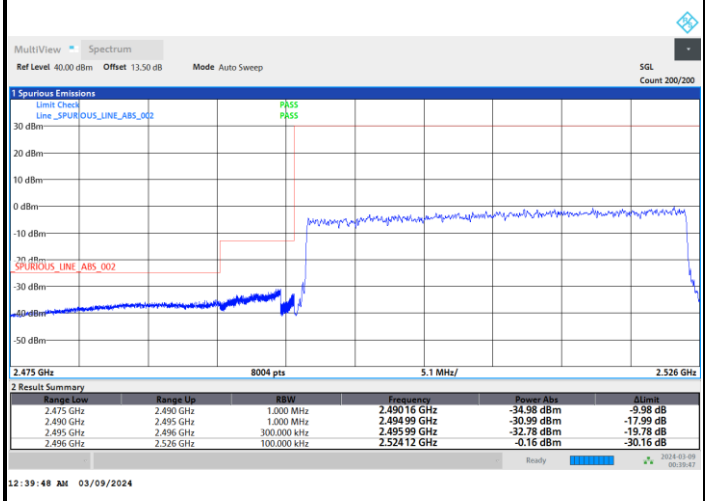
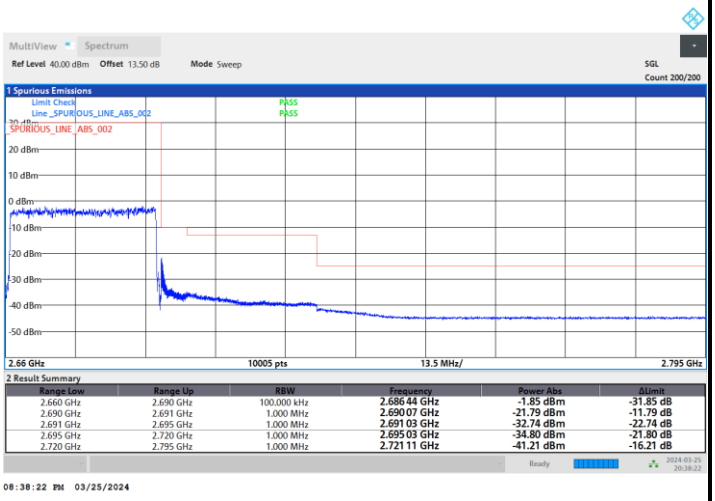
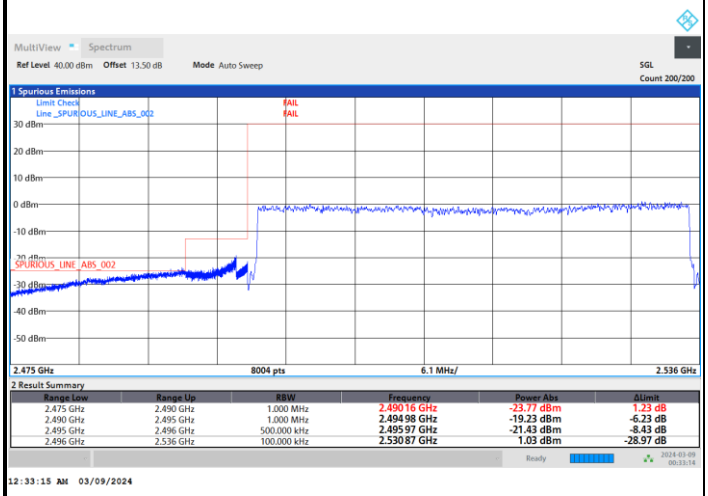
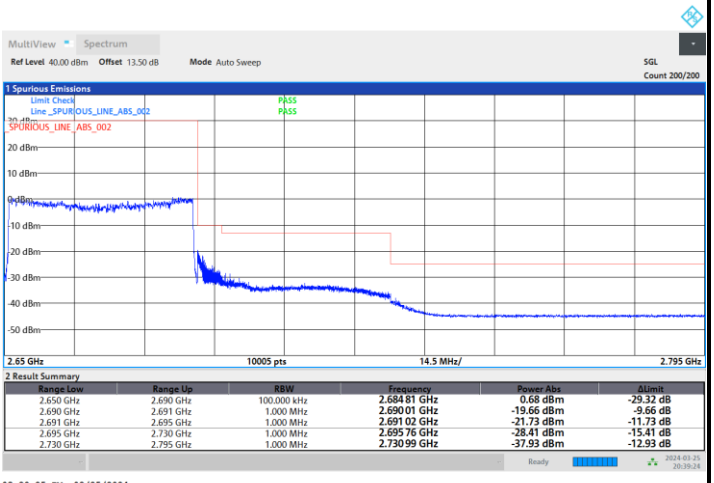
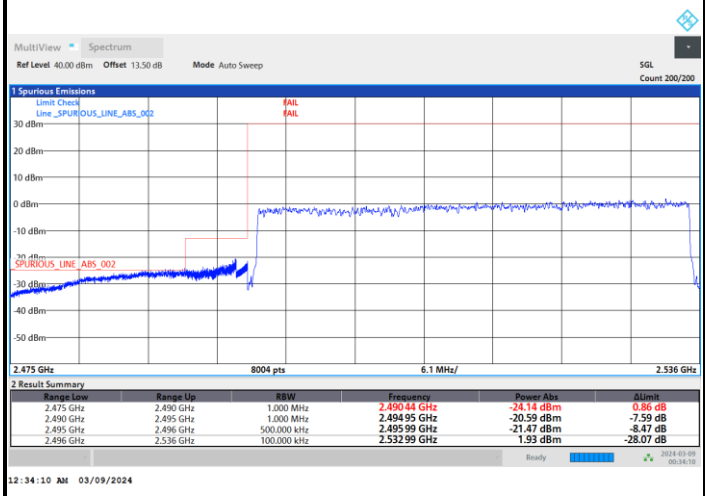
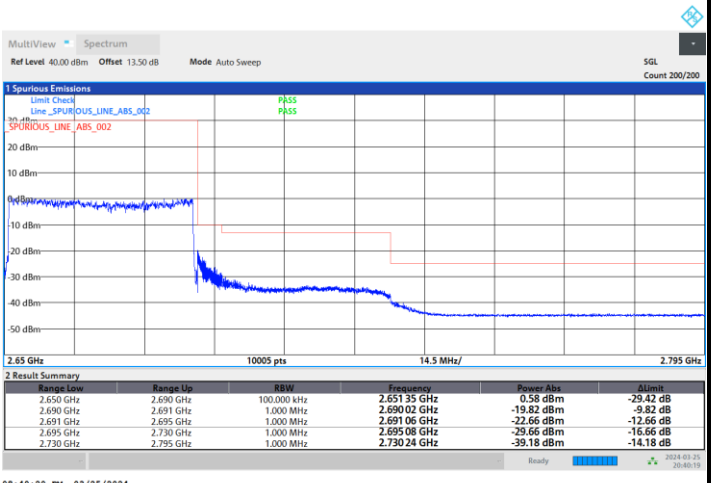
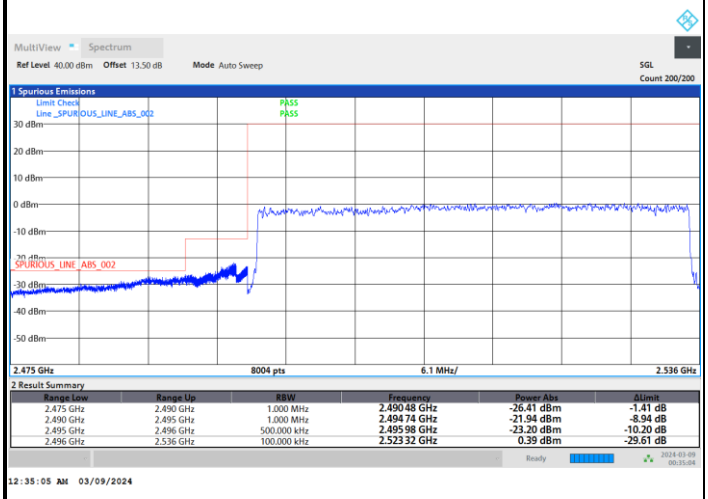
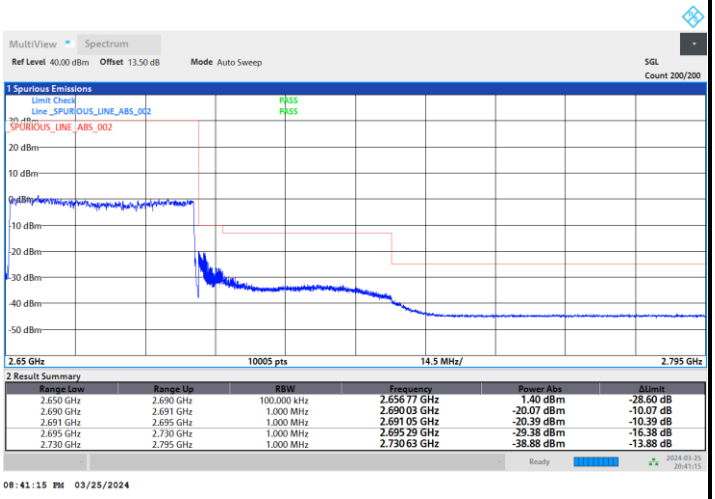
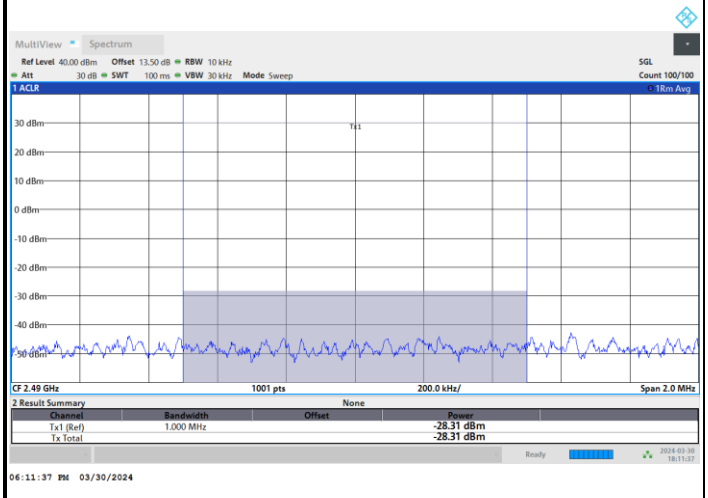
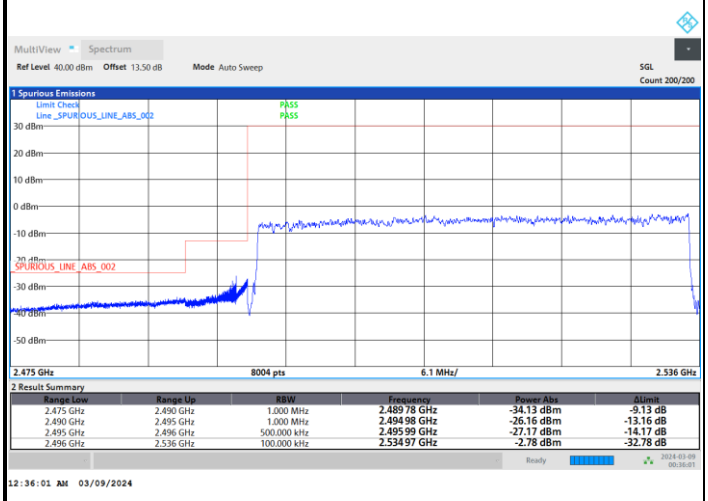
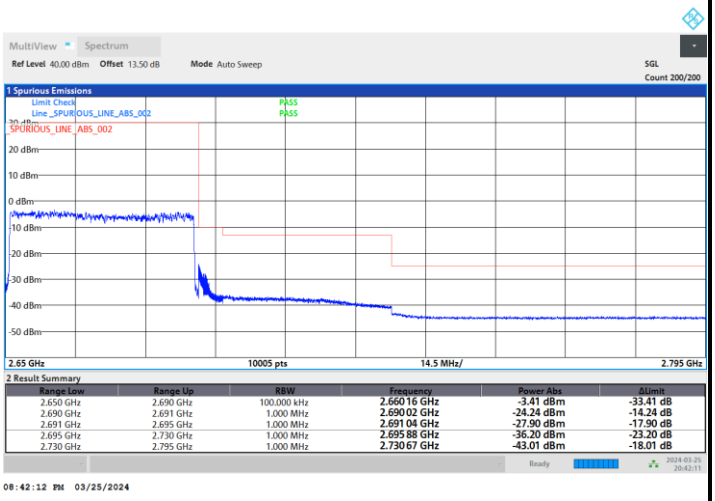
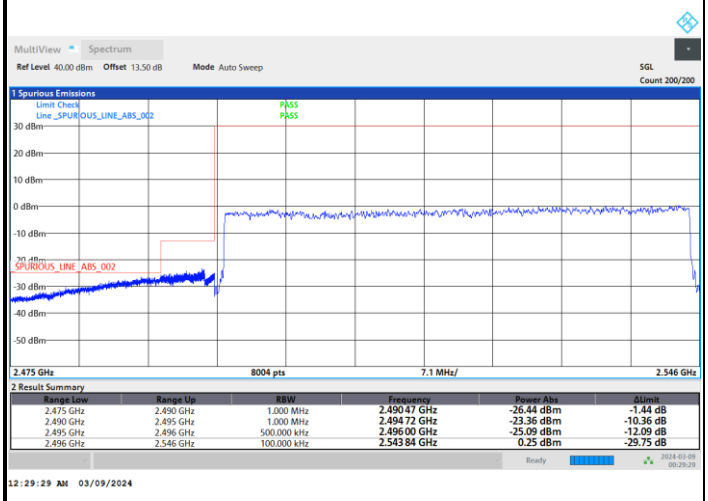
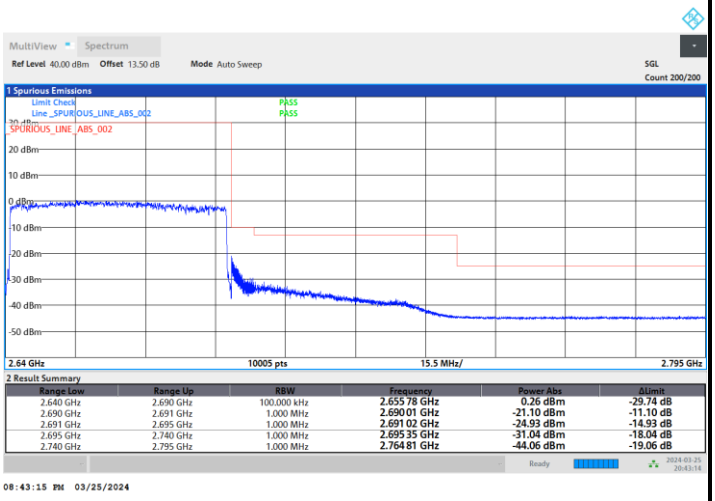
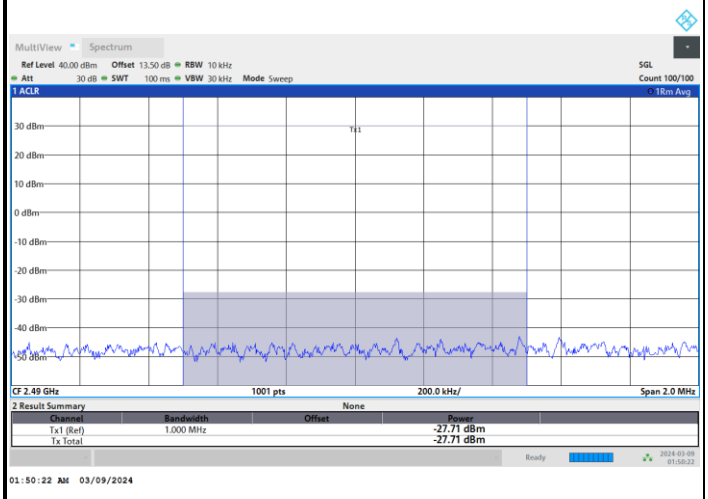
FR1 n41 / 30MHz / CP OFDM / 256QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

