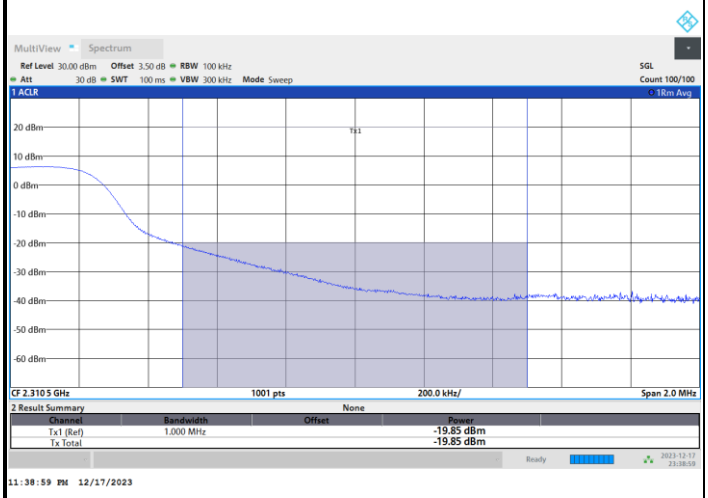
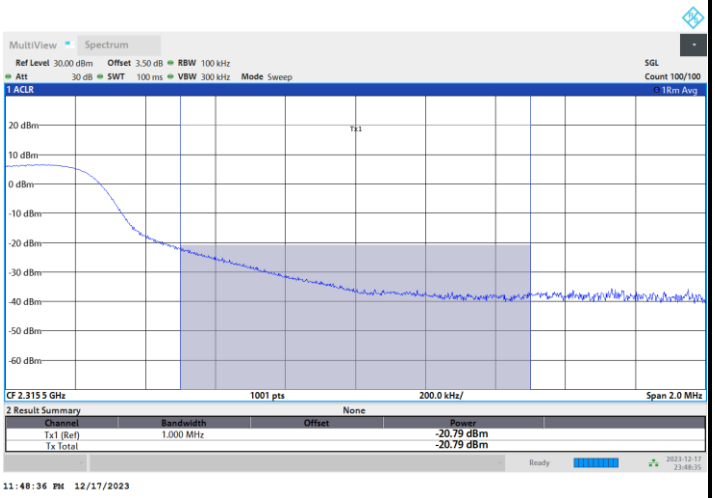
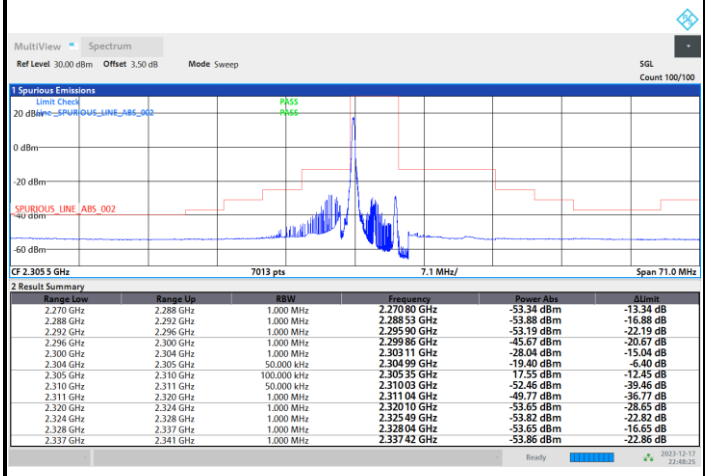
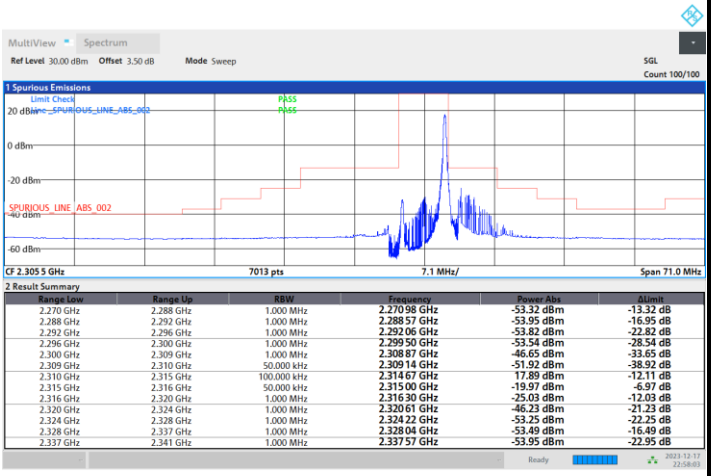
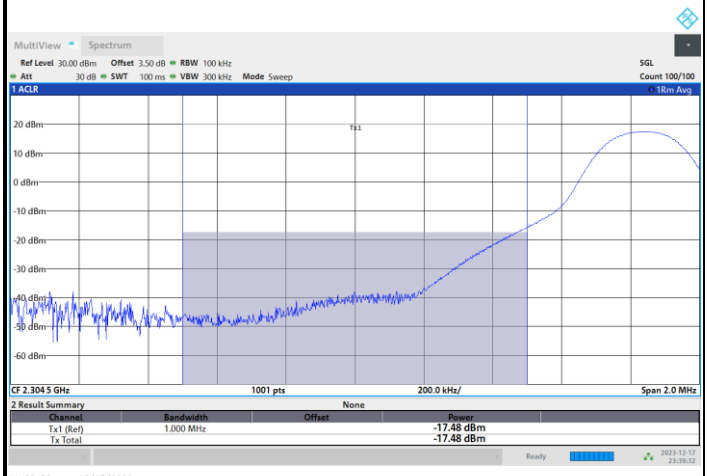
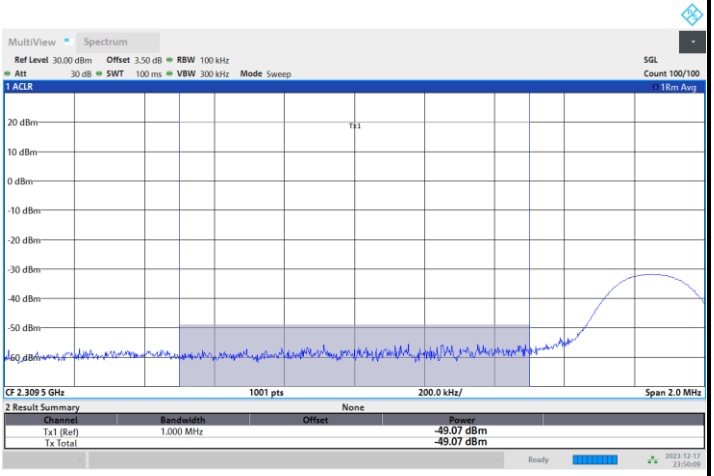
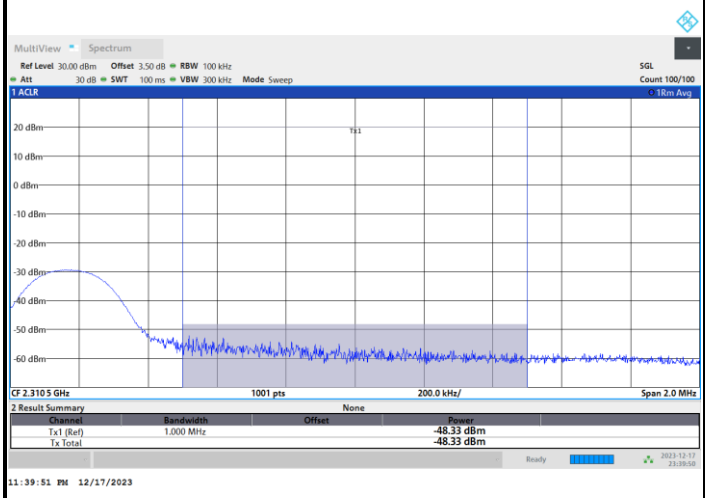
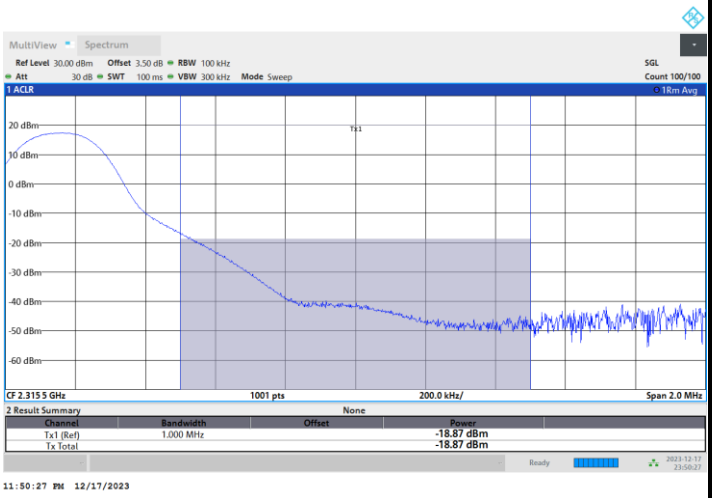
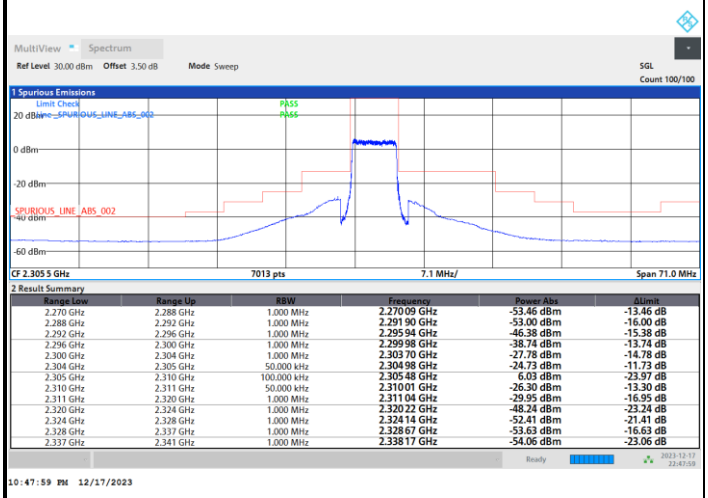
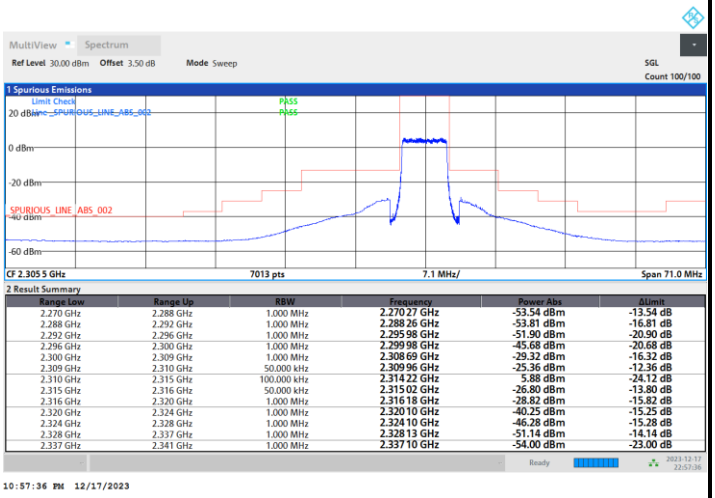
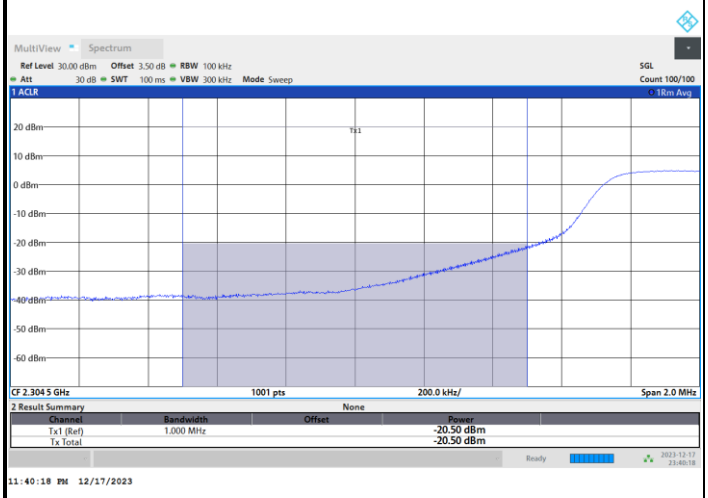
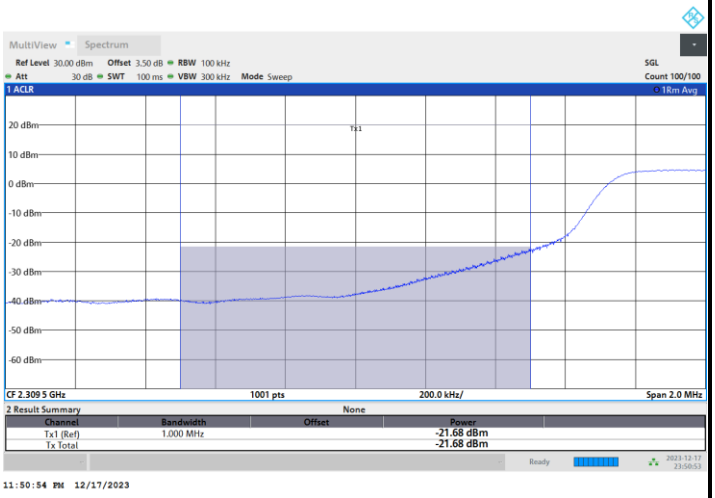
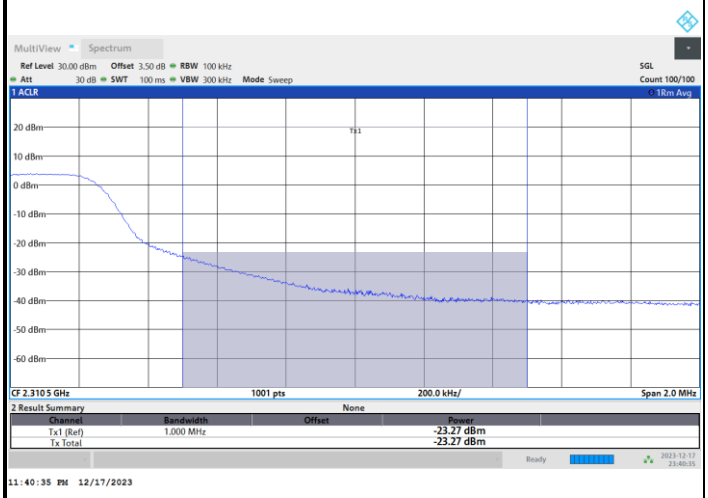
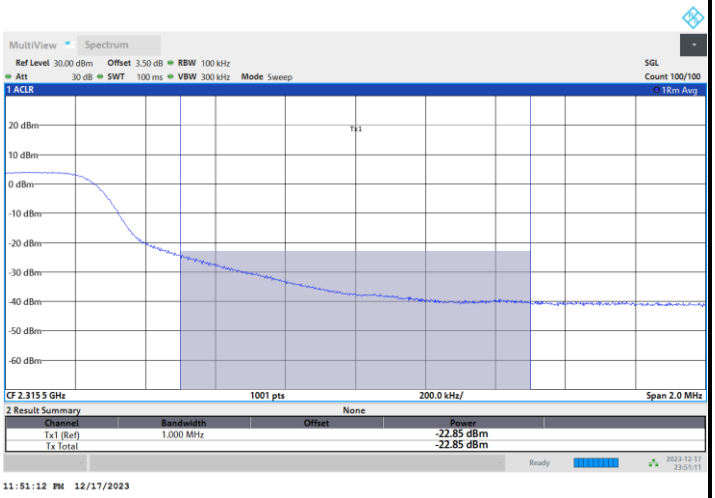
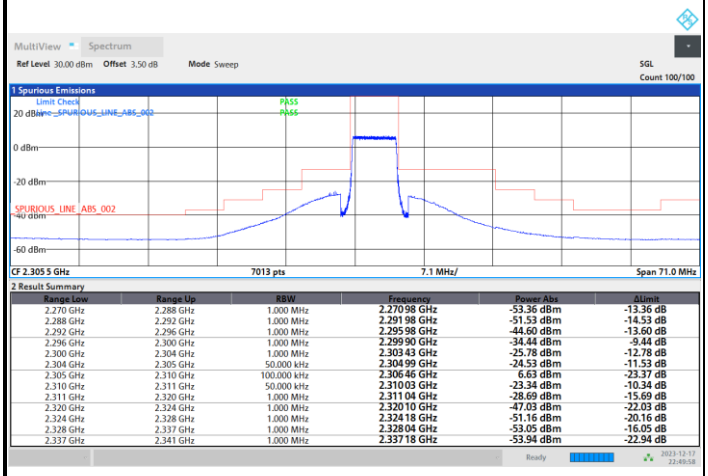
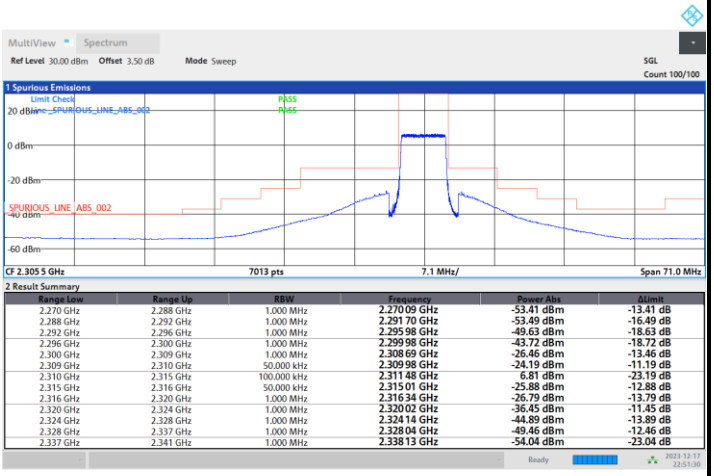
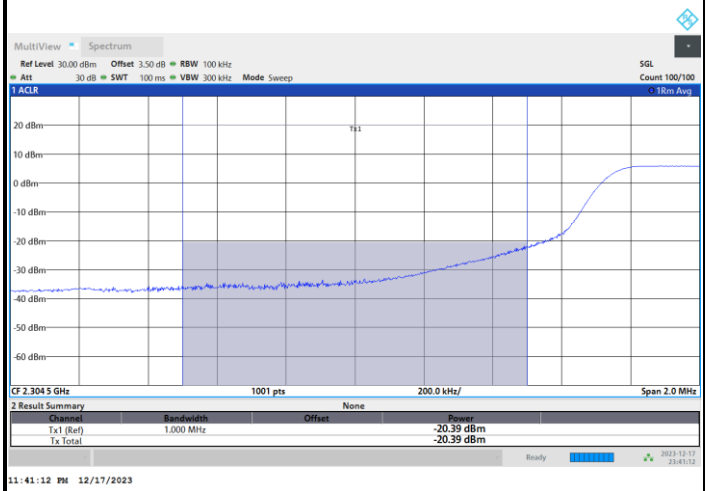
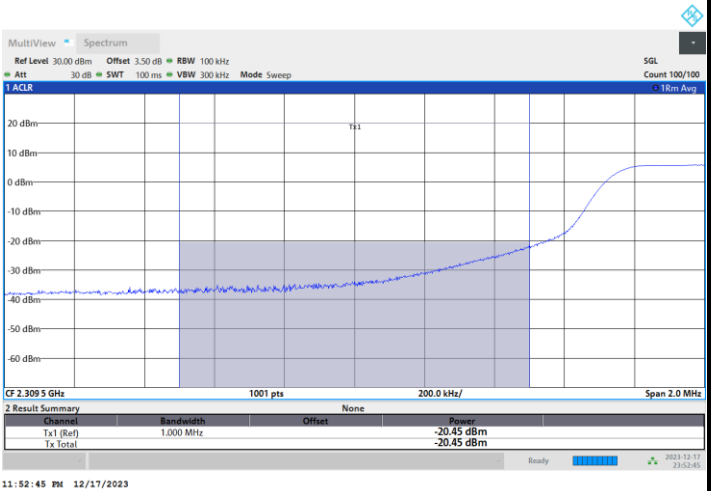
Lowest Band Edge / Full RB / Upper zoom in	Highest Band Edge / Full RB / Upper zoom in
	

