

Report No.: SEWM2209000178RG02

Rev.: 01

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# Appendix B.24

## NR Band n30



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

### Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP	LIMIT	Verdict
N30	15	5	DFT-QPSK	L	Inner_1RB_Left	20.89	23.7	23.98	PASS
N30	15	5	DFT-QPSK	L	Inner_1RB_Right	20.8	23.61	23.98	PASS
N30	15	5	DFT-QPSK	L	Outer_Full	19.8	22.61	23.98	PASS
N30	15	5	DFT-16QAM	L	Inner_1RB_Left	19.82	22.63	23.98	PASS
N30	15	5	DFT-16QAM	L	Inner_1RB_Right	19.96	22.77	23.98	PASS
N30	15	5	DFT-16QAM	L	Outer_Full	18.89	21.7	23.98	PASS
N30	15	5	DFT-64QAM	L	Inner_1RB_Left	18.23	21.04	23.98	PASS
N30	15	5	DFT-64QAM	L	Inner_1RB_Right	18.19	21	23.98	PASS
N30	15	5	DFT-64QAM	L	Outer_Full	18.01	20.82	23.98	PASS
N30	15	5	DFT-256QAM	L	Inner_1RB_Left	16.45	19.26	23.98	PASS
N30	15	5	DFT-256QAM	L	Inner_1RB_Right	16.42	19.23	23.98	PASS
N30	15	5	DFT-256QAM	L	Outer_Full	16.33	19.14	23.98	PASS
N30	15	5	DFT-QPSK	M	Inner_1RB_Left	20.86	23.67	23.98	PASS
N30	15	5	DFT-QPSK	M	Inner_1RB_Right	20.72	23.53	23.98	PASS
N30	15	5	DFT-QPSK	M	Outer_Full	19.82	22.63	23.98	PASS
N30	15	5	DFT-16QAM	M	Inner_1RB_Left	19.92	22.73	23.98	PASS
N30	15	5	DFT-16QAM	M	Inner_1RB_Right	19.85	22.66	23.98	PASS
N30	15	5	DFT-16QAM	M	Outer_Full	18.87	21.68	23.98	PASS
N30	15	5	DFT-64QAM	M	Inner_1RB_Left	18.25	21.06	23.98	PASS
N30	15	5	DFT-64QAM	M	Inner_1RB_Right	18.15	20.96	23.98	PASS
N30	15	5	DFT-64QAM	M	Outer_Full	18.34	21.15	23.98	PASS
N30	15	5	DFT-256QAM	M	Inner_1RB_Left	16.37	19.18	23.98	PASS
N30	15	5	DFT-256QAM	M	Inner_1RB_Right	16.28	19.09	23.98	PASS
N30	15	5	DFT-256QAM	M	Outer_Full	16.46	19.27	23.98	PASS
N30	15	5	DFT-QPSK	H	Inner_1RB_Left	20.78	23.59	23.98	PASS
N30	15	5	DFT-QPSK	H	Inner_1RB_Right	20.58	23.39	23.98	PASS
N30	15	5	DFT-QPSK	H	Outer_Full	19.8	22.61	23.98	PASS



