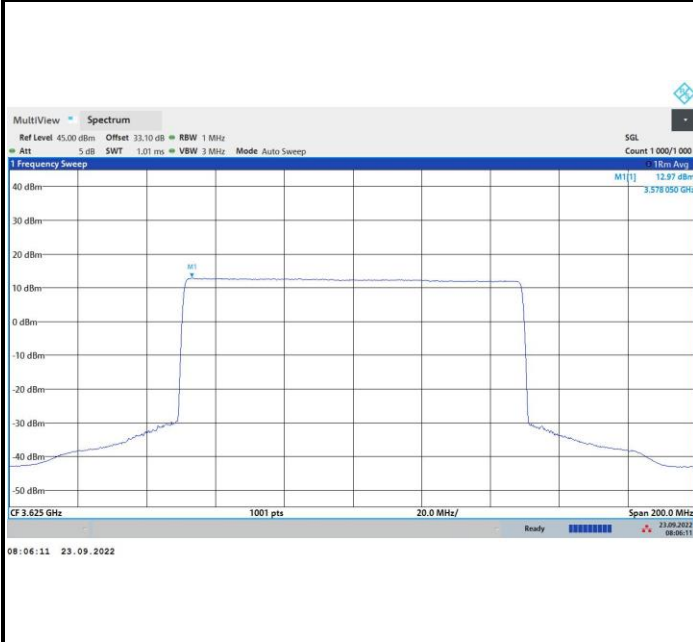


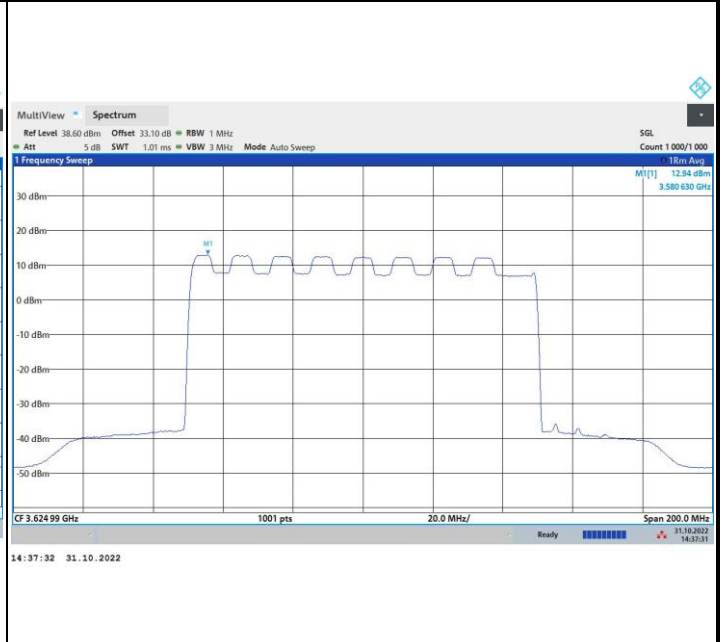


FR1 n48 / 100MHz / Middle Channel / PSD

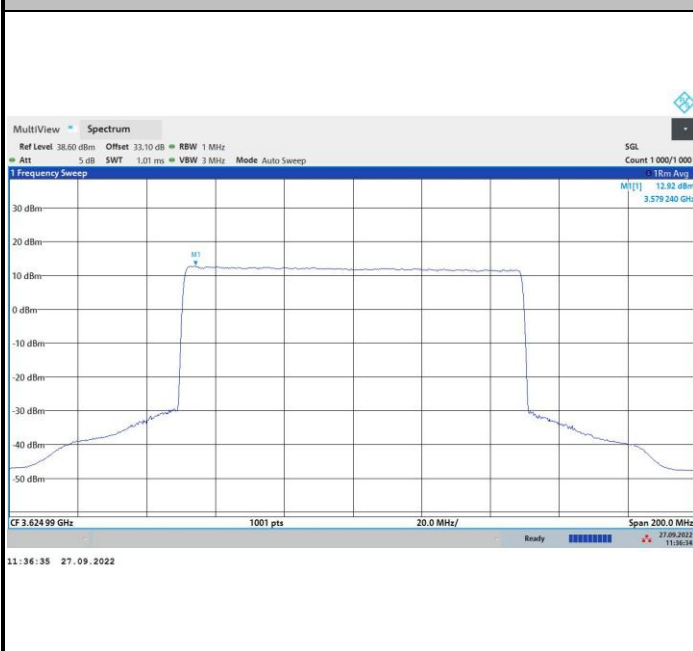
QPSK



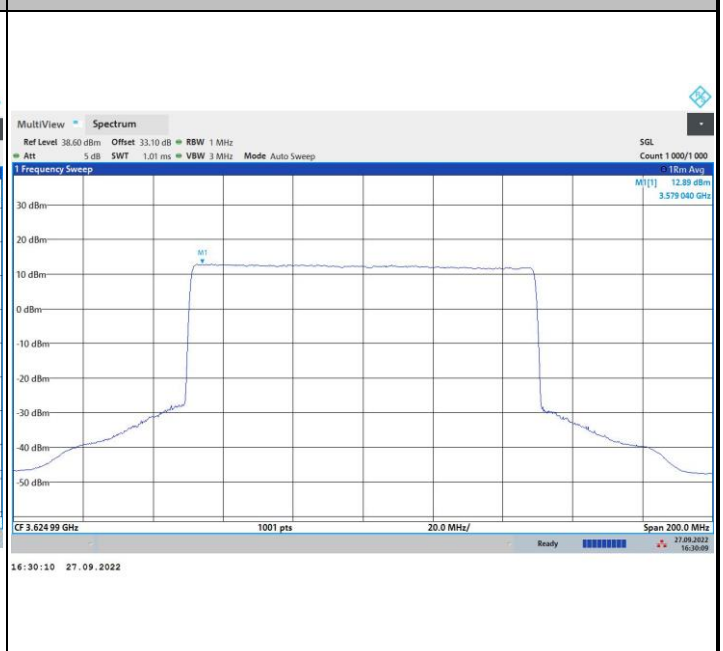
16QAM



64QAM



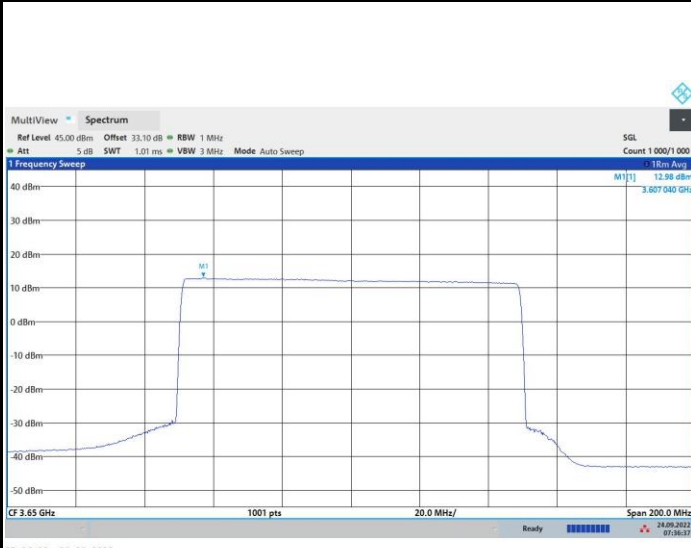
256QAM





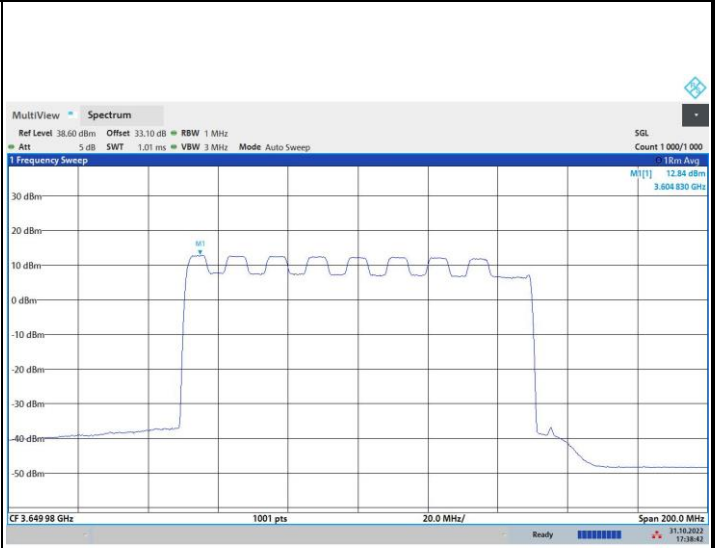
FR1 n48 / 100MHz / Highest Channel / PSD

