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Appendix B.27

NR Band n12



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Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	ERP	LIMIT	Verdict
N12	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	22.79	21.04	34.77	pass
N12	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	22.82	21.07	34.77	pass
N12	15	5	DFT-PI2BPSK	L	Outer_Full	22.76	21.01	34.77	pass
N12	15	5	DFT-QPSK	L	Inner_1RB_Left	22.66	20.91	34.77	pass
N12	15	5	DFT-QPSK	L	Inner_1RB_Right	22.7	20.95	34.77	pass
N12	15	5	DFT-QPSK	L	Outer_Full	22.75	21	34.77	pass
N12	15	5	DFT-16QAM	L	Inner_1RB_Left	22.77	21.02	34.77	pass
N12	15	5	DFT-16QAM	L	Inner_1RB_Right	22.77	21.02	34.77	pass
N12	15	5	DFT-16QAM	L	Outer_Full	21.7	19.95	34.77	pass
N12	15	5	DFT-64QAM	L	Inner_1RB_Left	21.25	19.5	34.77	pass
N12	15	5	DFT-64QAM	L	Inner_1RB_Right	21.22	19.47	34.77	pass
N12	15	5	DFT-64QAM	L	Outer_Full	21.25	19.5	34.77	pass
N12	15	5	DFT-256QAM	L	Inner_1RB_Left	19.17	17.42	34.77	pass
N12	15	5	DFT-256QAM	L	Inner_1RB_Right	19.38	17.63	34.77	pass
N12	15	5	DFT-256QAM	L	Outer_Full	19.17	17.42	34.77	pass
N12	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	22.73	20.98	34.77	pass
N12	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	22.93	21.18	34.77	pass
N12	15	5	DFT-PI2BPSK	M	Outer_Full	22.79	21.04	34.77	pass
N12	15	5	DFT-QPSK	M	Inner_1RB_Left	22.62	20.87	34.77	pass
N12	15	5	DFT-QPSK	M	Inner_1RB_Right	22.86	21.11	34.77	pass
N12	15	5	DFT-QPSK	M	Outer_Full	22.86	21.11	34.77	pass
N12	15	5	DFT-16QAM	M	Inner_1RB_Left	22.79	21.04	34.77	pass
N12	15	5	DFT-16QAM	M	Inner_1RB_Right	22.8	21.05	34.77	pass
N12	15	5	DFT-16QAM	M	Outer_Full	21.78	20.03	34.77	pass
N12	15	5	DFT-64QAM	M	Inner_1RB_Left	21.16	19.41	34.77	pass
N12	15	5	DFT-64QAM	M	Inner_1RB_Right	21.3	19.55	34.77	pass
N12	15	5	DFT-64QAM	M	Outer_Full	21.34	19.59	34.77	pass
N12	15	5	DFT-256QAM	M	Inner_1RB_Left	19.23	17.48	34.77	pass



