

## Regulatory WLAN Antenna Information

<b>Platform</b>	
Platform Owner	DELL
Brand Name	DELL
Model Name	Latitude E4200
ODM	Compal Corporation
Target Launch Date	(2009/ 07/ 29)
<b>Antenna</b>	
Brand Name	Amotech
Part Number	■ Tx1 Antenna: AMNA-CB3-CP001
	■ Tx2 Antenna : AMNA-CB3-CP001
	■ Tx3 Antenna : AMNA-CB3-CP001
<b>Module</b>	
With WLAN Module	<input type="checkbox"/> 512ANX Family
(Check Box)	<input type="checkbox"/> 533AN Family
	<input type="checkbox"/> 512AN Family


## 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 only	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	Part number of Antenna Assembly / cable impedance, length & diameter.	Required	Desired	Desired	Desired	Desired
1E	Tx1, Tx2 & Tx3 antenna (Peak Gain W/ cable loss) *	Required	Required	Required	Required	Required
	1E OR 1F, 1G, 1H					
1F	Tx1, Tx2 & Tx3 antenna (Peak Gain only) *	Required	Required	Required	Required	Required
1G	VSWR of cable including connector	Required	Required	Required	Required	Required
1H	Tx1, Tx2 & Tx3 antenna (Cable loss W/ connector) *	Required	Required	Required	Required	Required
2	Dimensioned Photographs <u>and</u> Drawings of Tx1, Tx2, and Tx3 (or Rx3) antennas	Required	Required	Required	Required	Required
3	Radiation patterns of antennas loaded in the host platform.	Required	Desired	Required	N/A	Required
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. <u>(S. Korea requires photographs of antennas for approval submission). Taiwan requires pictures of each antenna type shown in the system.</u>	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

NOTE:

(\*) if 3<sup>rd</sup> antenna is Rx only (e.g. receive only for 4965AGN) then peak gain and cable loss not required

# Antenna Information

## Section 1. Antenna Assembly Specifications

### Antenna Assembly Summary:

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 VSWR	1H Cable Loss (dBi)
AMNA-CB1-CP001 Tx1 antenna	AMOTECH	PIFA	50 ohm Coaxial. length: 48.9cm diameter: 1.13mm Connector: IPEX MHF	2400-2500MHz 0.50 dBi (peak)	2400-2500MHz 1.77 dBi (peak)	2400-2500MHz 2.0 max	2400-2500MHz 1.27 dBi (peak)
				2496-2690MHz 1.76 dBi (peak)	2496-2690MHz 3.08 dBi (peak)	2496-2690MHz 2.0 max	2496-2690MHz 1.32 dBi (peak)
				5150-5350MHz -0.23 dBi (peak)	5150-5350MHz 1.80 dBi (peak)	5150-5350MHz 2.0 max	5150-5350MHz 2.03 dBi (peak)
				5470-5725MHz -0.72 dBi (peak)	5470-5725MHz 1.33 dBi (peak)	5470-5725MHz 2.0 max	5470-5725MHz 2.05 dBi (peak)
				5725-5850MHz 0.24 dBi (peak)	5725-5850MHz 2.34 dBi (peak)	5725-5850MHz 2.0 max	5725-5850MHz 2.10 dBi (peak)
AMNA-CB1-CP001 Tx2 antenna	AMOTECH	PIFA	50 ohm Coaxial. length: 45.2cm diameter: 1.13mm Connector: IPEX MHF	2400-2500MHz -1.58 dBi (peak) *	2400-2500MHz -0.40 dBi (peak) *	2400-2500MHz 2.0 max	2400-2500MHz 1.18 dBi (peak) *
				2496-2690MHz 0.05 dBi (peak) *	2496-2690MHz 1.27 dBi (peak) *	2496-2690MHz 2.0 max	2496-2690MHz 1.22 dBi (peak) *
				5150-5350MHz -1.94 dBi (peak) *	5150-5350MHz -0.05 dBi (peak) *	5150-5350MHz 2.0 max	5150-5350MHz 1.89 dBi (peak) *
				5470-5725MHz -1.78 dBi (peak) *	5470-5725MHz 0.12 dBi (peak) *	5470-5725MHz 2.0 max	5470-5725MHz 1.90 dBi (peak) *
				5725-5850MHz -1.78 dBi (peak) *	5725-5850MHz 0.16 dBi (peak) *	5725-5850MHz 2.0 max	5725-5850MHz 1.94 dBi (peak) *
AMNA-CB1-CP001 Tx3 antenna	AMOTECH	PIFA	50 ohm Coaxial. length: 17.8cm diameter: 1.13mm Connector: IPEX MHF	2400-2500MHz -1.70 dBi (peak) *	2400-2500MHz -1.24 dBi (peak) *	2400-2500MHz 2.0 max	2400-2500MHz 0.46 dBi (peak) *
				2496-2690MHz -1.70 dBi (peak) *	2496-2690MHz -1.22 dBi (peak) *	2496-2690MHz 2.0 max	2496-2690MHz 0.48 dBi (peak) *
				5150-5350MHz -0.86 dBi (peak) *	5150-5350MHz -0.08 dBi (peak) *	5150-5350MHz 2.0 max *	5150-5350MHz 0.74 dBi (peak) *
				5470-5725MHz -0.52 dBi (peak) *	5470-5725MHz 0.25 dBi (peak) *	5470-5725MHz 2.0 max *	5470-5725MHz 0.75 dBi (peak) *
				5725-5850MHz -0.33 dBi (peak) *	5725-5850MHz 0.44 dBi (peak) *	5725-5850MHz 2.0 max	5725-5850MHz 0.77 dBi (peak) *

#### NOTE:

(\* If Rx2/Rx3 only (2<sup>nd</sup> or 3<sup>rd</sup> antenna receives only, e.g. for 512 family & 4965AGN) then the information marked with \* is not required

**Antenna Peak Gain Table:**

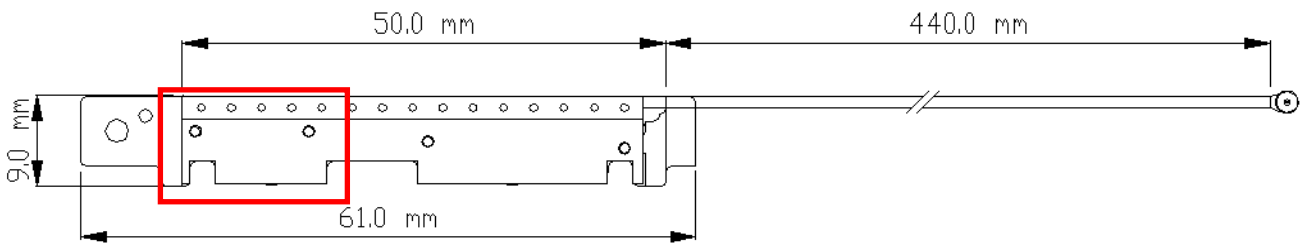
Frequency (MHz)	Tx1 antenna		Tx2 (or Rx2) Antenna		Tx3 (or Rx3) Antenna	
	Horizontal (dBi)	Vertical (dBi)	Horizontal (dBi)	Vertical (dBi)	Horizontal (dBi)	Vertical (dBi)
2400	-3.67	0.38	-4.78	-5.91	-3.37	-6.88
2450	-2.91	1.32	-2.55	-7.42	-2.00	-2.55
2500	-2.08	0.50	-2.88	-1.58	-1.70	-2.10
2501	-2.07	0.41	-2.91	-1.47	-1.74	-2.14
2593	-3.22	1.76	-2.22	-4.66	-7.03	-6.34
2685	-2.97	-0.61	-4.18	0.05	-3.14	-7.58
5150	1.78	-0.83	-1.66	-2.62	-3.46	-7.38
5250	0.62	-0.23	-2.41	-1.94	-0.86	-7.01
5350	1.40	-0.44	-1.25	-2.21	-2.41	-5.58
5470	-0.12	-0.93	-0.47	-2.03	-0.40	-7.29
5600	-0.40	-1.69	-2.46	-3.60	-1.38	-7.72
5725	-0.51	-0.72	-2.50	-1.78	-0.52	-7.59
5785	-0.47	-0.24	-2.10	-2.66	-1.26	-6.59
5850	-0.98	0.24	-3.34	-4.49	-0.33	-7.06

- Antenna Peak Gain required being test in system basis.
- 1E frame contend absolutely peak antenna gain include H/V
- If Rx2 only (2<sup>nd</sup> antenna receives only, e.g. for 512 family) then the information is not required for Rx2.
- If Rx3 only (3<sup>rd</sup> antenna receives only, e.g. for 4965AGN) then the information is not required for Rx3.

**Section 2. Dimensioned Photos or Drawings of Antennas**

Include a dimensioned photo and dimensioned drawing of Tx1 antenna here.

**Tx1 Antenna Dimensioned Drawing:**



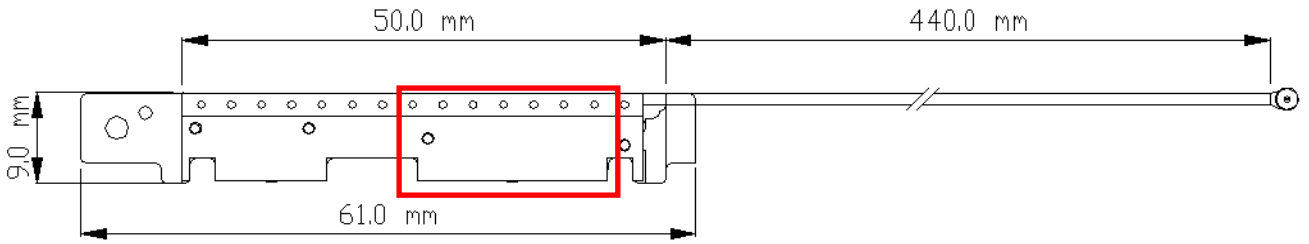
**Tx1 Antenna Photo:**



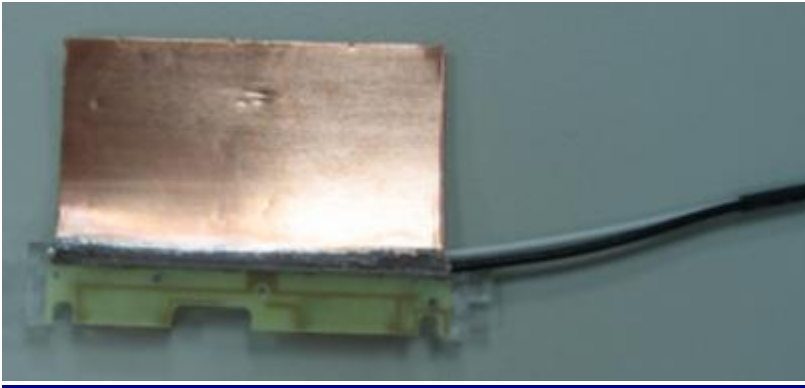


Include a dimensioned photo and dimensioned drawing of Tx2 (or Rx2) antenna here.

**Tx2 (or Rx2) Antenna Dimensioned Drawing:**



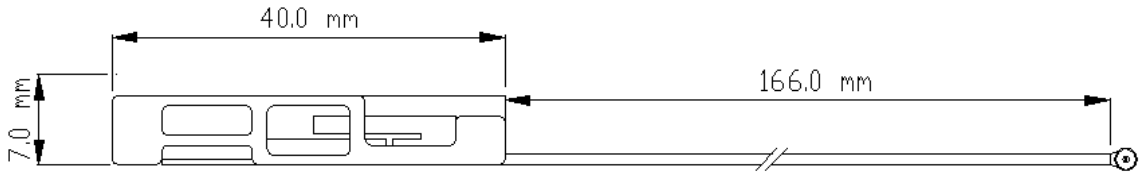
**Tx2 (or Rx2) Antenna Photo:**



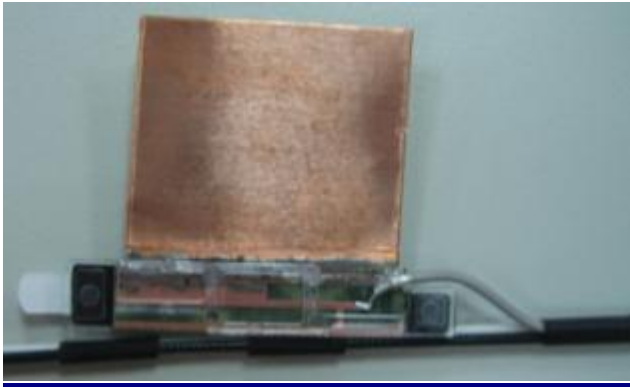


Include a dimensioned photo and dimensioned drawing of Tx3 (or Rx3) antenna here.

**Tx3 (or Rx3) Antenna Dimensioned Drawing:**



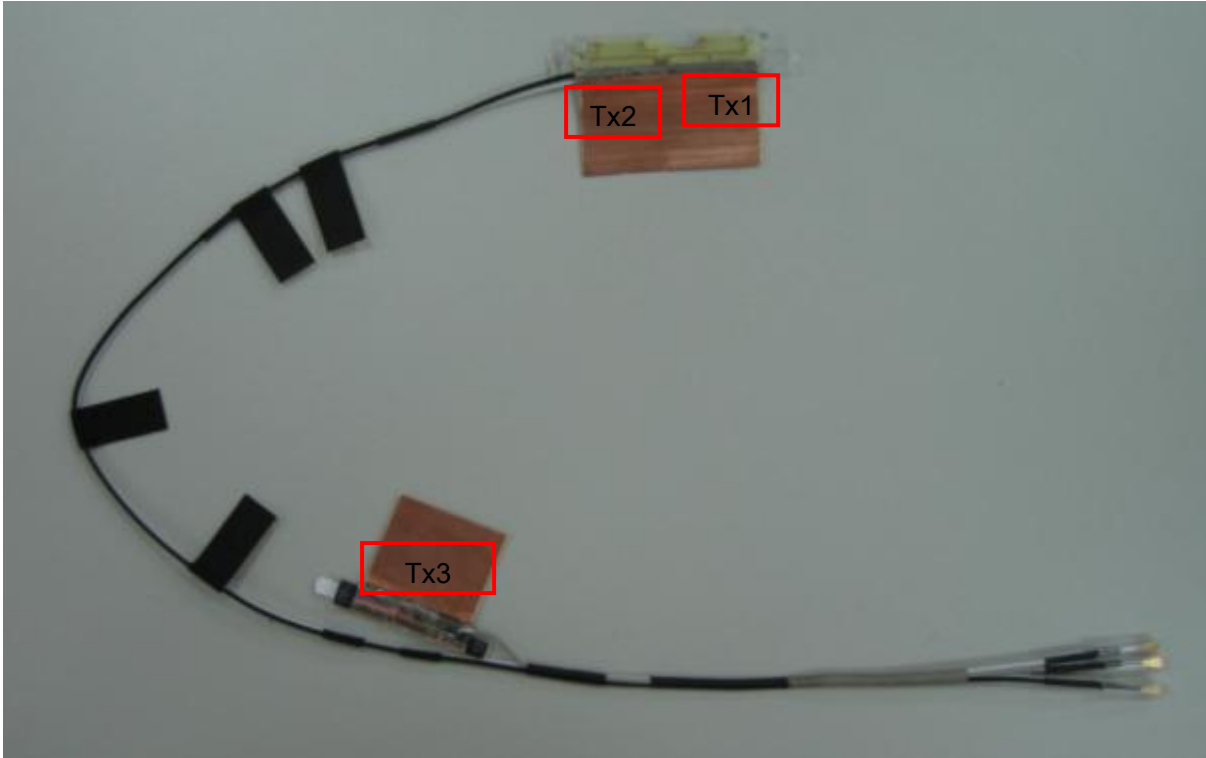
**Tx3 (or Rx3) Antenna Photo:**



**Include front view photo of all 3 antennas here.**

Antenna Manufacturer: Amotech

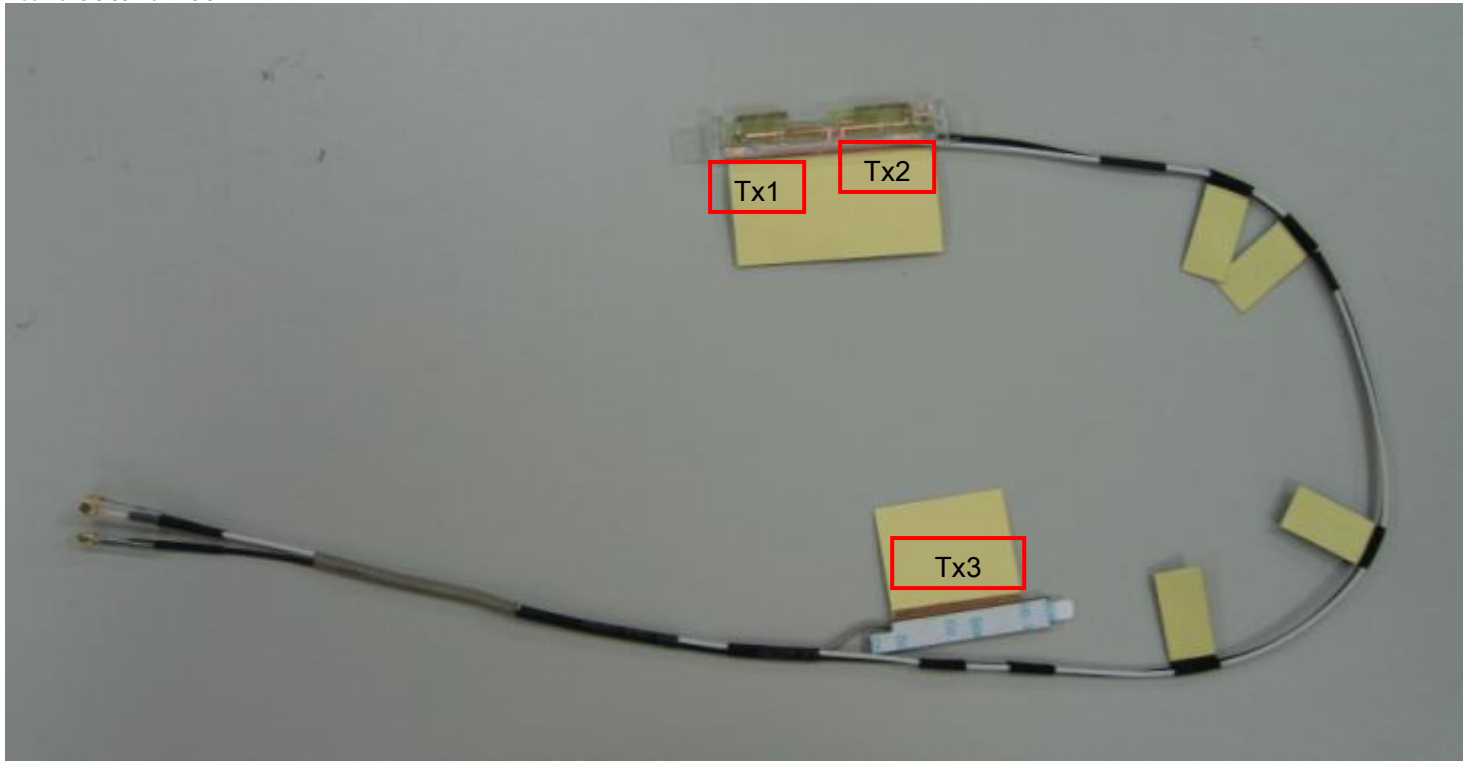
Antenna Part Number: AMAN-CB3-CP001 (Tx1), AMAN-CB3-CP001 (Tx2 or Rx2), AMAN-CB3-CP001 (Tx3 or Rx3)



