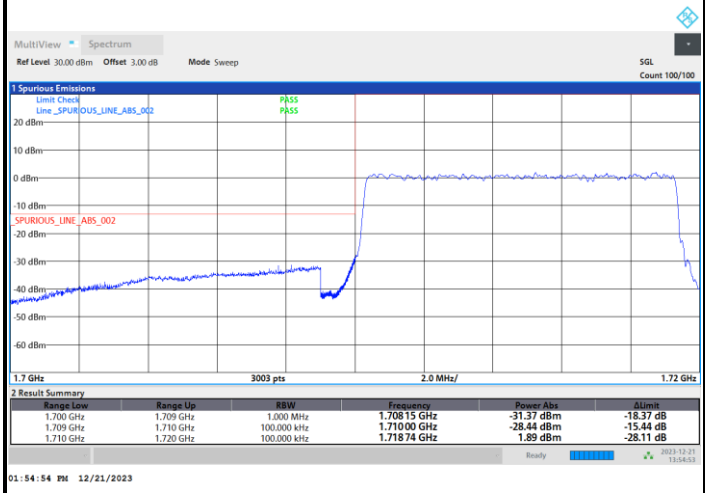
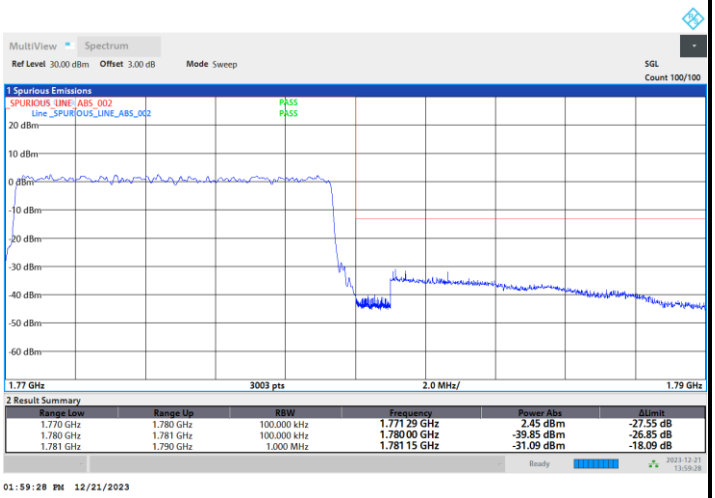
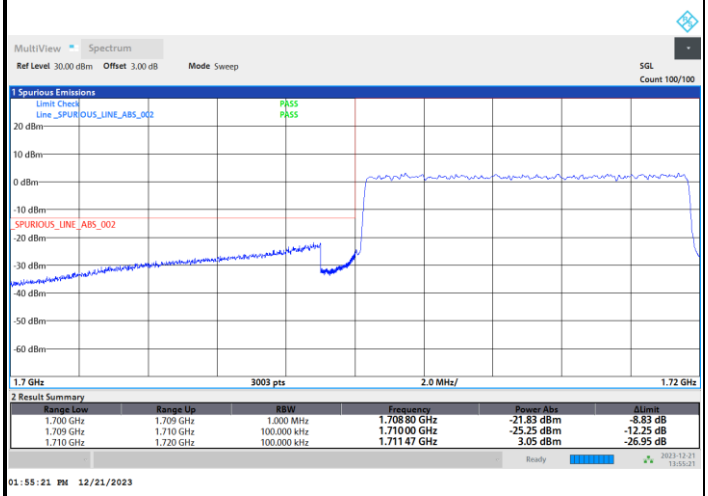
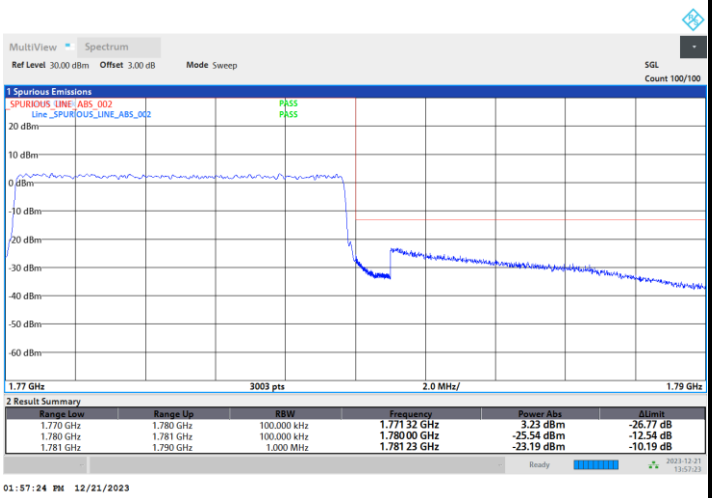
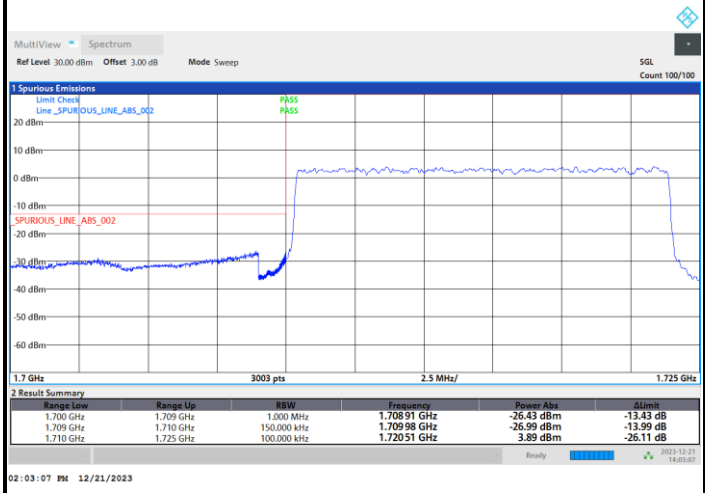
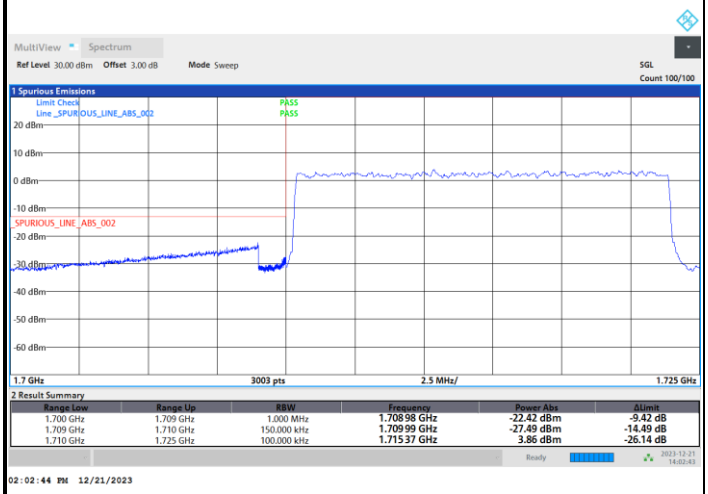
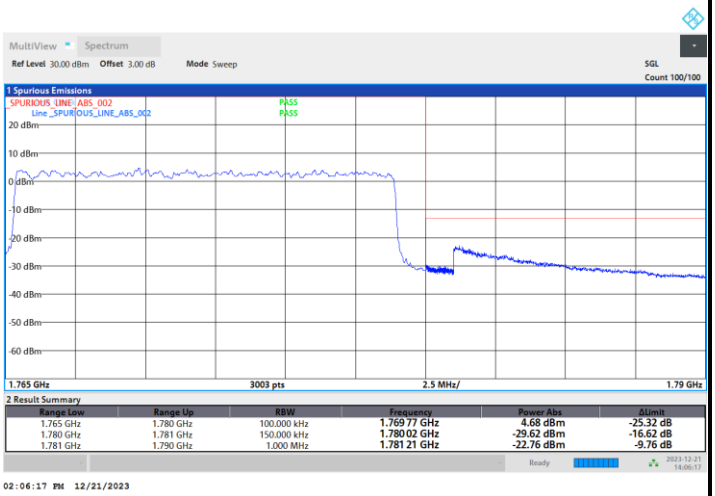
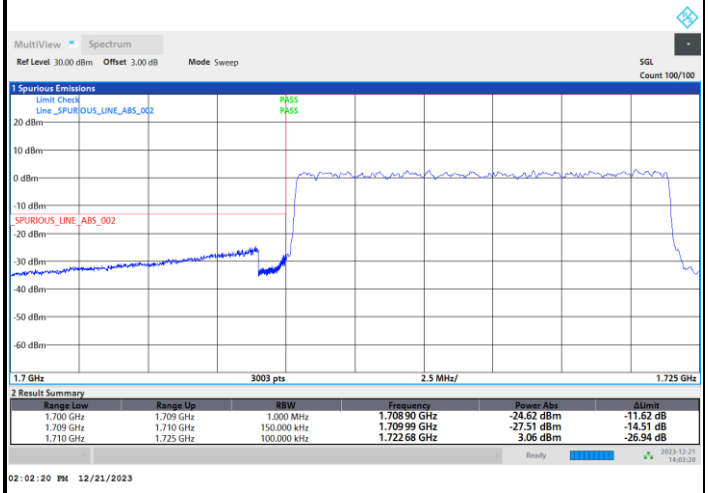
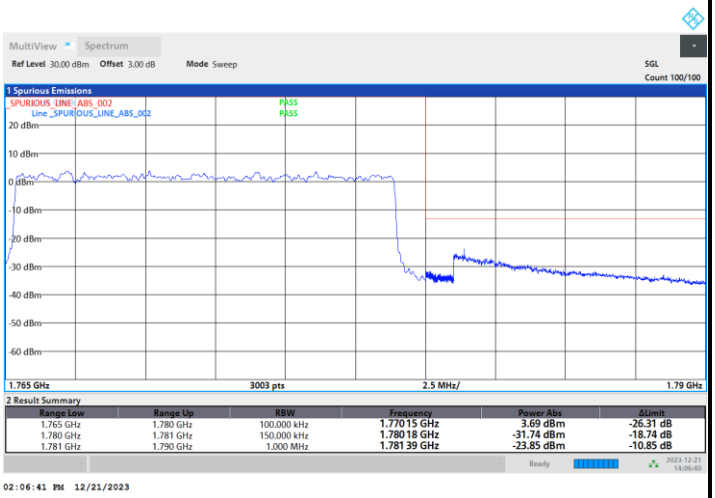
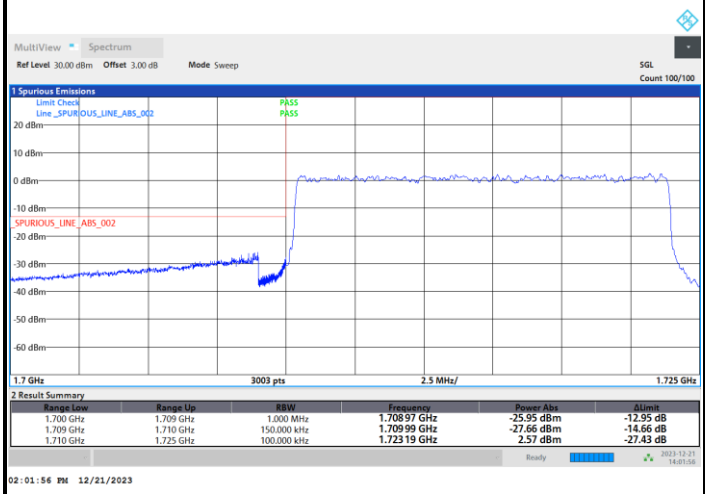
FR1 n66 / 10MHz / DFT-s-OFDM / 256QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

FR1 n66 / 10MHz / CP OFDM / QPSK / Full RB	
Lowest Band Edge	**Highest Band Edge**
	

FR1 n66 / 15MHz / DFT-s-OFDM / PI/2 BPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

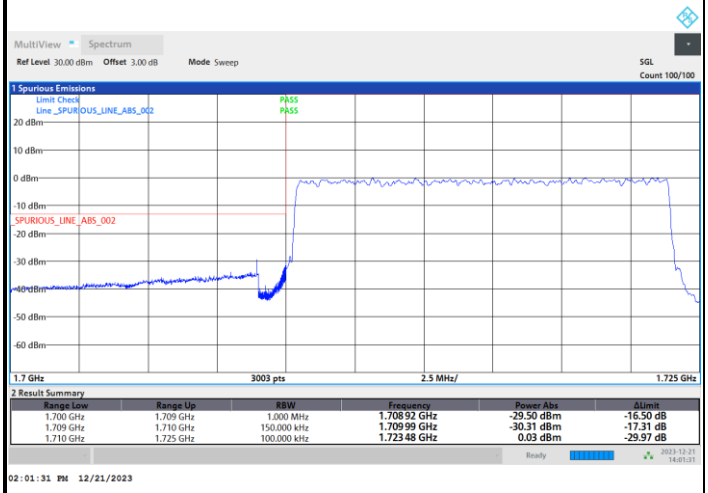
FR1 n66 / 15MHz / DFT-s-OFDM / QPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

FR1 n66 / 15MHz / DFT-s-OFDM / 16QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

