

### **DESCRIPTION & APPLICATION**

This antenna assembly is designed for use in 700~960/1710~2170/2500~2700MHz

### **ELECTRICAL CHARACTERISTICS**

Frequency Range	:	700~960/1710~2170/2500~2700MHz
V.S.W.R	:	$\leq 2.0$
Connector	:	SMA Male
Impedance	:	50 $\Omega$
Gain	:	7 dBi
Cable	:	RG58/U low loss cable – 3 Meters

### **ENVIRONMENTAL CHARACTERISTICS**

Operating temp.: -30 to +70 degree

Storage temp.: -35 to +75 degree

### **QUALIFICATION TESTING**

All products shall be able to withstand the following testing.

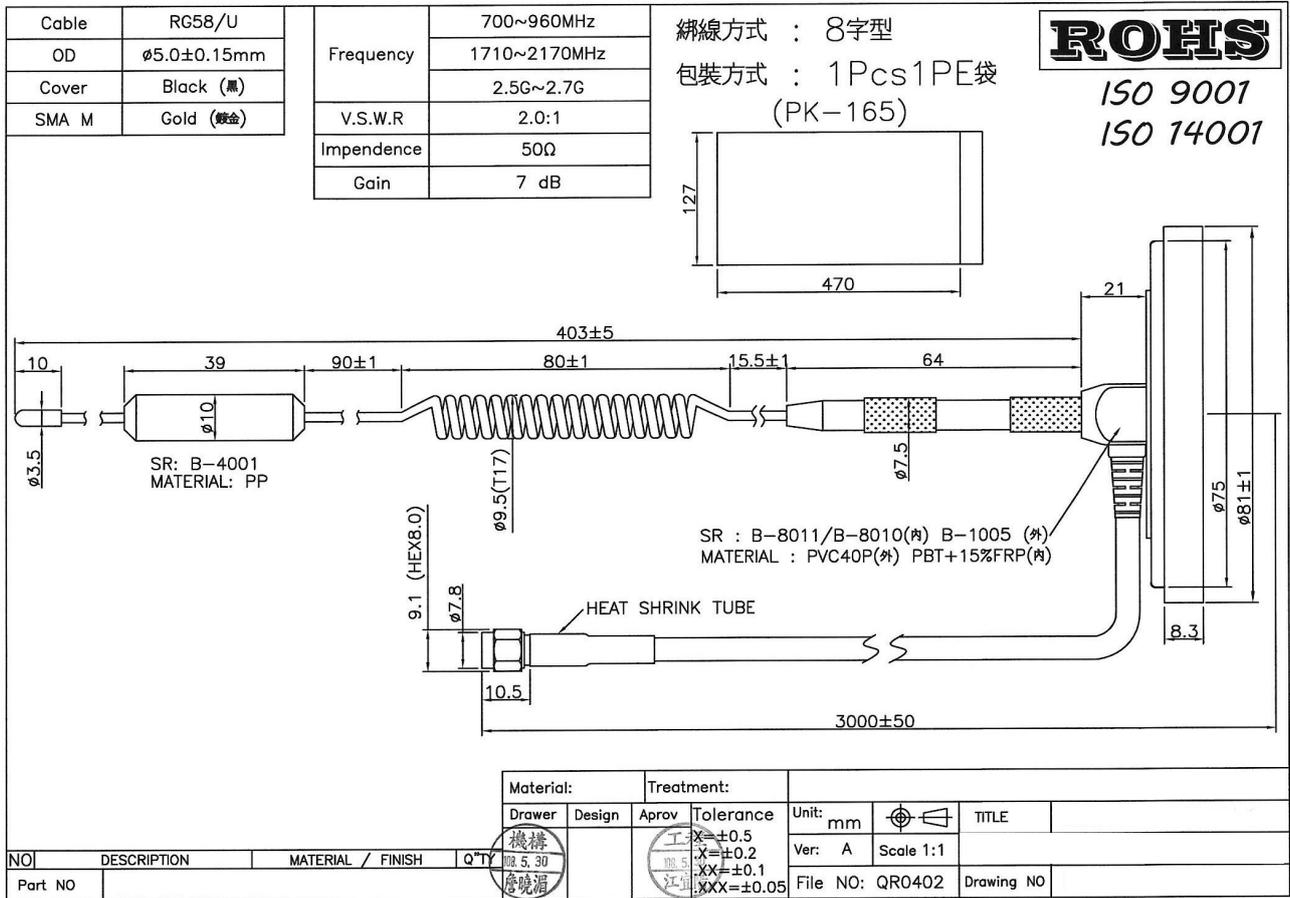
Physical dimensions identified within this specification.