**Include back view photo of all 3 antennas here.**

Antenna Manufacturer: Amotech

Antenna Part Number: AMAN-CB3-CP001 (Main), AMAN-CB3-CP001 (Aux), AMAN-CB3-CP001 (MIMO)

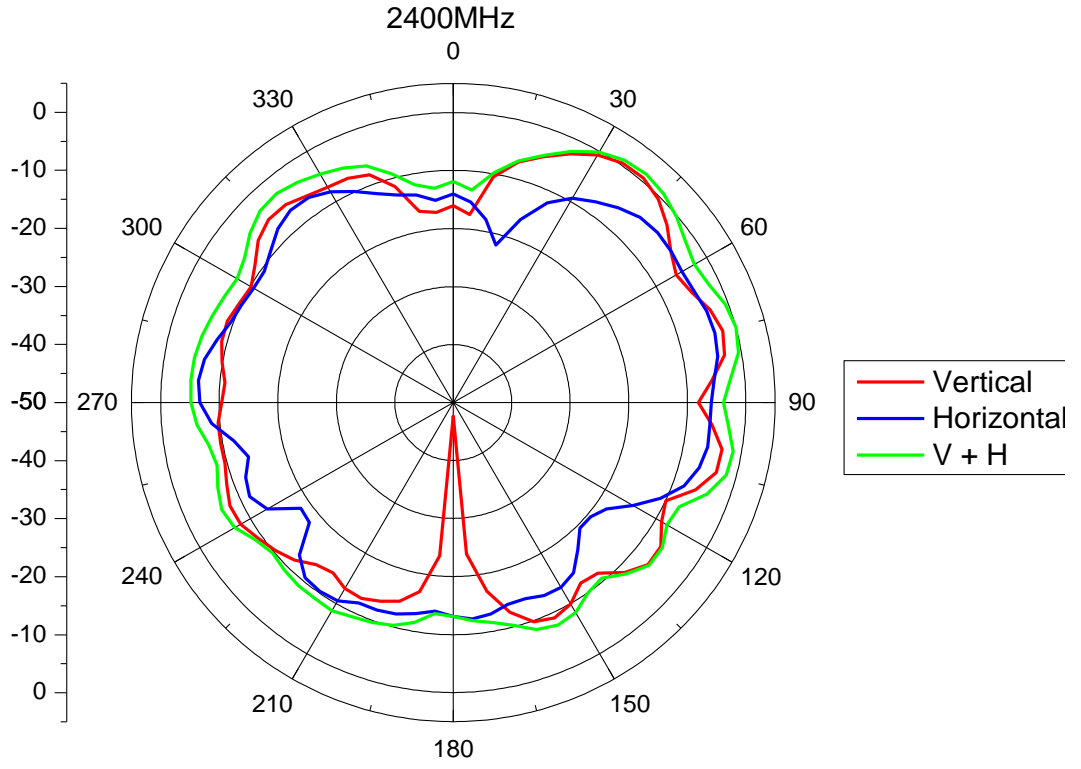


### Section 3. Radiation characteristics of antennae Loaded in Host Platform

#### 2400-2500MHz radiation characteristic

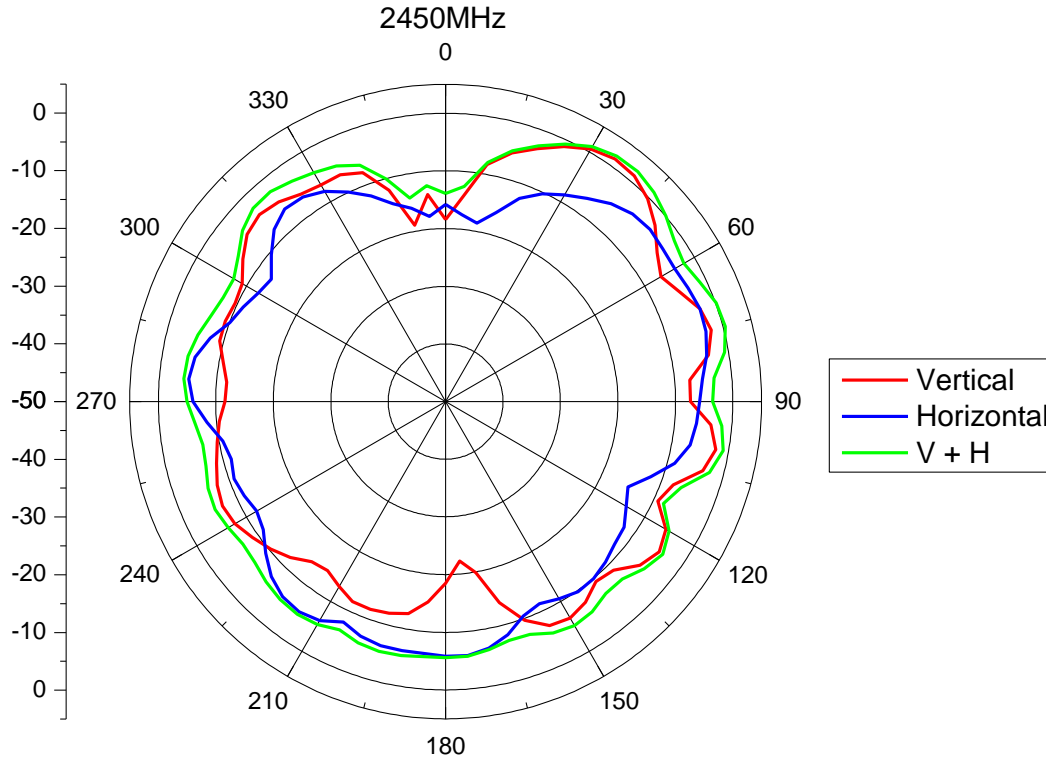
Tx1 antenna: 2400 MHz





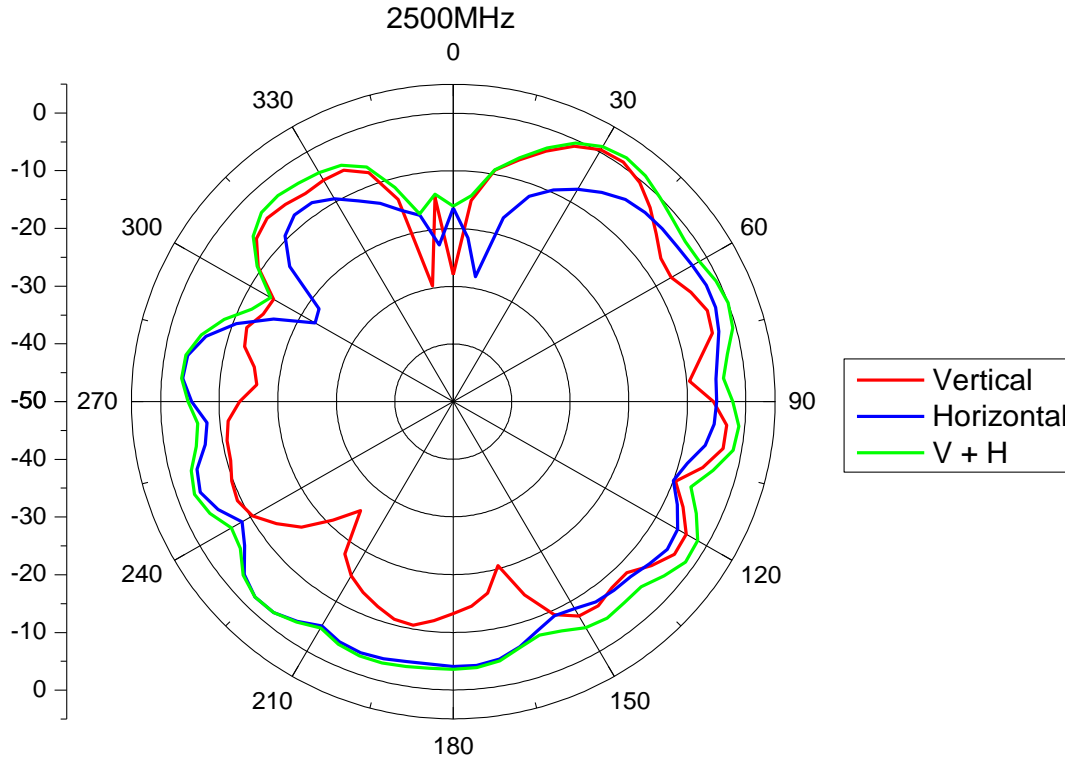
Center Frequency	<b>2400 MHz</b>
Horizontal (dBi) peak	<b>-3.67</b>
Vertical (dBi) peak	<b>0.38</b>

**Tx1 antenna: 2450 MHz**



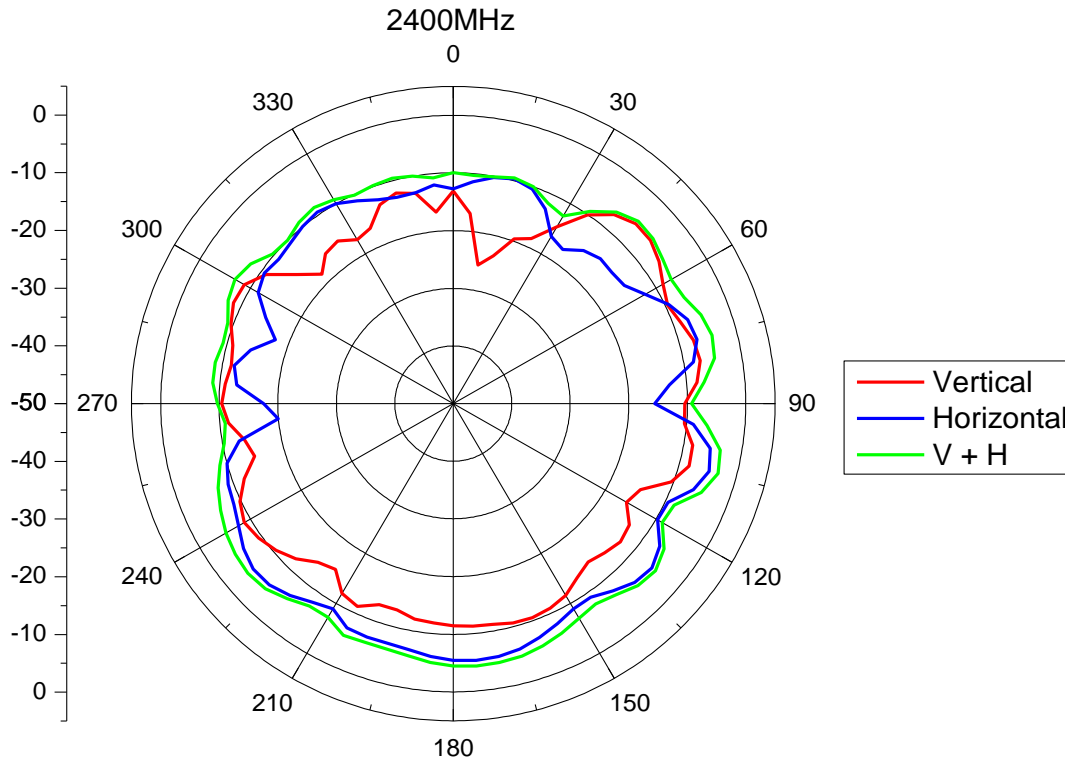
Center Frequency	<b>2450 MHz</b>
Horizontal (dBi) peak	<b>-2.91</b>
Vertical (dBi) peak	<b>1.32</b>

**Tx1 antenna: 2500 MHz**



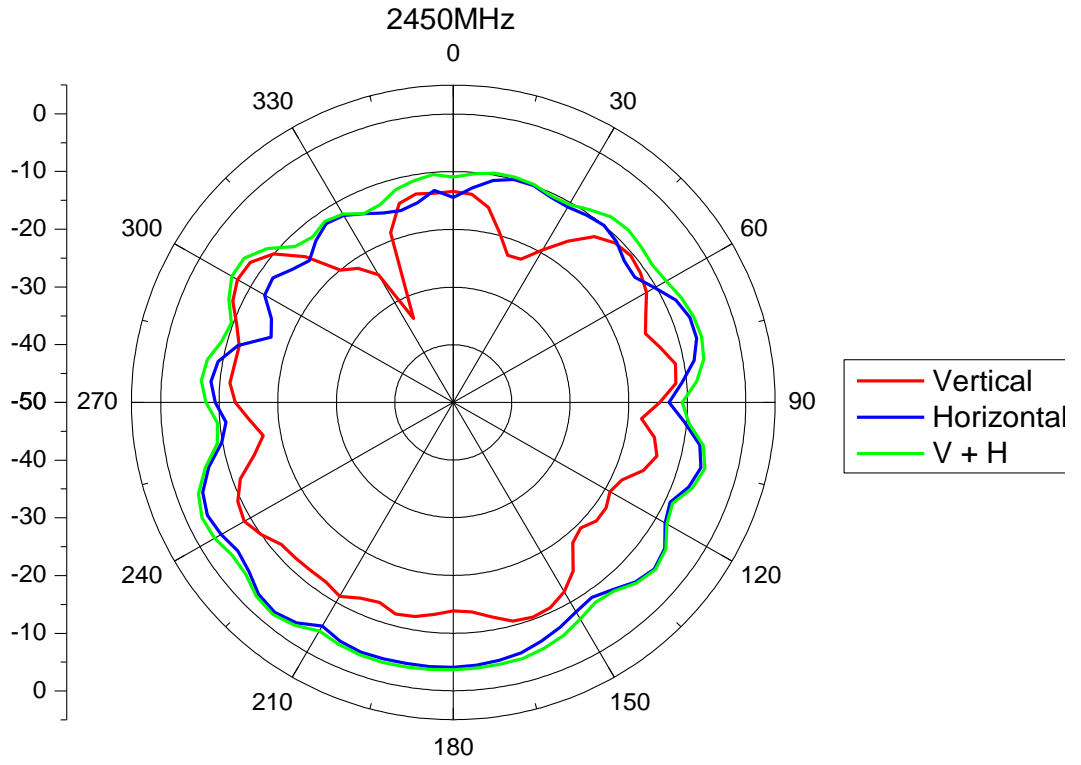
Center Frequency	<b>2500 MHz</b>
Horizontal (dBi) peak	<b>-2.08</b>
Vertical (dBi) peak	<b>0.50</b>

**Tx2 (or Rx2) antenna: 2400 MHz (Plot is not required if 2<sup>nd</sup> Antenna is receive only e.g. Rx2 for 512 family)**



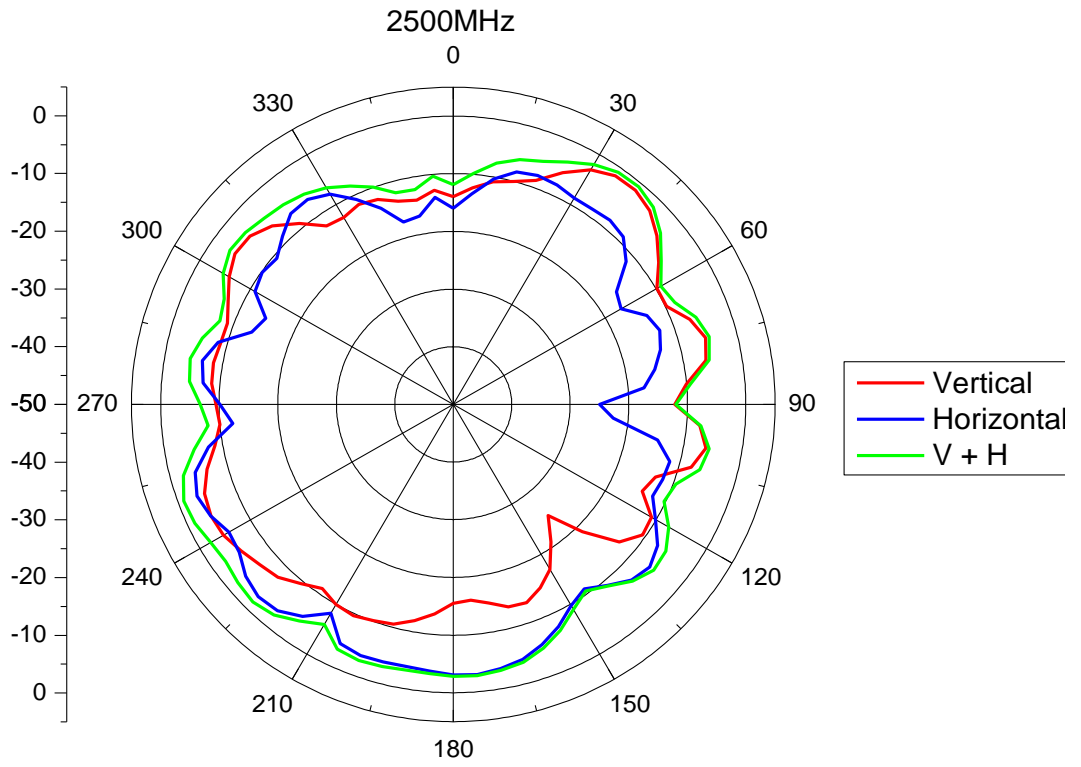
Center Frequency	<b>2400 MHz</b>
Horizontal (dBi) peak	<b>-4.78</b>
Vertical (dBi) peak	<b>-5.91</b>

**Tx2 (or Rx2) antenna: 2450 MHz (Plot is not required if 2<sup>nd</sup> Antenna is receive only e.g. Rx2 for 512 family)**



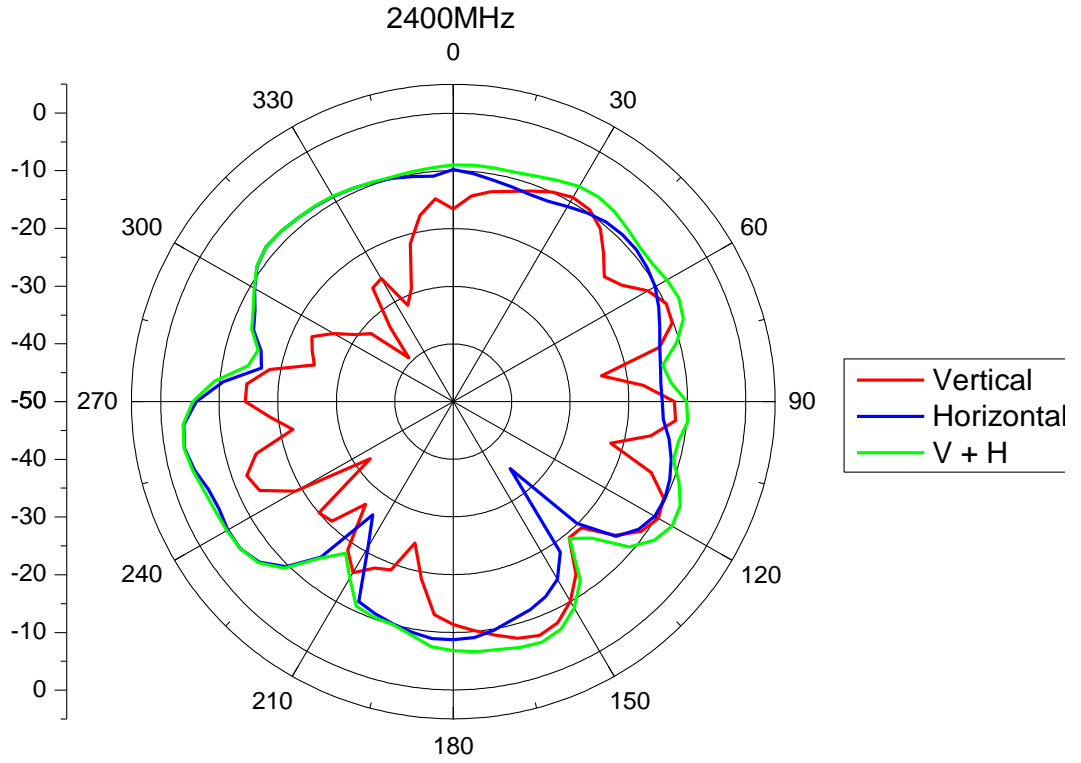
Center Frequency	<b>2450 MHz</b>
Horizontal (dBi) peak	<b>-2.55</b>
Vertical (dBi) peak	<b>-7.42</b>

