



# Appendix B

## WCDMA Band II & IV & V



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## 1. Effective (Isotropic) Radiated Power

### 1.1. Test Result

Band	Channel	Power(dBm)	EIRP	Limit(dBm)	Verdict
Band2	9262	23.27	25.27	33	PASS
Band2	9400	23.36	25.36	33	PASS
Band2	9538	23.46	25.46	33	PASS
Band4	1312	23.37	25.37	30	PASS
Band4	1413	23.12	25.12	30	PASS
Band4	1513	23.27	25.27	30	PASS

Band	Channel	Power(dBm)	ERP	Limit(dBm)	Verdict
Band5	4132	23.61	23.46	38.5	PASS
Band5	4182	23.65	23.50	38.5	PASS
Band5	4233	23.59	23.44	38.5	PASS

Remark:

a: For getting the EIRP (Efficient Isotropic Radiated Power), the following formula should be taken to calculate it,

$ERP [dBm] = \text{Conducted Power} [dBm] + \text{Gain} [dBd]$

$EIRP [dBm] = \text{Conducted Power} [dBm] + \text{Gain} [dBi]$



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## 2. Field Strength of Spurious Radiation

### 2.1. Test Band = WCDMA Band II

#### 2.1.1. Test Mode = WCDMA/TM1

##### 2.1.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
80.700000	-71.44	-13.00	58.44	137	279	Vertical
262.850000	-62.04	-13.00	49.04	141	86	Vertical
566.783333	-71.24	-13.00	58.24	143	85	Vertical
3702.975000	-44.12	-13.00	31.12	134	315	Vertical
5554.012500	-59.28	-13.00	46.28	171	0	Vertical
10618.650000	-60.98	-13.00	47.98	159	30	Vertical
62.750000	-74.84	-13.00	61.84	226	285	Horizontal
197.750000	-63.05	-13.00	50.05	226	203	Horizontal
265.450000	-63.17	-13.00	50.17	211	19	Horizontal
3702.975000	-48.13	-13.00	35.13	199	20	Horizontal
5554.012500	-54.73	-13.00	41.73	186	240	Horizontal
11120.287500	-58.78	-13.00	45.78	226	126	Horizontal





### 2.1.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
58.700000	-72.93	-13.00	59.93	143	274.0	Vertical
197.450000	-62.79	-13.00	49.79	147	67.0	Vertical
263.450000	-62.22	-13.00	49.22	139	94.0	Vertical
3758.062500	-44.82	-13.00	31.82	126	306.0	Vertical
5636.400000	-57.57	-13.00	44.57	181	178.0	Vertical
11286.037500	-59.58	-13.00	46.58	143	158.0	Vertical
58.700000	-72.93	-13.00	59.93	223	277.0	Horizontal
197.450000	-62.79	-13.00	49.79	219	186.0	Horizontal
263.450000	-62.22	-13.00	49.22	195	186.0	Horizontal
3758.062500	-44.82	-13.00	31.82	203	347.0	Horizontal
5636.400000	-57.57	-13.00	44.57	190	0.0	Horizontal
11286.037500	-59.58	-13.00	46.58	229	123.0	Horizontal

### 2.1.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
80.250000	-66.36	-13.00	53.36	142	278	Vertical
261.500000	-62.81	-13.00	49.81	149	85	Vertical
564.262500	-71.38	-13.00	58.38	125	73	Vertical
3813.150000	-56.64	-13.00	43.64	122	292	Vertical
5720.250000	-62.30	-13.00	49.30	178	0	Vertical
9248.287500	-60.90	-13.00	47.90	148	314	Vertical
64.600000	-79.22	-13.00	66.22	235	311	Horizontal
198.500000	-64.53	-13.00	51.53	227	212	Horizontal
263.450000	-63.86	-13.00	50.86	207	175	Horizontal
3813.150000	-55.84	-13.00	42.84	189	7	Horizontal
5719.762500	-56.27	-13.00	43.27	191	326	Horizontal
9216.112500	-61.31	-13.00	48.31	213	81	Horizontal



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## 2.2. Test Band = WCDMA Band IV

### 2.2.1. Test Mode = WCDMA/TM1

#### 2.2.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
64.650000	-79.86	-13.00	66.86	110	359	Vertical
124.950000	-84.90	-13.00	71.90	127	296	Vertical
359.650000	-84.39	-13.00	71.39	102	205	Vertical
3426.562500	-32.38	-13.00	19.38	108	325	Vertical
5139.637500	-38.75	-13.00	25.75	154	51	Vertical
10280.325000	-57.38	-13.00	44.38	138	188	Vertical
62.800000	-75.92	-13.00	62.92	204	151	Horizontal
271.600000	-86.12	-13.00	73.12	216	180	Horizontal
479.745833	-83.26	-13.00	70.26	200	59	Horizontal
3423.150000	-29.06	-13.00	16.06	167	0	Horizontal
5134.275000	-47.32	-13.00	34.32	164	292	Horizontal
10280.325000	-53.05	-13.00	40.05	209	102	Horizontal





