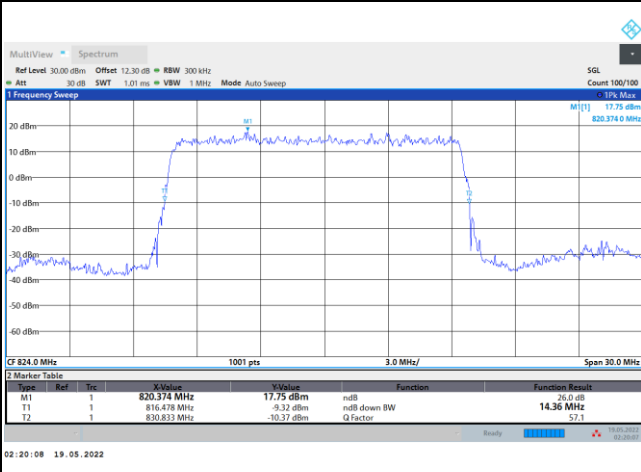




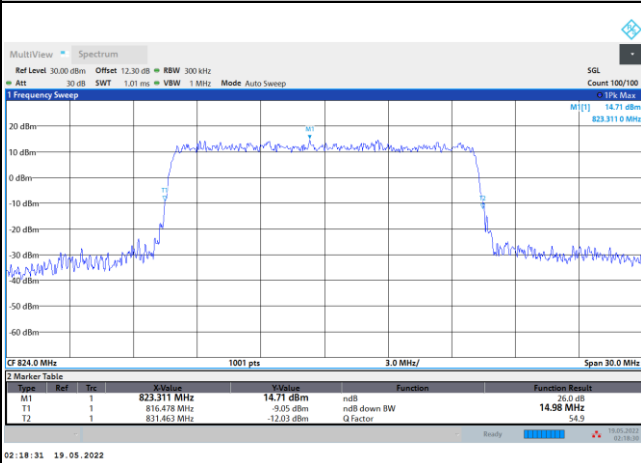
FR1 n26 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

