

UHF ANTENNA

Model: TH-734B



1. GENERAL DESCRIPTION

P/N
TH734B-BNC(M)

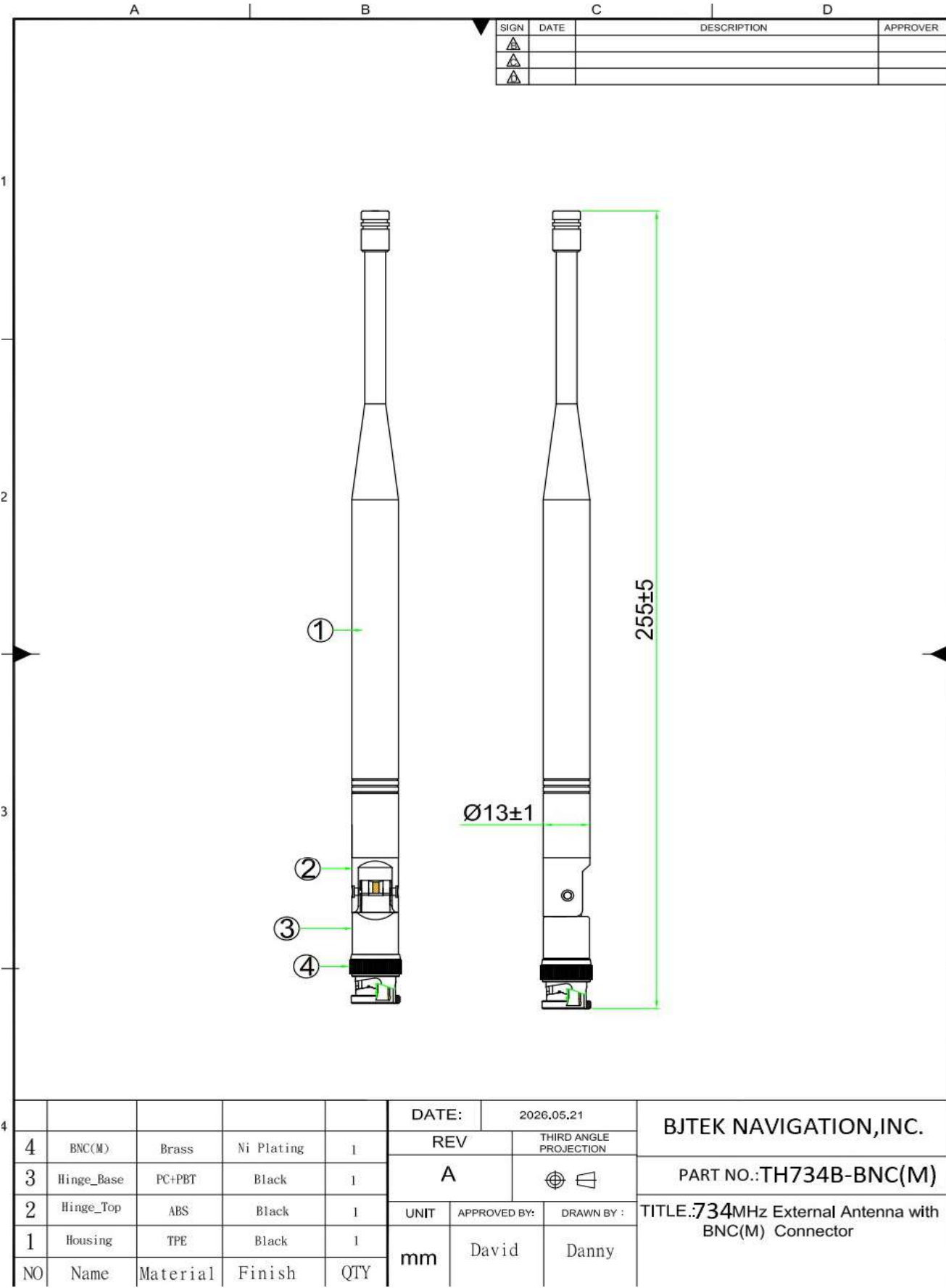
1.1 Electrical Properties

Parameter	Description
Frequency Band	734±13MHz
Nominal impedance	50ohm
Polarization	Vertical
V.S.W.R	2.5:1

