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Appendix B.16

LTE Band 71



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Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	22.34	21.58	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#12	22.38	21.62	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#24	22.38	21.62	34.77	PASS
Band71	5MHz	QPSK	133147	25RB#0	21.43	20.67	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#0	22.48	21.72	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#12	22.49	21.73	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#24	22.47	21.71	34.77	PASS
Band71	5MHz	QPSK	133297	25RB#0	21.54	20.78	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#0	22.59	21.83	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#12	22.61	21.85	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#24	22.54	21.78	34.77	PASS
Band71	5MHz	QPSK	133447	25RB#0	21.66	20.9	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#0	21.42	20.66	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#12	21.48	20.72	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#24	21.45	20.69	34.77	PASS
Band71	5MHz	16QAM	133147	25RB#0	20.36	19.6	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#0	21.65	20.89	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#12	21.69	20.93	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#24	21.59	20.83	34.77	PASS
Band71	5MHz	16QAM	133297	25RB#0	20.5	19.74	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#0	21.7	20.94	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#12	21.71	20.95	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#24	21.72	20.96	34.77	PASS
Band71	5MHz	16QAM	133447	25RB#0	20.66	19.9	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#0	20.5	19.74	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#12	20.57	19.81	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#24	20.53	19.77	34.77	PASS



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Band71	5MHz	64QAM	133147	25RB#0	19.59	18.83	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#0	20.59	19.83	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#12	20.65	19.89	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#24	20.6	19.84	34.77	PASS
Band71	5MHz	64QAM	133297	25RB#0	19.68	18.92	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#0	20.74	19.98	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#12	20.78	20.02	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#24	20.69	19.93	34.77	PASS
Band71	5MHz	64QAM	133447	25RB#0	19.82	19.06	34.77	PASS
Band71	5MHz	256QAM	133147	1RB#0	17.63	16.87	34.77	PASS
Band71	5MHz	256QAM	133147	1RB#12	17	16.24	34.77	PASS
Band71	5MHz	256QAM	133147	1RB#24	17.52	16.76	34.77	PASS
Band71	5MHz	256QAM	133147	25RB#0	17.32	16.56	34.77	PASS
Band71	5MHz	256QAM	133297	1RB#0	17.56	16.8	34.77	PASS
Band71	5MHz	256QAM	133297	1RB#12	17.55	16.79	34.77	PASS
Band71	5MHz	256QAM	133297	1RB#24	17.36	16.6	34.77	PASS
Band71	5MHz	256QAM	133297	25RB#0	17.52	16.76	34.77	PASS
Band71	5MHz	256QAM	133447	1RB#0	17.23	16.47	34.77	PASS
Band71	5MHz	256QAM	133447	1RB#12	17.36	16.6	34.77	PASS
Band71	5MHz	256QAM	133447	1RB#24	17.56	16.8	34.77	PASS
Band71	5MHz	256QAM	133447	25RB#0	17.22	16.46	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#0	22.32	21.56	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#24	22.35	21.59	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#49	22.29	21.53	34.77	PASS
Band71	10MHz	QPSK	133172	50RB#0	21.5	20.74	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#0	22.37	21.61	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#24	22.49	21.73	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#49	22.46	21.7	34.77	PASS
Band71	10MHz	QPSK	133297	50RB#0	21.6	20.84	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#0	22.47	21.71	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#24	22.56	21.8	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#49	22.51	21.75	34.77	PASS



