

Regulatory WWAN Antenna Information

Platform information				
Brand	ODM	Platform model name	Platform type (ex: regular NB, convertible PC, AIO...etc)	*SAR minimum separation (mm)
HP Inc.	Inventec	HSN-I70C	Regular NB	338.4
Antenna information				Maximum Peak gain
Vendor	Type	Antenna Part number (Ant5 TX/RX)	Antenna Part number (Ant6 RX)	1780MHz (Choice TX high peak gain)
WNC	PIFA	6036B0403001 (81EACC15.G65)	6036B0402501 (81EACC15.G67)	1.85 dBi
Module information				
Model	Form factor and suffixes (NGW/ HMW AND AN/ NB/ BN....)			
Becks	WLPWAN HP Becks RW220-GL LTE (CAT-1bis)			

Antenna vendor connect person	
Antenna Vendor	WNC
contact person	Annie Lo
E-mail	annie.lo@wnc.com.tw
Tel/Mobile	886-3-666-7799 ext: 3415
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Address	20 Park Avenue II, Hsinchu Science Park Hsinchu 300, Taiwan

Antenna Sample / Antenna Data

Requirements for worldwide regulatory approval

Section	Description of Required OEM / ODM Antenna Information	US / IC	EU	Japan	Taiwan	S.Korea
1A	Part Number for Antenna Assembly	Required	Required	Required	Required	Required
1B	Antenna Manufacturer Name	Required	Required	Required	Required	Required
1C	Description of Antenna Type	Required	N/A	N/A	N/A	N/A
1D	Tx antenna Gain(Peak Gain W/ cable loss) *	Required	Required	Required	Required	Required
2	Dimensioned Photographs and Drawings of Tx and Rx antennas	Required	Required	Required	Required	Required
3	Radiation patterns of antennas loaded in the host platform.	N/A	Required	Required	Required	N/A
4	Platform model name / number - correlated to antenna manufacturer and antenna part number	Required	Required	Desired	Required	Desired
5	Photograph(s) or Drawings showing location of antennas in platform. (S. Korea requires photographs of antennas for approval submission). Taiwan requires pictures of each antenna type shown in the system.	Required	Required	Desired	<u>Required (Photos)</u>	<u>Required (Photos)</u>
6	Mech. drawings / photos with dimensions of antenna locations and distance from end-user (For evaluation of SAR testing requirement).	Required	N/A	N/A	N/A	N/A
7	Photograph(s) or Drawings showing the location of all antennas (WLAN, other) and distance between those transmitting antennas. Information will be used to evaluate whether co-location testing is required.	Required	N/A	N/A	N/A	N/A
8	Local representative contact information for LMA/ PARS process.	Required	N/A	N/A	N/A	N/A

b. Equipment list

Test location: SGS

Testing date: 2026.04.24

Equipment Description	Manufacturer	Identification no.	Current calibration date	Next calibration date
Network analyzer	Agilent	E5071C	2026/01/07	2027/01/06
Measurement software	ETS-Lindgren	EMQuest	N/A	N/A
Multi axis positioning system(MAPSTM)	ETS-Lindgren	EMCO 2115	N/A	N/A
Multi axis positioning system(MAPSTM)	ETS-Lindgren	EMCO 2110	N/A	N/A
MAPSTM controller	ETS-Lindgren	EMCO 2090	N/A	N/A
Horn antenna	ETS-Lindgren	3164-10	2026/03/03	2027/03/03
ETS OTA Chamber	ETS-Lindgren	AMS-8500	2026/03/03	2027/03/03
Cable	ETS-Lindgren	RFC SMS-100-NMR Series	N/A	N/A