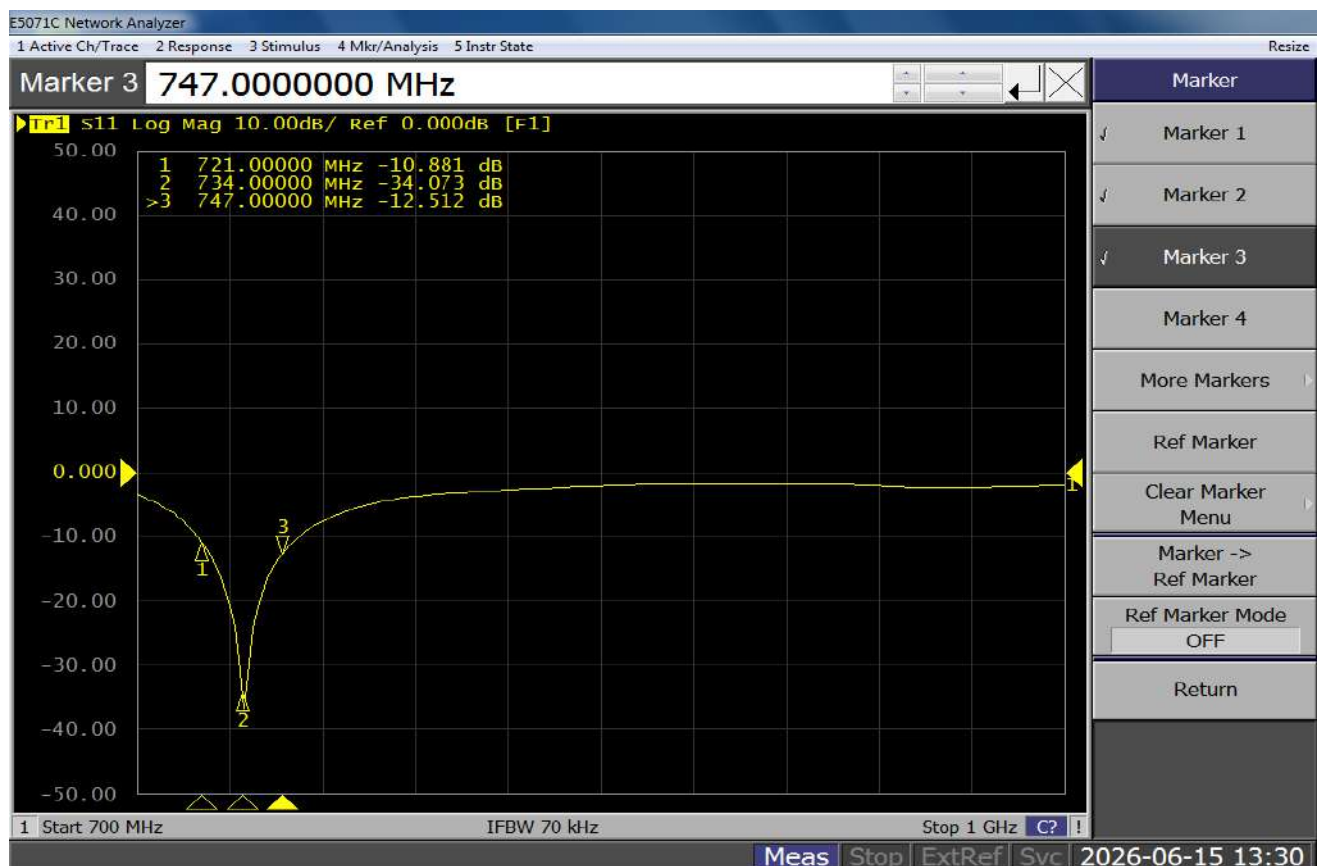
1.2 Mechanical Properties

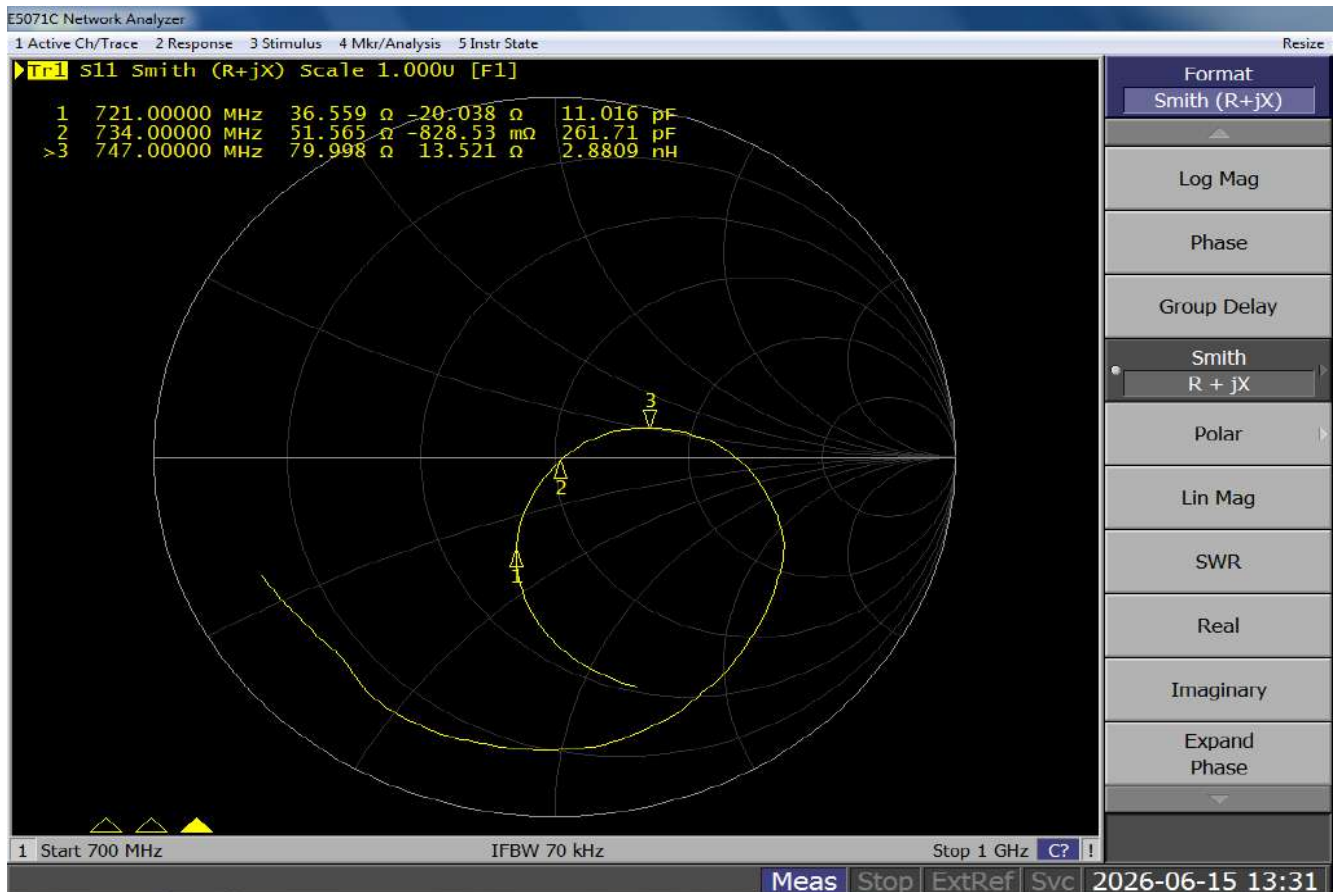
Parameter	Description
Antenna Type	External Antenna
Antenna Cover	TPE
Touch Type	Screw Type
Connector Type	BNC 180° (Male)
Antenna Dimensions	255 mm±5
Antenna Color	Black
Operating Temperature Range	-30°C~+70°C
Storage Temperature Range	-30°C~+70°C

