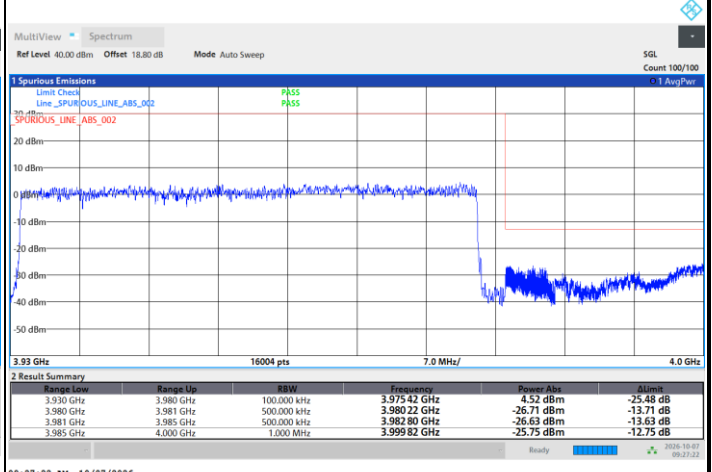
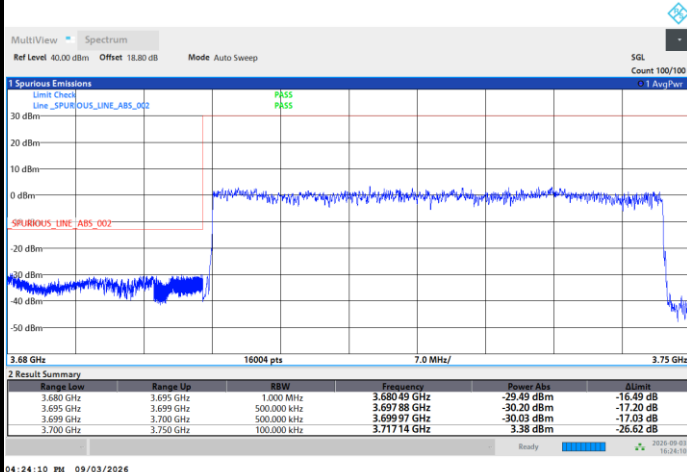




FR1 n77 / 50MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

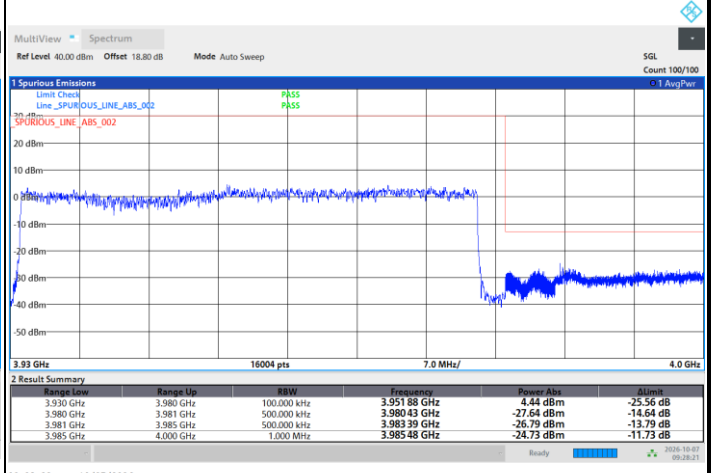
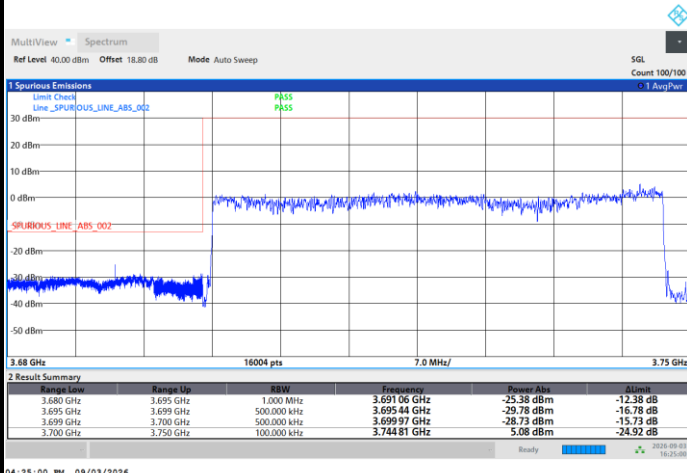
Highest Band Edge / Full RB



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

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

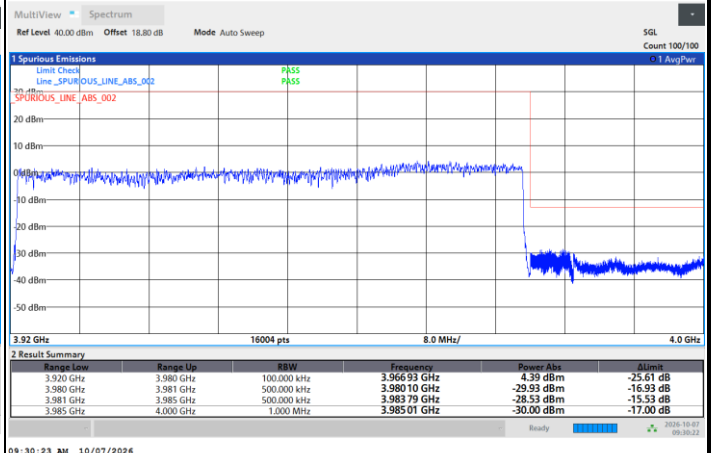
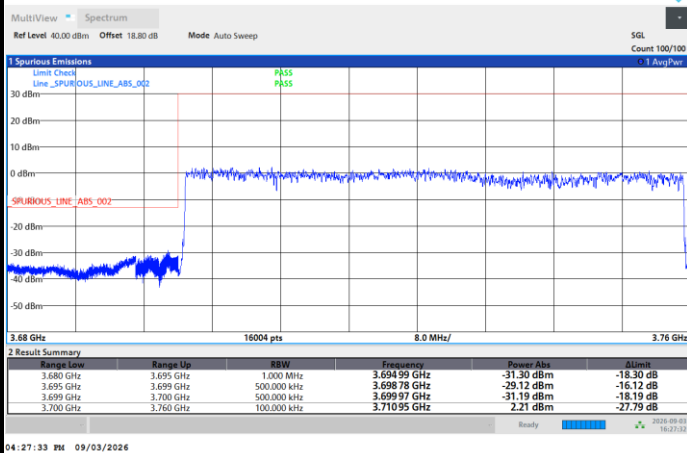




FR1 n77 / 60MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

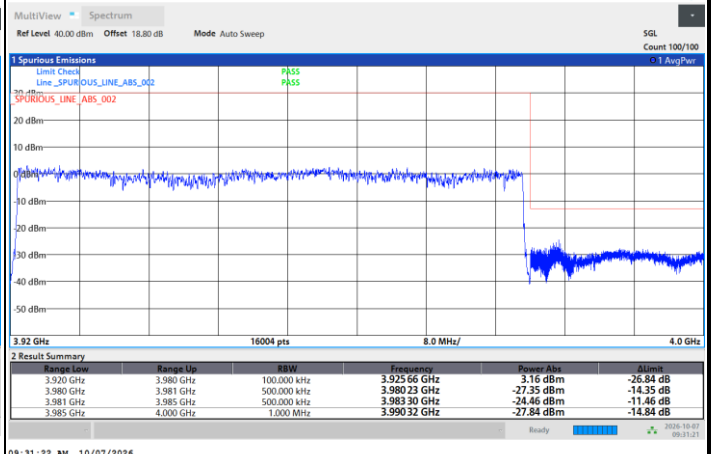
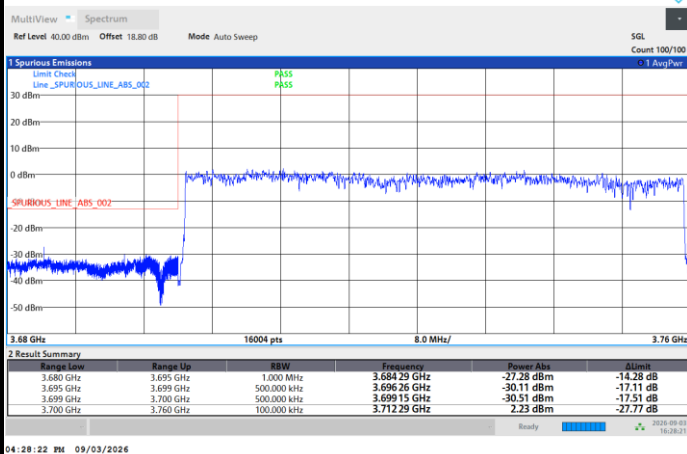
Highest Band Edge / Full RB



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

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

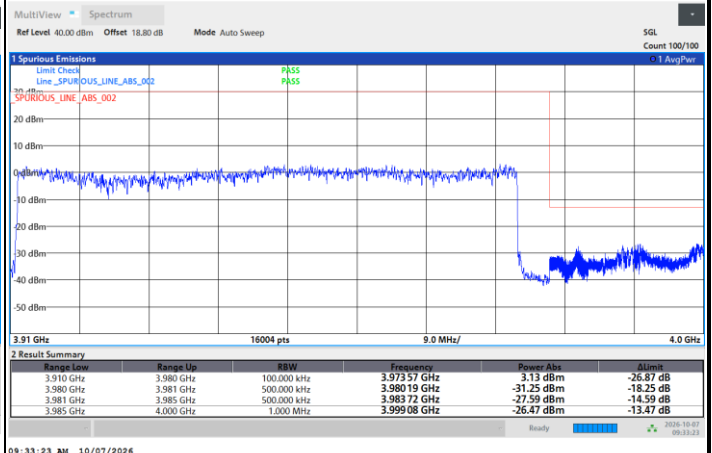
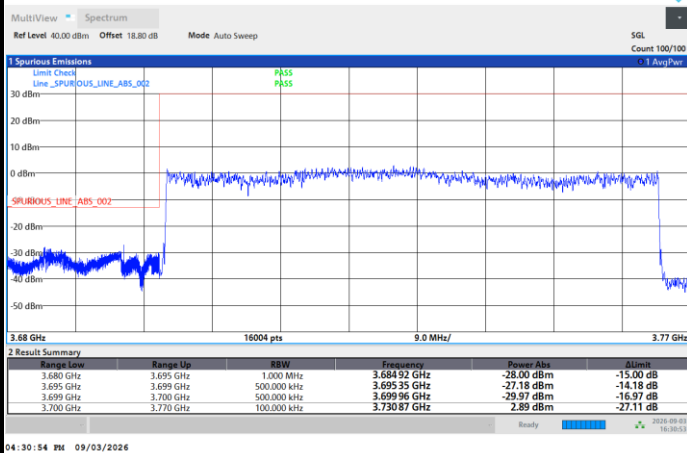




