

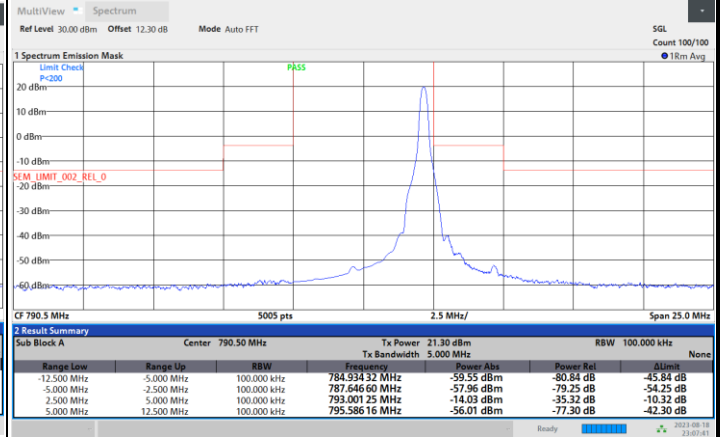
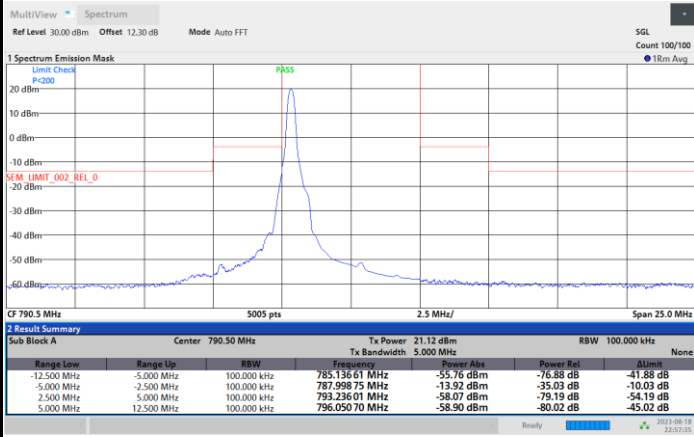


FR1 n14 / 5MHz / DFT-S OFDM / 16QAM

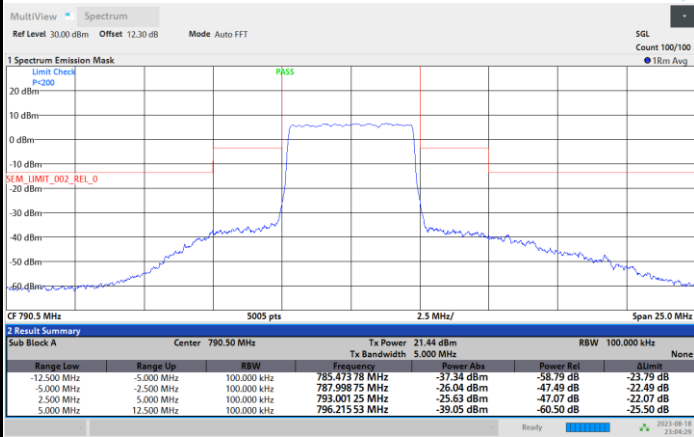
Lowest Channel

1RB0

1RBmax



Full RB



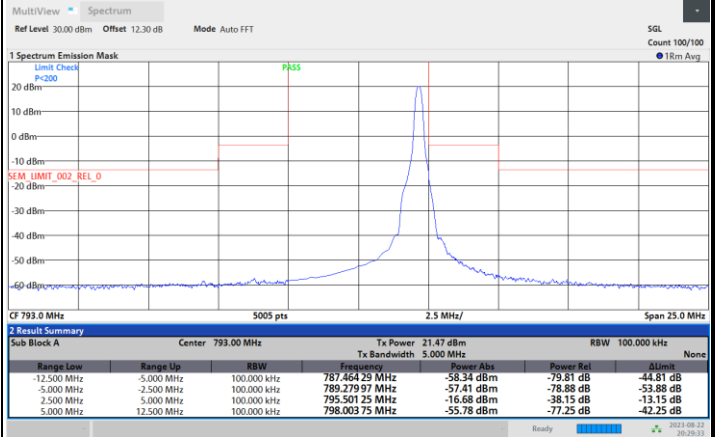
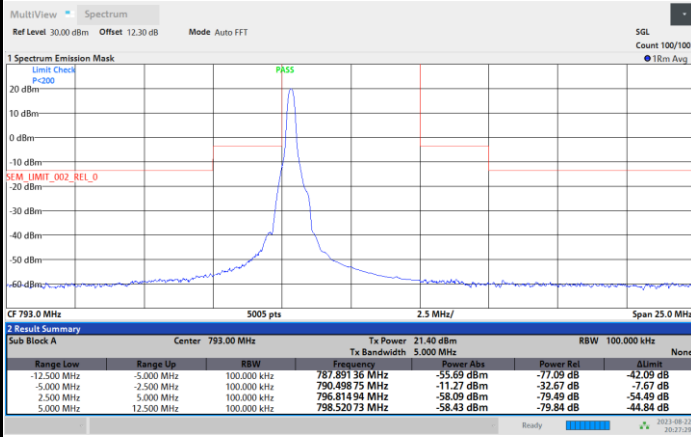


