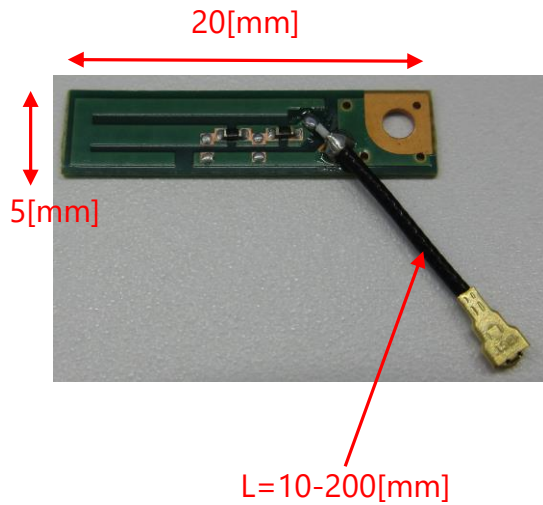


Antenna Specification

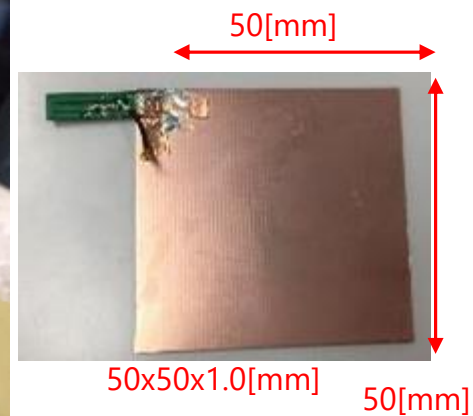
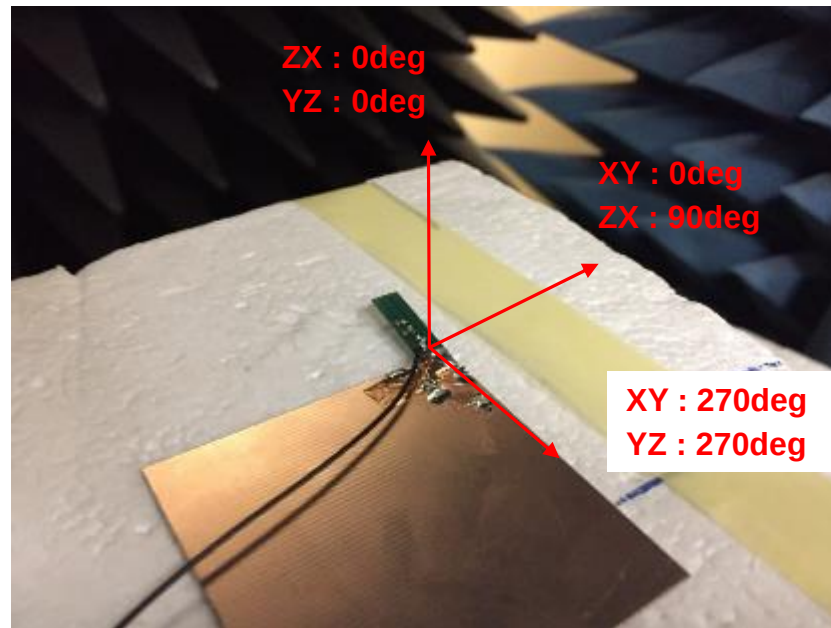
- Antenna Model Name : 2337333-x
(“-x” is difference suffix of “cable length” and “matching parameter”)
 - Antenna type : mono pole
 - Antenna Gain : 2.98dBi@2480MHz
4.94dBi@5350MHz
 - Frequency : 2400-2483.5MHz, 5150-5850MHz
 - Cable length : 10-200mm
-

Antenna Data

- Antenna



- Measure condition



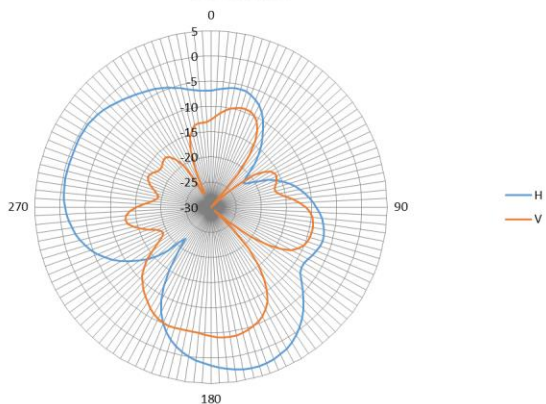
Antenna Data : 2337333-x

<2.4GHz>

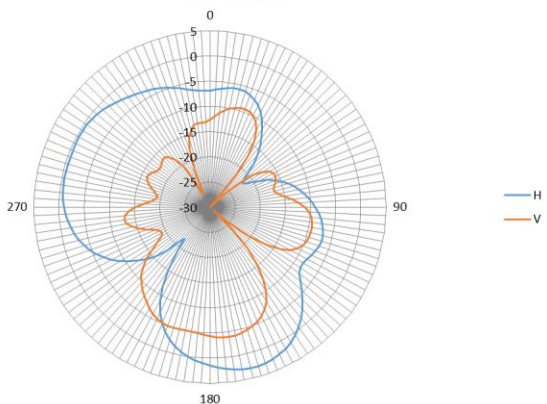
Liniar Polarization		XY-Plane		YZ-Plane		ZX-Plane	
		Hor. [dBi]	Ver. [dBi]	Hor. [dBi]	Ver. [dBi]	Hor. [dBi]	Ver. [dBi]
2400MHz	MAX	1.83	-5.16	-2.51	0.74	-0.74	0.94
	AVG	-3.83	-11.44	-6.88	-3.92	-6.06	-2.70
2440MHz	MAX	2.24	-4.37	-2.75	0.77	0.33	1.27
	AVG	-3.68	-10.71	-6.95	-3.87	-5.60	-2.56
2480MHz	MAX	2.98	-3.94	-2.48	1.53	1.03	1.67
	AVG	-3.11	-10.30	-6.70	-3.30	-5.06	-2.20

Peak Gain
Frequency

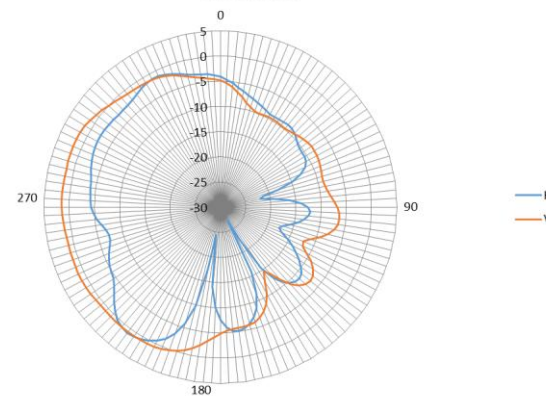
XY Radiation Pattern
2480MHz



XY Radiation Pattern
2480MHz



XZ Radiation Pattern
2480MHz



Antenna Data : 2337333-x

<5GHz>

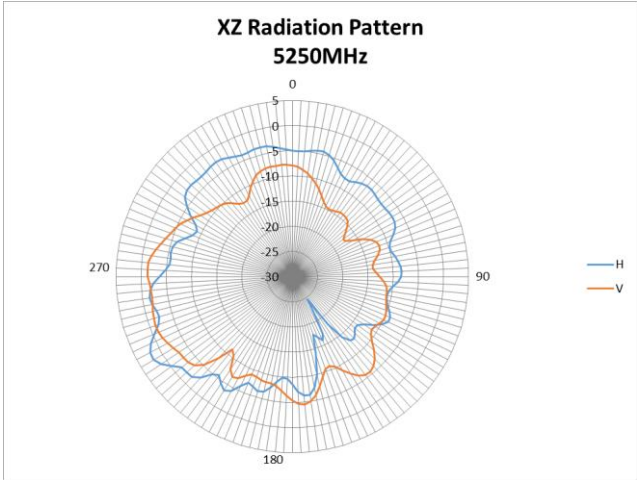
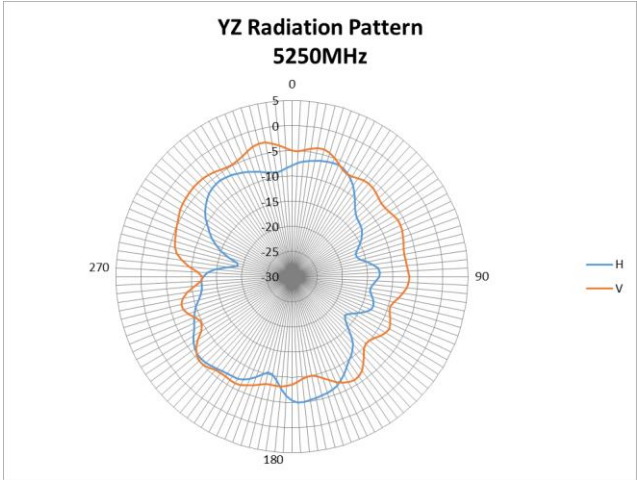
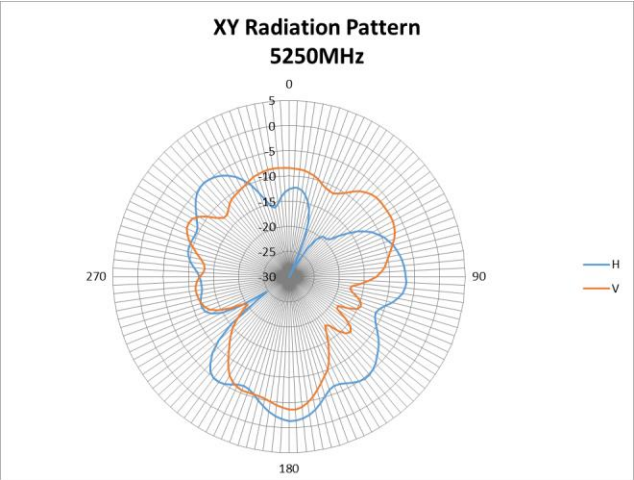
Liniar Polarization		XY-Plane		YZ-Plane		ZX-Plane	
		Hor. [dBi]	Ver. [dBi]	Hor. [dBi]	Ver. [dBi]	Hor. [dBi]	Ver. [dBi]
5150MHz	MAX	1.49	-0.66	-2.24	-2.08	4.41	1.61
	AVG	-4.87	-7.45	-6.56	-5.23	-2.76	-4.25
5250MHz	MAX	-1.34	-3.57	-4.95	-2.79	2.07	-1.15
	AVG	-7.69	-9.17	-8.82	-6.28	-5.09	-6.73
5350MHz	MAX	0.10	-0.75	-2.37	-2.35	4.94	0.65
	AVG	-6.09	-7.20	-6.82	-5.73	-2.67	-5.14
5550MHz	MAX	-2.07	-2.17	-5.34	-4.01	2.89	-0.80
	AVG	-7.93	-8.41	-9.85	-6.93	-4.38	-6.72
5750MHz	MAX	0.19	-1.73	0.03	4.70	1.78	1.81
	AVG	-6.04	-7.89	-5.56	-1.93	-3.90	-3.54
5850MHz	MAX	-2.01	-7.73	-1.96	-3.30	-0.12	-1.75
	AVG	-7.60	-12.27	-7.88	-6.83	-7.30	-7.36

Peak Gain
Frequency

Antenna Data : 2337333-x

<5GHz W52>

Liniar Polarization		XY-Plane		YZ-Plane		ZX-Plane	
		Hor. [dBi]	Ver. [dBi]	Hor. [dBi]	Ver. [dBi]	Hor. [dBi]	Ver. [dBi]
5250MHz	MAX	-1.34	-3.57	-4.95	-2.79	2.07	-1.15
	AVG	-7.69	-9.17	-8.82	-6.28	-5.09	-6.73

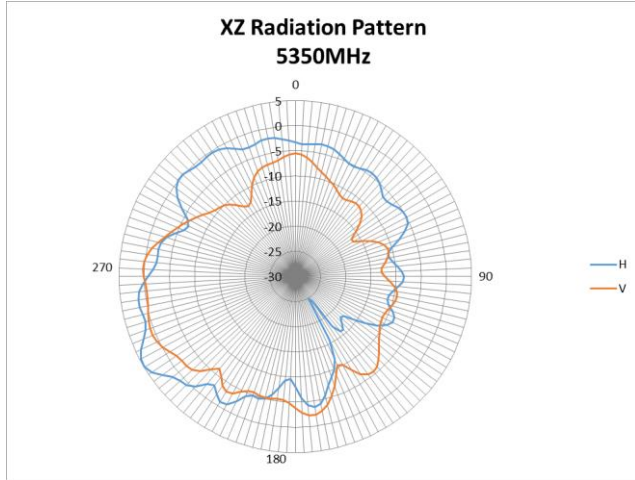
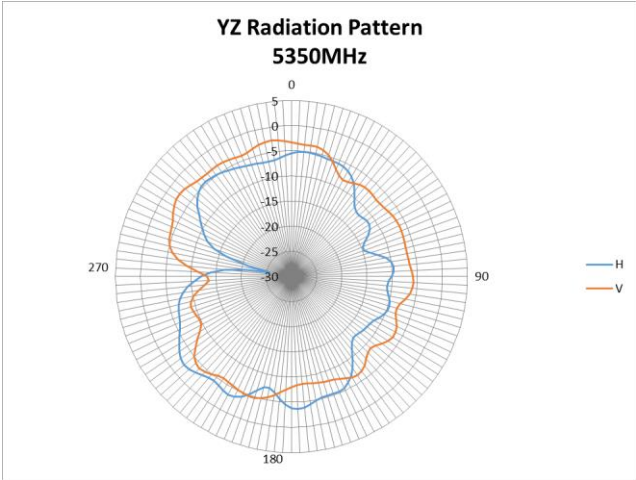
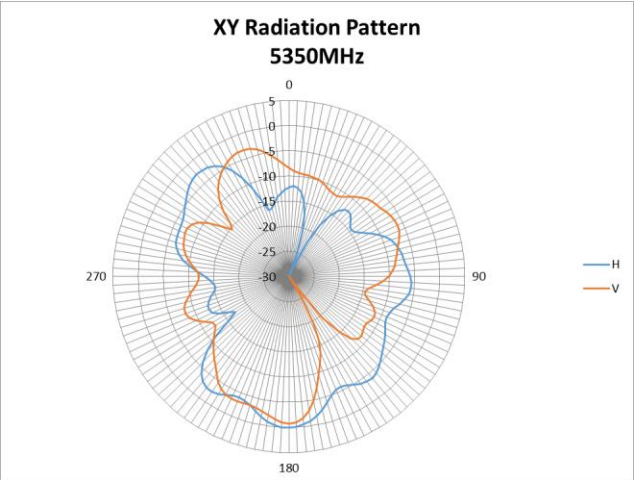


Antenna Data : 2337333-x

<5GHz W53 (peak)>

Liniar Polarization		XY-Plane		YZ-Plane		ZX-Plane	
		Hor. [dBi]	Ver. [dBi]	Hor. [dBi]	Ver. [dBi]	Hor. [dBi]	Ver. [dBi]
5350MHz	MAX	0.10	-0.75	-2.37	-2.35	4.94	0.65
	AVG	-6.09	-7.20	-6.82	-5.73	-2.67	-5.14

Peak Gain
Frequency

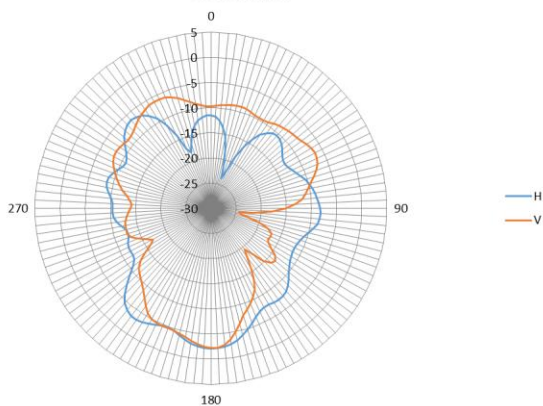


Antenna Data : 2337333-x

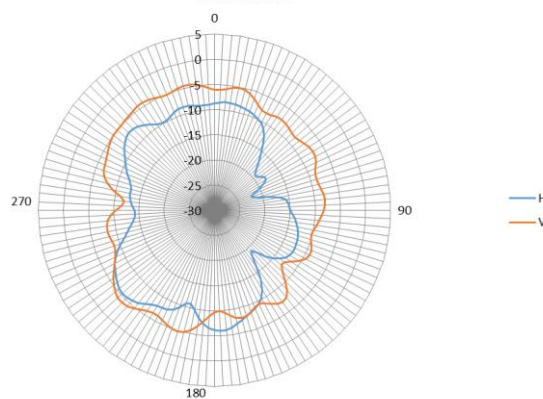
<5GHz W56>

Liniar Polarization		XY-Plane		YZ-Plane		ZX-Plane	
		Hor. [dBi]	Ver. [dBi]	Hor. [dBi]	Ver. [dBi]	Hor. [dBi]	Ver. [dBi]
5550MHz	MAX	-2.07	-2.17	-5.34	-4.01	2.89	-0.80
	AVG	-7.93	-8.41	-9.85	-6.93	-4.38	-6.72

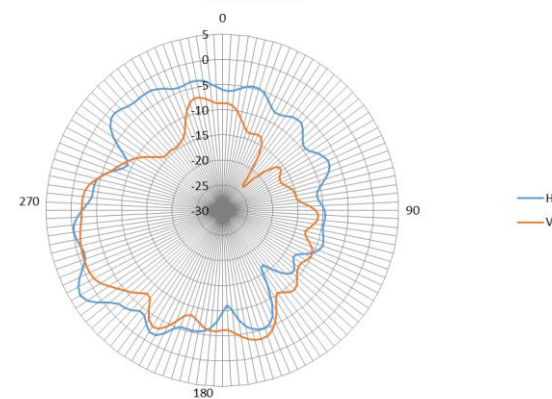
XY Radiation Pattern
5550MHz



YZ Radiation Pattern
5550MHz



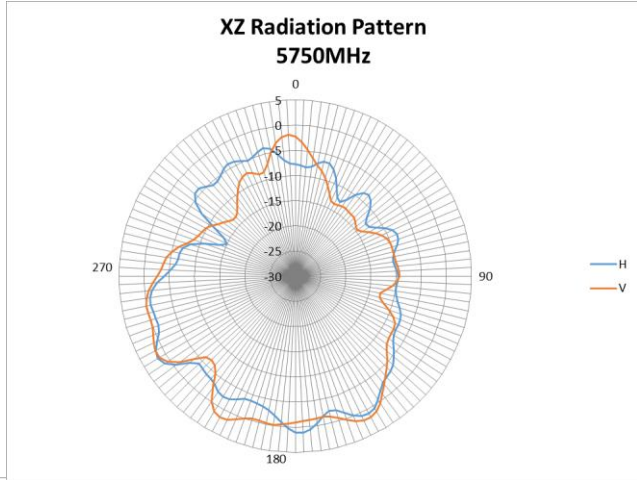
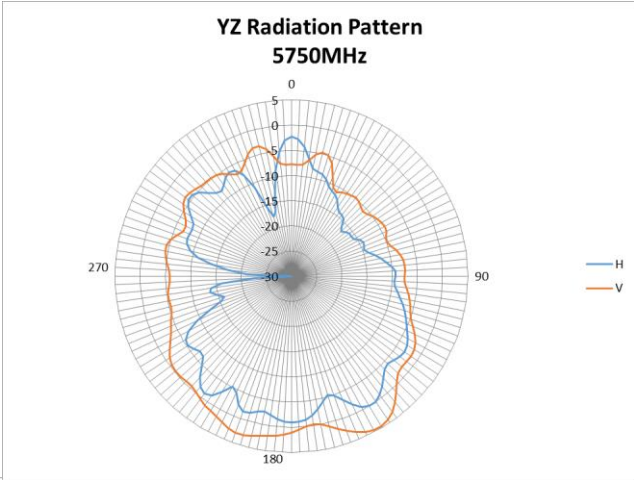
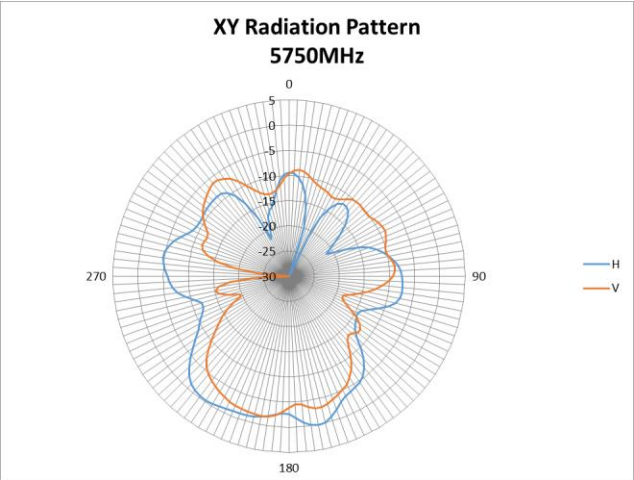
XZ Radiation Pattern
5550MHz

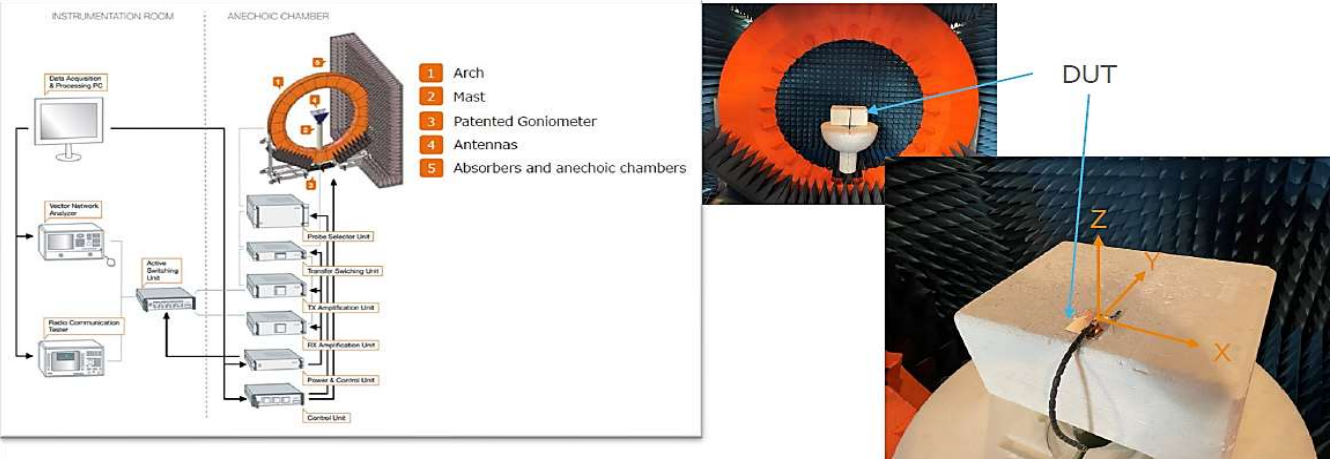


Antenna Data : 2337333-x

<5GHz W58>

Liniar Polarization		XY-Plane		YZ-Plane		ZX-Plane	
		Hor. [dBi]	Ver. [dBi]	Hor. [dBi]	Ver. [dBi]	Hor. [dBi]	Ver. [dBi]
5750MHz	MAX	0.19	-1.73	0.03	4.70	1.78	1.81
	AVG	-6.04	-7.89	-5.56	-1.93	-3.90	-3.54



Specification Item (English)		
Test Date		Sep 8, 2022
Test Engineer		Tyco Electronics Japan G.K. Tamura
Calibrated Measuring Instrument (Calibration Date: March 9, 2022)	Reference Antenna	Dual-Ridge horn antenna, SH600-154, MVG
	Measurement Probe	Multi-Probe Measurement system, SG24, MVG
	Measurement Equipment	ENA Network Analyzer, E5071C, Keysight
Measurement Software		Automated Antenna and OTA Measurement Software Suite, Wave Studio, MVG Near-Field to Far-Field Transformation Software, MV-Sphere, MVG
Measurement System / Test Setup		
Measurement Method	Measurable Frequency Range:	400 MHz to 10000 MHz
	Quiet Zone:	Spherical Space Diameter 0.84 m