FR1 n77 / 70MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

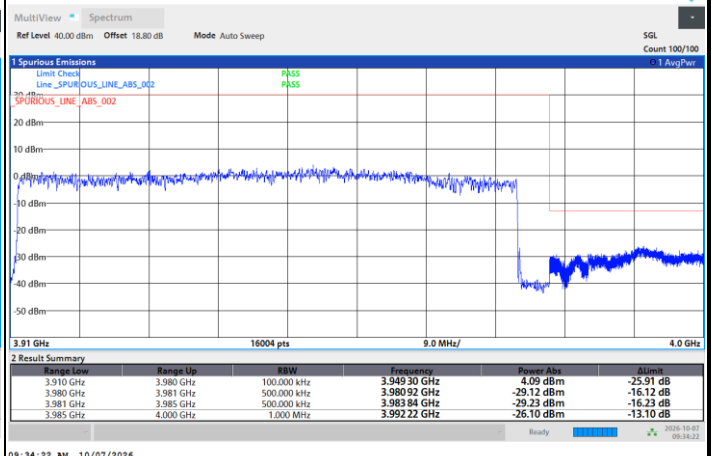
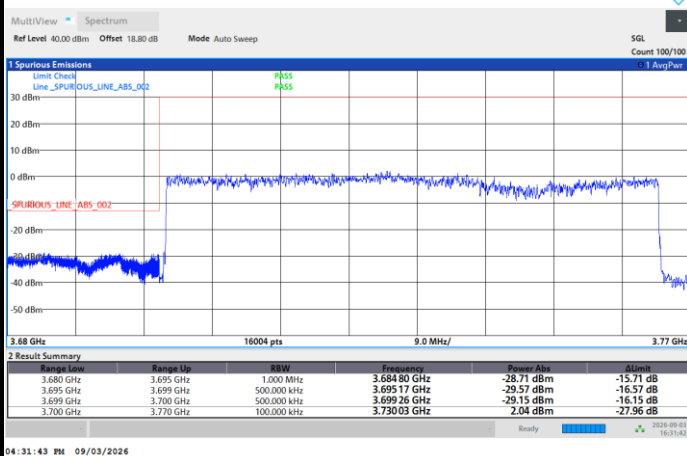
Highest Band Edge / Full RB



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

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

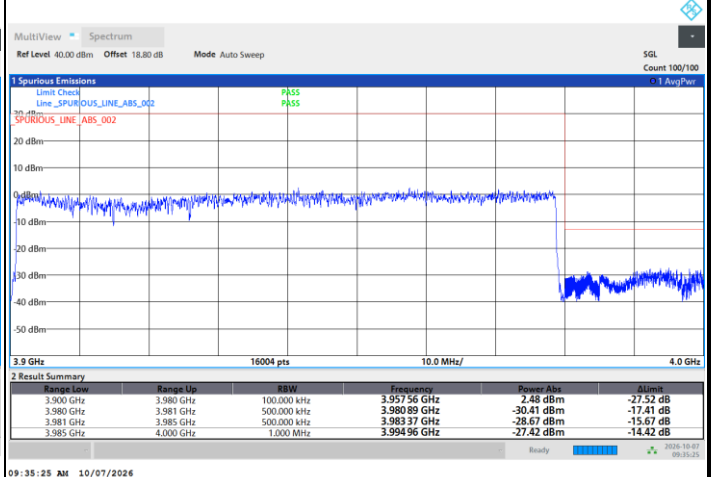
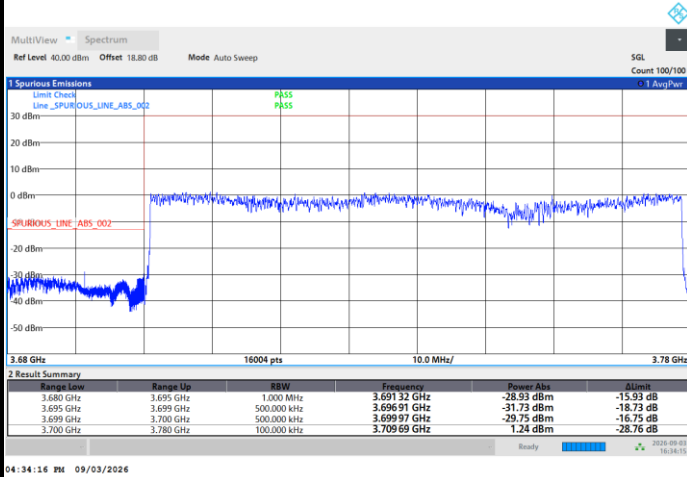




FR1 n77 / 80MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

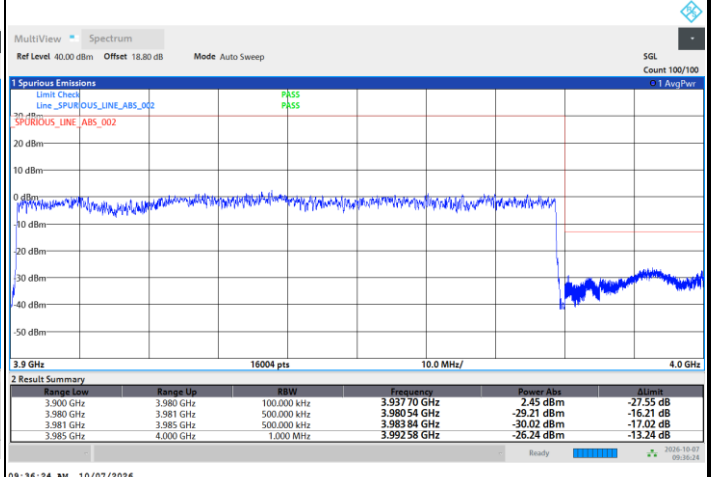
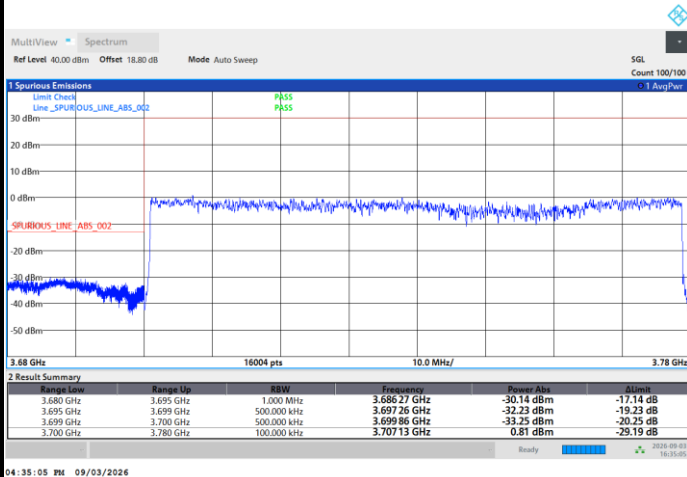
Highest Band Edge / Full RB



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

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

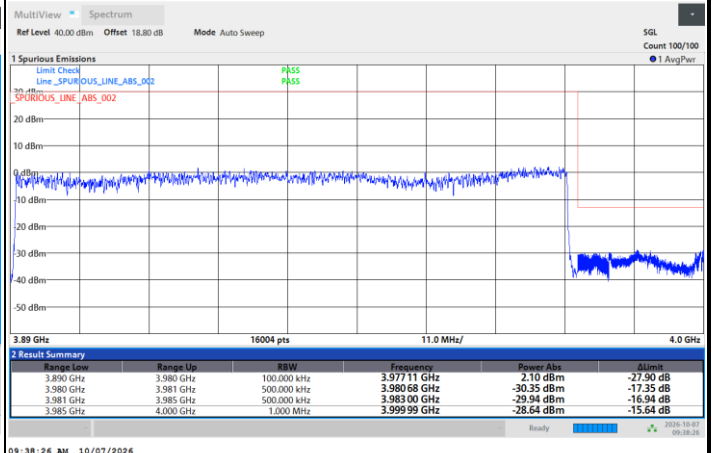
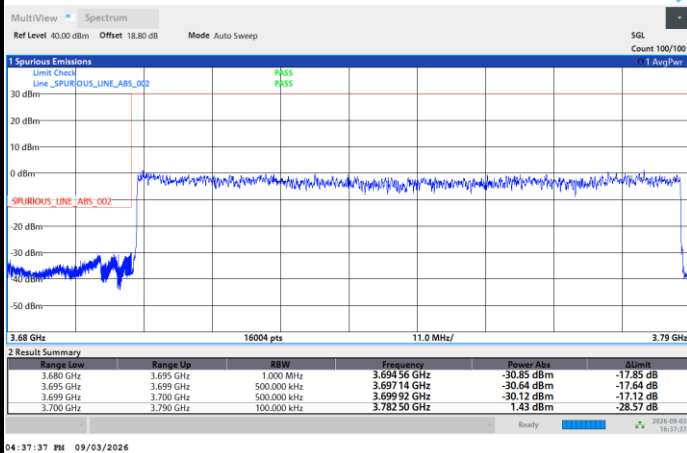




FR1 n77 / 90MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

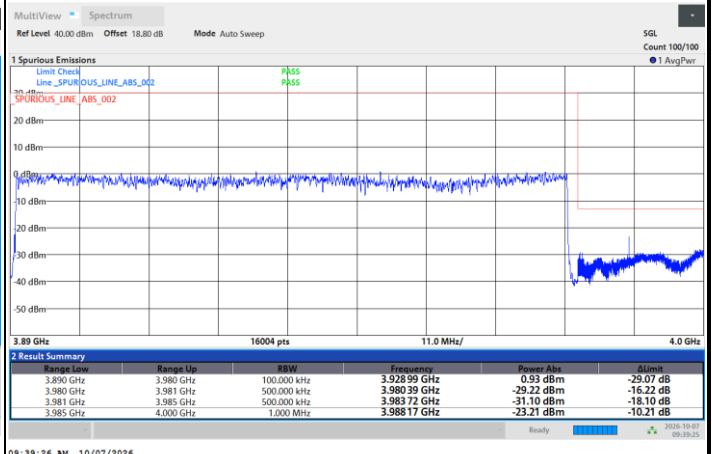
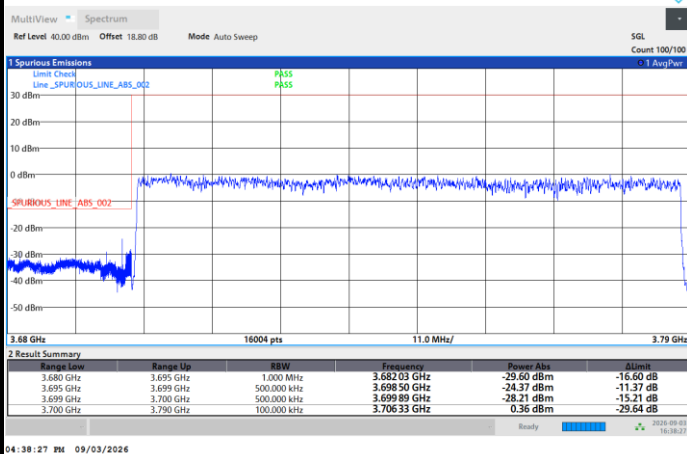
Highest Band Edge / Full RB



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

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

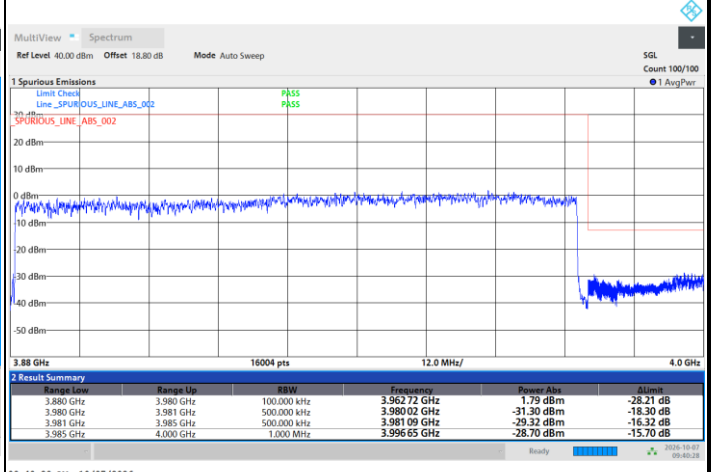
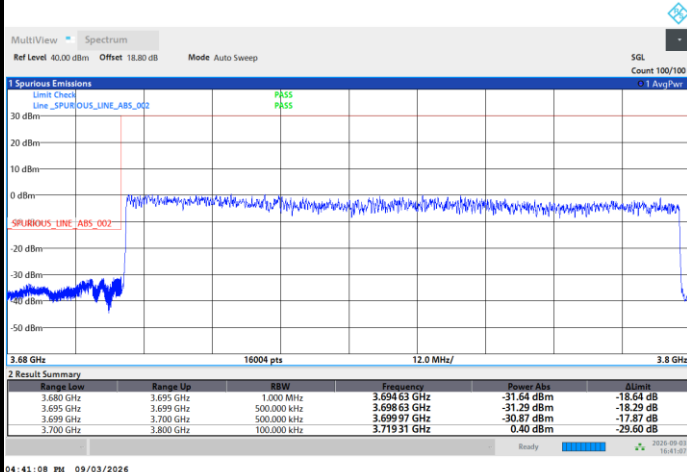




