

Antenna Assembly Specifications

1A Antenna Part Number	1B Manufacture	1C Antenna Type	1D Cable Assembly Part Number and Information	1E Peak Gain W/ Cable loss (dBi)	1F Peak Gain w/o Cable Loss (dBi)	1G V.S.W.R.	1H Cable Loss (dBi)
(P/N:CP272533-XX R side) EBMGHAF245FL	Panasonic	mono-pole	(P/N:CP279186-XX) U.FL-2LP-068N2T- A-625AFT HiROSE	2400-2500MHz	2400-2500MHz	2400-2500MHz	2400-2500MHz
				-0.10 dBi (peak)	1.22 dBi (peak)	2.50 max	1.32 dB (peak)
				5150-5350MHz	5150-5350MHz	5150-5350MHz	5150-5350MHz
				1.50 dBi (peak)	3.53 dBi (peak)	2.50 max	2.03 dB (peak)
(P/N:CP272531-XX L side) EBMGHAF245FL	Panasonic	mono-pole	(P/N:CP279185-XX) U.FL-2LP-068N1T- A-500AFT HiROSE	5470-5725MHz	5470-5725MHz	5470-5725MHz	5470-5725MHz
				0.70 dBi (peak)	2.81 dBi (peak)	2.50 max	2.11 dB (peak)
				5725-5850MHz	5725-5850MHz	5725-5850MHz	5725-5850MHz
				0.70 dBi (peak)	2.91 dBi (peak)	2.50 max	2.21 dB (peak)
(P/N:CP272531-XX L side) EBMGHAF245FL	Panasonic	mono-pole	(P/N:CP279185-XX) U.FL-2LP-068N1T- A-500AFT HiROSE	2400-2500MHz	2400-2500MHz	2400-2500MHz	2400-2500MHz
				2.20 dBi (peak)	4.10 dBi (peak)	2.50 max	1.90 dB (peak)
				5150-5350MHz	5150-5350MHz	5150-5350MHz	5150-5350MHz
				1.20 dBi (peak)	4.13 dBi (peak)	2.50 max	2.93 dB (peak)
(P/N:CP272531-XX L side) EBMGHAF245FL	Panasonic	mono-pole	(P/N:CP279185-XX) U.FL-2LP-068N1T- A-500AFT HiROSE	5470-5725MHz	5470-5725MHz	5470-5725MHz	5470-5725MHz
				0.20 dBi (peak)	3.24 dBi (peak)	2.50 max	3.04 dB (peak)
				5725-5850MHz	5725-5850MHz	5725-5850MHz	5725-5850MHz
				0.20 dBi (peak)	3.39 dBi (peak)	2.50 max	3.19 dB (peak)

Antenna Average & Peak Gain (XY plane)

Right Antenna

Frequency [MHz]	Polarization	Peak Gain [dBi]	Average Gain [dBi]
2400	Horizontal	-0.2	-6.4
	Vertical	-1.8	-7.9
2450	Horizontal	-0.9	-6.8
	Vertical	-2.6	-8.7
2500	Horizontal	-2.3	-7.5
	Vertical	-2.8	-8.4
5150	Horizontal	0.3	-6.1
	Vertical	0.6	-7.0
5250	Horizontal	0.8	-5.3
	Vertical	1.5	-6.4
5350	Horizontal	1.4	-4.8
	Vertical	1.0	-6.6
5470	Horizontal	0.6	-5.5
	Vertical	0.7	-6.9
5730	Horizontal	-0.6	-7.6
	Vertical	-2.0	-9.1
5875	Horizontal	0.7	-5.7
	Vertical	0.0	-7.5

* Antenna gain includes the connector and cable loss.

