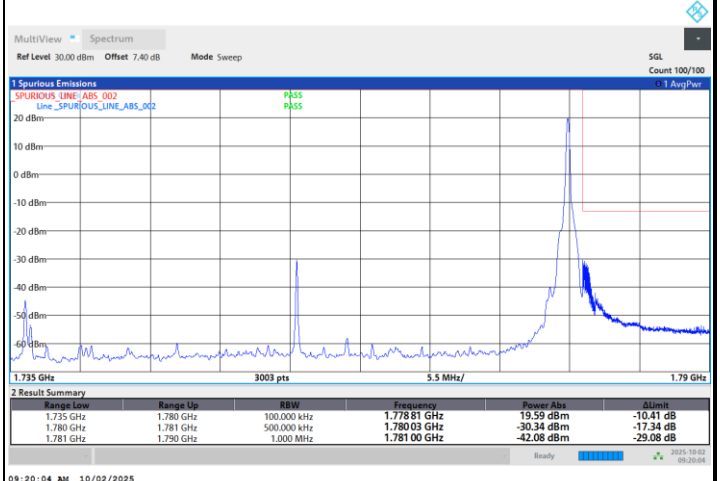
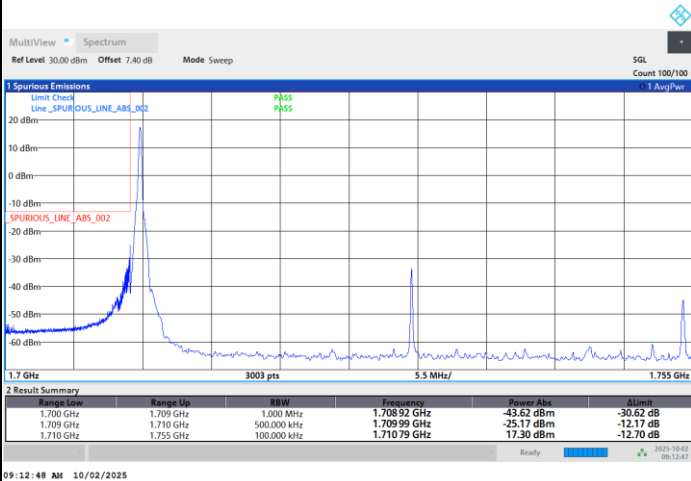




FR1 n66 / 45MHz / DFT-S OFDM / 16QAM

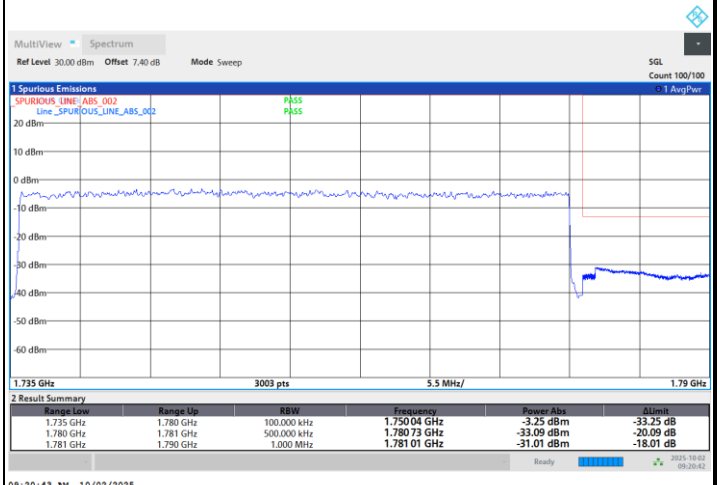
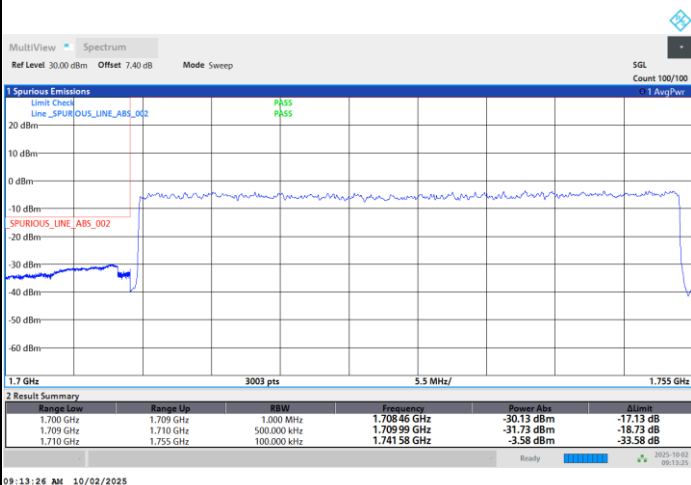
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

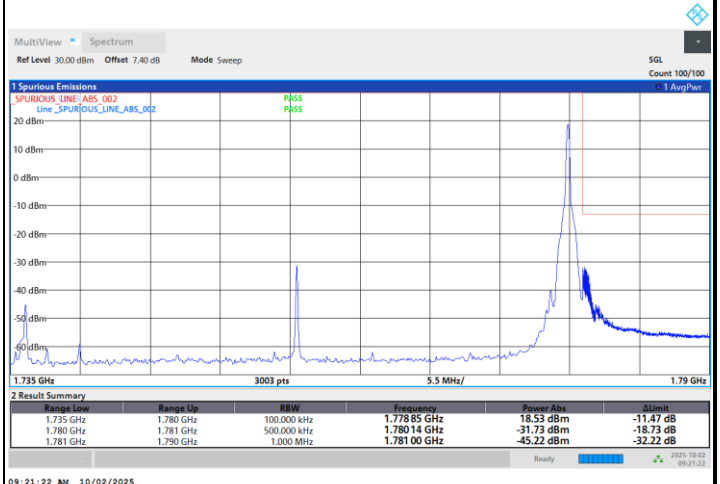
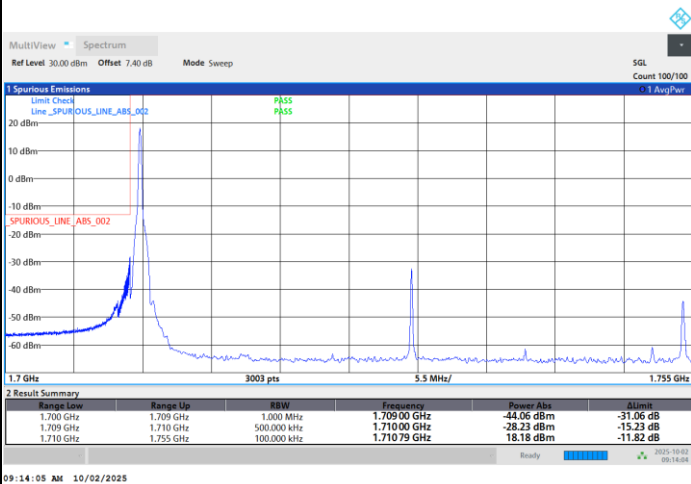




FR1 n66 / 45MHz / DFT-S OFDM / 64QAM

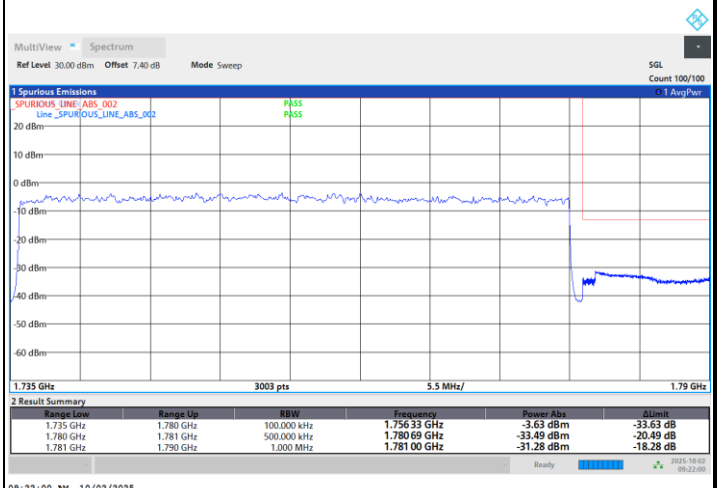
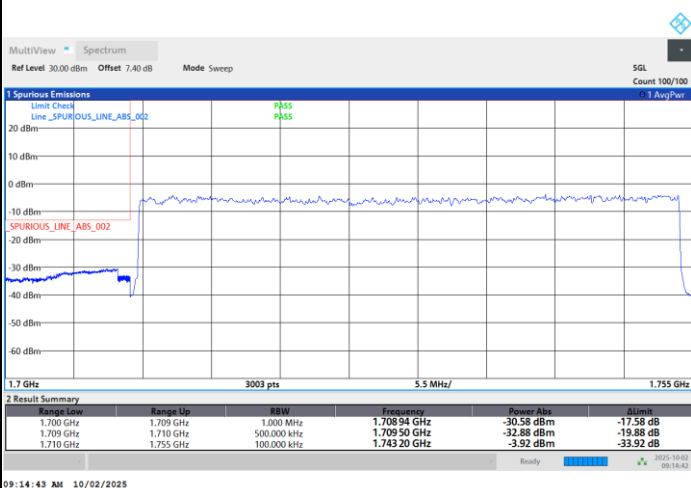
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

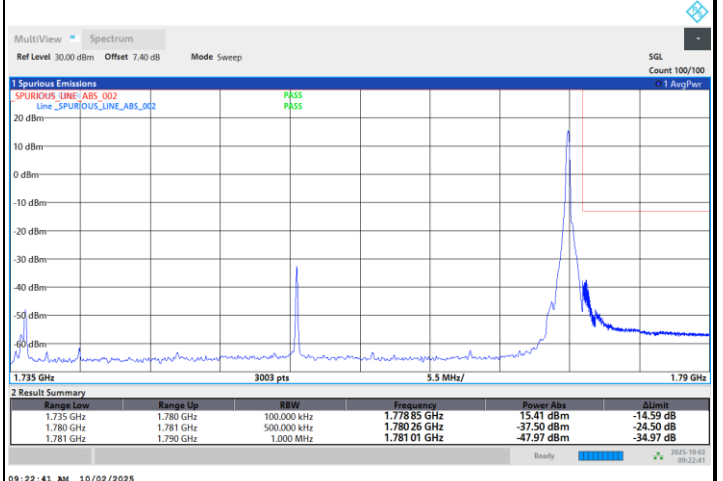
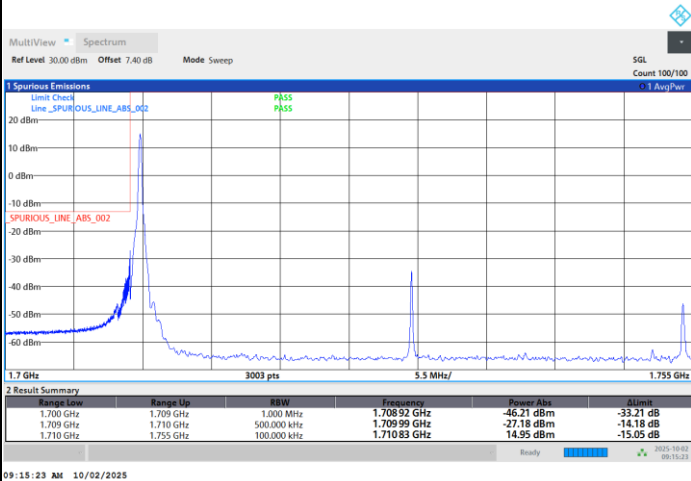




