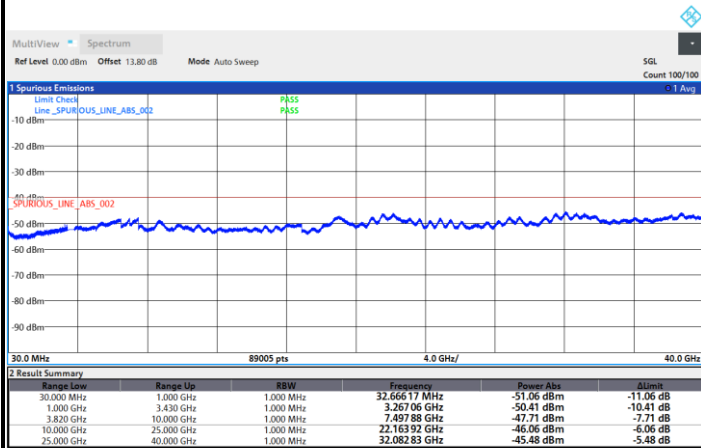


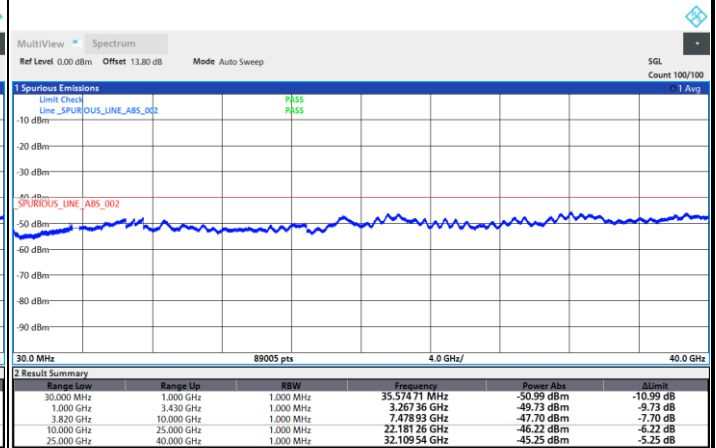


FR1 n48 / 40MHz / CP OFDM / QPSK / 1RB1

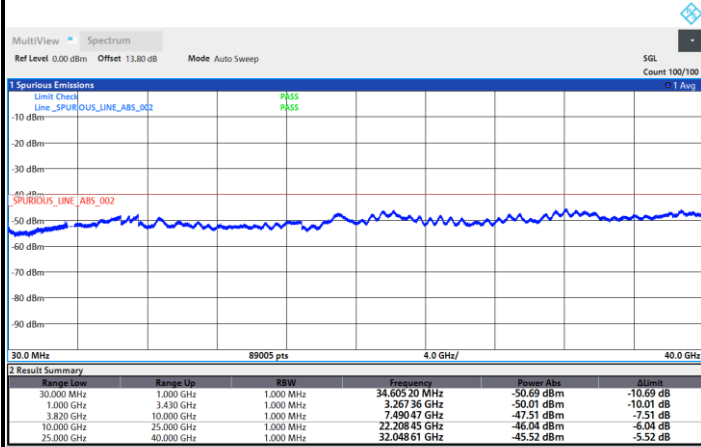
Lowest Channel



Middle Channel



Highest Channel



Frequency Stability

Test Conditions		FR1 n48 (PI/2 BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0054	PASS
40	Normal Voltage	0.0032	
30	Normal Voltage	0.0008	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0021	
-20	Normal Voltage	0.0052	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0039	

Note:

1. Normal Voltage = 3.85 V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage = 4.3 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

