

Test Band = LTE 4A\_5A\_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	1664.1800	29.60	-24.78	25.38	-65.07	-13.00	52.07	151	322	Horizontal
2	2496.2700	29.52	-23.54	27.76	-61.52	-13.00	48.52	216	322	Horizontal
3	3328.3600	43.02	-46.41	29.52	-69.13	-13.00	56.13	289	283	Horizontal
4	3447.1800	47.47	-46.27	29.47	-64.59	-13.00	51.59	177	255	Horizontal
5	5170.7700	41.93	-45.31	32.97	-65.66	-13.00	52.66	186	343	Horizontal
6	6894.3600	51.52	-44.10	35.95	-51.89	-13.00	38.89	235	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	1664.1800	29.21	-24.78	25.38	-65.46	-13.00	52.46	229	311	Vertical
2	2496.2700	29.08	-23.54	27.76	-61.96	-13.00	48.96	273	252	Vertical
3	3328.3600	43.65	-46.41	29.52	-68.50	-13.00	55.50	256	179	Vertical
4	3447.1800	48.82	-46.27	29.47	-63.24	-13.00	50.24	284	360	Vertical
5	5170.7700	43.21	-45.31	32.97	-64.38	-13.00	51.38	154	286	Vertical
6	6894.3600	56.46	-44.10	35.95	-46.95	-13.00	33.95	165	120	Vertical



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Wireless Laboratory

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Test Band = LTE 4A\_5A\_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	1679.1800	30.22	-24.75	25.38	-64.41	-13.00	51.41	217	145	Horizontal
2	2518.7700	29.63	-23.40	27.83	-61.20	-13.00	48.20	189	18	Horizontal
3	3358.3600	43.41	-46.35	29.48	-68.72	-13.00	55.72	256	353	Horizontal
4	3472.1800	48.89	-46.27	29.50	-63.14	-13.00	50.14	180	331	Horizontal
5	5208.2700	42.98	-45.26	32.98	-64.56	-13.00	51.56	209	60	Horizontal
6	6944.3600	52.76	-43.85	36.01	-50.34	-13.00	37.34	213	353	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	1679.1800	29.03	-24.75	25.38	-65.60	-13.00	52.60	293	263	Vertical
2	2518.7700	29.26	-23.40	27.83	-61.57	-13.00	48.57	187	263	Vertical
3	3358.3600	43.28	-46.35	29.48	-68.85	-13.00	55.85	306	194	Vertical
4	3472.1800	50.99	-46.27	29.50	-61.04	-13.00	48.04	249	73	Vertical
5	5208.2700	45.46	-45.26	32.98	-62.08	-13.00	49.08	161	299	Vertical
6	6944.3600	58.52	-43.85	36.01	-44.58	-13.00	31.58	240	118	Vertical



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**Test Band = LTE 4A\_7A\_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	3422.1800	51.81	-46.28	29.45	-60.28	-25.00	35.28	155	30	Horizontal
2	5133.2700	41.29	-45.34	32.95	-66.36	-25.00	41.36	237	268	Horizontal
3	6844.3600	55.86	-44.14	35.89	-47.65	-25.00	22.65	146	360	Horizontal
4	10004.3600	36.11	-39.23	38.50	-59.89	-25.00	34.89	289	360	Horizontal
5	12505.4500	34.01	-36.99	39.18	-59.06	-25.00	34.06	245	75	Horizontal
6	15006.5400	31.86	-34.65	39.21	-58.84	-25.00	33.84	186	329	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	3422.1800	54.80	-46.28	29.45	-57.29	-25.00	32.29	187	132	Vertical
2	5133.2700	43.18	-45.34	32.95	-64.47	-25.00	39.47	149	351	Vertical
3	6844.3600	60.25	-44.14	35.89	-43.26	-25.00	18.26	266	118	Vertical
4	10004.3600	35.80	-39.23	38.50	-60.20	-25.00	35.20	235	360	Vertical
5	12505.4500	33.23	-36.99	39.18	-59.84	-25.00	34.84	241	311	Vertical
6	15006.5400	32.09	-34.65	39.21	-58.61	-25.00	33.61	174	356	Vertical



