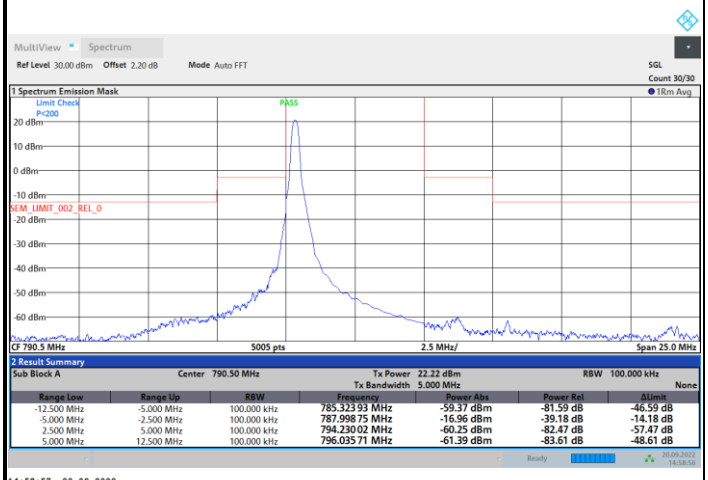
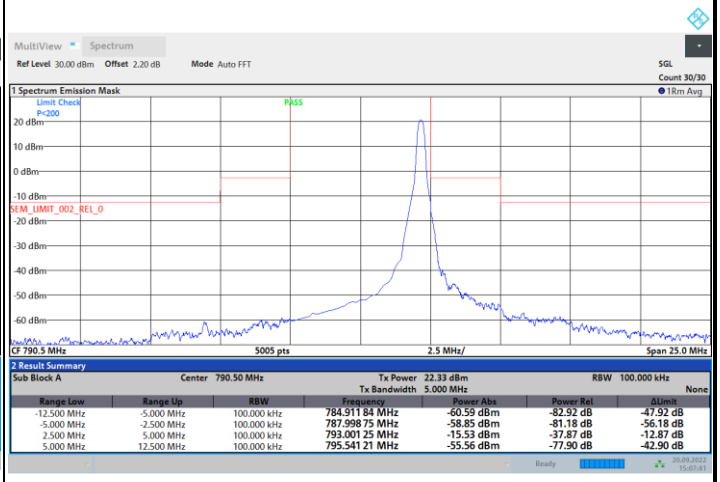
FR1 n14 / 5MHz / DFT-S OFDM / QPSK

Lowest Channel

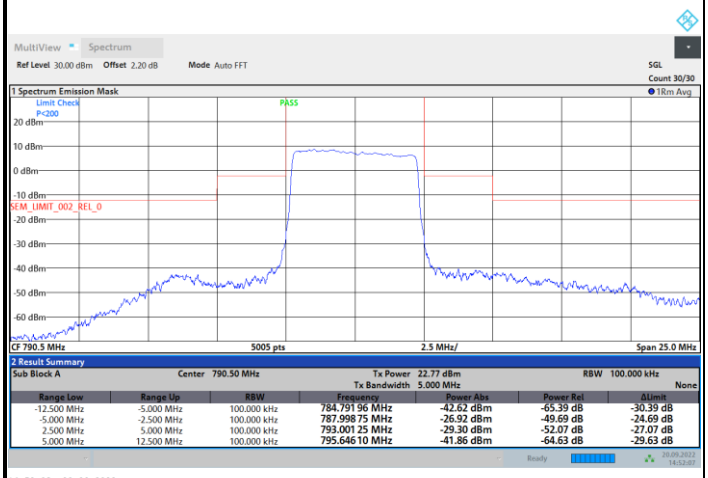
1RB0



1RBmax



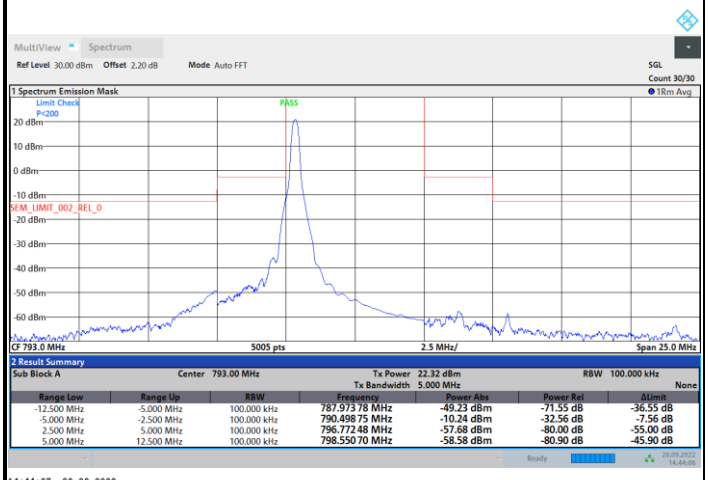
Full RB



FR1 n14 / 5MHz / DFT-S OFDM / QPSK

Middle Channel

1RB0



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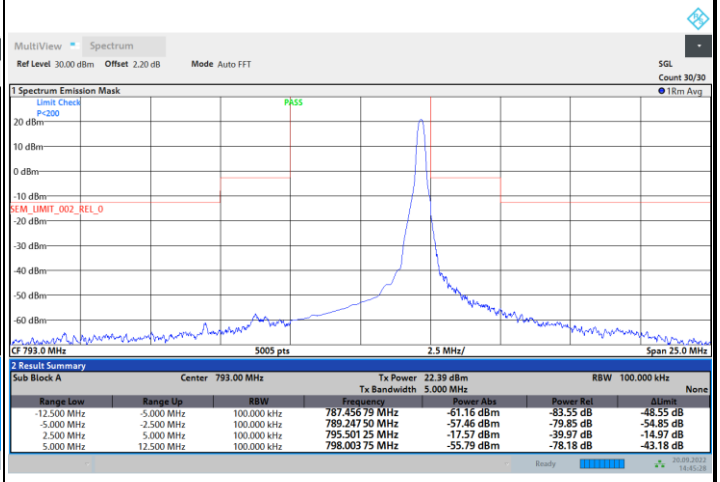
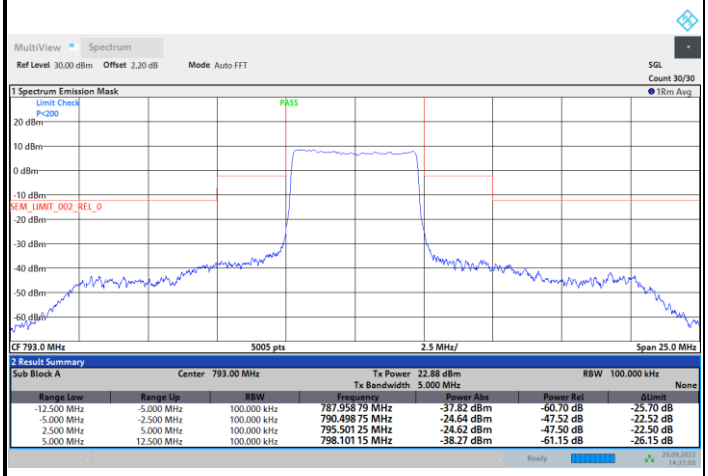


