

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	****Platform model name	Platform type (ex: regular NB, convertible PC, AIO...etc)	SAR minimum separation (mm)			
Samsung	HuaQin	MT6631N/B	Pad	0			
*****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				Peak gain w/ cable loss (dBi)			
Vendor	Type	Antenna Part number (Main/ Tx1)	Antenna Part number (Aux/Tx2)	2.4GHz 2400-2500MHz	5.2GHz 5150-5350MHz	5.5GHz 5470-5725MHz	5.8GHz 5725-5850MHz
WTT	PIPA	S187-496-01A01	-	-0.7	-1.4	-1.2	-1.3
RX	-	-	-	-	-	-	-
Notes (marked with `)							
SAR minimum separation (mm): 0							
- 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)							

Antenna Peak Gain Table:

Frequency (MHz)	Tx1 antenna	
	Horizontal (dBi)	Vertical (dBi)
2400	-1.0	-0.8
2450	-0.7	-0.2
2500	-1.1	-0.2

Frequency (MHz)	Tx2 antenna	
	Horizontal (dBi)	Vertical (dBi)
5150	-1.4	-0.9
5550	-1.2	-0.6
5850	-1.3	-0.5

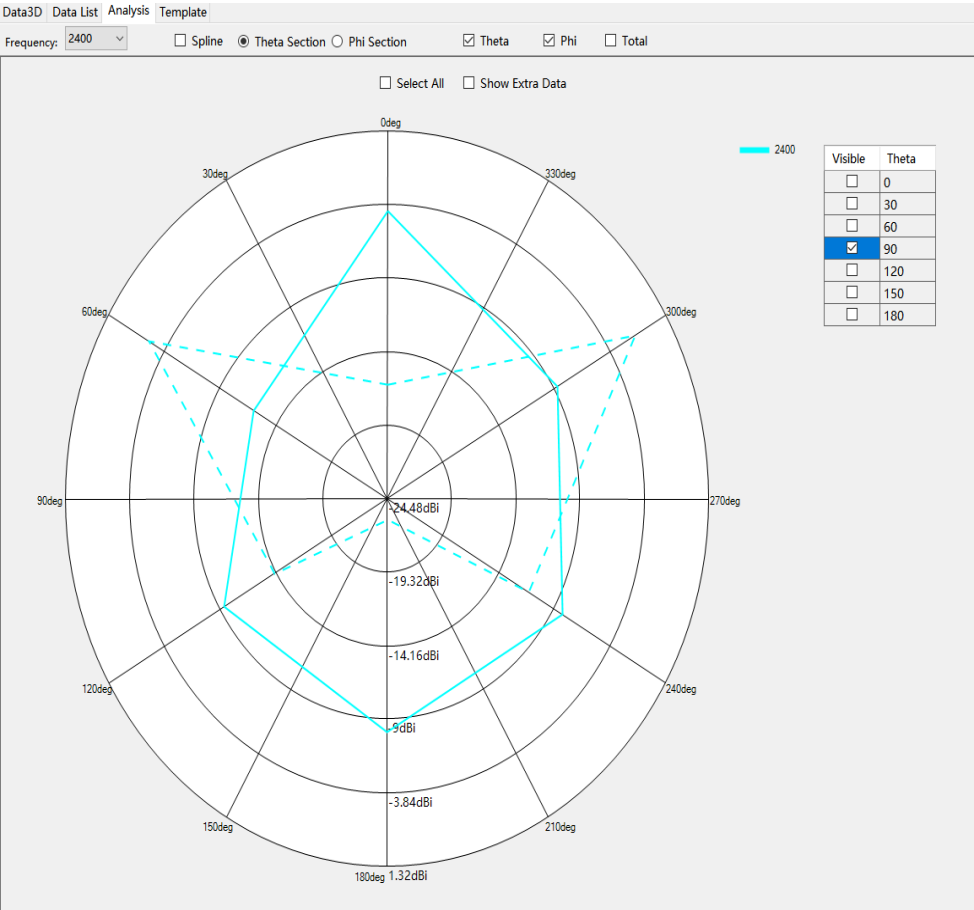
WIFI			
FREQ	channel	TRP	TIS
2.4G(11b)	1	13.1	
	6	13.3	
	11	13.3	-82.46
5G (11a)	56	11.0	
	100	11.2	
	165	11.1	-69.47