FR1 n77 / 100MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

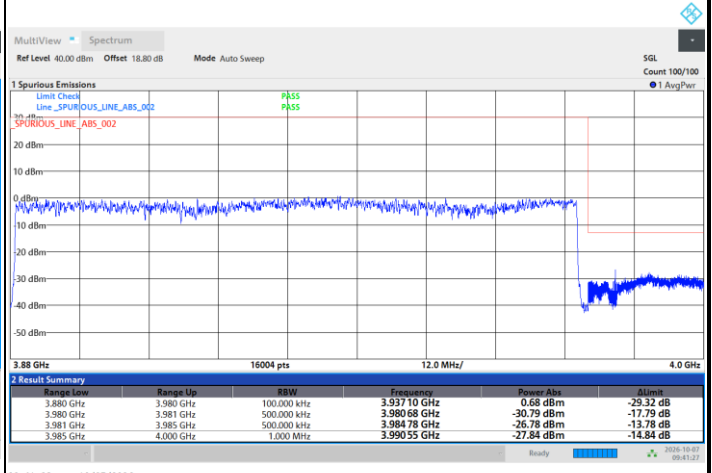
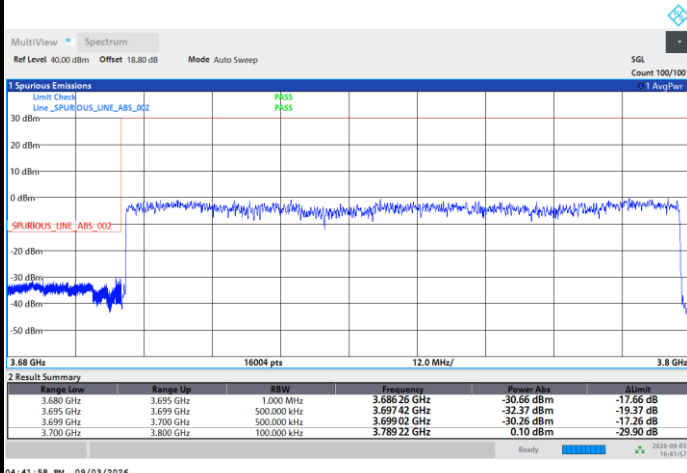
Highest Band Edge / Full RB



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

Lowest Band Edge / Full RB

Highest Band Edge / Full RB





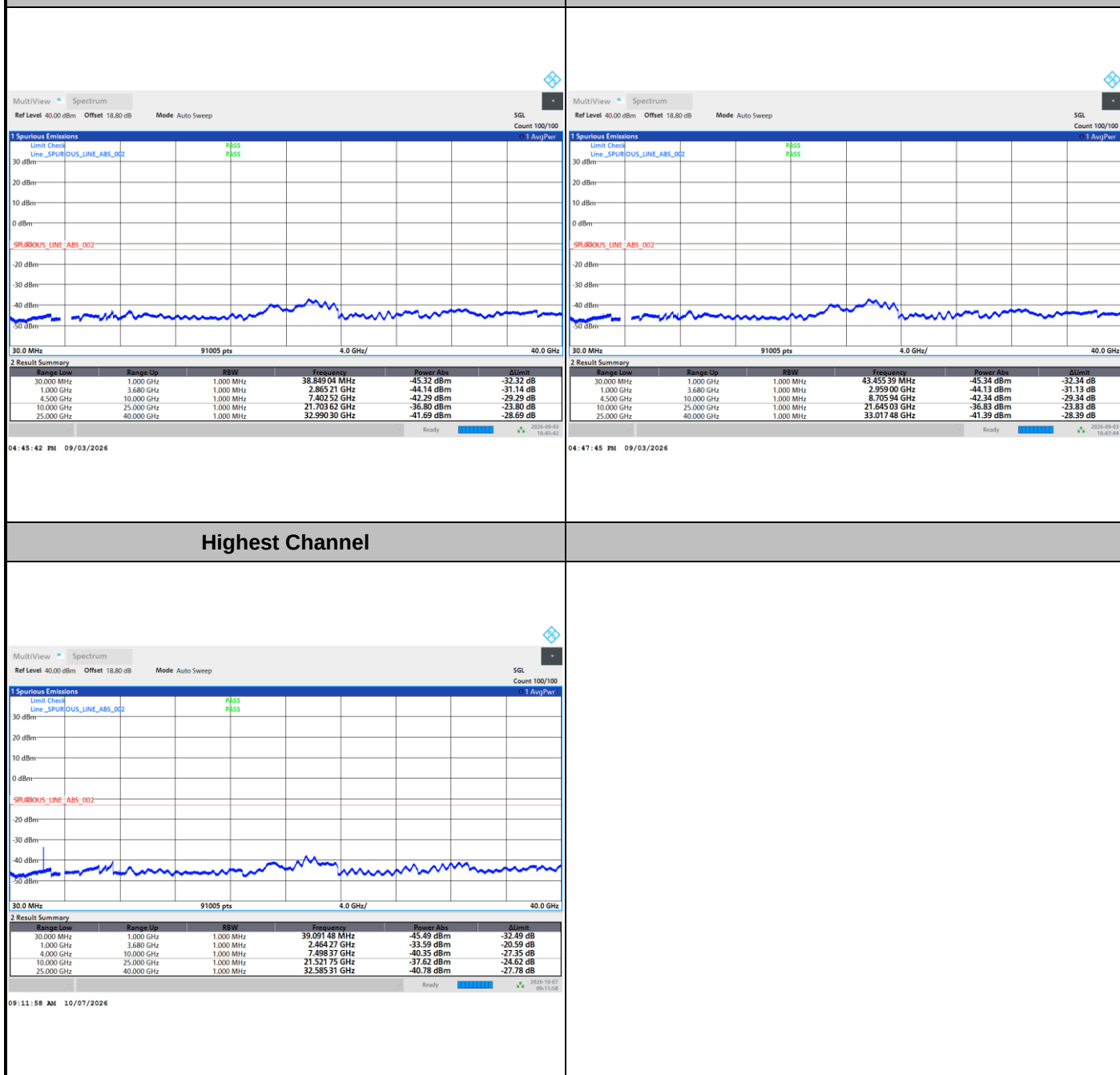
Conducted Spurious Emission

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	0.0021	8.1	Yes	PASS
40	Normal Voltage	0.0039	15.1	Yes	
30	Normal Voltage	0.0028	10.9	Yes	
20(Ref.)	Normal Voltage	0.0000	0	Yes	
10	Normal Voltage	0.0012	4.6	Yes	
0	Normal Voltage	0.0011	4.1	Yes	
-10	Normal Voltage	0.0030	11.7	Yes	
-20	Normal Voltage	0.0003	1.2	Yes	
-30	Normal Voltage	0.0038	14.6	Yes	
20	Maximum Voltage	0.0042	16.3	Yes	
20	Normal Voltage	0.0000	0	Yes	
20	Minimum Voltage	0.0041	15.7	Yes	

Note:

1. Normal Voltage = 3.81 V. ; Minimum Voltage = 3.4 V. ; Maximum Voltage = 4.53 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_Part27Q****<TxD Mode>****MIMO <Ant. 5+3> (Ant. 5)****Peak-to-Average Ratio**

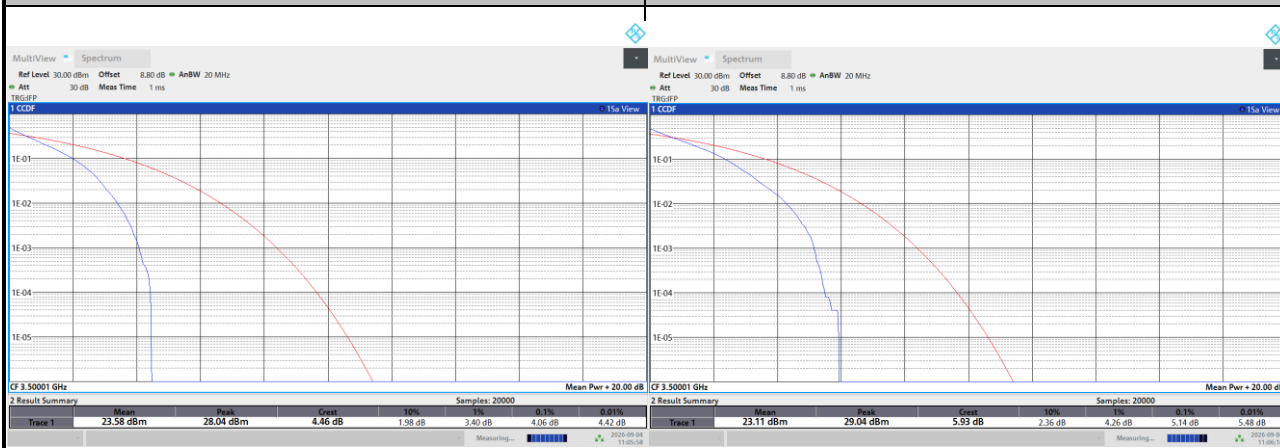
Mode	FR1 n77 / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.06	5.14	5.86	6.22	PASS
Mode	FR1 n77 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.56				PASS