Note: Chamber calibration included full set of implement

Antenna Information

Section 1. Antenna Assembly Specifications

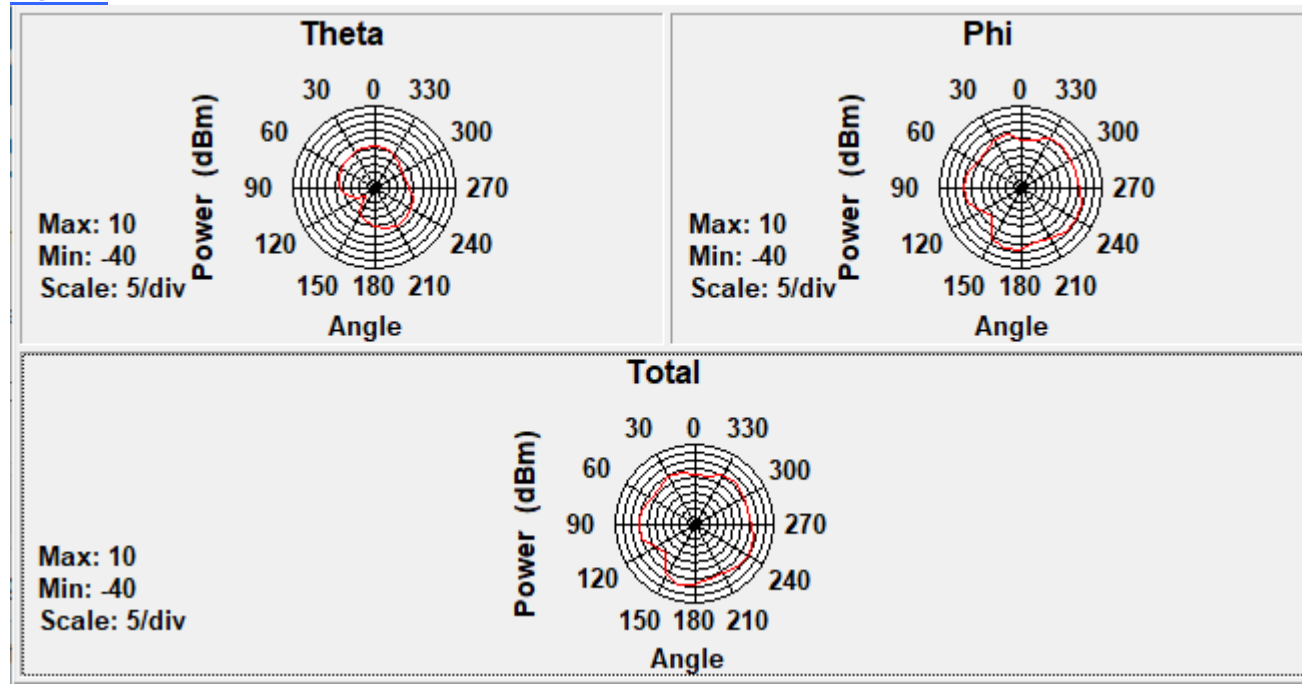
Communication System	Band	Frequency(MHz) from low to high spectrum		1A Part Number for Antenna Assembly	1B Antenna Manufacturer Name	1C Description of Antenna Type	1D Tx Antenna Gain(dBi) Ant5
LTE Cat.1 bis	1	1920	1980	Ant5 : 81EACC15.G65 (6036B0403001)	WNC	PIFA	-0.31
LTE Cat.1 bis	3	1710	1785				1.85
GSM850 / LTE Cat.1 bis	5	824	849				-0.65
GSM900 / LTE Cat.1 bis	8	880	915				-0.02
LTE Cat.1 bis	12	699	716				-1.48
LTE Cat.1 bis	18	815	830				-0.93
LTE Cat.1 bis	19	830	845				-0.65
LTE Cat.1 bis	20	832	862				-0.65
LTE Cat.1 bis	26	814	849				-0.65
LTE Cat.1 bis	28	703	748				-1.16

- Antenna Peak Gain required being test in system basis.

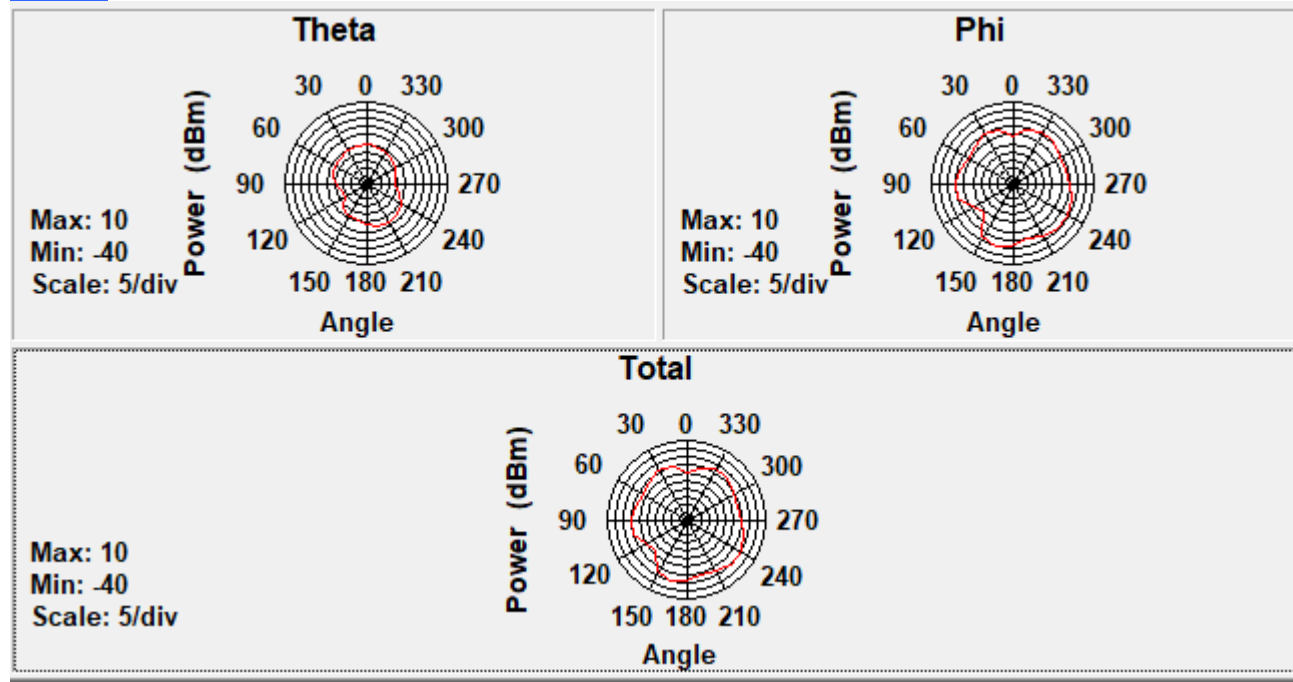
The listed frequency 2D radiation pattern is required

