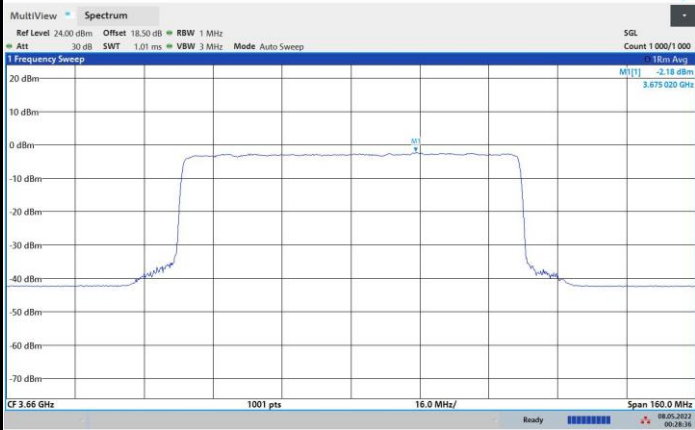




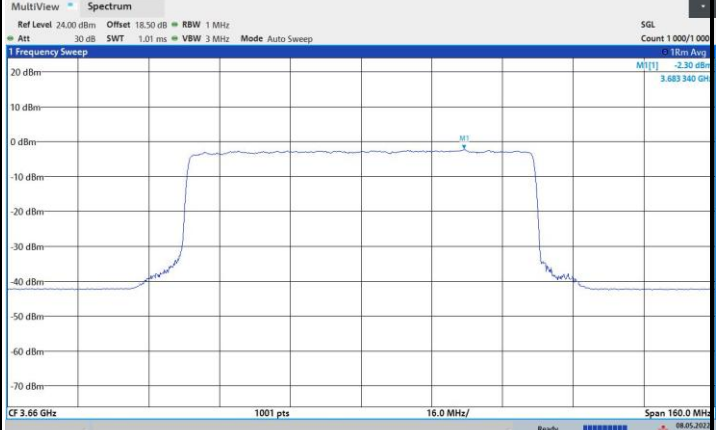
FR1 n48 / 80MHz / Highest Channel / PSD

QPSK



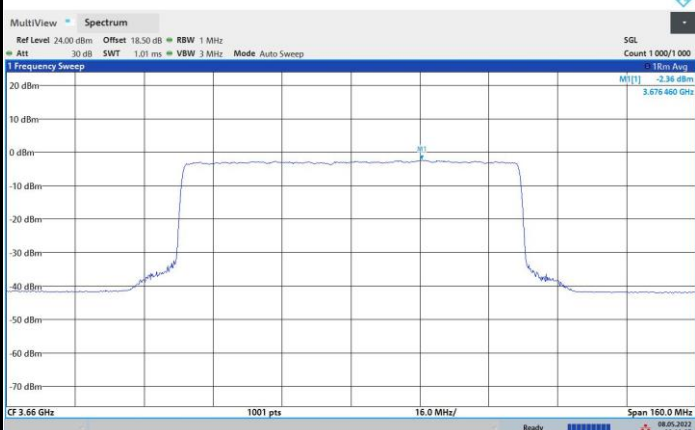
00:28:36 08.05.2022

16QAM



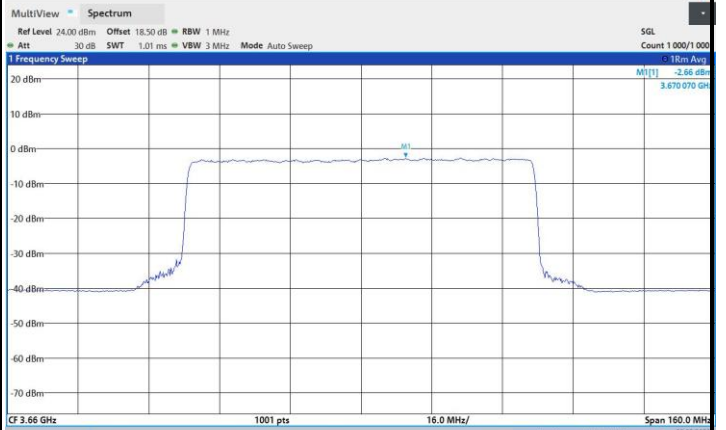
00:20:09 08.05.2022

64QAM



00:11:08 08.05.2022

256QAM

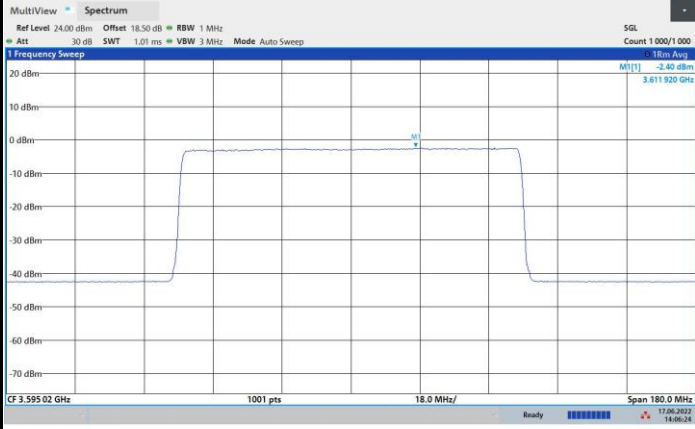


02:29:54 08.05.2022



FR1 n48 / 90MHz / Lowest Channel / PSD

QPSK



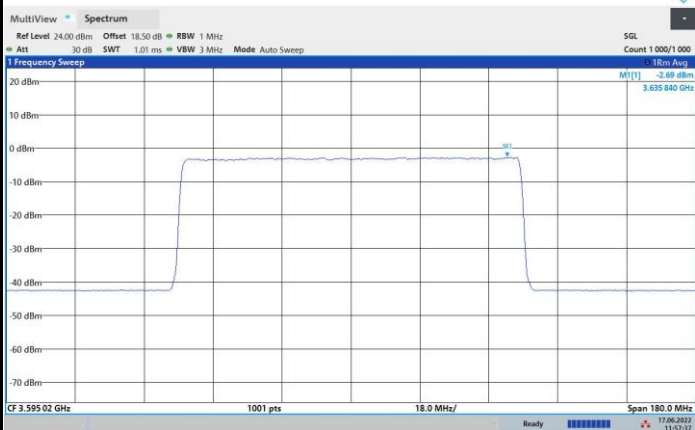
14:06:25 17.06.2022

16QAM



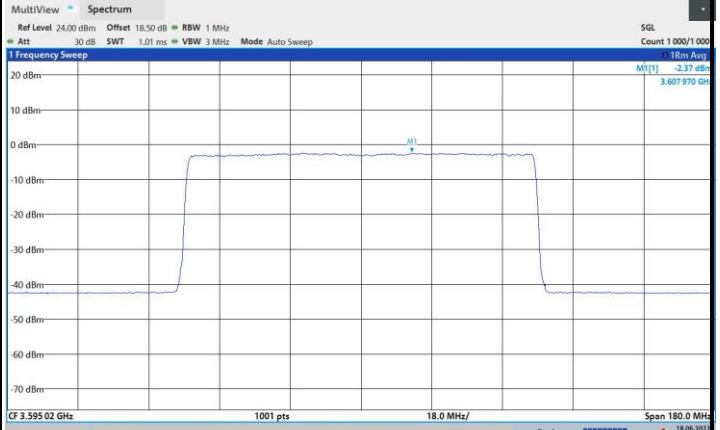
13:58:53 17.06.2022

64QAM



11:57:38 17.06.2022

256QAM

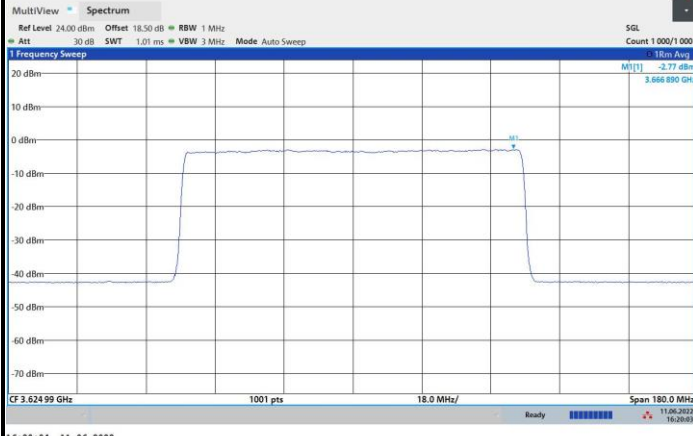


13:15:17 18.06.2022



FR1 n48 / 90MHz / Middle Channel / PSD

QPSK



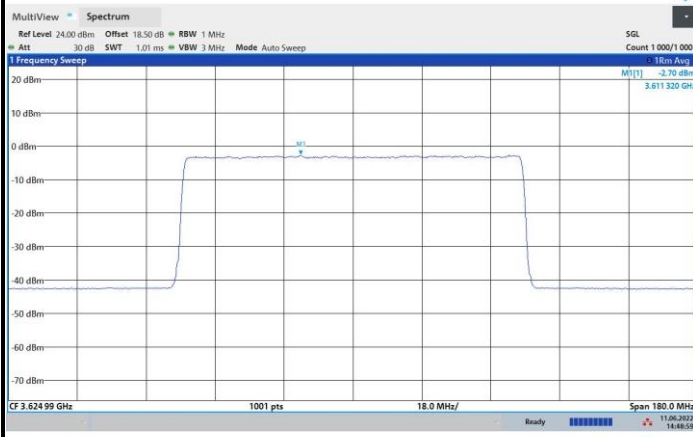
16:20:04 11.06.2022

16QAM



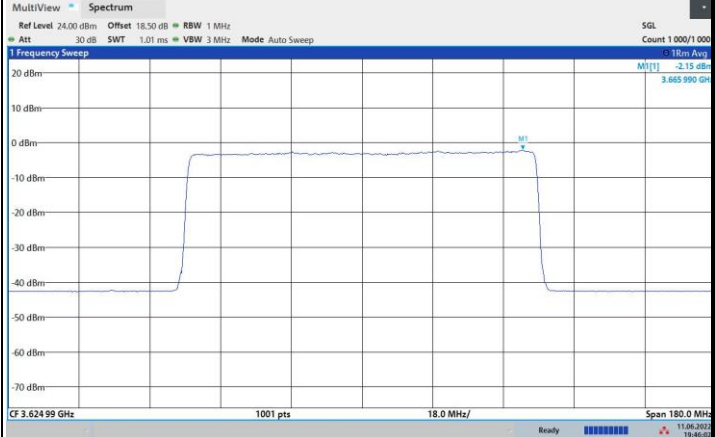
14:59:23 11.06.2022

64QAM



14:49:00 11.06.2022

256QAM

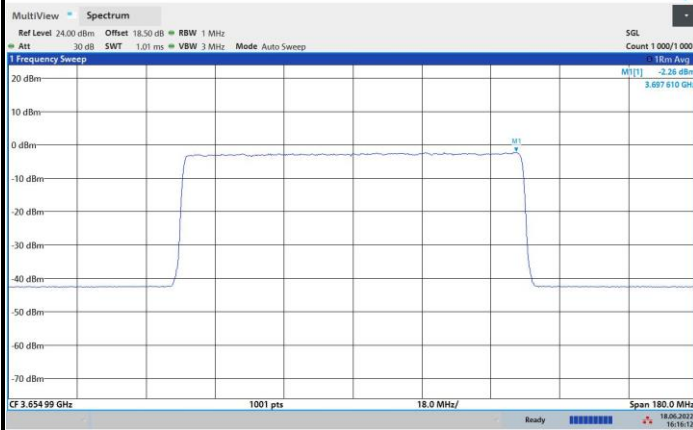


19:46:03 11.06.2022



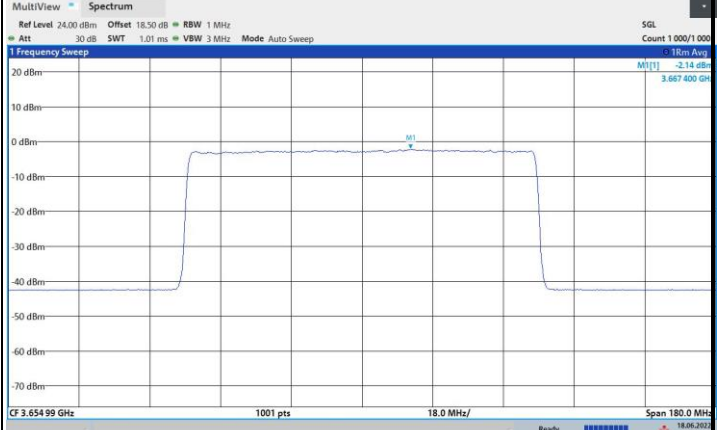
FR1 n48 / 90MHz / Highest Channel / PSD

QPSK



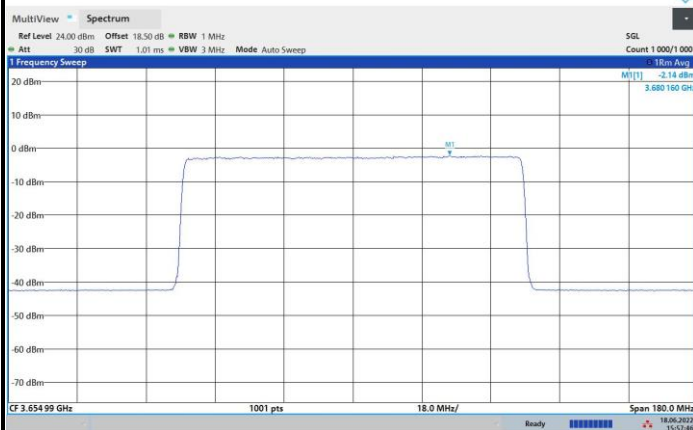
16:16:12 18.06.2022

16QAM



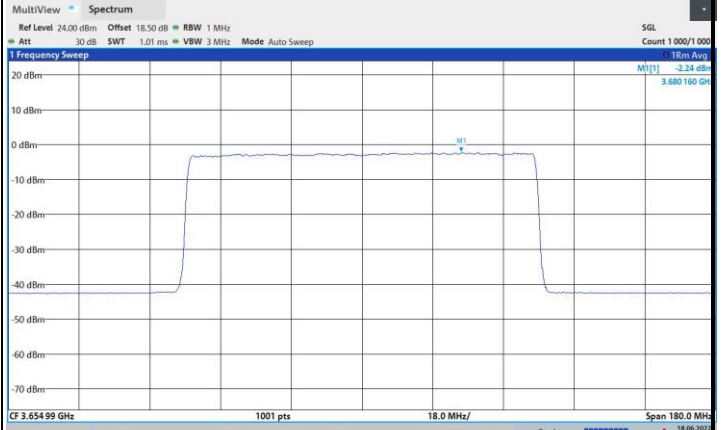
16:06:10 18.06.2022

64QAM



15:57:47 18.06.2022

256QAM

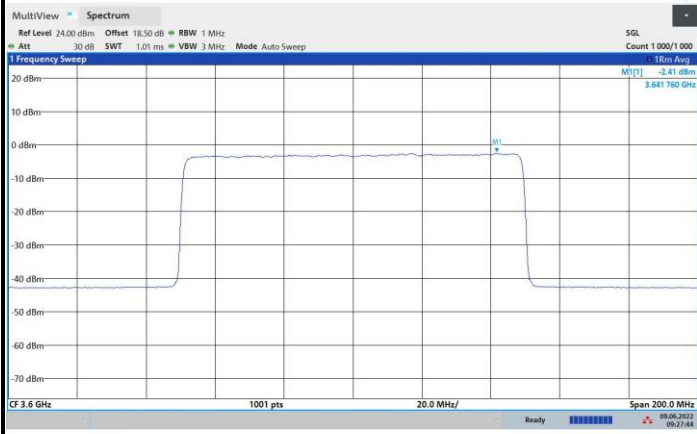


14:33:17 18.06.2022



FR1 n48 / 100MHz / Lowest Channel / PSD

QPSK



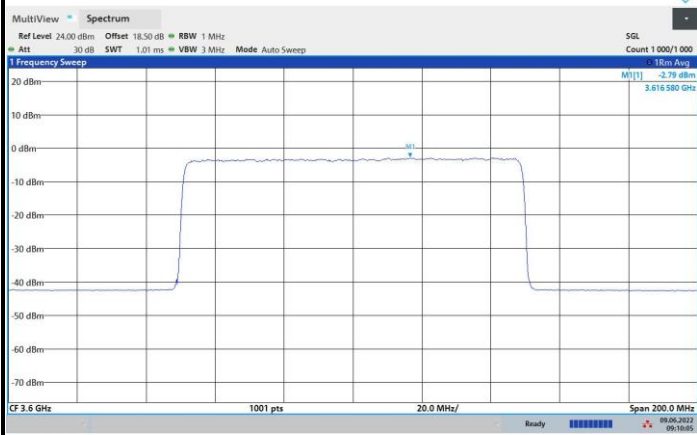
09:27:45 09.06.2022

16QAM



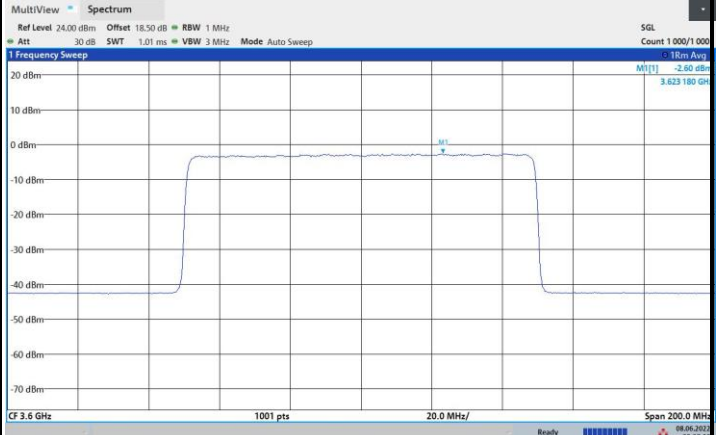
09:20:16 09.06.2022

64QAM



09:10:05 09.06.2022

256QAM

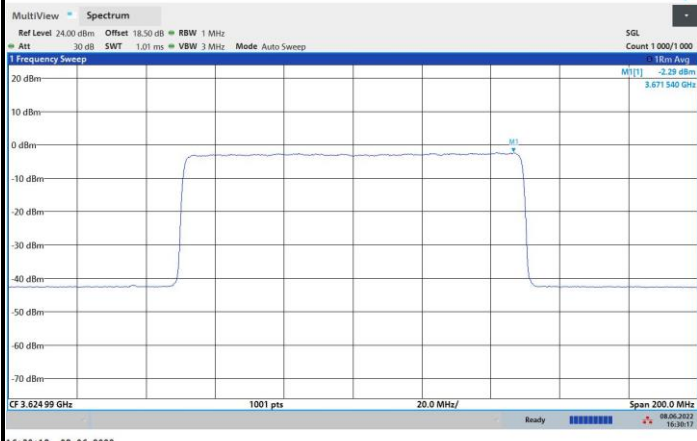


20:37:18 08.06.2022



FR1 n48 / 100MHz / Middle Channel / PSD

QPSK



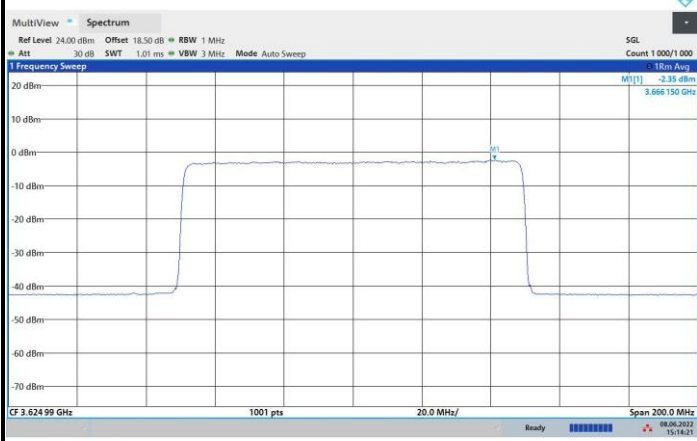
16:30:18 08.06.2022

16QAM



16:01:48 08.06.2022

64QAM



15:14:22 08.06.2022

256QAM

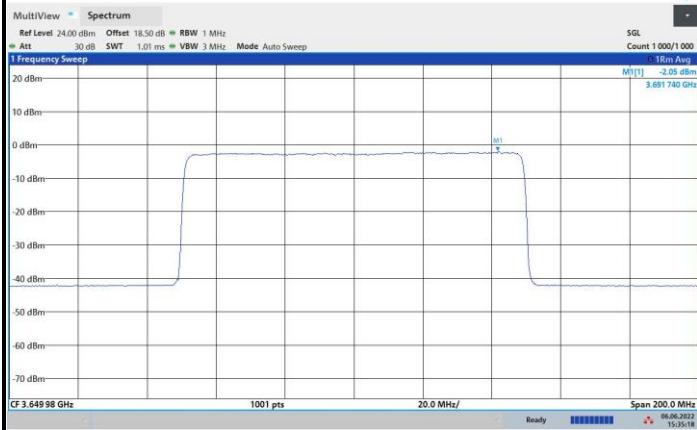


18:24:24 08.06.2022



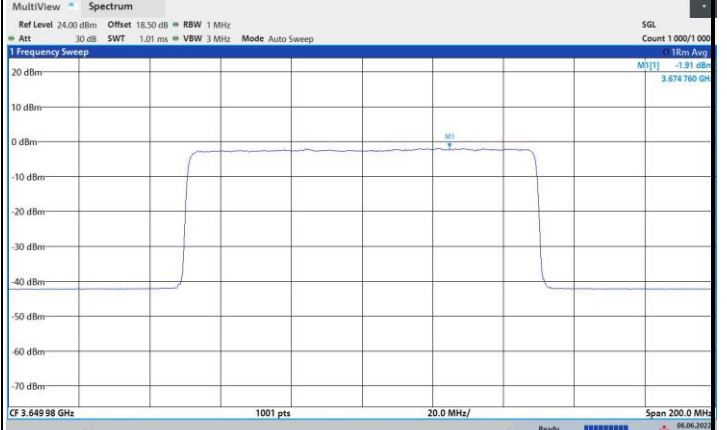
FR1 n48 / 100MHz / Highest Channel / PSD

QPSK



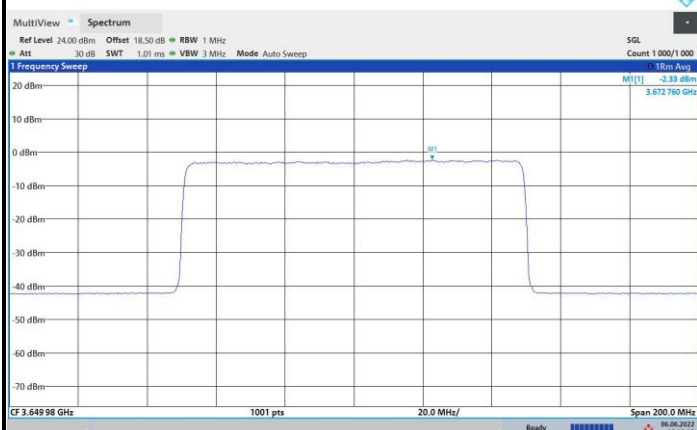
15:35:18 06.06.2022

16QAM



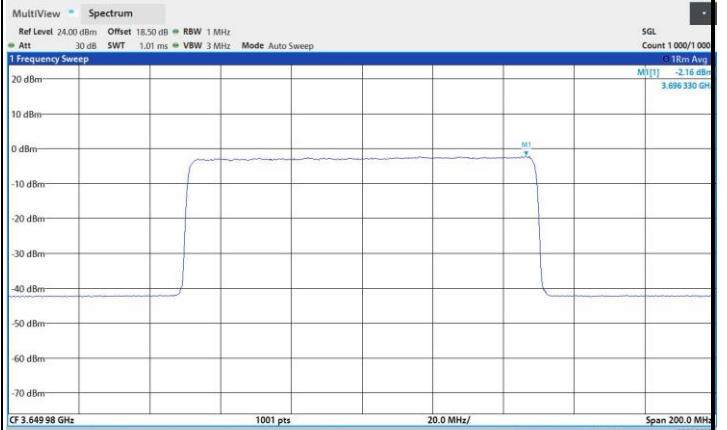
15:13:33 06.06.2022

64QAM



15:08:28 06.06.2022

256QAM

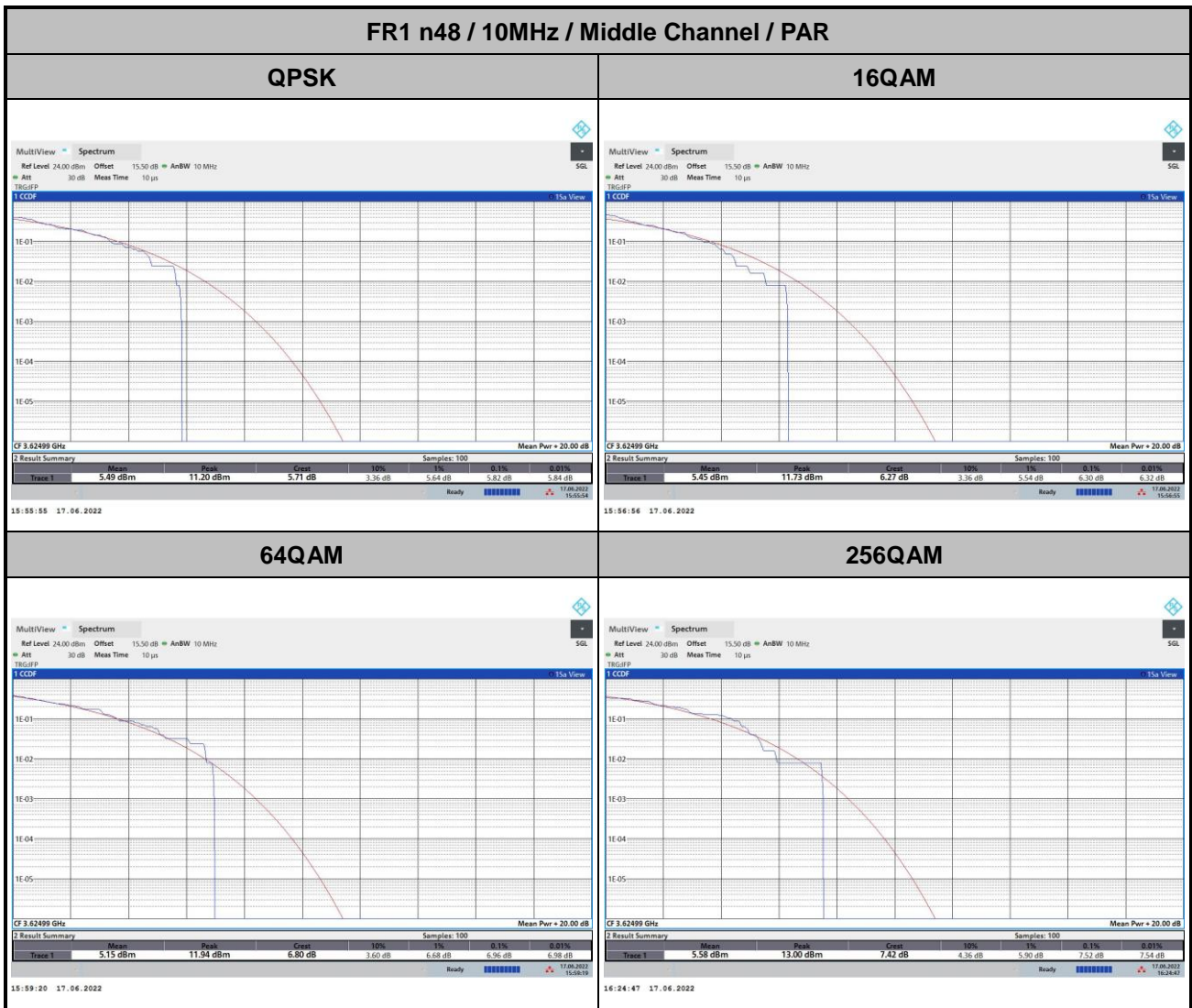


16:42:52 06.06.2022



Peak-to-Average Ratio

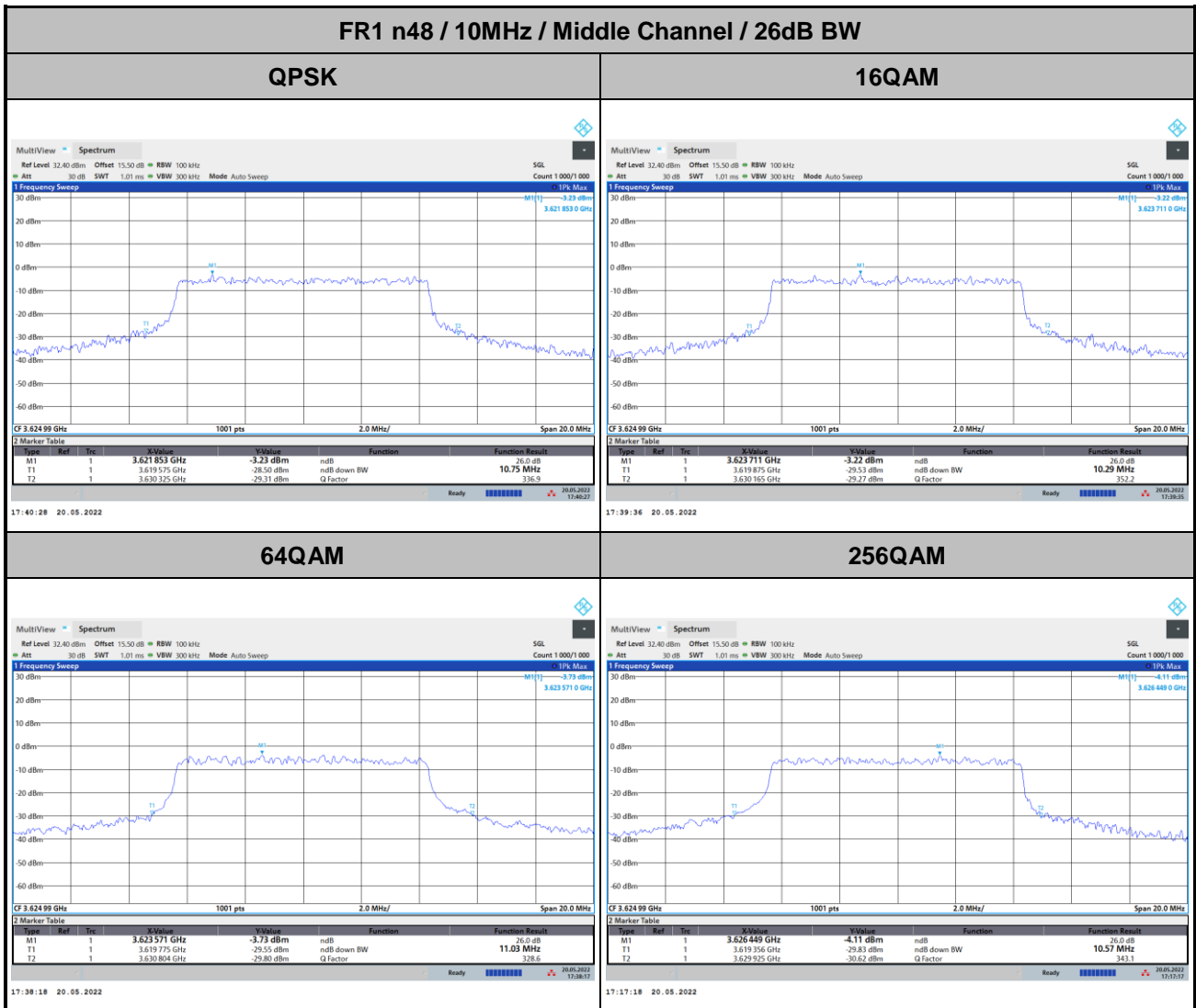
Mode	FR1 n48 / 10MHz / PAR (dB)				Limit: 13dB
Mod.	QPSK	16QAM	64QAM	256QAM	Result
Middle CH	5.82	6.30	6.96	7.52	PASS





26dB Bandwidth

Mode	FR1 n48 : 26dB BW(MHz)							
BW	10MHz		20MHz		40MHz		50MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	10.75	10.29	23.50	22.58	40.76	41.40	51.75	52.05
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	11.03	10.57	22.38	22.90	40.92	41.16	52.55	52.45
BW	60MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	66.53	70.49	85.99	89.51	92.25	92.07	101.50	101.90
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	68.45	69.17	92.39	86.63	92.61	92.61	101.30	101.10

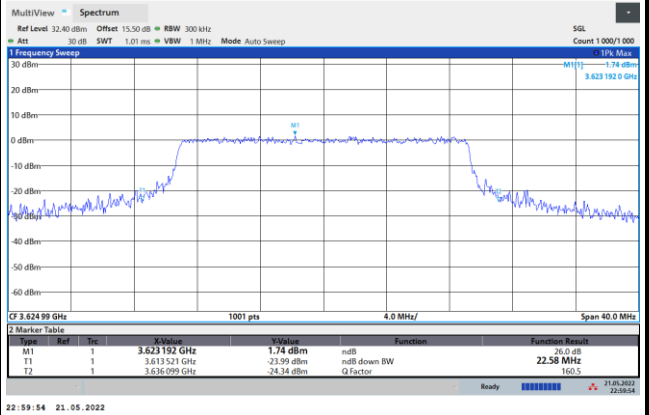
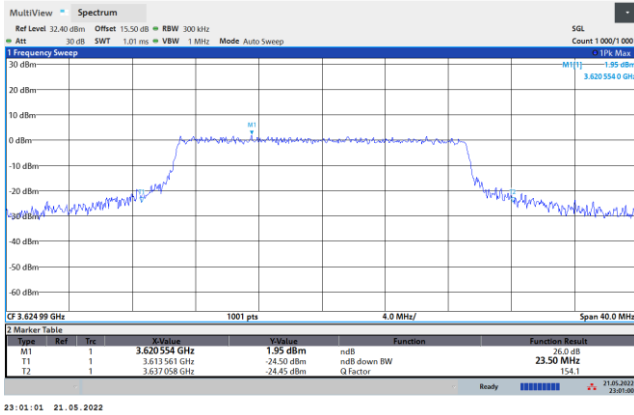




FR1 n48 / 20MHz / Middle Channel / 26dB BW

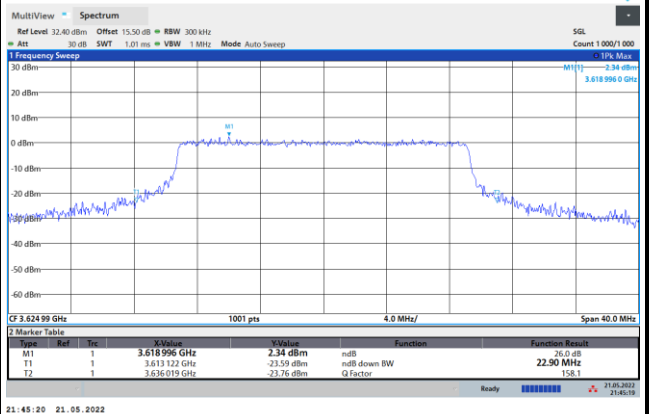
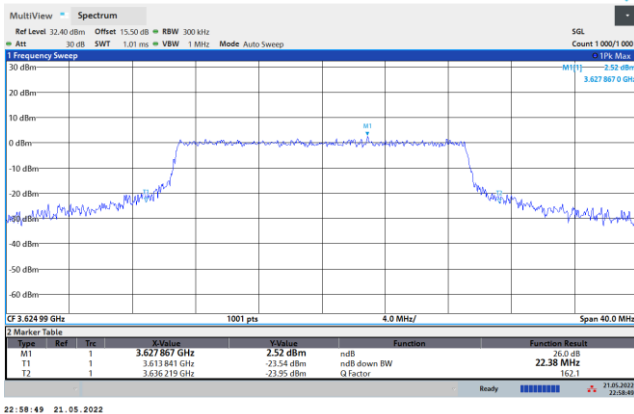
QPSK

16QAM



64QAM

256QAM

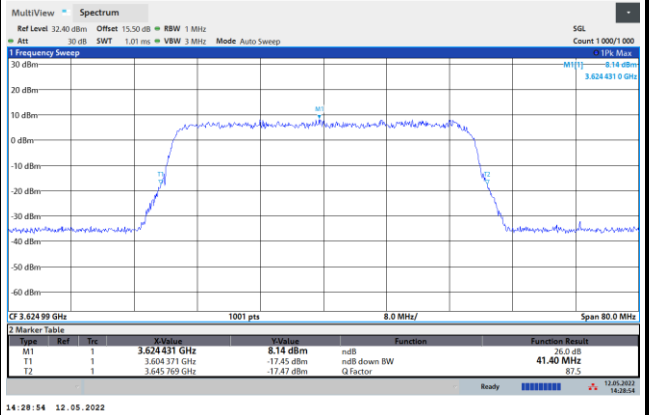
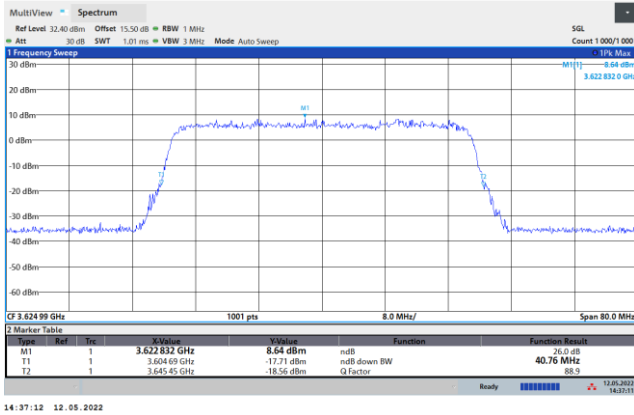




FR1 n48 / 40MHz / Middle Channel / 26dB BW

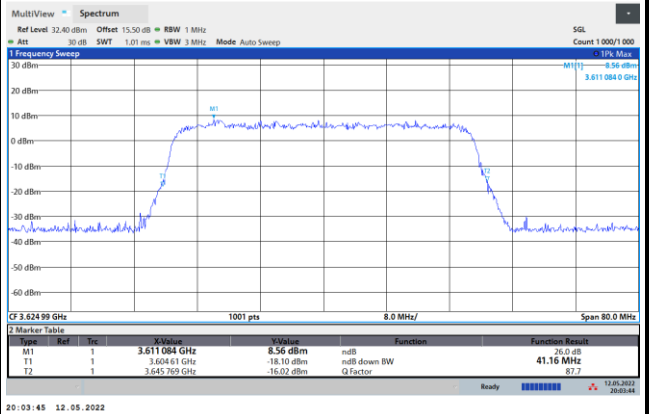
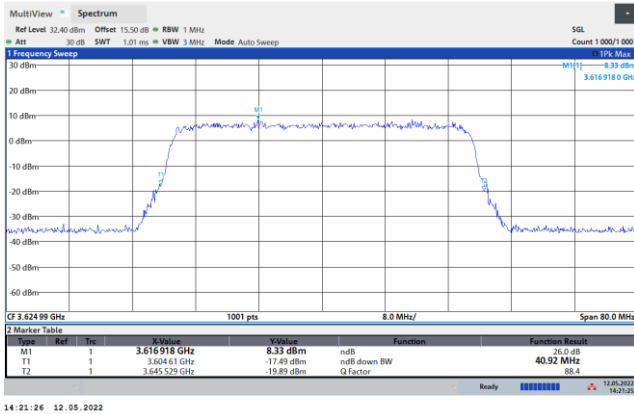
QPSK

16QAM



64QAM

256QAM

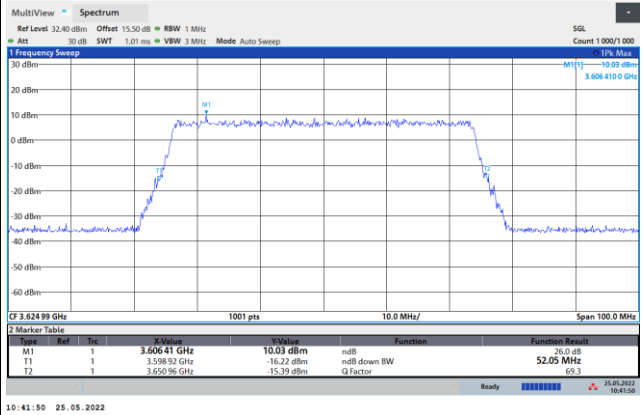
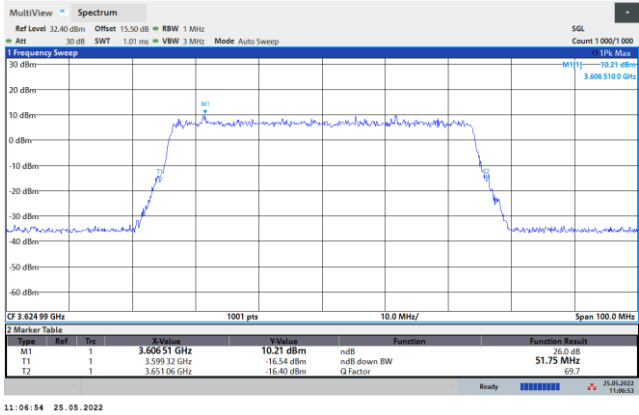




FR1 n48 / 50MHz / Middle Channel / 26dB BW

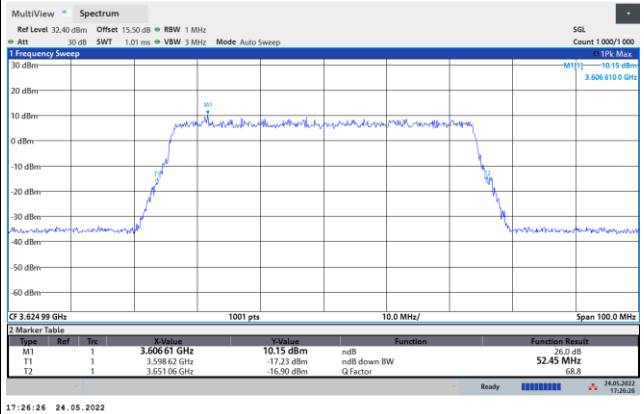
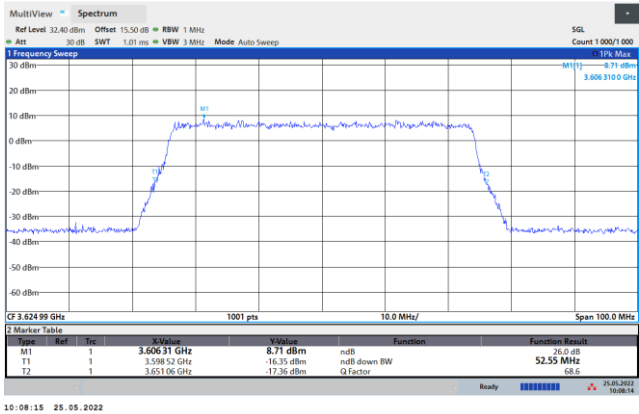
QPSK

16QAM



64QAM

256QAM

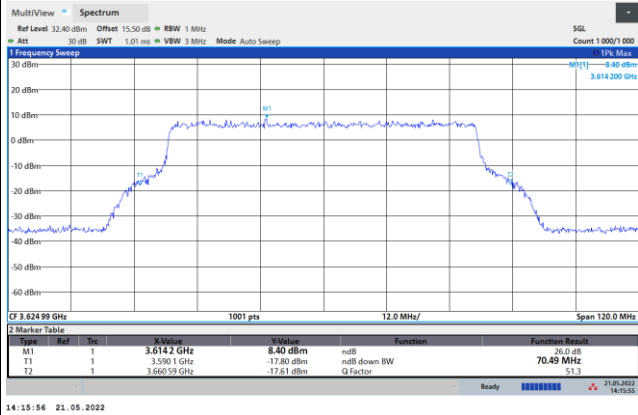
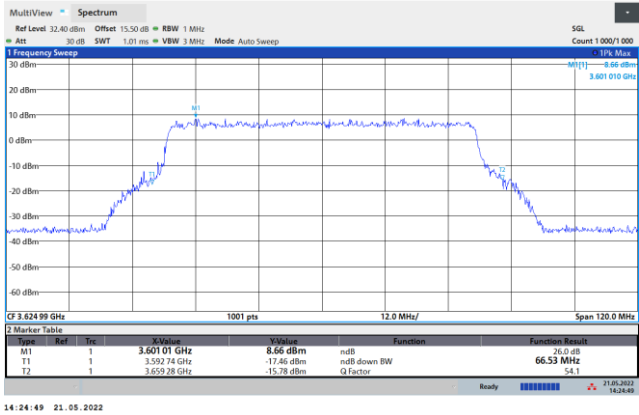




FR1 n48 / 60MHz / Middle Channel / 26dB BW

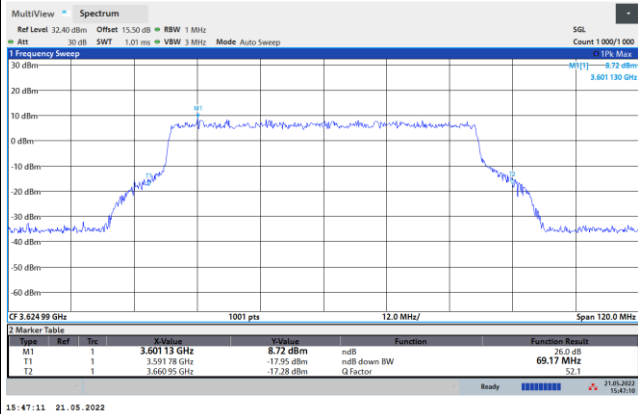
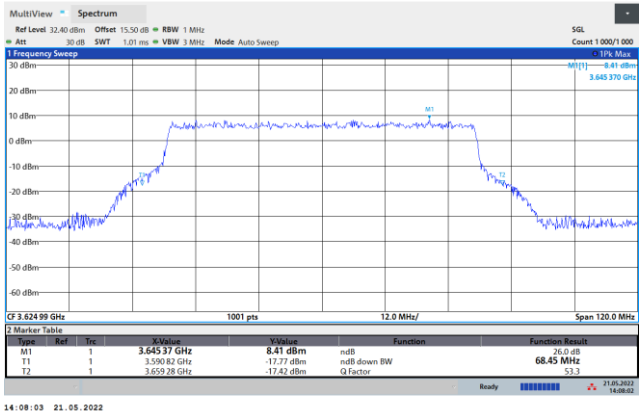
QPSK

16QAM



64QAM

256QAM

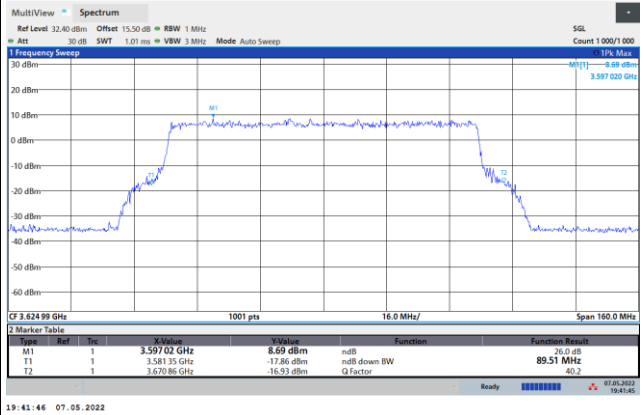
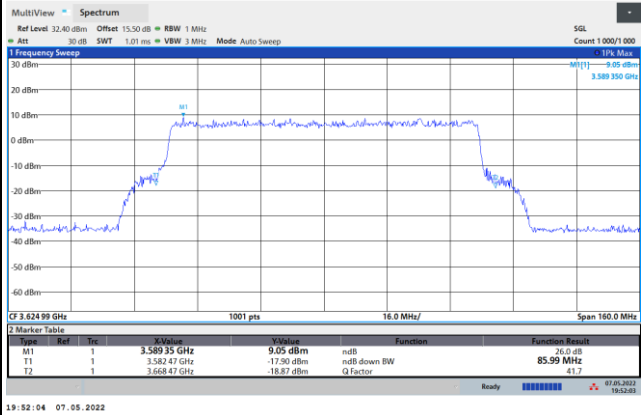




FR1 n48 / 80MHz / Middle Channel / 26dB BW

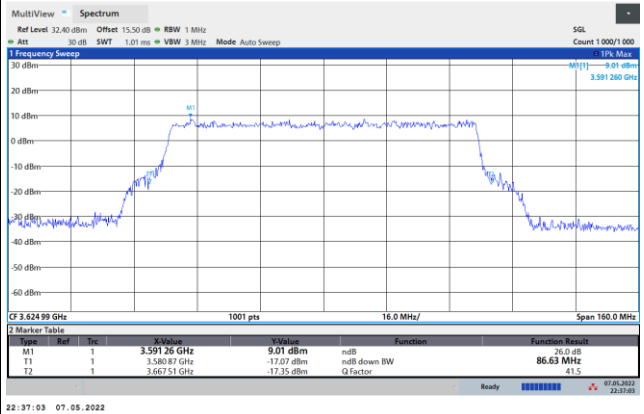
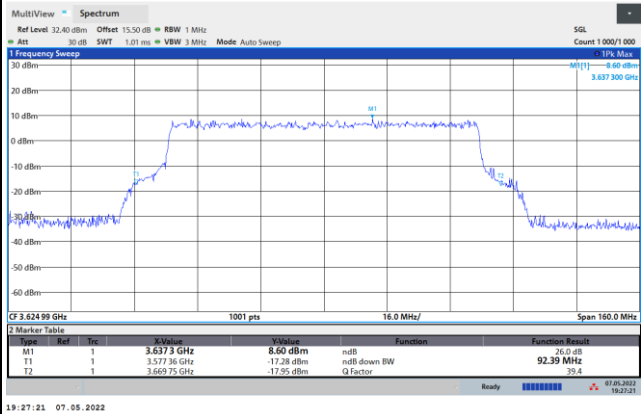
QPSK

16QAM



64QAM

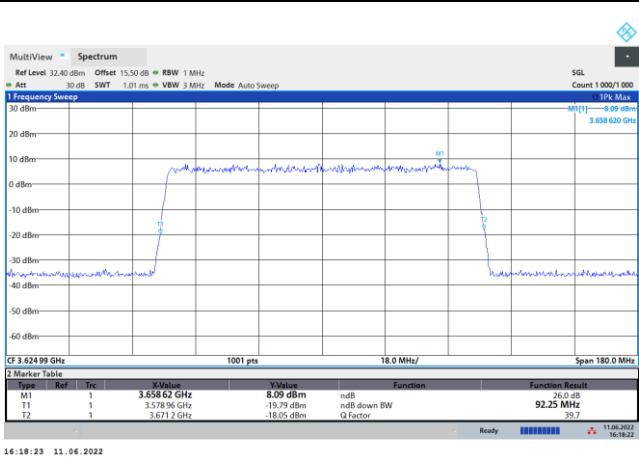
256QAM



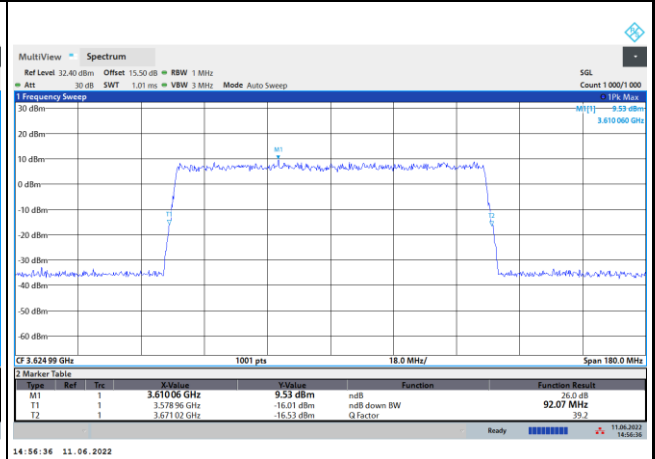


FR1 n48 / 90MHz / Middle Channel / 26dB BW

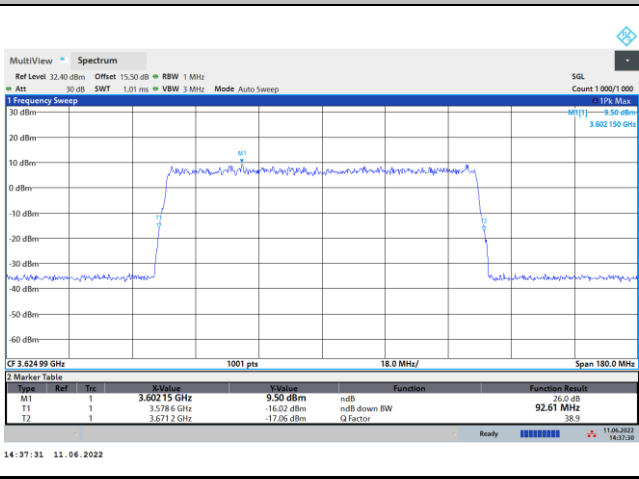
QPSK



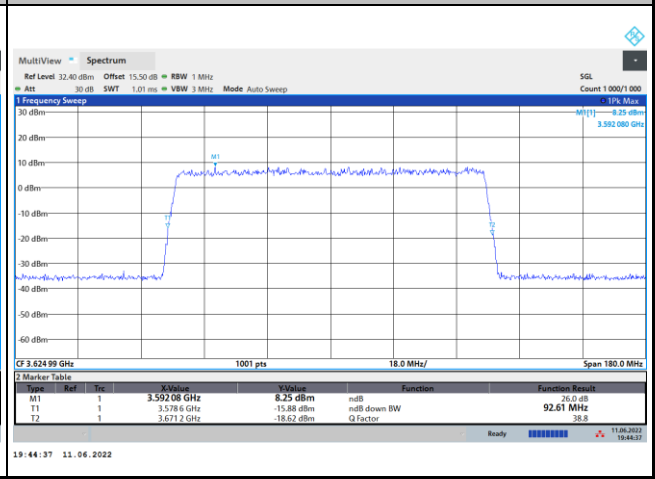
16QAM



64QAM



256QAM

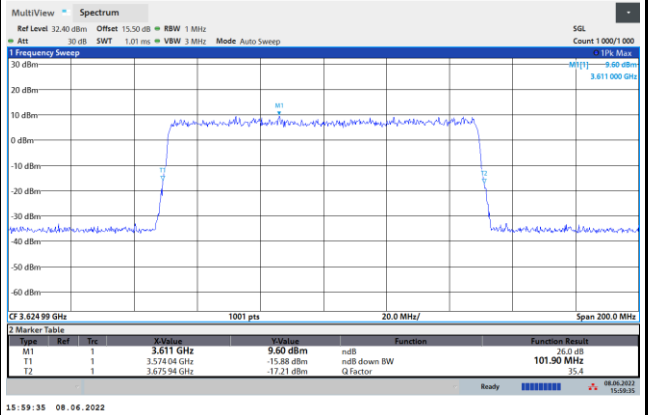
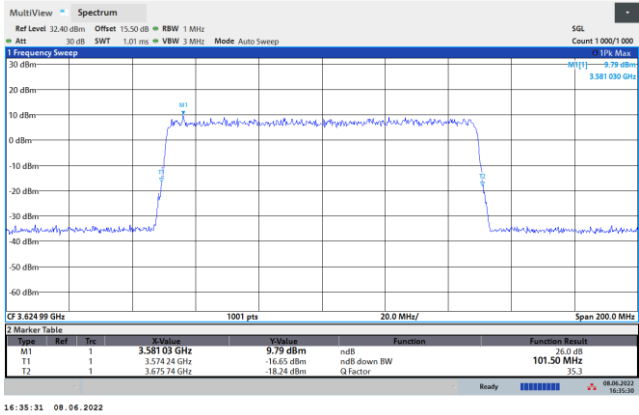




FR1 n48 / 100MHz / Middle Channel / 26dB BW

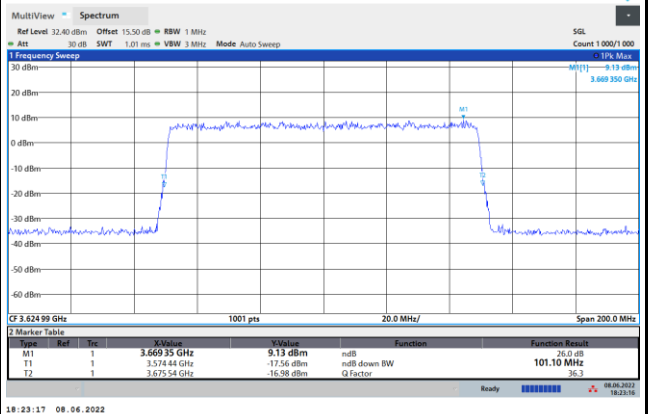
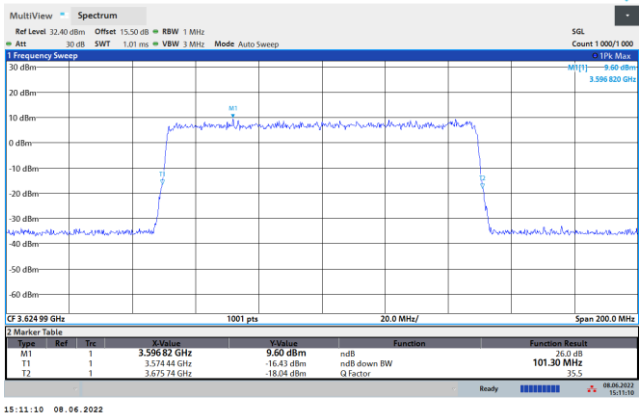
QPSK

16QAM



64QAM

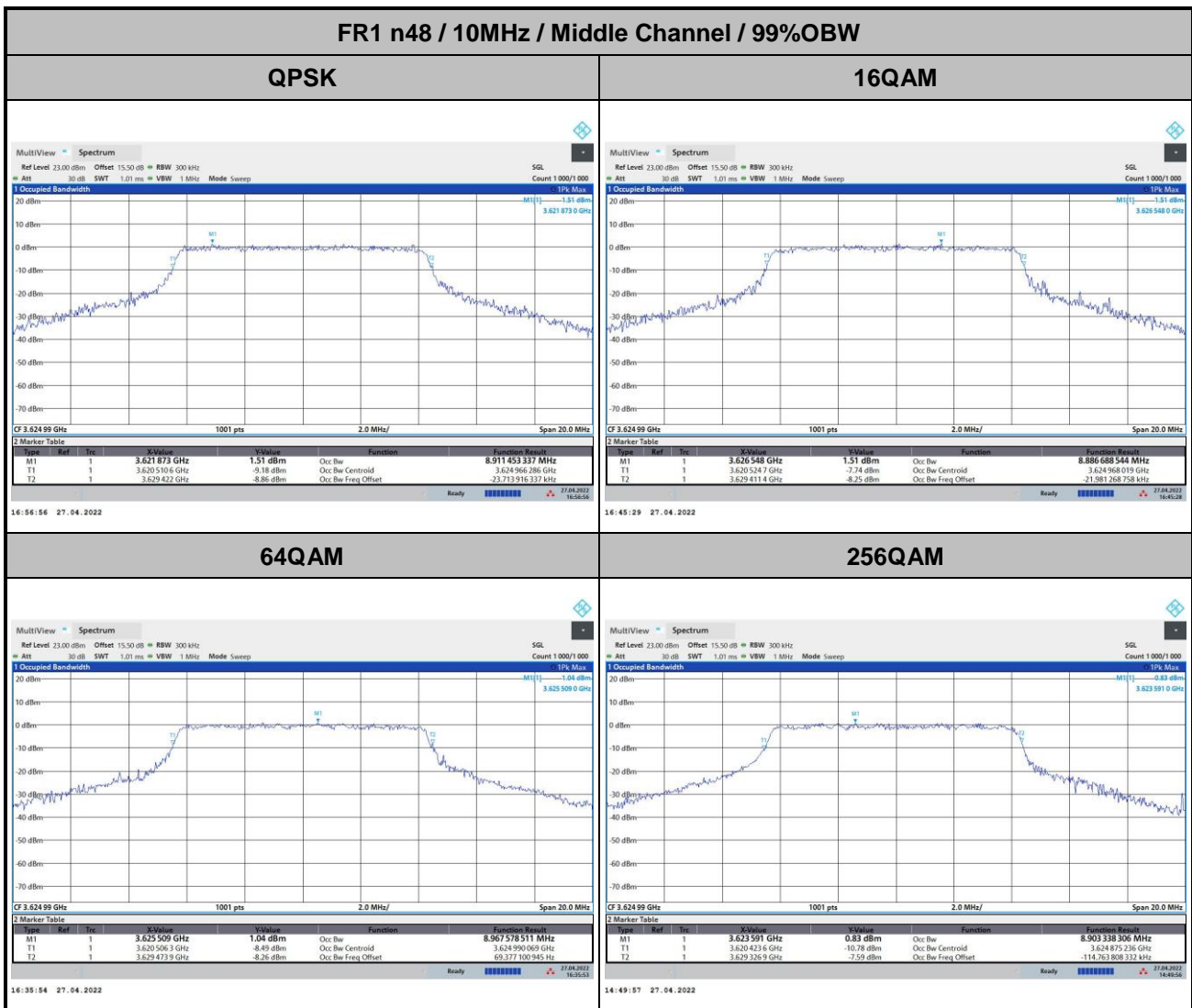
256QAM





Occupied Bandwidth

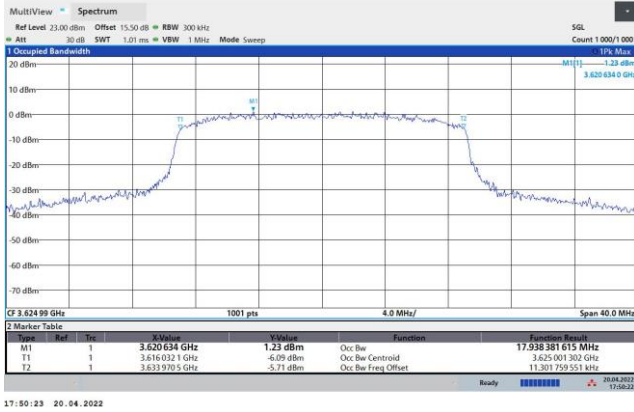
Mode	FR1 n48 : 99%OBW (MHz)							
	10MHz		20MHz		40MHz		50MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	8.91	8.88	17.93	17.98	37.47	37.54	47.39	47.62
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	8.96	8.90	17.95	18.01	37.46	37.51	47.46	47.56
BW	60MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	58.07	58.18	77.53	77.68	87.43	87.43	96.92	96.87
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	58.17	58.17	77.75	77.76	87.34	87.52	96.97	96.81



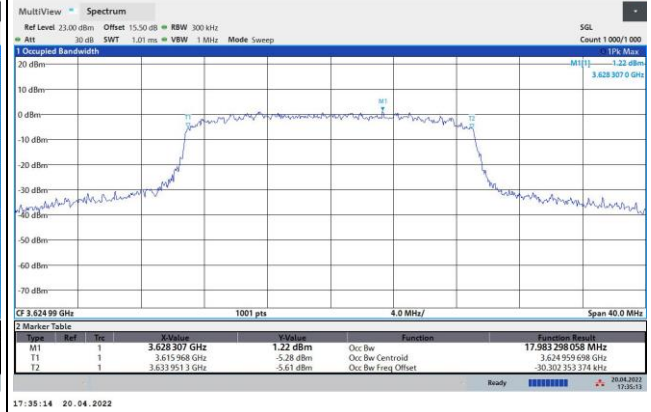


FR1 n48 / 20MHz / Middle Channel / 99%OBW

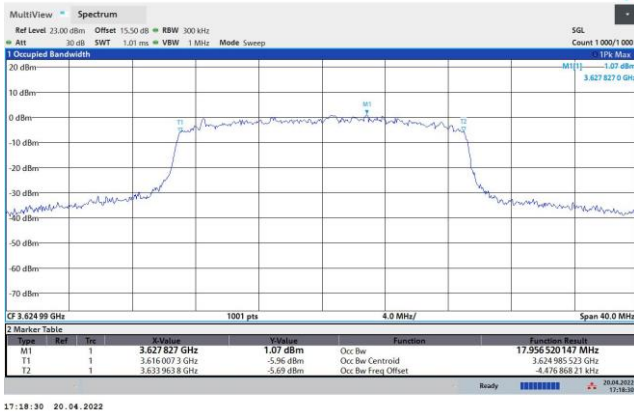
QPSK



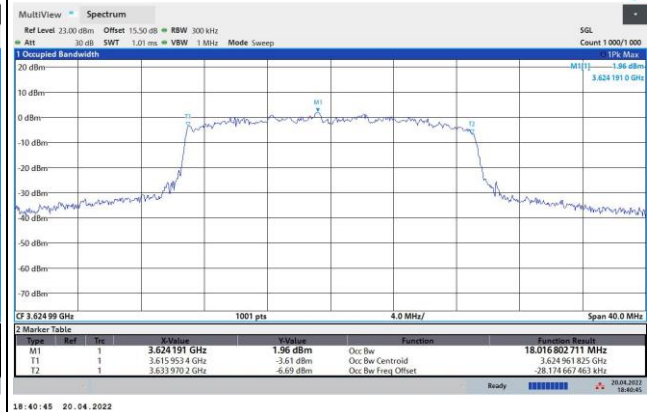
16QAM



64QAM



256QAM

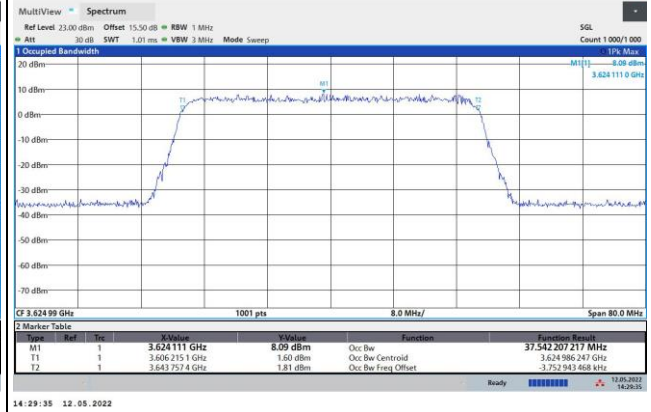
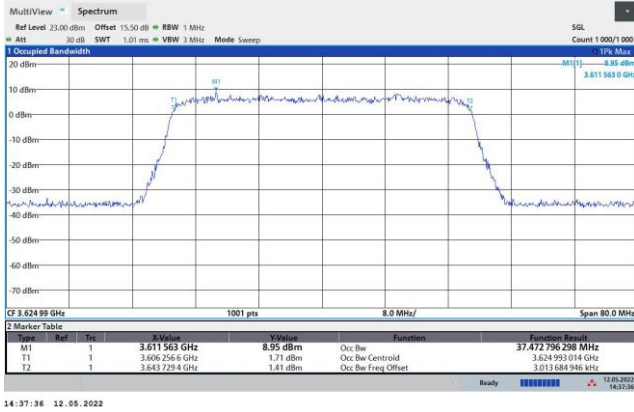




FR1 n48 / 40MHz / Middle Channel / 99%OBW

QPSK

16QAM



64QAM

256QAM

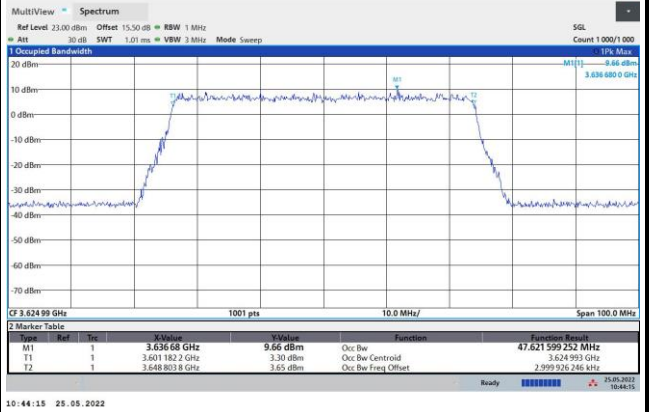
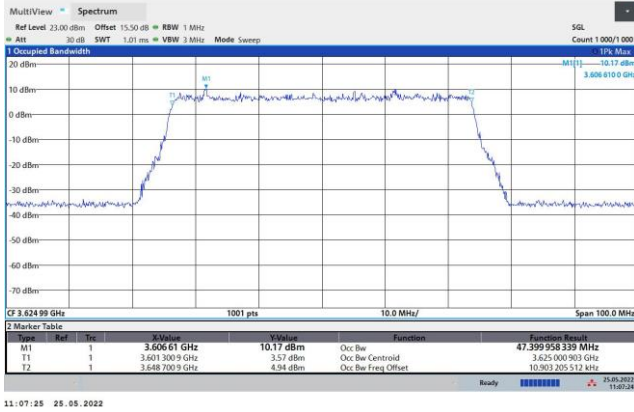




FR1 n48 / 50MHz / Middle Channel / 99%OBW

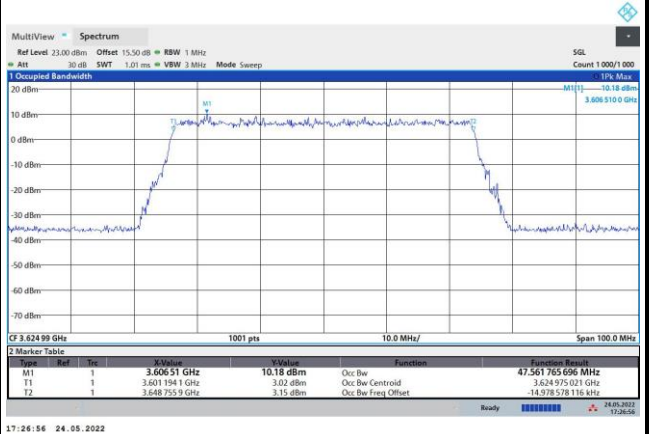
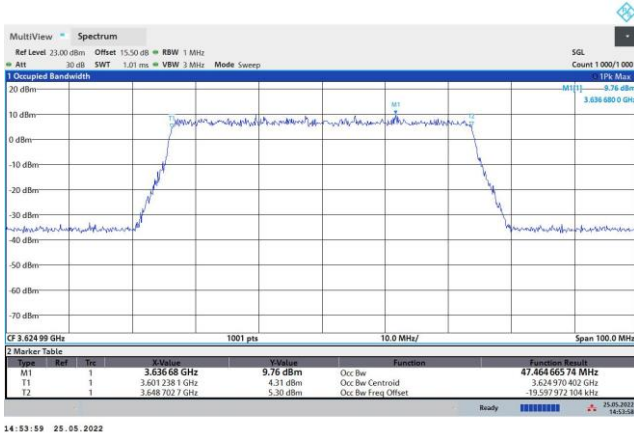
QPSK

16QAM



64QAM

256QAM

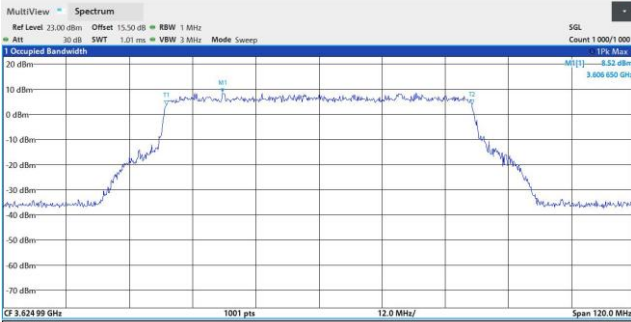




FR1 n48 / 60MHz / Middle Channel / 99%OBW

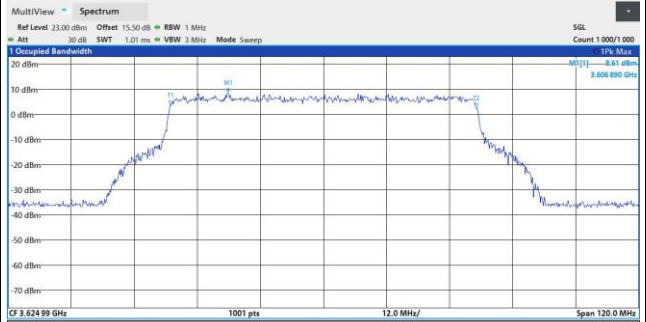
QPSK

16QAM



Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		3.606 65 GHz	8.52 dBm	Occ Bw	58.077 539 541 MHz
T1	1		3.595 979 GHz	3.63 dBm	Occ Bw Centroid	3.625 018 086 GHz
T2	1		3.654 057 GHz	3.82 dBm	Occ Bw Freq Offset	28.085 909 925 kHz

14:25:29 21.05.2022

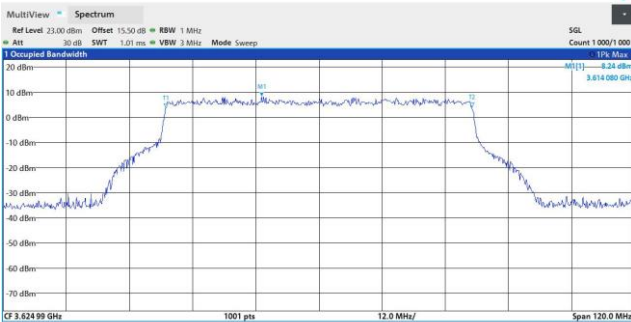


Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		3.606 89 GHz	8.61 dBm	Occ Bw	58.185 634 243 MHz
T1	1		3.595 888 GHz	3.58 dBm	Occ Bw Centroid	3.624 981 187 GHz
T2	1		3.654 074 GHz	3.38 dBm	Occ Bw Freq Offset	8.813 436 043 kHz

14:16:24 21.05.2022

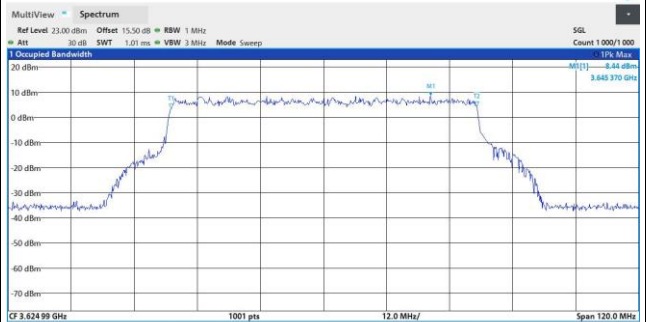
64QAM

256QAM



Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		3.614 08 GHz	8.24 dBm	Occ Bw	58.175 059 821 MHz
T1	1		3.595 886 GHz	3.77 dBm	Occ Bw Centroid	3.624 973 32 GHz
T2	1		3.654 061 GHz	4.11 dBm	Occ Bw Freq Offset	-16.679 796 044 kHz

14:08:34 21.05.2022



Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		3.645 37 GHz	8.44 dBm	Occ Bw	58.171 479 977 MHz
T1	1		3.595 988 GHz	3.48 dBm	Occ Bw Centroid	3.625 073 309 GHz
T2	1		3.654 159 GHz	4.52 dBm	Occ Bw Freq Offset	83.308 865 789 kHz

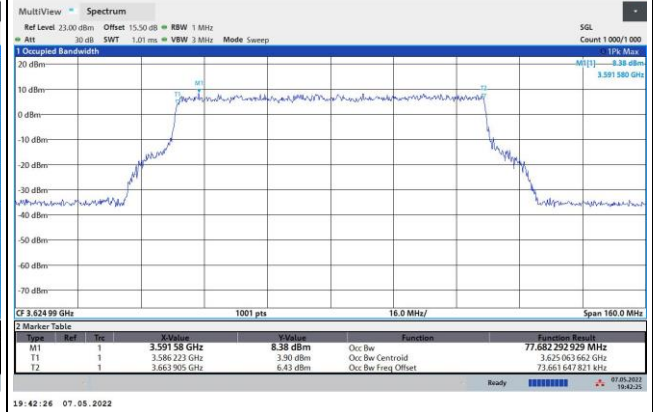
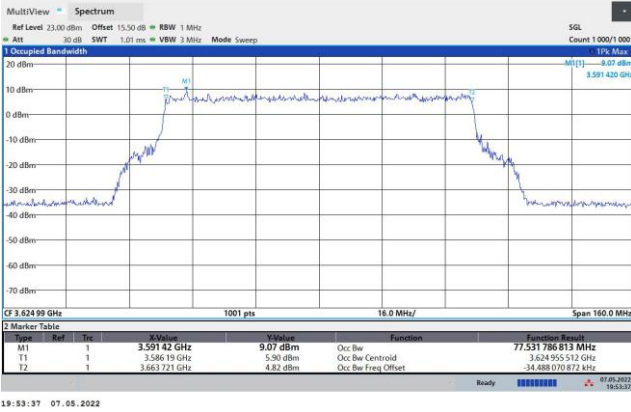
15:47:42 21.05.2022



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

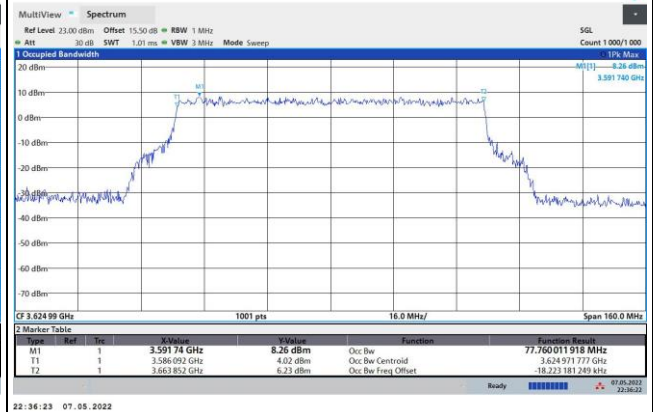
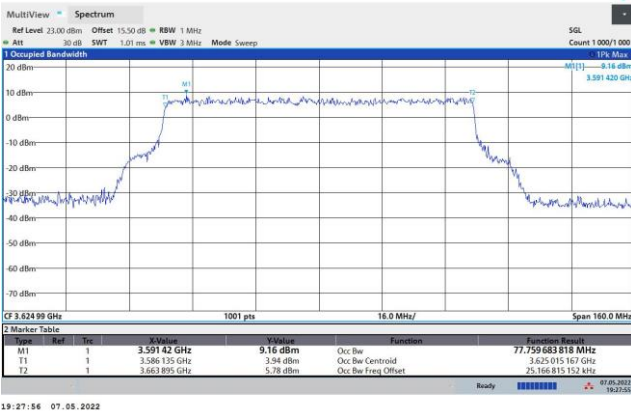
QPSK

16QAM



64QAM

256QAM

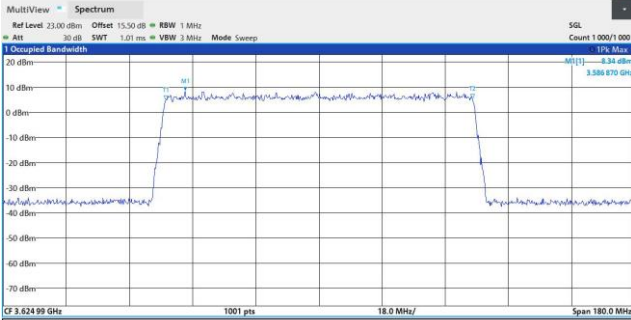




FR1 n48 / 90MHz / Middle Channel / 99%OBW

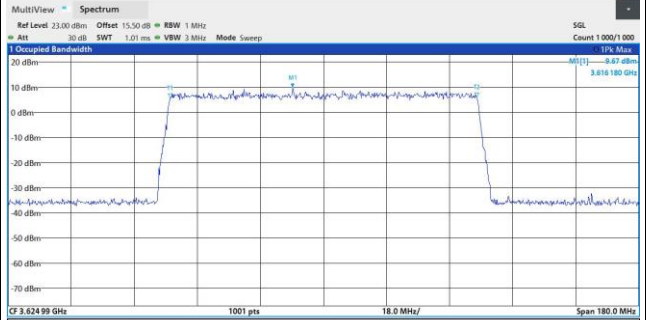
QPSK

16QAM



Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		3.58687 GHz	-8.34 dBm	Occ Bw	87.436714952 MHz
T1	1		3.581315 GHz	4.80 dBm	Occ Bw Centroid	3.625032895 GHz
T2	1		3.668751 GHz	5.42 dBm	Occ Bw Freq Offset	42.894984108 kHz

14:20:41 11.06.2022

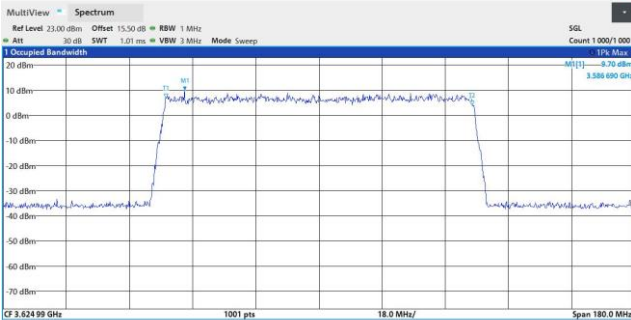


Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		3.61618 GHz	-9.67 dBm	Occ Bw	87.432104303 MHz
T1	1		3.581284 GHz	5.63 dBm	Occ Bw Centroid	3.624999845 GHz
T2	1		3.668716 GHz	6.13 dBm	Occ Bw Freq Offset	9.845345829 kHz

14:57:08 11.06.2022

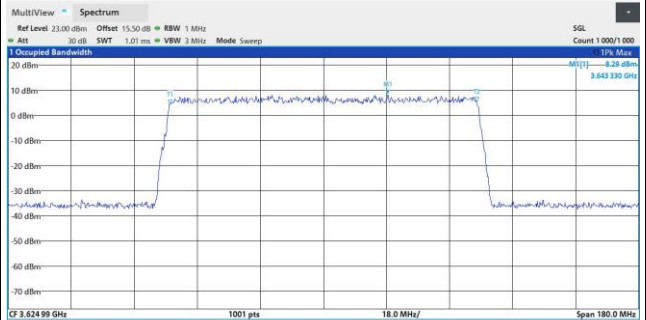
64QAM

256QAM



Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		3.58669 GHz	-9.70 dBm	Occ Bw	87.347648897 MHz
T1	1		3.58132 GHz	6.82 dBm	Occ Bw Centroid	3.624994297 GHz
T2	1		3.668668 GHz	3.90 dBm	Occ Bw Freq Offset	4.297181377 kHz

14:38:04 11.06.2022



Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		3.64333 GHz	-8.29 dBm	Occ Bw	87.528532002 MHz
T1	1		3.58124 GHz	4.24 dBm	Occ Bw Centroid	3.625004089 GHz
T2	1		3.668768 GHz	5.36 dBm	Occ Bw Freq Offset	14.089387554 kHz

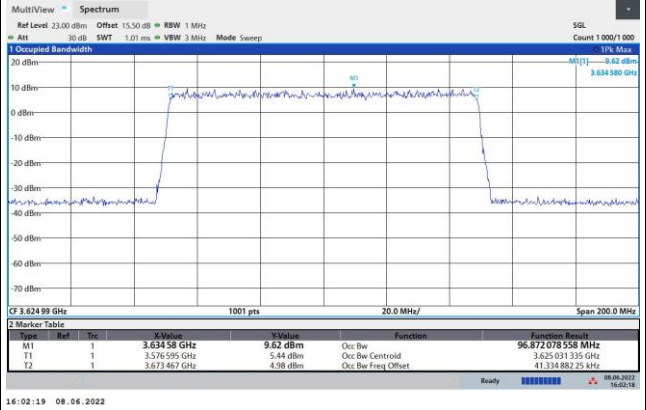
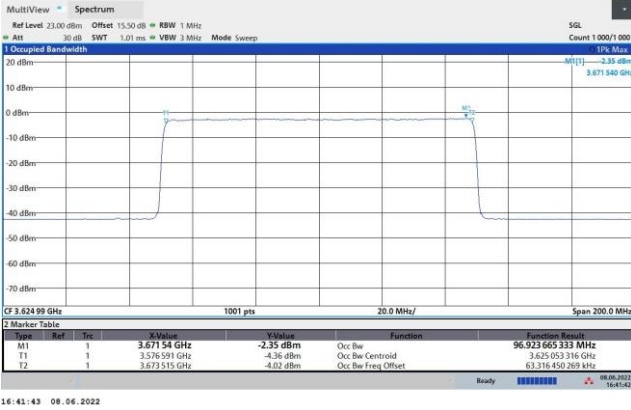
19:45:08 11.06.2022



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

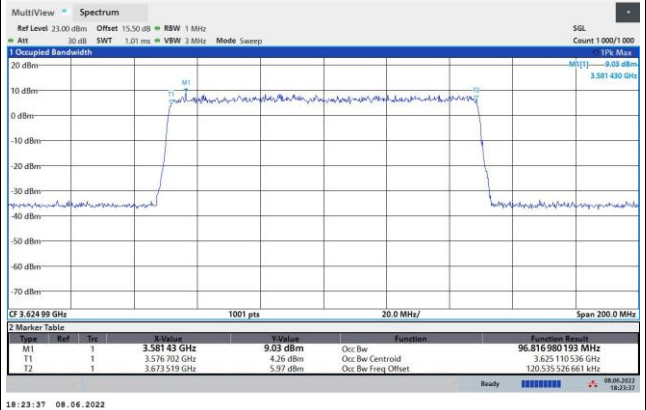
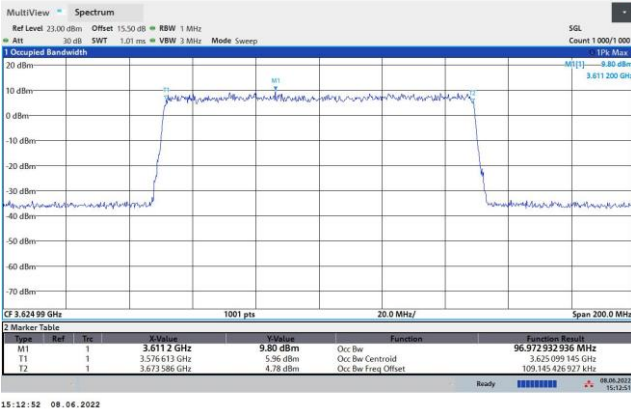
QPSK

16QAM



64QAM

256QAM



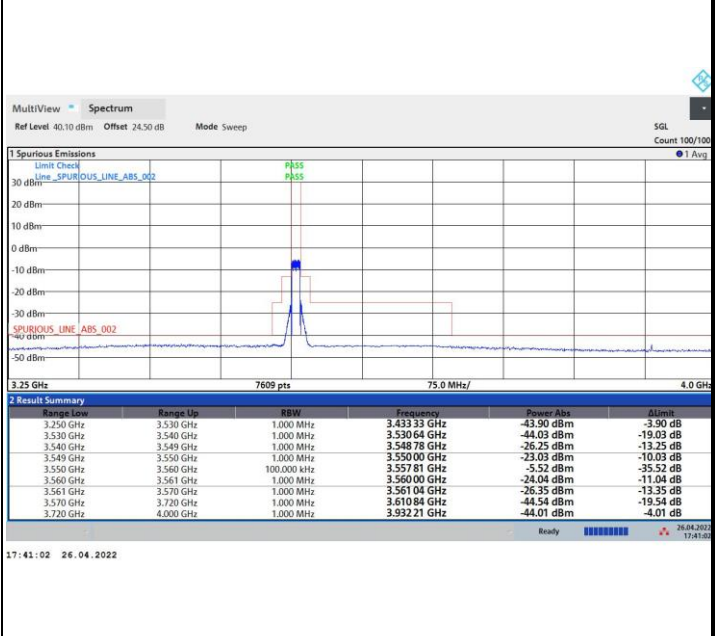
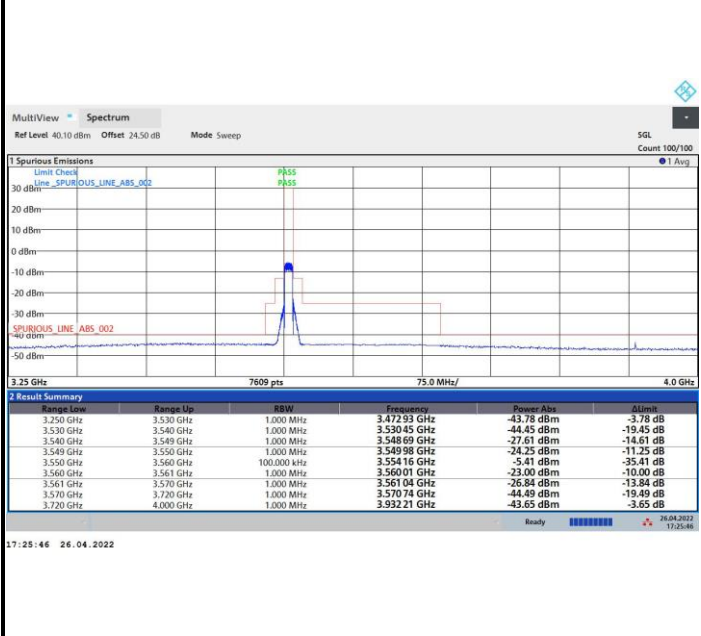


Unwanted Emission (MASK)

