Frequency Stability

Test Conditions		FR1 n48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0060	PASS
40	Normal Voltage	0.0072	
30	Normal Voltage	0.0056	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0033	
0	Normal Voltage	0.0066	
-10	Normal Voltage	0.0034	
-20	Normal Voltage	0.0051	
-30	Normal Voltage	0.0022	
20	Maximum Voltage	0.0067	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0062	

Note:

1. Normal Voltage = 3.3 V.；Battery End Point (BEP) = 3.135 V.；Maximum Voltage = 3.465 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

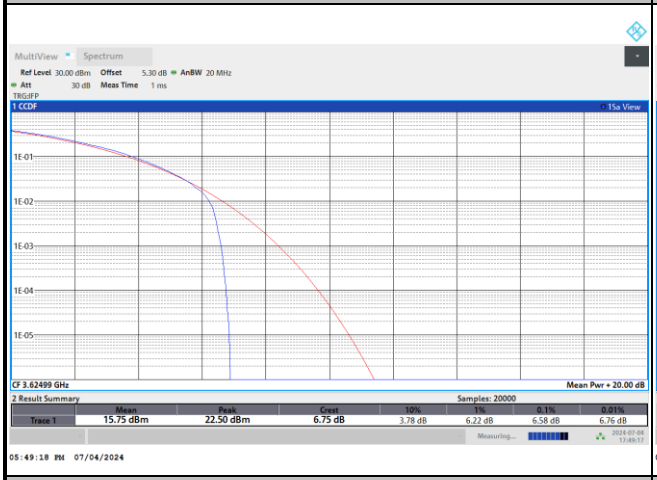
<Ant. 0>

Peak-to-Average Ratio

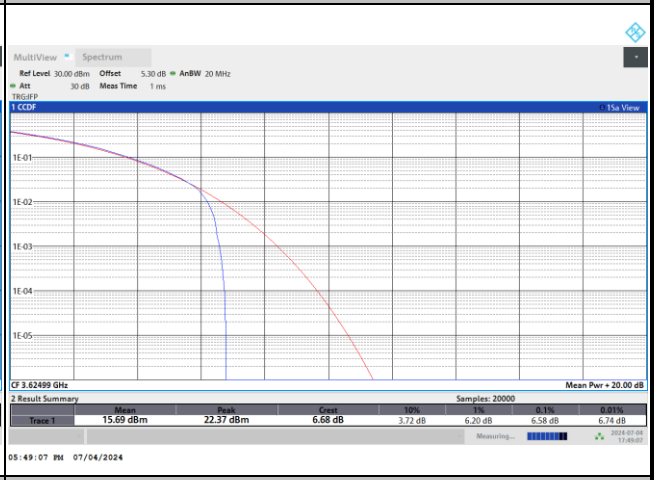
Mode	FR1 n48 / 20MHz / CP OFDM				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	6.58	6.58	7.08	8.54	PASS

FR1 n48 / 20MHz / CP OFDM / Middle Channel / Full RB

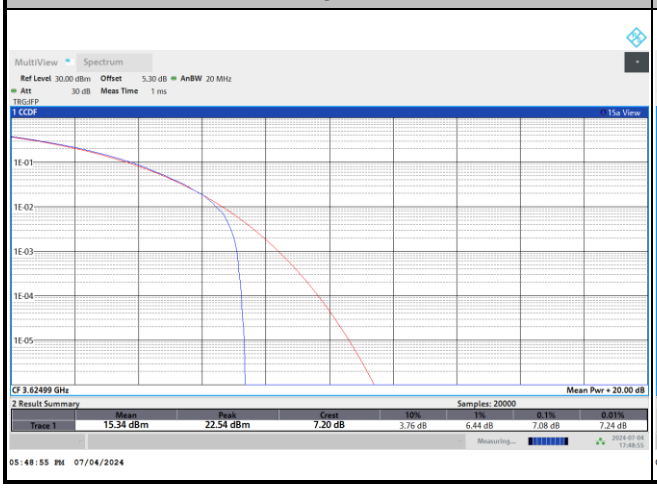
QPSK



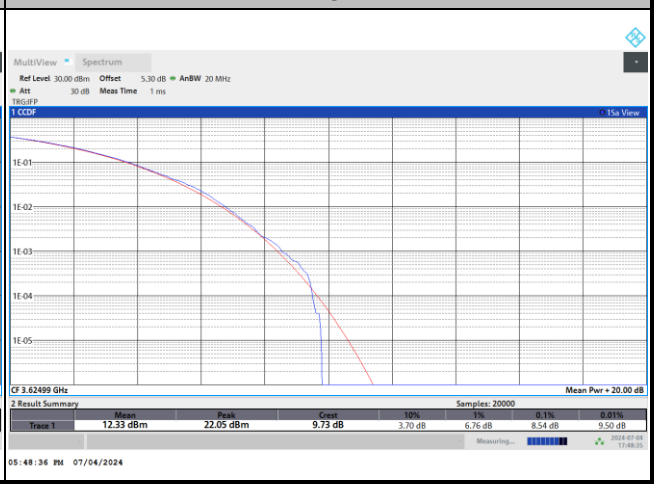
16QAM



64QAM

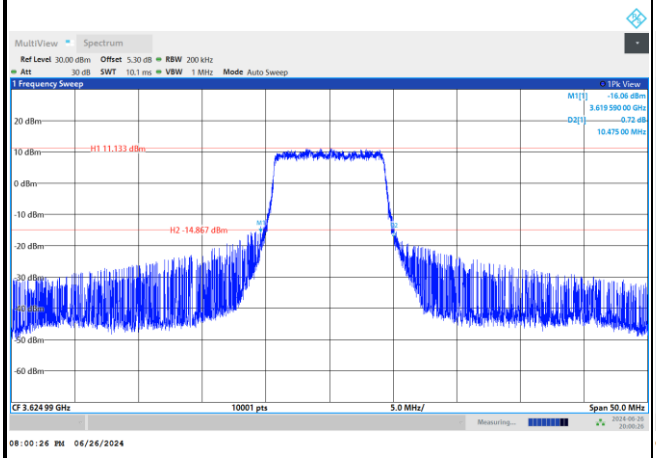
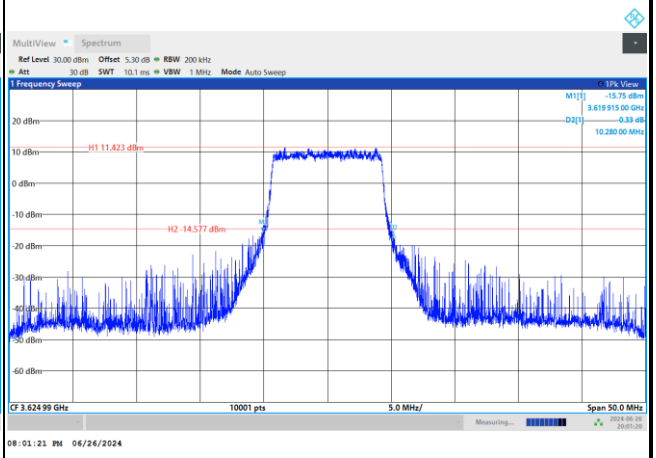
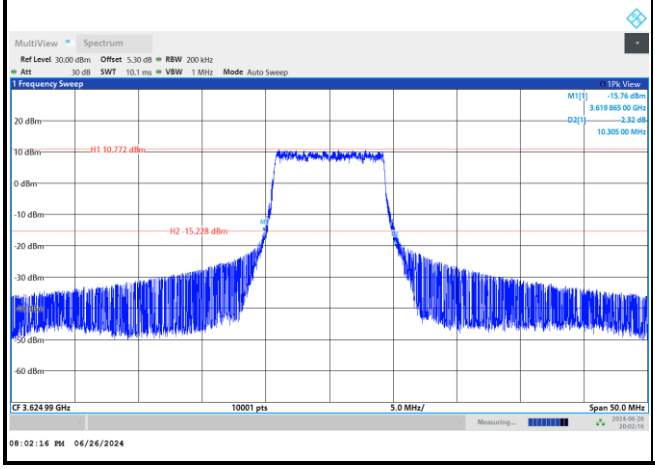
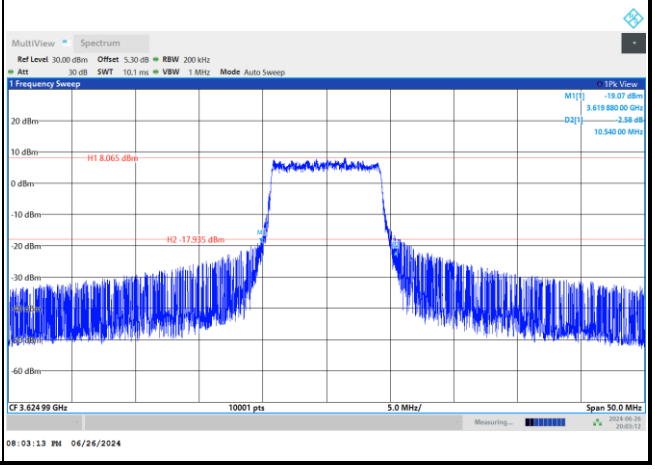


