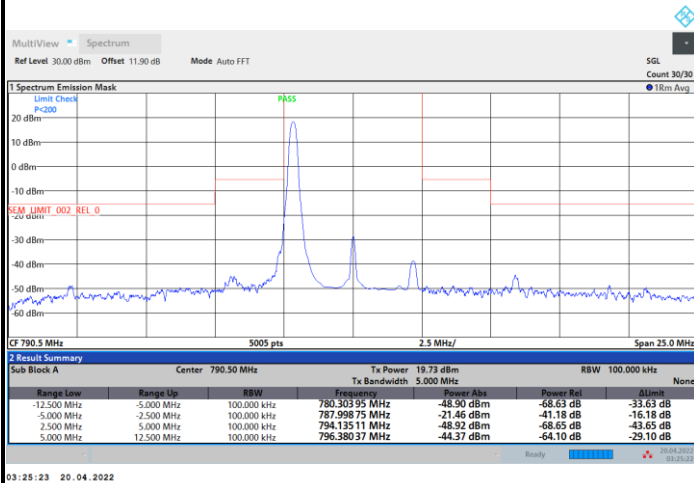




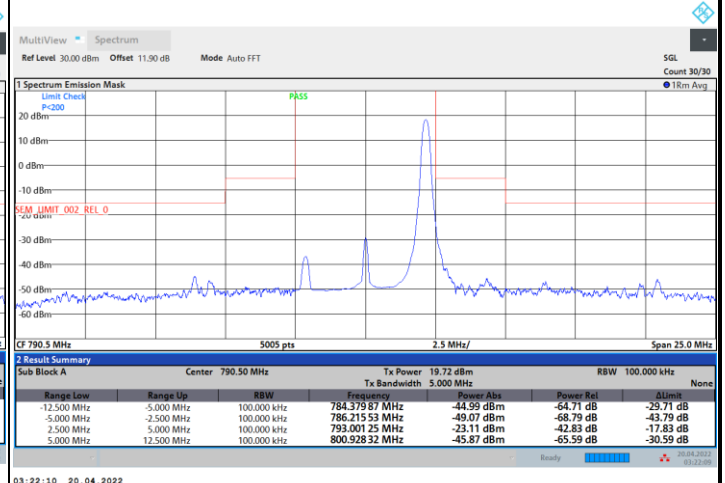
FR1 n14 / 5MHz / DFT-S OFDM / 16QAM

Lowest Channel

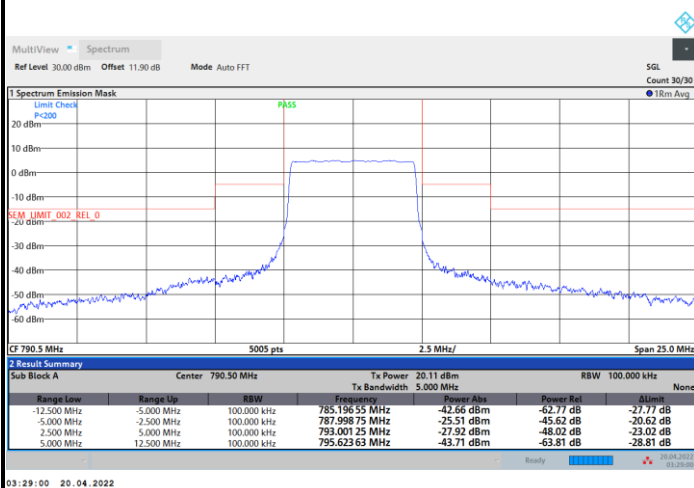
1RB0



1RBmax



Full RB

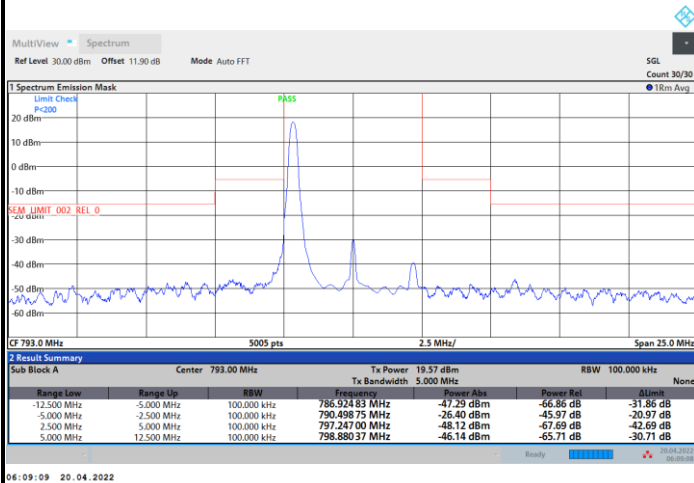




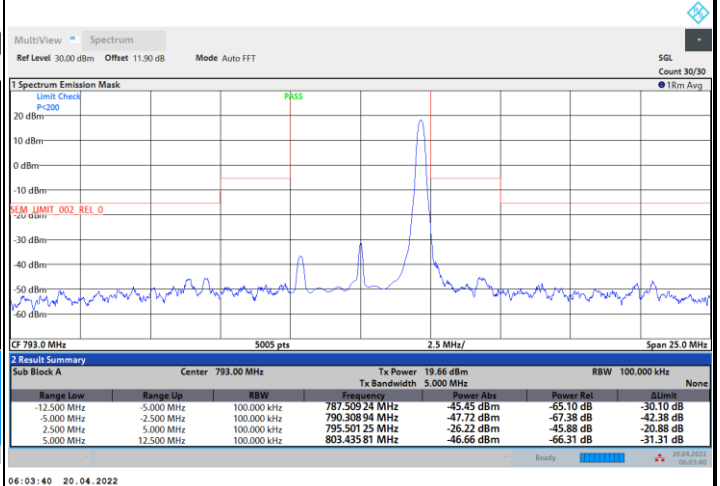
FR1 n14 / 5MHz / DFT-S OFDM / 16QAM

Middle Channel

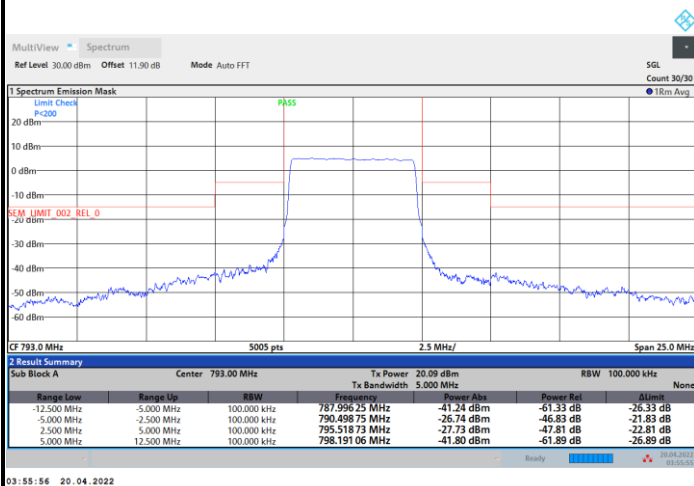
1RB0



1RBmax



Full RB