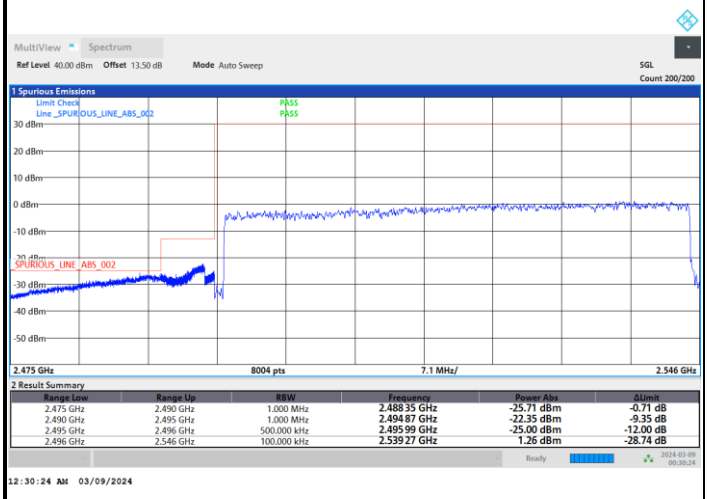
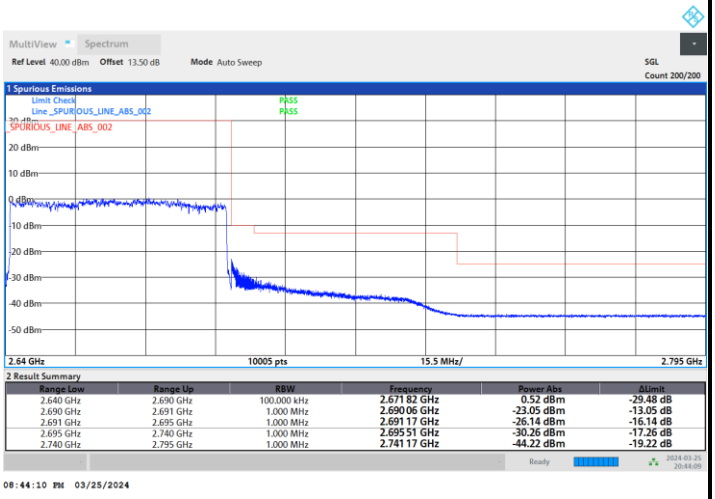
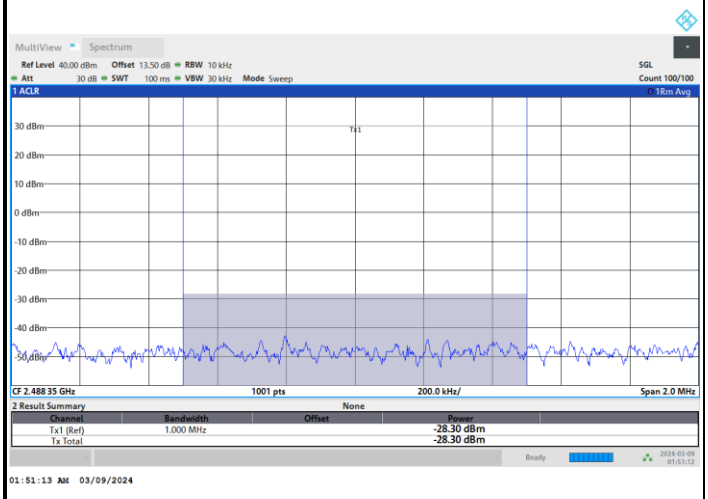
FR1 n41 / 40MHz / CP OFDM / QPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

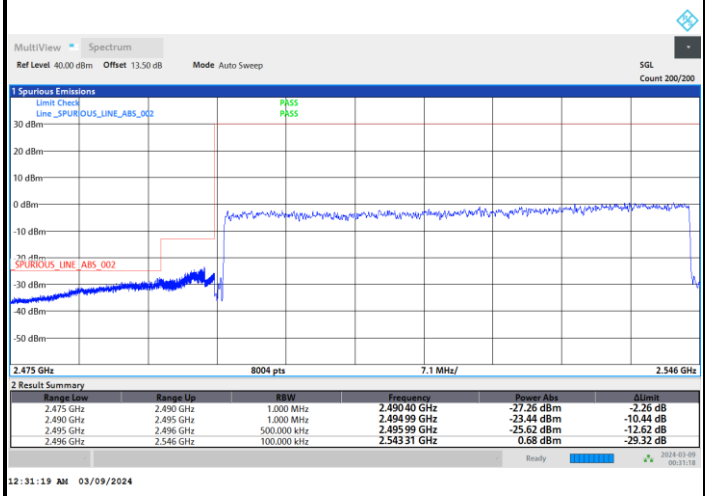
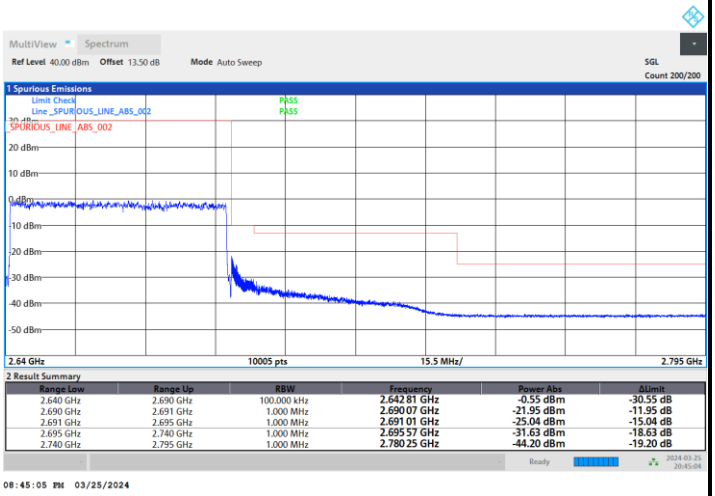
FR1 n41 / 40MHz / CP OFDM / 16QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

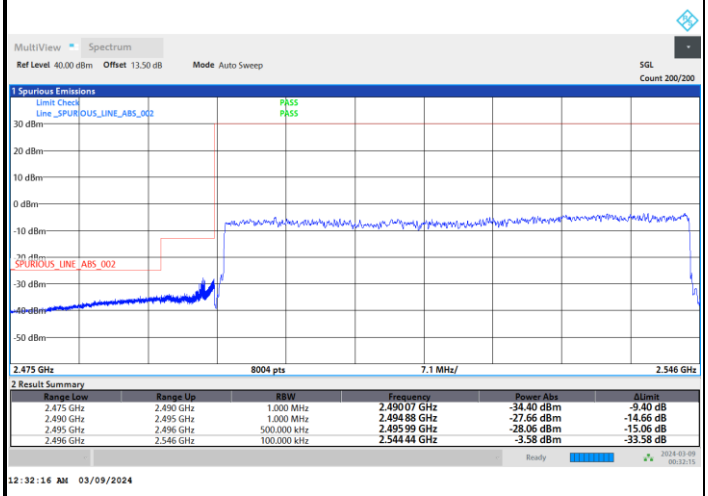
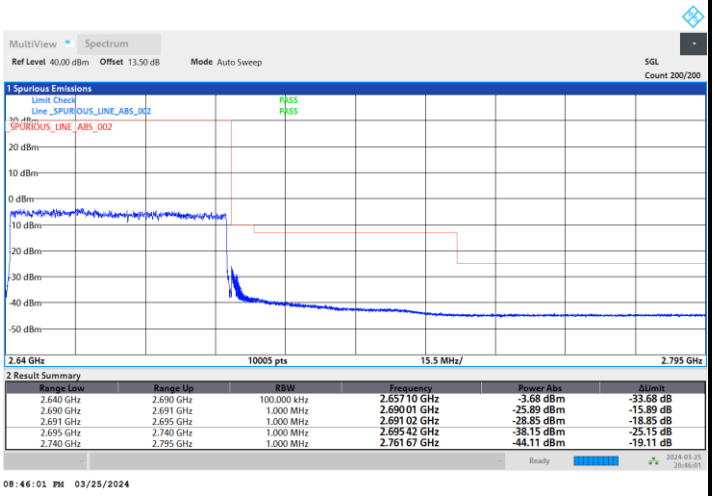
FR1 n41 / 40MHz / CP OFDM / 64QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	
Channel power -25dBm > -28.31dBm (PASS)	
	

