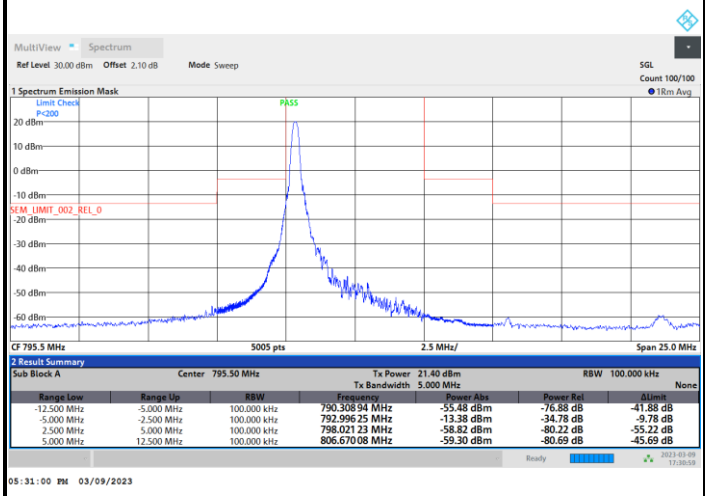
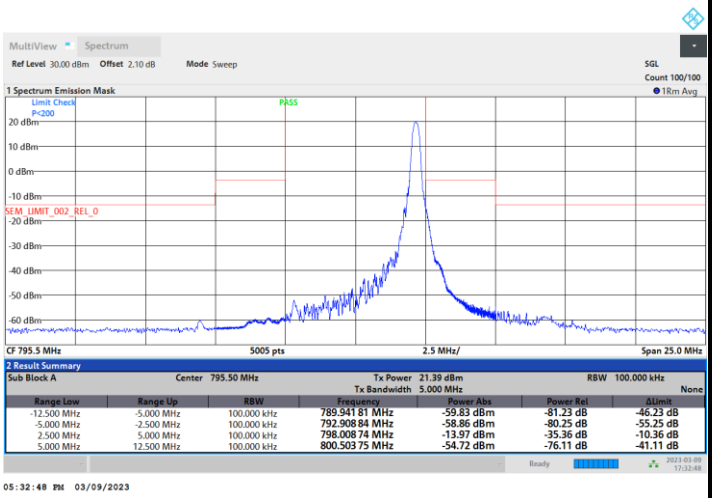
FR1 n14 / 5MHz / DFT-S OFDM / QPSK

