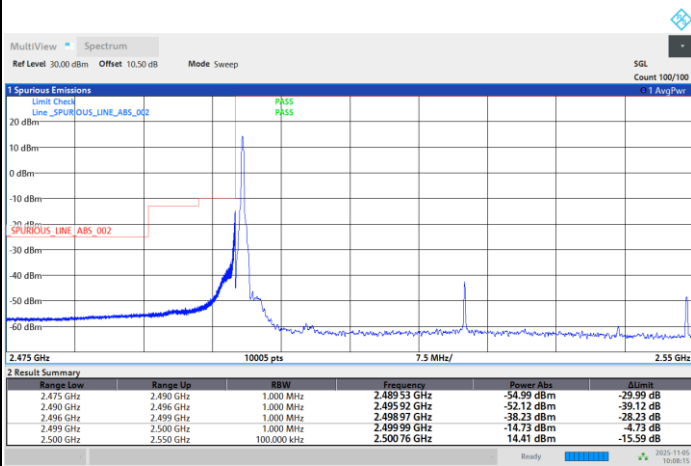




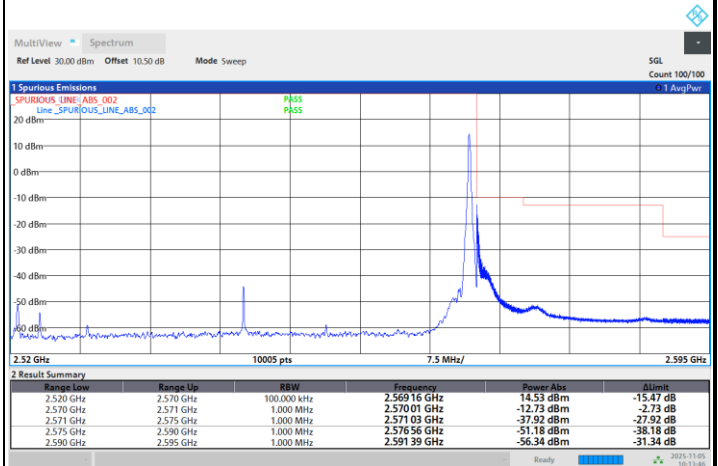
FR1 n7 / 50MHz / CP OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



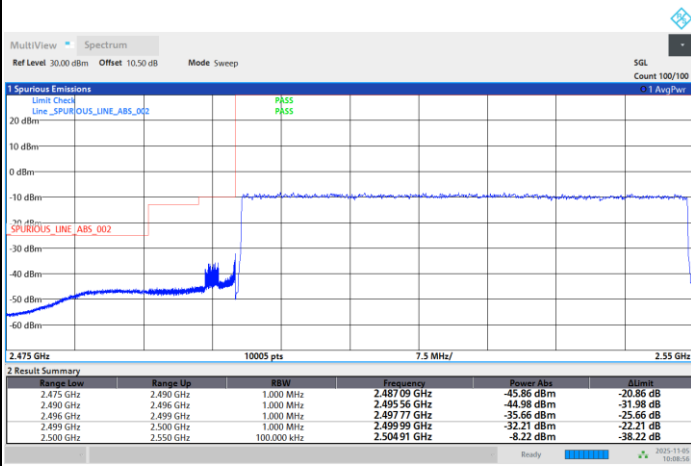
10:08:16 AM 11/05/2025



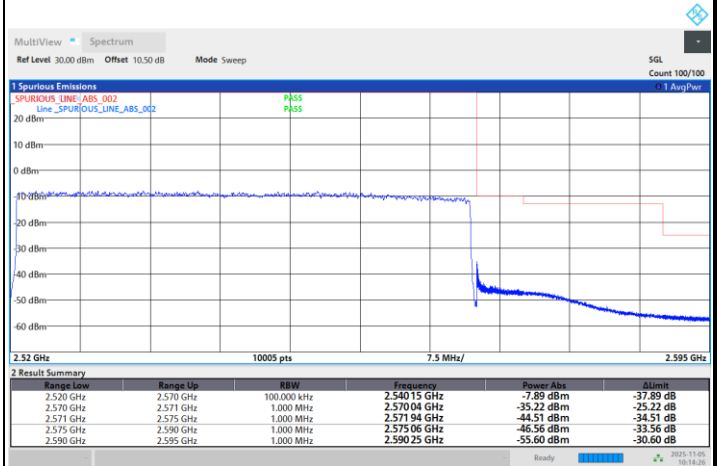
10:13:46 AM 11/05/2025

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



10:08:56 AM 11/05/2025



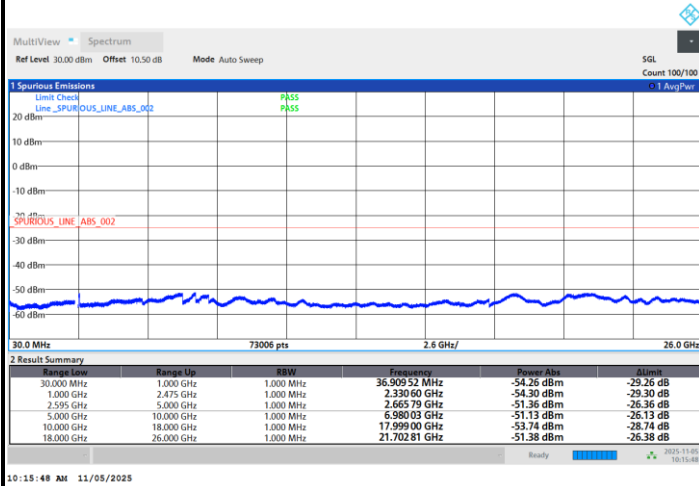
10:14:26 AM 11/05/2025



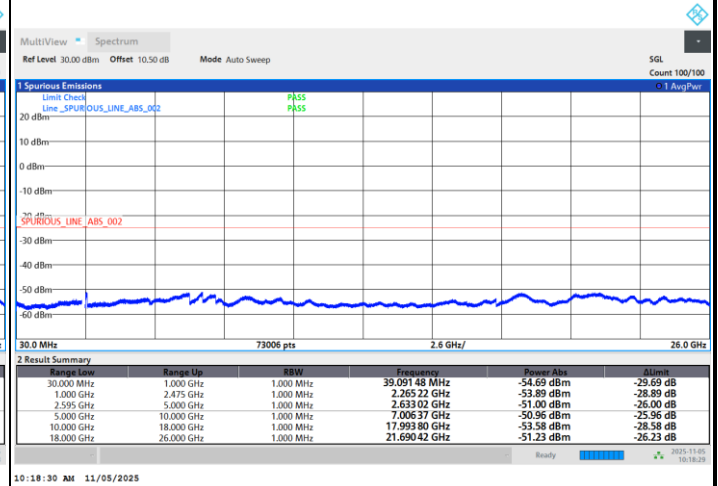
Conducted Spurious Emission

FR1 n7 / 50MHz / CP OFDM / QPSK / 1RB1

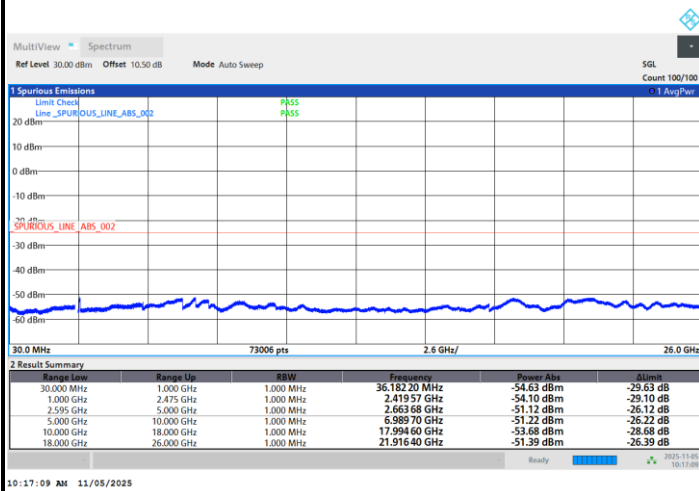
Lowest Channel



Middle Channel



Highest Channel



**Frequency Stability**

Test Conditions		FR1 n7 (QPSK) / Middle Channel 50M			
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Frequency Offset (Δf) (Hz)	Within Authorized Frequency Block(Hz)	Result
50	Normal Voltage	0.0000	0	Yes	PASS
40	Normal Voltage	0.0066	16.8	Yes	
30	Normal Voltage	0.0010	2.6	Yes	
20(Ref.)	Normal Voltage	0.0000	0	Yes	
10	Normal Voltage	0.0026	6.6	Yes	
0	Normal Voltage	0.0019	4.7	Yes	
-10	Normal Voltage	0.0027	6.8	Yes	
-20	Normal Voltage	0.0060	15.1	Yes	
-30	Normal Voltage	0.0030	7.6	Yes	
20	Maximum Voltage	0.0002	-0.4	Yes	
20	Normal Voltage	0.0028	7.2	Yes	
20	Minimum Voltage	0.0022	5.6	Yes	

Note:

1. Normal Voltage = 3.3 V. ; Minimum Voltage = 3.135 V. ; Maximum Voltage = 4.4 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.

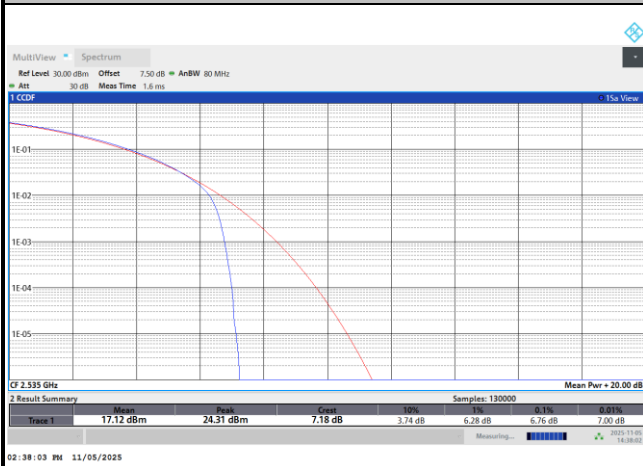
**FR1 n7****MIMO <Ant. 0+2> (Ant. 2)****Peak-to-Average Ratio**

Mode	FR1 n7 / 50MHz / CP OFDM				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	6.76	6.76	7.24	8.48	PASS