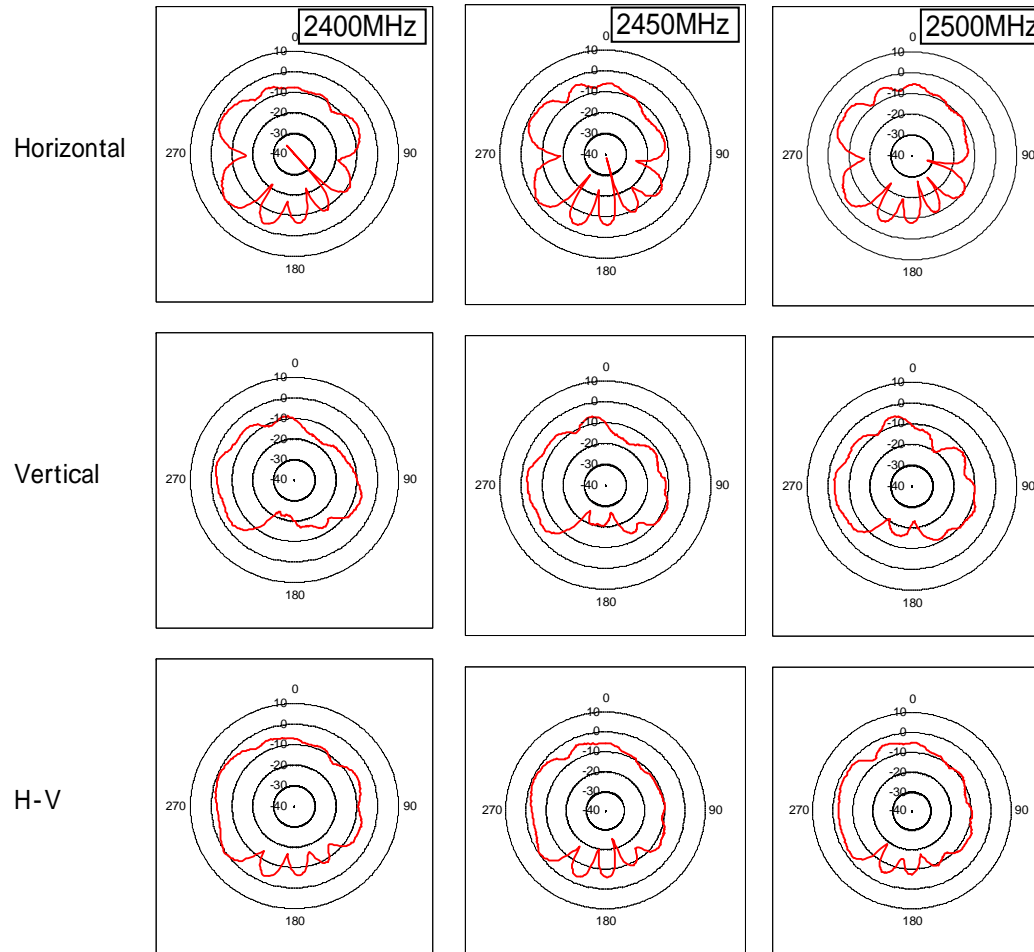
Left Antenna

Frequency [MHz]	Polarization	Peak Gain [dBi]	Average Gain [dBi]
2400	Horizontal	2.2	-4.3
	Vertical	0.4	-5.7
2450	Horizontal	1.3	-4.7
	Vertical	-0.6	-6.4
2500	Horizontal	-0.4	-5.9
	Vertical	-1.1	-6.5
5150	Horizontal	-1.4	-7.4
	Vertical	-1.1	-8.5
5250	Horizontal	-1.2	-6.7
	Vertical	-0.9	-7.7
5350	Horizontal	-0.2	-6.0
	Vertical	-0.6	-7.5
5470	Horizontal	-1.2	-7.2
	Vertical	-1.4	-8.2
5730	Horizontal	-2.4	-9.1
	Vertical	-3.1	-10.3
5875	Horizontal	-0.8	-7.6
	Vertical	-1.9	-9.1

* Antenna gain includes the connector and cable loss.

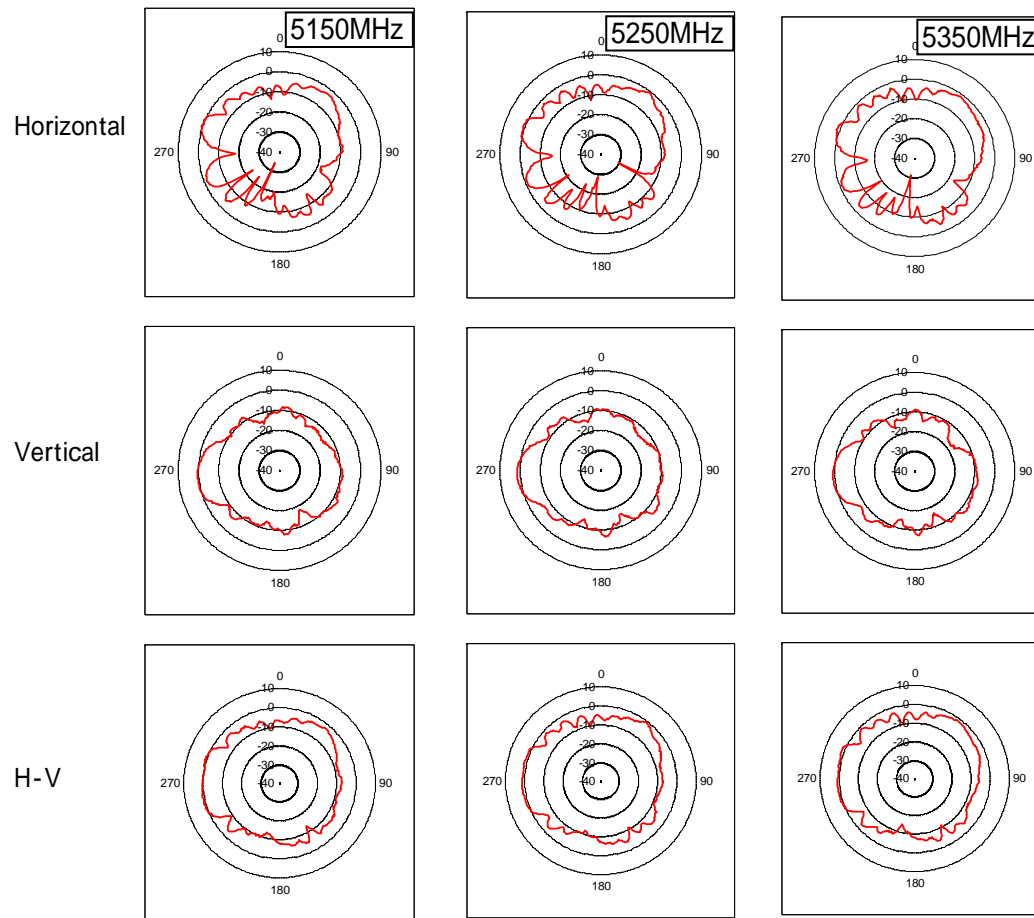
Radiation Pattern (XY plane) Right Antenna