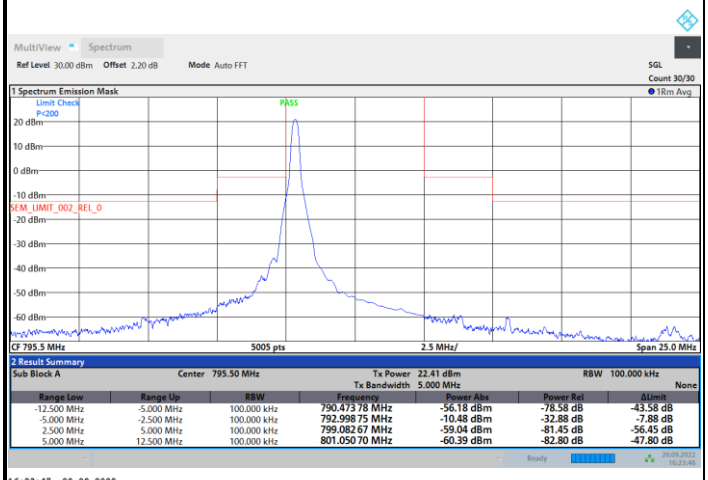
Full RB



FR1 n14 / 5MHz / DFT-S OFDM / QPSK

Highest Channel

1RB0



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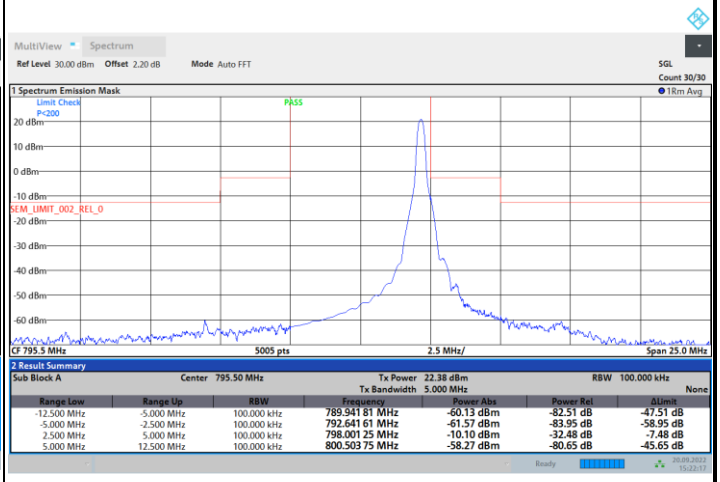
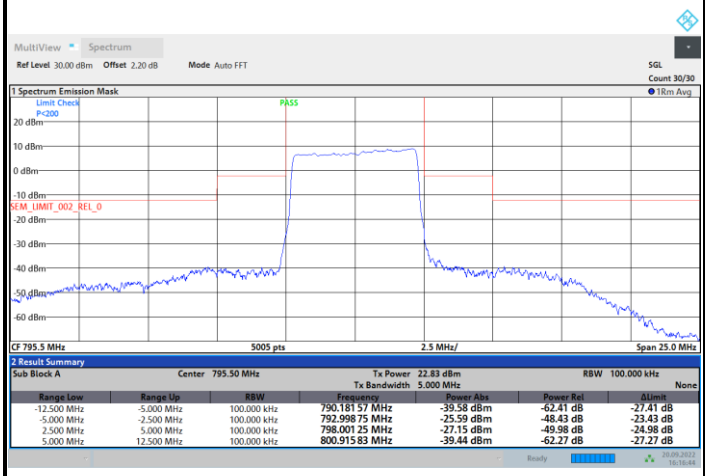


