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Test Band = WCDMA II_ TM1
Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3815.2000	40.83	-45.97	30.37	-70.04	-13.00	57.04	256	29	Horizontal
2	4920.75	42.52	-45.55	32.66	-65.63	-13.00	52.63	236	359	Horizontal
3	5722.8000	39.95	-44.83	33.47	-66.67	-13.00	53.67	145	240	Horizontal
4	7630.0000	38.27	-42.99	36.45	-63.53	-13.00	50.53	290	29	Horizontal
5	9538.0000	34.43	-40.01	38.46	-62.39	-13.00	49.39	155	29	Horizontal
6	11445.600	31.60	-37.34	39.06	-61.94	-13.00	48.94	180	59	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	3815.2000	40.74	-45.97	30.37	-70.13	-13.00	57.13	222	267	Vertical
2	4936.5	42.36	-45.57	32.70	-65.77	-13.00	52.77	146	104	Vertical
3	5722.8000	39.93	-44.83	33.47	-66.69	-13.00	53.69	251	14	Vertical
4	7630.0000	38.63	-42.99	36.45	-63.17	-13.00	50.17	185	192	Vertical
5	9538.0000	33.64	-40.01	38.46	-63.18	-13.00	50.18	136	252	Vertical
6	11445.600	31.25	-37.34	39.06	-62.29	-13.00	49.29	266	29	Vertical



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Test Band = WCDMA IV_ TM1
Test Channel = Low Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3424.8	49.97	-111.70	-61.73	-13.00	48.73	263	346	Horizontal
2	5137.2	48.84	-106.90	-58.06	-13.00	45.06	241	283	Horizontal
3	6849.6	48.02	-101.86	-53.84	-13.00	40.84	176	249	Horizontal
4	8562	48.22	-96.84	-48.62	-13.00	35.62	284	346	Horizontal
5	10274.4	43.76	-93.22	-49.46	-13.00	36.46	177	167	Horizontal
6	11986.8	42.79	-91.99	-49.20	-13.00	36.20	268	331	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3424.8	51.41	-111.70	-60.29	-13.00	47.29	263	68	Vertical
2	5137.2	49.43	-106.90	-57.47	-13.00	44.47	241	148	Vertical
3	6849.6	48.40	-101.86	-53.46	-13.00	40.46	176	18	Vertical
4	8562	46.14	-96.84	-50.70	-13.00	37.70	284	296	Vertical
5	10274.4	42.40	-93.22	-50.82	-13.00	37.82	177	265	Vertical
6	11986.8	42.98	-91.99	-49.01	-13.00	36.01	266	279	Vertical



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Test Band = WCDMA IV_ TM1
Test Channel = Mid Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3465.2	50.74	-111.62	-60.88	-13.00	47.88	263	329	Horizontal
2	5197.8	50.46	-106.81	-56.35	-13.00	43.35	241	357	Horizontal
3	6930.4	47.96	-101.68	-53.72	-13.00	40.72	176	31	Horizontal
4	8663	46.08	-96.57	-50.49	-13.00	37.49	264	31	Horizontal
5	10395.6	42.16	-92.81	-50.65	-13.00	37.65	186	1	Horizontal
6	12128.2	42.83	-91.73	-48.90	-13.00	35.90	299	83	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3465.2	50.13	-111.62	-61.49	-13.00	48.49	211	130	Vertical
2	5197.8	49.01	-106.81	-57.80	-13.00	44.80	142	213	Vertical
3	6930.4	47.81	-101.68	-53.87	-13.00	40.87	263	312	Vertical
4	8663	46.56	-96.57	-50.01	-13.00	37.01	244	17	Vertical
5	10395.6	42.62	-92.81	-50.19	-13.00	37.19	177	230	Vertical
6	12128.2	42.37	-91.73	-49.36	-13.00	36.36	166	357	Vertical



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Test Band = WCDMA IV_ TM1
Test Channel = High Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3505.2	50.00	-111.51	-61.51	-13.00	48.51	263	217	Horizontal
2	5257.8	51.09	-106.73	-55.64	-13.00	42.64	254	184	Horizontal
3	7010.4	47.71	-101.63	-53.92	-13.00	40.92	177	217	Horizontal
4	8763	47.64	-96.13	-48.49	-13.00	35.49	156	0	Horizontal
5	10515.6	42.36	-92.55	-50.19	-13.00	37.19	264	118	Horizontal
6	12268.2	42.91	-91.51	-48.60	-13.00	35.60	177	357	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3505.2	50.60	-111.51	-60.91	-13.00	47.91	263	81	Vertical
2	5257.8	51.03	-106.73	-55.70	-13.00	42.70	241	7	Vertical
3	7010.4	47.45	-101.63	-54.18	-13.00	41.18	176	280	Vertical
4	8763	46.02	-96.13	-50.11	-13.00	37.11	264	312	Vertical
5	10515.6	42.53	-92.55	-50.02	-13.00	37.02	188	196	Vertical
6	12268.2	41.55	-91.51	-49.96	-13.00	36.96	266	248	Vertical



