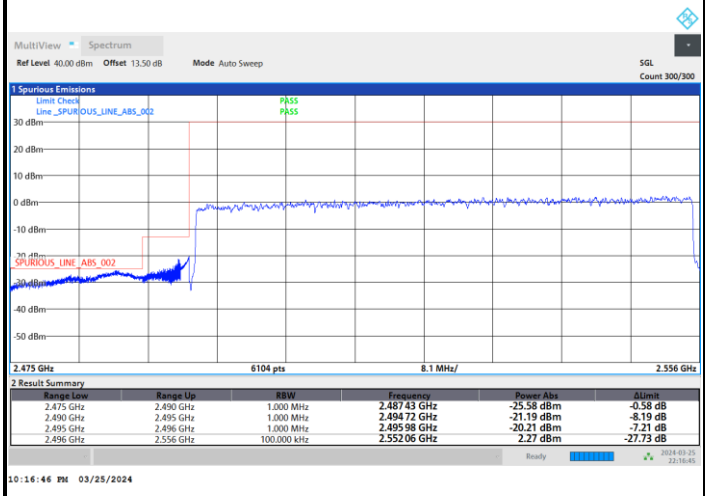
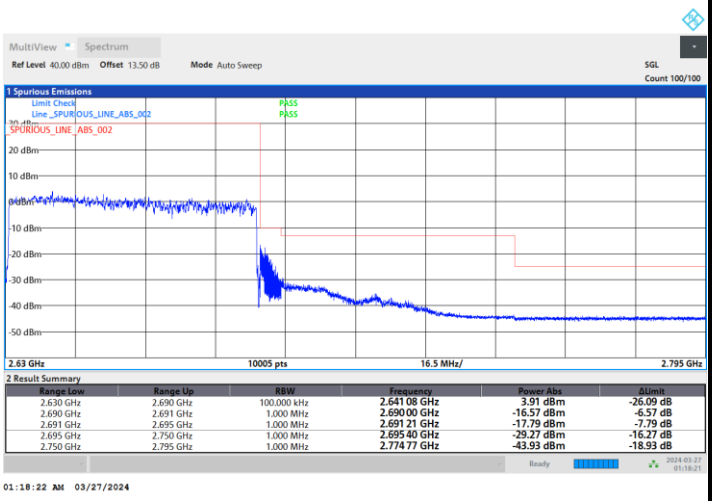
FR1 n41 / 60MHz / DFT-S OFDM / PI/2 BPSK

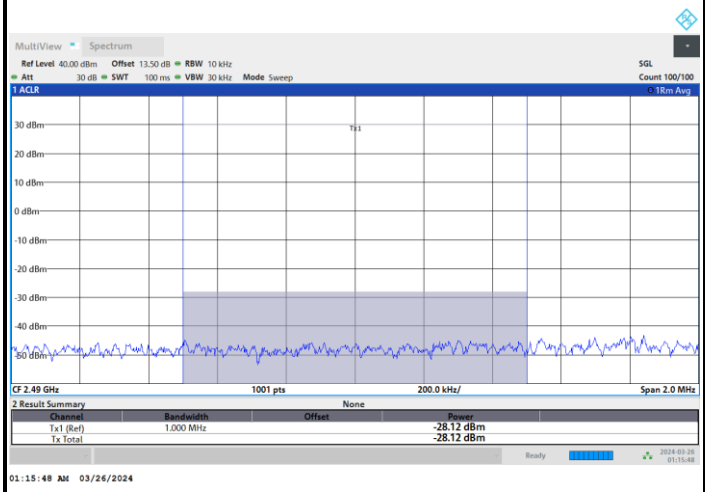
Lowest Band Edge / Outter Full RB

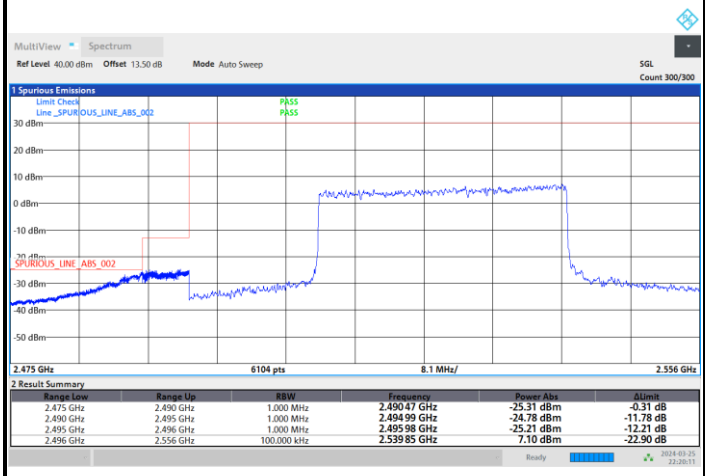
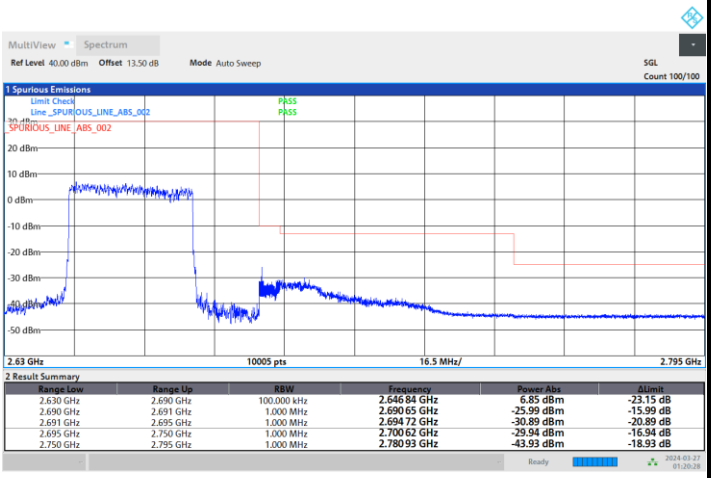


Highest Band Edge / Outter Full RB



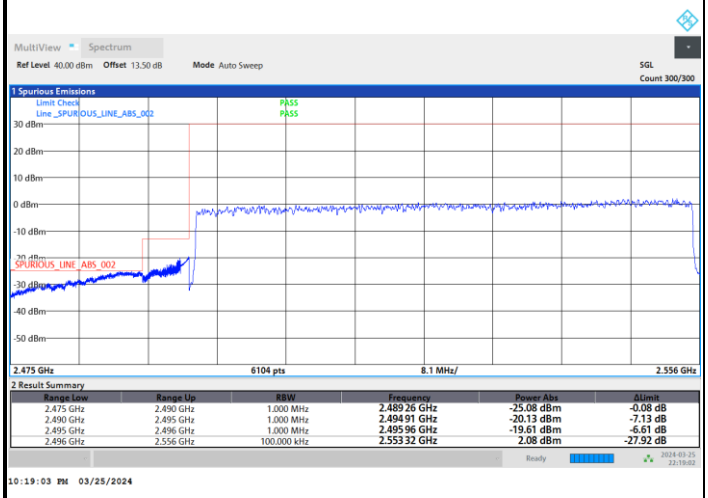
Channel power -25dBm > -28.12dBm (PASS)



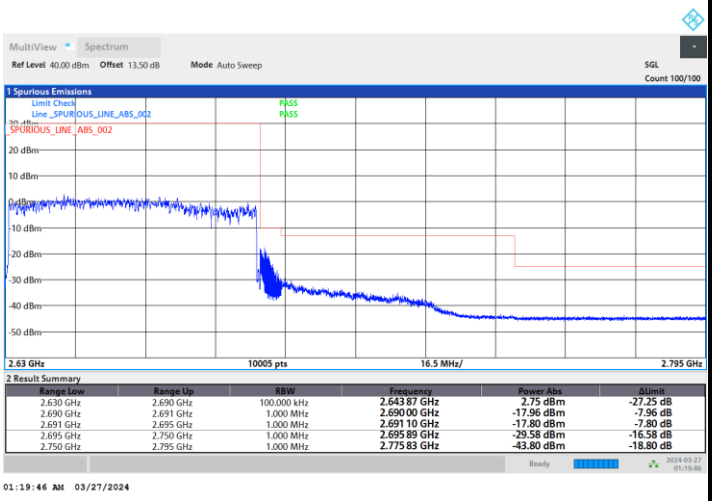
FR1 n41 / 60MHz / DFT-S OFDM / QPSK	
Lowest Band Edge / Inner Full RB	**Highest Band Edge / Inner Full RB**
	

FR1 n41 / 60MHz / DFT-S OFDM / QPSK

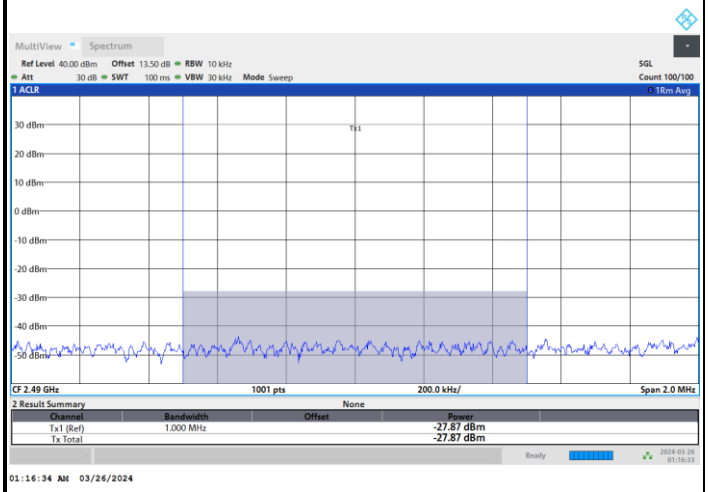
Lowest Band Edge / Outter Full RB

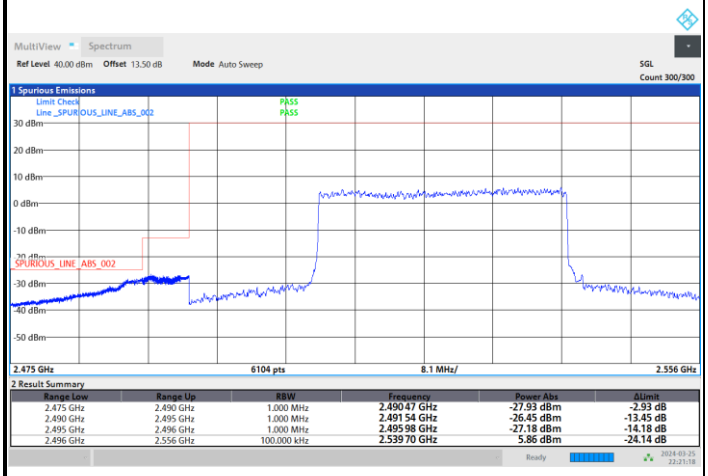
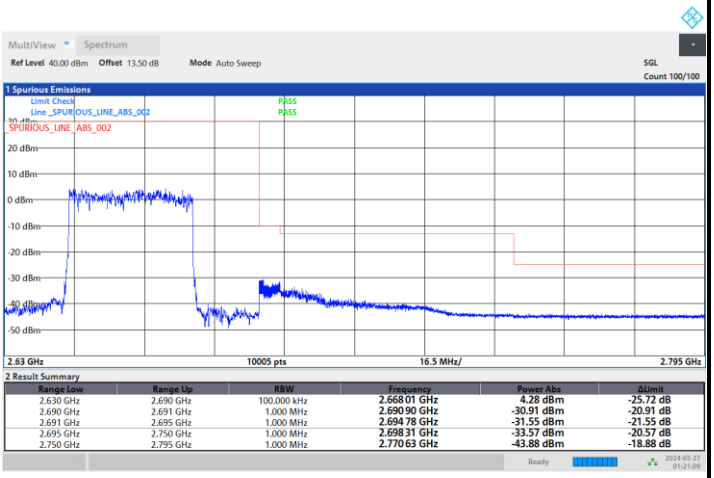