Highest Channel

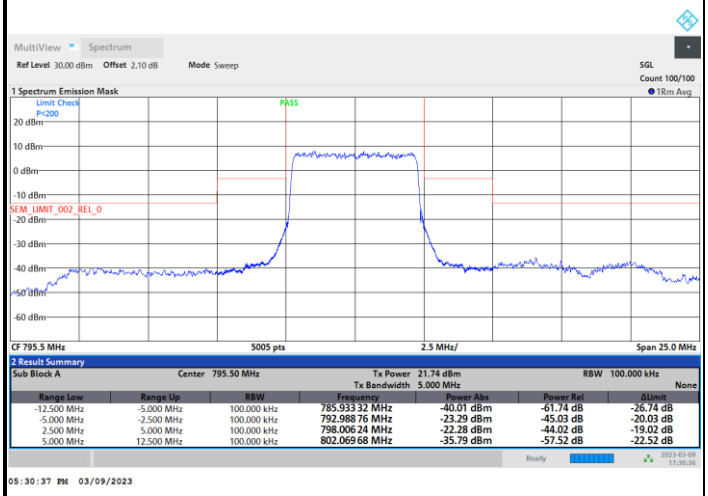
1RB0



1RBmax



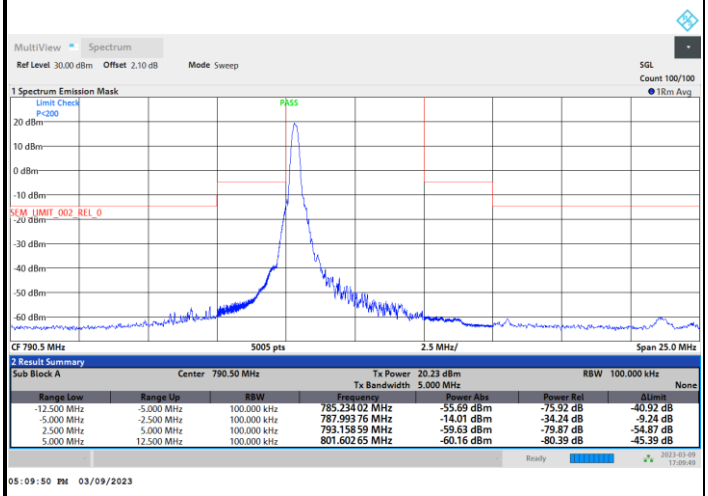
Full RB



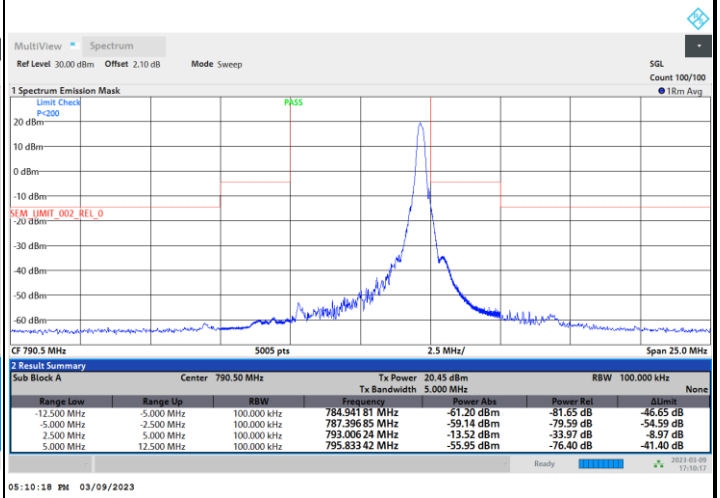
FR1 n14 / 5MHz / DFT-S OFDM / 16QAM

Lowest Channel

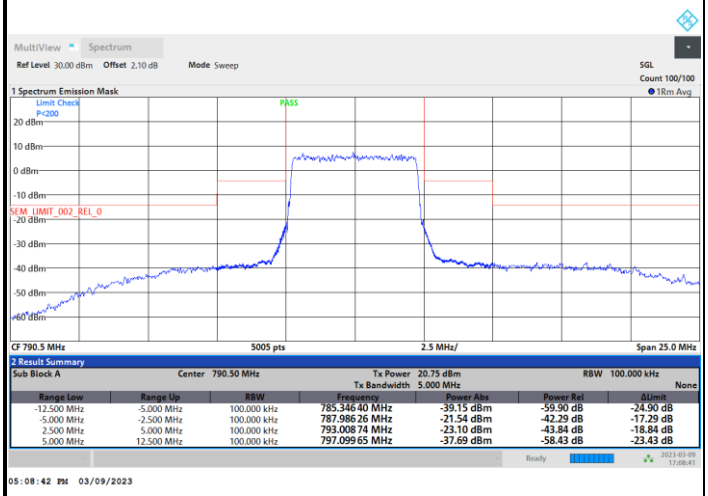
1RB0



1RBmax



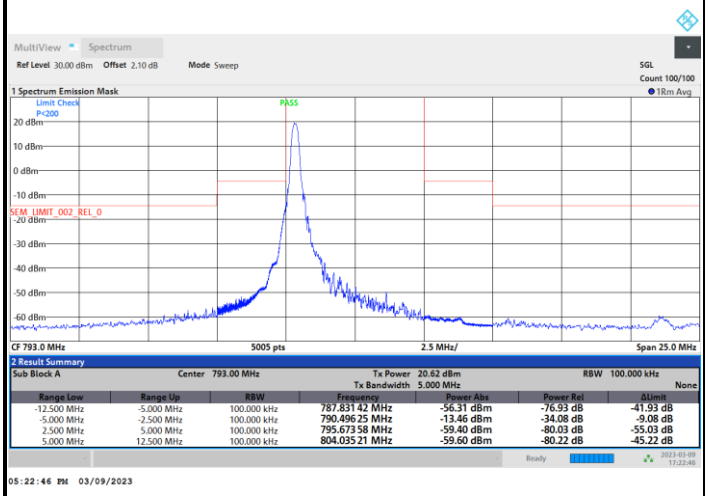
Full RB



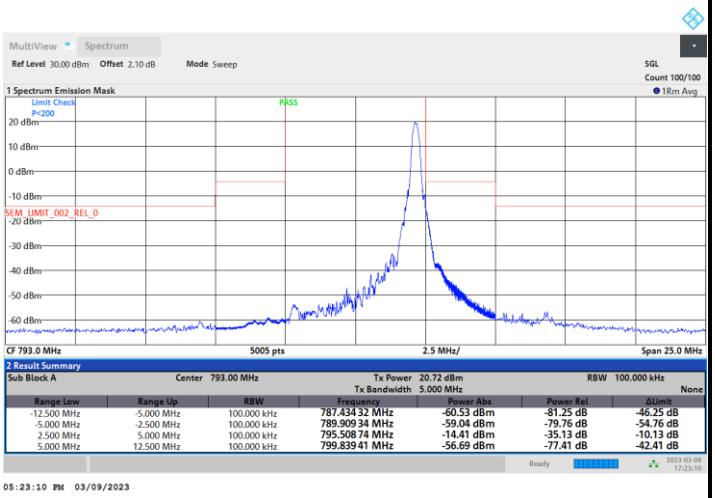