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N30	15	5	DFT-16QAM	H	Inner_1RB_Left	19.91	22.72	23.98	PASS
N30	15	5	DFT-16QAM	H	Inner_1RB_Right	19.76	22.57	23.98	PASS
N30	15	5	DFT-16QAM	H	Outer_Full	18.77	21.58	23.98	PASS
N30	15	5	DFT-64QAM	H	Inner_1RB_Left	18.19	21	23.98	PASS
N30	15	5	DFT-64QAM	H	Inner_1RB_Right	18.08	20.89	23.98	PASS
N30	15	5	DFT-64QAM	H	Outer_Full	18.31	21.12	23.98	PASS
N30	15	5	DFT-256QAM	H	Inner_1RB_Left	16.37	19.18	23.98	PASS
N30	15	5	DFT-256QAM	H	Inner_1RB_Right	16.28	19.09	23.98	PASS
N30	15	5	DFT-256QAM	H	Outer_Full	16.42	19.23	23.98	PASS
N30	15	10	DFT-QPSK	L	Inner_1RB_Left	20.72	23.53	23.98	PASS
N30	15	10	DFT-QPSK	L	Inner_1RB_Right	20.53	23.34	23.98	PASS
N30	15	10	DFT-QPSK	L	Outer_Full	19.74	22.55	23.98	PASS
N30	15	10	DFT-16QAM	L	Inner_1RB_Left	19.79	22.6	23.98	PASS
N30	15	10	DFT-16QAM	L	Inner_1RB_Right	19.72	22.53	23.98	PASS
N30	15	10	DFT-16QAM	L	Outer_Full	18.76	21.57	23.98	PASS
N30	15	10	DFT-64QAM	L	Inner_1RB_Left	18.19	21	23.98	PASS
N30	15	10	DFT-64QAM	L	Inner_1RB_Right	18.02	20.83	23.98	PASS
N30	15	10	DFT-64QAM	L	Outer_Full	18.22	21.03	23.98	PASS
N30	15	10	DFT-256QAM	L	Inner_1RB_Left	16.26	19.07	23.98	PASS
N30	15	10	DFT-256QAM	L	Inner_1RB_Right	16.14	18.95	23.98	PASS
N30	15	10	DFT-256QAM	L	Outer_Full	16.33	19.14	23.98	PASS
N30	15	10	DFT-QPSK	M	Inner_1RB_Left	20.82	23.63	23.98	PASS
N30	15	10	DFT-QPSK	M	Inner_1RB_Right	20.53	23.34	23.98	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	19.74	22.55	23.98	PASS
N30	15	10	DFT-16QAM	M	Inner_1RB_Left	19.79	22.6	23.98	PASS
N30	15	10	DFT-16QAM	M	Inner_1RB_Right	19.73	22.54	23.98	PASS
N30	15	10	DFT-16QAM	M	Outer_Full	18.72	21.53	23.98	PASS
N30	15	10	DFT-64QAM	M	Inner_1RB_Left	18.17	20.98	23.98	PASS
N30	15	10	DFT-64QAM	M	Inner_1RB_Right	17.97	20.78	23.98	PASS
N30	15	10	DFT-64QAM	M	Outer_Full	17.23	20.04	23.98	PASS
N30	15	10	DFT-256QAM	M	Inner_1RB_Left	16.33	19.14	23.98	PASS
N30	15	10	DFT-256QAM	M	Inner_1RB_Right	16.21	19.02	23.98	PASS
N30	15	10	DFT-256QAM	M	Outer_Full	16.35	19.16	23.98	PASS
N30	15	10	DFT-QPSK	H	Inner_1RB_Left	20.83	23.64	23.98	PASS



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N30	15	10	DFT-QPSK	H	Inner_1RB_Right	20.59	23.4	23.98	PASS
N30	15	10	DFT-QPSK	H	Outer_Full	19.71	22.52	23.98	PASS
N30	15	10	DFT-16QAM	H	Inner_1RB_Left	19.8	22.61	23.98	PASS
N30	15	10	DFT-16QAM	H	Inner_1RB_Right	19.73	22.54	23.98	PASS
N30	15	10	DFT-16QAM	H	Outer_Full	18.72	21.53	23.98	PASS
N30	15	10	DFT-64QAM	H	Inner_1RB_Left	18.14	20.95	23.98	PASS
N30	15	10	DFT-64QAM	H	Inner_1RB_Right	18.02	20.83	23.98	PASS
N30	15	10	DFT-64QAM	H	Outer_Full	17.83	20.64	23.98	PASS
N30	15	10	DFT-256QAM	H	Inner_1RB_Left	16.29	19.1	23.98	PASS
N30	15	10	DFT-256QAM	H	Inner_1RB_Right	16.15	18.96	23.98	PASS
N30	15	10	DFT-256QAM	H	Outer_Full	16.34	19.15	23.98	PASS
N30	30	10	DFT-QPSK	L	Inner_1RB_Left	20.93	23.74	23.98	PASS
N30	30	10	DFT-QPSK	L	Inner_1RB_Right	20.74	23.55	23.98	PASS
N30	30	10	DFT-QPSK	L	Outer_Full	19.94	22.75	23.98	PASS
N30	30	10	DFT-16QAM	L	Inner_1RB_Left	19.99	22.8	23.98	PASS
N30	30	10	DFT-16QAM	L	Inner_1RB_Right	19.92	22.73	23.98	PASS
N30	30	10	DFT-16QAM	L	Outer_Full	18.91	21.72	23.98	PASS
N30	30	10	DFT-64QAM	L	Inner_1RB_Left	18.38	21.19	23.98	PASS
N30	30	10	DFT-64QAM	L	Inner_1RB_Right	18.21	21.02	23.98	PASS
N30	30	10	DFT-64QAM	L	Outer_Full	17.41	20.22	23.98	PASS
N30	30	10	DFT-256QAM	L	Inner_1RB_Left	16.43	19.24	23.98	PASS
N30	30	10	DFT-256QAM	L	Inner_1RB_Right	16.31	19.12	23.98	PASS
N30	30	10	DFT-256QAM	L	Outer_Full	16.22	19.03	23.98	PASS
N30	30	10	DFT-QPSK	M	Inner_1RB_Left	21.03	23.84	23.98	PASS
N30	30	10	DFT-QPSK	M	Inner_1RB_Right	20.74	23.55	23.98	PASS
N30	30	10	DFT-QPSK	M	Outer_Full	19.94	22.75	23.98	PASS
N30	30	10	DFT-16QAM	M	Inner_1RB_Left	19.99	22.8	23.98	PASS
N30	30	10	DFT-16QAM	M	Inner_1RB_Right	19.93	22.74	23.98	PASS
N30	30	10	DFT-16QAM	M	Outer_Full	18.91	21.72	23.98	PASS
N30	30	10	DFT-64QAM	M	Inner_1RB_Left	18.36	21.17	23.98	PASS
N30	30	10	DFT-64QAM	M	Inner_1RB_Right	18.15	20.96	23.98	PASS
N30	30	10	DFT-64QAM	M	Outer_Full	18.42	21.23	23.98	PASS
N30	30	10	DFT-256QAM	M	Inner_1RB_Left	16.5	19.31	23.98	PASS
N30	30	10	DFT-256QAM	M	Inner_1RB_Right	16.38	19.19	23.98	PASS