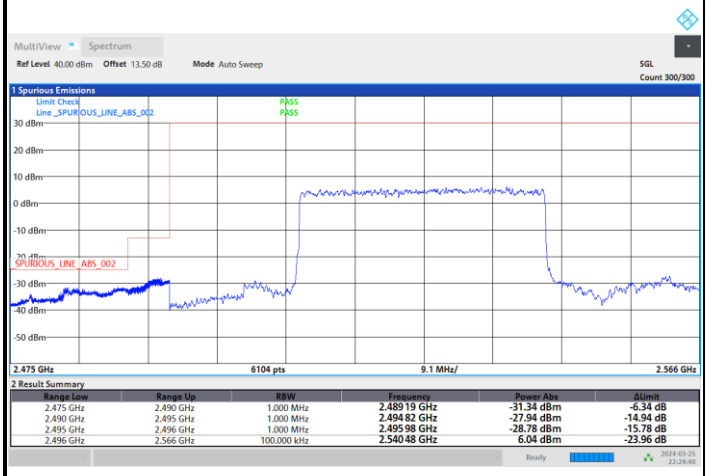
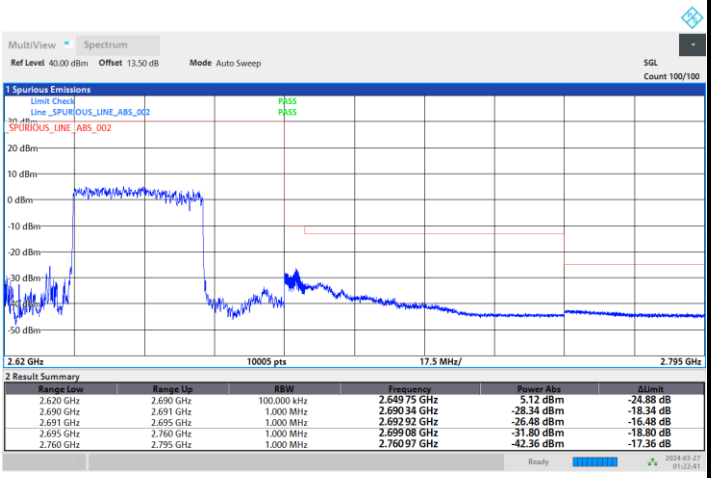
Highest Band Edge / Outter Full RB



Channel power -25dBm > -27.87dBm (PASS)

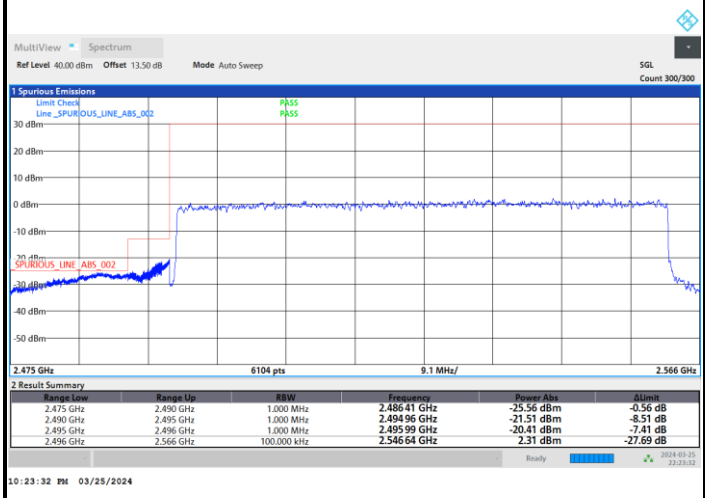


FR1 n41 / 60MHz / DFT-S OFDM / 16QAM	
Lowest Band Edge / Inner Full RB	**Highest Band Edge / Inner Full RB**
	

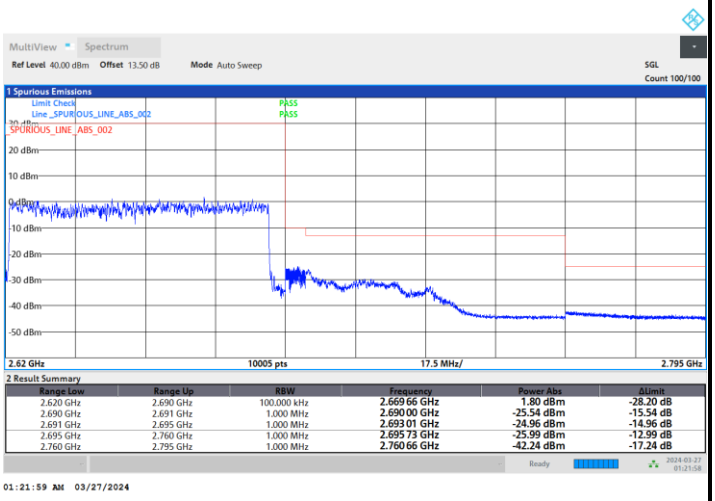
FR1 n41 / 70MHz / DFT-S OFDM / PI/2 BPSK	
Lowest Band Edge / Inner Full RB	**Highest Band Edge / Inner Full RB**
	

FR1 n41 / 70MHz / DFT-S OFDM / PI/2 BPSK

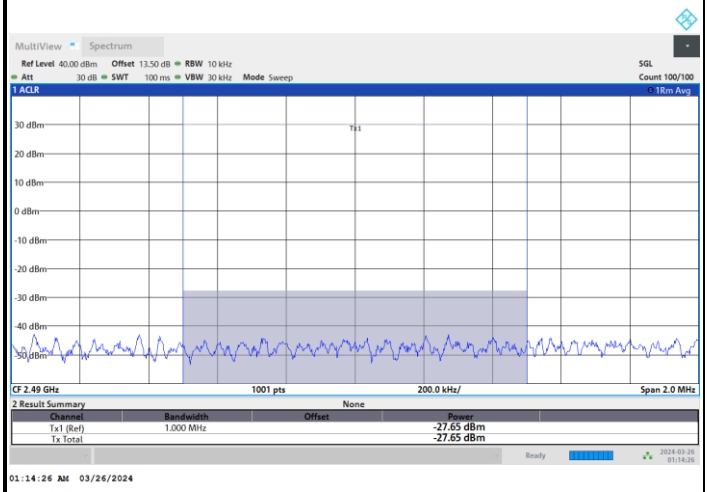
Lowest Band Edge / Outter Full RB



Highest Band Edge / Outter Full RB

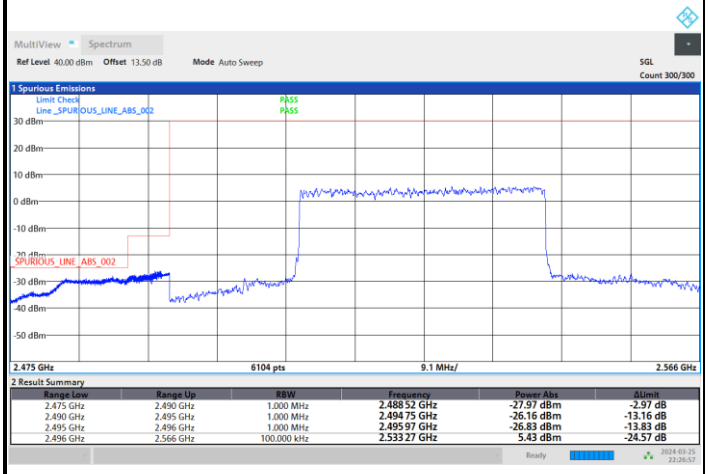


Channel power -25dBm > -27.65dBm (PASS)

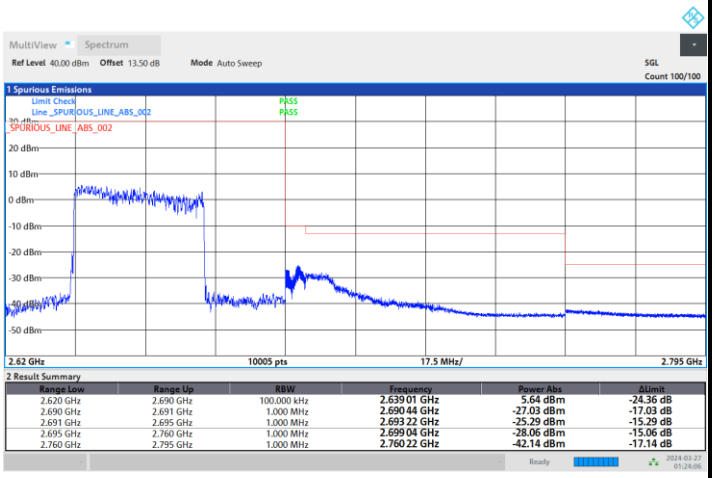


FR1 n41 / 70MHz / DFT-S OFDM / QPSK

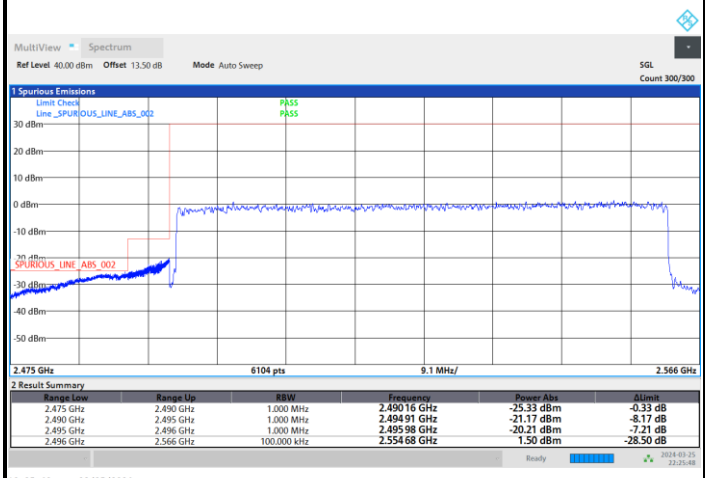
Lowest Band Edge / Inner Full RB



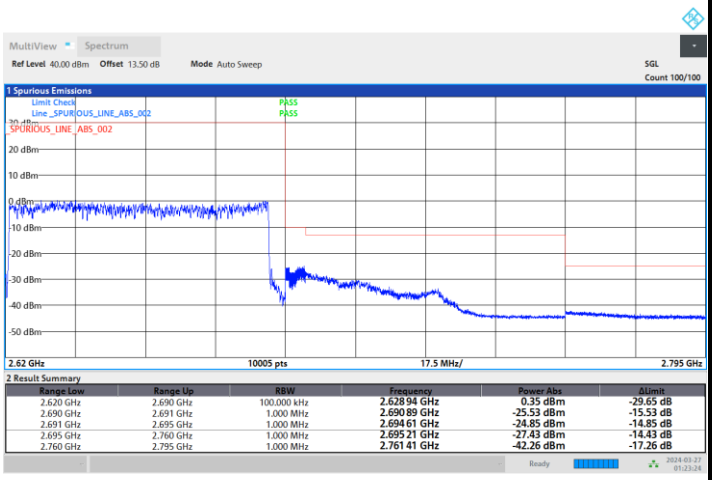
Highest Band Edge / Inner Full RB

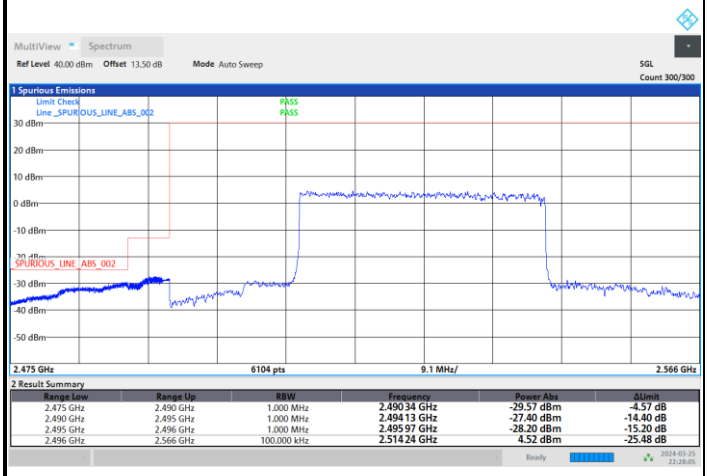
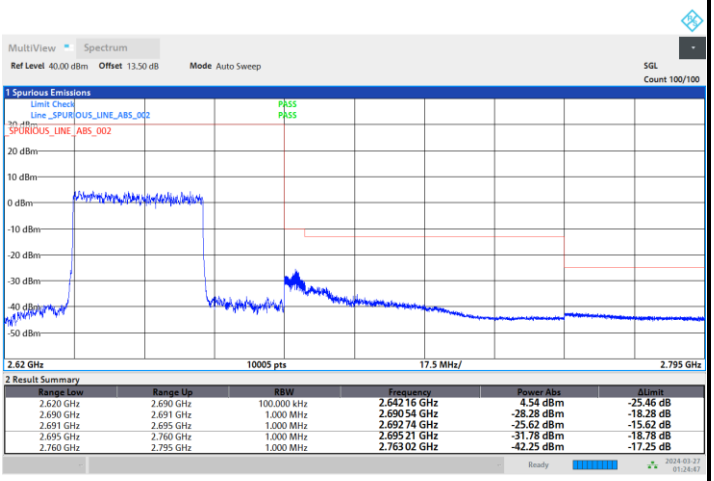


