



Report No.: SEWM2211000265RG02

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 (dBm)	LIMIT	Verdict
N30	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	21.62	21.84	23.98	PASS
N30	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	21.62	21.84	23.98	PASS
N30	15	5	DFT-PI2BPSK	L	Outer_Full	20.52	20.74	23.98	PASS
N30	15	5	DFT-QPSK	L	Inner_1RB_Left	20.33	20.55	23.98	PASS
N30	15	5	DFT-QPSK	L	Inner_1RB_Right	21.63	21.85	23.98	PASS
N30	15	5	DFT-QPSK	L	Outer_Full	20.33	20.55	23.98	PASS
N30	15	5	DFT-16QAM	L	Inner_1RB_Left	20.56	20.78	23.98	PASS
N30	15	5	DFT-16QAM	L	Inner_1RB_Right	20.77	20.99	23.98	PASS
N30	15	5	DFT-16QAM	L	Outer_Full	19.73	19.95	23.98	PASS
N30	15	5	DFT-64QAM	L	Inner_1RB_Left	19.85	20.07	23.98	PASS
N30	15	5	DFT-64QAM	L	Inner_1RB_Right	19.52	19.74	23.98	PASS
N30	15	5	DFT-64QAM	L	Outer_Full	19.3	19.52	23.98	PASS
N30	15	5	DFT-256QAM	L	Inner_1RB_Left	17.5	17.72	23.98	PASS
N30	15	5	DFT-256QAM	L	Inner_1RB_Right	17.54	17.76	23.98	PASS
N30	15	5	DFT-256QAM	L	Outer_Full	17.36	17.58	23.98	PASS
N30	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	21.65	21.87	23.98	PASS
N30	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	21.64	21.86	23.98	PASS
N30	15	5	DFT-PI2BPSK	M	Outer_Full	21.36	21.58	23.98	PASS
N30	15	5	DFT-QPSK	M	Inner_1RB_Left	21.7	21.92	23.98	PASS
N30	15	5	DFT-QPSK	M	Inner_1RB_Right	21.71	21.93	23.98	PASS
N30	15	5	DFT-QPSK	M	Outer_Full	21.22	21.44	23.98	PASS
N30	15	5	DFT-16QAM	M	Inner_1RB_Left	20.36	20.58	23.98	PASS
N30	15	5	DFT-16QAM	M	Inner_1RB_Right	20.8	21.02	23.98	PASS
N30	15	5	DFT-16QAM	M	Outer_Full	19.7	19.92	23.98	PASS
N30	15	5	DFT-64QAM	M	Inner_1RB_Left	19.52	19.74	23.98	PASS
N30	15	5	DFT-64QAM	M	Inner_1RB_Right	19.36	19.58	23.98	PASS
N30	15	5	DFT-64QAM	M	Outer_Full	19.3	19.52	23.98	PASS
N30	15	5	DFT-256QAM	M	Inner_1RB_Left	17.56	17.78	23.98	PASS
N30	15	5	DFT-256QAM	M	Inner_1RB_Right	17.54	17.76	23.98	PASS
N30	15	5	DFT-256QAM	M	Outer_Full	17.38	17.6	23.98	PASS
N30	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	21.68	21.9	23.98	PASS
N30	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	21.75	21.97	23.98	PASS



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N30	15	5	DFT-PI2BPSK	H	Outer_Full	21.36	21.58	23.98	PASS
N30	15	5	DFT-QPSK	H	Inner_1RB_Left	21.36	21.58	23.98	PASS
N30	15	5	DFT-QPSK	H	Inner_1RB_Right	21.22	21.44	23.98	PASS
N30	15	5	DFT-QPSK	H	Outer_Full	21.33	21.55	23.98	PASS
N30	15	5	DFT-16QAM	H	Inner_1RB_Left	20.36	20.58	23.98	PASS
N30	15	5	DFT-16QAM	H	Inner_1RB_Right	20.33	20.55	23.98	PASS
N30	15	5	DFT-16QAM	H	Outer_Full	19.7	19.92	23.98	PASS
N30	15	5	DFT-64QAM	H	Inner_1RB_Left	19.46	19.68	23.98	PASS
N30	15	5	DFT-64QAM	H	Inner_1RB_Right	19.54	19.76	23.98	PASS
N30	15	5	DFT-64QAM	H	Outer_Full	19.36	19.58	23.98	PASS
N30	15	5	DFT-256QAM	H	Inner_1RB_Left	17.52	17.74	23.98	PASS
N30	15	5	DFT-256QAM	H	Inner_1RB_Right	17.5	17.72	23.98	PASS
N30	15	5	DFT-256QAM	H	Outer_Full	17.44	17.66	23.98	PASS
N30	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	21.51	21.73	23.98	PASS
N30	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	21.65	21.87	23.98	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	21.25	21.47	23.98	PASS
N30	15	10	DFT-QPSK	M	Inner_1RB_Left	21.25	21.47	23.98	PASS
N30	15	10	DFT-QPSK	M	Inner_1RB_Right	21.68	21.9	23.98	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	21.3	21.52	23.98	PASS
N30	15	10	DFT-16QAM	M	Inner_1RB_Left	20.63	20.85	23.98	PASS
N30	15	10	DFT-16QAM	M	Inner_1RB_Right	20.8	21.02	23.98	PASS
N30	15	10	DFT-16QAM	M	Outer_Full	19.59	19.81	23.98	PASS
N30	15	10	DFT-64QAM	M	Inner_1RB_Left	19.63	19.85	23.98	PASS
N30	15	10	DFT-64QAM	M	Inner_1RB_Right	19.52	19.74	23.98	PASS
N30	15	10	DFT-64QAM	M	Outer_Full	19.19	19.41	23.98	PASS
N30	15	10	DFT-256QAM	M	Inner_1RB_Left	17.52	17.74	23.98	PASS
N30	15	10	DFT-256QAM	M	Inner_1RB_Right	17.36	17.58	23.98	PASS
N30	15	10	DFT-256QAM	M	Outer_Full	17.31	17.53	23.98	PASS



