



N750 US version

4G Antenna

PN: SZ23215IB75-1

Key features:

- Antenna for 620-960MHz and 1710-2690MHz .
- High gain.
- Sustained High Efficiency and Performance.
- Impedance 50 Ohm.

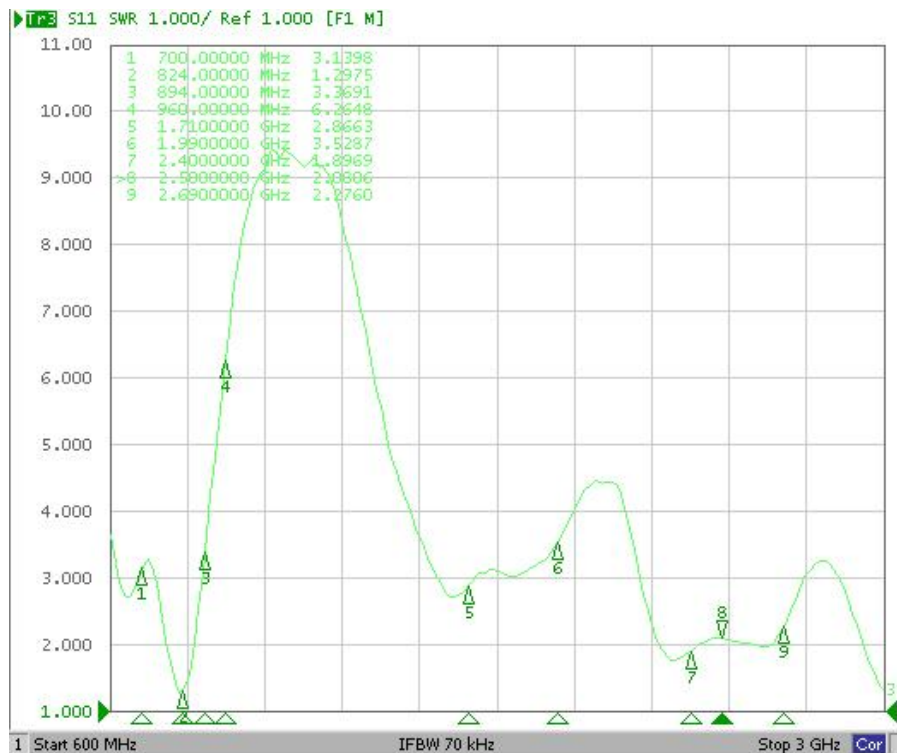
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1. Specifications

Item		Specifications	
Antenna	Frequency range (MHz)	620~890MHz	1710~2690MHz
	Max Gain (dBi)	-0.2	1.6
	VSWR	6.2under	3.5under
	Efficiency (%)	16%~32%	15%~33%
	Output impedance (Ω)	50	