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N12	15	5	DFT-256QAM	M	Inner_1RB_Right	19.52	17.77	34.77	pass
N12	15	5	DFT-256QAM	M	Outer_Full	19.28	17.53	34.77	pass
N12	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	22.93	21.18	34.77	pass
N12	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	23.06	21.31	34.77	pass
N12	15	5	DFT-PI2BPSK	H	Outer_Full	23	21.25	34.77	pass
N12	15	5	DFT-QPSK	H	Inner_1RB_Left	22.87	21.12	34.77	pass
N12	15	5	DFT-QPSK	H	Inner_1RB_Right	22.91	21.16	34.77	pass
N12	15	5	DFT-QPSK	H	Outer_Full	22.98	21.23	34.77	pass
N12	15	5	DFT-16QAM	H	Inner_1RB_Left	22.99	21.24	34.77	pass
N12	15	5	DFT-16QAM	H	Inner_1RB_Right	23.08	21.33	34.77	pass
N12	15	5	DFT-16QAM	H	Outer_Full	21.99	20.24	34.77	pass
N12	15	5	DFT-64QAM	H	Inner_1RB_Left	21.45	19.7	34.77	pass
N12	15	5	DFT-64QAM	H	Inner_1RB_Right	21.49	19.74	34.77	pass
N12	15	5	DFT-64QAM	H	Outer_Full	21.49	19.74	34.77	pass
N12	15	5	DFT-256QAM	H	Inner_1RB_Left	19.47	17.72	34.77	pass
N12	15	5	DFT-256QAM	H	Inner_1RB_Right	19.6	17.85	34.77	pass
N12	15	5	DFT-256QAM	H	Outer_Full	19.48	17.73	34.77	pass
N12	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	22.81	21.06	34.77	pass
N12	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	22.81	21.06	34.77	pass
N12	15	10	DFT-PI2BPSK	L	Outer_Full	22.84	21.09	34.77	pass
N12	15	10	DFT-QPSK	L	Inner_1RB_Left	22.72	20.97	34.77	pass
N12	15	10	DFT-QPSK	L	Inner_1RB_Right	22.75	21	34.77	pass
N12	15	10	DFT-QPSK	L	Outer_Full	22.82	21.07	34.77	pass
N12	15	10	DFT-16QAM	L	Inner_1RB_Left	22.78	21.03	34.77	pass
N12	15	10	DFT-16QAM	L	Inner_1RB_Right	22.96	21.21	34.77	pass
N12	15	10	DFT-16QAM	L	Outer_Full	21.84	20.09	34.77	pass
N12	15	10	DFT-64QAM	L	Inner_1RB_Left	21.35	19.6	34.77	pass
N12	15	10	DFT-64QAM	L	Inner_1RB_Right	21.21	19.46	34.77	pass
N12	15	10	DFT-64QAM	L	Outer_Full	21.36	19.61	34.77	pass
N12	15	10	DFT-256QAM	L	Inner_1RB_Left	19.19	17.44	34.77	pass
N12	15	10	DFT-256QAM	L	Inner_1RB_Right	19.43	17.68	34.77	pass
N12	15	10	DFT-256QAM	L	Outer_Full	19.31	17.56	34.77	pass
N12	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	22.82	21.07	34.77	pass



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N12	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	23.02	21.27	34.77	pass
N12	15	10	DFT-PI2BPSK	M	Outer_Full	22.79	21.04	34.77	pass
N12	15	10	DFT-QPSK	M	Inner_1RB_Left	22.69	20.94	34.77	pass
N12	15	10	DFT-QPSK	M	Inner_1RB_Right	22.97	21.22	34.77	pass
N12	15	10	DFT-QPSK	M	Outer_Full	22.79	21.04	34.77	pass
N12	15	10	DFT-16QAM	M	Inner_1RB_Left	22.97	21.22	34.77	pass
N12	15	10	DFT-16QAM	M	Inner_1RB_Right	22.89	21.14	34.77	pass
N12	15	10	DFT-16QAM	M	Outer_Full	21.81	20.06	34.77	pass
N12	15	10	DFT-64QAM	M	Inner_1RB_Left	21.33	19.58	34.77	pass
N12	15	10	DFT-64QAM	M	Inner_1RB_Right	21.46	19.71	34.77	pass
N12	15	10	DFT-64QAM	M	Outer_Full	21.32	19.57	34.77	pass
N12	15	10	DFT-256QAM	M	Inner_1RB_Left	19.23	17.48	34.77	pass
N12	15	10	DFT-256QAM	M	Inner_1RB_Right	19.65	17.9	34.77	pass
N12	15	10	DFT-256QAM	M	Outer_Full	19.28	17.53	34.77	pass
N12	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	22.78	21.03	34.77	pass
N12	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	23.03	21.28	34.77	pass
N12	15	10	DFT-PI2BPSK	H	Outer_Full	22.96	21.21	34.77	pass
N12	15	10	DFT-QPSK	H	Inner_1RB_Left	22.68	20.93	34.77	pass
N12	15	10	DFT-QPSK	H	Inner_1RB_Right	22.89	21.14	34.77	pass
N12	15	10	DFT-QPSK	H	Outer_Full	22.94	21.19	34.77	pass
N12	15	10	DFT-16QAM	H	Inner_1RB_Left	22.74	20.99	34.77	pass
N12	15	10	DFT-16QAM	H	Inner_1RB_Right	23.1	21.35	34.77	pass
N12	15	10	DFT-16QAM	H	Outer_Full	21.96	20.21	34.77	pass
N12	15	10	DFT-64QAM	H	Inner_1RB_Left	21.2	19.45	34.77	pass
N12	15	10	DFT-64QAM	H	Inner_1RB_Right	21.48	19.73	34.77	pass
N12	15	10	DFT-64QAM	H	Outer_Full	21.46	19.71	34.77	pass
N12	15	10	DFT-256QAM	H	Inner_1RB_Left	19.29	17.54	34.77	pass
N12	15	10	DFT-256QAM	H	Inner_1RB_Right	19.6	17.85	34.77	pass
N12	15	10	DFT-256QAM	H	Outer_Full	19.42	17.67	34.77	pass
N12	15	15	DFT-PI2BPSK	L	Inner_1RB_Left	22.88	21.13	34.77	pass
N12	15	15	DFT-PI2BPSK	L	Inner_1RB_Right	23.16	21.41	34.77	pass
N12	15	15	DFT-PI2BPSK	L	Outer_Full	23.03	21.28	34.77	pass
N12	15	15	DFT-QPSK	L	Inner_1RB_Left	22.84	21.09	34.77	pass



