Regulatory WLAN Antenna Information (TB mode)

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	TPN-C157 TPN-C158	Yes No	Convertible PC	1.95

*****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	48EABP01.SGCLOC	48EABP02.SGCLOC

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	-1.59	1.35	2.37	1.88	2.84	2.84	2.52	0.16	1.12	2.91
Aux	-0.54	0.98	0.98	1.11	1.11	-0.84	0.63	1.39	2.1	0.3

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

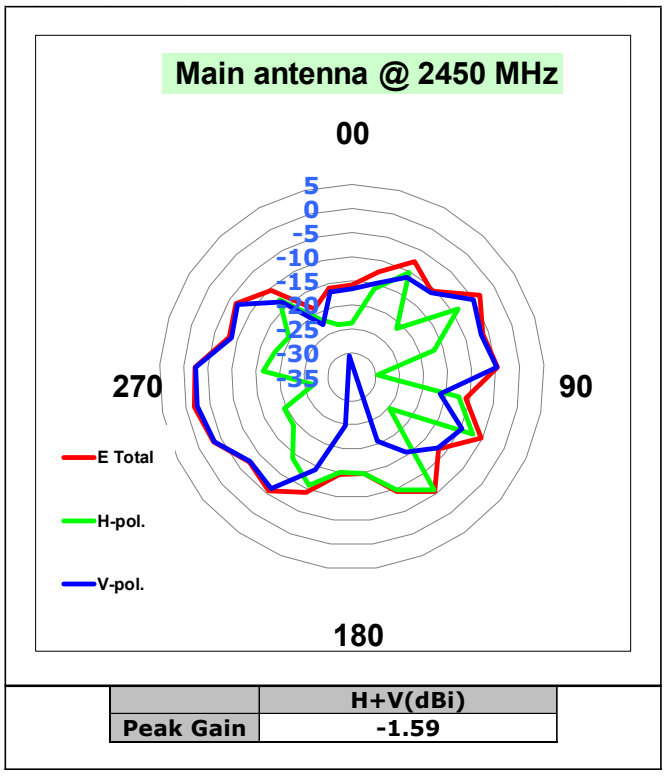
1A Antenna Part Number	1B Manufacturer	1C Antenna Type	1D Cable Assembly Part Number and Information	Freq Range MHz	1E * Peak Gain W/ Cable loss (dBi)	1F Peak Gain w/o Cable Loss (dBi)	1G Max VSWR	1H Cable Loss (dB)
P/N: 48EABP01.SGCLOC Main Antenna (TX2)	Wistron Neweb Corporation	PIFA	P/N: MHF-4L PLUG -20632-001R-37 50 ohm Coaxial length: 430cm diameter: 1.37mm	2400-2495	-1.59	-0.59	3.0	1.00
				5150-5250	1.35	2.84	3.0	1.49
				5250-5350	2.37	3.87	3.0	1.50
				5470-5725	1.88	3.42	3.0	1.54
				5725-5850	2.84	4.4	3.0	1.56
				5850-5925	2.84	4.42	3.0	1.58
				5925-6425	2.52	4.14	3.0	1.62
				6425-6525	0.16	1.83	3.0	1.67
				6525-6875	1.12	2.83	3.0	1.71
				6875-7125	2.91	4.68	3.0	1.77
P/N: 48EABP02.SGCLOC Aux Antenna (TX1)	Wistron Neweb Corporation	PIFA	P/N: MHF-4L PLUG -20632-001R-37 50 ohm Coaxial length: 535cm diameter: 1.37mm	2400-2495	-0.54	0.7	3.0	1.24
				5150-5250	0.98	2.83	3.0	1.85
				5250-5350	0.98	2.85	3.0	1.87
				5470-5725	1.11	3.02	3.0	1.91
				5725-5850	1.11	3.06	3.0	1.95
				5850-5925	-0.84	1.12	3.0	1.96
				5925-6425	0.63	2.65	3.0	2.02
				6425-6525	1.39	3.47	3.0	2.08
				6525-6875	2.10	4.23	3.0	2.13
				6875-7125	0.30	2.5	3.0	2.20

- **Antenna Peak Gain required being test in system basis.**
- **1E frame contend absolutely peak antenna gain include H/V**