FR1 n14 / 5MHz / DFT-S OFDM / 16QAM

Middle Channel

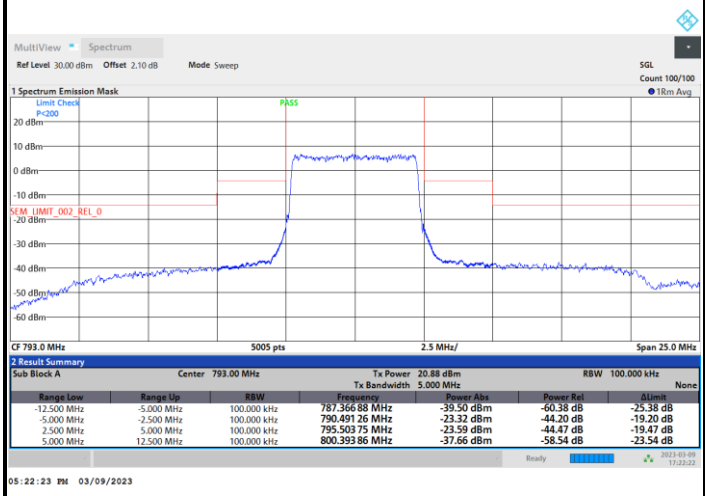
1RB0



1RBmax



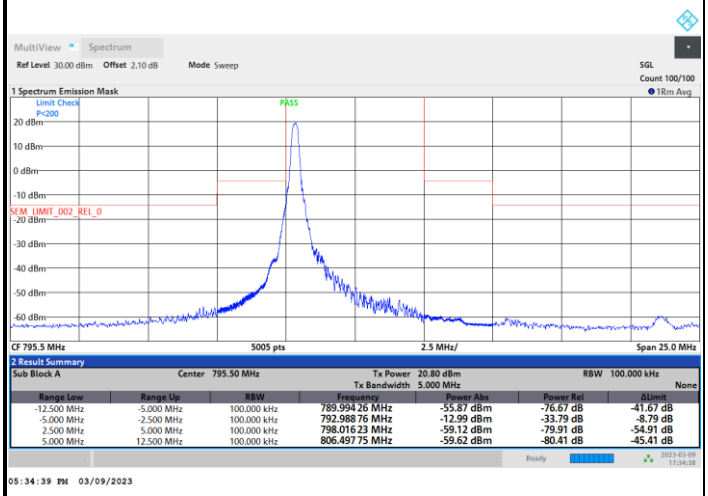
Full RB



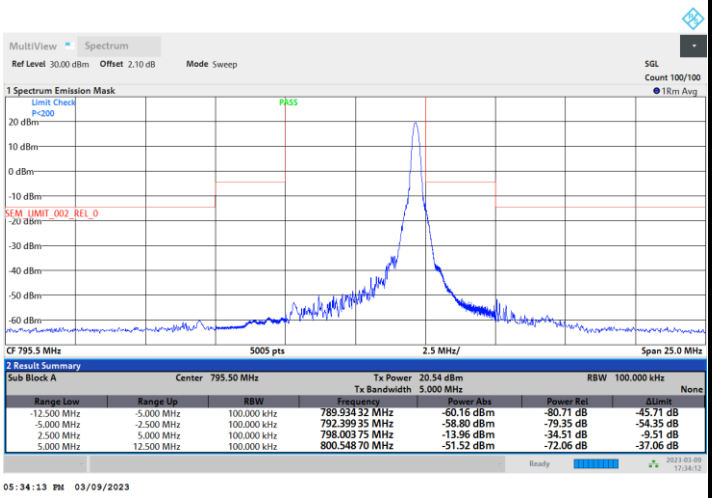
FR1 n14 / 5MHz / DFT-S OFDM / 16QAM

Highest Channel

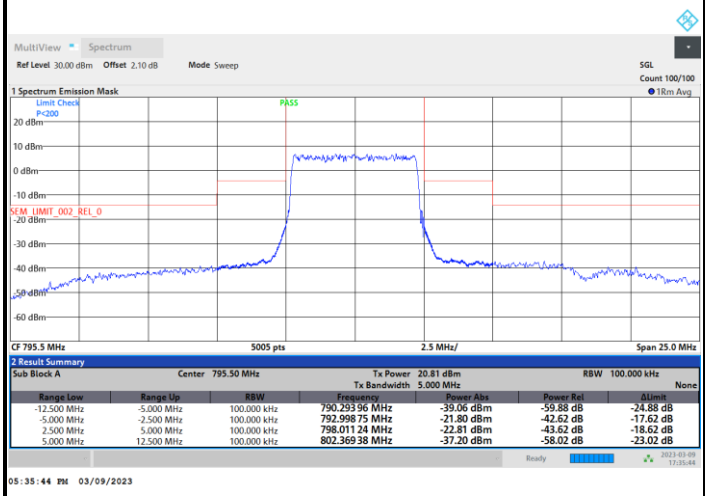
1RB0



1RBmax



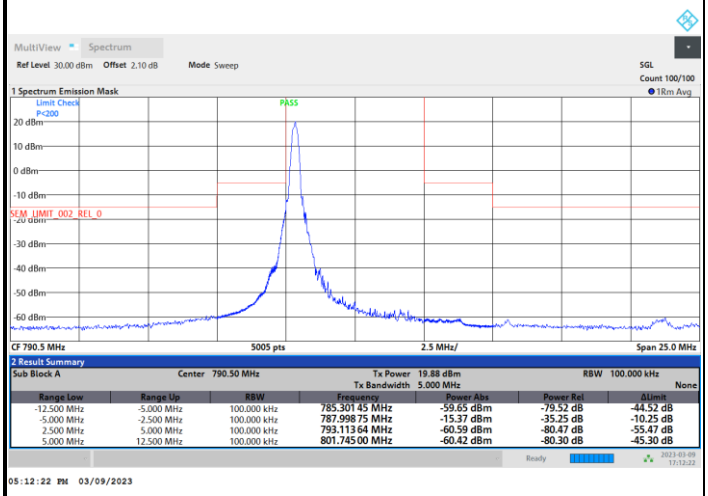
Full RB



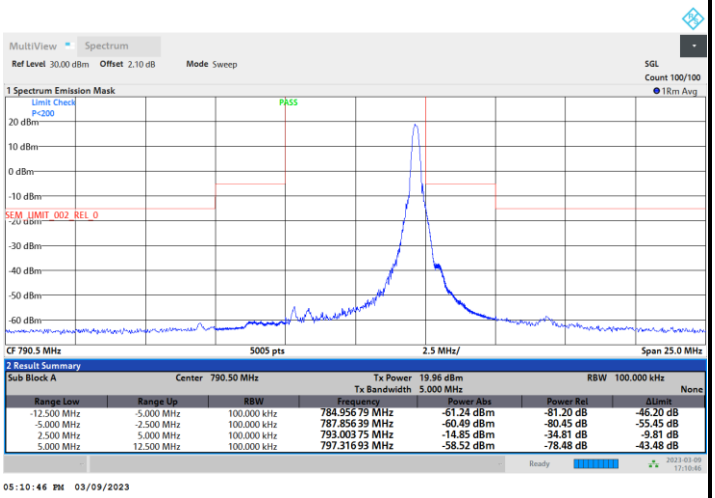