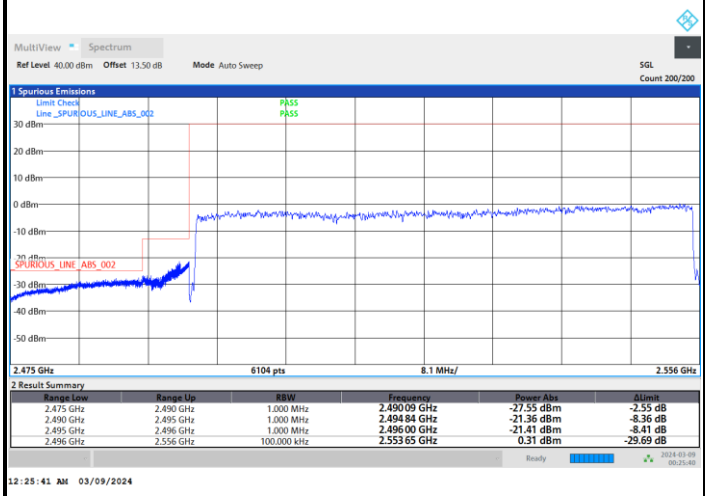
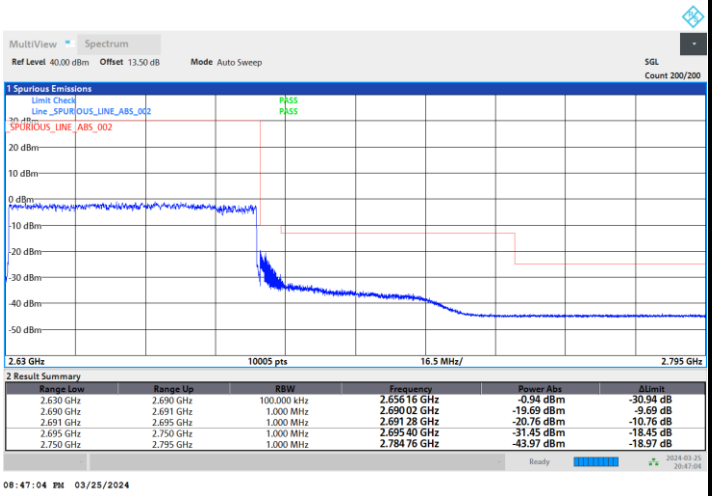
FR1 n41 / 40MHz / CP OFDM / 256QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

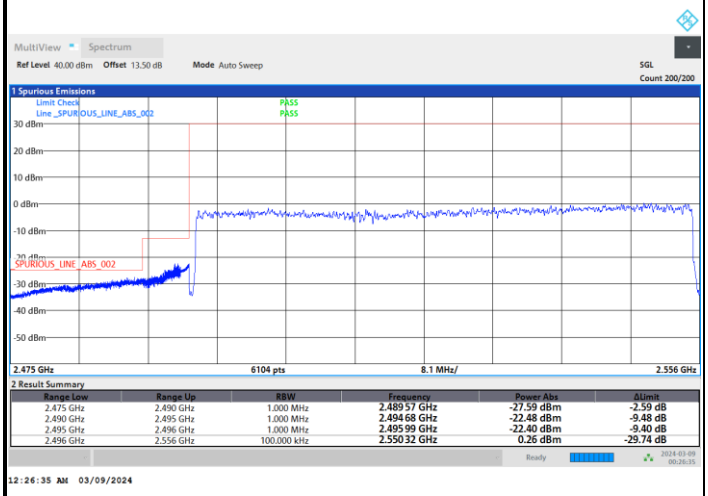
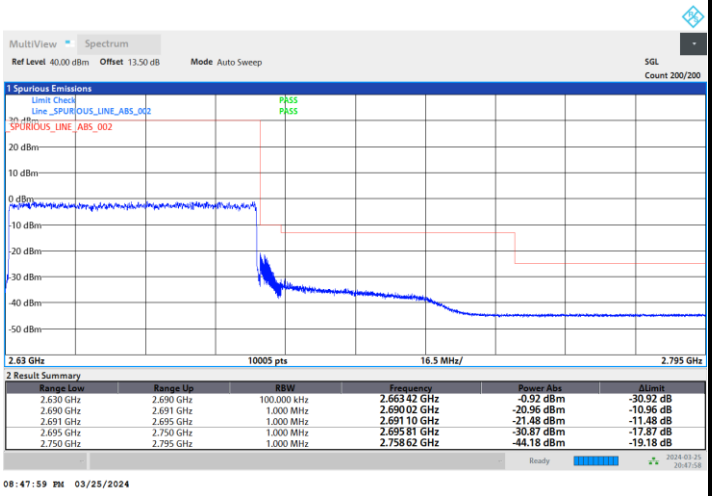
FR1 n41 / 50MHz / CP OFDM / QPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	
Channel power -25dBm > -27.71dBm (PASS)	
	

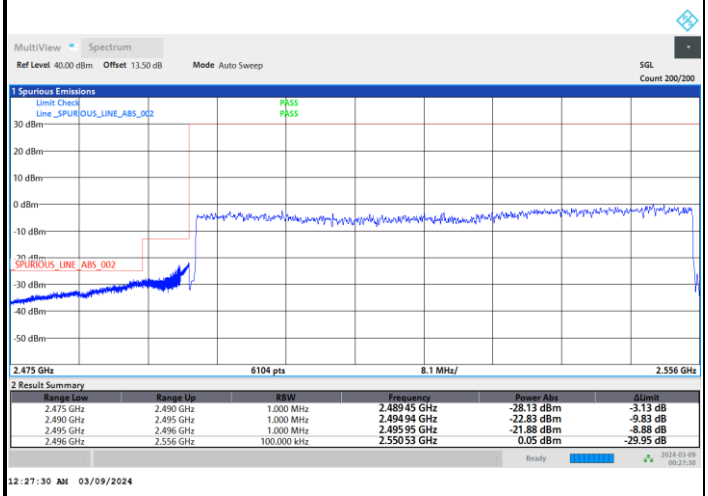
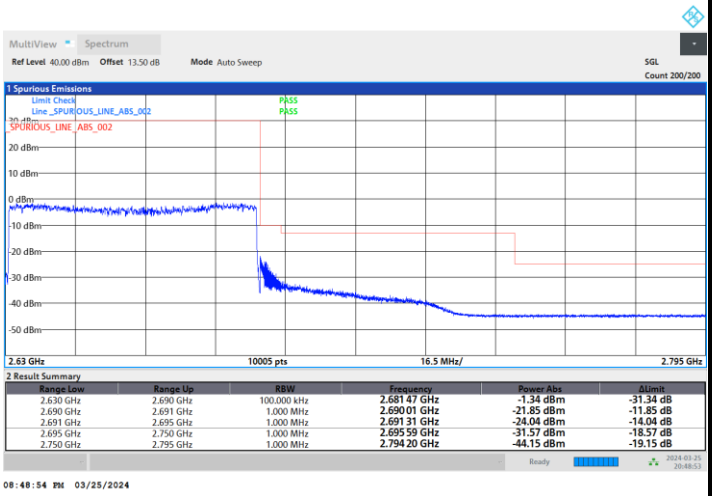
FR1 n41 / 50MHz / CP OFDM / 16QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	
Channel power -25dBm > -28.30dBm (PASS)	
	

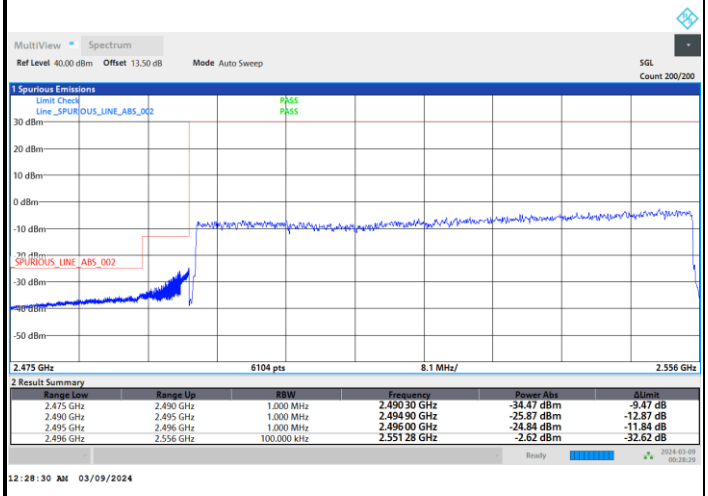
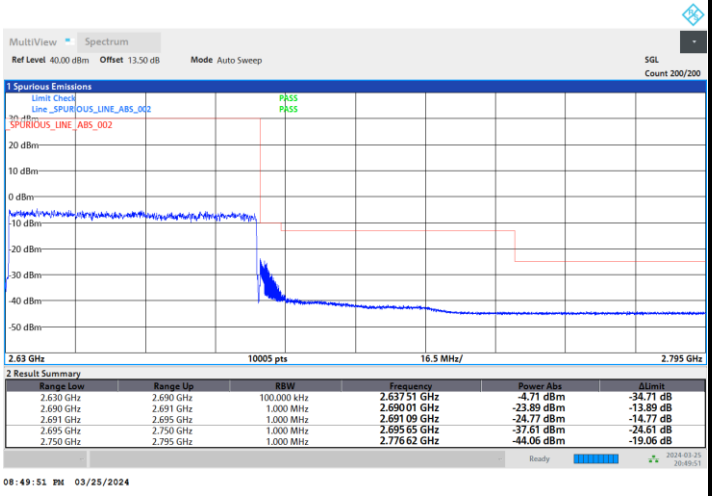
FR1 n41 / 50MHz / CP OFDM / 64QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

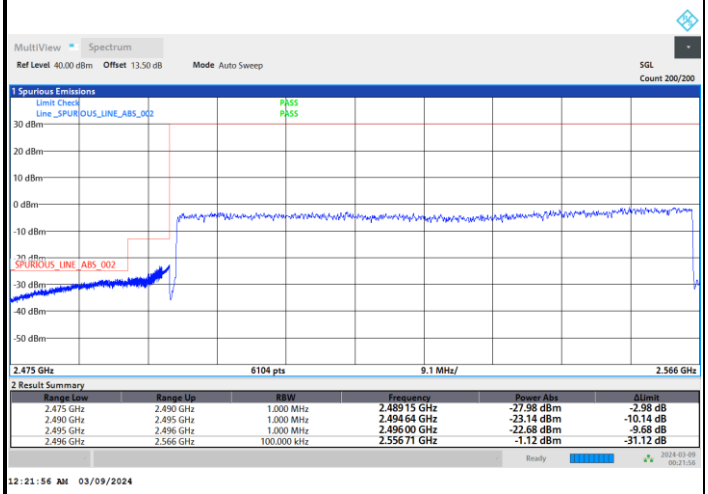
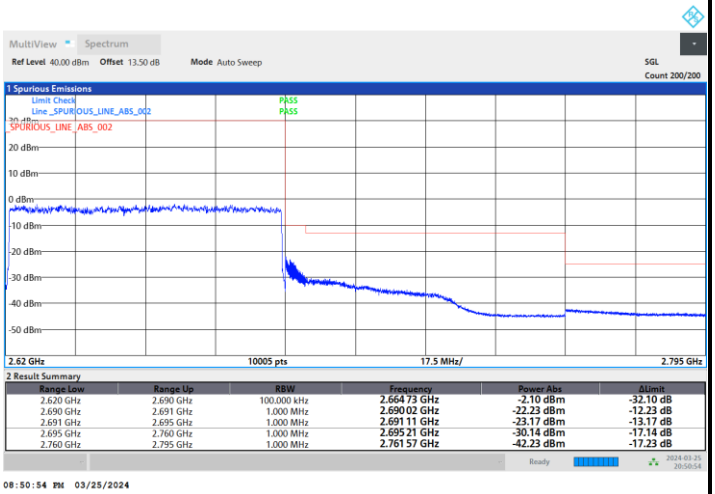
FR1 n41 / 50MHz / CP OFDM / 256QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