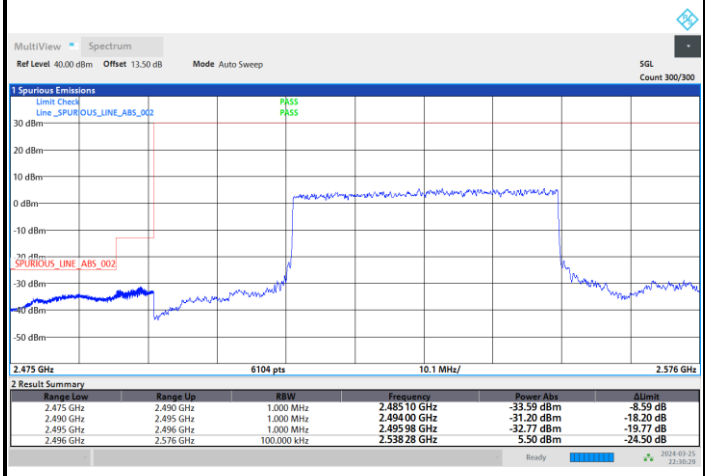
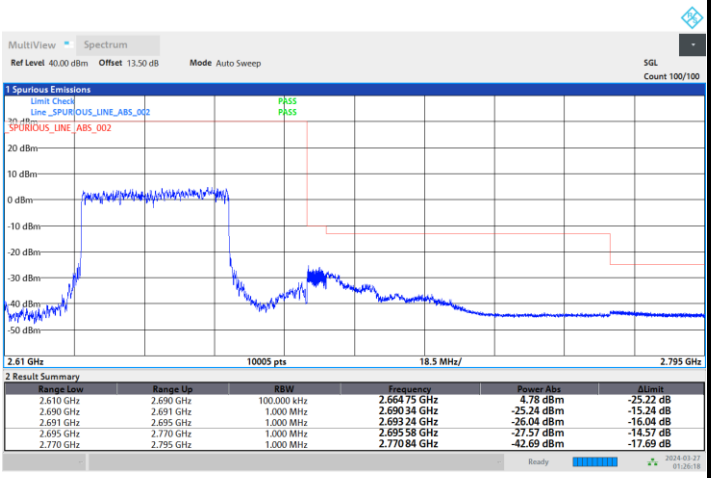
Lowest Band Edge / Outter Full RB



Highest Band Edge / Outter Full RB

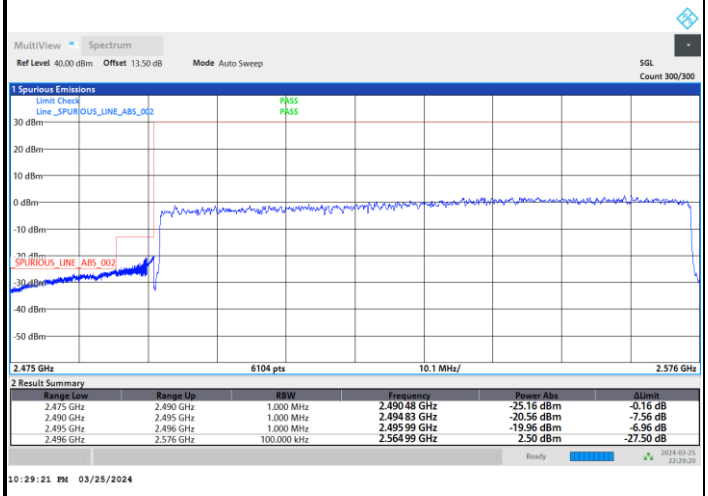


FR1 n41 / 70MHz / DFT-S OFDM / 16QAM	
Lowest Band Edge / Inner Full RB	**Highest Band Edge / Inner Full RB**
	

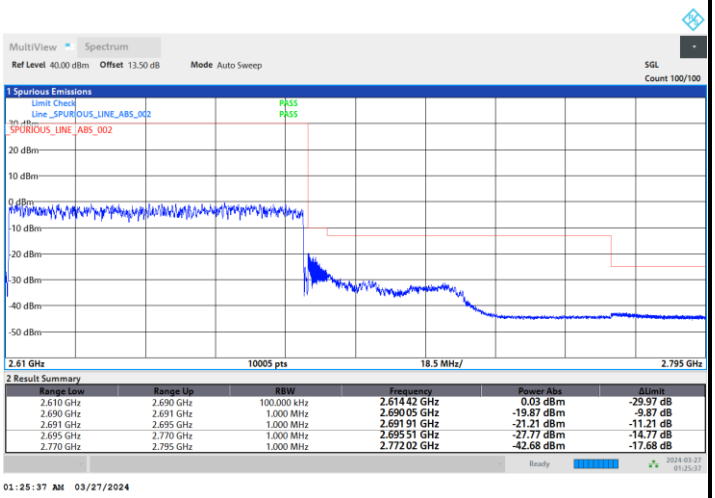
FR1 n41 / 80MHz / DFT-S OFDM / PI/2 BPSK	
Lowest Band Edge / Inner Full RB	**Highest Band Edge / Inner Full RB**
	

FR1 n41 / 80MHz / DFT-S OFDM / PI/2 BPSK

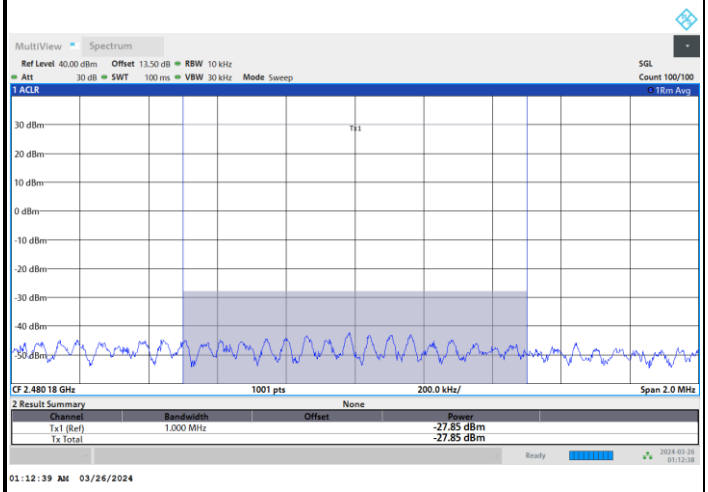
Lowest Band Edge / Outter Full RB



Highest Band Edge / Outter Full RB

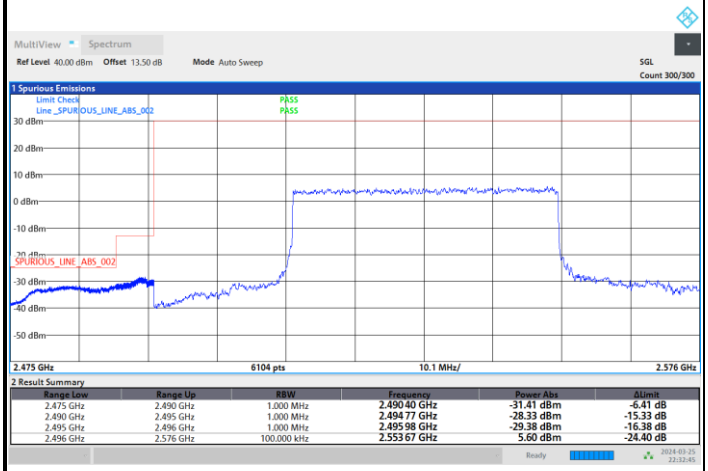


Channel power -25dBm > -27.85dBm (PASS)

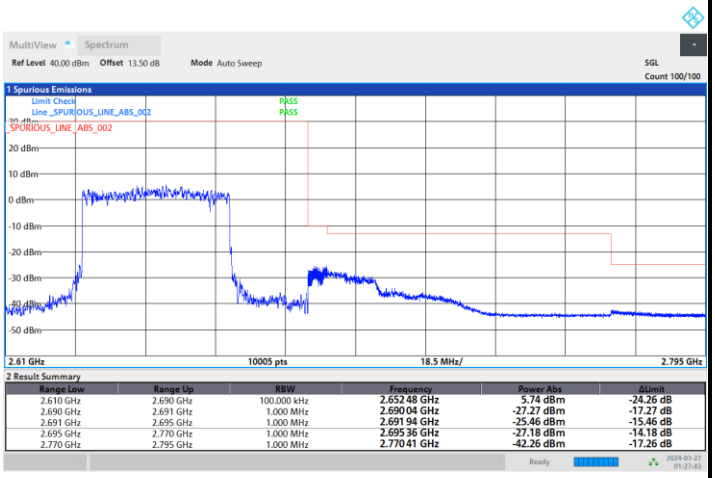


FR1 n41 / 80MHz / DFT-S OFDM / QPSK

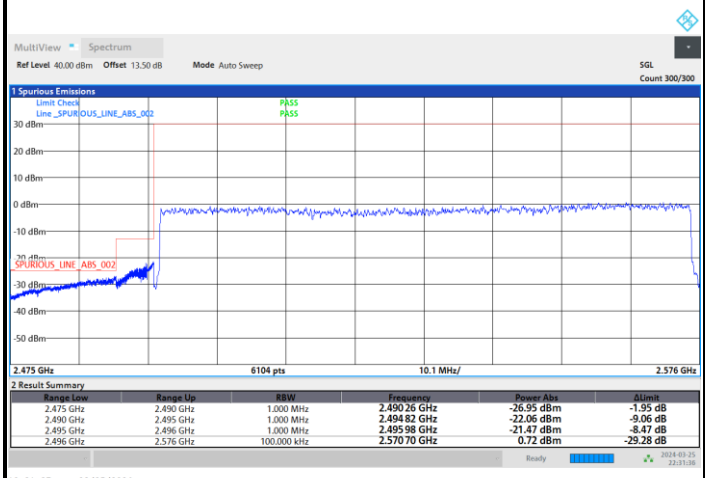
Lowest Band Edge / Inner Full RB



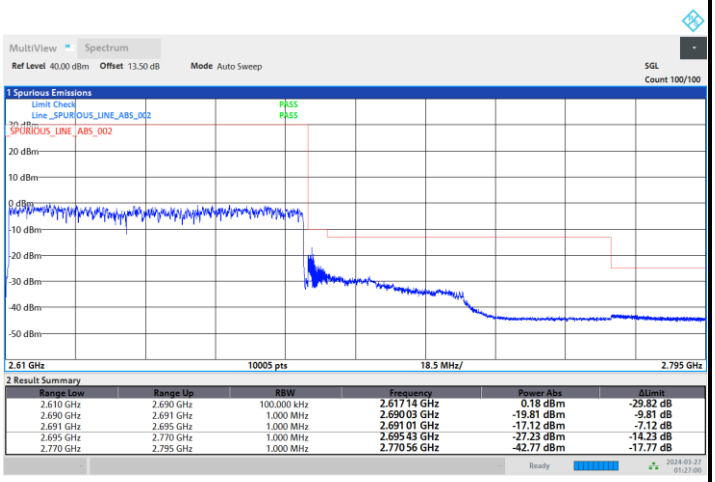
Highest Band Edge / Inner Full RB

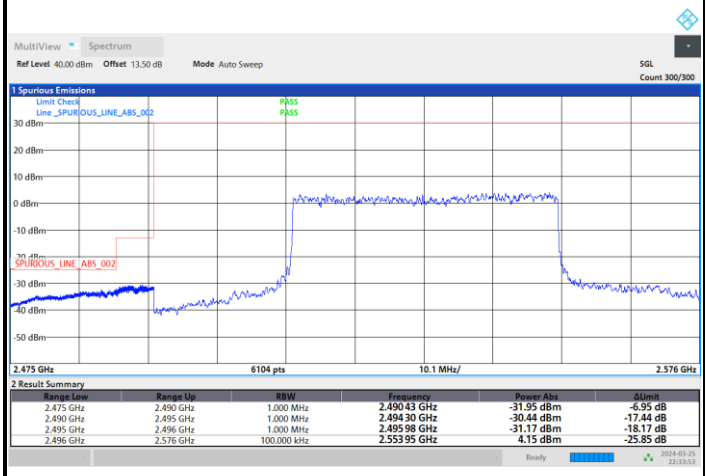
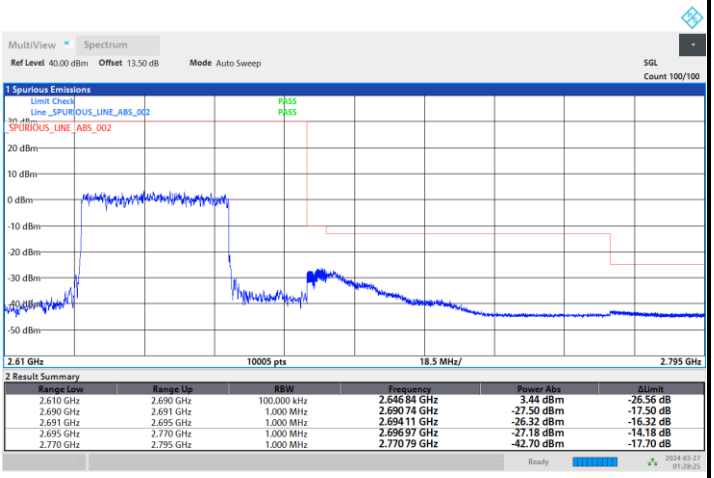