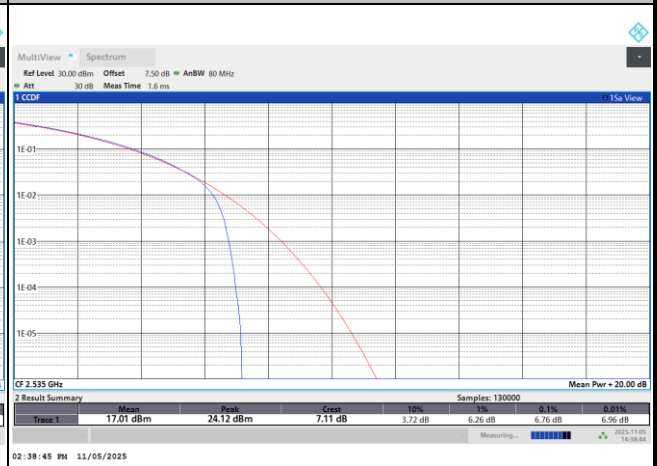


FR1 n7 / 50MHz / CP OFDM / Middle Channel / Full RB

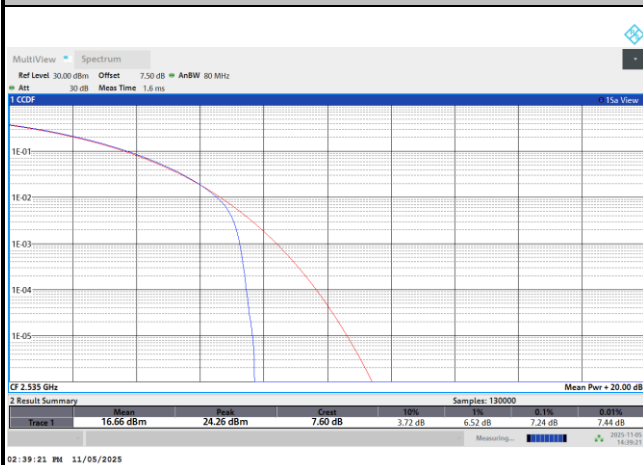
QPSK



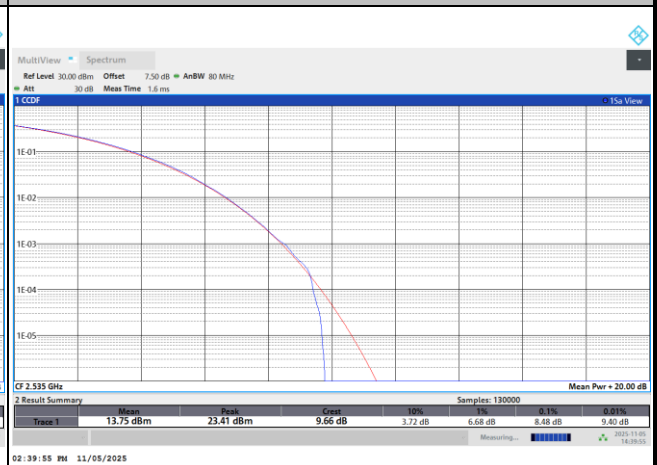
16QAM



64QAM



256QAM

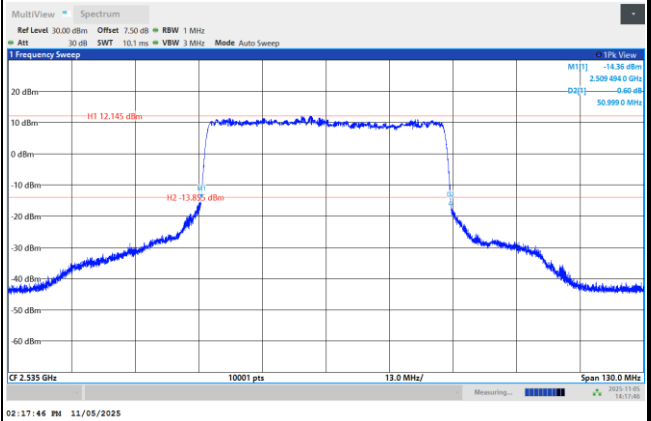


**26dB Bandwidth**

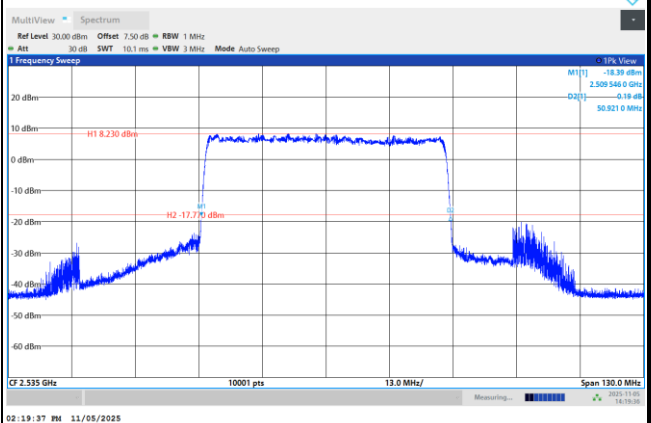
Mode	FR1 n7 : 26dB BW(MHz) / CP OFDM							
BW	50MHz							
Mod.	QPSK	16QAM						
Middle CH	50.83	50.99						
Mod.	64QAM	256QAM						
Middle CH	50.98	50.92						

**FR1 n7 / 50MHz / CP OFDM / Middle Channel / Full RB**

16QAM



256QAM



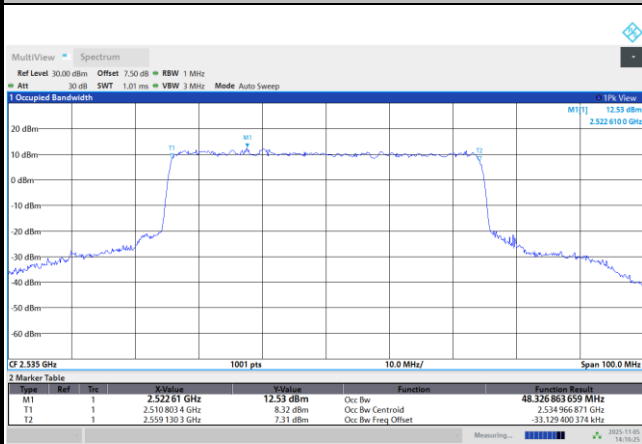
**Occupied Bandwidth**

Mode	FR1 n7 : OB BW(MHz) / CP OFDM							
BW	50MHz							
Mod.	QPSK	16QAM						
Middle CH	48.32	48.36						
Mod.	64QAM	256QAM						
Middle CH	48.37	48.56						



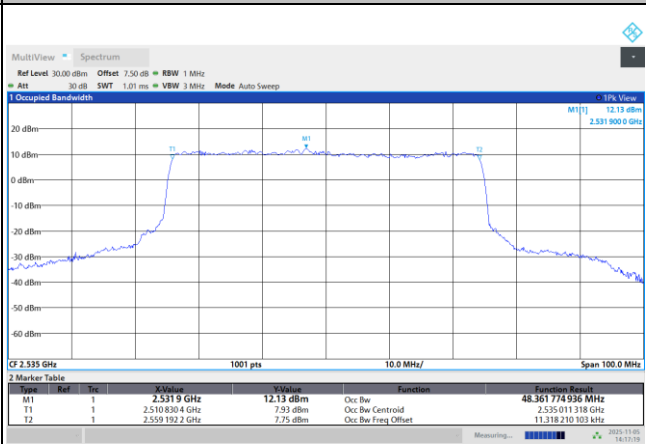
FR1 n7 / 50MHz / CP OFDM / Middle Channel / Full RB

QPSK



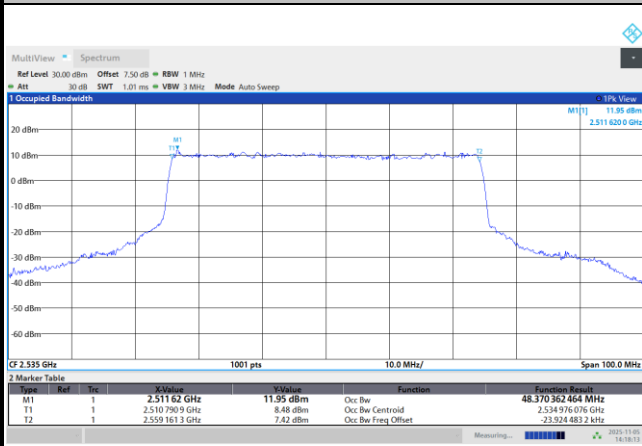
02:16:25 PM 11/05/2025

16QAM



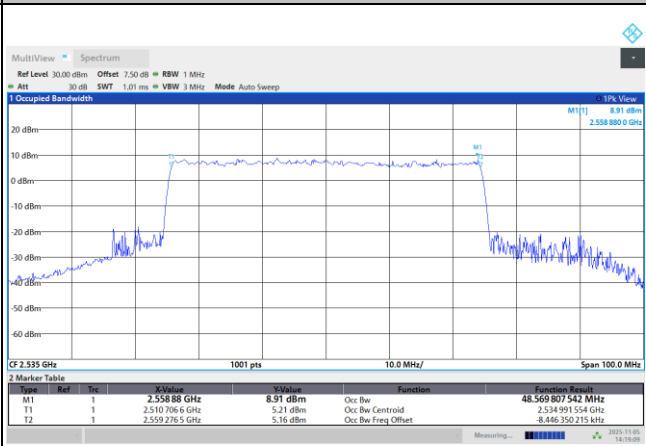
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64QAM

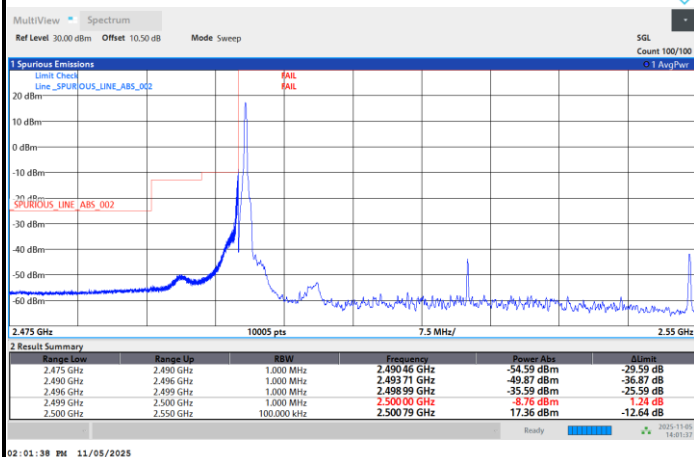
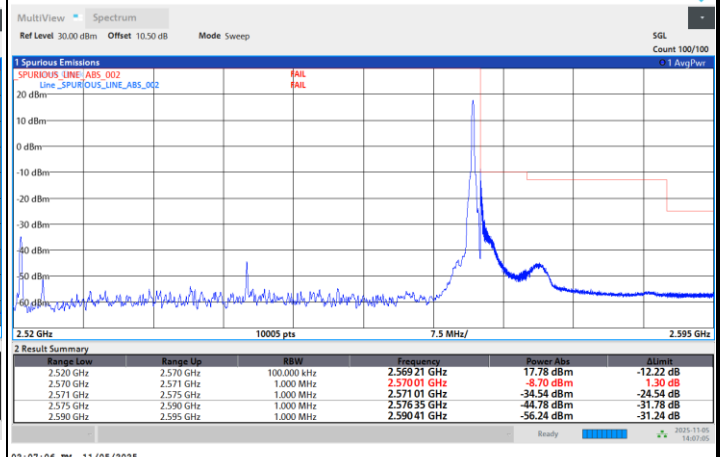


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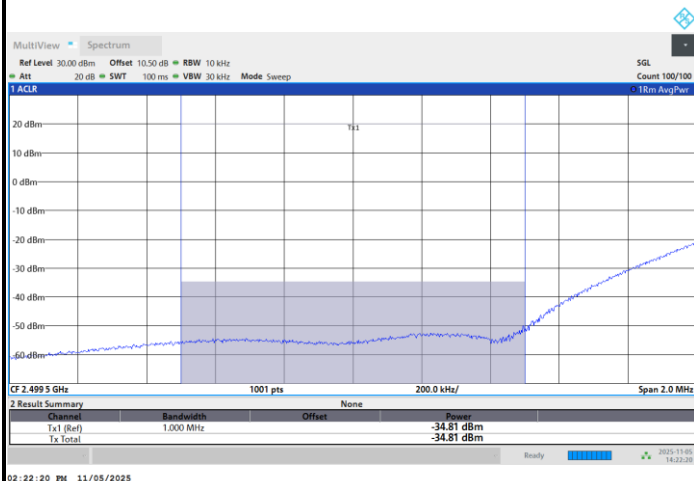
256QAM