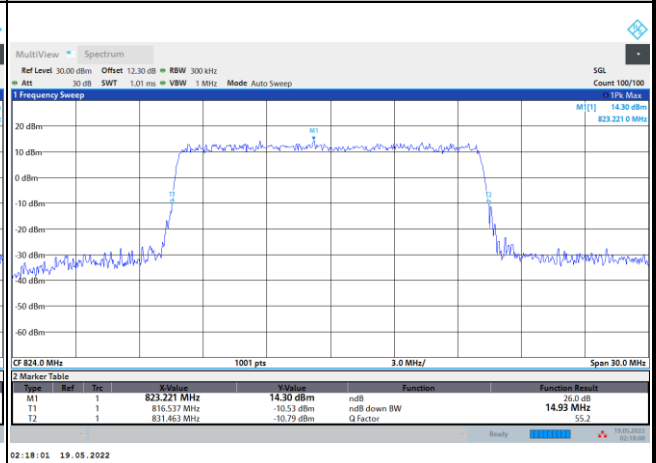


FR1 n26 / 15MHz / CP OFDM / Middle Channel / Full RB

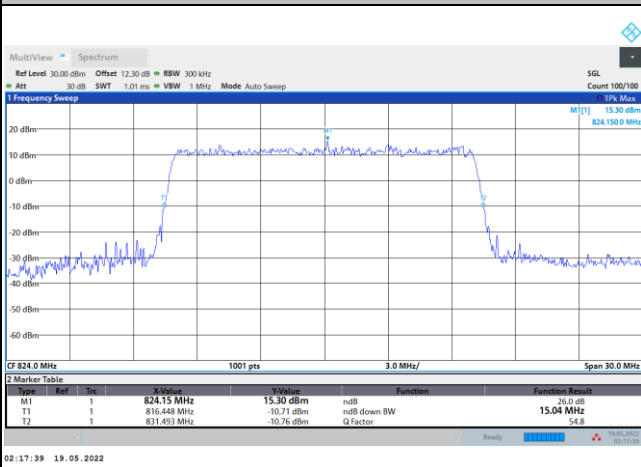
QPSK



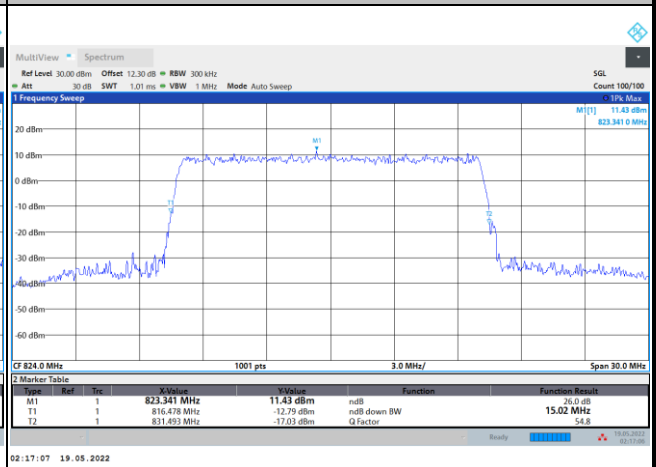
16QAM



64QAM



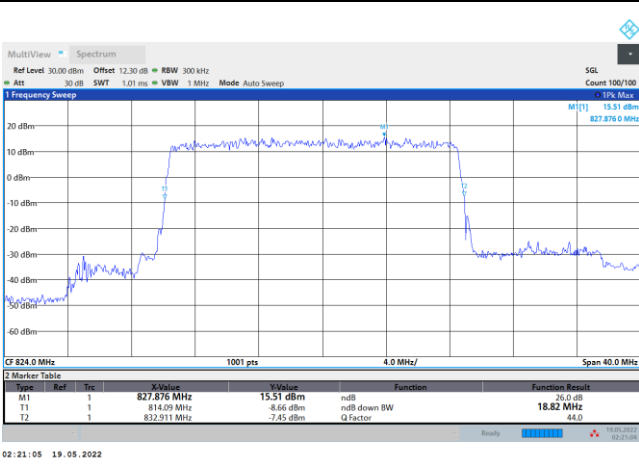
256QAM





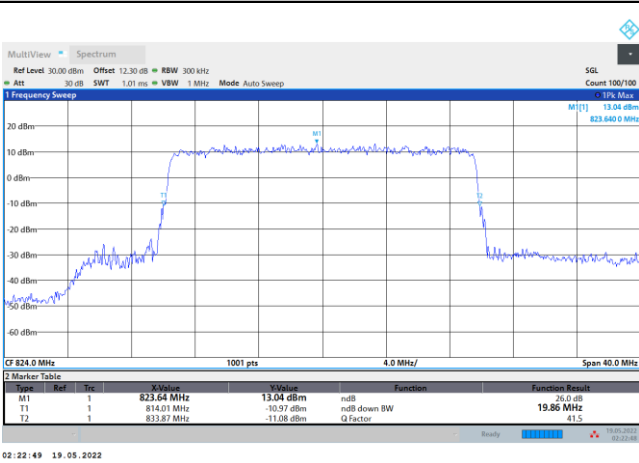
FR1 n26 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