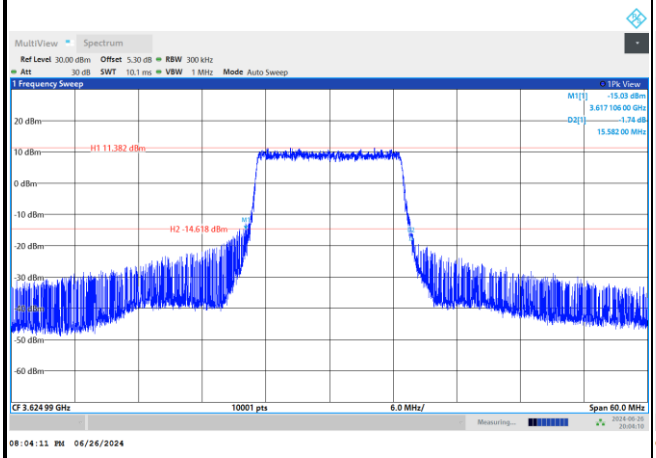
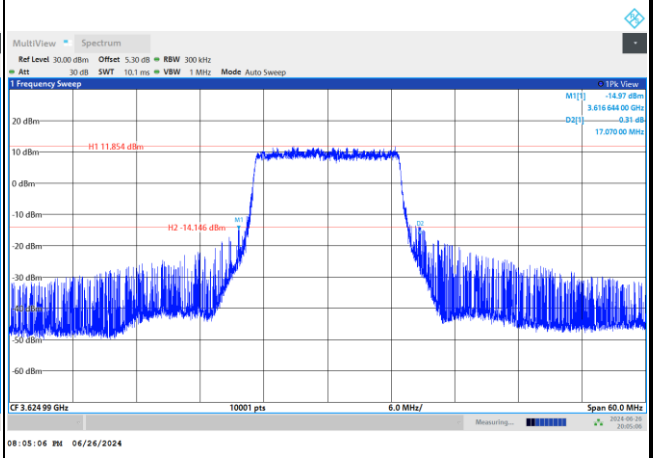
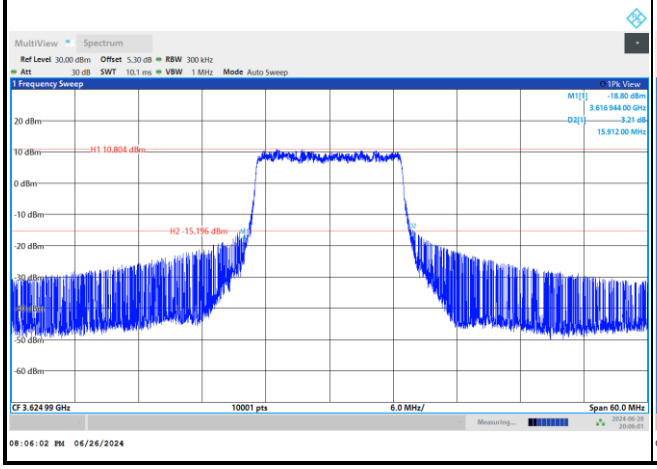
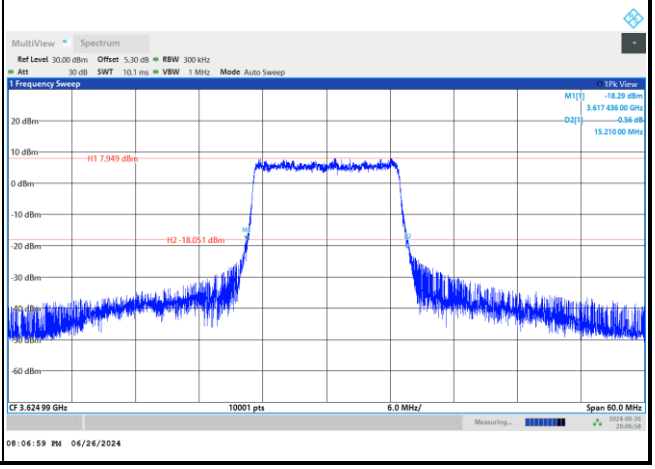
256QAM

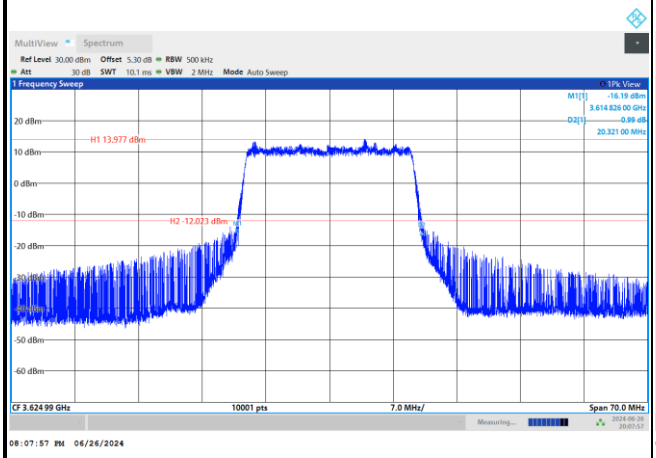
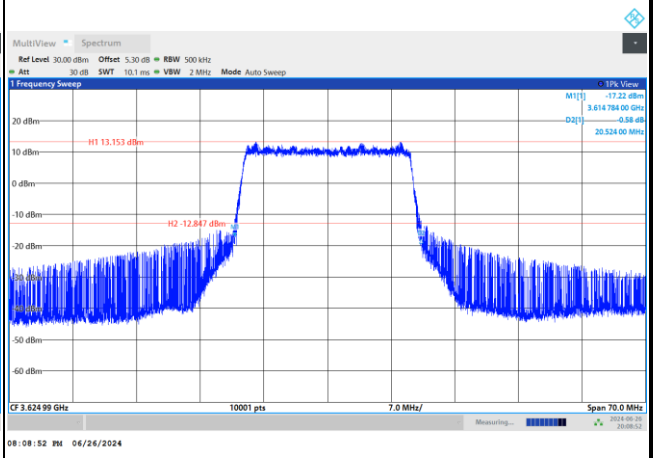
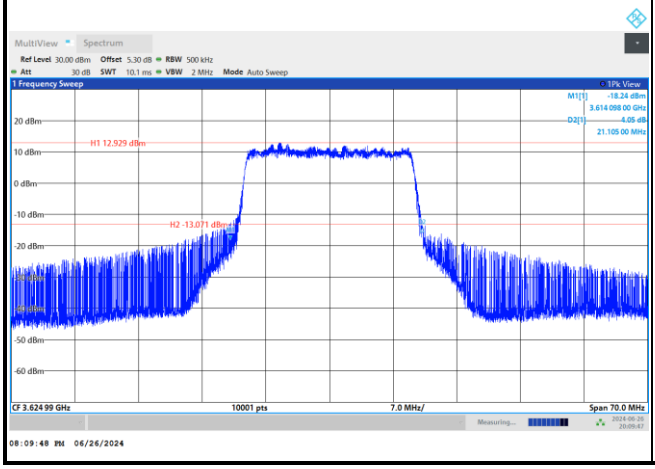
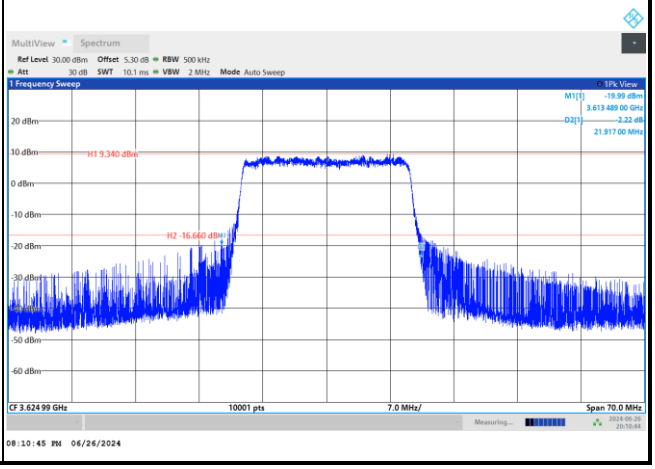


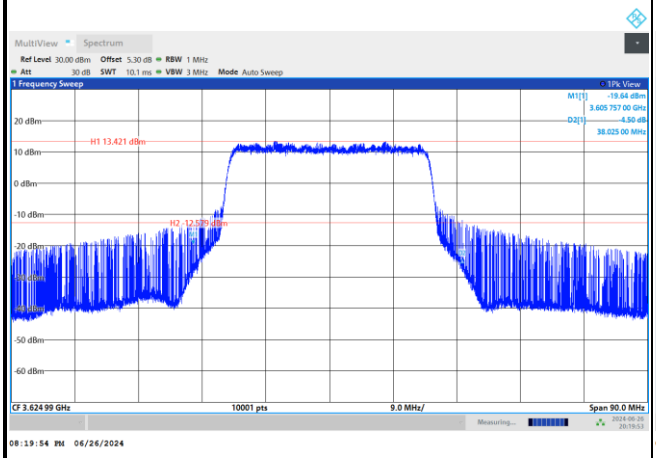
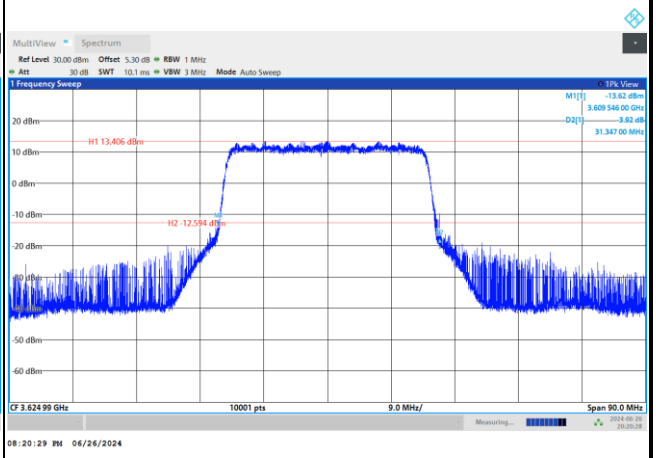
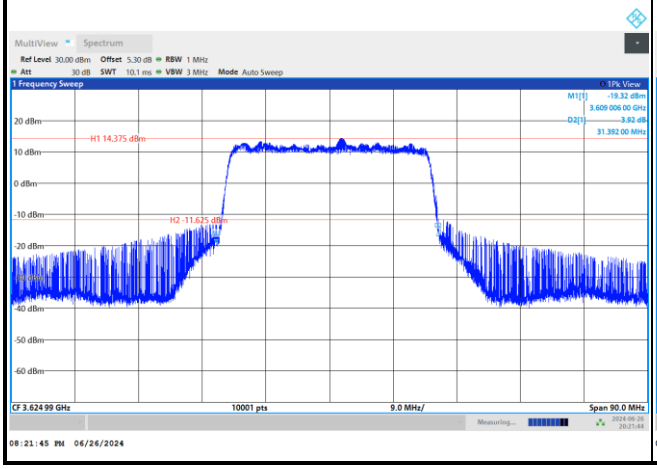
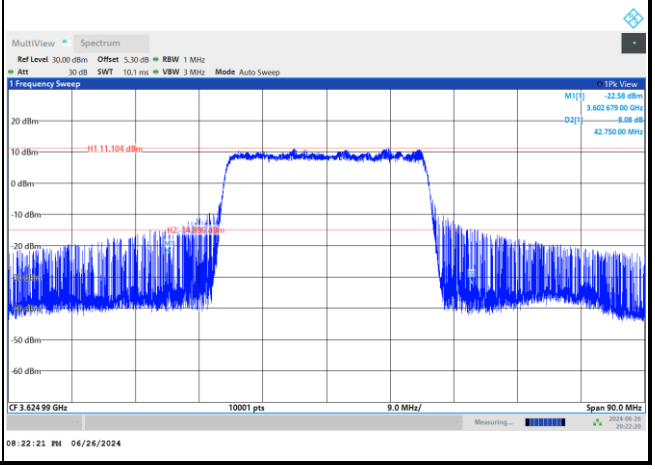
26dB Bandwidth