**Tx2 (or Rx2) antenna: 2500 MHz (Plot is not required if 2<sup>nd</sup> Antenna is receive only e.g. Rx2 for 512 family)**



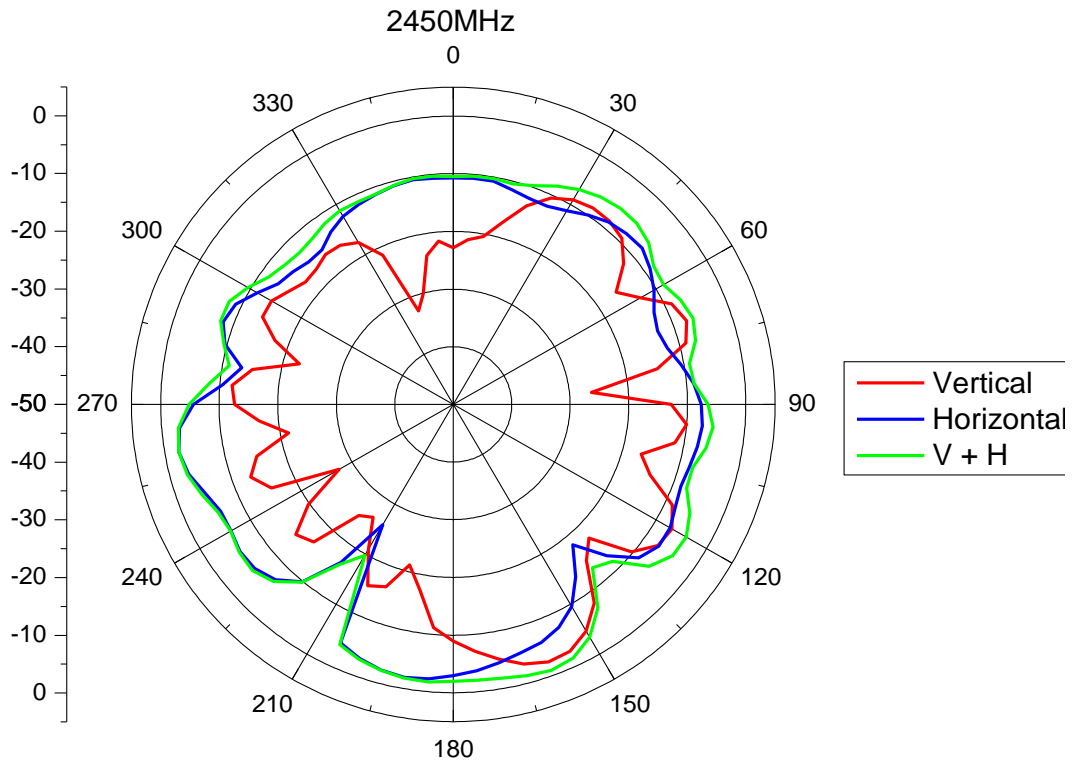
Center Frequency	<b>2500 MHz</b>
Horizontal (dBi) peak	<b>-2.88</b>
Vertical (dBi) peak	<b>-1.58</b>

**Tx3 (or Rx3) antenna: 2400 MHz (Plot is not required if 3<sup>rd</sup> Antenna is receive only e.g. Rx3 for 4965AGN)**



Center Frequency	<b>2400 MHz</b>
Horizontal (dBi) peak	<b>-3.37</b>
Vertical (dBi) peak	<b>-6.88</b>

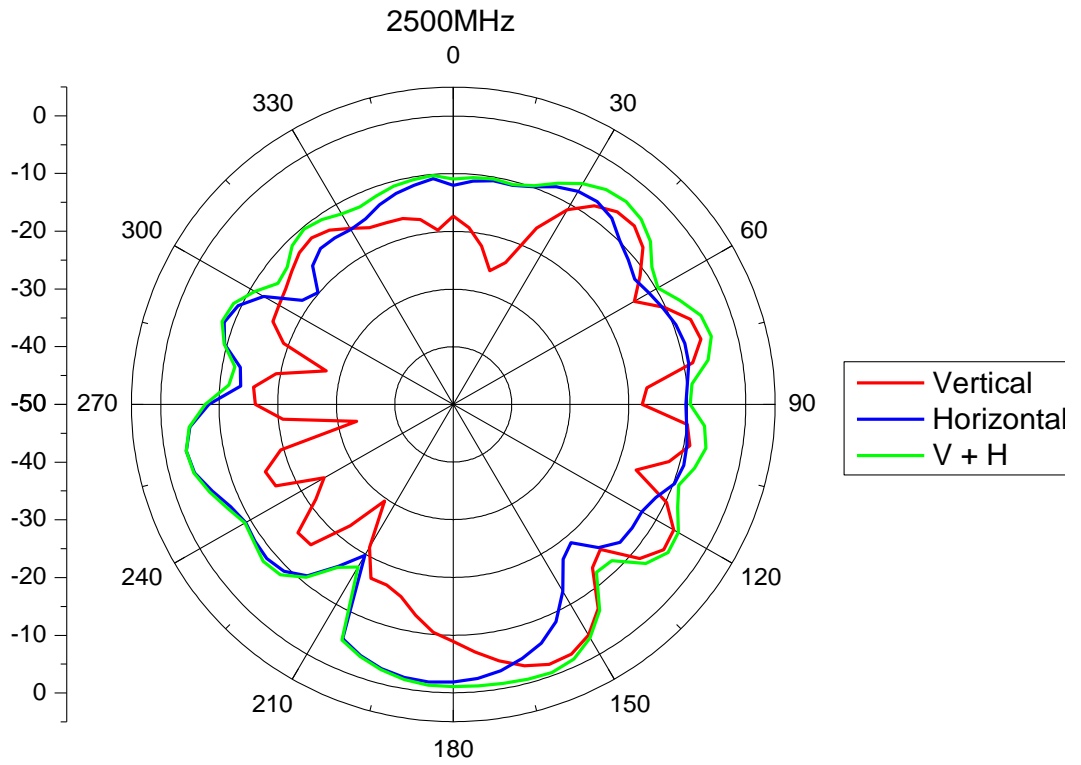
**Tx3 (or Rx3) antenna: 2450 MHz (Plot is not required if 3<sup>rd</sup> Antenna is receive only e.g. Rx3 for 4965AGN)**



Center Frequency	<b>2450 MHz</b>
Horizontal (dBi) peak	<b>-2.00</b>
Vertical (dBi) peak	<b>-2.55</b>



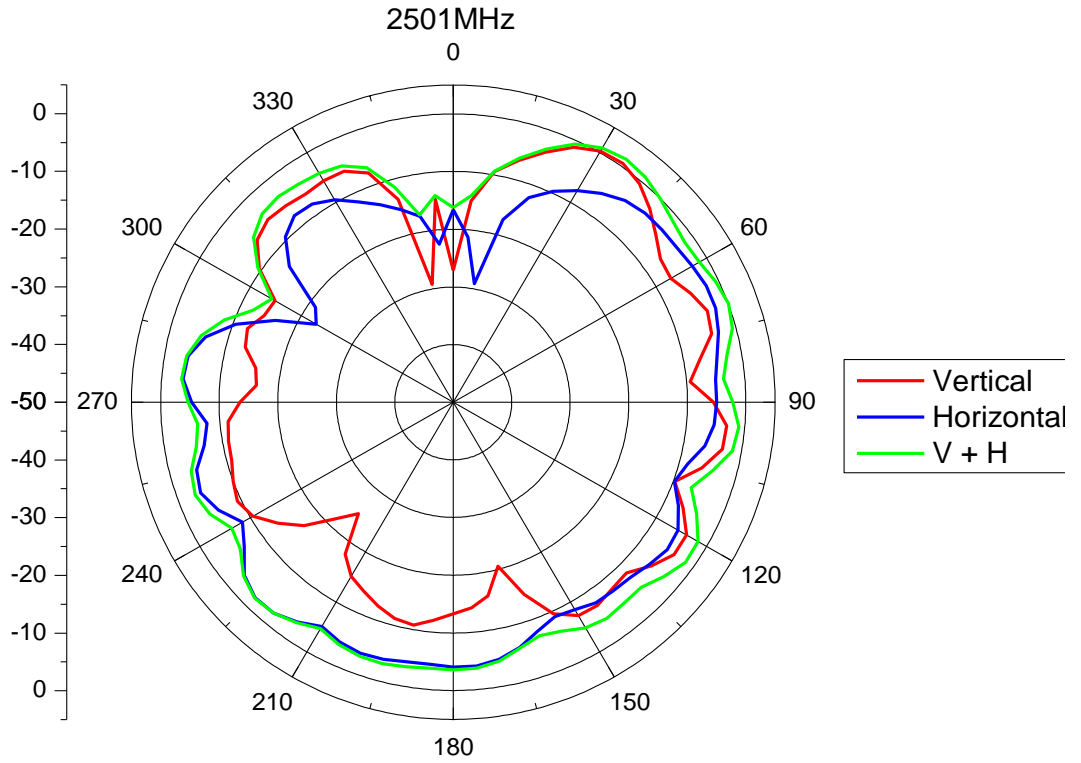
**Tx3 (or Rx3) antenna: 2500 MHz (Plot is not required if 3<sup>rd</sup> Antenna is receive only e.g. Rx3 for 4965AGN)**



Center Frequency	<b>2500 MHz</b>
Horizontal (dBi) peak	<b>-1.70</b>
Vertical (dBi) peak	<b>-2.10</b>

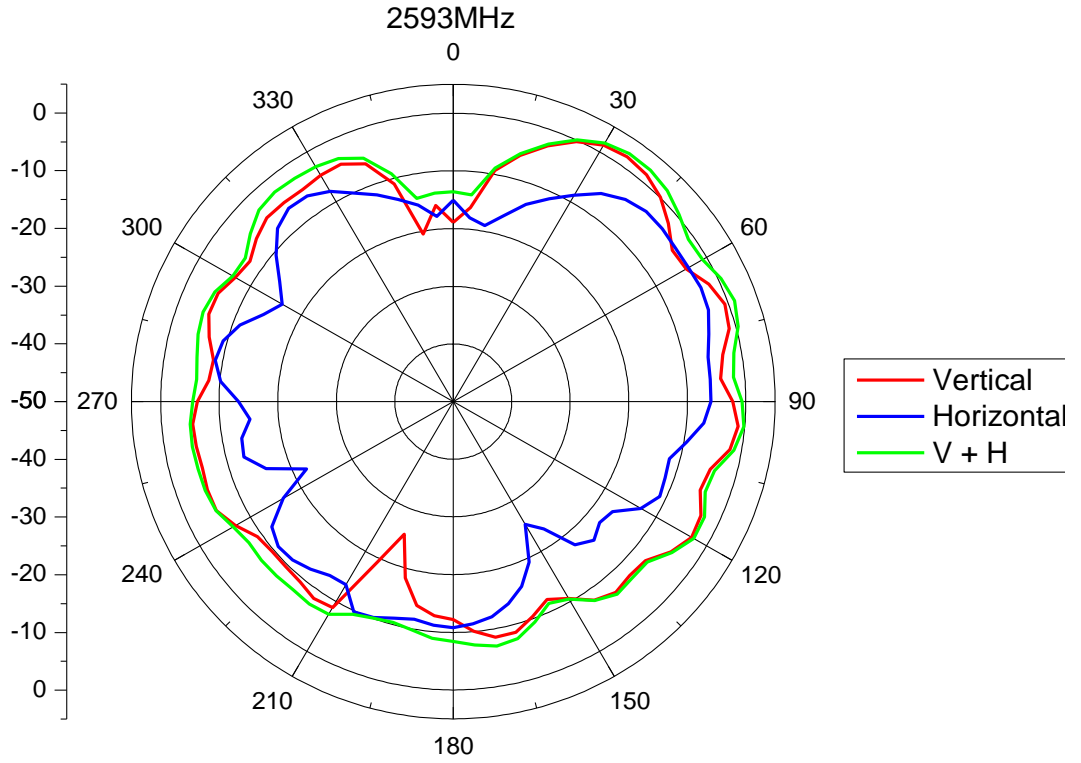
**2490-2700MHz radiation characteristic**

**Tx1antenna: 2501MHz**



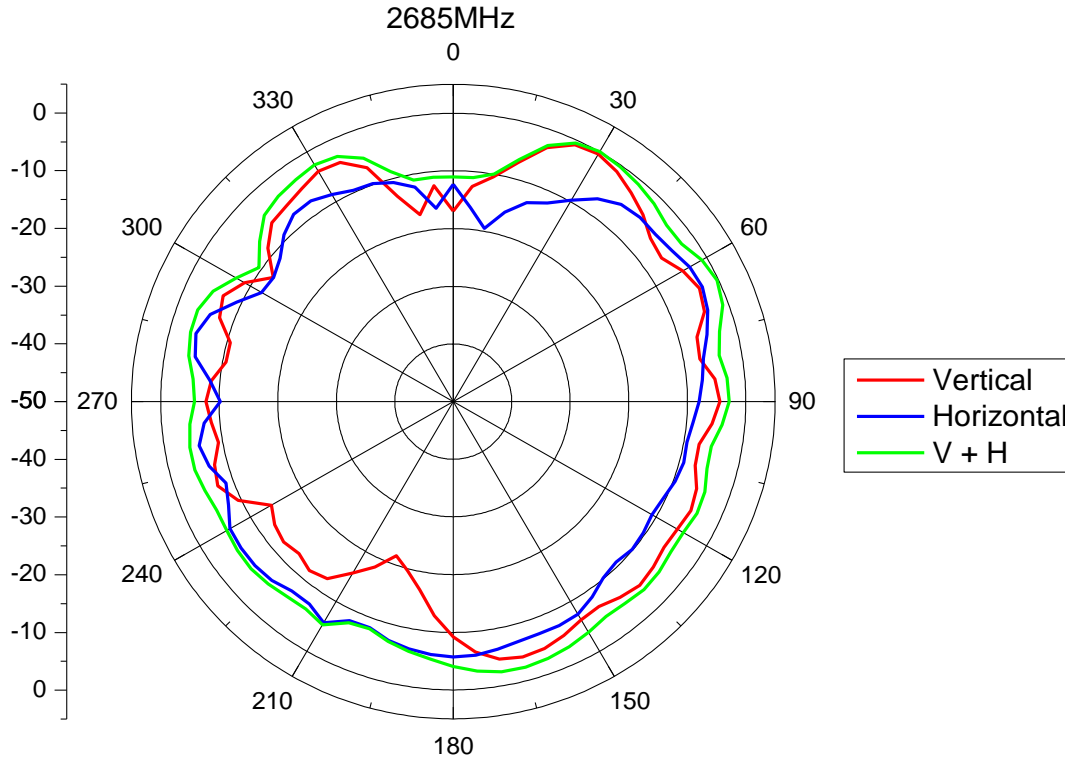
Center Frequency	<b>2501 MHz</b>
Horizontal (dBi) peak	<b>-2.07</b>
Vertical (dBi) peak	<b>0.41</b>

**Tx1 antenna: 2593MHz**



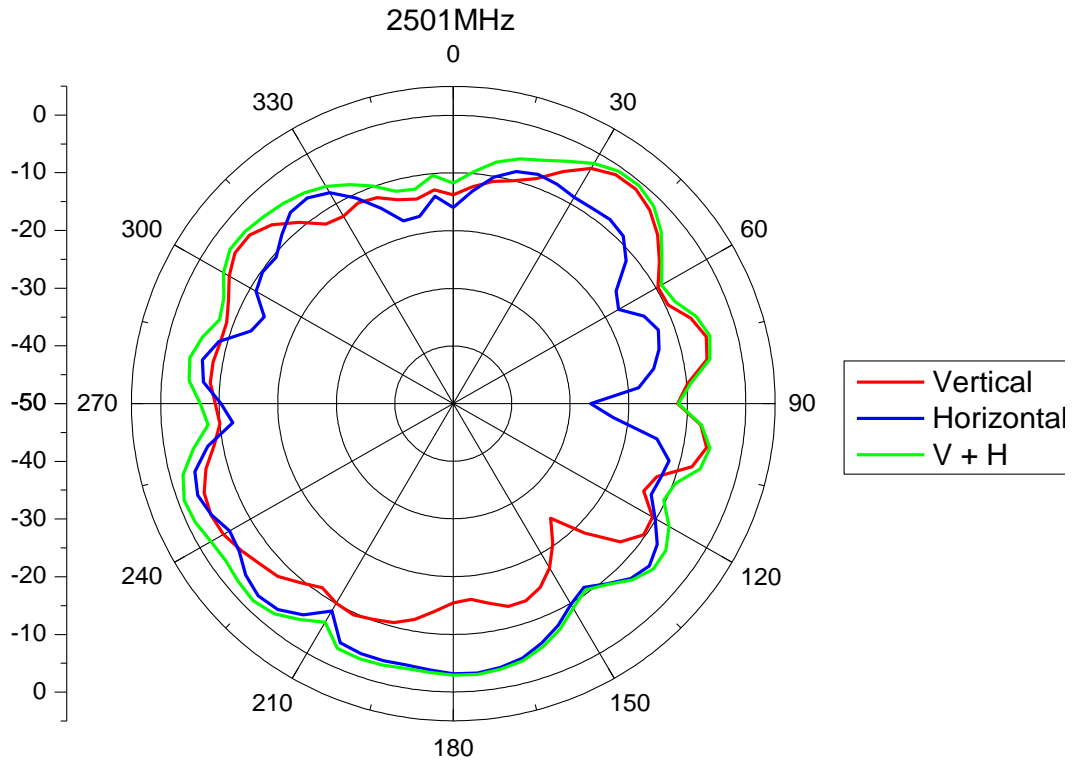
Center Frequency	<b>2593 MHz</b>
Horizontal (dBi) peak	<b>-3.22</b>
Vertical (dBi) peak	<b>1.76</b>

