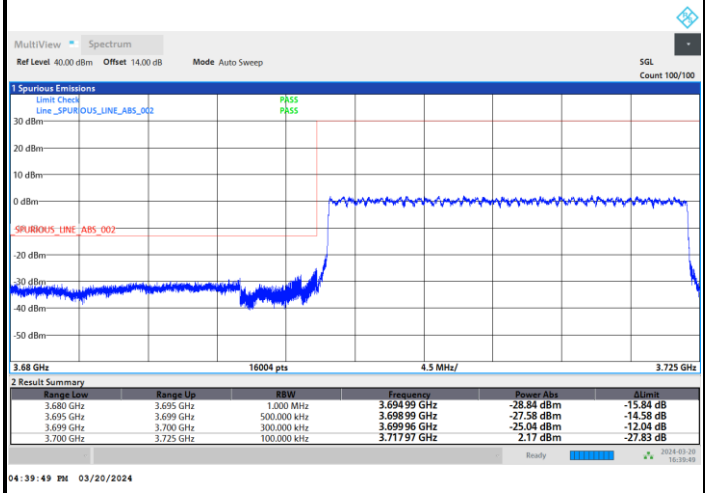
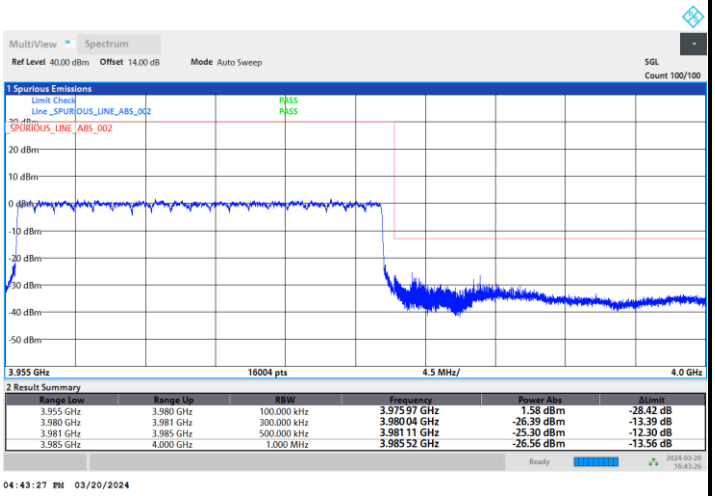
FR1 n77 / 25MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

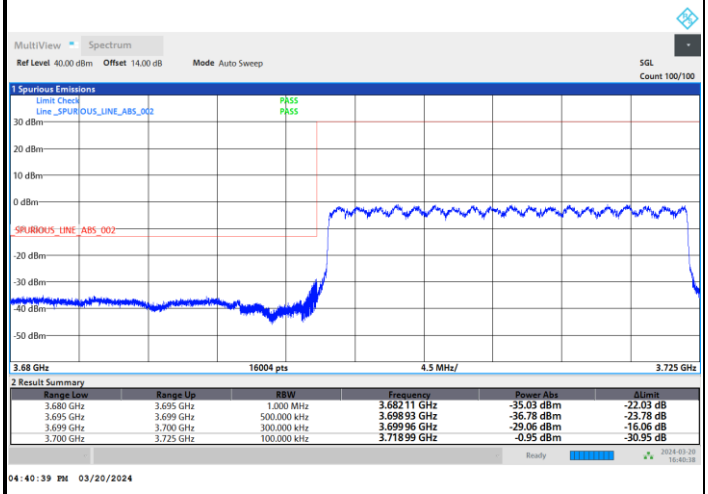


Highest Band Edge / Full RB

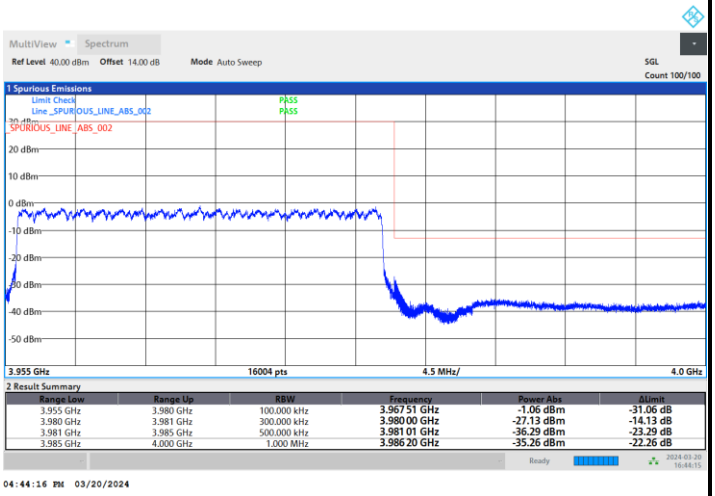


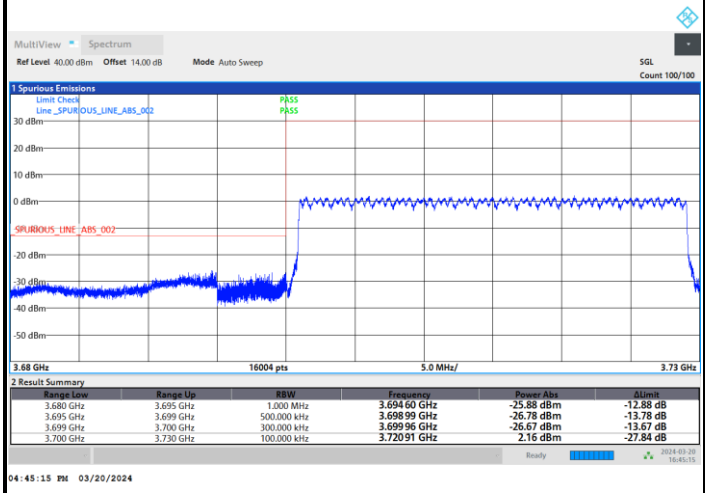
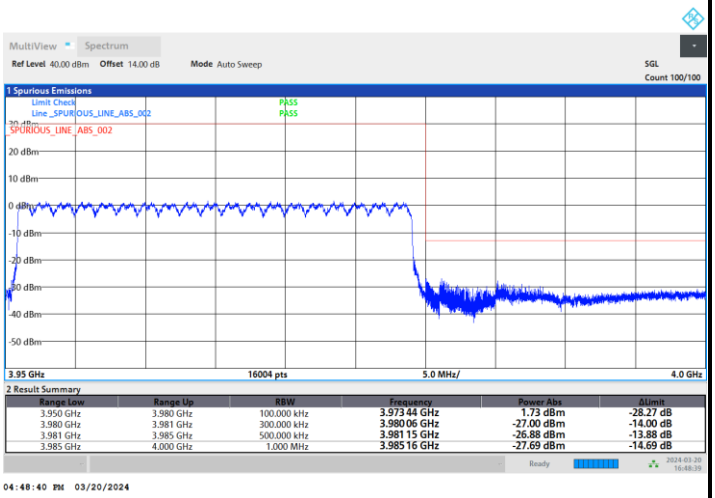
FR1 n77 / 25MHz / CP OFDM / 256QAM

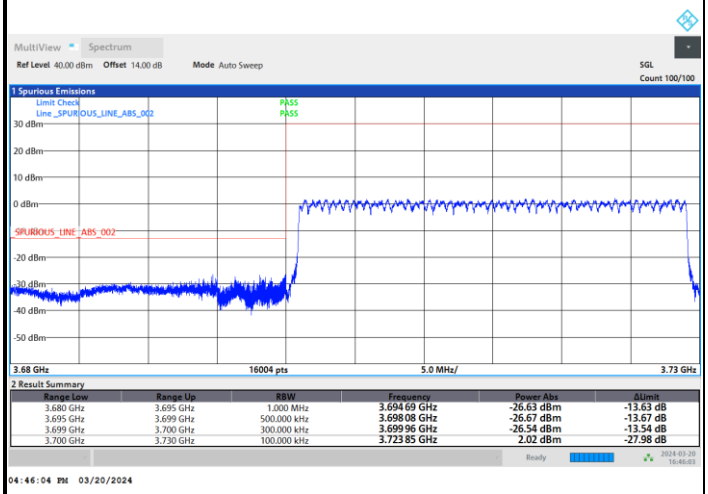
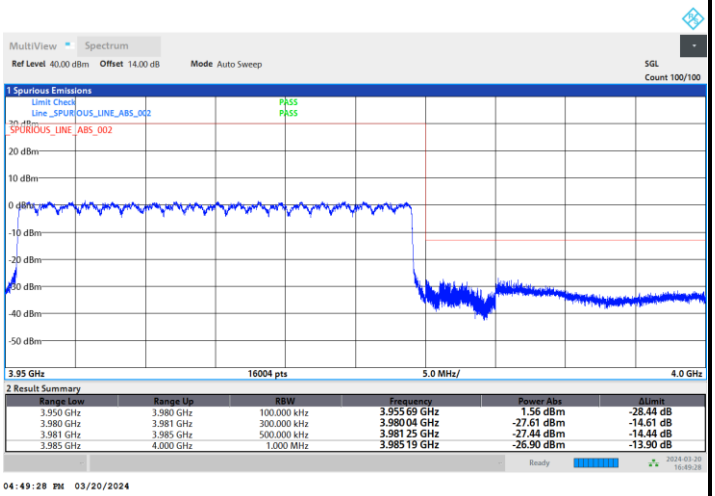
Lowest Band Edge / Full RB



Highest Band Edge / Full RB

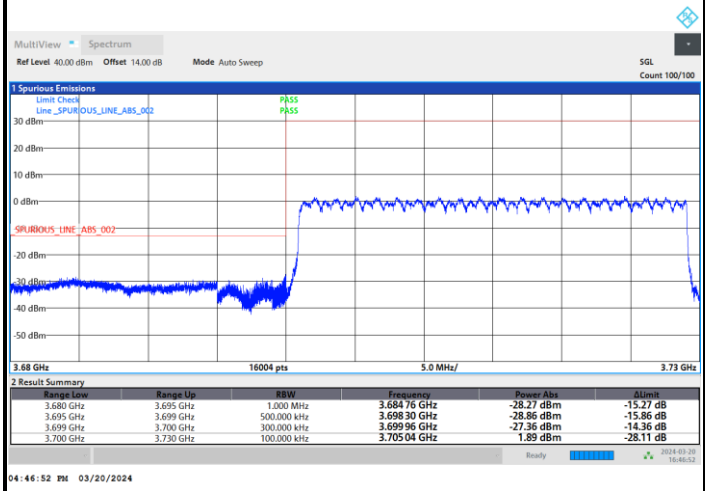


FR1 n77 / 30MHz / CP OFDM / QPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

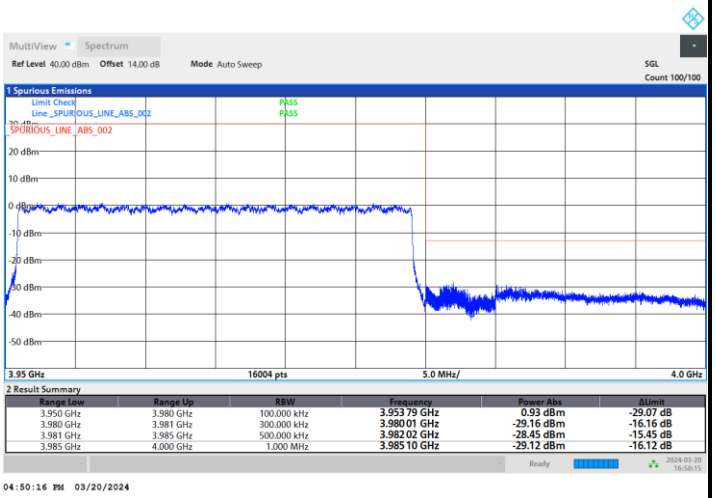
FR1 n77 / 30MHz / CP OFDM / 16QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

