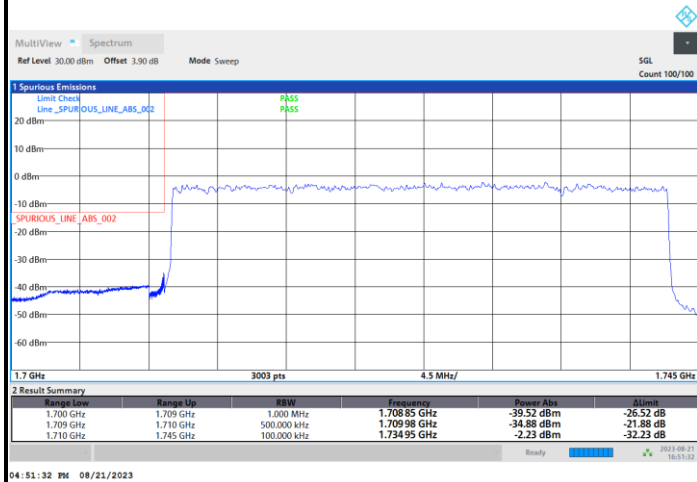


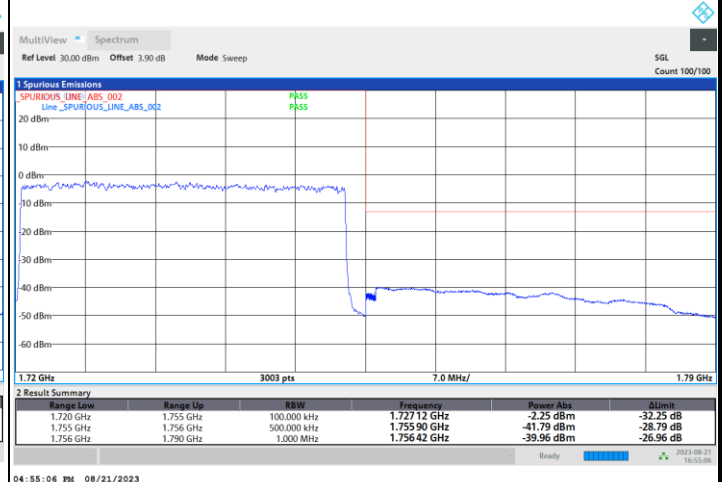


5G-FR1 SA n66 / 35MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / Full RB

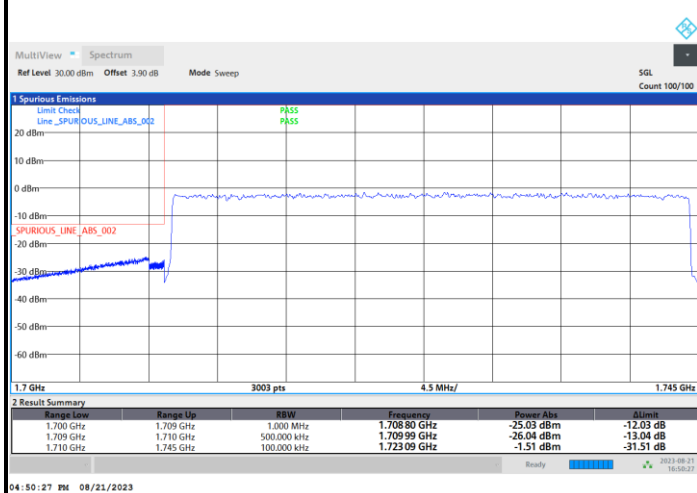


Highest Band Edge / Full RB

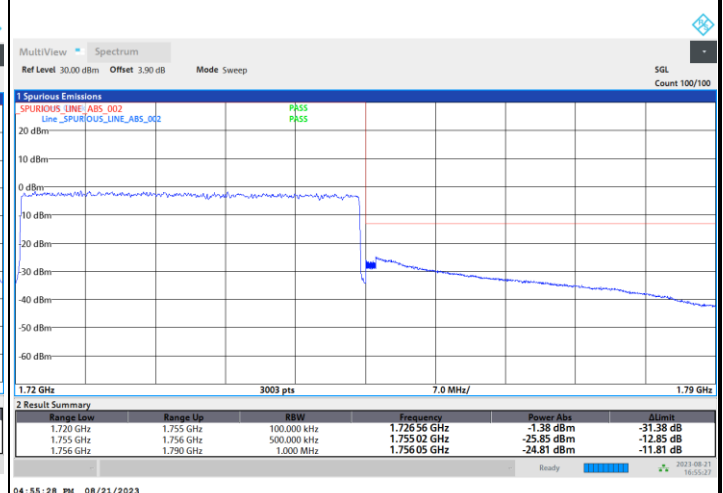


5G-FR1 SA n66 / 35MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge



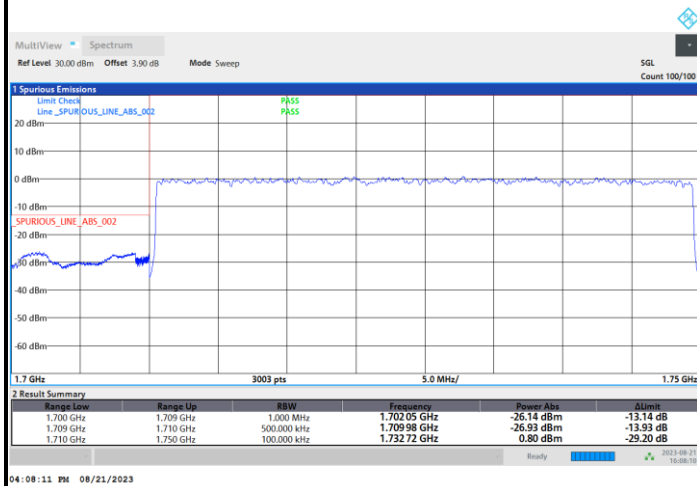
Highest Band Edge



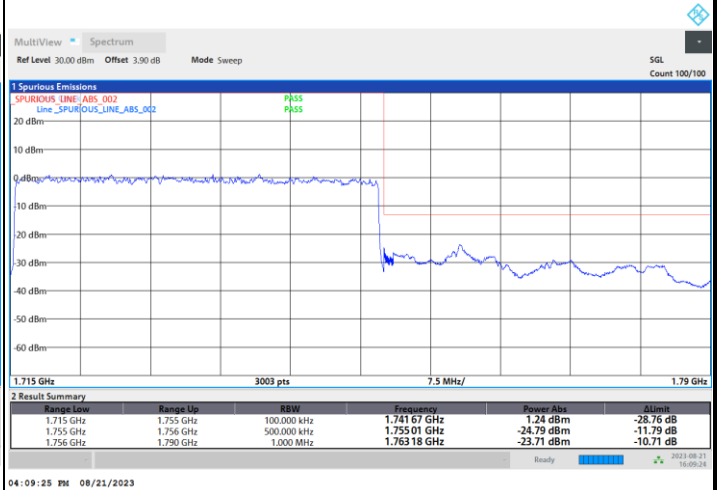


5G-FR1 SA n66 / 40MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

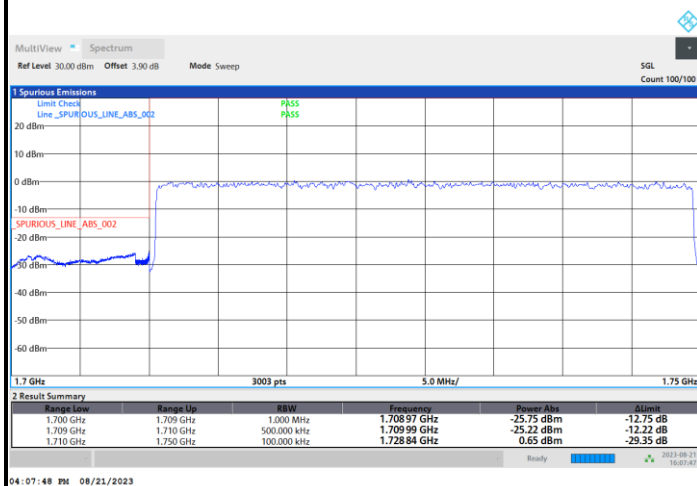


Highest Band Edge / Full RB

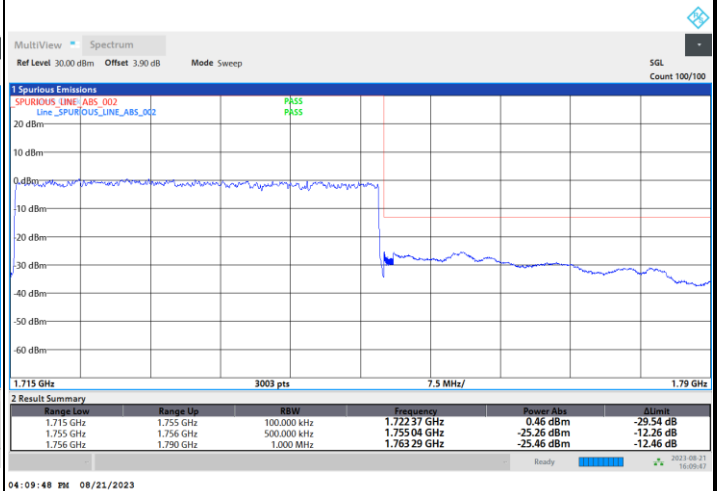


5G-FR1 SA n66 / 40MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / Full RB



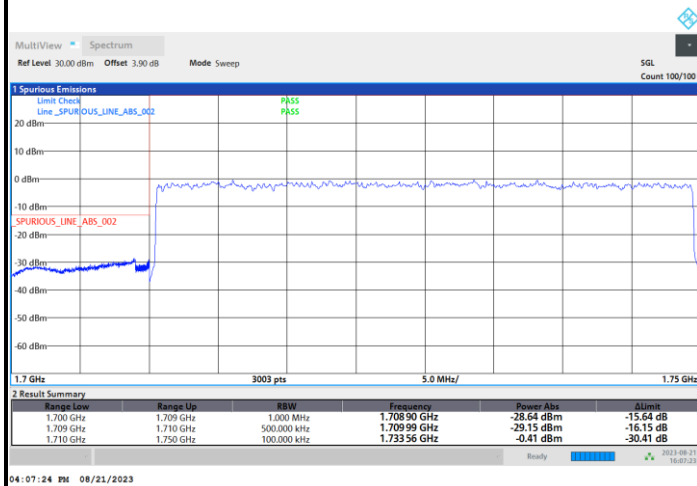
Highest Band Edge / Full RB



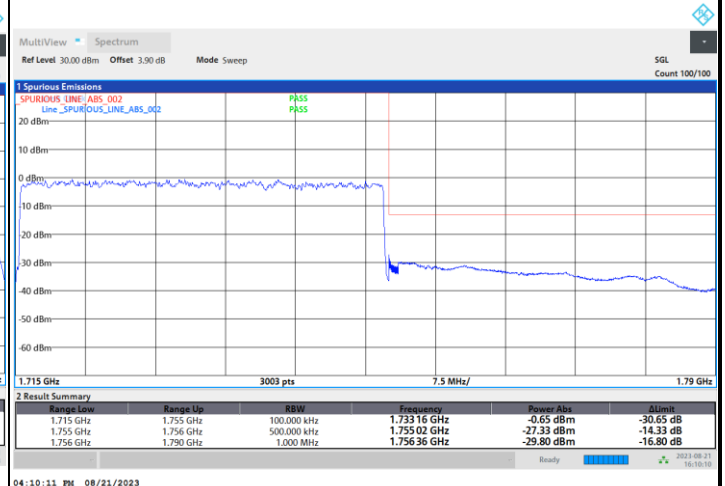


5G-FR1 SA n66 / 40MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / Full RB

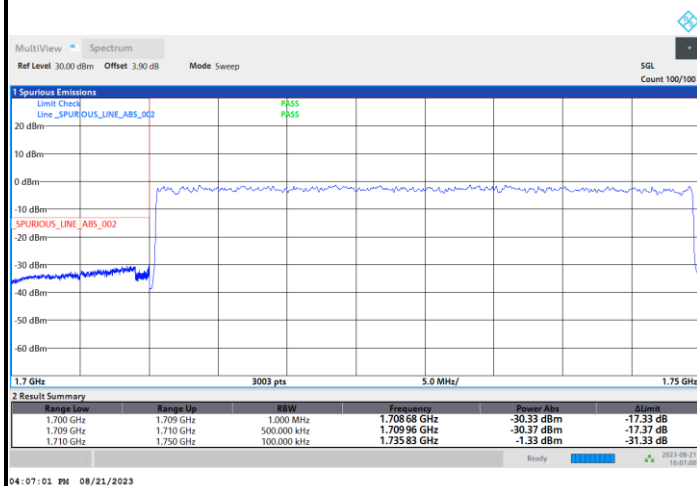


Highest Band Edge / Full RB



5G-FR1 SA n66 / 40MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / Full RB



