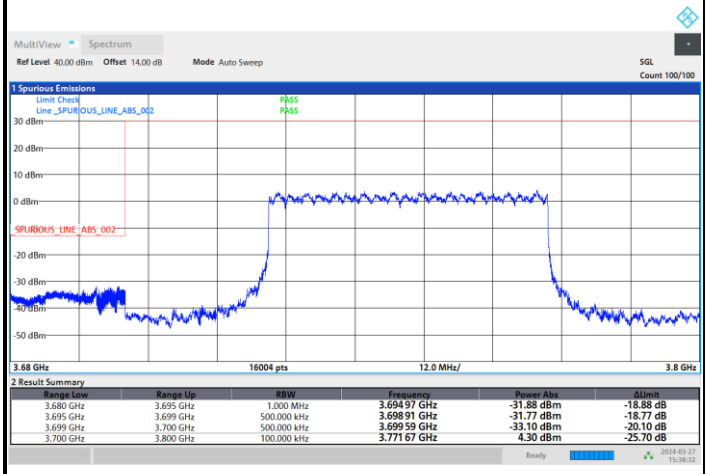
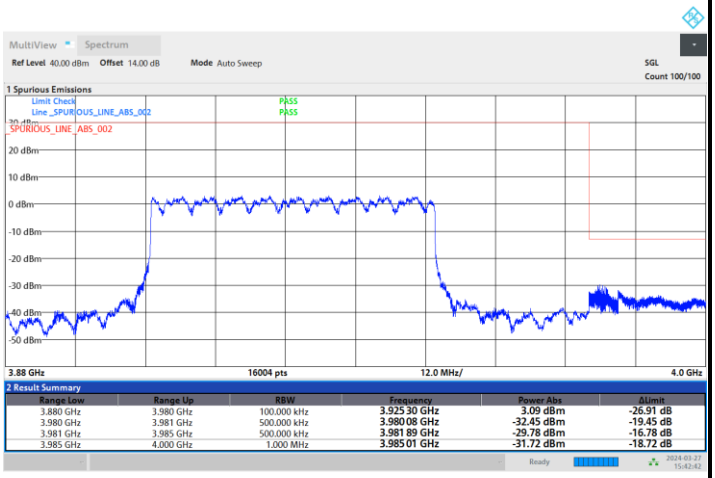
FR1 n77 / 100MHz / DFT-S OFDM / PI/2 BPSK

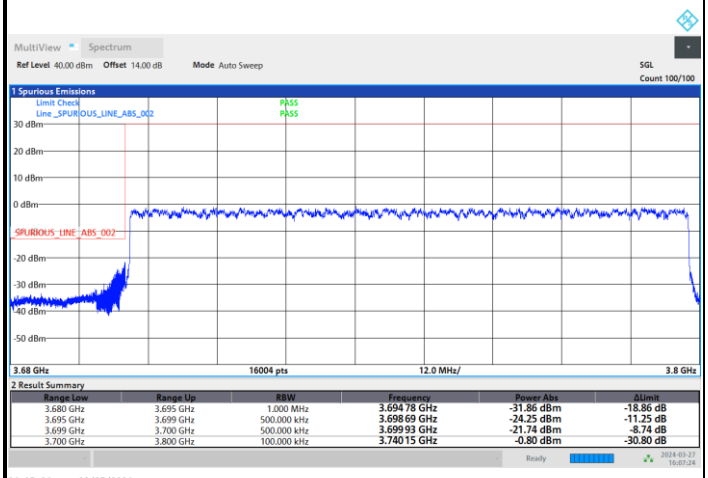
Lowest Band Edge / Inner Full RB



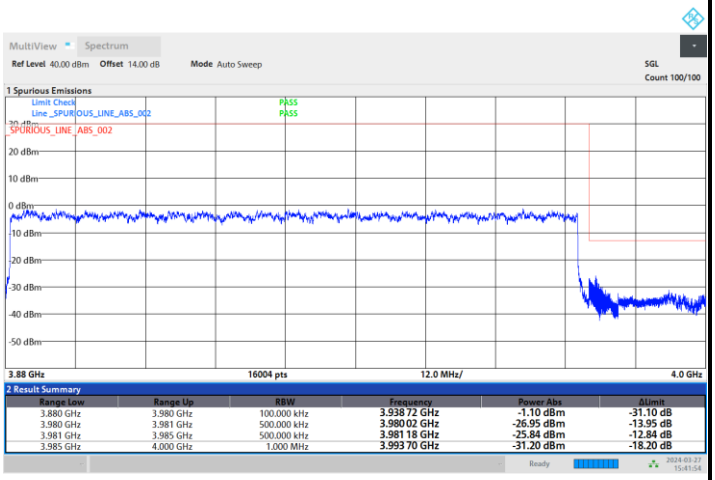
Highest Band Edge / Inner Full RB



Lowest Band Edge / Outter Full RB

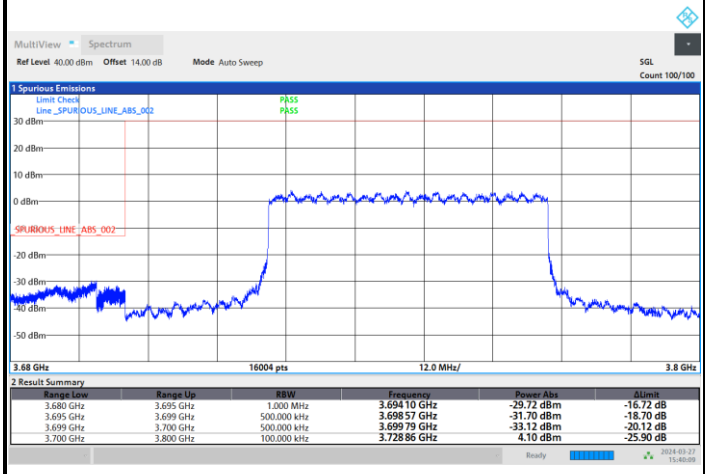


Highest Band Edge / Outter Full RB

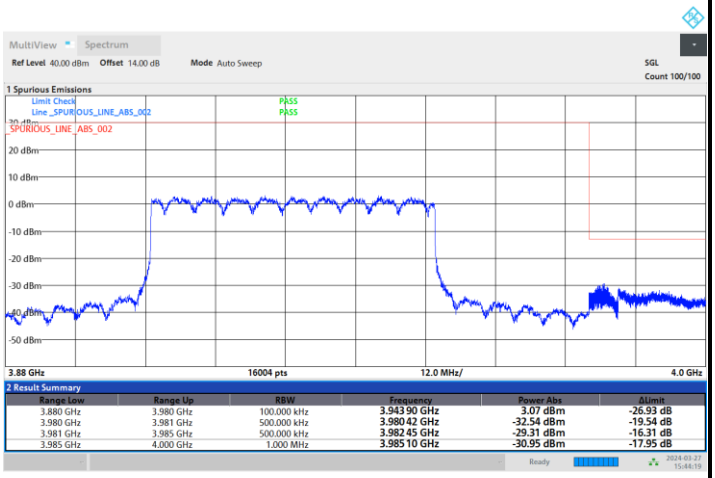


FR1 n77 / 100MHz / DFT-S OFDM / QPSK

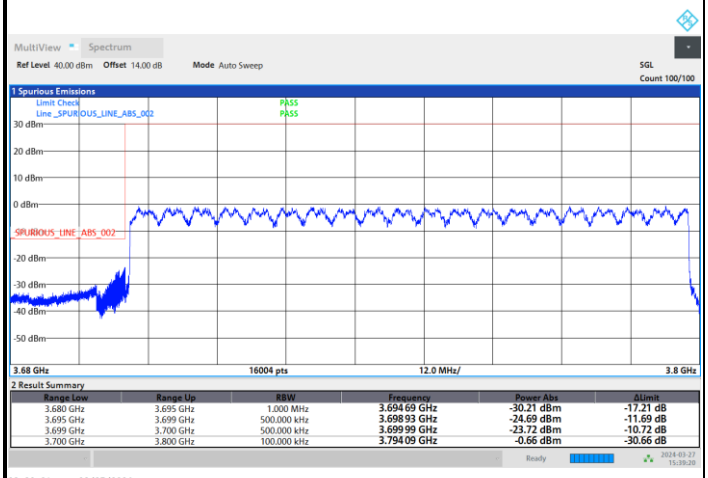
Lowest Band Edge / Inner Full RB



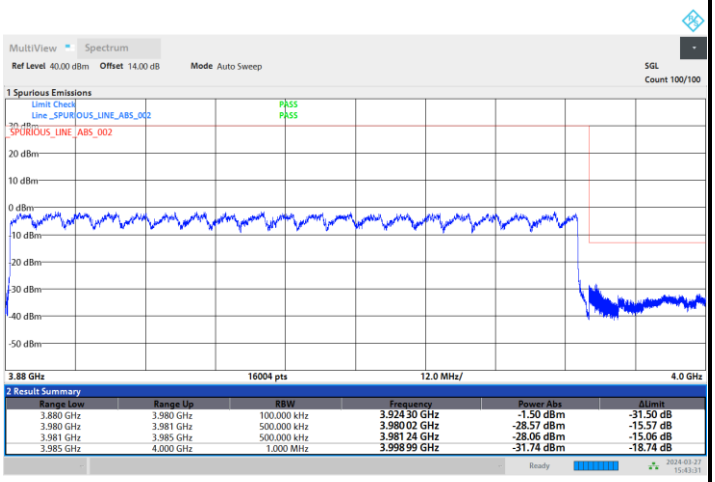
Highest Band Edge / Inner Full RB

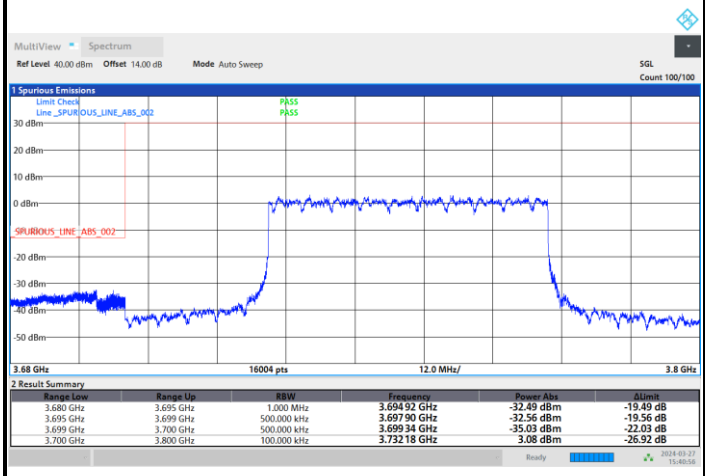
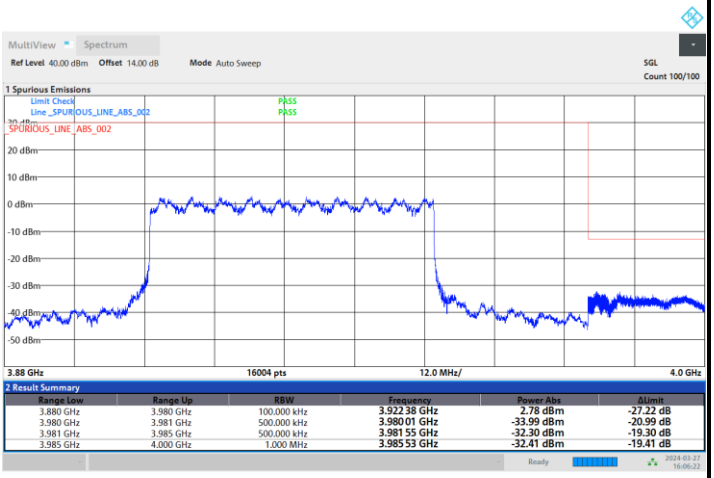


Lowest Band Edge / Outter Full RB



Highest Band Edge / Outter Full RB

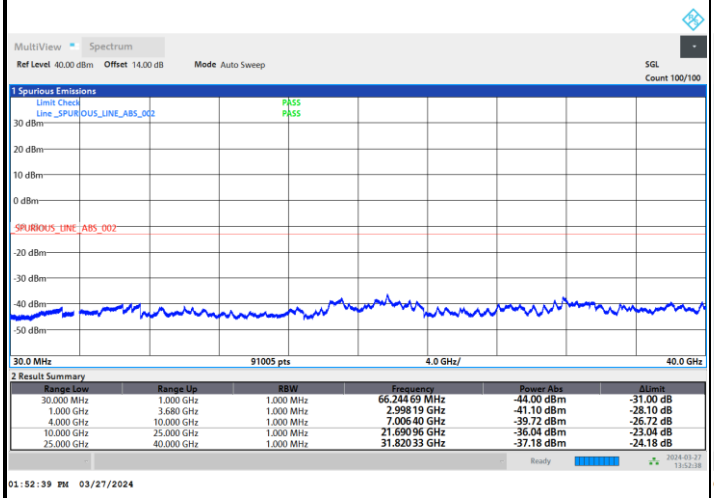


FR1 n77 / 100MHz / DFT-S OFDM / 16QAM	
Lowest Band Edge / Inner Full RB	**Highest Band Edge / Inner Full RB**
	

