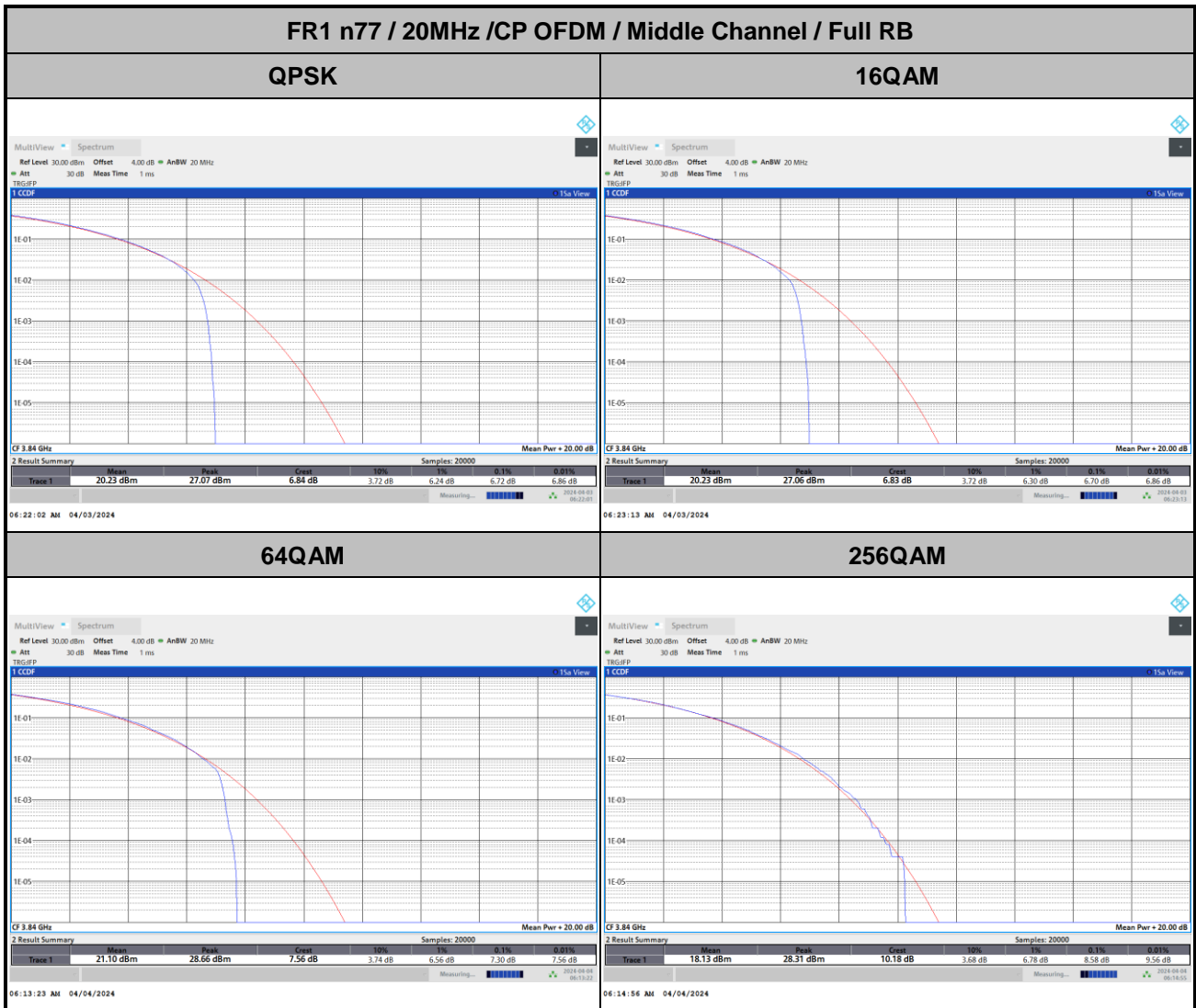




FR1 n77(Part 270) MIMO ANT9

Peak-to-Average Ratio

Mode	FR1 n77 / 20MHz / CP OFDM				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	6.72	6.70	7.30	8.58	PASS





26dB Bandwidth

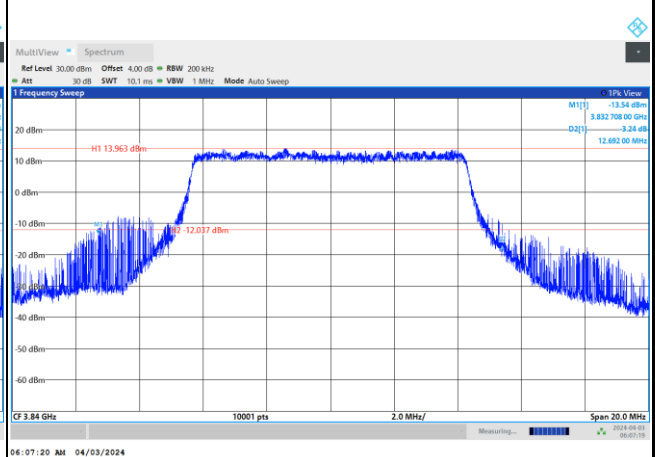
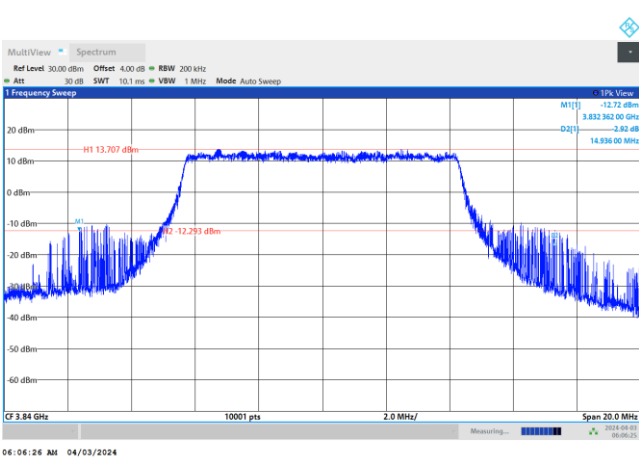
Mode	FR1 n77 : 26dB BW(MHz) / CP OFDM							
BW	10MHz		15MHz		20MHz		30MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	14.94	12.69	20.40	19.10	25.34	26.41	33.49	35.99
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	12.45	14.71	18.92	19.43	23.47	24.57	36.38	36.97
BW	40MHz		50MHz		60MHz		70MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	47.54	47.11	54.02	52.61	68.63	68.42	79.49	76.83
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	44.90	45.40	53.81	55.09	68.84	66.38	76.90	74.40
BW	80MHz		90MHz		100MHz			
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM		
Middle CH	84.08	85.57	99.90	97.25	106.78	102.98		
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM		
Middle CH	85.38	84.78	96.19	93.69	104.46	109.22		



FR1 n77 / 10MHz / CP OFDM / Middle Channel / Full RB

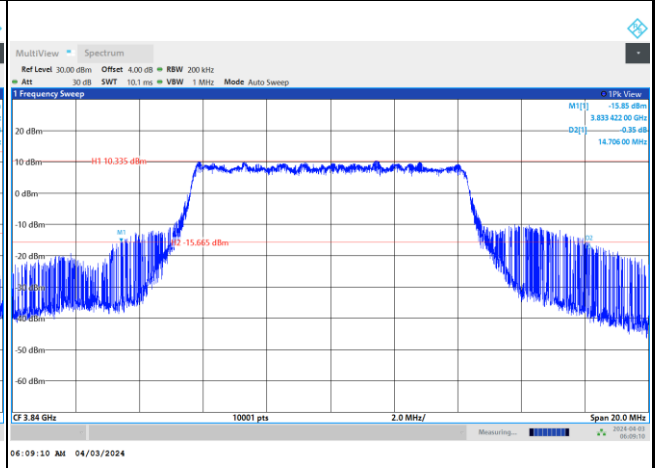
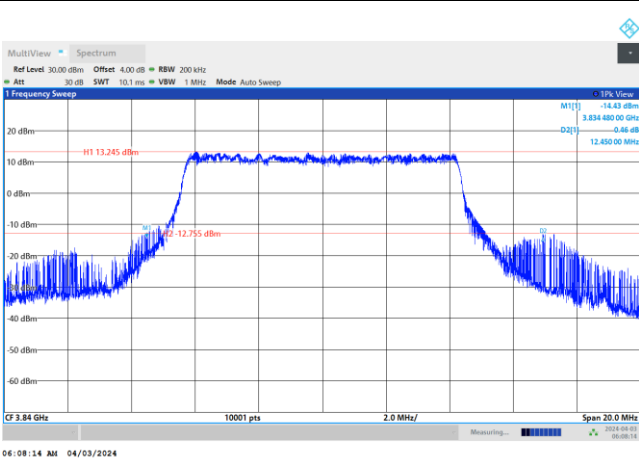
QPSK

16QAM



64QAM

256QAM

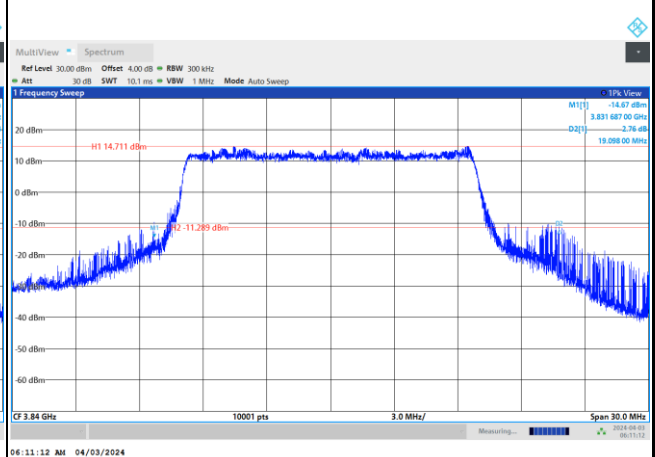
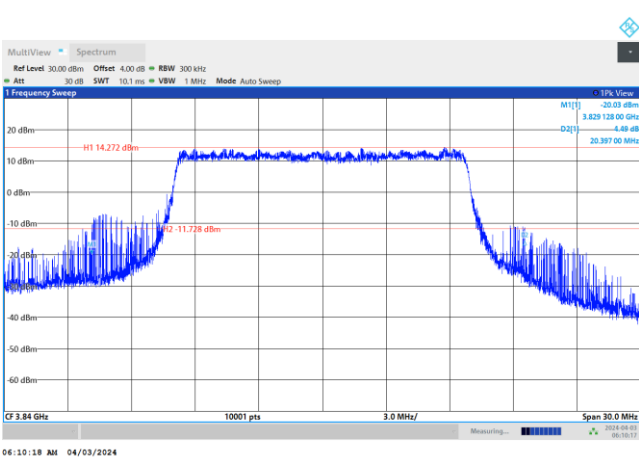




FR1 n77 / 15MHz / CP OFDM / Middle Channel / Full RB

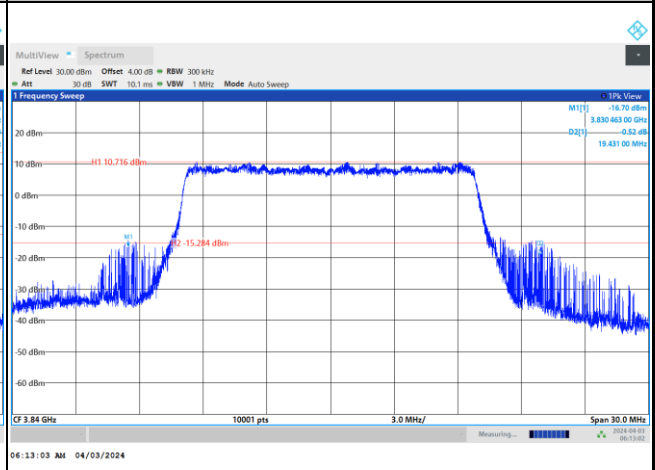
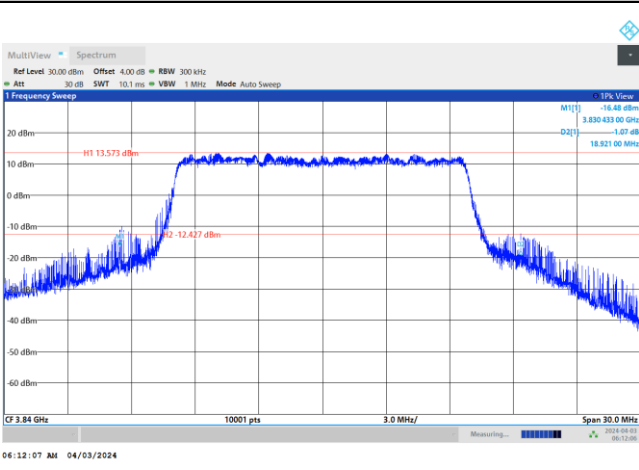
QPSK

