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	****End product model name	Intel platform (ex: Yes, No or NA)	Platform type (ex: regular NB, convertible PC, AIO…etc)	*SAR minimum separation (mm)
HP	Compal Corporation	G2022		convertible PC	

*****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)	Antenna Part number (Aux)
Vendor 1	PIFA	330-24019 (DC33002PT50)	330-24018 (DC33002PT40)

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	-0.28	2.97	2.8	2.98	2.83	2.59	3.81	3.72	3.33	2.96
Aux	0.78	2.75	2.86	2.9	2.15	2.0	3.88	2.18	2.97	2.97

Intel Reference Gain/Type/ Separation distance

Antenna Type	Antenna Peak gain (In dBi)*									Distance to the end user (mm)
	2.4GHz 2400-2483.5 MHz	5.2GHz 5150-5250MHz	5.3GHz 5250-5350MHz	5.6GHz 5470-5725MHz	5.8GHz 5725-5850MHz	6.2GHz 5925-6425MHz	6.5GHz 6425-6525MHz	6.7GHz 6525-6875MHz	7.0GHz 6875-7125MHz	Generic: refer to modular FCC SAR report
Design	**3.00**	**5.00**	**5.00**	**5.00**	**5.00**	**5.00**	**5.00**	**5.00**	**5.00**	Mid-power: ≥ 8 mm
PIFA	**3.24**	**3.64**	**3.73**	**4.77**	**4.97**	**4.83**	**4.30**	**5.37**	**5.59**	
Dipole	**2.89**	**2.92**	**3.19**	**4.41**	**4.22**	**4.83**	**4.30**	**4.49**	**5.34**	Low power: ≥ 5 mm

Notes (marked with *)

*** SAR minimum separation (mm)**

- Regular NB: Minimum antenna-to-body (from antenna bottom to the bottom of the device)

- Tablet / Convertible PC: Minimum antenna-to-edge (5 sides of the device)

- Mini-tablet: Minimum antenna-to-edge (6 sides of the device)

*** 3D Peak Antenna gain should be equal or greater than -2 dBi**

- If a host integrator plans to use a lower gain antenna of the same type, additional CBP(FCC)/EDT(EU) testing need to be performed while the module is installed in the host.

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)
330-24019 (DC33002PT50) Main Antenna	Vendor 1	PIFA	i-pex (P/N: MHF 20565-001R-13) 50 ohm Coaxial length: 60.13cm diameter:1.13mm	2400-2483.5	-0.28	-0.11	3	0.17
				5150-5250	2.97	3.22	3	0.25
				5250-5350	2.8	3.05	3	0.25
				5470-5725	2.98	3.23	3	0.25
				5725-5850	2.83	3.09	3	0.26
				5850-5895	2.59	2.85	3	0.26
				5925-6425	3.81	4.08	3	0.27
				6425-6525	3.72	3.99	3	0.27
				6525-6875	3.33	3.61	3	0.28
				6875-7125	2.96	3.25	3	0.29
330-24018 (DC33002PT40) Aux Antenna	Vendor 1	PIFA	i-pex (P/N: MHF 20565-001R-13) 50 ohm Coaxial length: 223.13cm diameter:1.13mm	2400-2483.5	0.78	1.4	3	0.62
				5150-5250	2.75	3.67	3	0.92
				5250-5350	2.86	3.78	3	0.92
				5470-5725	2.9	3.83	3	0.93
				5725-5850	2.15	3.1	3	0.95
				5850-5895	2.0	2.96	3	0.96
				5925-6425	3.88	4.87	3	0.99
				6425-6525	2.18	3.19	3	1.01
				6525-6875	2.97	4.03	3	1.06
				6875-7125	2.97	4.03	3	1.06

- **3D Antenna Peak Gain required being test in system basis.**