Conducted Spurious Emission

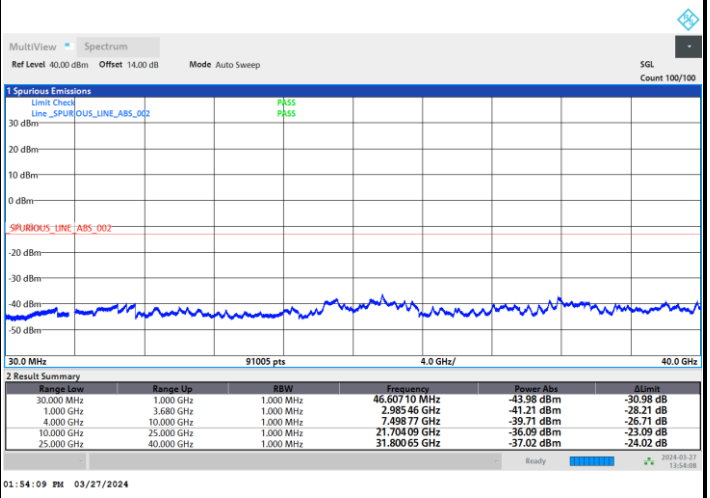
FR1 n77 / 10MHz / DFT-S OFDM / QPSK / 1RB1

Lowest Channel



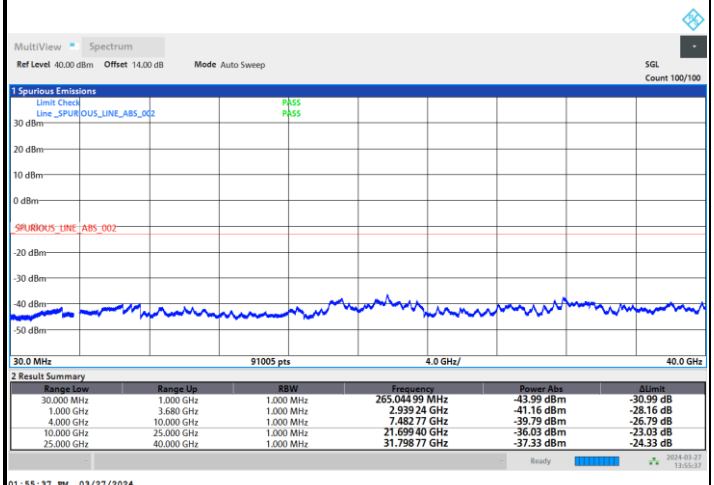
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	66.244 69 MHz	-44.00 dBm	-31.00 dB
1.000 GHz	3.680 GHz	1.000 MHz	2.998 19 GHz	-41.10 dBm	-28.10 dB
4.000 GHz	10.000 GHz	1.000 MHz	7.006 40 GHz	-39.72 dBm	-26.72 dB
10.000 GHz	25.000 GHz	1.000 MHz	21.690 96 GHz	-36.04 dBm	-23.04 dB
25.000 GHz	40.000 GHz	1.000 MHz	31.820 33 GHz	-37.18 dBm	-24.18 dB

Middle Channel



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	46.607 10 MHz	-43.98 dBm	-30.98 dB
1.000 GHz	3.680 GHz	1.000 MHz	2.985 46 GHz	-41.21 dBm	-28.21 dB
4.000 GHz	10.000 GHz	1.000 MHz	7.498 77 GHz	-39.71 dBm	-26.71 dB
10.000 GHz	25.000 GHz	1.000 MHz	21.704 09 GHz	-36.09 dBm	-23.09 dB
25.000 GHz	40.000 GHz	1.000 MHz	31.800 65 GHz	-37.02 dBm	-24.02 dB

Highest Channel



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	265.044 99 MHz	-43.99 dBm	-30.99 dB
1.000 GHz	3.680 GHz	1.000 MHz	2.939 24 GHz	-41.16 dBm	-28.16 dB
4.000 GHz	10.000 GHz	1.000 MHz	7.482 77 GHz	-39.79 dBm	-26.79 dB
10.000 GHz	25.000 GHz	1.000 MHz	21.699 40 GHz	-36.03 dBm	-23.03 dB
25.000 GHz	40.000 GHz	1.000 MHz	31.798 77 GHz	-37.33 dBm	-24.33 dB

<MIMO Mode>

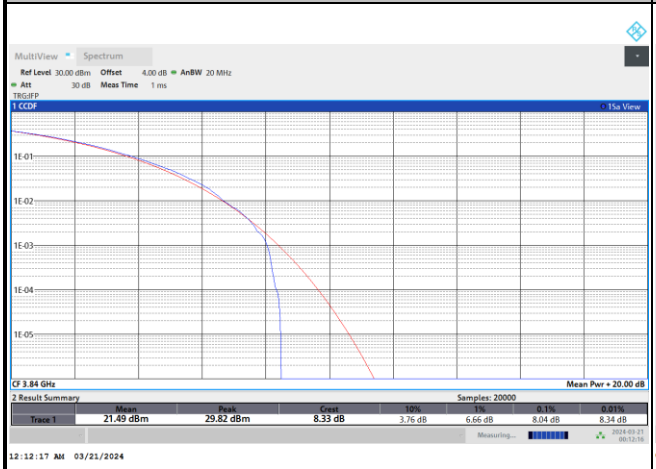
MIMO <Ant. 6+1> (6)

Peak-to-Average Ratio

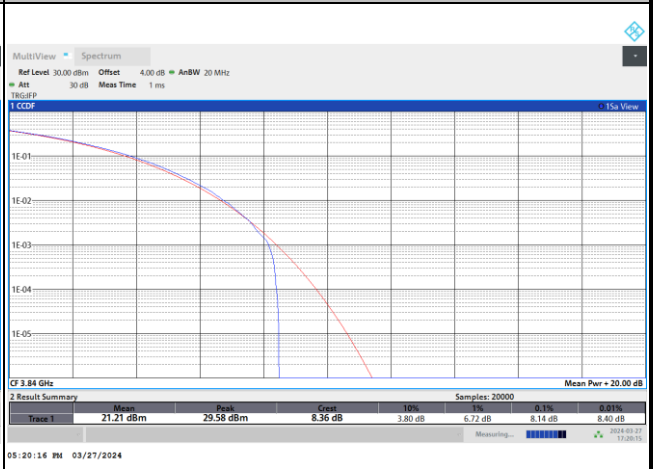
Mode	FR1 n77 / 20MHz / CP OFDM				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	8.04	8.14	8.12	8.76	PASS

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

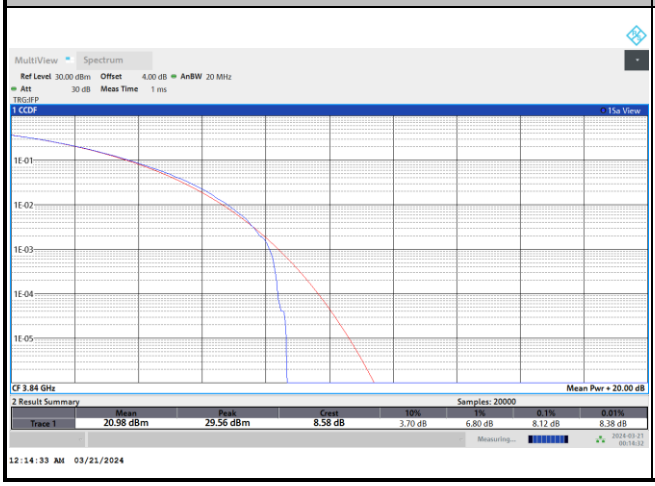
QPSK



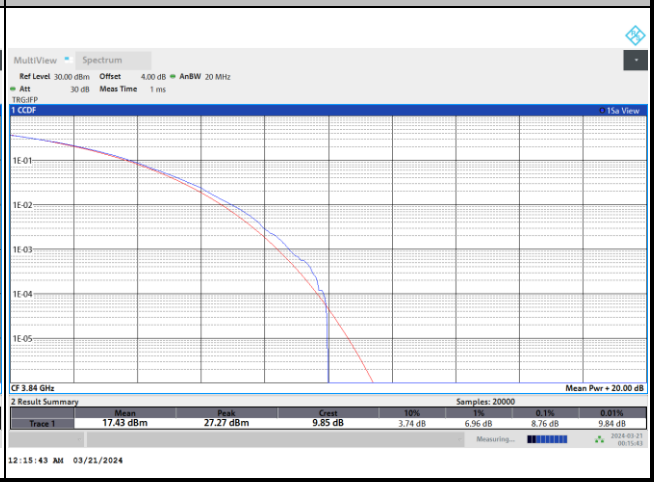
16QAM



64QAM

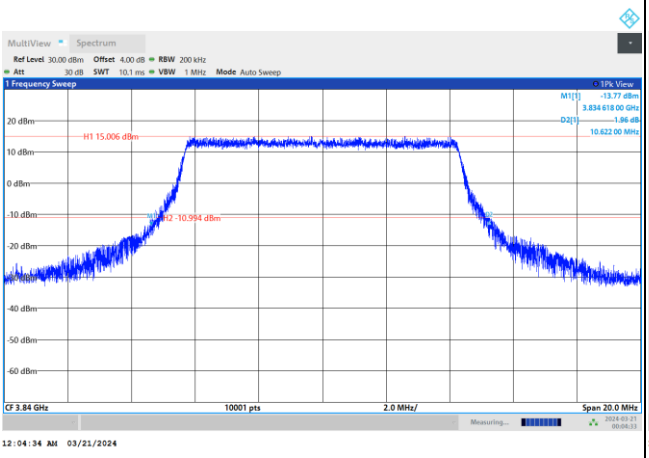
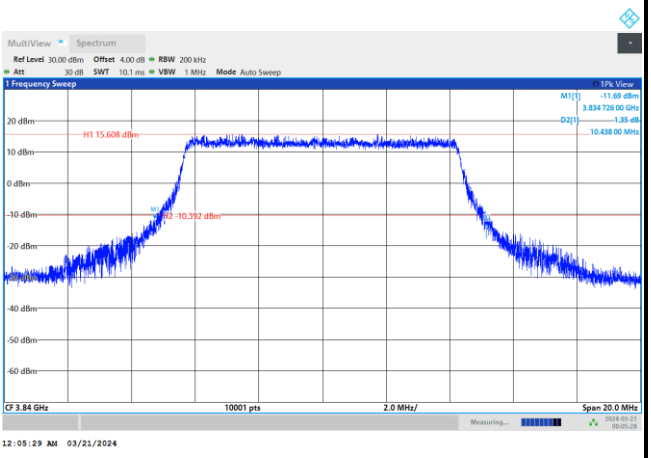
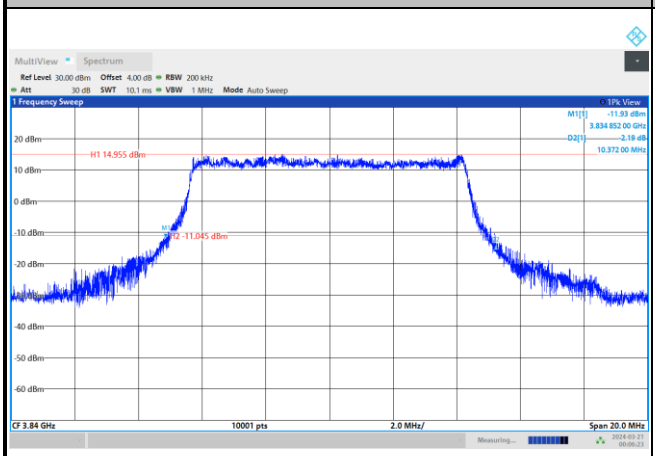
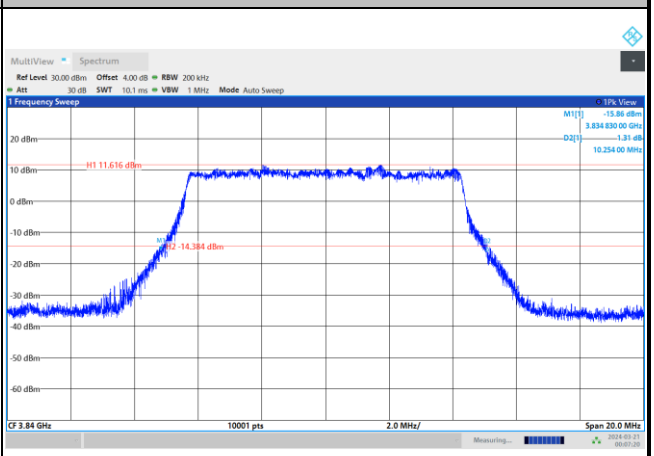