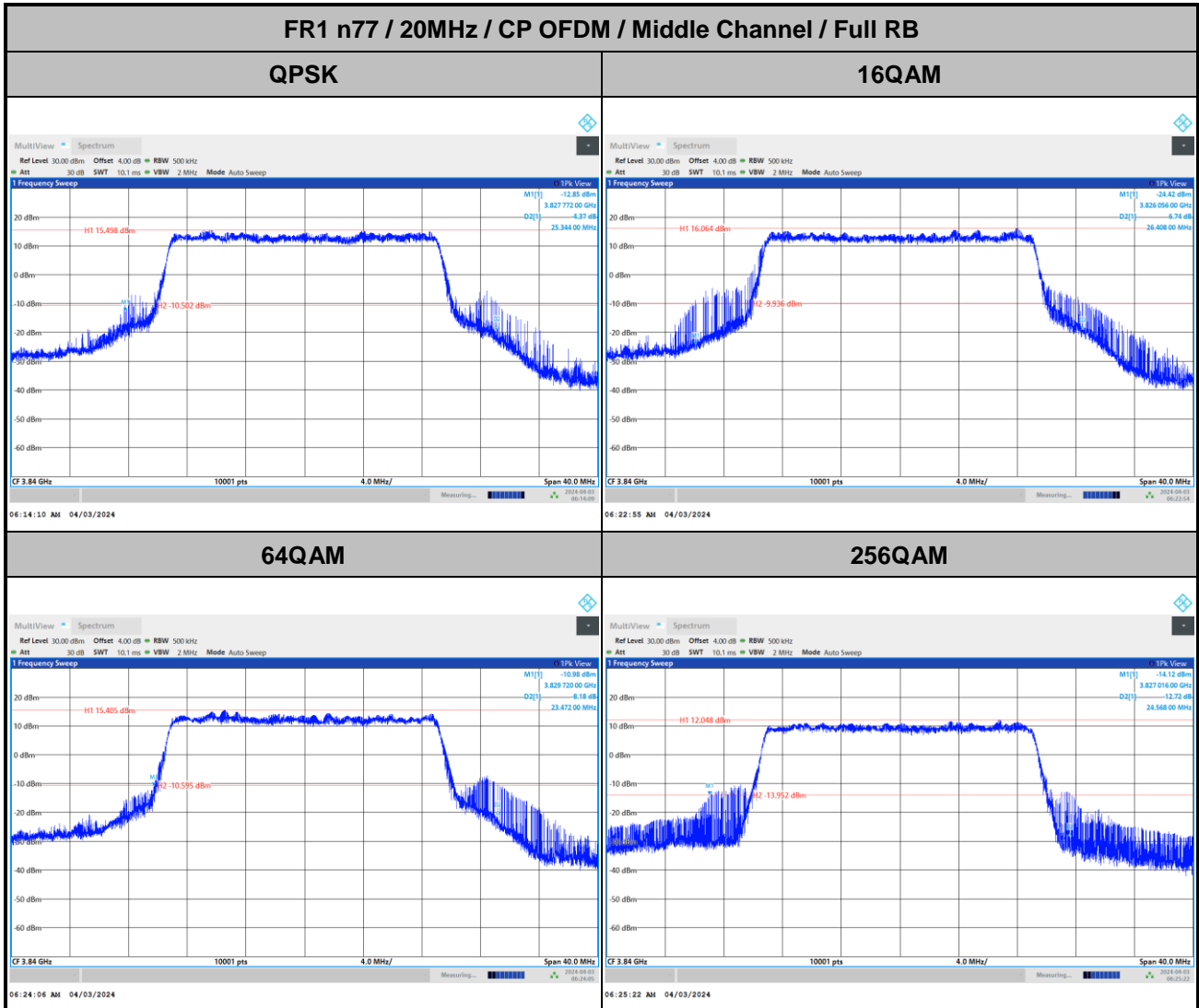
16QAM



64QAM

256QAM



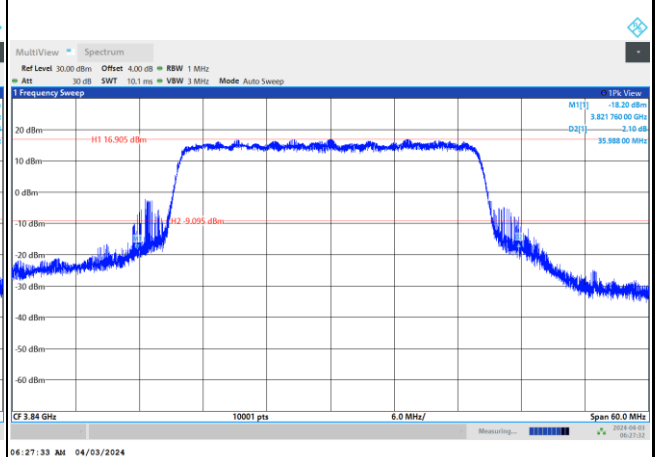
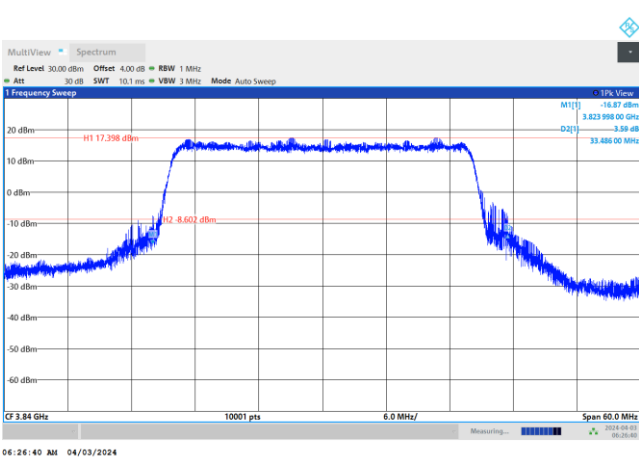




FR1 n77 / 30MHz / CP OFDM / Middle Channel / Full RB

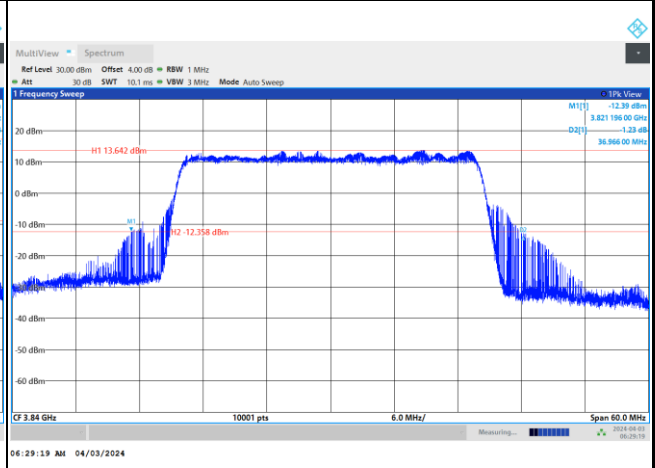
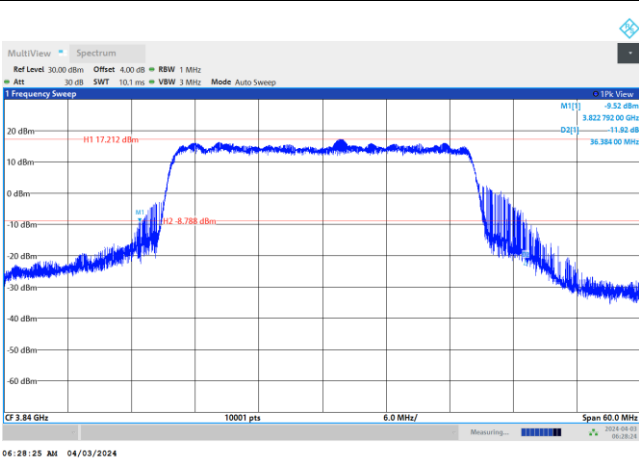
QPSK

16QAM



64QAM

256QAM

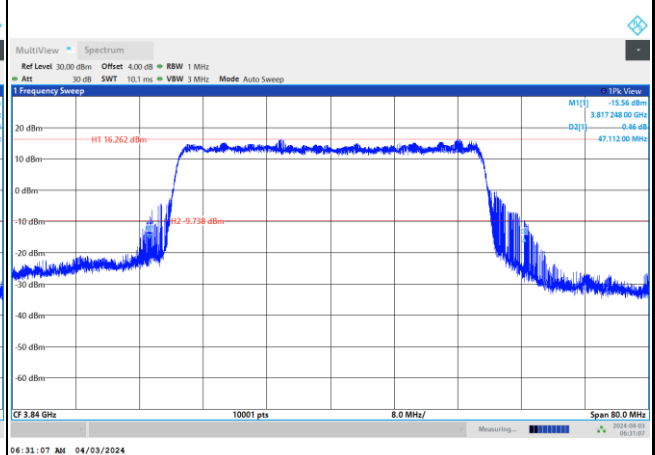
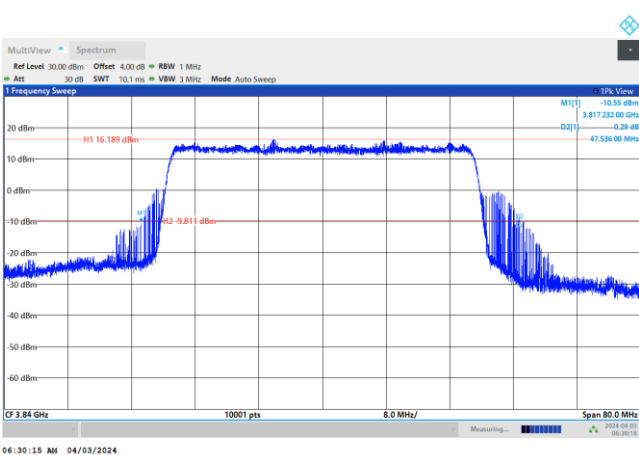




FR1 n77 / 40MHz / CP OFDM / Middle Channel / Full RB

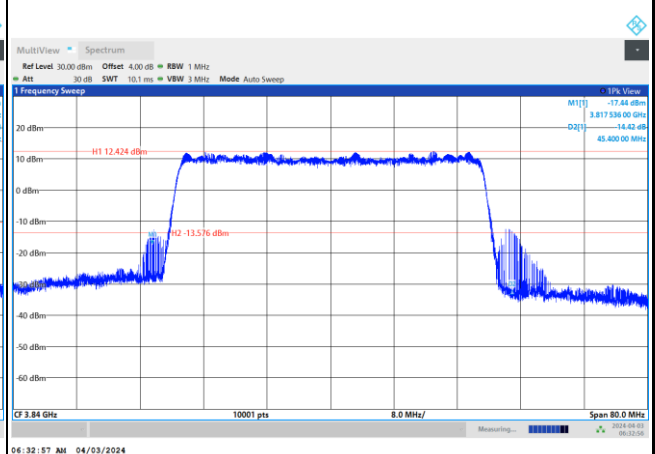
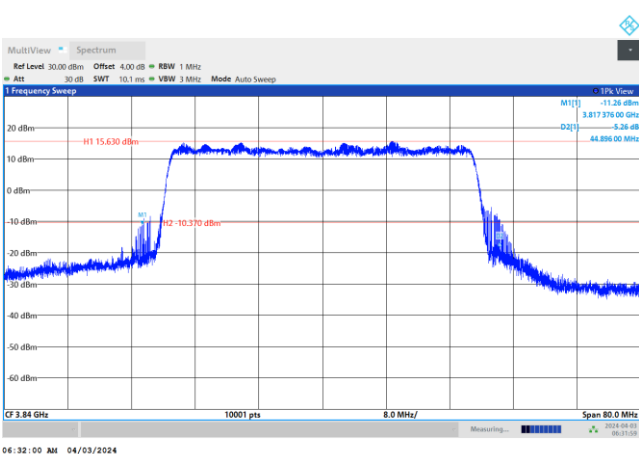
QPSK