**Tx1 antenna: 2685 MHz**



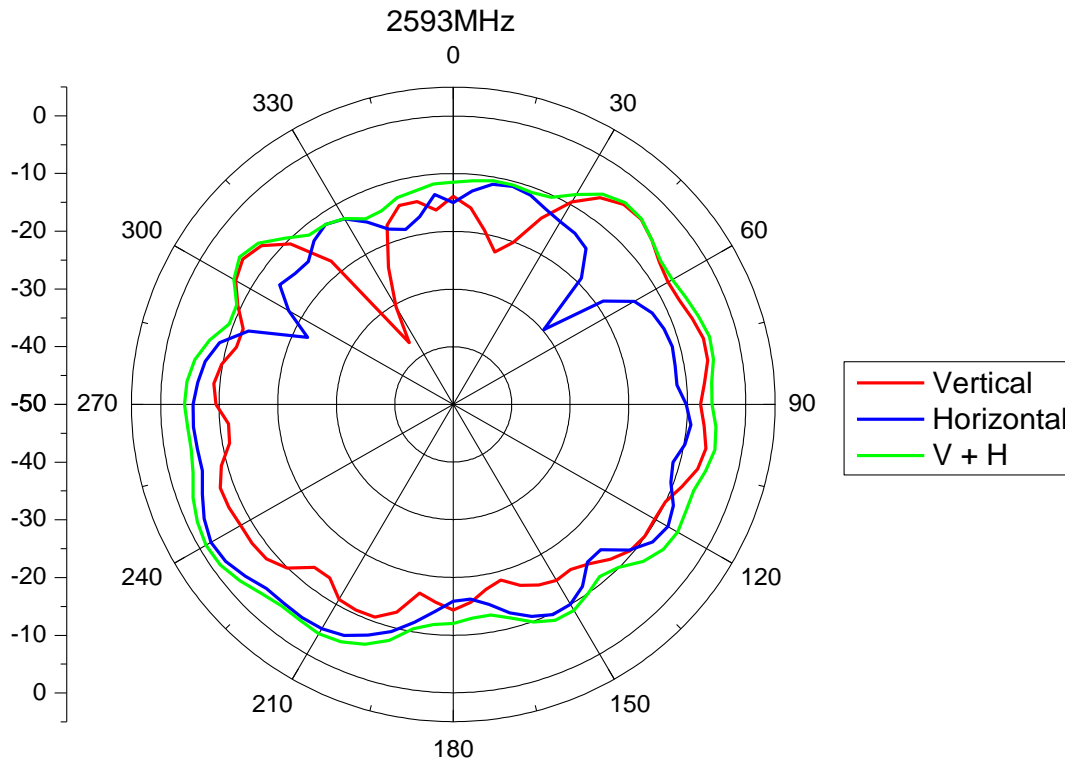
Center Frequency	<b>2685 MHz</b>
Horizontal (dBi) peak	<b>-2.97</b>
Vertical (dBi) peak	<b>-0.61</b>

**Tx2 (or Rx2) antenna: 2501MHz (Plot is not required if 2<sup>nd</sup> Antenna is receive only e.g. Rx2 for 512 family)**



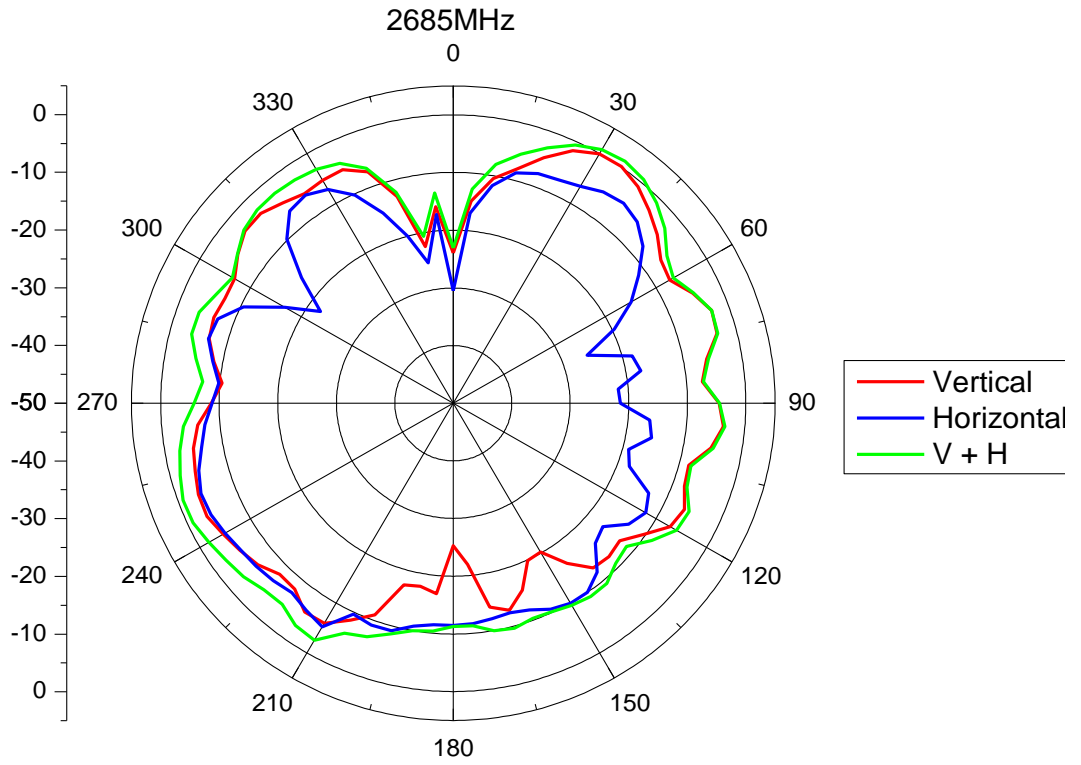
Center Frequency	<b>2501 MHz</b>
Horizontal (dBi) peak	<b>-2.91</b>
Vertical (dBi) peak	<b>-1.47</b>

**Tx2 (or Rx2) antenna: 2593MHz (Plot is not required if 2<sup>nd</sup> Antenna is receive only e.g. Rx2 for 512 family)**



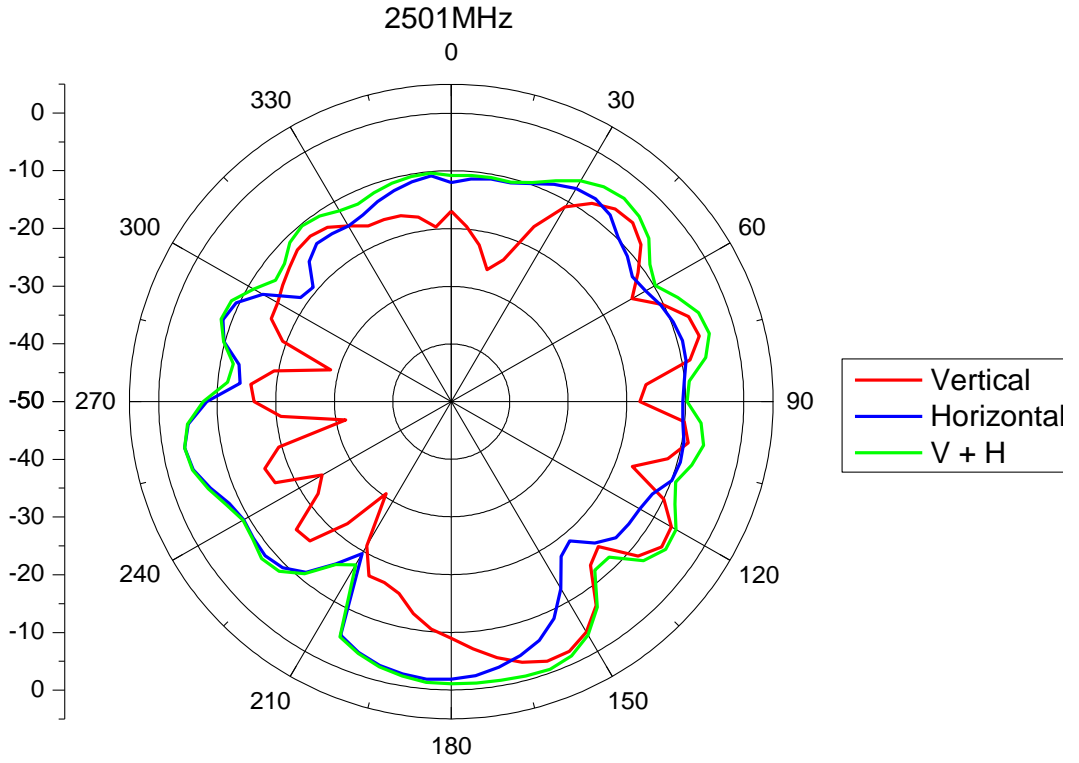
Center Frequency	<b>2593 MHz</b>
Horizontal (dBi) peak	<b>-2.22</b>
Vertical (dBi) peak	<b>-4.66</b>

**Tx2 (or Rx2) antenna: 2685 MHz (Plot is not required if 2<sup>nd</sup> Antenna is receive only e.g. Rx2 for 512 family)**



Center Frequency	<b>2685 MHz</b>
Horizontal (dBi) peak	<b>-4.18</b>
Vertical (dBi) peak	<b>0.05</b>

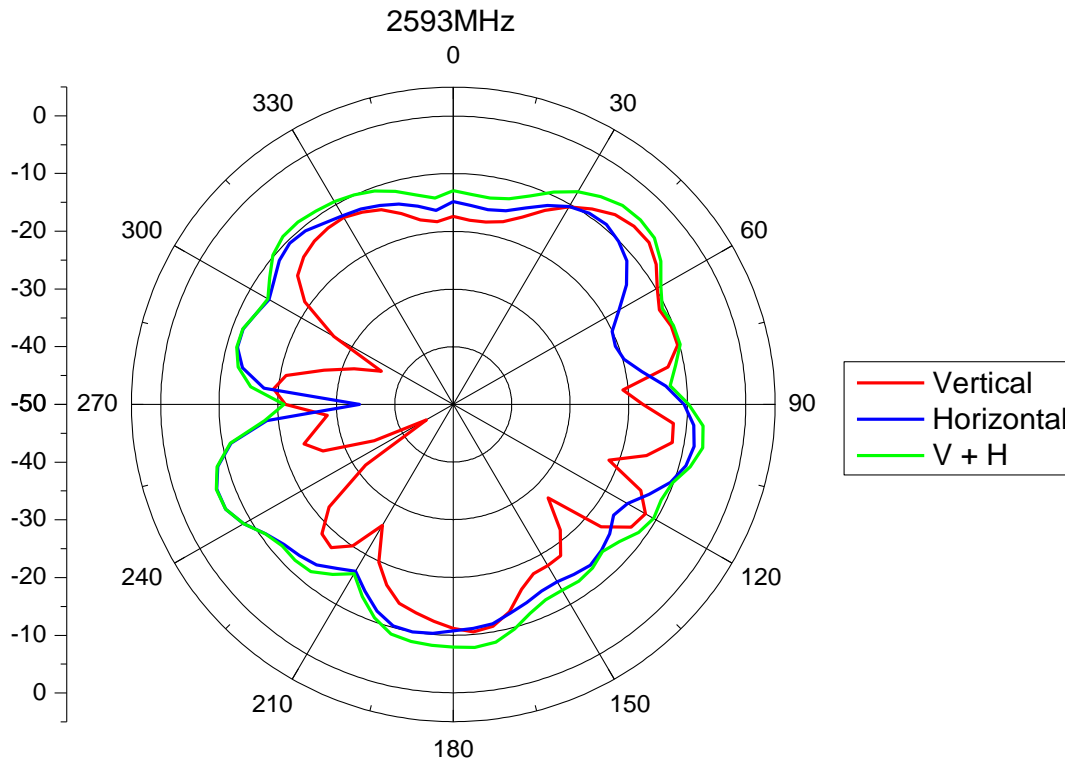
**Tx3 (or Rx3) antenna: 2501 MHz (Plot is not required if 3<sup>rd</sup> Antenna is receive only e.g. Rx3 for 4965AGN)**



Center Frequency	<b>2501 MHz</b>
Horizontal (dBi) peak	<b>-1.74</b>
Vertical (dBi) peak	<b>-2.14</b>

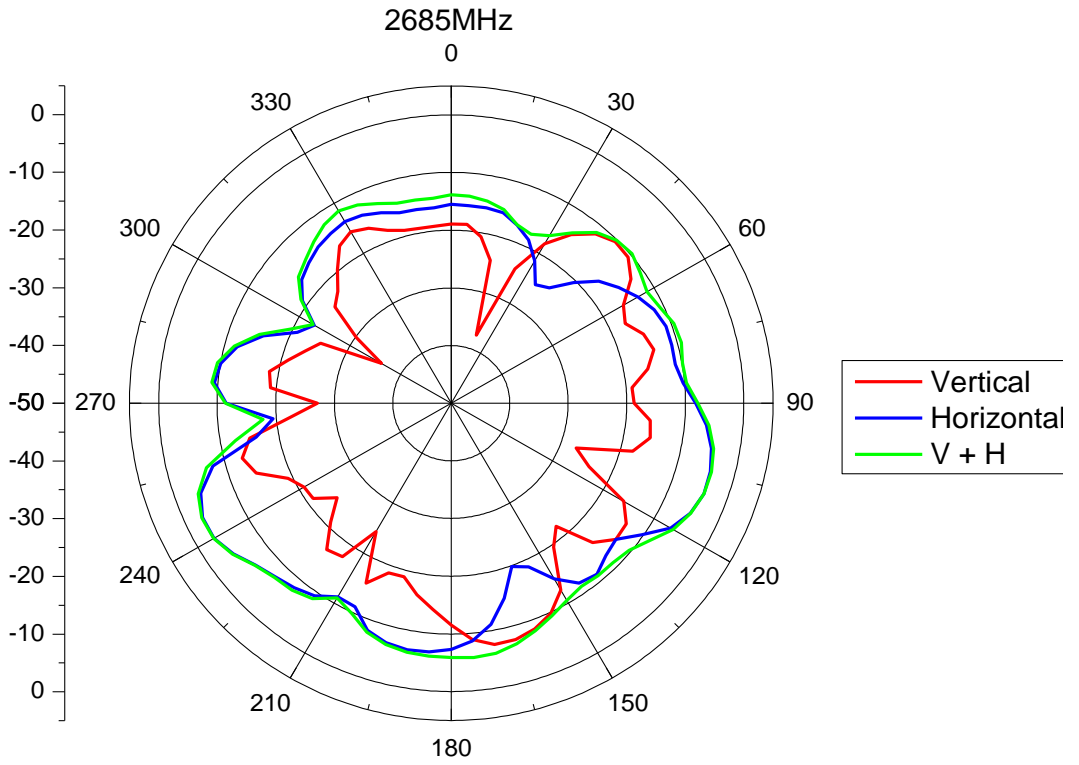


**Tx3 (or Rx3) antenna: 2593MHz (Plot is not required if 3<sup>rd</sup> Antenna is receive only e.g. Rx3 for 4965AGN)**



Center Frequency	<b>2593 MHz</b>
Horizontal (dBi) peak	<b>-7.03</b>
Vertical (dBi) peak	<b>-6.34</b>

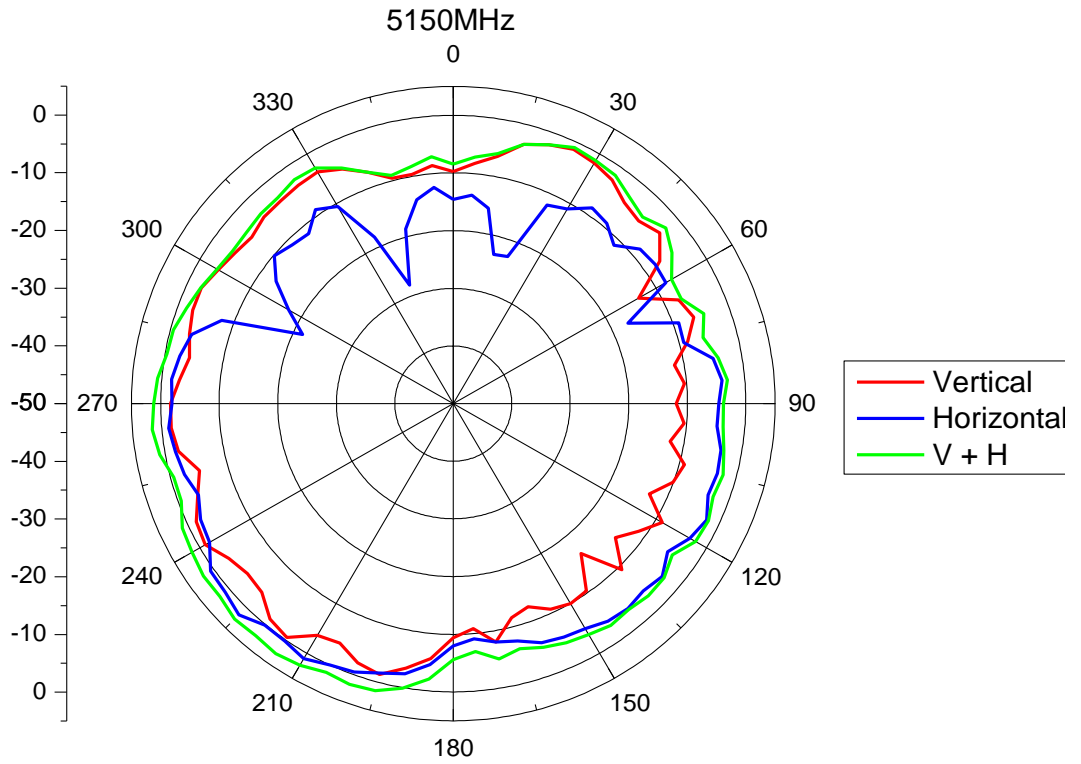
**Tx3 (or Rx3) antenna: 2685 MHz (Plot is not required if 3<sup>rd</sup> Antenna is receive only e.g. Rx3 for 4965AGN)**



Center Frequency	<b>2685 MHz</b>
Horizontal (dBi) peak	<b>-3.14</b>
Vertical (dBi) peak	<b>-7.58</b>

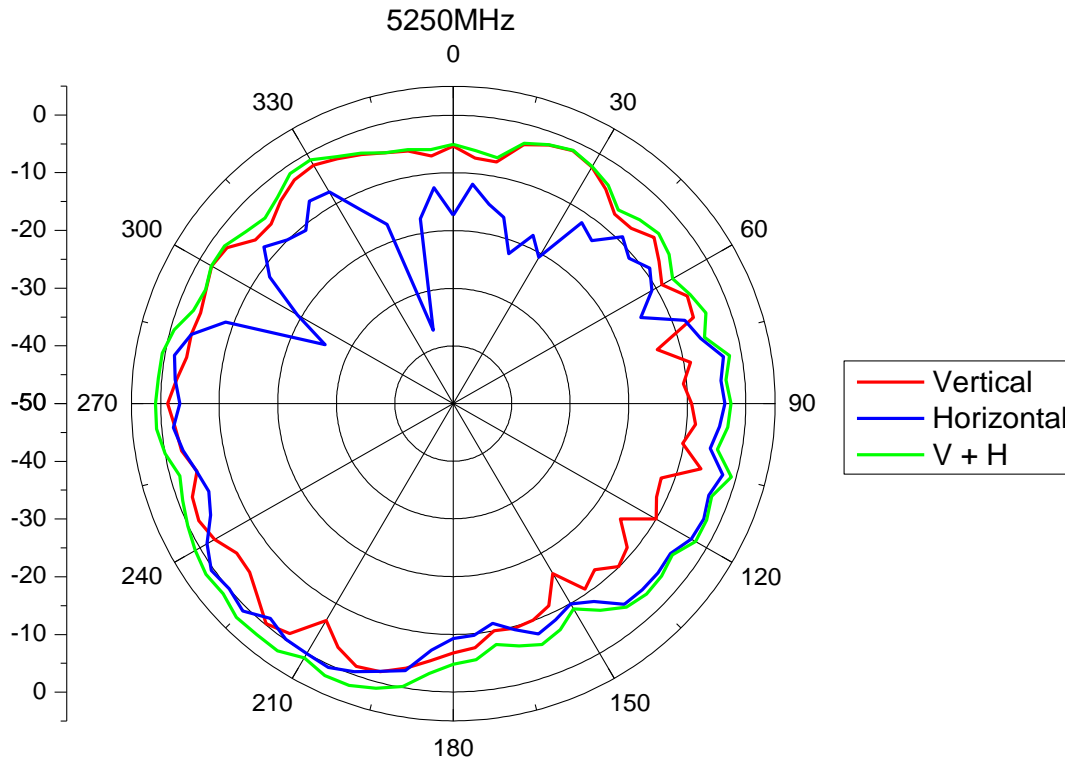
**5150-5350 MHz radiation characteristic**