FR1 n77 / 30MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

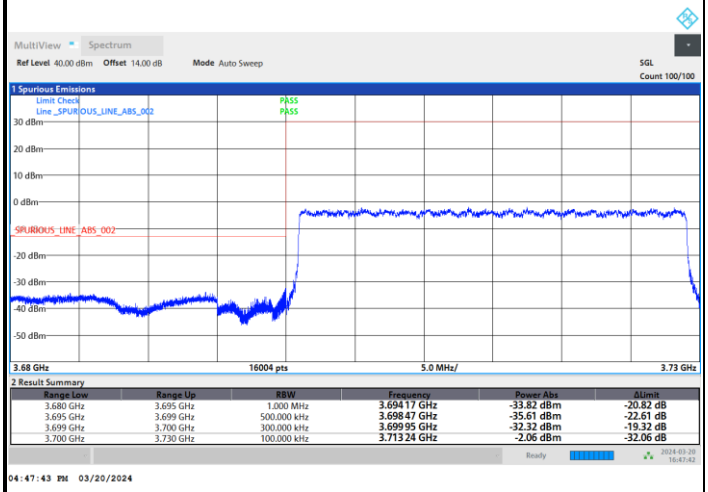


Highest Band Edge / Full RB

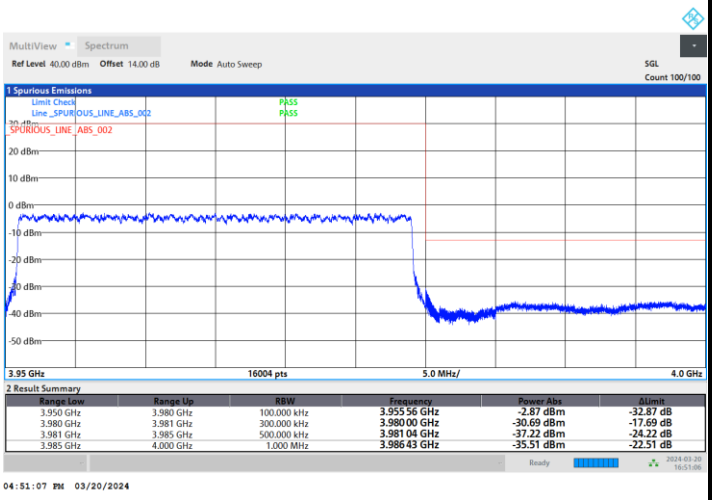


FR1 n77 / 30MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB

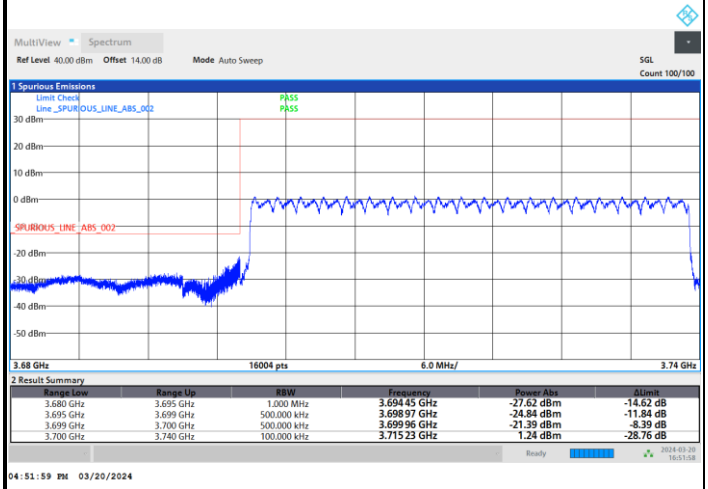


Highest Band Edge / Full RB

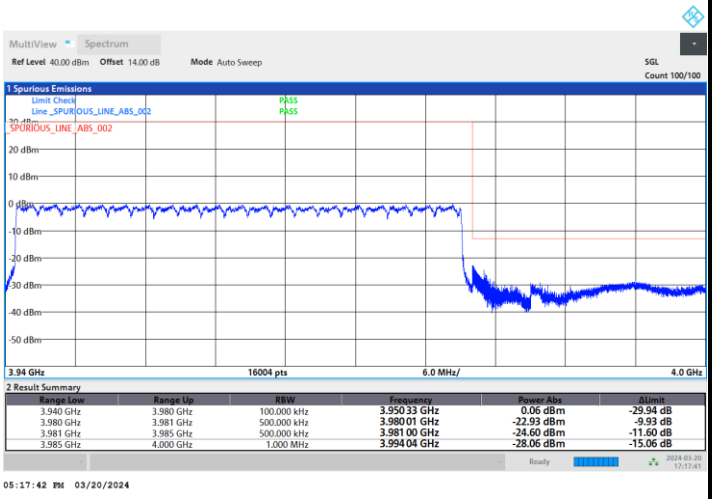


FR1 n77 / 40MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

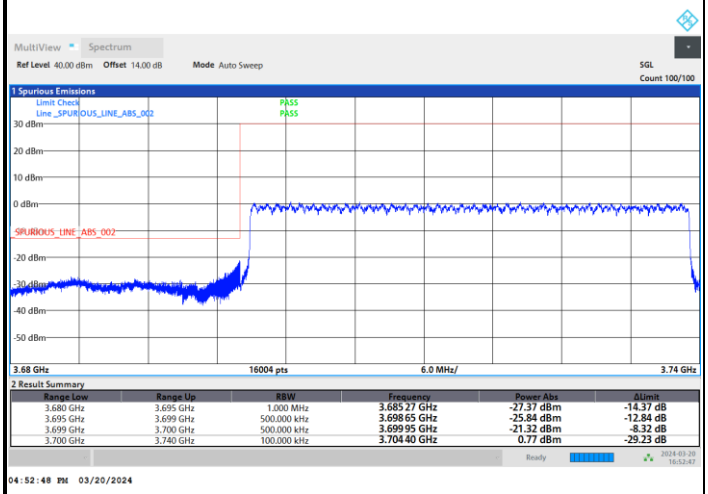


Highest Band Edge / Full RB

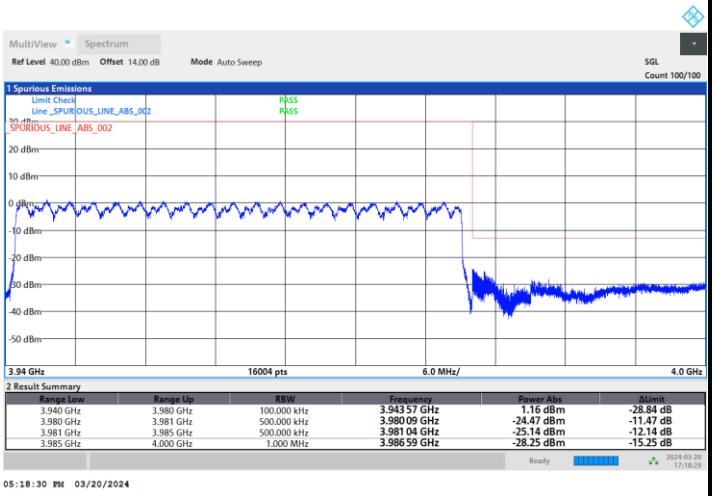


FR1 n77 / 40MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB

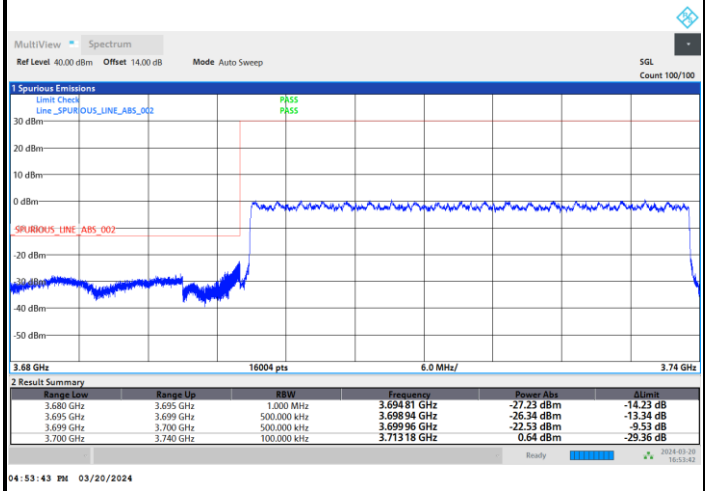


Highest Band Edge / Full RB

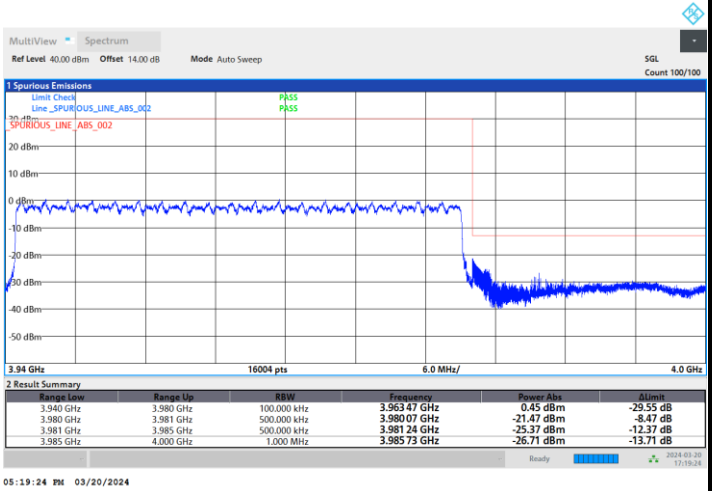


FR1 n77 / 40MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

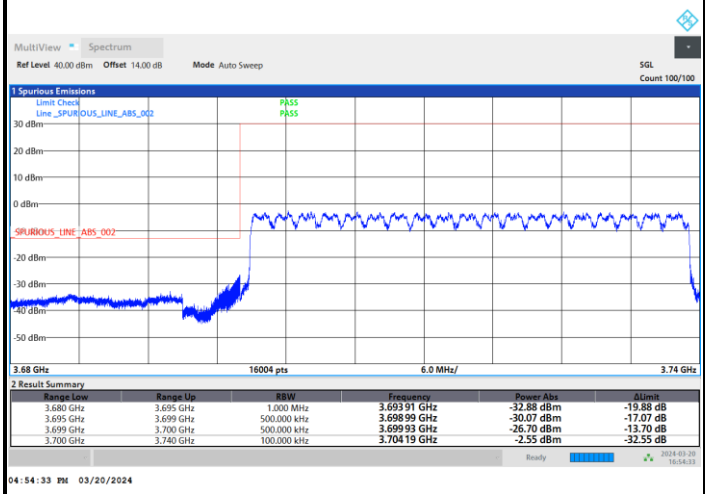