Section 3. Radiation characteristics of antenna loaded in Host Platform

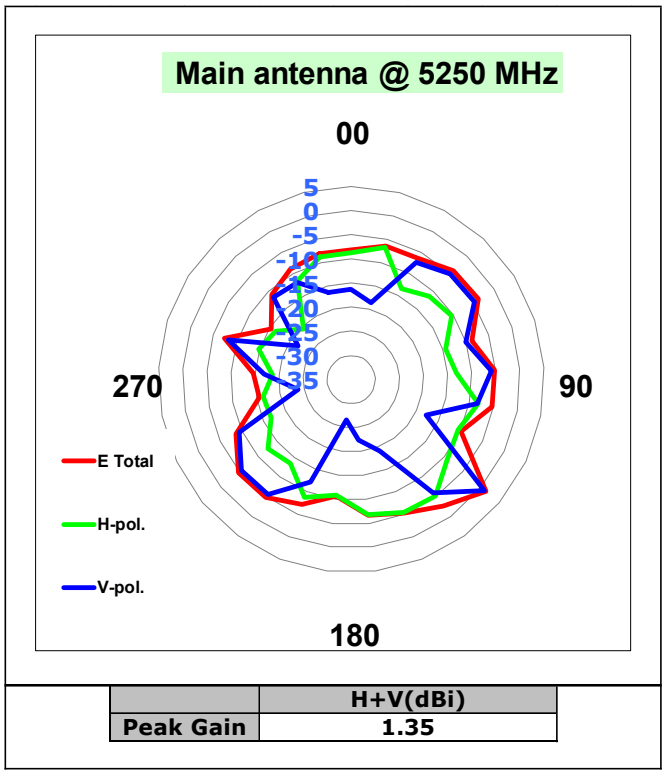
Main Antenna

Max Antenna 2D Radiation Pattern 2400 – 2495 MHz



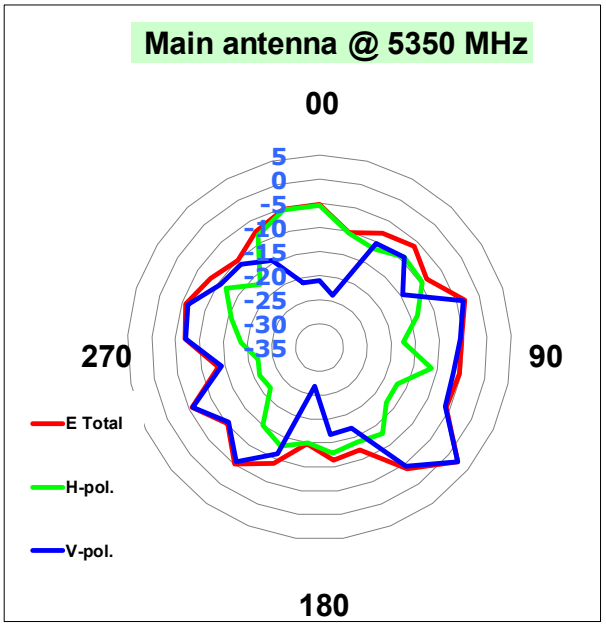
	H+V(dBi)
Peak Gain	-1.59

Max Antenna 2D Radiation Pattern 5150-5250 MHz