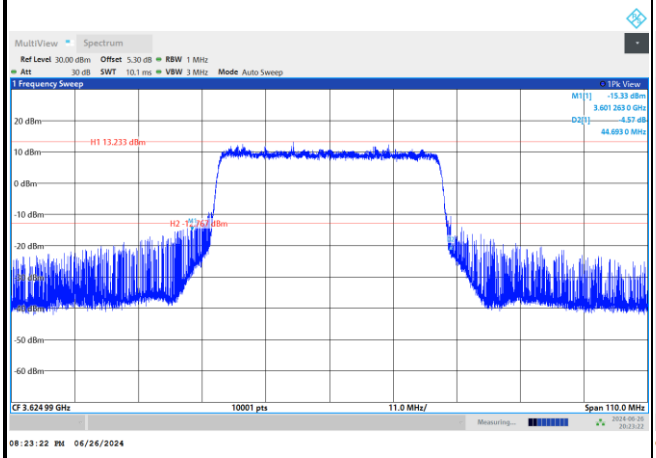
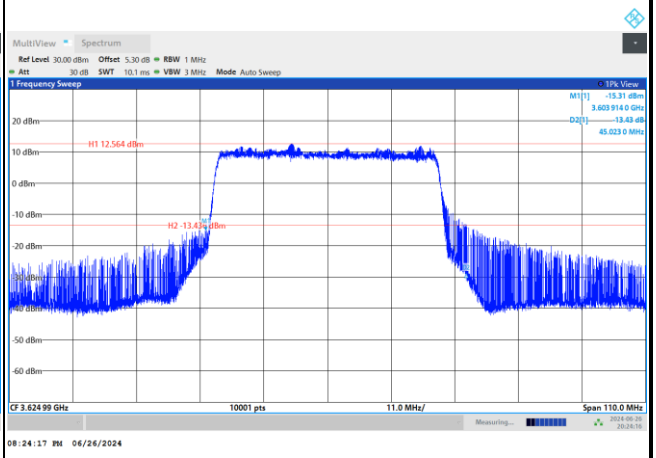
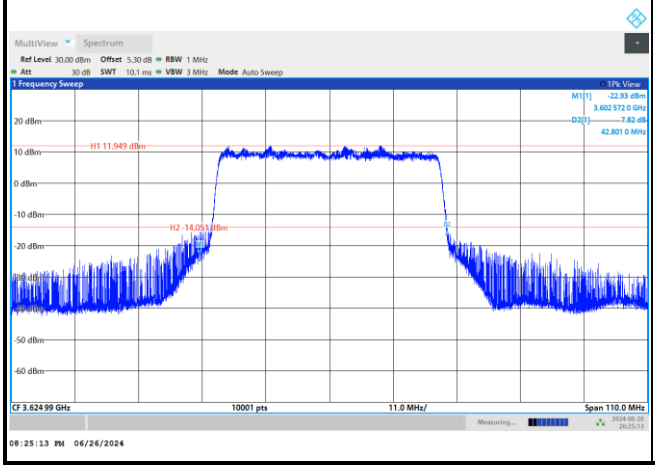
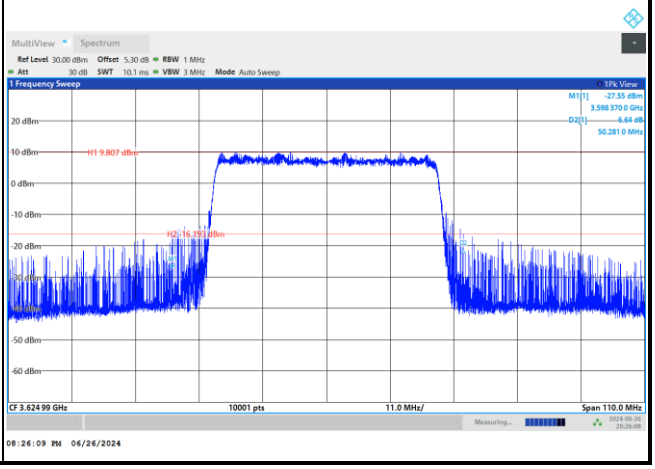
Mode	FR1 n48 : 26dB BW(MHz) / CP OFDM					
BW	10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	10.47	10.27	15.58	17.07	20.32	20.52
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	10.30	10.53	15.91	15.21	21.10	21.91
BW	30MHz		40MHz		-	
Mod.	QPSK	16QAM	QPSK	16QAM	-	-
Middle CH	38.02	31.34	44.69	45.02	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	-	-
Middle CH	31.39	42.75	42.80	50.28	-	-

FR1 n48 / 10MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

FR1 n48 / 15MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

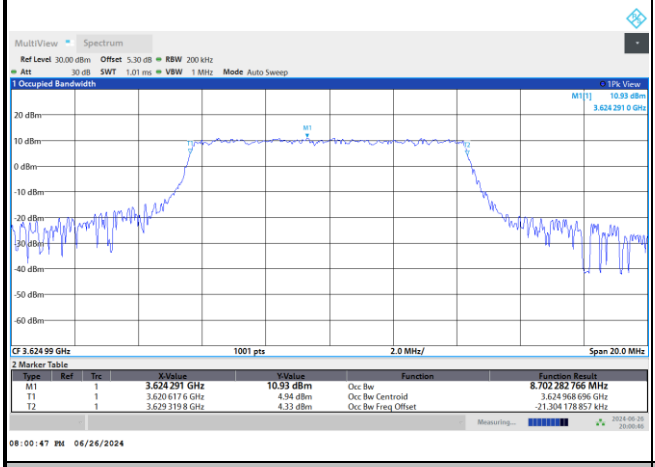
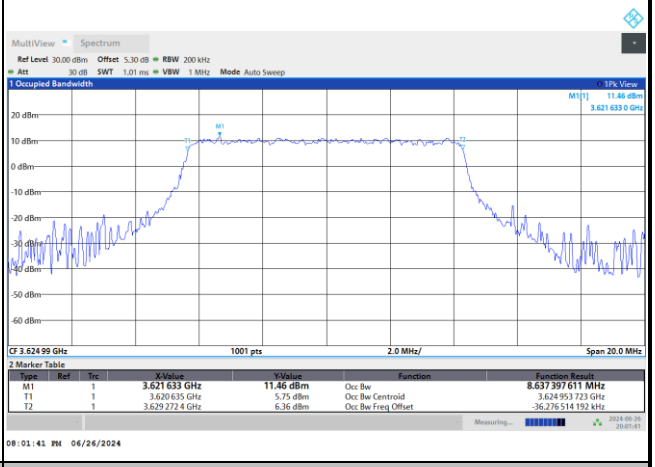
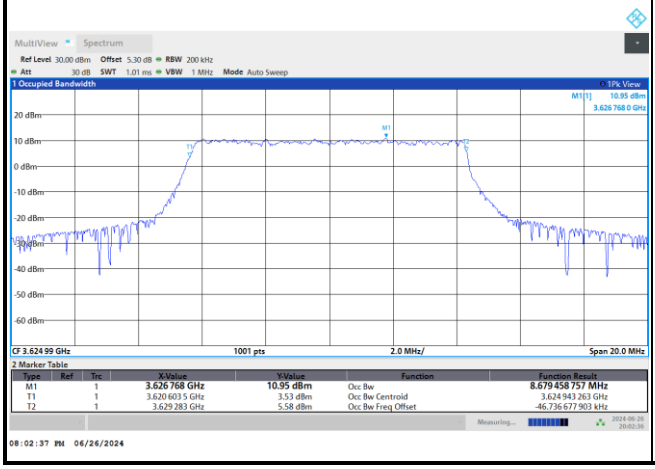
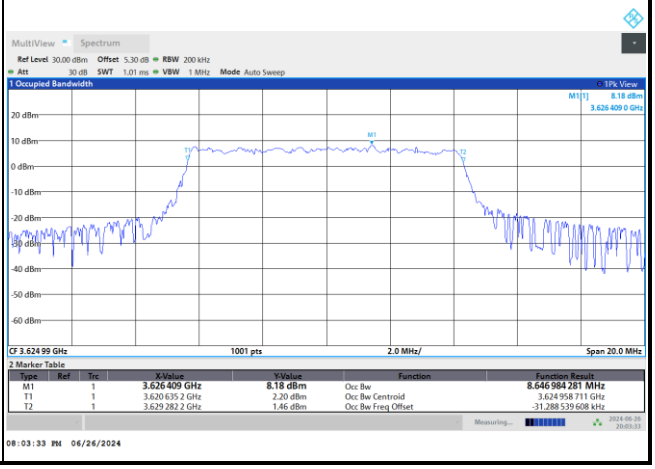
FR1 n48 / 20MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

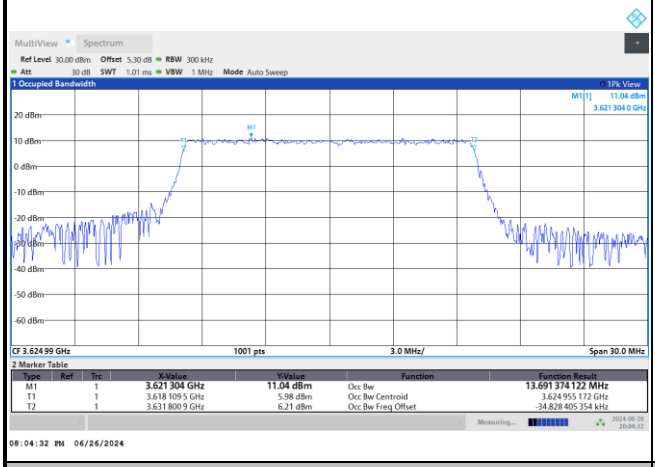
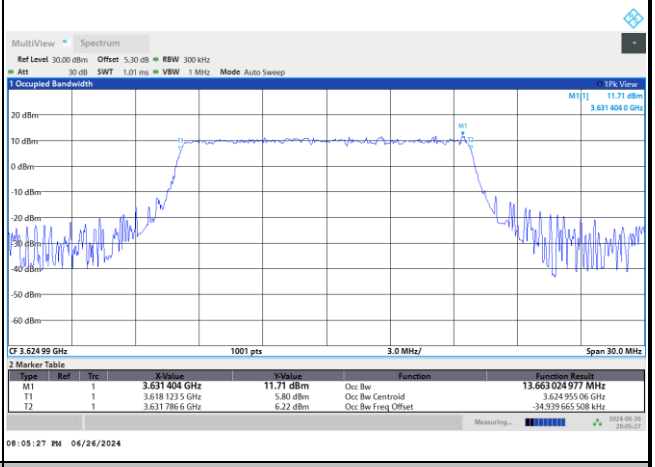
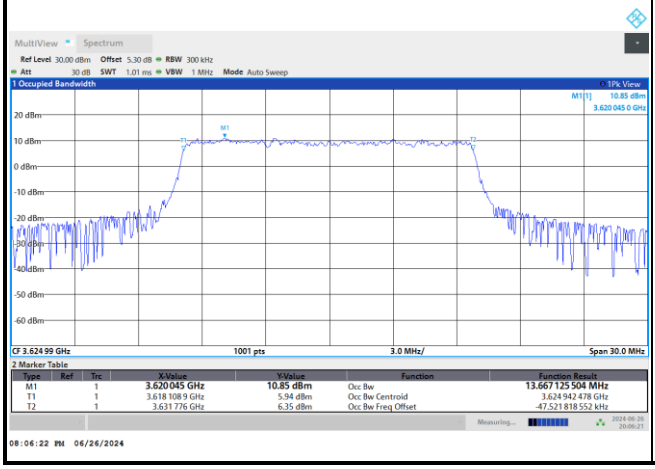
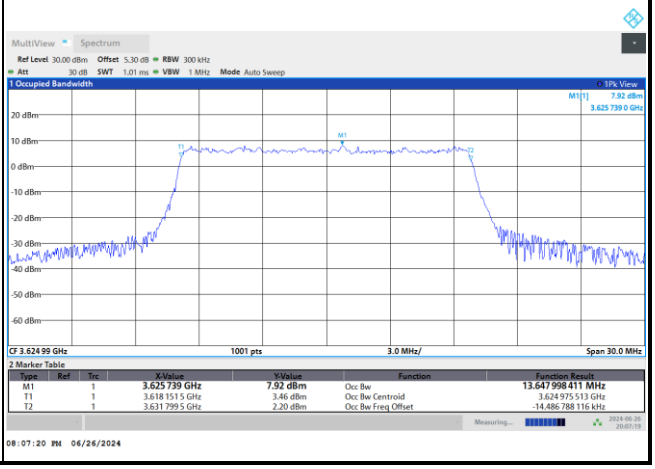
FR1 n48 / 30MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