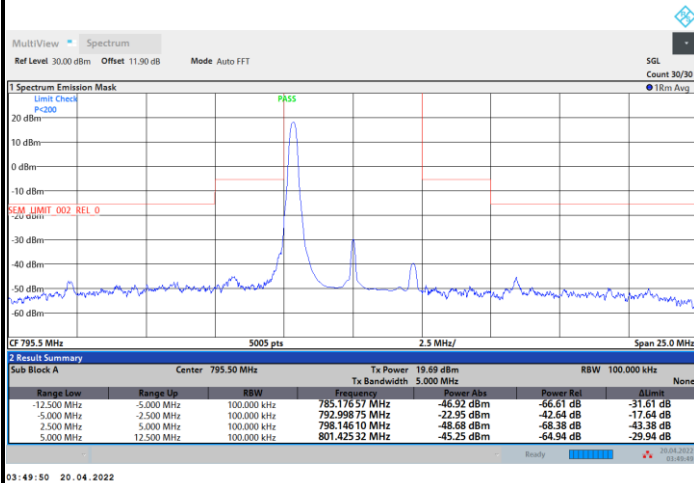




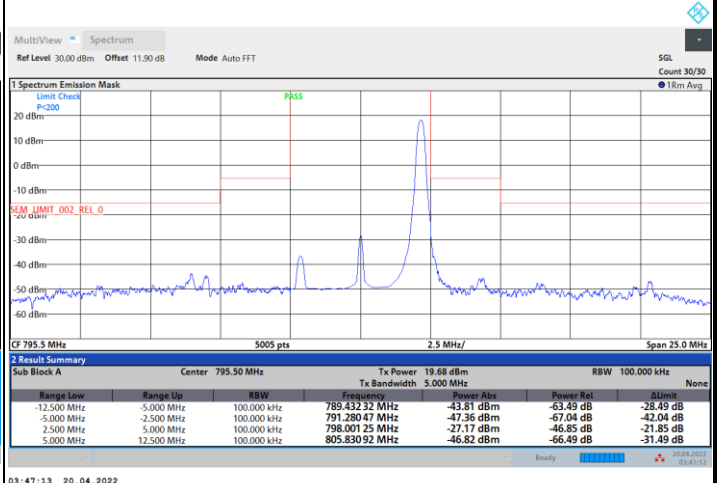
FR1 n14 / 5MHz / DFT-S OFDM / 16QAM

Highest Channel

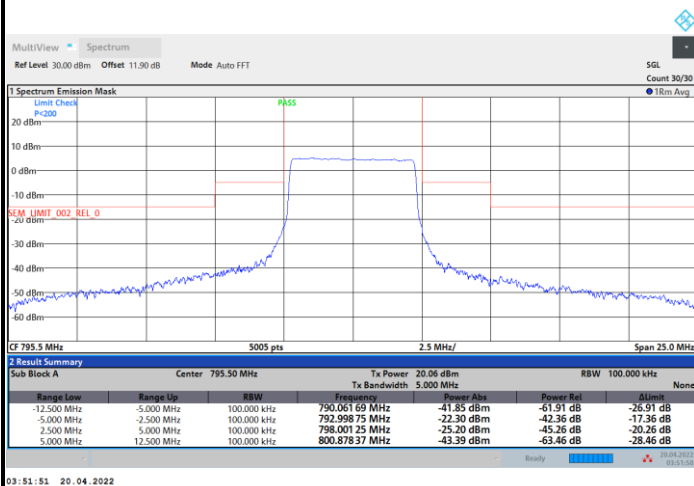
1RB0



1RBmax



Full RB

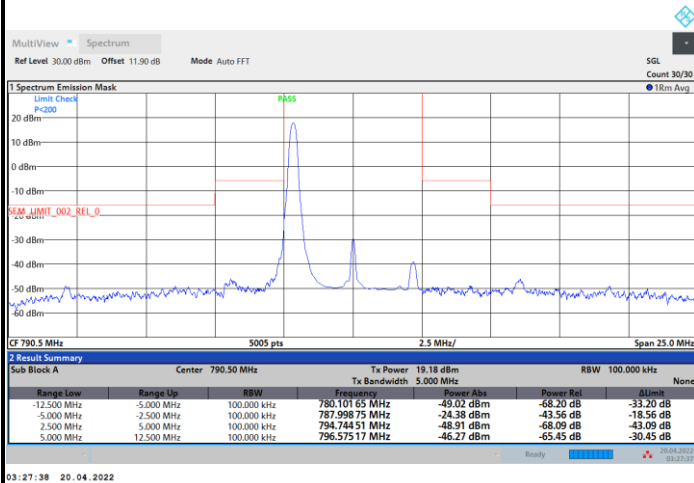




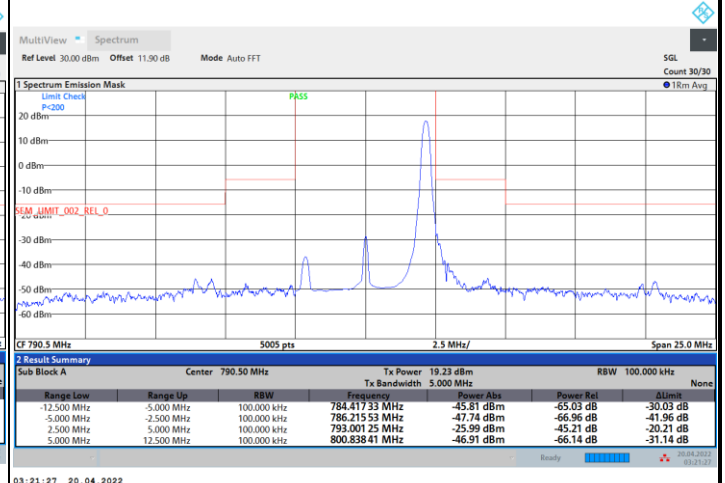
FR1 n14 / 5MHz / DFT-S OFDM / 64QAM

Lowest Channel

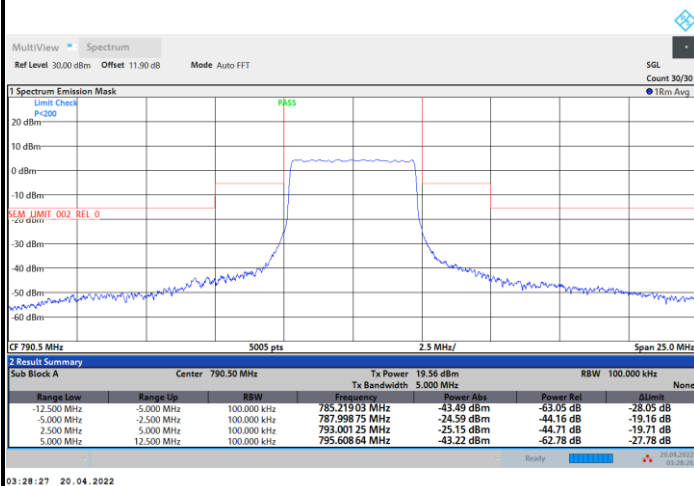
1RB0



1RBmax



Full RB

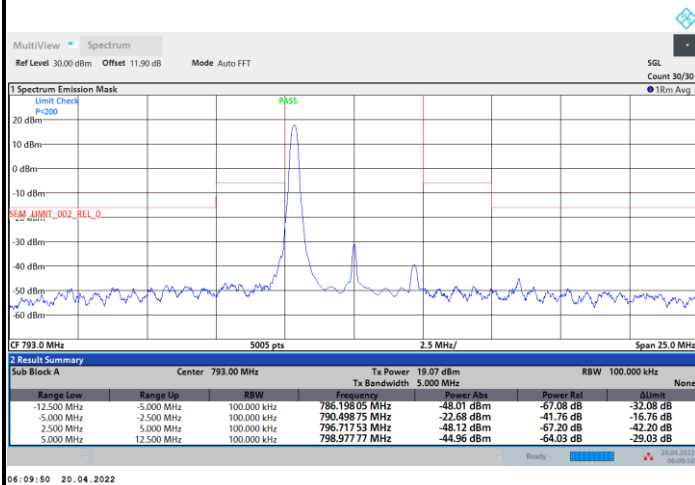




