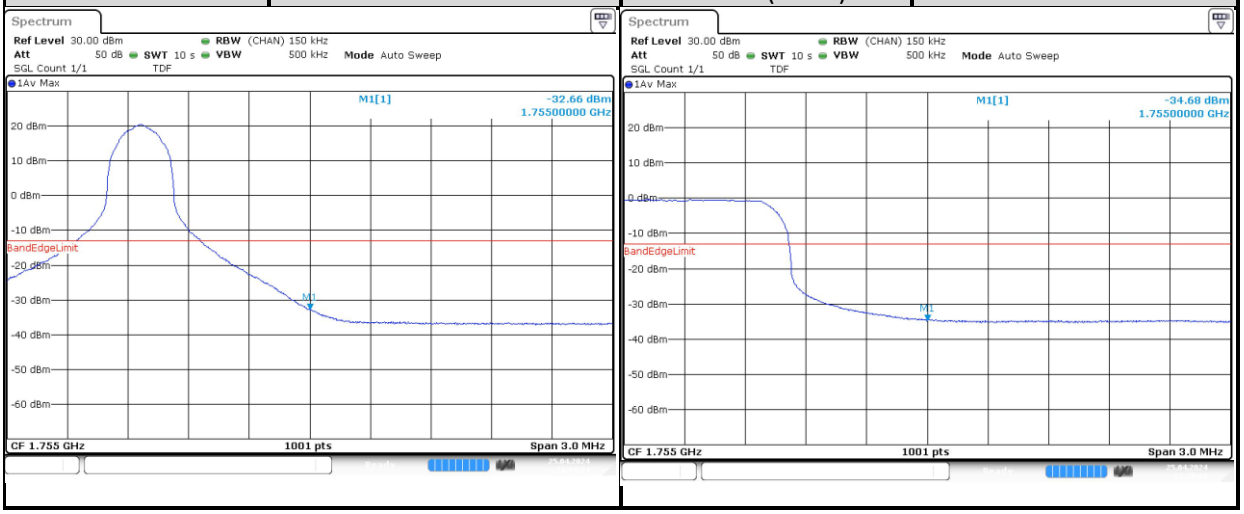
Band 4, 15MHz QPSK, High CH 20325			
RB = 1	Offset =X-1	RB = X (100%)	Offset = 0



Band 4, 15MHz 16-QAM, Low CH 20025			
RB = 1	Offset = 0	RB = X (100%)	Offset = 0

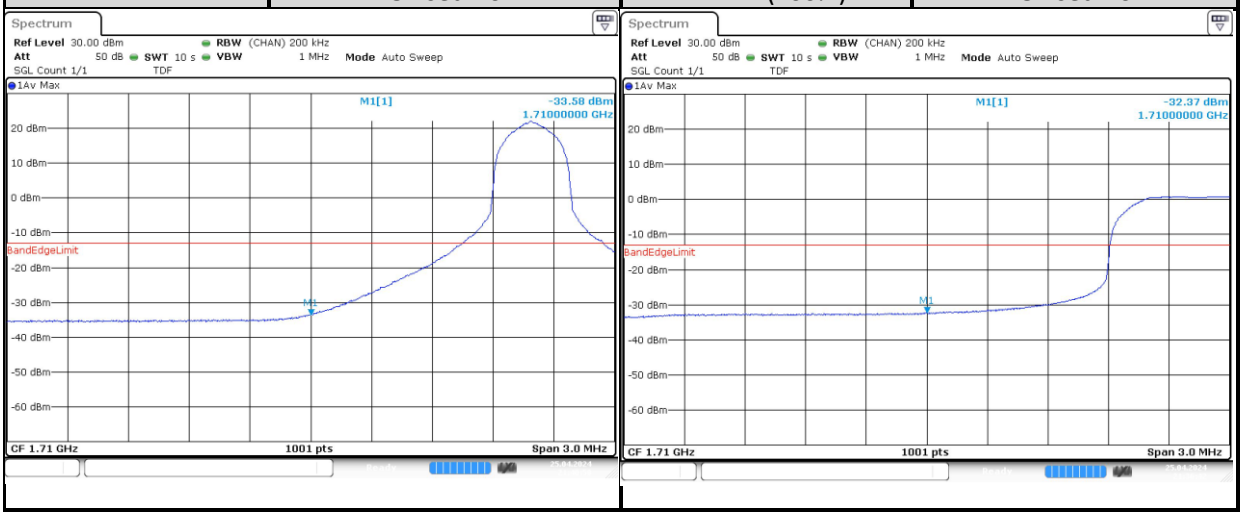


Band 4, 15MHz 16-QAM, High CH 20325			
RB = 1	Offset =X-1	RB = X (100%)	Offset = 0