QPSK



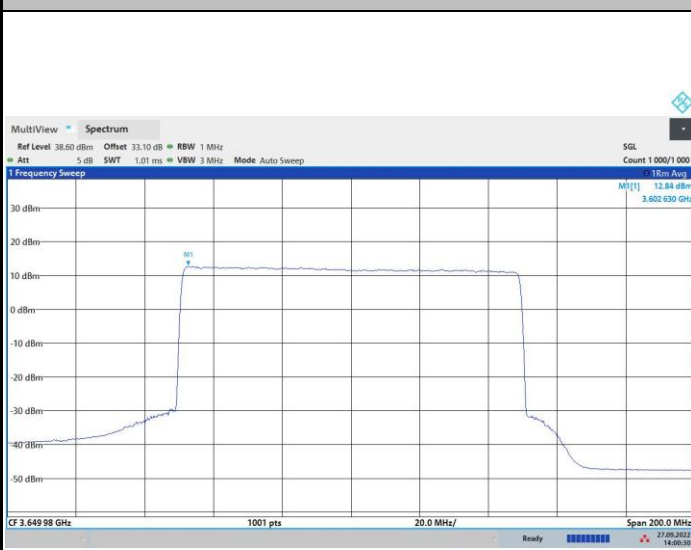
07:36:38 24.09.2022

16QAM



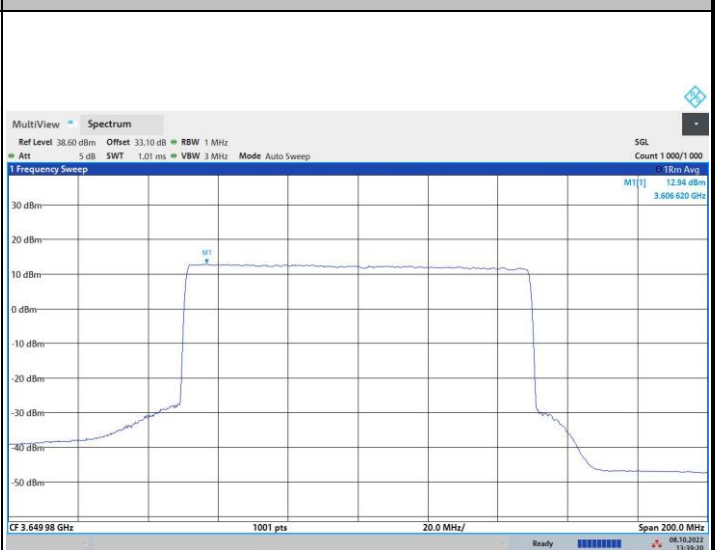
17:38:43 31.10.2022

64QAM



14:00:30 27.09.2022

256QAM

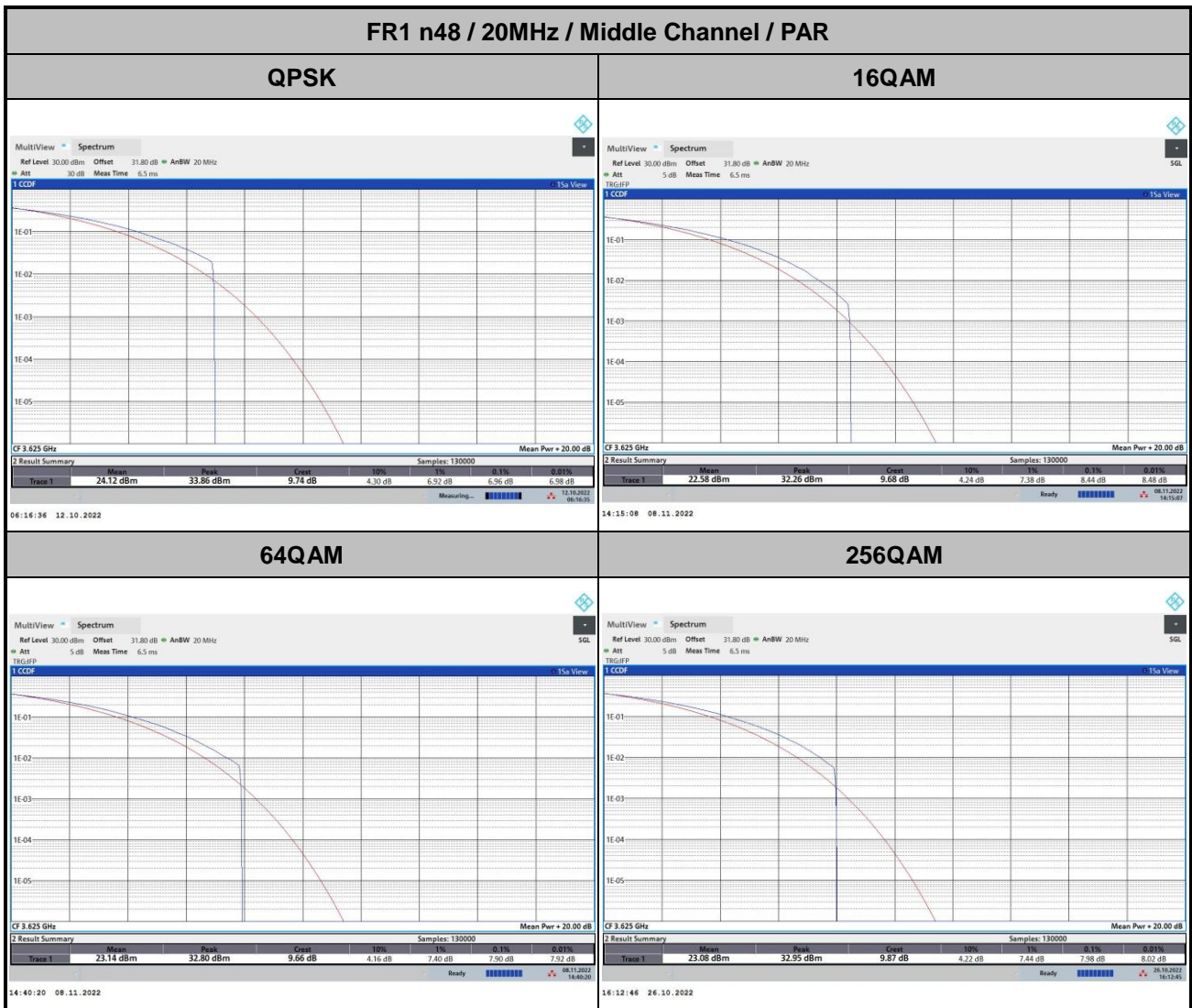


13:39:20 08.10.2022



# Peak-to-Average Ratio

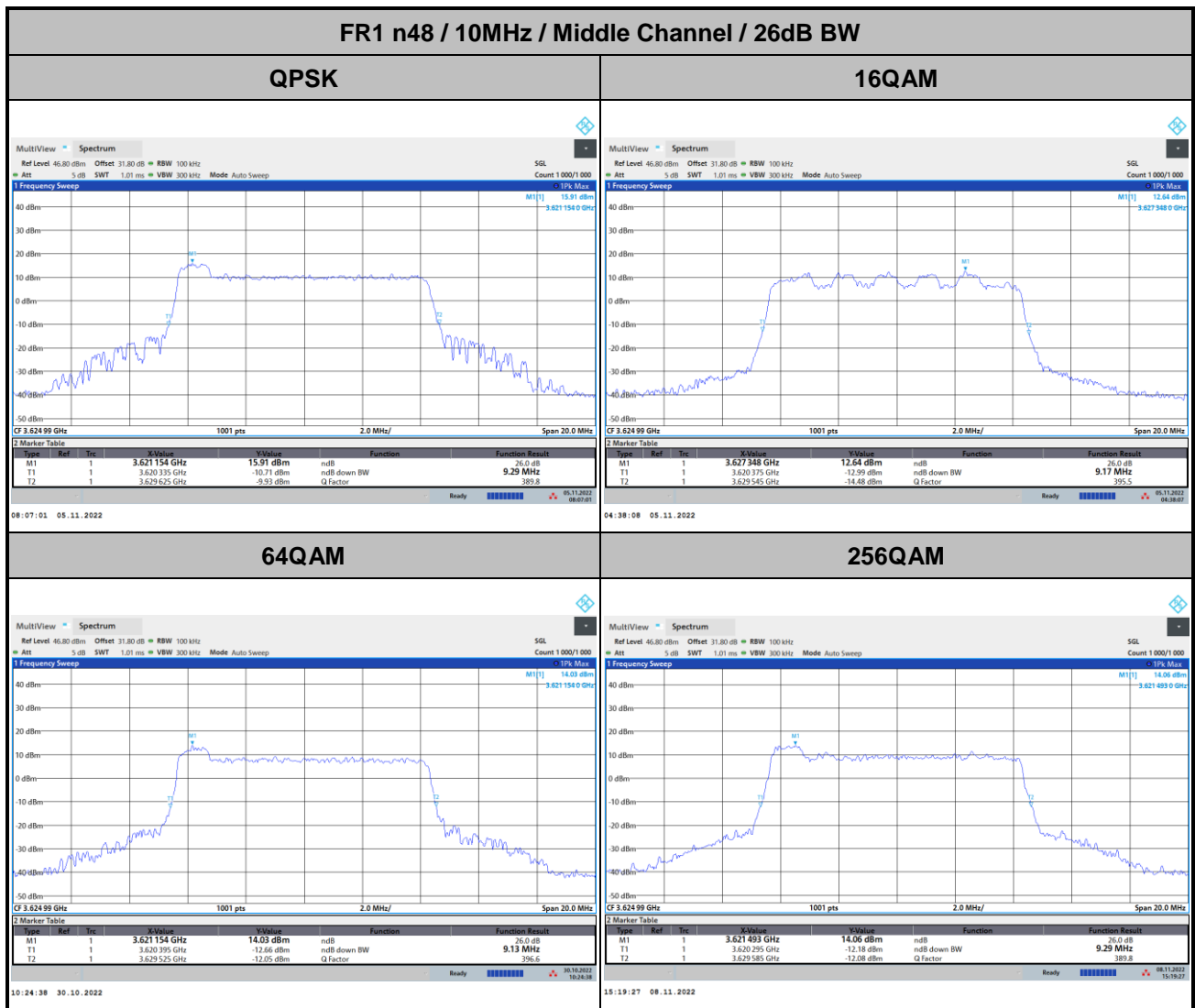
Mode	FR1 n48 / 20MHz / PAR (dB)				Limit: 13dB
Mod.	QPSK	16QAM	64QAM	256QAM	Result
Middle CH	6.96	8.44	7.90	7.98	PASS





**26dB Bandwidth**

Mode	FR1 n48 : 26dB BW(MHz)							
	10MHz		20MHz		40MHz		50MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	9.29	9.17	19.30	19.38	40.44	40.36	50.05	50.15
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	9.13	9.29	19.22	19.34	40.28	40.52	50.25	50.15
BW	60MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	60.54	60.54	80.40	80.40	90.45	90.45	100.50	100.50
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	60.54	60.66	80.24	80.40	90.45	90.63	100.50	100.70

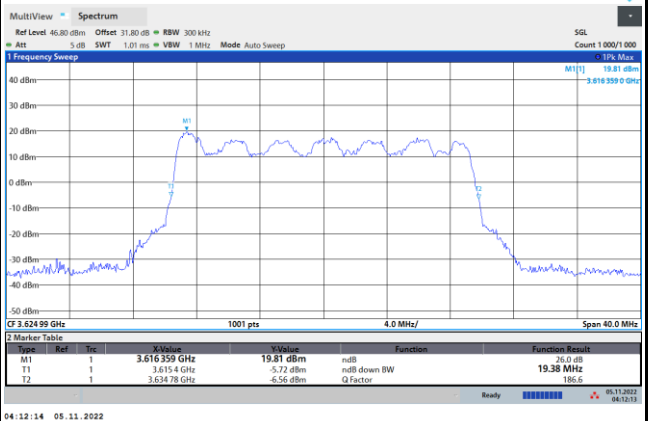
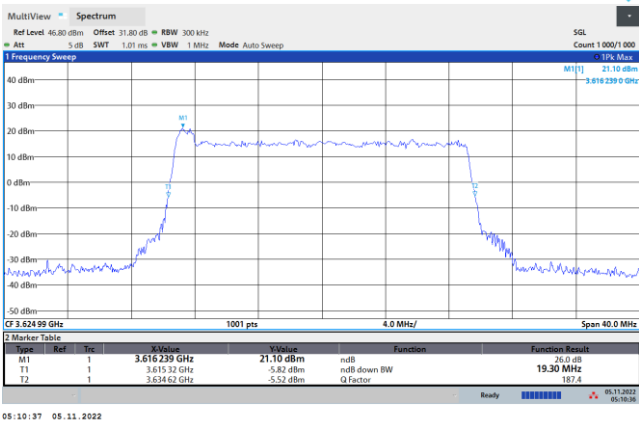




FR1 n48 / 20MHz / Middle Channel / 26dB BW

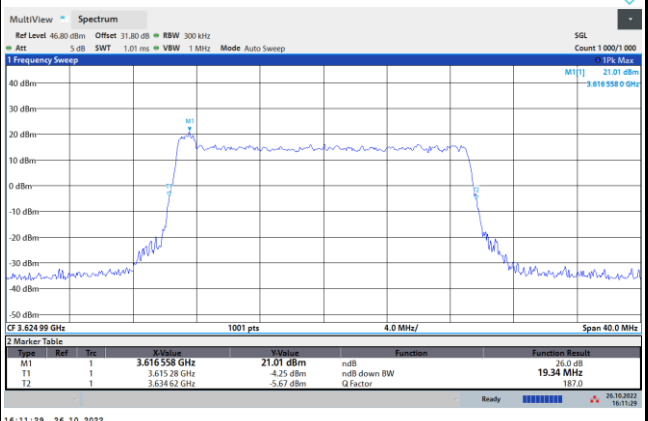
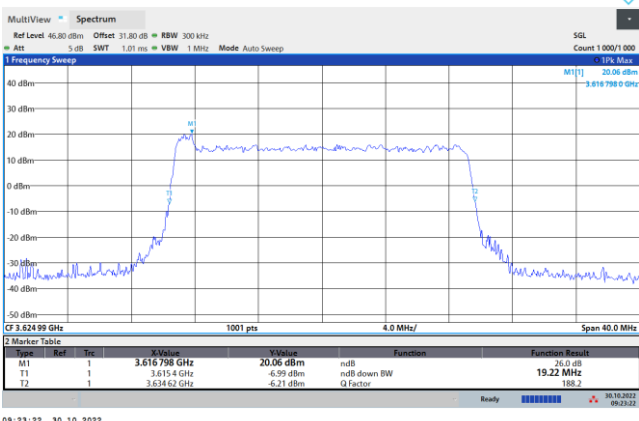
QPSK

16QAM



64QAM

256QAM

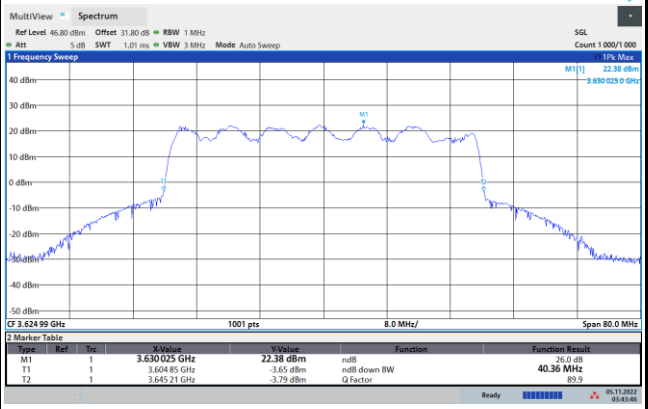
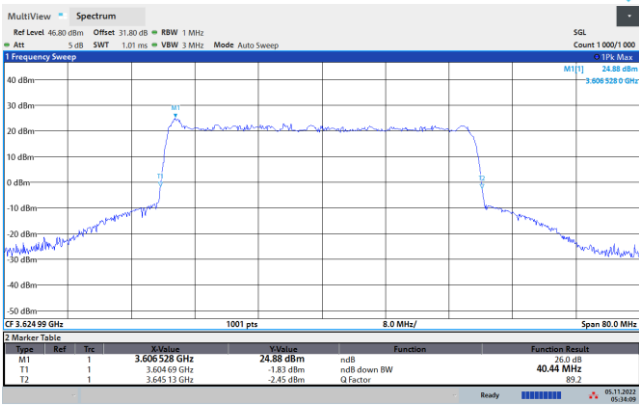




FR1 n48 / 40MHz / Middle Channel / 26dB BW

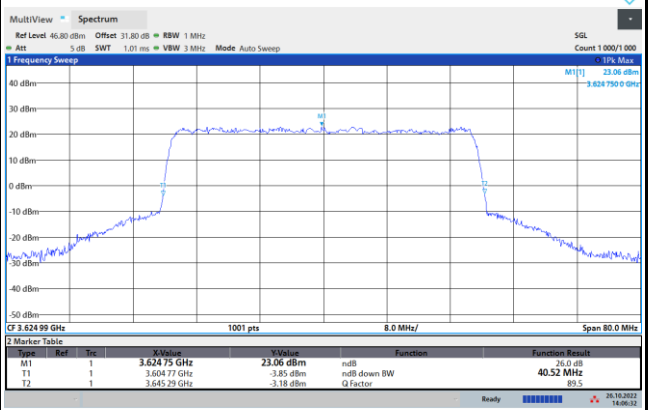
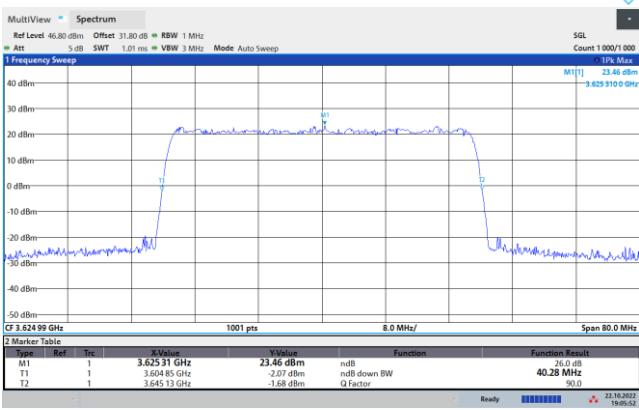
QPSK