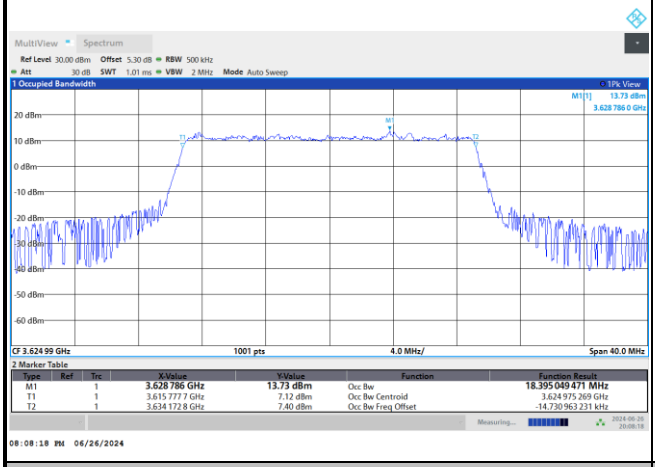
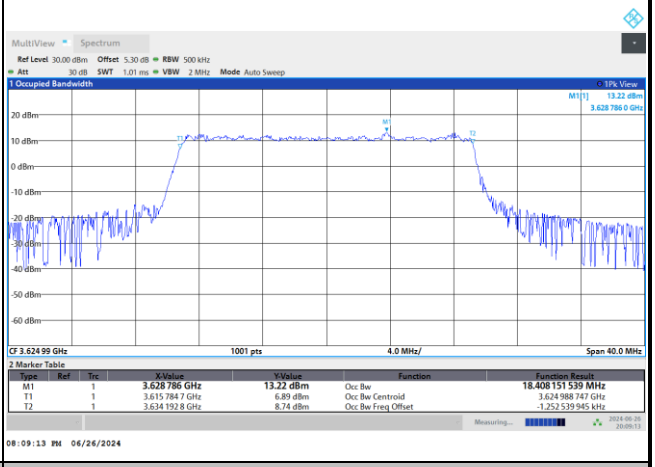
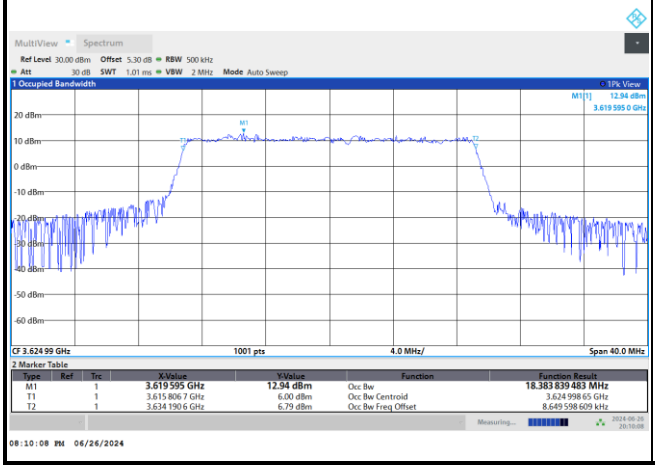
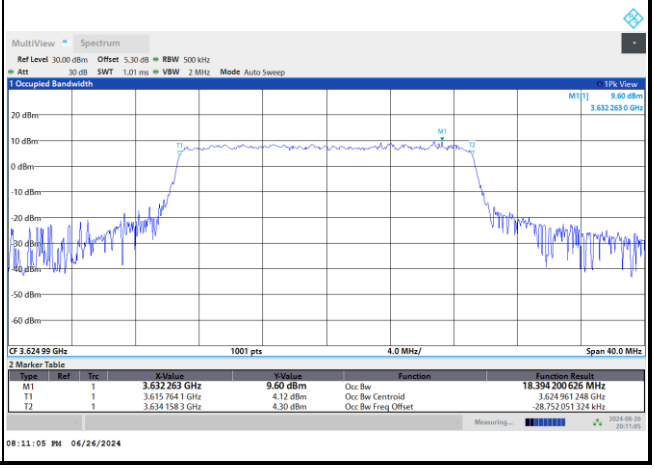
FR1 n48 / 40MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

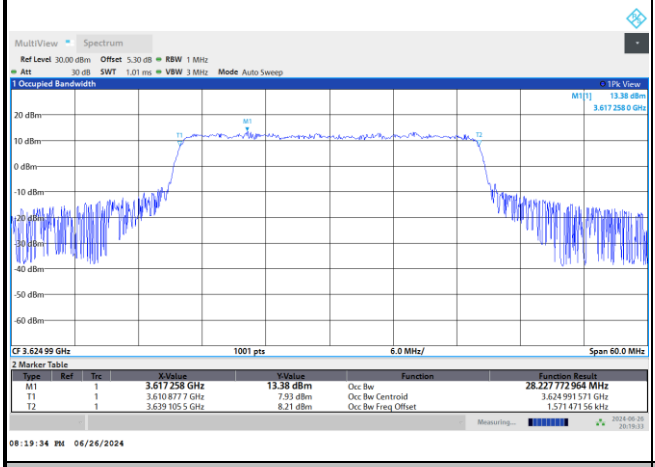
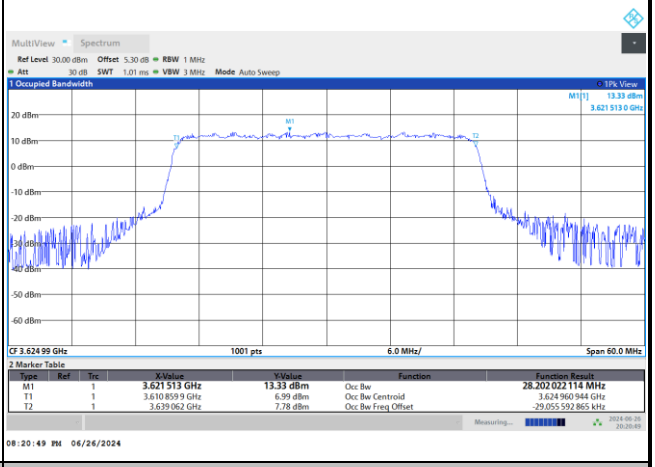
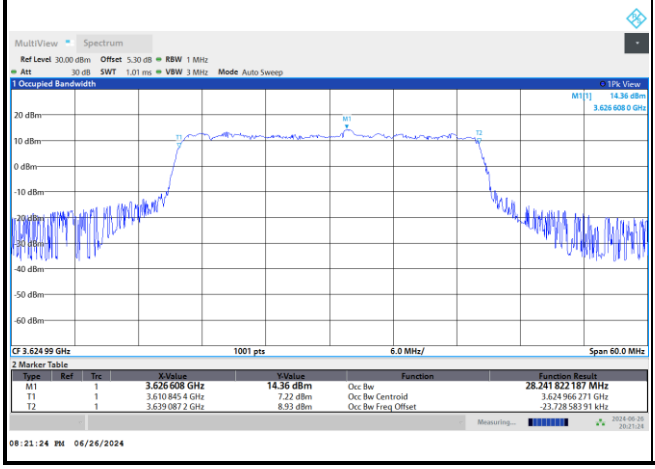
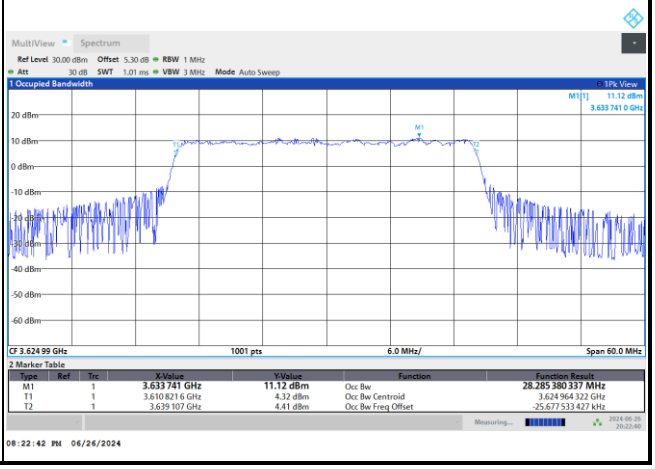
Occupied Bandwidth

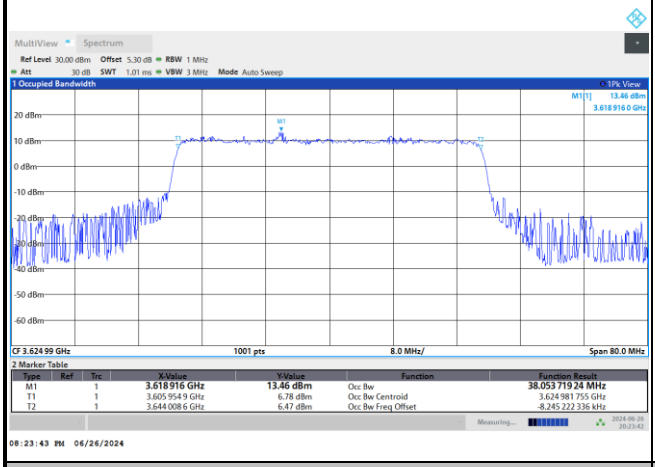
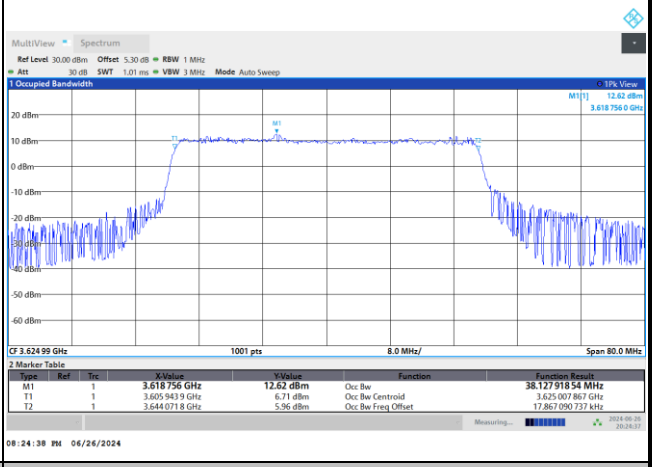
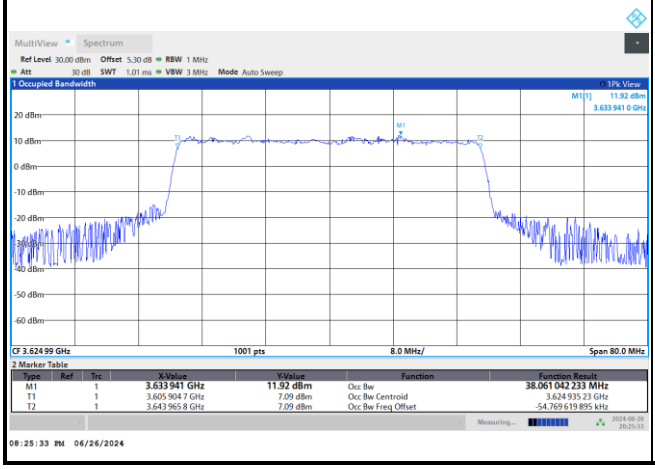
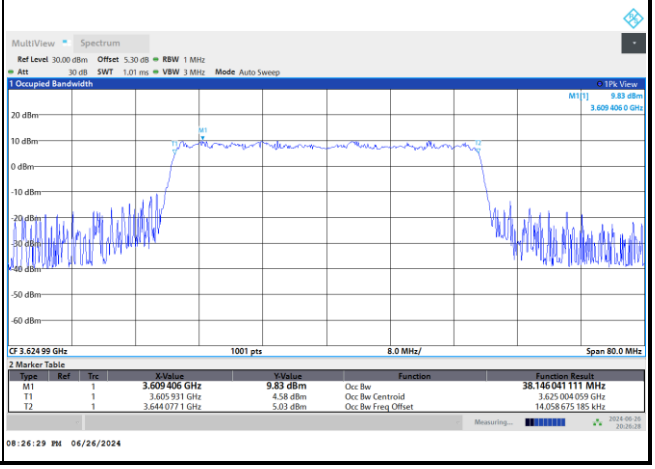
Mode	FR1 n48 : OB BW(MHz) / CP OFDM					
BW	10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	8.70	8.63	13.69	13.66	18.39	18.40
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	8.67	8.64	13.66	13.64	18.38	18.39
BW	30MHz		40MHz		-	
Mod.	QPSK	16QAM	QPSK	16QAM	-	-
Middle CH	28.22	28.20	38.05	38.12	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	-	-
Middle CH	28.24	28.28	38.06	38.14	-	-

