

Test Band = LTE 25A_26A_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	1669.6800	29.61	-24.77	25.38	-65.05	-13.00	52.05	249	37	Horizontal
2	2504.5200	29.22	-23.51	27.79	-61.76	-13.00	48.76	288	47	Horizontal
3	3339.3600	42.68	-46.39	29.51	-69.46	-13.00	56.46	165	14	Horizontal
4	3792	50.25	-45.89	30.30	-60.60	-13.00	47.60	283	194	Horizontal
5	5688	53.91	-44.88	33.34	-52.89	-13.00	39.89	132	194	Horizontal
6	7584.3600	50.24	-42.96	36.40	-51.58	-13.00	38.58	205	253	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	1669.6800	27.55	-24.77	25.38	-67.11	-13.00	54.11	219	172	Vertical
2	2504.5200	27.99	-23.51	27.79	-62.99	-13.00	49.99	276	0	Vertical
3	3339.3600	41.99	-46.39	29.51	-70.15	-13.00	57.15	164	209	Vertical
4	3792	55.62	-45.89	30.30	-55.23	-13.00	42.23	201	180	Vertical
5	5688	61.30	-44.88	33.34	-45.50	-13.00	32.50	134	209	Vertical
6	7584.3600	58.39	-42.96	36.40	-43.43	-13.00	30.43	279	209	Vertical



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Wireless Laboratory

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Test Band = LTE 25A_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	3702	55.34	-45.51	29.98	-55.45	-25.00	30.45	241	273	Horizontal
2	5553.2700	59.55	-45.15	32.97	-47.89	-25.00	22.89	156	256	Horizontal
3	7404.3600	62.81	-43.40	36.49	-39.36	-25.00	14.36	284	92	Horizontal
4	9988.3600	36.33	-39.25	38.47	-59.71	-25.00	34.71	163	4	Horizontal
5	12485.4500	34.26	-37.04	39.16	-58.88	-25.00	33.88	203	228	Horizontal
6	14982.5400	33.08	-34.64	39.26	-57.56	-25.00	32.56	155	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	3702.1800	54.74	-45.51	29.98	-56.05	-25.00	31.05	257	256	Vertical
2	5553.2700	59.99	-45.15	32.97	-47.45	-25.00	22.45	148	360	Vertical
3	7404.3600	66.04	-43.40	36.49	-36.13	-25.00	11.13	263	178	Vertical
4	9988.3600	36.58	-39.25	38.47	-59.46	-25.00	34.46	205	43	Vertical
5	12485.4500	34.44	-37.04	39.16	-58.70	-25.00	33.70	198	104	Vertical
6	14982.5400	33.24	-34.64	39.26	-57.40	-25.00	32.40	299	342	Vertical



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Test Band = LTE 25A_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	3742.1800	50.65	-45.68	30.12	-60.17	-25.00	35.17	257	194	Horizontal
2	5613	60.16	-45.04	33.07	-47.07	-25.00	22.07	188	254	Horizontal
3	7484.25	64.76	-43.18	36.45	-37.23	-25.00	12.23	264	90	Horizontal
4	10336.3600	35.79	-39.06	38.84	-59.69	-25.00	34.69	172	255	Horizontal
5	12920.4500	35.66	-37.16	39.75	-57.01	-25.00	32.01	138	344	Horizontal
6	15504.5400	32.74	-35.35	38.57	-59.30	-25.00	34.30	214	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	3742.1800	52.67	-45.68	30.12	-58.15	-25.00	33.15	201	179	Vertical
2	5613	63.05	-45.04	33.07	-44.18	-25.00	19.18	158	196	Vertical
3	7484.25	63.27	-43.18	36.45	-38.72	-25.00	13.72	298	179	Vertical
4	10336.3600	35.74	-39.06	38.84	-59.74	-25.00	34.74	176	194	Vertical
5	12920.4500	33.78	-37.16	39.75	-58.89	-25.00	33.89	236	74	Vertical
6	15504.5400	33.58	-35.35	38.57	-58.46	-25.00	33.46	129	360	Vertical



