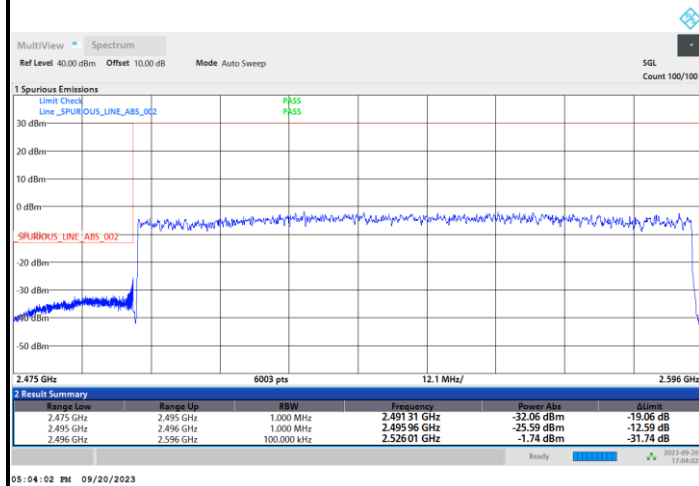


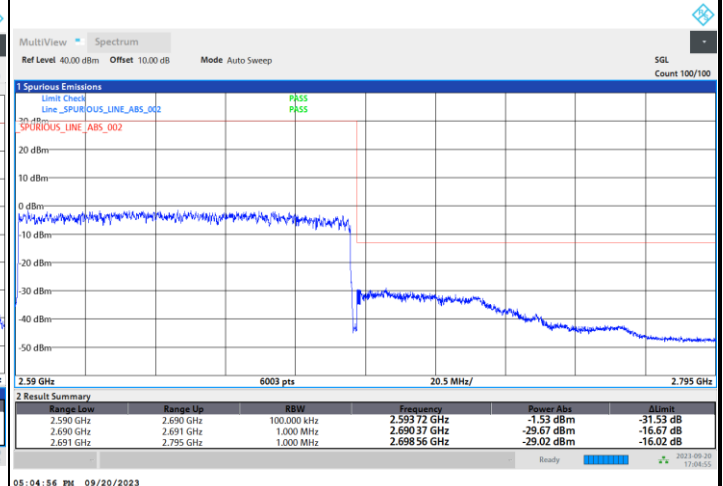


5G-FR1 SA n41 (PC2) / 100MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / Full RB

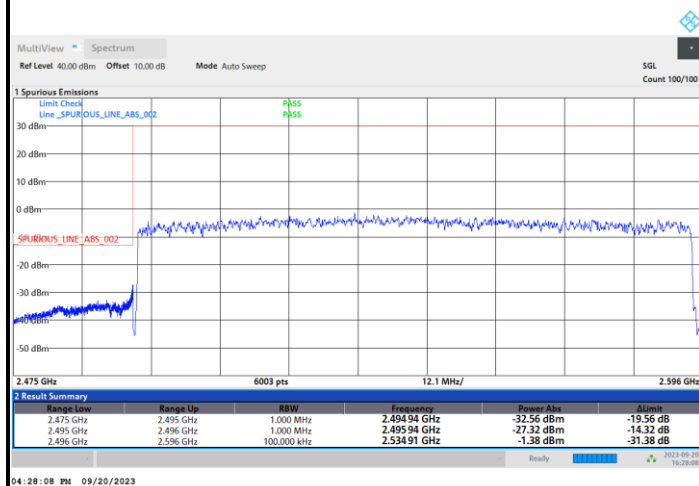


Highest Band Edge / Full RB

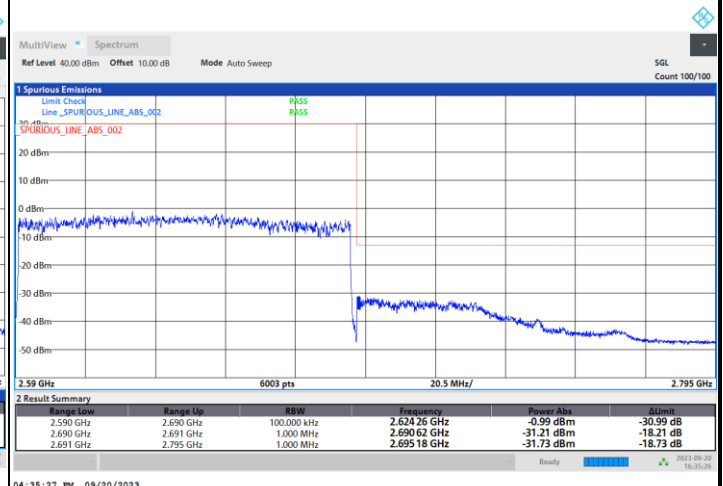


5G-FR1 SA n41 (PC2) / 100MHz / DFT-S OFDM / 64QAM

Lowest Band Edge / Full RB



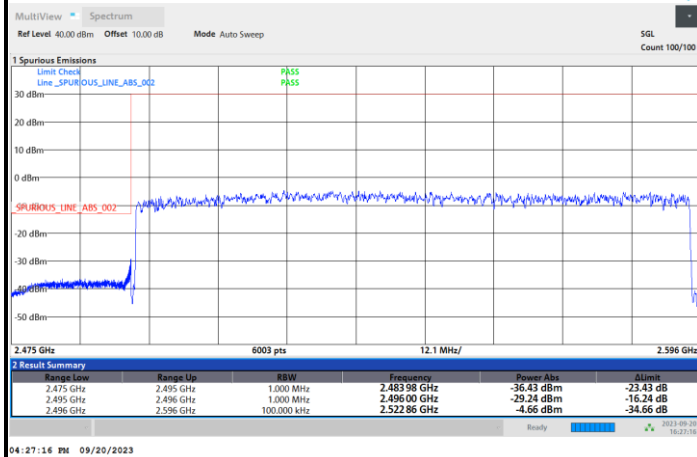
Highest Band Edge / Full RB



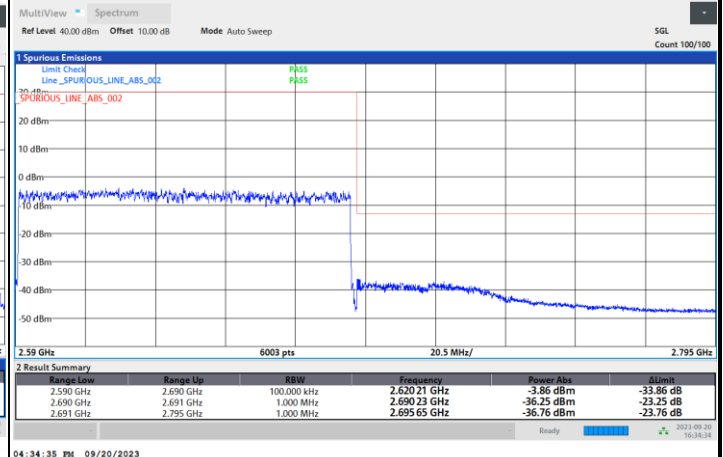


5G-FR1 SA n41 (PC2) / 100MHz / DFT-S OFDM / 256QAM

Lowest Band Edge / Full RB

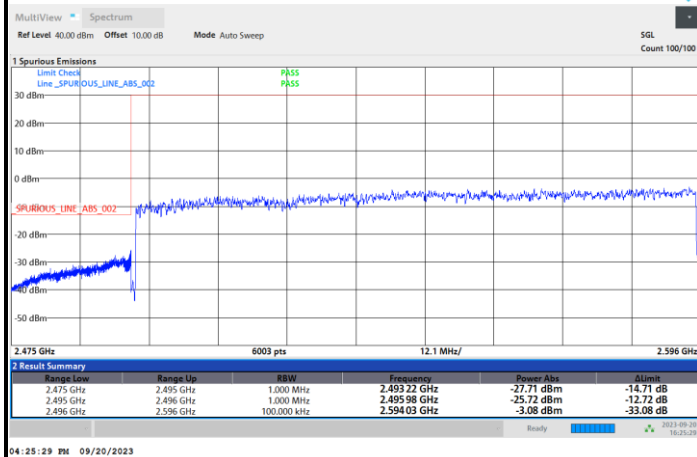


Highest Band Edge / Full RB

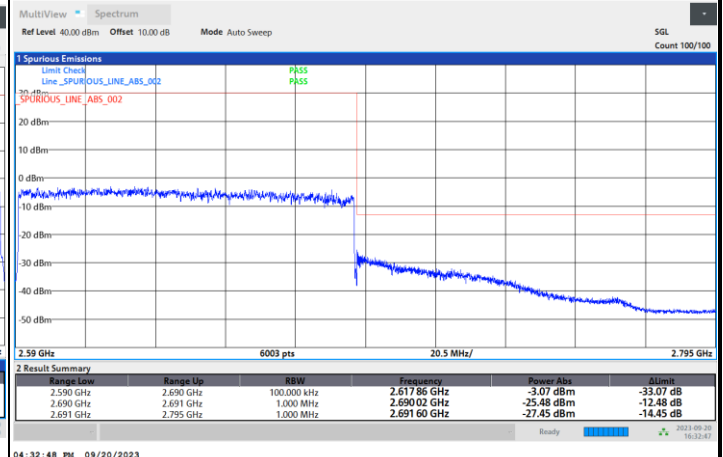


5G-FR1 SA n41 (PC2) / 100MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge



Highest Band Edge

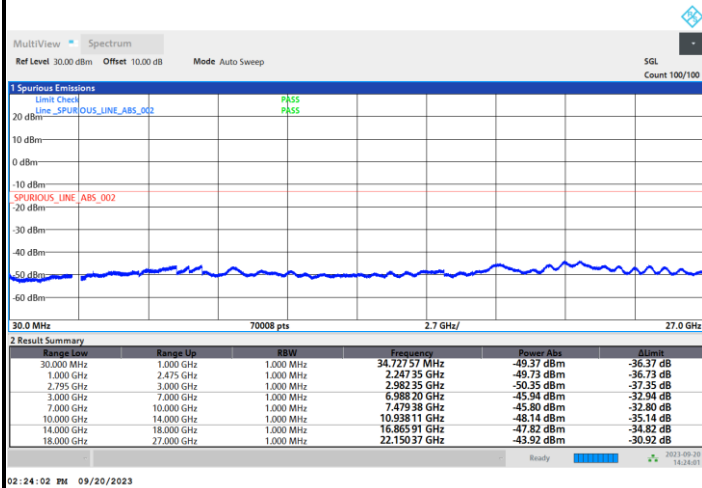




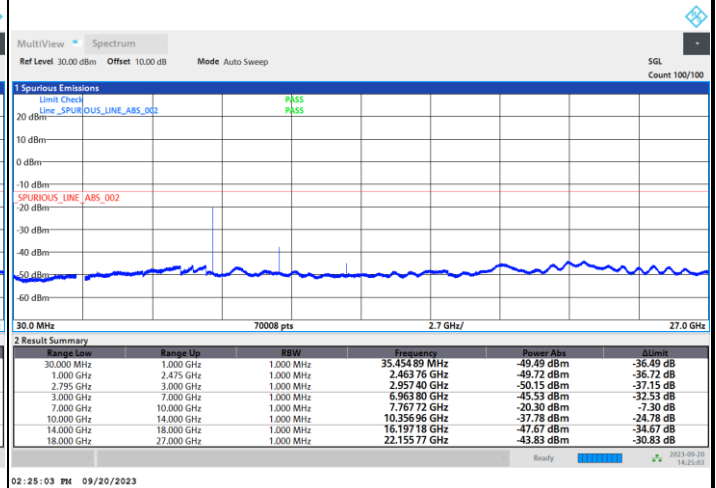
Conducted Spurious Emission

5G-FR1 SA n41 (PC2) / 10MHz / DFT-S OFDM / QPSK / 1RB1

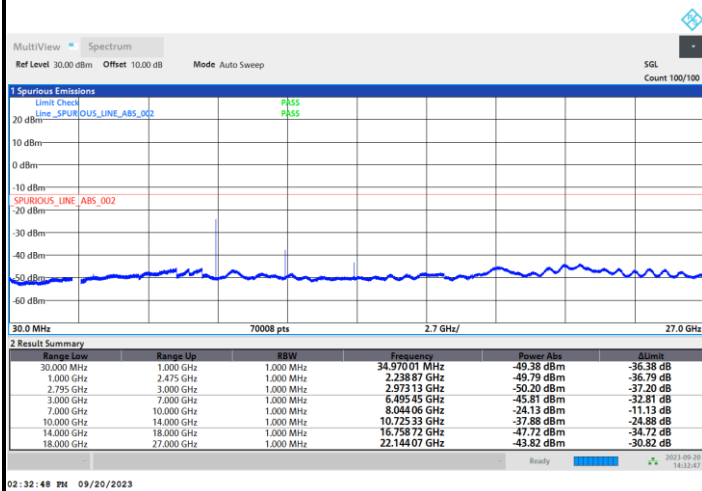
Lowest Channel



Middle Channel



Highest Channel



Frequency Stability

Test Conditions		5G-FR1 SA n41 (PC2) (PI/2BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0001	PASS
40	Normal Voltage	0.0065	
30	Normal Voltage	0.0153	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.00180	
-20	Normal Voltage	0.0027	
-30	Normal Voltage	0.0019	
20	Maximum Voltage	0.0165	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0014	

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.