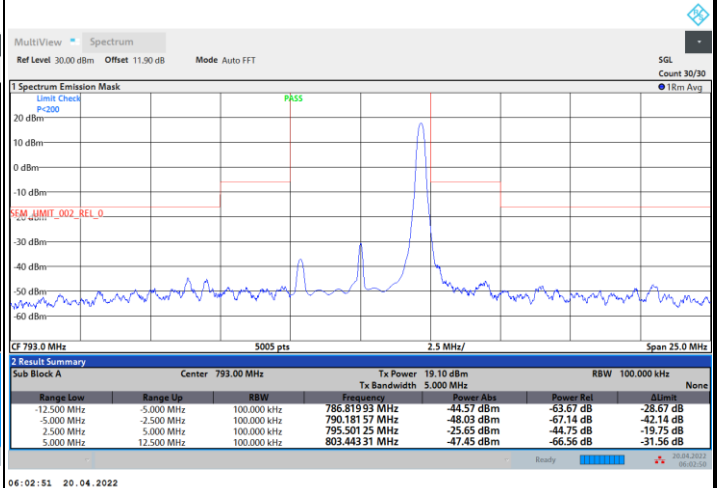
FR1 n14 / 5MHz / DFT-S OFDM / 64QAM

Middle Channel

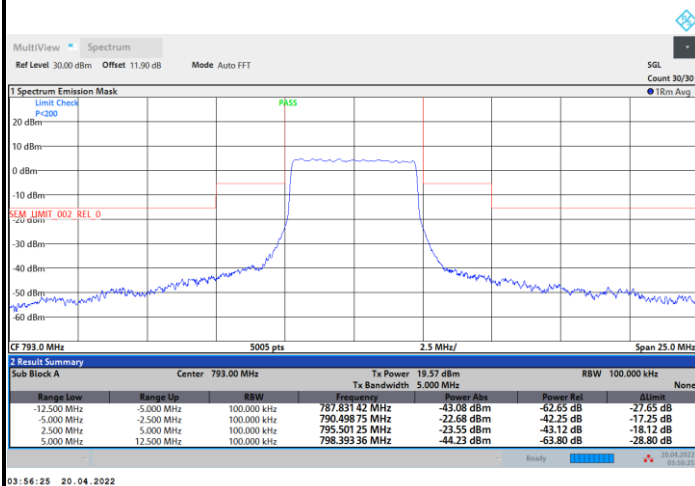
1RB0



1RBmax



Full RB

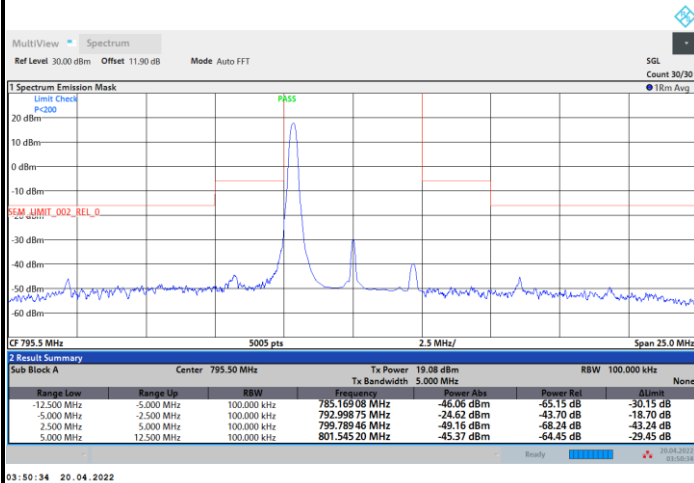




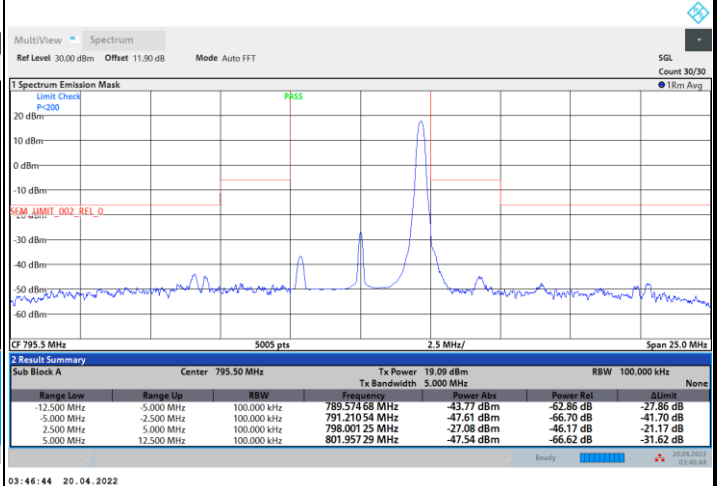
FR1 n14 / 5MHz / DFT-S OFDM / 64QAM

Highest Channel

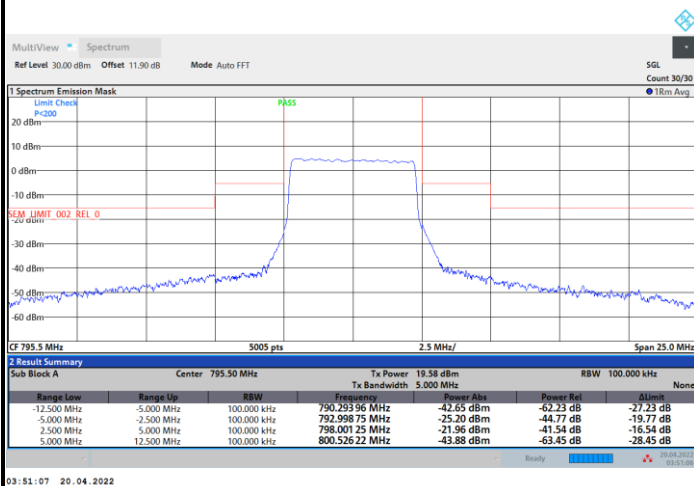
1RB0



1RBmax



Full RB

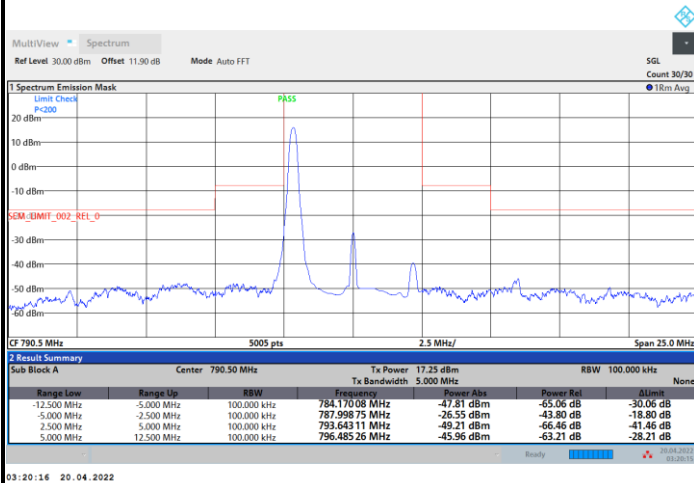