Highest Band Edge / Full RB

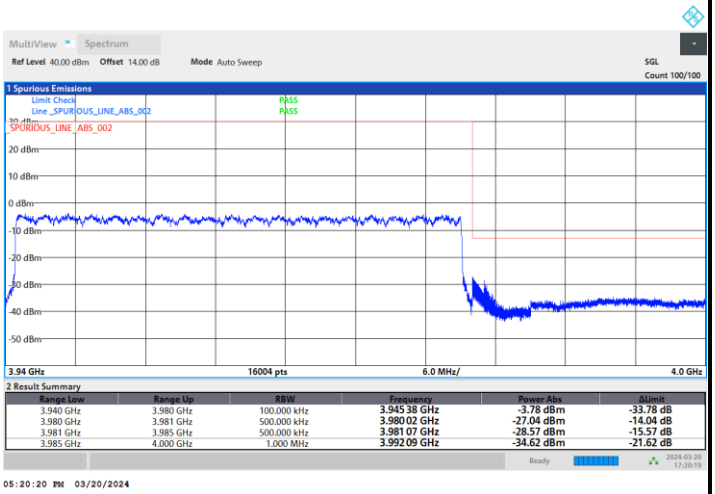


FR1 n77 / 40MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB

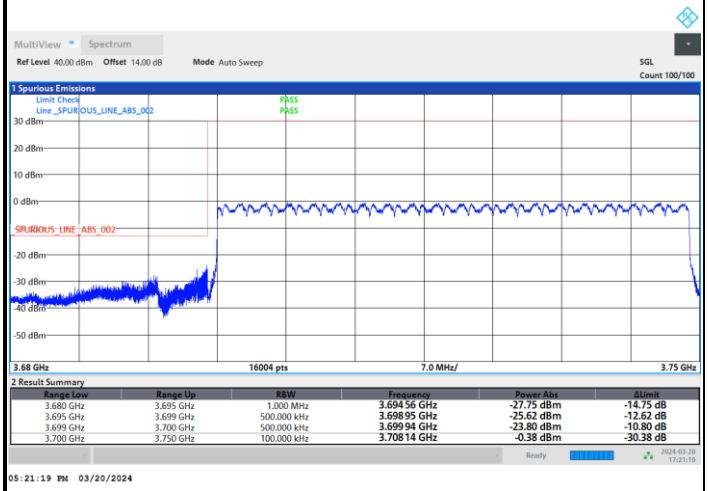


Highest Band Edge / Full RB

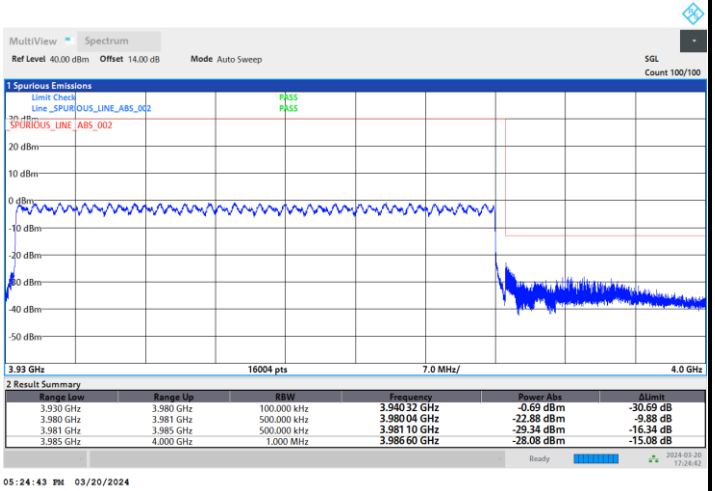


FR1 n77 / 50MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

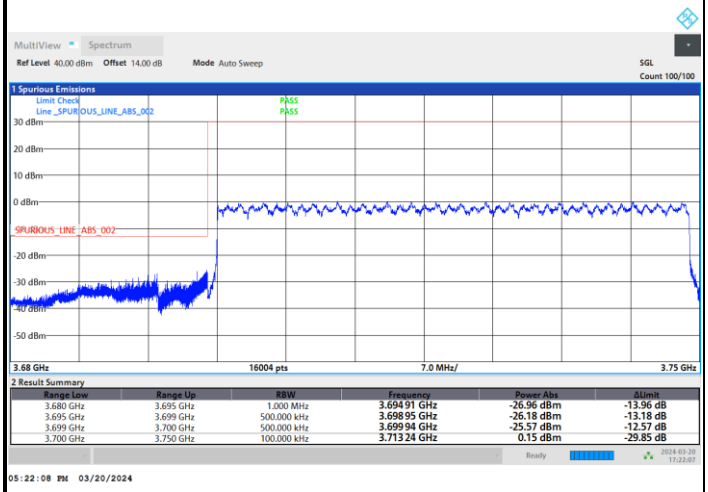


Highest Band Edge / Full RB

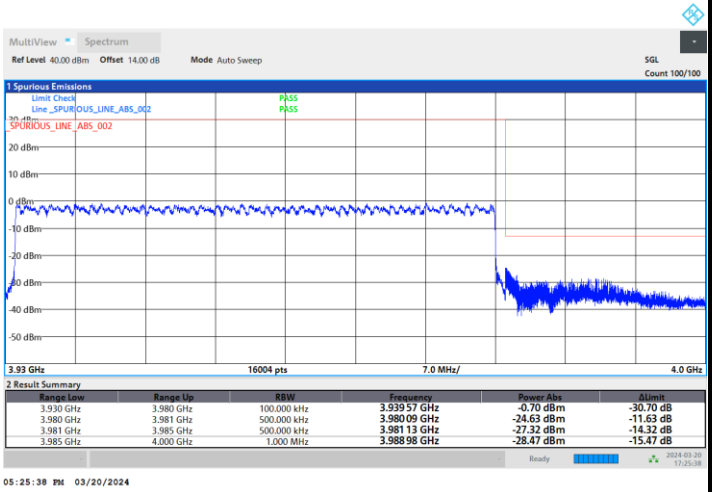


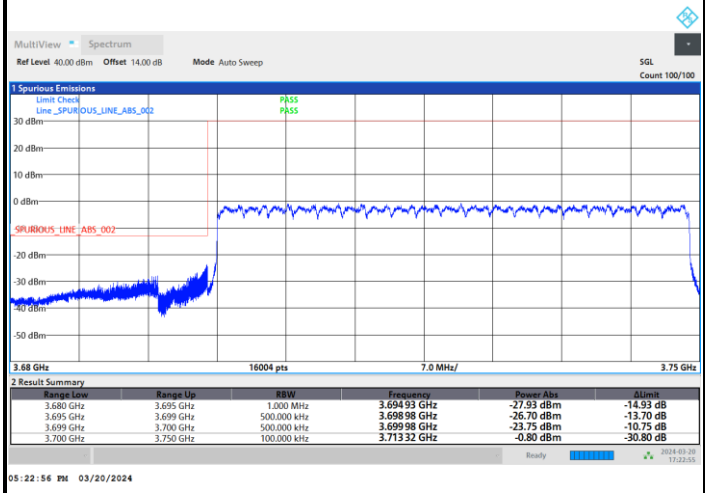
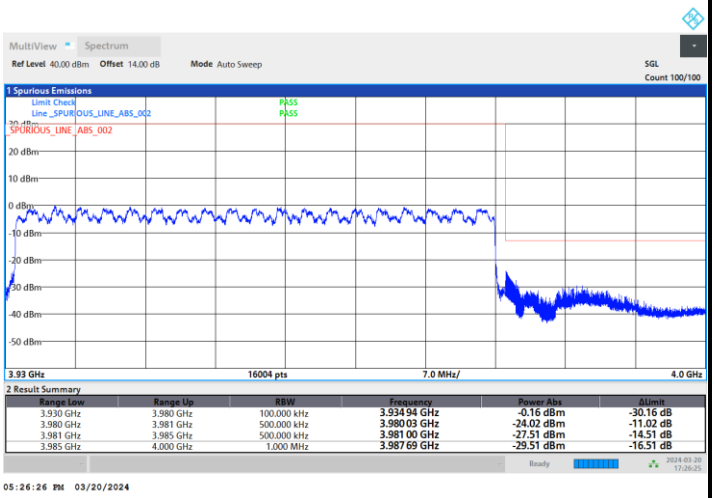
FR1 n77 / 50MHz / CP OFDM / 16QAM

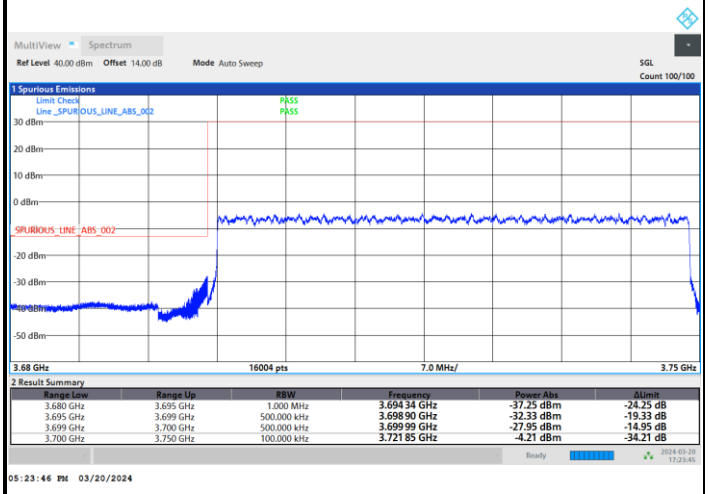
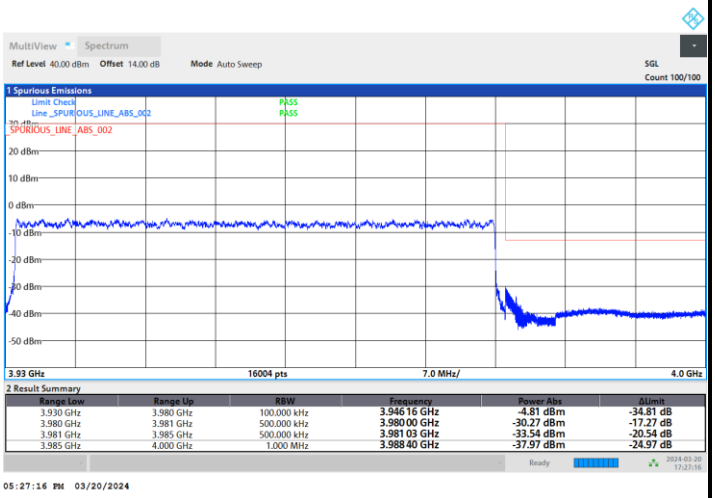
Lowest Band Edge / Full RB



Highest Band Edge / Full RB

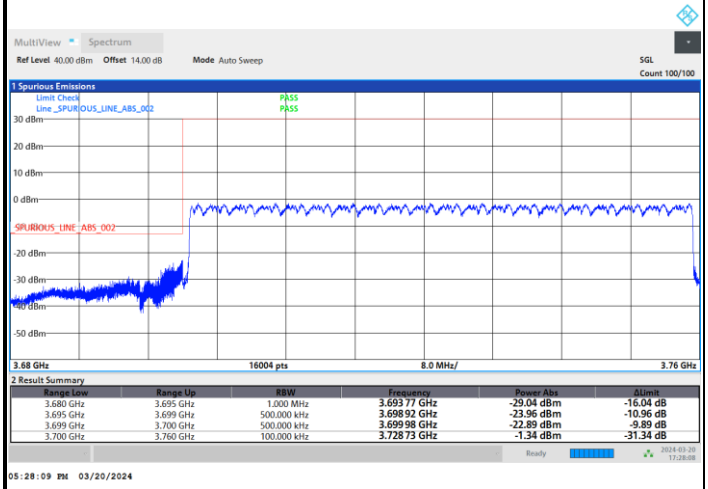


FR1 n77 / 50MHz / CP OFDM / 64QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