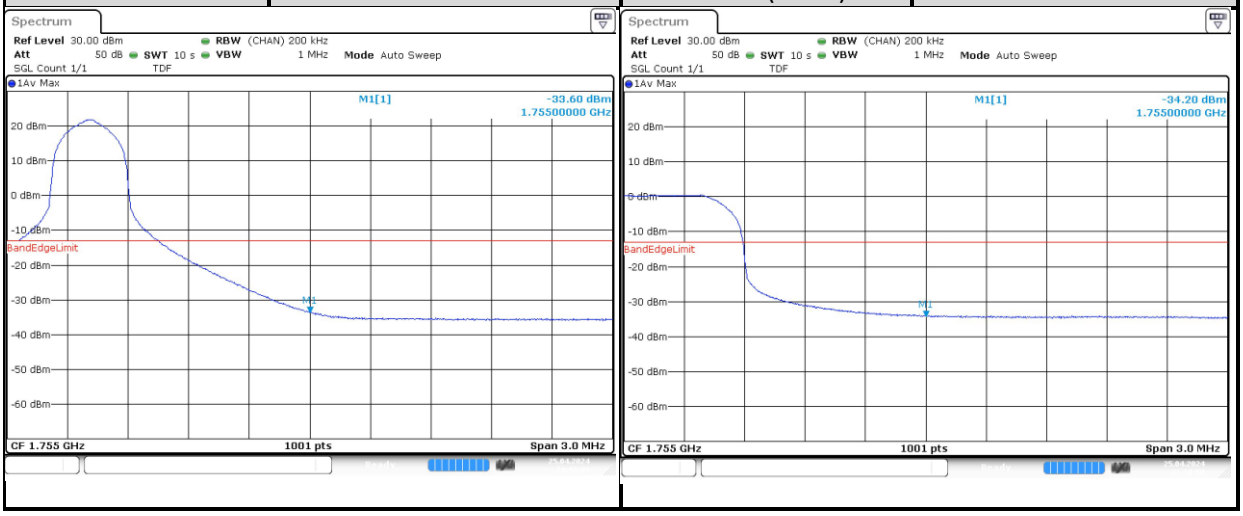


20MHz

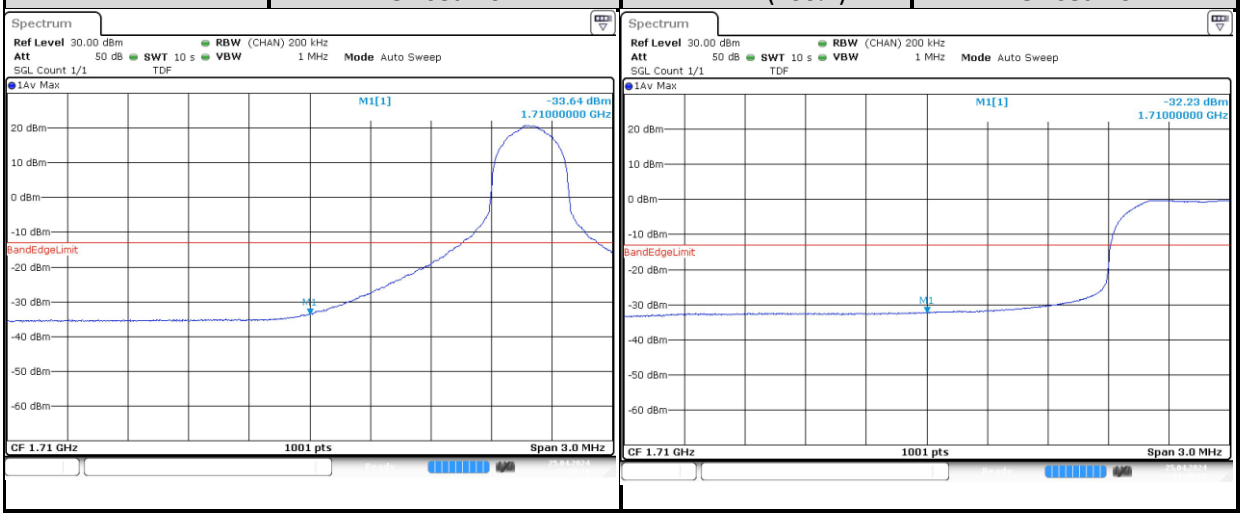
Band 4, 20MHz QPSK, Low CH 20050			
RB = 1	Offset = 0	RB = X (100%)	Offset = 0



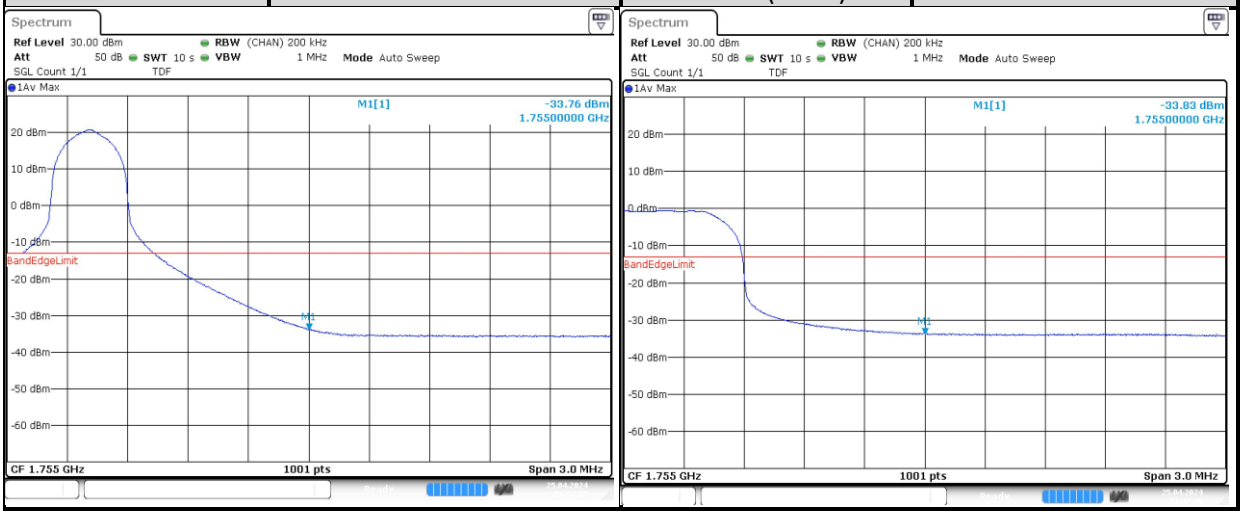
Band 4, 20MHz QPSK, High CH 20300			
RB = 1	Offset =X-1	RB = X (100%)	Offset = 0