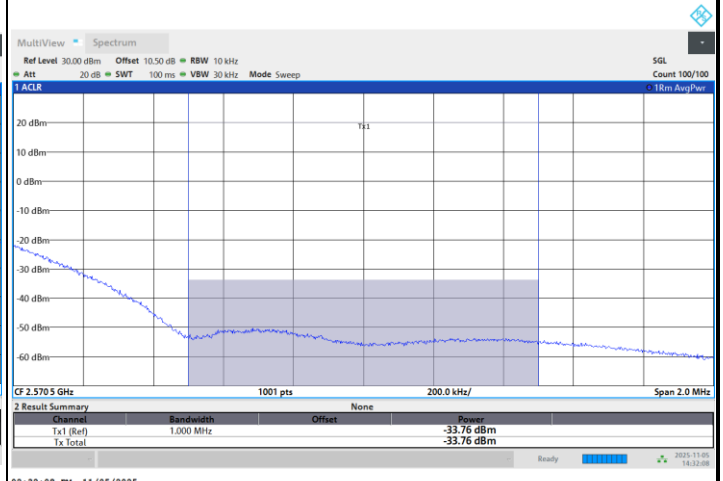
02:19:10 PM 11/05/2025

**Conducted Band Edge****FR1 n7 / 50MHz / CP OFDM / QPSK****Lowest Band Edge / 1RB0****Highest Band Edge / 1RBmax****Lowest Channel 1RB0**

Channel power -10dBm > -34.81dBm (PASS)

**Lowest Channel 1RBmax**

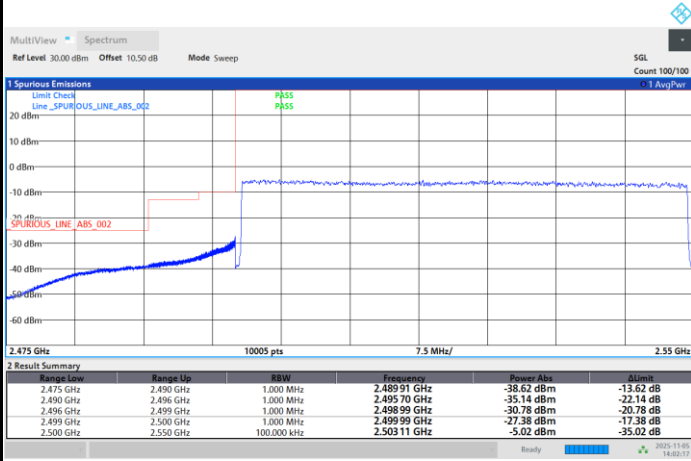
Channel power -10dBm > -33.76dBm (PASS)



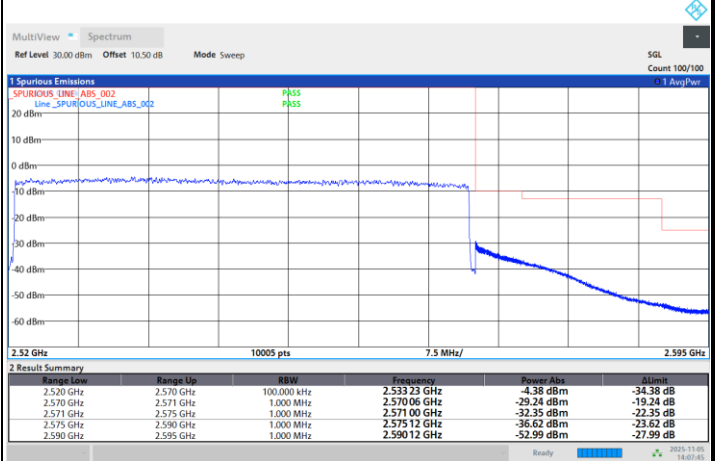


Lowest Band Edge / Full RB

Highest Band Edge / Full RB



02:02:18 PM 11/05/2025



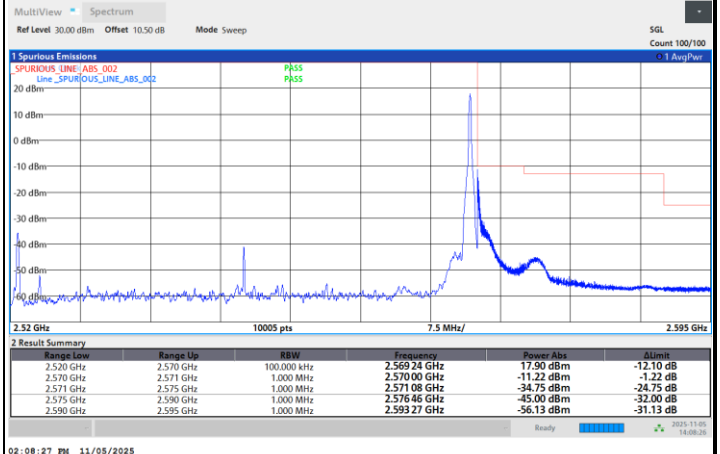
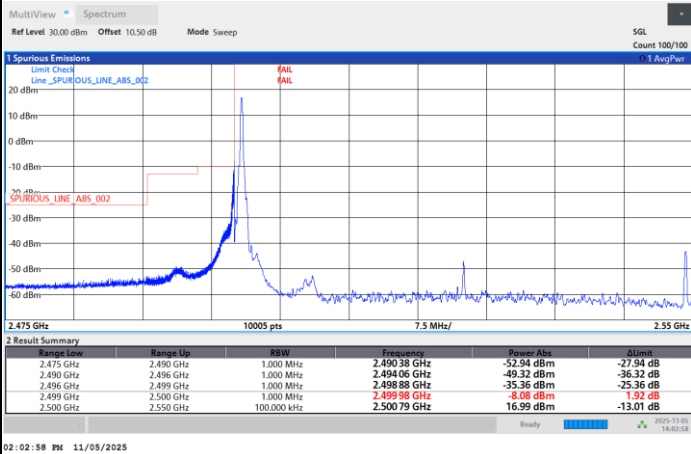
02:07:46 PM 11/05/2025



FR1 n7 / 50MHz / CP OFDM / 16QAM

Lowest Band Edge / 1RB0

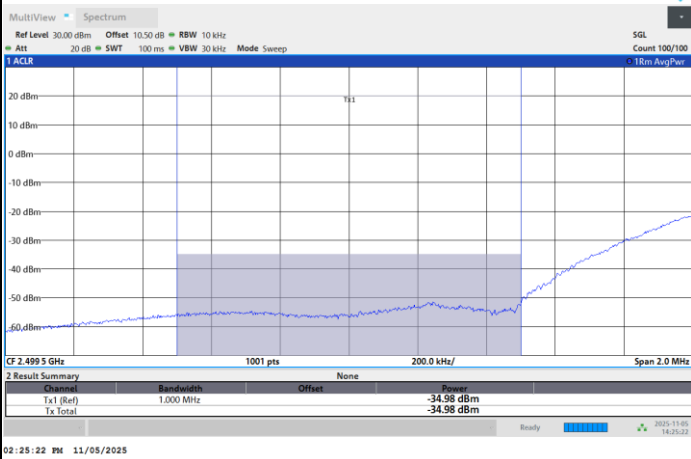
Highest Band Edge / 1RBmax



Lowest Channel 1RB0

Channel power -10dBm > -34.98dBm (PASS)

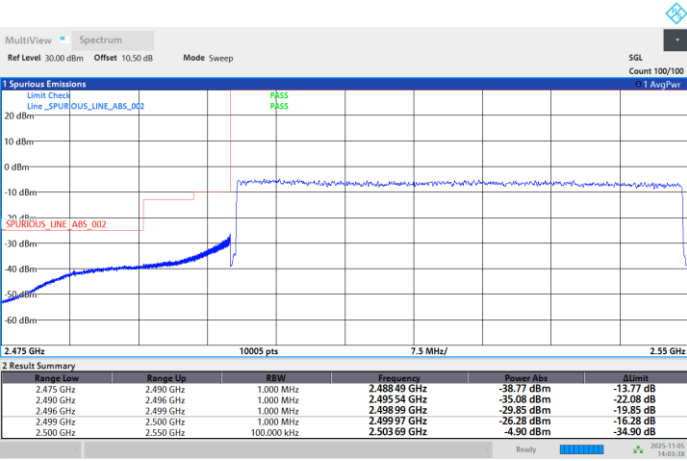
NA



NA

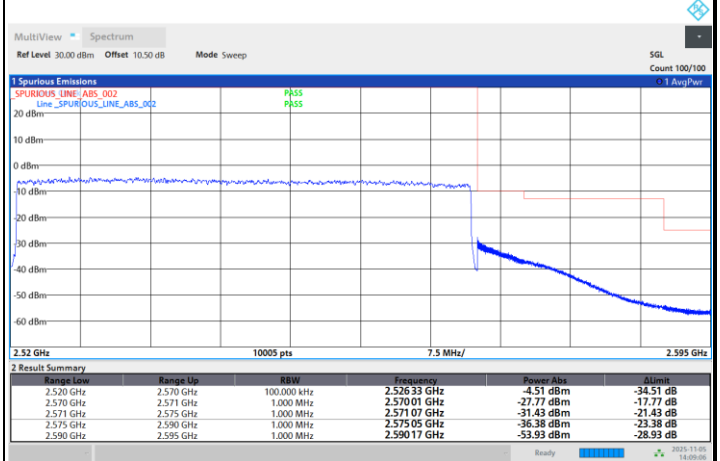


Lowest Band Edge / Full RB



02:03:38 PM 11/05/2025

Highest Band Edge / Full RB

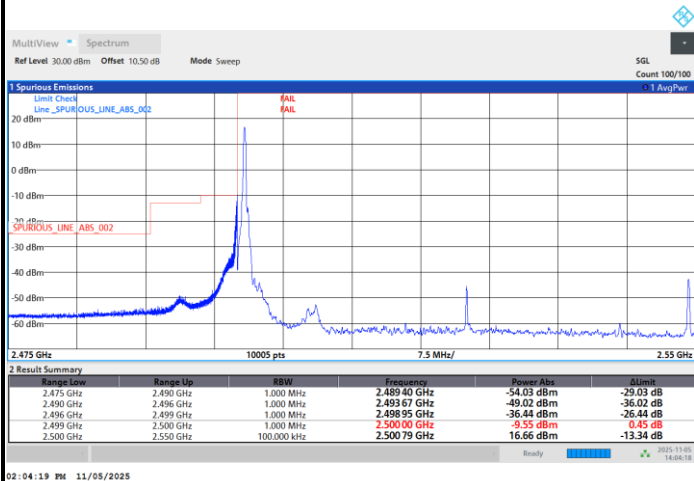


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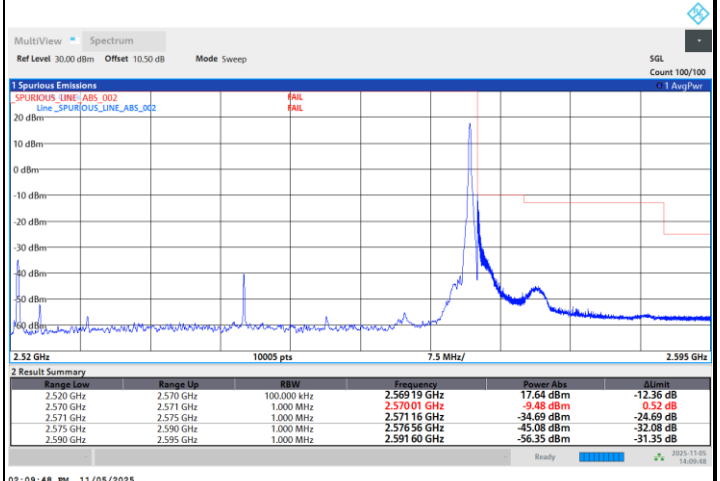