FR1 n48 / 10MHz / Lowest Channel / MASK

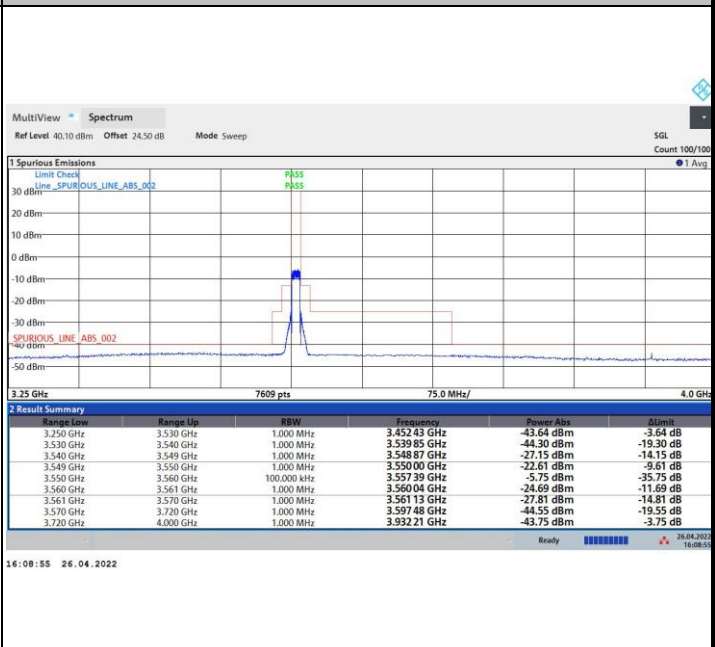
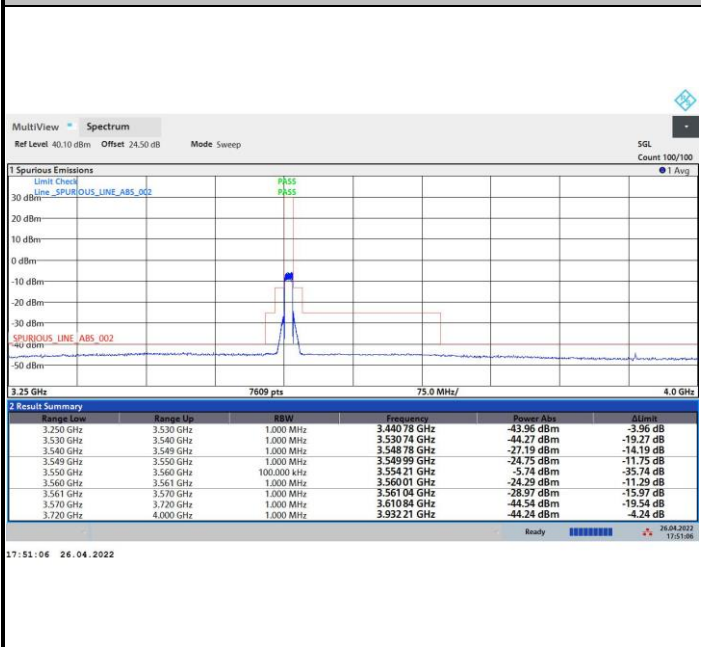
QPSK

16QAM



64QAM

256QAM

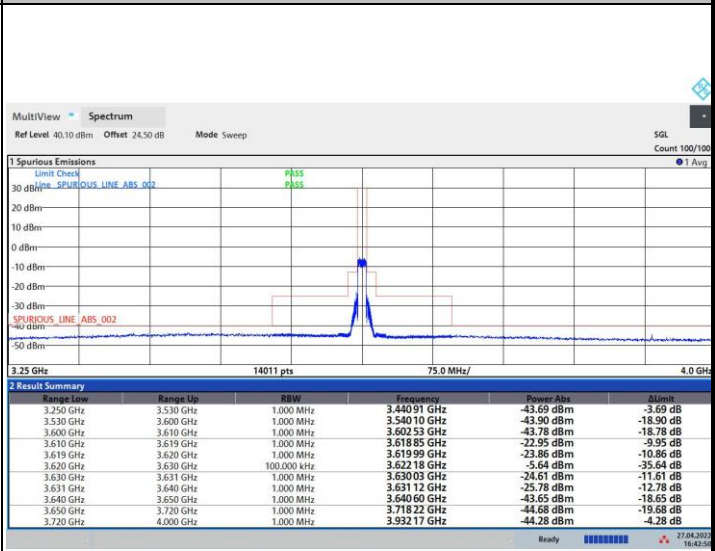
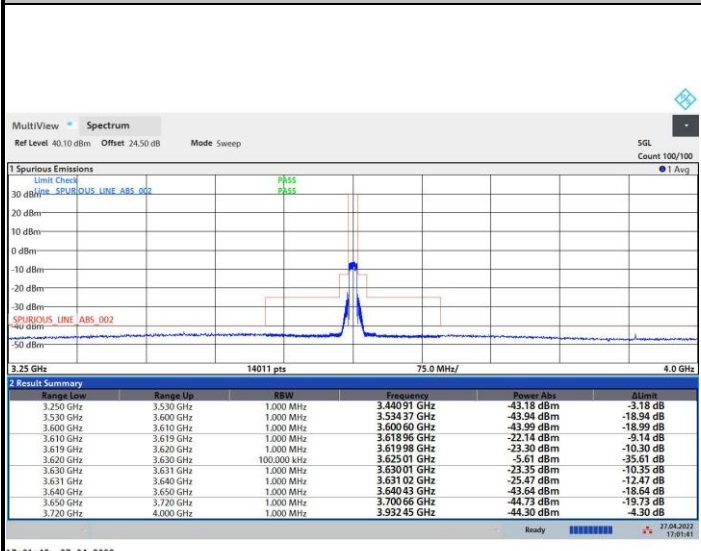




FR1 n48 / 10MHz / Middle Channel / MASK

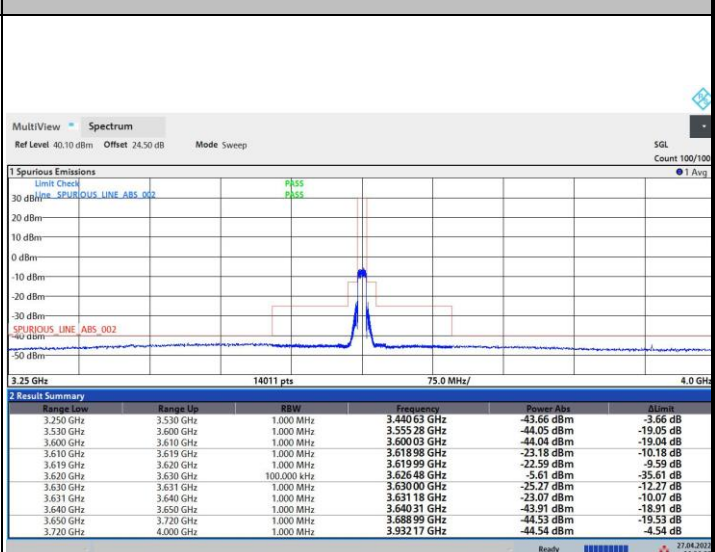
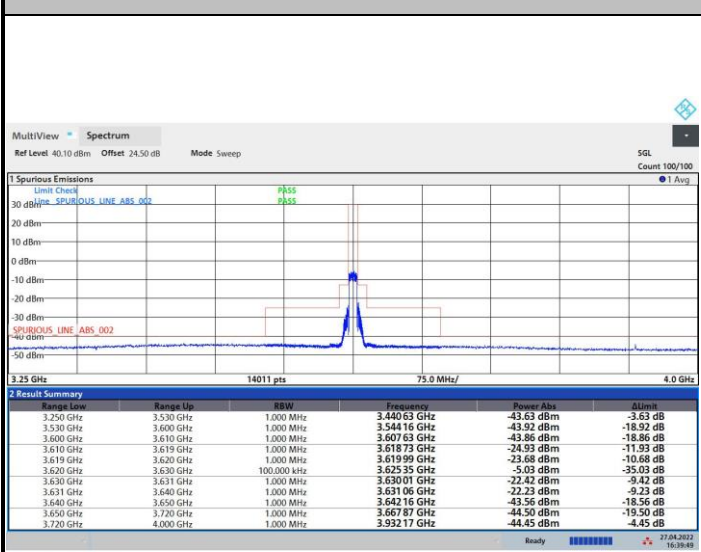
QPSK

16QAM



64QAM

256QAM

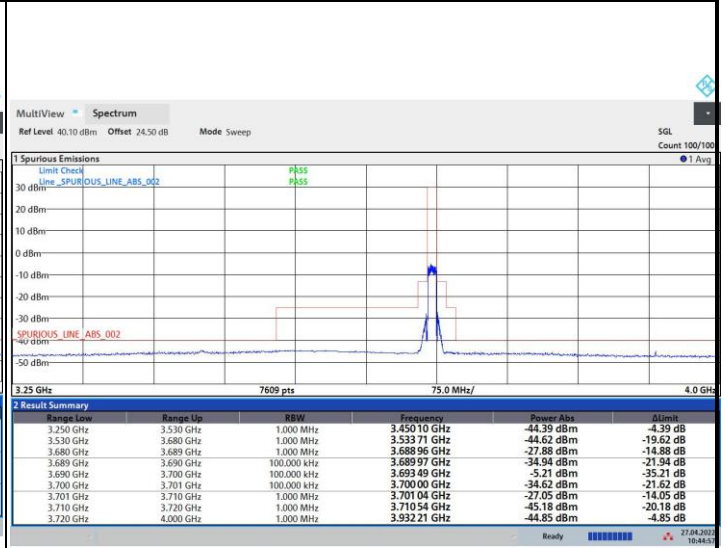
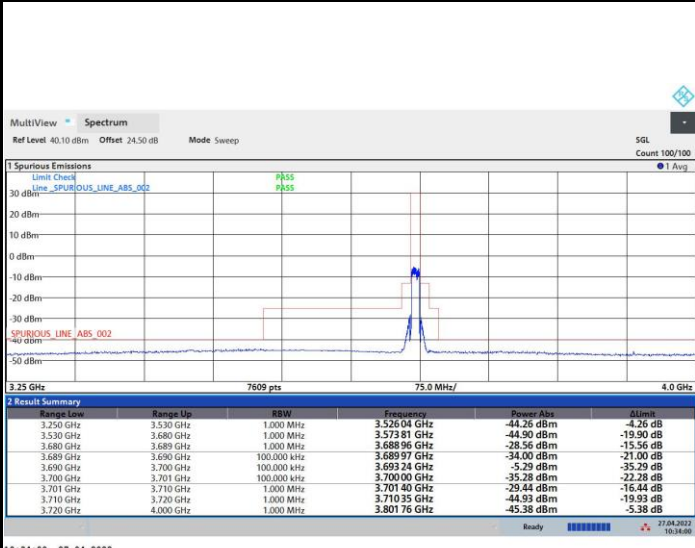




FR1 n48 / 10MHz / Highest Channel / MASK

QPSK

16QAM

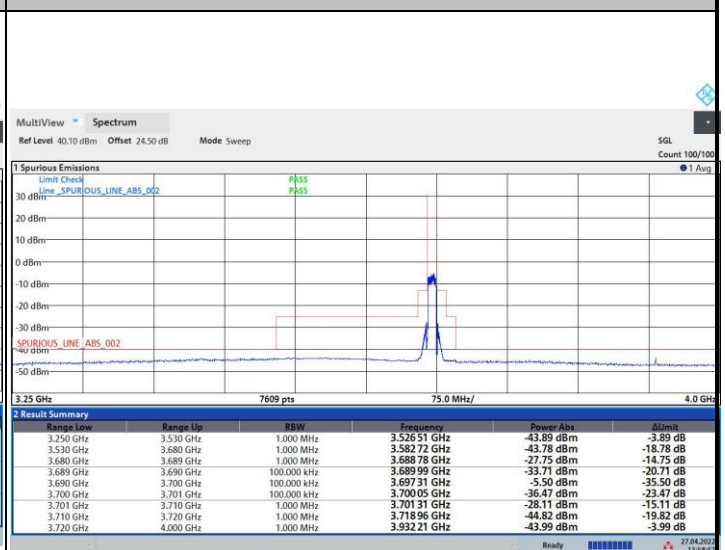
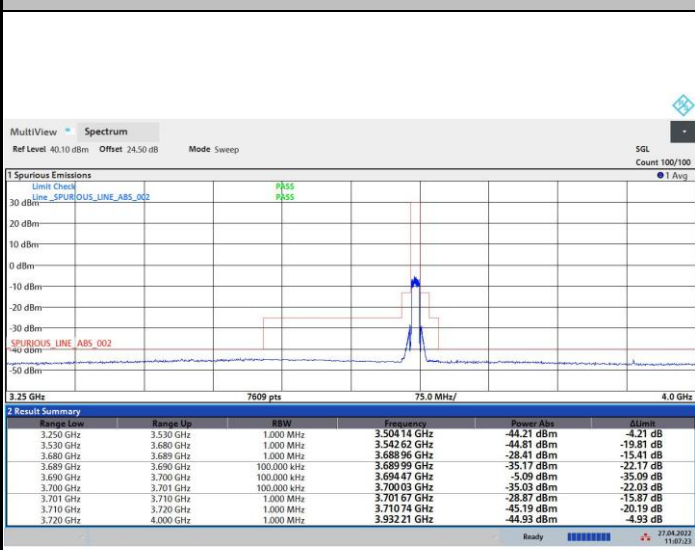


10:34:00 27.04.2022

10:44:57 27.04.2022

64QAM

256QAM



11:07:23 27.04.2022

13:58:58 27.04.2022