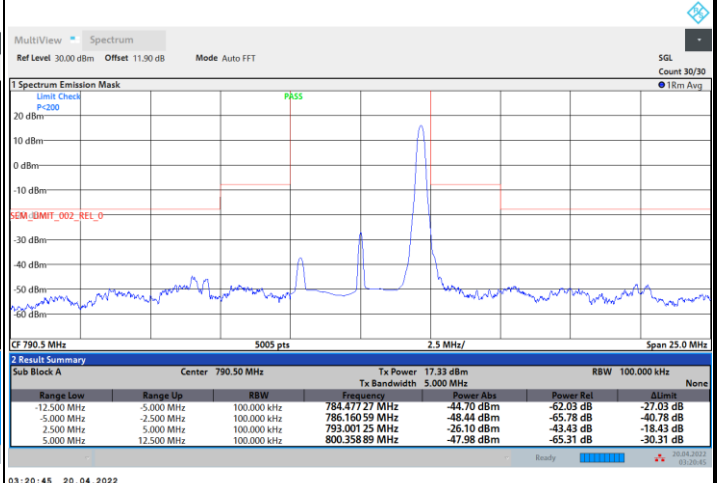
FR1 n14 / 5MHz / DFT-S OFDM / 256QAM

Lowest Channel

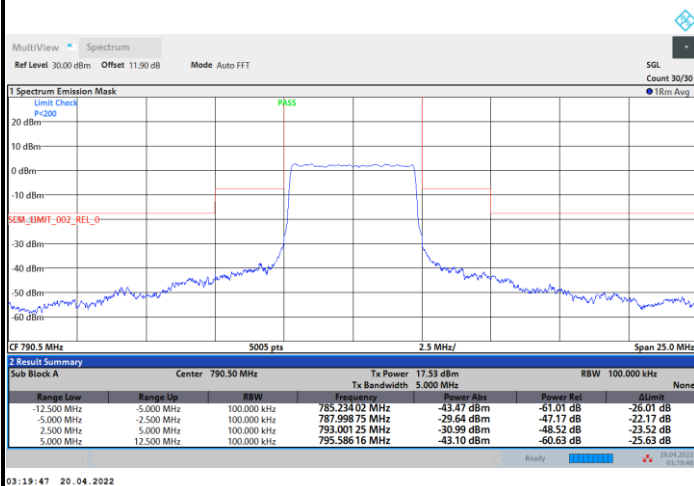
1RB0



1RBmax



Full RB

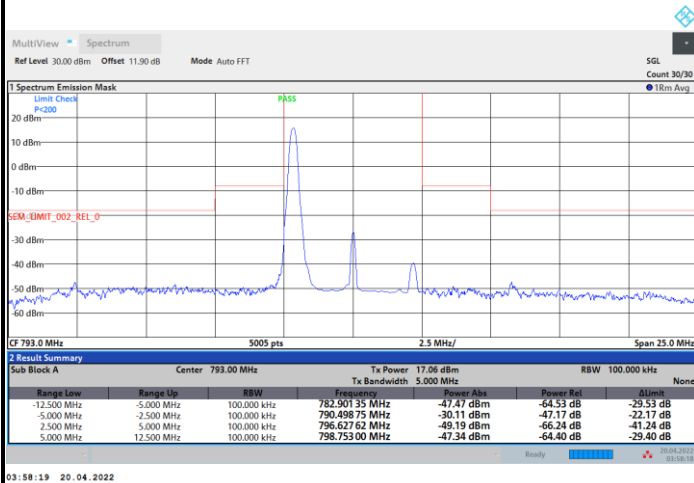




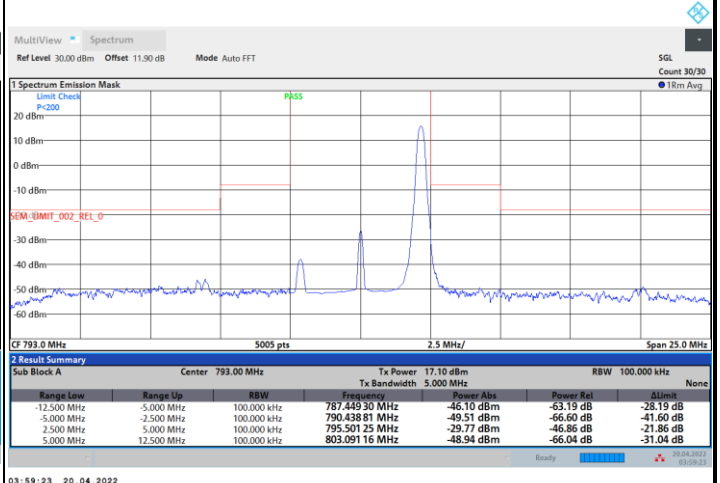
FR1 n14 / 5MHz / DFT-S OFDM / 256QAM

Middle Channel

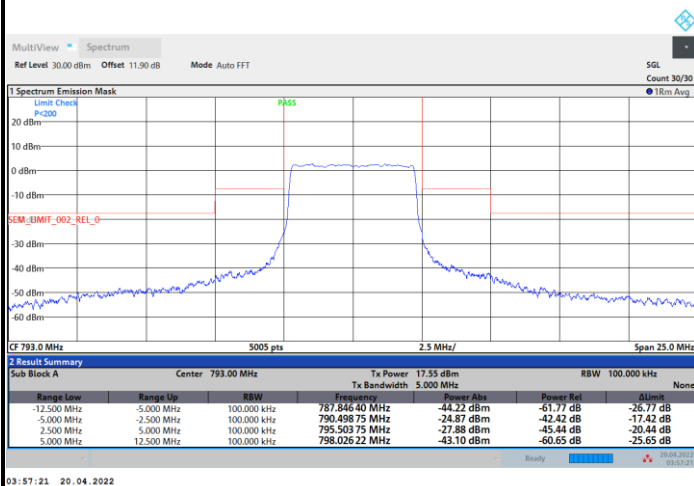
1RB0



1RBmax



Full RB

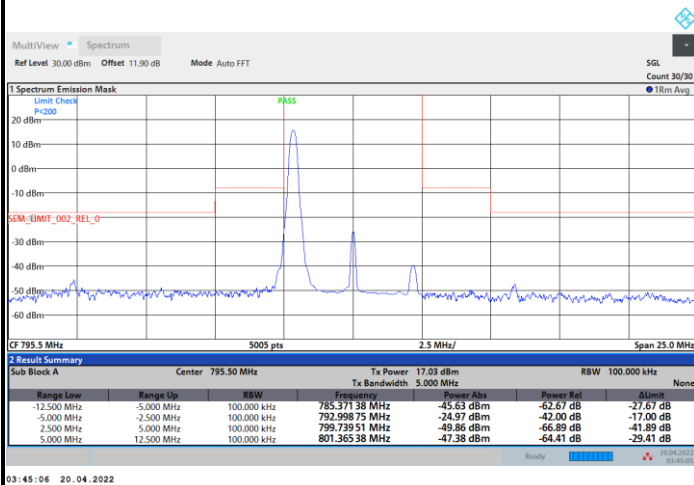