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Band71	10MHz	QPSK	133422	50RB#0	21.67	20.91	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#0	21.44	20.68	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#24	21.51	20.75	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#49	21.43	20.67	34.77	PASS
Band71	10MHz	16QAM	133172	50RB#0	20.43	19.67	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#0	21.57	20.81	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#24	21.66	20.9	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#49	21.59	20.83	34.77	PASS
Band71	10MHz	16QAM	133297	50RB#0	20.56	19.8	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#0	21.58	20.82	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#24	21.66	20.9	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#49	21.65	20.89	34.77	PASS
Band71	10MHz	16QAM	133422	50RB#0	20.65	19.89	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#0	20.45	19.69	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#24	20.54	19.78	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#49	20.5	19.74	34.77	PASS
Band71	10MHz	64QAM	133172	50RB#0	19.69	18.93	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#0	20.6	19.84	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#24	20.66	19.9	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#49	20.62	19.86	34.77	PASS
Band71	10MHz	64QAM	133297	50RB#0	19.75	18.99	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#0	20.58	19.82	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#24	20.67	19.91	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#49	20.69	19.93	34.77	PASS
Band71	10MHz	64QAM	133422	50RB#0	19.84	19.08	34.77	PASS
Band71	10MHz	256QAM	133172	1RB#0	17.63	16.87	34.77	PASS
Band71	10MHz	256QAM	133172	1RB#24	17.55	16.79	34.77	PASS
Band71	10MHz	256QAM	133172	1RB#49	17.32	16.56	34.77	PASS
Band71	10MHz	256QAM	133172	50RB#0	17.23	16.47	34.77	PASS
Band71	10MHz	256QAM	133297	1RB#0	17.52	16.76	34.77	PASS
Band71	10MHz	256QAM	133297	1RB#24	17.33	16.57	34.77	PASS
Band71	10MHz	256QAM	133297	1RB#49	17.52	16.76	34.77	PASS



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Band71	10MHz	256QAM	133422	1RB#0	17.45	16.69	34.77	PASS
Band71	10MHz	256QAM	133422	1RB#24	17.32	16.56	34.77	PASS
Band71	10MHz	256QAM	133422	1RB#49	17.25	16.49	34.77	PASS
Band71	10MHz	256QAM	133422	50RB#0	17.66	16.9	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#0	22.24	21.48	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#38	22.28	21.52	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#74	22.28	21.52	34.77	PASS
Band71	15MHz	QPSK	133197	75RB#0	21.29	20.53	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#0	22.27	21.51	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#38	22.41	21.65	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#74	22.37	21.61	34.77	PASS
Band71	15MHz	QPSK	133297	75RB#0	21.57	20.81	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#0	22.42	21.66	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#38	22.36	21.6	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#74	22.45	21.69	34.77	PASS
Band71	15MHz	QPSK	133397	75RB#0	21.49	20.73	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#0	21.39	20.63	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#38	21.45	20.69	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#74	21.47	20.71	34.77	PASS
Band71	15MHz	16QAM	133197	75RB#0	20.22	19.46	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#0	21.42	20.66	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#38	21.63	20.87	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#74	21.55	20.79	34.77	PASS
Band71	15MHz	16QAM	133297	75RB#0	20.52	19.76	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#0	21.55	20.79	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#38	21.66	20.9	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#74	21.63	20.87	34.77	PASS
Band71	15MHz	16QAM	133397	75RB#0	20.44	19.68	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#0	20.42	19.66	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#38	20.49	19.73	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#74	20.57	19.81	34.77	PASS