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Test Band = LTE 4A\_7A\_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	3422.25	52.05	-46.28	29.45	-60.04	-25.00	35.04	174	43	Horizontal
2	4843.5	48.30	-45.54	32.44	-60.05	-25.00	35.05	288	43	Horizontal
3	6844.5	56.23	-44.14	35.89	-47.28	-25.00	22.28	131	357	Horizontal
4	10104.3600	35.16	-39.14	38.66	-60.58	-25.00	35.58	124	74	Horizontal
5	12630.4500	33.96	-37.33	39.33	-59.30	-25.00	34.30	186	360	Horizontal
6	15156.5400	31.22	-34.37	39.01	-59.40	-25.00	34.40	219	359	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	3422.25	55.41	-46.28	29.45	-56.68	-25.00	31.68	259	151	Vertical
2	4843.5	49.91	-45.54	32.44	-58.44	-25.00	33.44	271	226	Vertical
3	6844.5	61.69	-44.14	35.89	-41.82	-25.00	16.82	156	120	Vertical
4	10104.3600	35.20	-39.14	38.66	-60.54	-25.00	35.54	223	286	Vertical
5	12630.4500	33.86	-37.33	39.33	-59.40	-25.00	34.40	201	16	Vertical
6	15156.5400	31.55	-34.37	39.01	-59.07	-25.00	34.07	186	358	Vertical



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Test Band = LTE 4A\_7A\_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	3472.1800	48.69	-46.27	29.50	-63.34	-25.00	38.34	174	88	Horizontal
2	5208.2700	42.59	-45.26	32.98	-64.95	-25.00	39.95	189	3	Horizontal
3	6944.25	54.38	-43.86	36.01	-48.72	-25.00	23.72	100	351	Horizontal
4	10204.3600	35.34	-39.48	38.81	-60.59	-25.00	35.59	256	239	Horizontal
5	12755.4500	32.64	-36.76	39.55	-59.83	-25.00	34.83	287	103	Horizontal
6	15306.5400	31.05	-34.36	38.82	-59.75	-25.00	34.75	146	3	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	3472.1800	50.16	-46.27	29.50	-61.87	-25.00	36.87	199	133	Vertical
2	5208.2700	42.65	-45.26	32.98	-64.89	-25.00	39.89	143	328	Vertical
3	6944.25	59.38	-43.86	36.01	-43.72	-25.00	18.72	129	104	Vertical
4	10204.3600	34.95	-39.48	38.81	-60.98	-25.00	35.98	176	118	Vertical
5	12755.4500	32.87	-36.76	39.55	-59.60	-25.00	34.60	218	28	Vertical
6	15306.5400	31.60	-34.36	38.82	-59.20	-25.00	34.20	228	74	Vertical



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Test Band = LTE 4A\_12A\_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	1399.1800	28.30	-25.24	25.62	-66.58	-13.00	53.58	172	322	Horizontal
2	2098.7700	28.47	-24.20	26.99	-64.00	-13.00	51.00	203	322	Horizontal
3	2798.3600	28.43	-22.56	28.48	-60.92	-13.00	47.92	164	331	Horizontal
4	3422.1800	51.53	-46.28	29.45	-60.56	-13.00	47.56	289	44	Horizontal
5	5133.2700	40.55	-45.34	32.95	-67.10	-13.00	54.10	217	59	Horizontal
6	6844.3600	54.96	-44.14	35.89	-48.55	-13.00	35.55	128	358	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	1399.1800	27.61	-25.24	25.62	-67.27	-13.00	54.27	211	1	Vertical
2	2098.7700	27.94	-24.20	26.99	-64.53	-13.00	51.53	288	135	Vertical
3	2798.3600	28.03	-22.56	28.48	-61.32	-13.00	48.32	196	18	Vertical
4	3422.1800	55.62	-46.28	29.45	-56.47	-13.00	43.47	214	133	Vertical
5	5133.2700	41.93	-45.34	32.95	-65.72	-13.00	52.72	156	313	Vertical
6	6844.3600	59.39	-44.14	35.89	-44.12	-13.00	31.12	203	118	Vertical



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Test Band = LTE 4A\_12A\_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	1406.1800	28.58	-25.24	25.61	-66.30	-13.00	53.30	284	322	Horizontal
2	2109.2700	28.91	-24.19	27.02	-63.52	-13.00	50.52	153	282	Horizontal
3	2812.3600	27.95	-22.61	28.54	-61.39	-13.00	48.39	216	1	Horizontal
4	3447	50.03	-46.27	29.47	-62.03	-13.00	49.03	294	344	Horizontal
5	5170.7700	41.25	-45.31	32.97	-66.34	-13.00	53.34	175	352	Horizontal
6	6894.3600	50.77	-44.10	35.95	-52.64	-13.00	39.64	165	357	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	1406.1800	27.88	-25.24	25.61	-67.00	-13.00	54.00	177	134	Vertical
2	2109.2700	28.14	-24.19	27.02	-64.29	-13.00	51.29	285	28	Vertical
3	2812.3600	28.28	-22.61	28.54	-61.06	-13.00	48.06	195	0	Vertical
4	3447	50.96	-46.27	29.47	-61.10	-13.00	48.10	162	71	Vertical
5	5170.7700	41.26	-45.31	32.97	-66.33	-13.00	53.33	143	351	Vertical
6	6894	54.50	-44.10	35.95	-48.91	-13.00	35.91	201	265	Vertical



