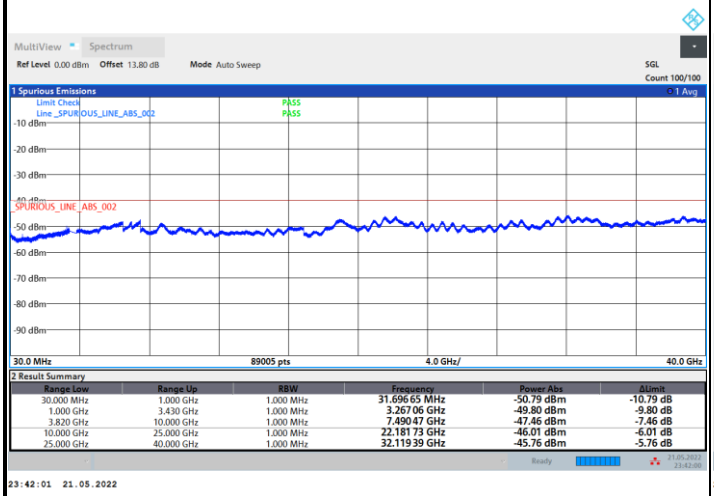
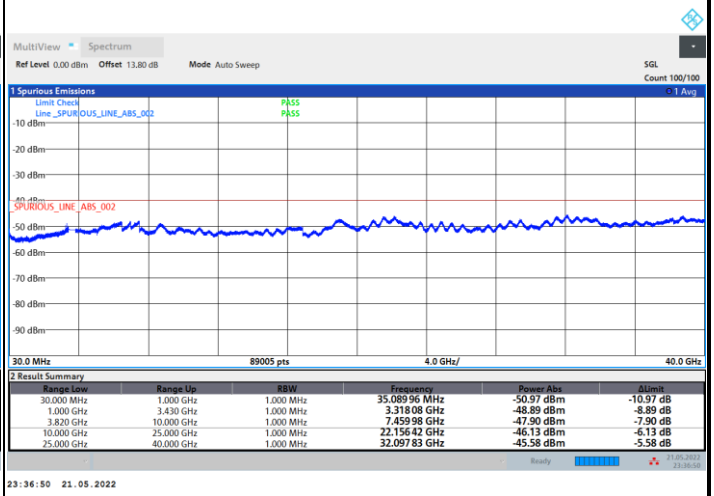
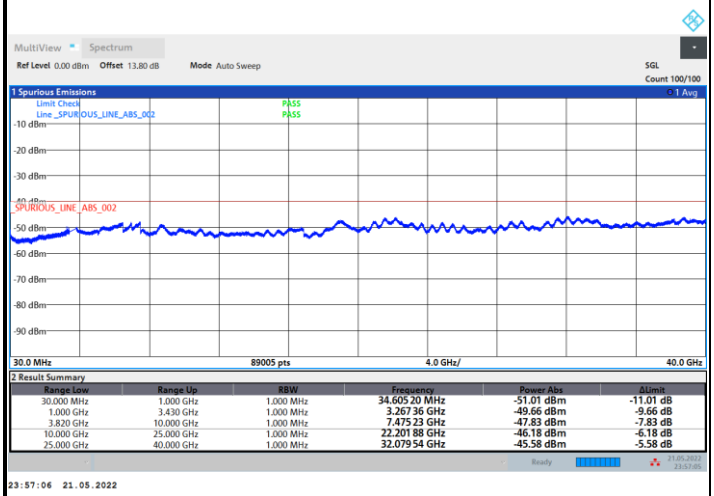
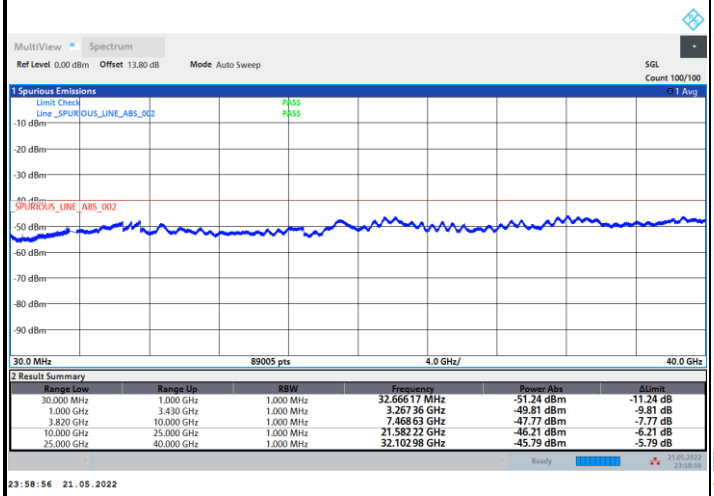
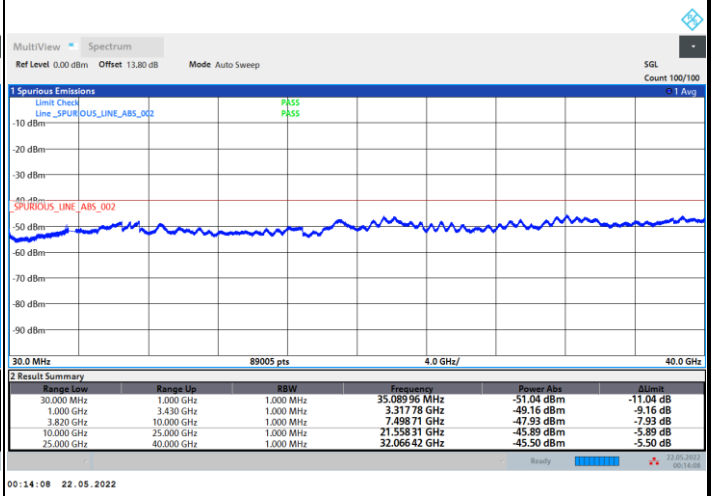
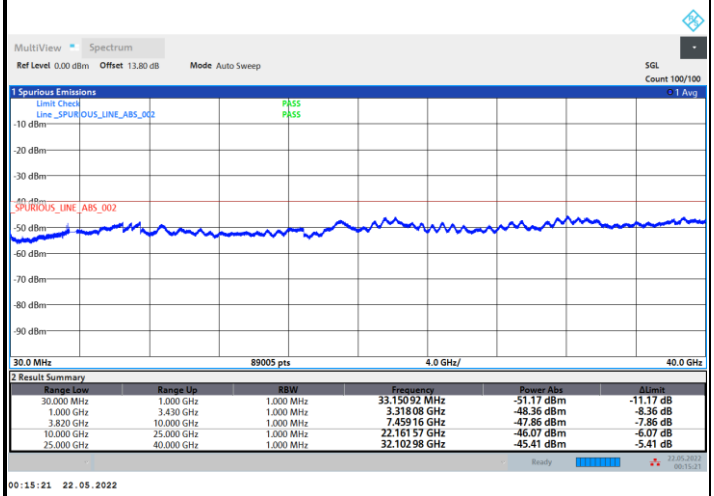
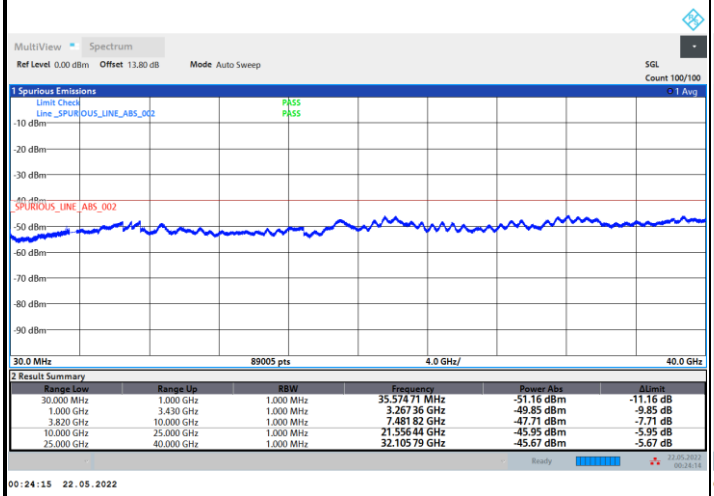
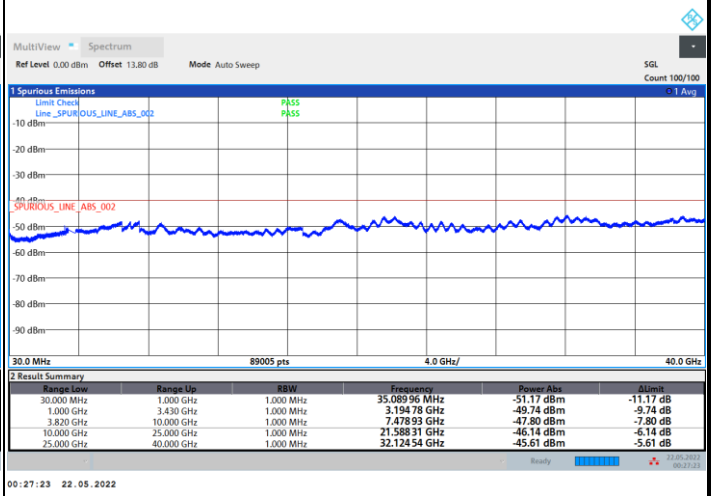
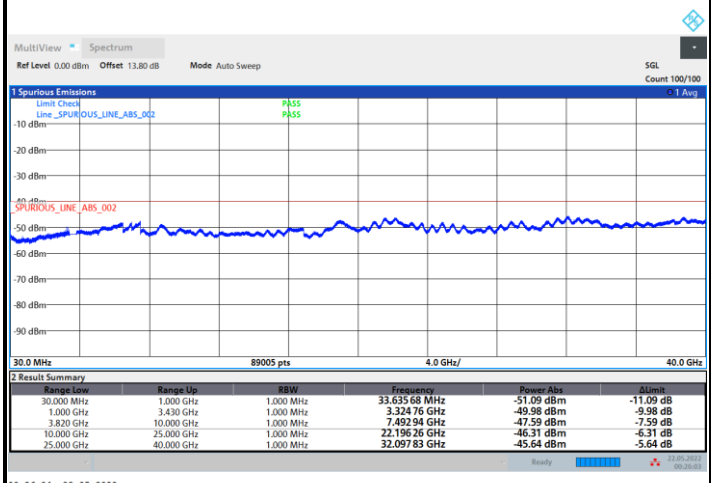
FR1 n48 / 15MHz / CP OFDM / QPSK / 1RB1	
Lowest Channel	**Middle Channel**
	