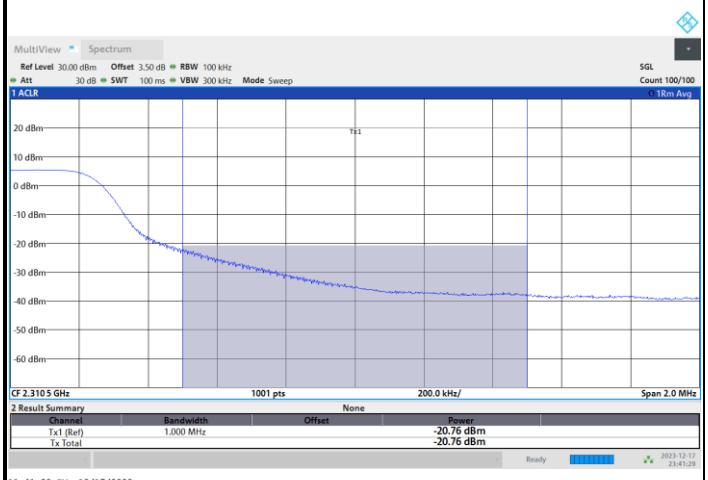
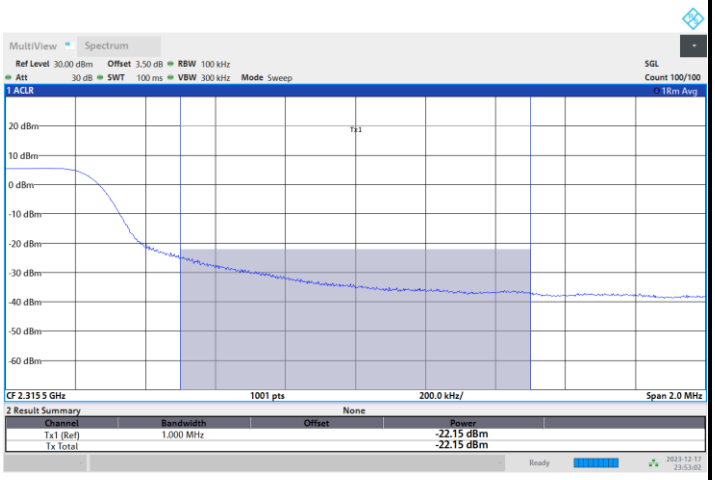
FR1 n30 / 5MHz / DFT-S OFDM / 256QAM	
Lowest Band Edge / 1RB0	**Highest Band Edge / 1RBmax**
	
Lowest Band Edge / 1 RB / Lower zoom in	**Highest Band Edge / 1 RB / Lower zoom in**
	