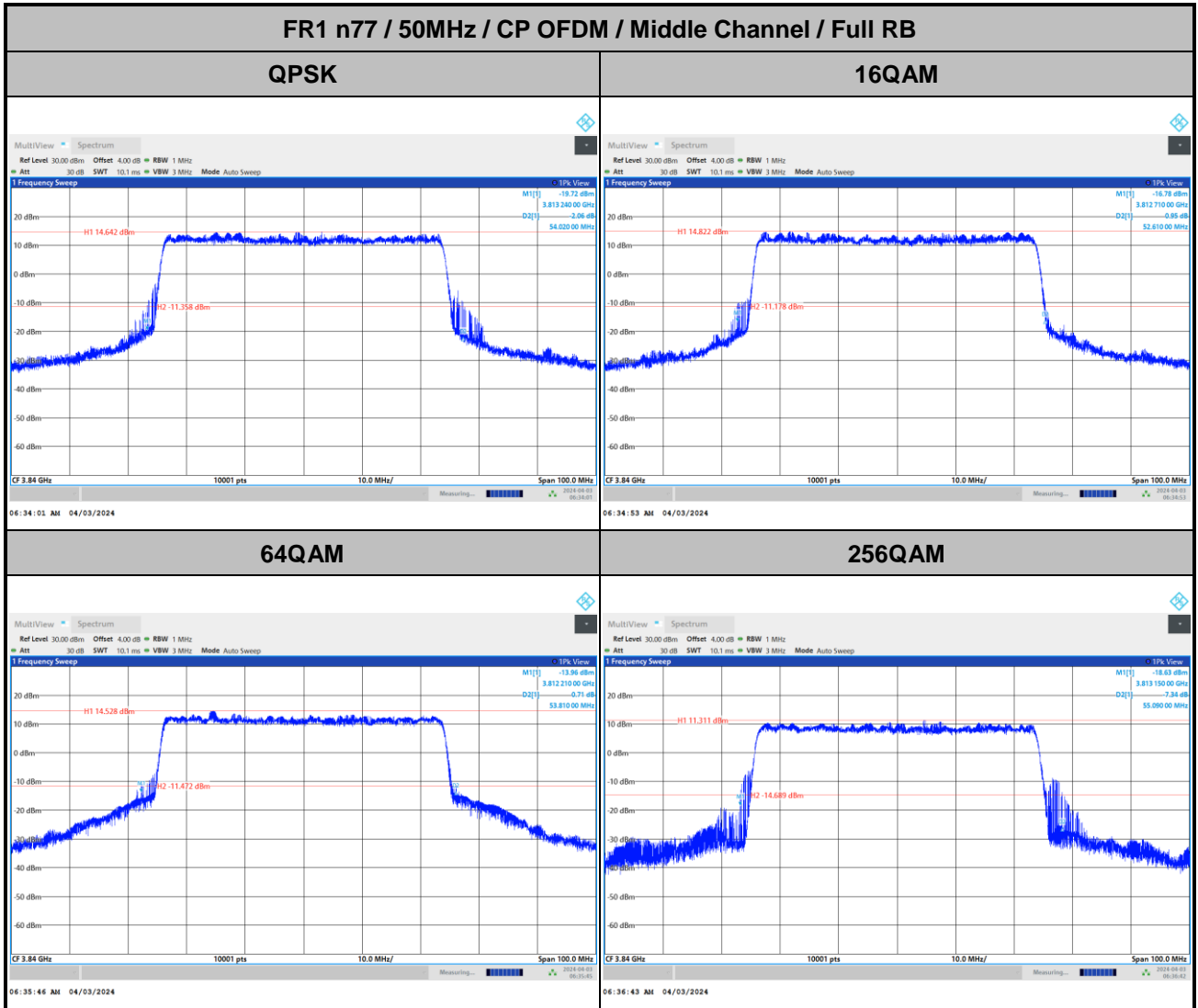
16QAM



64QAM

256QAM



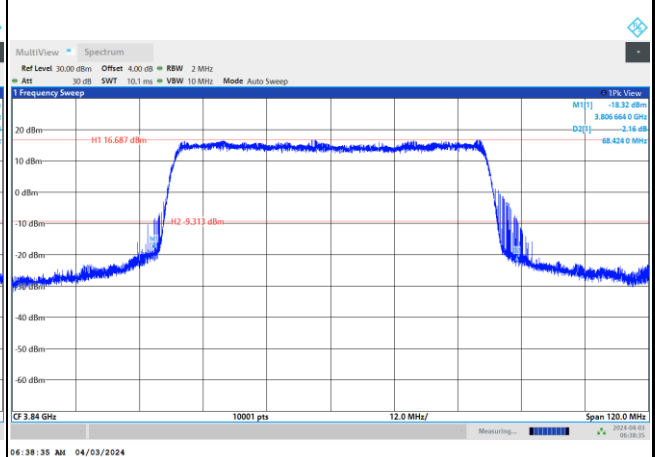
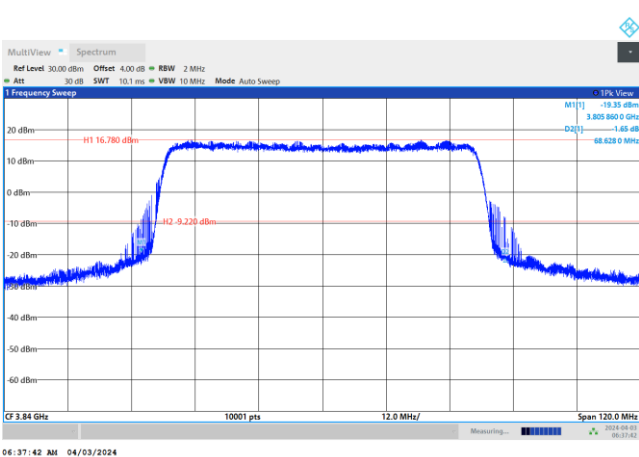




FR1 n77 / 60MHz / CP OFDM / Middle Channel / Full RB

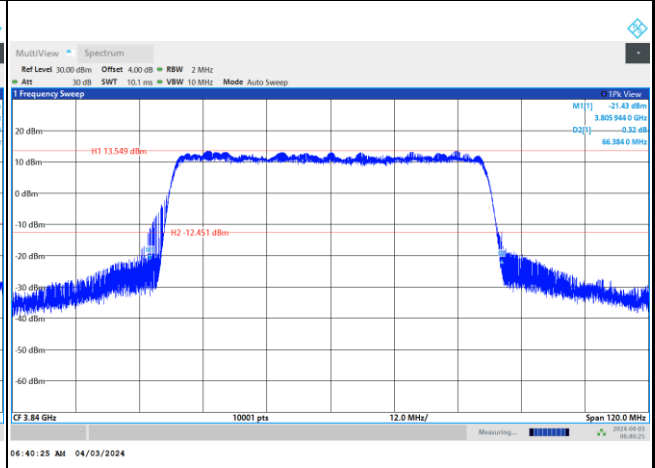
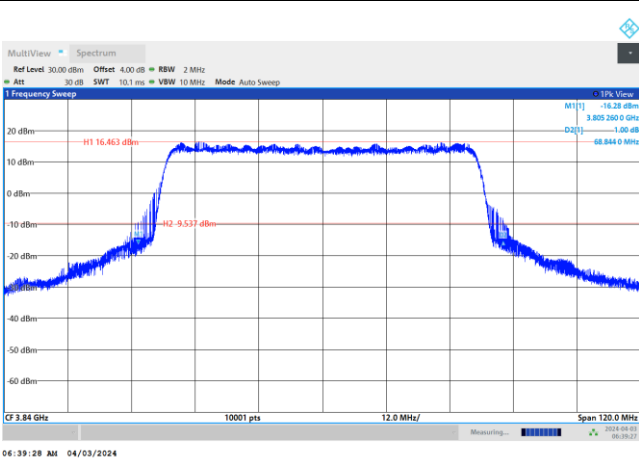
QPSK

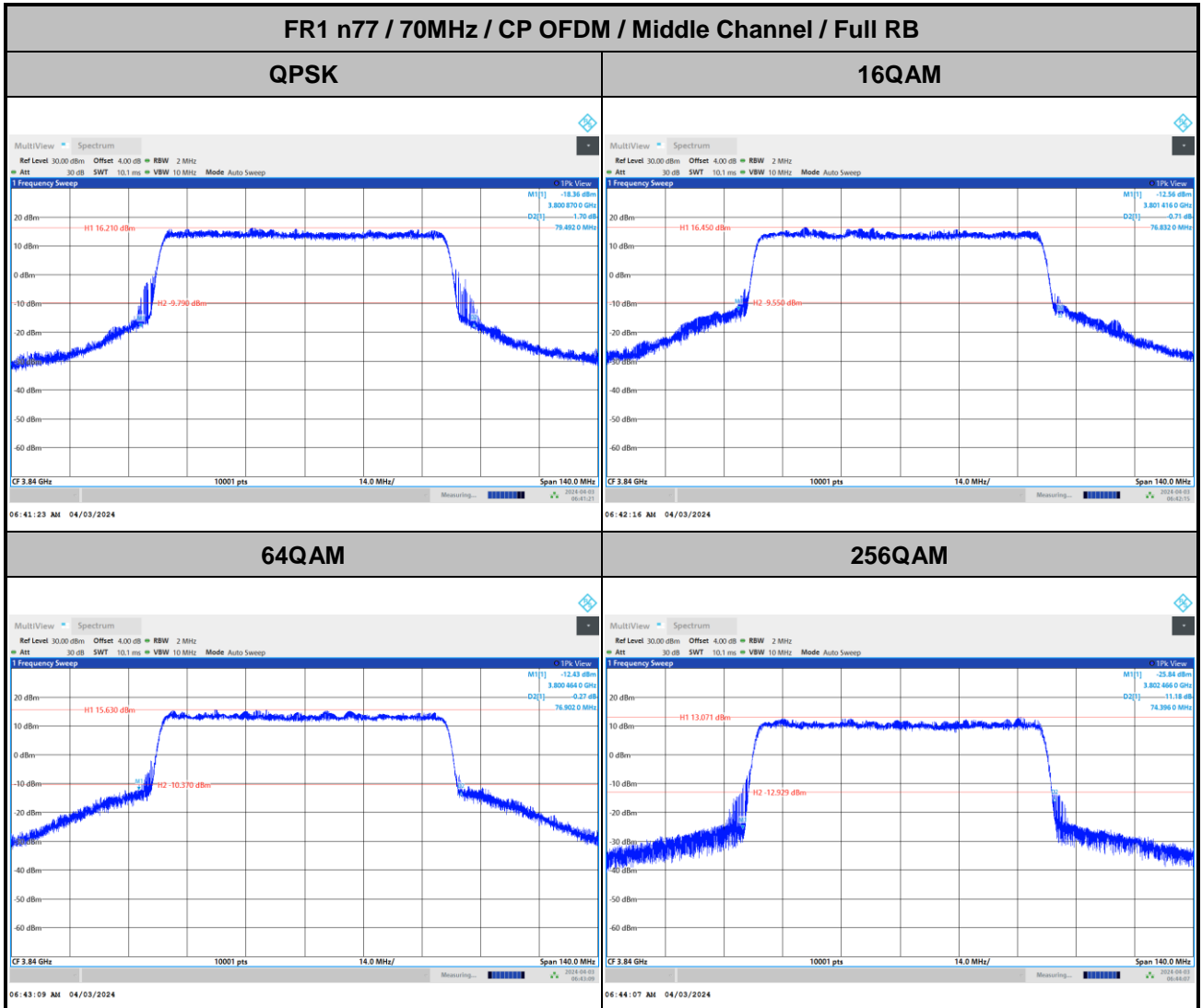
16QAM



64QAM

256QAM



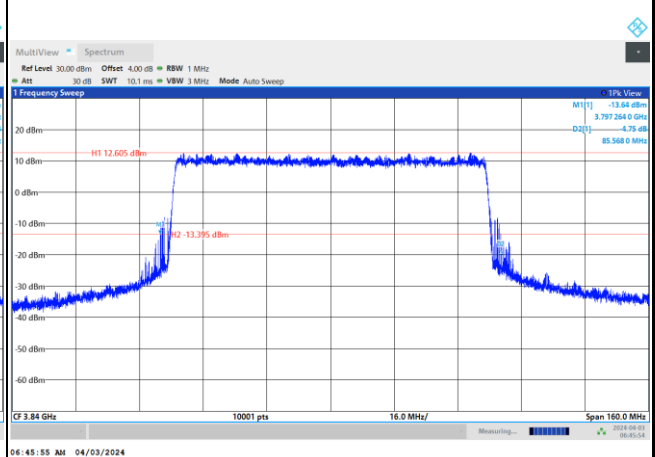
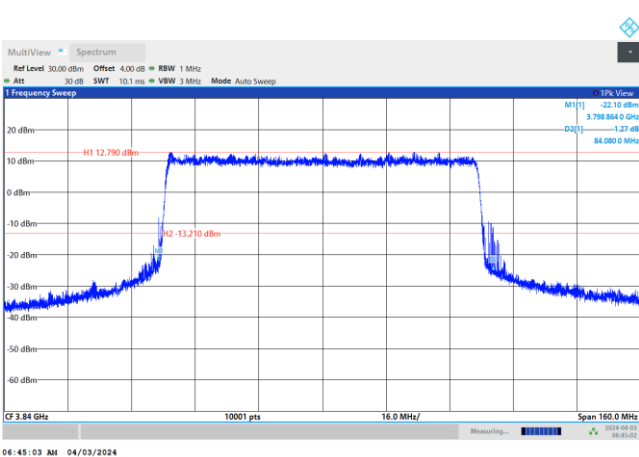