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N12	15	15	DFT-QPSK	L	Inner_1RB_Right	22.98	21.23	34.77	pass
N12	15	15	DFT-QPSK	L	Outer_Full	22.99	21.24	34.77	pass
N12	15	15	DFT-16QAM	L	Inner_1RB_Left	22.83	21.08	34.77	pass
N12	15	15	DFT-16QAM	L	Inner_1RB_Right	22.97	21.22	34.77	pass
N12	15	15	DFT-16QAM	L	Outer_Full	22.05	20.3	34.77	pass
N12	15	15	DFT-64QAM	L	Inner_1RB_Left	21.21	19.46	34.77	pass
N12	15	15	DFT-64QAM	L	Inner_1RB_Right	21.66	19.91	34.77	pass
N12	15	15	DFT-64QAM	L	Outer_Full	21.5	19.75	34.77	pass
N12	15	15	DFT-256QAM	L	Inner_1RB_Left	19.49	17.74	34.77	pass
N12	15	15	DFT-256QAM	L	Inner_1RB_Right	19.69	17.94	34.77	pass
N12	15	15	DFT-256QAM	L	Outer_Full	19.5	17.75	34.77	pass
N12	15	15	DFT-PI2BPSK	M	Inner_1RB_Left	22.86	21.11	34.77	pass
N12	15	15	DFT-PI2BPSK	M	Inner_1RB_Right	23.12	21.37	34.77	pass
N12	15	15	DFT-PI2BPSK	M	Outer_Full	23	21.25	34.77	pass
N12	15	15	DFT-QPSK	M	Inner_1RB_Left	22.78	21.03	34.77	pass
N12	15	15	DFT-QPSK	M	Inner_1RB_Right	22.99	21.24	34.77	pass
N12	15	15	DFT-QPSK	M	Outer_Full	23.06	21.31	34.77	pass
N12	15	15	DFT-16QAM	M	Inner_1RB_Left	22.82	21.07	34.77	pass
N12	15	15	DFT-16QAM	M	Inner_1RB_Right	23.07	21.32	34.77	pass
N12	15	15	DFT-16QAM	M	Outer_Full	21.99	20.24	34.77	pass
N12	15	15	DFT-64QAM	M	Inner_1RB_Left	21.37	19.62	34.77	pass
N12	15	15	DFT-64QAM	M	Inner_1RB_Right	21.52	19.77	34.77	pass
N12	15	15	DFT-64QAM	M	Outer_Full	21.5	19.75	34.77	pass
N12	15	15	DFT-256QAM	M	Inner_1RB_Left	19.52	17.77	34.77	pass
N12	15	15	DFT-256QAM	M	Inner_1RB_Right	19.68	17.93	34.77	pass
N12	15	15	DFT-256QAM	M	Outer_Full	19.53	17.78	34.77	pass
N12	15	15	DFT-PI2BPSK	H	Inner_1RB_Left	22.87	21.12	34.77	pass
N12	15	15	DFT-PI2BPSK	H	Inner_1RB_Right	23.08	21.33	34.77	pass
N12	15	15	DFT-PI2BPSK	H	Outer_Full	23.08	21.33	34.77	pass
N12	15	15	DFT-QPSK	H	Inner_1RB_Left	22.77	21.02	34.77	pass
N12	15	15	DFT-QPSK	H	Inner_1RB_Right	22.93	21.18	34.77	pass
N12	15	15	DFT-QPSK	H	Outer_Full	23.02	21.27	34.77	pass
N12	15	15	DFT-16QAM	H	Inner_1RB_Left	22.83	21.08	34.77	pass