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

PI/2 BPSK

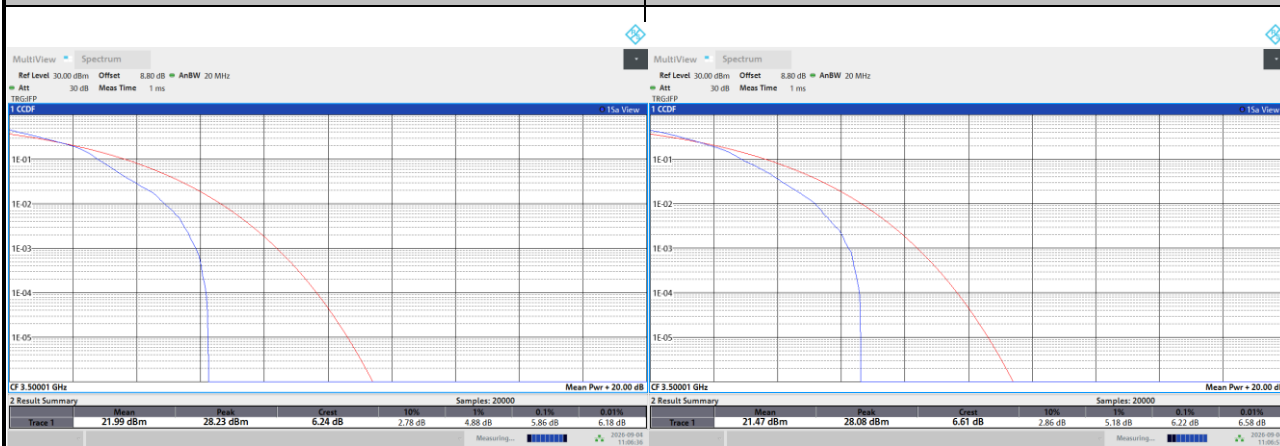
QPSK



11:05:58 AM 09/04/2026

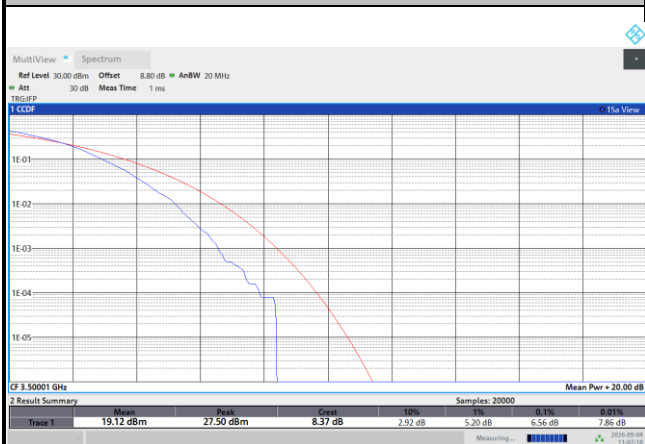
16QAM

64QAM



11:06:37 AM 09/04/2026

256QAM



11:07:18 AM 09/04/2026

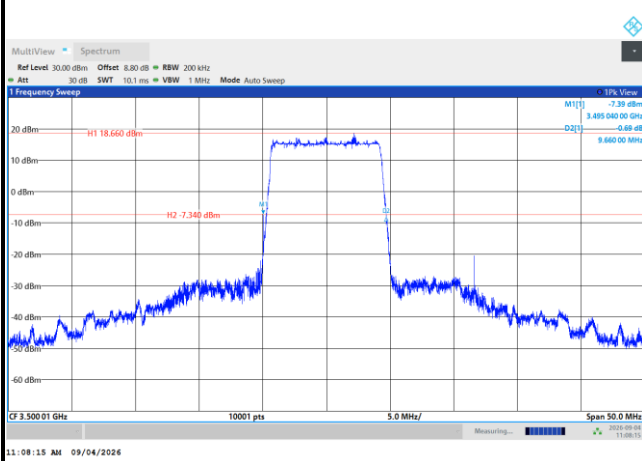
**26dB Bandwidth**

Mode	FR1 n77 : 26dB BW(MHz) / DFT-S OFDM							
BW	10MHz		15MHz		20MHz		25MHz	
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK
Middle CH	9.66	9.97	13.84	13.98	19.36	19.14	24.26	24.23
Mod.	16QAM		16QAM		16QAM		16QAM	
Middle CH	9.49		14.68		19.17		24.27	
BW	30MHz		40MHz		50MHz		60MHz	
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK
Middle CH	29.77	29.46	38.18	38.34	48.34	48.26	62.59	62.89
Mod.	16QAM		16QAM		16QAM		16QAM	
Middle CH	29.41		38.39		48.33		62.71	
BW	70MHz		80MHz		90MHz		100MHz	
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK
Middle CH	69.36	69.20	81.98	82.32	91.87	91.85	101.29	101.66
Mod.	16QAM		16QAM		16QAM		16QAM	
Middle CH	69.22		85.74		91.77		101.54	

