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# Appendix B.22

## NR Band n14



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中国·苏州·中国 (江苏) 自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

t (86-512) 62992980 www.sgsgroup.com.cn  
t (86-512) 62992980 sgs.china@sgs.com



## Effective (Isotropic) Radiated Power Output Data for SA

### Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EfRP	Limit	Verdict
N14	15	5	DFT-QPSK	L	Inner_1RB_Left	23.23	23.29	34.77	PASS
N14	15	5	DFT-QPSK	L	Inner_1RB_Right	23	23.06	34.77	PASS
N14	15	5	DFT-QPSK	L	Outer_Full	21.96	22.02	34.77	PASS
N14	15	5	DFT-16QAM	L	Inner_1RB_Left	22.05	22.11	34.77	PASS
N14	15	5	DFT-16QAM	L	Inner_1RB_Right	22.17	22.23	34.77	PASS
N14	15	5	DFT-16QAM	L	Outer_Full	20.89	20.95	34.77	PASS
N14	15	5	DFT-64QAM	L	Inner_1RB_Left	20.01	20.07	34.77	PASS
N14	15	5	DFT-64QAM	L	Inner_1RB_Right	20.36	20.42	34.77	PASS
N14	15	5	DFT-64QAM	L	Outer_Full	19.56	19.62	34.77	PASS
N14	15	5	DFT-256QAM	L	Inner_1RB_Left	19.52	19.58	34.77	PASS
N14	15	5	DFT-256QAM	L	Inner_1RB_Right	19.54	19.6	34.77	PASS
N14	15	5	DFT-256QAM	L	Outer_Full	18.98	19.04	34.77	PASS
N14	15	5	DFT-QPSK	M	Inner_1RB_Left	22.92	22.98	34.77	PASS
N14	15	5	DFT-QPSK	M	Inner_1RB_Right	23.01	23.07	34.77	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	22.06	22.12	34.77	PASS
N14	15	5	DFT-16QAM	M	Inner_1RB_Left	21.89	21.95	34.77	PASS
N14	15	5	DFT-16QAM	M	Inner_1RB_Right	22.08	22.14	34.77	PASS
N14	15	5	DFT-16QAM	M	Outer_Full	21.01	21.07	34.77	PASS
N14	15	5	DFT-64QAM	M	Inner_1RB_Left	20.46	20.52	34.77	PASS
N14	15	5	DFT-64QAM	M	Inner_1RB_Right	20.55	20.61	34.77	PASS
N14	15	5	DFT-64QAM	M	Outer_Full	20.61	20.67	34.77	PASS
N14	15	5	DFT-256QAM	M	Inner_1RB_Left	18.77	18.83	34.77	PASS
N14	15	5	DFT-256QAM	M	Inner_1RB_Right	18.89	18.95	34.77	PASS
N14	15	5	DFT-256QAM	M	Outer_Full	18.71	18.77	34.77	PASS
N14	15	5	DFT-QPSK	H	Inner_1RB_Left	23.03	23.09	34.77	PASS



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South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000

