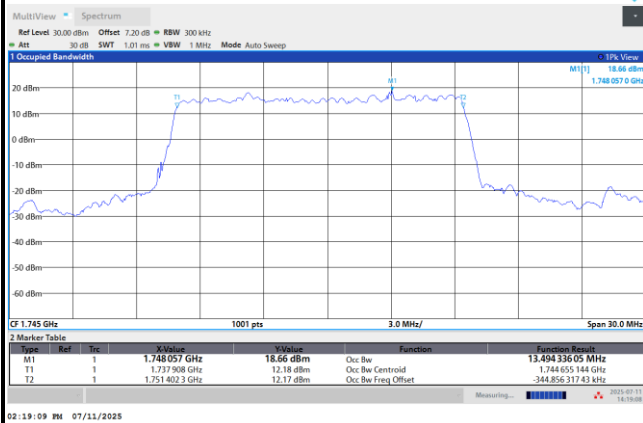




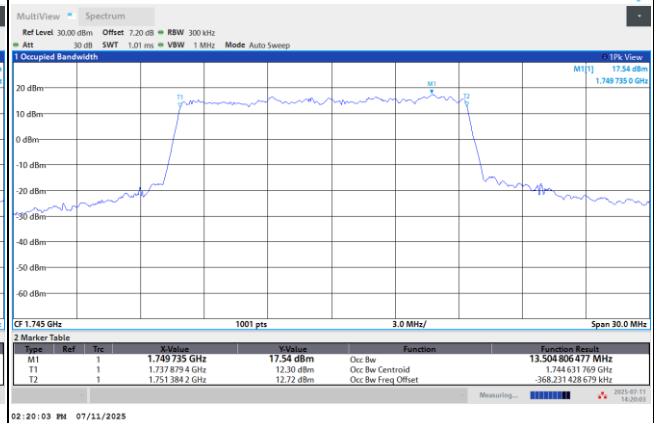
FR1 n66 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

QPSK



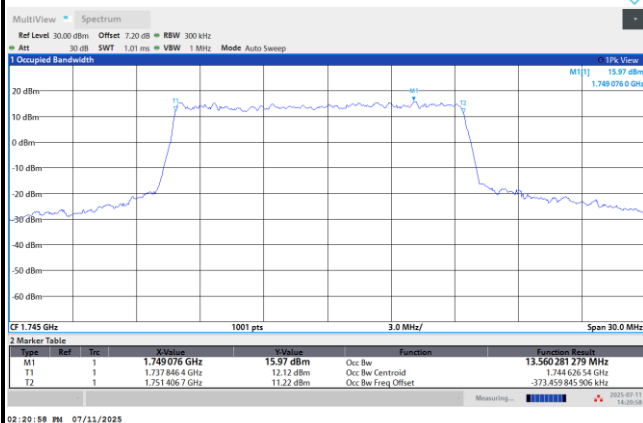
02:19:09 PM 07/11/2025

QPSK



02:20:03 PM 07/11/2025

16QAM

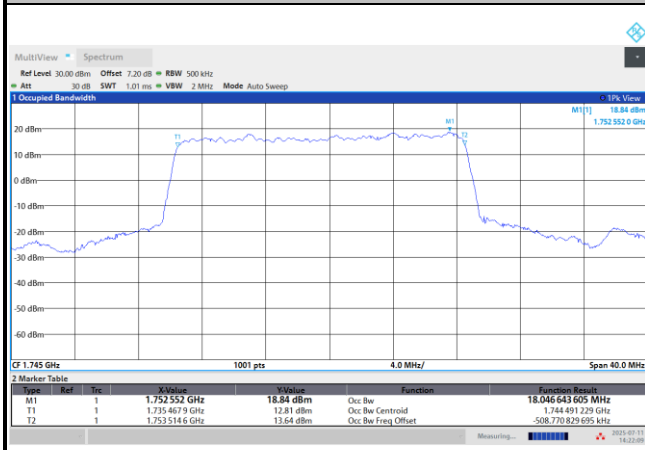


02:20:06 PM 07/11/2025



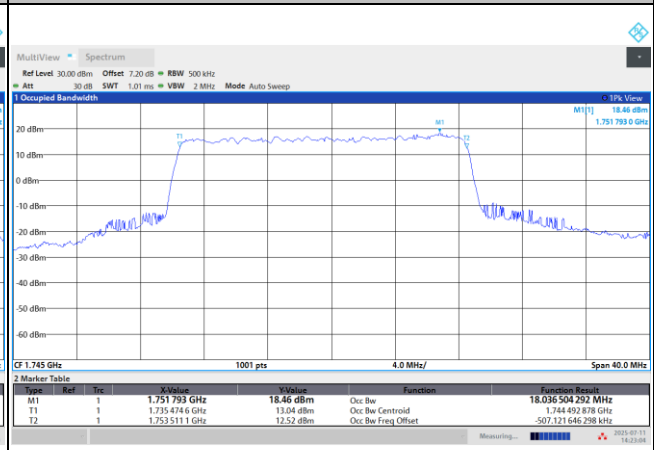
FR1 n66 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



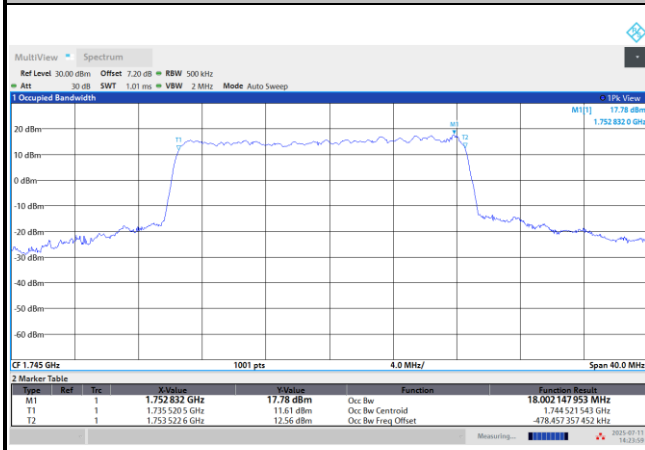
02:22:10 PM 07/11/2025

QPSK



02:23:05 PM 07/11/2025

16QAM

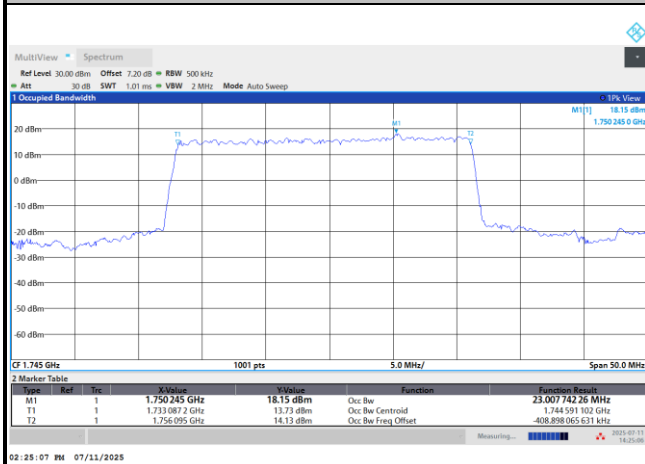


02:23:59 PM 07/11/2025



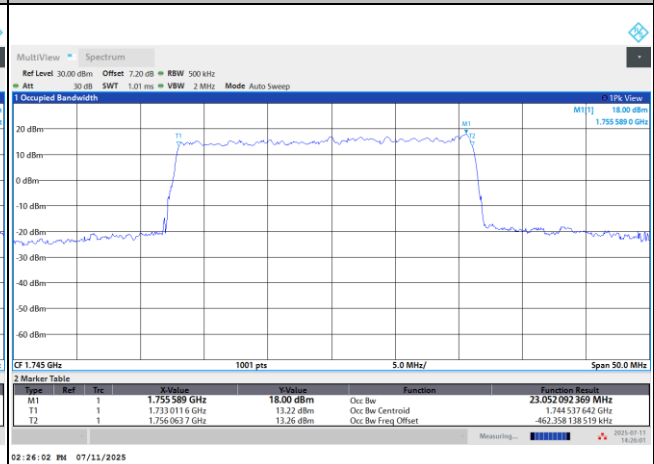
FR1 n66 / 25MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



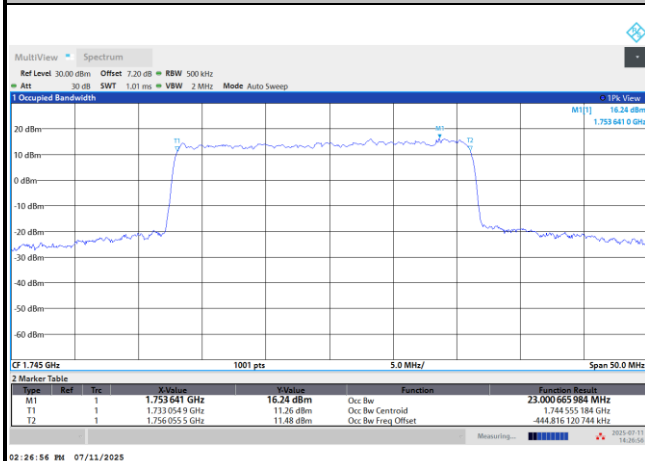
02:25:07 PM 07/11/2025

QPSK



02:26:02 PM 07/11/2025

16QAM

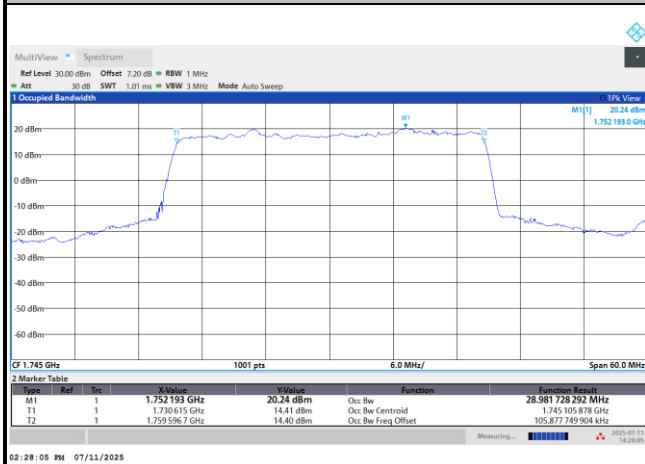


02:26:06 PM 07/11/2025



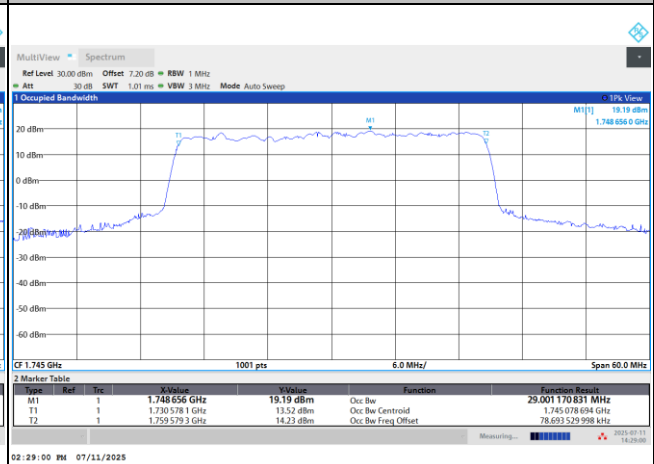
FR1 n66 / 30MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