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N30	30	10	DFT-256QAM	M	Outer_Full	16.33	19.14	23.98	PASS
N30	30	10	DFT-QPSK	H	Inner_1RB_Left	21.04	23.85	23.98	PASS
N30	30	10	DFT-QPSK	H	Inner_1RB_Right	20.8	23.61	23.98	PASS
N30	30	10	DFT-QPSK	H	Outer_Full	19.91	22.72	23.98	PASS
N30	30	10	DFT-16QAM	H	Inner_1RB_Left	20	22.81	23.98	PASS
N30	30	10	DFT-16QAM	H	Inner_1RB_Right	19.93	22.74	23.98	PASS
N30	30	10	DFT-16QAM	H	Outer_Full	18.91	21.72	23.98	PASS
N30	30	10	DFT-64QAM	H	Inner_1RB_Left	18.33	21.14	23.98	PASS
N30	30	10	DFT-64QAM	H	Inner_1RB_Right	18.21	21.02	23.98	PASS
N30	30	10	DFT-64QAM	H	Outer_Full	17	19.81	23.98	PASS
N30	30	10	DFT-256QAM	H	Inner_1RB_Left	16.46	19.27	23.98	PASS
N30	30	10	DFT-256QAM	H	Inner_1RB_Right	16.32	19.13	23.98	PASS
N30	30	10	DFT-256QAM	H	Outer_Full	16.24	19.05	23.98	PASS



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## Field Strength of Spurious Radiation

Test Band = SA Band30\_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	4420.3800	41.52	-45.80	31.53	-68.01	-40.00	28.01	215	3	Horizontal
2	6630.5700	40.52	-44.18	35.50	-63.42	-40.00	23.42	133	74	Horizontal
3	8840.7600	32.97	-41.25	38.10	-65.43	-40.00	25.43	256	240	Horizontal
4	11050.9500	28.41	-37.91	39.08	-65.68	-40.00	25.68	136	210	Horizontal
5	13261.1400	29.98	-37.00	39.99	-62.29	-40.00	22.29	254	343	Horizontal
6	15471.3300	32.31	-34.84	38.61	-59.18	-40.00	19.18	199	316	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	4420.3800	41.32	-45.80	31.53	-68.21	-40.00	28.21	258	360	Vertical
2	6630.5700	40.17	-44.18	35.50	-63.77	-40.00	23.77	149	256	Vertical
3	8840.7600	32.84	-41.25	38.10	-65.56	-40.00	25.56	153	61	Vertical
4	11050.9500	28.22	-37.91	39.08	-65.87	-40.00	25.87	126	273	Vertical
5	13261.1400	30.08	-37.00	39.99	-62.19	-40.00	22.19	236	273	Vertical
6	15471.3300	31.77	-34.84	38.61	-59.72	-40.00	19.72	251	30	Vertical