FR1 n14 / 5MHz / DFT-S OFDM / 64QAM

Lowest Channel

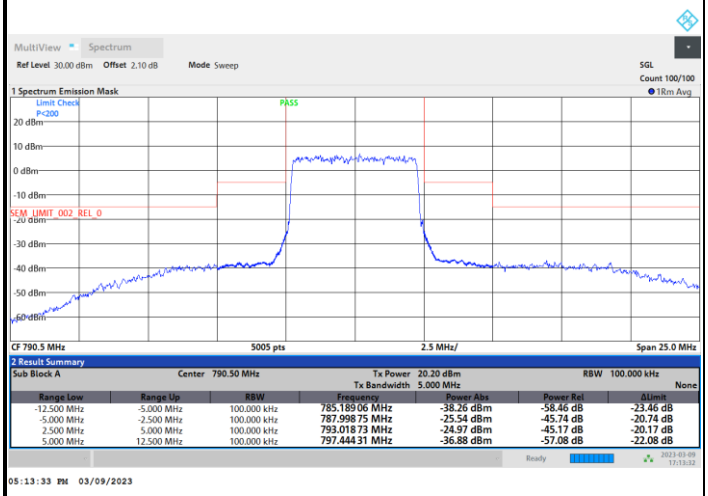
1RB0



1RBmax



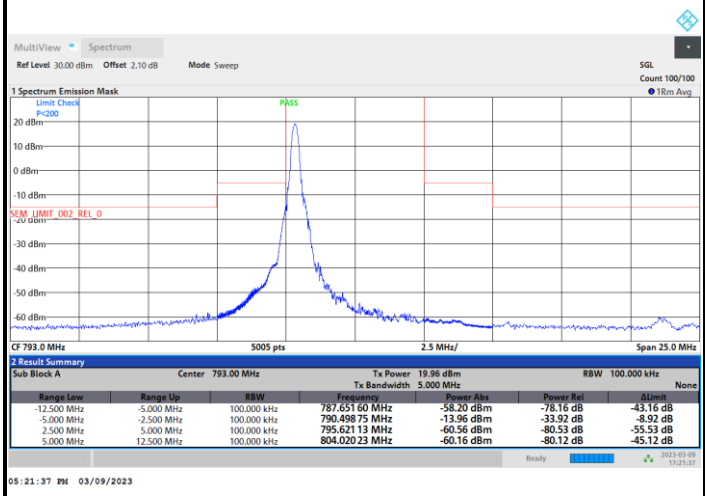
Full RB



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

Middle Channel

1RB0



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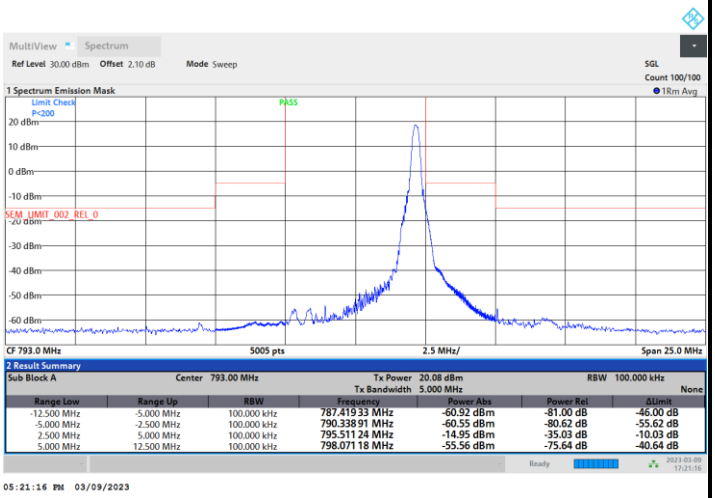
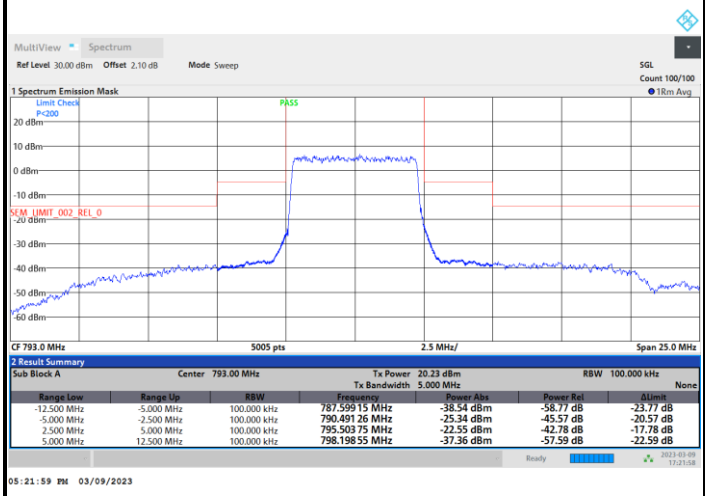