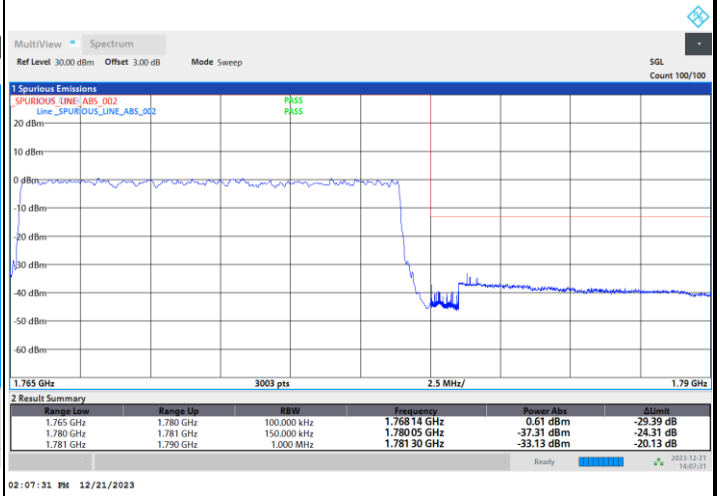
FR1 n66 / 15MHz / DFT-s-OFDM / 64QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

FR1 n66 / 15MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / Full RB

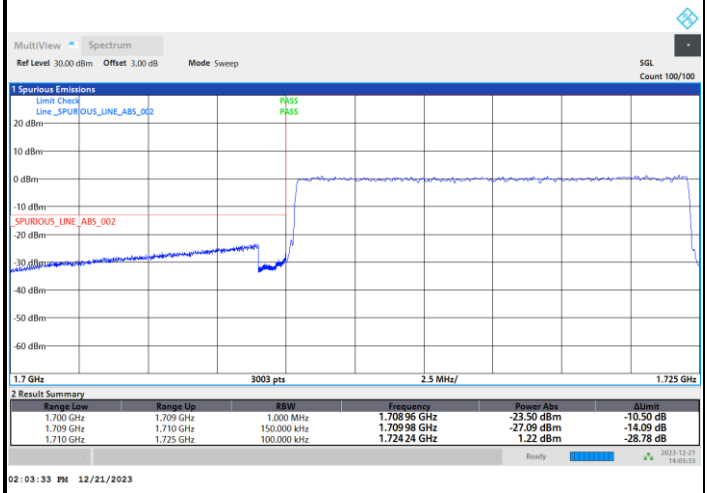


Highest Band Edge / Full RB

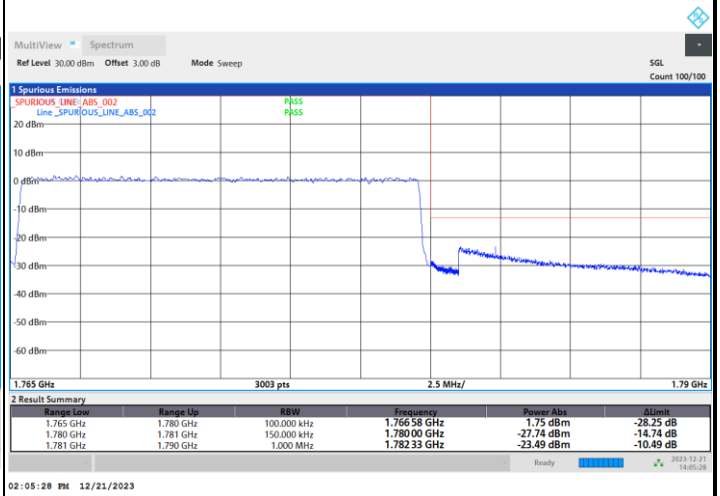


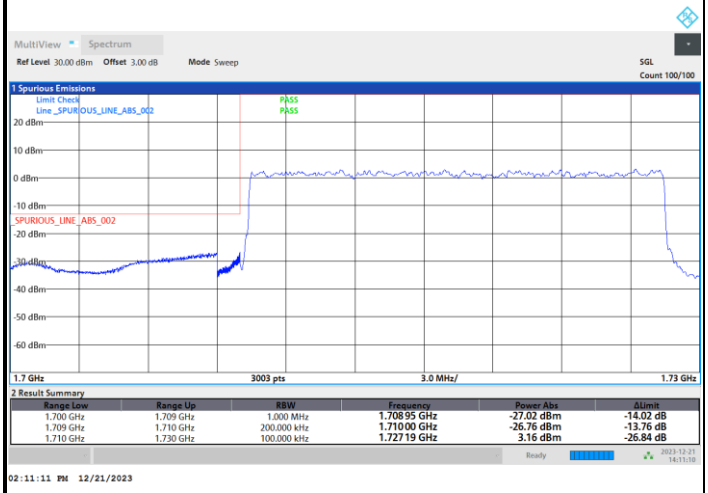
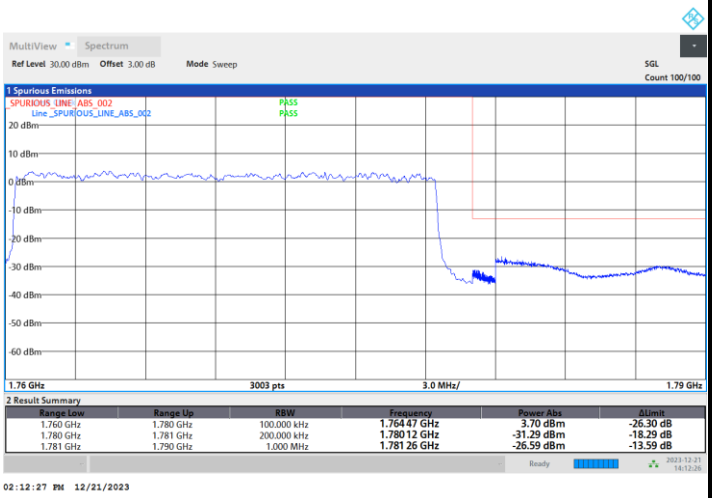
FR1 n66 / 15MHz / CP OFDM / QPSK / Full RB

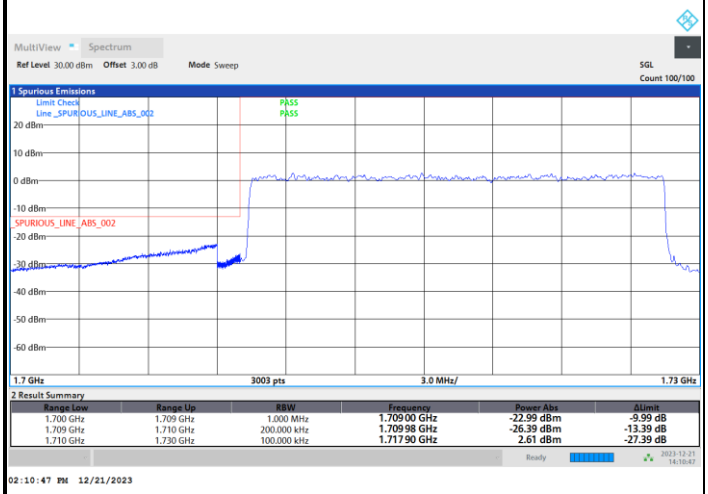
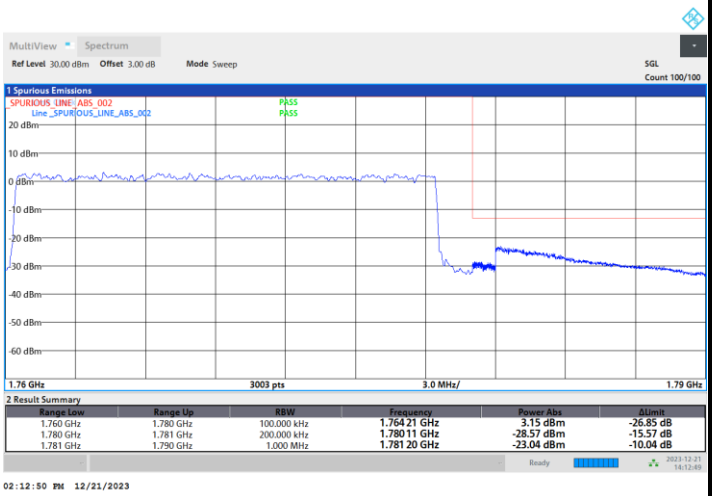
Lowest Band Edge

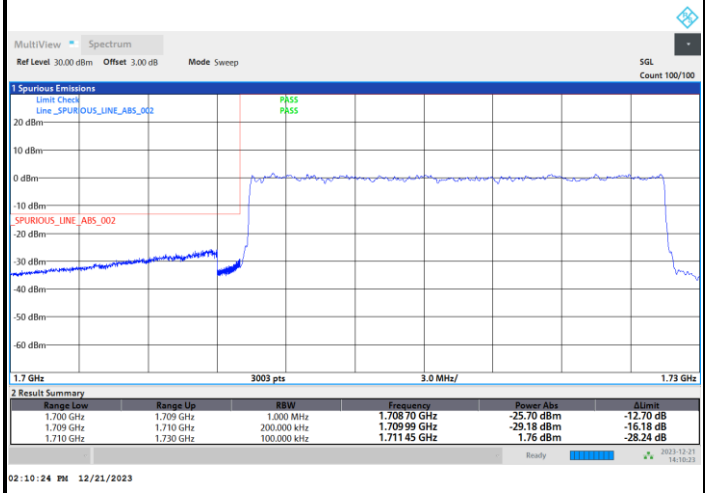
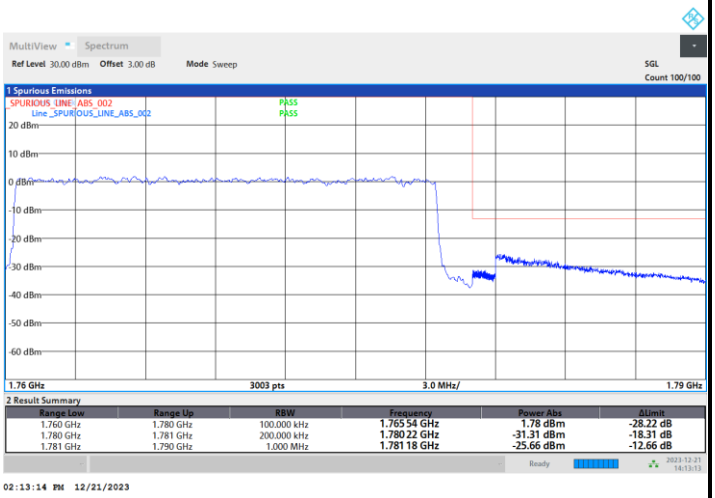


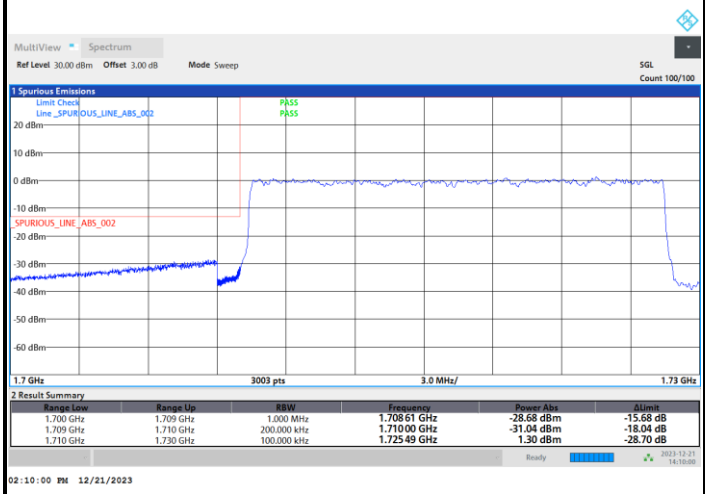
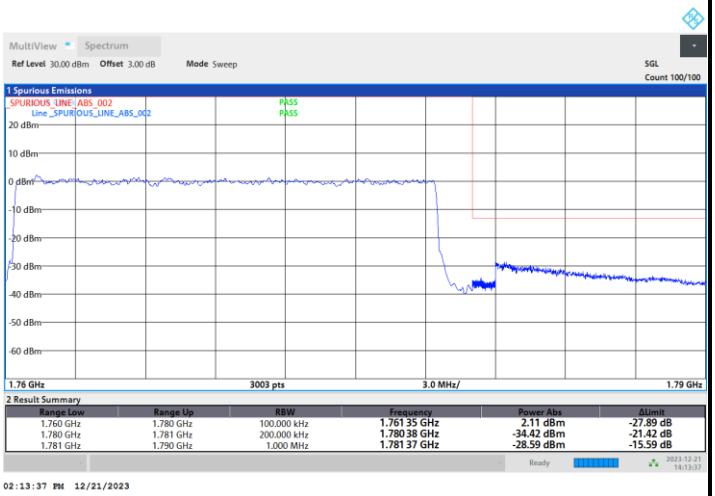
Highest Band Edge



FR1 n66 / 20MHz / DFT-s-OFDM / PI/2 BPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