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Test Band = LTE 4A\_12A\_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	1413.1800	28.21	-25.23	25.60	-66.68	-13.00	53.68	259	47	Horizontal
2	2119.7700	28.61	-24.18	27.06	-63.77	-13.00	50.77	186	144	Horizontal
3	2826.3600	28.11	-22.67	28.60	-61.22	-13.00	48.22	263	350	Horizontal
4	3472.1800	48.79	-46.27	29.50	-63.24	-13.00	50.24	210	44	Horizontal
5	5208.2700	40.80	-45.26	32.98	-66.74	-13.00	53.74	277	287	Horizontal
6	6944.25	56.83	-43.86	36.01	-46.27	-13.00	33.27	156	358	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	1413.1800	28.04	-25.23	25.60	-66.85	-13.00	53.85	288	75	Vertical
2	2119.7700	27.89	-24.18	27.06	-64.49	-13.00	51.49	147	87	Vertical
3	2826.3600	27.70	-22.67	28.60	-61.63	-13.00	48.63	192	0	Vertical
4	3472.1800	49.14	-46.27	29.50	-62.89	-13.00	49.89	263	74	Vertical
5	5208.2700	42.90	-45.26	32.98	-64.64	-13.00	51.64	153	240	Vertical
6	6944.25	58.87	-43.86	36.01	-44.23	-13.00	31.23	207	269	Vertical



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Test Band = LTE 4A\_13A\_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	1554.6800	28.17	-25.03	25.41	-66.71	-13.00	53.71	209	47	Horizontal
2	2332.0200	27.73	-23.58	27.41	-63.70	-13.00	50.70	286	36	Horizontal
3	3109.3600	42.52	-46.23	29.53	-69.44	-13.00	56.44	235	16	Horizontal
4	3422.1800	42.48	-46.28	29.45	-69.61	-13.00	56.61	204	91	Horizontal
5	5133.2700	40.14	-45.34	32.95	-67.51	-13.00	54.51	152	136	Horizontal
6	6879.75	44.61	-44.11	35.94	-58.83	-13.00	45.83	169	75	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	1554.6800	27.07	-25.03	25.41	-67.81	-13.00	54.81	298	55	Vertical
2	2332.0200	27.77	-23.58	27.41	-63.66	-13.00	50.66	265	214	Vertical
3	3109.3600	42.09	-46.23	29.53	-69.87	-13.00	56.87	147	88	Vertical
4	3422.1800	41.48	-46.28	29.45	-70.61	-13.00	57.61	152	43	Vertical
5	5156.25	44.04	-45.32	32.97	-63.57	-13.00	50.57	260	43	Vertical
6	6861.75	49.01	-44.13	35.91	-54.46	-13.00	41.46	135	195	Vertical



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Wireless Laboratory

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Test Band = LTE 4A\_13A\_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	1559.6800	28.36	-25.02	25.40	-66.52	-13.00	53.52	229	4	Horizontal
2	2339.5200	27.94	-23.58	27.41	-63.49	-13.00	50.49	258	12	Horizontal
3	3119.3600	42.15	-46.17	29.55	-69.73	-13.00	56.73	165	88	Horizontal
4	3447.1800	42.33	-46.27	29.47	-69.73	-13.00	56.73	132	314	Horizontal
5	5170.7700	40.20	-45.31	32.97	-67.39	-13.00	54.39	274	224	Horizontal
6	6930	45.78	-43.94	36.00	-57.42	-13.00	44.42	151	74	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	1559.6800	27.54	-25.02	25.40	-67.34	-13.00	54.34	206	96	Vertical
2	2339.5200	27.92	-23.58	27.41	-63.51	-13.00	50.51	293	284	Vertical
3	3119.3600	41.87	-46.17	29.55	-70.01	-13.00	57.01	247	14	Vertical
4	3447.1800	41.85	-46.27	29.47	-70.21	-13.00	57.21	151	210	Vertical
5	5170.7700	40.34	-45.31	32.97	-67.25	-13.00	54.25	162	14	Vertical
6	6930	51.98	-43.94	36.00	-51.22	-13.00	38.22	285	196	Vertical