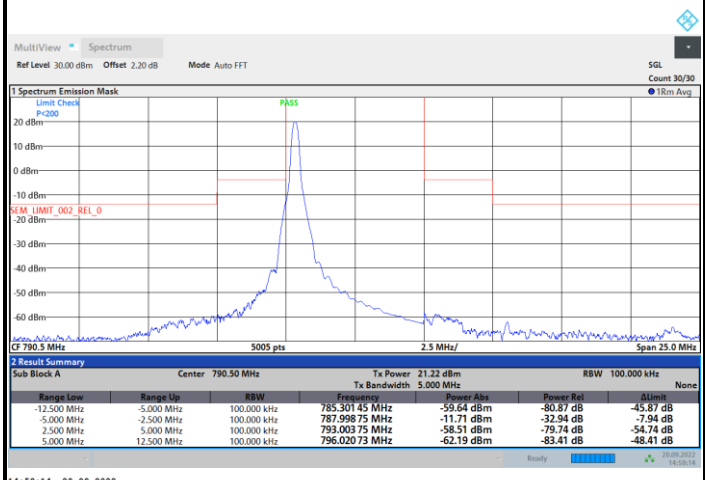
Full RB



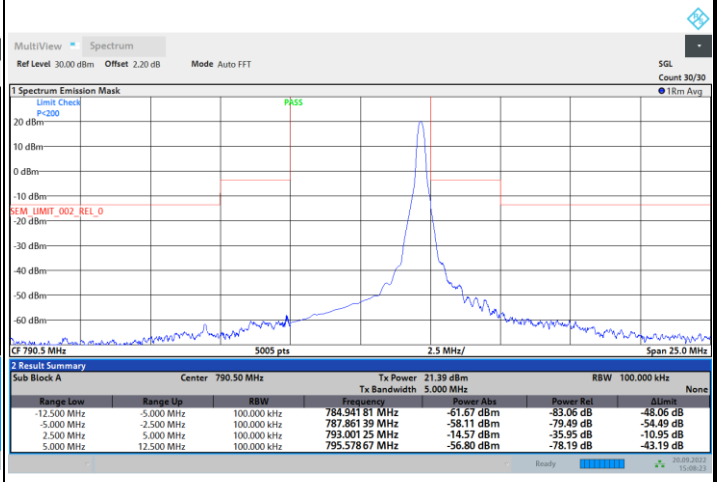
FR1 n14 / 5MHz / DFT-S OFDM / 16QAM

Lowest Channel

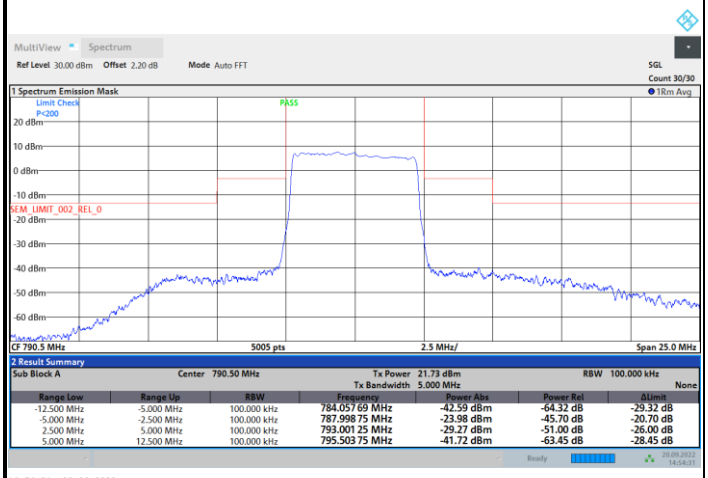
1RB0



1RBmax



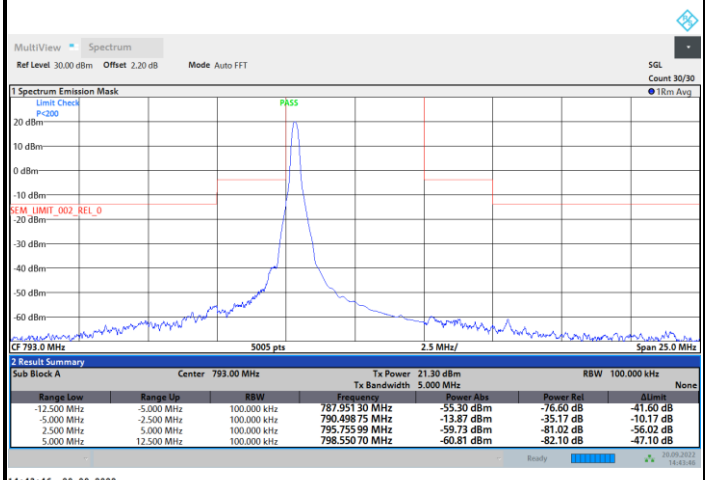
Full RB



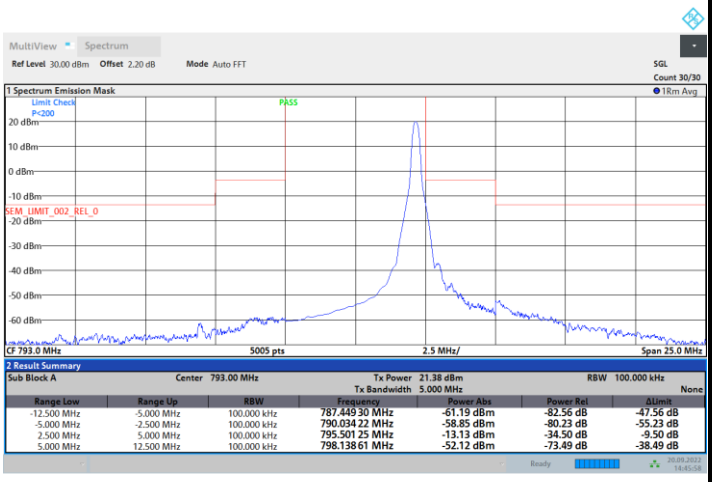
FR1 n14 / 5MHz / DFT-S OFDM / 16QAM

Middle Channel

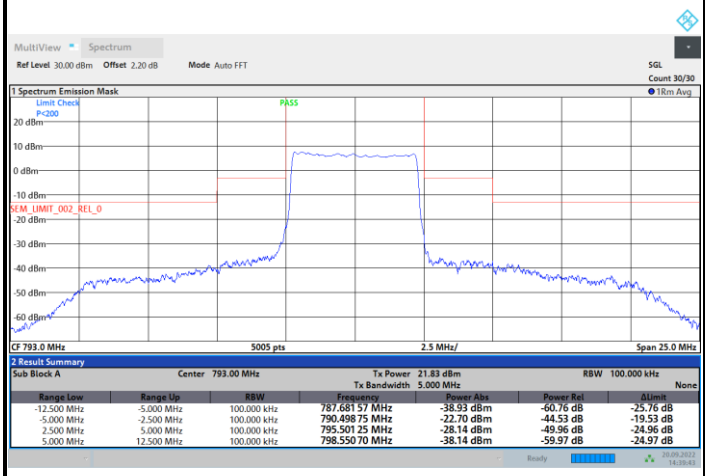
1RB0



1RBmax