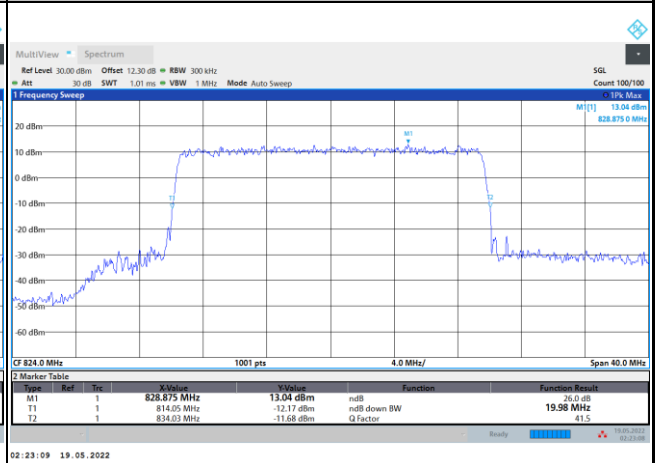


FR1 n26 / 20MHz / CP OFDM / Middle Channel / Full RB

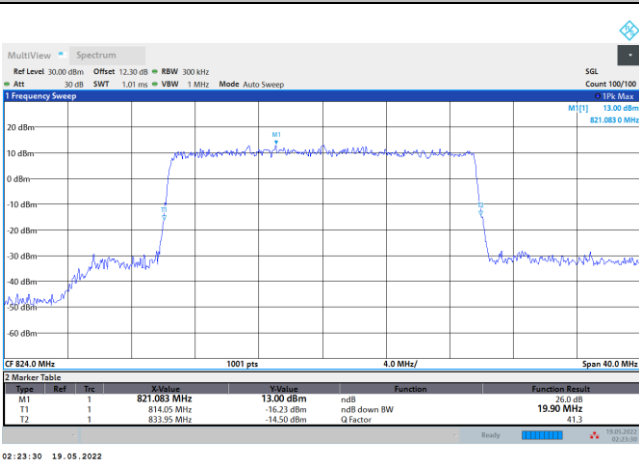
QPSK



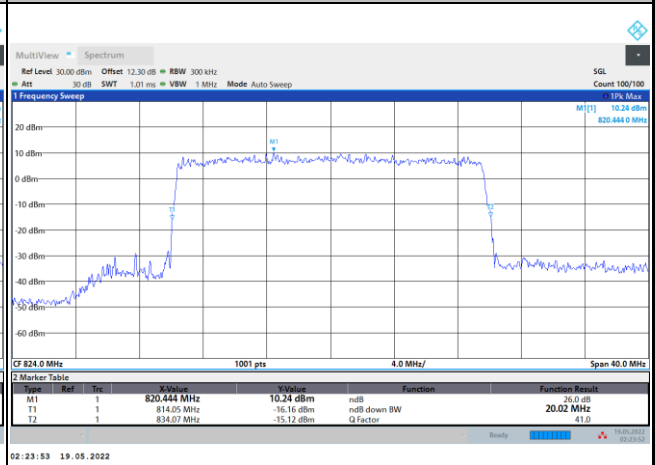
16QAM



64QAM



256QAM





**Occupied Bandwidth**

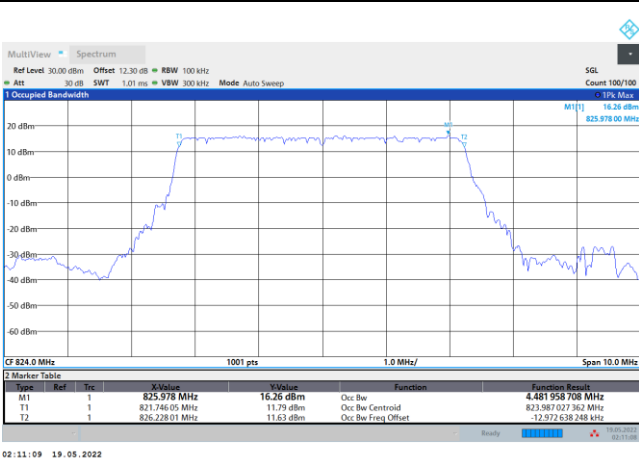
Mode	FR1 n26 : 99%OBW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	4.48		8.90		13.50		17.89	

Mode	FR1 n26 : 99%OBW (MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.50	4.48	9.28	9.26	14.14	14.14	18.88	18.96
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	4.51	4.50	9.27	9.27	14.18	14.11	18.86	18.90



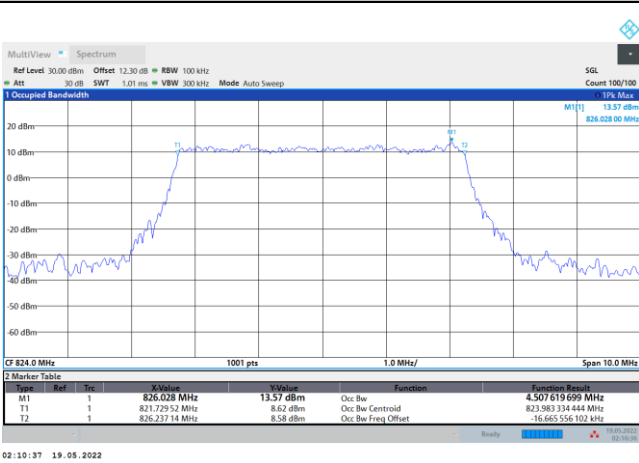
FR1 n26 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