FR1 n66 / 45MHz / DFT-S OFDM / 256QAM

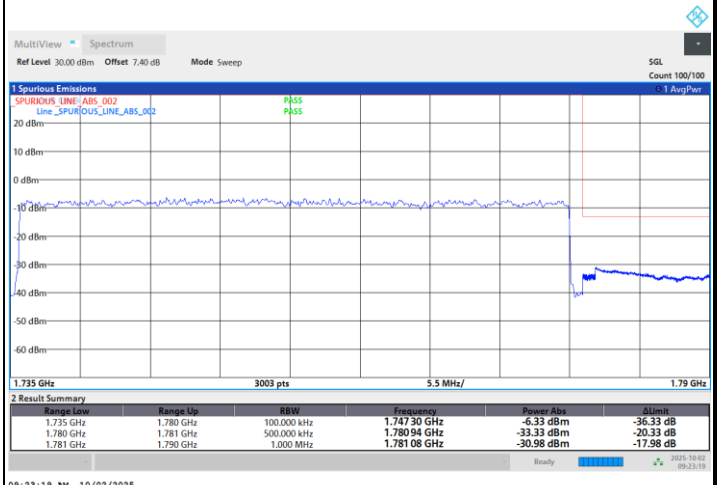
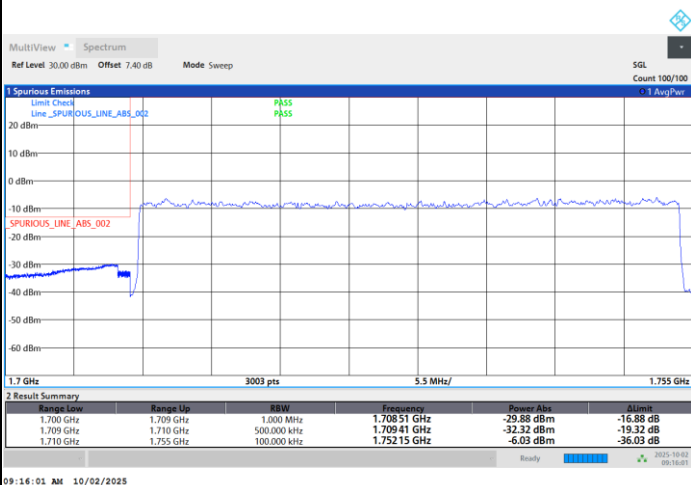
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

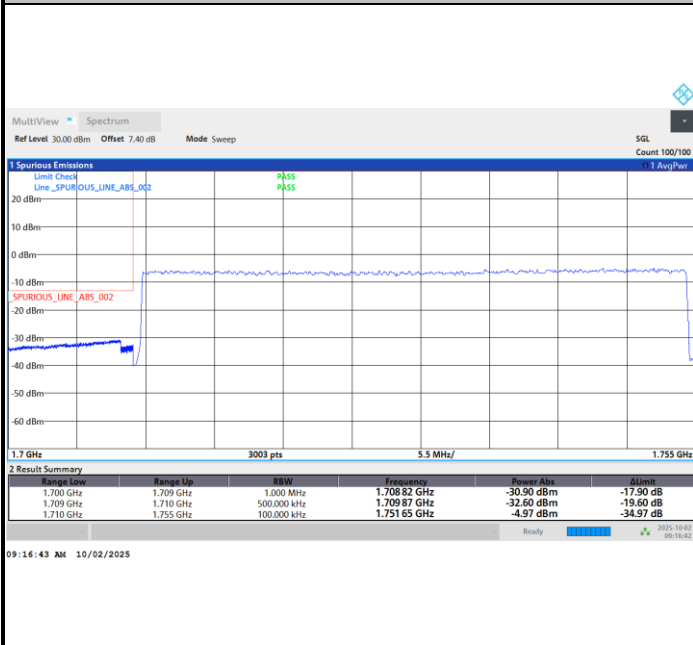
Highest Band Edge / Full RB



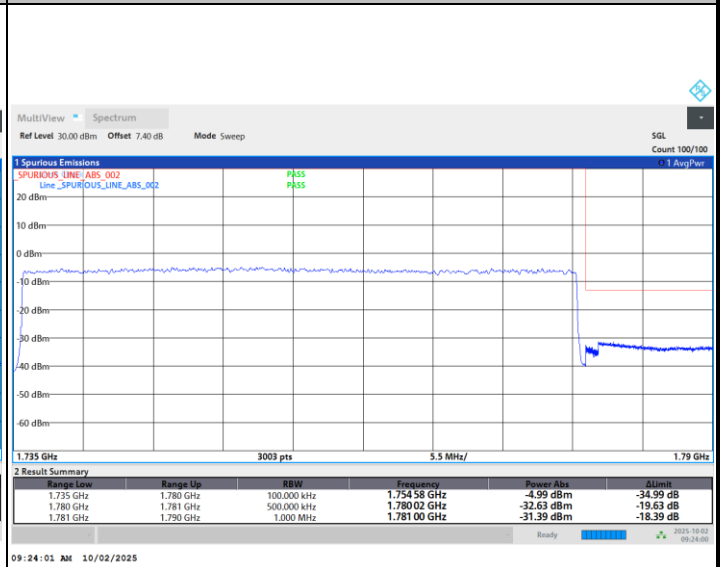


FR1 n66 / 45MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge



Highest Band Edge

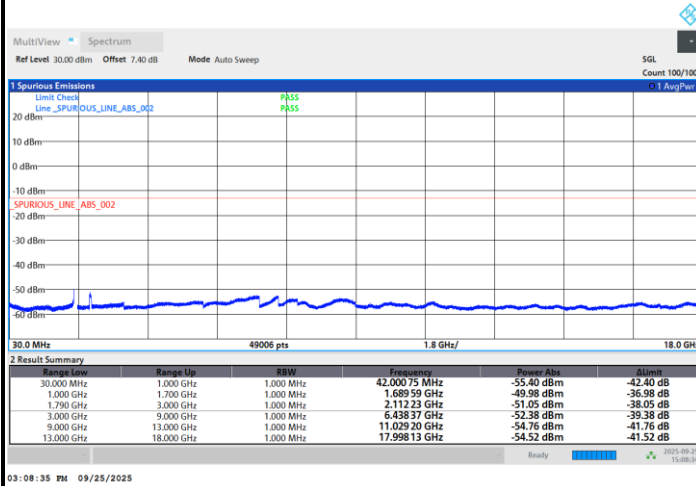




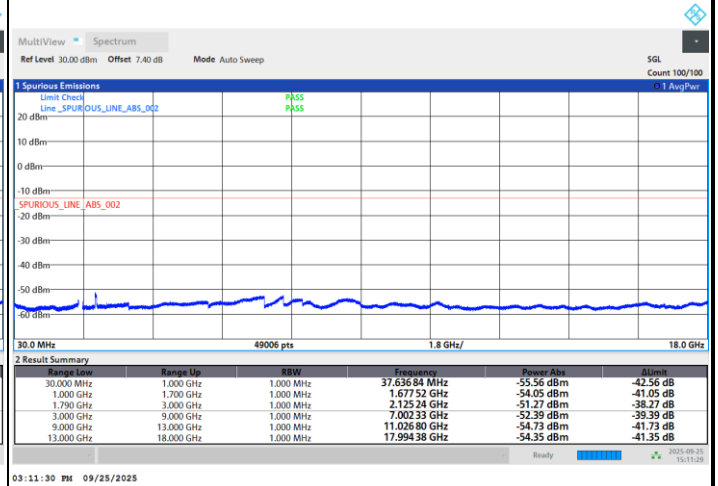
Conducted Spurious Emission

FR1 n66 / 45MHz / DFT-S OFDM / QPSK / 1RB1

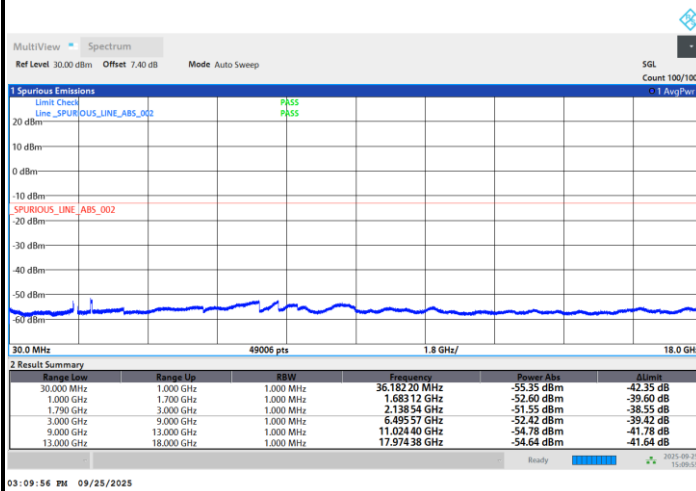
Lowest Channel



Middle Channel



Highest Channel



**Frequency Stability**

Test Conditions		FR1 n66 (BPSK) / Middle Channel 45M			
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Frequency Offset (Δf) (Hz)	Within Authorized Frequency Block(Hz)	Result
50	Normal Voltage	0.0053	9.2	Yes	PASS
40	Normal Voltage	0.0046	8	Yes	
30	Normal Voltage	0.0033	5.8	Yes	
20(Ref.)	Normal Voltage	0.0000	0	Yes	
10	Normal Voltage	0.0092	16	Yes	
0	Normal Voltage	0.0092	16	Yes	
-10	Normal Voltage	0.0080	14	Yes	
-20	Normal Voltage	0.0031	5.4	Yes	
-30	Normal Voltage	0.0038	6.7	Yes	
20	Maximum Voltage	0.0052	9.1	Yes	
20	Normal Voltage	0.0076	13.3	Yes	
20	Minimum Voltage	0.0048	8.4	Yes	

Note:

1. Normal Voltage = 3.8 V. ; Minimum Voltage = 3.4 V. ; Maximum Voltage = 4.2 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.

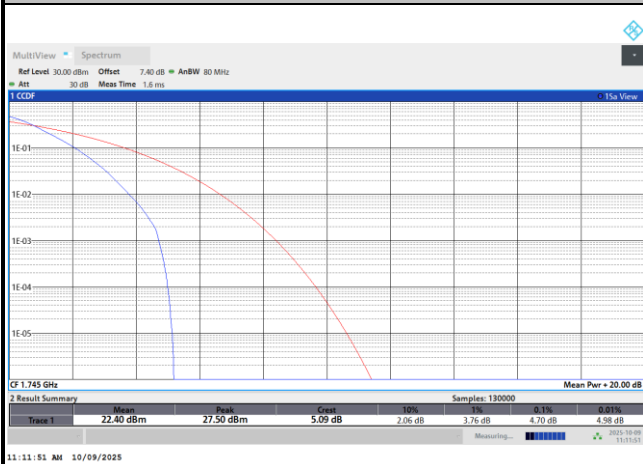
**FR1 n66****MIMO <Ant. 2+0> (Ant. 2)****Peak-to-Average Ratio**

Mode	FR1 n66 / 45MHz / 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	4.70	5.88	6.38	6.76	PASS
Mode	FR1 n66 / 45MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	7.10				PASS