Lowest Band Edge / Outter Full RB



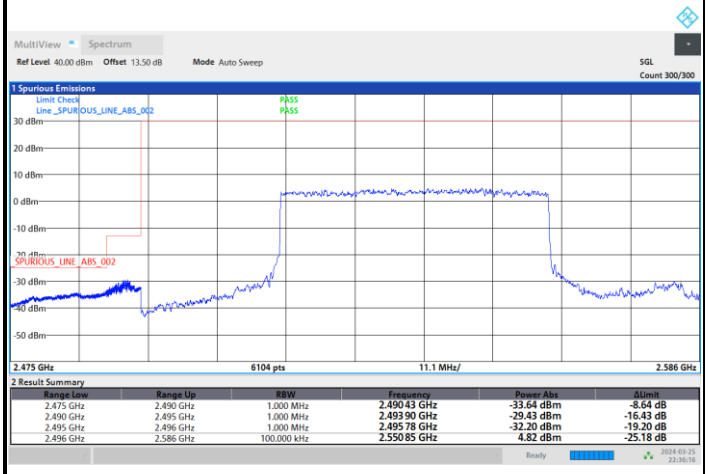
Highest Band Edge / Outter Full RB



FR1 n41 / 80MHz / DFT-S OFDM / 16QAM	
Lowest Band Edge / Inner Full RB	**Highest Band Edge / Inner Full RB**
	

FR1 n41 / 90MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / Inner Full RB



2 Result Summary

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.490 43 GHz	-33.64 dBm	-8.64 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.493 90 GHz	-29.43 dBm	-16.43 dB
2.495 GHz	2.496 GHz	1.000 MHz	2.495 78 GHz	-32.20 dBm	-19.20 dB
2.496 GHz	2.586 GHz	100.000 kHz	2.550 85 GHz	4.82 dBm	-25.18 dB

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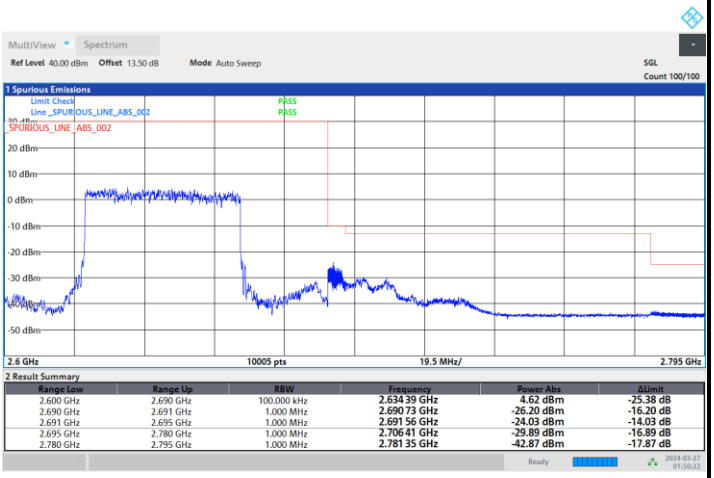
Highest Band Edge / Inner Full RB



2 Result Summary

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.600 GHz	2.690 GHz	100.000 kHz	2.634 39 GHz	4.62 dBm	-25.38 dB
2.690 GHz	2.691 GHz	1.000 MHz	2.690 73 GHz	-26.20 dBm	-16.20 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.691 56 GHz	-24.03 dBm	-14.03 dB
2.695 GHz	2.780 GHz	1.000 MHz	2.706 41 GHz	-29.89 dBm	-16.89 dB
2.780 GHz	2.795 GHz	1.000 MHz	2.781 35 GHz	-42.87 dBm	-17.87 dB

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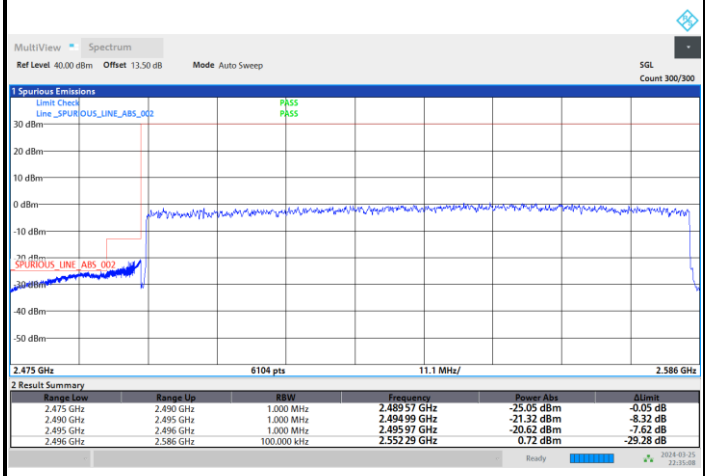
Lowest Band Edge / Outter Full RB



2 Result Summary

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.489 57 GHz	-25.05 dBm	-0.05 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.494 99 GHz	-21.32 dBm	-8.32 dB
2.495 GHz	2.496 GHz	1.000 MHz	2.495 97 GHz	-20.62 dBm	-7.62 dB
2.496 GHz	2.586 GHz	100.000 kHz	2.552 29 GHz	0.72 dBm	-29.28 dB

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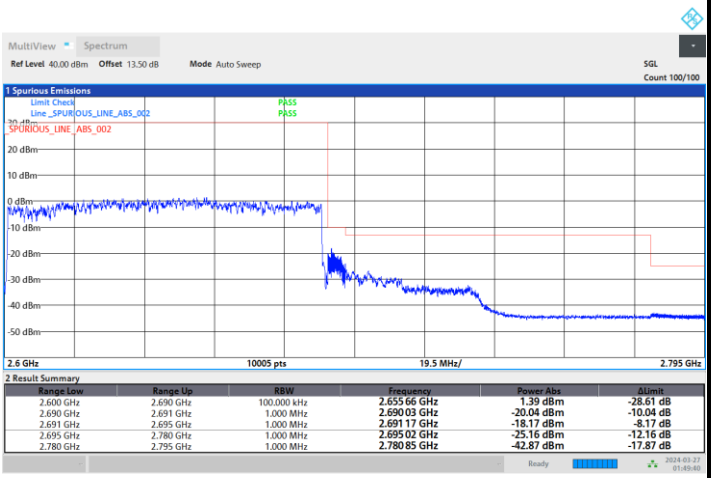
Highest Band Edge / Outter Full RB



2 Result Summary

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.600 GHz	2.690 GHz	100.000 kHz	2.655 66 GHz	1.39 dBm	-28.61 dB
2.690 GHz	2.691 GHz	1.000 MHz	2.690 03 GHz	-20.04 dBm	-10.04 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.691 17 GHz	-18.17 dBm	-8.17 dB
2.695 GHz	2.780 GHz	1.000 MHz	2.695 02 GHz	-25.16 dBm	-12.16 dB
2.780 GHz	2.795 GHz	1.000 MHz	2.780 85 GHz	-42.87 dBm	-17.87 dB

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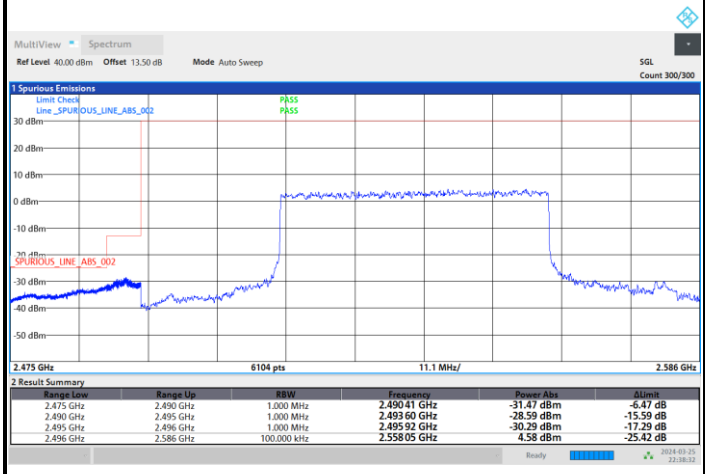
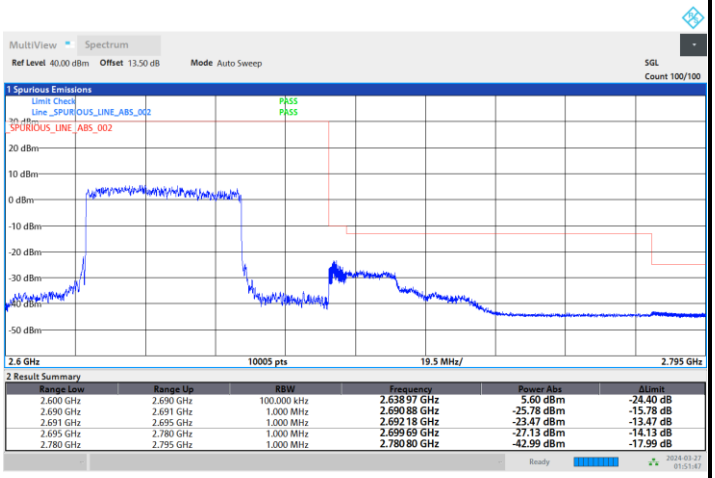
FR1 n41 / 90MHz / DFT-S OFDM / QPSK

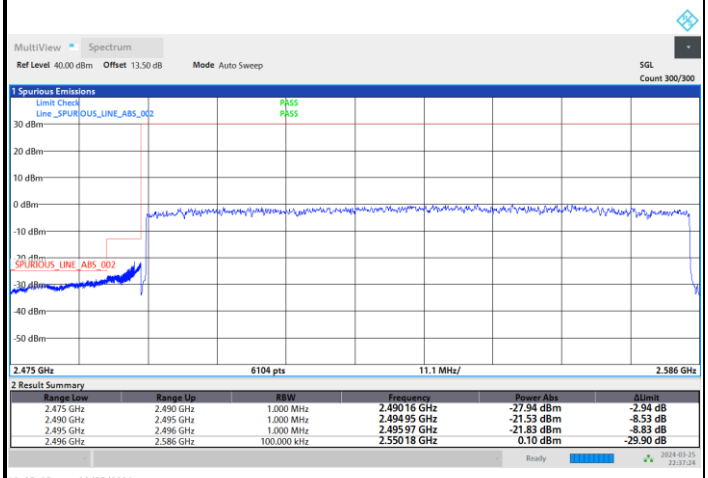
Lowest Band Edge / Inner Full RB



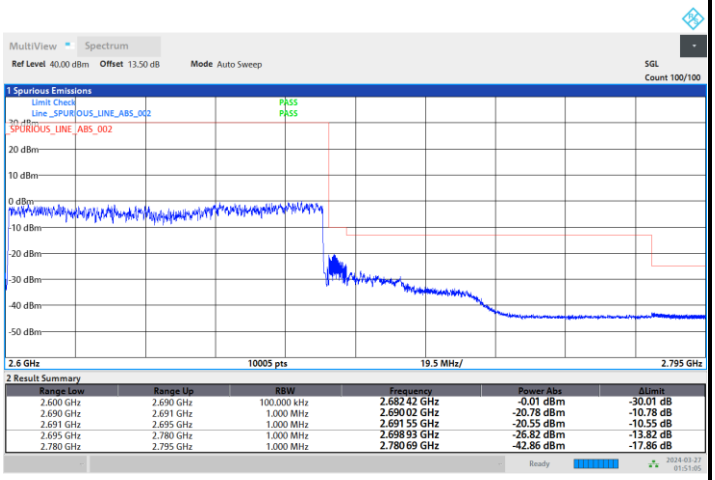
Highest Band Edge / Inner Full RB

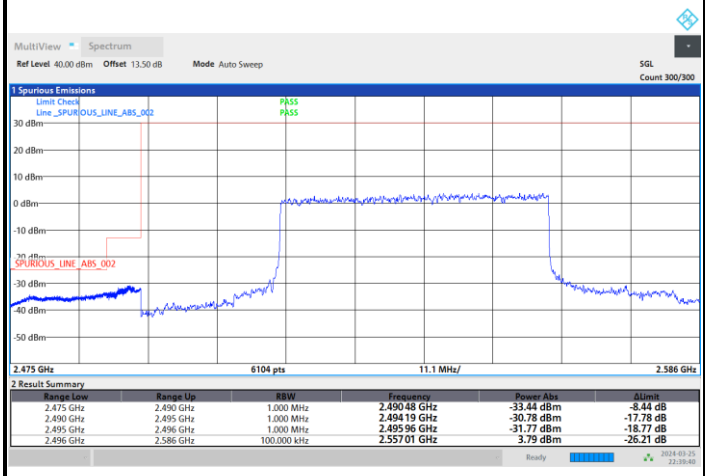
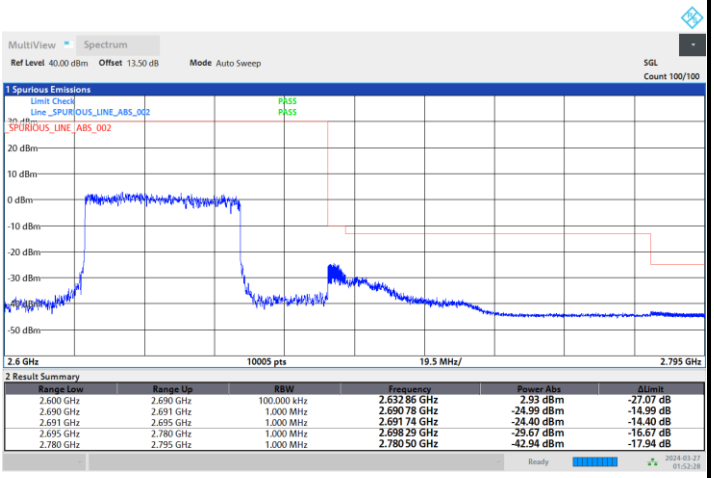