FR1 n77 / 80MHz / CP OFDM / Middle Channel / Full RB

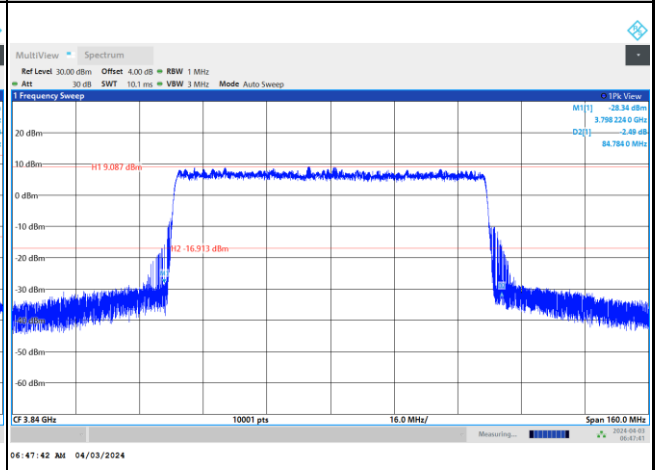
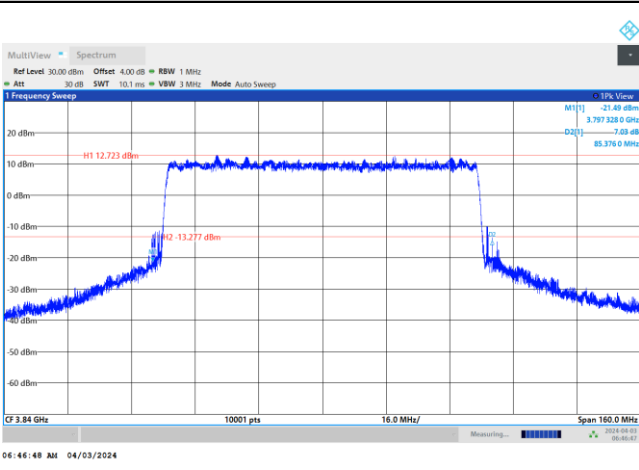
QPSK

16QAM



64QAM

256QAM

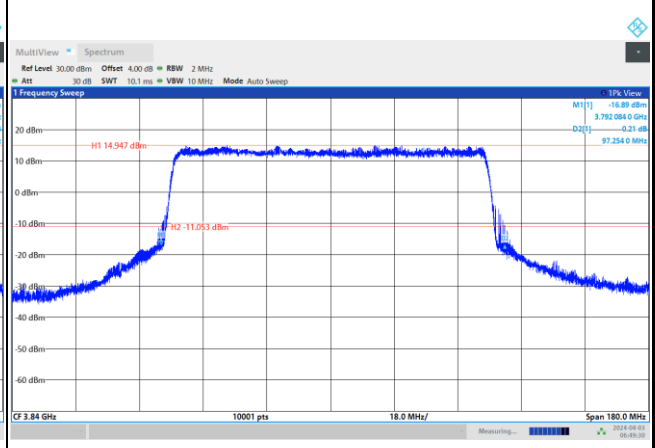
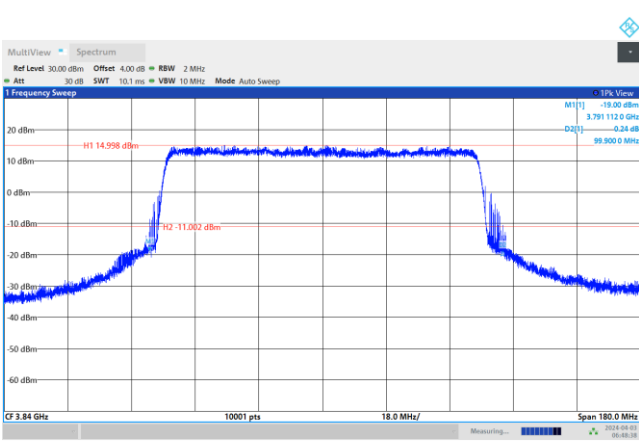




FR1 n77 / 90MHz / CP OFDM / Middle Channel / Full RB

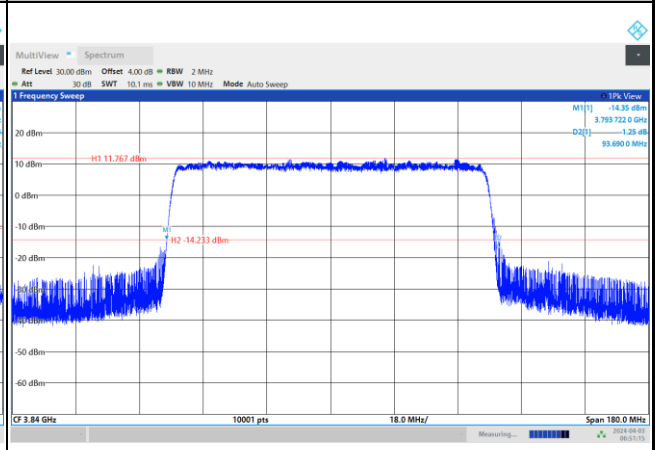
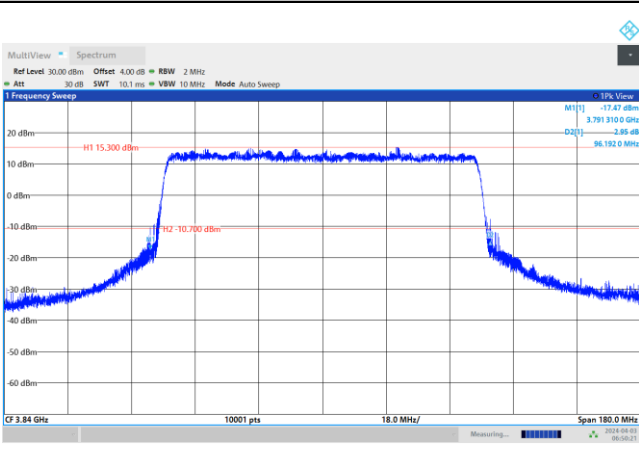
QPSK

16QAM



64QAM

256QAM

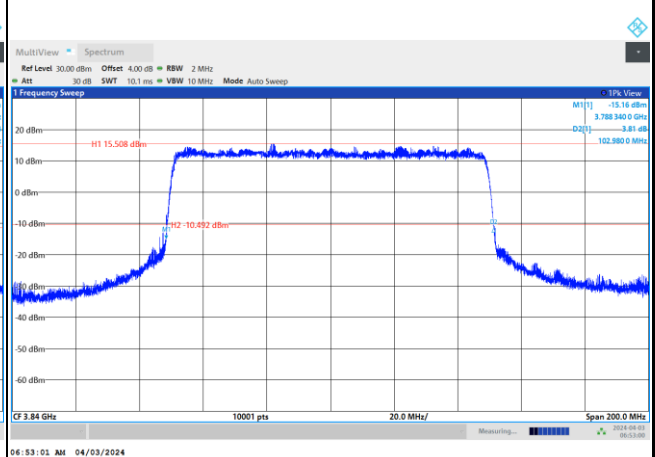
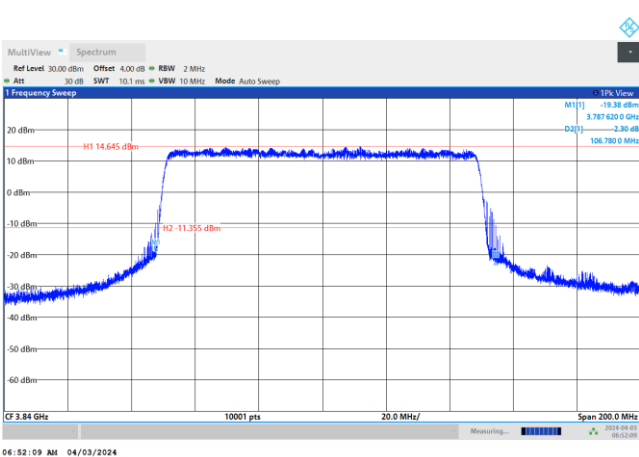




FR1 n77 / 100MHz / CP OFDM / Middle Channel / Full RB

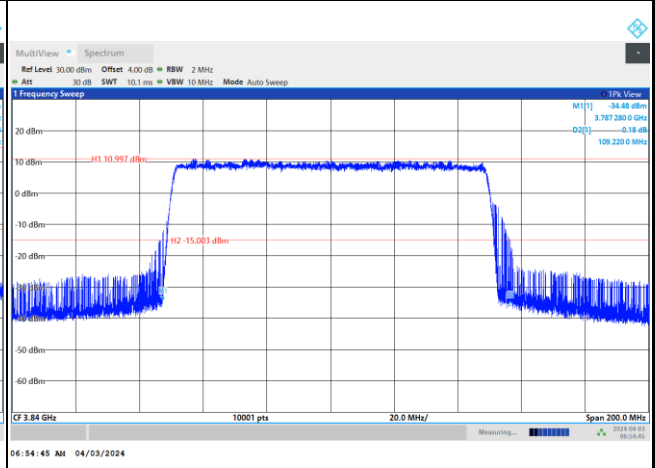
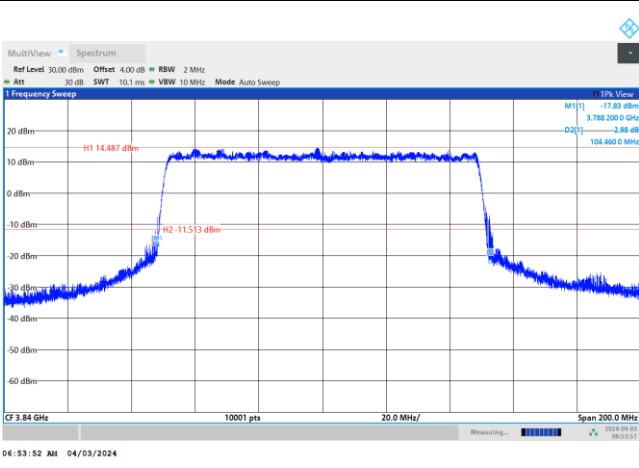
QPSK

16QAM



64QAM

256QAM





Occupied Bandwidth

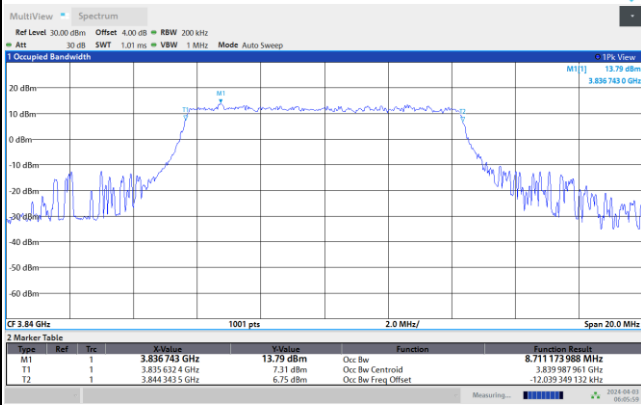
Mode	FR1 n77 : OB BW(MHz) / CP OFDM							
BW	10MHz		15MHz		20MHz		30MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	8.71	8.65	13.67	13.68	18.45	18.58	28.21	28.17
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	8.63	8.70	13.68	13.68	18.42	18.44	28.31	28.22
BW	40MHz		50MHz		60MHz		70MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	38.20	38.16	47.65	47.68	58.69	58.67	67.94	68.07
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	38.09	38.13	47.78	47.64	58.59	58.56	68.06	68.05
BW	80MHz		90MHz		100MHz			
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM		
Middle CH	77.92	77.79	87.96	88.04	97.51	97.72		
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM		
Middle CH	78.04	77.91	87.72	87.62	97.62	97.92		