● Ant5:

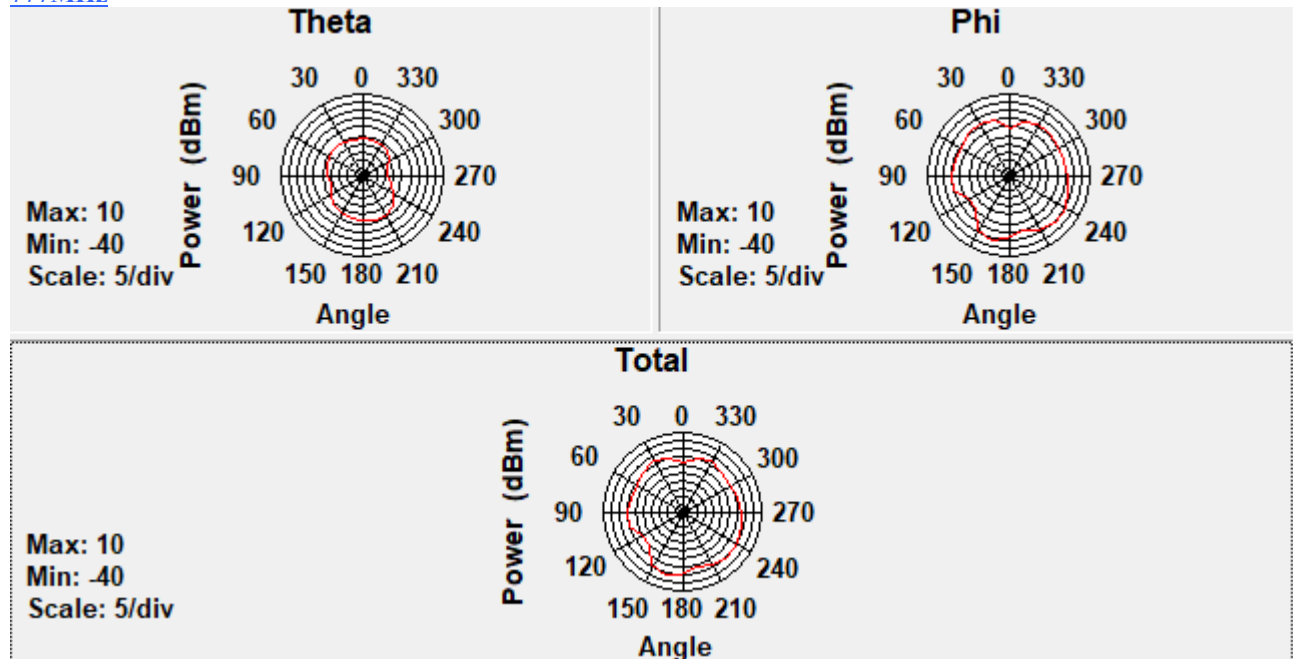
715MHz



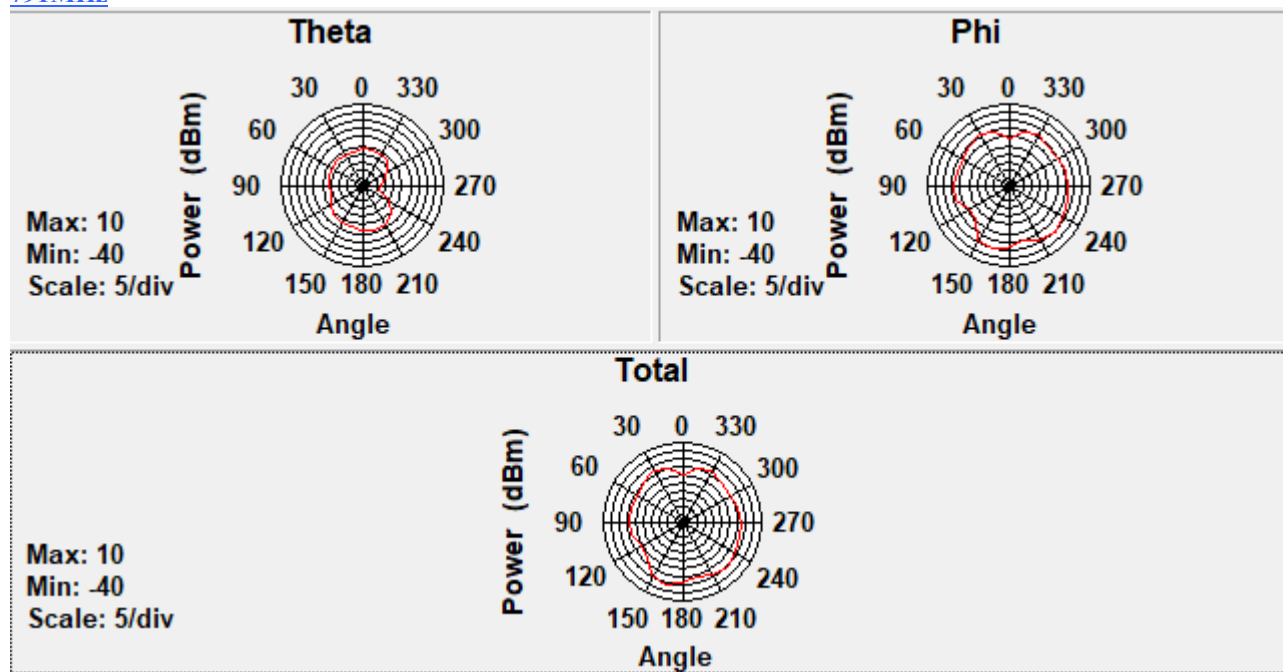
Center Frequency	715MHz
Horizontal (dBi) peak	-13.3
Vertical (dBi) peak	-1.48