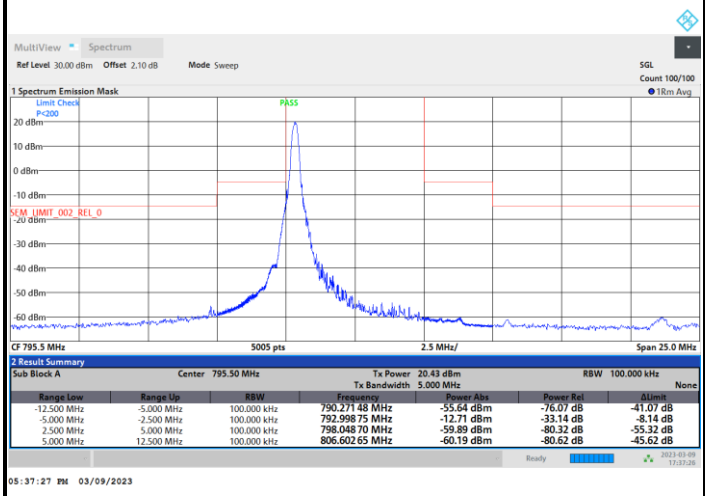
Full RB



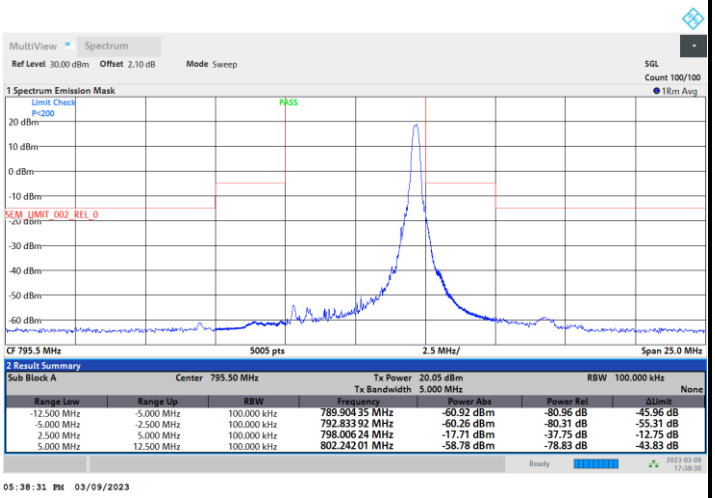
FR1 n14 / 5MHz / DFT-S OFDM / 64QAM

Highest Channel

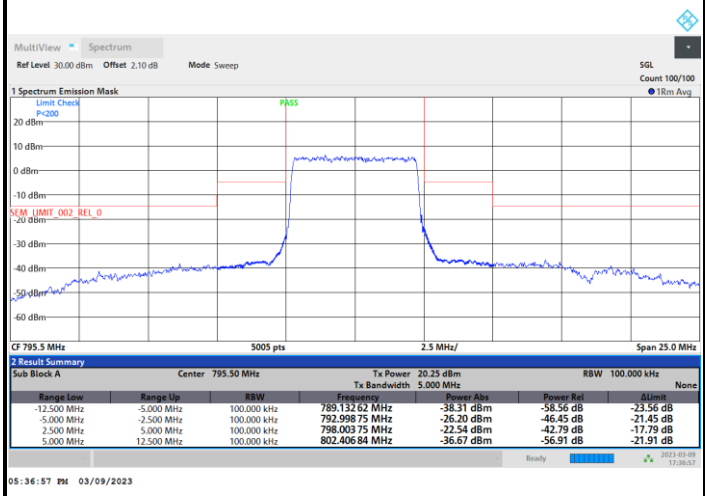
1RB0



1RBmax



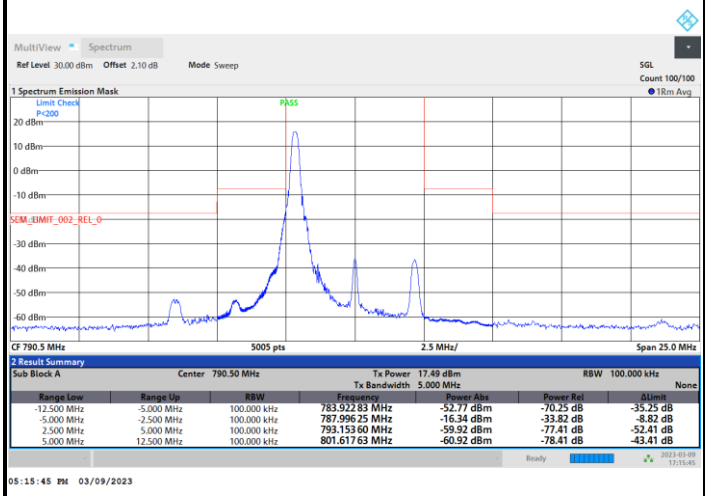
Full RB



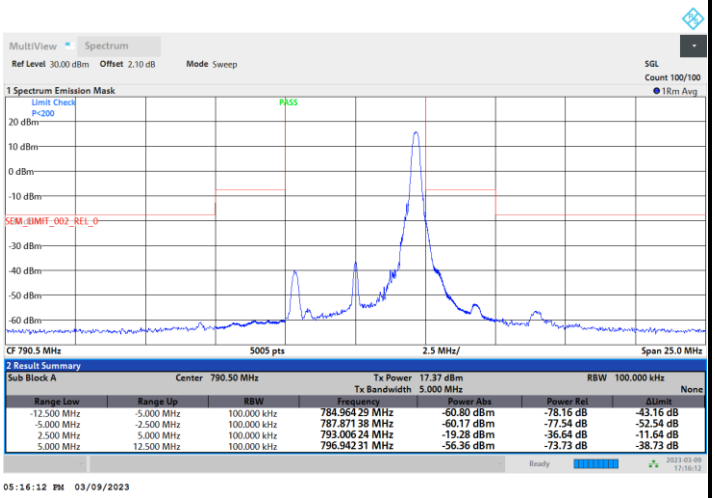
FR1 n14 / 5MHz / DFT-S OFDM / 256QAM

Lowest Channel

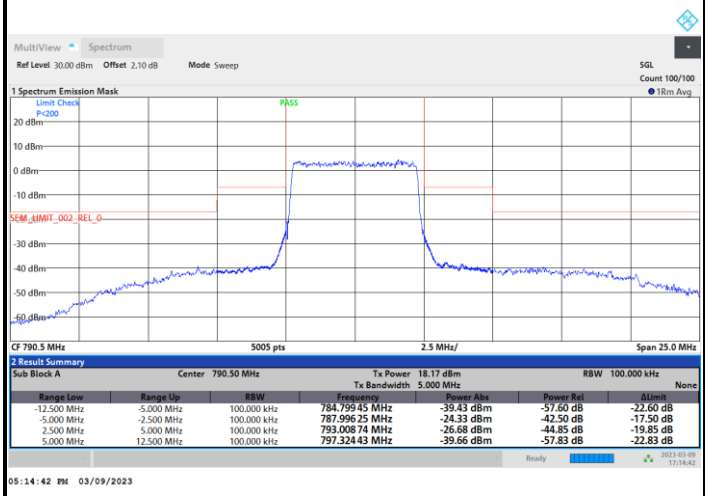
1RB0



1RBmax



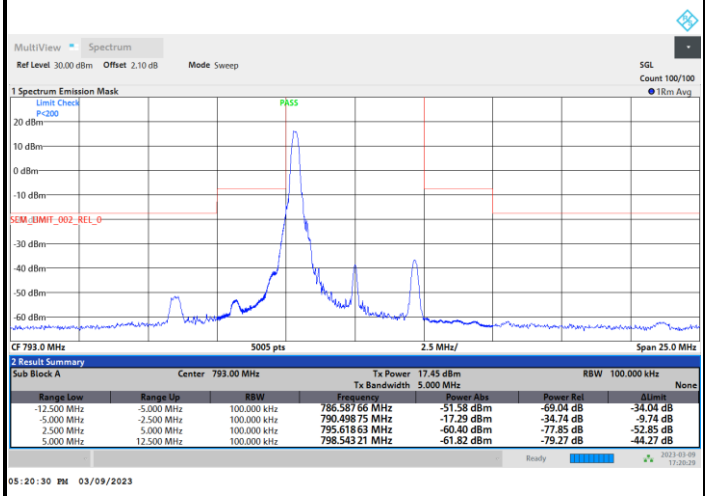
Full RB



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

Middle Channel

1RB0



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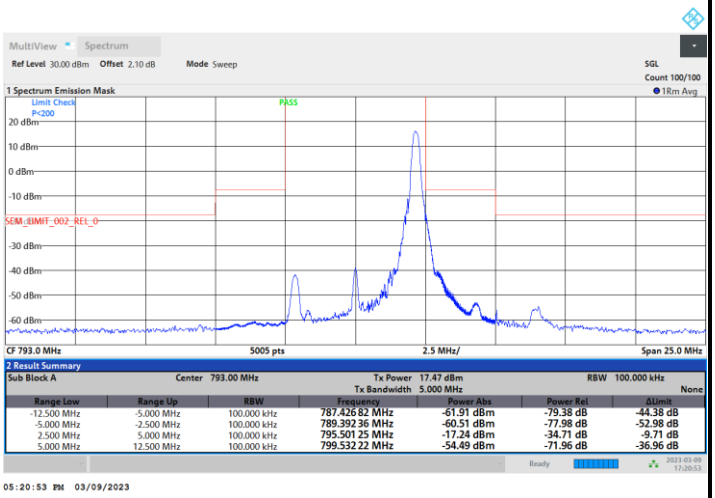
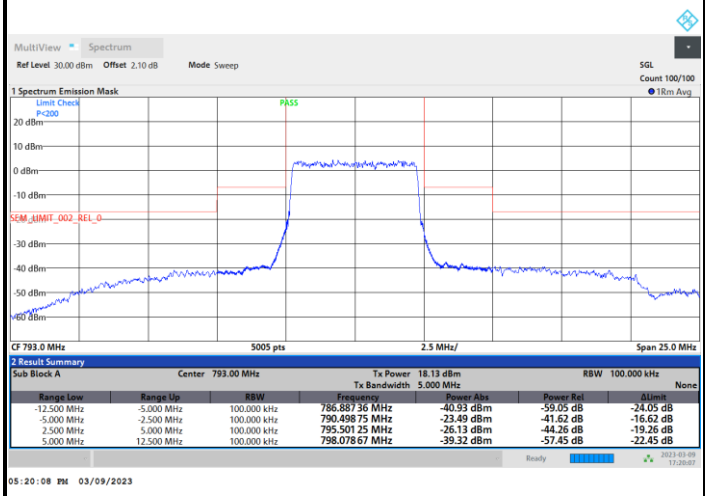