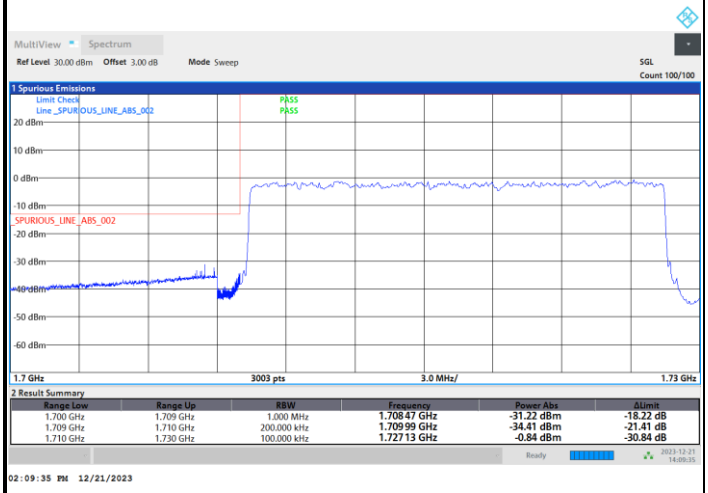
FR1 n66 / 20MHz / DFT-s-OFDM / QPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

FR1 n66 / 20MHz / DFT-s-OFDM / 16QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

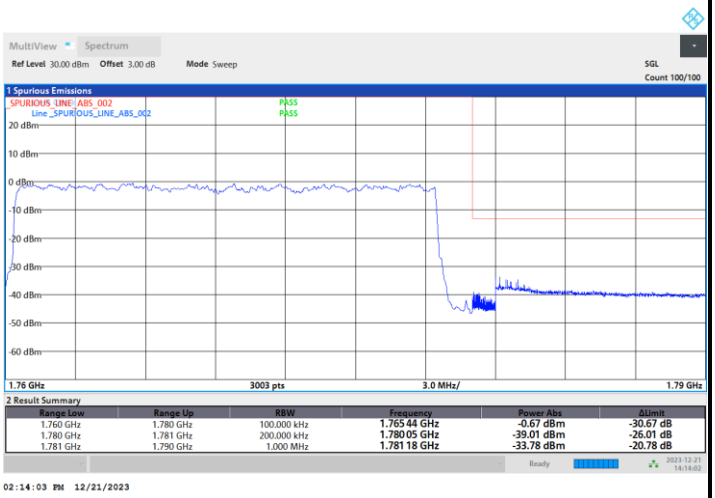
FR1 n66 / 20MHz / DFT-s-OFDM / 64QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