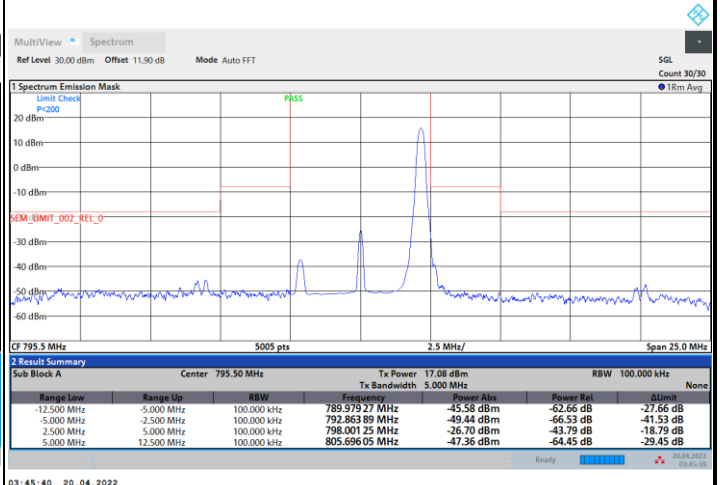
FR1 n14 / 5MHz / DFT-S OFDM / 256QAM

Highest Channel

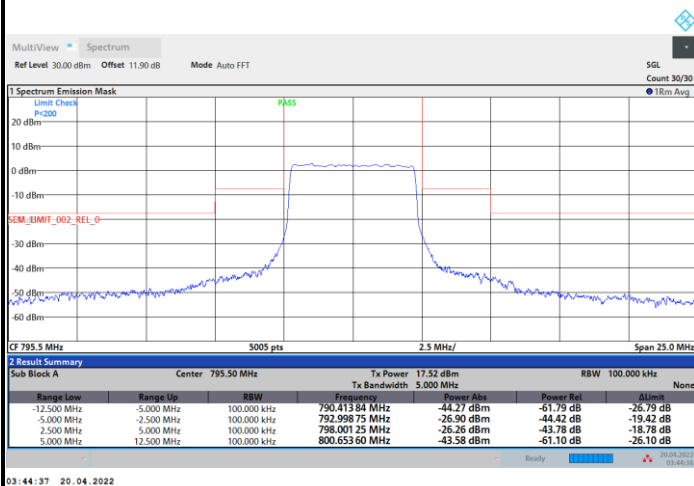
1RB0

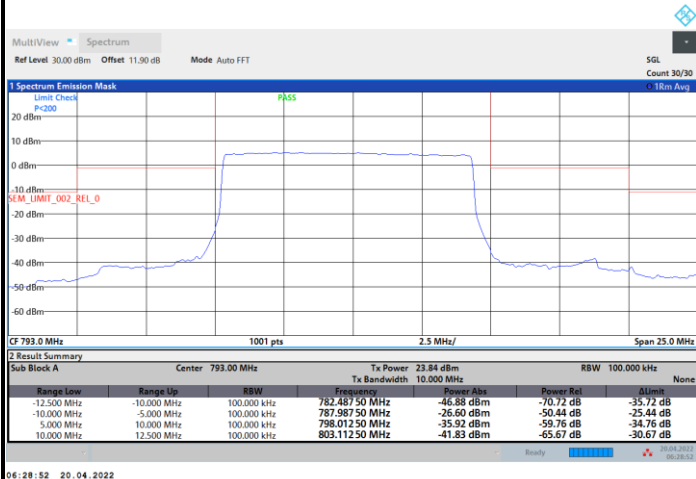
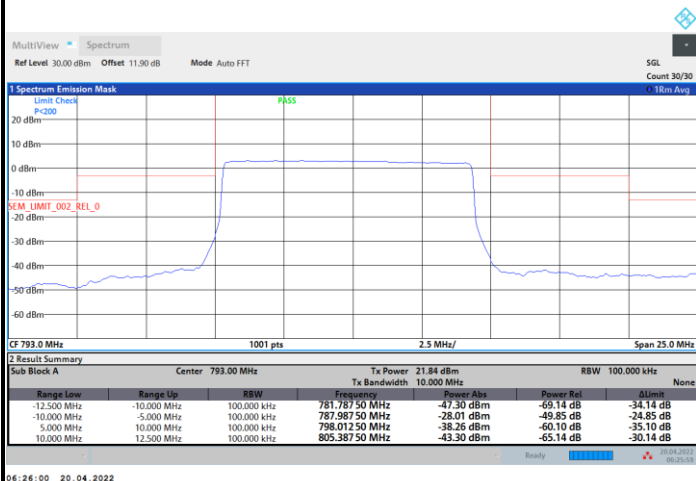


1RBmax



Full RB



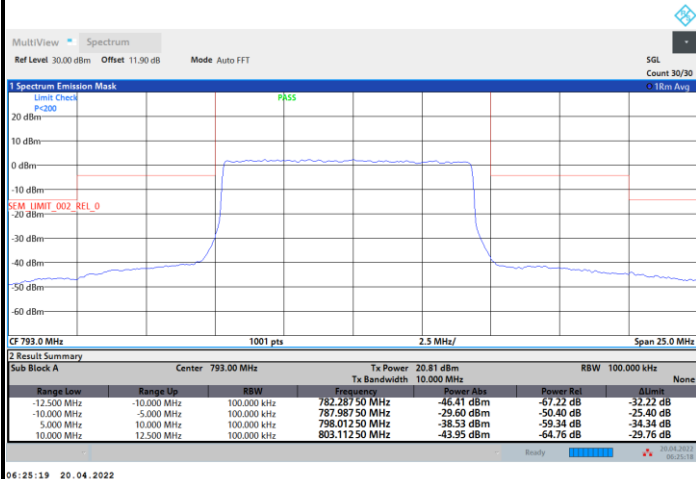
**FR1 n14 / 10MHz / DFT-S OFDM / BPSK****Middle Channel****Full RB****FR1 n14 / 10MHz / DFT-S OFDM / QPSK****Middle Channel****Full RB**