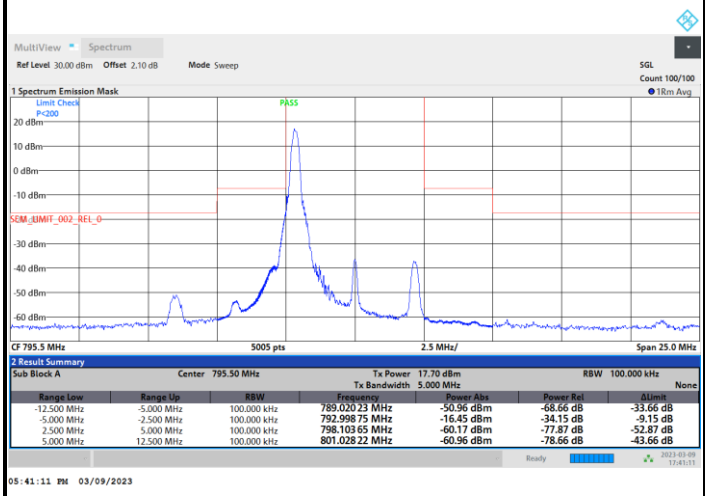
Full RB



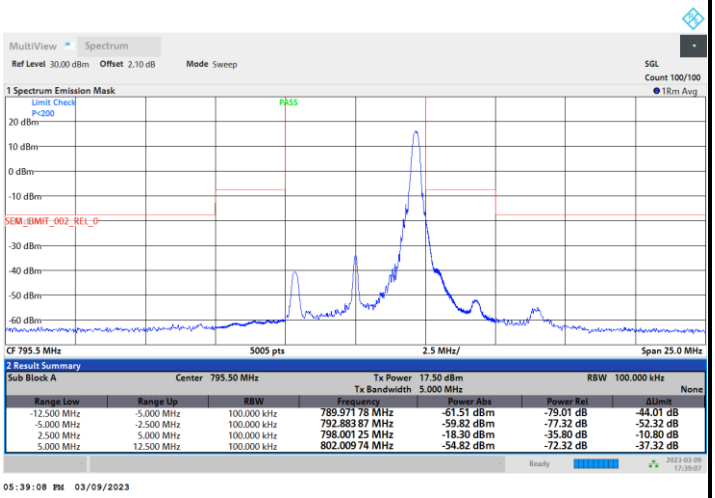
FR1 n14 / 5MHz / DFT-S OFDM / 256QAM

Highest Channel

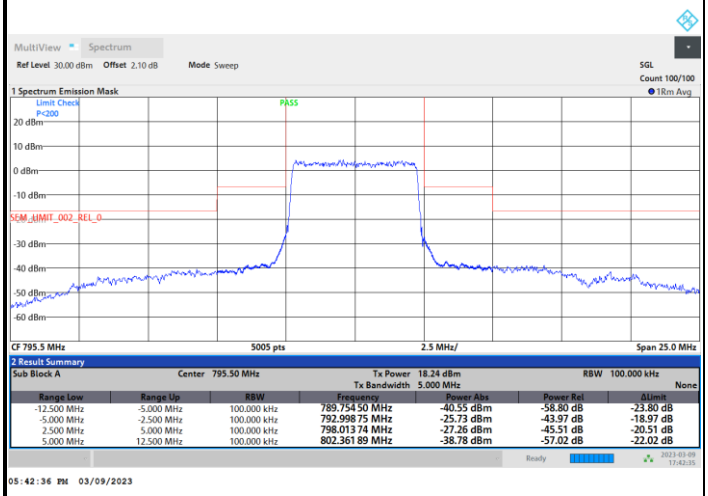
1RB0



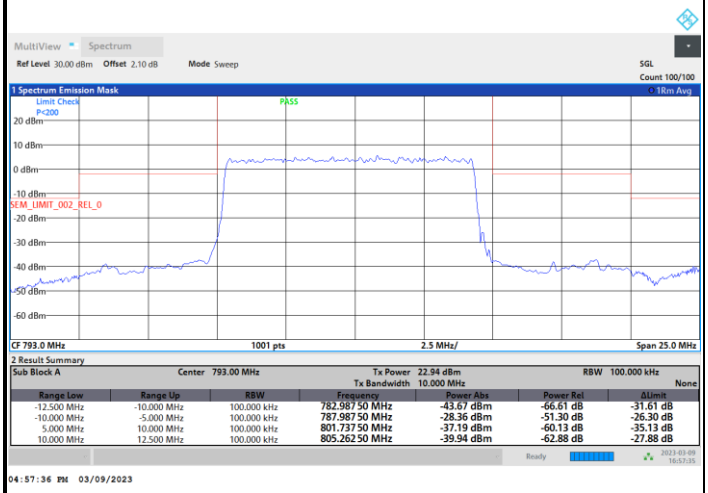
1RBmax

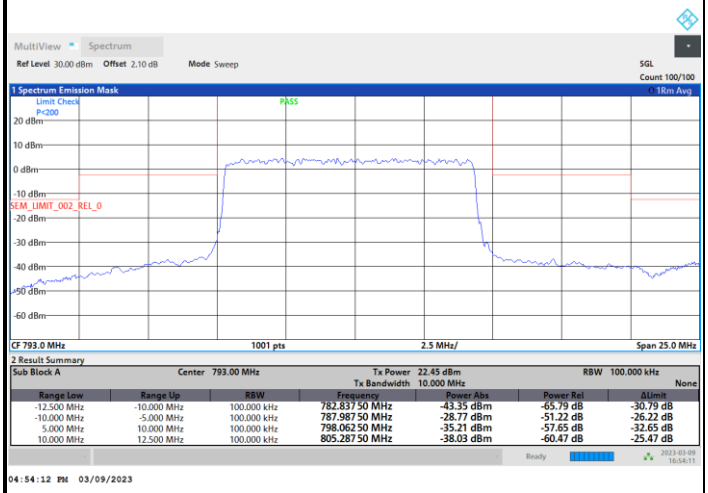


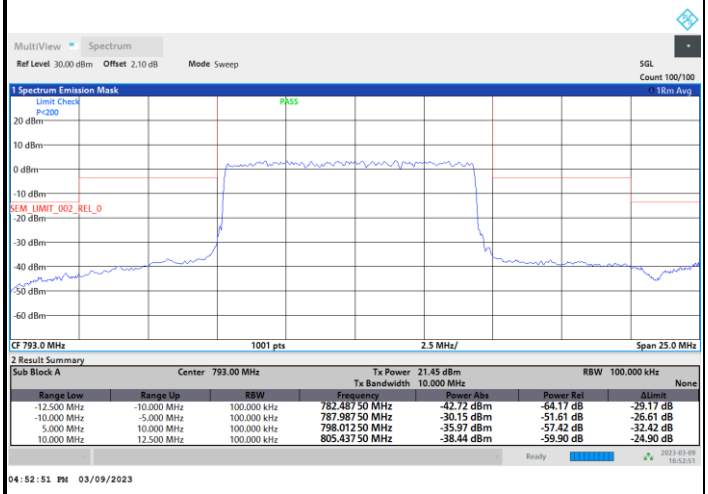
Full RB



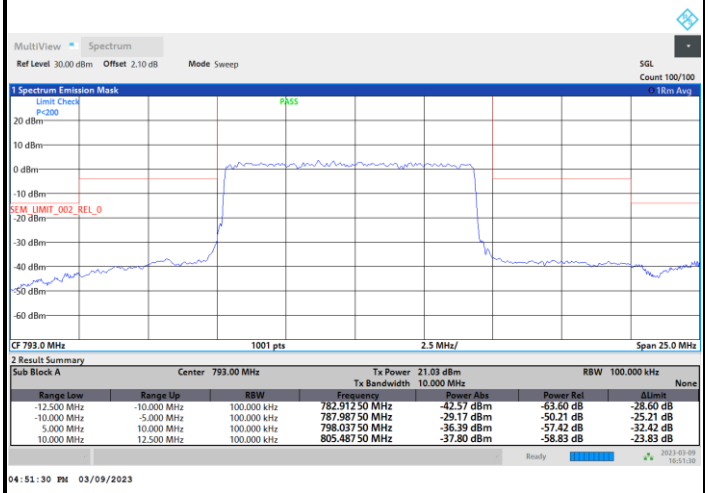
FR1 n14 / 10MHz / DFT-S OFDM / BPSK	