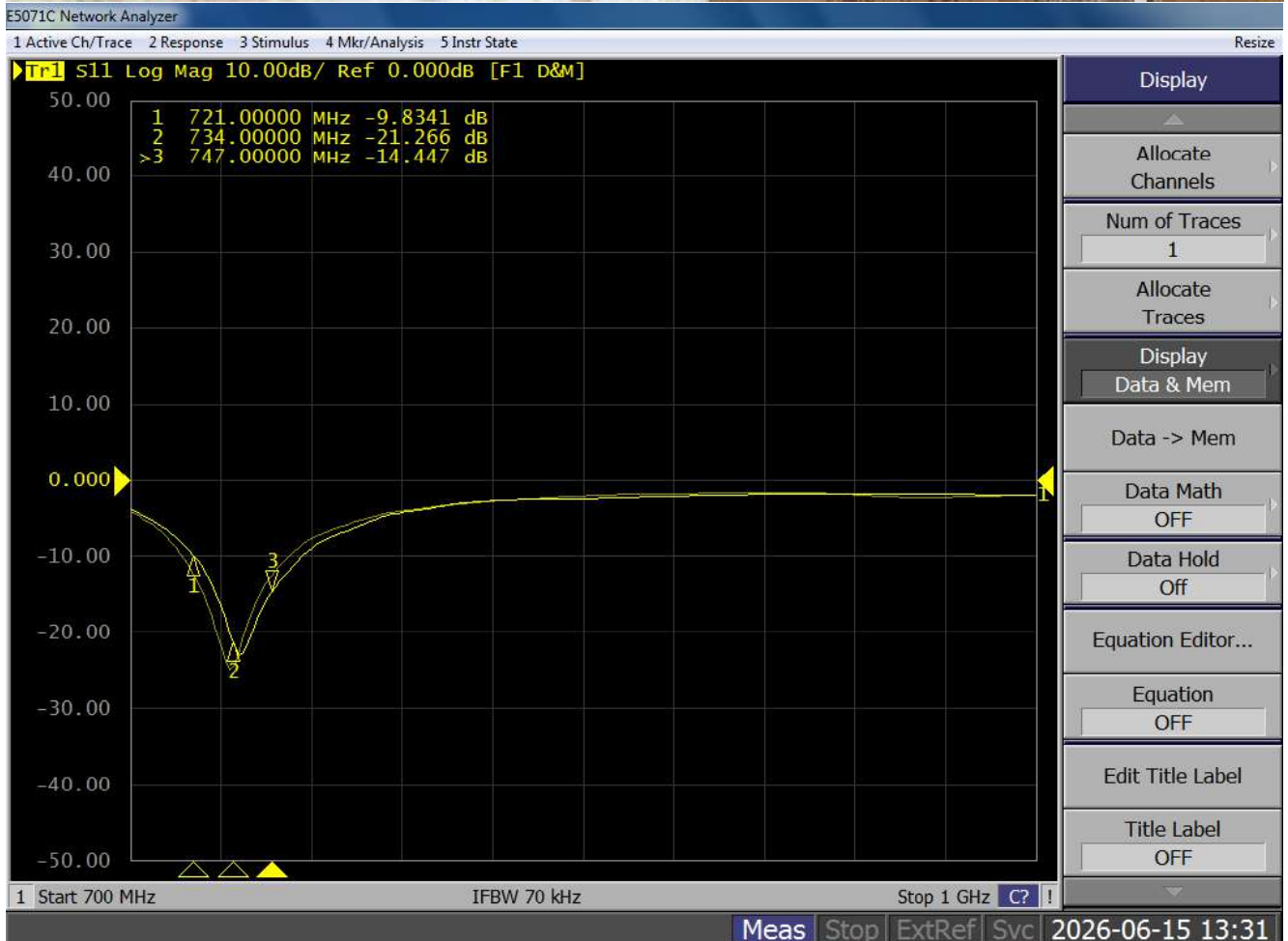
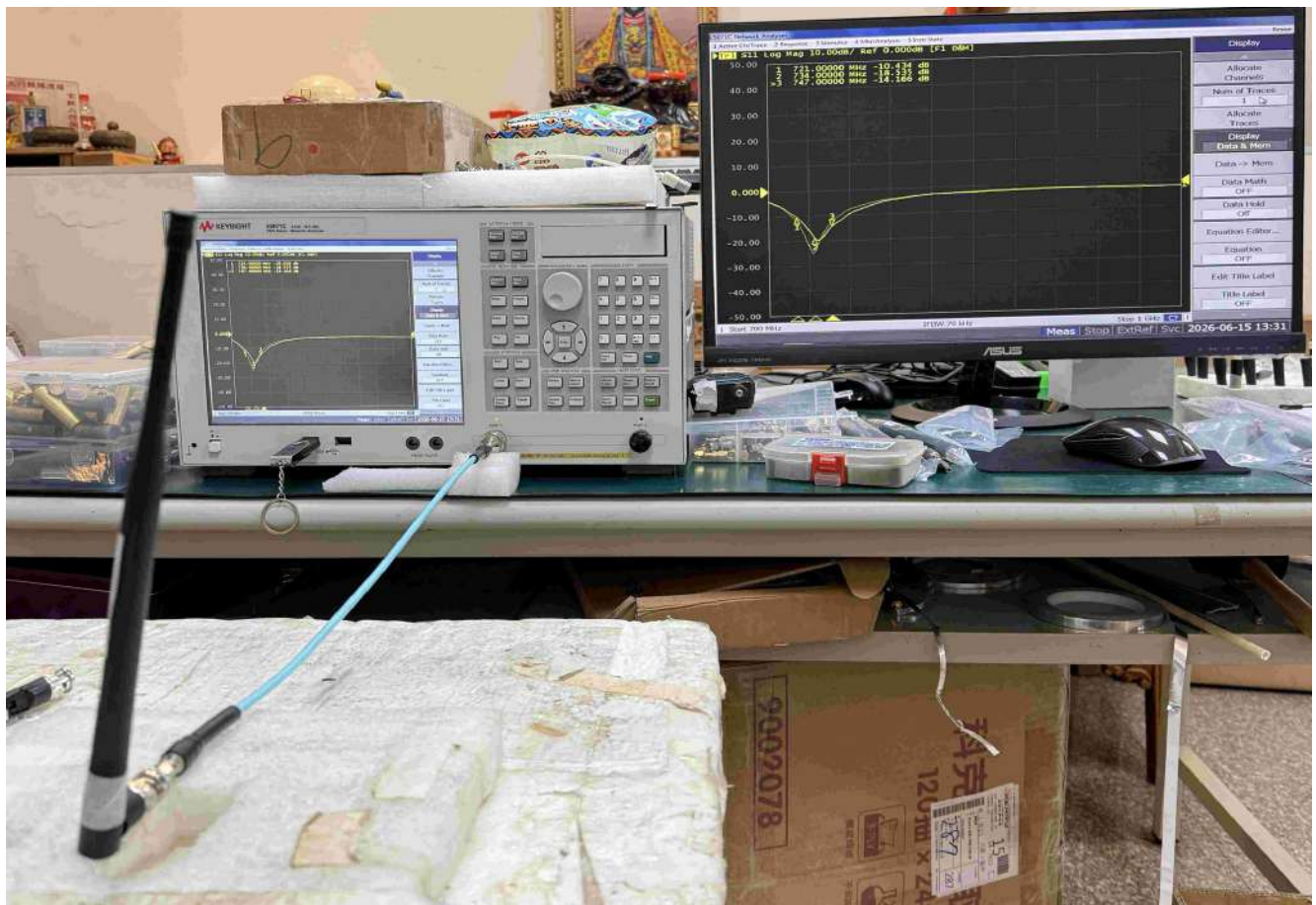
2. APPEARANCE:

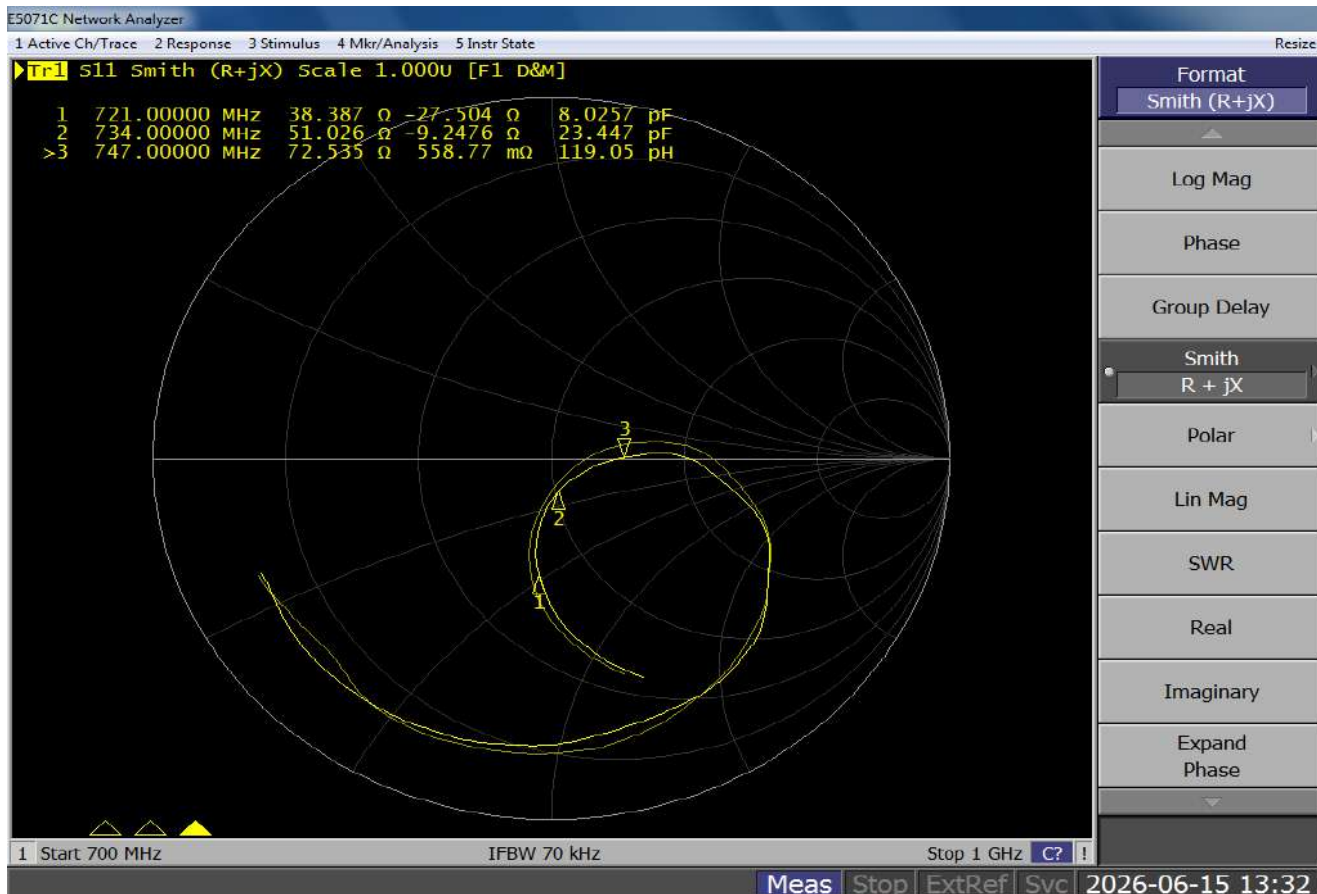


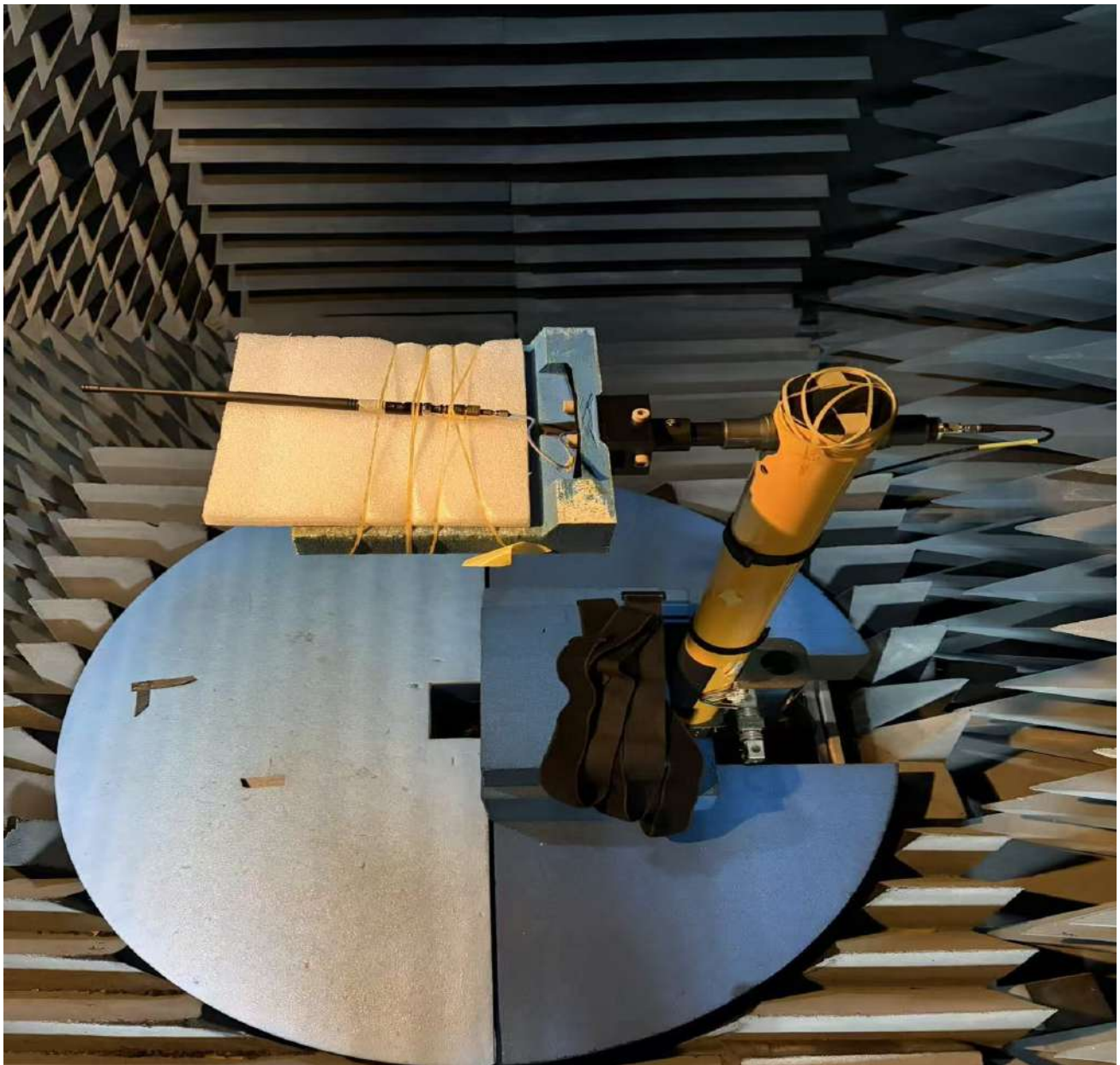
3. Return Loss, V.S.W.R. and Smith Chart