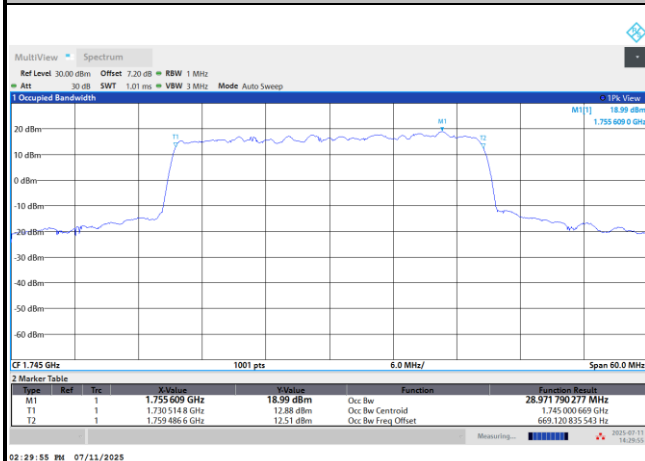
02:28:05 PM 07/11/2025

QPSK



02:29:00 PM 07/11/2025

16QAM



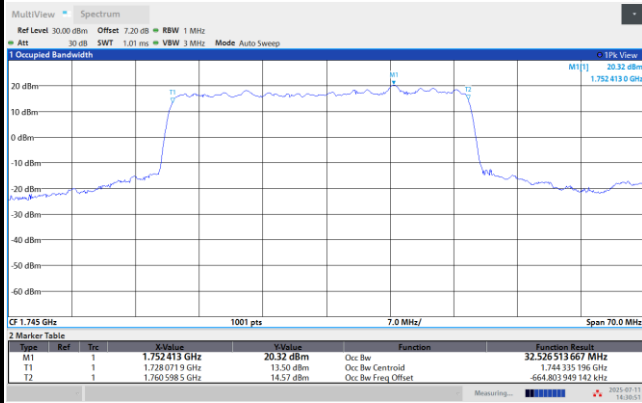
02:29:55 PM 07/11/2025



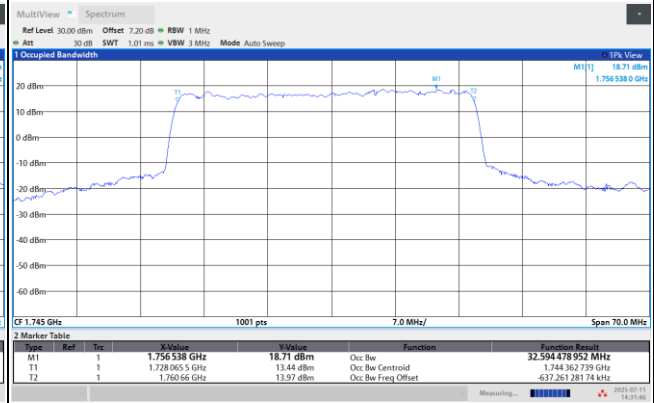
FR1 n66 / 35MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

QPSK

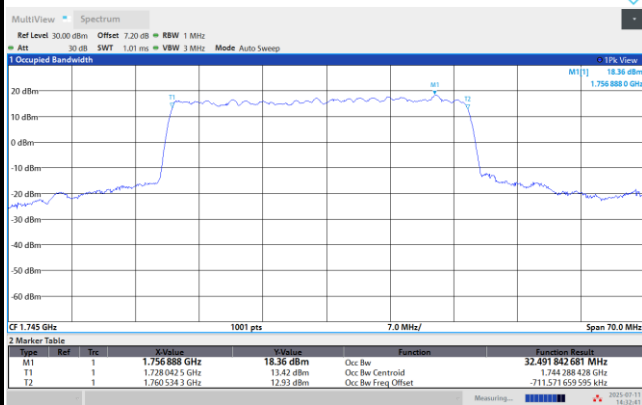


02:30:52 PM 07/11/2025



02:31:47 PM 07/11/2025

16QAM



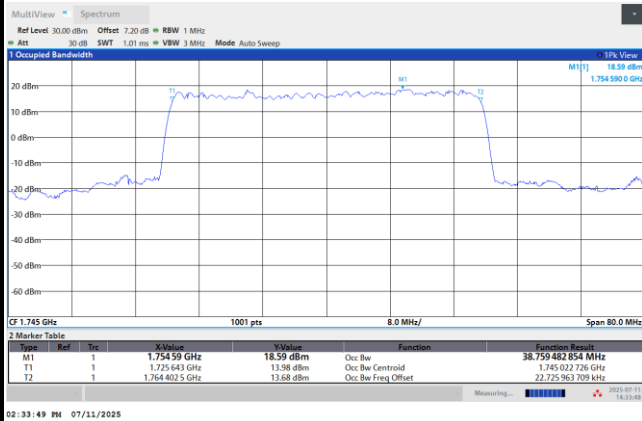
02:32:42 PM 07/11/2025



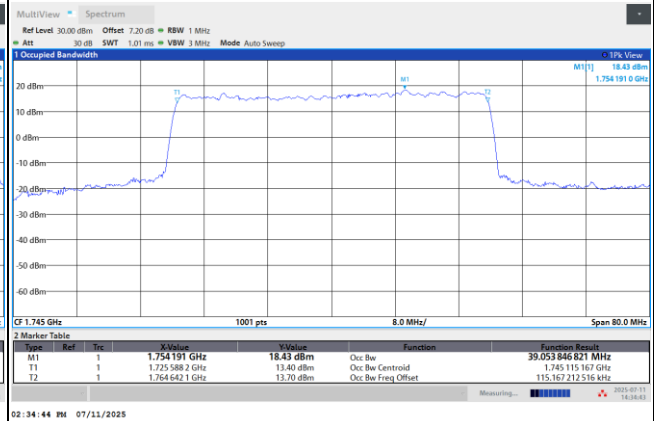
FR1 n66 / 40MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

QPSK

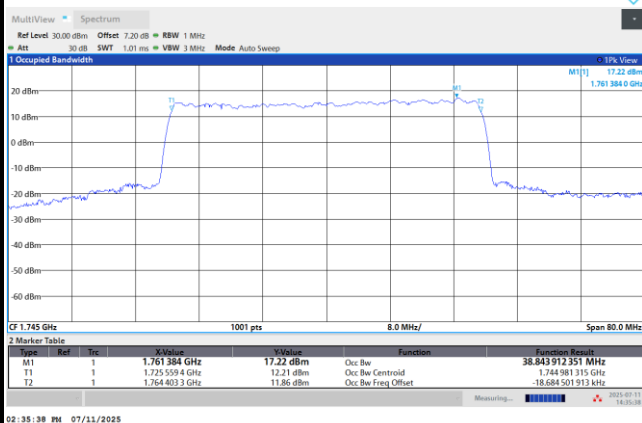


02:33:49 PM 07/11/2025



02:34:44 PM 07/11/2025

16QAM



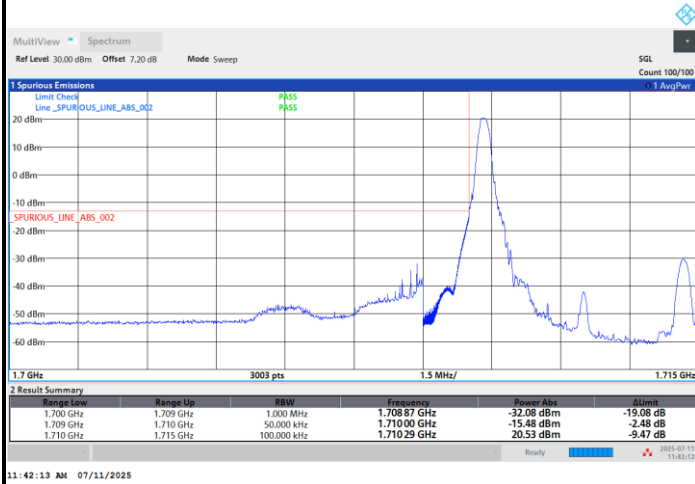
02:35:38 PM 07/11/2025



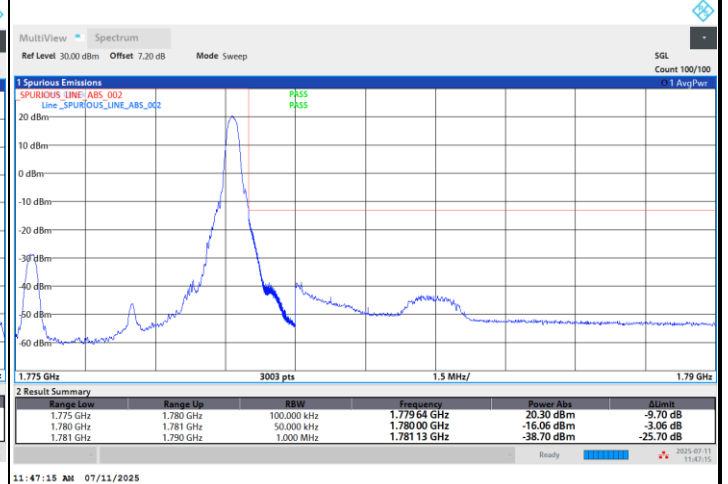
Conducted Band Edge

FR1 n66 / 5MHz / DFT-S OFDM / PI/2 BPSK

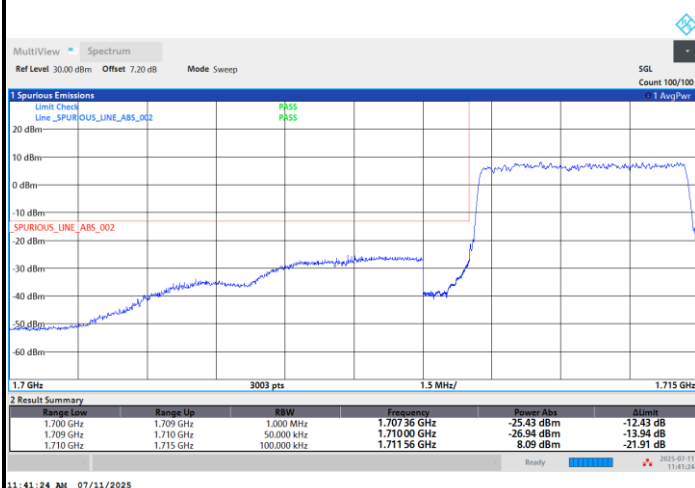
Lowest Band Edge / 1RB0



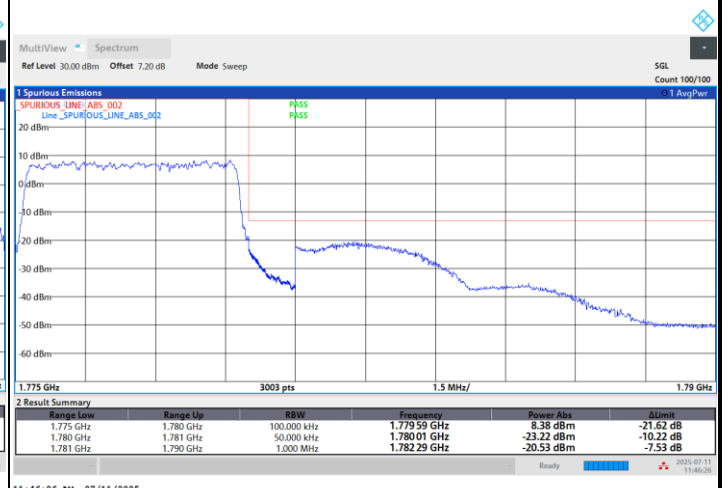
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

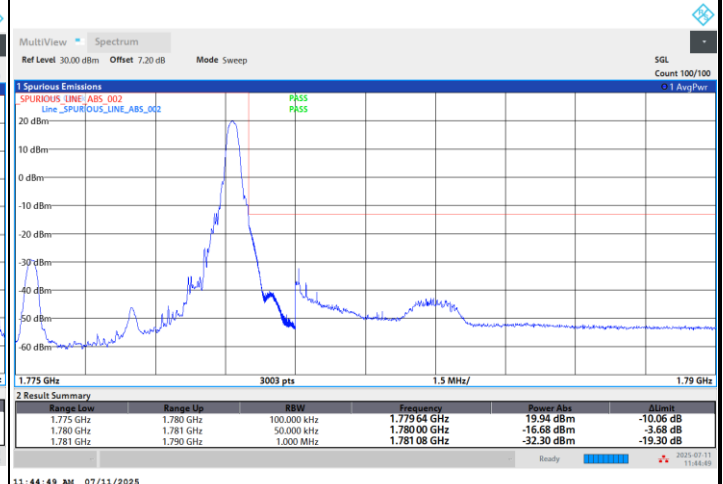
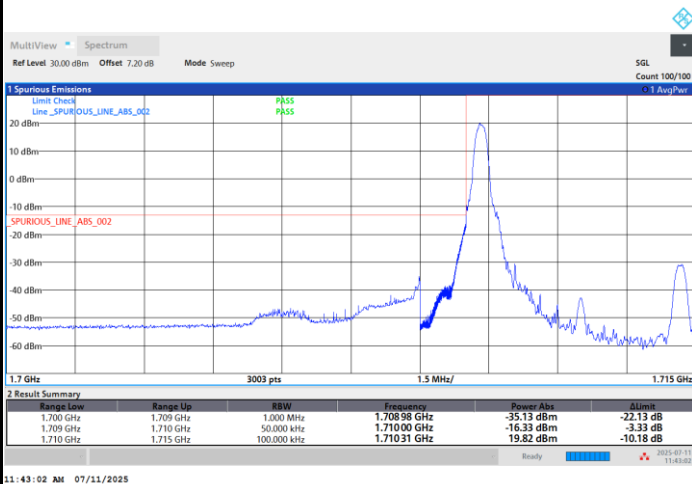