Middle Channel	
Full RB	



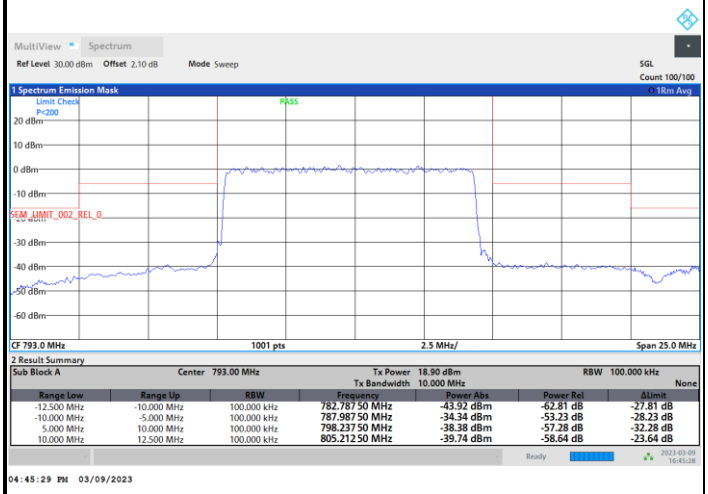
FR1 n14 / 10MHz / DFT-S OFDM / QPSK	
Middle Channel	
Full RB	
	

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

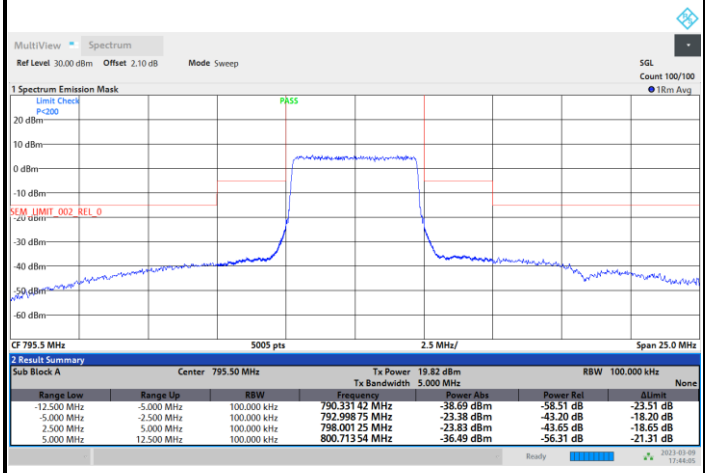
FR1 n14 / 10MHz / DFT-S OFDM / 64QAM	
Middle Channel	
Full RB	



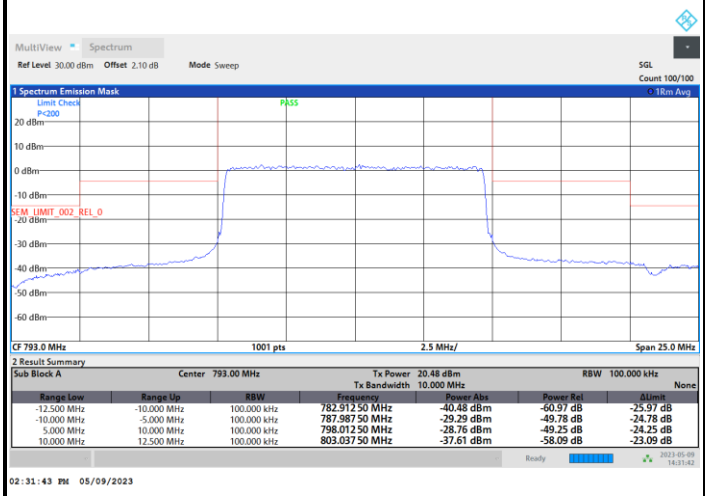
FR1 n14 / 10MHz / DFT-S OFDM / 256QAM	
Middle Channel	
Full RB	