f=2400MHz / 2450MHz / 2500MHz



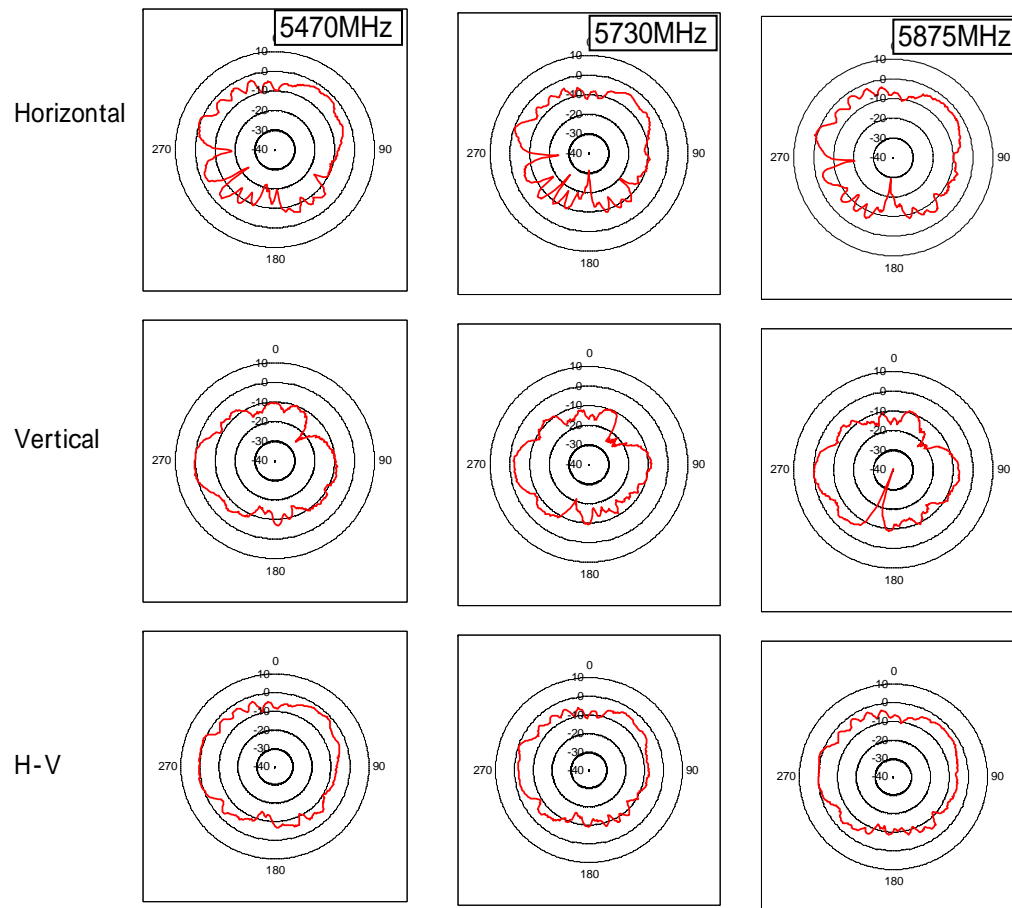
Radiation Pattern (XY plane) Right Antenna

f=5150MHz / 5250MHz / 5350MHz



Radiation Pattern (XY plane)

f=5470MHz / 5730MHz / 5875MHz



Antenna Pic

Right Antenna



Chip Antenna

Left Antenna



Chip Antenna