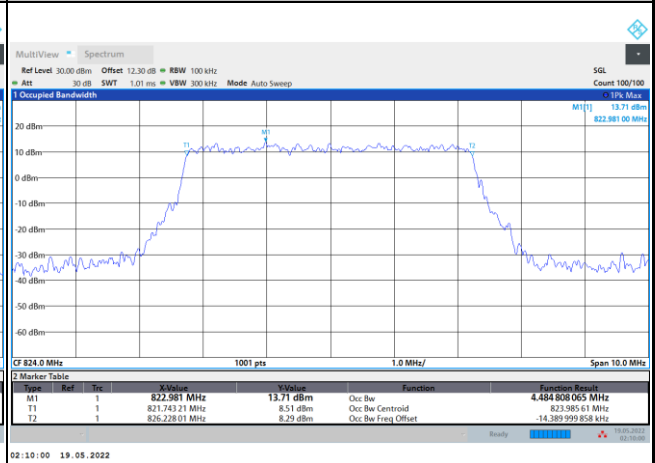


FR1 n26 / 5MHz / CP OFDM / Middle Channel / Full RB

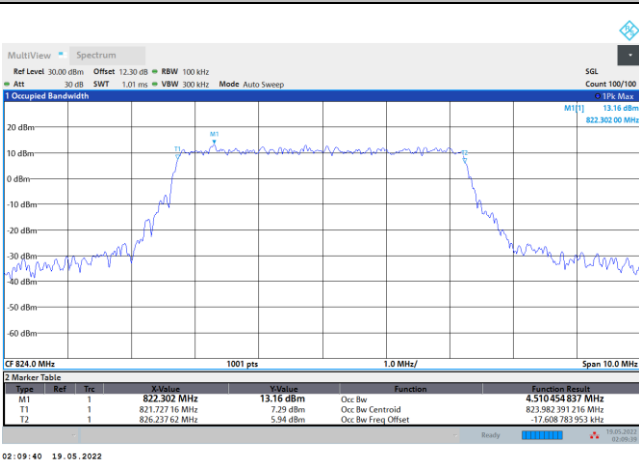
QPSK



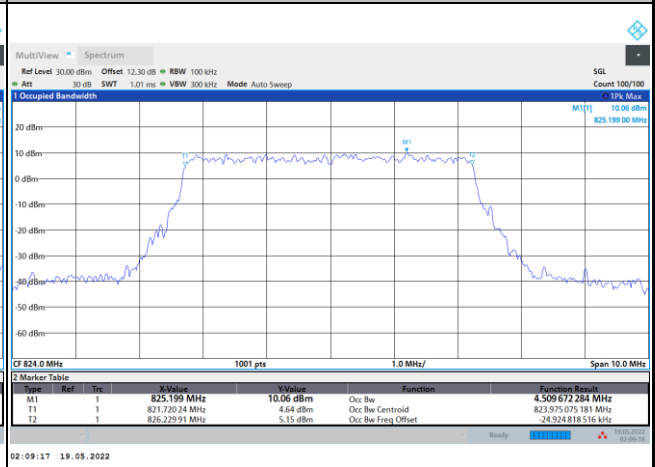
16QAM



64QAM



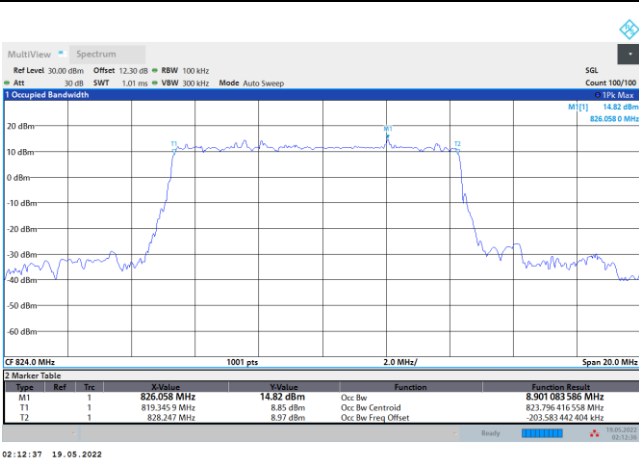
256QAM





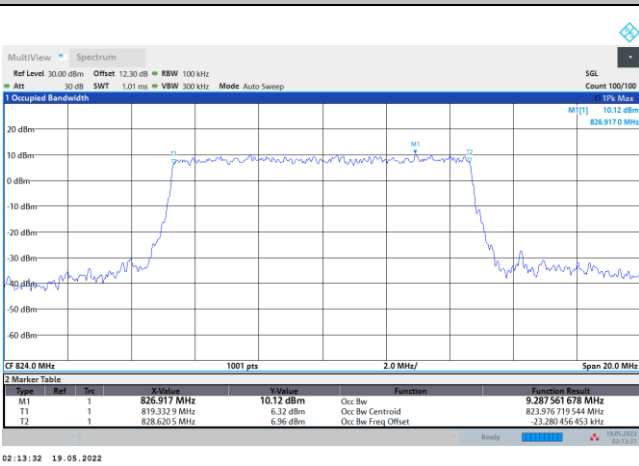
FR1 n26 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