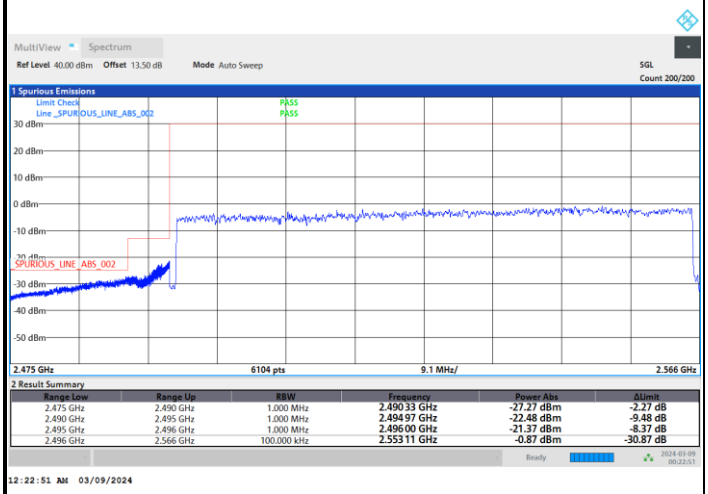
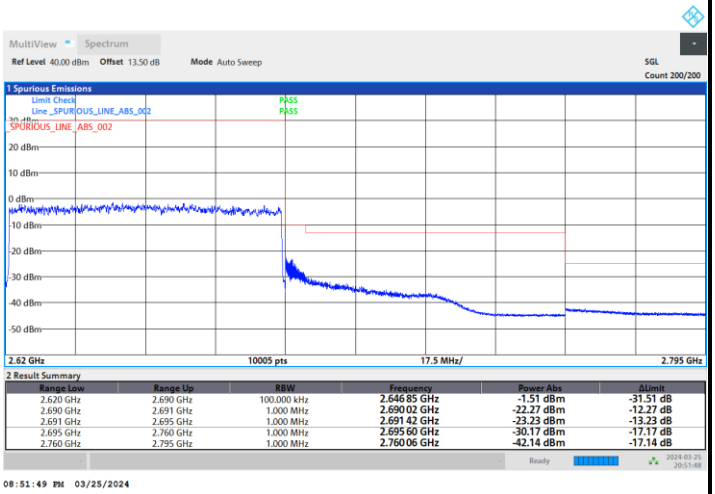
FR1 n41 / 60MHz / CP OFDM / QPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

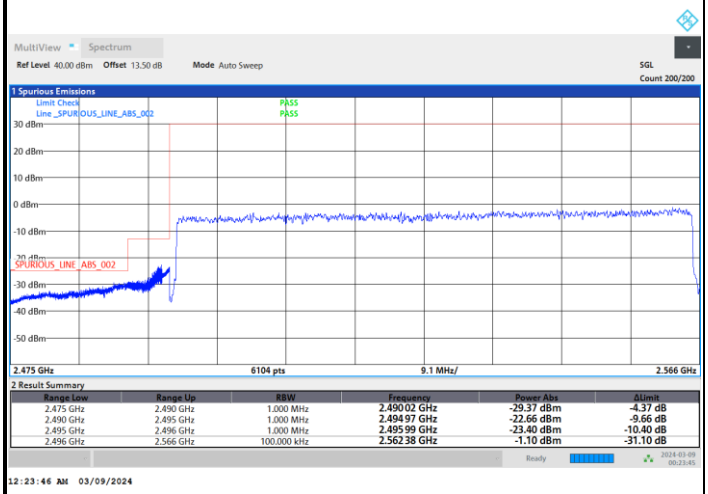
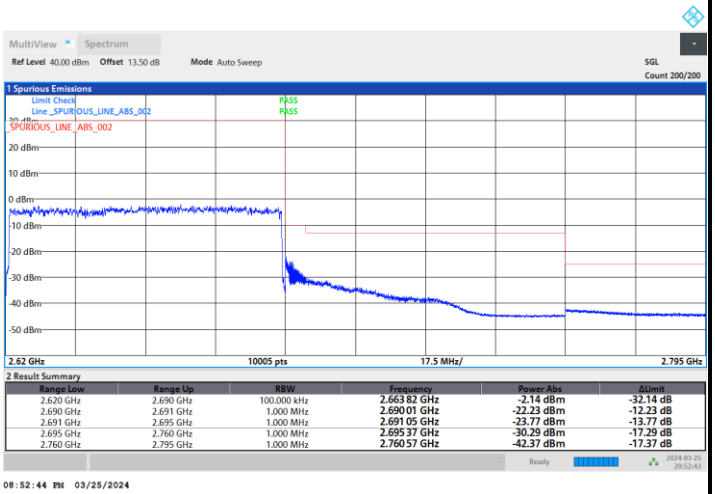
FR1 n41 / 60MHz / CP OFDM / 16QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

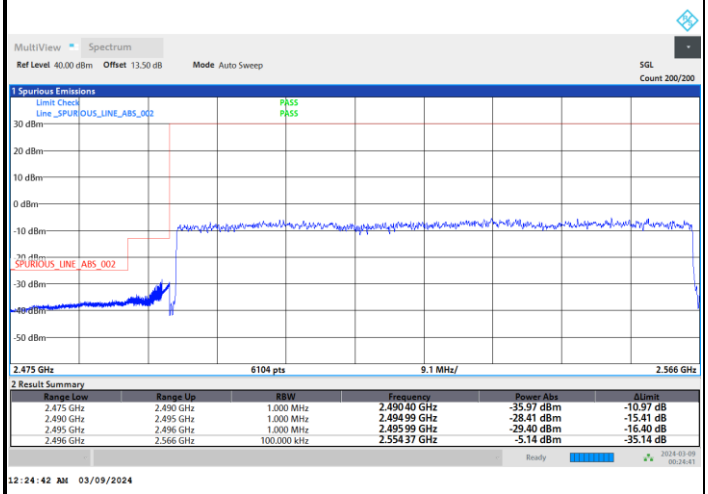
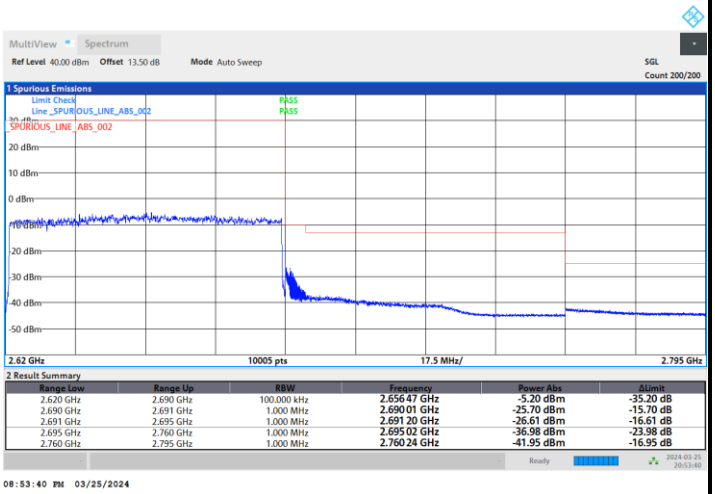
FR1 n41 / 60MHz / CP OFDM / 64QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

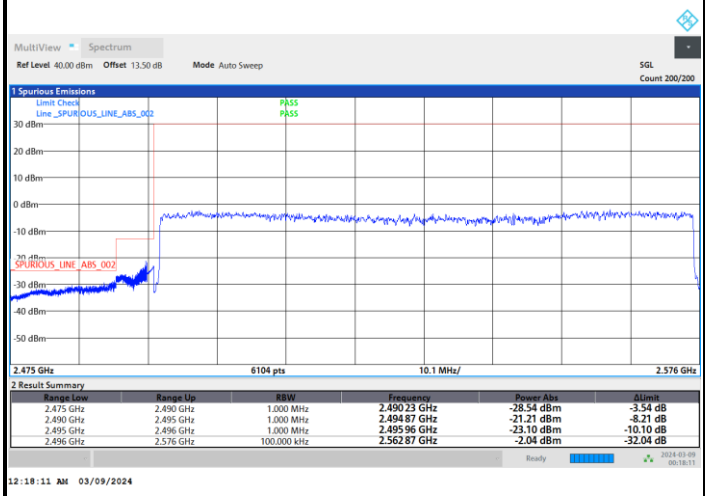
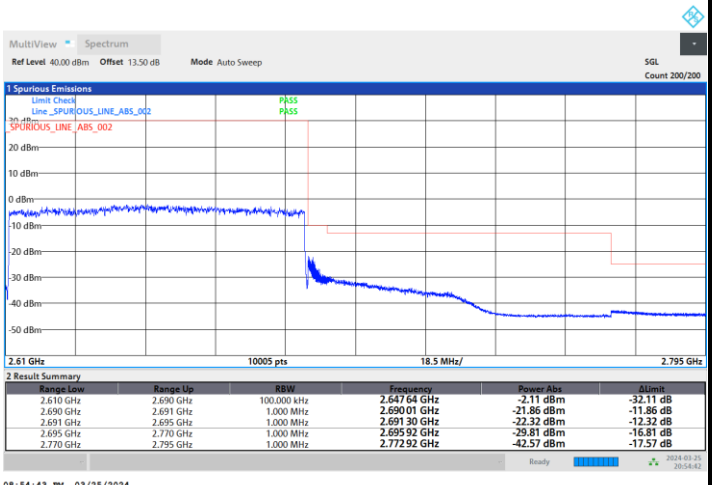
FR1 n41 / 60MHz / CP OFDM / 256QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

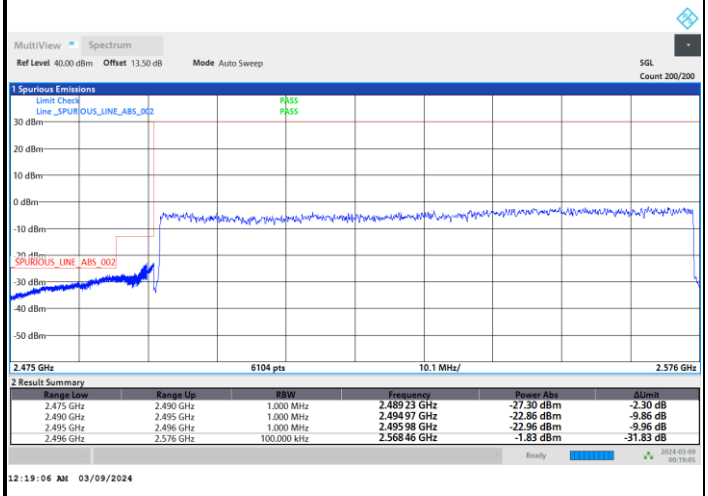
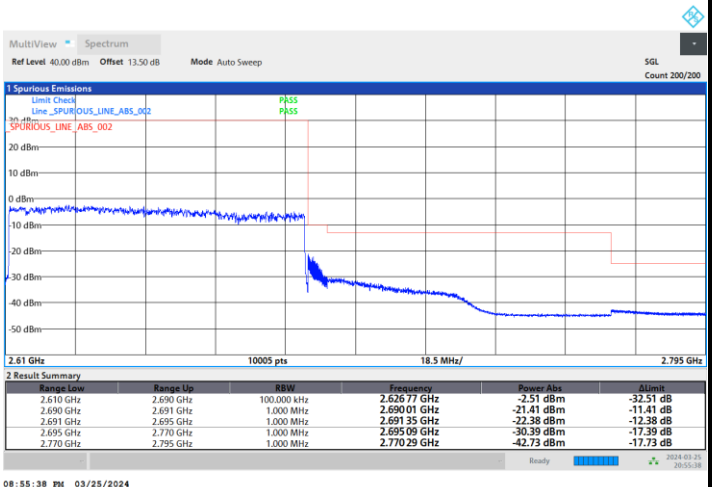
FR1 n41 / 70MHz / CP OFDM / QPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