2. VSWR



3. Performance data

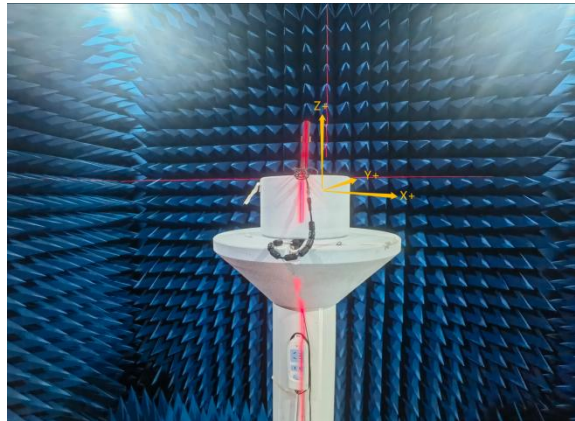
3.1 OTA test data

Measurement	Band	Channel	Total		Measurement	Band	Channel	Total
TRP	FDD_B2(10MHz)	18650	17.66		TRP	FDD_B14(10MHz)	23330	19. 1
TRP	FDD_B2(10MHz)	18900	17.52		TIS(RSSI)	FDD_B14(10MHz)	5330	-86.28
TRP	FDD_B2(10MHz)	19150	17.02		TRP	FDD_B17(10MHz)	23780	16.62
TIS(RSSI)	FDD_B2(10MHz)	1150	-87.01		TRP	FDD_B17(10MHz)	23790	17.32
TRP	FDD_B4(10MHz)	20000	16.55		TRP	FDD_B17(10MHz)	23800	17.5
TRP	FDD_B4(10MHz)	20175	16. 13		TIS(RSSI)	FDD_B17(10MHz)	5800	-86.86
TRP	FDD_B4(10MHz)	20350	16.92		TRP	FDD_B25(10MHz)	26090	18. 11
TIS(RSSI)	FDD_B4(10MHz)	2350	-87.51		TRP	FDD_B25(10MHz)	26365	17.81
TRP	FDD_B5(10MHz)	20450	17. 17		TRP	FDD_B25(10MHz)	26640	17.45
TRP	FDD_B5(10MHz)	20525	16. 13		TIS(RSSI)	FDD_B25(10MHz)	8640	-87.24
TRP	FDD_B5(10MHz)	20600	15.34		TRP	FDD_B26(10MHz)	26740	17.79
TIS(RSSI)	FDD_B5(10MHz)	2600	-88. 13		TRP	FDD_B26(10MHz)	26865	16.98
TRP	FDD_B7(10MHz)	20800	16.33		TRP	FDD_B26(10MHz)	26990	15.62
TRP	FDD_B7(10MHz)	21100	16.05		TIS(RSSI)	FDD_B26(10MHz)	8990	-87.49
TRP	FDD_B7(10MHz)	21400	16.67		TRP	FDD_B66(10MHz)	132022	17. 4
TIS(RSSI)	FDD_B7(10MHz)	3400	-87.97		TRP	FDD_B66(10MHz)	132322	17. 12
TRP	FDD_B1(10MHz)	23060	16.88		TRP	FDD_B66(10MHz)	132622	18.03
TRP	FDD_B12(10MHz)	23095	17.3		TIS(RSSI)	FDD_B66(10MHz)	67036	-86.49
TRP	FDD_B12(10MHz)	23130	17.55		TRP	FDD_B71(10MHz)	132022	10.84
TIS(RSSI)	FDD_B12(10MHz)	5130	-86.23		TRP	FDD_B71(10MHz)	132322	11. 65
TRP	FDD_B13(10MHz)	23230	19.61		TRP	FDD_B71(10MHz)	132622	12.68
TIS(RSSI)	FDD_B13(10MHz)	5230	-86. 12		TIS(RSSI)	FDD_B71(10MHz)	67036	-85.21
					TRP	TDD_B41(20MHz)	40340	17.38
					TRP	TDD_B41(20MHz)	40620	17.78
					TRP	TDD_B41(20MHz)	41140	17.47
					TIS(RSSI)	TDD_B41(20MHz)	41140	-86.34

