

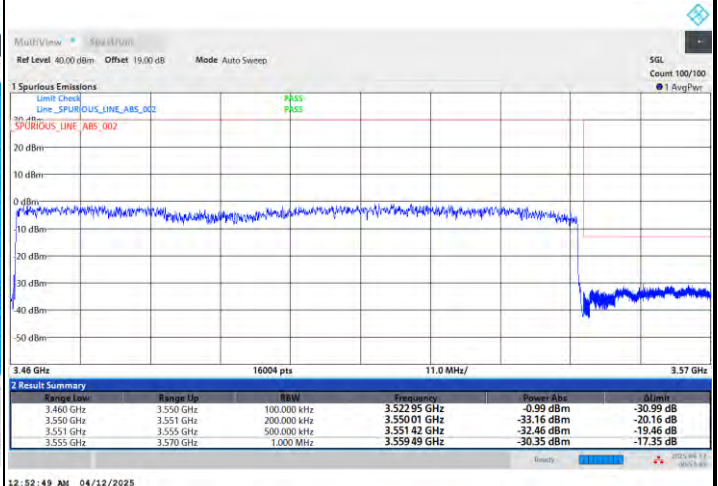


FR1 n77 / 90MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

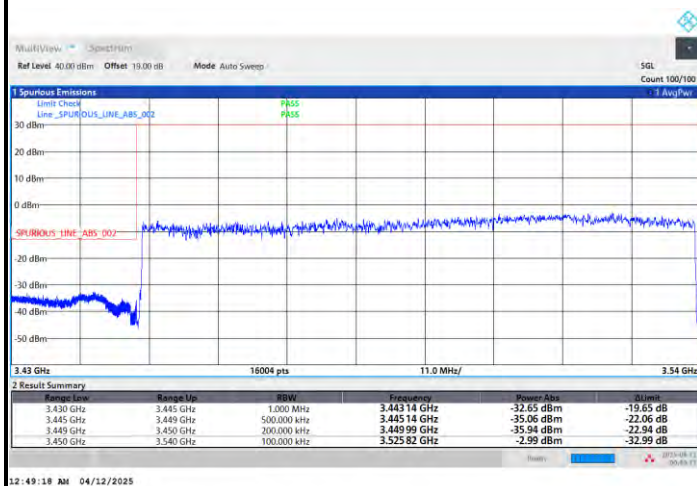


Highest Band Edge / Full RB

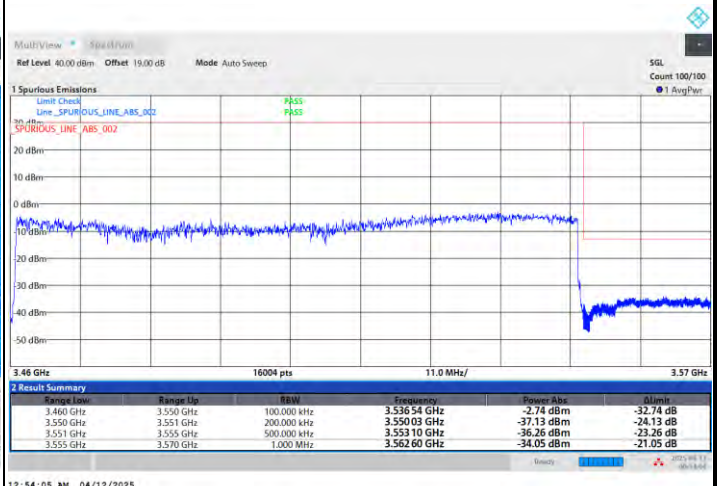


FR1 n77 / 90MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB



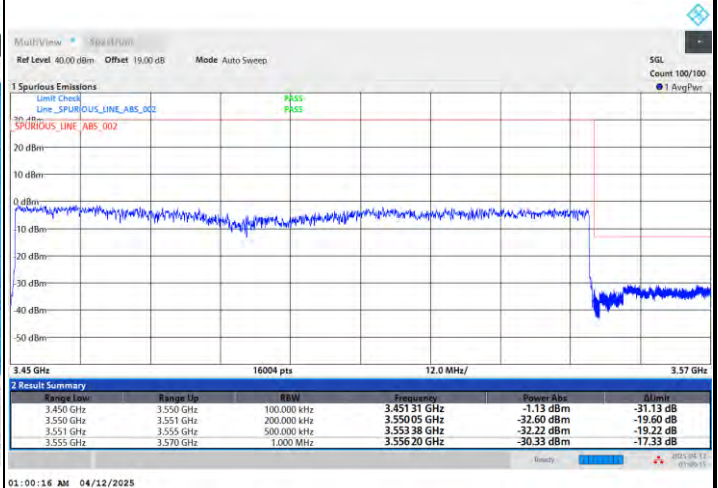


FR1 n77 / 100MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

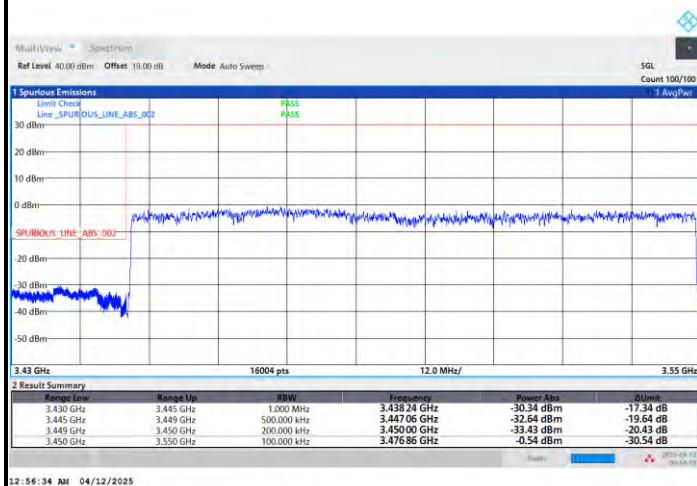


Highest Band Edge / Full RB

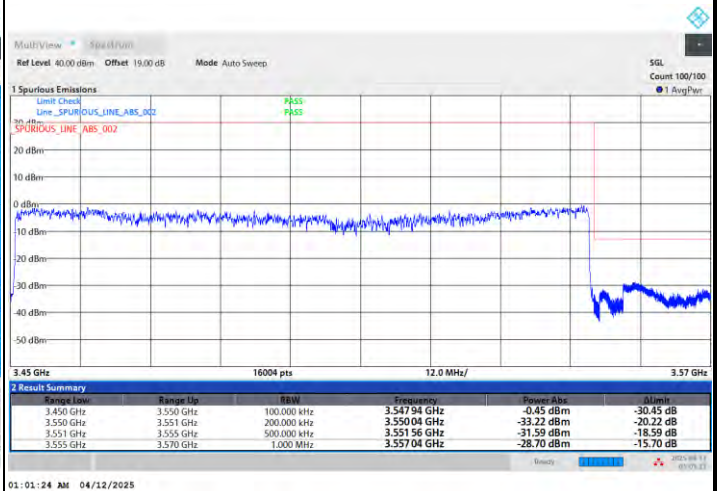


FR1 n77 / 100MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB



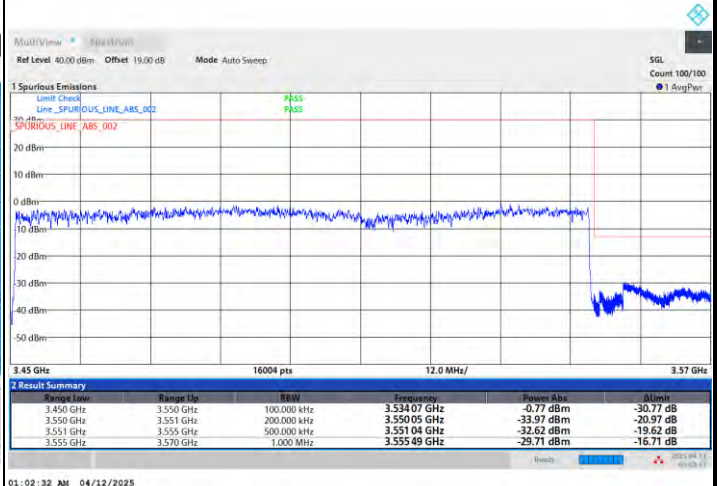


FR1 n77 / 100MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

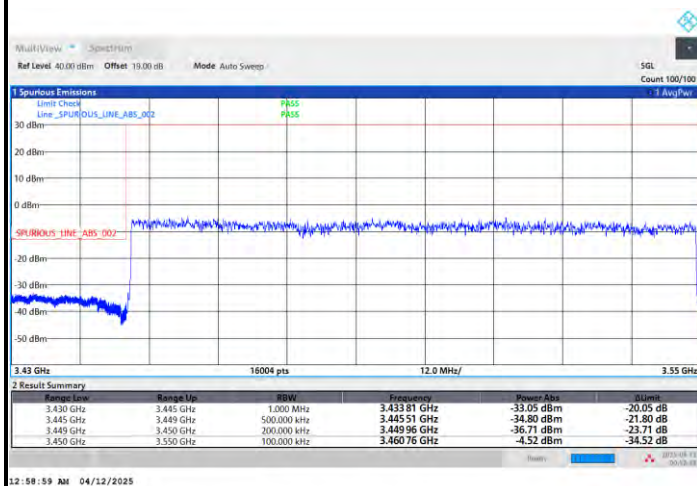


Highest Band Edge / Full RB

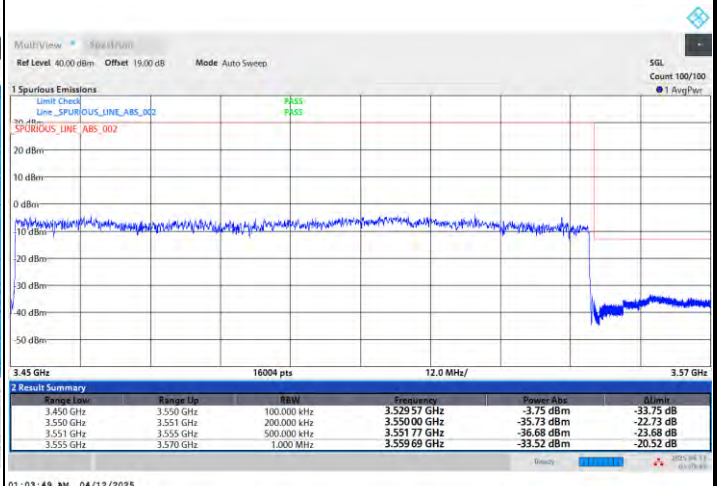


FR1 n77 / 100MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

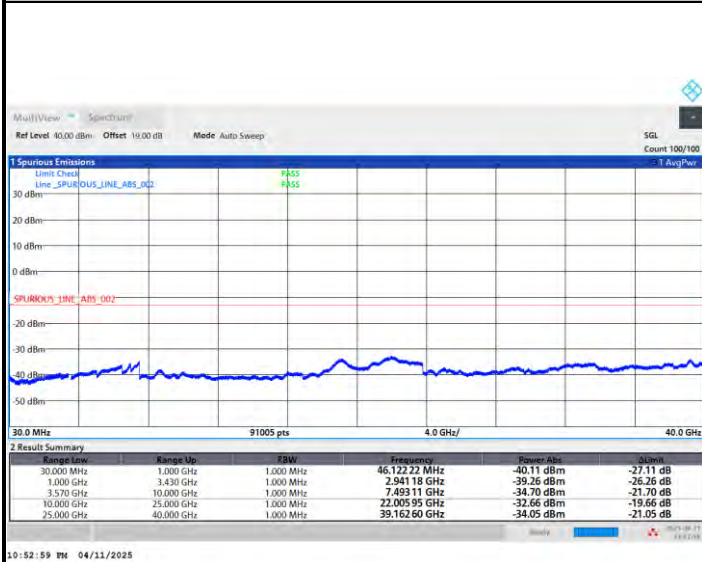




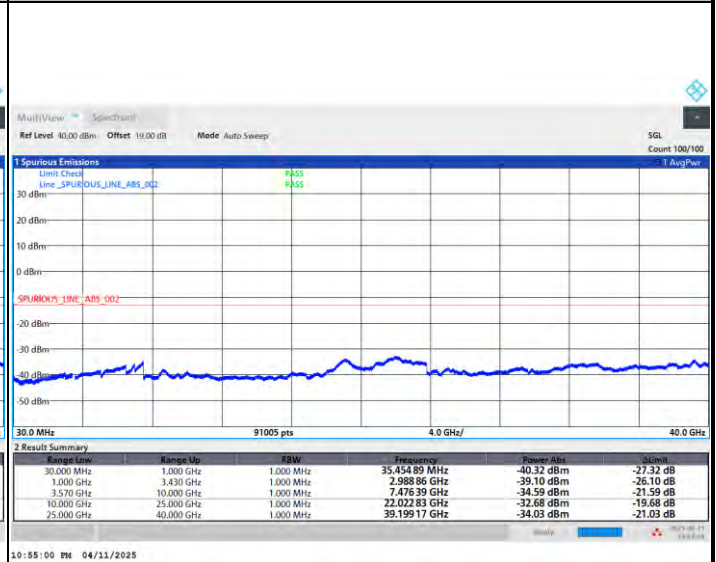
Conducted Spurious Emission

FR1 n77 / 10MHz / CP OFDM / QPSK / 1RB1

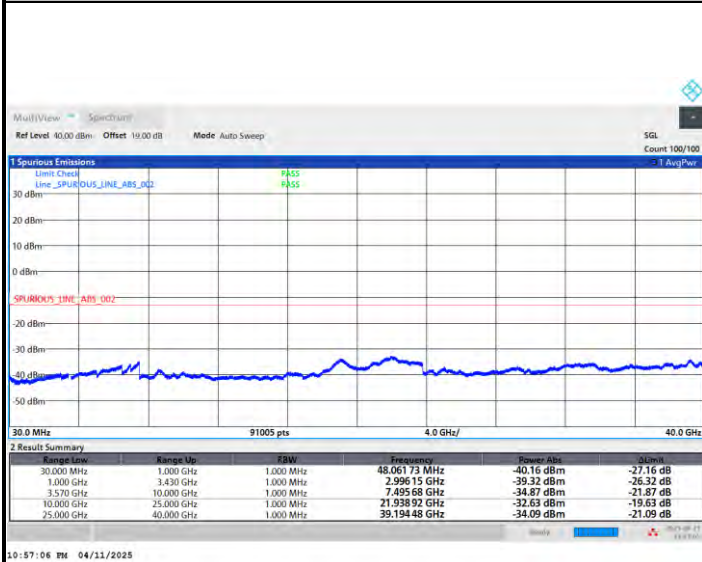
Lowest Channel



Middle Channel



Highest Channel



Frequency Stability

Test Conditions		FR1 n77 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0031	PASS
40	Normal Voltage	0.0022	
30	Normal Voltage	0.0024	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0028	
-10	Normal Voltage	0.0029	
-20	Normal Voltage	0.0010	
-30	Normal Voltage	0.0012	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0040	

Note:

1. Normal Voltage = 3.85 V. ; Minimum Voltage = 3.30 V. ; Maximum Voltage = 4.40 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

**<MIMO Mode>****MIMO <Ant. 5+7> (Ant. 7)****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	7.02	7.00	7.60	8.82	PASS



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

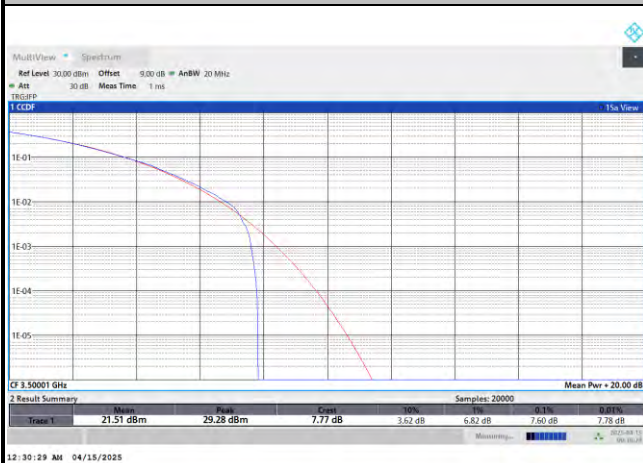
QPSK



16QAM



64QAM

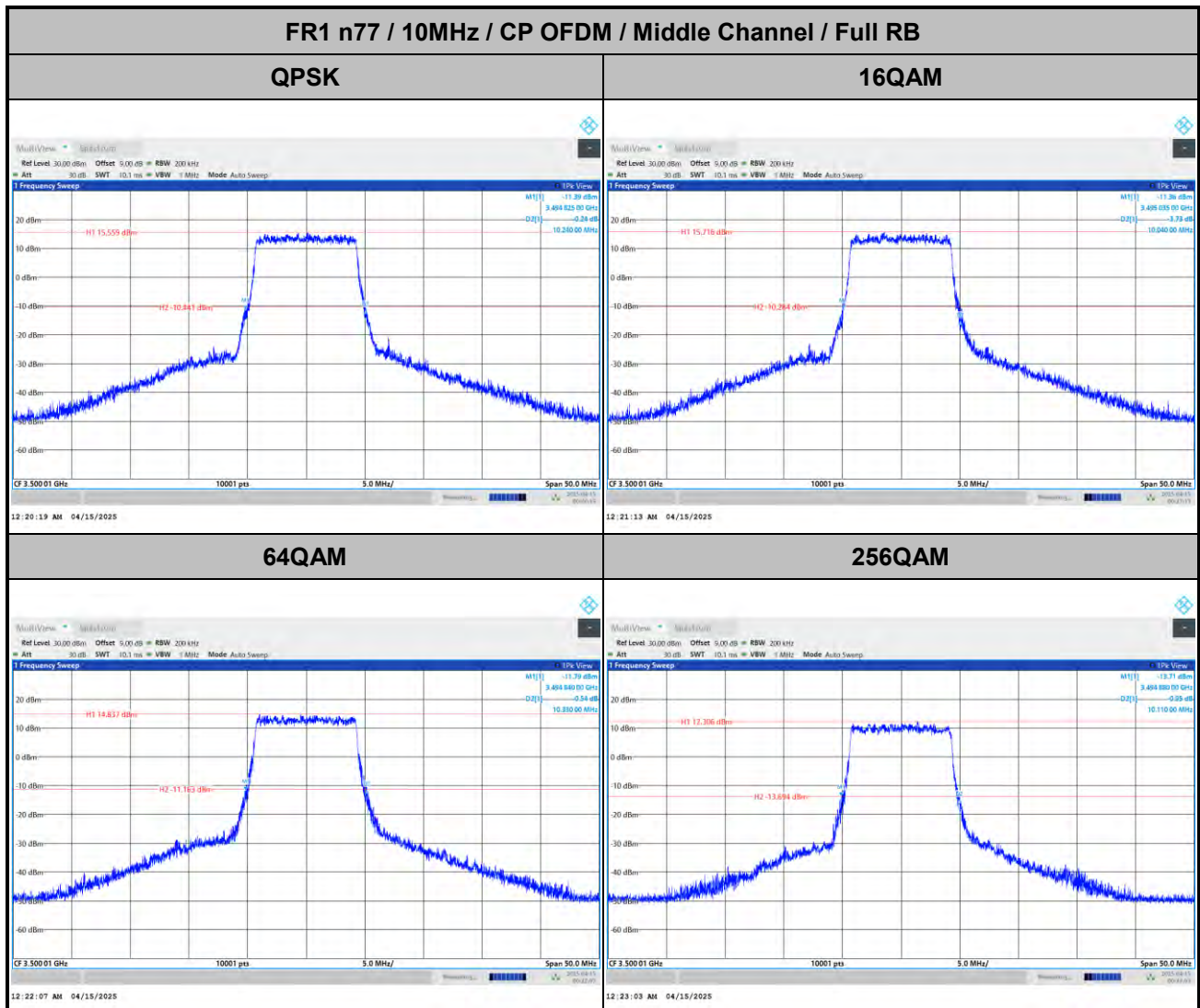


256QAM



**26dB Bandwidth**

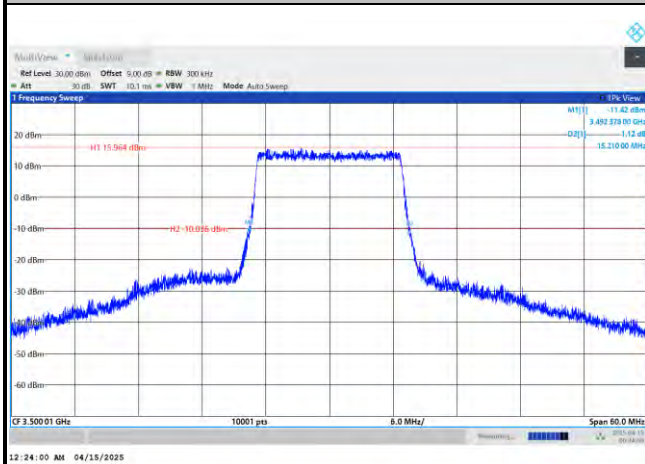
Mode	FR1 n77 : 26dB BW(MHz) / CP OFDM							
BW	10MHz		15MHz		20MHz		25MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	10.24	10.04	15.21	15.34	20.37	20.27	25.28	25.48
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	10.33	10.11	15.32	15.19	20.24	20.29	25.38	25.10
BW	30MHz		40MHz		50MHz		60MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	30.73	30.77	40.78	41.05	50.76	50.47	62.88	62.98
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	30.85	30.64	40.78	40.93	50.81	50.50	63.00	62.85
BW	70MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	72.55	72.42	80.88	80.94	92.63	92.58	102.62	102.64
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	72.62	72.48	80.59	80.92	92.56	92.61	102.71	102.85