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Test Band = LTE 25A_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	3792	52.57	-45.89	30.30	-58.28	-25.00	33.28	247	245	Horizontal
2	5688	64.56	-44.88	33.34	-42.24	-25.00	17.24	188	347	Horizontal
3	7584.3600	59.92	-42.96	36.40	-41.90	-25.00	16.90	256	288	Horizontal
4	10510.3600	35.26	-38.77	38.97	-59.79	-25.00	34.79	239	90	Horizontal
5	13137.9500	33.47	-37.08	39.89	-58.97	-25.00	33.97	214	239	Horizontal
6	15765.5400	31.53	-33.25	38.24	-58.73	-25.00	33.73	158	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	3792	59.49	-45.89	30.30	-51.36	-25.00	26.36	205	179	Vertical
2	5688	65.84	-44.88	33.34	-40.96	-25.00	15.96	149	360	Vertical
3	7584.3600	63.92	-42.96	36.40	-37.90	-25.00	12.90	266	208	Vertical
4	10510.3600	35.22	-38.77	38.97	-59.83	-25.00	34.83	219	4	Vertical
5	13137.9500	33.67	-37.08	39.89	-58.77	-25.00	33.77	206	360	Vertical
6	15765.5400	31.80	-33.25	38.24	-58.46	-25.00	33.46	153	30	Vertical



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Test Band = LTE 25A_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	3702	53.08	-45.51	29.98	-57.71	-13.00	44.71	177	195	Horizontal
2	5553	51.12	-45.15	32.97	-56.32	-13.00	43.32	249	150	Horizontal
3	7404	57.42	-43.40	36.49	-44.75	-13.00	31.75	165	105	Horizontal
4	8510.4500	37.15	-41.59	37.56	-62.14	-13.00	49.14	284	270	Horizontal
5	10212.5400	34.20	-39.45	38.81	-61.69	-13.00	48.69	145	344	Horizontal
6	11914.6300	32.68	-37.18	38.88	-60.88	-13.00	47.88	206	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	3702	56.11	-45.51	29.98	-54.68	-13.00	41.68	127	132	Vertical
2	5553	57.00	-45.15	32.97	-50.44	-13.00	37.44	265	351	Vertical
3	7404.3600	61.73	-43.40	36.49	-40.44	-13.00	27.44	289	3	Vertical
4	8510.4500	37.68	-41.59	37.56	-61.61	-13.00	48.61	205	13	Vertical
5	10212.5400	35.09	-39.45	38.81	-60.80	-13.00	47.80	146	42	Vertical
6	11914.6300	32.46	-37.18	38.88	-61.10	-13.00	48.10	133	13	Vertical



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Test Band = LTE 25A_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	3742.1800	48.19	-45.68	30.12	-62.63	-13.00	49.63	248	179	Horizontal
2	5613	51.73	-45.04	33.07	-55.50	-13.00	42.50	156	195	Horizontal
3	7484.25	55.27	-43.18	36.45	-46.72	-13.00	33.72	243	105	Horizontal
4	8635.4500	38.58	-41.46	37.81	-60.33	-13.00	47.33	162	284	Horizontal
5	10362.5400	34.38	-39.04	38.85	-61.07	-13.00	48.07	236	90	Horizontal
6	12089.6300	33.26	-37.37	39.04	-60.33	-13.00	47.33	287	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	3742.1800	52.47	-45.68	30.12	-58.35	-13.00	45.35	201	136	Vertical
2	5613	60.32	-45.04	33.07	-46.91	-13.00	33.91	255	353	Vertical
3	7484.25	62.58	-43.18	36.45	-39.41	-13.00	26.41	139	195	Vertical
4	8635.4500	37.91	-41.46	37.81	-61.00	-13.00	48.00	157	165	Vertical
5	10362.5400	34.76	-39.04	38.85	-60.69	-13.00	47.69	211	16	Vertical
6	12089.6300	33.42	-37.37	39.04	-60.17	-13.00	47.17	129	195	Vertical



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Test Band = LTE 25A_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	3792	53.79	-45.89	30.30	-57.06	-13.00	44.06	302	284	Horizontal
2	5688	59.36	-44.88	33.34	-47.44	-13.00	34.44	269	341	Horizontal
3	7584.3600	58.72	-42.96	36.40	-43.10	-13.00	30.10	216	299	Horizontal
4	8760.4500	38.02	-41.42	38.02	-60.65	-13.00	47.65	228	29	Horizontal
5	10512.5400	33.94	-38.76	38.97	-61.11	-13.00	48.11	197	284	Horizontal
6	12262.6300	33.36	-37.44	39.11	-60.23	-13.00	47.23	138	194	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	3792	59.43	-45.89	30.30	-51.42	-13.00	38.42	207	179	Vertical
2	5688	63.19	-44.88	33.34	-43.61	-13.00	30.61	162	360	Vertical
3	7584.3600	60.70	-42.96	36.40	-41.12	-13.00	28.12	209	30	Vertical
4	8760.4500	37.85	-41.42	38.02	-60.82	-13.00	47.82	216	360	Vertical
5	10512.5400	33.74	-38.76	38.97	-61.31	-13.00	48.31	130	329	Vertical
6	12262.6300	32.67	-37.44	39.11	-60.92	-13.00	47.92	243	360	Vertical