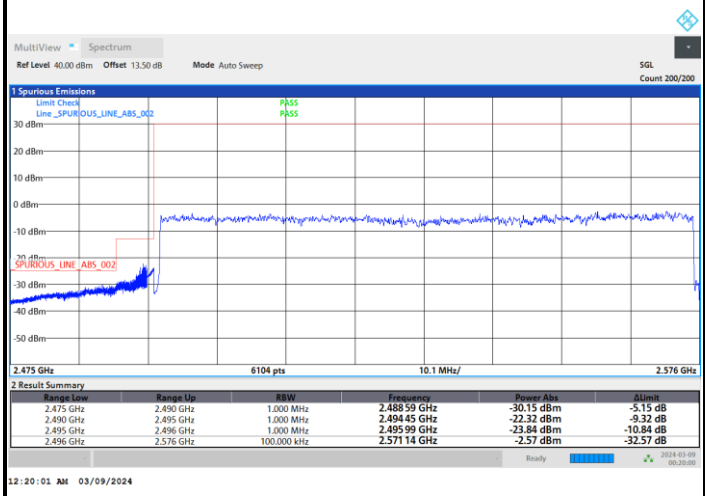
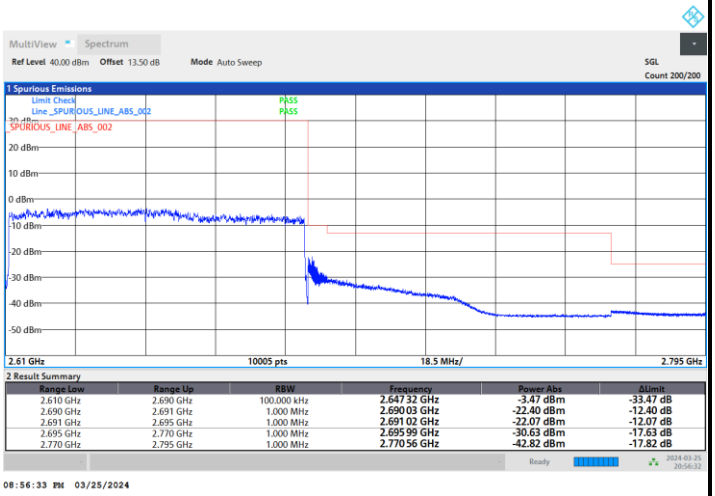
FR1 n41 / 70MHz / CP OFDM / 16QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

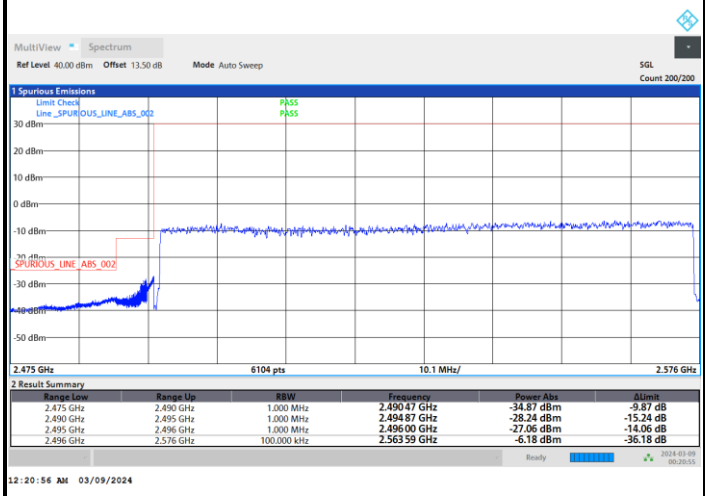
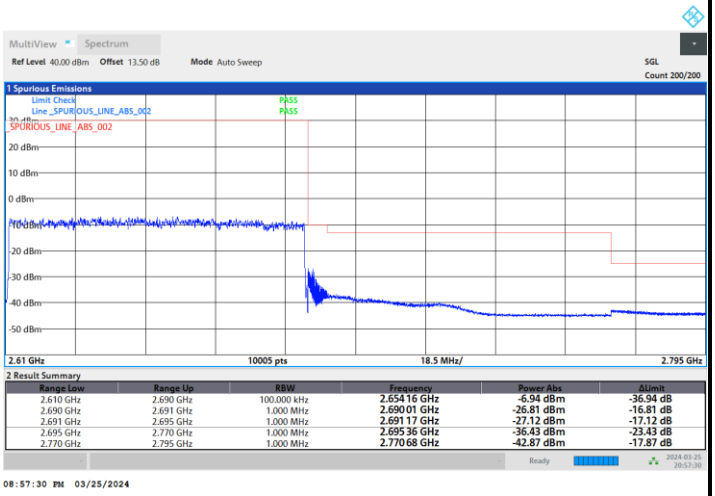
FR1 n41 / 70MHz / CP OFDM / 64QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

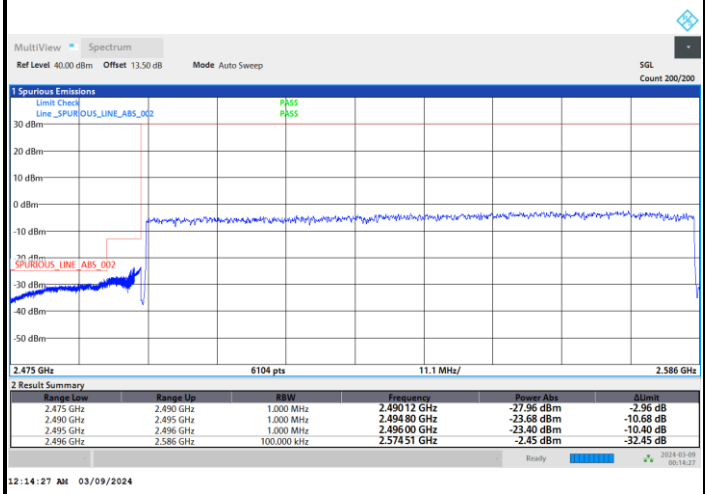
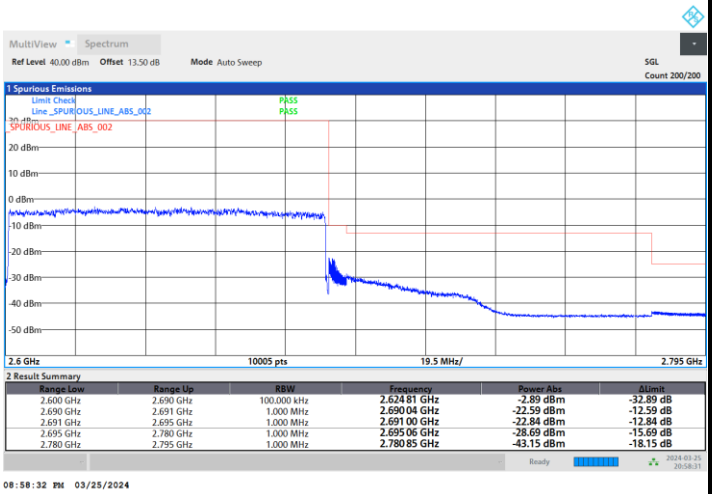
FR1 n41 / 70MHz / CP OFDM / 256QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

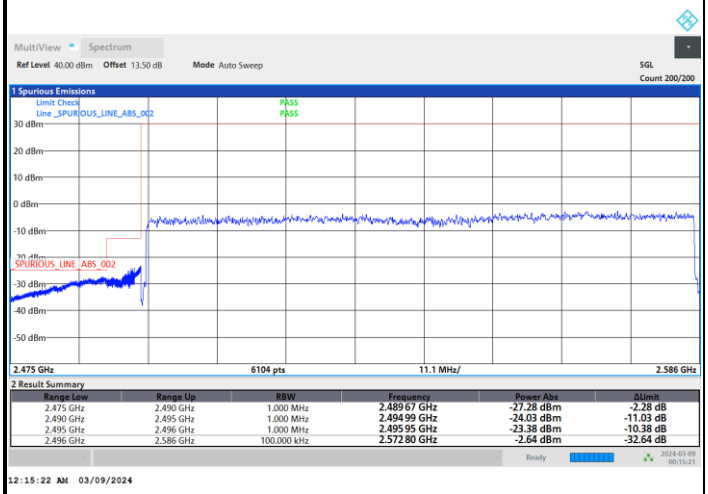
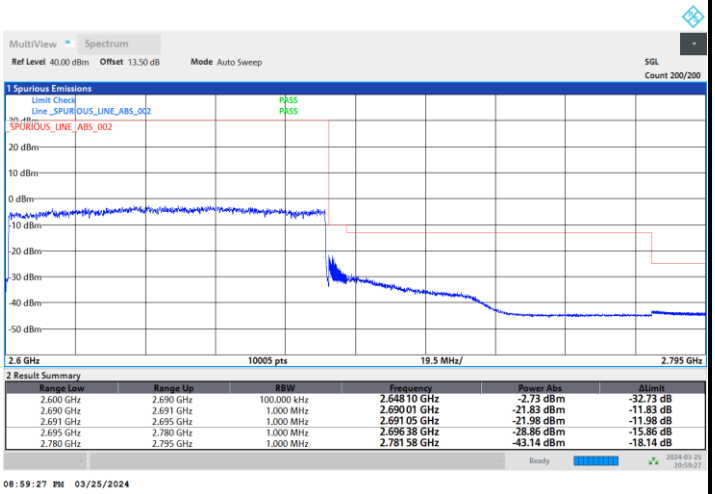
FR1 n41 / 80MHz / CP OFDM / QPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

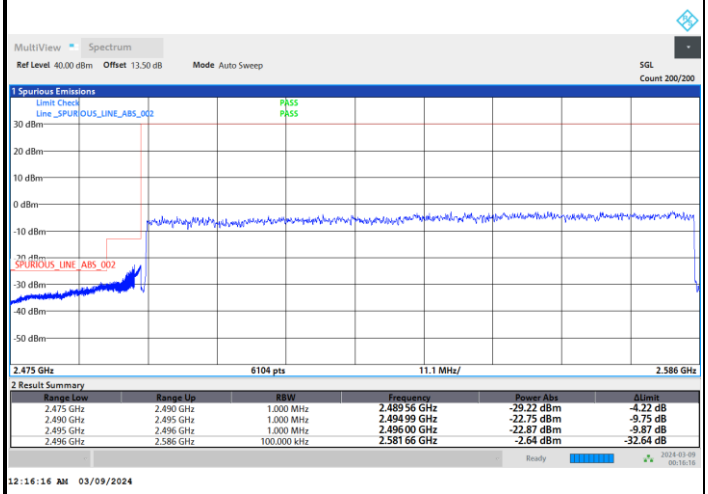
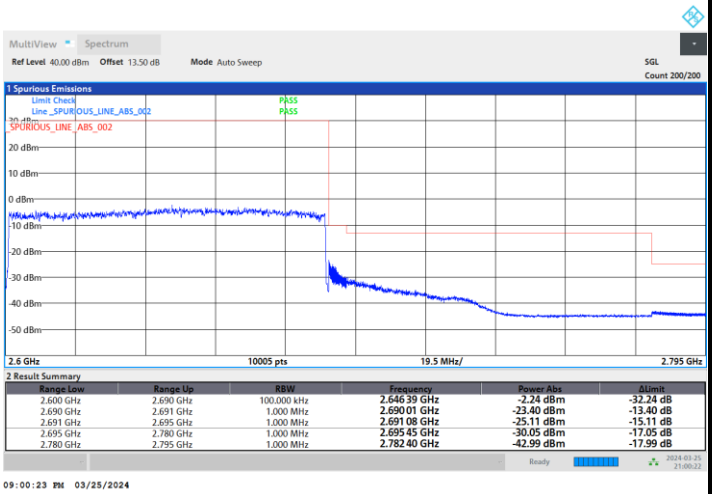
FR1 n41 / 80MHz / CP OFDM / 16QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

