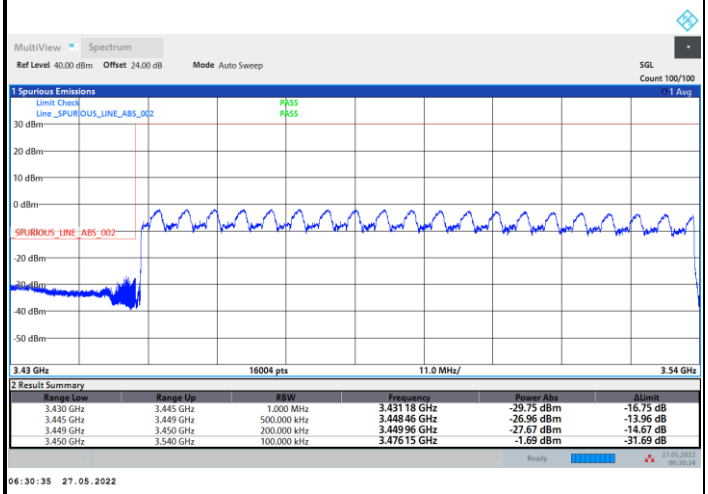
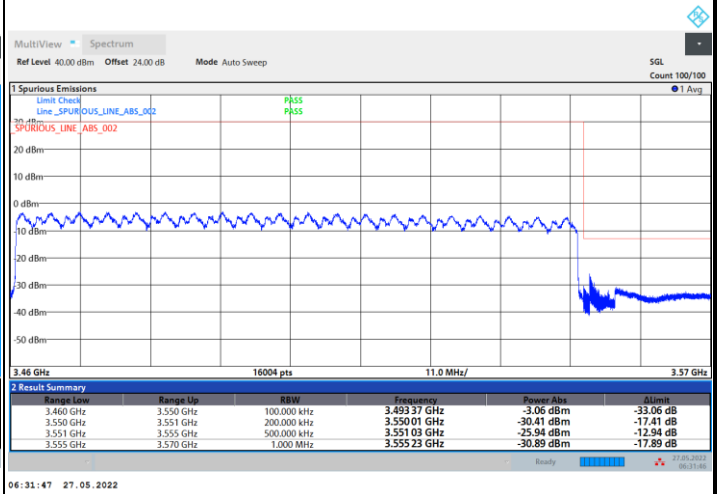
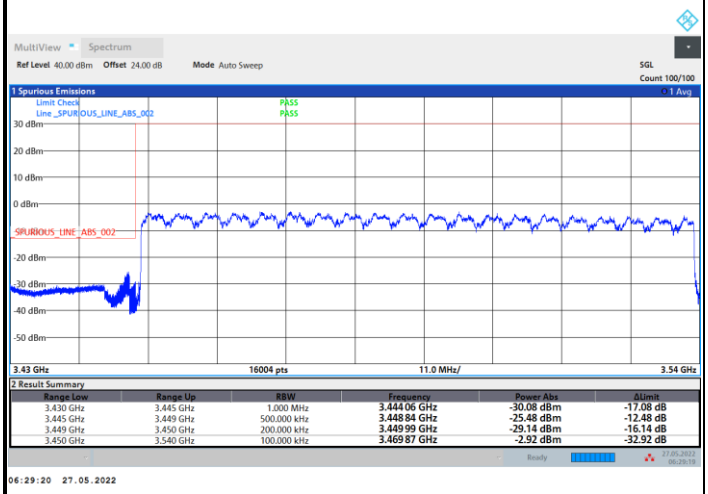
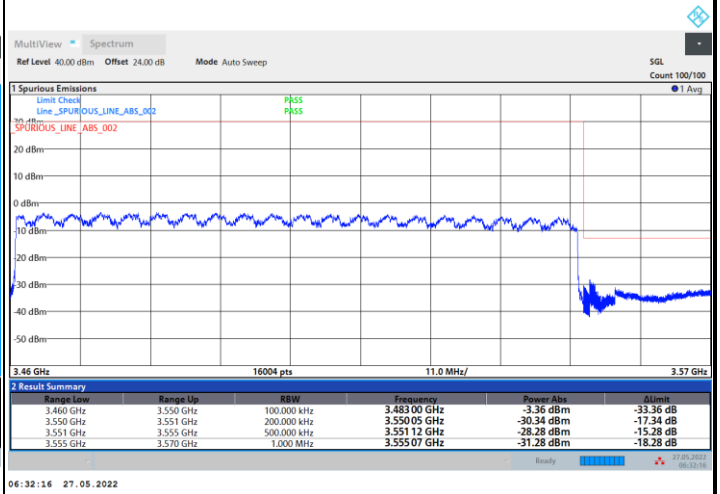
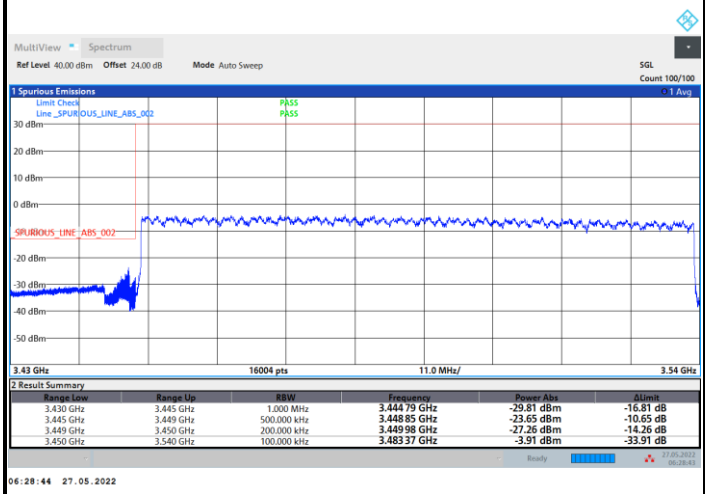
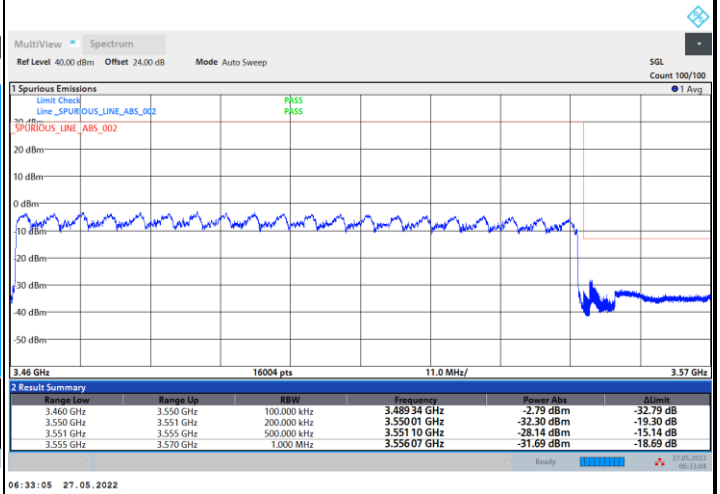
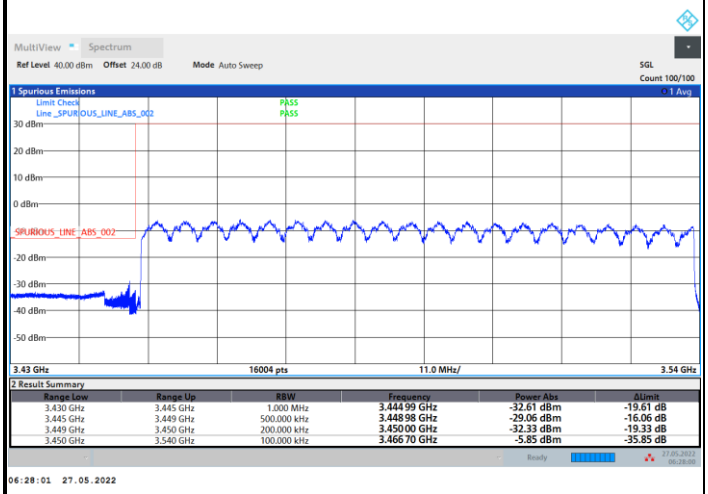