Band 4, 20MHz 16-QAM, Low CH 20050			
RB = 1	Offset = 0	RB = X (100%)	Offset = 0

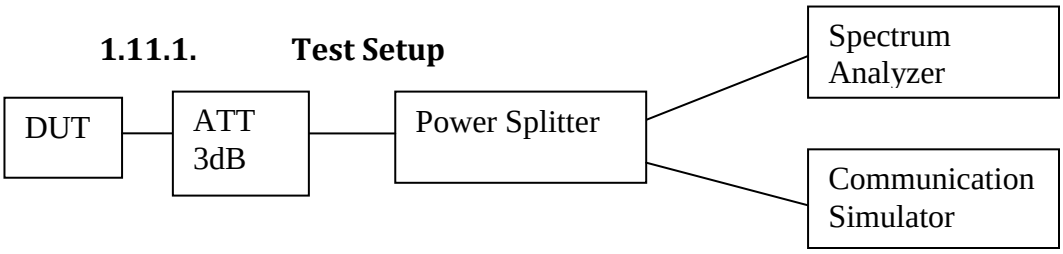


Band 4, 20MHz 16-QAM, High CH 20300			
RB = 1	Offset =X-1	RB = X (100%)	Offset = 0



1.11. Conducted Spurious Emission

1.11.1. Test Setup



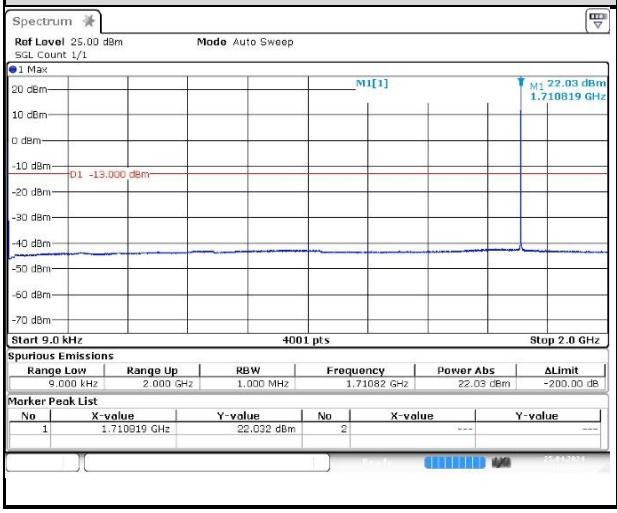
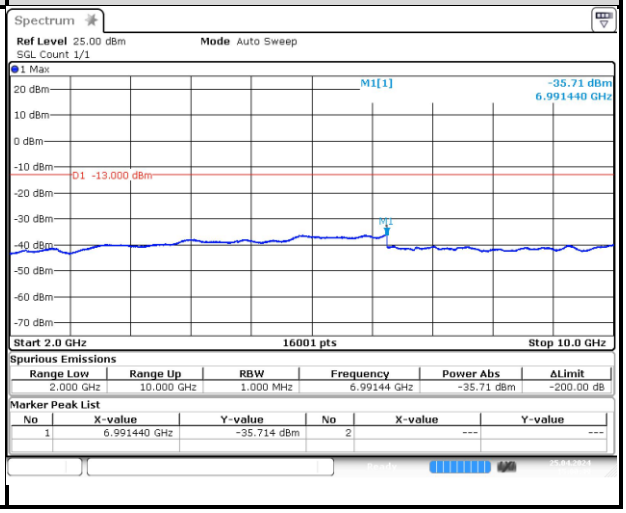
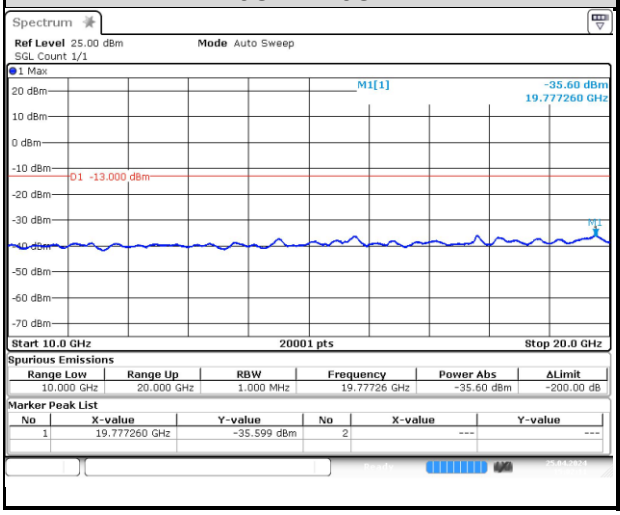
1) The DUT transmitter output port was connected to communication simulator with above setup.
2) Path loss for the measurement included.
3) Set DUT to transmit maximum power through communication simulator.
4) Spectrum Analyzer setting, RBW = 1 MHz, VBW = 3 MHz.
5) The spurious emission of lowest, middle and highest channels with the highest RF powers were measured.
6) Record the maximum trace plot into the test report.