Appendix B. Test Results of Radiated Test

<Primary Antenna>

<Ant. 6>

5G NR n48

5G NR n48 / 40MHz / BPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	7105	-56.31	-40	-16.31	-54.44	-66.01	1.84	11.54	H
	10655	-51.88	-40	-11.88	-54.49	-60.35	2.23	10.71	H
	14211	-48.95	-40	-8.95	-57.69	-58.57	2.65	12.27	H
	21318	-63.13	-40	-23.13	-77.53	-77.99	3.32	18.18	H
	24870	-59.44	-40	-19.44	-77.72	-74.21	3.71	18.48	H
	28422	-55.96	-40	-15.96	-76.47	-71.42	3.99	19.45	H
	7105	-55.76	-40	-15.76	-54.14	-65.46	1.84	11.54	V
	10655	-52.62	-40	-12.62	-54.82	-61.09	2.23	10.71	V
	14211	-49.21	-40	-9.21	-57.84	-58.83	2.65	12.27	V
	21318	-63.69	-40	-23.69	-77.79	-78.55	3.32	18.18	V
	24870	-59.49	-40	-19.49	-77.45	-74.26	3.71	18.48	V
	28422	-56.62	-40	-16.62	-76.71	-72.08	3.99	19.45	V
Middle	7215	-56.76	-40	-16.76	-55.19	-66.22	1.85	11.31	H
	10820	-49.37	-40	-9.37	-52.31	-57.76	2.22	10.61	H
	14431	-48.84	-40	-8.84	-57.79	-58.35	2.63	12.14	H
	18033	-60.40	-40	-20.40	-71.83	-74.77	3.23	17.60	H
	21640	-62.18	-40	-22.18	-77.28	-77.31	3.41	18.54	H
	25250	-59.92	-40	-19.92	-78.23	-74.86	3.76	18.70	H
	7215	-53.86	-40	-13.86	-52.66	-63.32	1.85	11.31	V
	10820	-51.13	-40	-11.13	-53.81	-59.52	2.22	10.61	V
	14431	-48.54	-40	-8.54	-57.85	-58.05	2.63	12.14	V
	18033	-60.72	-40	-20.72	-71.85	-75.09	3.23	17.60	V
	21640	-62.11	-40	-22.11	-76.89	-77.24	3.41	18.54	V
	25250	-60.14	-40	-20.14	-78.16	-75.08	3.76	18.70	V



Highest	7325	-56.18	-40	-16.18	-54.88	-65.64	1.90	11.36	H
	10985	-52.19	-40	-12.19	-55.46	-60.50	2.20	10.51	H
	14651	-48.47	-40	-8.47	-57.54	-58.30	2.60	12.43	H
	18310	-62.55	-40	-22.55	-74.25	-76.91	3.24	17.60	H
	21973	-62.90	-40	-22.90	-78.34	-78.27	3.50	18.87	H
	25636	-58.96	-40	-18.96	-77.46	-74.13	3.85	19.03	H
	7325	-55.83	-40	-15.83	-54.74	-65.29	1.90	11.36	V
	10985	-52.43	-40	-12.43	-55.6	-60.74	2.20	10.51	V
	14651	-47.96	-40	-7.96	-57.83	-57.79	2.60	12.43	V
	18310	-63.13	-40	-23.13	-74.57	-77.49	3.24	17.60	V
	21973	-63.66	-40	-23.66	-78.73	-79.03	3.50	18.87	V
	25636	-59.22	-40	-19.22	-77.44	-74.39	3.85	19.03	V

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



<ASDIV Antenna>

<Ant. 7>

5G NR n48

5G NR n48 / 40MHz / BPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	7105	-55.85	-40	-15.85	-53.98	-65.55	1.84	11.54	H
	10655	-47.78	-40	-7.78	-50.39	-56.25	2.23	10.71	H
	14211	-48.72	-40	-8.72	-57.46	-58.34	2.65	12.27	H
	21307	-63.22	-40	-23.22	-77.59	-78.07	3.32	18.17	H
	24870	-59.53	-40	-19.53	-77.81	-74.30	3.71	18.48	H
	28418	-56.14	-40	-16.14	-76.65	-71.60	3.99	19.45	H
	7105	-55.63	-40	-15.63	-54.01	-65.33	1.84	11.54	V
	10655	-49.32	-40	-9.32	-51.52	-57.79	2.23	10.71	V
	14211	-48.52	-40	-8.52	-57.15	-58.14	2.65	12.27	V
	21307	-63.71	-40	-23.71	-77.77	-78.56	3.32	18.17	V
	24870	-59.57	-40	-19.57	-77.53	-74.34	3.71	18.48	V
	28418	-56.07	-40	-16.07	-76.16	-71.53	3.99	19.45	V
Middle	7215	-56.92	-40	-16.92	-55.35	-66.38	1.85	11.31	H
	10820	-52.27	-40	-12.27	-55.21	-60.66	2.22	10.61	H
	14431	-48.77	-40	-8.77	-57.72	-58.28	2.63	12.14	H
	18033	-60.58	-40	-20.58	-72.01	-74.95	3.23	17.60	H
	21640	-62.01	-40	-22.01	-77.11	-77.14	3.41	18.54	H
	25248	-59.83	-40	-19.83	-78.14	-74.77	3.76	18.70	H
	7215	-56.75	-40	-16.75	-55.55	-66.21	1.85	11.31	V
	10820	-52.39	-40	-12.39	-55.07	-60.78	2.22	10.61	V
	14431	-48.54	-40	-8.54	-57.85	-58.05	2.63	12.14	V
	18033	-60.52	-40	-20.52	-71.65	-74.89	3.23	17.60	V
	21640	-62.49	-40	-22.49	-77.27	-77.62	3.41	18.54	V
	25248	-60.17	-40	-20.17	-78.19	-75.11	3.76	18.70	V