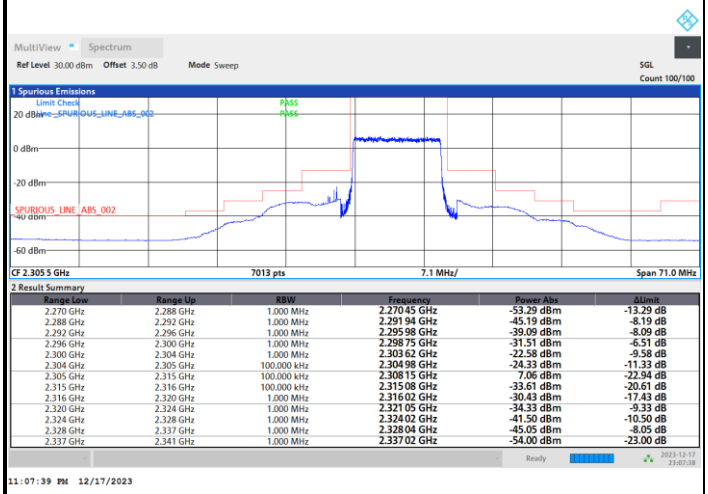
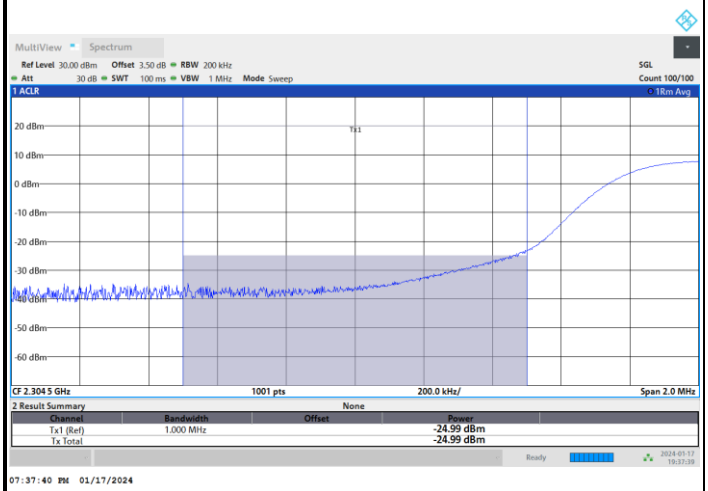
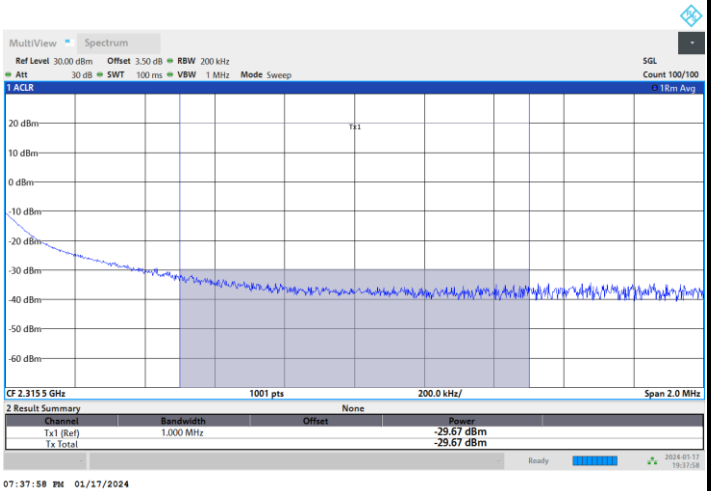
Lowest Band Edge / 1 RB / Upper zoom in	Highest Band Edge / 1 RB / Upper zoom in
	

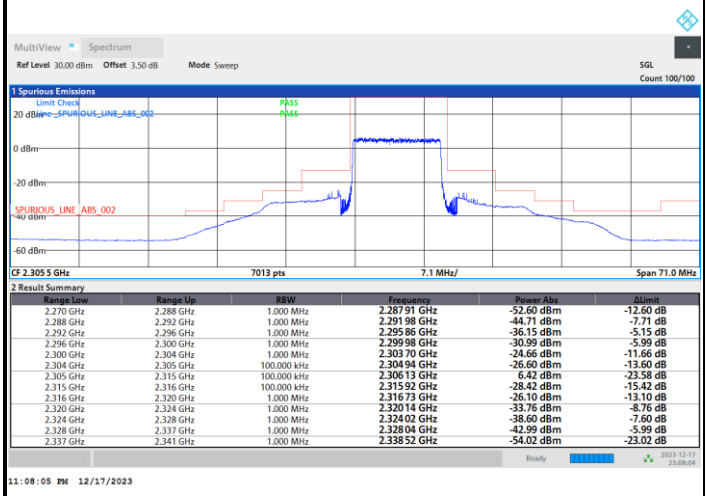
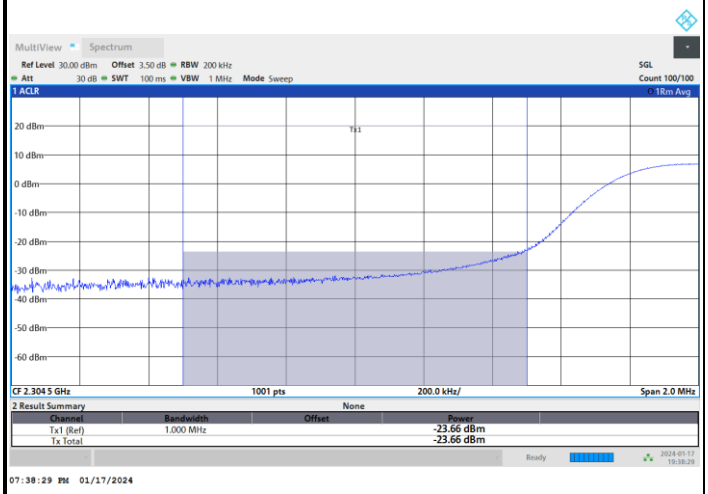
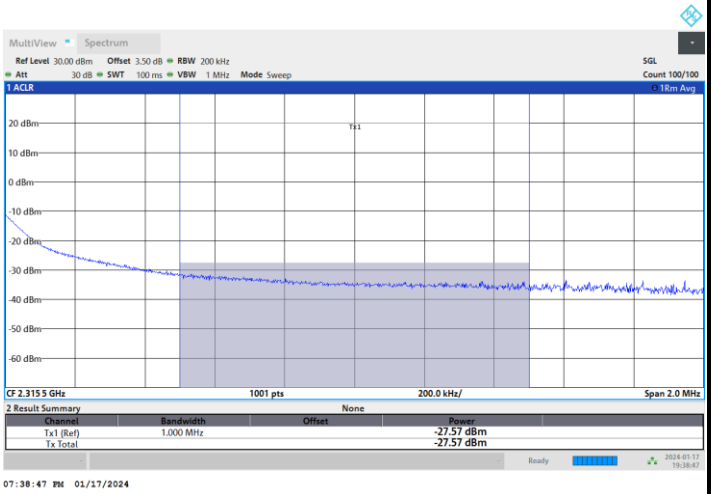
Lowest Band Edge / Full RB	Highest Band Edge / Full RB
	
Lowest Band Edge / Full RB / Lower zoom in	**Highest Band Edge / Full RB / Lower zoom in**
	

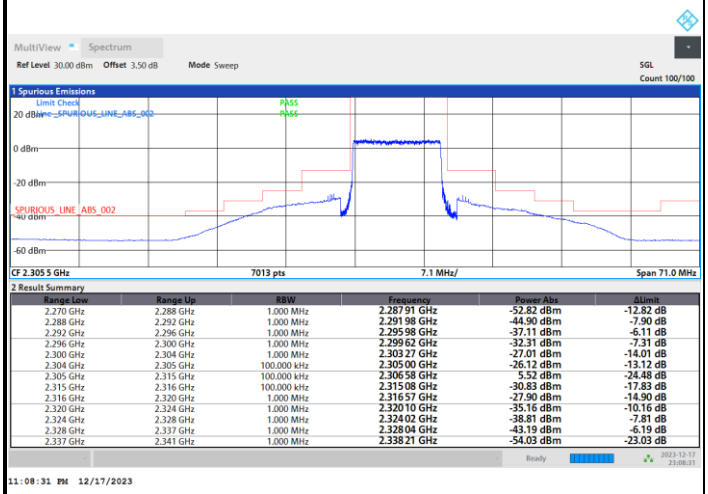
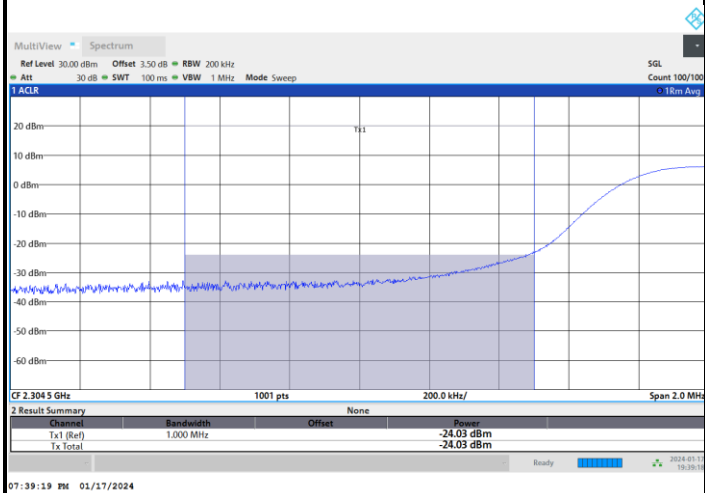
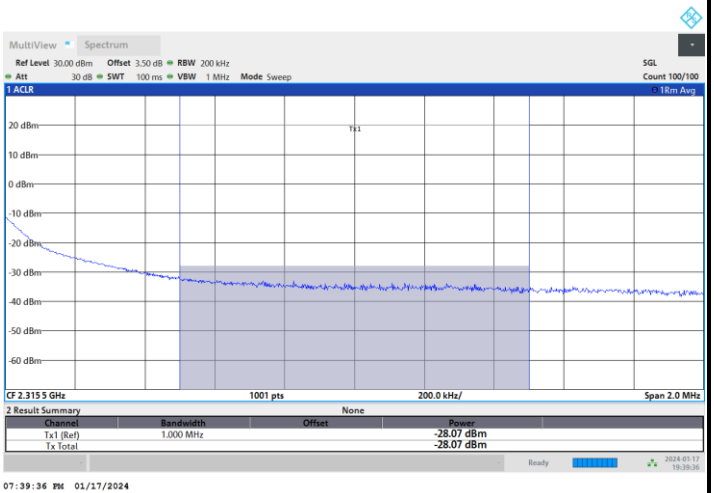
Lowest Band Edge / Full RB / Upper zoom in	Highest Band Edge / Full RB / Upper zoom in
	