FR1 n66 / 5MHz / DFT-S OFDM / QPSK

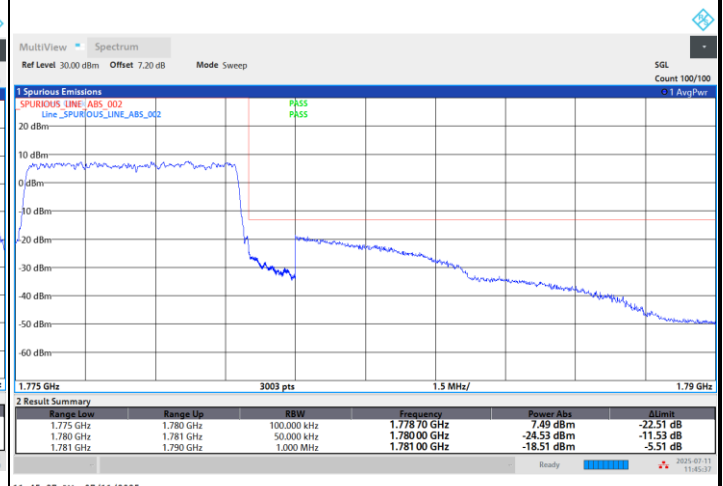
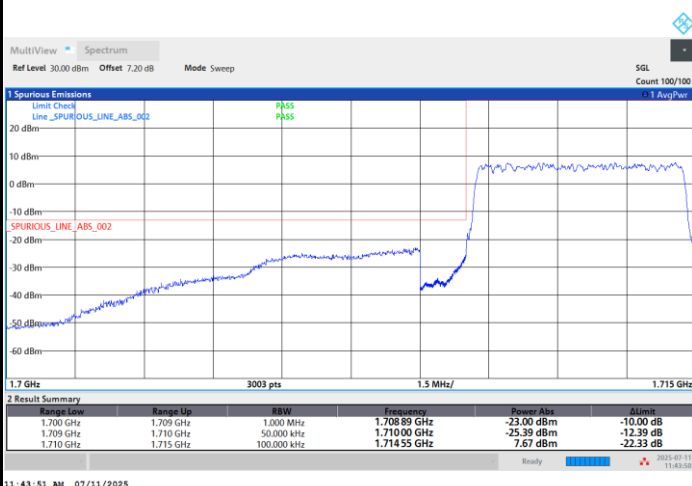
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

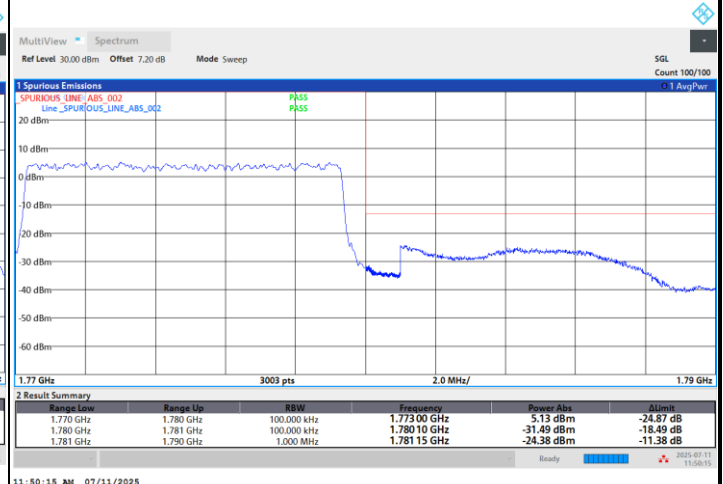
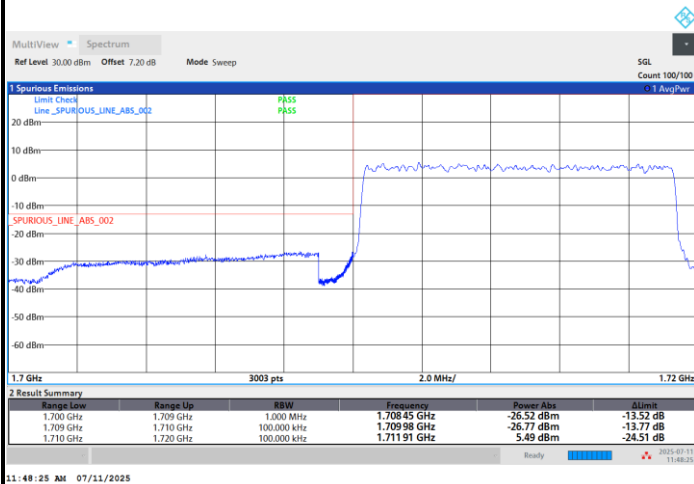




FR1 n66 / 10MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

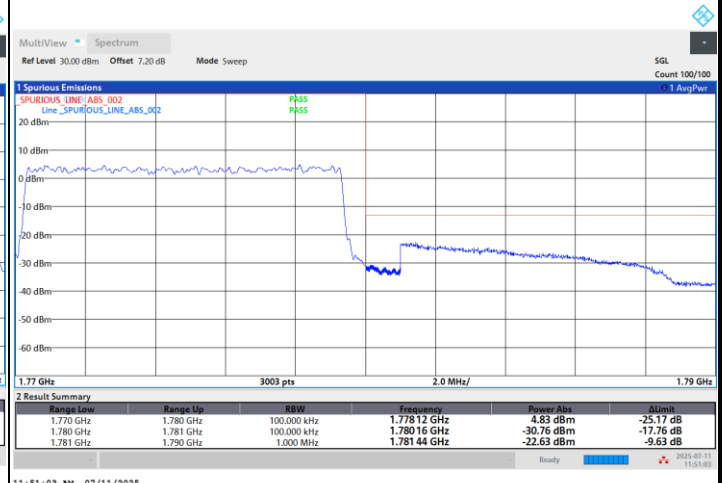
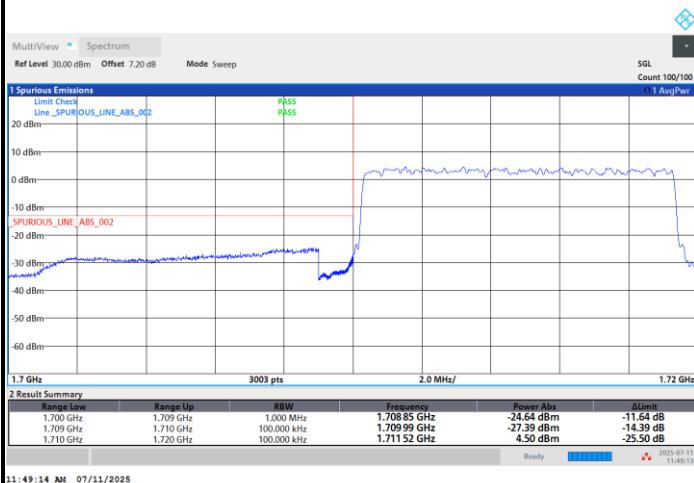
Highest Band Edge / Full RB