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Test Band = WCDMA V_ TM1
Test Channel = Low Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1652.8	54.85	-118.06	-63.21	-13.00	50.21	263	135	Horizontal
2	2479.2	52.06	-114.31	-62.25	-13.00	49.25	241	20	Horizontal
3	3305.6	51.25	-111.90	-60.65	-13.00	47.65	176	357	Horizontal
4	4132	49.13	-109.76	-60.63	-13.00	47.63	244	113	Horizontal
5	4958.4	50.69	-107.82	-57.13	-13.00	44.13	177	259	Horizontal
6	5784.8	51.19	-105.26	-54.07	-13.00	41.07	168	30	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1652.8	53.23	-118.06	-64.83	-13.00	51.83	263	27	Vertical
2	2479.2	51.62	-114.31	-62.69	-13.00	49.69	251	184	Vertical
3	3305.6	50.84	-111.90	-61.06	-13.00	48.06	176	27	Vertical
4	4132	48.32	-109.76	-61.44	-13.00	48.44	241	163	Vertical
5	4958.4	50.80	-107.82	-57.02	-13.00	44.02	177	340	Vertical
6	5784.8	51.28	-105.26	-53.98	-13.00	40.98	166	111	Vertical



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Test Band = WCDMA V_TM1
Test Channel = Mid Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1672.8	55.31	-118.01	-62.70	-13.00	49.70	263	218	Horizontal
2	2509.2	52.27	-114.12	-61.85	-13.00	48.85	251	187	Horizontal
3	3345.6	52.29	-111.99	-59.70	-13.00	46.70	186	360	Horizontal
4	4182	49.15	-109.53	-60.38	-13.00	47.38	264	156	Horizontal
5	5018.4	49.33	-107.59	-58.26	-13.00	45.26	177	167	Horizontal
6	5854.8	51.27	-104.86	-53.59	-13.00	40.59	185	322	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1672.8	53.48	-118.01	-64.53	-13.00	51.53	263	196	Vertical
2	2509.2	52.31	-114.12	-61.81	-13.00	48.81	241	350	Vertical
3	3345.6	51.96	-111.99	-60.03	-13.00	47.03	175	350	Vertical
4	4182	48.65	-109.53	-60.88	-13.00	47.88	264	164	Vertical
5	5018.4	49.83	-107.59	-57.76	-13.00	44.76	177	0	Vertical
6	5854.8	50.64	-104.86	-54.22	-13.00	41.22	264	12	Vertical



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Test Band = WCDMA V_TM1
Test Channel = High Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1693.2	54.19	-117.96	-63.77	-13.00	50.77	263	228	Horizontal
2	2539.8	53.99	-114.16	-60.17	-13.00	47.17	241	360	Horizontal
3	3386.4	51.71	-112.07	-60.36	-13.00	47.36	175	333	Horizontal
4	4233	49.77	-109.40	-59.63	-13.00	46.63	264	270	Horizontal
5	5079.6	50.11	-107.33	-57.22	-13.00	44.22	177	21	Horizontal
6	5926.2	51.02	-104.59	-53.57	-13.00	40.57	288	333	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1693.2	54.12	-117.96	-63.84	-13.00	50.84	263	351	Vertical
2	2539.8	52.31	-114.16	-61.85	-13.00	48.85	265	31	Vertical
3	3386.4	50.72	-112.07	-61.35	-13.00	48.35	241	8	Vertical
4	4233	50.35	-109.40	-59.05	-13.00	46.05	178	259	Vertical
5	5079.6	49.55	-107.33	-57.78	-13.00	44.78	264	341	Vertical
6	5926.2	51.77	-104.59	-52.82	-13.00	39.82	177	0	Vertical



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Test on the worst case:

Test Band = WCDMA II_ TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3704.8	41.74	-45.69	29.89	-69.31	-13.00	56.31	196	199	Horizontal
2	5557.2	40.46	-43.87	32.78	-65.89	-13.00	52.89	265	15	Horizontal
3	7409.6	39.77	-41.94	36.45	-60.99	-13.00	47.99	284	129	Horizontal
4	9262	33.34	-38.39	38.57	-61.74	-13.00	48.74	142	230	Horizontal
5	11114.4	31.63	-35.32	39.49	-59.46	-13.00	46.46	263	47	Horizontal
6	12966.8	32.86	-34.90	39.57	-57.73	-13.00	44.73	228	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	3704.8	42.80	-45.69	29.89	-68.25	-13.00	55.25	296	65	Vertical
2	5557.2	43.27	-43.87	32.78	-63.08	-13.00	50.08	265	118	Vertical
3	7409.6	39.59	-41.94	36.45	-61.17	-13.00	48.17	284	358	Vertical
4	9262	33.92	-38.39	38.57	-61.16	-13.00	48.16	142	360	Vertical
5	11114.4	31.51	-35.32	39.49	-59.58	-13.00	46.58	263	265	Vertical
6	12966.8	32.87	-34.90	39.57	-57.72	-13.00	44.72	225	33	Vertical