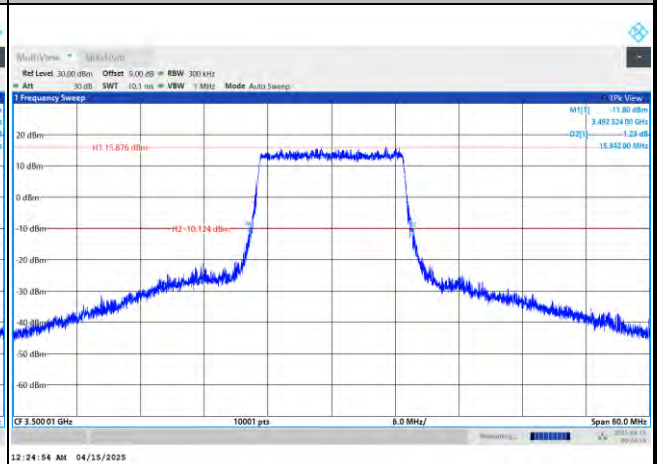


FR1 n77 / 15MHz / CP OFDM / Middle Channel / Full RB

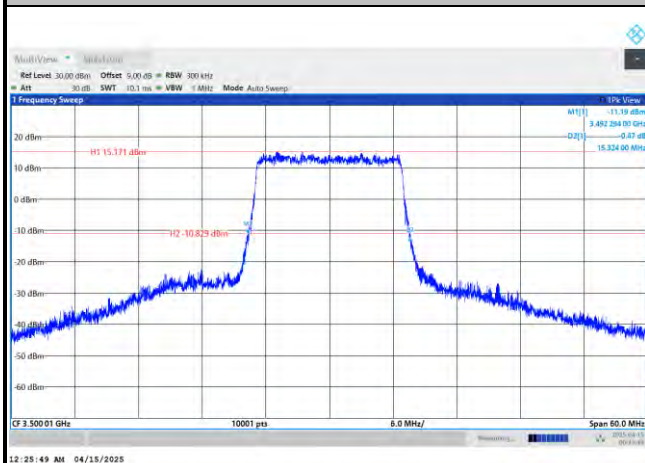
QPSK



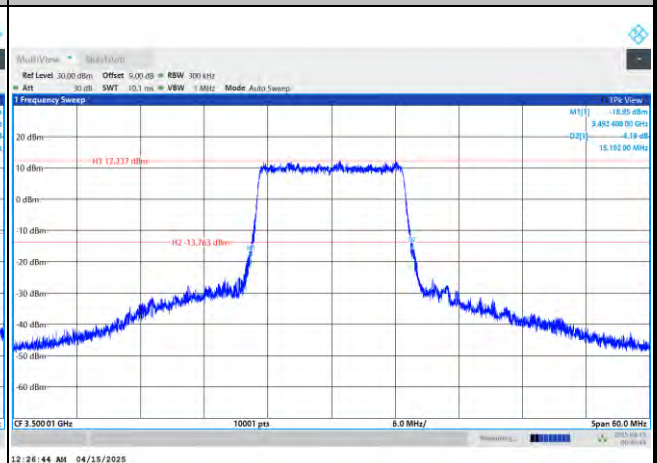
16QAM

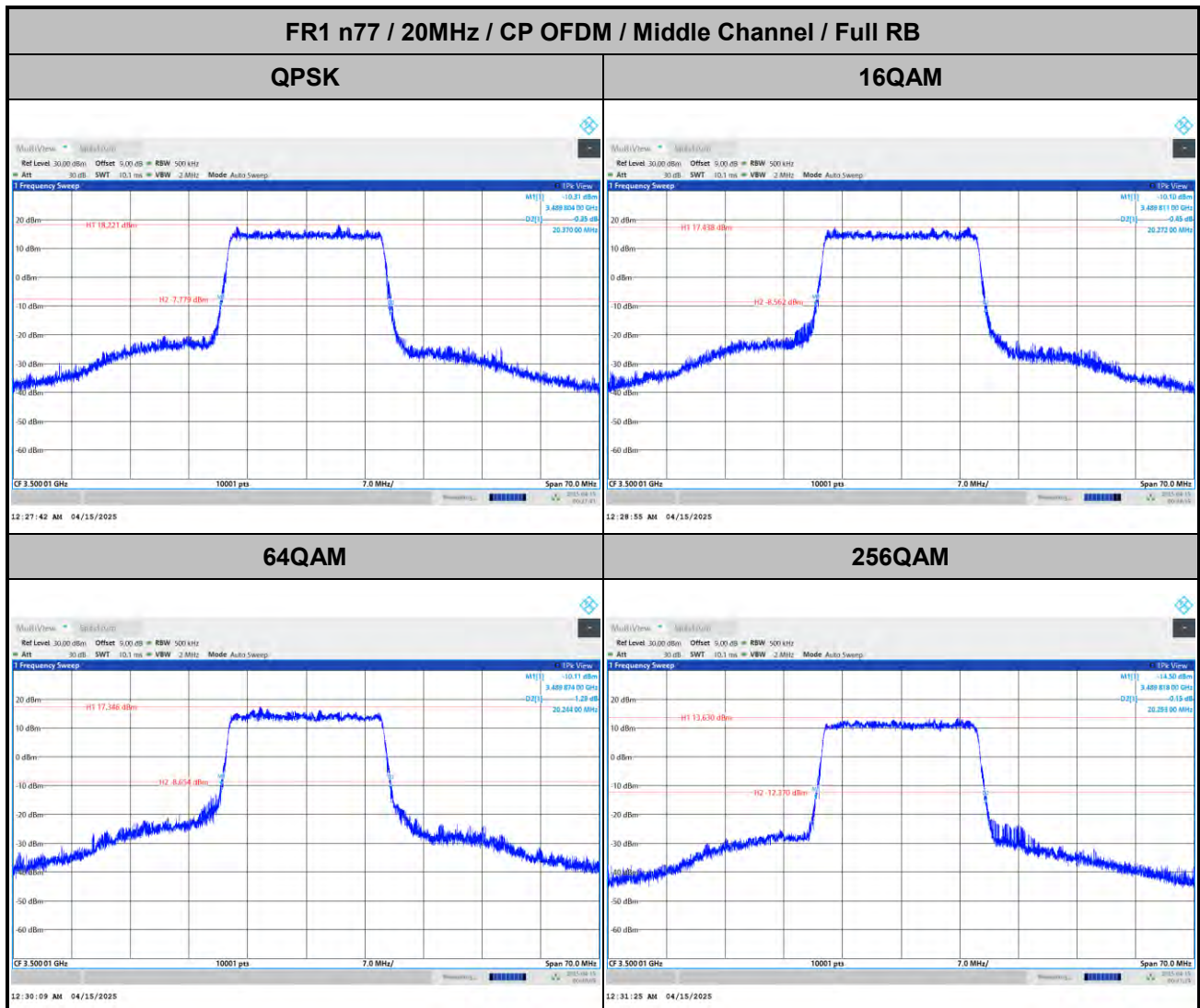


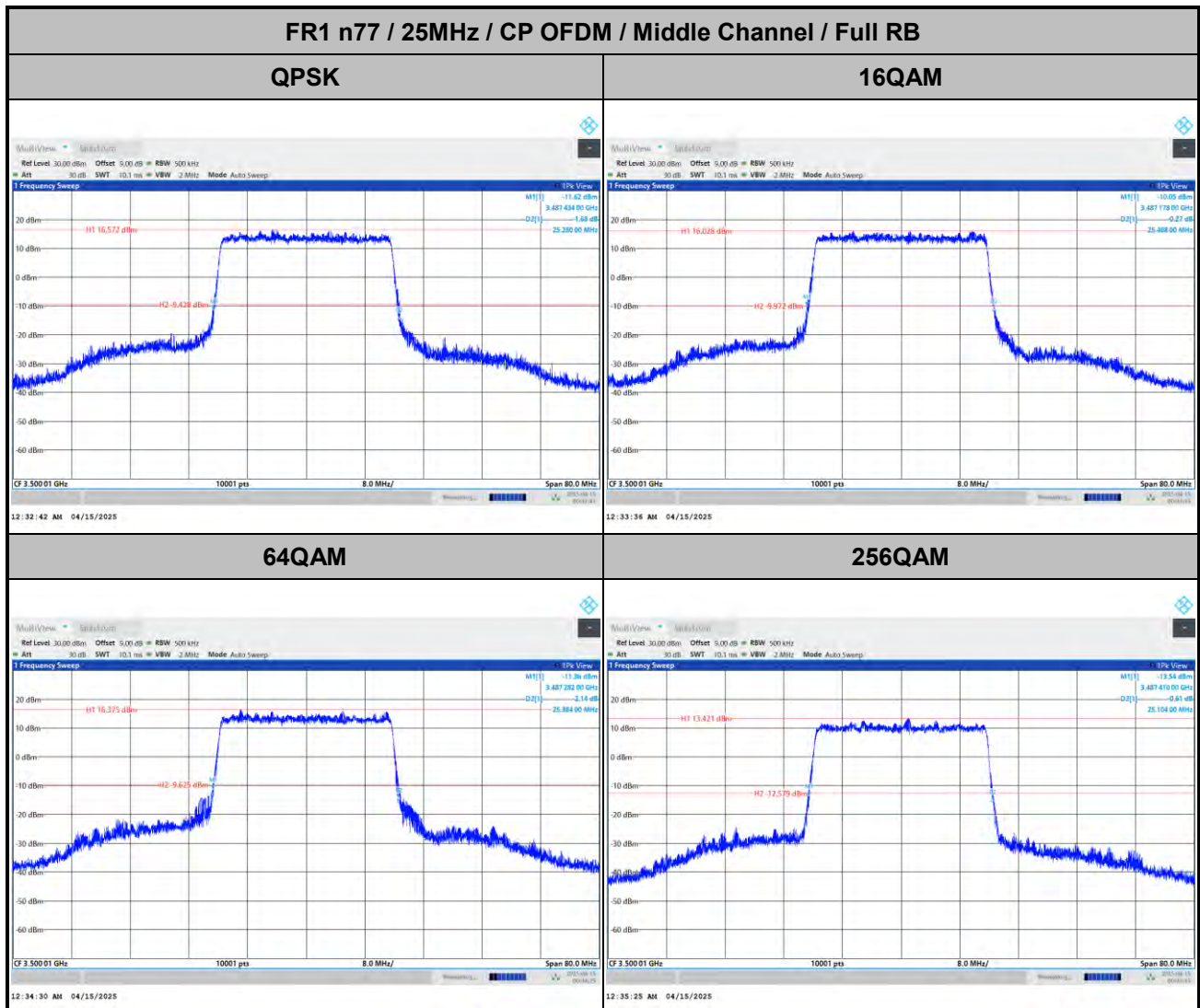
64QAM

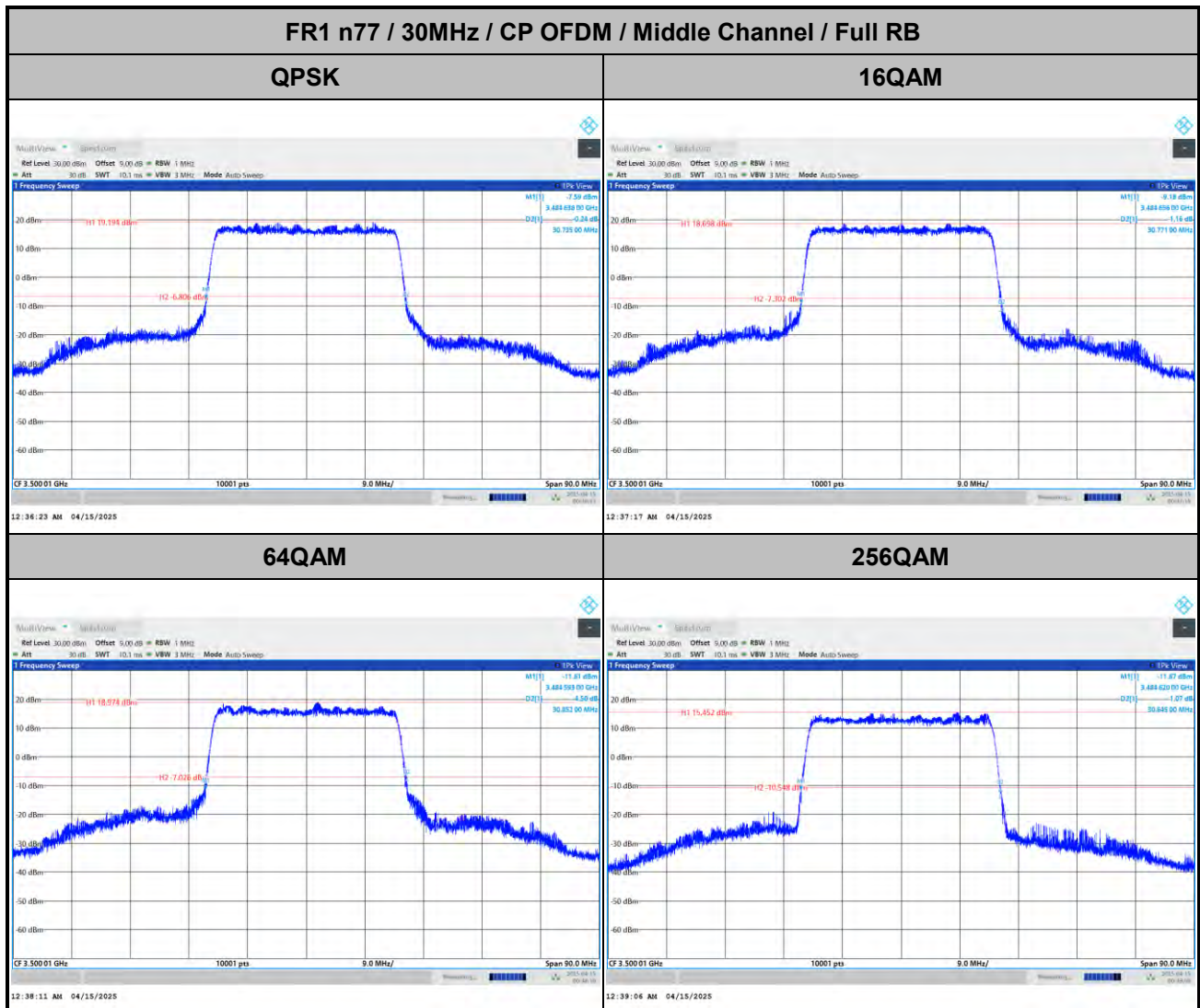


256QAM





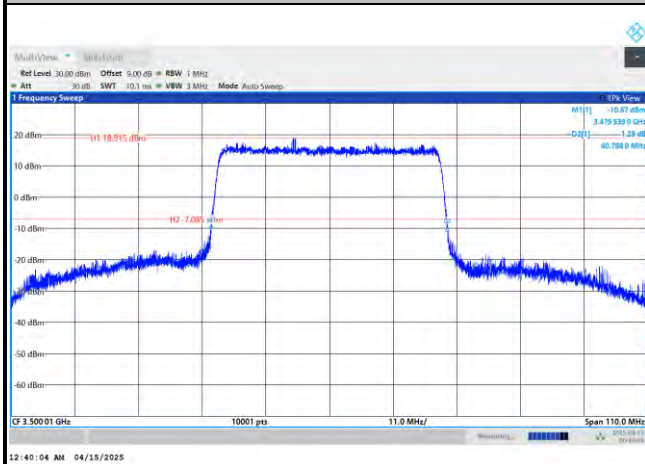




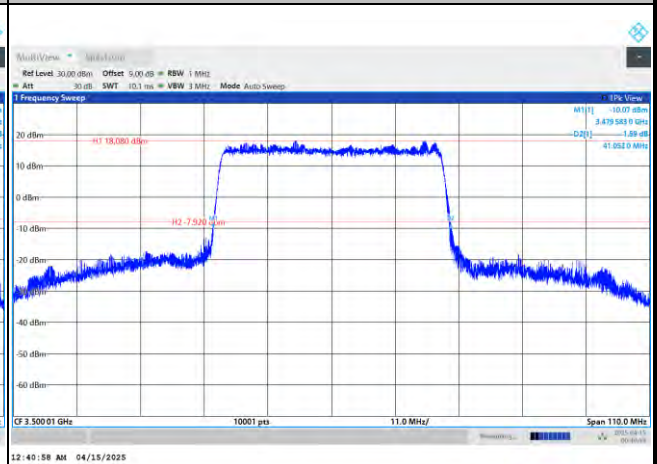


FR1 n77 / 40MHz / CP OFDM / Middle Channel / Full RB

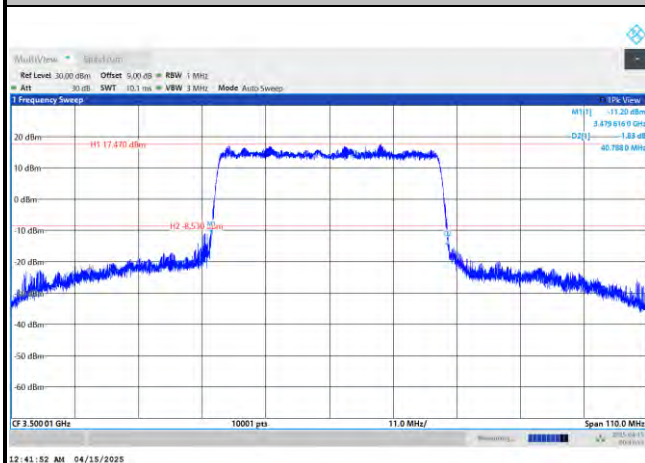
QPSK



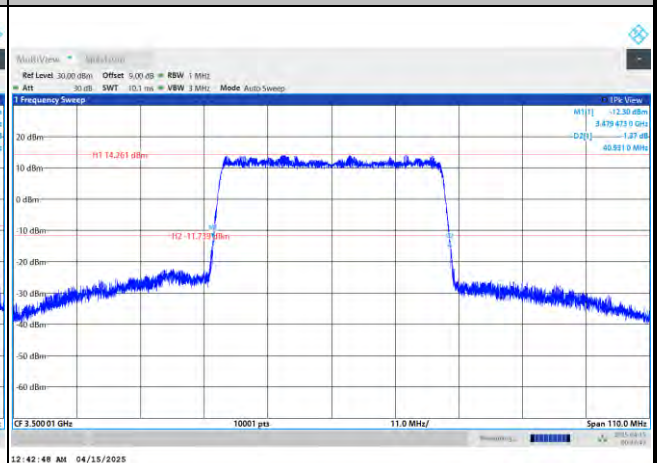
16QAM

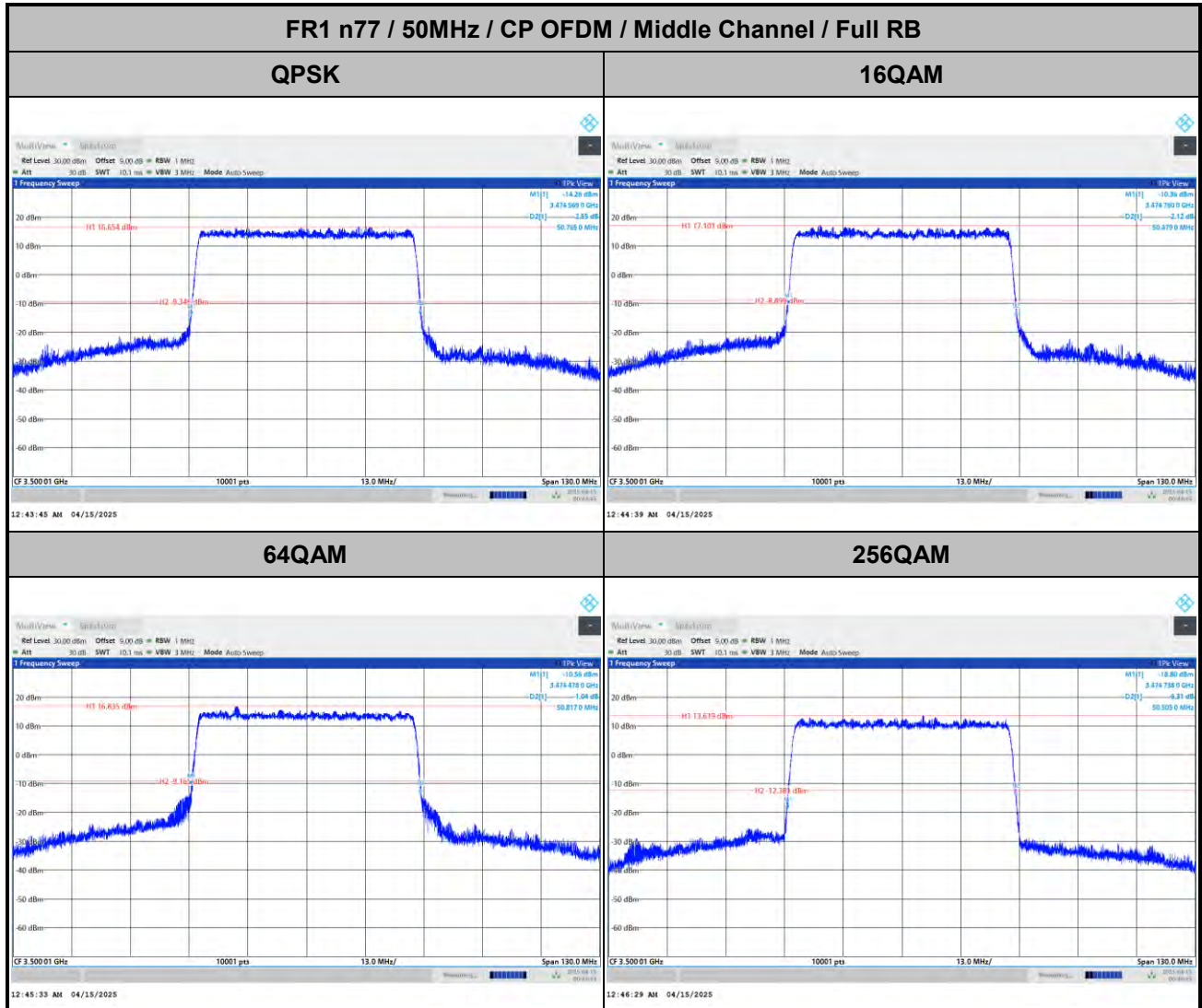


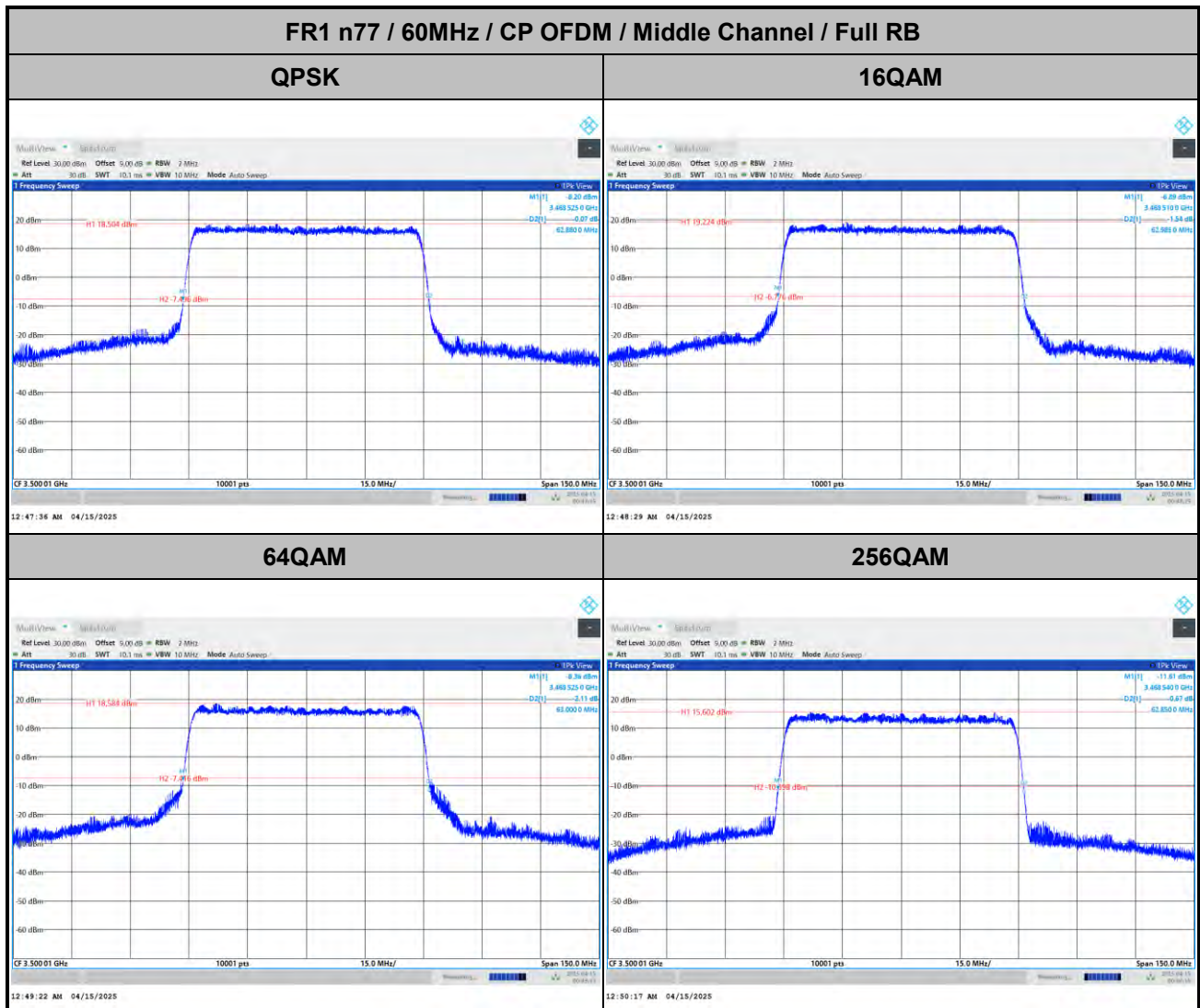
64QAM

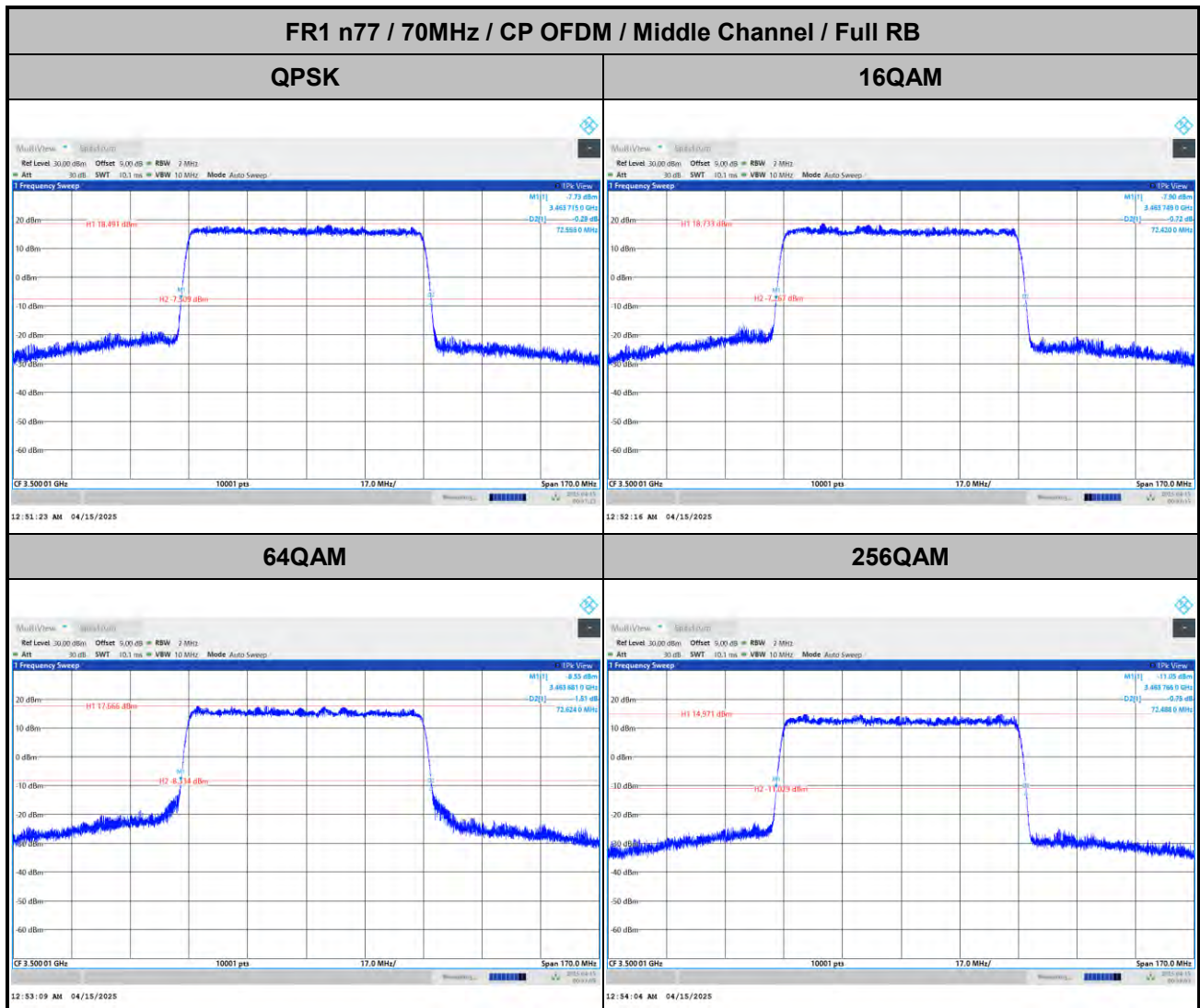


256QAM





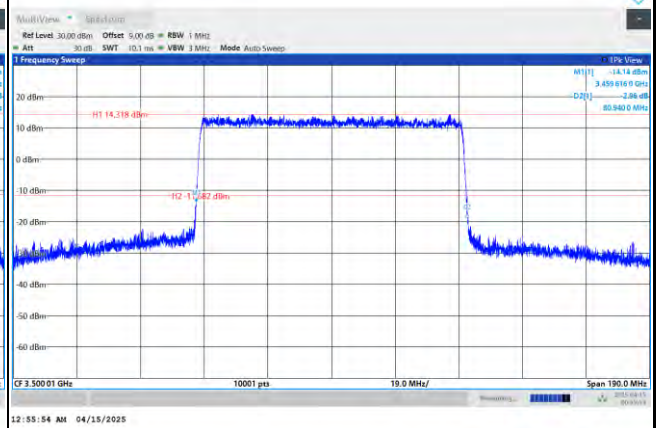




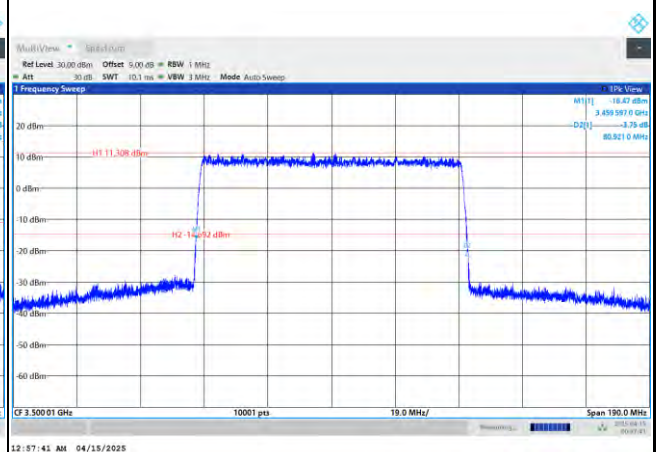


FR1 n77 / 80MHz / CP OFDM / Middle Channel / Full RB

16QAM

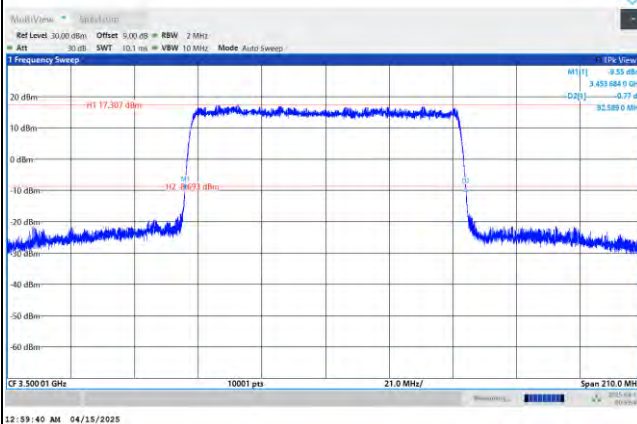


256QAM

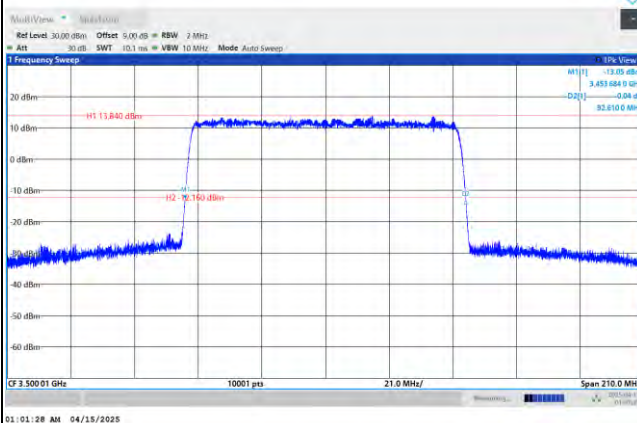


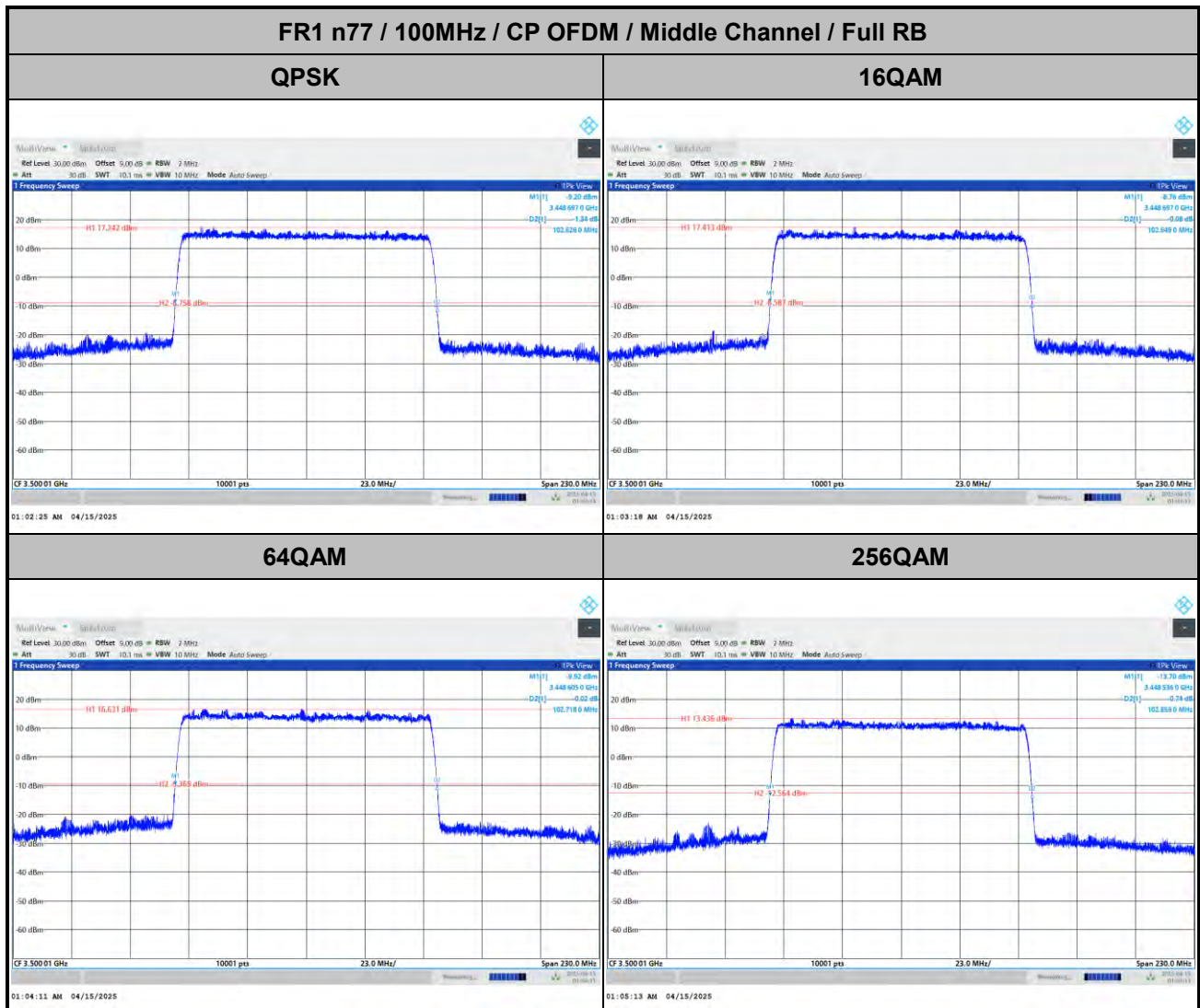
**FR1 n77 / 90MHz / CP OFDM / Middle Channel / Full RB**

16QAM



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	8.62	13.65	13.65	18.39	18.37	23.27	23.35
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	8.66	8.61	13.65	13.65	18.36	18.37	23.34	23.34