**Tx1 antenna: 5150 MHz**



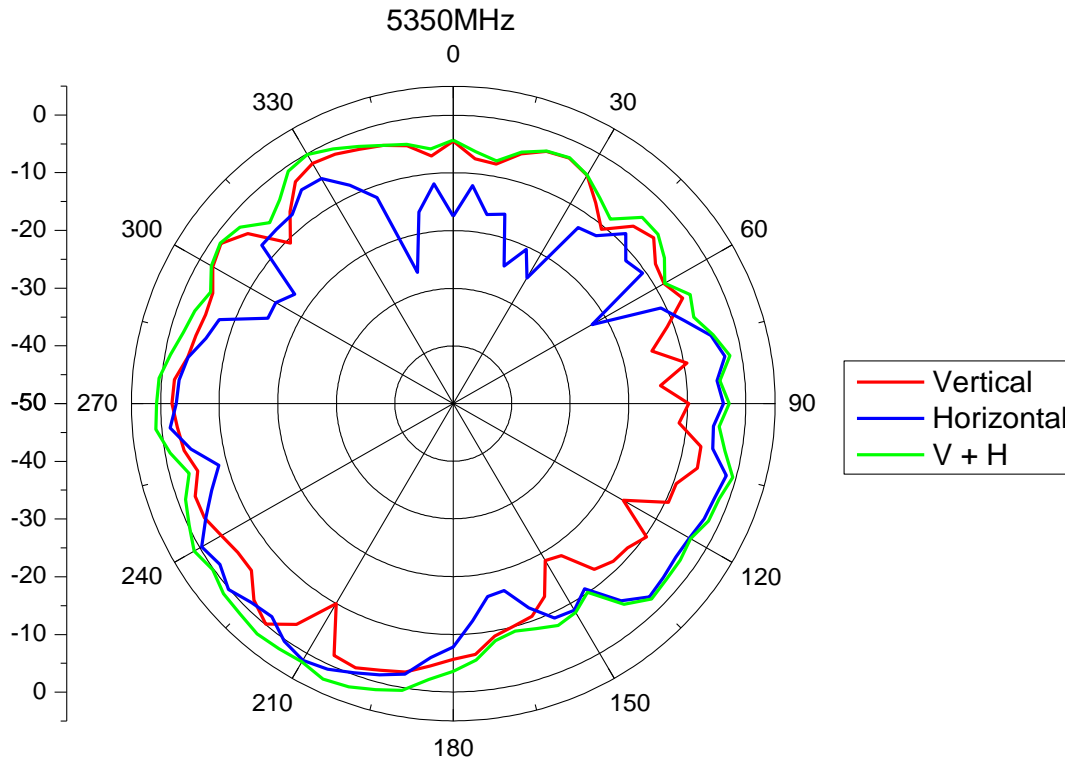
Center Frequency	<b>5150 MHz</b>
Horizontal (dBi) peak	<b>1.78</b>
Vertical (dBi) peak	<b>0.83</b>

**Tx1 antenna: 5250 MHz**



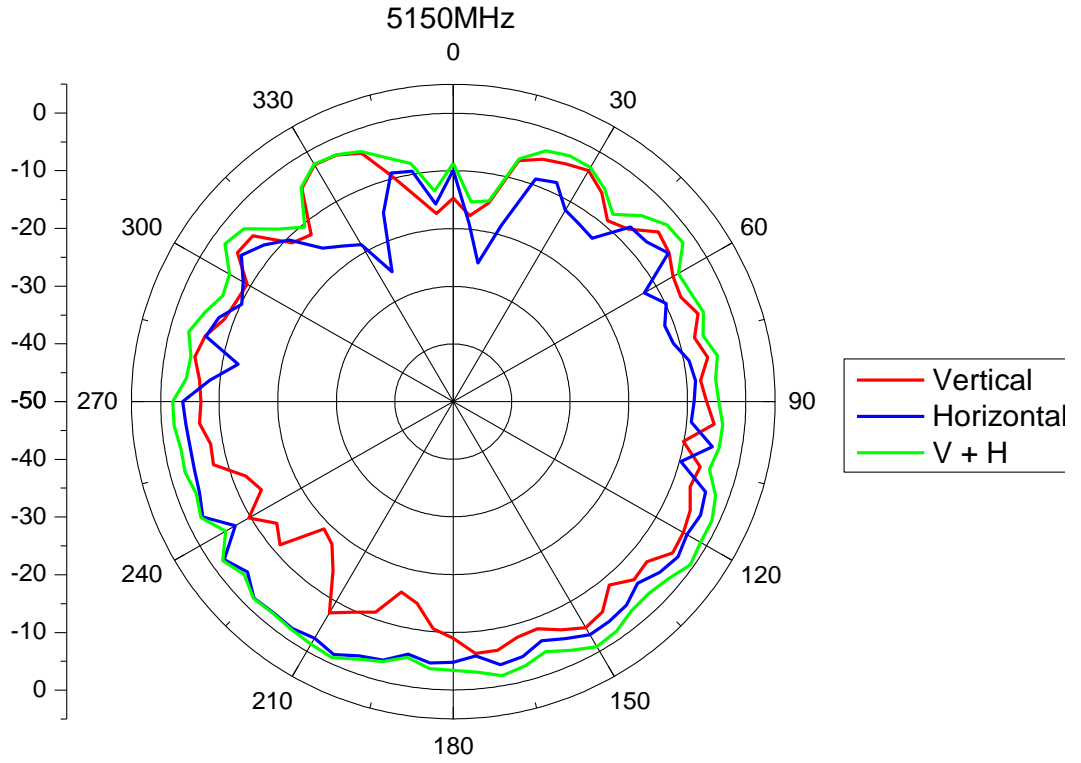
Center Frequency	<b>5250 MHz</b>
Horizontal (dBi) peak	<b>0.62</b>
Vertical (dBi) peak	<b>-0.23</b>

**Tx1 antenna: 5350 MHz**



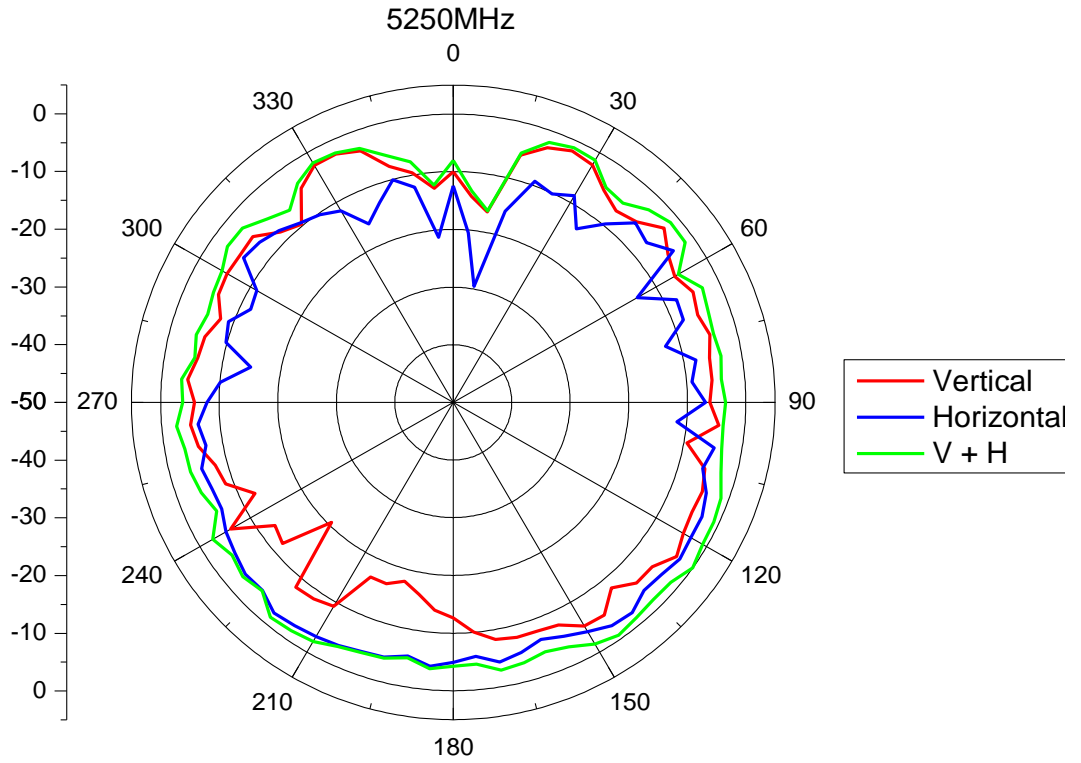
Center Frequency	<b>5350 MHz</b>
Horizontal (dBi) peak	<b>1.40</b>
Vertical (dBi) peak	<b>-0.44</b>

**Tx2 (or Rx2) antenna: 5150 MHz (Plot is not required if 2<sup>nd</sup> Antenna is receive only e.g. Rx2 for 512 family)**



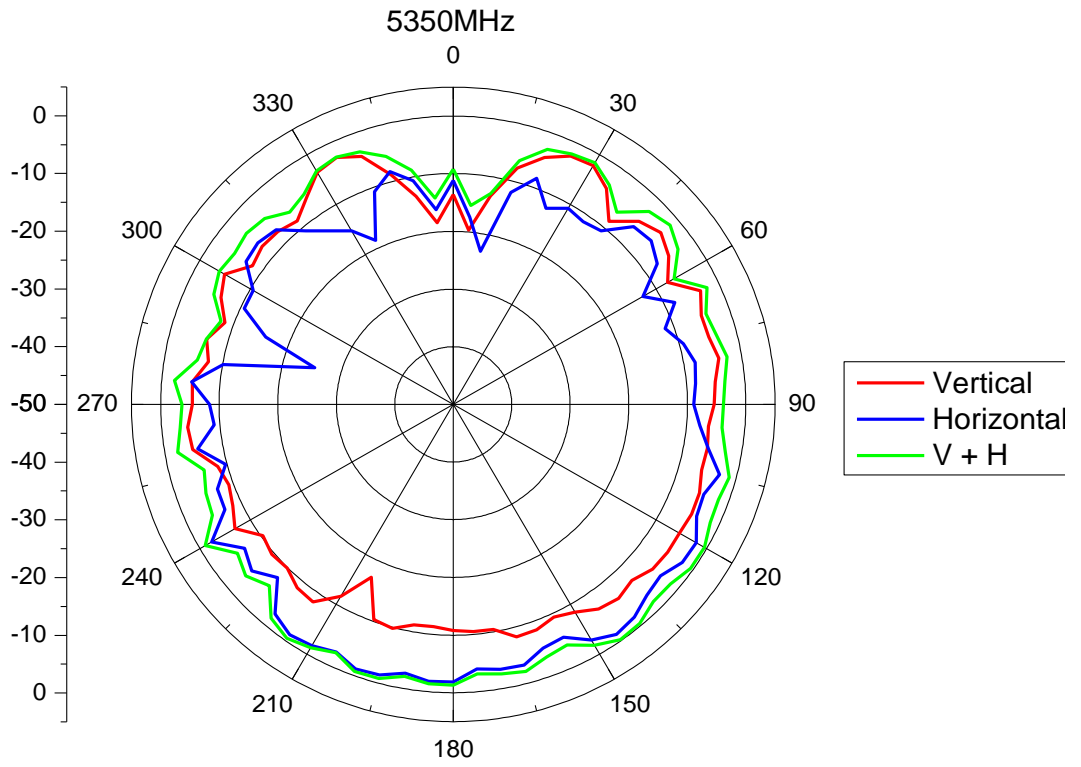
Center Frequency	<b>5150 MHz</b>
Horizontal (dBi) peak	<b>-1.66</b>
Vertical (dBi) peak	<b>-2.62</b>

**Tx2 (or Rx2) antenna: 5250 MHz (Plot is not required if 2<sup>nd</sup> Antenna is receive only e.g. Rx2 for 512 family)**



Center Frequency	<b>5250 MHz</b>
Horizontal (dBi) peak	<b>-2.41</b>
Vertical (dBi) peak	<b>-1.94</b>

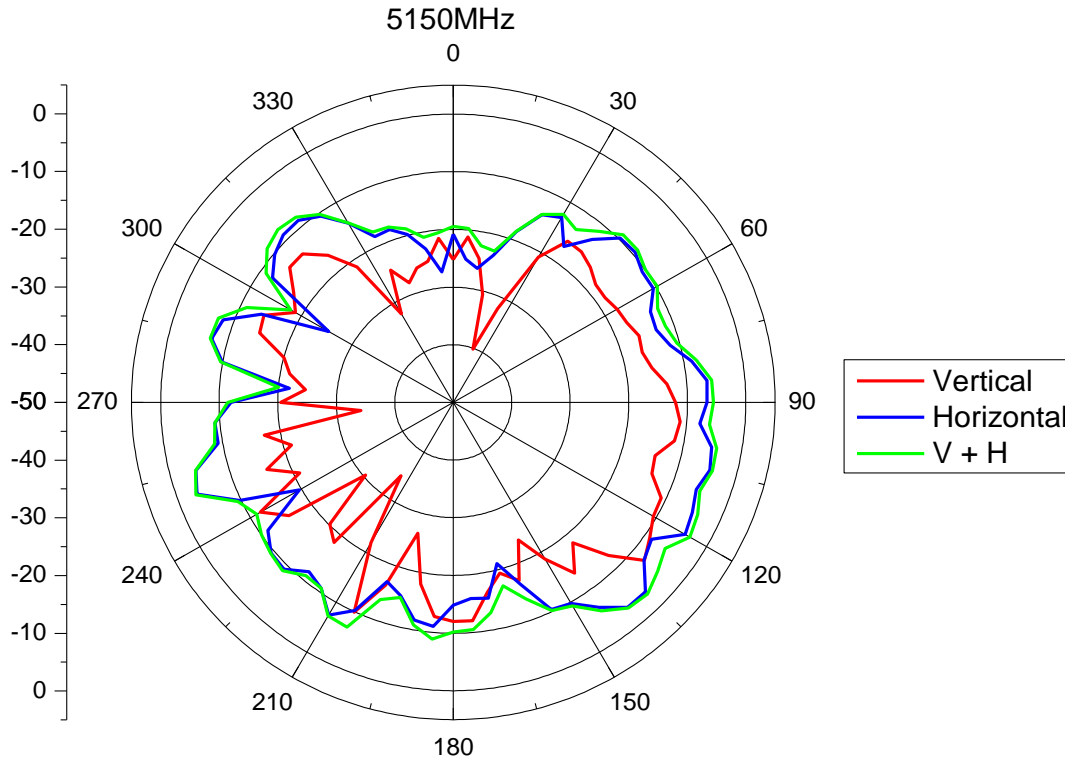
**Tx2 (or Rx2) antenna: 5350 MHz (Plot is not required if 2<sup>nd</sup> Antenna is receive only e.g. Rx2 for 512 family)**



Center Frequency	<b>5350 MHz</b>
Horizontal (dBi) peak	<b>-1.25</b>
Vertical (dBi) peak	<b>-2.21</b>

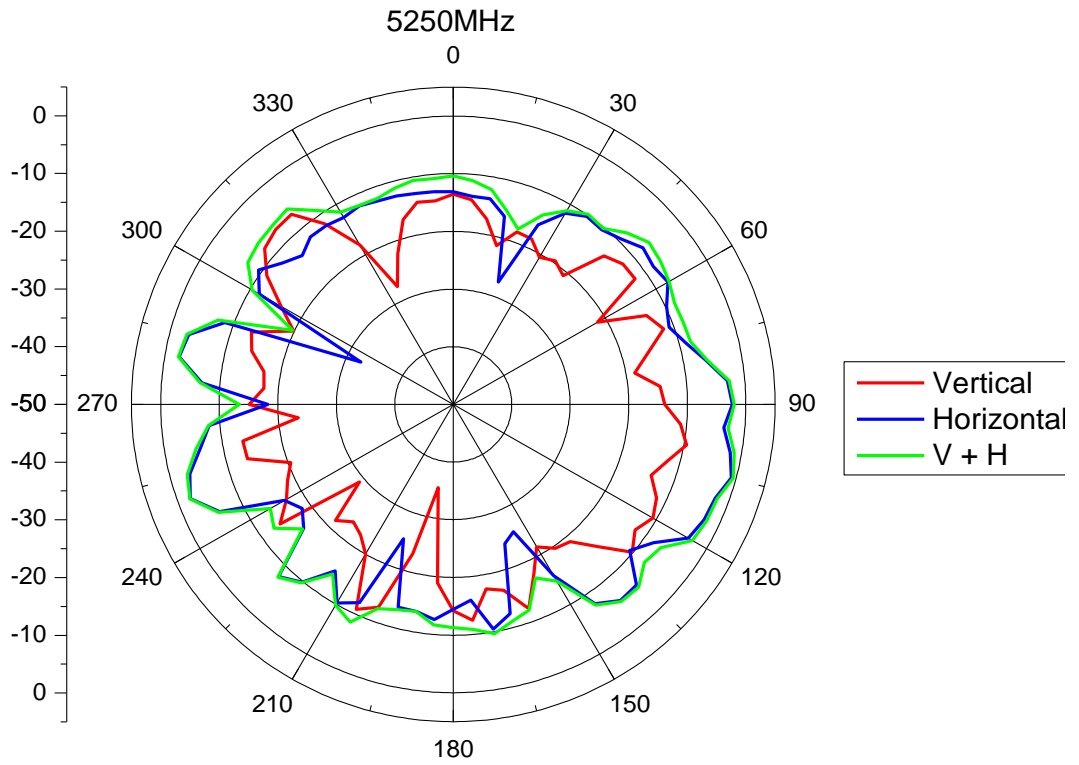


**Tx3 (or Rx3) antenna: 5150 MHz (Plot is not required if 3<sup>rd</sup> Antenna is receive only e.g. Rx3 for 4965AGN)**



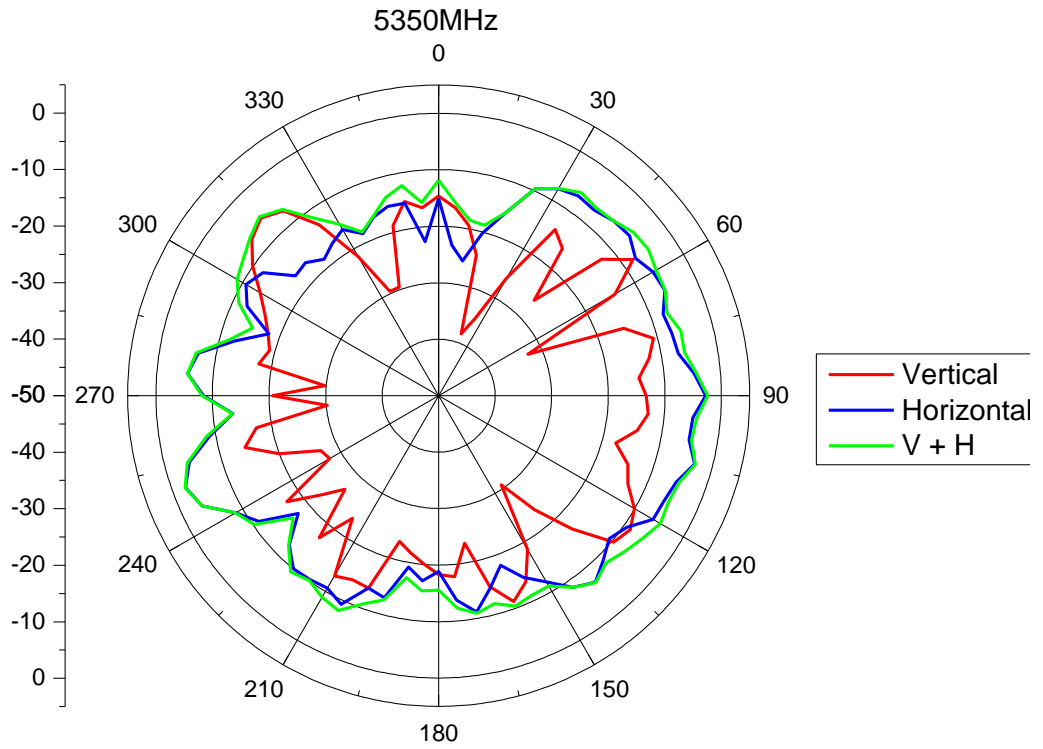
Center Frequency	<b>5150 MHz</b>
Horizontal (dBi) peak	<b>-3.46</b>
Vertical (dBi) peak	<b>-7.38</b>