FR1 n48 / 10MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

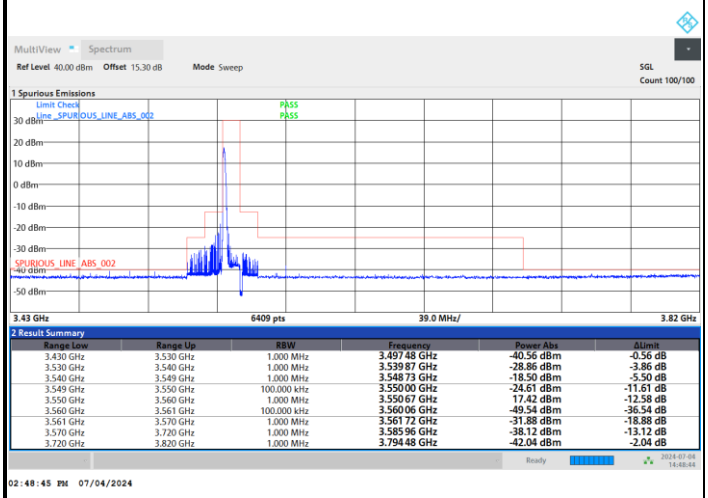
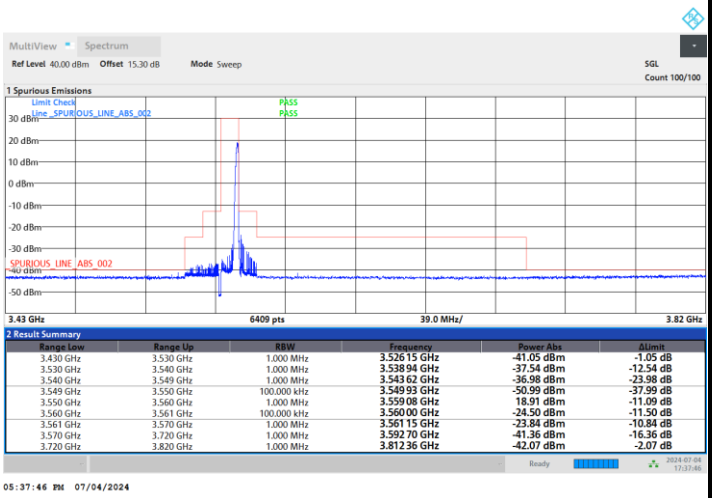
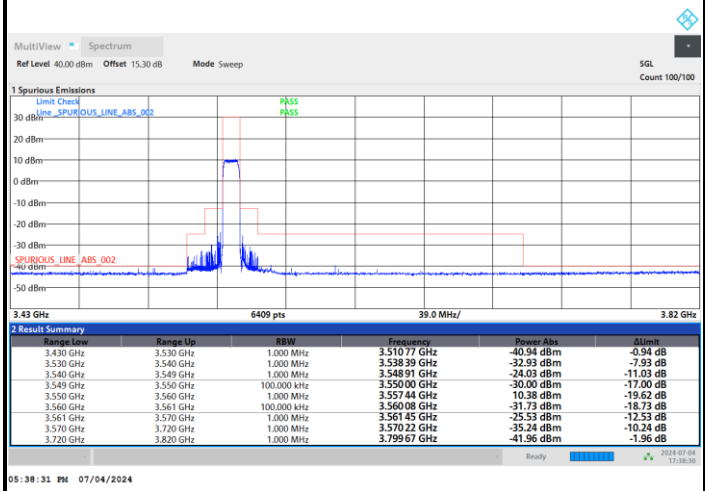
FR1 n48 / 15MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

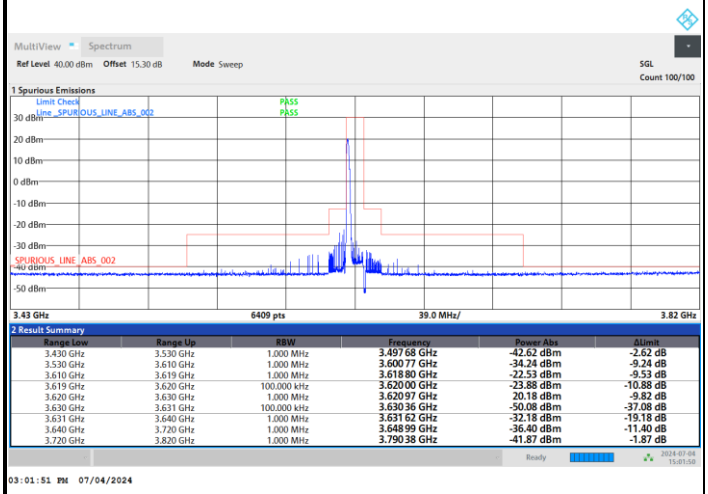
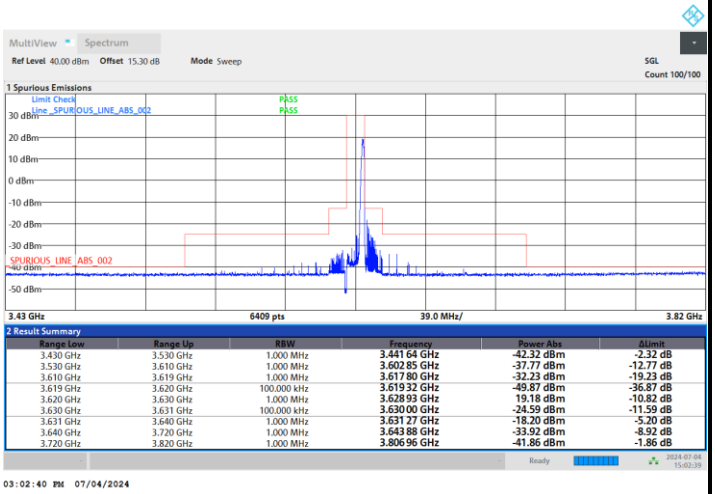
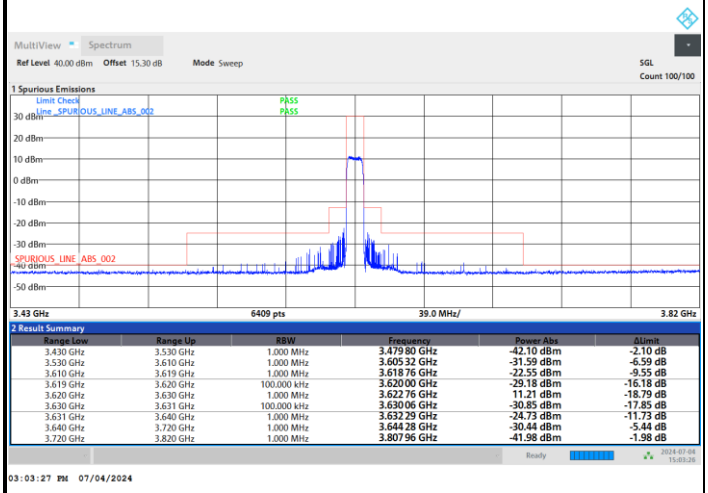
FR1 n48 / 20MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