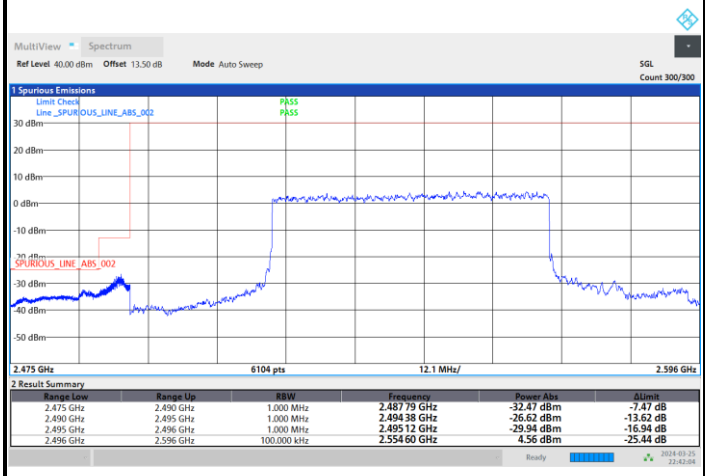
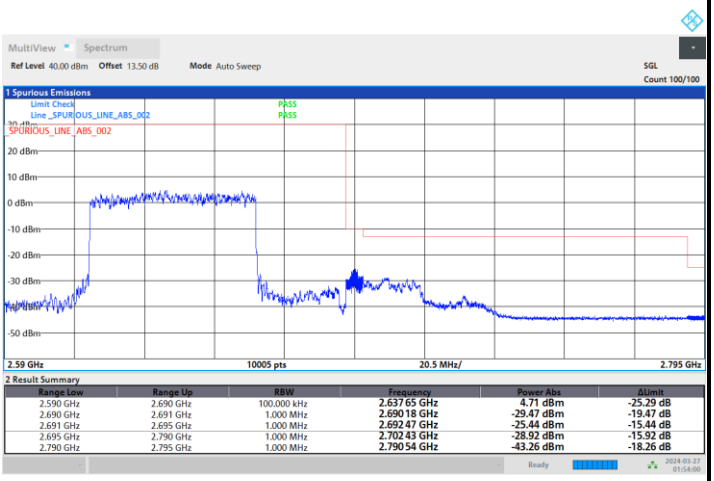
Lowest Band Edge / Outter Full RB



Highest Band Edge / Outter Full RB

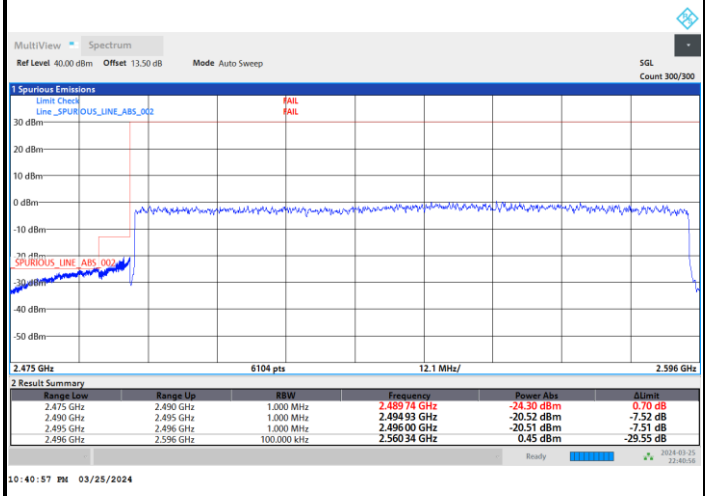


FR1 n41 / 90MHz / DFT-S OFDM / 16QAM	
Lowest Band Edge / Inner Full RB	**Highest Band Edge / Inner Full RB**
	

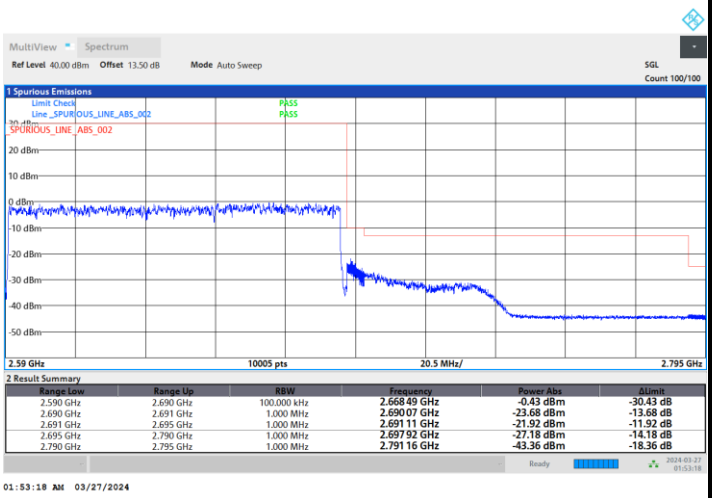
FR1 n41 / 100MHz / DFT-S OFDM / PI/2 BPSK	
Lowest Band Edge / Inner Full RB	**Highest Band Edge / Inner Full RB**
	

FR1 n41 / 100MHz / DFT-S OFDM / PI/2 BPSK

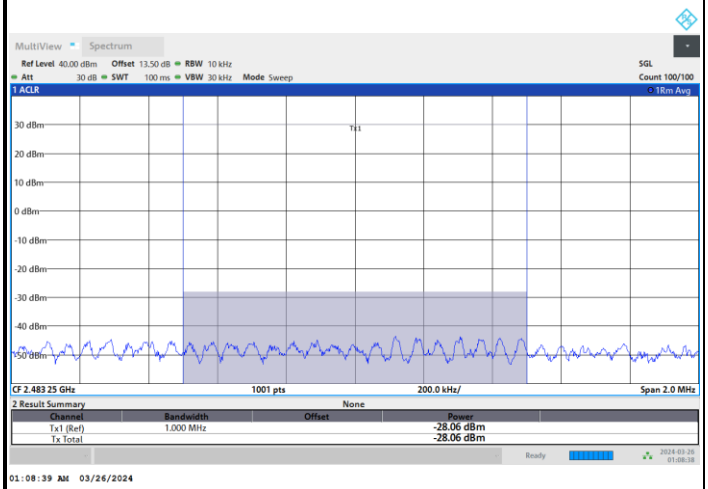
Lowest Band Edge / Outter Full RB

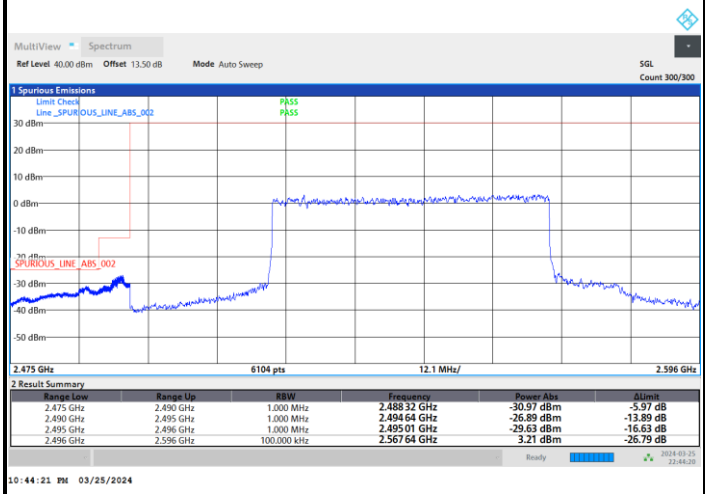
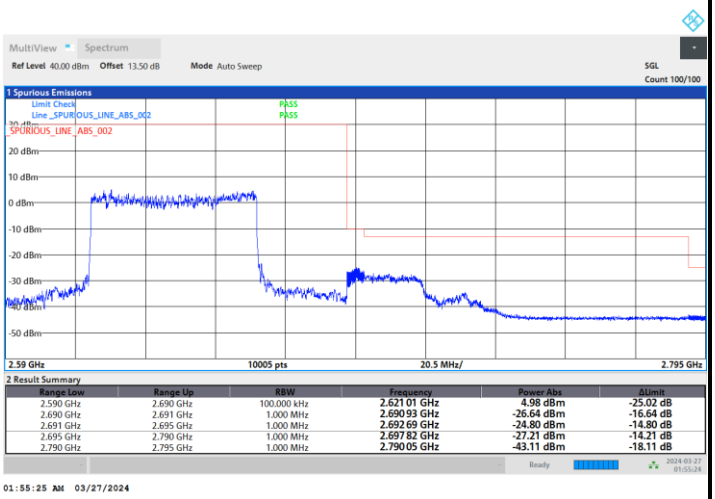


Highest Band Edge / Outter Full RB



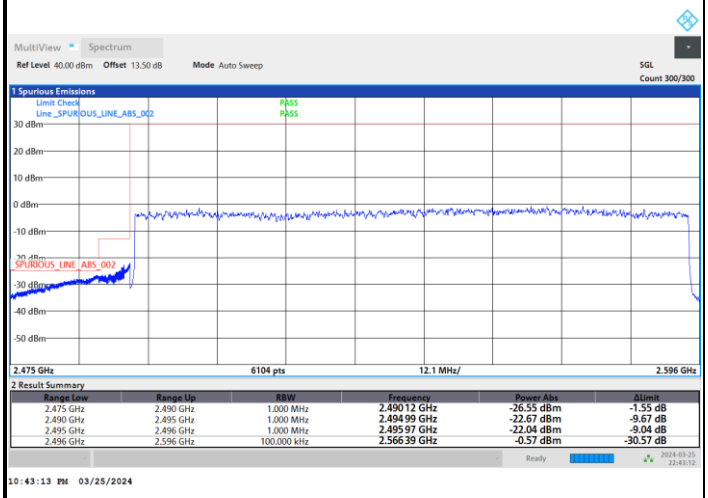
Channel power -25dBm > -28.06dBm (PASS)



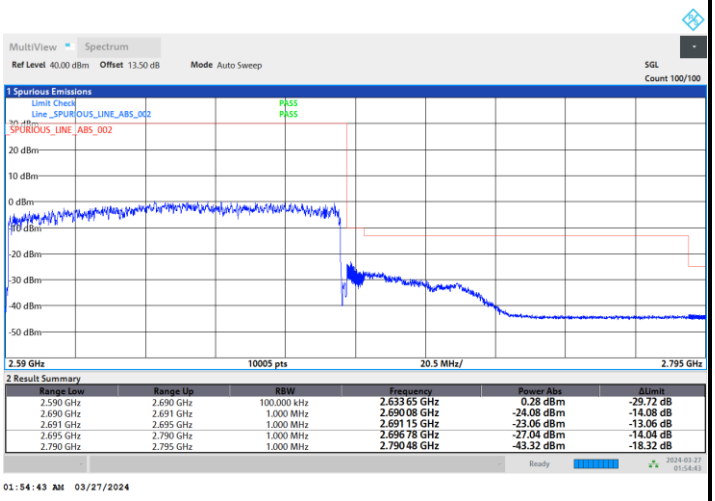
FR1 n41 / 100MHz / DFT-S OFDM / QPSK	
Lowest Band Edge / Inner Full RB	**Highest Band Edge / Inner Full RB**
	
Channel power -25dBm > -26.66dBm (PASS)	