FR1 n66 / 20MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / Full RB

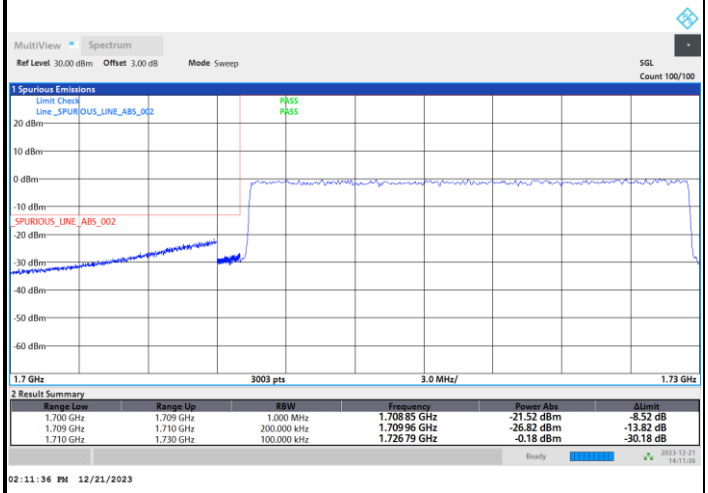


Highest Band Edge / Full RB

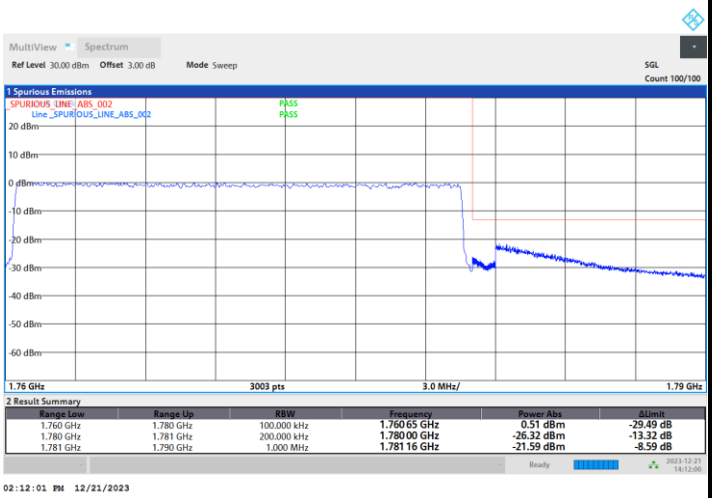


FR1 n66 / 20MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge

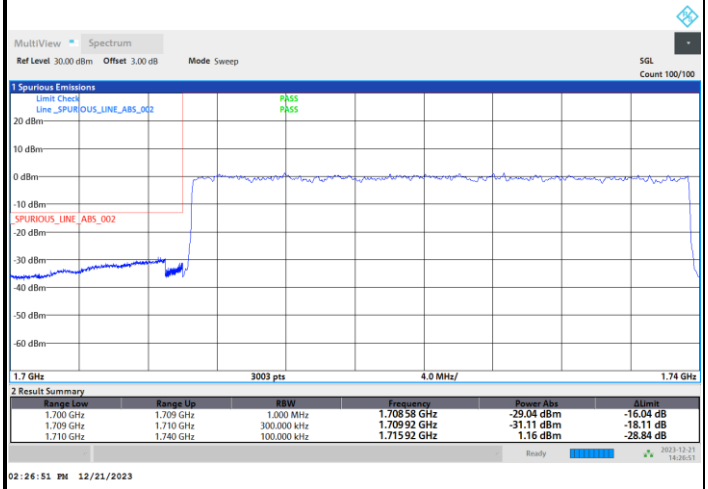


Highest Band Edge

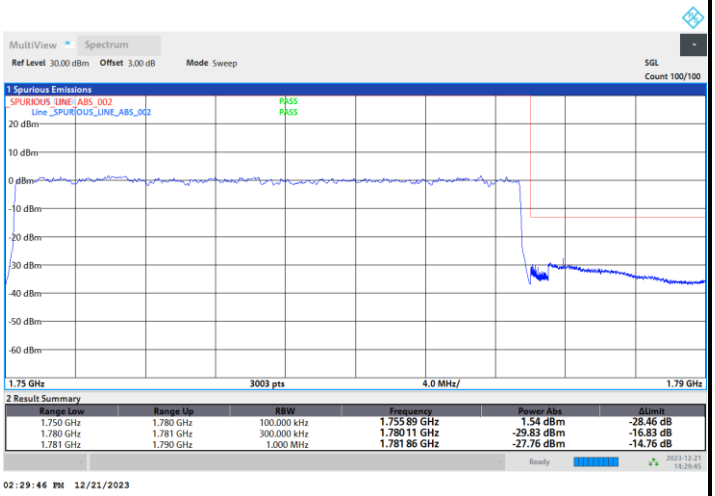


FR1 n66 / 30MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

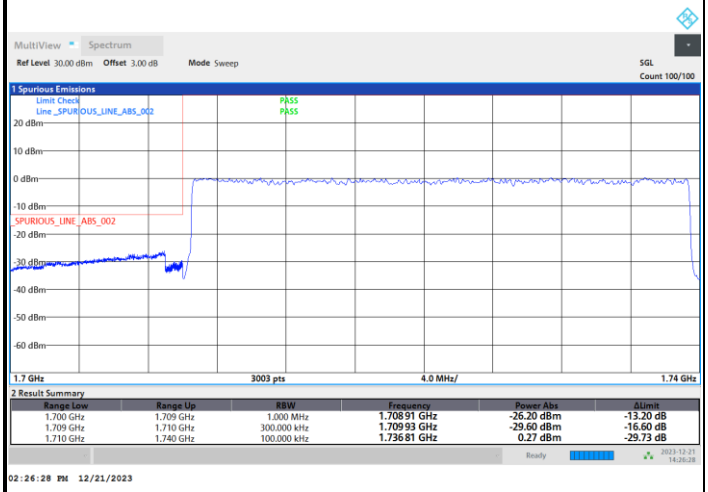


Highest Band Edge / Full RB

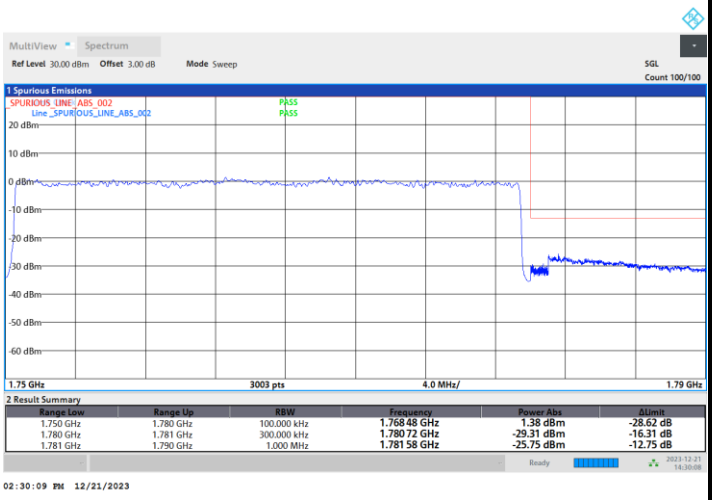


FR1 n66 / 30MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / Full RB

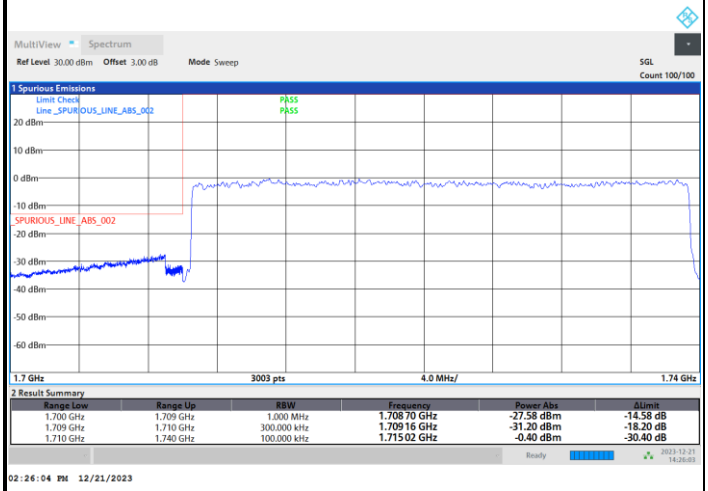


Highest Band Edge / Full RB

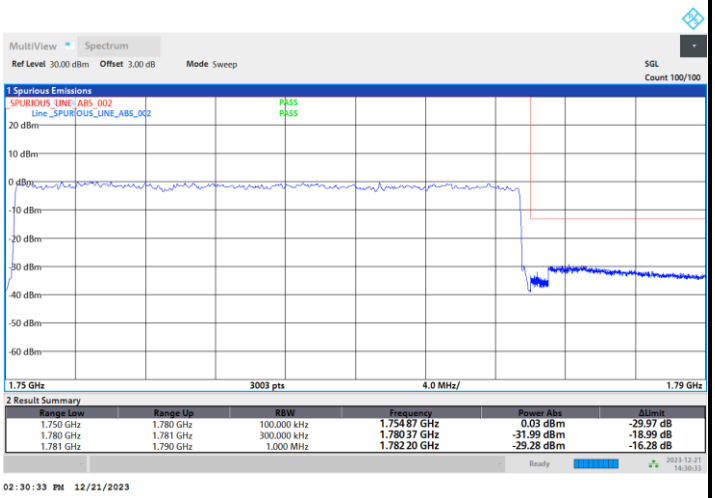


FR1 n66 / 30MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / Full RB

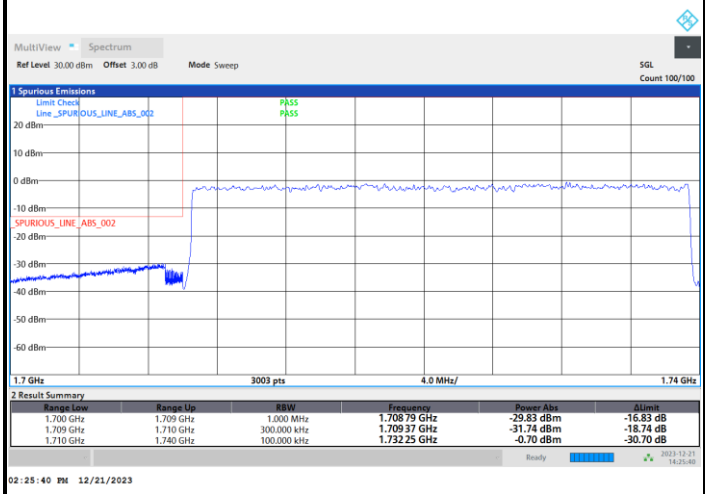


Highest Band Edge / Full RB

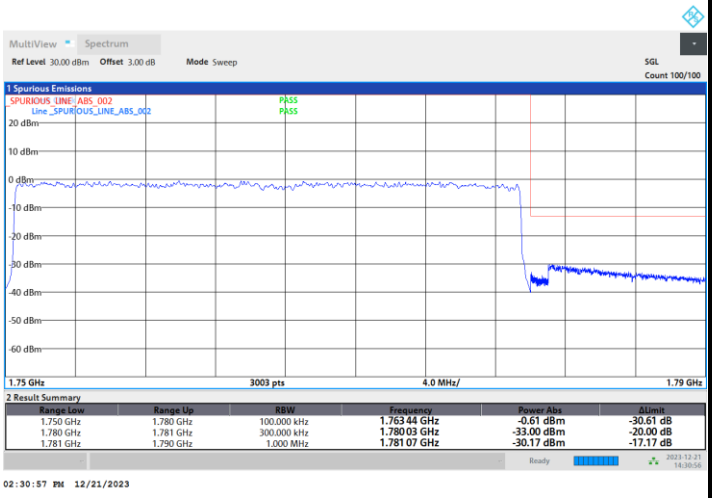


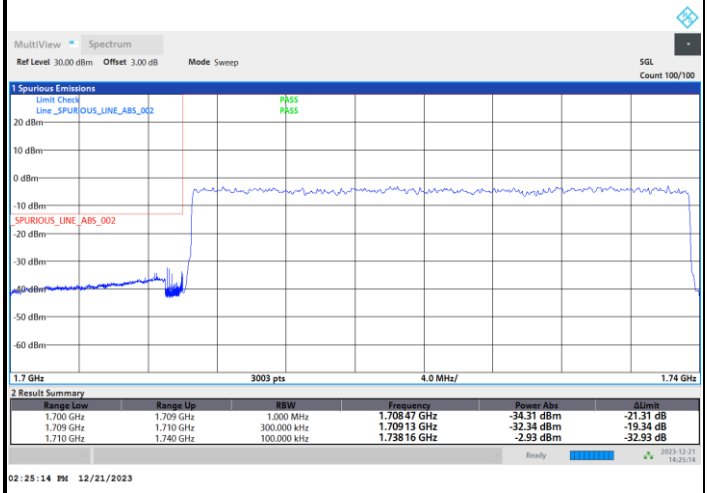
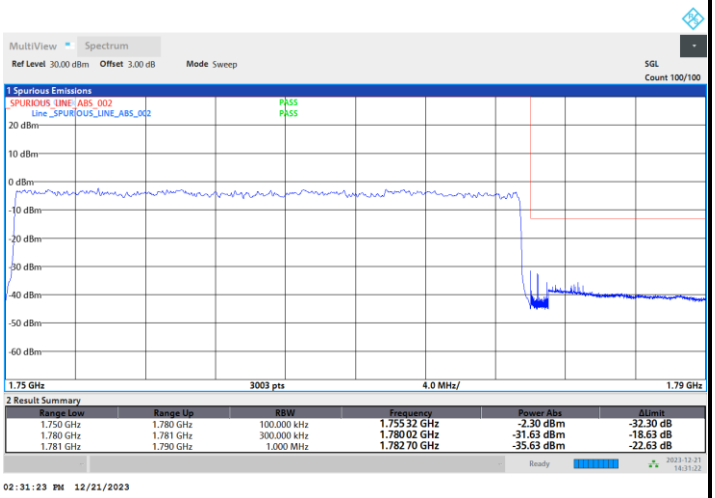
FR1 n66 / 30MHz / DFT-s-OFDM / 64QAM

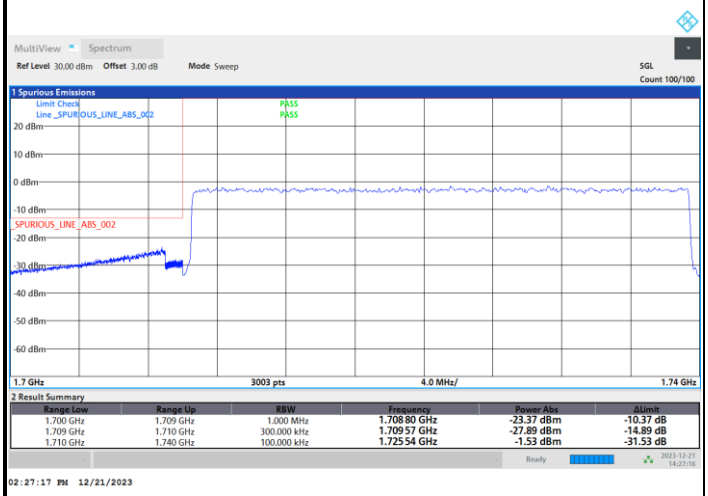
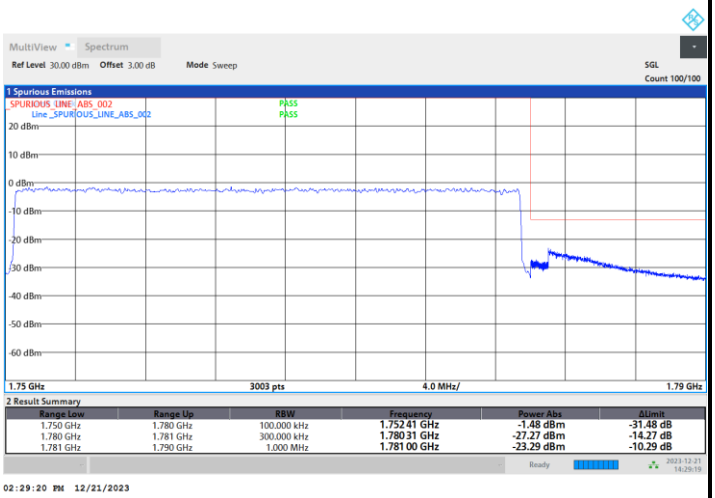
Lowest Band Edge / Full RB



Highest Band Edge / Full RB

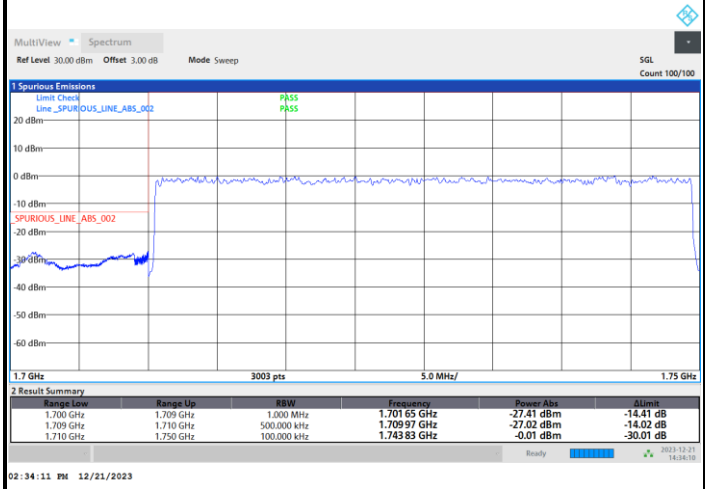


FR1 n66 / 30MHz / DFT-s-OFDM / 256QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

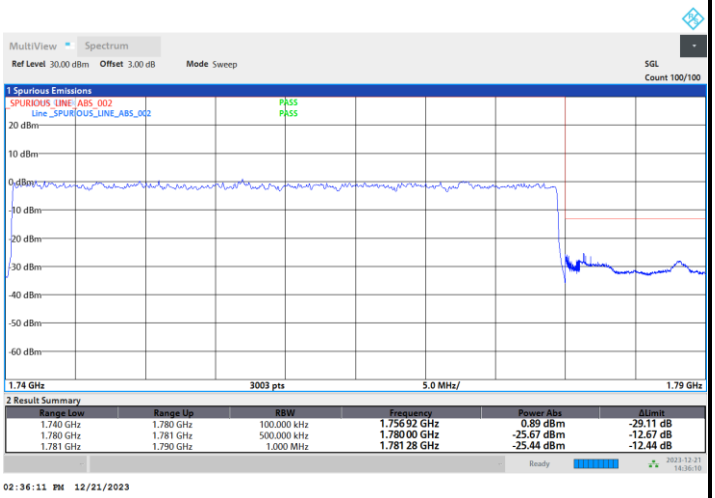
FR1 n66 / 30MHz / CP OFDM / QPSK / Full RB	
Lowest Band Edge	**Highest Band Edge**
	

FR1 n66 / 40MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

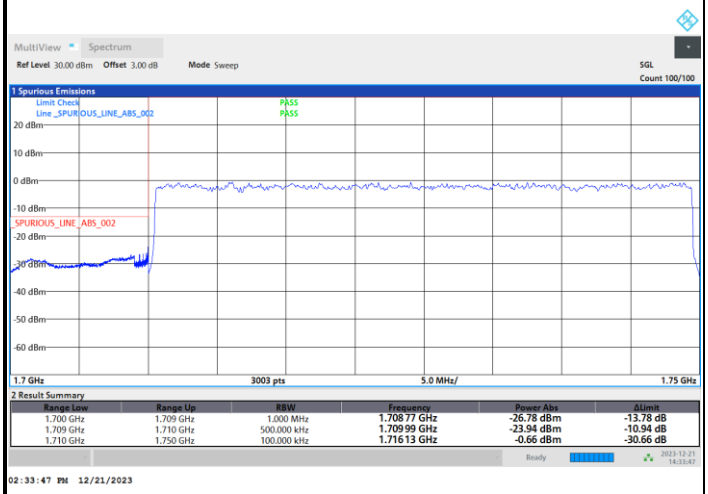


Highest Band Edge / Full RB

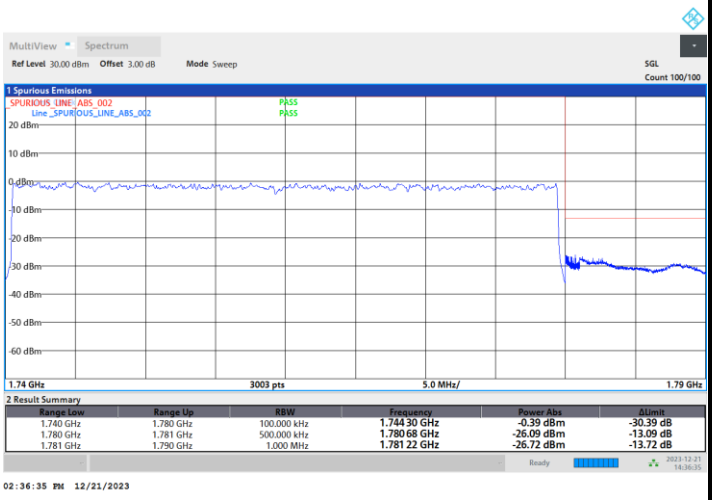


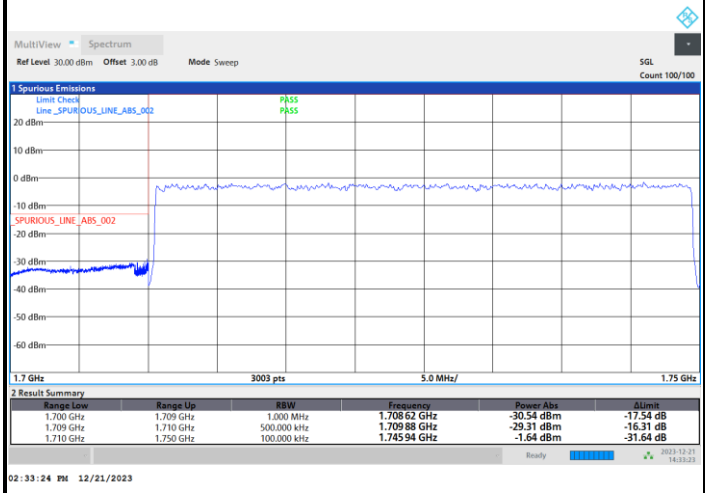
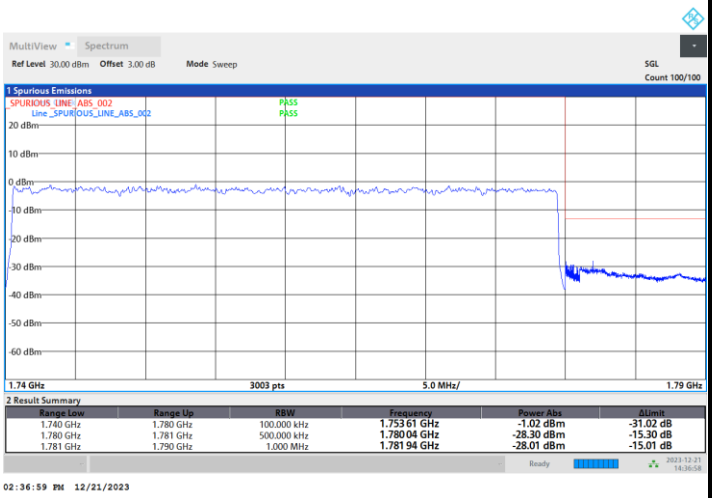
FR1 n66 / 40MHz / DFT-s-OFDM / QPSK