FR1 n14 / 5MHz / DFT-S OFDM / 16QAM

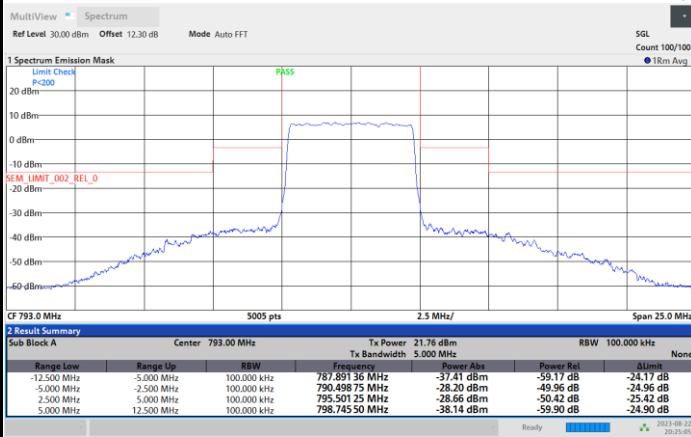
Middle Channel

1RB0

1RBmax



Full RB



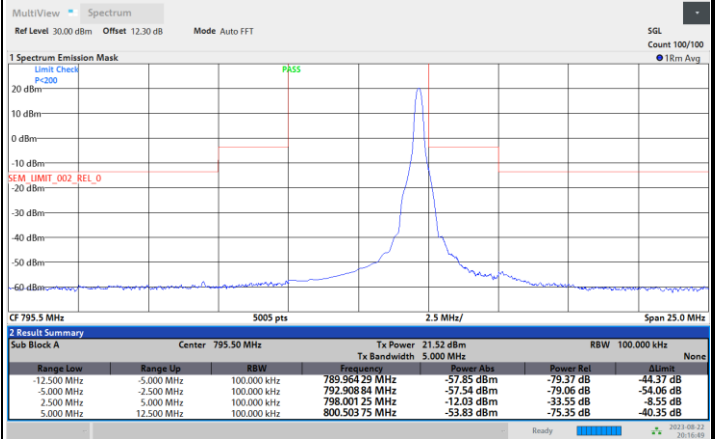
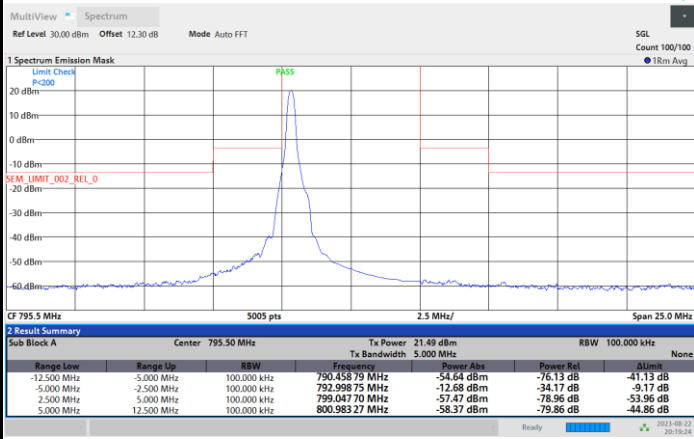


FR1 n14 / 5MHz / DFT-S OFDM / 16QAM

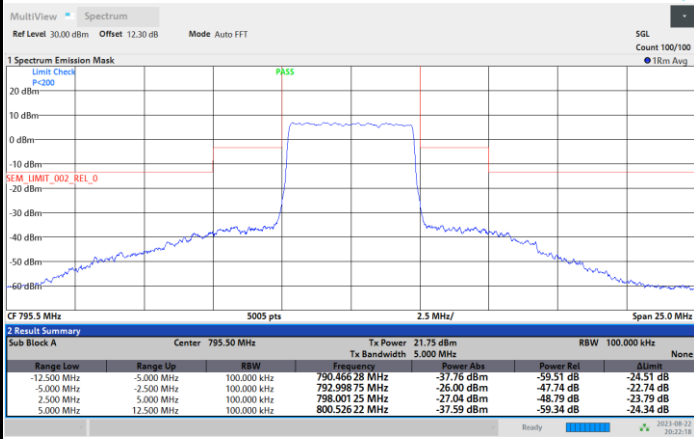
Highest Channel

1RB0

1RBmax



Full RB



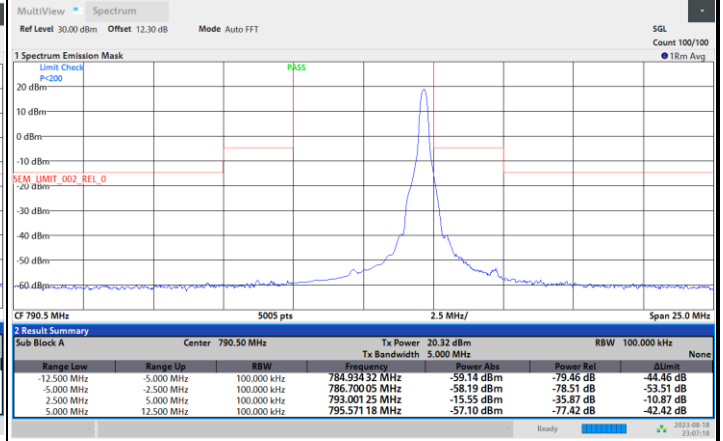
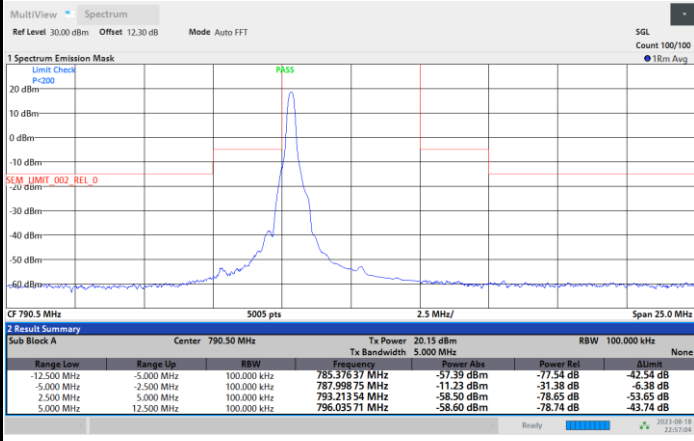