FR1 n41 / 100MHz / DFT-S OFDM / QPSK

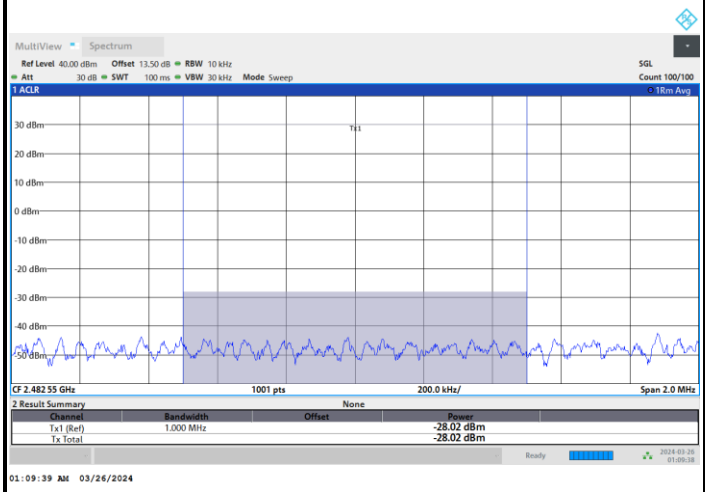
Lowest Band Edge / Outter Full RB

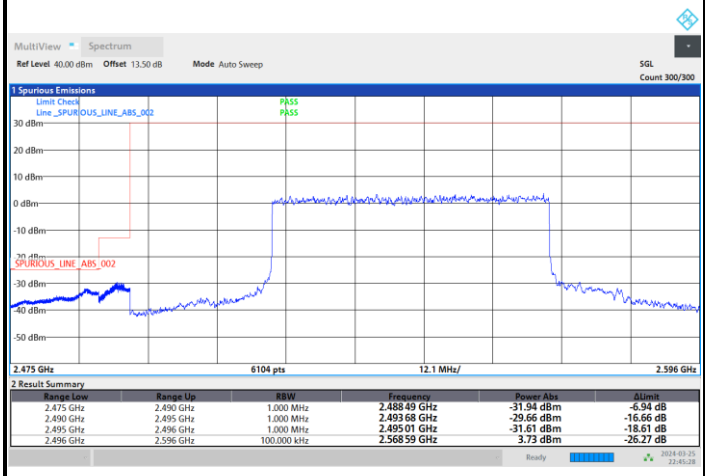
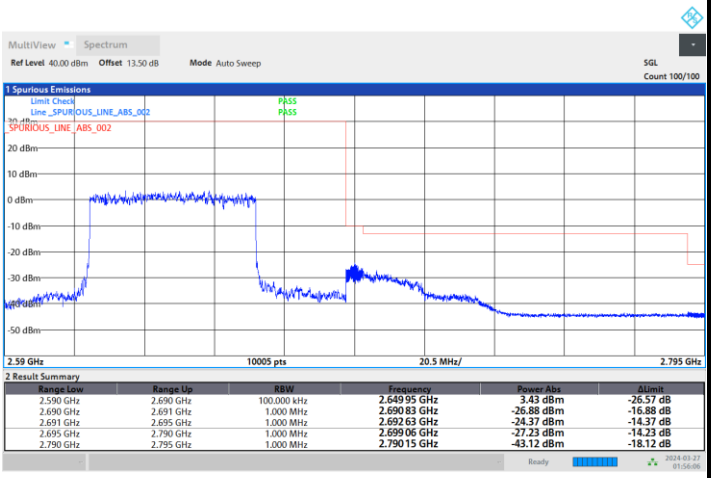


Highest Band Edge / Outter Full RB



Channel power -25dBm > -28.02dBm (PASS)

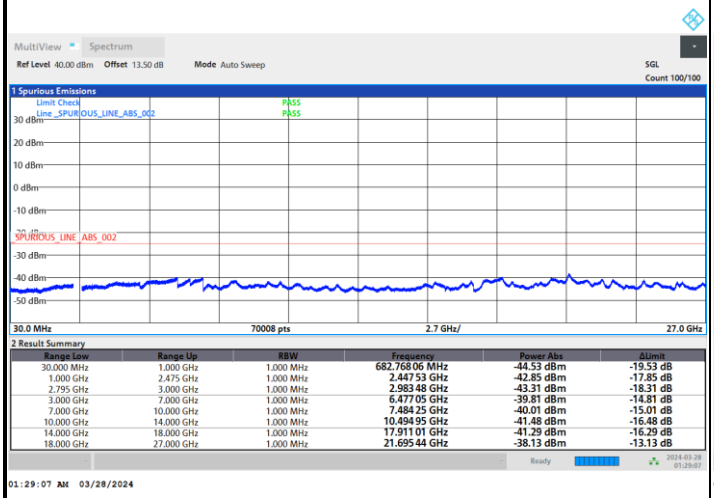


FR1 n41 / 100MHz / DFT-S OFDM / 16QAM	
Lowest Band Edge / Inner Full RB	**Highest Band Edge / Inner Full RB**
	

Conducted Spurious Emission

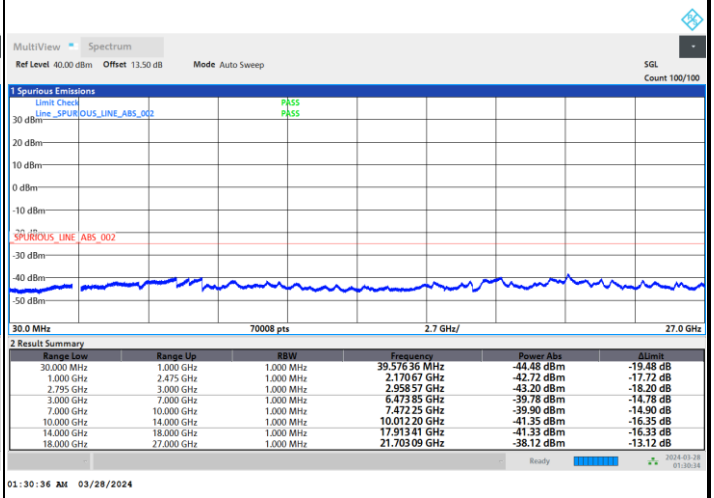
FR1 n41 / 10MHz / DFT-S OFDM / QPSK / 1RB1

Lowest Channel



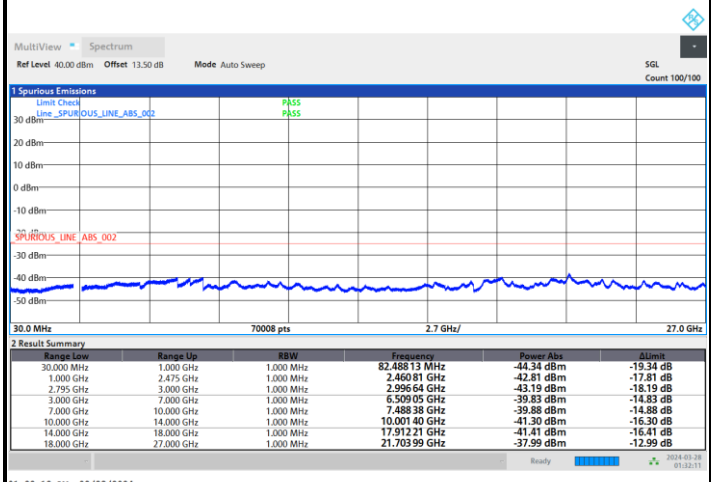
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	682.768 06 MHz	-44.53 dBm	-19.53 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.447 53 GHz	-42.85 dBm	-17.85 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.983 48 GHz	-43.31 dBm	-18.31 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.477 05 GHz	-39.81 dBm	-14.81 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.484 25 GHz	-40.01 dBm	-15.01 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.494 95 GHz	-41.48 dBm	-16.48 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.911 01 GHz	-41.29 dBm	-16.29 dB
18.000 GHz	27.000 GHz	1.000 MHz	21.695 44 GHz	-38.13 dBm	-13.13 dB

Middle Channel



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	39.576 36 MHz	-44.48 dBm	-19.48 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.170 67 GHz	-42.72 dBm	-17.72 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.958 57 GHz	-43.20 dBm	-18.20 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.473 85 GHz	-39.78 dBm	-14.78 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.472 25 GHz	-39.90 dBm	-14.90 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.012 20 GHz	-41.35 dBm	-16.35 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.913 41 GHz	-41.33 dBm	-16.33 dB
18.000 GHz	27.000 GHz	1.000 MHz	21.703 09 GHz	-38.12 dBm	-13.12 dB

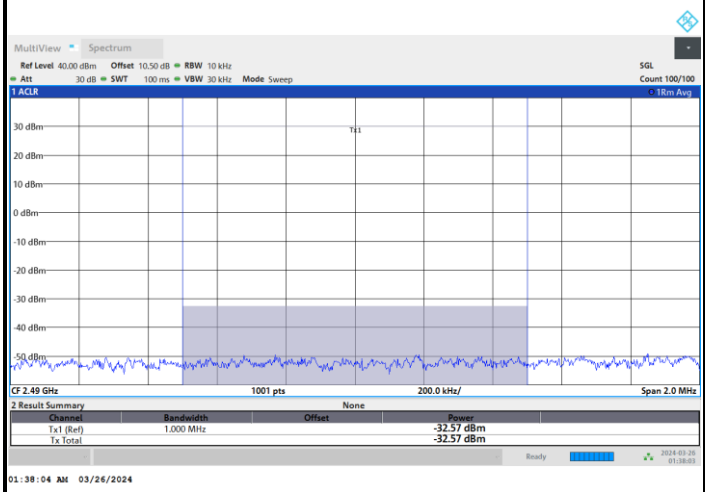
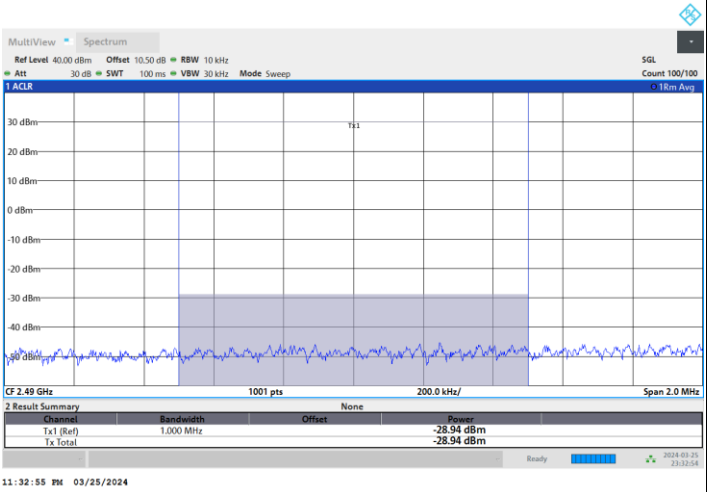
Highest Channel

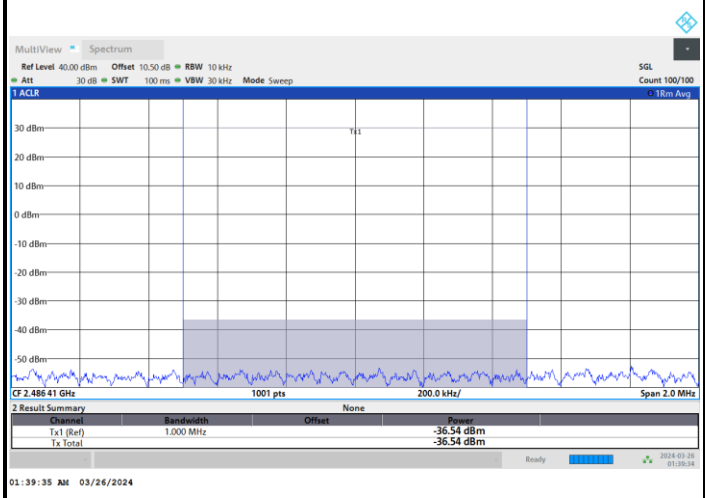
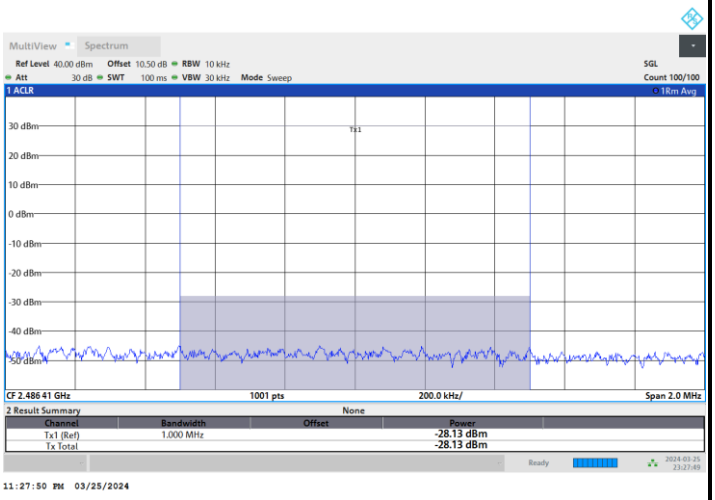