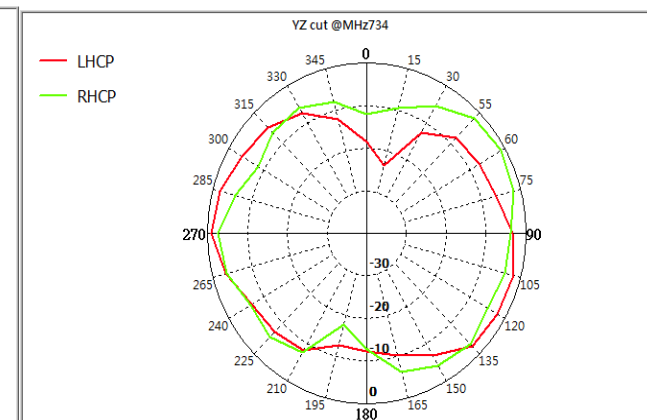
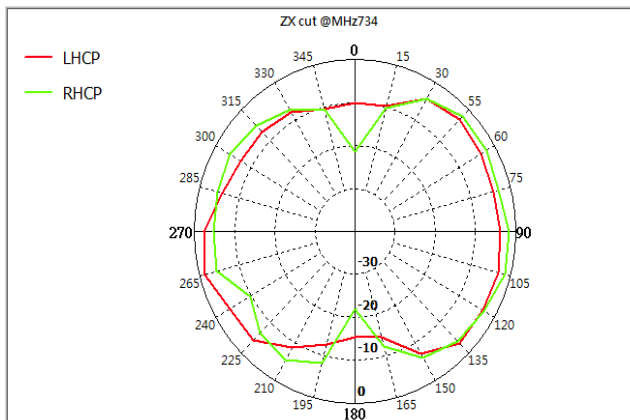
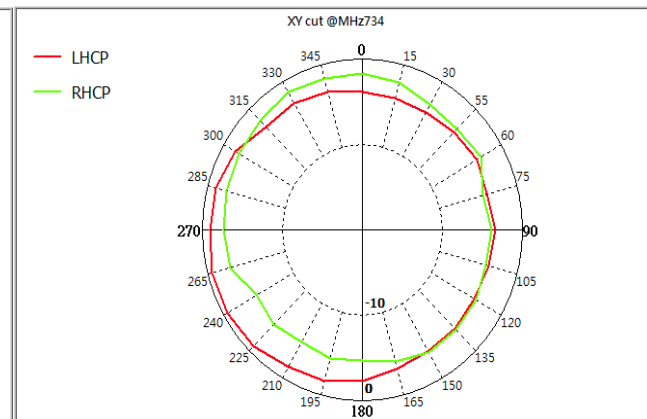
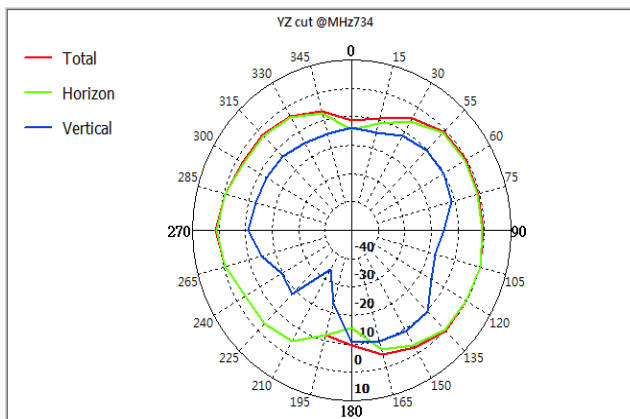
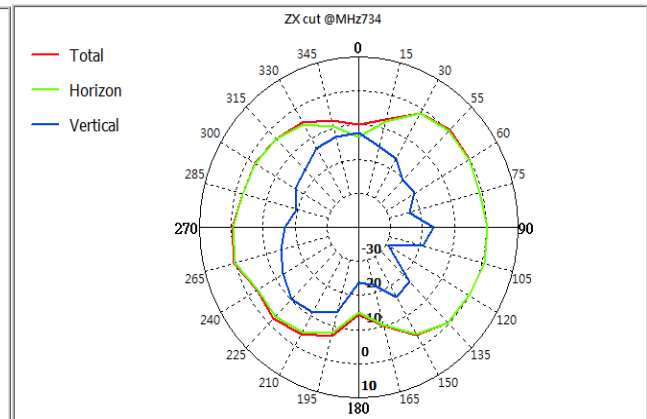
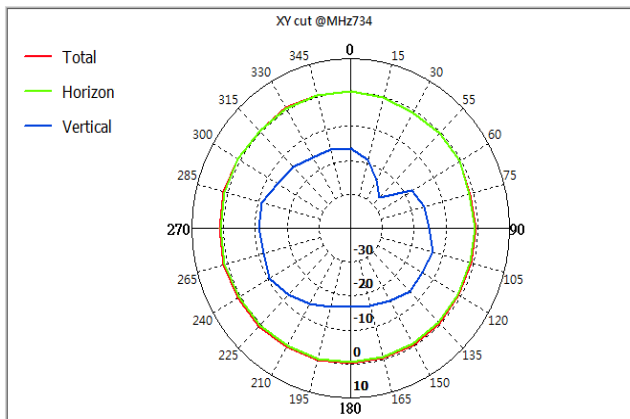