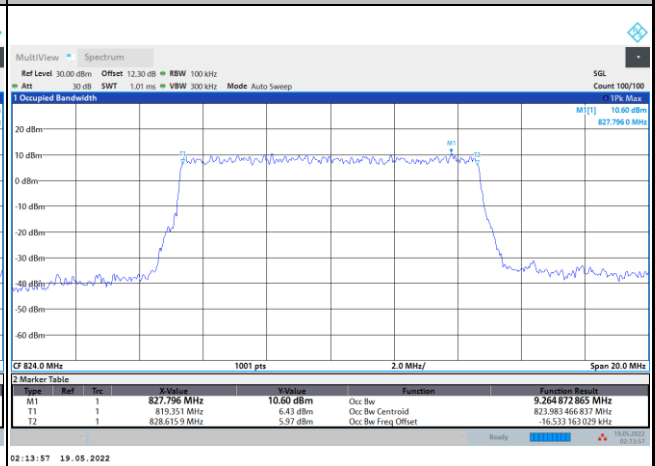


FR1 n26 / 10MHz / CP OFDM / Middle Channel / Full RB

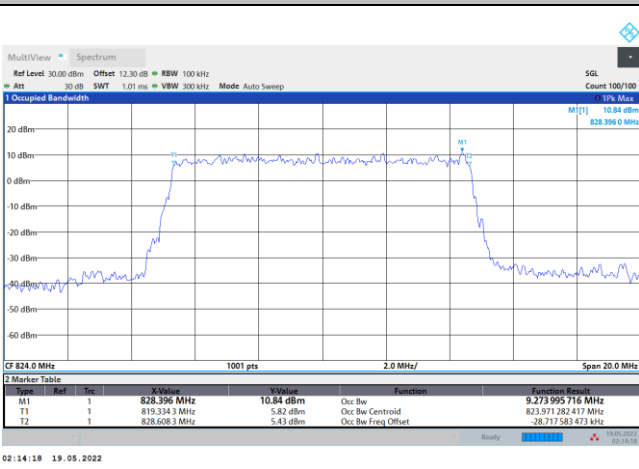
QPSK



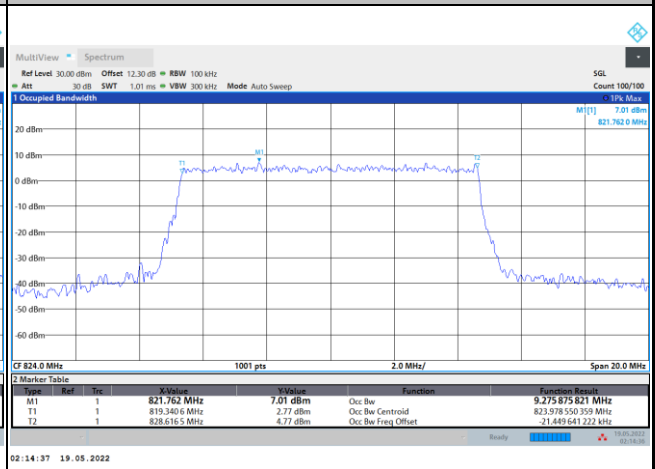
16QAM



64QAM



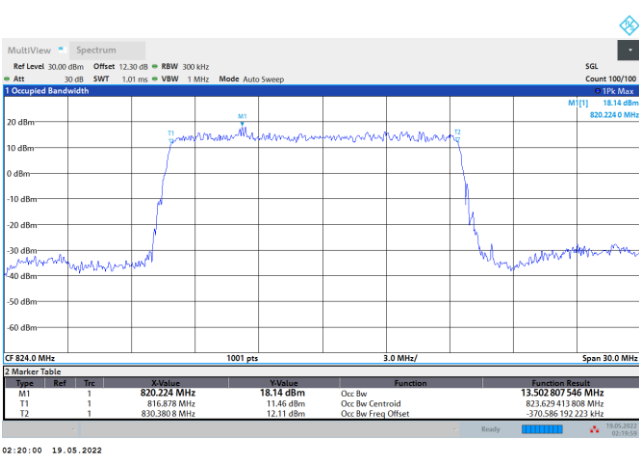
256QAM





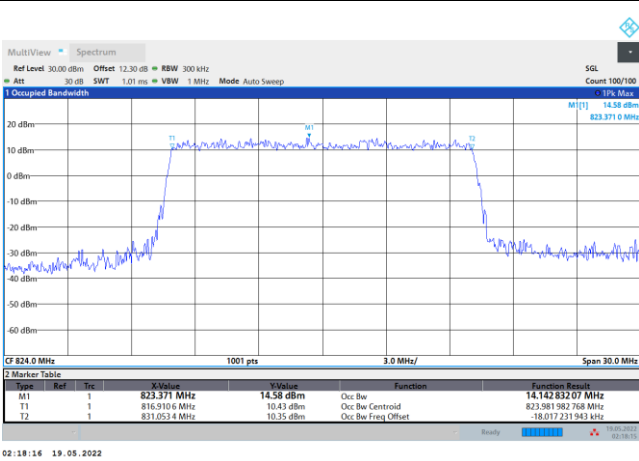
FR1 n26 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