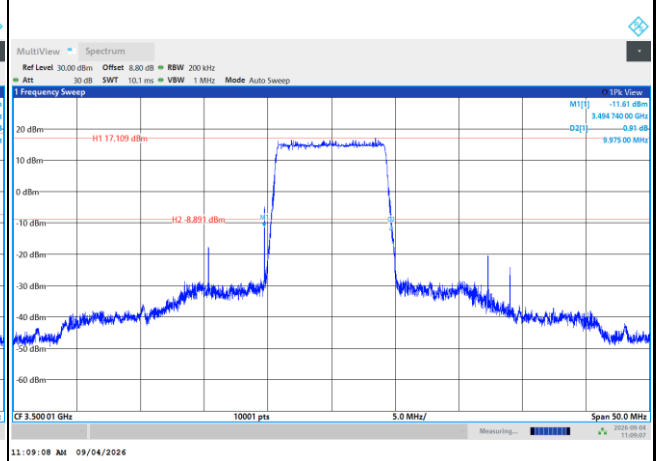


FR1 n77 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

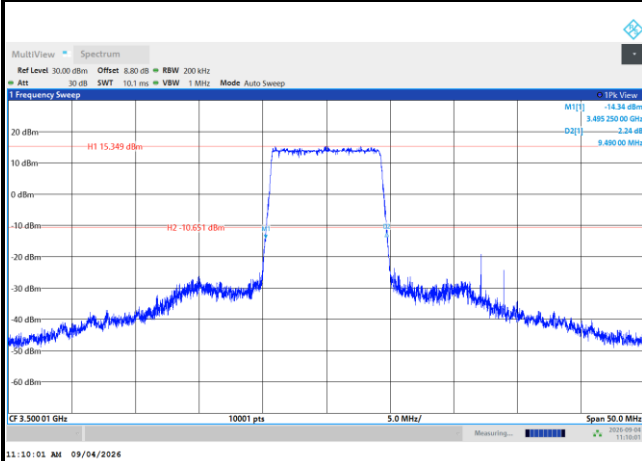
PI/2 BPSK



QPSK



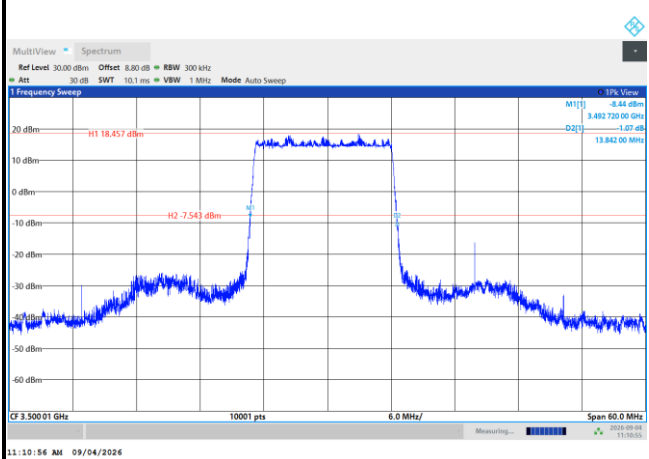
16QAM



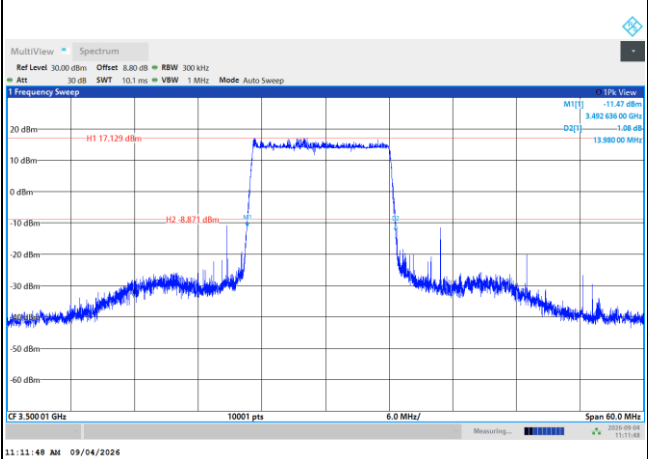


FR1 n77 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

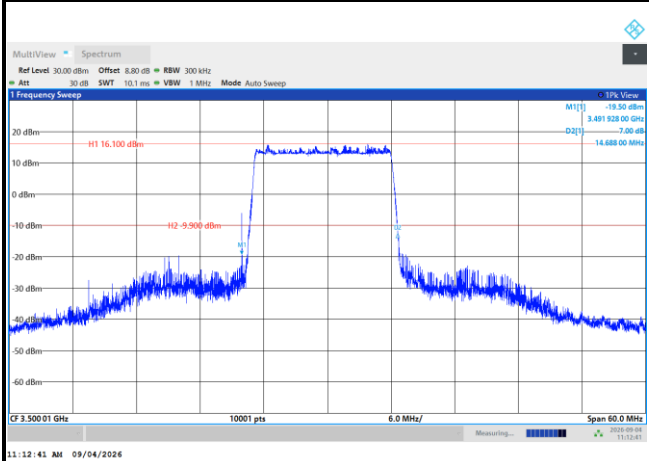
PI/2 BPSK



QPSK



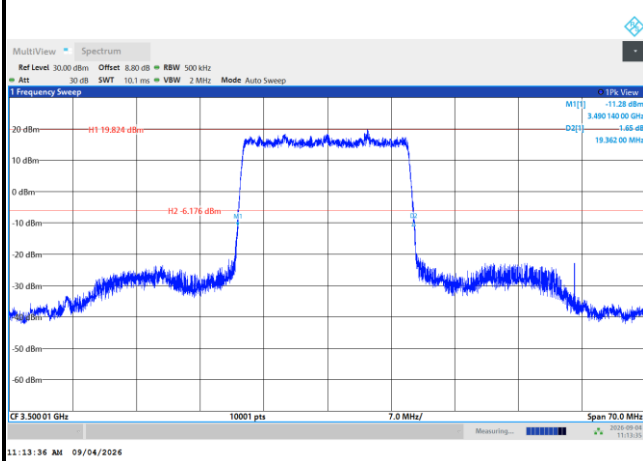
16QAM



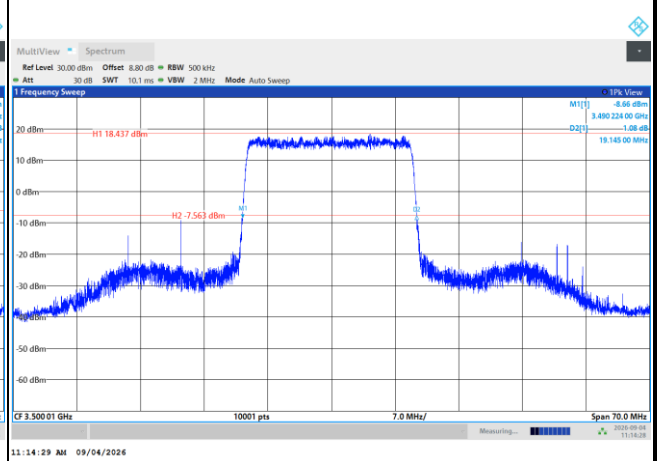


FR1 n77 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

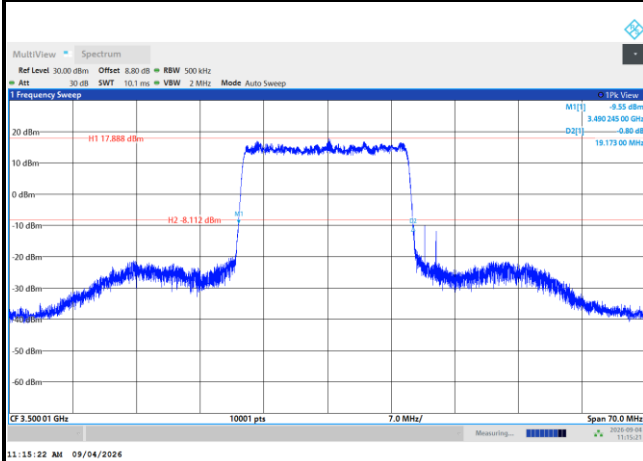
PI/2 BPSK



QPSK



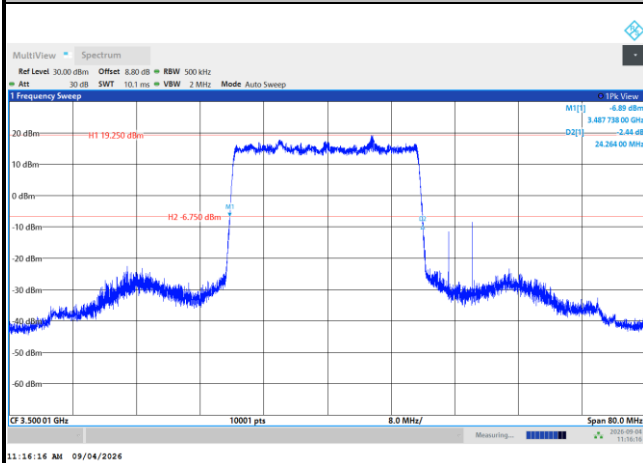
16QAM



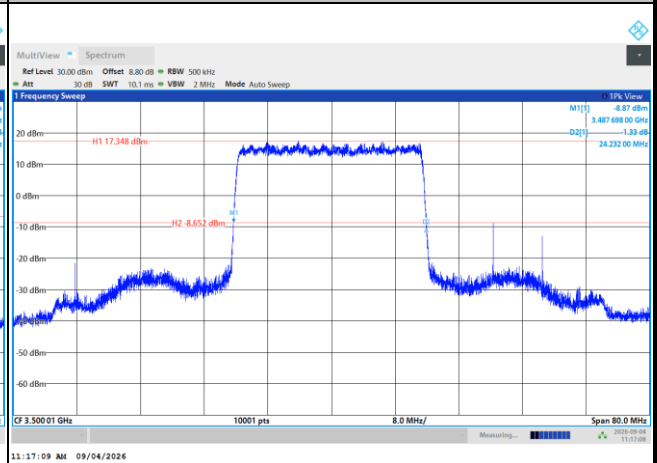


FR1 n77 / 25MHz / DFT-S OFDM / Middle Channel / Full RB