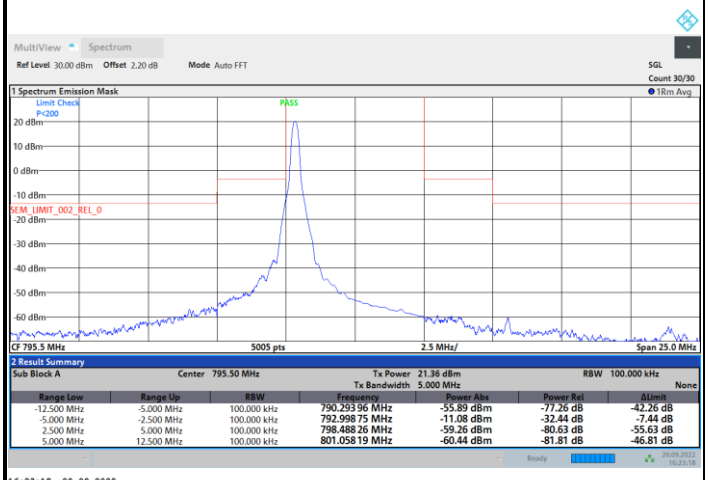
Full RB



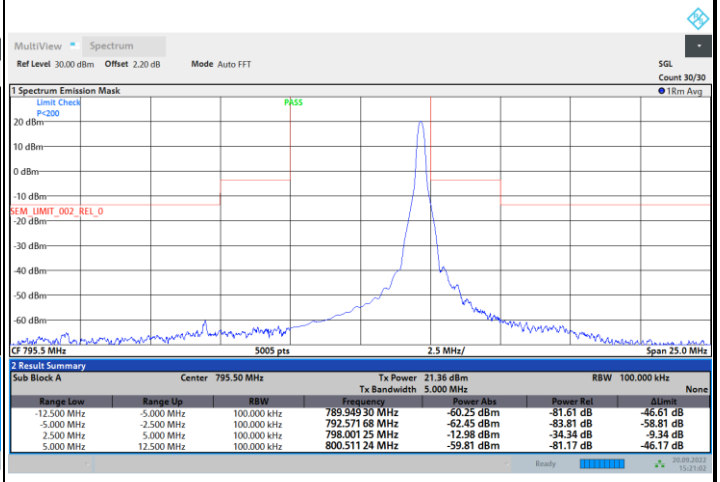
FR1 n14 / 5MHz / DFT-S OFDM / 16QAM

Highest Channel

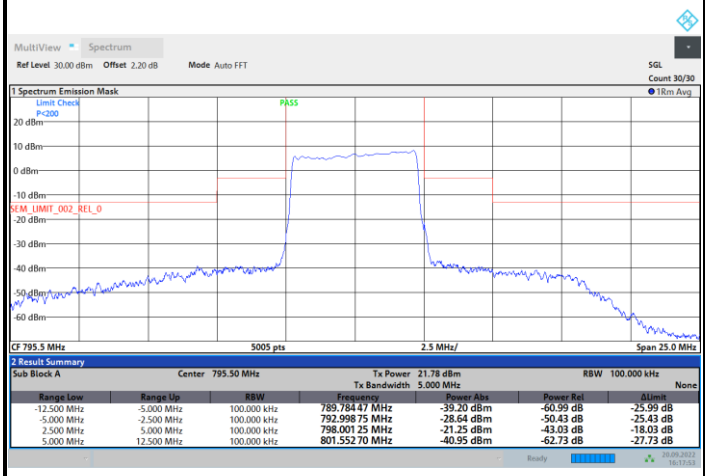
1RB0



1RBmax



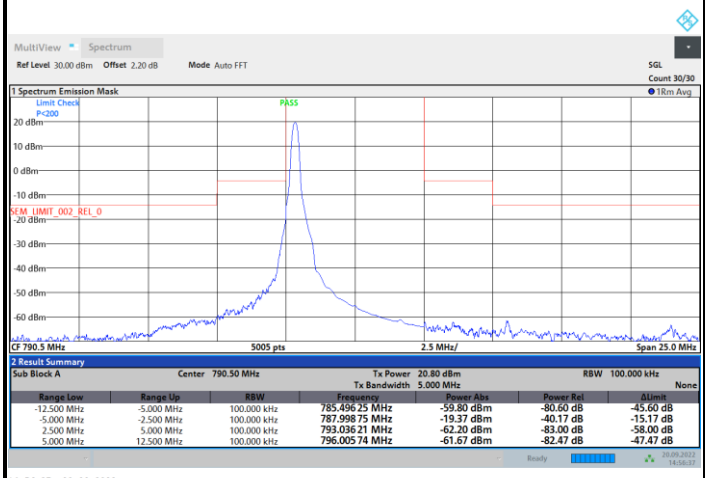
Full RB



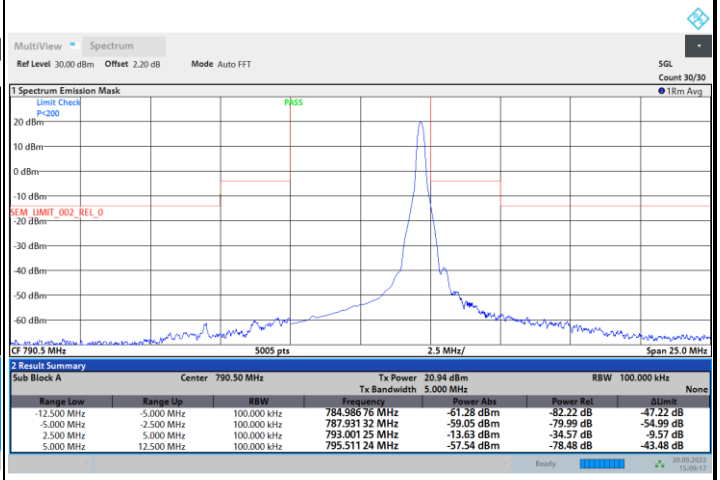
FR1 n14 / 5MHz / DFT-S OFDM / 64QAM

Lowest Channel

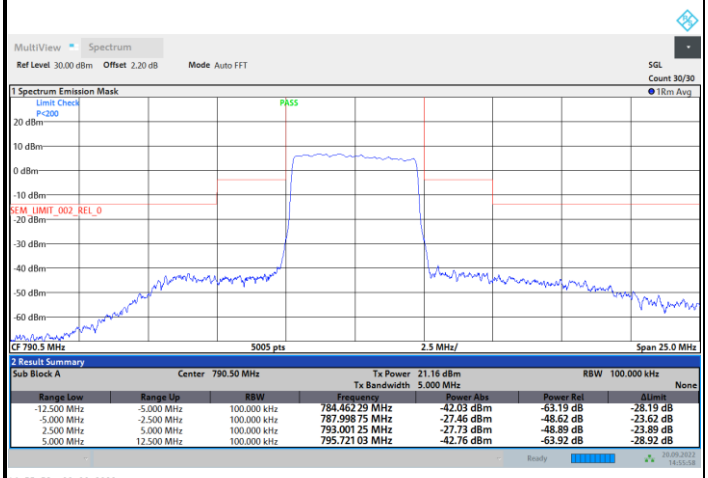
1RB0



1RBmax



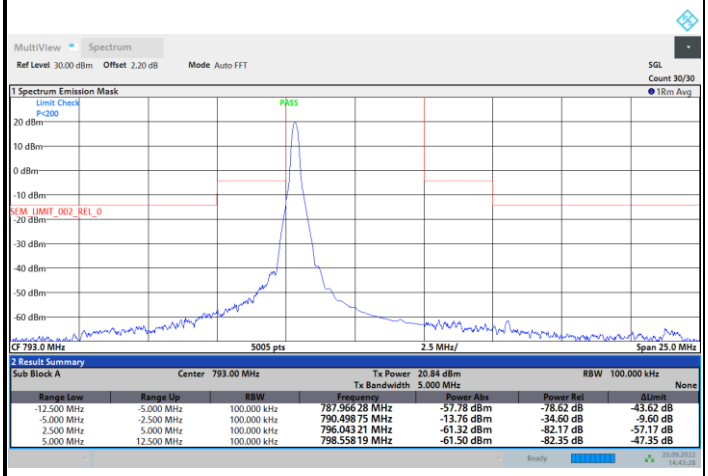