FR1 n7 / 50MHz / CP OFDM / 64QAM

Lowest Band Edge / 1RB0

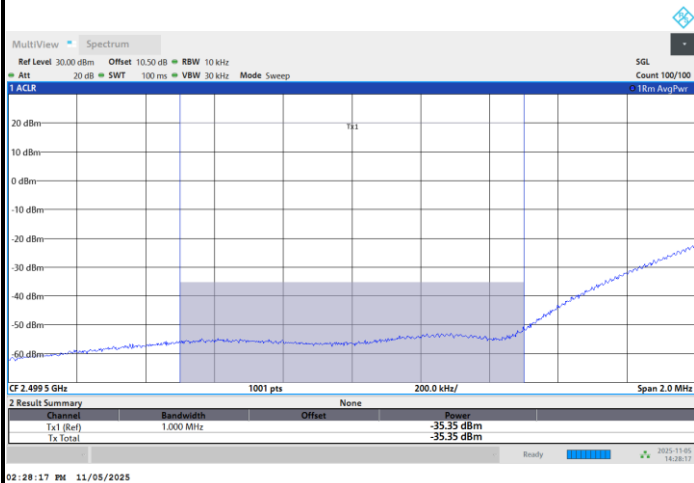


Highest Band Edge / 1RBmax



Lowest Channel 1RB0

Channel power -10dBm > -35.35dBm (PASS)



Lowest Channel 1RBmax

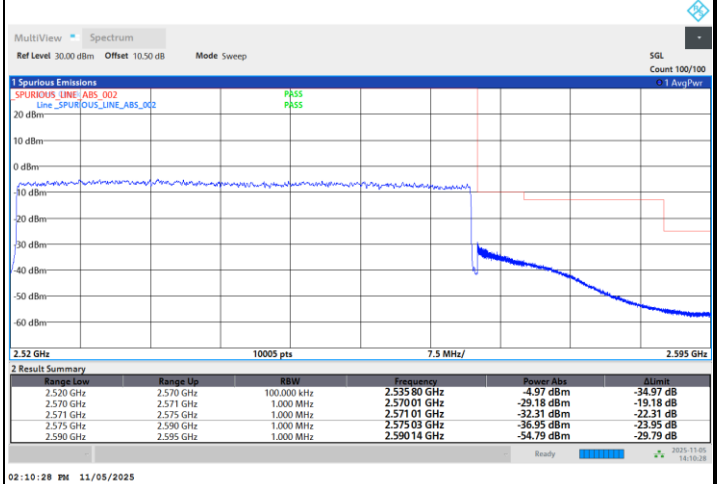
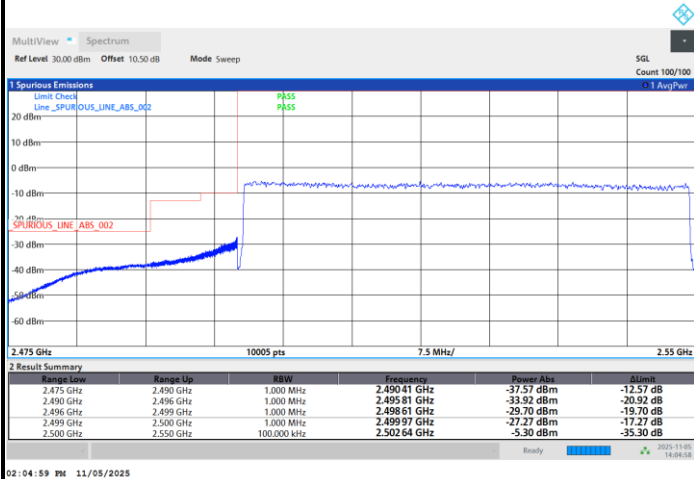
Channel power -10dBm > -34.04dBm (PASS)





Lowest Band Edge / Full RB

Highest Band Edge / Full RB

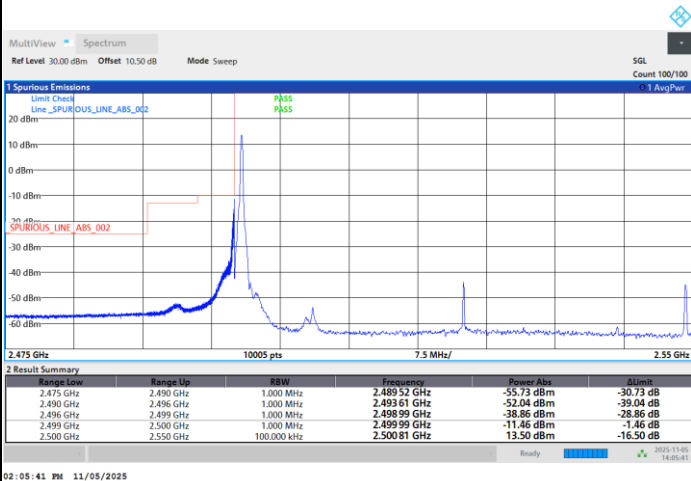




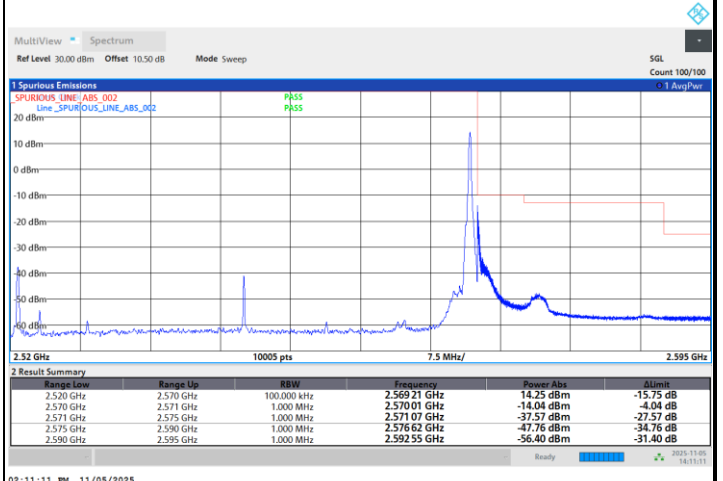
FR1 n7 / 50MHz / CP OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



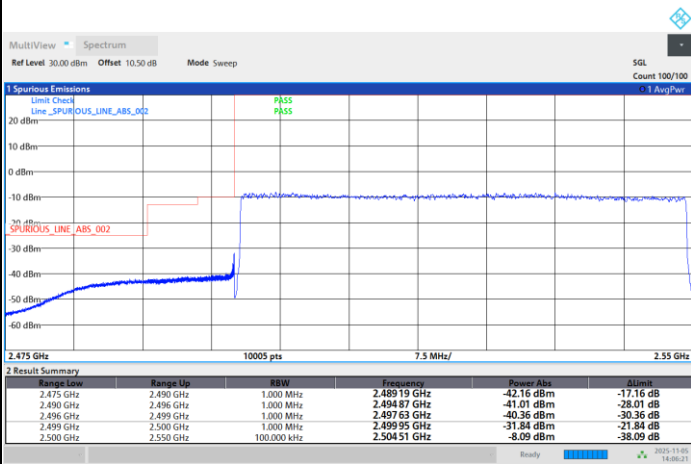
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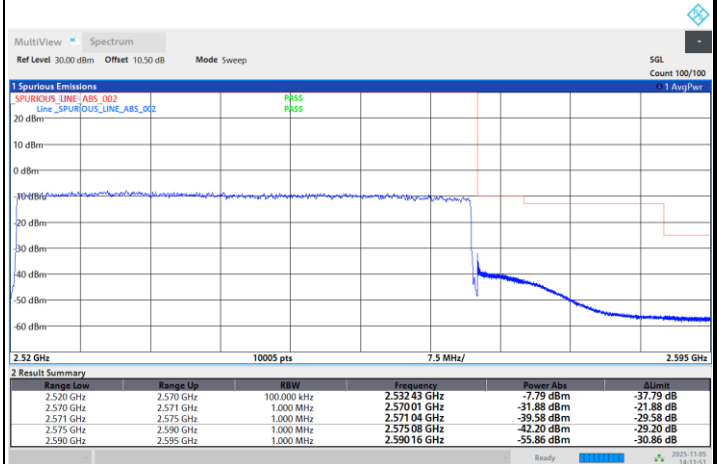
02:11:11 PM 11/05/2025

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



02:06:22 PM 11/05/2025



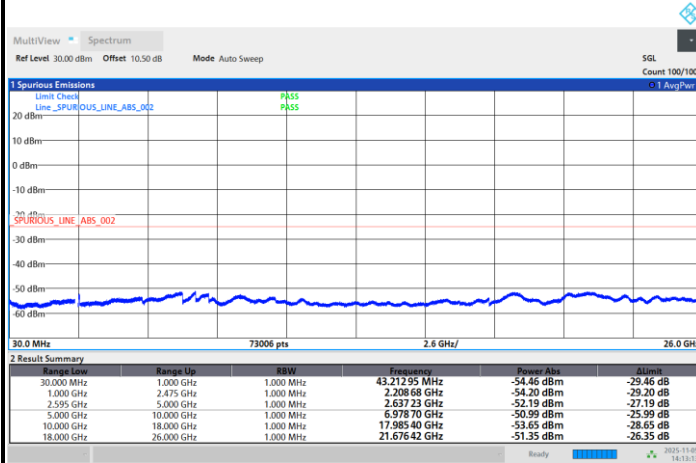
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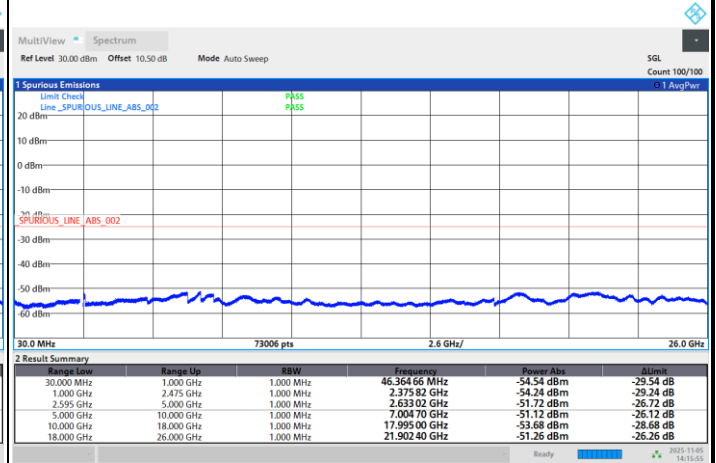
Conducted Spurious Emission

