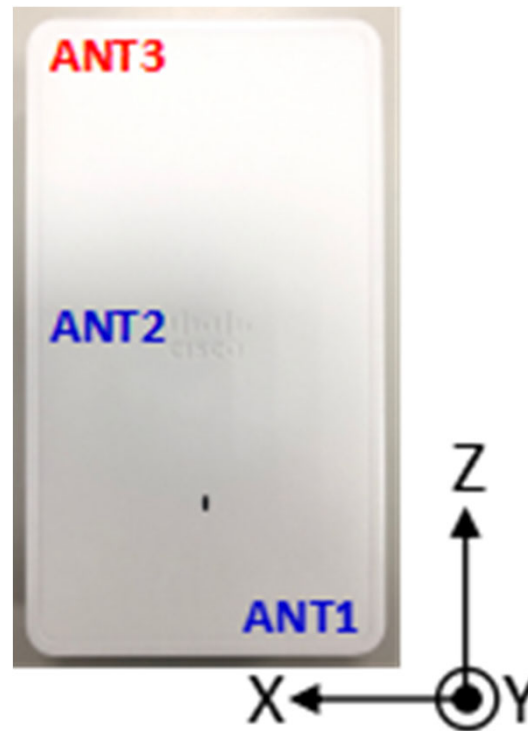
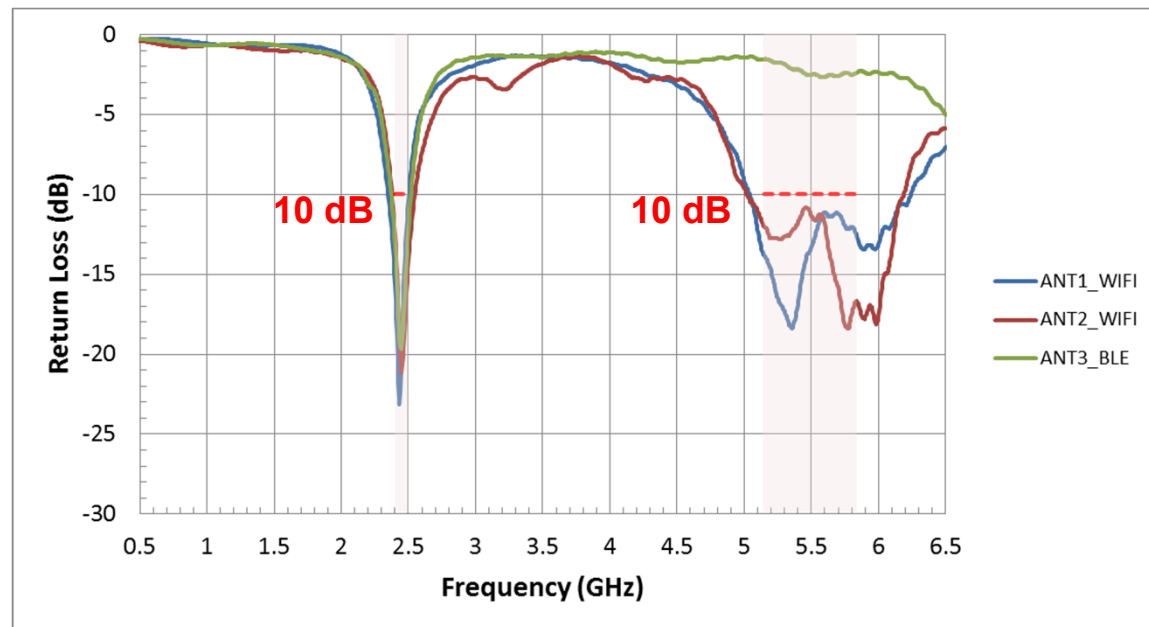


## Antenna Information

天線廠牌 : PEGATRON  
型號 : WIFI\_1 ant  
          WIFI\_2 ant  
          BLE ant  
Type : PIFA

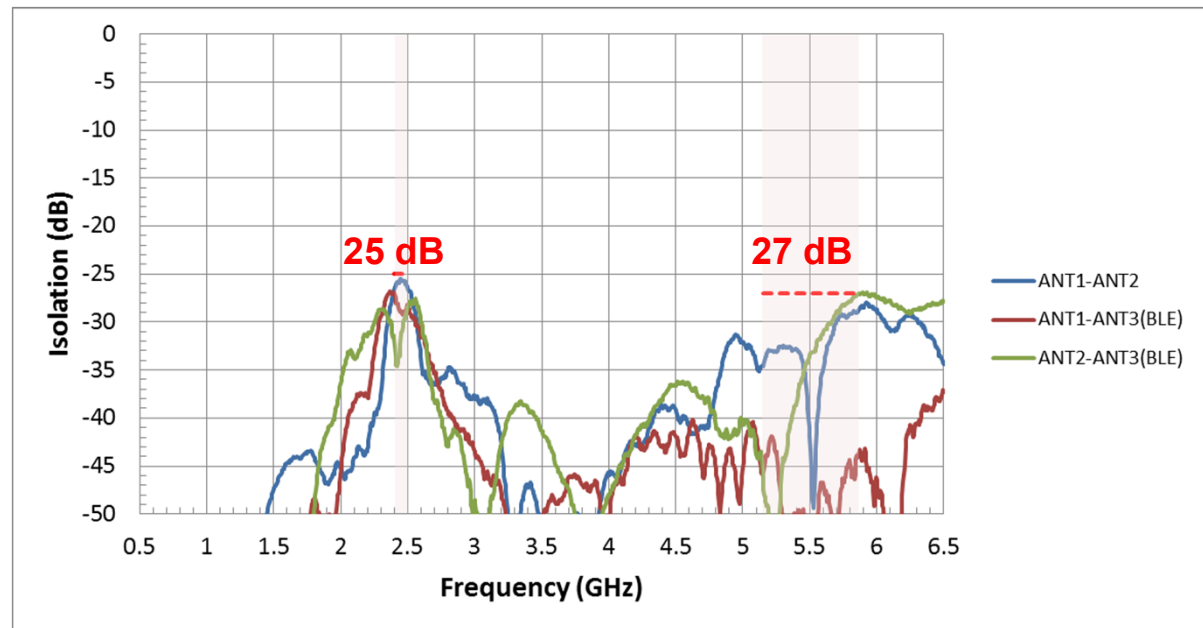


# Measured Return Loss



Return Loss > 10 dB @ 2 GHz band  
Return Loss > 10 dB @ 5 GHz band

# Measured Isolation



Isolation > 25 dB @ 2 GHz band  
Isolation > 27 dB @ 5 GHz band

## Measured Radiation Efficiency

Freq. (MHz)	2400	2412	2437	2442	2450	2462	2472	2500	Avg.
WIFI_ANT1	57	58	61	61	60	59	57	56	58
WIFI_ANT2	62	63	64	64	65	66	65	63	64
BLE_ANT3	56	57	59	60	62	62	61	60	60

Freq. (MHz)	5150	5250	5350	5470	5500	5600	5725	5850	Avg.
WIFI_ANT1	60	63	64	64	63	62	62	61	62
WIFI_ANT2	64	66	68	65	66	65	64	65	65

	Cable Length	Cable Loss
WIFI_ANT1	70 mm	-0.37 dB @ 2G -0.45 dB @ 5G
WIFI_ANT2	124 mm	-0.51 dB @ 2G -0.65 dB @ 5G
BLE_ANT3	99mm	-0.44 dB @ 2G

Unit: %

## Measured Peak Gain

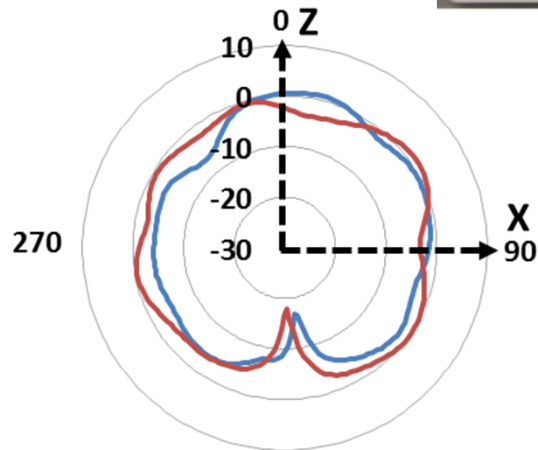
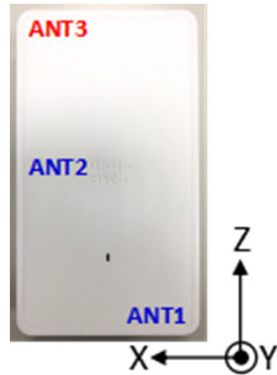
Freq. (MHz)	2400	2412	2437	2442	2450	2462	2472	2500
WIFI_ANT1	2.02	1.81	2.25	2.37	2.51	2.48	2.20	2.14
WIFI_ANT2	1.55	1.63	2.10	2.23	2.20	2.07	1.75	1.99
Difference	0.47	0.18	0.15	0.14	0.31	0.41	0.45	0.15

Freq. (MHz)	5150	5250	5350	5470	5500	5600	5725	5850
WIFI_ANT1	4.91	4.97	4.88	4.93	4.82	4.73	4.78	4.93
WIFI_ANT2	4.58	4.76	4.60	4.41	4.35	4.25	4.40	4.56
Difference	0.33	0.21	0.28	0.52	0.47	0.48	0.38	0.37

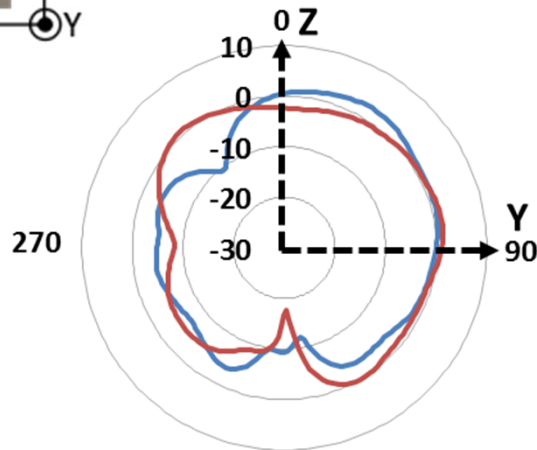
Freq. (MHz)	2400	2412	2437	2442	2450	2462	2472	2500
BLE_ANT3	2.47	2.45	2.55	2.70	2.69	2.64	2.58	2.62

Unit: dBi

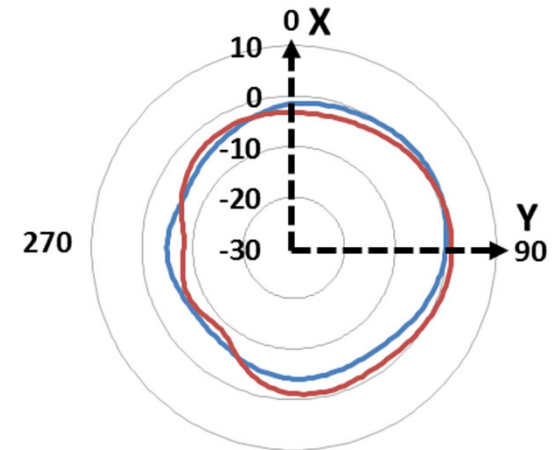
# Measured Radiation Patterns @ 2.45 GHz



X-Z cut 180

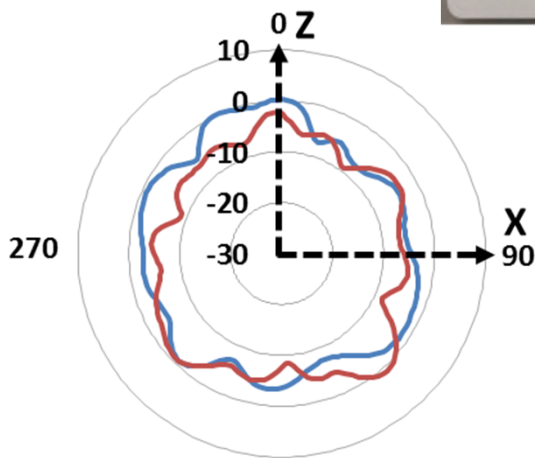
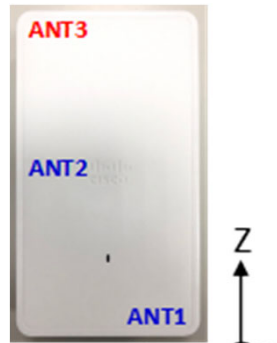


Y-Z cut 180

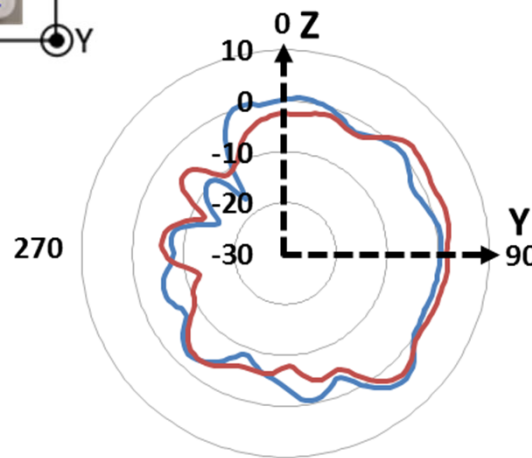


X-Y cut 180

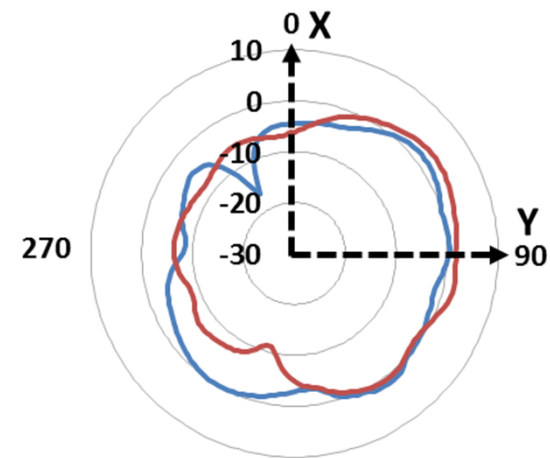
# Measured Radiation Patterns @ 5.5 GHz



X-Z cut 180



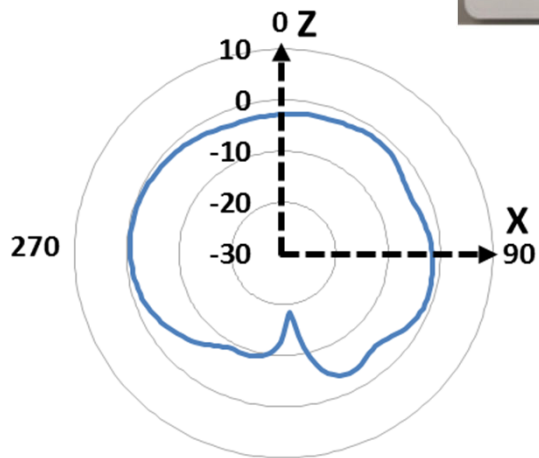
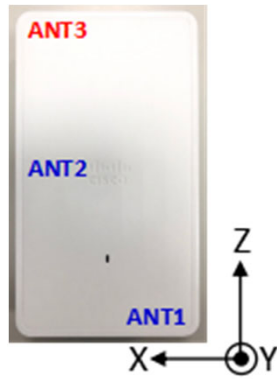
Y-Z cut 180



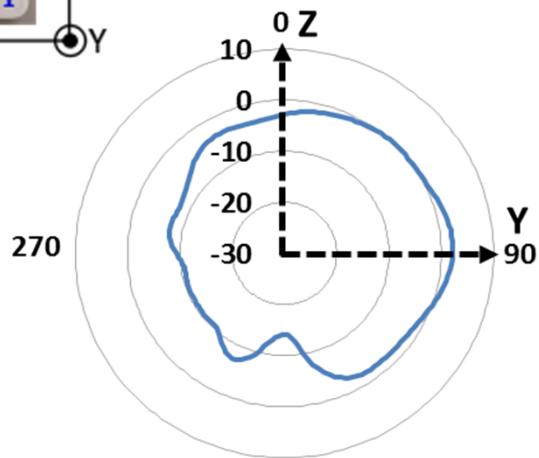
X-Y cut 180

# Measured Radiation Patterns @ 2.45 GHz\_BLE

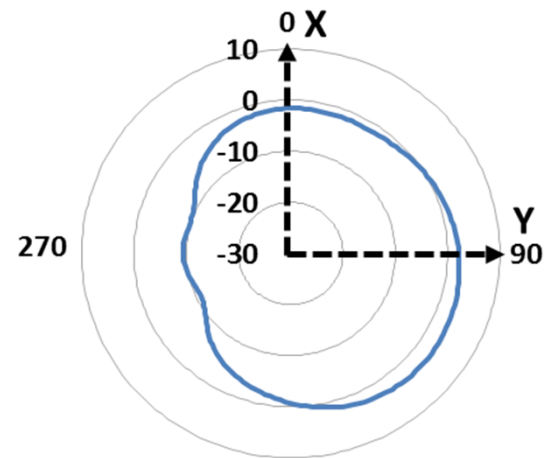
— ANT3



X-Z cut 180



Y-Z cut 180



X-Y cut 180