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



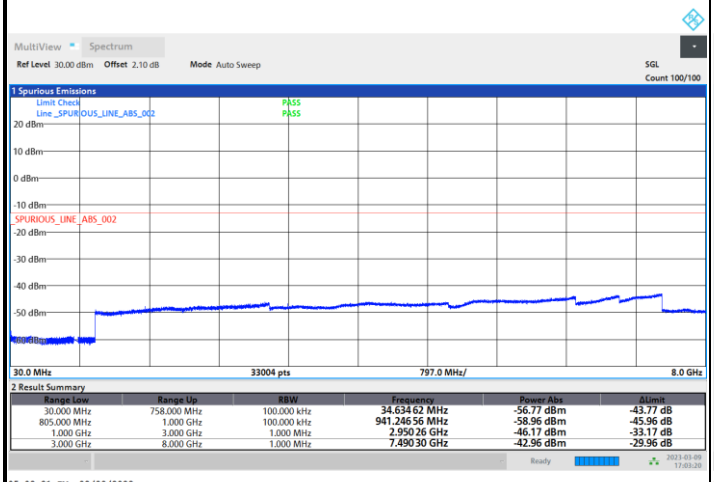
FR1 n14 / 10MHz / CP OFDM / QPSK / Full RB	
Middle Channel	



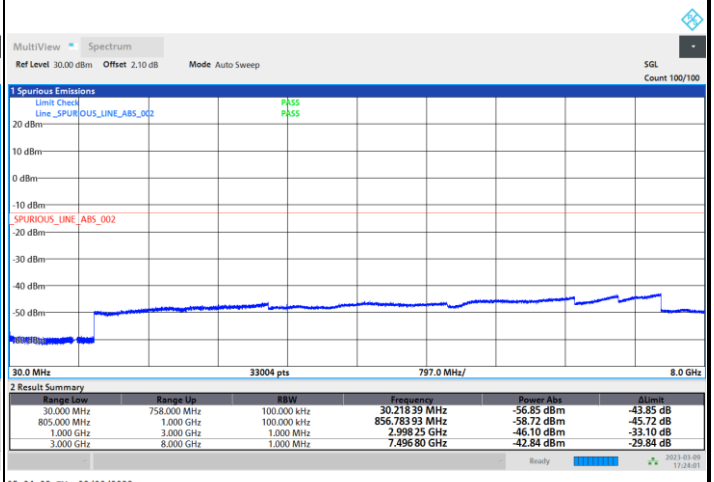
Conducted Spurious Emission

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

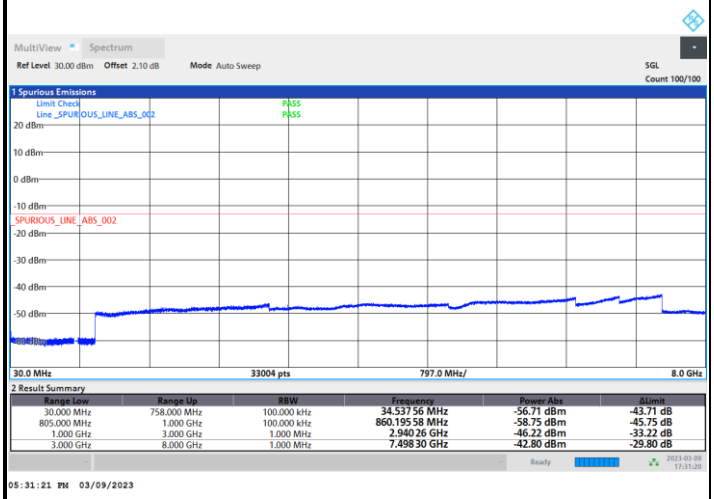
Lowest Channel



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	0.0021	PASS
40	Normal Voltage	0.0014	
30	Normal Voltage	0.0071	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0055	
0	Normal Voltage	0.0030	
-10	Normal Voltage	0.0039	
-20	Normal Voltage	0.0033	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0030	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0019	

Note:

1. Normal Voltage = 3.3 V.；Battery End Point (BEP) = 3.135 V.；Maximum Voltage = 4.4 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	-62.78	-42.15	-20.63	-71.99	-65.85	3.80	9.02	H
	2365	-50.26	-13.00	-37.26	-63.94	-53.35	4.68	9.92	H
	3154	-58.51	-13.00	-45.51	-74.33	-62.25	5.42	11.32	H
									H
									H
									H
									H
	1577	-60.57	-42.15	-18.42	-69.90	-63.64	3.80	9.02	V
	2365	-46.78	-13.00	-33.78	-60.65	-49.87	4.68	9.92	V
	3154	-58.60	-13.00	-45.60	-74.73	-62.34	5.42	11.32	V
									V
									V
									V
									V
Middle	1582	-63.38	-42.15	-21.23	-72.57	-66.48	3.81	9.06	H
	2373	-50.13	-13.00	-37.13	-63.80	-53.27	4.69	9.98	H
	3164	-58.96	-13.00	-45.96	-74.80	-62.74	5.43	11.36	H
									H
									H
									H
									H
	1582	-60.13	-42.15	-17.98	-69.45	-63.23	3.81	9.06	V
	2373	-46.15	-13.00	-33.15	-60.00	-49.29	4.69	9.98	V
	3164	-58.41	-13.00	-45.41	-74.59	-62.19	5.43	11.36	V
									V
									V
									V
									V

Highest	1587	-57.53	-42.15	-15.38	-66.70	-60.67	3.81	9.10	H
	2380	-33.07	-13.00	-20.07	-46.75	-36.26	4.70	10.04	H
	3174	-58.90	-13.00	-45.90	-74.75	-62.71	5.44	11.40	H
									H
									H
									H
									H
	1587	-60.06	-42.15	-17.91	-69.36	-63.20	3.81	9.10	V
	2380	-46.78	-13.00	-33.78	-60.61	-49.97	4.70	10.04	V
	3174	-57.95	-13.00	-44.95	-74.17	-61.76	5.44	11.40	V
									V
									V
									V
									V

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

———THE END———