FR1 n66 / 10MHz / DFT-S OFDM / QPSK

Lowest Band Edge / Full RB

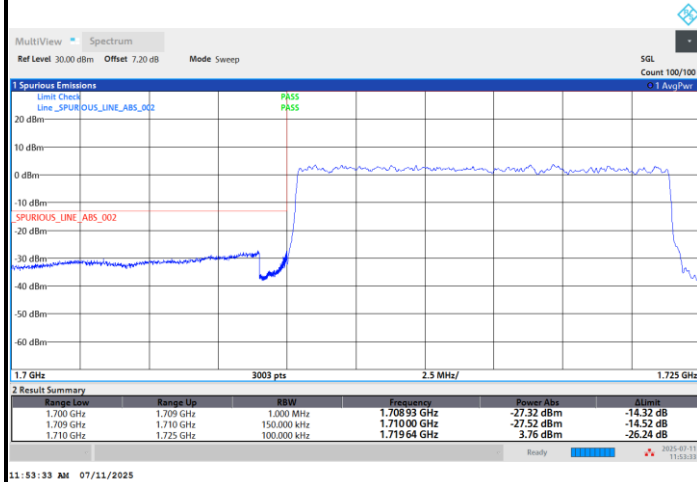
Highest Band Edge / Full RB



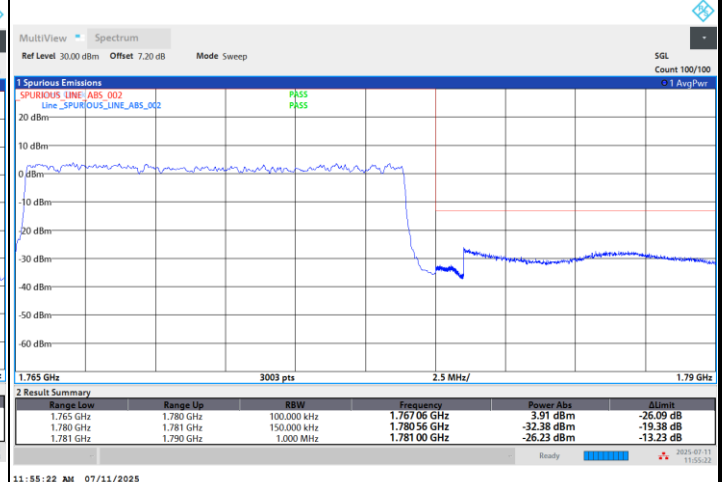


FR1 n66 / 15MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

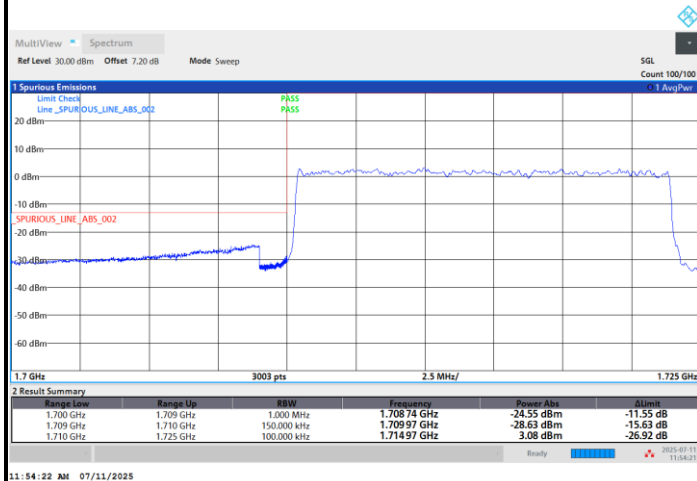


Highest Band Edge / Full RB

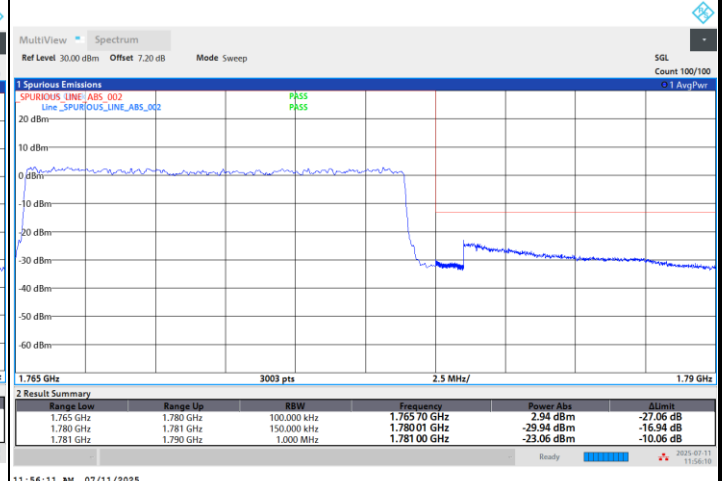


FR1 n66 / 15MHz / DFT-S OFDM / QPSK

Lowest Band Edge / Full RB



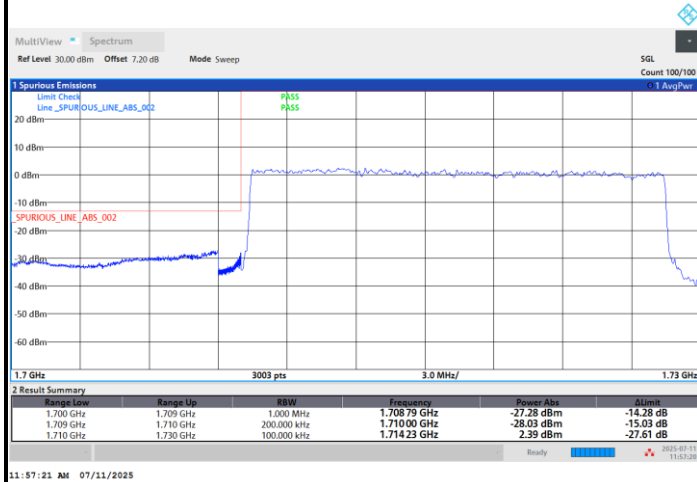
Highest Band Edge / Full RB



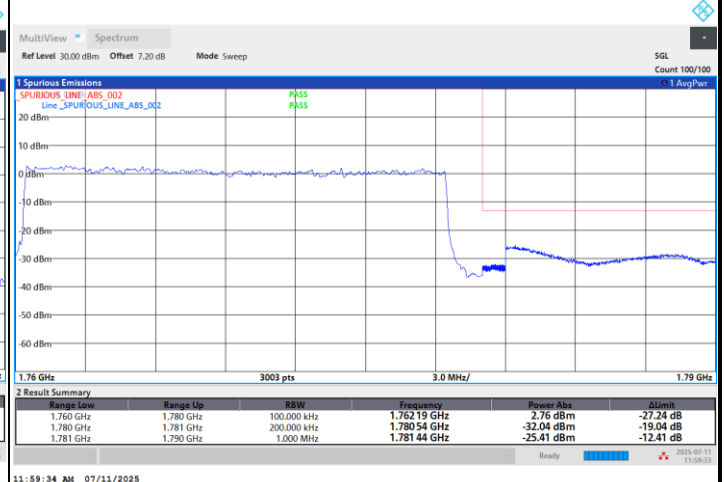


FR1 n66 / 20MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

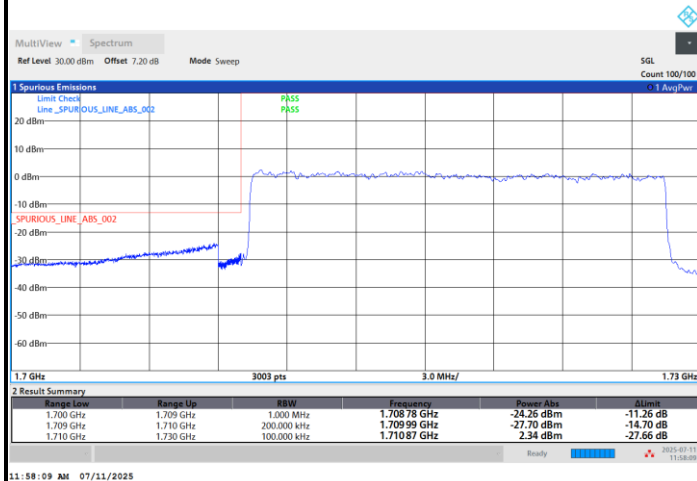


Highest Band Edge / Full RB

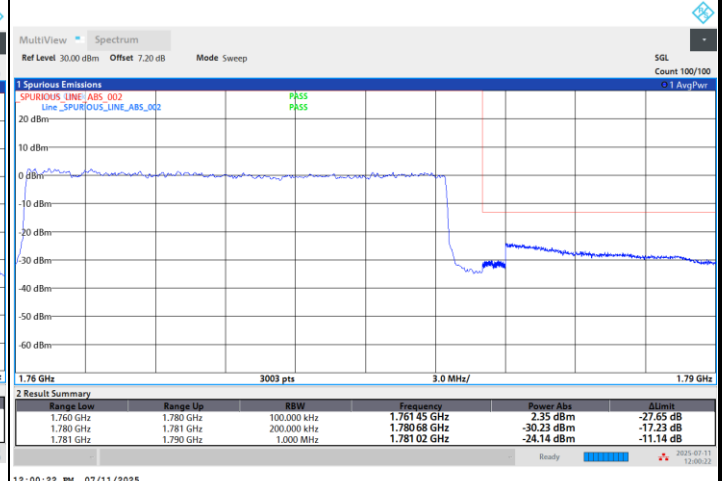


FR1 n66 / 20MHz / DFT-S OFDM / QPSK

Lowest Band Edge / Full RB



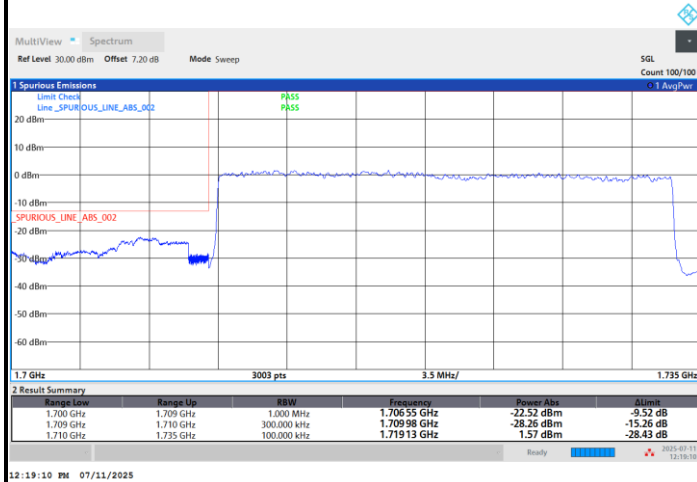
Highest Band Edge / Full RB



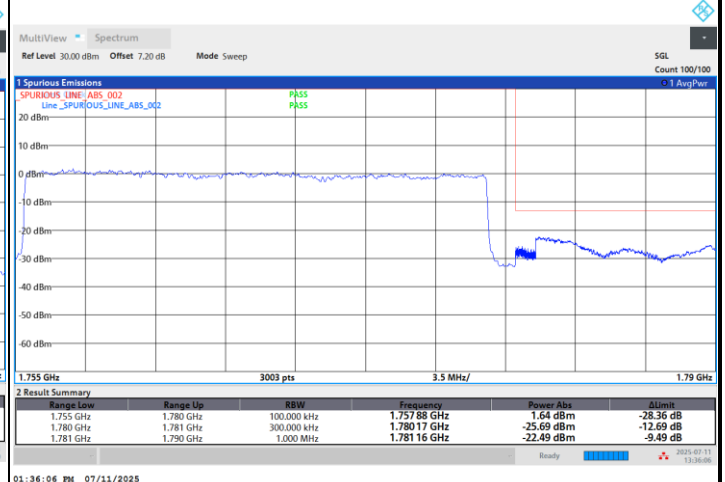


FR1 n66 / 25MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

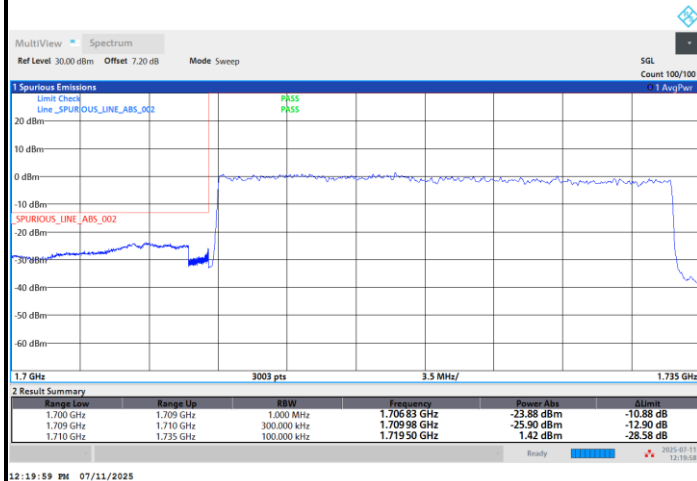


Highest Band Edge / Full RB

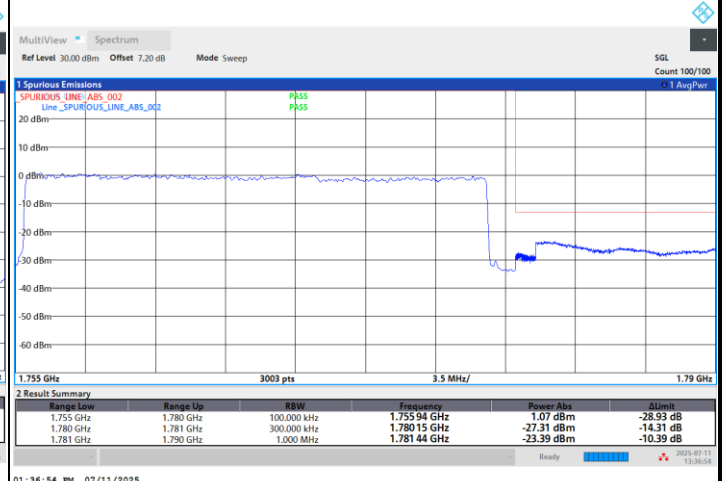


FR1 n66 / 25MHz / DFT-S OFDM / QPSK

Lowest Band Edge / Full RB



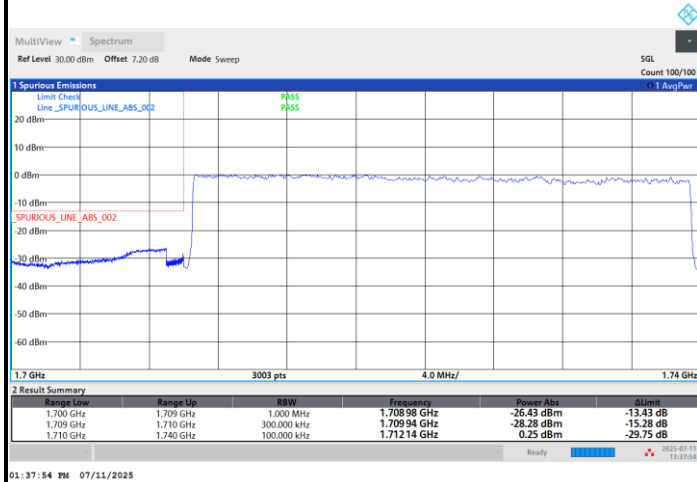
Highest Band Edge / Full RB



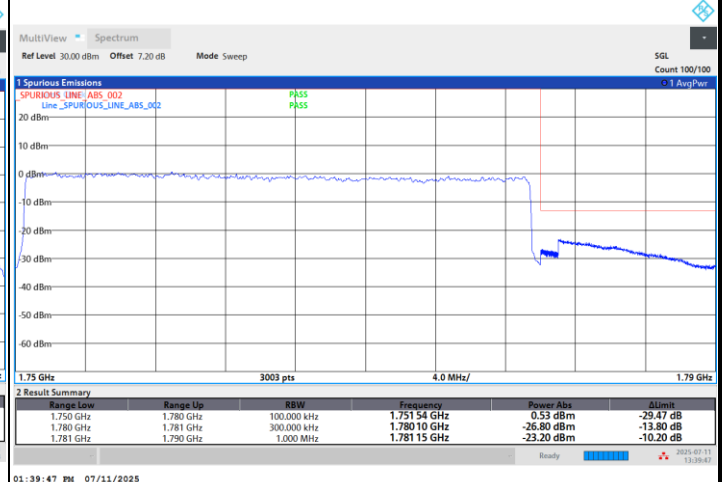


FR1 n66 / 30MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

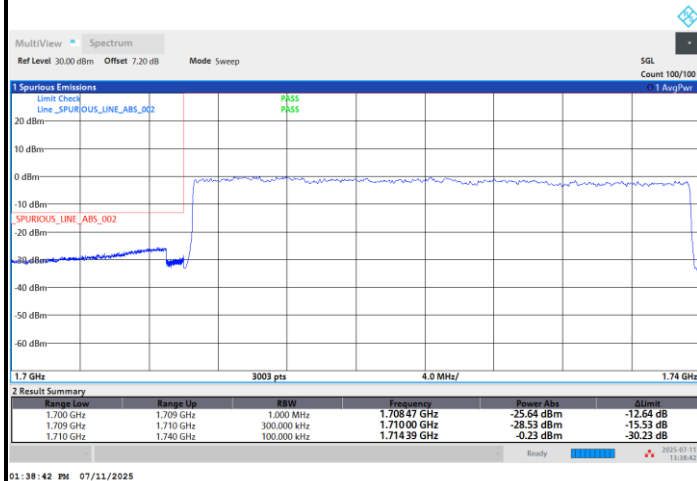


Highest Band Edge / Full RB

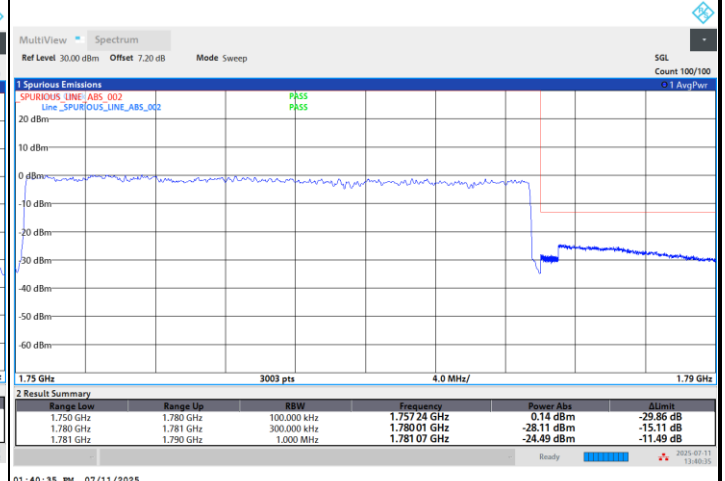


FR1 n66 / 30MHz / DFT-S OFDM / QPSK

Lowest Band Edge / Full RB



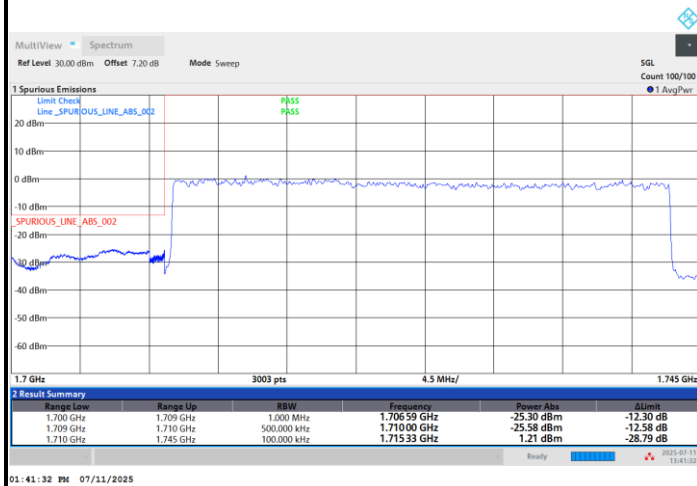
Highest Band Edge / Full RB