**Tx3 (or Rx3) antenna: 5250 MHz (Plot is not required if 3<sup>rd</sup> Antenna is receive only e.g. Rx3 for 4965AGN)**



Center Frequency	<b>5250 MHz</b>
Horizontal (dBi) peak	<b>-0.86</b>
Vertical (dBi) peak	<b>-7.01</b>

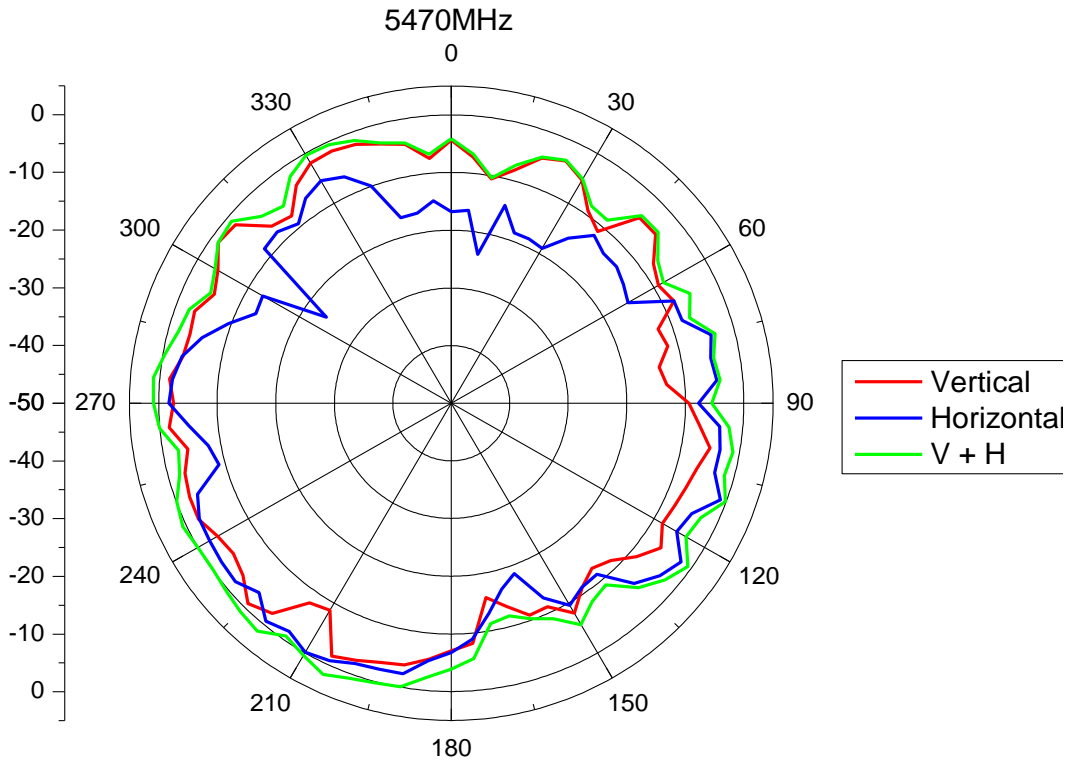
**Tx3 (or Rx3) antenna: 5350 MHz (Plot is not required if 3<sup>rd</sup> Antenna is receive only e.g. Rx3 for 4965AGN)**



Center Frequency	<b>5350 MHz</b>
Horizontal (dBi) peak	<b>-2.41</b>
Vertical (dBi) peak	<b>-5.58</b>

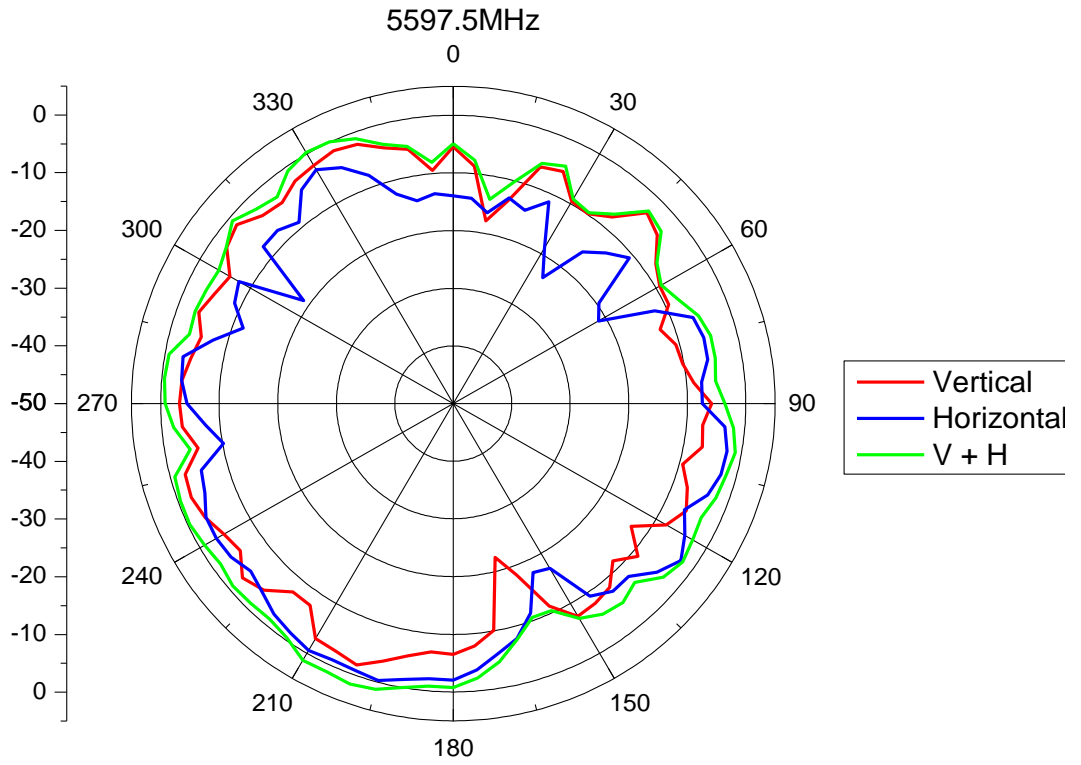
**5470-5725MHz radiation characteristic**

**Tx1 antenna: 5470 MHz**



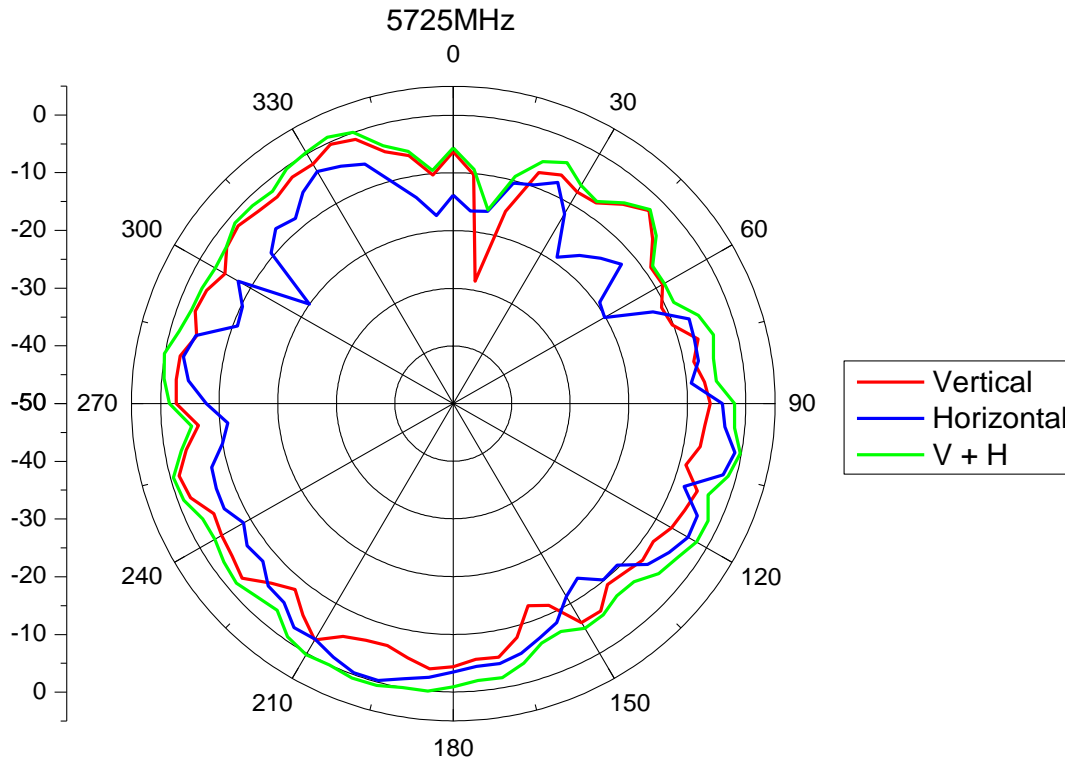
Center Frequency	<b>5470 MHz</b>
Horizontal (dBi) peak	<b>-0.12</b>
Vertical (dBi) peak	<b>-0.93</b>

**Tx1 antenna: 5597.5 MHz**

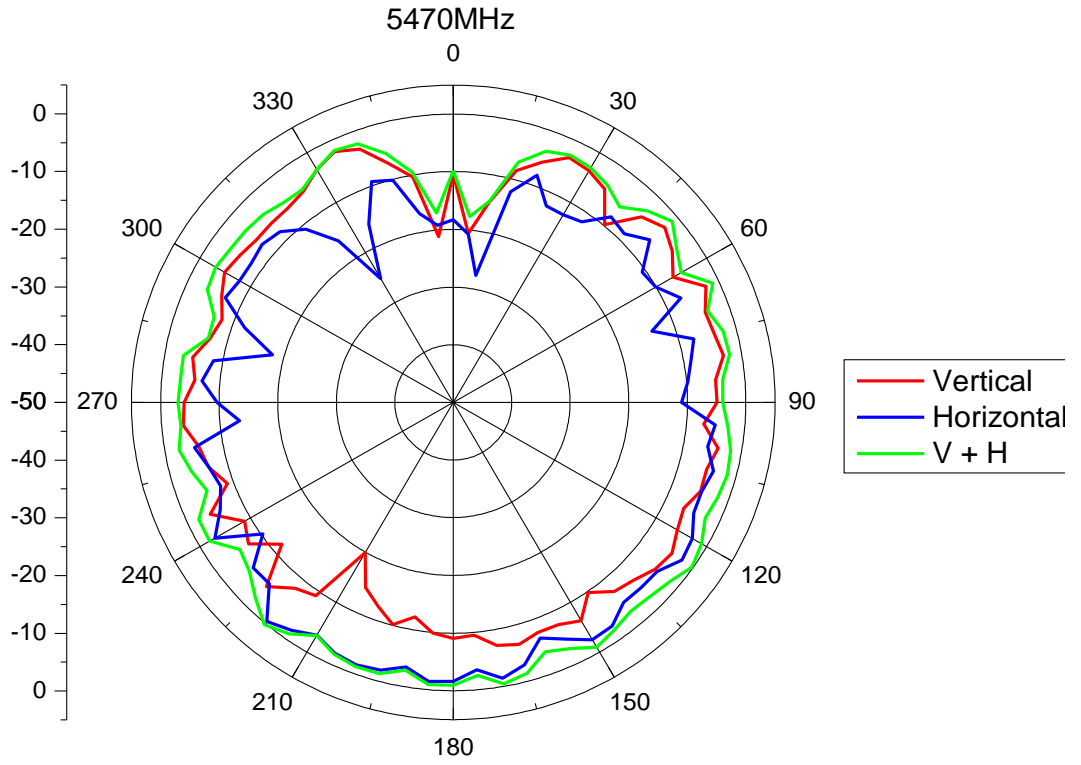


Center Frequency	<b>5597.5 MHz</b>
Horizontal (dBi) peak	<b>-0.35</b>
Vertical (dBi) peak	<b>-1.65</b>

**Tx1 antenna: 5725 MHz**

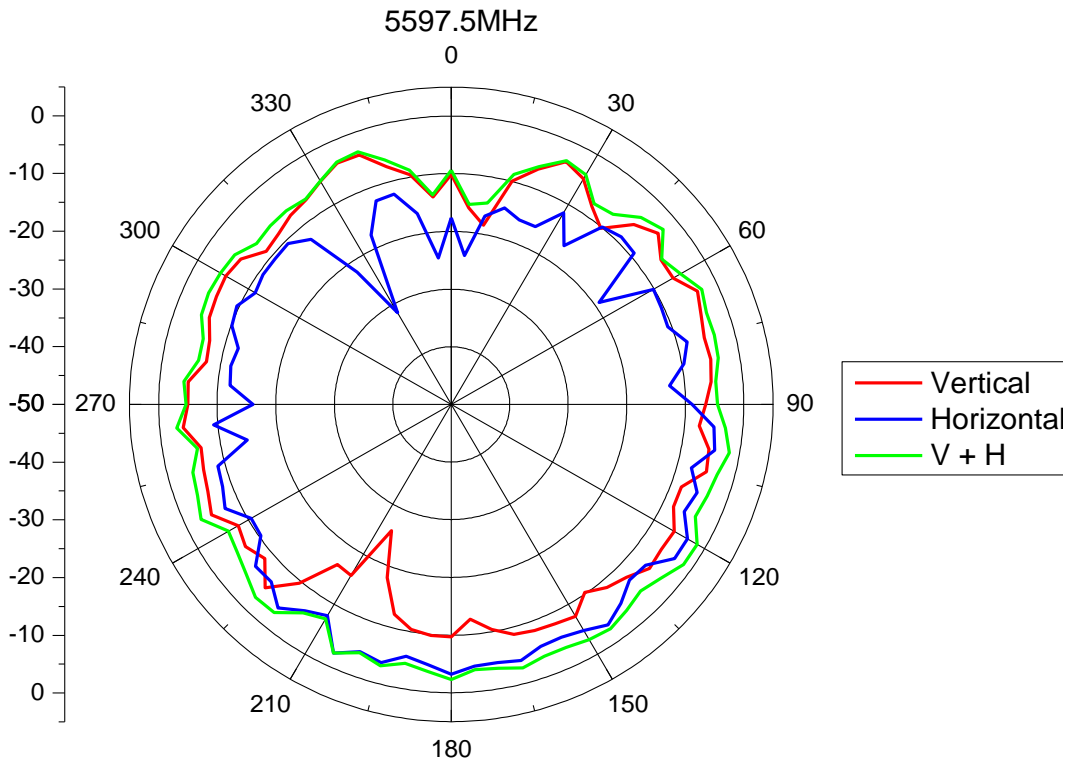


**Tx2 (or Rx2) antenna: 5470 MHz (Plot is not required if 2<sup>nd</sup> Antenna is receive only e.g. Rx2 for 512 family)**



Center Frequency	<b>5470 MHz</b>
Horizontal (dBi) peak	<b>-0.47</b>
Vertical (dBi) peak	<b>-2.03</b>

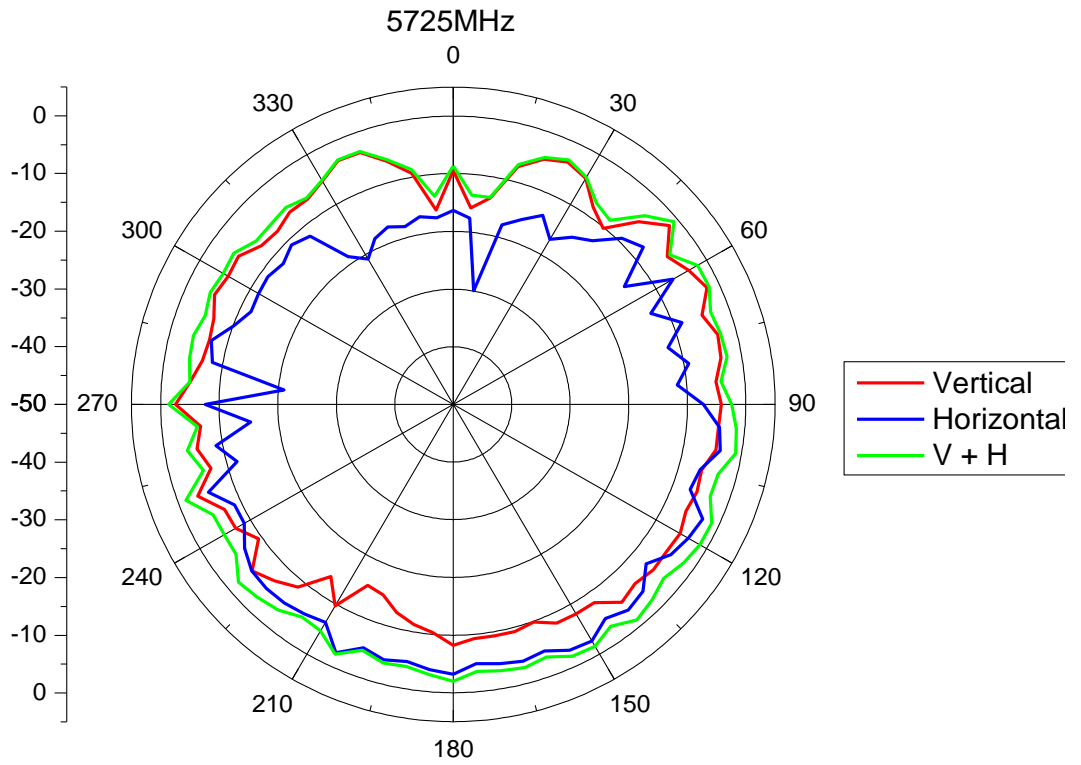
**Tx2 (or Rx2) antenna: 5597.5 MHz (Plot is not required if 2<sup>nd</sup> Antenna is receive only e.g. Rx2 for 512 family)**