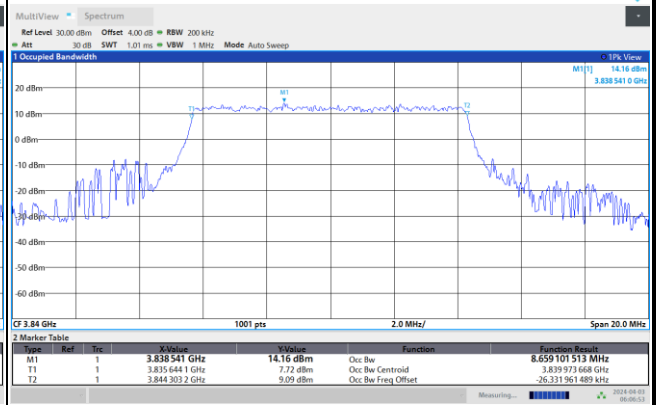
FR1 n77 / 10MHz / CP OFDM / Middle Channel / Full RB

QPSK

16QAM



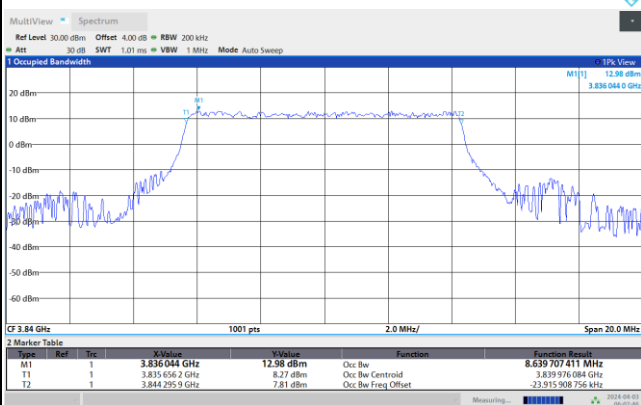
06:05:59 AM 04/03/2024



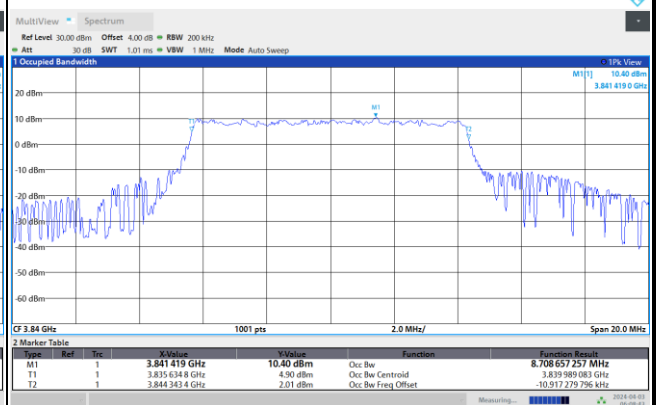
06:06:53 AM 04/03/2024

64QAM

256QAM



06:07:47 AM 04/03/2024



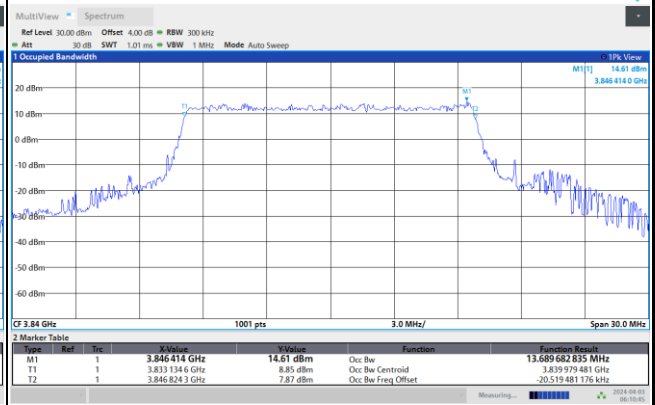
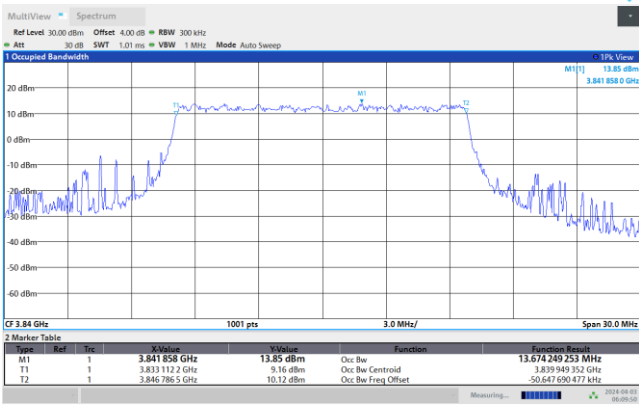
06:08:43 AM 04/03/2024



FR1 n77 / 15MHz / CP OFDM / Middle Channel / Full RB

QPSK

16QAM

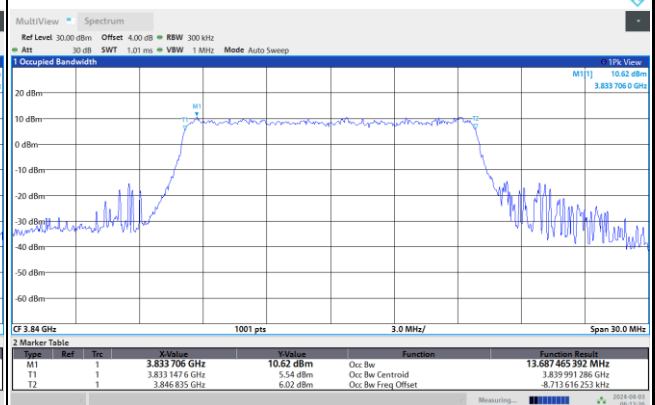
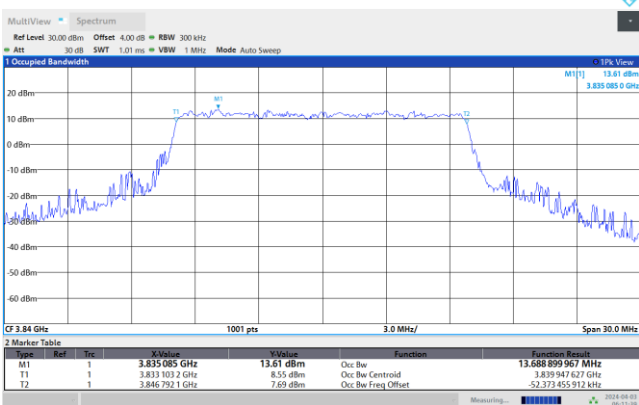


06:09:51 AM 04/03/2024

06:10:45 AM 04/03/2024

64QAM

256QAM



06:11:40 AM 04/03/2024

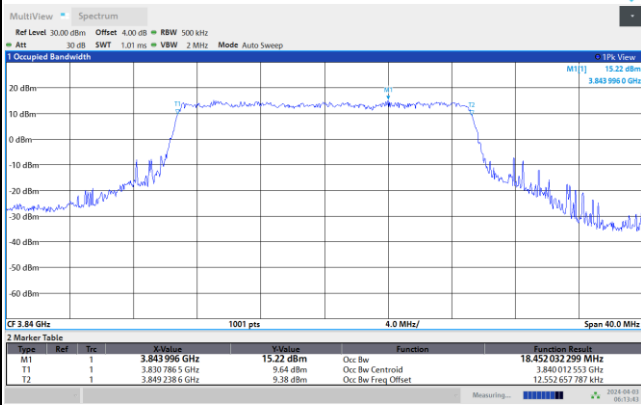
06:12:36 AM 04/03/2024



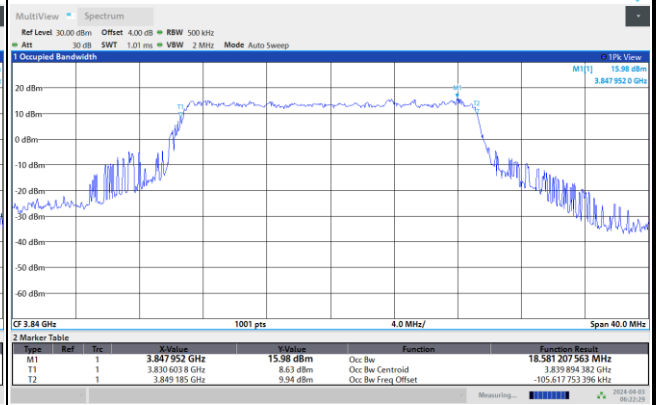
FR1 n77 / 20MHz / CP OFDM / Middle Channel / Full RB

QPSK

16QAM



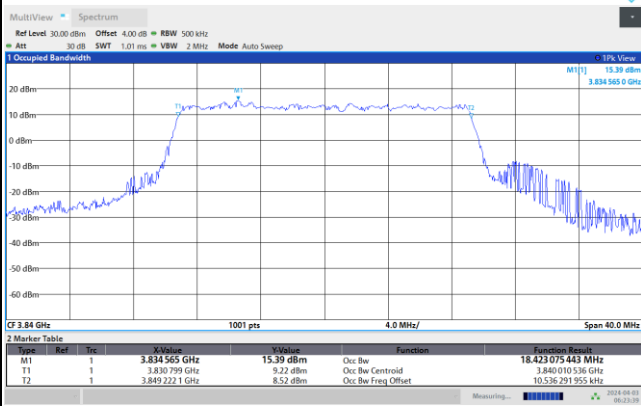
06:13:43 AM 04/03/2024



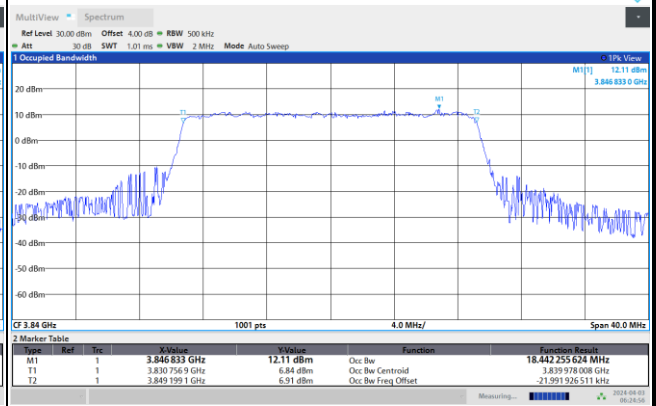
06:22:29 AM 04/03/2024

64QAM

256QAM



06:23:40 AM 04/03/2024



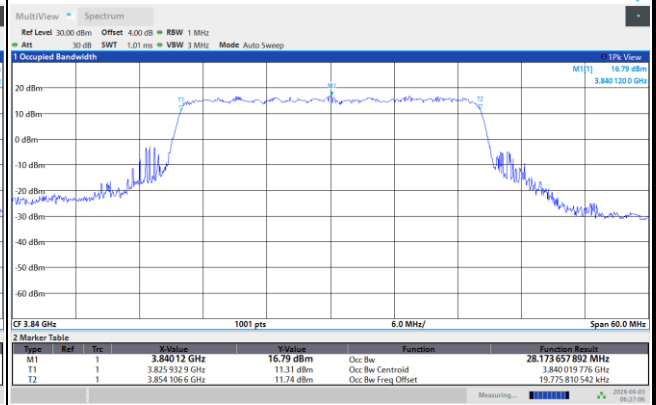
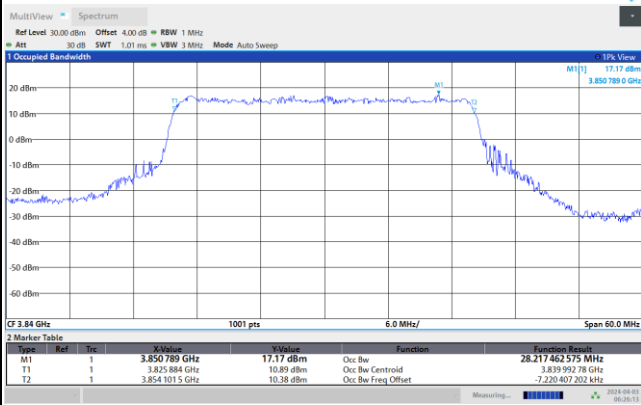
06:24:56 AM 04/03/2024