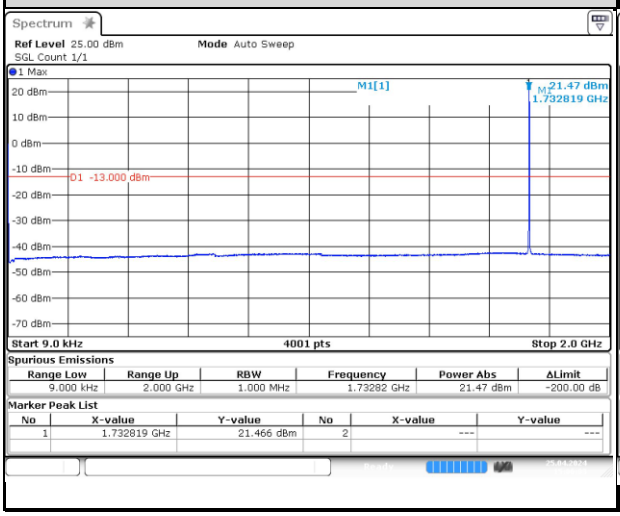
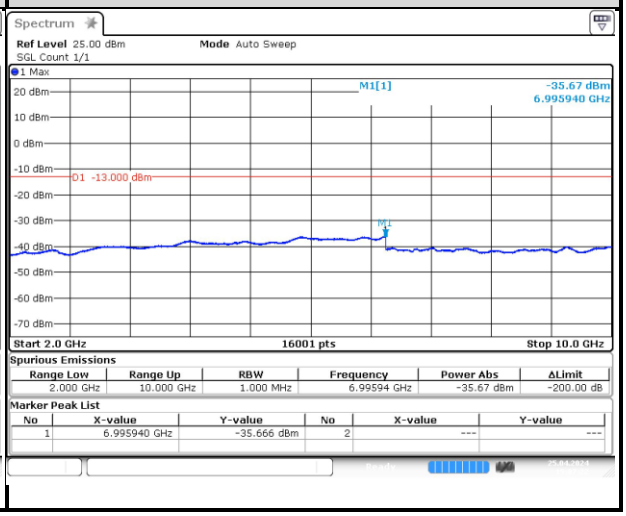
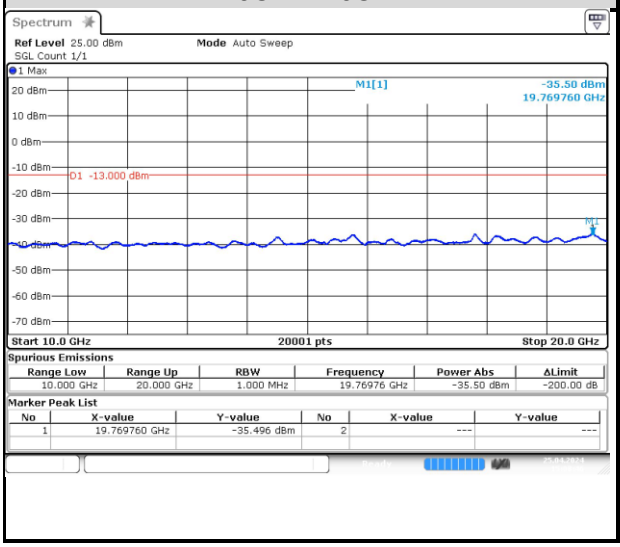
1.11.2. Test Limit

For operations in the 1710-1755 MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}$ (P) dB. The measurement instrumentation is employing a resolution bandwidth of 1 megahertz or greater.

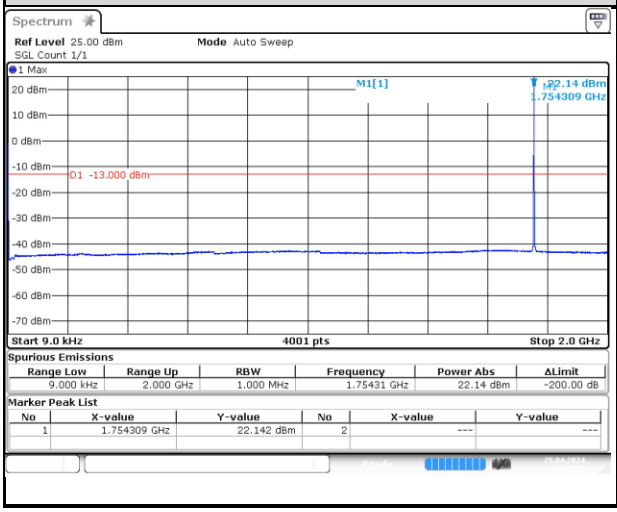
1.11.3. Conducted Spurious Emissions – LTE Band 4 (1710-1755MHz)

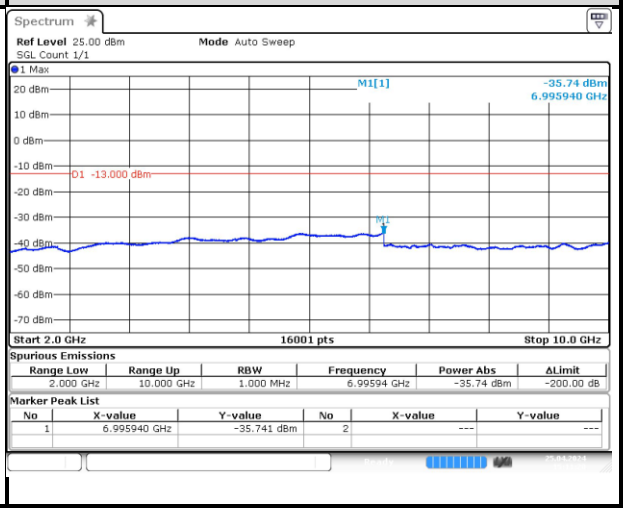
1.4MHz

QPSK - Low Freq (1710.7 MHz)	
RB Size =1, RB Offset = 3	
9kHz ~ 2GHz	2GHz ~ 10GHz
	
10GHz ~ 20GHz	
	

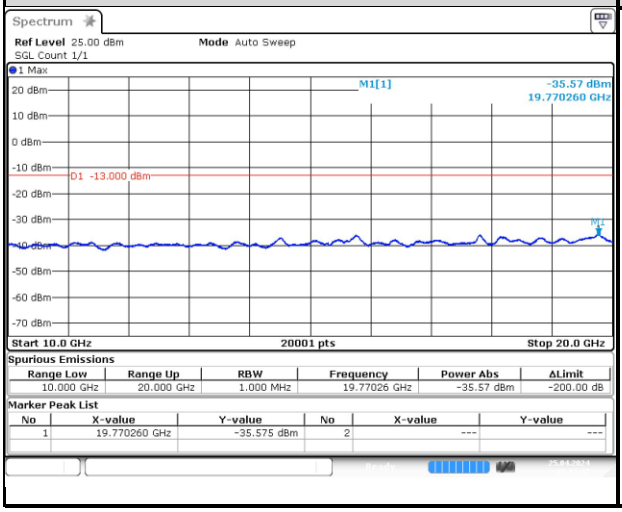
QPSK - Mid Freq (1732.5 MHz)	
RB Size =1, RB Offset = 3	
9kHz ~ 2GHz	2GHz ~ 10GHz
	
10GHz ~ 20GHz	
	

QPSK - High Freq (1754.3 MHz)	
RB Size =1, RB Offset = 3	
9kHz ~ 2GHz	2GHz ~ 10GHz

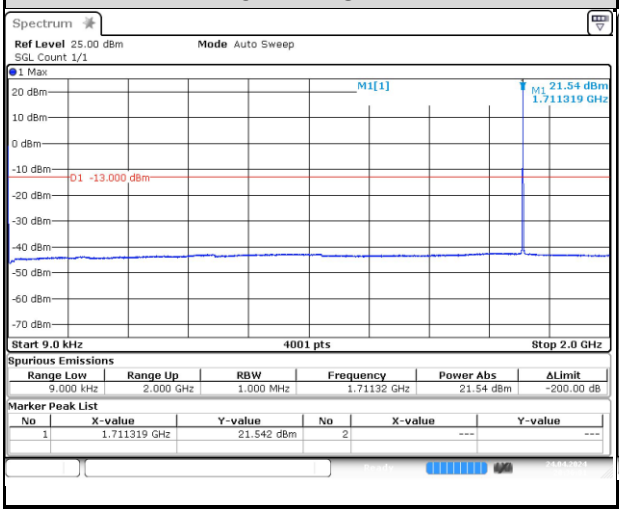
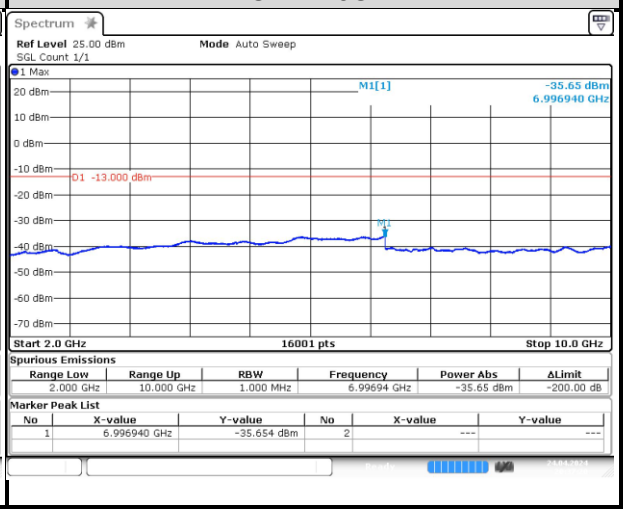
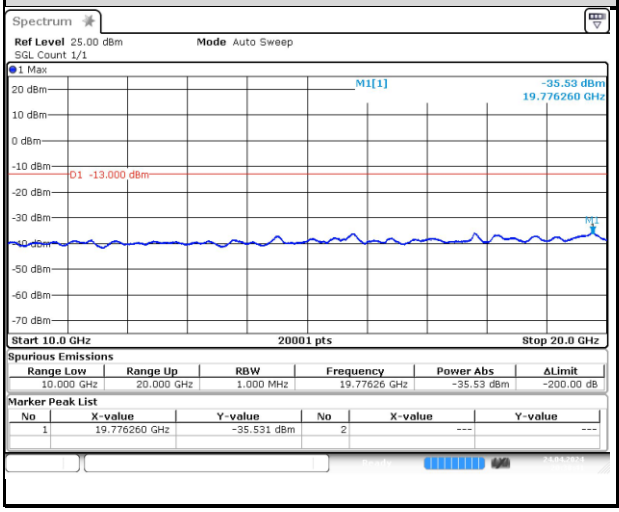