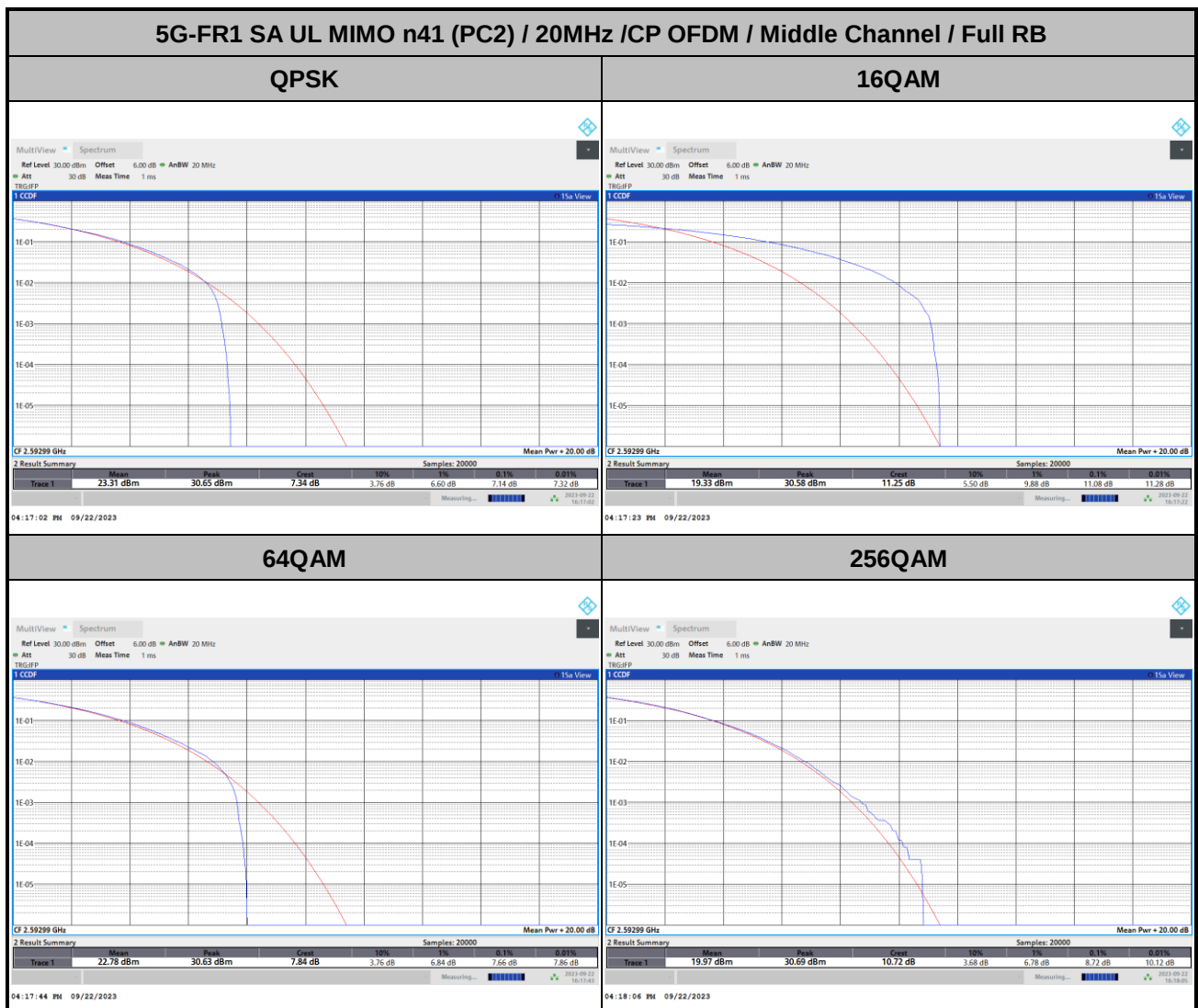


<MIMO Mode>

MIMO <Ant. 12>

Peak-to-Average Ratio

Mode	5G-FR1 SA UL MIMO n41 (PC2) / 20MHz / CP OFDM				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	7.14	11.08	7.66	8.72	PASS



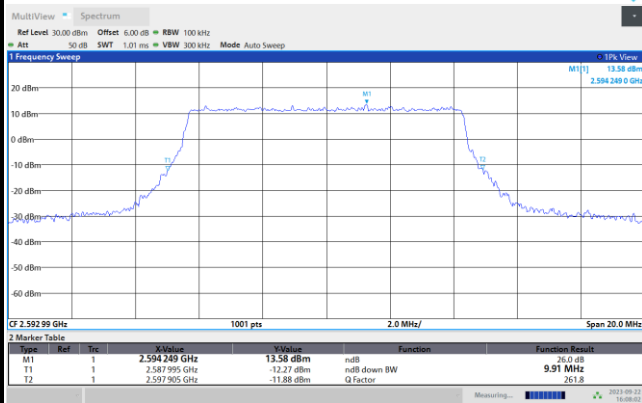
26dB Bandwidth

Mode	5G-FR1 SA UL MIMO n41 (PC2) : 26dB BW(MHz) / CP OFDM							
BW	10MHz		15MHz		20MHz		25MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	9.91	9.99	15.47	15.32	19.98	19.98	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	9.97	9.81	15.35	15.29	19.98	20.02	-	-
BW	30MHz		40MHz		50MHz		60MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	29.85	29.85	40.92	40.92	50.85	50.55	61.02	61.02
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	29.67	29.67	40.76	40.84	50.65	50.65	61.02	61.02
BW	70MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	70.77	70.63	80.88	80.88	90.81	90.99	101.10	101.10
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	70.77	70.63	80.88	80.72	90.81	90.99	101.30	101.10



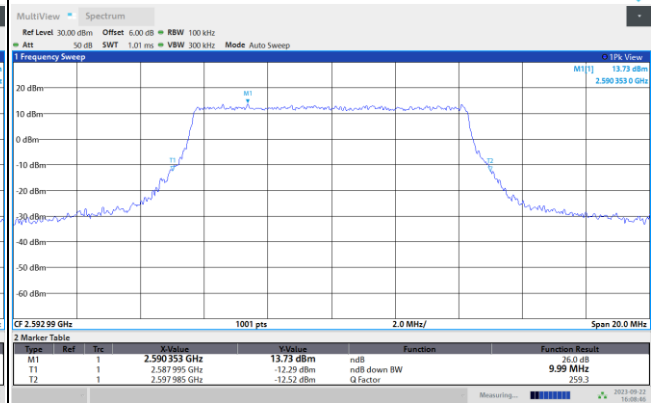
5G-FR1 SA UL MIMO n41 (PC2) / 10MHz / CP OFDM / Middle Channel / Full RB

QPSK



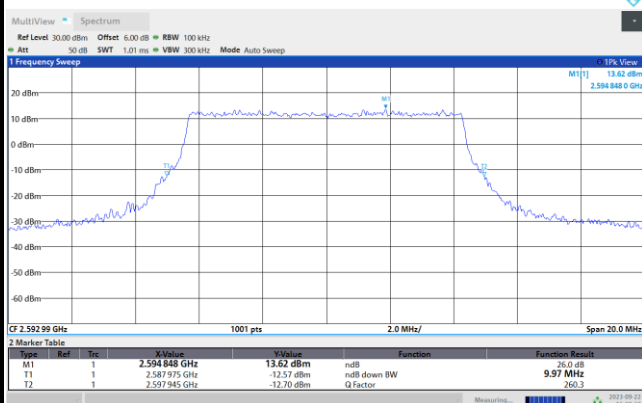
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16QAM



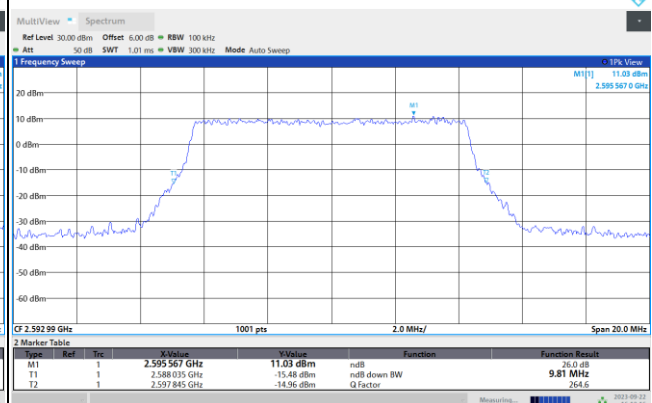
04:08:46 PM 09/22/2023

64QAM



04:09:31 PM 09/22/2023

256QAM

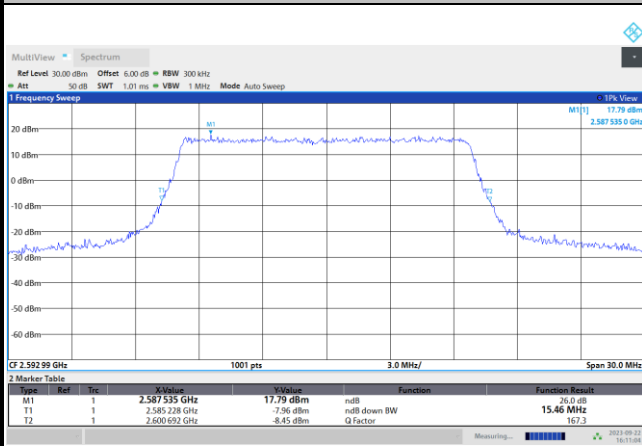


04:10:17 PM 09/22/2023



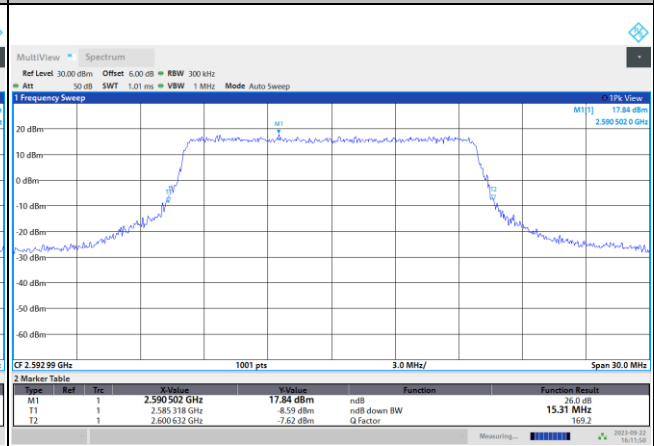
5G-FR1 SA UL MIMO n41 (PC2) / 15MHz / CP OFDM / Middle Channel / Full RB

QPSK



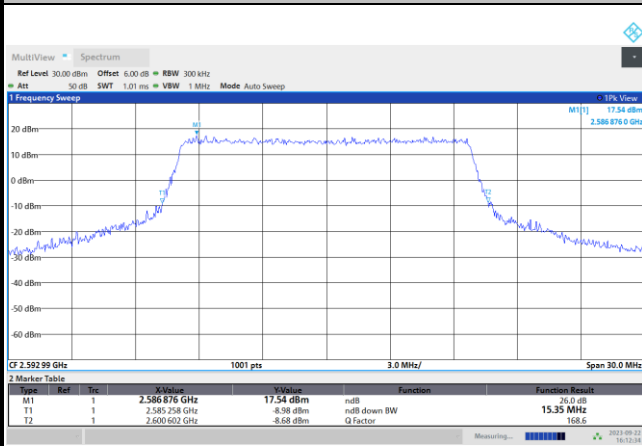
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16QAM