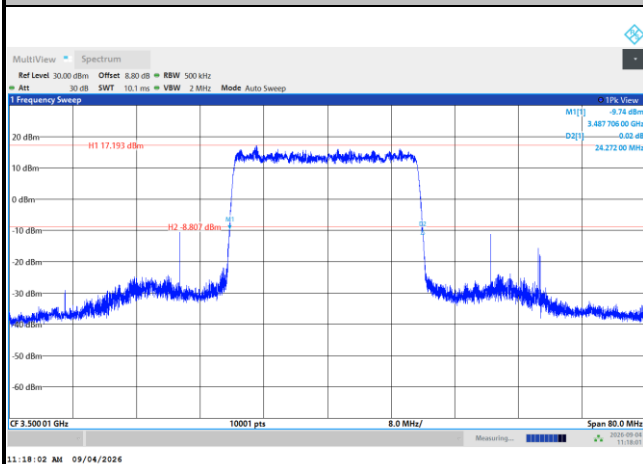
PI/2 BPSK



QPSK



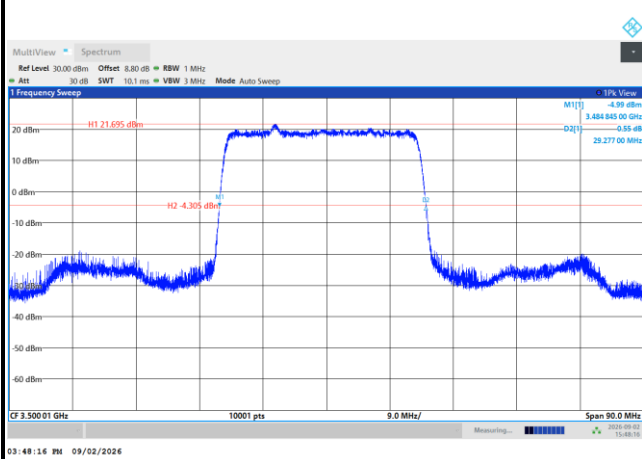
16QAM



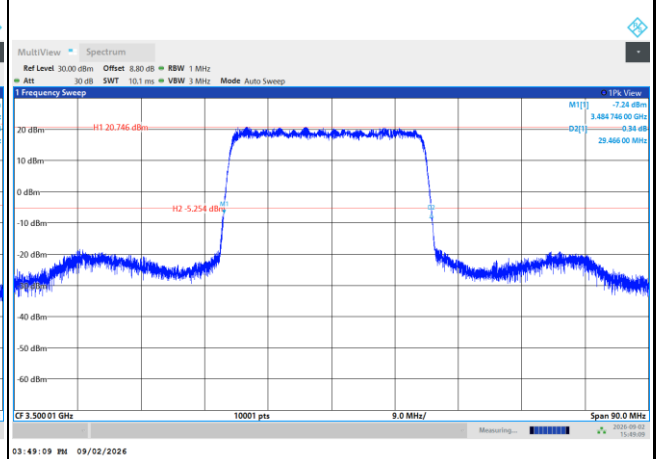


FR1 n77 / 30MHz / DFT-S OFDM / Middle Channel / Full RB

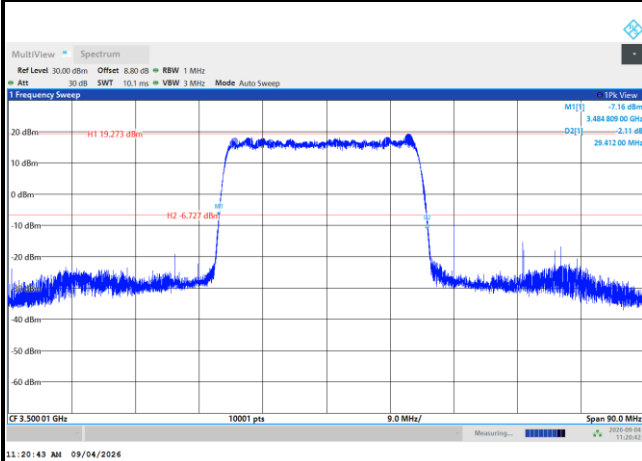
PI/2 BPSK

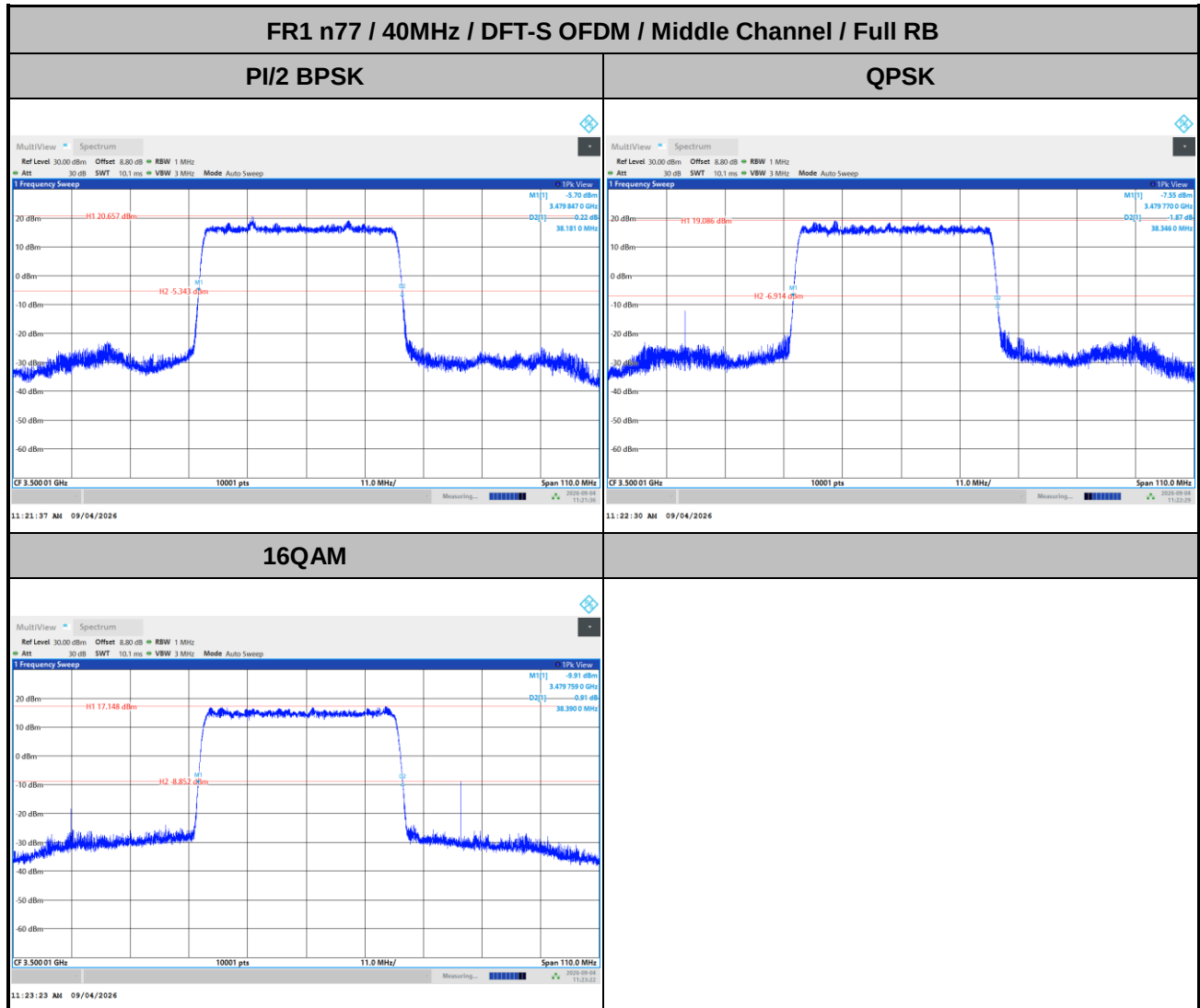


QPSK



16QAM

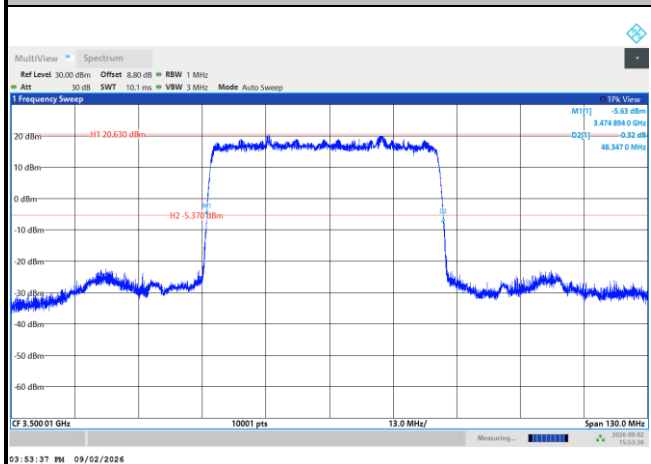




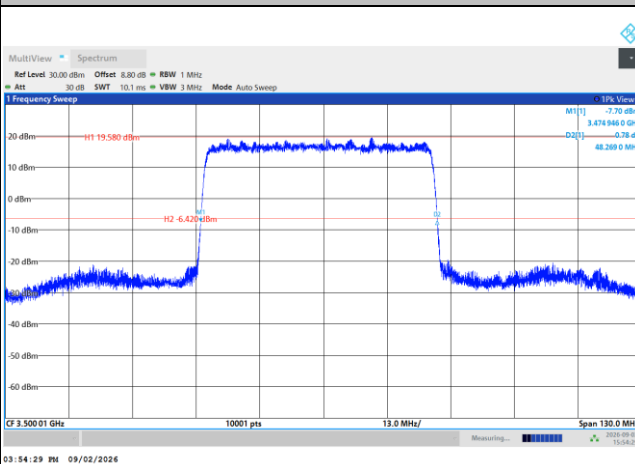


FR1 n77 / 50MHz / DFT-S OFDM / Middle Channel / Full RB

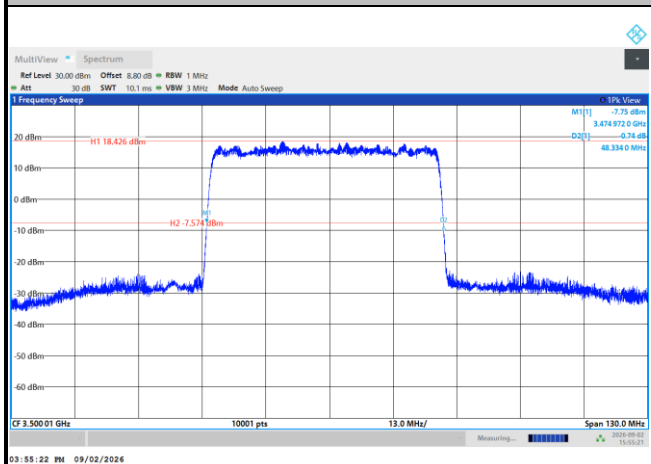
PI/2 BPSK

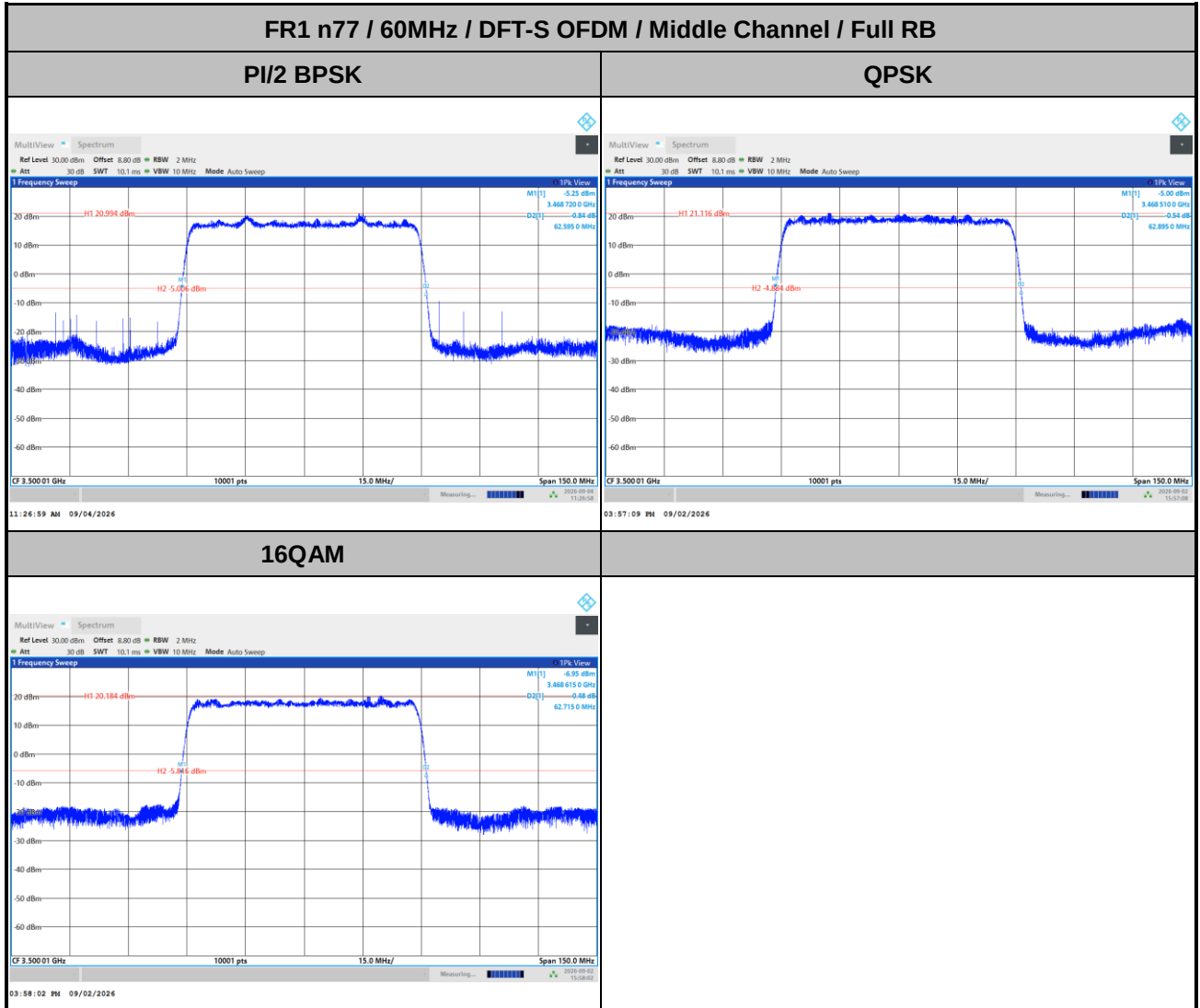


QPSK



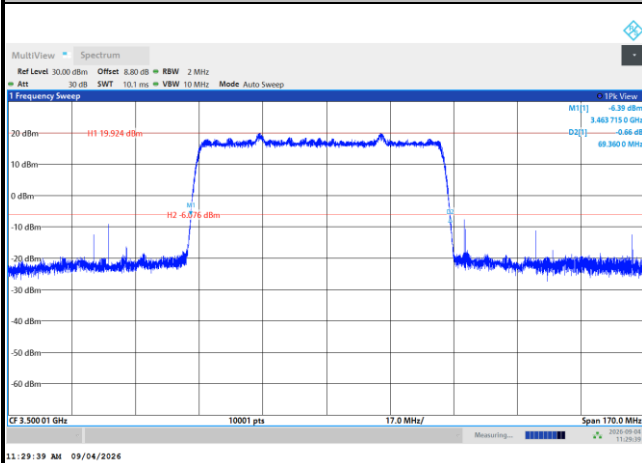
16QAM



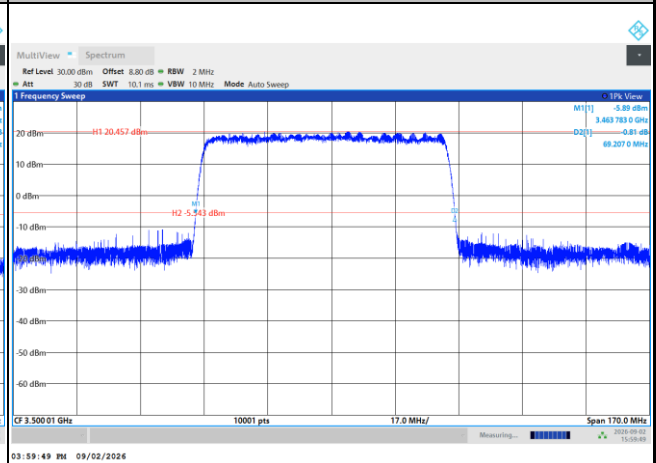




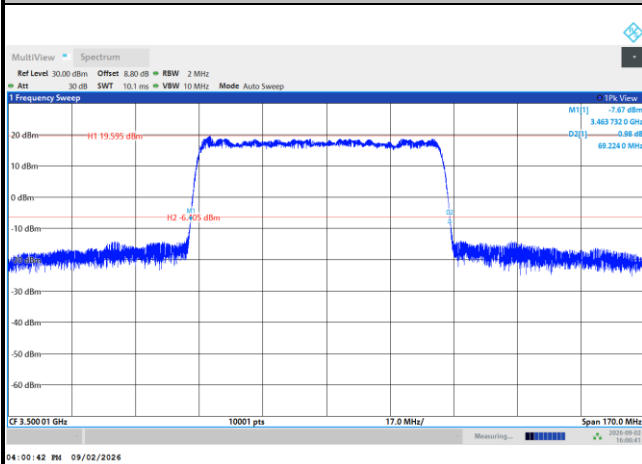
FR1 n77 / 70MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