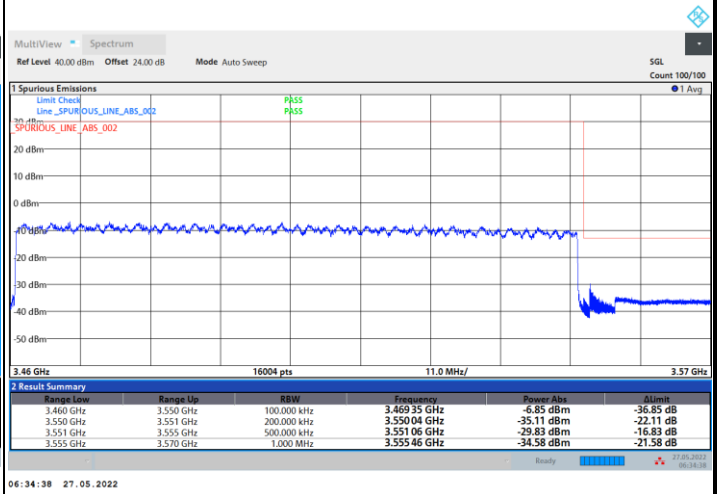
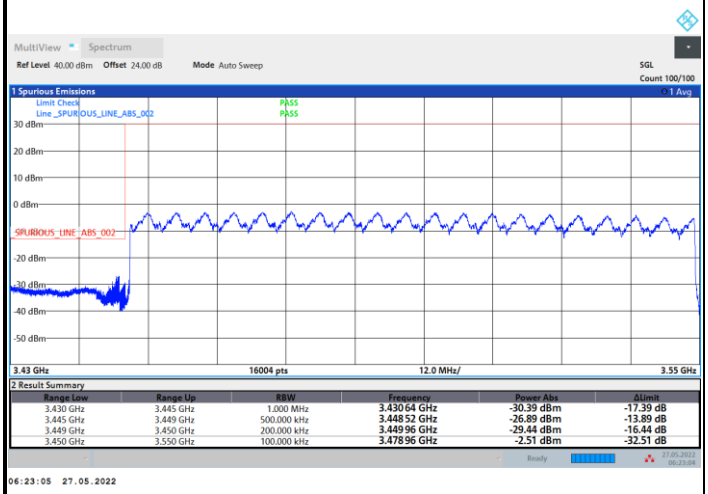
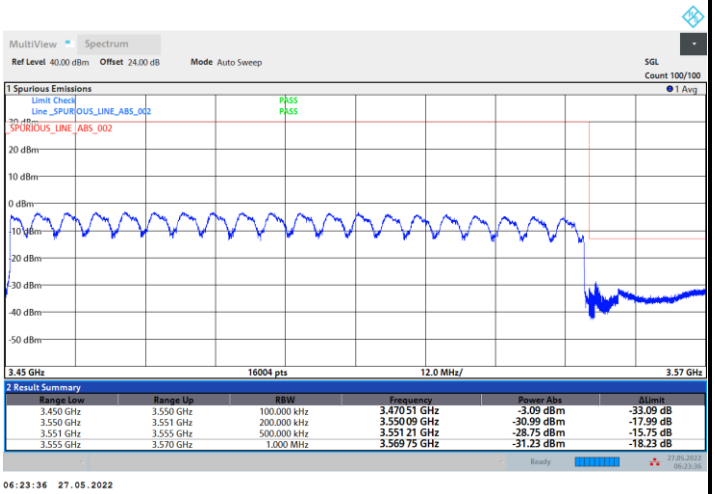
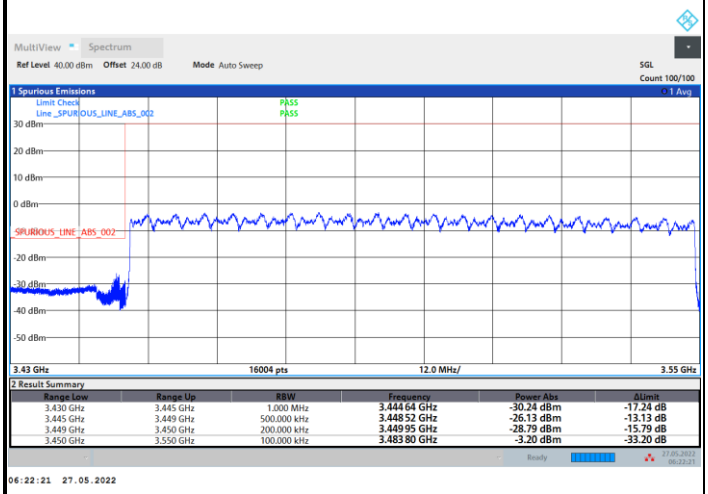
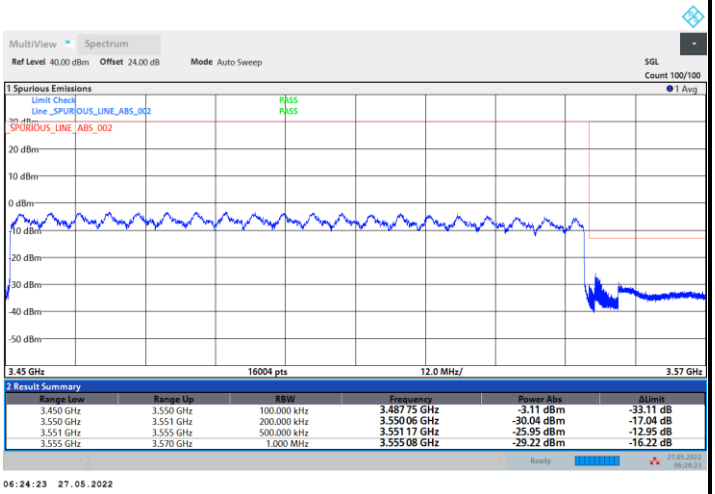
FR1 n77 / 90MHz / CP OFDM / QPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