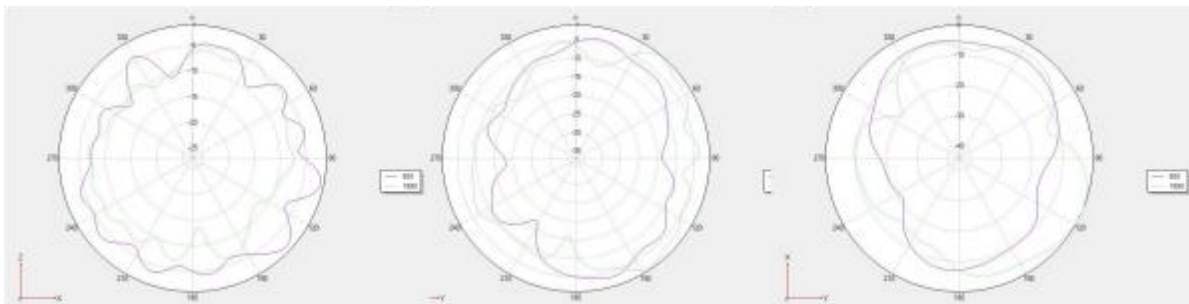
3.1 Passive test data

Frequency/Mhz	Efficiency/%	MaxGain/dBi	Frequency/Mhz	Efficiency/%	MaxGain/dBi
620	16.23	-2.53	1970	29.18	1.5
630	17.21	-2.15	1990	27.37	1.39
640	17.85	-2.23	2010	25.88	1.4
650	18.24	-1.89	2030	24.54	1.41
660	17.56	-1.74	2050	24.02	1.48
670	18.33	-1.45	2070	22.28	1.35
680	19.21	-1.08	2090	19.97	1.42
690	21.12	-0.89	2030	24.54	1.48
700	23.96	-0.67	2050	24.02	1.6
710	23.59	-0.32	2070	22.28	1.68
720	23.86	-0.49	2090	19.97	1.58
730	24.1	-1.29	2110	18.32	1.54
740	25.75	-0.75	2130	17.21	1.88
750	27.58	-0.2	2150	15.87	1.76
760	29.23	0.69	2170	15.77	1.34
770	30.09	0.86	2190	15.99	1.15
780	31.18	1.19	2210	16.59	1.36
790	32.28	1.77	2230	18.22	1.41
800	29.18	0.08	2250	25.09	1.46
810	26.82	0.24	2270	27.14	1.31
820	26.14	0.13	2290	29.34	1.45
830	26.42	0.55	2310	30.79	1.39
840	26.14	0.6	2330	31.82	1.45
850	26.86	0.77	2350	33.13	1.48
860	27.54	1.03	2370	33.09	1.56
870	26.99	1.25	2390	32.56	1.77
880	24.85	0.75	2410	30.75	1.85
890	22.84	0.14	2430	30.84	1.82
1710	31.6	1.99	2450	30.2	1.91
1730	31.21	1.48	2470	30.07	1.89
1750	30.77	1.41	2490	29.54	1.93
1770	31.1	1.47	2510	27.81	2.05
1790	31.21	1.69	2530	28.11	2.08
1810	30.93	1.72	2550	27.96	2.11
1830	31.04	1.72	2570	27.38	2.15
1850	32	1.63	2590	27.63	2.21
1870	30.44	1.32	2610	28.37	2.23
1890	30.12	1.33	2630	28.71	2.28
1910	31.6	1.28	2650	29.86	2.17
1930	30.17	1.46	2670	31.41	2.1
1950	29.91	1.51	2690	30.24	2.08

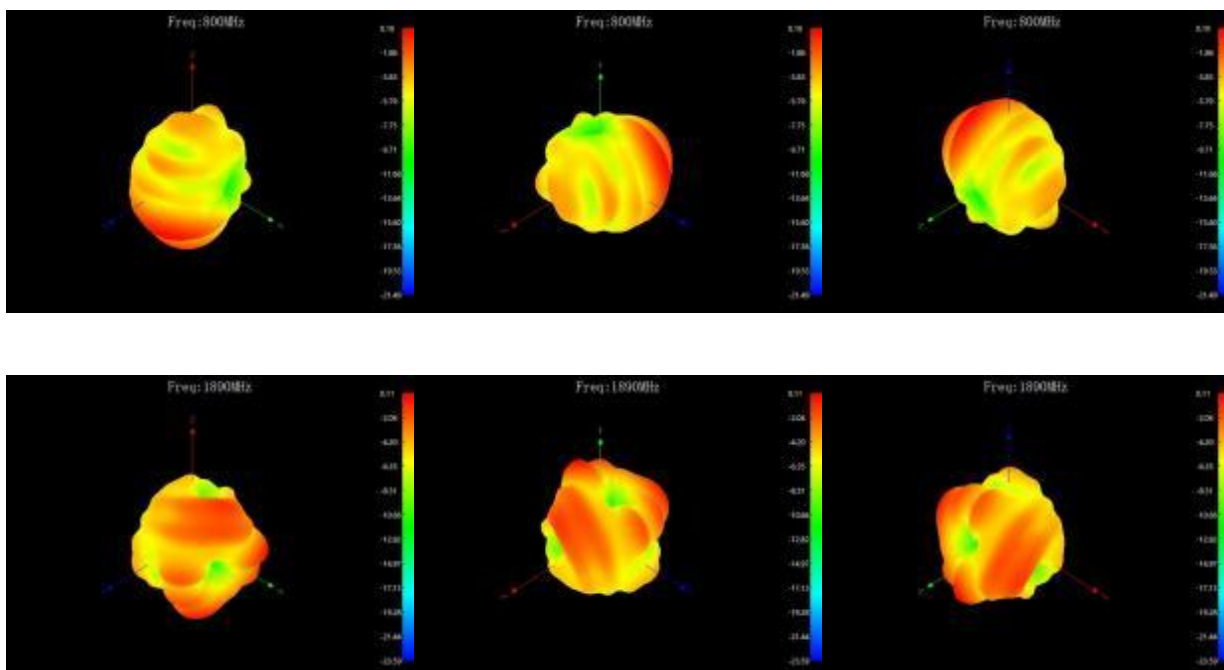
4. Radiation pattern



2D Radiation pattern



3D Radiation pattern



5. Drawing