QPSK



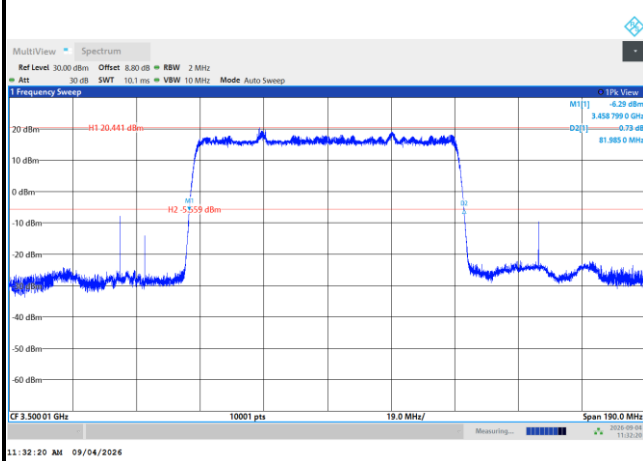
16QAM



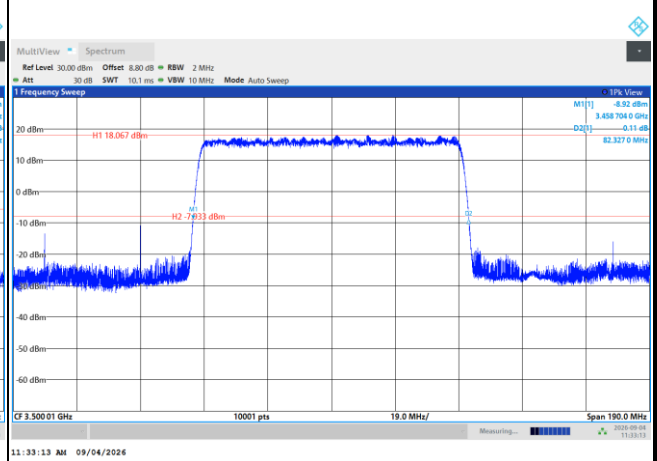


FR1 n77 / 80MHz / DFT-S OFDM / Middle Channel / Full RB

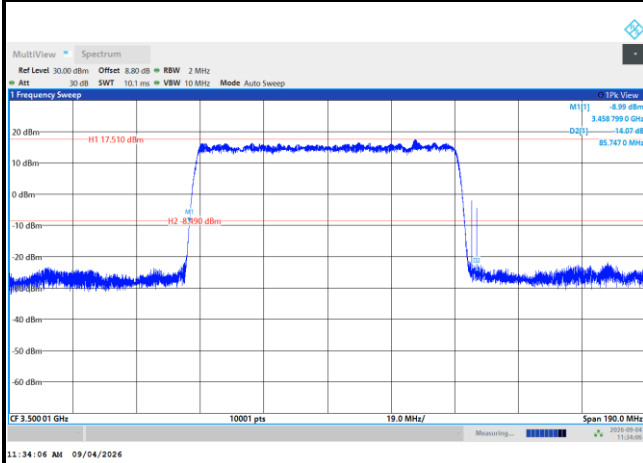
PI/2 BPSK



QPSK



16QAM

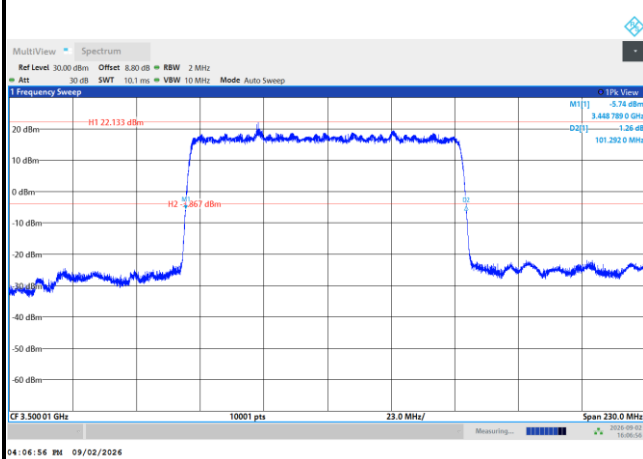




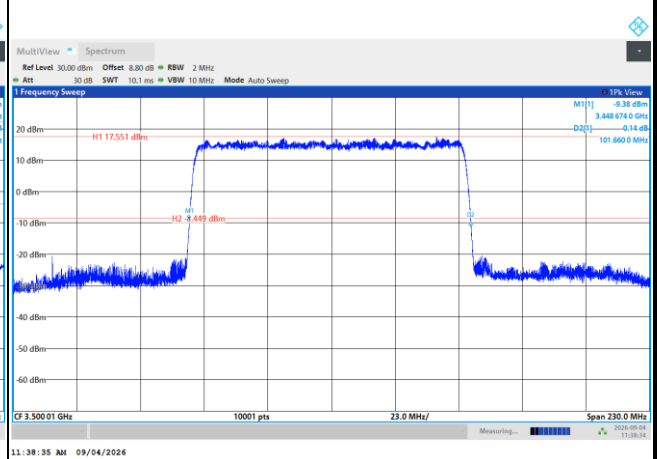


FR1 n77 / 100MHz / DFT-S OFDM / Middle Channel / Full RB

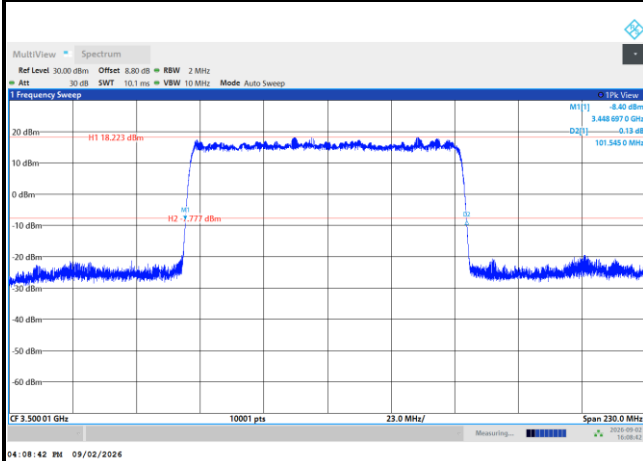
PI/2 BPSK



QPSK



16QAM



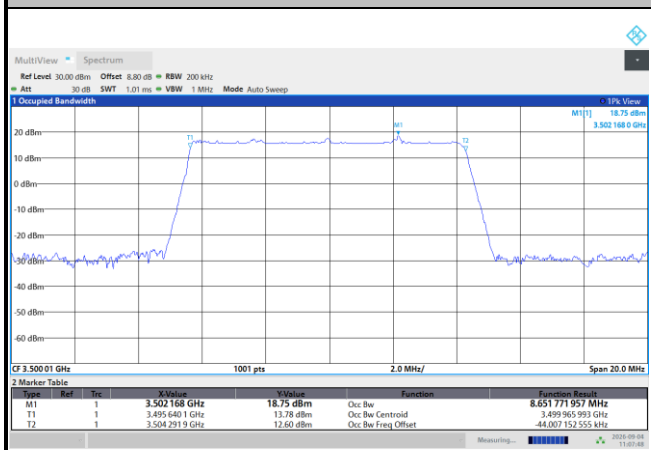
**Occupied Bandwidth**

Mode	FR1 n77 : 99%OBW(MHz) / DFT-S OFDM							
BW	10MHz		15MHz		20MHz		25MHz	
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK
Middle CH	8.65	8.64	12.93	12.99	18.14	18.00	23.06	23.03
Mod.	16QAM		16QAM		16QAM		16QAM	
Middle CH	8.60		12.94		18.00		22.92	
BW	30MHz		40MHz		50MHz		60MHz	
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK
Middle CH	27.24	27.27	36.12	36.04	45.90	45.80	58.48	58.53
Mod.	16QAM		16QAM		16QAM		16QAM	
Middle CH	27.13		35.94		45.90		58.37	
BW	70MHz		80MHz		90MHz		100MHz	
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK
Middle CH	65.11	64.78	77.63	77.43	87.21	86.89	96.63	96.51
Mod.	16QAM		16QAM		16QAM		16QAM	
Middle CH	64.81		77.42		86.98		96.57	



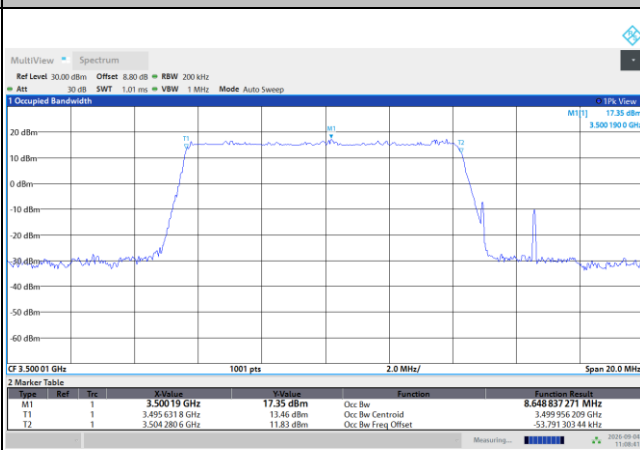
FR1 n77 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



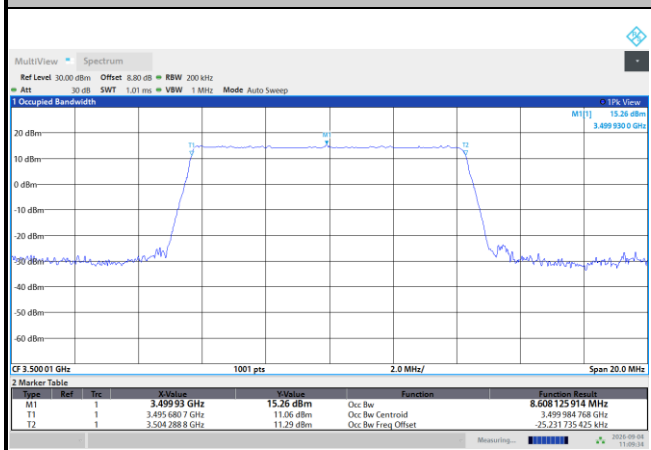
11:07:49 AM 09/04/2026

QPSK



11:08:42 AM 09/04/2026

16QAM

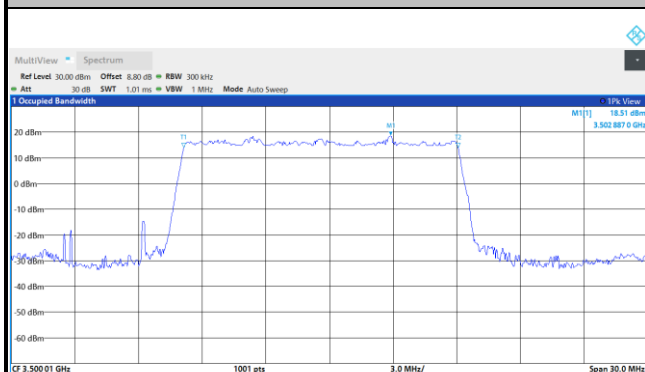


11:09:35 AM 09/04/2026



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

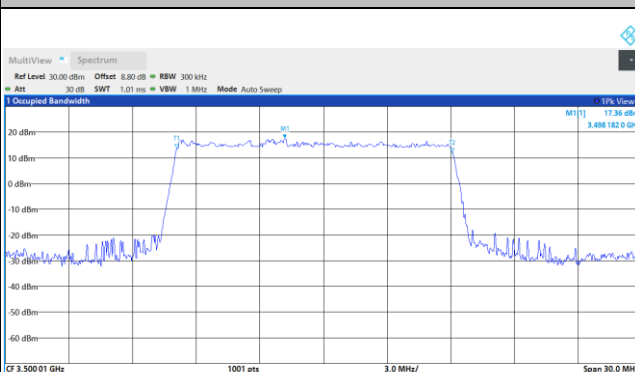
PI/2 BPSK



Type	Ref	Tic	X-Value	Y-Value	Function	Function Result
M1	1		3.502887 GHz	18.51 dBm	Occ Bw	12.934873853 MHz
T1	1		3.4931365 GHz	14.09 dBm	Occ Bw Centroid	3.499603956 GHz
T2	1		3.5060714 GHz	14.06 dBm	Occ Bw Freq Offset	-486.084014664 kHz

11:10:29 AM 09/04/2026

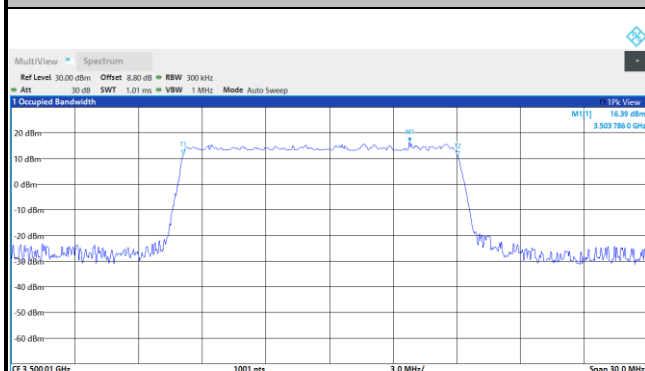
QPSK



Type	Ref	Tic	X-Value	Y-Value	Function	Function Result
M1	1		3.498182 GHz	17.36 dBm	Occ Bw	12.995086753 MHz
T1	1		3.4930845 GHz	13.54 dBm	Occ Bw Centroid	3.499582078 GHz
T2	1		3.5060756 GHz	13.94 dBm	Occ Bw Freq Offset	-427.9217927544 kHz

11:11:22 AM 09/04/2026

16QAM



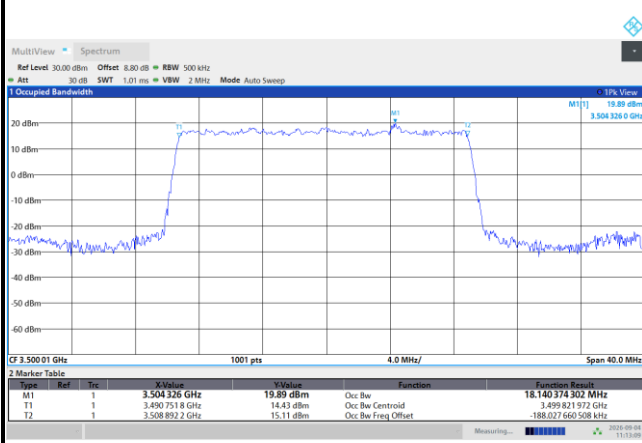
Type	Ref	Tic	X-Value	Y-Value	Function	Function Result
M1	1		3.503786 GHz	16.39 dBm	Occ Bw	12.941916055 MHz
T1	1		3.4931201 GHz	11.57 dBm	Occ Bw Centroid	3.499591077 GHz
T2	1		3.506062 GHz	10.99 dBm	Occ Bw Freq Offset	-418.92270643 kHz

11:12:15 AM 09/04/2026



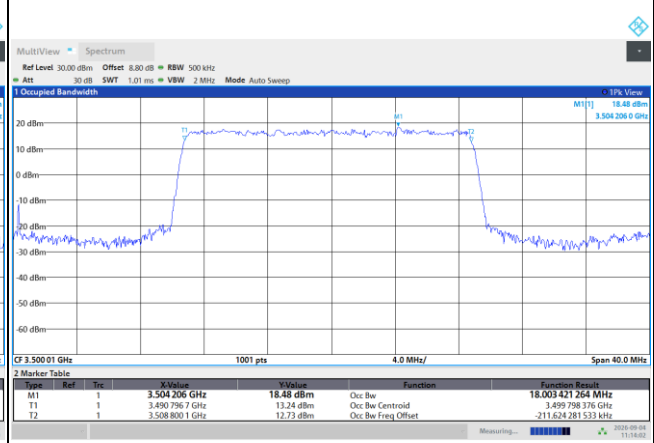
FR1 n77 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