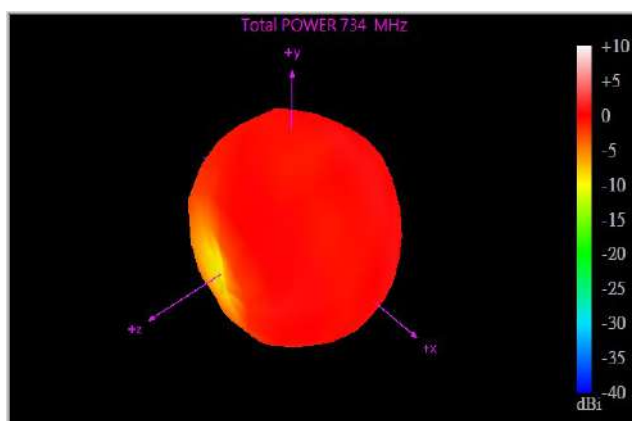
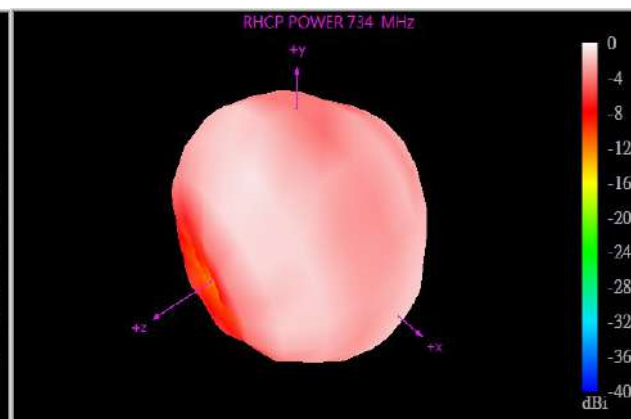
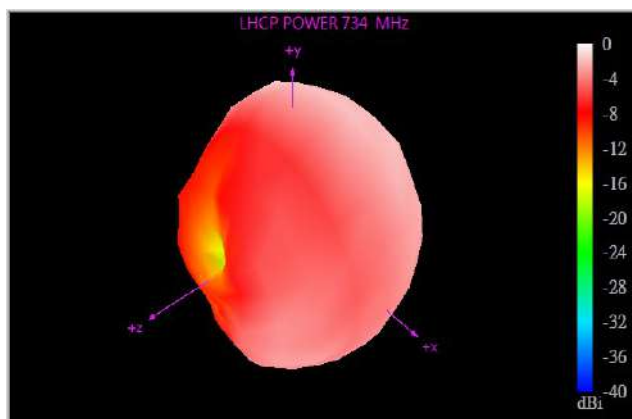
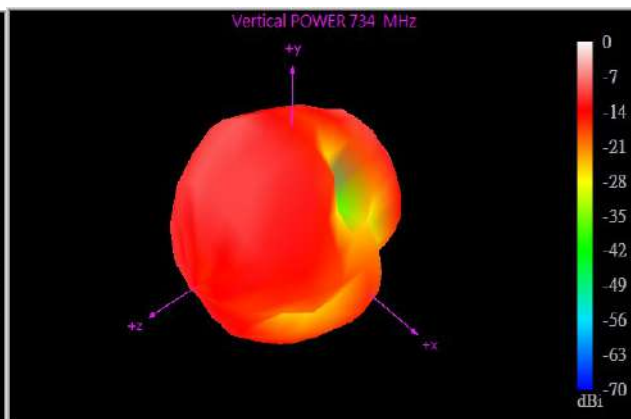
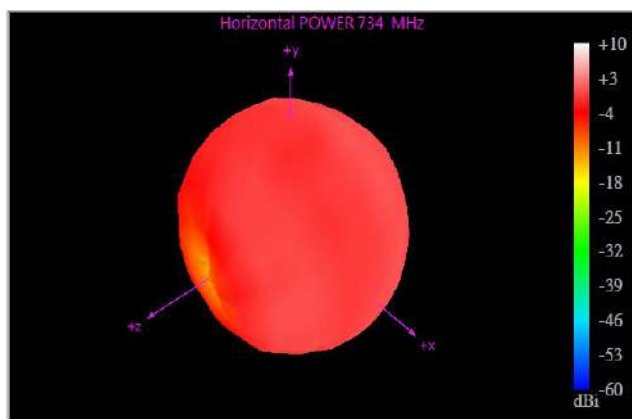
3D Total