FR1 n14 / 10MHz / DFT-S OFDM / 16QAM

Middle Channel

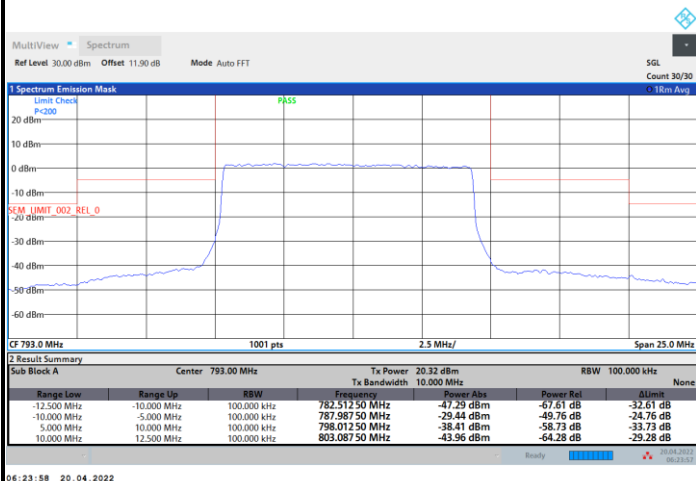
Full RB



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

Middle Channel

Full RB

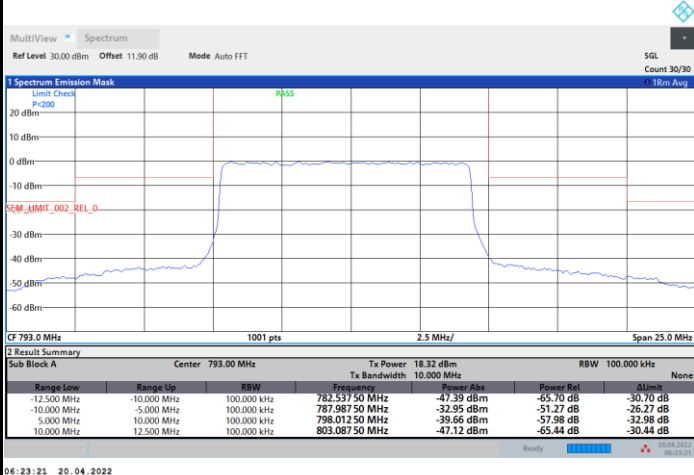




FR1 n14 / 10MHz / DFT-S OFDM / 256QAM

Middle Channel

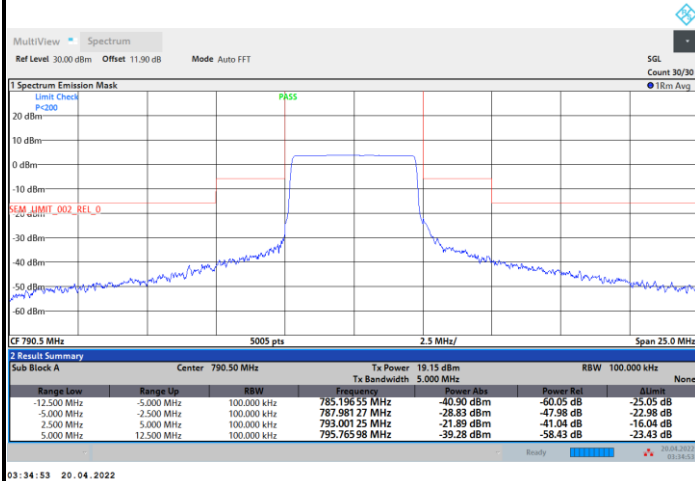
Full RB





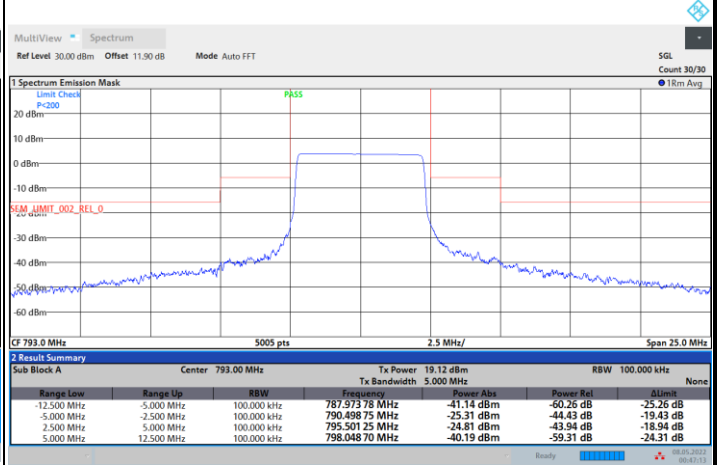
FR1 n14 / 5MHz / CP OFDM / QPSK / Full RB