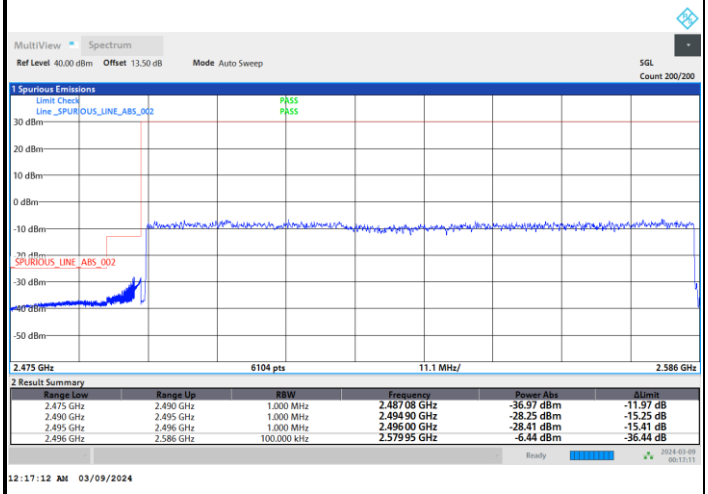
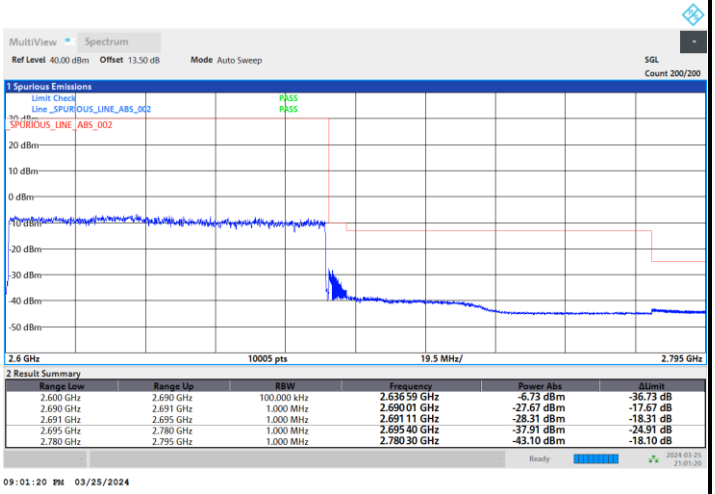
FR1 n41 / 80MHz / CP OFDM / 64QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

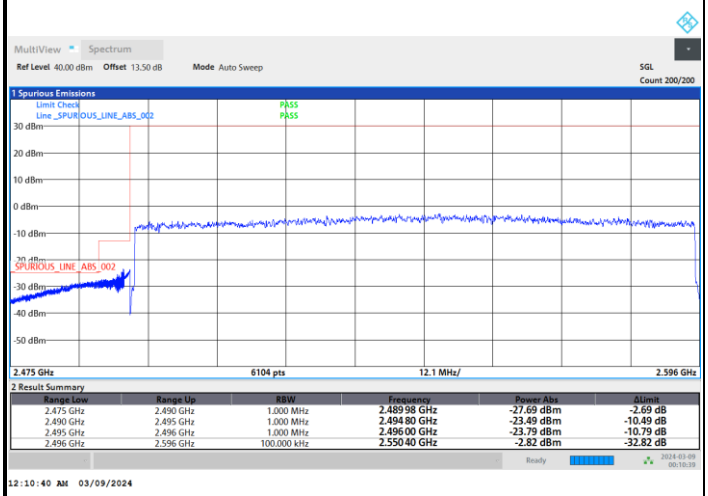
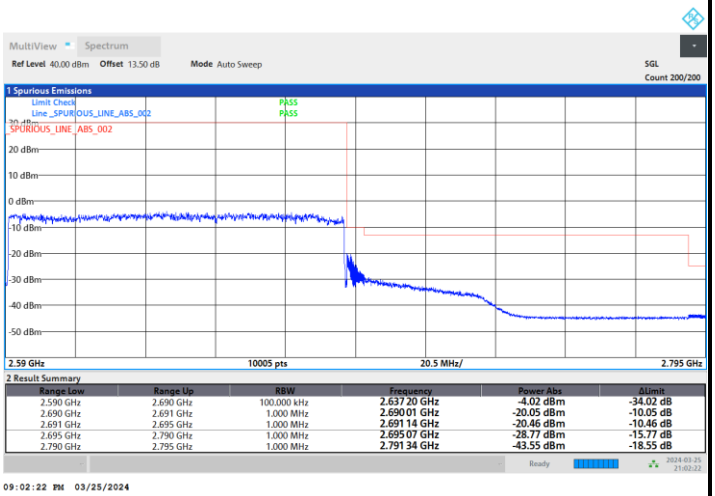
FR1 n41 / 80MHz / CP OFDM / 256QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

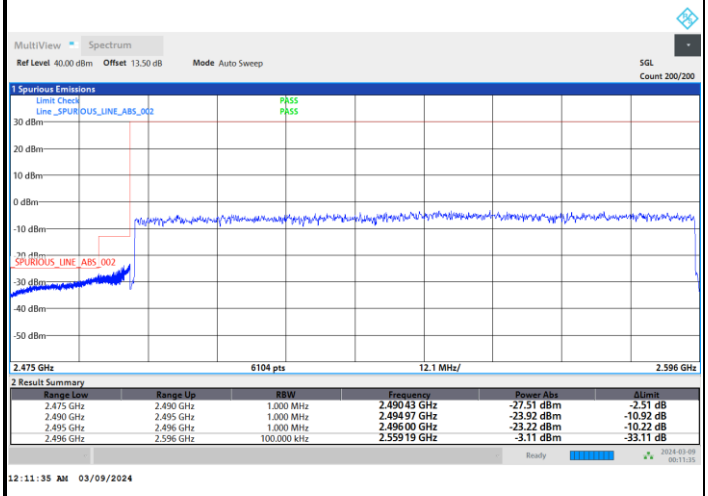
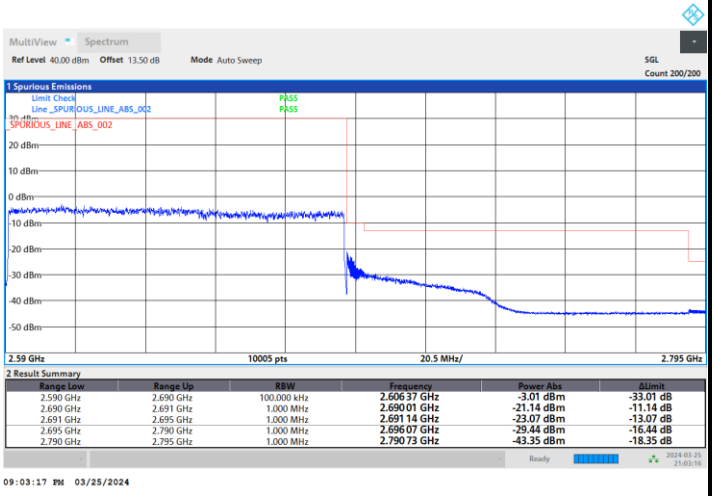
FR1 n41 / 90MHz / CP OFDM / QPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

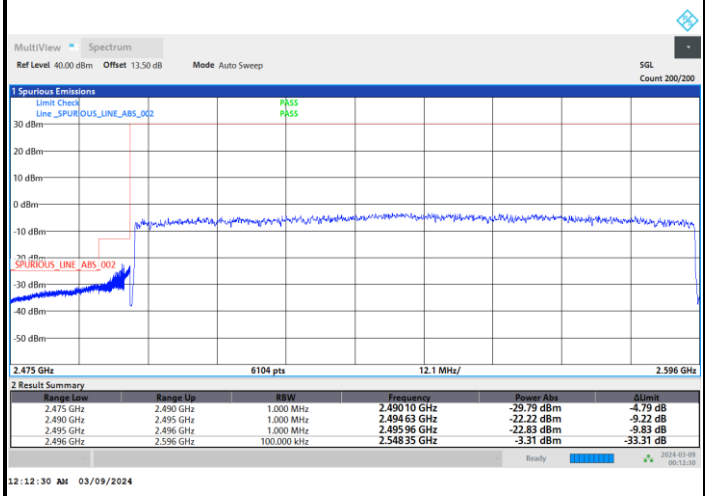
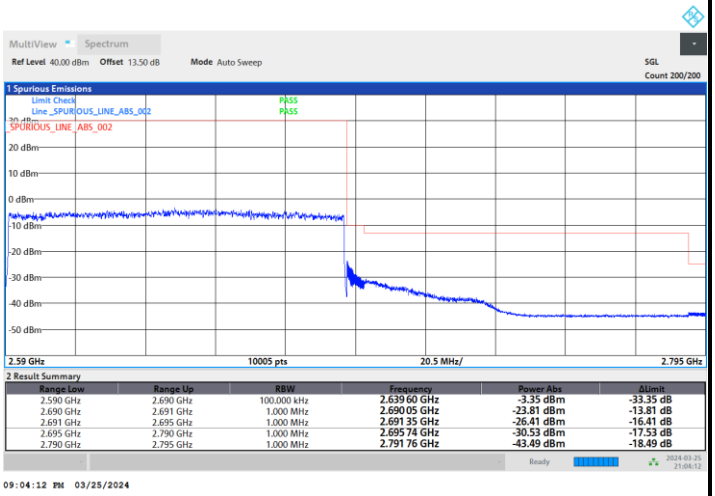
FR1 n41 / 90MHz / CP OFDM / 16QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

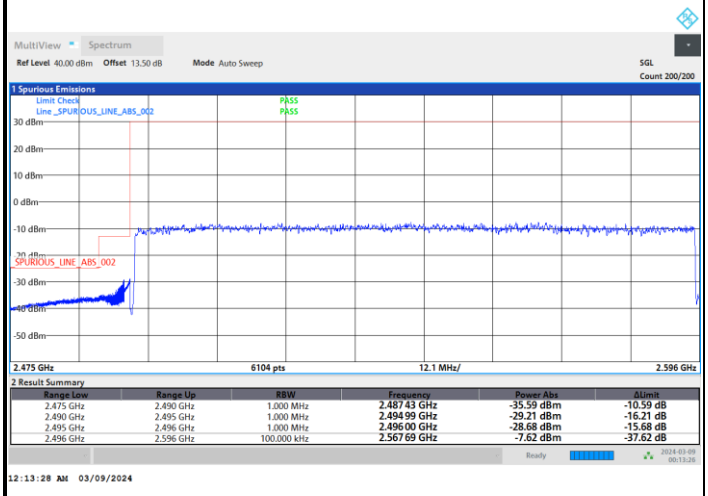
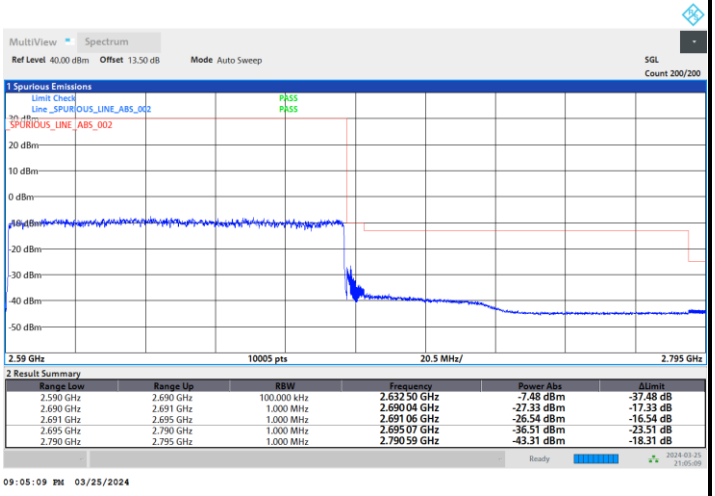
FR1 n41 / 90MHz / CP OFDM / 64QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

FR1 n41 / 90MHz / CP OFDM / 256QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

FR1 n41 / 100MHz / CP OFDM / QPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

FR1 n41 / 100MHz / CP OFDM / 16QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

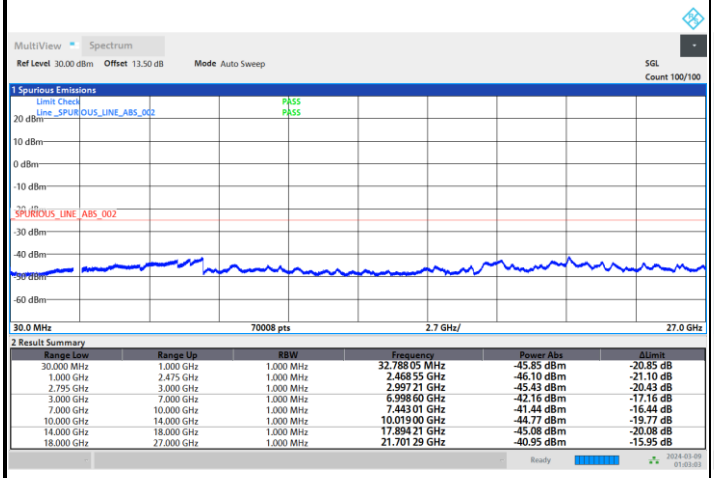
FR1 n41 / 100MHz / CP OFDM / 64QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

FR1 n41 / 100MHz / CP OFDM / 256QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

Conducted Spurious Emission

FR1 n41 / 10MHz / CP OFDM / QPSK / 1RB1

Lowest Channel

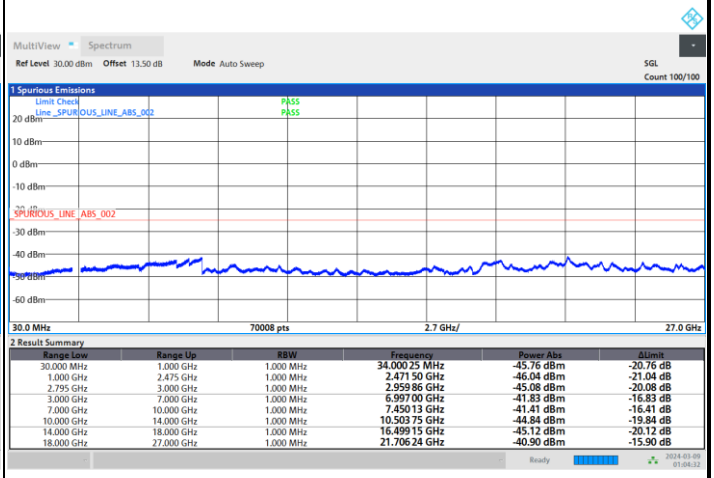


2 Result Summary

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	32.788 05 MHz	-45.85 dBm	-20.85 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.468 55 GHz	-46.10 dBm	-21.10 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.997 21 GHz	-45.43 dBm	-20.43 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.998 60 GHz	-42.16 dBm	-17.16 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.443 01 GHz	-41.44 dBm	-16.44 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.019 00 GHz	-44.77 dBm	-19.77 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.894 21 GHz	-45.08 dBm	-20.08 dB
18.000 GHz	27.000 GHz	1.000 MHz	21.701 29 GHz	-40.95 dBm	-15.95 dB

01:03:04 AM 03/09/2024

Middle Channel

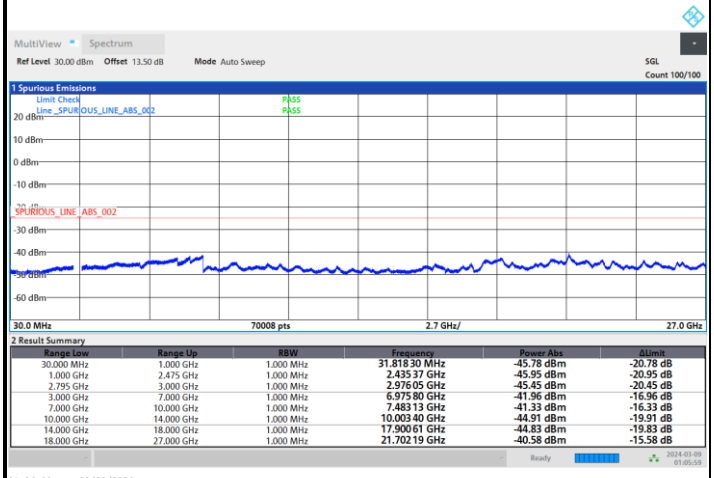


2 Result Summary

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	34.000 25 MHz	-45.76 dBm	-20.76 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.471 50 GHz	-46.04 dBm	-21.04 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.959 86 GHz	-45.08 dBm	-20.08 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.997 00 GHz	-41.83 dBm	-16.83 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.450 13 GHz	-41.41 dBm	-16.41 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.503 75 GHz	-44.84 dBm	-19.84 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.499 15 GHz	-45.12 dBm	-20.12 dB
18.000 GHz	27.000 GHz	1.000 MHz	21.706 24 GHz	-40.90 dBm	-15.90 dB

01:04:32 AM 03/09/2024

Highest Channel



2 Result Summary

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	31.818 30 MHz	-45.78 dBm	-20.78 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.435 37 GHz	-45.95 dBm	-20.95 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.976 05 GHz	-45.45 dBm	-20.45 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.975 80 GHz	-41.96 dBm	-16.96 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.483 13 GHz	-41.33 dBm	-16.33 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.003 40 GHz	-44.91 dBm	-19.91 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.900 61 GHz	-44.83 dBm	-19.83 dB
18.000 GHz	27.000 GHz	1.000 MHz	21.702 19 GHz	-40.58 dBm	-15.58 dB

01:06:00 AM 03/09/2024

Frequency Stability

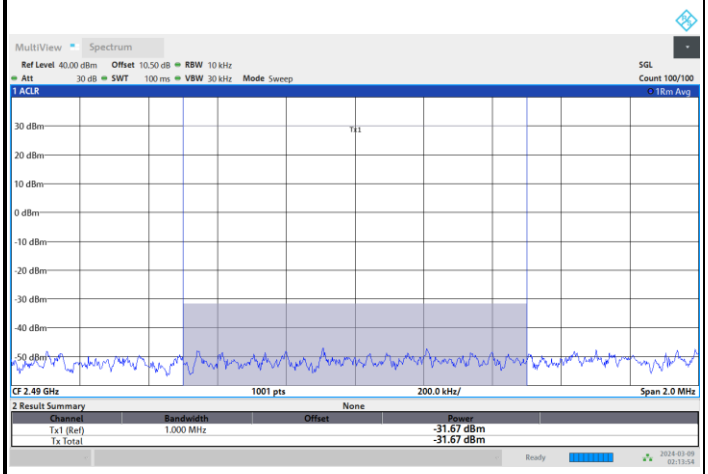
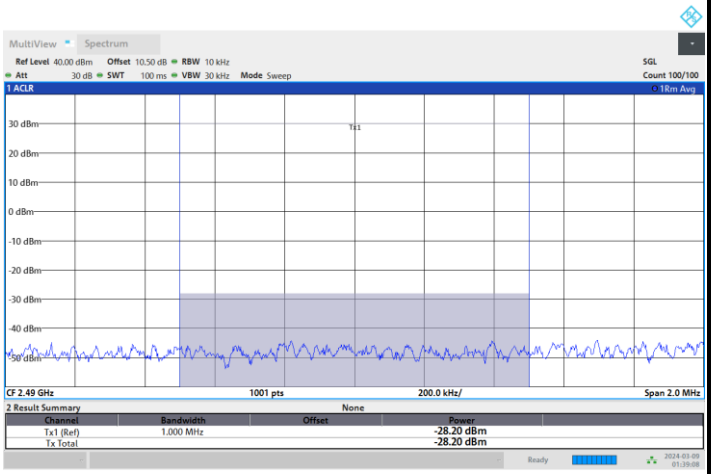
Test Conditions		FR1 n41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0006	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0054	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0009	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0019	
-20	Normal Voltage	0.0015	
-30	Normal Voltage	0.0030	
20	Maximum Voltage	0.0034	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0040	

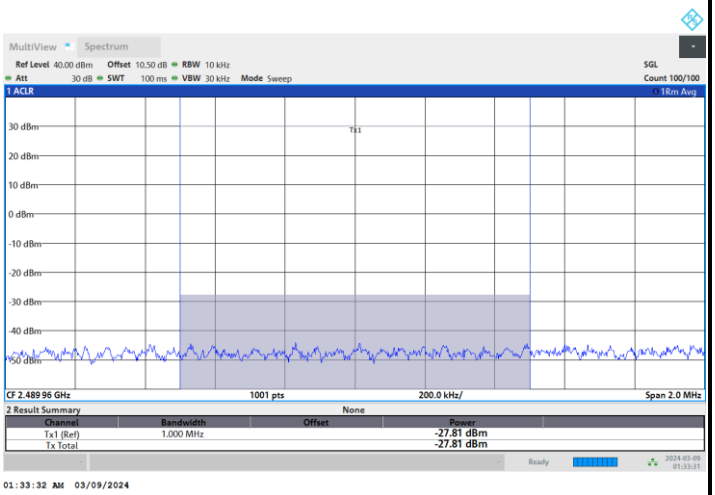
Note:

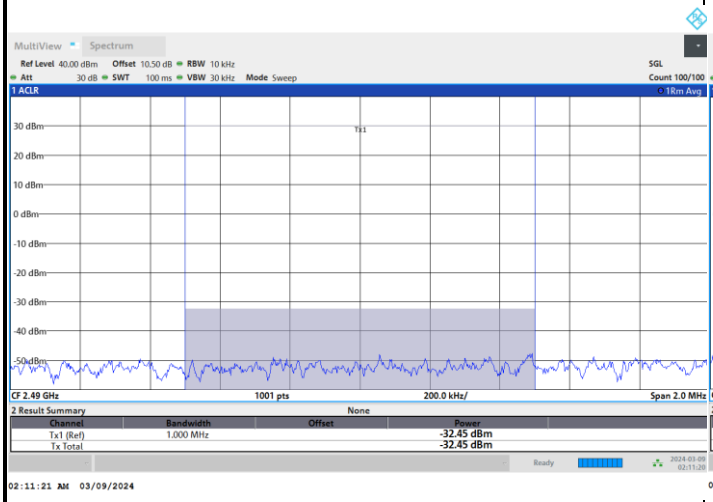
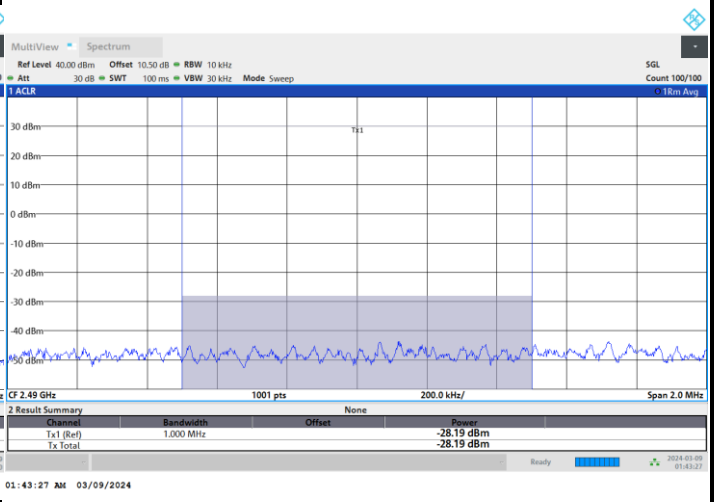
1. Normal Voltage = 3.89 V.；Battery End Point (BEP) = 3.6 V.；Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