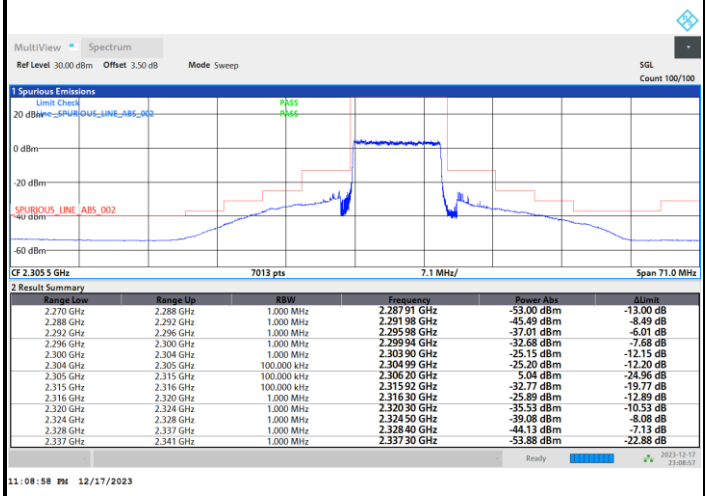
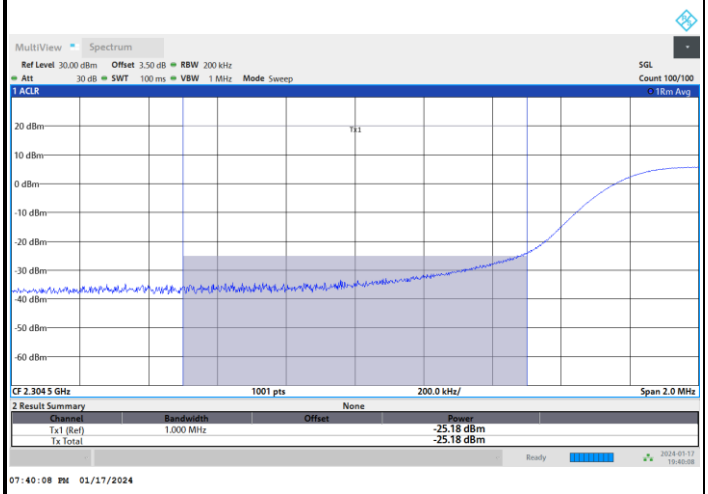
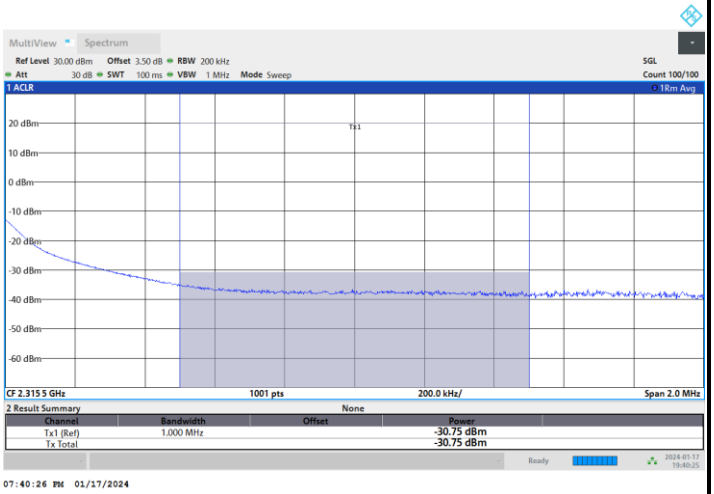
FR1 n30 / 5MHz / CP OFDM / QPSK / Full RB	
Lowest Band Edge	**Highest Band Edge**
	
Lowest Band Edge / Full RB / Lower zoom in	**Highest Band Edge / Full RB / Lower zoom in**
	

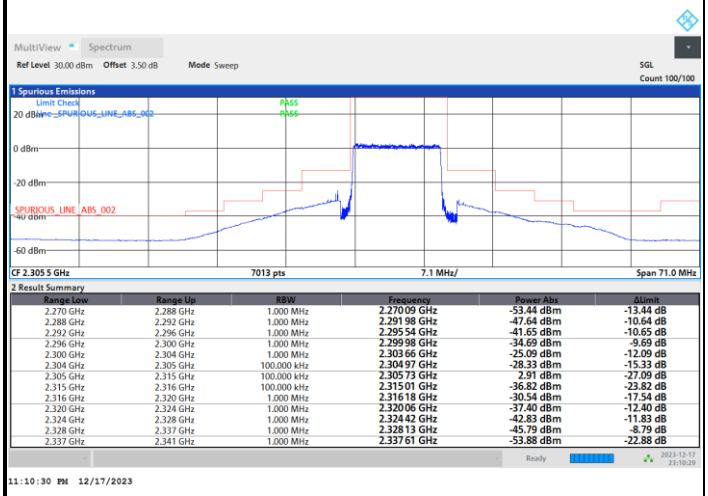
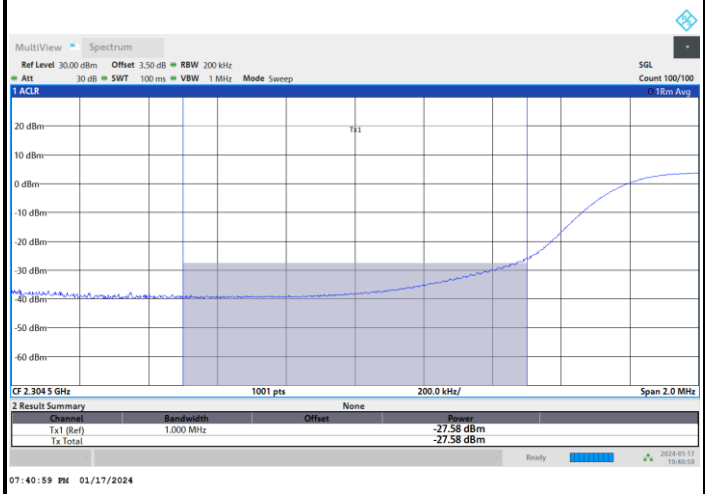
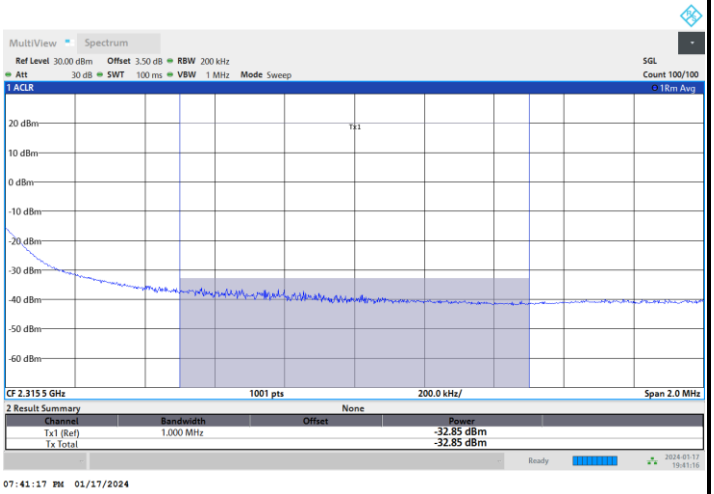
Lowest Band Edge / Full RB / Upper zoom in	Highest Band Edge / Full RB / Upper zoom in
	

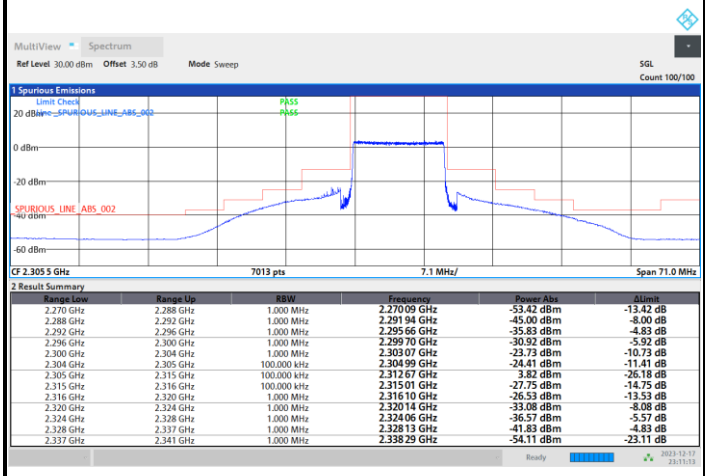
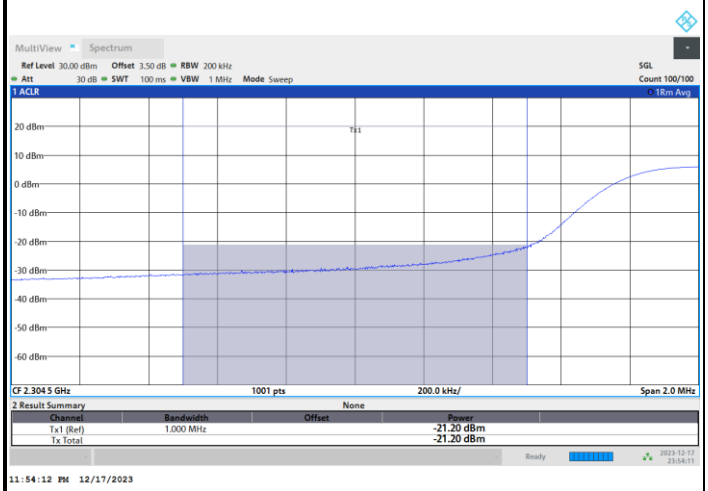
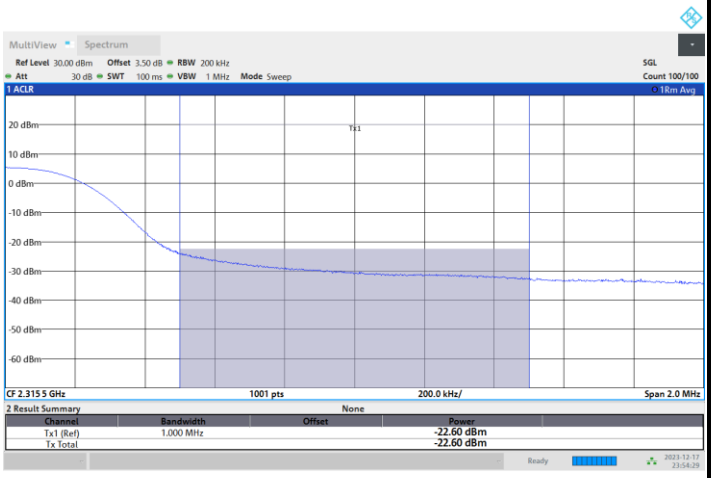
FR1 n30 / 10MHz / DFT-s-OFDM / PI/2 BPSK	
Middle Band Edge / Full RB	
	
Middle Band Edge / Full RB / Lower zoom in	**Middle Band Edge / Full RB / Upper zoom in**
	

FR1 n30 / 10MHz / DFT-s-OFDM / QPSK	
Middle Band Edge / Full RB	
	
Middle Band Edge / Full RB / Lower zoom in	**Middle Band Edge / Full RB / Upper zoom in**
	

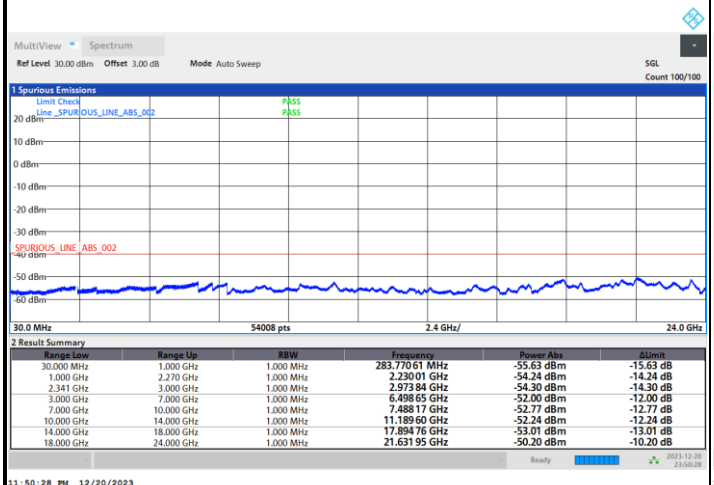
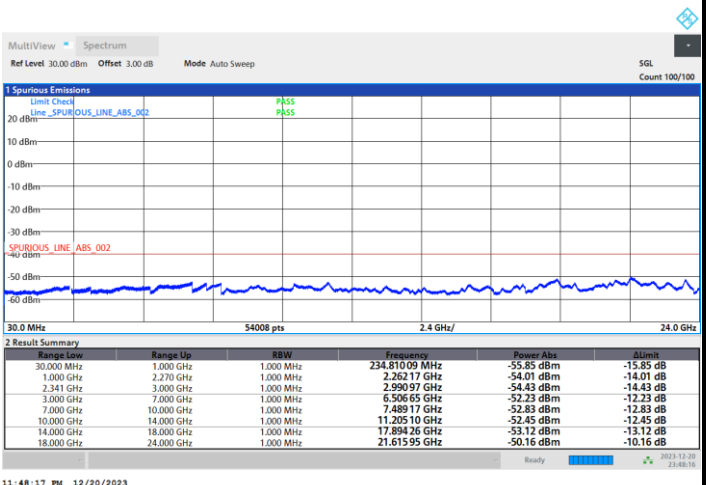
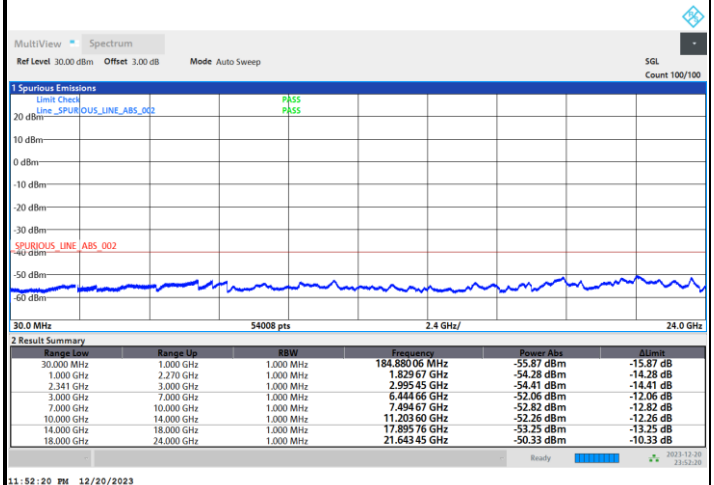
FR1 n30 / 10MHz / DFT-s-OFDM / 16QAM	
Middle Band Edge / Full RB	
	