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**Test Band = LTE 4A\_13A\_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	1564.6800	27.89	-25.01	25.40	-66.98	-13.00	53.98	235	124	Horizontal
2	2347.0200	27.92	-23.58	27.41	-63.50	-13.00	50.50	260	282	Horizontal
3	3129.3600	42.06	-46.12	29.56	-69.75	-13.00	56.75	177	104	Horizontal
4	3472.1800	42.59	-46.27	29.50	-69.44	-13.00	56.44	196	60	Horizontal
5	5208.2700	41.13	-45.26	32.98	-66.41	-13.00	53.41	128	360	Horizontal
6	6944.3600	39.57	-43.85	36.01	-63.53	-13.00	50.53	251	283	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	1564.6800	26.93	-25.01	25.40	-67.94	-13.00	54.94	259	7	Vertical
2	2347.0200	27.66	-23.58	27.41	-63.76	-13.00	50.76	216	116	Vertical
3	3129.3600	42.41	-46.12	29.56	-69.40	-13.00	56.40	205	255	Vertical
4	3472.1800	42.10	-46.27	29.50	-69.93	-13.00	56.93	184	29	Vertical
5	5208.2700	40.45	-45.26	32.98	-67.09	-13.00	54.09	153	120	Vertical
6	6980.25	52.92	-43.66	36.06	-49.94	-13.00	36.94	249	352	Vertical



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Test Band = LTE 4A\_17A\_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	1409.1800	28.99	-25.23	25.61	-65.90	-13.00	52.90	171	61	Horizontal
2	2113.7700	51.22	-24.18	27.04	-41.19	-13.00	28.19	255	15	Horizontal
3	2818.3600	29.16	-22.63	28.56	-60.17	-13.00	47.17	161	91	Horizontal
4	3422.1800	43.07	-46.28	29.45	-69.02	-13.00	56.02	294	194	Horizontal
5	5133.2700	40.69	-45.34	32.95	-66.96	-13.00	53.96	185	341	Horizontal
6	6861.75	45.14	-44.13	35.91	-58.33	-13.00	45.33	162	90	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	1409.1800	28.96	-25.23	25.61	-65.93	-13.00	52.93	279	0	Vertical
2	2113.7700	46.13	-24.18	27.04	-46.28	-13.00	33.28	250	330	Vertical
3	2818.3600	28.93	-22.63	28.56	-60.40	-13.00	47.40	183	2	Vertical
4	3422.1800	42.35	-46.28	29.45	-69.74	-13.00	56.74	264	357	Vertical
5	5133.2700	40.91	-45.34	32.95	-66.74	-13.00	53.74	201	330	Vertical
6	6879.75	51.79	-44.11	35.94	-51.65	-13.00	38.65	143	209	Vertical



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Test Band = LTE 4A\_17A\_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	1411.1800	28.95	-25.23	25.60	-65.94	-13.00	52.94	216	1	Horizontal
2	2116.7700	29.42	-24.18	27.05	-62.97	-13.00	49.97	148	333	Horizontal
3	2822.3600	29.23	-22.65	28.58	-60.10	-13.00	47.10	290	7	Horizontal
4	3447.1800	43.02	-46.27	29.47	-69.04	-13.00	56.04	163	151	Horizontal
5	5170.7700	40.99	-45.31	32.97	-66.60	-13.00	53.60	257	73	Horizontal
6	6930	47.09	-43.94	36.00	-56.11	-13.00	43.11	189	73	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	1411.1800	28.75	-25.23	25.60	-66.14	-13.00	53.14	284	243	Vertical
2	2116.7700	29.33	-24.18	27.05	-63.06	-13.00	50.06	152	351	Vertical
3	2822.3600	28.90	-22.65	28.58	-60.43	-13.00	47.43	326	12	Vertical
4	3447.1800	42.65	-46.27	29.47	-69.41	-13.00	56.41	142	163	Vertical
5	5170.7700	41.73	-45.31	32.97	-65.86	-13.00	52.86	176	360	Vertical
6	6930	54.05	-43.94	36.00	-49.15	-13.00	36.15	208	194	Vertical