Full RB



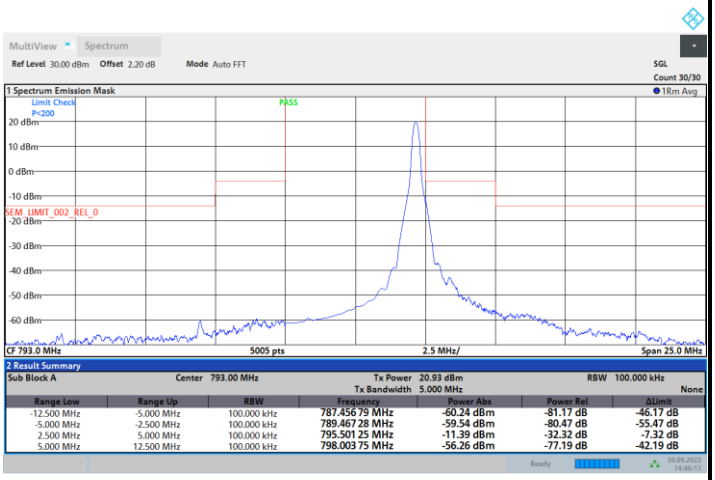
FR1 n14 / 5MHz / DFT-S OFDM / 64QAM

Middle Channel

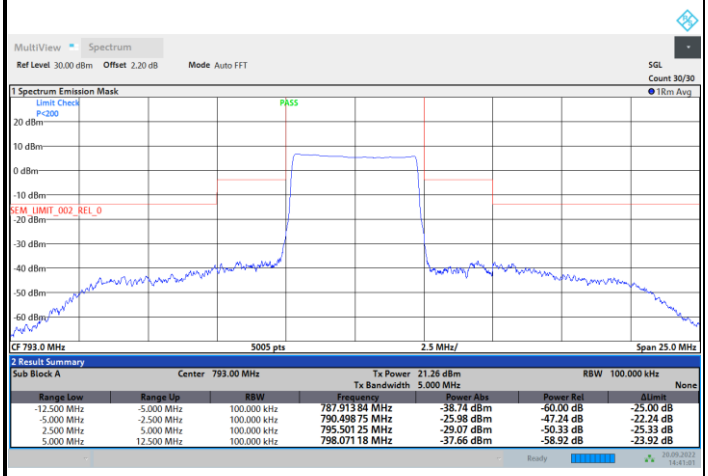
1RB0



1RBmax



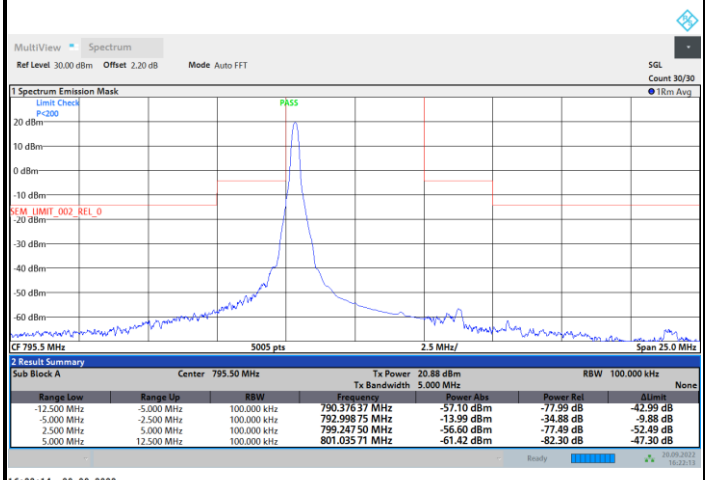
Full RB



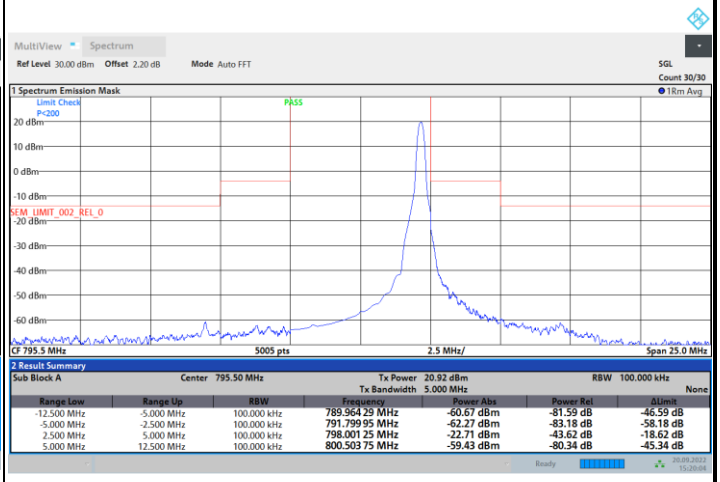
FR1 n14 / 5MHz / DFT-S OFDM / 64QAM

Highest Channel

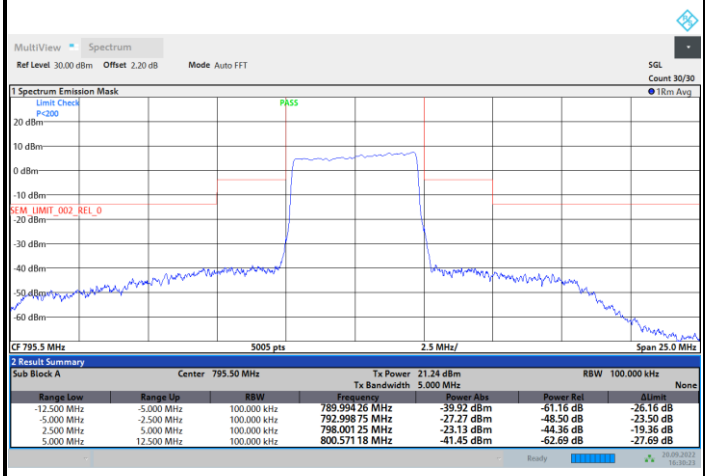
1RB0



1RBmax



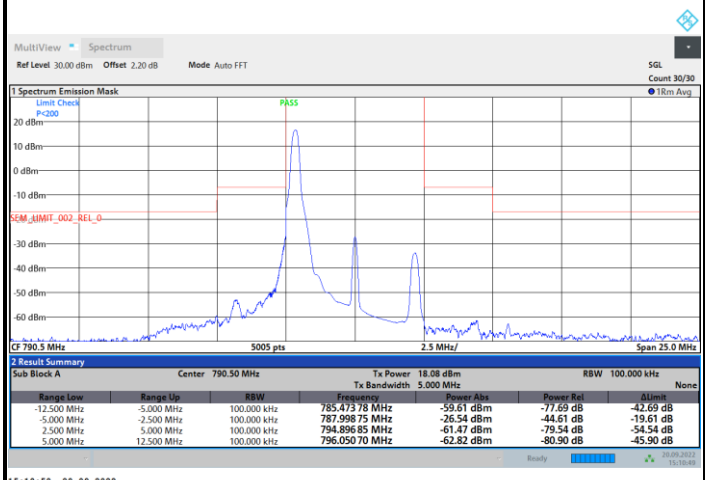