FR1 n14 / 5MHz / DFT-S OFDM / 64QAM

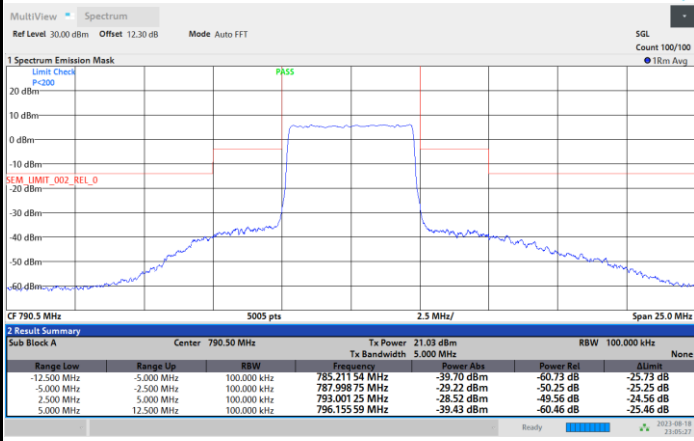
Lowest Channel

1RB0

1RBmax



Full RB



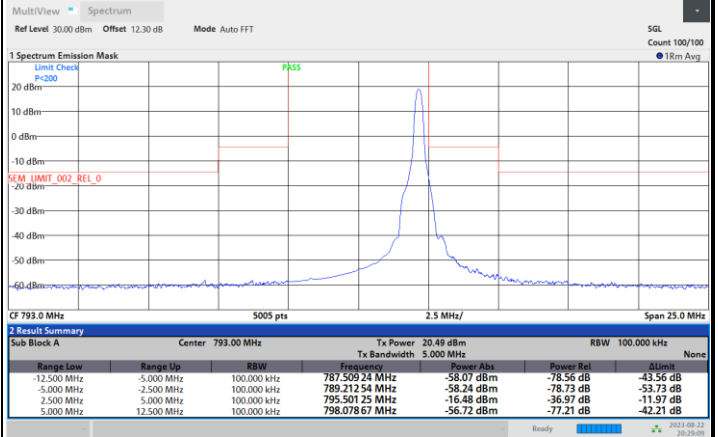
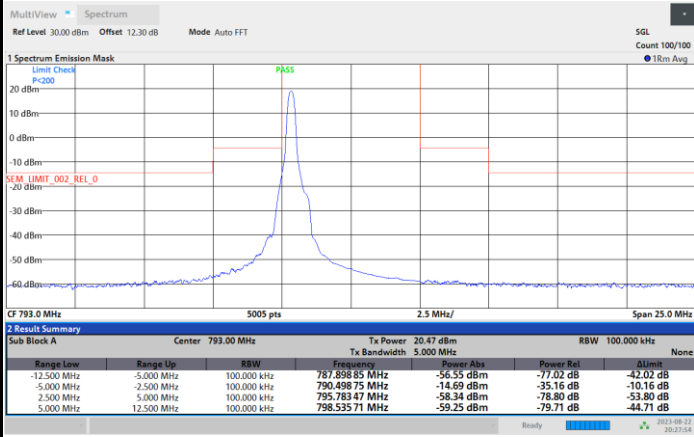


FR1 n14 / 5MHz / DFT-S OFDM / 64QAM

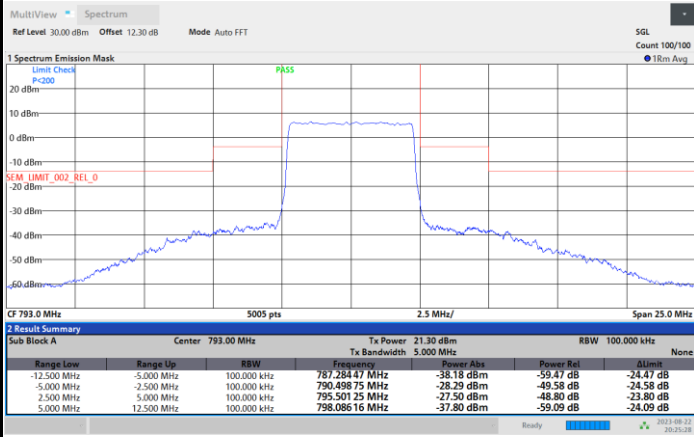
Middle Channel

1RB0

1RBmax



Full RB



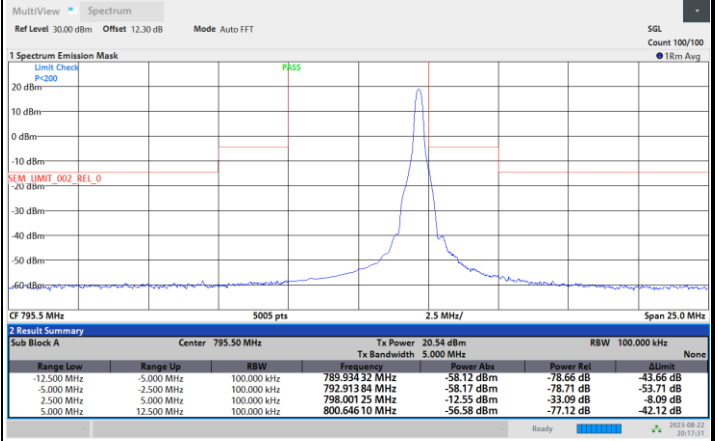
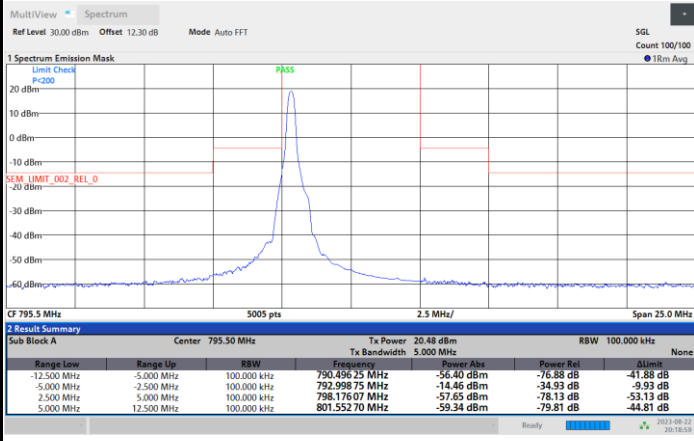