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Test Band = LTE 4A\_17A\_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	1413.1800	29.18	-25.23	25.60	-65.71	-13.00	52.71	221	1	Horizontal
2	2119.7700	29.45	-24.18	27.06	-62.93	-13.00	49.93	146	1	Horizontal
3	2826.3600	28.79	-22.67	28.60	-60.54	-13.00	47.54	293	330	Horizontal
4	3472.1800	43.57	-46.27	29.50	-68.46	-13.00	55.46	252	90	Horizontal
5	5208.2700	41.82	-45.26	32.98	-65.72	-13.00	52.72	146	239	Horizontal
6	6980.25	48.71	-43.66	36.06	-54.15	-13.00	41.15	207	75	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	1413.1800	29.17	-25.23	25.60	-65.72	-13.00	52.72	308	1	Vertical
2	2119.7700	29.07	-24.18	27.06	-63.31	-13.00	50.31	159	0	Vertical
3	2826.3600	28.71	-22.67	28.60	-60.62	-13.00	47.62	274	37	Vertical
4	3472.1800	43.43	-46.27	29.50	-68.60	-13.00	55.60	188	299	Vertical
5	5208.2700	42.09	-45.26	32.98	-65.45	-13.00	52.45	165	360	Vertical
6	6980.25	53.75	-43.66	36.06	-49.11	-13.00	36.11	201	342	Vertical



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Test Band = LTE 4A\_38A\_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	3422.1800	42.28	-46.28	29.45	-69.81	-25.00	44.81	147	352	Horizontal
2	5133.2700	41.09	-45.34	32.95	-66.56	-25.00	41.56	215	357	Horizontal
3	6861.75	46.27	-44.13	35.91	-57.20	-25.00	32.20	203	90	Horizontal
4	10284.3600	35.65	-39.15	38.83	-59.93	-25.00	34.93	196	59	Horizontal
5	12855.4500	33.05	-36.99	39.69	-59.51	-25.00	34.51	284	299	Horizontal
6	15426.5400	31.65	-33.99	38.67	-58.93	-25.00	33.93	156	359	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	3422.1800	42.03	-46.28	29.45	-70.06	-25.00	45.06	211	269	Vertical
2	5133.2700	40.52	-45.34	32.95	-67.13	-25.00	42.13	199	150	Vertical
3	6879.75	51.08	-44.11	35.94	-52.36	-25.00	27.36	286	195	Vertical
4	10284.3600	34.87	-39.15	38.83	-60.71	-25.00	35.71	232	74	Vertical
5	12855.4500	33.14	-36.99	39.69	-59.42	-25.00	34.42	147	300	Vertical
6	15426.5400	31.50	-33.99	38.67	-59.08	-25.00	34.08	156	46	Vertical



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Test Band = LTE 4A\_38A\_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	3447.1800	42.92	-46.27	29.47	-69.14	-25.00	44.14	226	208	Horizontal
2	5170.7700	41.43	-45.31	32.97	-66.16	-25.00	41.16	234	313	Horizontal
3	6930	47.15	-43.94	36.00	-56.05	-25.00	31.05	182	73	Horizontal
4	10344.3600	35.54	-39.05	38.85	-59.93	-25.00	34.93	165	225	Horizontal
5	12930.4500	32.47	-37.18	39.76	-60.21	-25.00	35.21	209	44	Horizontal
6	15516.5400	30.69	-35.30	38.55	-61.32	-25.00	36.32	156	179	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	3447.1800	42.75	-46.27	29.47	-69.31	-25.00	44.31	289	148	Vertical
2	5170.7700	41.92	-45.31	32.97	-65.67	-25.00	40.67	167	60	Vertical
3	6930	53.69	-43.94	36.00	-49.51	-25.00	24.51	253	195	Vertical
4	10344.3600	35.22	-39.05	38.85	-60.25	-25.00	35.25	192	209	Vertical
5	12930.4500	33.06	-37.18	39.76	-59.62	-25.00	34.62	162	359	Vertical
6	15516.5400	30.80	-35.30	38.55	-61.21	-25.00	36.21	244	14	Vertical