### **PACKING STYLE**

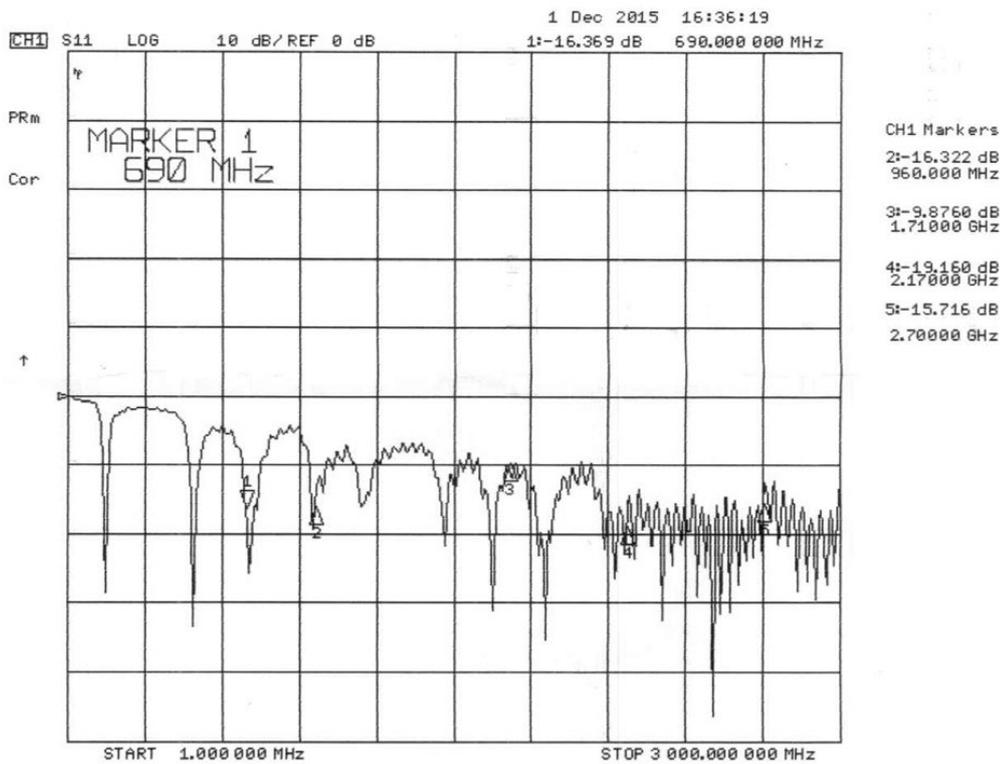
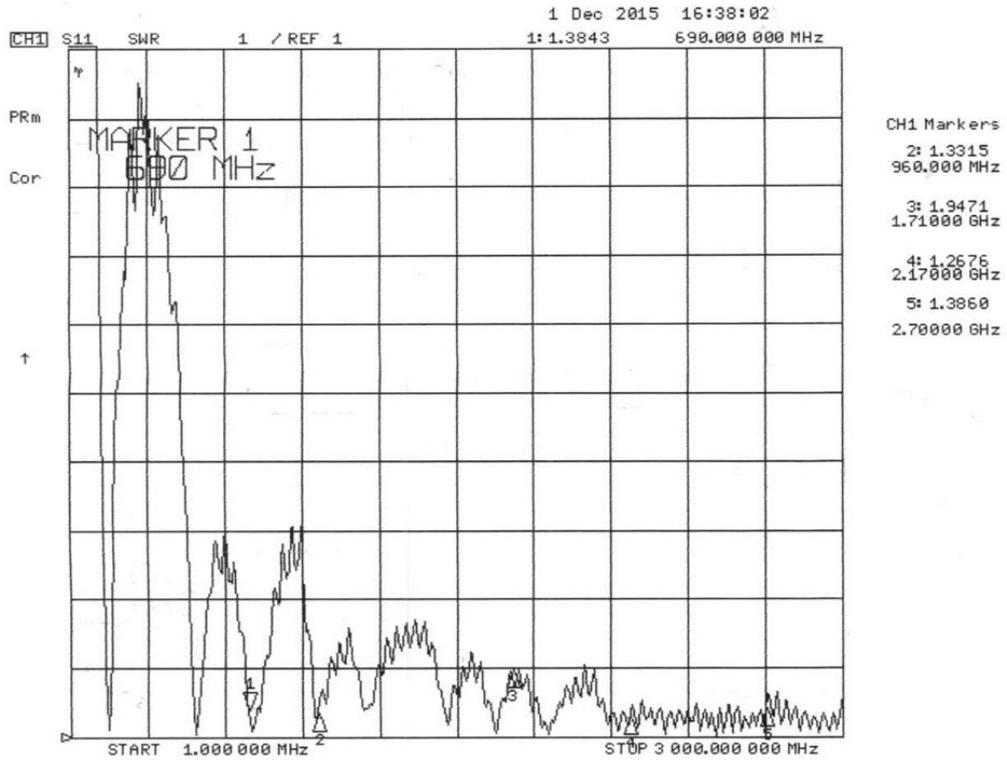
Packing: Poly Bag.