FR1 n7 / 50MHz / CP OFDM / QPSK / 1RB1

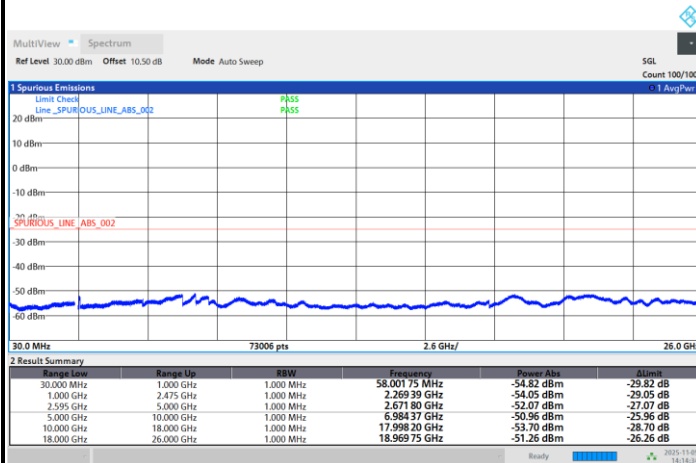
Lowest Channel



Middle Channel



Highest Channel



Frequency Stability

Test Conditions		FR1 n7 (QPSK) / Middle Channel 50M			
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Frequency Offset (Δf) (Hz)	Within Authorized Frequency Block(Hz)	Result
50	Normal Voltage	0.0028	-7.1	Yes	PASS
40	Normal Voltage	0.0009	-2.4	Yes	
30	Normal Voltage	0.0045	-11.5	Yes	
20(Ref.)	Normal Voltage	0.0000	0	Yes	
10	Normal Voltage	0.0053	-13.5	Yes	
0	Normal Voltage	0.0000	-0.1	Yes	
-10	Normal Voltage	0.0036	-9	Yes	
-20	Normal Voltage	0.0023	5.8	Yes	
-30	Normal Voltage	0.0001	0.3	Yes	
20	Maximum Voltage	0.0029	-7.3	Yes	
20	Normal Voltage	0.0004	1.1	Yes	
20	Minimum Voltage	0.0006	-1.5	Yes	

Note:

1. Normal Voltage = 3.3 V. ; Minimum Voltage = 3.135 V. ; Maximum Voltage = 4.4 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.

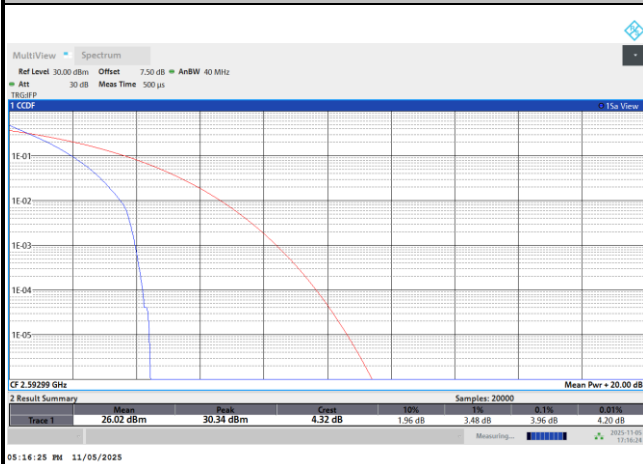
**FR1 n41****<SISO Mode>****Peak-to-Average Ratio**

Mode	FR1 n41 / 35MHz / 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	3.96	4.50	5.52	6.02	PASS
Mode	FR1 n41 / 35MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.54				PASS

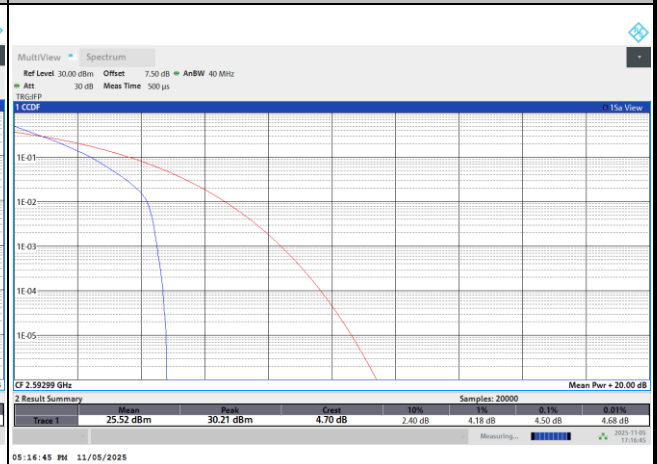


FR1 n41 / 35MHz / DFT-S OFDM / Middle Channel / Full RB

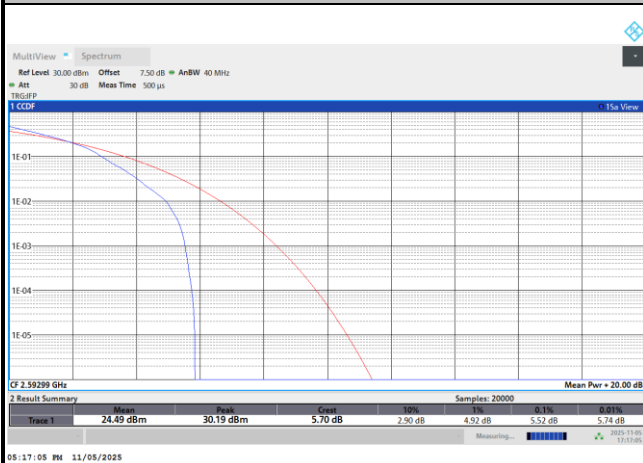
PI/2 BPSK



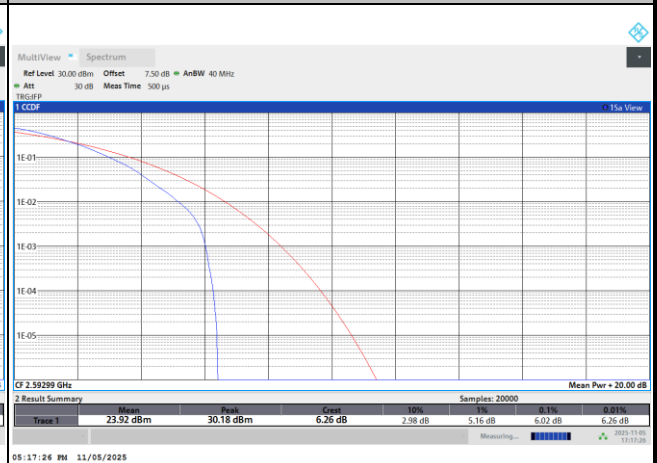
QPSK



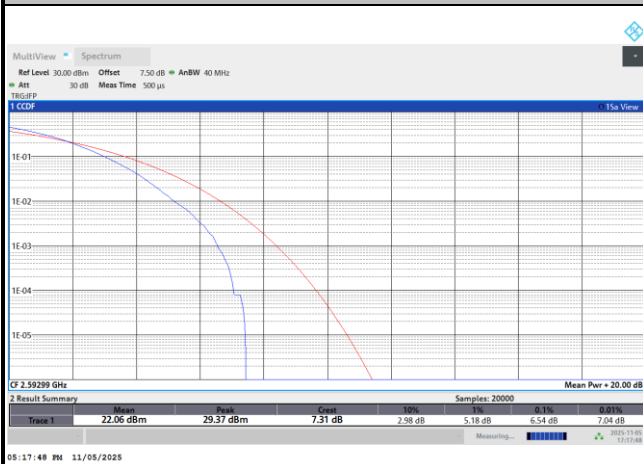
16QAM



64QAM



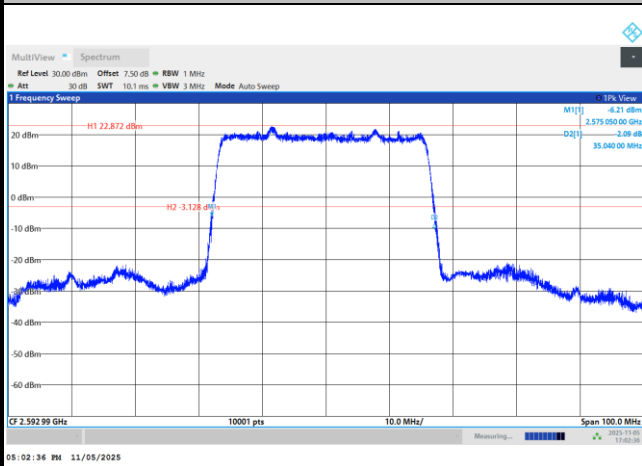
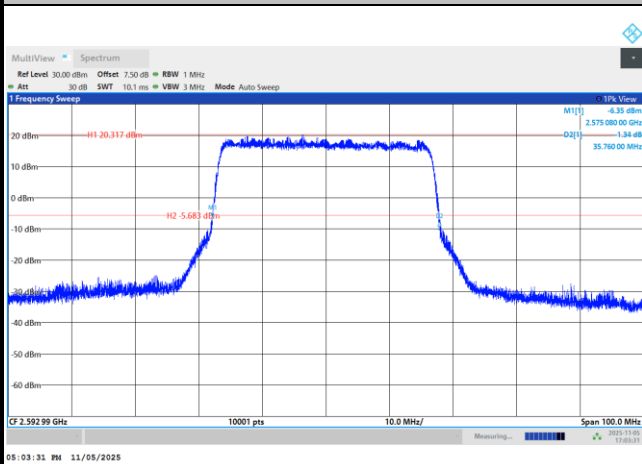
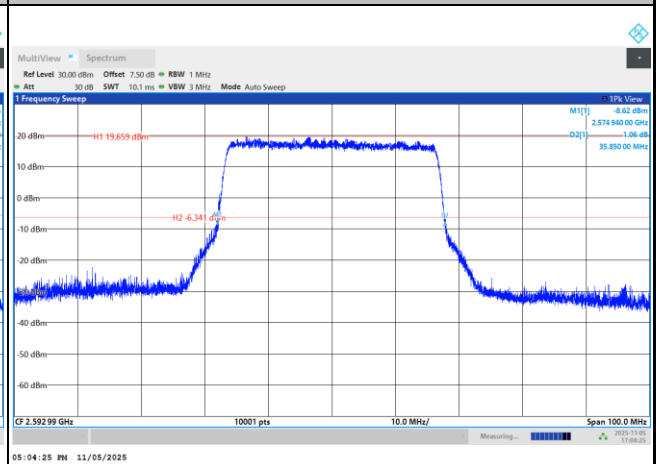
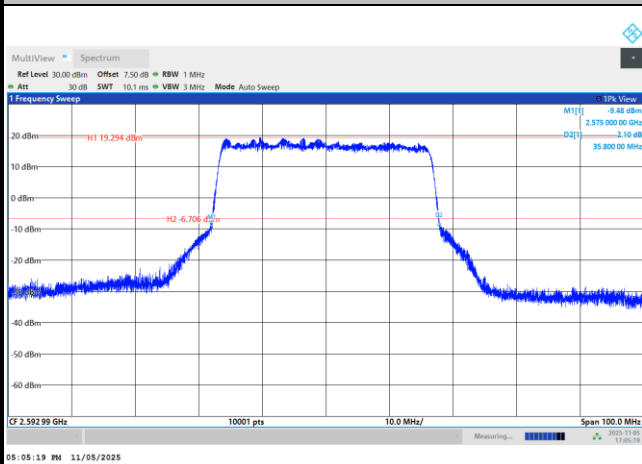
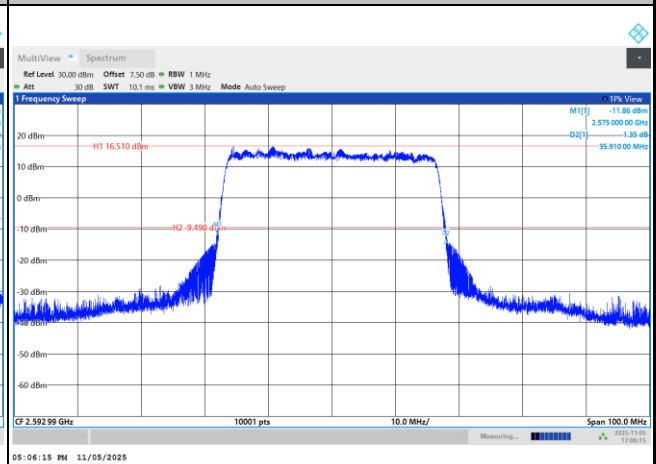
256QAM