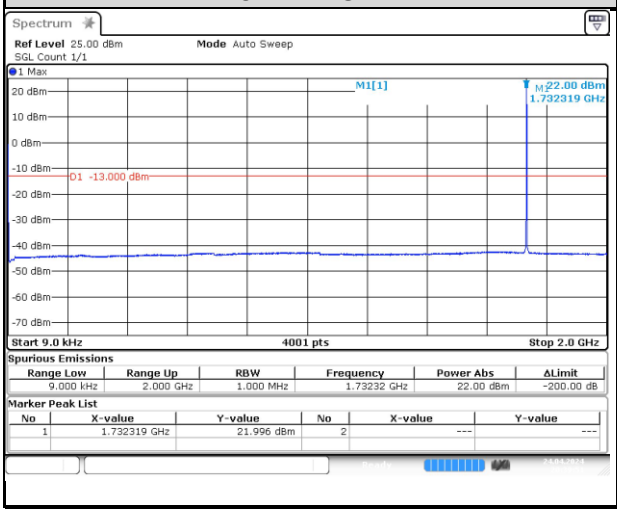
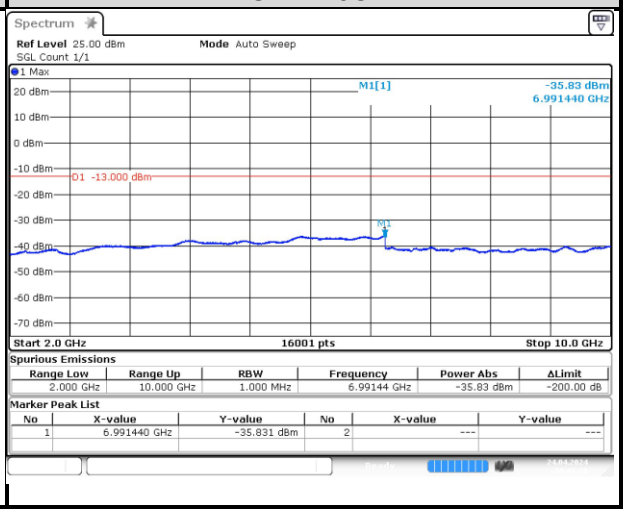
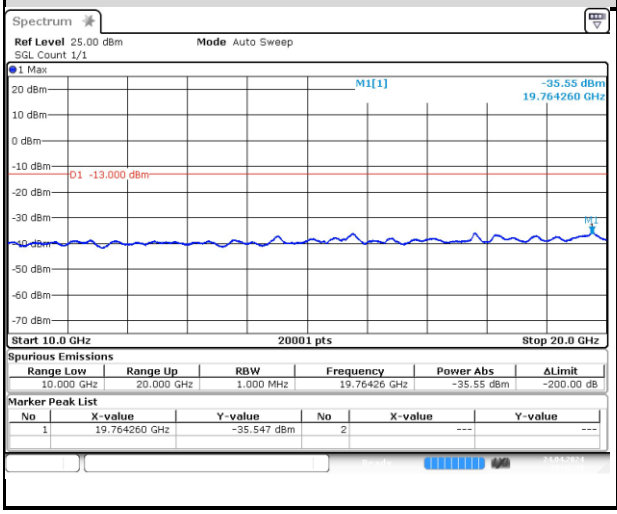


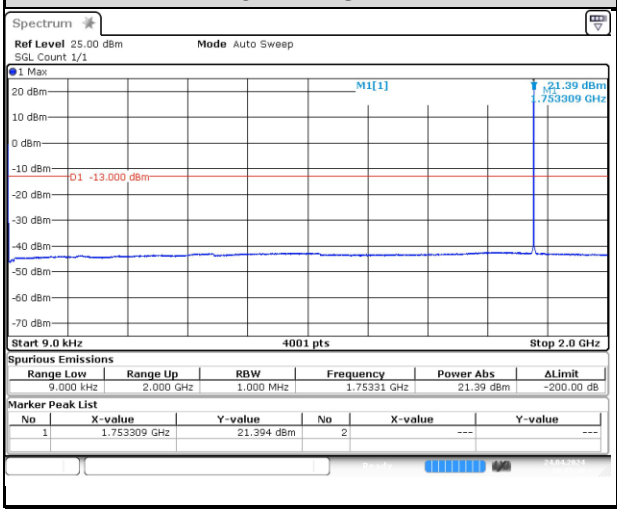
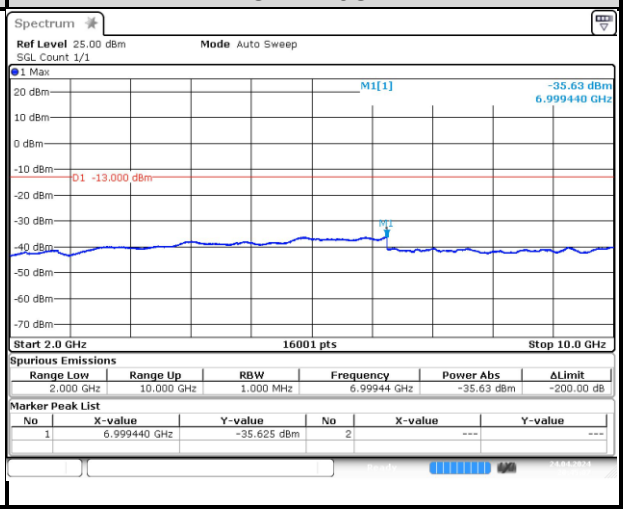
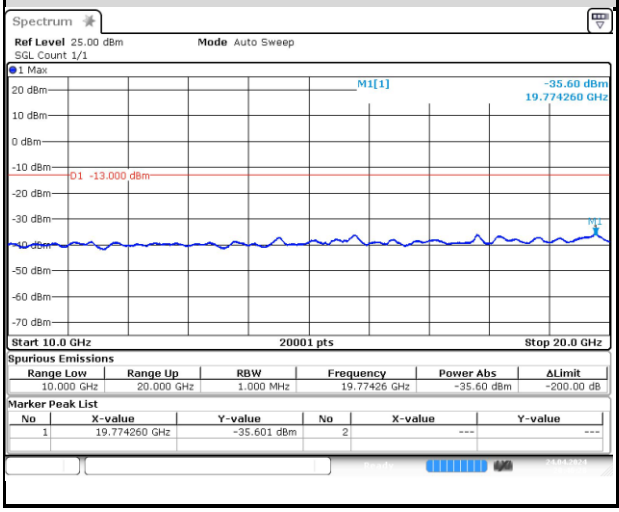
10GHz ~ 20GHz	