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Test Band = LTE 4A\_38A\_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	3472.1800	43.10	-46.27	29.50	-68.93	-25.00	43.93	178	357	Horizontal
2	5208.2700	42.19	-45.26	32.98	-65.35	-25.00	40.35	321	360	Horizontal
3	6980.25	47.92	-43.66	36.06	-54.94	-25.00	29.94	156	75	Horizontal
4	10404.3600	34.84	-39.00	38.86	-60.56	-25.00	35.56	305	30	Horizontal
5	13005.4500	32.78	-37.31	39.83	-59.96	-25.00	34.96	214	212	Horizontal
6	15606.5400	31.35	-34.87	38.43	-60.35	-25.00	35.35	198	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	3472.1800	43.71	-46.27	29.50	-68.32	-25.00	43.32	209	149	Vertical
2	5208.2700	41.57	-45.26	32.98	-65.97	-25.00	40.97	268	60	Vertical
3	6980.25	53.61	-43.66	36.06	-49.25	-25.00	24.25	249	195	Vertical
4	10404.3600	34.54	-39.00	38.86	-60.86	-25.00	35.86	153	314	Vertical
5	13005.4500	31.76	-37.31	39.83	-60.98	-25.00	35.98	214	224	Vertical
6	15606.5400	31.62	-34.87	38.43	-60.08	-25.00	35.08	227	45	Vertical



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Test Band = LTE 4A\_41A\_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	3422.1800	52.35	-46.28	29.45	-59.74	-25.00	34.74	174	59	Horizontal
2	5133.2700	41.42	-45.34	32.95	-66.23	-25.00	41.23	268	287	Horizontal
3	6844.3600	54.56	-44.14	35.89	-48.95	-25.00	23.95	193	75	Horizontal
4	12485.4500	33.24	-37.04	39.16	-59.90	-25.00	34.90	265	44	Horizontal
5	14982.5400	32.46	-34.64	39.26	-58.18	-25.00	33.18	182	196	Horizontal
6	17479.6300	32.83	-35.10	39.13	-58.40	-25.00	33.40	203	151	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	3422.1800	55.04	-46.28	29.45	-57.05	-25.00	32.05	205	301	Vertical
2	5133	46.10	-45.34	32.95	-61.55	-25.00	36.55	177	44	Vertical
3	6844.3600	60.51	-44.14	35.89	-43.00	-25.00	18.00	255	196	Vertical
4	12485.4500	33.04	-37.04	39.16	-60.10	-25.00	35.10	142	30	Vertical
5	14982.5400	31.51	-34.64	39.26	-59.13	-25.00	34.13	169	360	Vertical
6	17479.6300	32.92	-35.10	39.13	-58.31	-25.00	33.31	258	4	Vertical



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Test Band = LTE 4A\_41A\_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	3447	51.41	-46.27	29.47	-60.65	-25.00	35.65	198	59	Horizontal
2	5170.7700	42.08	-45.31	32.97	-65.51	-25.00	40.51	283	360	Horizontal
3	6894	52.21	-44.10	35.95	-51.20	-25.00	26.20	265	240	Horizontal
4	9654.75	37.87	-39.54	38.38	-58.55	-25.00	33.55	141	105	Horizontal
5	12920.4500	33.06	-37.16	39.75	-59.61	-25.00	34.61	201	105	Horizontal
6	15504.5400	31.51	-35.35	38.57	-60.53	-25.00	35.53	153	352	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	3447	51.89	-46.27	29.47	-60.17	-25.00	35.17	274	90	Vertical
2	5170.5	45.96	-45.31	32.97	-61.63	-25.00	36.63	132	43	Vertical
3	6894	57.57	-44.10	35.95	-45.84	-25.00	20.84	142	195	Vertical
4	10527	36.43	-38.71	38.99	-58.55	-25.00	33.55	199	360	Vertical
5	12920.4500	33.09	-37.16	39.75	-59.58	-25.00	34.58	264	29	Vertical
6	15504.5400	32.21	-35.35	38.57	-59.83	-25.00	34.83	175	352	Vertical



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Test Band = LTE 4A\_41A\_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	3472.1800	50.98	-46.27	29.50	-61.05	-25.00	36.05	154	59	Horizontal
2	5208.2700	42.15	-45.26	32.98	-65.39	-25.00	40.39	253	360	Horizontal
3	6944.25	54.95	-43.86	36.01	-48.15	-25.00	23.15	129	88	Horizontal
4	10701	35.64	-37.89	39.14	-58.37	-25.00	33.37	268	104	Horizontal
5	13355.4500	33.08	-36.56	40.10	-58.64	-25.00	33.64	145	238	Horizontal
6	16026.5400	32.49	-34.85	37.83	-59.80	-25.00	34.80	261	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	3472.1800	49.25	-46.27	29.50	-62.78	-25.00	37.78	274	183	Vertical
2	5208.2700	44.10	-45.26	32.98	-63.44	-25.00	38.44	155	360	Vertical
3	6944.3600	59.69	-43.85	36.01	-43.41	-25.00	18.41	163	197	Vertical
4	8680.5	42.47	-41.62	37.88	-56.53	-25.00	31.53	203	183	Vertical
5	13355.4500	32.92	-36.56	40.10	-58.80	-25.00	33.80	129	44	Vertical
6	16026.5400	32.38	-34.85	37.83	-59.91	-25.00	34.91	241	287	Vertical