Middle Band Edge / Full RB / Lower zoom in	**Middle Band Edge / Full RB / Upper zoom in**
	

FR1 n30 / 10MHz / DFT-s-OFDM / 64QAM	
Middle Band Edge / Full RB	
	
Middle Band Edge / Full RB / Lower zoom in	**Middle Band Edge / Full RB / Upper zoom in**
	

FR1 n30 / 10MHz / DFT-s-OFDM / 256QAM	
Middle Band Edge / Full RB	
	
Middle Band Edge / Full RB / Lower zoom in	**Middle Band Edge / Full RB / Upper zoom in**
	

FR1 n30 / 10MHz / CP OFDM / QPSK / Full RB	
Middle Band Edge / Full RB	
	
Middle Band Edge / Full RB / Lower zoom in	**Middle Band Edge / Full RB / Upper zoom in**
	

Conducted Spurious Emission

FR1 n30 / 5MHz / DFT-S OFDM / QPSK / 1RB1	
Lowest Channel	**Middle Channel**
	
Highest Channel	
	

Frequency Stability

Test Conditions		FR1 n30 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0016	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0045	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0038	
0	Normal Voltage	0.0052	
-10	Normal Voltage	0.0049	
-20	Normal Voltage	0.0025	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0044	

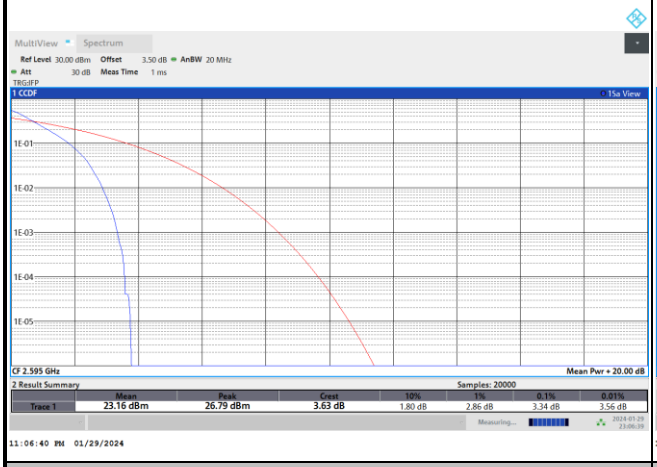
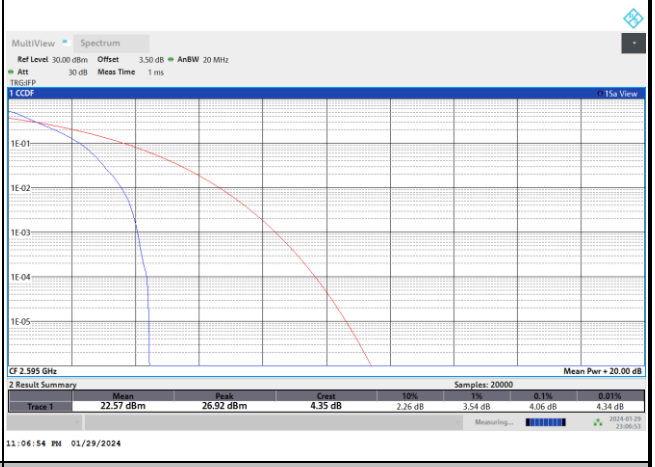
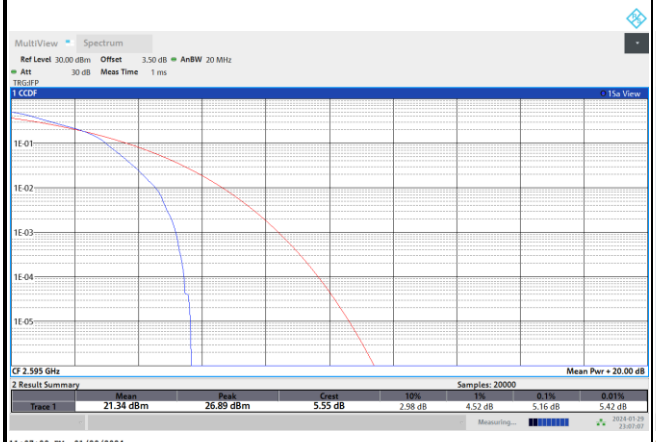
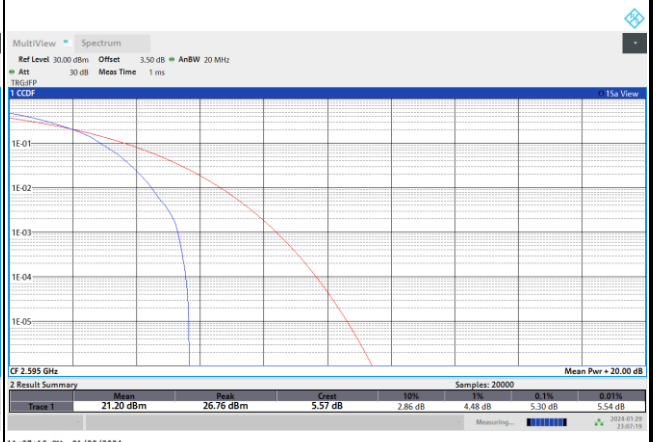
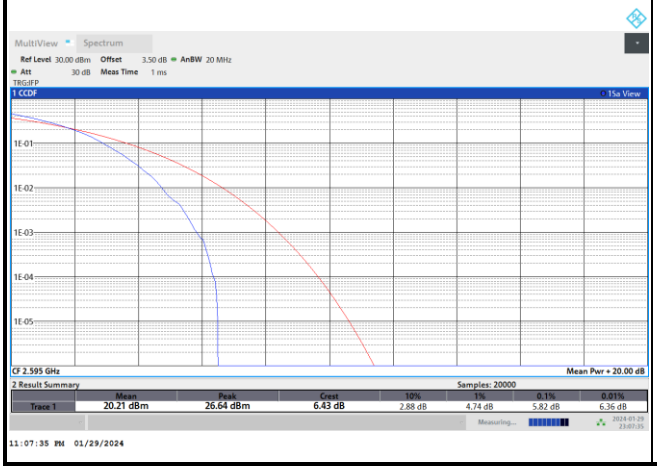
Note:

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 n38

Peak-to-Average Ratio

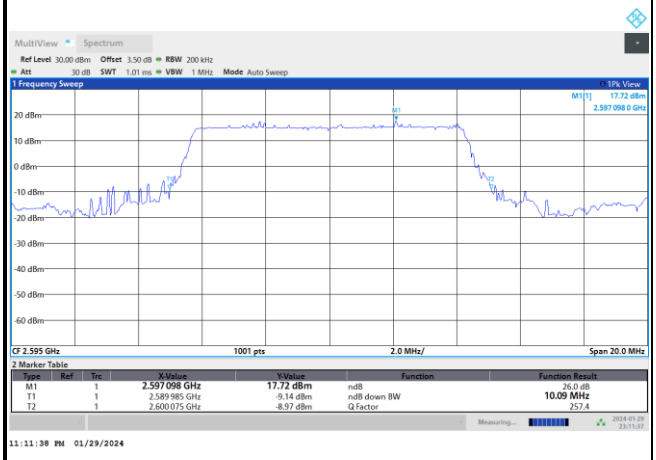
Mode	FR1 n38 / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	3.34	4.06	5.16	5.30	PASS
Mode	FR1 n38 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	5.82				PASS

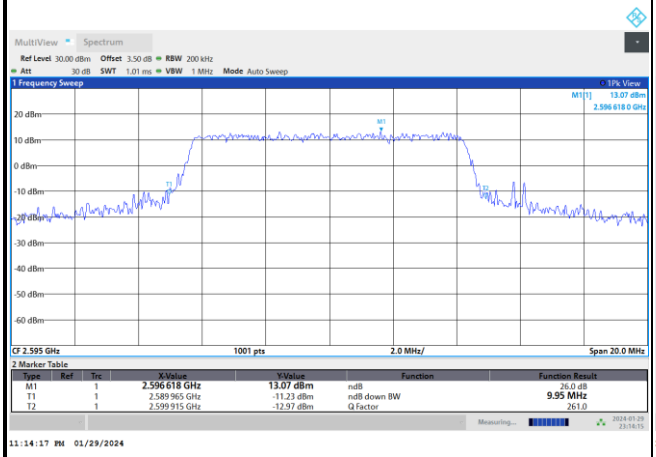
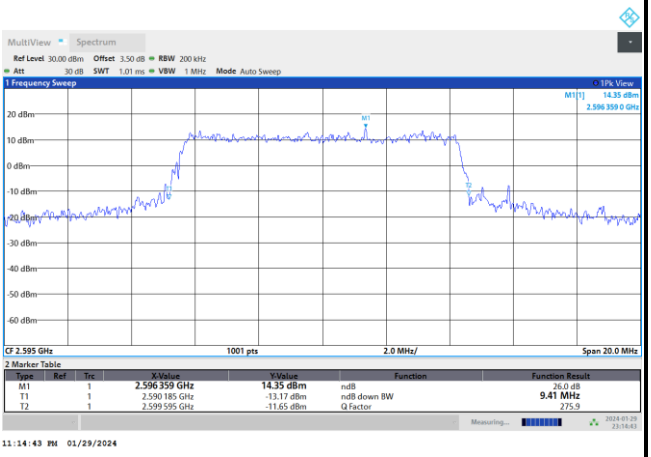
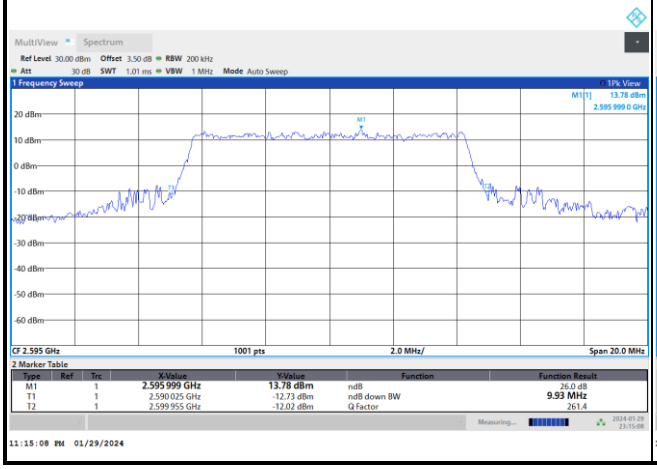
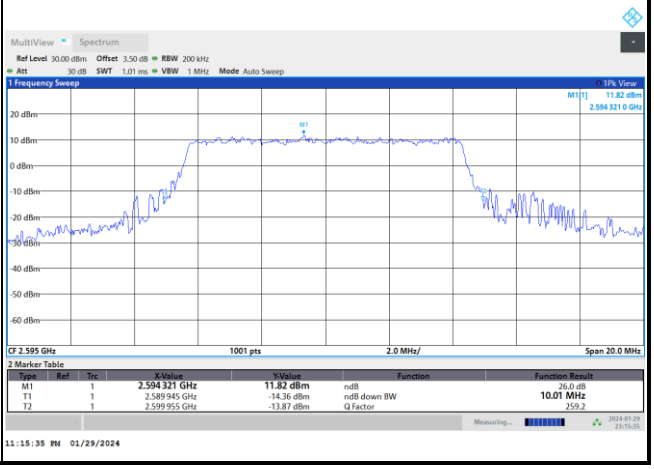
FR1 n38 / 20MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	QPSK
	