FR1 n14 / 5MHz / DFT-S OFDM / 64QAM

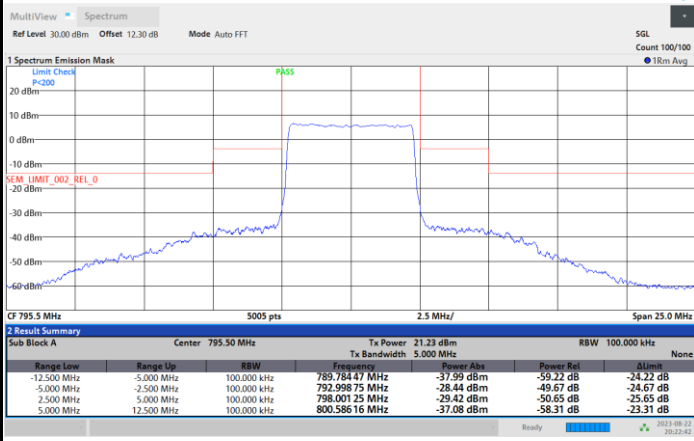
Highest Channel

1RB0

1RBmax



Full RB



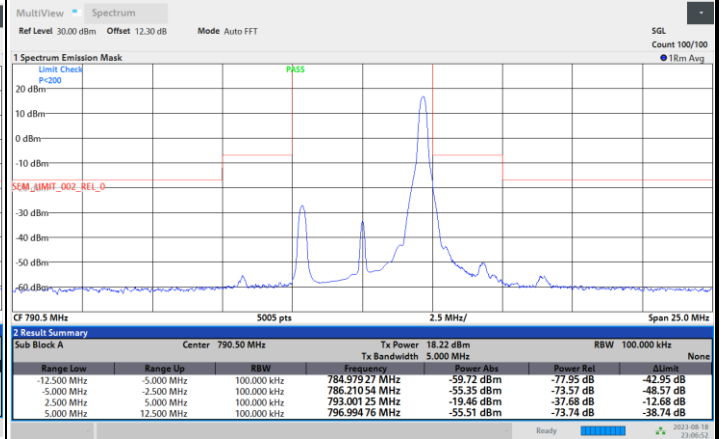
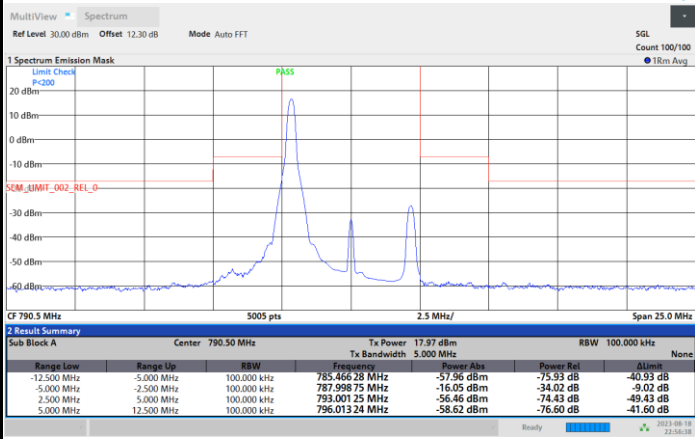


FR1 n14 / 5MHz / DFT-S OFDM / 256QAM

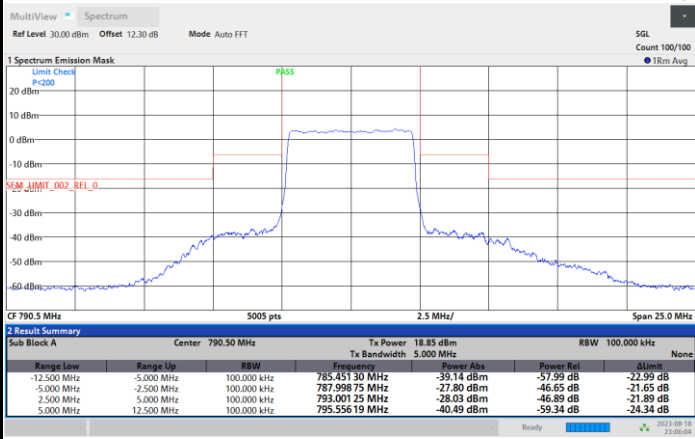
Lowest Channel

1RB0

1RBmax



Full RB



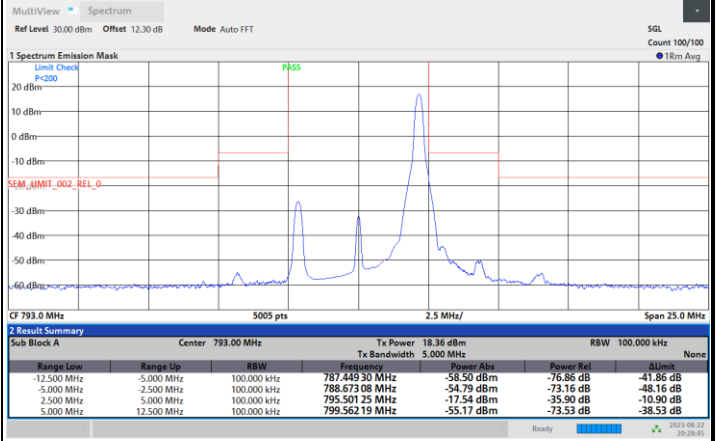
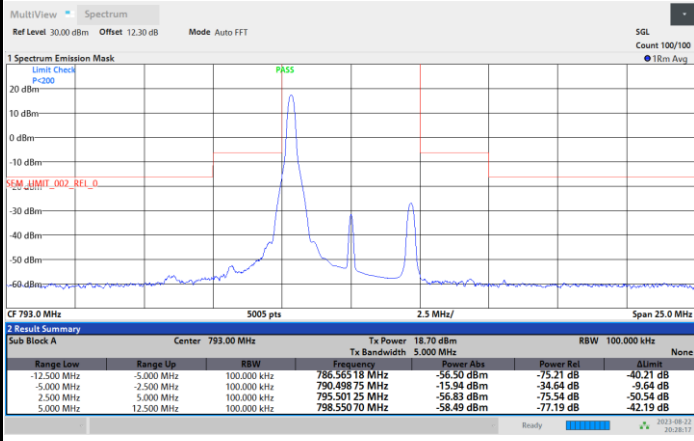