16QAM



64QAM

256QAM

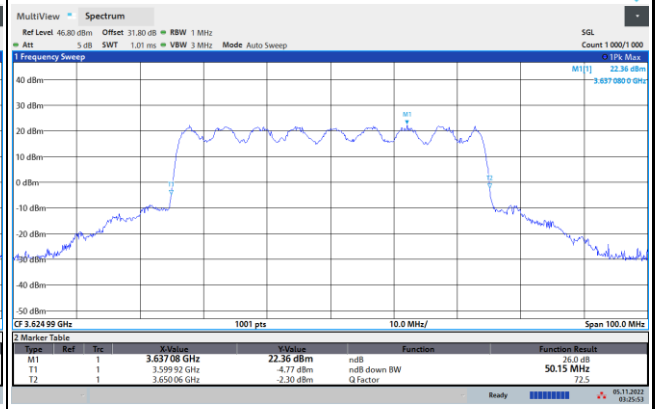
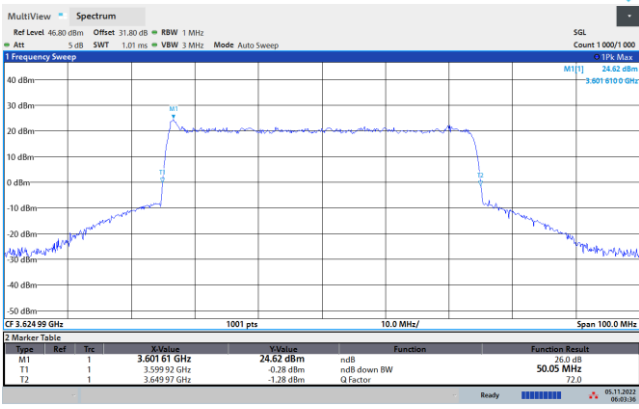




FR1 n48 / 50MHz / Middle Channel / 26dB BW

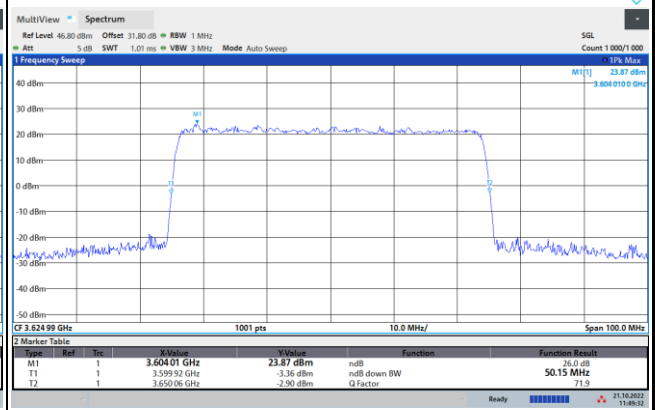
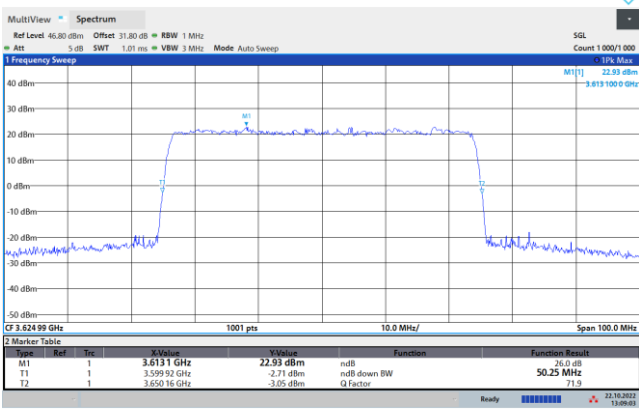
QPSK

16QAM



64QAM

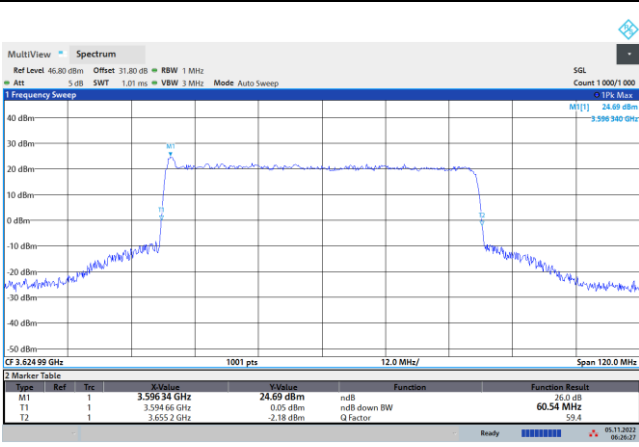
256QAM



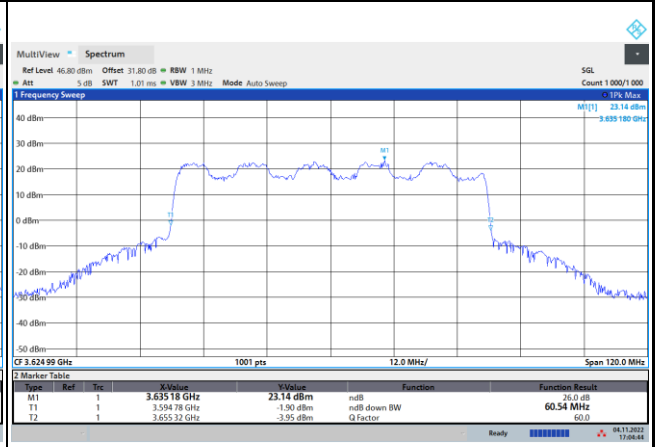


FR1 n48 / 60MHz / Middle Channel / 26dB BW

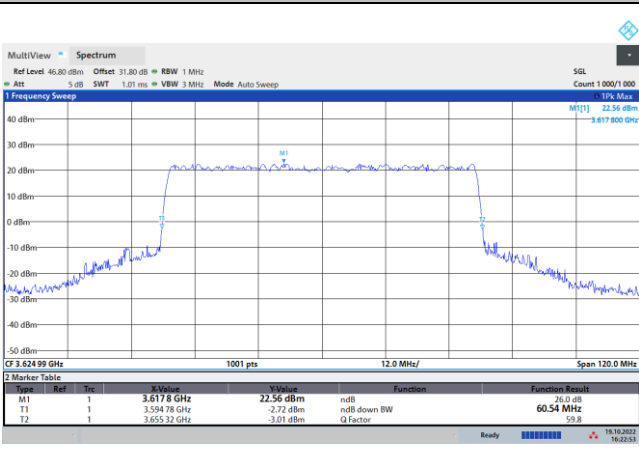
QPSK



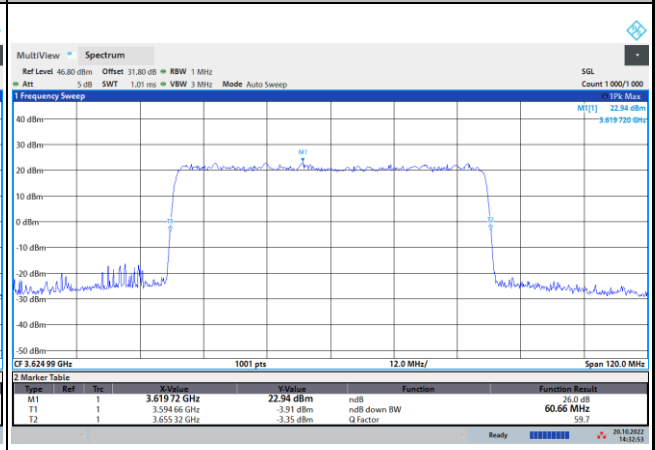
16QAM



64QAM



256QAM



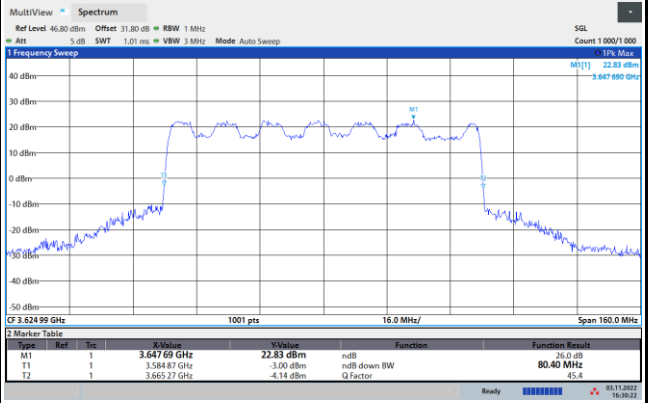
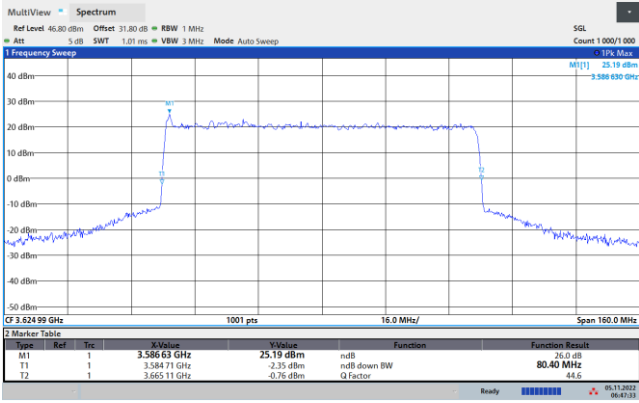




FR1 n48 / 80MHz / Middle Channel / 26dB BW

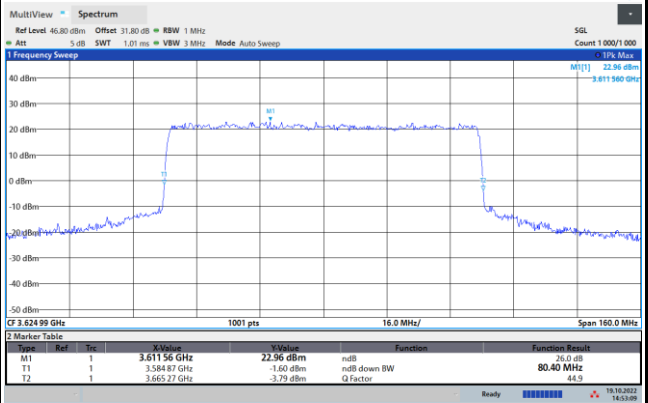
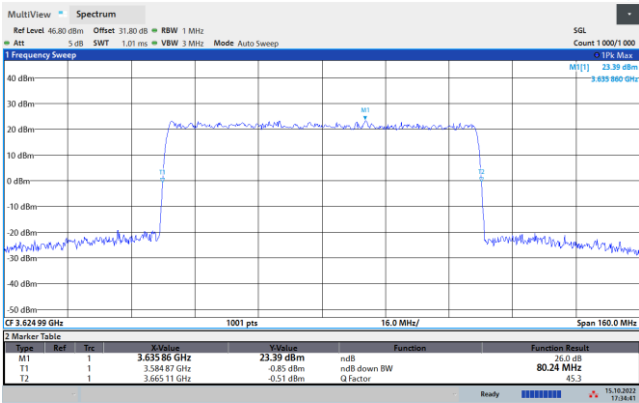
QPSK

16QAM



64QAM

256QAM

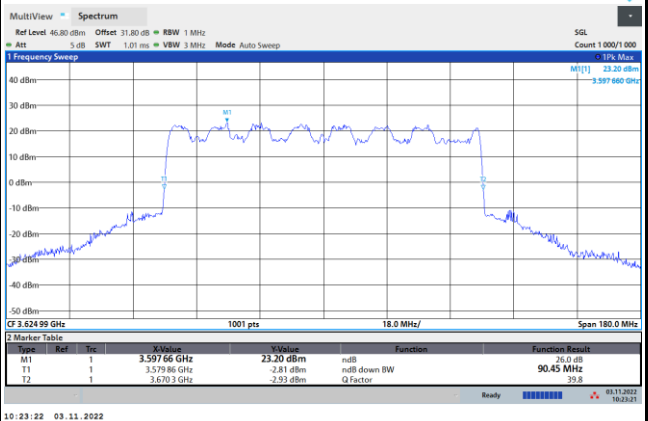
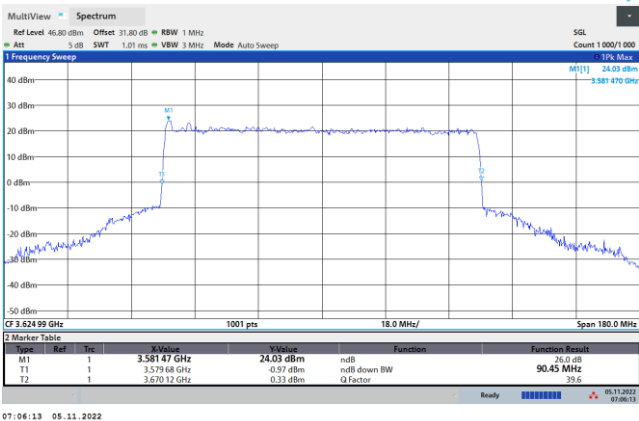




FR1 n48 / 90MHz / Middle Channel / 26dB BW

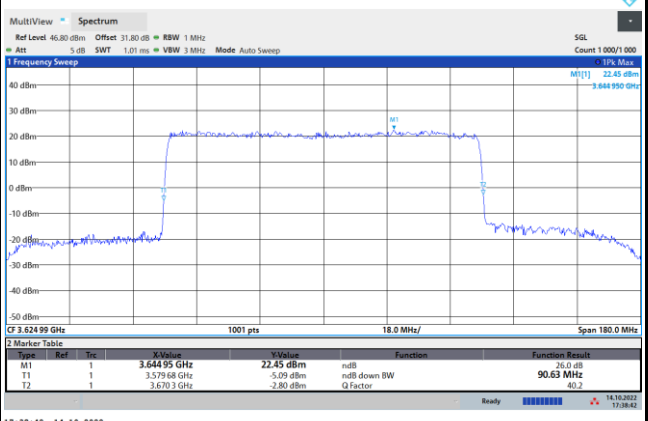
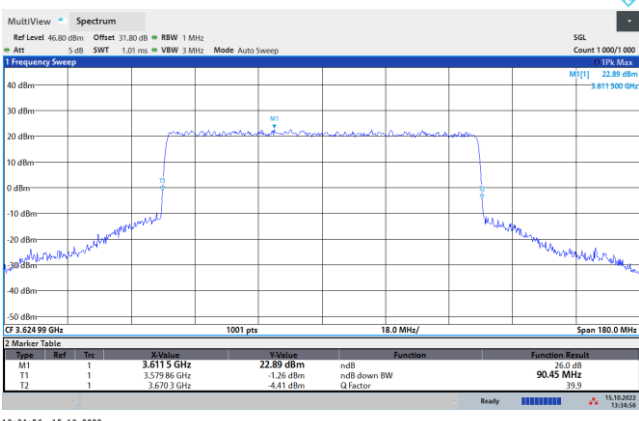
QPSK

16QAM



64QAM

256QAM

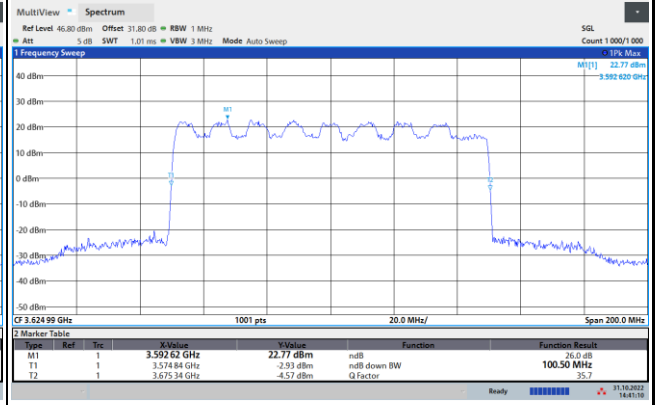
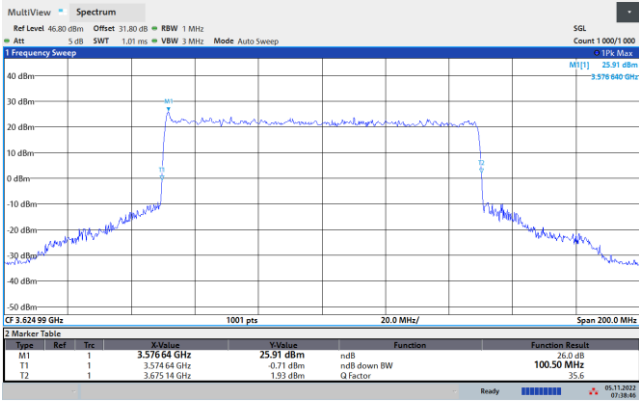




FR1 n48 / 100MHz / Middle Channel / 26dB BW

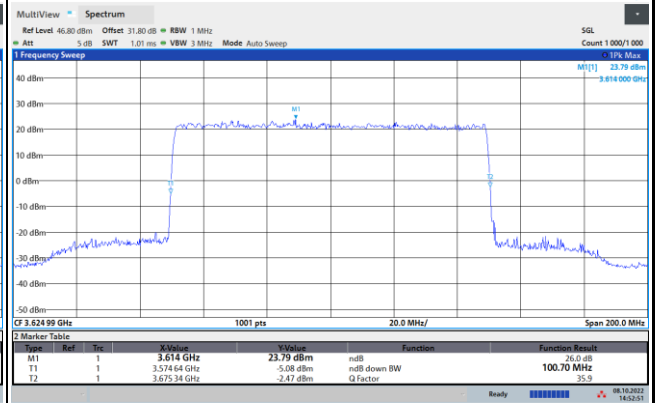
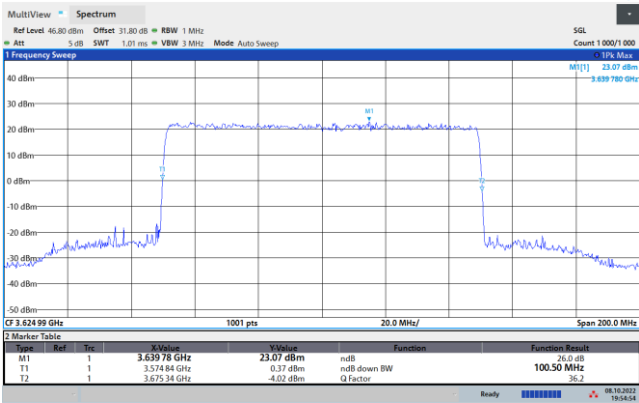
QPSK

16QAM



64QAM

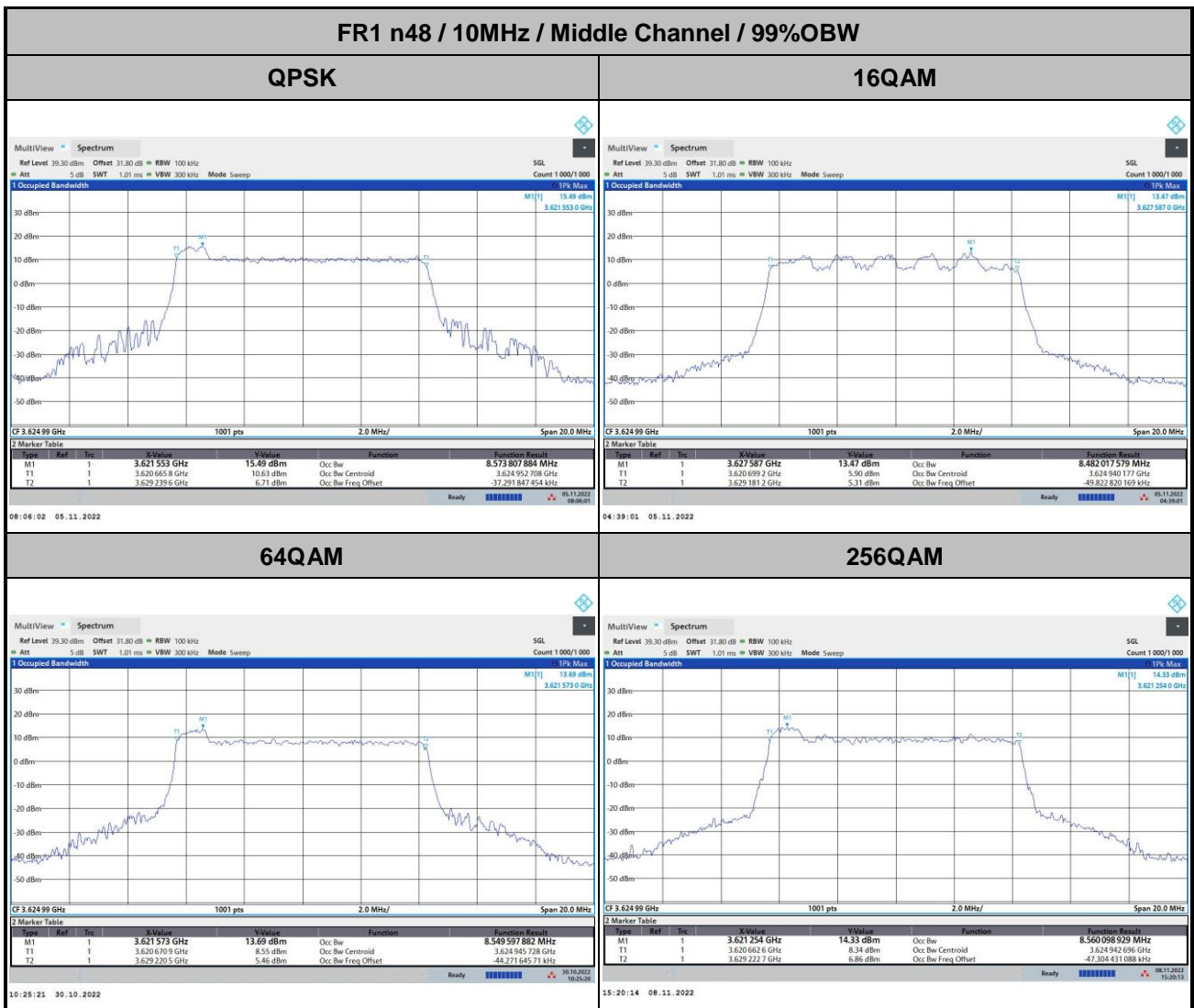
256QAM





# Occupied Bandwidth

Mode	FR1 n48 : 99%OBW (MHz)							
	10MHz		20MHz		40MHz		50MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	8.57	8.48	18.28	18.33	38.30	38.11	47.97	47.53
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	8.54	8.56	18.27	18.28	37.86	37.90	47.22	47.47
BW	60MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	58.11	57.75	77.75	77.51	87.83	87.61	97.65	96.97
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	57.82	57.81	77.28	77.48	87.20	87.25	97.21	97.23

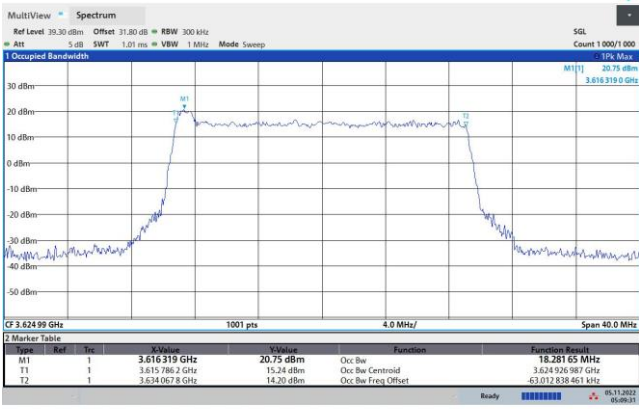




FR1 n48 / 20MHz / Middle Channel / 99%OBW

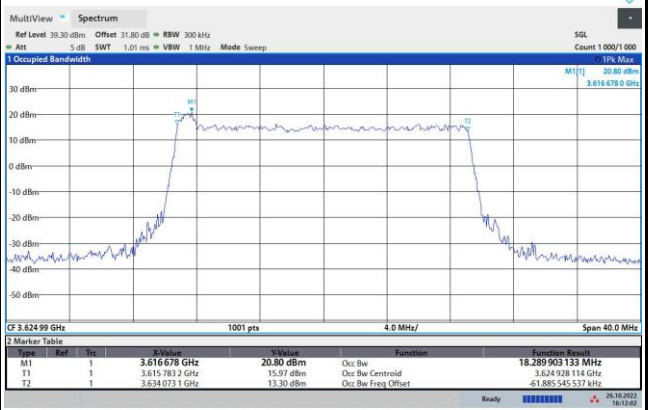
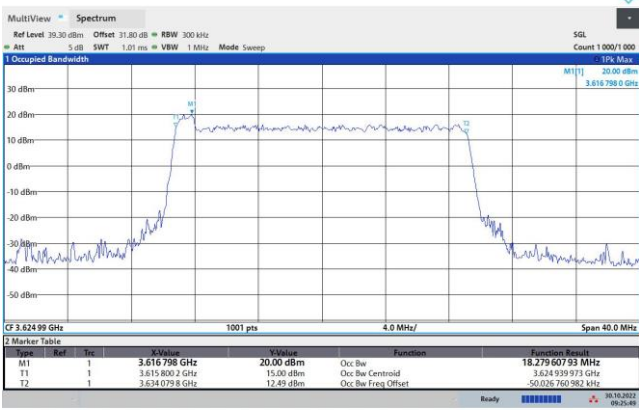
QPSK

16QAM



64QAM

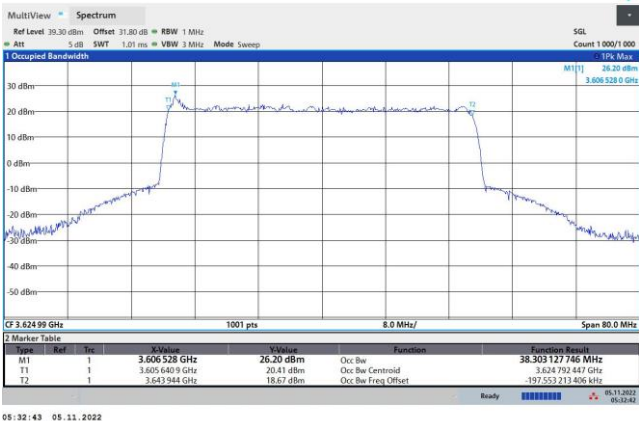
256QAM



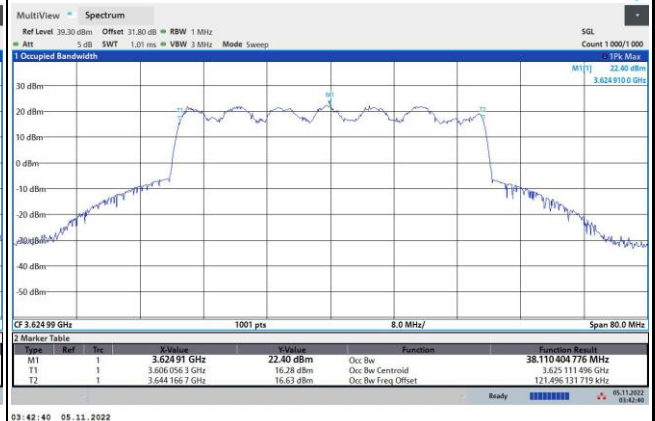


FR1 n48 / 40MHz / Middle Channel / 99%OBW

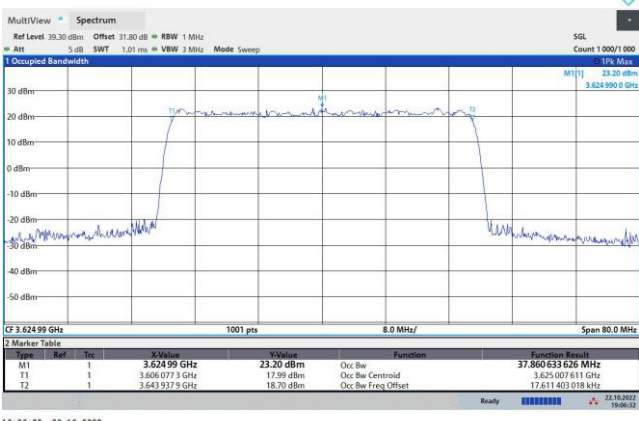
QPSK



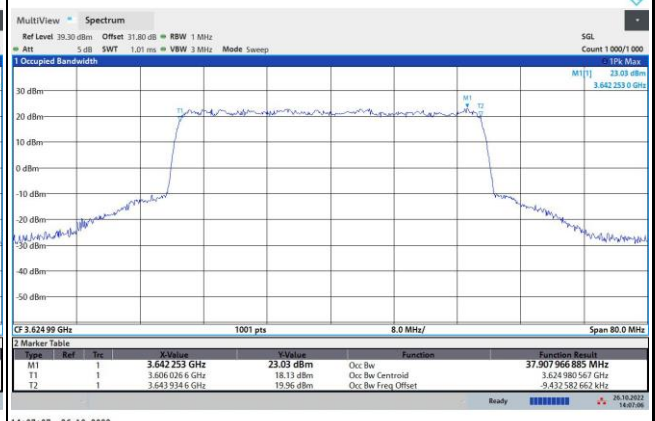
16QAM



64QAM



256QAM

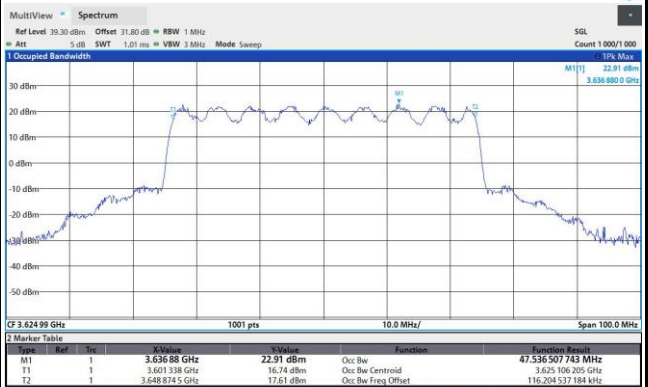
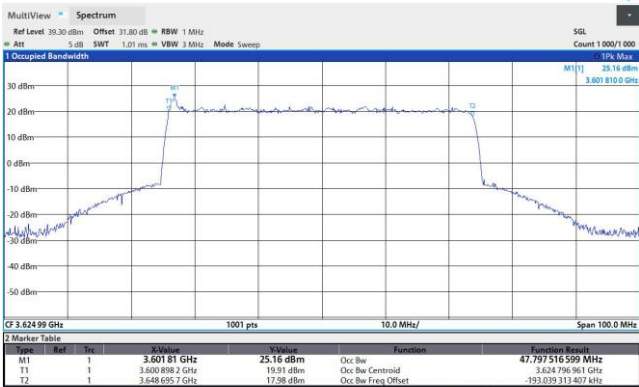




FR1 n48 / 50MHz / Middle Channel / 99%OBW

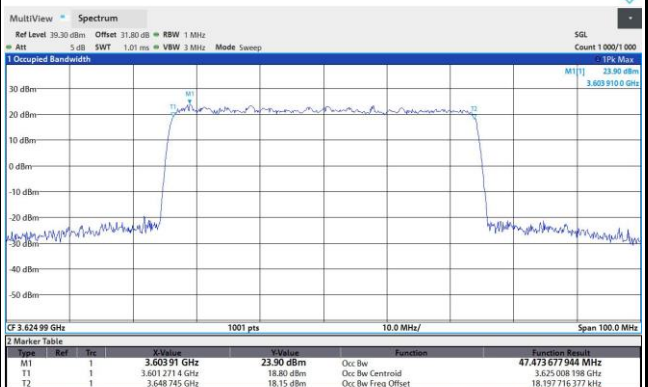
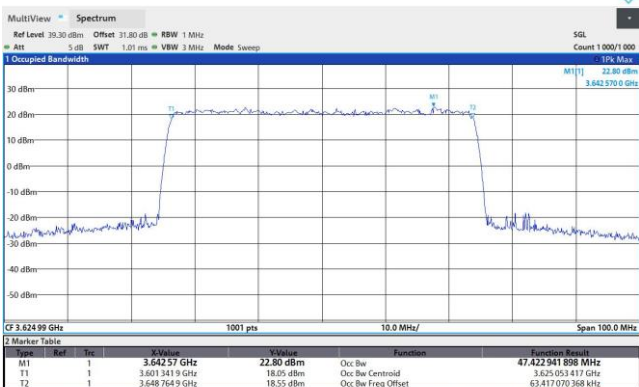
QPSK

16QAM



64QAM

256QAM

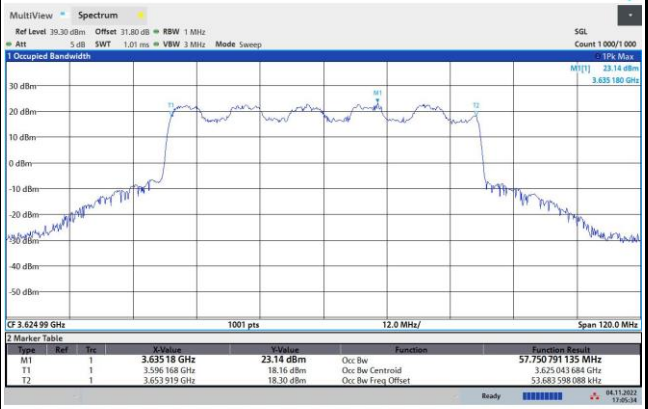
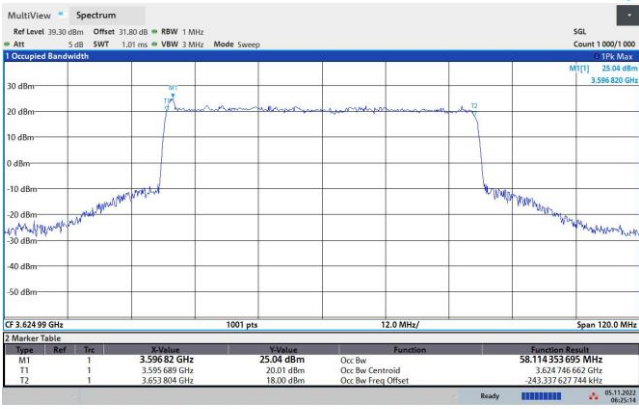




FR1 n48 / 60MHz / Middle Channel / 99%OBW

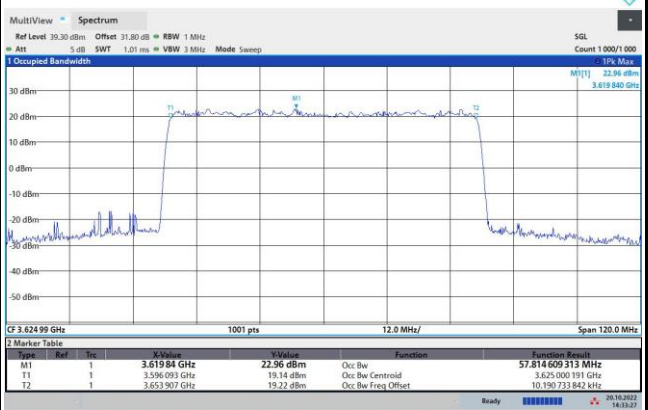
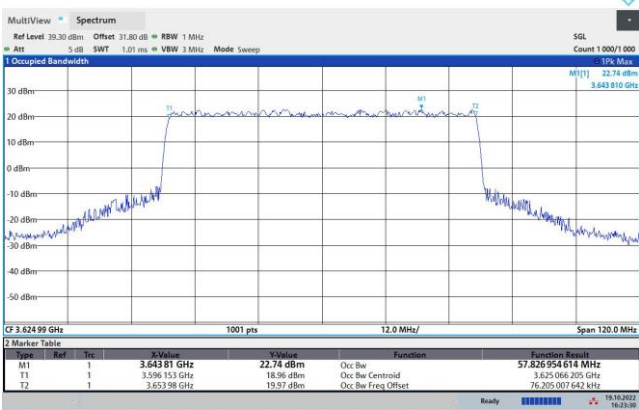
QPSK

16QAM



64QAM

256QAM

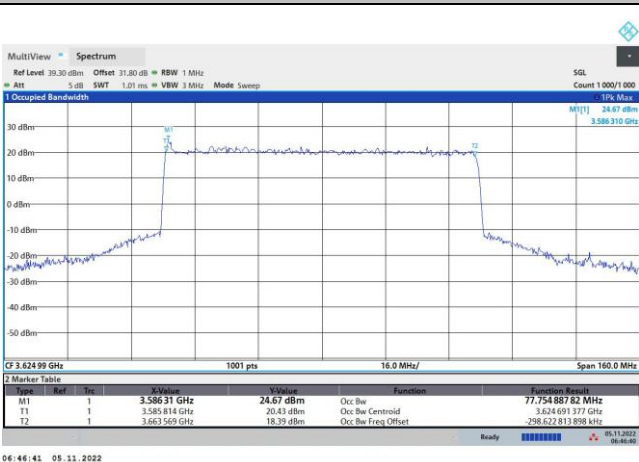






FR1 n48 / 80MHz / Middle Channel / 99%OBW

QPSK



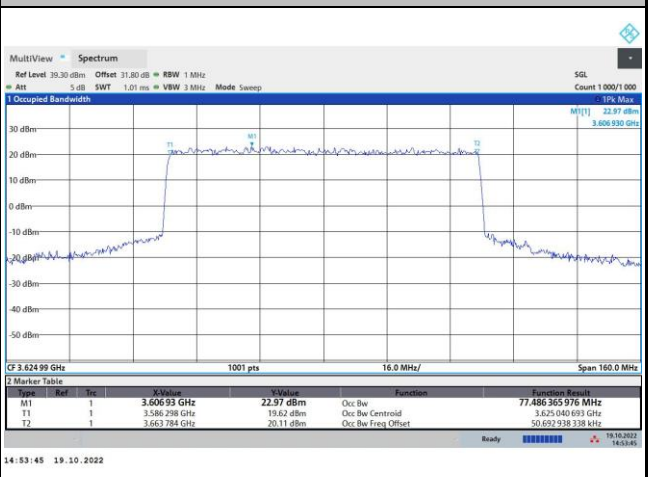
16QAM



64QAM



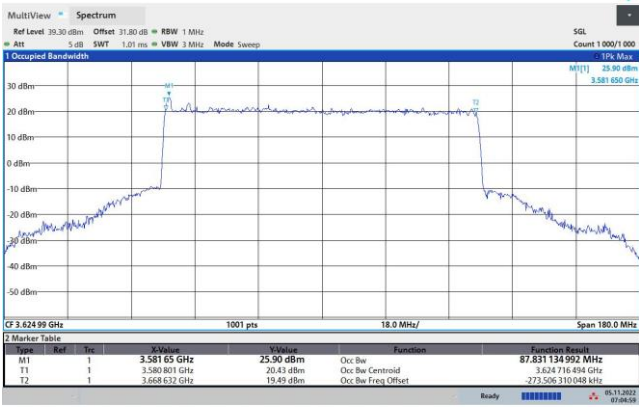
256QAM



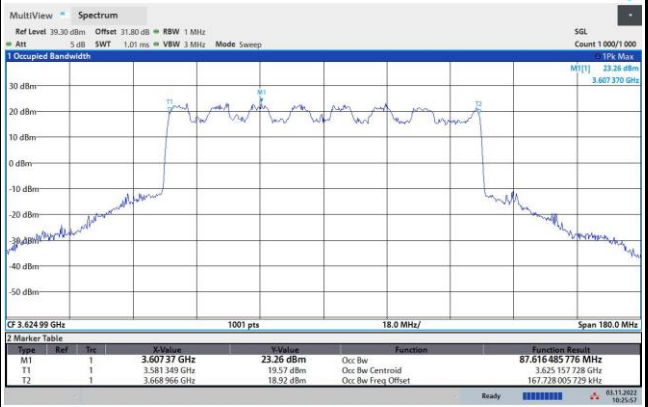


FR1 n48 / 90MHz / Middle Channel / 99%OBW

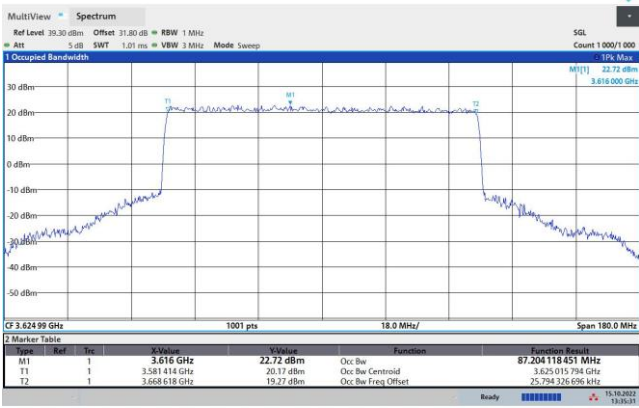
QPSK



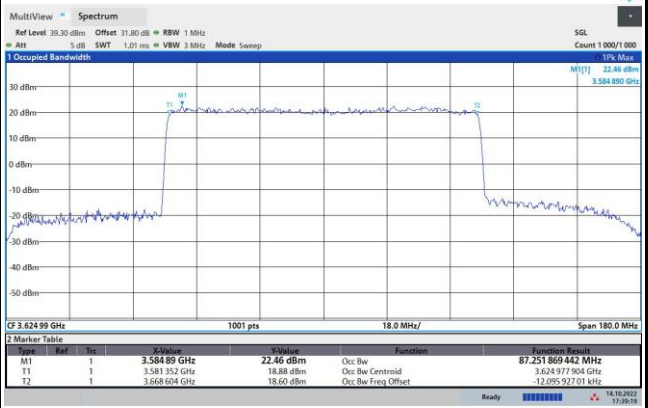
16QAM



64QAM



256QAM

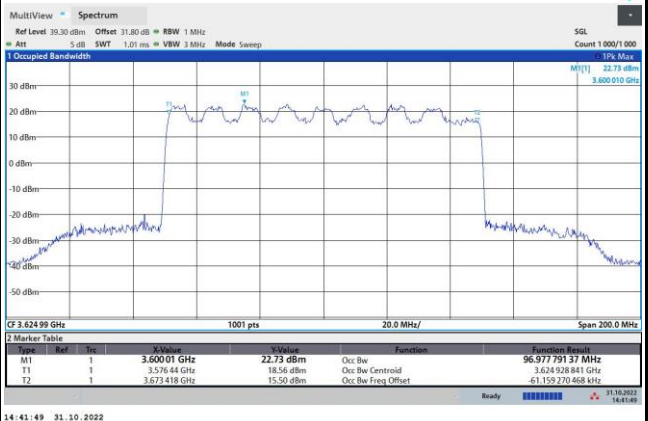
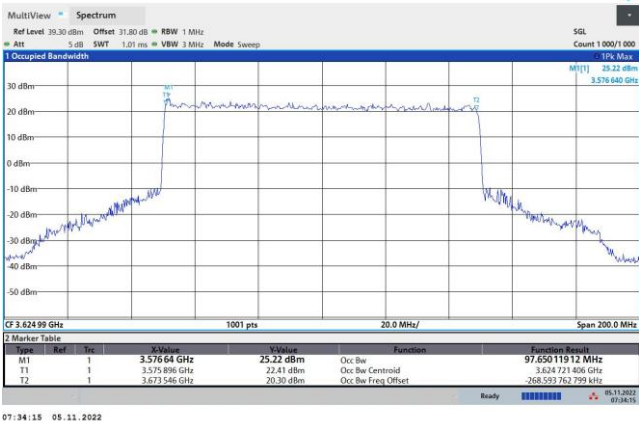




FR1 n48 / 100MHz / Middle Channel / 99%OBW

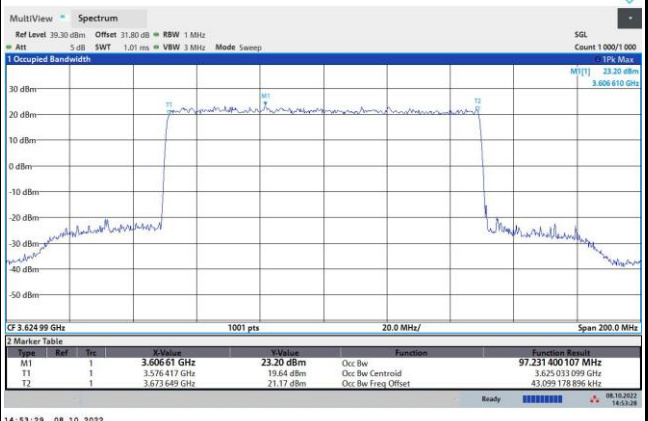
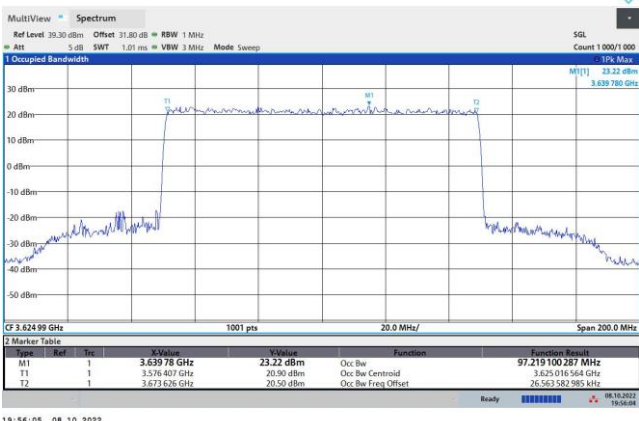
QPSK

16QAM



64QAM

256QAM



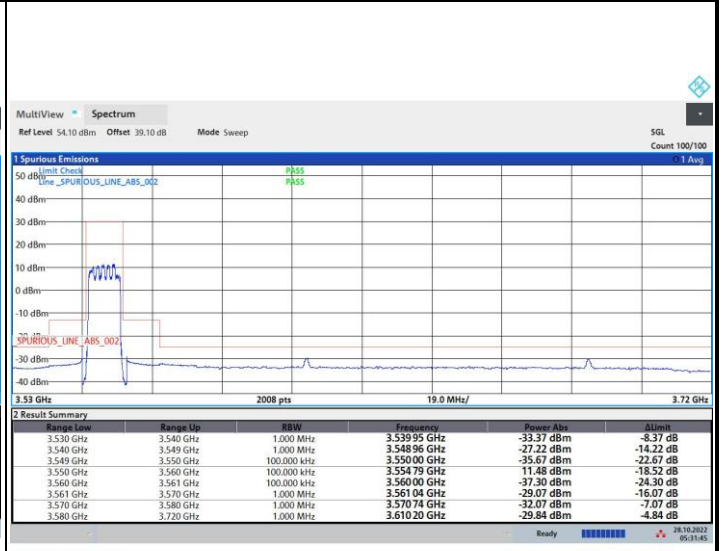
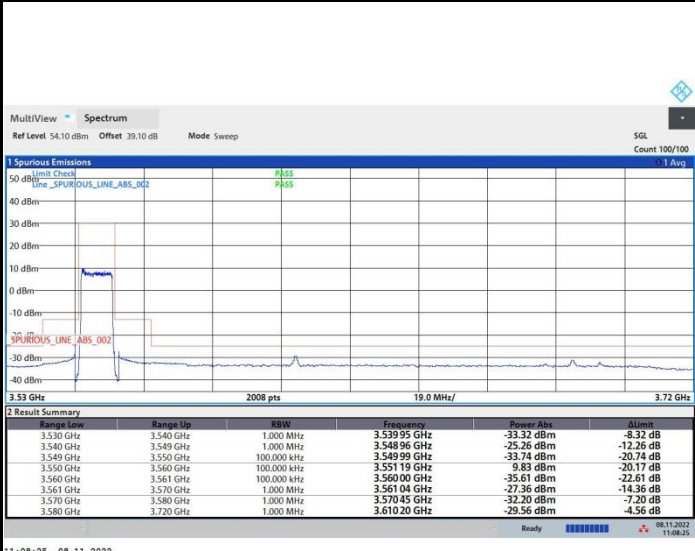


Unwanted Emission (MASK)

FR1 n48 / 10MHz / Lowest Channel / MASK

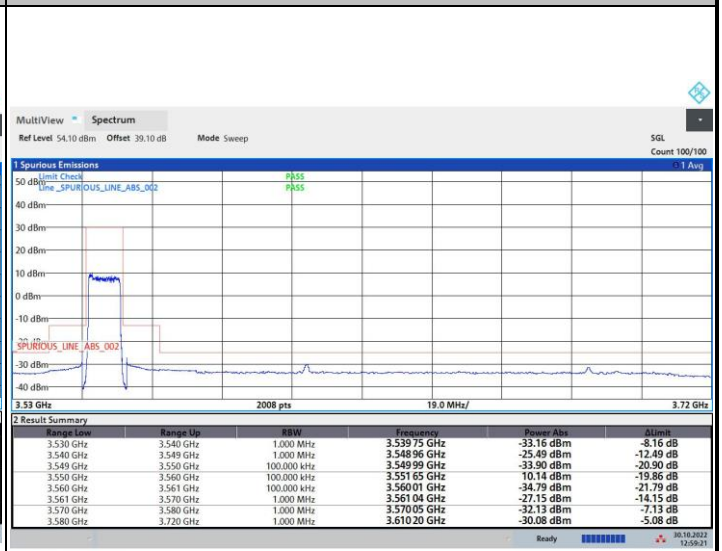
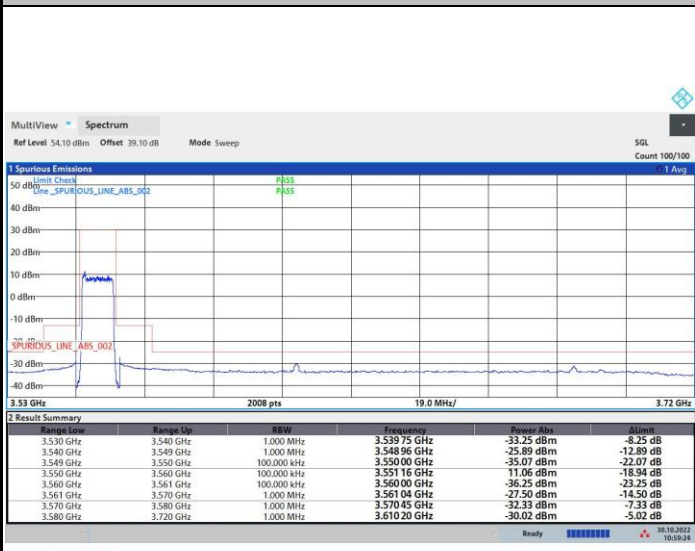
QPSK

16QAM



64QAM

256QAM

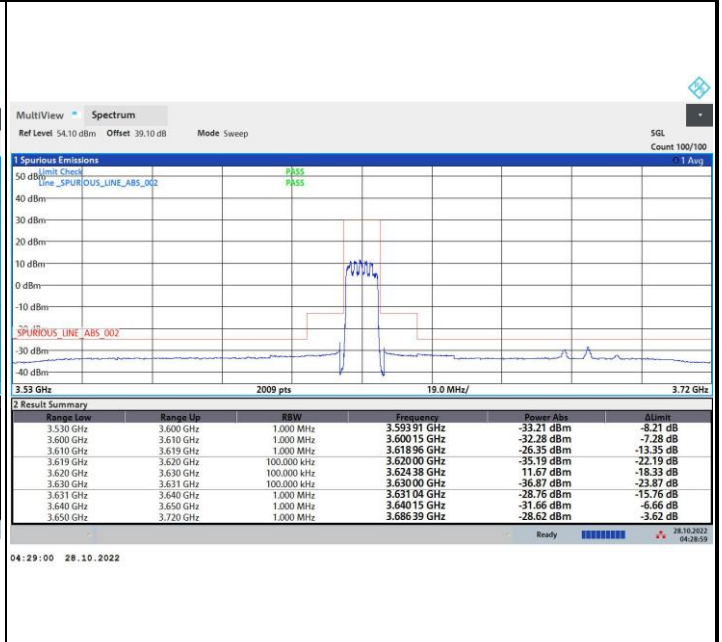
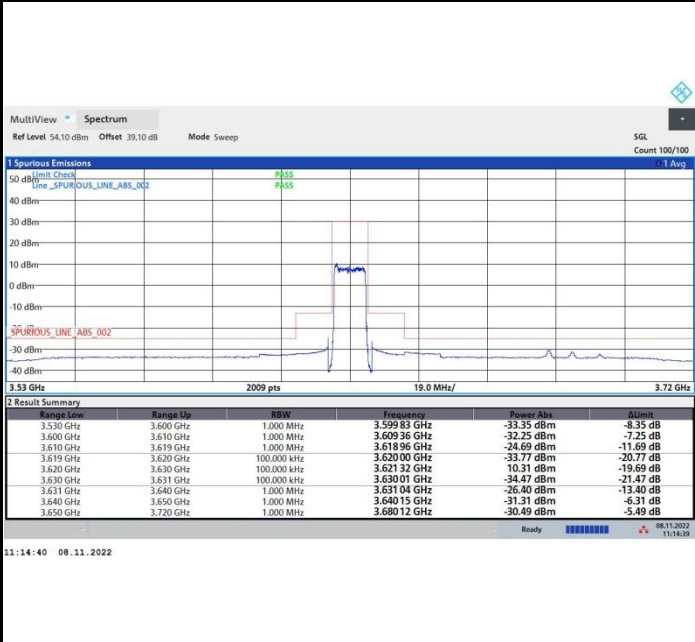




FR1 n48 / 10MHz / Middle Channel / MASK

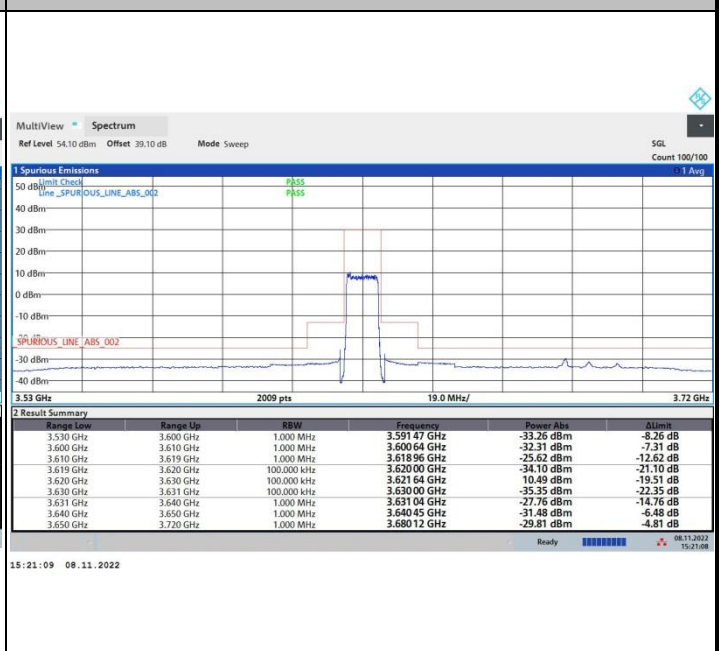
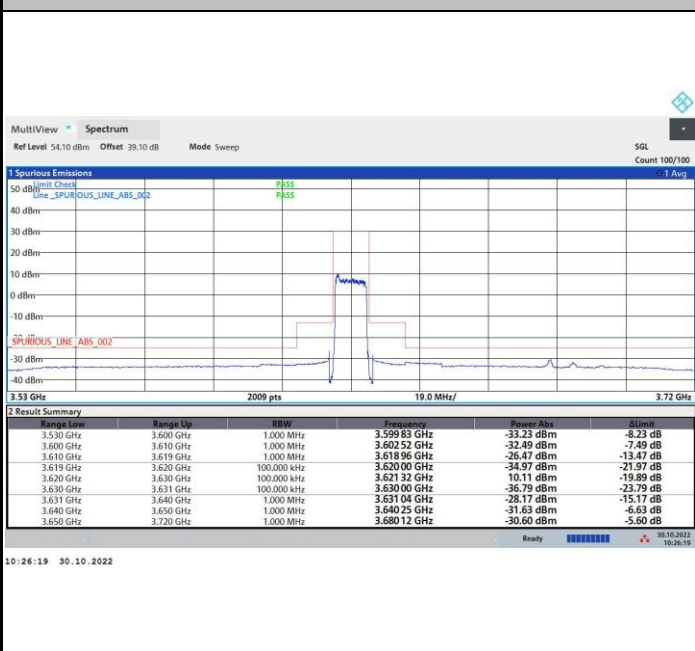
QPSK

16QAM



64QAM

256QAM

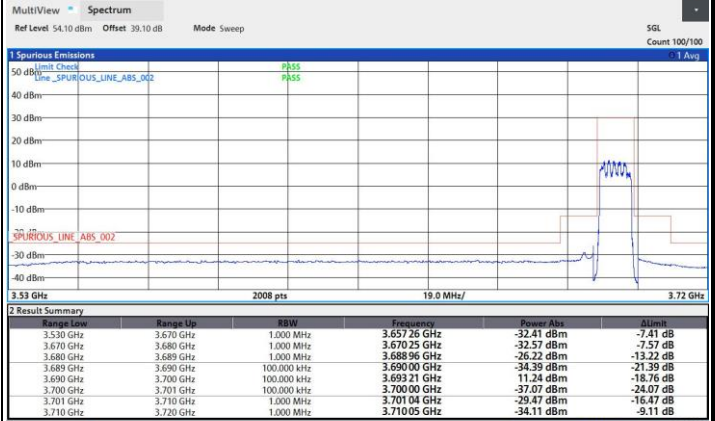
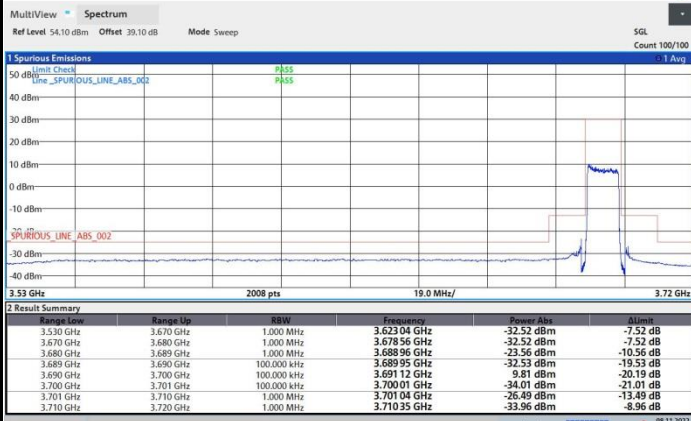




FR1 n48 / 10MHz / Highest Channel / MASK

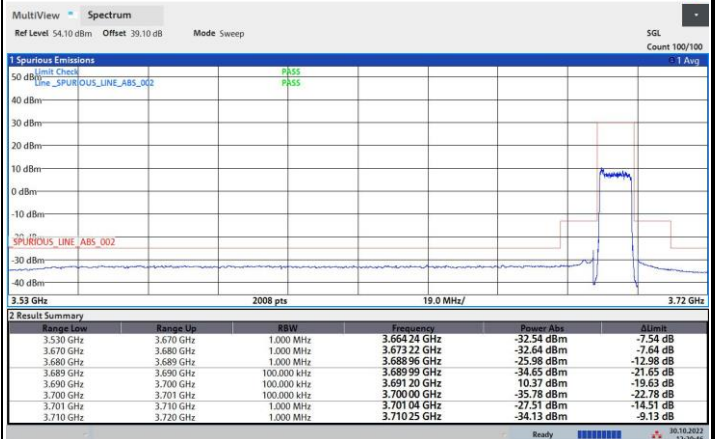
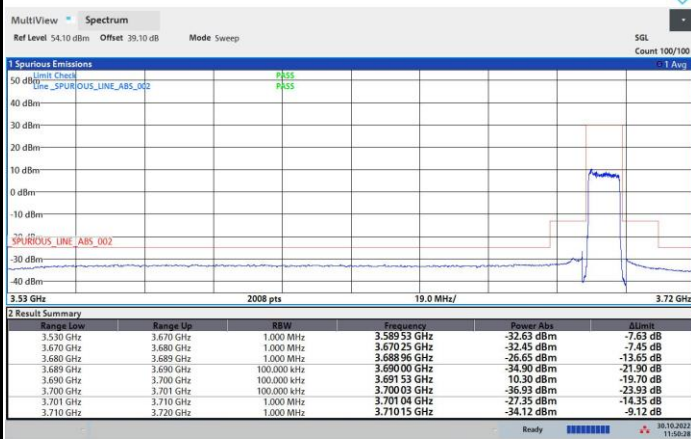
QPSK

16QAM



64QAM

256QAM

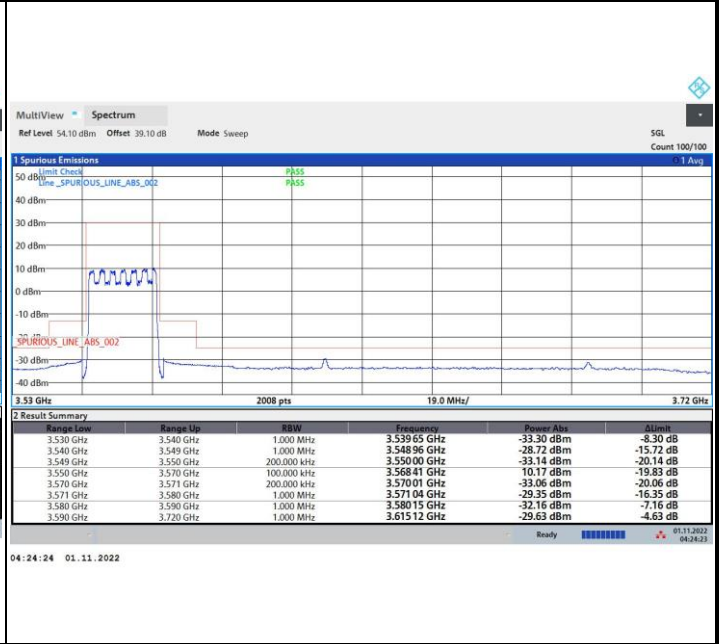
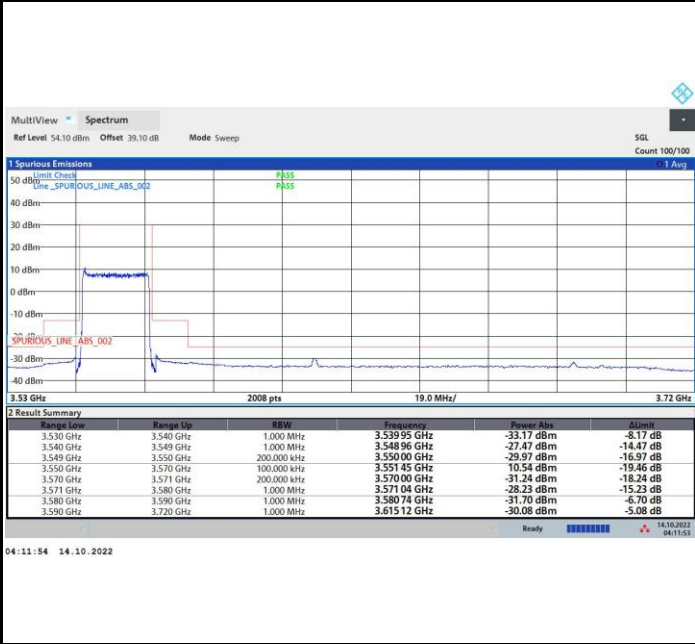




FR1 n48 / 20MHz / Lowest Channel / MASK

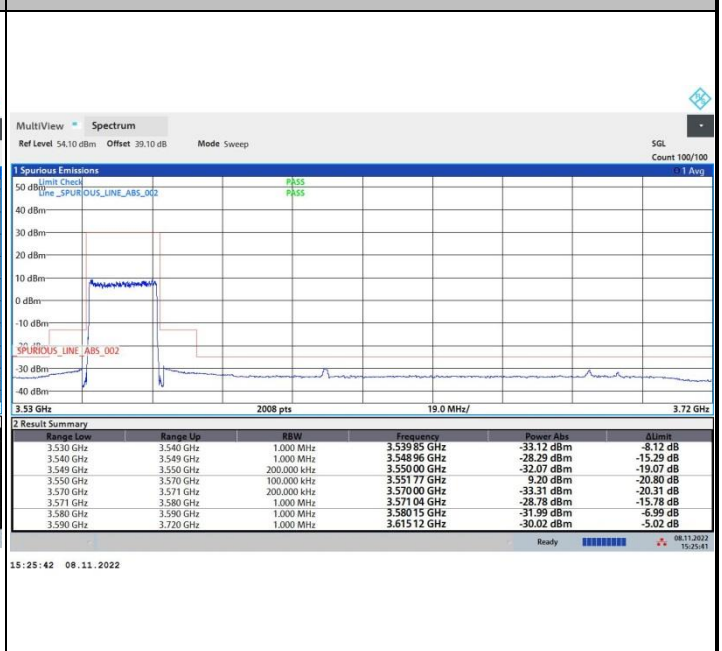
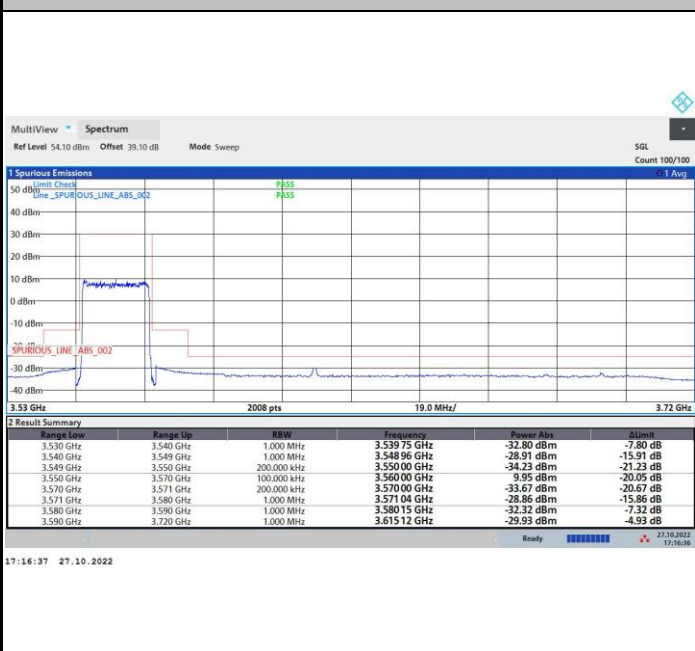
QPSK

16QAM



64QAM

256QAM

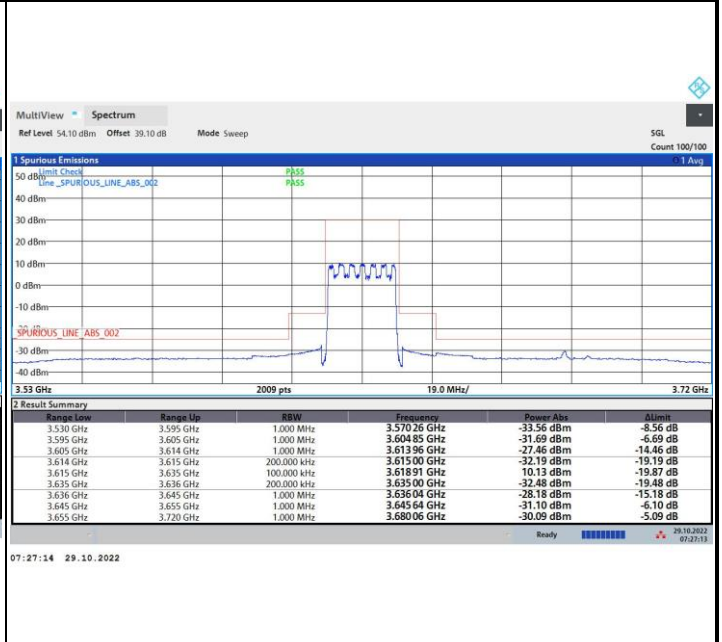
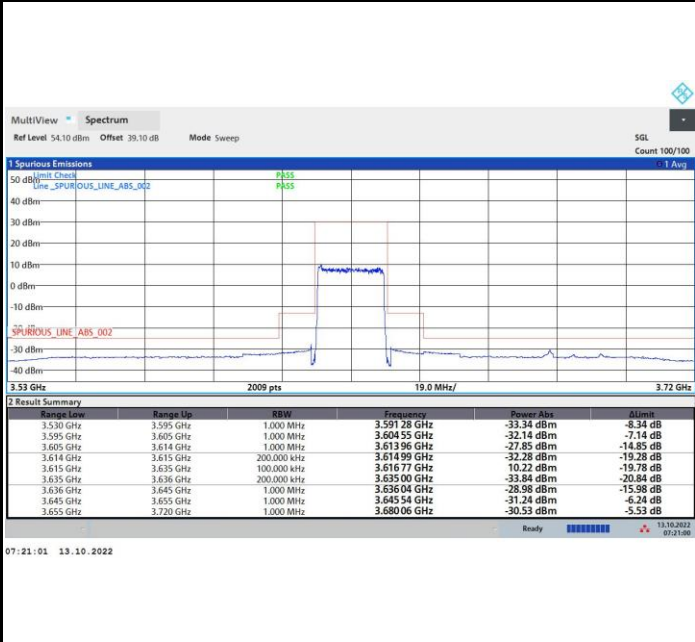




FR1 n48 / 20MHz / Middle Channel / MASK

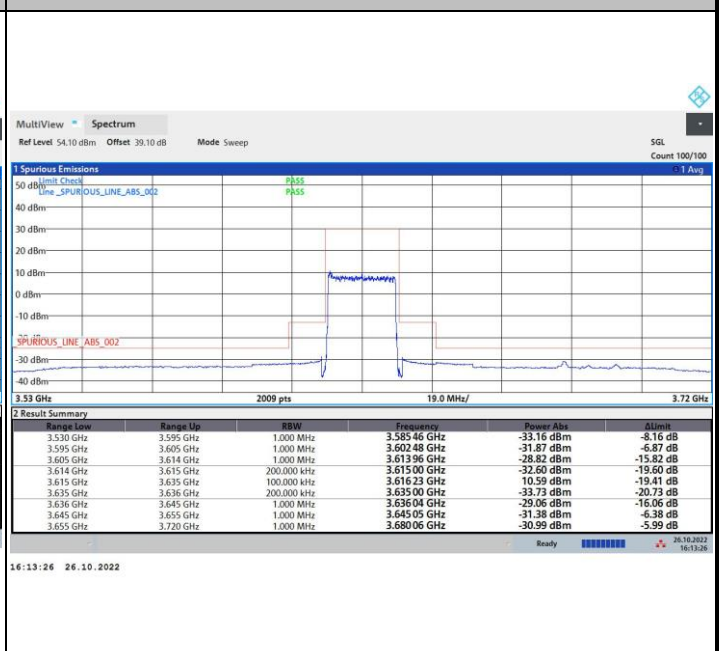
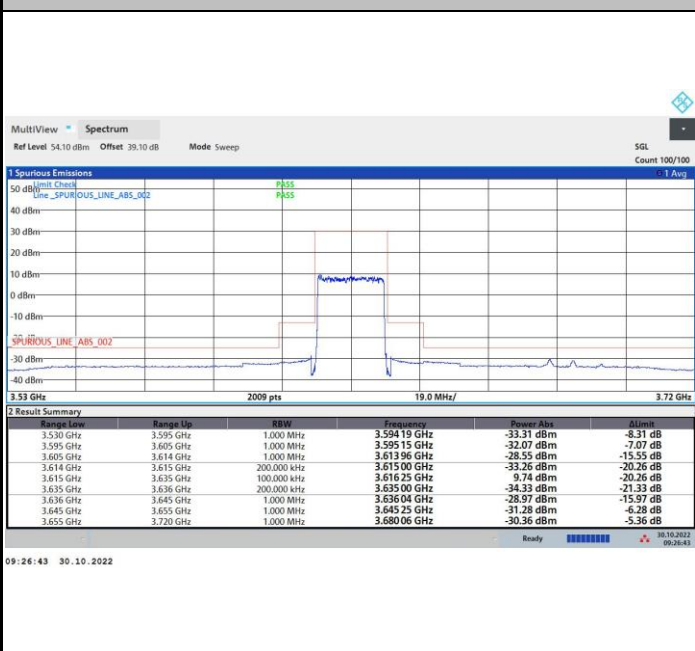
QPSK

16QAM



64QAM

256QAM



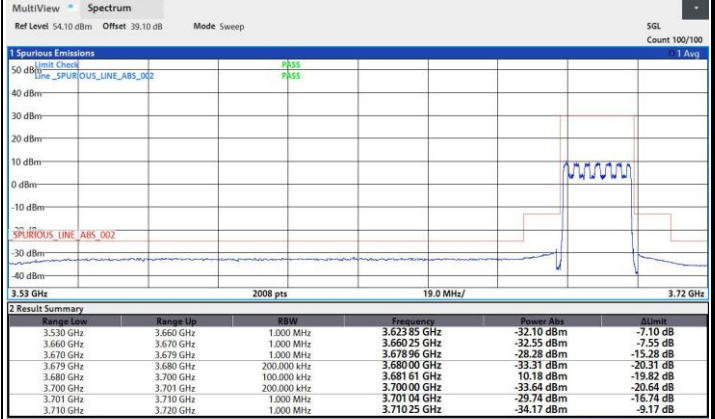
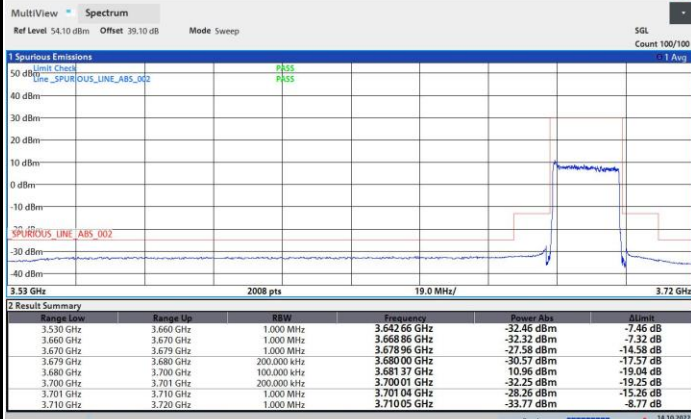




FR1 n48 / 20MHz / Highest Channel / MASK

QPSK

16QAM

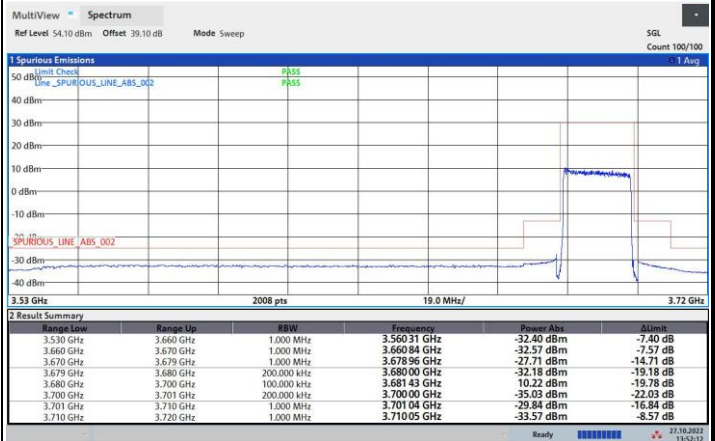
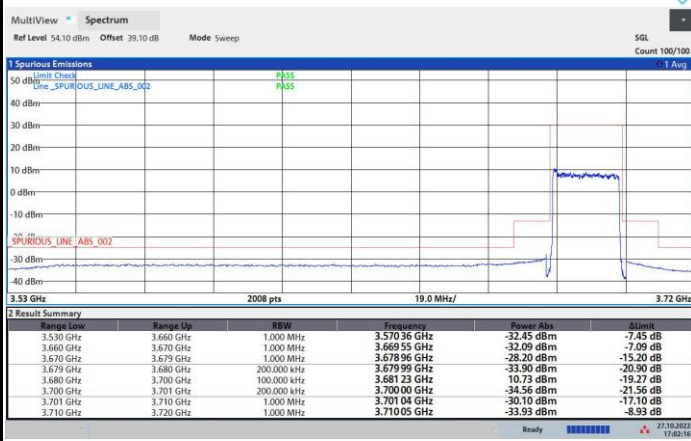


06:04:39 14.10.2022

07:02:34 01.11.2022

64QAM

256QAM



17:02:17 27.10.2022

13:52:12 27.10.2022