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N12	15	15	DFT-16QAM	H	Outer_Full	22.06	20.31	34.77	pass
N12	15	15	DFT-64QAM	H	Inner_1RB_Left	21.43	19.68	34.77	pass
N12	15	15	DFT-64QAM	H	Inner_1RB_Right	21.56	19.81	34.77	pass
N12	15	15	DFT-64QAM	H	Outer_Full	21.58	19.83	34.77	pass
N12	15	15	DFT-256QAM	H	Inner_1RB_Left	19.5	17.75	34.77	pass
N12	15	15	DFT-256QAM	H	Inner_1RB_Right	19.76	18.01	34.77	pass
N12	15	15	DFT-256QAM	H	Outer_Full	19.56	17.81	34.77	pass



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Field Strength of Spurious Radiation

Test Band = 5G NR SA n12_ 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	1398.8571	58.41	-48.00	25.62	-59.23	-13.00	46.23	211	360	Horizontal
2	2098.2857	68.94	-47.71	26.98	-47.05	-13.00	34.05	132	116	Horizontal
3	2799.3600	43.41	-46.92	28.48	-70.29	-13.00	57.29	156	360	Horizontal
4	3497.1429	49.60	-46.54	29.52	-62.68	-13.00	49.68	145	350	Horizontal
5	4199.0400	41.31	-45.96	31.10	-68.81	-13.00	55.81	186	196	Horizontal
6	4904	52.38	-45.59	32.61	-55.86	-13.00	42.86	190	251	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	1398.8571	56.24	-48.00	25.62	-61.40	-13.00	48.40	216	216	Vertical
2	2098.2857	69.52	-47.71	26.98	-46.47	-13.00	33.47	199	281	Vertical
3	2799.3600	43.97	-46.92	28.48	-69.73	-13.00	56.73	135	148	Vertical
4	3497.1429	48.53	-46.54	29.52	-63.75	-13.00	50.75	255	269	Vertical
5	4199.0400	41.49	-45.96	31.10	-68.63	-13.00	55.63	175	2	Vertical
6	4898.8800	41.94	-45.58	32.60	-66.30	-13.00	53.30	136	0	Vertical



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Test Band = 5G NR SA n12_ 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	1401.1429	57.30	-48.00	25.62	-60.35	-13.00	47.35	233	25	Horizontal
2	2101.7143	64.85	-47.71	27.00	-51.12	-13.00	38.12	245	108	Horizontal
3	2803.3600	43.78	-46.91	28.49	-69.89	-13.00	56.89	165	213	Horizontal
4	3502.2857	50.37	-46.54	29.52	-61.90	-13.00	48.90	129	345	Horizontal
5	4205.0400	41.95	-45.95	31.11	-68.15	-13.00	55.15	190	96	Horizontal
6	4904	52.34	-45.59	32.61	-55.90	-13.00	42.90	106	254	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	1401.6800	49.09	-48.01	25.62	-68.56	-13.00	55.56	254	216	Vertical
2	2102.5200	43.17	-47.71	27.00	-72.80	-13.00	59.80	166	216	Vertical
3	2803.3600	43.02	-46.91	28.49	-70.65	-13.00	57.65	284	0	Vertical
4	3504.2000	43.12	-46.53	29.52	-69.15	-13.00	56.15	175	335	Vertical
5	4205.0400	42.13	-45.95	31.11	-67.97	-13.00	54.97	169	84	Vertical
6	4905.8800	41.88	-45.59	32.62	-66.36	-13.00	53.36	123	357	Vertical



