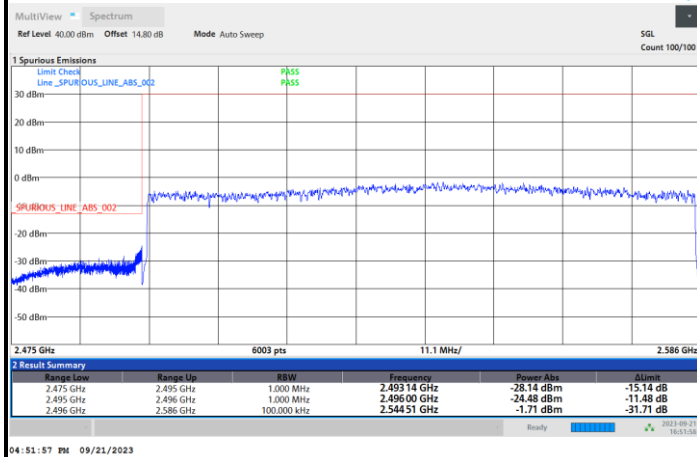


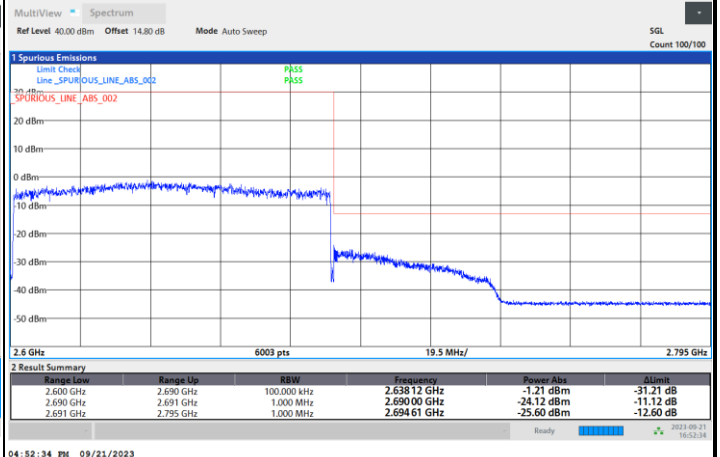


5G-FR1 SA UL MIMO n41 (PC2) / 90MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

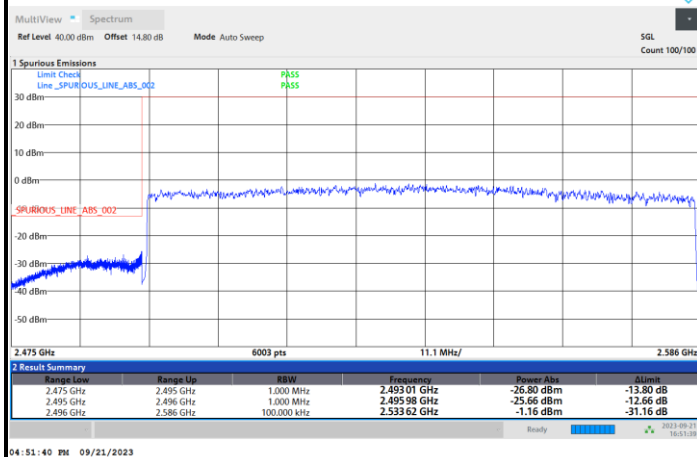


Highest Band Edge / Full RB

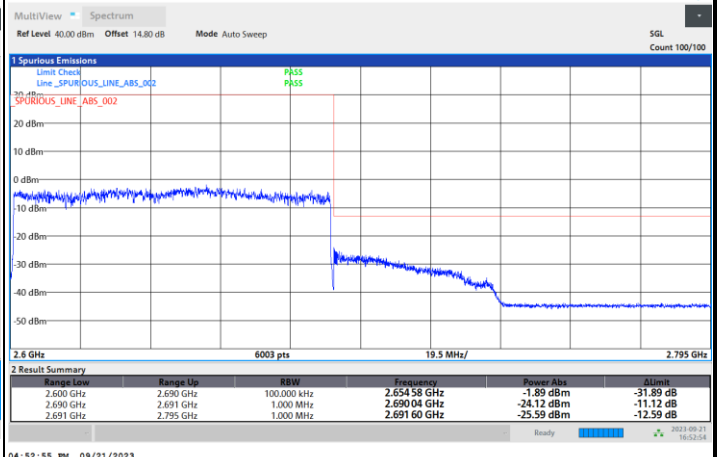


5G-FR1 SA UL MIMO n41 (PC2) / 90MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



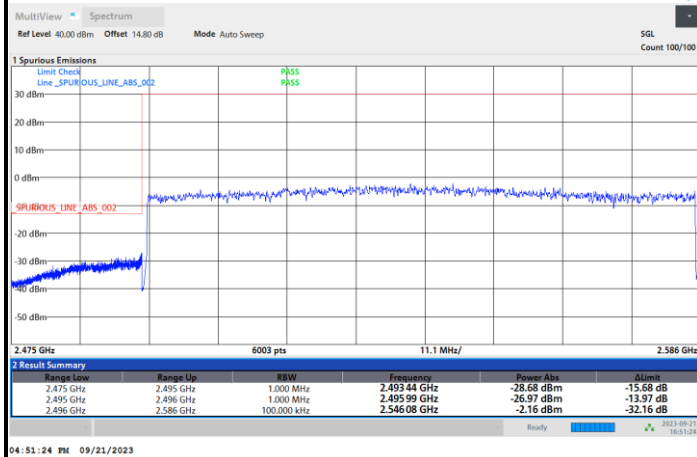
Highest Band Edge / Full RB



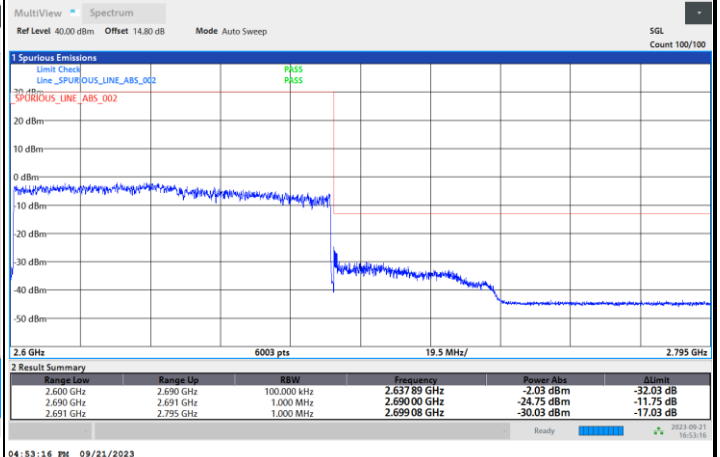


5G-FR1 SA UL MIMO n41 (PC2) / 90MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

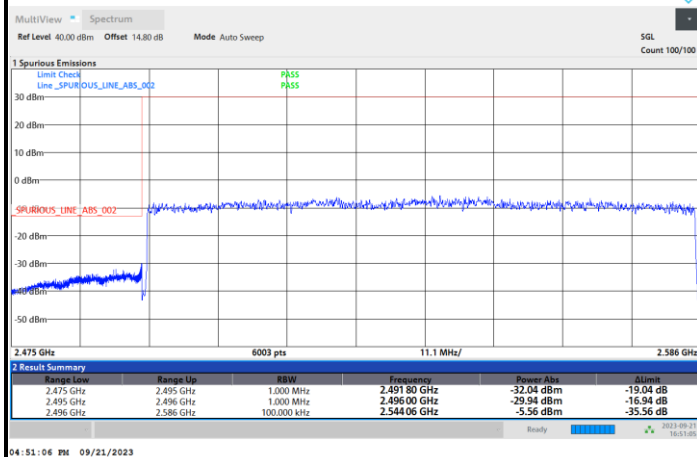


Highest Band Edge / Full RB

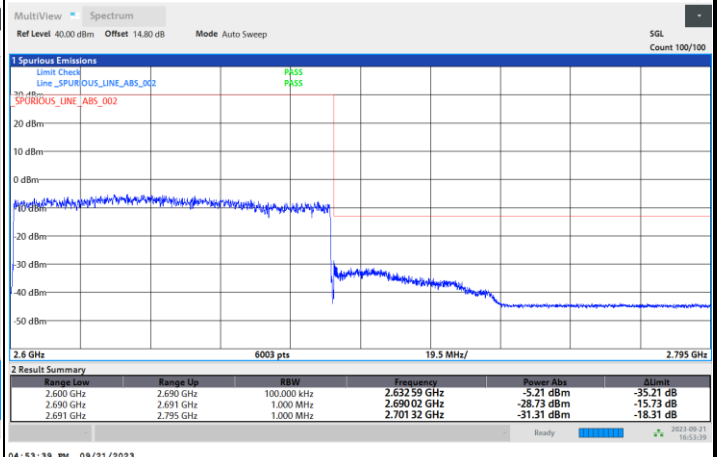


5G-FR1 SA UL MIMO n41 (PC2) / 90MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



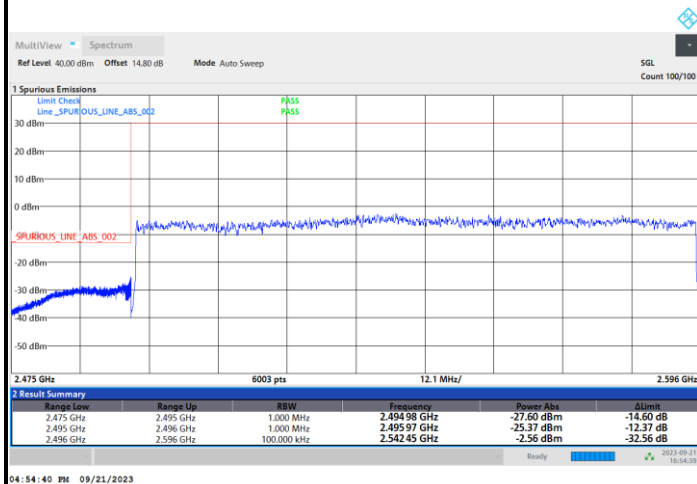
Highest Band Edge / Full RB



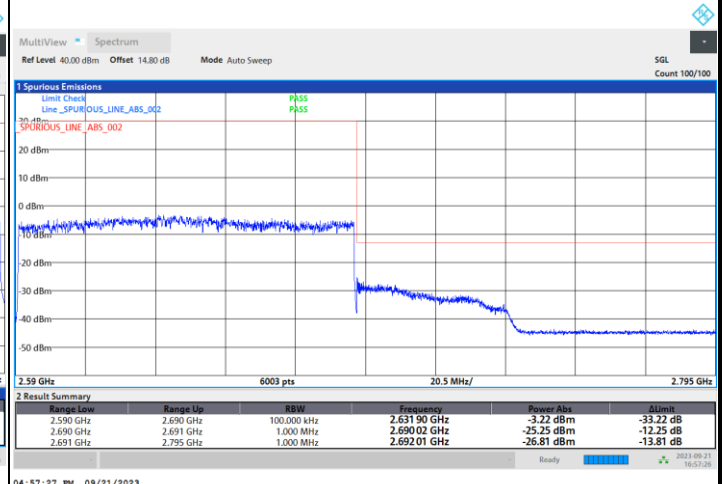


5G-FR1 SA UL MIMO n41 (PC2) / 100MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

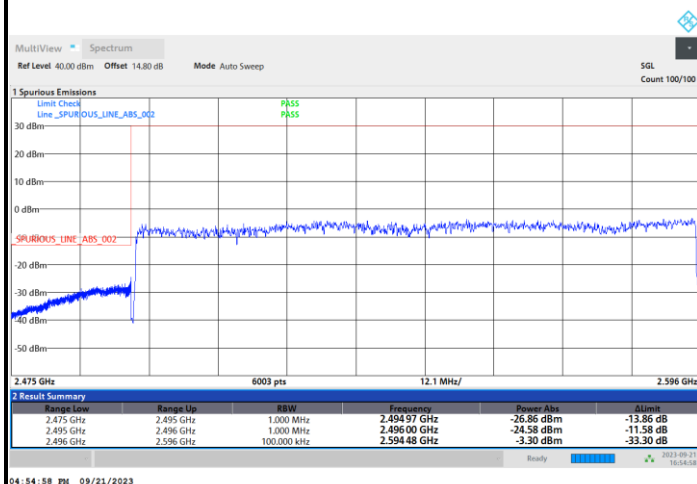


Highest Band Edge / Full RB

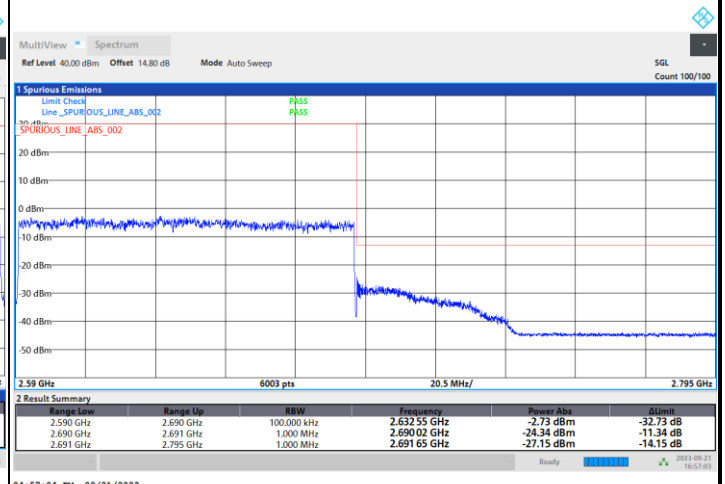


5G-FR1 SA UL MIMO n41 (PC2) / 100MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



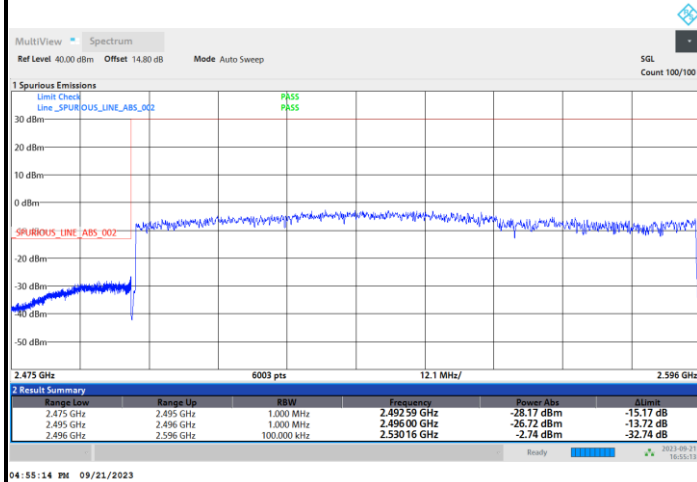
Highest Band Edge / Full RB



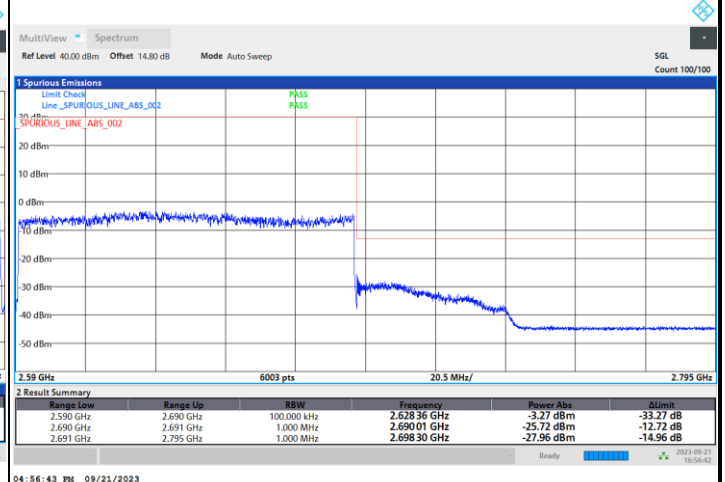


5G-FR1 SA UL MIMO n41 (PC2) / 100MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

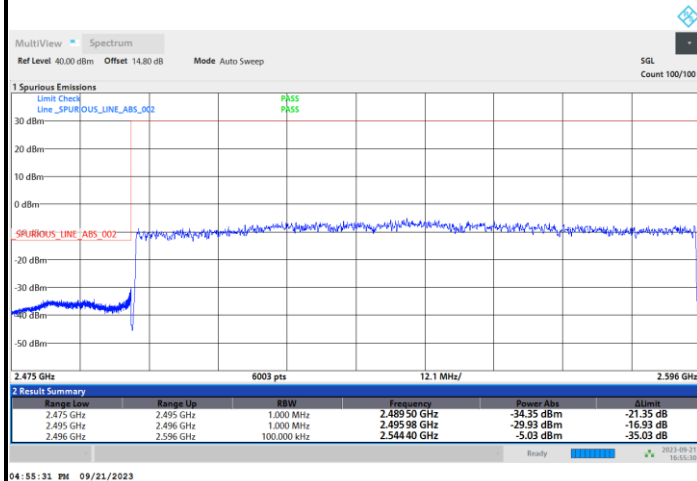


Highest Band Edge / Full RB

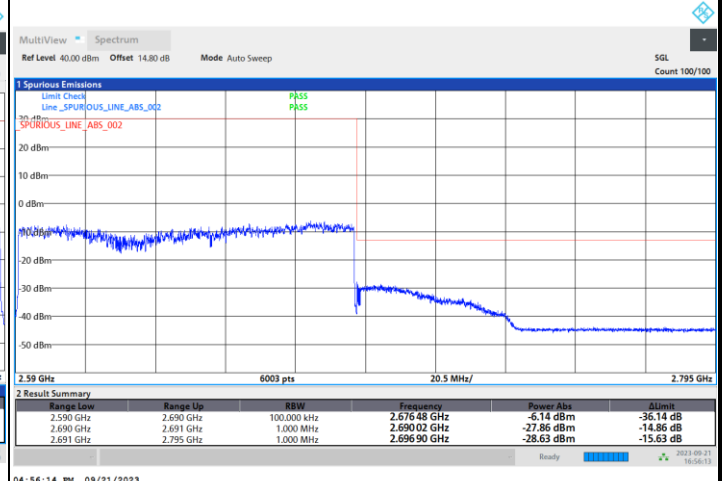


5G-FR1 SA UL MIMO n41 (PC2) / 100MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

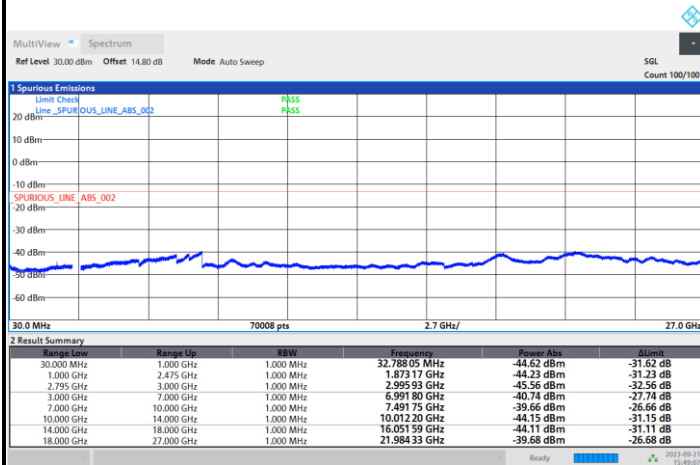




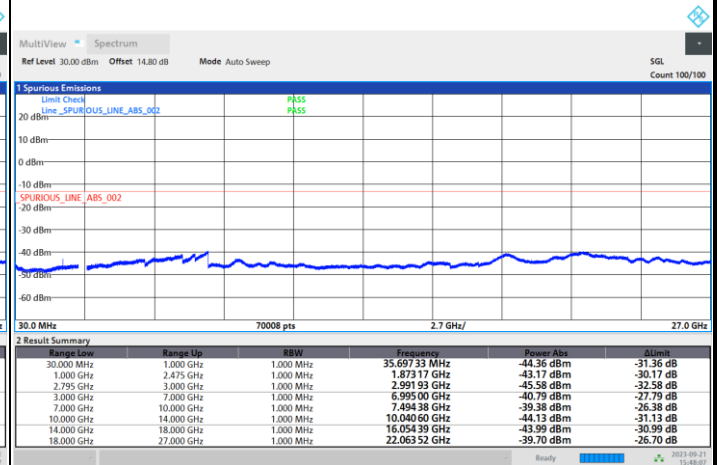
Conducted Spurious Emission

5G-FR1 SA UL MIMO n41 (PC2) / 10MHz / CP OFDM / QPSK / 1RB1

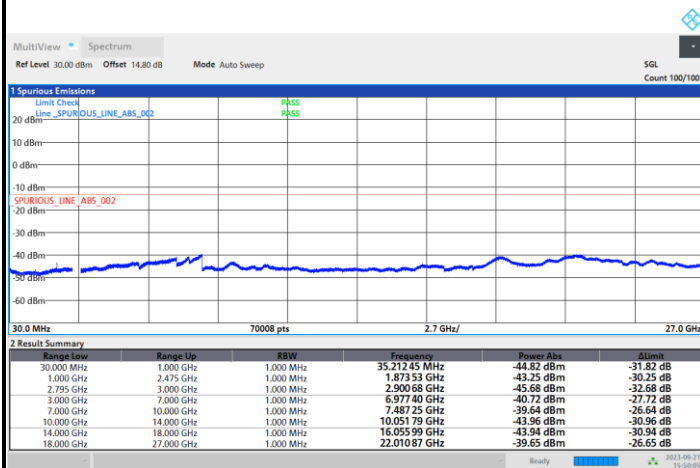
Lowest Channel



Middle Channel



Highest Channel



Frequency Stability

Test Conditions		5G-FR1 SA UL MIMO n41 (PC2) (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0061	PASS
40	Normal Voltage	0.0044	
30	Normal Voltage	0.0068	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0057	
0	Normal Voltage	0.0023	
-10	Normal Voltage	0.0027	
-20	Normal Voltage	0.0055	
-30	Normal Voltage	0.0023	
20	Maximum Voltage	0.0050	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0029	

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.

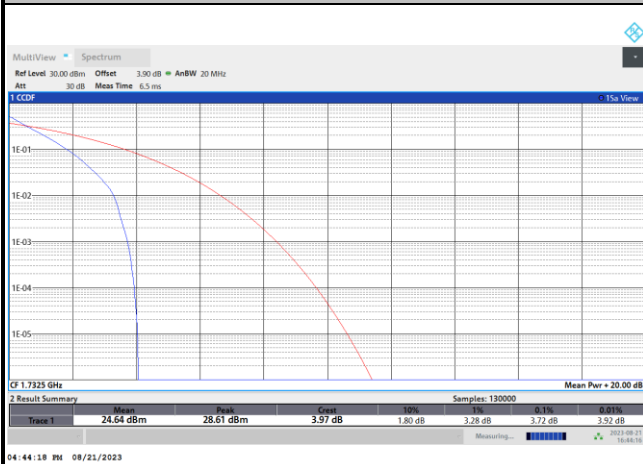
**5G-FR1 SA n66****Peak-to-Average Ratio**

Mode	5G-FR1 SA n66 / 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	3.72	4.36	5.34	5.78	PASS
Mode	5G-FR1 SA n66 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.70				PASS

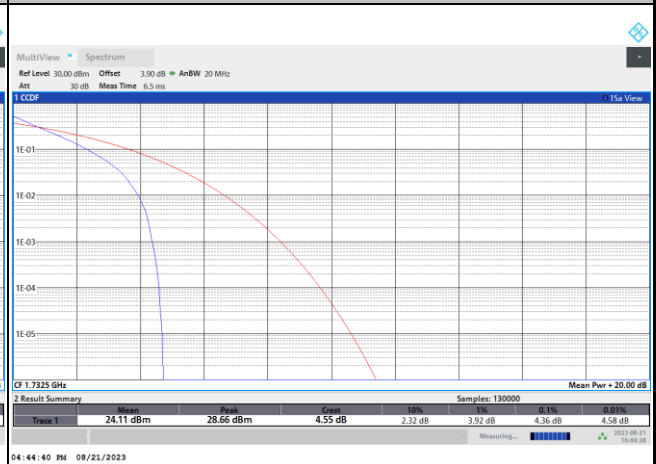


5G-FR1 SA n66 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

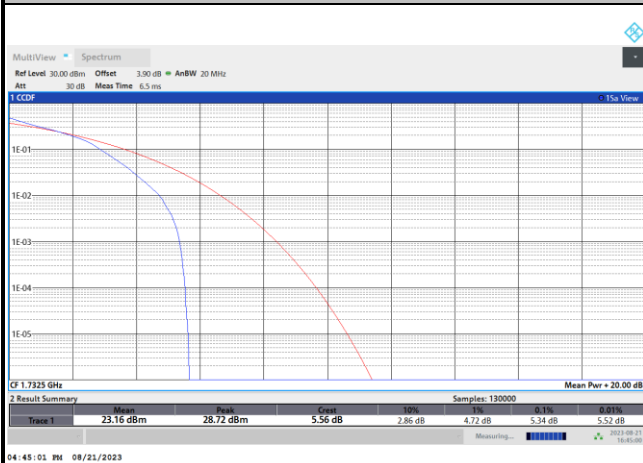
PI/2 BPSK



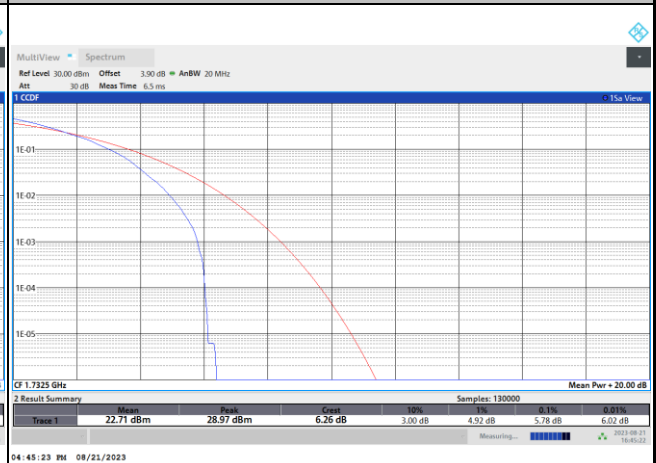
QPSK



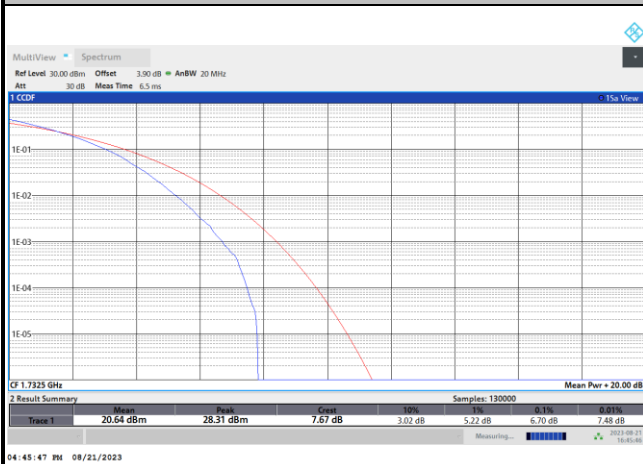
16QAM



64QAM



256QAM



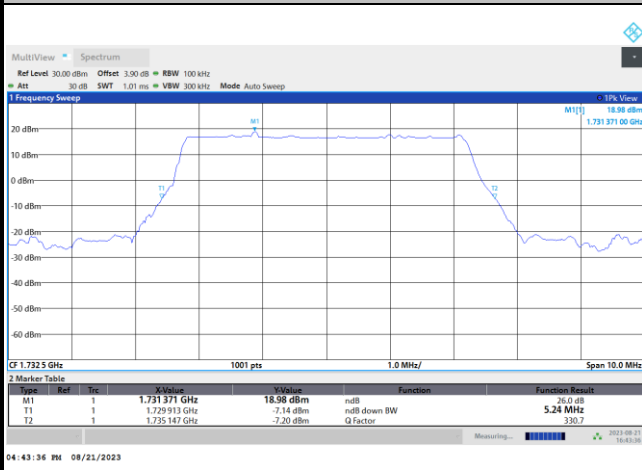
26dB Bandwidth

Mode	5G-FR1 SA n66 : 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	5.24		9.69		14.51		19.14	
BW	25MHz		30MHz		35MHz		40MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	24.13		29.79		33.36		41.24	

Mode	5G-FR1 SA n66 : 26dB BW(MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	5.22	5.27	10.23	10.13	15.38	15.38	20.14	20.30
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	5.23	5.34	10.17	10.15	15.35	15.41	20.22	20.18
BW	25MHz		30MHz		35MHz		40MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	25.03	25.13	29.91	29.91	34.90	34.97	41.24	41.24
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	25.03	24.98	29.91	29.97	34.97	34.69	41.24	41.16

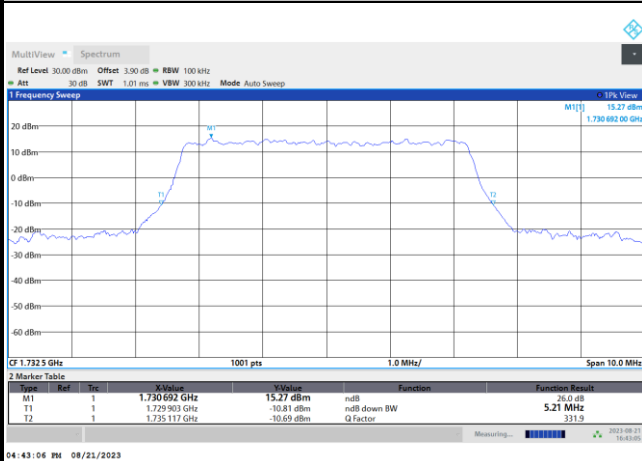
5G-FR1 SA n66 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

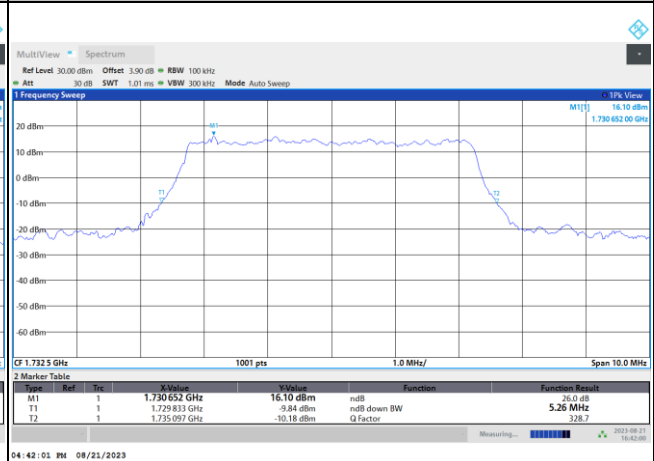


5G-FR1 SA n66 / 5MHz / CP OFDM / Middle Channel / Full RB

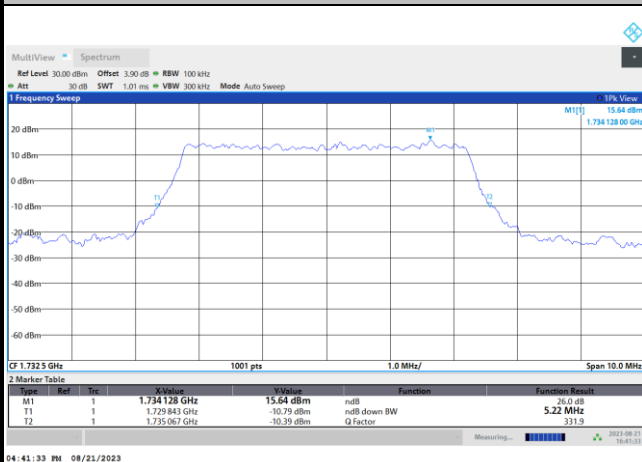
QPSK



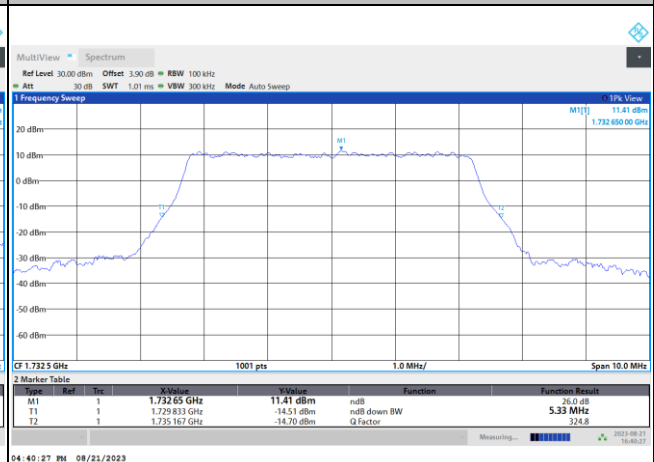
16QAM



64QAM



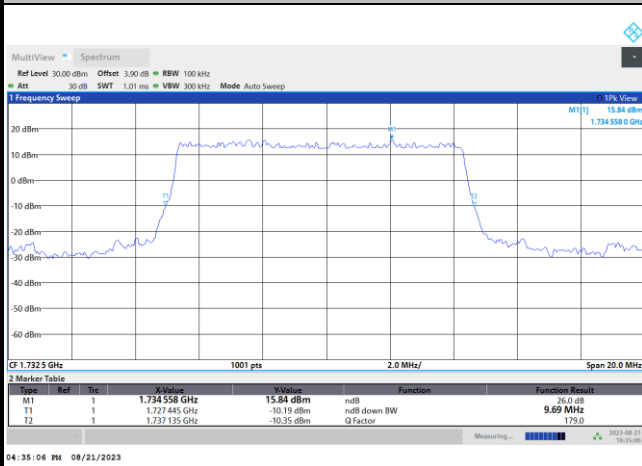
256QAM





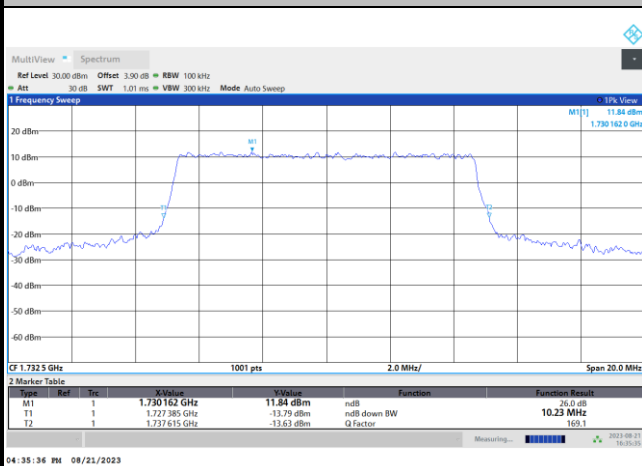
5G-FR1 SA n66 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

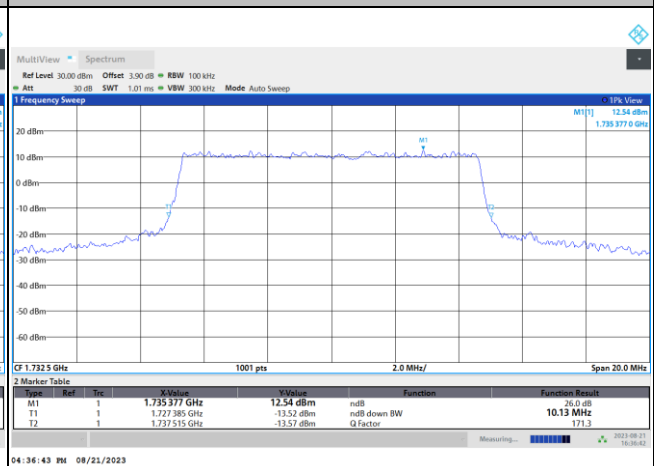


5G-FR1 SA n66 / 10MHz / CP OFDM / Middle Channel / Full RB

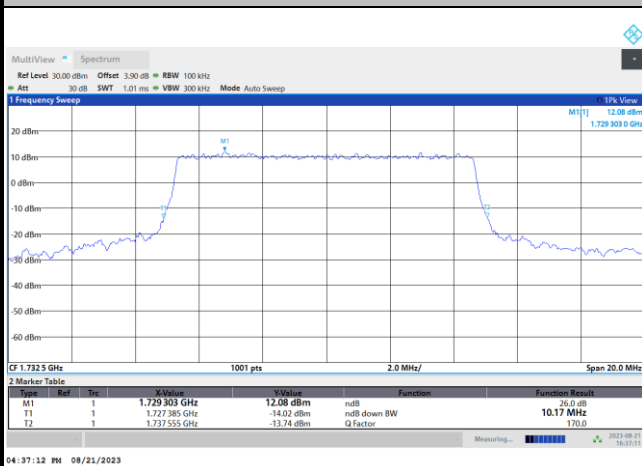
QPSK



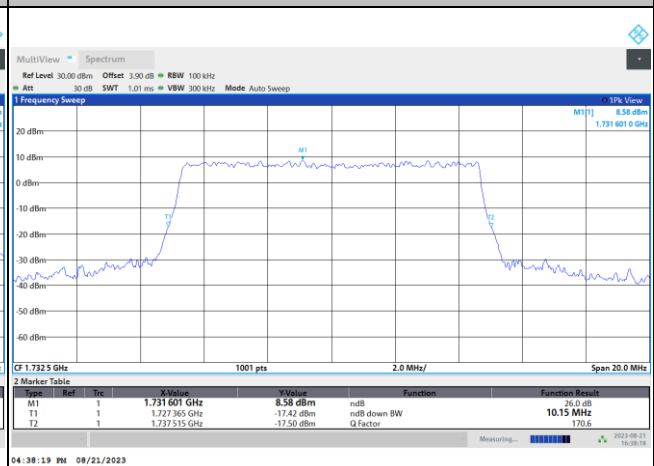
16QAM

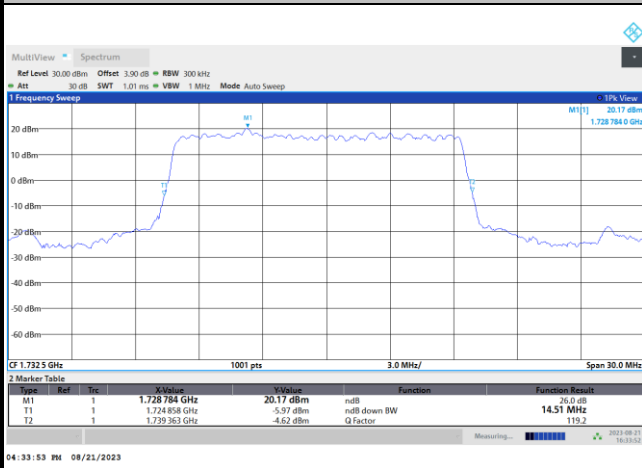
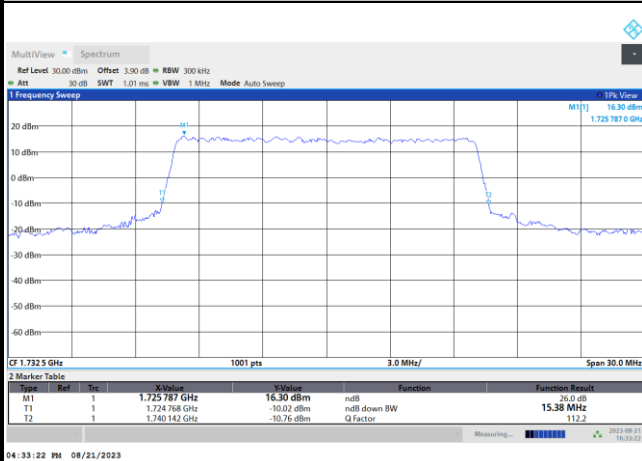
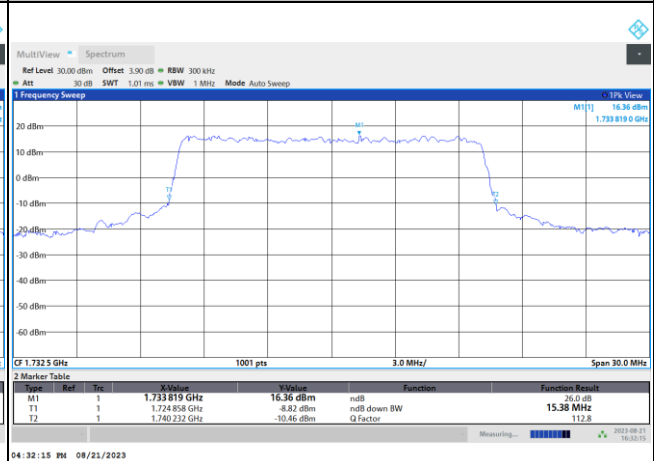
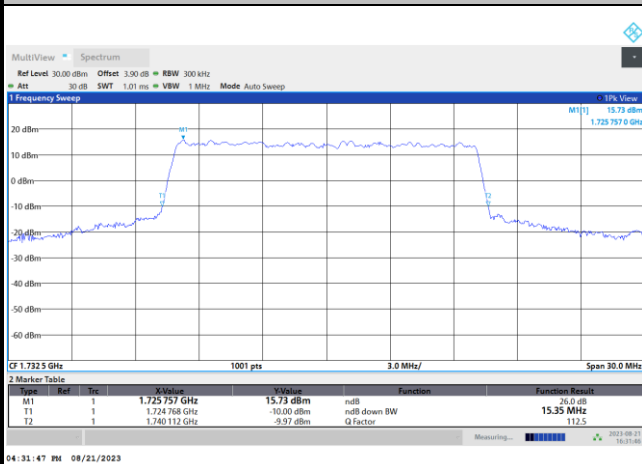
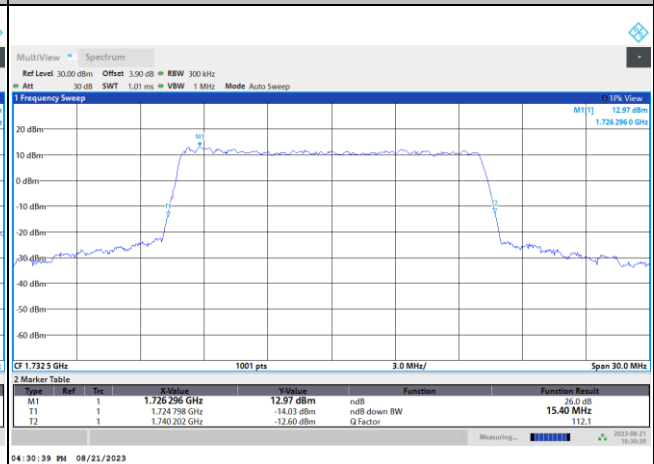


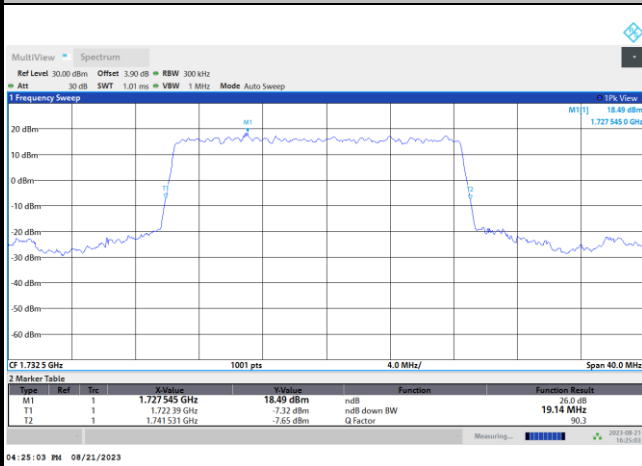
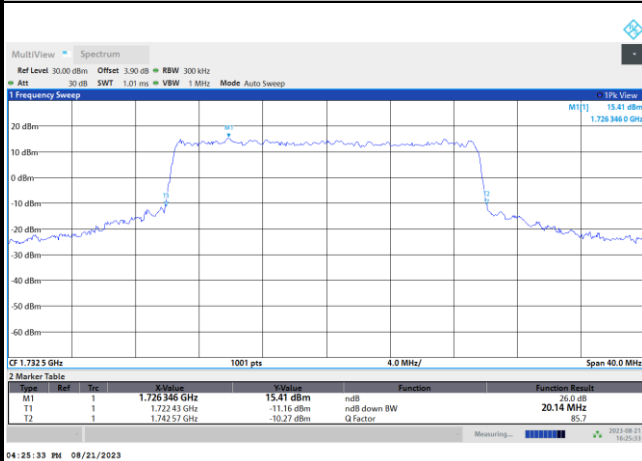
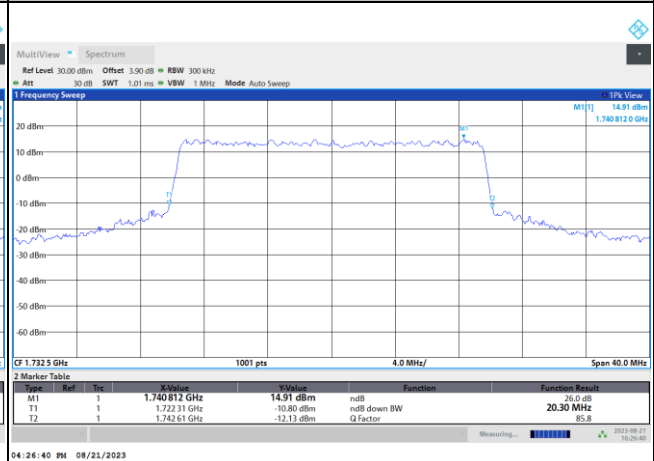
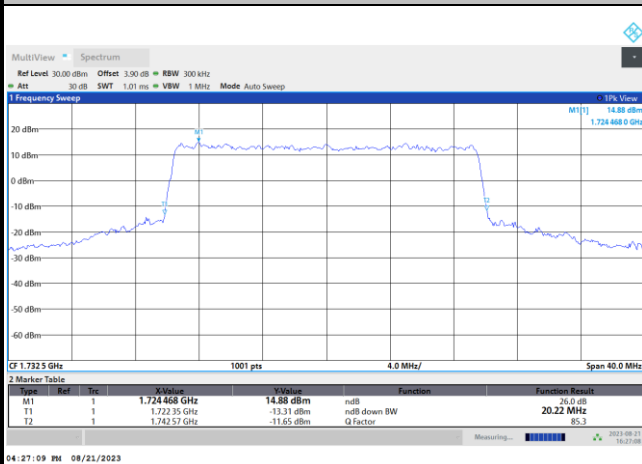
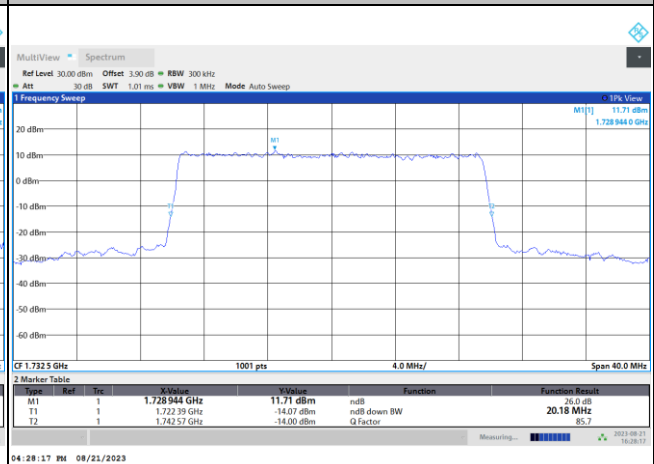
64QAM

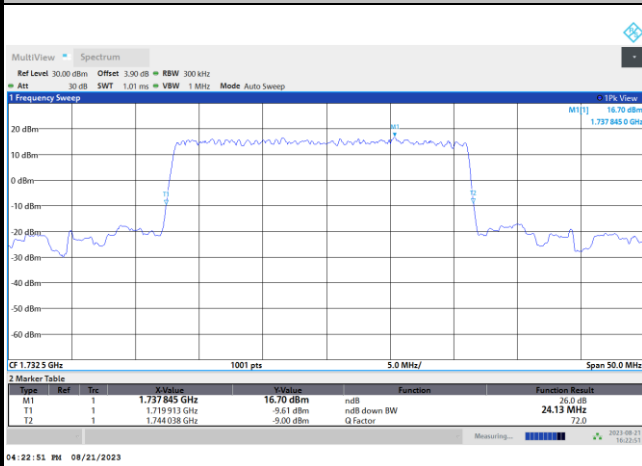
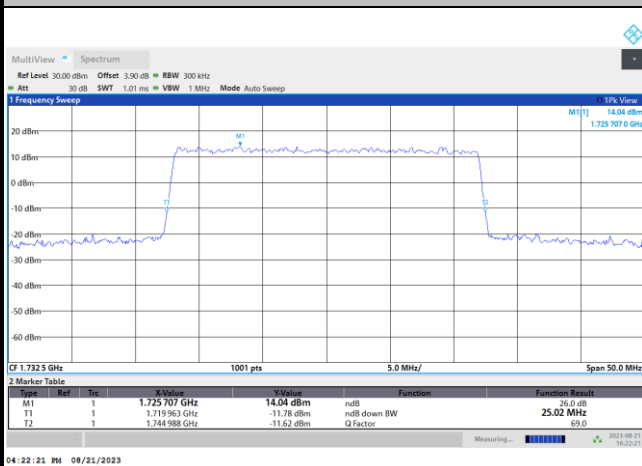
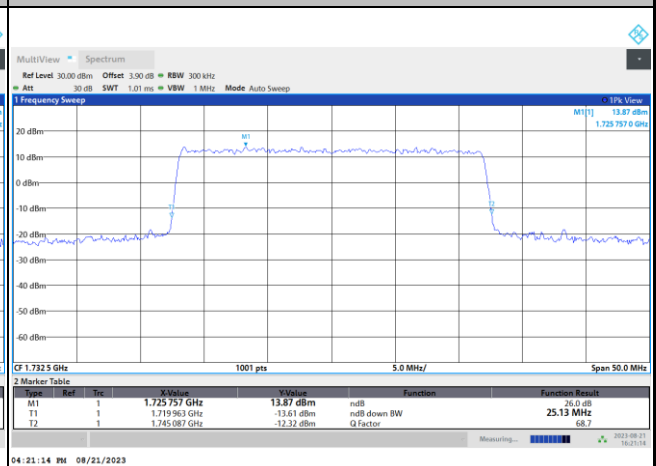
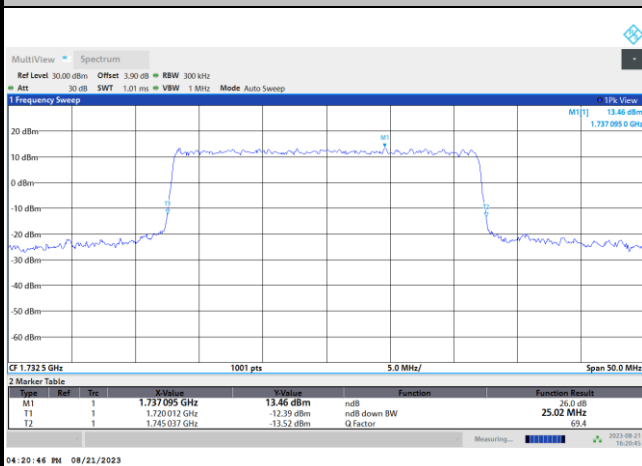
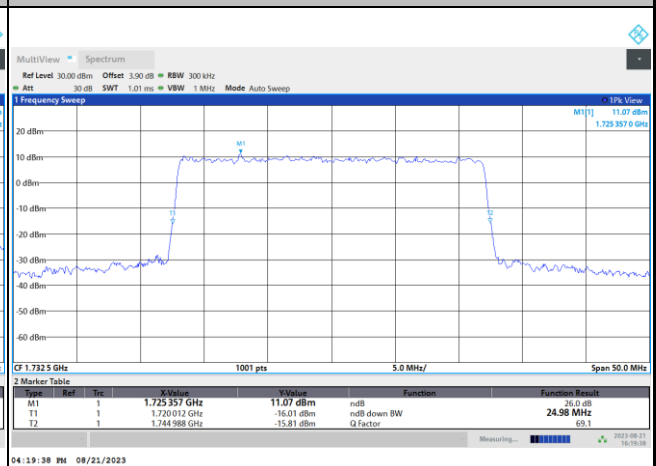


256QAM



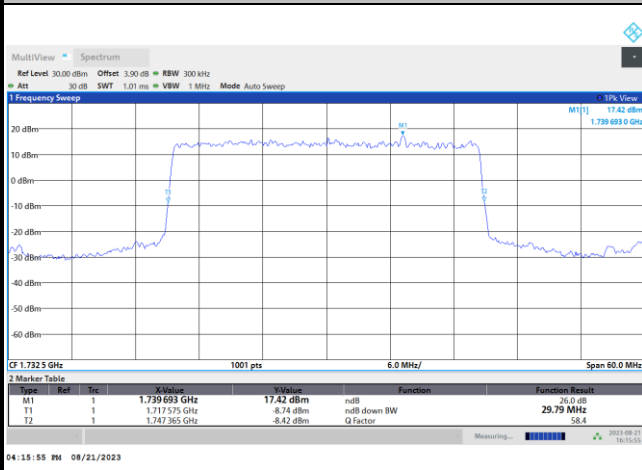
5G-FR1 SA n66 / 15MHz / DFT-S OFDM / Middle Channel / Full RB
PI/2 BPSK

5G-FR1 SA n66 / 15MHz / CP OFDM / Middle Channel / Full RB
QPSK

16QAM

64QAM

256QAM


5G-FR1 SA n66 / 20MHz / DFT-S OFDM / Middle Channel / Full RB
PI/2 BPSK

5G-FR1 SA n66 / 20MHz / CP OFDM / Middle Channel / Full RB
QPSK

16QAM

64QAM

256QAM


5G-FR1 SA n66 / 25MHz / DFT-S OFDM / Middle Channel / Full RB
PI/2 BPSK

5G-FR1 SA n66 / 25MHz / CP OFDM / Middle Channel / Full RB
QPSK

16QAM

64QAM

256QAM


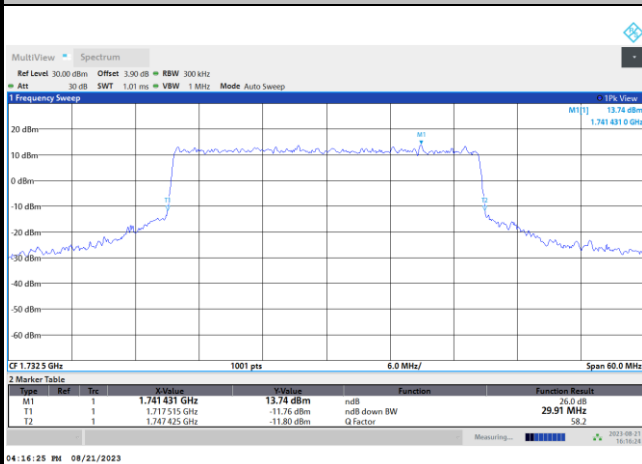
5G-FR1 SA n66 / 30MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

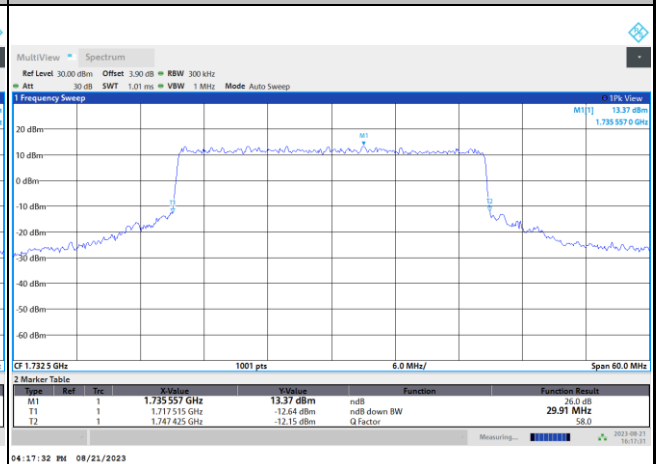


5G-FR1 SA n66 / 30MHz / CP OFDM / Middle Channel / Full RB

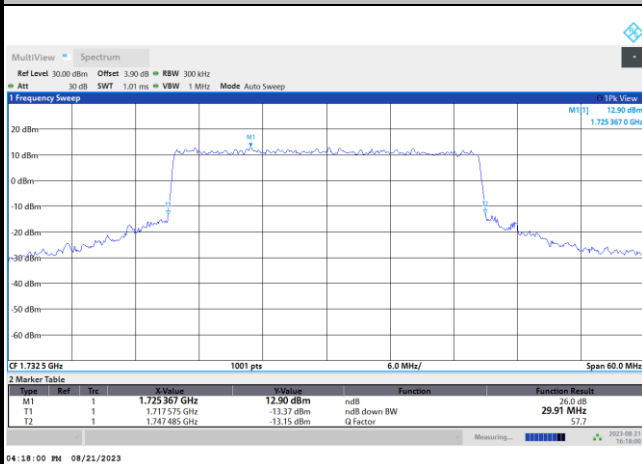
QPSK



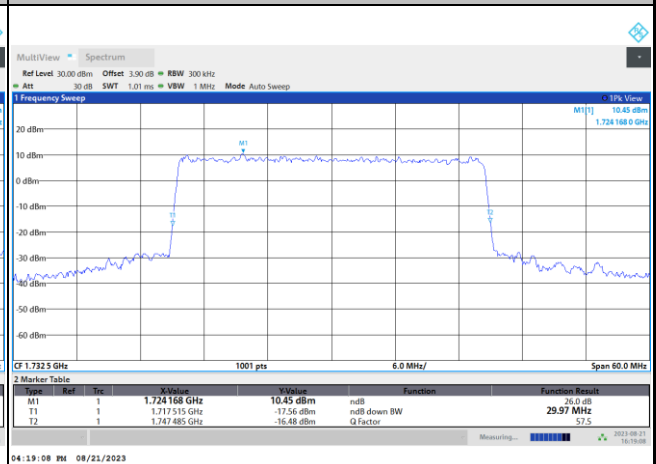
16QAM

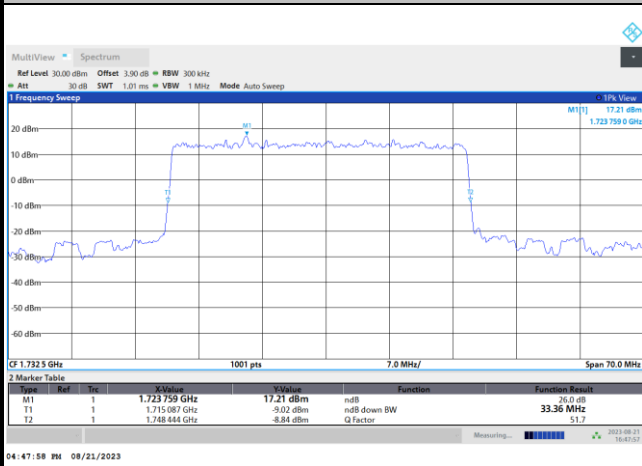
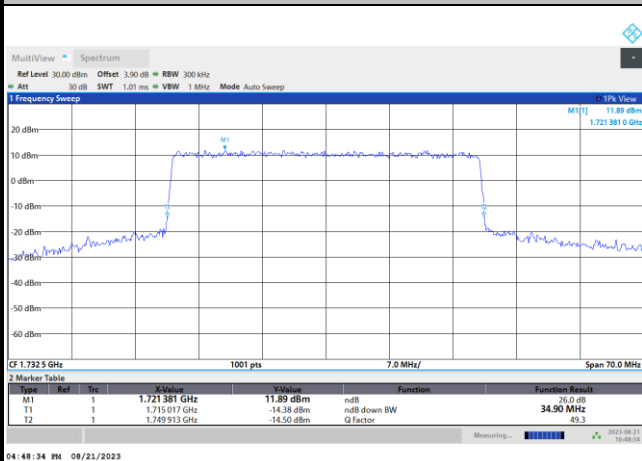
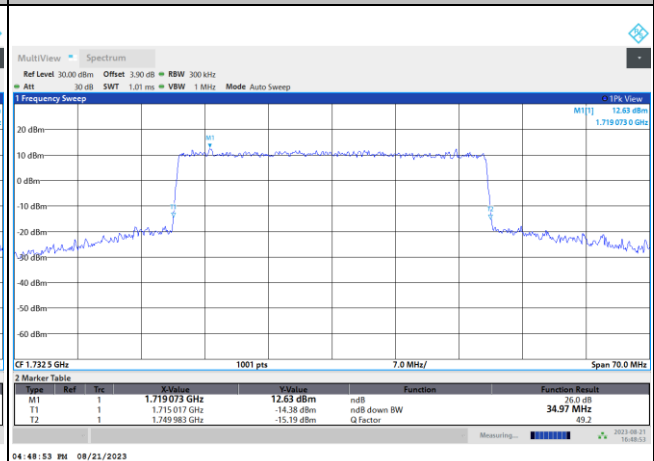
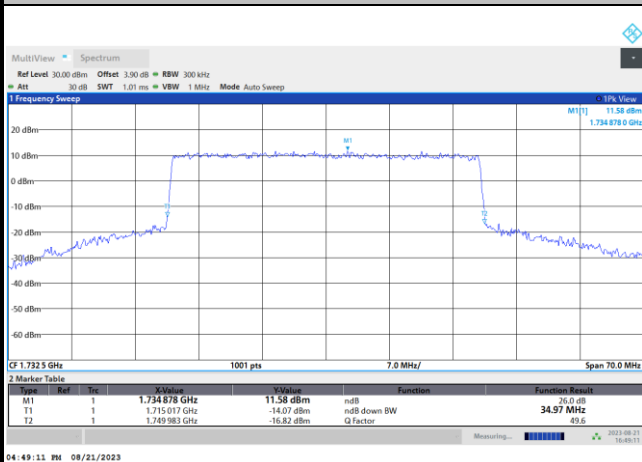


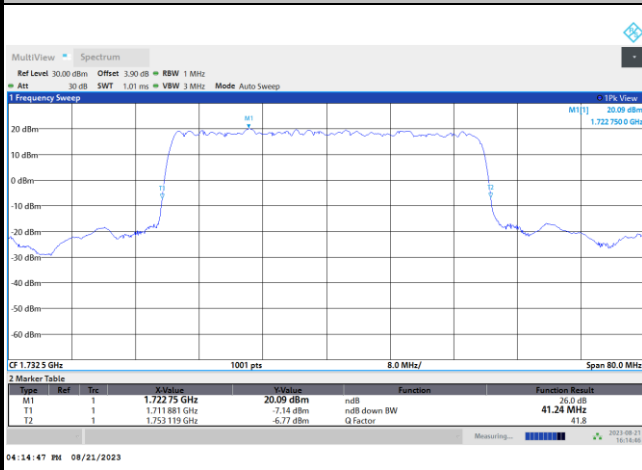
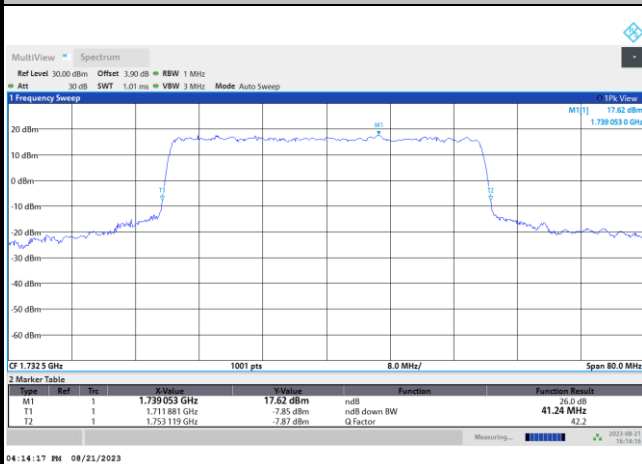
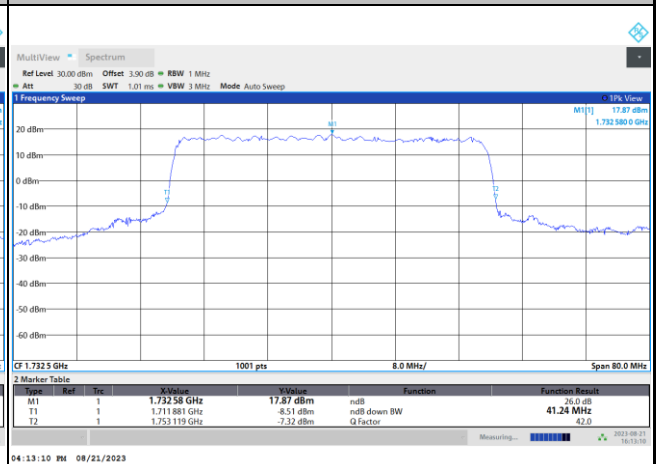
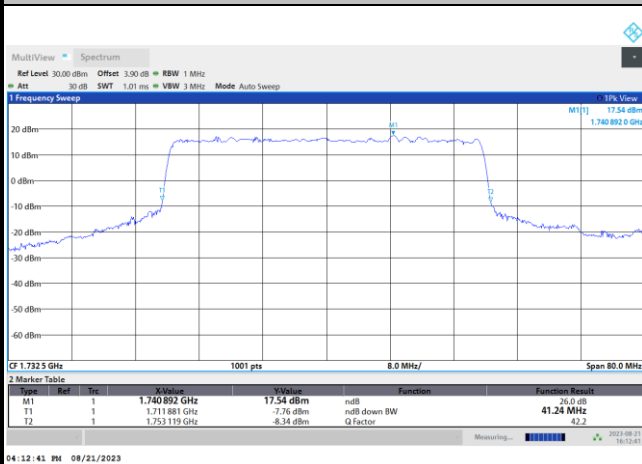
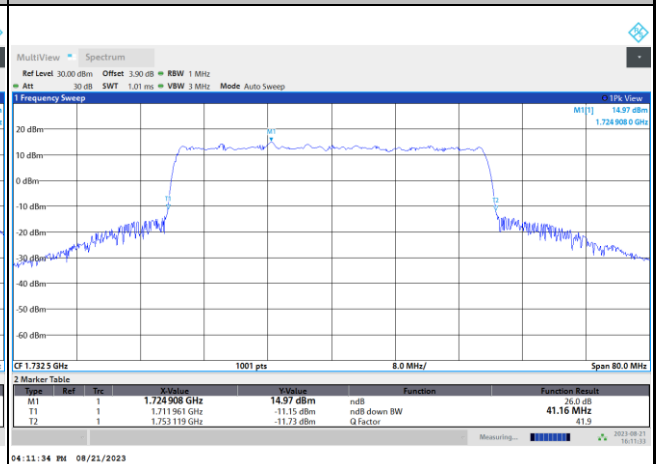
64QAM



256QAM



5G-FR1 SA n66 / 35MHz / DFT-S OFDM / Middle Channel / Full RB
PI/2 BPSK

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

16QAM

64QAM

256QAM


5G-FR1 SA n66 / 40MHz / DFT-S OFDM / Middle Channel / Full RB
PI/2 BPSK

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

16QAM

64QAM

256QAM


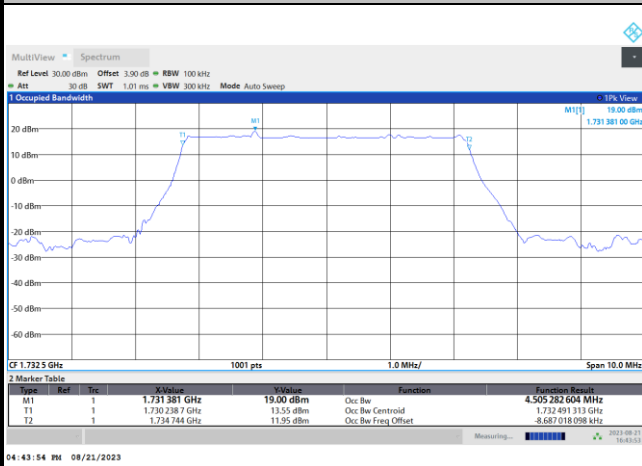
Occupied Bandwidth

Mode	5G-FR1 SA n66 : 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	4.50		8.92		13.44		17.90	
BW	25MHz		30MHz		35MHz		40MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	22.87		28.58		32.10		38.65	

Mode	5G-FR1 SA n66 : 99%OBW (MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.53	4.53	9.30	9.30	14.17	14.18	18.96	18.99
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	4.53	4.52	9.29	9.31	14.21	14.18	18.96	19.00
BW	25MHz		30MHz		35MHz		40MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	23.73	23.76	28.54	28.60	33.54	33.56	38.79	38.71
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	23.72	23.74	28.55	28.55	33.56	33.55	38.93	38.74

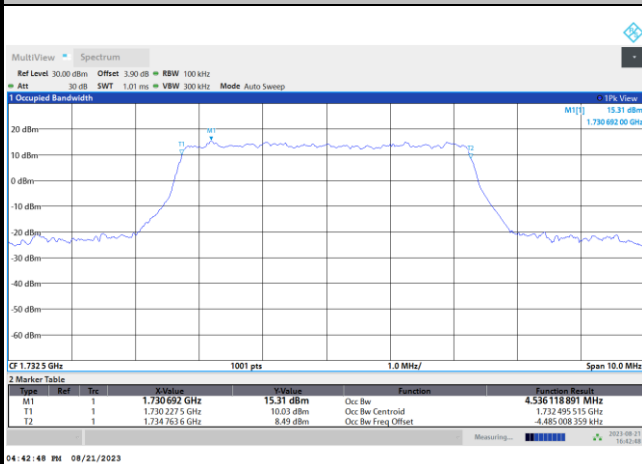
5G-FR1 SA n66 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

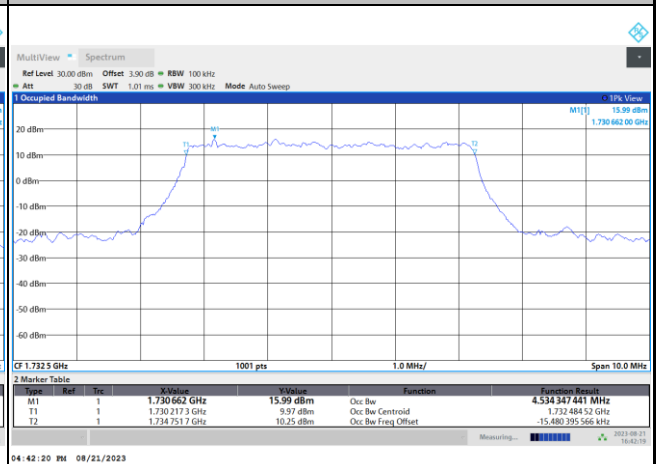


5G-FR1 SA n66 / 5MHz / CP OFDM / Middle Channel / Full RB

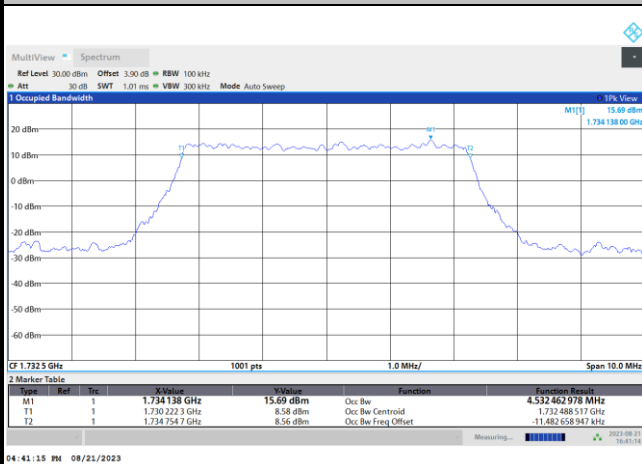
QPSK



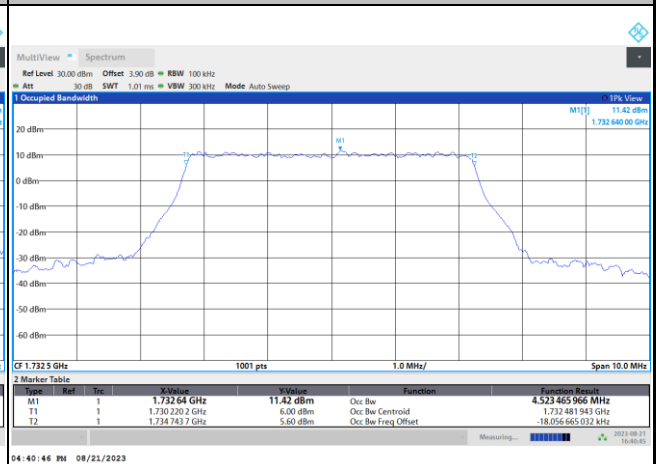
16QAM



64QAM



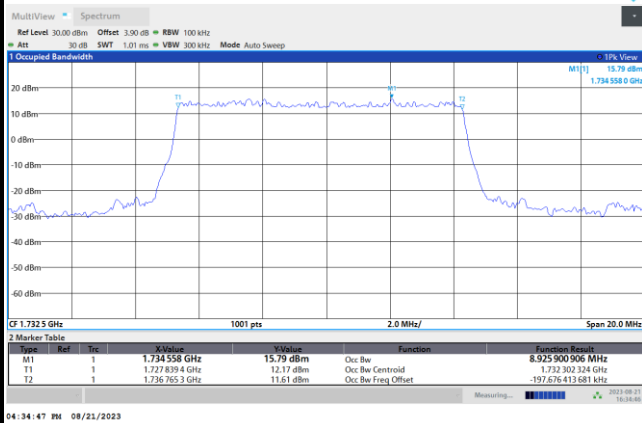
256QAM





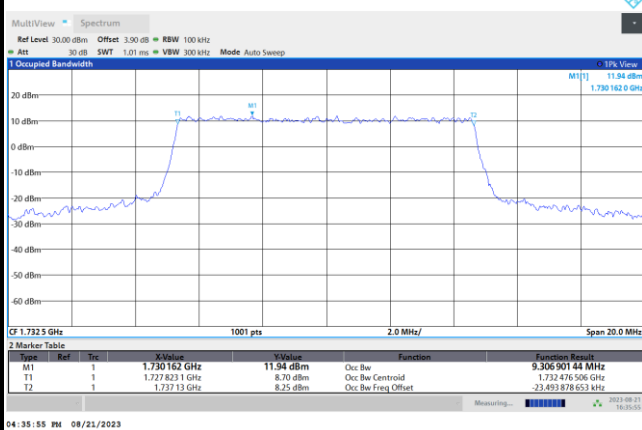
5G-FR1 SA n66 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

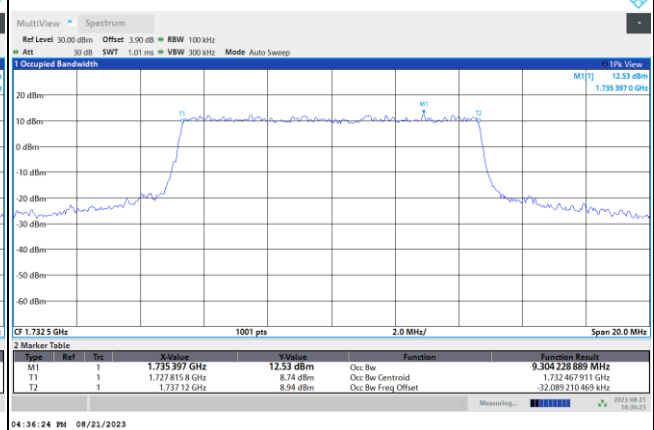


5G-FR1 SA n66 / 10MHz / CP OFDM / Middle Channel / Full RB

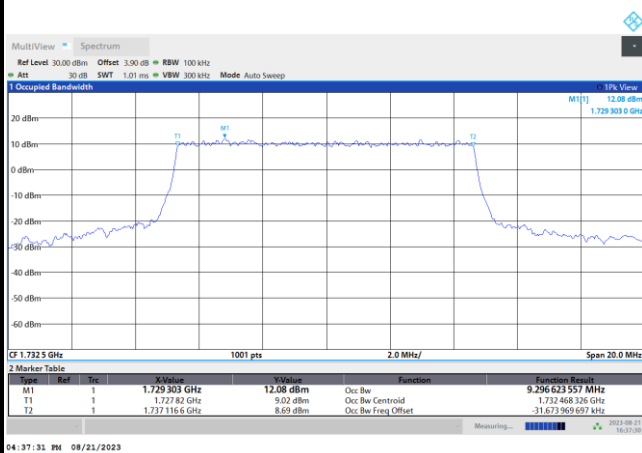
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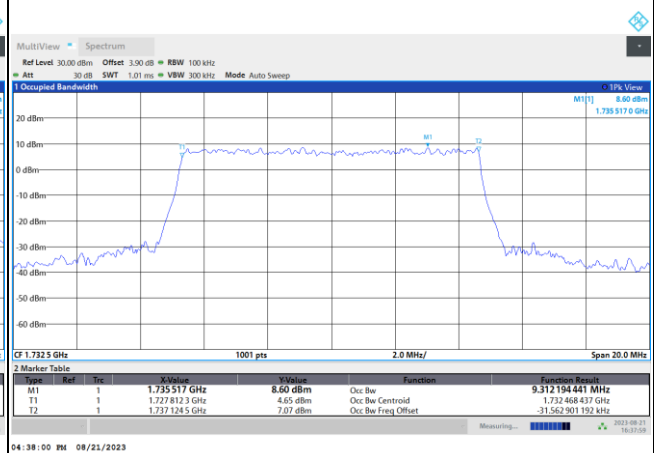
16QAM



64QAM

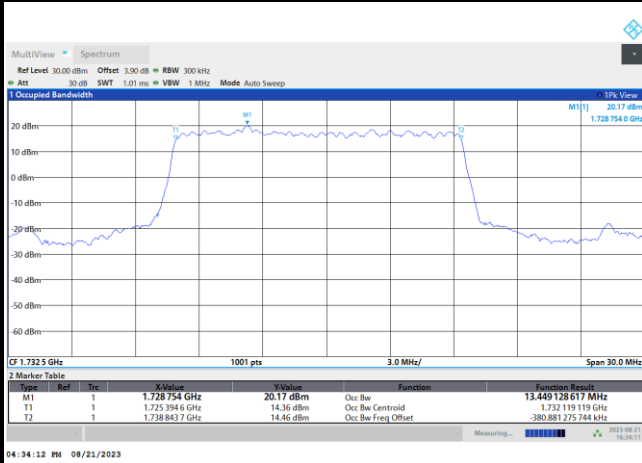


256QAM



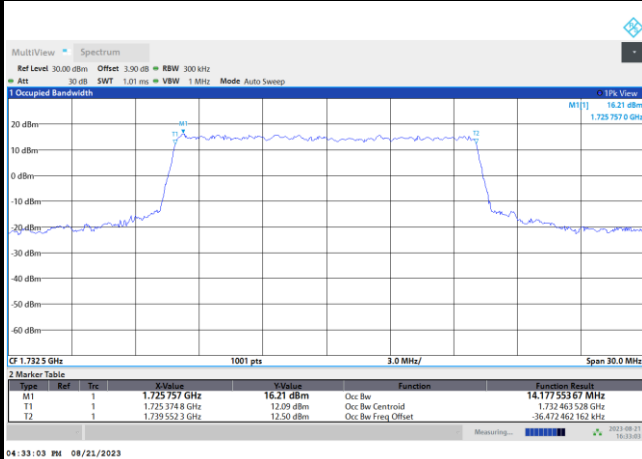
5G-FR1 SA n66 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

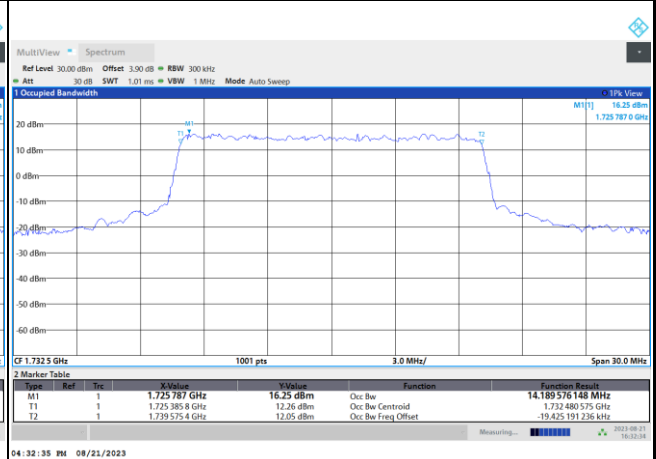


5G-FR1 SA n66 / 15MHz / CP OFDM / Middle Channel / Full RB

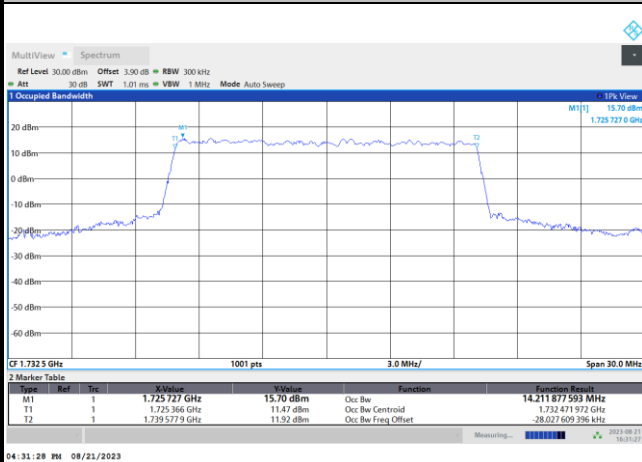
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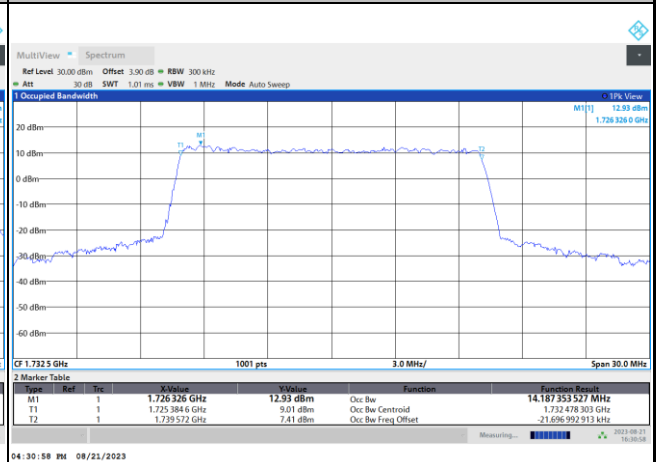
16QAM



64QAM

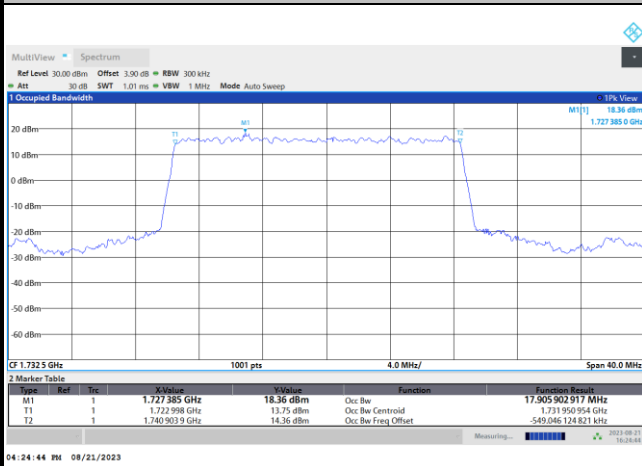


256QAM



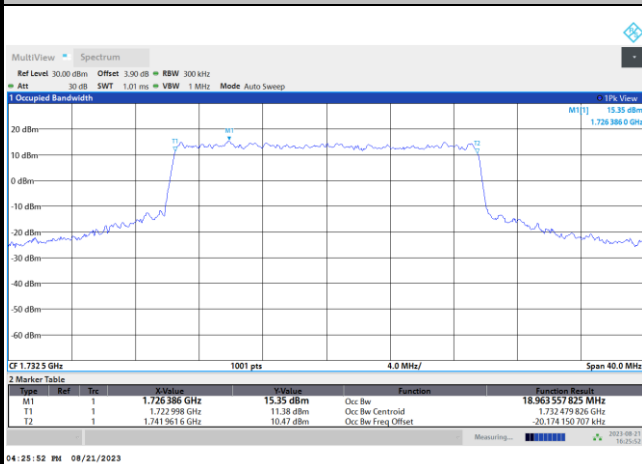
5G-FR1 SA n66 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

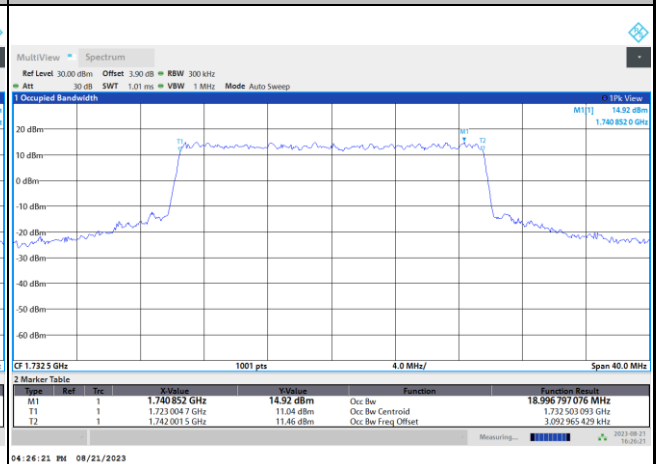


5G-FR1 SA n66 / 20MHz / CP OFDM / Middle Channel / Full RB

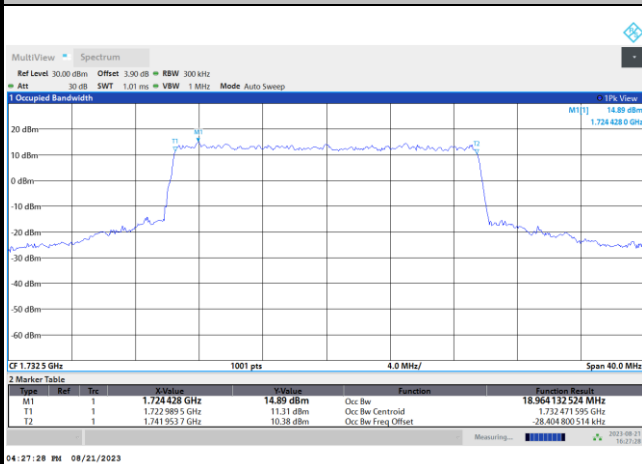
QPSK



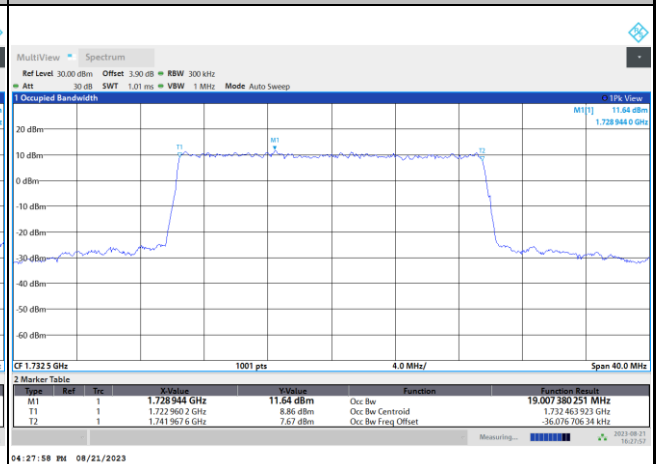
16QAM



64QAM

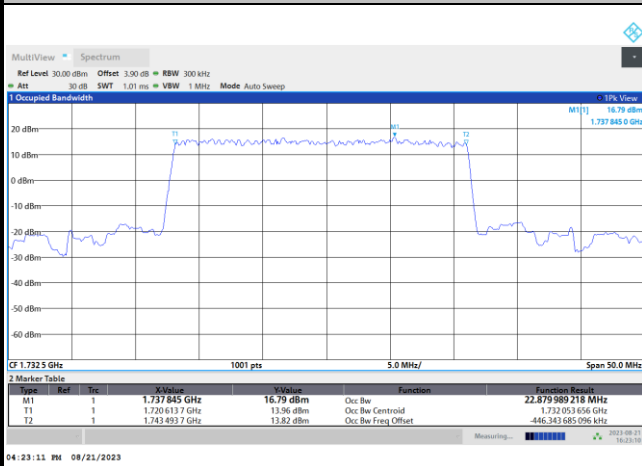


256QAM



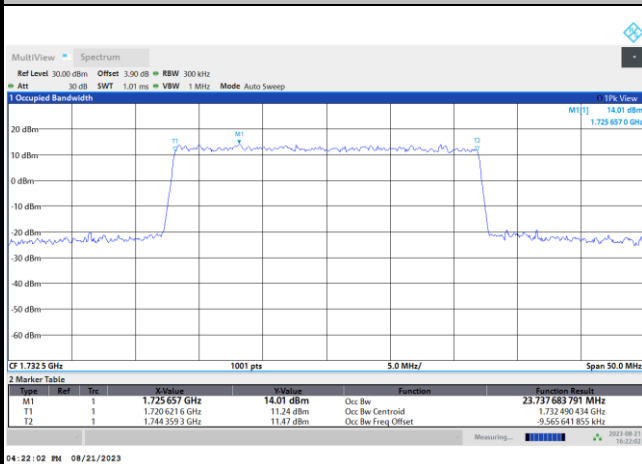
5G-FR1 SA n66 / 25MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

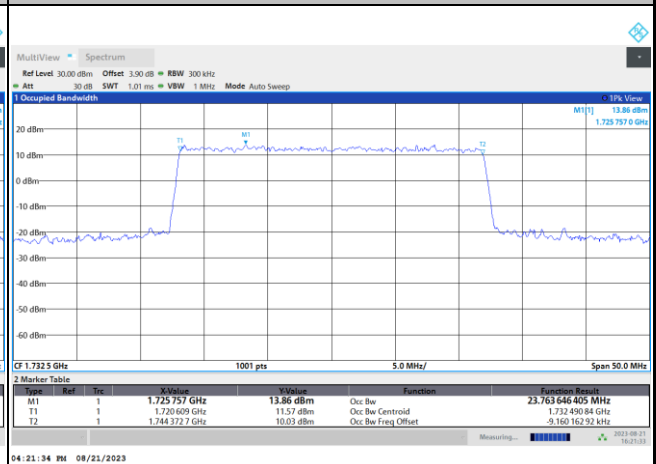


5G-FR1 SA n66 / 25MHz / CP OFDM / Middle Channel / Full RB

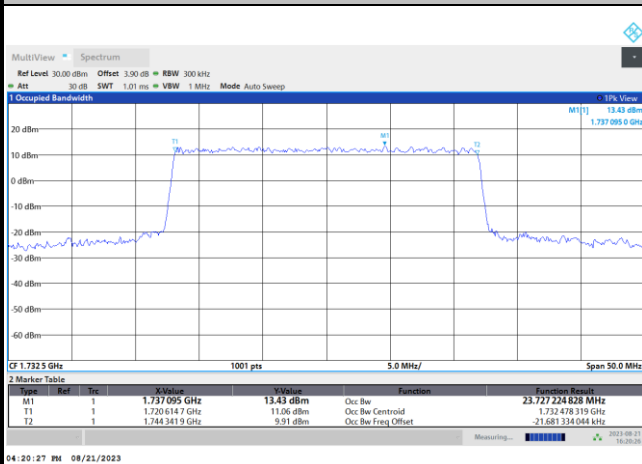
QPSK



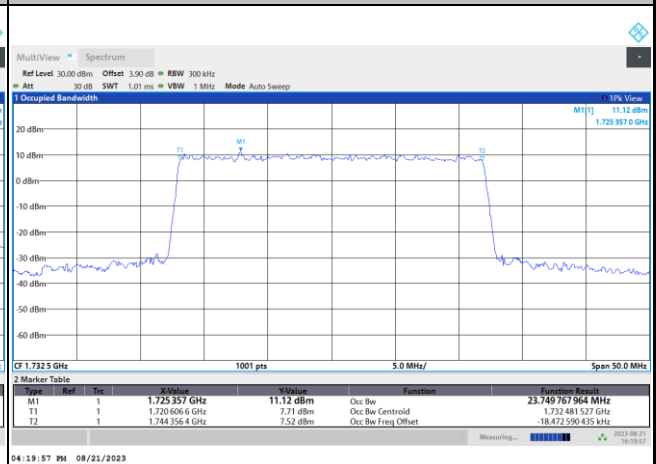
16QAM



64QAM

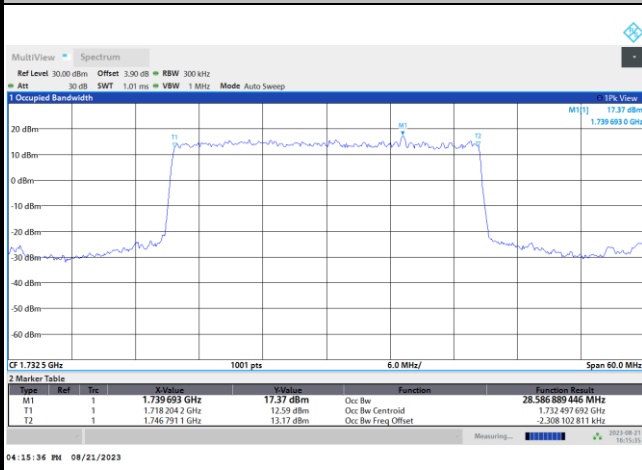


256QAM



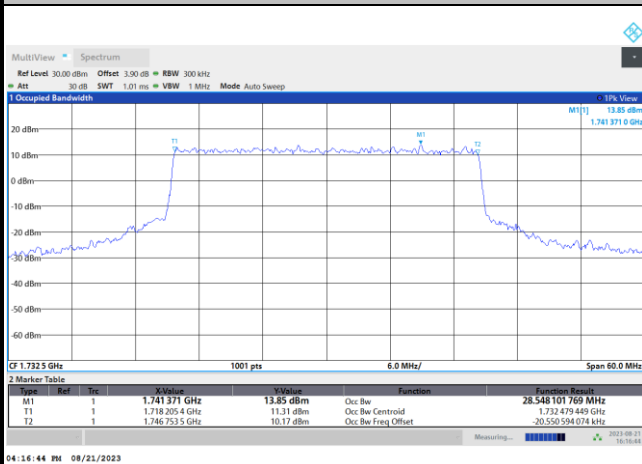
5G-FR1 SA n66 / 30MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

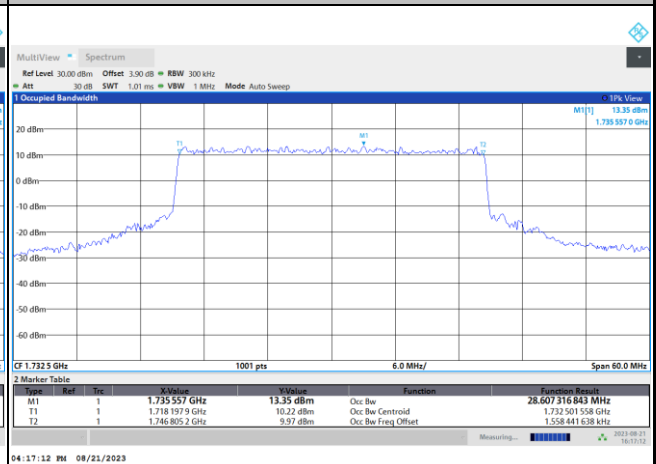


5G-FR1 SA n66 / 30MHz / CP OFDM / Middle Channel / Full RB

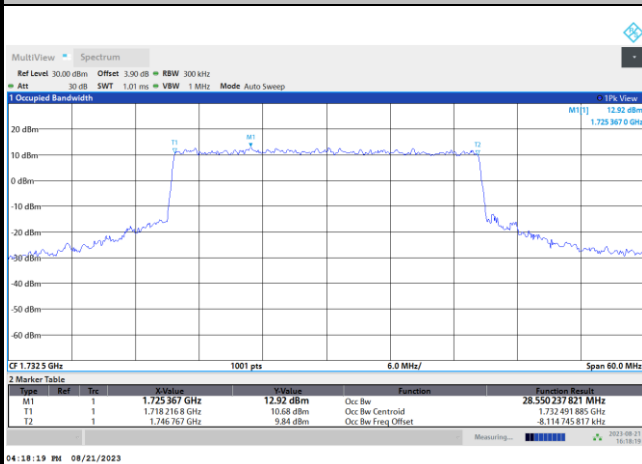
QPSK



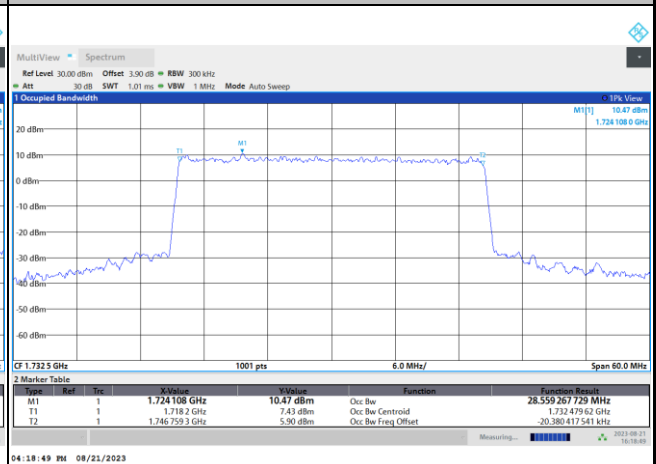
16QAM

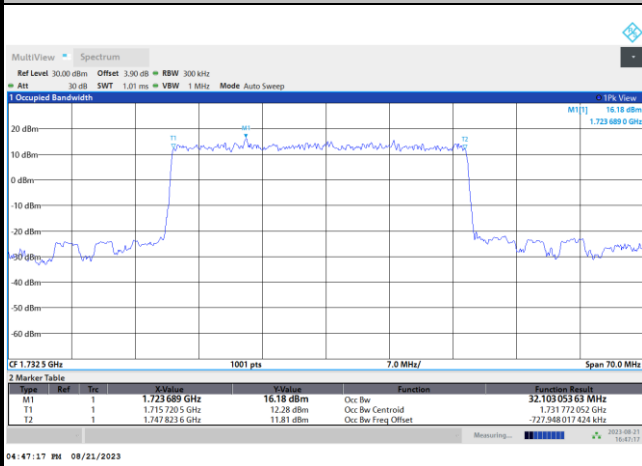
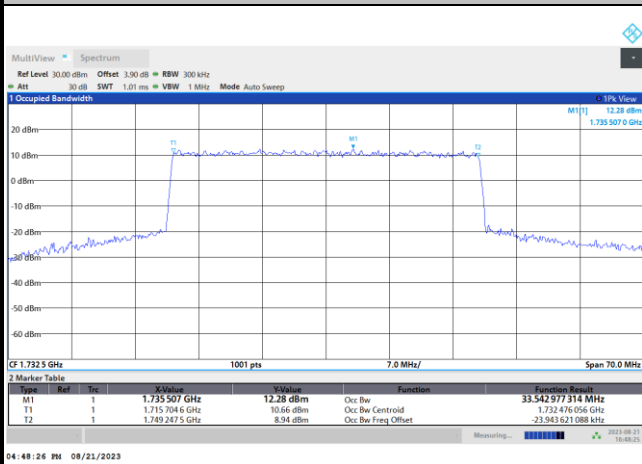
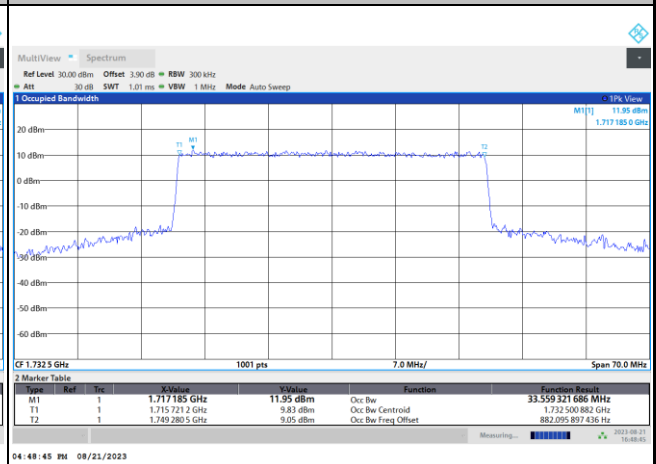
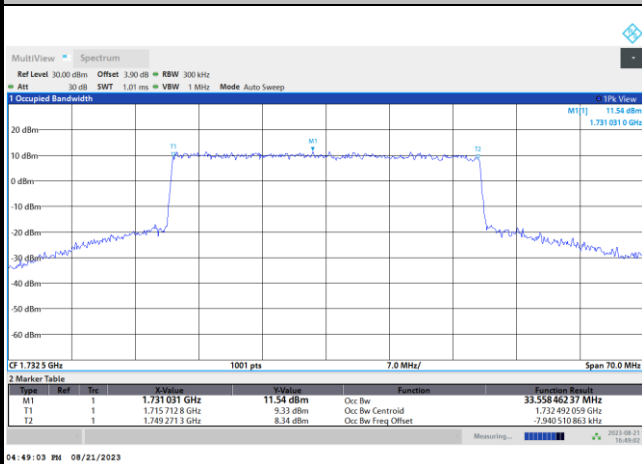


64QAM



256QAM



5G-FR1 SA n66 / 35MHz / DFT-S OFDM / Middle Channel / Full RB
PI/2 BPSK

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

16QAM

64QAM

256QAM