Center Frequency	<b>5597.5 MHz</b>
Horizontal (dBi) peak	<b>-2.46</b>
Vertical (dBi) peak	<b>-3.60</b>

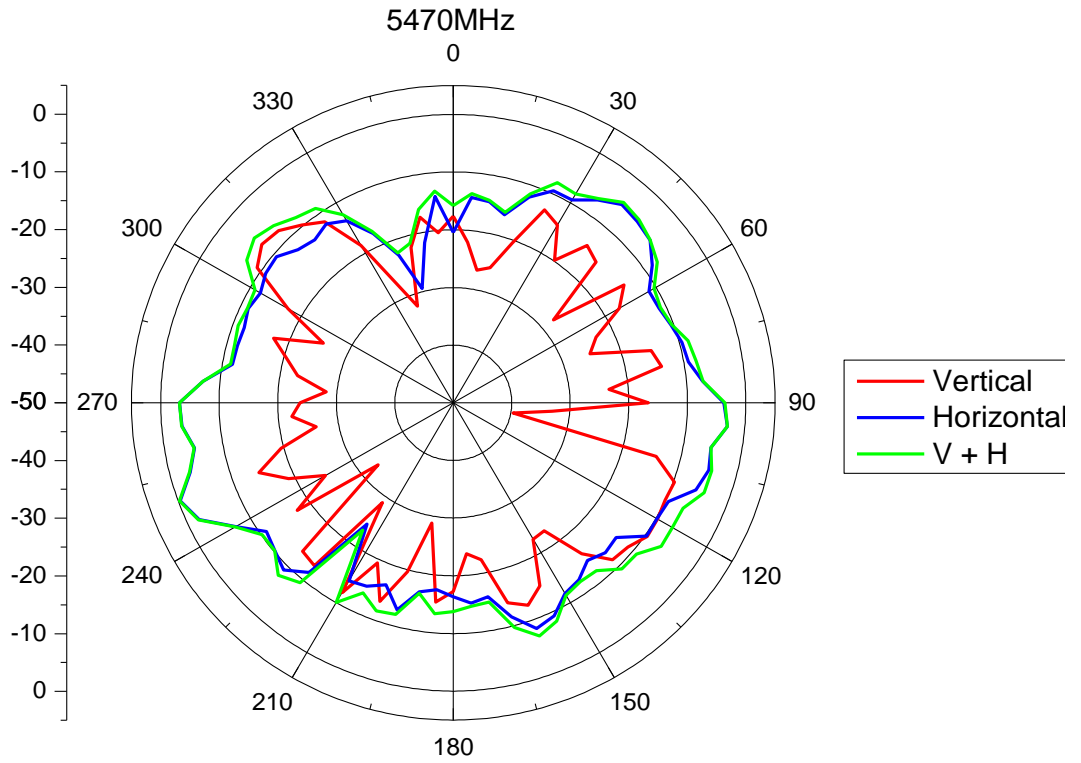


**Tx2 (or Rx2) antenna: 5725 MHz (Plot is not required if 2<sup>nd</sup> Antenna is receive only e.g. Rx2 for 512 family)**



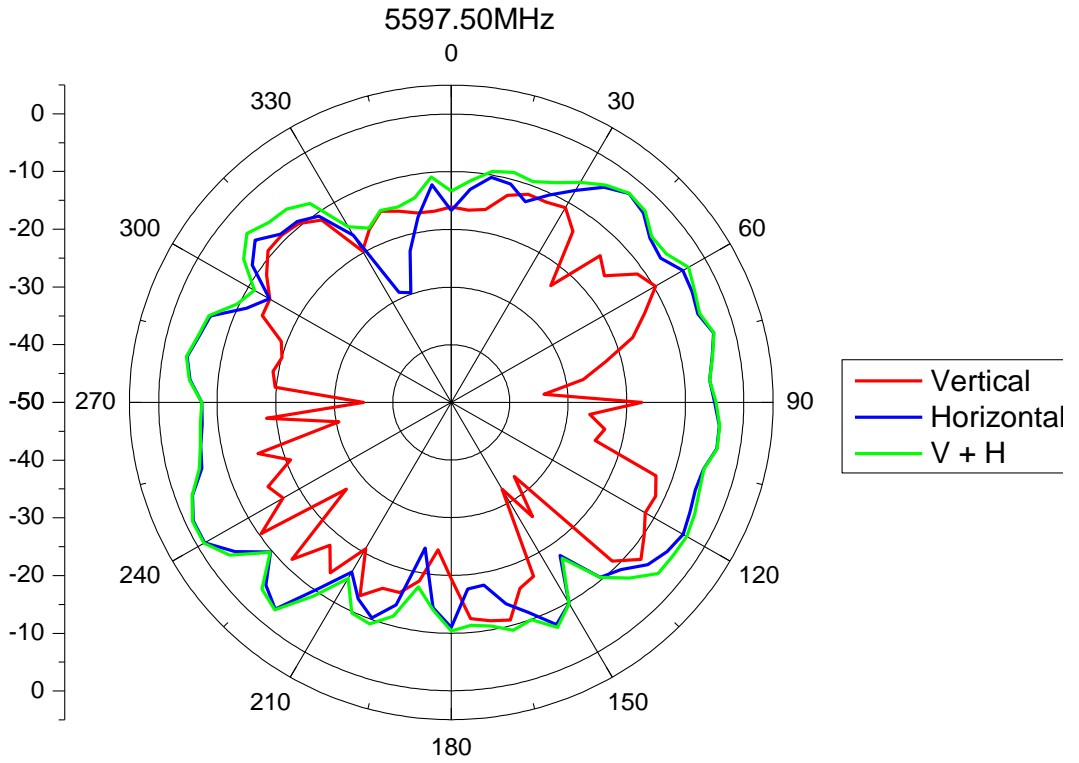
Center Frequency	<b>5725 MHz</b>
Horizontal (dBi) peak	<b>-2.50</b>
Vertical (dBi) peak	<b>-1.78</b>

**Tx3 (or Rx3): 5470 MHz (Plot is not required if 3<sup>rd</sup> Antenna is receive only e.g. Rx3 for 4965AGN)**



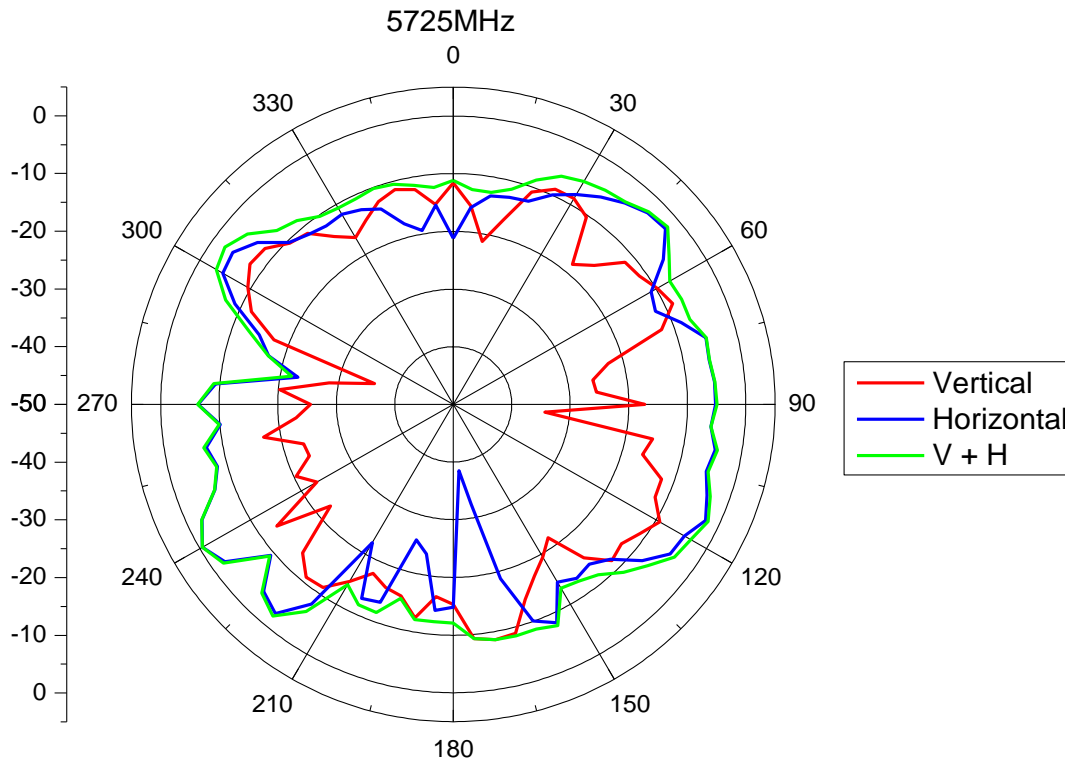
Center Frequency	<b>5470 MHz</b>
Horizontal (dBi) peak	<b>-0.40</b>
Vertical (dBi) peak	<b>-7.29</b>

**Tx3 (or Rx3) antenna: 5597.5 MHz (Plot is not required if 3<sup>rd</sup> Antenna is receive only e.g. Rx3 for 4965AGN)**



Center Frequency	<b>5597.5 MHz</b>
Horizontal (dBi) peak	<b>-1.38</b>
Vertical (dBi) peak	<b>-7.72</b>

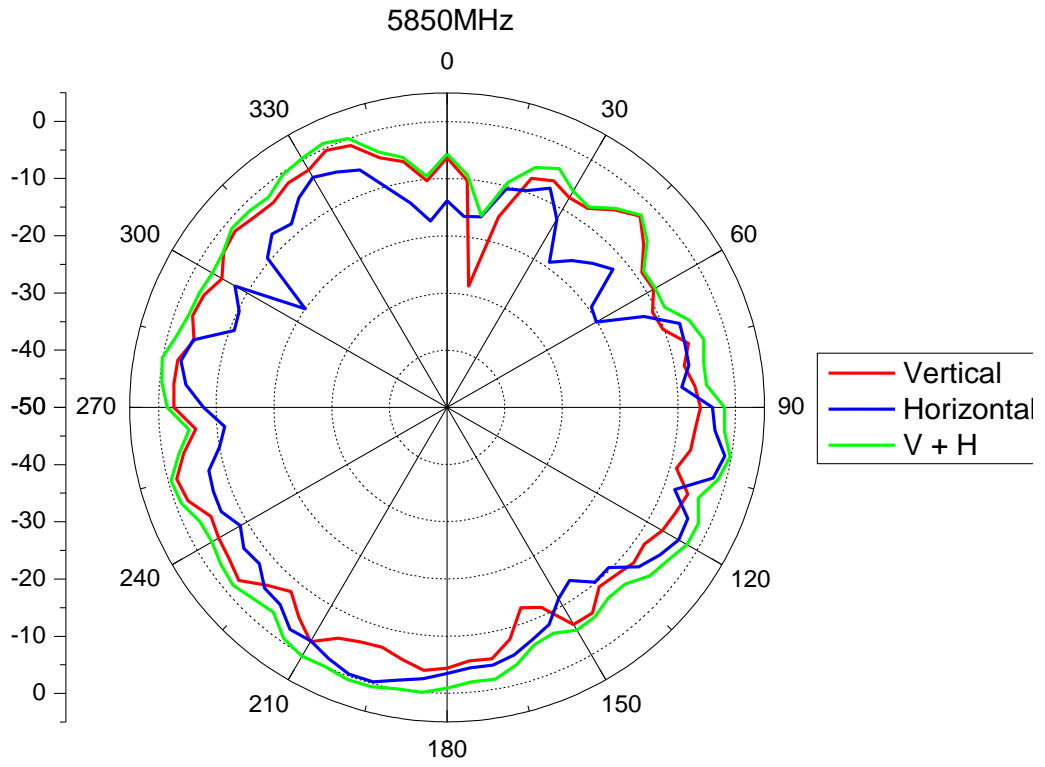
**Tx3 (or Rx3) antenna: 5725 MHz (Plot is not required if 3<sup>rd</sup> Antenna is receive only e.g. Rx3 for 4965AGN)**



Center Frequency	<b>5725 MHz</b>
Horizontal (dBi) peak	<b>-0.52</b>
Vertical (dBi) peak	<b>-7.59</b>

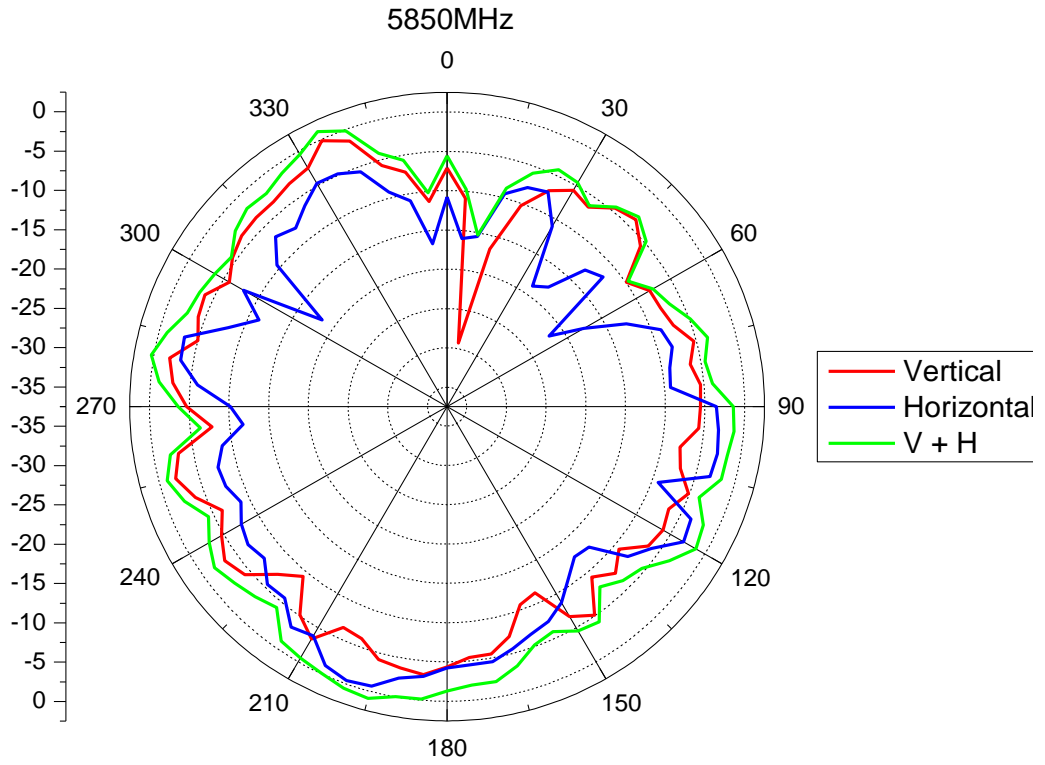
**5725-5850 MHz radiation characteristic**

**Tx1 antenna: 5725 MHz**



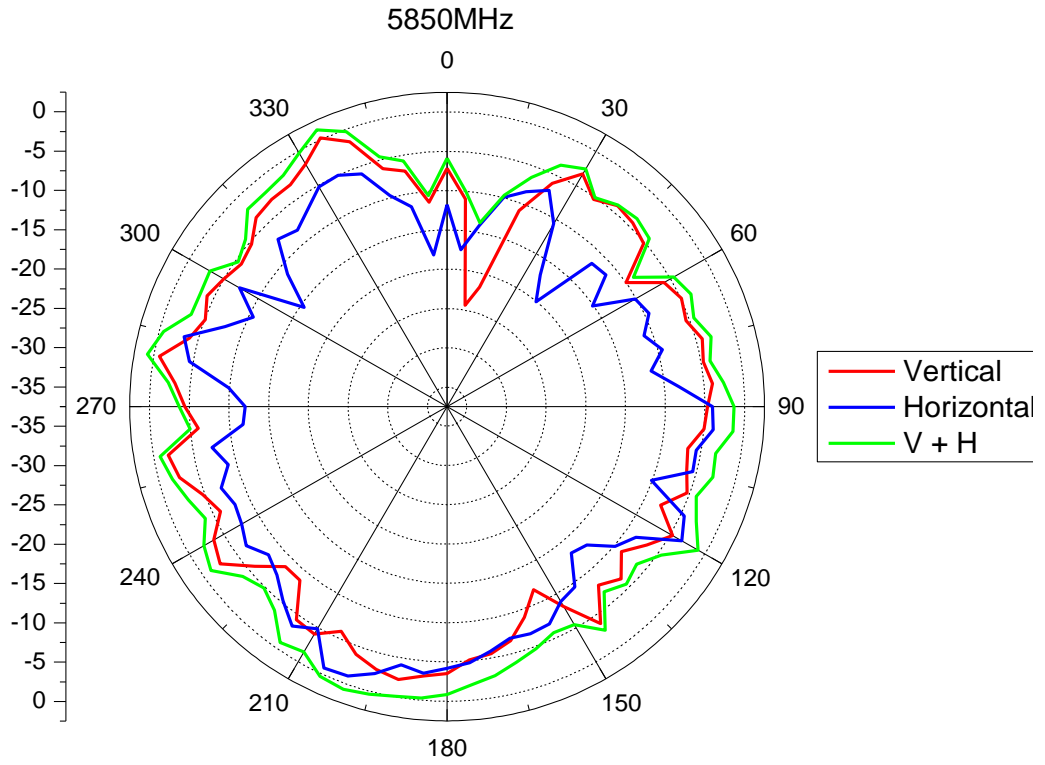
Center Frequency	<b>5725 MHz</b>
Horizontal (dBi) peak	<b>-0.12</b>
Vertical (dBi) peak	<b>-0.93</b>

**Tx1 antenna: 5785 MHz**



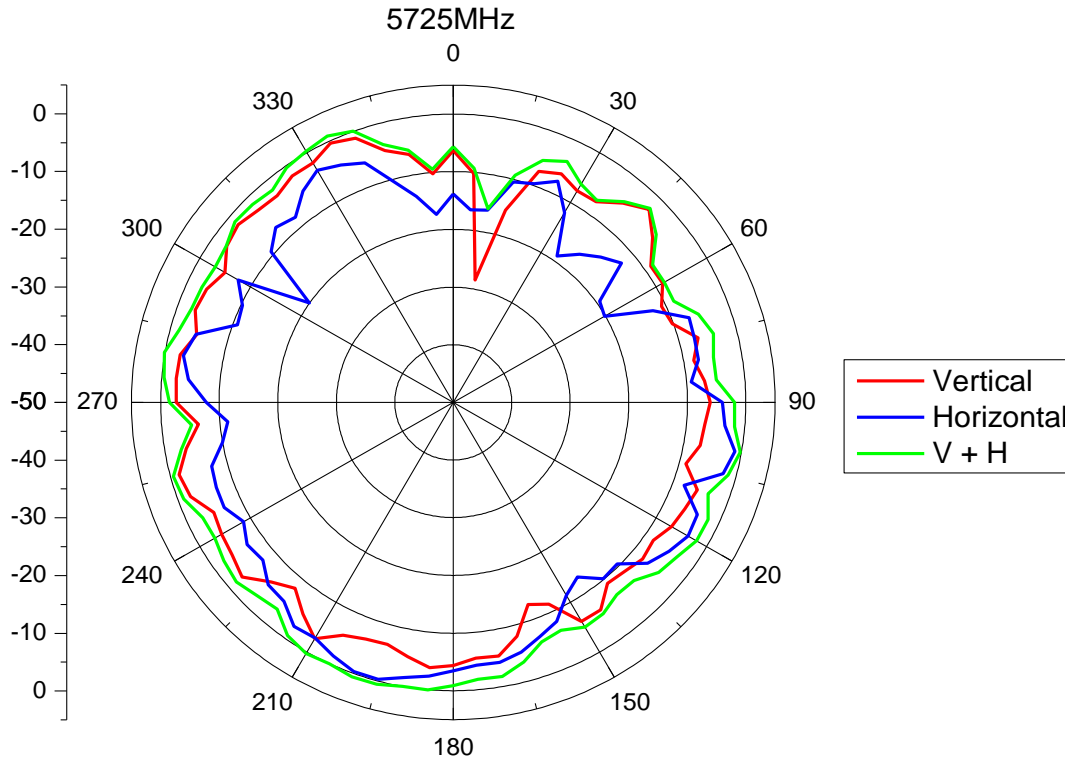
Center Frequency	<b>5785 MHz</b>
Horizontal (dBi) peak	<b>-0.47</b>
Vertical (dBi) peak	<b>-0.24</b>