FR1 n14 / 5MHz / DFT-S OFDM / 256QAM

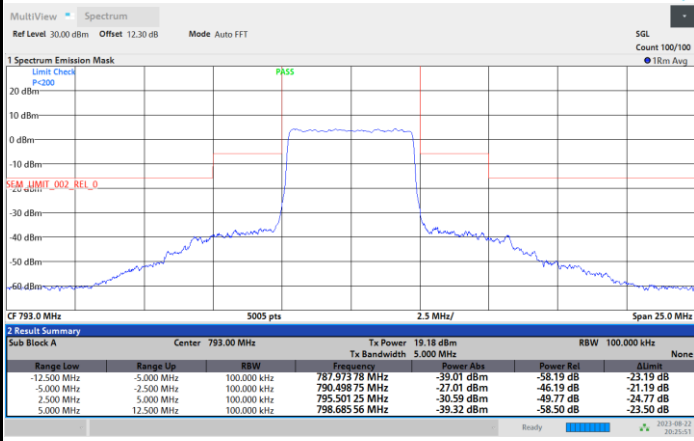
Middle Channel

1RB0

1RBmax



Full RB



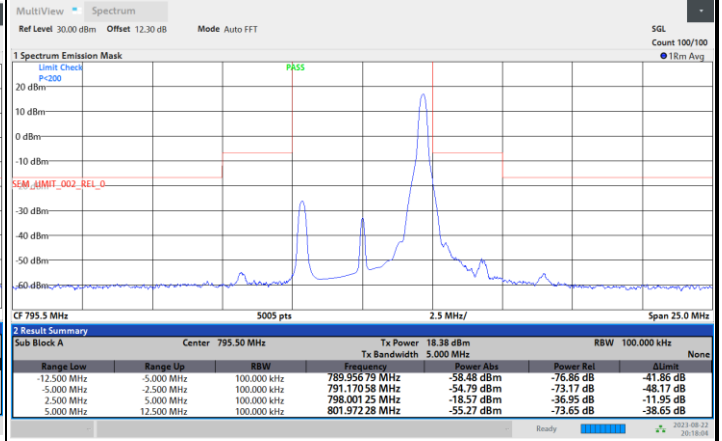
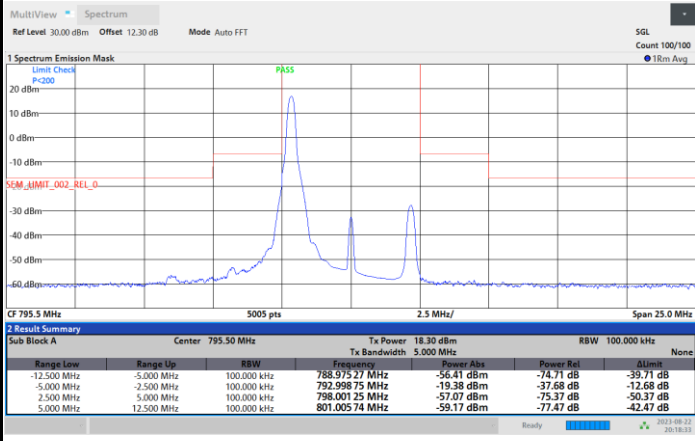