BW	30MHz		40MHz		50MHz		60MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	28.14	28.17	38.08	38.11	47.59	47.64	58.47	58.60
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	28.23	28.12	38.05	38.10	47.75	47.56	58.41	58.42
BW	70MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	67.98	67.98	78.01	77.90	87.75	87.70	97.44	97.56
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	67.86	68.06	77.87	77.84	87.77	87.59	97.59	97.80

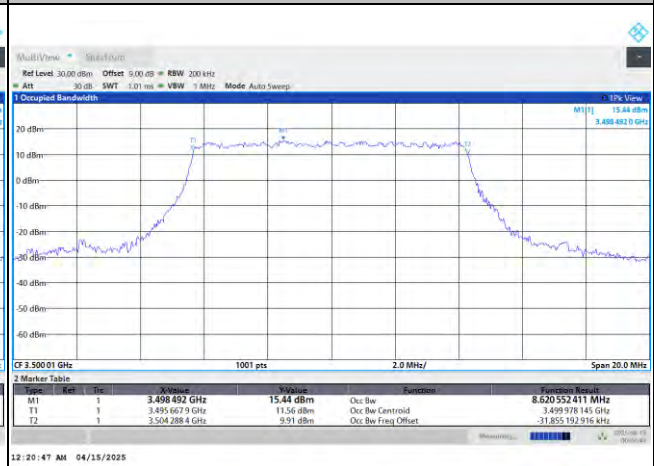


FR1 n77 / 10MHz / CP OFDM / Middle Channel / Full RB

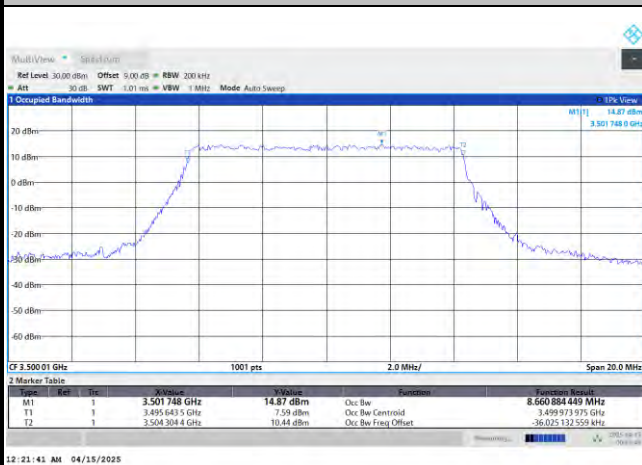
QPSK



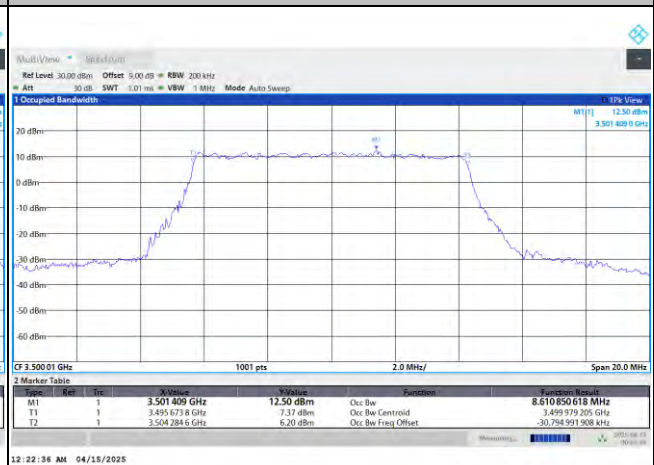
16QAM



64QAM



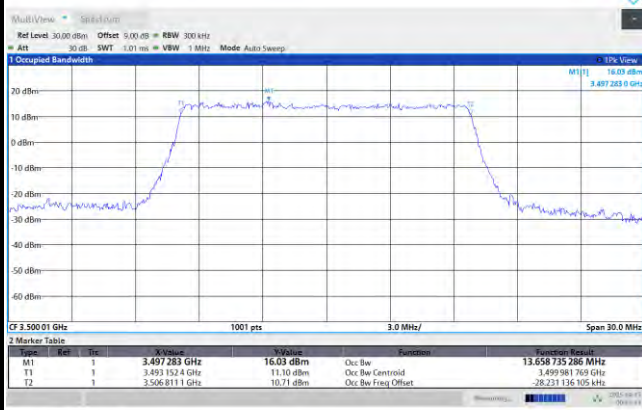
256QAM



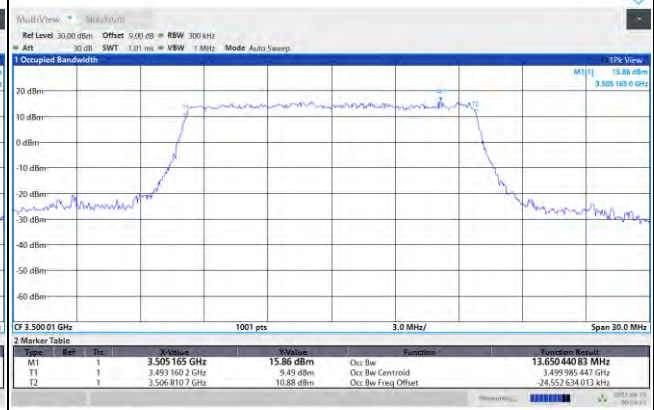


FR1 n77 / 15MHz / CP OFDM / Middle Channel / Full RB

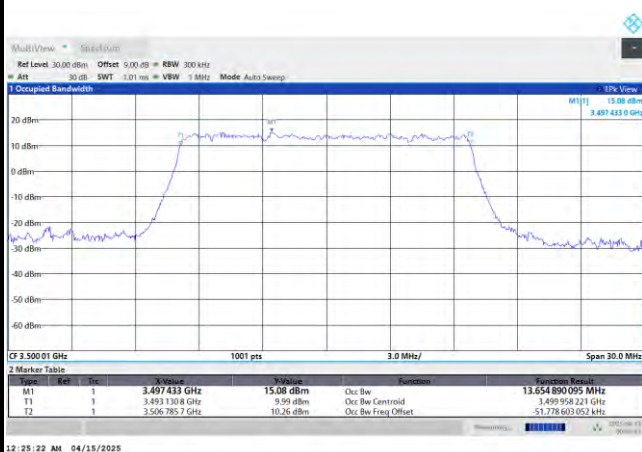
QPSK



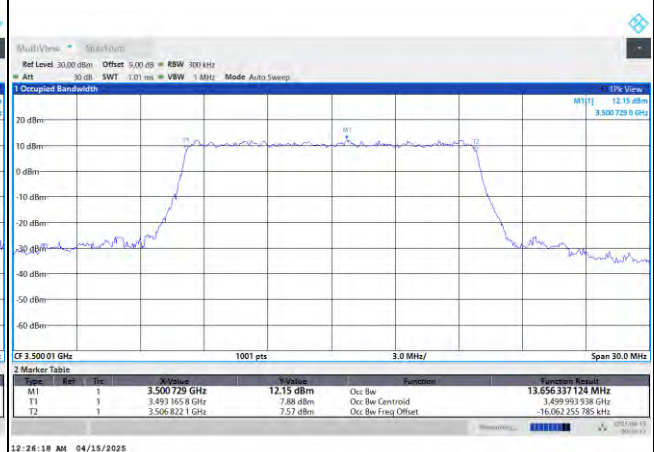
16QAM



64QAM



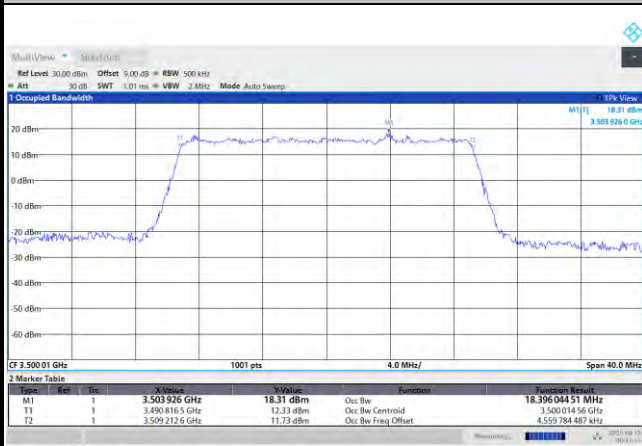
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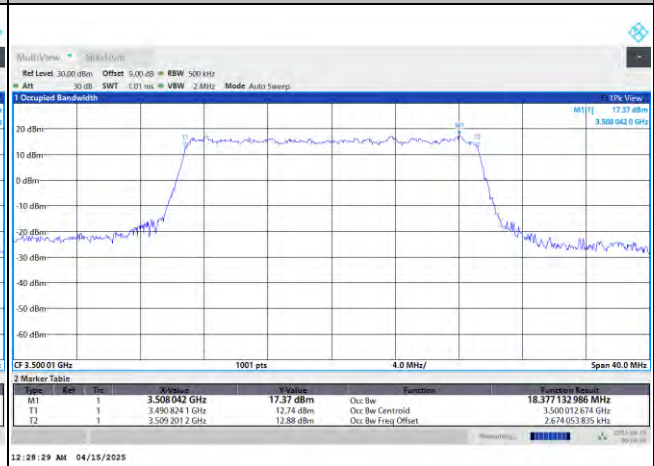


FR1 n77 / 20MHz / CP OFDM / Middle Channel / Full RB

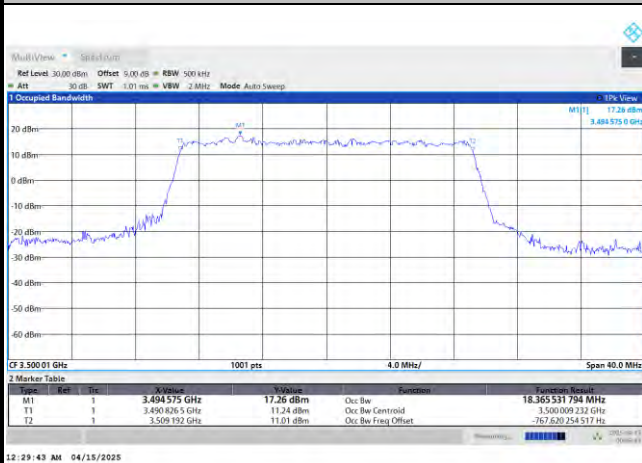
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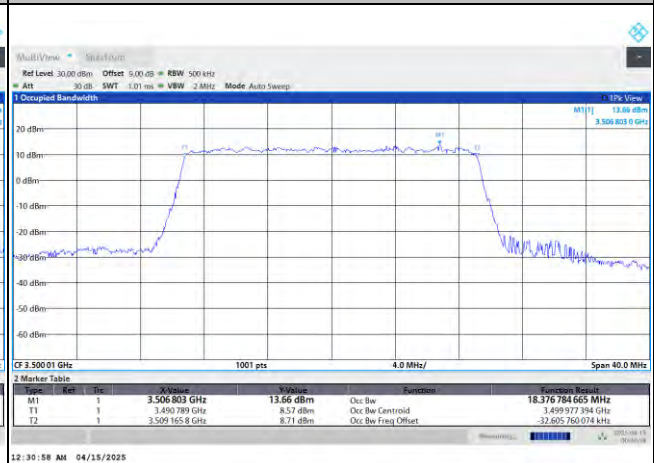
16QAM



64QAM



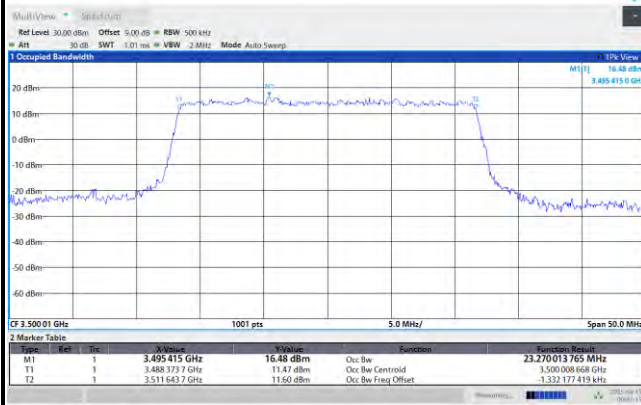
256QAM



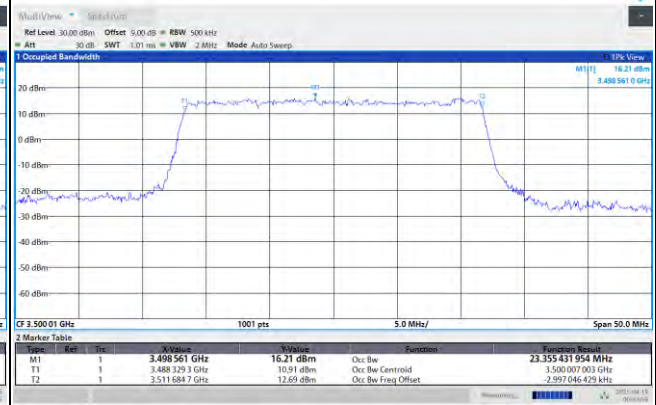


FR1 n77 / 25MHz / CP OFDM / Middle Channel / Full RB

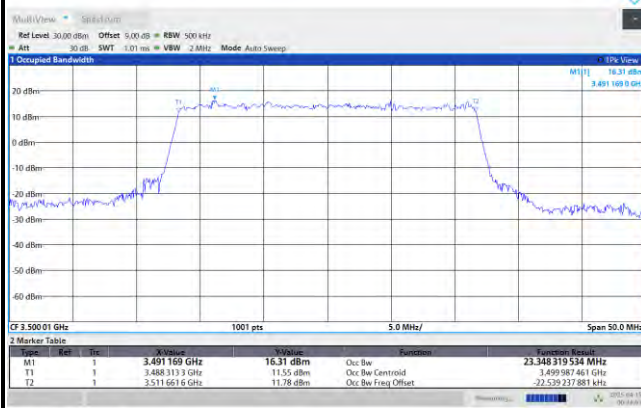
QPSK



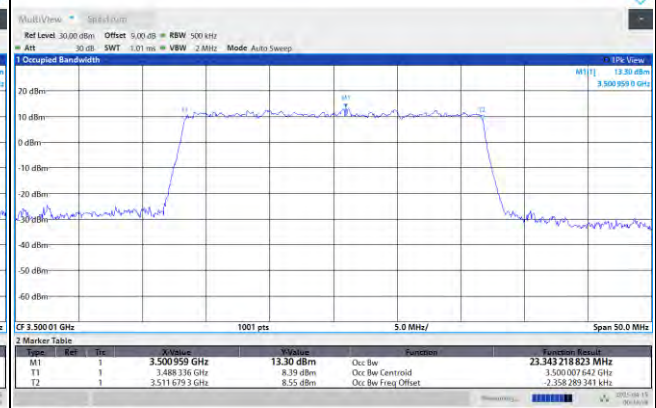
16QAM



64QAM



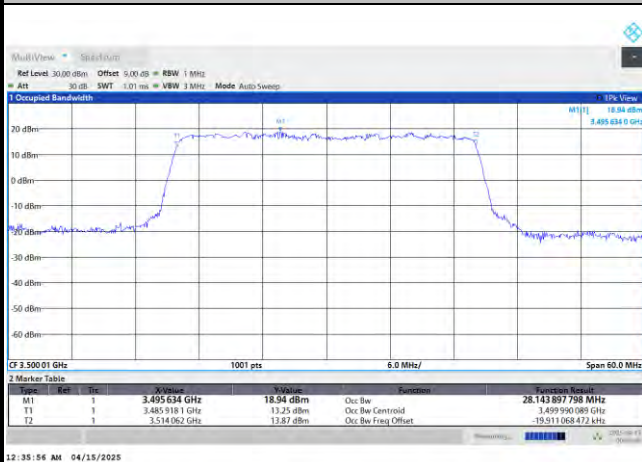
256QAM



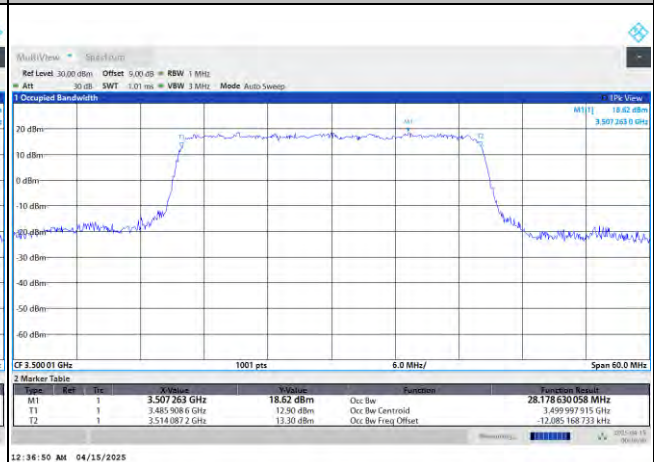


FR1 n77 / 30MHz / CP OFDM / Middle Channel / Full RB

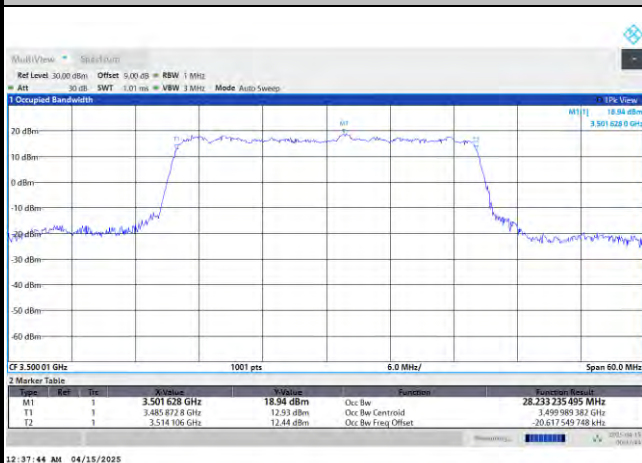
QPSK



16QAM



64QAM



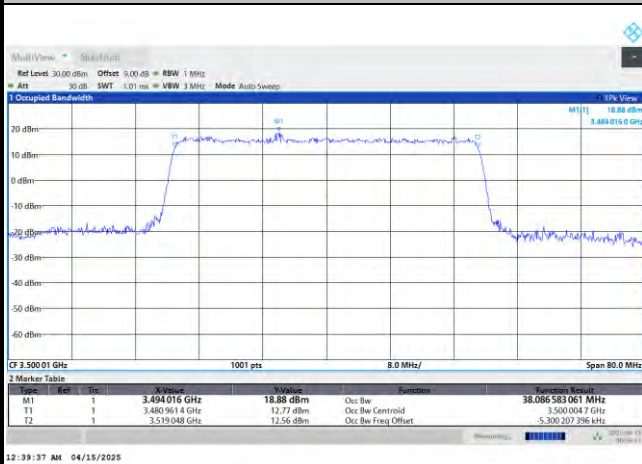
256QAM





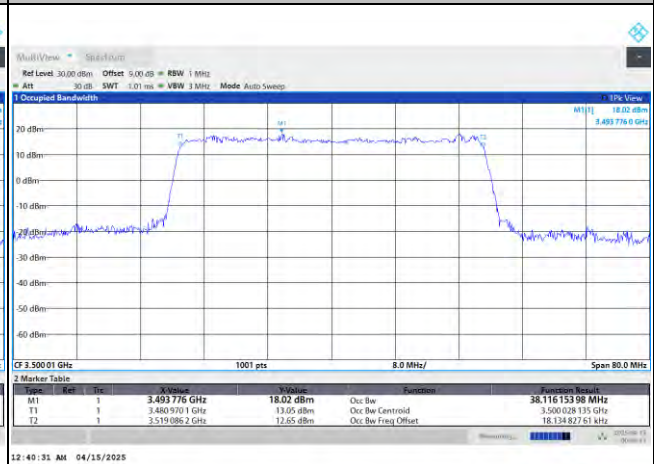
FR1 n77 / 40MHz / CP OFDM / Middle Channel / Full RB

QPSK



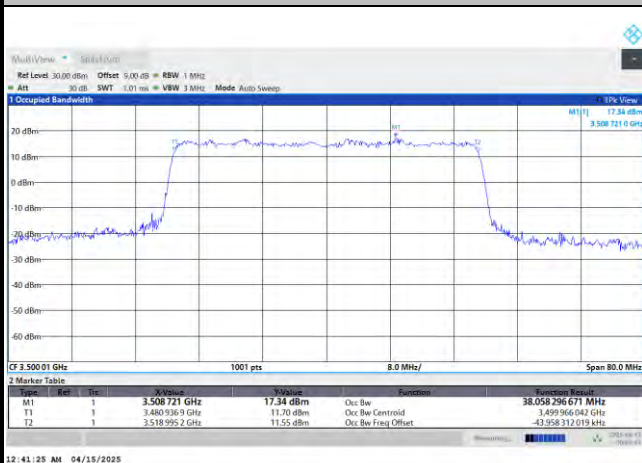
12:39:37 AM 04/15/2025

16QAM



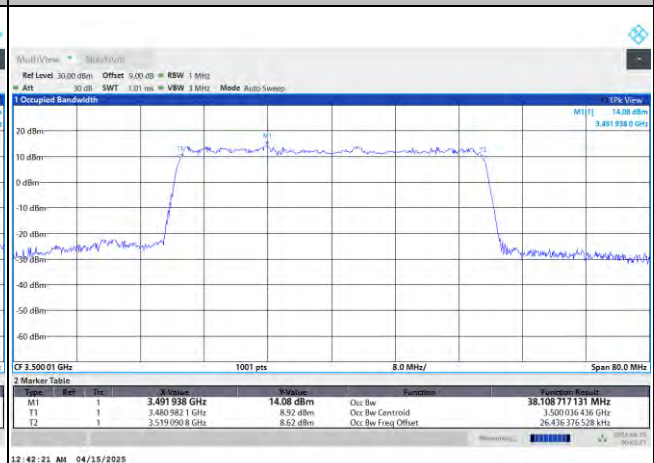
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64QAM



12:41:28 AM 04/15/2025

256QAM

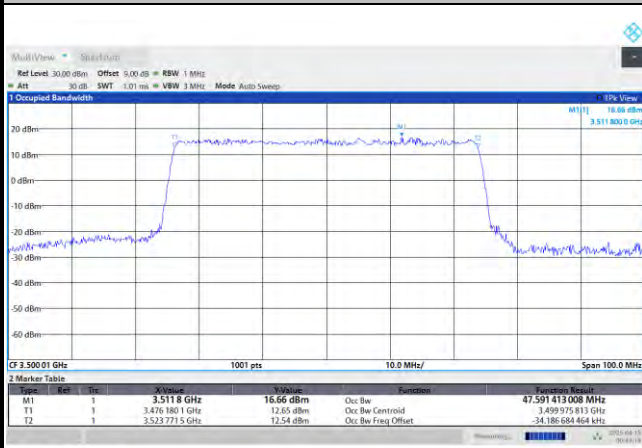


12:42:21 AM 04/15/2025

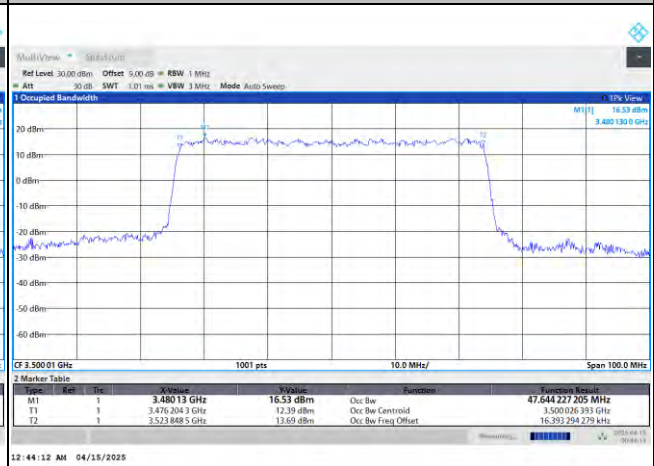


FR1 n77 / 50MHz / CP OFDM / Middle Channel / Full RB

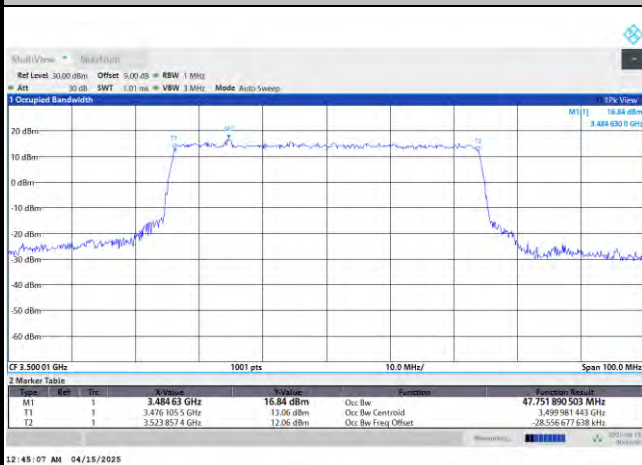
QPSK



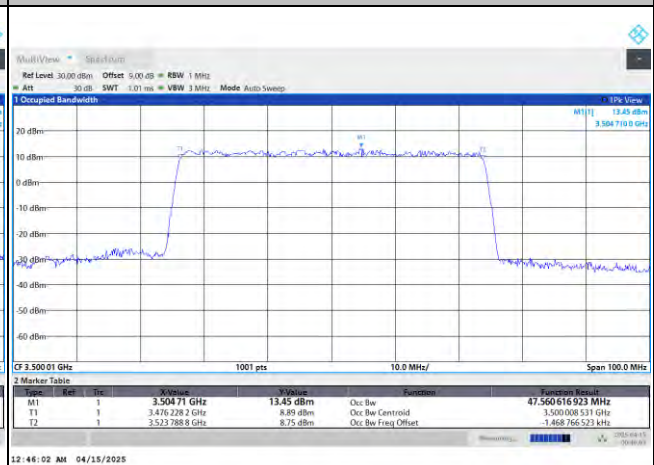
16QAM



64QAM



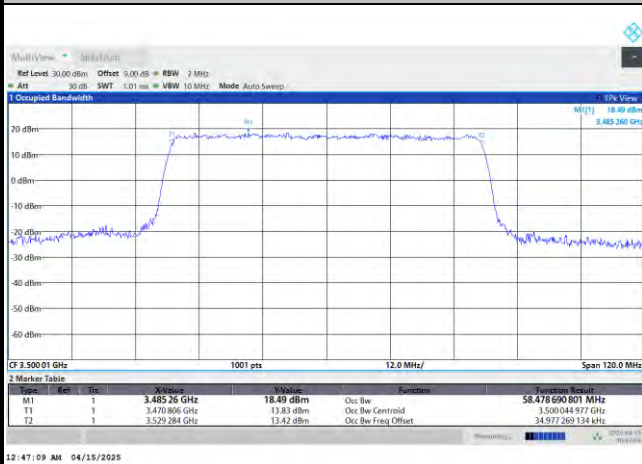
256QAM





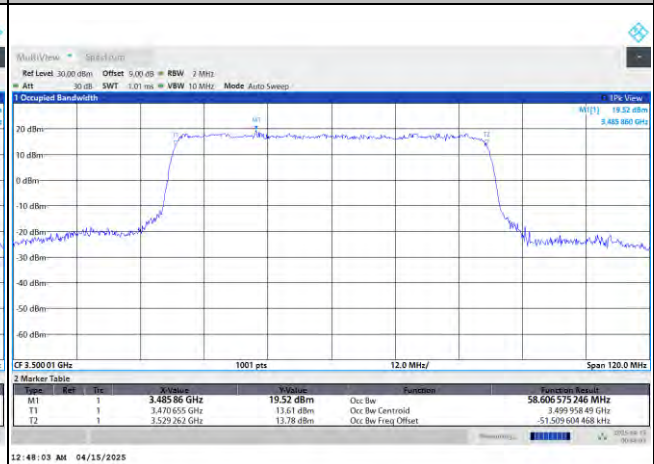
FR1 n77 / 60MHz / CP OFDM / Middle Channel / Full RB

QPSK



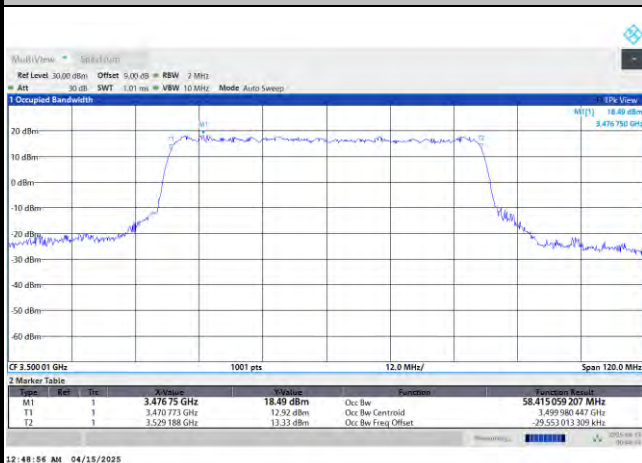
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16QAM



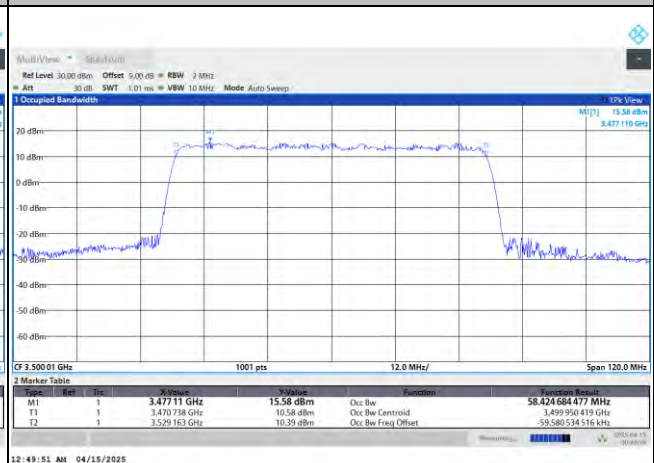
12:48:03 AM 04/15/2025

64QAM



12:48:56 AM 04/15/2025

256QAM

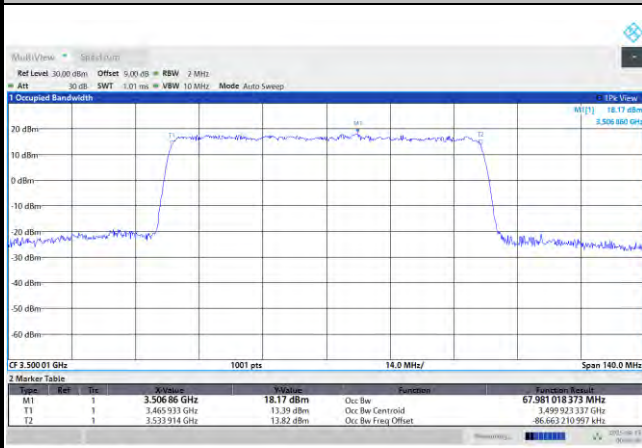


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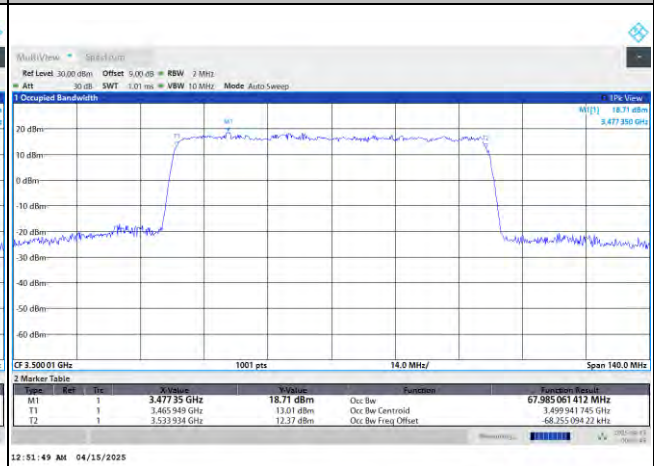


FR1 n77 / 70MHz / CP OFDM / Middle Channel / Full RB

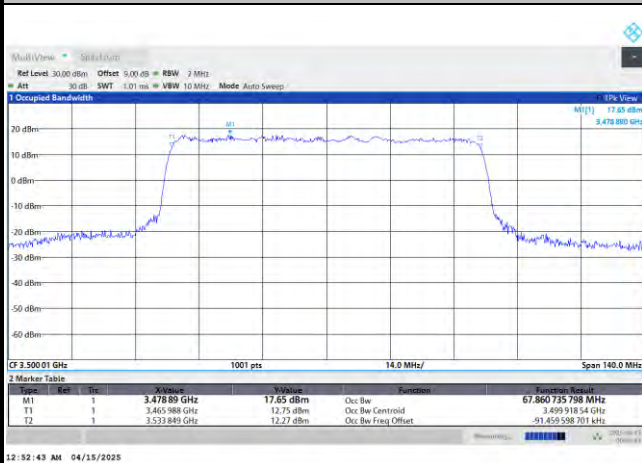
QPSK



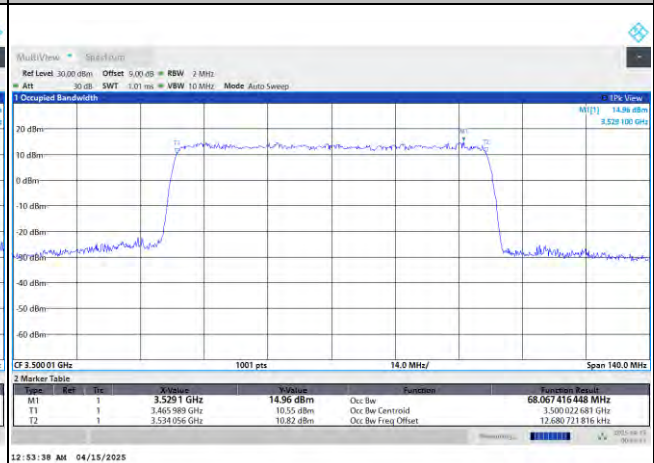
16QAM



64QAM



256QAM





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

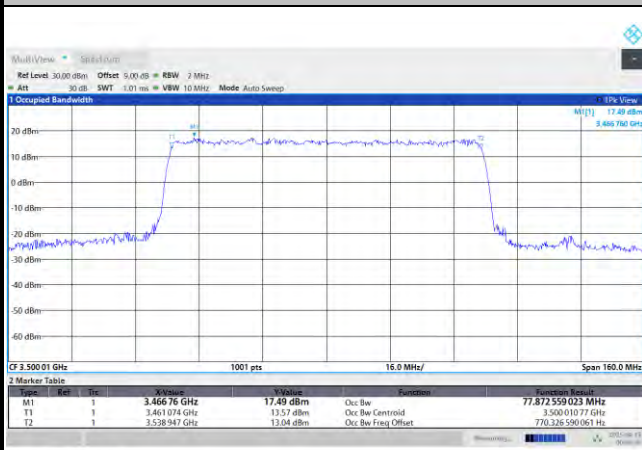
QPSK



16QAM



64QAM



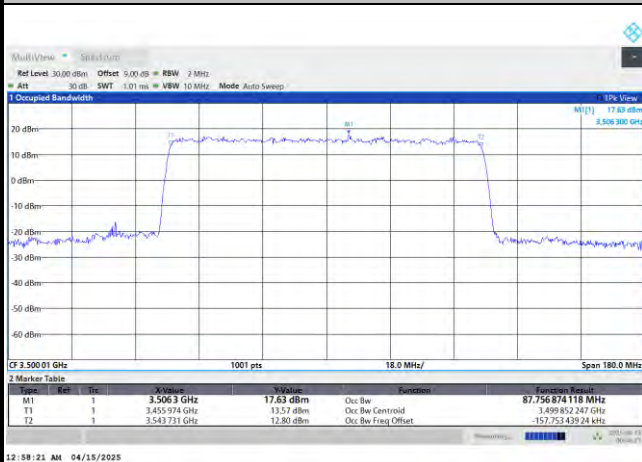
256QAM





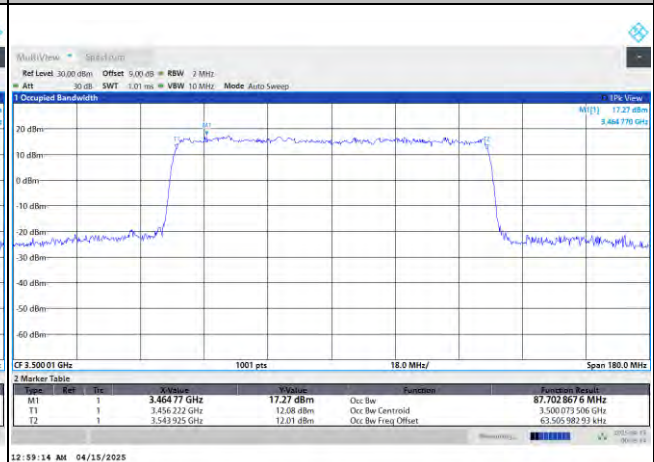
FR1 n77 / 90MHz / CP OFDM / Middle Channel / Full RB

QPSK



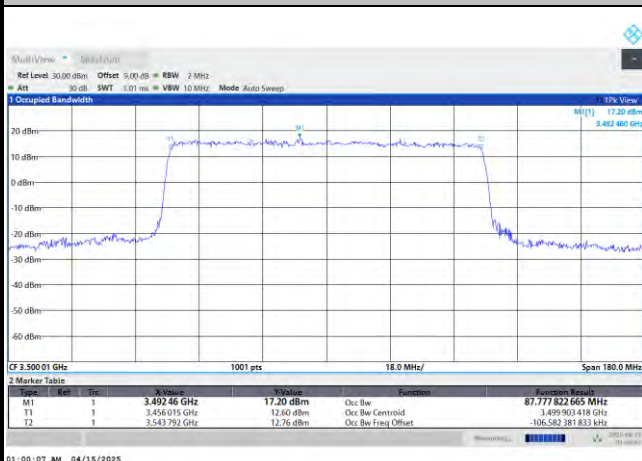
12:58:21 AM 04/15/2025

16QAM



12:59:14 AM 04/15/2025

64QAM



01:00:07 AM 04/15/2025

256QAM



01:01:02 AM 04/15/2025



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

QPSK



01:01:58 AM 04/15/2025

16QAM



01:02:52 AM 04/15/2025

64QAM

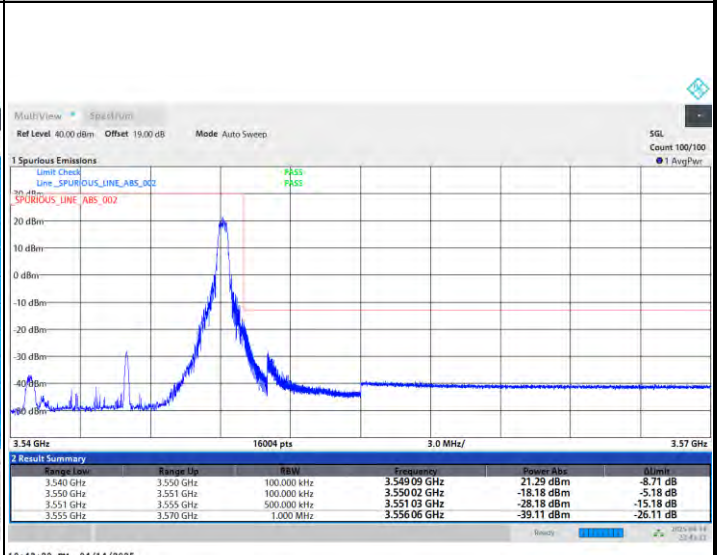
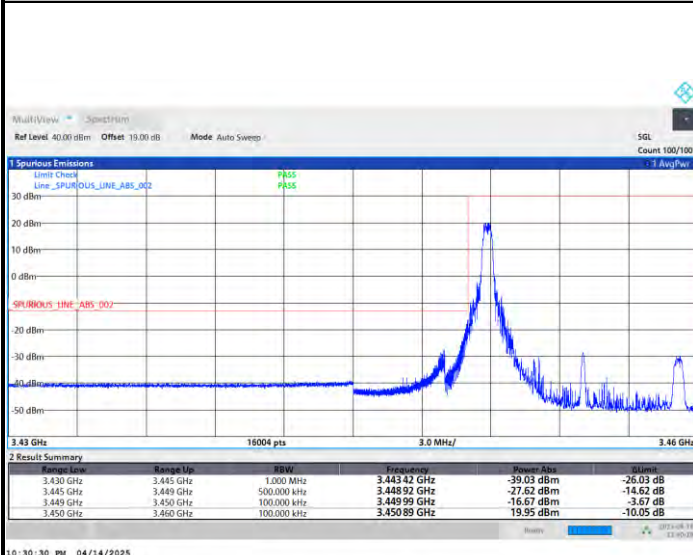
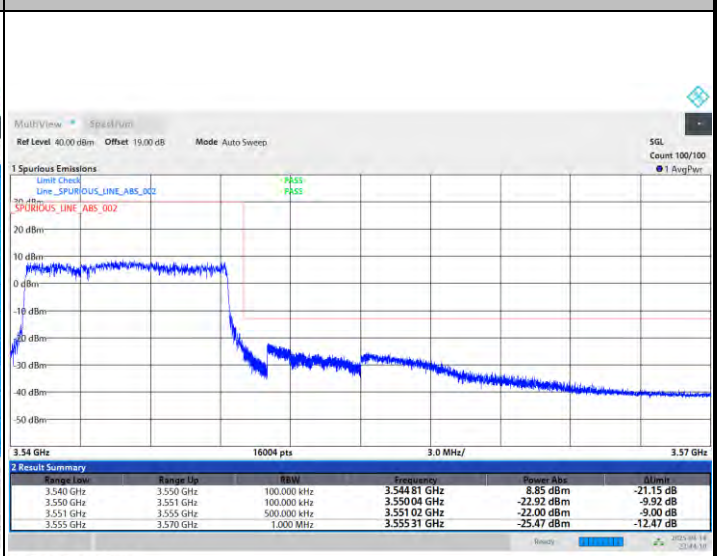
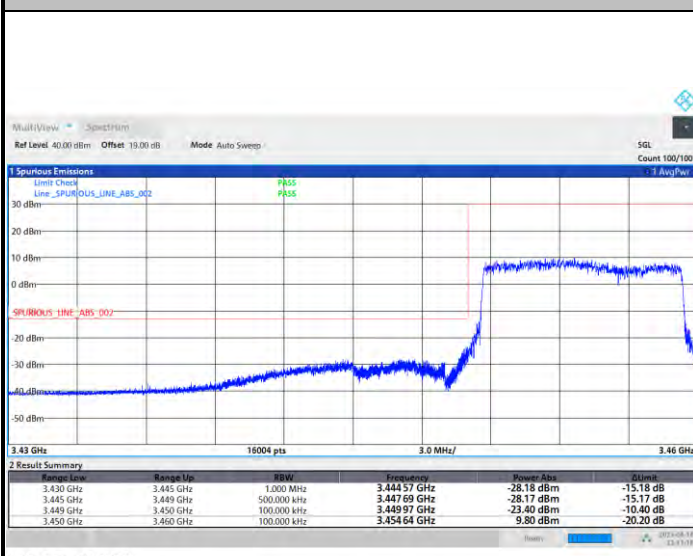


01:03:45 AM 04/15/2025

256QAM



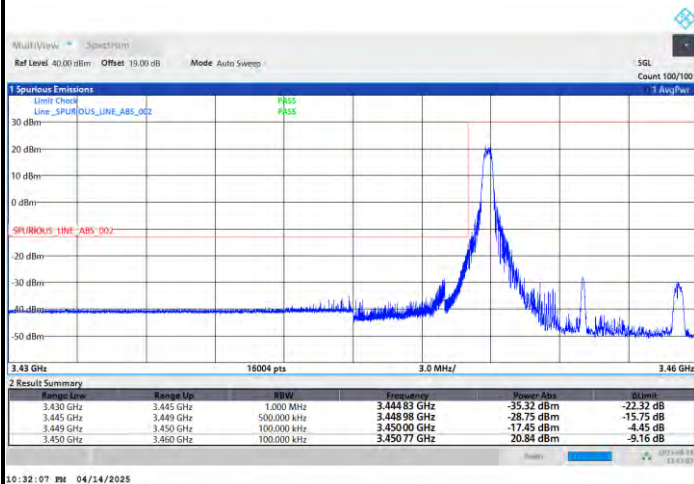
01:04:47 AM 04/15/2025

**Conducted Band Edge****FR1 n77 / 10MHz / CP OFDM / QPSK****Lowest Band Edge / 1RB0****Highest Band Edge / 1RBmax****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

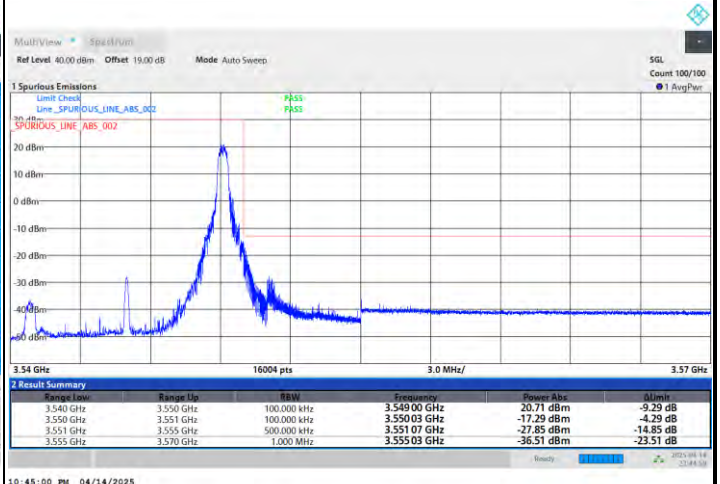


FR1 n77 / 10MHz / CP OFDM / 16QAM

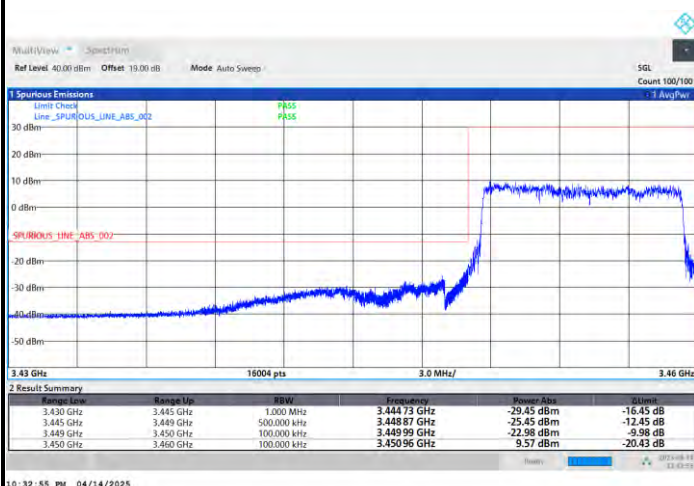
Lowest Band Edge / 1RB0



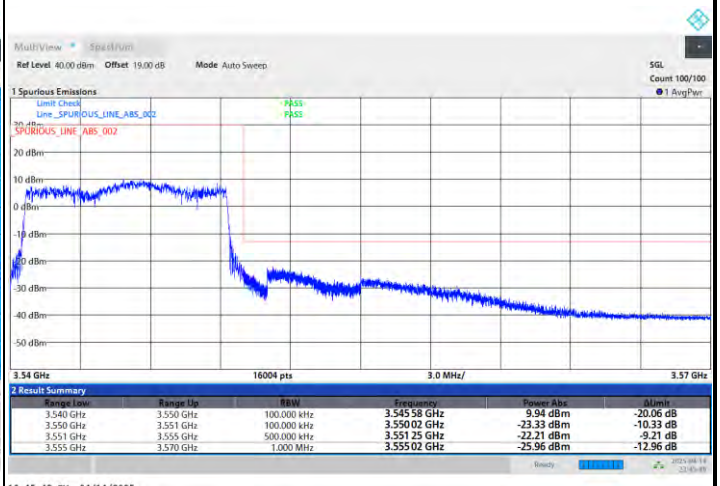
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

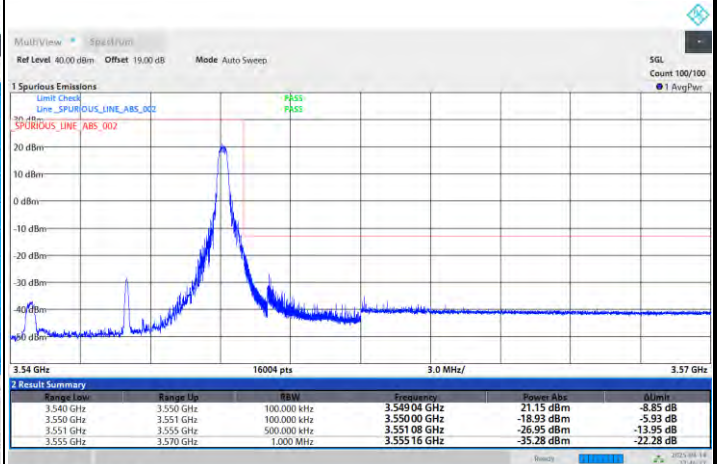
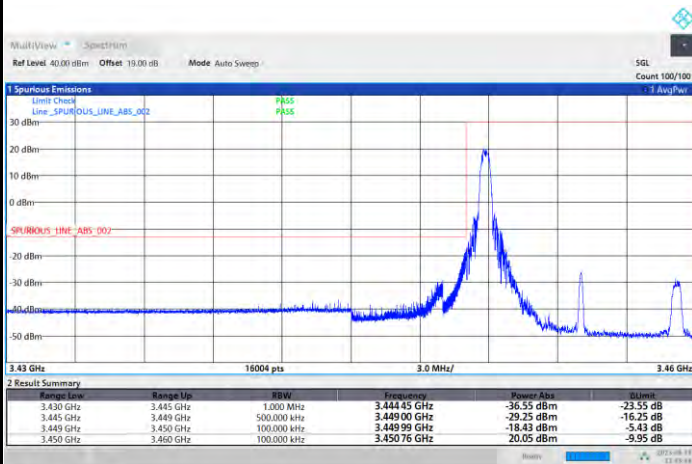




FR1 n77 / 10MHz / CP OFDM / 64QAM

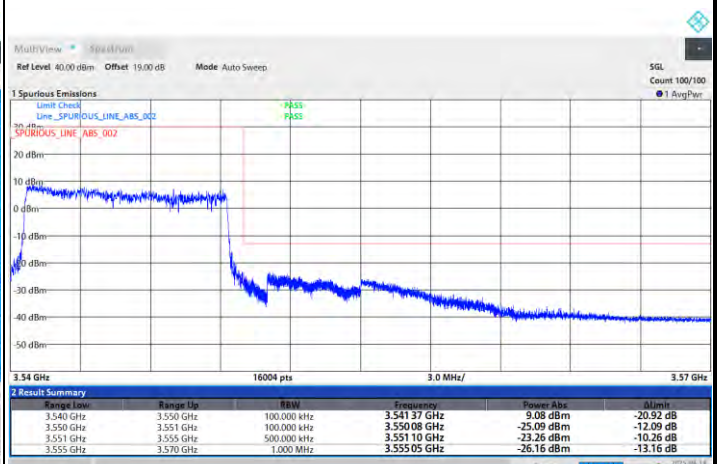
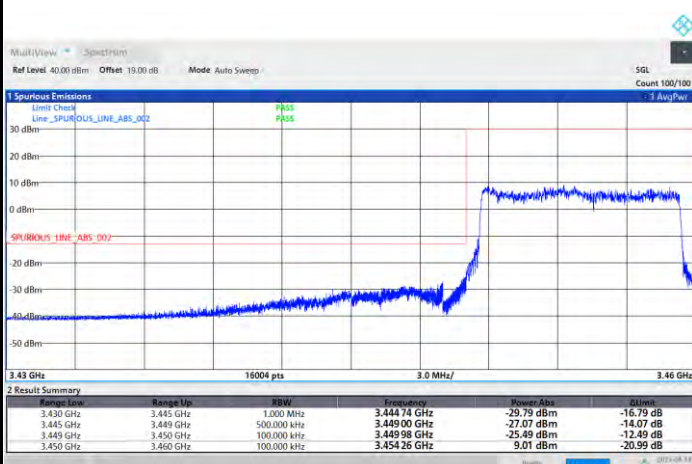
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

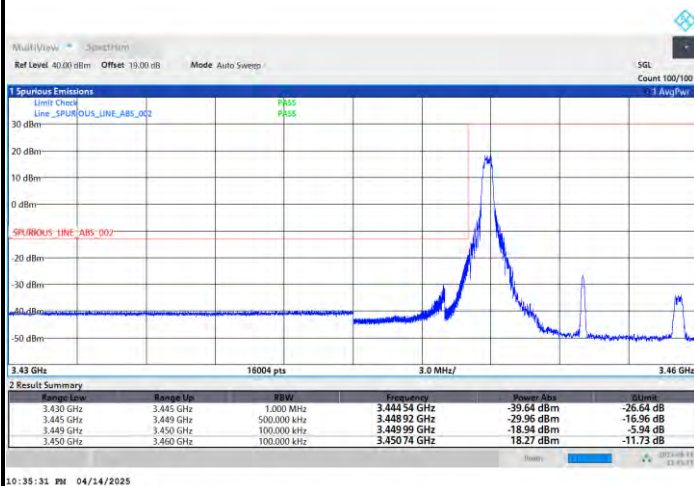
Highest Band Edge / Full RB



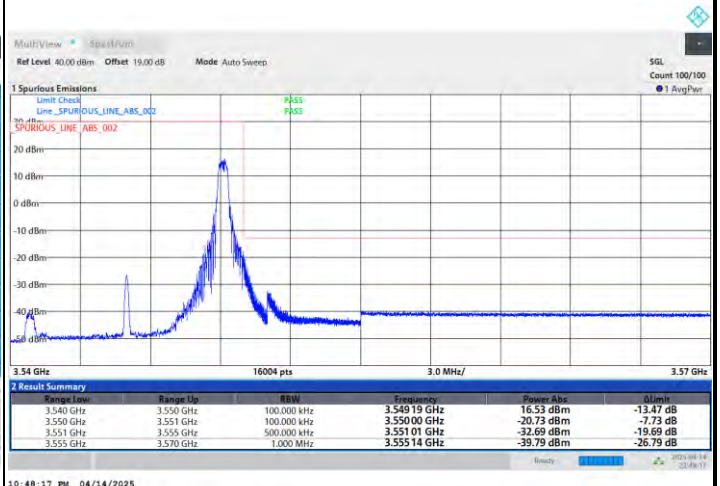


FR1 n77 / 10MHz / CP OFDM / 256QAM

Lowest Band Edge / 1RB0



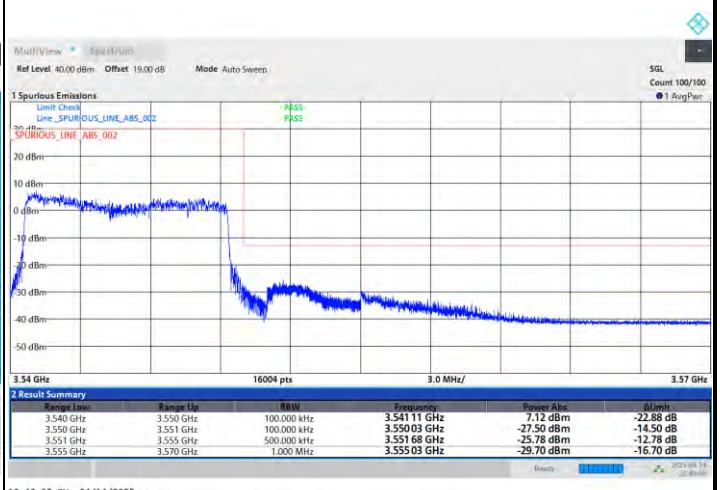
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



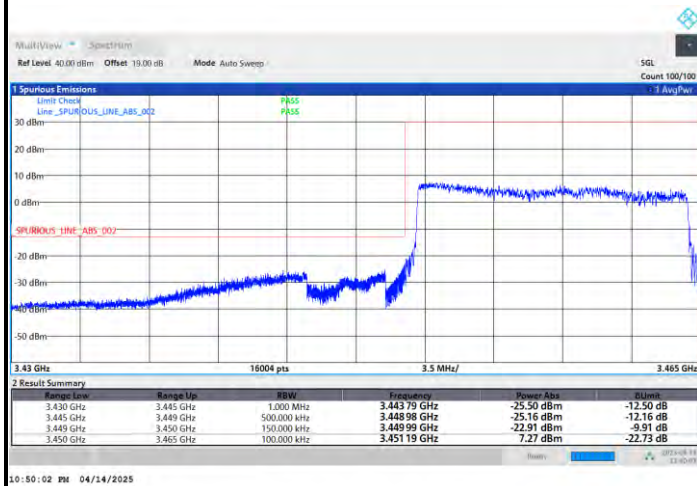
Highest Band Edge / Full RB





FR1 n77 / 15MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

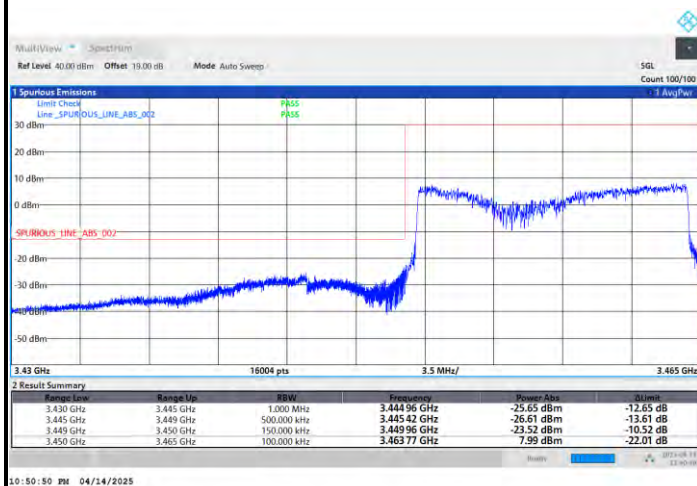


Highest Band Edge / Full RB

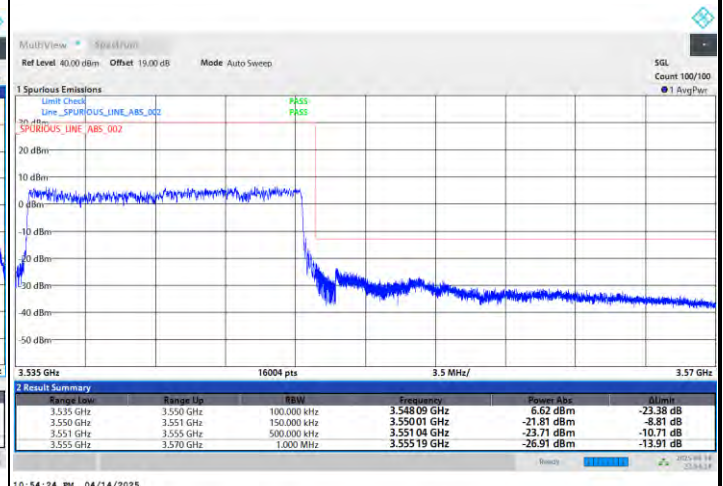


FR1 n77 / 15MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



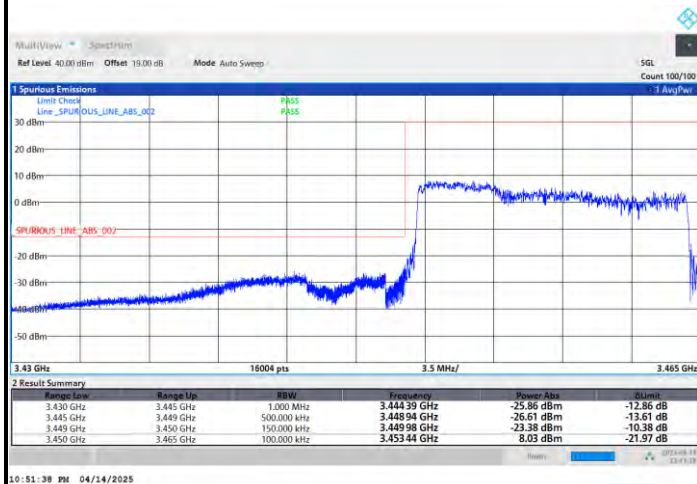
Highest Band Edge / Full RB



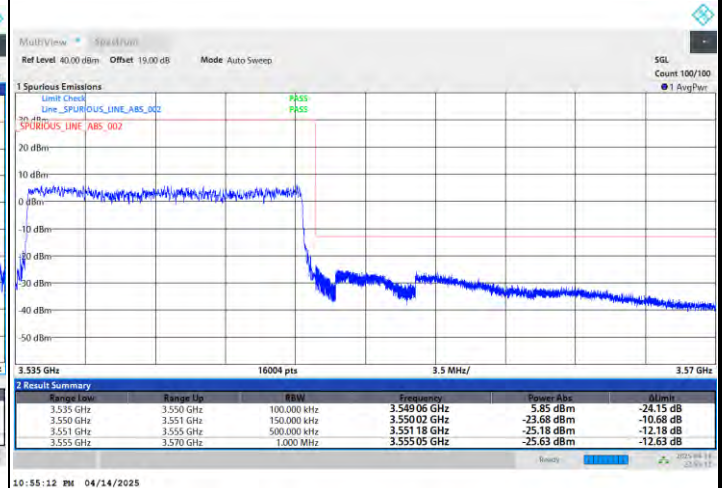


FR1 n77 / 15MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

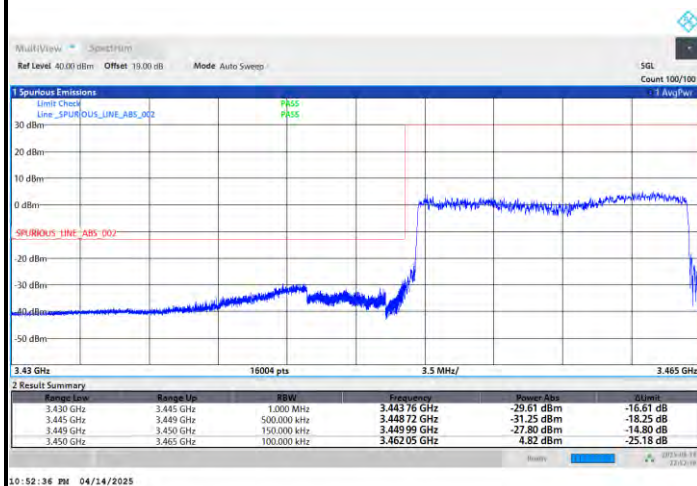


Highest Band Edge / Full RB

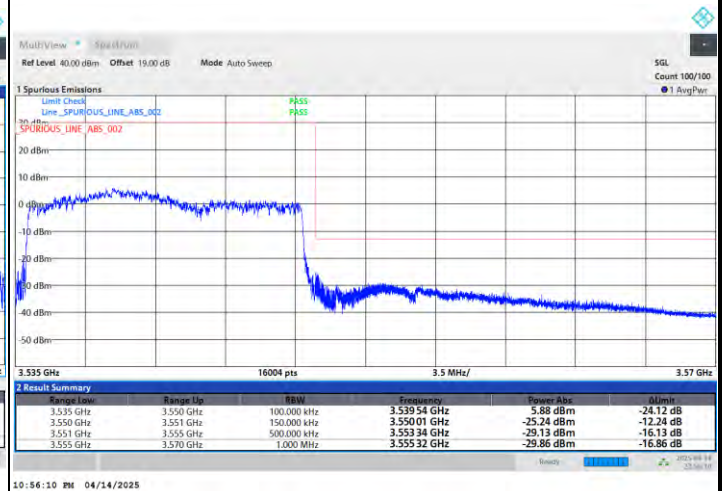


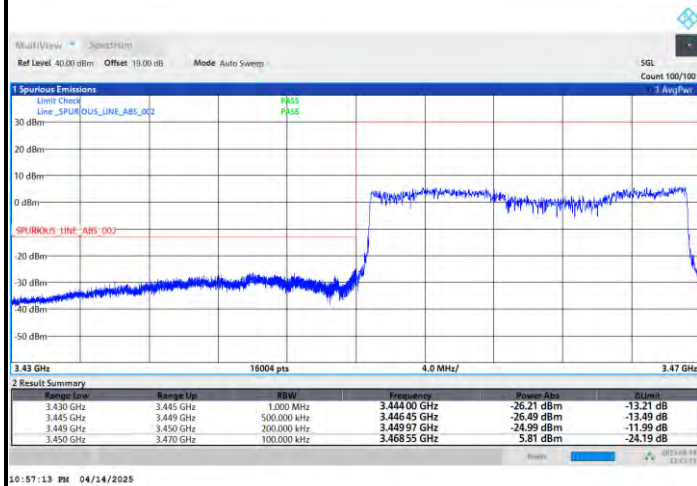
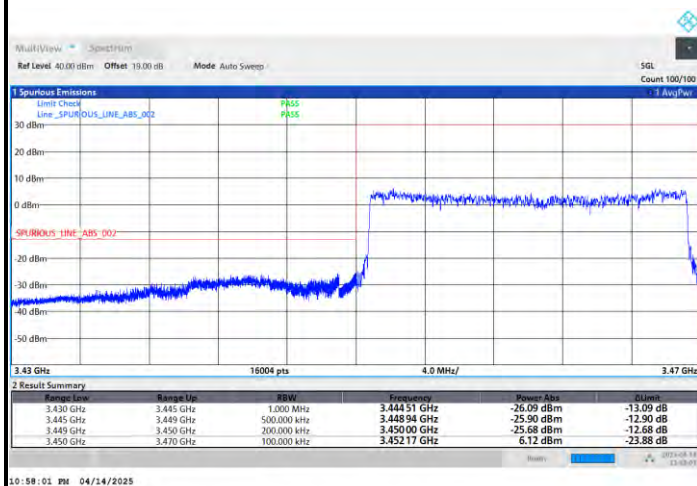
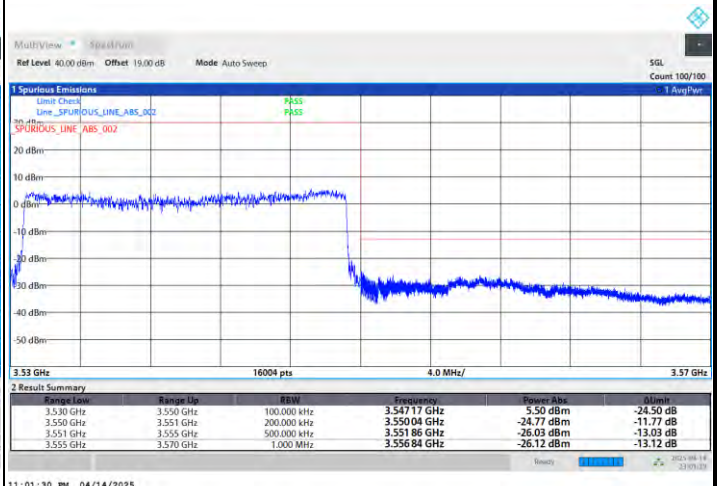
FR1 n77 / 15MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB



**FR1 n77 / 20MHz / CP OFDM / QPSK****Lowest Band Edge / Full RB****Highest Band Edge / Full RB****FR1 n77 / 20MHz / CP OFDM / 16QAM****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**



FR1 n77 / 20MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB



10:58:50 PM 04/14/2025

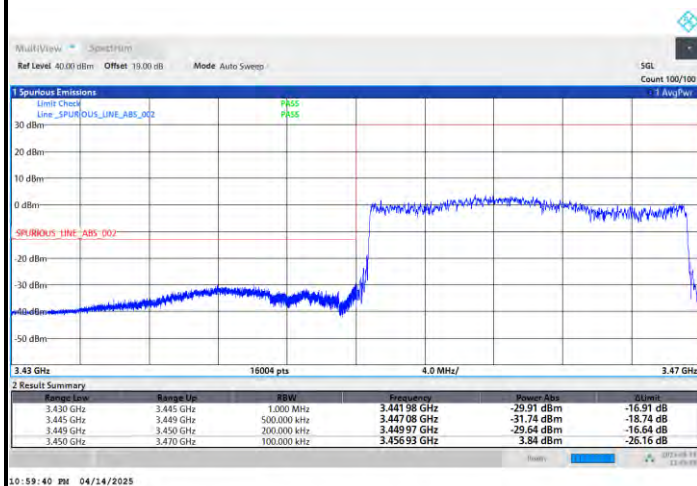
Highest Band Edge / Full RB



11:02:18 PM 04/14/2025

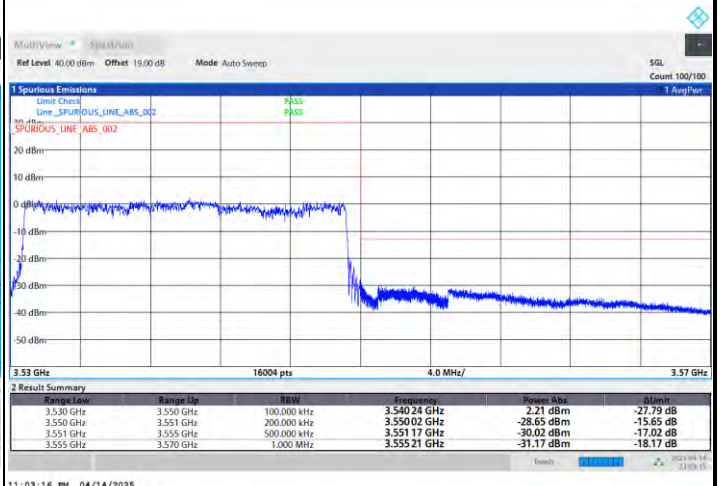
FR1 n77 / 20MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



10:59:40 PM 04/14/2025

Highest Band Edge / Full RB

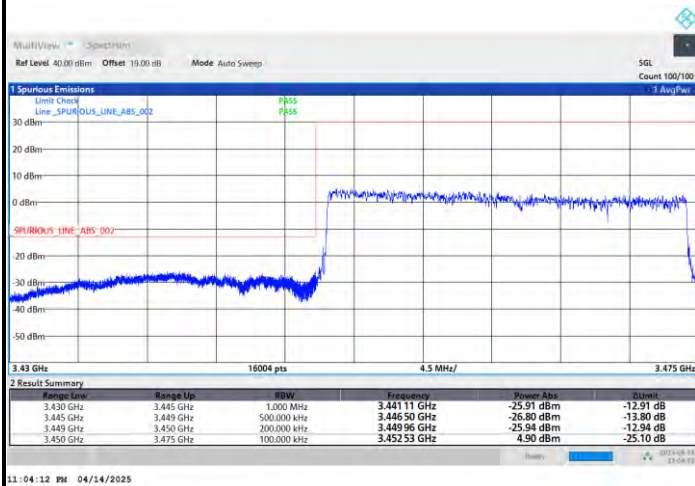


11:03:16 PM 04/14/2025



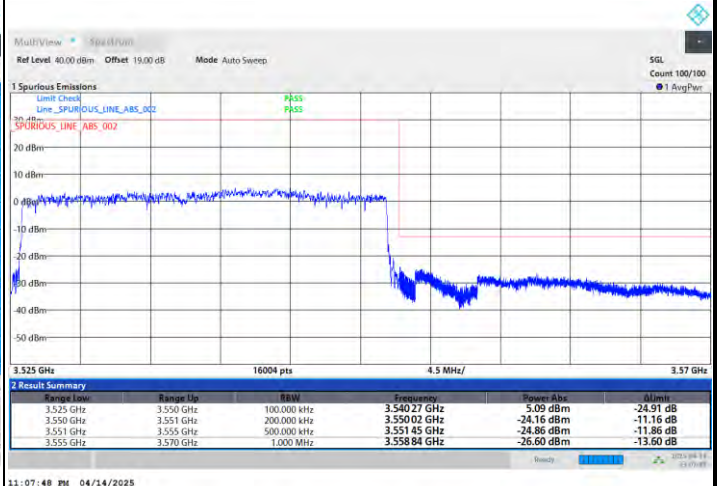
FR1 n77 / 25MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB



11:04:12 PM 04/14/2025

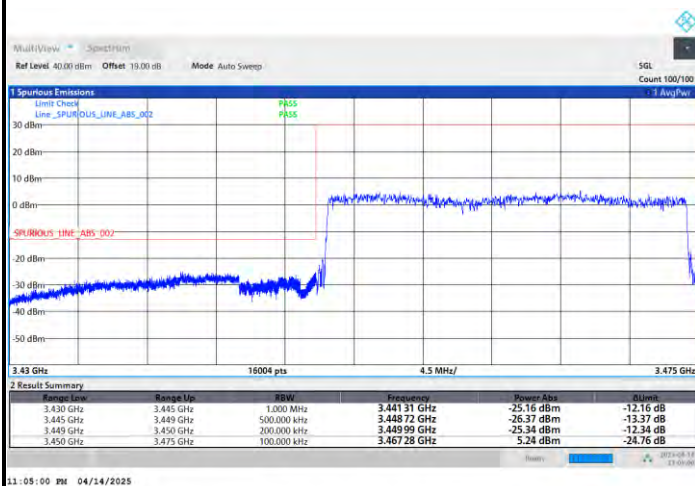
Highest Band Edge / Full RB



11:07:48 PM 04/14/2025

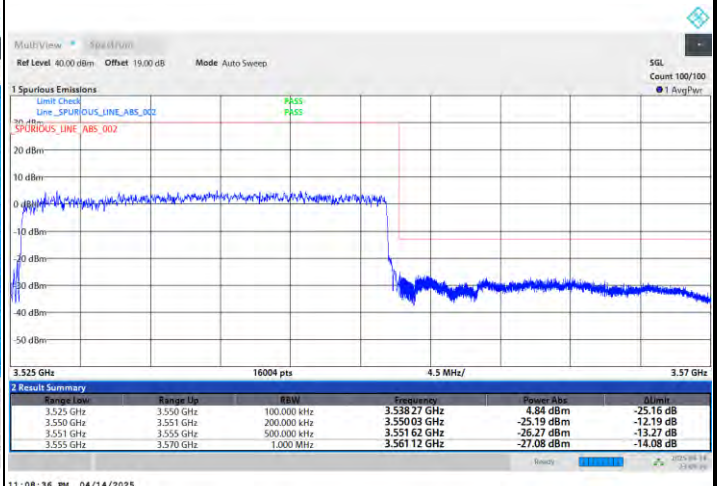
FR1 n77 / 25MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



11:05:00 PM 04/14/2025

Highest Band Edge / Full RB

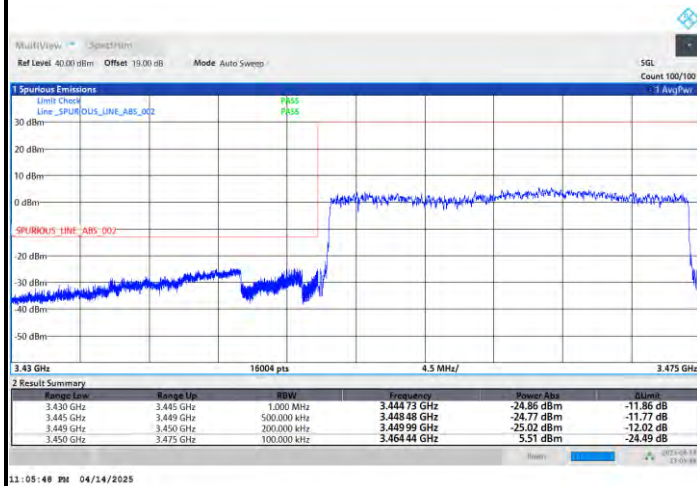


11:08:36 PM 04/14/2025



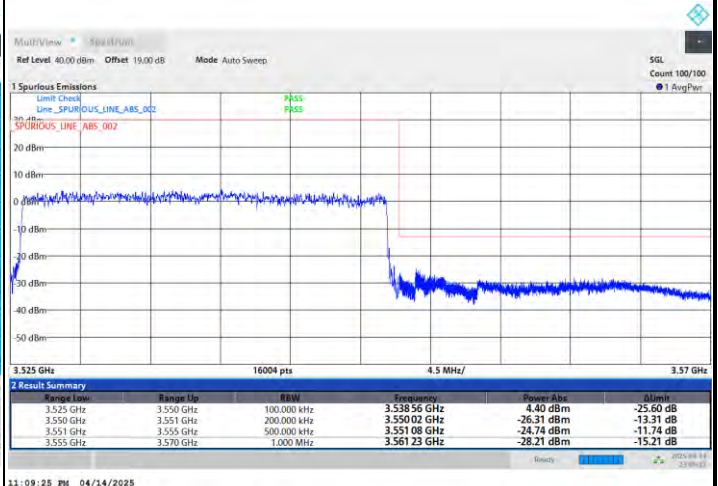
FR1 n77 / 25MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB



11:05:49 PM 04/14/2025

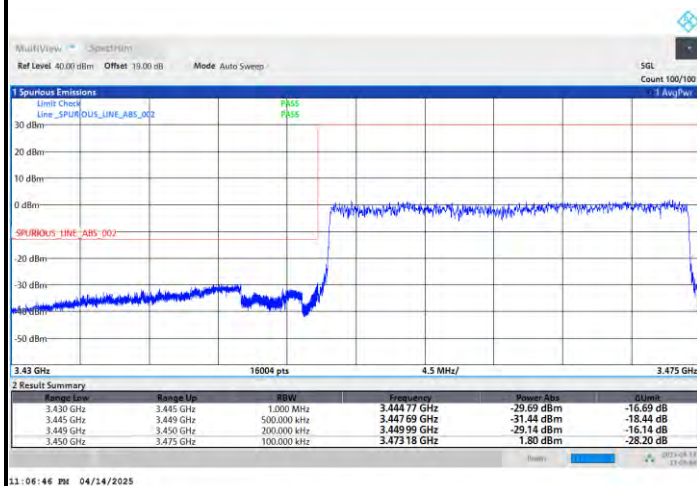
Highest Band Edge / Full RB



11:09:25 PM 04/14/2025

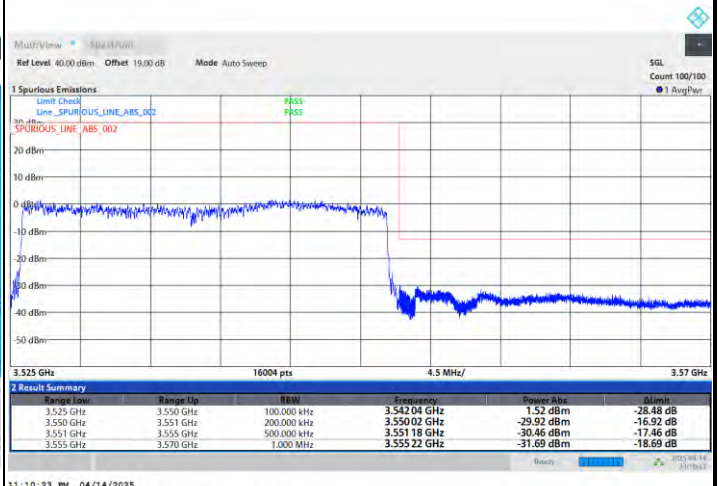
FR1 n77 / 25MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



11:06:46 PM 04/14/2025

Highest Band Edge / Full RB

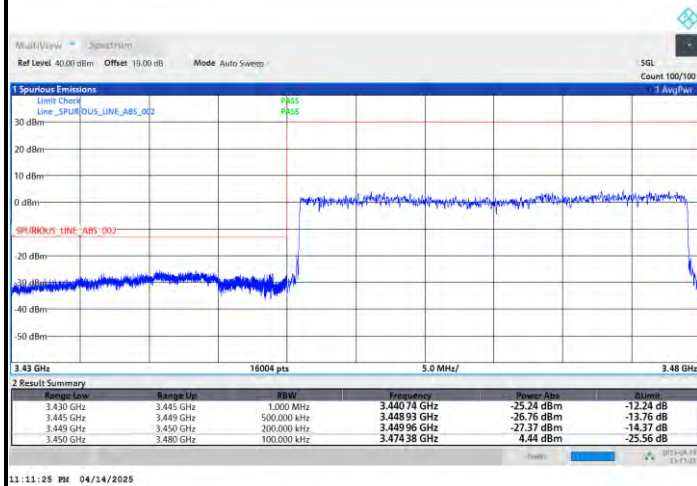


11:10:23 PM 04/14/2025



FR1 n77 / 30MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

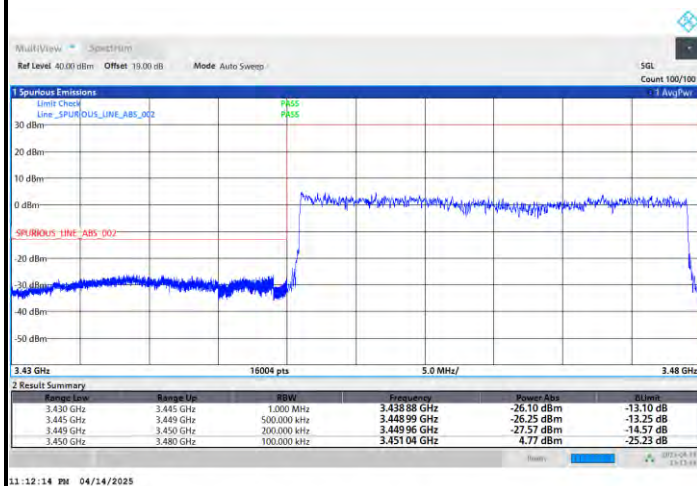


Highest Band Edge / Full RB

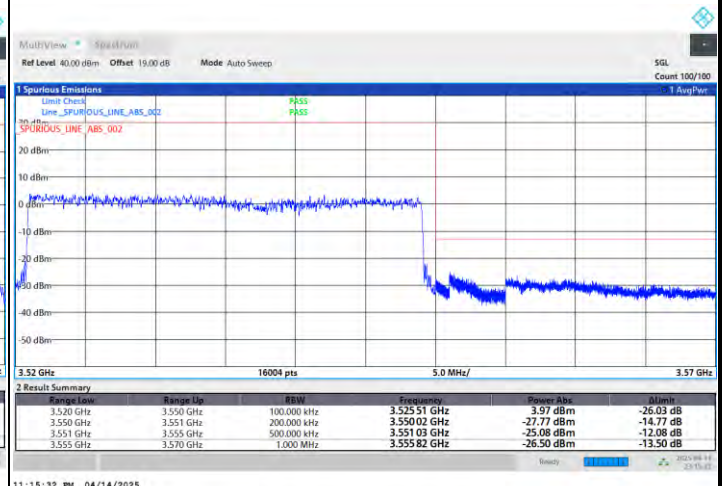


FR1 n77 / 30MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



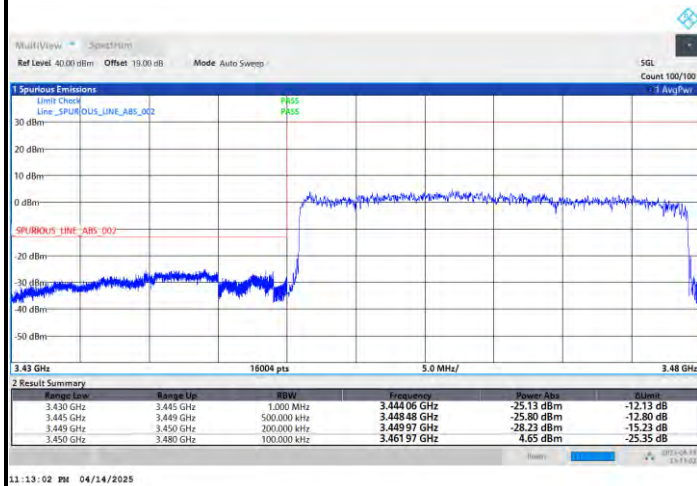
Highest Band Edge / Full RB





FR1 n77 / 30MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

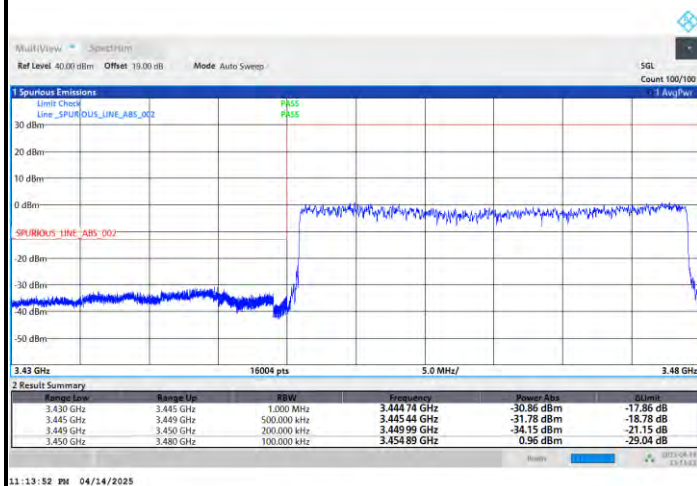


Highest Band Edge / Full RB



FR1 n77 / 30MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB





FR1 n77 / 40MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

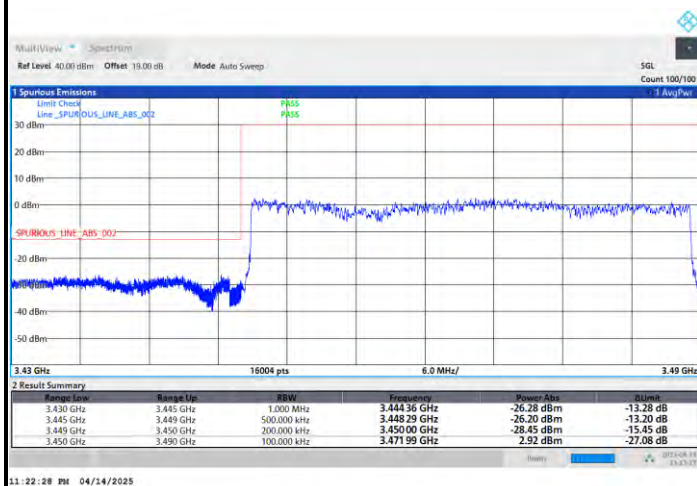


Highest Band Edge / Full RB

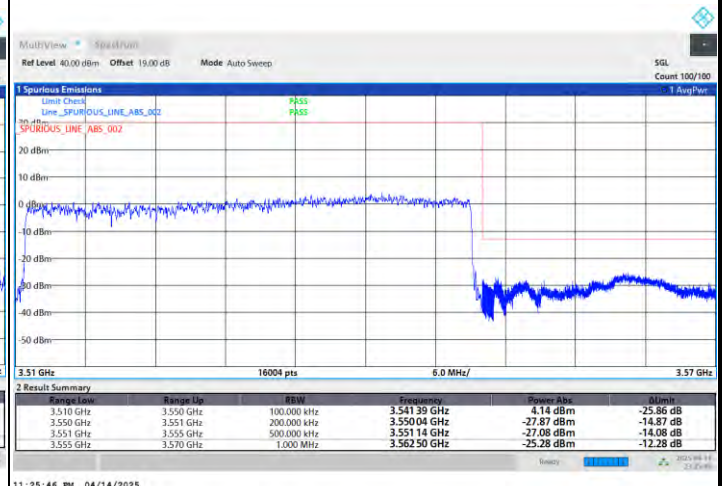


FR1 n77 / 40MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



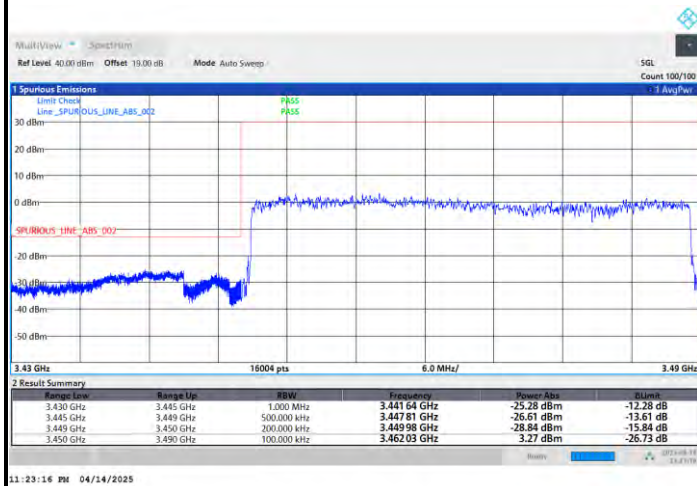
Highest Band Edge / Full RB



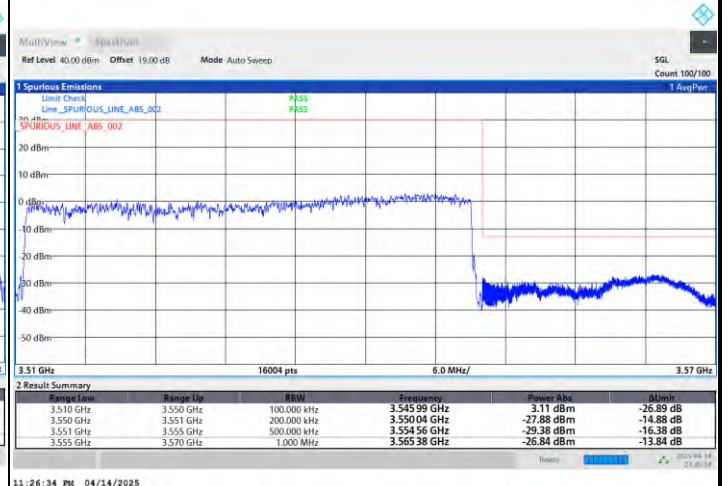


FR1 n77 / 40MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

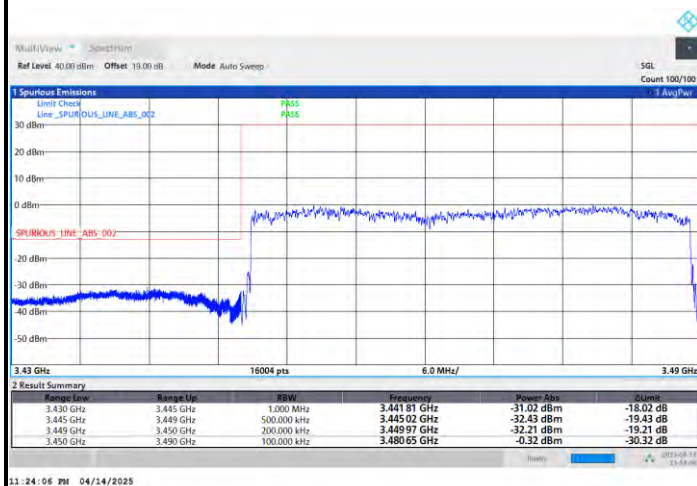


Highest Band Edge / Full RB



FR1 n77 / 40MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



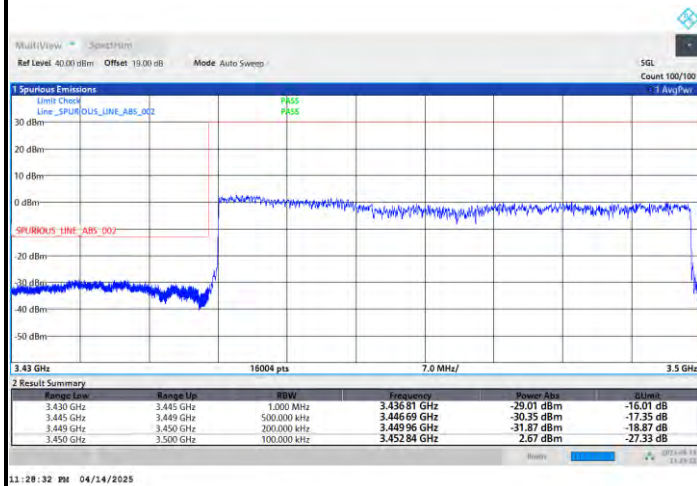
Highest Band Edge / Full RB





FR1 n77 / 50MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB



11:28:32 PM 04/14/2025

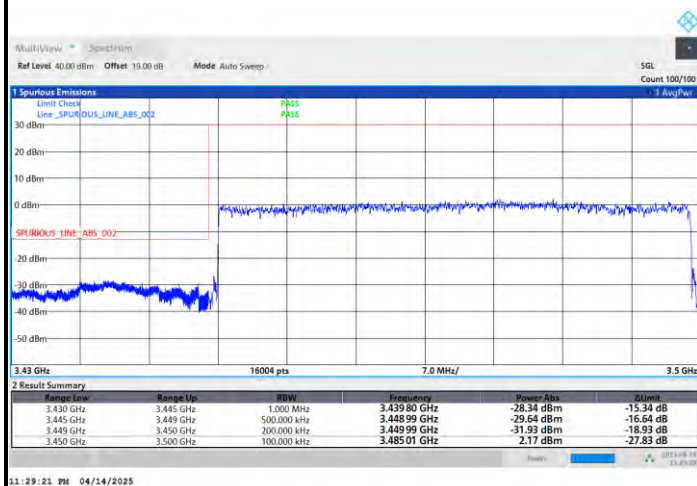
Highest Band Edge / Full RB



11:31:58 PM 04/14/2025

FR1 n77 / 50MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



11:29:21 PM 04/14/2025

Highest Band Edge / Full RB

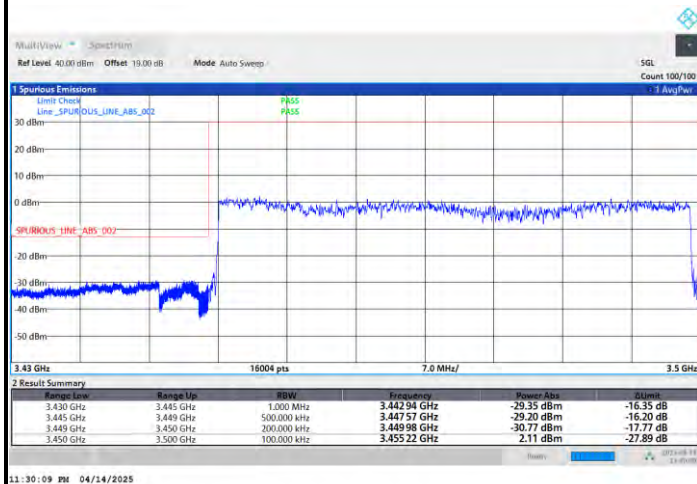


11:32:46 PM 04/14/2025



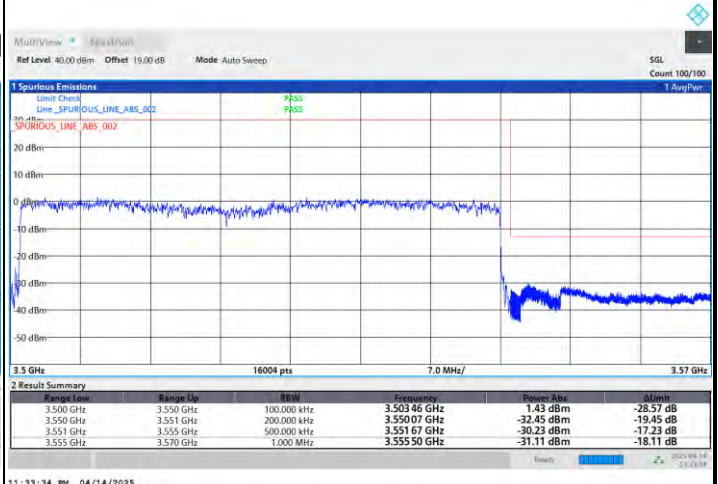
FR1 n77 / 50MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB



11:30:09 PM 04/14/2025

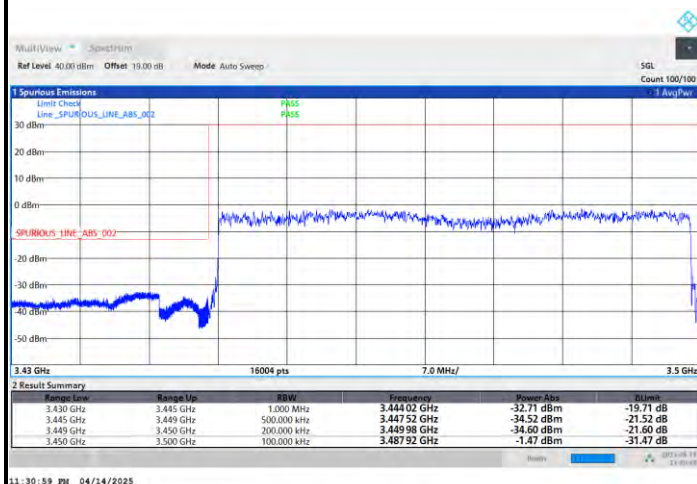
Highest Band Edge / Full RB



11:33:34 PM 04/14/2025

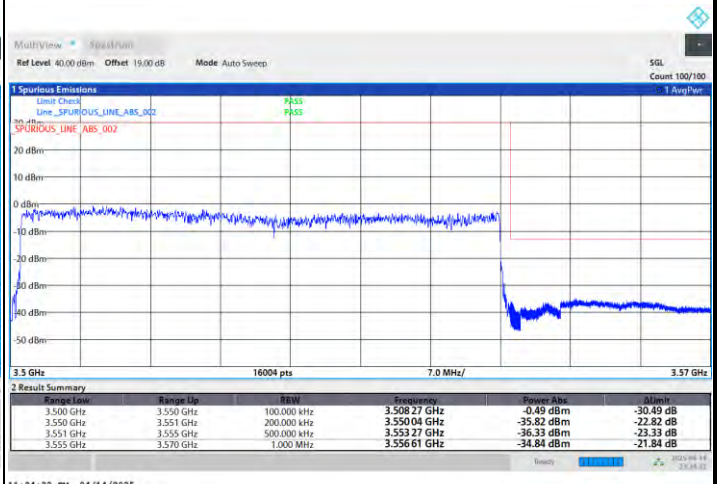
FR1 n77 / 50MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



11:30:59 PM 04/14/2025

Highest Band Edge / Full RB

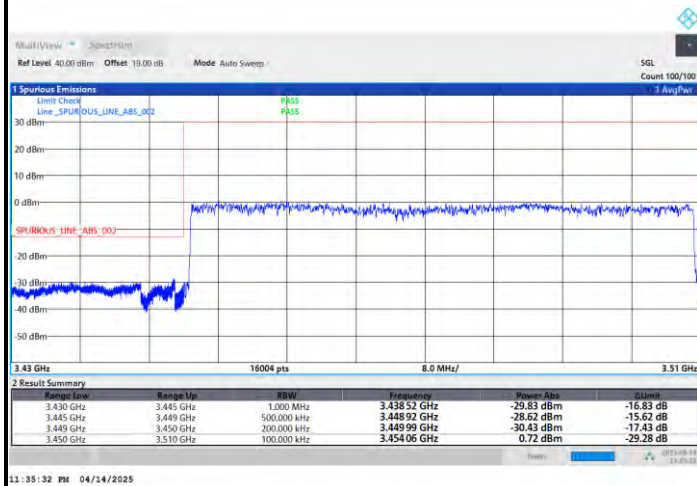


11:34:32 PM 04/14/2025



FR1 n77 / 60MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB



11:35:32 PM 04/14/2025

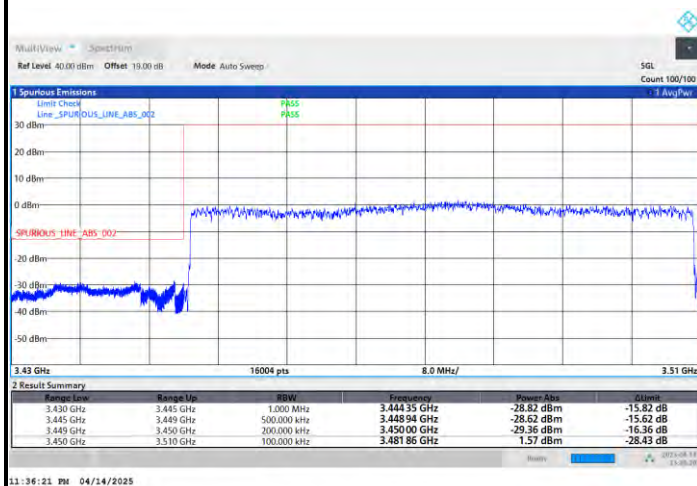
Highest Band Edge / Full RB



11:39:08 PM 04/14/2025

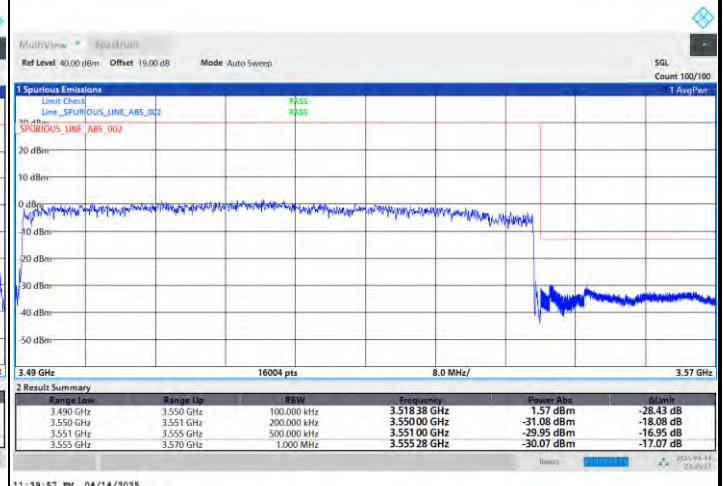
FR1 n77 / 60MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



11:36:21 PM 04/14/2025

Highest Band Edge / Full RB

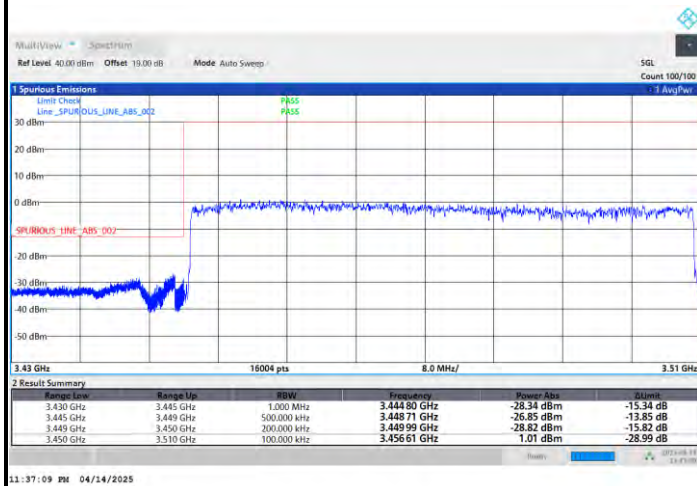


11:39:57 PM 04/14/2025



FR1 n77 / 60MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

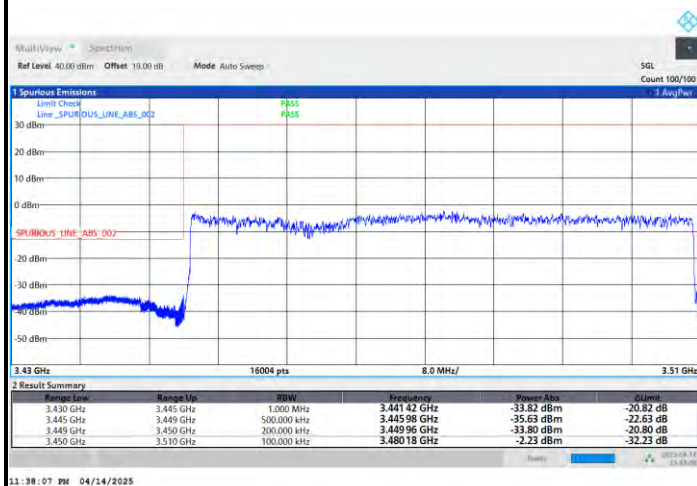


Highest Band Edge / Full RB

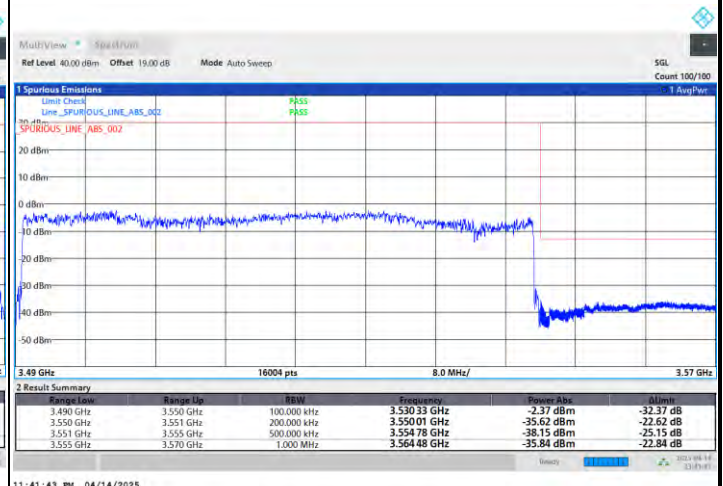


FR1 n77 / 60MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



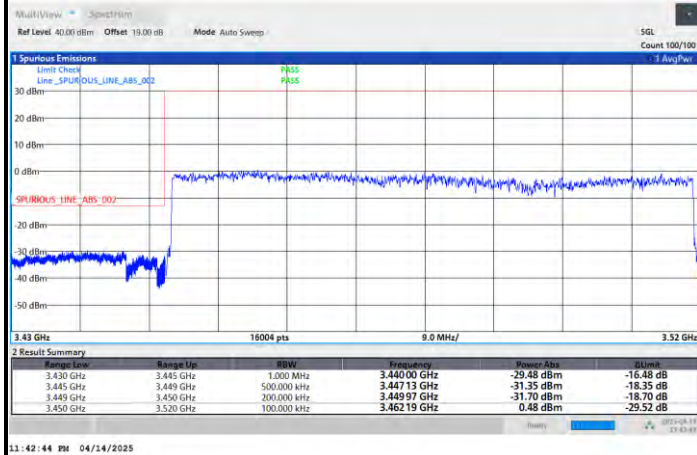
Highest Band Edge / Full RB





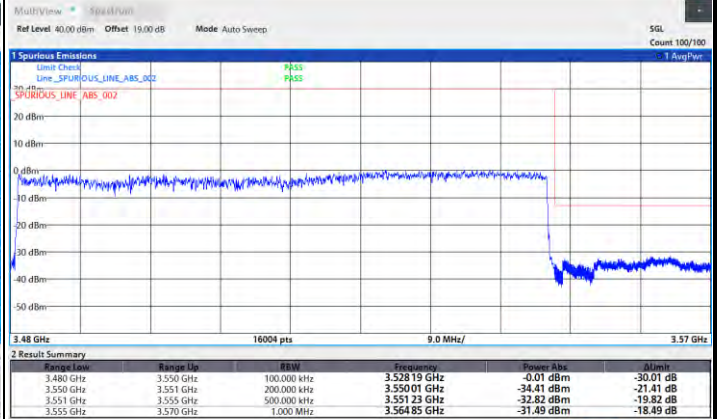
FR1 n77 / 70MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB



11:42:44 PM 04/14/2025

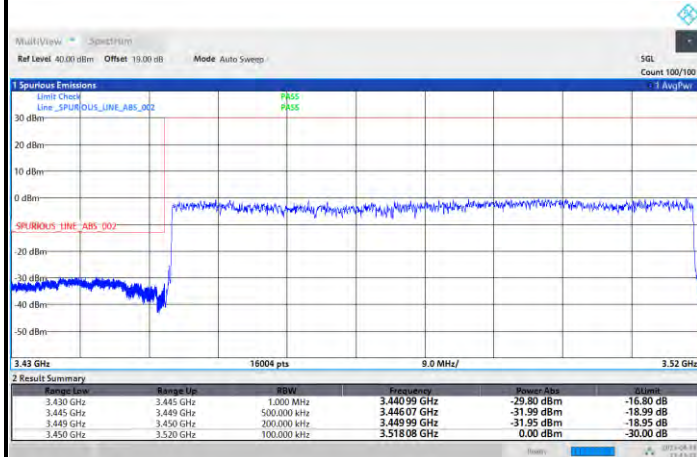
Highest Band Edge / Full RB



11:46:11 PM 04/14/2025

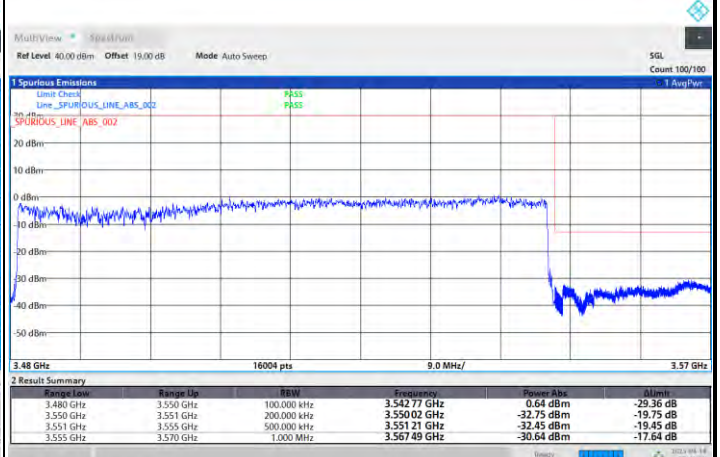
FR1 n77 / 70MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



11:43:32 PM 04/14/2025

Highest Band Edge / Full RB

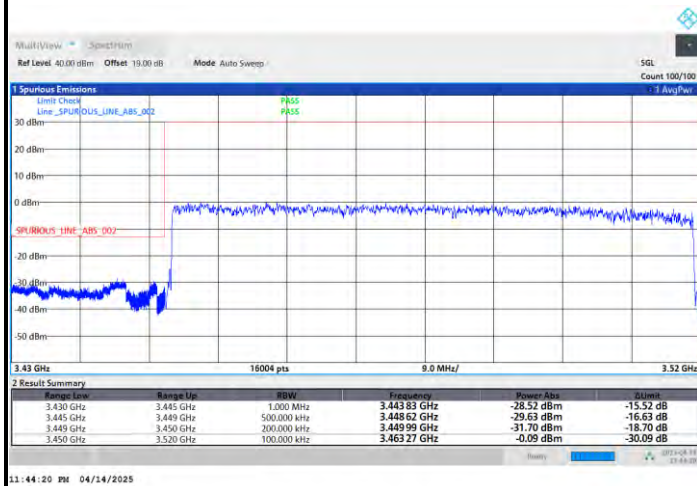


11:46:59 PM 04/14/2025



FR1 n77 / 70MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

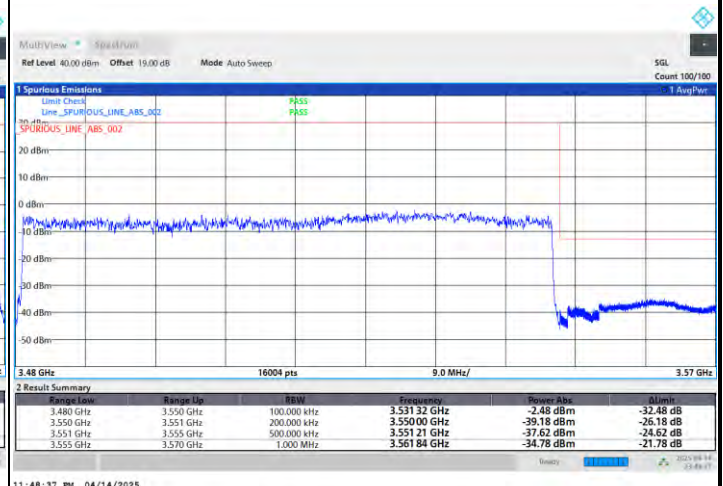


FR1 n77 / 70MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



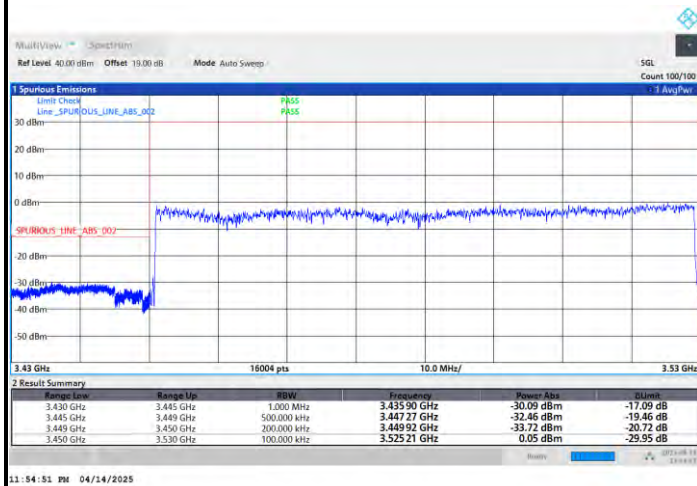
Highest Band Edge / Full RB



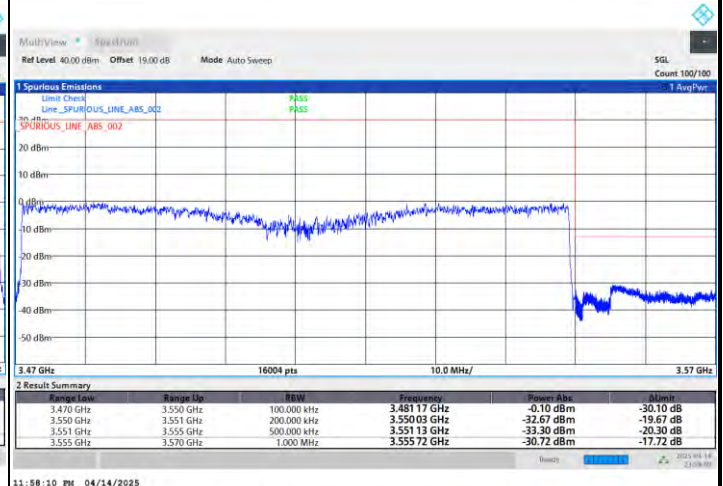


FR1 n77 / 80MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

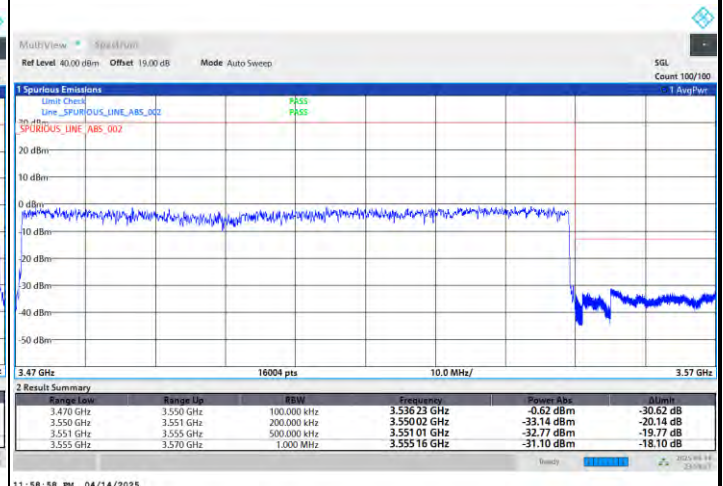


FR1 n77 / 80MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB





FR1 n77 / 80MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

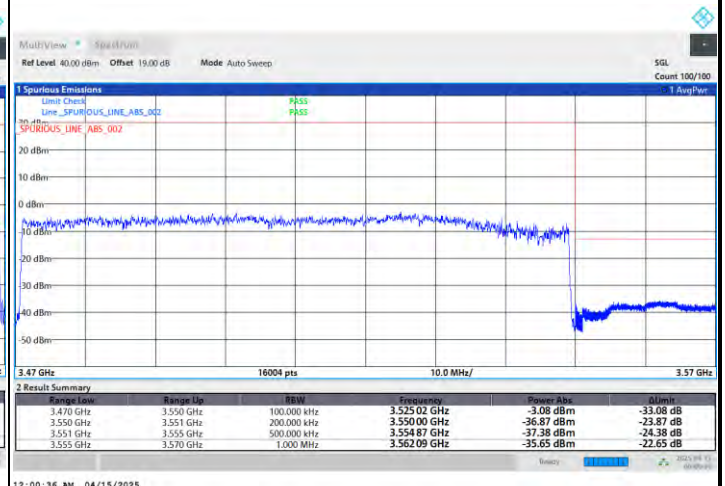


FR1 n77 / 80MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



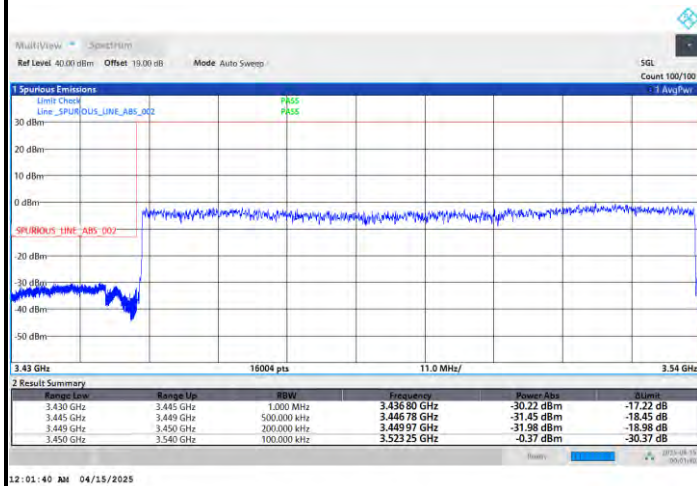
Highest Band Edge / Full RB





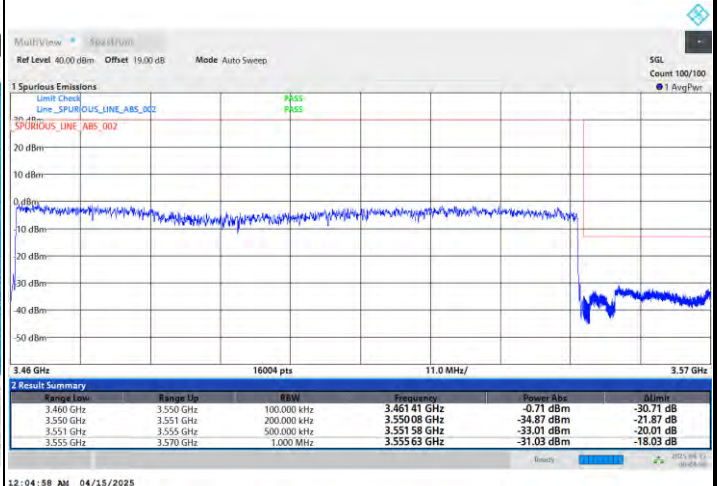
FR1 n77 / 90MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB



12:01:40 AM 04/15/2025

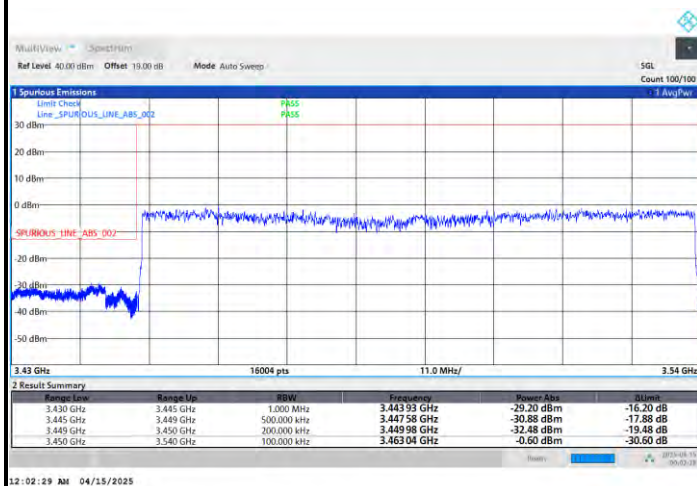
Highest Band Edge / Full RB



12:04:58 AM 04/15/2025

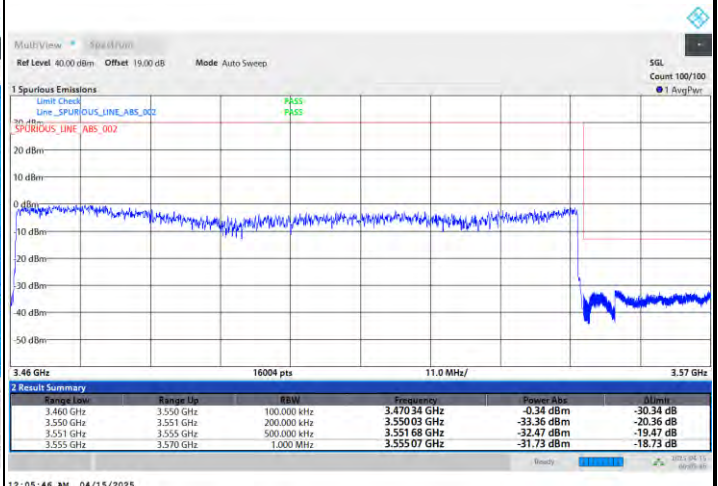
FR1 n77 / 90MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



12:02:29 AM 04/15/2025

Highest Band Edge / Full RB

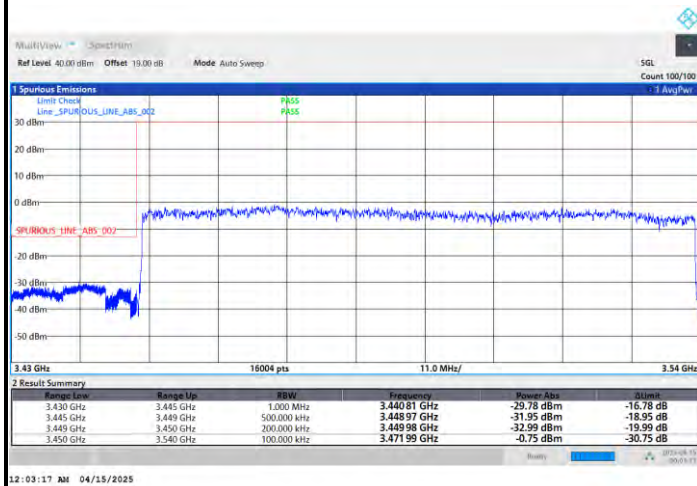


12:05:46 AM 04/15/2025



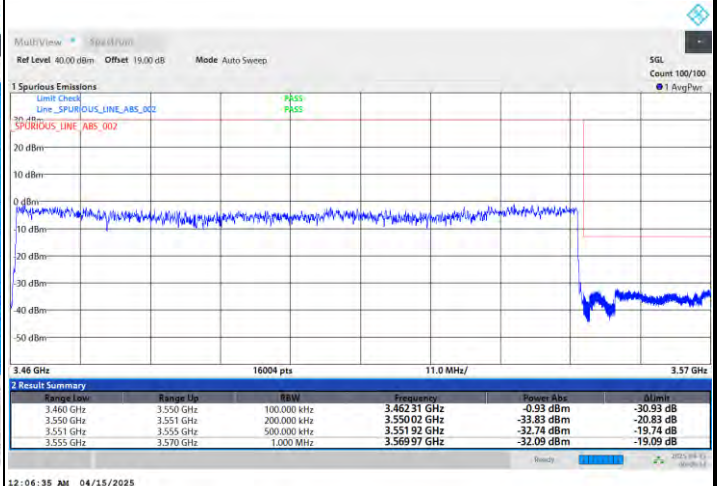
FR1 n77 / 90MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB



12:03:17 AM 04/15/2025

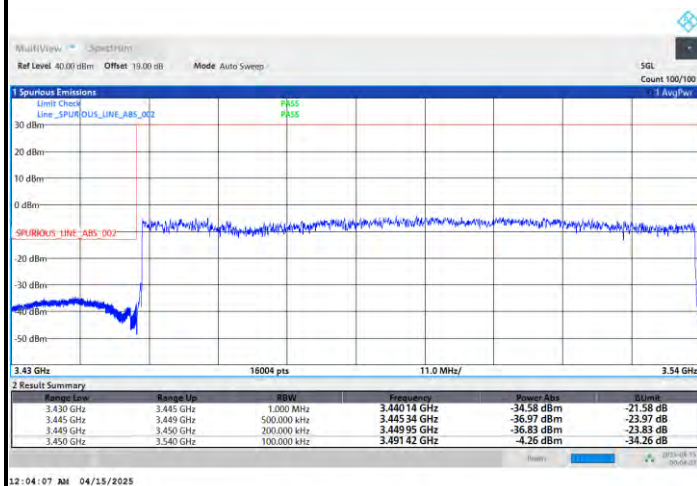
Highest Band Edge / Full RB



12:06:35 AM 04/15/2025

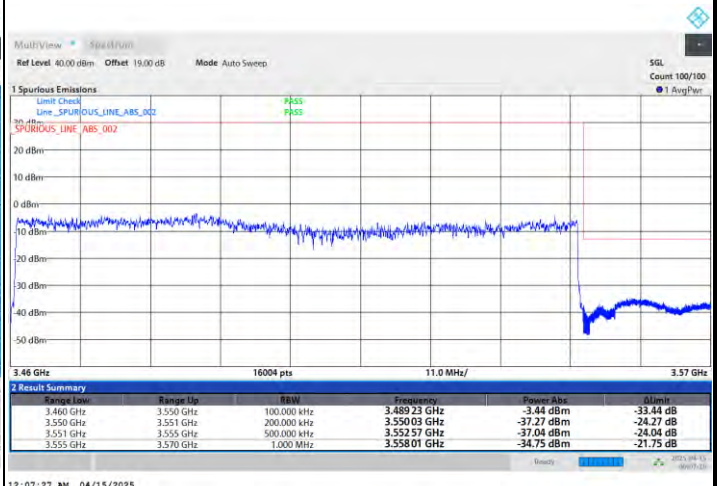
FR1 n77 / 90MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



12:04:07 AM 04/15/2025

Highest Band Edge / Full RB

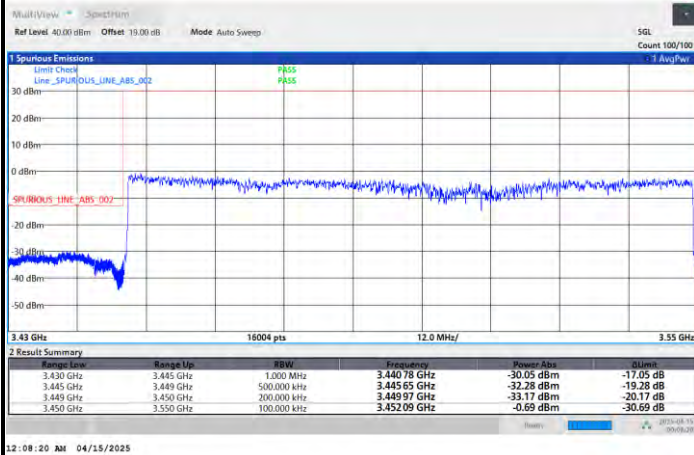


12:07:27 AM 04/15/2025



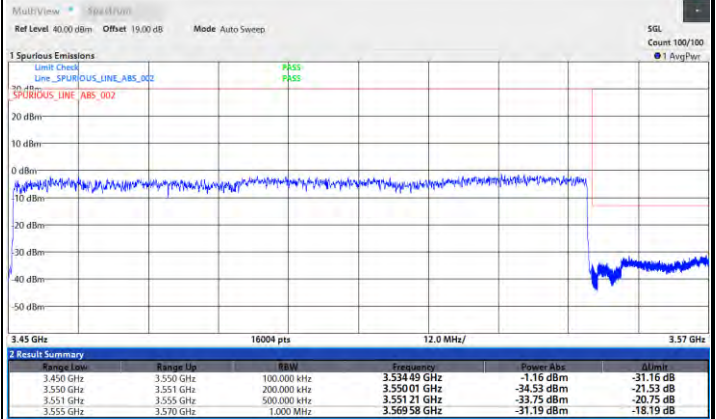
FR1 n77 / 100MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB



12:08:20 AM 04/15/2025

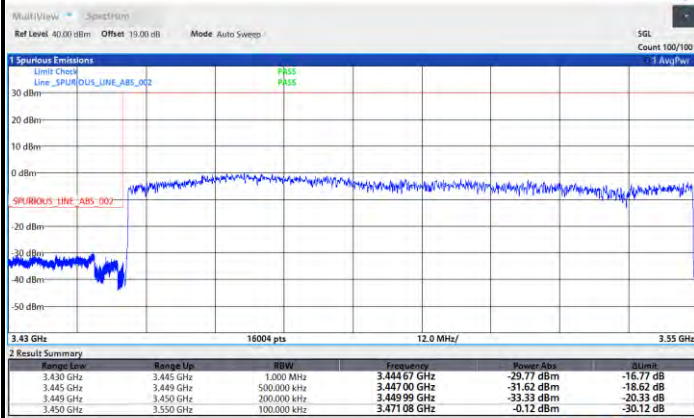
Highest Band Edge / Full RB



12:11:37 AM 04/15/2025

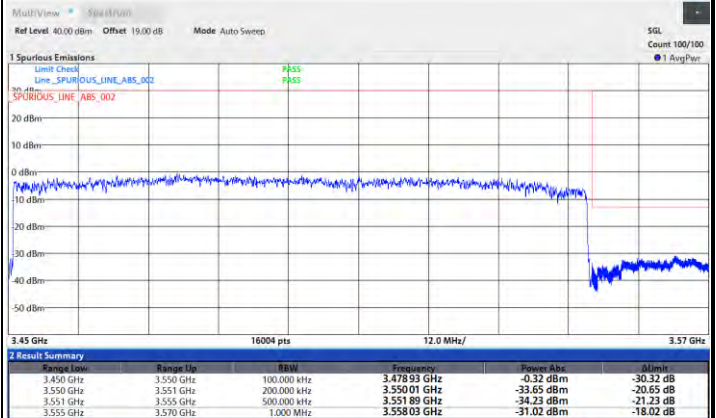
FR1 n77 / 100MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



12:09:08 AM 04/15/2025

Highest Band Edge / Full RB



12:12:25 AM 04/15/2025