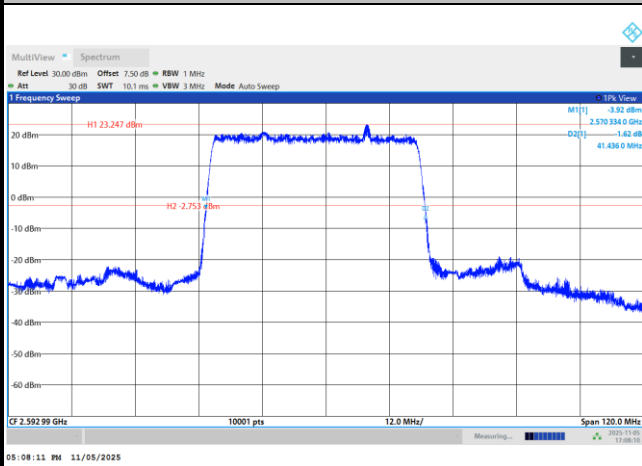
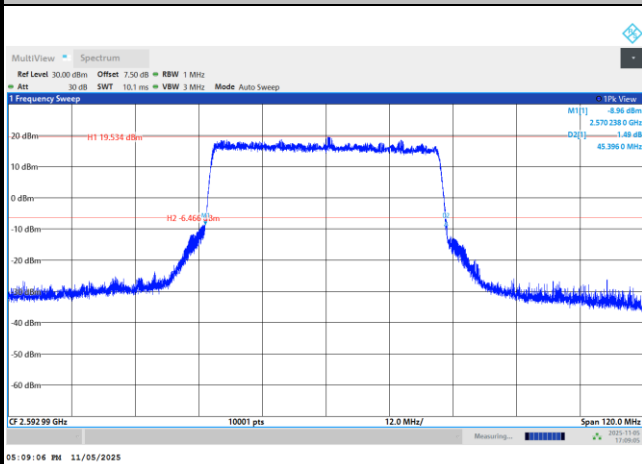
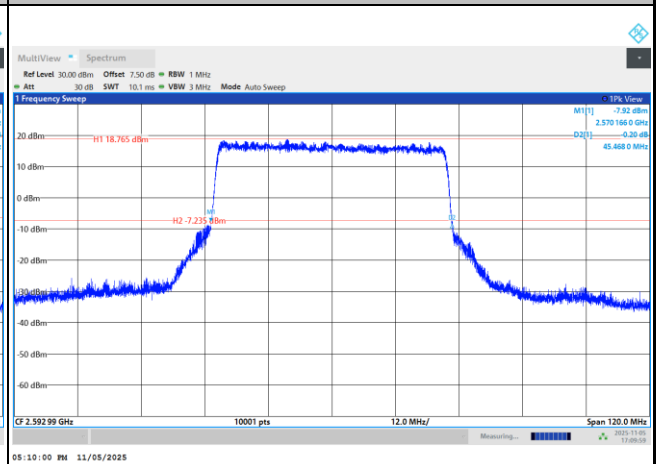
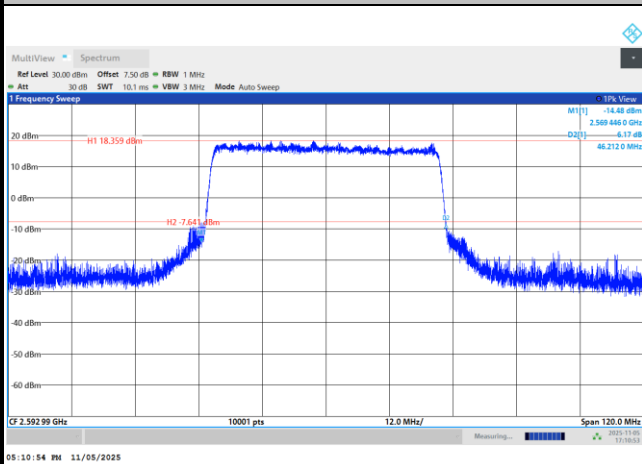
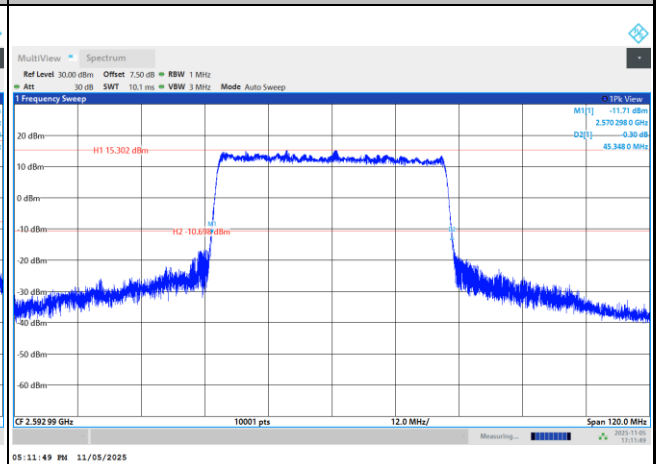


**26dB Bandwidth**

Mode	FR1 n41 : 26dB BW(MHz) / DFT-S OFDM							
BW	10MHz	15MHz	20MHz	25MHz	30MHz	35MHz	40MHz	45MHz
Mod.	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK
Middle CH	-	-	-	-	-	35.04	-	41.43

Mode	FR1 n41 : 26dB BW(MHz) / CP OFDM							
BW	30MHz		35MHz		40MHz		45MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	35.76	35.85	-	-	45.39	45.46
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	35.80	35.91	-	-	46.21	45.34

FR1 n41 / 35MHz / DFT-S OFDM / Middle Channel / Full RB
PI/2 BPSK

FR1 n41 / 35MHz / CP OFDM / Middle Channel / Full RB
QPSK

16QAM

64QAM

256QAM


FR1 n41 / 45MHz / DFT-S OFDM / Middle Channel / Full RB
PI/2 BPSK

FR1 n41 / 45MHz / CP OFDM / Middle Channel / Full RB
QPSK

16QAM

64QAM

256QAM


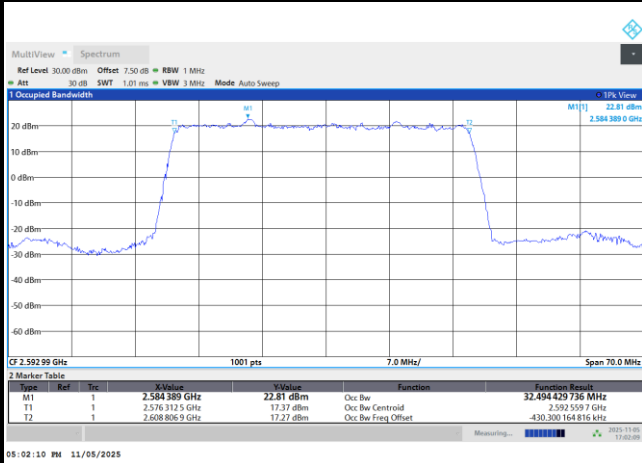
**Occupied Bandwidth**

Mode	FR1 n41 : OB BW(MHz) / DFT-S OFDM							
BW	10MHz	15MHz	20MHz	25MHz	30MHz	35MHz	40MHz	45MHz
Mod.	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK
Middle CH	-	-	-	-	-	32.49	-	38.74

Mode	FR1 n41 : OB BW(MHz) / CP OFDM							
BW	30MHz		35MHz		40MHz		45MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	33.13	33.12	-	-	42.74	42.91
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	33.10	33.06	-	-	42.65	42.72

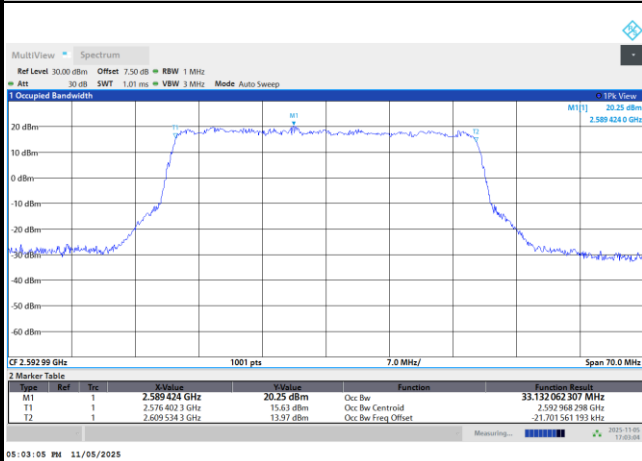
FR1 n41 / 35MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