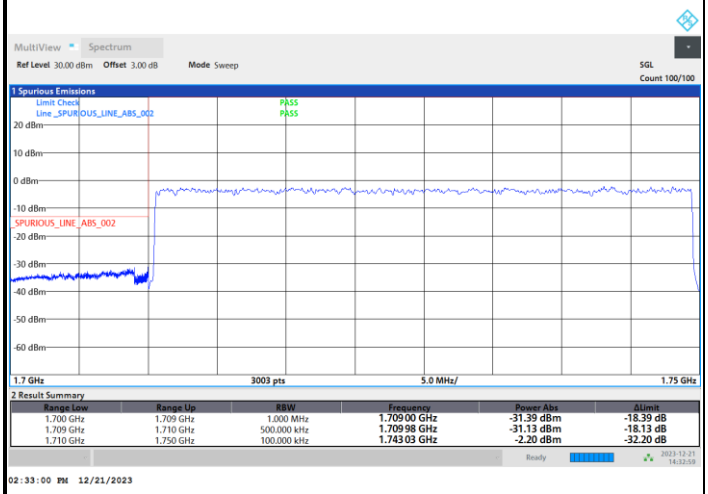
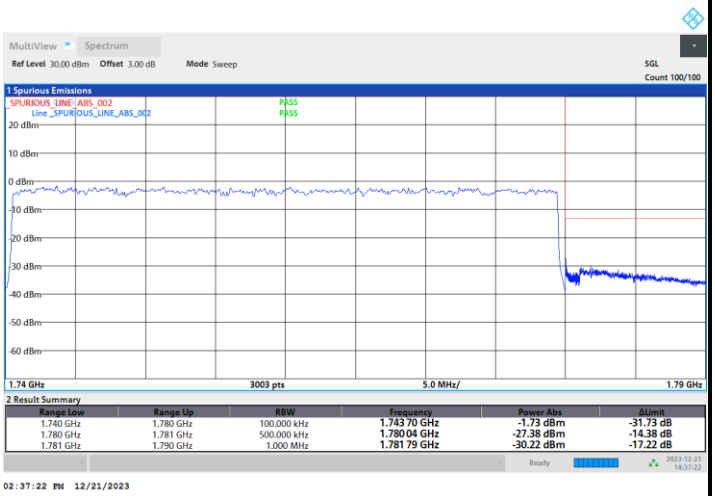
Lowest Band Edge / Full RB

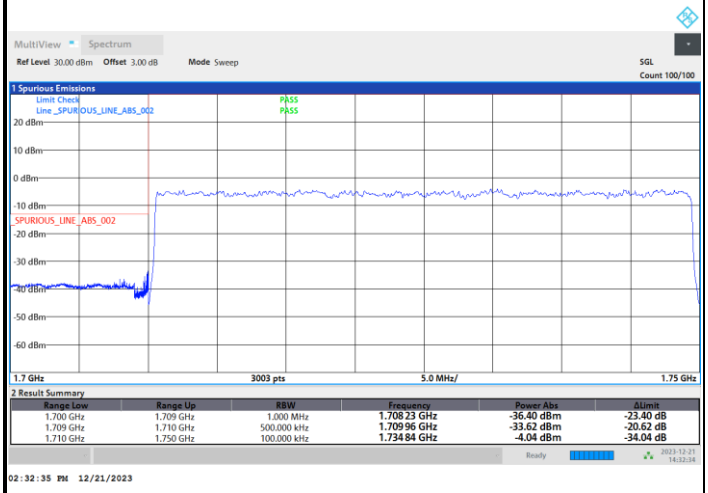
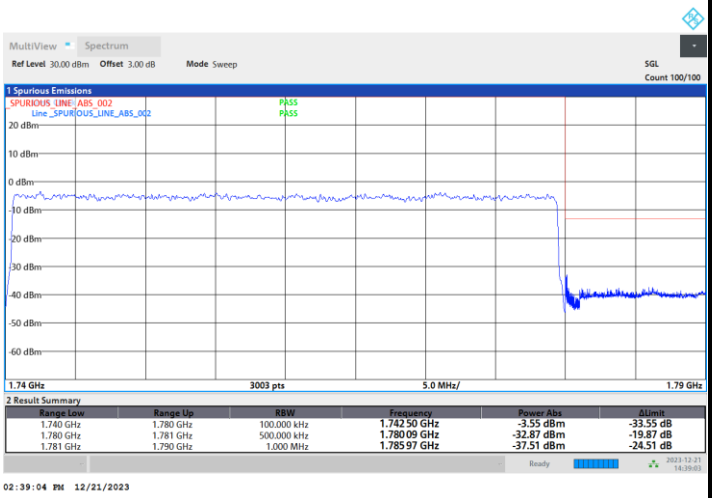


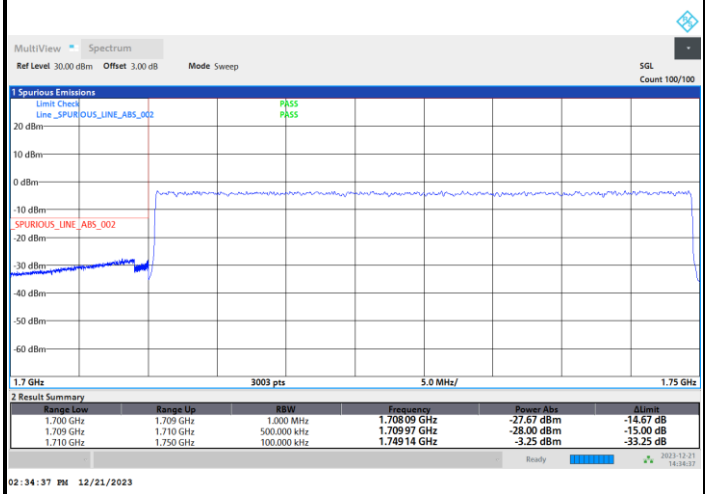
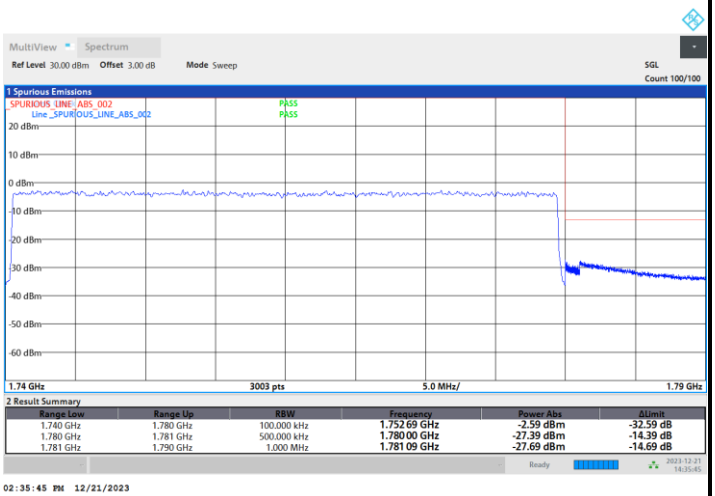
Highest Band Edge / Full RB



FR1 n66 / 40MHz / DFT-s-OFDM / 16QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

FR1 n66 / 40MHz / DFT-s-OFDM / 64QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

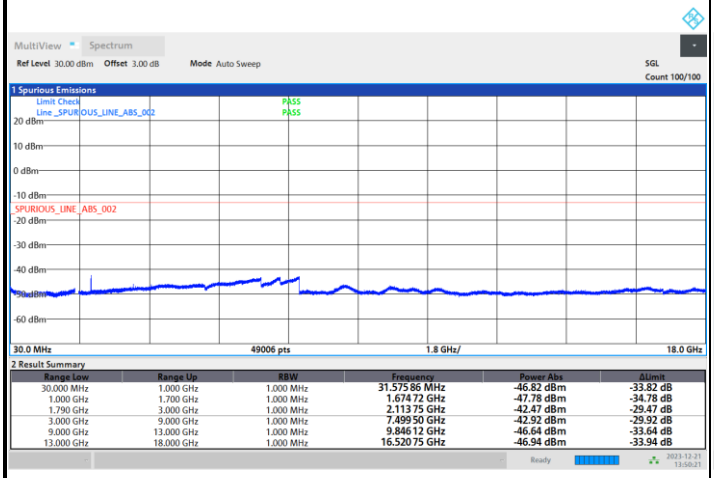
FR1 n66 / 40MHz / DFT-s-OFDM / 256QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

FR1 n66 / 40MHz / CP OFDM / QPSK / Full RB	
Lowest Band Edge	**Highest Band Edge**
	

Conducted Spurious Emission

FR1 n66 / 5MHz / 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	31.575 86 MHz	-46.82 dBm	-33.82 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.674 72 GHz	-47.78 dBm	-34.78 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.113 75 GHz	-42.47 dBm	-29.47 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.499 50 GHz	-42.92 dBm	-29.92 dB
9.000 GHz	13.000 GHz	1.000 MHz	9.846 12 GHz	-46.64 dBm	-33.64 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.520 75 GHz	-46.94 dBm	-33.94 dB

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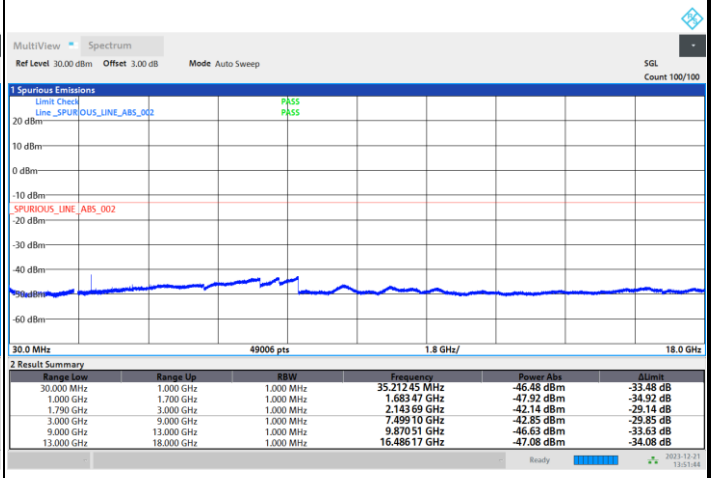
Middle Channel



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	35.212 45 MHz	-46.48 dBm	-33.48 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.683 47 GHz	-47.92 dBm	-34.92 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.143 69 GHz	-42.14 dBm	-29.14 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.499 10 GHz	-42.85 dBm	-29.85 dB
9.000 GHz	13.000 GHz	1.000 MHz	9.870 51 GHz	-46.63 dBm	-33.63 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.486 17 GHz	-47.08 dBm	-34.08 dB

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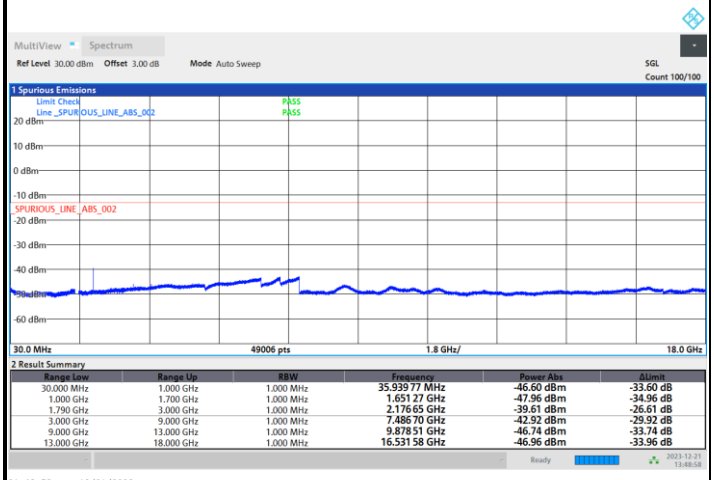
Highest Channel



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	35.939 77 MHz	-46.60 dBm	-33.60 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.651 27 GHz	-47.96 dBm	-34.96 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.176 65 GHz	-39.61 dBm	-26.61 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.486 70 GHz	-42.92 dBm	-29.92 dB
9.000 GHz	13.000 GHz	1.000 MHz	9.878 51 GHz	-46.74 dBm	-33.74 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.531 58 GHz	-46.96 dBm	-33.96 dB

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Frequency Stability

Test Conditions		FR1 n66 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0021	PASS
40	Normal Voltage	0.0163	
30	Normal Voltage	0.0209	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0154	
0	Normal Voltage	0.0044	
-10	Normal Voltage	0.0075	
-20	Normal Voltage	0.0064	
-30	Normal Voltage	0.0164	
20	Maximum Voltage	0.0194	
20	Normal Voltage	0.0095	
20	Battery End Point	0.0131	

Note:

1. Normal Voltage = 3.8 V.；Battery End Point (BEP) = 3.6 V.；Maximum Voltage = 4.2 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