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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

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Test Band = WCDMA II_ TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3760	41.25	-45.54	30.03	-69.52	-13.00	56.52	142	334	Horizontal
2	5640	39.96	-43.81	33.05	-66.06	-13.00	53.06	265	265	Horizontal
3	7520	37.48	-41.53	36.54	-62.77	-13.00	49.77	284	298	Horizontal
4	9400	34.74	-38.16	38.56	-60.12	-13.00	47.12	142	52	Horizontal
5	11280	30.96	-35.28	39.32	-60.26	-13.00	47.26	263	248	Horizontal
6	13160	30.65	-34.68	39.70	-59.59	-13.00	46.59	228	101	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	3760	42.22	-45.54	30.03	-68.55	-13.00	55.55	296	268	Vertical
2	5640	40.28	-43.81	33.05	-65.74	-13.00	52.74	265	52	Vertical
3	7520	38.49	-41.53	36.54	-61.76	-13.00	48.76	284	304	Vertical
4	9400	34.97	-38.16	38.56	-59.89	-13.00	46.89	142	150	Vertical
5	11280	31.17	-35.28	39.32	-60.05	-13.00	47.05	263	3	Vertical
6	13160	31.23	-34.68	39.70	-59.01	-13.00	46.01	228	360	Vertical



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Test Band = WCDMA II_ TM1
Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3815.2	42.05	-45.44	30.16	-68.49	-13.00	55.49	284	354	Horizontal
2	5722.8	39.78	-43.67	33.31	-65.84	-13.00	52.84	174	360	Horizontal
3	7630	38.33	-41.28	36.76	-61.45	-13.00	48.45	142	148	Horizontal
4	9538	35.35	-38.13	38.55	-59.49	-13.00	46.49	263	343	Horizontal
5	11445.6	31.64	-35.32	39.15	-59.79	-13.00	46.79	254	360	Horizontal
6	13353.2	31.70	-35.15	39.81	-58.90	-13.00	45.90	187	148	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	3815.2	43.45	-45.44	30.16	-67.09	-13.00	54.09	285	99	Vertical
2	5722.8	40.22	-43.67	33.31	-65.40	-13.00	52.40	241	83	Vertical
3	7630	38.13	-41.28	36.76	-61.65	-13.00	48.65	142	31	Vertical
4	9538	36.16	-38.13	38.55	-58.68	-13.00	45.68	263	247	Vertical
5	11445.6	31.84	-35.32	39.15	-59.59	-13.00	46.59	228	199	Vertical
6	13353.2	31.72	-35.15	39.81	-58.88	-13.00	45.88	174	132	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	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band2	9400	VL	NT	7.29	0.003878	PASS
Band2	9400	VN	NT	7.48	0.003979	PASS
Band2	9400	VH	NT	7.06	0.003755	PASS
Band4	1413	VL	NT	0.72	0.000416	PASS
Band4	1413	VN	NT	0.77	0.000444	PASS
Band4	1413	VH	NT	0.99	0.000571	PASS

Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4182	VL	NT	-0.55	-0.000658	±2.5	PASS
Band5	4182	VN	NT	0.04	0.000048	±2.5	PASS
Band5	4182	VH	NT	0.22	0.000263	±2.5	PASS



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Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band2	9400	NV	-30	6.48	0.003447	PASS
Band2	9400	NV	-20	6.91	0.003676	PASS
Band2	9400	NV	0	7.12	0.003787	PASS
Band2	9400	NV	10	6.86	0.003649	PASS
Band2	9400	NV	20	6.05	0.003218	PASS
Band2	9400	NV	30	6.81	0.003622	PASS
Band2	9400	NV	40	6.72	0.003574	PASS
Band2	9400	NV	50	7.00	0.003723	PASS
Band4	1413	NV	-30	1.76	0.001016	PASS
Band4	1413	NV	-20	1.04	0.000600	PASS
Band4	1413	NV	0	1.57	0.000906	PASS
Band4	1413	NV	10	1.42	0.000820	PASS
Band4	1413	NV	20	1.27	0.000733	PASS
Band4	1413	NV	30	0.44	0.000254	PASS
Band4	1413	NV	40	1.73	0.000998	PASS
Band4	1413	NV	50	1.84	0.001062	PASS

Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4182	NV	-30	0.98	0.001172	±2.5	PASS
Band5	4182	NV	-20	1.49	0.001781	±2.5	PASS
Band5	4182	NV	0	1.69	0.002021	±2.5	PASS
Band5	4182	NV	10	-0.02	-0.000024	±2.5	PASS
Band5	4182	NV	20	-1.00	-0.001196	±2.5	PASS
Band5	4182	NV	30	-0.04	-0.000048	±2.5	PASS
Band5	4182	NV	40	0.68	0.000813	±2.5	PASS
Band5	4182	NV	50	0.19	0.000227	±2.5	PASS

---End of Attachment---



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