t (86-512) 62992980 www.sgsgroup.com.cn

中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

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N14	15	5	DFT-QPSK	H	Inner_1RB_Right	23.04	23.1	34.77	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	22.03	22.09	34.77	PASS
N14	15	5	DFT-16QAM	H	Inner_1RB_Left	22.02	22.08	34.77	PASS
N14	15	5	DFT-16QAM	H	Inner_1RB_Right	22.14	22.2	34.77	PASS
N14	15	5	DFT-16QAM	H	Outer_Full	20.97	21.03	34.77	PASS
N14	15	5	DFT-64QAM	H	Inner_1RB_Left	21.32	21.38	34.77	PASS
N14	15	5	DFT-64QAM	H	Inner_1RB_Right	21.25	21.31	34.77	PASS
N14	15	5	DFT-64QAM	H	Outer_Full	20.61	20.67	34.77	PASS
N14	15	5	DFT-256QAM	H	Inner_1RB_Left	18.83	18.89	34.77	PASS
N14	15	5	DFT-256QAM	H	Inner_1RB_Right	18.9	18.96	34.77	PASS
N14	15	5	DFT-256QAM	H	Outer_Full	18.72	18.78	34.77	PASS
N14	15	10	DFT-QPSK	L	Inner_1RB_Left	22.67	22.73	34.77	PASS
N14	15	10	DFT-QPSK	L	Inner_1RB_Right	23.02	23.08	34.77	PASS
N14	15	10	DFT-QPSK	L	Outer_Full	21.83	21.89	34.77	PASS
N14	15	10	DFT-16QAM	L	Inner_1RB_Left	21.72	21.78	34.77	PASS
N14	15	10	DFT-16QAM	L	Inner_1RB_Right	22.13	22.19	34.77	PASS
N14	15	10	DFT-16QAM	L	Outer_Full	20.82	20.88	34.77	PASS
N14	15	10	DFT-64QAM	L	Inner_1RB_Left	21.32	21.38	34.77	PASS
N14	15	10	DFT-64QAM	L	Inner_1RB_Right	21.25	21.31	34.77	PASS
N14	15	10	DFT-64QAM	L	Outer_Full	20.34	20.4	34.77	PASS
N14	15	10	DFT-256QAM	L	Inner_1RB_Left	18.48	18.54	34.77	PASS
N14	15	10	DFT-256QAM	L	Inner_1RB_Right	18.83	18.89	34.77	PASS
N14	15	10	DFT-256QAM	L	Outer_Full	18.44	18.5	34.77	PASS
N14	15	10	DFT-QPSK	M	Inner_1RB_Left	22.73	22.79	34.77	PASS
N14	15	10	DFT-QPSK	M	Inner_1RB_Right	23.02	23.08	34.77	PASS
N14	15	10	DFT-QPSK	M	Outer_Full	21.79	21.85	34.77	PASS
N14	15	10	DFT-16QAM	M	Inner_1RB_Left	21.72	21.78	34.77	PASS
N14	15	10	DFT-16QAM	M	Inner_1RB_Right	22.1	22.16	34.77	PASS
N14	15	10	DFT-16QAM	M	Outer_Full	20.81	20.87	34.77	PASS
N14	15	10	DFT-64QAM	M	Inner_1RB_Left	20.26	20.32	34.77	PASS
N14	15	10	DFT-64QAM	M	Inner_1RB_Right	20.5	20.56	34.77	PASS
N14	15	10	DFT-64QAM	M	Outer_Full	20.32	20.38	34.77	PASS
N14	15	10	DFT-256QAM	M	Inner_1RB_Left	18.52	18.58	34.77	PASS



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Wireless Laboratory

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中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南面 邮编: 215000

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N14	15	10	DFT-256QAM	M	Inner_1RB_Right	18.84	18.9	34.77	PASS
N14	15	10	DFT-256QAM	M	Outer_Full	18.43	18.49	34.77	PASS
N14	15	10	DFT-QPSK	H	Inner_1RB_Left	22.72	22.78	34.77	PASS
N14	15	10	DFT-QPSK	H	Inner_1RB_Right	22.94	23	34.77	PASS
N14	15	10	DFT-QPSK	H	Outer_Full	21.8	21.86	34.77	PASS
N14	15	10	DFT-16QAM	H	Inner_1RB_Left	21.72	21.78	34.77	PASS
N14	15	10	DFT-16QAM	H	Inner_1RB_Right	22.13	22.19	34.77	PASS
N14	15	10	DFT-16QAM	H	Outer_Full	20.82	20.88	34.77	PASS
N14	15	10	DFT-64QAM	H	Inner_1RB_Left	20.27	20.33	34.77	PASS
N14	15	10	DFT-64QAM	H	Inner_1RB_Right	20.56	20.62	34.77	PASS
N14	15	10	DFT-64QAM	H	Outer_Full	20.33	20.39	34.77	PASS
N14	15	10	DFT-256QAM	H	Inner_1RB_Left	18.55	18.61	34.77	PASS
N14	15	10	DFT-256QAM	H	Inner_1RB_Right	18.89	18.95	34.77	PASS
N14	15	10	DFT-256QAM	H	Outer_Full	18.44	18.5	34.77	PASS
N14	30	10	DFT-QPSK	L	Inner_1RB_Left	22.44	22.5	34.77	PASS
N14	30	10	DFT-QPSK	L	Inner_1RB_Right	22.79	22.85	34.77	PASS
N14	30	10	DFT-QPSK	L	Outer_Full	21.61	21.67	34.77	PASS
N14	30	10	DFT-16QAM	L	Inner_1RB_Left	21.5	21.56	34.77	PASS
N14	30	10	DFT-16QAM	L	Inner_1RB_Right	21.91	21.97	34.77	PASS
N14	30	10	DFT-16QAM	L	Outer_Full	20.61	20.67	34.77	PASS
N14	30	10	DFT-64QAM	L	Inner_1RB_Left	21.11	21.17	34.77	PASS
N14	30	10	DFT-64QAM	L	Inner_1RB_Right	21.04	21.1	34.77	PASS
N14	30	10	DFT-64QAM	L	Outer_Full	20.14	20.2	34.77	PASS
N14	30	10	DFT-256QAM	L	Inner_1RB_Left	18.3	18.36	34.77	PASS
N14	30	10	DFT-256QAM	L	Inner_1RB_Right	18.64	18.7	34.77	PASS
N14	30	10	DFT-256QAM	L	Outer_Full	18.26	18.32	34.77	PASS
N14	30	10	DFT-QPSK	M	Inner_1RB_Left	22.5	22.56	34.77	PASS
N14	30	10	DFT-QPSK	M	Inner_1RB_Right	22.79	22.85	34.77	PASS
N14	30	10	DFT-QPSK	M	Outer_Full	21.57	21.63	34.77	PASS
N14	30	10	DFT-16QAM	M	Inner_1RB_Left	21.5	21.56	34.77	PASS
N14	30	10	DFT-16QAM	M	Inner_1RB_Right	21.88	21.94	34.77	PASS
N14	30	10	DFT-16QAM	M	Outer_Full	20.6	20.66	34.77	PASS
N14	30	10	DFT-64QAM	M	Inner_1RB_Left	20.06	20.12	34.77	PASS



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N14	30	10	DFT-64QAM	M	Inner_1RB_Right	20.3	20.36	34.77	PASS
N14	30	10	DFT-64QAM	M	Outer_Full	20.12	20.18	34.77	PASS
N14	30	10	DFT-256QAM	M	Inner_1RB_Left	18.33	18.39	34.77	PASS
N14	30	10	DFT-256QAM	M	Inner_1RB_Right	18.65	18.71	34.77	PASS
N14	30	10	DFT-256QAM	M	Outer_Full	18.25	18.31	34.77	PASS
N14	30	10	DFT-QPSK	H	Inner_1RB_Left	22.49	22.55	34.77	PASS
N14	30	10	DFT-QPSK	H	Inner_1RB_Right	22.71	22.77	34.77	PASS
N14	30	10	DFT-QPSK	H	Outer_Full	21.58	21.64	34.77	PASS
N14	30	10	DFT-16QAM	H	Inner_1RB_Left	21.5	21.56	34.77	PASS
N14	30	10	DFT-16QAM	H	Inner_1RB_Right	21.91	21.97	34.77	PASS
N14	30	10	DFT-16QAM	H	Outer_Full	20.61	20.67	34.77	PASS
N14	30	10	DFT-64QAM	H	Inner_1RB_Left	20.07	20.13	34.77	PASS
N14	30	10	DFT-64QAM	H	Inner_1RB_Right	20.35	20.41	34.77	PASS
N14	30	10	DFT-64QAM	H	Outer_Full	20.13	20.19	34.77	PASS
N14	30	10	DFT-256QAM	H	Inner_1RB_Left	18.36	18.42	34.77	PASS
N14	30	10	DFT-256QAM	H	Inner_1RB_Right	18.7	18.76	34.77	PASS
N14	30	10	DFT-256QAM	H	Outer_Full	18.26	18.32	34.77	PASS



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 t (86-512) 62992980 sgs.china@sgs.com

## Field Strength of Spurious Radiation

Test Band = SA Band14\_10M\_TM1

Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1577.1429	67.24	-48.29	25.38	-50.93	-40.00	10.93	254	282	Horizontal
2	2365.7700	52.55	-47.47	27.42	-62.75	-13.00	49.75	196	1	Horizontal
3	3154.3600	50.81	-46.50	29.61	-61.34	-13.00	48.34	185	282	Horizontal
4	3942.9500	49.56	-46.22	30.67	-61.25	-13.00	48.25	174	121	Horizontal
5	4731.5400	49.66	-45.75	32.11	-59.24	-13.00	46.24	122	9	Horizontal
6	5520.1300	48.74	-45.17	32.93	-58.75	-13.00	45.75	163	4	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1576.5714	65.15	-48.29	25.38	-53.02	-40.00	13.02	255	359	Vertical
2	2365.7700	50.74	-47.47	27.42	-64.56	-13.00	51.56	184	222	Vertical
3	3154.3600	50.21	-46.50	29.61	-61.94	-13.00	48.94	196	44	Vertical
4	3942.9500	50.07	-46.22	30.67	-60.74	-13.00	47.74	182	350	Vertical
5	4731.5400	48.30	-45.75	32.11	-60.60	-13.00	47.60	133	316	Vertical
6	5520.1300	47.77	-45.17	32.93	-59.72	-13.00	46.72	253	4	Vertical



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**Test Band = SA Band14\_5M\_TM1**  
**Test Channel = Low**

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1580.5714	61.56	-48.29	25.38	-56.61	-40.00	16.61	215	4	Horizontal
2	2365.0200	51.91	-47.47	27.42	-63.39	-13.00	50.39	142	304	Horizontal
3	3153.3600	50.74	-46.50	29.60	-61.42	-13.00	48.42	188	185	Horizontal
4	3941.7000	49.64	-46.22	30.66	-61.17	-13.00	48.17	196	277	Horizontal
5	4730.0400	48.22	-45.75	32.11	-60.68	-13.00	47.68	111	79	Horizontal
6	5518.3800	48.22	-45.16	32.93	-59.27	-13.00	46.27	175	145	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1576.6800	51.31	-48.29	25.38	-66.86	-40.00	26.86	245	196	Vertical
2	2365.0200	50.77	-47.47	27.42	-64.53	-13.00	51.53	186	335	Vertical
3	3153.3600	50.32	-46.50	29.60	-61.84	-13.00	48.84	132	208	Vertical
4	3941.7000	49.84	-46.22	30.66	-60.97	-13.00	47.97	156	0	Vertical
5	4730.0400	49.85	-45.75	32.11	-59.05	-13.00	46.05	129	255	Vertical
6	5518.3800	47.66	-45.16	32.93	-59.83	-13.00	46.83	144	348	Vertical



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Test Band = SA Band14\_5M\_TM1

Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1581.6800	51.44	-48.29	25.37	-66.73	-40.00	26.73	245	43	Horizontal
2	2372.5200	51.25	-47.46	27.43	-64.05	-13.00	51.05	133	360	Horizontal
3	3163.3600	50.78	-46.46	29.62	-61.32	-13.00	48.32	265	275	Horizontal
4	3954.2000	49.22	-46.21	30.69	-61.56	-13.00	48.56	185	148	Horizontal
5	4745.0400	49.23	-45.73	32.15	-59.61	-13.00	46.61	145	96	Horizontal
6	5535.8800	49.16	-45.19	32.95	-58.34	-13.00	45.34	192	349	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1581.6800	52.30	-48.29	25.37	-65.87	-40.00	25.87	248	53	Vertical
2	2372.5200	50.71	-47.46	27.43	-64.59	-13.00	51.59	175	83	Vertical
3	3163.3600	50.64	-46.46	29.62	-61.46	-13.00	48.46	145	238	Vertical
4	3954.2000	50.72	-46.21	30.69	-60.06	-13.00	47.06	192	332	Vertical
5	4745.0400	48.79	-45.73	32.15	-60.05	-13.00	47.05	100	317	Vertical
6	5535.8800	47.49	-45.19	32.95	-60.01	-13.00	47.01	256	104	Vertical



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t (86-512) 62992980 www.sgs.com.cn  
 t (86-512) 62992980 sgs.china@sgs.com



Test Band = SA Band14\_5M\_TM1

Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1586.6800	51.55	-48.29	25.37	-66.63	-40.00	26.63	284	360	Horizontal
2	2380.0200	52.40	-47.46	27.43	-62.89	-13.00	49.89	145	3	Horizontal
3	3173.3600	49.66	-46.41	29.64	-62.37	-13.00	49.37	122	263	Horizontal
4	3966.7000	50.53	-46.21	30.72	-60.22	-13.00	47.22	189	316	Horizontal
5	4760.0400	48.43	-45.70	32.20	-60.33	-13.00	47.33	192	3	Horizontal
6	5553.3800	47.89	-45.21	32.97	-59.61	-13.00	46.61	175	148	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1586.6800	52.16	-48.29	25.37	-66.02	-40.00	26.02	211	350	Vertical
2	2380.0200	51.45	-47.46	27.43	-63.84	-13.00	50.84	142	170	Vertical
3	3173.3600	50.06	-46.41	29.64	-61.97	-13.00	48.97	153	29	Vertical
4	3966.7000	49.24	-46.21	30.72	-61.51	-13.00	48.51	163	170	Vertical
5	4760.0400	49.06	-45.70	32.20	-59.70	-13.00	46.70	259	1	Vertical
6	5553.3800	48.37	-45.21	32.97	-59.13	-13.00	46.13	190	110	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

---End of Attachment---



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