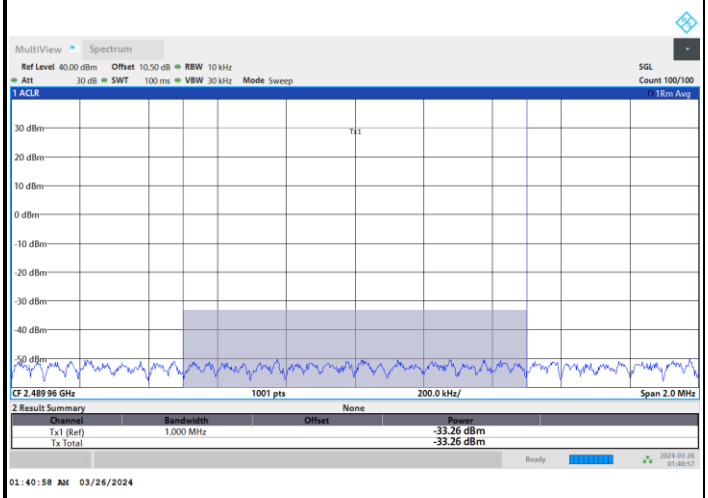
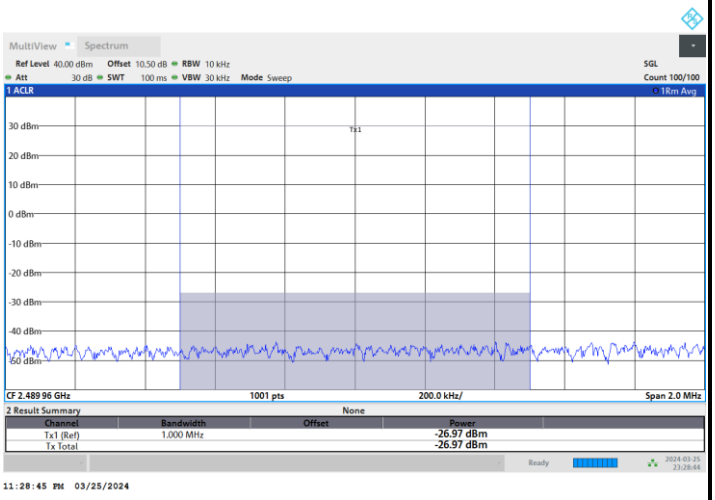
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	82.488 13 MHz	-44.34 dBm	-19.34 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.460 81 GHz	-42.81 dBm	-17.81 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.996 64 GHz	-43.19 dBm	-18.19 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.509 05 GHz	-39.83 dBm	-14.83 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.488 38 GHz	-39.88 dBm	-14.88 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.001 40 GHz	-41.30 dBm	-16.30 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.912 21 GHz	-41.41 dBm	-16.41 dB
18.000 GHz	27.000 GHz	1.000 MHz	21.703 99 GHz	-37.99 dBm	-12.99 dB

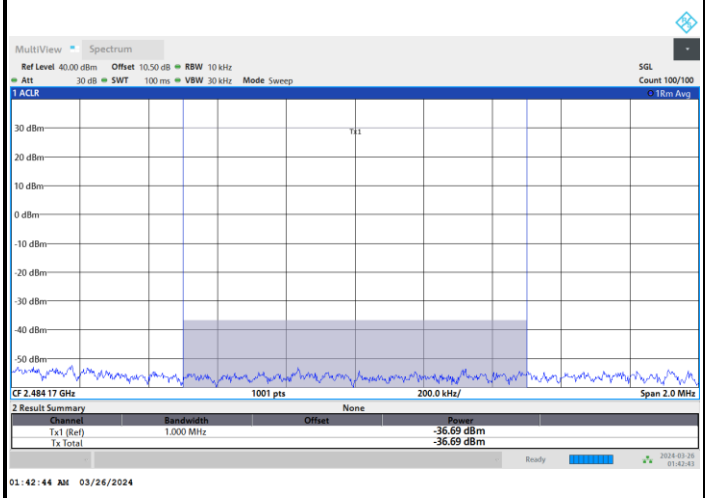
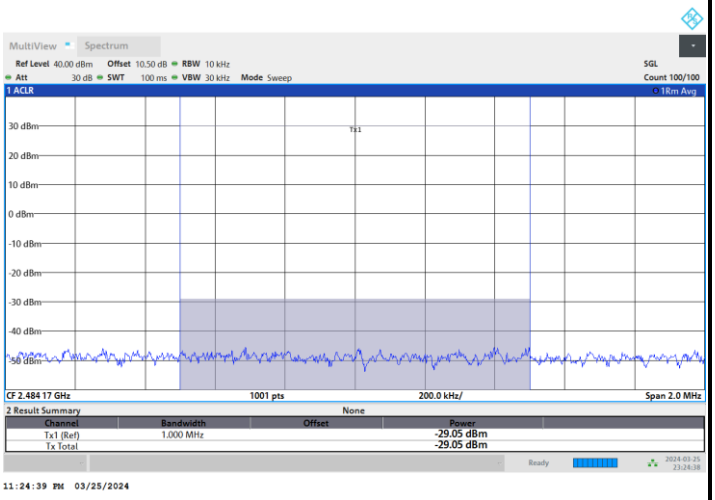
MIMO <Ant. 2+1>

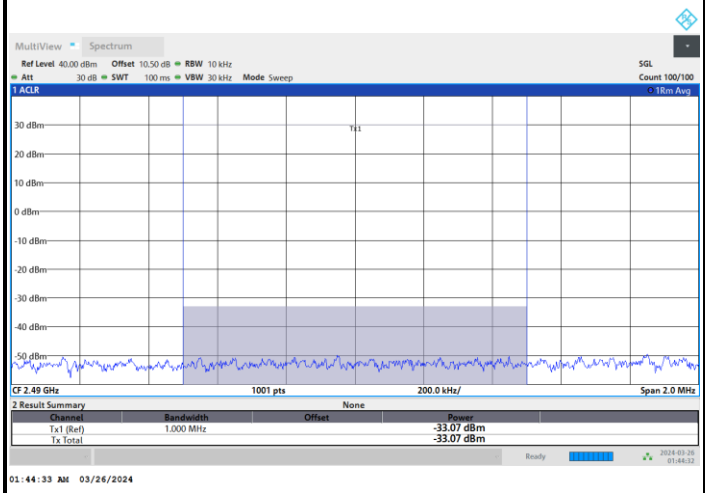
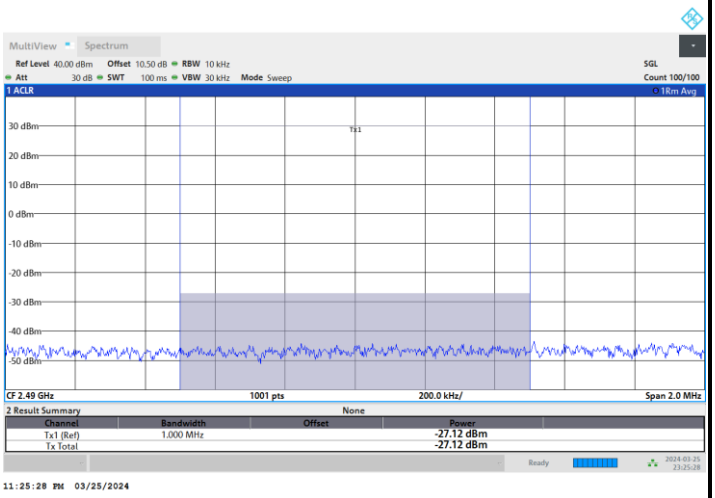
Conducted Band Edge

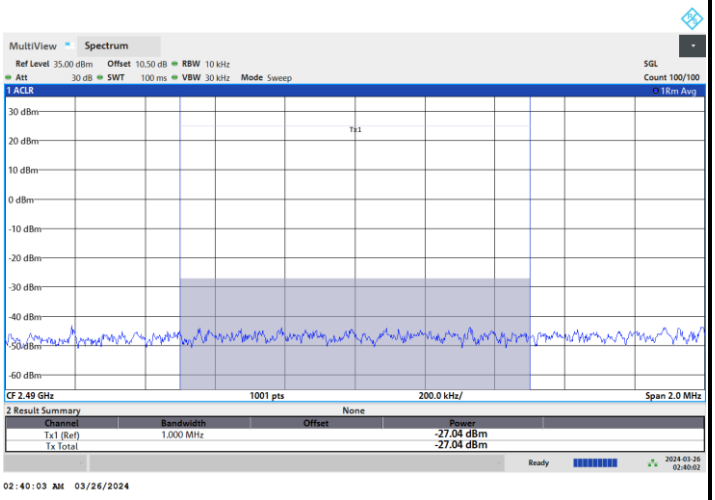
FR1 n41 / 20MHz / DFT-S OFDM / QPSK	
Lowest Band Edge / Outter Full RB / TX0	Lowest Band Edge / Outter Full RB / TX1
Channel power -32.57dBm/MHz	Channel power -28.94dBm/MHz
Comined Channel Power result -27.37dBm/MHz against limit -25dBm/MHz (Pass)	
	

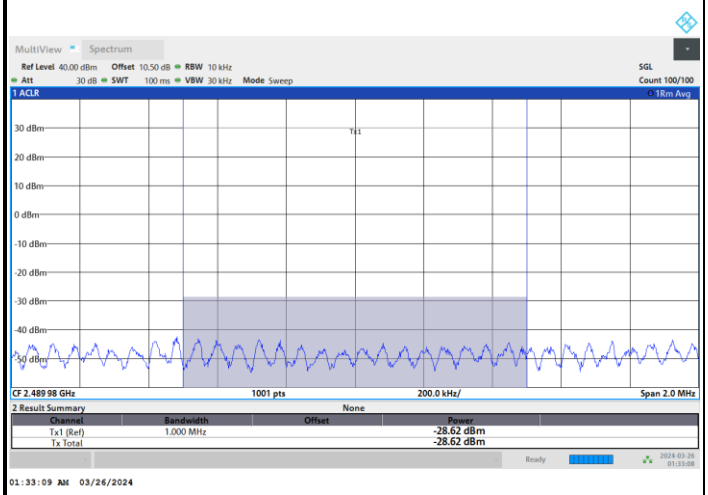
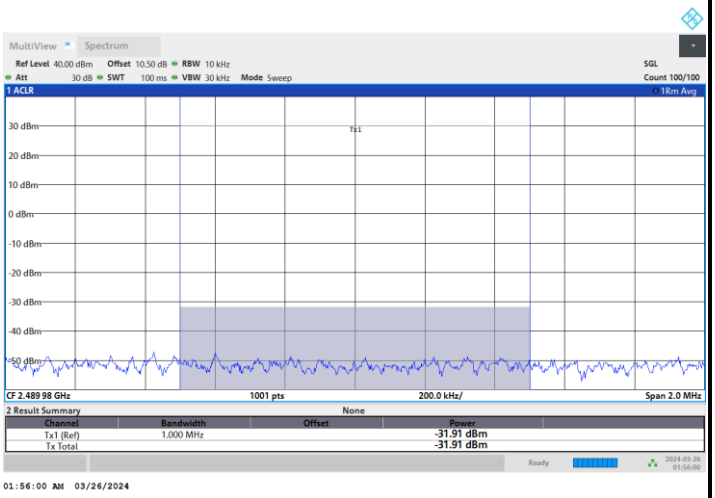
FR1 n41 / 25MHz / DFT-S OFDM / PI/2 BPSK	
Lowest Band Edge / Outter Full RB / TX0	Lowest Band Edge / Outter Full RB / TX1
Channel power -36.54dBm/MHz	Channel power -28.13dBm/MHz
Comined Channel Power result -27.54dBm/MHz against limit -25dBm/MHz (Pass)	
	

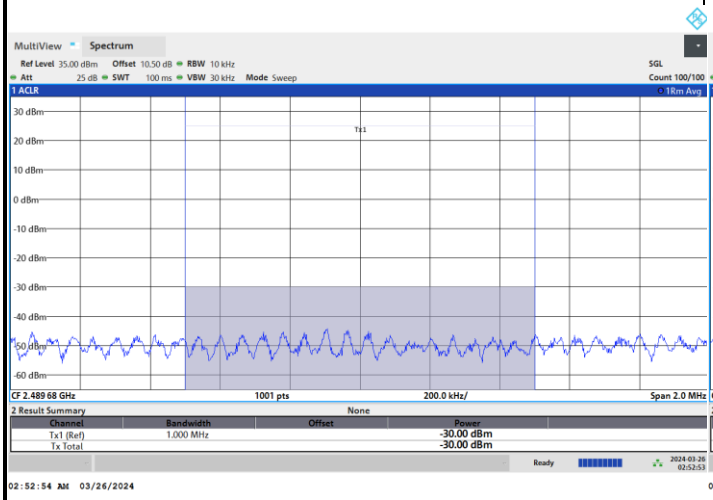
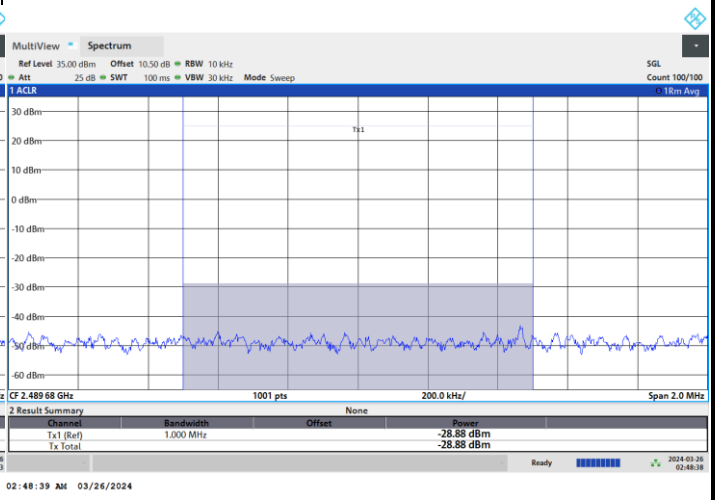
FR1 n41 / 25MHz / DFT-S OFDM / QPSK	
Lowest Band Edge / Outter Full RB / TX0	Lowest Band Edge / Outter Full RB / TX1
Channel power -33.26dBm/MHz	Channel power -26.97dBm/MHz
Comined Channel Power result -26.05dBm/MHz against limit -25dBm/MHz (Pass)	
	