Highest Channel	
	

FR1 n48 / 20MHz / CP OFDM / QPSK / 1RB1	
Lowest Channel	**Middle Channel**
	
Highest Channel	
	

FR1 n48 / 40MHz / CP OFDM / QPSK / 1RB1	
Lowest Channel	**Middle Channel**
	
Highest Channel	
	

Frequency Stability

Test Conditions		FR1 n48 (PI/2 BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0024	PASS
40	Normal Voltage	0.0035	
30	Normal Voltage	0.0065	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0066	
0	Normal Voltage	0.0064	
-10	Normal Voltage	0.0052	
-20	Normal Voltage	0.0048	
-30	Normal Voltage	0.0007	
20	Maximum Voltage	0.0028	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0026	

Note:

1. Normal Voltage = 3.85 V.；Battery End Point (BEP) = 3.4 V.；Maximum Voltage = 4.3 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

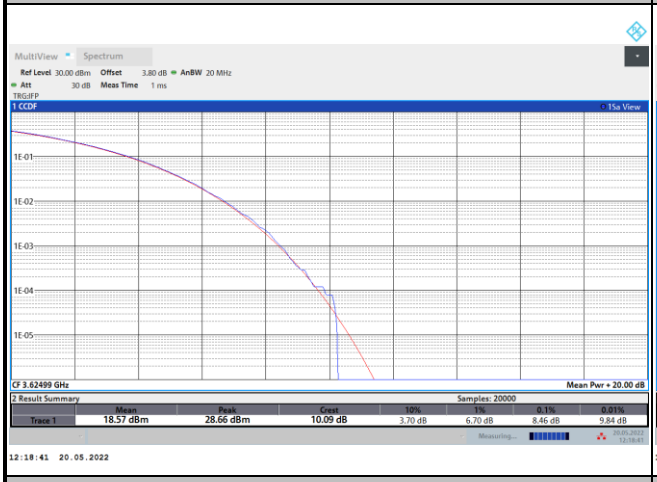
MIMO <Ant. 1>

Peak-to-Average Ratio

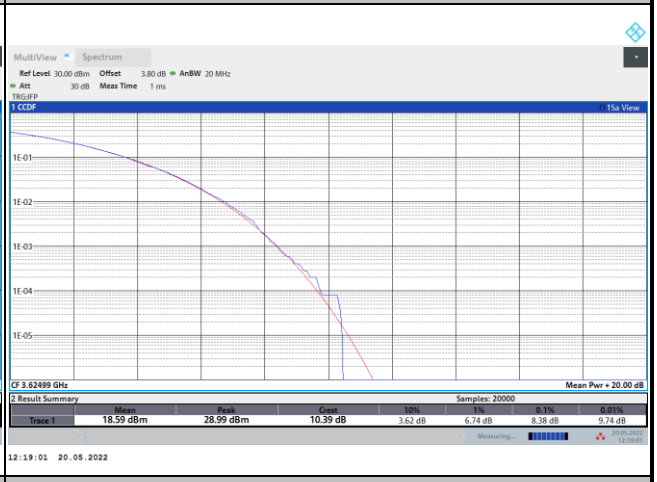
Mode	FR1 n48 / 20MHz / CP OFDM				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	8.46	8.38	8.18	8.76	PASS

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

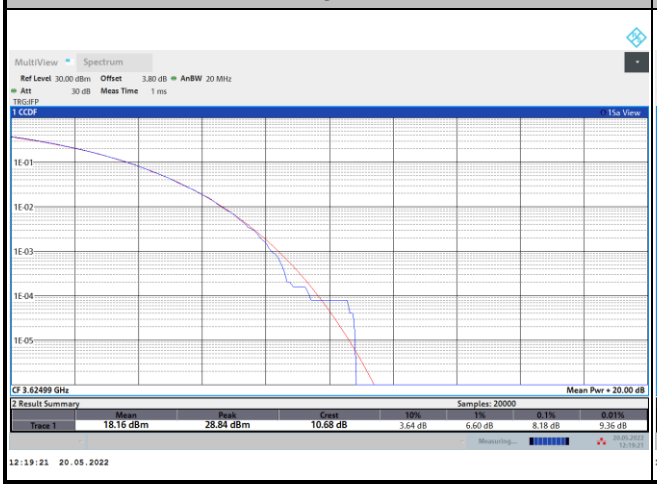
QPSK



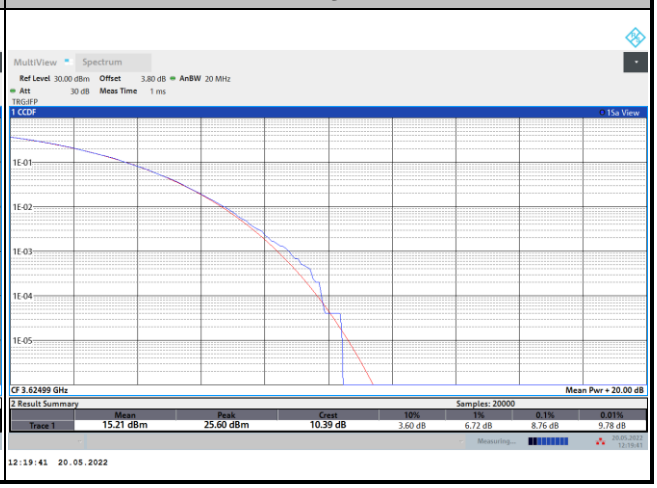
16QAM



64QAM

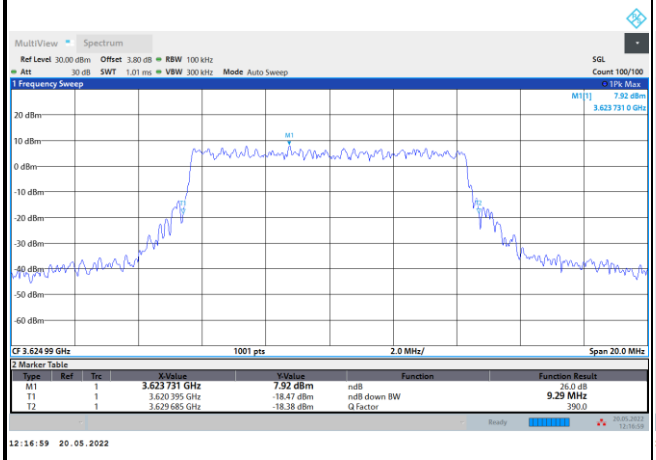
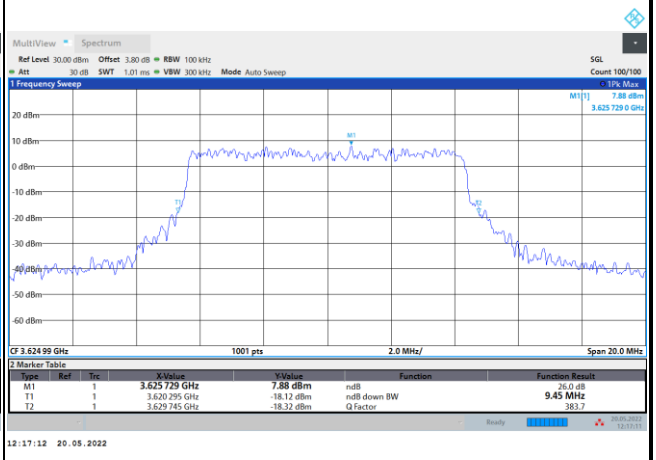
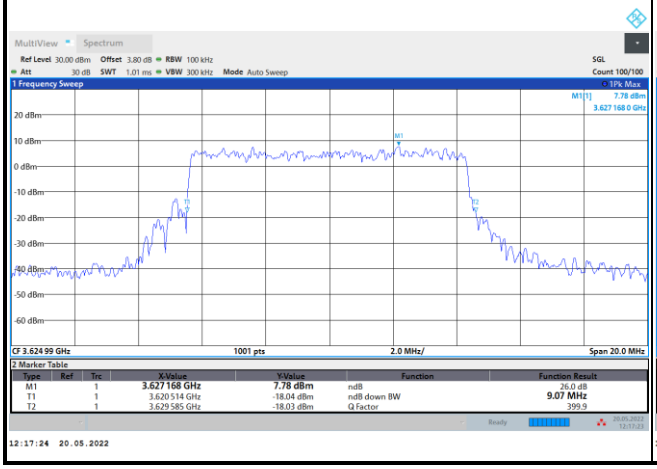
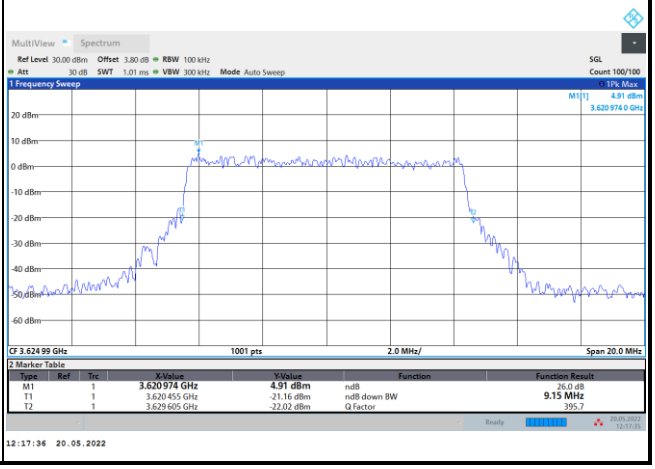