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**Test Band = LTE 4A\_66A\_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	3422.1800	52.92	-46.28	29.45	-59.17	-13.00	46.17	285	118	Horizontal
2	5133.2700	42.65	-45.34	32.95	-65.00	-13.00	52.00	114	269	Horizontal
3	6844.3600	54.30	-44.14	35.89	-49.21	-13.00	36.21	163	87	Horizontal
4	8510.4500	38.39	-41.59	37.56	-60.90	-13.00	47.90	258	360	Horizontal
5	10212.5400	35.57	-39.45	38.81	-60.32	-13.00	47.32	192	208	Horizontal
6	11914.6300	33.24	-37.18	38.88	-60.32	-13.00	47.32	228	237	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	3422.1800	54.57	-46.28	29.45	-57.52	-13.00	44.52	189	331	Vertical
2	5133.2700	44.30	-45.34	32.95	-63.35	-13.00	50.35	266	360	Vertical
3	6844.3600	62.35	-44.14	35.89	-41.16	-13.00	28.16	295	182	Vertical
4	8510.4500	39.00	-41.59	37.56	-60.29	-13.00	47.29	284	44	Vertical
5	10212.5400	35.18	-39.45	38.81	-60.71	-13.00	47.71	152	148	Vertical
6	11914.6300	33.14	-37.18	38.88	-60.42	-13.00	47.42	206	240	Vertical



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Test Band = LTE 4A\_66A\_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	3447	51.69	-46.27	29.47	-60.37	-13.00	47.37	247	108	Horizontal
2	5170.7700	43.01	-45.31	32.97	-64.58	-13.00	51.58	188	151	Horizontal
3	6894.3600	54.24	-44.10	35.95	-49.17	-13.00	36.17	159	76	Horizontal
4	8618.25	40.38	-41.40	37.78	-58.50	-13.00	45.50	163	76	Horizontal
5	10362.5400	34.89	-39.04	38.85	-60.56	-13.00	47.56	332	122	Horizontal
6	12089.6300	32.85	-37.37	39.04	-60.74	-13.00	47.74	150	210	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	3447	54.39	-46.27	29.47	-57.67	-13.00	44.67	208	178	Vertical
2	5170.5	47.68	-45.31	32.97	-59.91	-13.00	46.91	306	60	Vertical
3	6894.3600	59.31	-44.10	35.95	-44.10	-13.00	31.10	296	195	Vertical
4	8618.25	43.89	-41.40	37.78	-54.99	-13.00	41.99	247	164	Vertical
5	10362.5400	34.76	-39.04	38.85	-60.69	-13.00	47.69	183	103	Vertical
6	12089.6300	32.83	-37.37	39.04	-60.76	-13.00	47.76	268	351	Vertical



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Test Band = LTE 4A\_66A\_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	3472.1800	48.67	-46.27	29.50	-63.36	-13.00	50.36	292	60	Horizontal
2	5208	44.53	-45.26	32.98	-63.01	-13.00	50.01	183	257	Horizontal
3	6944.25	58.32	-43.86	36.01	-44.78	-13.00	31.78	165	74	Horizontal
4	8760.4500	38.11	-41.42	38.02	-60.56	-13.00	47.56	228	344	Horizontal
5	10512.5400	35.05	-38.76	38.97	-60.00	-13.00	47.00	159	166	Horizontal
6	12262.6300	33.40	-37.44	39.11	-60.19	-13.00	47.19	206	16	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	3472.1800	51.10	-46.27	29.50	-60.93	-13.00	47.93	244	224	Vertical
2	5208	47.00	-45.26	32.98	-60.54	-13.00	47.54	263	43	Vertical
3	6944.25	62.10	-43.86	36.01	-41.00	-13.00	28.00	194	344	Vertical
4	8760.4500	38.40	-41.42	38.02	-60.27	-13.00	47.27	146	148	Vertical
5	10512.5400	34.53	-38.76	38.97	-60.52	-13.00	47.52	131	360	Vertical
6	12262.6300	32.79	-37.44	39.11	-60.80	-13.00	47.80	205	283	Vertical



