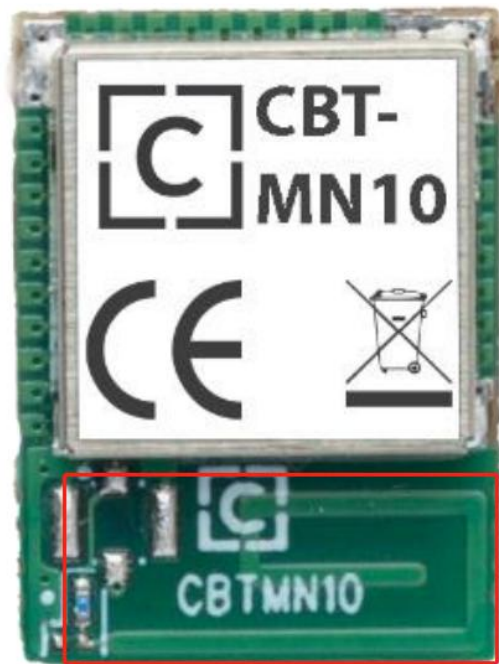


CWD LIMITED.

Antenna spe

Manufacturer	CWD LIMITED.
P/N	
Supplier no.	XBY220080
ANT TYPE	PCB ANT

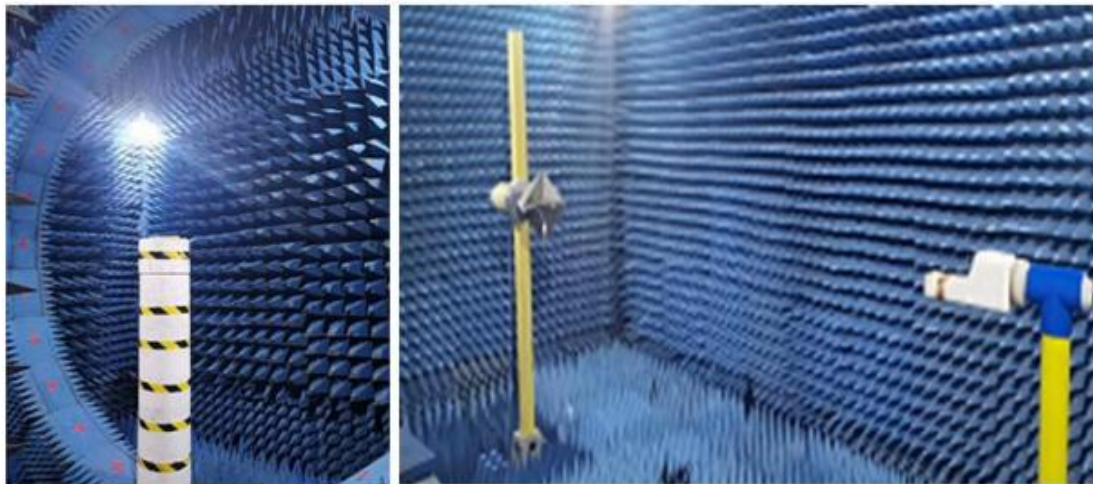


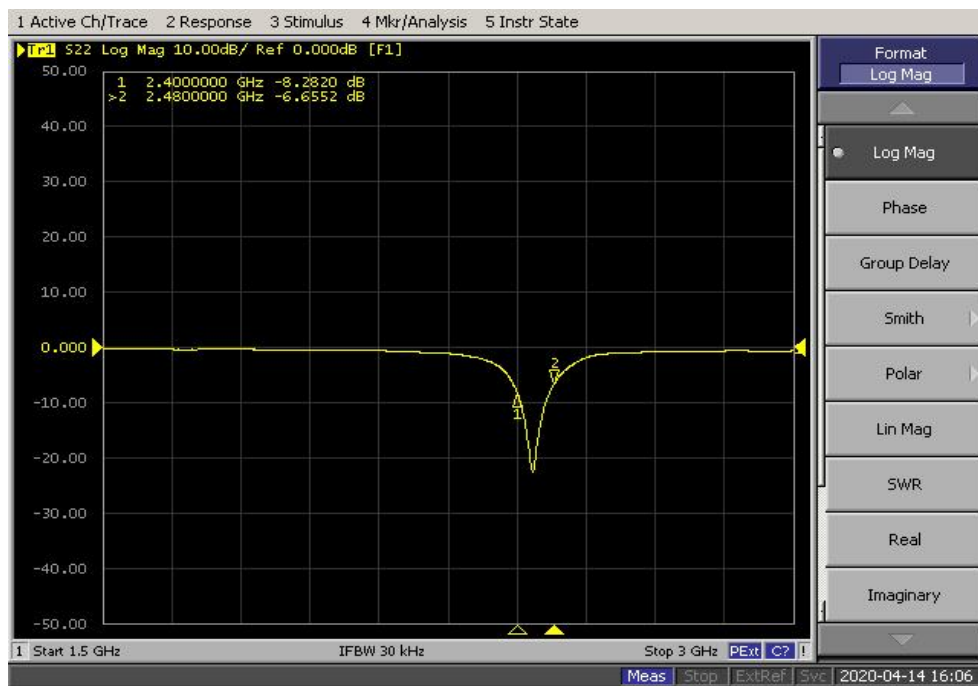
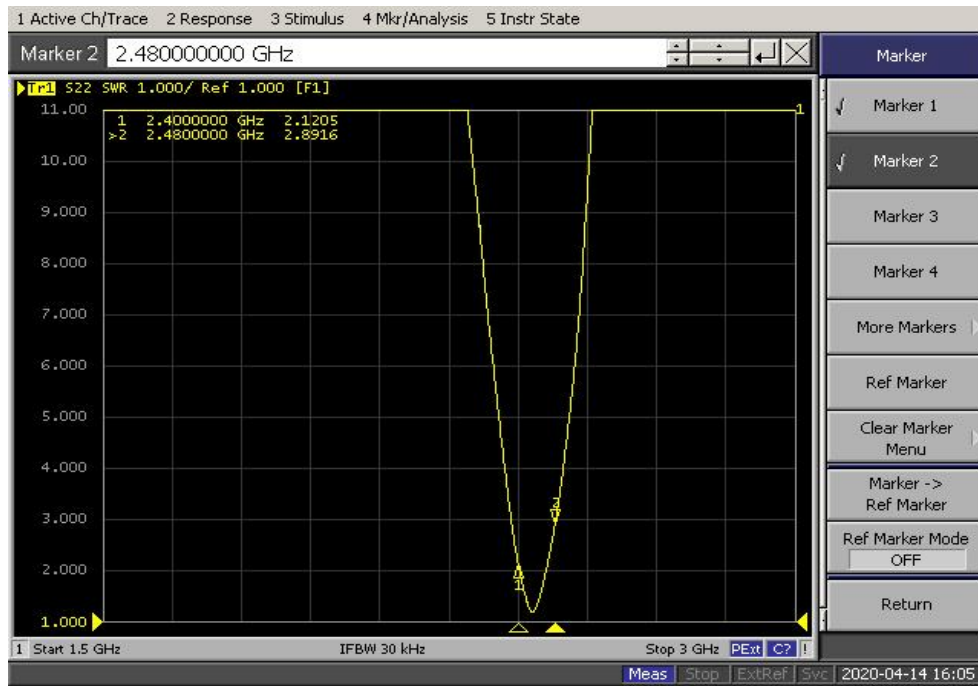
SIZE:L*W=10mm*5mm