Full RB



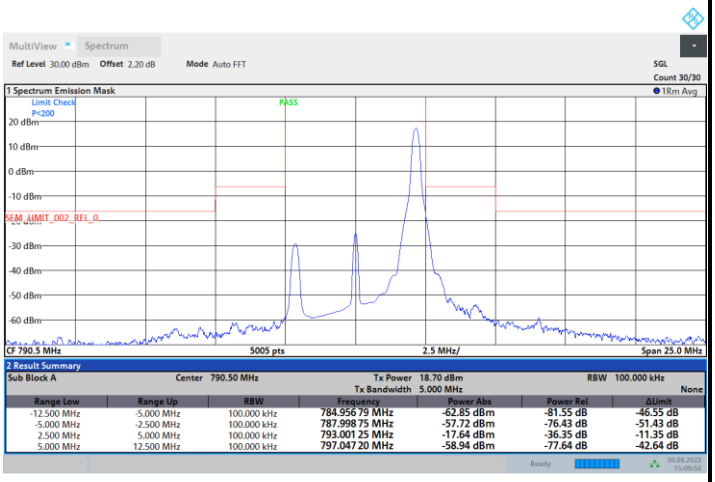
FR1 n14 / 5MHz / DFT-S OFDM / 256QAM

Lowest Channel

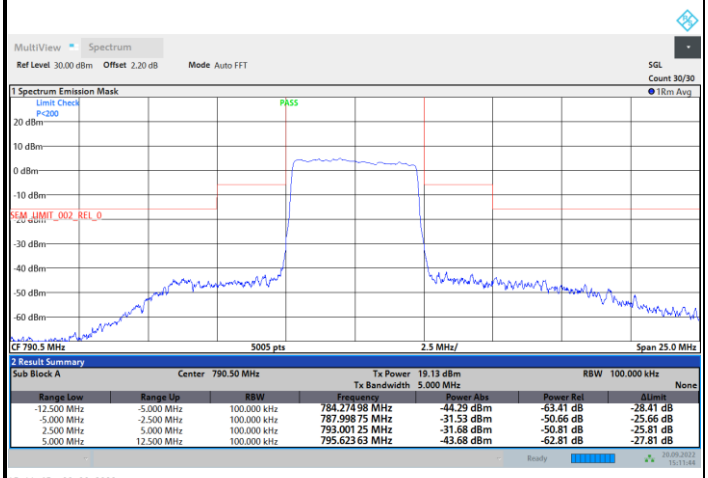
1RB0



1RBmax



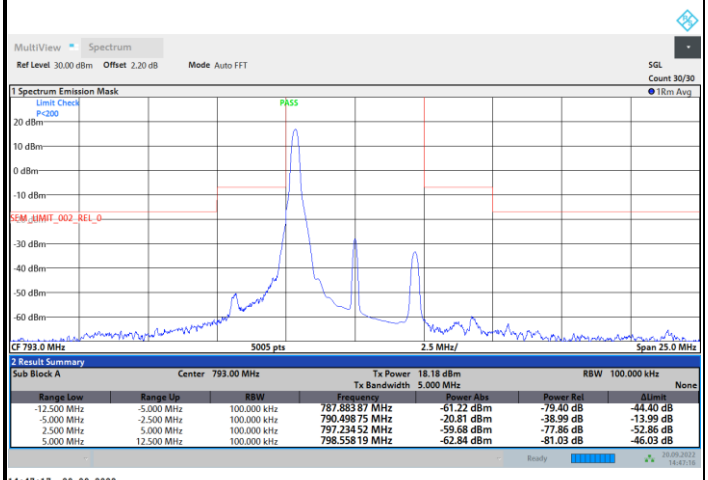
Full RB



FR1 n14 / 5MHz / DFT-S OFDM / 256QAM

Middle Channel

1RB0



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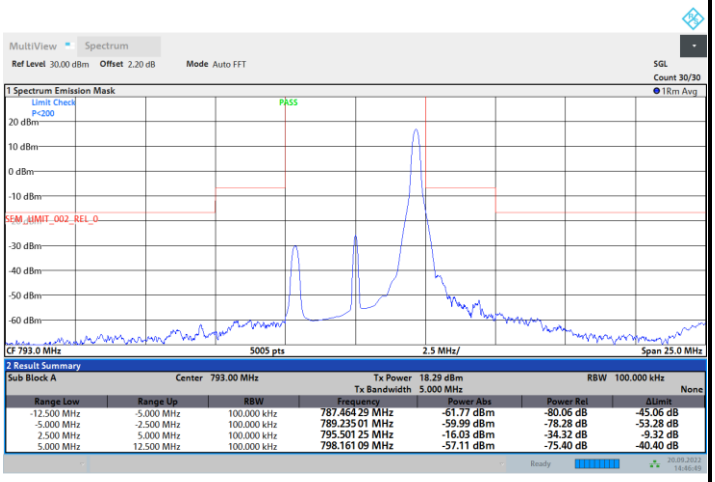
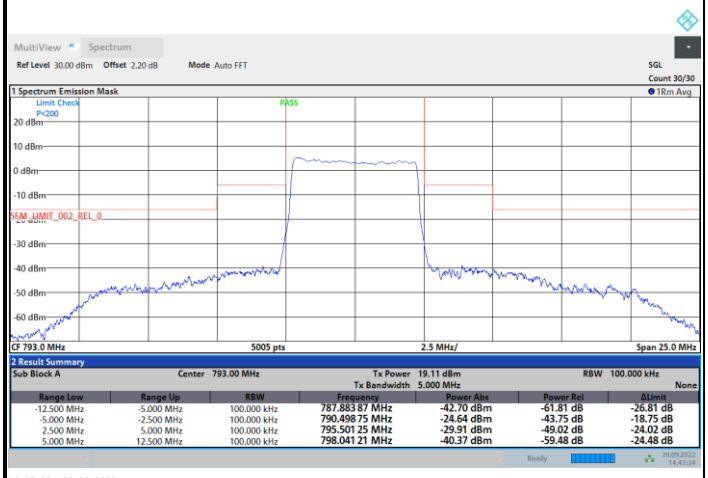