Radiation characteristics of antennae Loaded in Host Platform

2025-7-25

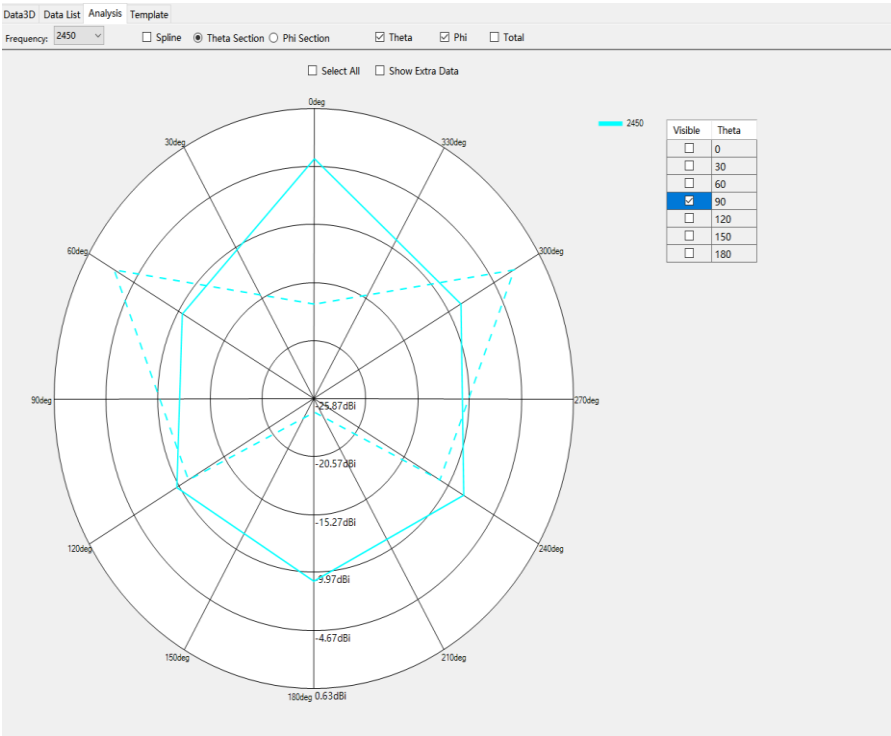
2400-2500MHz radiation characteristic

Tx antenna: 2400 MHz



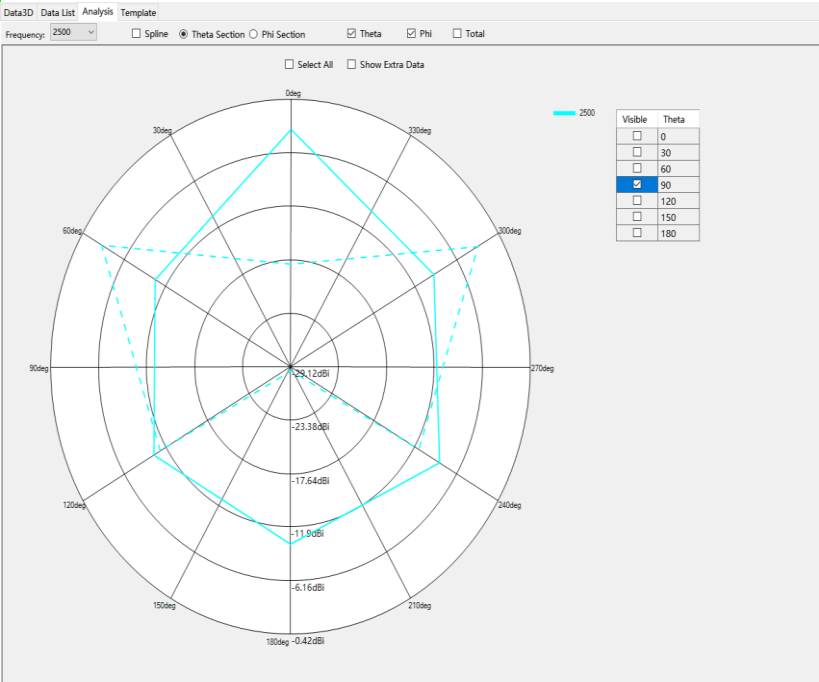
Frequency (Mhz)	2400
Horizontal peak gain (dBi)	-1.0
Vertical peak gain (dBi)	-0.8