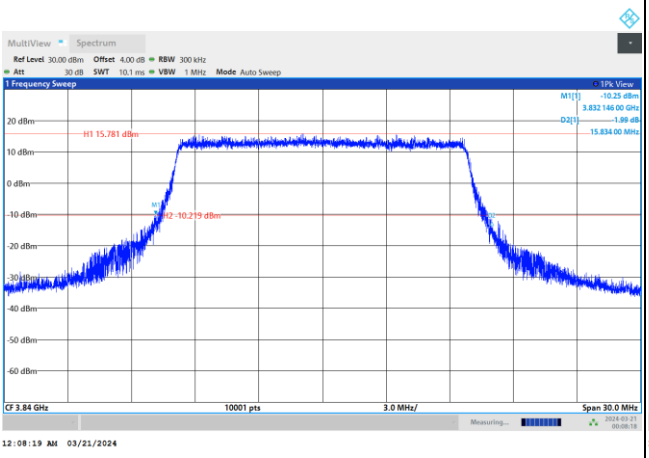
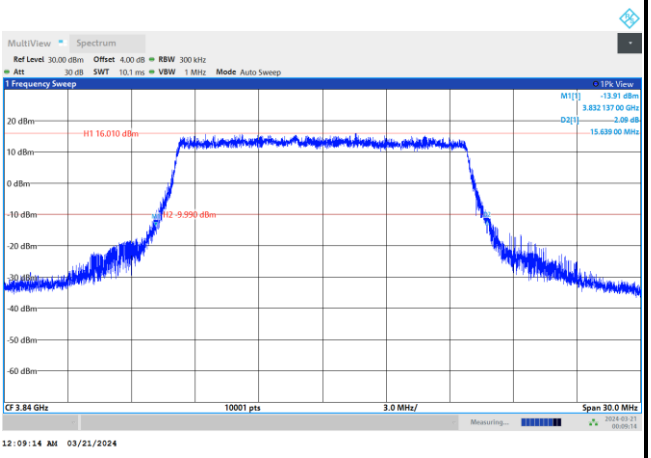
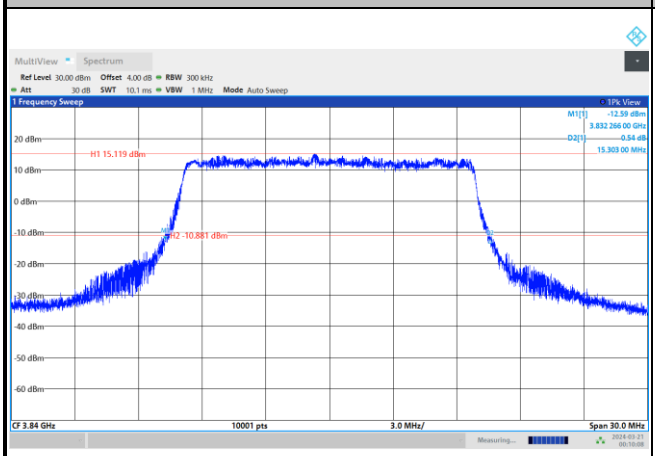
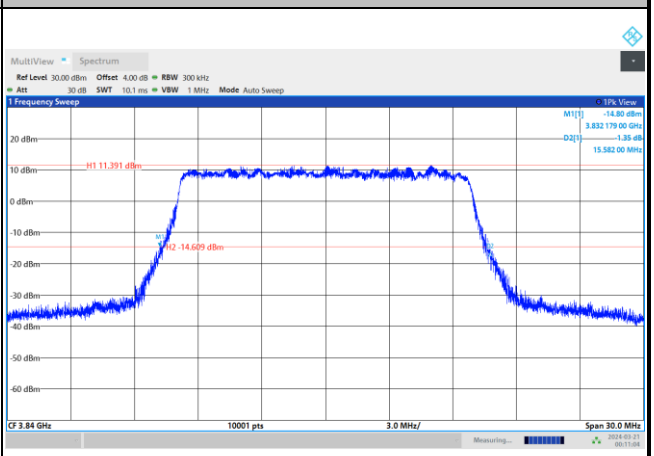
256QAM

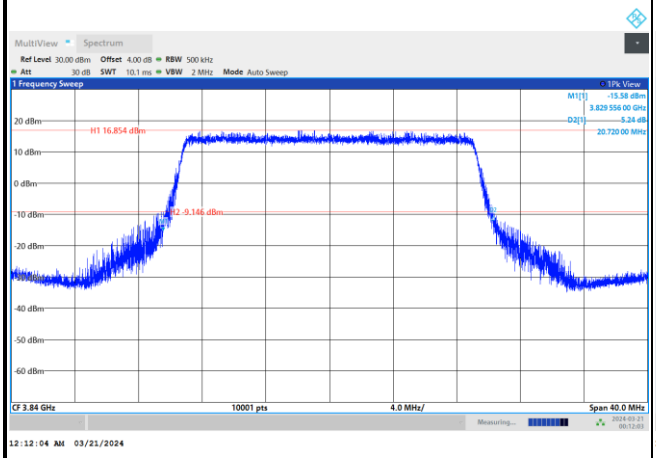
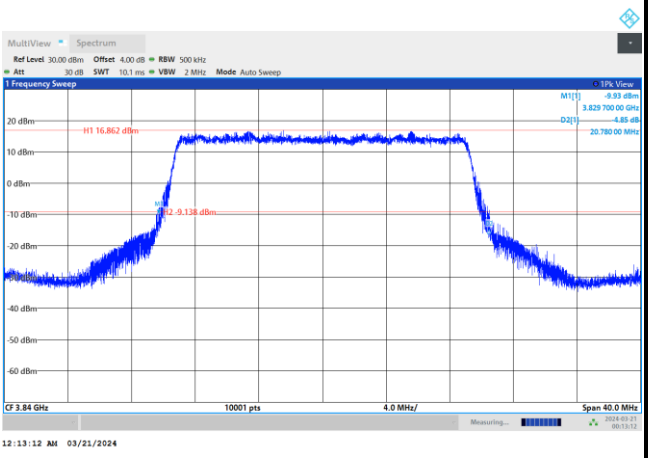
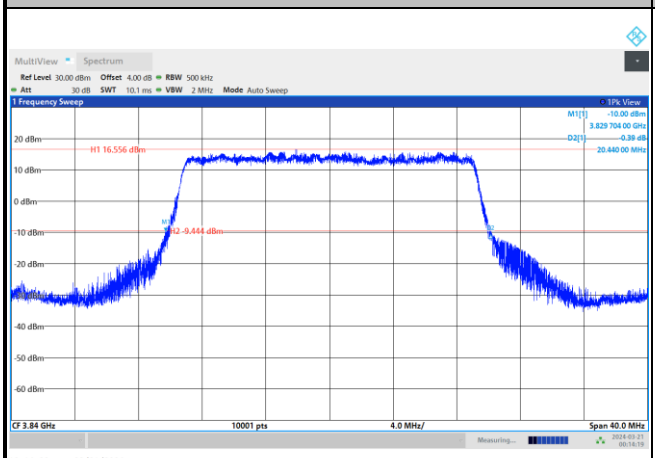
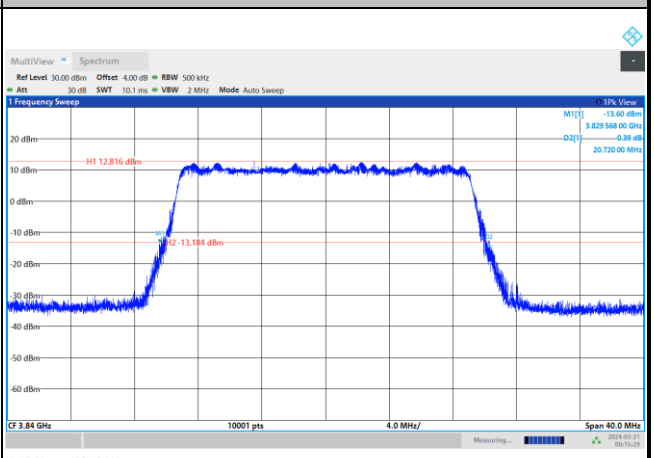


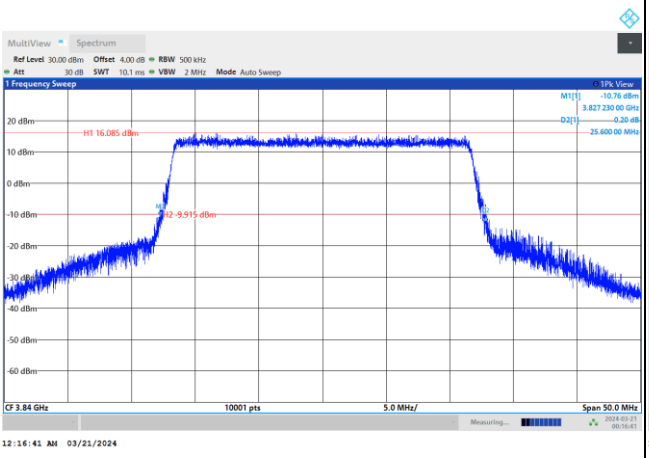
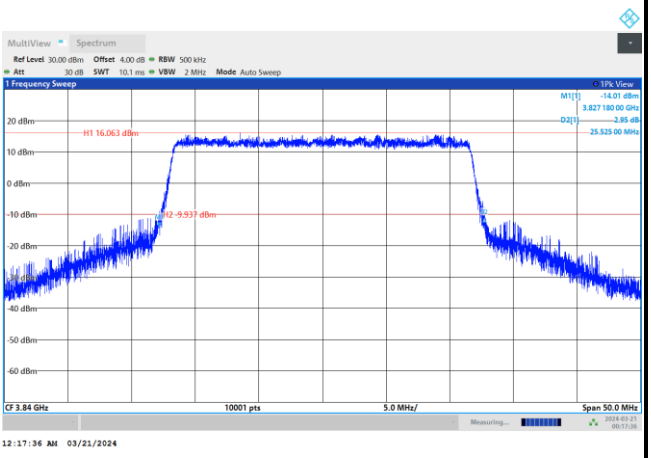
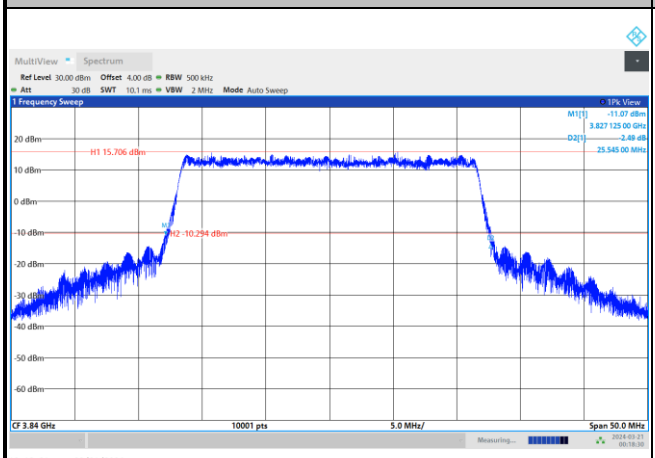
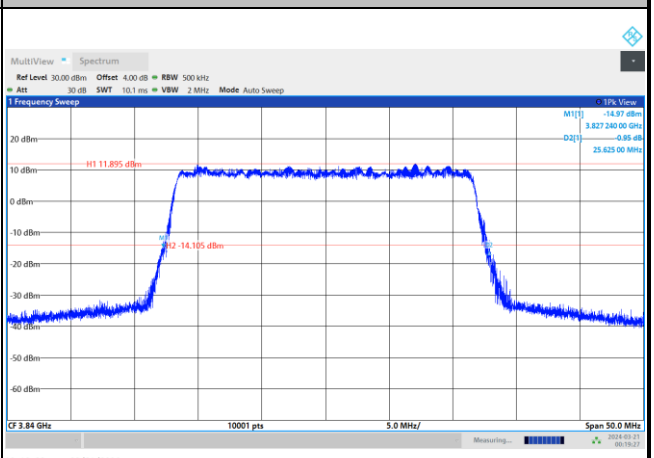
26dB Bandwidth

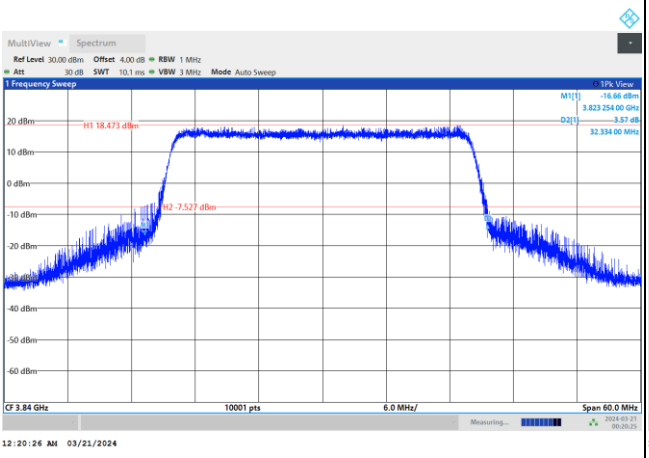
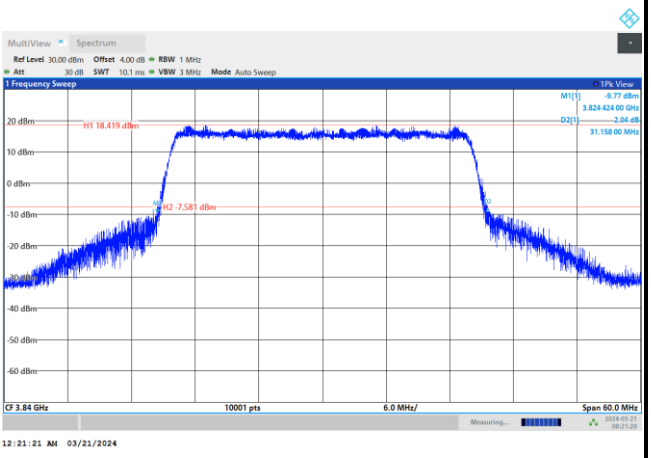
Mode	FR1 n77 : 26dB BW(MHz) / CP OFDM							
BW	10MHz		15MHz		20MHz		25MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	10.62	10.44	15.83	15.64	20.72	20.78	25.60	25.52
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	10.37	10.25	15.30	15.58	20.44	20.72	25.54	25.62
BW	30MHz		40MHz		50MHz		60MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	32.33	31.15	43.84	42.94	51.89	52.52	67.11	66.84
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	31.11	31.17	42.64	42.66	52.13	52.21	67.08	66.98
BW	70MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	76.65	76.88	84.70	84.24	96.19	96.42	106.40	107.08
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	77.14	76.09	85.16	84.88	96.57	98.01	106.82	106.08

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

FR1 n77 / 25MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

FR1 n77 / 30MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
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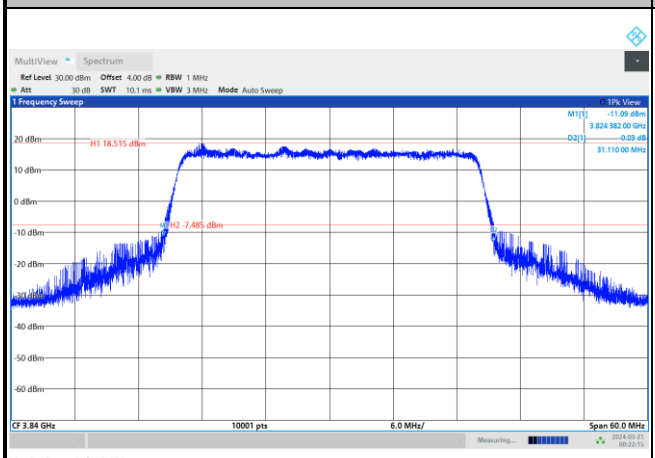
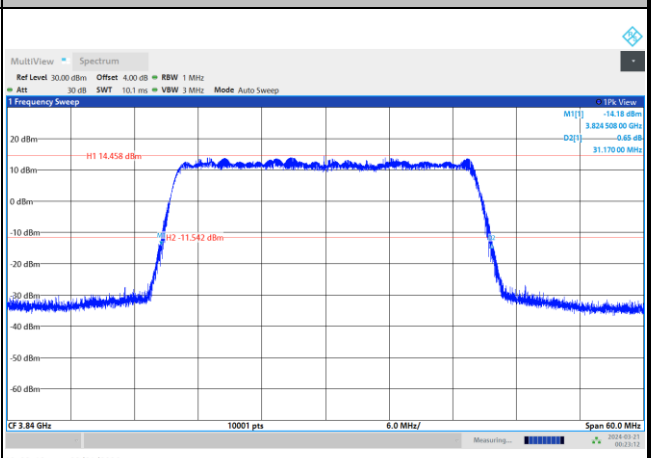
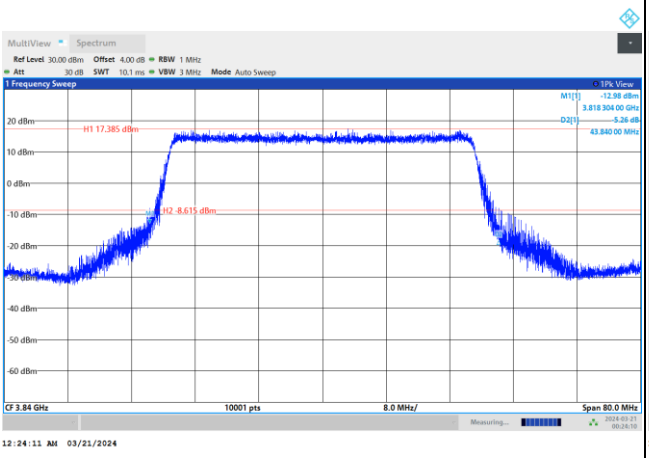
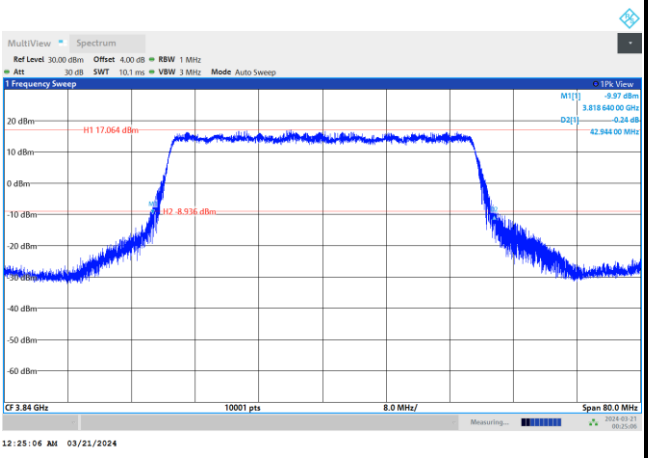
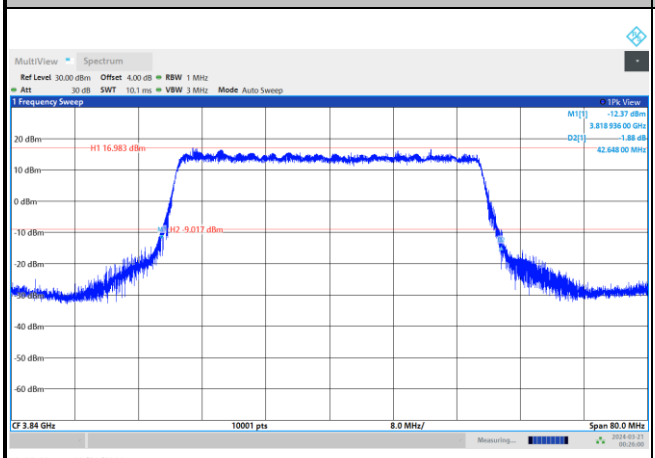
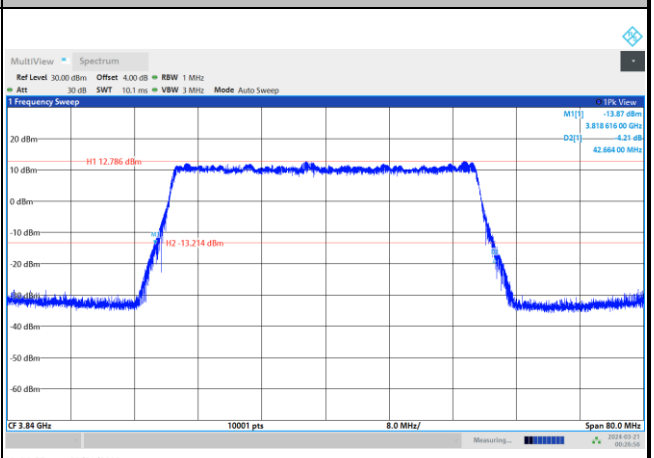
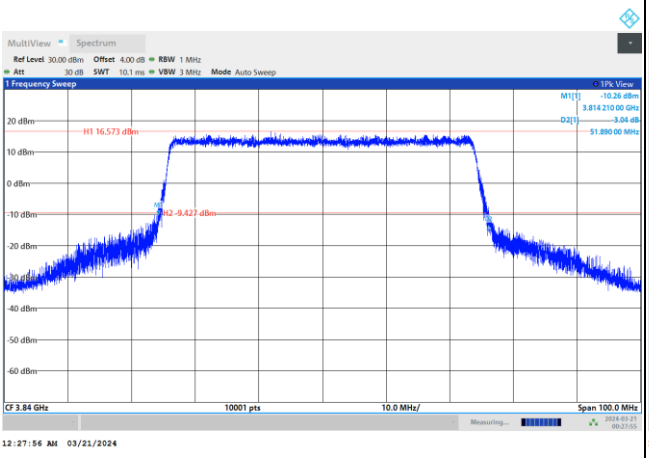
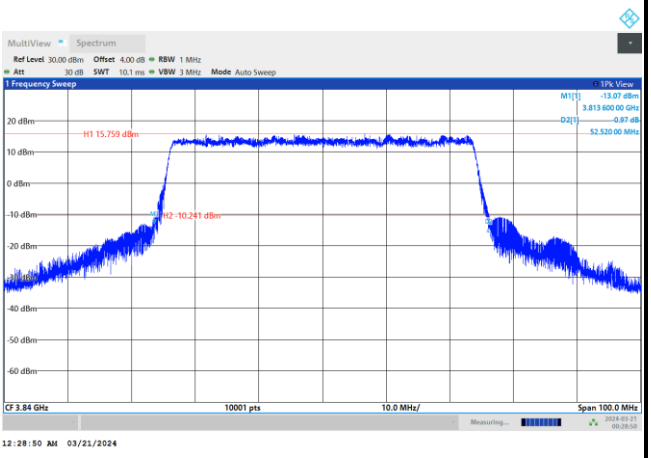
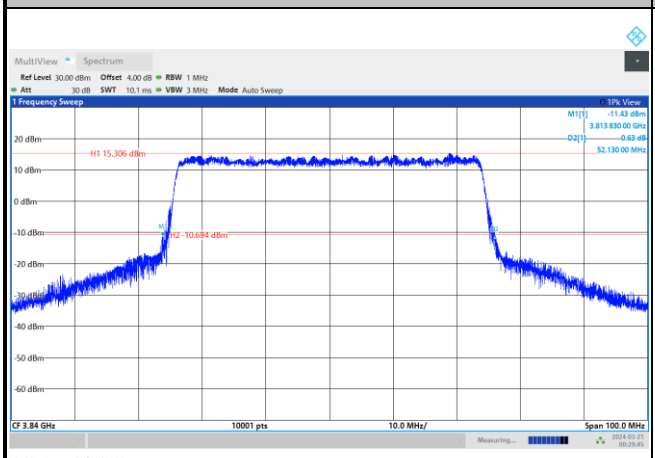
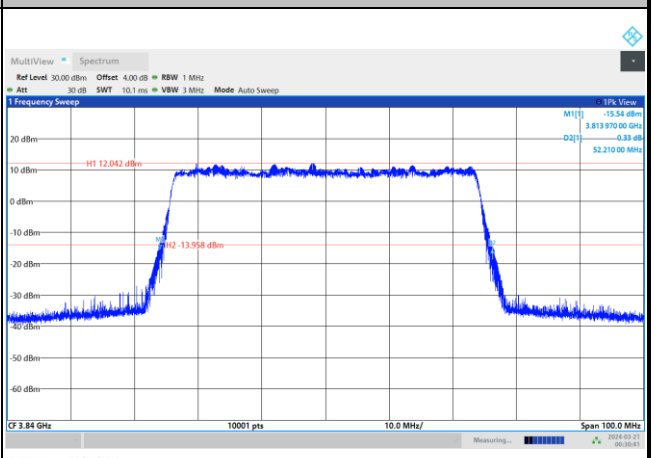
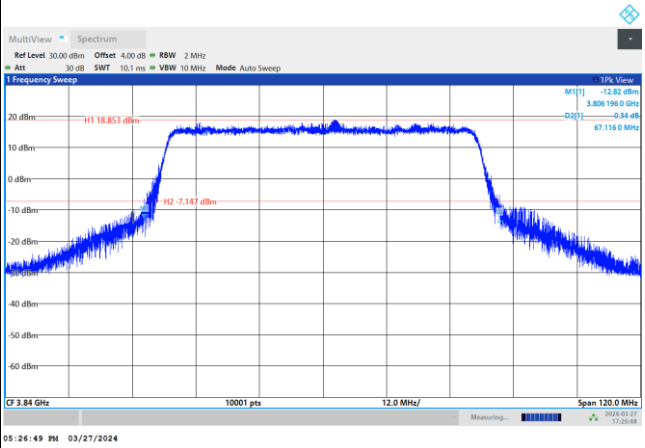
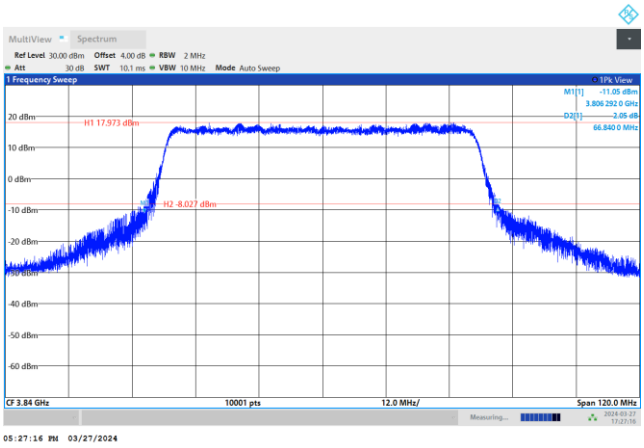
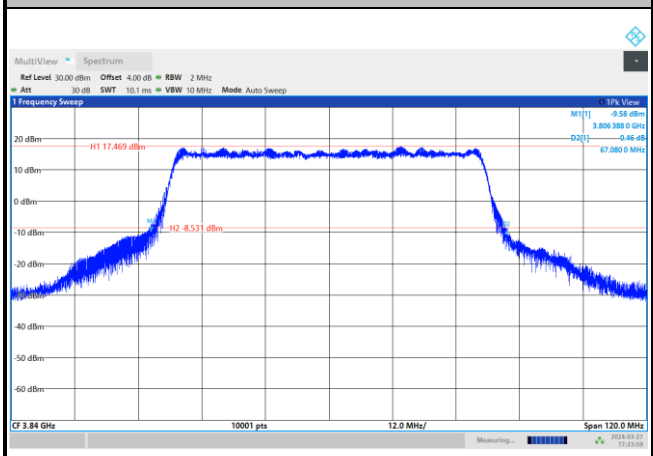
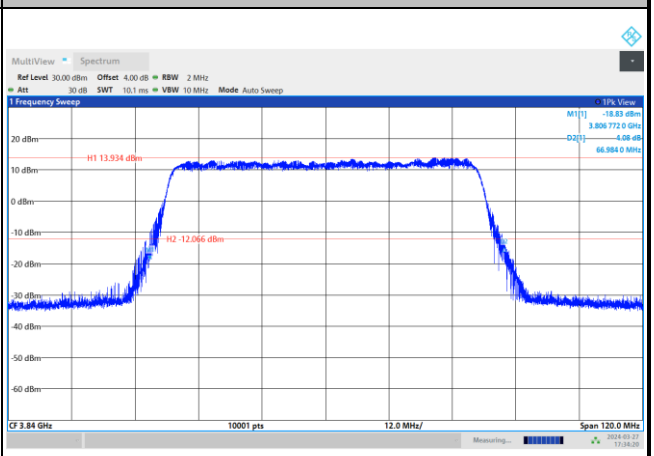
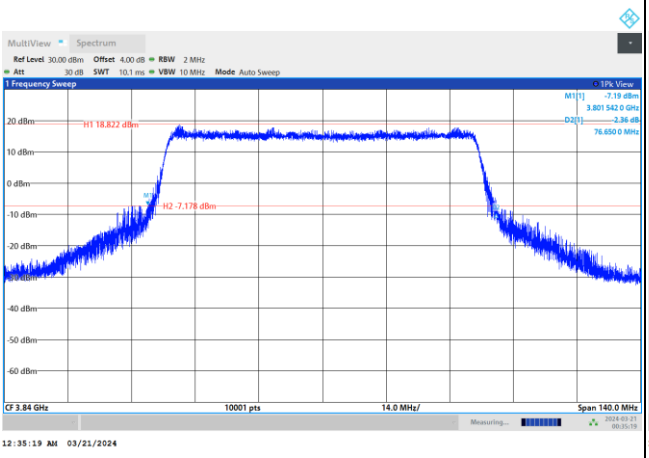
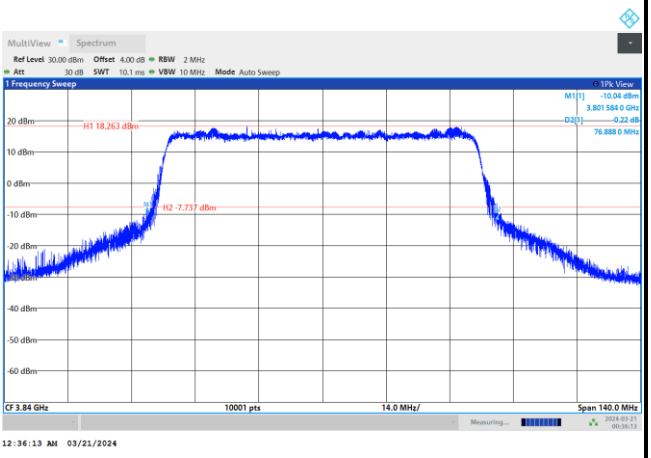
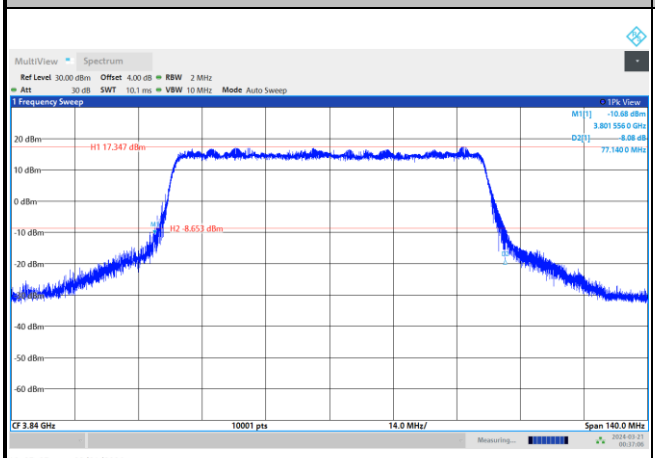
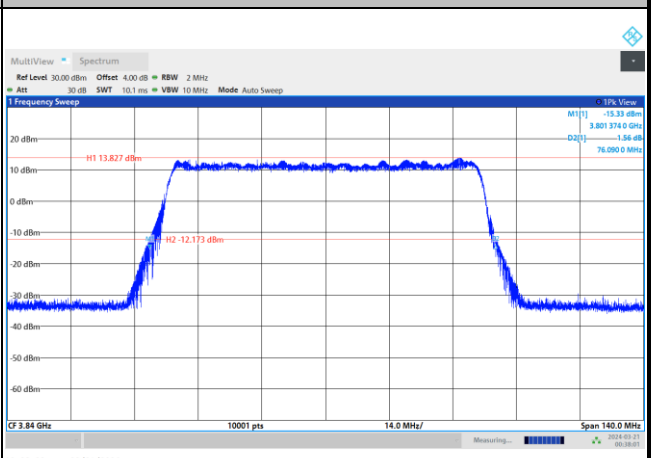
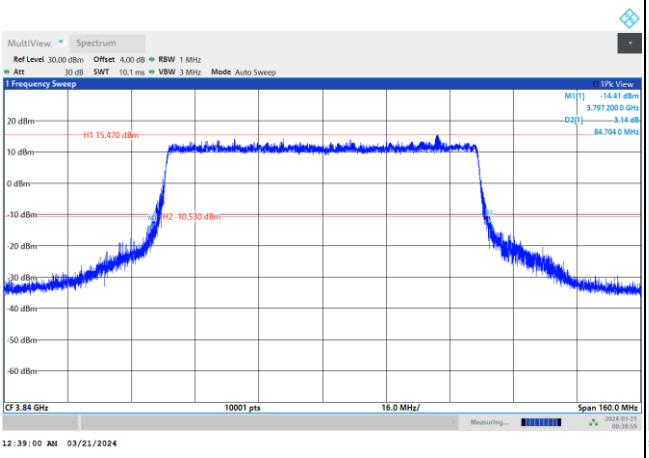
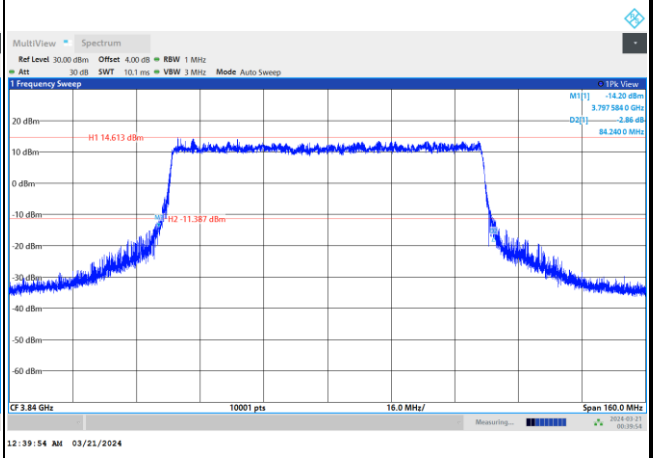
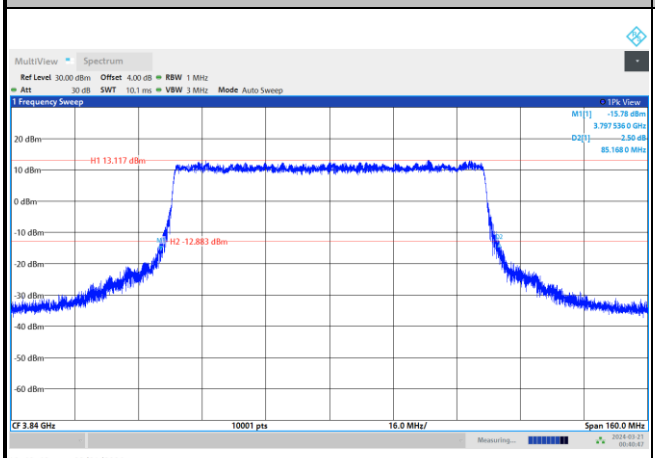
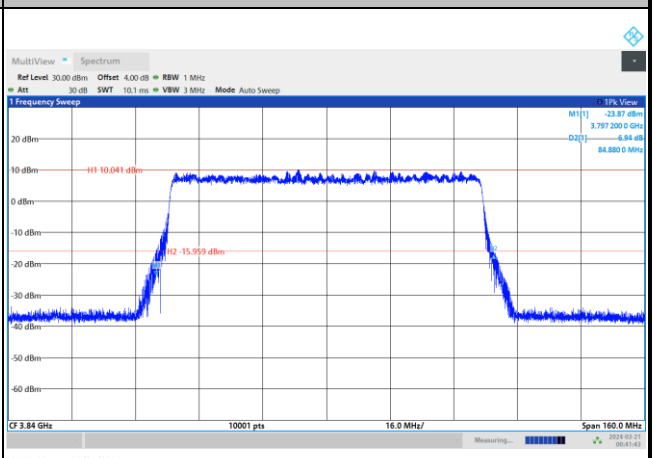
	

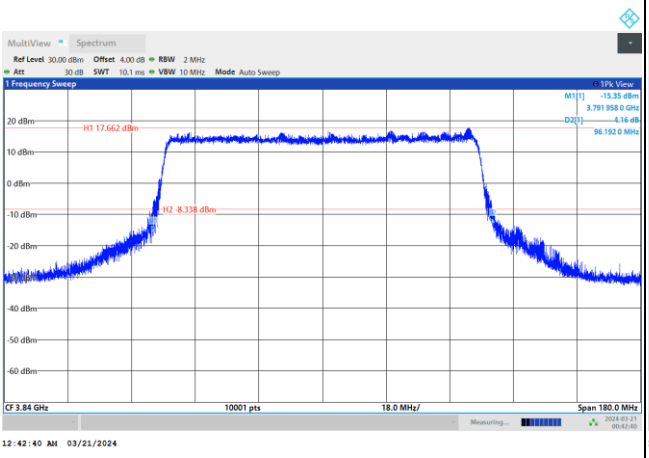
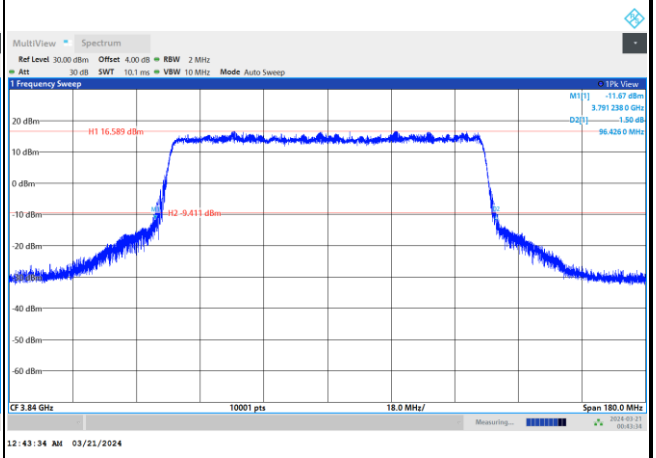
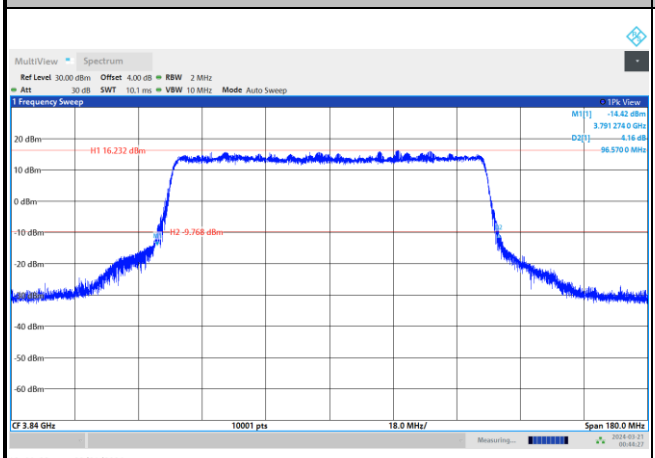
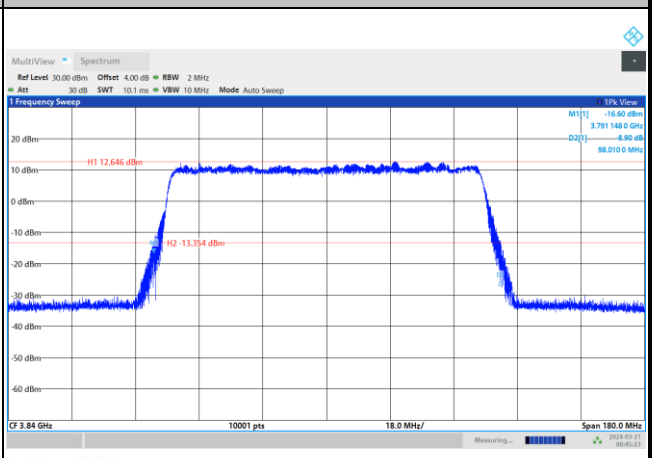
FR1 n77 / 40MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

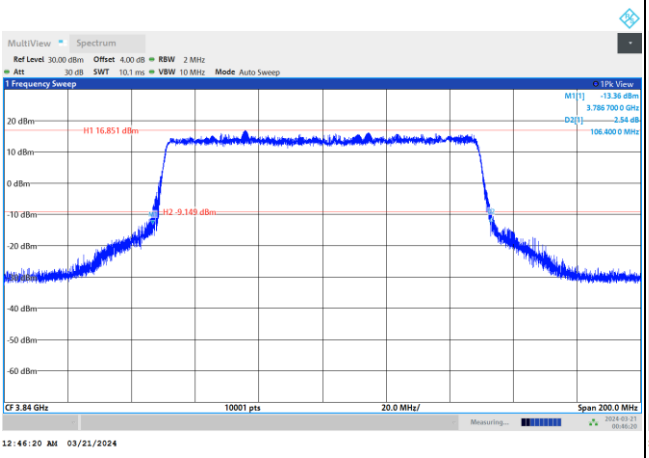
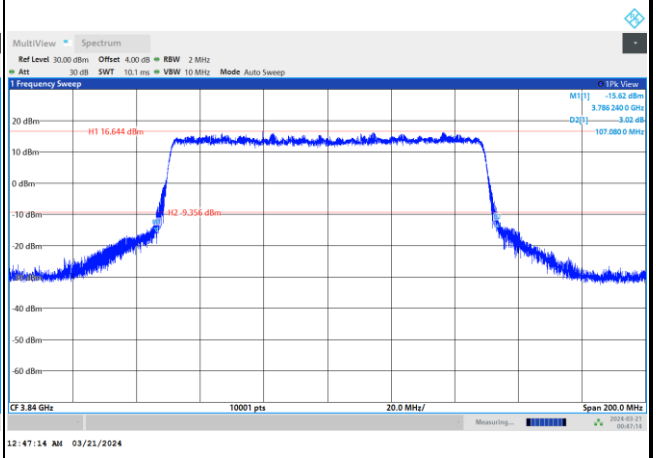
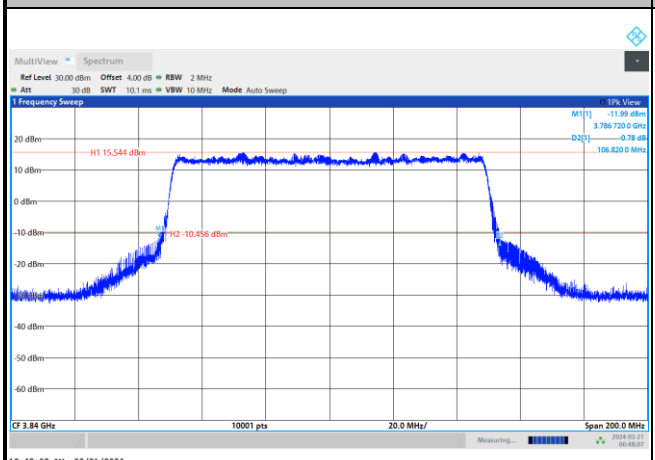
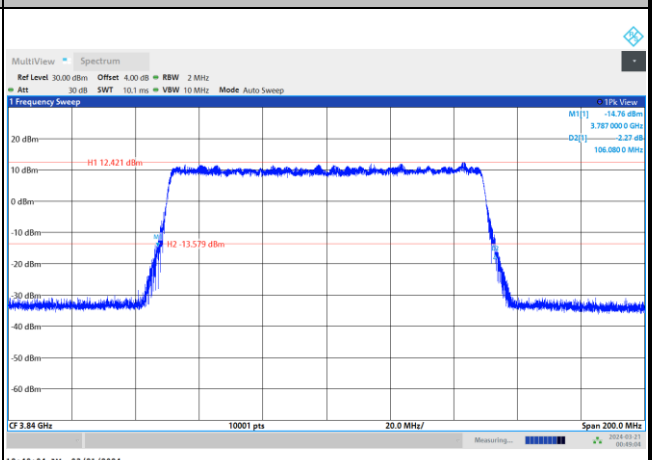
FR1 n77 / 50MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

FR1 n77 / 60MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

FR1 n77 / 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
	

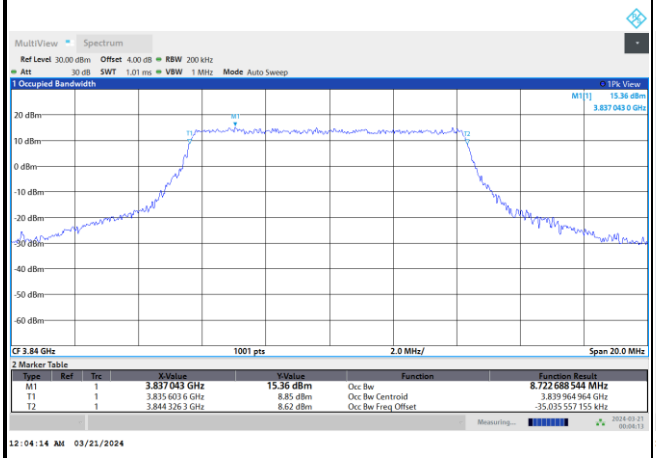
FR1 n77 / 100MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

Occupied Bandwidth

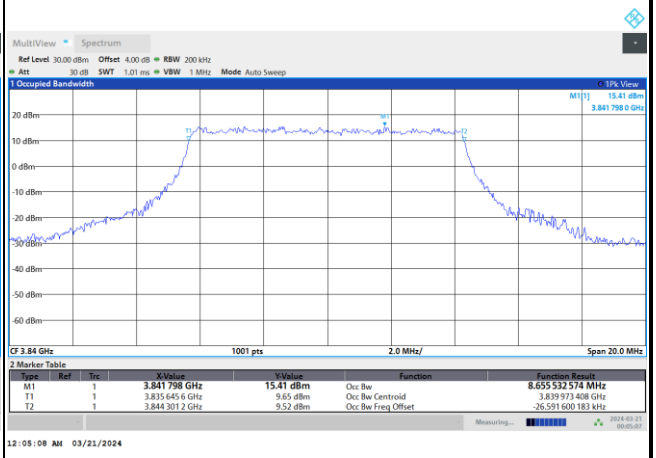
Mode	FR1 n77 : OB BW(MHz) / CP OFDM							
BW	10MHz		15MHz		20MHz		25MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	8.72	8.65	13.64	13.70	18.35	18.40	23.35	23.32
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	8.66	8.68	13.65	13.63	18.37	18.35	23.28	23.31
BW	30MHz		40MHz		50MHz		60MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	28.22	28.16	38.23	38.32	47.69	47.71	58.59	58.61
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	28.17	28.29	38.17	38.26	47.62	47.64	58.69	58.52
BW	70MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	68.27	68.11	78.17	78.16	88.03	87.94	97.94	97.87
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	68.37	68.31	78.05	77.96	88.15	87.98	97.96	97.83