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Test Band = LTE 4A\_71A\_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	3320.4500	43.03	-46.42	29.53	-69.12	-13.00	56.12	158	178	Horizontal
2	3422.1800	52.19	-46.28	29.45	-59.90	-13.00	46.90	239	330	Horizontal
3	3984.5400	42.22	-46.08	30.76	-68.35	-13.00	55.35	147	359	Horizontal
4	4648.6300	41.93	-45.64	31.86	-67.11	-13.00	54.11	286	149	Horizontal
5	5133.2700	43.33	-45.34	32.95	-64.32	-13.00	51.32	136	270	Horizontal
6	6844.3600	57.97	-44.14	35.89	-45.54	-13.00	32.54	241	73	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	3320.4500	43.32	-46.42	29.53	-68.83	-13.00	55.83	189	360	Vertical
2	3422.1800	56.49	-46.28	29.45	-55.60	-13.00	42.60	226	75	Vertical
3	3984.5400	41.75	-46.08	30.76	-68.82	-13.00	55.82	175	316	Vertical
4	4648.6300	41.35	-45.64	31.86	-67.69	-13.00	54.69	321	360	Vertical
5	5133.2700	45.91	-45.34	32.95	-61.74	-13.00	48.74	241	360	Vertical
6	6844.3600	63.19	-44.14	35.89	-40.32	-13.00	27.32	158	180	Vertical



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Test Band = LTE 4A\_71A\_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	3370.4500	42.78	-46.33	29.47	-69.35	-13.00	56.35	215	197	Horizontal
2	3447	52.07	-46.27	29.47	-59.99	-13.00	46.99	158	335	Horizontal
3	4044.5400	41.72	-45.91	30.87	-68.59	-13.00	55.59	257	61	Horizontal
4	4718.6300	41.57	-45.59	32.07	-67.21	-13.00	54.21	143	360	Horizontal
5	5170.7700	42.50	-45.31	32.97	-65.09	-13.00	52.09	278	152	Horizontal
6	6894.3600	51.71	-44.10	35.95	-51.70	-13.00	38.70	188	258	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	3370.4500	43.06	-46.33	29.47	-69.07	-13.00	56.07	255	166	Vertical
2	3447	53.47	-46.27	29.47	-58.59	-13.00	45.59	172	180	Vertical
3	4044.5400	42.64	-45.91	30.87	-67.67	-13.00	54.67	262	180	Vertical
4	4718.6300	41.79	-45.59	32.07	-66.99	-13.00	53.99	148	360	Vertical
5	5170.7700	45.72	-45.31	32.97	-61.87	-13.00	48.87	299	43	Vertical
6	6894.3600	58.33	-44.10	35.95	-45.08	-13.00	32.08	306	197	Vertical



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Test Band = LTE 4A\_71A\_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	3395.4500	42.50	-46.29	29.44	-69.61	-13.00	56.61	247	357	Horizontal
2	3472.1800	49.97	-46.27	29.50	-62.06	-13.00	49.06	166	60	Horizontal
3	4074.5400	42.23	-45.83	30.91	-67.95	-13.00	54.95	243	117	Horizontal
4	4753.6300	41.50	-45.57	32.18	-67.15	-13.00	54.15	197	359	Horizontal
5	5208.2700	42.55	-45.26	32.98	-64.99	-13.00	51.99	208	255	Horizontal
6	6944.25	56.99	-43.86	36.01	-46.11	-13.00	33.11	298	283	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	3395.4500	42.37	-46.29	29.44	-69.74	-13.00	56.74	287	4	Vertical
2	3472.1800	50.86	-46.27	29.50	-61.17	-13.00	48.17	149	164	Vertical
3	4074.5400	42.33	-45.83	30.91	-67.85	-13.00	54.85	264	318	Vertical
4	4753.6300	41.30	-45.57	32.18	-67.35	-13.00	54.35	141	30	Vertical
5	5208	48.11	-45.26	32.98	-59.43	-13.00	46.43	158	46	Vertical
6	6944.25	62.47	-43.86	36.01	-40.63	-13.00	27.63	162	332	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



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## Frequency Stability

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	-3.70	-0.002136	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	-4.60	-0.002655	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	-0.90	-0.000519	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	4.10	0.002367	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	-1.90	-0.001097	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	-2.40	-0.001385	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	-2.40	-0.001385	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	-3.70	-0.002136	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	-3.80	-0.002193	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	-3.30	-0.001905	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	-2.60	-0.001501	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	-6.30	-0.003636	PASS

---End of Attachment---



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