745MHz

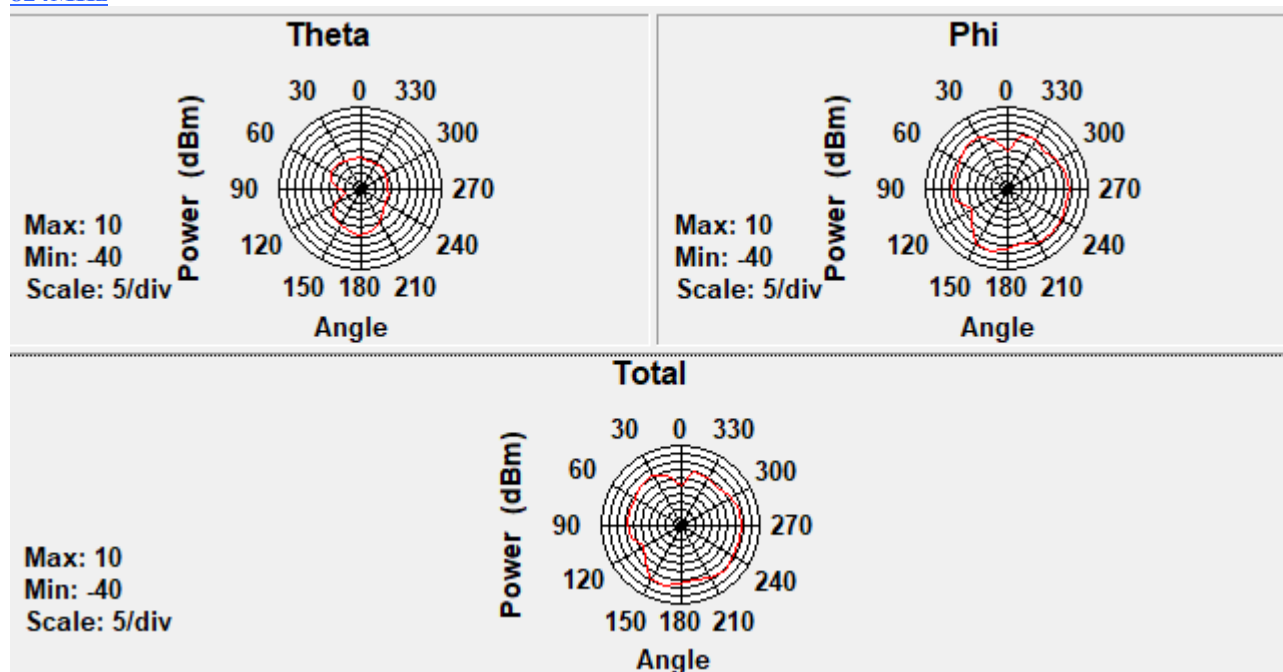
Center Frequency	745MHz
Horizontal (dBi) peak	-12.8
Vertical (dBi) peak	-1.16