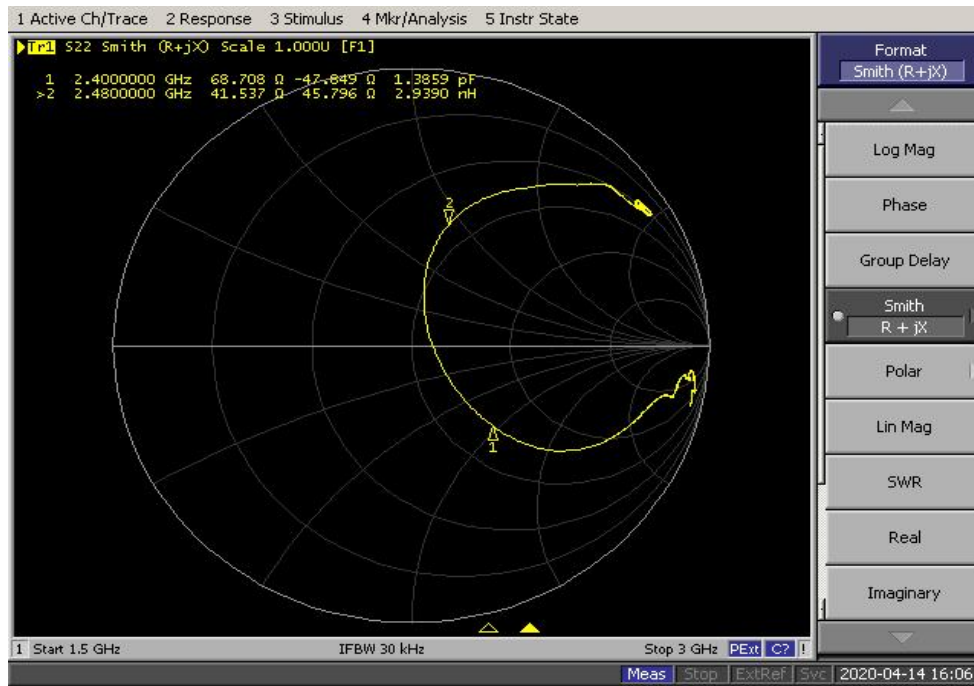


SIZE:L*W=10mm*5mm

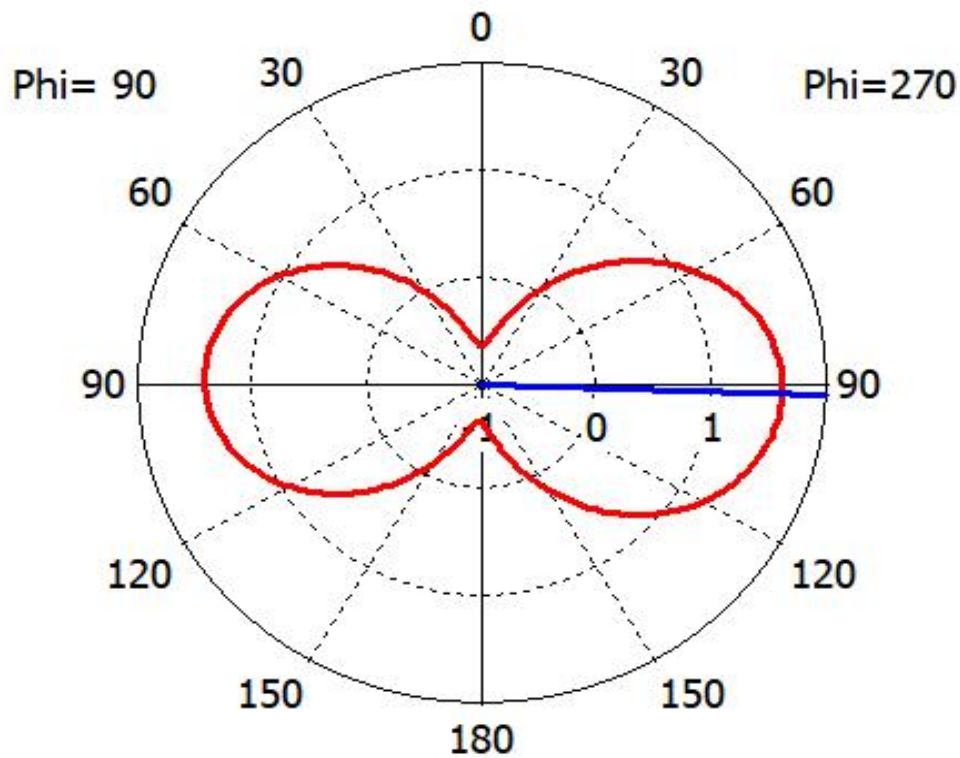
Test System and Equipment





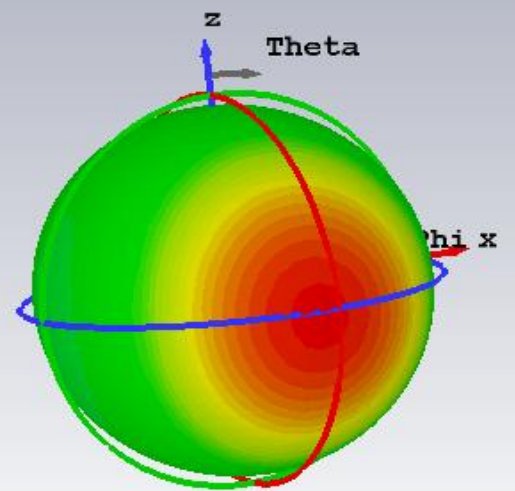


Farfield Directivity Abs (Phi=90)



Theta / Degree vs. dBi

Type	Farfield
Approximation	enabled ($kR \gg 1$)
Monitor	farfield (f=2.4) [1]
Component	Abs
Output	Directivity
Frequency	2.4
Rad. effic.	-2.353 dB
Tot. effic.	-5.062 dB
Dir.	1.627 dBi



Technical requirements	Technical index	Remark
Band	BLE:2.4G	
Range Of Frequency	2400-2500Mhz;	
Antenna Gain	1.672dBi	
Impedance	50 Ω	
Polarization	Linear polarization	
operating temperature	-20℃ / +55℃	
storage temperature	-25℃ / +65℃	

Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400	2408	2416	2434	2442	2450	2458	2466	2474	2482	2450
Point Values											
Ant. Port Input Pwr. (dBm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Directivity (dBi)	0.81	0.79	0.78	0.77	0.75	0.73	0.71	0.70	0.68	0.69	0.72
Efficiency (dB)	-7.65	-7.67	-7.68	-7.69	-7.69	-7.69	-7.60	-7.55	-7.44	-7.28	-7.18
Efficiency (%)	17.20	17.10	17.00	17.00	17.00	17.00	17.40	17.60	18.00	18.70	19.10
Gain (dBi)	1.24	1.28	1.31	1.42	1.54	1.672	1.63	1.621	1.573	1.465	1.30
NHPRP $\pm\pi/4$ (dBm)	-8.33	-8.36	-8.39	-8.40	-8.42	-8.42	-8.35	-8.31	-8.22	-8.08	-8.01
NHPRP $\pm\pi/6$ (dBm)	-9.40	-9.43	-9.46	-9.47	-9.49	-9.50	-9.43	-9.39	-9.30	-9.17	-9.10
NHPRP $\pm\pi/8$ (dBm)	-10.27	-10.31	-10.33	-10.35	-10.37	-10.37	-10.30	-10.27	-10.18	-10.05	-9.99
Upper Hem. PRP (dBm)	-11.35	-11.37	-11.40	-11.41	-11.42	-11.43	-11.36	-11.32	-11.25	-11.13	-11.07