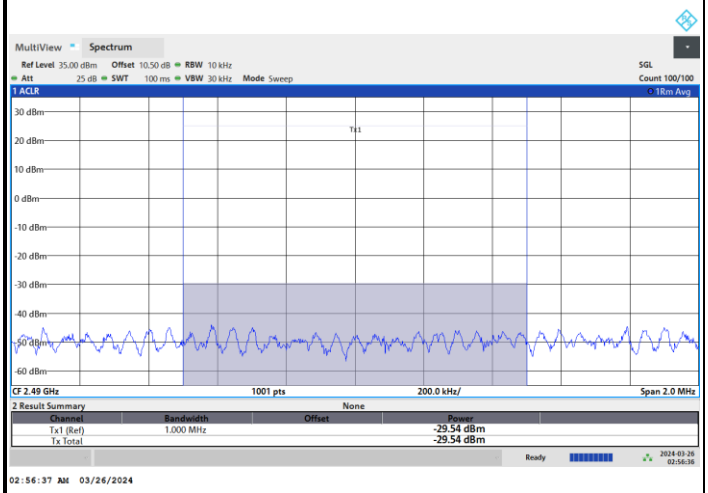
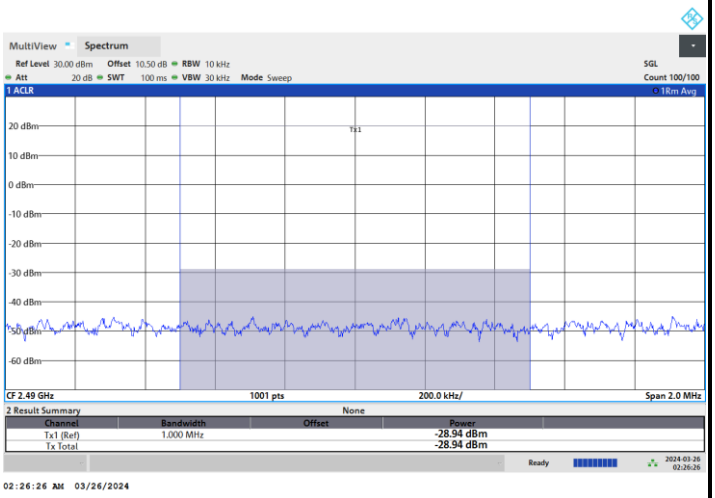
FR1 n41 / 30MHz / DFT-S OFDM / PI/2 BPSK	
Lowest Band Edge / Outter Full RB / TX0	Lowest Band Edge / Outter Full RB / TX1
Channel power -36.69dBm/MHz	Channel power -29.05dBm/MHz
Comined Channel Power result -28.36dBm/MHz against limit -25dBm/MHz (Pass)	
	

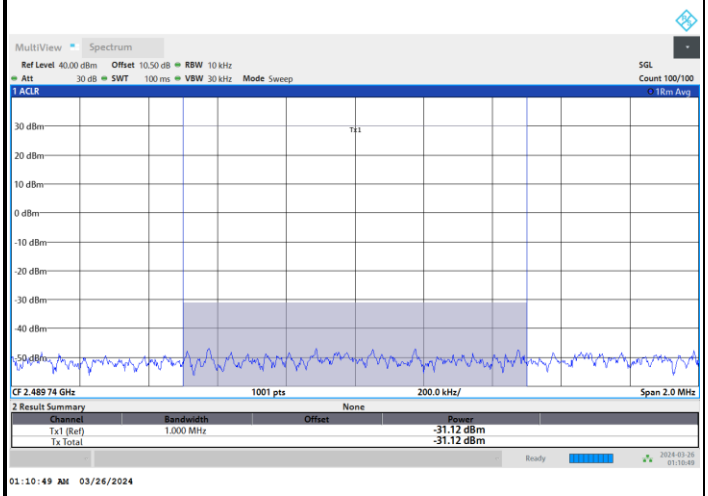
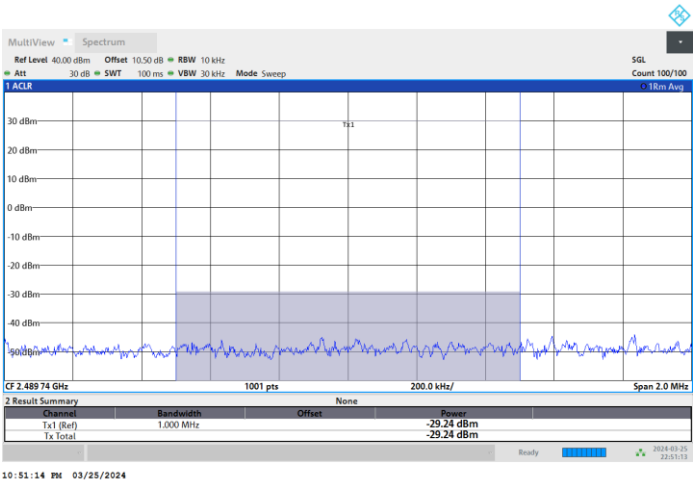
FR1 n41 / 30MHz / DFT-S OFDM / QPSK	
Lowest Band Edge / Outter Full RB / TX0	Lowest Band Edge / Outter Full RB / TX1
Channel power -33.07dBm/MHz	Channel power -27.12dBm/MHz
Comined Channel Power result -26.13dBm/MHz against limit -25dBm/MHz (Pass)	
	

FR1 n41 / 40MHz / DFT-S OFDM / QPSK	
Lowest Band Edge / Outter Full RB / TX0	Lowest Band Edge / Outter Full RB / TX1
Channel power -33.28dBm/MHz	Channel power -27.04dBm/MHz
Comined Channel Power result -26.11dBm/MHz against limit -25dBm/MHz (Pass)	
	

FR1 n41 / 50MHz / DFT-S OFDM / PI/2 BPSK	
Lowest Band Edge / Outter Full RB / TX0	Lowest Band Edge / Outter Full RB / TX1
Channel power -28.62dBm/MHz	Channel power -31.91dBm/MHz
Comined Channel Power result -26.95dBm/MHz against limit -25dBm/MHz (Pass)	
	

FR1 n41 / 50MHz / DFT-S OFDM / PI/2 BPSK	
Lowest Band Edge / Outter Full RB / TX0	Lowest Band Edge / Outter Full RB / TX1
Channel power -30dBm/MHz	Channel power -28.88dBm/MHz
Comined Channel Power result -26.39dBm/MHz against limit -25dBm/MHz (Pass)	
	

FR1 n41 / 50MHz / DFT-S OFDM / PI/2 BPSK	
Lowest Band Edge / Outter Full RB / TX0	Lowest Band Edge / Outter Full RB / TX1
Channel power -29.54dBm/MHz	Channel power -28.94dBm/MHz
Comined Channel Power result -26.21dBm/MHz against limit -25dBm/MHz (Pass)	
	

FR1 n41 / 100MHz / DFT-S OFDM / PI/2 BPSK	
Lowest Band Edge / Outter Full RB / TX0	Lowest Band Edge / Outter Full RB / TX1
Channel power -31.12dBm/MHz	Channel power -29.24dBm/MHz
Comined Channel Power result -27.06dBm/MHz against limit -25dBm/MHz (Pass)	
	

<MIMO Mode>

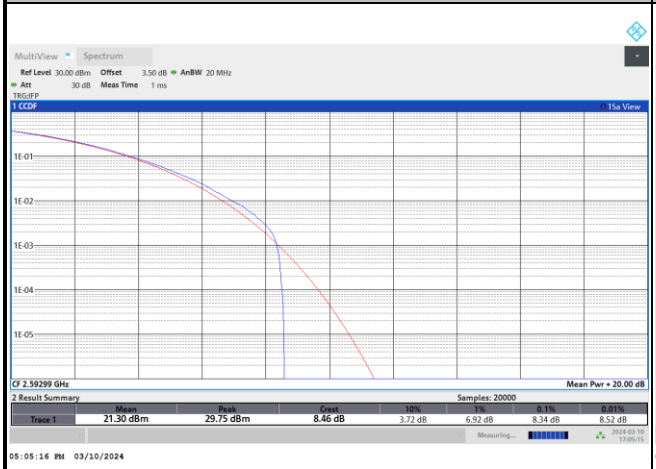
MIMO <Ant. 2+1> (2)

Peak-to-Average Ratio

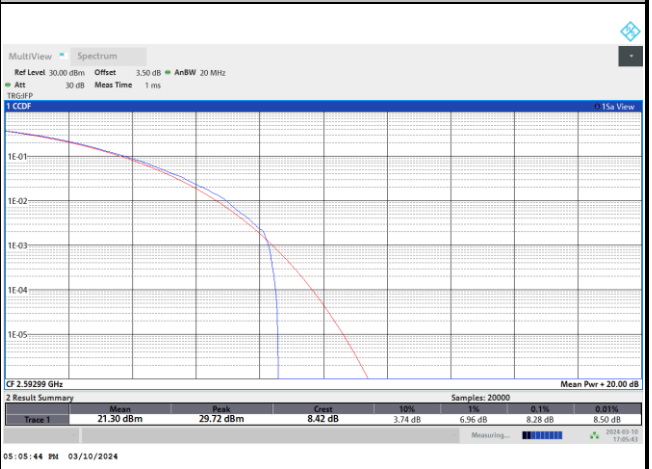
Mode	FR1 n41 / 20MHz / CP OFDM				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	8.34	8.28	8.18	8.54	PASS

FR1 n41 / 20MHz /CP OFDM / Middle Channel / Full RB

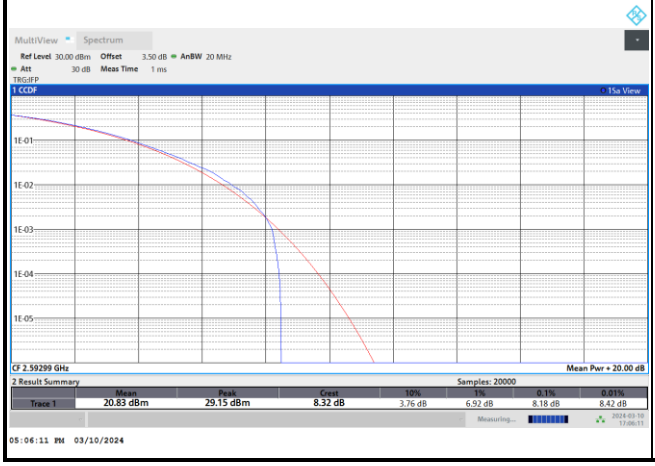
QPSK



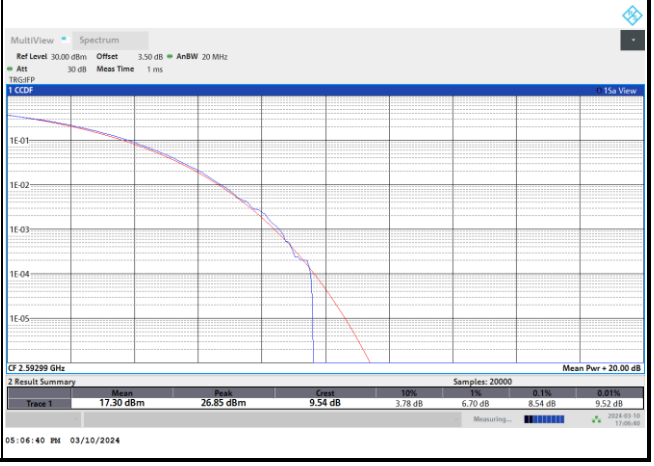
16QAM



64QAM



256QAM



26dB Bandwidth

Mode	FR1 n41 : 26dB BW(MHz) / CP OFDM							
BW	10MHz		15MHz		20MHz		25MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	10.64	10.42	15.83	15.66	20.65	20.52	25.78	25.63
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	10.61	10.28	15.38	15.30	20.52	20.44	25.66	25.95
BW	30MHz		40MHz		50MHz		60MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	31.05	31.04	42.73	43.33	52.49	52.21	69.52	67.63
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	31.17	31.12	43.17	42.86	51.88	51.83	67.18	66.95
BW	70MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	76.23	77.43	84.40	83.89	95.94	96.16	106.30	106.36
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	76.07	77.17	83.47	84.26	96.43	97.42	107.00	106.54