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Band71	15MHz	64QAM	133297	1RB#0	20.47	19.71	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#38	20.61	19.85	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#74	20.53	19.77	34.77	PASS
Band71	15MHz	64QAM	133297	75RB#0	19.7	18.94	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#0	20.5	19.74	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#38	20.71	19.95	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#74	20.71	19.95	34.77	PASS
Band71	15MHz	64QAM	133397	75RB#0	19.63	18.87	34.77	PASS
Band71	15MHz	256QAM	133197	1RB#0	17.63	16.87	34.77	PASS
Band71	15MHz	256QAM	133197	1RB#38	17.23	16.47	34.77	PASS
Band71	15MHz	256QAM	133197	1RB#74	17.58	16.82	34.77	PASS
Band71	15MHz	256QAM	133197	75RB#0	17.52	16.76	34.77	PASS
Band71	15MHz	256QAM	133297	1RB#0	17.66	16.9	34.77	PASS
Band71	15MHz	256QAM	133297	1RB#38	17.85	17.09	34.77	PASS
Band71	15MHz	256QAM	133297	1RB#74	17.36	16.6	34.77	PASS
Band71	15MHz	256QAM	133297	75RB#0	17.23	16.47	34.77	PASS
Band71	15MHz	256QAM	133397	1RB#0	17.33	16.57	34.77	PASS
Band71	15MHz	256QAM	133397	1RB#38	17.52	16.76	34.77	PASS
Band71	15MHz	256QAM	133397	1RB#74	17.2	16.44	34.77	PASS
Band71	15MHz	256QAM	133397	75RB#0	17.55	16.79	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#0	22.19	21.43	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#49	22.33	21.57	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#99	22.36	21.6	34.77	PASS
Band71	20MHz	QPSK	133222	100RB#0	21.13	20.37	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#0	22.26	21.5	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#49	22.46	21.7	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#99	22.39	21.63	34.77	PASS
Band71	20MHz	QPSK	133322	100RB#0	21.57	20.81	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#0	22.34	21.58	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#49	22.47	21.71	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#99	22.43	21.67	34.77	PASS



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Band71	20MHz	QPSK	133372	100RB#0	21.33	20.57	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#0	21.32	20.56	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#49	21.53	20.77	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#99	21.45	20.69	34.77	PASS
Band71	20MHz	16QAM	133222	100RB#0	20.1	19.34	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#0	21.41	20.65	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#49	21.61	20.85	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#99	21.54	20.78	34.77	PASS
Band71	20MHz	16QAM	133322	100RB#0	20.54	19.78	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#0	21.51	20.75	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#49	21.69	20.93	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#99	21.56	20.8	34.77	PASS
Band71	20MHz	16QAM	133372	100RB#0	20.31	19.55	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#0	20.33	19.57	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#49	20.52	19.76	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#99	20.46	19.7	34.77	PASS
Band71	20MHz	64QAM	133222	100RB#0	19.31	18.55	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#0	20.43	19.67	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#49	20.67	19.91	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#99	20.56	19.8	34.77	PASS
Band71	20MHz	64QAM	133322	100RB#0	19.77	19.01	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#0	20.54	19.78	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#49	20.66	19.9	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#99	20.55	19.79	34.77	PASS
Band71	20MHz	64QAM	133372	100RB#0	19.51	18.75	34.77	PASS
Band71	20MHz	256QAM	133222	1RB#0	17.63	16.87	34.77	PASS
Band71	20MHz	256QAM	133222	1RB#49	17.52	16.76	34.77	PASS
Band71	20MHz	256QAM	133222	1RB#99	17.22	16.46	34.77	PASS
Band71	20MHz	256QAM	133222	100RB#0	17.45	16.69	34.77	PASS
Band71	20MHz	256QAM	133322	1RB#0	17.63	16.87	34.77	PASS
Band71	20MHz	256QAM	133322	1RB#49	17.23	16.47	34.77	PASS
Band71	20MHz	256QAM	133322	1RB#99	17.22	16.46	34.77	PASS



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Band71	20MHz	256QAM	133322	100RB#0	17.52	16.76	34.77	PASS
Band71	20MHz	256QAM	133372	1RB#0	17.33	16.57	34.77	PASS
Band71	20MHz	256QAM	133372	1RB#49	17.52	16.76	34.77	PASS
Band71	20MHz	256QAM	133372	1RB#99	17.23	16.47	34.77	PASS
Band71	20MHz	256QAM	133372	100RB#0	17.32	16.56	34.77	PASS



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Field Strength of Spurious Radiation