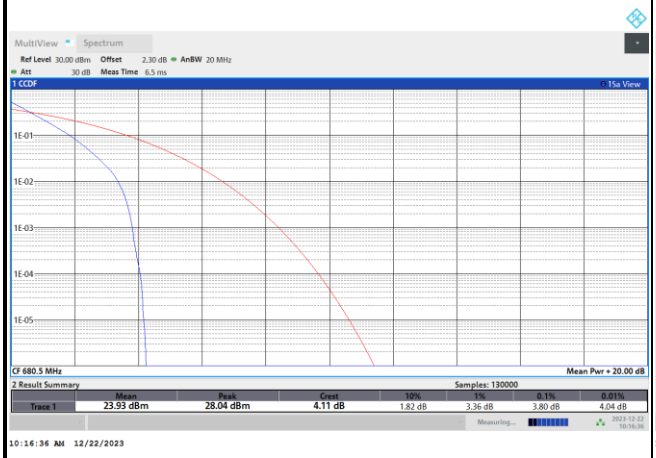
FR1 n71

Peak-to-Average Ratio

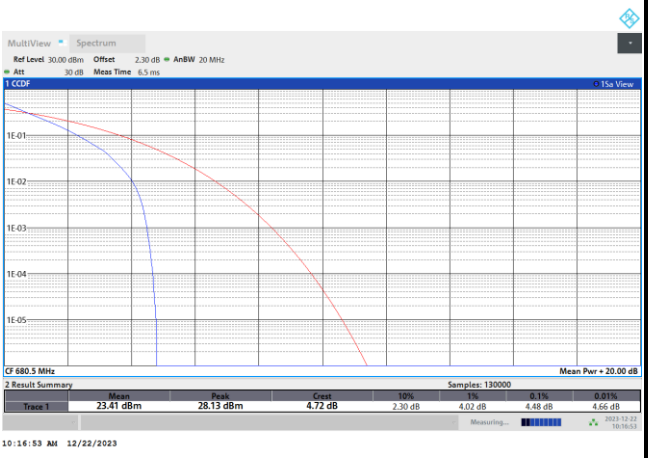
Mode	FR1 n71 / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	3.80	4.48	5.56	5.90	PASS
Mode	FR1 n71 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.52				PASS

FR1 n71 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

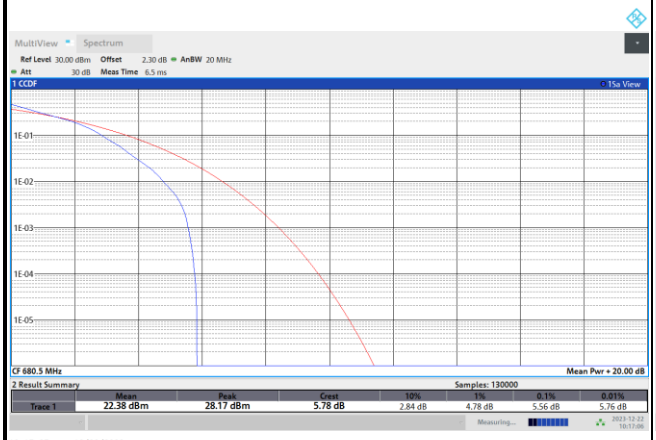
PI/2 BPSK



QPSK



16QAM



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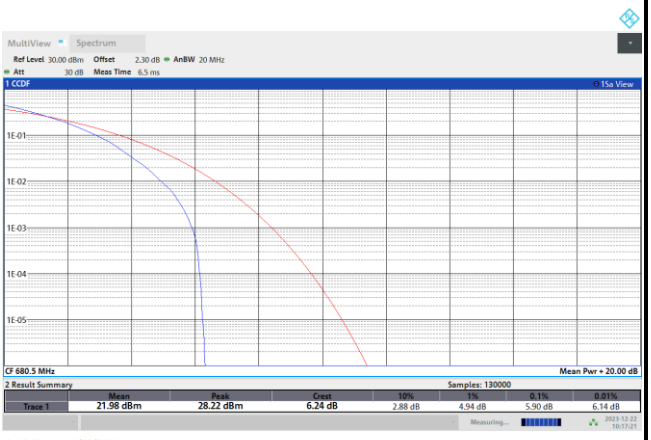

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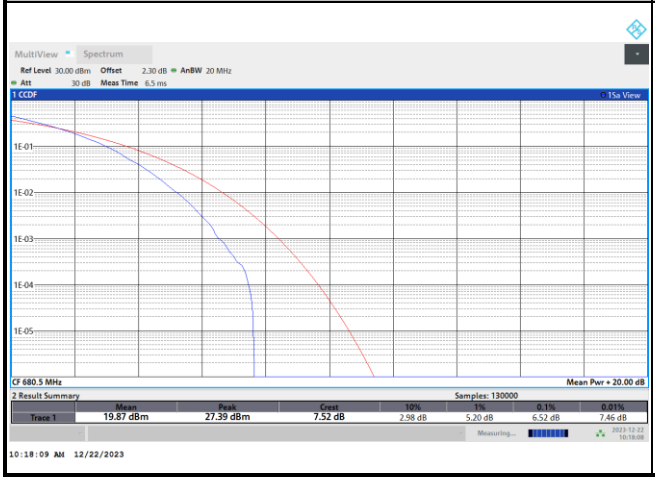


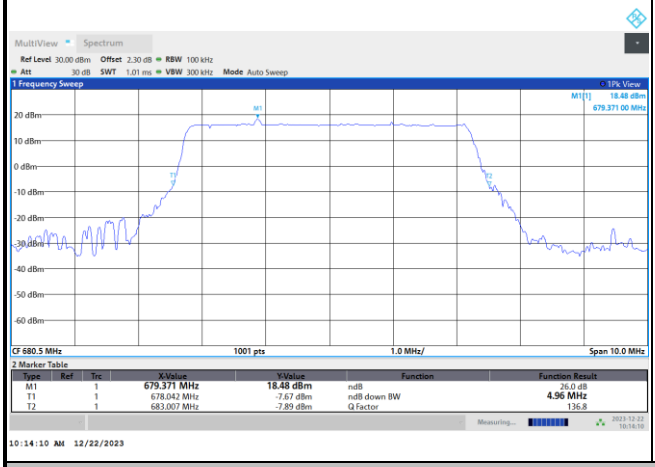
26dB Bandwidth

Mode	FR1 n71 : 26dB BW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	4.96		9.75		14.36		19.14	

Mode	FR1 n71 : 26dB BW(MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	5.16	5.24	10.19	10.27	15.26	15.22	20.42	20.30
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	5.17	5.18	9.95	10.09	15.35	15.11	20.42	20.38

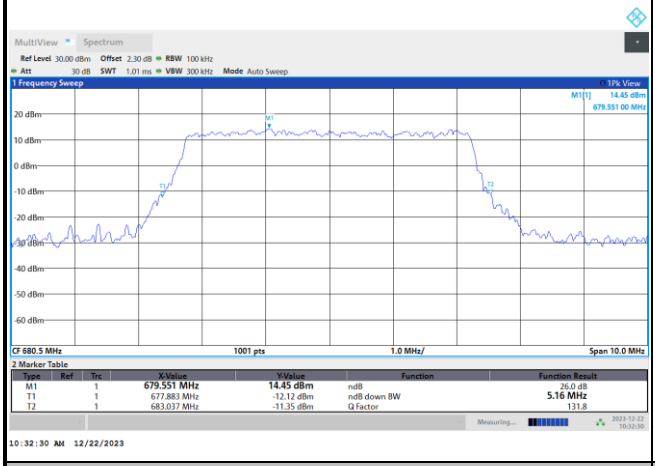
FR1 n71 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



FR1 n71 / 5MHz / CP OFDM / Middle Channel / Full RB

QPSK



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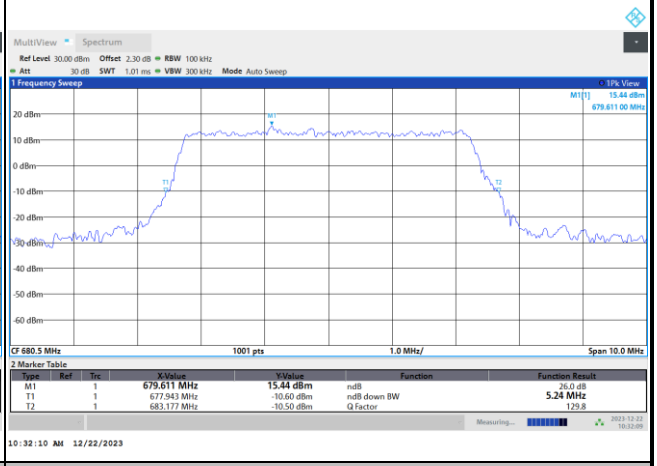

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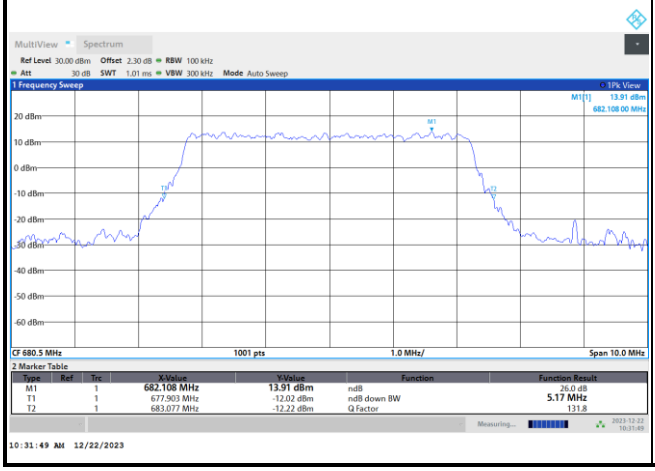
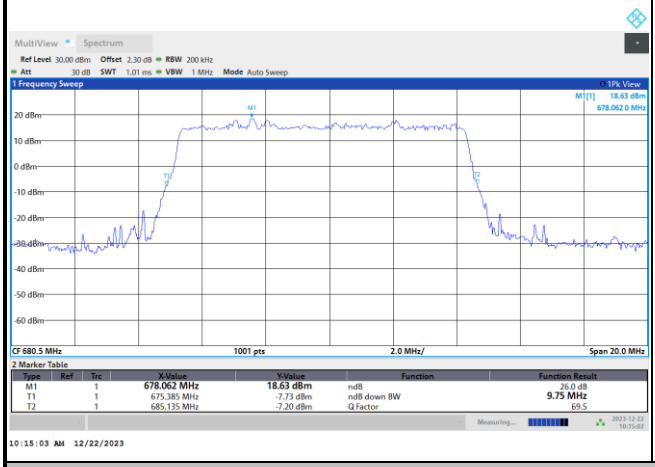


256QAM

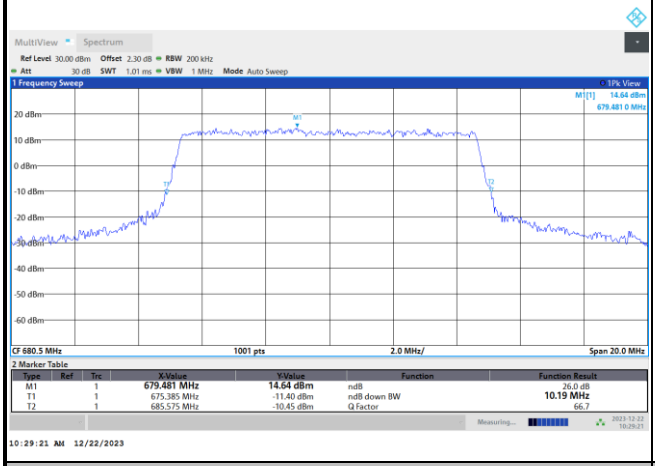
FR1 n71 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



FR1 n71 / 10MHz / CP OFDM / Middle Channel / Full RB

QPSK



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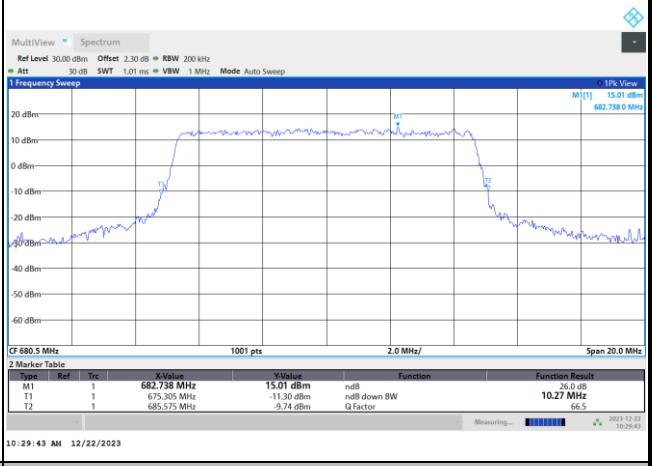

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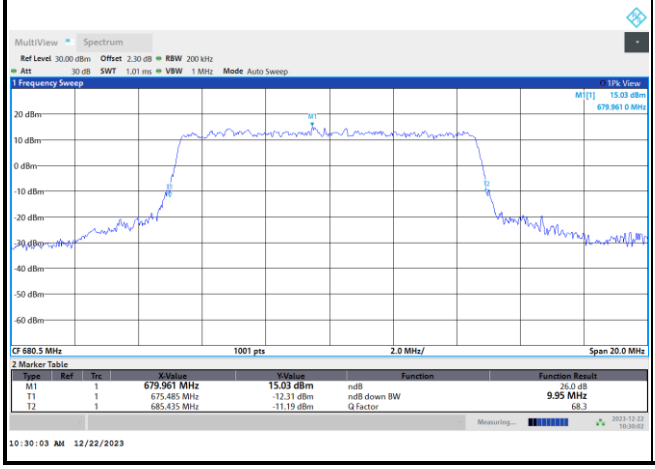