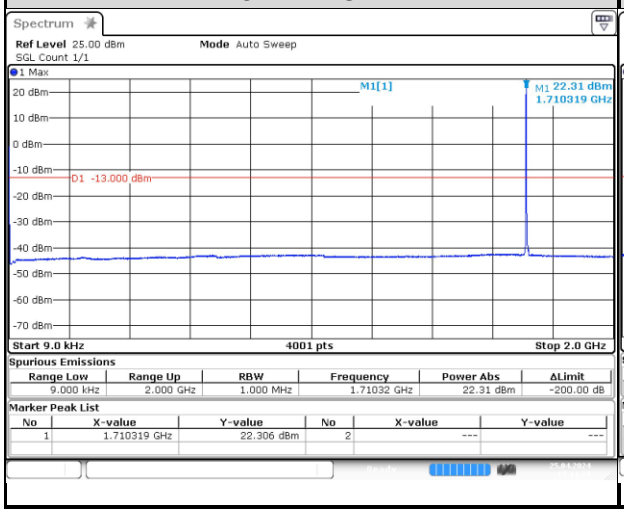
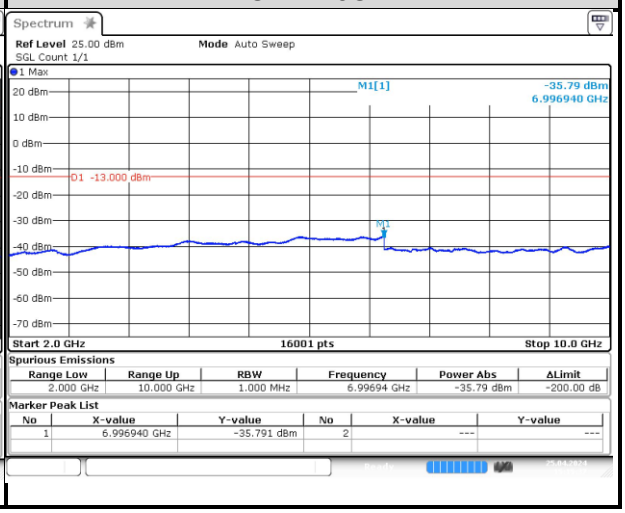
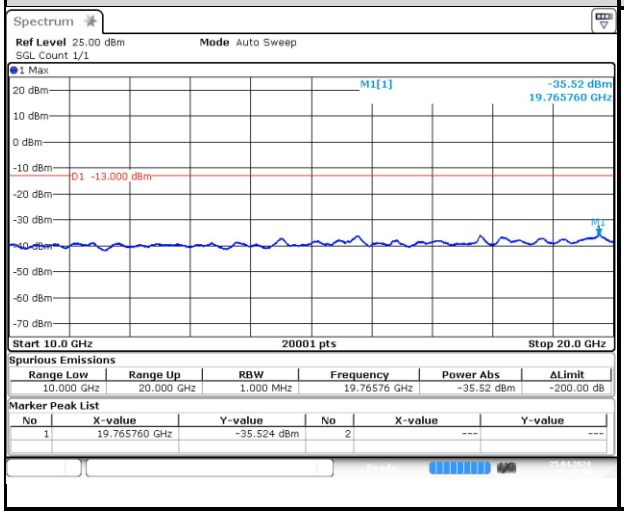
3MHz