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Test Band = 5G NR SA n12_ 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	1402.8571	60.02	-48.01	25.62	-57.63	-13.00	44.63	256	360	Horizontal
2	2104.5714	62.79	-47.71	27.01	-53.17	-13.00	40.17	145	185	Horizontal
3	2807.3600	43.82	-46.89	28.51	-69.82	-13.00	56.82	136	53	Horizontal
4	3509.2000	43.11	-46.52	29.53	-69.14	-13.00	56.14	299	159	Horizontal
5	4211.0400	41.53	-45.94	31.12	-68.55	-13.00	55.55	109	13	Horizontal
6	4912.8800	41.92	-45.61	32.64	-66.31	-13.00	53.31	148	185	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	1402.8571	58.16	-48.01	25.62	-59.49	-13.00	46.49	241	217	Vertical
2	2104.5714	65.64	-47.71	27.01	-50.32	-13.00	37.32	136	322	Vertical
3	2807.3600	44.19	-46.89	28.51	-69.45	-13.00	56.45	255	41	Vertical
4	3509.2000	42.84	-46.52	29.53	-69.41	-13.00	56.41	199	0	Vertical
5	4211.0400	41.47	-45.94	31.12	-68.61	-13.00	55.61	144	110	Vertical
6	4912.8800	42.76	-45.61	32.64	-65.47	-13.00	52.47	109	110	Vertical



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Test Band = NSA 7A-n12A_ 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	1405.7143	63.55	-48.02	25.61	-54.12	-13.00	41.12	255	1	Horizontal
2	2108.5714	73.10	-47.71	27.02	-42.85	-13.00	29.85	142	212	Horizontal
3	2799.3600	43.52	-46.92	28.48	-70.18	-13.00	57.18	155	356	Horizontal
4	3514.8571	49.12	-46.51	29.53	-63.12	-13.00	50.12	136	185	Horizontal
5	4199.0400	41.17	-45.96	31.10	-68.95	-13.00	55.95	256	320	Horizontal
6	4904	52.64	-45.59	32.61	-55.60	-13.00	42.60	199	239	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	1405.7143	56.58	-48.02	25.61	-61.09	-13.00	48.09	255	210	Vertical
2	2108.5714	69.17	-47.71	27.02	-46.78	-13.00	33.78	142	276	Vertical
3	2799.3600	43.83	-46.92	28.48	-69.87	-13.00	56.87	135	118	Vertical
4	3499.2000	42.70	-46.54	29.52	-69.58	-13.00	56.58	125	13	Vertical
5	4199.0400	41.79	-45.96	31.10	-68.33	-13.00	55.33	199	355	Vertical
6	4904	46.77	-45.59	32.61	-61.47	-13.00	48.47	175	53	Vertical



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Test Band = NSA 7A-n12A_ 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	1405.7143	65.75	-48.02	25.61	-51.92	-13.00	38.92	255	0	Horizontal
2	2108.5714	64.05	-47.71	27.02	-51.90	-13.00	38.90	148	215	Horizontal
3	2803.3600	43.96	-46.91	28.49	-69.71	-13.00	56.71	152	122	Horizontal
4	3504.2000	43.18	-46.53	29.52	-69.09	-13.00	56.09	169	94	Horizontal
5	4205.0400	41.96	-45.95	31.11	-68.14	-13.00	55.14	198	94	Horizontal
6	4905.8800	42.47	-45.59	32.62	-65.77	-13.00	52.77	175	322	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	1405.7143	55.20	-48.02	25.61	-62.47	-13.00	49.47	233	345	Vertical
2	2108.5714	65.10	-47.71	27.02	-50.85	-13.00	37.85	125	319	Vertical
3	2803.3600	43.51	-46.91	28.49	-70.16	-13.00	57.16	145	93	Vertical
4	3504.2000	43.54	-46.53	29.52	-68.73	-13.00	55.73	162	334	Vertical
5	4205.0400	41.43	-45.95	31.11	-68.67	-13.00	55.67	175	254	Vertical
6	4905.8800	42.26	-45.59	32.62	-65.98	-13.00	52.98	148	334	Vertical



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Test Band = NSA 7A-n12A_ 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	1403.6800	44.50	-48.01	25.61	-73.16	-13.00	60.16	242	172	Horizontal
2	2108.5714	65.55	-47.71	27.02	-50.40	-13.00	37.40	153	0	Horizontal
3	2807.3600	43.37	-46.89	28.51	-70.27	-13.00	57.27	236	0	Horizontal
4	3509.2000	43.19	-46.52	29.53	-69.06	-13.00	56.06	256	347	Horizontal
5	4211.0400	41.61	-45.94	31.12	-68.47	-13.00	55.47	142	185	Horizontal
6	4904	52.69	-45.59	32.61	-55.55	-13.00	42.55	155	239	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	1403.6800	44.49	-48.01	25.61	-73.17	-13.00	60.17	241	360	Vertical
2	2105.5200	43.16	-47.71	27.01	-72.80	-13.00	59.80	132	277	Vertical
3	2807.3600	43.85	-46.89	28.51	-69.79	-13.00	56.79	156	332	Vertical
4	3509.2000	43.33	-46.52	29.53	-68.92	-13.00	55.92	132	146	Vertical
5	4211.0400	41.68	-45.94	31.12	-68.40	-13.00	55.40	258	344	Vertical
6	4912.8800	42.53	-45.61	32.64	-65.70	-13.00	52.70	147	360	Vertical