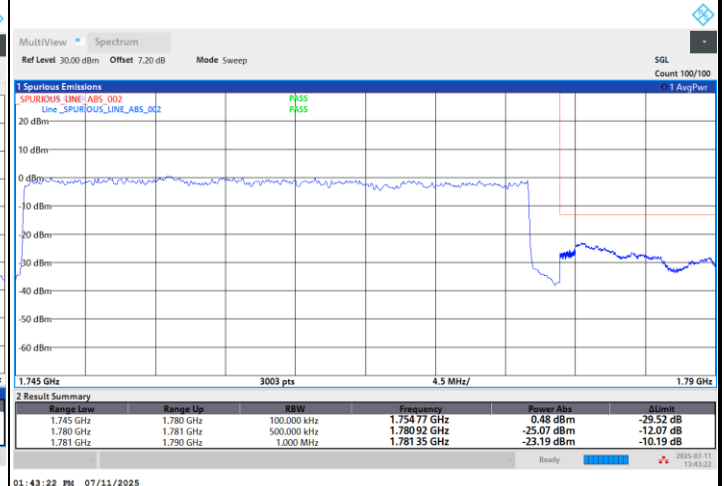


FR1 n66 / 35MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

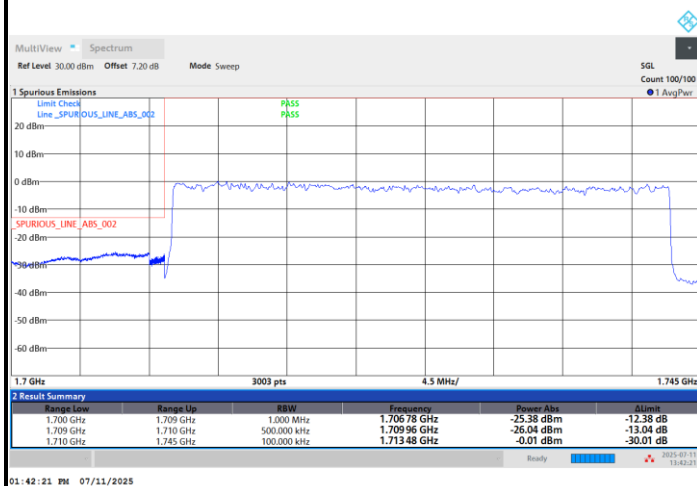


Highest Band Edge / Full RB

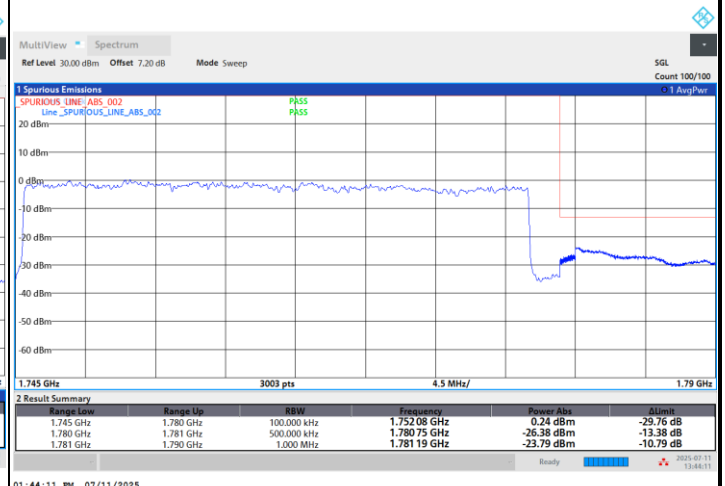


FR1 n66 / 35MHz / DFT-S OFDM / QPSK

Lowest Band Edge / Full RB



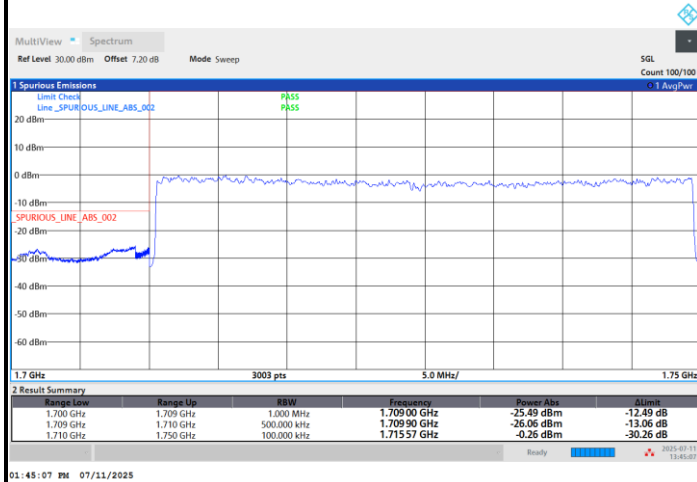
Highest Band Edge / Full RB



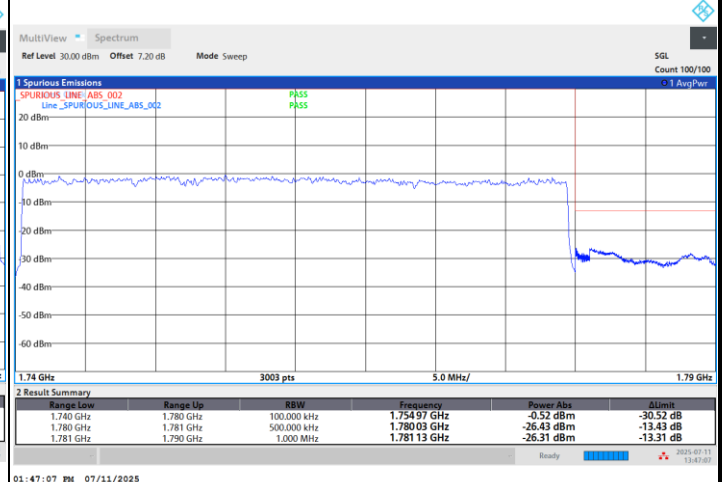


FR1 n66 / 40MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

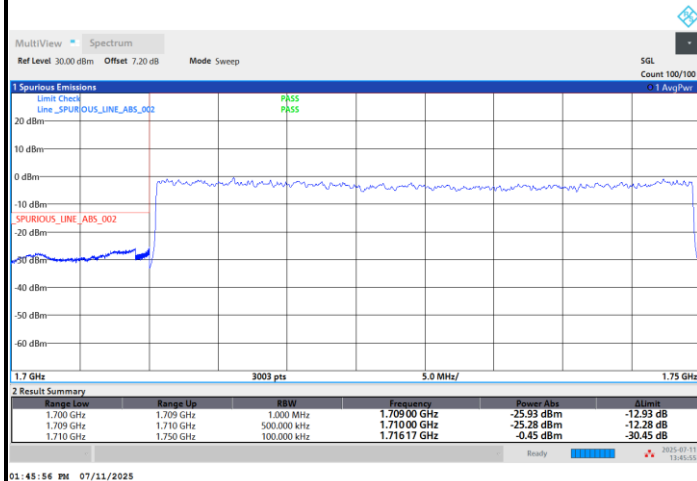


Highest Band Edge / Full RB

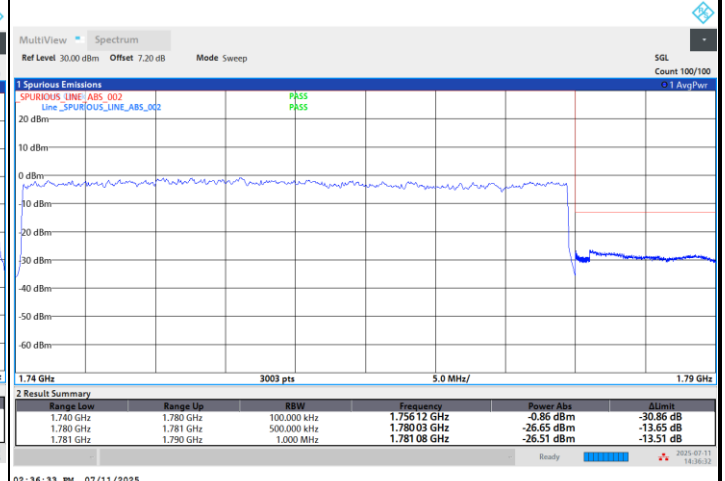


FR1 n66 / 40MHz / DFT-S OFDM / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

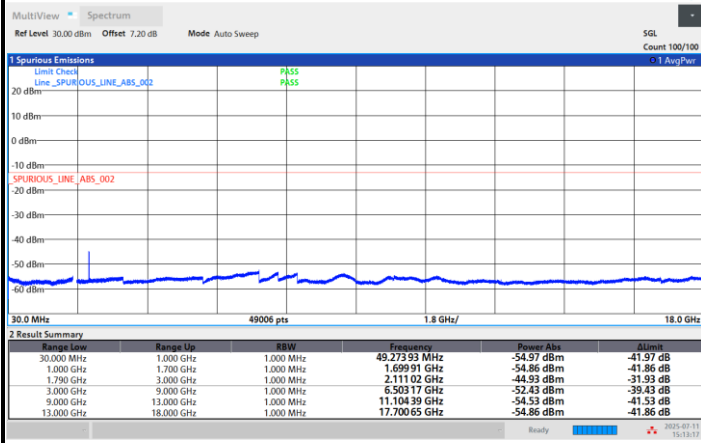




Conducted Spurious Emission

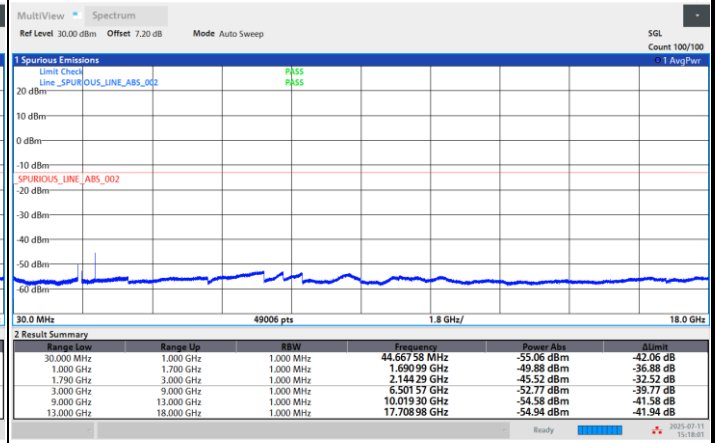
FR1 n66 / 5MHz / DFT-S OFDM / QPSK / 1RB1

Lowest Channel



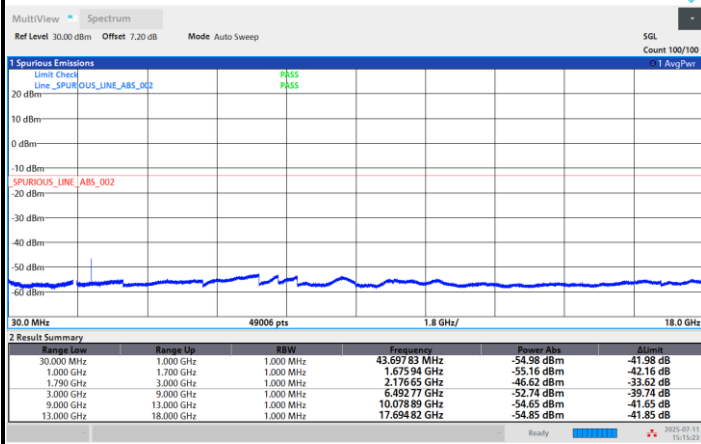
03:13:18 PM 07/11/2025

Middle Channel



03:19:01 PM 07/11/2025

Highest Channel



03:15:23 PM 07/11/2025

**Frequency Stability**

Test Conditions		FR1 n66 (BPSK) / Middle Channel 10M			
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Frequency Offset (Δf) (Hz)	Within Authorized Frequency Block(Hz)	Result
50	Normal Voltage	0.0001	-0.1	Yes	PASS
40	Normal Voltage	0.0038	6.7	Yes	
30	Normal Voltage	0.0026	4.6	Yes	
20(Ref.)	Normal Voltage	0.0000	0	Yes	
10	Normal Voltage	0.0029	-5.1	Yes	
0	Normal Voltage	0.0038	-6.7	Yes	
-10	Normal Voltage	0.0046	8	Yes	
-20	Normal Voltage	0.0030	-5.3	Yes	
-30	Normal Voltage	0.0033	5.7	Yes	
20	Maximum Voltage	0.0031	-5.4	Yes	
20	Normal Voltage	0.0000	0	Yes	
20	Minimum Voltage	0.0023	4.1	Yes	

Note:

1. Normal Voltage = 3.3 V. ; Minimum Voltage = 3.135 V. ; Maximum Voltage = 3.63 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 n71

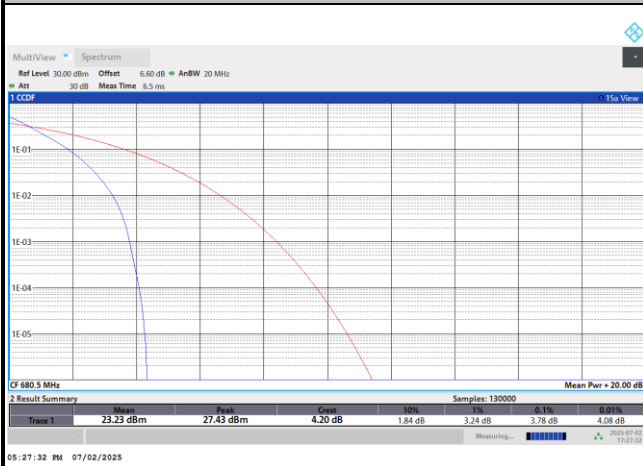
<SISO Mode>**Peak-to-Average Ratio**

Mode	FR1 n71 / 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	3.78	4.68	5.34	5.68	PASS
Mode	FR1 n71 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.28				PASS

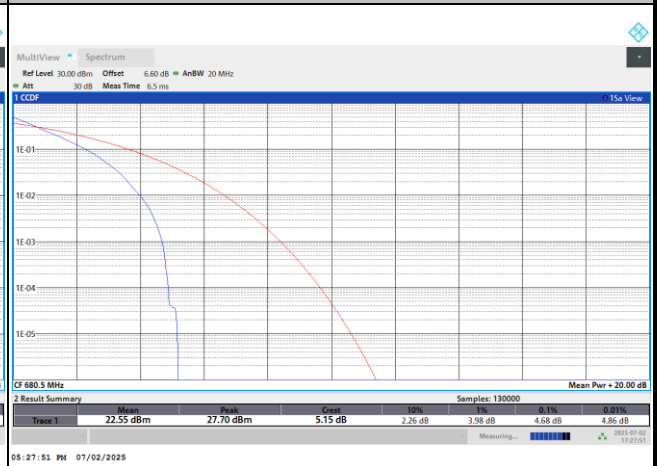


FR1 n71 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

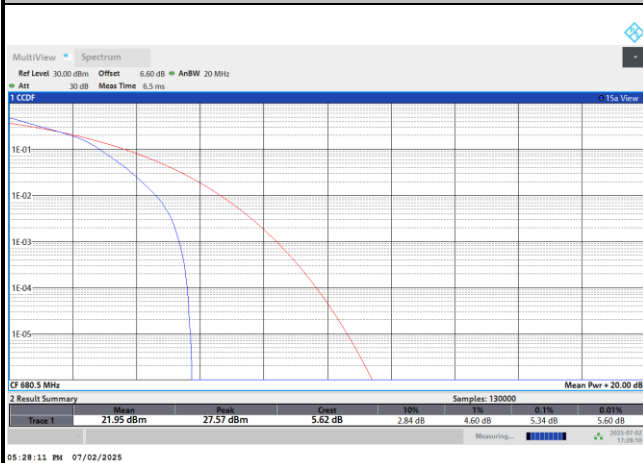
PI/2 BPSK



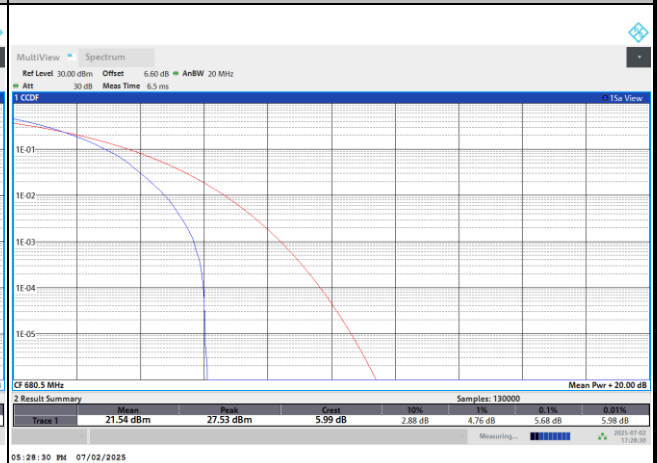
QPSK



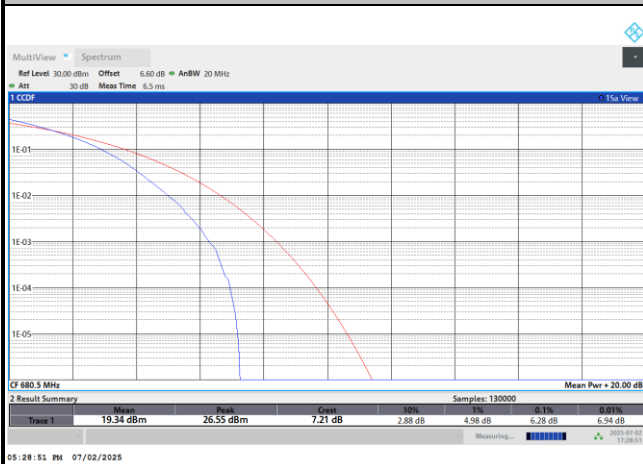
16QAM



64QAM



256QAM



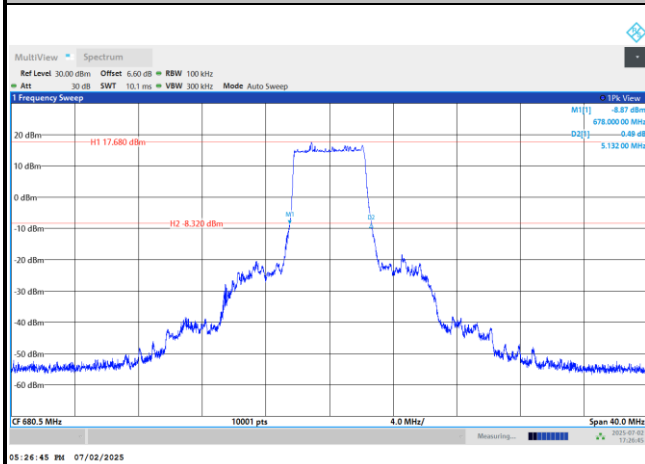
**26dB Bandwidth**

Mode	FR1 n71 : 26dB BW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK
Middle CH	5.13	5.14	9.87	9.94	14.60	14.52	19.31	19.46
Mod.	16QAM		16QAM		16QAM		16QAM	
Middle CH	5.18		9.85		14.58		19.39	

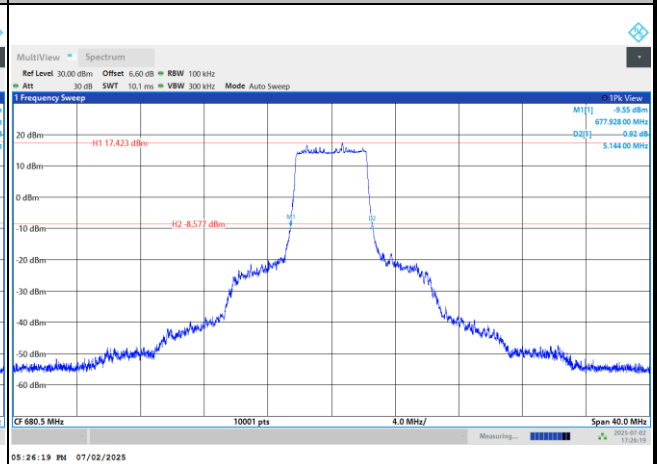


FR1 n71 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

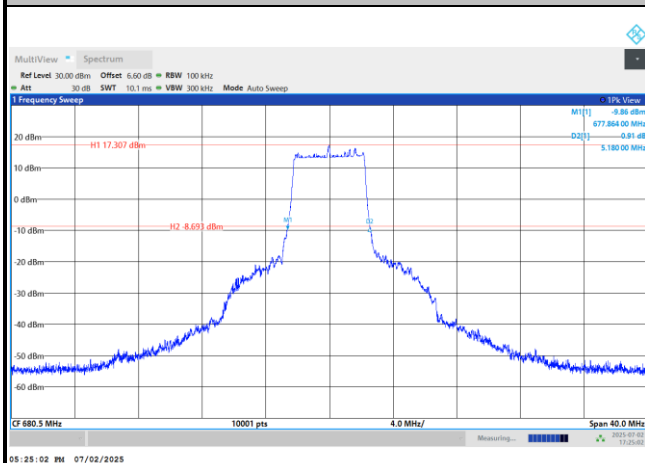
PI/2 BPSK



QPSK



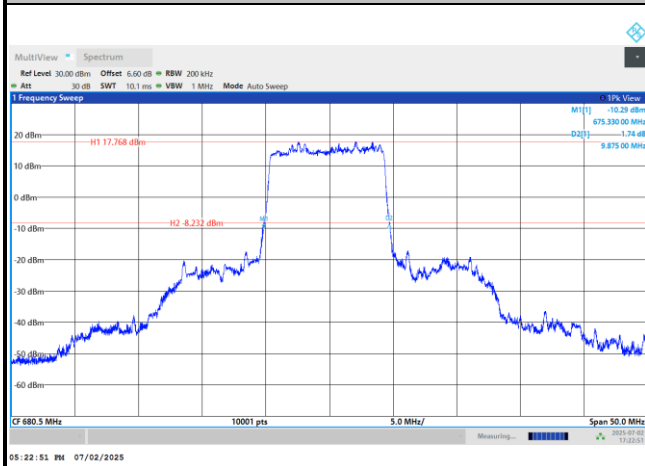
16QAM



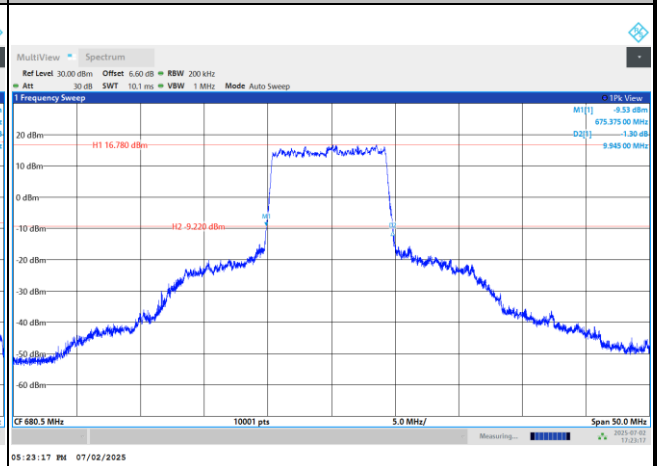


FR1 n71 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

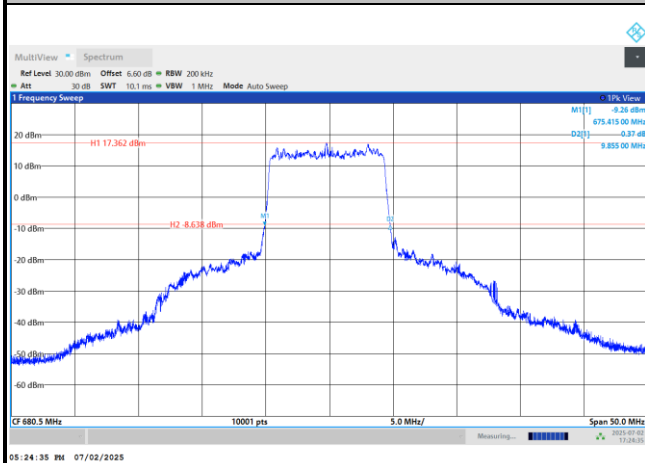
PI/2 BPSK



QPSK



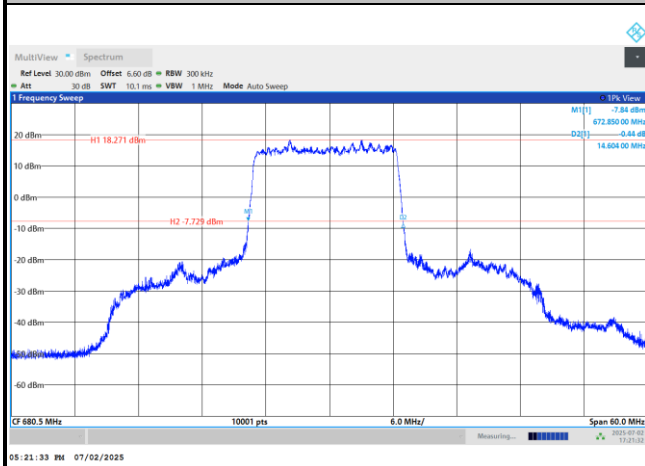
16QAM



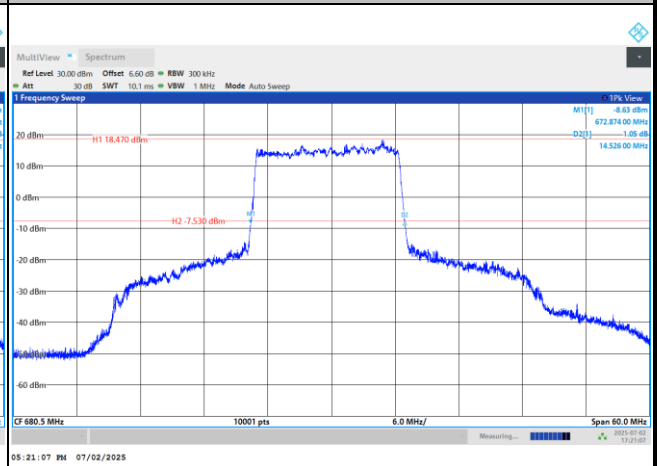


FR1 n71 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

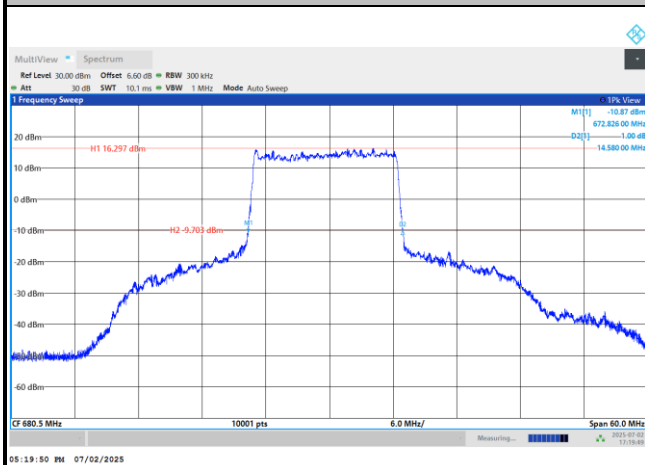
QPSK



QPSK



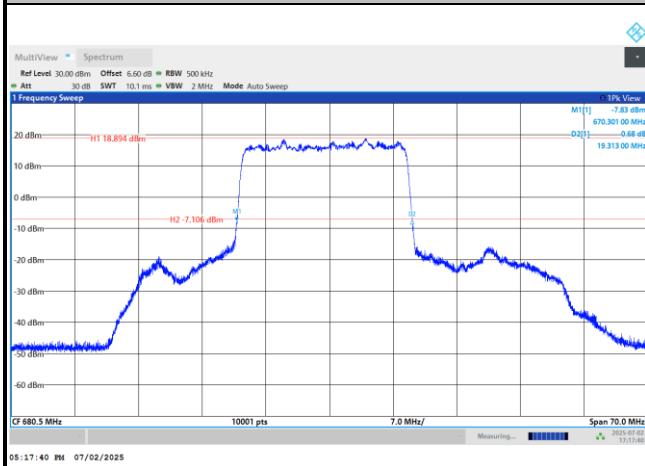
16QAM



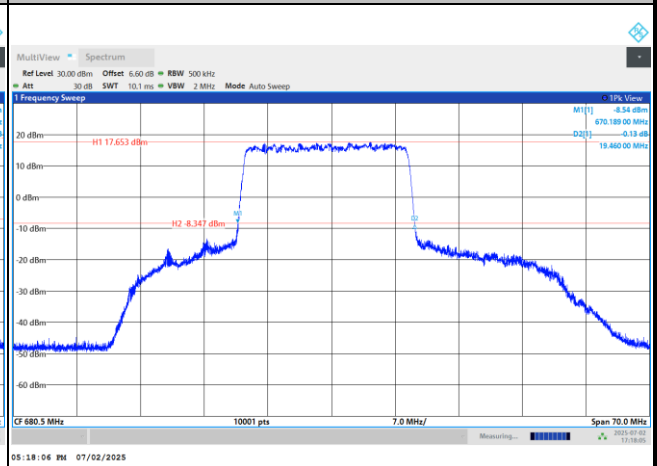


FR1 n71 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

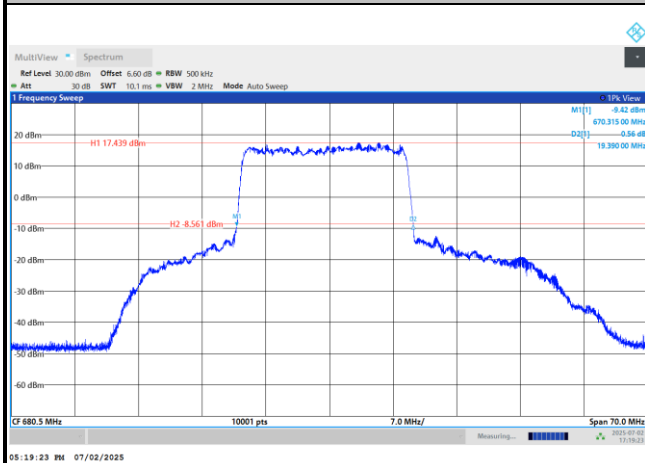
PI/2 BPSK



QPSK



16QAM



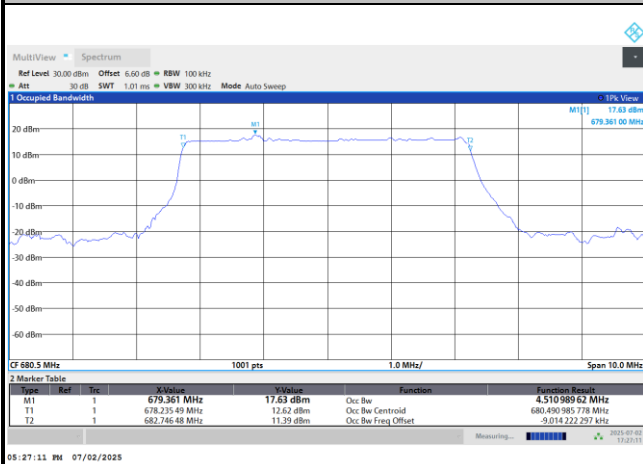
**Occupied Bandwidth**

Mode	FR1 n71 : 99%OBW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK
Middle CH	4.51	4.49	8.97	9.00	13.49	13.50	18.00	18.00
Mod.	16QAM		16QAM		16QAM		16QAM	
Middle CH	4.52		9.00		13.52		17.99	



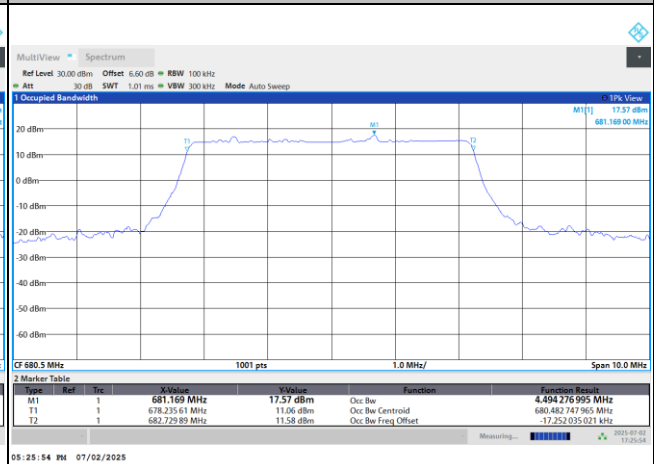
FR1 n71 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



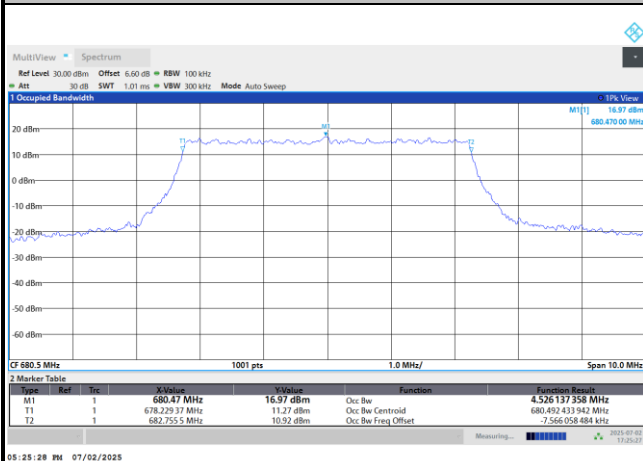
05:27:11 PM 07/02/2025

QPSK



05:25:54 PM 07/02/2025

16QAM



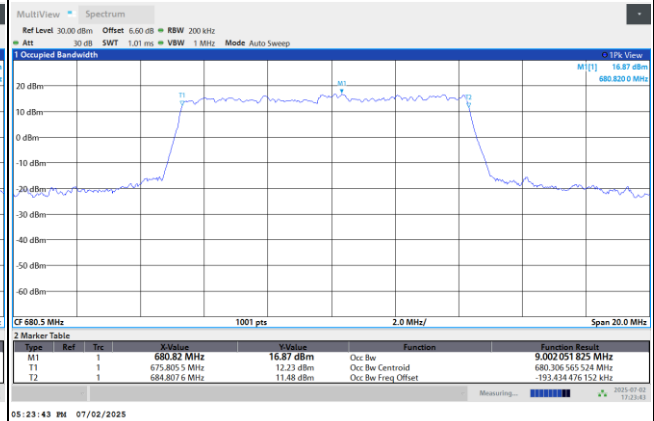
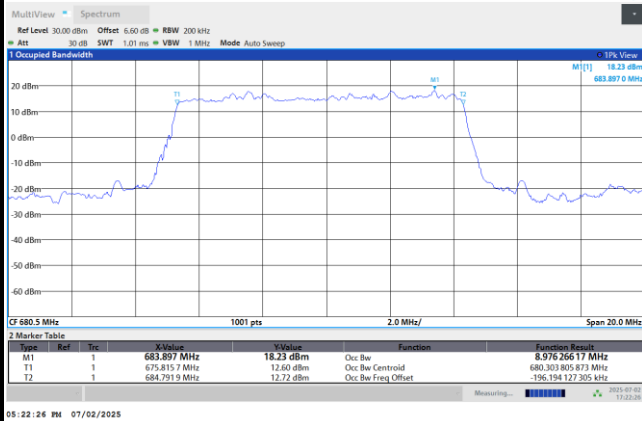
05:25:28 PM 07/02/2025



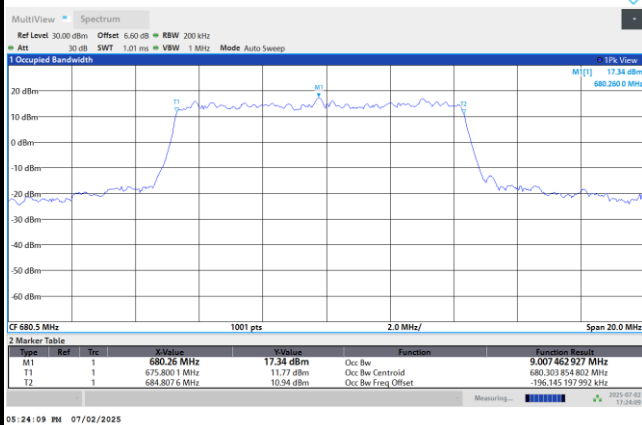
FR1 n71 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

QPSK



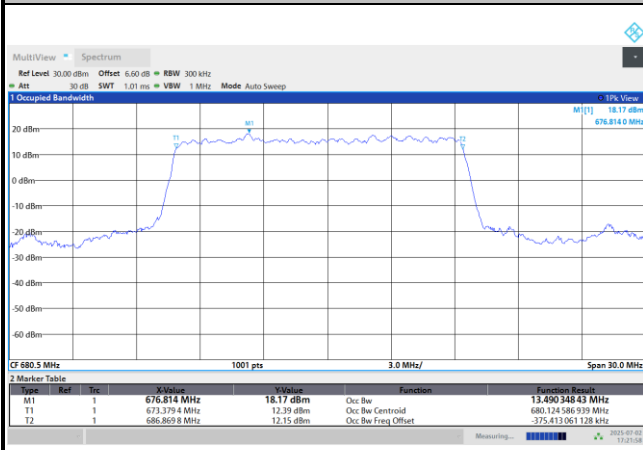
16QAM





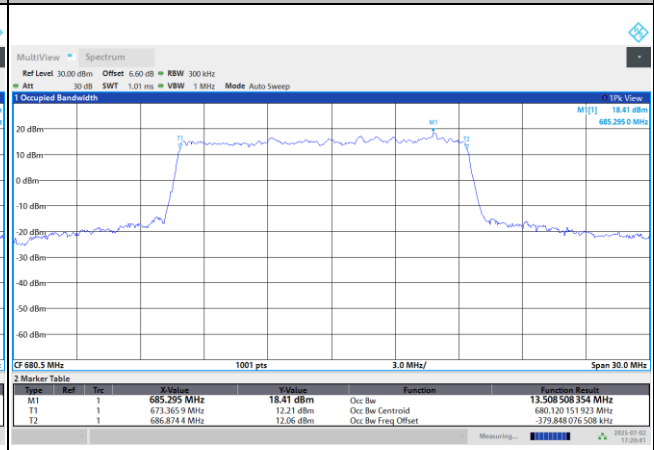
FR1 n71 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

QPSK



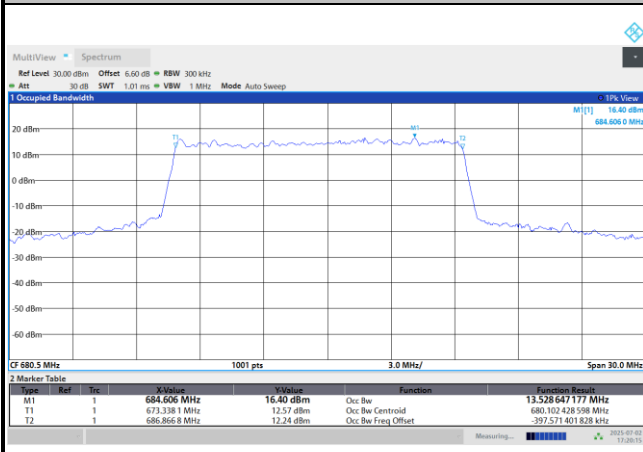
05:21:59 PM 07/02/2025

QPSK



05:20:42 PM 07/02/2025

16QAM

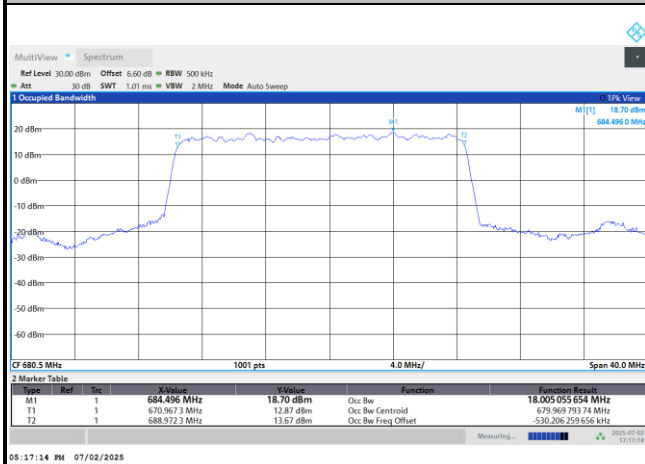


05:20:15 PM 07/02/2025



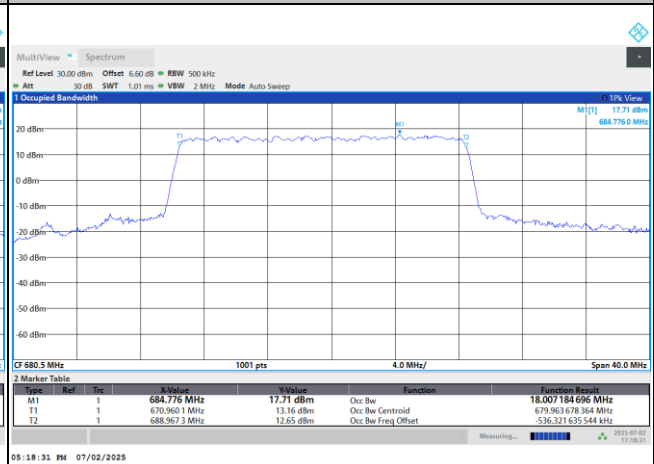
FR1 n71 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



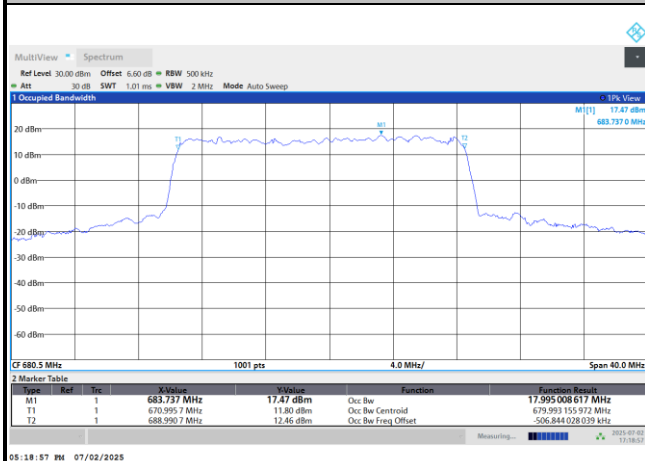
05:17:14 PM 07/02/2025

QPSK



05:18:31 PM 07/02/2025

16QAM



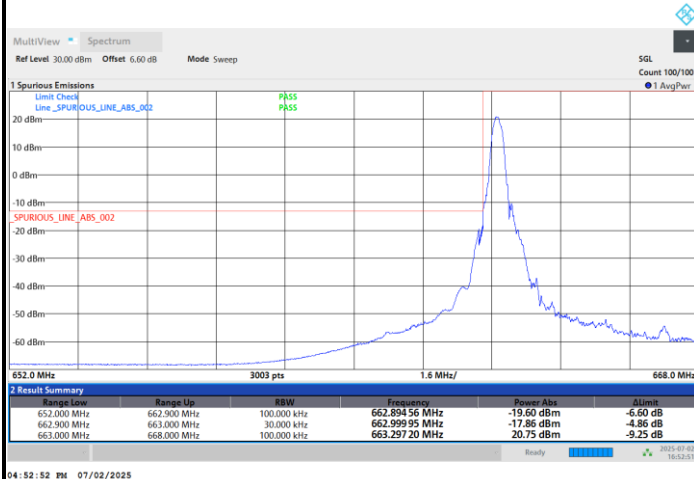
05:18:57 PM 07/02/2025



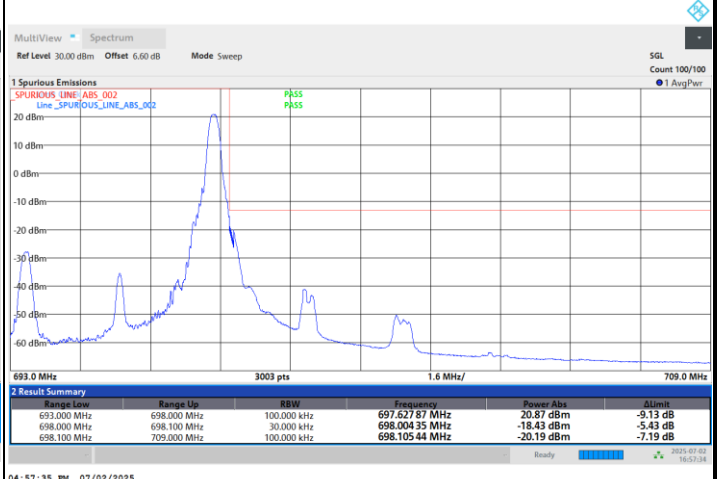
Conducted Band Edge

FR1 n71 / 5MHz / DFT-S OFDM / PI/2 BPSK

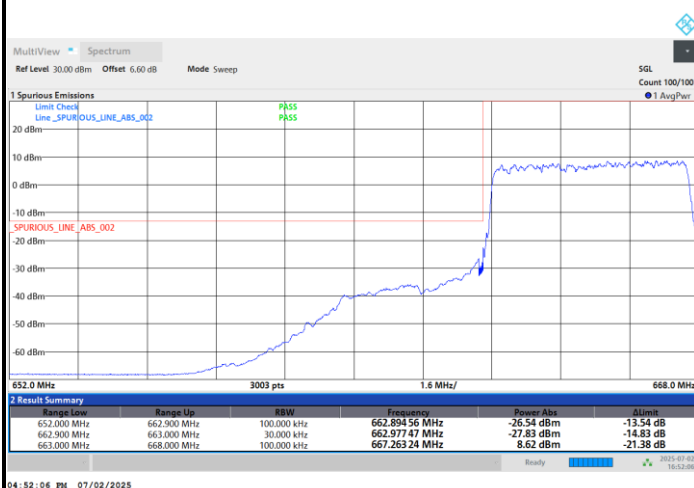
Lowest Band Edge / 1RB0



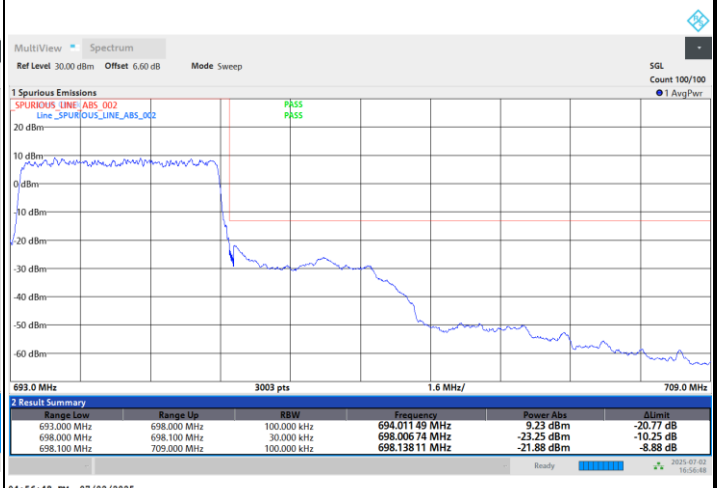
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

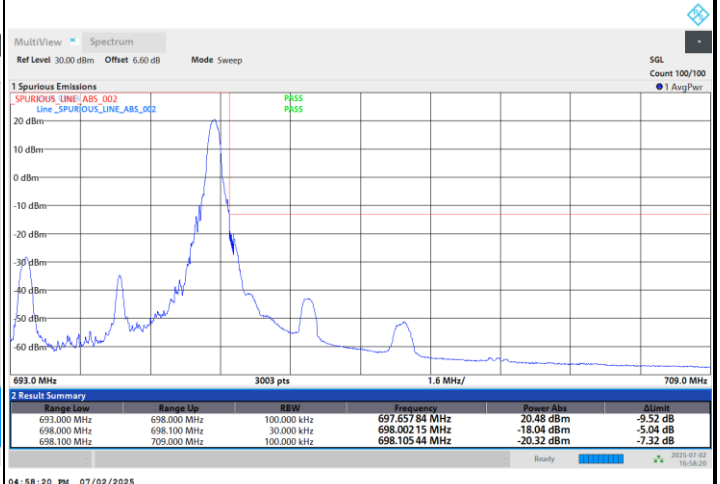
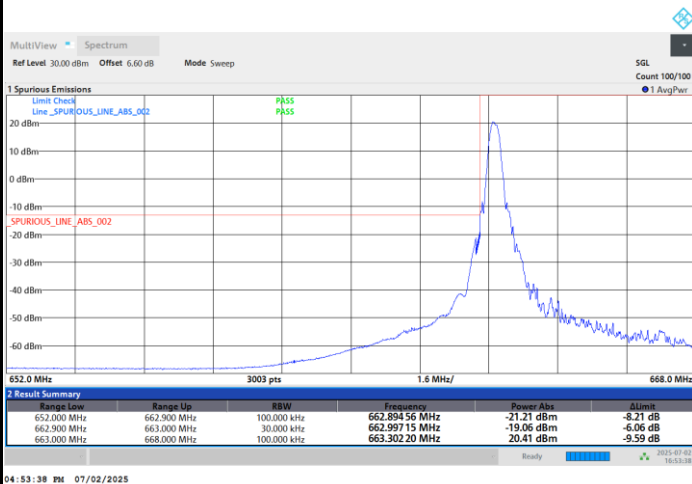




FR1 n71 / 5MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