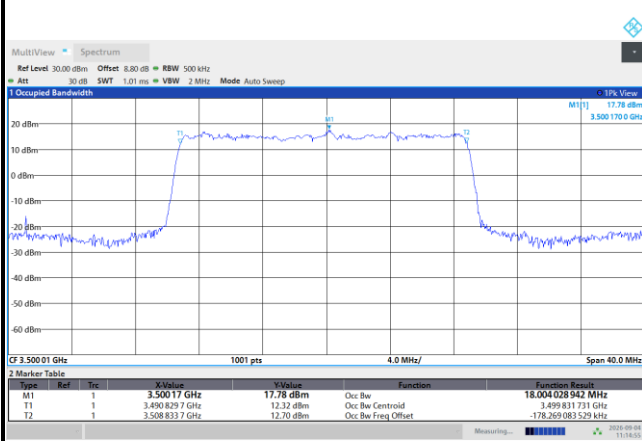
11:13:10 AM 09/04/2026

QPSK



11:14:03 AM 09/04/2026

16QAM



11:14:56 AM 09/04/2026

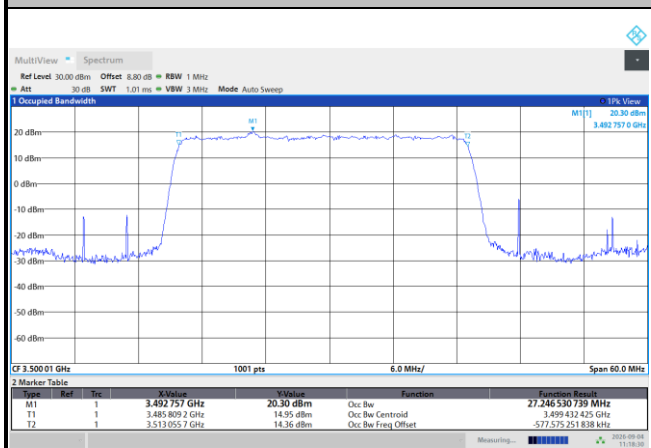


11:17:36 AM 09/04/2026



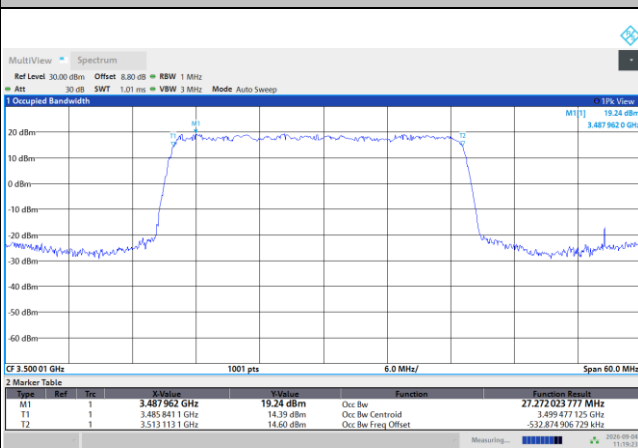
FR1 n77 / 30MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



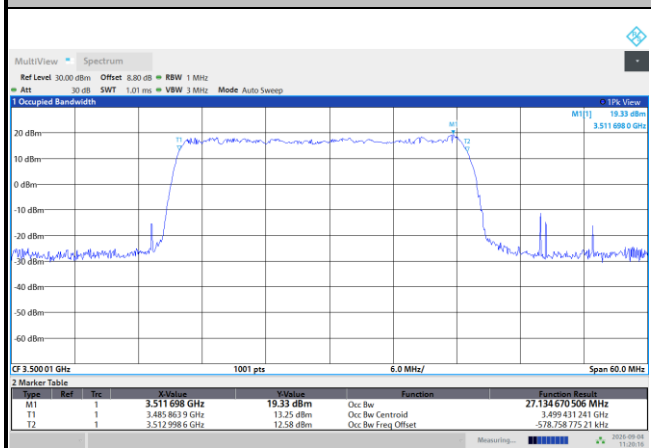
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QPSK



11:19:24 AM 09/04/2024

16QAM

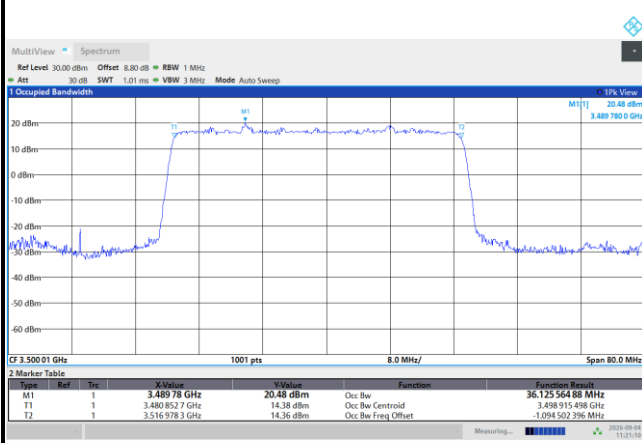


11:20:17 AM 09/04/2024



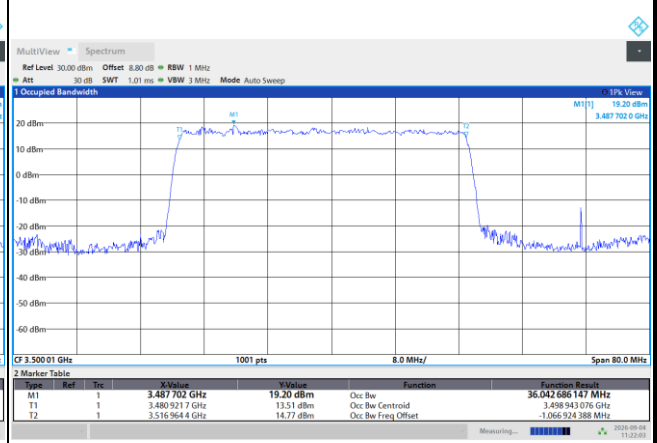
FR1 n77 / 40MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



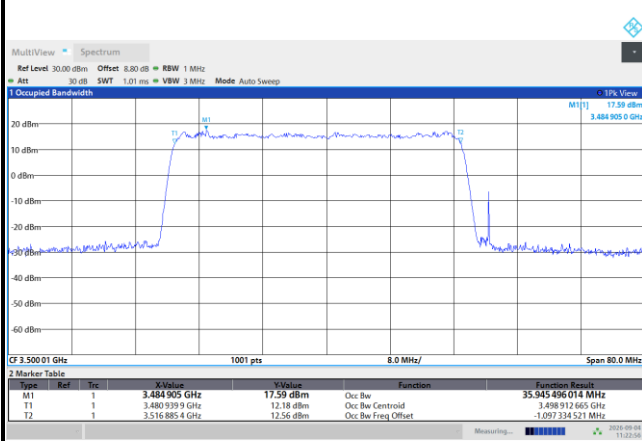
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QPSK



11:22:04 AM 09/04/2026

16QAM

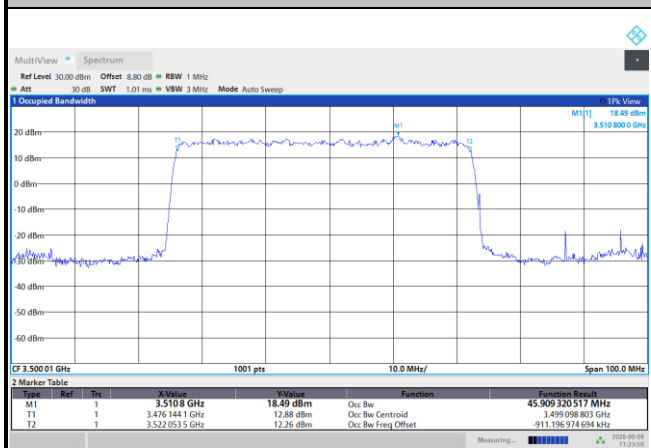


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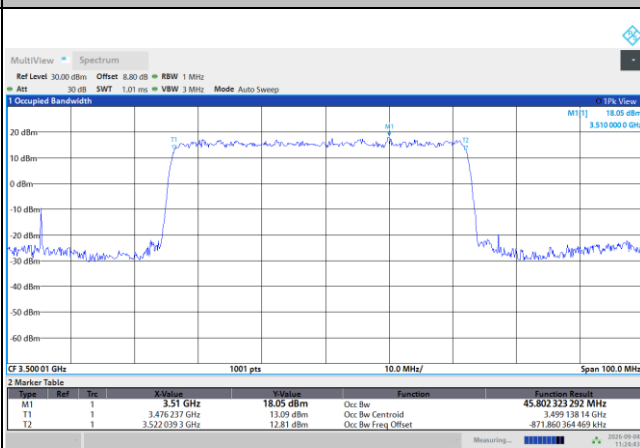
FR1 n77 / 50MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



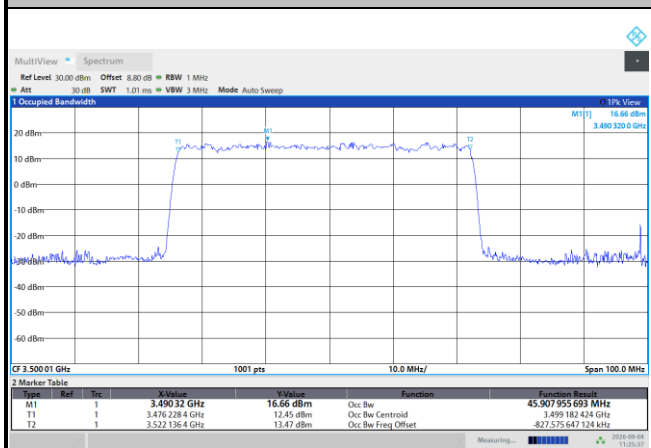
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QPSK



11:24:45 AM 09/04/2024

16QAM

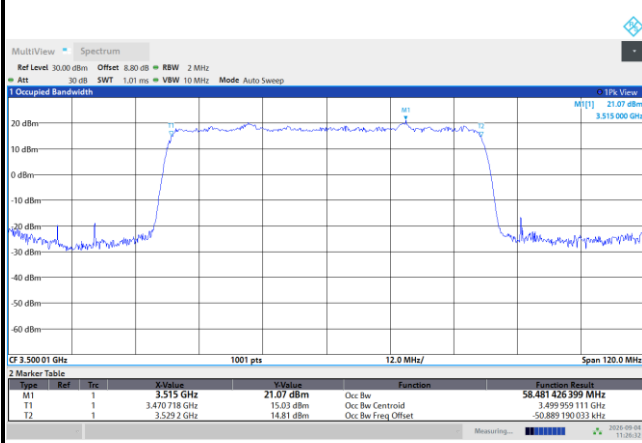


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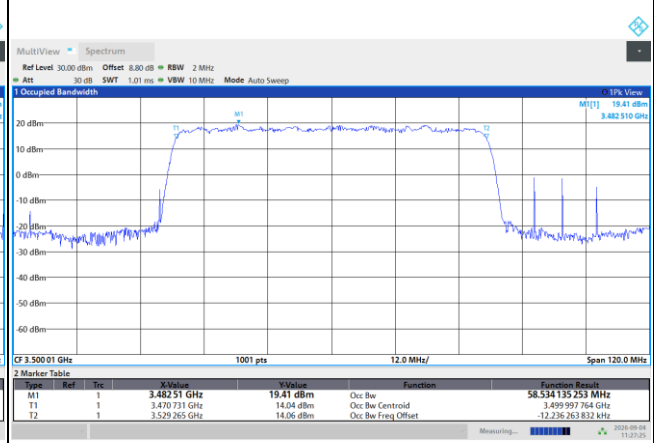
FR1 n77 / 60MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



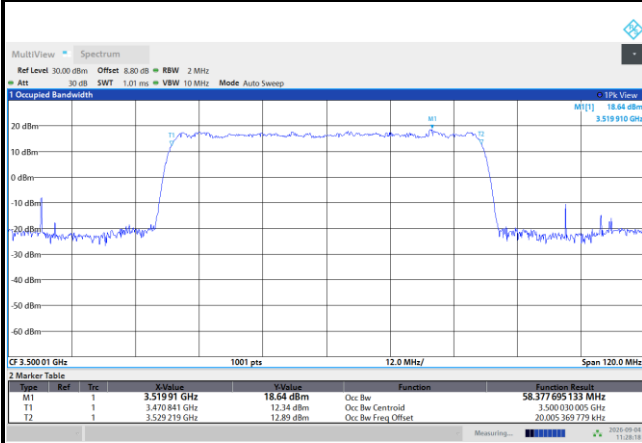
11:26:32 AM 09/04/2026

QPSK



11:27:25 AM 09/04/2026

16QAM



11:28:18 AM 09/04/2026