

Report No.: SEWM2306000190RG02

Rev.: 01

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Appendix B.31

NR Band n26(814-824)



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Transmitter Conducted Power Output

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	limit	Verdict
N26-814-824	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	23.43	50	pass
N26-814-824	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	23.4	50	pass
N26-814-824	15	5	DFT-PI2BPSK	L	Outer_Full	23.43	50	pass
N26-814-824	15	5	DFT-QPSK	L	Inner_1RB_Left	23.51	50	pass
N26-814-824	15	5	DFT-QPSK	L	Inner_1RB_Right	23.48	50	pass
N26-814-824	15	5	DFT-QPSK	L	Outer_Full	23.44	50	pass
N26-814-824	15	5	DFT-16QAM	L	Inner_1RB_Left	23.34	50	pass
N26-814-824	15	5	DFT-16QAM	L	Inner_1RB_Right	23.45	50	pass
N26-814-824	15	5	DFT-16QAM	L	Outer_Full	22.51	50	pass
N26-814-824	15	5	DFT-64QAM	L	Inner_1RB_Left	21.74	50	pass
N26-814-824	15	5	DFT-64QAM	L	Inner_1RB_Right	21.84	50	pass
N26-814-824	15	5	DFT-64QAM	L	Outer_Full	22.06	50	pass
N26-814-824	15	5	DFT-256QAM	L	Inner_1RB_Left	19.75	50	pass
N26-814-824	15	5	DFT-256QAM	L	Inner_1RB_Right	19.75	50	pass
N26-814-824	15	5	DFT-256QAM	L	Outer_Full	19.84	50	pass
N26-814-824	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	23.22	50	pass
N26-814-824	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	23.34	50	pass
N26-814-824	15	5	DFT-PI2BPSK	M	Outer_Full	23.49	50	pass
N26-814-824	15	5	DFT-QPSK	M	Inner_1RB_Left	23.46	50	pass
N26-814-824	15	5	DFT-QPSK	M	Inner_1RB_Right	23.4	50	pass
N26-814-824	15	5	DFT-QPSK	M	Outer_Full	23.44	50	pass
N26-814-824	15	5	DFT-16QAM	M	Inner_1RB_Left	23.77	50	pass
N26-814-824	15	5	DFT-16QAM	M	Inner_1RB_Right	23.82	50	pass
N26-814-824	15	5	DFT-16QAM	M	Outer_Full	22.47	50	pass
N26-814-824	15	5	DFT-64QAM	M	Inner_1RB_Left	21.73	50	pass
N26-814-824	15	5	DFT-64QAM	M	Inner_1RB_Right	21.52	50	pass
N26-814-824	15	5	DFT-64QAM	M	Outer_Full	21.99	50	pass
N26-814-824	15	5	DFT-256QAM	M	Inner_1RB_Left	19.65	50	pass



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N26-814-824	15	5	DFT-256QAM	M	Inner_1RB_Right	19.69	50	pass
N26-814-824	15	5	DFT-256QAM	M	Outer_Full	19.87	50	pass
N26-814-824	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	23.4	50	pass
N26-814-824	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	23.27	50	pass
N26-814-824	15	5	DFT-PI2BPSK	H	Outer_Full	23.41	50	pass
N26-814-824	15	5	DFT-QPSK	H	Inner_1RB_Left	23.41	50	pass
N26-814-824	15	5	DFT-QPSK	H	Inner_1RB_Right	23.31	50	pass
N26-814-824	15	5	DFT-QPSK	H	Outer_Full	23.42	50	pass
N26-814-824	15	5	DFT-16QAM	H	Inner_1RB_Left	23.84	50	pass
N26-814-824	15	5	DFT-16QAM	H	Inner_1RB_Right	23.72	50	pass
N26-814-824	15	5	DFT-16QAM	H	Outer_Full	22.4	50	pass
N26-814-824	15	5	DFT-64QAM	H	Inner_1RB_Left	21.81	50	pass
N26-814-824	15	5	DFT-64QAM	H	Inner_1RB_Right	21.72	50	pass
N26-814-824	15	5	DFT-64QAM	H	Outer_Full	22.04	50	pass
N26-814-824	15	5	DFT-256QAM	H	Inner_1RB_Left	19.71	50	pass
N26-814-824	15	5	DFT-256QAM	H	Inner_1RB_Right	19.59	50	pass
N26-814-824	15	5	DFT-256QAM	H	Outer_Full	19.83	50	pass
N26-814-824	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	23.48	50	pass
N26-814-824	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	23.33	50	pass
N26-814-824	15	10	DFT-PI2BPSK	M	Outer_Full	23.5	50	pass
N26-814-824	15	10	DFT-QPSK	M	Inner_1RB_Left	23.4	50	pass
N26-814-824	15	10	DFT-QPSK	M	Inner_1RB_Right	23.29	50	pass
N26-814-824	15	10	DFT-QPSK	M	Outer_Full	23.44	50	pass
N26-814-824	15	10	DFT-16QAM	M	Inner_1RB_Left	23.88	50	pass
N26-814-824	15	10	DFT-16QAM	M	Inner_1RB_Right	23.77	50	pass
N26-814-824	15	10	DFT-16QAM	M	Outer_Full	22.42	50	pass
N26-814-824	15	10	DFT-64QAM	M	Inner_1RB_Left	21.81	50	pass
N26-814-824	15	10	DFT-64QAM	M	Inner_1RB_Right	21.64	50	pass
N26-814-824	15	10	DFT-64QAM	M	Outer_Full	22.02	50	pass
N26-814-824	15	10	DFT-256QAM	M	Inner_1RB_Left	19.66	50	pass
N26-814-824	15	10	DFT-256QAM	M	Inner_1RB_Right	19.6	50	pass
N26-814-824	15	10	DFT-256QAM	M	Outer_Full	19.9	50	pass



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Field Strength of Spurious Radiation

Test Band = 5G NR SA n26_ 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	1634.2857	59.32	-48.24	25.36	-58.82	-13.00	45.82	245	277	Horizontal
2	2373.7143	51.70	-47.46	27.43	-63.60	-13.00	50.60	166	120	Horizontal
3	3275.4286	50.25	-46.58	29.59	-62.01	-13.00	49.01	254	331	Horizontal
4	4090.8571	48.08	-45.93	30.94	-62.17	-13.00	49.17	198	173	Horizontal
5	4904	52.31	-45.59	32.61	-55.93	-13.00	42.93	175	251	Horizontal
6	5976.5714	42.61	-44.56	34.09	-63.12	-13.00	50.12	143	356	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	1636	56.87	-48.24	25.36	-61.26	-13.00	48.26	254	238	Vertical
2	2457.1429	60.39	-47.35	27.63	-54.59	-13.00	41.59	175	304	Vertical
3	3275.4286	55.03	-46.58	29.59	-57.23	-13.00	44.23	145	212	Vertical
4	4098.2857	54.53	-45.91	30.95	-55.69	-13.00	42.69	165	304	Vertical
5	4911.4286	60.11	-45.61	32.63	-48.12	-13.00	35.12	135	264	Vertical
6	5737.7143	46.72	-44.60	33.52	-59.62	-13.00	46.62	188	264	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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