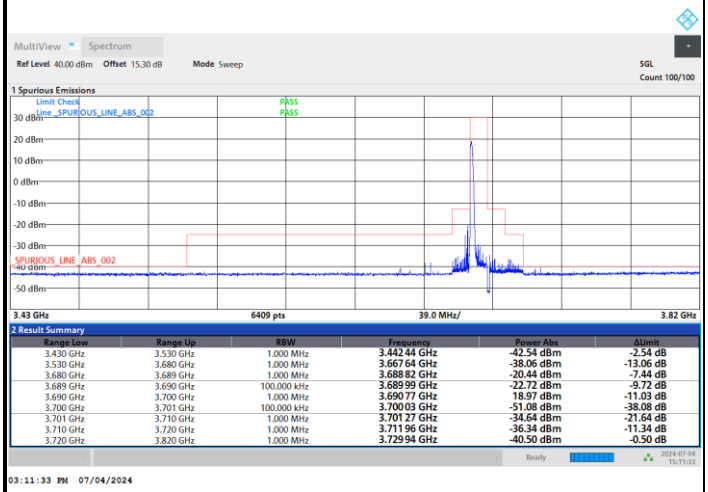
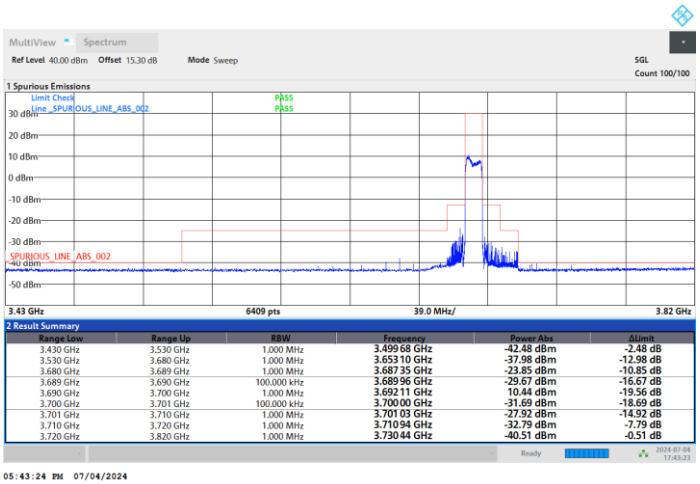
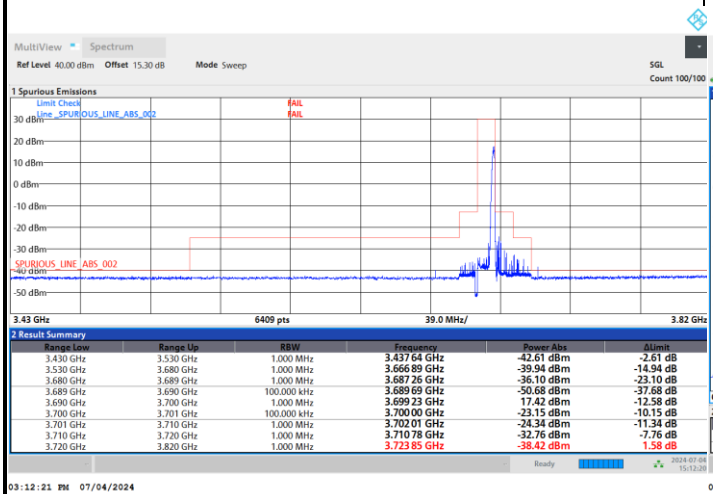
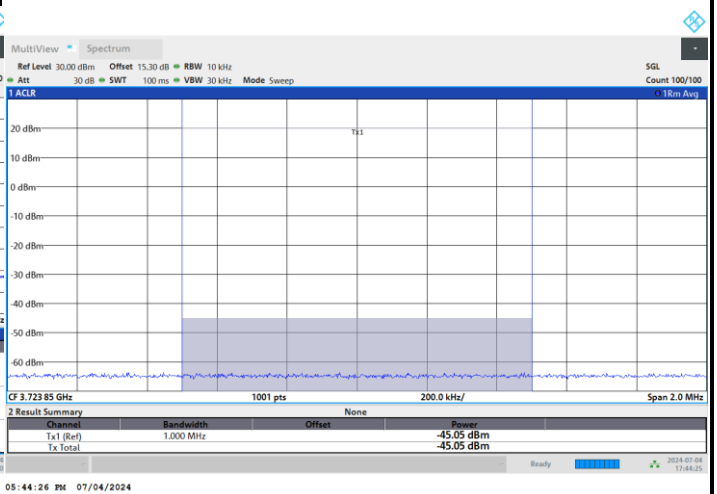
FR1 n48 / 30MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

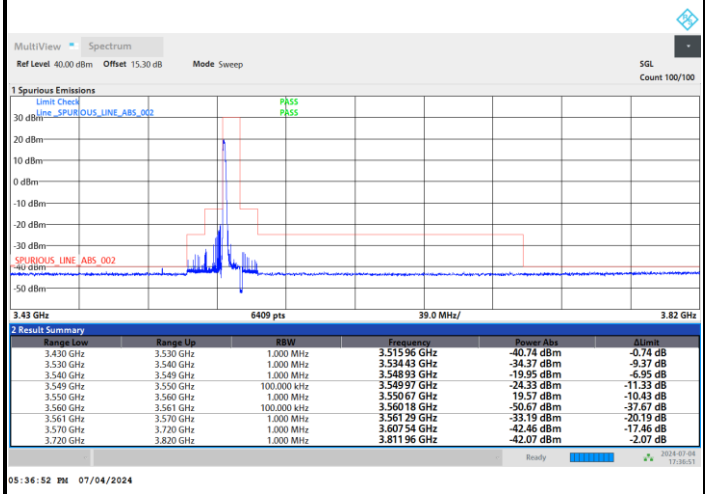
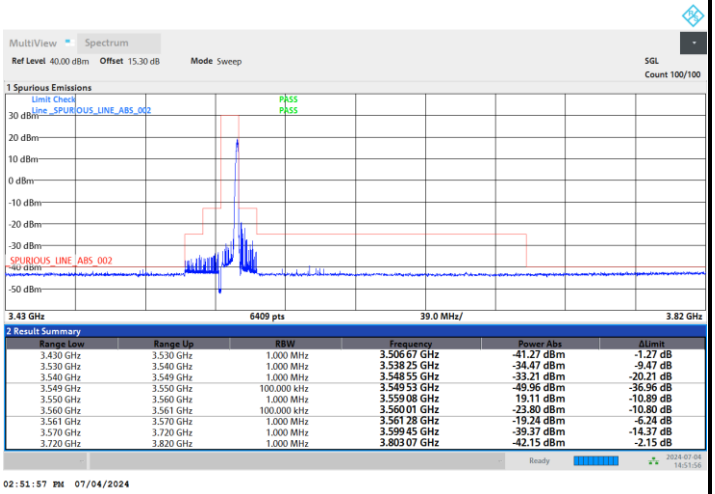
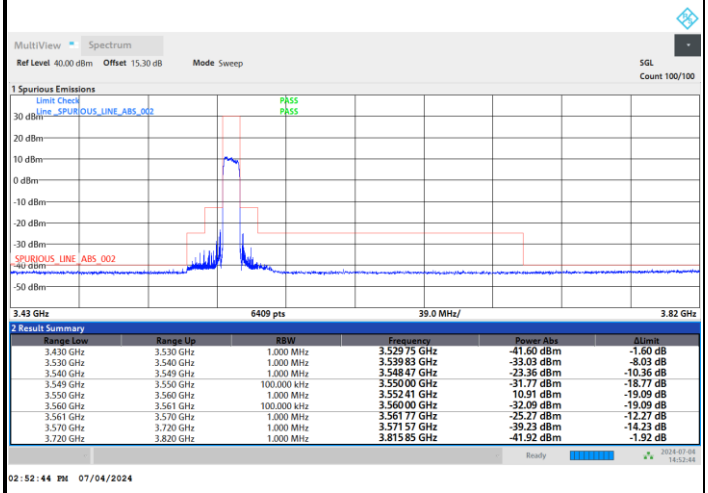
FR1 n48 / 40MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

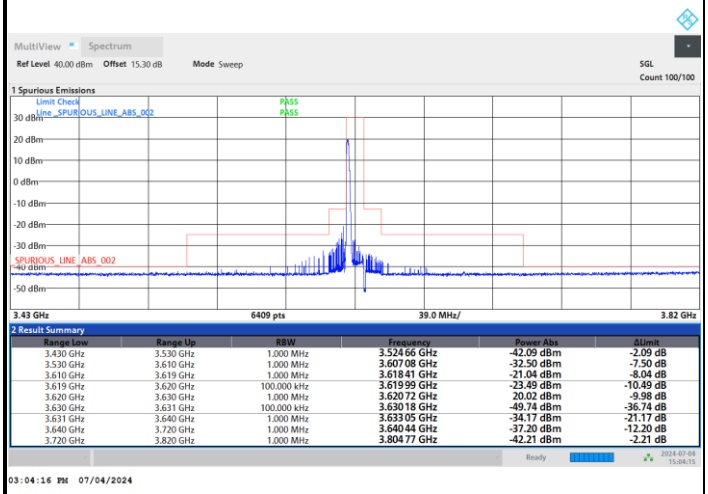
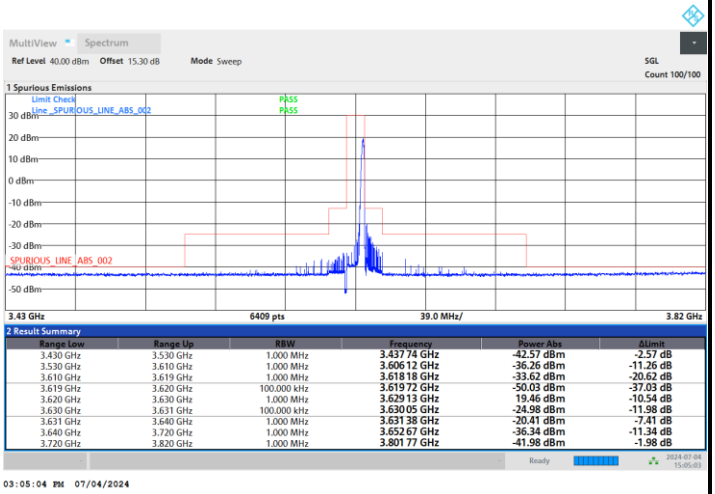
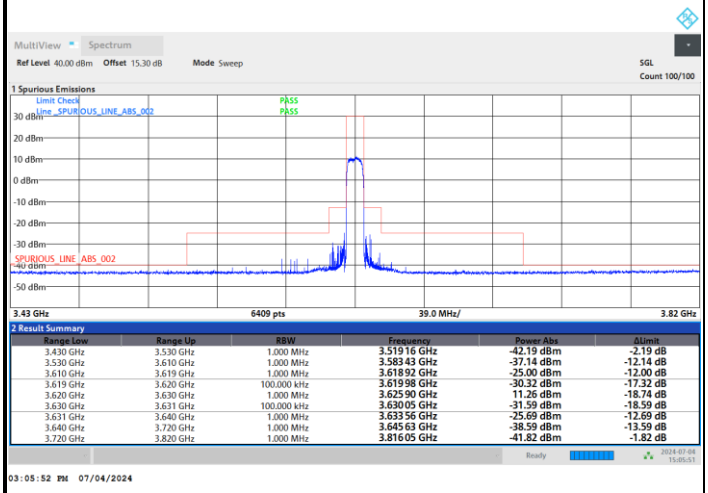
Unwanted Emission (MASK)