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

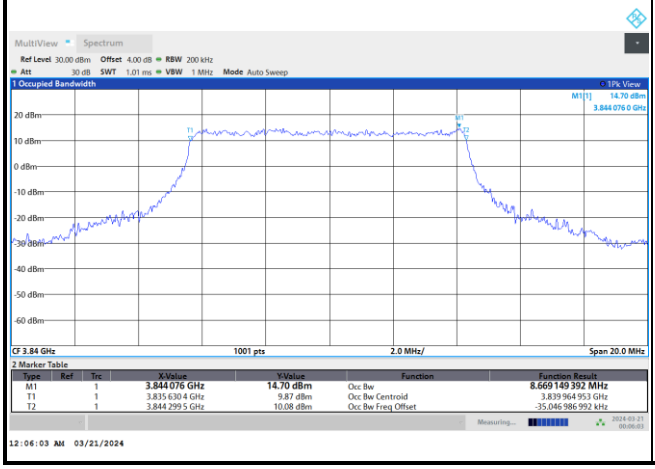
QPSK



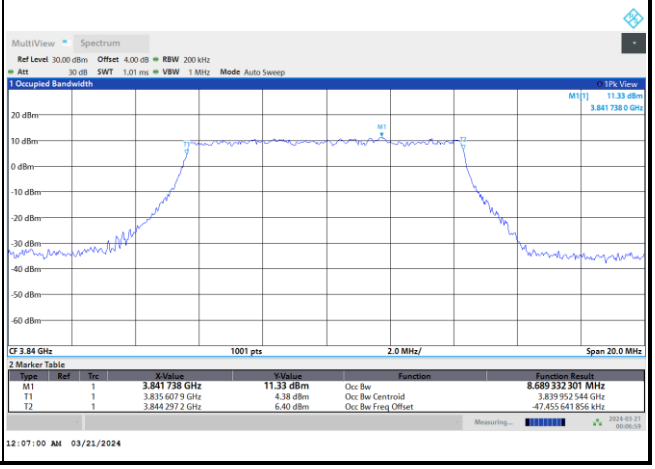
16QAM



64QAM

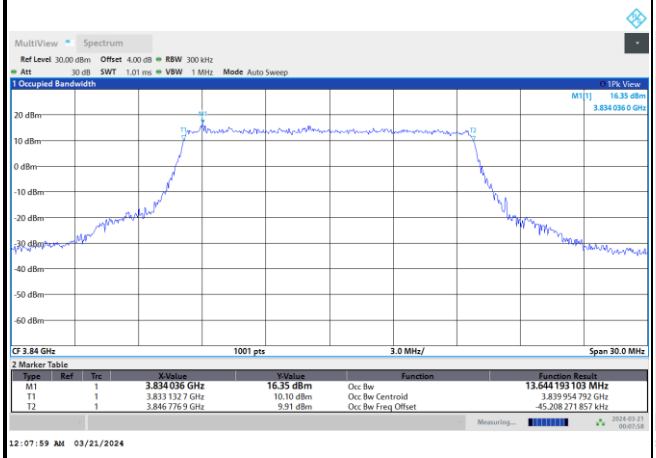


256QAM

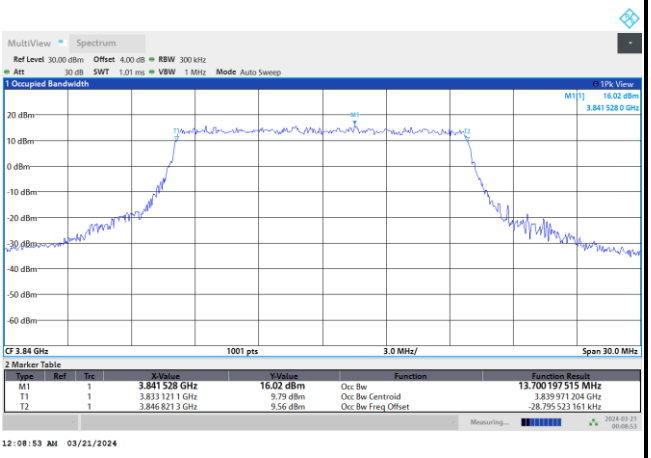


FR1 n77 / 15MHz / CP OFDM / Middle Channel / Full RB

QPSK



16QAM



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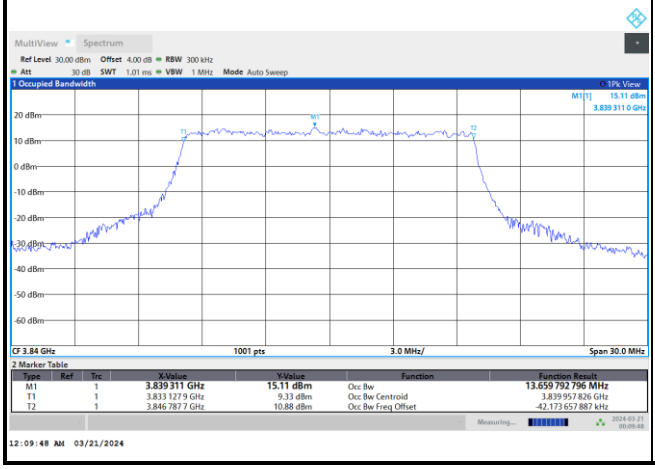
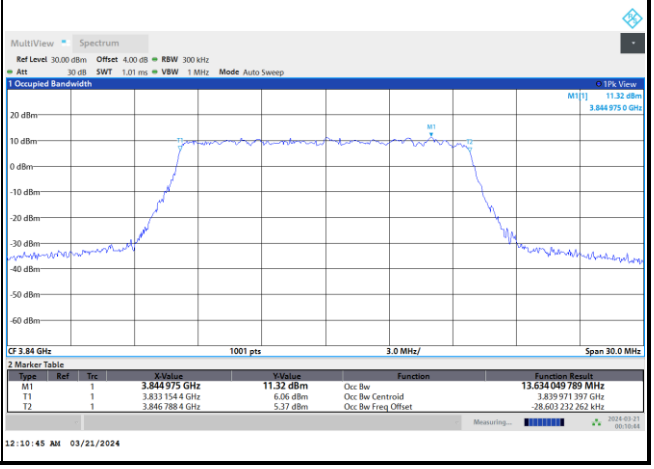
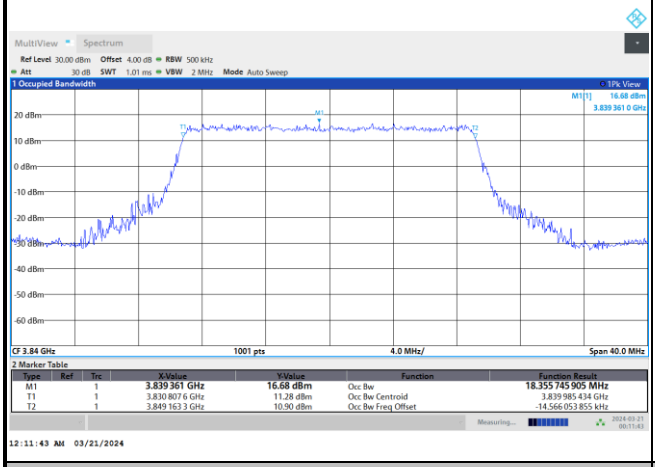
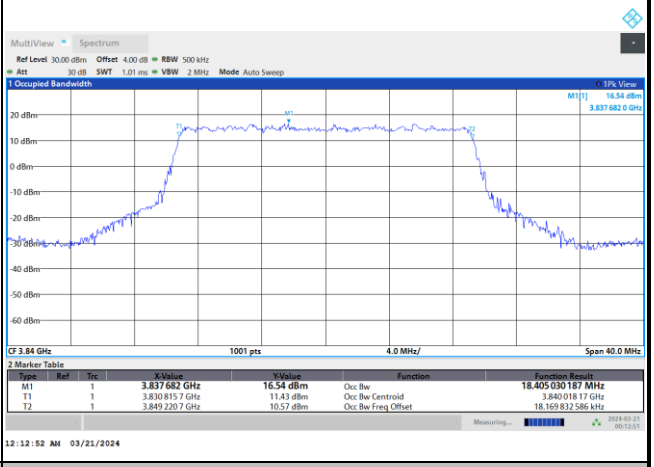
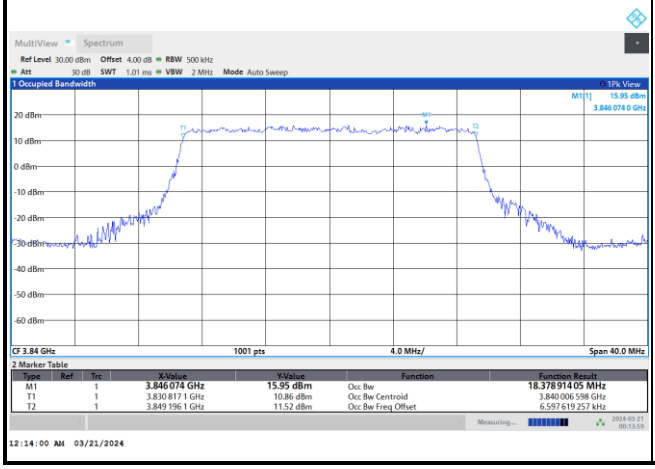
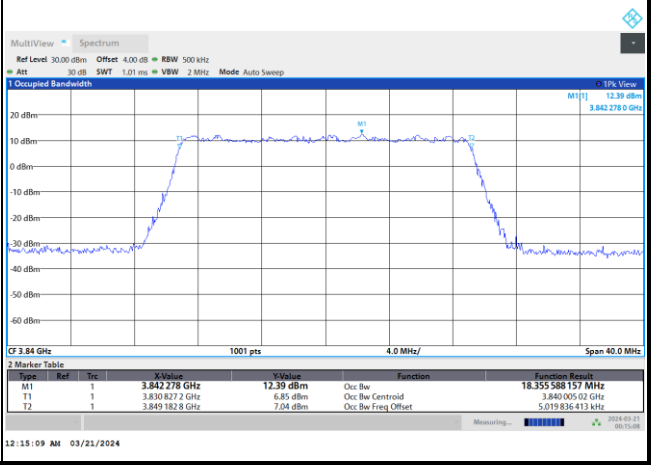


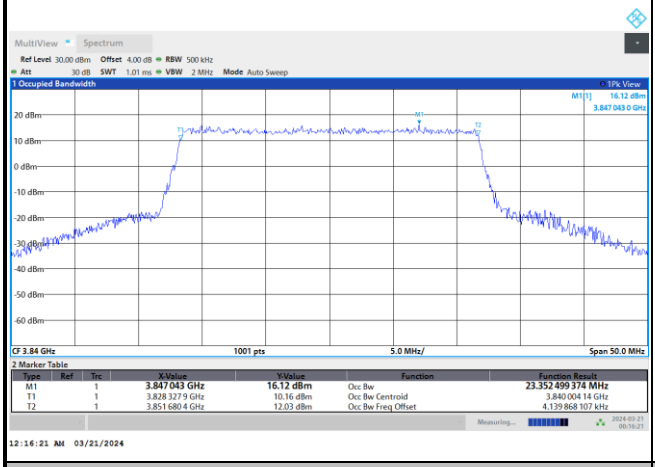
256QAM



FR1 n77 / 20MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

FR1 n77 / 25MHz / CP OFDM / Middle Channel / Full RB

QPSK



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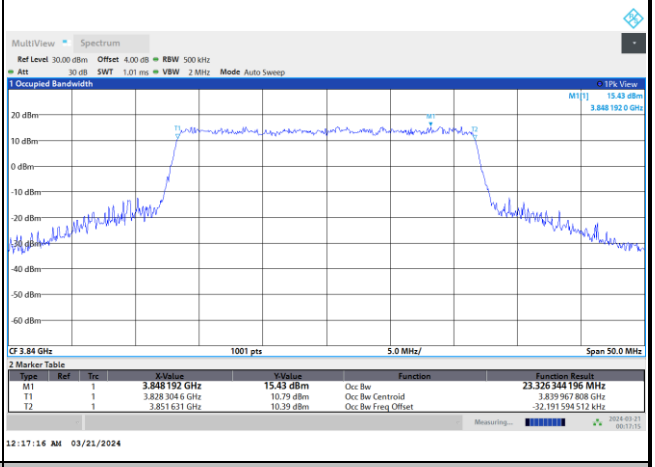
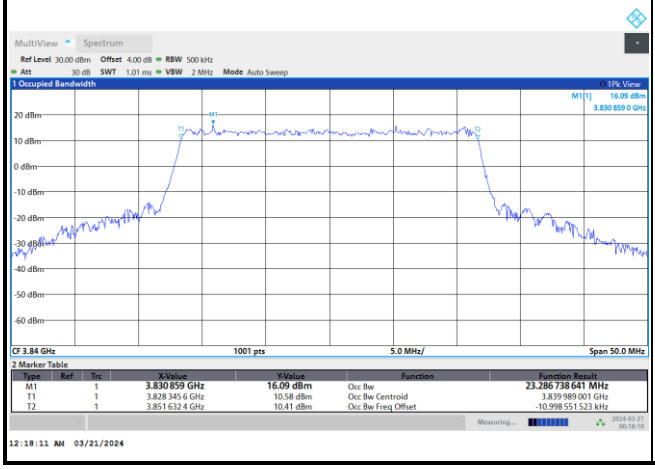


64QAM



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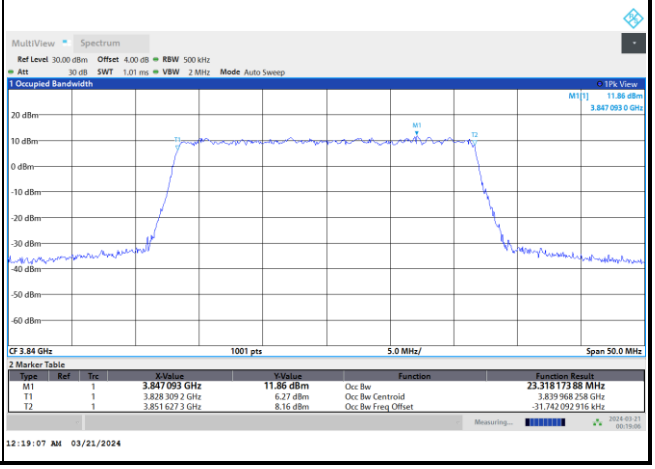
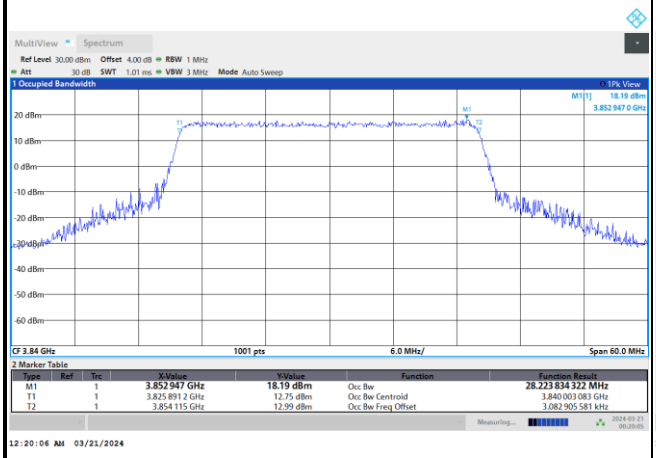


FR1 n77 / 30MHz / CP OFDM / Middle Channel / Full RB

QPSK



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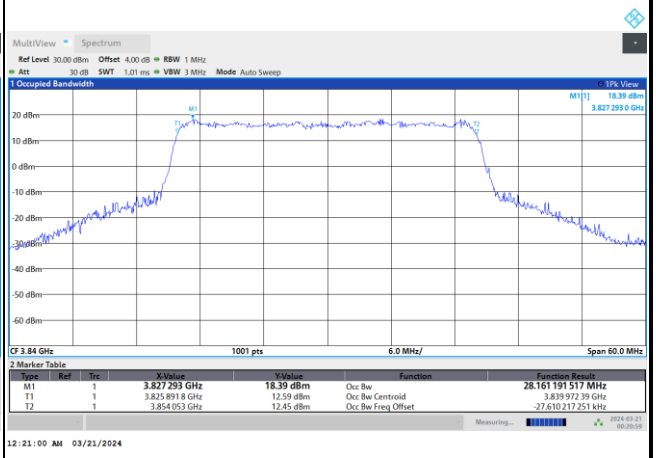

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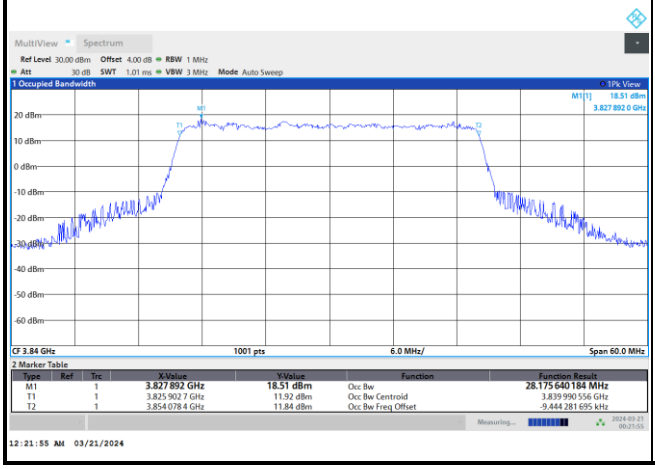