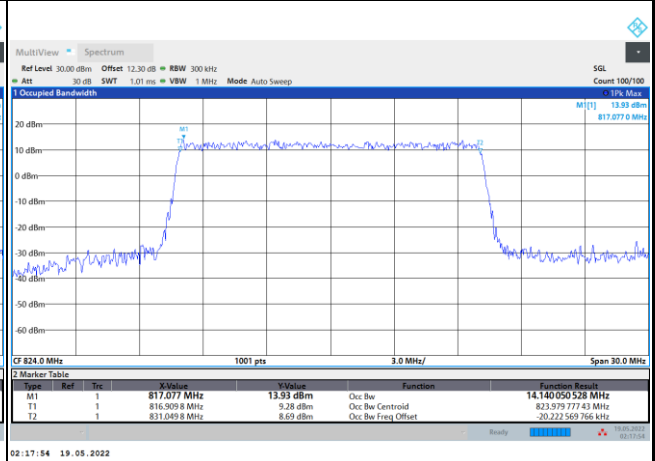


FR1 n26 / 15MHz / CP OFDM / Middle Channel / Full RB

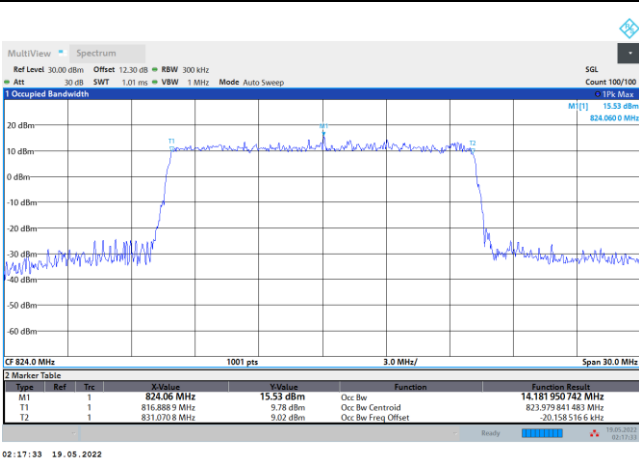
QPSK



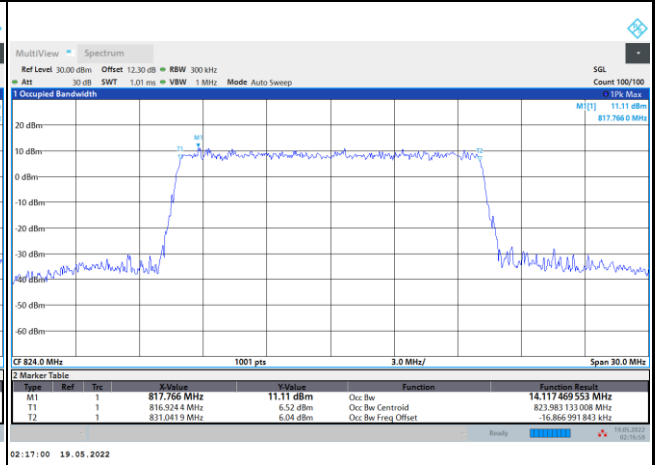
16QAM



64QAM



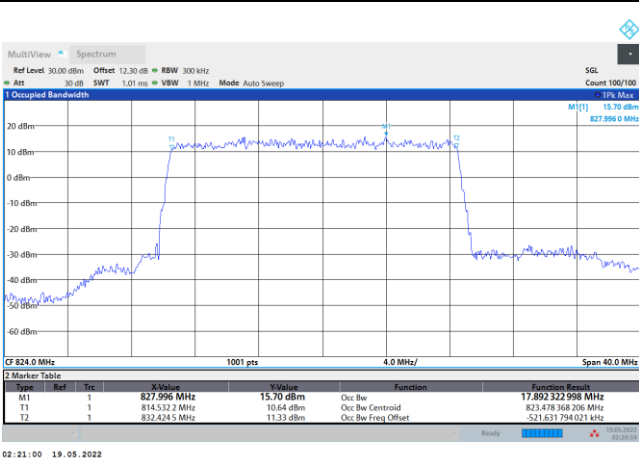
256QAM





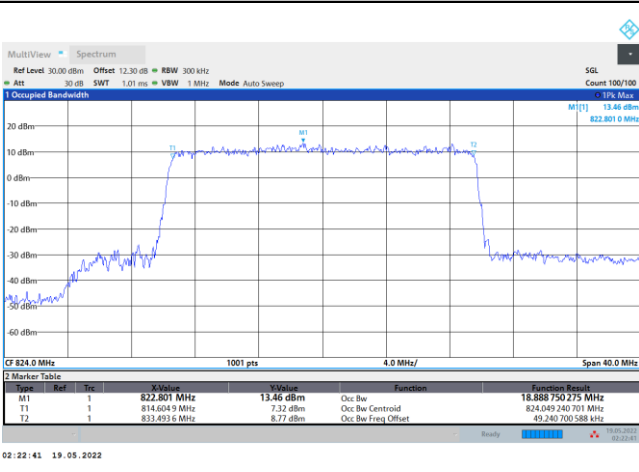
FR1 n26 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