# 7. DRAWING



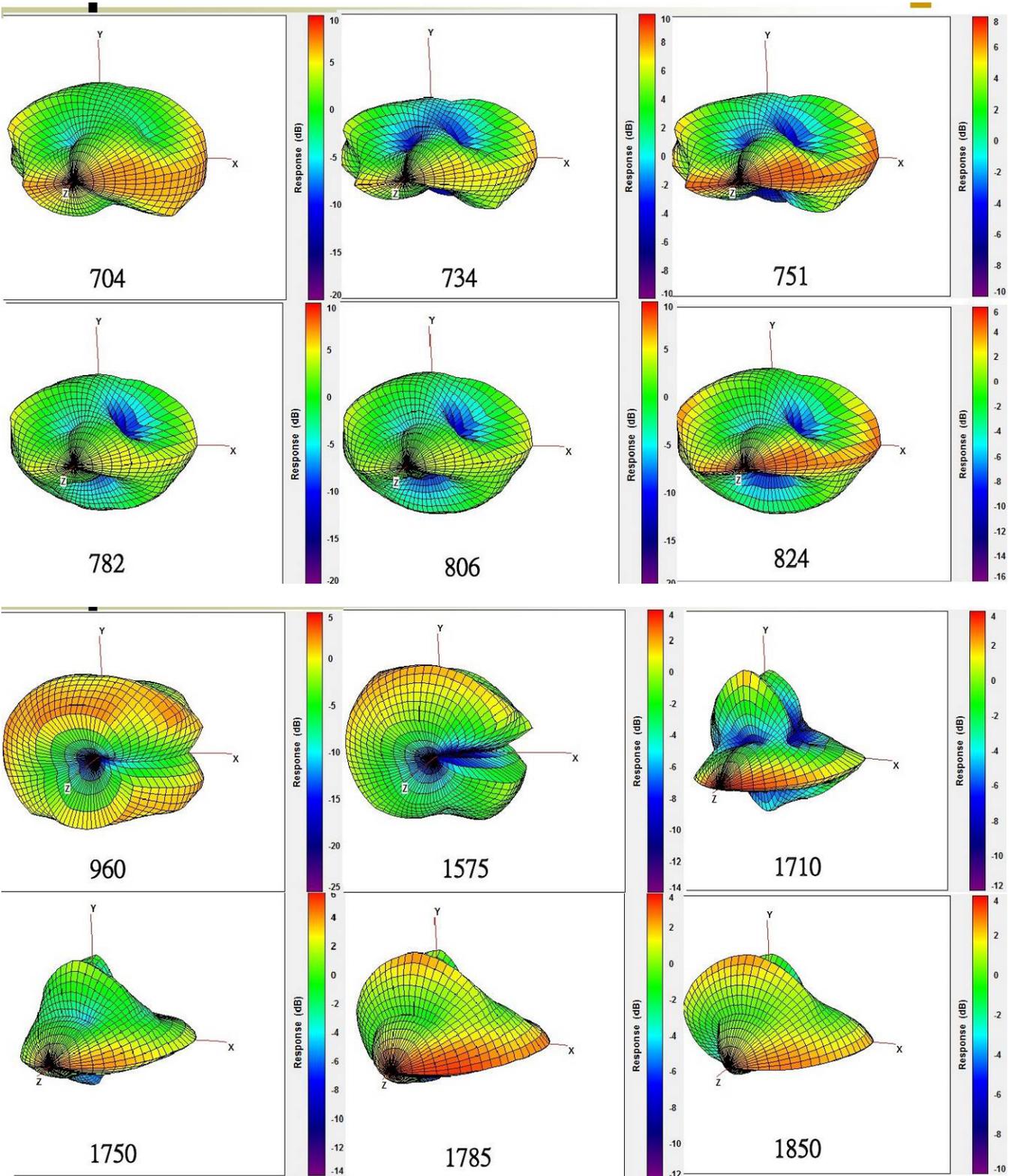
## 8. VSWR & RETURN LOSS



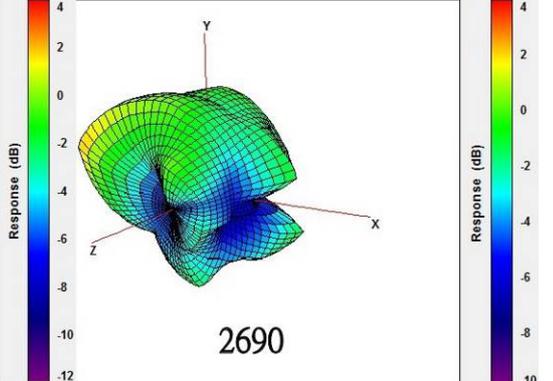
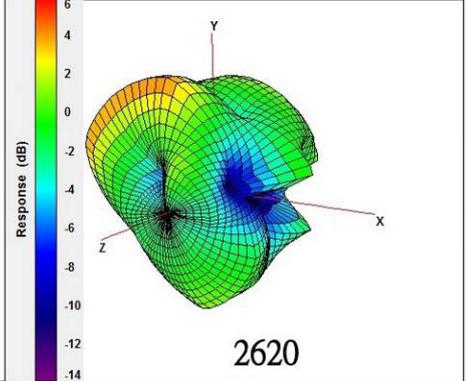
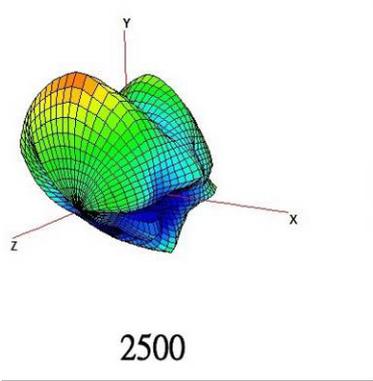
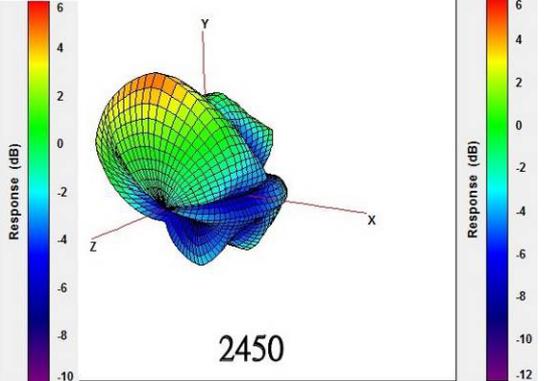
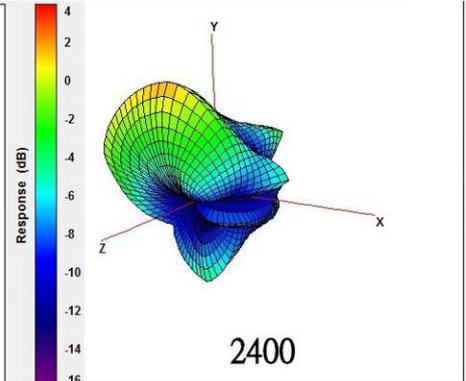
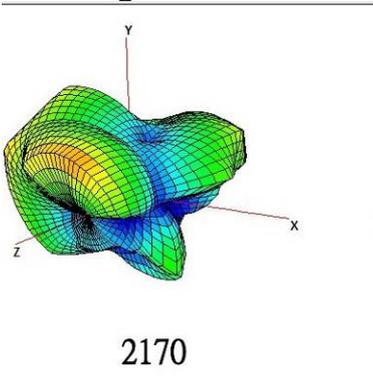
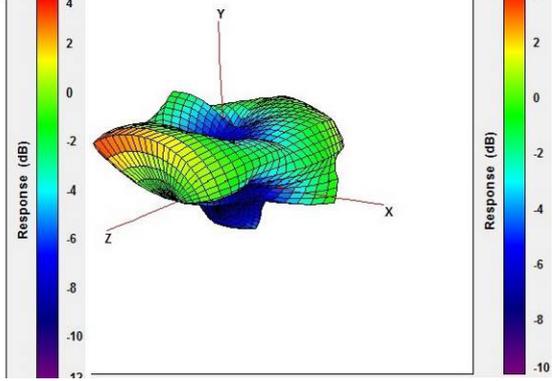
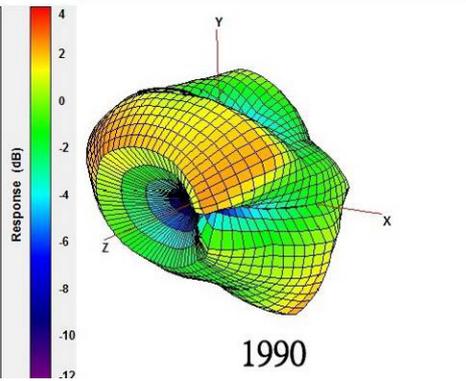