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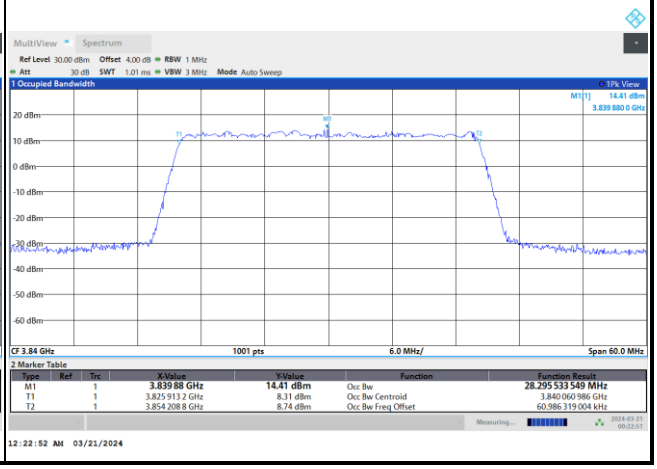
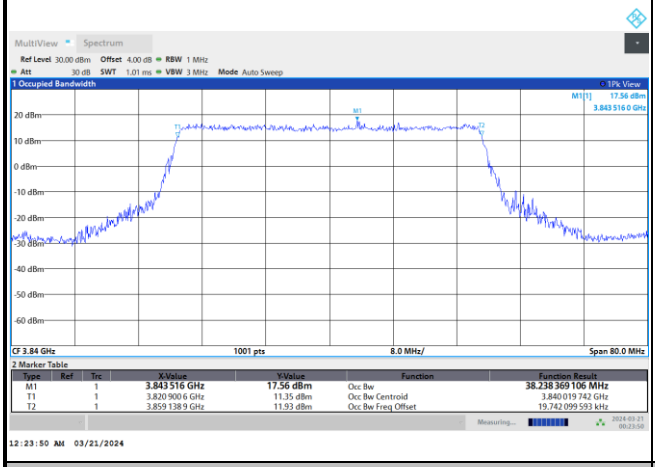
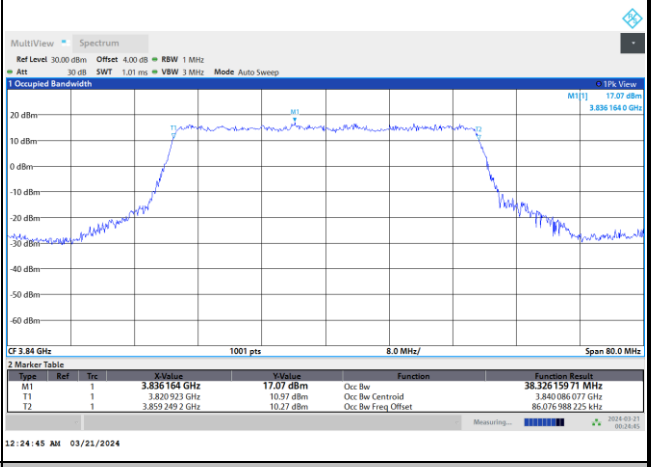


FR1 n77 / 40MHz / CP OFDM / Middle Channel / Full RB

QPSK



16QAM



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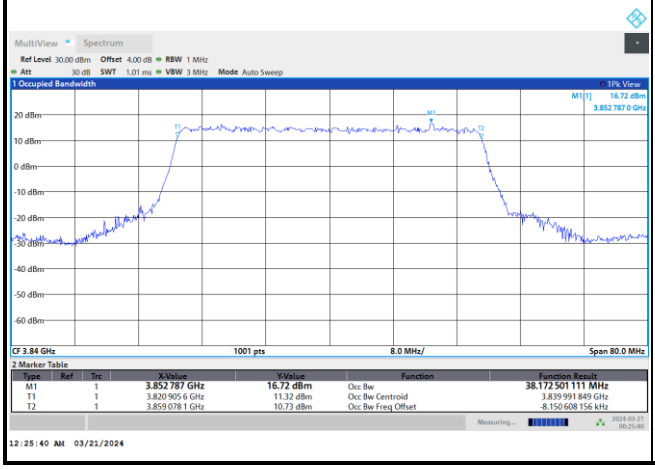

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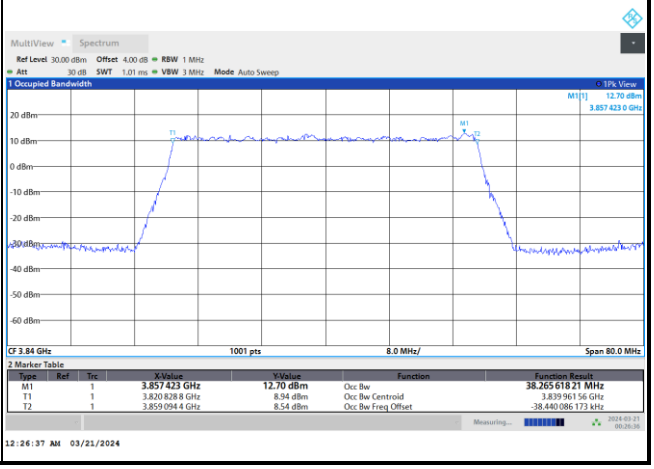
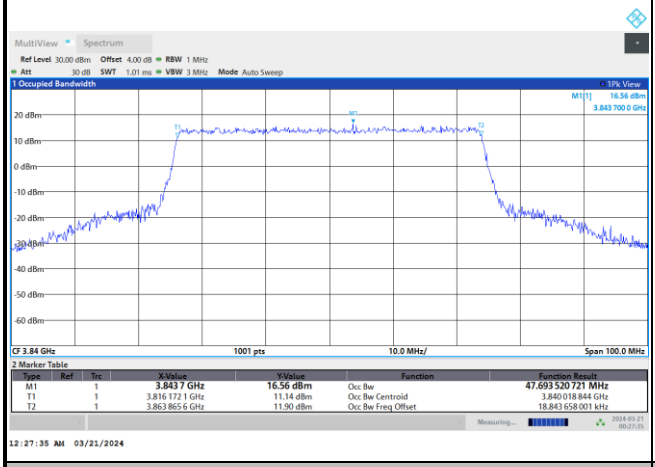
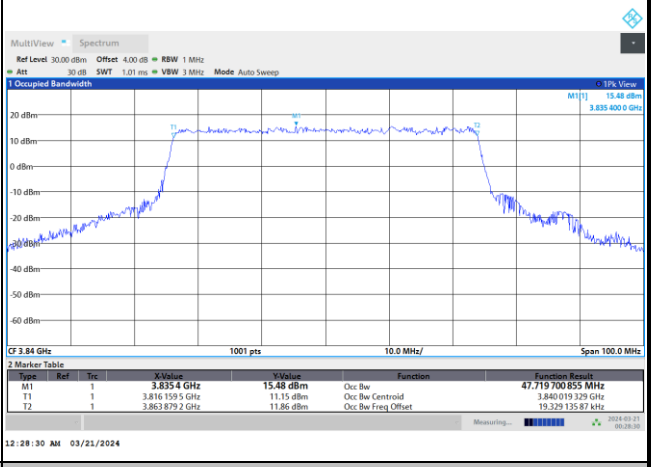


FR1 n77 / 50MHz / CP OFDM / Middle Channel / Full RB

QPSK



16QAM



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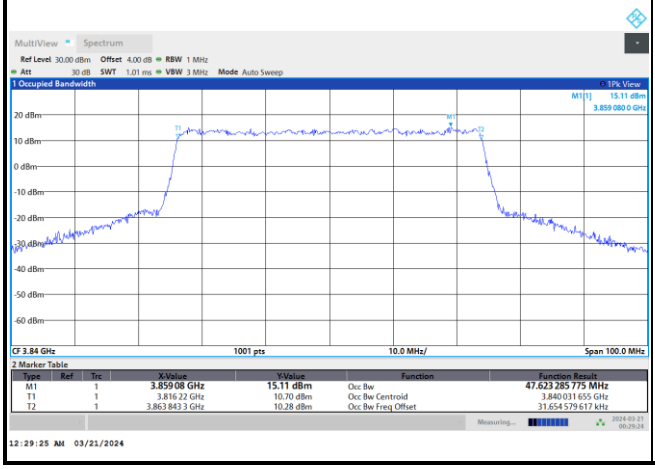

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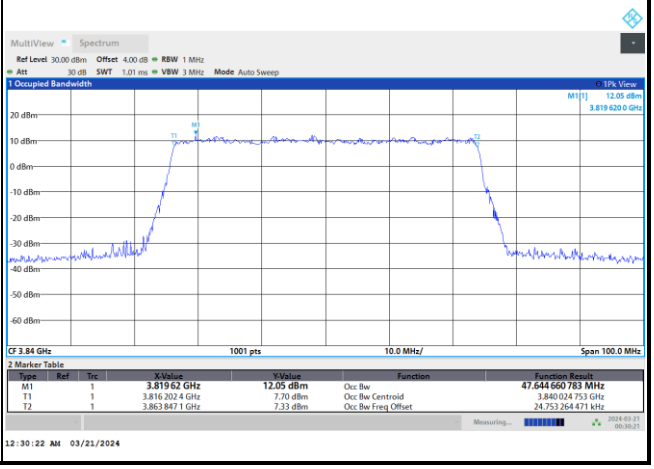
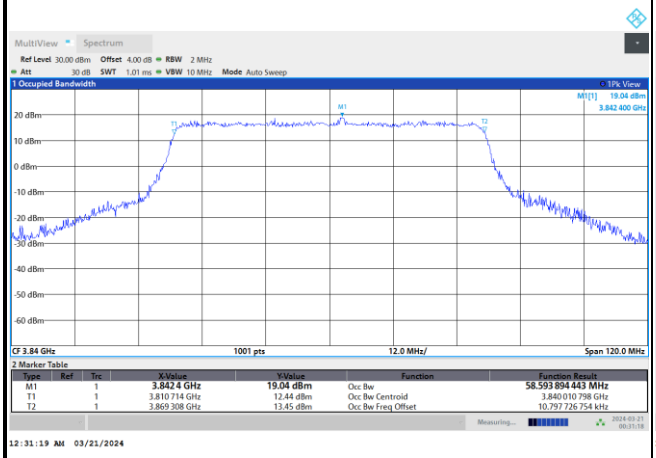
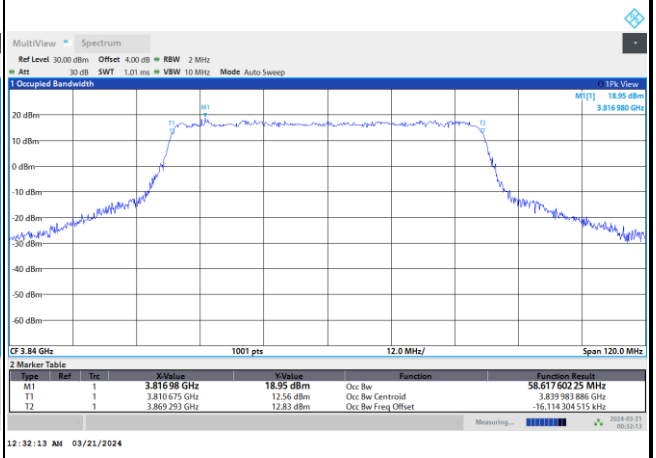


FR1 n77 / 60MHz / CP OFDM / Middle Channel / Full RB

QPSK



16QAM



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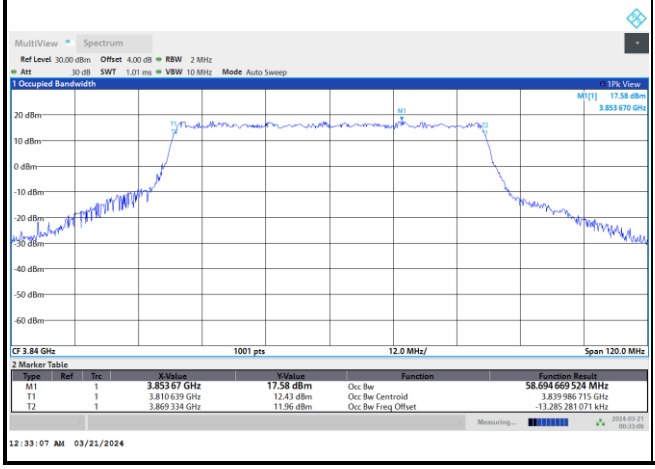
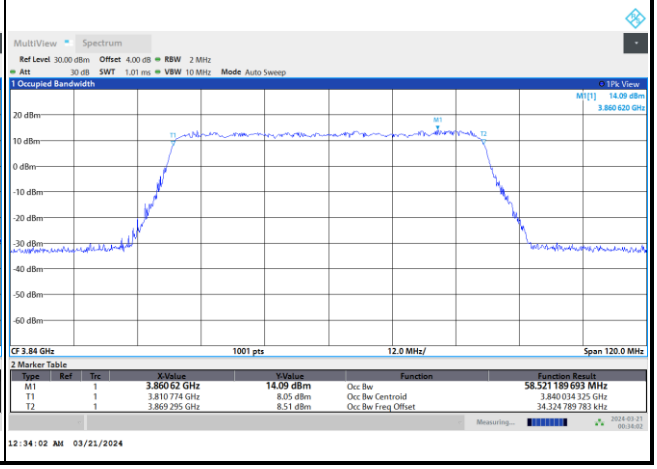
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