

Regulatory WLAN Antenna Information (Template)

English Language Required for Intel Regulatory Review / Approval

(OEM/ODM or antenna vendor is required to complete this document with platform antenna information.

Remove Intel references and make this your own document)

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.	Compal	Pappy	Yes		Regular NB		4.35mm				
*****Please fill in exact product model name and make sure the model name is visible on product cover or any parts for end users recognize for authority inspection.											
Antenna information											
Vendor		Type	Antenna Part number (Main/Tx2)			Antenna Part number (Aux/Tx1)					
WNC		PIFA	81EABP15.G21 (DC33002NQ00)			81EABP15.G22 (DC33002NQ10)					
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	1.69	2.09	1.64	2.25	2.06	1.91	2.8	2.48	2.89	2.97	
Aux	1.88	2.11	2.25	2.59	2.68	2.41	2.71	2.05	2.24	2.56	
Module Information											
Model		Form factor and suffixes									
RTL8852CE		Realtek Champagne 8852CE Wi-Fi 6E +Bluetooth 5.3 M.2 2230 PCI-e+USB WW WLAN									

Antenna Information

Section 1. Antenna Assembly Specifications

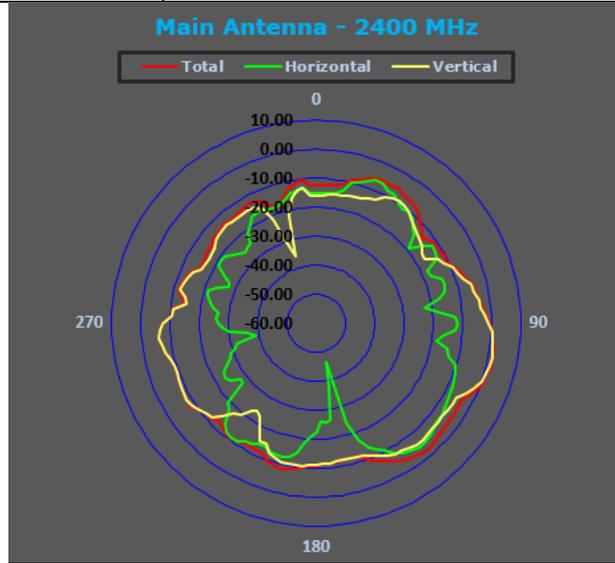
1A Antenna Part Number	1B Manufacturer	1C Antenna Type	1D Cable Assembly Part Number and Information	Freq Range MHz	1E * Peak Gain W/ Cable loss (dBi)	1F Peak Gain w/o Cable Loss (dBi)	1G Max VSWR	1H Cable Loss (dB)
(P/N:81EABP15.G21) Main Antenna (TX2)	Wistron Neweb Corporation	PIFA	P/N: MHF-4L PLUG -20565-001R-13 50 ohm Coaxial length: 124.5cm diameter: 1.13mm	2400-2495	1.69	2.10	3	0.41
				5150-5250	2.09	2.66	3	0.57
				5250-5350	1.64	2.21	3	0.57
				5470-5725	2.25	2.84	3	0.59
				5725-5850	2.06	2.66	3	0.60
				5850-5895	1.91	2.46	3	0.55
				5925-6425	2.80	3.37	3	0.57
				6425-6525	2.48	3.15	3	0.67
				6525-6875	2.89	3.60	3	0.71
				6875-7125	2.97	3.73	3	0.76
(P/N: 81EABP15.G22) Aux Antenna (TX1)	Wistron Neweb Corporation	PIFA	P/N: MHF-4L PLUG -20565-001R-13 50 ohm Coaxial length: 179cm diameter: 1.13mm	2400-2495	1.88	2.45	3	0.55
				5150-5250	2.11	2.88	3	0.77
				5250-5350	2.25	3.02	3	0.77
				5470-5725	2.59	3.39	3	0.80
				5725-5850	2.68	3.49	3	0.81
				5850-5895	2.41	3.24	3	0.83
				5925-6425	2.71	3.55	3	0.84
				6425-6525	2.05	2.93	3	0.88
				6525-6875	2.24	3.16	3	0.92
				6875-7125	2.56	3.53	3	0.97

Section 3. Radiation characteristics of antenna loaded in Host Platform

Main Antenna

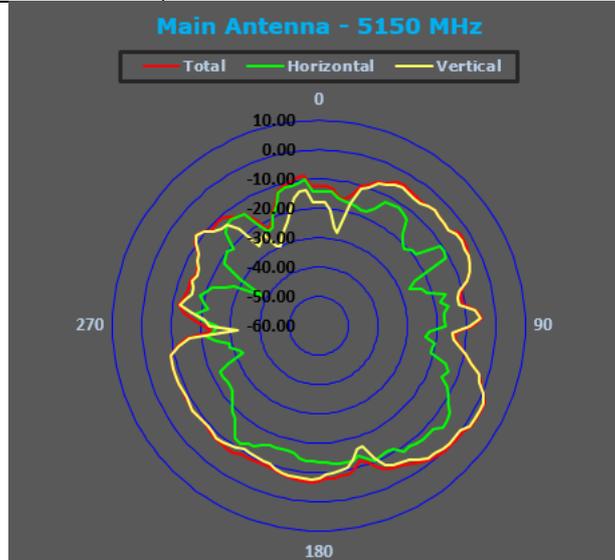
Max Antenna 3D Radiation Pattern 2400 – 2483.5 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
2400-2483.5	1.69



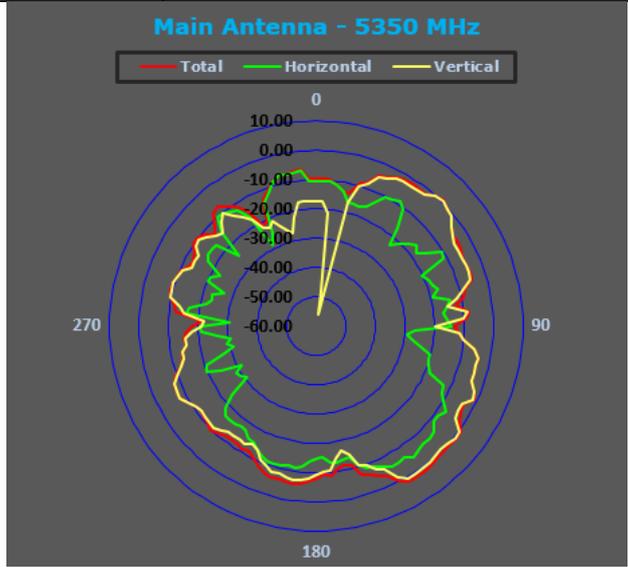
Max Antenna 3D Radiation Pattern 5150-5250 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5150-5250	2.09



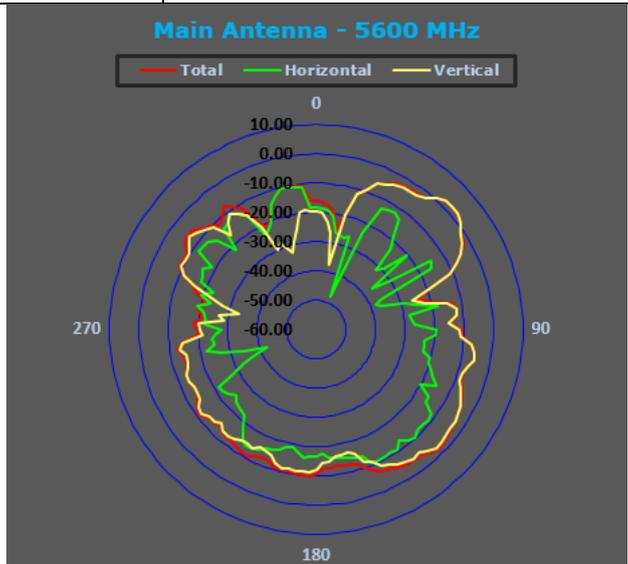
Max Antenna 3D Radiation Pattern 5250-5350 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5250-5350	1.64



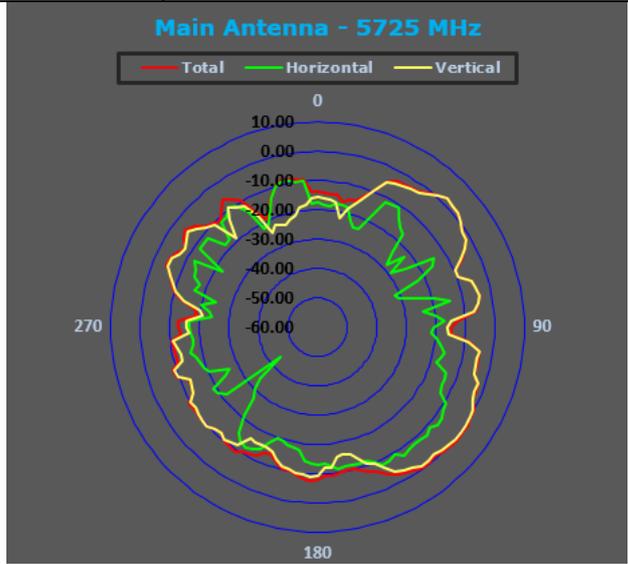
Max Antenna 3D Radiation Pattern 5470-5725 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5470-5725	2.25



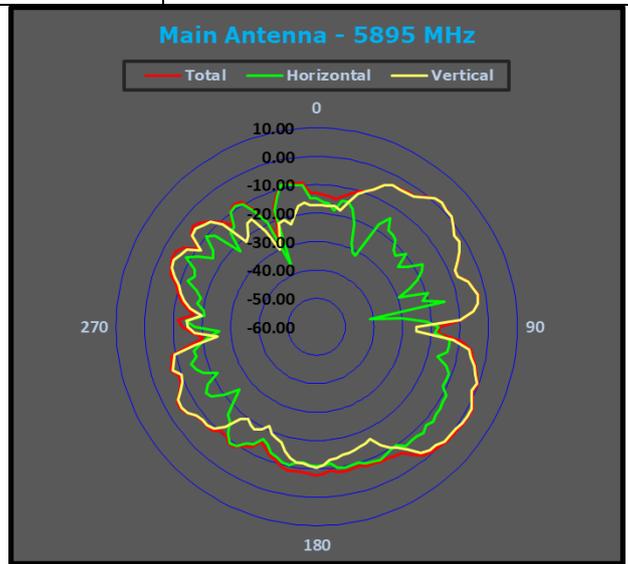
Max Antenna 3D Radiation Pattern 5725-5850 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5725-5850	2.06



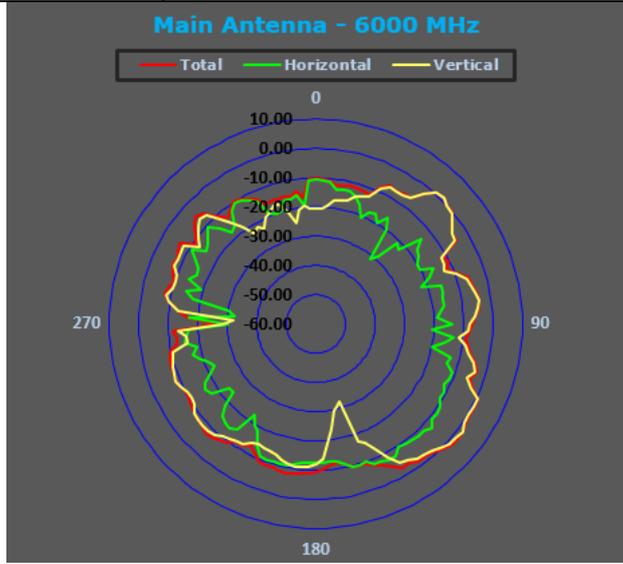
Max Antenna 3D Radiation Pattern 5850-5895 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5850-5895	1.91



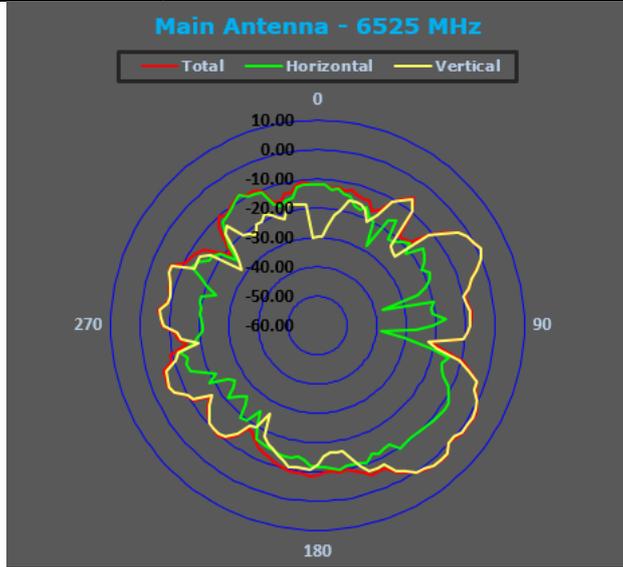
Max Antenna 3D Radiation Pattern 5925-6425 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5925-6425	2.80



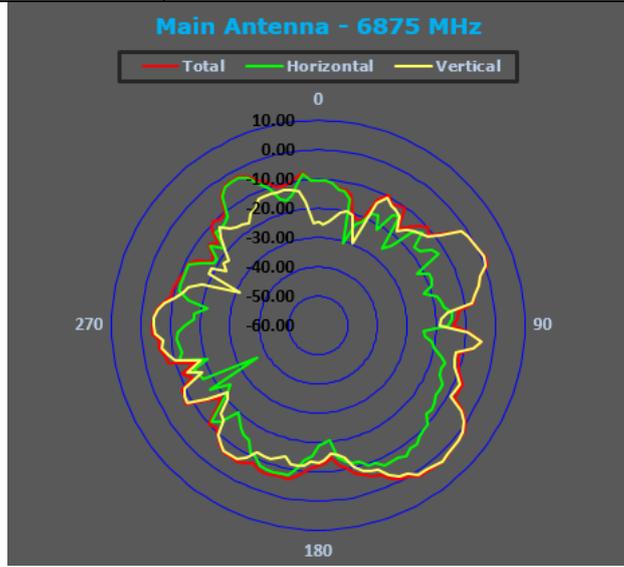
Max Antenna 3D Radiation Pattern 6425-6525 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6425-6525	2.48



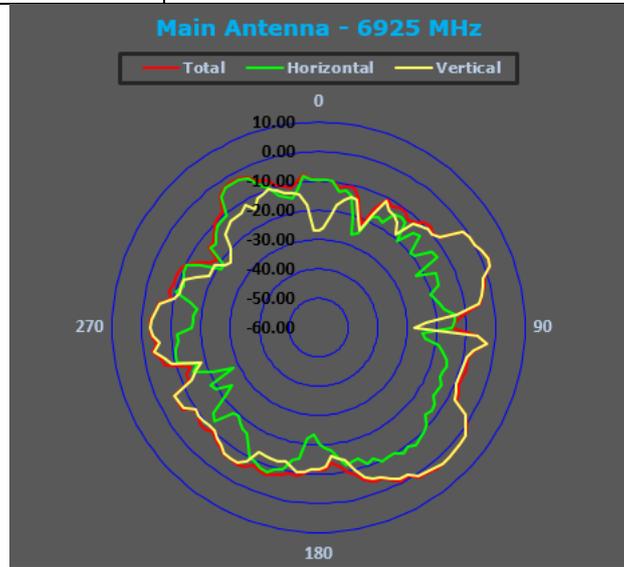
Max Antenna 3D Radiation Pattern 6525-6875 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6525-6875	2.89



Max Antenna 3D Radiation Pattern 6875-7125 MHz

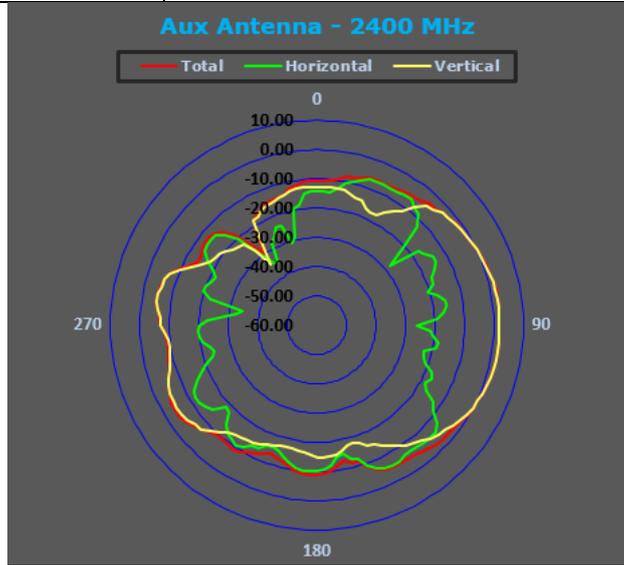
Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6875-7125	2.97



Auxiliary Antenna

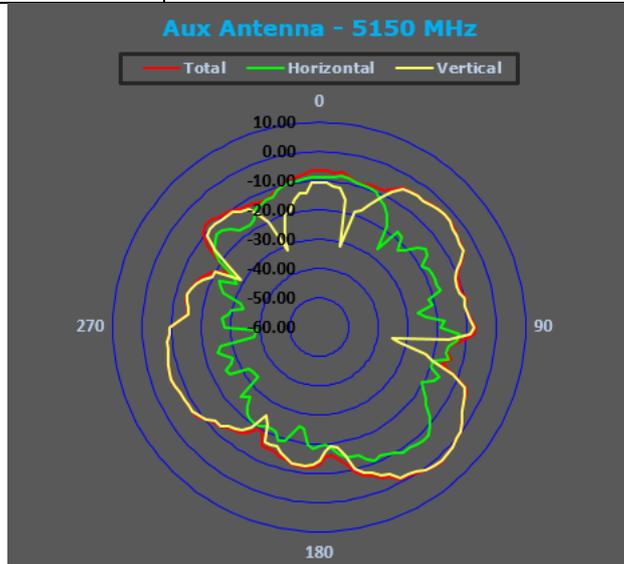
Max Antenna 3D Radiation Pattern 2400 – 2483.5 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
2400-2483.5	1.88



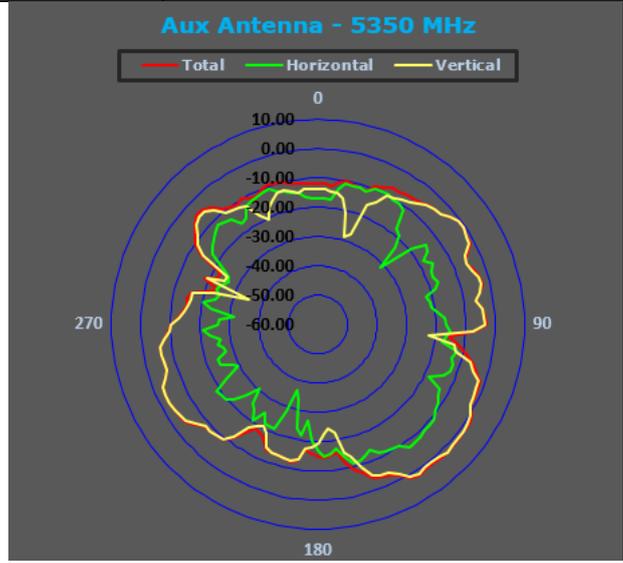
Max Antenna 3D Radiation Pattern 5150-5250 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5150-5250	2.11



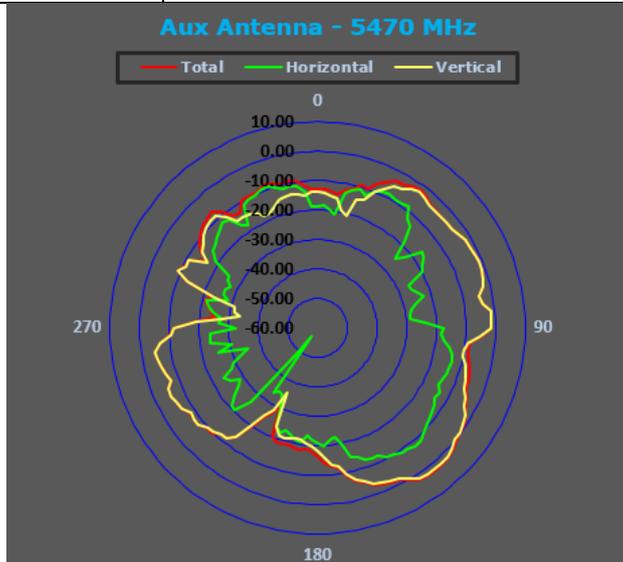
Max Antenna 3D Radiation Pattern 5250-5350 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5250-5350	2.25



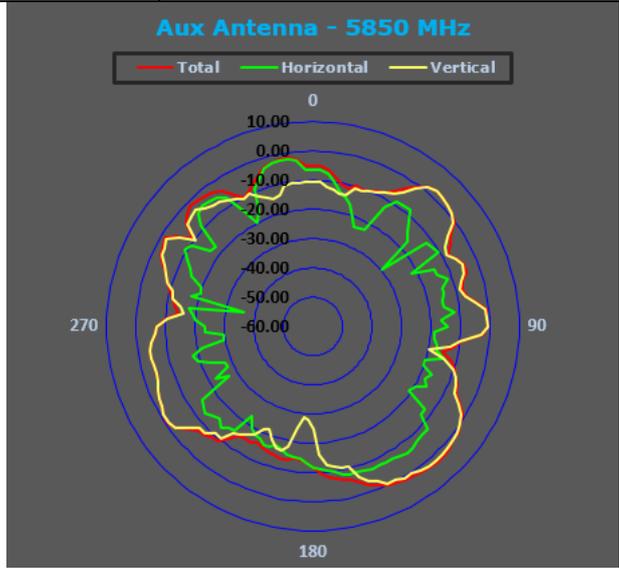
Max Antenna 3D Radiation Pattern 5470-5725 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5470-5725	2.59



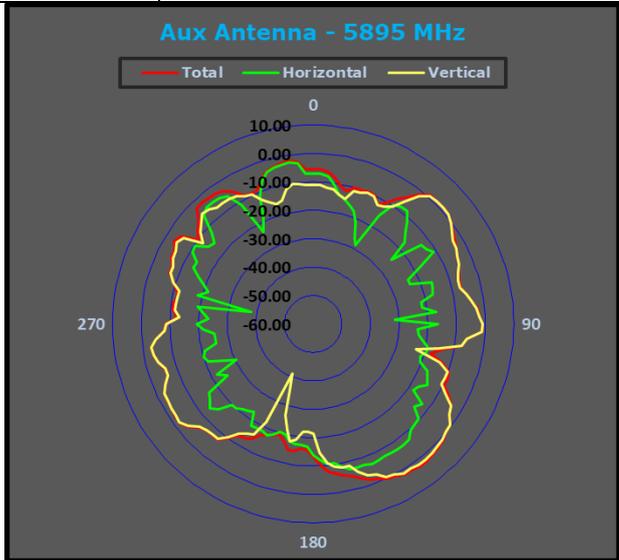
Max Antenna 3D Radiation Pattern 5725-5850 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5725-5850	2.06



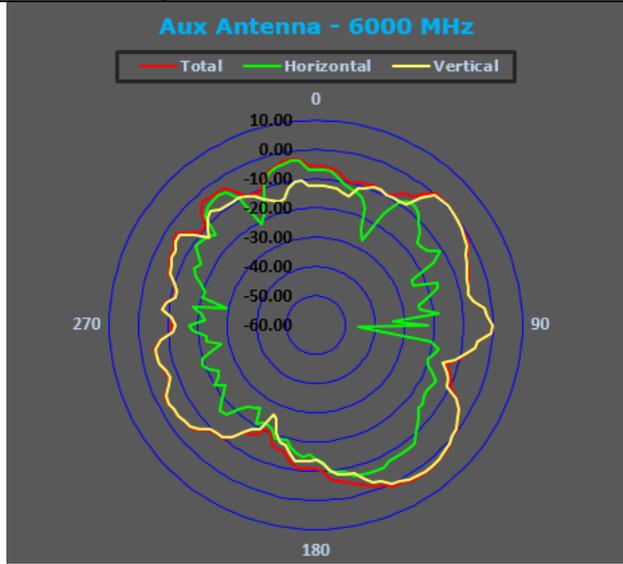
Max Antenna 3D Radiation Pattern 5850-5895 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5850-5895	2.41



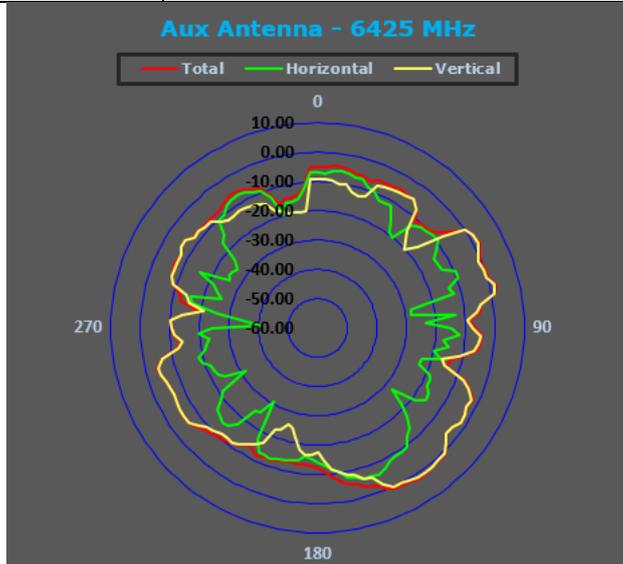
Max Antenna 3D Radiation Pattern 5925-6425 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
5925-6425	2.71



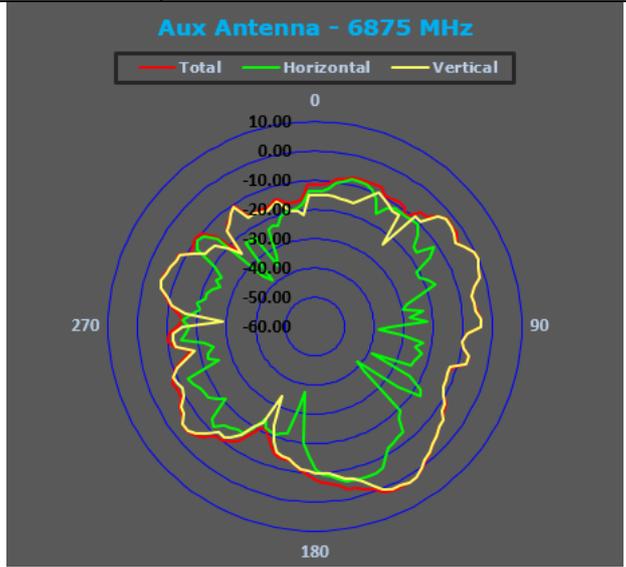
Max Antenna 3D Radiation Pattern 6425-6525 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6425-6525	2.05



Max Antenna 3D Radiation Pattern 6525-6875 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6525-6875	2.24



Max Antenna 3D Radiation Pattern 6875-7125 MHz

Frequency (MHz)	Peak Gain w/ Cable Loss (dBi)
6875-7125	2.56