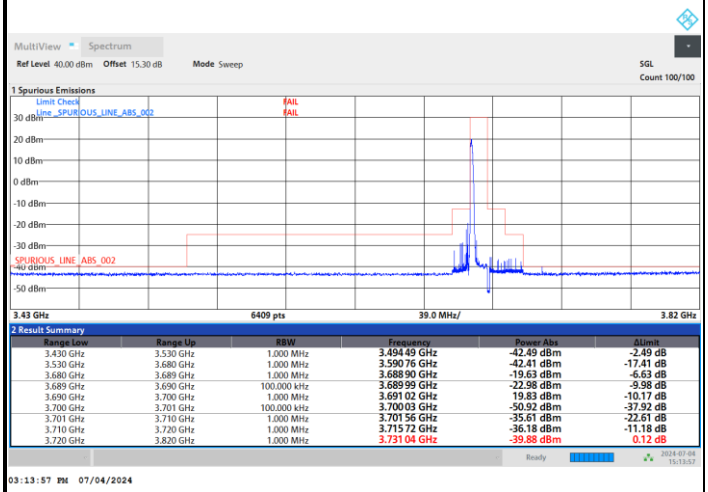
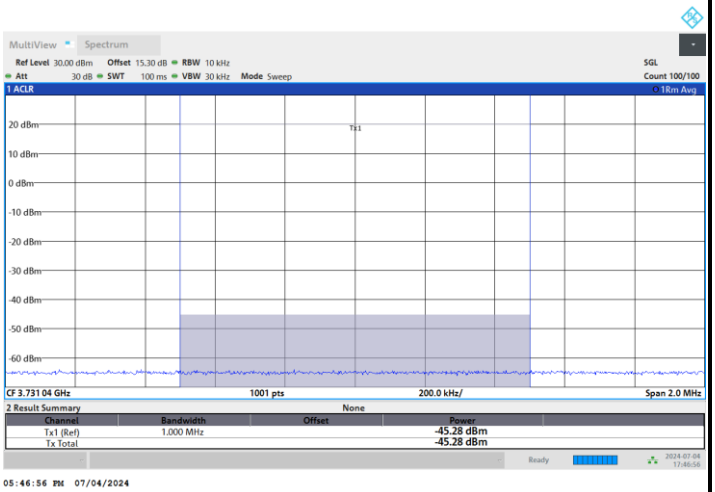
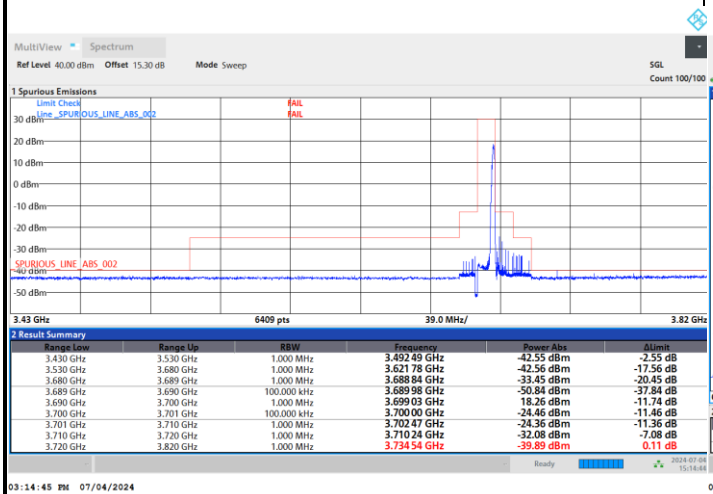
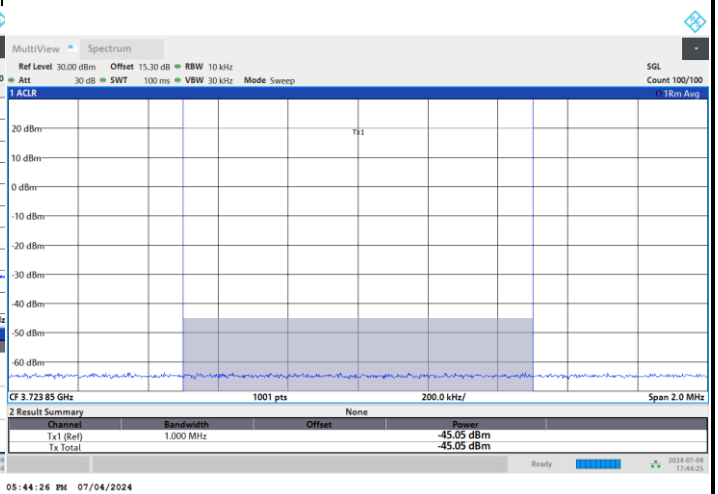
FR1 n48 / 10MHz / CP OFDM / QPSK	
Lowest Channel	
1RB0	1RBmax
	
Full RB	
	

FR1 n48 / 10MHz / CP OFDM / QPSK	
Middle Channel	
1RB0	**1RBmax**
	
Full RB	
	

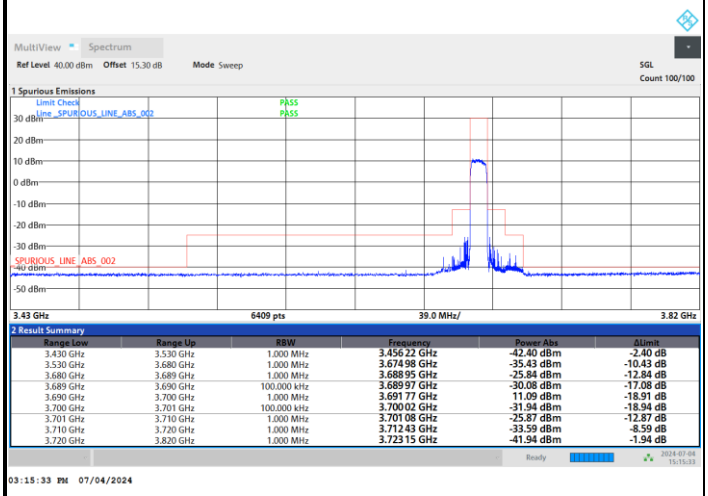
FR1 n48 / 10MHz / CP OFDM / QPSK	
Highest Channel	
1RB0	Full RB
	
1RBmax	Channel power -40dBm > -45.05dBm (PASS)
	

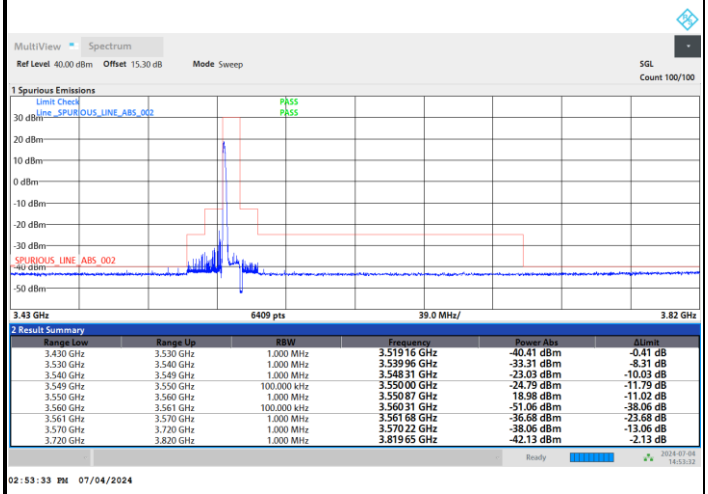
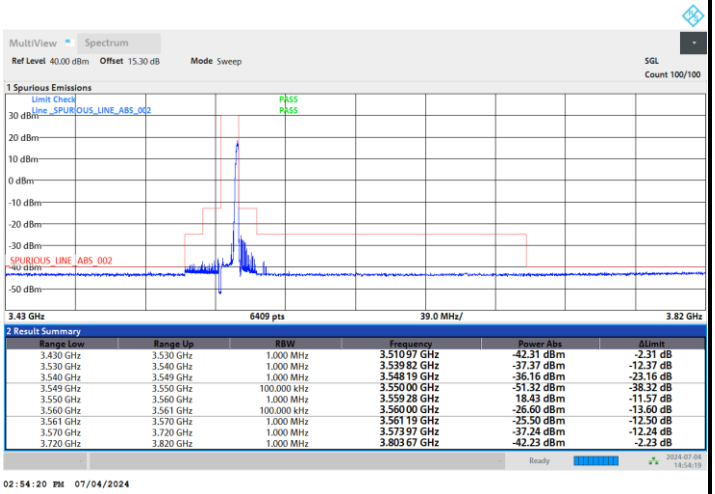
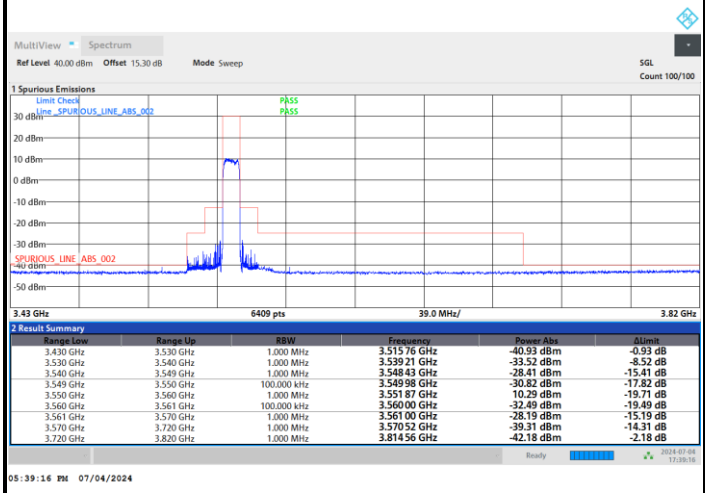
FR1 n48 / 10MHz / CP OFDM / 16QAM	
Lowest Channel	
1RB0	**1RBmax**
	
Full RB	
	

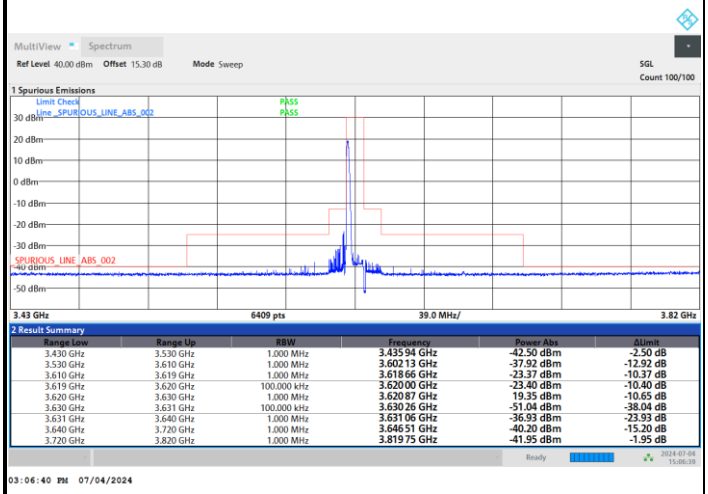
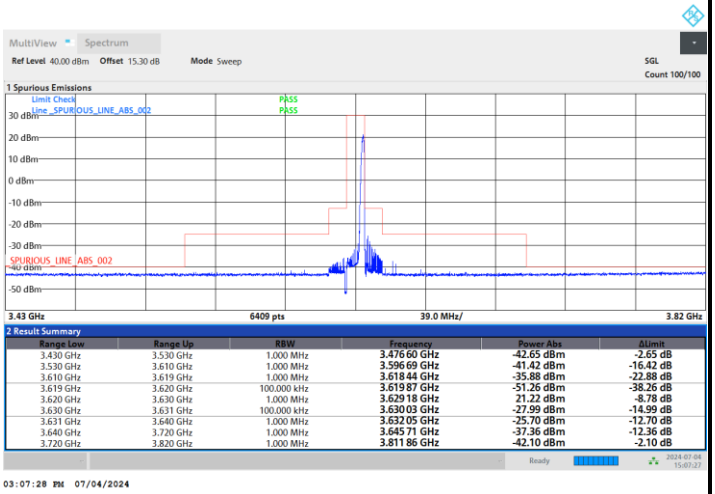
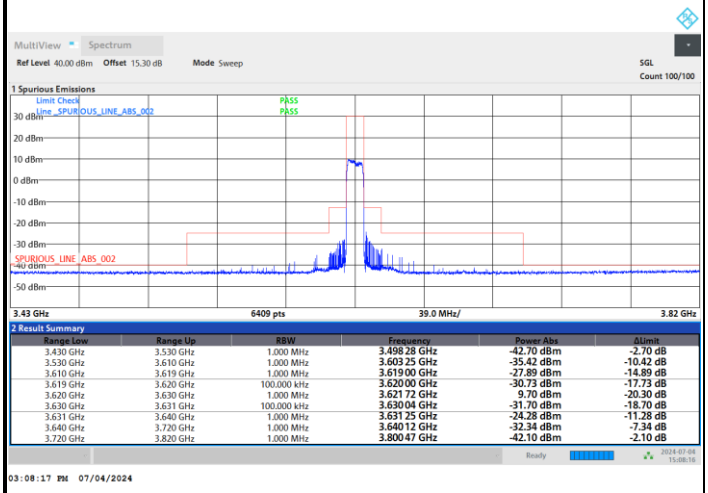
FR1 n48 / 10MHz / CP OFDM / 16QAM	
Middle Channel	
1RB0	**1RBmax**
	