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Test Band = 5G NR CA n12A-n41A_ 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	1399.6800	35.44	-25.24	25.62	-59.44	-25.00	34.44	125	4	Horizontal
2	2099.5200	36.64	-24.20	26.99	-55.83	-25.00	30.83	135	4	Horizontal
3	2799.3600	37.34	-22.56	28.48	-52.00	-25.00	27.00	125	360	Horizontal
4	5002.2000	41.94	-45.63	32.88	-66.07	-25.00	41.07	146	330	Horizontal
5	7503.3000	40.30	-43.13	36.44	-61.65	-25.00	36.65	291	59	Horizontal
6	10004.4000	36.55	-39.23	38.50	-59.45	-25.00	34.45	154	225	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	1399.6800	35.29	-25.24	25.62	-59.59	-25.00	34.59	266	236	Vertical
2	2099.5200	36.85	-24.20	26.99	-55.62	-25.00	30.62	142	359	Vertical
3	2799.3600	37.71	-22.56	28.48	-51.63	-25.00	26.63	138	287	Vertical
4	5002.2000	41.16	-45.63	32.88	-66.85	-25.00	41.85	197	91	Vertical
5	7503.3000	40.08	-43.13	36.44	-61.87	-25.00	36.87	175	0	Vertical
6	10004.4000	36.11	-39.23	38.50	-59.89	-25.00	34.89	144	3	Vertical



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Test Band = 5G NR CA n12A-n41A_ 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	1401.6800	35.20	-25.24	25.62	-59.68	-25.00	34.68	241	252	Horizontal
2	2102.5200	36.78	-24.20	27.00	-55.68	-25.00	30.68	122	356	Horizontal
3	2803.3600	37.51	-22.58	28.50	-51.83	-25.00	26.83	126	360	Horizontal
4	5100.1800	41.32	-45.37	32.94	-66.37	-25.00	41.37	236	72	Horizontal
5	7650.2700	39.93	-43.03	36.49	-61.87	-25.00	36.87	255	284	Horizontal
6	10200.3600	35.89	-39.50	38.81	-60.06	-25.00	35.06	190	89	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	1401.6800	35.26	-25.24	25.62	-59.62	-25.00	34.62	214	210	Vertical
2	2102.5200	36.85	-24.20	27.00	-55.61	-25.00	30.61	130	4	Vertical
3	2803.3600	37.49	-22.58	28.50	-51.85	-25.00	26.85	236	99	Vertical
4	5100.1800	41.96	-45.37	32.94	-65.73	-25.00	40.73	256	300	Vertical
5	7650.2700	39.81	-43.03	36.49	-61.99	-25.00	36.99	216	179	Vertical
6	10200.3600	35.79	-39.50	38.81	-60.16	-25.00	35.16	192	330	Vertical



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Test Band = 5G NR CA n12A-n41A_ 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	1403.6800	35.33	-25.24	25.61	-59.55	-25.00	34.55	245	41	Horizontal
2	2105.5200	36.80	-24.19	27.01	-55.64	-25.00	30.64	126	335	Horizontal
3	2807.3600	37.38	-22.59	28.51	-51.96	-25.00	26.96	233	30	Horizontal
4	5190.1800	41.71	-45.29	32.98	-65.85	-25.00	40.85	269	74	Horizontal
5	7785.2700	39.89	-42.43	36.75	-61.04	-25.00	36.04	148	356	Horizontal
6	10380.3600	35.88	-39.03	38.86	-59.55	-25.00	34.55	192	181	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	1403.6800	35.27	-25.24	25.61	-59.61	-25.00	34.61	244	268	Vertical
2	2105.5200	36.63	-24.19	27.01	-55.81	-25.00	30.81	174	109	Vertical
3	2807.3600	37.47	-22.59	28.51	-51.87	-25.00	26.87	185	159	Vertical
4	5190.1800	41.61	-45.29	32.98	-65.95	-25.00	40.95	169	196	Vertical
5	7785.2700	39.65	-42.43	36.75	-61.28	-25.00	36.28	192	132	Vertical
6	10380.3600	36.45	-39.03	38.86	-58.98	-25.00	33.98	142	270	Vertical



