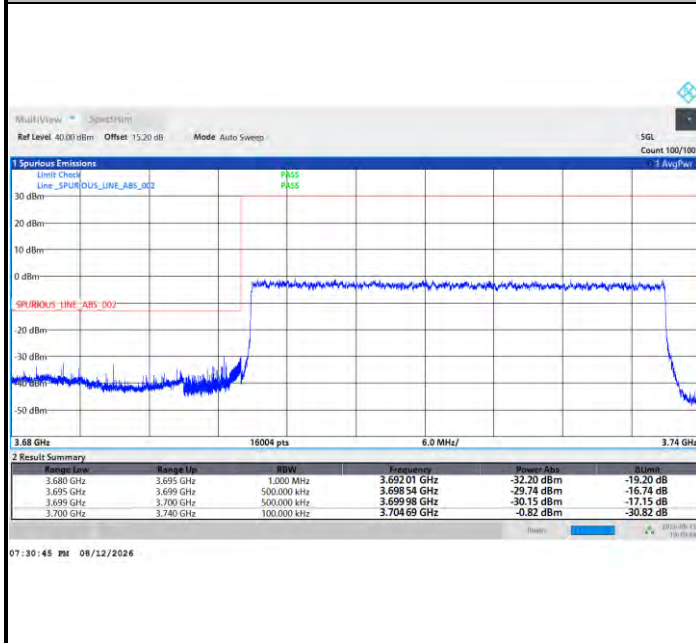


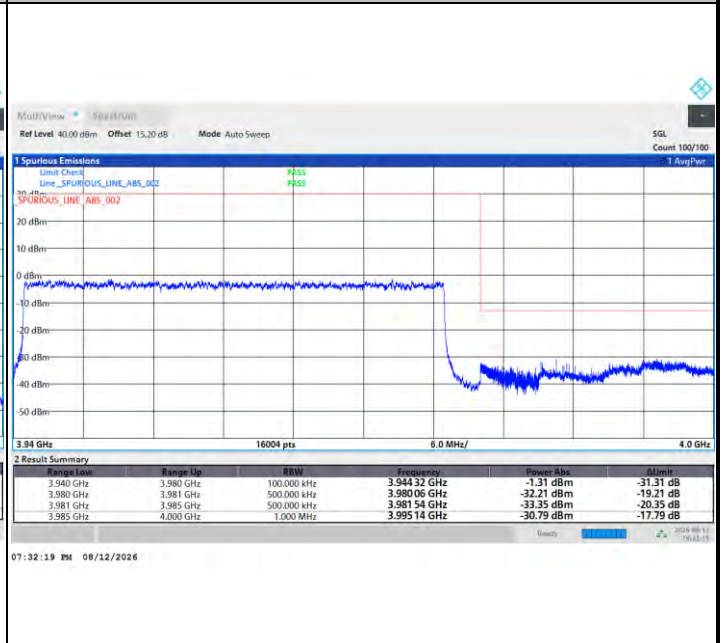


FR1 n77 / 40MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

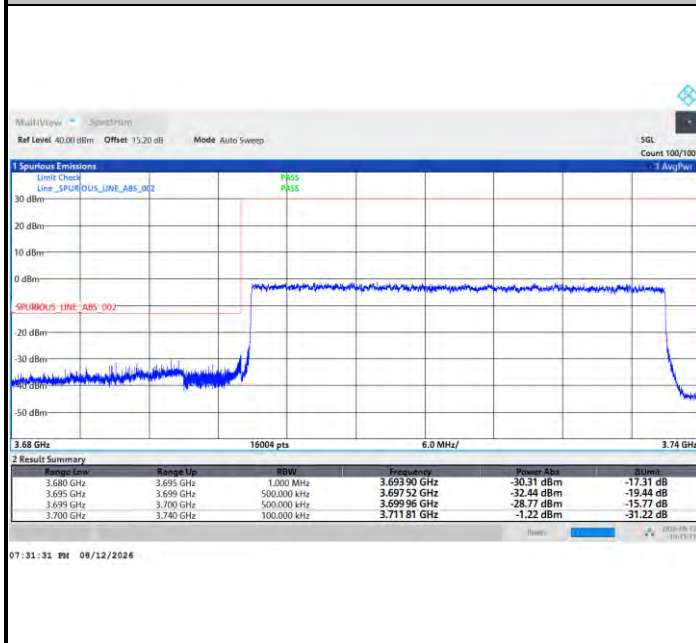


Highest Band Edge / Full RB

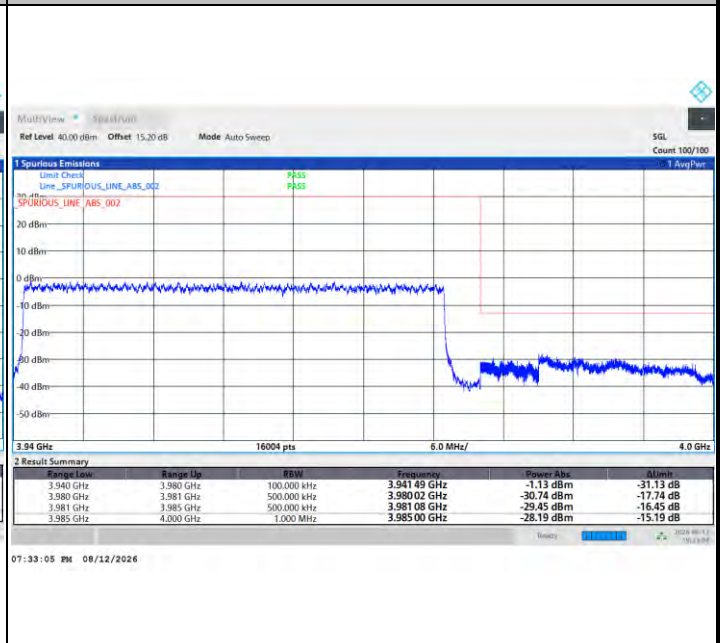


FR1 n77 / 40MHz / DFT-S OFDM / QPSK

Lowest Band Edge / Full RB



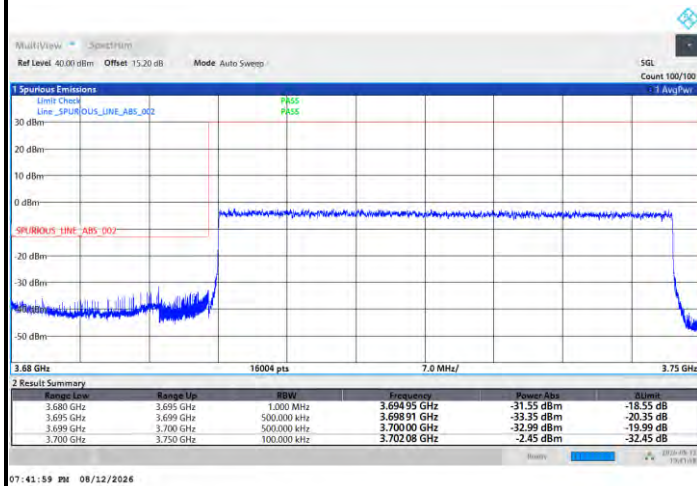
Highest Band Edge / Full RB





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

Lowest Band Edge / Full RB

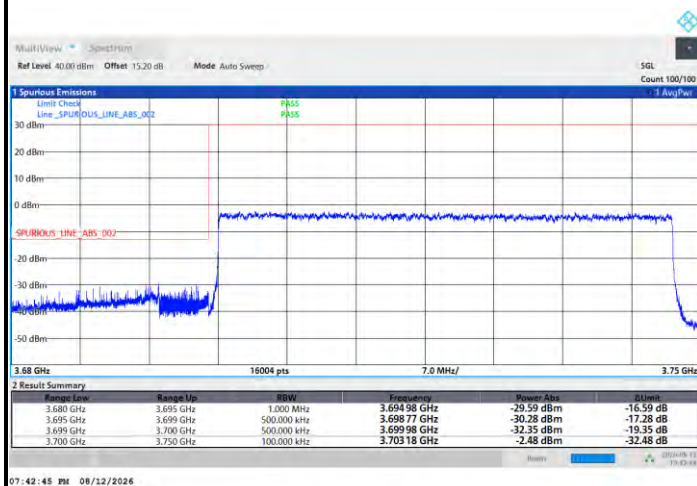


Highest Band Edge / Full RB



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

Lowest Band Edge / Full RB



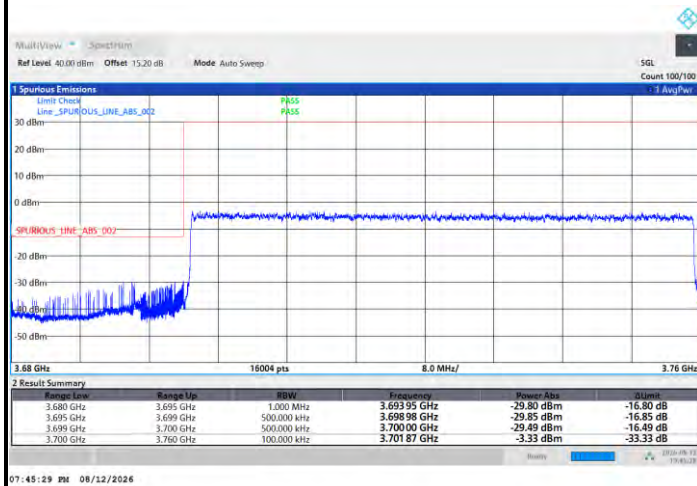
Highest Band Edge / Full RB





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

Lowest Band Edge / Full RB



07:45:29 PM 08/12/2026

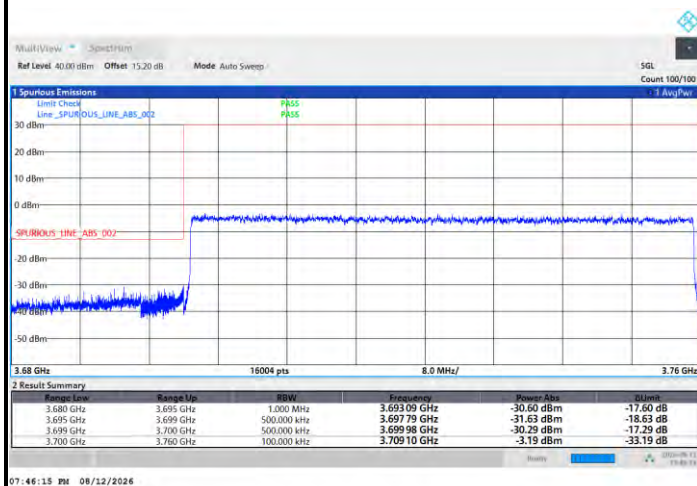
Highest Band Edge / Full RB



07:47:32 PM 08/12/2026

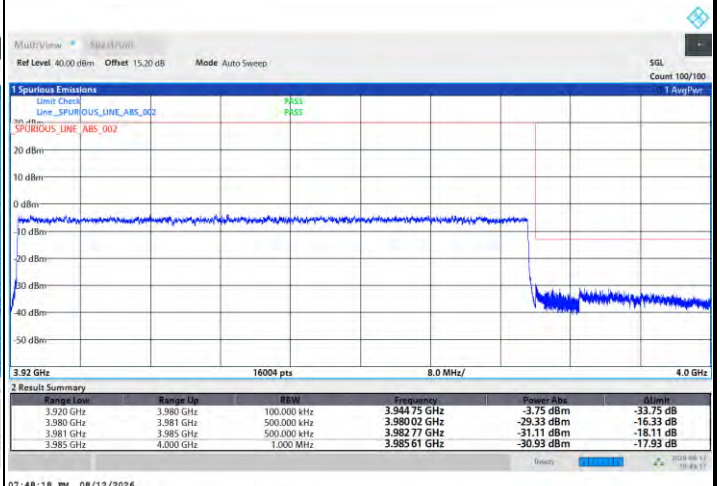
FR1 n77 / 60MHz / DFT-S OFDM / QPSK

Lowest Band Edge / Full RB



07:46:15 PM 08/12/2026

Highest Band Edge / Full RB



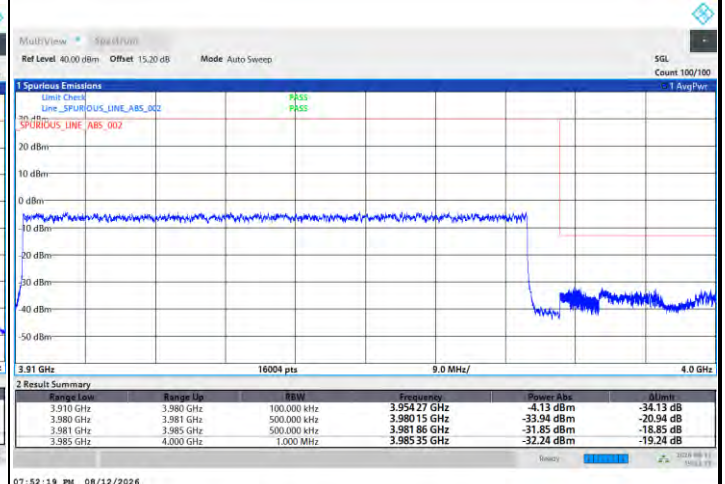
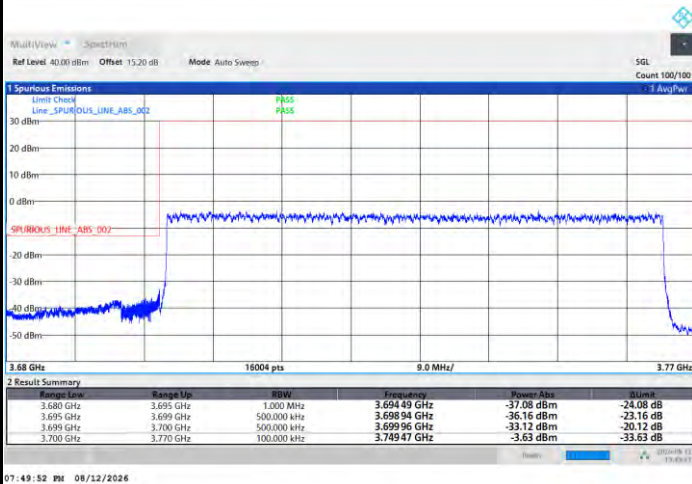
07:48:18 PM 08/12/2026



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

Lowest Band Edge / Full RB

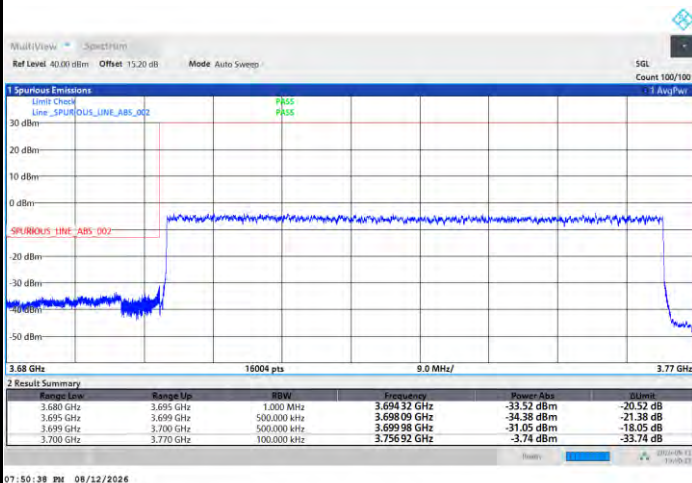
Highest Band Edge / Full RB



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

Lowest Band Edge / Full RB

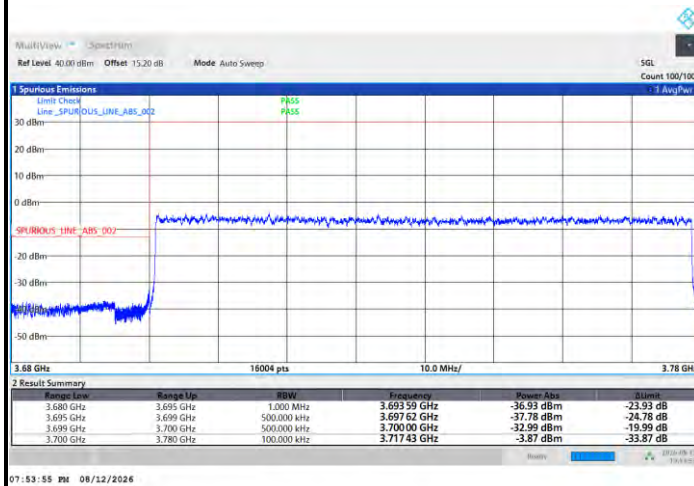
Highest Band Edge / Full RB



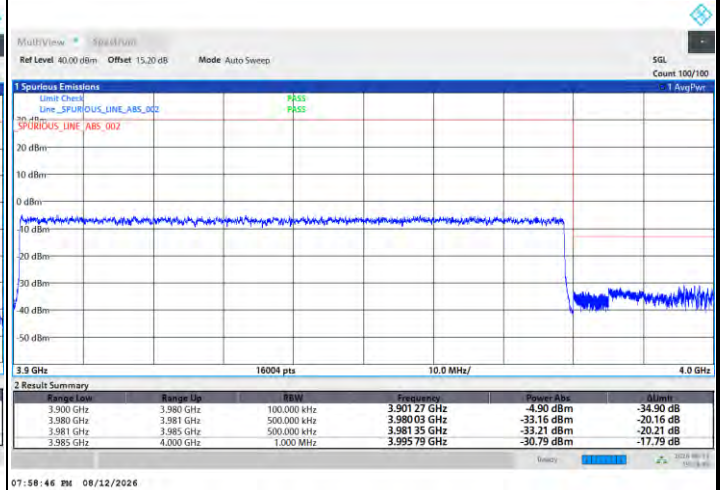


FR1 n77 / 80MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

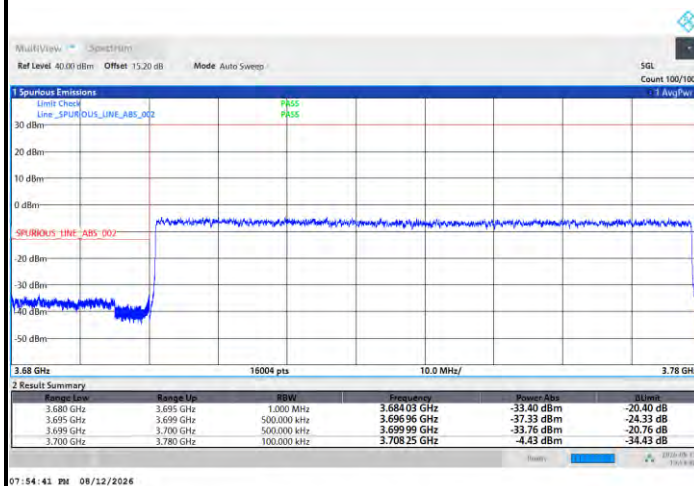


Highest Band Edge / Full RB



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

Lowest Band Edge / Full RB



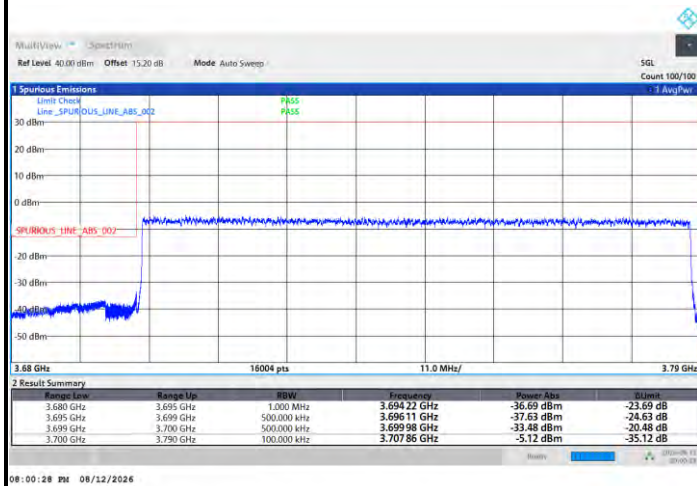
Highest Band Edge / Full RB





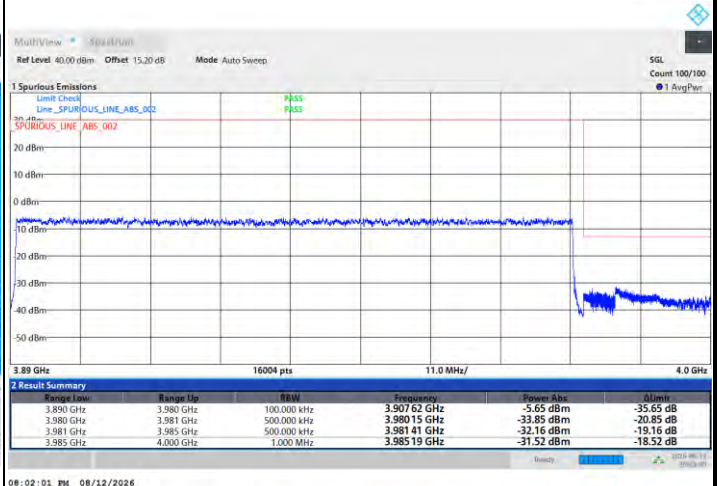
FR1 n77 / 90MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / Full RB



08:00:28 PM 08/12/2026

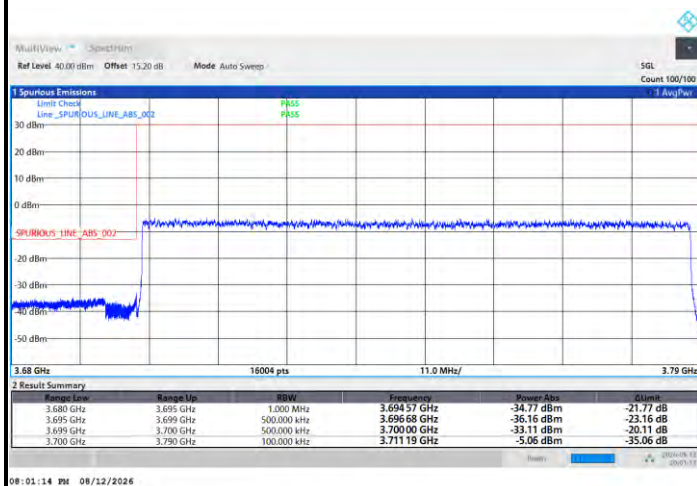
Highest Band Edge / Full RB



08:02:01 PM 08/12/2026

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

Lowest Band Edge / Full RB



08:01:14 PM 08/12/2026

Highest Band Edge / Full RB

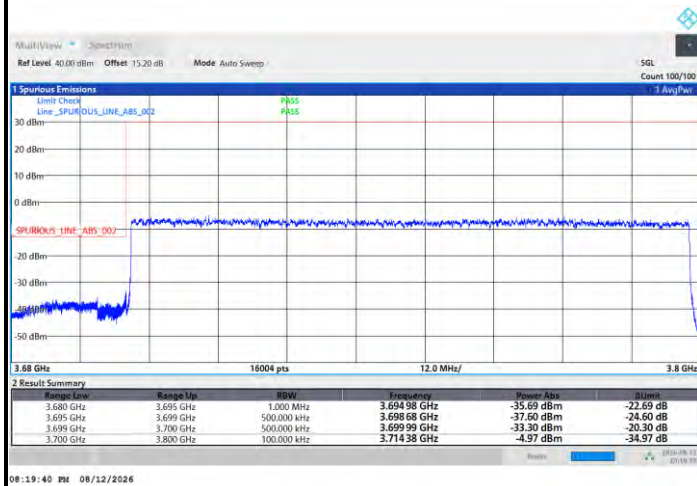


08:02:48 PM 08/12/2026



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

Lowest Band Edge / Full RB

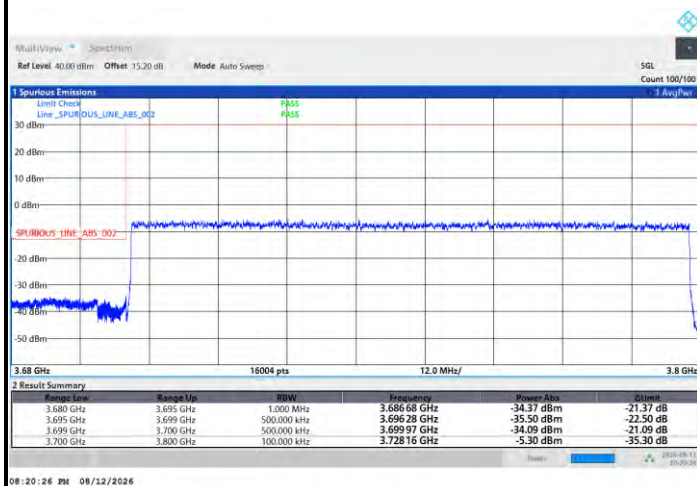


Highest Band Edge / Full RB



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

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

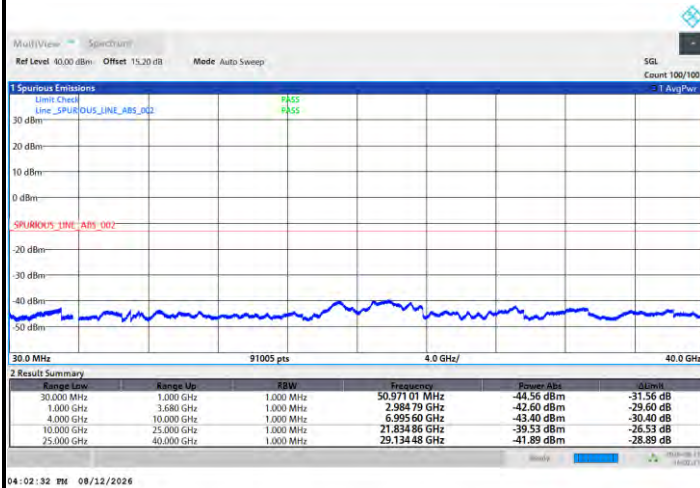




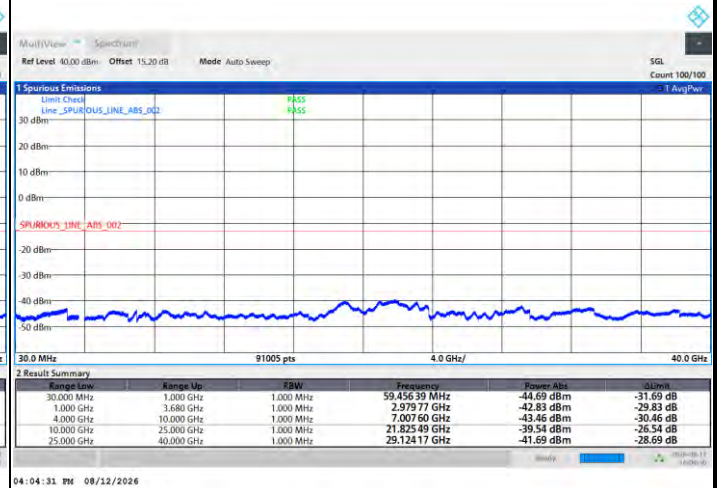
Conducted Spurious Emission

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

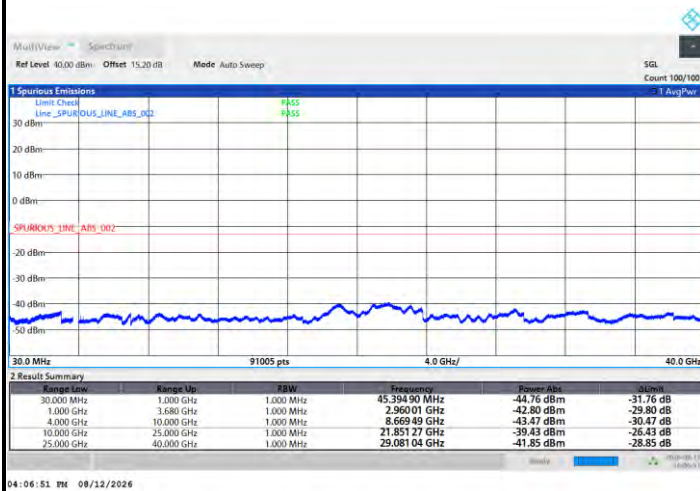
Lowest Channel



Middle Channel



Highest Channel



Frequency Stability

Test Conditions		FR1 n77 (BPSK) / Middle Channel 10M			
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Frequency Offset (Δf) (Hz)	Within Authorized Frequency Block(Hz)	Result
50	Normal Voltage	0.0024	9.2	Yes	PASS
40	Normal Voltage	0.0003	1.2	Yes	
30	Normal Voltage	0.0036	14	Yes	
20(Ref.)	Normal Voltage	0.0000	0	Yes	
10	Normal Voltage	0.0024	9.2	Yes	
0	Normal Voltage	0.0002	-0.9	Yes	
-10	Normal Voltage	0.0009	-3.5	Yes	
-20	Normal Voltage	0.0017	6.4	Yes	
-30	Normal Voltage	0.0006	2.2	Yes	
20	Maximum Voltage	0.0008	2.9	Yes	
20	Normal Voltage	0.0000	0	Yes	
20	Minimum Voltage	0.0000	0.1	Yes	

Note:

1. Normal Voltage = 120 V. ; Minimum Voltage = 102 V. ; Maximum Voltage = 138 V.
2. The frequency fundamental emissions stay within the authorized frequency block.
3. The frequency variation is sufficient to ensure that the occupied bandwidth of all operation channels stay within the operating frequency block or frequency block group.

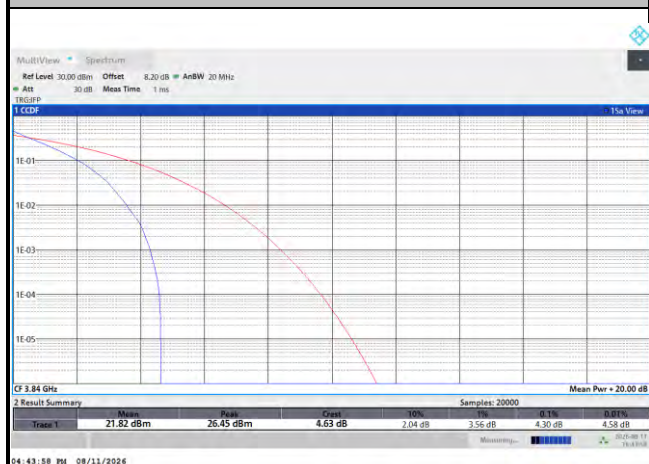
**FR1 n77_Part27O****<TxD Mode>****MIMO <Ant. 1+7> (Ant. 1)****Peak-to-Average Ratio**

Mode	FR1 n77 / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.30	5.98	6.24	6.48	PASS
Mode	FR1 n77 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.76				PASS

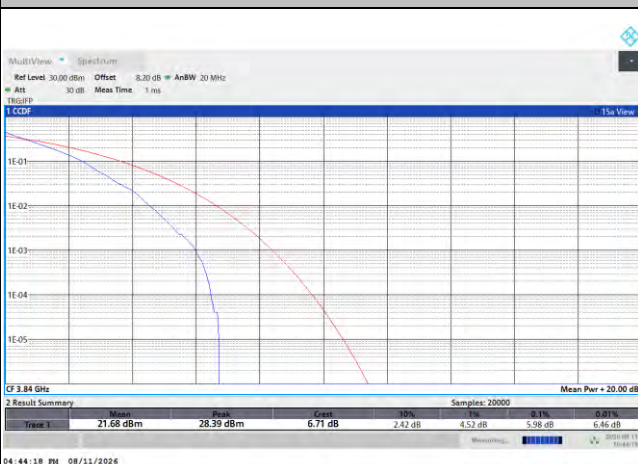


FR1 n77 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

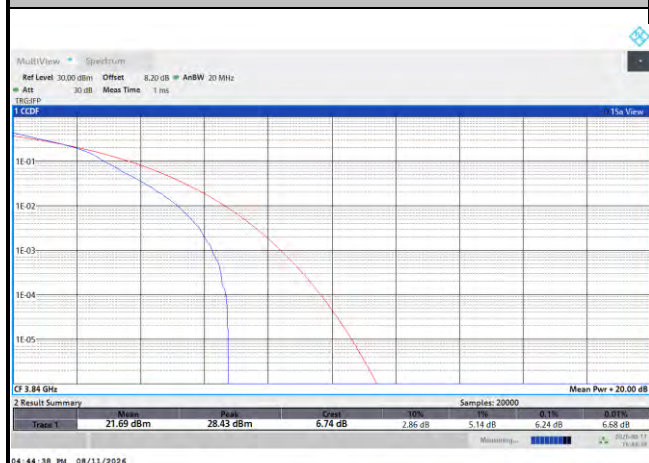
PI/2 BPSK



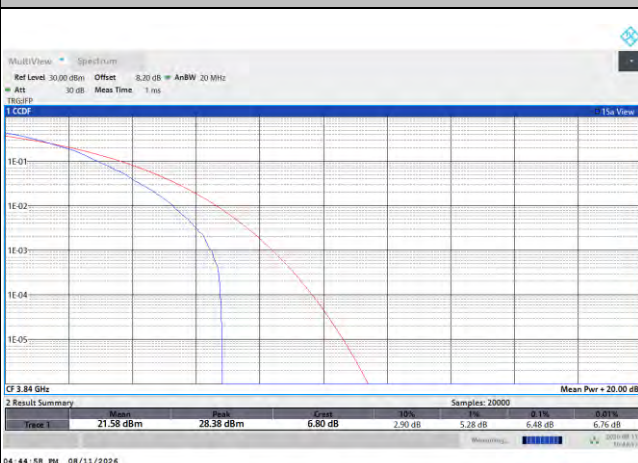
QPSK



16QAM



64QAM



256QAM



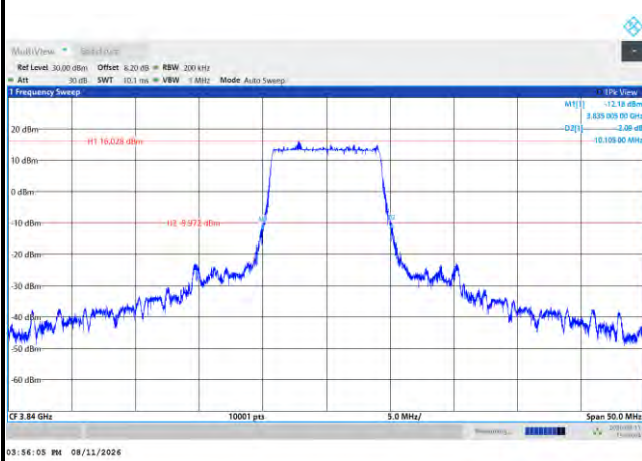
**26dB Bandwidth**

Mode	FR1 n77 : 26dB BW(MHz) / DFT-S OFDM							
BW	10MHz		15MHz		20MHz		30MHz	
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK
Middle CH	10.10	9.93	14.64	14.65	19.79	20.06	30.74	32.18
Mod.	16QAM		16QAM		16QAM		16QAM	
Middle CH	10.05		14.65		19.97		32.04	
BW	40MHz		50MHz		60MHz		70MHz	
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK
Middle CH	40.53	41.31	49.03	50.33	65.58	70.77	69.25	69.15
Mod.	16QAM		16QAM		16QAM		16QAM	
Middle CH	39.93		52.19		64.05		69.19	
BW	80MHz		90MHz		100MHz			
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK		
Middle CH	81.96	82.13	91.77	92.25	101.70	101.59		
Mod.	16QAM		16QAM		16QAM			
Middle CH	82.19		91.95		101.84			

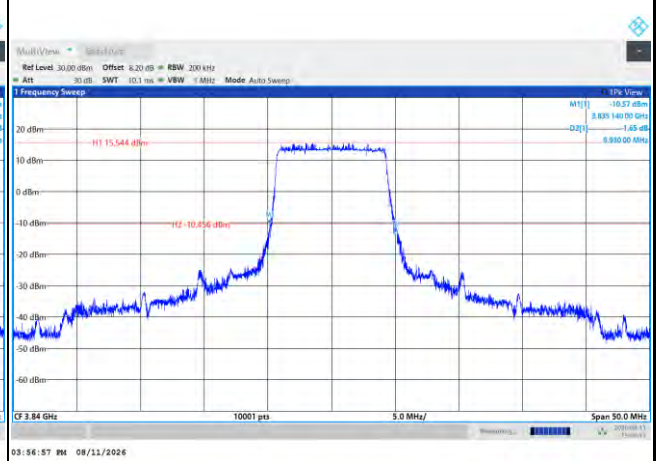


FR1 n77 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

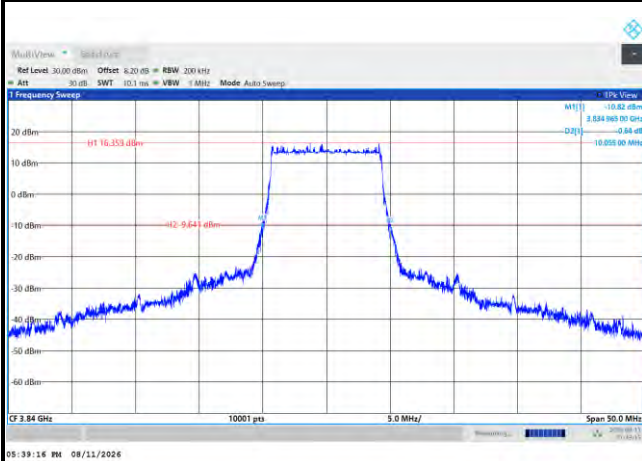
PI/2 BPSK



QPSK



16QAM

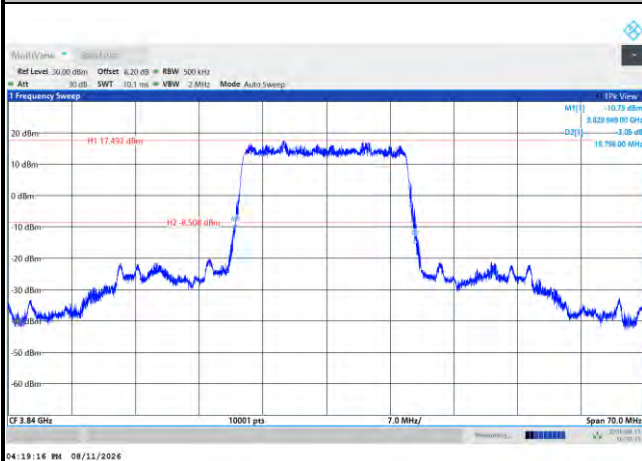






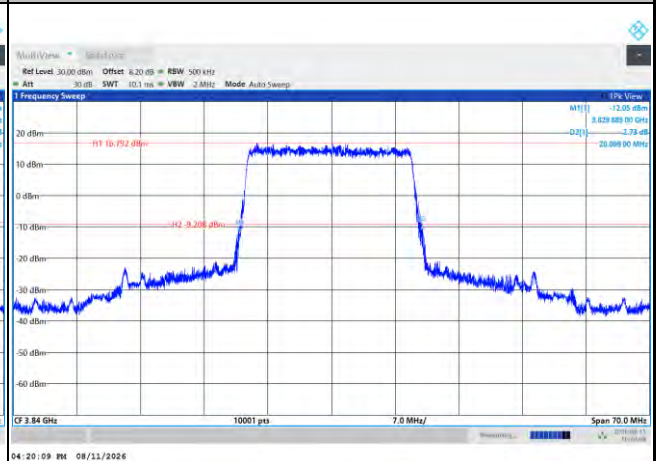
FR1 n77 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



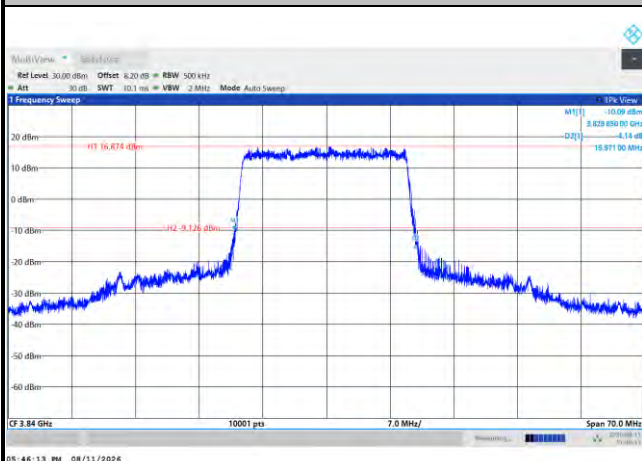
04:19:16 PM 08/11/2026

QPSK

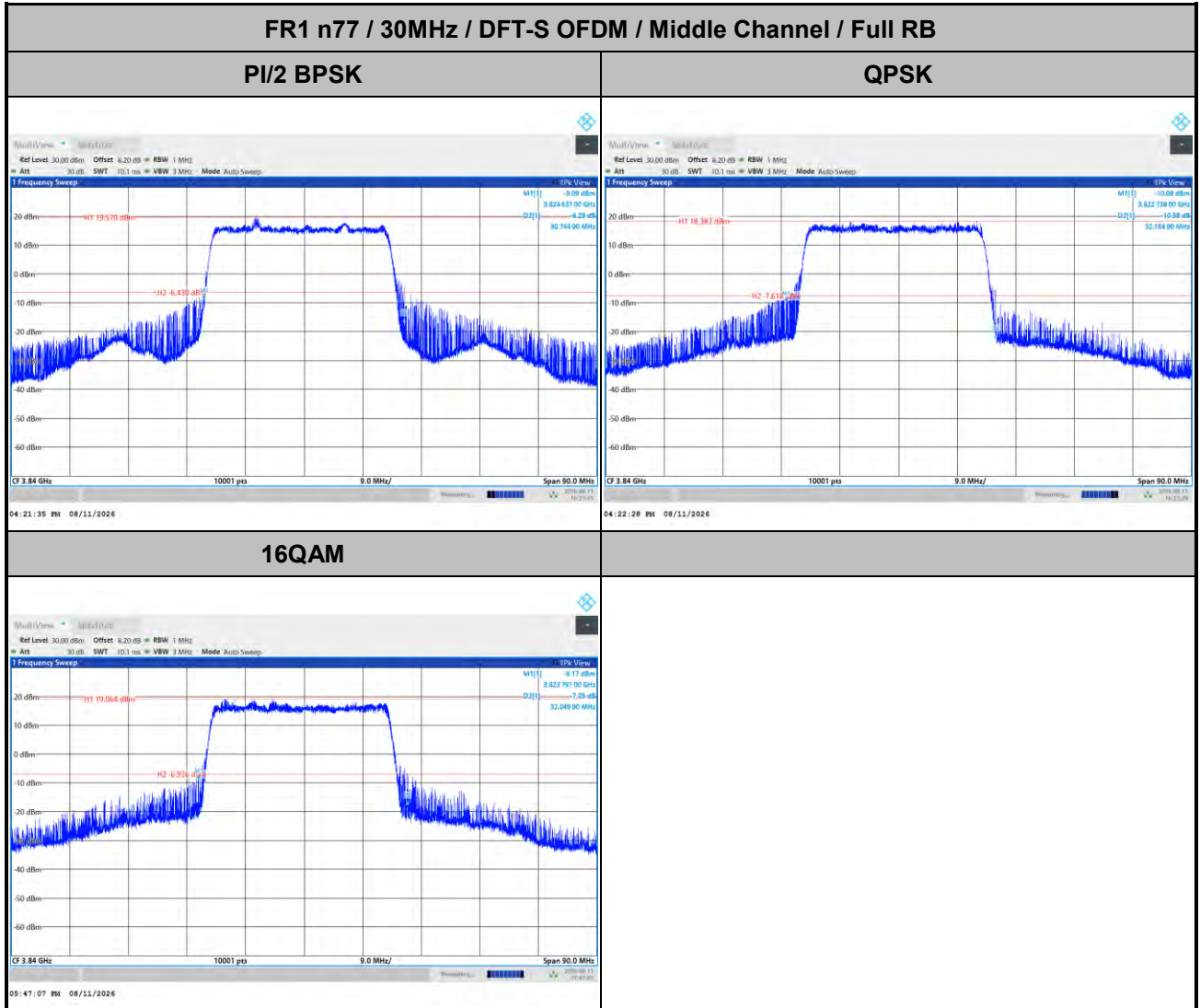


04:20:09 PM 08/11/2026

16QAM



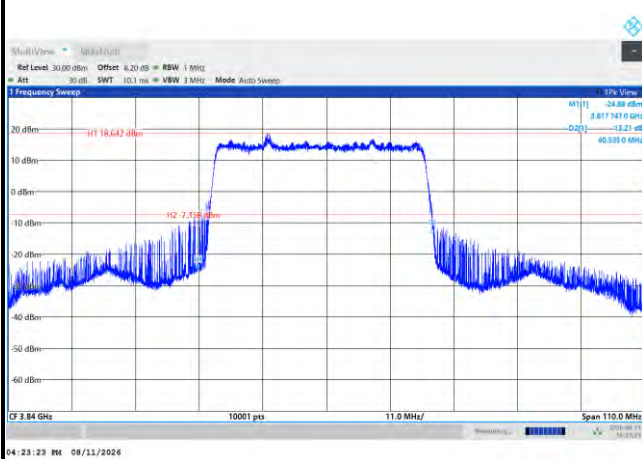
05:46:13 PM 08/11/2026



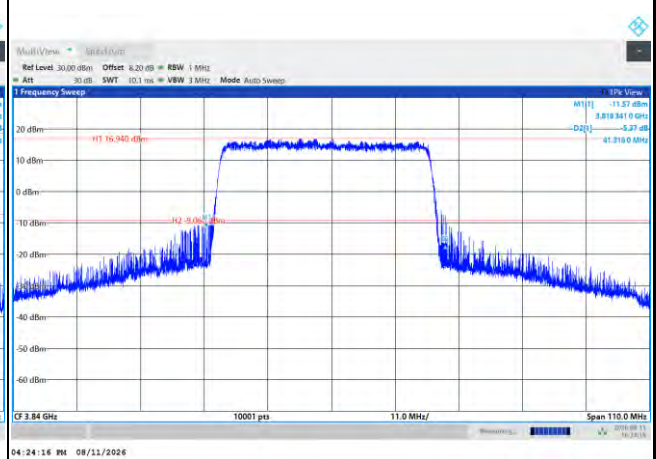


FR1 n77 / 40MHz / DFT-S OFDM / Middle Channel / Full RB

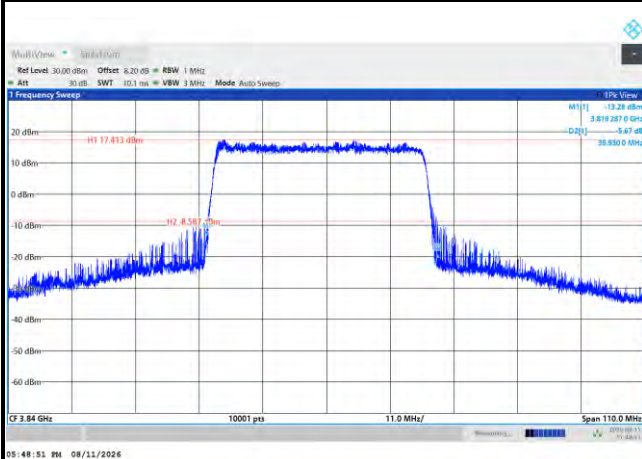
PI/2 BPSK



QPSK



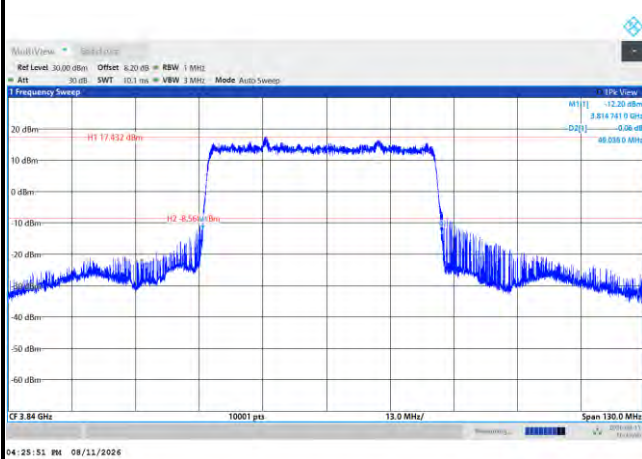
16QAM



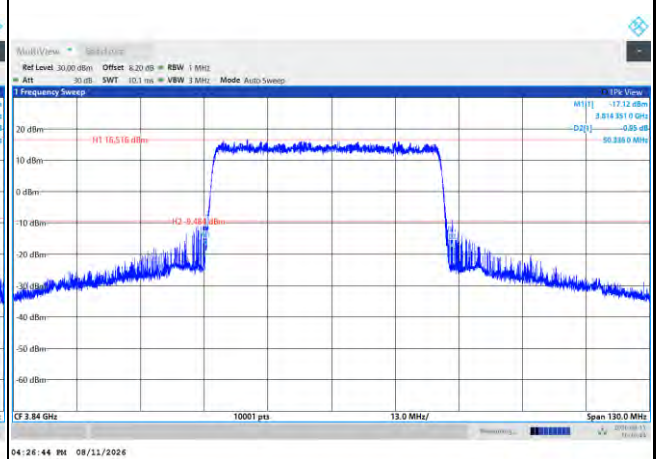


FR1 n77 / 50MHz / DFT-S OFDM / Middle Channel / Full RB

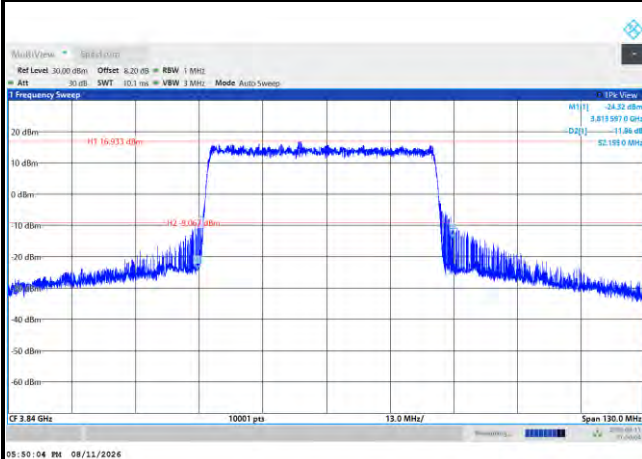
PI/2 BPSK



QPSK



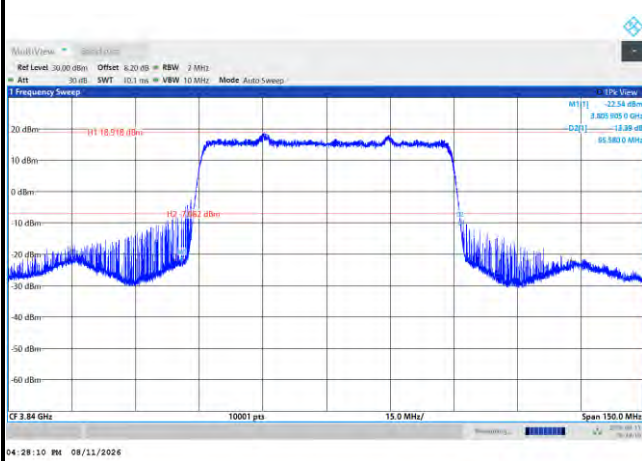
16QAM



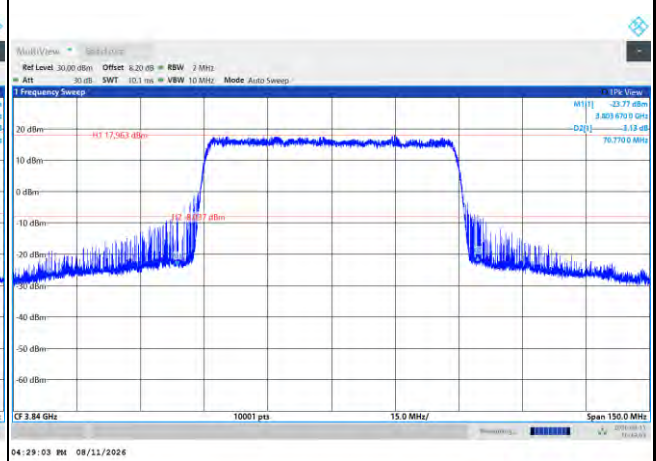


FR1 n77 / 60MHz / DFT-S OFDM / Middle Channel / Full RB

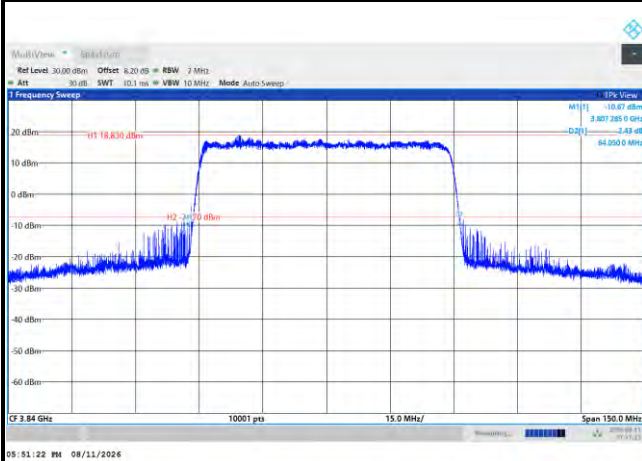
PI/2 BPSK



QPSK



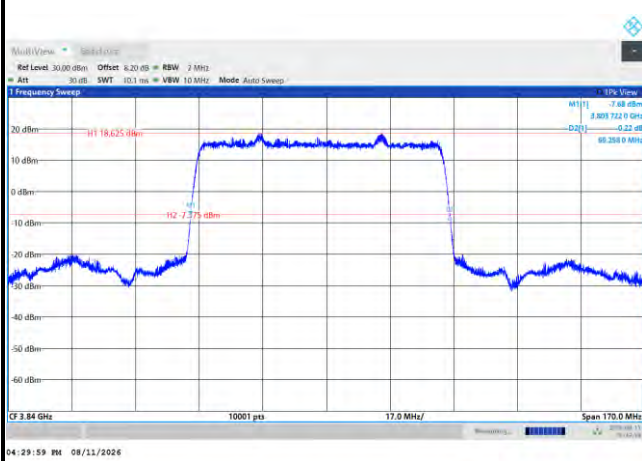
16QAM



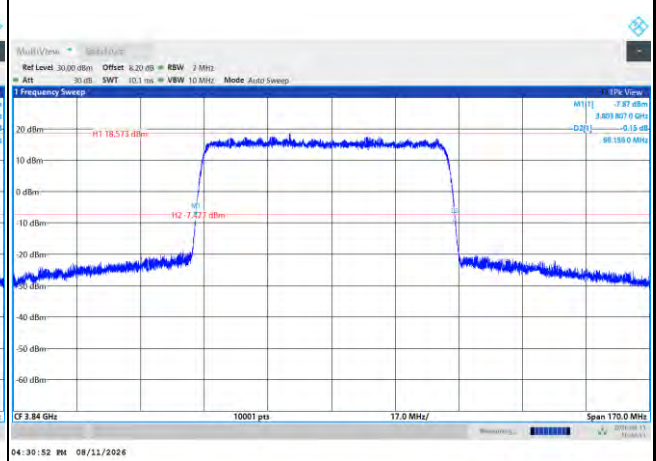


FR1 n77 / 70MHz / DFT-S OFDM / Middle Channel / Full RB

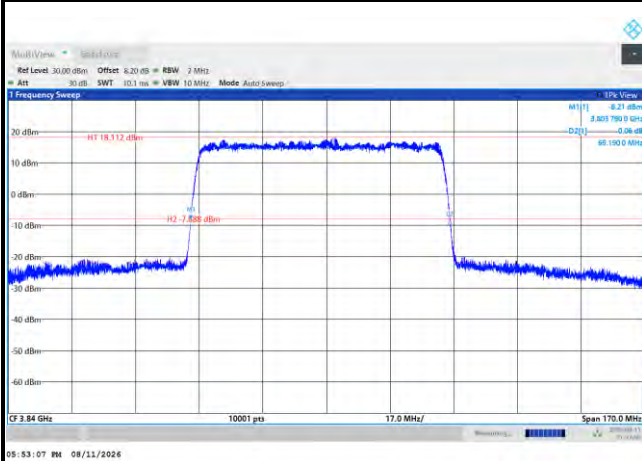
PI/2 BPSK

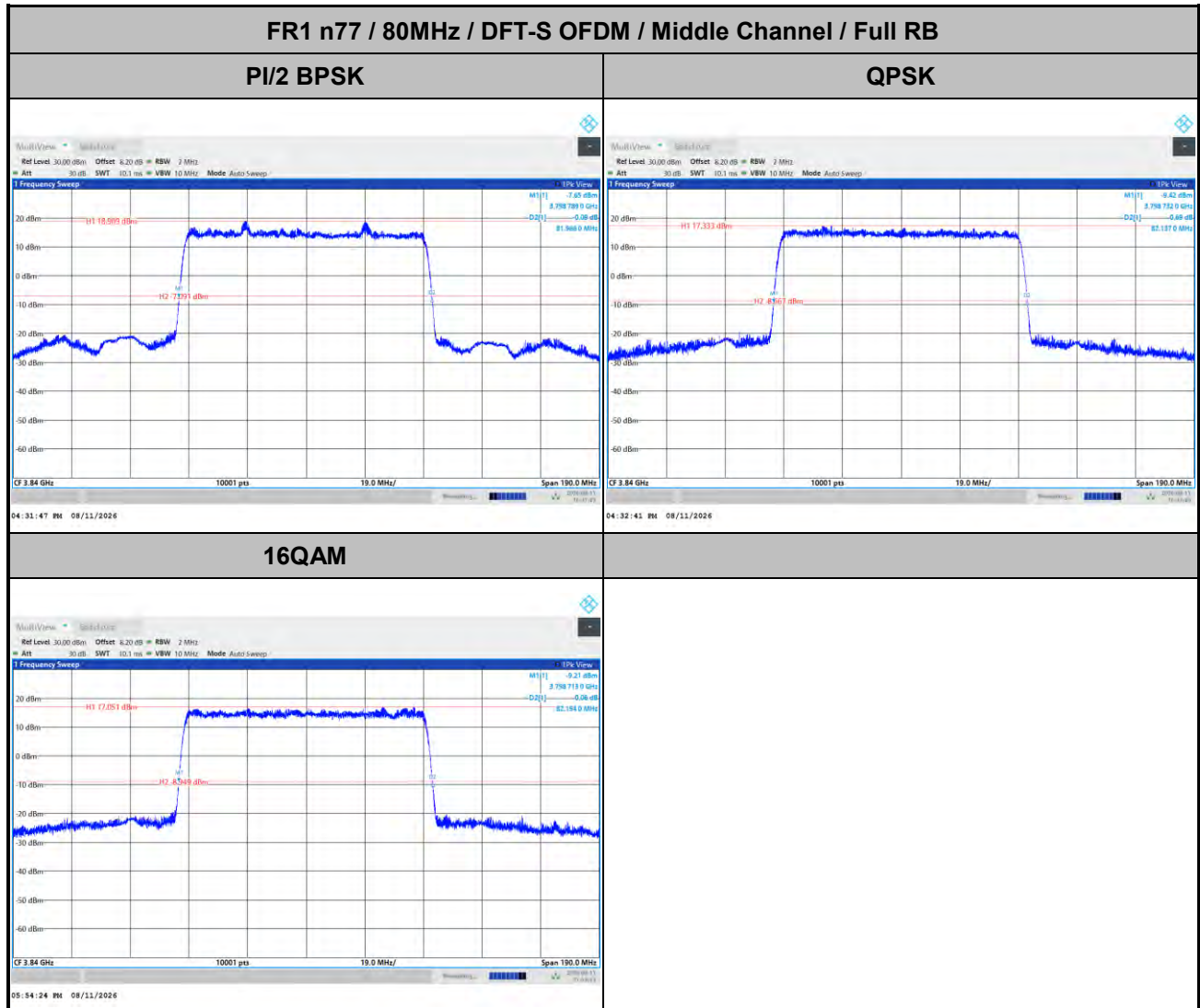


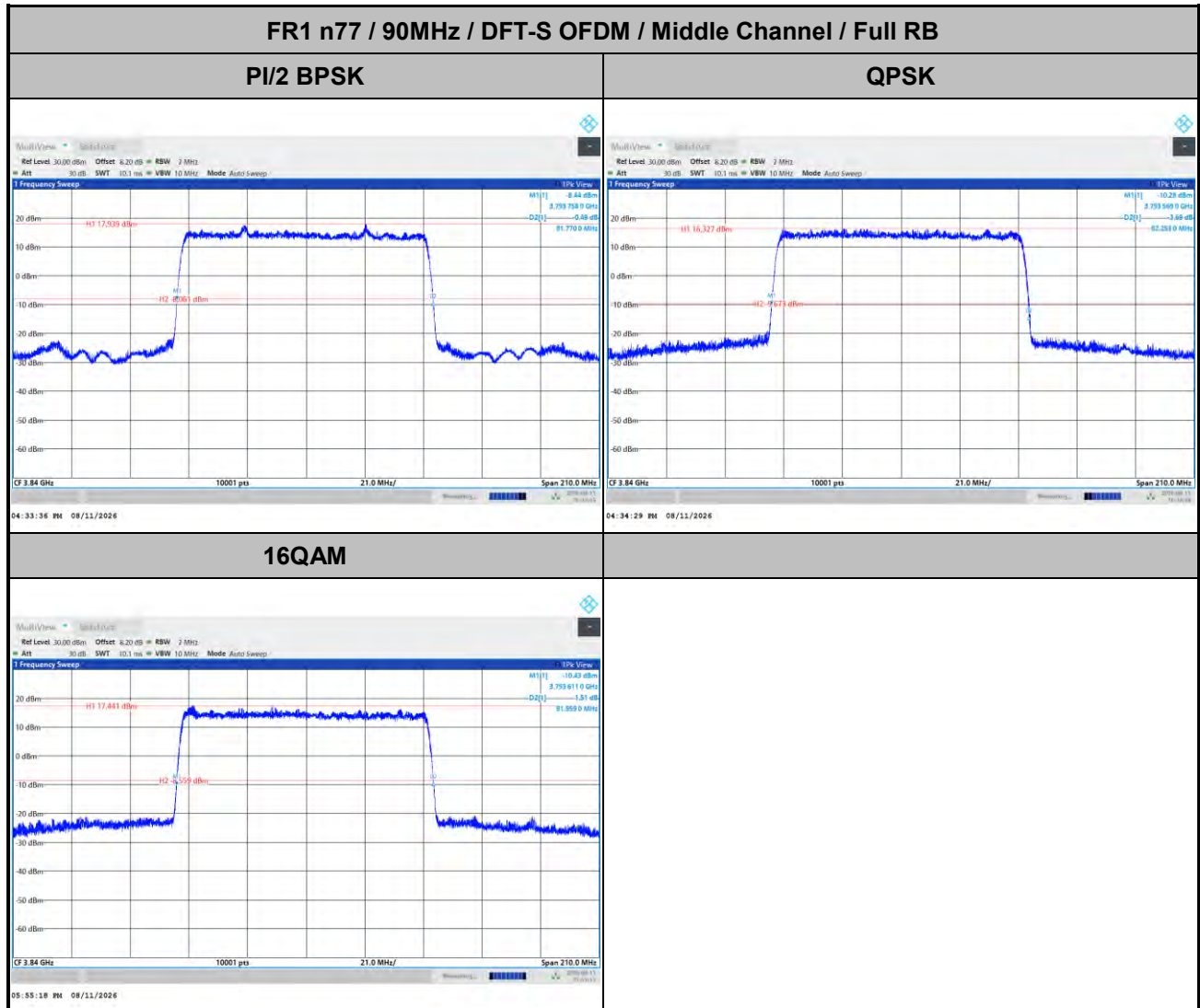
QPSK



16QAM



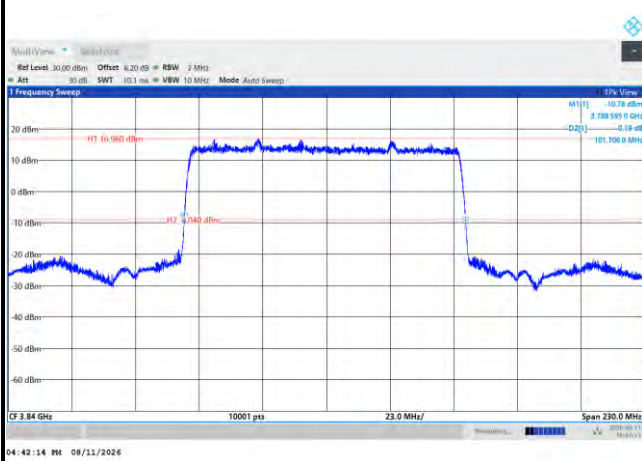




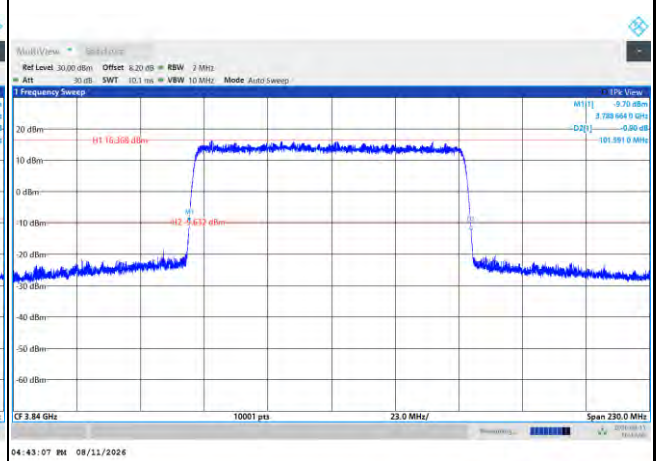


FR1 n77 / 100MHz / DFT-S OFDM / Middle Channel / Full RB

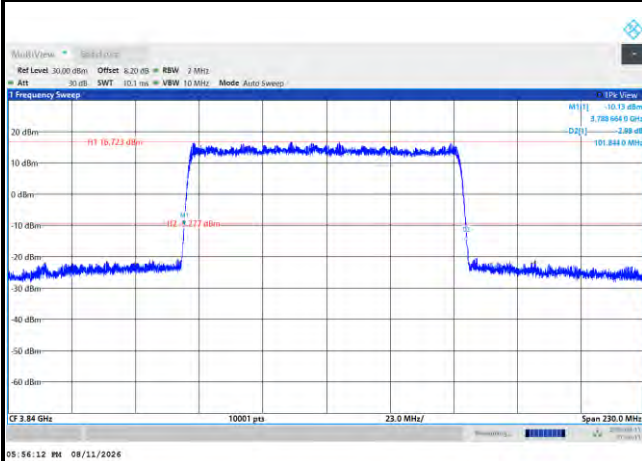
PI/2 BPSK



QPSK



16QAM



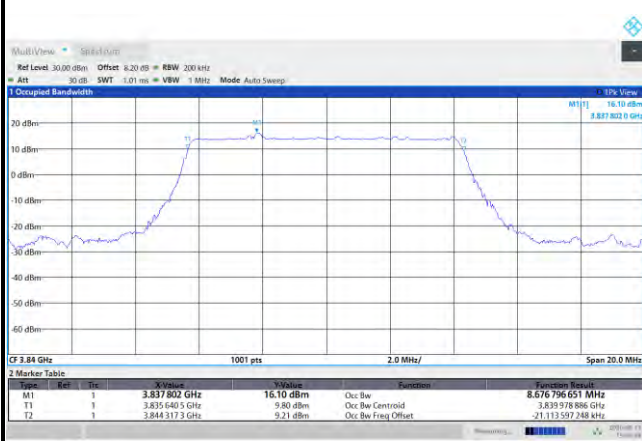
**Occupied Bandwidth**

Mode	FR1 n77 : 99%OBW(MHz) / DFT-S OFDM							
BW	10MHz		15MHz		20MHz		30MHz	
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK
Middle CH	8.67	8.64	13.03	12.94	18.01	18.05	27.28	27.28
Mod.	16QAM		16QAM		16QAM		16QAM	
Middle CH	8.70		12.98		18.08		27.29	
BW	40MHz		50MHz		60MHz		70MHz	
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK
Middle CH	36.02	35.98	45.94	45.92	58.68	58.90	64.96	64.75
Mod.	16QAM		16QAM		16QAM		16QAM	
Middle CH	36.05		46.04		58.60		64.89	
BW	80MHz		90MHz		100MHz			
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK		
Middle CH	77.63	77.64	86.97	87.13	96.93	96.64		
Mod.	16QAM		16QAM		16QAM			
Middle CH	77.60		87.58		96.89			



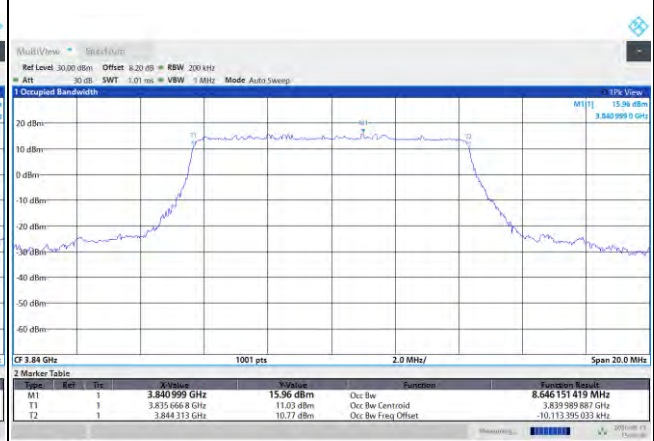
FR1 n77 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