### 2.2.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
63.150000	-80.21	-13.00	67.21	112	0	Vertical
125.000000	-85.14	-13.00	72.14	129	349	Vertical
341.850000	-84.83	-13.00	71.83	113	168	Vertical
3463.612500	-32.03	-13.00	19.03	110	325	Vertical
5194.725000	-39.51	-13.00	26.51	146	39	Vertical
10401.712500	-56.77	-13.00	43.77	144	196	Vertical
56.050000	-74.88	-13.00	61.88	202	0	Horizontal
102.150000	-83.22	-13.00	70.22	216	277	Horizontal
283.850000	-85.69	-13.00	72.69	183	131	Horizontal
3463.612500	-32.23	-13.00	19.23	168	5	Horizontal
5200.087500	-44.58	-13.00	31.58	173	57	Horizontal
10401.712500	-51.86	-13.00	38.86	209	0	Horizontal

### 2.2.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
71.850000	-70.99	-13.00	57.99	112	277	Vertical
125.000000	-84.86	-13.00	71.86	136	113	Vertical
357.700000	-84.20	-13.00	71.20	100	314	Vertical
3503.100000	-34.47	-13.00	21.47	108	325	Vertical
5260.050000	-41.93	-13.00	28.93	160	19	Vertical
10520.662500	-55.70	-13.00	42.70	128	293	Vertical
63.150000	-80.21	-13.00	67.21	202	86	Horizontal
125.000000	-85.14	-13.00	72.14	215	115	Horizontal
341.850000	-84.83	-13.00	71.83	191	44	Horizontal
3463.612500	-32.03	-13.00	19.03	178	124	Horizontal
5194.725000	-39.51	-13.00	26.51	161	294	Horizontal
10401.712500	-56.77	-13.00	43.77	207	10	Horizontal



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## 2.3. Test Band = WCDMA Band V

### 2.3.1. Test Mode = WCDMA/TM1

#### 2.3.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
64.050000	-80.19	-13.00	67.19	117	159	Vertical
125.000000	-83.99	-13.00	70.99	127	40	Vertical
308.250000	-85.72	-13.00	72.72	101	40	Vertical
1654.000000	-59.77	-13.00	46.77	107	279	Vertical
2691.500000	-57.21	-13.00	44.21	158	301	Vertical
4391.812500	-64.91	-13.00	51.91	143	273	Vertical
62.950000	-76.11	-13.00	63.11	208	75	Horizontal
110.500000	-91.59	-13.00	78.59	224	258	Horizontal
260.500000	-85.42	-13.00	72.42	184	167	Horizontal
1651.000000	-61.34	-13.00	48.34	174	6	Horizontal
2802.500000	-56.81	-13.00	43.81	164	268	Horizontal
5070.900000	-64.63	-13.00	51.63	209	251	Horizontal







### 2.3.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
65.100000	-79.89	-13.00	66.89	115	187	Vertical
124.950000	-84.50	-13.00	71.50	126	59	Vertical
327.750000	-85.25	-13.00	72.25	104	195	Vertical
1675.000000	-55.54	-13.00	42.54	108	359	Vertical
2635.000000	-46.47	-13.00	33.47	146	234	Vertical
6057.112500	-62.99	-13.00	49.99	128	95	Vertical
64.050000	-80.19	-13.00	67.19	197	222	Horizontal
125.000000	-83.99	-13.00	70.99	218	39	Horizontal
308.250000	-85.72	-13.00	72.72	196	48	Horizontal
1654.000000	-59.77	-13.00	46.77	164	255	Horizontal
2691.500000	-57.21	-13.00	44.21	156	175	Horizontal
4391.812500	-64.91	-13.00	51.91	219	164	Horizontal

### 2.3.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
62.700000	-74.94	-13.00	61.94	106	169	Vertical
110.800000	-91.14	-13.00	78.14	119	242	Vertical
275.700000	-86.07	-13.00	73.07	103	22	Vertical
1695.000000	-60.26	-13.00	47.26	101	358	Vertical
4287.000000	-65.01	-13.00	52.01	149	131	Vertical
7969.087500	-61.48	-13.00	48.48	132	62	Vertical
62.700000	-74.94	-13.00	61.94	196	13	Horizontal
110.800000	-91.14	-13.00	78.14	222	78	Horizontal
275.700000	-86.07	-13.00	73.07	200	178	Horizontal
1695.000000	-60.26	-13.00	47.26	159	262	Horizontal
4287.000000	-65.01	-13.00	52.01	163	270	Horizontal
7969.087500	-61.48	-13.00	48.48	206	38	Horizontal



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Remark:

- 1 According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.
- 2 The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data had been displayed.

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