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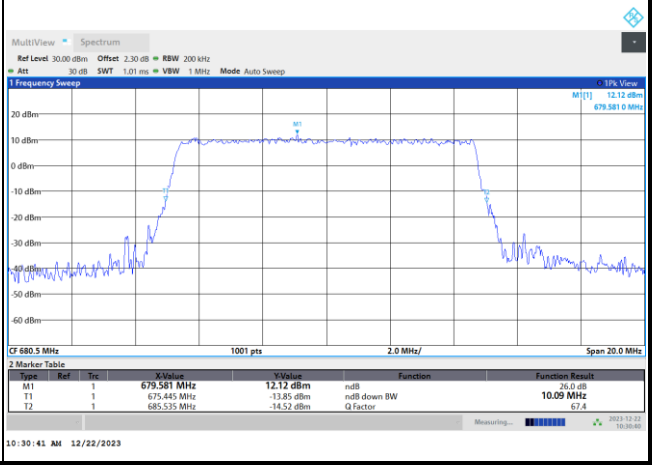
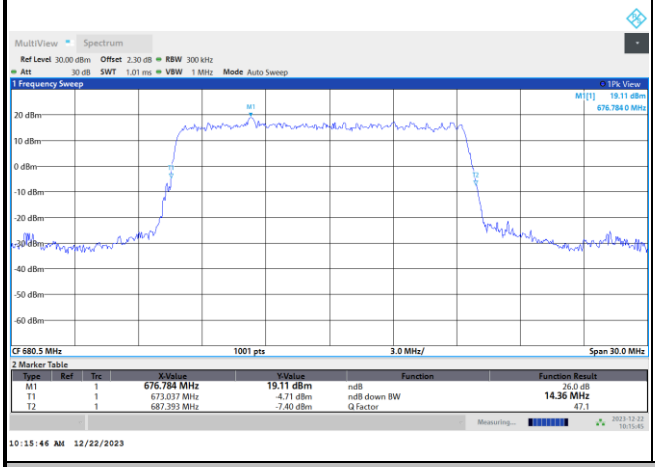


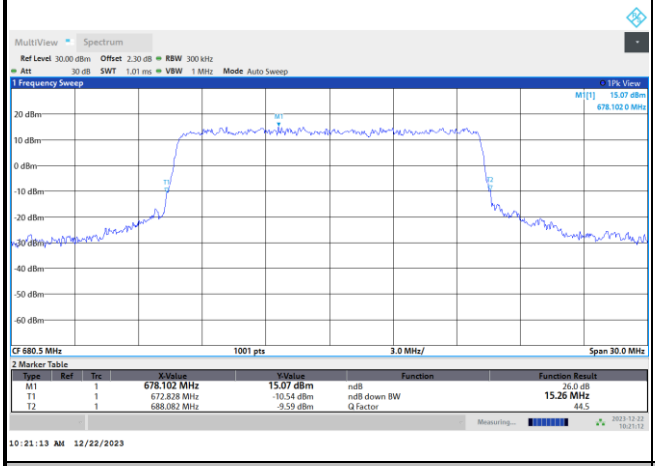
FR1 n71 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



FR1 n71 / 15MHz / CP OFDM / Middle Channel / Full RB

QPSK



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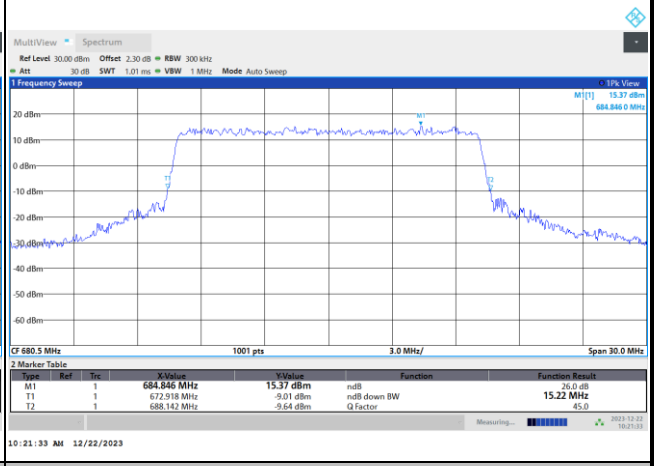

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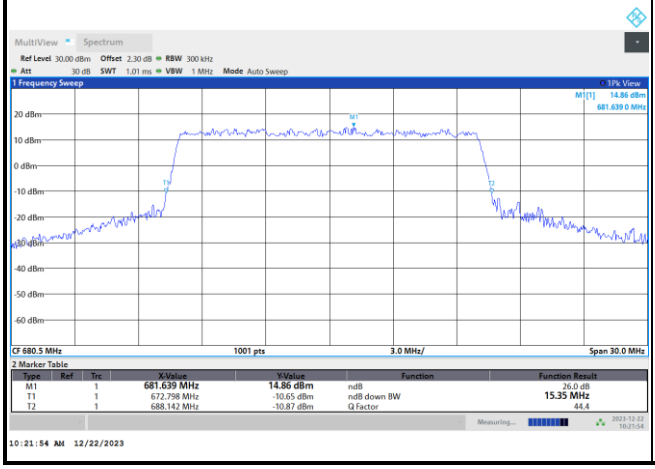

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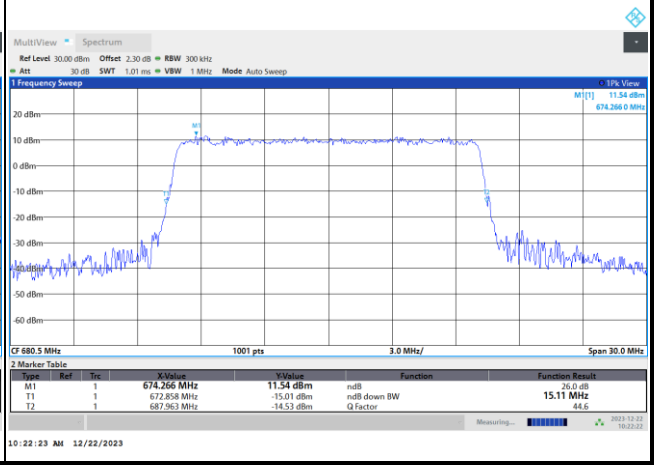
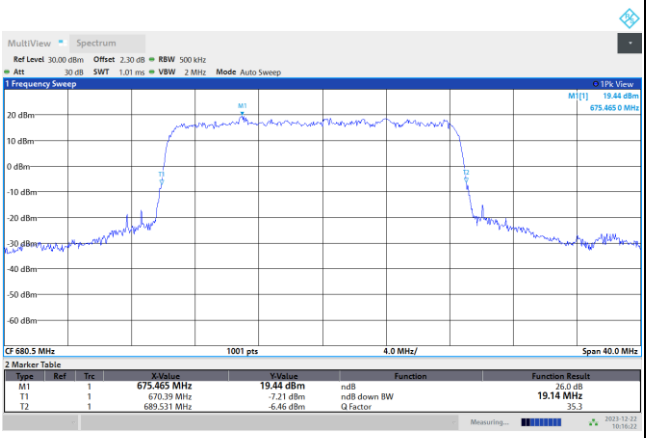


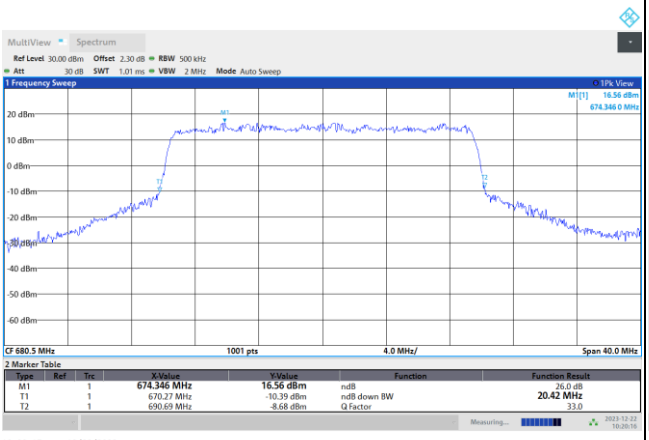
FR1 n71 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



FR1 n71 / 20MHz / CP OFDM / Middle Channel / Full RB

QPSK



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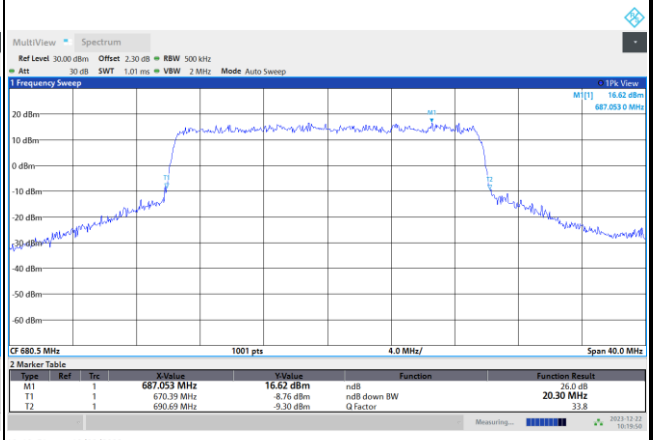

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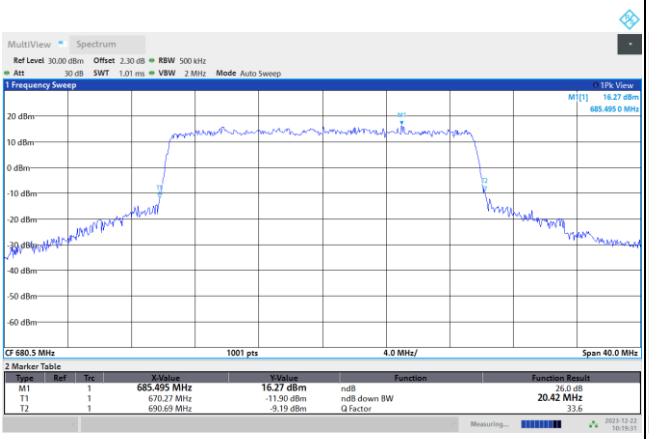


256QAM

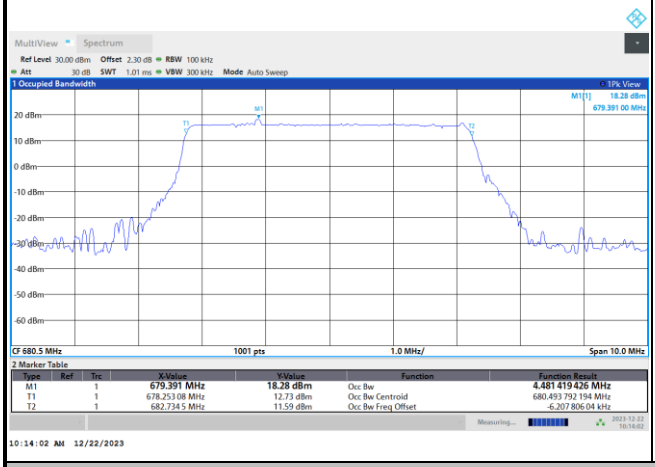
Occupied Bandwidth

Mode	FR1 n71 : 99%OBW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	4.48		8.95		13.45		17.91	

Mode	FR1 n71 : 99%OBW (MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.49	4.55	9.29	9.31	14.13	14.16	18.93	18.99
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	4.50	4.50	9.29	9.31	14.17	14.12	19.02	19.02

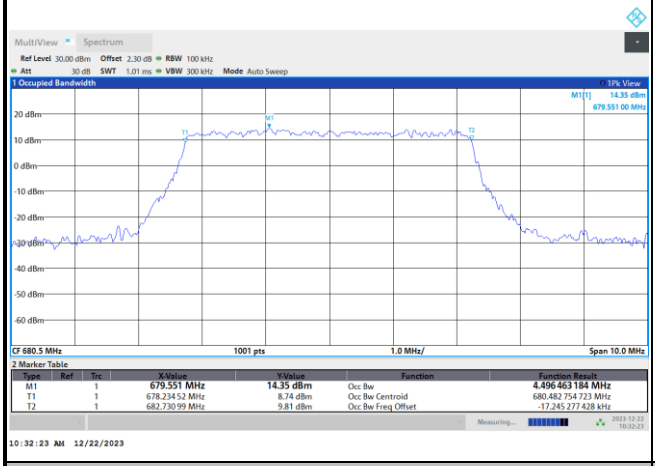
FR1 n71 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