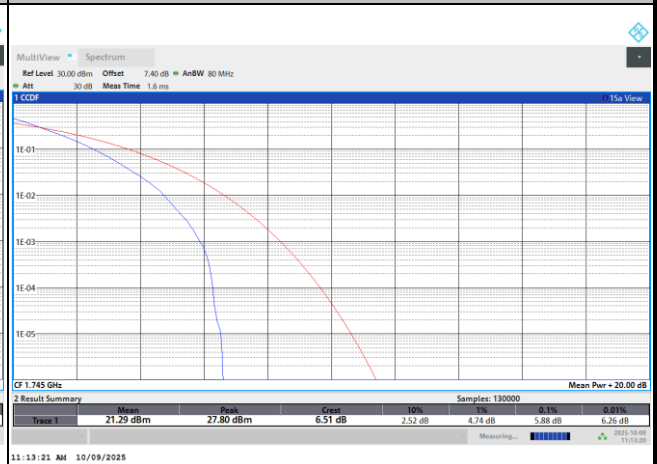


FR1 n66 / 45MHz / DFT-S OFDM / Middle Channel / Full RB

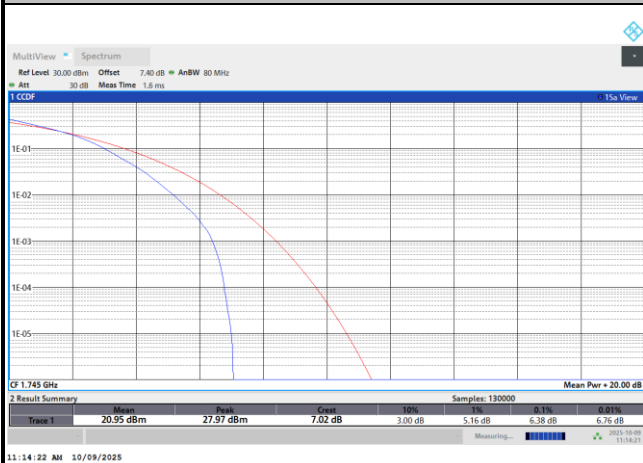
PI/2 BPSK



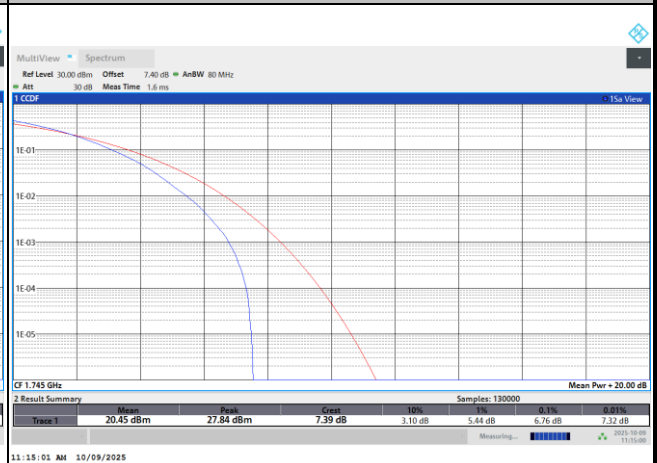
QPSK



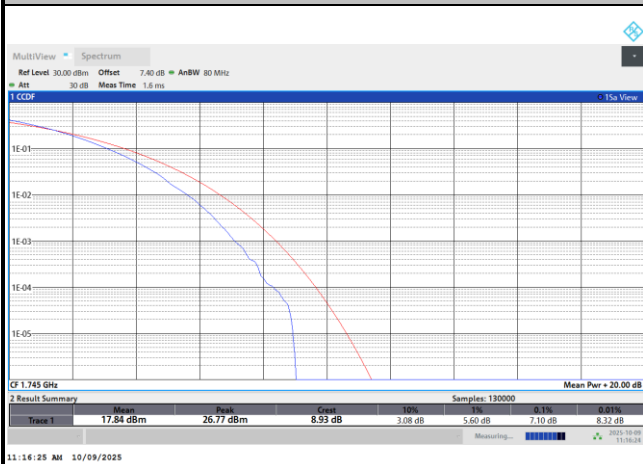
16QAM



64QAM



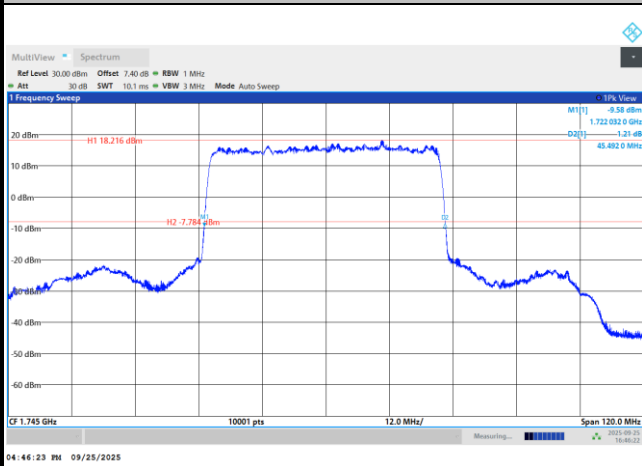
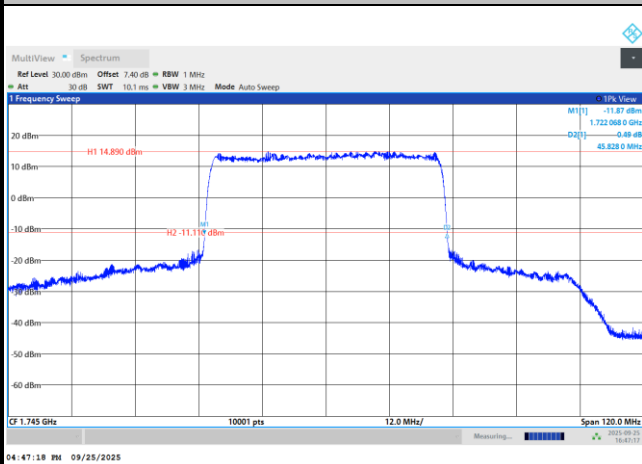
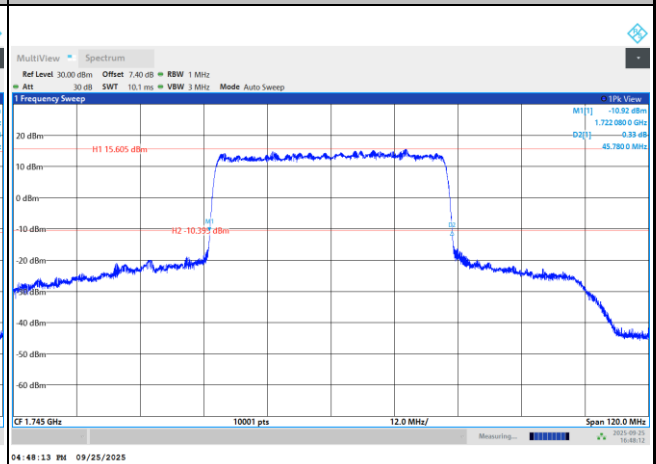
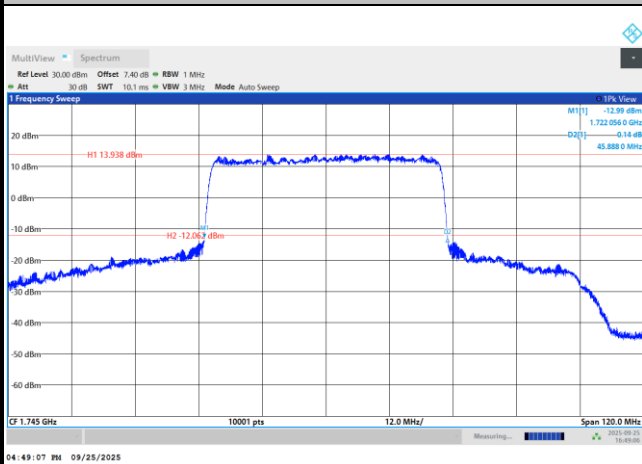
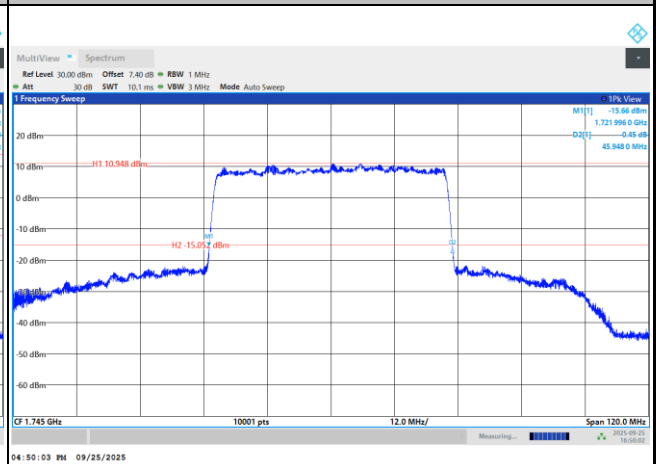
256QAM



**26dB Bandwidth**

Mode	FR1 n66 : 26dB BW(MHz) / DFT-S OFDM							
BW	45MHz							
Mod.	PI/2 BPSK							
Middle CH	45.49							

Mode	FR1 n66 : 26dB BW(MHz) / CP OFDM							
BW	45MHz							
Mod.	QPSK	16QAM						
Middle CH	45.82	45.78						
Mod.	64QAM	256QAM						
Middle CH	45.88	45.94						

FR1 n66 / 45MHz / DFT-S OFDM / Middle Channel / Full RB
PI/2 BPSK

FR1 n66 / 45MHz / CP OFDM / Middle Channel / Full RB
QPSK

16QAM

64QAM

256QAM


**Occupied Bandwidth**

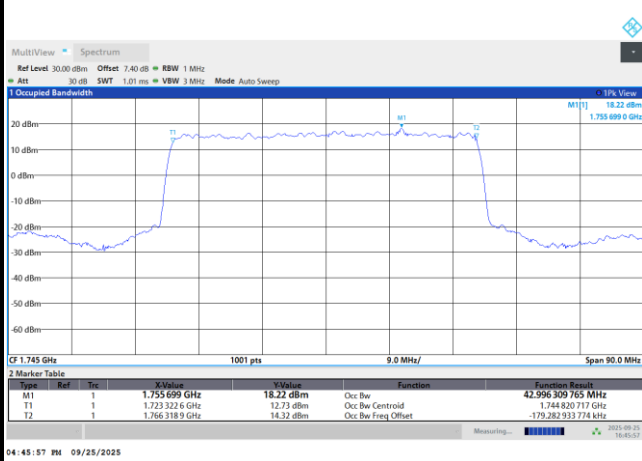
Mode	FR1 n66 : OB BW(MHz) / DFT-S OFDM							
BW	45MHz							
Mod.	PI/2 BPSK							
Middle CH	42.99							

Mode	FR1 n66 : OB BW(MHz) / CP OFDM							
BW	45MHz							
Mod.	QPSK	16QAM						
Middle CH	43.25	43.27						
Mod.	64QAM	256QAM						
Middle CH	43.28	43.39						



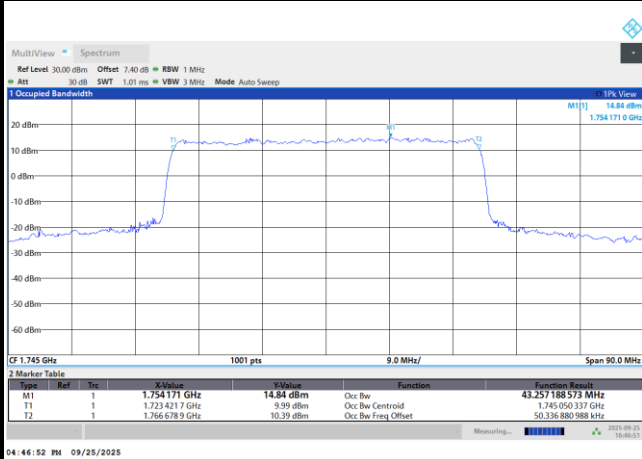
FR1 n66 / 45MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