Lowest Channel



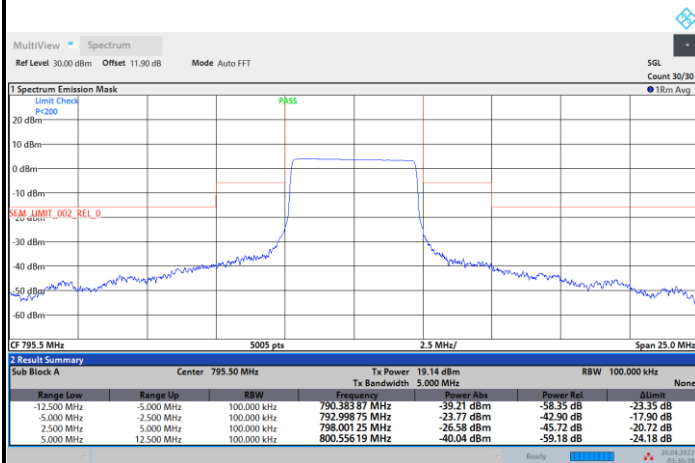
03:34:53 20.04.2022

Middle Channel



00:47:13 08.05.2022

Highest Channel

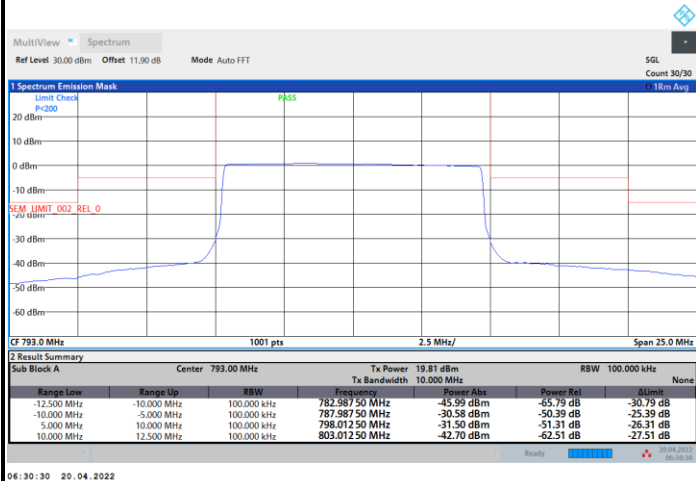


03:34:39 20.04.2022



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

Middle Channel

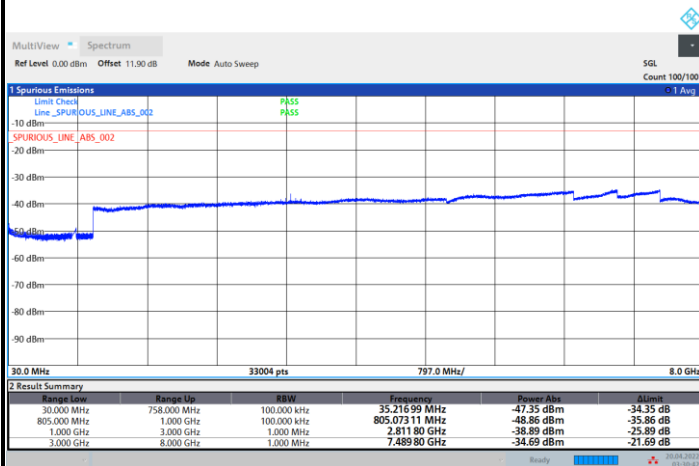




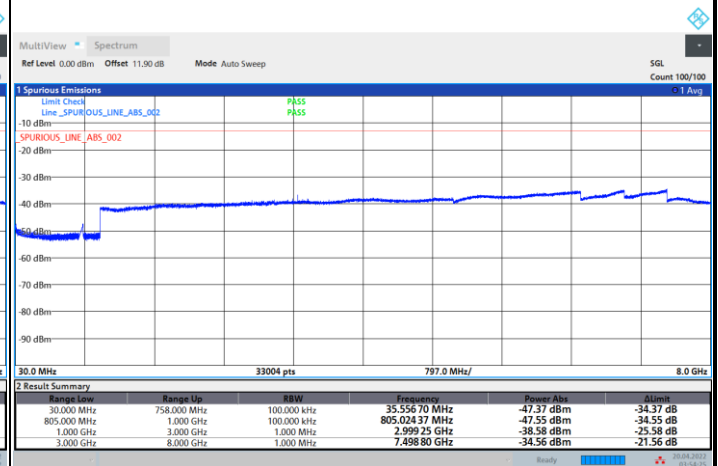
Conducted Spurious Emission

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

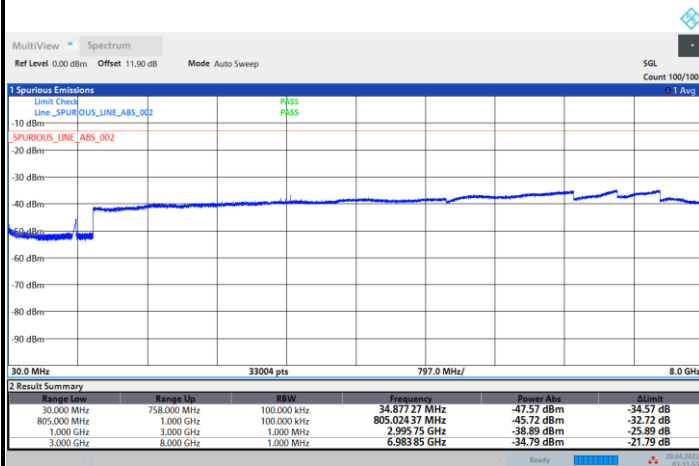
Lowest Channel



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	0.0059	PASS
40	Normal Voltage	0.0030	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0023	
-10	Normal Voltage	0.0050	
-20	Normal Voltage	0.0046	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0021	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0034	

Note:

1. Normal Voltage = 3.86 V. ; Battery End Point (BEP) = 3.40 V. ; Maximum Voltage = 4.45 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

<Primary Antenna>

5G NR n14

5G NR n14 /5M / 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	1576	-62.17	-42.15	-20.02	-71.99	-64.11	4.82	8.91	H
	2360	-65.21	-13	-52.21	-77.83	-67.64	5.92	10.50	H
	3152	-62.33	-13	-49.33	-78.85	-63.91	6.87	10.61	H
									H
									H
									H
	1576	-63.33	-42.15	-21.18	-72.97	-65.27	4.82	8.91	V
	2360	-64.94	-13	-51.94	-77.60	-67.37	5.92	10.50	V
	3152	-62.33	-13	-49.33	-78.57	-63.91	6.87	10.61	V
									V
									V
									V
Middle	1584	-62.83	-42.15	-20.68	-72.67	-64.82	4.83	8.97	H
	2367	-65.33	-13	-52.33	-77.96	-67.75	5.93	10.50	H
	3168	-61.84	-13	-48.84	-78.43	-63.47	6.89	10.67	H
									H
									H
									H
	1584	-63.76	-42.15	-21.61	-73.40	-65.75	4.83	8.97	V
	2367	-64.48	-13	-51.48	-77.16	-66.90	5.93	10.50	V
	3168	-62.20	-13	-49.20	-78.51	-63.83	6.89	10.67	V
									V
									V
									V



Highest	1584	-62.60	-42.15	-20.45	-72.44	-64.59	4.83	8.97	H
	2376	-64.92	-13	-51.92	-77.56	-67.33	5.94	10.50	H
	3168	-62.12	-13	-49.12	-78.71	-63.75	6.89	10.67	H
									H
									H
									H
									H
	1584	-62.69	-42.15	-20.54	-72.33	-64.68	4.83	8.97	V
	2376	-64.97	-13	-51.97	-77.65	-67.38	5.94	10.50	V
	3168	-62.46	-13	-49.46	-78.77	-64.09	6.89	10.67	V
									V
									V
									V
									V

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