FR1 n77 / 30MHz / CP OFDM / Middle Channel / Full RB

QPSK

16QAM

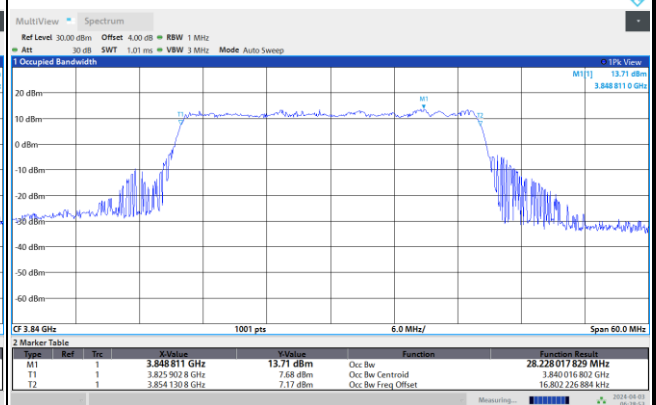
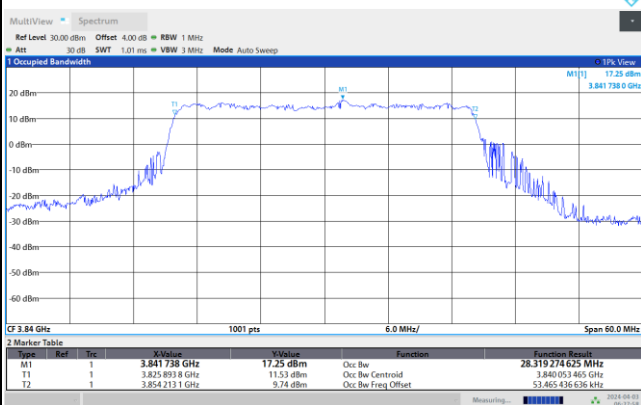


06:26:14 AM 04/03/2024

06:27:07 AM 04/03/2024

64QAM

256QAM



06:27:59 AM 04/03/2024

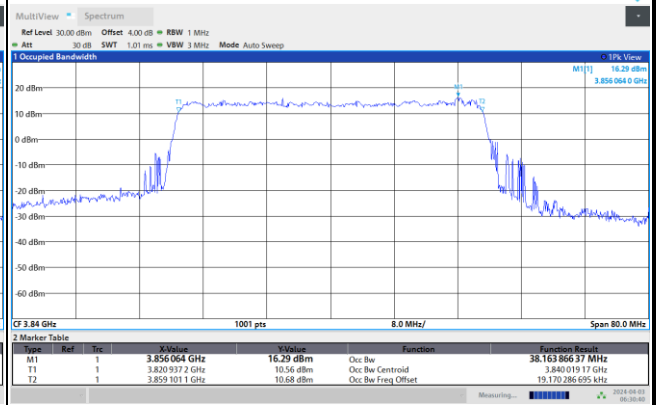
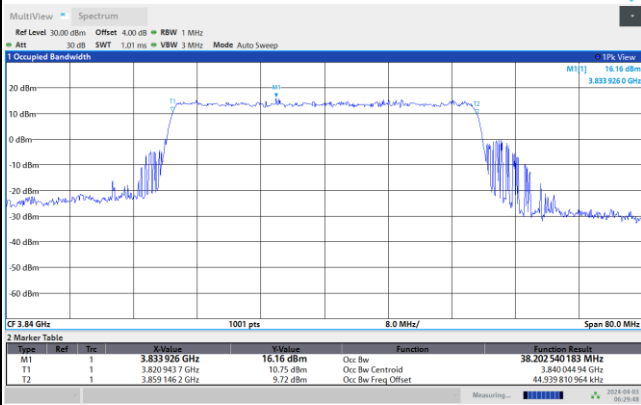
06:28:53 AM 04/03/2024



FR1 n77 / 40MHz / CP OFDM / Middle Channel / Full RB

QPSK

16QAM

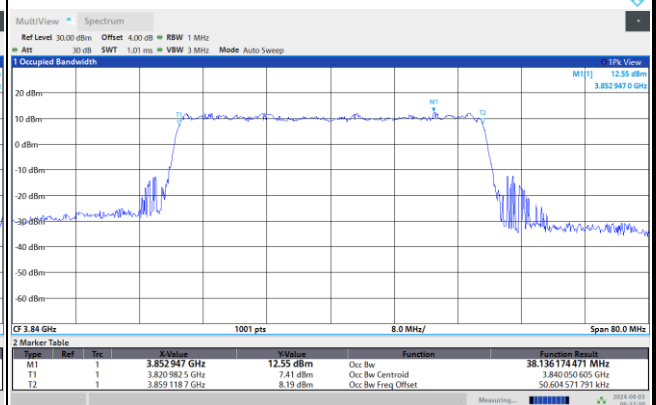
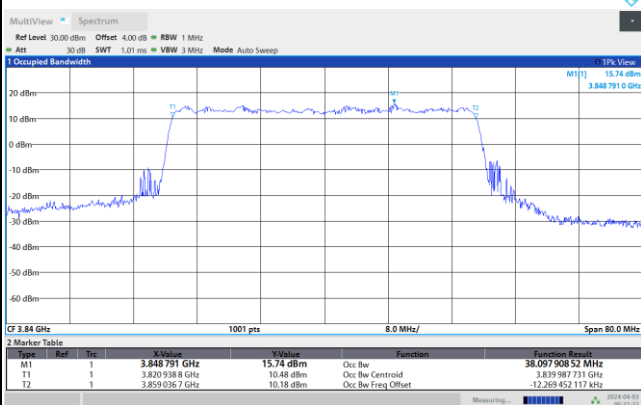


06:29:49 AM 04/03/2024

06:30:41 AM 04/03/2024

64QAM

256QAM



06:31:34 AM 04/03/2024

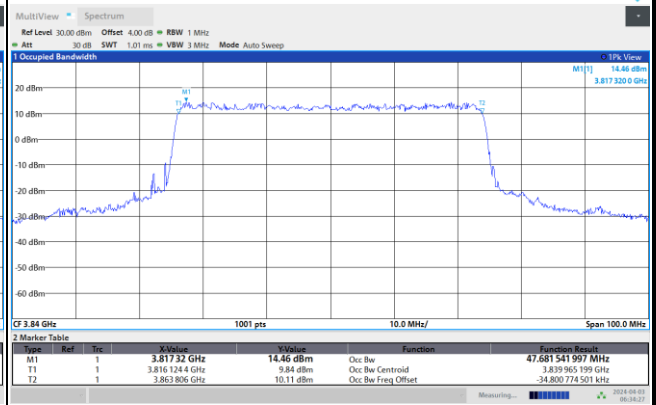
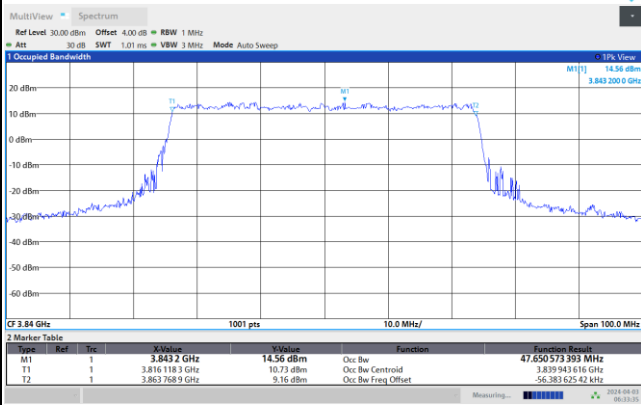
06:32:31 AM 04/03/2024



FR1 n77 / 50MHz / CP OFDM / Middle Channel / Full RB

QPSK

16QAM

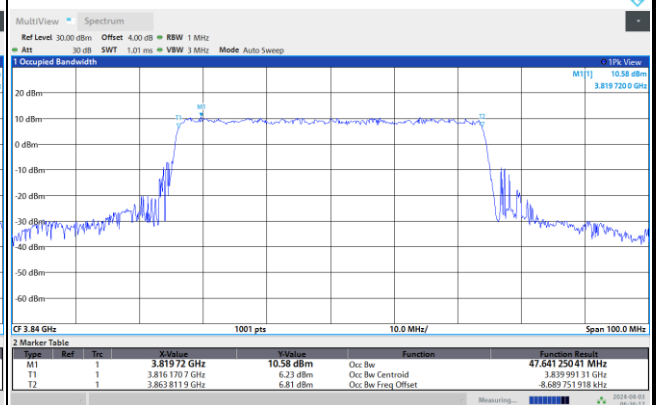
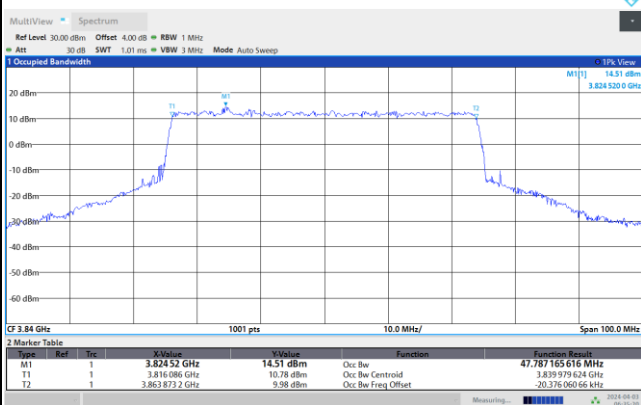


06:33:35 AM 04/03/2024

06:34:28 AM 04/03/2024

64QAM

256QAM



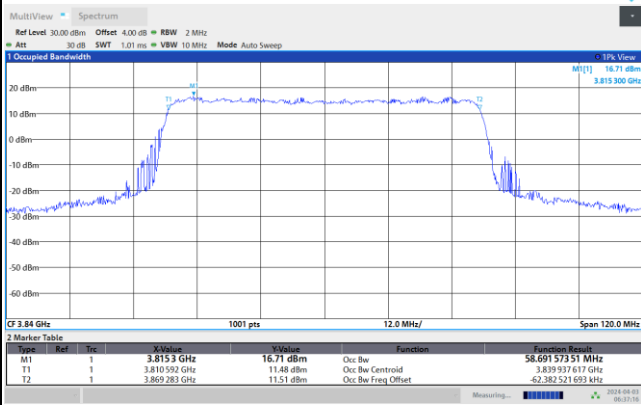
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06:36:17 AM 04/03/2024