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Test Band = 5G NR CA n12A-n77A_ 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	6810.1800	41.34	-43.61	35.85	-61.68	-13.00	48.68	214	0	Horizontal
2	7375.15	42.54	-42.92	36.50	-59.14	-13.00	46.14	153	242	Horizontal
3	8349.775	41.68	-41.62	37.27	-57.93	-13.00	44.93	135	286	Horizontal
4	10215.2700	35.83	-39.23	38.81	-59.85	-13.00	46.85	126	105	Horizontal
5	13620.3600	33.66	-36.03	40.13	-57.50	-13.00	44.50	192	270	Horizontal
6	17025.4500	34.18	-33.71	38.51	-56.28	-13.00	43.28	155	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	6810.1800	41.57	-43.61	35.85	-61.45	-13.00	48.45	215	256	Vertical
2	7535	42.75	-43.02	36.42	-59.11	-13.00	46.11	148	226	Vertical
3	8356.675	41.60	-41.59	37.28	-57.97	-13.00	44.97	156	61	Vertical
4	10215.2700	36.57	-39.23	38.81	-59.11	-13.00	46.11	135	106	Vertical
5	13620.3600	34.08	-36.03	40.13	-57.08	-13.00	44.08	188	166	Vertical
6	17025.4500	33.89	-33.71	38.51	-56.57	-13.00	43.57	192	8	Vertical



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Test Band = 5G NR CA n12A-n77A_ 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	6910.1800	41.77	-43.80	35.97	-61.32	-13.00	48.32	142	121	Horizontal
2	7900.7	41.92	-42.74	36.90	-59.18	-13.00	46.18	135	166	Horizontal
3	8809.775	40.35	-41.12	38.09	-57.94	-13.00	44.94	126	196	Horizontal
4	10365.2700	36.27	-38.81	38.85	-58.94	-13.00	45.94	299	211	Horizontal
5	13820.3600	32.93	-36.11	39.98	-58.46	-13.00	45.46	155	357	Horizontal
6	17275.4500	33.28	-35.16	38.70	-58.43	-13.00	45.43	148	47	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	6910.1800	41.12	-43.80	35.97	-61.97	-13.00	48.97	214	0	Vertical
2	7744.875	41.83	-42.78	36.67	-59.54	-13.00	46.54	135	286	Vertical
3	8806.325	40.45	-41.13	38.08	-57.85	-13.00	44.85	126	331	Vertical
4	10365.2700	35.54	-38.81	38.85	-59.67	-13.00	46.67	159	91	Vertical
5	13820.3600	33.16	-36.11	39.98	-58.23	-13.00	45.23	145	226	Vertical
6	17275.4500	33.90	-35.16	38.70	-57.81	-13.00	44.81	185	209	Vertical



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Test Band = 5G NR CA n12A-n77A_ 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	7010.1800	40.59	-43.06	36.11	-61.62	-13.00	48.62	125	0	Horizontal
2	7969.125	41.55	-42.32	36.97	-59.05	-13.00	46.05	145	221	Horizontal
3	9281.275	39.16	-40.05	38.40	-57.75	-13.00	44.75	158	102	Horizontal
4	10515.2700	35.43	-38.64	38.98	-59.50	-13.00	46.50	196	130	Horizontal
5	14020.3600	31.55	-35.04	40.15	-58.60	-13.00	45.60	152	145	Horizontal
6	17525.4500	33.64	-33.81	39.28	-56.15	-13.00	43.15	133	252	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	7010.1800	41.76	-43.06	36.11	-60.45	-13.00	47.45	148	116	Vertical
2	8021.45	40.58	-41.96	37.02	-59.62	-13.00	46.62	158	316	Vertical
3	8393.475	41.27	-41.40	37.32	-58.07	-13.00	45.07	169	43	Vertical
4	10515.2700	34.67	-38.64	38.98	-60.26	-13.00	47.26	192	178	Vertical
5	14020.3600	31.60	-35.04	40.15	-58.55	-13.00	45.55	174	133	Vertical
6	17525.4500	32.53	-33.81	39.28	-57.26	-13.00	44.26	152	346	Vertical



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Test Band = 5G NR CA n12A-n78A_ 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	2479.5	31.58	-23.55	27.70	-59.52	-13.00	46.52	152	299	Horizontal
2	4210.1667	27.99	-20.94	31.12	-57.09	-13.00	44.09	142	280	Horizontal
3	6810.1800	41.16	-43.61	35.85	-61.86	-13.00	48.86	132	1	Horizontal
4	10215.2700	35.33	-39.23	38.81	-60.35	-13.00	47.35	156	118	Horizontal
5	13620.3600	33.59	-36.03	40.13	-57.57	-13.00	44.57	129	256	Horizontal
6	17025.4500	33.13	-33.71	38.51	-57.33	-13.00	44.33	158	270	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	5081	29.33	-19.29	32.92	-52.30	-13.00	39.30	214	121	Vertical
2	6810.1800	41.28	-43.61	35.85	-61.74	-13.00	48.74	156	120	Vertical
3	8377.95	40.85	-41.48	37.30	-58.59	-13.00	45.59	192	1	Vertical
4	10215.2700	35.37	-39.23	38.81	-60.31	-13.00	47.31	135	357	Vertical
5	13620.3600	33.62	-36.03	40.13	-57.54	-13.00	44.54	125	227	Vertical
6	17025.4500	33.86	-33.71	38.51	-56.60	-13.00	43.60	174	136	Vertical



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Test Band = 5G NR CA n12A-n78A_ 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	4551.1667	28.43	-20.36	31.66	-55.53	-13.00	42.53	215	360	Horizontal
2	5288.1667	29.48	-18.81	32.91	-51.68	-13.00	38.68	188	4	Horizontal
3	6910.1800	40.79	-43.80	35.97	-62.30	-13.00	49.30	135	17	Horizontal
4	10365.2700	35.57	-38.81	38.85	-59.64	-13.00	46.64	126	239	Horizontal
5	13820.3600	32.48	-36.11	39.98	-58.91	-13.00	45.91	136	0	Horizontal
6	17275.4500	32.84	-35.16	38.70	-58.87	-13.00	45.87	192	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	2246.6667	29.30	-23.85	27.36	-62.45	-13.00	49.45	254	118	Vertical
2	4899.5	29.84	-20.03	32.60	-52.85	-13.00	39.85	126	268	Vertical
3	6910.1800	41.48	-43.80	35.97	-61.61	-13.00	48.61	132	356	Vertical
4	10365.2700	35.51	-38.81	38.85	-59.70	-13.00	46.70	152	105	Vertical
5	13820.3600	33.78	-36.11	39.98	-57.61	-13.00	44.61	158	0	Vertical
6	17275.4500	33.37	-35.16	38.70	-58.34	-13.00	45.34	169	195	Vertical



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Test Band = 5G NR CA n12A-n78A_ 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	3189	29.66	-22.16	29.66	-58.10	-13.00	45.10	215	250	Horizontal
2	5262.5	29.62	-18.87	32.93	-51.58	-13.00	38.58	142	260	Horizontal
3	7010.1800	40.91	-43.06	36.11	-61.30	-13.00	48.30	132	239	Horizontal
4	10515.2700	34.68	-38.64	38.98	-60.25	-13.00	47.25	126	239	Horizontal
5	14020.3600	31.92	-35.04	40.15	-58.23	-13.00	45.23	155	0	Horizontal
6	17525.4500	33.62	-33.81	39.28	-56.17	-13.00	43.17	192	0	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	2237.5	29.38	-23.90	27.36	-62.42	-13.00	49.42	248	110	Vertical
2	5271.6667	29.70	-18.85	32.92	-51.49	-13.00	38.49	159	60	Vertical
3	7010.1800	40.77	-43.06	36.11	-61.44	-13.00	48.44	136	40	Vertical
4	10515.2700	34.99	-38.64	38.98	-59.94	-13.00	46.94	256	270	Vertical
5	14020.3600	32.03	-35.04	40.15	-58.12	-13.00	45.12	142	102	Vertical
6	17525.4500	33.03	-33.81	39.28	-56.76	-13.00	43.76	125	71	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) - Pre-amplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

---End of Attachment---



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