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Test Band = LTE 25A_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	1328.1800	27.59	-24.80	25.61	-66.86	-13.00	53.86	131	47	Horizontal
2	1992.2700	28.71	-24.48	26.60	-64.43	-13.00	51.43	256	47	Horizontal
3	2656.3600	28.96	-22.84	28.21	-60.93	-13.00	47.93	187	62	Horizontal
4	3702	54.29	-45.51	29.98	-56.50	-13.00	43.50	146	268	Horizontal
5	5553	56.66	-45.15	32.97	-50.78	-13.00	37.78	291	352	Horizontal
6	7404.3600	62.59	-43.40	36.49	-39.58	-13.00	26.58	302	284	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	27.55	-24.80	25.61	-66.90	-13.00	53.90	248	282	Vertical
2	1992.2700	28.01	-24.48	26.60	-65.13	-13.00	52.13	189	272	Vertical
3	2656.3600	28.86	-22.84	28.21	-61.03	-13.00	48.03	244	10	Vertical
4	3702	59.31	-45.51	29.98	-51.48	-13.00	38.48	152	178	Vertical
5	5553	60.37	-45.15	32.97	-47.07	-13.00	34.07	209	360	Vertical
6	7404.3600	65.83	-43.40	36.49	-36.34	-13.00	23.34	136	207	Vertical



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Test Band = LTE 25A_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	1348.1800	28.18	-24.92	25.61	-66.39	-13.00	53.39	177	24	Horizontal
2	2022.2700	29.40	-24.41	26.72	-63.55	-13.00	50.55	184	54	Horizontal
3	2696.3600	28.77	-22.85	28.28	-61.06	-13.00	48.06	259	35	Horizontal
4	3742.1800	51.12	-45.68	30.12	-59.70	-13.00	46.70	213	192	Horizontal
5	5613	57.83	-45.04	33.07	-49.40	-13.00	36.40	299	352	Horizontal
6	7484.25	62.35	-43.18	36.45	-39.64	-13.00	26.64	182	298	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	27.76	-24.92	25.61	-66.81	-13.00	53.81	151	105	Vertical
2	2022.2700	28.39	-24.41	26.72	-64.56	-13.00	51.56	269	262	Vertical
3	2696.3600	28.37	-22.85	28.28	-61.46	-13.00	48.46	157	124	Vertical
4	3742.1800	56.57	-45.68	30.12	-54.25	-13.00	41.25	211	209	Vertical
5	5613	61.11	-45.04	33.07	-46.12	-13.00	33.12	140	360	Vertical
6	7484.25	66.32	-43.18	36.45	-35.67	-13.00	22.67	315	3	Vertical



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 Wireless Laboratory

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 sgs.china@sgs.com

Test Band = LTE 25A_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	1358.1800	28.60	-24.98	25.61	-66.03	-13.00	53.03	144	55	Horizontal
2	2037.2700	29.89	-24.37	26.77	-62.97	-13.00	49.97	219	44	Horizontal
3	2716.3600	28.75	-22.80	28.32	-60.99	-13.00	47.99	207	55	Horizontal
4	3792	53.12	-45.89	30.30	-57.73	-13.00	44.73	168	286	Horizontal
5	5688	60.62	-44.88	33.34	-46.18	-13.00	33.18	213	352	Horizontal
6	7584.3600	57.50	-42.96	36.40	-44.32	-13.00	31.32	138	286	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	28.03	-24.98	25.61	-66.60	-13.00	53.60	259	262	Vertical
2	2037.2700	28.53	-24.37	26.77	-64.33	-13.00	51.33	134	3	Vertical
3	2716.3600	28.55	-22.80	28.32	-61.19	-13.00	48.19	166	35	Vertical
4	3792	59.40	-45.89	30.30	-51.45	-13.00	38.45	224	164	Vertical
5	5688	63.19	-44.88	33.34	-43.61	-13.00	30.61	154	360	Vertical
6	7584.3600	62.29	-42.96	36.40	-39.53	-13.00	26.53	125	209	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
Band25	20MHz	QPSK	26365	100RB#0	VL	NT	-2.60	-0.001381	PASS
Band25	20MHz	QPSK	26365	100RB#0	VN	NT	-10.10	-0.005365	PASS
Band25	20MHz	QPSK	26365	100RB#0	VH	NT	-9.10	-0.004834	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band25	20MHz	QPSK	26365	100RB#0	NV	-30	-1.50	-0.000797	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-20	-0.60	-0.000319	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-10	-6.60	-0.003506	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	0	0.90	0.000478	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	10	-5.30	-0.002815	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	20	-0.20	-0.000106	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	30	1.60	0.000850	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	40	4.20	0.002231	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	50	-1.30	-0.000691	PASS

---End of Attachment---



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