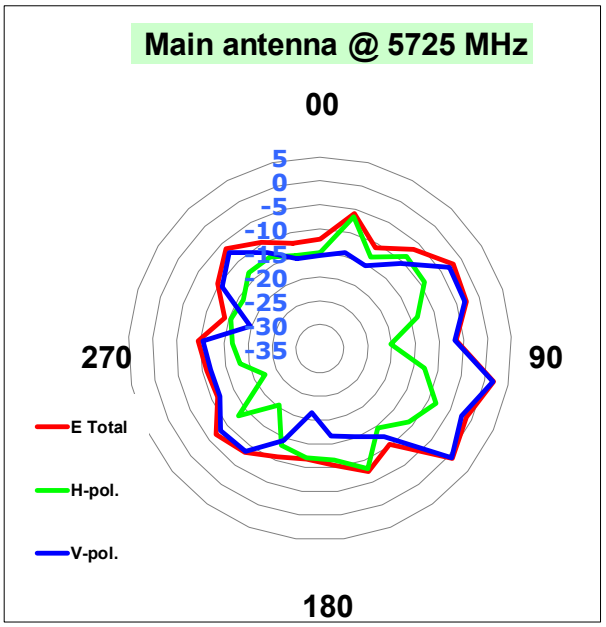
	H+V(dBi)
Peak Gain	1.35

Max Antenna 2D Radiation Pattern 5250-5350 MHz



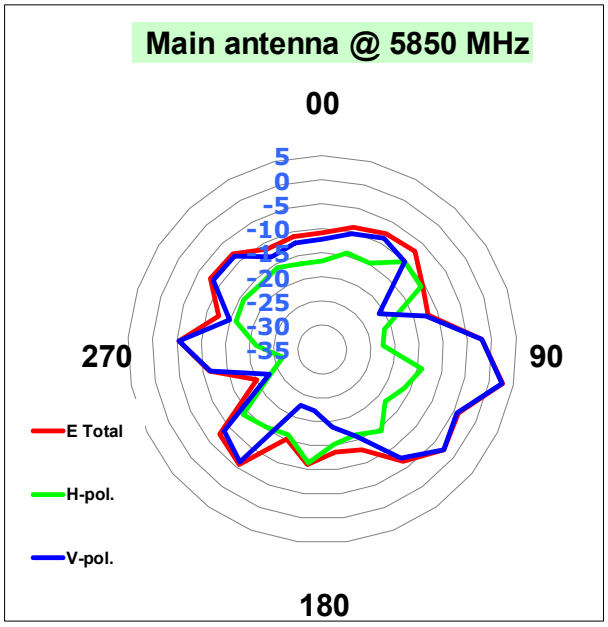
	H+V(dBi)
Peak Gain	2.37

Max Antenna 2D Radiation Pattern 5470-5725 MHz



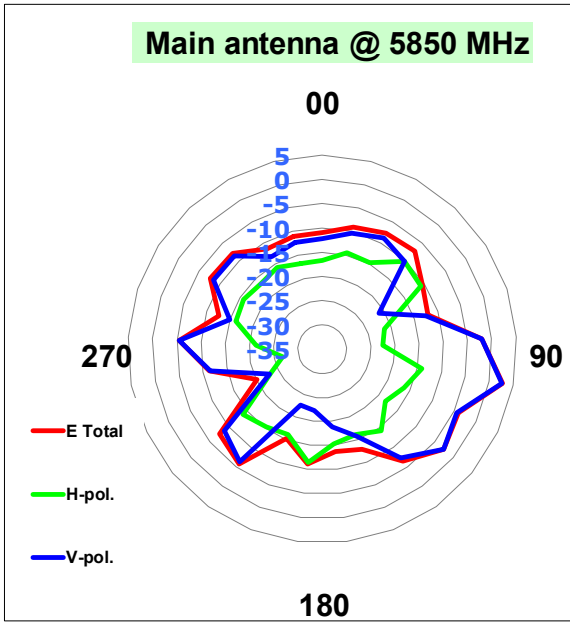
	H+V(dBi)
Peak Gain	1.88

Max Antenna 2D Radiation Pattern 5725-5850 MHz



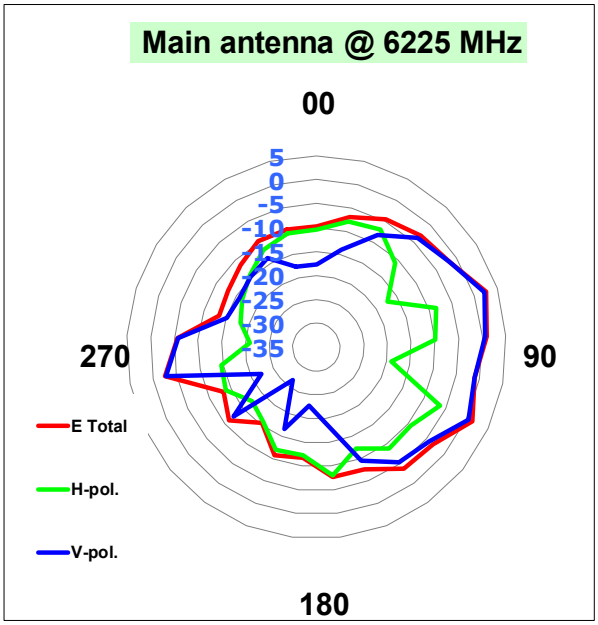
	H+V(dBi)
Peak Gain	2.84

Max Antenna 2D Radiation Pattern 5850-5895 MHz



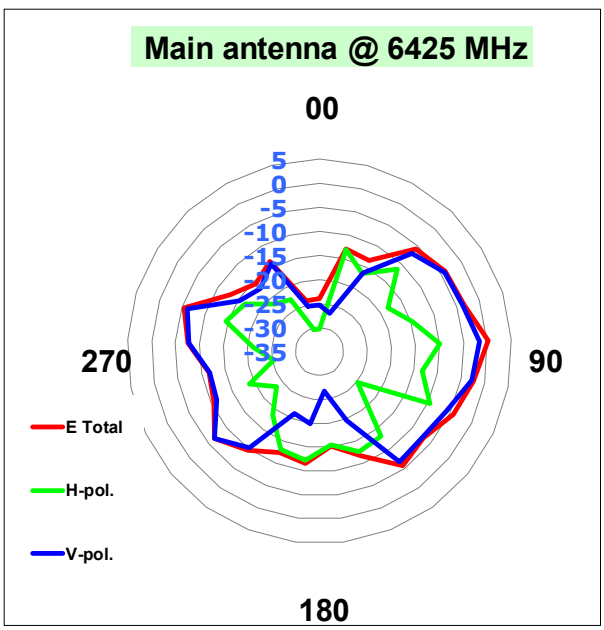
	H+V(dBi)
Peak Gain	2.84

Max Antenna 2D Radiation Pattern 5925-6425 MHz



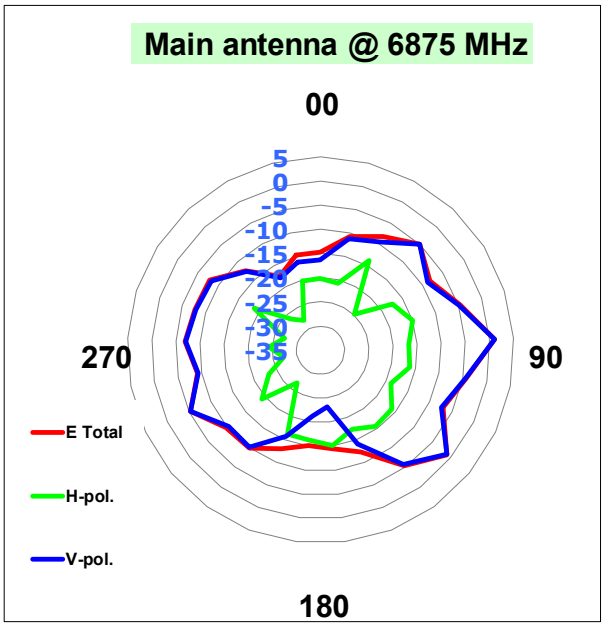
	H+V(dBi)
Peak Gain	2.52

Max Antenna 2D Radiation Pattern 6425-6525 MHz



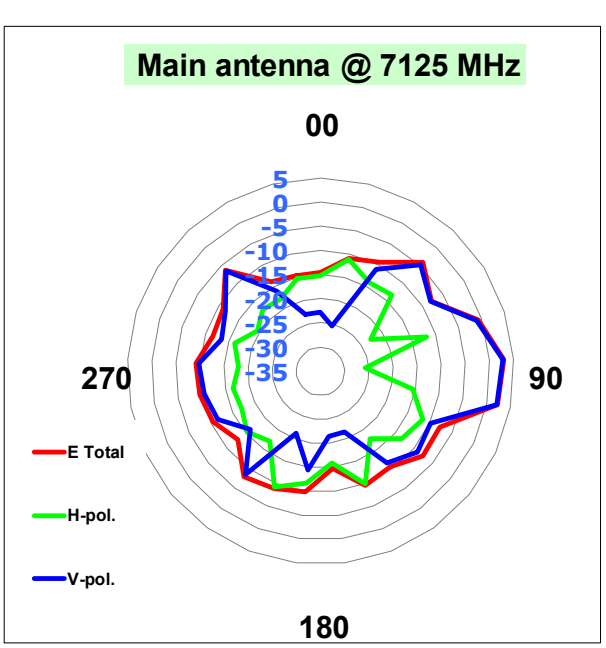
	H+V(dBi)
Peak Gain	0.16

Max Antenna 2D Radiation Pattern 6525-6875 MHz



	H+V(dBi)
Peak Gain	1.12

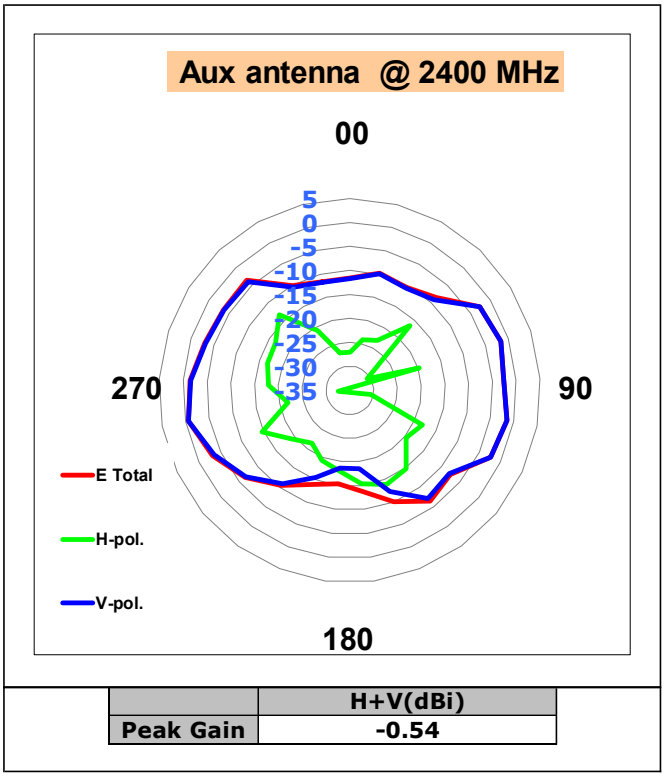
Max Antenna 2D Radiation Pattern 6875-7125 MHz



	H+V(dBi)
Peak Gain	2.91

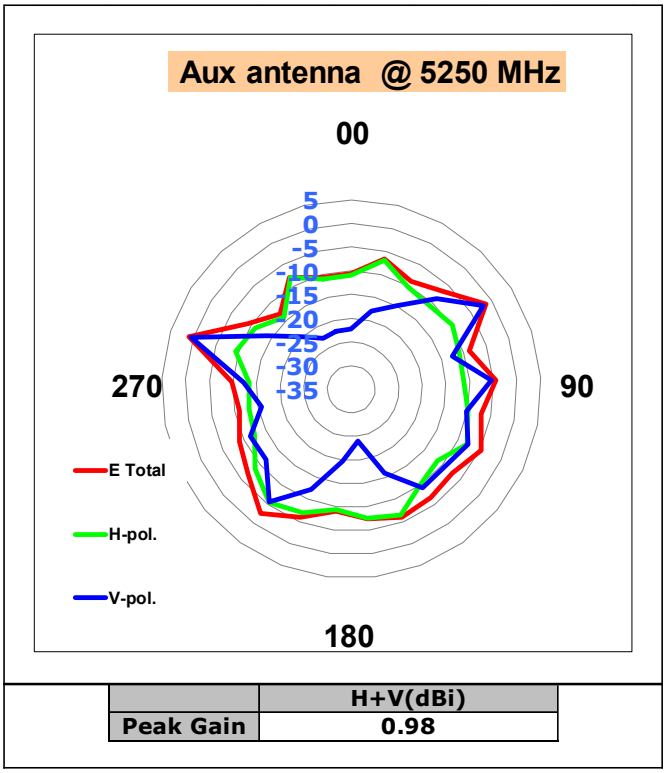
Auxiliary Antenna

Max Antenna 2D Radiation Pattern 2400 – 2483.5 MHz



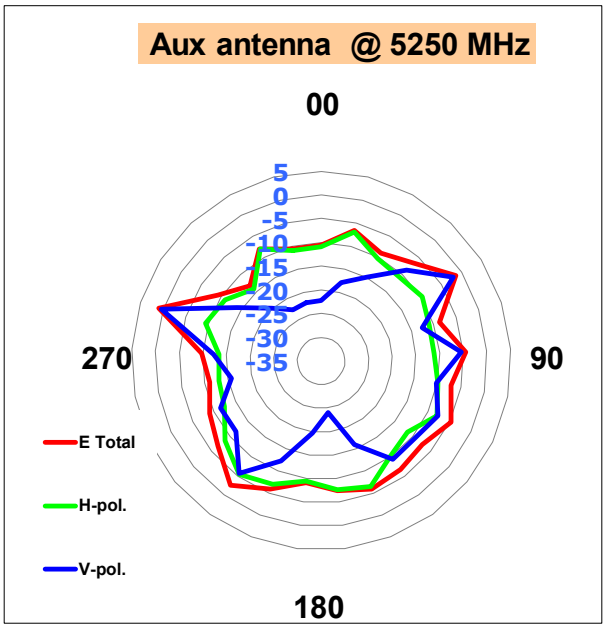
	H+V(dBi)
Peak Gain	-0.54

Max Antenna 2D Radiation Pattern 5150-5250 MHz



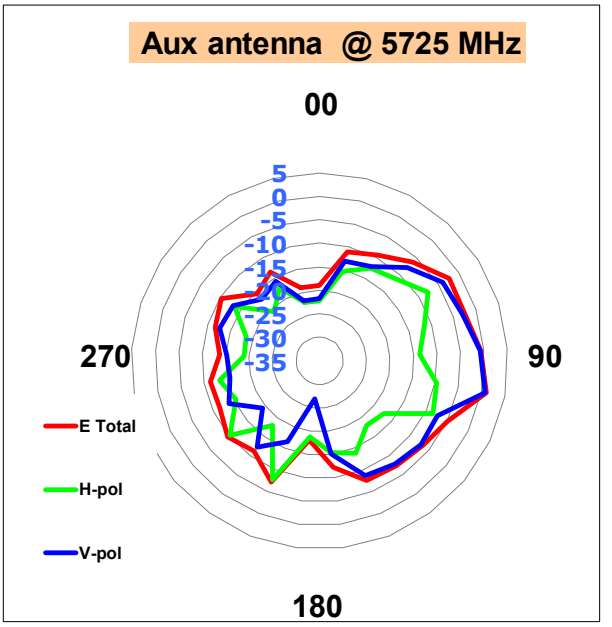
	H+V(dBi)
Peak Gain	0.98

Max Antenna 2D Radiation Pattern 5250-5350 MHz



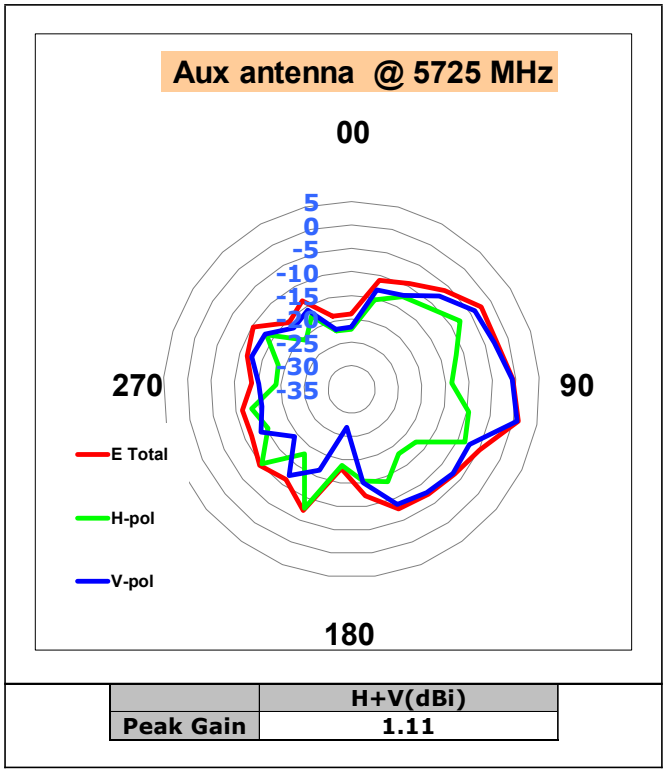
	H+V(dBi)
Peak Gain	0.98

Max Antenna 2D Radiation Pattern 5470-5725 MHz



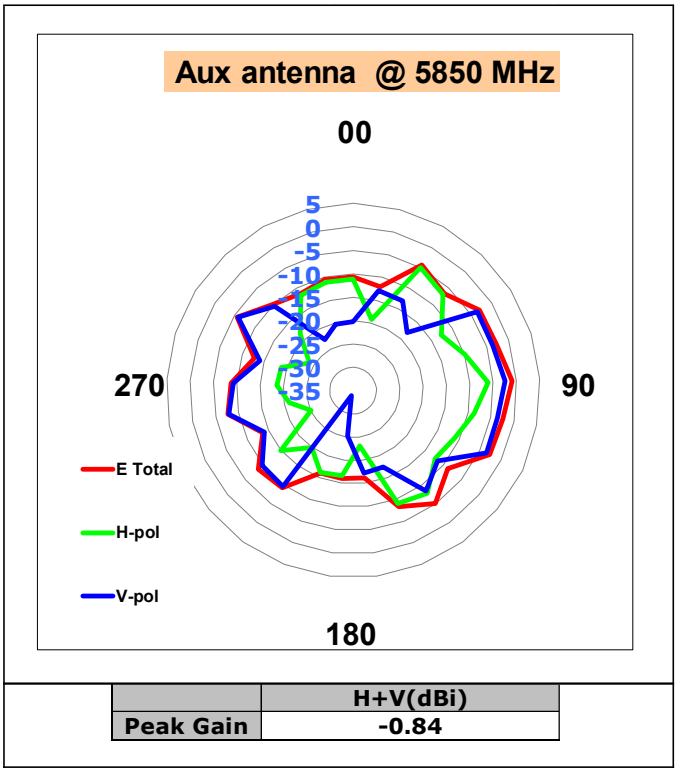
	H+V(dBi)
Peak Gain	1.11

Max Antenna 2D Radiation Pattern 5725-5850 MHz



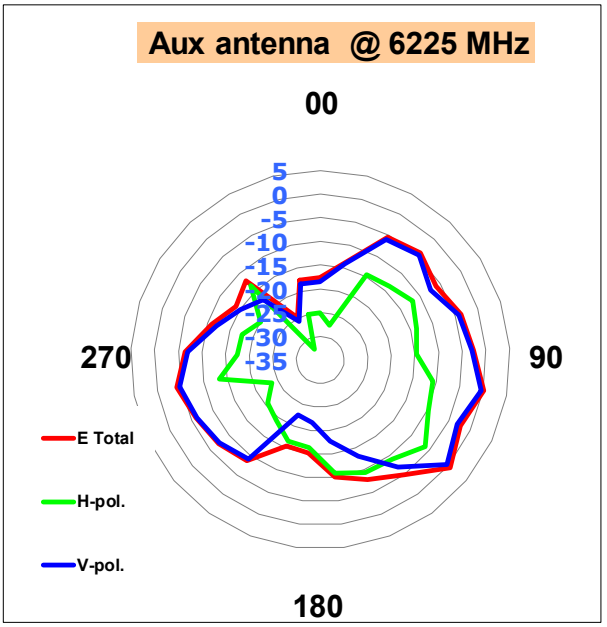
	H+V(dBi)
Peak Gain	1.11

Max Antenna 2D Radiation Pattern 5850-5895 MHz



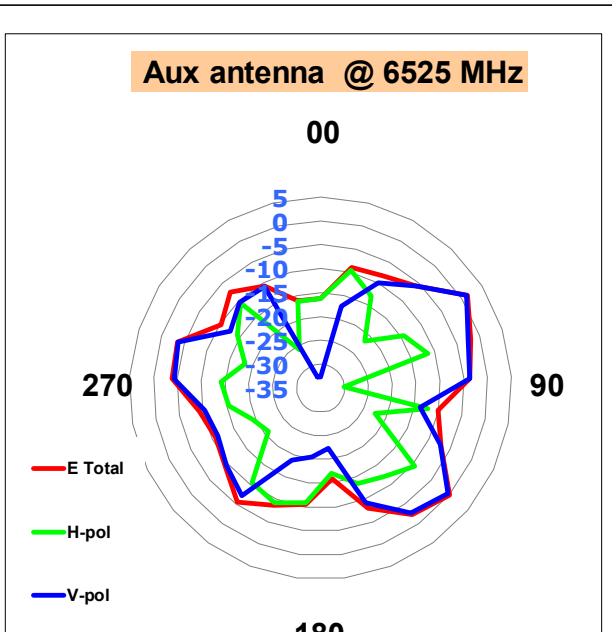
	H+V(dBi)
Peak Gain	-0.84

Max Antenna 2D Radiation Pattern 5925-6425 MHz



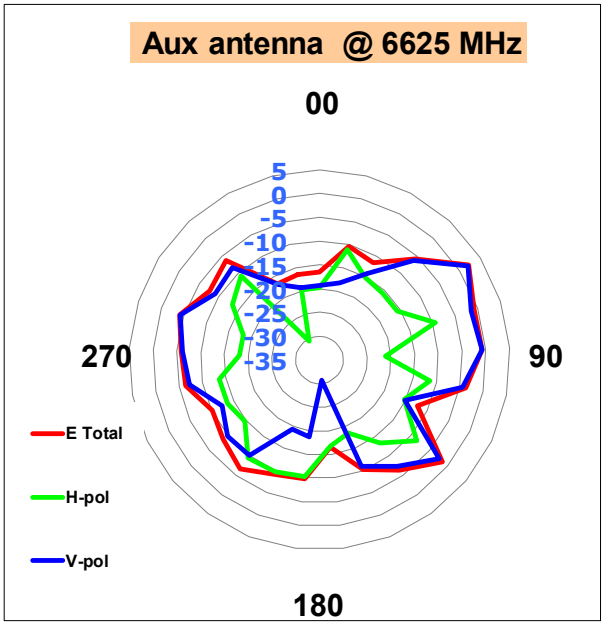
	H+V(dBi)
Peak Gain	0.63

Max Antenna 2D Radiation Pattern 6425-6525 MHz



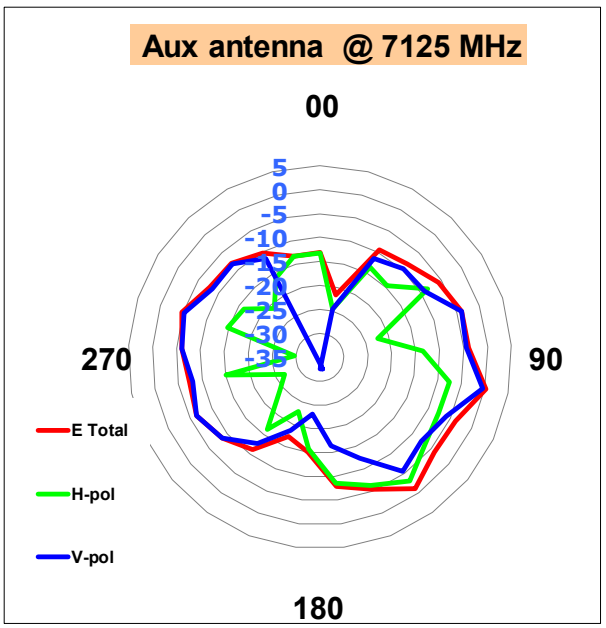
	H+V(dBi)
Peak Gain	1.39

Max Antenna 2D Radiation Pattern 6525-6875 MHz



	H+V(dBi)
Peak Gain	2.10

Max Antenna 2D Radiation Pattern 6875-7125 MHz



	H+V(dBi)
Peak Gain	0.30