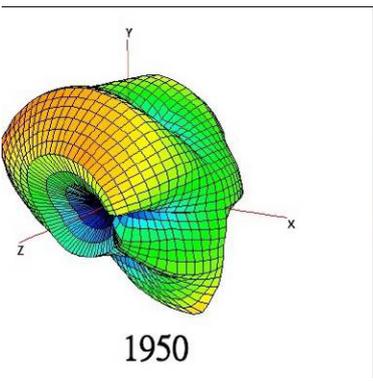
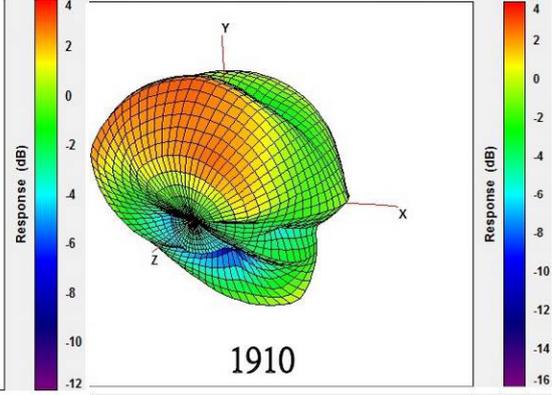
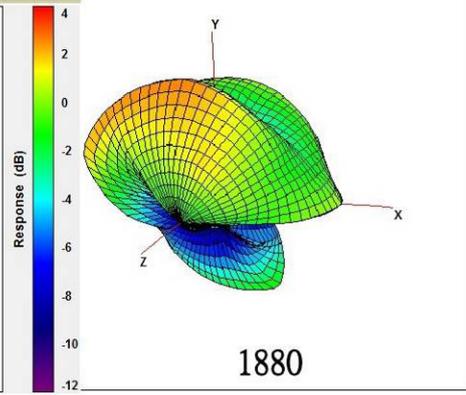
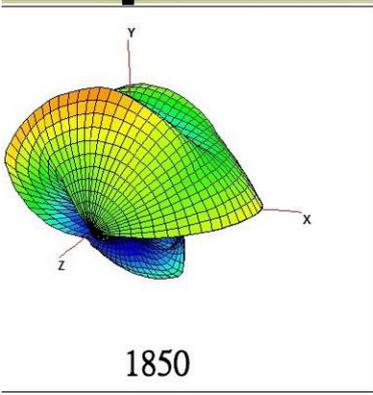
## 9. PATTERNS

