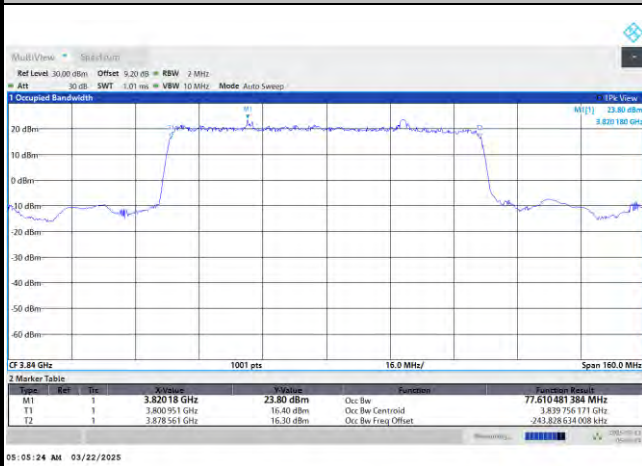




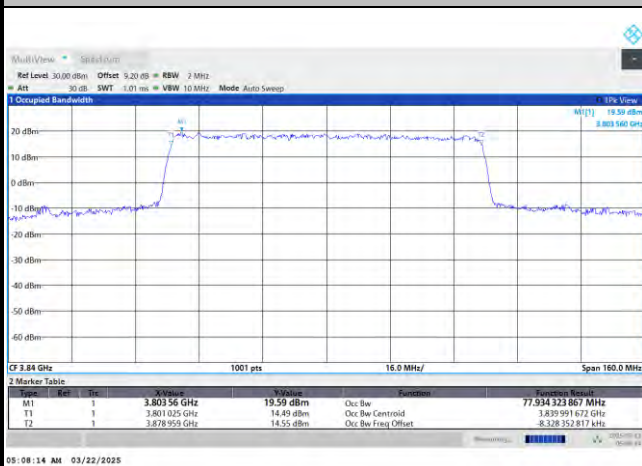
FR1 n77 / 80MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

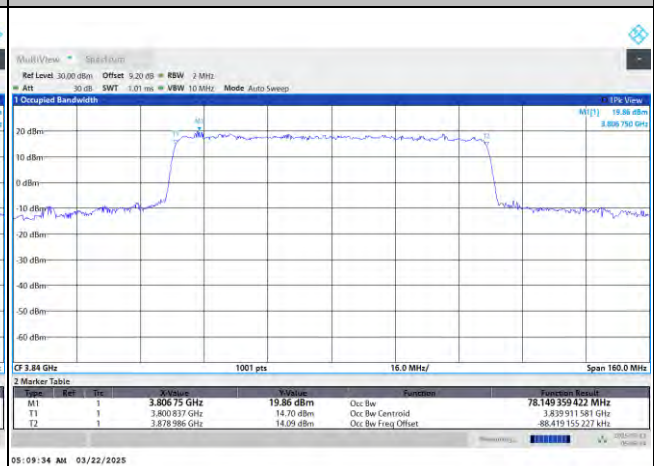


FR1 n77 / 80MHz / CP OFDM / Middle Channel / Full RB

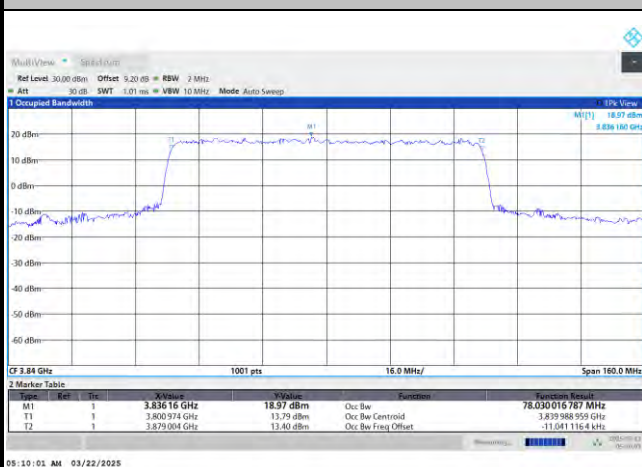
QPSK



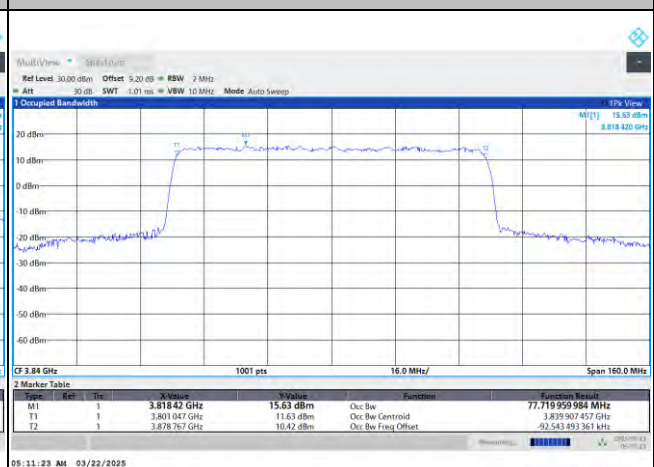
16QAM



64QAM



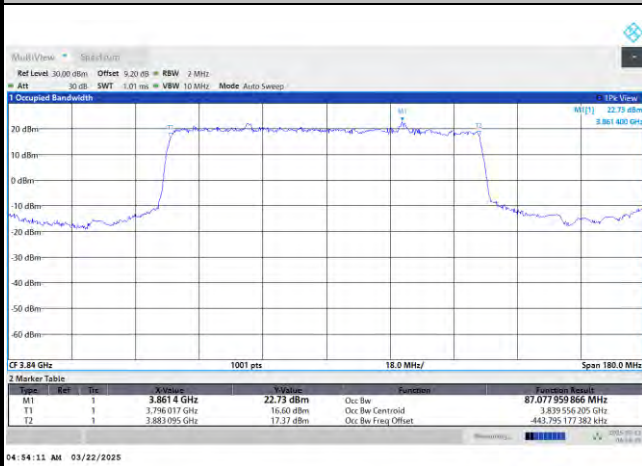
256QAM





FR1 n77 / 90MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



04:54:11 AM 03/22/2025

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

QPSK



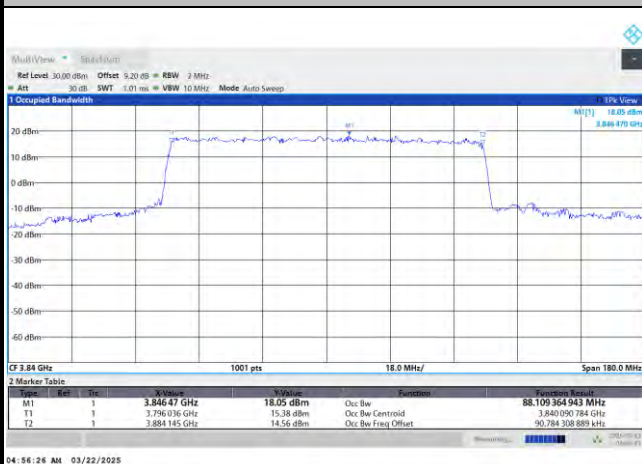
04:54:39 AM 03/22/2025

16QAM



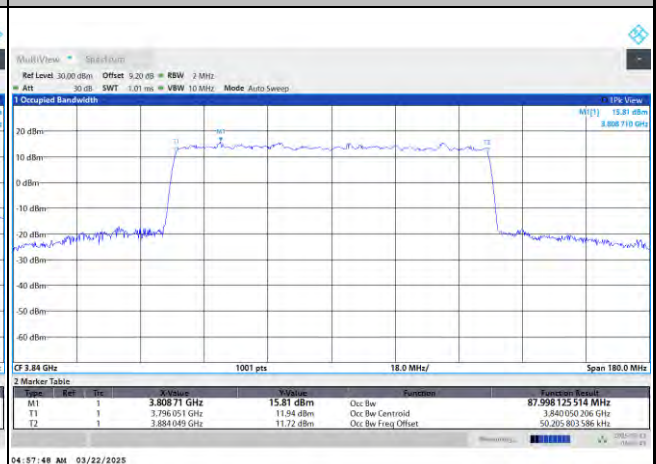
04:55:59 AM 03/22/2025

64QAM



04:56:26 AM 03/22/2025

256QAM

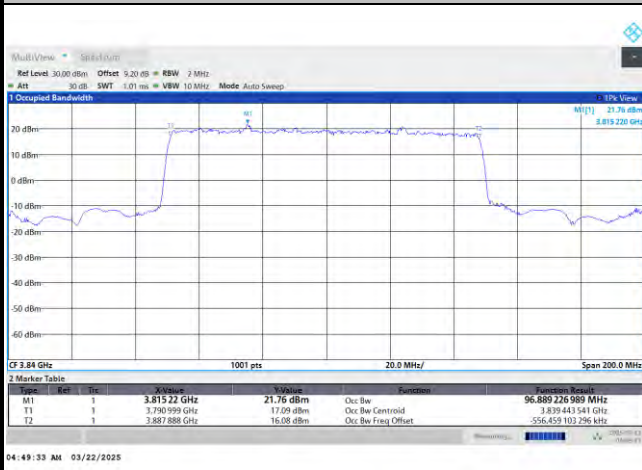


04:57:48 AM 03/22/2025



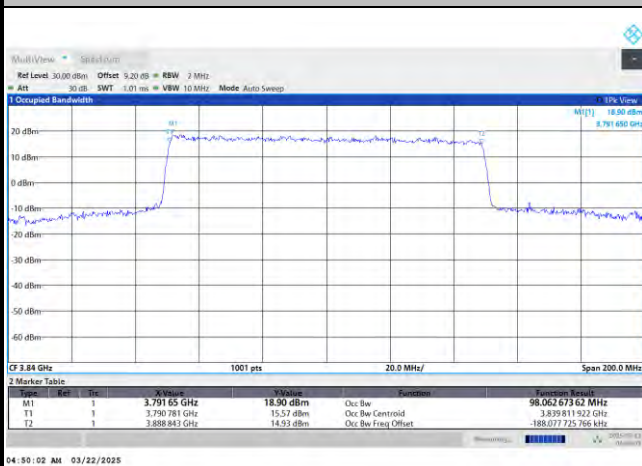
FR1 n77 / 100MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

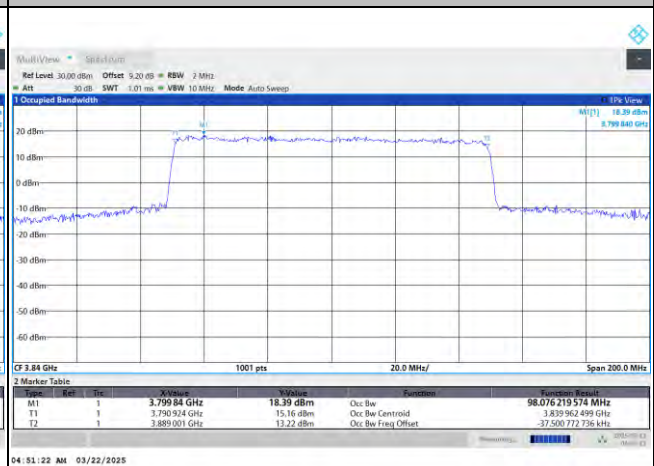


FR1 n77 / 100MHz / CP OFDM / Middle Channel / Full RB

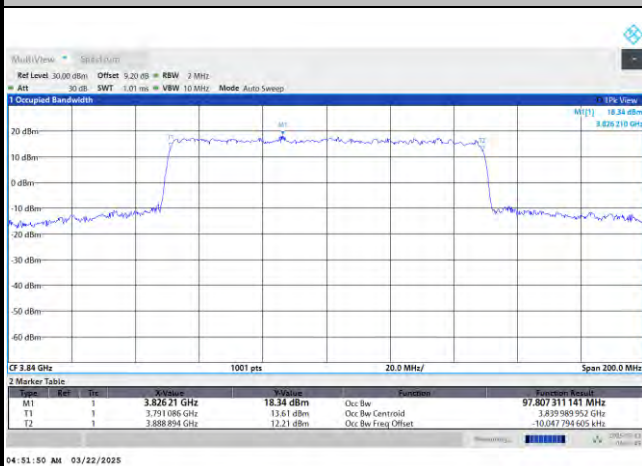
QPSK



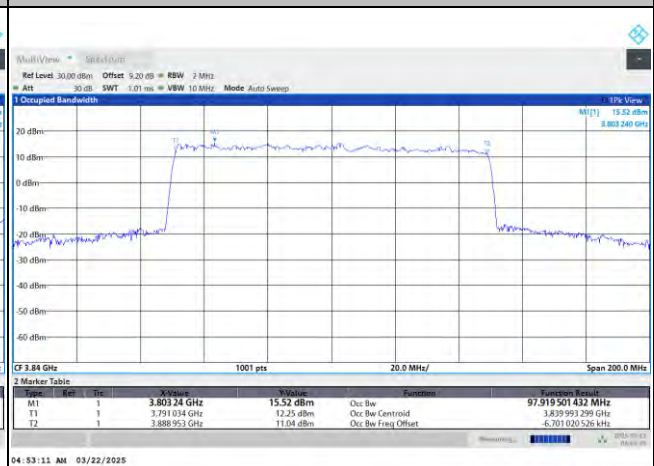
16QAM



64QAM



256QAM



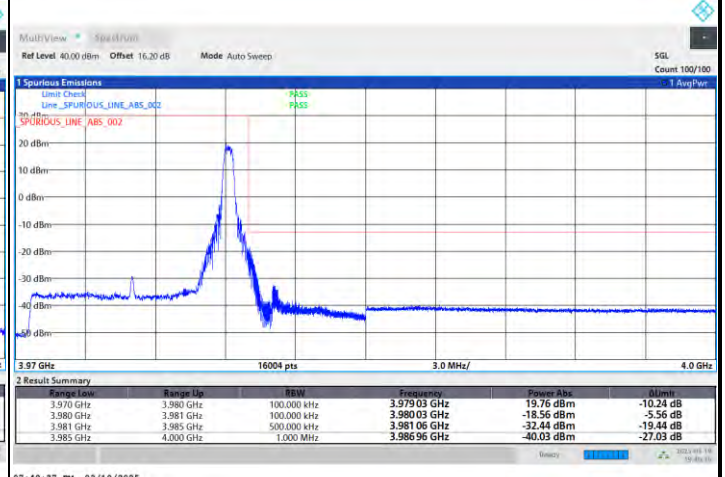
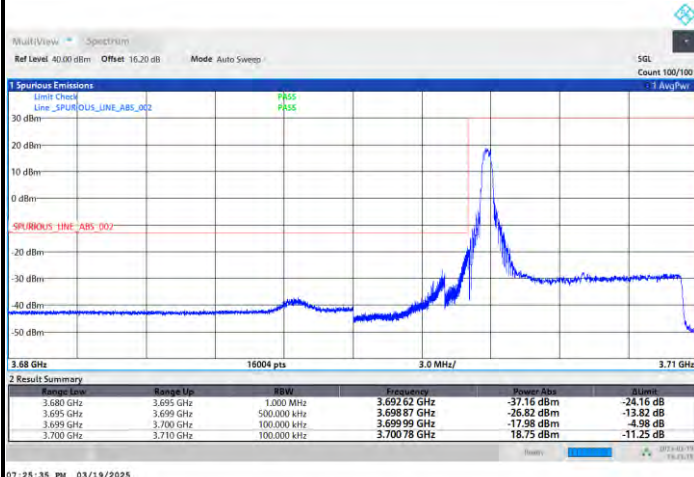


Conducted Band Edge

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

Lowest Band Edge / 1RB0

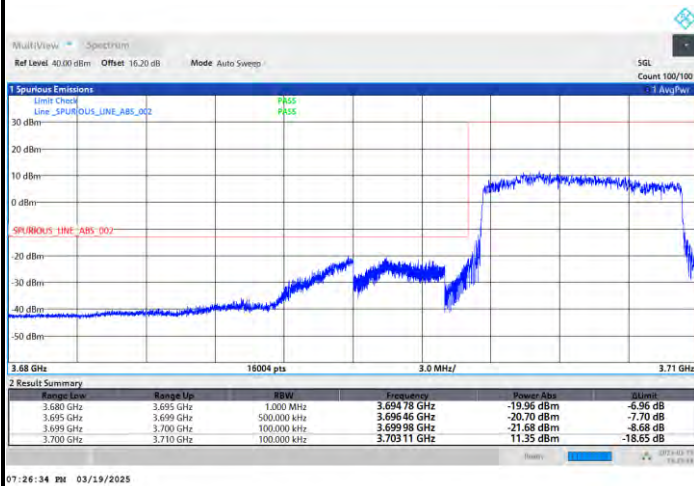
Highest Band Edge / 1RBmax





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

Lowest Band Edge / Full RB



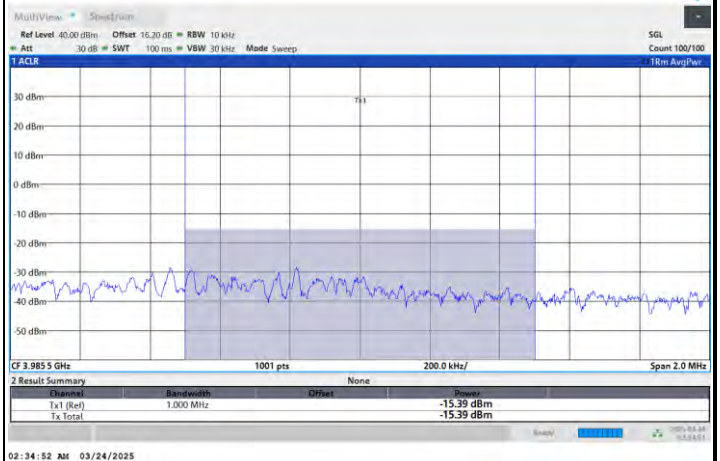
Highest Band Edge / Full RB



N/A

Channel power -13dBm > -15.39dBm (PASS)

N/A

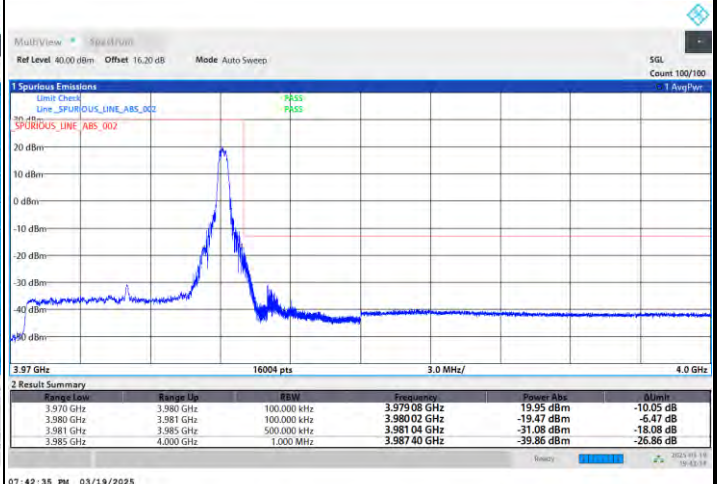




FR1 n77 / 10MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

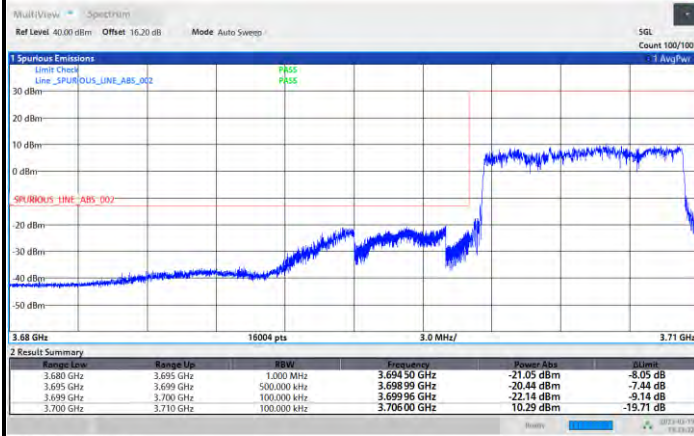
Highest Band Edge / 1RBmax





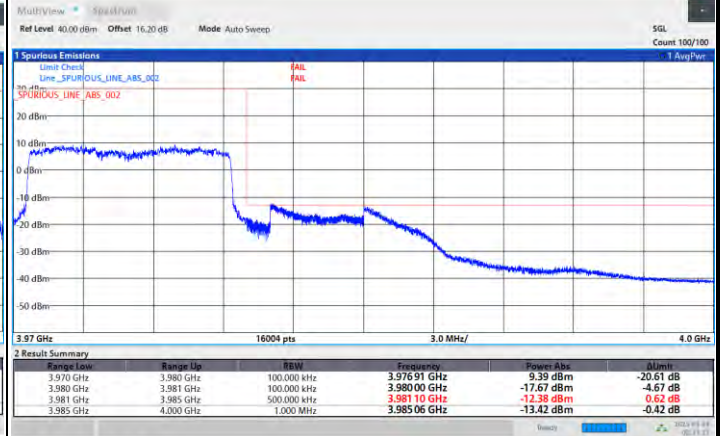
FR1 n77 / 10MHz / DFT-S OFDM / QPSK

Lowest Band Edge / Full RB



07:28:32 PM 03/19/2025

Highest Band Edge / Full RB

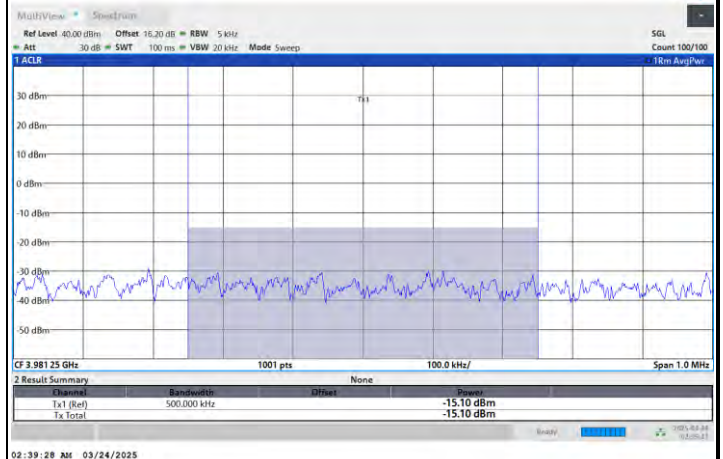


02:37:23 AM 03/24/2025

N/A

Channel power -13dBm > -15.10dBm (PASS)

N/A



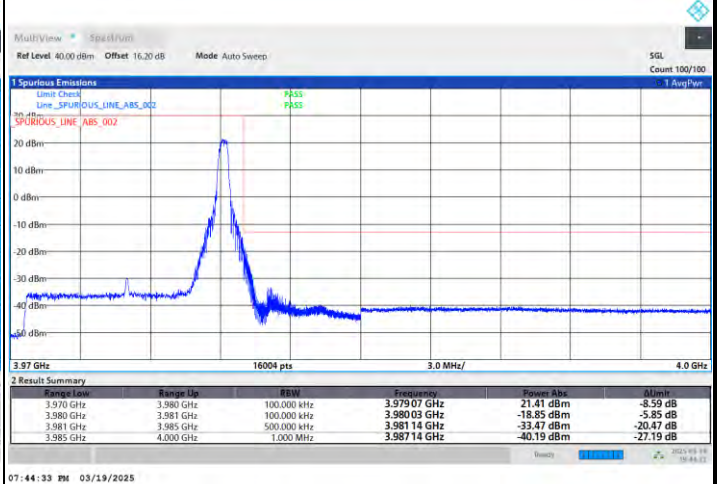
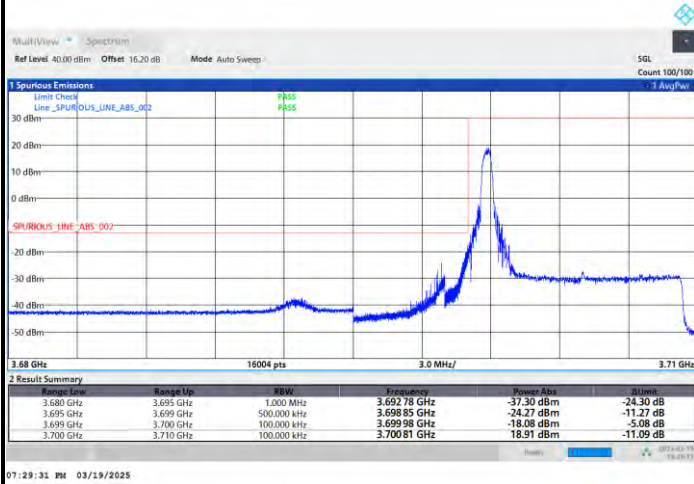
02:39:28 AM 03/24/2025



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

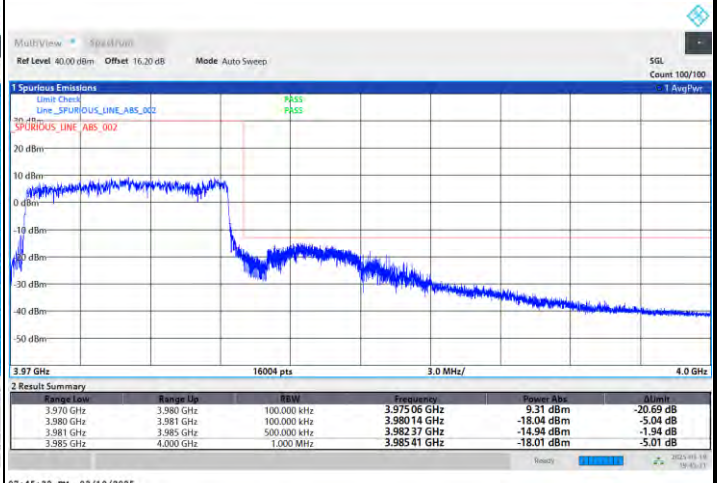
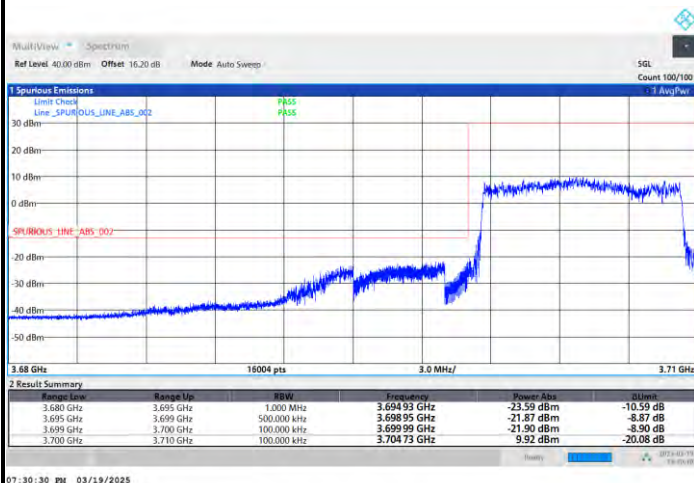
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

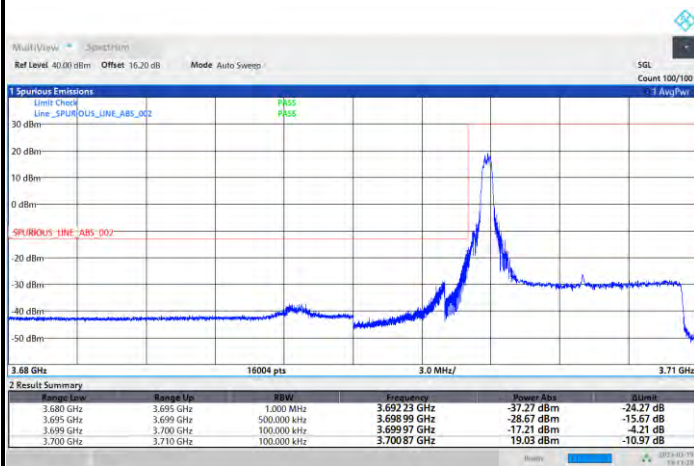
Highest Band Edge / Full RB



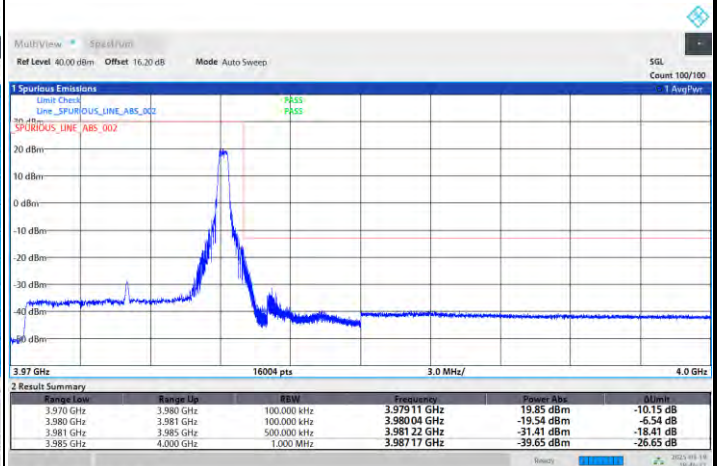


FR1 n77 / 10MHz / DFT-S OFDM / 64QAM

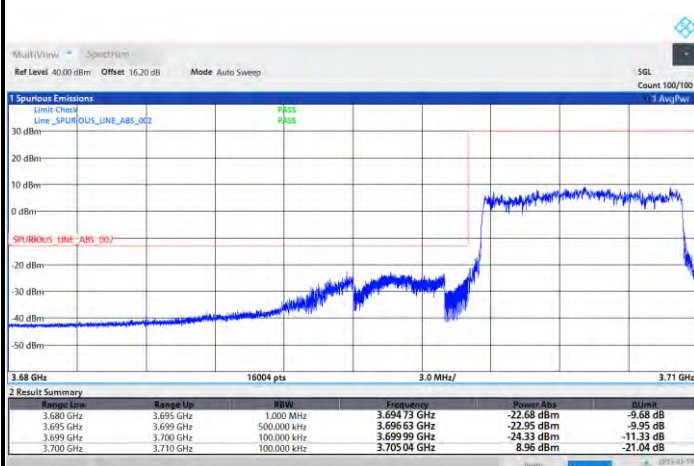
Lowest Band Edge / 1RB0



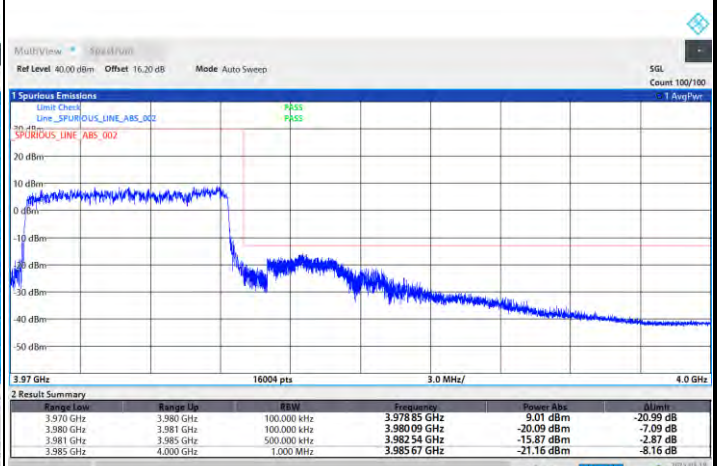
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

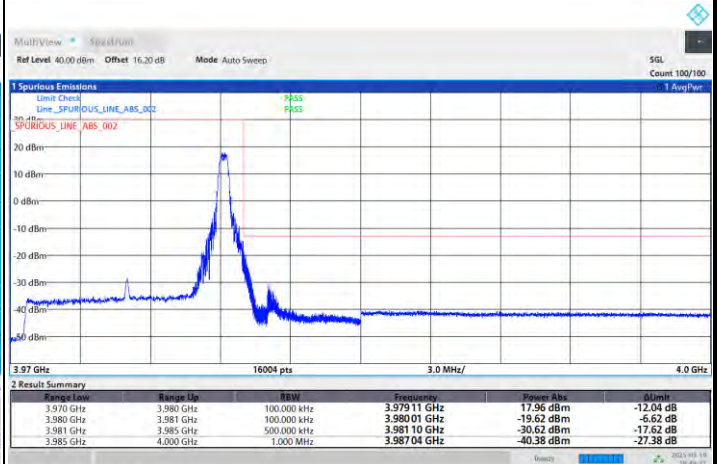
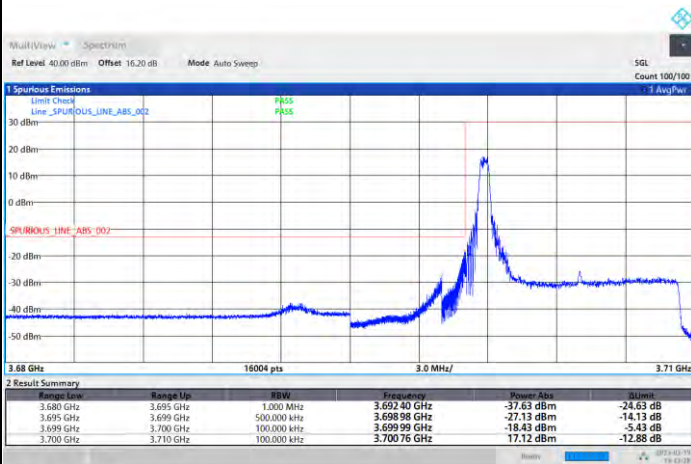




FR1 n77 / 10MHz / DFT-S OFDM / 256QAM

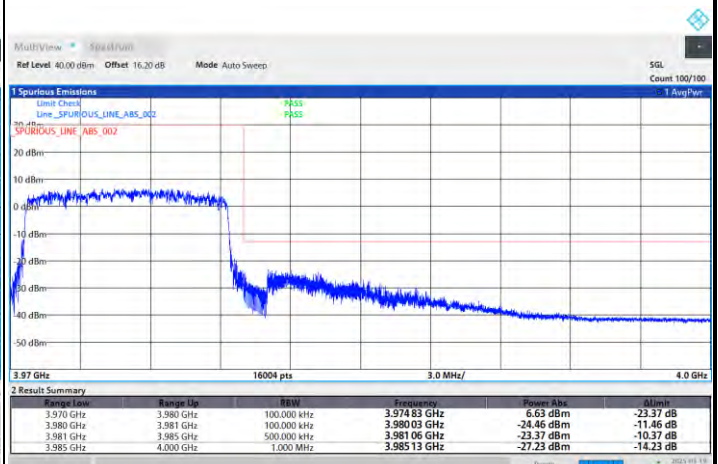
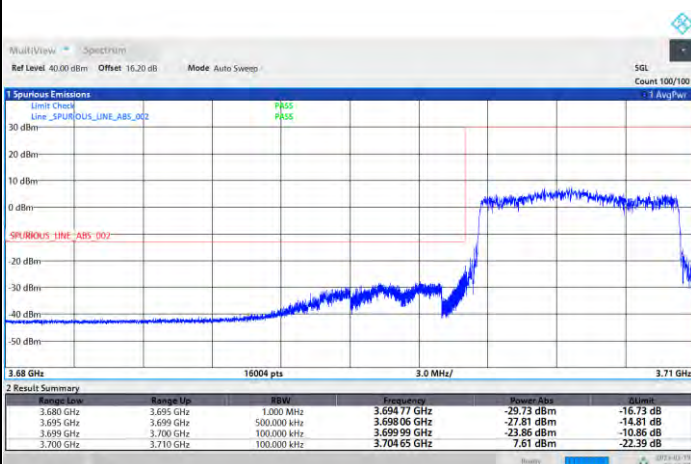
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

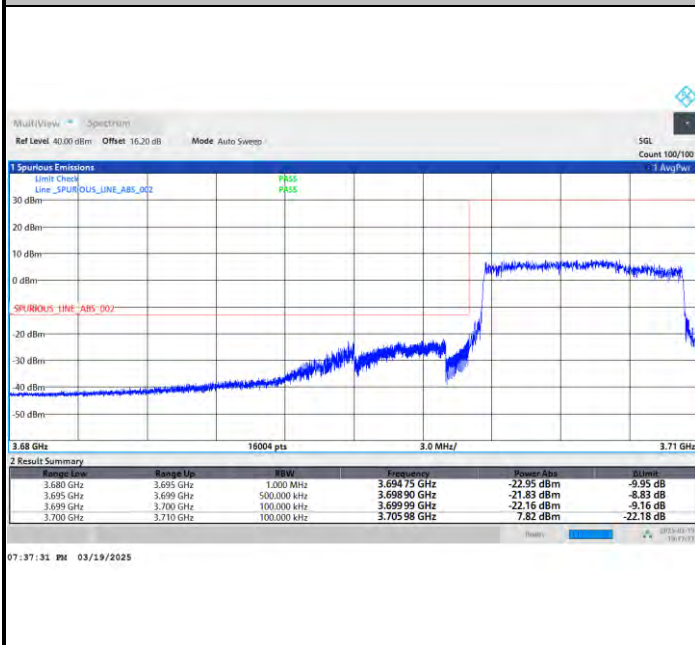
Highest Band Edge / Full RB



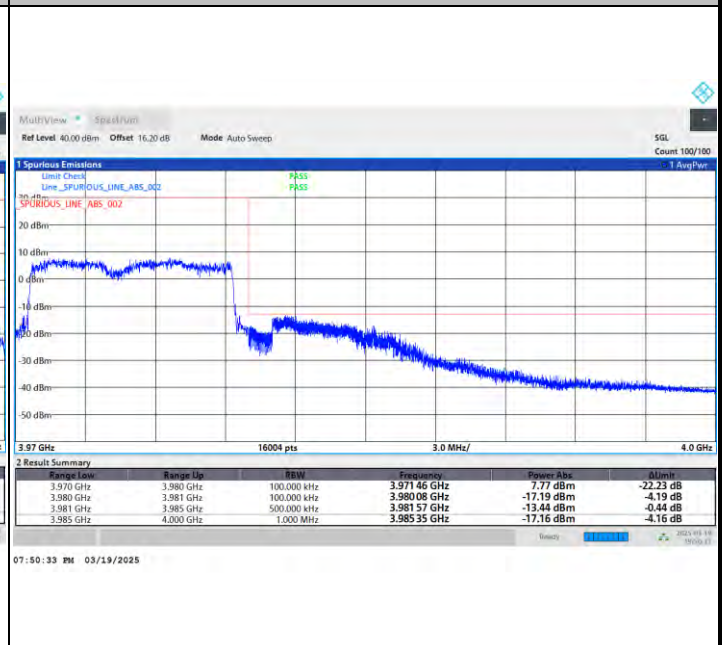


FR1 n77 / 10MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge



Highest Band Edge





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

Lowest Band Edge / Full RB



07:53:39 PM 03/19/2025

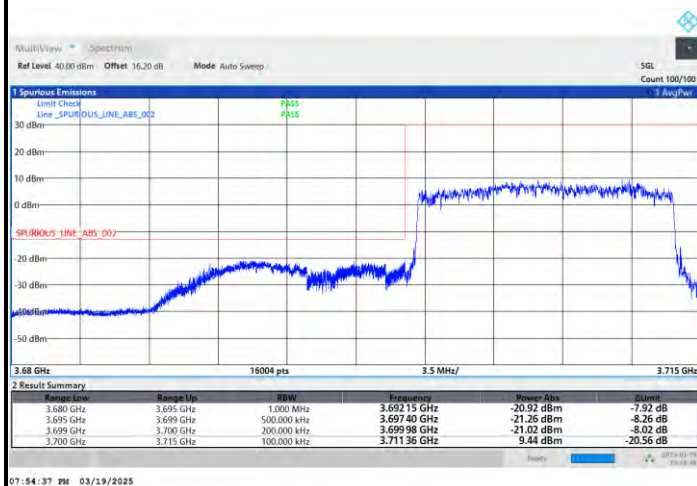
Highest Band Edge / Full RB



07:59:40 PM 03/19/2025

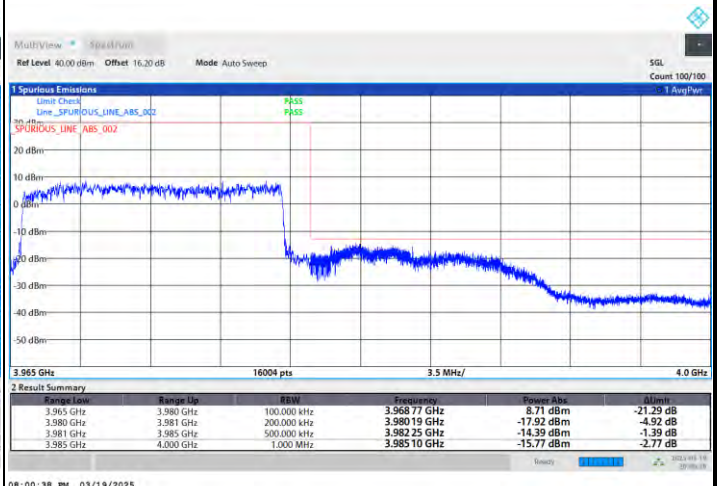
FR1 n77 / 15MHz / DFT-S OFDM / QPSK

Lowest Band Edge / Full RB



07:54:37 PM 03/19/2025

Highest Band Edge / Full RB



08:00:38 PM 03/19/2025

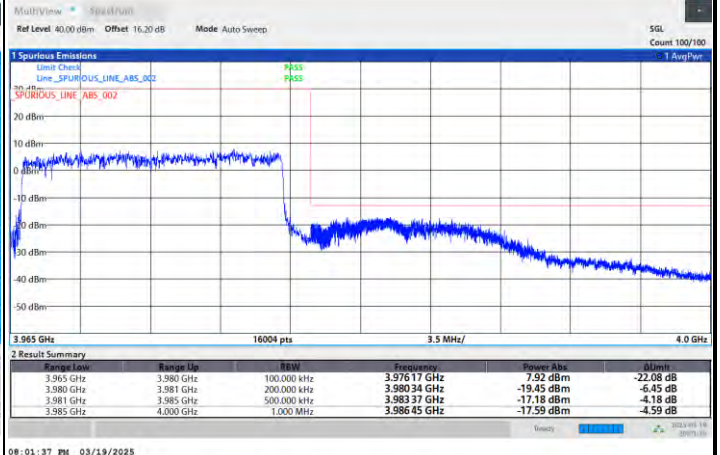


FR1 n77 / 15MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / Full RB

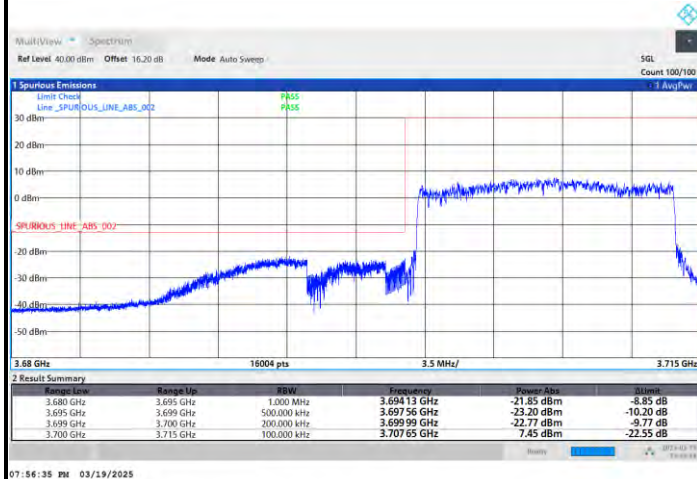


Highest Band Edge / Full RB

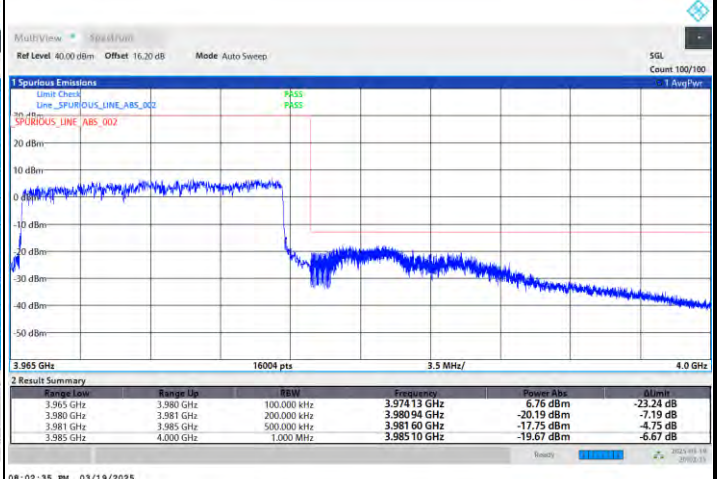


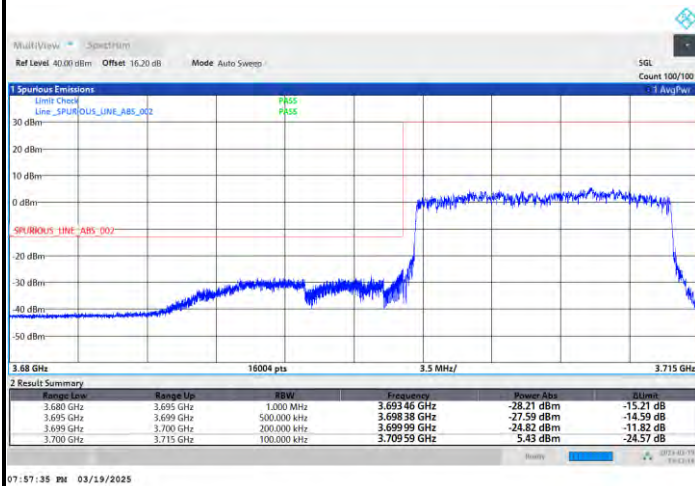
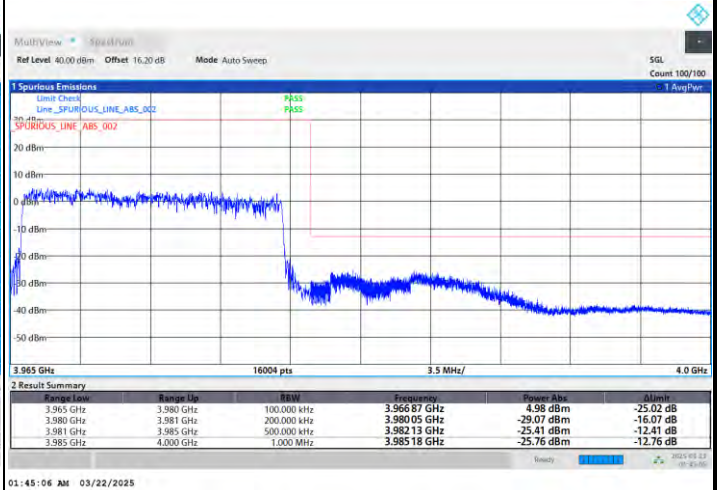
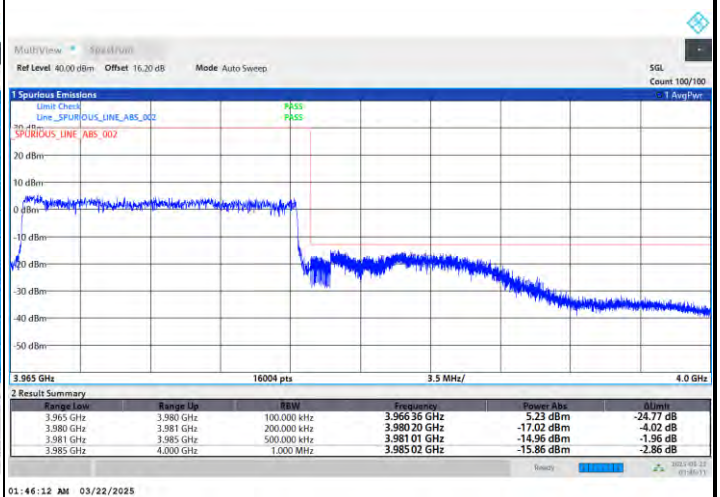
FR1 n77 / 15MHz / DFT-S OFDM / 64QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

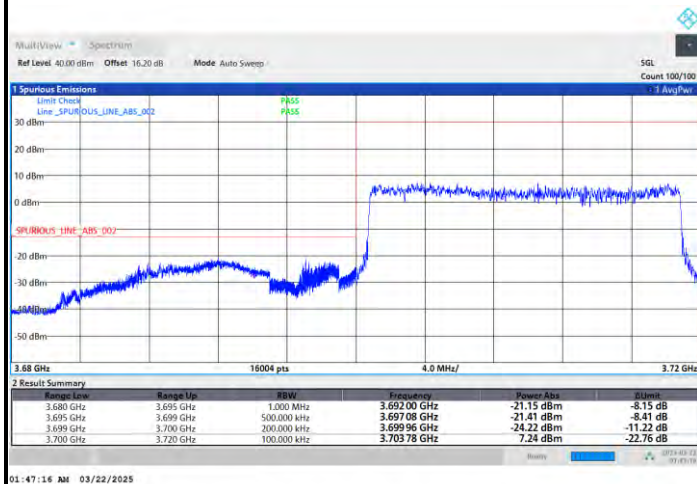


**FR1 n77 / 15MHz / DFT-S OFDM / 256QAM****Lowest Band Edge / Full RB****Highest Band Edge / Full RB****FR1 n77 / 15MHz / CP OFDM / QPSK / Full RB****Lowest Band Edge****Highest Band Edge**



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

Lowest Band Edge / Full RB



01:47:16 AM 03/22/2025

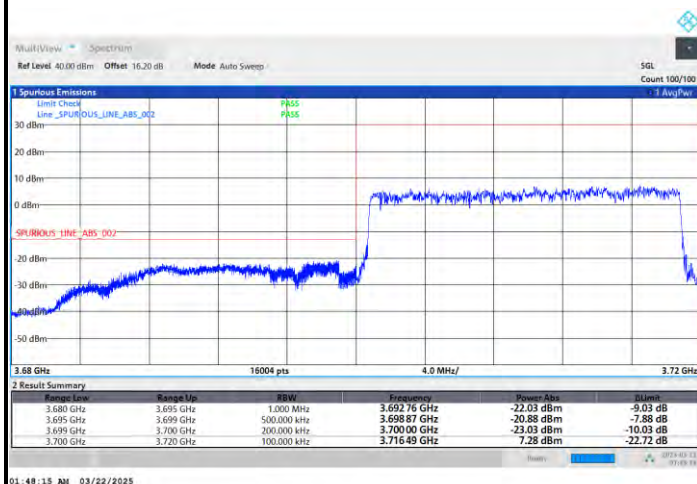
Highest Band Edge / Full RB



02:00:45 AM 03/22/2025

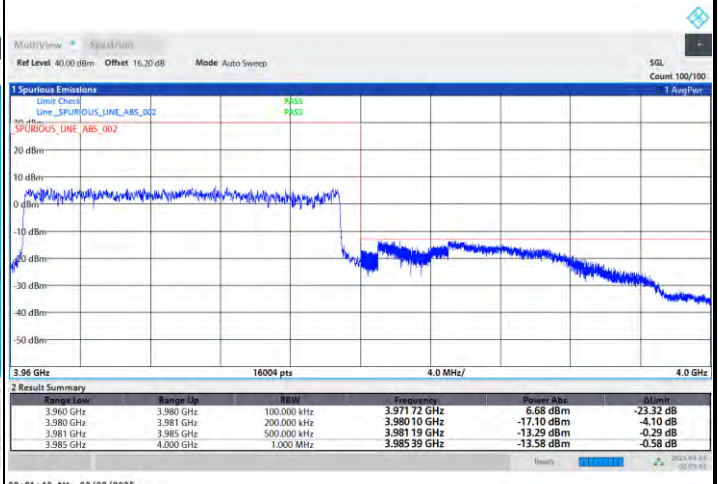
FR1 n77 / 20MHz / DFT-S OFDM / QPSK

Lowest Band Edge / Full RB



01:48:15 AM 03/22/2025

Highest Band Edge / Full RB



02:01:43 AM 03/22/2025

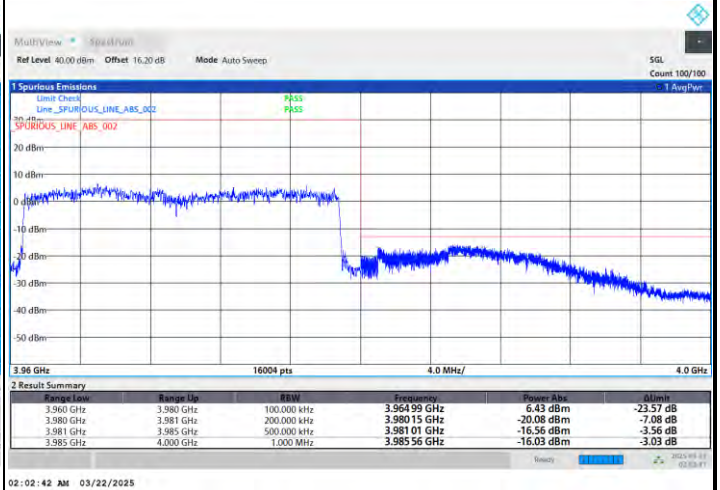


FR1 n77 / 20MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / Full RB

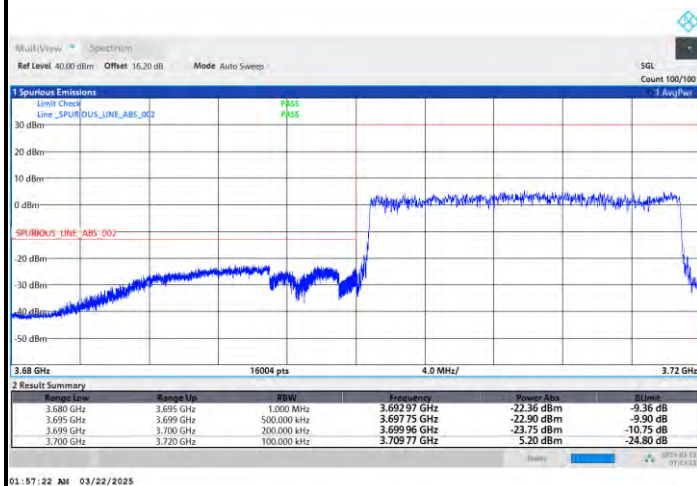


Highest Band Edge / Full RB

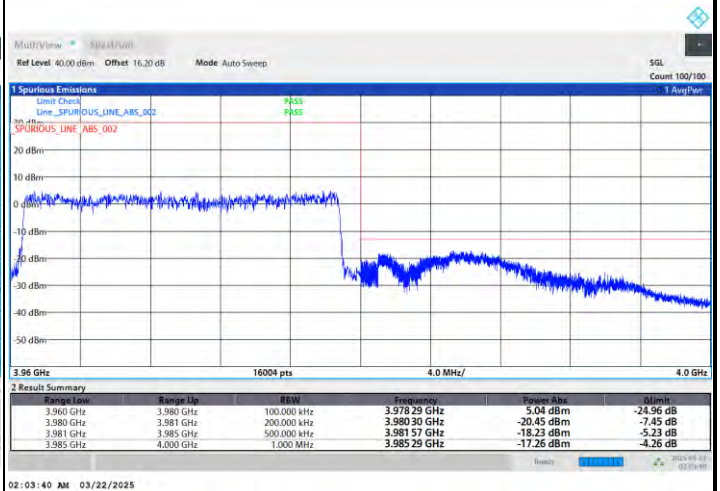


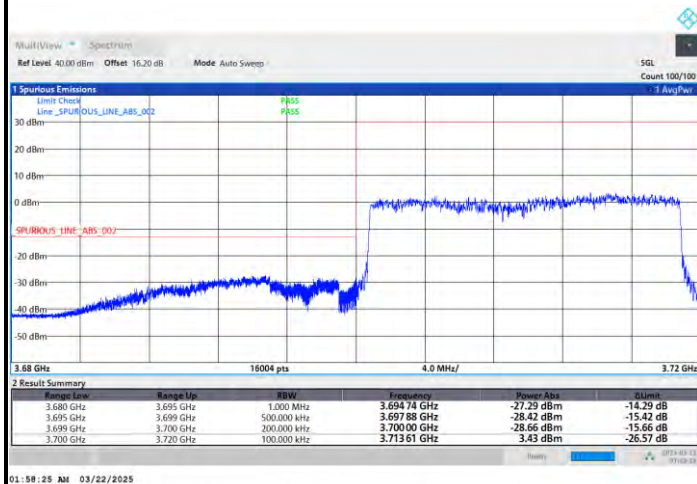
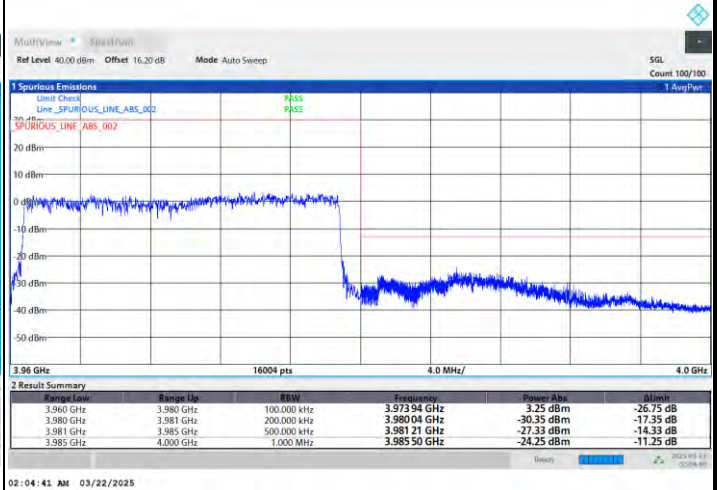
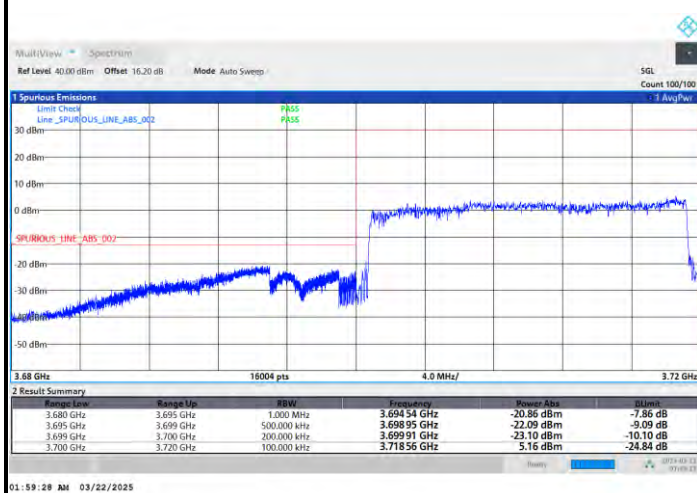
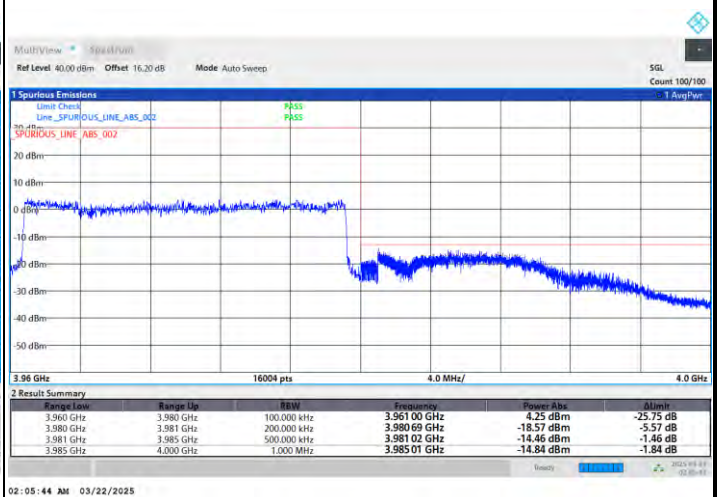
FR1 n77 / 20MHz / DFT-S OFDM / 64QAM

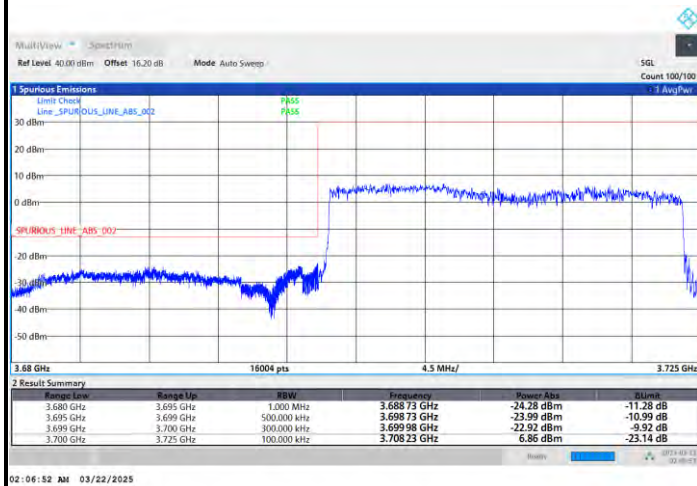
Lowest Band Edge / Full RB



Highest Band Edge / Full RB



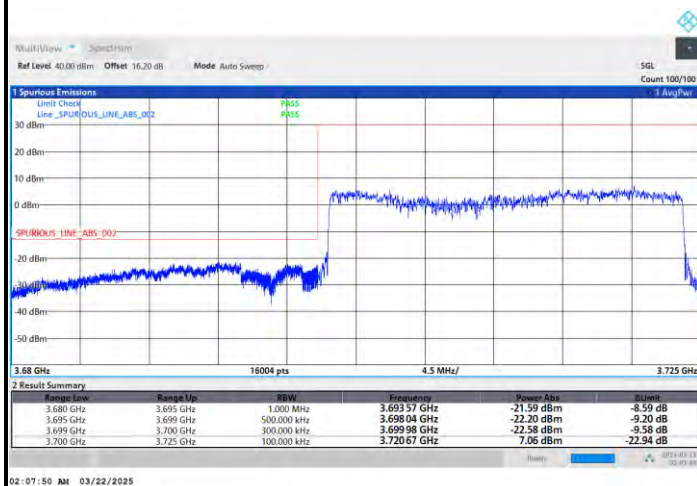
**FR1 n77 / 20MHz / DFT-S OFDM / 256QAM****Lowest Band Edge / Full RB****Highest Band Edge / Full RB****FR1 n77 / 20MHz / CP OFDM / QPSK / Full RB****Lowest Band Edge****Highest Band Edge**

**FR1 n77 / 25MHz / DFT-S OFDM / PI/2 BPSK****Lowest Band Edge / Full RB**

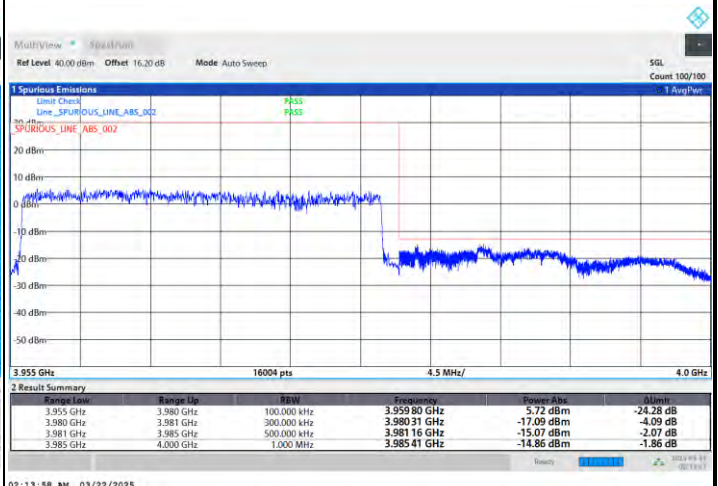
02:06:52 AM 03/22/2025

Highest Band Edge / Full RB

02:12:59 AM 03/22/2025

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

02:07:50 AM 03/22/2025

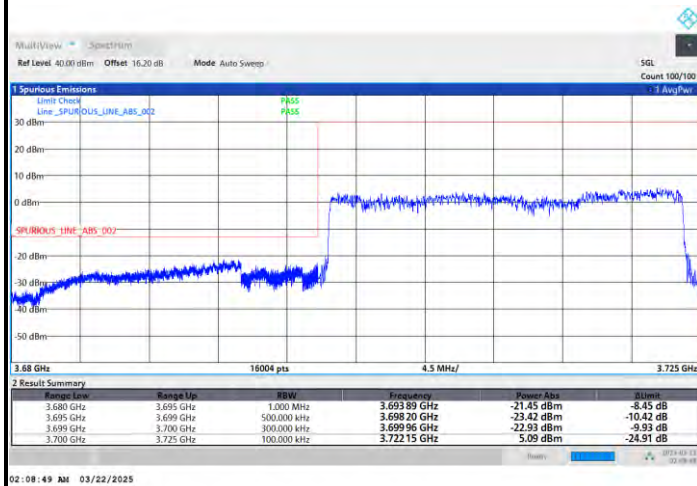
Highest Band Edge / Full RB

02:13:58 AM 03/22/2025



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

Lowest Band Edge / Full RB



02:08:49 AM 03/22/2025

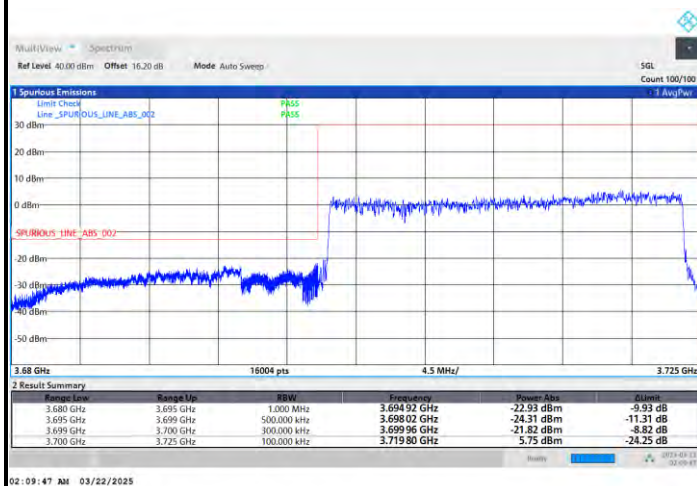
Highest Band Edge / Full RB



02:14:56 AM 03/22/2025

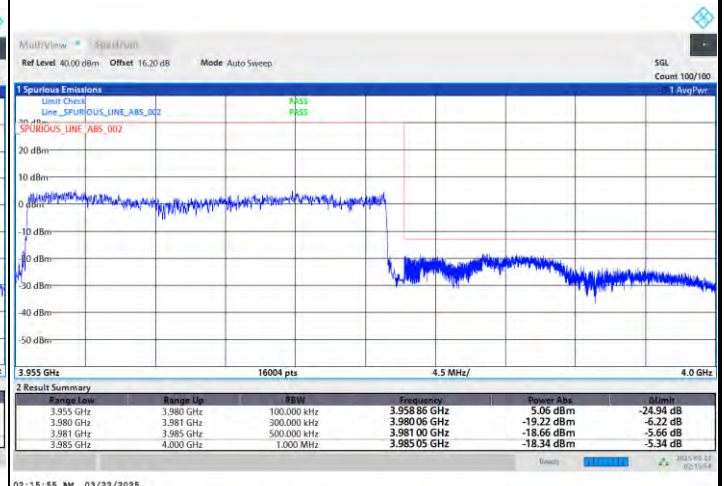
FR1 n77 / 25MHz / DFT-S OFDM / 64QAM

Lowest Band Edge / Full RB

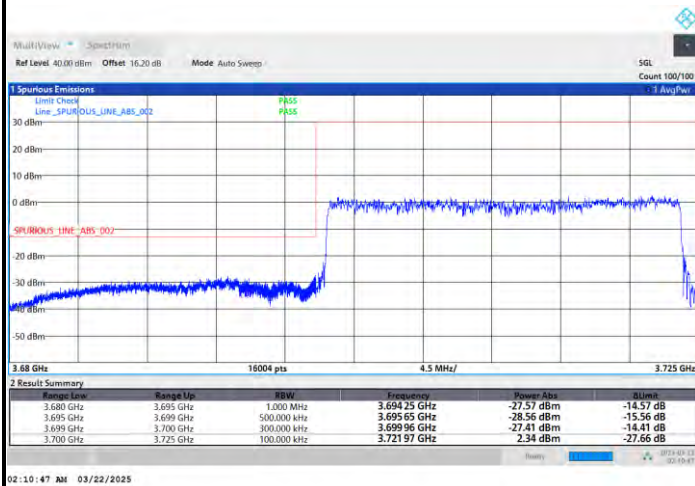
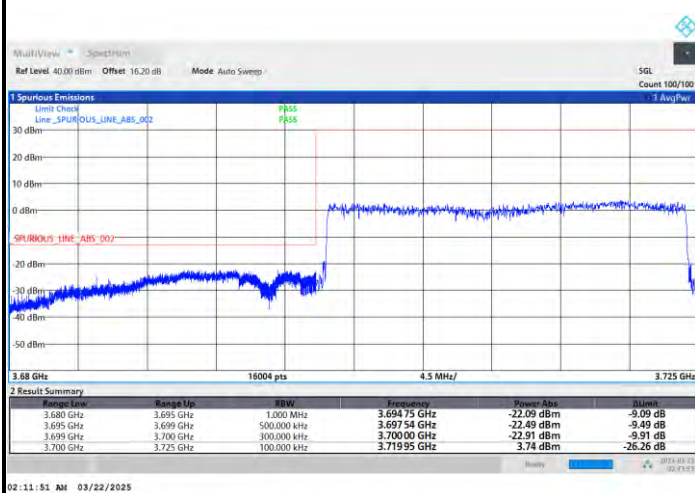
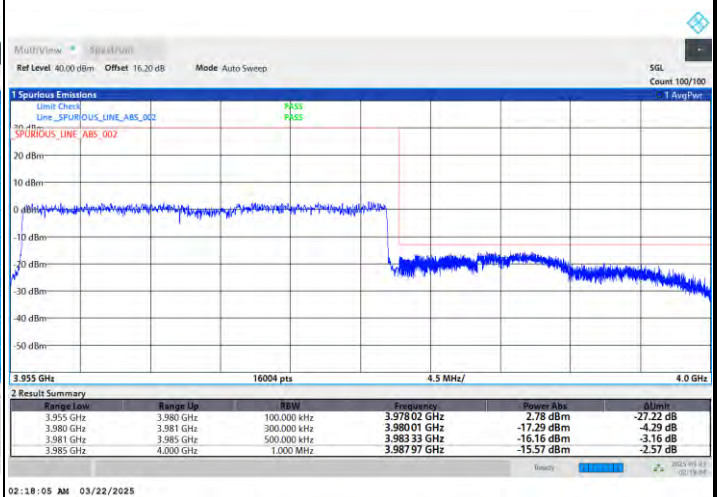


02:09:47 AM 03/22/2025

Highest Band Edge / Full RB



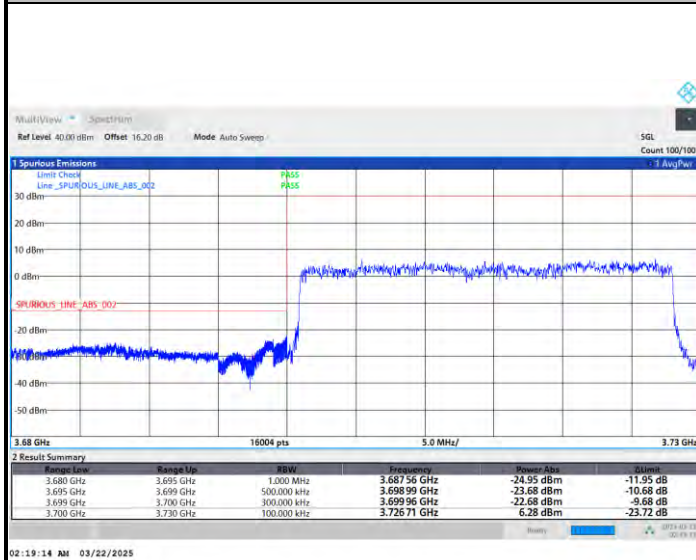
02:15:55 AM 03/22/2025

**FR1 n77 / 25MHz / DFT-S OFDM / 256QAM****Lowest Band Edge / Full RB****Highest Band Edge / Full RB****FR1 n77 / 25MHz / CP OFDM / QPSK / Full RB****Lowest Band Edge****Highest Band Edge**

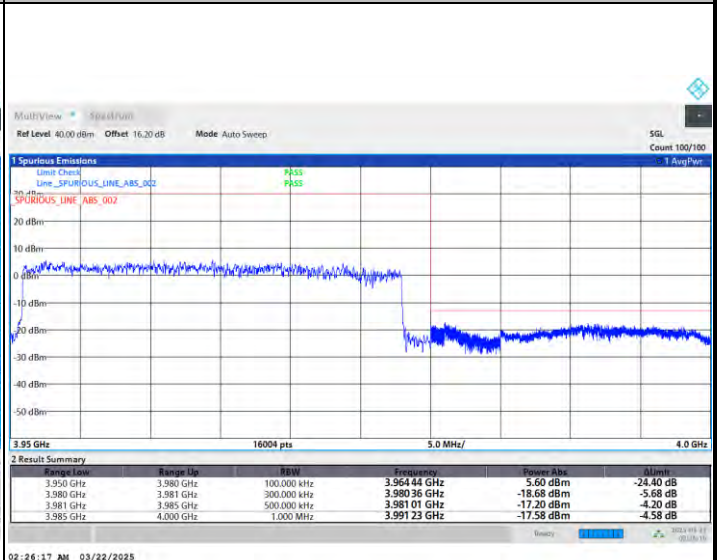


FR1 n77 / 30MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

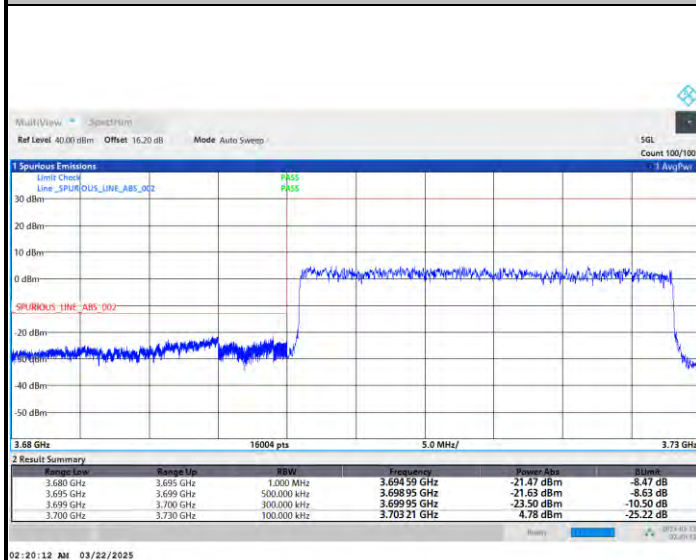


Highest Band Edge / Full RB

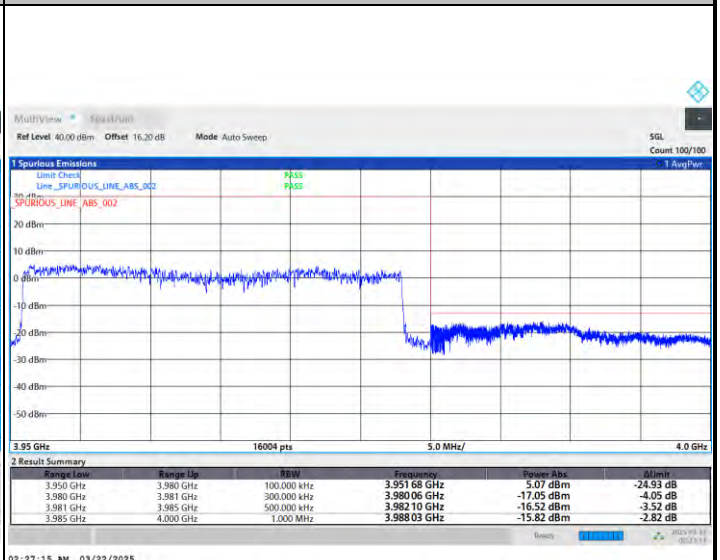


FR1 n77 / 30MHz / DFT-S OFDM / QPSK

Lowest Band Edge / Full RB



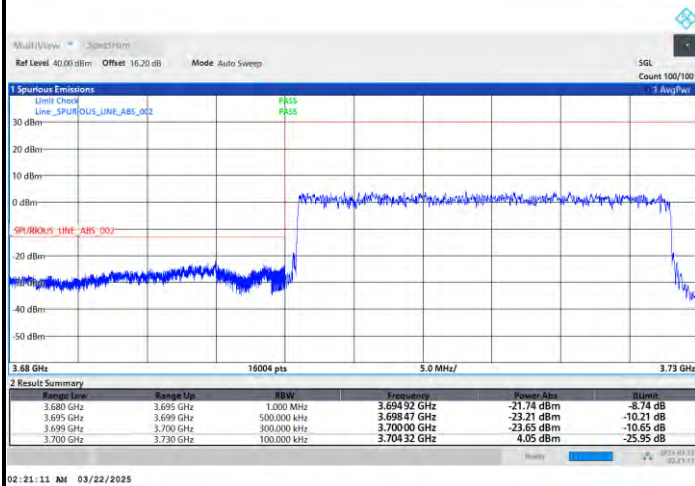
Highest Band Edge / Full RB





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

Lowest Band Edge / Full RB



02:21:11 AM 03/22/2025

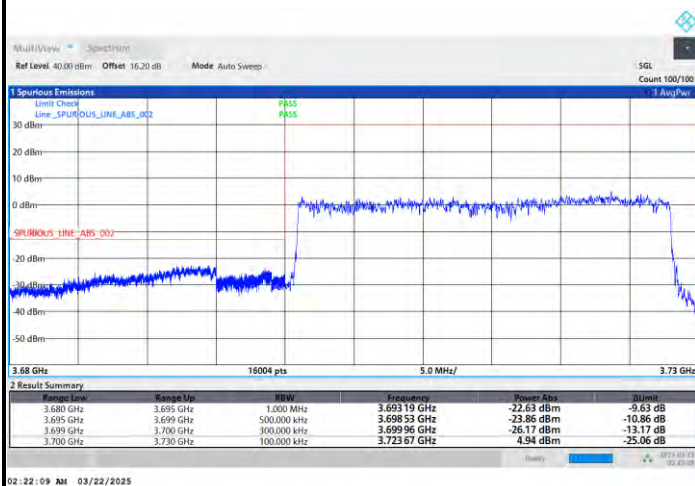
Highest Band Edge / Full RB



02:28:14 AM 03/22/2025

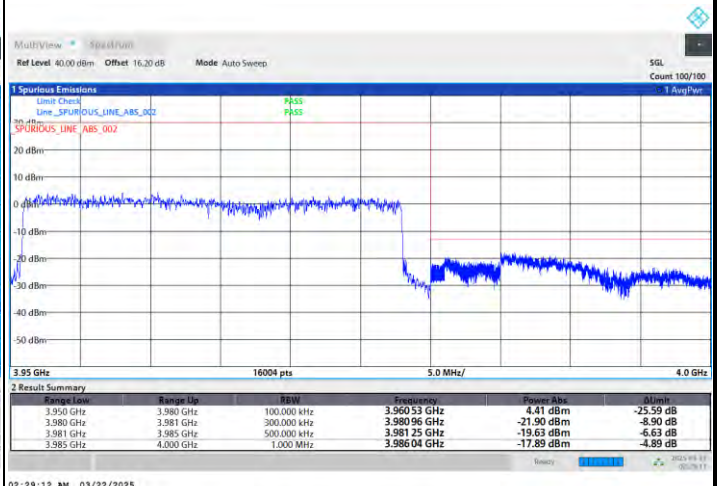
FR1 n77 / 30MHz / DFT-S OFDM / 64QAM

Lowest Band Edge / Full RB



02:22:09 AM 03/22/2025

Highest Band Edge / Full RB

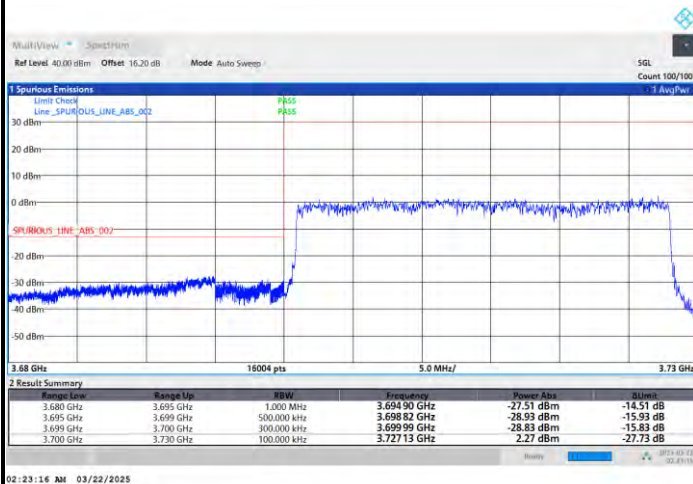


02:29:12 AM 03/22/2025



FR1 n77 / 30MHz / DFT-S OFDM / 256QAM

Lowest Band Edge / Full RB



02:23:16 AM 03/22/2025

Highest Band Edge / Full RB



02:30:13 AM 03/22/2025

FR1 n77 / 30MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge



02:24:19 AM 03/22/2025

Highest Band Edge

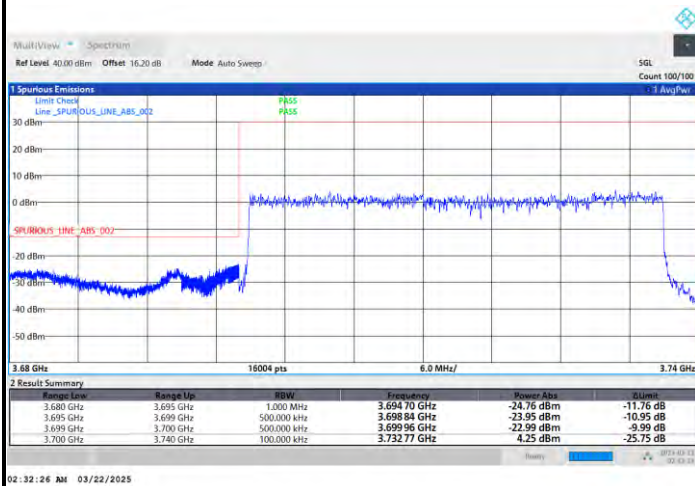


02:31:17 AM 03/22/2025



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

Lowest Band Edge / Full RB

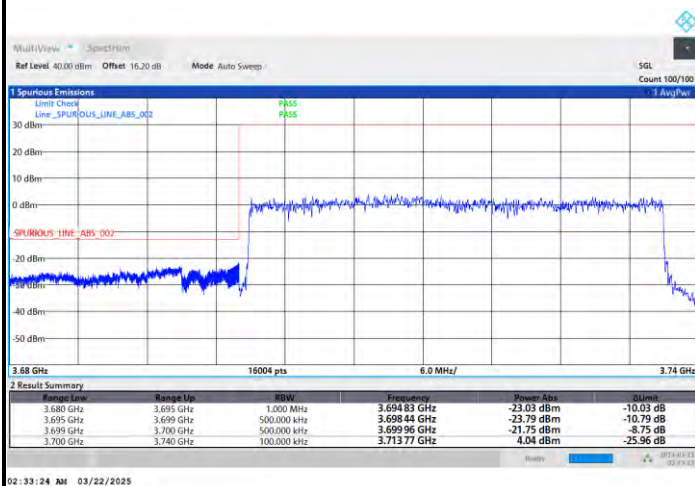


Highest Band Edge / Full RB



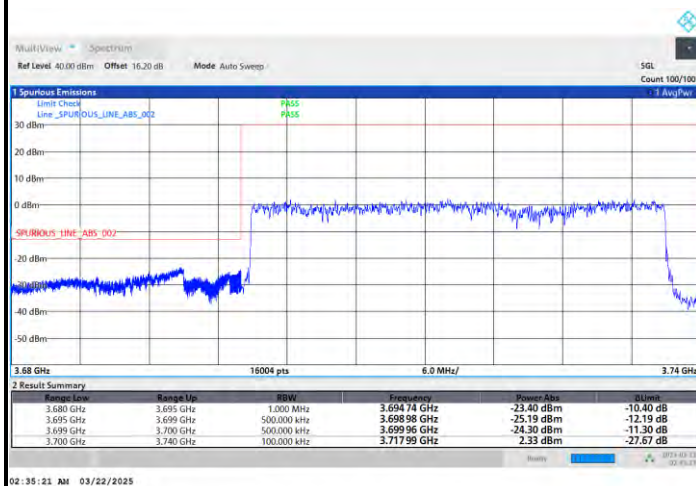
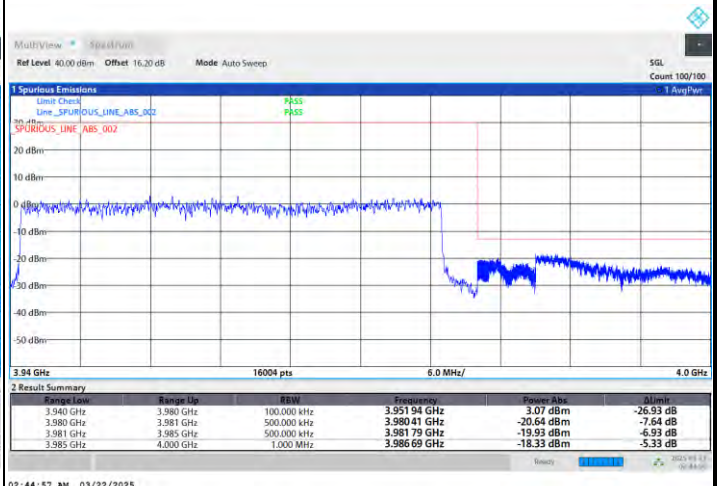
FR1 n77 / 40MHz / DFT-S OFDM / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

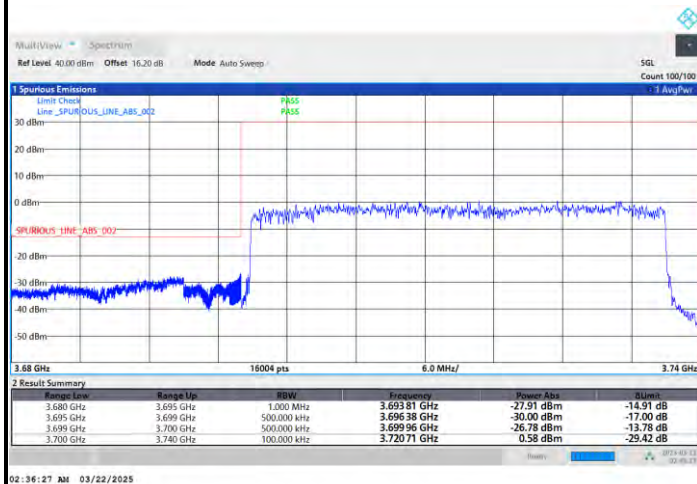


**FR1 n77 / 40MHz / DFT-S OFDM / 16QAM****Lowest Band Edge / Full RB****Highest Band Edge / Full RB****FR1 n77 / 40MHz / DFT-S OFDM / 64QAM****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**



FR1 n77 / 40MHz / DFT-S OFDM / 256QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

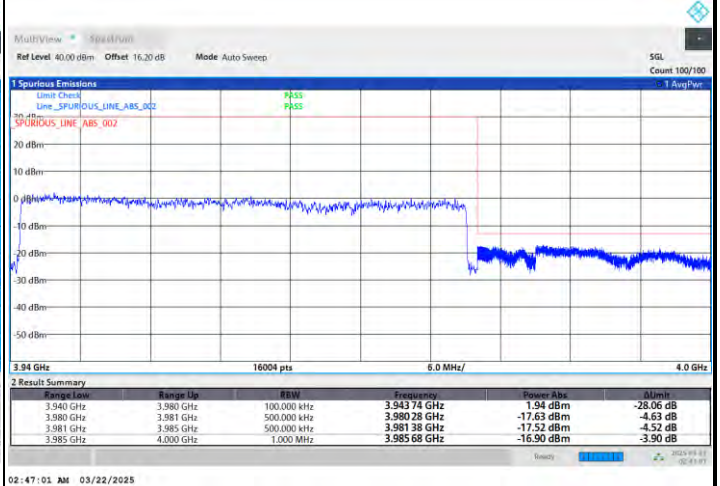


FR1 n77 / 40MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge



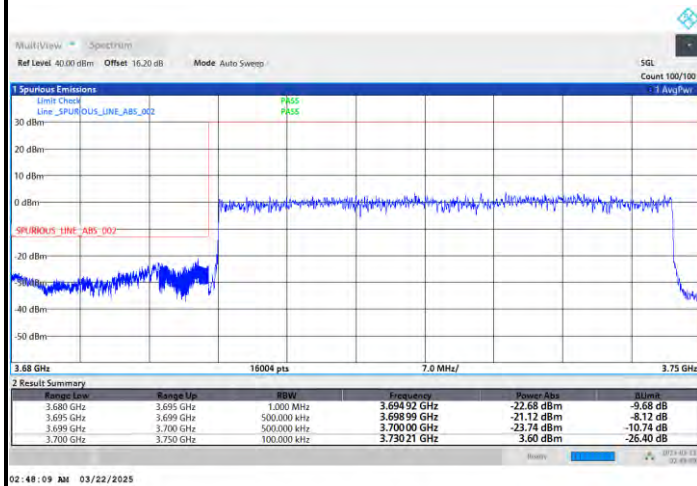
Highest Band Edge





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

Lowest Band Edge / Full RB



02:48:09 AM 03/22/2025

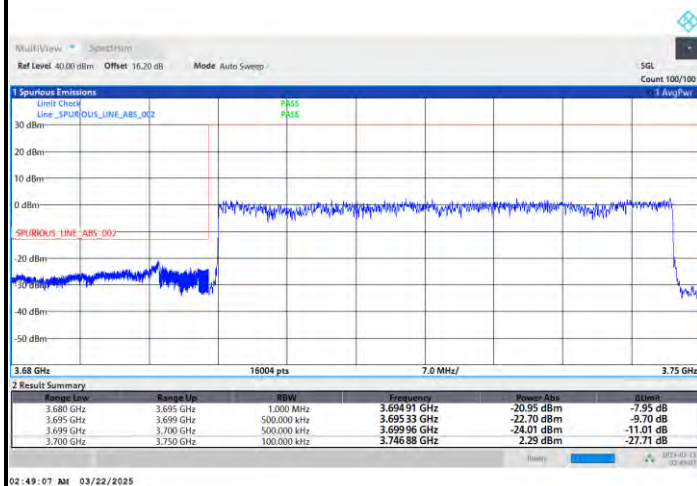
Highest Band Edge / Full RB



02:27:51 AM 03/24/2025

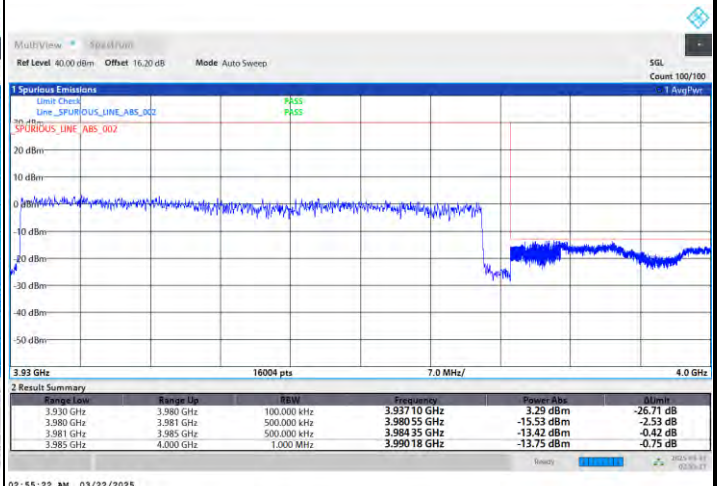
FR1 n77 / 50MHz / DFT-S OFDM / QPSK

Lowest Band Edge / Full RB



02:49:07 AM 03/22/2025

Highest Band Edge / Full RB

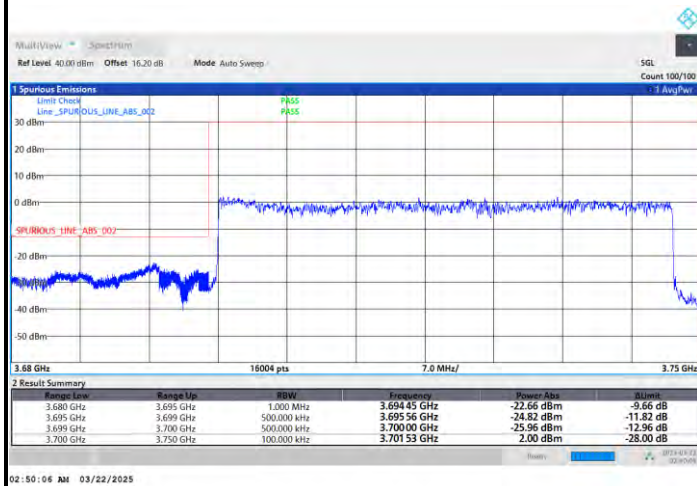


02:55:22 AM 03/22/2025



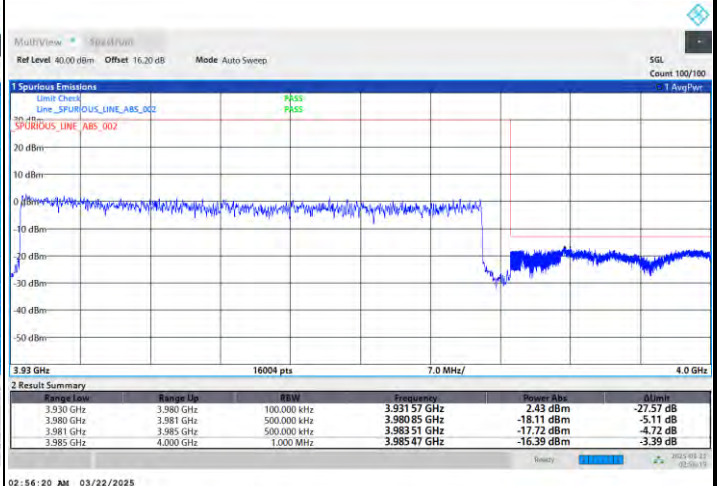
FR1 n77 / 50MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / Full RB



02:50:06 AM 03/22/2025

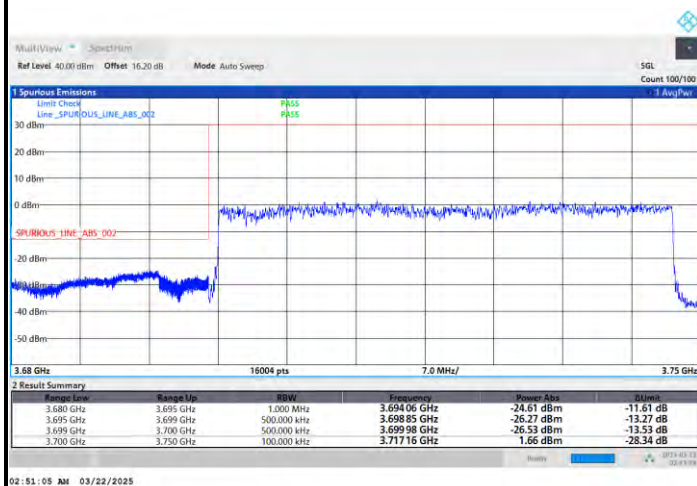
Highest Band Edge / Full RB



02:56:20 AM 03/22/2025

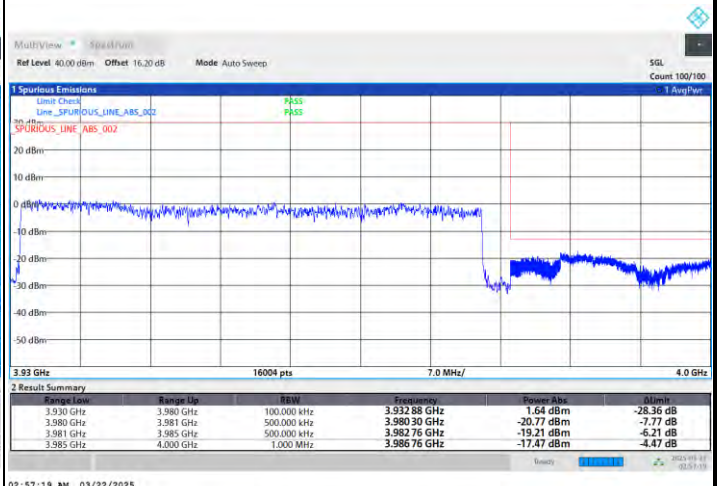
FR1 n77 / 50MHz / DFT-S OFDM / 64QAM

Lowest Band Edge / Full RB



02:51:05 AM 03/22/2025

Highest Band Edge / Full RB

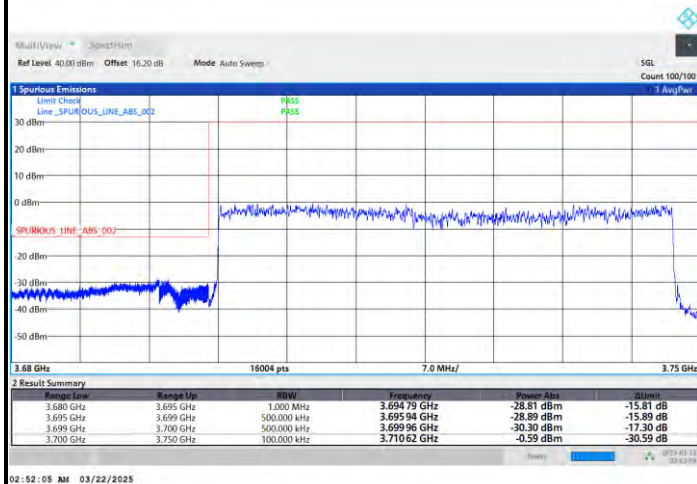


02:57:19 AM 03/22/2025



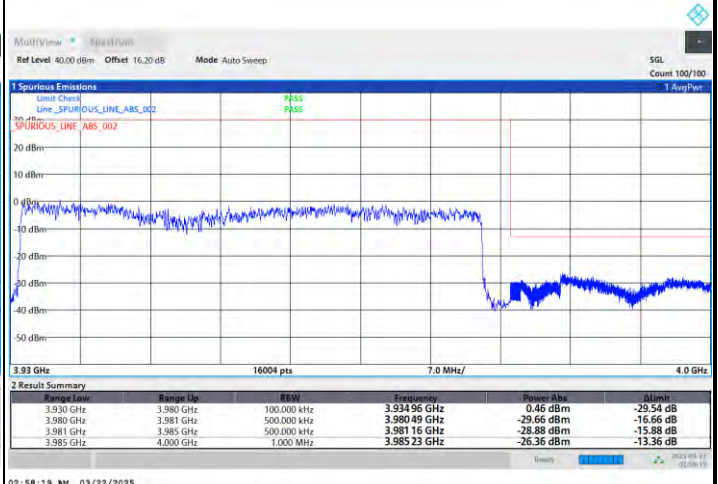
FR1 n77 / 50MHz / DFT-S OFDM / 256QAM

Lowest Band Edge / Full RB



02:52:05 AM 03/22/2025

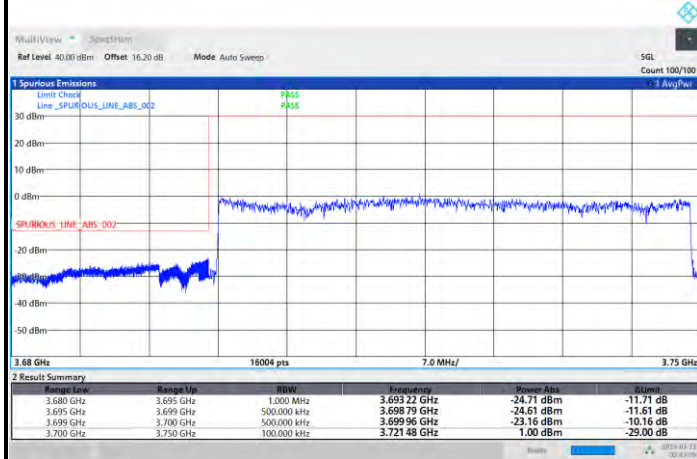
Highest Band Edge / Full RB



02:58:19 AM 03/22/2025

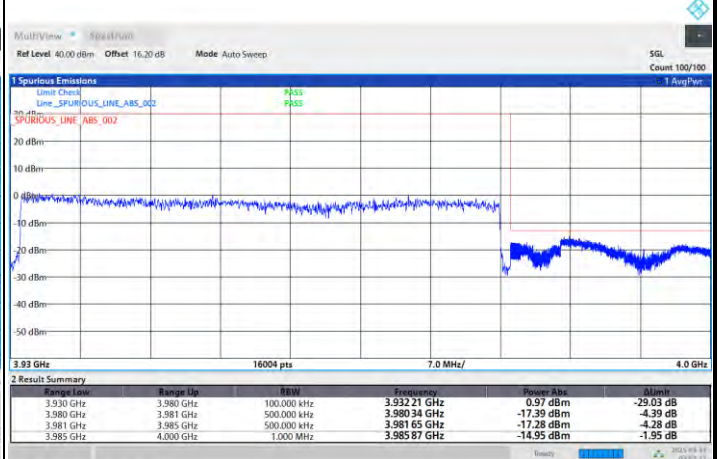
FR1 n77 / 50MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge



02:53:07 AM 03/22/2025

Highest Band Edge

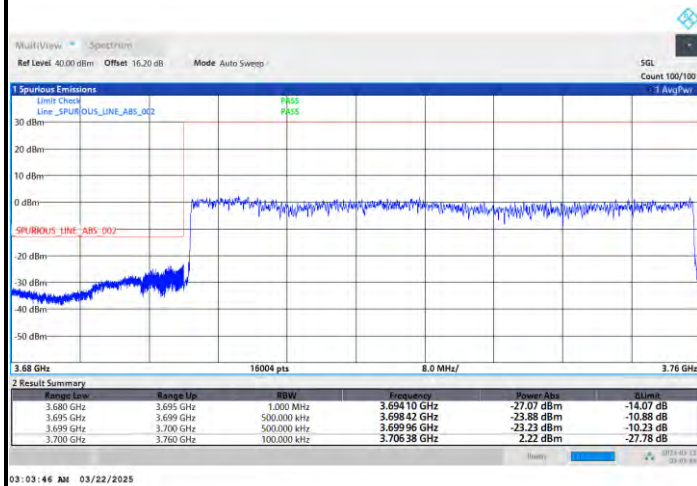


03:02:34 AM 03/22/2025



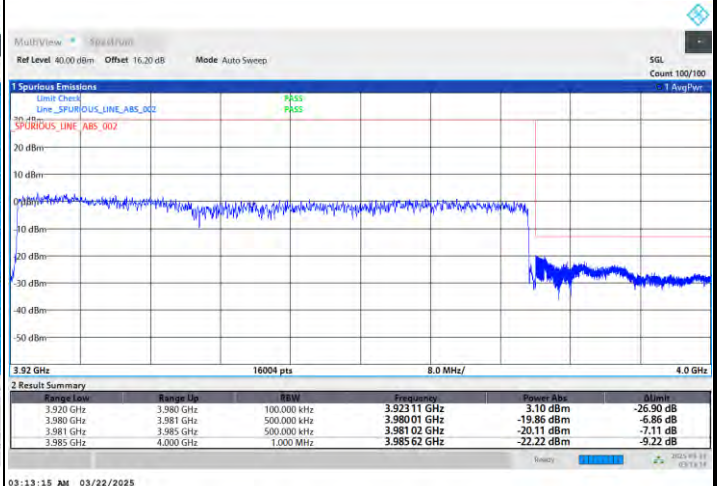
FR1 n77 / 60MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / Full RB



03:03:46 AM 03/22/2025

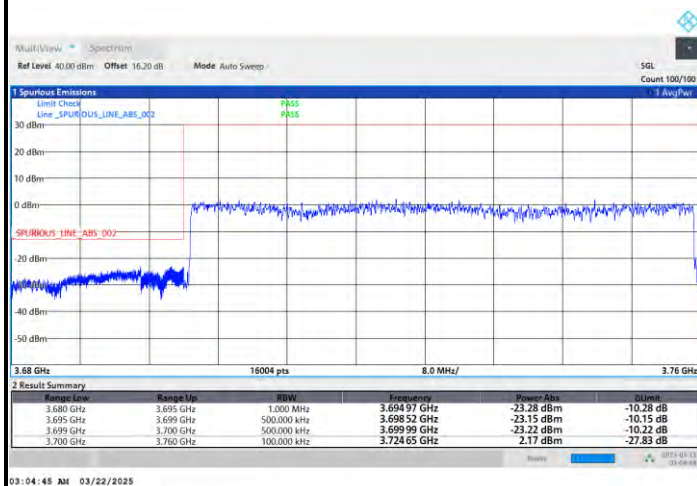
Highest Band Edge / Full RB



03:13:15 AM 03/22/2025

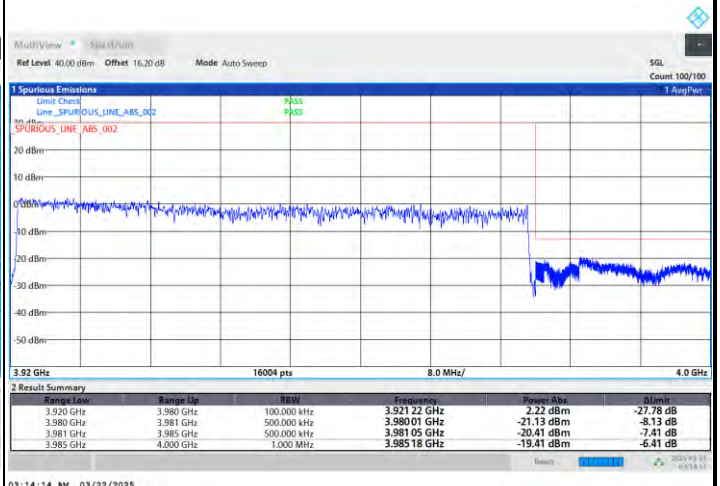
FR1 n77 / 60MHz / DFT-S OFDM / QPSK

Lowest Band Edge / Full RB



03:04:45 AM 03/22/2025

Highest Band Edge / Full RB

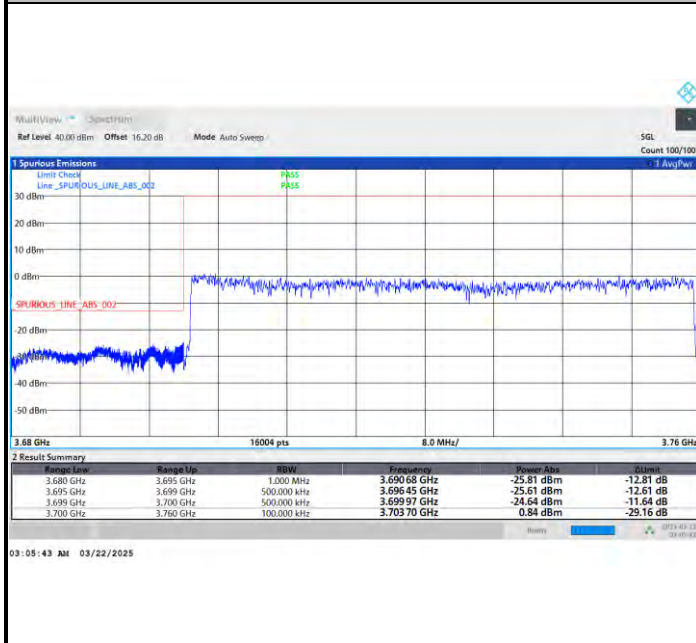


03:14:14 AM 03/22/2025

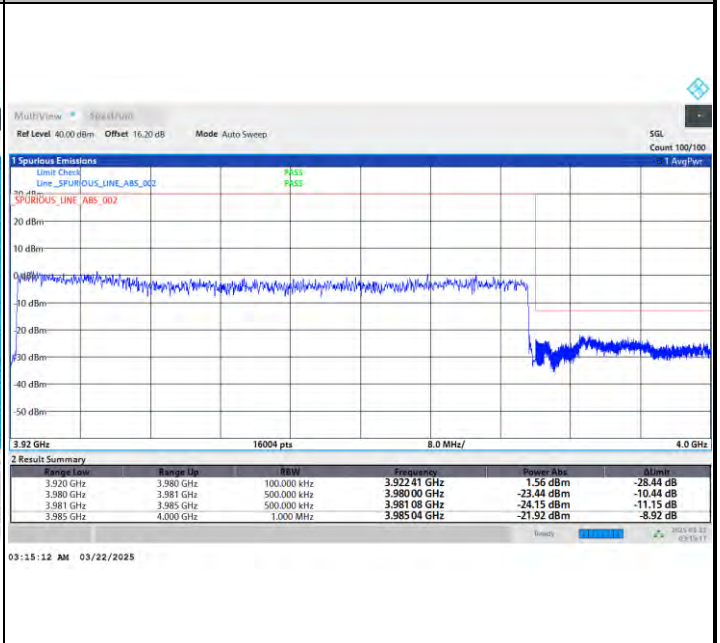


FR1 n77 / 60MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / Full RB

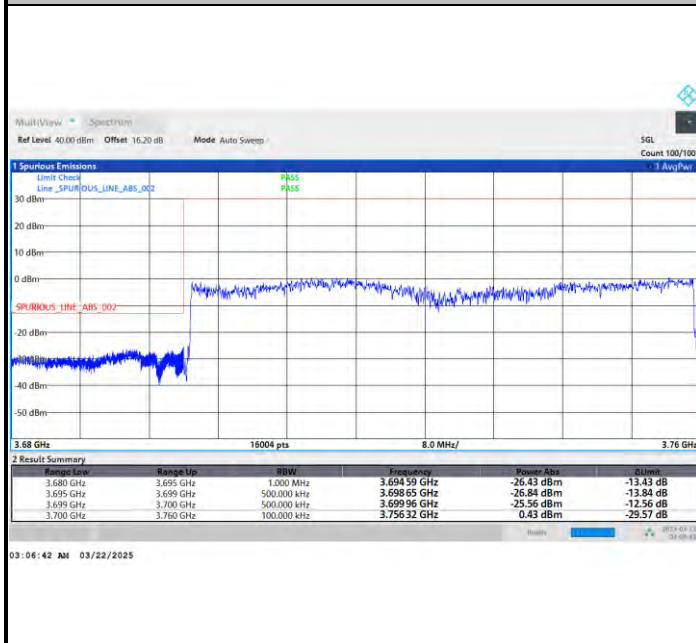


Highest Band Edge / Full RB



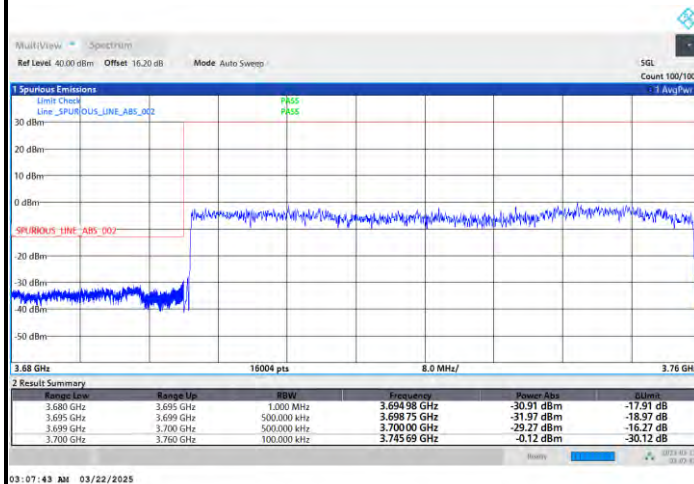
FR1 n77 / 60MHz / DFT-S OFDM / 64QAM

Lowest Band Edge / Full RB

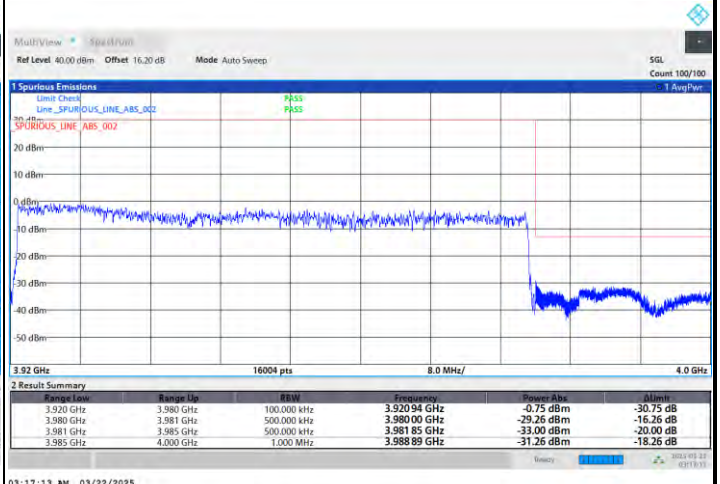


Highest Band Edge / Full RB

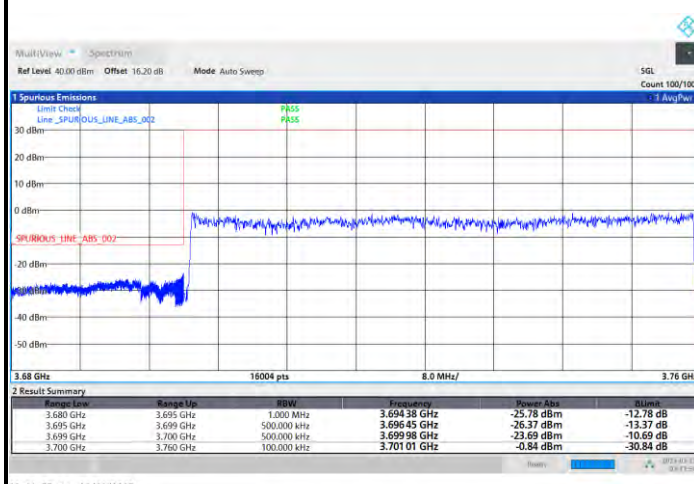


**FR1 n77 / 60MHz / DFT-S OFDM / 256QAM****Lowest Band Edge / Full RB**

03:07:43 AM 03/22/2025

Highest Band Edge / Full RB

03:17:13 AM 03/22/2025

FR1 n77 / 60MHz / CP OFDM / QPSK / Full RB**Lowest Band Edge**

03:11:57 AM 03/22/2025

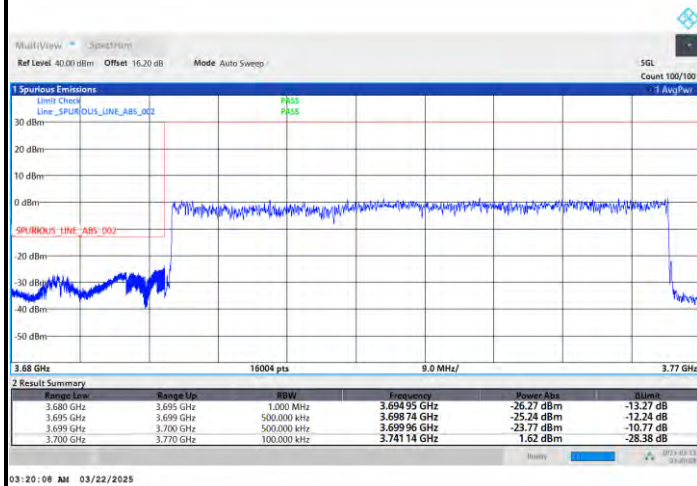
Highest Band Edge

03:18:55 AM 03/22/2025



FR1 n77 / 70MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / Full RB



03:20:08 AM 03/22/2025

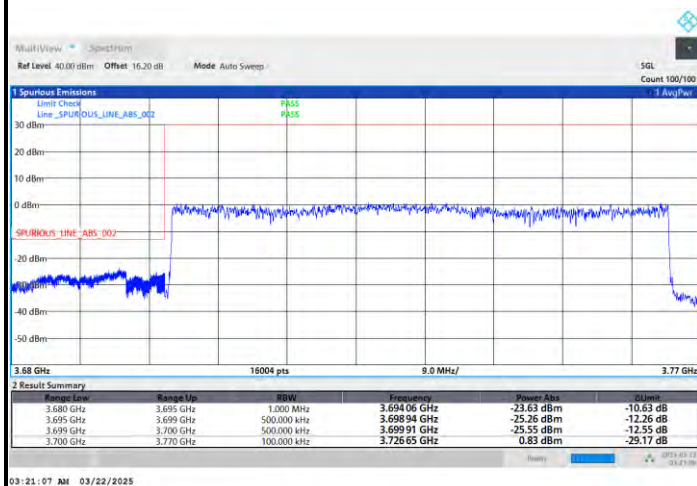
Highest Band Edge / Full RB



03:26:40 AM 03/22/2025

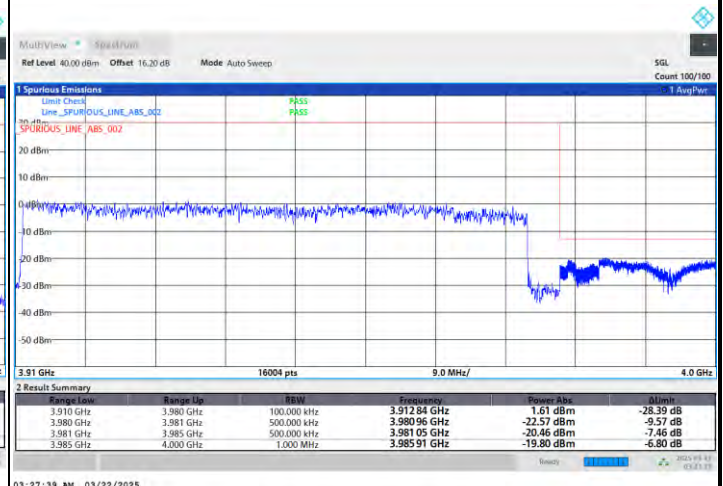
FR1 n77 / 70MHz / DFT-S OFDM / QPSK

Lowest Band Edge / Full RB



03:21:07 AM 03/22/2025

Highest Band Edge / Full RB



03:27:39 AM 03/22/2025

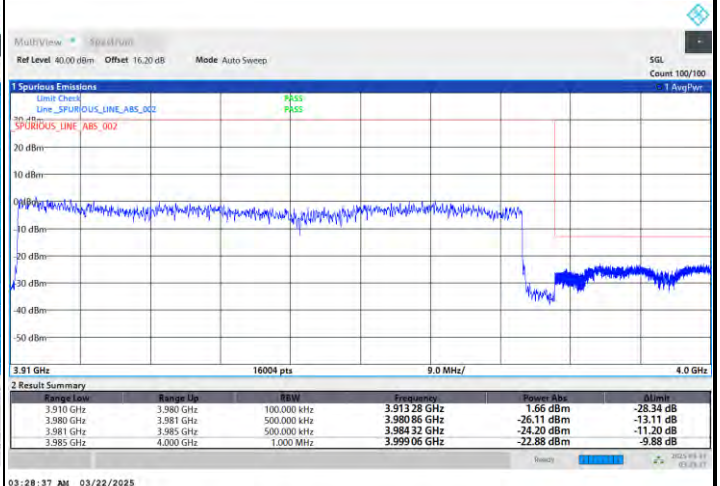


FR1 n77 / 70MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / Full RB

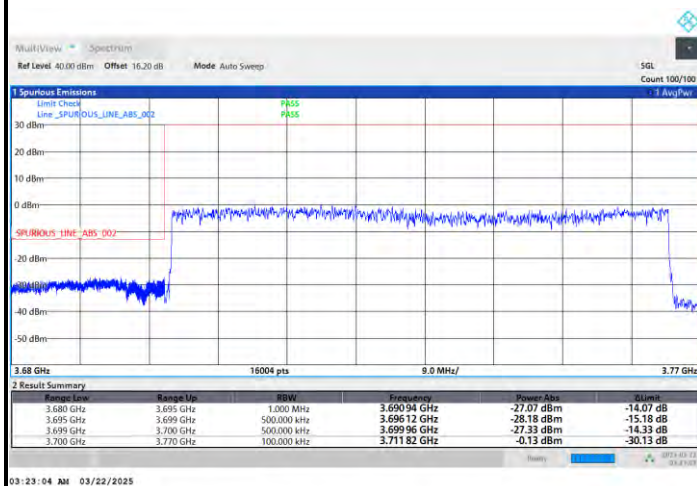


Highest Band Edge / Full RB

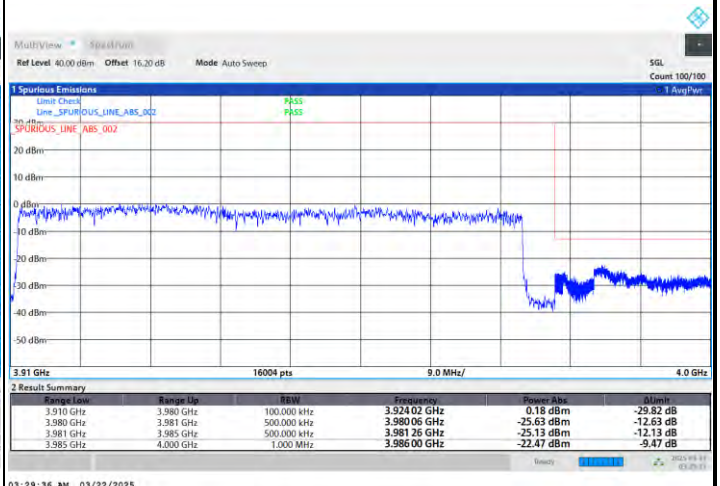


FR1 n77 / 70MHz / DFT-S OFDM / 64QAM

Lowest Band Edge / Full RB

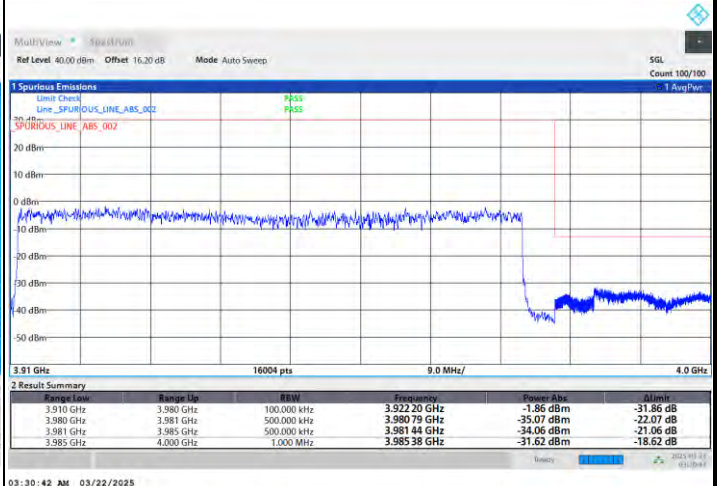


Highest Band Edge / Full RB

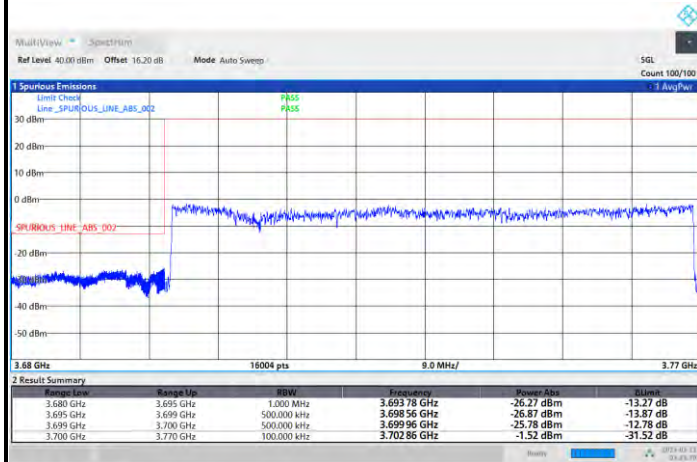


**FR1 n77 / 70MHz / DFT-S OFDM / 256QAM****Lowest Band Edge / Full RB**

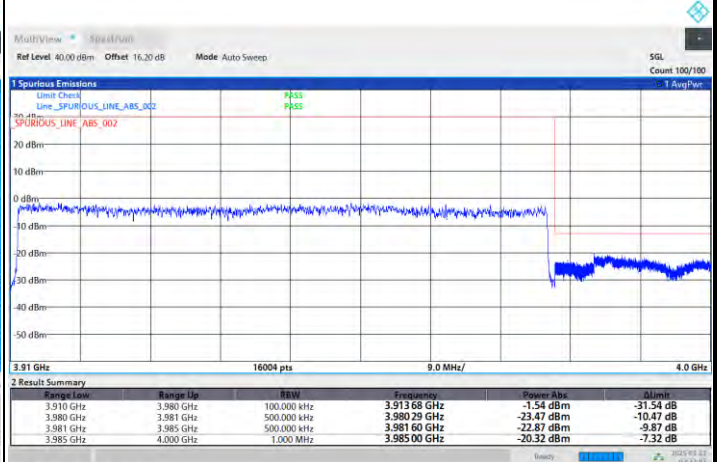
03:24:10 AM 03/22/2025

Highest Band Edge / Full RB

03:30:42 AM 03/22/2025

FR1 n77 / 70MHz / CP OFDM / QPSK / Full RB**Lowest Band Edge**

03:25:31 AM 03/22/2025

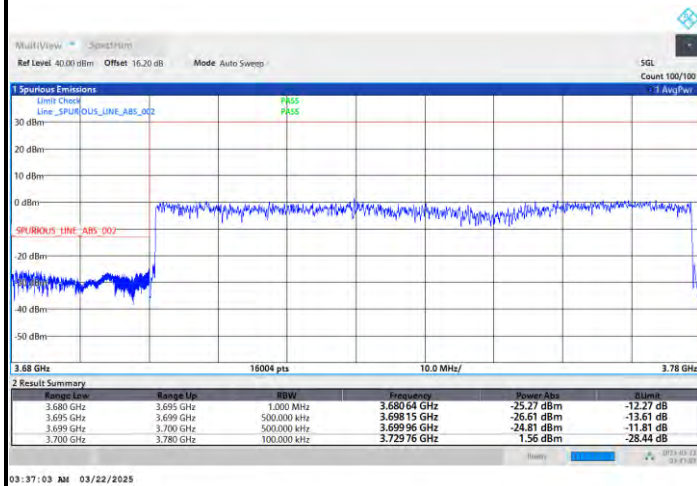
Highest Band Edge

03:32:04 AM 03/22/2025

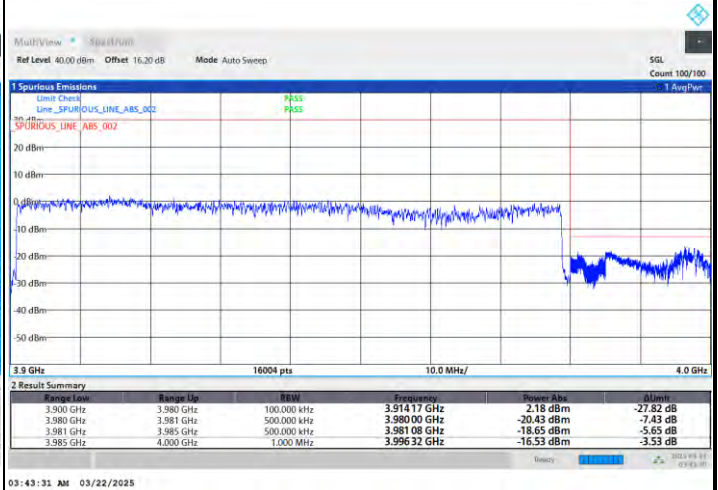


FR1 n77 / 80MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

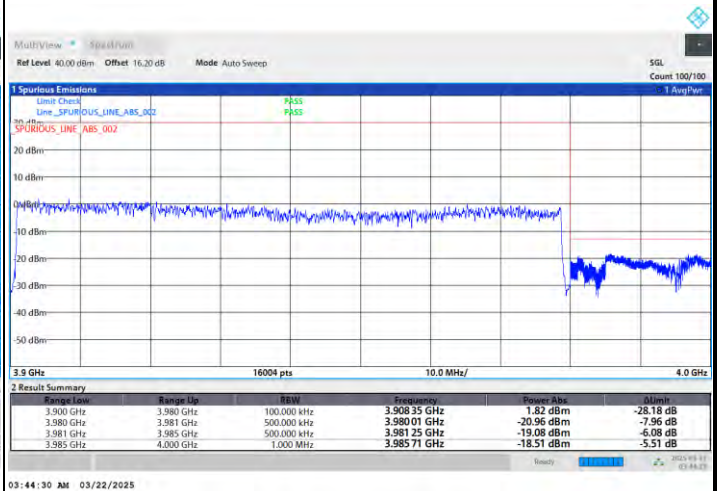


FR1 n77 / 80MHz / DFT-S OFDM / QPSK

Lowest Band Edge / Full RB



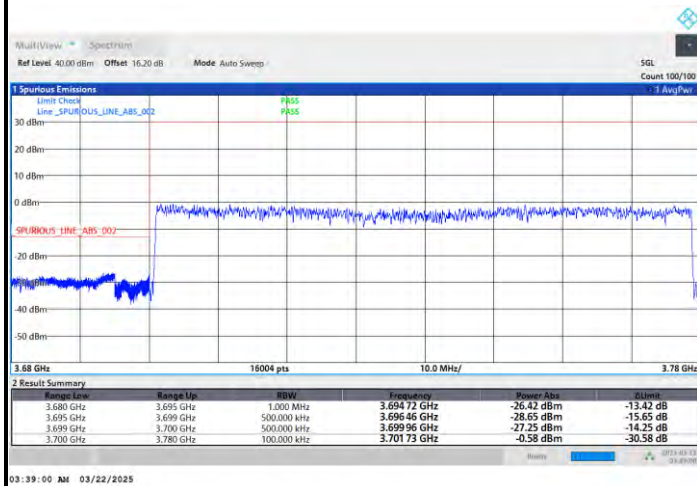
Highest Band Edge / Full RB



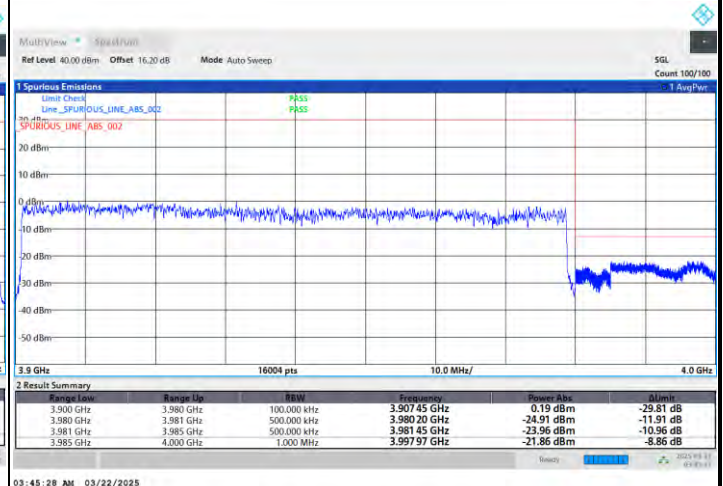


FR1 n77 / 80MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / Full RB

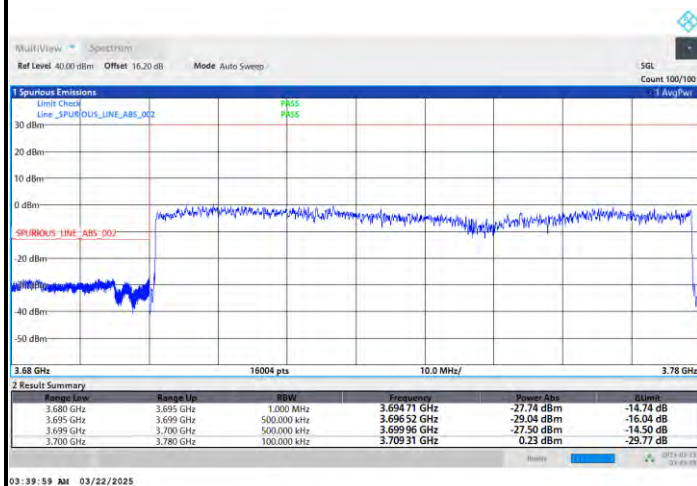


Highest Band Edge / Full RB



FR1 n77 / 80MHz / DFT-S OFDM / 64QAM

Lowest Band Edge / Full RB



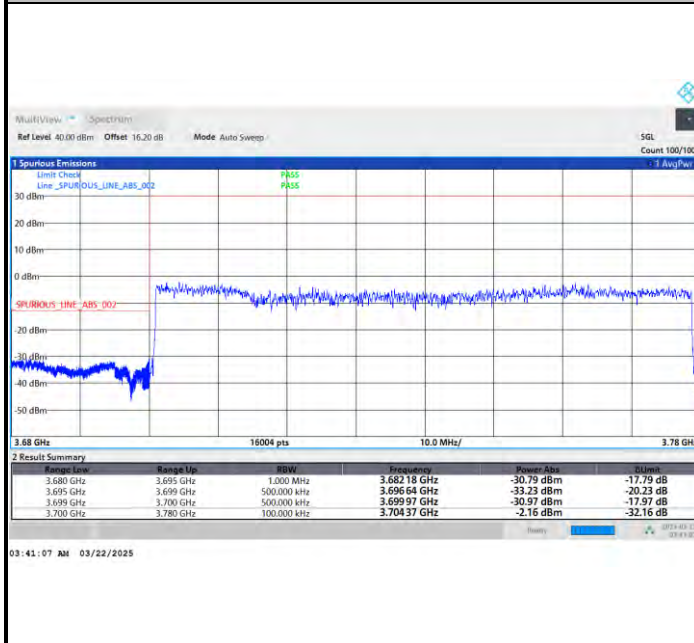
Highest Band Edge / Full RB



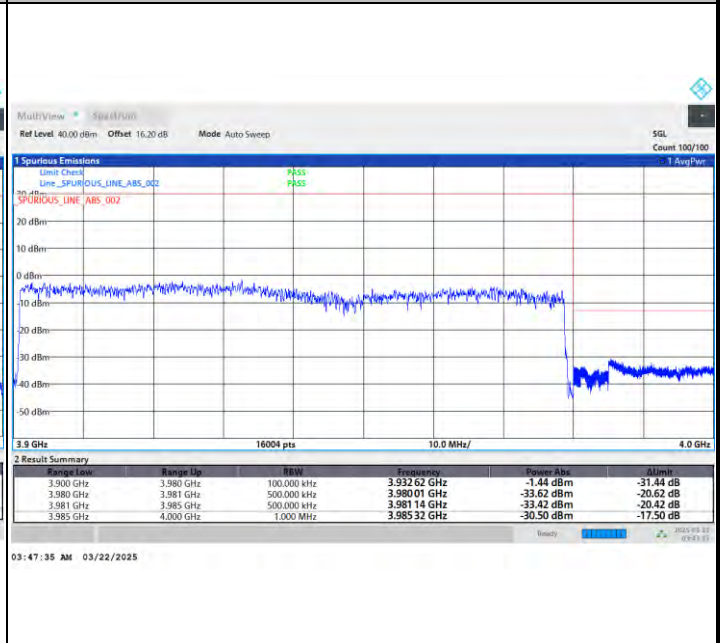


FR1 n77 / 80MHz / DFT-S OFDM / 256QAM

Lowest Band Edge / Full RB

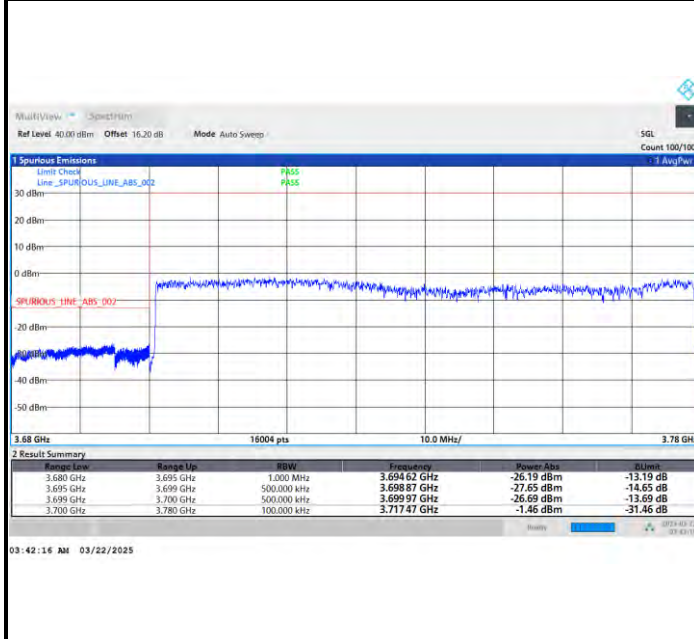


Highest Band Edge / Full RB

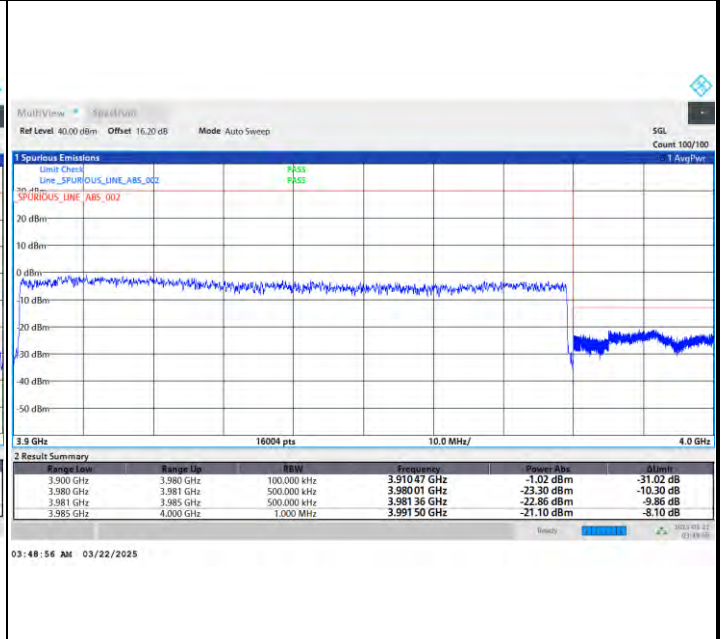


FR1 n77 / 80MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge



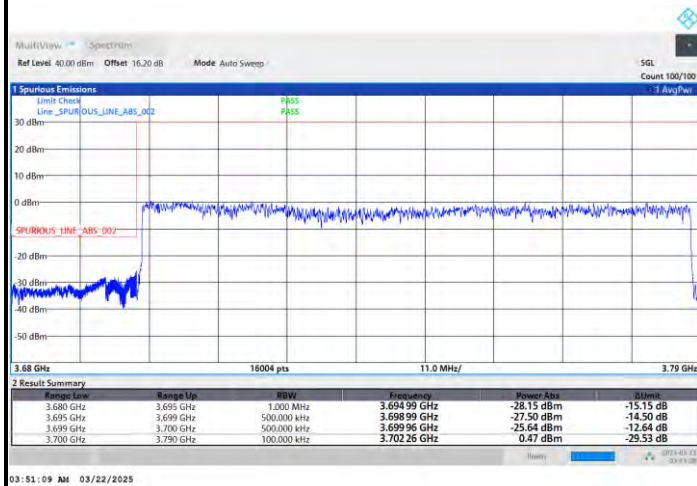
Highest Band Edge



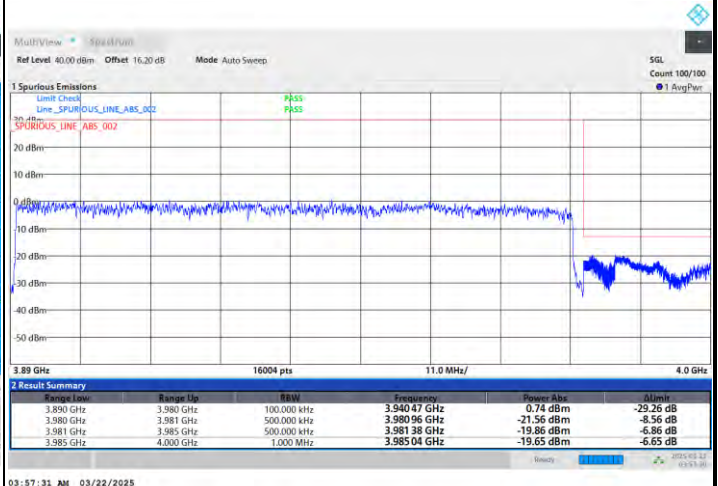


FR1 n77 / 90MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

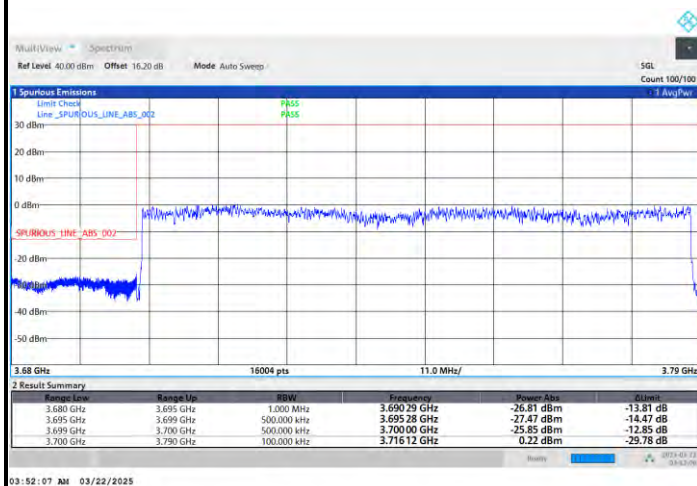


Highest Band Edge / Full RB

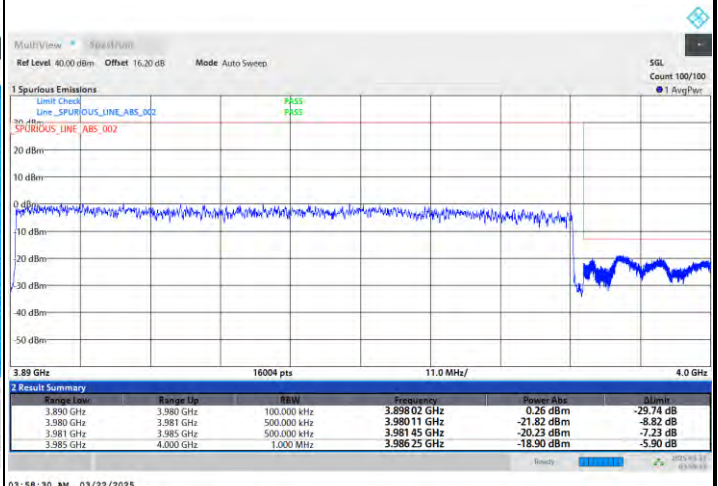


FR1 n77 / 90MHz / DFT-S OFDM / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB



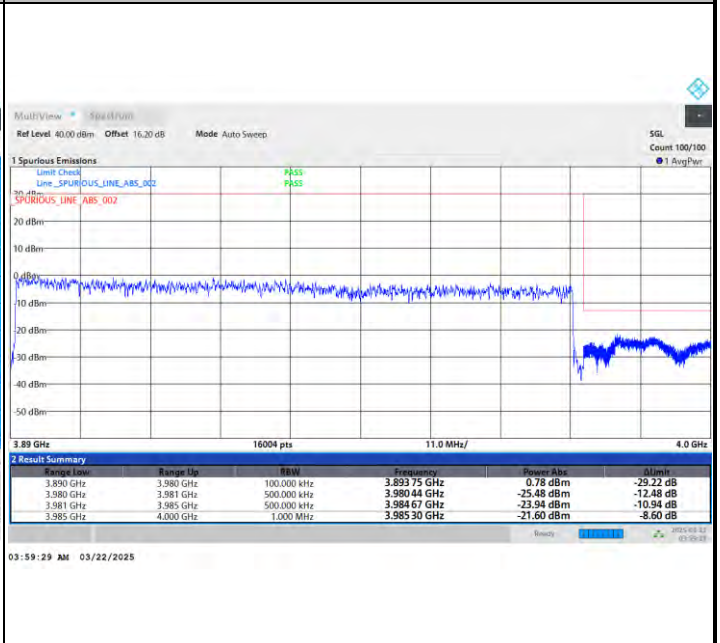


FR1 n77 / 90MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / Full RB

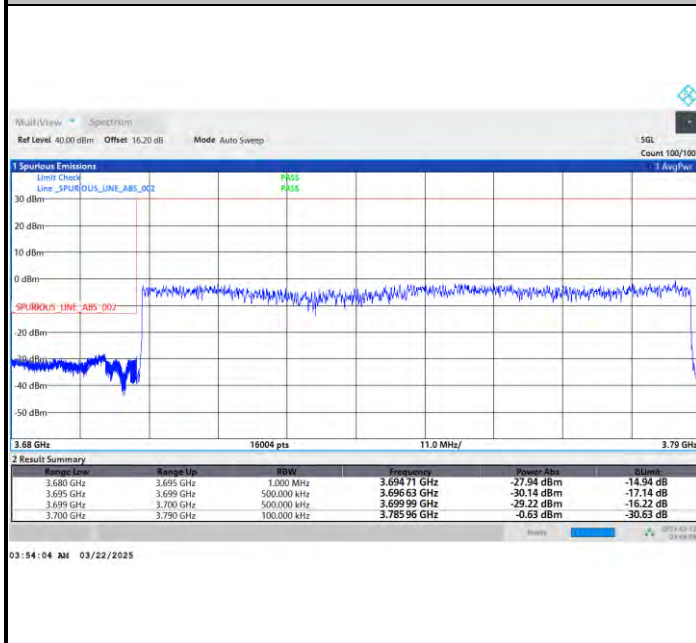


Highest Band Edge / Full RB

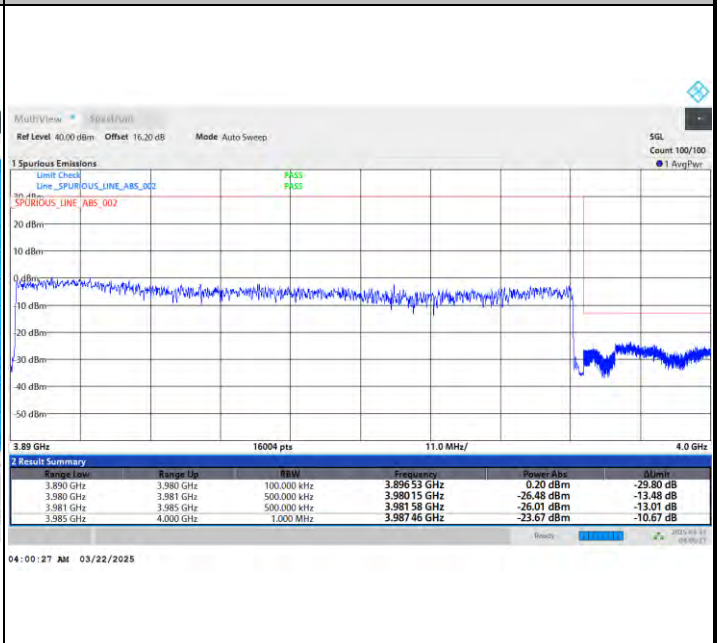


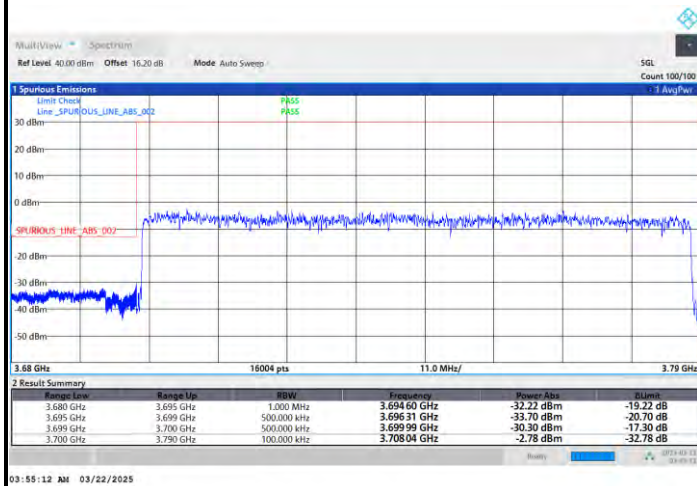
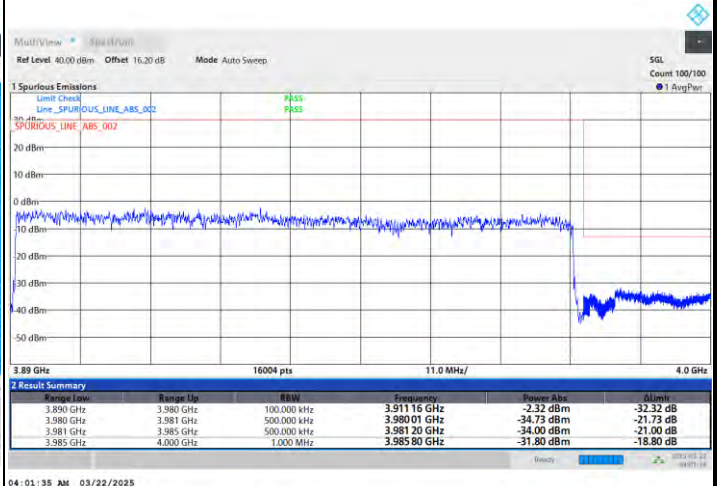
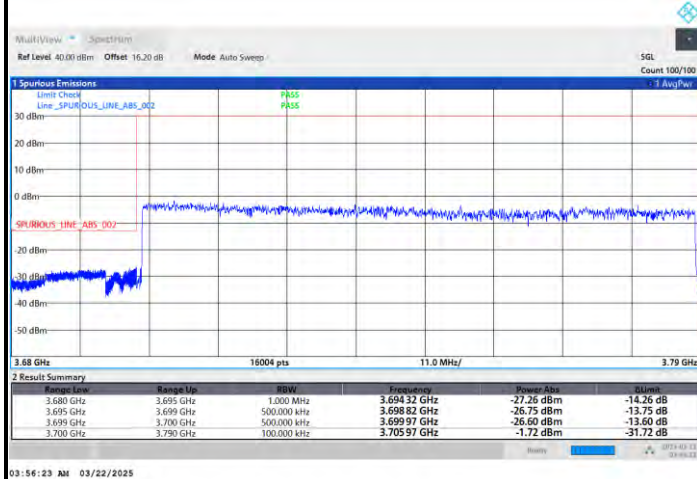
FR1 n77 / 90MHz / DFT-S OFDM / 64QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

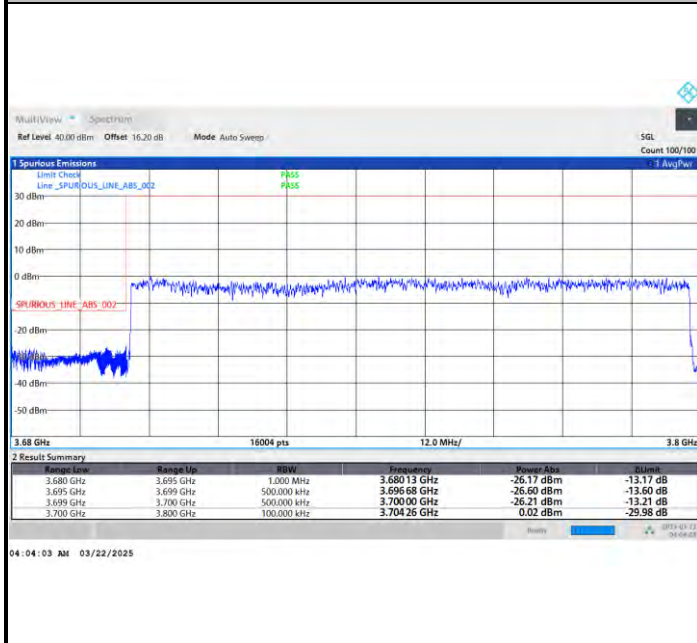


**FR1 n77 / 90MHz / DFT-S OFDM / 256QAM****Lowest Band Edge / Full RB****Highest Band Edge / Full RB****FR1 n77 / 90MHz / CP OFDM / QPSK / Full RB****Lowest Band Edge****Highest Band Edge**

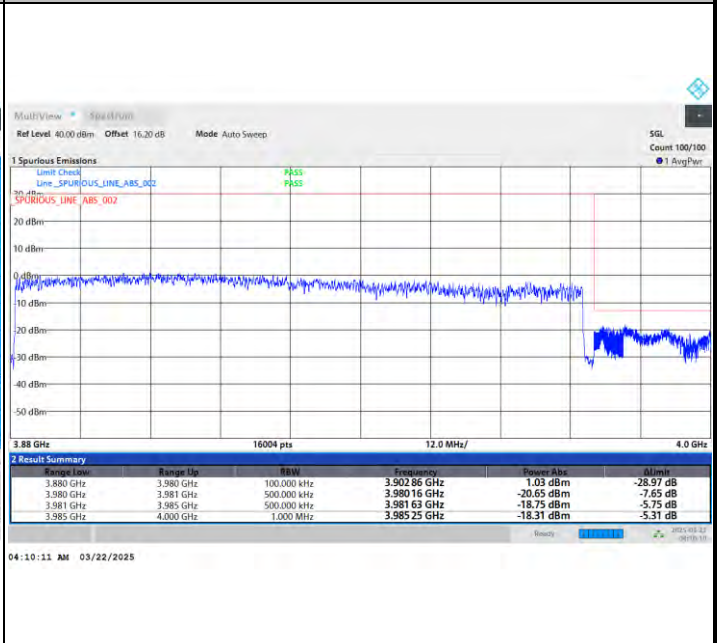


FR1 n77 / 100MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

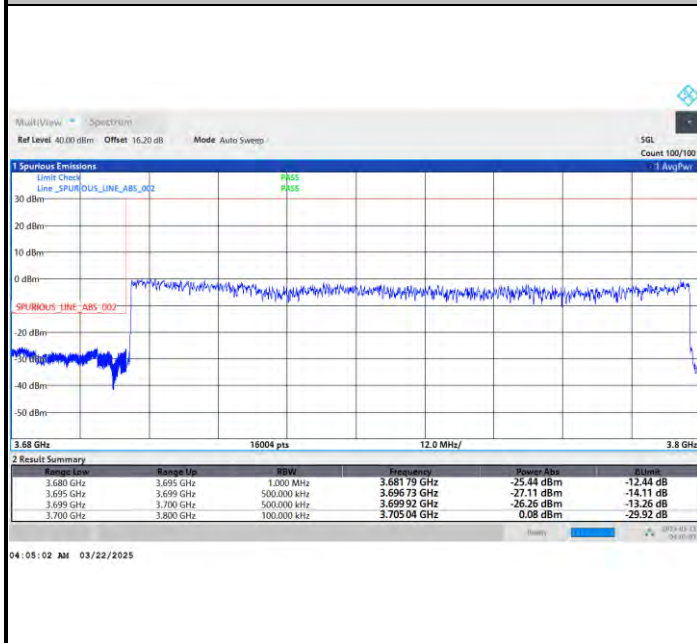


Highest Band Edge / Full RB



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

Lowest Band Edge / Full RB



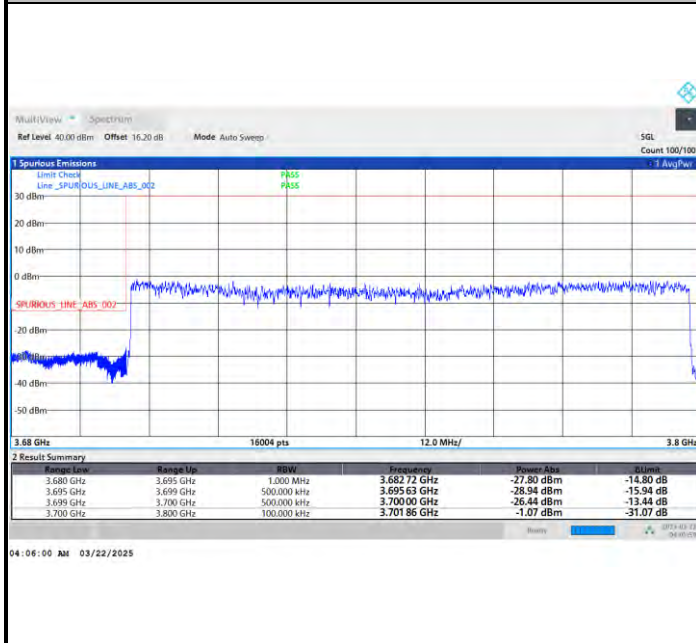
Highest Band Edge / Full RB



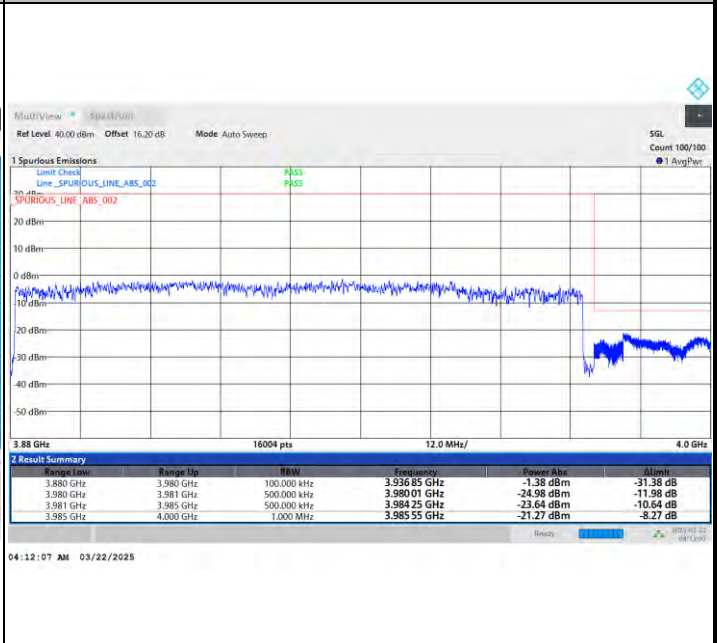


FR1 n77 / 100MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / Full RB

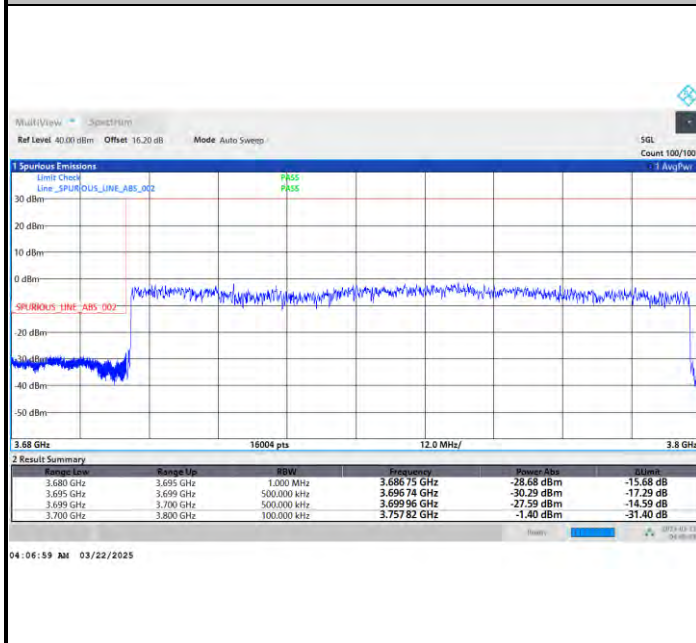


Highest Band Edge / Full RB

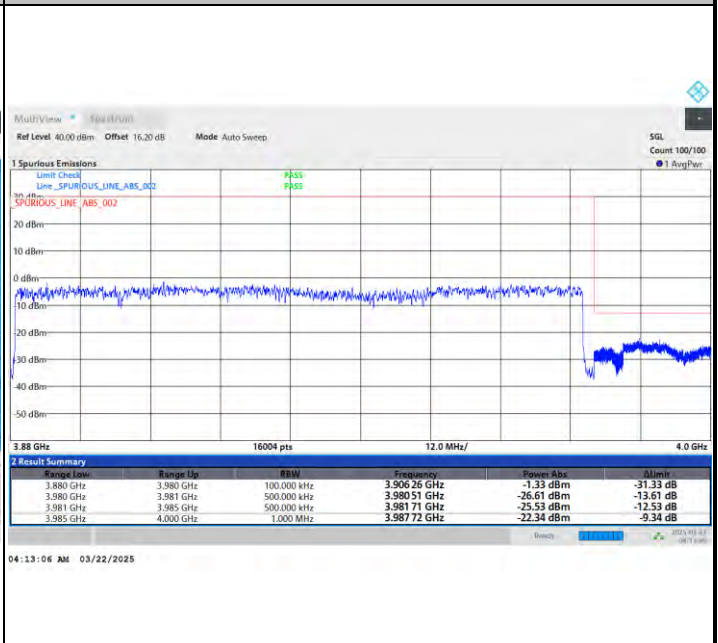


FR1 n77 / 100MHz / DFT-S OFDM / 64QAM

Lowest Band Edge / Full RB



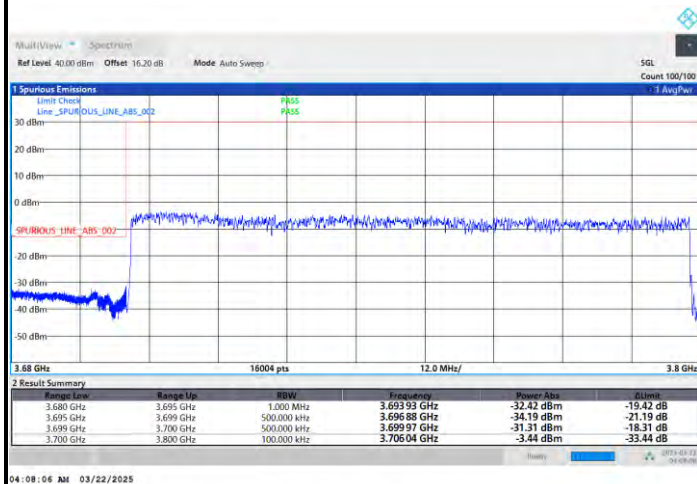
Highest Band Edge / Full RB





FR1 n77 / 100MHz / DFT-S OFDM / 256QAM

Lowest Band Edge / Full RB

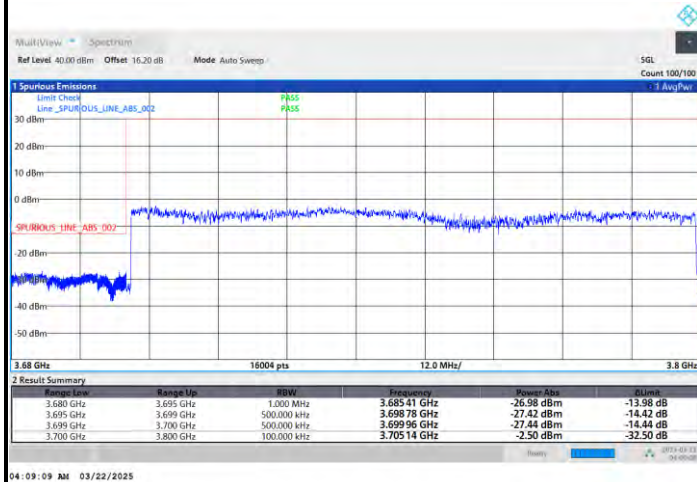


Highest Band Edge / Full RB

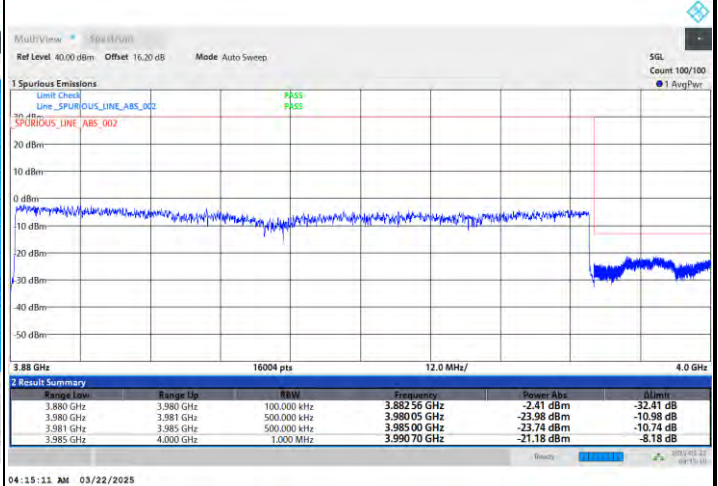


FR1 n77 / 100MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge



Highest Band Edge

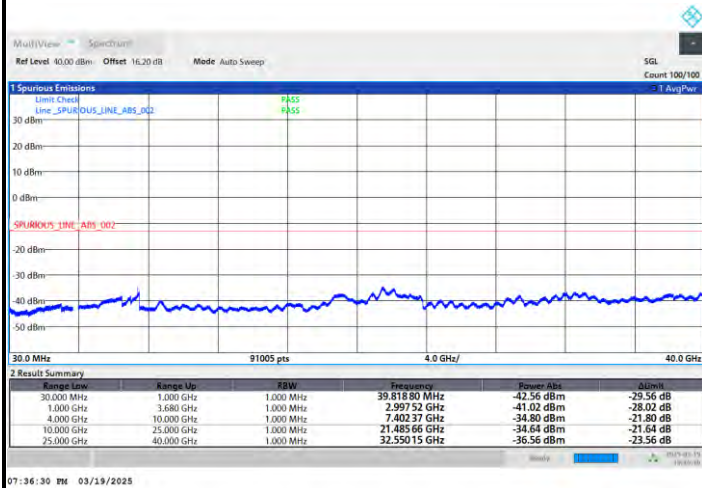




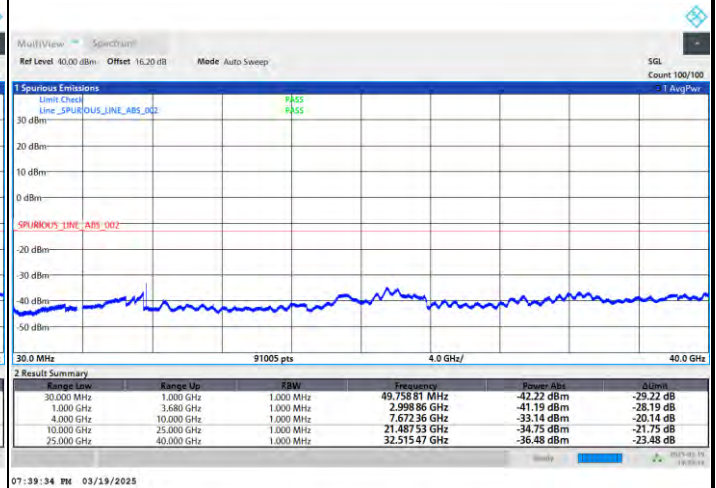
Conducted Spurious Emission

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

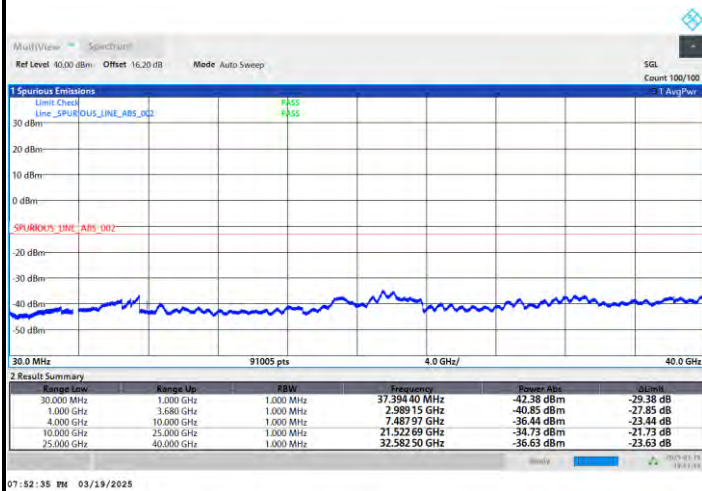
Lowest Channel



Middle Channel



Highest Channel



Frequency Stability

Test Conditions		FR1 n77 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0010	PASS
40	Normal Voltage	0.0000	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0030	
-20	Normal Voltage	0.0012	
-30	Normal Voltage	0.0022	
20	Maximum Voltage	0.0010	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0013	

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.

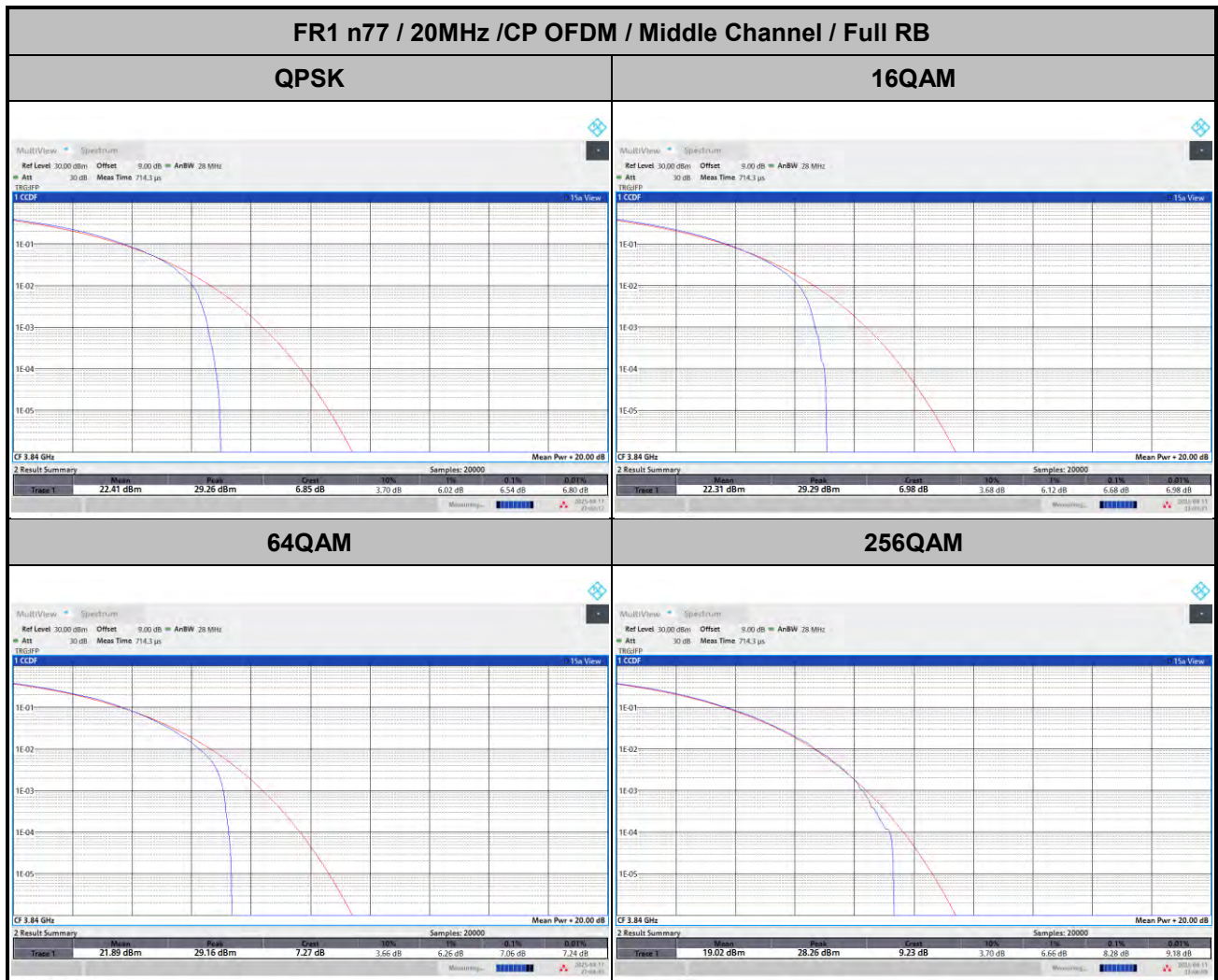


<MIMO Mode>

MIMO <Ant. 5+7> (Ant. 5)

Peak-to-Average Ratio

Mode	FR1 n77 / 20MHz / CP OFDM				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	6.54	6.68	7.06	8.28	PASS



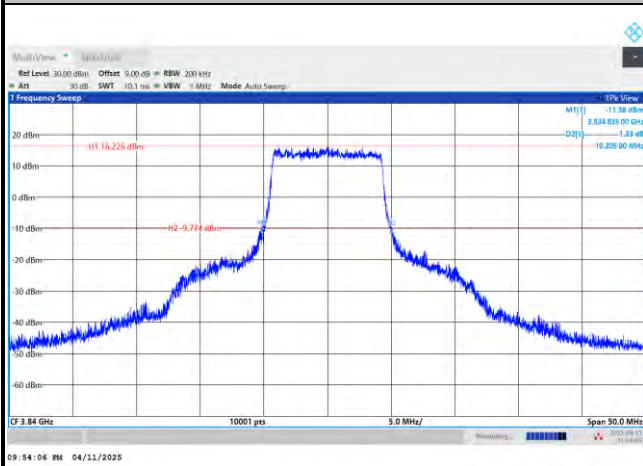
**26dB Bandwidth**

Mode	FR1 n77 : 26dB BW(MHz) / CP OFDM							
BW	10MHz		15MHz		20MHz		25MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	10.20	10.20	15.39	15.45	20.41	20.41	25.37	25.40
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	10.26	10.03	15.50	15.39	20.25	20.22	25.21	25.39
BW	30MHz		40MHz		50MHz		60MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	30.78	31.00	40.94	40.94	50.67	50.93	62.86	62.95
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	30.93	30.83	40.90	41.05	50.86	50.70	64.30	62.65
BW	70MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	72.76	72.74	80.95	80.82	92.71	92.69	103.01	102.74
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	73.74	72.31	80.88	80.71	92.92	92.77	102.87	102.51

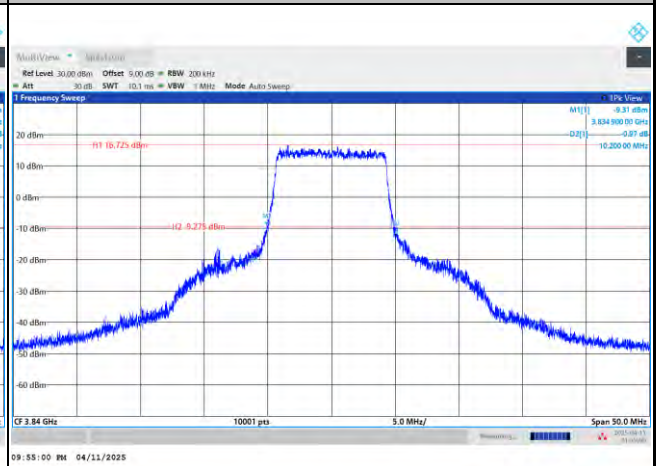


FR1 n77 / 10MHz / CP OFDM / Middle Channel / Full RB

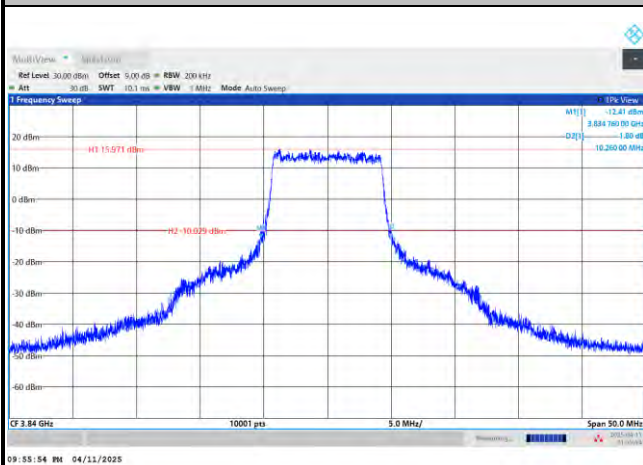
QPSK



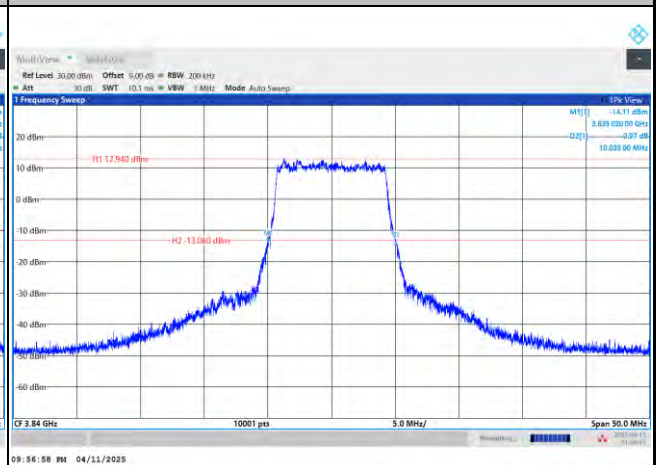
16QAM

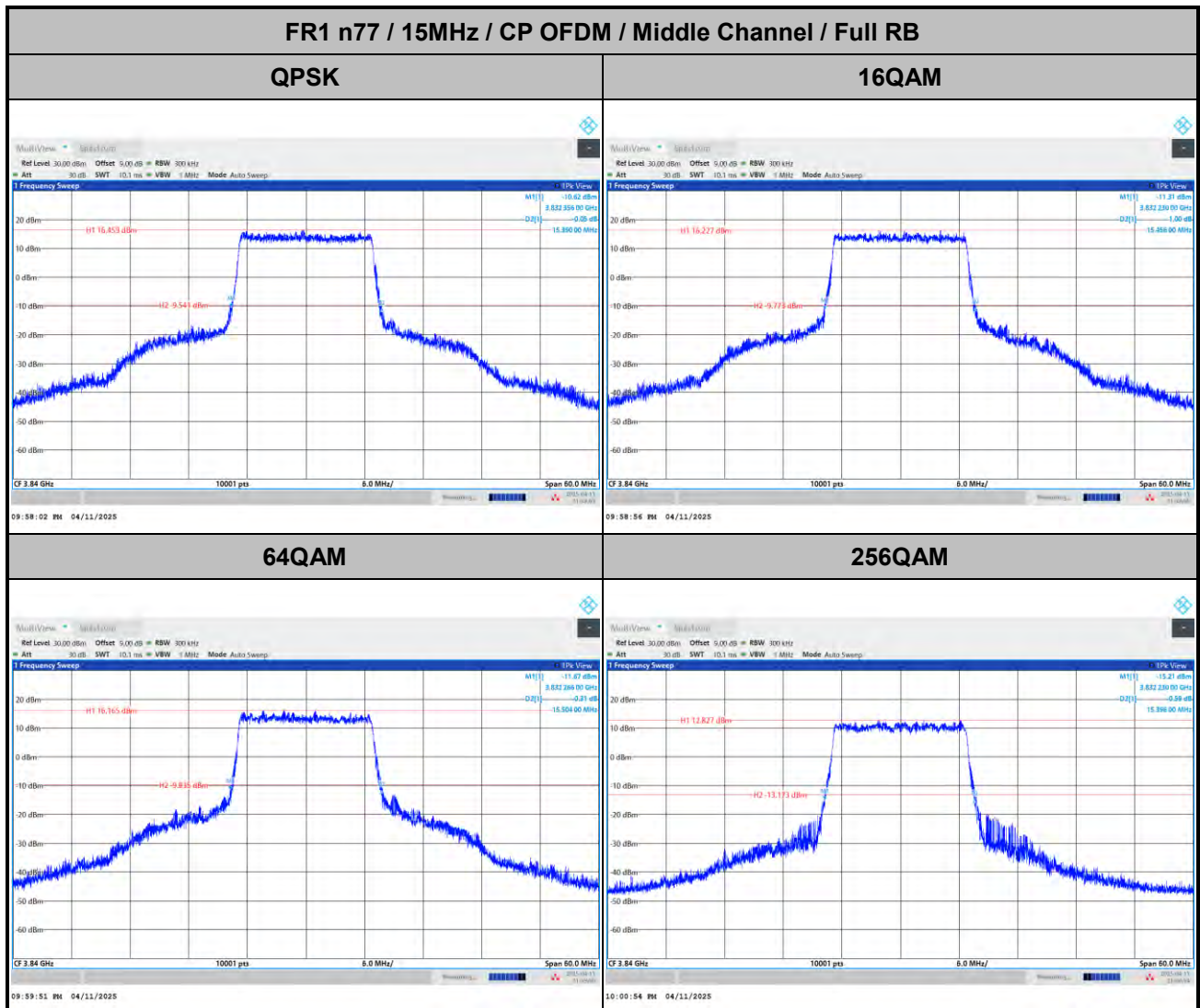


64QAM



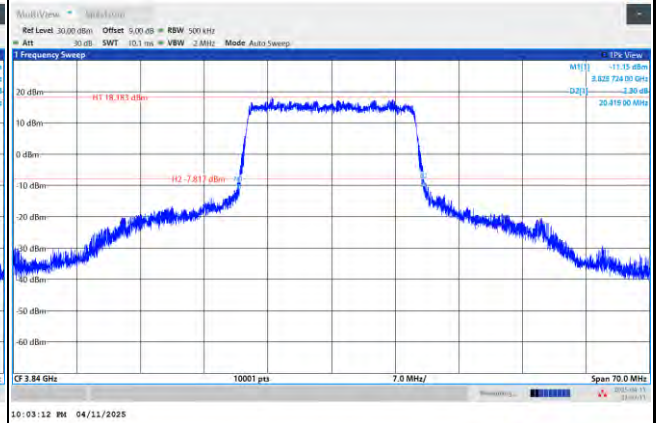
256QAM



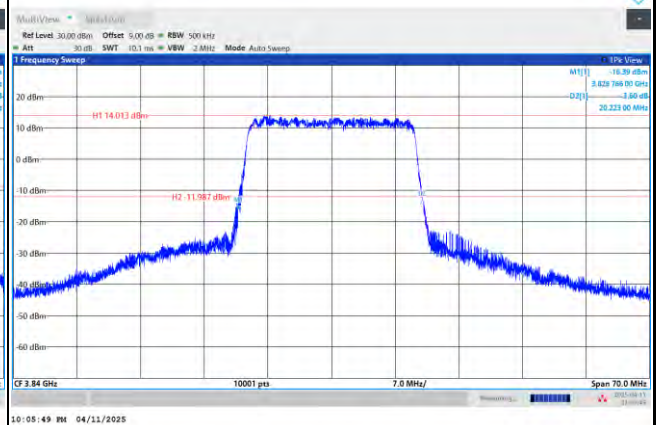


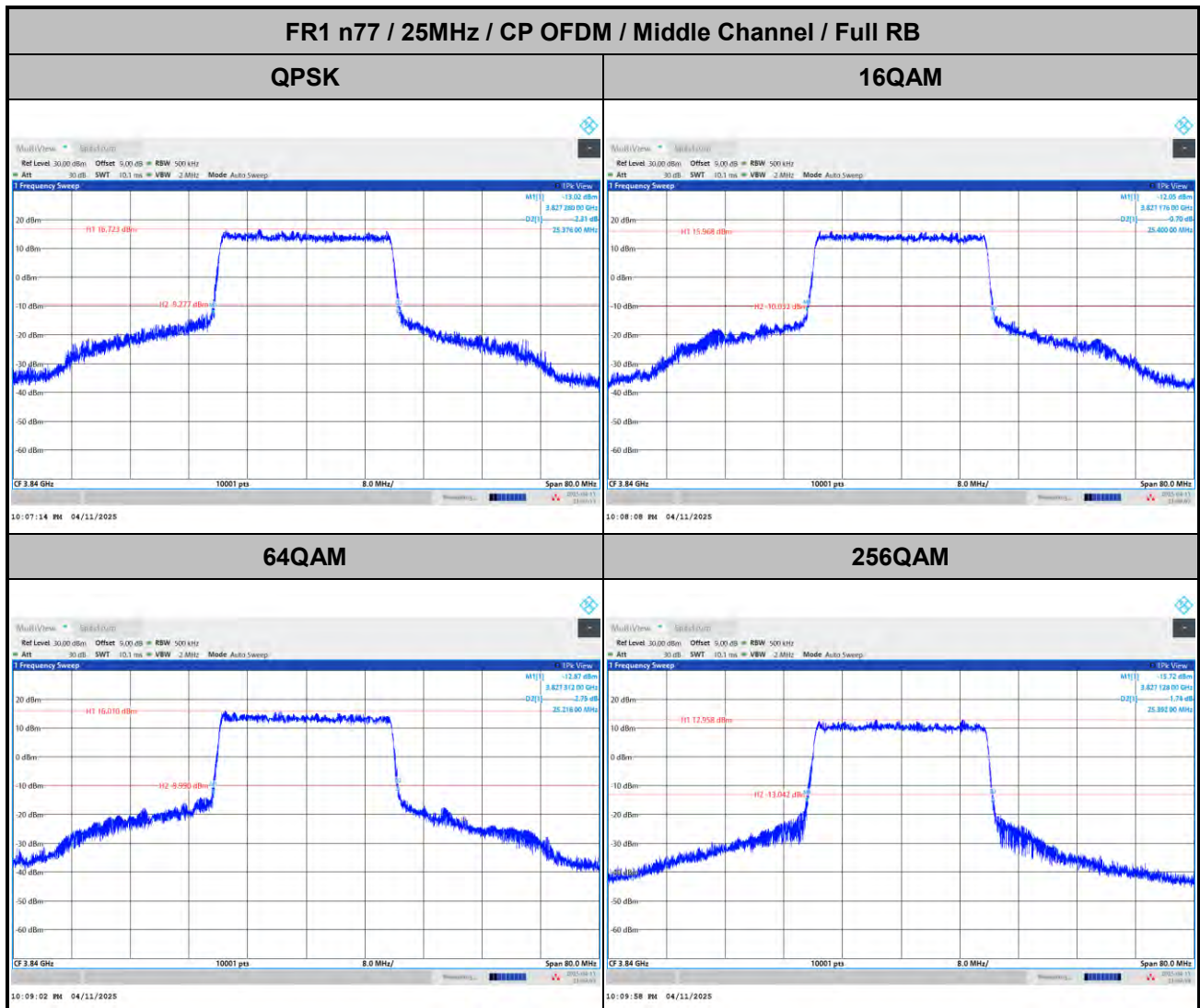
**FR1 n77 / 20MHz / CP OFDM / Middle Channel / Full RB**

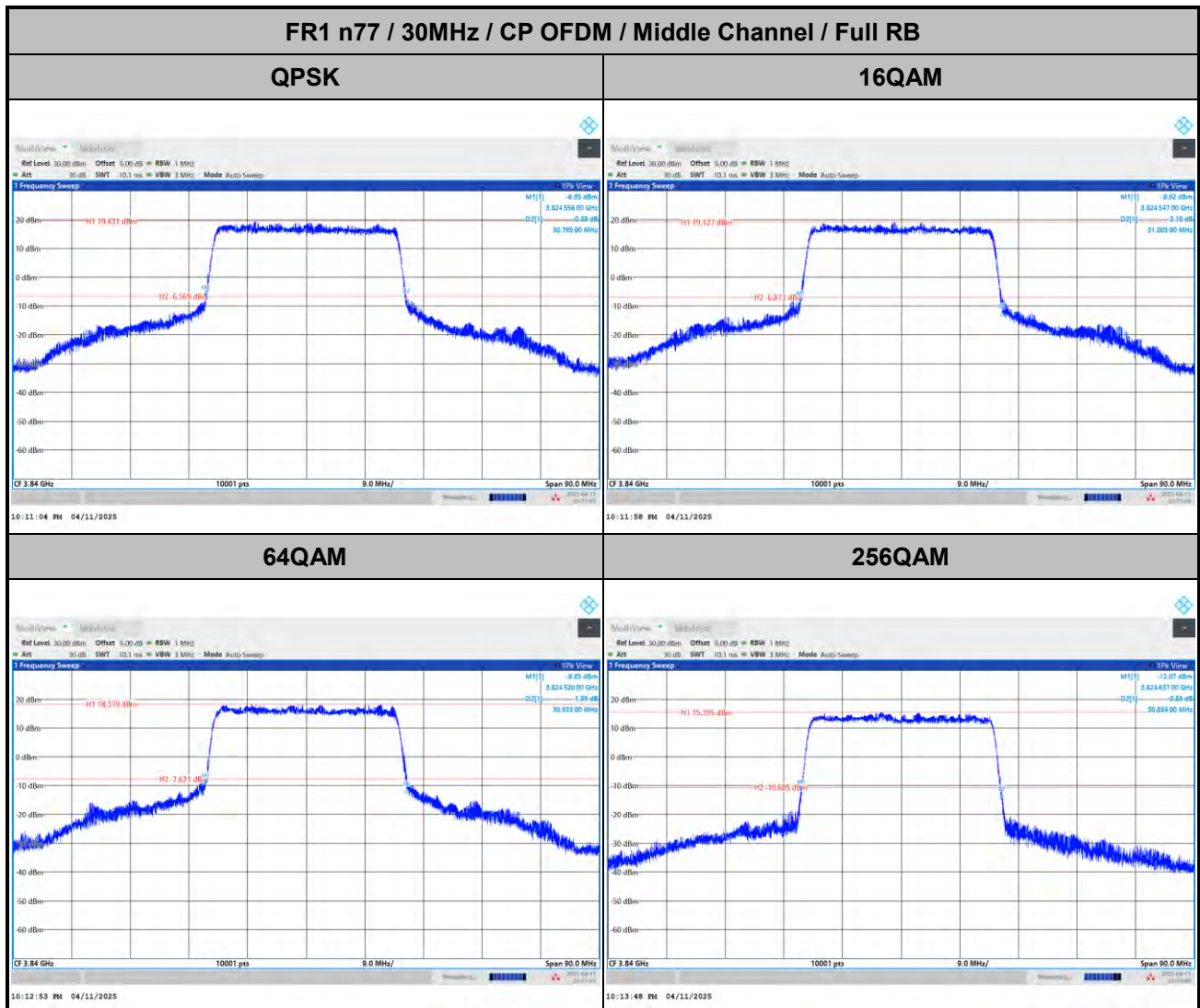
16QAM



256QAM



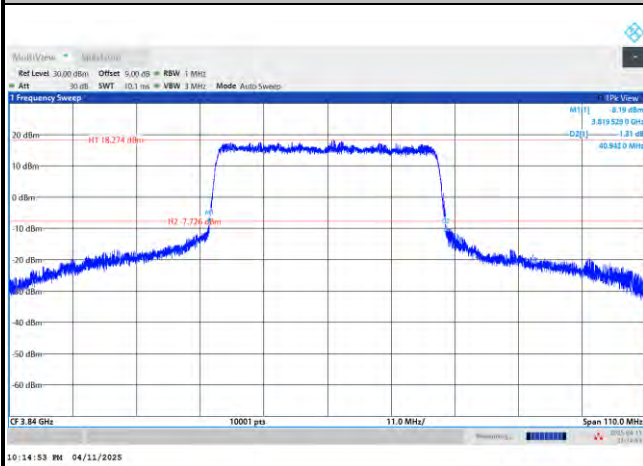




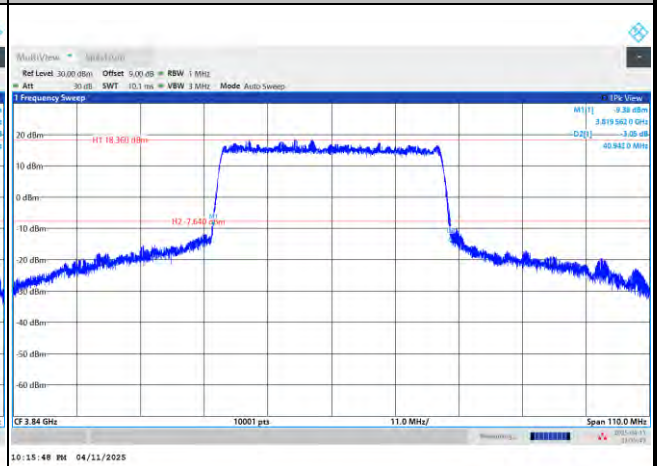


FR1 n77 / 40MHz / CP OFDM / Middle Channel / Full RB

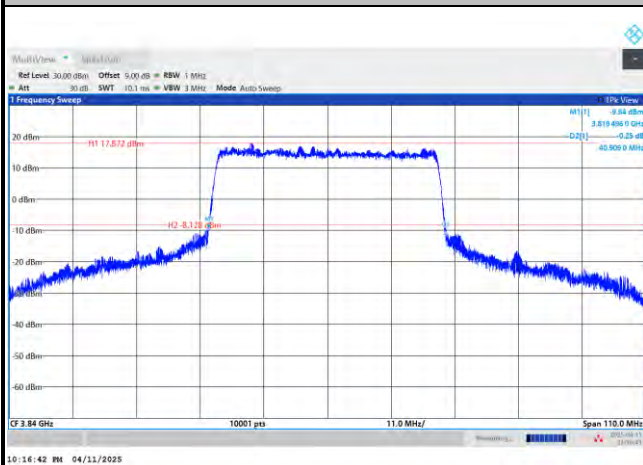
QPSK



16QAM



64QAM



256QAM