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Field Strength of Spurious Radiation

Test Band = 5G NR N30_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	41.54	-45.80	31.53	-67.99	-40.00	27.99	224	31	Horizontal
2	6630.5700	40.26	-44.18	35.50	-63.68	-40.00	23.68	158	227	Horizontal
3	8840.7600	37.57	-41.25	38.10	-60.83	-40.00	20.83	196	227	Horizontal
4	11050.9500	33.63	-37.91	39.08	-60.46	-40.00	20.46	152	320	Horizontal
5	13261.1400	33.15	-37.00	39.99	-59.12	-40.00	19.12	163	106	Horizontal
6	15471.3300	33.81	-34.84	38.61	-57.68	-40.00	17.68	111	289	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	41.86	-45.80	31.53	-67.67	-40.00	27.67	274	4	Vertical
2	6630.5700	40.79	-44.18	35.50	-63.15	-40.00	23.15	145	258	Vertical
3	8840.7600	37.89	-41.25	38.10	-60.51	-40.00	20.51	159	359	Vertical
4	11050.9500	34.43	-37.91	39.08	-59.66	-40.00	19.66	126	305	Vertical
5	13261.1400	33.79	-37.00	39.99	-58.48	-40.00	18.48	135	153	Vertical
6	15471.3300	34.30	-34.84	38.61	-57.19	-40.00	17.19	182	30	Vertical



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Test Band = 5G NR N30_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	41.01	-45.67	31.73	-68.19	-40.00	28.19	126	230	Horizontal
2	6909.2700	40.50	-44.05	35.97	-62.83	-40.00	22.83	140	359	Horizontal
3	9212.3600	37.27	-40.25	38.35	-59.89	-40.00	19.89	153	122	Horizontal
4	11515.4500	33.64	-37.25	38.98	-59.88	-40.00	19.88	255	31	Horizontal
5	13818.5400	33.78	-36.22	39.98	-57.73	-40.00	17.73	174	139	Horizontal
6	16121.6300	35.01	-34.56	37.71	-57.10	-40.00	17.10	261	360	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	41.93	-45.67	31.73	-67.27	-40.00	27.27	245	215	Vertical
2	6909.2700	40.35	-44.05	35.97	-62.98	-40.00	22.98	156	45	Vertical
3	9212.3600	37.23	-40.25	38.35	-59.93	-40.00	19.93	192	227	Vertical
4	11515.4500	33.42	-37.25	38.98	-60.10	-40.00	20.10	174	360	Vertical
5	13818.5400	33.72	-36.22	39.98	-57.79	-40.00	17.79	153	167	Vertical
6	16121.6300	34.82	-34.56	37.71	-57.29	-40.00	17.29	222	213	Vertical



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Test Band = 5G NR N30_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	41.81	-45.79	31.54	-67.70	-40.00	27.70	125	211	Horizontal
2	6644.6100	40.63	-44.11	35.53	-63.21	-40.00	23.21	156	358	Horizontal
3	8859.4800	37.72	-41.24	38.12	-60.67	-40.00	20.67	136	359	Horizontal
4	11074.3500	33.84	-37.94	39.08	-60.27	-40.00	20.27	256	16	Horizontal
5	13289.2200	33.49	-36.91	40.02	-58.66	-40.00	18.66	291	3	Horizontal
6	15504.0900	34.24	-35.35	38.57	-57.80	-40.00	17.80	147	354	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	41.44	-45.79	31.54	-68.07	-40.00	28.07	125	21	Vertical
2	6644.6100	40.00	-44.11	35.53	-63.84	-40.00	23.84	148	16	Vertical
3	8859.4800	37.73	-41.24	38.12	-60.66	-40.00	20.66	156	4	Vertical
4	11074.3500	33.68	-37.94	39.08	-60.43	-40.00	20.43	291	320	Vertical
5	13289.2200	33.33	-36.91	40.02	-58.82	-40.00	18.82	174	133	Vertical
6	15504.0900	34.33	-35.35	38.57	-57.71	-40.00	17.71	196	288	Vertical



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Test Band = 5G NR N30_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	42.18	-45.66	31.75	-66.98	-40.00	26.98	256	322	Horizontal
2	6921.0300	40.05	-43.98	35.99	-63.20	-40.00	23.20	135	123	Horizontal
3	9228.0400	36.12	-40.24	38.36	-61.02	-40.00	21.02	148	335	Horizontal
4	11535.0500	33.52	-37.16	38.96	-59.94	-40.00	19.94	196	185	Horizontal
5	13842.0600	34.79	-35.99	40.00	-56.47	-40.00	16.47	144	322	Horizontal
6	16148.0700	35.91	-34.59	37.68	-56.26	-40.00	16.26	175	277	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	41.13	-45.66	31.75	-68.03	-40.00	28.03	135	4	Vertical
2	6921.0300	40.16	-43.98	35.99	-63.09	-40.00	23.09	128	354	Vertical
3	9228.0400	36.08	-40.24	38.36	-61.06	-40.00	21.06	148	46	Vertical
4	11535.0500	33.74	-37.16	38.96	-59.72	-40.00	19.72	196	261	Vertical
5	13842.0600	34.38	-35.99	40.00	-56.88	-40.00	16.88	153	215	Vertical
6	16148.0700	35.06	-34.59	37.68	-57.11	-40.00	17.11	251	354	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---