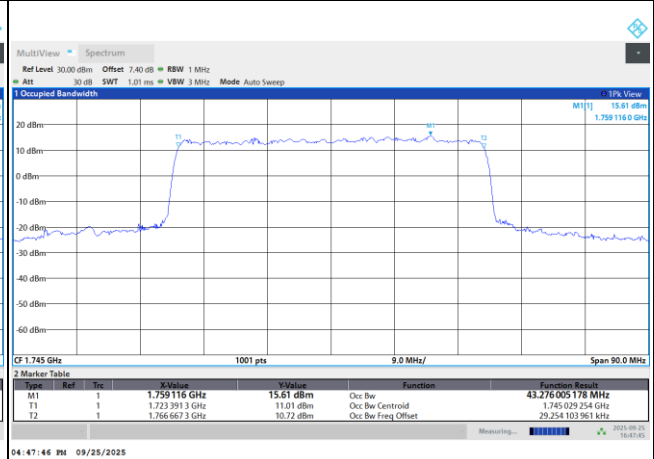


FR1 n66 / 45MHz / CP OFDM / Middle Channel / Full RB

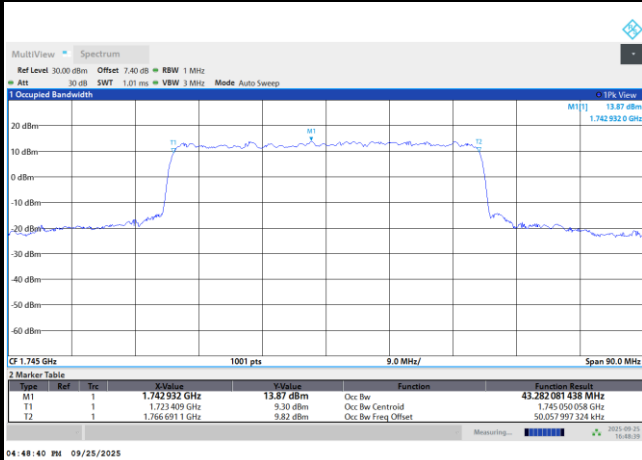
QPSK



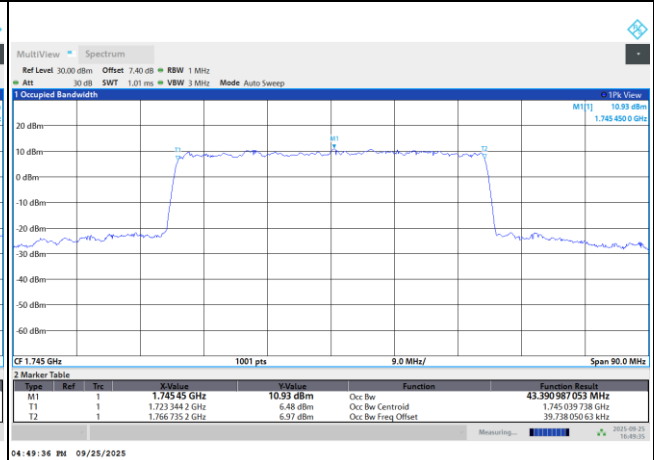
16QAM



64QAM



256QAM



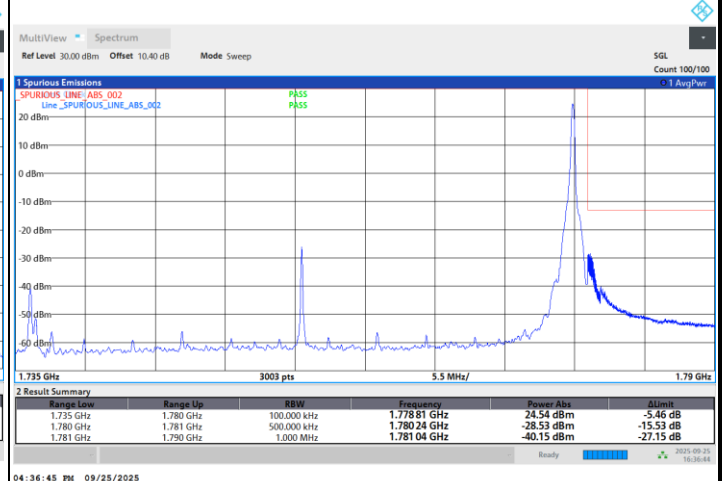
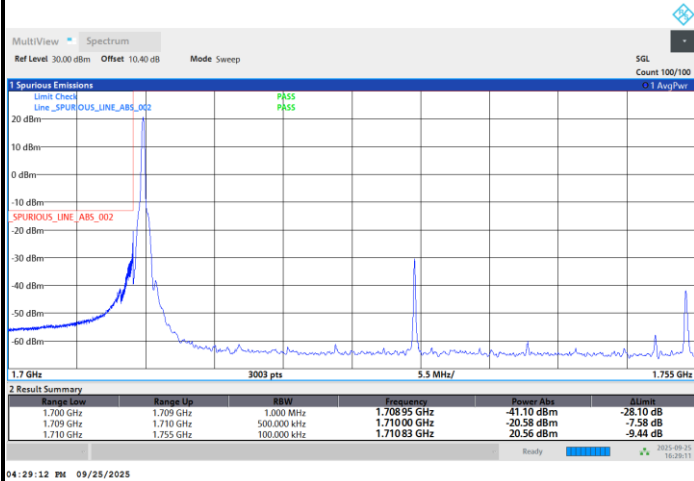


Conducted Band Edge

FR1 n66 / 45MHz / DFT-S OFDM / PI/2 BPSK

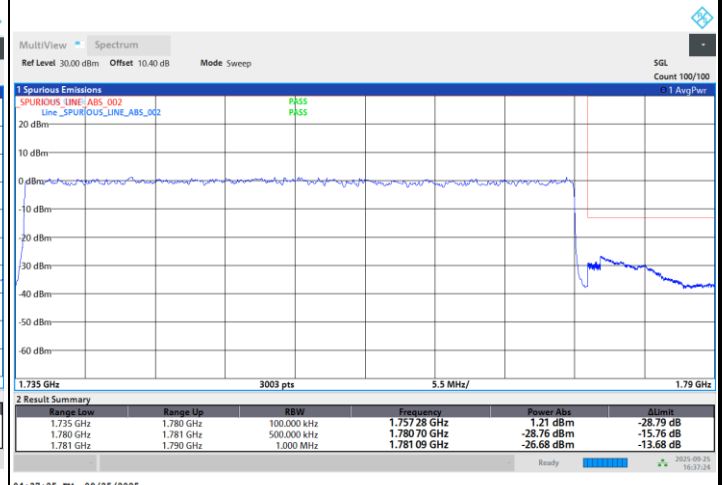
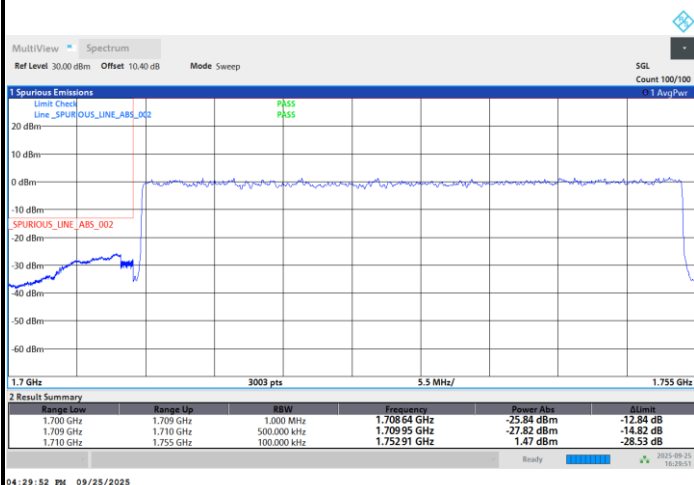
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

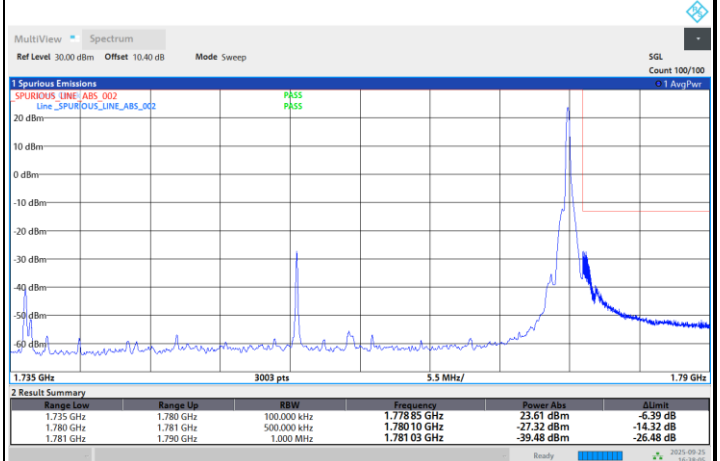
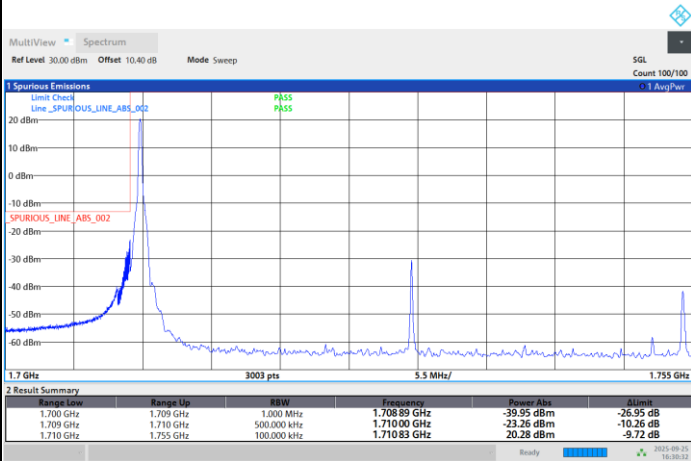




FR1 n66 / 45MHz / DFT-S OFDM / QPSK

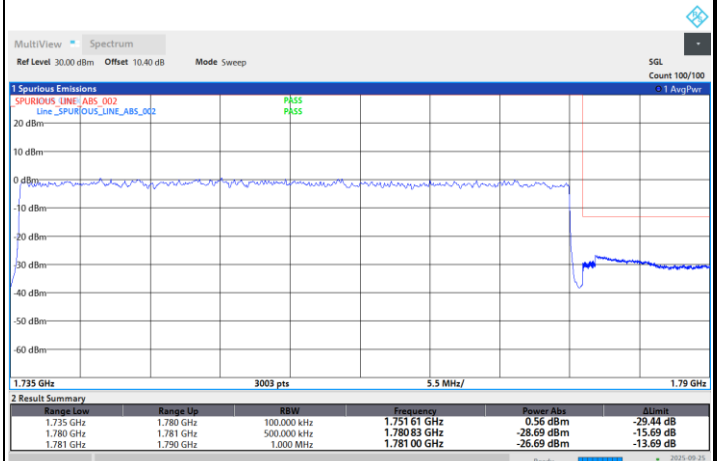
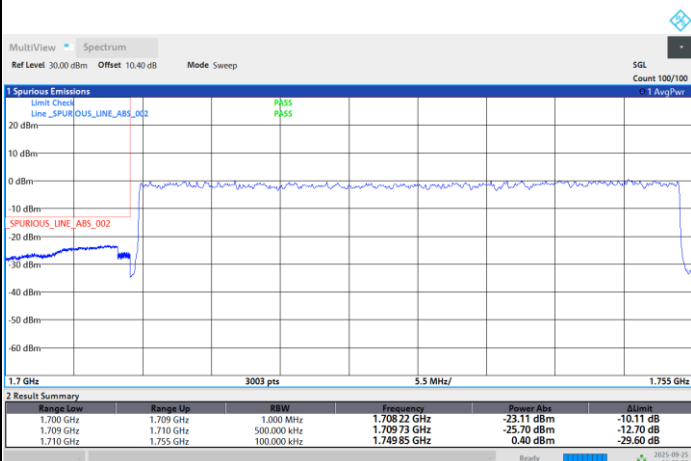
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

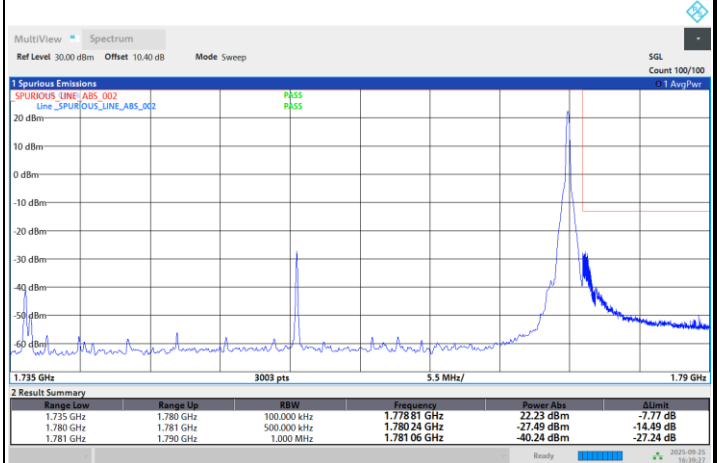
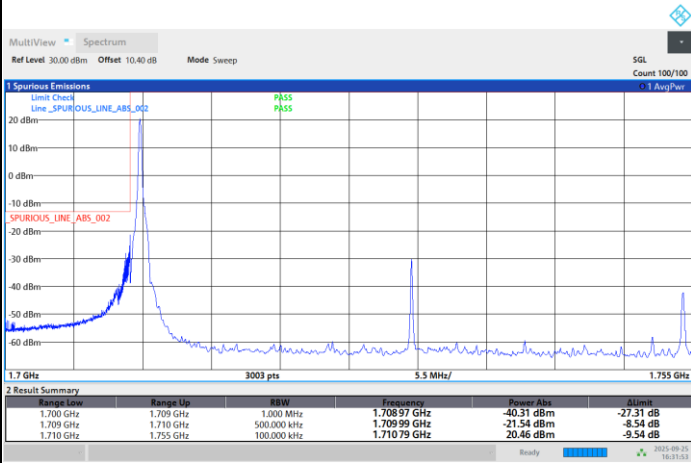