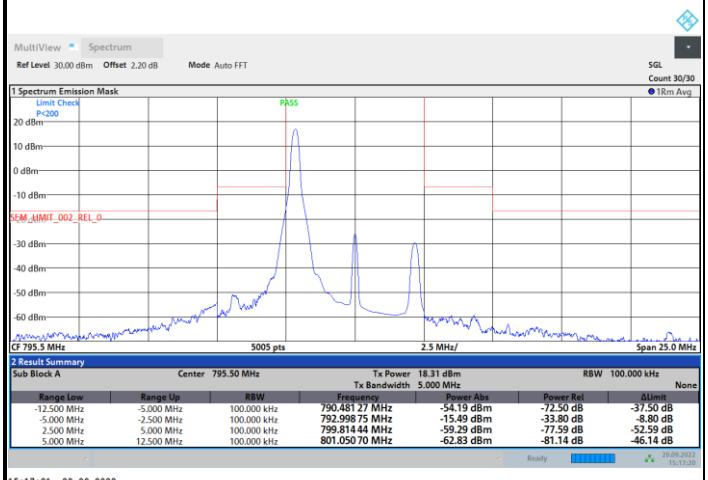
Full RB



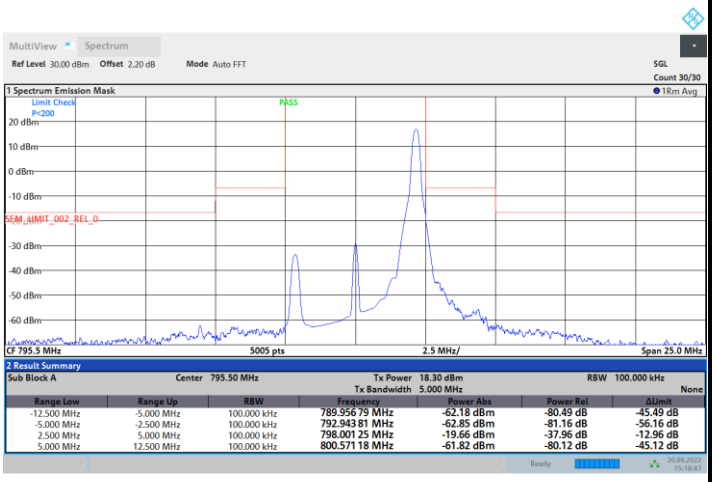
FR1 n14 / 5MHz / DFT-S OFDM / 256QAM

Highest Channel

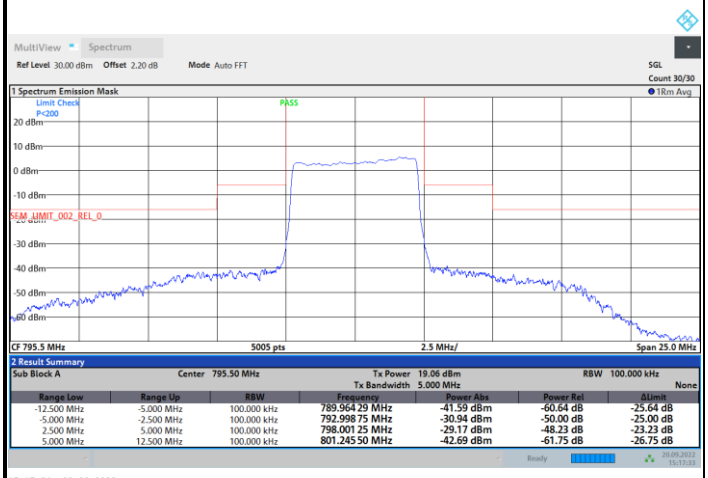
1RB0



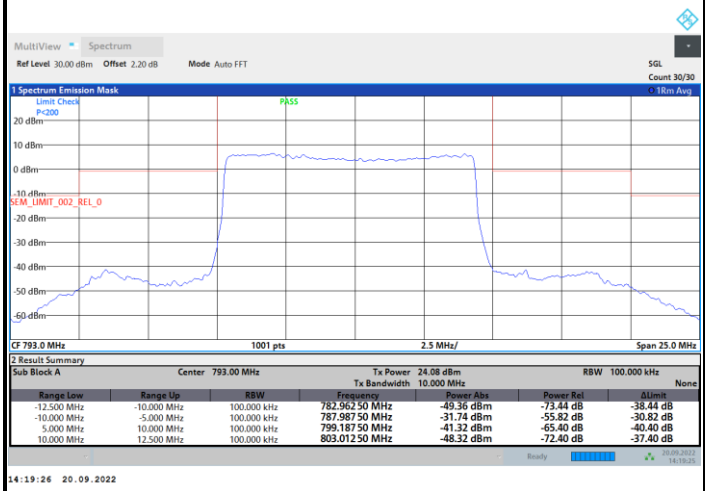
1RBmax

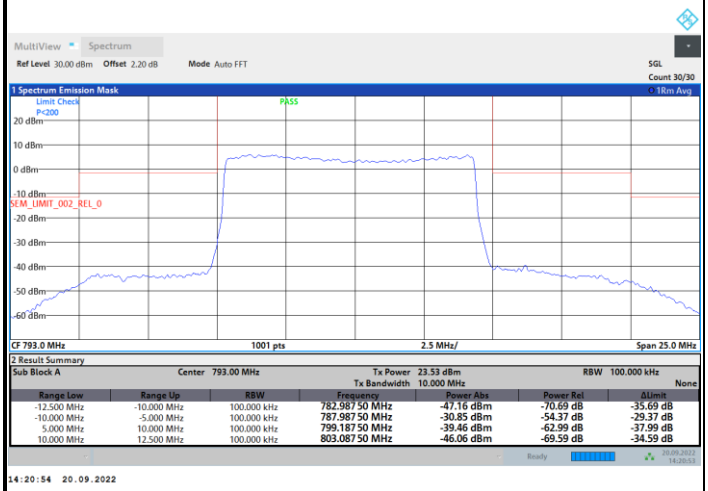


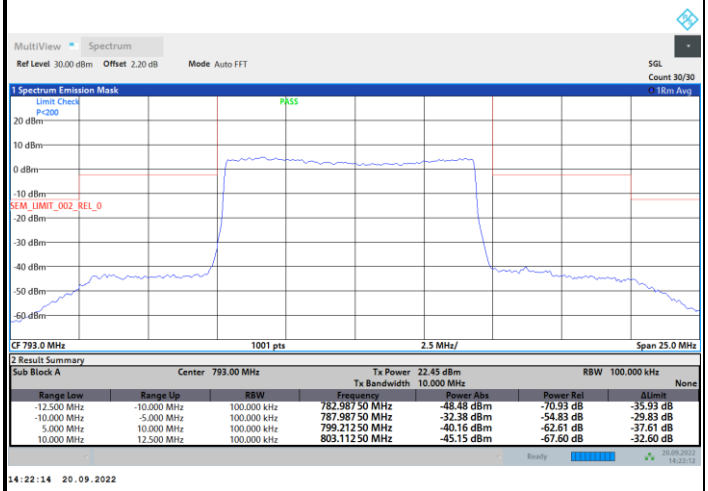
Full RB

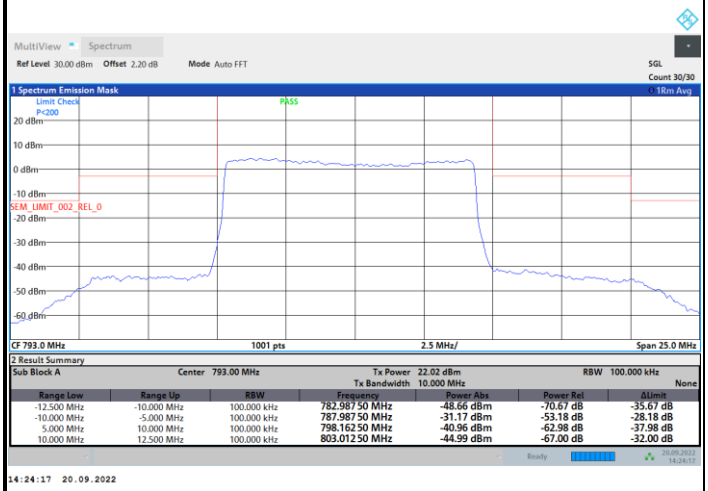


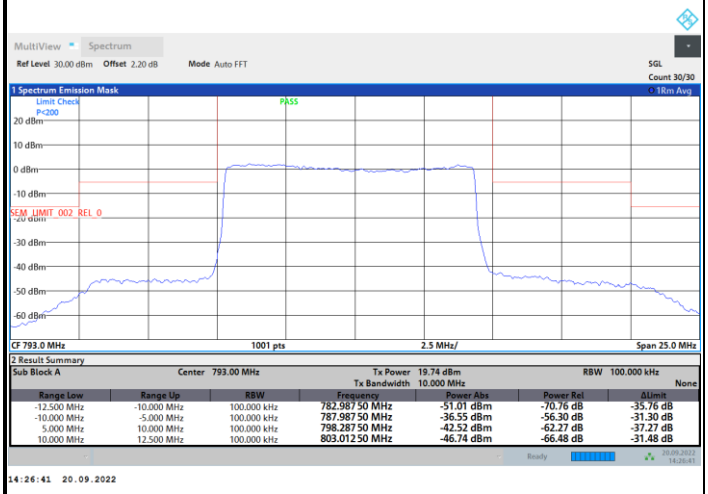
FR1 n14 / 10MHz / DFT-S OFDM / BPSK	
Middle Channel	
Full RB	

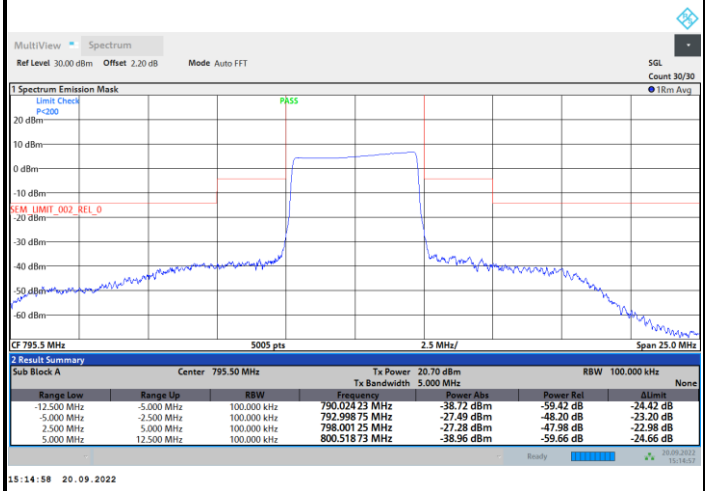


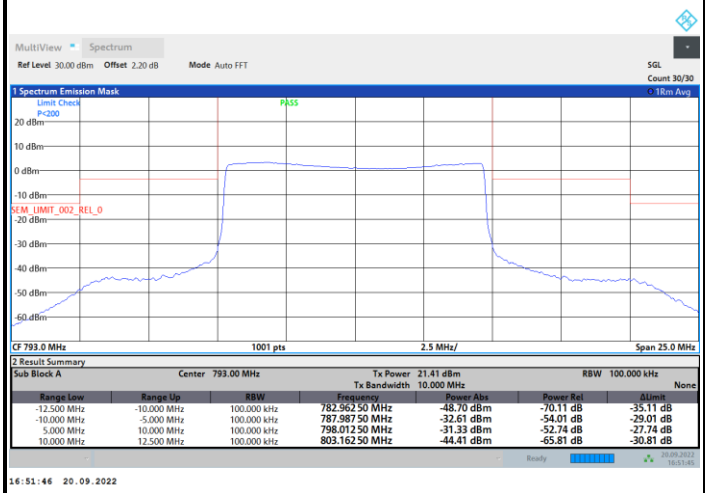
FR1 n14 / 10MHz / DFT-S OFDM / QPSK	
Middle Channel	
Full RB	
	