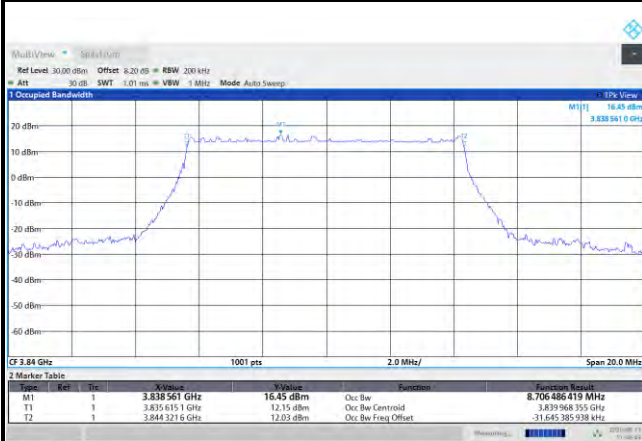
03:55:39 PM 08/11/2026

QPSK



03:56:31 PM 08/11/2026

16QAM

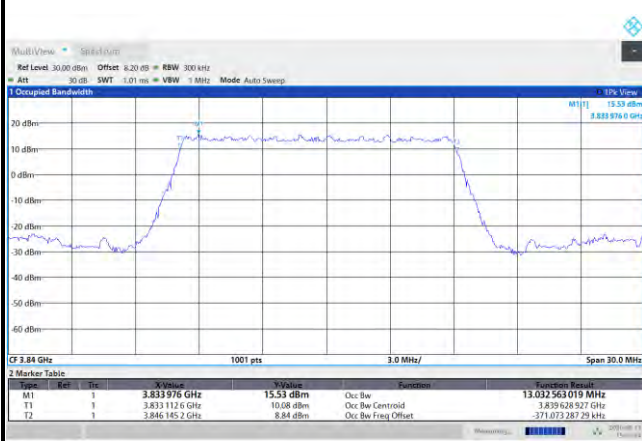


03:58:50 PM 08/11/2026



FR1 n77 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



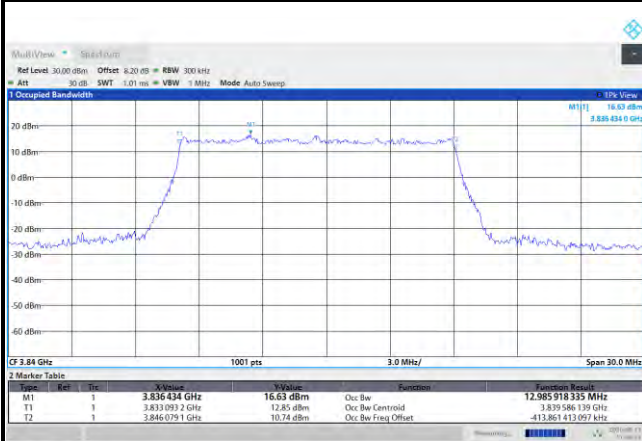
09:57:25 PM 08/11/2026

QPSK



03:58:18 PM 08/11/2026

16QAM

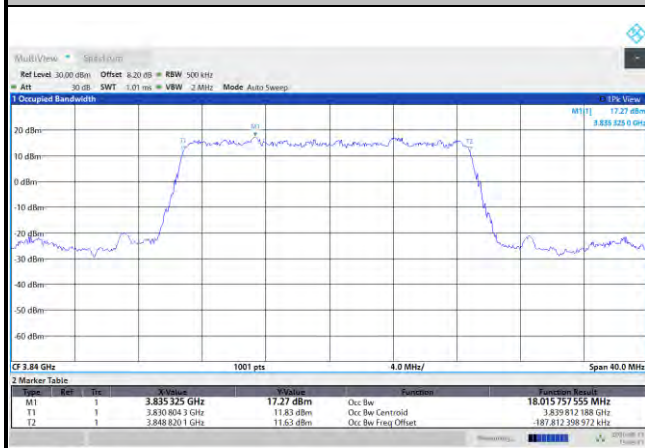


09:44:52 PM 08/11/2026

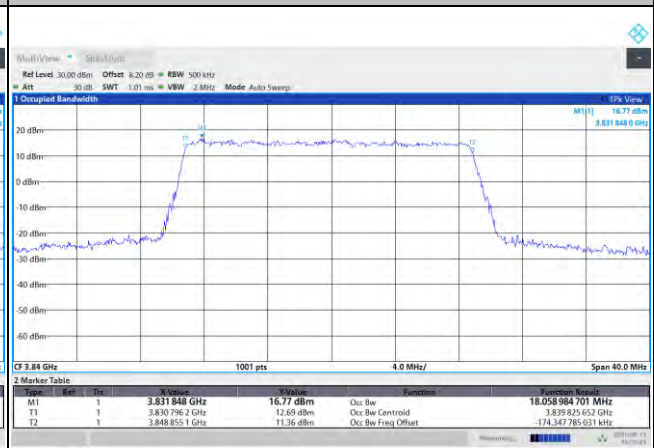


FR1 n77 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

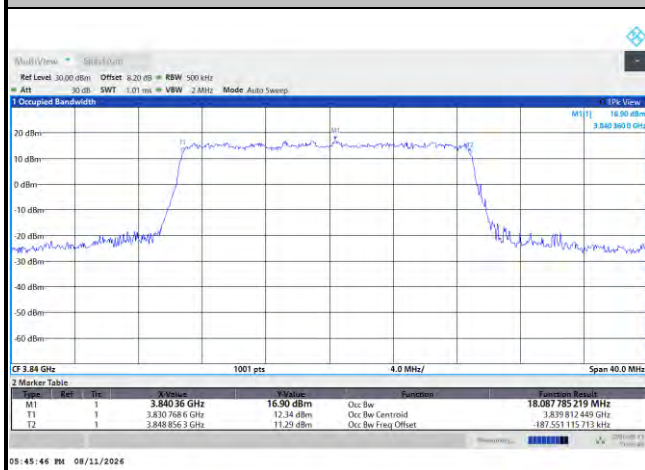
PI/2 BPSK



QPSK



16QAM





FR1 n77 / 30MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



04:21:09 PM 08/11/2026

QPSK



04:22:02 PM 08/11/2026

16QAM

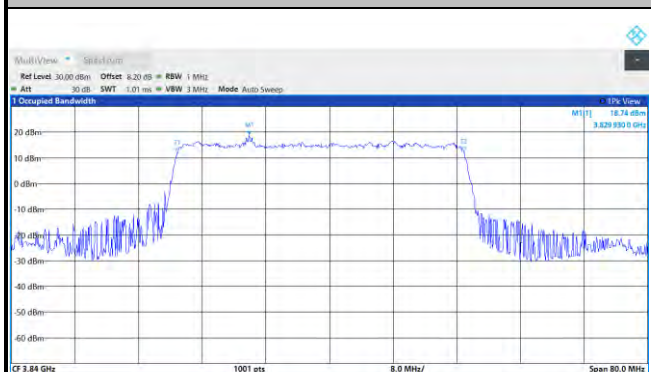


08:46:41 PM 08/11/2026



FR1 n77 / 40MHz / DFT-S OFDM / Middle Channel / Full RB

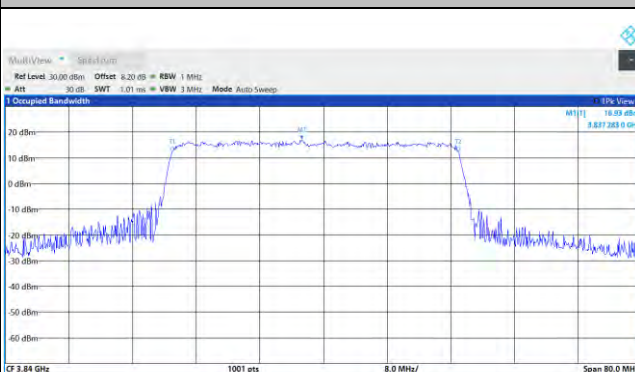
PI/2 BPSK



Type	Ref	Freq	X-Value	Y-Value	Function	Power
M1	1		3.82993 GHz	18.74 dBm	Occ Bw	36.029544831 MHz
T1	1		3.8208735 GHz	11.50 dBm	Occ Bw Centroid	3.838888351 GHz
T2	1		3.8569032 GHz	12.20 dBm	Occ Bw Freq Offset	-1.111645534 MHz

04:22:57 PM 08/11/2026

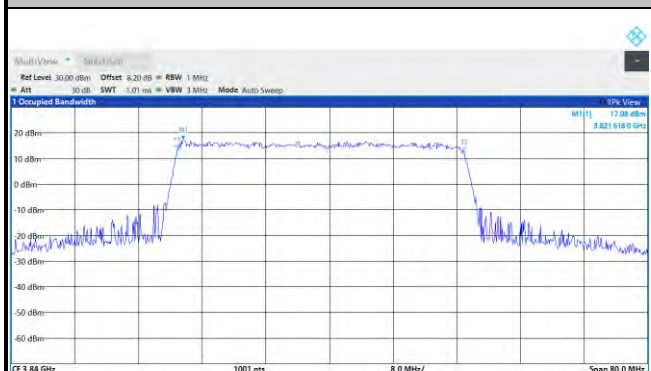
QPSK



Type	Ref	Freq	X-Value	Y-Value	Function	Power
M1	1		3.837283 GHz	16.93 dBm	Occ Bw	35.982224038 MHz
T1	1		3.8209664 GHz	12.27 dBm	Occ Bw Centroid	3.838957561 GHz
T2	1		3.8569487 GHz	12.36 dBm	Occ Bw Freq Offset	-1.042439568 MHz

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16QAM



Type	Ref	Freq	X-Value	Y-Value	Function	Power
M1	1		3.821618 GHz	17.08 dBm	Occ Bw	36.052621663 MHz
T1	1		3.8208526 GHz	13.24 dBm	Occ Bw Centroid	3.838878994 GHz
T2	1		3.8569053 GHz	12.22 dBm	Occ Bw Freq Offset	-1.121060317 MHz

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FR1 n77 / 50MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



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QPSK



04:26:18 PM 08/11/2026

16QAM



05:49:38 PM 08/11/2026



FR1 n77 / 60MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



04:27:44 PM 08/11/2026

QPSK



04:28:37 PM 08/11/2026

16QAM

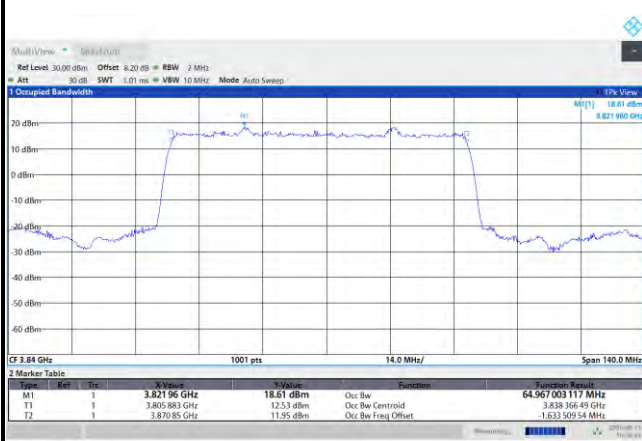


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FR1 n77 / 70MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



QPSK



16QAM