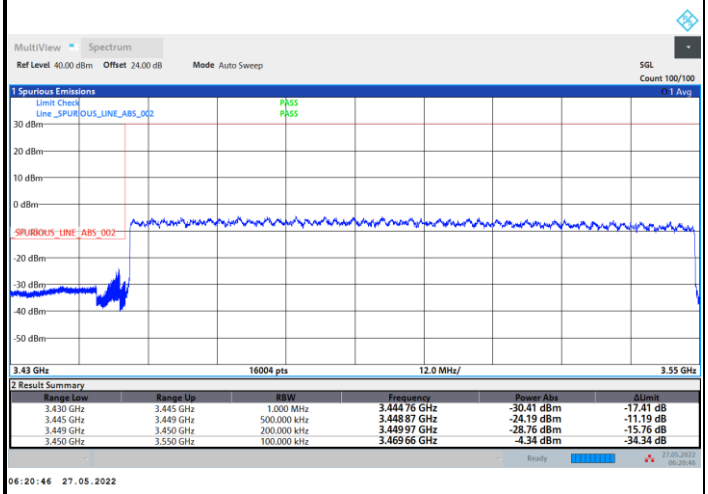
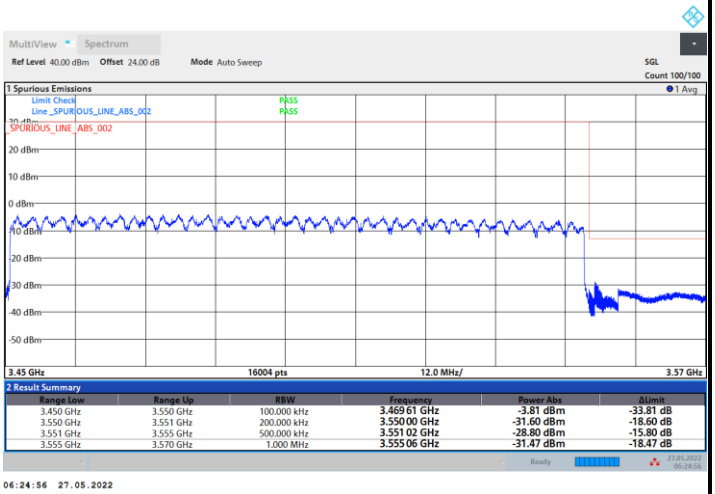
FR1 n77 / 90MHz / CP OFDM / 16QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