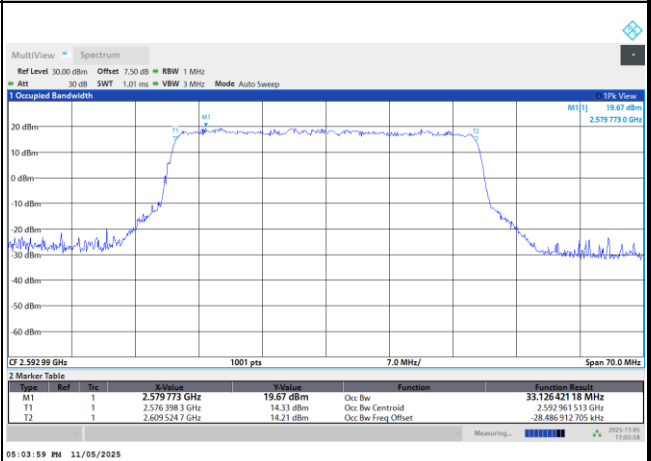


FR1 n41 / 35MHz / CP OFDM / Middle Channel / Full RB

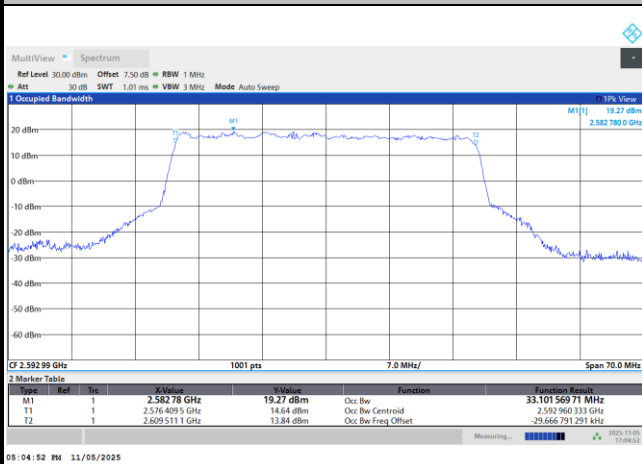
QPSK



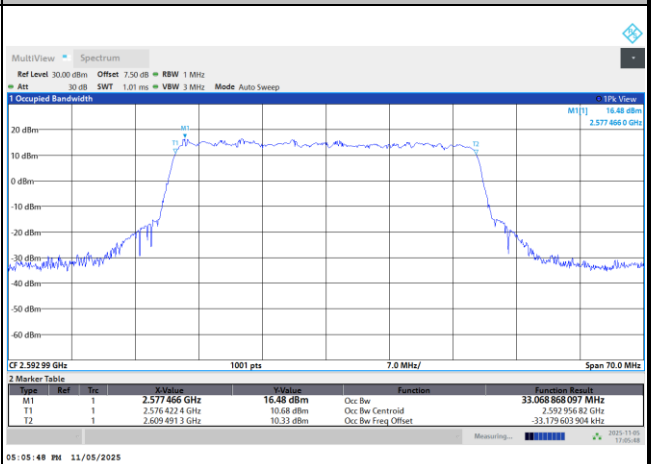
16QAM



64QAM



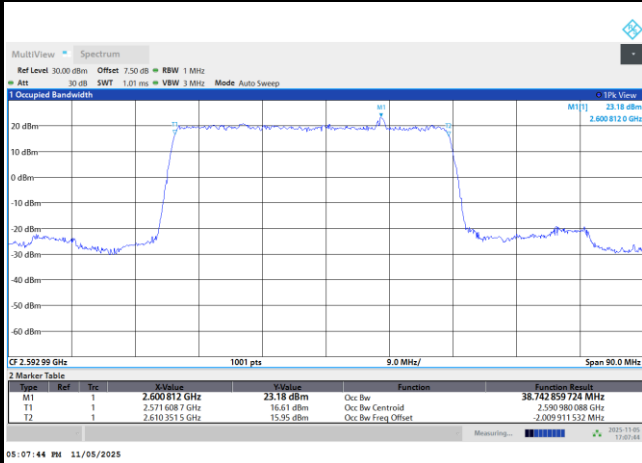
256QAM





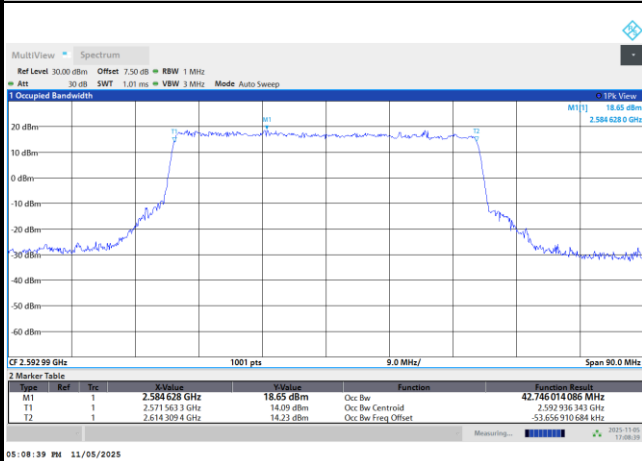
FR1 n41 / 45MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

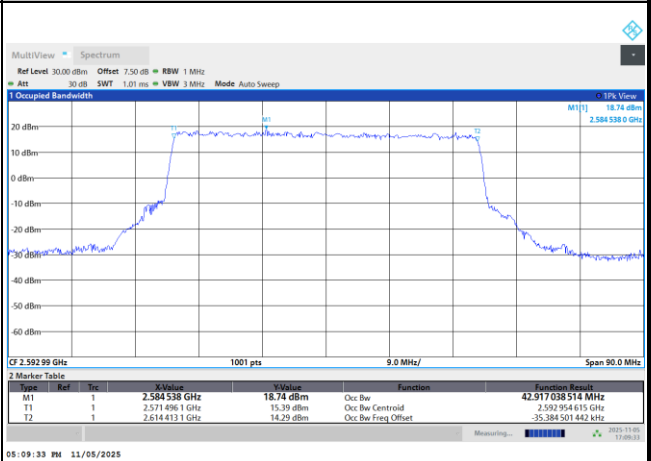


FR1 n41 / 45MHz / CP OFDM / Middle Channel / Full RB

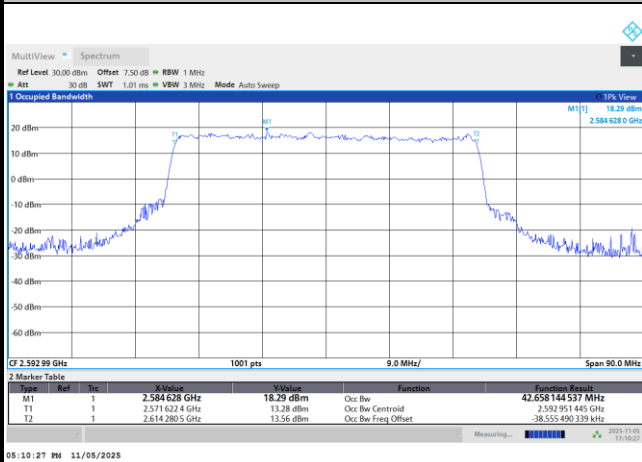
QPSK



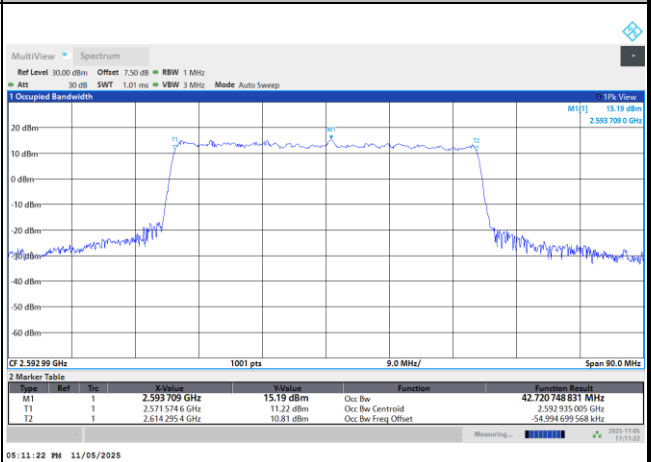
16QAM



64QAM



256QAM



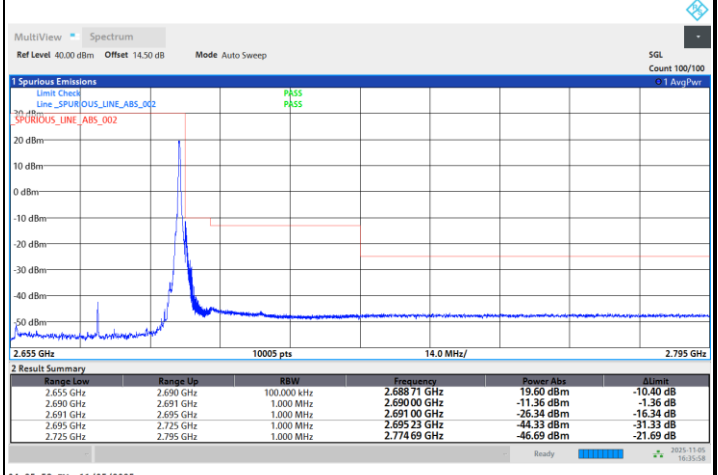
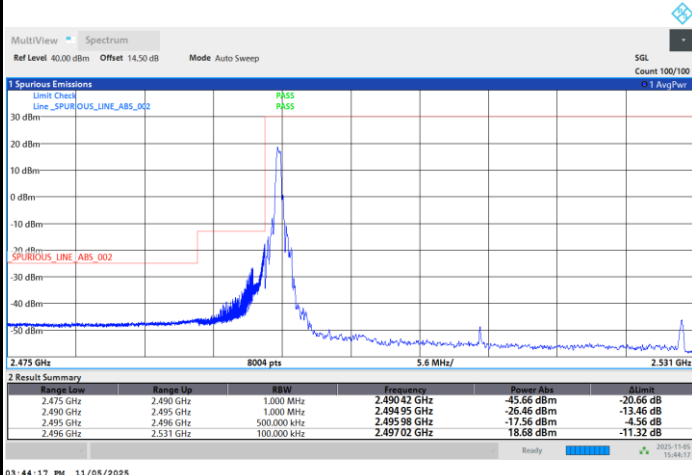


Conducted Band Edge

FR1 n41 / 35MHz / DFT-S OFDM / PI/2 BPSK

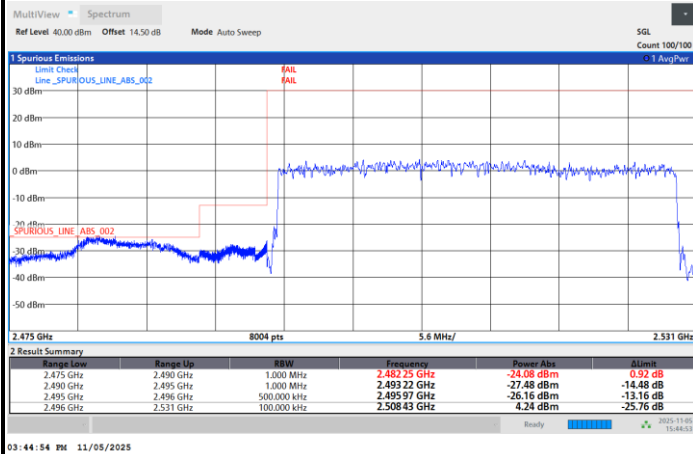
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



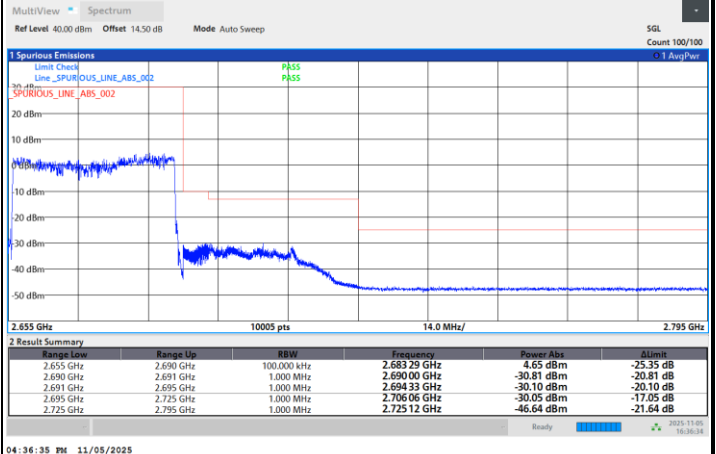


Lowest Band Edge / Full RB



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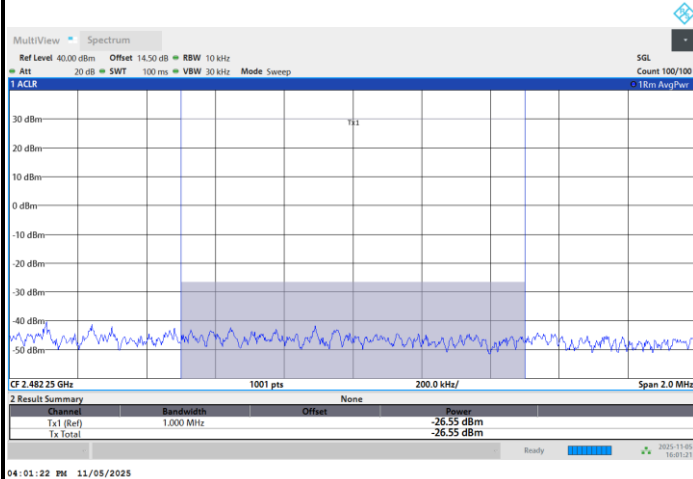
Highest Band Edge / Full RB