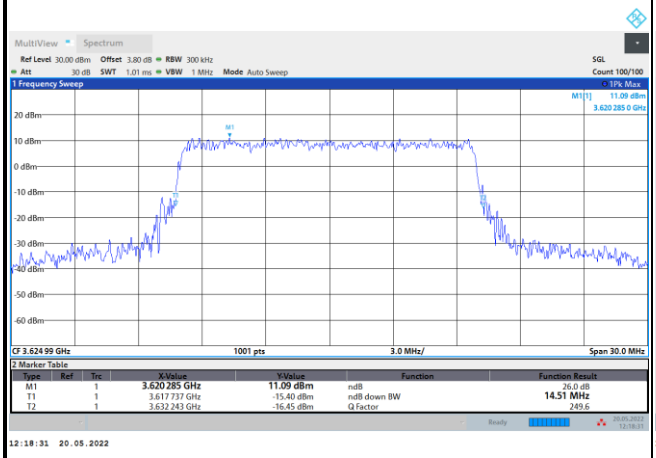
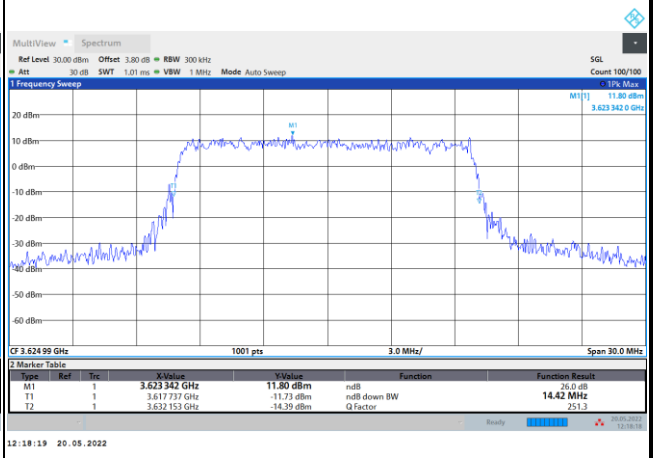
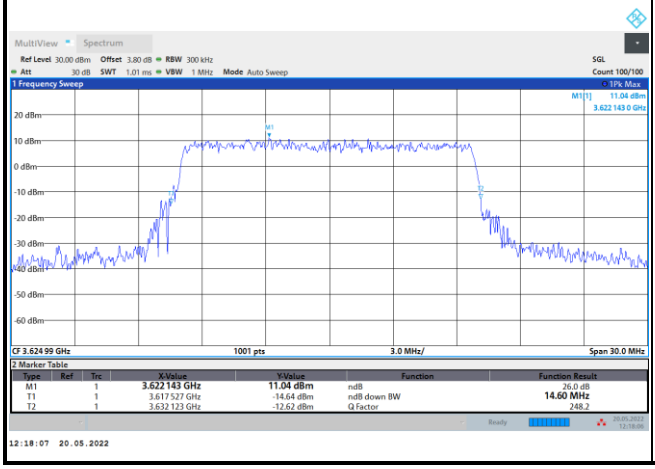
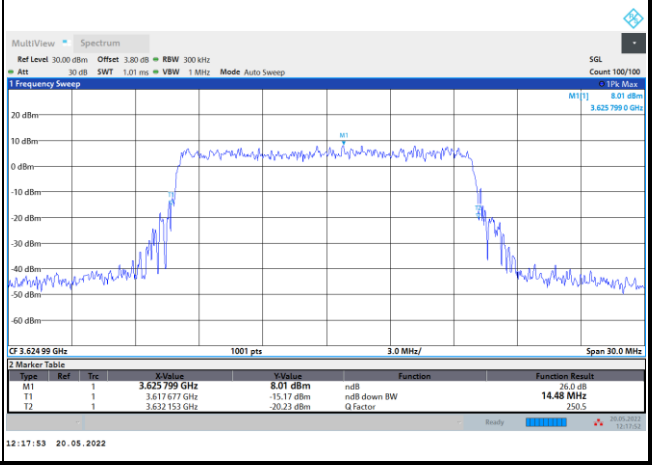
256QAM

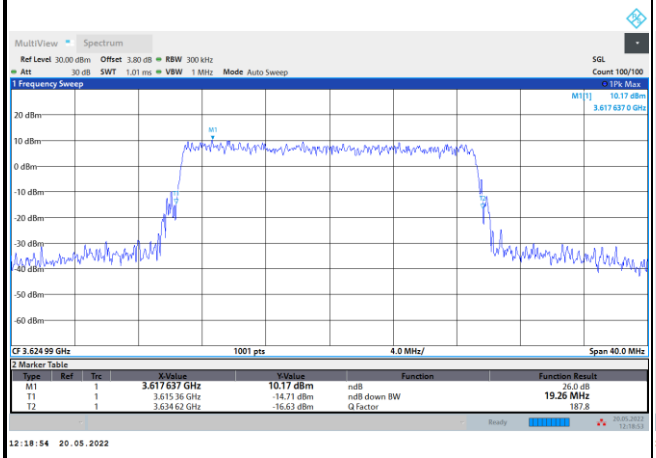
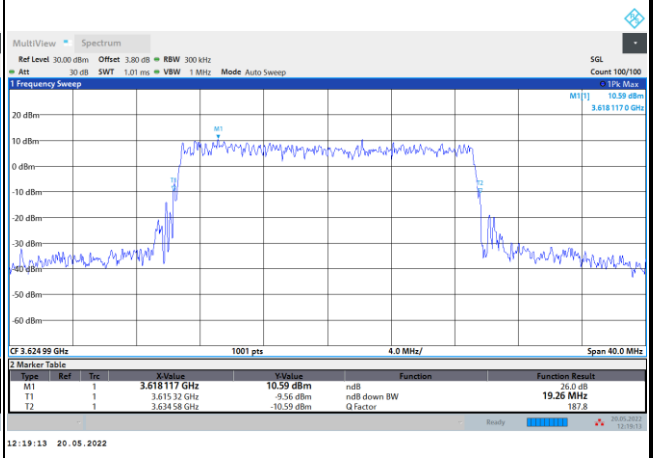
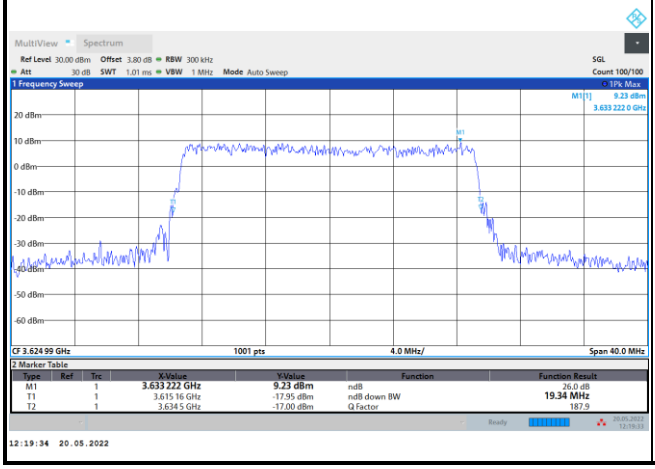
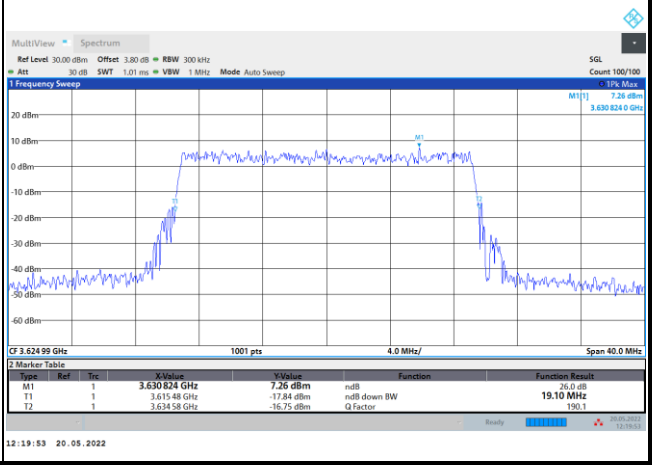


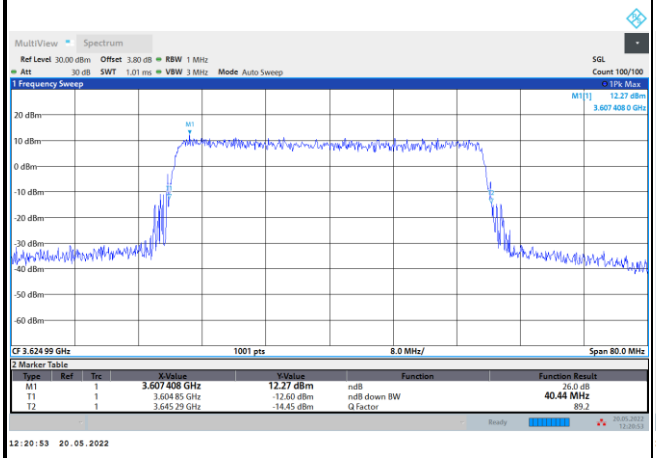
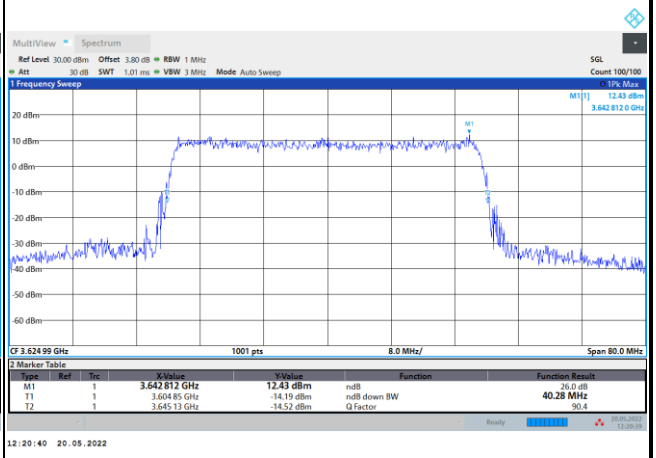
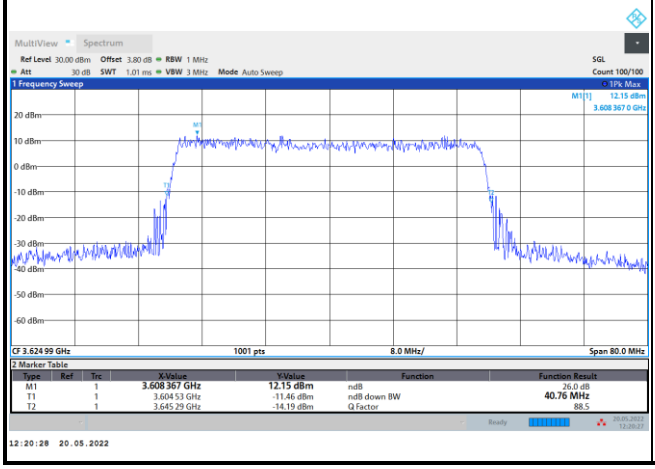
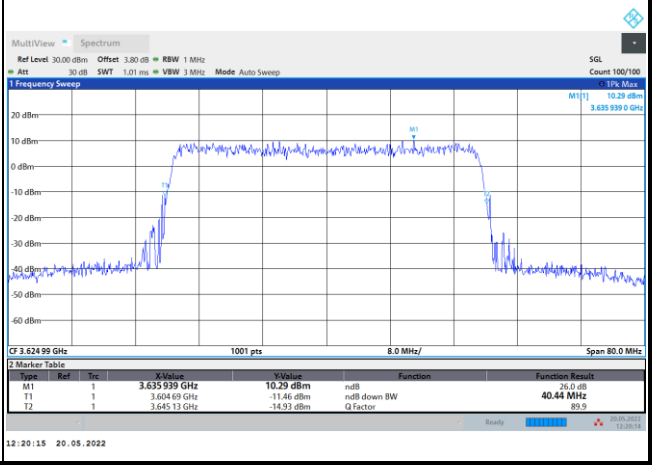
26dB Bandwidth