Frequency (MHz)	704	710	716	734	740	746	751	756	777	782	787	791	806	815	821
Average Gain (dB)	2.95	3.25	3.26	3.28	3.05	2.90	2.73	2.51	1.24	0.96	0.59	0.40	0.83	0.65	0.55
Peak EIRP (dBm)	7.15	7.29	7.44	8.03	7.91	7.79	7.61	7.34	5.82	5.54	5.19	5.03	5.44	5.13	4.92
Frequency (MHz)	824	830	832	836	845	847	849	860	862	869	875	880	881	890	894
Average Gain (dB)	0.52	0.41	0.40	0.34	0.12	0.02	-0.09	-0.57	-0.66	-0.94	-1.13	-1.25	-1.31	-1.36	-1.34
Peak EIRP (dBm)	4.79	4.49	4.44	4.39	4.22	4.17	4.08	3.69	3.63	3.30	3.01	2.74	2.67	2.40	2.40
Frequency (MHz)	900	915	925	940	960	1427.9	1447.9	1462.9	1475.9	1495.9	1510.9	1574.7	1575.4	1576.4	1602
Average Gain (dB)	-1.21	-0.83	-0.62	-0.40	-0.43	-2.13	-2.36	-2.61	-2.79	-2.67	-2.42	-0.79	-0.78	-0.77	-0.36
Peak EIRP (dBm)	2.47	2.52	2.48	2.93	2.86	1.89	1.92	1.75	1.39	1.48	1.81	2.17	2.17	2.21	3.31
Frequency (MHz)	1710	1750	1755	1785	1805	1840	1850	1880	1882	1910	1920	1930	1950	1962	1980
Average Gain (dB)	-2.74	-2.51	-2.45	-1.85	-1.67	-1.63	-1.62	-1.45	-1.42	-1.00	-0.81	-0.68	-0.47	-0.37	-0.28
Peak EIRP (dBm)	3.90	4.12	4.15	3.54	2.97	2.75	2.70	2.78	2.74	2.90	2.88	2.83	2.99	3.09	2.86
Frequency (MHz)	1990	2110	2132	2140	2155	2170	2400	2450	2500	2535	2570	2620	2655	2690	
Average Gain (dB)	-0.24	-2.04	-2.32	-2.40	-2.42	-2.28	-1.51	-1.91	-2.33	-1.87	-1.45	-1.45	-1.84	-2.26	
Peak EIRP (dBm)	2.71	3.92	3.82	3.67	3.48	3.22	4.56	5.23	5.13	4.51	3.54	2.87	2.67	2.75	

# PATTERNS



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