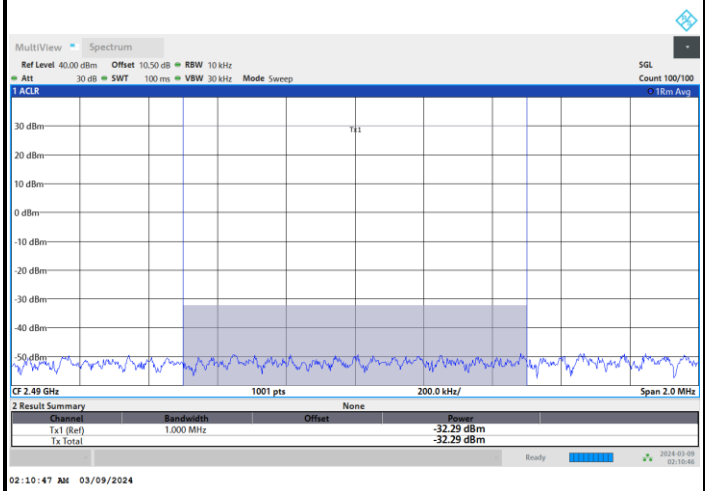
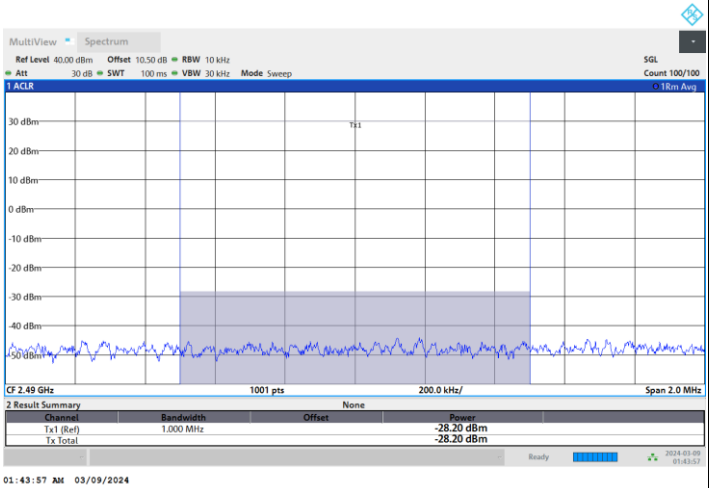
MIMO <Ant. 2+1>

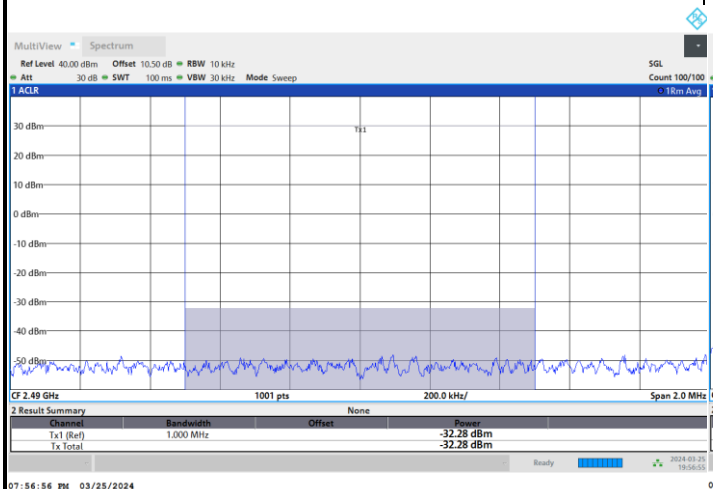
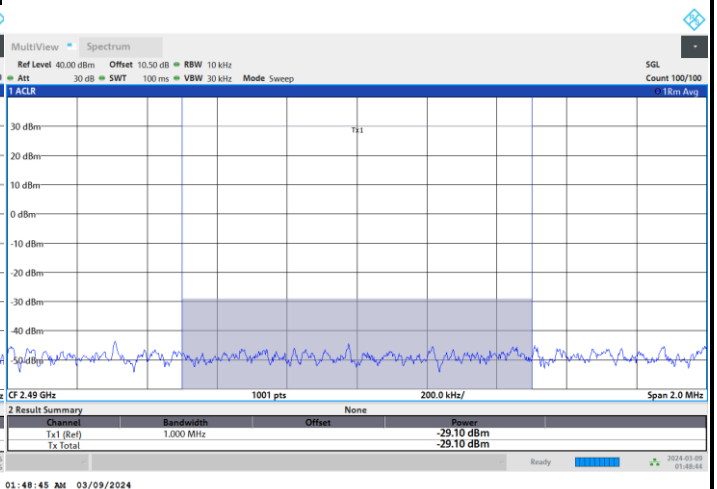
Conducted Band Edge

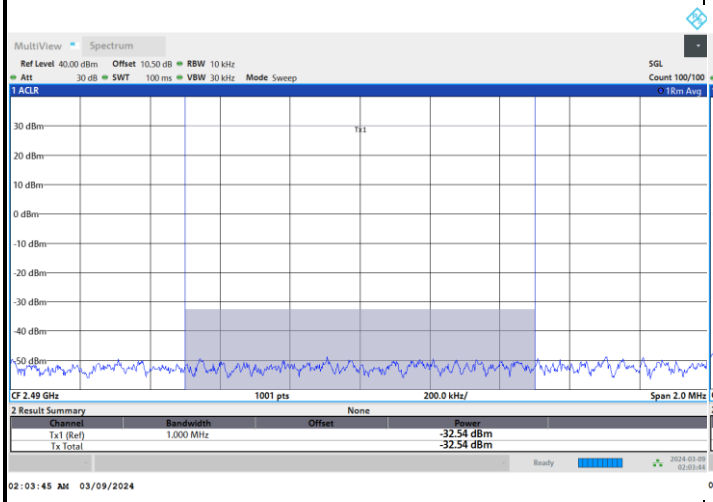
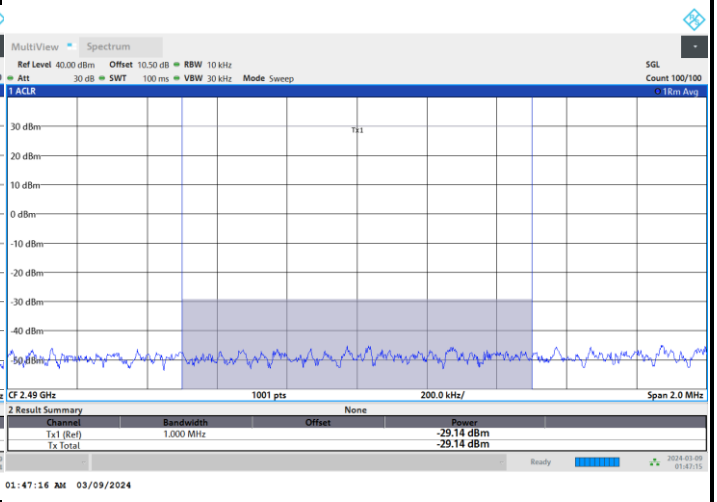
FR1 n41 / 25MHz / DFT-S OFDM / 16QAM	
Lowest Band Edge / Outter Full RB / TX0	**Lowest Band Edge / Outter Full RB / TX1**
Channel power -31.67dBm/MHz	**Channel power -28.20dBm/MHz**
Comined Channel Power result -26.58dBm/MHz against limit -25dBm/MHz (Pass)	
	

FR1 n41 / 25MHz / DFT-S OFDM / QPSK	
Lowest Band Edge / Outter Full RB / TX0	**Lowest Band Edge / Outter Full RB / TX1**
Channel power -32.44dBm/MHz	**Channel power -27.81dBm/MHz**
Comined Channel Power result -26.52dBm/MHz against limit -25dBm/MHz (Pass)	
	

FR1 n41 / 30MHz / DFT-S OFDM / 16QAM	
Lowest Band Edge / Outter Full RB / TX0	Lowest Band Edge / Outter Full RB / TX1
Channel power -32.45dBm/MHz	Channel power -28.19dBm/MHz
Comined Channel Power result -26.80dBm/MHz against limit -25dBm/MHz (Pass)	
	

FR1 n41 / 30MHz / DFT-S OFDM / PI/2 QPSK	
Lowest Band Edge / Outter Full RB / TX0	Lowest Band Edge / Outter Full RB / TX1
Channel power -32.29dBm/MHz	Channel power -28.20dBm/MHz
Comined Channel Power result -26.77dBm/MHz against limit -25dBm/MHz (Pass)	
	

FR1 n41 / 40MHz / DFT-S OFDM / 16QAM	
Lowest Band Edge / Outter Full RB / TX0	Lowest Band Edge / Outter Full RB / TX1
Channel power -32.28dBm/MHz	Channel power -29.10dBm/MHz
Comined Channel Power result -27.39dBm/MHz against limit -25dBm/MHz (Pass)	
	

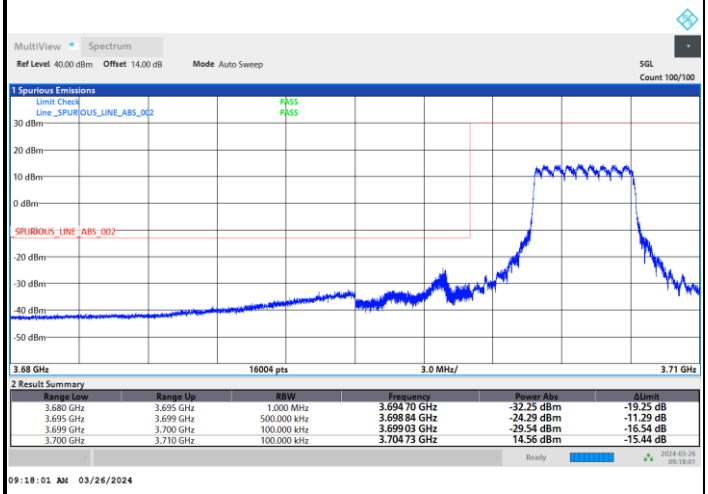
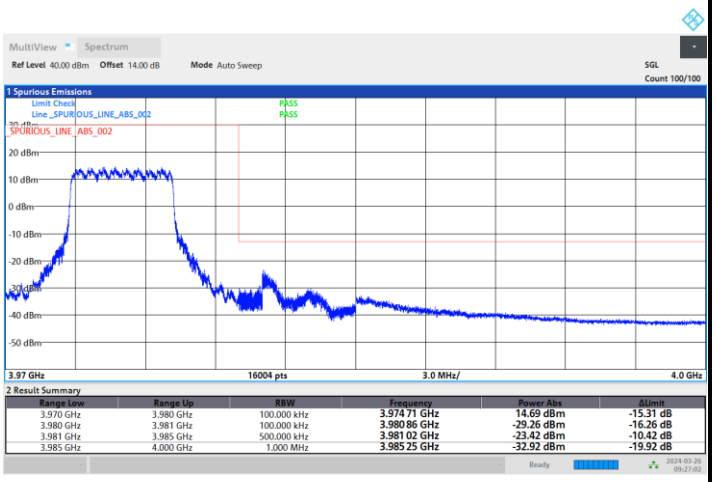
FR1 n41 / 40MHz / DFT-S OFDM / QPSK	
Lowest Band Edge / Outter Full RB / TX0	Lowest Band Edge / Outter Full RB / TX1
Channel power -32.54dBm/MHz	Channel power -29.14dBm/MHz
Comined Channel Power result -27.50dBm/MHz against limit -25dBm/MHz (Pass)	
	

FR1 n77_Part27O

<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**