FR1 n14 / 5MHz / DFT-S OFDM / 256QAM

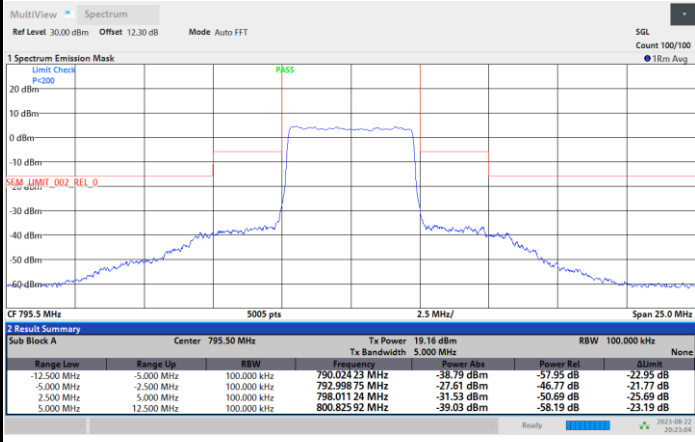
Highest Channel

1RB0

1RBmax



Full RB

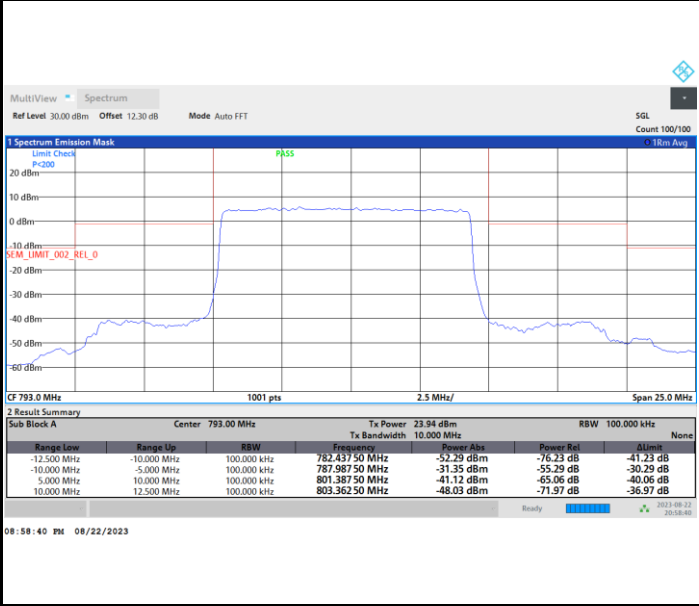


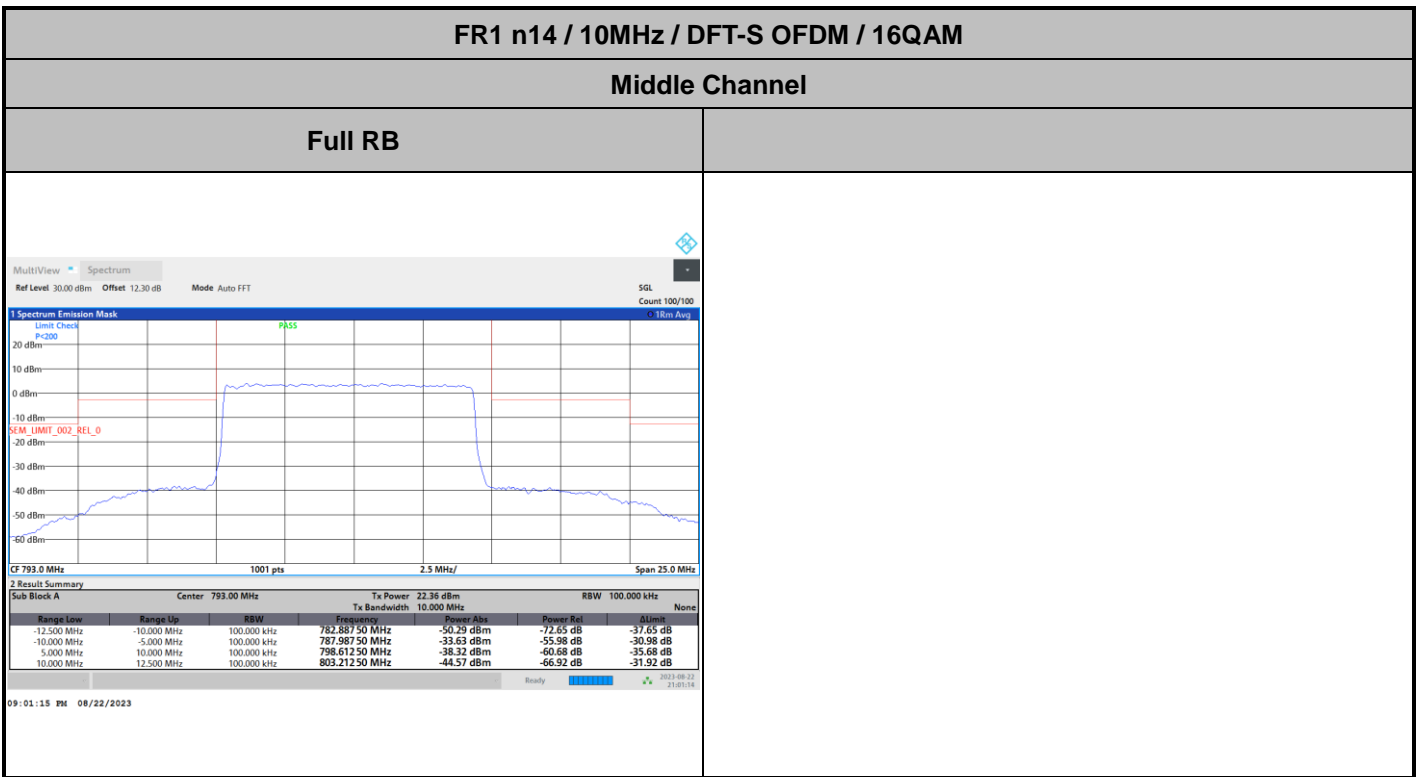
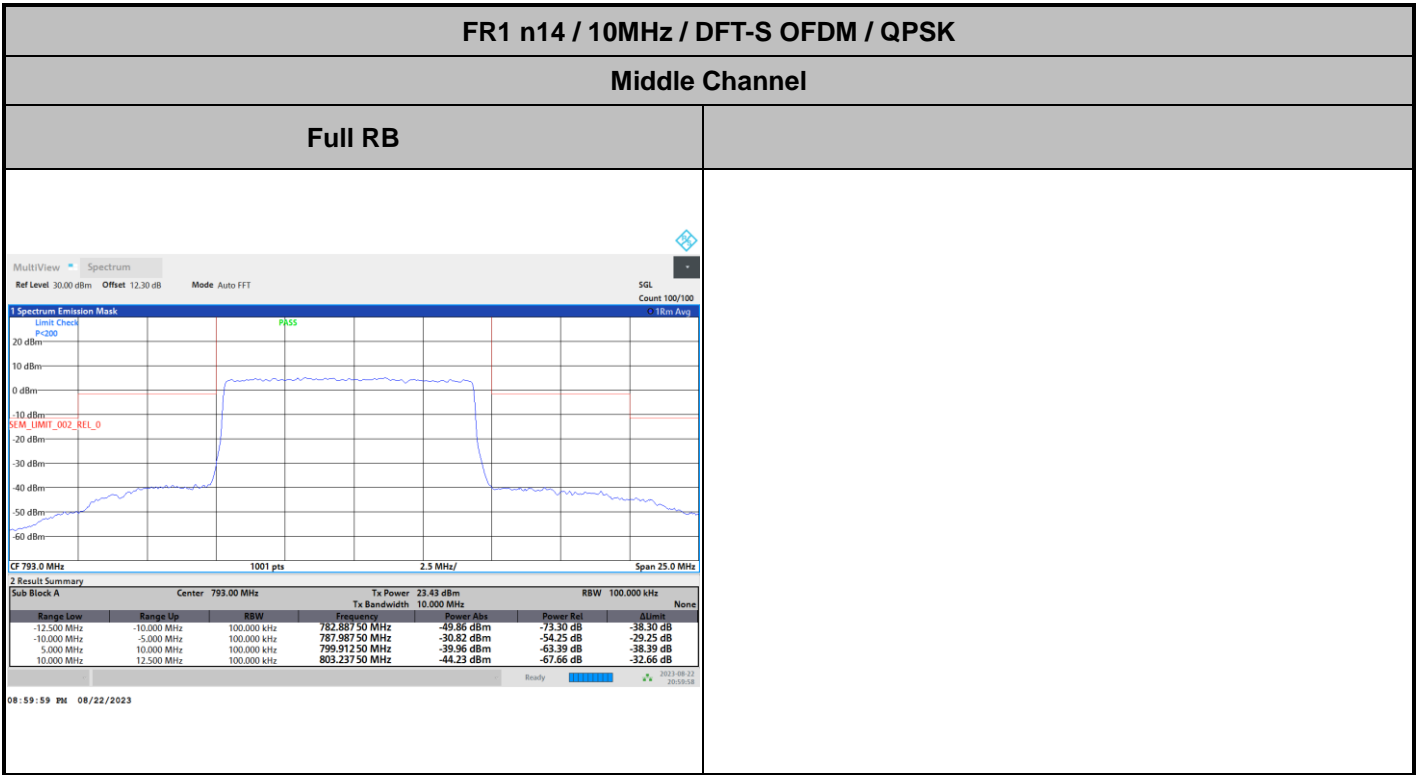