16QAM	64QAM
	
256QAM	
	

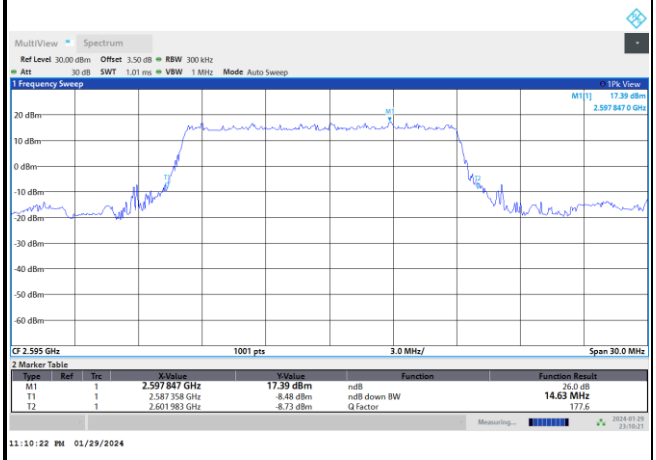
26dB Bandwidth

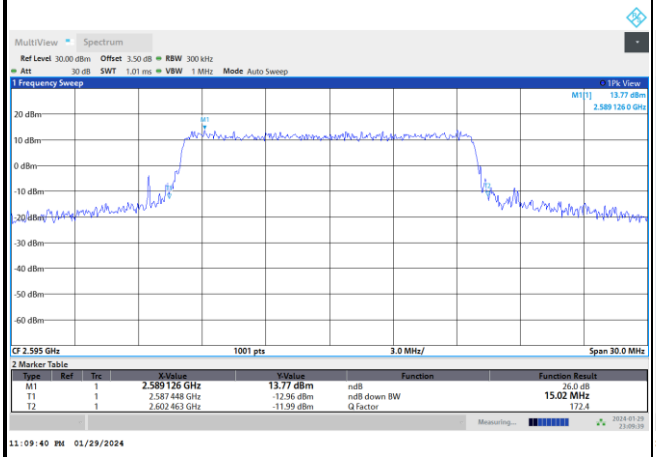
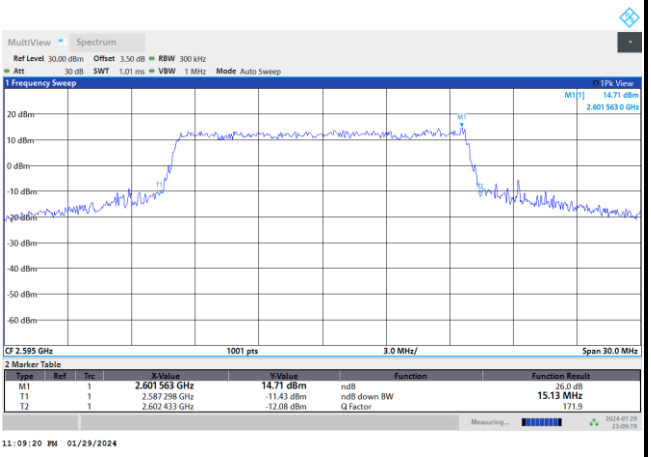
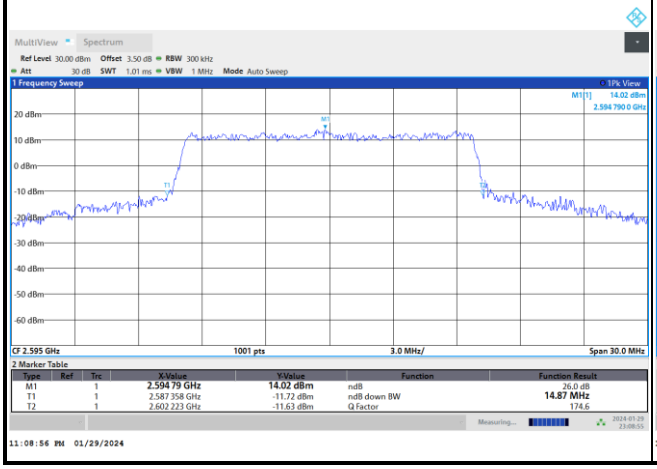
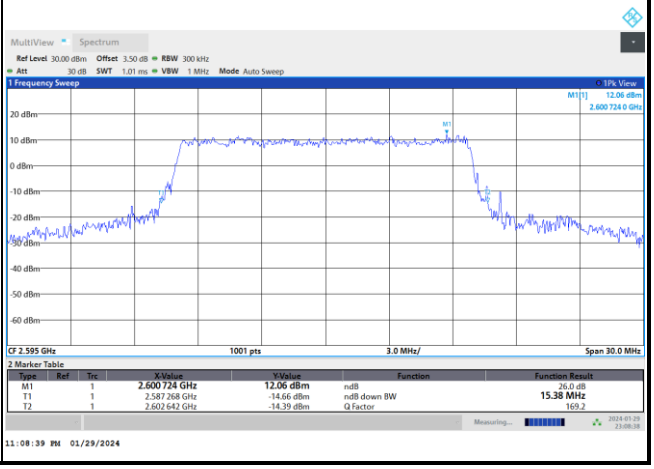
Mode	FR1 n38 : 26dB BW(MHz) / DFT-S OFDM				
BW	10MHz	15MHz	20MHz	30MHz	40MHz
Mod.	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK
Middle CH	10.09	14.63	20.06	29.37	40.92

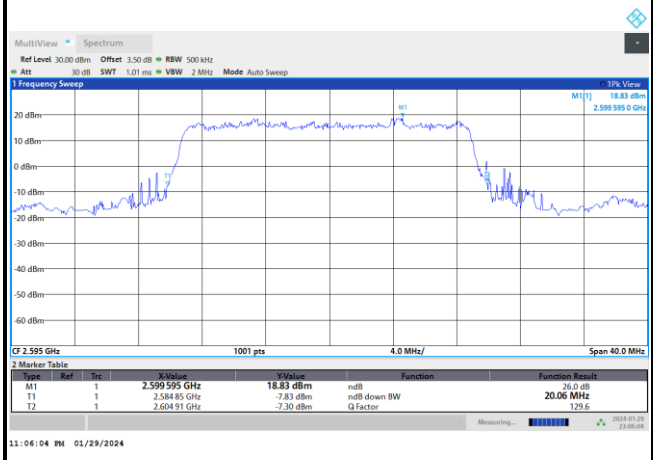
Mode	FR1 n38 : 26dB BW(MHz) / CP OFDM									
BW	10MHz		15MHz		20MHz		30MHz		40MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	9.95	9.41	15.02	15.13	20.18	20.90	30.51	30.51	40.76	40.44
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	9.93	10.01	14.87	15.38	19.82	20.30	30.81	30.33	40.68	40.68

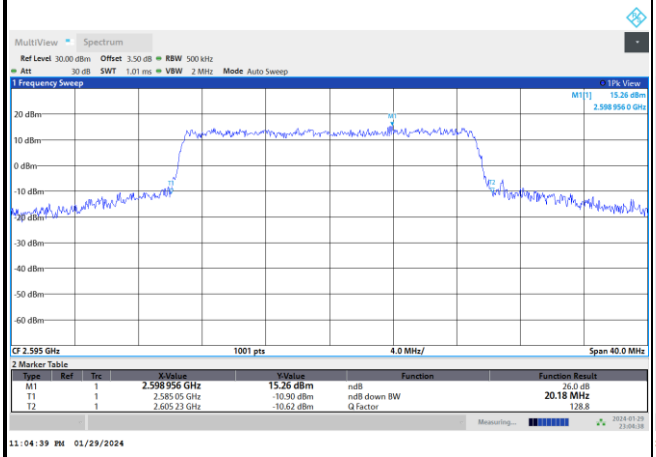
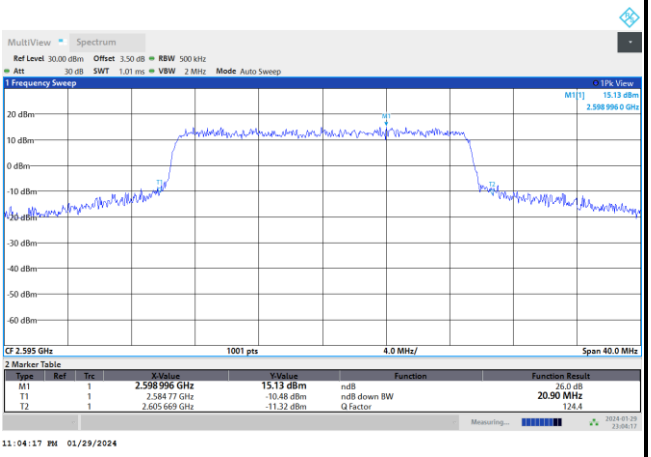
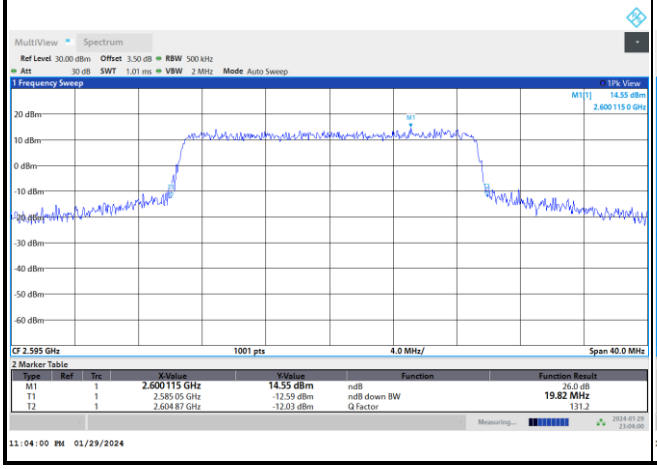
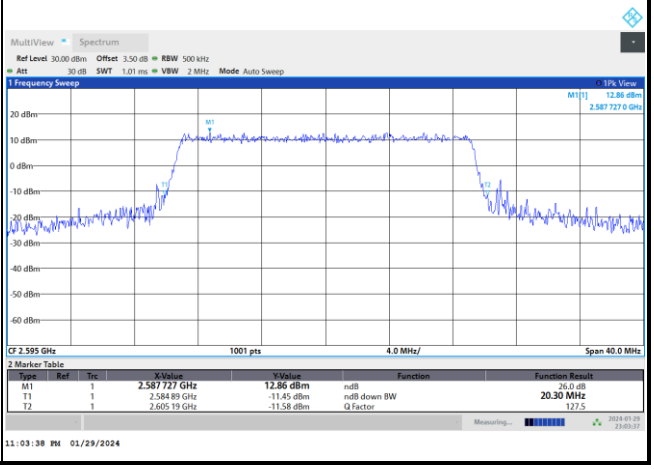
FR1 n38 / 10MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