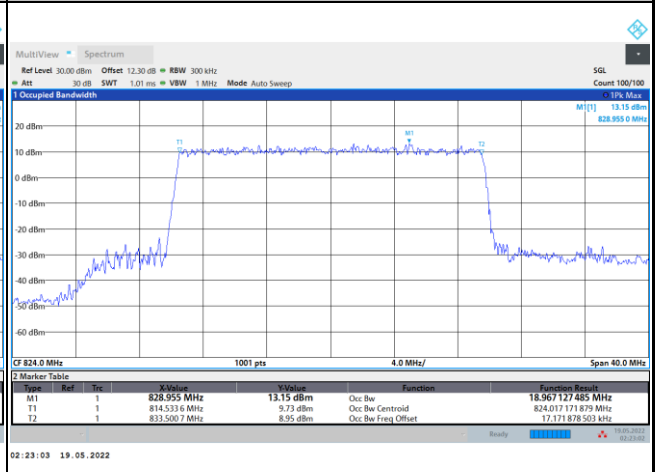


FR1 n26 / 20MHz / CP OFDM / Middle Channel / Full RB

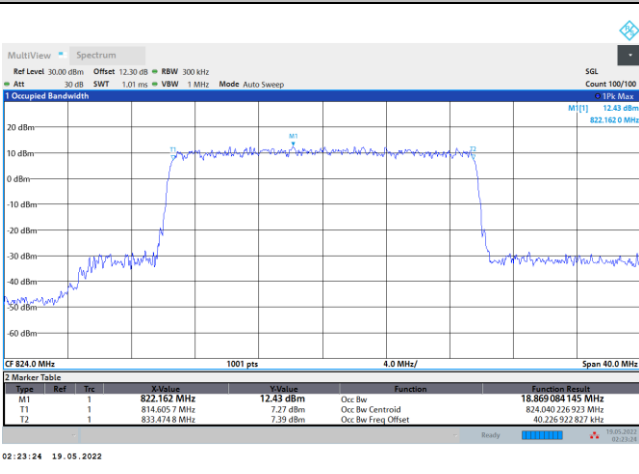
QPSK



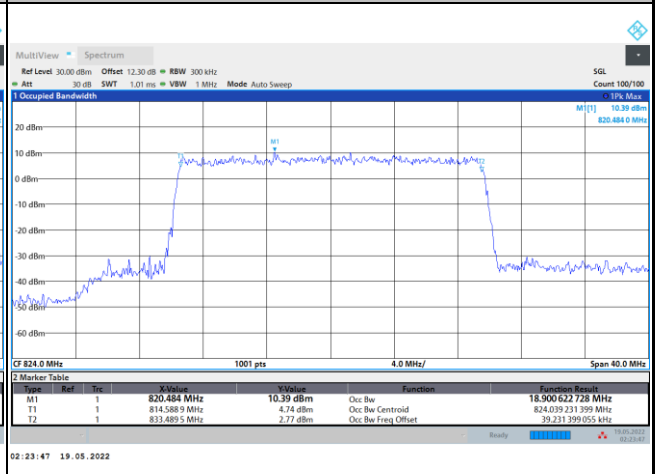
16QAM



64QAM



256QAM

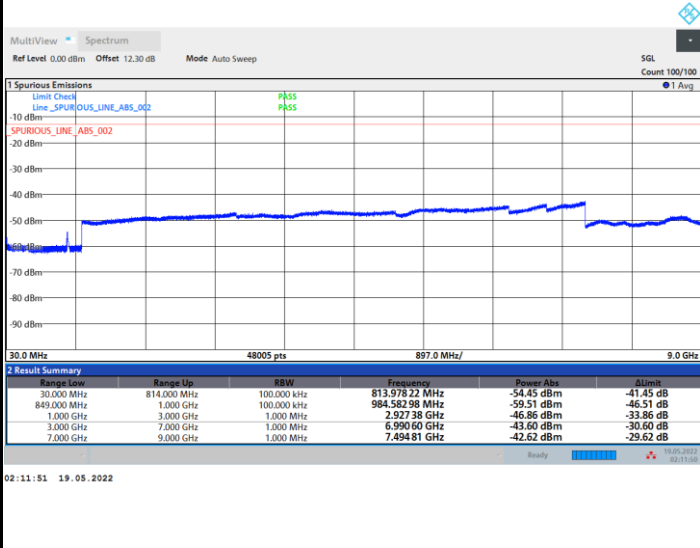




# Conducted Spurious Emission

FR1 n26 / 20MHz / DFT-S OFDM / QPSK / 1RB1

## Middle Channel







### Frequency Stability

Test Conditions		FR1 n26 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0075	PASS
40	Normal Voltage	0.0068	
30	Normal Voltage	0.0059	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0063	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0035	
-20	Normal Voltage	0.0026	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0024	

**Note:**

- 1. Normal Voltage = 3.85 V. ; Battery End Point (BEP) = 3.30 V. ; Maximum Voltage = 4.25 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



### Appendix B. Test Results of Radiated Test

<Ant. 0>

### 5G NR n26

5G NR n26 / 20MHz / PI/2 BPSK									
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Margin ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle (Straddle)	1632	-63.79	-13	-50.79	-75.51	-65.6	0.97	4.93	H
	2448	-48.28	-13	-35.28	-64.78	-50.1	1.27	5.24	H
	3256	-58.85	-13	-45.85	-77.39	-62.1	1.53	6.93	H
									H
									H
									H
									H
	1632	-62.29	-13	-49.29	-73.88	-64.1	0.97	4.93	V
	2448	-49.13	-13	-36.13	-66.03	-50.95	1.27	5.24	V
	3256	-57.95	-13	-44.95	-77.39	-61.2	1.53	6.93	V
									V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



5G NR n26 / 10MHz / PI/2 BPSK									
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Margin ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1632	-63.79	-13	-50.79	-75.02	-65.6	0.97	4.93	H
	2448	-53.08	-13	-40.08	-70.19	-54.9	1.27	5.24	H
	3256	-58.85	-13	-45.85	-77.59	-62.1	1.53	6.93	H
									H
									H
									H
									H
	1632	-61.79	-13	-48.79	-73.27	-63.6	0.97	4.93	V
	2448	-52.48	-13	-39.48	-69.77	-54.3	1.27	5.24	V
	3256	-57.95	-13	-44.95	-77.26	-61.2	1.53	6.93	V
									V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



5G NR n26 / 5MHz / PI/2 BPSK									
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Margin ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1628	-63.78	-13	-50.78	-75.05	-65.6	0.97	4.94	H
	2440	-57.90	-13	-44.90	-74.5	-59.7	1.27	5.22	H
	3256	-57.85	-13	-44.85	-76.83	-61.1	1.53	6.93	H
									H
									H
									H
	1628	-63.48	-13	-50.48	-75.54	-65.3	0.97	4.94	V
	2440	-57.40	-13	-44.40	-74.52	-59.2	1.27	5.22	V
	3256	-58.05	-13	-45.05	-77.09	-61.3	1.53	6.93	V
									V
									V
									V
									V
	Middle	1633	-63.69	-13	-50.69	-75.28	-65.5	0.97	4.93
2448		-52.78	-13	-39.78	-69.55	-54.6	1.27	5.24	H
3266		-58.91	-13	-45.91	-77.45	-62.2	1.53	6.97	H
									H
									H
									H
1633		-62.99	-13	-49.99	-74.98	-64.8	0.97	4.93	V
2448		-55.68	-13	-42.68	-72.62	-57.5	1.27	5.24	V
3266		-58.21	-13	-45.21	-77.61	-61.5	1.53	6.97	V
									V
									V
									V
									V



Highest	1640	-63.82	-13	-50.82	-75.47	-65.6	0.97	4.91	H
	2456	-54.06	-13	-41.06	-70.7	-55.9	1.28	5.27	H
	3276	-58.87	-13	-45.87	-77.8	-62.2	1.53	7.01	H
									H
									H
									H
									H
	1640	-62.42	-13	-49.42	-74.65	-64.2	0.97	4.91	V
	2456	-54.66	-13	-41.66	-72.11	-56.5	1.28	5.27	V
	3276	-58.87	-13	-45.87	-77.81	-62.2	1.53	7.01	V
									V
									V
									V
									V

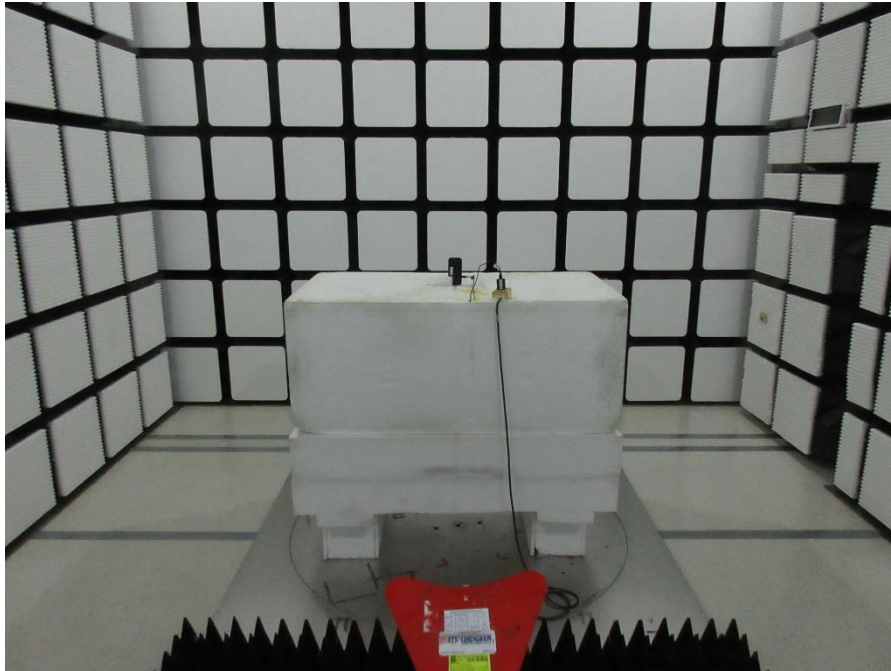
**Remark:** Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

## Appendix C. Setup Photographs

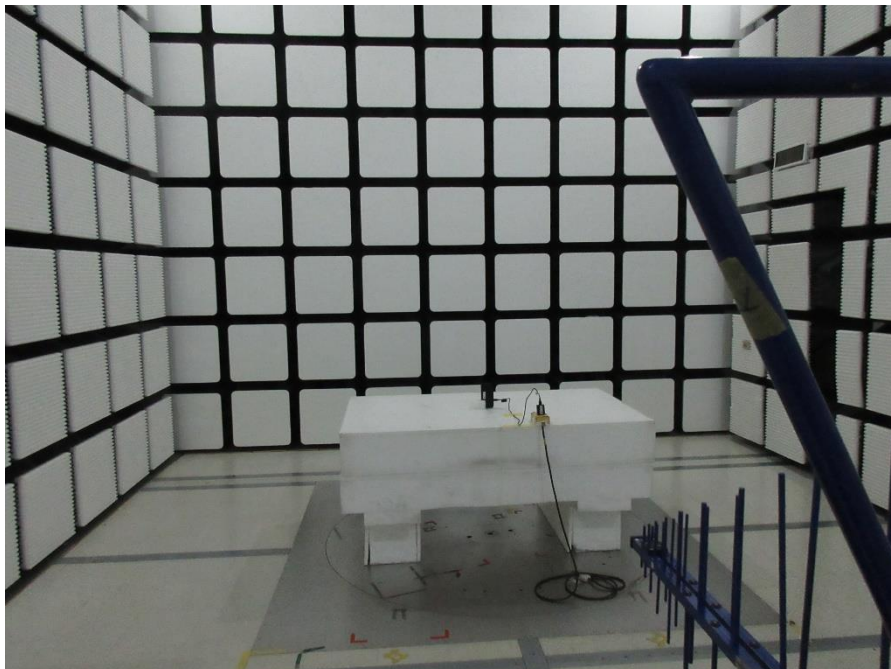
<Radiated Emission>

Z Plane with Adapter

LF



HF



—————THE END—————