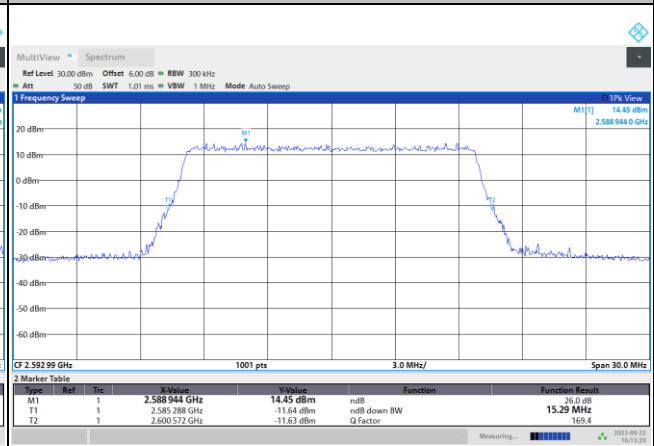
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64QAM



04:12:14 PM 09/22/2023

256QAM

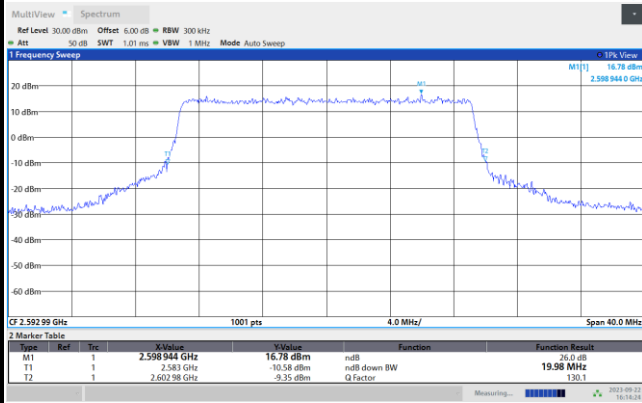


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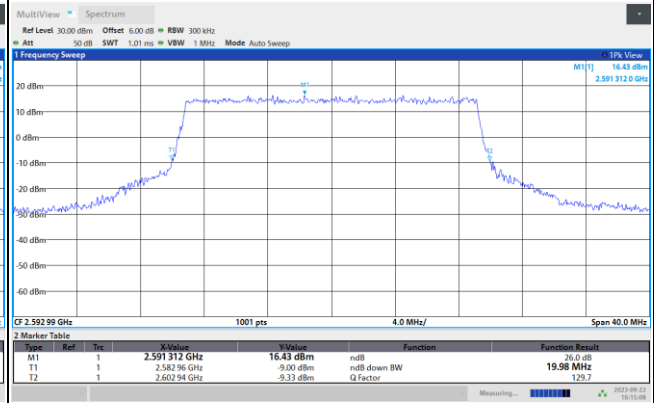
5G-FR1 SA UL MIMO n41 (PC2) / 20MHz / CP OFDM / Middle Channel / Full RB

QPSK



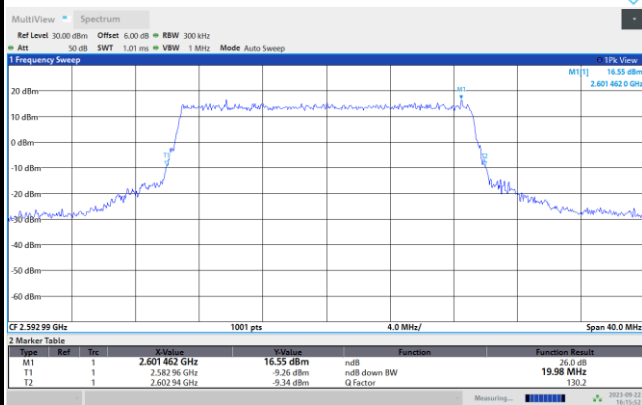
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16QAM



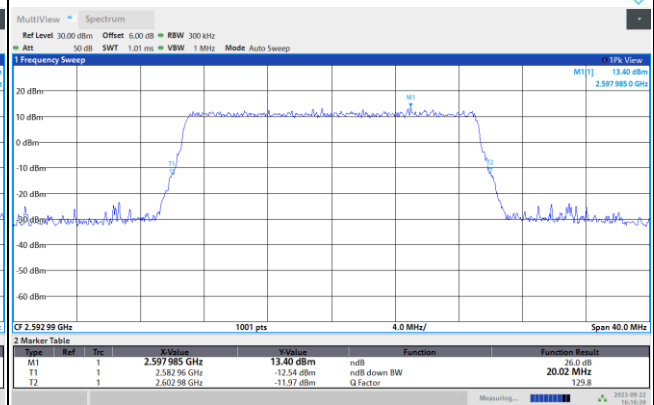
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64QAM



04:15:33 PM 09/22/2023

256QAM

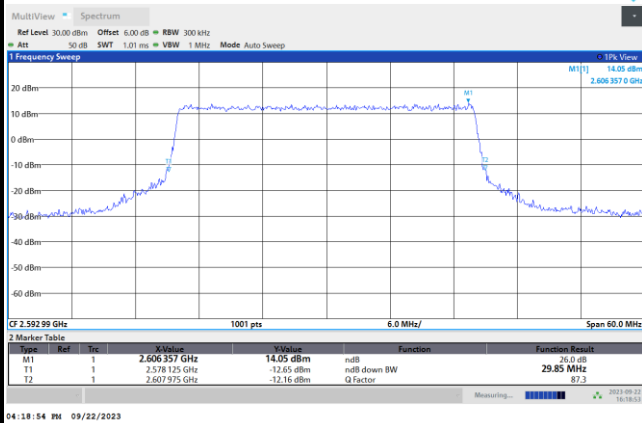


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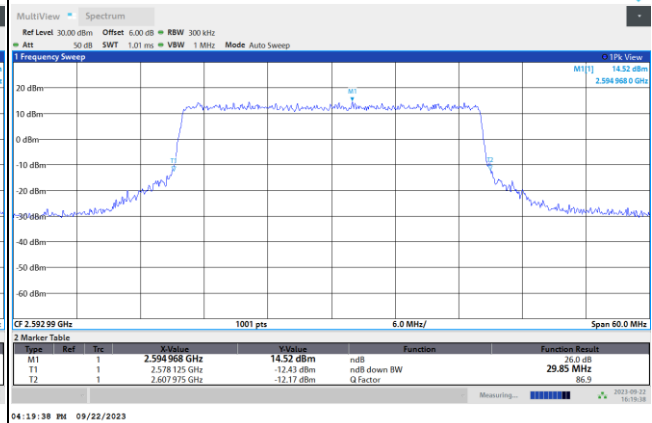


5G-FR1 SA UL MIMO n41 (PC2) / 30MHz / CP OFDM / Middle Channel / Full RB

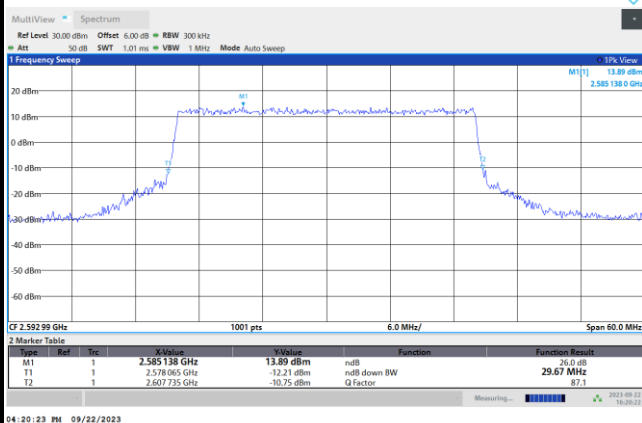
QPSK



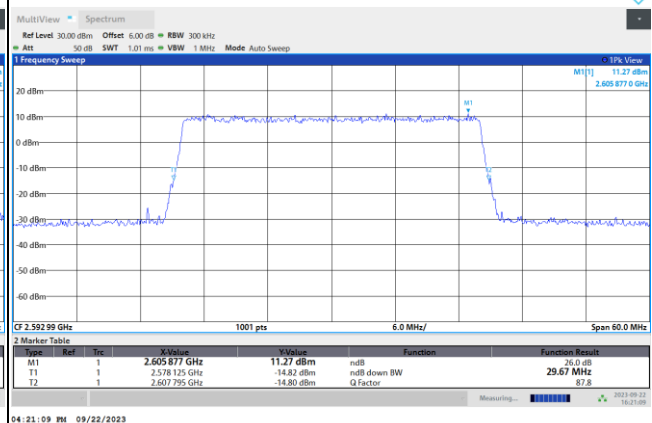
16QAM



64QAM



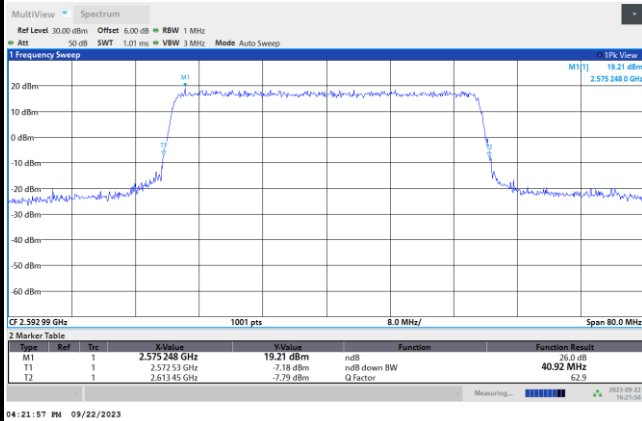
256QAM



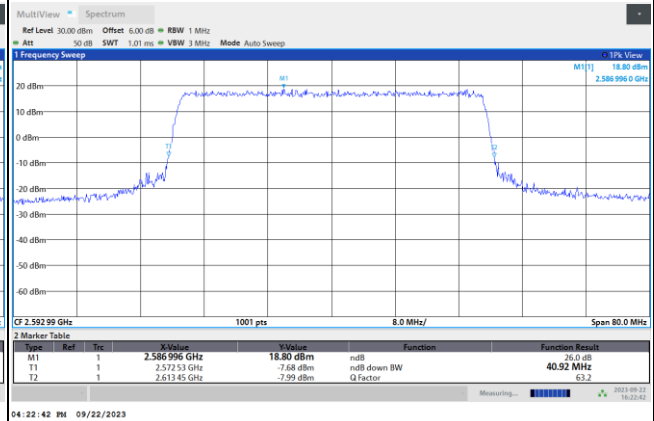


5G-FR1 SA UL MIMO n41 (PC2) / 40MHz / CP OFDM / Middle Channel / Full RB

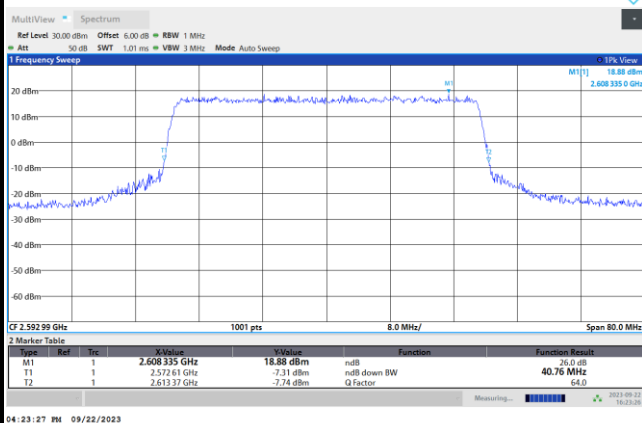
QPSK



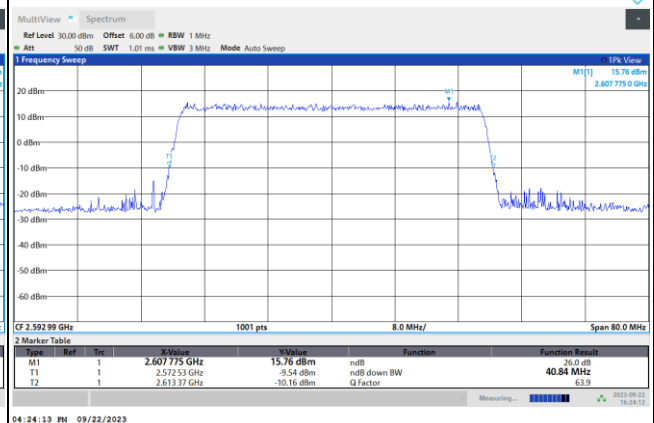
16QAM

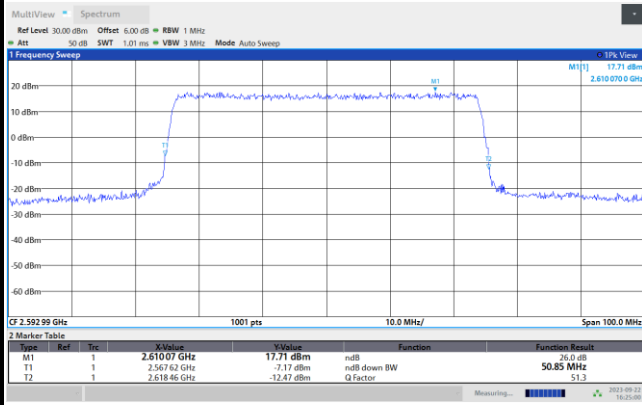


64QAM

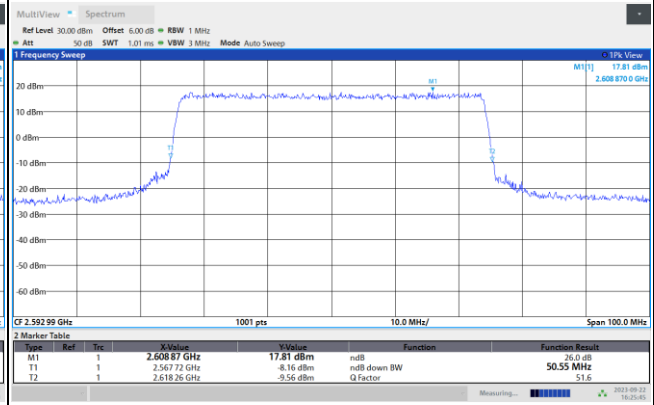


256QAM

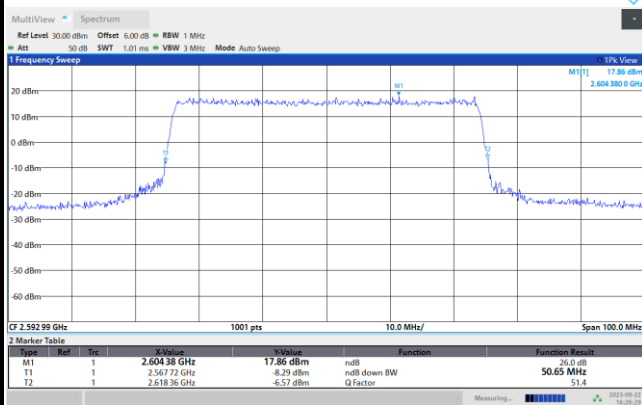


5G-FR1 SA UL MIMO n41 (PC2) / 50MHz / CP OFDM / Middle Channel / Full RB
QPSK


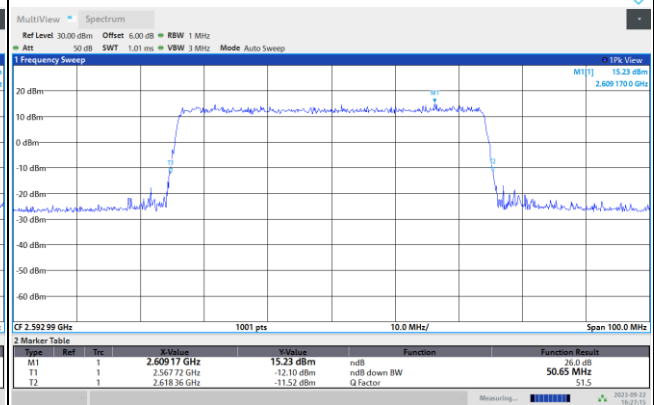
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16QAM


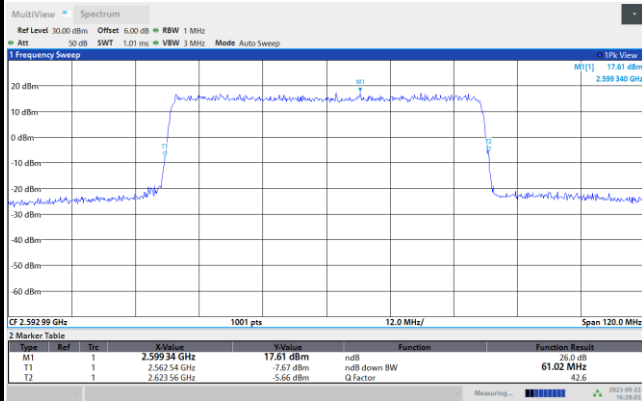
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64QAM


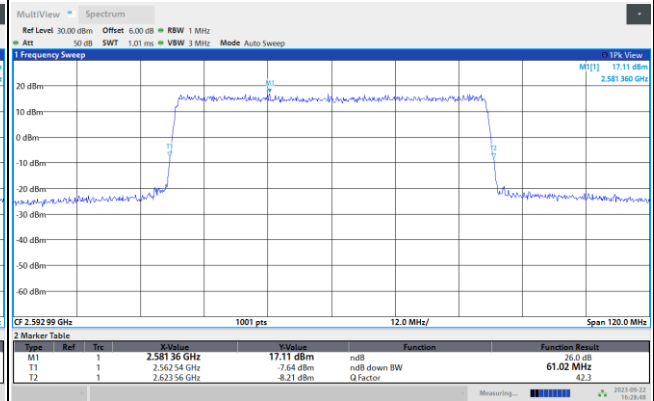
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256QAM


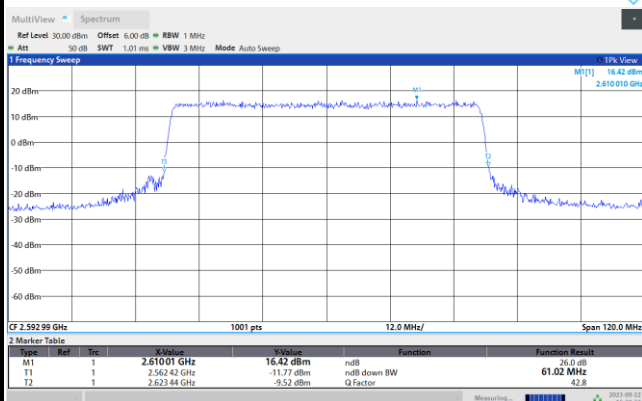
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5G-FR1 SA UL MIMO n41 (PC2) / 60MHz / CP OFDM / Middle Channel / Full RB
QPSK


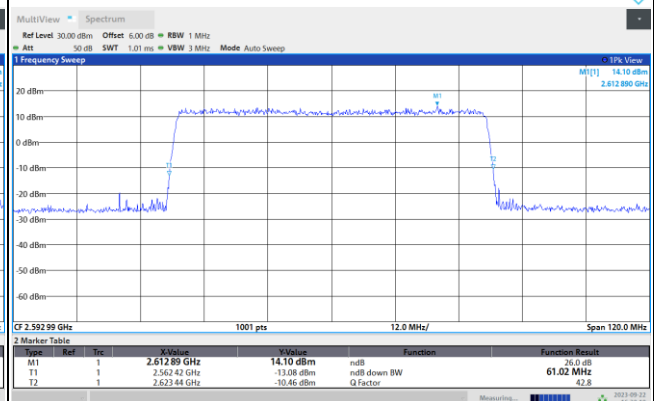
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16QAM


04:28:49 PM 09/22/2023

64QAM


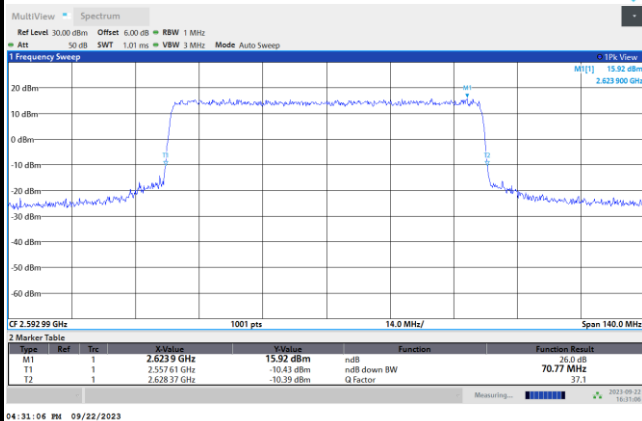
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256QAM


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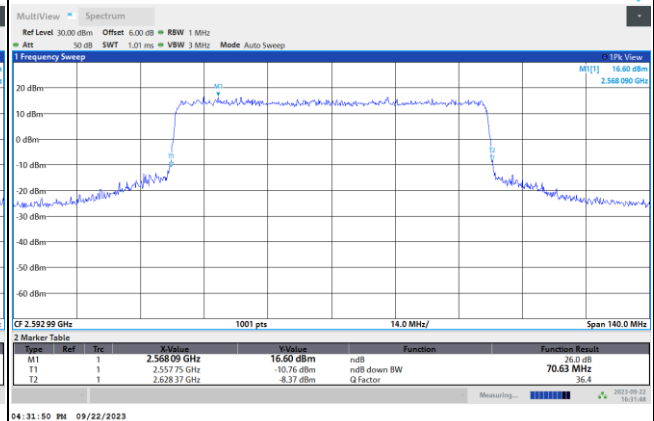
5G-FR1 SA UL MIMO n41 (PC2) / 70MHz / CP OFDM / Middle Channel / Full RB

QPSK



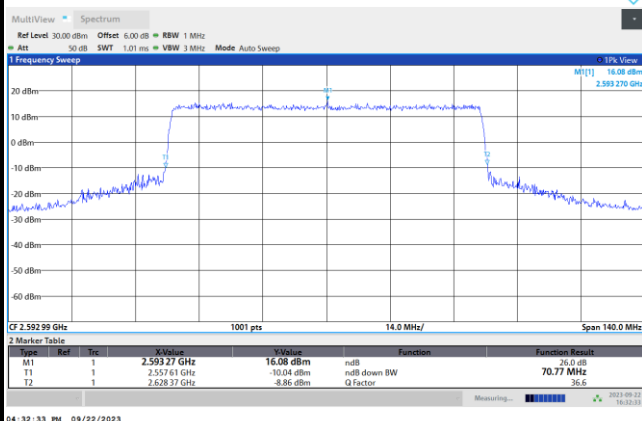
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16QAM



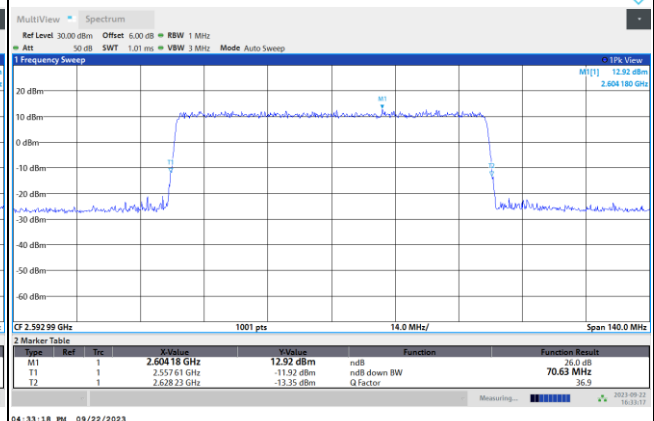
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64QAM



04:32:33 PM 09/22/2023

256QAM

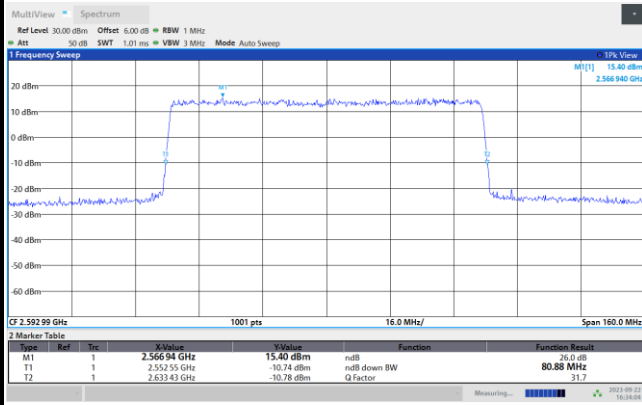


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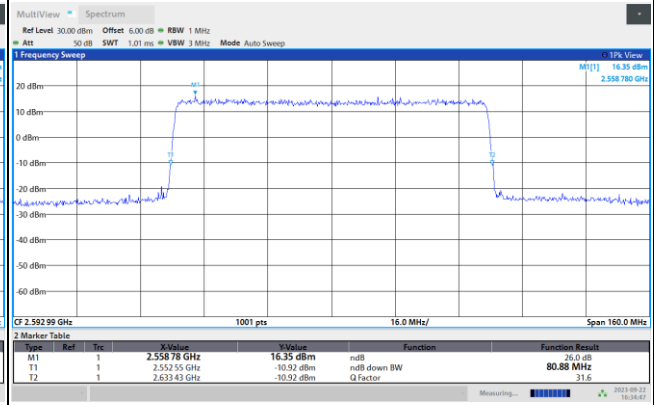


5G-FR1 SA UL MIMO n41 (PC2) / 80MHz / CP OFDM / Middle Channel / Full RB

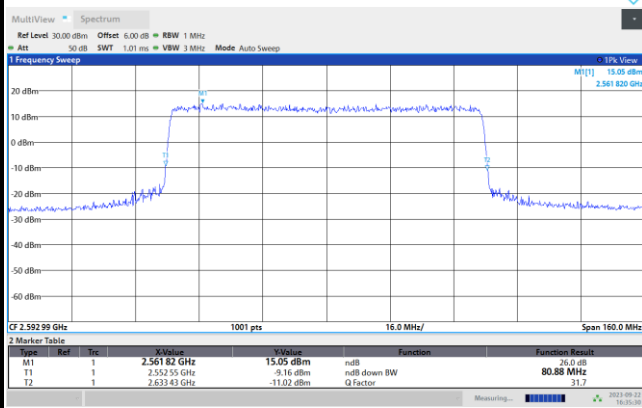
QPSK



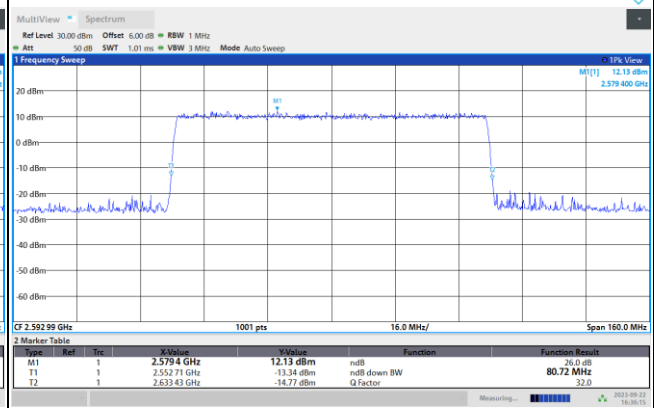
16QAM



64QAM



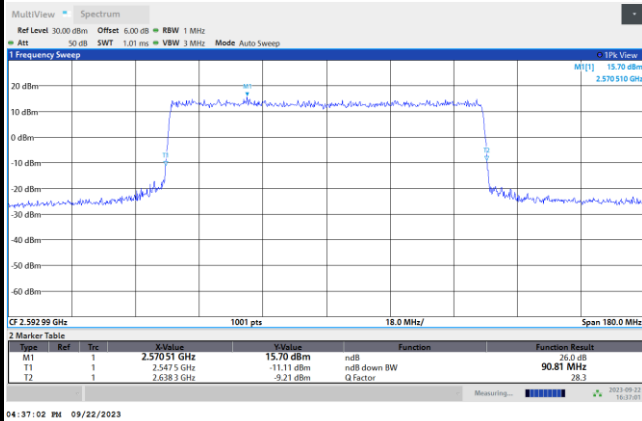
256QAM



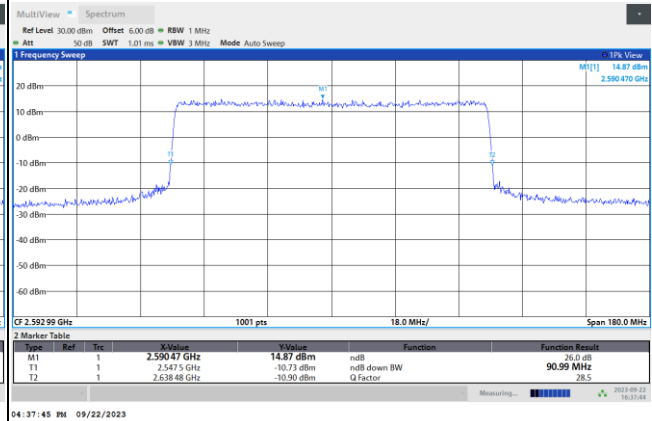


5G-FR1 SA UL MIMO n41 (PC2) / 90MHz / CP OFDM / Middle Channel / Full RB

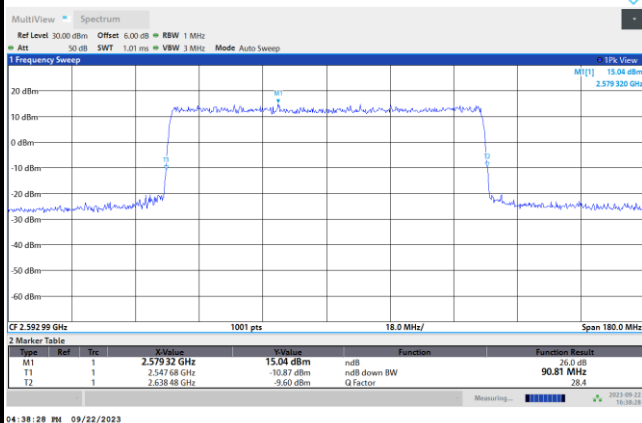
QPSK



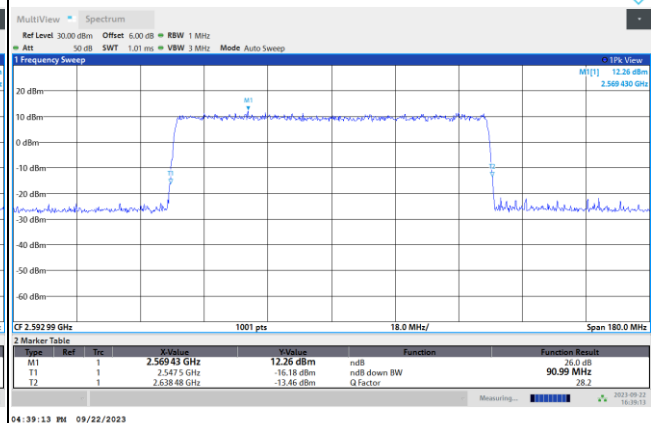
16QAM



64QAM



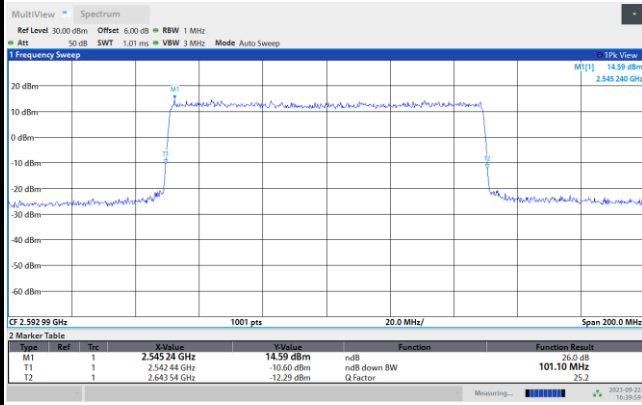
256QAM





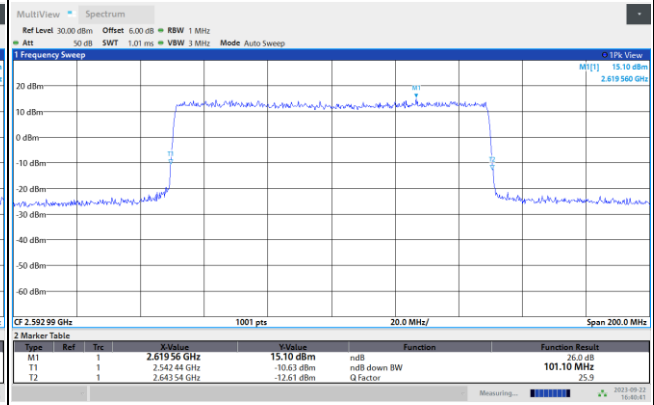
5G-FR1 SA UL MIMO n41 (PC2) / 100MHz / CP OFDM / Middle Channel / Full RB

QPSK



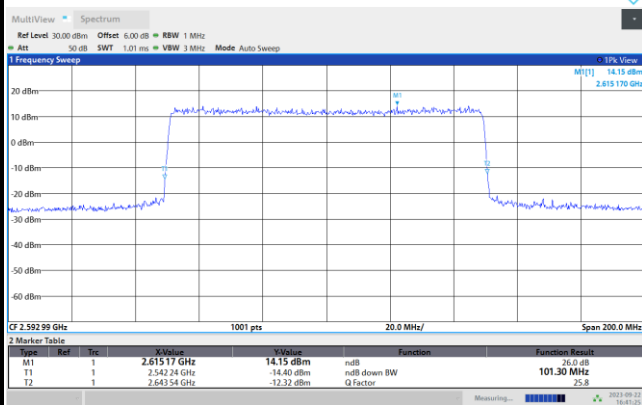
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16QAM



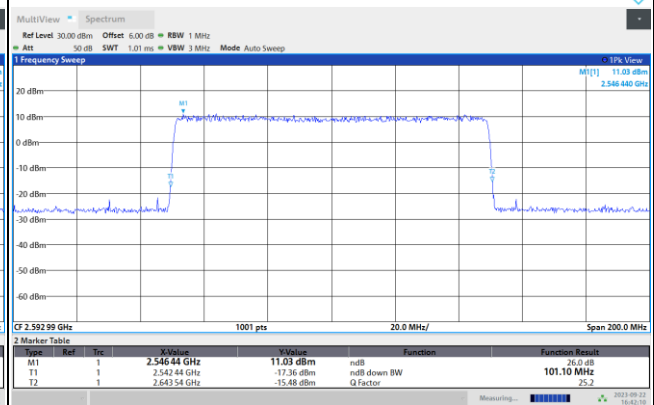
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64QAM



04:41:26 PM 09/22/2023

256QAM



04:42:11 PM 09/22/2023

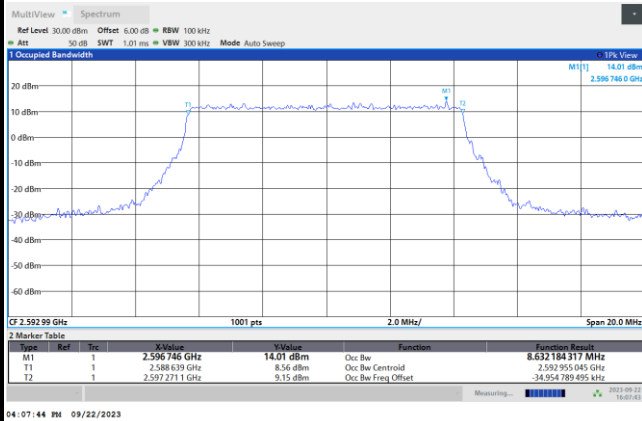
**Occupied Bandwidth**

Mode	5G-FR1 SA UL MIMO n41 (PC2) : OB BW(MHz) / CP OFDM							
BW	10MHz		15MHz		20MHz		25MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	8.63	8.62	13.66	13.69	18.29	18.27	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	8.63	8.62	13.69	13.73	18.27	18.26	-	-
BW	30MHz		40MHz		50MHz		60MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	27.89	27.86	38.07	38.06	47.67	47.64	57.91	57.86
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	27.90	27.87	37.99	38.06	47.59	47.58	57.90	57.89
BW	70MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	67.50	67.45	77.42	77.41	87.49	87.48	97.51	97.40
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	67.48	67.48	77.45	77.40	87.43	87.41	97.47	97.35

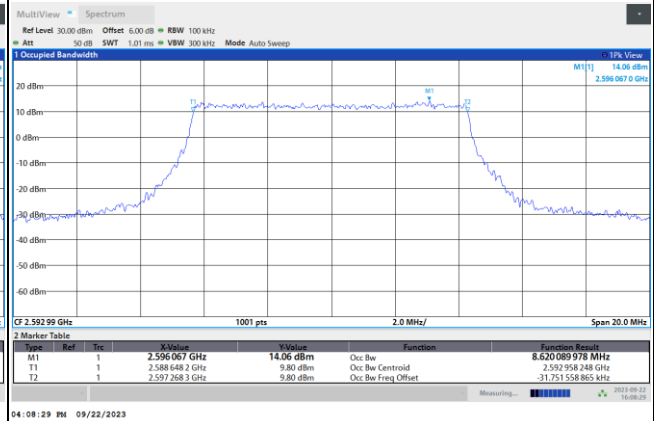


5G-FR1 SA UL MIMO n41 (PC2) / 10MHz / CP OFDM / Middle Channel / Full RB

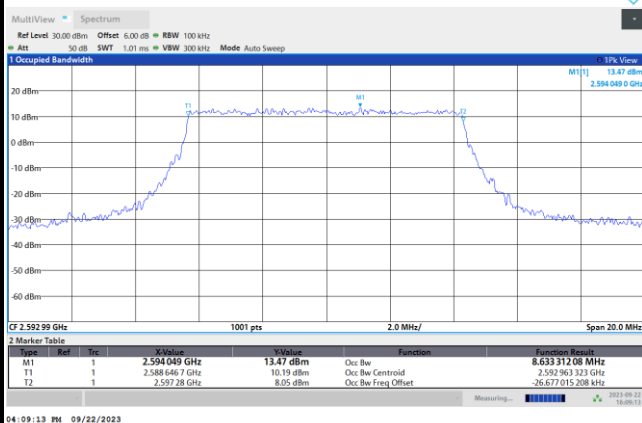
QPSK



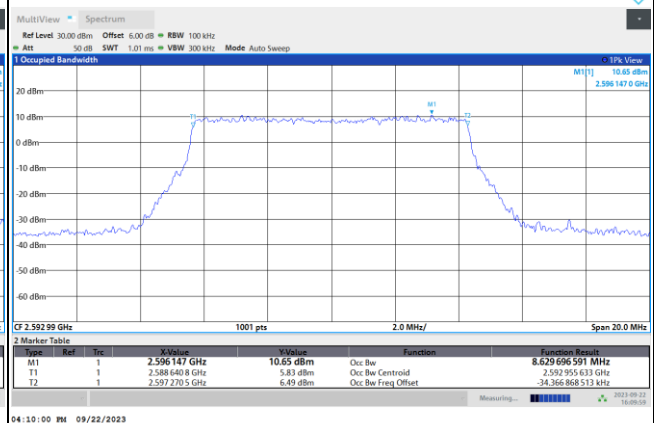
16QAM



64QAM



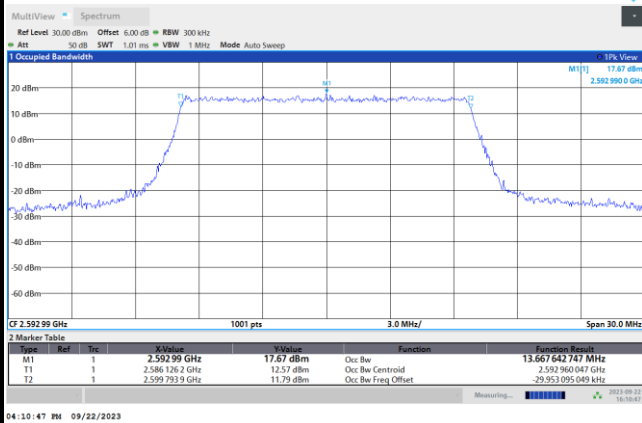
256QAM



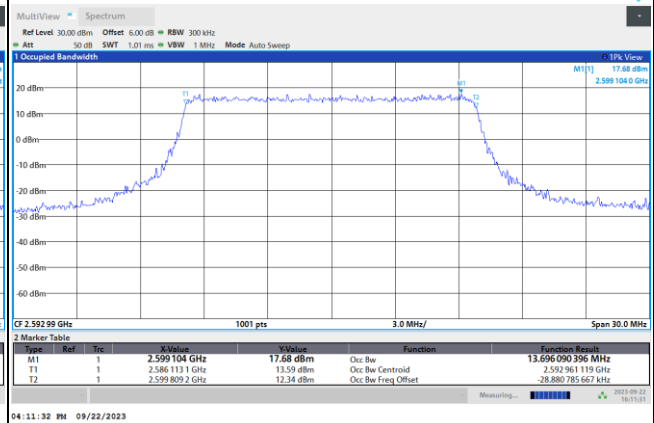


5G-FR1 SA UL MIMO n41 (PC2) / 15MHz / CP OFDM / Middle Channel / Full RB

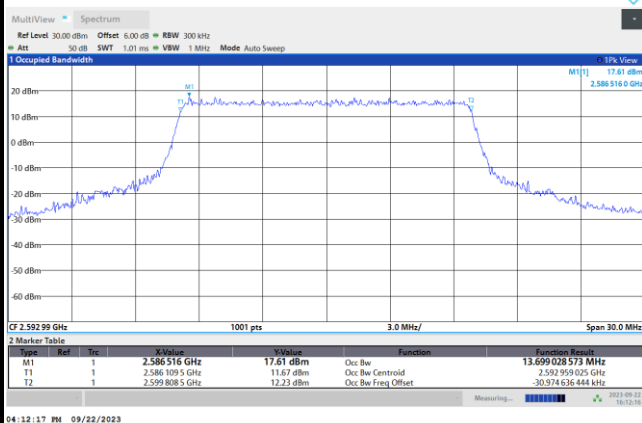
QPSK



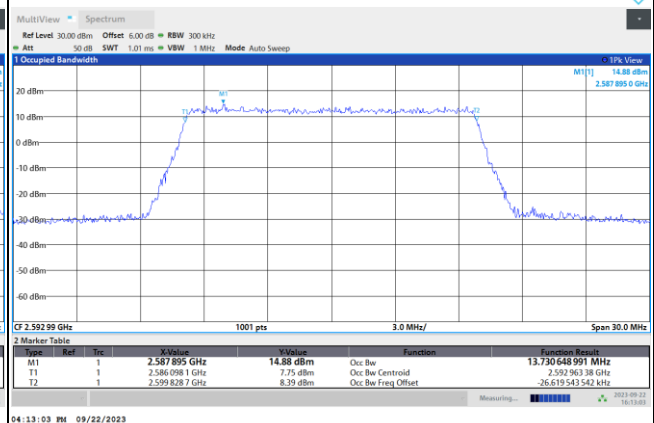
16QAM



64QAM



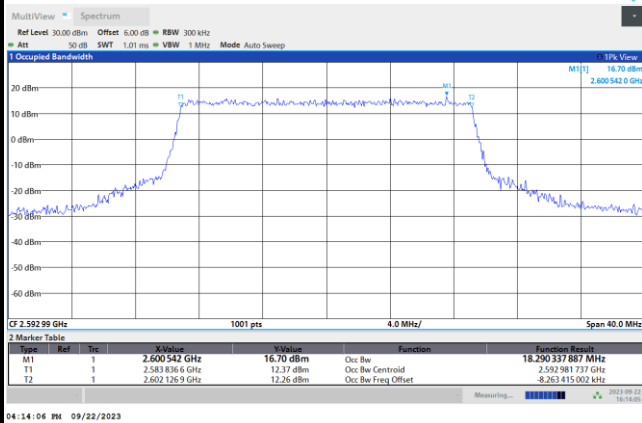
256QAM



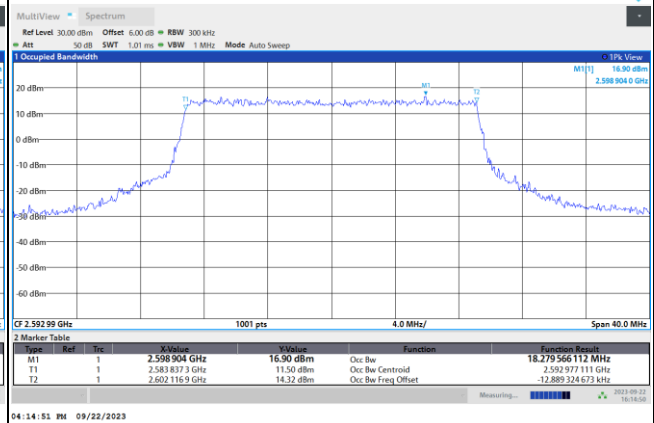


5G-FR1 SA UL MIMO n41 (PC2) / 20MHz / CP OFDM / Middle Channel / Full RB

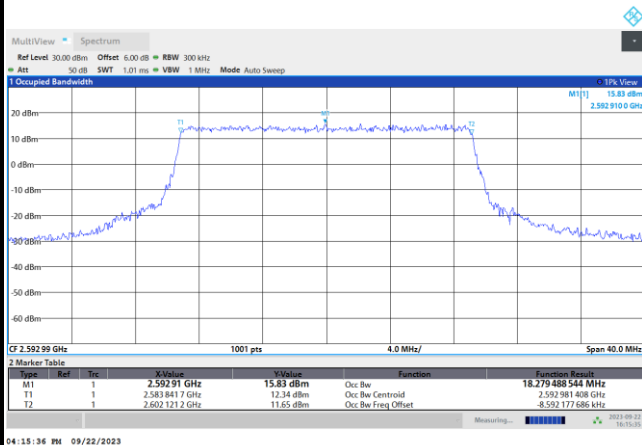
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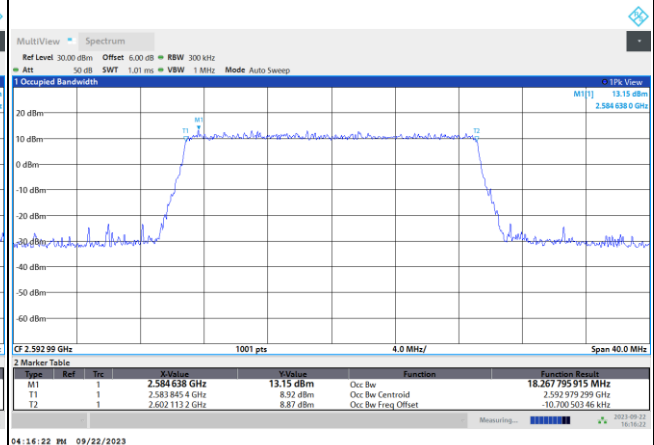
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64QAM



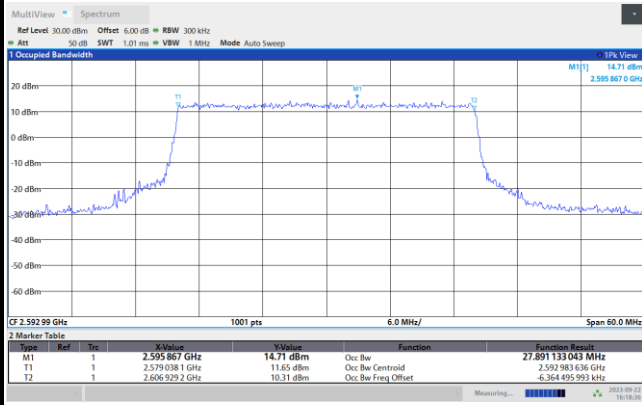
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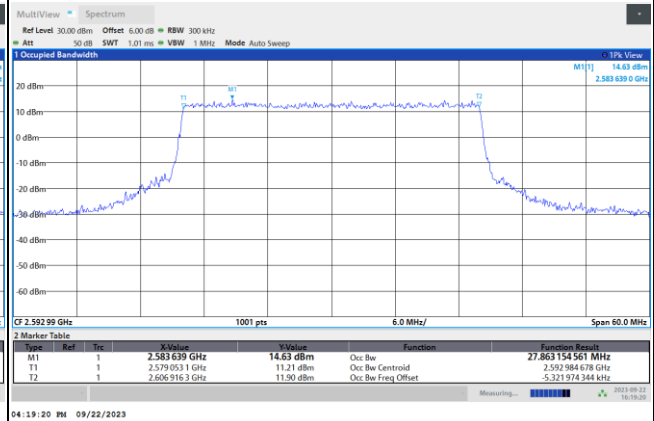


5G-FR1 SA UL MIMO n41 (PC2) / 30MHz / CP OFDM / Middle Channel / Full RB

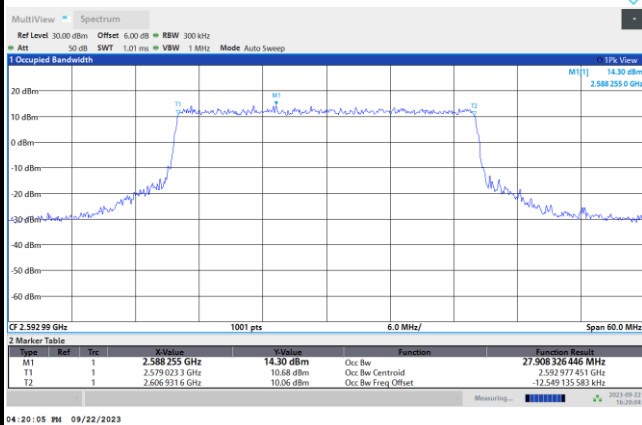
QPSK



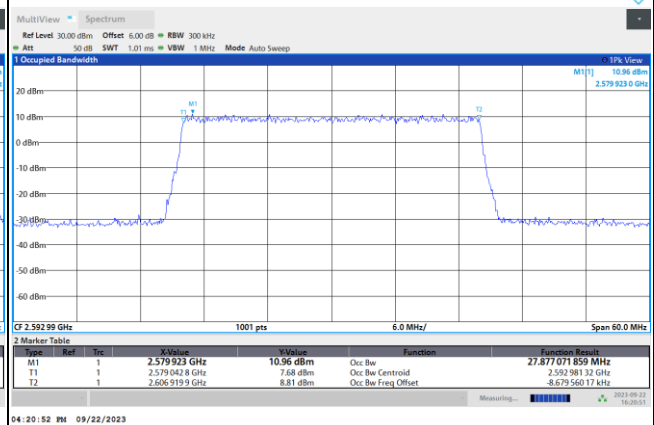
16QAM



64QAM



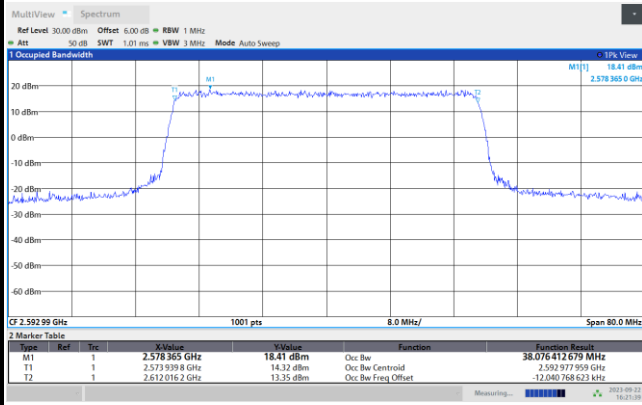
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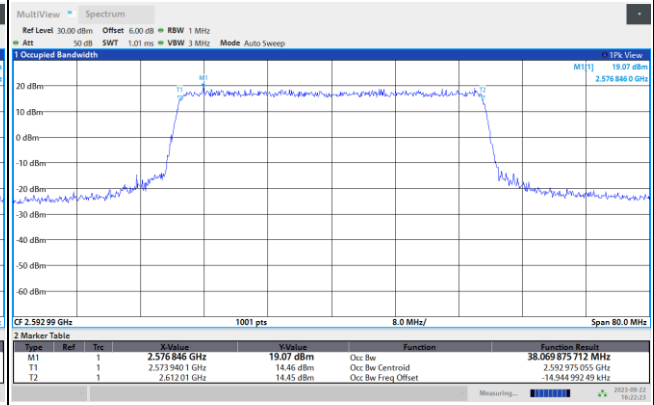


5G-FR1 SA UL MIMO n41 (PC2) / 40MHz / CP OFDM / Middle Channel / Full RB

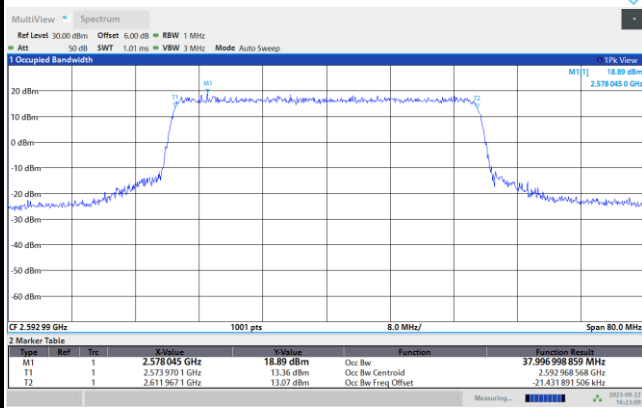
QPSK



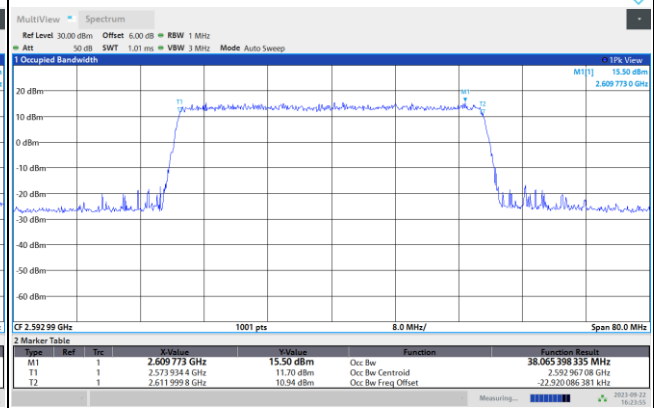
16QAM



64QAM



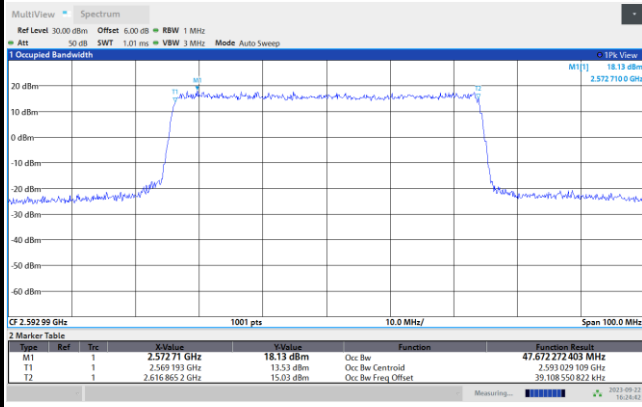
256QAM





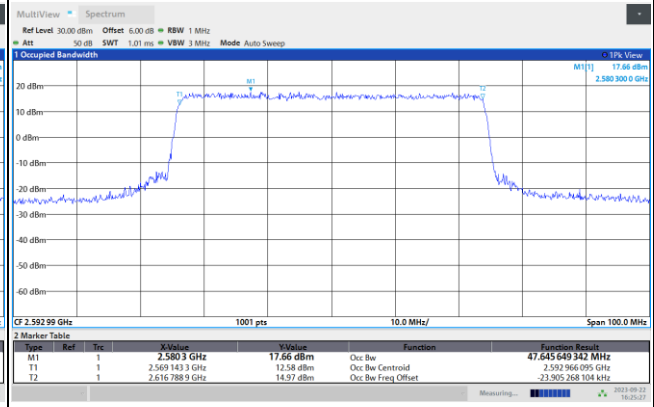
5G-FR1 SA UL MIMO n41 (PC2) / 50MHz / CP OFDM / Middle Channel / Full RB

QPSK



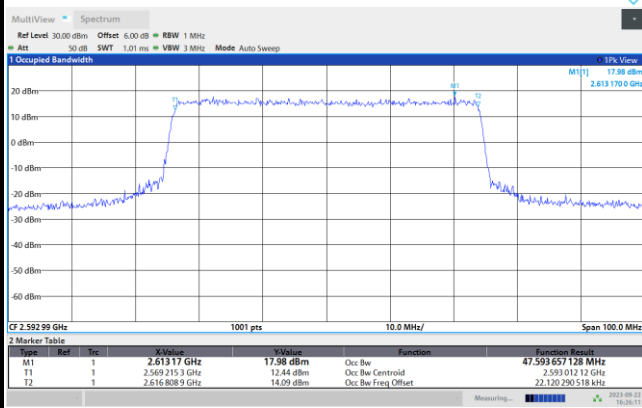
04:24:43 PM 09/22/2023

16QAM



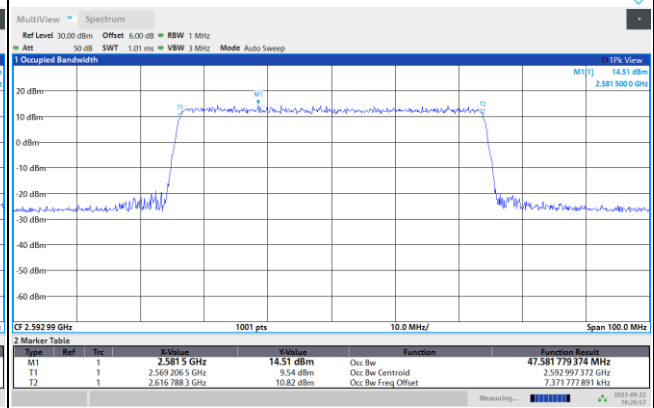
04:25:27 PM 09/22/2023

64QAM



04:26:12 PM 09/22/2023

256QAM

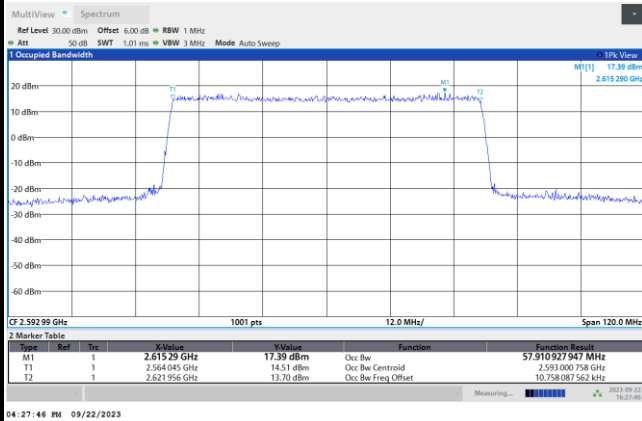


04:26:58 PM 09/22/2023

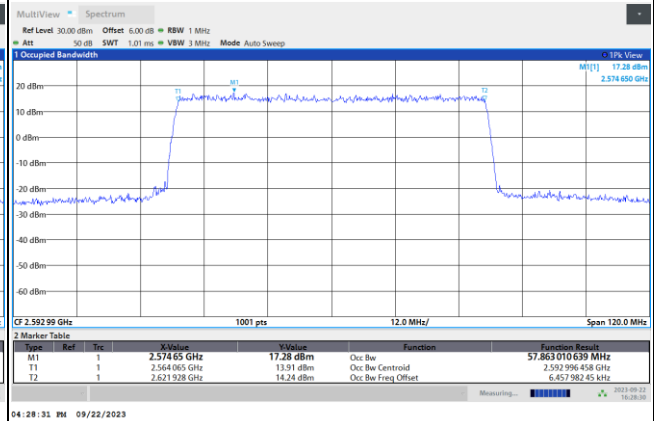


5G-FR1 SA UL MIMO n41 (PC2) / 60MHz / CP OFDM / Middle Channel / Full RB

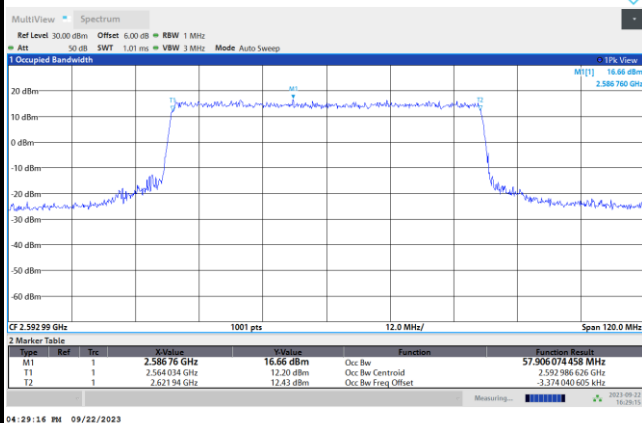
QPSK



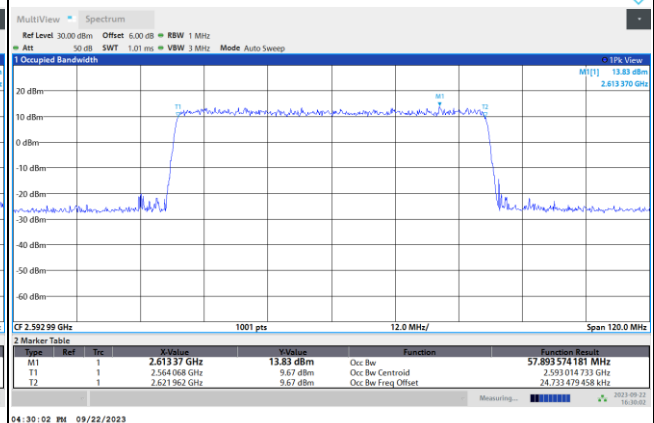
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64QAM



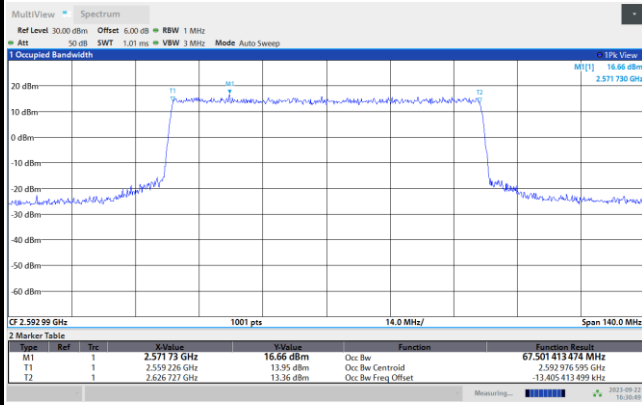
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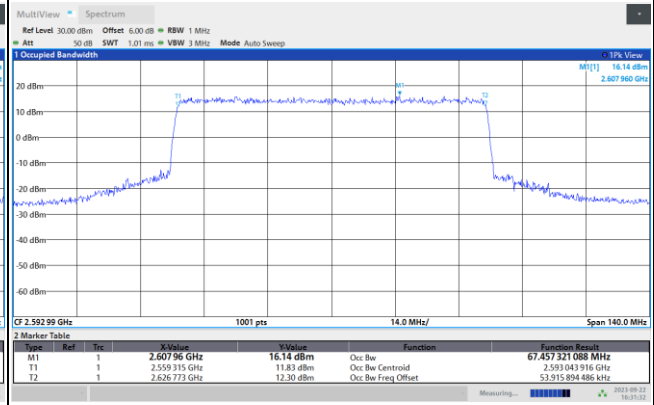


5G-FR1 SA UL MIMO n41 (PC2) / 70MHz / CP OFDM / Middle Channel / Full RB

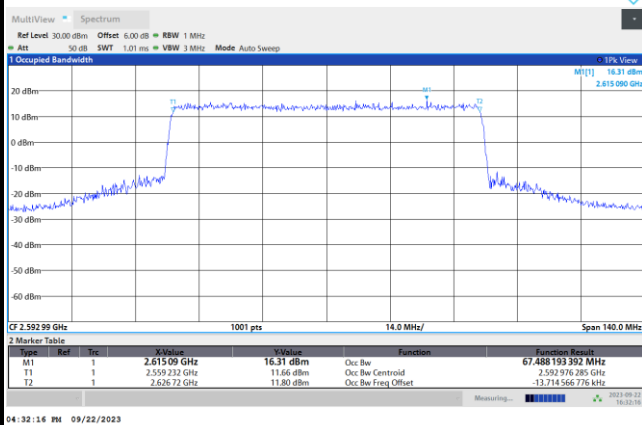
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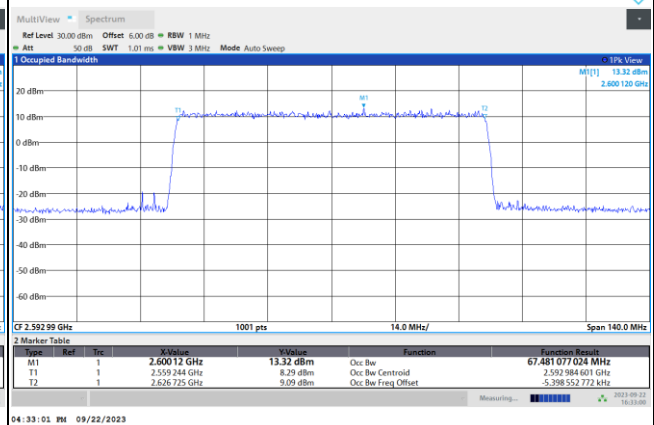
16QAM



64QAM



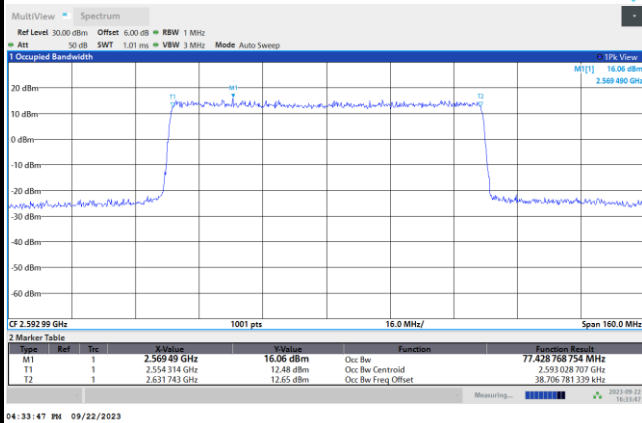
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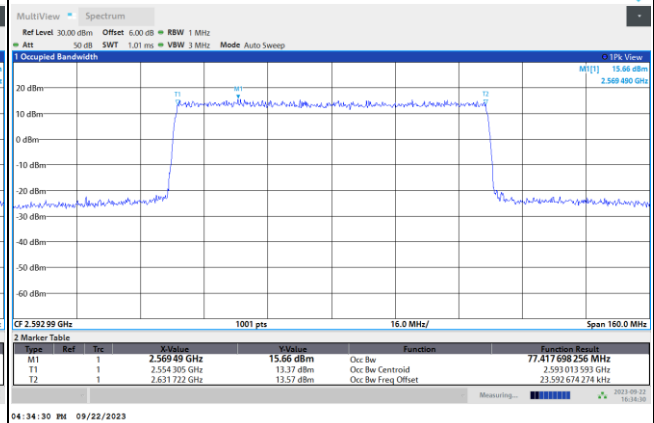


5G-FR1 SA UL MIMO n41 (PC2) / 80MHz / CP OFDM / Middle Channel / Full RB

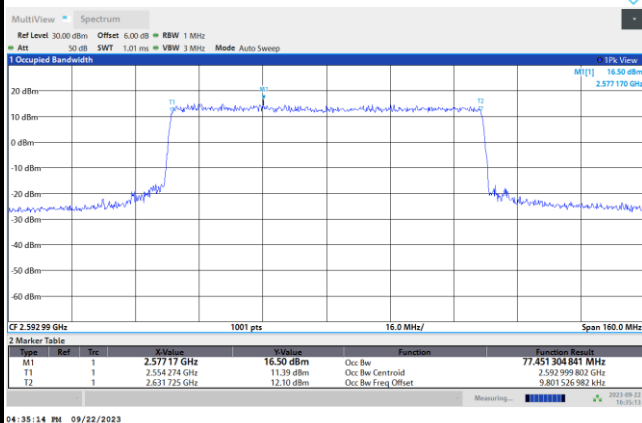
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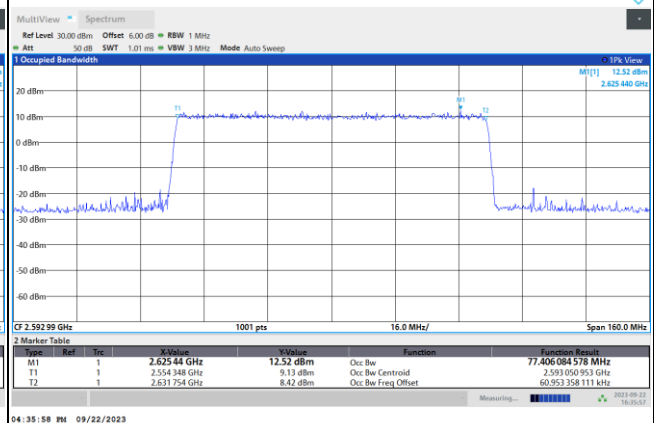
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64QAM



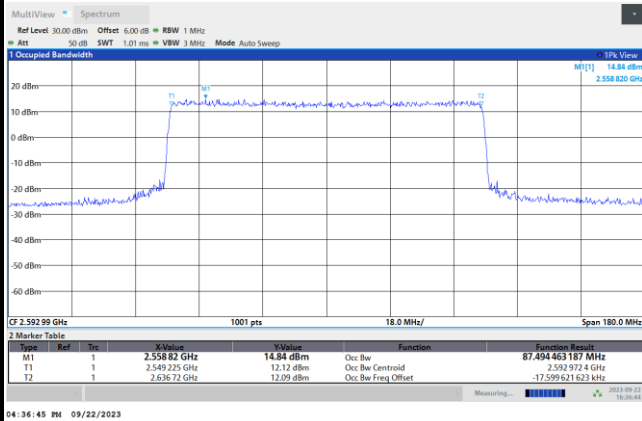
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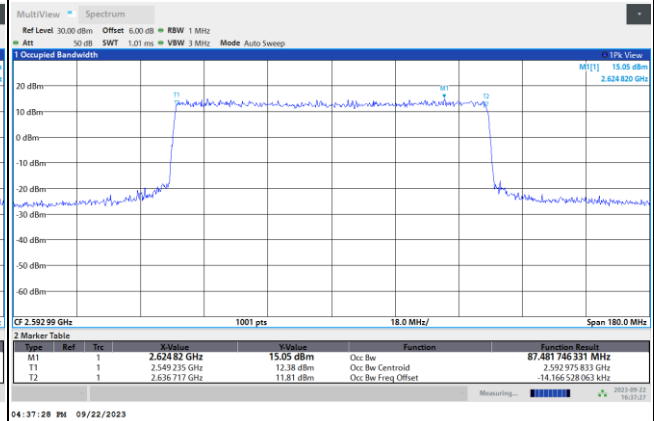


5G-FR1 SA UL MIMO n41 (PC2) / 90MHz / CP OFDM / Middle Channel / Full RB

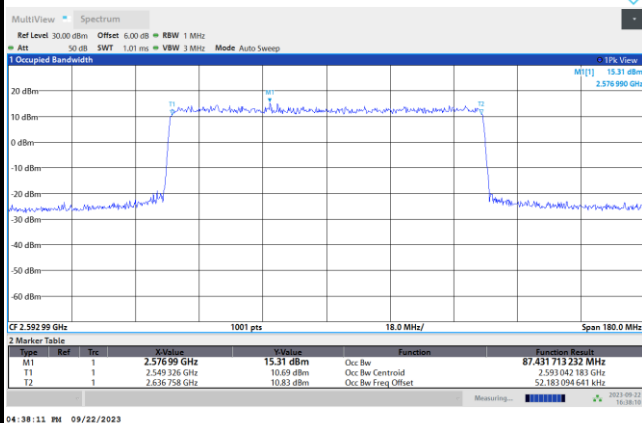
QPSK



16QAM



64QAM



256QAM

