

Regulatory WLAN Antenna Information

Platform information										
Brand		ODM		RMN		Intel platform (ex: Yes, No or NA)		Platform type (ex: regular NB, convertible PC, AIO...etc)		*SAR minimum separation (mm)
HP Inc.		Inventec		HSC-I008R15		YES		AIO		N/A
Antenna information										
Vendor			Type			Antenna Part number (Main/Tx1)		Antenna Part number (Aux/Tx2)		
WNC			PIFA			IEC : 6036B0396101 WNC : 81EAB615.GBC		IEC : 6036B0396201 WNC : 81EAB615.GBB		
Peak gain w/ cable loss (dBi)*										
	2.4GHz 2400-2483.5 MHz	5.2GHz 5150-5250MHz	5.3GHz 5250-5350MHz	5.6GHz 5470-5725MHz	5.8GHz 5725-5850MHz	5.9GHz 5850-5895MHz	6.2GHz 5925-6425MHz	6.5GHz 6425-6525MHz	6.7GHz 6525-6875MHz	7.0 GHz 6875-7125MHz
Main	2.61	2.22	2.36	0.85	0.31	-0.23	0.34	-0.30	1.18	0.60
Aux	2.66	1.85	1.63	1.82	1.93	2.03	0.57	-0.06	-0.65	-0.52
Module Information										
Model			Form factor and suffixes							
Qualcomm SOM										
Antenna Vendor Address										
Antenna Vendor			WNC							
contact person			Annie Lo							
E-mail			annie.lo@wnc.com.tw							
Tel/Mobile			886-3-666-7799 ext: 3415							
Web address			https://www.wnc.com.tw							
Address			20 Park Avenue II, Hsinchu Science Park Hsinchu 300, Taiwan							

Antenna Information

Section 1. Antenna Assembly Specifications

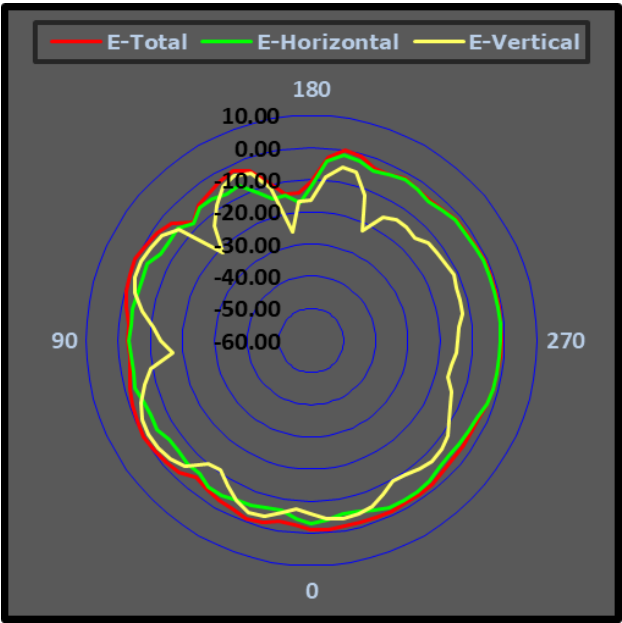
1A Antenna Part Number	1B Manufacturer	1C Antenna Type	1D Cable Assembly Part Number and Information	Freq Range MHz	1E * Peak Gain W/ Cable loss (dBi)	1F Peak Gain w/o Cable Loss (dBi)	1G Max VSWR	1H Cable Loss (dB)
P/N: IEC: 6036B0396101 WNC: 81EAB615.GBC Main Antenna (TX1)	WNC	PIFA	Connector: IPEX (P/N: 20565-001R-13) 50 ohm Coaxial length: 211mm diameter: 1.13mm	2400-2495	2.61	3.37	3	0.76
				5150-5250	2.22	3.33	3	1.10
				5250-5350	2.36	3.49	3	1.13
				5470-5725	0.85	2.00	3	1.16
				5725-5850	0.31	1.49	3	1.18
				5850-5895	-0.23	0.96	3	1.21
				5925-6425	0.34	1.57	3	1.24
				6425-6525	-0.30	0.98	3	1.27
				6525-6875	1.18	2.48	3	1.31
				6875-7125	0.60	1.95	3	1.35
P/N: IEC: 6036B0396201 WNC: 81EAB615.GBB Aux Antenna (TX2)	WNC	PIFA	Connector: IPEX (P/N: 20565-001R-13) 50 ohm Coaxial length: 308mm diameter: 1.13mm	2400-2495	2.66	3.77	3	1.11
				5150-5250	1.85	3.47	3	1.61
				5250-5350	1.63	3.27	3	1.65
				5470-5725	1.82	3.51	3	1.69
				5725-5850	1.93	3.65	3	1.72
				5850-5895	2.03	3.77	3	1.77
				5925-6425	0.57	2.36	3	1.81
				6425-6525	-0.06	1.80	3	1.86
				6525-6875	-0.65	1.26	3	1.91
				6875-7125	-0.52	1.46	3	1.97

Section 3. Radiation characteristics of antenna loaded in Host Platform

Main Antenna

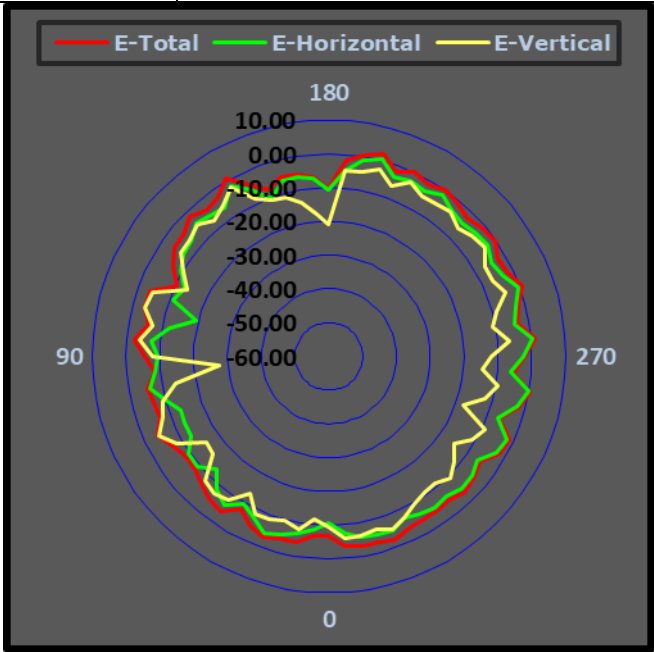
Max Antenna 2D Radiation Pattern 2400 – 2483.5 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
2400-2483.5	2.61



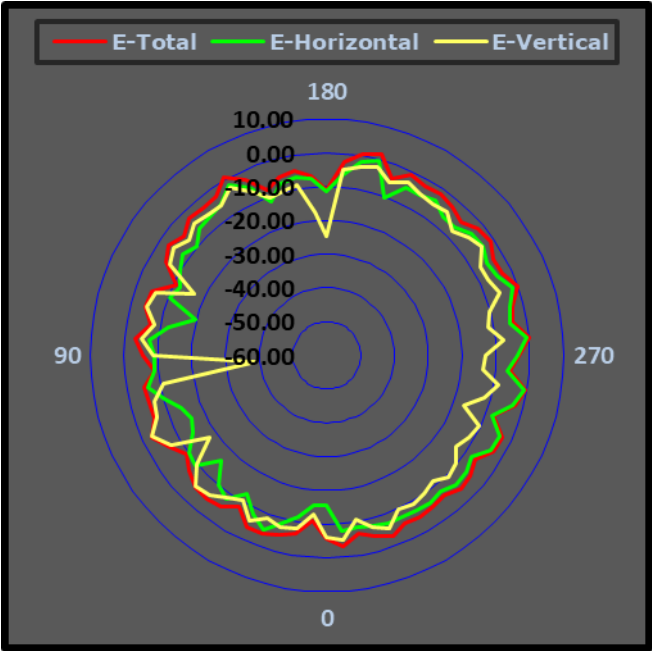
Max Antenna 2D Radiation Pattern 5150-5250 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5150-5250	2.22



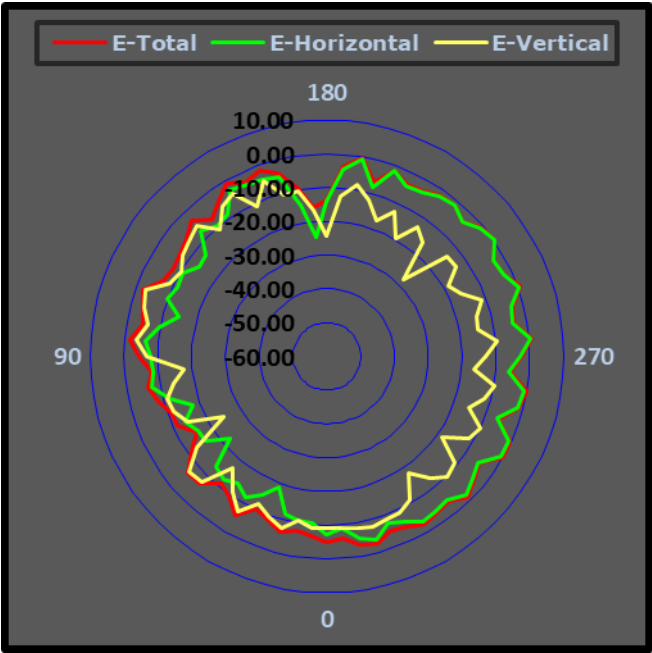
Max Antenna 2D Radiation Pattern 5250-5350 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5250-5350	2.36



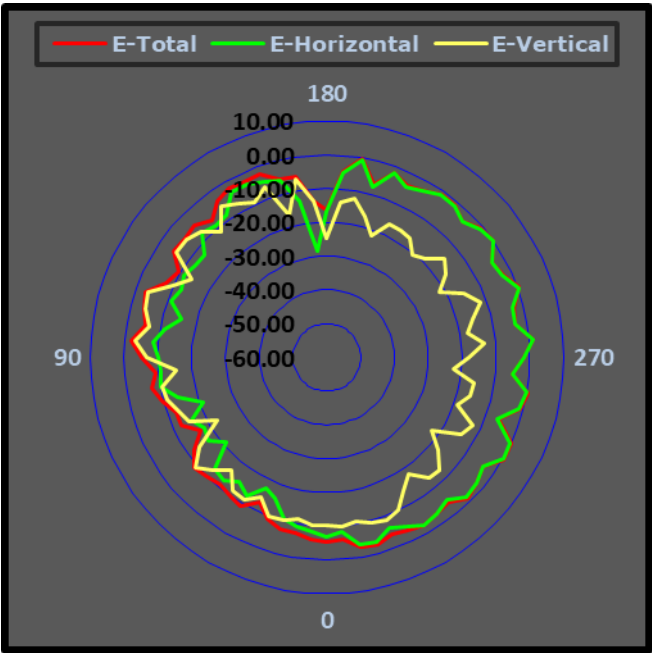
Max Antenna 2D Radiation Pattern 5470-5725 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5470-5725	0.85



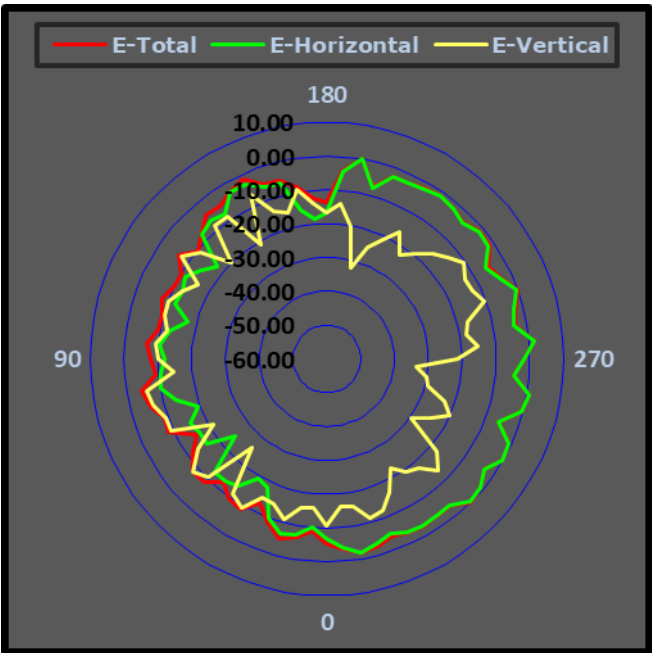
Max Antenna 2D Radiation Pattern 5725-5850 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5725-5850	0.31



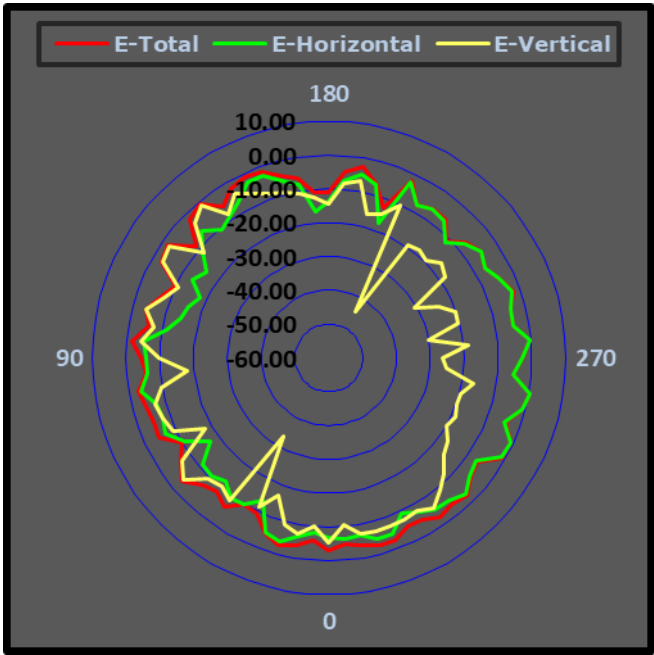
Max Antenna 2D Radiation Pattern 5850-5895 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5850-5895	-0.23



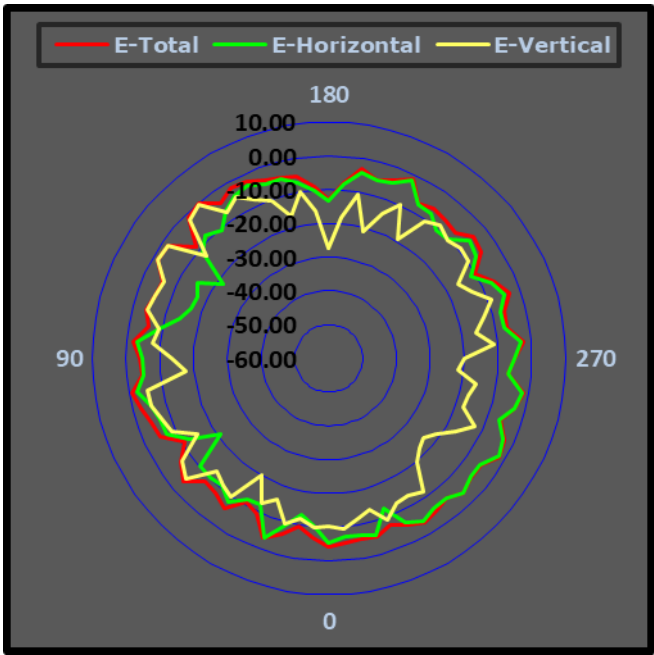
Max Antenna 2D Radiation Pattern 5925-6425 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5925-6425	0.34



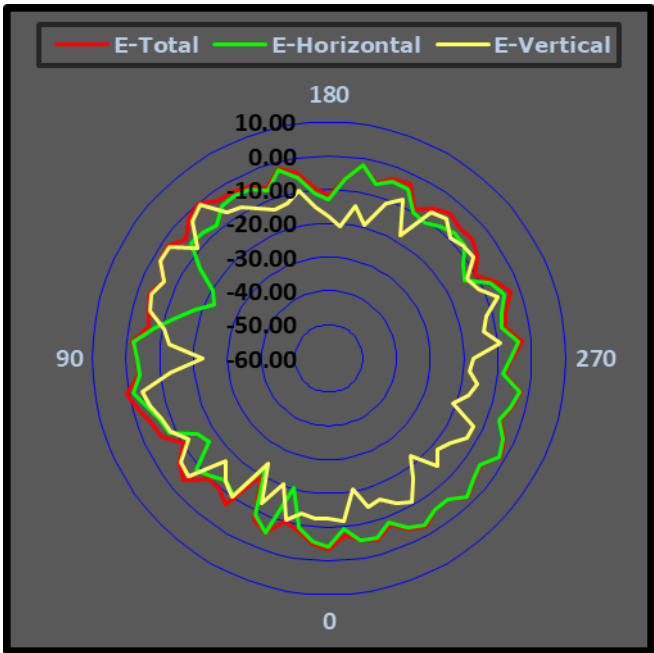
Max Antenna 2D Radiation Pattern 6425-6525 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
6425-6525	-0.30



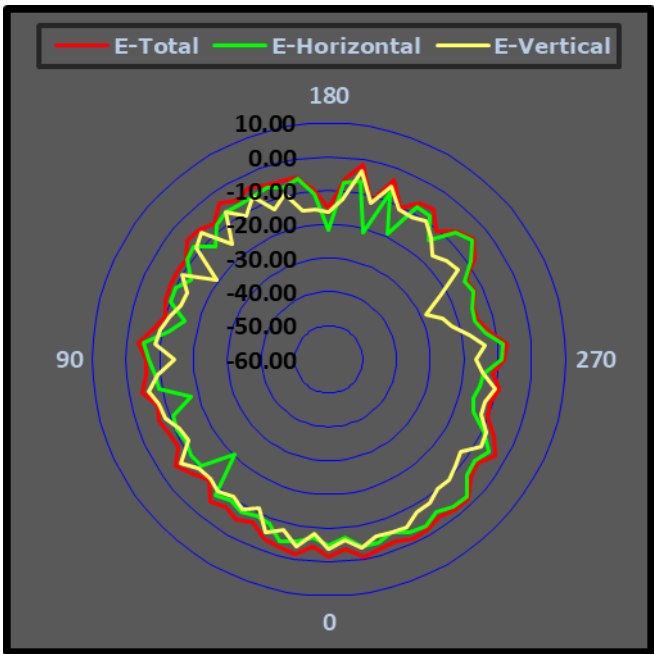
Max Antenna 2D Radiation Pattern 6525-6875 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
6525-6875	1.18



Max Antenna 2D Radiation Pattern 6875-7125 MHz

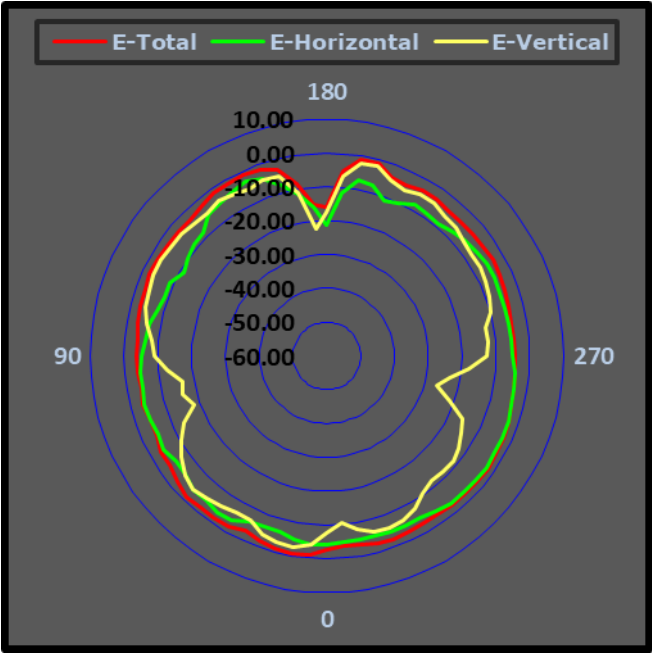
Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
6875-7125	0.60



Auxiliary Antenna

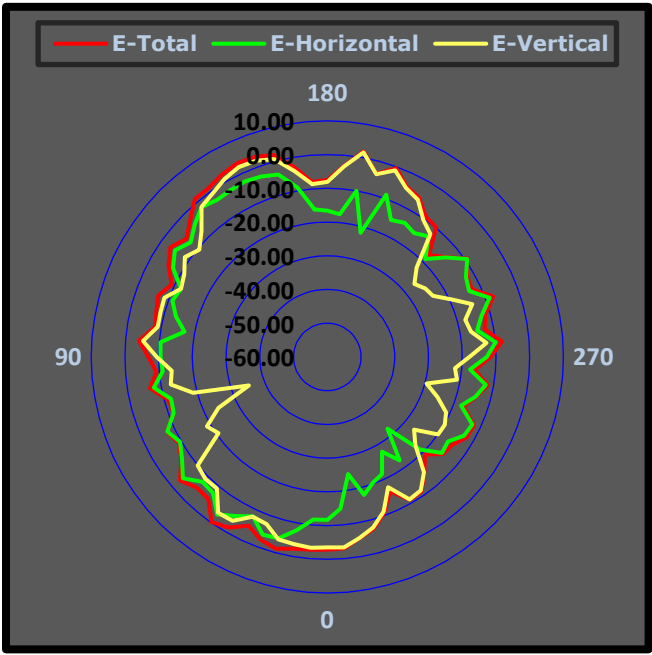
Max Antenna 2D Radiation Pattern 2400 – 2495 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
2400-2495	2.66



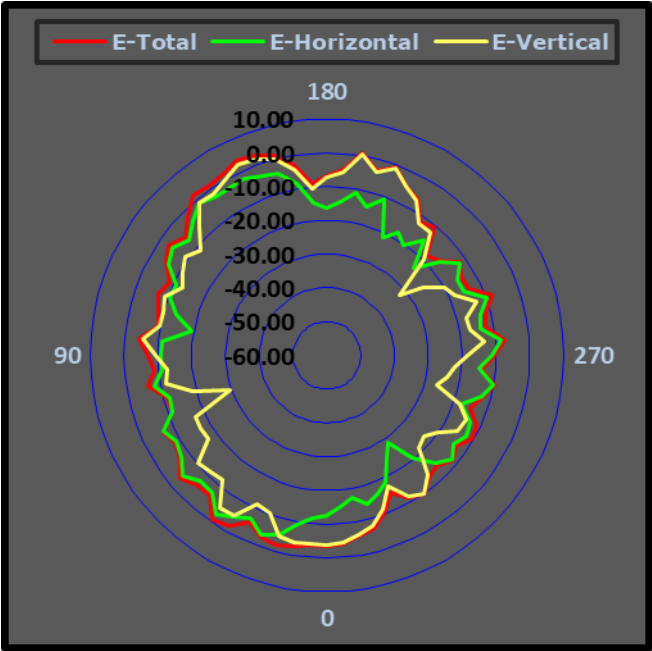
Max Antenna 2D Radiation Pattern 5150-5250 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5150-5250	1.85



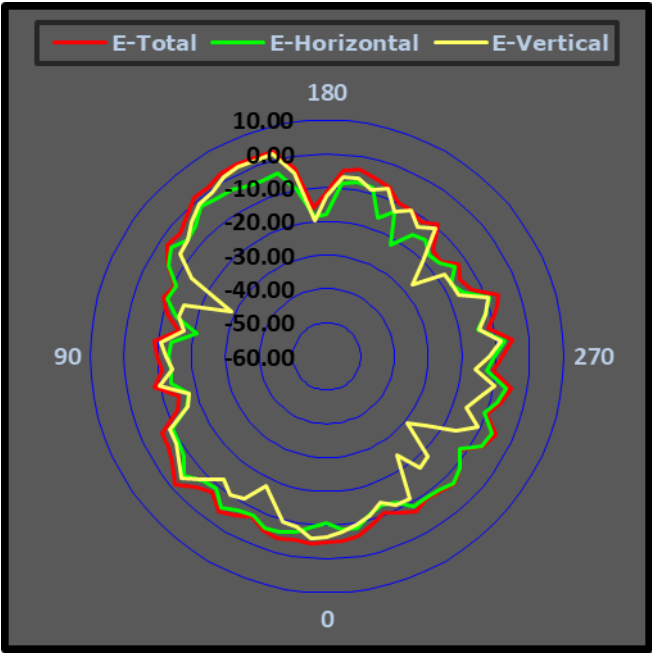
Max Antenna 2D Radiation Pattern 5250-5350 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5250-5350	1.63



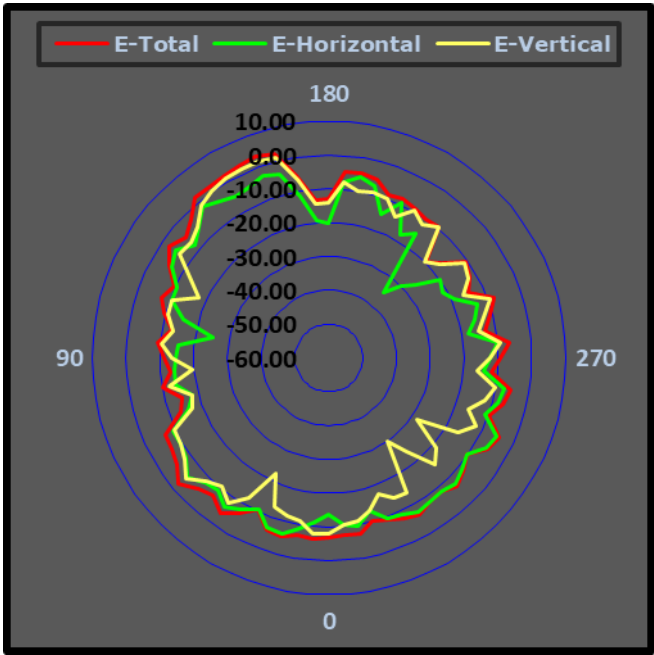
Max Antenna 2D Radiation Pattern 5470-5725 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5470-5725	1.82



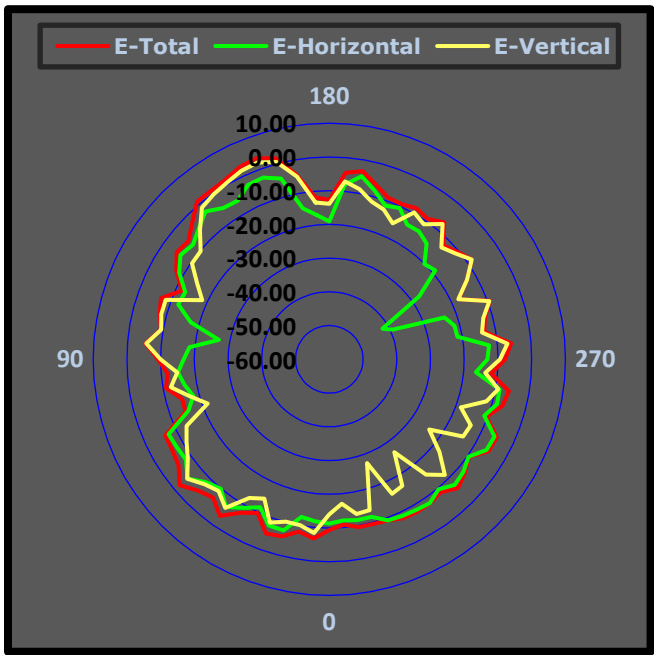
Max Antenna 2D Radiation Pattern 5725-5850 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5725-5850	1.93



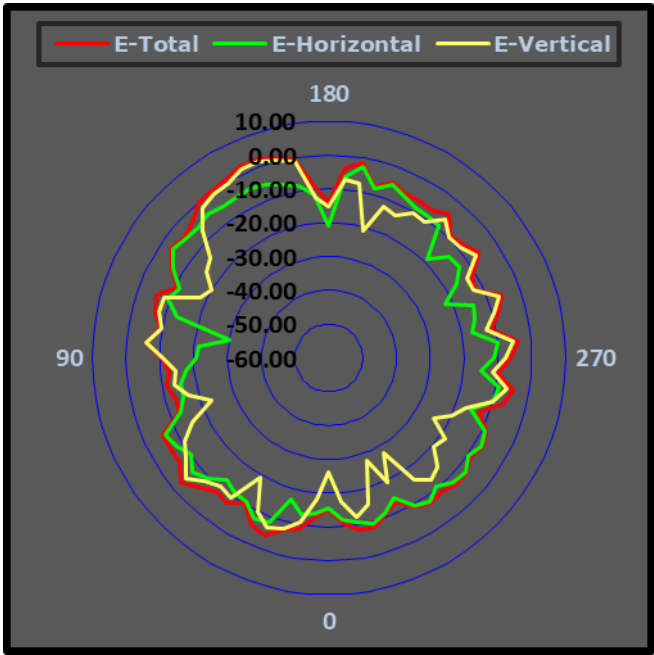
Max Antenna 2D Radiation Pattern 5850-5895 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5850-5895	2.03



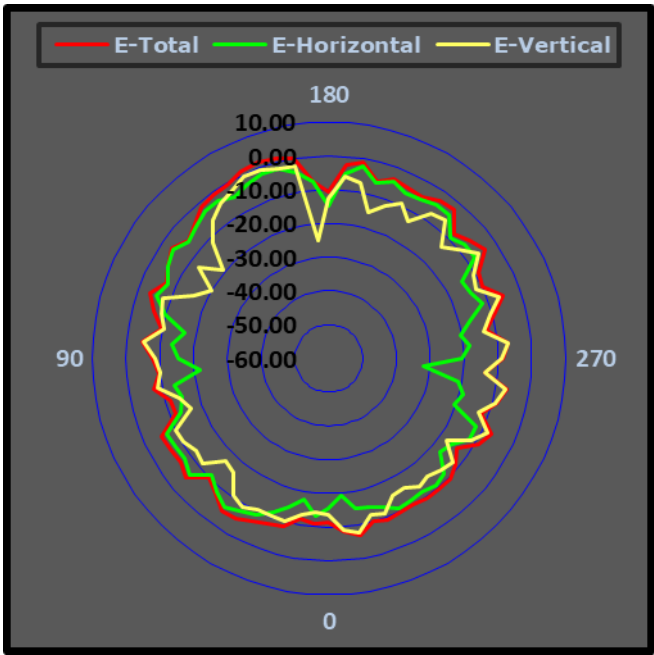
Max Antenna 2D Radiation Pattern 5925-6425 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
5925-6425	0.57



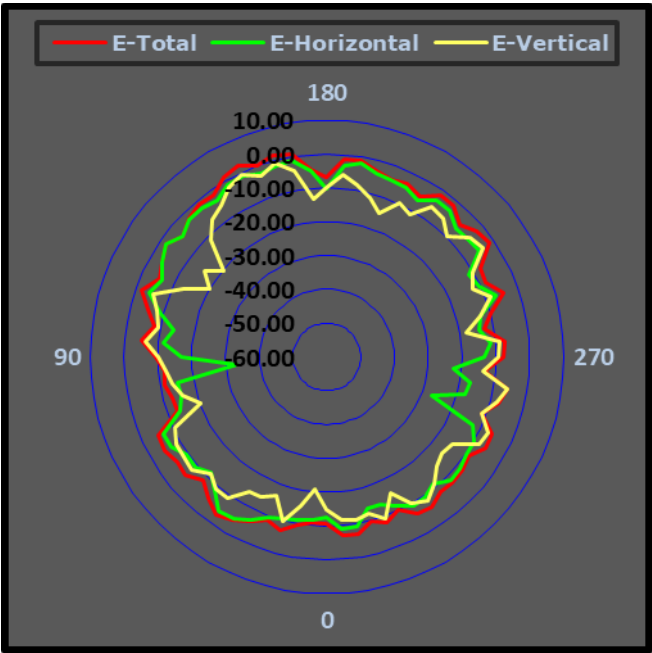
Max Antenna 2D Radiation Pattern 6425-6525 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
6425-6525	-0.06



Max Antenna 2D Radiation Pattern 6525-6875 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
6525-6875	-0.65



Max Antenna 2D Radiation Pattern 6875-7125 MHz

Frequency (MHz)	Horizontal+ Vertical (dBi) peak (dBi)
6875-7125	-0.52