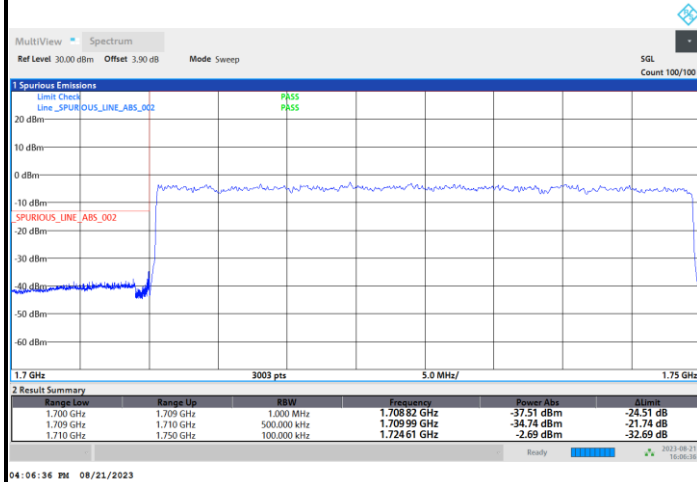
Highest Band Edge / Full RB



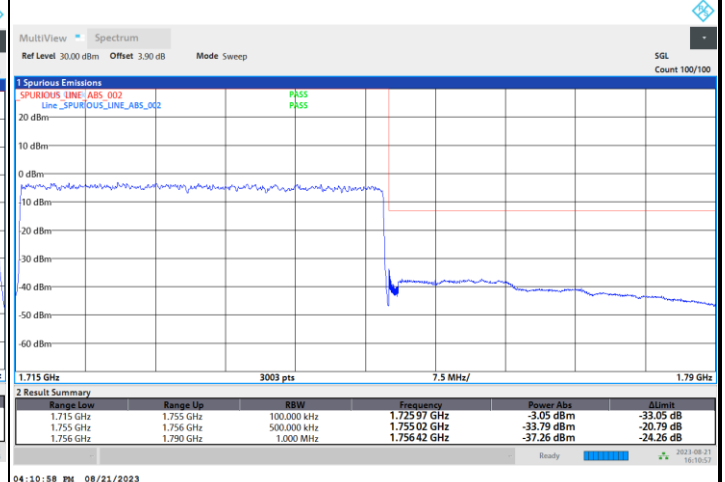


5G-FR1 SA n66 / 40MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / Full RB

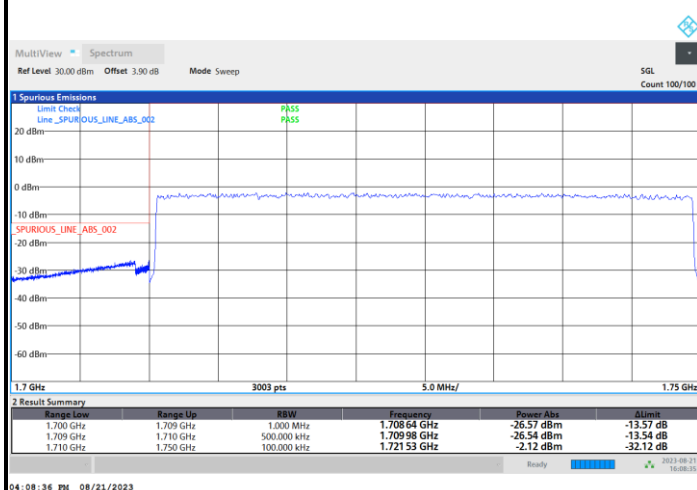


Highest Band Edge / Full RB

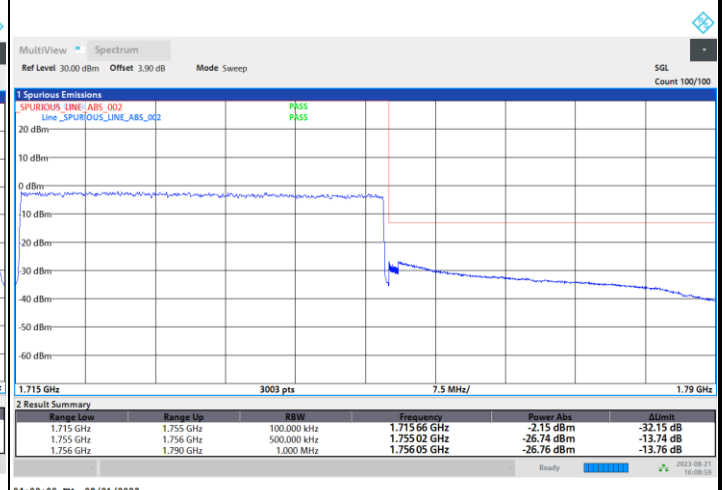


5G-FR1 SA n66 / 40MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge



Highest Band Edge

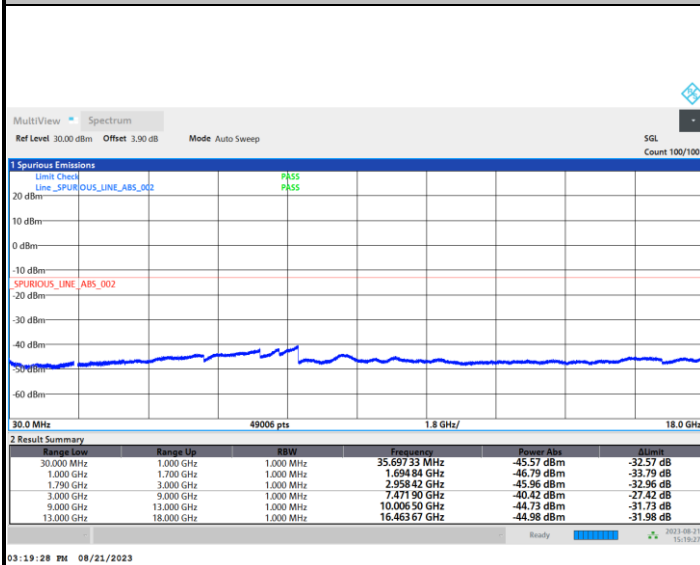




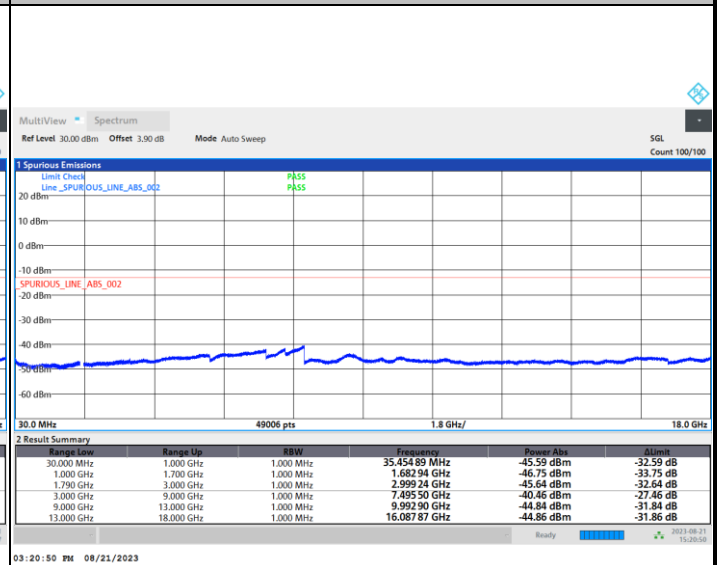
Conducted Spurious Emission

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

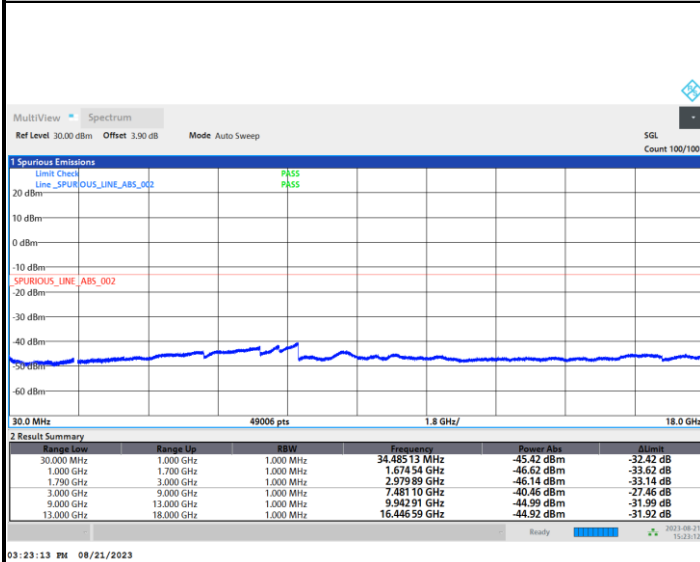
Lowest Channel



Middle Channel



Highest Channel



Frequency Stability

Test Conditions		5G-FR1 SA n66 (PI/2 BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0010	PASS
40	Normal Voltage	0.0033	
30	Normal Voltage	0.0025	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0028	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0015	
-30	Normal Voltage	0.0000	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0028	

Note:

1. Normal Voltage = 48 V. ; Minimum Voltage = 42.5 V. ; Maximum Voltage = 57 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



5G-FR1 SA n71

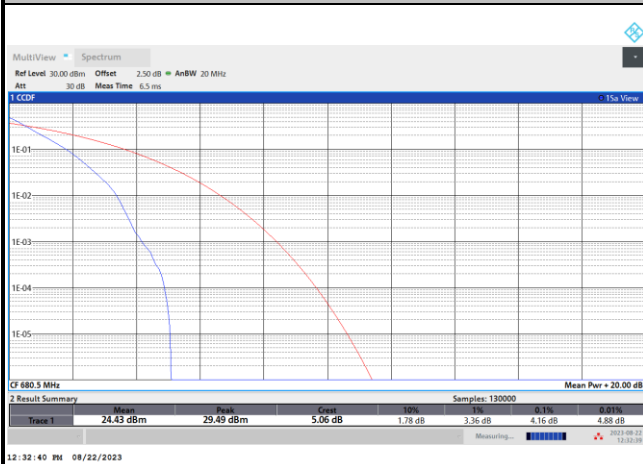
Peak-to-Average Ratio

Mode	5G-FR1 SA 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	4.16	5.50	6.28	6.34	PASS
Mode	5G-FR1 SA n71 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.66				PASS

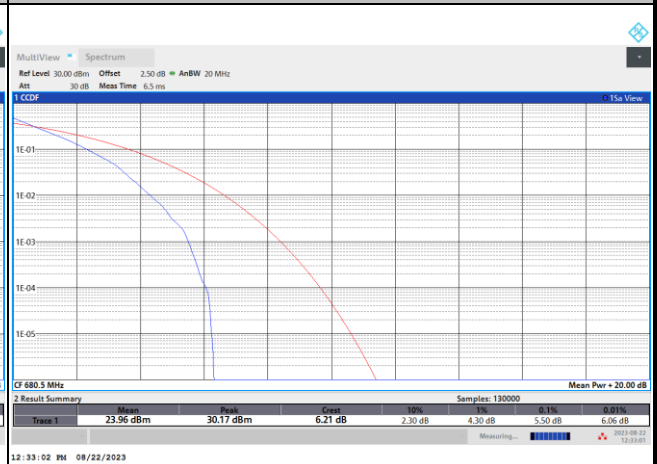


5G-FR1 SA n71 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

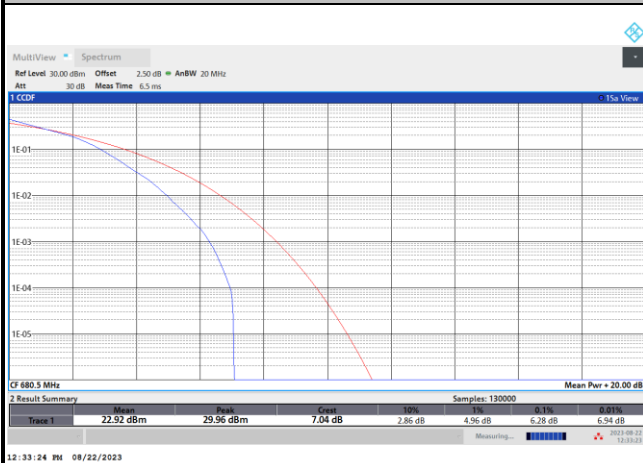
PI/2 BPSK



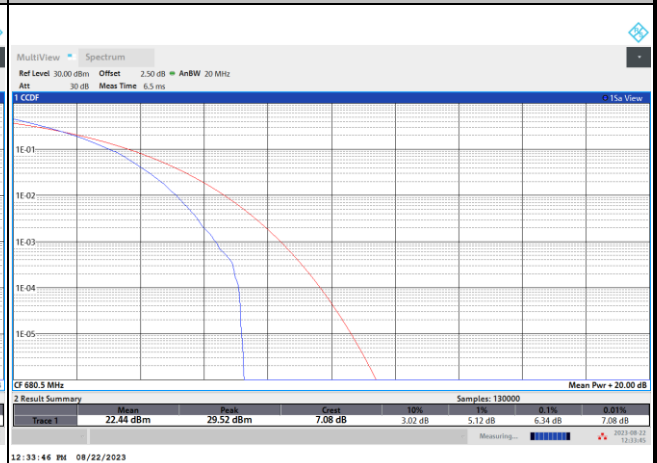
QPSK



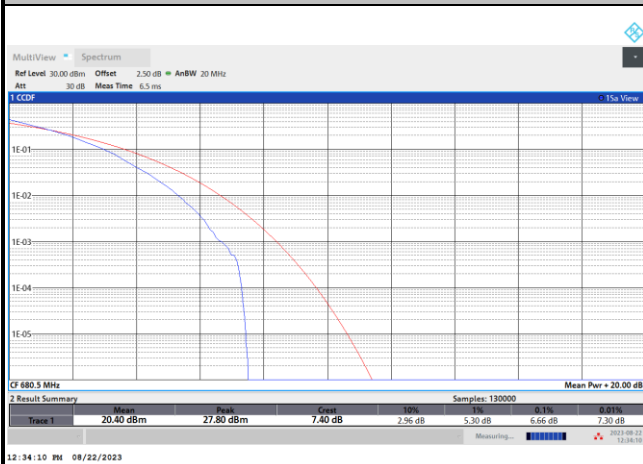
16QAM



64QAM



256QAM



**26dB Bandwidth**

Mode	5G-FR1 SA n71 : 26dB BW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	5.09		9.55		14.60		18.98	

Mode	5G-FR1 SA n71 : 26dB BW(MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	5.25	5.29	10.21	10.15	15.26	15.29	20.14	20.18
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	5.26	5.35	10.09	10.05	15.32	15.35	20.14	20.14

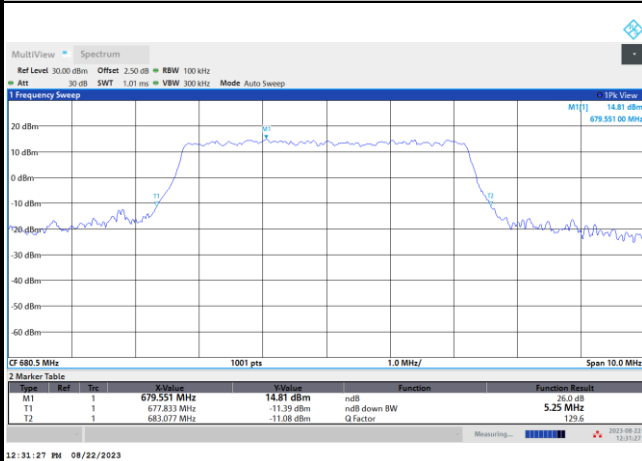
5G-FR1 SA n71 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

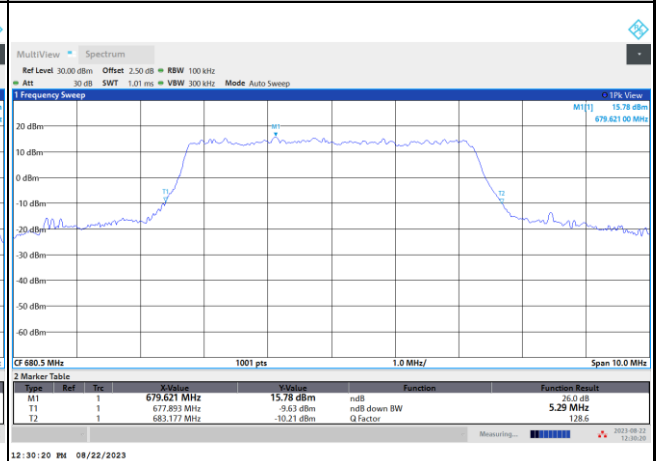


5G-FR1 SA n71 / 5MHz / CP OFDM / Middle Channel / Full RB

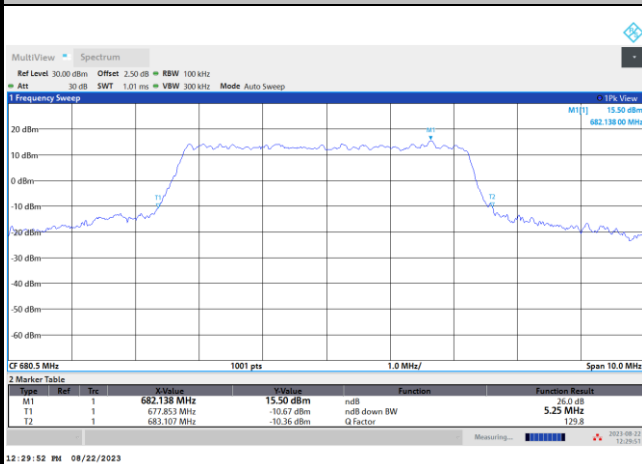
QPSK



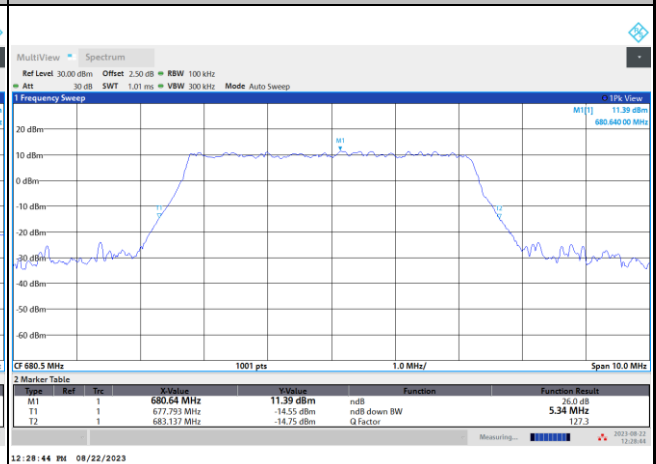
16QAM



64QAM



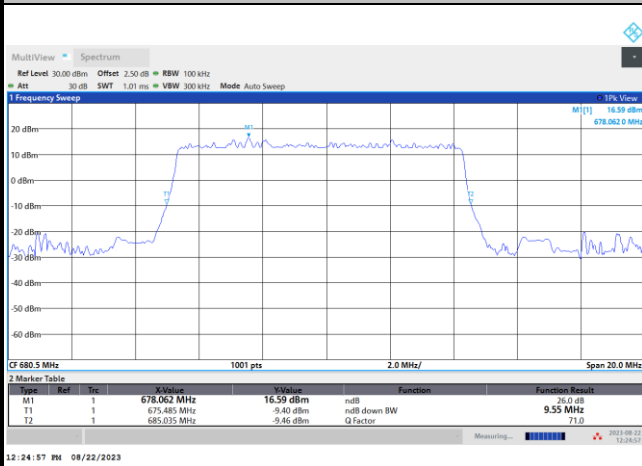
256QAM





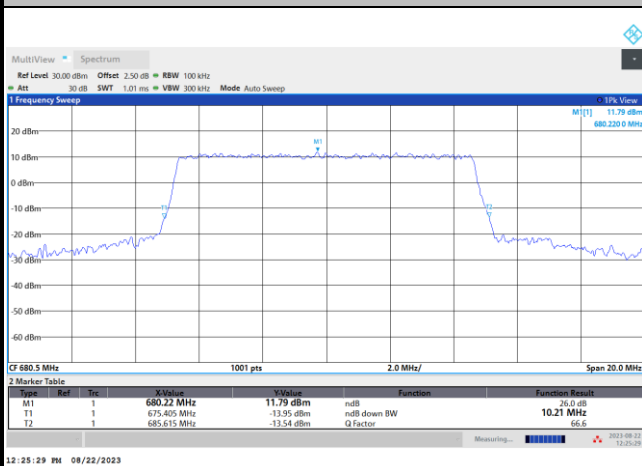
5G-FR1 SA n71 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

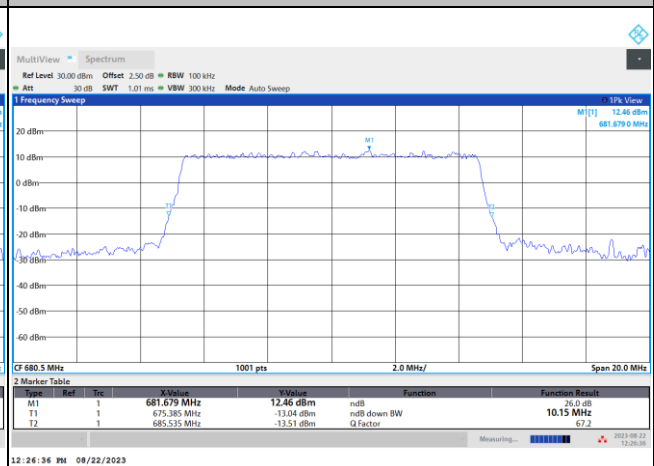


5G-FR1 SA n71 / 10MHz / CP OFDM / Middle Channel / Full RB

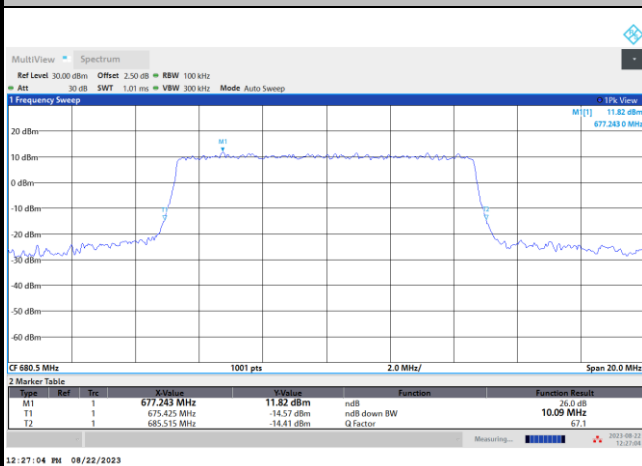
QPSK



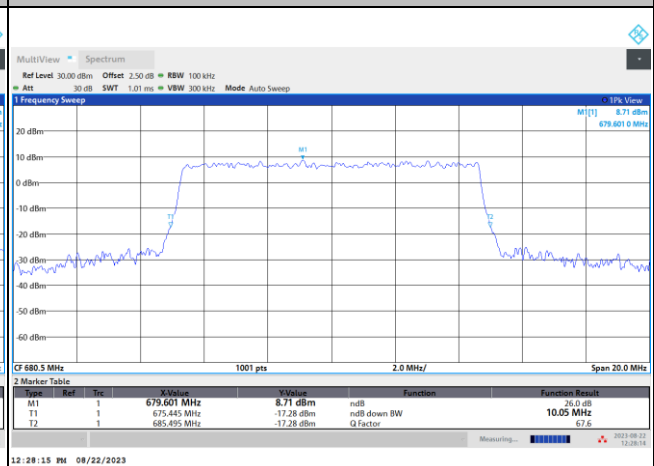
16QAM

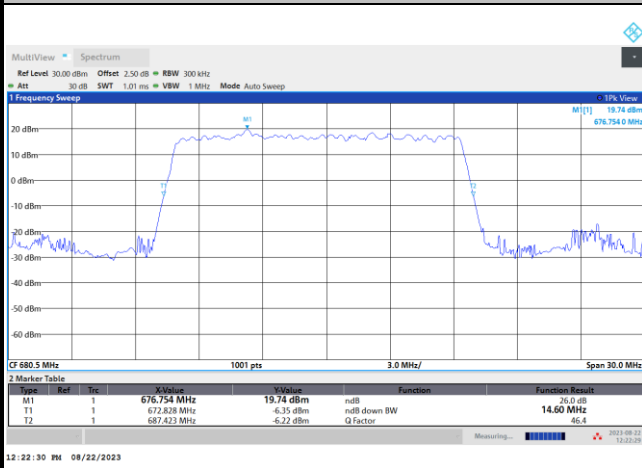
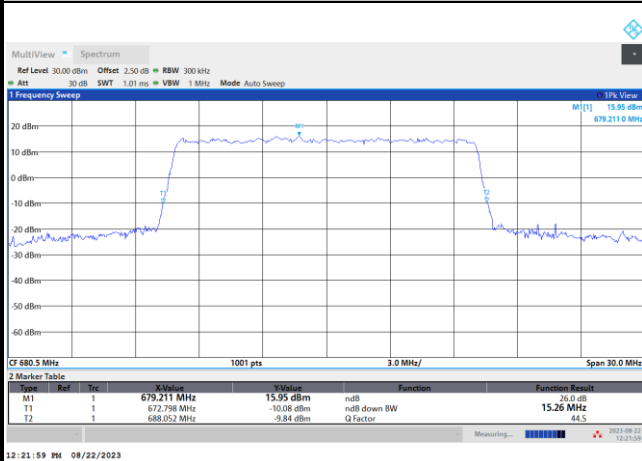
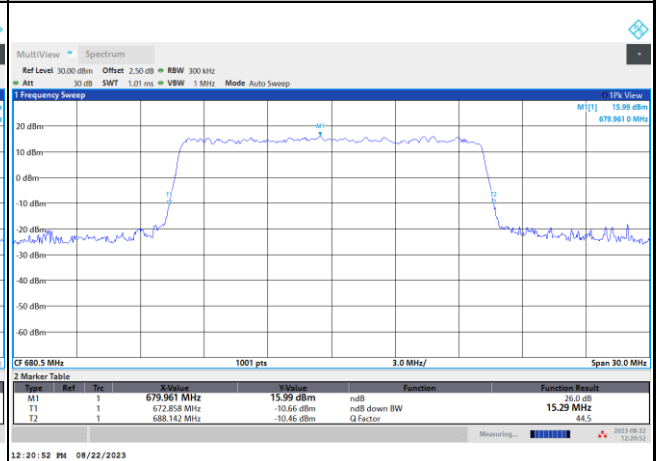
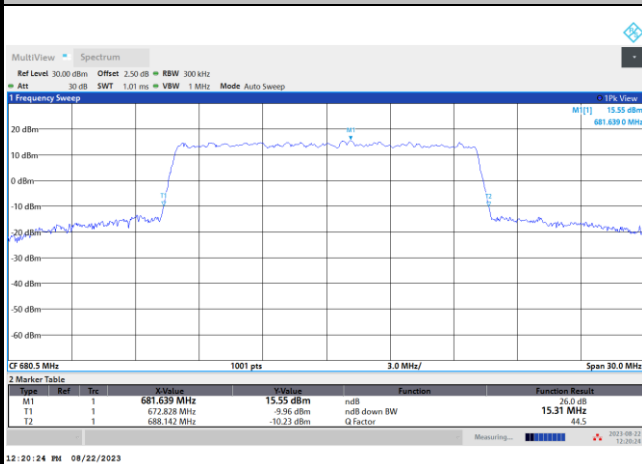
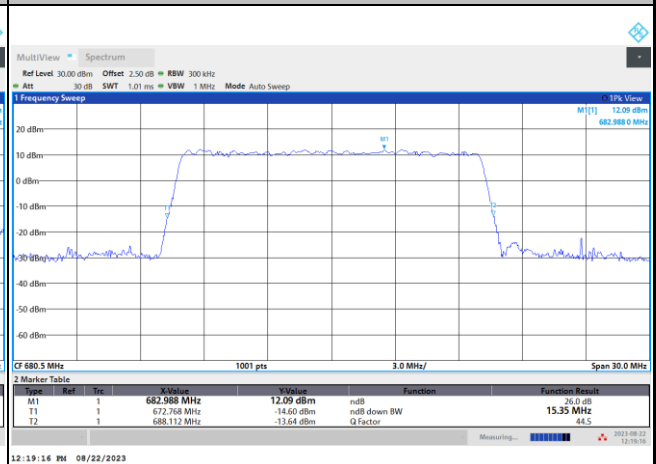


64QAM



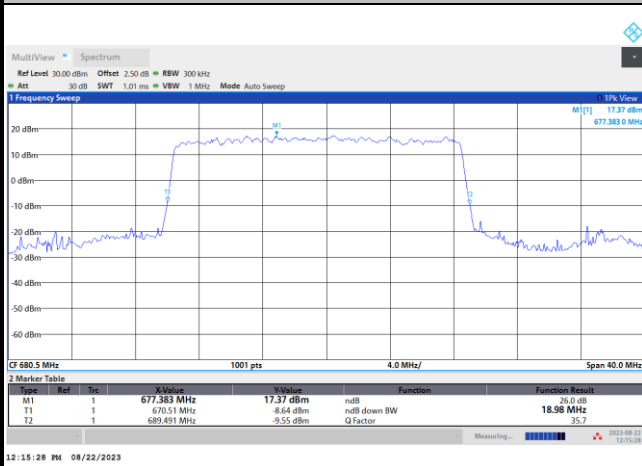
256QAM



5G-FR1 SA n71 / 15MHz / DFT-S OFDM / Middle Channel / Full RB
PI/2 BPSK

5G-FR1 SA n71 / 15MHz / CP OFDM / Middle Channel / Full RB
QPSK

16QAM

64QAM

256QAM


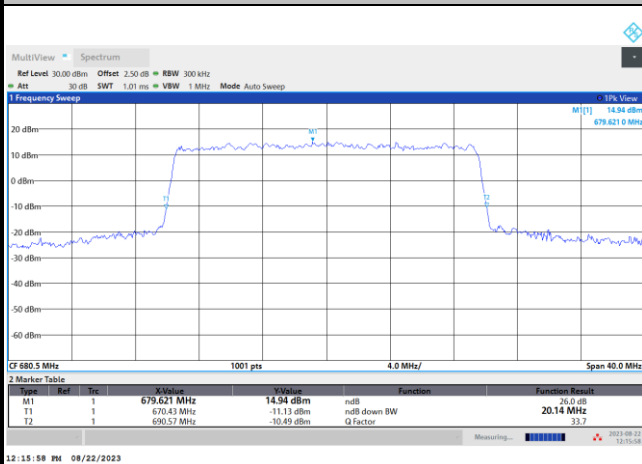
5G-FR1 SA n71 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

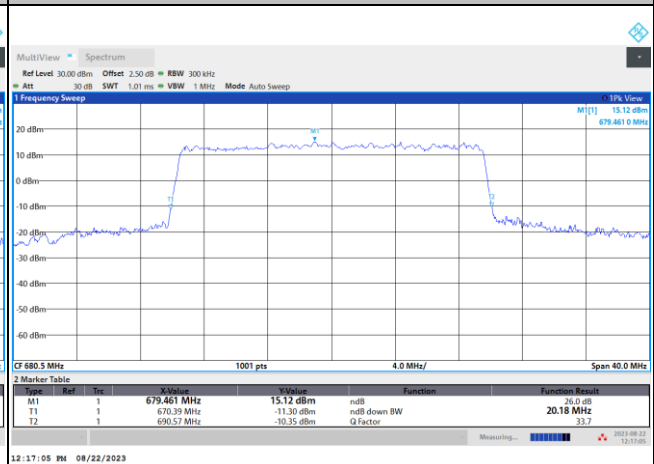


5G-FR1 SA n71 / 20MHz / CP OFDM / Middle Channel / Full RB

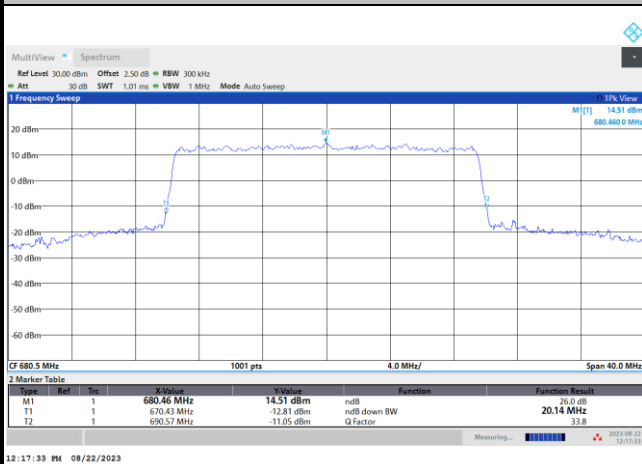
QPSK



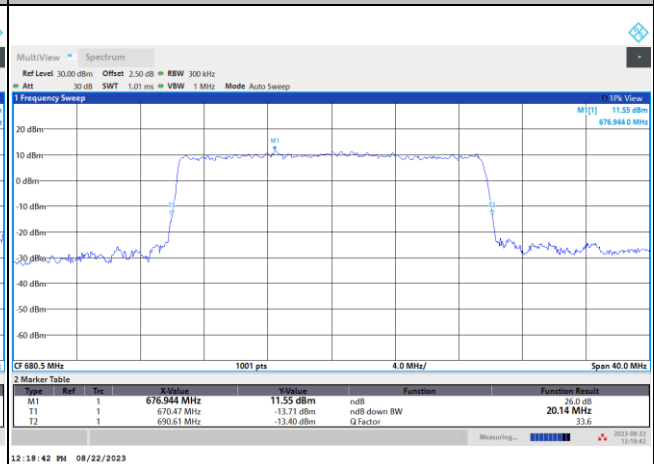
16QAM



64QAM



256QAM



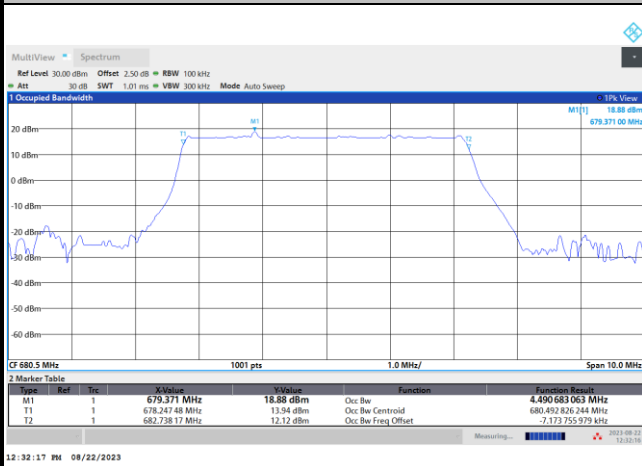
**Occupied Bandwidth**

Mode	5G-FR1 SA n71 : 99%OBW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	4.49		8.89		13.45		17.85	

Mode	5G-FR1 SA n71 : 99%OBW (MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.50	4.56	9.28	9.28	14.14	14.14	18.89	18.94
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	4.53	4.52	9.27	9.29	14.19	14.14	18.92	18.98

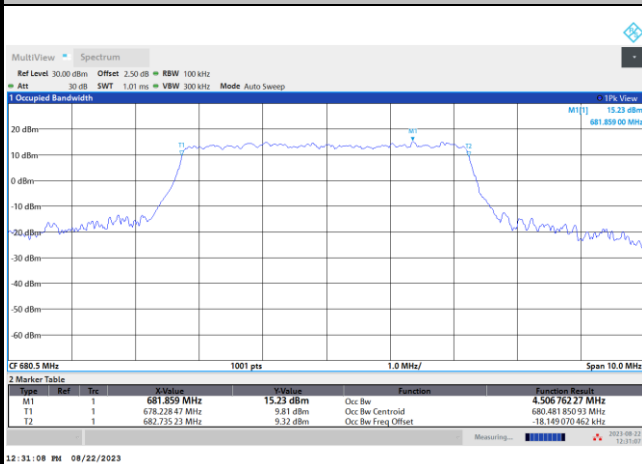
5G-FR1 SA n71 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

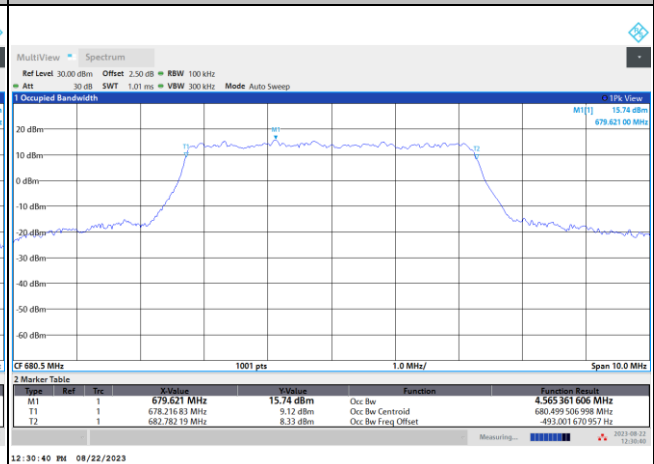


5G-FR1 SA n71 / 5MHz / CP OFDM / Middle Channel / Full RB

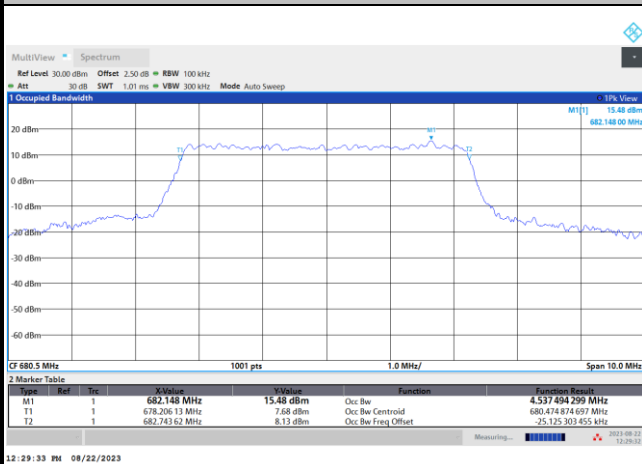
QPSK



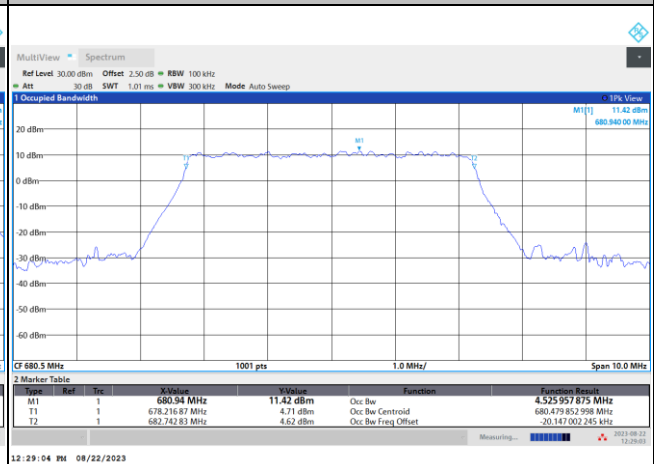
16QAM



64QAM



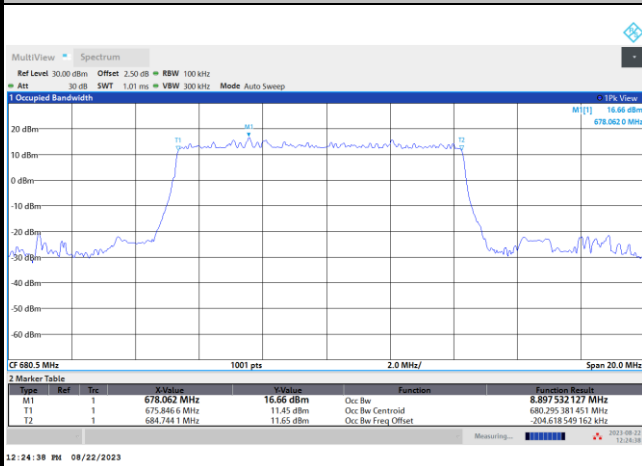
256QAM





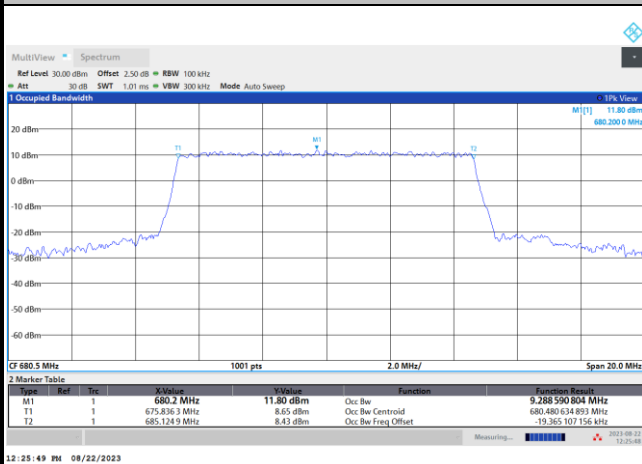
5G-FR1 SA n71 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

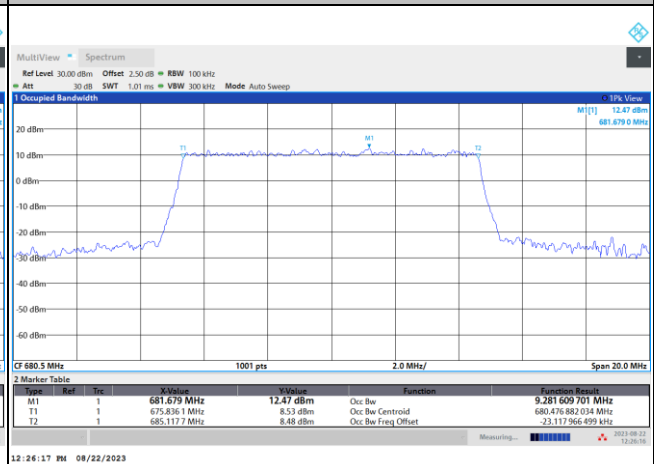


5G-FR1 SA n71 / 10MHz / CP OFDM / Middle Channel / Full RB

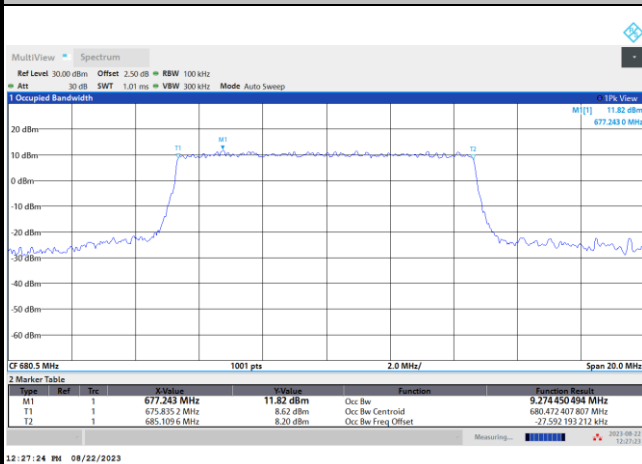
QPSK



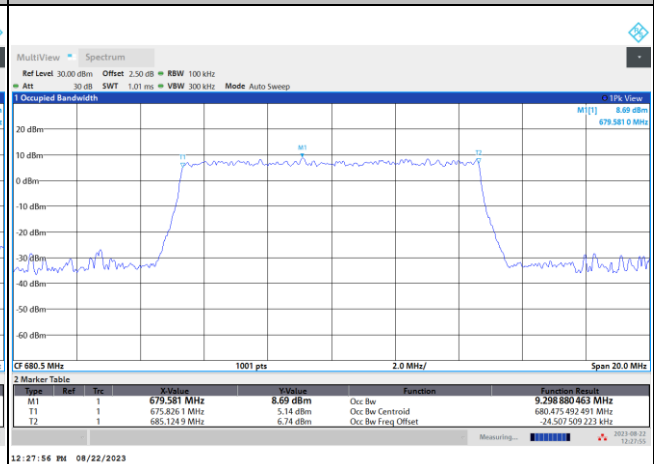
16QAM

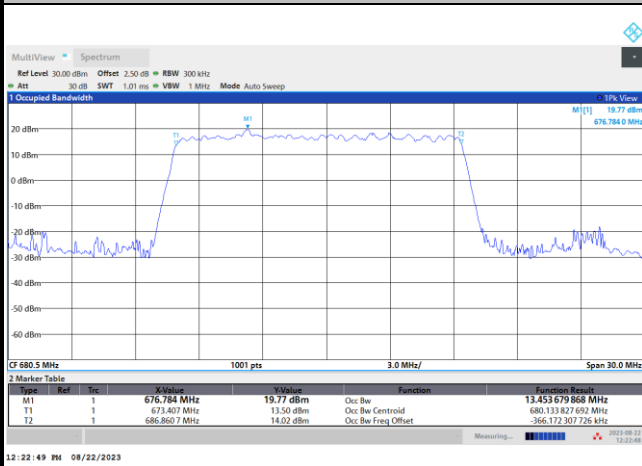
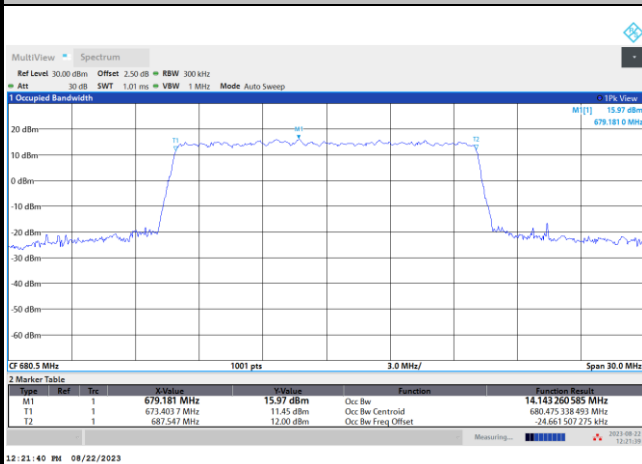
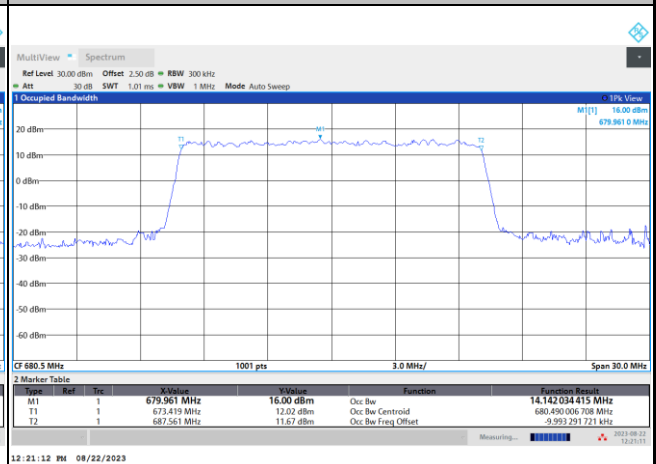
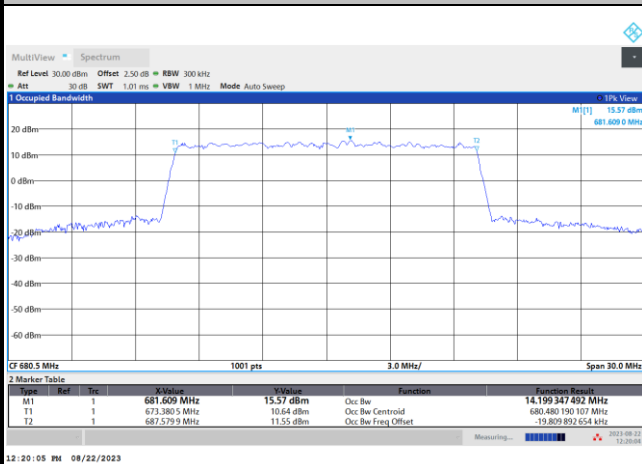
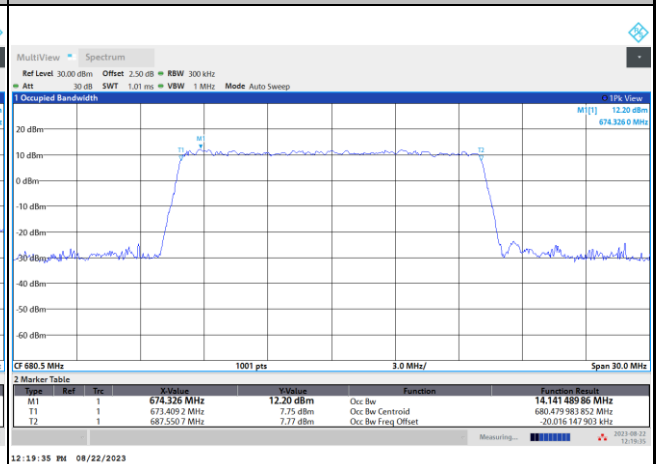


64QAM



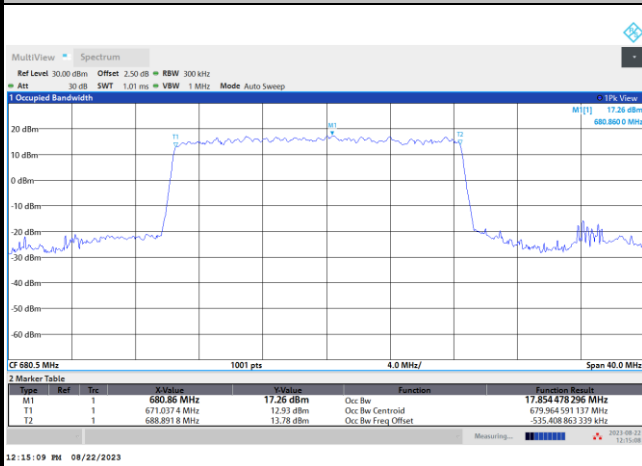
256QAM



5G-FR1 SA n71 / 15MHz / DFT-S OFDM / Middle Channel / Full RB
PI/2 BPSK

5G-FR1 SA n71 / 15MHz / CP OFDM / Middle Channel / Full RB
QPSK

16QAM

64QAM

256QAM


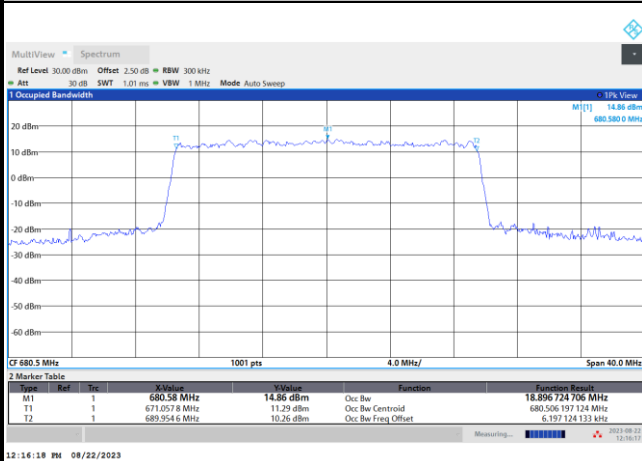
5G-FR1 SA n71 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

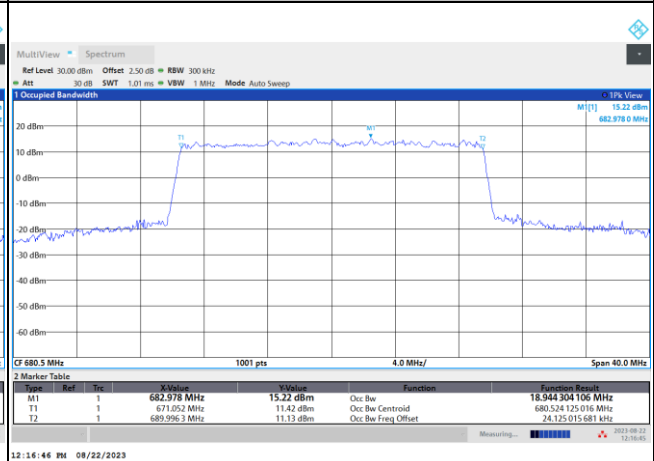


5G-FR1 SA n71 / 20MHz / CP OFDM / Middle Channel / Full RB

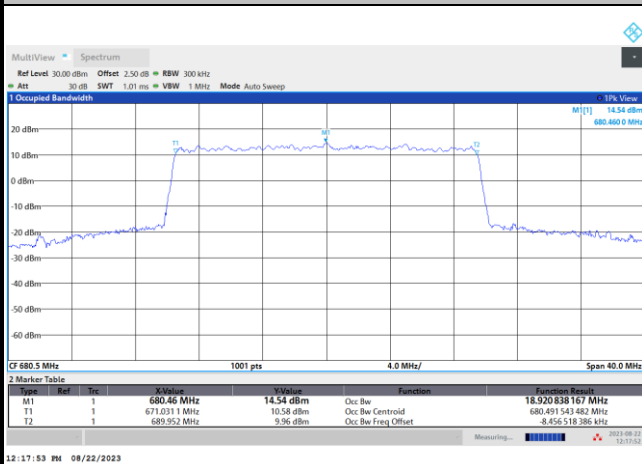
QPSK



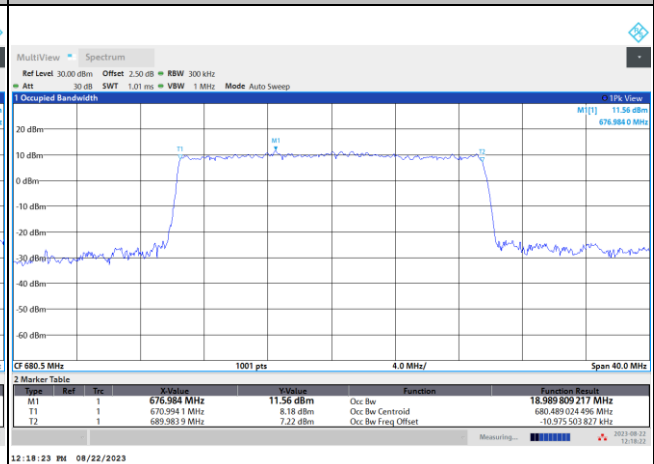
16QAM



64QAM



256QAM

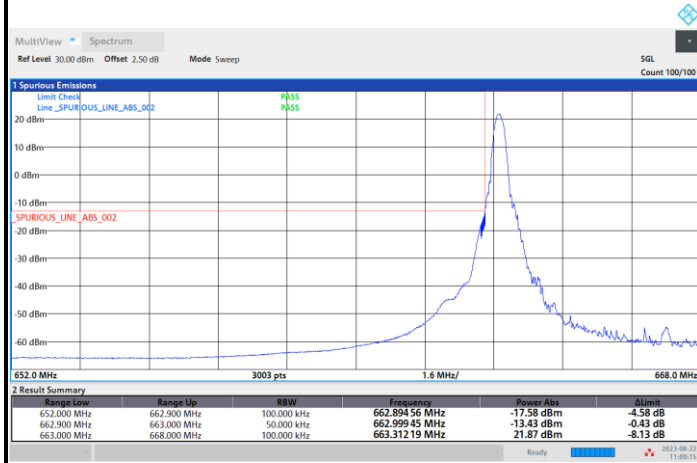




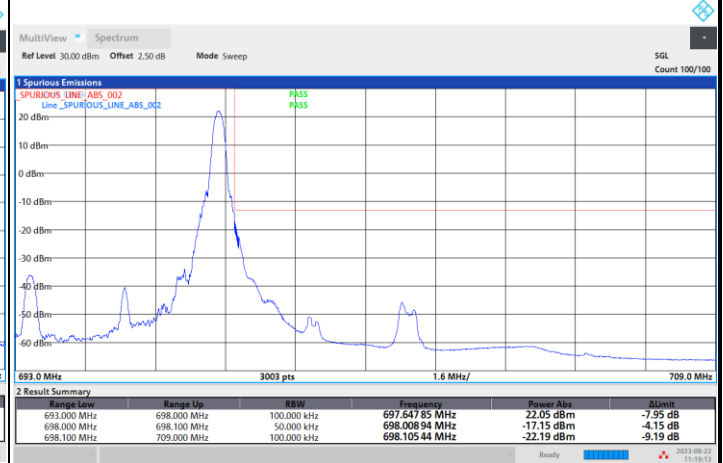
Conducted Band Edge

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

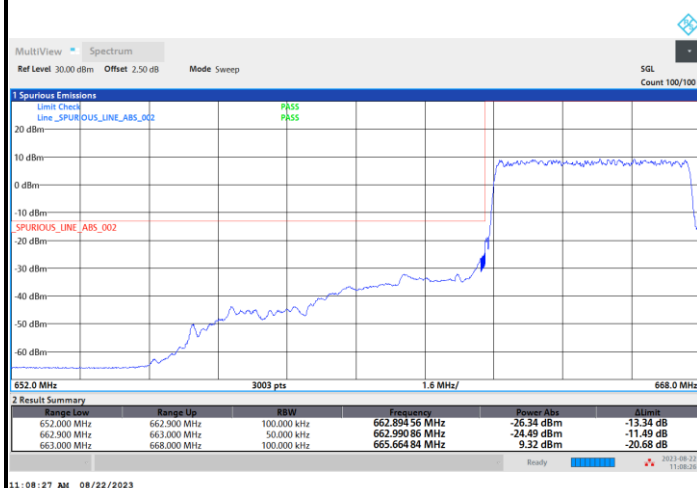
Lowest Band Edge / 1RB0



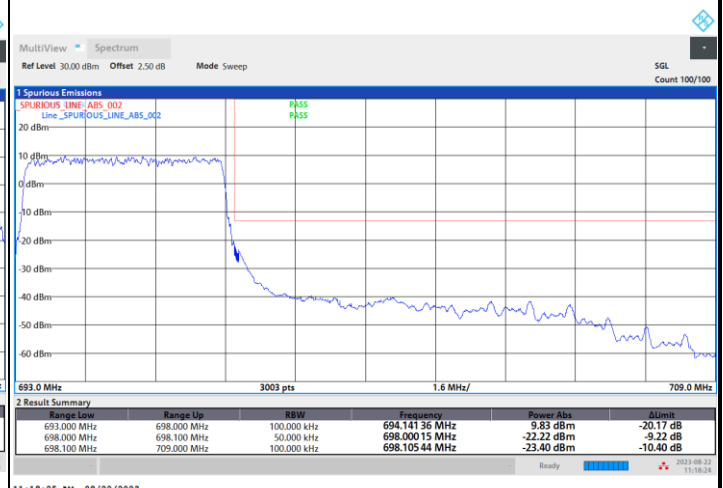
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

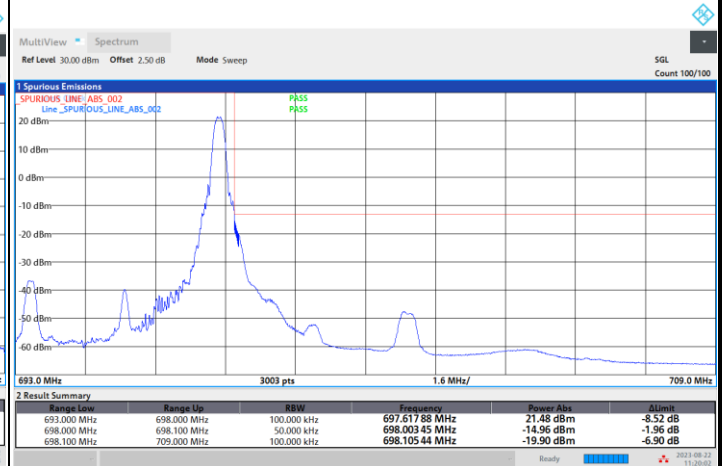
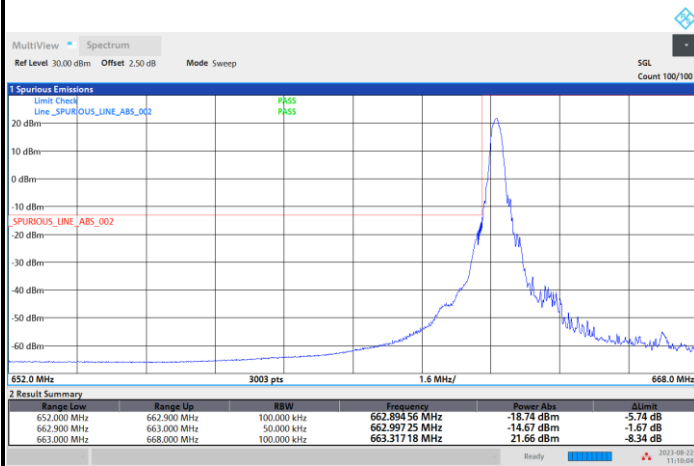




5G-FR1 SA n71 / 5MHz / DFT-S OFDM / QPSK

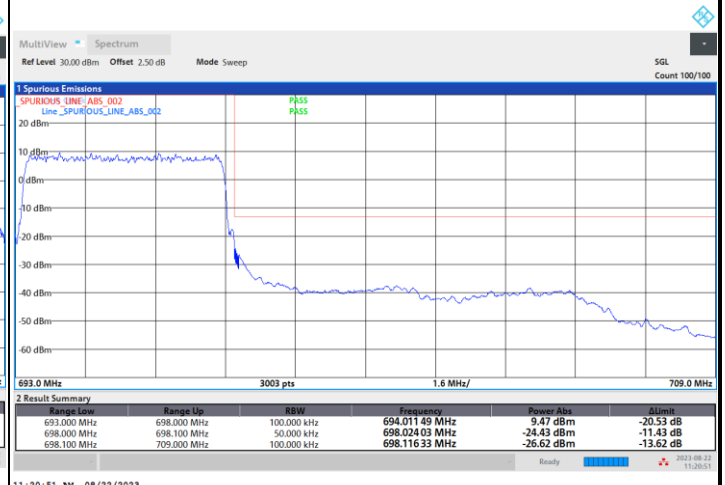
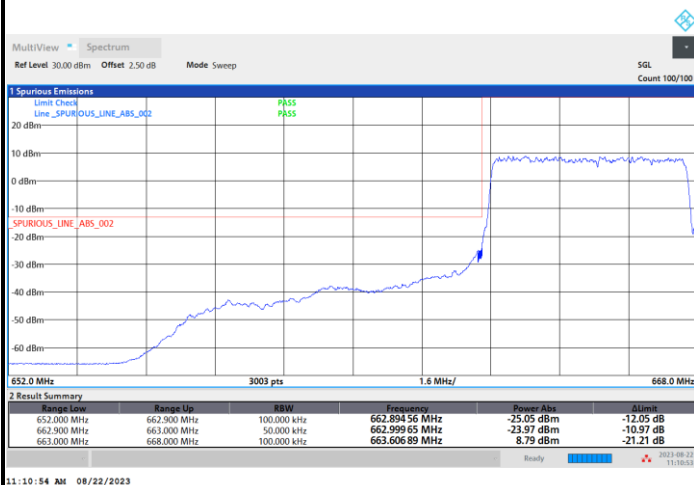
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

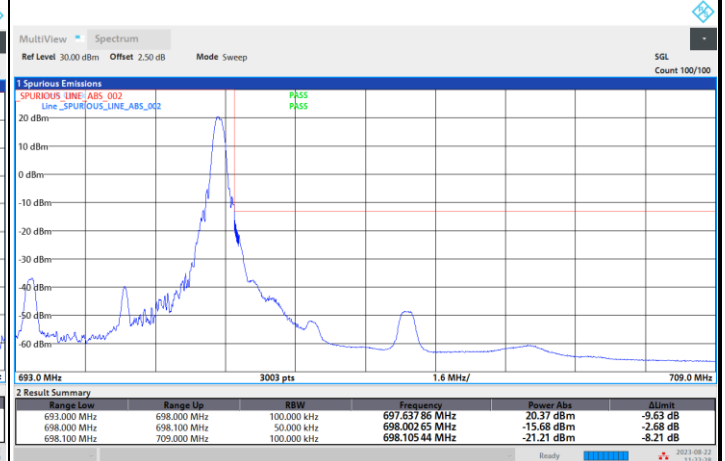
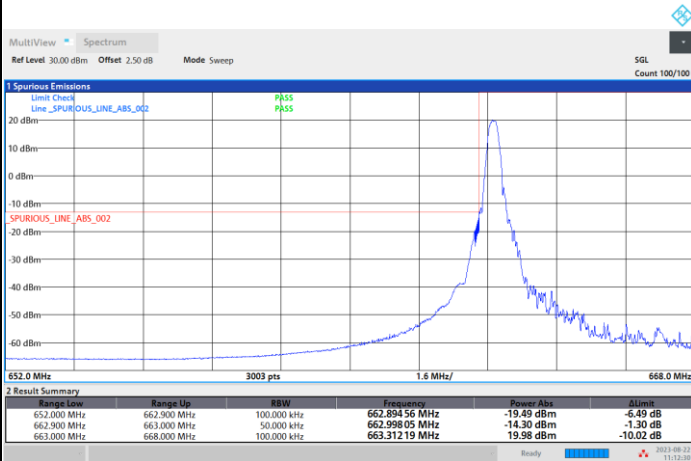




5G-FR1 SA n71 / 5MHz / DFT-S OFDM / 16QAM

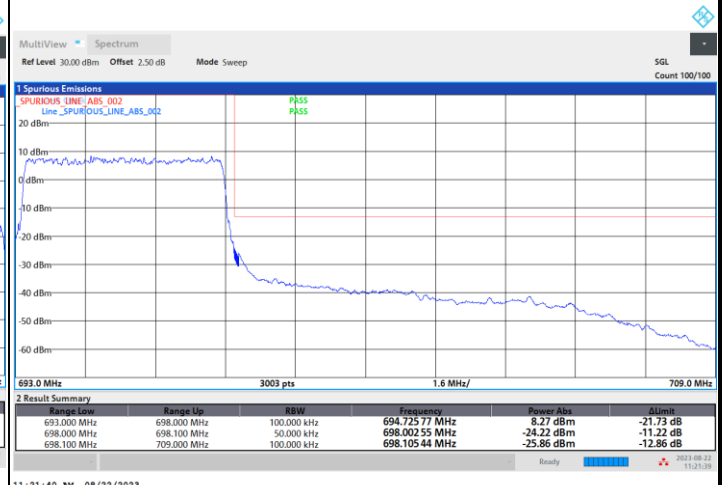
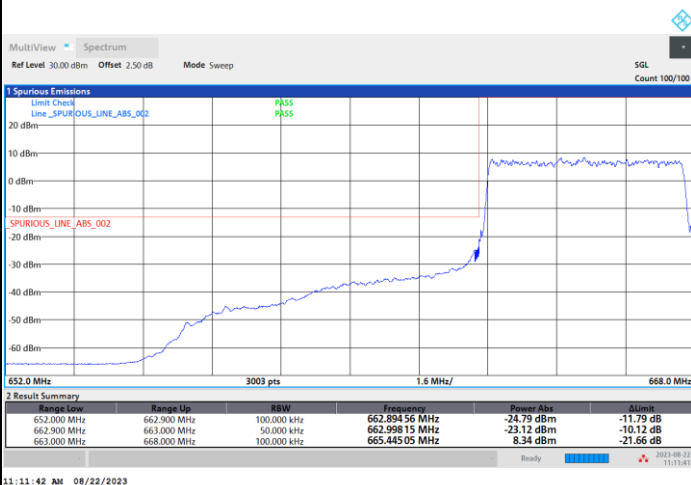
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

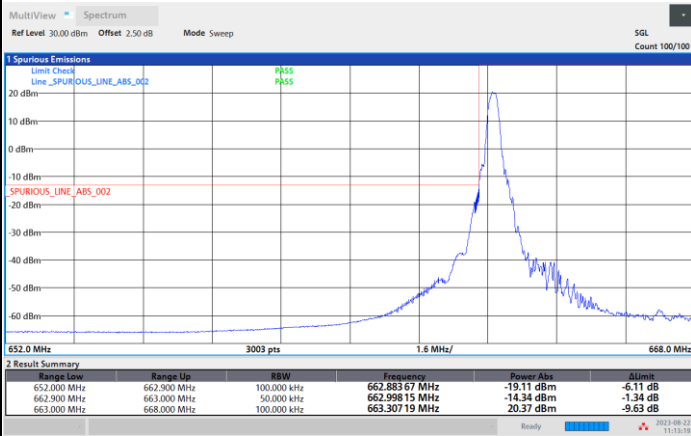




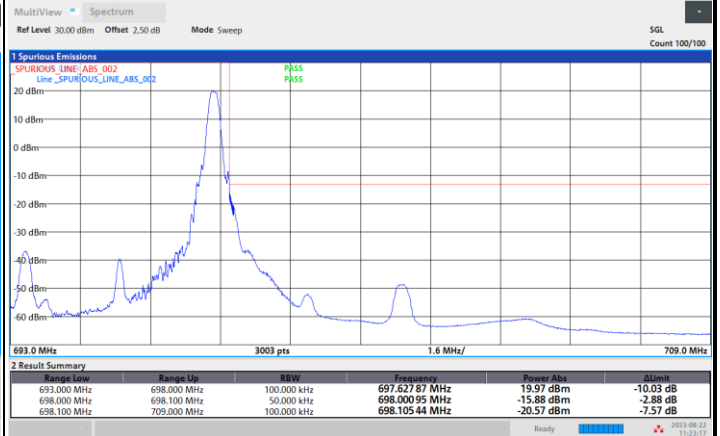
5G-FR1 SA n71 / 5MHz / DFT-S OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



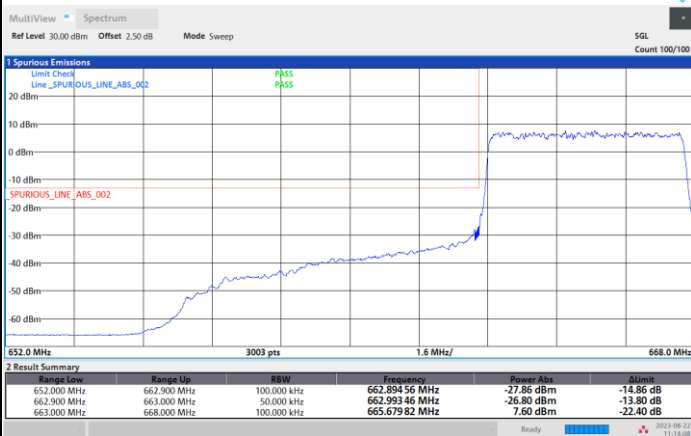
11:13:20 AM 08/22/2023



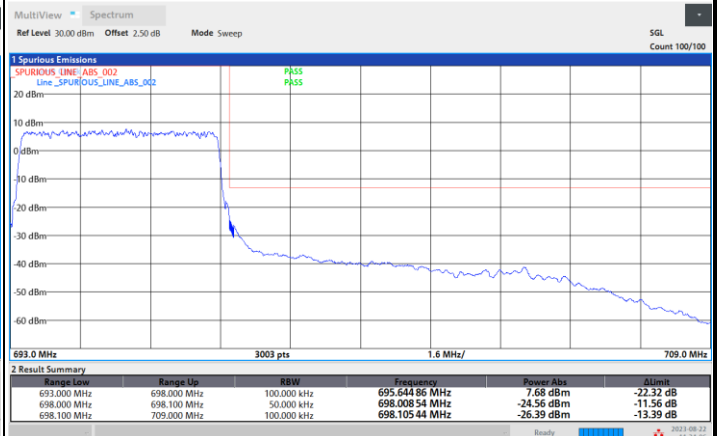
11:23:17 AM 08/22/2023

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



11:14:09 AM 08/22/2023



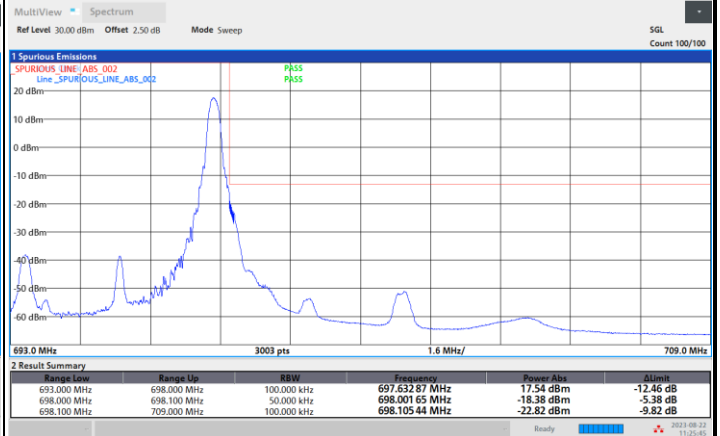
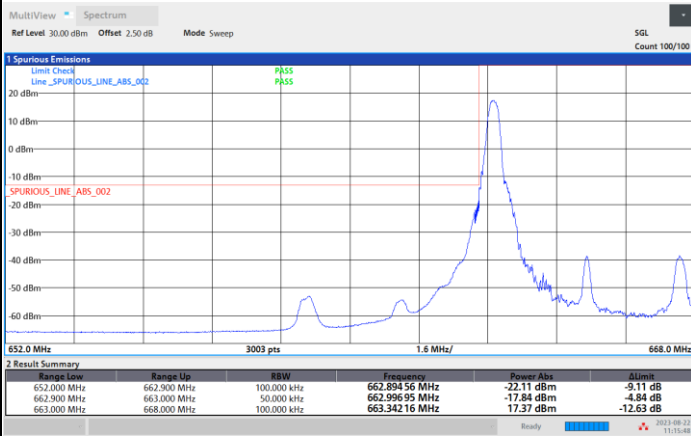
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5G-FR1 SA n71 / 5MHz / DFT-S OFDM / 256QAM

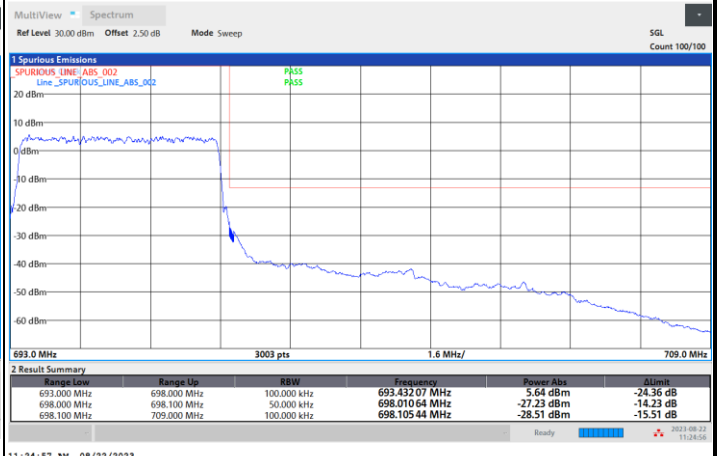
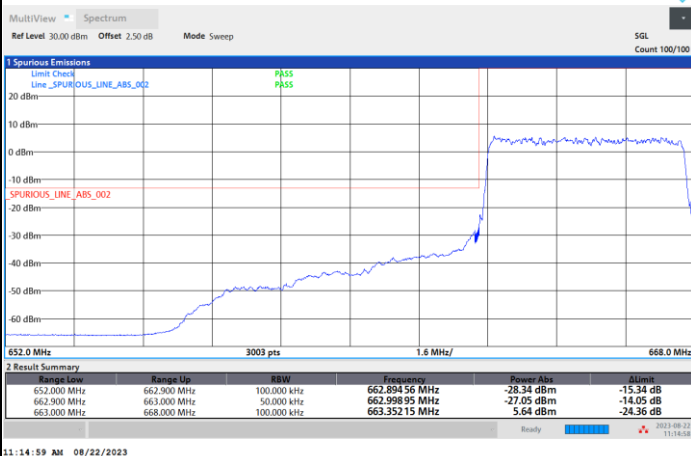
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