04:36:35 PM 11/05/2025

Lowest Channel Full RB
Channel power -25dBm > -26.55dBm (PASS)

NA



04:01:22 PM 11/05/2025

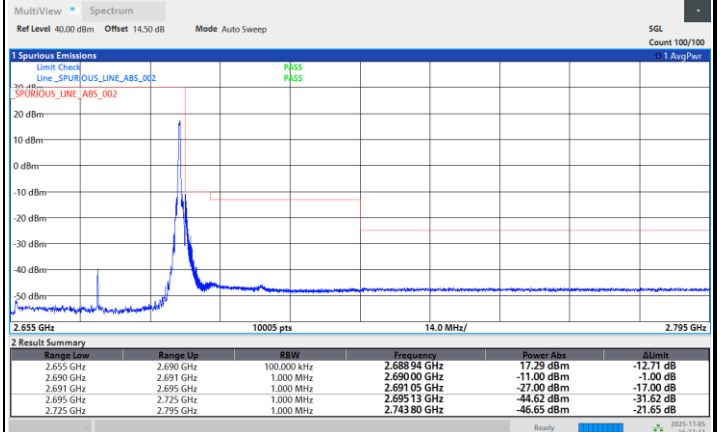
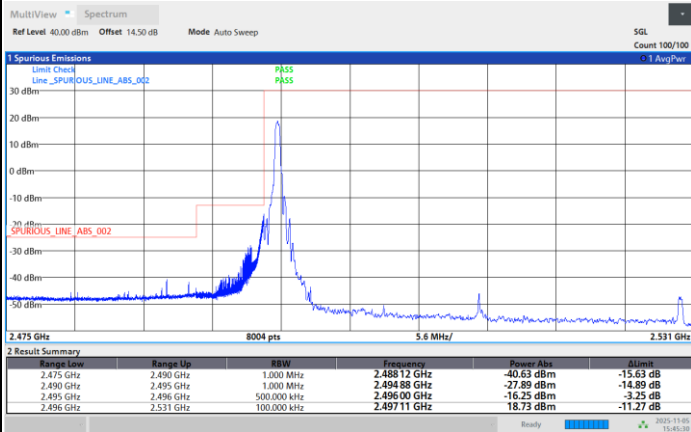
NA



FR1 n41 / 35MHz / DFT-S OFDM / QPSK

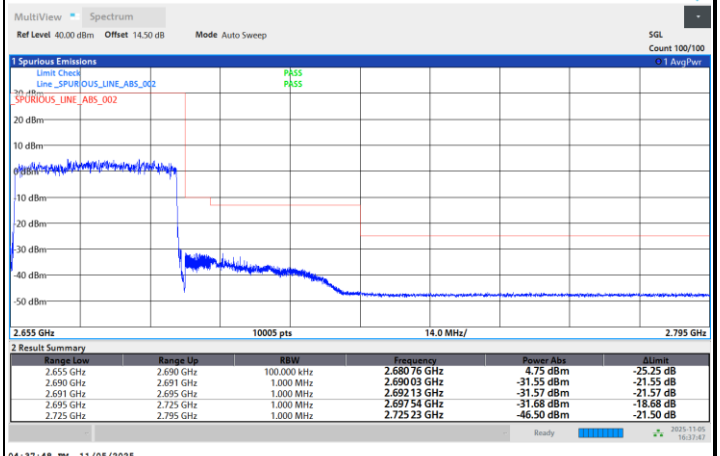
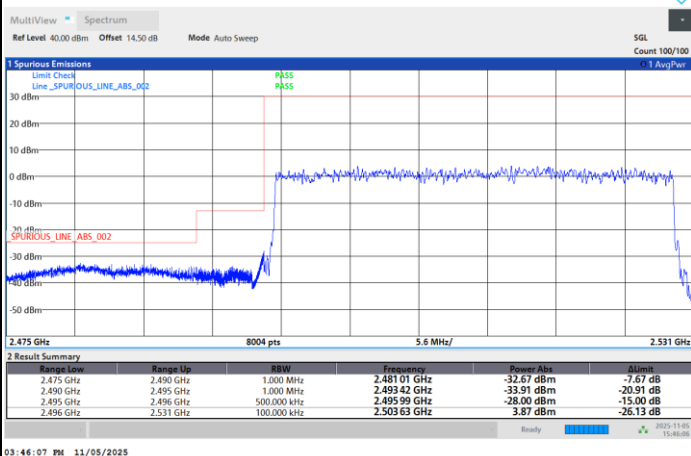
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

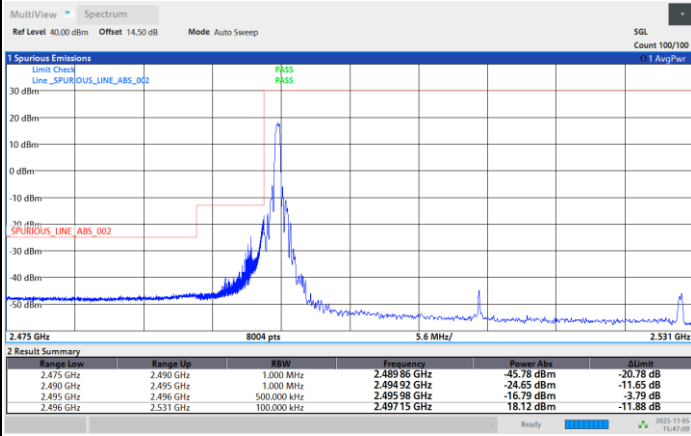




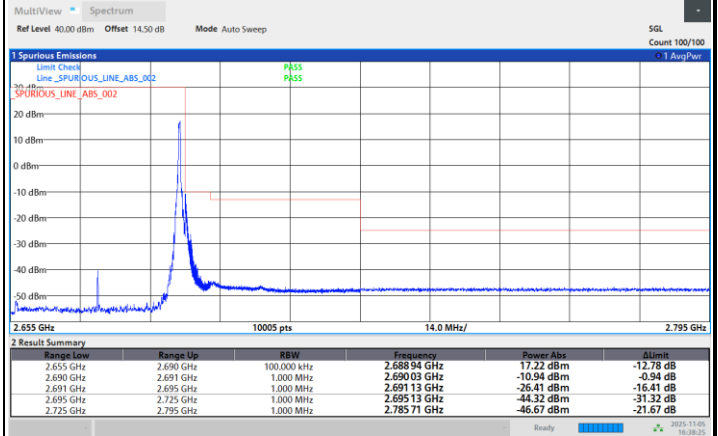
FR1 n41 / 35MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



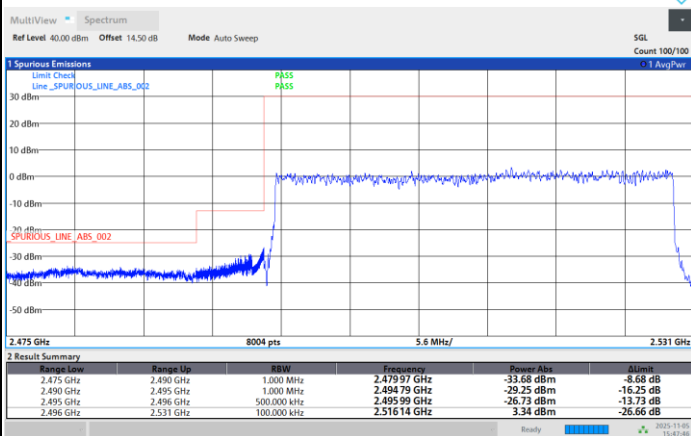
03:47:10 PM 11/05/2025



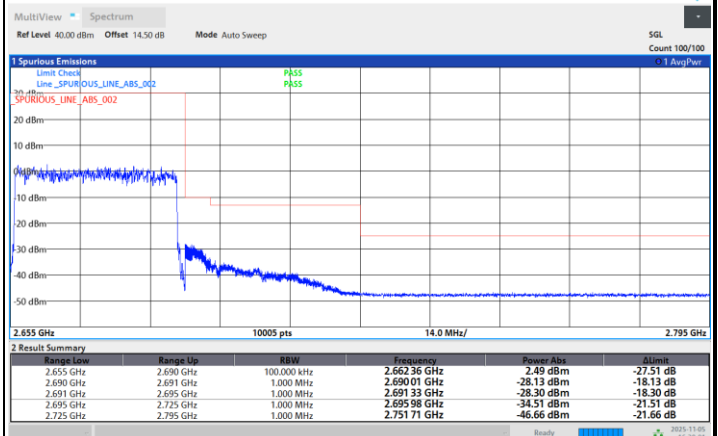
04:38:25 PM 11/05/2025

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



03:47:47 PM 11/05/2025



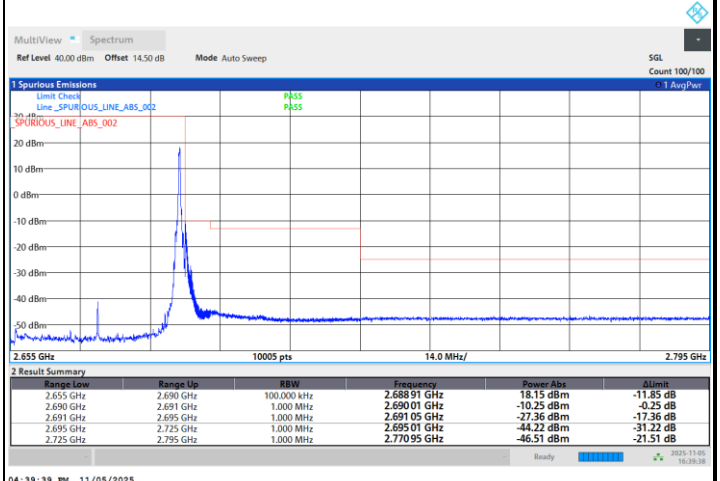
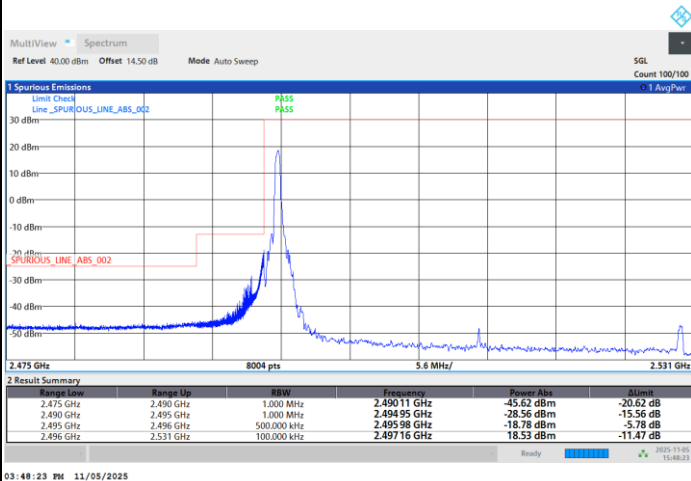
04:39:02 PM 11/05/2025



FR1 n35 / 35MHz / DFT-S OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