777MHz

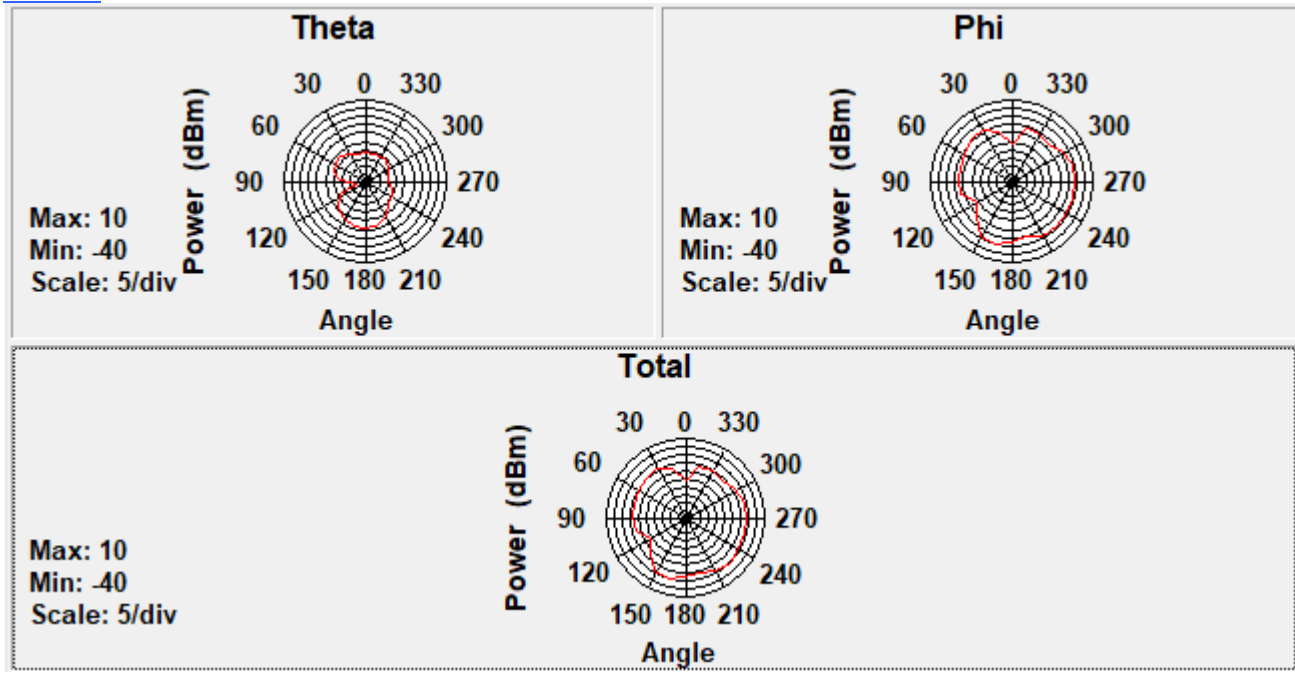
Center Frequency	777MHz
Horizontal (dBi) peak	-11.88
Vertical (dBi) peak	0.16

791MHz

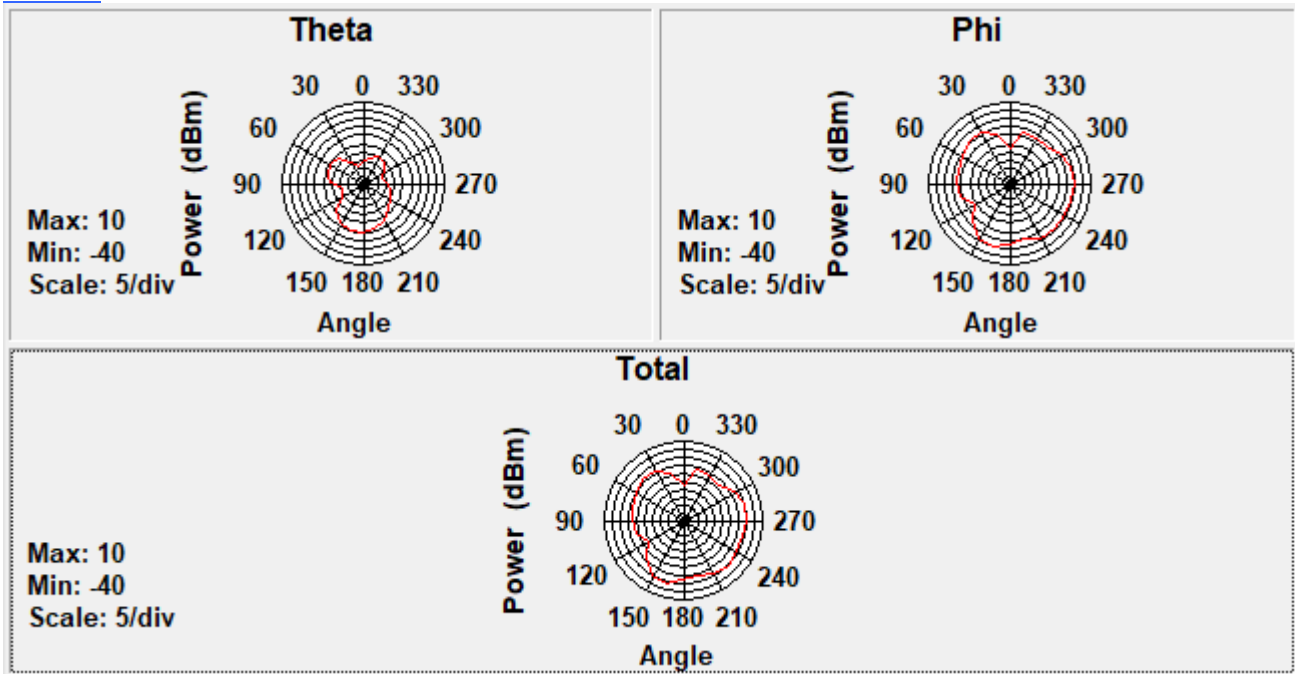
Center Frequency	791MHz
Horizontal (dBi) peak	-12.15
Vertical (dBi) peak	-0.32

824MHz

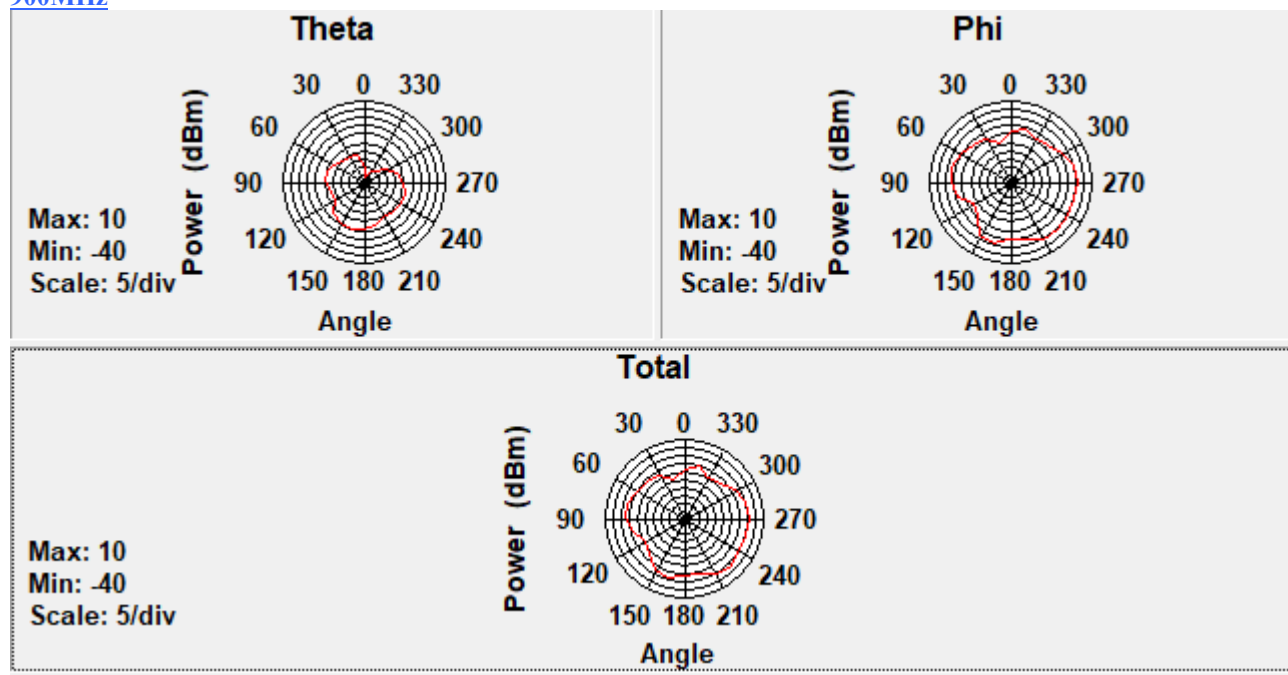
Center Frequency	824MHz
Horizontal (dBi) peak	-11.93
Vertical (dBi) peak	-1.07

830MHz

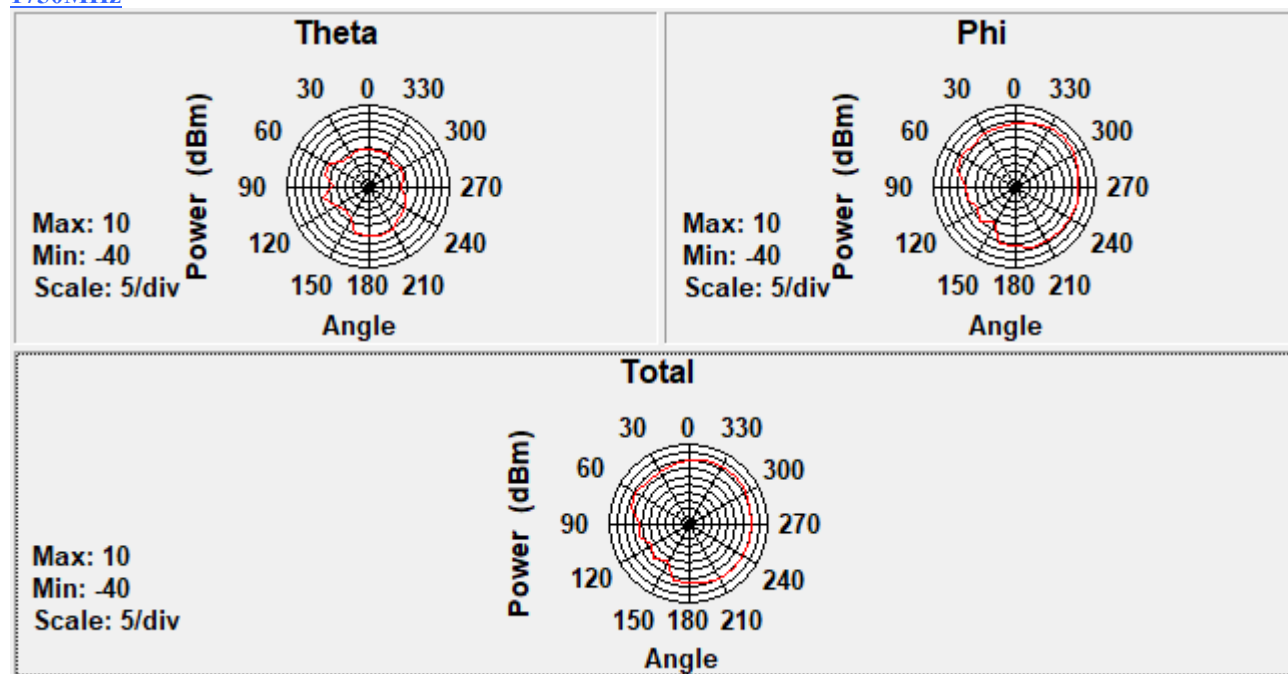
Center Frequency	830MHz
Horizontal (dBi) peak	-11.65
Vertical (dBi) peak	-0.93

845MHz

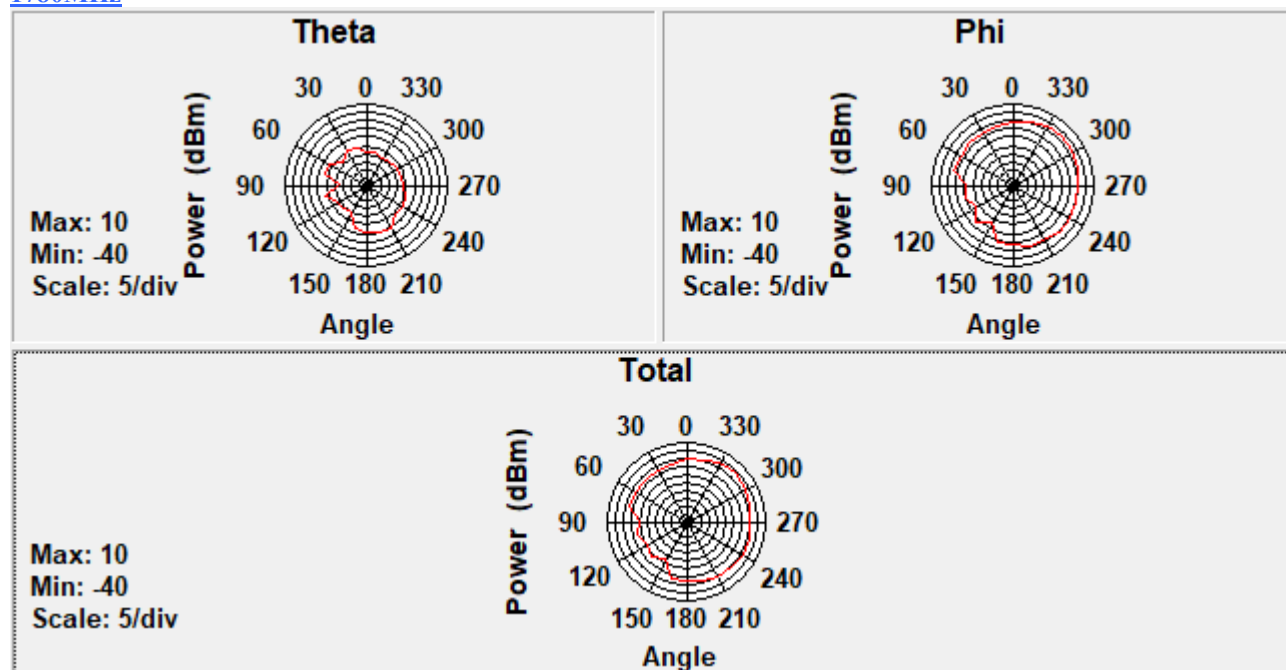
Center Frequency	845MHz
Horizontal (dBi) peak	-10.91
Vertical (dBi) peak	-0.65

900MHz

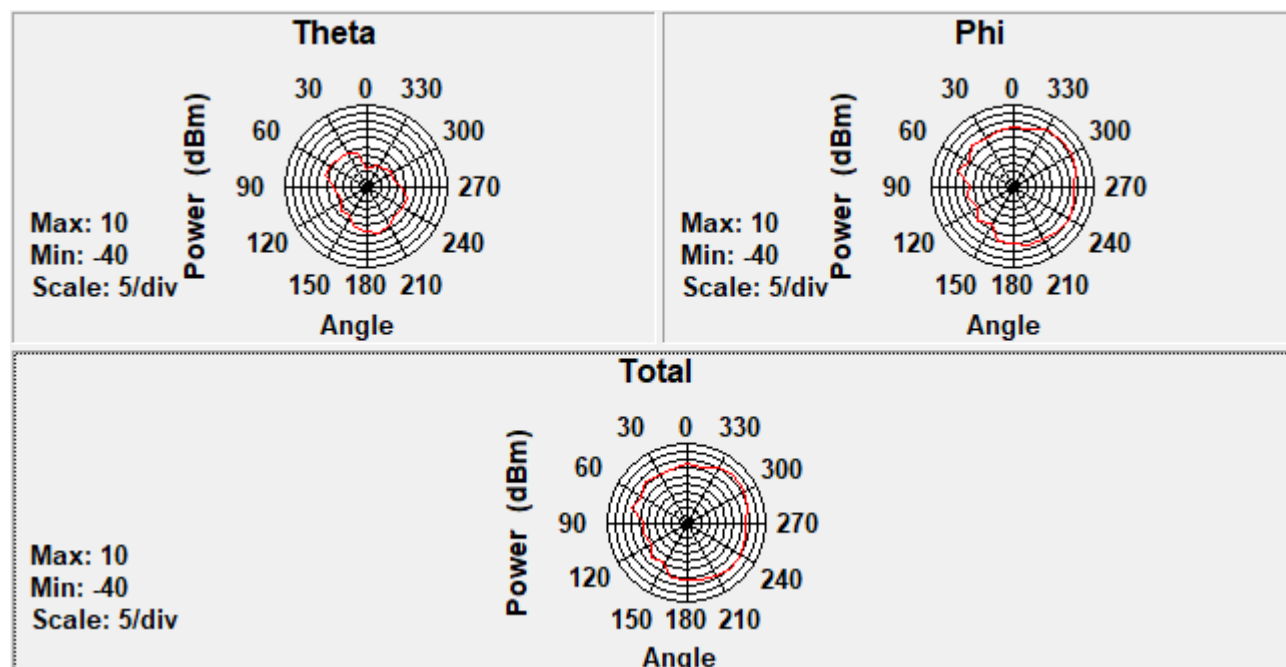
Center Frequency	900MHz
Horizontal (dBi) peak	-11.15
Vertical (dBi) peak	-0.02

1750MHz

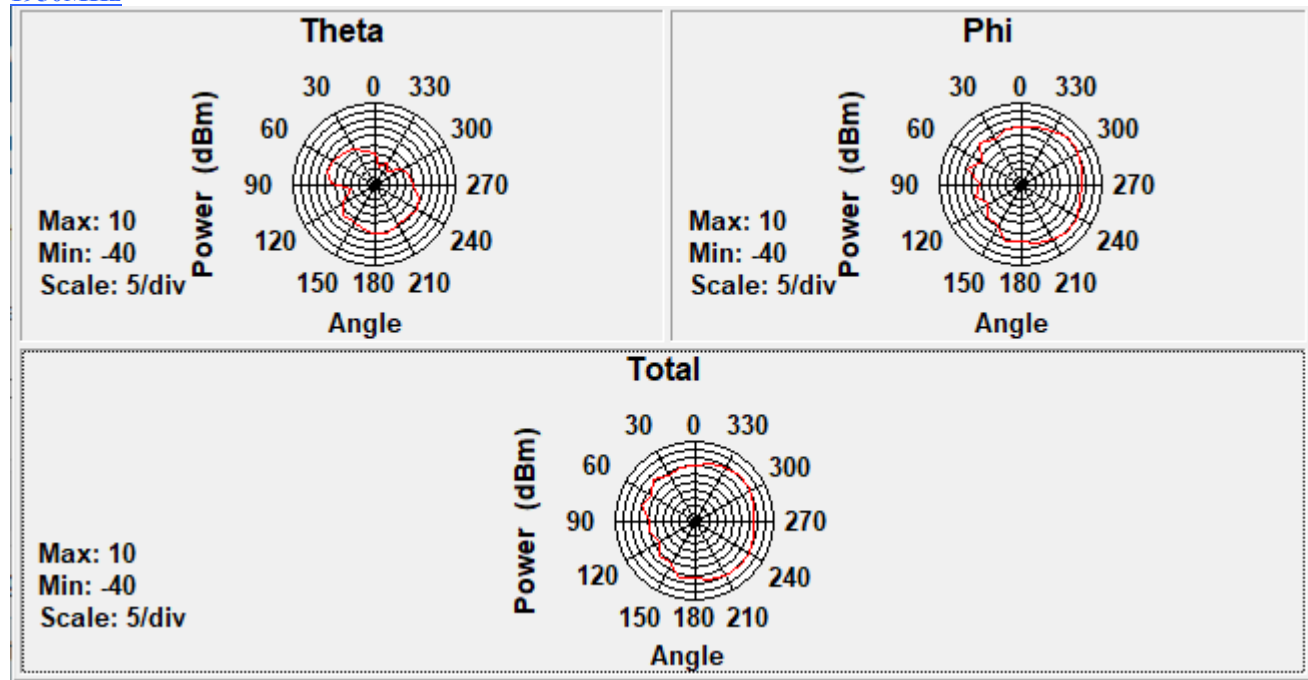
Center Frequency	1750MHz
Horizontal (dBi) peak	-9.42
Vertical (dBi) peak	1.74

1780MHz

Center Frequency	1780MHz
Horizontal (dBi) peak	-10.36
Vertical (dBi) peak	1.85

1850MHz

Center Frequency	1850MHz
Horizontal (dBi) peak	-11.21
Vertical (dBi) peak	0.57

1950MHz

Center Frequency	1950MHz
Horizontal (dBi) peak	-9.59
Vertical (dBi) peak	-0.31

Section 8. Local representative contact information

Local representative contact information is required for regulatory support for target countries below.

	Local company name	Contact name	Phone number	FAX Number	e-Mail Address	Notes
Argentina						
Azerbaijan						
Cambodia						
Indonesia						
Israel						
Malaysia						
Philippines						
Singapore						Telecommunication Equipment Dealer License Required
South Africa						
USA, Canada						
Vietnam						