FR1 n66 / 45MHz / DFT-S OFDM / 16QAM

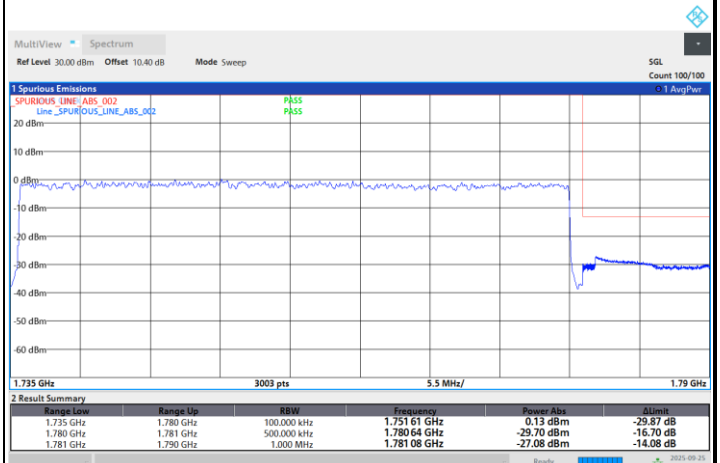
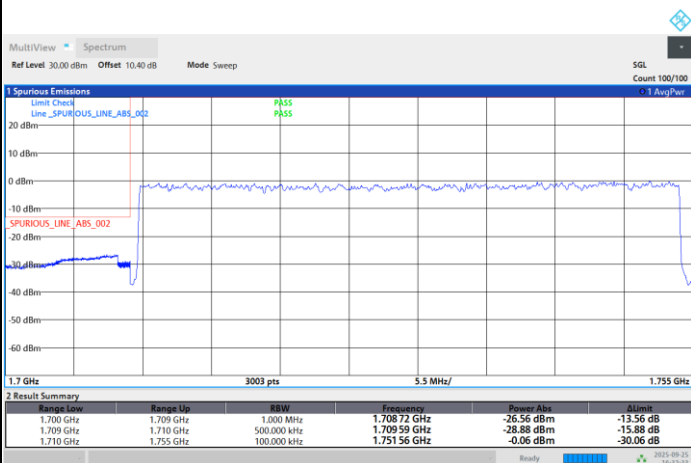
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

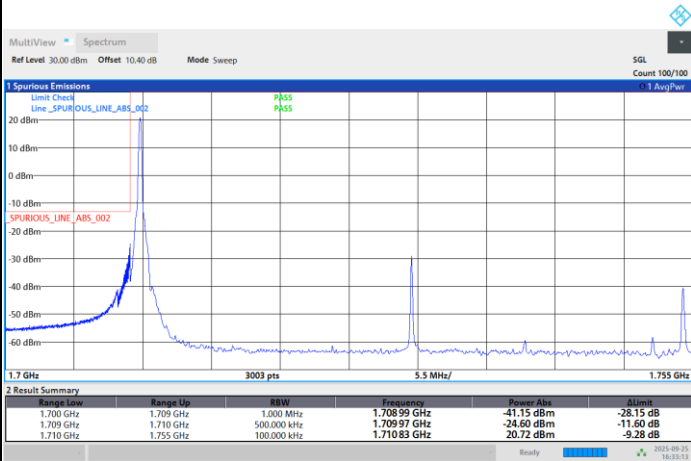




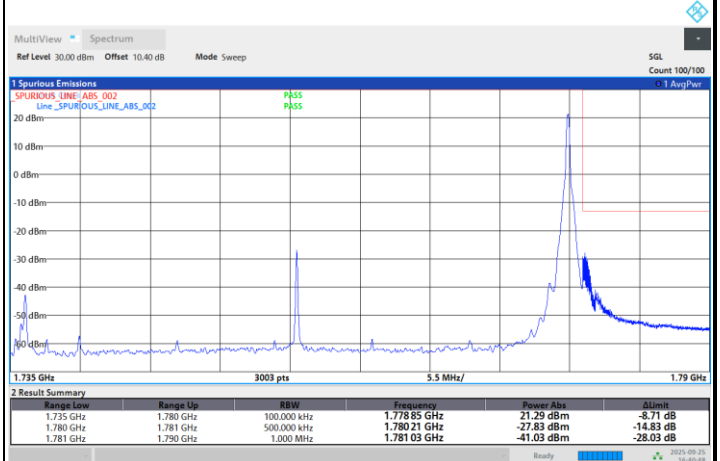
FR1 n66 / 45MHz / DFT-S OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



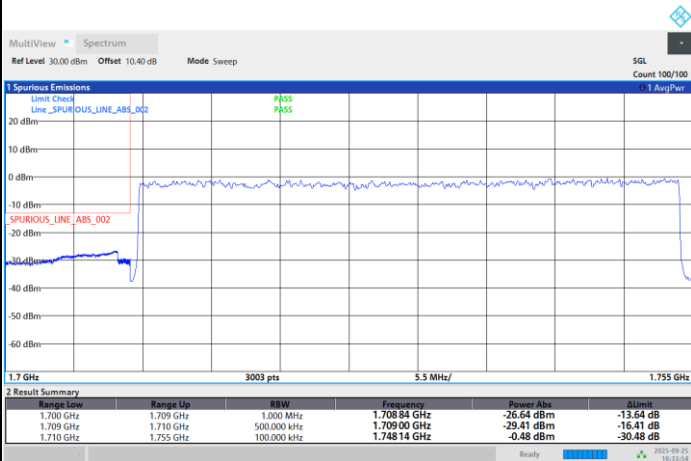
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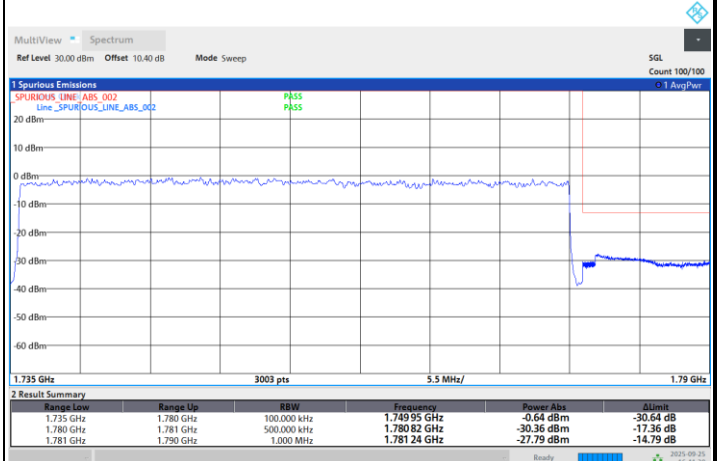
04:40:49 PM 09/25/2025

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



04:33:55 PM 09/25/2025



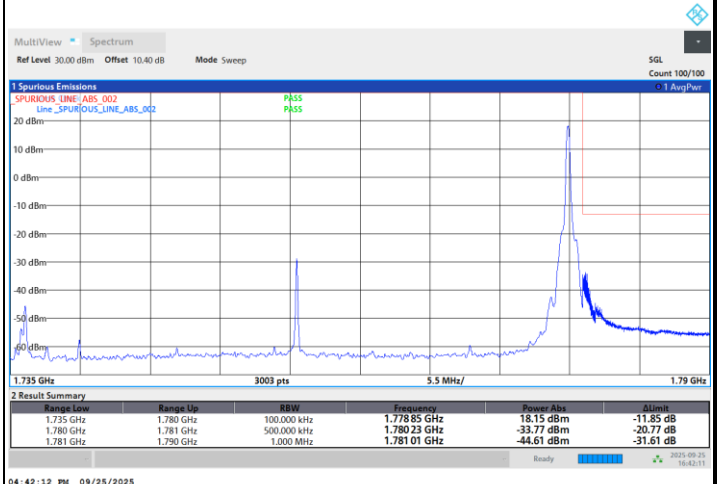
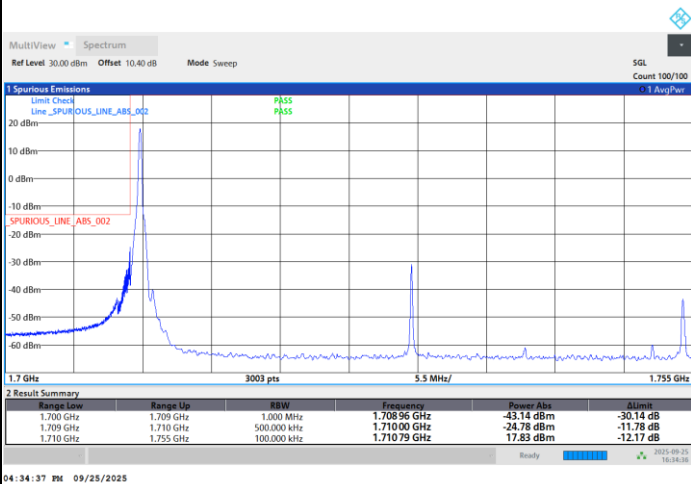
04:41:29 PM 09/25/2025



FR1 n66 / 45MHz / DFT-S OFDM / 256QAM

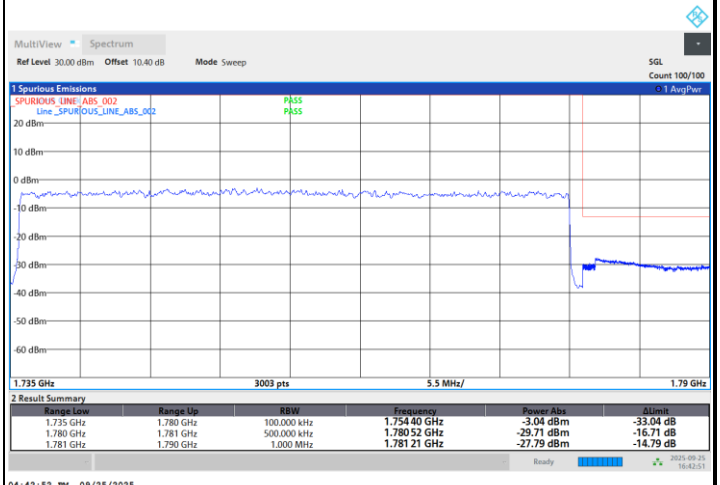
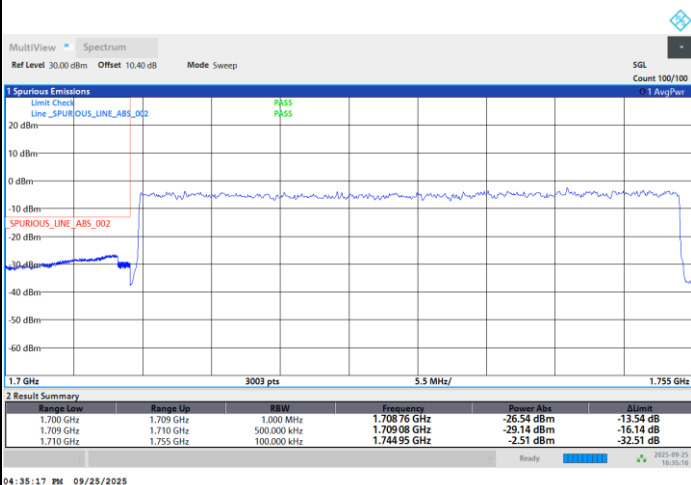
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

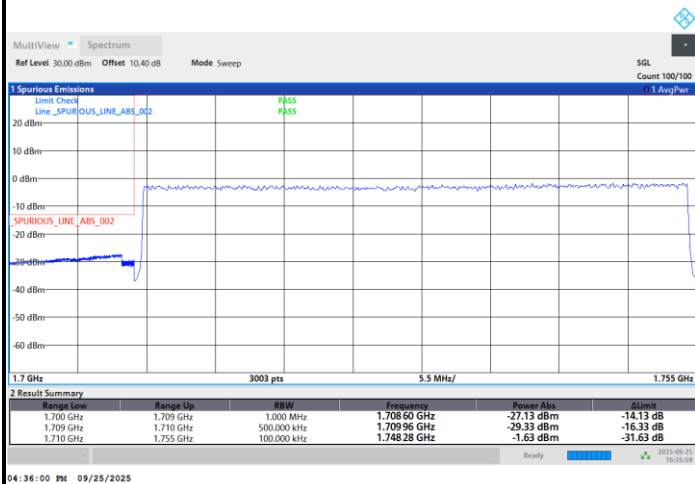
Highest Band Edge / Full RB





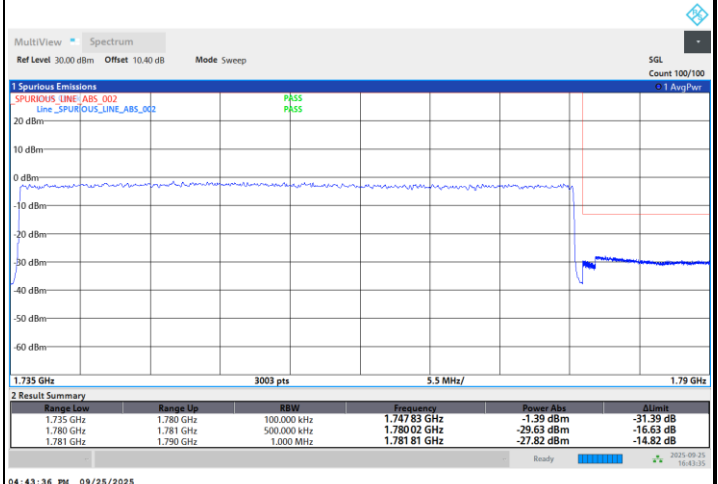
FR1 n66 / 45MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge



04:36:00 PM 09/25/2025

Highest Band Edge



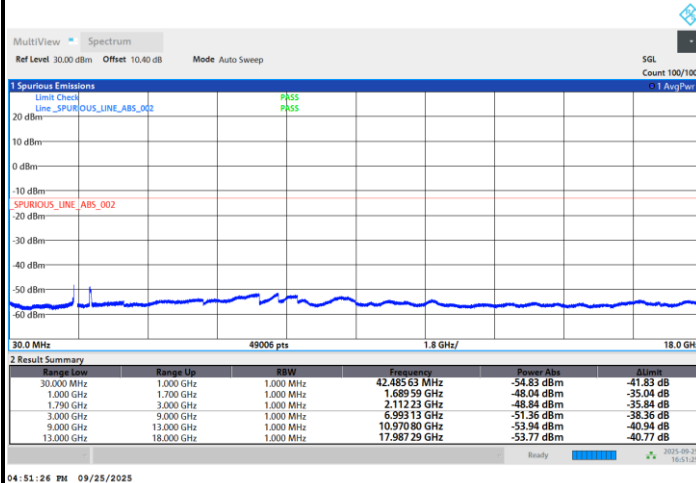
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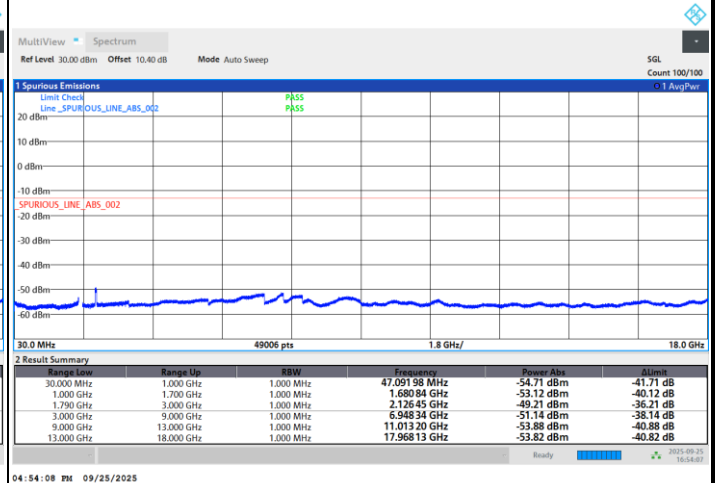
Conducted Spurious Emission

FR1 n66 / 45MHz / DFT-S OFDM / QPSK / 1RB1

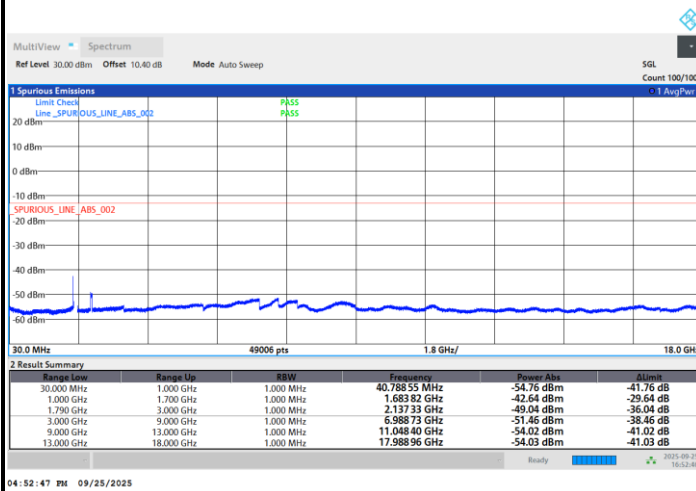
Lowest Channel



Middle Channel



Highest Channel



Frequency Stability

Test Conditions		FR1 n66 (BPSK) / Middle Channel 45M			
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Frequency Offset (Δf) (Hz)	Within Authorized Frequency Block(Hz)	Result
50	Normal Voltage	0.0070	-12.2	Yes	PASS
40	Normal Voltage	0.0005	-0.9	Yes	
30	Normal Voltage	0.0019	-3.3	Yes	
20(Ref.)	Normal Voltage	0.0000	0	Yes	
10	Normal Voltage	0.0008	-1.4	Yes	
0	Normal Voltage	0.0030	-5.3	Yes	
-10	Normal Voltage	0.0045	-7.9	Yes	
-20	Normal Voltage	0.0072	-12.6	Yes	
-30	Normal Voltage	0.0003	0.5	Yes	
20	Maximum Voltage	0.0039	-6.8	Yes	
20	Normal Voltage	0.0005	0.9	Yes	
20	Minimum Voltage	0.0028	-4.9	Yes	

Note:

1. Normal Voltage = 3.8 V. ; Minimum Voltage = 3.4 V. ; Maximum Voltage = 4.2 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.

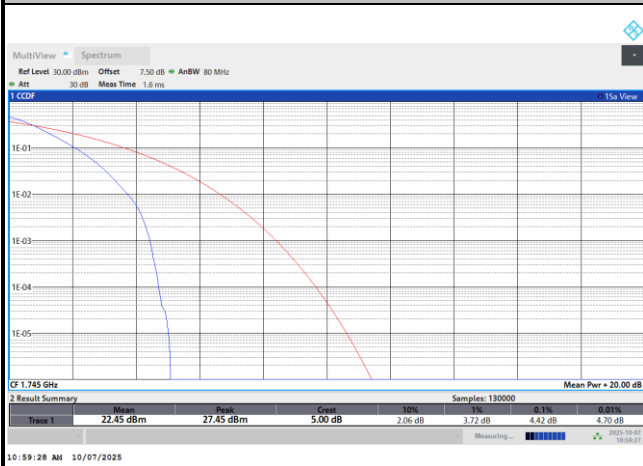
**FR1 n66****MIMO <Ant. 2+0> (Ant. 0)****Peak-to-Average Ratio**

Mode	FR1 n66 / 45MHz / 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	4.42	5.58	6.20	6.60	PASS
Mode	FR1 n66 / 45MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	7.20				PASS