FR1 n14 / 10MHz / DFT-S OFDM / BPSK

Middle Channel

Full RB



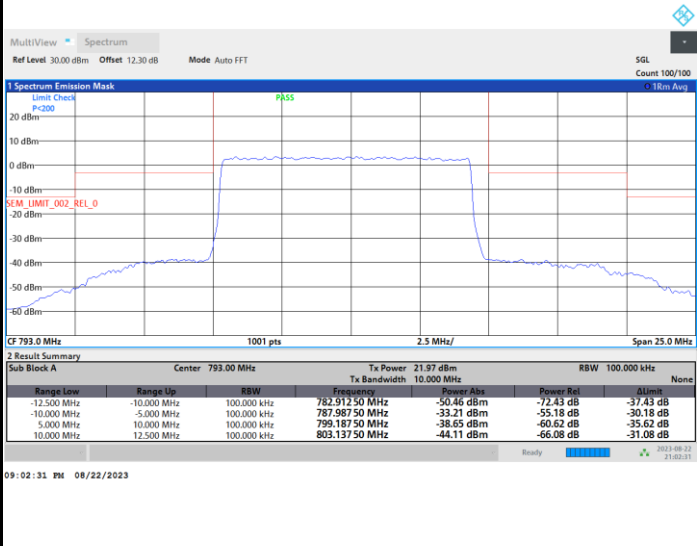




FR1 n14 / 10MHz / DFT-S OFDM / 64QAM

Middle Channel

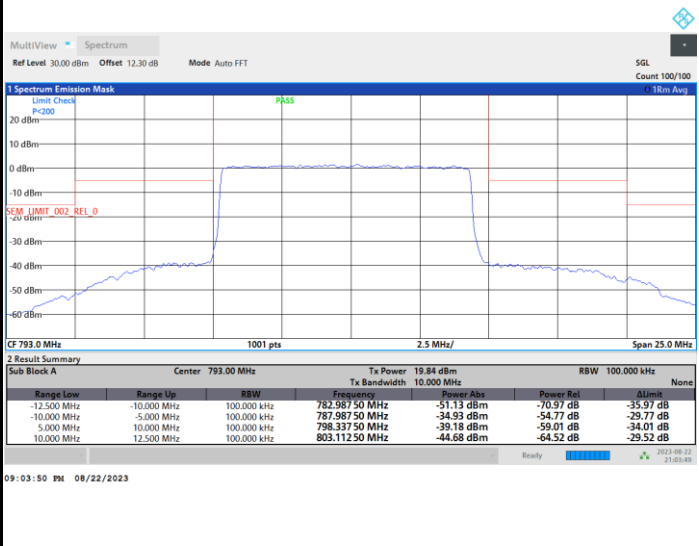
Full RB



FR1 n14 / 10MHz / DFT-S OFDM / 256QAM

Middle Channel

Full RB





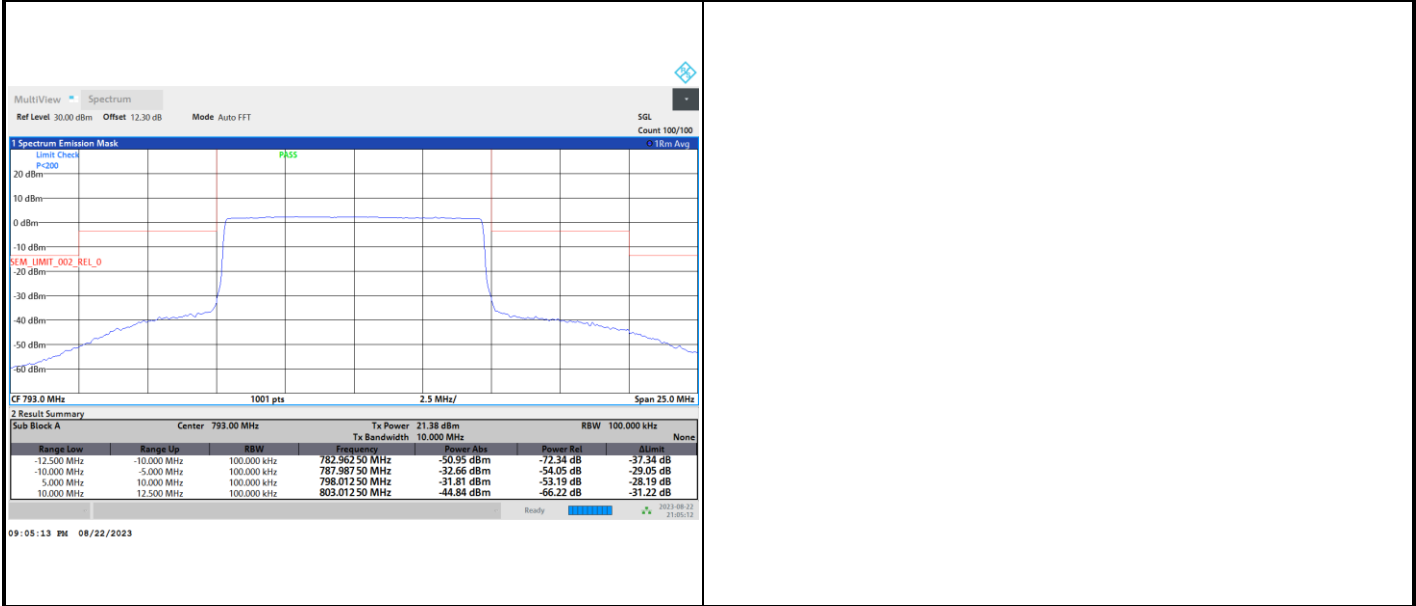
FR1 n14 / 5MHz / CP OFDM / QPSK / Full RB