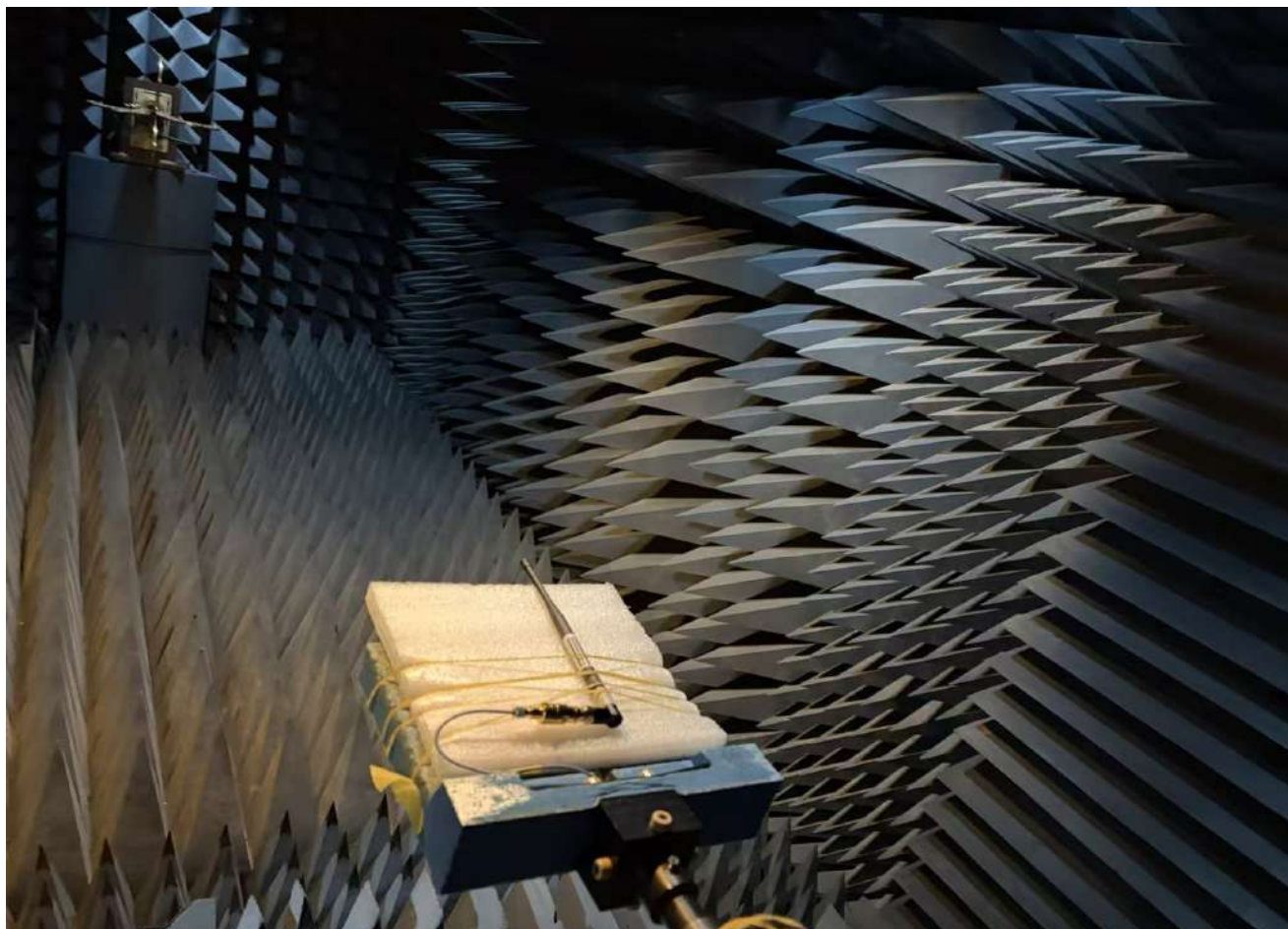
Frequency (MHz)	Upper Hem. PRP (dBm)	Lower HEM. PRP (dBm)	Efficiency (dB)	Efficiency (%)	Gain (dBi)	Tot. Rad.Pwr. (dBm)
720 MHz	-5.01	-5.23	-2.11	61.58	1.04	-2.11
725 MHz	-5.11	-5.13	-2.11	61.53	0.93	-2.11
730 MHz	-4.75	-4.52	-1.62	68.84	1.20	-1.62
731 MHz	-4.83	-4.53	-1.66	68.17	1.18	-1.66
732 MHz	-4.78	-4.49	-1.62	68.83	1.44	-1.62
733 MHz	-4.78	-4.43	-1.59	69.34	1.67	-1.59
734 MHz	-4.84	-4.48	-1.65	68.46	1.43	-1.65
735 MHz	-4.88	-4.48	-1.66	68.18	1.43	-1.66
736 MHz	-4.93	-4.44	-1.67	68.11	1.17	-1.67
737 MHz	-5.00	-4.42	-1.69	67.74	1.56	-1.69

738 MHz	-5.12	-4.52	-1.80	66.11	1.13	-1.80
739 MHz	-5.25	-4.60	-1.91	64.46	1.02	-1.91
740 MHz	-5.43	-4.78	-2.09	61.85	1.08	-2.09
745 MHz	-5.79	-5.03	-2.38	57.82	0.84	-2.38
748 MHz	-5.09	-4.17	-1.60	69.25	1.65	-1.60
750 MHz	-4.65	-3.68	-1.13	77.10	1.91	-1.13

734Mhz:







3D Total

Frequency (MHz)	Upper Hem. PRP (dBm)	Lower HEM. PRP (dBm)	Efficiency (dB)	Efficiency (%)	Gain (dBi)	Tot. Rad.Pwr. (dBm)
720 MHz	-5.25	-4.58	-1.89	64.75	1.96	-1.89
725 MHz	-5.16	-4.33	-1.71	67.41	2.57	-1.71
730 MHz	-4.77	-3.73	-1.21	75.69	2.51	-1.21
731 MHz	-4.79	-3.70	-1.20	75.93	2.89	-1.20
732 MHz	-4.73	-3.60	-1.12	77.26	2.99	-1.12
733 MHz	-4.78	-3.62	-1.15	76.76	2.97	-1.15
734 MHz	-4.75	-3.58	-1.12	77.27	3.15	-1.12
735 MHz	-4.81	-3.58	-1.14	76.85	2.73	-1.14
736 MHz	-4.82	-3.63	-1.17	76.31	2.88	-1.17
737 MHz	-4.88	-3.60	-1.18	76.24	2.85	-1.18
738 MHz	-5.05	-3.65	-1.28	74.41	2.97	-1.28
739 MHz	-5.11	-3.83	-1.42	72.17	2.44	-1.42
740 MHz	-5.27	-3.94	-1.54	70.11	2.15	-1.54
745 MHz	-5.65	-4.28	-1.90	64.53	1.86	-1.90
748 MHz	-4.95	-3.52	-1.17	76.44	2.76	-1.17
750 MHz	-4.48	-3.00	-1.66	68.23	2.90	-0.66

734Mhz:

