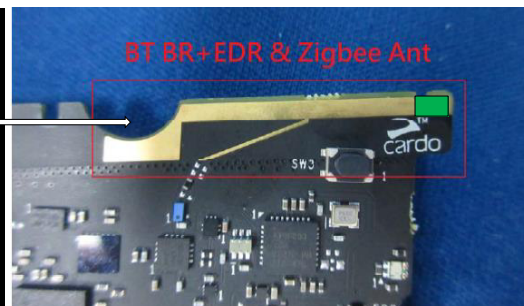
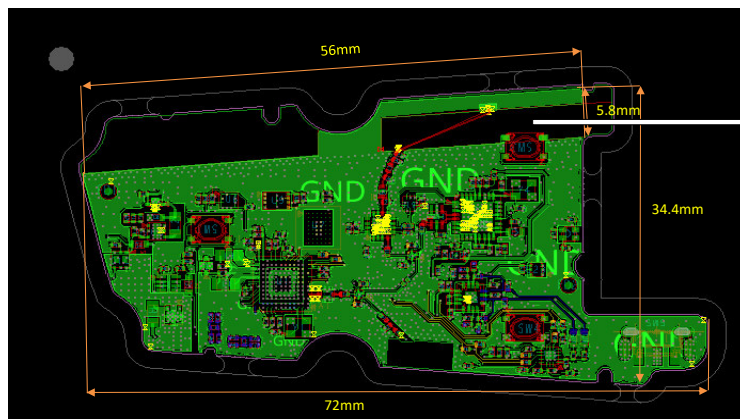


Antenna size 56x5.8mm
Freq range 2.4GHz-2.48GHz
VSWR 2 Max
Gain 0dBi max
Impedance 50ohm
Antenna type PCB Internal Pifa
Polarization Linear
Max Power 200mW
Operating temp -20 to +55 deg celcius
Interconnection and cable assembly Part of the PCB so no RF cable or Coax connection.

Manufacturer: Cardo
PN: PT Edge antenna

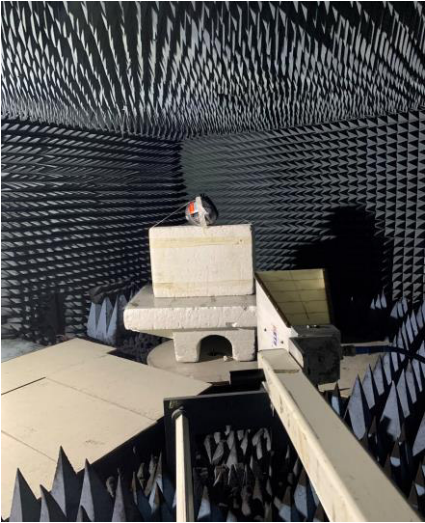
Testing LAB Hermon labs - <https://hermonlabs.com/>



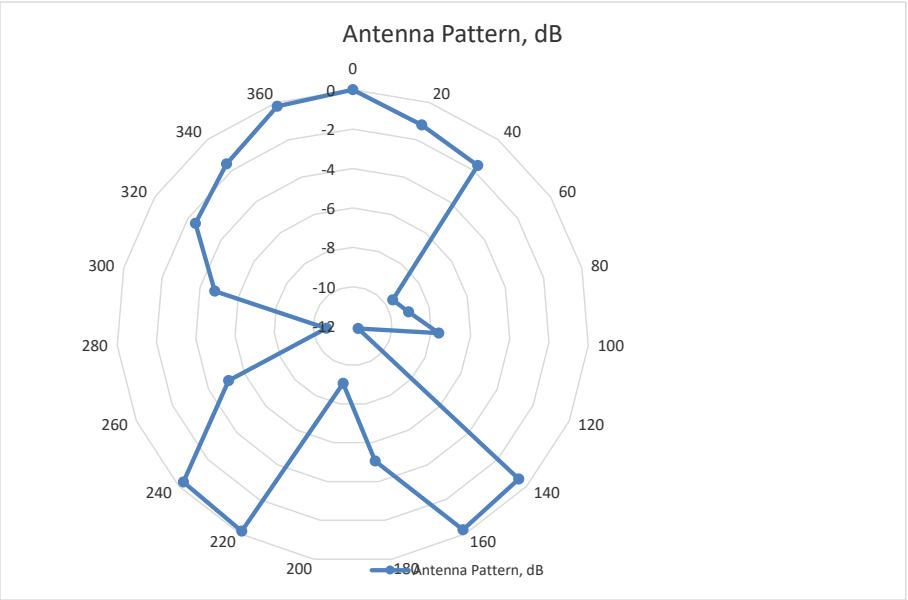
H position of EUT

Frequency:	2480	MHz	
Angle (deg)	Spectrum Analyzer reading (dBuV/m)	EIRP, dBm	Antenna Pattern, dB
0	88.54	-8.2	0.00
20	87.34	-9.4	-1.20
40	86.87	-9.87	-1.67
60	78.96	-17.78	-9.58
80	79.47	-17.27	-9.07
100	80.92	-15.82	-7.62
120	76.84	-19.9	-11.70
140	88	-8.74	-0.54
160	88.3	-8.44	-0.24
180	83.49	-13.25	-5.05
200	79.49	-17.25	-9.05
220	88.38	-8.36	-0.16
240	88.23	-8.51	-0.31
260	83.43	-13.31	-5.11
280	77.89	-18.85	-10.65
300	83.77	-12.97	-4.77
320	86.08	-10.66	-2.46
340	86.98	-9.76	-1.56
360	88.34	-8.4	-0.20

Spectrum Analyzer Data			sweep time 20 ms
Span	10	MHz	
RBW	1000	kHz	
VBW	3000	kHz	
Ref Level	120	dBuV/m	
SG	0	dBm	
F, MHz	2480	MHz	
SA reading	103.87	dBuV/m	Substitution
AG, dBi	10.3	dBi	
Cable Loss	3.17	dB	
Antenna polarization Vertical			
Antenna Horn HL 4474			



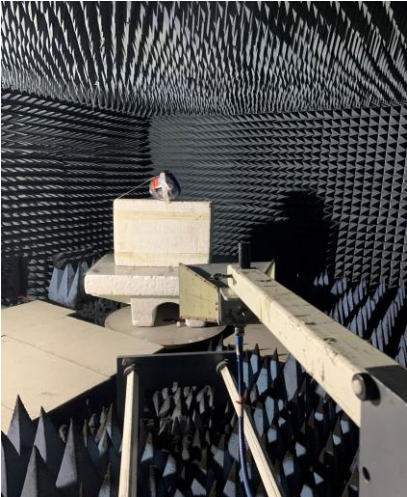
-96.74
Gain measurement calculation:
=-(Reference SA reading)+(SA reading of Antenna Power)+(Reference Signal Generator RF Power)+(Ref Antenna gain)-(Reference Antenna cable loss)



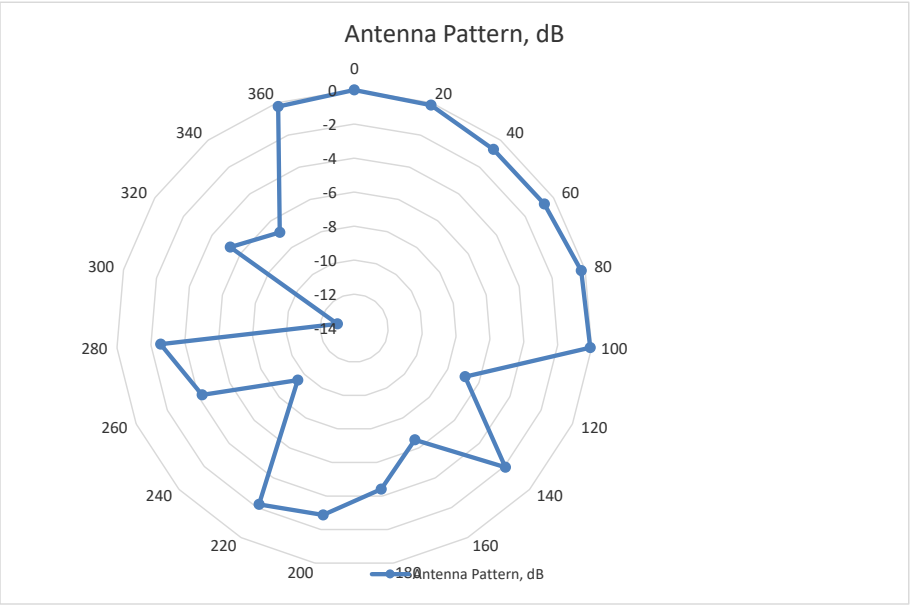
V position of EUT

Frequency:	2440	MHz	
Angle (deg)	Spectrum Analyzer reading (dBuV/m)	EIRP, dBm	Antenna Pattern, dB
0	100.09	3.67	0.00
20	99.95	3.53	-0.14
40	99.4	2.98	-0.69
60	99.43	3.01	-0.66
80	99.85	3.43	-0.24
100	100.01	3.59	-0.08
120	93.2	-3.22	-6.89
140	98.17	1.75	-1.92
160	93.56	-2.86	-6.53
180	95.69	-0.73	-4.40
200	97.22	0.8	-2.87
220	97.86	1.44	-2.23
240	90.61	-5.81	-9.48
260	95.86	-0.56	-4.23
280	97.52	1.1	-2.57
300	87.12	-9.3	-12.97
320	94.8	-1.62	-5.29
340	93.22	-3.2	-6.87
360	99.86	3.44	-0.23

Spectrum Analyzer Data			sweep time 20 ms
Span	10	MHz	
RBW	1000	kHz	
VBW	3000	kHz	
Ref Level	120	dBuV/m	
SG	0	dBm	
F, MHz	2440	MHz	
SA reading	103.5	dBuV/m	Substitution
AG, dBi	10.2	dBi	
Cable Loss	3.12	dB	
Antenna polarization Vertical			
Antenna Horn HL 4474			



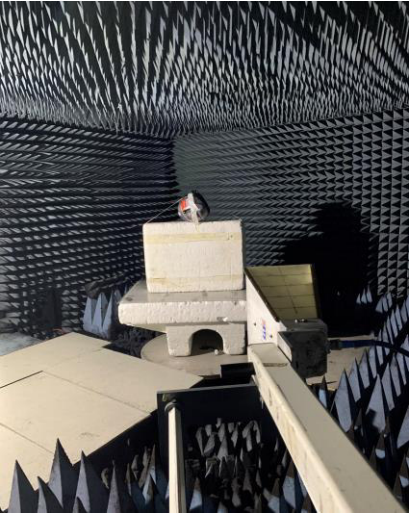
-96.42
Gain measurement calculation:
=-(Reference SA reading)+(SA reading of Antenna Power)+(Reference Signal Generator RF Power)+(Ref Antenna gain)-(Reference Antenna cable loss)



H pozition of EUT

Frequency:	2440	MHz	
Angle (deg)	Spectrum Analyzer reading (dBuV/m)	EIRP, dBm	Antenna Pattern, dB
0	104.49	8.07	0.00
20	103.56	7.14	-0.93
40	101.82	5.4	-2.67
60	98.62	2.2	-5.87
80	95.03	-1.39	-9.46
100	101.83	5.41	-2.66
120	81.64	-14.78	-22.85
140	101.94	5.52	-2.55
160	102.45	6.03	-2.04
180	104.46	8.04	-0.03
200	101.41	4.99	-3.08
220	103.86	7.44	-0.63
240	103.45	7.03	-1.04
260	103.6	7.18	-0.89
280	101.92	5.5	-2.57
300	104.12	7.7	-0.37
320	104.23	7.81	-0.26
340	104.12	7.7	-0.37
360	104.37	7.95	-0.12

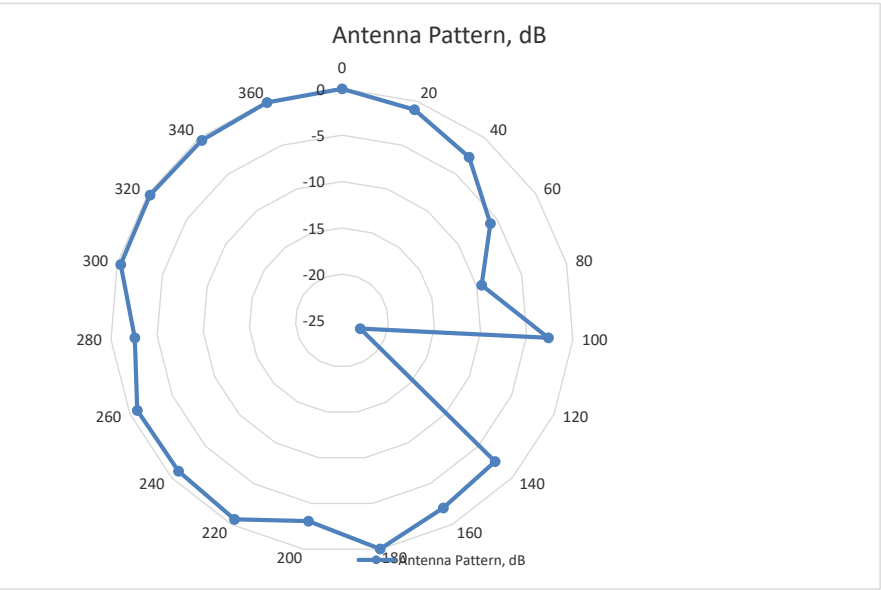
Spectrum Analyzer Data			sweep time 20 ms
Span	10	MHz	
RBW	1000	kHz	
VBW	3000	kHz	
Ref Level	120	dBuV/m	
SG	0	dBm	
F, MHz	2440	MHz	
SA reading	103.5	dBuV/m	Substitution
AG, dBi	10.2	dB	
Cable Loss	3.12	dB	
Antenna Horn HL 4474			



-96.42

Gain measurement calculation:

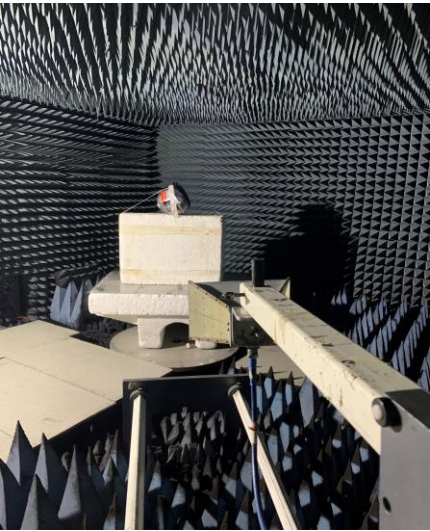
=(Reference SA reading)+(SA reading of Antenna Power)+(Reference Signal Generator RF Power)+(Ref Antenna gain)-(Reference Antenna cable loss)



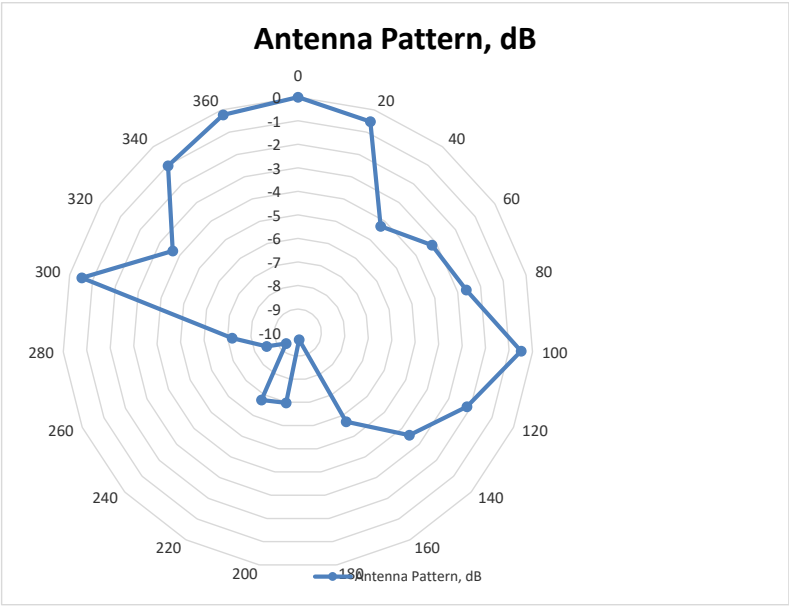
V pozition of EUT

Frequency:	2405	MHz	
Angle (deg)	Spectrum Analyzer reading (dBuV/m)	EIRP, dBm	Antenna Pattern, dB
0	89.74	-6.65	0.00
20	89.21	-7.18	-0.53
40	85.46	-10.93	-4.28
60	86.54	-9.85	-3.20
80	87.12	-9.27	-2.62
100	89.25	-7.14	-0.49
120	87.58	-8.81	-2.16
140	86.17	-10.22	-3.57
160	84.04	-12.35	-5.70
180	80.04	-16.35	-9.70
200	82.76	-13.63	-6.98
220	82.99	-13.4	-6.75
240	80.42	-15.97	-9.32
260	81.19	-15.2	-8.55
280	82.54	-13.85	-7.20
300	89.21	-7.18	-0.53
320	86.09	-10.3	-3.65
340	88.72	-7.67	-1.02
360	89.52	-6.87	-0.22

Spectrum Analyzer Data			sweep time 20 ms
Span	10	MHz	
RBW	1000	kHz	
VBW	3000	kHz	
Ref Level	120	dBuV/m	
SG	0	dBm	
F, MHz	2405	MHz	Substitution
SA reading	103.2	dBuV/m	
AG, dBi	9.9	dBi	
Cable Loss	3.09	dB	
Antenna polarization Vertical			
Antenna Horn HL 4474			



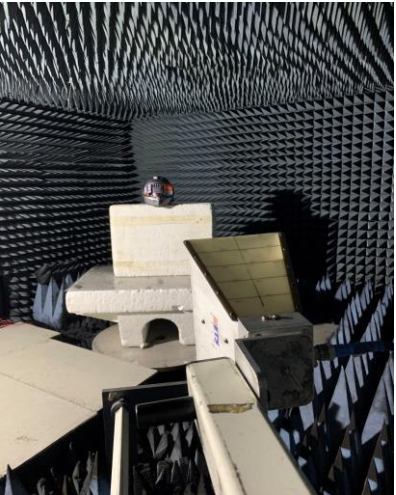
-96.39
Gain measurement calculation:
=-(Reference SA reading)+(SA reading of Antenna Power)+(Reference Signal Generator RF Power)+(Ref Antenna gain)-(Refrence Antenna cable loss)



H poztion of EUT

Frequency:	2405	MHz	
Angle (deg)	Spectrum Analyzer reading (dBuV/m)	EIRP, dBm	Antenna Pattern, dB
0	89.17	-7.22	0.00
20	88.3	-8.09	-0.87
40	86.53	-9.86	-2.64
60	85.08	-11.31	-4.09
80	75.89	-20.5	-13.28
100	79.23	-17.16	-9.94
120	89.12	-7.27	-0.05
140	89.1	-7.29	-0.07
160	87.36	-9.03	-1.81
180	85.53	-10.86	-3.64
200	81.26	-15.13	-7.91
220	86.58	-9.81	-2.59
240	79.33	-17.06	-9.84
260	86.98	-9.41	-2.19
280	89.12	-7.27	-0.05
300	83.84	-12.55	-5.33
320	85.85	-10.54	-3.32
340	87.99	-8.4	-1.18
360	88.47	-7.92	-0.70

Spectrum Analyzer Data			sweep time 20 ms	Substitution
Span	10	MHz		
RBW	1000	kHz		
VBW	3000	kHz		
Ref Level	120	dBuV/m		
SG	0	dBm		
F, MHz	2405	MHz		
SA reading	103.2	dBuV/m		
AG, dBi	9.9	dBi		
Cable Loss	3.09	dB		
Antenna polarization Vertical				
Antenna Horn HL 4474				



-96.39
Gain measurement calculation:
=-(Reference SA reading)+(SA reading of Antenna Power)+(Reference Signal Generator RF Power)+(Ref Antenna gain)-(Refrence Antenna cable loss)