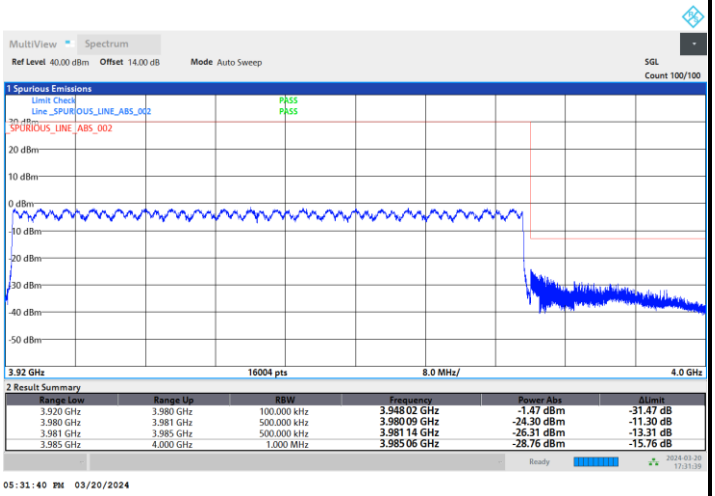
FR1 n77 / 50MHz / CP OFDM / 256QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

FR1 n77 / 60MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

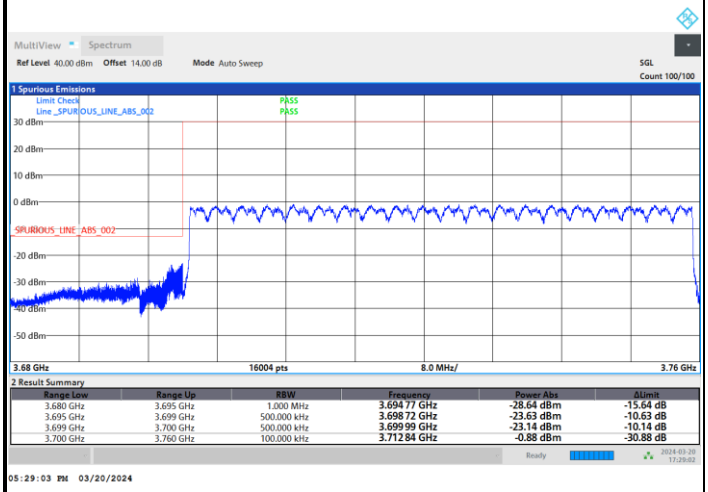


Highest Band Edge / Full RB

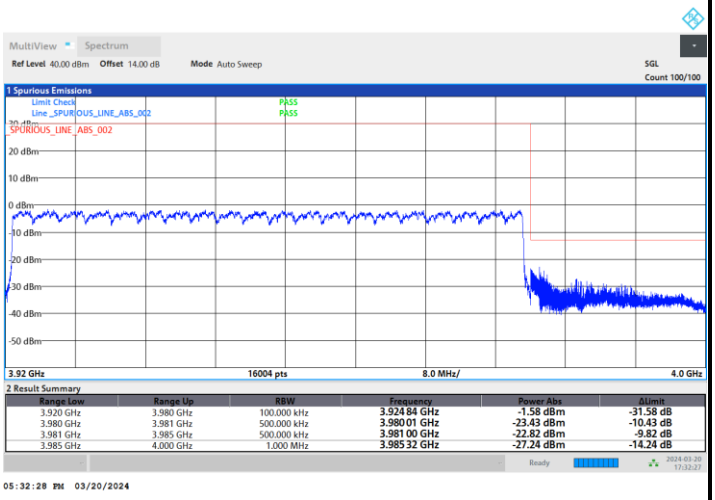


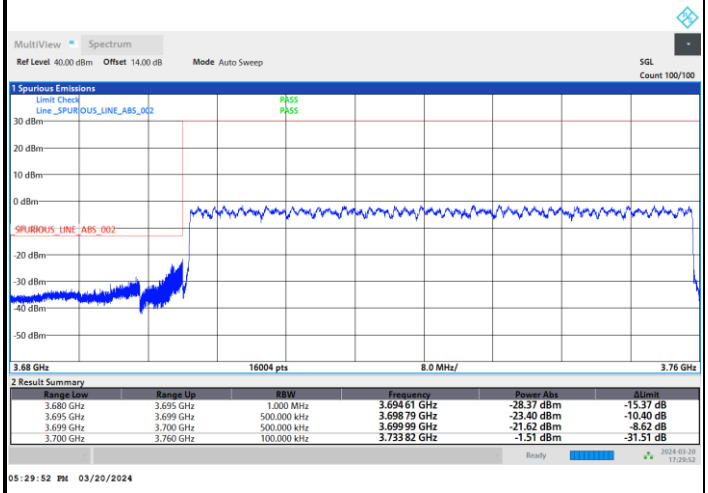
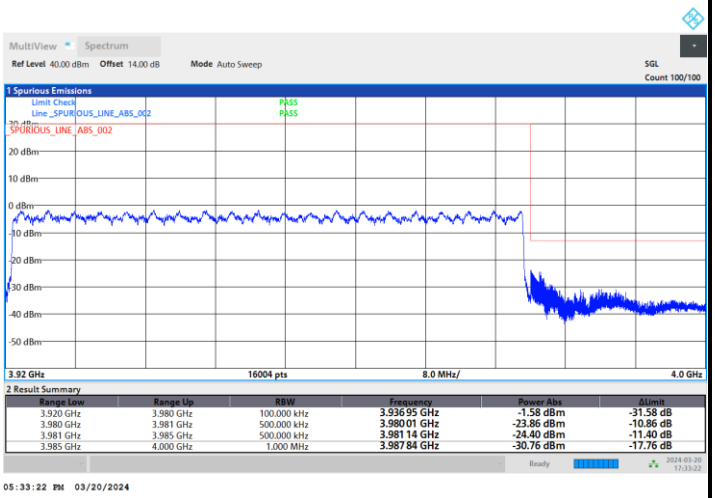
FR1 n77 / 60MHz / CP OFDM / 16QAM

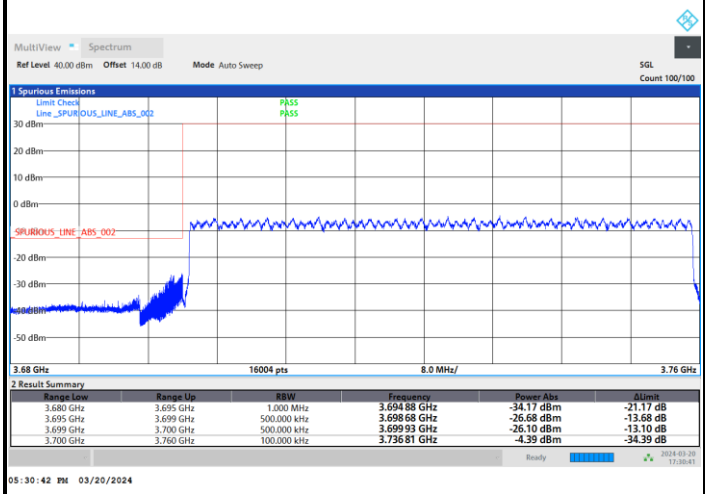
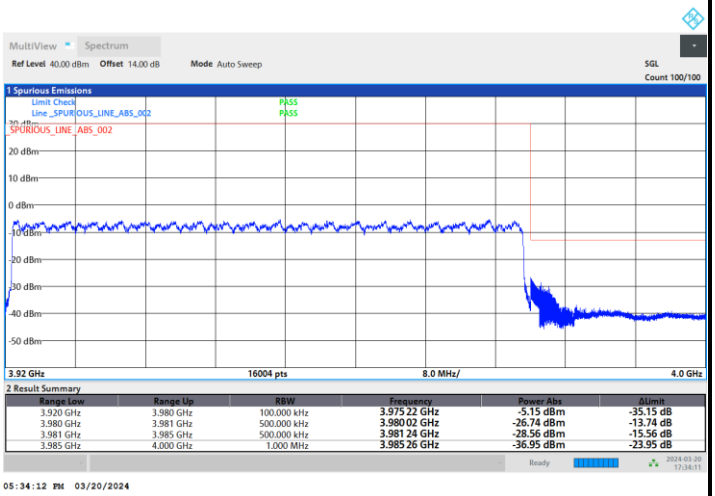
Lowest Band Edge / Full RB

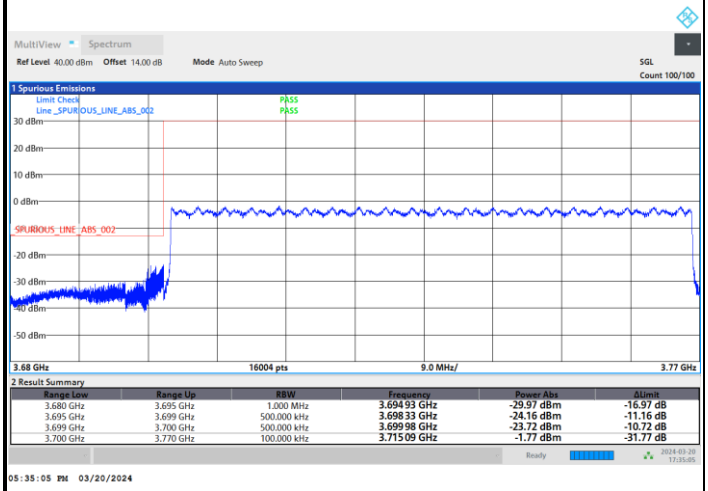
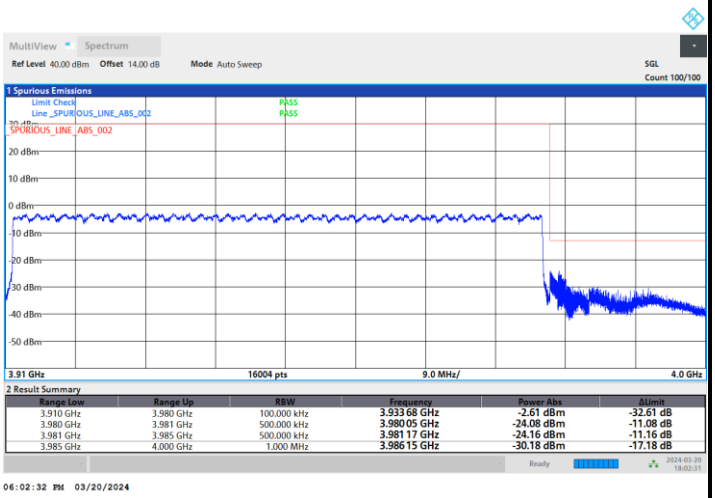


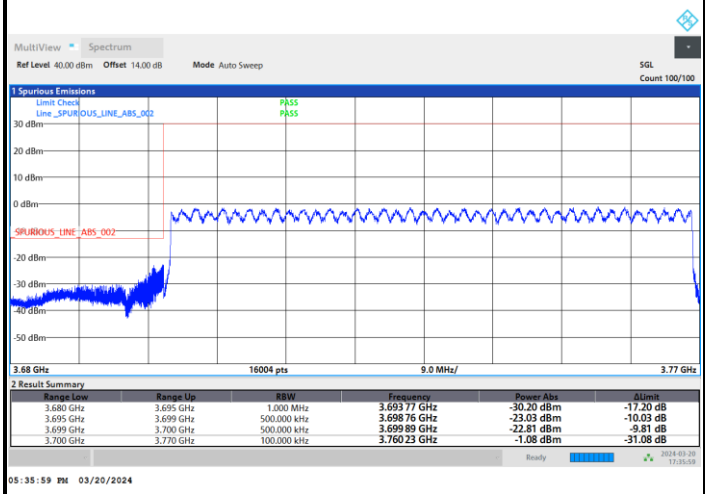
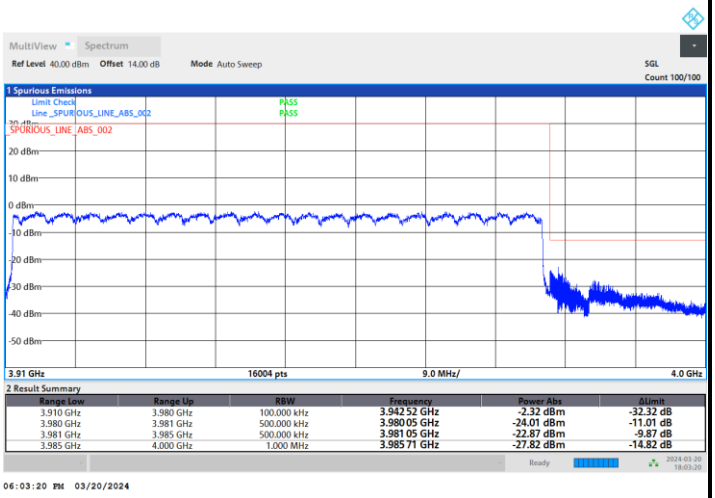
Highest Band Edge / Full RB



FR1 n77 / 60MHz / CP OFDM / 64QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

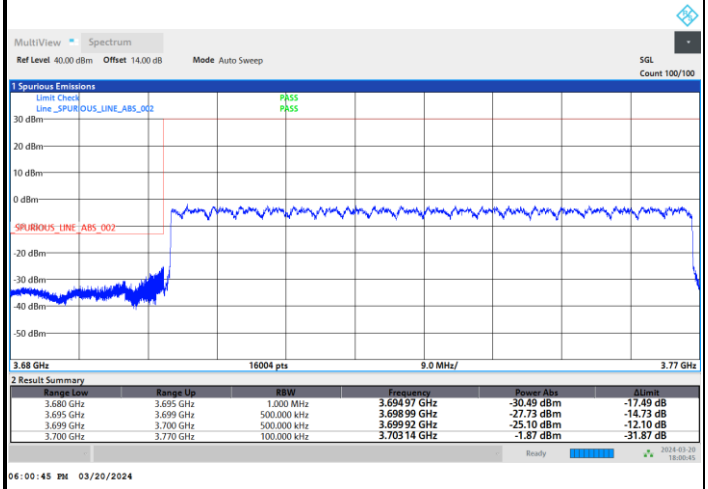
FR1 n77 / 60MHz / CP OFDM / 256QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

FR1 n77 / 70MHz / CP OFDM / QPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

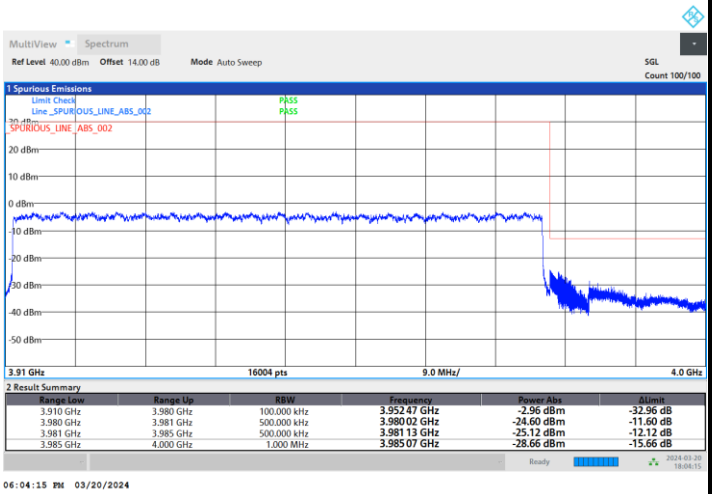
FR1 n77 / 70MHz / CP OFDM / 16QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