Full RB	
	

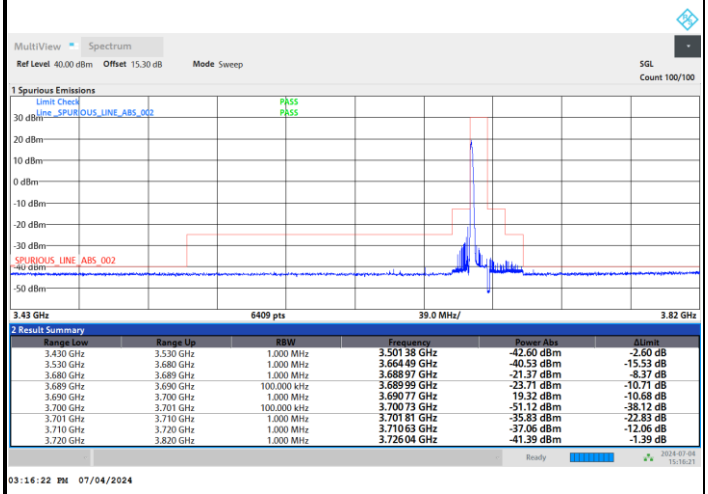
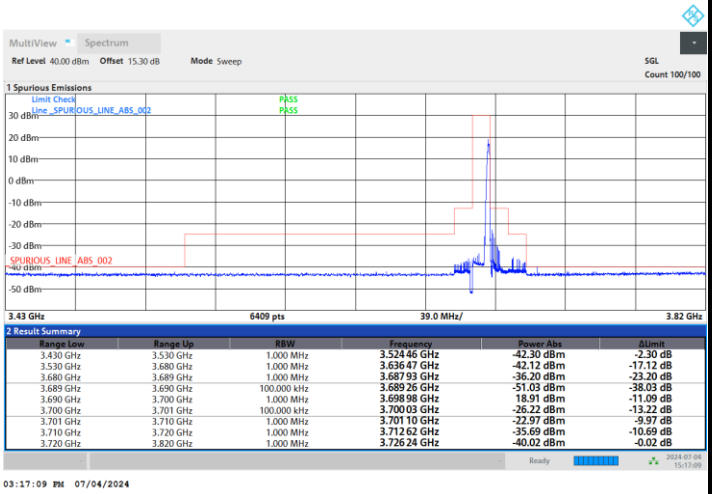
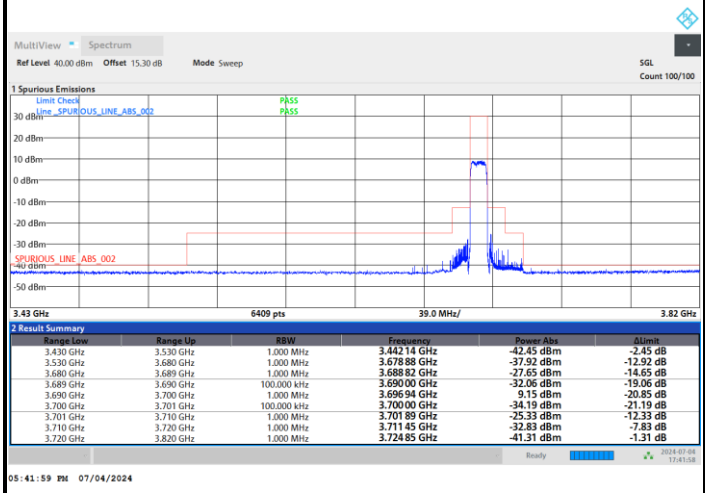
FR1 n48 / 10MHz / CP OFDM / 16QAM	
Highest Channel	
1RB0	**Channel power -40dBm > -45.28dBm (PASS)**
	
1RBmax	**Channel power -40dBm > -45.05dBm (PASS)**
	

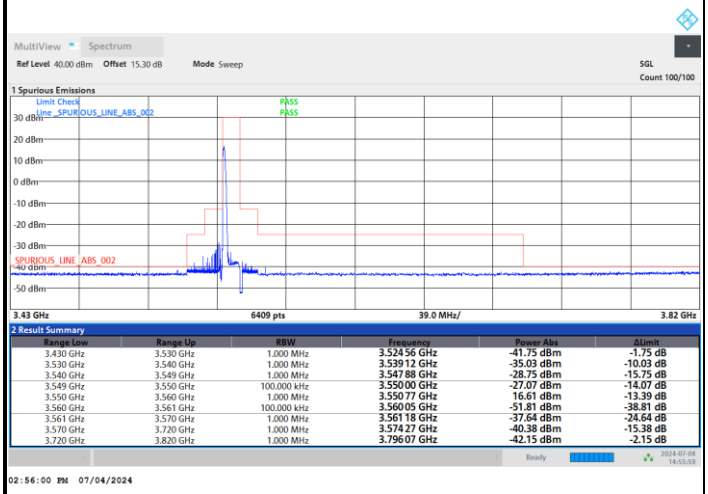
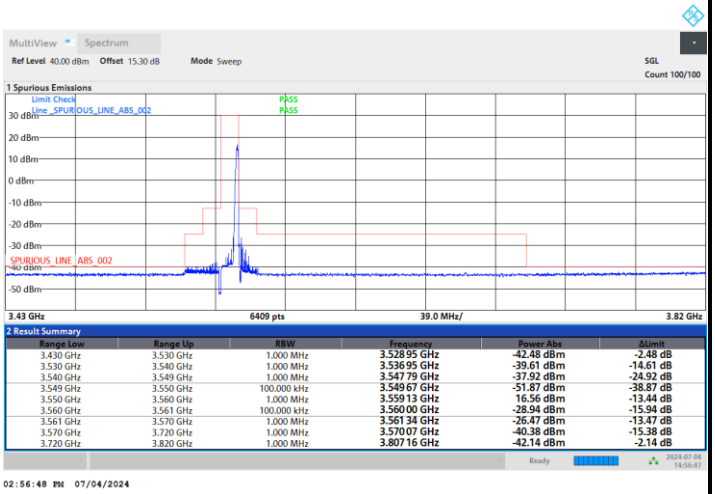
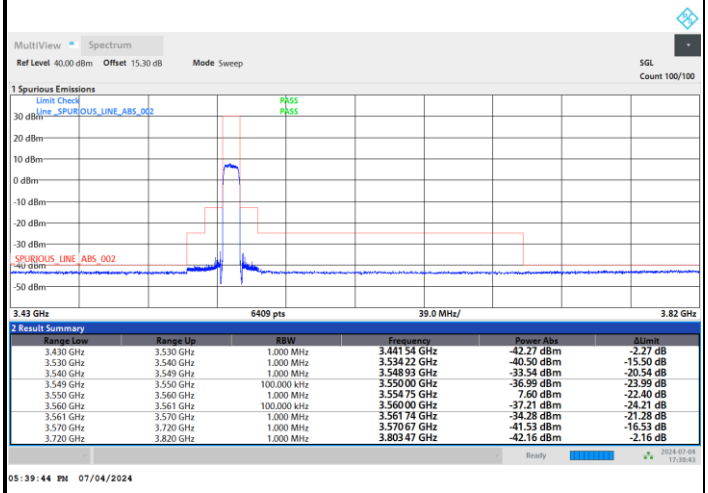
FR1 n48 / 10MHz / CP OFDM / 16QAM	
Highest Channel	
Full RB	

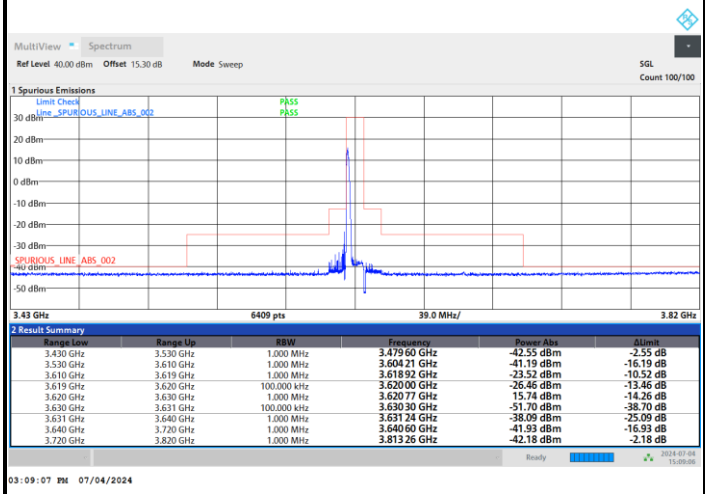
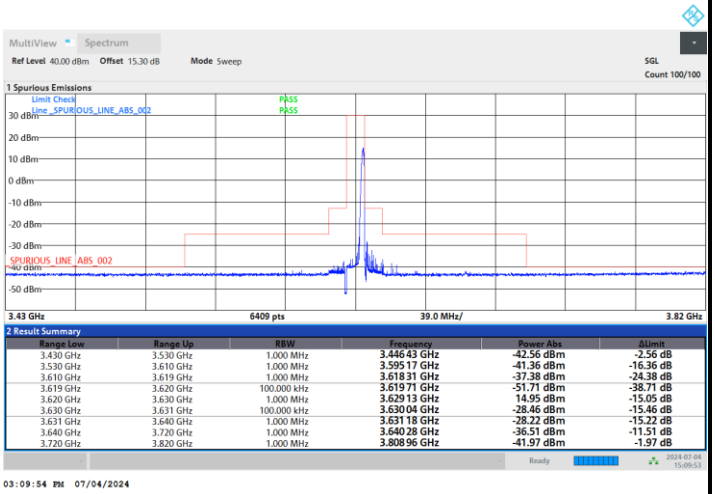


FR1 n48 / 10MHz / CP OFDM / 64QAM	
Lowest Channel	
1RB0	1RBmax
	
Full RB	
	

FR1 n48 / 10MHz / CP OFDM / 64QAM	
Middle Channel	
1RB0	**1RBmax**
	
Full RB	
	

FR1 n48 / 10MHz / CP OFDM / 64QAM	
Highest Channel	
1RB0	**1RBmax**
	
Full RB	
	

FR1 n48 / 10MHz / CP OFDM / 256QAM	
Lowest Channel	
1RB0	**1RBmax**
	
Full RB	
	

FR1 n48 / 10MHz / CP OFDM / 256QAM	
Middle Channel	
1RB0	**1RBmax**
	
Full RB