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**Test Band = SA Band30\_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	4606.1800	41.19	-45.67	31.73	-68.01	-40.00	28.01	248	285	Horizontal
2	6909.2700	38.69	-44.05	35.97	-64.64	-40.00	24.64	156	352	Horizontal
3	9212.3600	30.73	-40.25	38.35	-66.43	-40.00	26.43	163	14	Horizontal
4	11515.4500	28.54	-37.25	38.98	-64.98	-40.00	24.98	214	135	Horizontal
5	13818.5400	30.78	-36.22	39.98	-60.73	-40.00	20.73	177	316	Horizontal
6	16121.6300	32.59	-34.56	37.71	-59.52	-40.00	19.52	145	196	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	4606.1800	40.77	-45.67	31.73	-68.43	-40.00	28.43	223	274	Vertical
2	6909.2700	39.22	-44.05	35.97	-64.11	-40.00	24.11	215	257	Vertical
3	9212.3600	30.39	-40.25	38.35	-66.77	-40.00	26.77	145	288	Vertical
4	11515.4500	28.18	-37.25	38.98	-65.34	-40.00	25.34	163	76	Vertical
5	13818.5400	30.65	-36.22	39.98	-60.86	-40.00	20.86	258	318	Vertical
6	16121.6300	33.21	-34.56	37.71	-58.90	-40.00	18.90	190	346	Vertical



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**Test Band = SA Band30\_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	4429.7400	41.08	-45.79	31.54	-68.43	-40.00	28.43	145	28	Horizontal
2	6644.6100	40.44	-44.11	35.53	-63.40	-40.00	23.40	185	3	Horizontal
3	8859.4800	32.59	-41.24	38.12	-65.80	-40.00	25.80	126	73	Horizontal
4	11074.3500	28.30	-37.94	39.08	-65.81	-40.00	25.81	259	134	Horizontal
5	13289.2200	29.79	-36.91	40.02	-62.36	-40.00	22.36	148	90	Horizontal
6	15504.0900	31.69	-35.35	38.57	-60.35	-40.00	20.35	211	44	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	4429.7400	41.00	-45.79	31.54	-68.51	-40.00	28.51	178	4	Vertical
2	6644.6100	39.03	-44.11	35.53	-64.81	-40.00	24.81	145	164	Vertical
3	8859.4800	32.06	-41.24	38.12	-66.33	-40.00	26.33	198	316	Vertical
4	11074.3500	28.00	-37.94	39.08	-66.11	-40.00	26.11	142	196	Vertical
5	13289.2200	29.92	-36.91	40.02	-62.23	-40.00	22.23	153	103	Vertical
6	15504.0900	32.07	-35.35	38.57	-59.97	-40.00	19.97	211	135	Vertical



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Test Band = SA Band30\_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	4614.0200	40.97	-45.66	31.75	-68.19	-40.00	28.19	274	360	Horizontal
2	6921.0300	39.02	-43.98	35.99	-64.23	-40.00	24.23	185	317	Horizontal
3	9228.0400	30.24	-40.24	38.36	-66.90	-40.00	26.90	146	4	Horizontal
4	11535.0500	27.78	-37.16	38.96	-65.68	-40.00	25.68	192	105	Horizontal
5	13842.0600	30.63	-35.99	40.00	-60.63	-40.00	20.63	133	331	Horizontal
6	16148.0700	33.22	-34.59	37.68	-58.95	-40.00	18.95	230	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	4614.0200	40.66	-45.66	31.75	-68.50	-40.00	28.50	126	358	Vertical
2	6921.0300	39.13	-43.98	35.99	-64.12	-40.00	24.12	145	16	Vertical
3	9228.0400	29.83	-40.24	38.36	-67.31	-40.00	27.31	199	134	Vertical
4	11535.0500	28.99	-37.16	38.96	-64.47	-40.00	24.47	142	74	Vertical
5	13842.0600	30.73	-35.99	40.00	-60.53	-40.00	20.53	175	210	Vertical
6	16148.0700	33.23	-34.59	37.68	-58.94	-40.00	18.94	188	121	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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