Highest Channel



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

Middle Channel



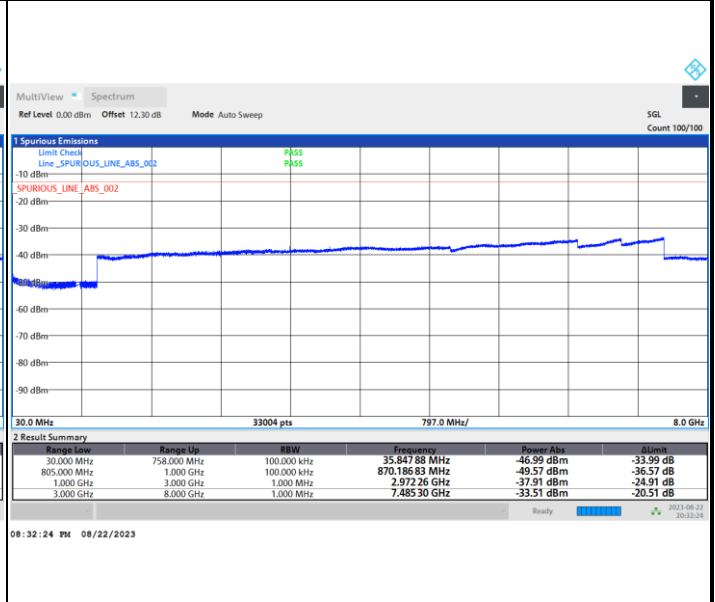


Conducted Spurious Emission

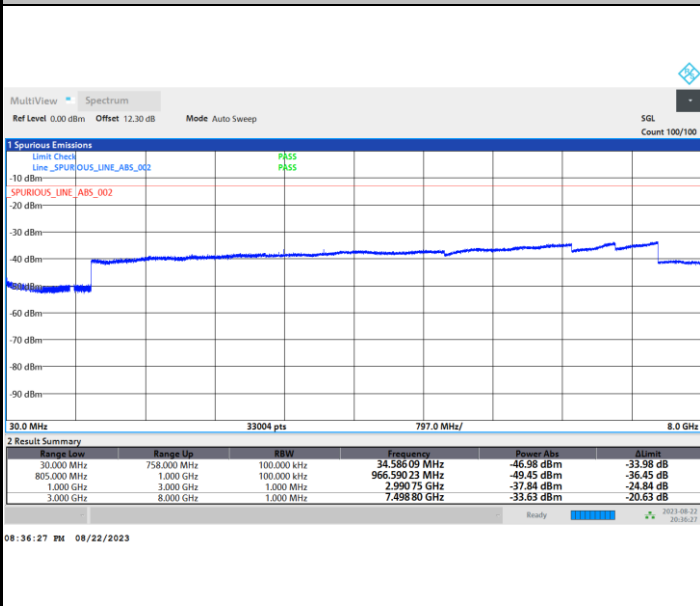
FR1 n14 / 5MHz / DFT-S OFDM / QPSK / 1RB1

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	0.0116	PASS
40	Normal Voltage	0.0035	
30	Normal Voltage	0.0063	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0082	
0	Normal Voltage	0.0128	
-10	Normal Voltage	0.0092	
-20	Normal Voltage	0.0009	
-30	Normal Voltage	0.0065	
20	Maximum Voltage	0.0077	
20	Normal Voltage	0.0020	
20	Battery End Point	0.0066	

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 / 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	-62.46	-42.15	-20.31	-71.01	-68.52	0.59	8.81	H
	2365	-59.95	-13	-46.95	-71.24	-67.37	0.70	10.28	H
	3153	-56.07	-13	-43.07	-71.05	-63.43	0.82	10.33	H
									H
									H
									H
	1577	-62.17	-42	-20.02	-70.84	-68.23	0.59	8.81	V
	2365	-59.71	-13	-46.71	-71.02	-67.13	0.70	10.28	V
	3153	-56.54	-13	-43.54	-71.38	-63.90	0.82	10.33	V
									V
									V
									V
Middle	1582	-62.31	-42.15	-20.16	-70.86	-68.39	0.59	8.83	H
	2373	-59.75	-13	-46.75	-71.07	-67.20	0.70	10.31	H
	3163	-55.57	-13	-42.57	-70.57	-62.94	0.83	10.34	H
									H
									H
									H
	1582	-62.09	-42.15	-19.94	-70.72	-68.17	0.59	8.83	V
	2373	-59.43	-13	-46.43	-70.77	-66.88	0.70	10.31	V
	3163	-56.22	-13	-43.22	-71.09	-63.59	0.83	10.34	V
									V
									V
									V



Highest	1587	-62.40	-42.15	-20.25	-70.94	-68.50	0.60	8.85	H
	2380	-59.35	-13	-46.35	-70.68	-66.82	0.71	10.33	H
	3173	-55.75	-13	-42.75	-70.76	-63.13	0.83	10.36	H
									H
									H
									H
									H
	1587	-62.44	-42.15	-20.29	-71.06	-68.54	0.60	8.85	V
	2380	-59.40	-13	-46.40	-70.75	-66.87	0.71	10.33	V
	3173	-55.89	-13	-42.89	-70.80	-63.27	0.83	10.36	V
									V
									V
									V
									V

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



SA NR 14 / 10MHz / 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	1577	-62.26	-42.15	-20.11	-70.81	-68.32	0.59	8.81	H
	2366	-60.14	-13	-47.14	-71.43	-67.57	0.70	10.28	H
	3155	-55.88	-13	-42.88	-70.86	-63.24	0.82	10.33	H
									H
									H
									H
									H
	1577	-62.35	-42.15	-20.20	-71.02	-68.41	0.59	8.81	V
	2366	-59.87	-13	-46.87	-71.19	-67.30	0.70	10.28	V
	3155	-55.89	-13	-42.89	-70.73	-63.25	0.82	10.33	V
									V
									V
									V
									V

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