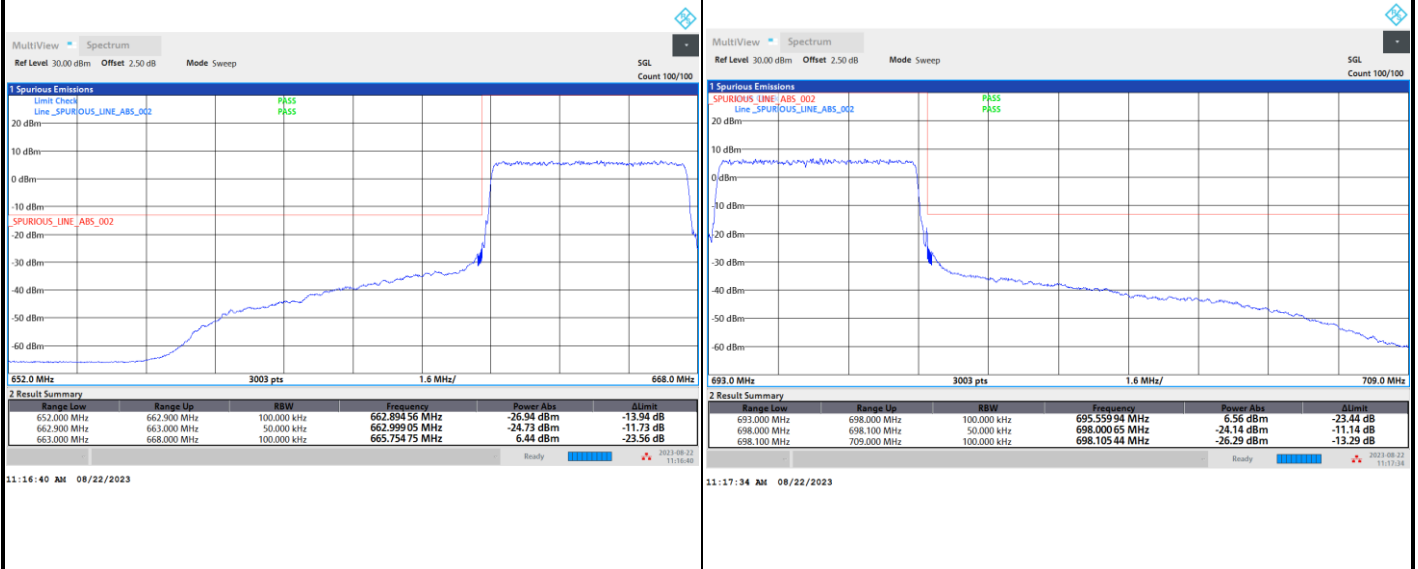




5G-FR1 SA n71 / 5MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge

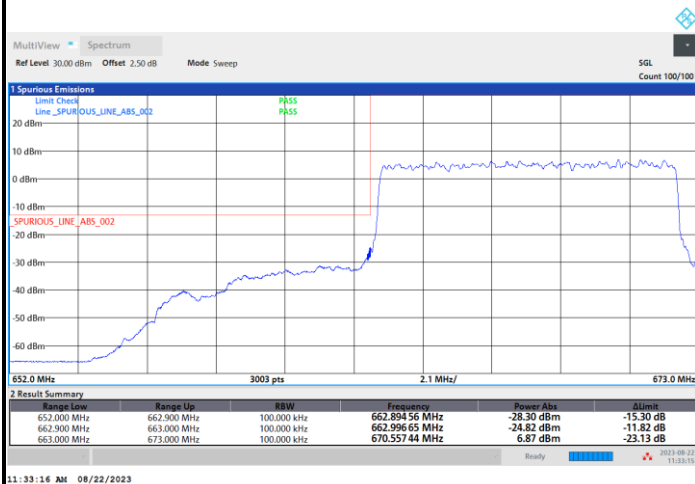
Highest Band Edge



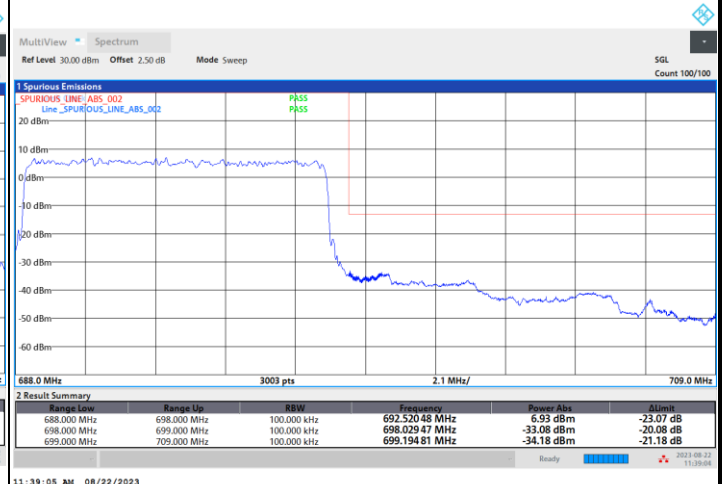


5G-FR1 SA n71 / 10MHz / DFT-s-OFDM / PI/2 BPSK / Full RB

Lowest Band Edge

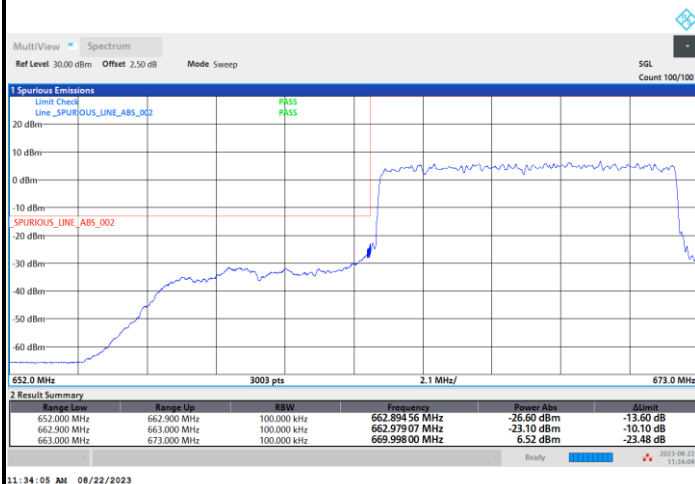


Highest Band Edge

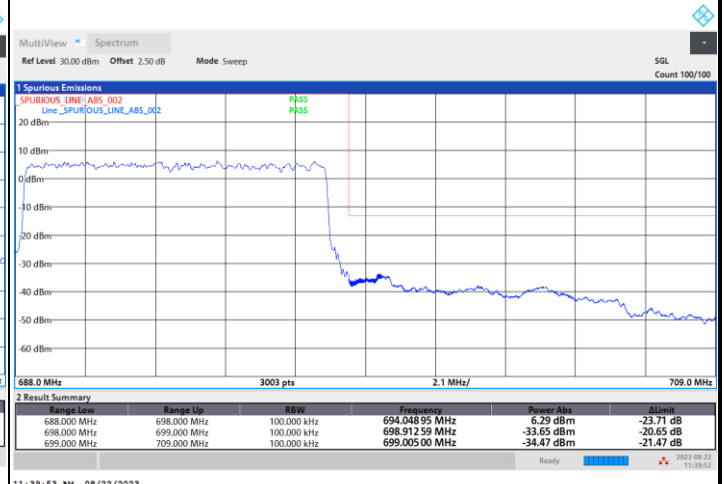


5G-FR1 SA n71 / 10MHz / DFT-s-OFDM / QPSK / Full RB

Lowest Band Edge



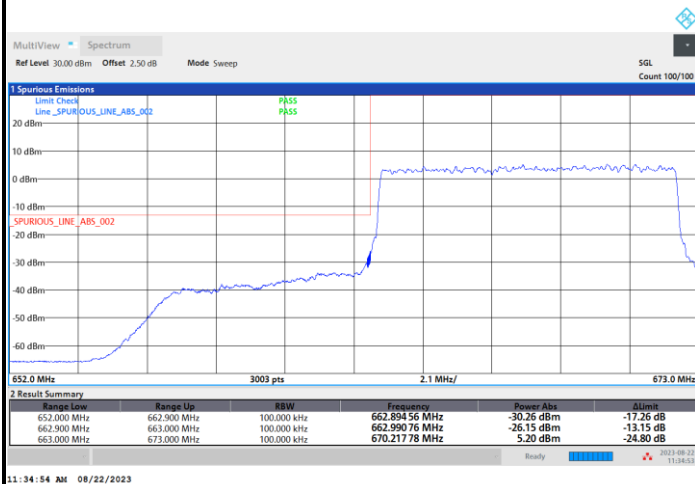
Highest Band Edge





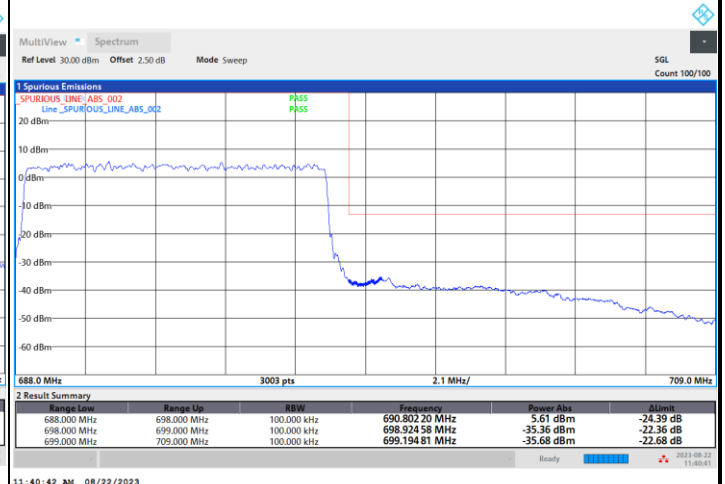
5G-FR1 SA n71 / 10MHz / DFT-s-OFDM / 16QAM / Full RB

Lowest Band Edge



11:34:54 AM 08/22/2023

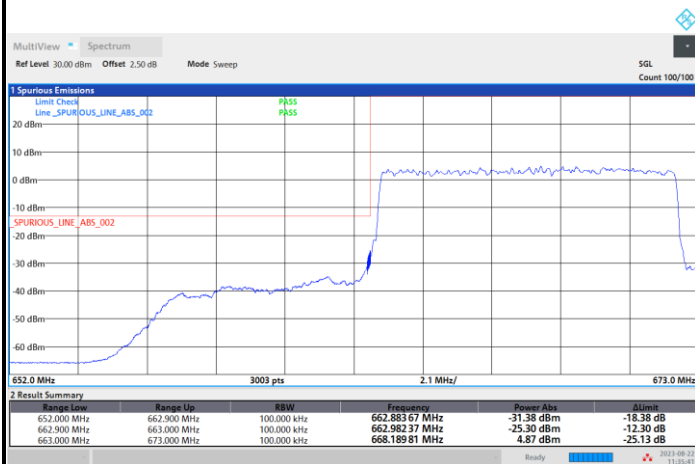
Highest Band Edge



11:40:42 AM 08/22/2023

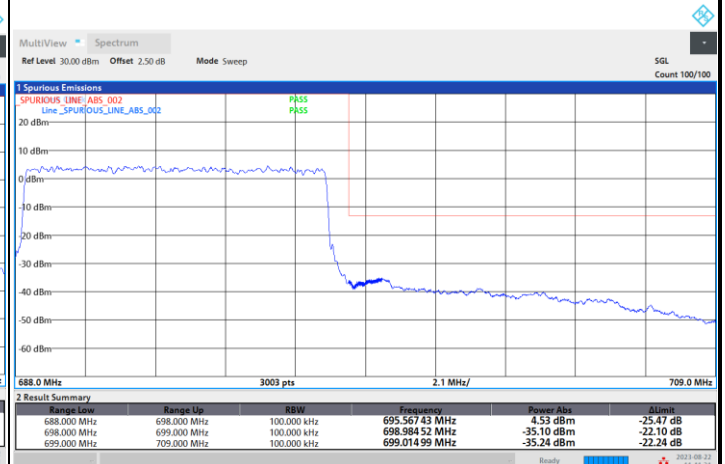
5G-FR1 SA n71 / 10MHz / DFT-s-OFDM / 64QAM / Full RB

Lowest Band Edge



11:35:42 AM 08/22/2023

Highest Band Edge



11:41:31 AM 08/22/2023