Test Band = LTE Band71_ 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	1328.1800	45.32	-48.09	25.61	-72.42	-13.00	59.42	247	191	Horizontal
2	1992.2700	43.48	-47.91	26.59	-73.10	-13.00	60.10	185	360	Horizontal
3	2656.3600	43.53	-47.00	28.21	-70.52	-13.00	57.52	169	43	Horizontal
4	3320.4500	43.38	-46.65	29.53	-69.00	-13.00	56.00	192	255	Horizontal
5	3984.5400	42.79	-46.20	30.76	-67.91	-13.00	54.91	142	322	Horizontal
6	4648.6300	41.06	-45.79	31.86	-68.14	-13.00	55.14	133	105	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	1328.1800	44.68	-48.09	25.61	-73.06	-13.00	60.06	174	1	Vertical
2	1992.2700	43.49	-47.91	26.59	-73.09	-13.00	60.09	158	155	Vertical
3	2656.3600	43.73	-47.00	28.21	-70.32	-13.00	57.32	136	25	Vertical
4	3320.4500	43.10	-46.65	29.53	-69.28	-13.00	56.28	265	8	Vertical
5	3984.5400	42.20	-46.20	30.76	-68.50	-13.00	55.50	155	359	Vertical
6	4648.6300	41.85	-45.79	31.86	-67.35	-13.00	54.35	192	211	Vertical



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Test Band = LTE Band71_ 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	1348.1800	45.24	-48.07	25.61	-72.48	-13.00	59.48	254	252	Horizontal
2	2022.2700	43.05	-47.86	26.72	-73.35	-13.00	60.35	126	129	Horizontal
3	2696.3600	43.49	-47.05	28.28	-70.53	-13.00	57.53	255	103	Horizontal
4	3370.4500	42.70	-46.58	29.47	-69.67	-13.00	56.67	104	129	Horizontal
5	4044.5400	42.07	-46.07	30.87	-68.39	-13.00	55.39	169	124	Horizontal
6	4718.6300	42.34	-45.77	32.07	-66.62	-13.00	53.62	291	82	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	1348.1800	44.99	-48.07	25.61	-72.73	-13.00	59.73	158	2	Vertical
2	2022.2700	43.50	-47.86	26.72	-72.90	-13.00	59.90	145	209	Vertical
3	2696.3600	43.25	-47.05	28.28	-70.77	-13.00	57.77	126	357	Vertical
4	3370.4500	43.90	-46.58	29.47	-68.47	-13.00	55.47	139	274	Vertical
5	4044.5400	41.97	-46.07	30.87	-68.49	-13.00	55.49	291	104	Vertical
6	4718.6300	41.51	-45.77	32.07	-67.45	-13.00	54.45	175	340	Vertical



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Test Band = LTE Band71_ 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	1358.1800	44.90	-48.05	25.61	-72.80	-13.00	59.80	245	44	Horizontal
2	2037.2700	44.33	-47.83	26.77	-71.99	-13.00	58.99	185	83	Horizontal
3	2716.3600	44.23	-47.03	28.32	-69.74	-13.00	56.74	187	215	Horizontal
4	3395.4500	42.15	-46.55	29.44	-70.22	-13.00	57.22	162	149	Horizontal
5	4074.5400	42.58	-45.98	30.91	-67.74	-13.00	54.74	135	209	Horizontal
6	4753.6300	41.66	-45.71	32.18	-67.13	-13.00	54.13	251	1	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	1358.1800	44.85	-48.05	25.61	-72.85	-13.00	59.85	254	22	Vertical
2	2037.2700	44.46	-47.83	26.77	-71.86	-13.00	58.86	159	320	Vertical
3	2716.3600	43.12	-47.03	28.32	-70.85	-13.00	57.85	169	254	Vertical
4	3395.4500	42.63	-46.55	29.44	-69.74	-13.00	56.74	182	20	Vertical
5	4074.5400	41.64	-45.98	30.91	-68.68	-13.00	55.68	175	0	Vertical
6	4753.6300	41.78	-45.71	32.18	-67.01	-13.00	54.01	142	213	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) - Preamp (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

---End of Attachment---



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