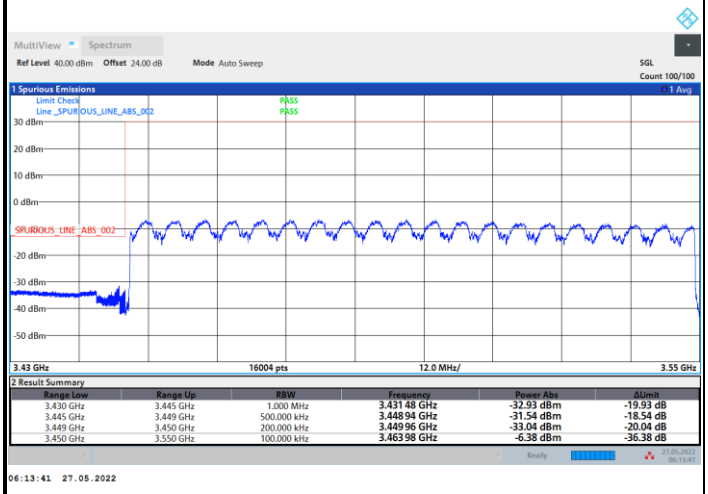
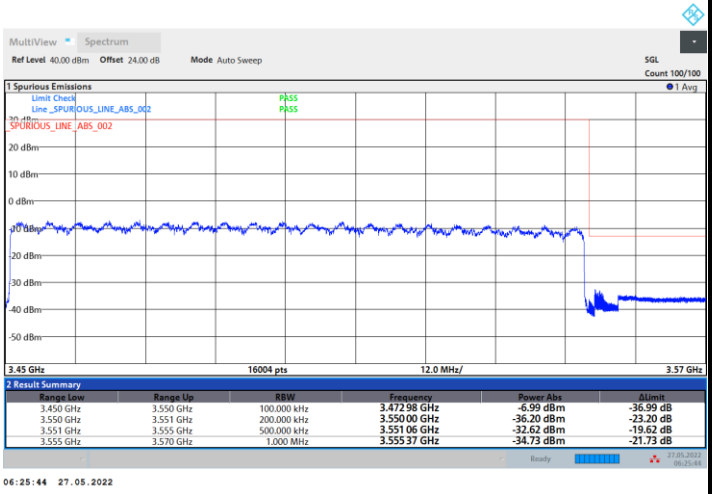
FR1 n77 / 90MHz / CP OFDM / 64QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

FR1 n77 / 90MHz / CP OFDM / 256QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

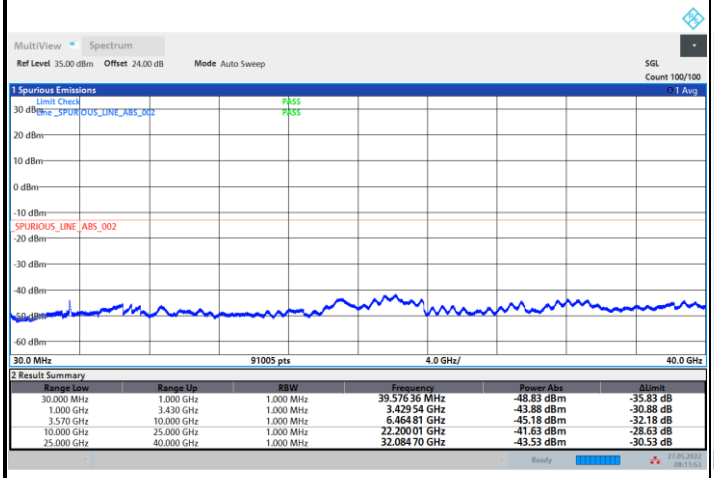
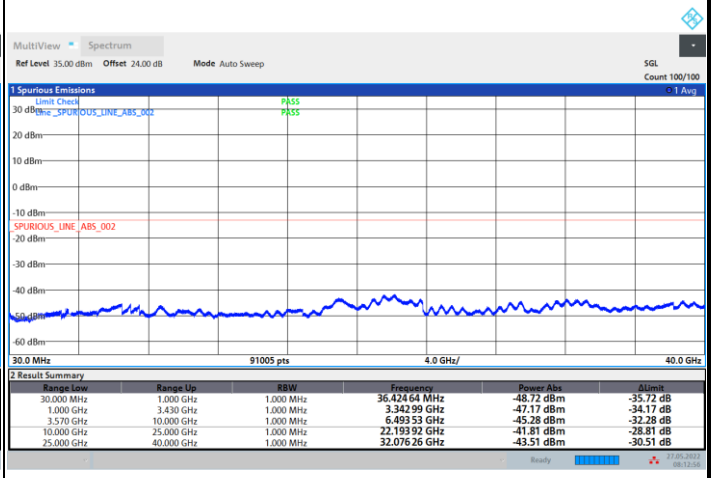
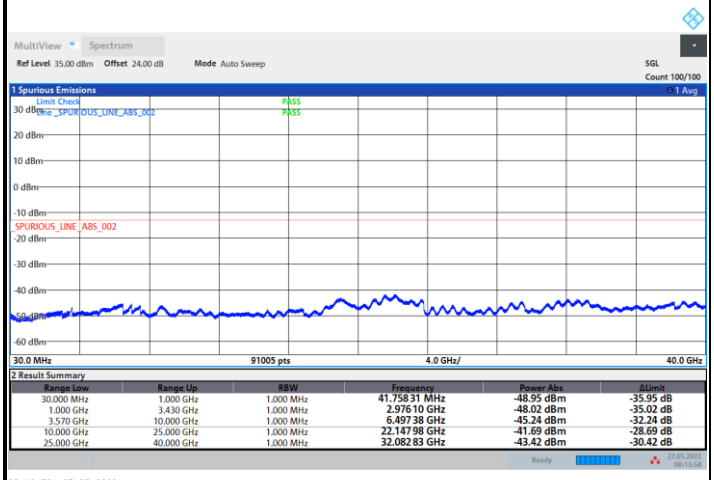
FR1 n77 / 100MHz / CP OFDM / QPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

FR1 n77 / 100MHz / CP OFDM / 16QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

FR1 n77 / 100MHz / CP OFDM / 64QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

FR1 n77 / 100MHz / CP OFDM / 256QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

Conducted Spurious Emission

FR1 n77 / 10MHz / CP OFDM / QPSK / 1RB1	
Lowest Channel	**Middle Channel**
	
Highest Channel	
	

Frequency Stability

Test Conditions		FR1 n77 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0033	PASS
40	Normal Voltage	0.0030	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0046	
0	Normal Voltage	0.0025	
-10	Normal Voltage	0.0033	
-20	Normal Voltage	0.0019	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0031	

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 n77 PC2

5G NR n77 PC2 / 20MHz / PI/2 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	6902	-42.80	-13	-29.80	-72.16	-51.00	1.84	12.19	H
	10353	-35.73	-13	-22.73	-71.21	-42.21	2.26	10.89	H
	13806	-28.85	-13	-15.85	-72.93	-36.62	2.64	12.56	H
	20708	-62.33	-13	-49.33	-75.73	-74.87	3.22	17.92	H
	24159	-58.87	-13	-45.87	-76.53	-71.43	3.78	18.50	H
	27610	-56.90	-13	-43.90	-77.43	-70.35	3.95	19.54	H
									H
	6902	-42.12	-13	-29.12	-71.98	-50.32	1.84	12.19	V
	10353	-37.19	-13	-24.19	-71.91	-43.67	2.26	10.89	V
	13806	-29.88	-13	-16.88	-72.93	-37.65	2.64	12.56	V
	20708	-62.80	-13	-49.80	-75.96	-75.34	3.22	17.92	V
	24159	-58.79	-13	-45.79	-76.09	-71.35	3.78	18.50	V
	27610	-57.11	-13	-44.11	-77.32	-70.56	3.95	19.54	V
									V

5G NR n77 PC2 / 20MHz / PI/2 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)
Middle	6982	-41.62	-13	-28.62	-71.05	-49.50	1.84	11.87	H
	10473	-35.45	-13	-22.45	-71.03	-41.86	2.25	10.82	H
	13968	-28.83	-13	-15.83	-72.18	-36.44	2.66	12.43	H
	20948	-61.90	-13	-48.90	-75.31	-74.33	3.24	17.82	H
	24439	-58.40	-13	-45.40	-76.56	-71.16	3.76	18.66	H
	27930	-56.32	-13	-43.32	-76.78	-69.88	3.97	19.67	H
									H
	6982	-41.81	-13	-28.81	-71.4	-49.69	1.84	11.87	V
	10473	-36.34	-13	-23.34	-71.32	-42.75	2.25	10.82	V
	13968	-30.02	-13	-17.02	-72.72	-37.63	2.66	12.43	V
	20948	-62.28	-13	-49.28	-75.4	-74.71	3.24	17.82	V
	24439	-58.79	-13	-45.79	-76.64	-71.55	3.76	18.66	V
	27930	-57.22	-13	-44.22	-77.29	-70.78	3.97	19.67	V
									V
Highest	7062	-42.53	-13	-29.53	-72.21	-50.18	1.84	11.65	H
	10593	-36.47	-13	-23.47	-72.29	-42.82	2.24	10.74	H
	14124	-29.67	-13	-16.67	-72.83	-37.19	2.66	12.33	H
	21188	-62.16	-13	-49.16	-76.16	-74.75	3.29	18.03	H
	24719	-59.00	-13	-46.00	-77.27	-71.69	3.73	18.57	H
	28250	-55.86	-13	-42.86	-76.34	-69.28	3.98	19.55	H
									H
	7062	-42.45	-13	-29.45	-72.31	-50.10	1.84	11.65	V
	10593	-37.26	-13	-24.26	-72.61	-43.61	2.24	10.74	V
	14124	-29.95	-13	-16.95	-72.8	-37.47	2.66	12.33	V
	21188	-62.16	-13	-49.16	-75.85	-74.75	3.29	18.03	V
	24719	-59.57	-13	-46.57	-77.53	-72.26	3.73	18.57	V
	28250	-56.89	-13	-43.89	-76.96	-70.31	3.98	19.55	V
									V

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

<ASDIV Antenna>

5G NR n77 PC2

5G NR n77 PC2 / 20MHz / PI/2 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	6902	-43.55	-13	-30.55	-72.91	-51.75	1.84	12.19	H
	10353	-36.70	-13	-23.70	-72.18	-43.18	2.26	10.89	H
	13806	-29.31	-13	-16.31	-73.39	-37.08	2.64	12.56	H
	20708	-62.63	-13	-49.63	-76.03	-75.17	3.22	17.92	H
	24160	-58.79	-13	-45.79	-76.45	-71.35	3.78	18.50	H
	27610	-56.63	-13	-43.63	-77.16	-70.08	3.95	19.54	H
									H
	6902	-42.64	-13	-29.64	-72.5	-50.84	1.84	12.19	V
	10353	-37.26	-13	-24.26	-71.95	-43.74	2.26	10.89	V
	13806	-30.50	-13	-17.50	-73.55	-38.27	2.64	12.56	V
	20708	-62.44	-13	-49.44	-75.6	-74.98	3.22	17.92	V
	24160	-59.22	-13	-46.22	-76.52	-71.78	3.78	18.50	V
	27610	-56.89	-13	-43.89	-77.1	-70.34	3.95	19.54	V
									V

5G NR n77 PC2 / 20MHz / PI/2 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)
Middle	6982	-42.35	-13	-29.35	-71.78	-50.23	1.84	11.87	H
	10473	-36.81	-13	-23.81	-72.39	-43.22	2.25	10.82	H
	13968	-29.90	-13	-16.90	-73.25	-37.51	2.66	12.43	H
	20947	-61.50	-13	-48.50	-74.91	-73.93	3.24	17.82	H
	24438	-58.96	-13	-45.96	-77.12	-71.72	3.76	18.66	H
	27934	-56.32	-13	-43.32	-76.78	-69.88	3.97	19.67	H
									H
	6982	-42.34	-13	-29.34	-71.93	-50.22	1.84	11.87	V
	10473	-37.44	-13	-24.44	-72.42	-43.85	2.25	10.82	V
	13968	-30.96	-13	-17.96	-73.66	-38.57	2.66	12.43	V
	20947	-61.51	-13	-48.51	-74.63	-73.94	3.24	17.82	V
	24438	-58.41	-13	-45.41	-76.25	-71.17	3.76	18.66	V
	27934	-56.76	-13	-43.76	-76.84	-70.32	3.97	19.67	V
									V
Highest	7062	-42.85	-13	-29.85	-72.53	-50.50	1.84	11.65	H
	10593	-37.30	-13	-24.30	-73.12	-43.65	2.24	10.74	H
	14124	-29.52	-13	-16.52	-72.68	-37.04	2.66	12.33	H
	21187	-61.28	-13	-48.28	-75.27	-73.87	3.29	18.02	H
	24718	-58.69	-13	-45.69	-76.96	-71.38	3.73	18.57	H
	28250	-56.23	-13	-43.23	-76.71	-69.65	3.98	19.55	H
									H
	7062	-42.34	-13	-29.34	-72.2	-49.99	1.84	11.65	V
	10593	-37.68	-13	-24.68	-73.03	-44.03	2.24	10.74	V
	14124	-30.63	-13	-17.63	-73.48	-38.15	2.66	12.33	V
	21187	-62.19	-13	-49.19	-75.88	-74.78	3.29	18.02	V
	24718	-59.02	-13	-46.02	-76.98	-71.71	3.73	18.57	V
	28250	-55.83	-13	-42.83	-75.9	-69.25	3.98	19.55	V
									V

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

<MIMO Antenna>

5G NR n77 MIMO PC2

5G NR n77 MIMO PC2/ 20MHz / 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	6903	-43.15	-13	-30.15	-72.51	-51.34	1.84	12.19	H
	10354	-36.72	-13	-23.72	-72.21	-43.20	2.26	10.89	H
	13805	-29.25	-13	-16.25	-73.33	-37.02	2.63	12.56	H
	20707	-63.33	-13	-50.33	-76.73	-75.87	3.22	17.92	H
	24159	-60.23	-13	-47.23	-77.89	-72.79	3.78	18.50	H
	27610	-56.57	-13	-43.57	-77.1	-70.02	3.95	19.54	H
									H
	6903	-42.31	-13	-29.31	-72.17	-50.50	1.84	12.19	V
	10354	-37.35	-13	-24.35	-72.05	-43.83	2.26	10.89	V
	13805	-29.93	-13	-16.93	-72.98	-37.70	2.63	12.56	V
	20707	-63.80	-13	-50.80	-76.96	-76.34	3.22	17.92	V
	24159	-59.66	-13	-46.66	-76.96	-72.22	3.78	18.50	V
	27610	-56.79	-13	-43.79	-77	-70.24	3.95	19.54	V
									V

5G NR n77 MIMO PC2/ 20MHz / 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)
Middle	6983	-42.47	-13	-29.47	-71.9	-50.35	1.84	11.87	H
	10474	-36.58	-13	-23.58	-72.16	-42.99	2.25	10.82	H
	13965	-30.16	-13	-17.16	-73.52	-37.77	2.66	12.43	H
	20947	-62.92	-13	-49.92	-76.33	-75.35	3.24	17.82	H
	24438	-59.32	-13	-46.32	-77.48	-72.08	3.76	18.66	H
	27930	-56.70	-13	-43.70	-77.16	-70.26	3.97	19.67	H
									H
	6983	-42.35	-13	-29.35	-71.94	-50.23	1.84	11.87	V
	10474	-37.12	-13	-24.12	-72.1	-43.53	2.25	10.82	V
	13965	-30.49	-13	-17.49	-73.19	-38.10	2.66	12.43	V
	20947	-63.02	-13	-50.02	-76.14	-75.45	3.24	17.82	V
	24438	-59.73	-13	-46.73	-77.57	-72.49	3.76	18.66	V
	27930	-56.98	-13	-43.98	-77.05	-70.54	3.97	19.67	V
									V
Highest	7063	-42.47	-13	-29.47	-72.17	-50.12	1.84	11.64	H
	10594	-36.50	-13	-23.50	-72.32	-42.85	2.24	10.74	H
	14125	-29.78	-13	-16.78	-72.94	-37.30	2.66	12.33	H
	21187	-63.62	-13	-50.62	-77.61	-76.21	3.29	18.02	H
	24718	-59.80	-13	-46.80	-78.07	-72.49	3.73	18.57	H
	28250	-56.17	-13	-43.17	-76.65	-69.59	3.98	19.55	H
									H
	7063	-42.36	-13	-29.36	-72.24	-50.01	1.84	11.64	V
	10594	-37.48	-13	-24.48	-72.83	-43.83	2.24	10.74	V
	14125	-30.37	-13	-17.37	-73.23	-37.89	2.66	12.33	V
	21187	-64.15	-13	-51.15	-77.84	-76.74	3.29	18.02	V
	24718	-60.29	-13	-47.29	-78.25	-72.98	3.73	18.57	V
	28250	-56.81	-13	-43.81	-76.88	-70.23	3.98	19.55	V
									V

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

————THE END————