Tx1 antenna: 2450 MHz

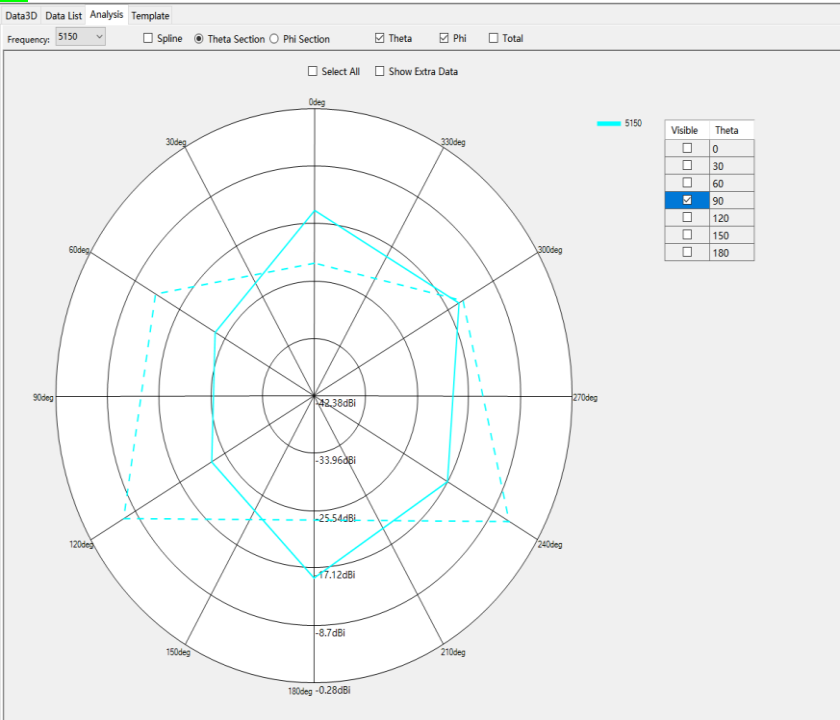


Frequency (Mhz)	2450
Horizontal peak gain (dBi)	-0.7
Vertical peak gain (dBi)	-0.2