5G NR n14 /10M / 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	1576	-65.52	-42.15	-23.37	-75.34	-67.46	4.82	8.91	H
	2368	-53.95	-13	-40.95	-66.58	-56.37	5.93	10.50	H
	3152	-62.32	-13	-49.32	-78.84	-63.90	6.87	10.61	H
									H
									H
									H
									H
	1576	-63.14	-42.15	-20.99	-72.78	-65.08	4.82	8.91	V
	2368	-53.48	-13	-40.48	-66.15	-55.90	5.93	10.50	V
	3152	-62.68	-13	-49.68	-78.92	-64.26	6.87	10.61	V
									V
									V
									V
									V

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



<ASDIV Antenna>

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	1576	-60.99	-42.15	-18.84	-70.81	-62.93	4.82	8.91	H
	2368	-65.08	-13	-52.08	-77.71	-67.50	5.93	10.50	H
	3154	-61.93	-13	-48.93	-78.46	-63.52	6.88	10.62	H
									H
									H
									H
									H
	1576	-62.68	-42.15	-20.53	-72.32	-64.62	4.82	8.91	V
	2368	-64.08	-13	-51.08	-76.75	-66.50	5.93	10.50	V
	3154	-62.84	-13	-49.84	-79.09	-64.43	6.88	10.62	V
									V
									V
									V
									V
Middle	1584	-62.60	-42.15	-20.45	-72.44	-64.59	4.83	8.97	H
	2376	-64.35	-13	-51.35	-76.99	-66.76	5.94	10.50	H
	3168	-62.01	-13	-49.01	-78.60	-63.64	6.89	10.67	H
									H
									H
									H
									H
	1584	-62.71	-42.15	-20.56	-72.35	-64.70	4.83	8.97	V
	2376	-63.76	-13	-50.76	-76.44	-66.17	5.94	10.50	V
	3168	-62.14	-13	-49.14	-78.45	-63.77	6.89	10.67	V
									V
									V
									V
									V



Highest	1587	-63.94	-42.15	-21.79	-73.78	-65.95	4.84	9.00	H
	2380	-64.96	-13	-51.96	-77.61	-67.36	5.95	10.50	H
	3174	-62.24	-13	-49.24	-78.86	-63.89	6.90	10.70	H
									H
									H
									H
									H
	1587	-61.80	-42.15	-19.65	-71.43	-63.81	4.84	9.00	V
	2380	-63.64	-13	-50.64	-76.33	-66.04	5.95	10.50	V
	3174	-62.07	-13	-49.07	-78.42	-63.72	6.90	10.70	V
									V
									V
									V
									V

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



5G NR n14 / 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	1576	-65.52	-42.15	-23.37	-75.34	-67.46	4.82	8.91	H
	2368	-56.95	-13	-43.95	-69.58	-59.37	5.93	10.50	H
	3160	-61.79	-13	-48.79	-78.35	-63.40	6.88	10.64	H
									H
									H
									H
									H
	1576	-66.14	-42.15	-23.99	-75.78	-68.08	4.82	8.91	V
	2368	-57.48	-13	-44.48	-70.15	-59.90	5.93	10.50	V
	3160	-62.24	-13	-49.24	-78.52	-63.85	6.88	10.64	V
									V
									V
									V
									V

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

—————THE END—————