Mode	FR1 n48 : 26dB BW(MHz) / CP OFDM							
BW	10MHz		15MHz		20MHz		25MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	9.29	9.45	14.51	14.42	19.26	19.26	-	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	9.07	9.15	14.60	14.48	19.34	19.10	-	-
BW	30MHz		40MHz		50MHz		60MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-		40.44	40.28	-	-	-	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	40.76	40.44	-	-	-	-
BW	70MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	-	-	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	-	-	-	-

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

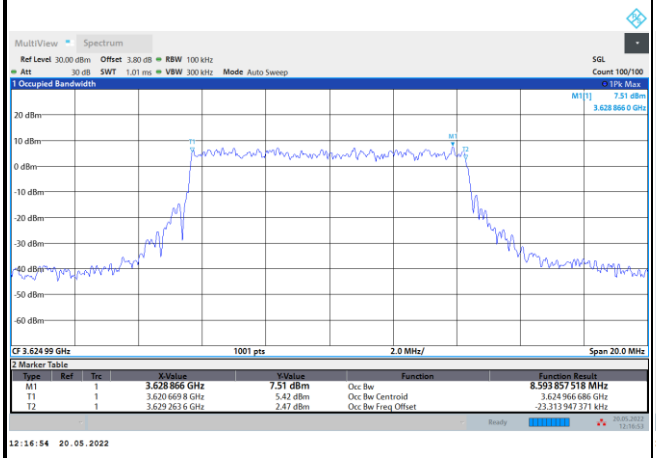
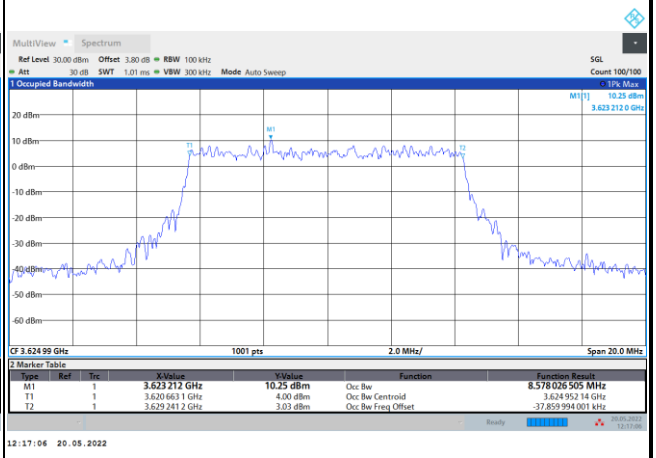
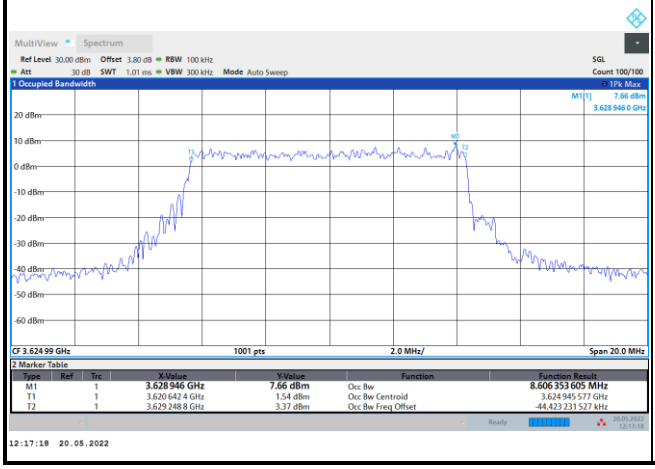
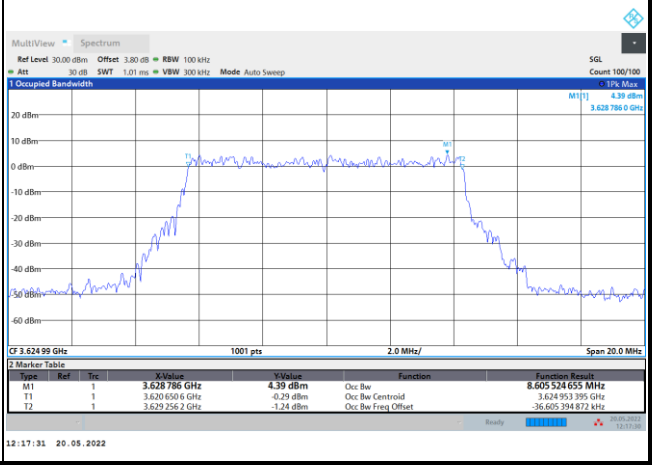
FR1 n48 / 15MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

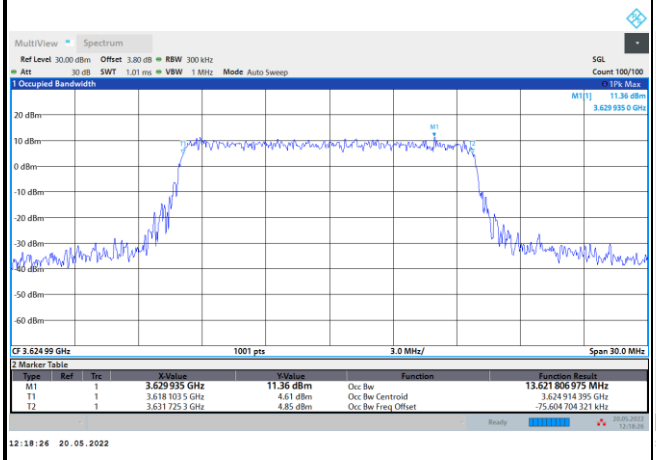
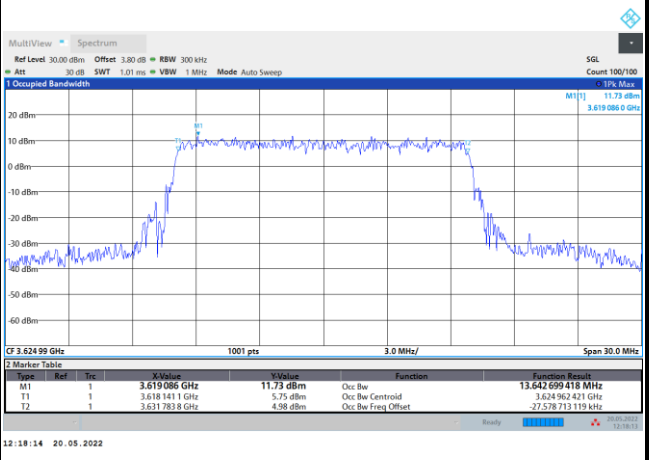
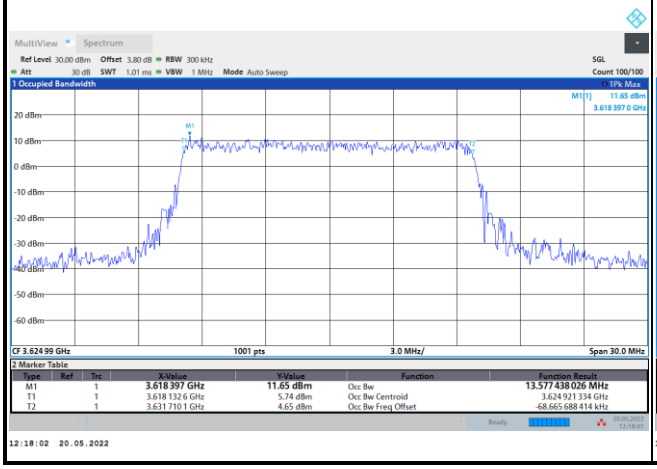
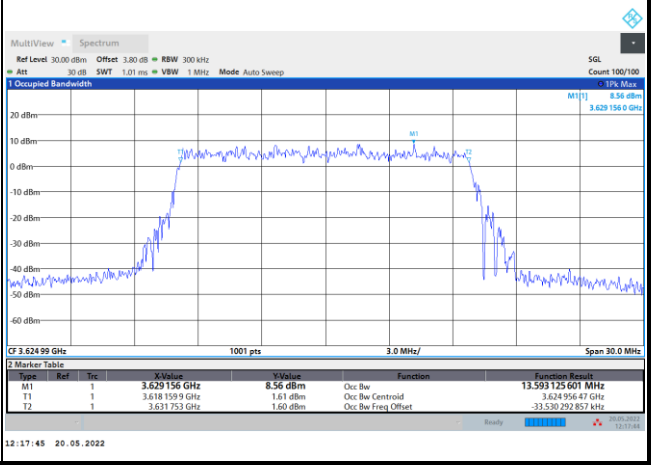
FR1 n48 / 20MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

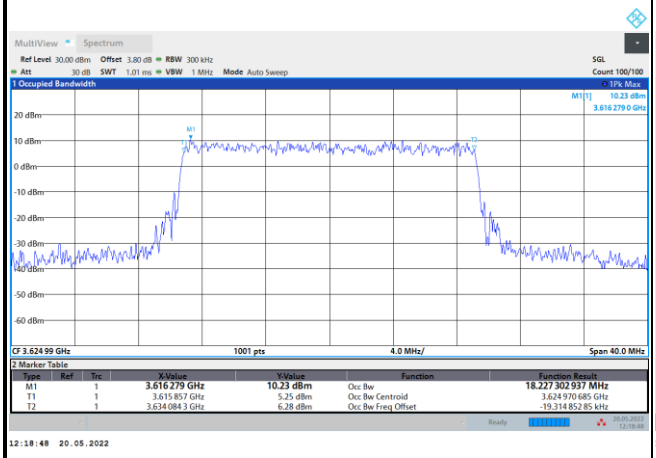
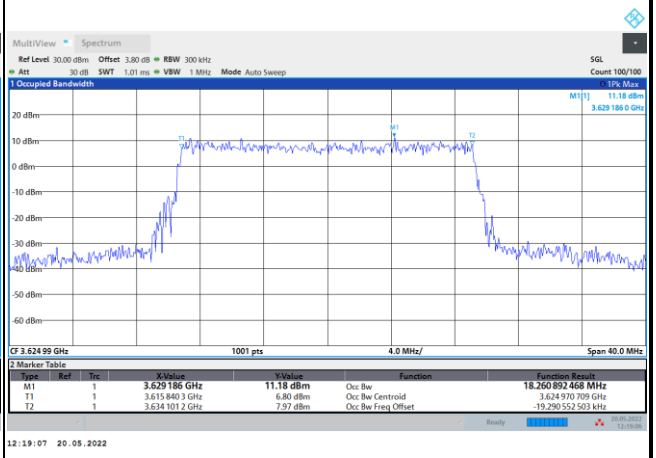
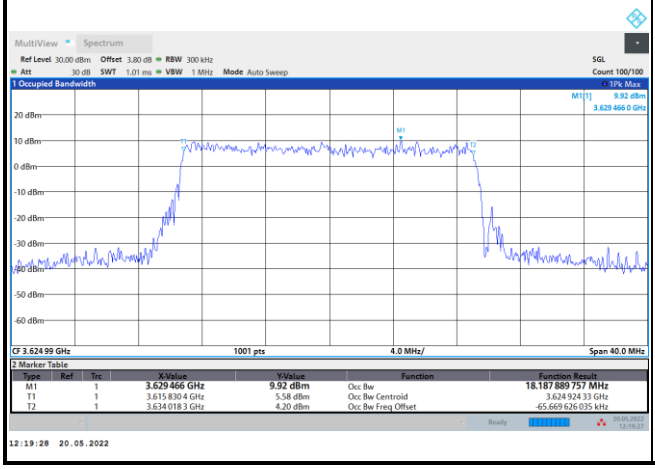
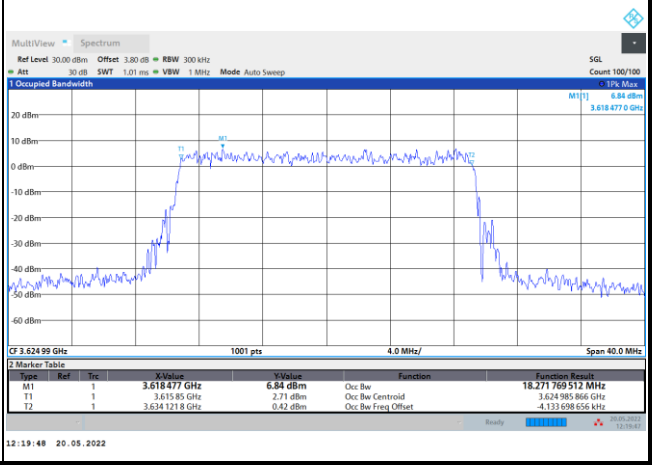
FR1 n48 / 40MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

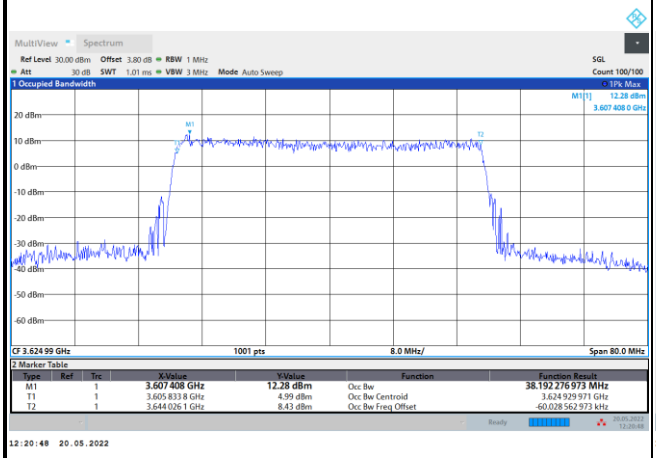
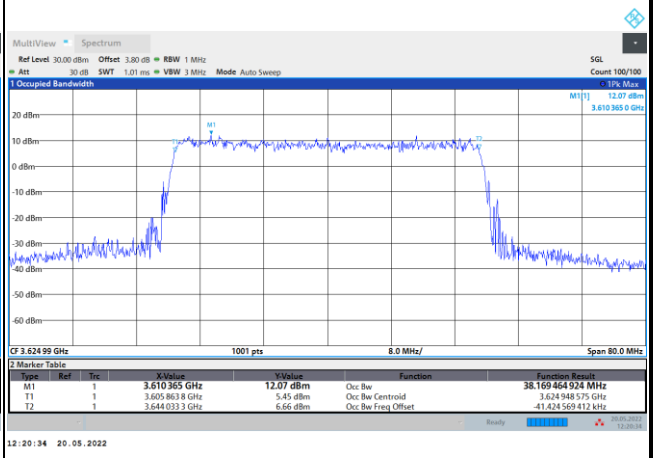
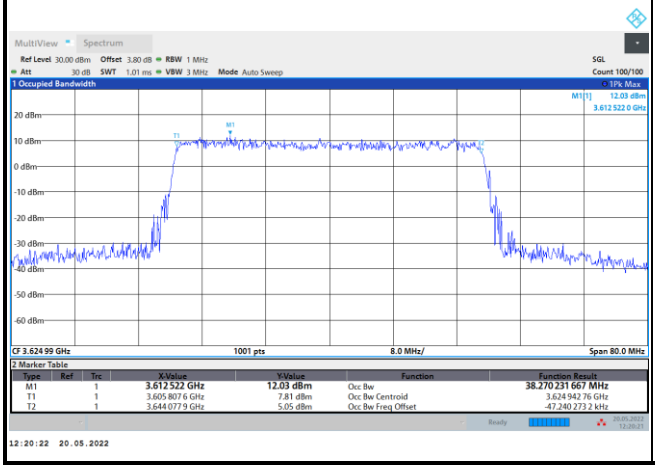
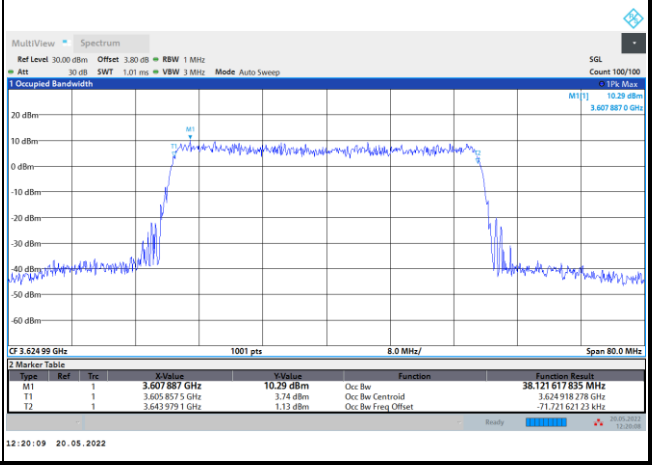
Occupied Bandwidth

Mode	FR1 n48 : OB BW(MHz) / CP OFDM							
BW	10MHz		15MHz		20MHz		25MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	8.59	8.57	13.62	13.64	18.22	18.26	-	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	8.60	8.60	13.57	13.59	18.18	18.27	-	-
BW	30MHz		40MHz		50MHz		60MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-		38.19	38.16	-	-	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	38.27	38.12	-	-	-	-
BW	70MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	-	-	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	-	-	-	-

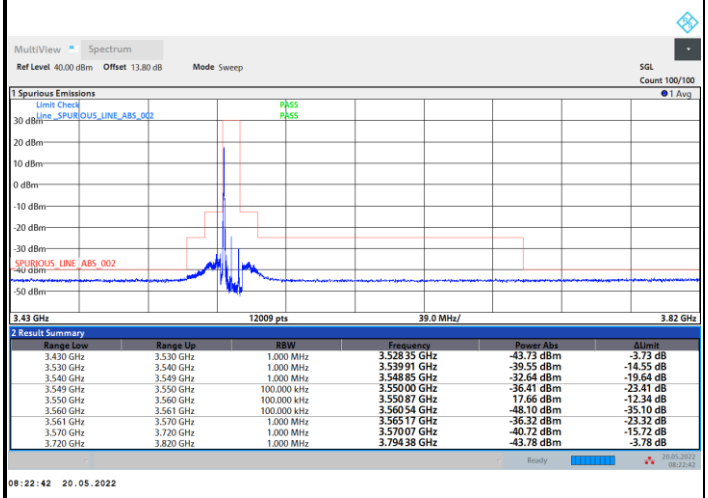
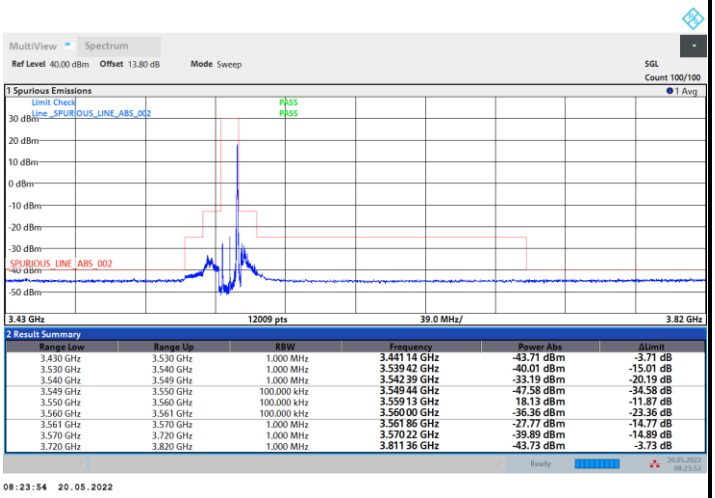
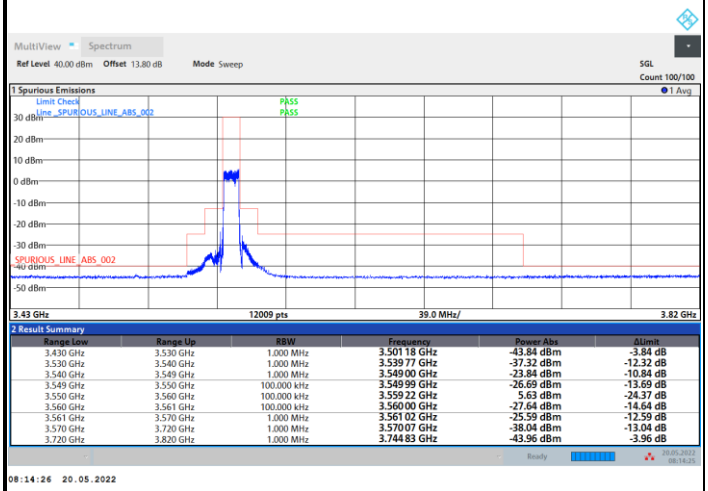
FR1 n48 / 10MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

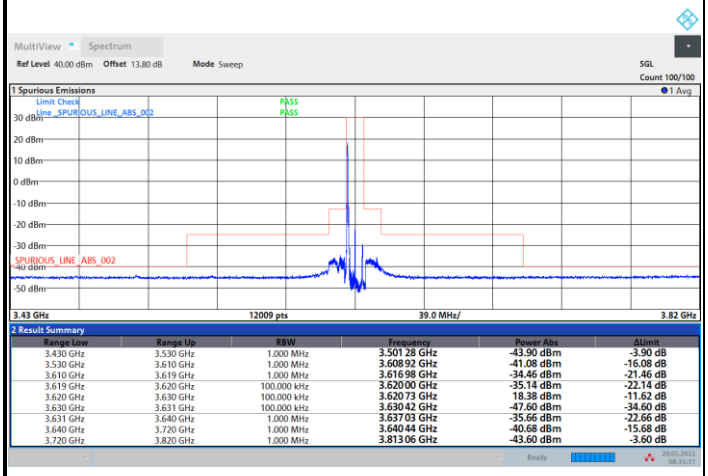
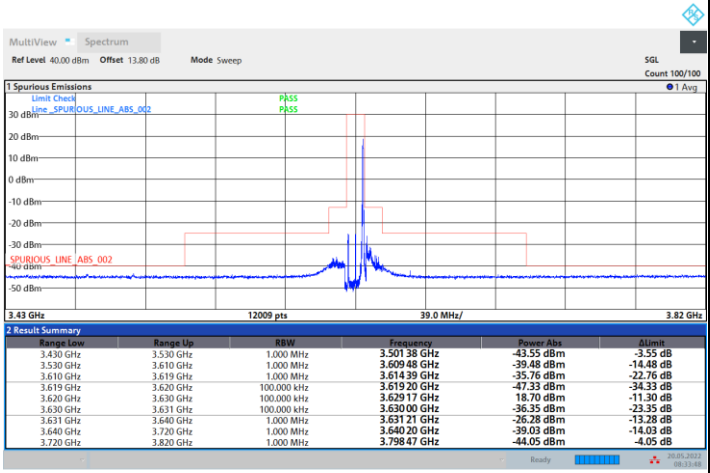
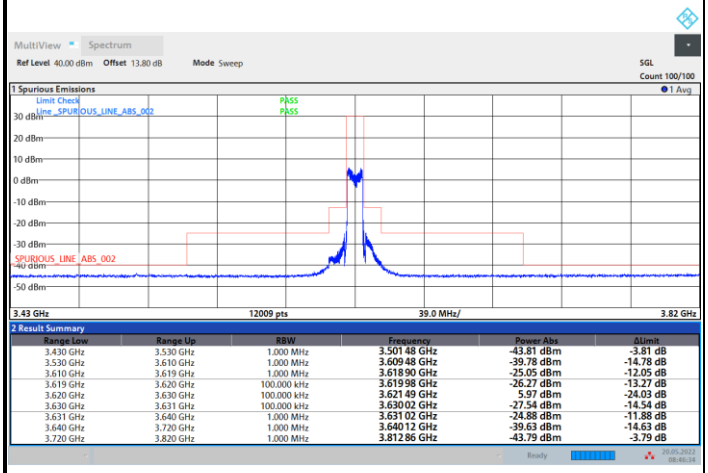
FR1 n48 / 15MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

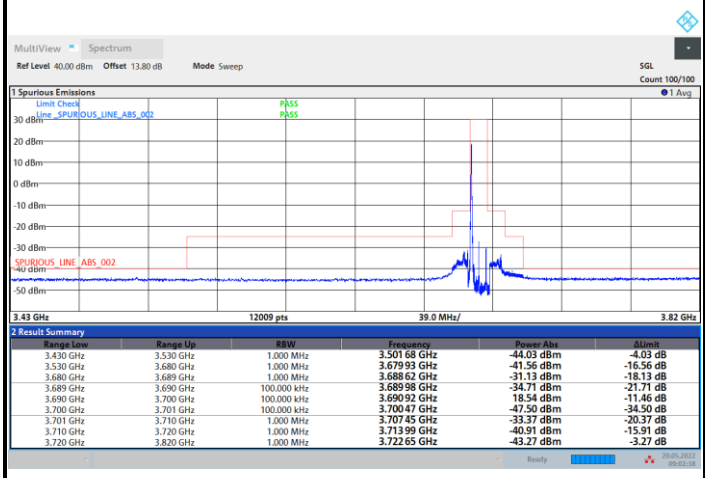
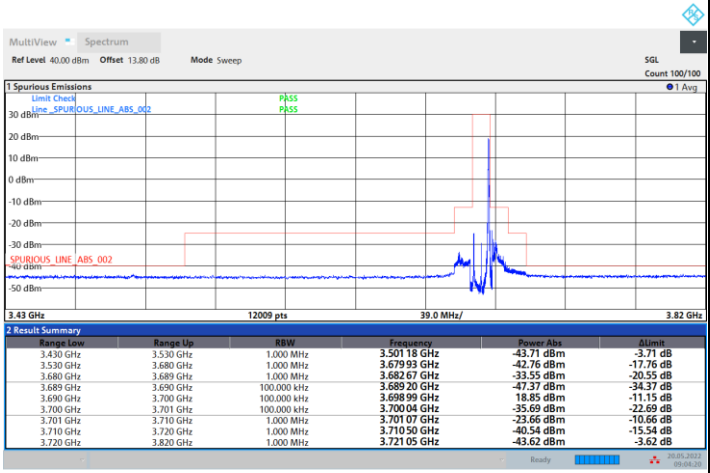
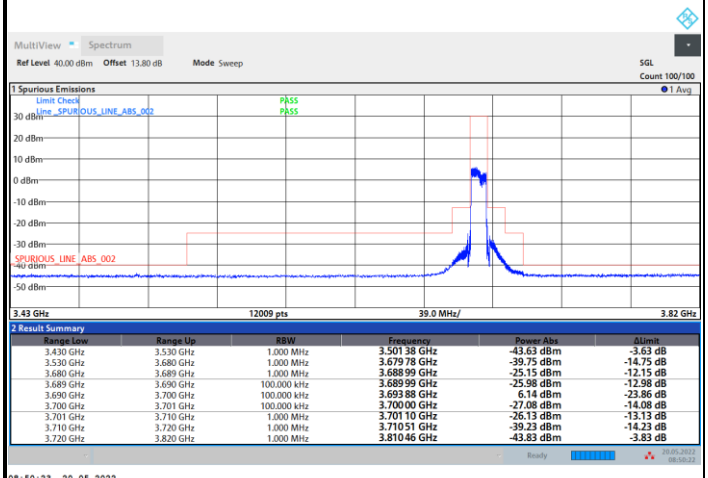
FR1 n48 / 20MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

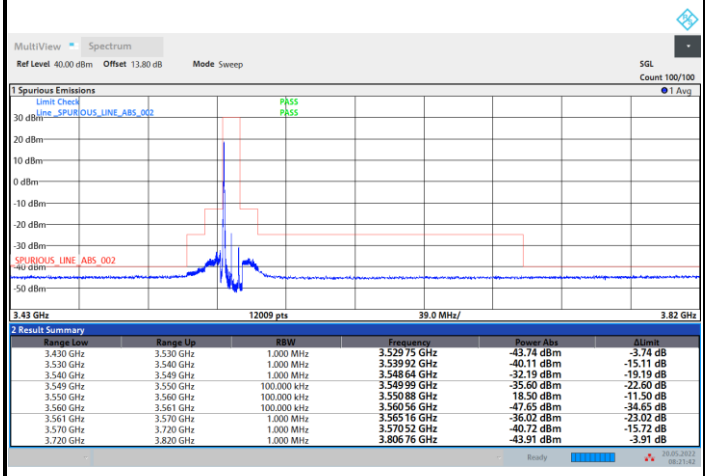
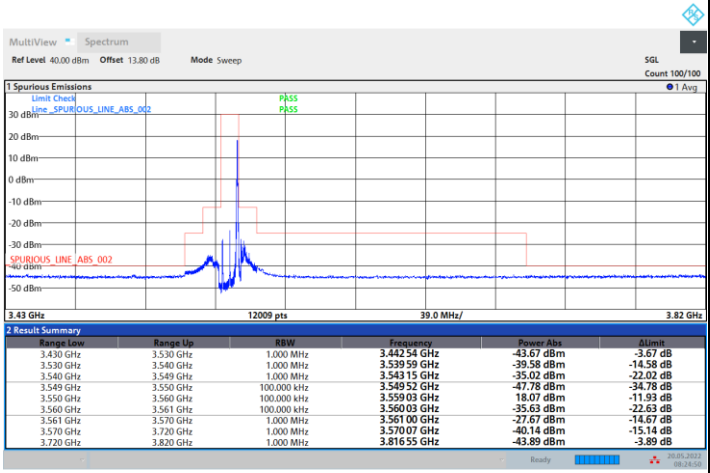
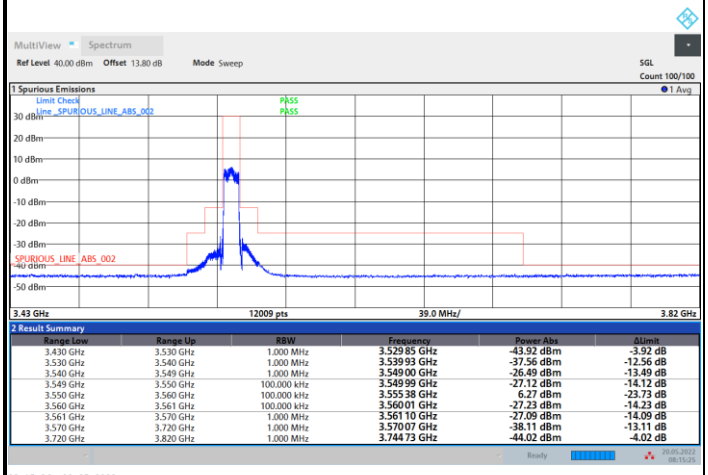
FR1 n48 / 40MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

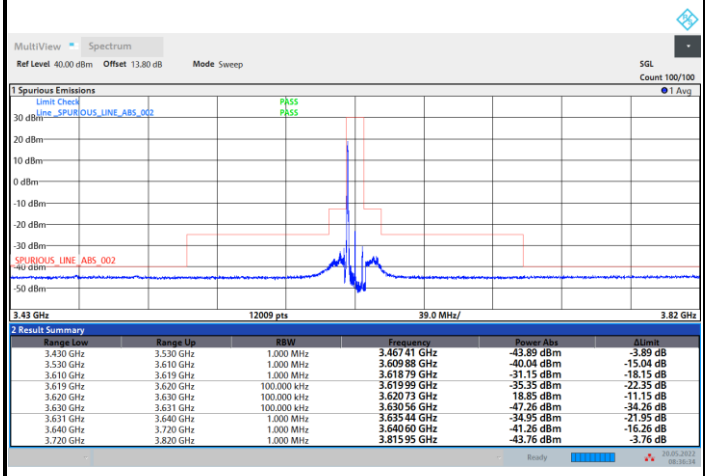
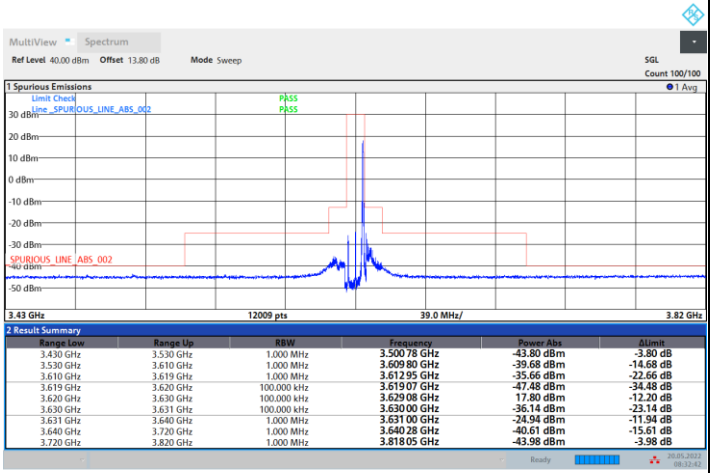
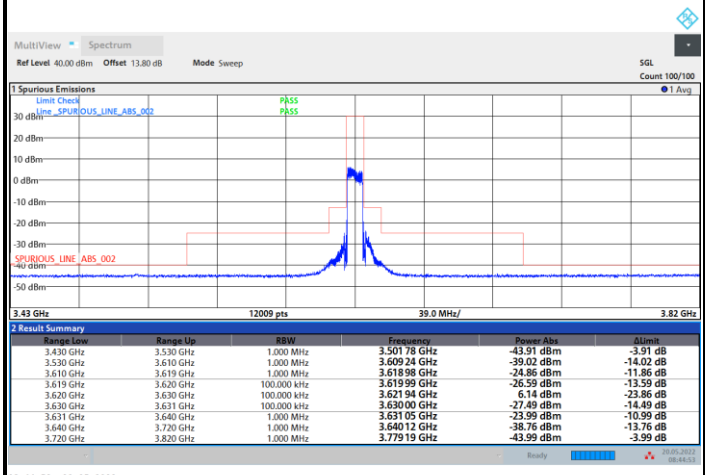
Unwanted Emission (MASK)

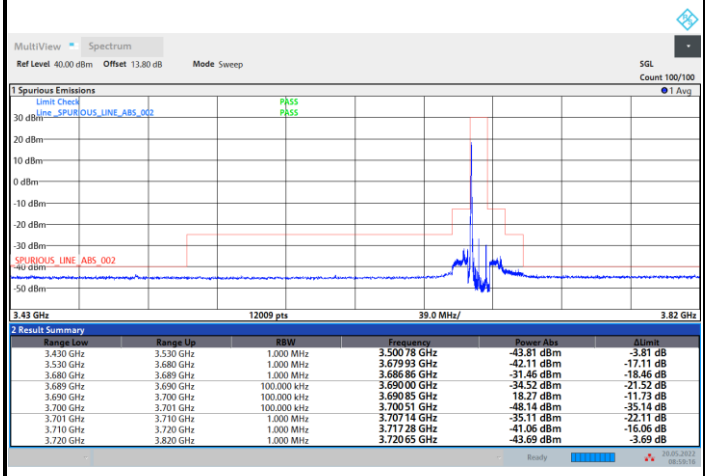
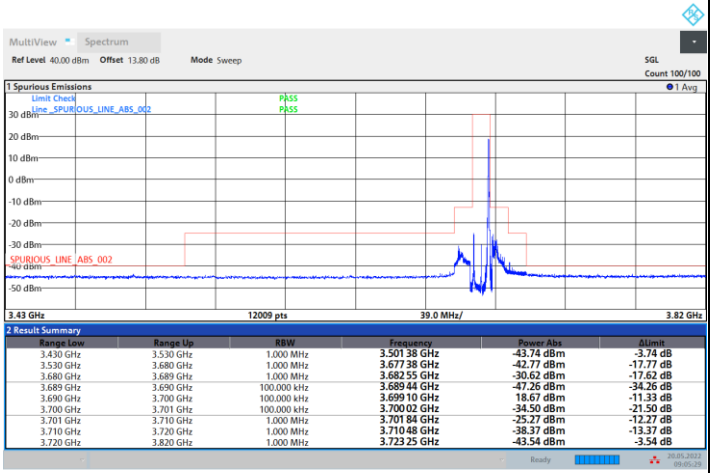
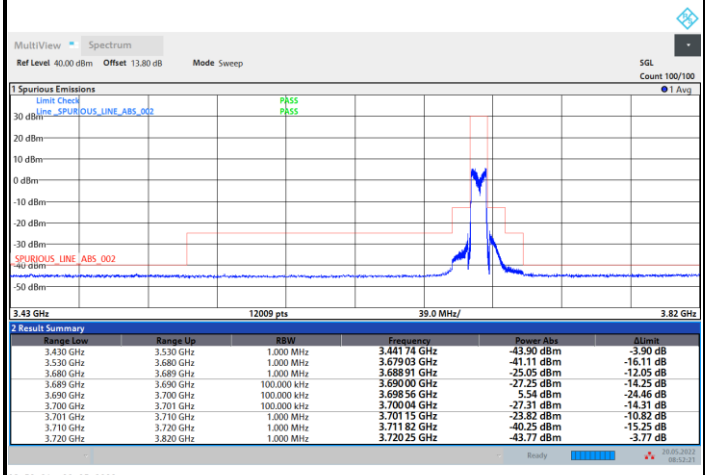
FR1 n48 / 10MHz / CP OFDM / QPSK	
Lowest Channel	
1RB0	1RBmax
	
Full RB	
	

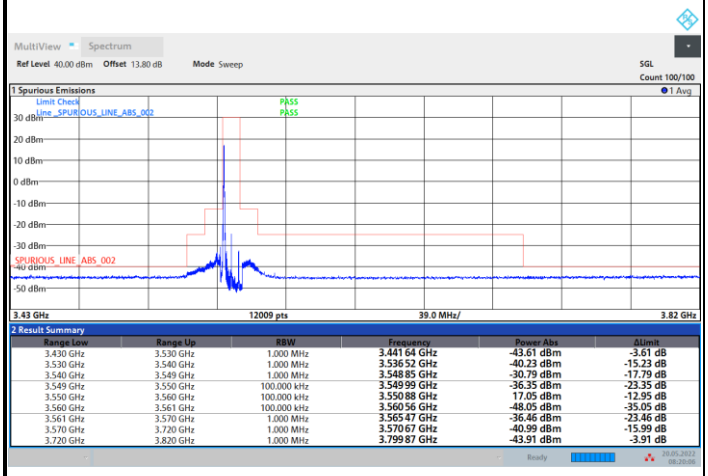
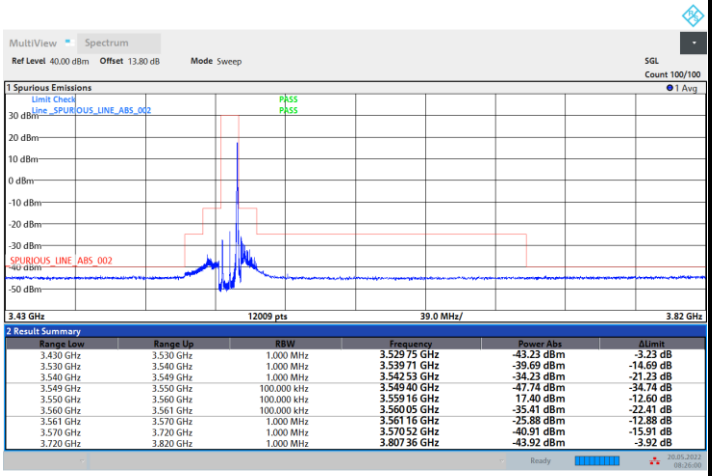
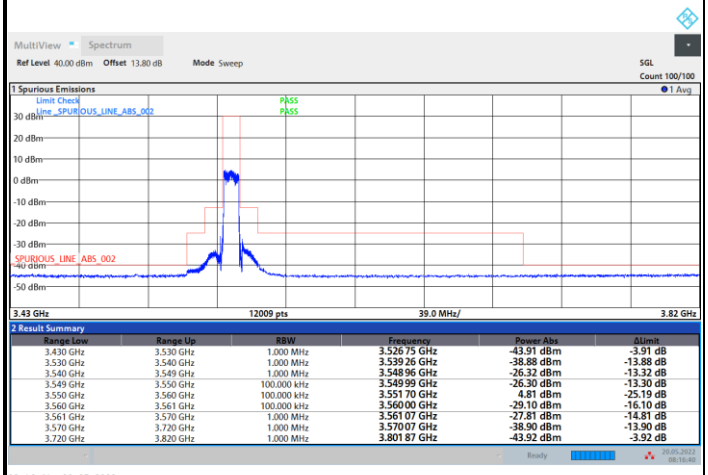
FR1 n48 / 10MHz / CP OFDM / QPSK	
Middle Channel	
1RB0	**1RBmax**
	
Full RB	
	

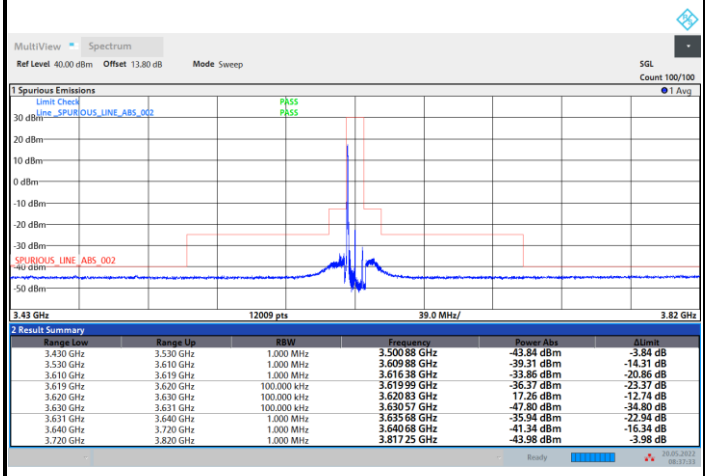
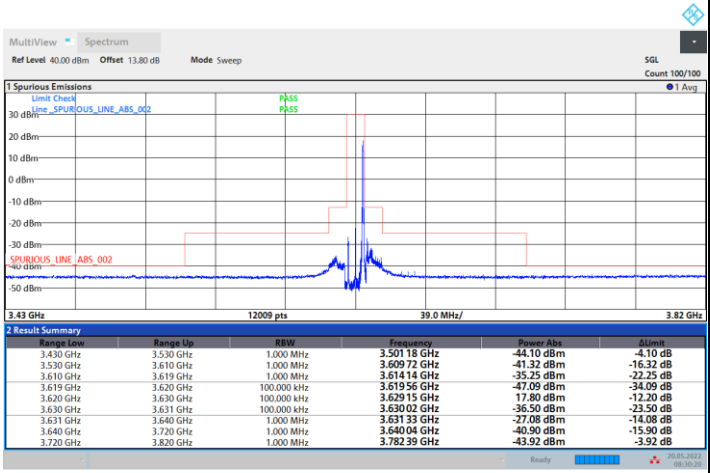
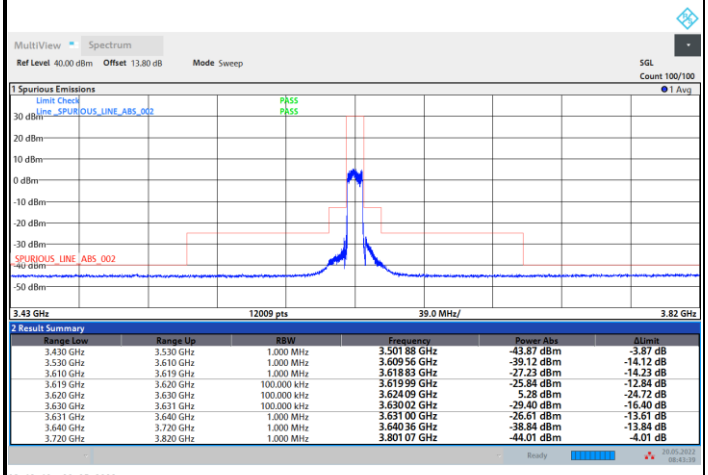
FR1 n48 / 10MHz / CP OFDM / QPSK	
Highest Channel	
1RB0	**1RBmax**
	
Full RB	
	

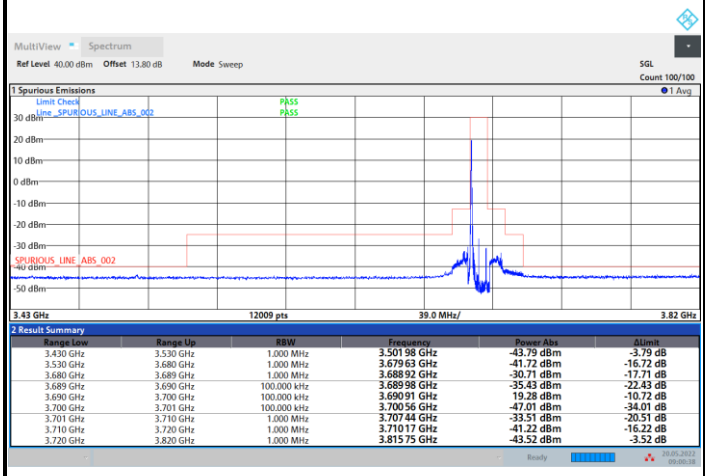
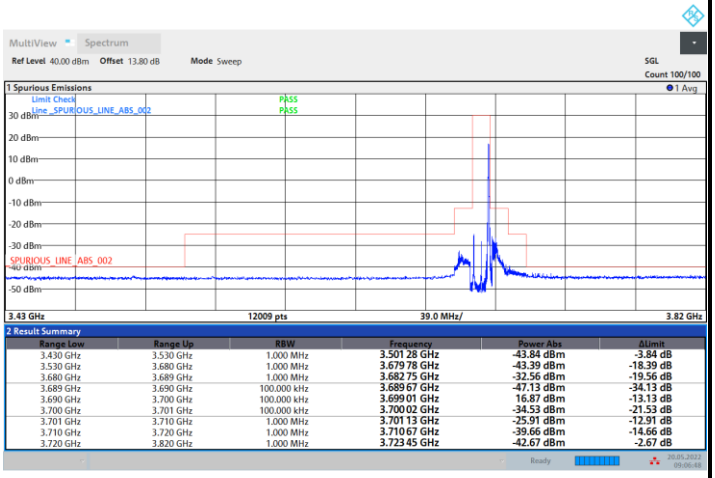
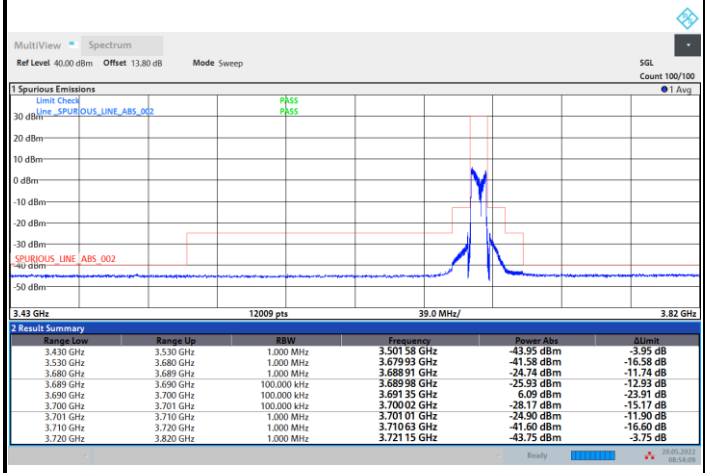
FR1 n48 / 10MHz / CP OFDM / 16QAM	
Lowest Channel	
1RB0	**1RBmax**
	
Full RB	
	

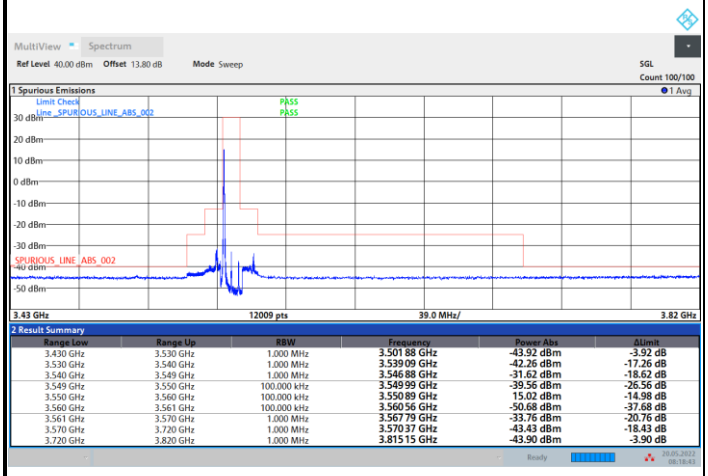
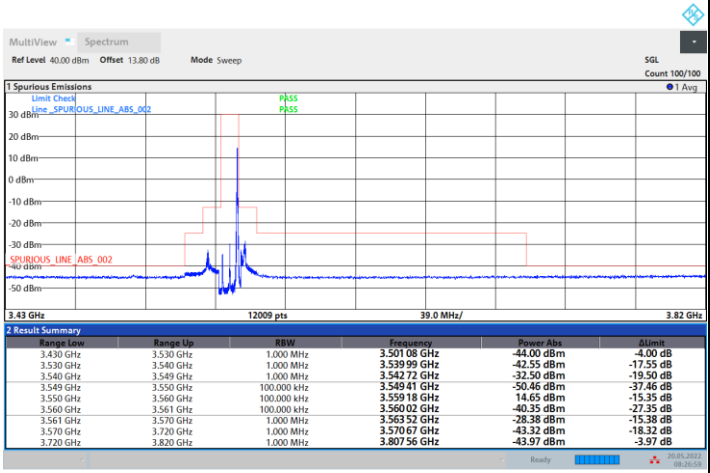
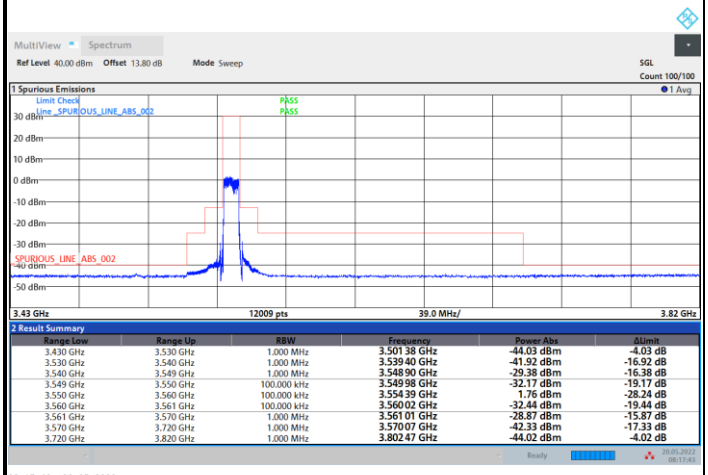
FR1 n48 / 10MHz / CP OFDM / 16QAM	
Middle Channel	
1RB0	**1RBmax**
	
Full RB	
	

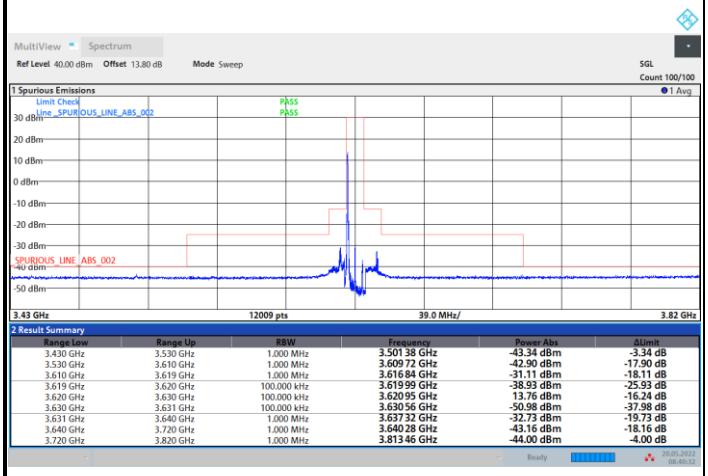
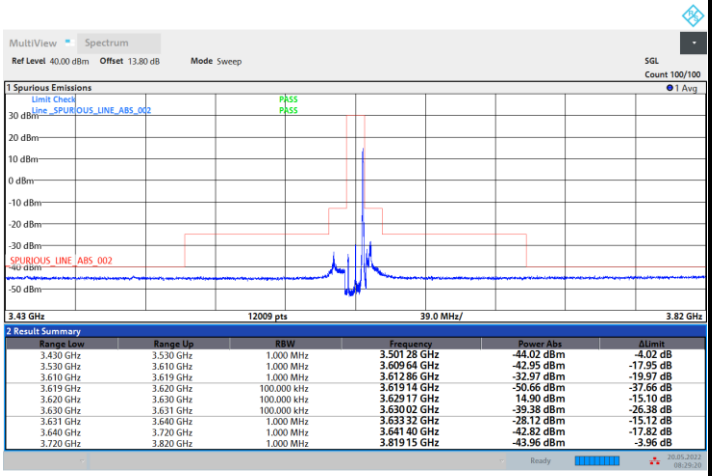
FR1 n48 / 10MHz / CP OFDM / 16QAM	
Highest Channel	
1RB0	1RBmax
	
Full RB	
	

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