FR1 n14 / 10MHz / DFT-S OFDM / 16QAM	
Middle Channel	
Full RB	
	

FR1 n14 / 10MHz / DFT-S OFDM / 64QAM	
Middle Channel	
Full RB	
	

FR1 n14 / 10MHz / DFT-S OFDM / 256QAM	
Middle Channel	
Full RB	
	

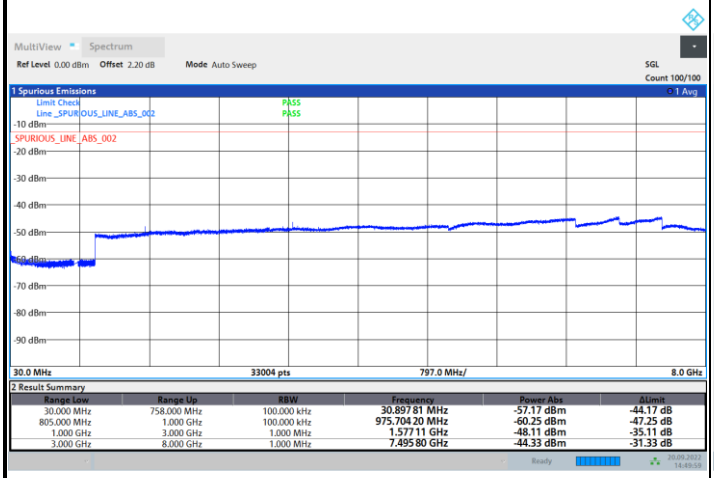
FR1 n14 / 5MHz / CP OFDM / QPSK / Full RB	
Highest Channel	
	

FR1 n14 / 10MHz / CP OFDM / QPSK / Full RB	
Middle Channel	
	

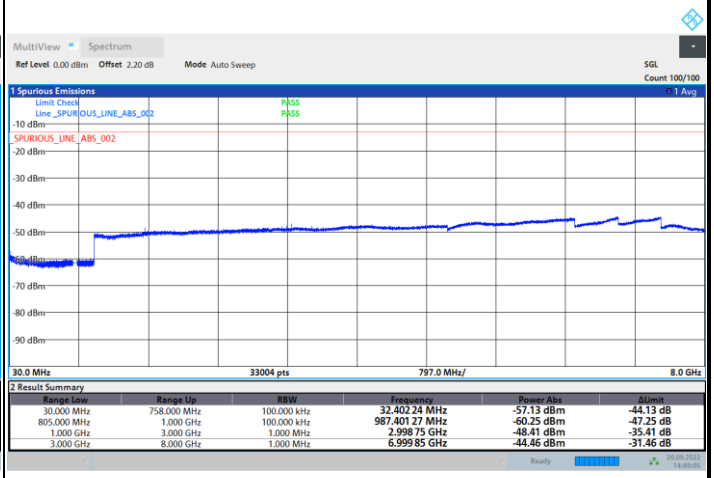
Conducted Spurious Emission

FR1 n14 / 5MHz / DFT-S OFDM / QPSK / 1RB1

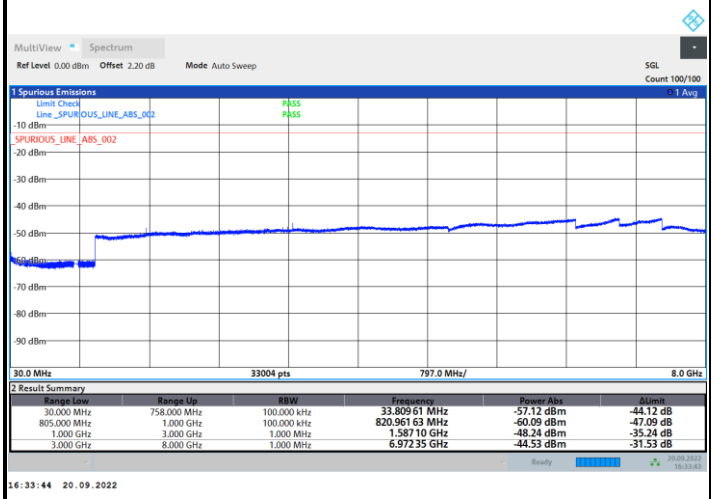
Lowest Channel



Middle Channel



Highest Channel



Frequency Stability

Test Conditions		FR1 n14 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0069	PASS
40	Normal Voltage	0.0073	
30	Normal Voltage	0.0069	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0086	
0	Normal Voltage	0.0036	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0029	
-30	Normal Voltage	0.0065	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0034	

Note:

1. Normal Voltage = 4.05 V.；Battery End Point (BEP) = 3.85 V.；Maximum Voltage = 4.35 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

Appendix B. Test Results of Radiated Test

5G NR n14

5G NR n14/ 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	1577	-56.46	-42.15	-14.31	-67.99	-62.46	0.80	8.95	H
	2366	-51.90	-13	-38.90	-66.67	-58.59	0.99	9.83	H
	3157	-53.42	-13	-40.42	-70.93	-61.58	1.10	11.41	H
									H
									H
	1577	-57.02	-42.15	-14.87	-68.48	-63.02	0.80	8.95	V
	2366	-53.85	-13	-40.85	-68.79	-60.54	0.99	9.83	V
	3157	-53.10	-13	-40.10	-70.85	-61.26	1.10	11.41	V
									V
									V
									V
									V
Middle	1582	-56.26	-42.15	-14.11	-67.82	-62.31	0.80	9.00	H
	2373	-55.92	-13	-42.92	-70.68	-62.64	0.99	9.87	H
	3165	-52.70	-13	-39.70	-70.25	-60.88	1.10	11.43	H
									H
									H
	1582	-57.44	-42.15	-15.29	-68.91	-63.49	0.80	9.00	V
	2373	-55.90	-13	-42.90	-70.80	-62.62	0.99	9.87	V
	3165	-52.41	-13	-39.41	-70.21	-60.59	1.10	11.43	V
									V
									V
									V
									V

Highest	1590	-54.86	-42.15	-12.71	-66.46	-61.00	0.80	9.09	H
	2381	-55.74	-13	-42.74	-70.49	-62.50	1.00	9.91	H
	3174	-53.14	-13	-40.14	-70.73	-61.33	1.10	11.45	H
									H
									H
									H
									H
	1590	-55.92	-42.15	-13.77	-67.40	-62.06	0.80	9.09	V
	2381	-55.58	-13	-42.58	-70.44	-62.34	1.00	9.91	V
	3174	-52.60	-13	-39.60	-70.45	-60.79	1.10	11.45	V
									V
									V
									V
									V

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