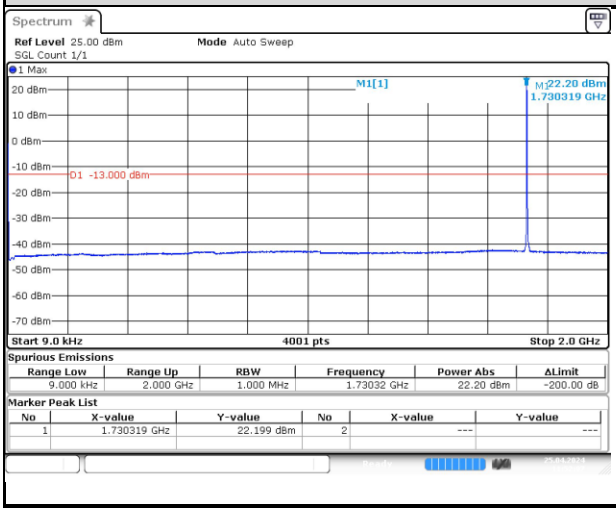
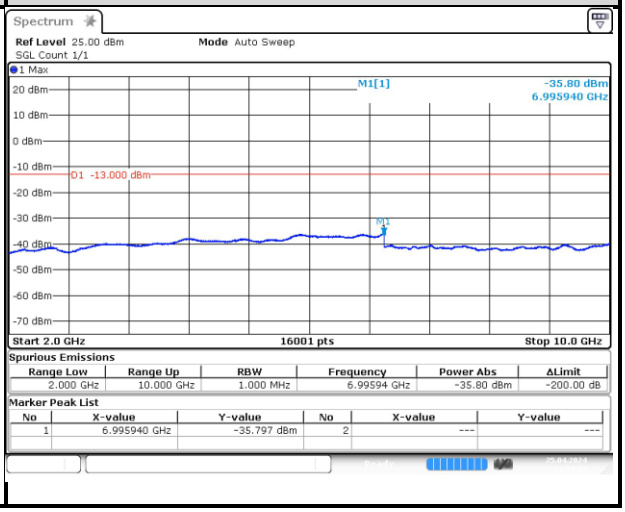
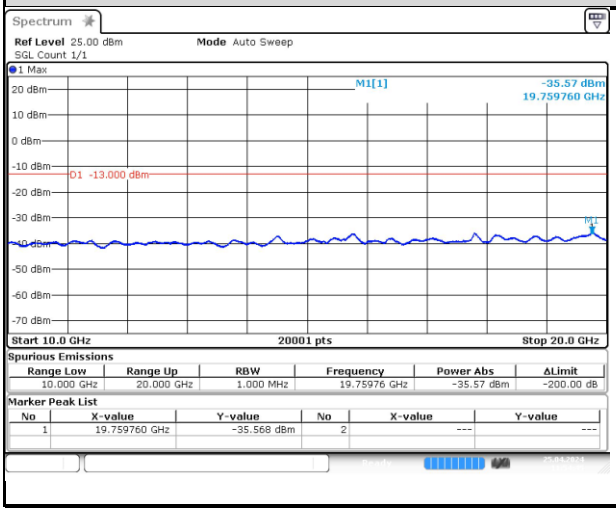
QPSK - Low Freq (1711.5 MHz)	
RB Size =1, RB Offset = 7	
9kHz ~ 2GHz	2GHz ~ 10GHz
	
10GHz ~ 20GHz	
	

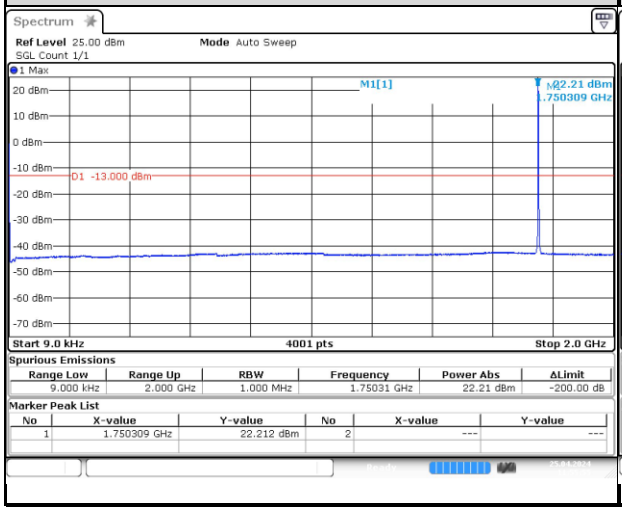
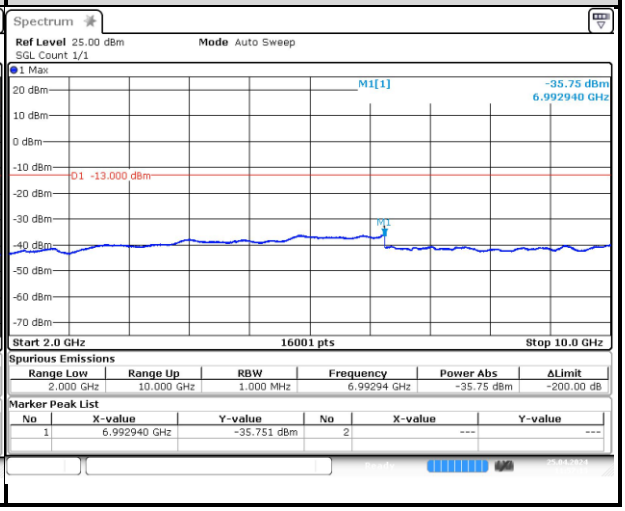
QPSK - Mid Freq (1732.5 MHz)	
RB Size =1, RB Offset = 7	
9kHz ~ 2GHz	2GHz ~ 10GHz
	
10GHz ~ 20GHz	
	

QPSK - High Freq (1753.5 MHz)	
RB Size =1, RB Offset = 7	
9kHz ~ 2GHz	2GHz ~ 10GHz
	
10GHz ~ 20GHz	
	

5MHz

QPSK - Low Freq (1712.5 MHz)	
RB Size =1, RB Offset = 0	
9kHz ~ 2GHz	2GHz ~ 10GHz
	
10GHz ~ 20GHz	
	

QPSK - Mid Freq (1732.5 MHz)	
RB Size =1, RB Offset = 0	
9kHz ~ 2GHz	2GHz ~ 10GHz
	
10GHz ~ 20GHz	
	

QPSK - High Freq (1752.5 MHz)	
RB Size =1, RB Offset = 0	
9kHz ~ 2GHz	2GHz ~ 10GHz
	
10GHz ~ 20GHz