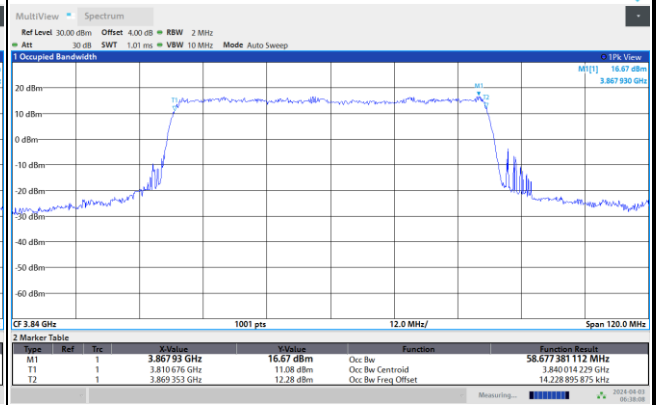


FR1 n77 / 60MHz / CP OFDM / Middle Channel / Full RB

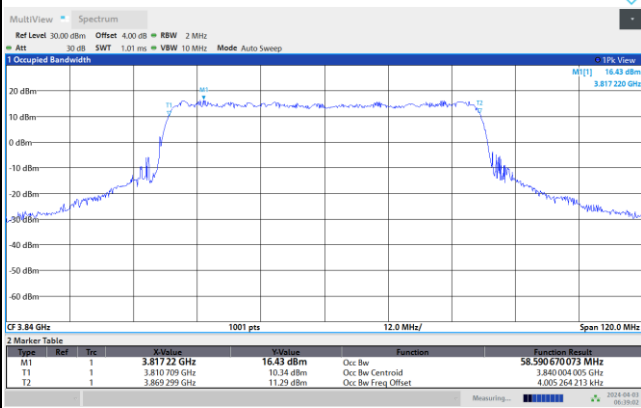
QPSK



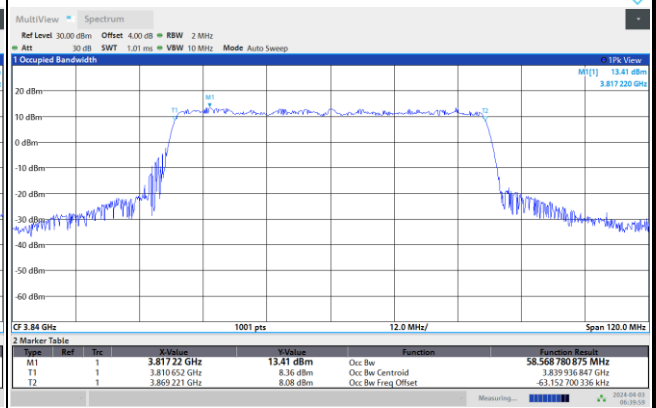
16QAM



64QAM



256QAM

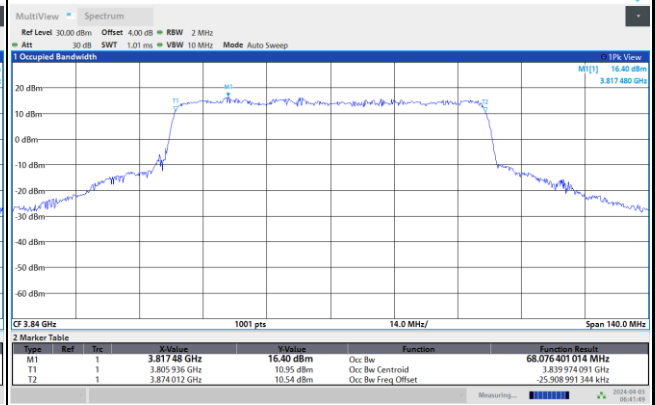
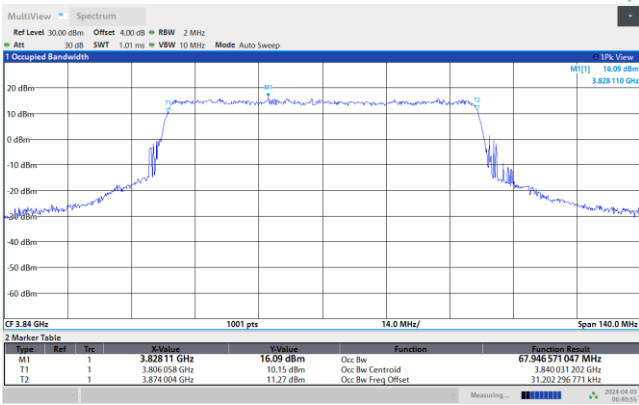




FR1 n77 / 70MHz / CP OFDM / Middle Channel / Full RB

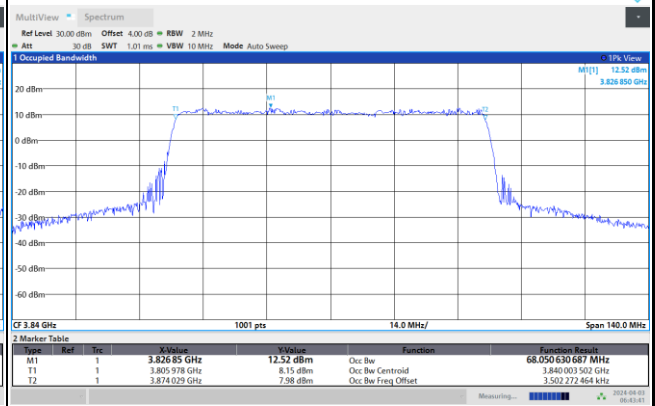
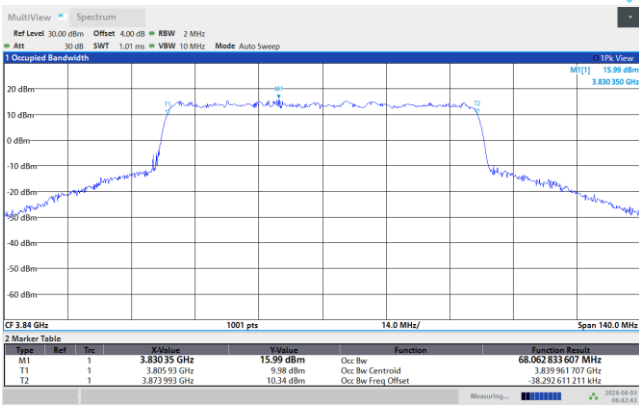
QPSK

16QAM



64QAM

256QAM

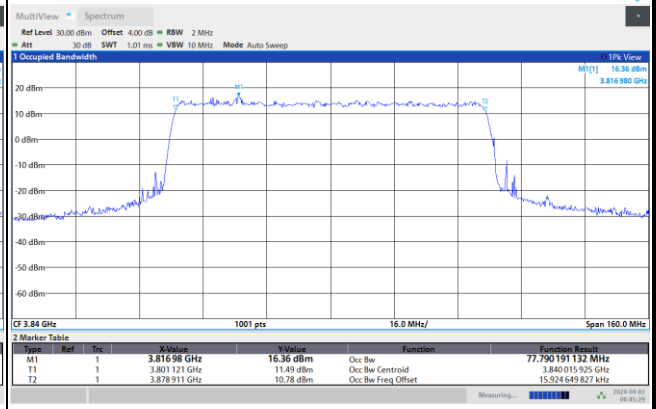
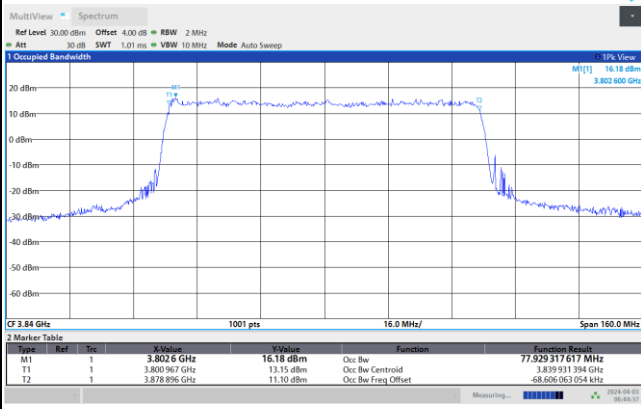




FR1 n77 / 80MHz / CP OFDM / Middle Channel / Full RB

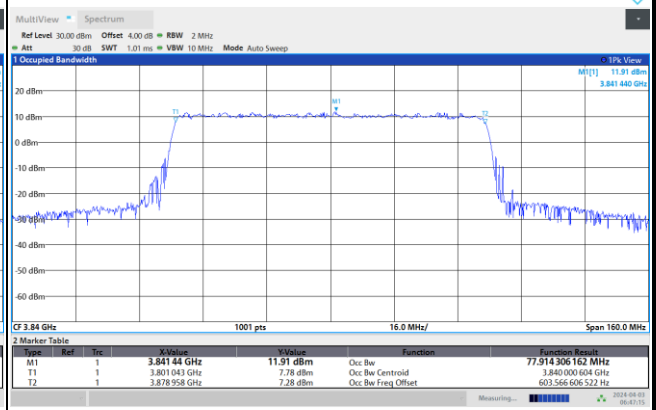
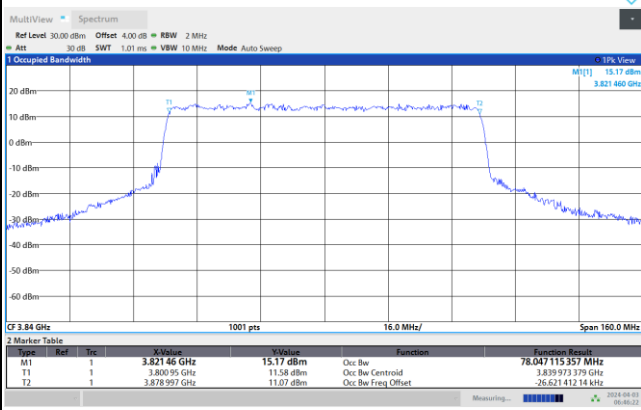
QPSK

16QAM



64QAM

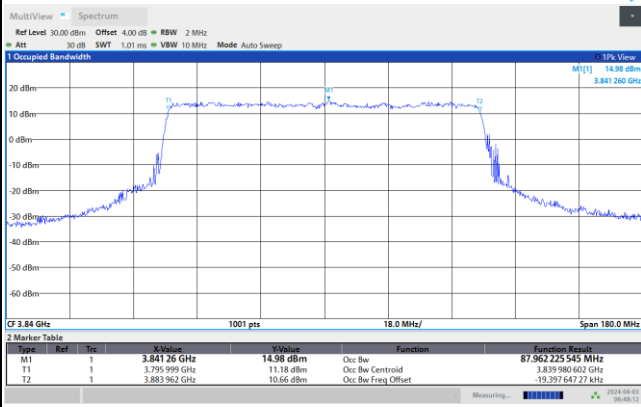
256QAM



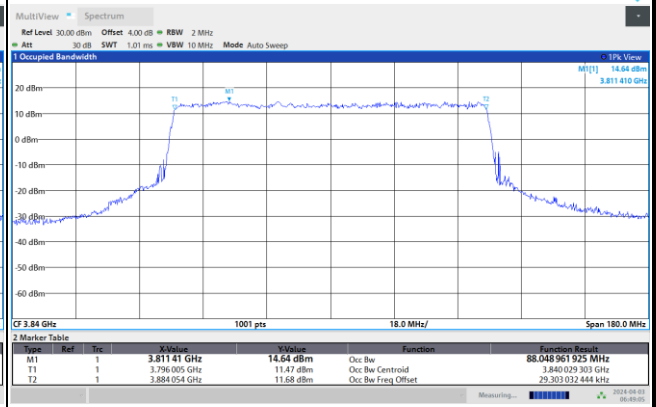


FR1 n77 / 90MHz / CP OFDM / Middle Channel / Full RB

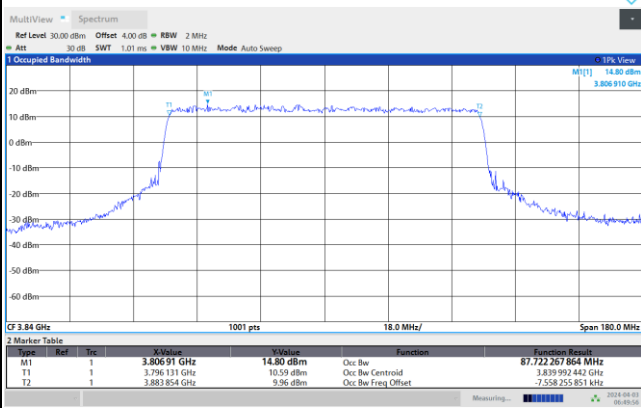
QPSK



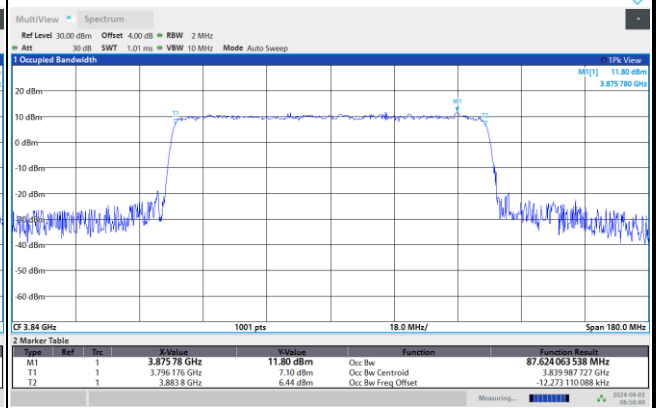
16QAM



64QAM



256QAM

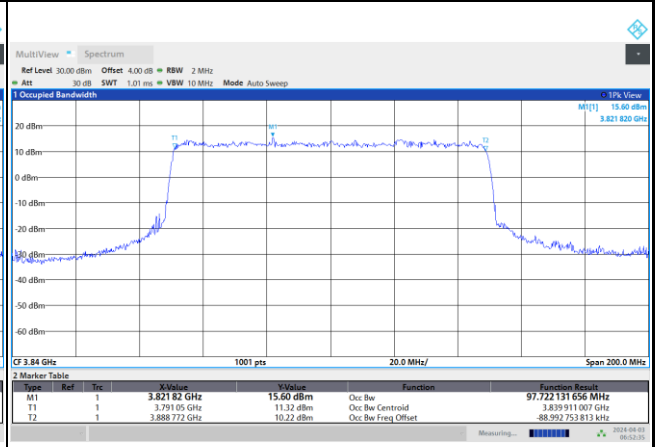
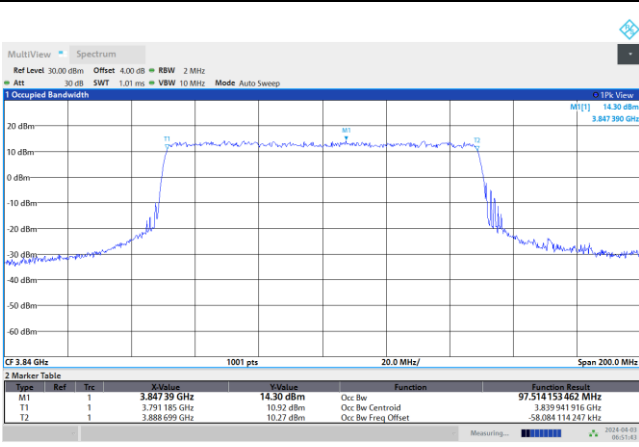