Highest	7325	-55.39	-40	-15.39	-54.09	-64.85	1.90	11.36	H
	10985	-49.41	-40	-9.41	-52.68	-57.72	2.20	10.51	H
	14651	-48.96	-40	-8.96	-58.03	-58.79	2.60	12.43	H
	18310	-63.07	-40	-23.07	-74.77	-77.43	3.24	17.60	H
	21973	-62.87	-40	-22.87	-78.31	-78.24	3.50	18.87	H
	25636	-58.93	-40	-18.93	-77.42	-74.10	3.85	19.03	H
	7325	-54.93	-40	-14.93	-53.84	-64.39	1.90	11.36	V
	10985	-50.23	-40	-10.23	-53.4	-58.54	2.20	10.51	V
	14651	-48.13	-40	-8.13	-58	-57.96	2.60	12.43	V
	18310	-63.13	-40	-23.13	-74.57	-77.49	3.24	17.60	V
	21973	-63.41	-40	-23.41	-78.48	-78.78	3.50	18.87	V
	25636	-59.22	-40	-19.22	-77.44	-74.39	3.85	19.03	V

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



MIMO <Ant. 7+5>

5G NR n48

5G NR n48 / 40MHz / BPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	7105	-57.34	-40	-17.34	-55.47	-67.04	1.84	11.54	H
	10655	-53.57	-40	-13.57	-56.18	-62.04	2.23	10.71	H
	14211	-49.26	-40	-9.26	-58	-58.88	2.65	12.27	H
	21307	-62.95	-40	-22.95	-77.32	-77.80	3.32	18.17	H
	24865	-59.21	-40	-19.21	-77.49	-73.98	3.71	18.48	H
	28418	-55.92	-40	-15.92	-76.43	-71.38	3.99	19.45	H
	7105	-56.73	-40	-16.73	-55.11	-66.43	1.84	11.54	V
	10655	-51.74	-40	-11.74	-53.94	-60.21	2.23	10.71	V
	14211	-49.30	-40	-9.30	-57.93	-58.92	2.65	12.27	V
	21307	-62.57	-40	-22.57	-76.63	-77.42	3.32	18.17	V
	24865	-59.58	-40	-19.58	-77.54	-74.35	3.71	18.48	V
	28418	-56.19	-40	-16.19	-76.29	-71.65	3.99	19.45	V
Middle	7215	-56.73	-40	-16.73	-55.16	-66.19	1.85	11.31	H
	10820	-50.29	-40	-10.29	-53.23	-58.68	2.22	10.61	H
	14431	-48.90	-40	-8.90	-57.85	-58.41	2.63	12.14	H
	18033	-60.40	-40	-20.40	-71.83	-74.77	3.23	17.60	H
	21643	-61.28	-40	-21.28	-76.38	-76.41	3.41	18.54	H
	25250	-59.25	-40	-19.25	-77.56	-74.19	3.76	18.70	H
	7215	-57.04	-40	-17.04	-55.84	-66.50	1.85	11.31	V
	10820	-48.31	-40	-8.31	-50.99	-56.70	2.22	10.61	V
	14431	-49.35	-40	-9.35	-58.66	-58.86	2.63	12.14	V
	18033	-60.17	-40	-20.17	-71.3	-74.54	3.23	17.60	V
	21643	-61.67	-40	-21.67	-76.45	-76.80	3.41	18.54	V
	25250	-59.35	-40	-19.35	-77.37	-74.29	3.76	18.70	V



Highest	7325	-56.15	-40	-16.15	-54.85	-65.61	1.90	11.36	H
	10985	-52.58	-40	-12.58	-55.85	-60.89	2.20	10.51	H
	14651	-48.65	-40	-8.65	-57.72	-58.48	2.60	12.43	H
	18310	-62.56	-40	-22.56	-74.26	-76.92	3.24	17.60	H
	21973	-62.29	-40	-22.29	-77.73	-77.66	3.50	18.87	H
	25635	-58.53	-40	-18.53	-77.02	-73.70	3.85	19.03	H
	7325	-56.09	-40	-16.09	-55	-65.55	1.90	11.36	V
	10985	-50.99	-40	-10.99	-54.16	-59.30	2.20	10.51	V
	14651	-48.49	-40	-8.49	-58.36	-58.32	2.60	12.43	V
	18310	-62.70	-40	-22.70	-74.14	-77.06	3.24	17.60	V
	21973	-62.59	-40	-22.59	-77.66	-77.96	3.50	18.87	V
	25635	-58.80	-40	-18.80	-77.02	-73.97	3.85	19.03	V

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

————THE END————