FR1 n71 / 5MHz / CP OFDM / Middle Channel / Full RB

QPSK



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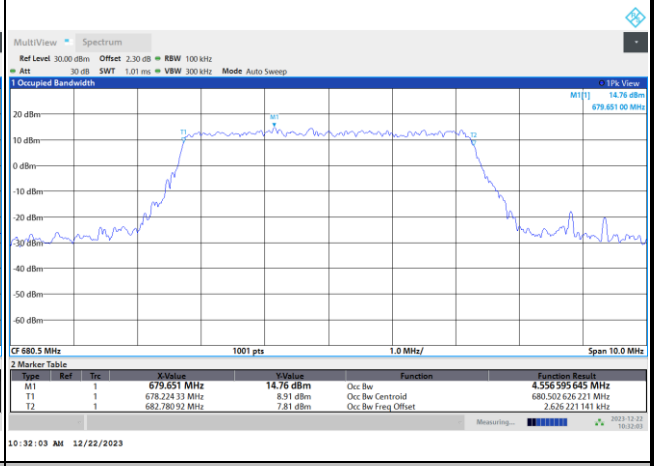

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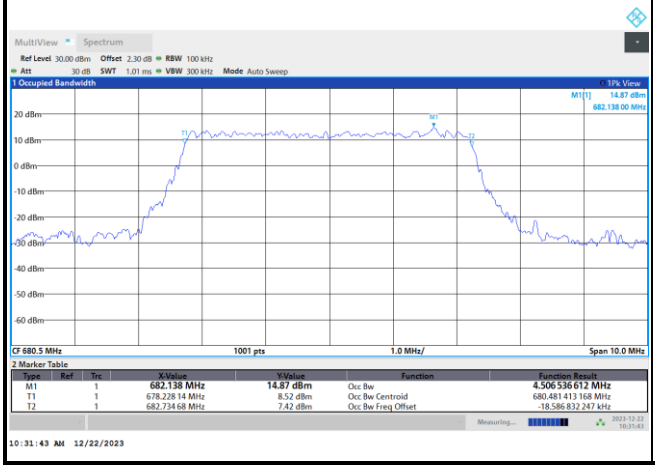

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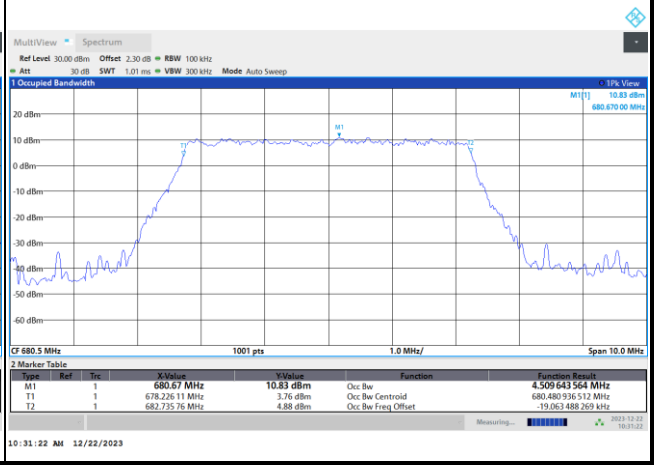
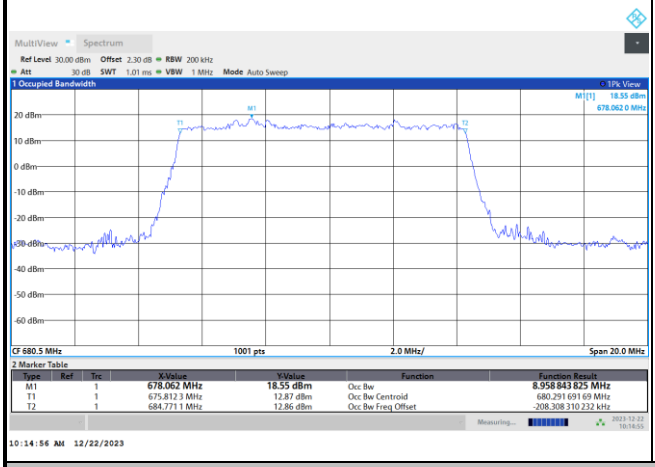


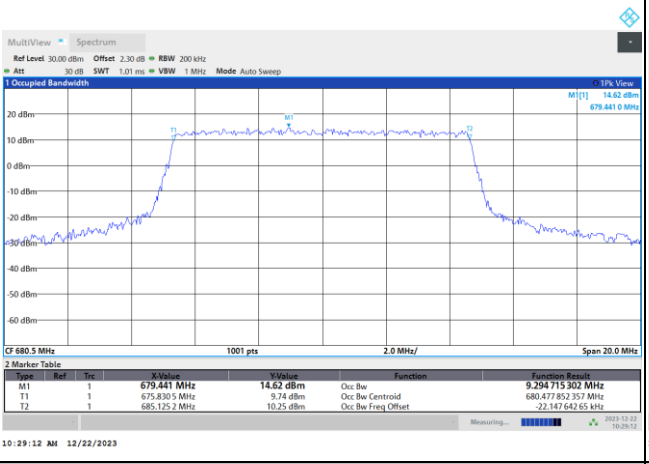
FR1 n71 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



FR1 n71 / 10MHz / CP OFDM / Middle Channel / Full RB

QPSK



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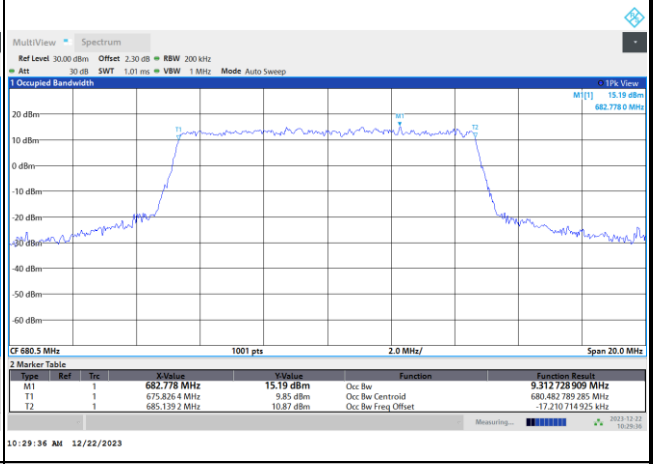

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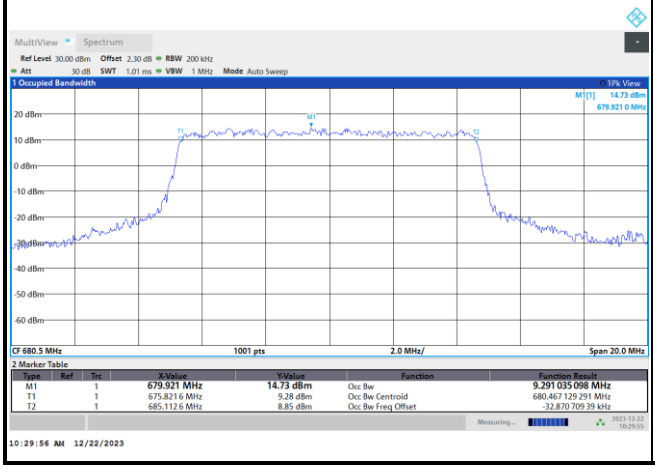

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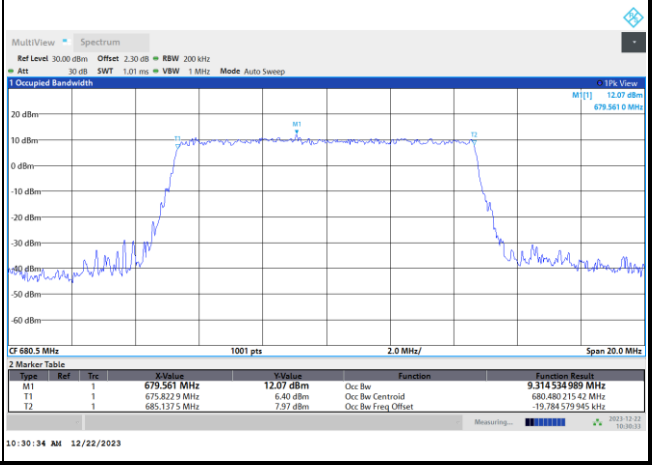
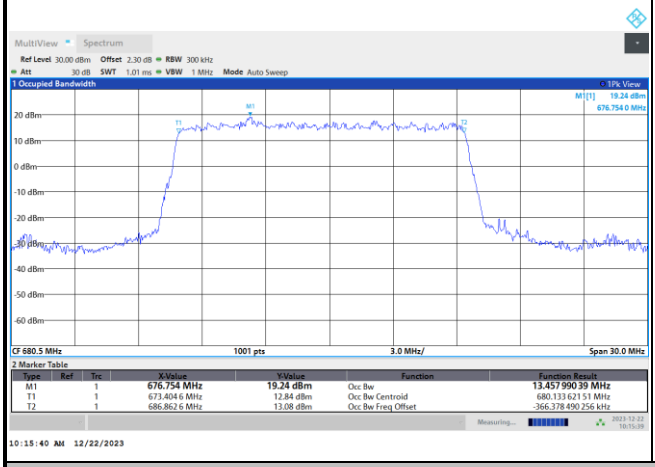


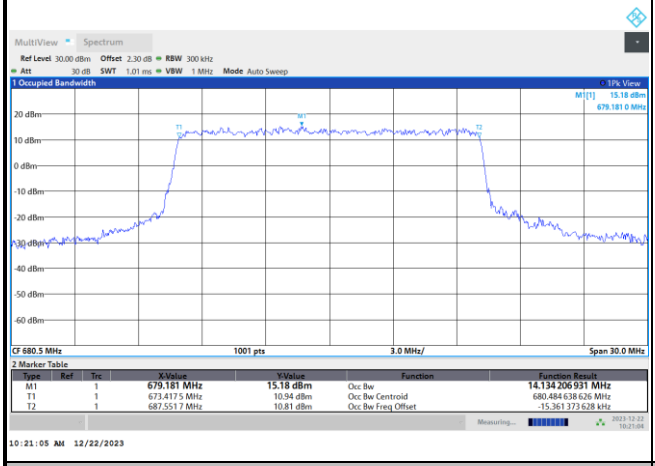
FR1 n71 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



FR1 n71 / 15MHz / CP OFDM / Middle Channel / Full RB

QPSK



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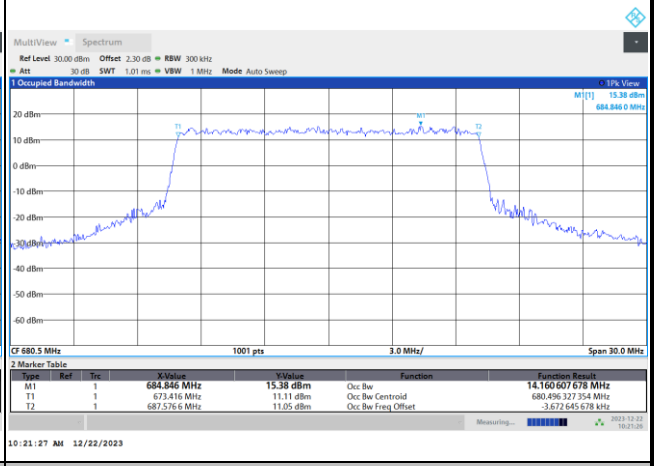

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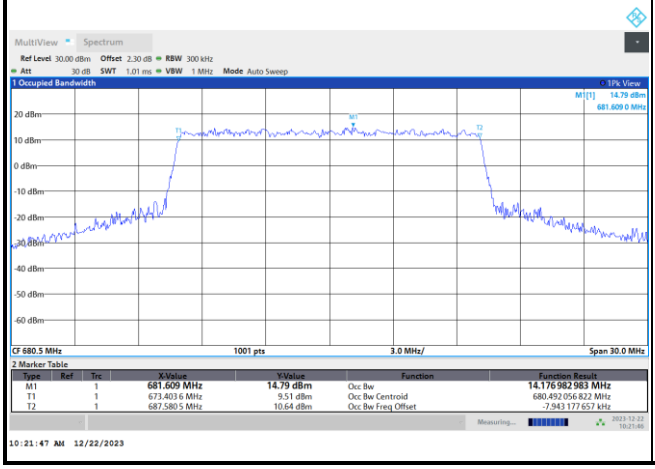
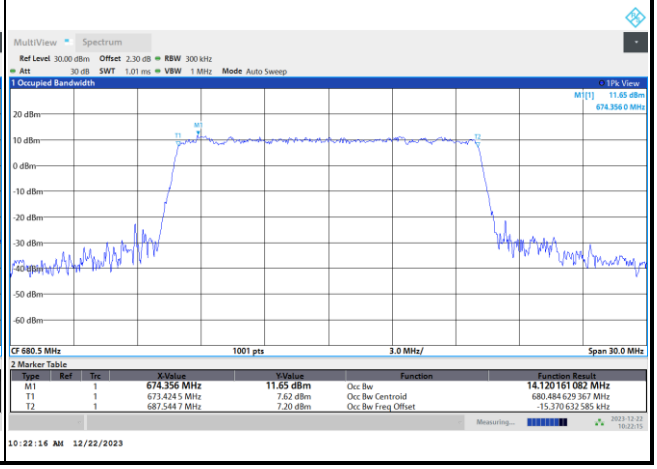
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