FR1 n77 / 100MHz / CP OFDM / Middle Channel / Full RB

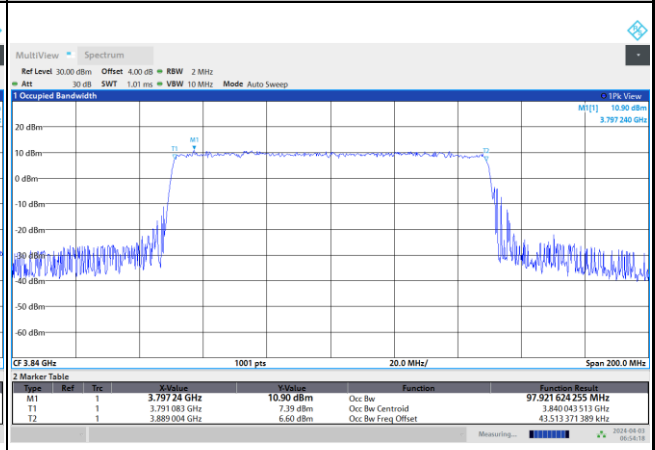
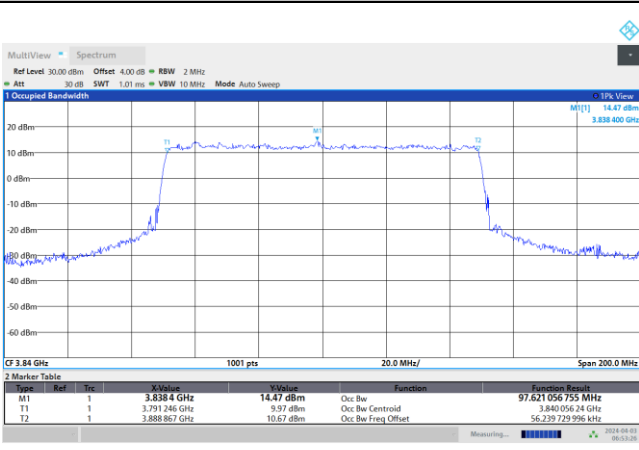
QPSK

16QAM



64QAM

256QAM



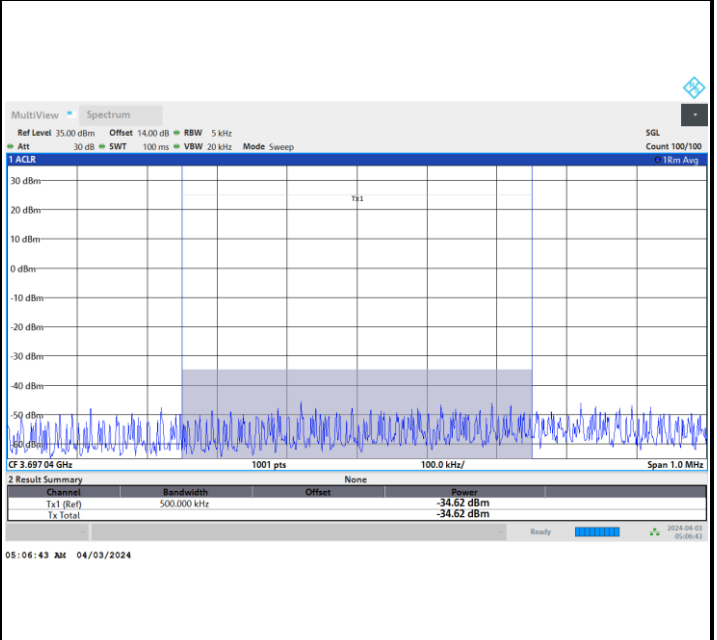
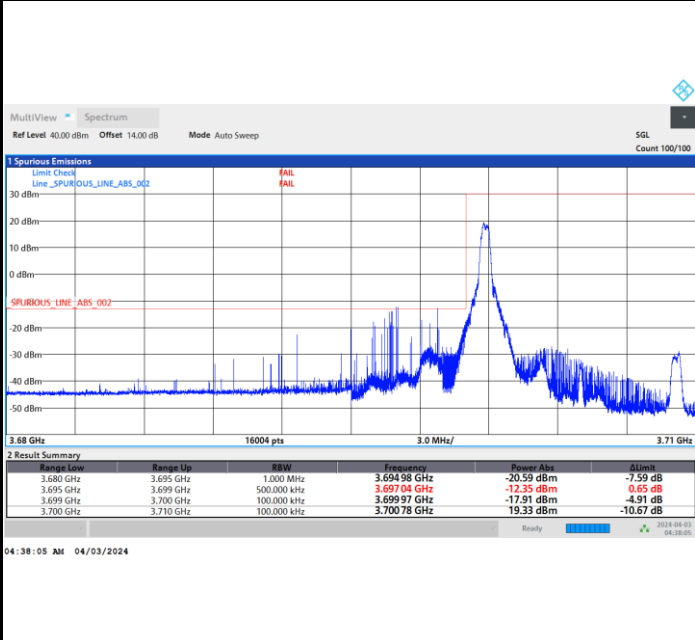


Conducted Band Edge

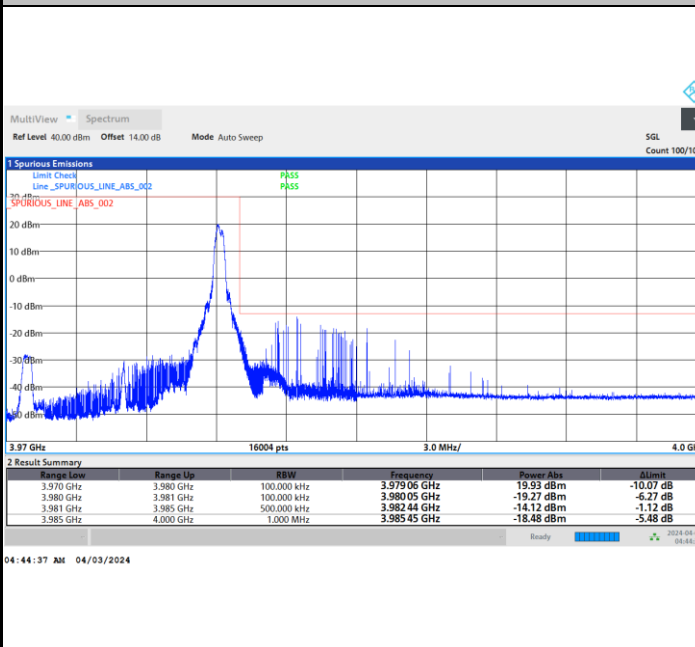
FR1 n77 / 10MHz / CP OFDM / QPSK

Lowest Band Edge / 1RB0

Power Limit -13dBm > -34.62 dBm Pass



Highest Band Edge / 1RBmax

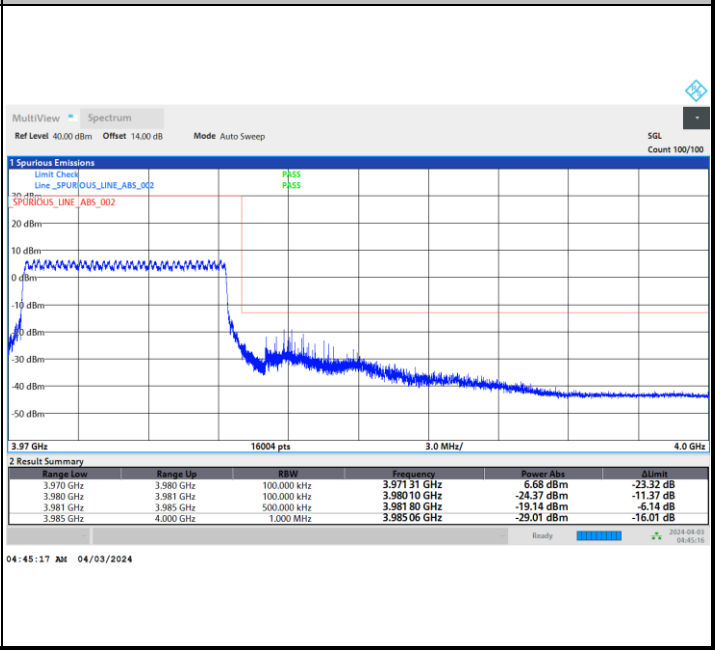
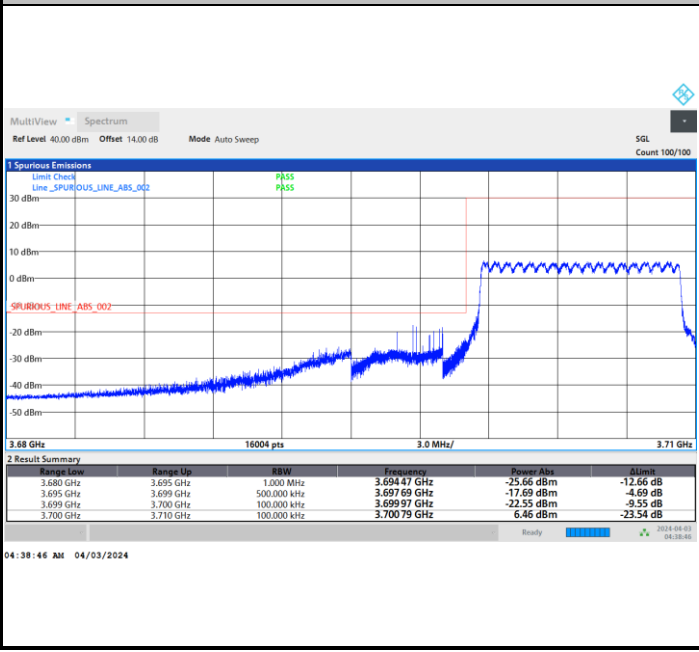




FR1 n77 / 10MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

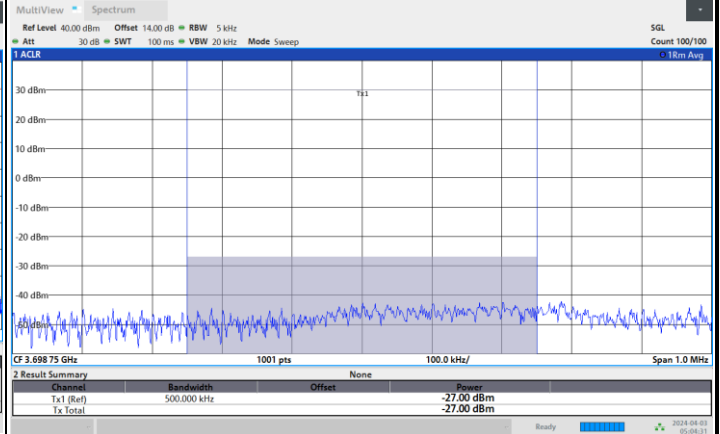
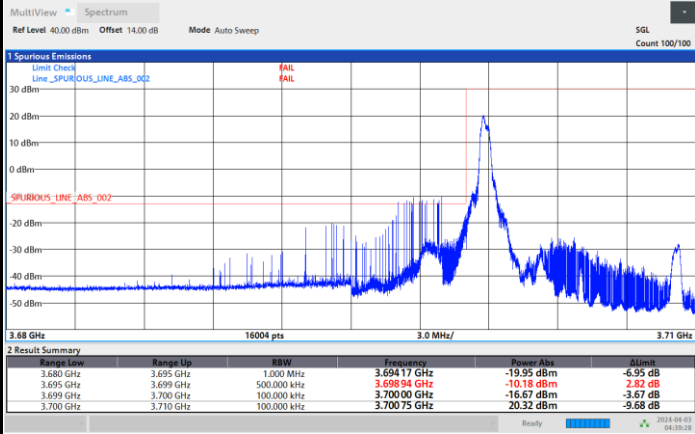




FR1 n77 / 10MHz / CP OFDM / 16QAM

Lowest Band Edge / 1RB0

Power Limit -13dBm > -27.00dBm Pass



Highest Band Edge / 1RBmax

Power Limit -13dBm > -28.41 dBm Pass