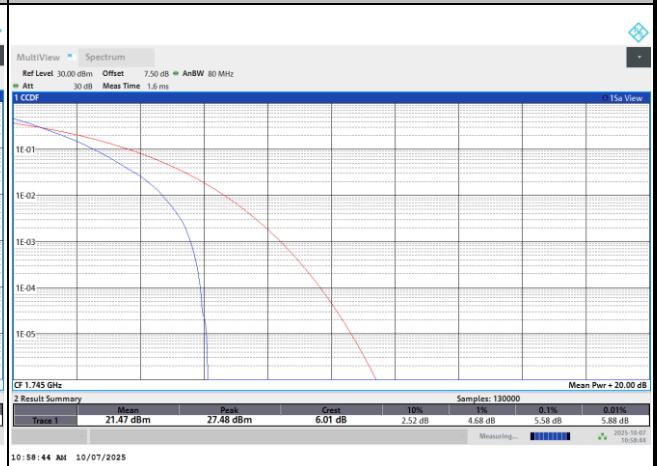


FR1 n66 / 45MHz / DFT-S OFDM / Middle Channel / Full RB

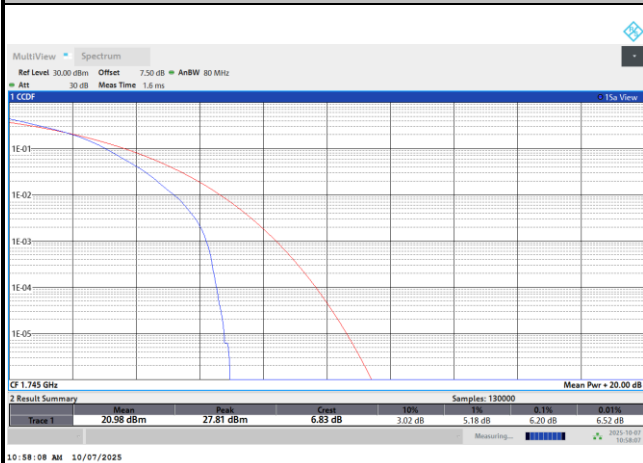
PI/2 BPSK



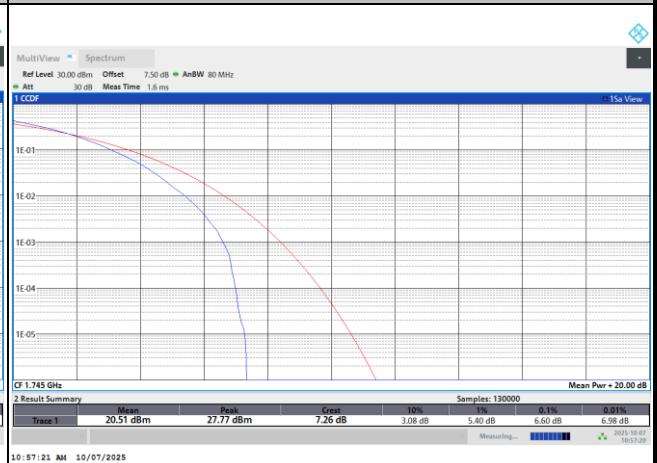
QPSK



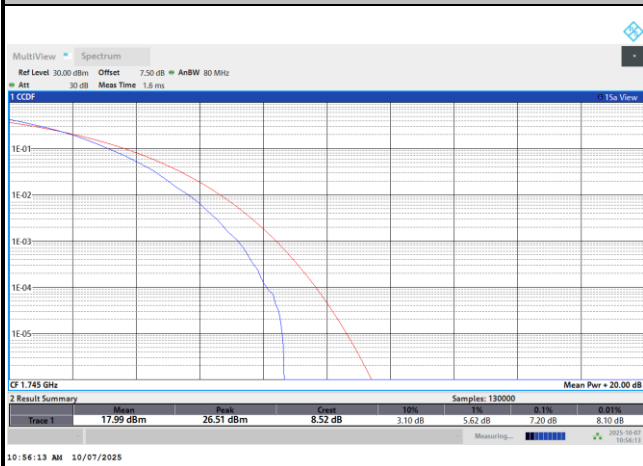
16QAM



64QAM



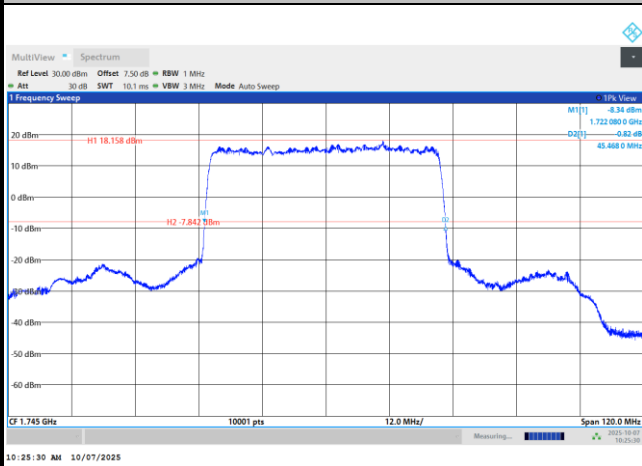
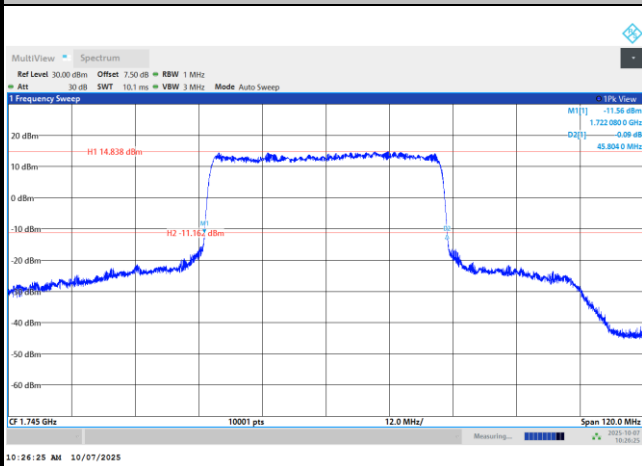
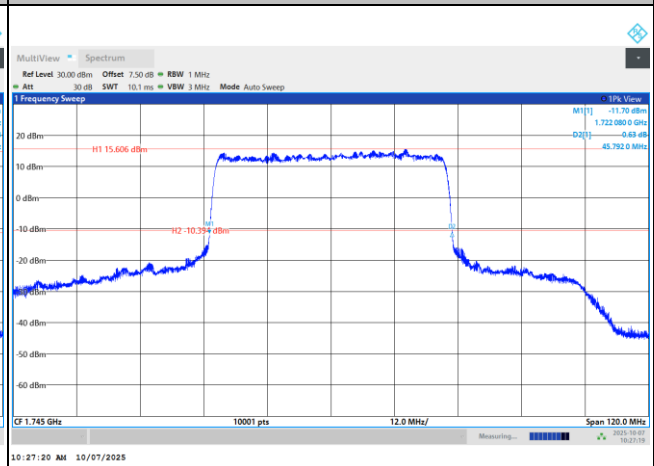
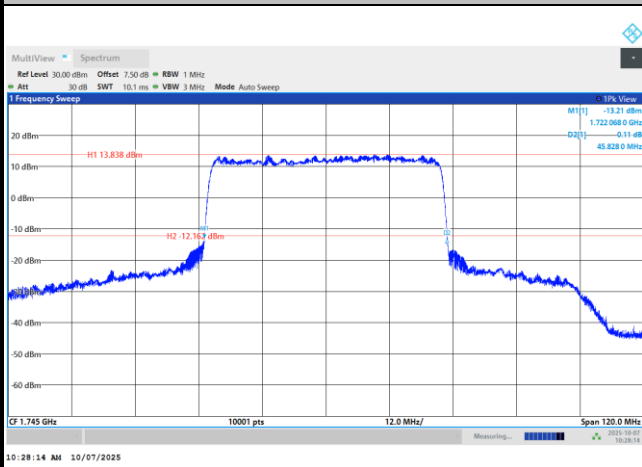
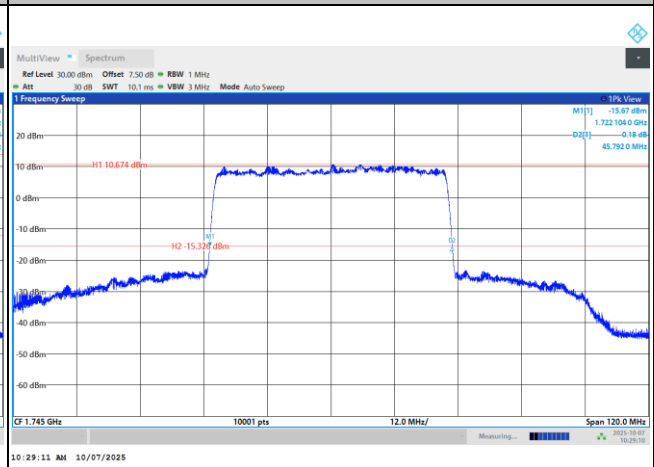
256QAM



**26dB Bandwidth**

Mode	FR1 n66 : 26dB BW(MHz) / DFT-S OFDM							
BW	45MHz							
Mod.	PI/2 BPSK							
Middle CH	45.46							

Mode	FR1 n66 : 26dB BW(MHz) / CP OFDM							
BW	45MHz							
Mod.	QPSK	16QAM						
Middle CH	45.80	45.79						
Mod.	64QAM	256QAM						
Middle CH	45.82	45.79						

FR1 n66 / 45MHz / DFT-S OFDM / Middle Channel / Full RB
PI/2 BPSK

FR1 n66 / 45MHz / CP OFDM / Middle Channel / Full RB
QPSK

16QAM

64QAM

256QAM


**Occupied Bandwidth**

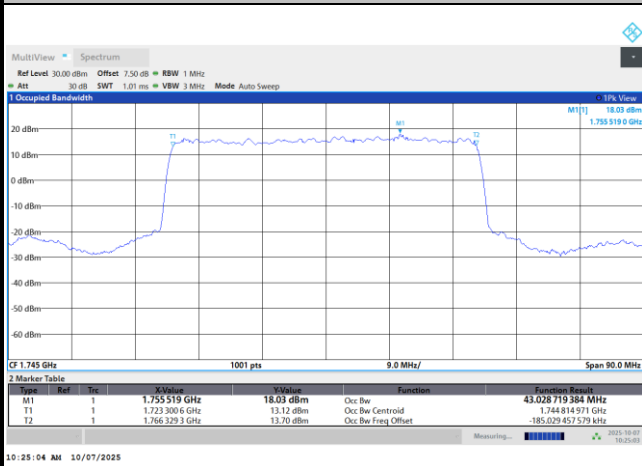
Mode	FR1 n66 : OB BW(MHz) / DFT-S OFDM							
BW	45MHz							
Mod.	PI/2 BPSK							
Middle CH	43.02							

Mode	FR1 n66 : OB BW(MHz) / CP OFDM							
BW	45MHz							
Mod.	QPSK	16QAM						
Middle CH	43.27	43.29						
Mod.	64QAM	256QAM						
Middle CH	43.26	43.40						



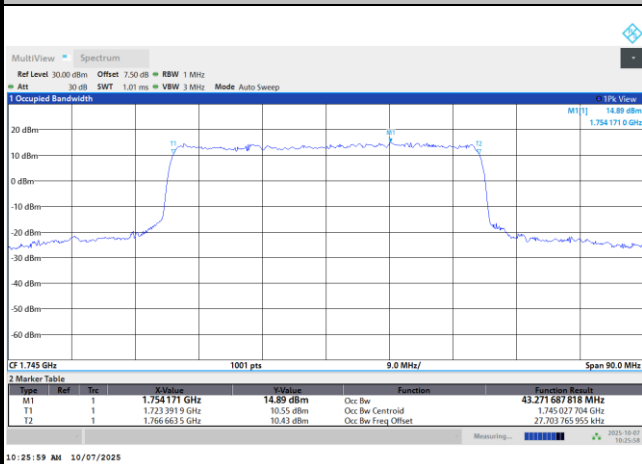
FR1 n66 / 45MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

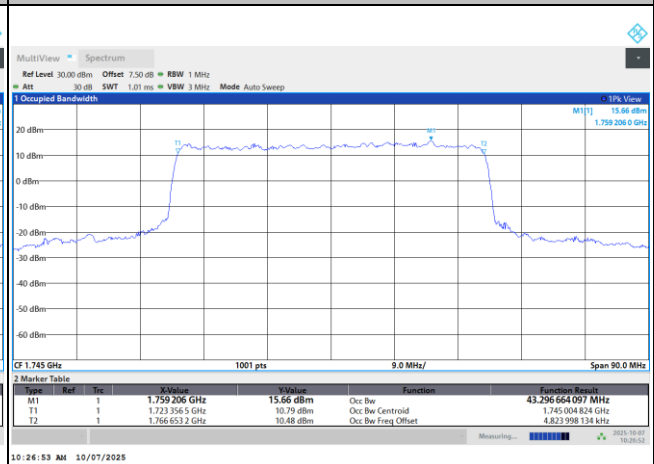


FR1 n66 / 45MHz / CP OFDM / Middle Channel / Full RB

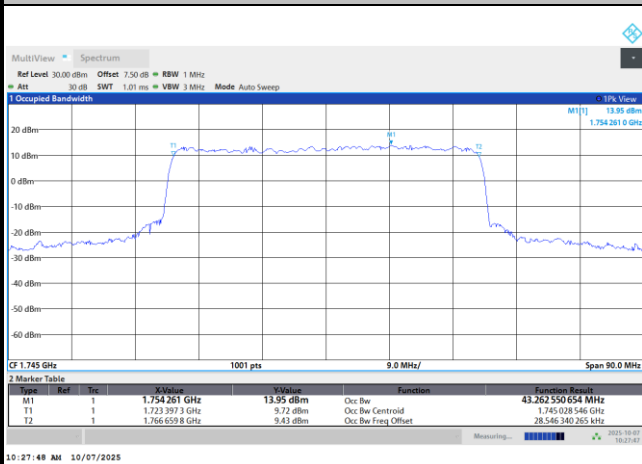
QPSK



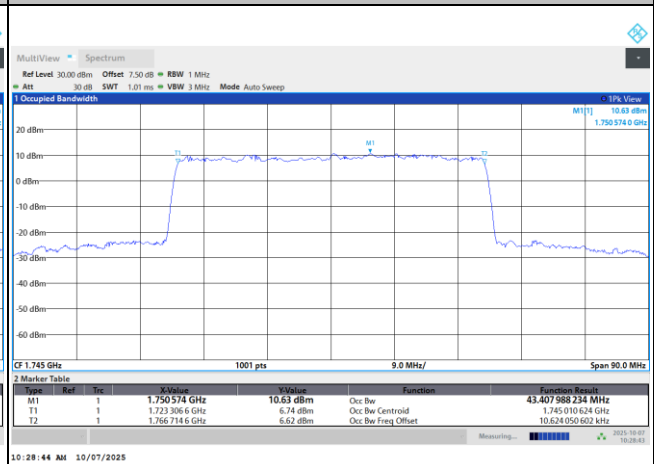
16QAM



64QAM



256QAM



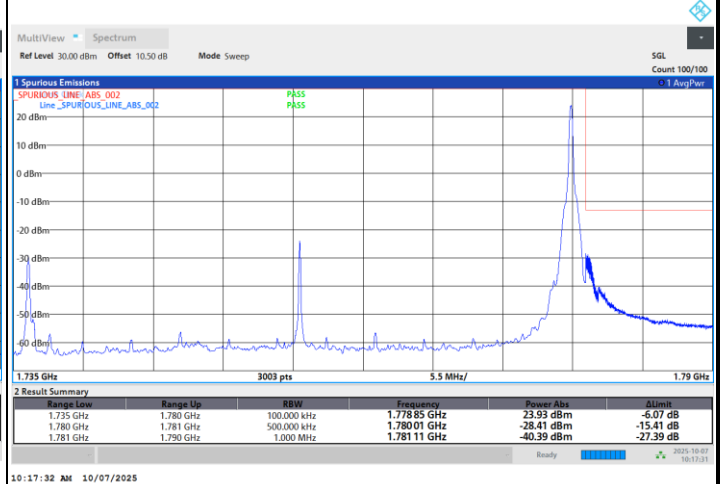
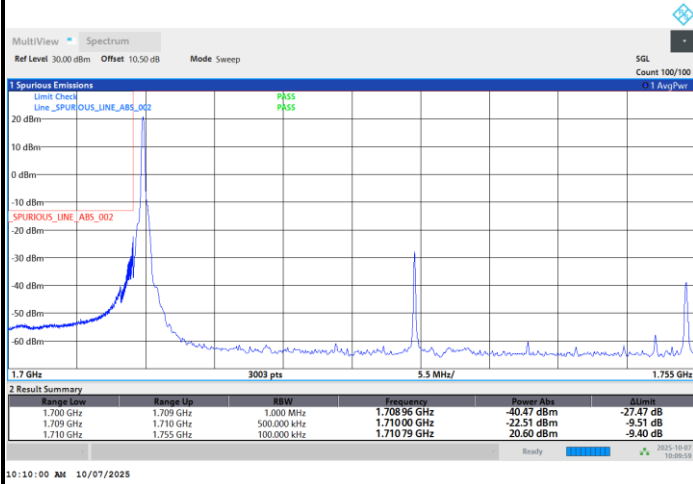