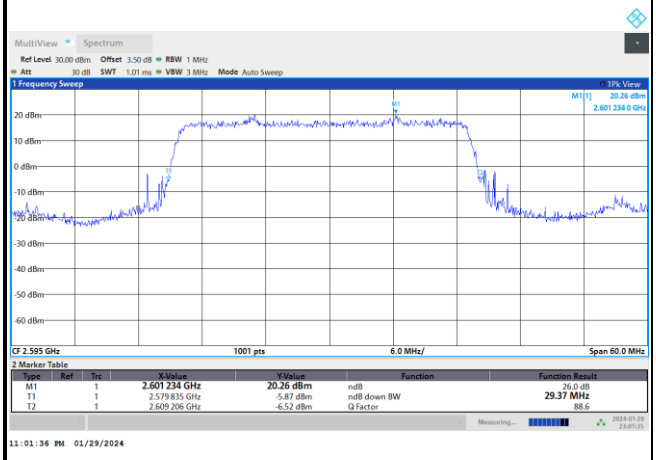
FR1 n38 / 10MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

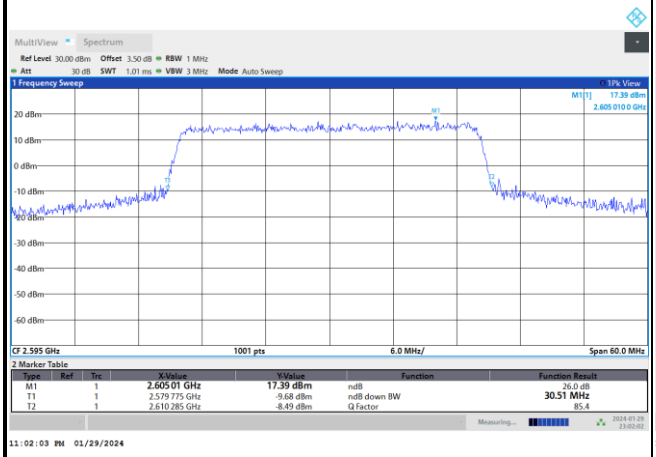
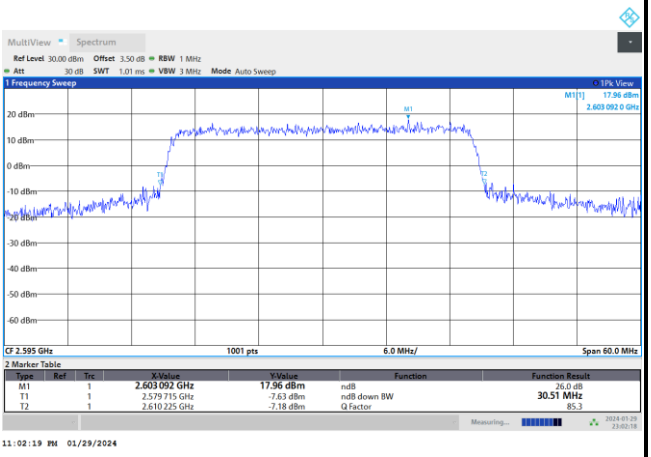
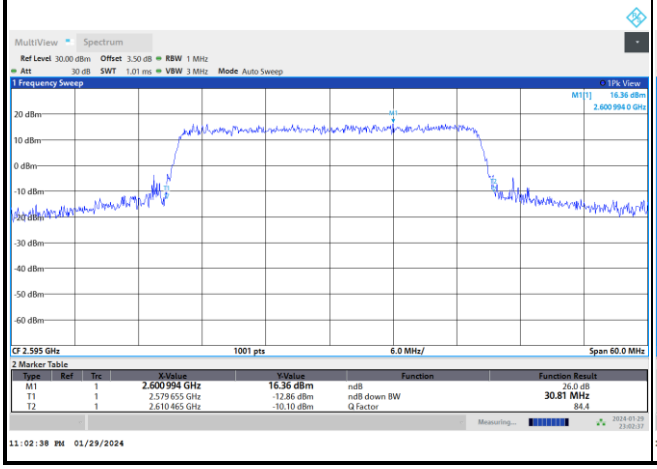
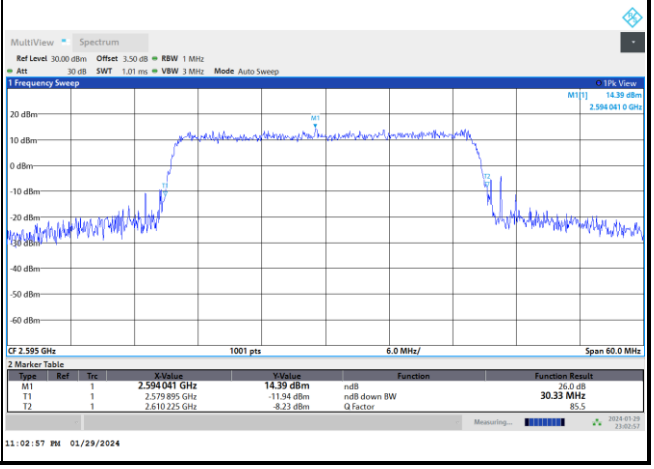
FR1 n38 / 15MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

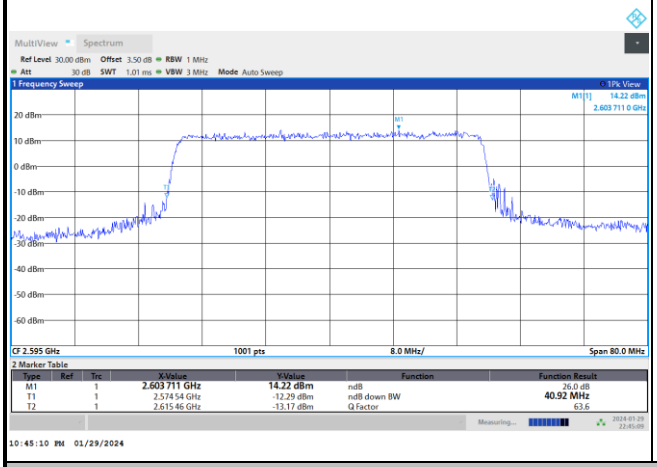
FR1 n38 / 15MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

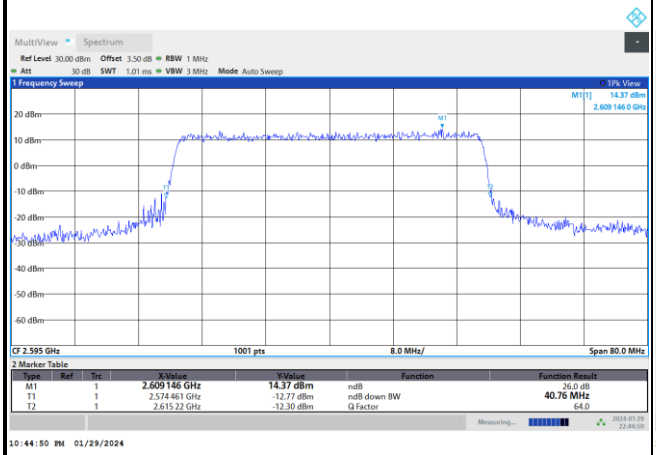
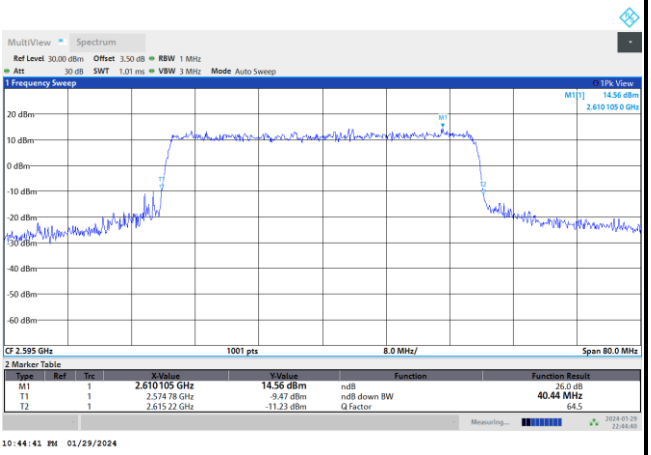
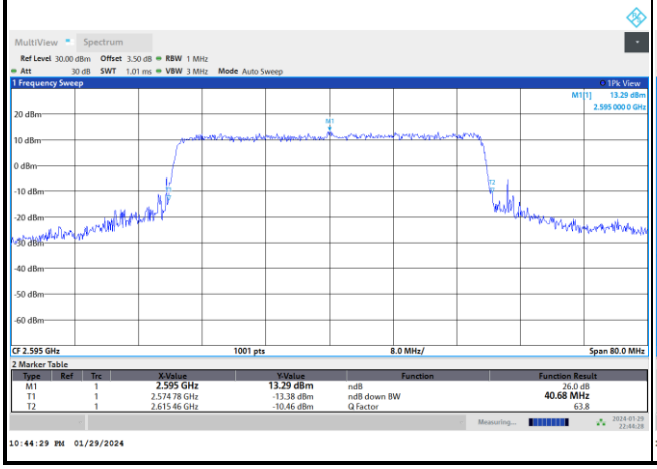
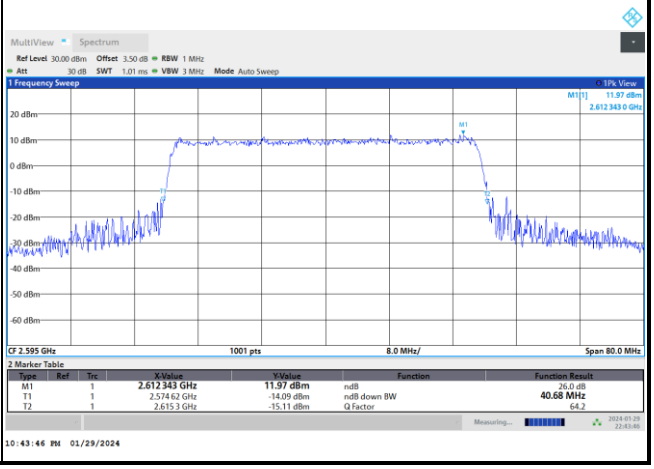
FR1 n38 / 20MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

FR1 n38 / 20MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

FR1 n38 / 30MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

FR1 n38 / 30MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

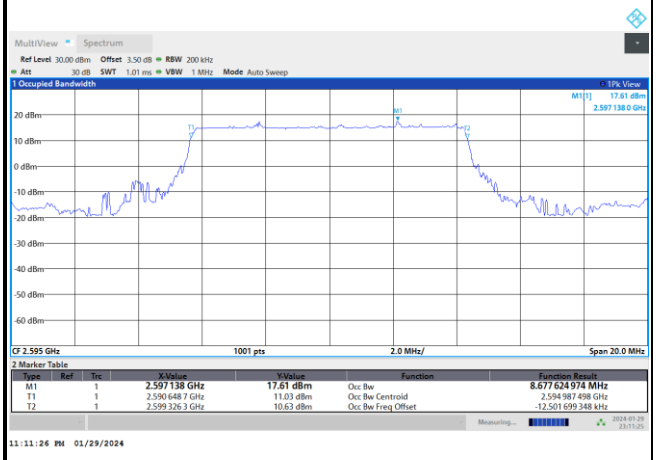
FR1 n38 / 40MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