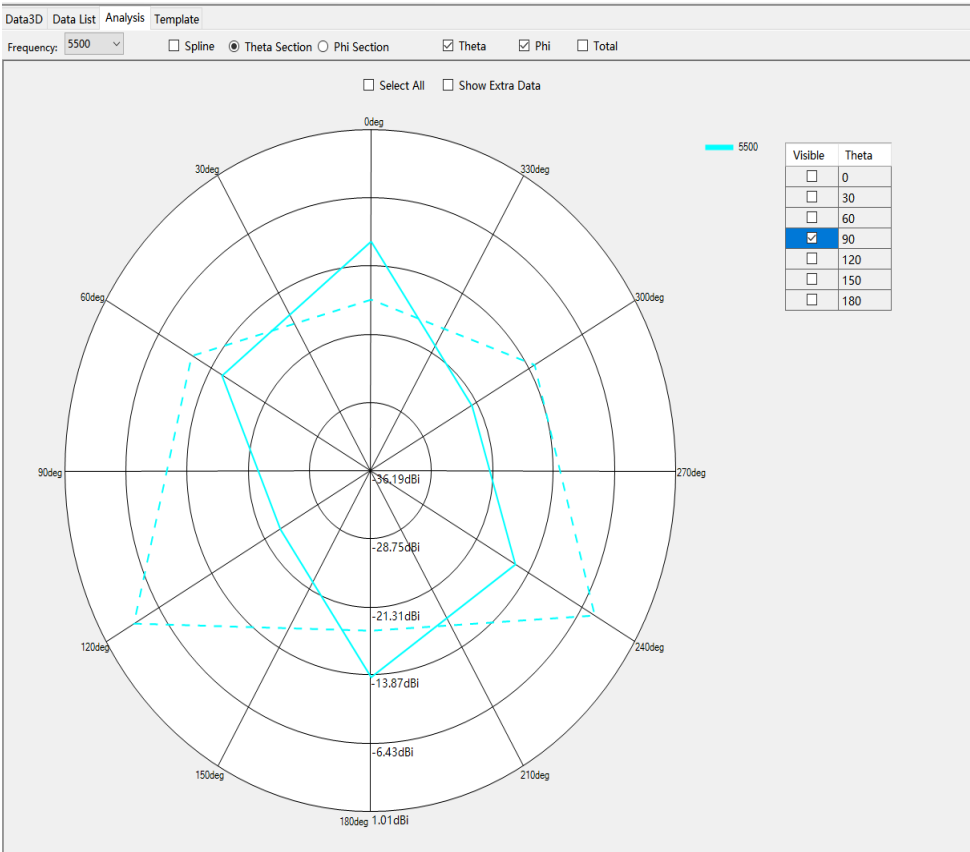
7x1 antenna: 2500 MHz



Frequency (Mhz)	2500
Horizontal peak gain (dBi)	-1.1
Vertical peak gain (dBi)	-0.2

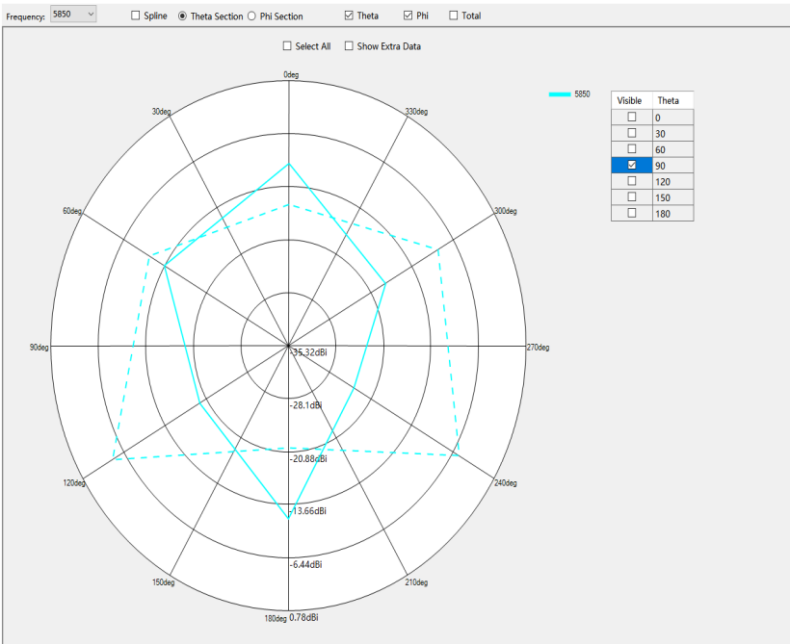


Frequency (Mhz)	5150
Horizontal peak gain (dBi)	-1.4
Vertical peak gain (dBi)	-0.9



Frequency (Mhz)	5550
Horizontal peak gain (dBi)	-1.2
Vertical peak gain (dBi)	-0.6

Tx antenna: 5850 MHz



Frequency (Mhz)	5850
Horizontal peak gain (dBi)	-1.3
Vertical peak gain (dBi)	-0.5

Antenna dimensional information for SAR evaluation

Include a **dimensioned photo(s) or dimensioned drawing(s)** of Tx1, Tx2 and Tx3 antenna placements (measurements are not required for receive-only antenna). Any antenna that transmits must show dimensions to bottom of laptop. Provide a description of the materials that are used for supporting or surrounding transmit antennas; for example, non-conductive plastics vs. conductive coated plastic or metallic materials.

