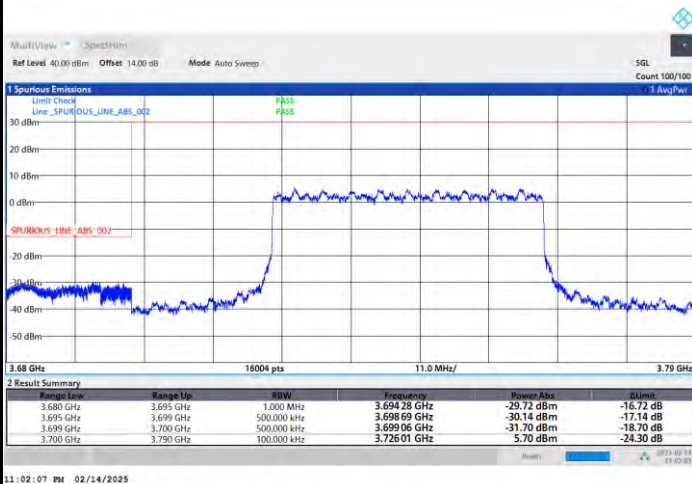




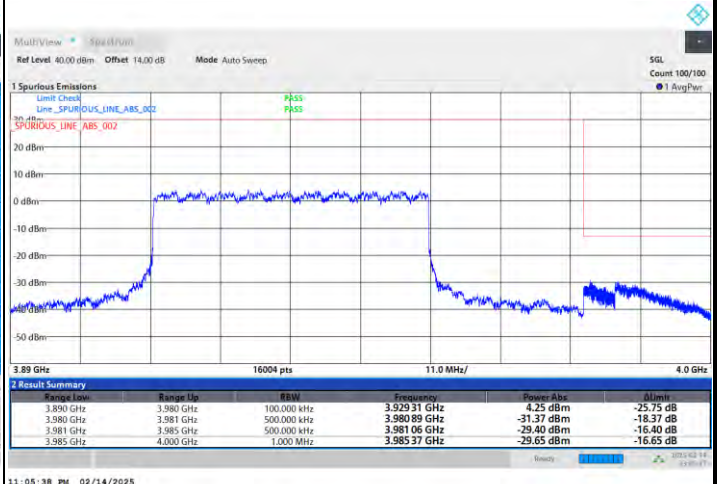
FR1 n77 / 90MHz / DFT-S OFDM / QPSK

Lowest Band Edge / Inner Full RB

Highest Band Edge / Inner Full RB



11:02:07 PM 02/14/2025



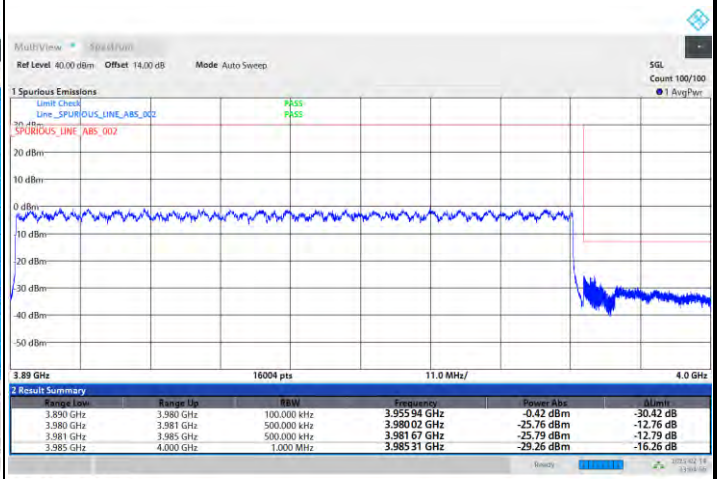
11:05:38 PM 02/14/2025

Lowest Band Edge / Outer Full RB

Highest Band Edge / Outer Full RB



11:01:25 PM 02/14/2025



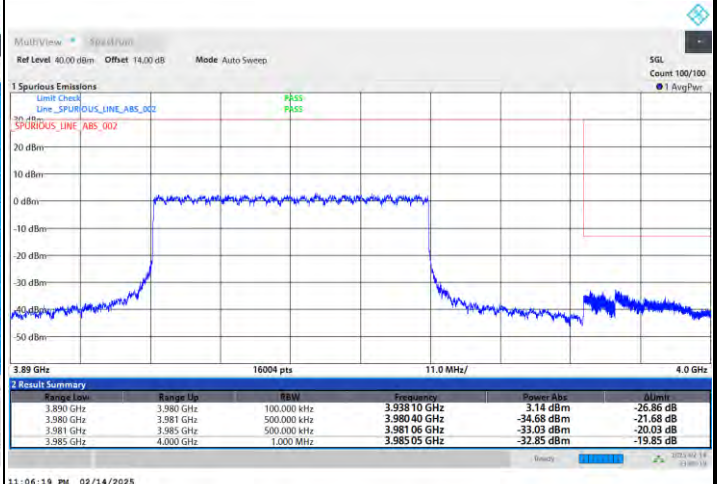
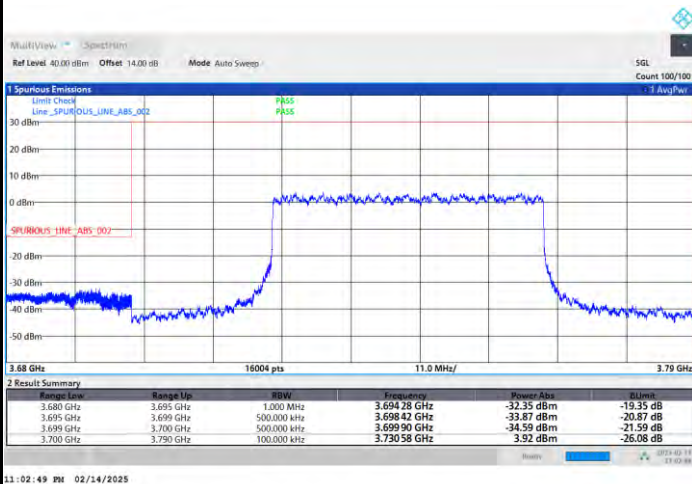
11:04:56 PM 02/14/2025



FR1 n77 / 90MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / Inner Full RB

Highest Band Edge / Inner Full RB

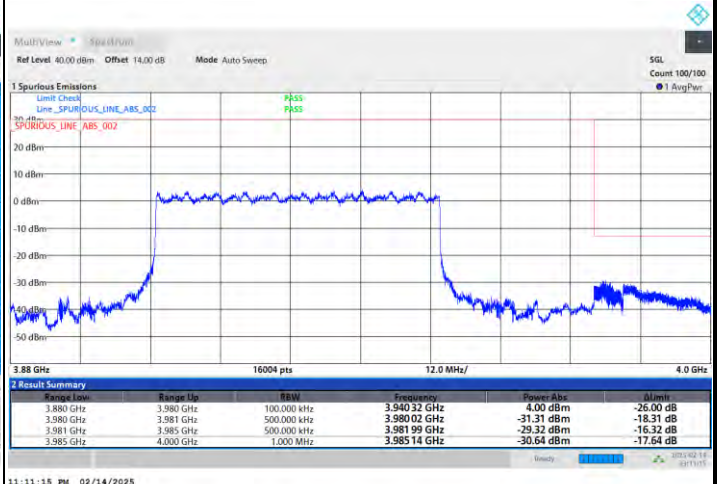
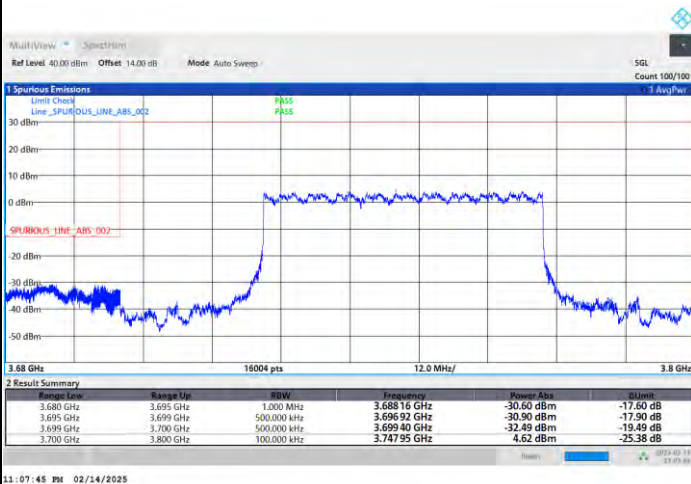




FR1 n77 / 100MHz / DFT-S OFDM / PI/2 BPSK

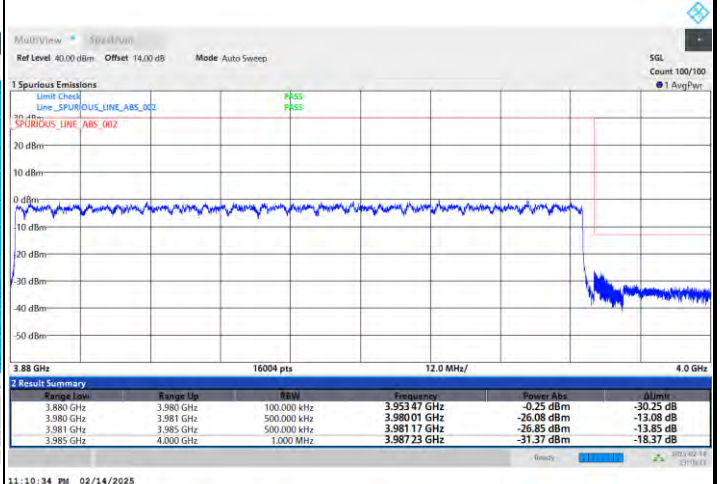
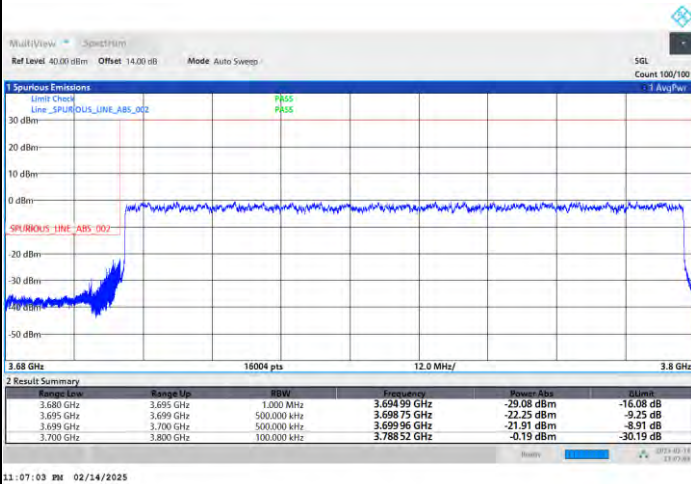
Lowest Band Edge / Inner Full RB

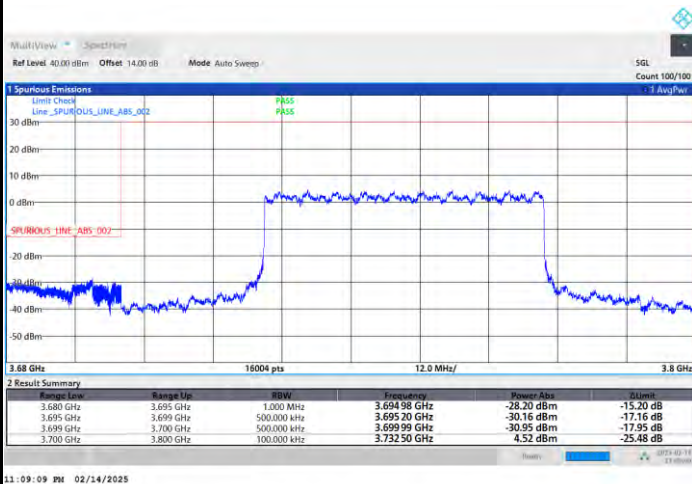
Highest Band Edge / Inner Full RB



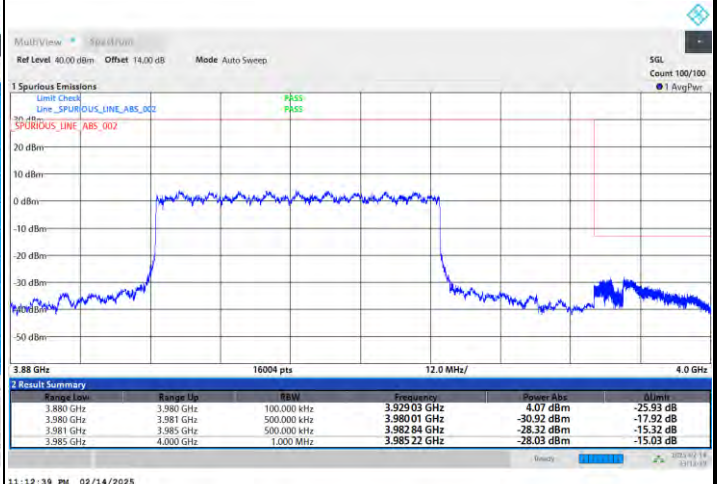
Lowest Band Edge / Outer Full RB

Highest Band Edge / Outer Full RB

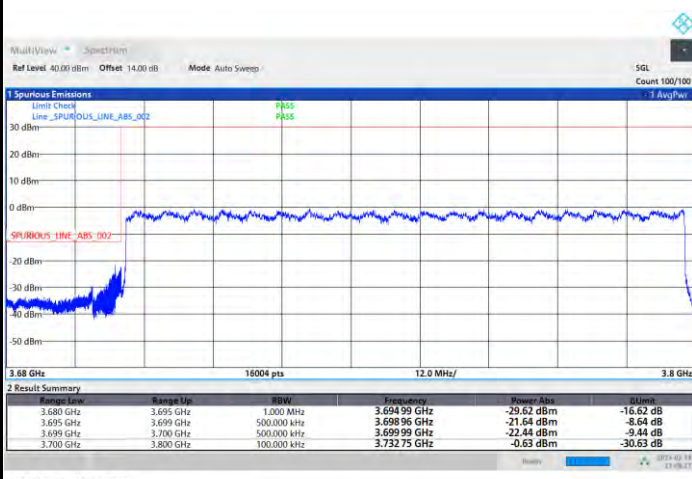


**FR1 n77 / 100MHz / DFT-S OFDM / QPSK****Lowest Band Edge / Inner Full RB****Highest Band Edge / Inner Full RB**

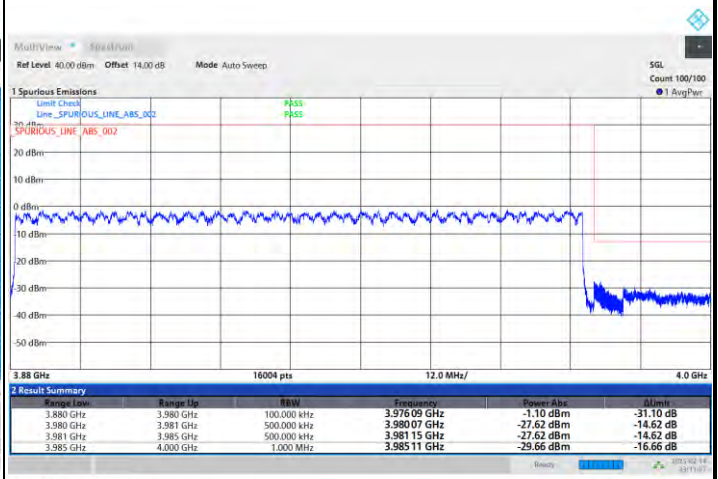
11:09:09 PM 02/14/2025



11:12:39 PM 02/14/2025

Lowest Band Edge / Outer Full RB**Highest Band Edge / Outer Full RB**

11:08:27 PM 02/14/2025



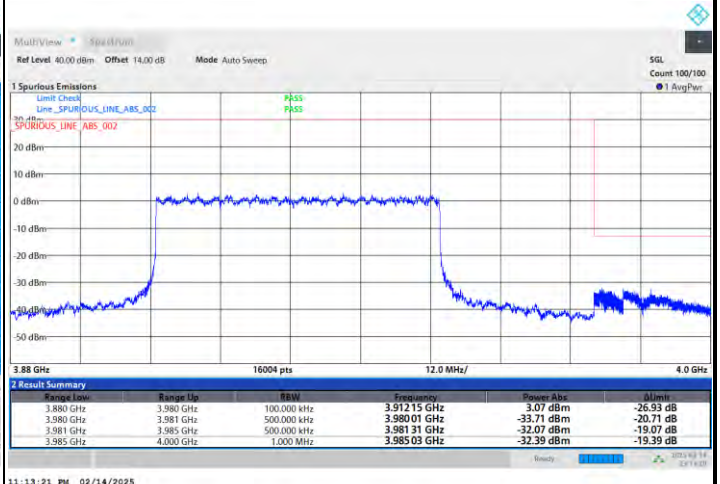
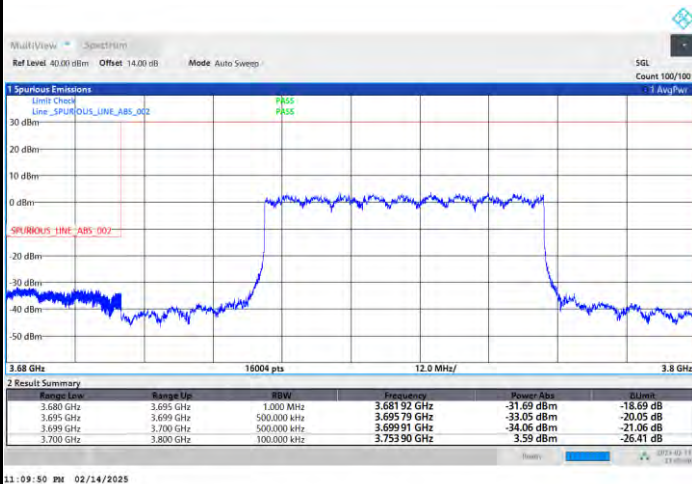
11:11:57 PM 02/14/2025



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



Middle Channel



Highest Channel





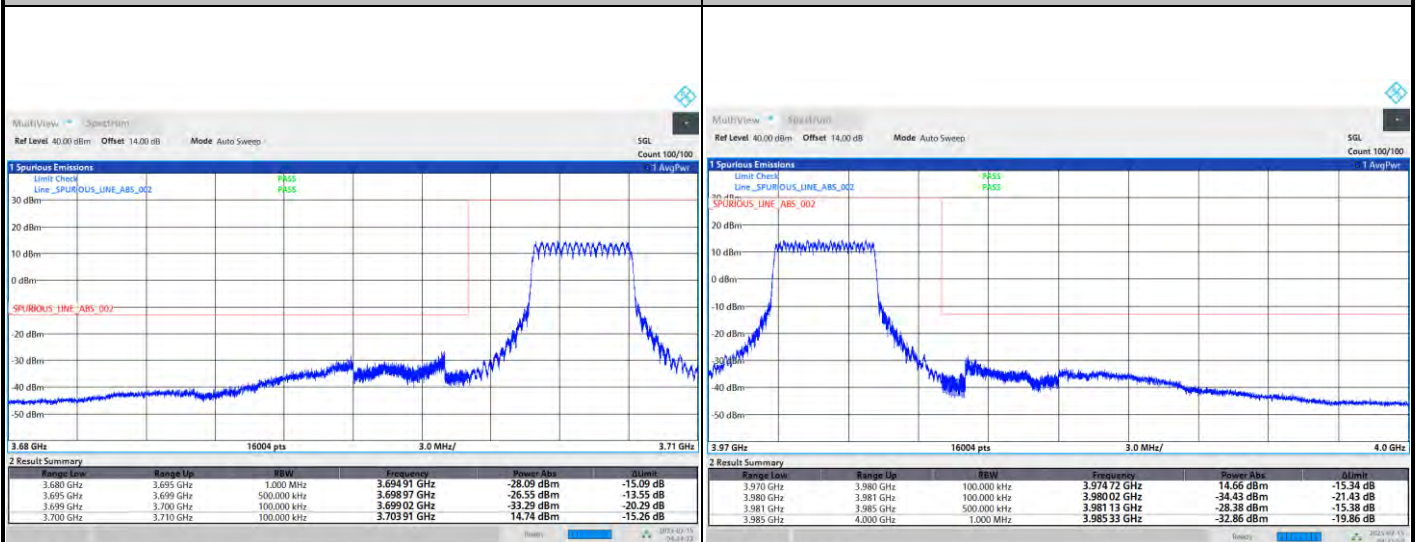
MIMO <Ant. 6+1> (Ant. 1)

Conducted Band Edge

FR1 n77 / 10MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / Inner Full RB

Highest Band Edge / Inner Full RB

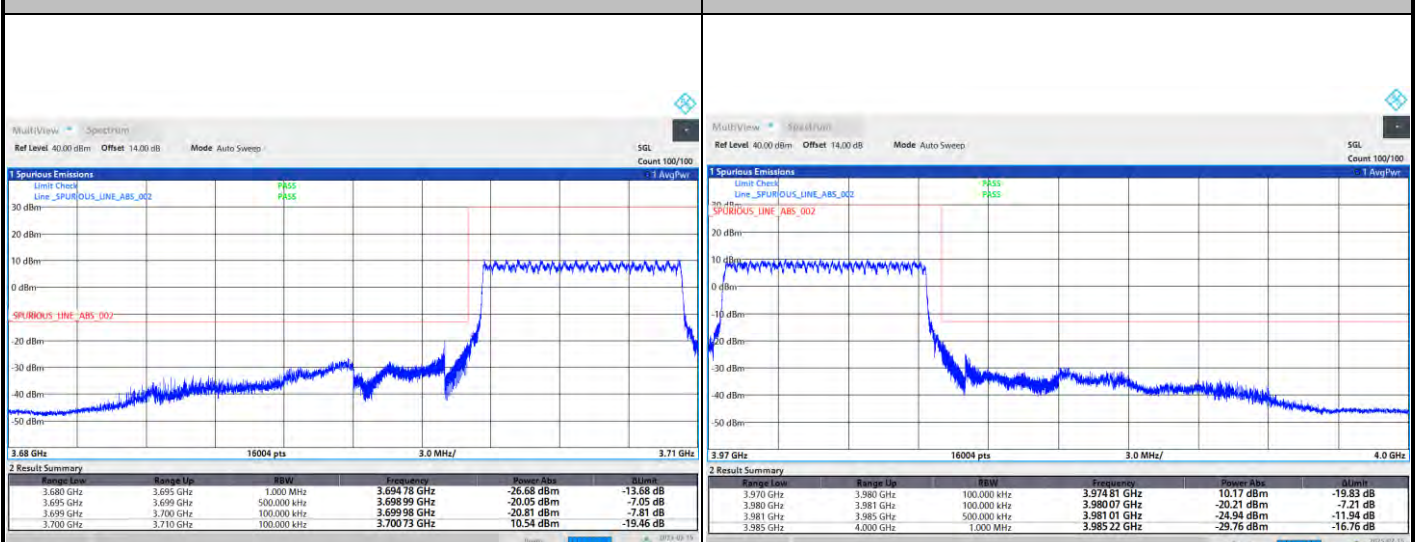


04:24:22 AM 02/15/2025

04:31:59 AM 02/15/2025

Lowest Band Edge / Outer Full RB

Highest Band Edge / Outer Full RB



04:23:40 AM 02/15/2025

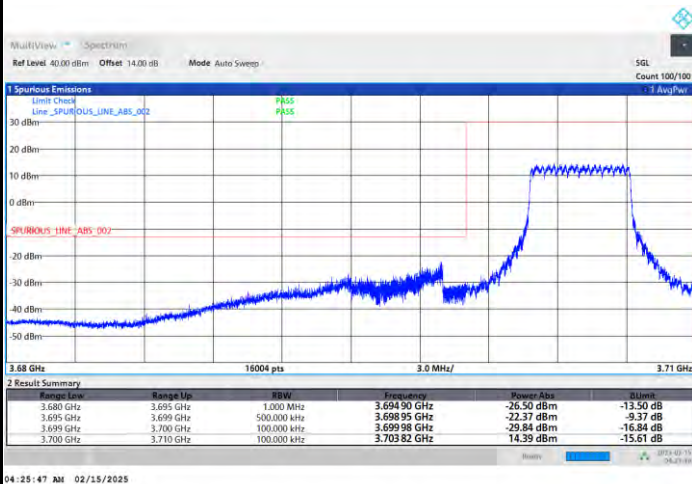
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FR1 n77 / 10MHz / DFT-S OFDM / QPSK

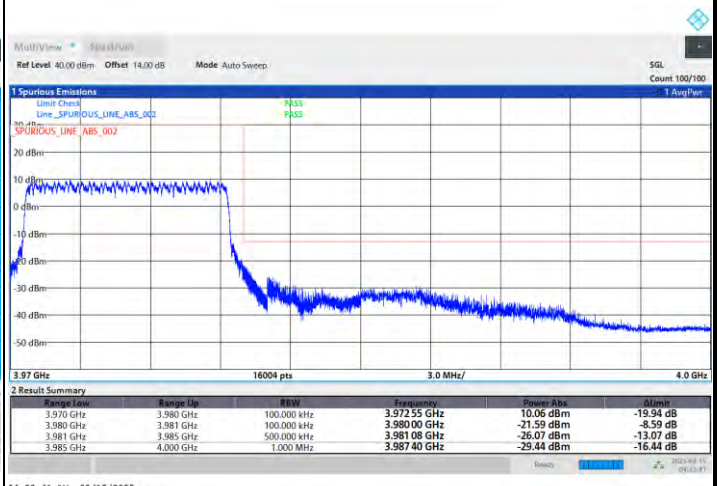
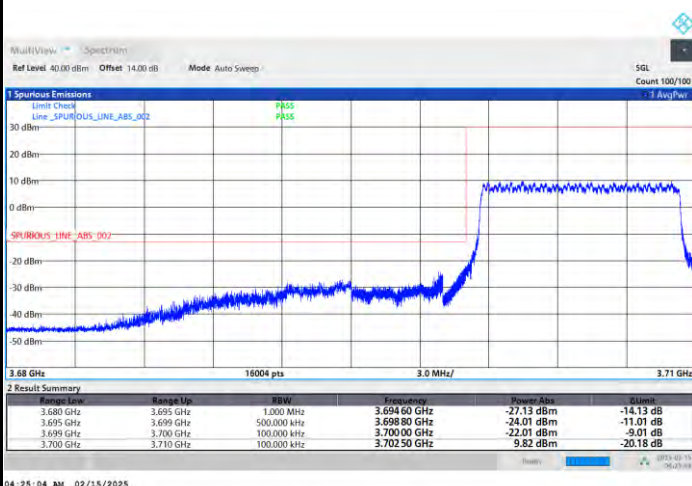
Lowest Band Edge / Inner Full RB

Highest Band Edge / Inner Full RB



Lowest Band Edge / Outer Full RB

Highest Band Edge / Outer Full RB

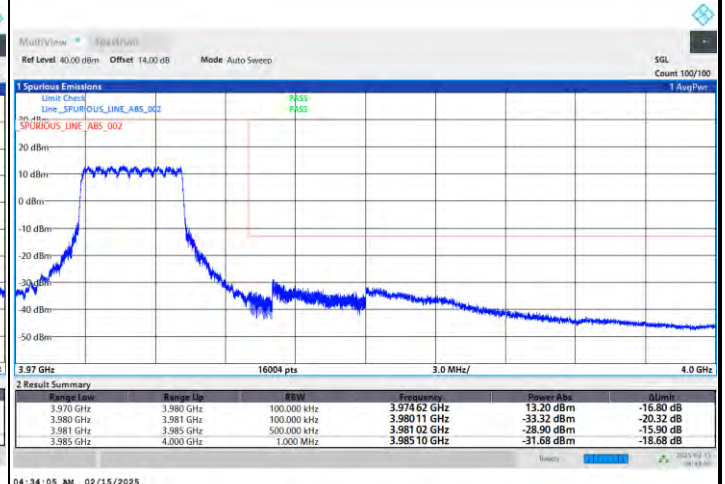
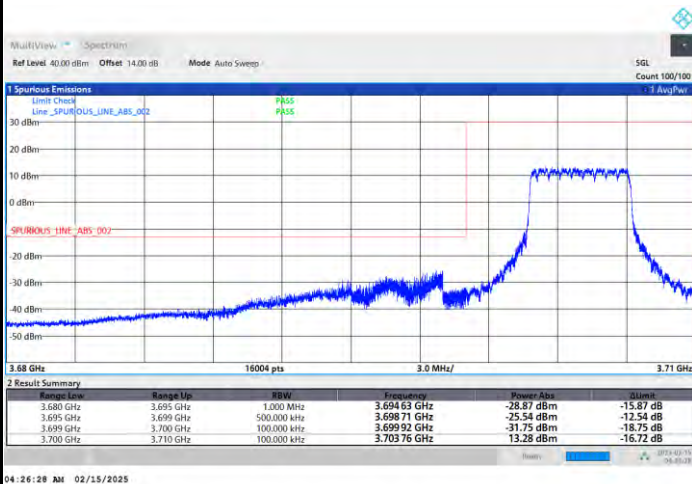




FR1 n77 / 10MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / Inner Full RB

Highest Band Edge / Inner Full RB

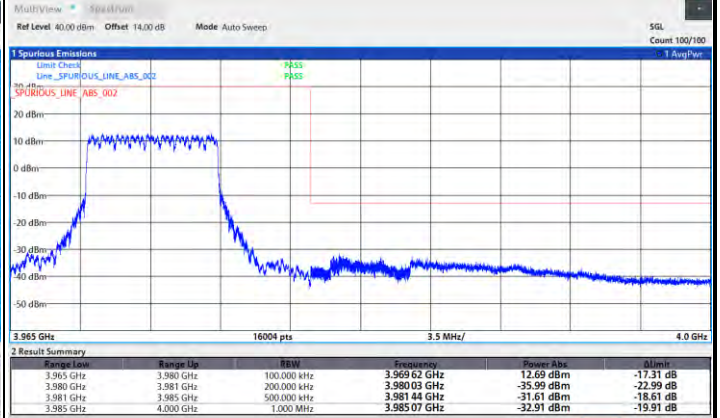
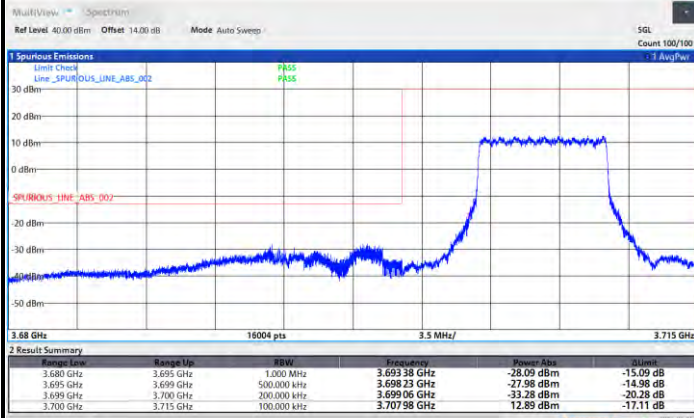




FR1 n77 / 15MHz / DFT-S OFDM / PI/2 BPSK

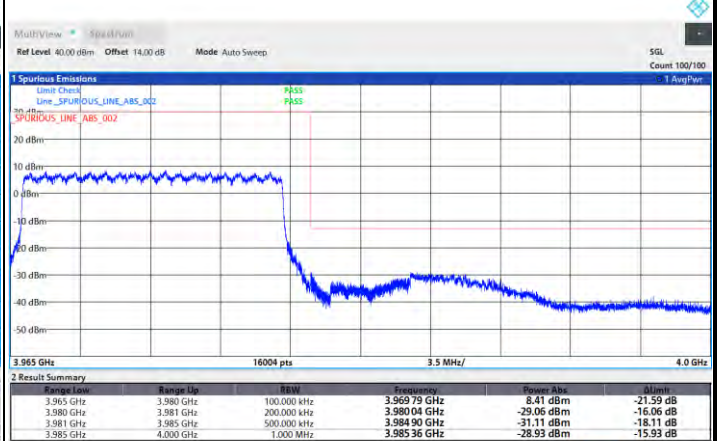
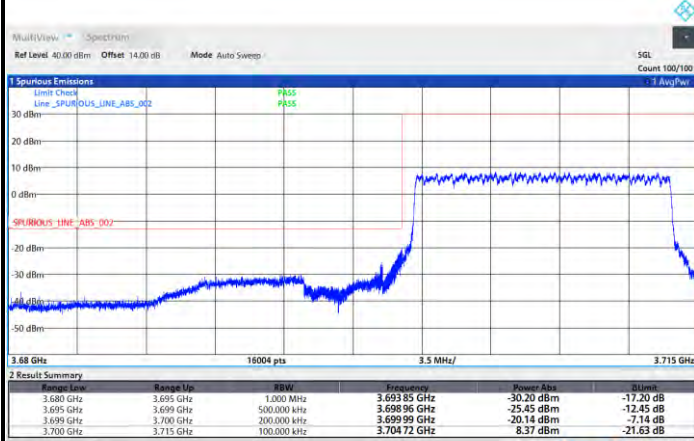
Lowest Band Edge / Inner Full RB

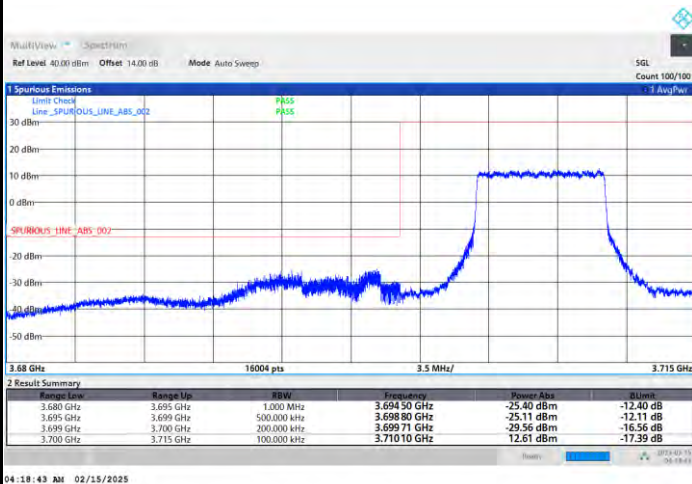
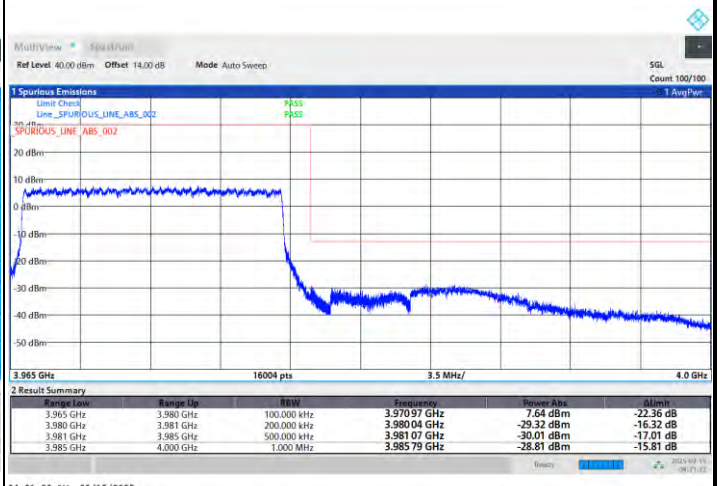
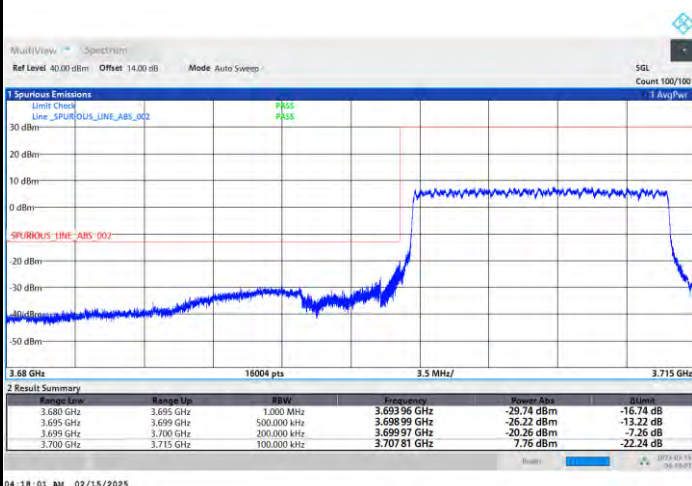
Highest Band Edge / Inner Full RB



Lowest Band Edge / Outer Full RB

Highest Band Edge / Outer Full RB



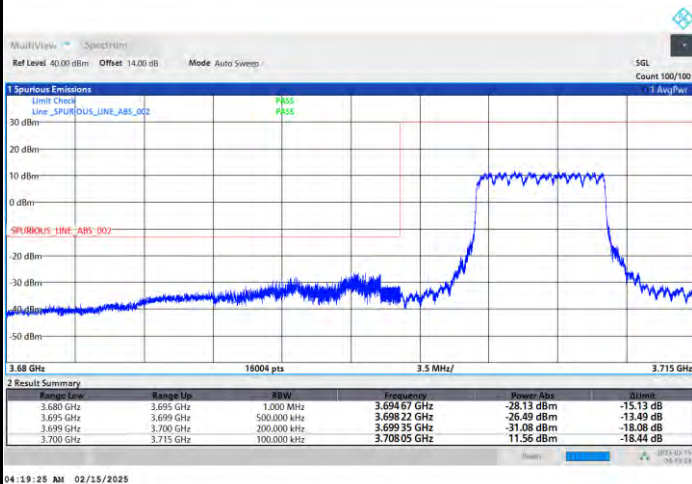
**FR1 n77 / 15MHz / DFT-S OFDM / QPSK****Lowest Band Edge / Inner Full RB****Highest Band Edge / Inner Full RB****Lowest Band Edge / Outer Full RB****Highest Band Edge / Outer Full RB**



FR1 n77 / 15MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / Inner Full RB

Highest Band Edge / Inner Full RB

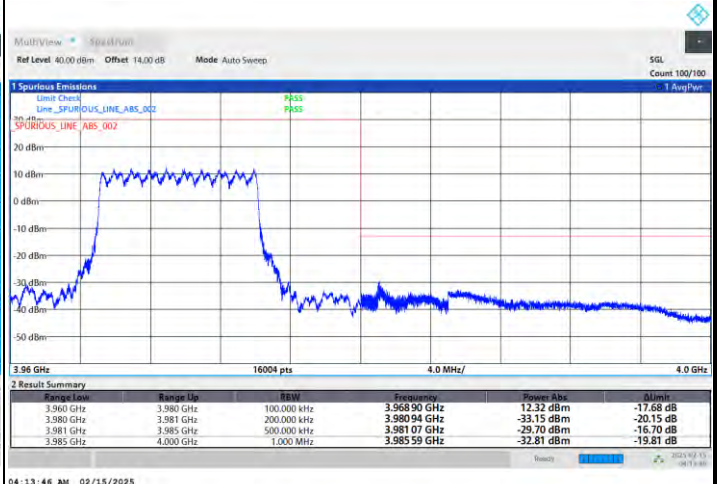
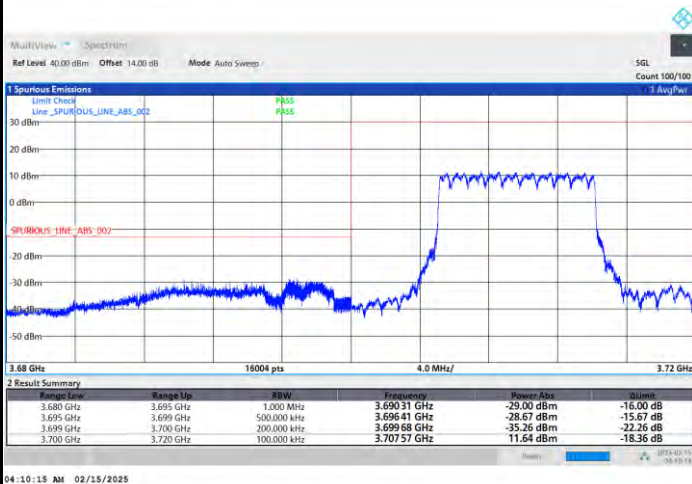




FR1 n77 / 20MHz / DFT-S OFDM / PI/2 BPSK

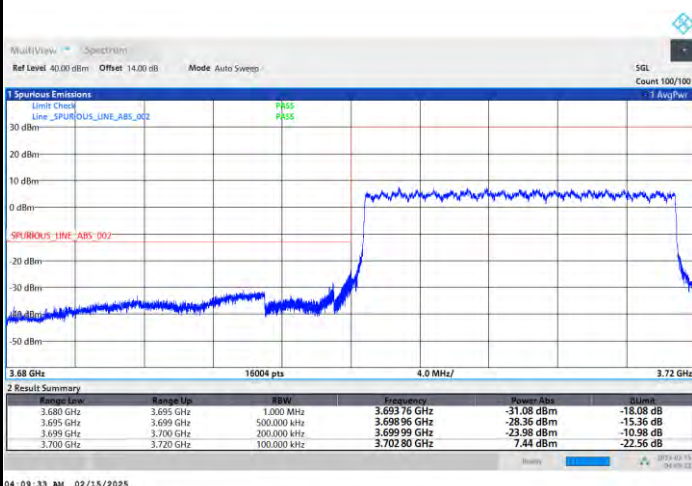
Lowest Band Edge / Inner Full RB

Highest Band Edge / Inner Full RB



Lowest Band Edge / Outer Full RB

Highest Band Edge / Outer Full RB

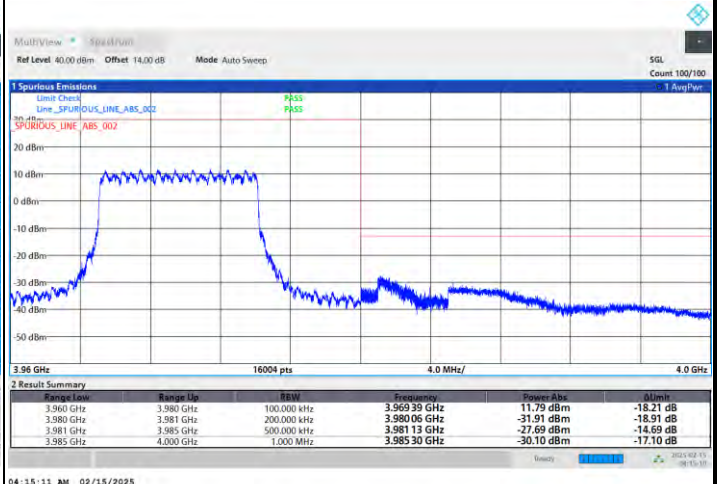
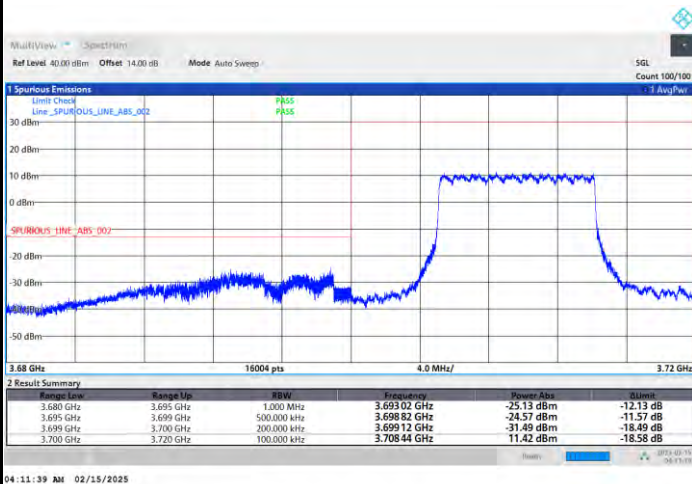




FR1 n77 / 20MHz / DFT-S OFDM / QPSK

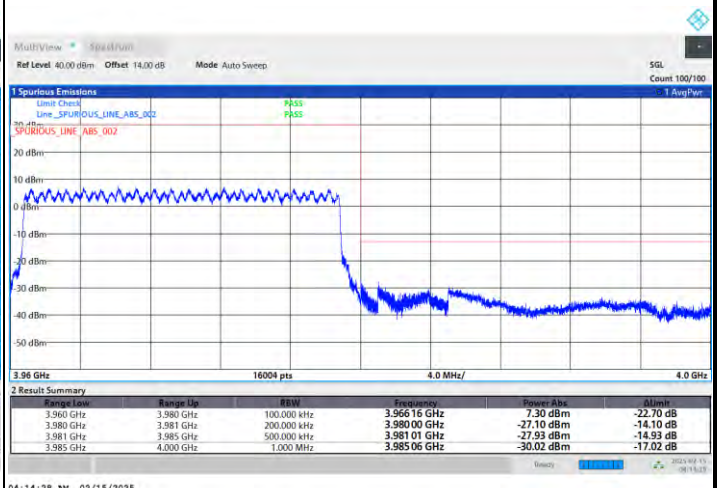
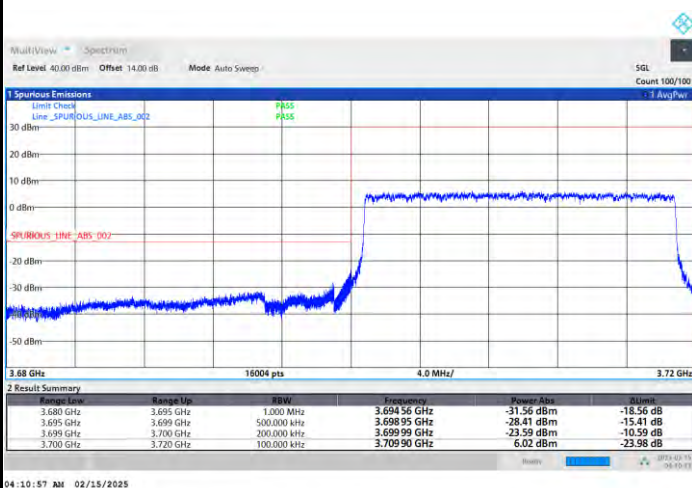
Lowest Band Edge / Inner Full RB

Highest Band Edge / Inner Full RB



Lowest Band Edge / Outer Full RB

Highest Band Edge / Outer Full RB

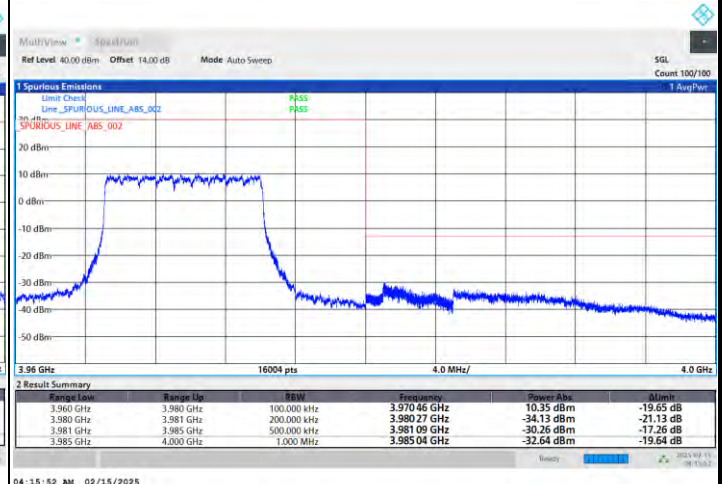
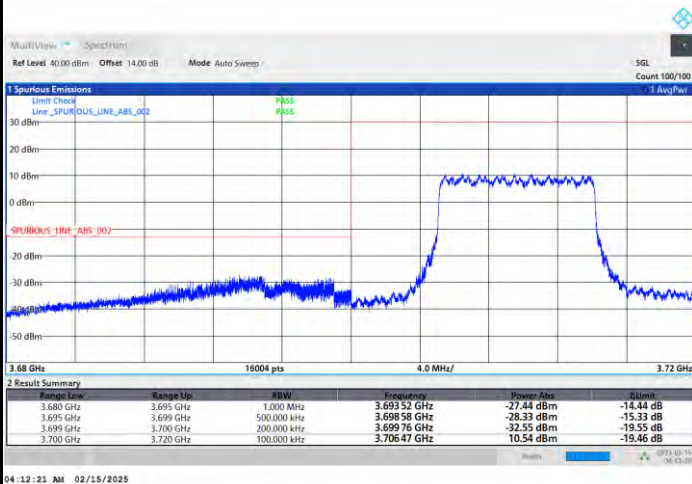




FR1 n77 / 20MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / Inner Full RB

Highest Band Edge / Inner Full RB

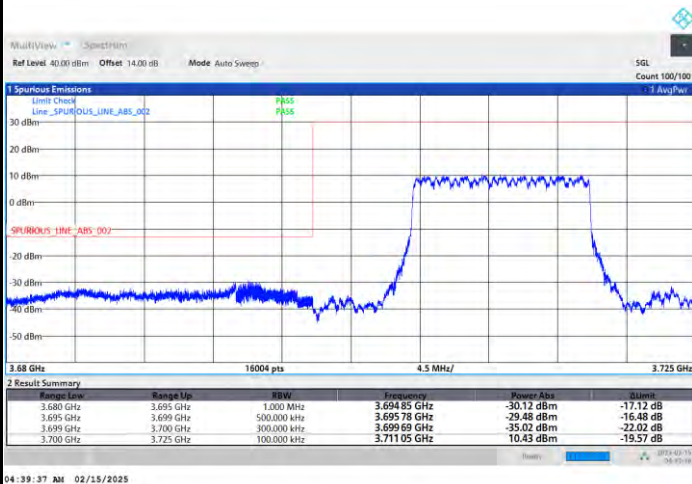




FR1 n77 / 25MHz / DFT-S OFDM / PI/2 BPSK

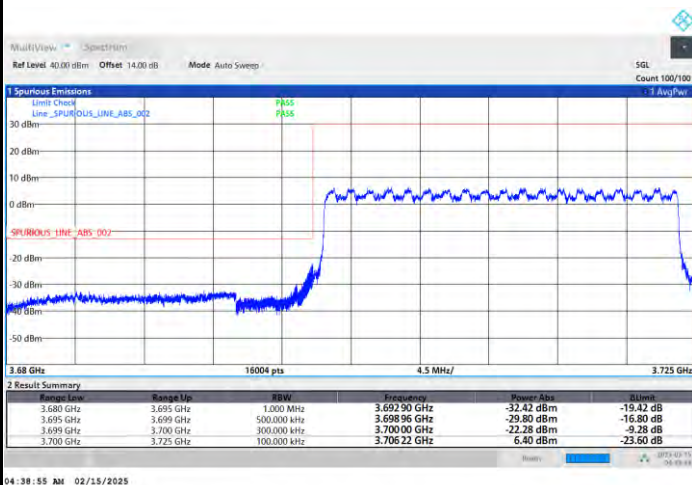
Lowest Band Edge / Inner Full RB

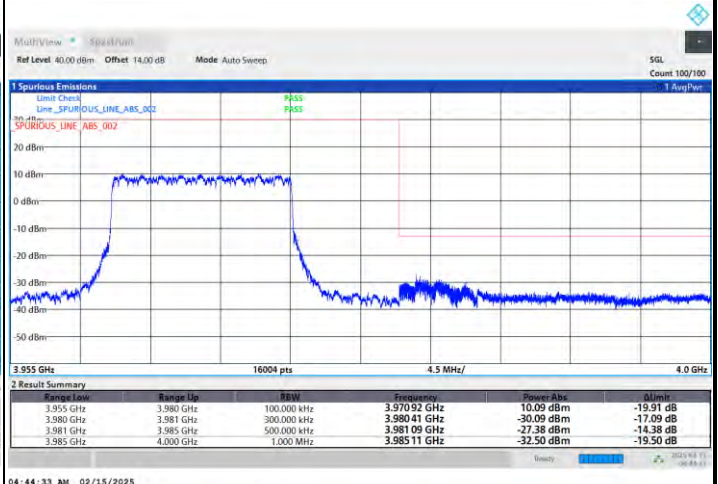
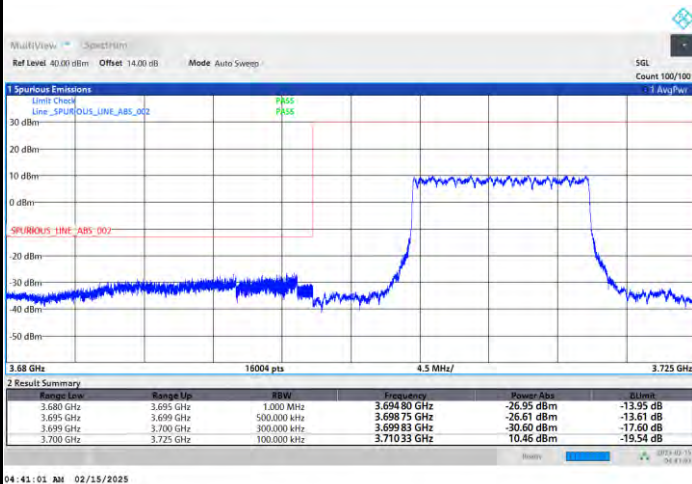
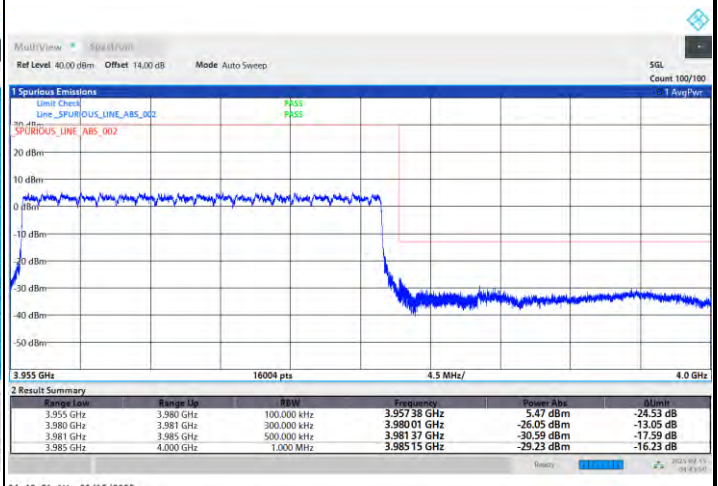
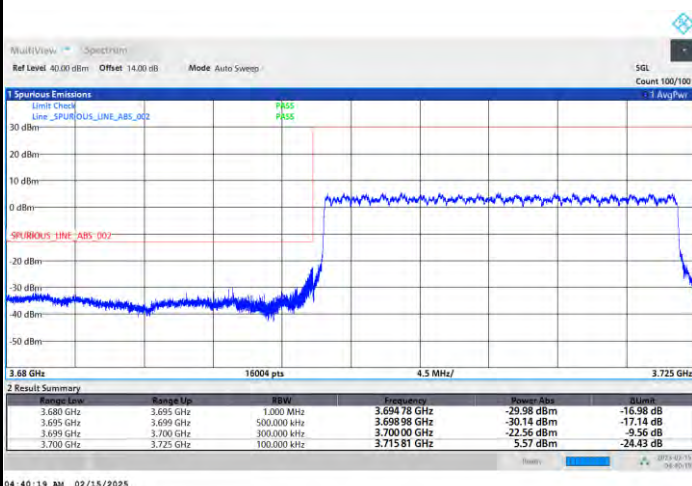
Highest Band Edge / Inner Full RB



Lowest Band Edge / Outer Full RB

Highest Band Edge / Outer Full RB



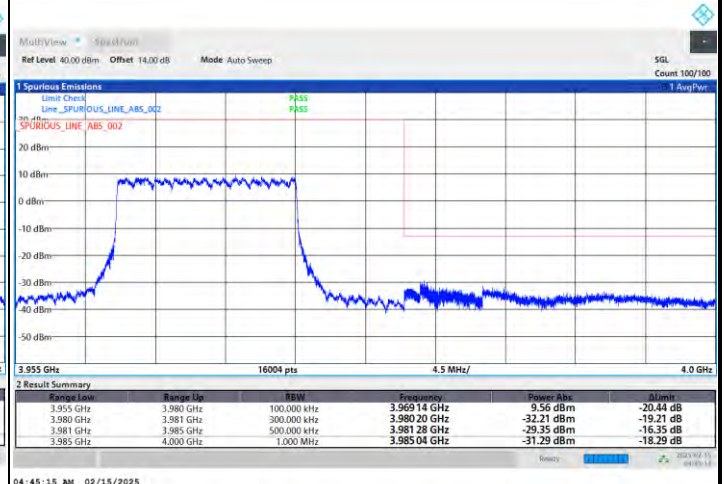
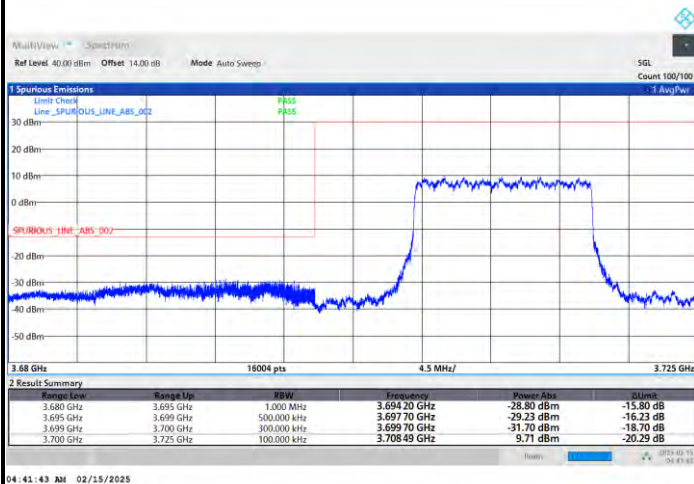
**FR1 n77 / 25MHz / DFT-S OFDM / QPSK****Lowest Band Edge / Inner Full RB****Highest Band Edge / Inner Full RB****Lowest Band Edge / Outer Full RB****Highest Band Edge / Outer Full RB**



FR1 n77 / 25MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / Inner Full RB

Highest Band Edge / Inner Full RB

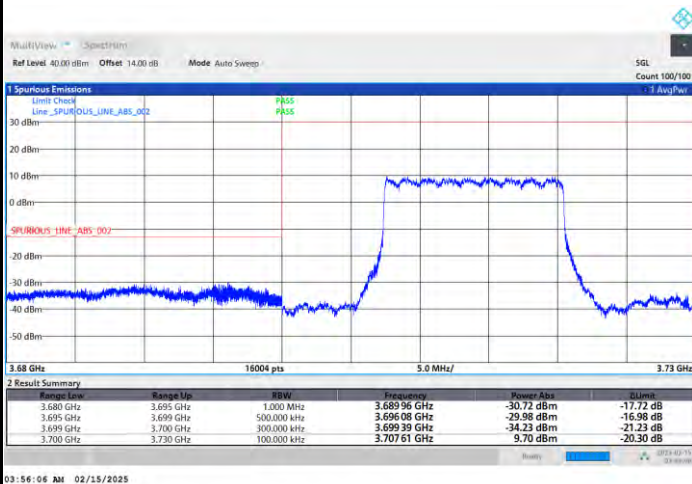




FR1 n77 / 30MHz / DFT-S OFDM / PI/2 BPSK

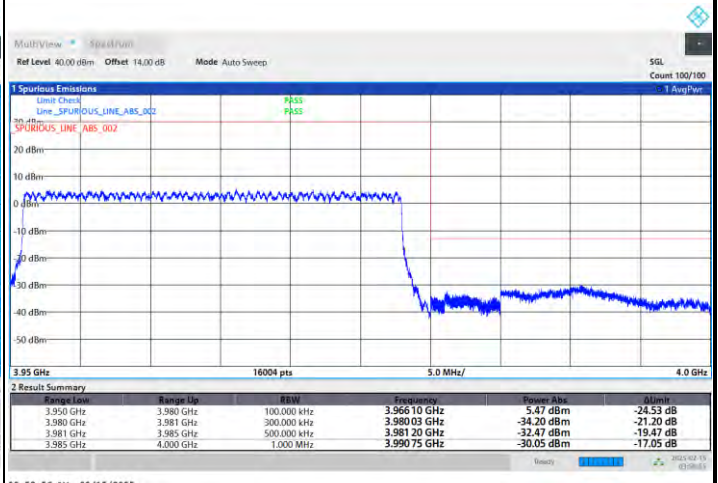
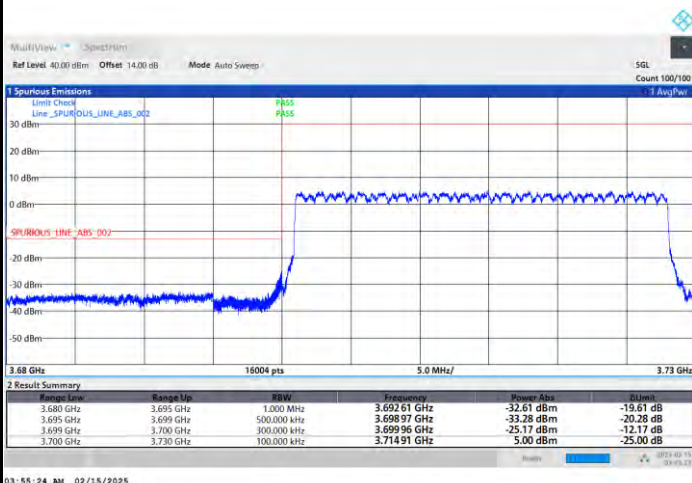
Lowest Band Edge / Inner Full RB

Highest Band Edge / Inner Full RB



Lowest Band Edge / Outer Full RB

Highest Band Edge / Outer Full RB

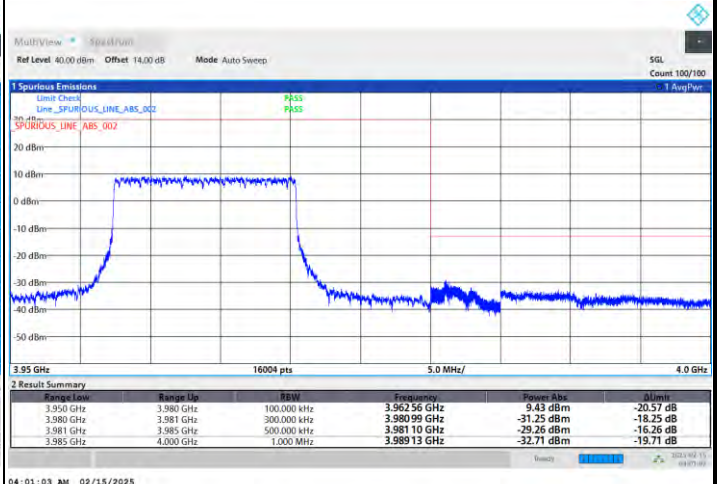
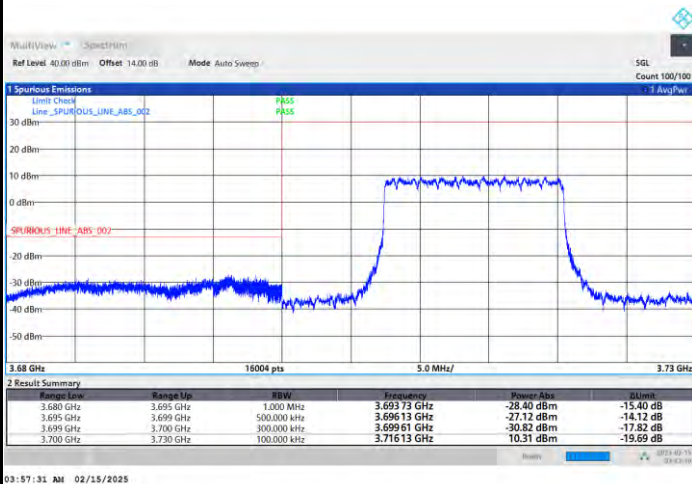




FR1 n77 / 30MHz / DFT-S OFDM / QPSK

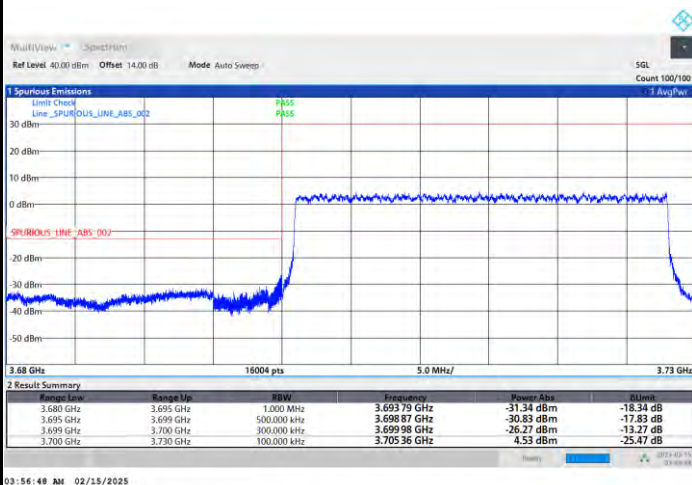
Lowest Band Edge / Inner Full RB

Highest Band Edge / Inner Full RB



Lowest Band Edge / Outer Full RB

Highest Band Edge / Outer Full RB

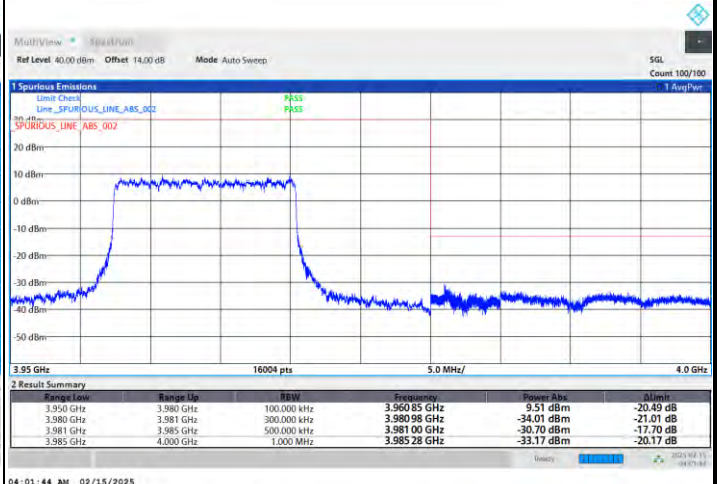
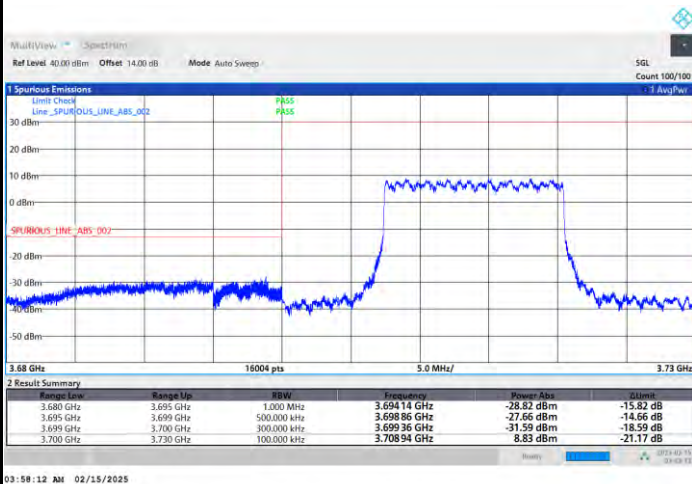




FR1 n77 / 30MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / Inner Full RB

Highest Band Edge / Inner Full RB

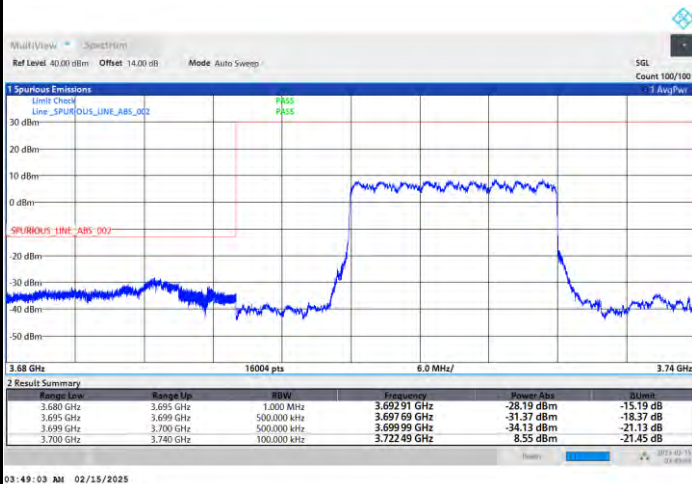




FR1 n77 / 40MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / Inner Full RB

Highest Band Edge / Inner Full RB



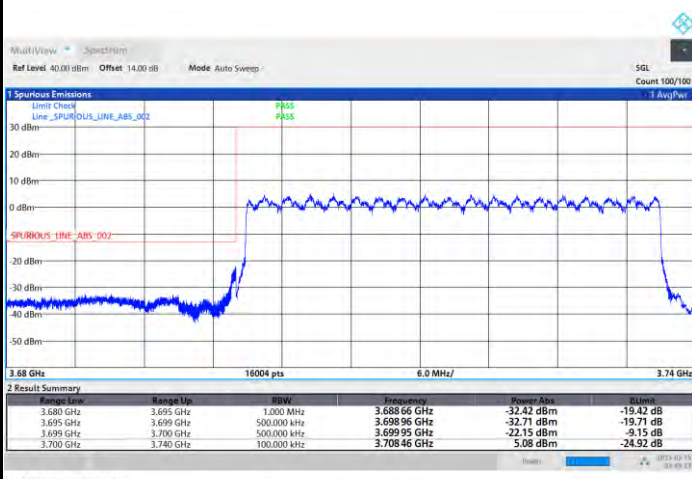
03:49:03 AM 02/15/2025



03:52:34 AM 02/15/2025

Lowest Band Edge / Outer Full RB

Highest Band Edge / Outer Full RB



03:48:21 AM 02/15/2025

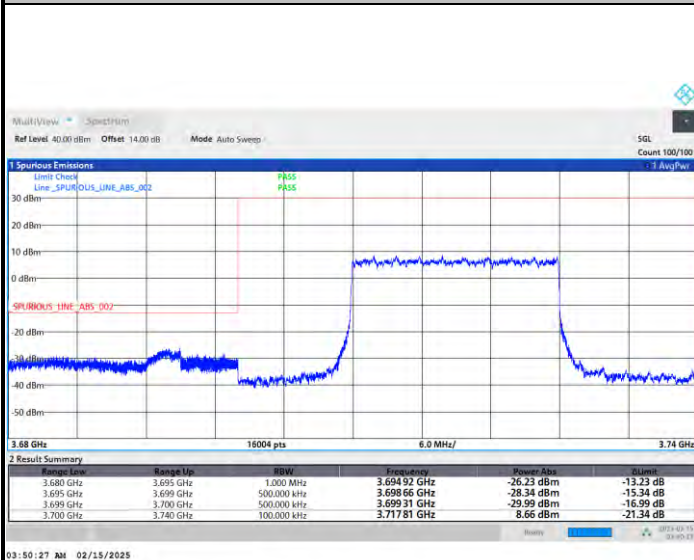


03:51:52 AM 02/15/2025



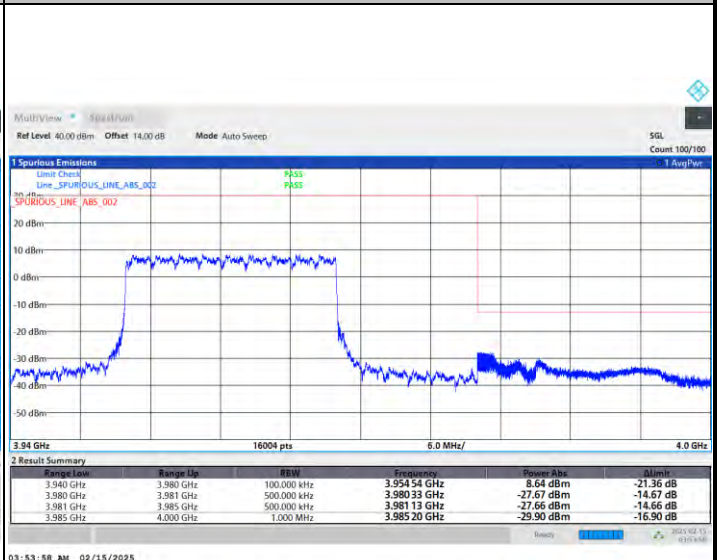
FR1 n77 / 40MHz / DFT-S OFDM / QPSK

Lowest Band Edge / Inner Full RB



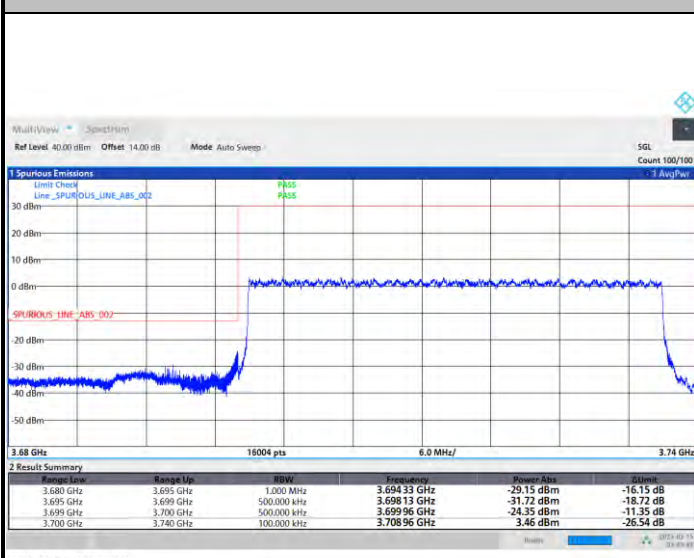
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Highest Band Edge / Inner Full RB



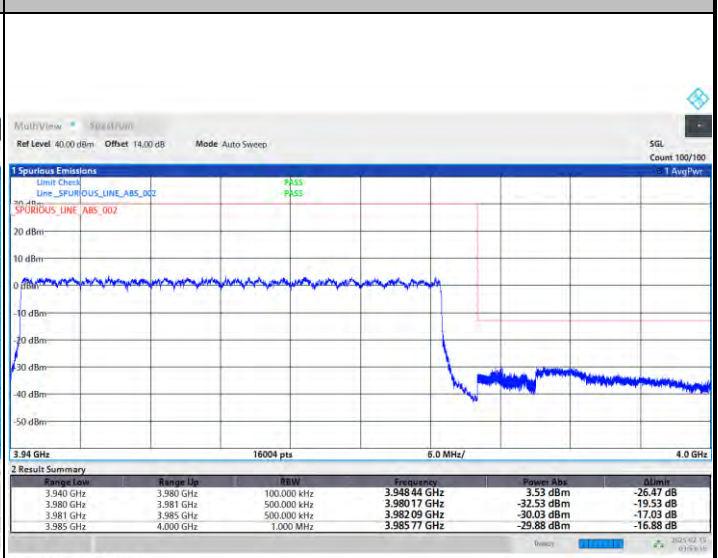
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Lowest Band Edge / Outer Full RB



03:49:45 AM 02/15/2025

Highest Band Edge / Outer Full RB



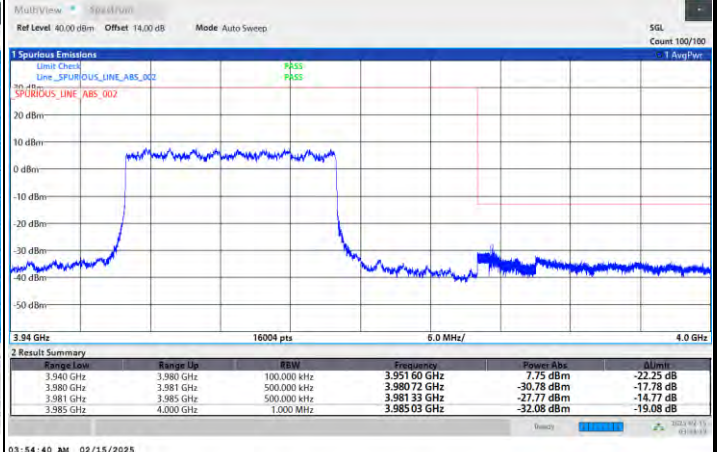
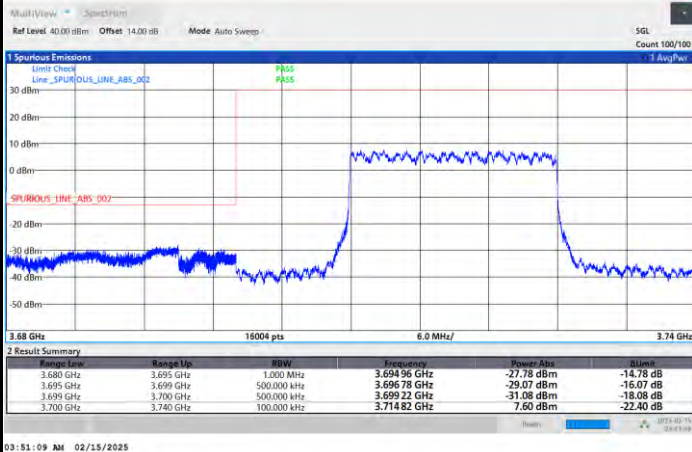
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FR1 n77 / 40MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / Inner Full RB

Highest Band Edge / Inner Full RB

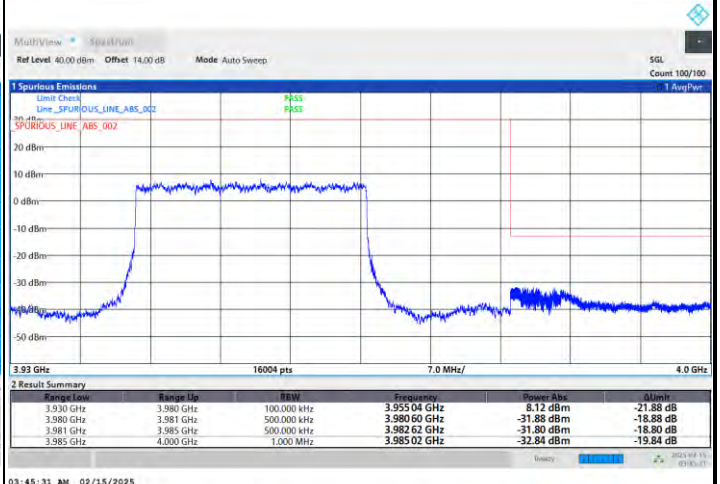
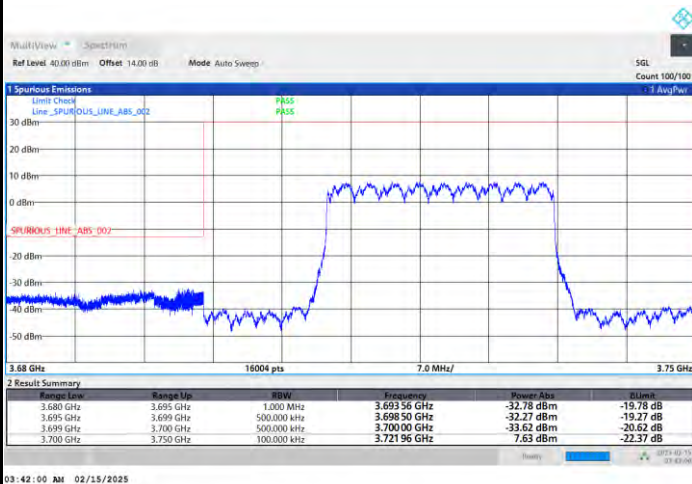




FR1 n77 / 50MHz / DFT-S OFDM / PI/2 BPSK

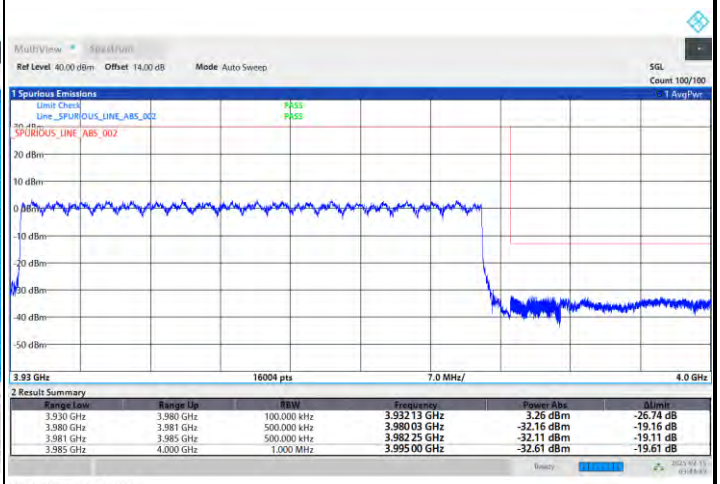
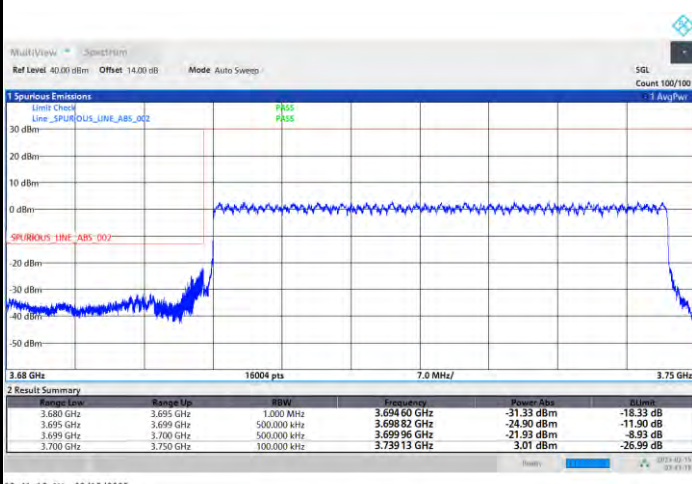
Lowest Band Edge / Inner Full RB

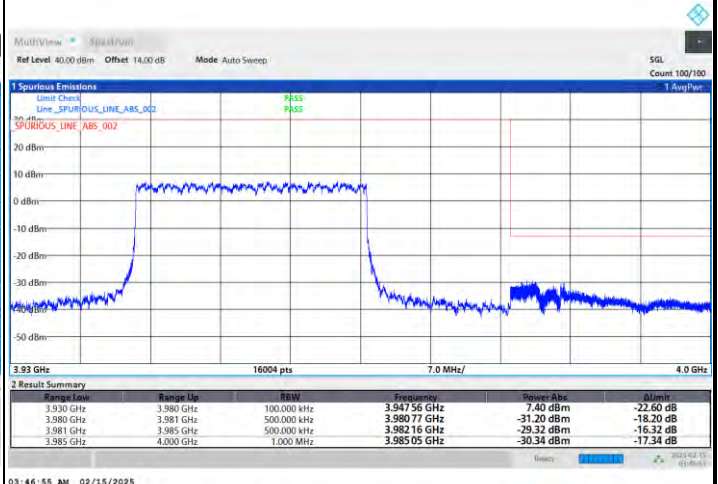
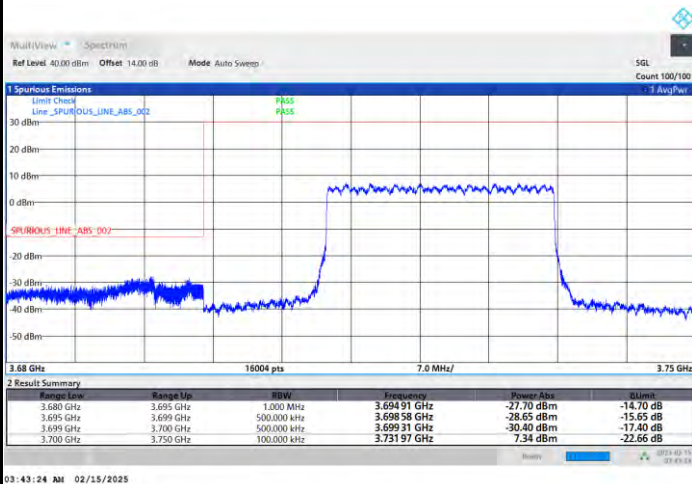
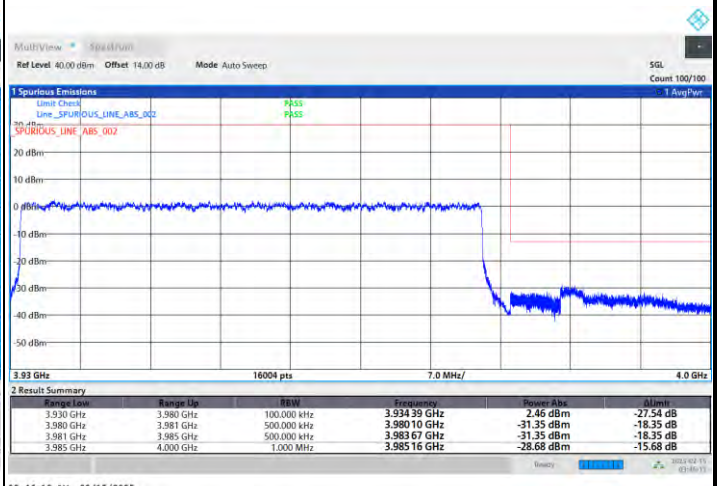
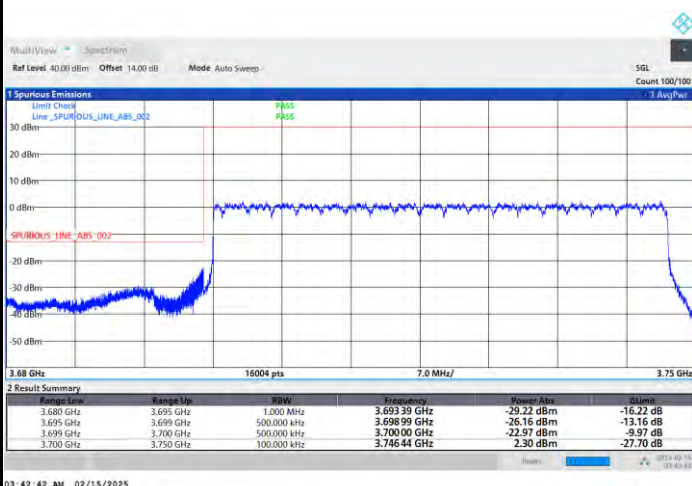
Highest Band Edge / Inner Full RB



Lowest Band Edge / Outer Full RB

Highest Band Edge / Outer Full RB



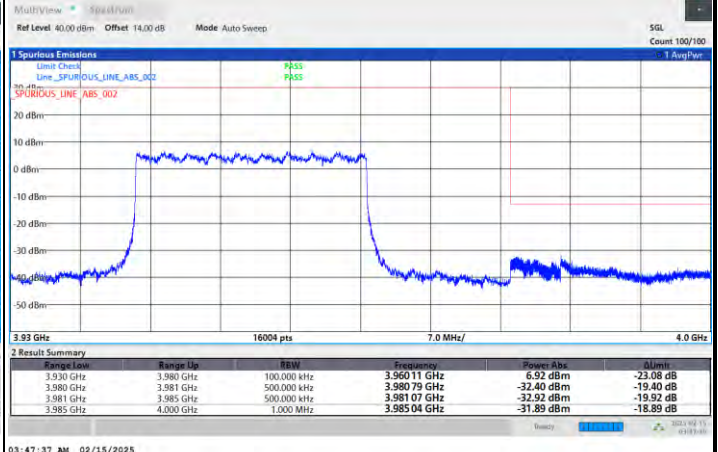
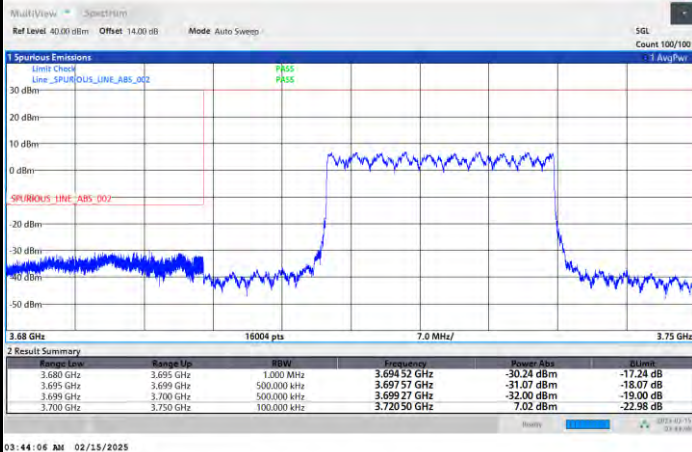
**FR1 n77 / 50MHz / DFT-S OFDM / QPSK****Lowest Band Edge / Inner Full RB****Highest Band Edge / Inner Full RB****Lowest Band Edge / Outer Full RB****Highest Band Edge / Outer Full RB**



FR1 n77 / 50MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / Inner Full RB

Highest Band Edge / Inner Full RB

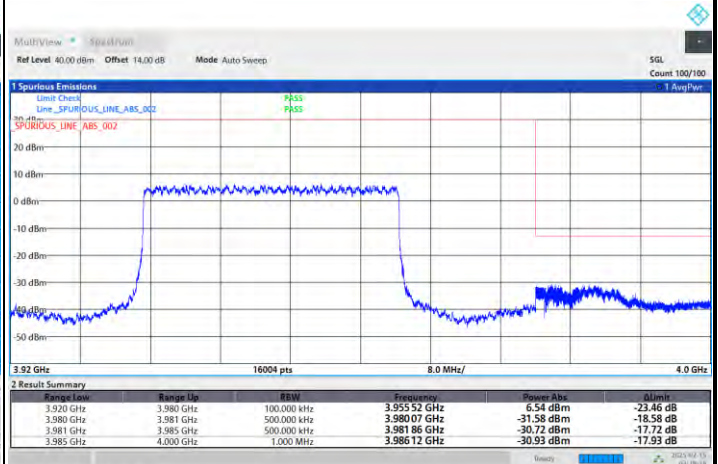
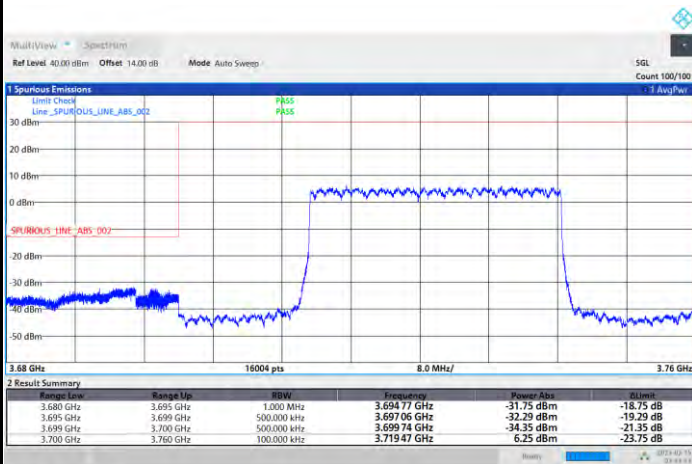




FR1 n77 / 60MHz / DFT-S OFDM / PI/2 BPSK

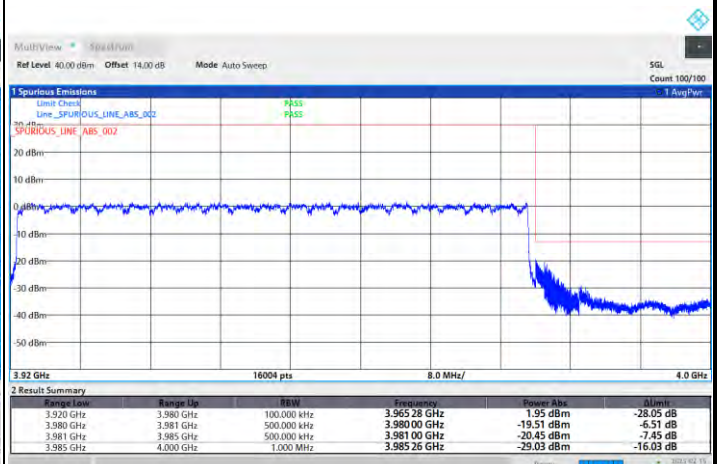
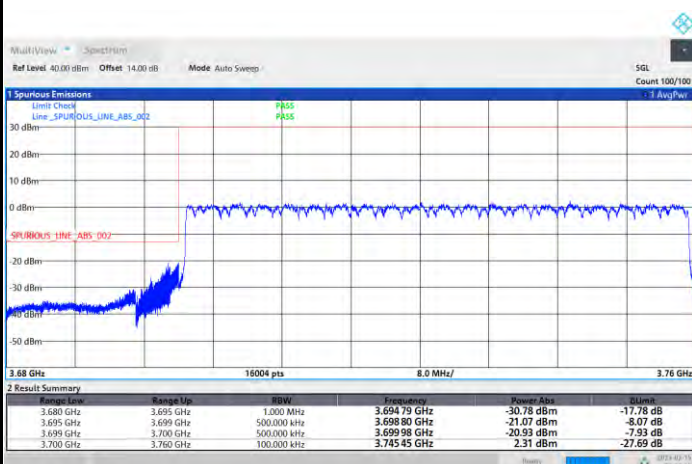
Lowest Band Edge / Inner Full RB

Highest Band Edge / Inner Full RB



Lowest Band Edge / Outer Full RB

Highest Band Edge / Outer Full RB

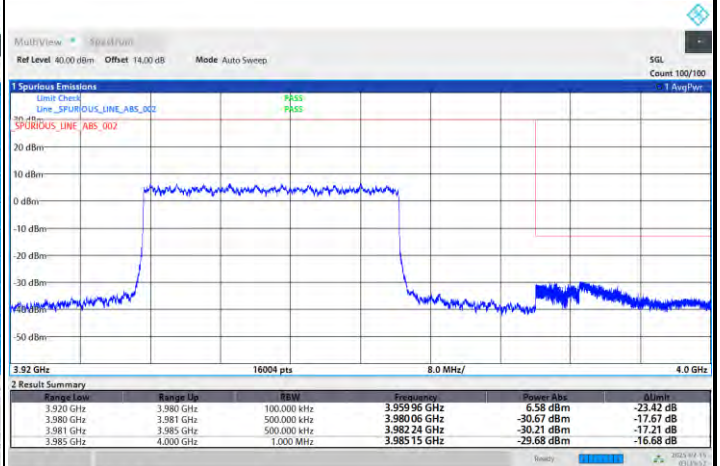
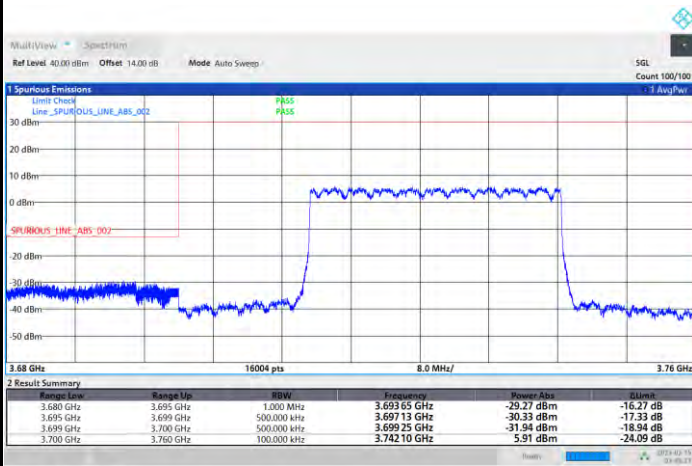




FR1 n77 / 60MHz / DFT-S OFDM / QPSK

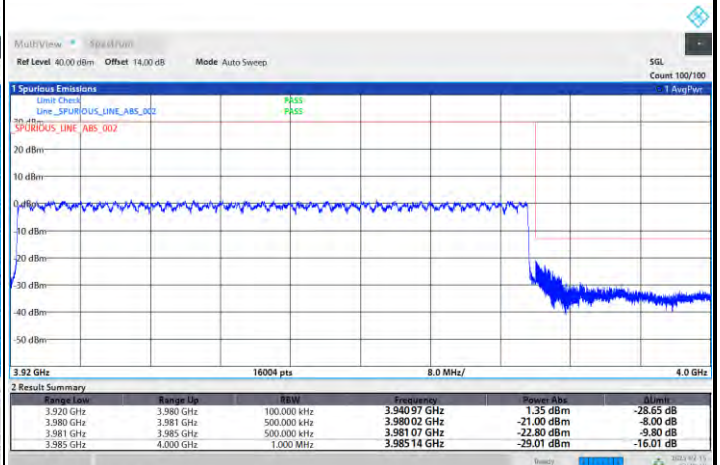
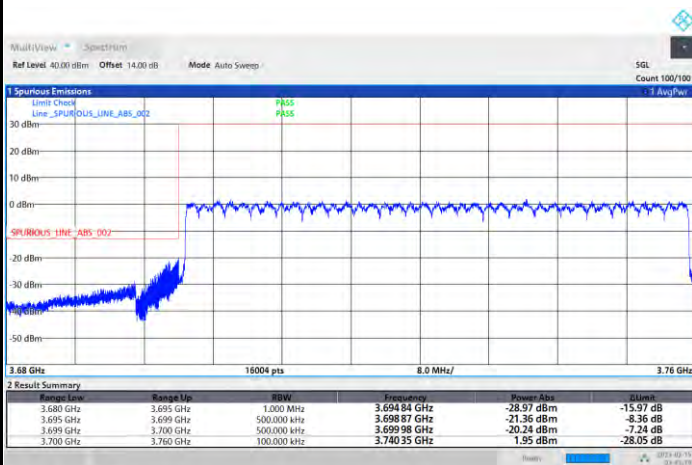
Lowest Band Edge / Inner Full RB

Highest Band Edge / Inner Full RB



Lowest Band Edge / Outer Full RB

Highest Band Edge / Outer Full RB

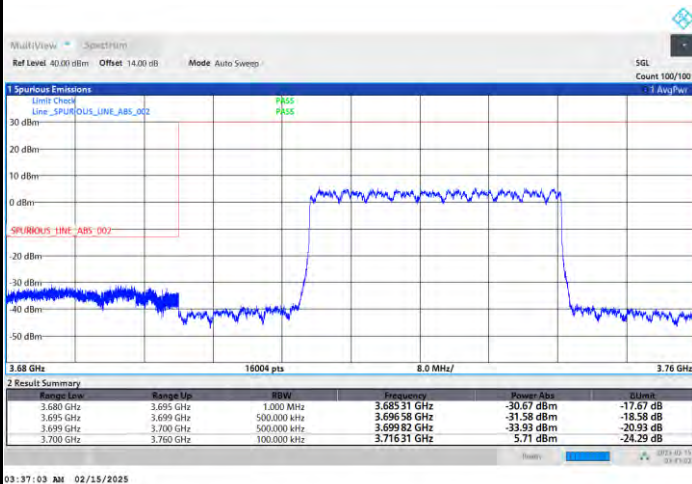


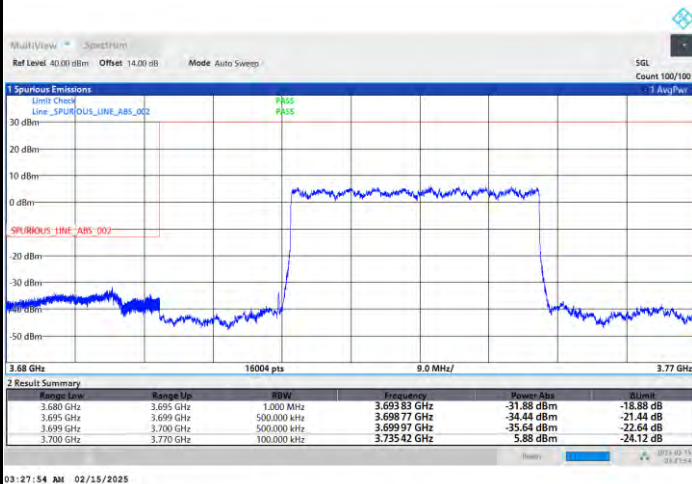


FR1 n77 / 60MHz / DFT-S OFDM / 16QAM

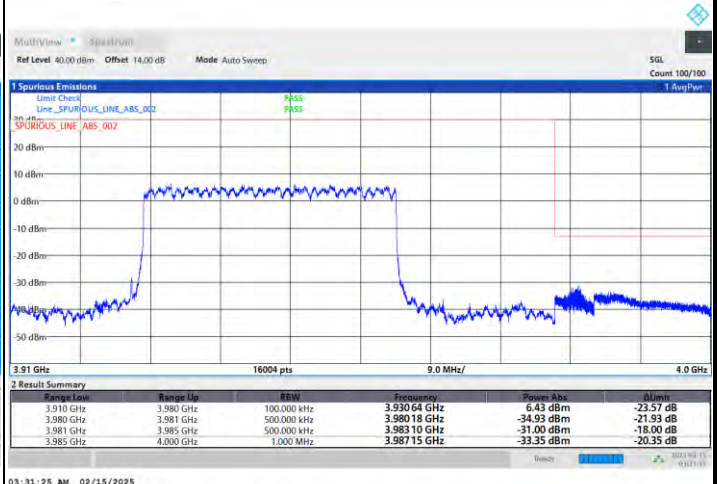
Lowest Band Edge / Inner Full RB

Highest Band Edge / Inner Full RB

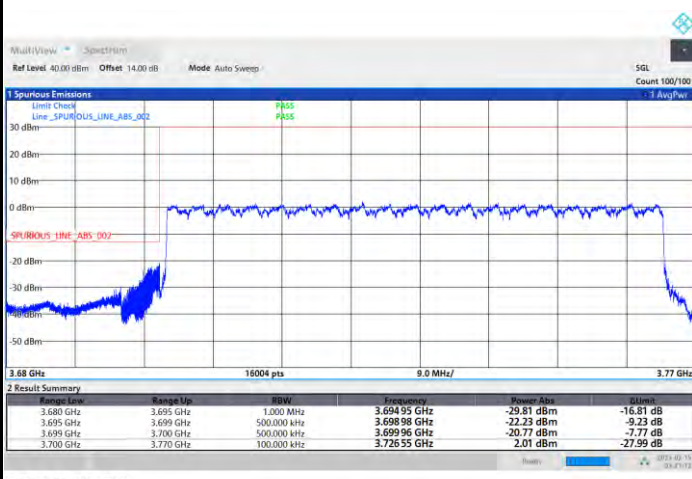


**FR1 n77 / 70MHz / DFT-S OFDM / PI/2 BPSK****Lowest Band Edge / Inner Full RB****Highest Band Edge / Inner Full RB**

03:27:54 AM 02/15/2025



03:31:25 AM 02/15/2025

Lowest Band Edge / Outer Full RB**Highest Band Edge / Outer Full RB**

03:27:12 AM 02/15/2025



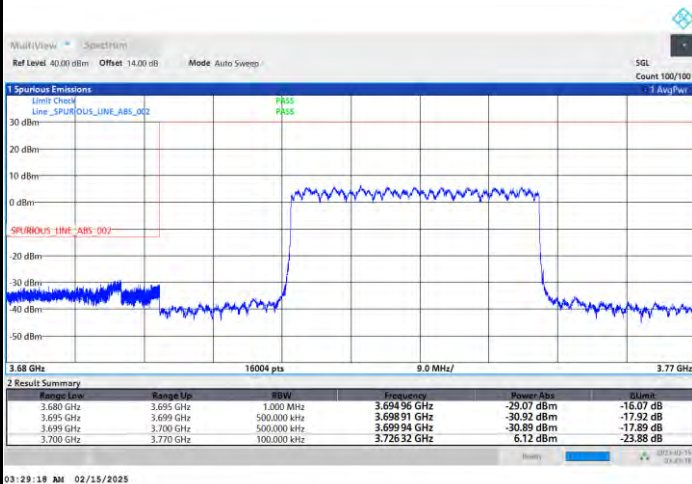
03:30:43 AM 02/15/2025



FR1 n77 / 70MHz / DFT-S OFDM / QPSK

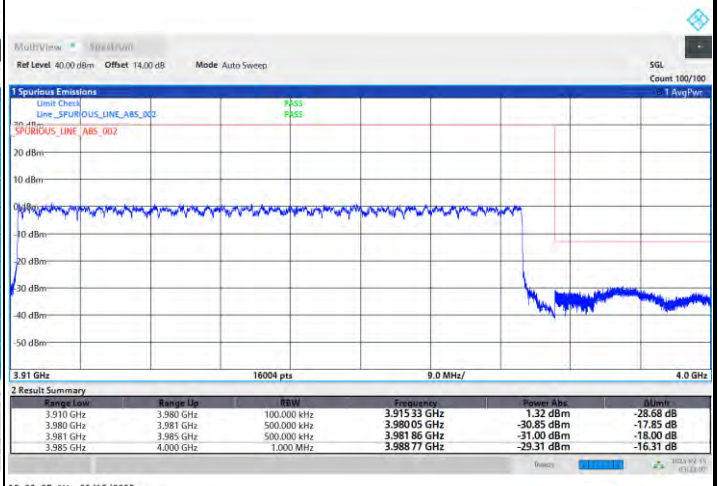
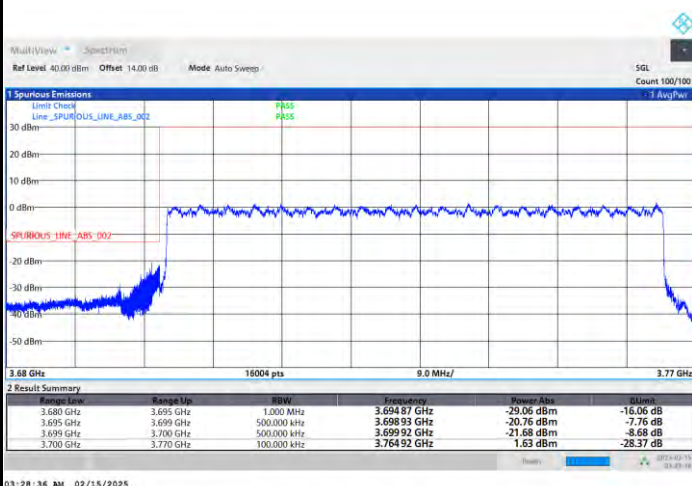
Lowest Band Edge / Inner Full RB

Highest Band Edge / Inner Full RB



Lowest Band Edge / Outer Full RB

Highest Band Edge / Outer Full RB

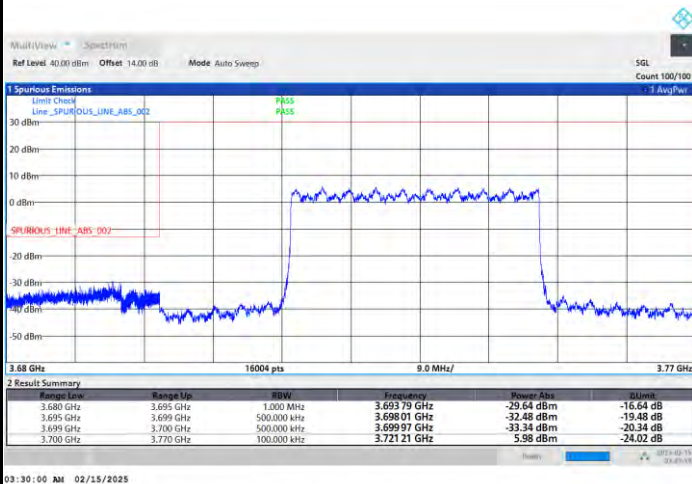




FR1 n77 / 70MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / Inner Full RB

Highest Band Edge / Inner Full RB





FR1 n77 / 80MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / Inner Full RB

Highest Band Edge / Inner Full RB



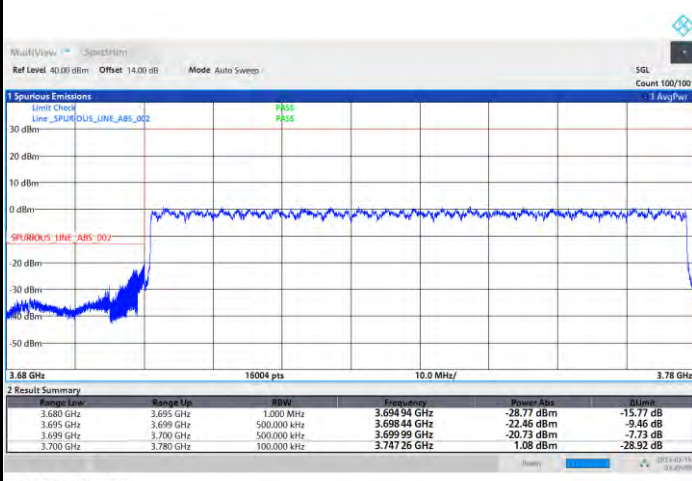
03:20:52 AM 02/15/2025



03:24:22 AM 02/15/2025

Lowest Band Edge / Outer Full RB

Highest Band Edge / Outer Full RB



03:20:10 AM 02/15/2025



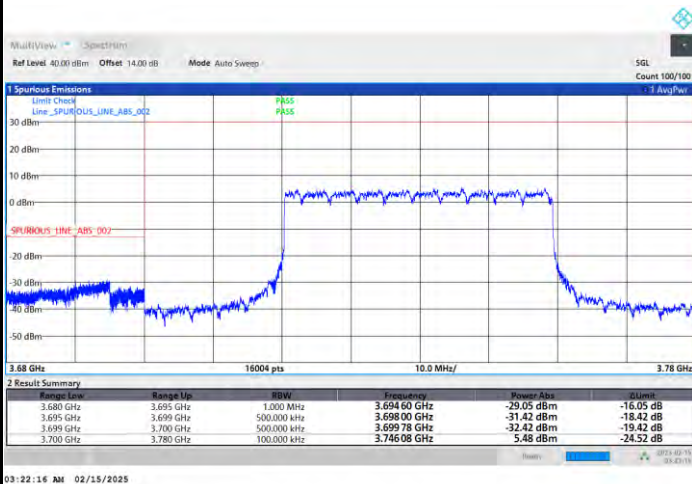
03:23:40 AM 02/15/2025



FR1 n77 / 80MHz / DFT-S OFDM / QPSK

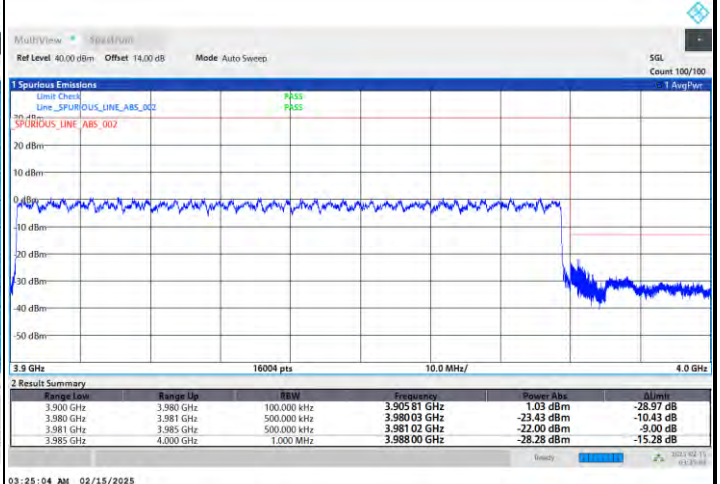
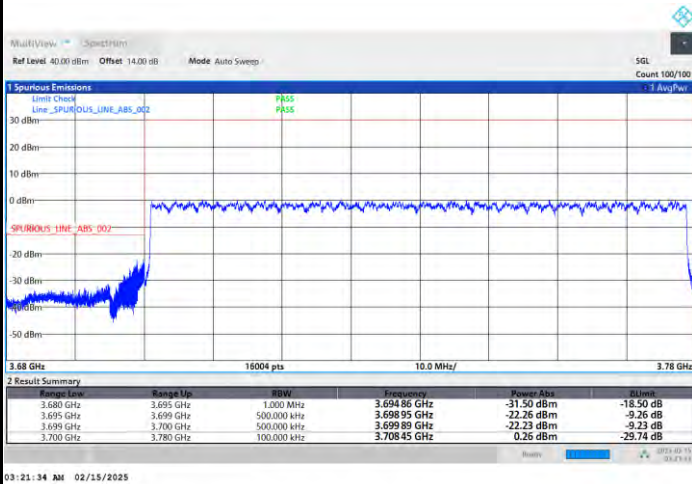
Lowest Band Edge / Inner Full RB

Highest Band Edge / Inner Full RB



Lowest Band Edge / Outer Full RB

Highest Band Edge / Outer Full RB

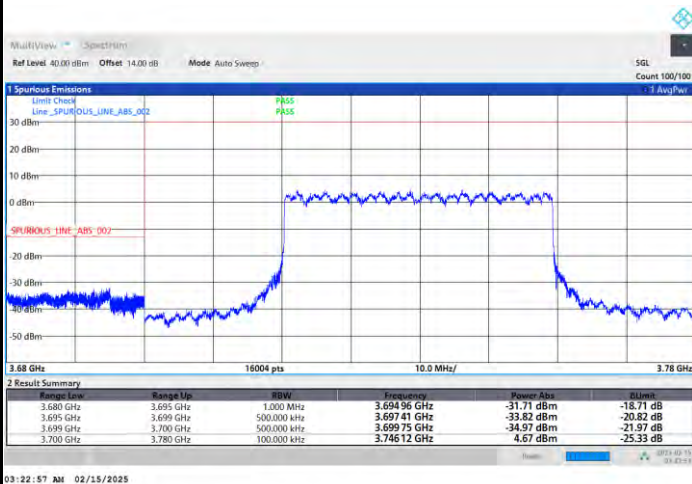




FR1 n77 / 80MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / Inner Full RB

Highest Band Edge / Inner Full RB

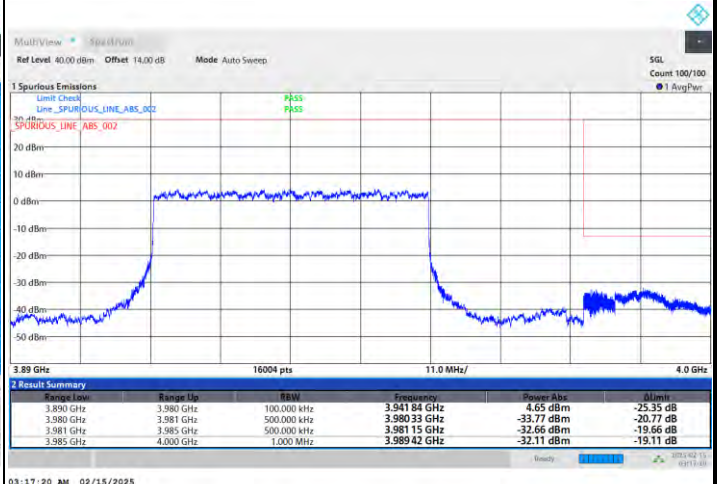
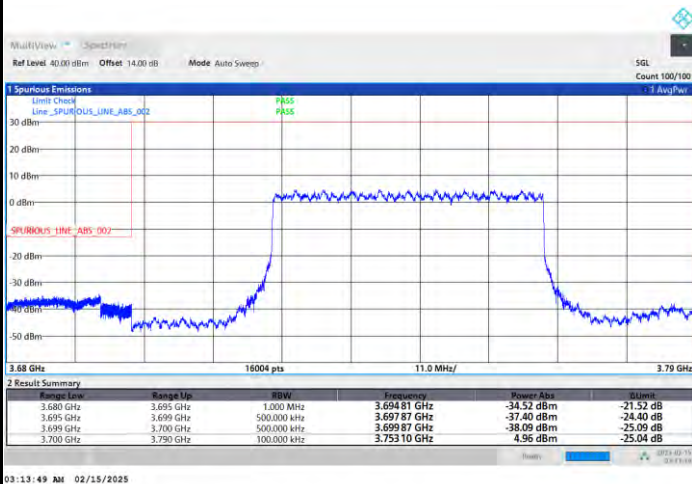




FR1 n77 / 90MHz / DFT-S OFDM / PI/2 BPSK

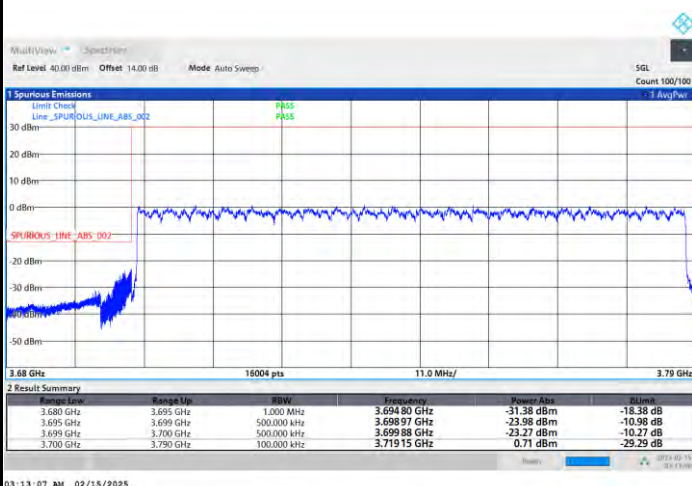
Lowest Band Edge / Inner Full RB

Highest Band Edge / Inner Full RB



Lowest Band Edge / Outer Full RB

Highest Band Edge / Outer Full RB

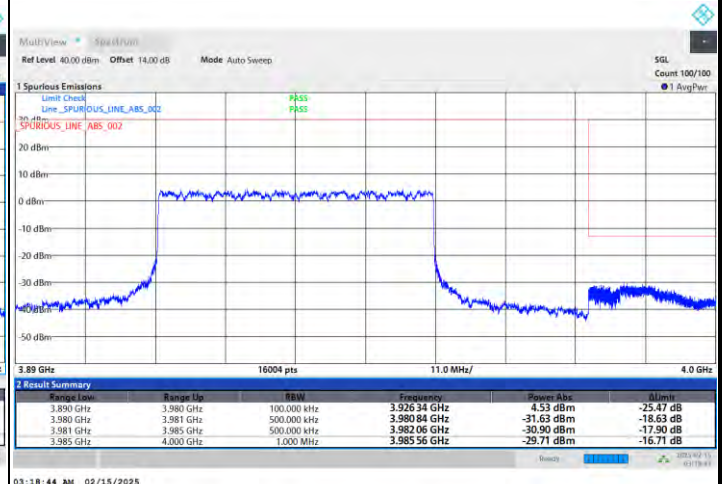
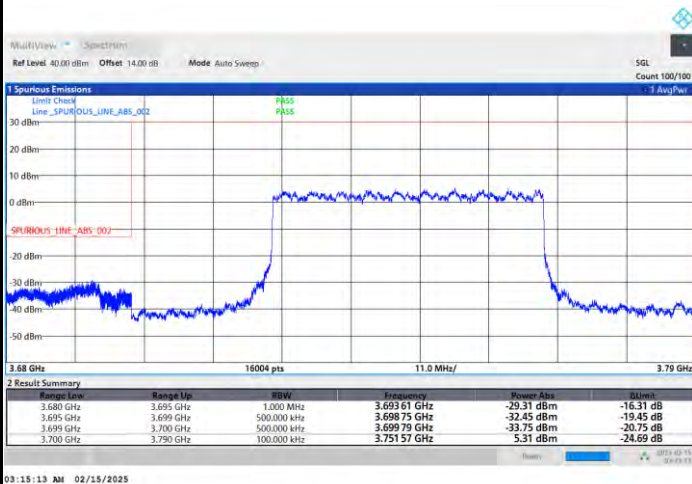




FR1 n77 / 90MHz / DFT-S OFDM / QPSK

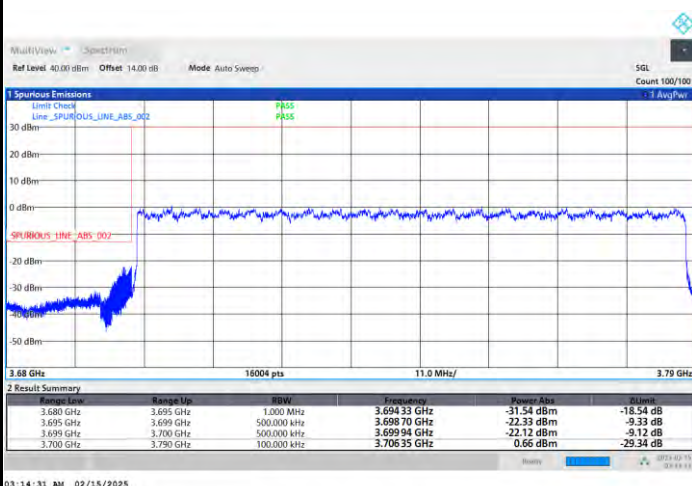
Lowest Band Edge / Inner Full RB

Highest Band Edge / Inner Full RB



Lowest Band Edge / Outer Full RB

Highest Band Edge / Outer Full RB

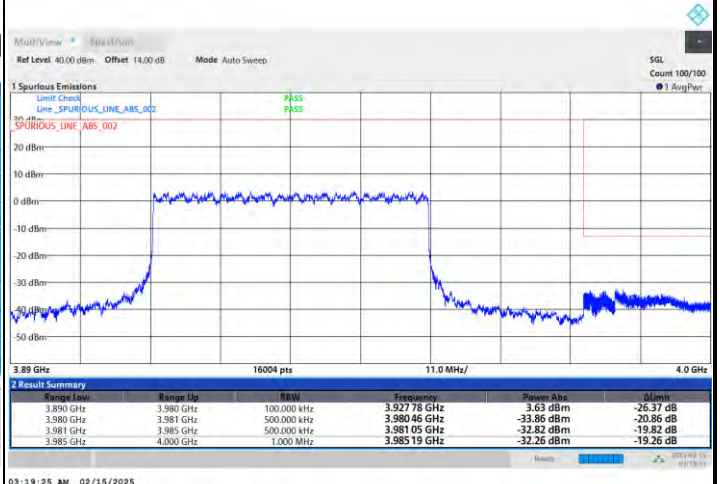
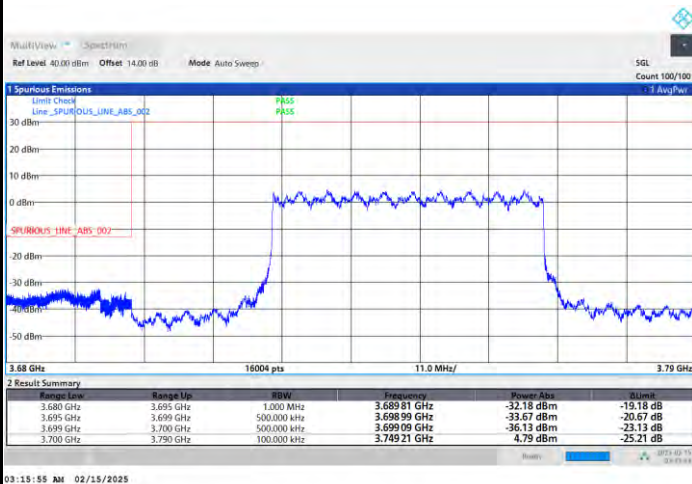




FR1 n77 / 90MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / Inner Full RB

Highest Band Edge / Inner Full RB

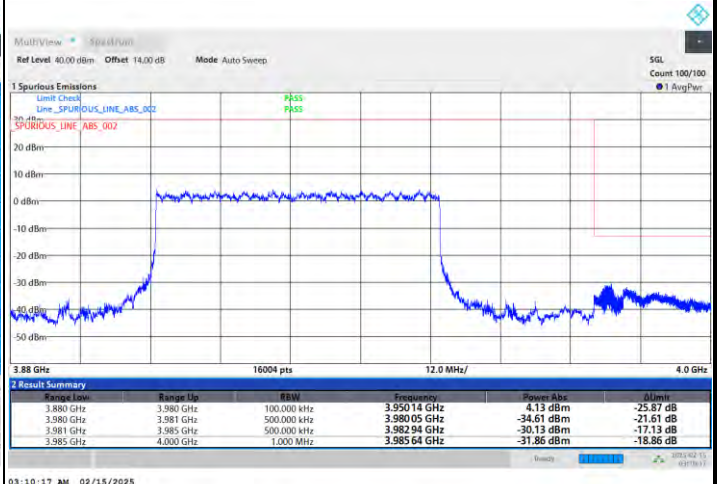
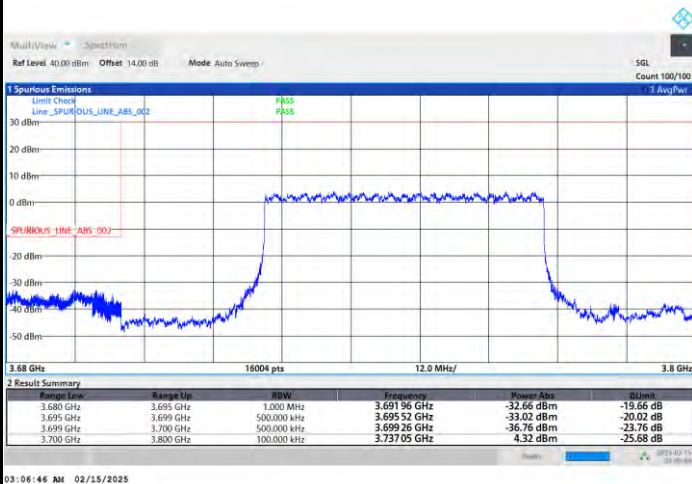




FR1 n77 / 100MHz / DFT-S OFDM / PI/2 BPSK

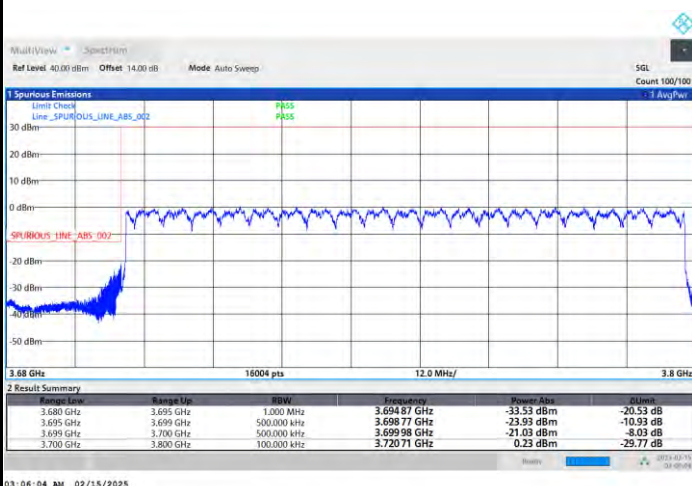
Lowest Band Edge / Inner Full RB

Highest Band Edge / Inner Full RB



Lowest Band Edge / Outer Full RB

Highest Band Edge / Outer Full RB





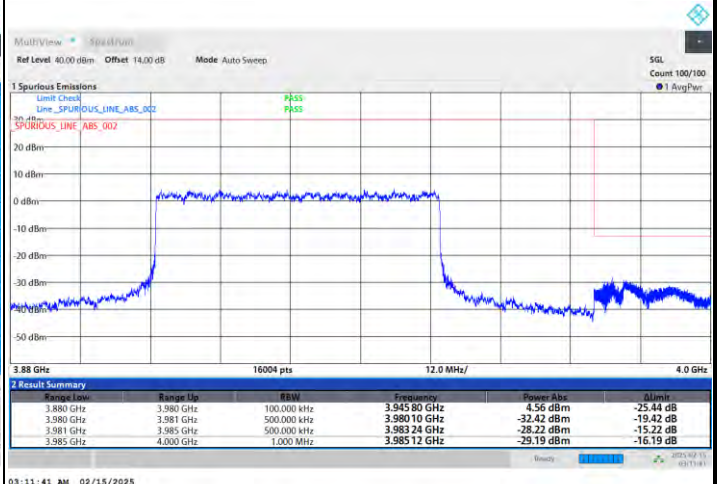
FR1 n77 / 100MHz / DFT-S OFDM / QPSK

Lowest Band Edge / Inner Full RB

Highest Band Edge / Inner Full RB



03:08:10 AM 02/15/2025



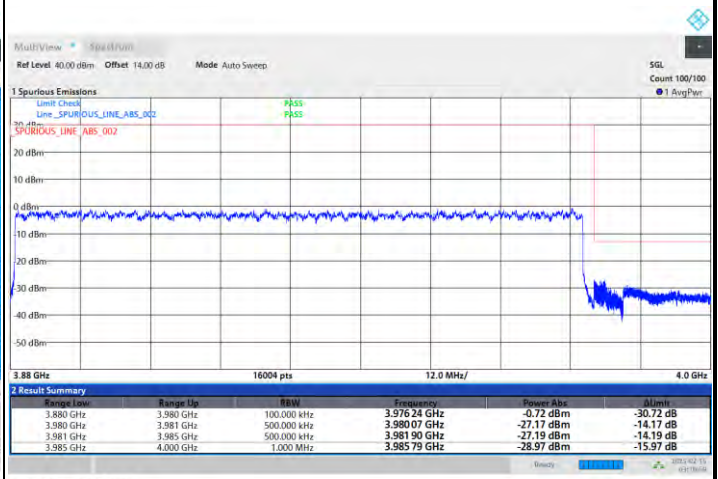
03:11:41 AM 02/15/2025

Lowest Band Edge / Outer Full RB

Highest Band Edge / Outer Full RB



03:07:28 AM 02/15/2025



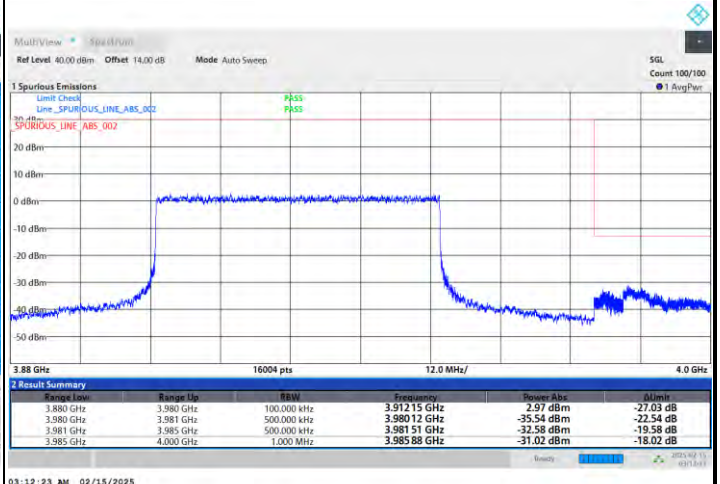
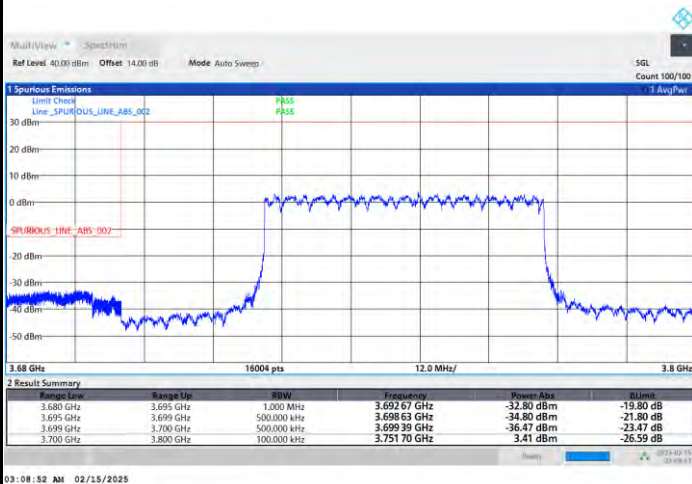
03:10:59 AM 02/15/2025



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

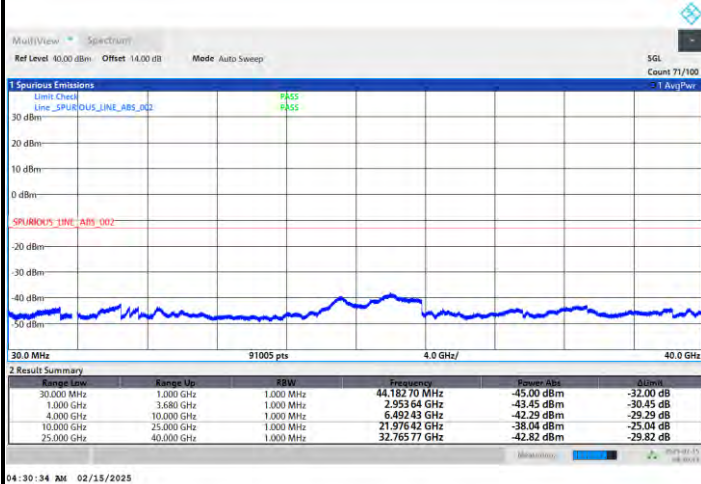
Lowest Channel



Middle Channel

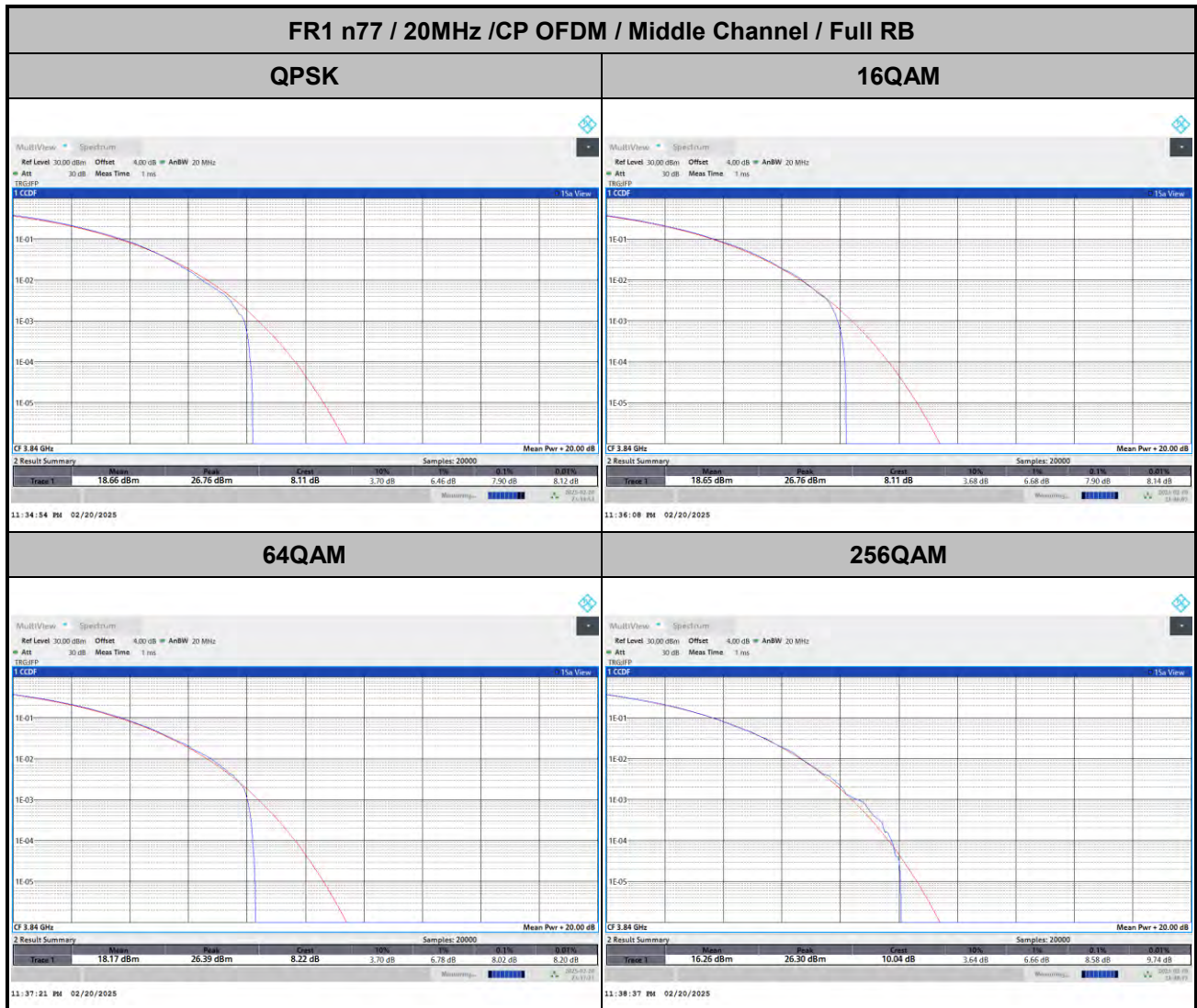


Highest Channel



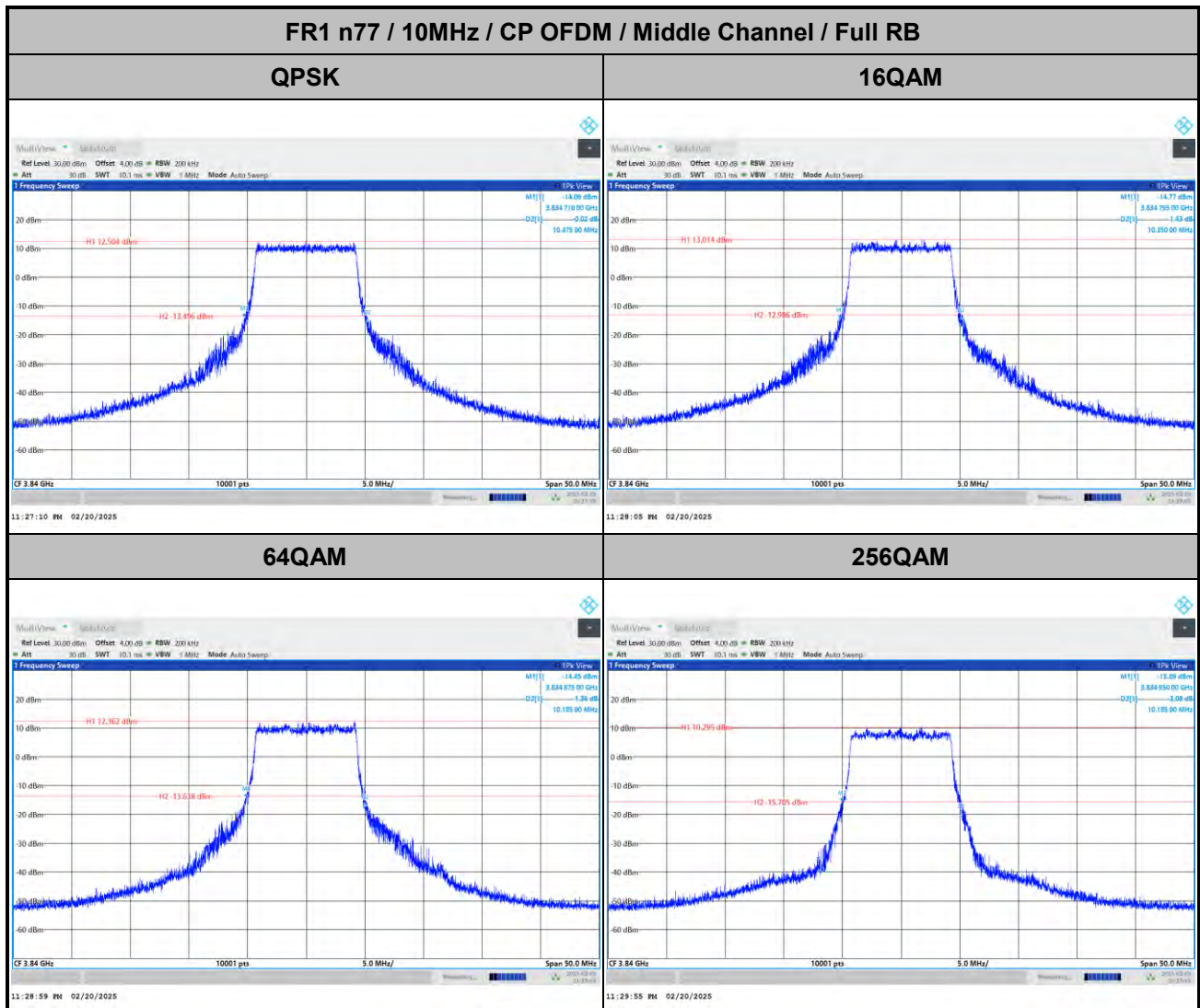
<MIMO Mode>
MIMO <Ant. 6+1> (Ant. 6)
Peak-to-Average Ratio

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	7.90	7.90	8.02	8.58	PASS



**26dB Bandwidth**

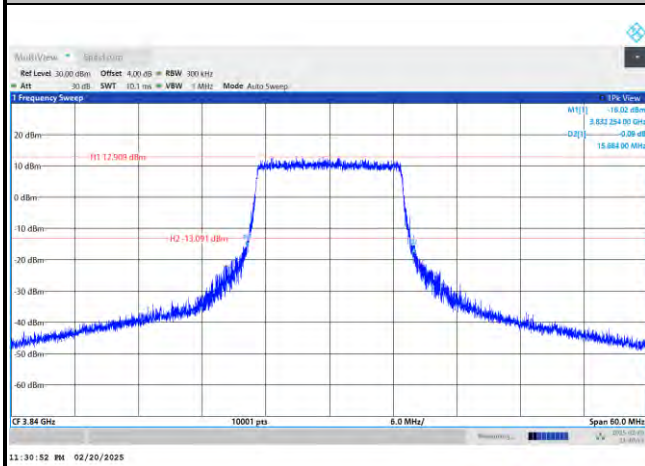
Mode	FR1 n77 : 26dB BW(MHz) / CP OFDM							
BW	10MHz		15MHz		20MHz		25MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	10.47	10.35	15.68	15.73	20.57	20.78	25.69	25.61
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	10.18	10.18	15.60	15.39	20.43	20.72	25.47	25.84
BW	30MHz		40MHz		50MHz		60MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	31.03	31.09	42.64	42.50	52.26	51.94	66.91	66.43
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	31.06	31.17	42.53	42.81	52.07	51.70	67.30	66.36
BW	70MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	76.41	77.04	83.20	84.74	96.87	97.27	107.31	107.22
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	77.23	77.74	84.26	84.22	97.98	97.56	106.14	106.46



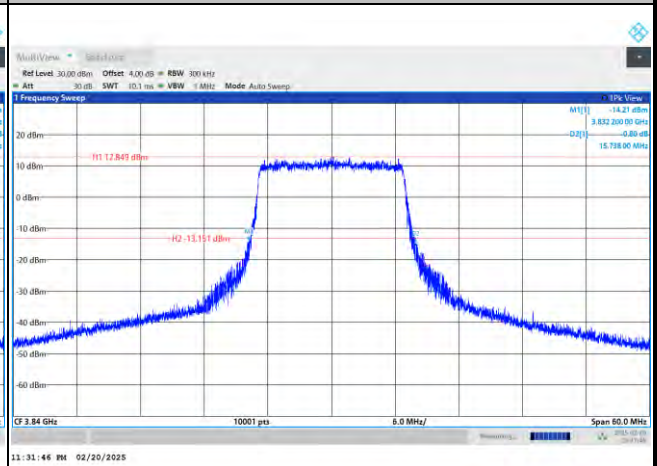


FR1 n77 / 15MHz / CP OFDM / Middle Channel / Full RB

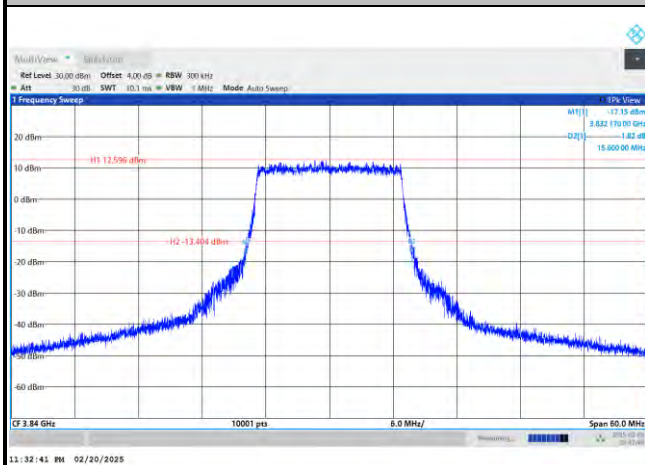
QPSK



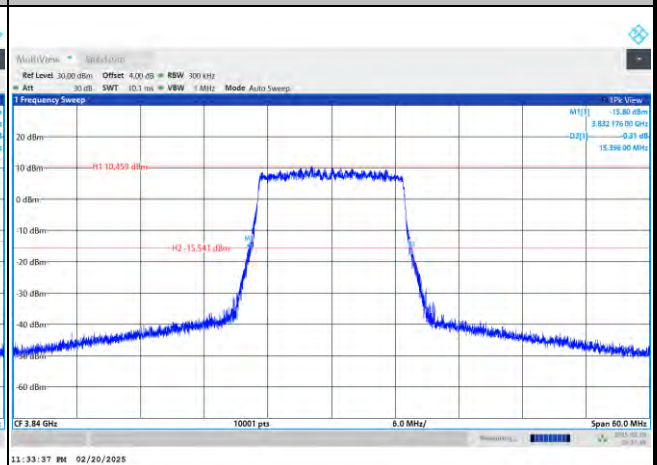
16QAM



64QAM



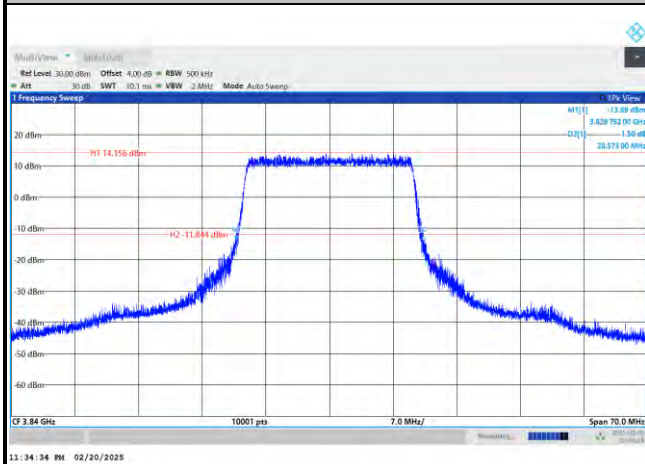
256QAM



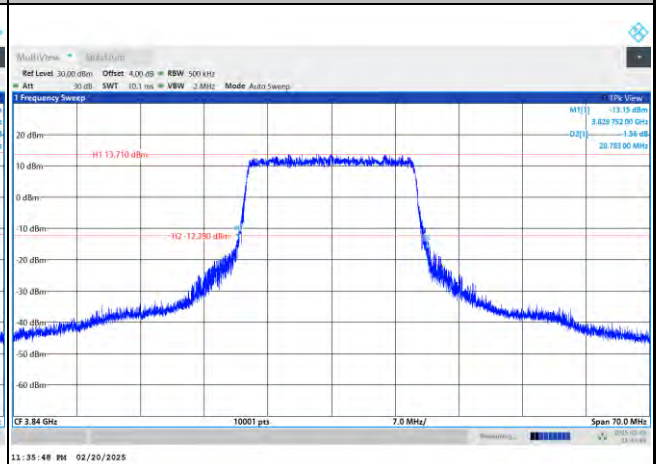


FR1 n77 / 20MHz / CP OFDM / Middle Channel / Full RB

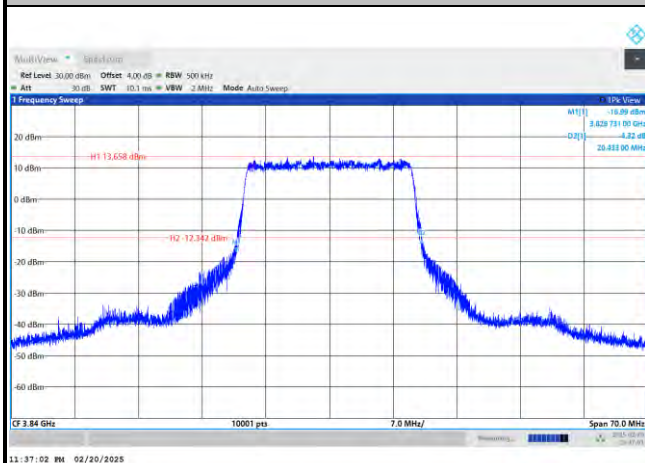
QPSK



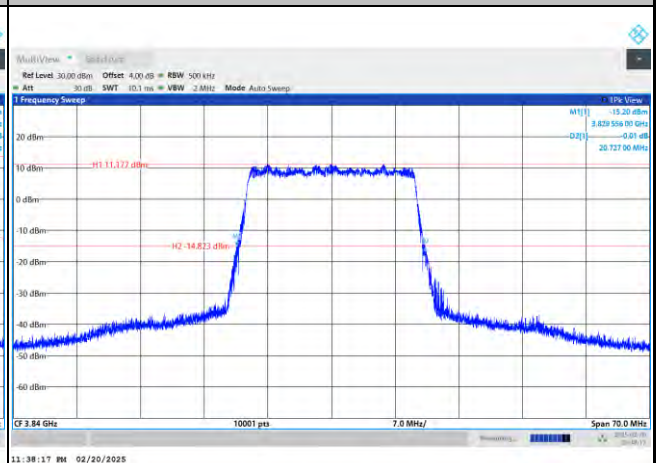
16QAM



64QAM



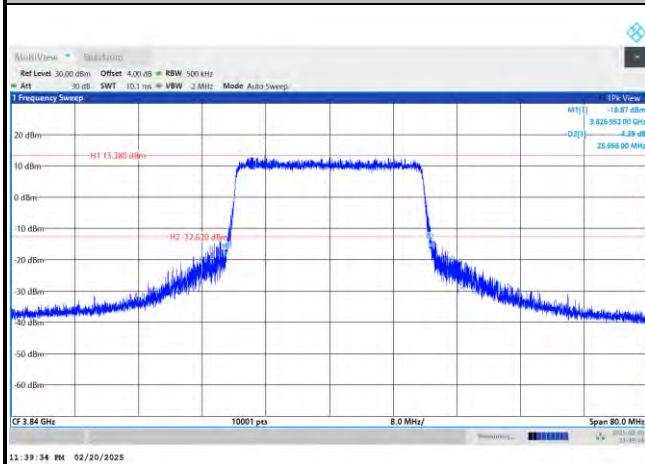
256QAM



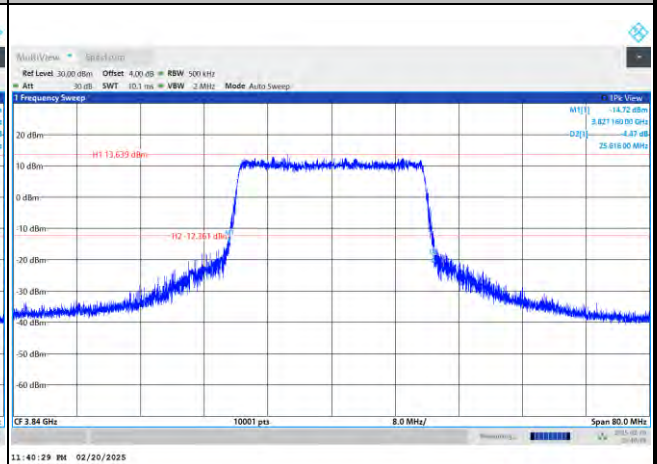


FR1 n77 / 25MHz / CP OFDM / Middle Channel / Full RB

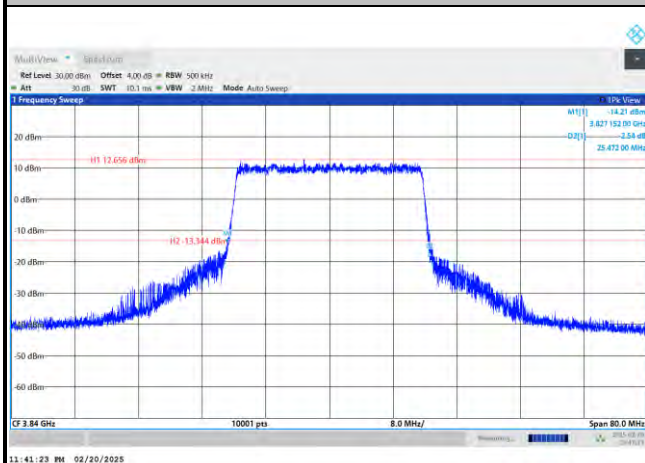
QPSK



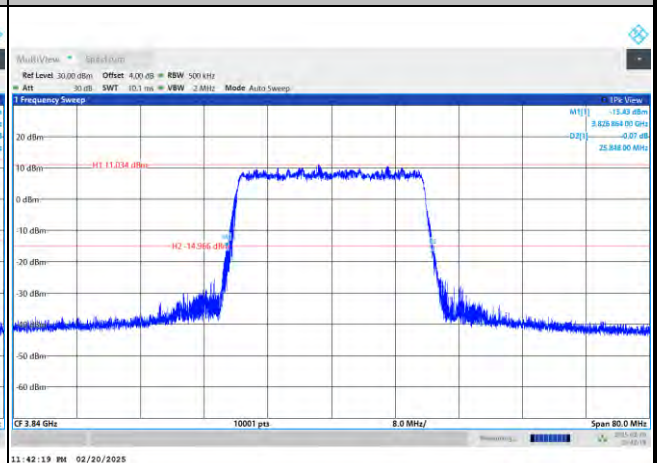
16QAM

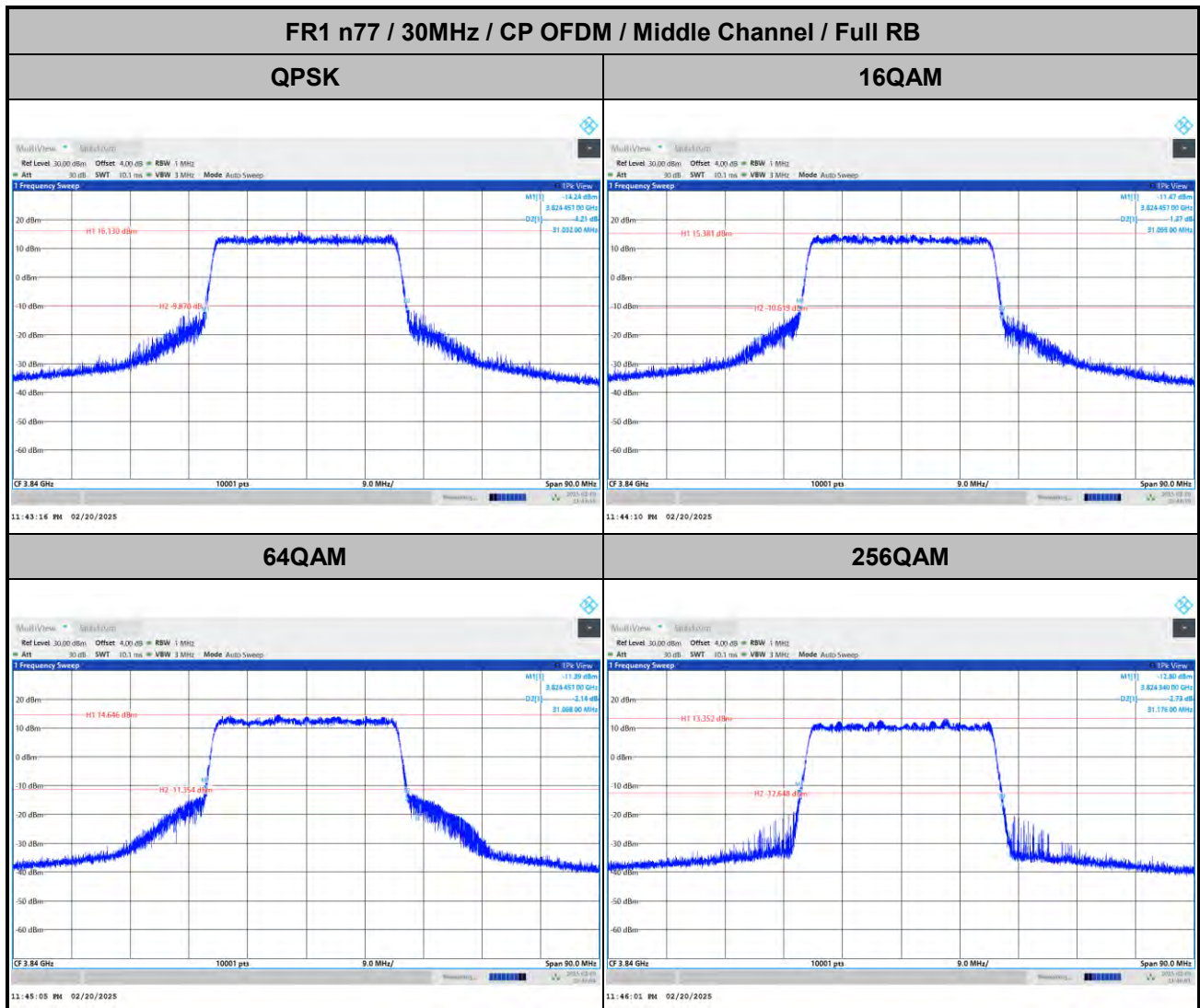


64QAM



256QAM

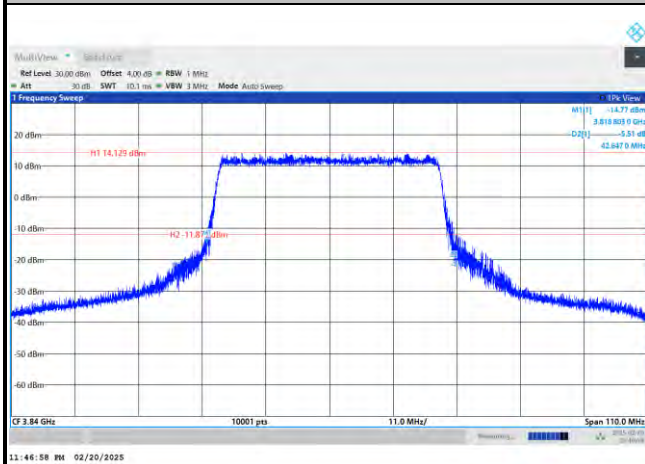




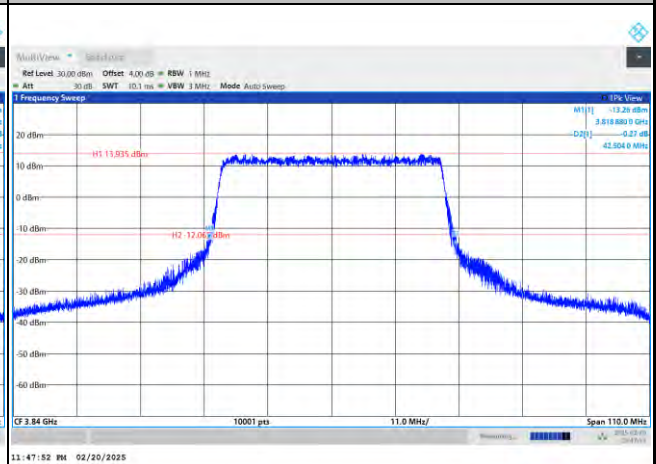


FR1 n77 / 40MHz / CP OFDM / Middle Channel / Full RB

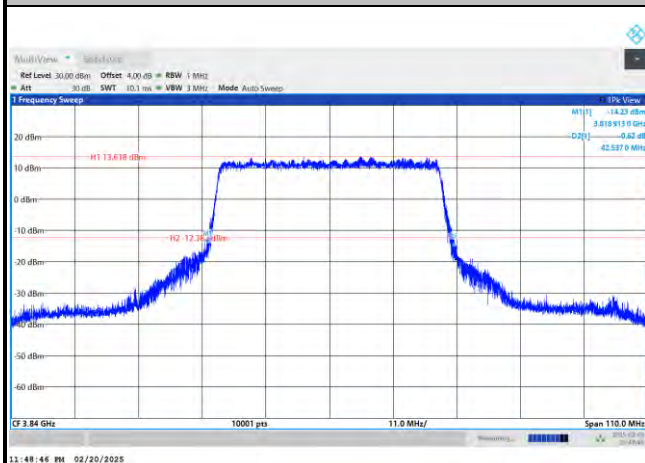
QPSK



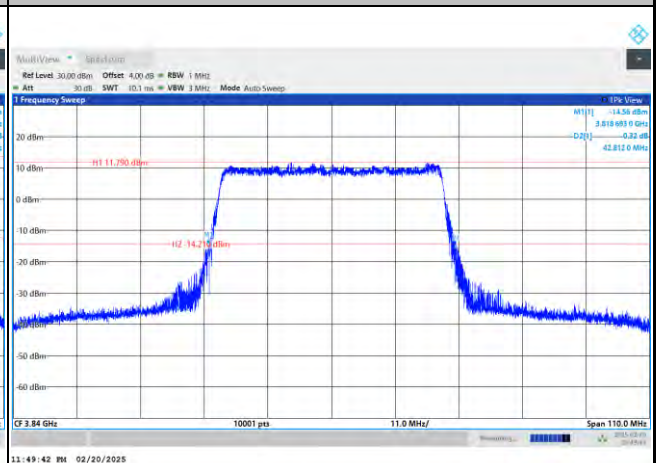
16QAM

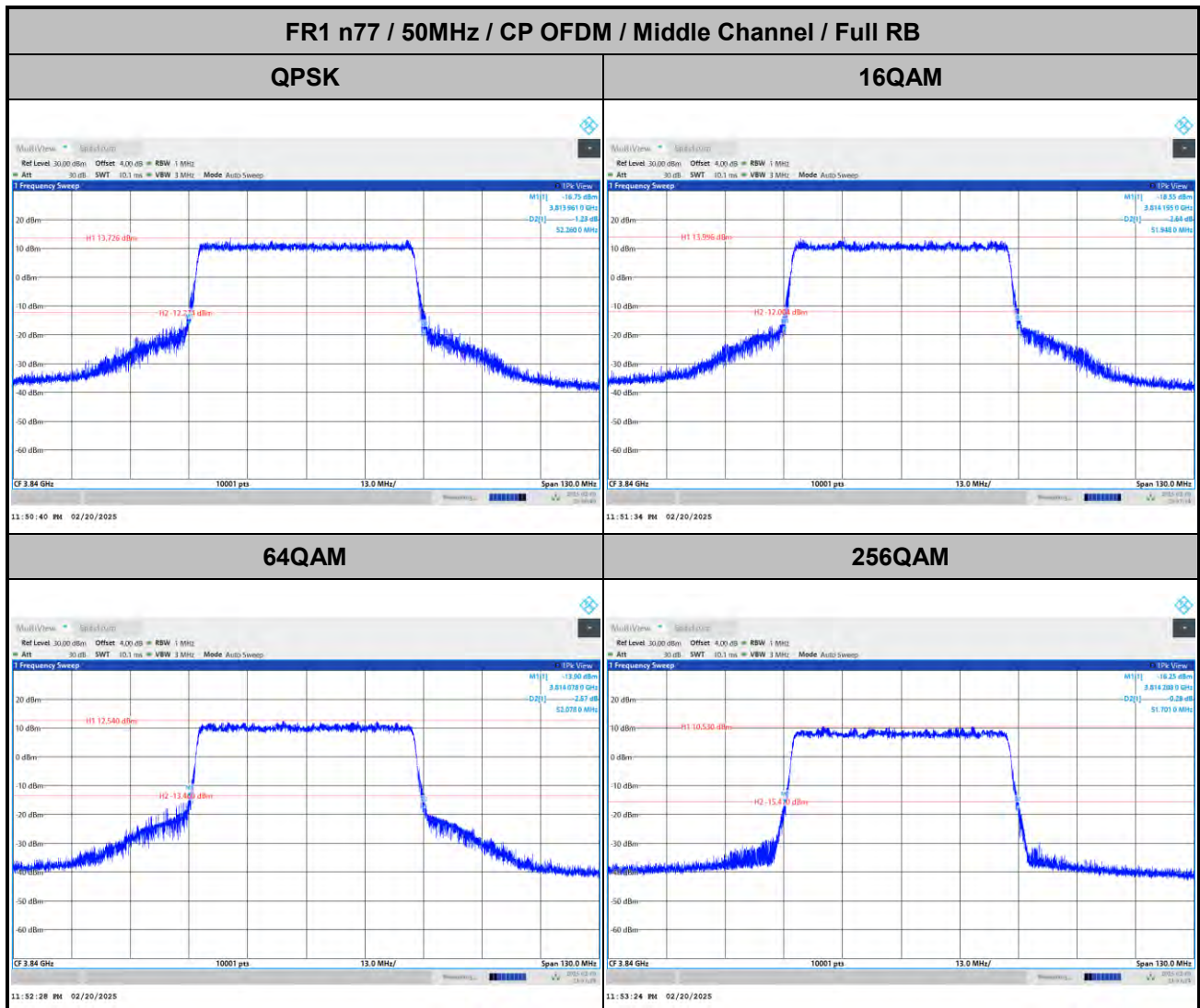


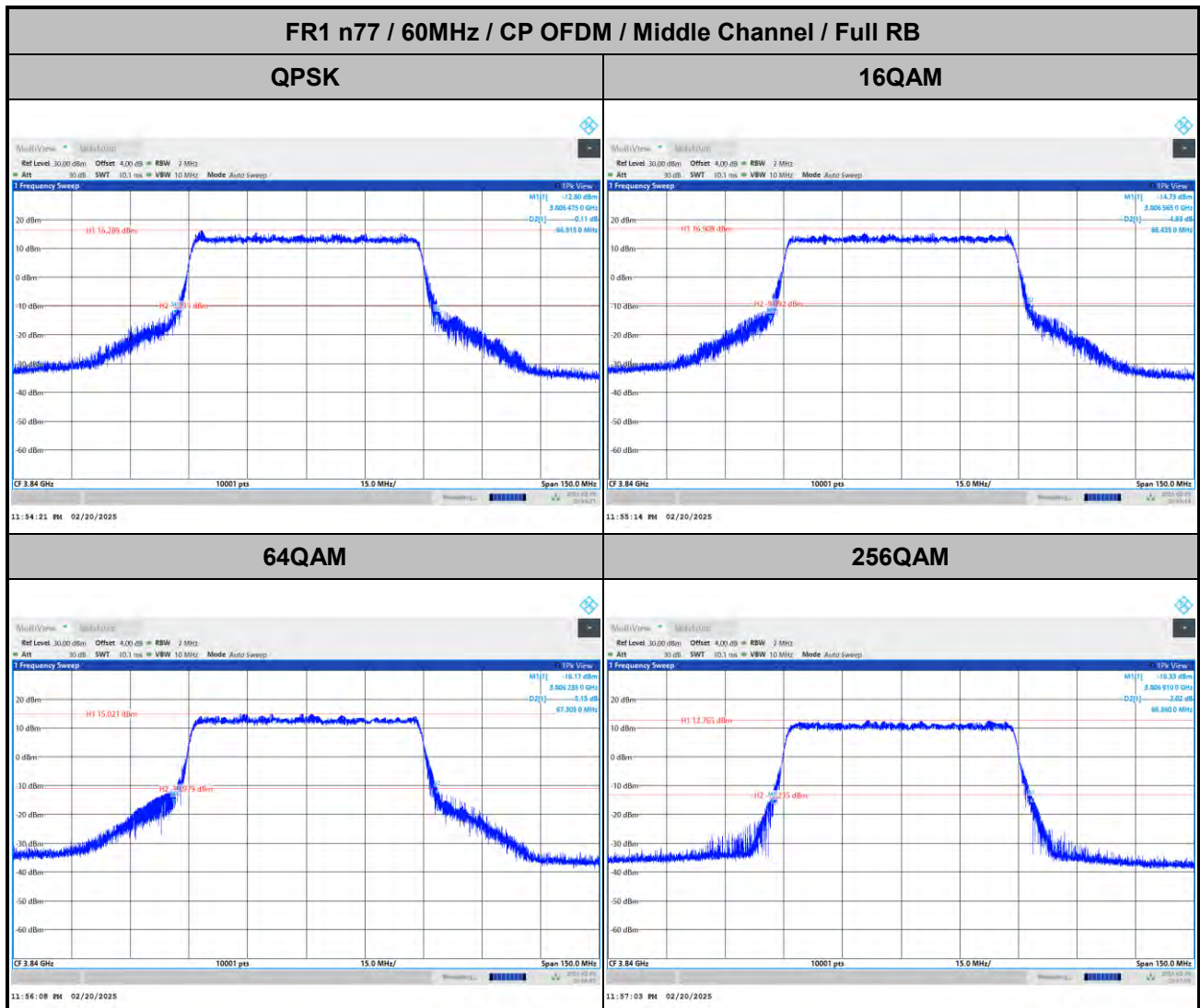
64QAM



256QAM



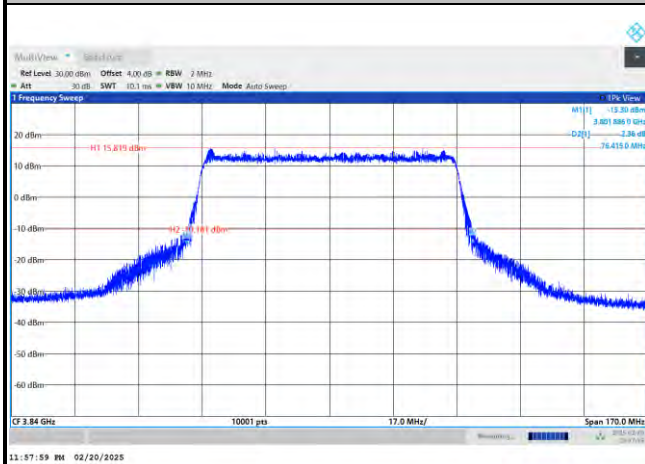




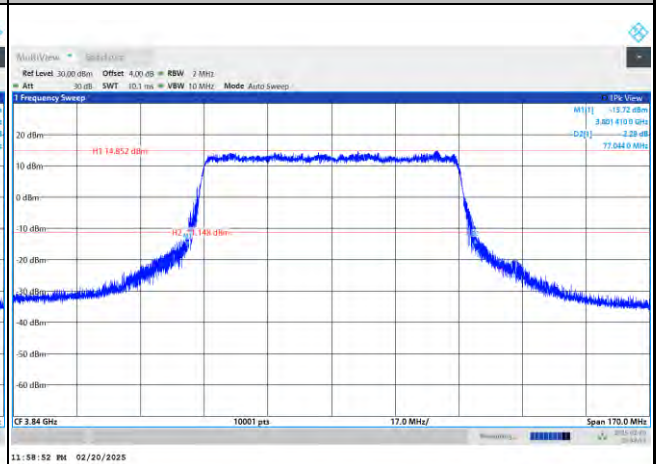


FR1 n77 / 70MHz / CP OFDM / Middle Channel / Full RB

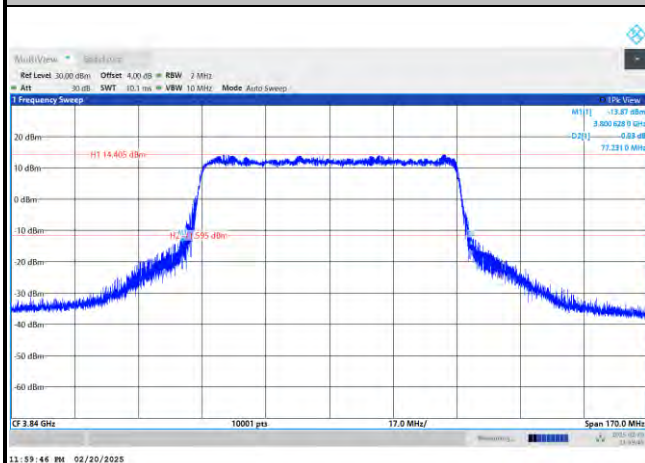
QPSK



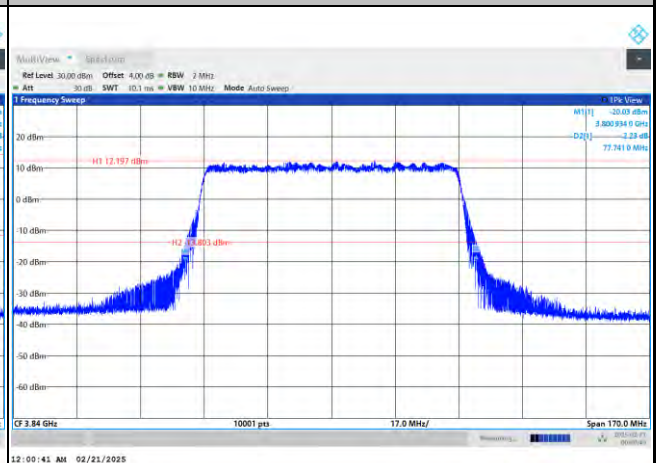
16QAM



64QAM



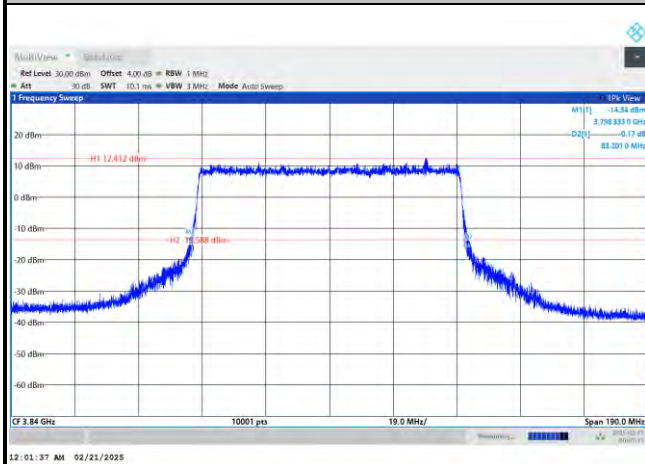
256QAM



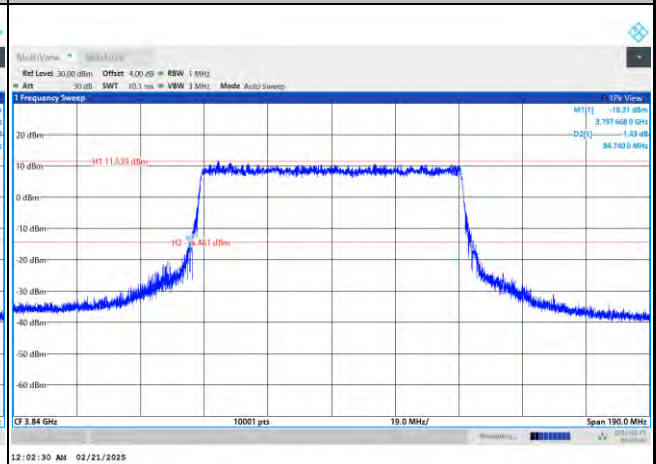


FR1 n77 / 80MHz / CP OFDM / Middle Channel / Full RB

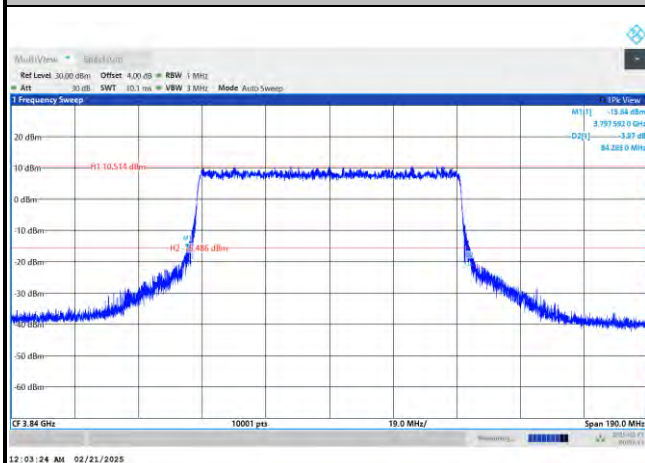
QPSK



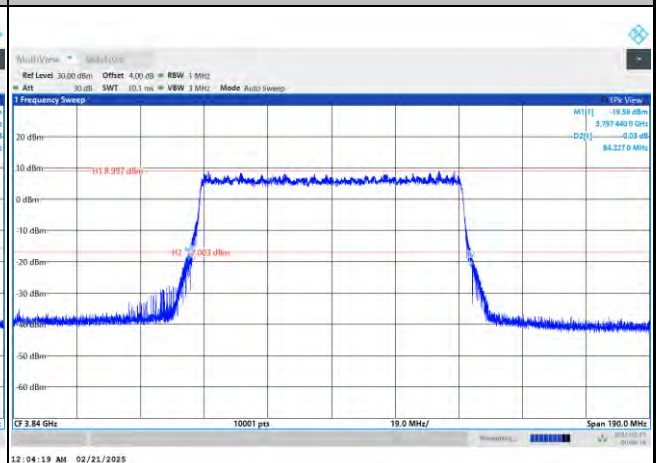
16QAM

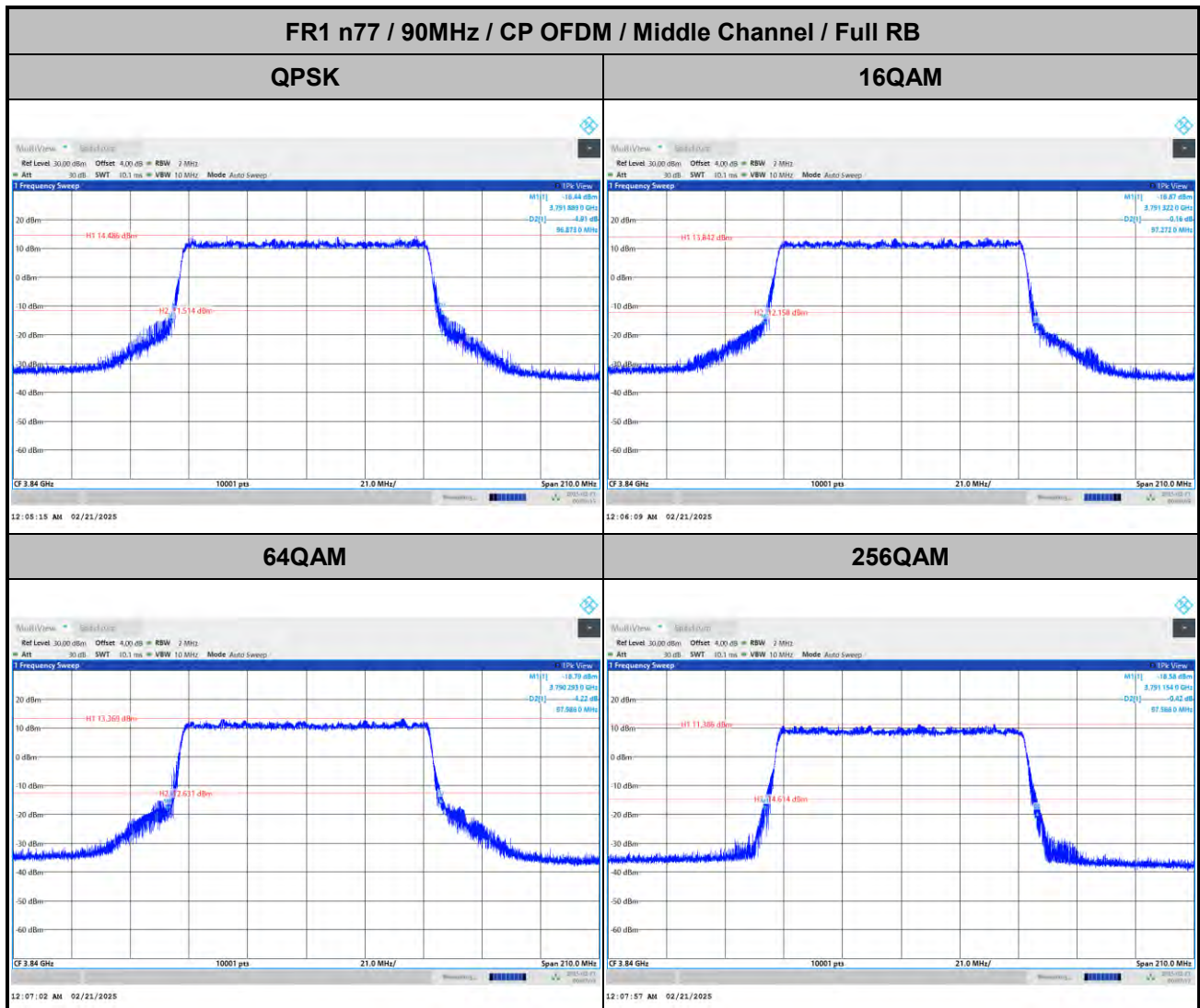


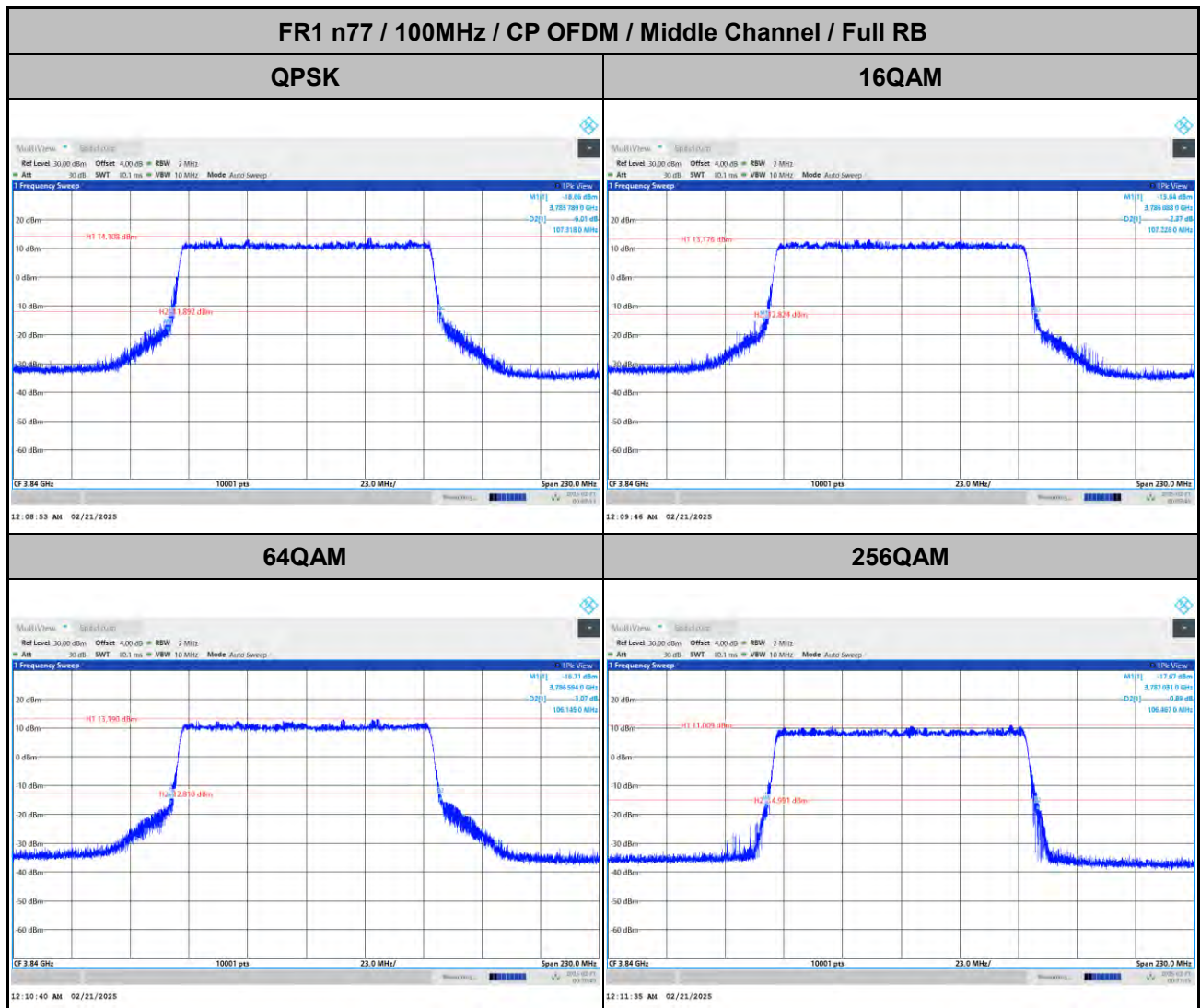
64QAM



256QAM







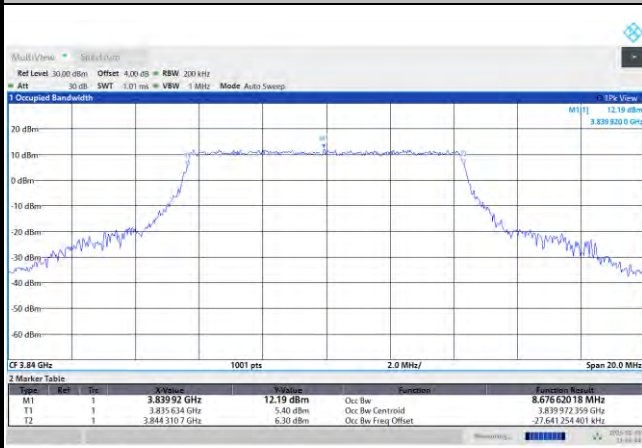
**Occupied Bandwidth**

Mode	FR1 n77 : OB BW(MHz) / CP OFDM							
BW	10MHz		15MHz		20MHz		25MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	8.67	8.66	13.63	13.72	18.42	18.39	23.31	23.35
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	8.64	8.64	13.67	13.59	18.33	18.37	23.33	23.44
BW	30MHz		40MHz		50MHz		60MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	28.16	28.16	38.24	38.21	47.72	47.70	58.62	58.65
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	28.20	28.23	38.23	38.21	47.65	47.58	58.73	58.44
BW	70MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	68.13	68.23	78.05	78.07	87.98	87.93	98.01	97.77
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	68.31	68.33	77.99	78.03	88.32	88.09	97.81	97.93



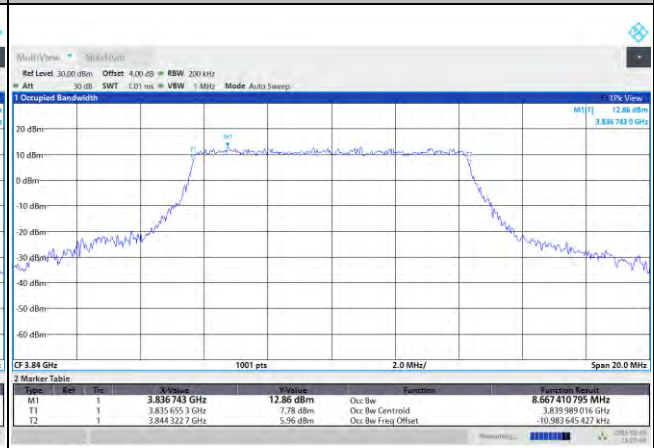
FR1 n77 / 10MHz / CP OFDM / Middle Channel / Full RB

QPSK



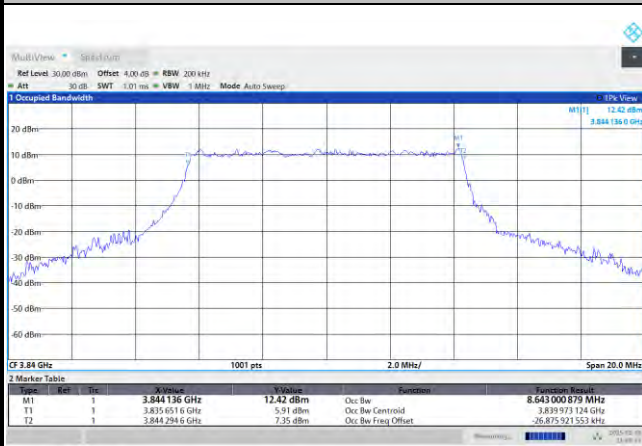
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16QAM



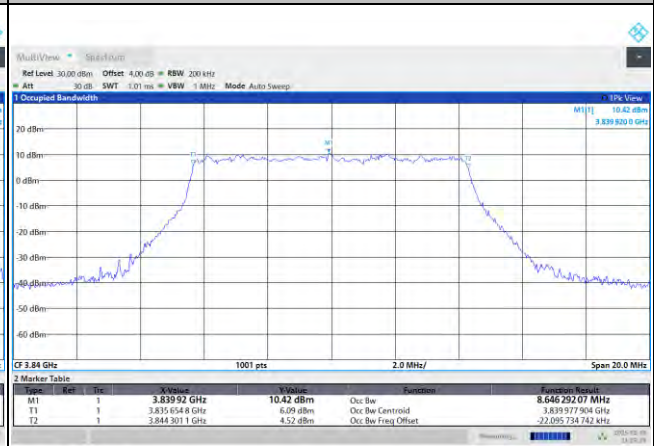
11:27:38 PM 02/20/2025

64QAM



11:28:32 PM 02/20/2025

256QAM

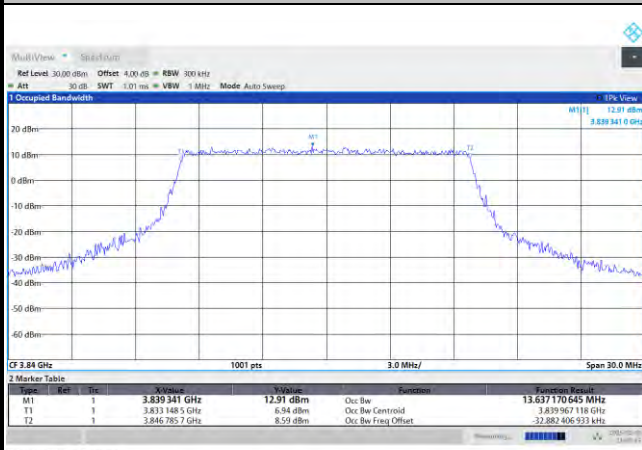


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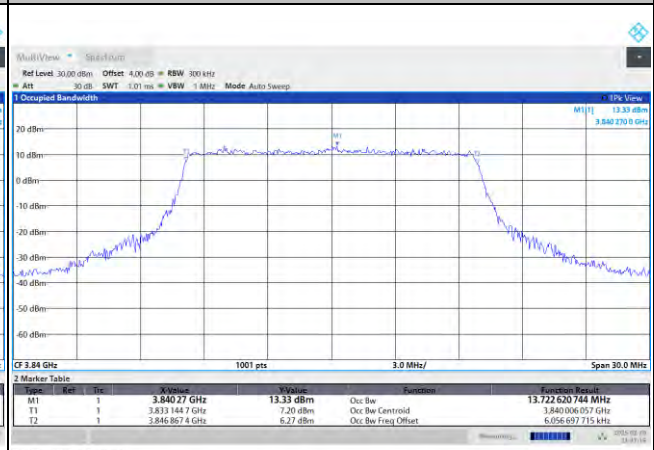


FR1 n77 / 15MHz / CP OFDM / Middle Channel / Full RB

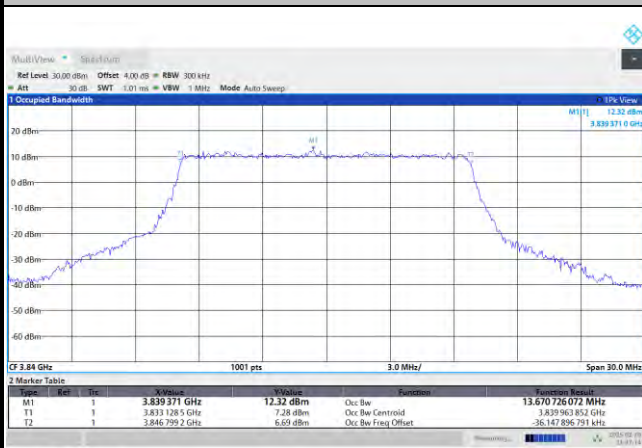
QPSK



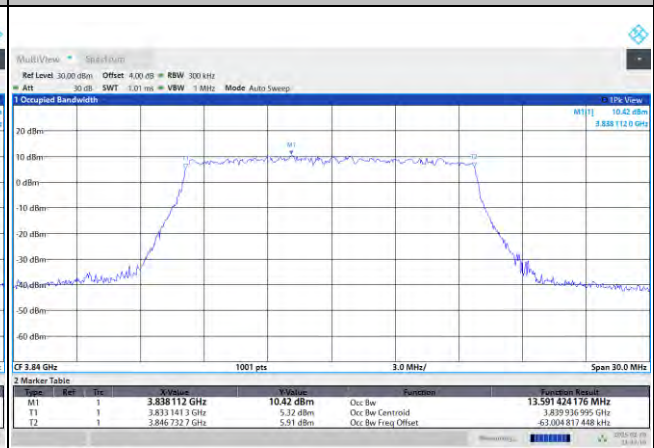
16QAM



64QAM



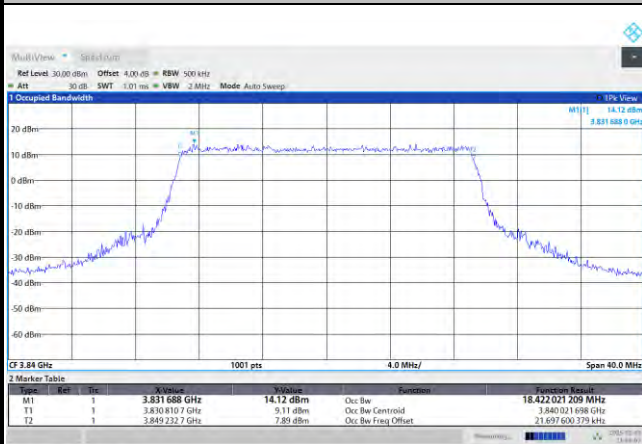
256QAM



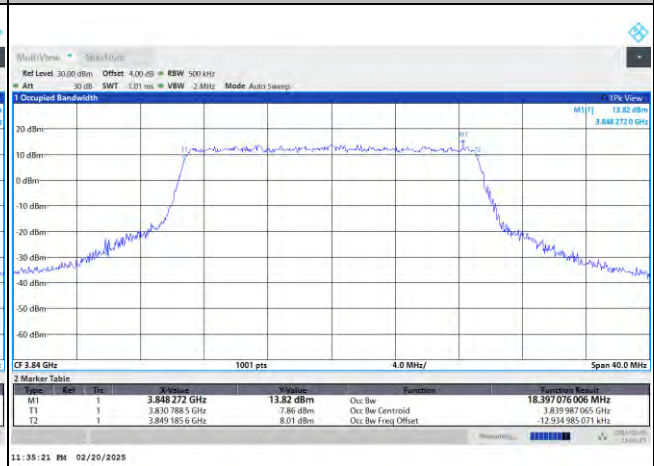


FR1 n77 / 20MHz / CP OFDM / Middle Channel / Full RB

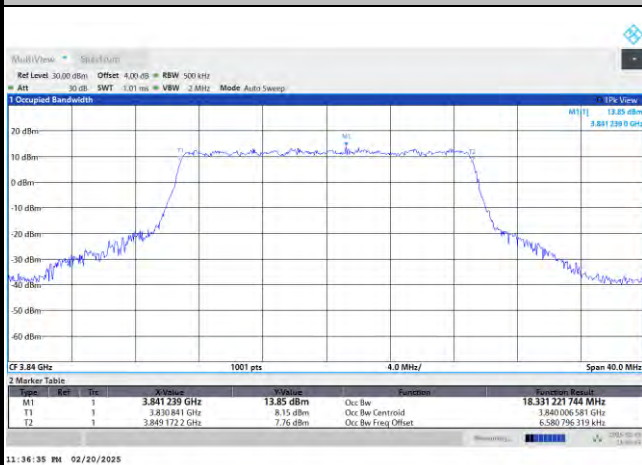
QPSK



16QAM



64QAM



256QAM