FR1 n77 / 70MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

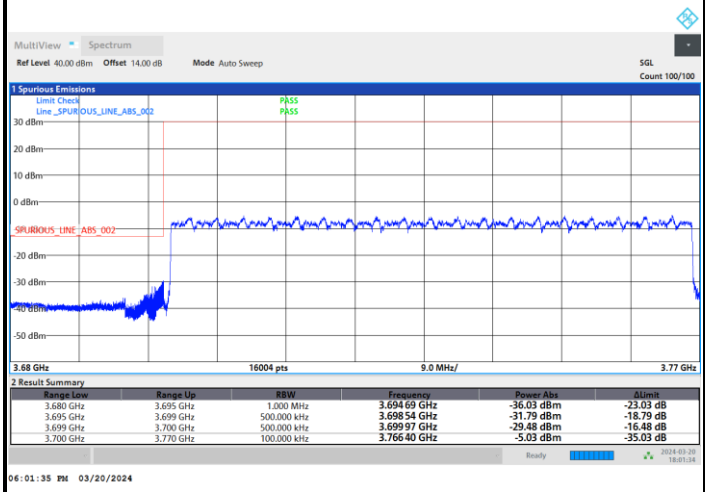


Highest Band Edge / Full RB

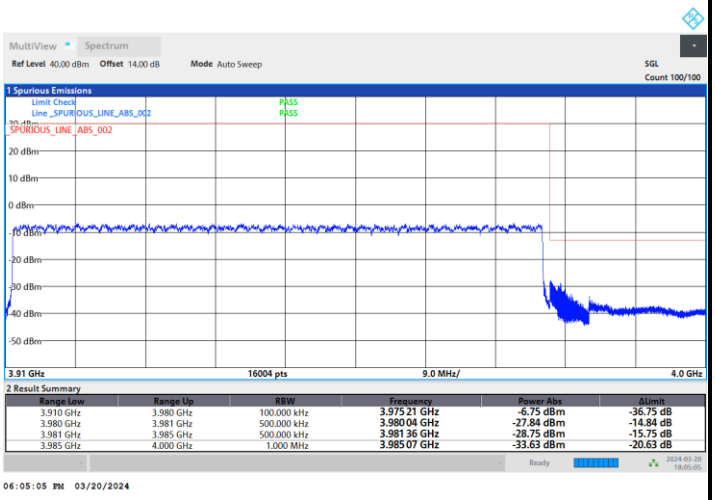


FR1 n77 / 70MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB

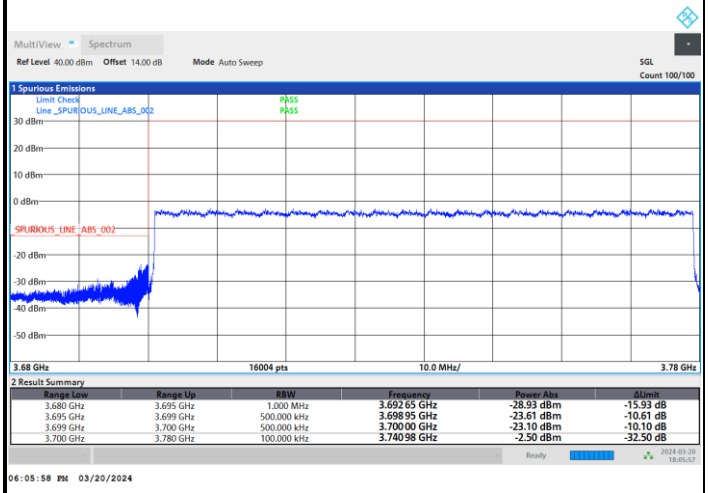


Highest Band Edge / Full RB

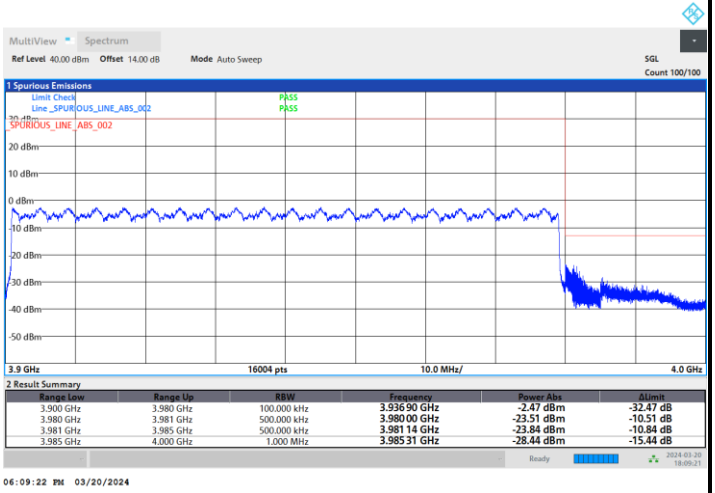


FR1 n77 / 80MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

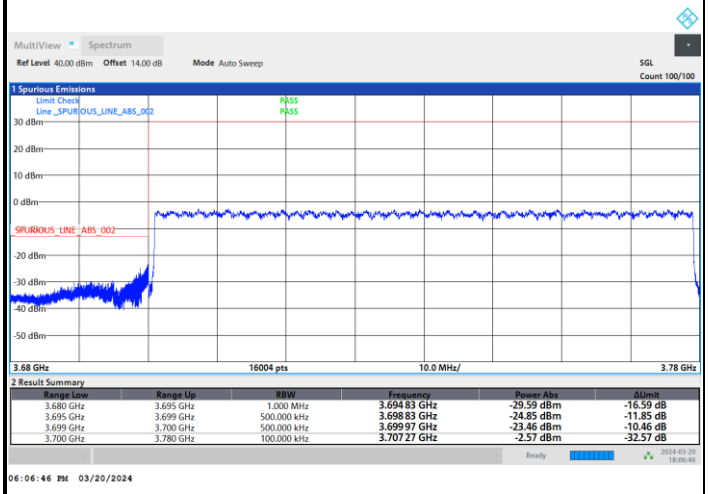


Highest Band Edge / Full RB

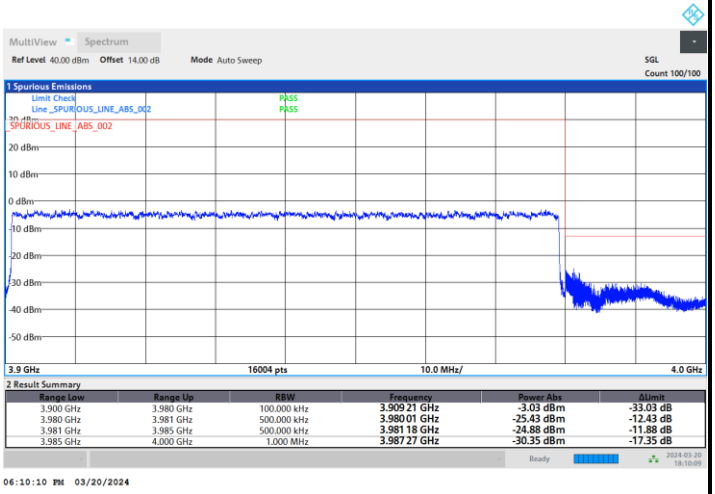


FR1 n77 / 80MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB

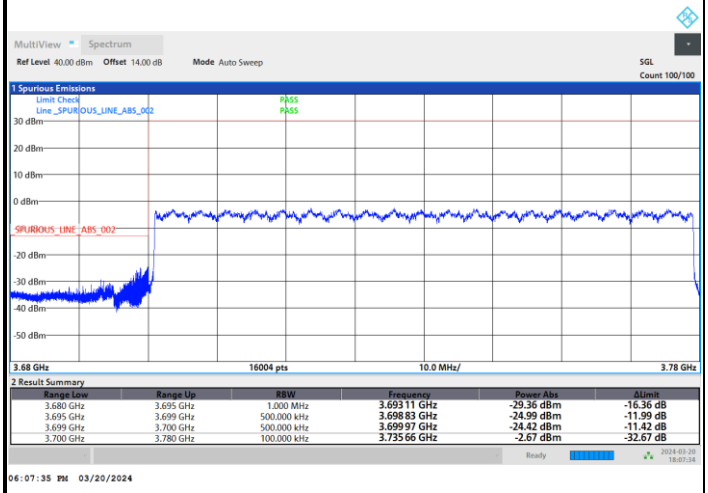


Highest Band Edge / Full RB

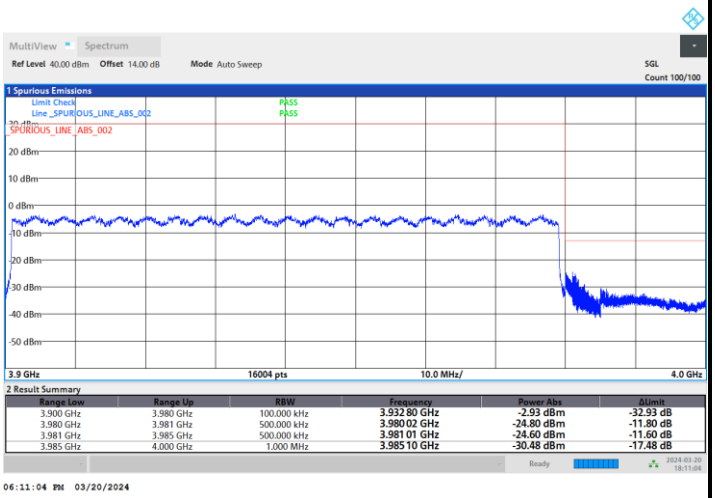


FR1 n77 / 80MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

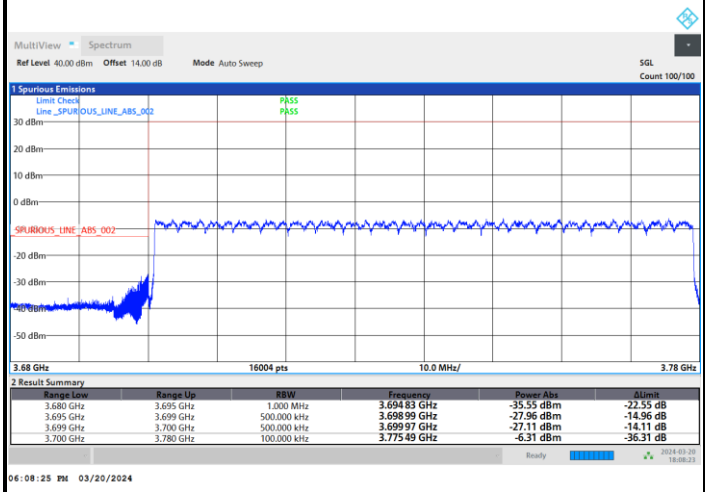


Highest Band Edge / Full RB

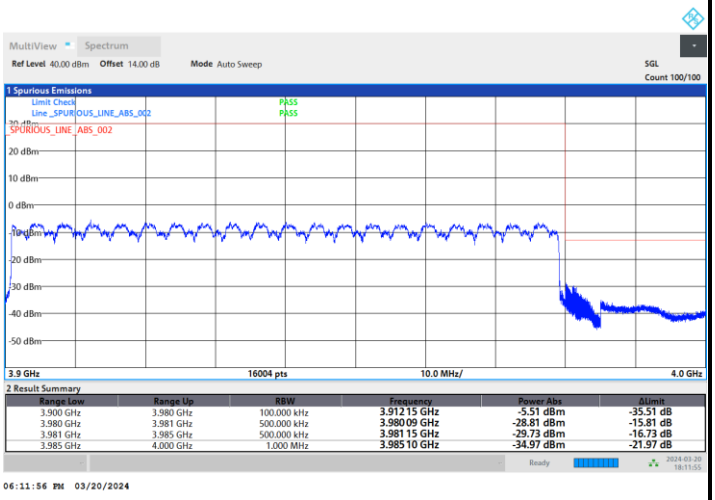


FR1 n77 / 80MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB

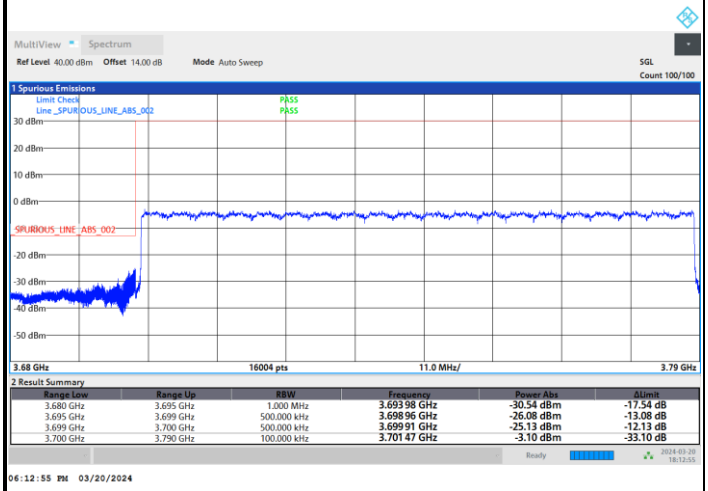


Highest Band Edge / Full RB

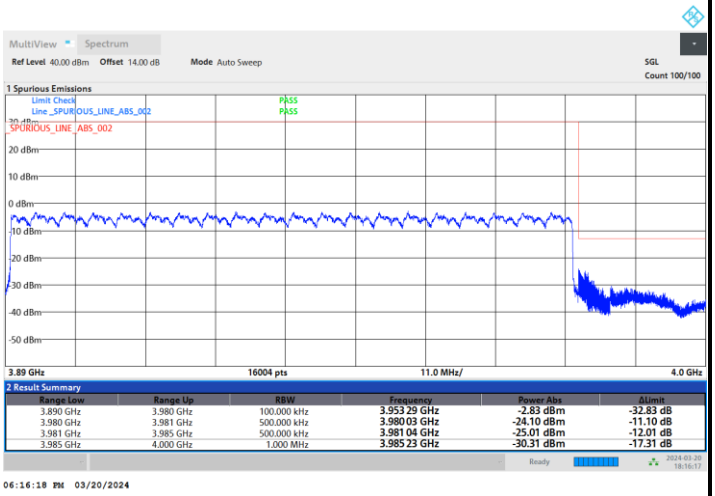


FR1 n77 / 90MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

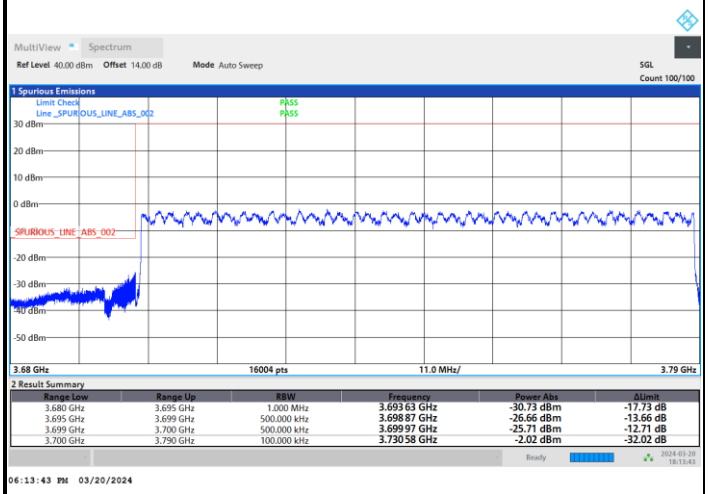


Highest Band Edge / Full RB

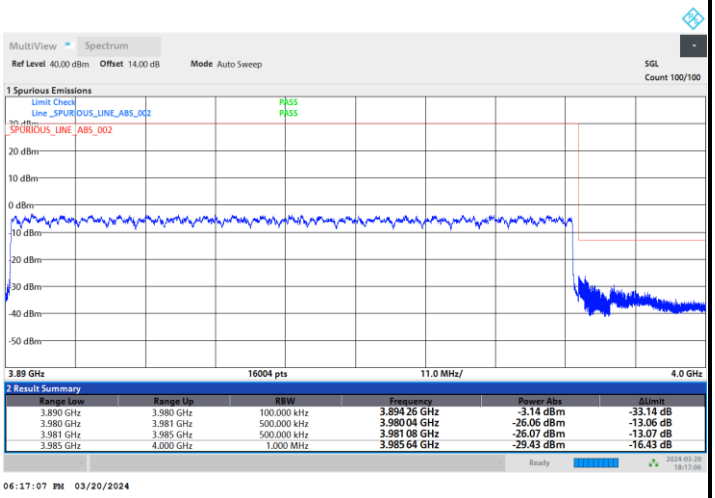


FR1 n77 / 90MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB

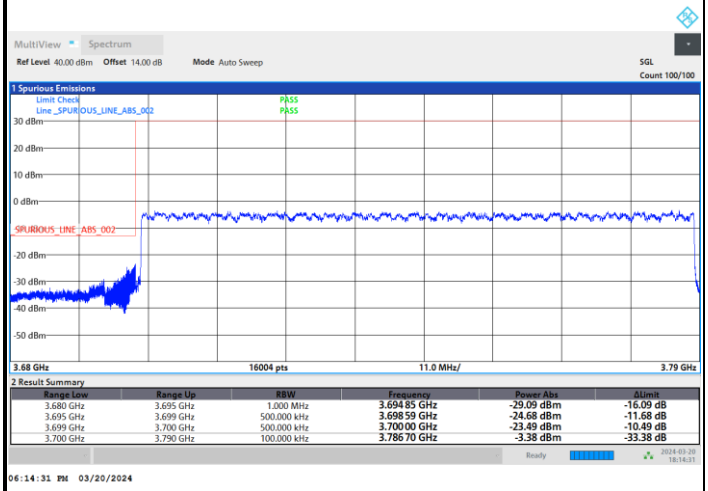


Highest Band Edge / Full RB

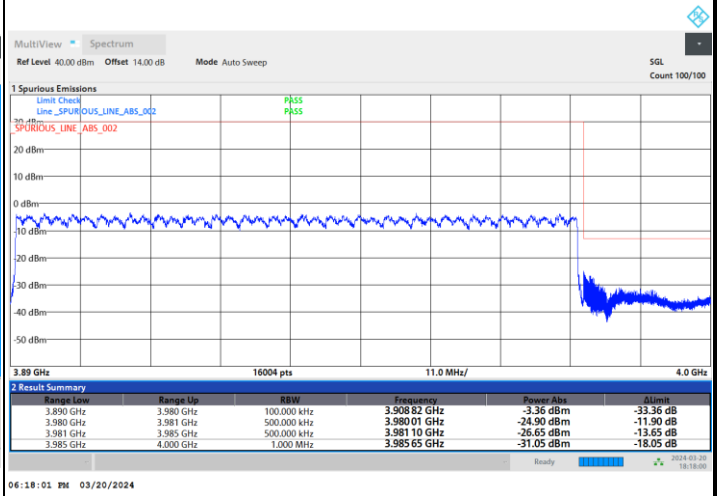


FR1 n77 / 90MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

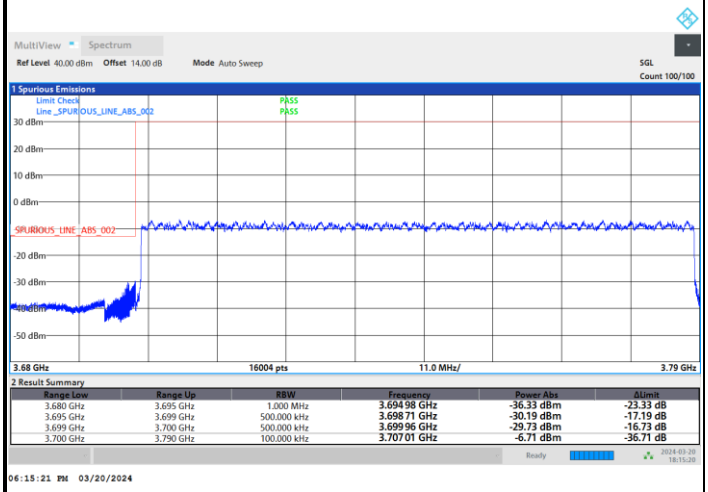


Highest Band Edge / Full RB

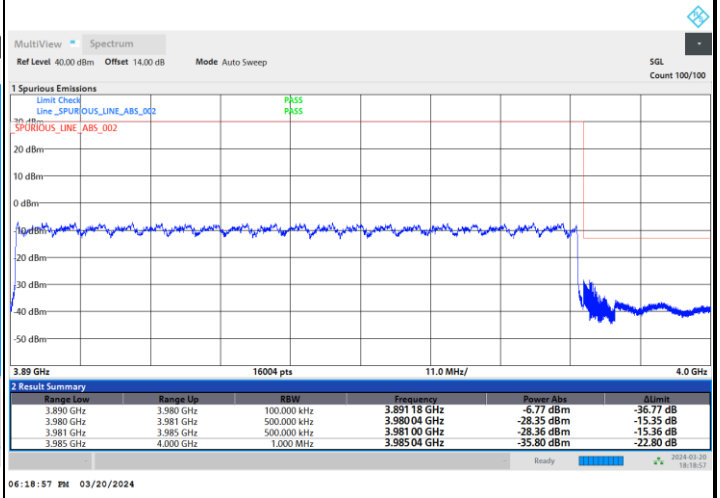


FR1 n77 / 90MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB

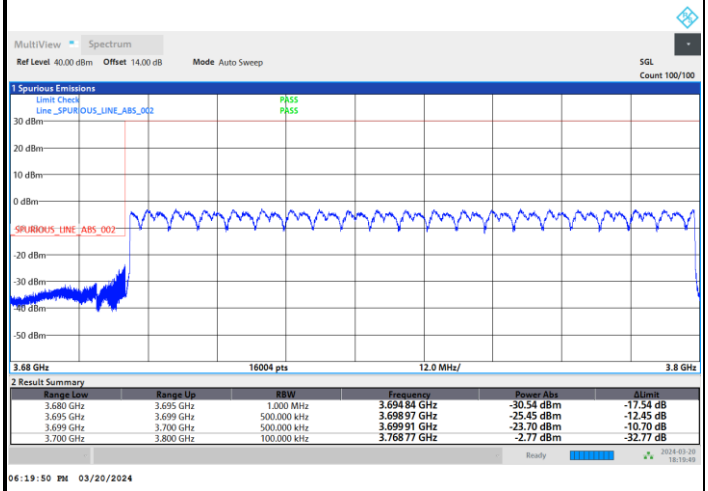


Highest Band Edge / Full RB

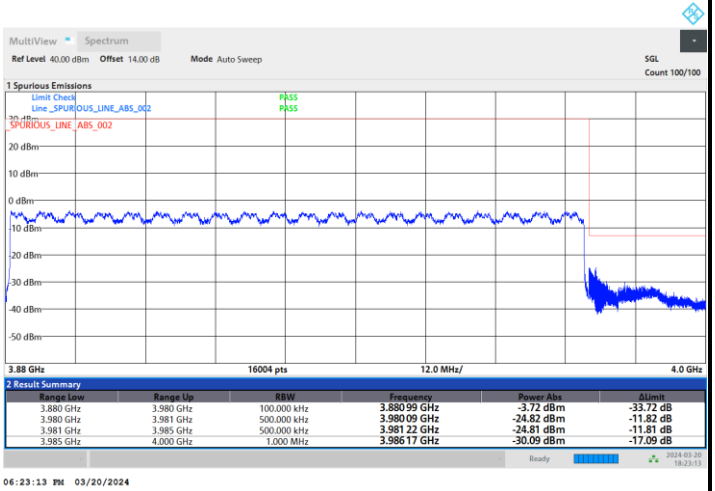


FR1 n77 / 100MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

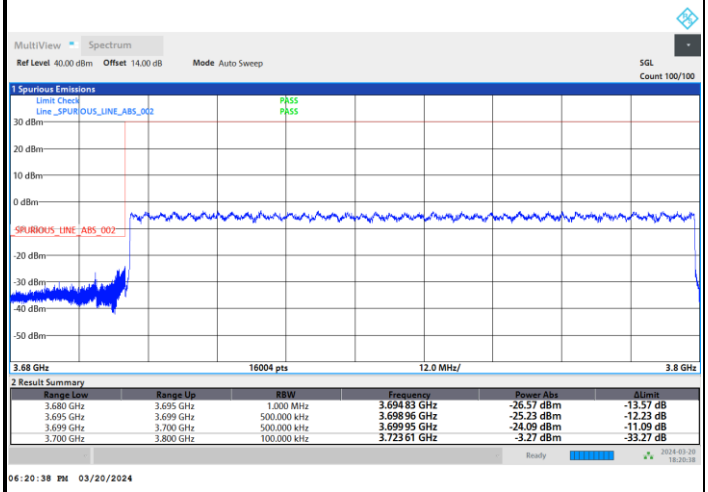


Highest Band Edge / Full RB

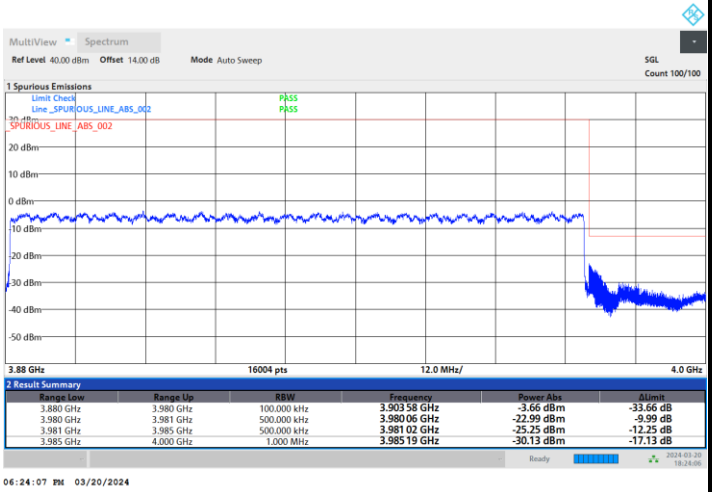


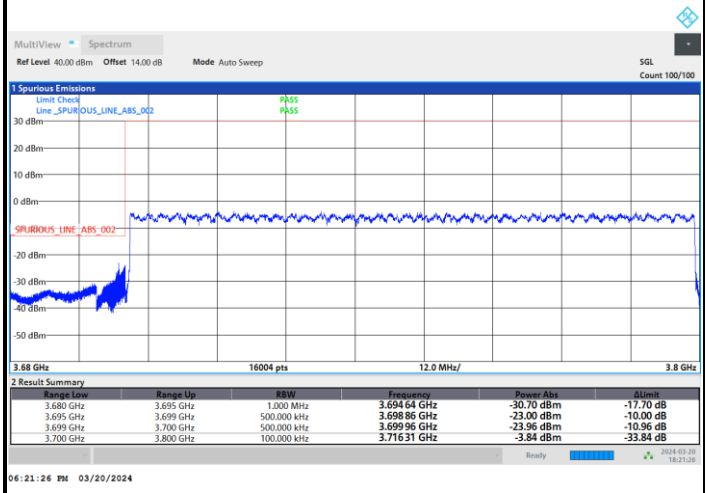
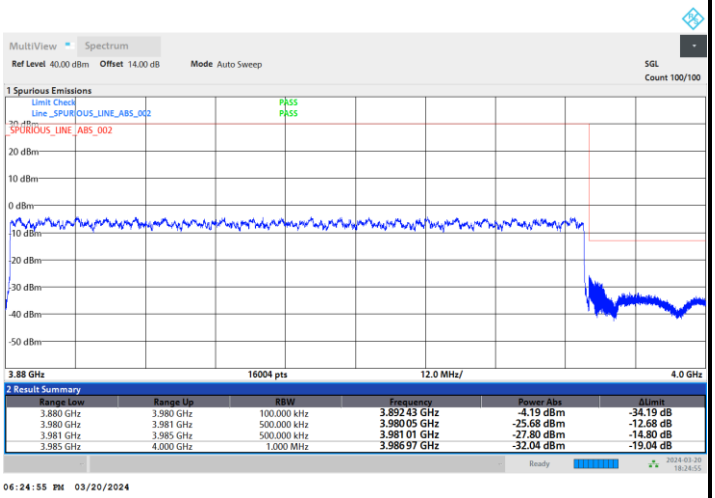
FR1 n77 / 100MHz / CP OFDM / 16QAM

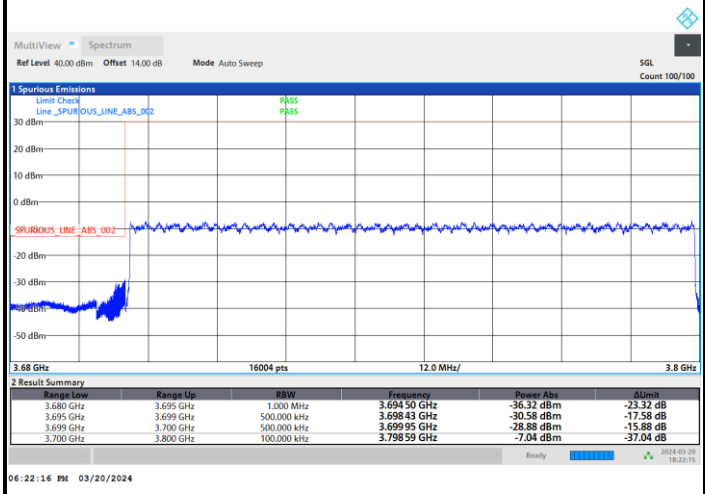
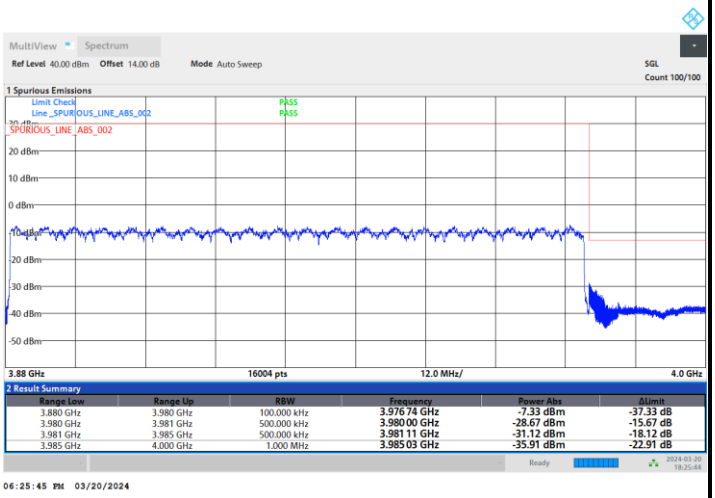
Lowest Band Edge / Full RB



Highest Band Edge / Full RB



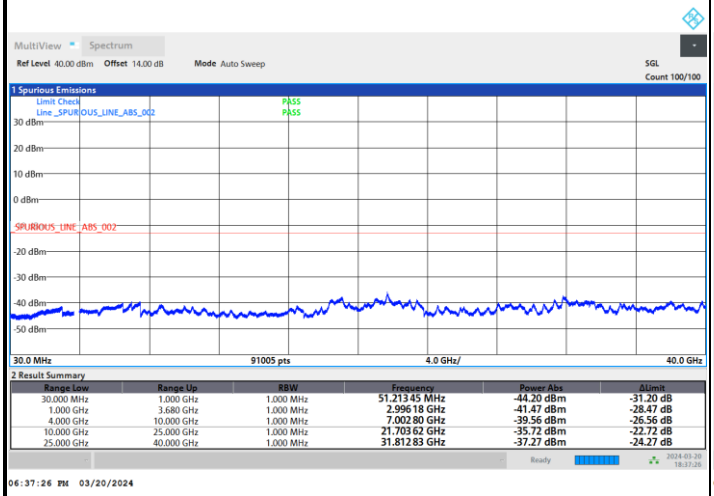
FR1 n77 / 100MHz / CP OFDM / 64QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

FR1 n77 / 100MHz / CP OFDM / 256QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

Conducted Spurious Emission

FR1 n77 / 10MHz / CP OFDM / QPSK / 1RB1

Lowest Channel



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	51.213 45 MHz	-44.20 dBm	-31.20 dB
1.000 GHz	3.680 GHz	1.000 MHz	2.996 18 GHz	-41.47 dBm	-28.47 dB
4.000 GHz	10.000 GHz	1.000 MHz	7.002 80 GHz	-39.56 dBm	-26.56 dB
10.000 GHz	25.000 GHz	1.000 MHz	21.703 62 GHz	-35.72 dBm	-22.72 dB
25.000 GHz	40.000 GHz	1.000 MHz	31.812 83 GHz	-37.27 dBm	-24.27 dB

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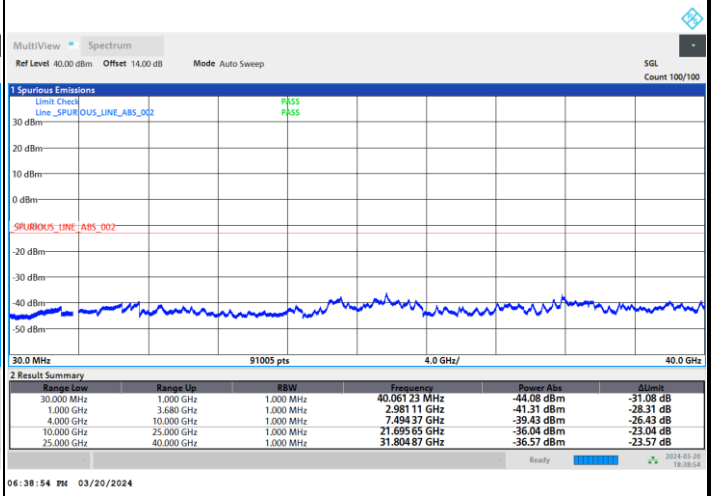
Middle Channel



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	40.061 23 MHz	-44.08 dBm	-31.08 dB
1.000 GHz	3.680 GHz	1.000 MHz	2.981 11 GHz	-41.31 dBm	-28.31 dB
4.000 GHz	10.000 GHz	1.000 MHz	7.494 37 GHz	-39.43 dBm	-26.43 dB
10.000 GHz	25.000 GHz	1.000 MHz	21.695 65 GHz	-36.04 dBm	-23.04 dB
25.000 GHz	40.000 GHz	1.000 MHz	31.804 87 GHz	-36.57 dBm	-23.57 dB

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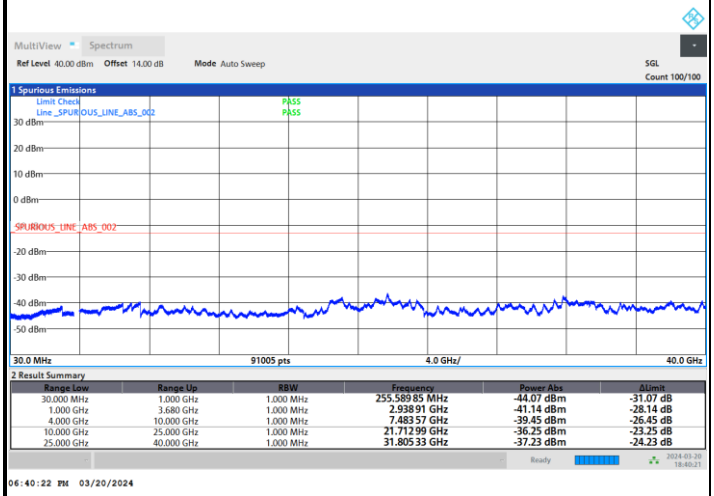
Highest Channel



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	255.589 85 MHz	-44.07 dBm	-31.07 dB
1.000 GHz	3.680 GHz	1.000 MHz	2.938 91 GHz	-41.14 dBm	-28.14 dB
4.000 GHz	10.000 GHz	1.000 MHz	7.483 57 GHz	-39.45 dBm	-26.45 dB
10.000 GHz	25.000 GHz	1.000 MHz	21.712 99 GHz	-36.25 dBm	-23.25 dB
25.000 GHz	40.000 GHz	1.000 MHz	31.805 33 GHz	-37.23 dBm	-24.23 dB

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Frequency Stability

Test Conditions		FR1 n77 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0015	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0029	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0009	
0	Normal Voltage	0.0022	
-10	Normal Voltage	0.0020	
-20	Normal Voltage	0.0009	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0009	

Note:

1. Normal Voltage = 3.89 V.；Battery End Point (BEP) = 3.6 V.；Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

FR1 n77_Part27Q

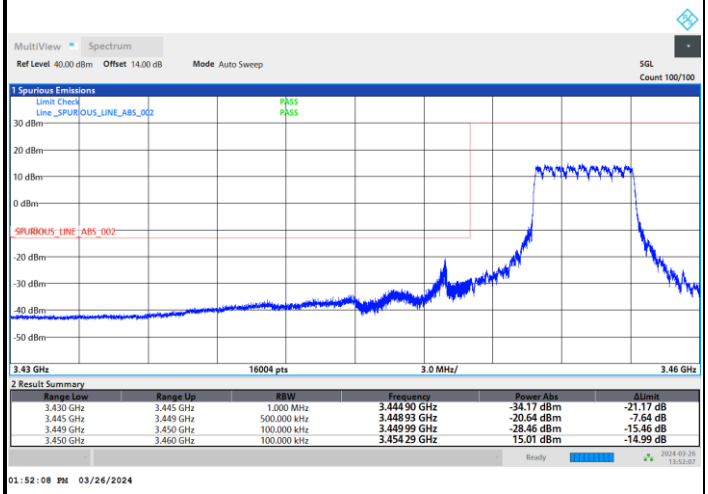
<TxD Mode>

MIMO <Ant. 6+1> (6)

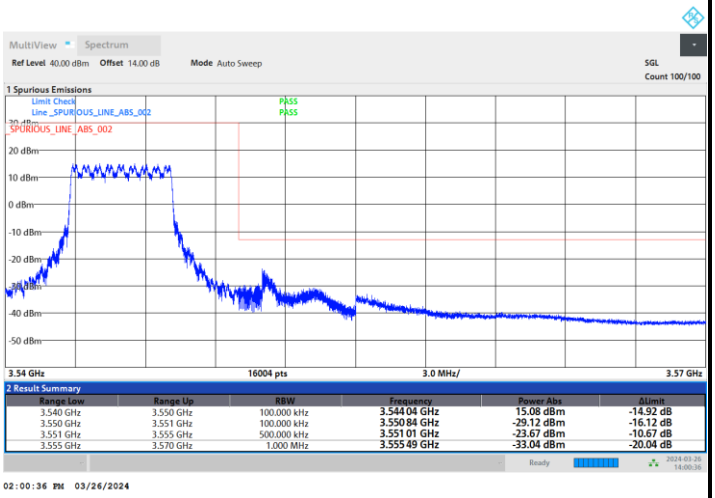
Conducted Band Edge

FR1 n77 / 10MHz / DFT-S OFDM / PI/2 BPSK

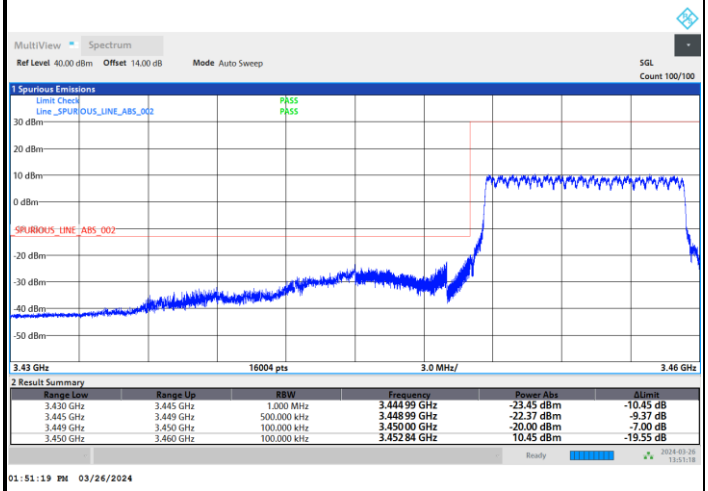
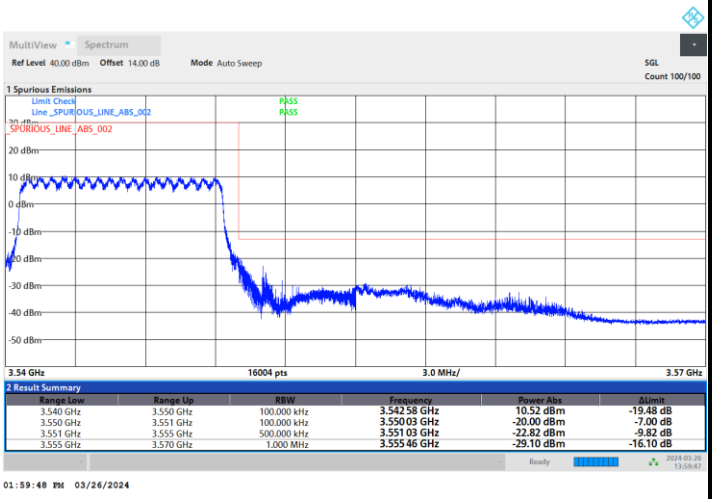
Lowest Band Edge / Inner Full RB



Highest Band Edge / Inner Full RB



Lowest Band Edge / Outter Full RB



Highest Band Edge / Outter Full RB