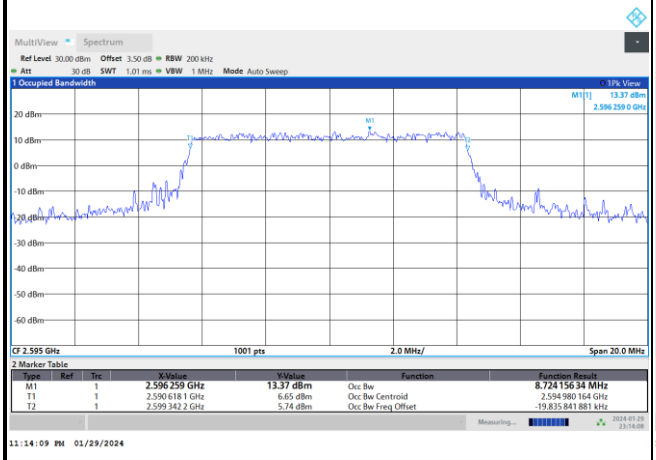
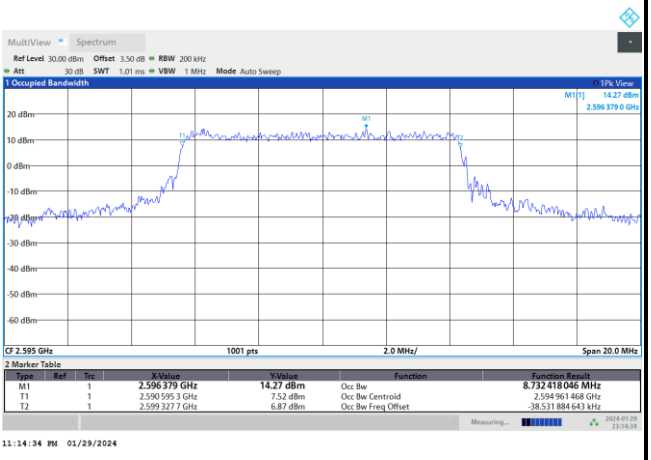
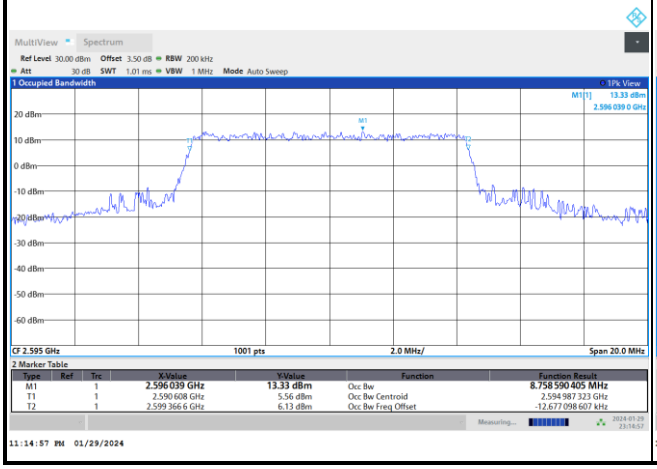
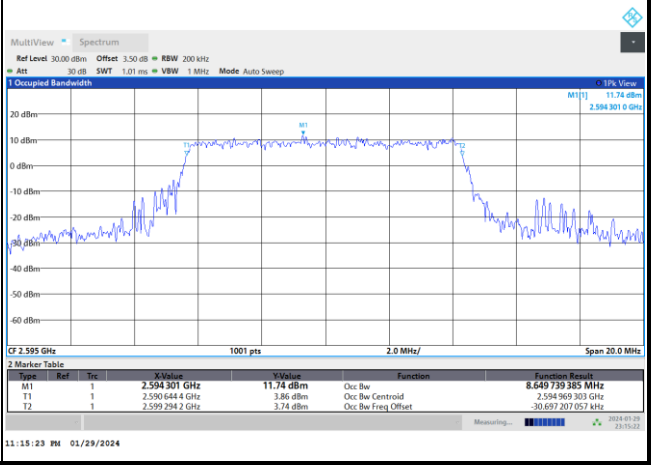
FR1 n38 / 40MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

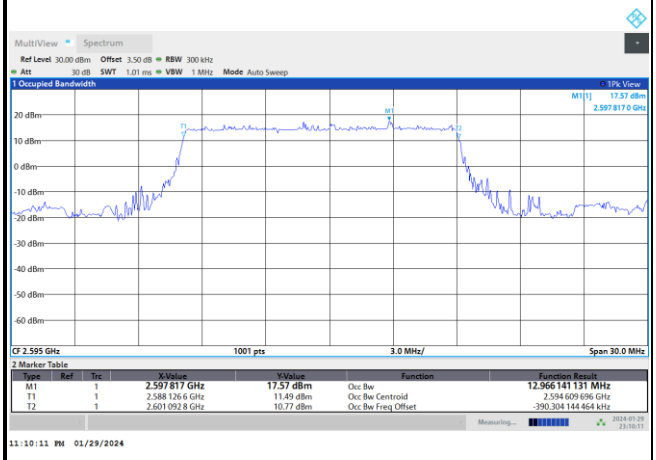
Occupied Bandwidth

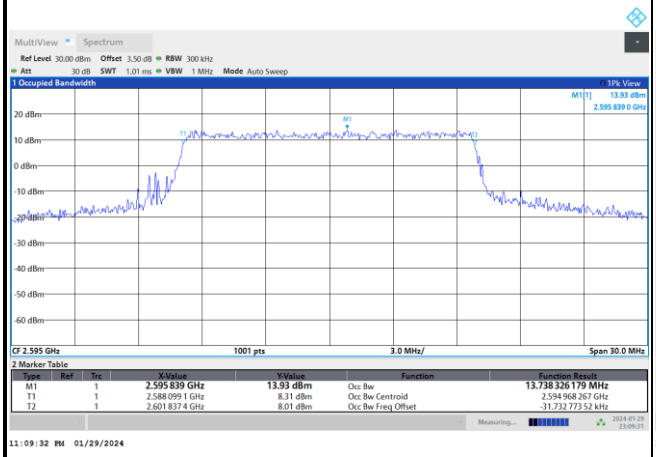
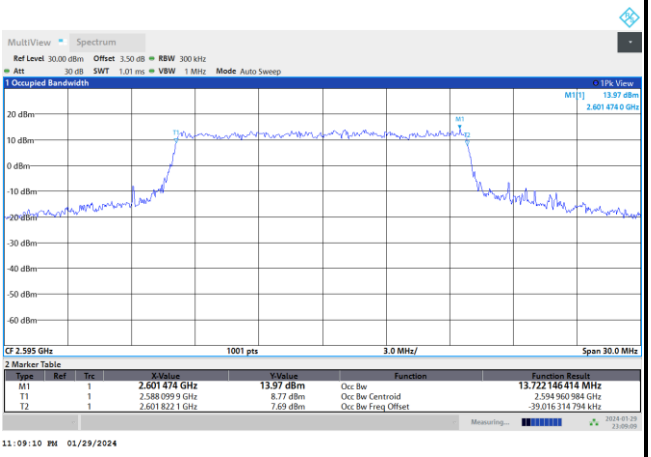
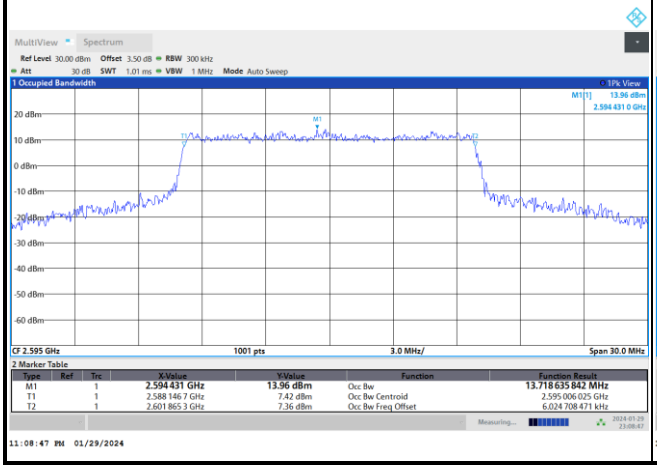
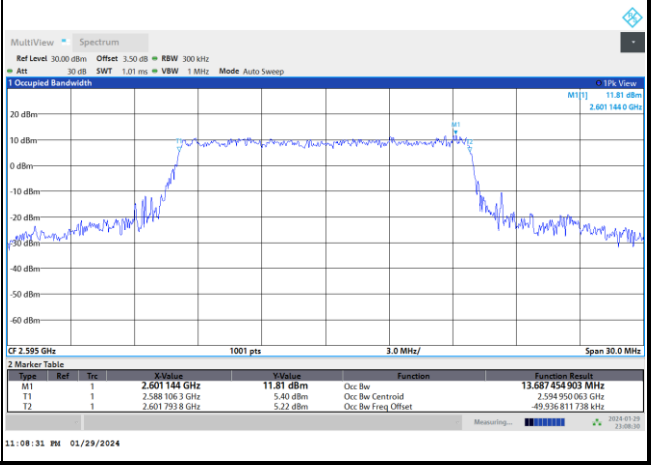
Mode	FR1 n38 : OB BW(MHz) / DFT-S OFDM				
BW	10MHz	15MHz	20MHz	30MHz	40MHz
Mod.	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK
Middle CH	8.67	12.96	18.05	27.29	36.00

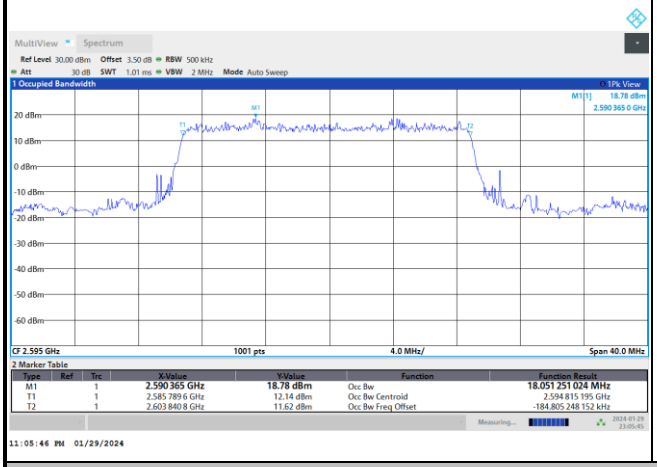
Mode	FR1 n38 : OB BW(MHz) / CP OFDM									
BW	10MHz		15MHz		20MHz		30MHz		40MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	8.72	8.73	13.73	13.72	18.43	18.45	28.33	28.24	38.09	38.14
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	8.75	8.64	13.71	13.68	18.45	18.38	28.24	28.27	38.11	38.29

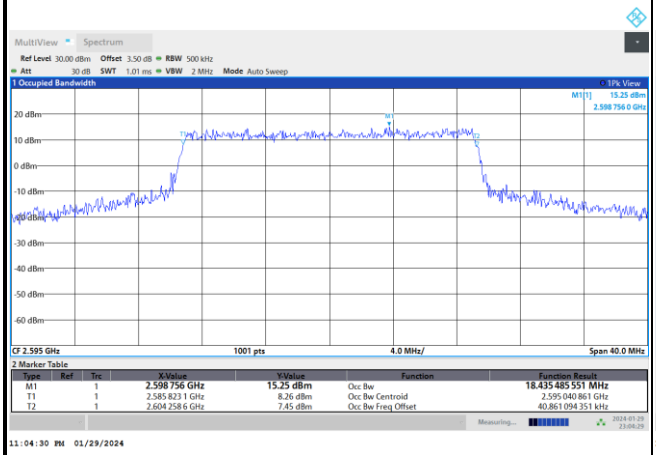
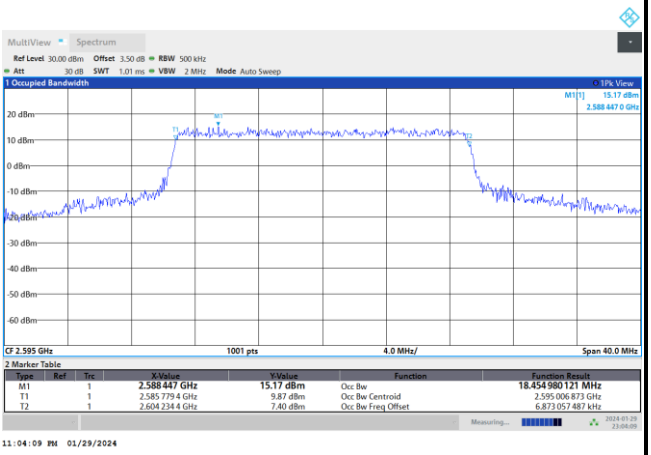
FR1 n38 / 10MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

FR1 n38 / 10MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

FR1 n38 / 15MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

FR1 n38 / 15MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

FR1 n38 / 20MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

FR1 n38 / 20MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM