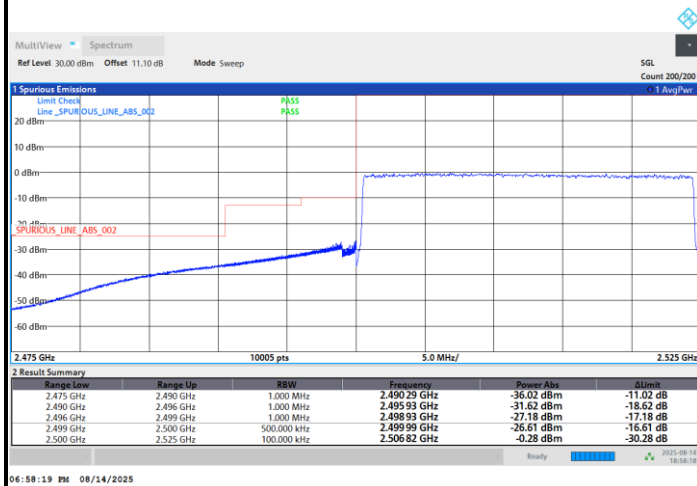


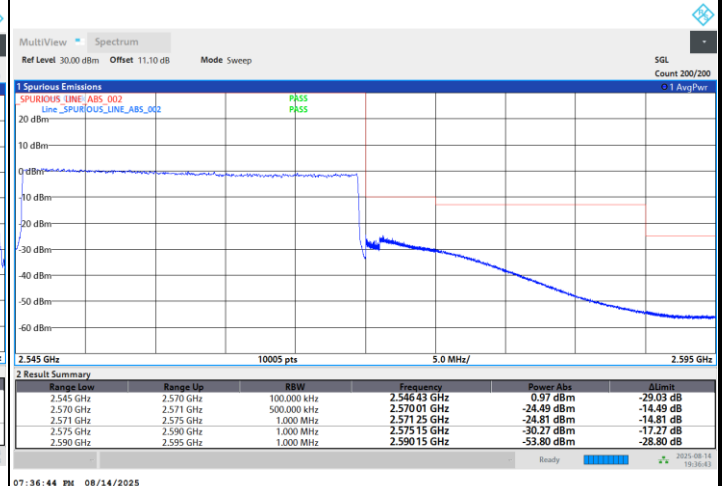


FR1 n7 / 25MHz / CP-OFDM / QPSK

Lowest Band Edge / Full RB

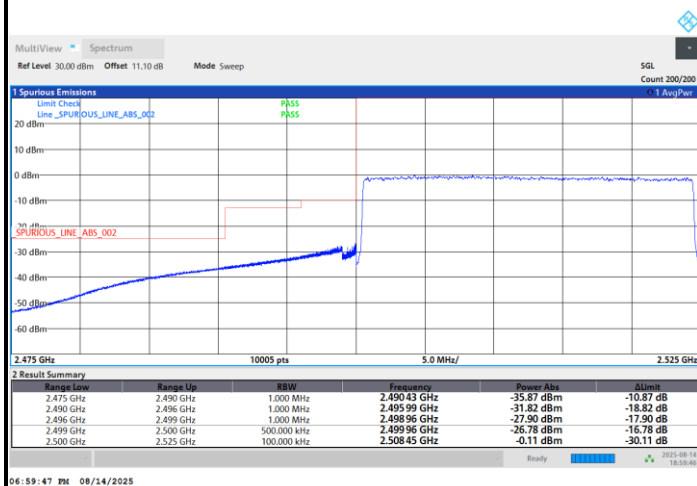


Highest Band Edge / Full RB

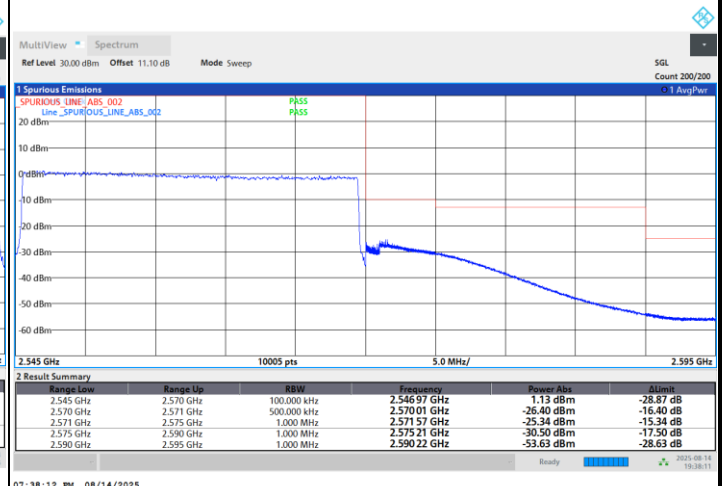


FR1 n7 / 25MHz / CP-OFDM / 16QAM

Lowest Band Edge / Full RB



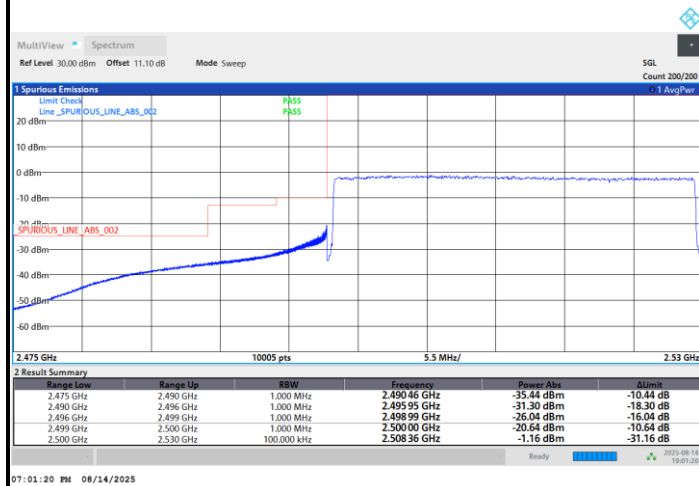
Highest Band Edge / Full RB



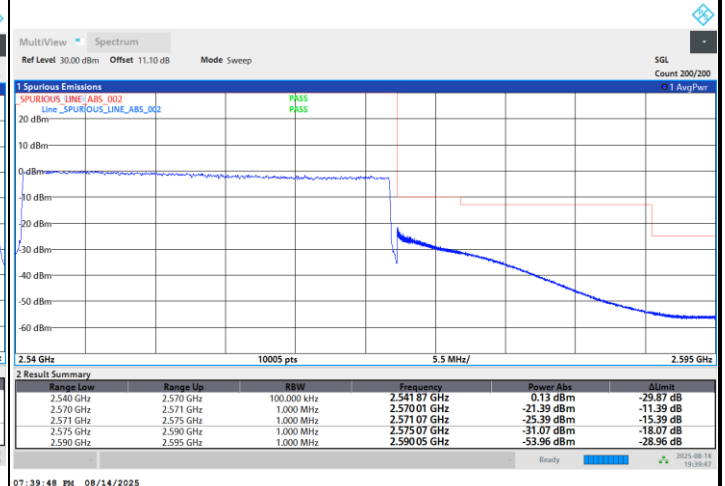


FR1 n7 / 30MHz / CP-OFDM / QPSK

Lowest Band Edge / Full RB

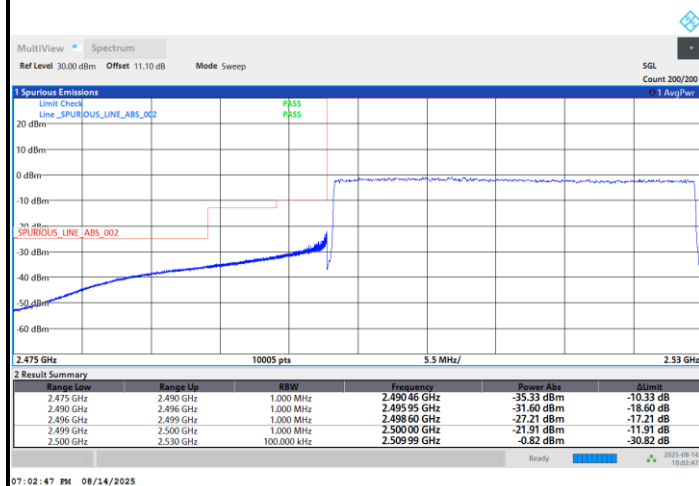


Highest Band Edge / Full RB

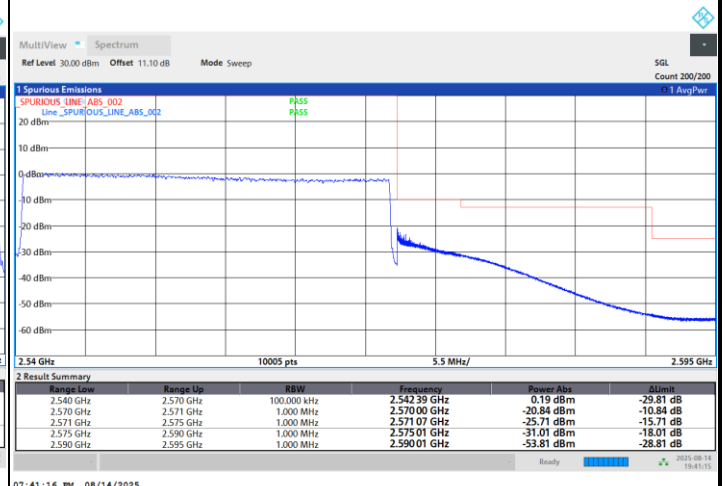


FR1 n7 / 30MHz / CP-OFDM / 16QAM

Lowest Band Edge / Full RB



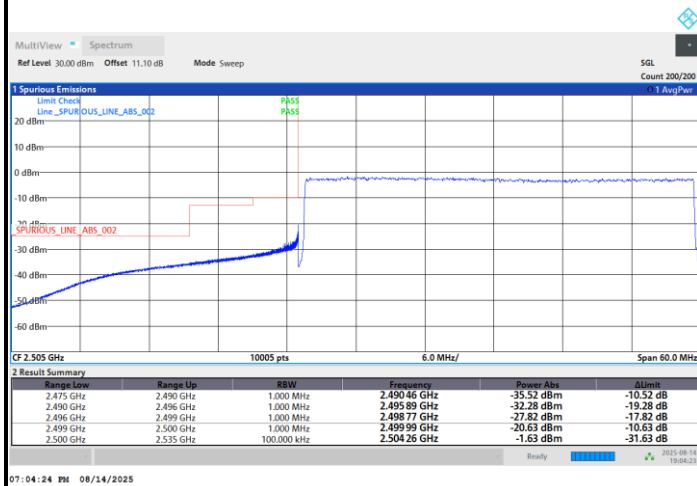
Highest Band Edge / Full RB



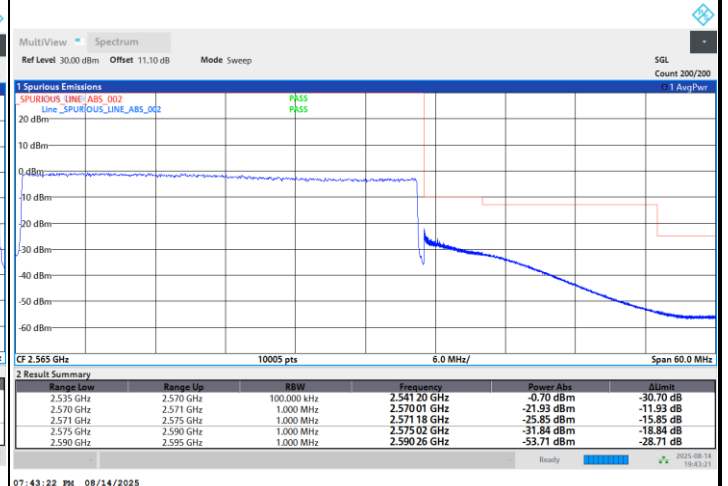


FR1 n7 / 35MHz / CP-OFDM / QPSK

Lowest Band Edge / Full RB

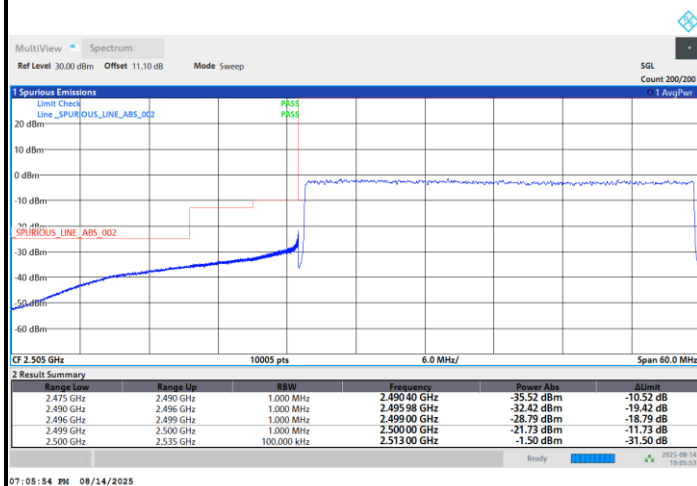


Highest Band Edge / Full RB

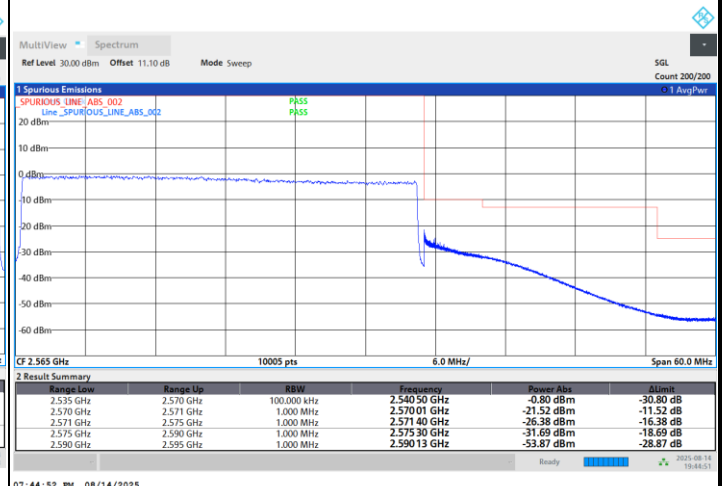


FR1 n7 / 35MHz / CP-OFDM / 16QAM

Lowest Band Edge / Full RB



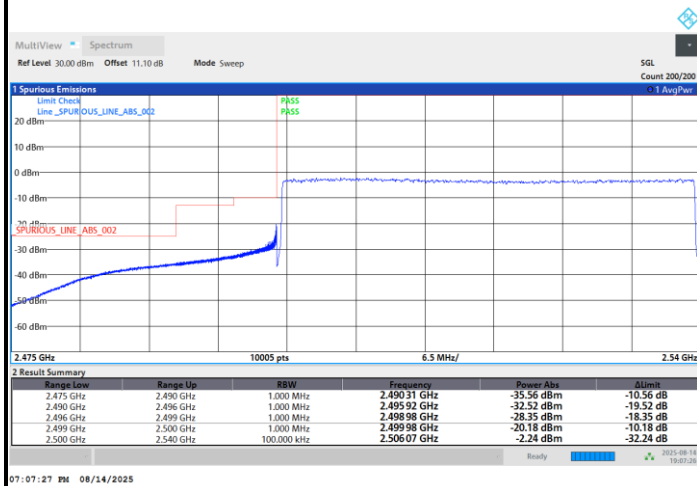
Highest Band Edge / Full RB



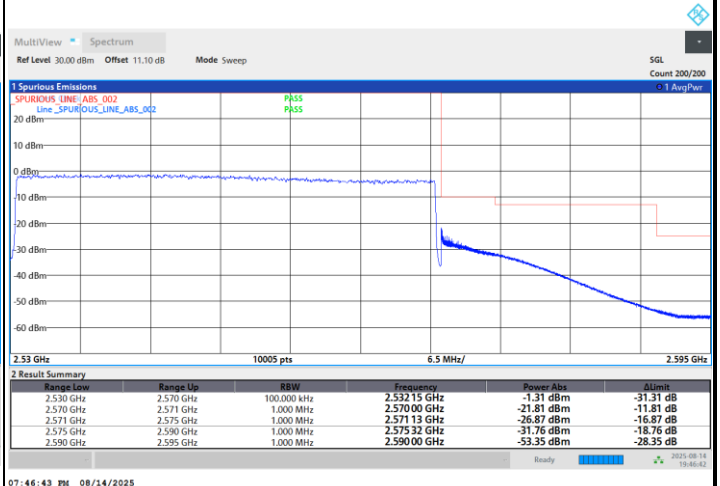


FR1 n7 / 40MHz / CP-OFDM / QPSK

Lowest Band Edge / Full RB

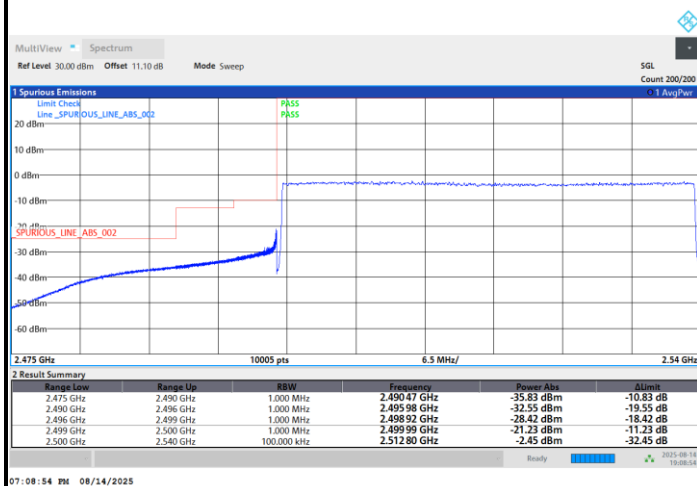


Highest Band Edge / Full RB

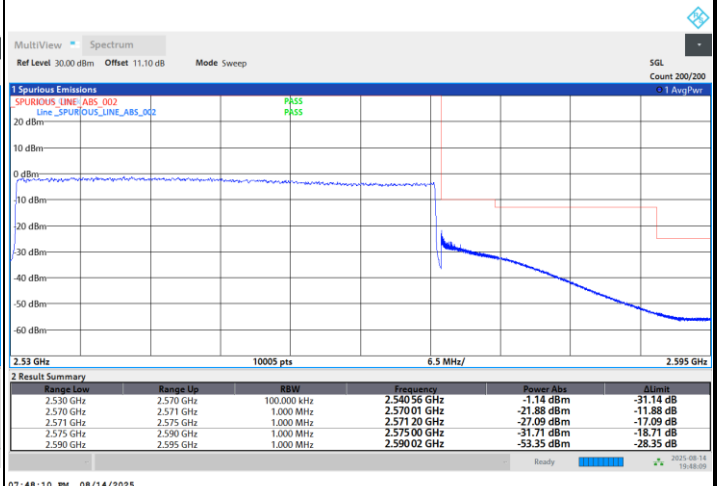


FR1 n7 / 40MHz / CP-OFDM / 16QAM

Lowest Band Edge / Full RB



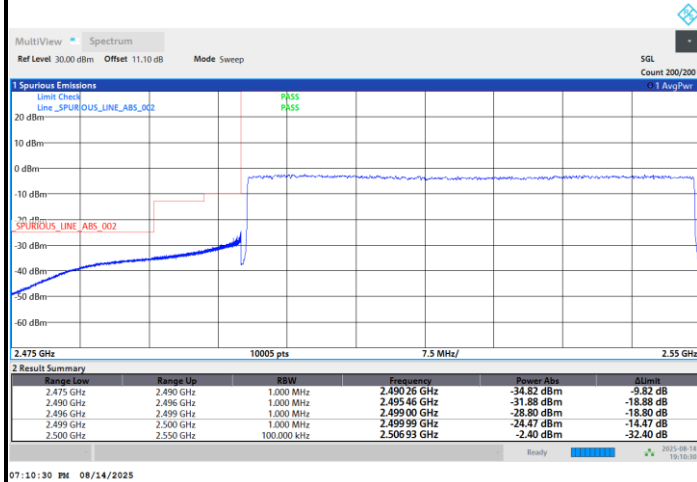
Highest Band Edge / Full RB



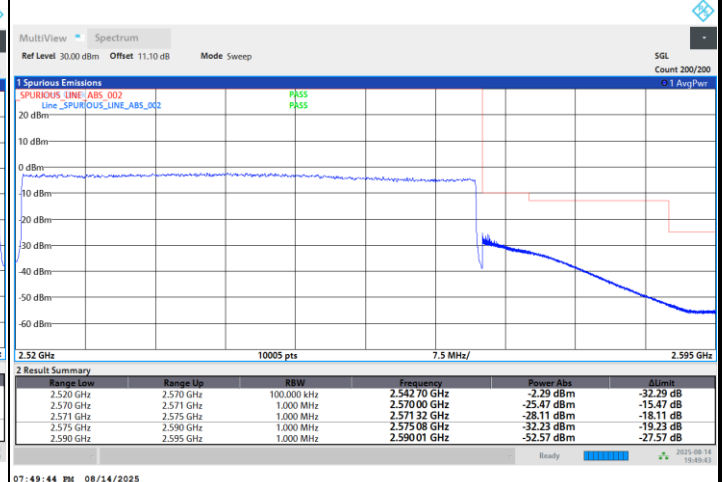


FR1 n7 / 50MHz / CP-OFDM / QPSK

Lowest Band Edge / Full RB

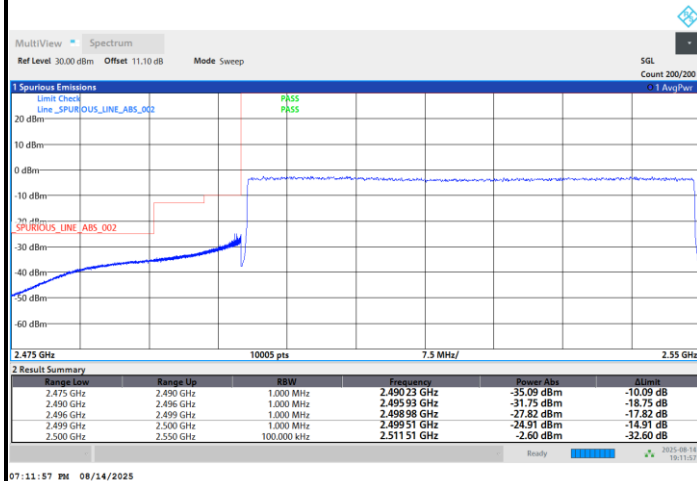


Highest Band Edge / Full RB

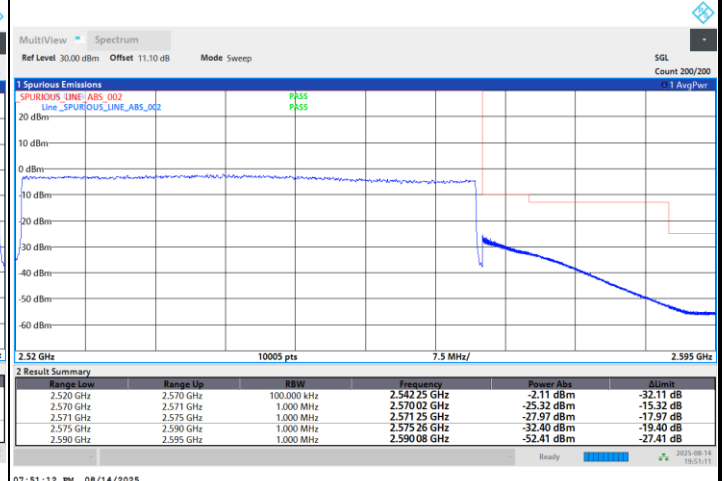


FR1 n7 / 50MHz / CP-OFDM / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

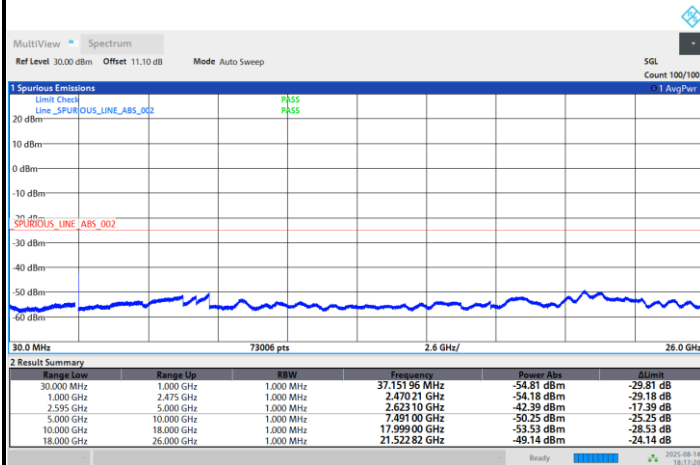




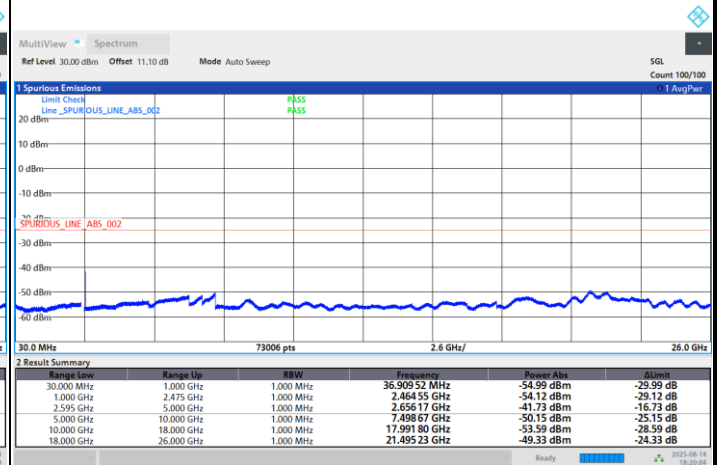
Conducted Spurious Emission

FR1 n7 / 5MHz / CP OFDM / QPSK / 1RB1

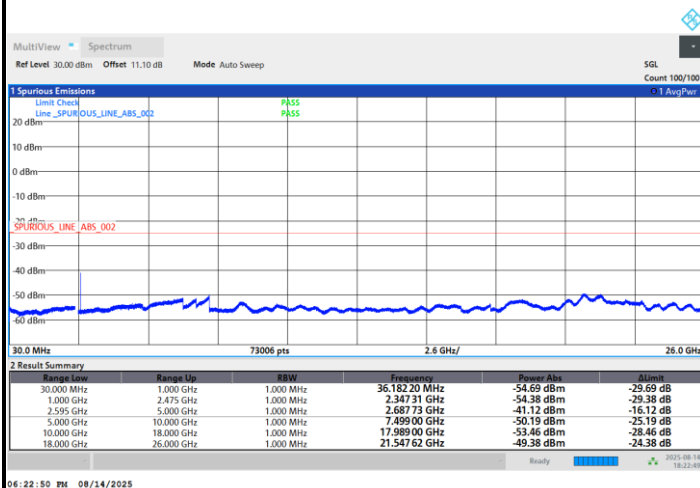
Lowest Channel



Middle Channel



Highest Channel



Frequency Stability

Test Conditions		FR1 n7 (QPSK) / Middle Channel 10M			
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Frequency Offset (Δf) (Hz)	Within Authorized Frequency Block(Hz)	Result
50	Normal Voltage	0.0073	-6	Yes	PASS
40	Normal Voltage	0.0047	-11.2	Yes	
30	Normal Voltage	0.0124	-11	Yes	
20(Ref.)	Normal Voltage	0.0000	0	Yes	
10	Normal Voltage	0.0131	-5.2	Yes	
0	Normal Voltage	0.0092	-0.5	Yes	
-10	Normal Voltage	0.0113	-3.3	Yes	
-20	Normal Voltage	0.0147	-7.8	Yes	
-30	Normal Voltage	0.0047	-10	Yes	
20	Maximum Voltage	0.0139	-3.4	Yes	
20	Normal Voltage	0.0023	-8.5	Yes	
20	Minimum Voltage	0.0174	1.5	Yes	

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.
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.

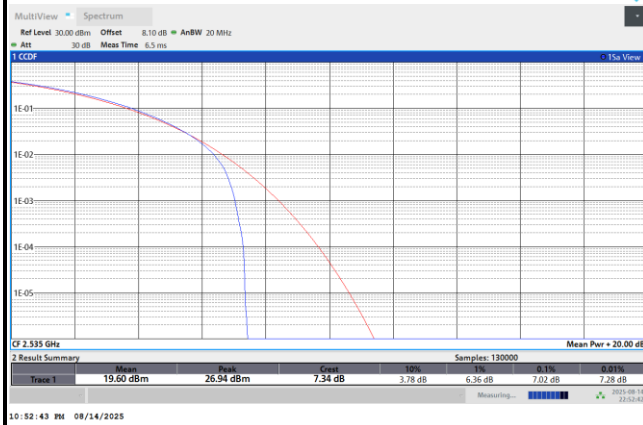
**FR1 n7****MIMO <Ant. 0+3> (Ant. 3)****Peak-to-Average Ratio**

Mode	FR1 n7 / 20MHz / CP OFDM				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	7.02	6.80	7.78	8.58	PASS

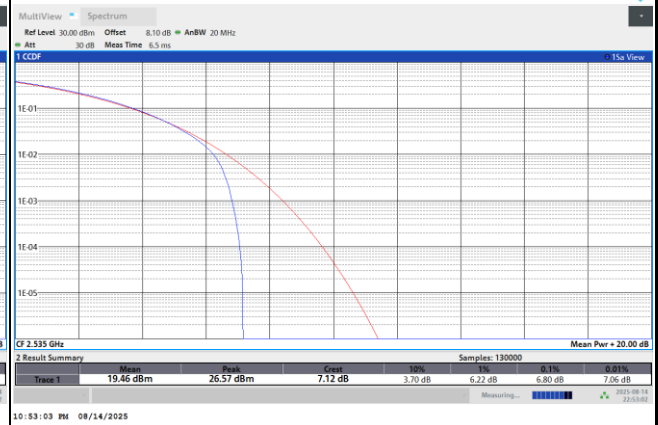


FR1 n7 / 20MHz / CP OFDM / Middle Channel / Full RB

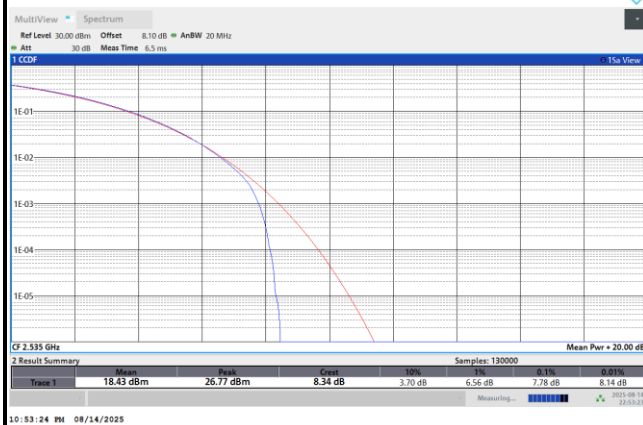
QPSK



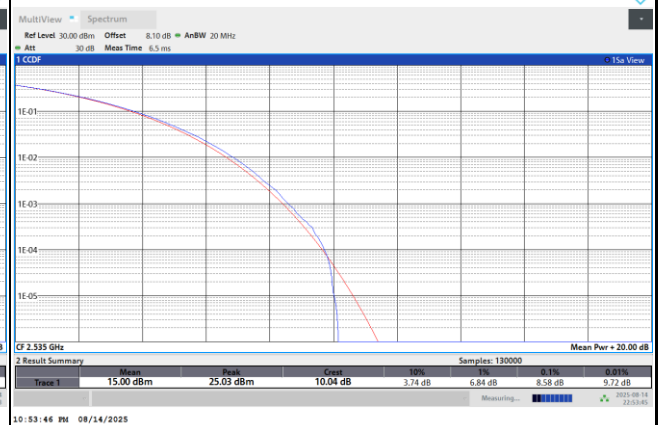
16QAM



64QAM



256QAM

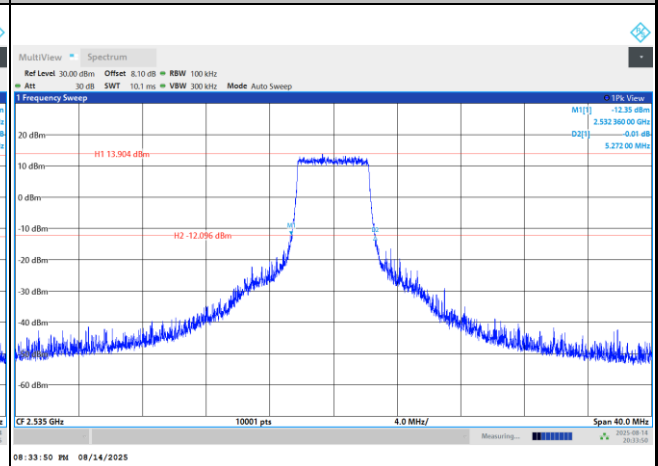


**26dB Bandwidth**

Mode	FR1 n7 : 26dB BW(MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	5.34	5.27	10.31	10.42	15.31	15.41	22.02	21.18
BW	25MHz		30MHz		35MHz		40MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	25.80	25.31	32.21	32.46	36.12	36.89	41.72	41.14
BW	50MHz							
Mod.	QPSK	16QAM						
Middle CH	50.89	50.80						

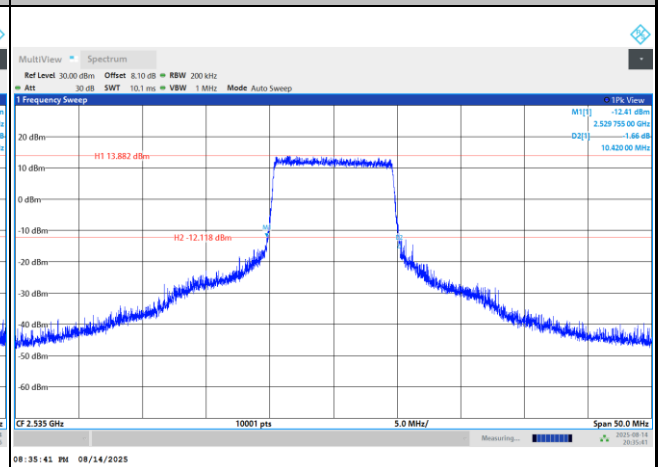


16QAM



FR1 n7 / 10MHz / CP OFDM / Middle Channel / Full RB

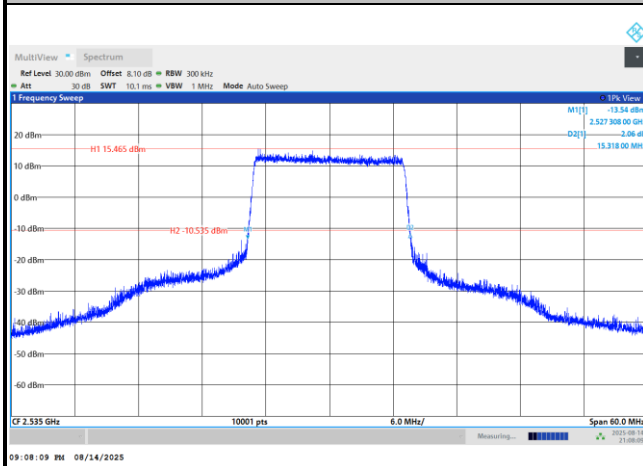
16QAM



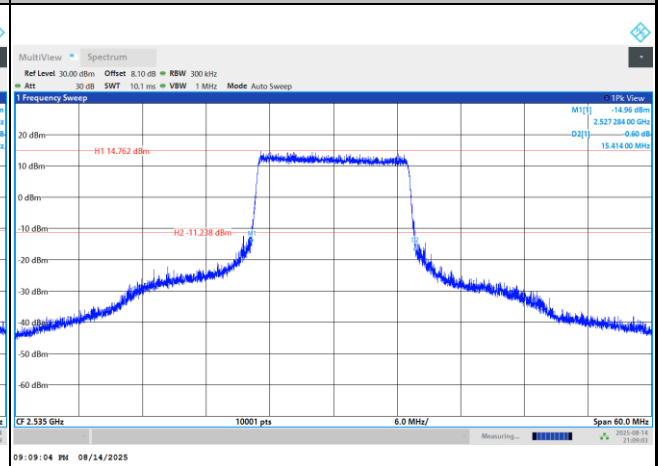


FR1 n7 / 15MHz / CP OFDM / Middle Channel / Full RB

QPSK

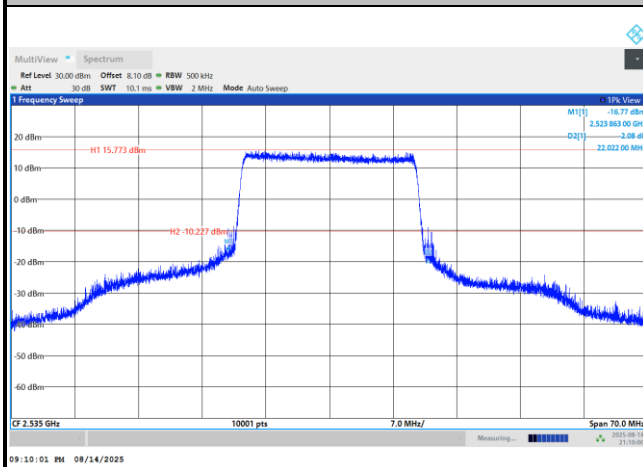


16QAM

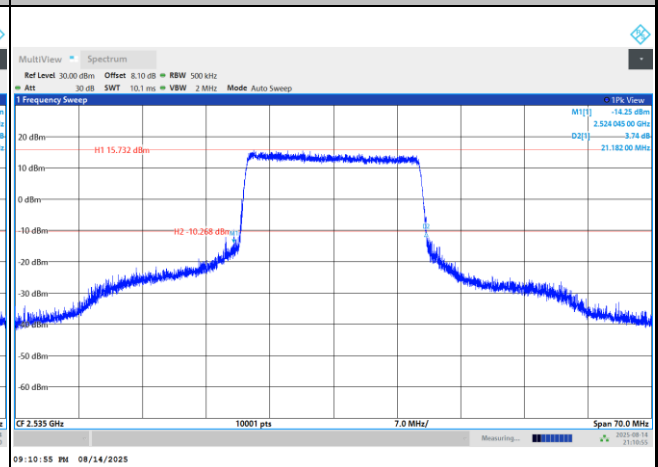


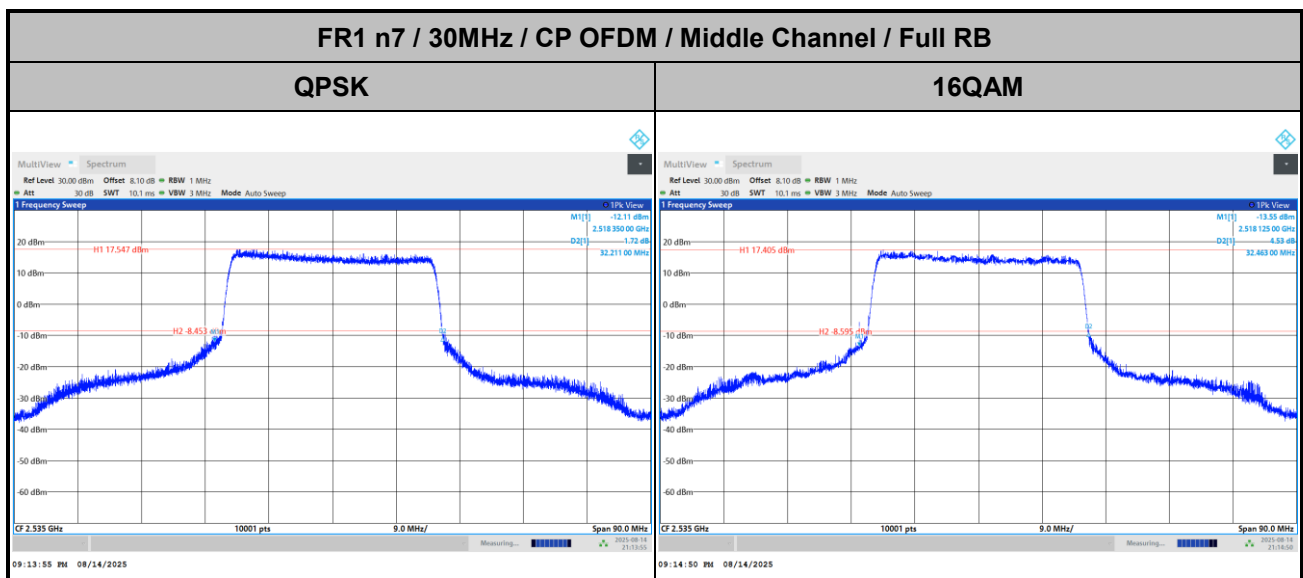
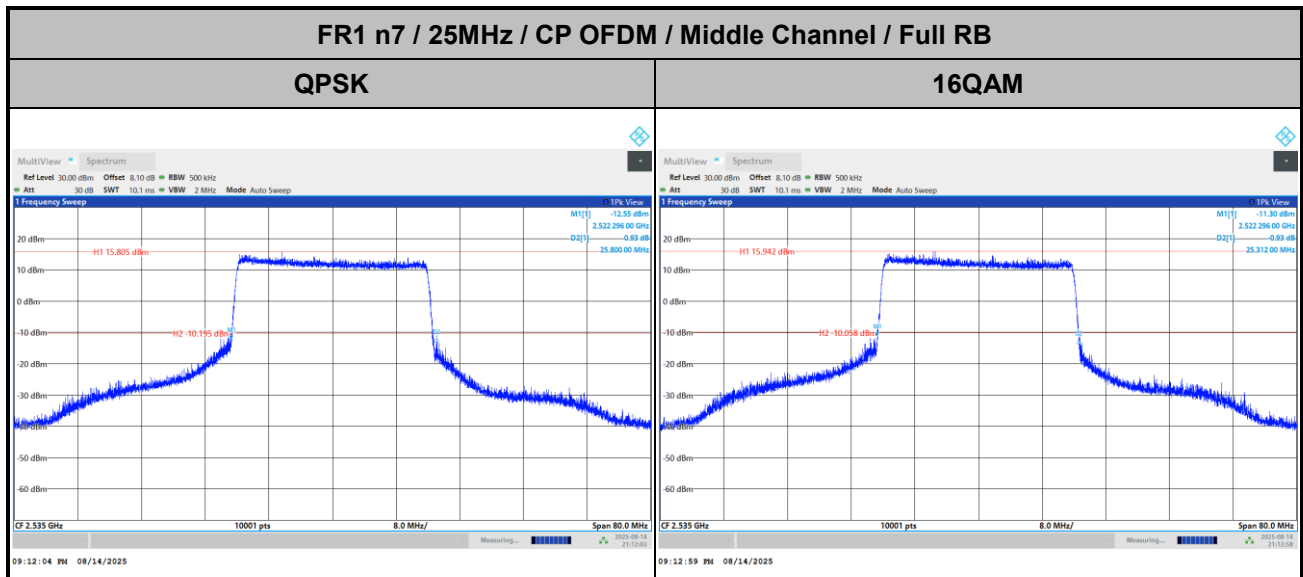
FR1 n7 / 20MHz / CP OFDM / Middle Channel / Full RB

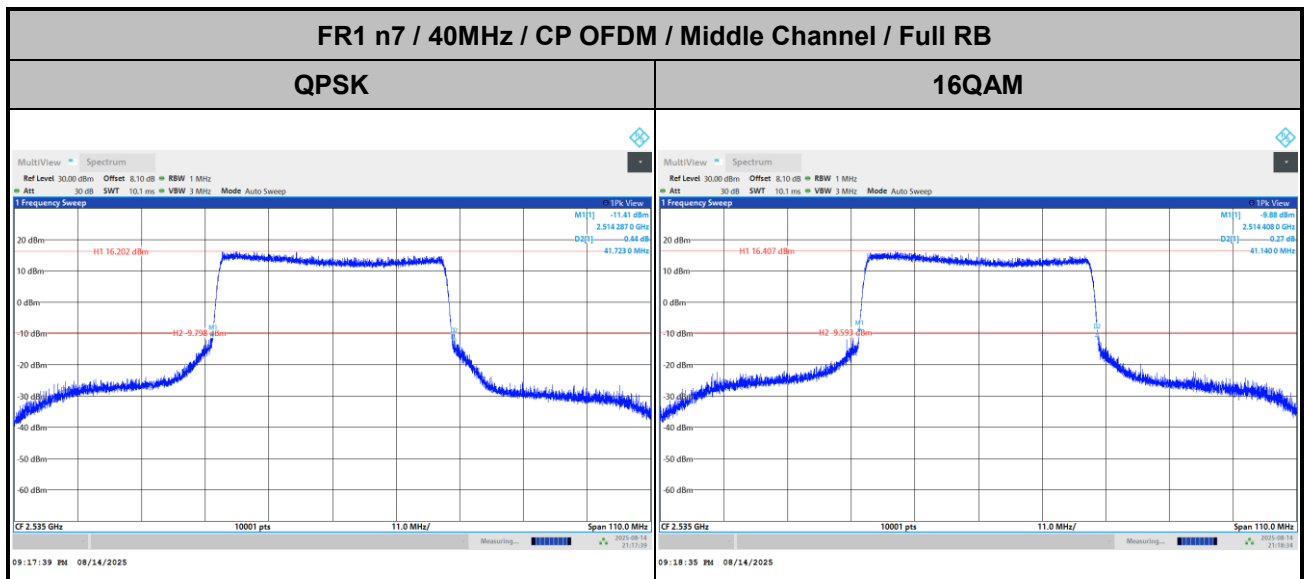
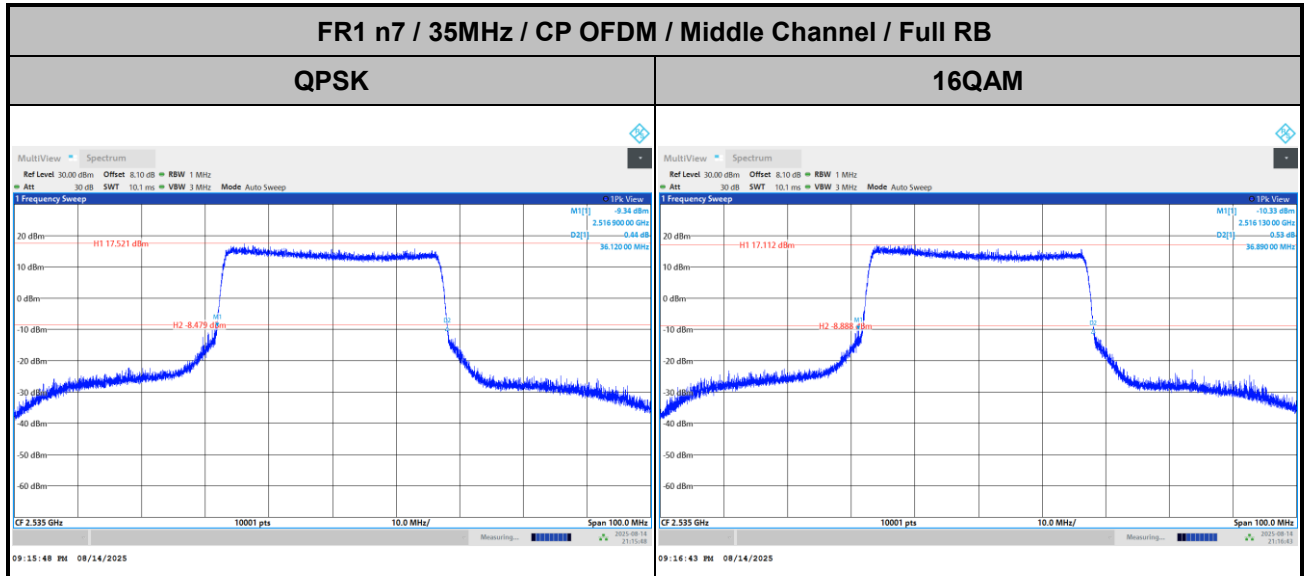
QPSK

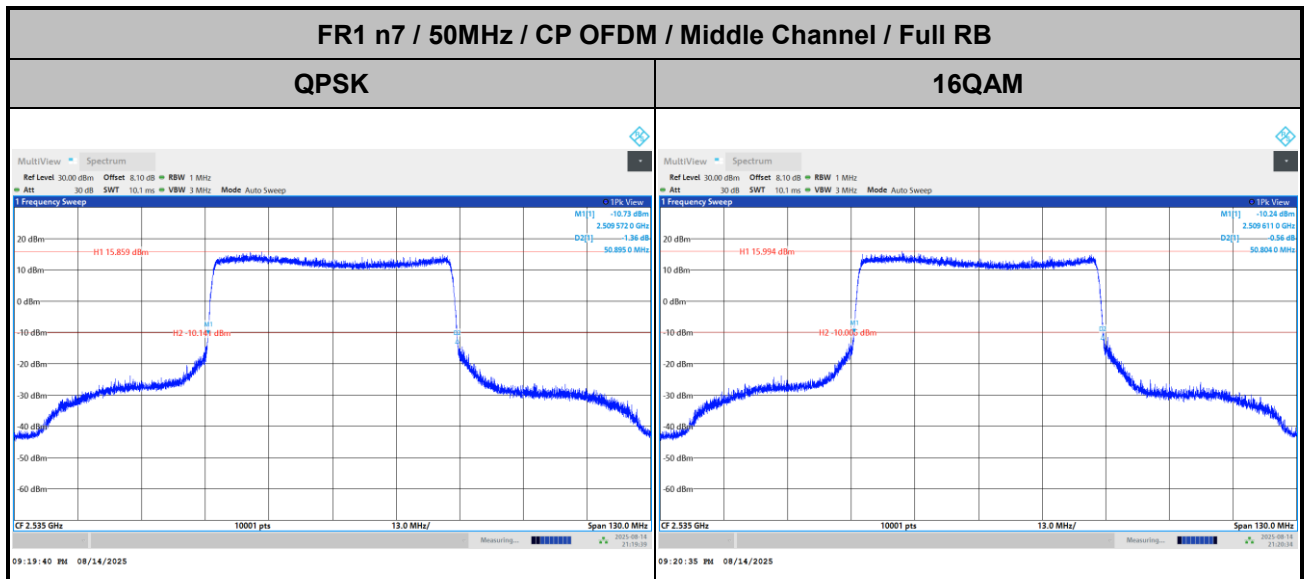


16QAM









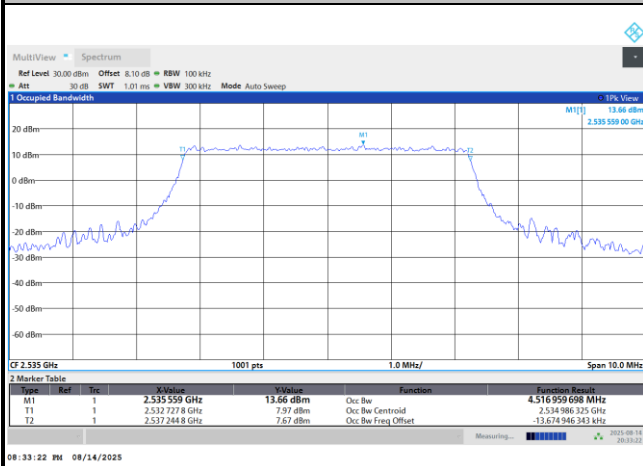
**Occupied Bandwidth**

Mode	FR1 n7 : 99%OBW(MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.51	4.55	9.36	9.35	14.16	14.16	19.06	19.06
BW	25MHz		30MHz		35MHz		40MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	23.89	23.86	28.94	28.98	33.93	33.93	38.95	38.91
BW	50MHz							
Mod.	QPSK	16QAM						
Middle CH	48.38	48.49						

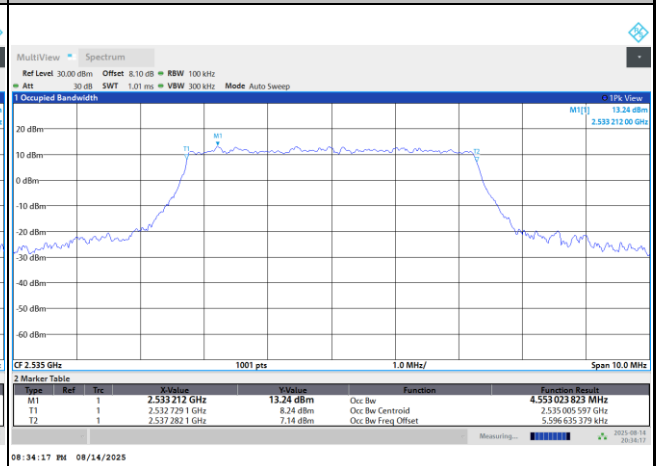


FR1 n7 / 5MHz / CP OFDM / Middle Channel / Full RB

QPSK

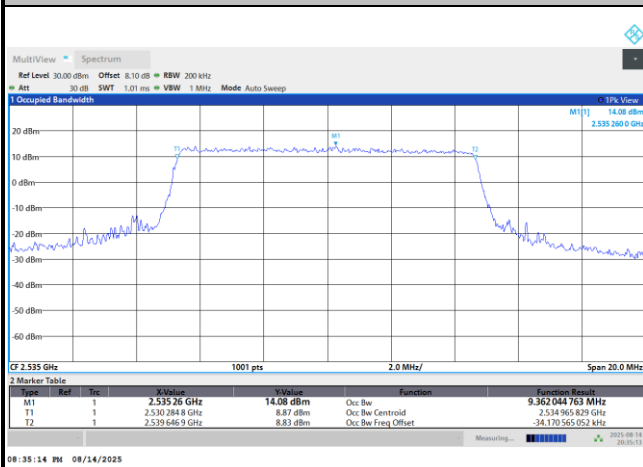


16QAM

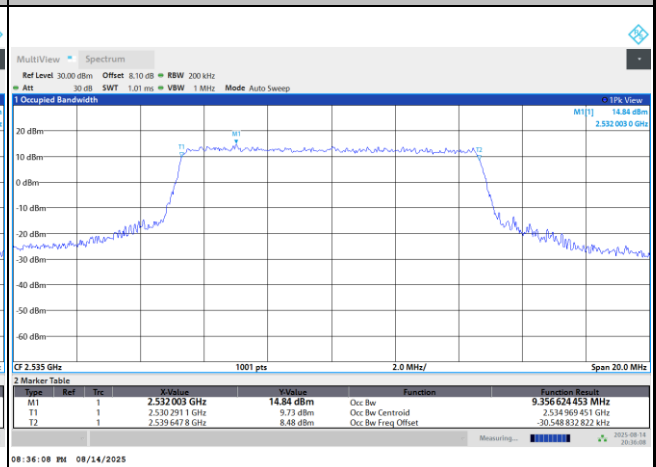


FR1 n7 / 10MHz / CP OFDM / Middle Channel / Full RB

QPSK



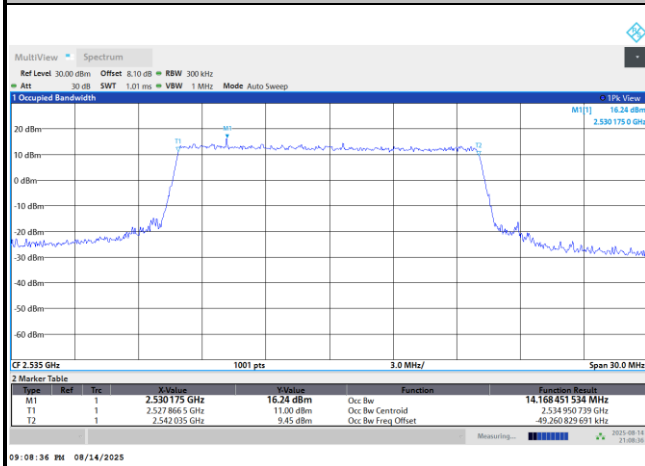
16QAM





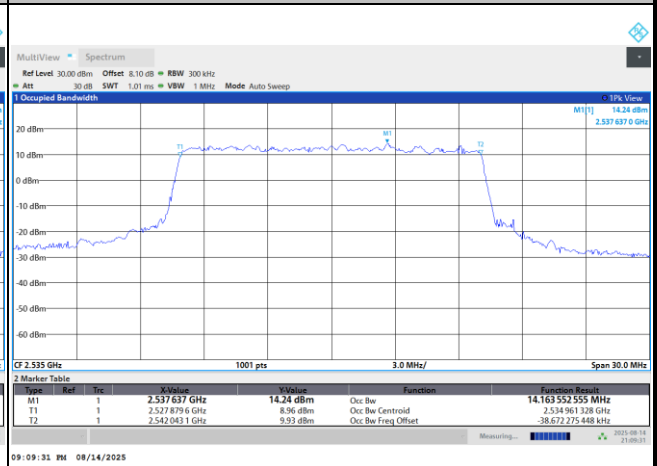
FR1 n7 / 15MHz / CP OFDM / Middle Channel / Full RB

QPSK



09:08:36 PM 08/14/2025

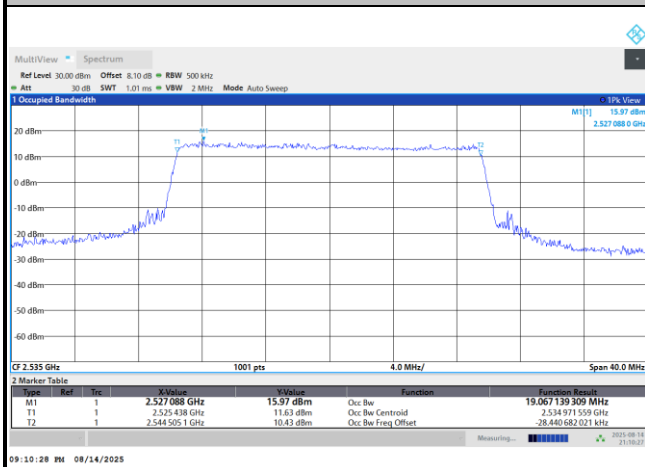
16QAM



09:09:31 PM 08/14/2025

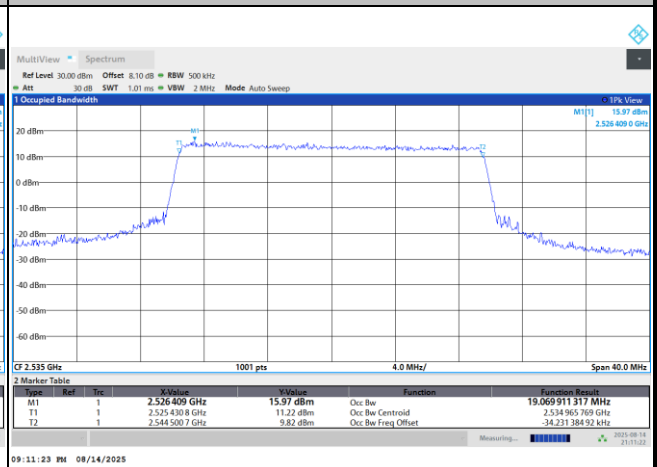
FR1 n7 / 20MHz / CP OFDM / Middle Channel / Full RB

QPSK



09:10:28 PM 08/14/2025

16QAM

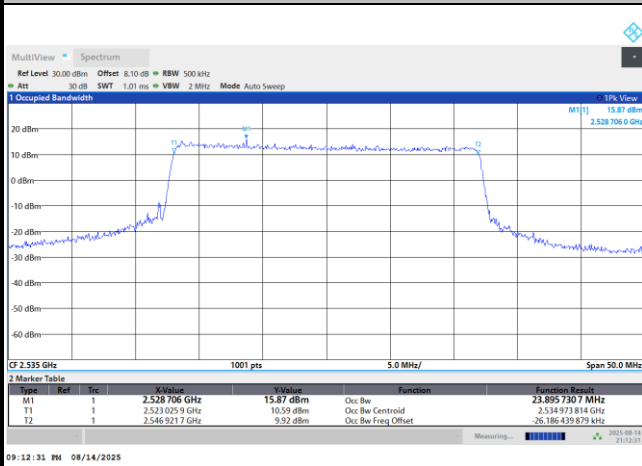


09:11:23 PM 08/14/2025

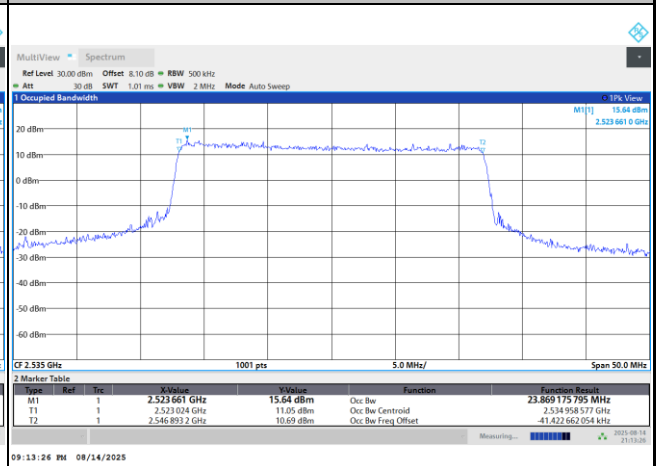


FR1 n7 / 25MHz / CP OFDM / Middle Channel / Full RB

QPSK

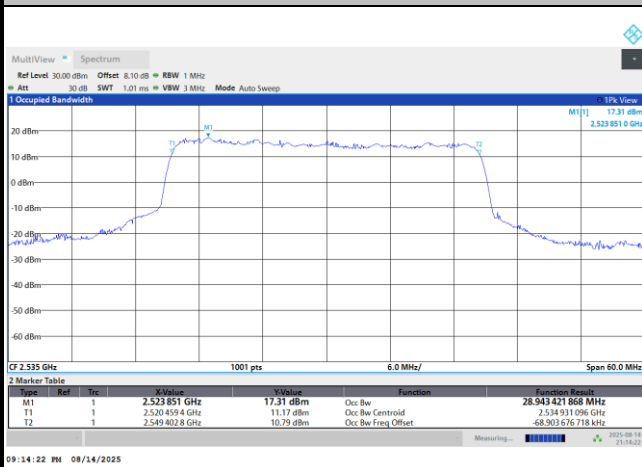


16QAM

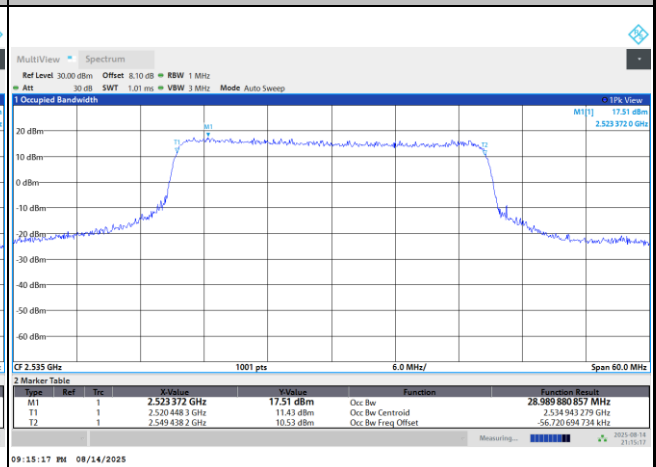


FR1 n7 / 30MHz / CP OFDM / Middle Channel / Full RB

QPSK



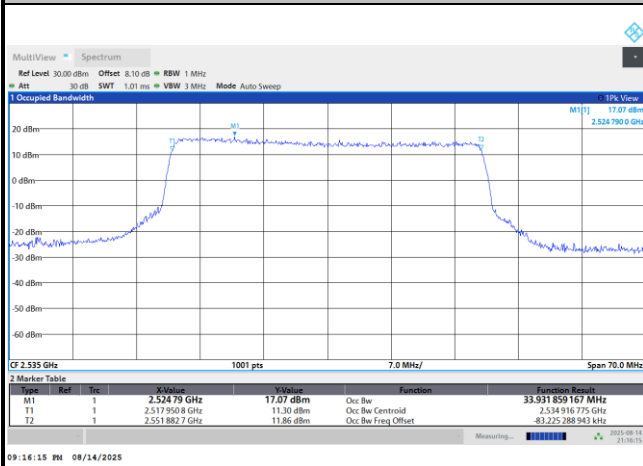
16QAM





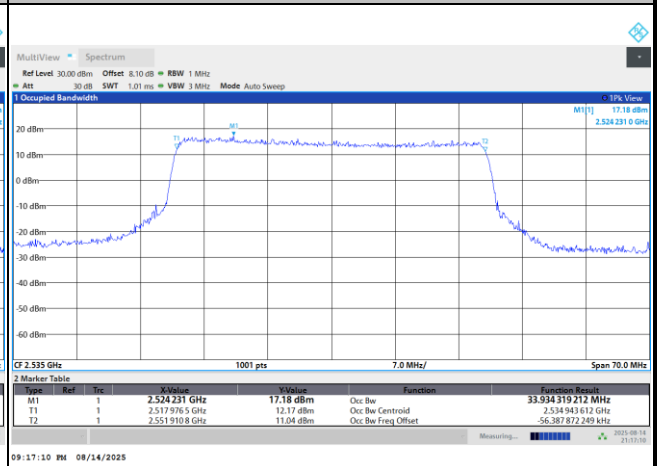
FR1 n7 / 35MHz / CP OFDM / Middle Channel / Full RB

QPSK



09:16:15 PM 08/14/2025

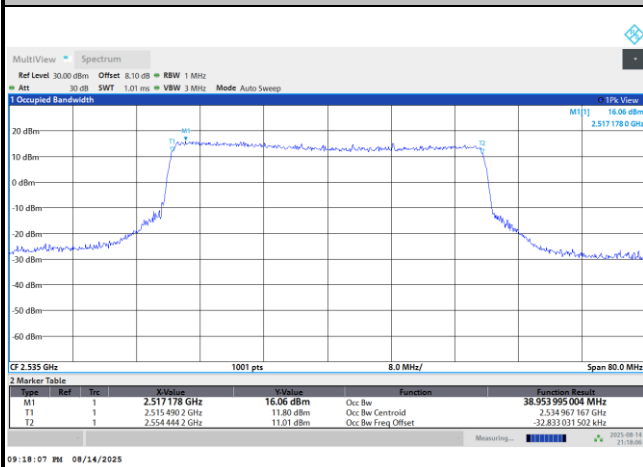
16QAM



09:17:10 PM 08/14/2025

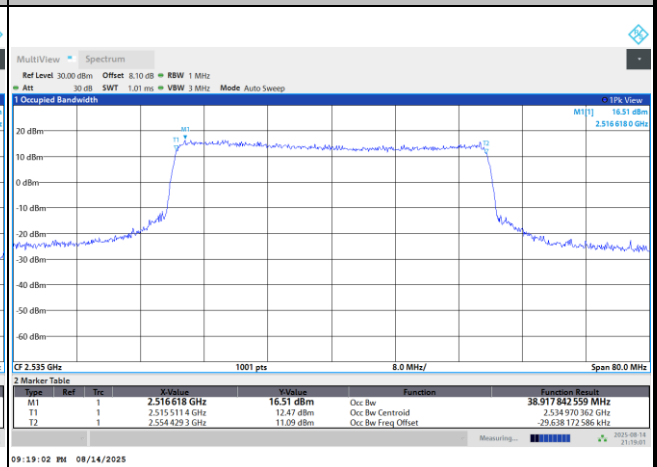
FR1 n7 / 40MHz / CP OFDM / Middle Channel / Full RB

QPSK

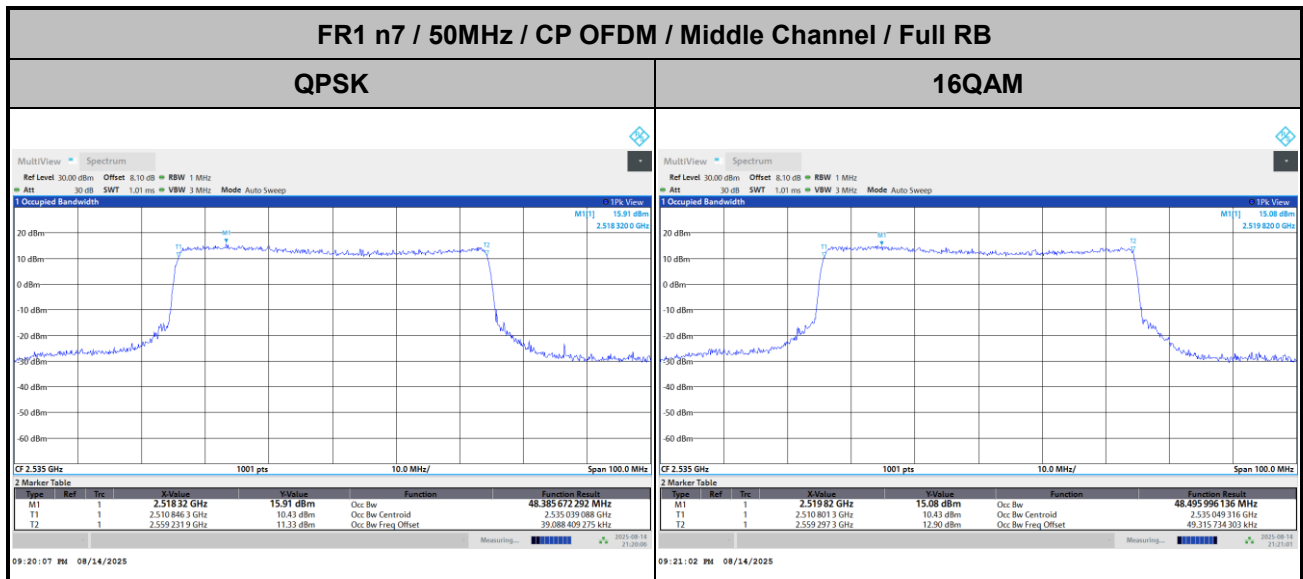


09:18:07 PM 08/14/2025

16QAM



09:19:02 PM 08/14/2025



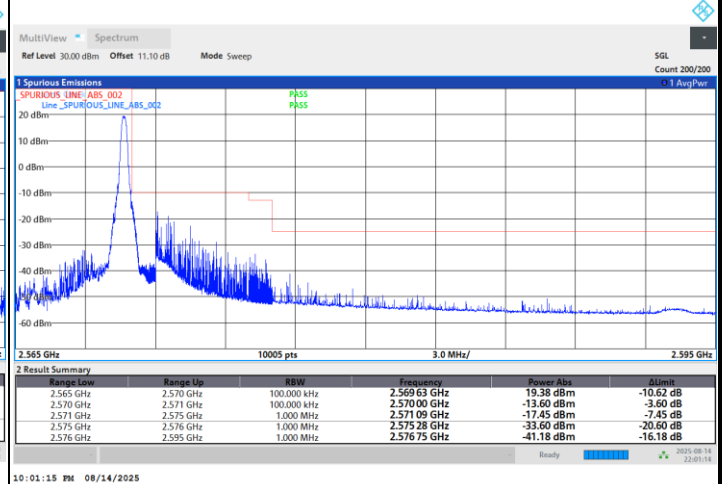
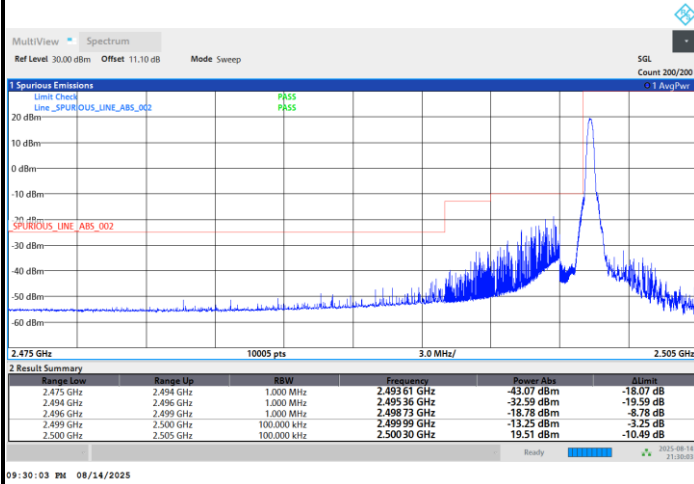


Conducted Band Edge

FR1 n7 / 5MHz / CP OFDM / QPSK

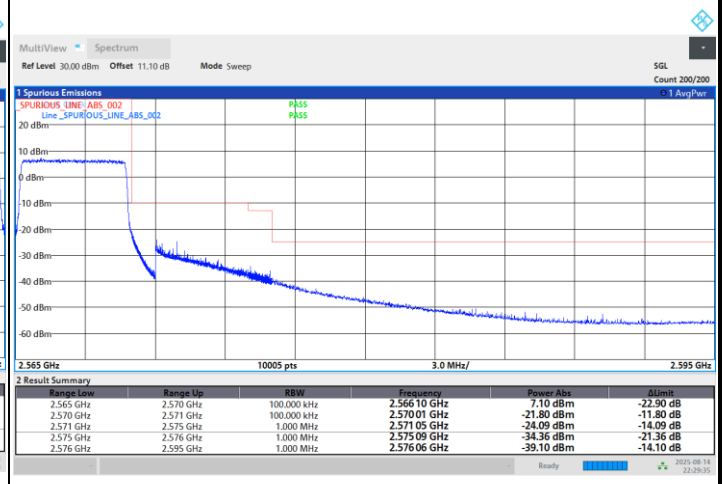
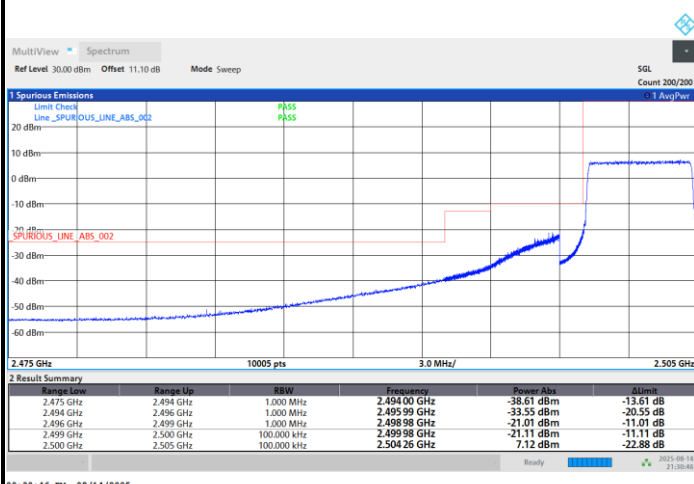
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

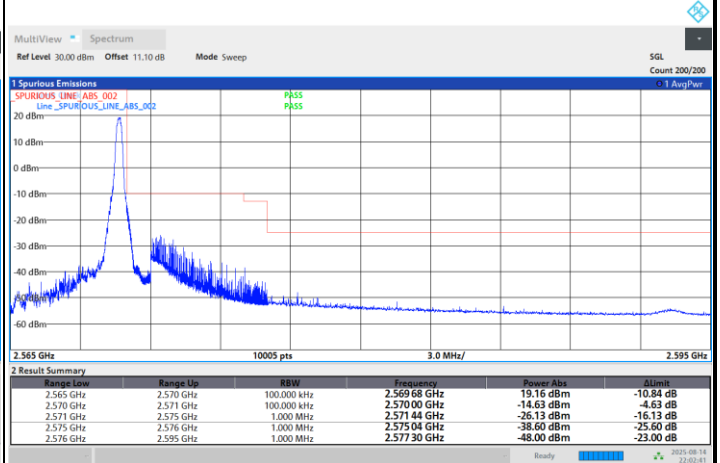
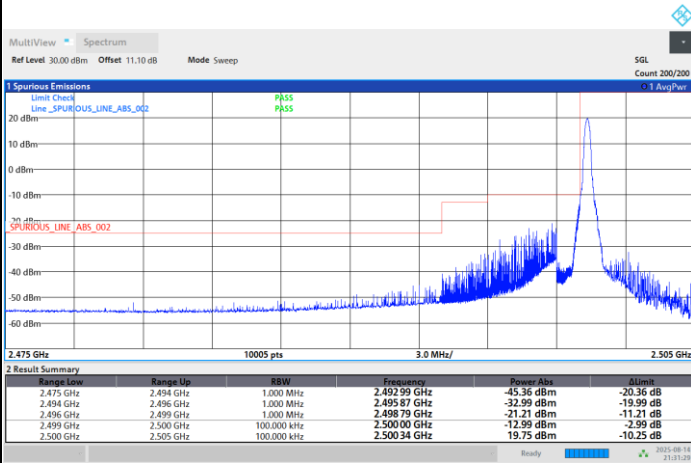




FR1 n7 / 5MHz / CP OFDM / 16QAM

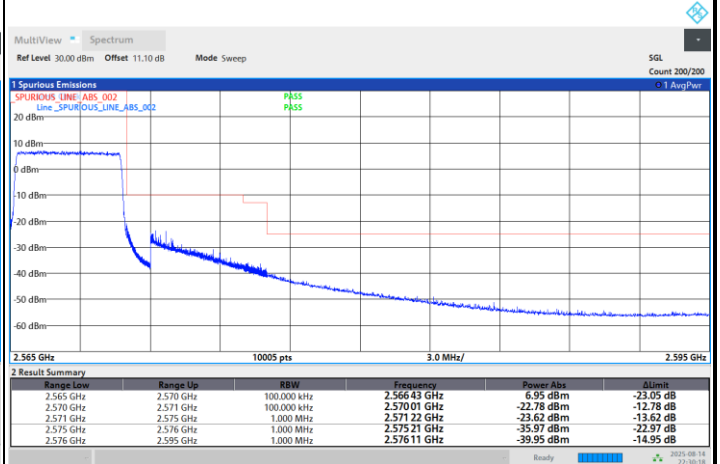
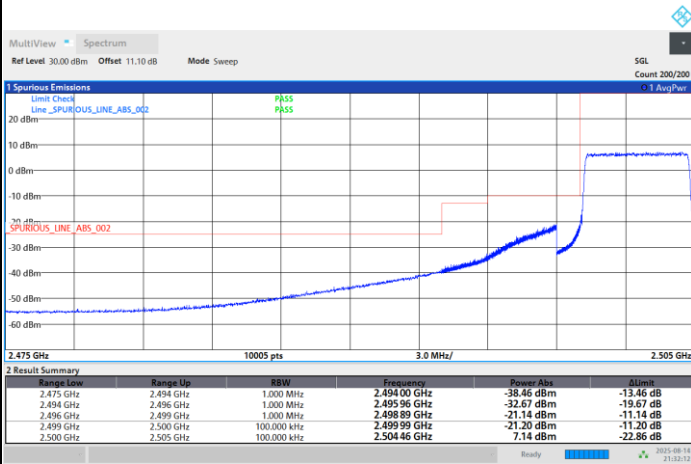
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

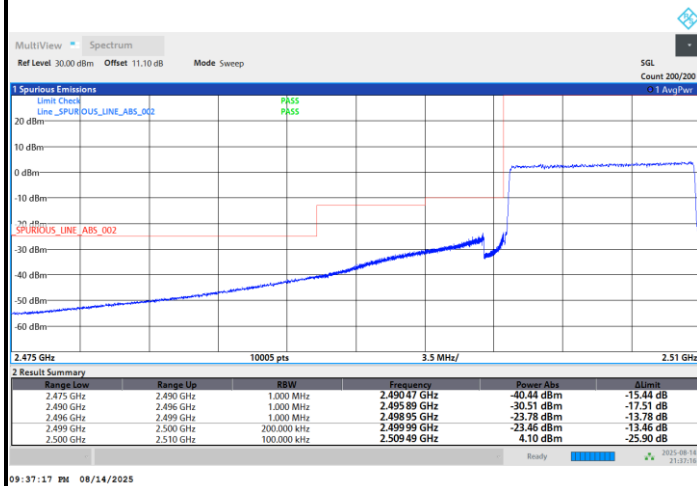
Highest Band Edge / Full RB



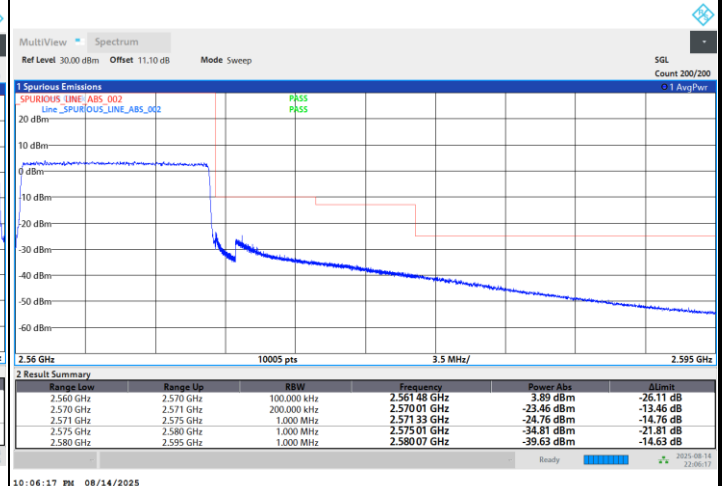


FR1 n7 / 10MHz / CP-OFDM / QPSK

Lowest Band Edge / Full RB

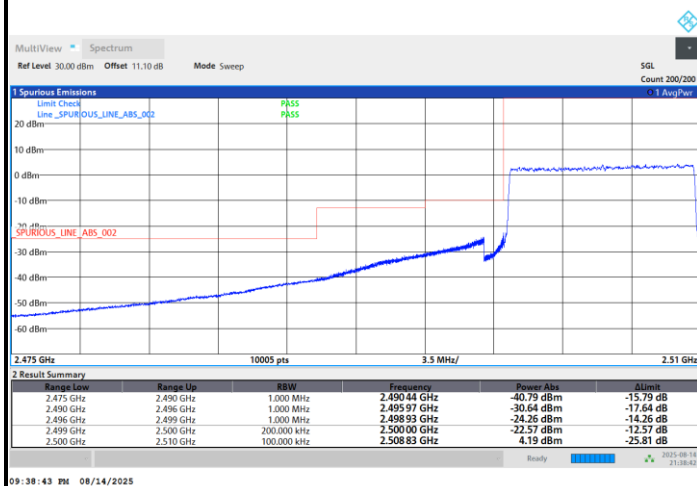


Highest Band Edge / Full RB

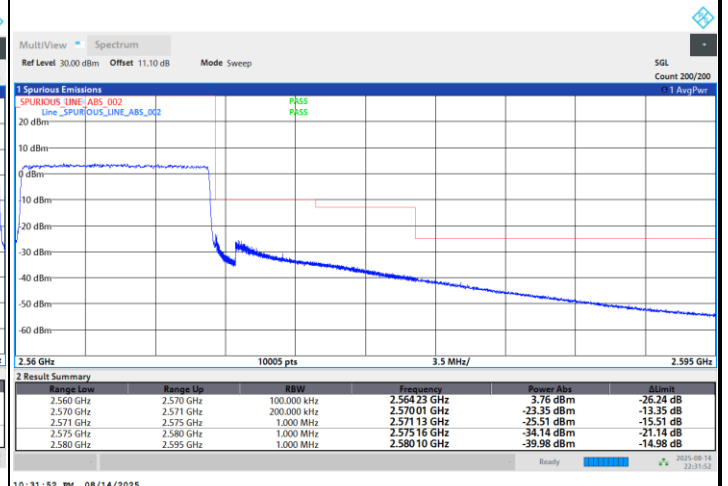


FR1 n7 / 10MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



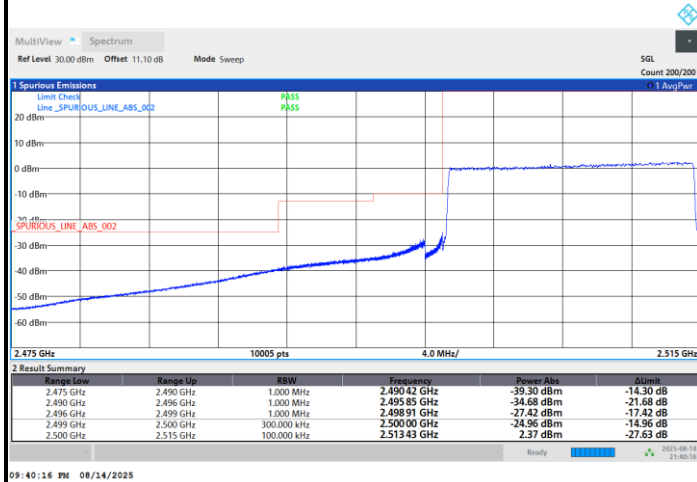
Highest Band Edge / Full RB



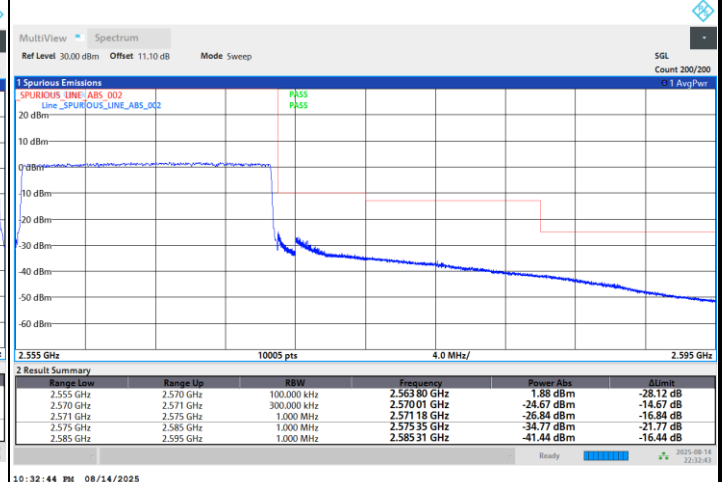


FR1 n7 / 15MHz / CP-OFDM / QPSK

Lowest Band Edge / Full RB

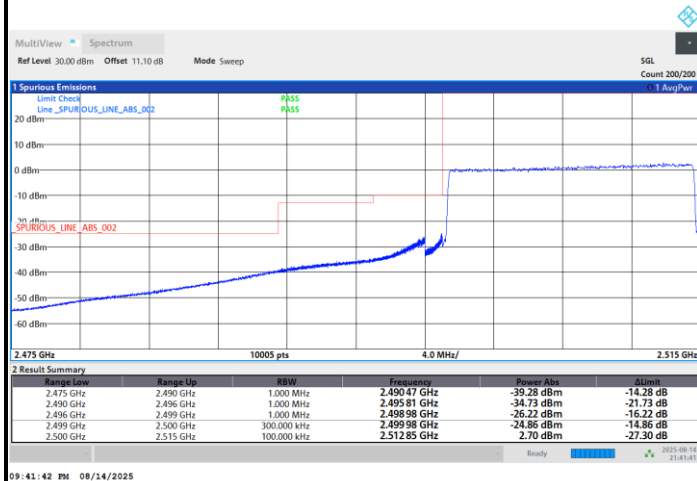


Highest Band Edge / Full RB

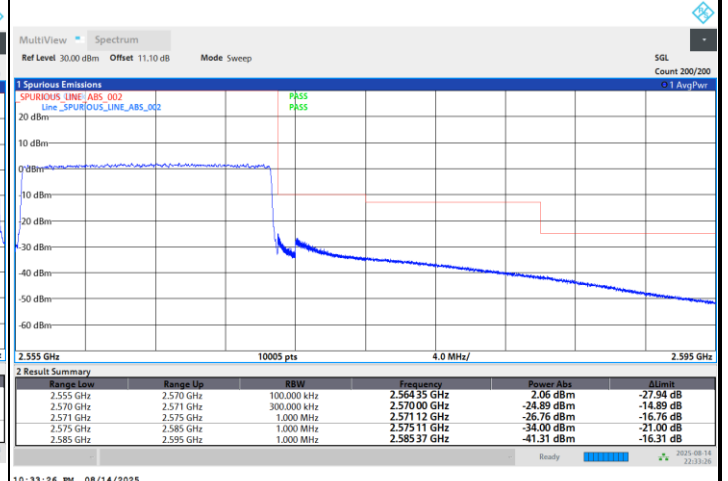


FR1 n7 / 15MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



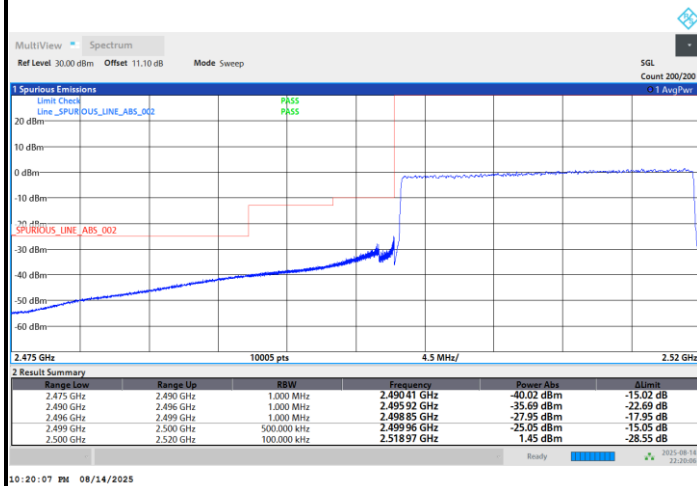
Highest Band Edge / Full RB



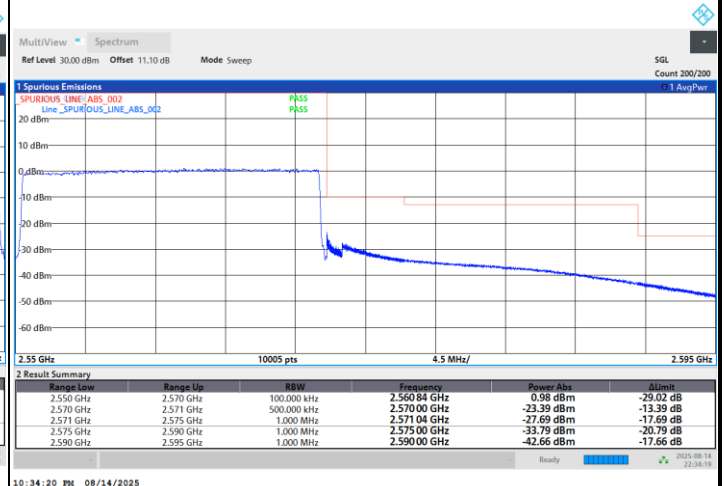


FR1 n7 / 20MHz / CP-OFDM / QPSK

Lowest Band Edge / Full RB

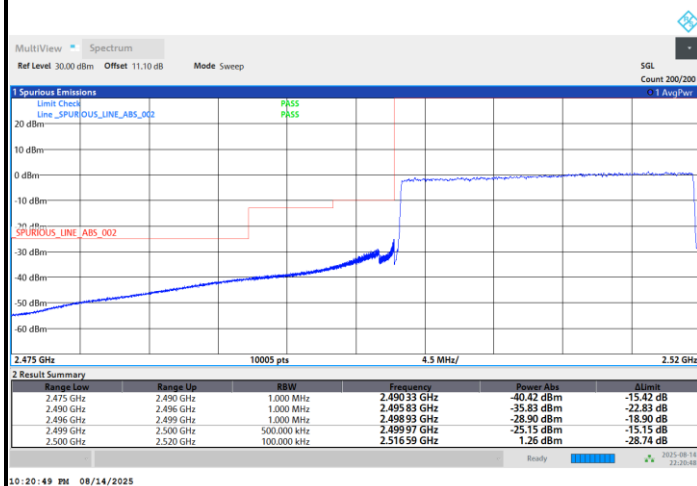


Highest Band Edge / Full RB

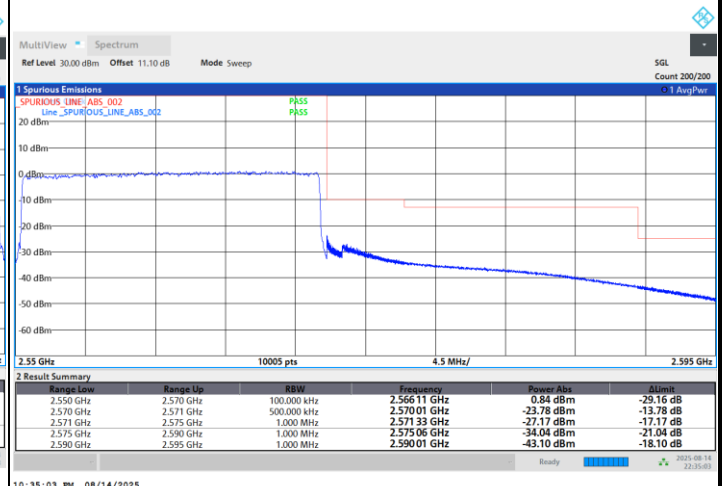


FR1 n7 / 20MHz / CP-OFDM / 16QAM

Lowest Band Edge / Full RB



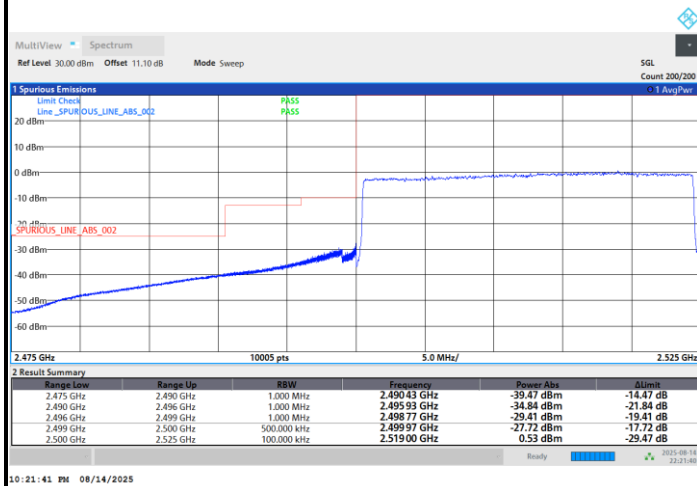
Highest Band Edge / Full RB



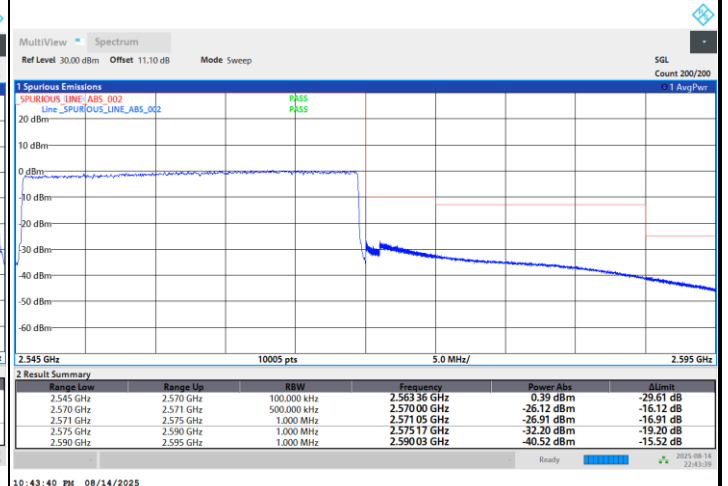


FR1 n7 / 25MHz / CP-OFDM / QPSK

Lowest Band Edge / Full RB

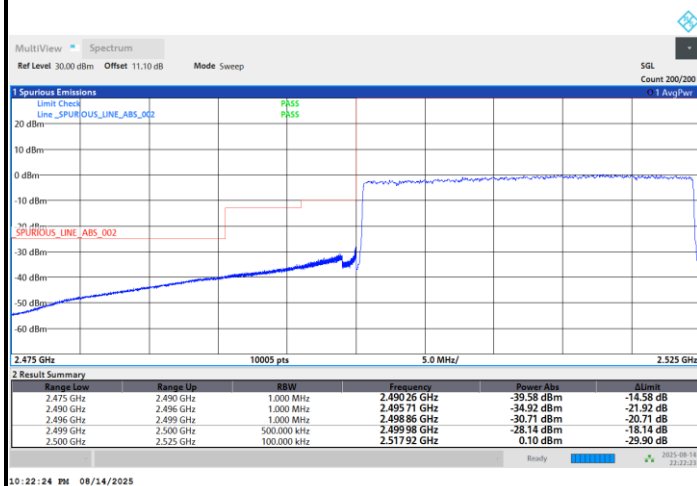


Highest Band Edge / Full RB



FR1 n7 / 25MHz / CP-OFDM / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