Conducted Band Edge

FR1 n66 / 45MHz / DFT-S OFDM / PI/2 BPSK

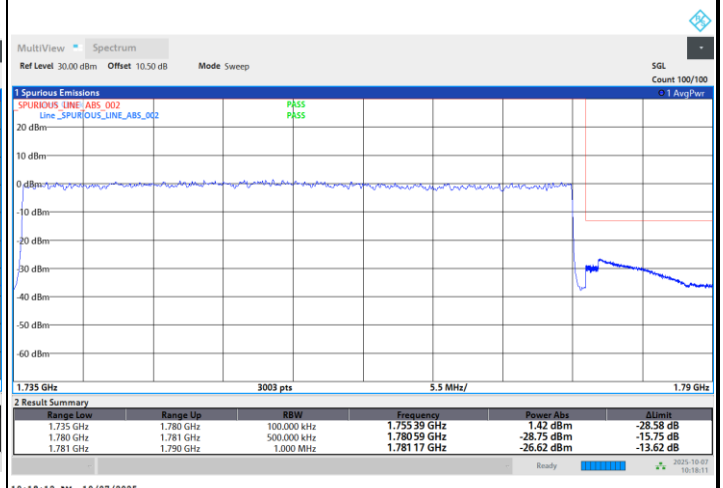
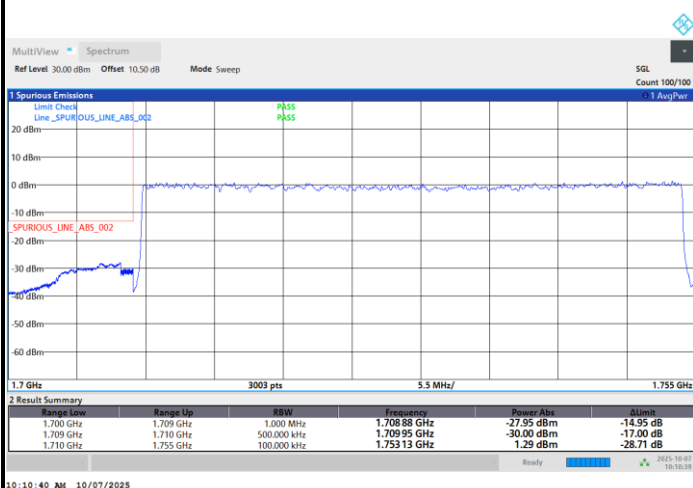
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

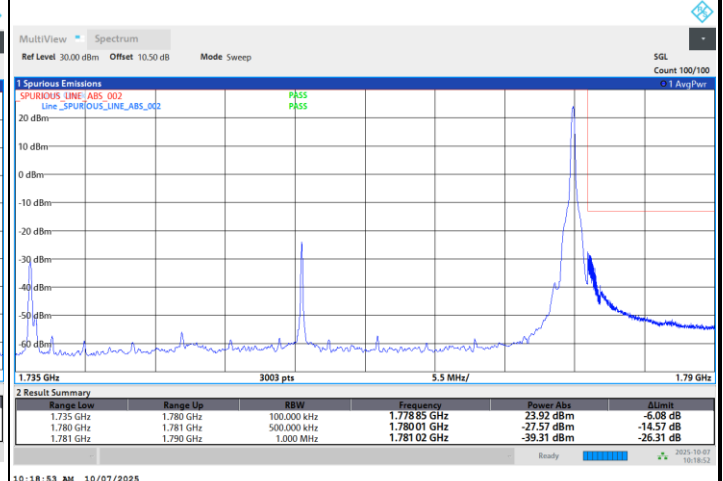
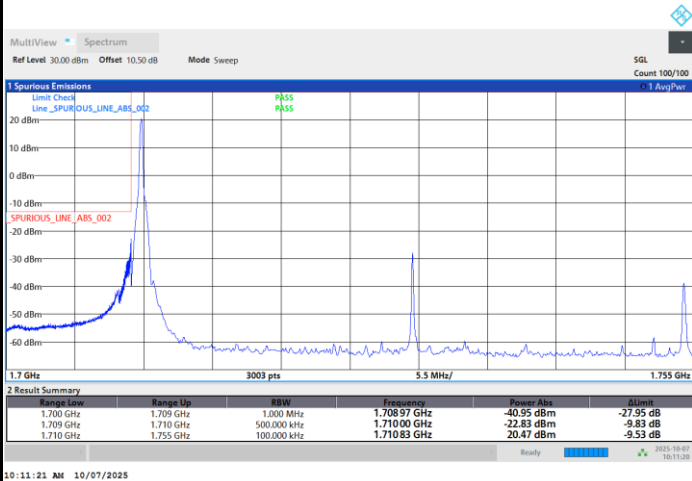




FR1 n66 / 45MHz / DFT-S OFDM / QPSK

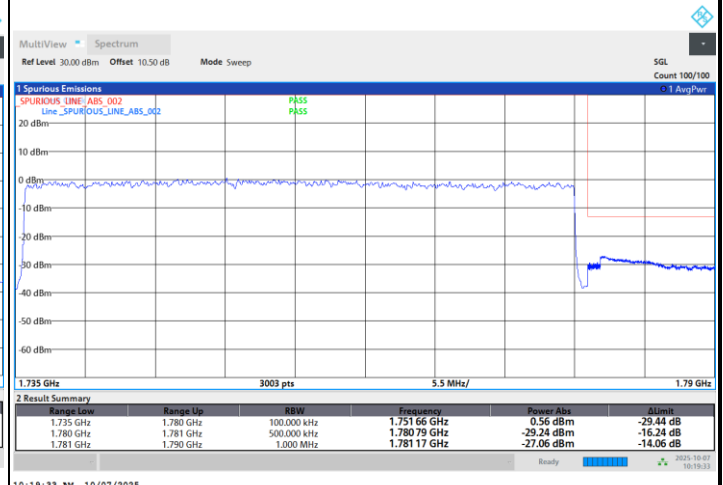
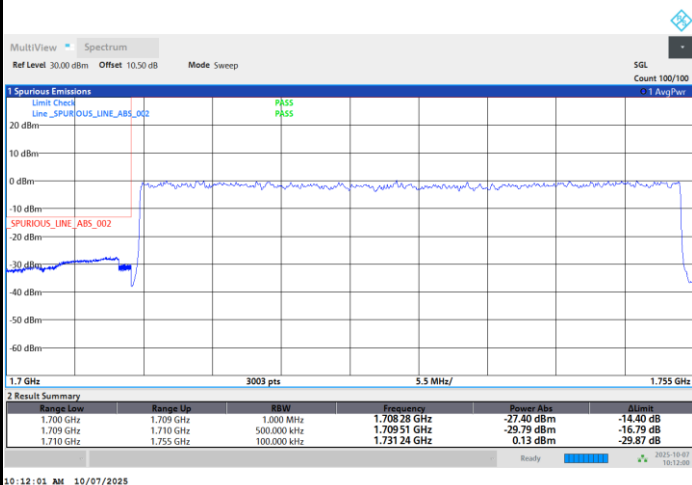
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

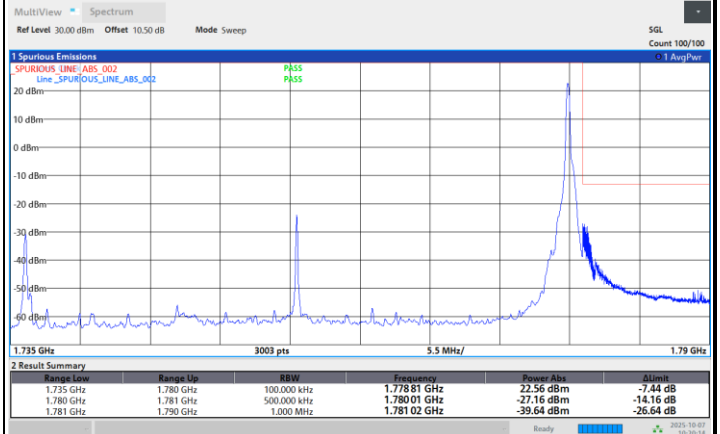
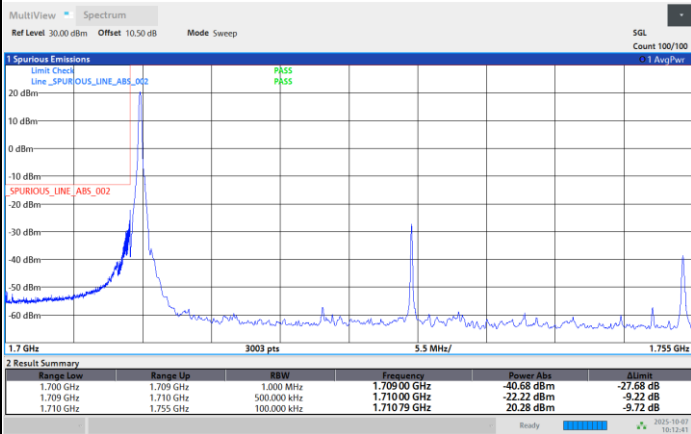




FR1 n66 / 45MHz / DFT-S OFDM / 16QAM

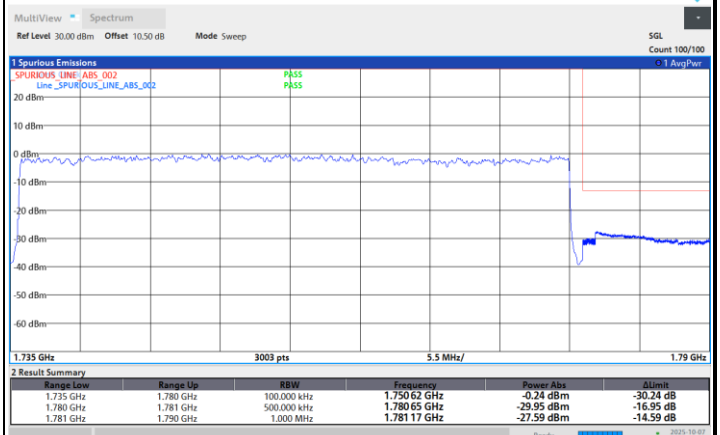
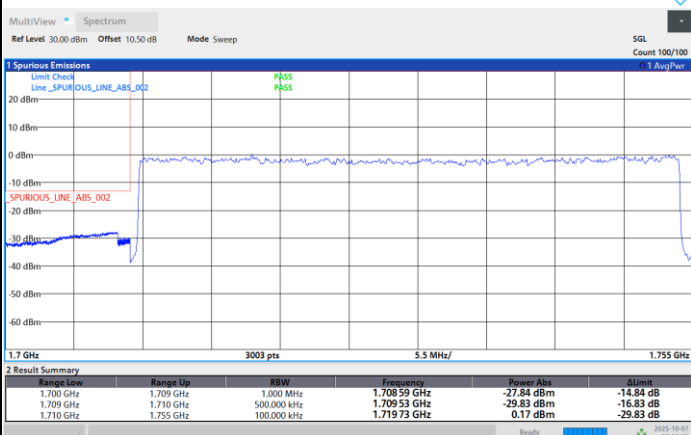
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

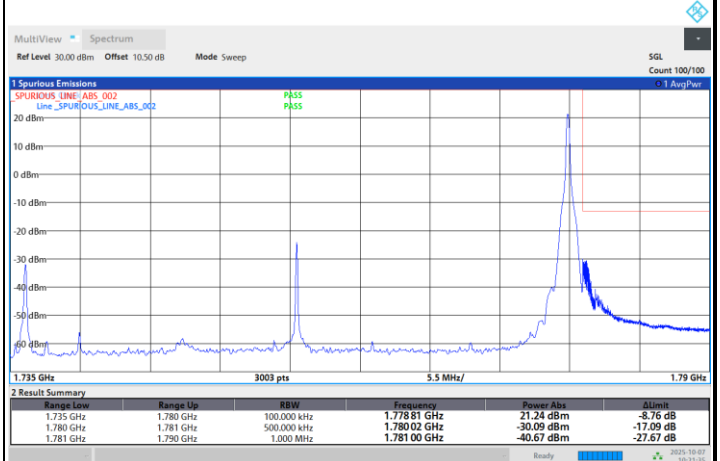
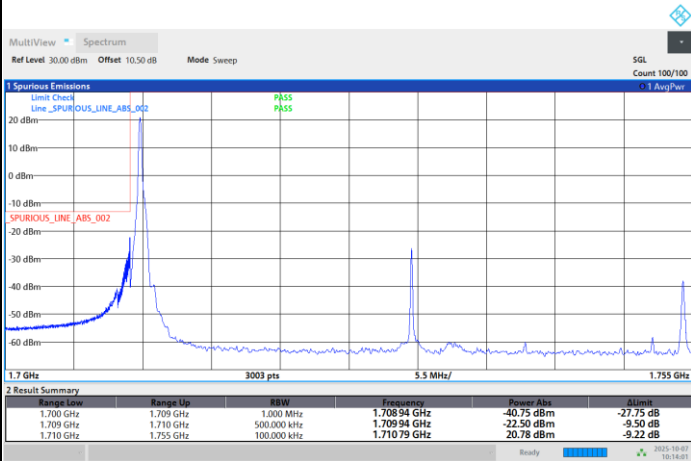




FR1 n66 / 45MHz / DFT-S OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