**Tx1 antenna: 5850 MHz**



Center Frequency	<b>5850 MHz</b>
Horizontal (dBi) peak	<b>-0.98</b>
Vertical (dBi) peak	<b>0.24</b>

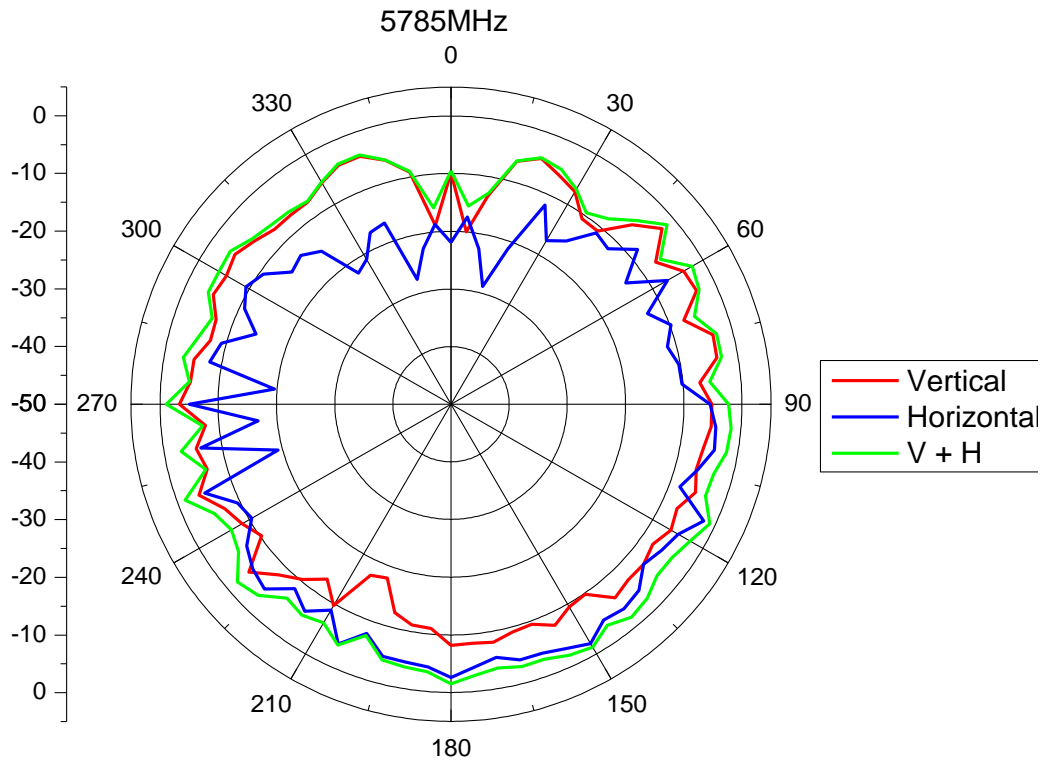
**Tx2 (or Rx2) antenna: 5725 MHz (Plot is not required if 2<sup>nd</sup> Antenna is receive only e.g. Rx2 for 512 family)**



Center Frequency	<b>5725 MHz</b>
Horizontal (dBi) peak	<b>-2.50</b>
Vertical (dBi) peak	<b>-1.78</b>

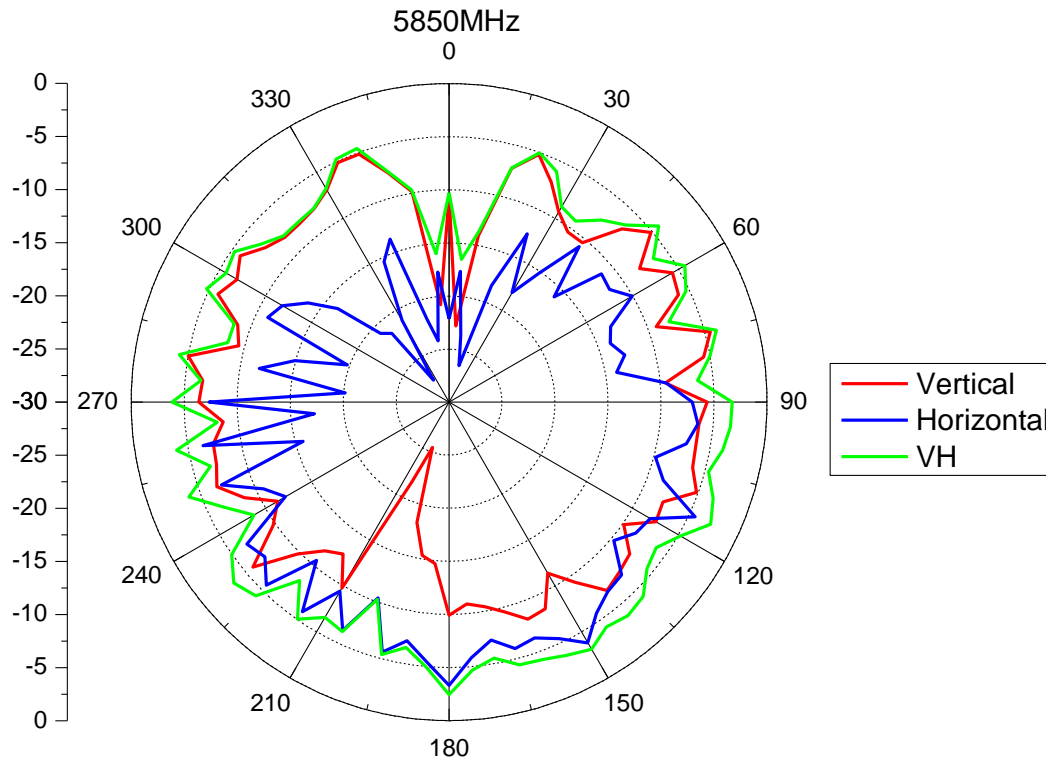


**Tx2 (or Rx2) antenna: 5785 MHz (Plot is not required if 2<sup>nd</sup> Antenna is receive only e.g. Rx2 for 512 family)**



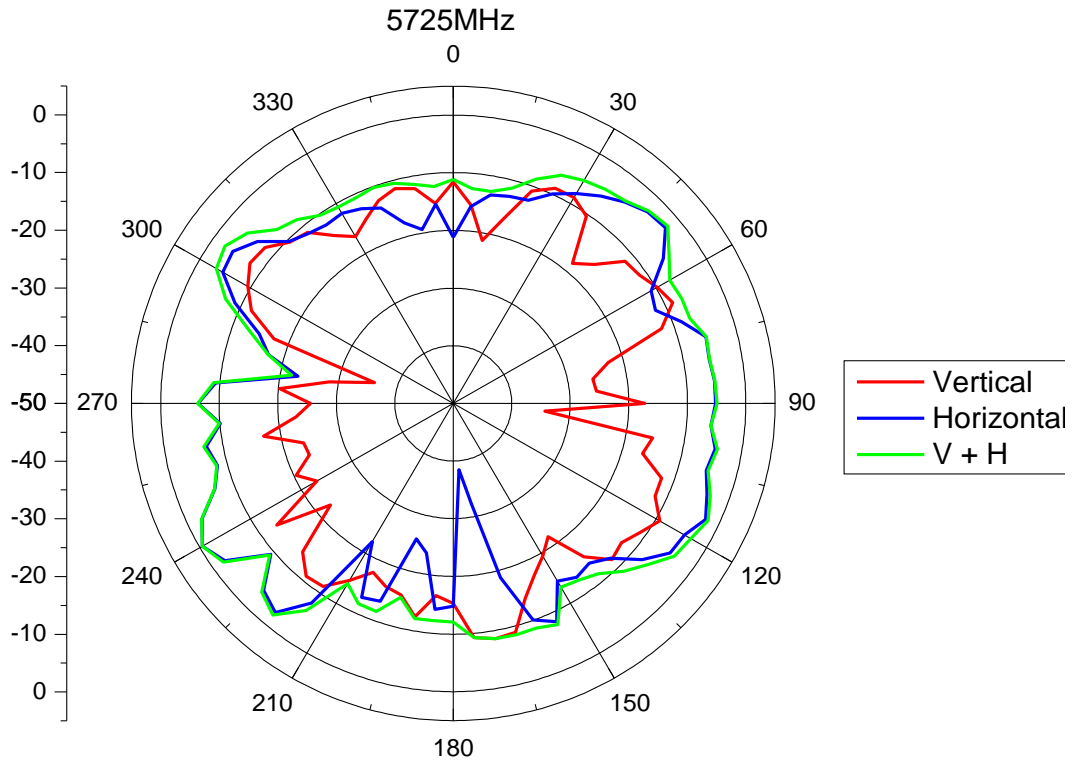
Center Frequency	<b>5785 MHz</b>
Horizontal (dBi) peak	<b>-2.10</b>
Vertical (dBi) peak	<b>-2.66</b>

**Tx2 (or Rx2) antenna: 5850 MHz (Plot is not required if 2<sup>nd</sup> Antenna is receive only e.g. Rx2 for 512 family)**



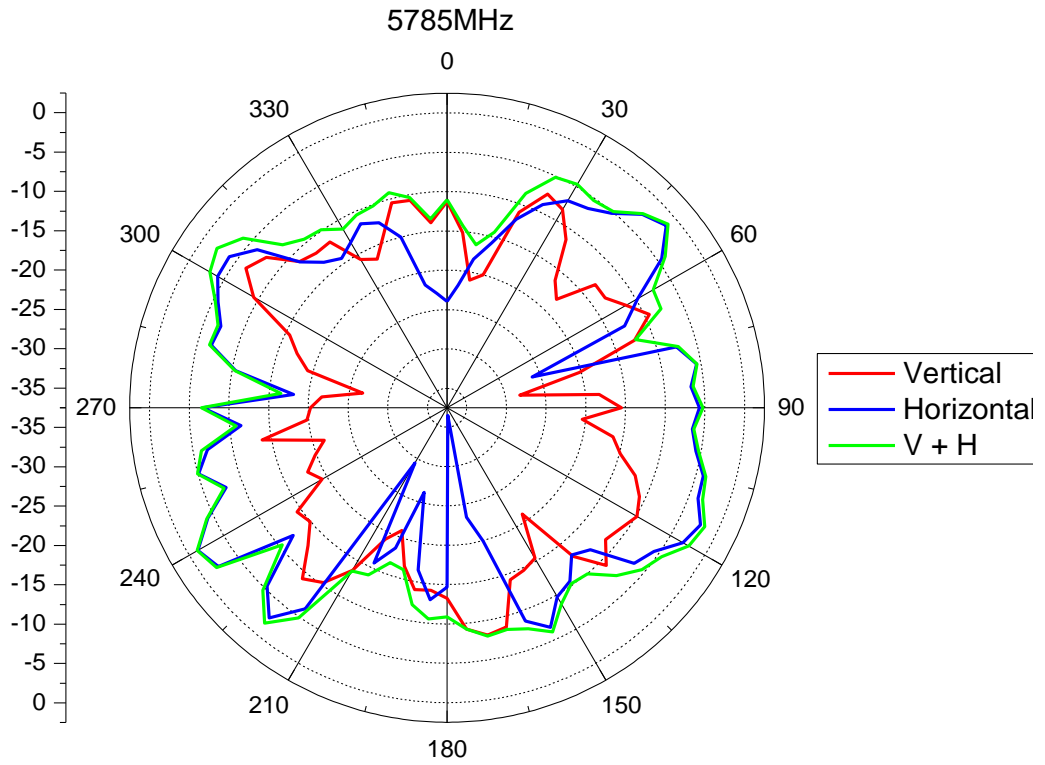
Center Frequency	<b>5850 MHz</b>
Horizontal (dBi) peak	<b>-3.34</b>
Vertical (dBi) peak	<b>-4.49</b>

**Tx3 (or Rx3) antenna: 5725 MHz (Plot is not required if 3<sup>rd</sup> Antenna is receive only e.g. Rx3 for 4965AGN)**



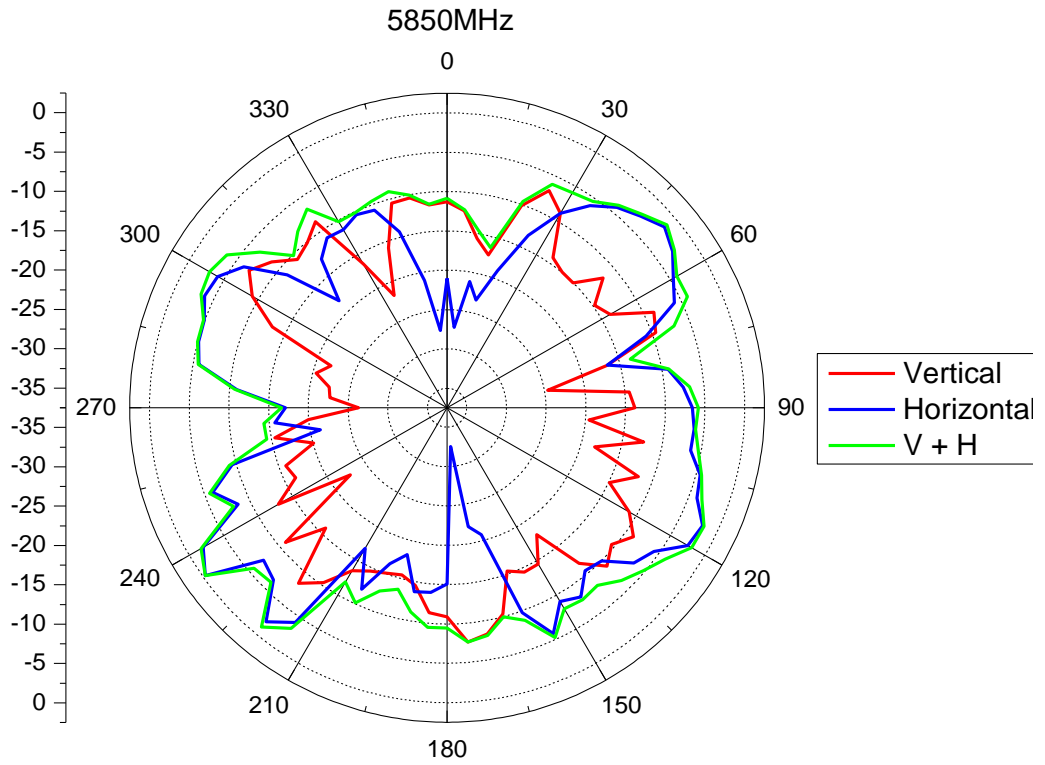
Center Frequency	<b>5725 MHz</b>
Horizontal (dBi) peak	<b>-0.52</b>
Vertical (dBi) peak	<b>-7.59</b>

**Tx3 (or Rx3) antenna: 5785 MHz (Plot is not required if 3<sup>rd</sup> Antenna is receive only e.g. Rx3 for 4965AGN)**



Center Frequency	<b>5785 MHz</b>
Horizontal (dBi) peak	<b>-1.26</b>
Vertical (dBi) peak	<b>-6.59</b>

**Tx3 (or Rx3) antenna: 5850 MHz (Plot is not required if 3<sup>rd</sup> Antenna is receive only e.g. Rx 3 for 4965AGN)**



Center Frequency	<b>5850 MHz</b>
Horizontal (dBi) peak	<b>-0.33</b>
Vertical (dBi) peak	<b>-7.06</b>

## Section 4. Host Platform Information

OEM / ODM Host platform: (XXXXXXX) platform correlated to antenna data

Rating Label Photo:

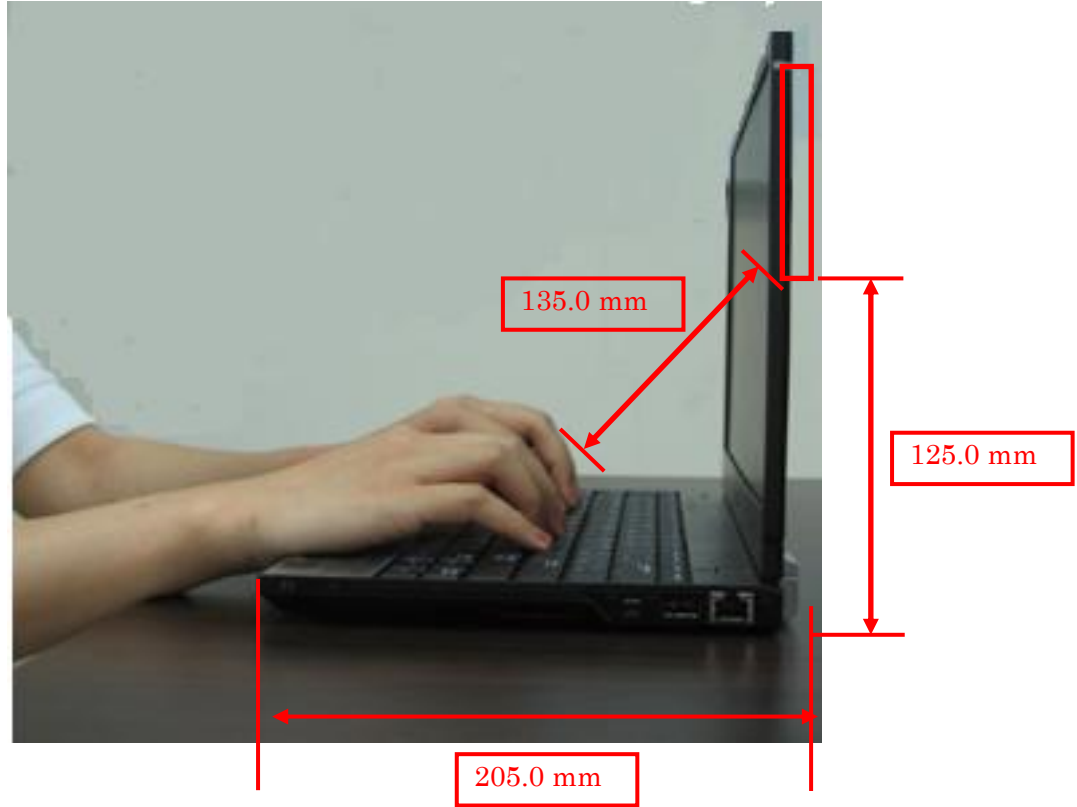
## Section 5. Antenna Host Platform Location Information

Include a **dimensioned photo or dimensioned drawing** 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.



## Section 6. Antenna dimensional information for SAR evaluation

Include a **dimensioned photo or dimensioned drawing** showing the distance (mm) between the transmit antennas and the user (excluding hands, wrist, feet, lap/ thigh, and ankle)

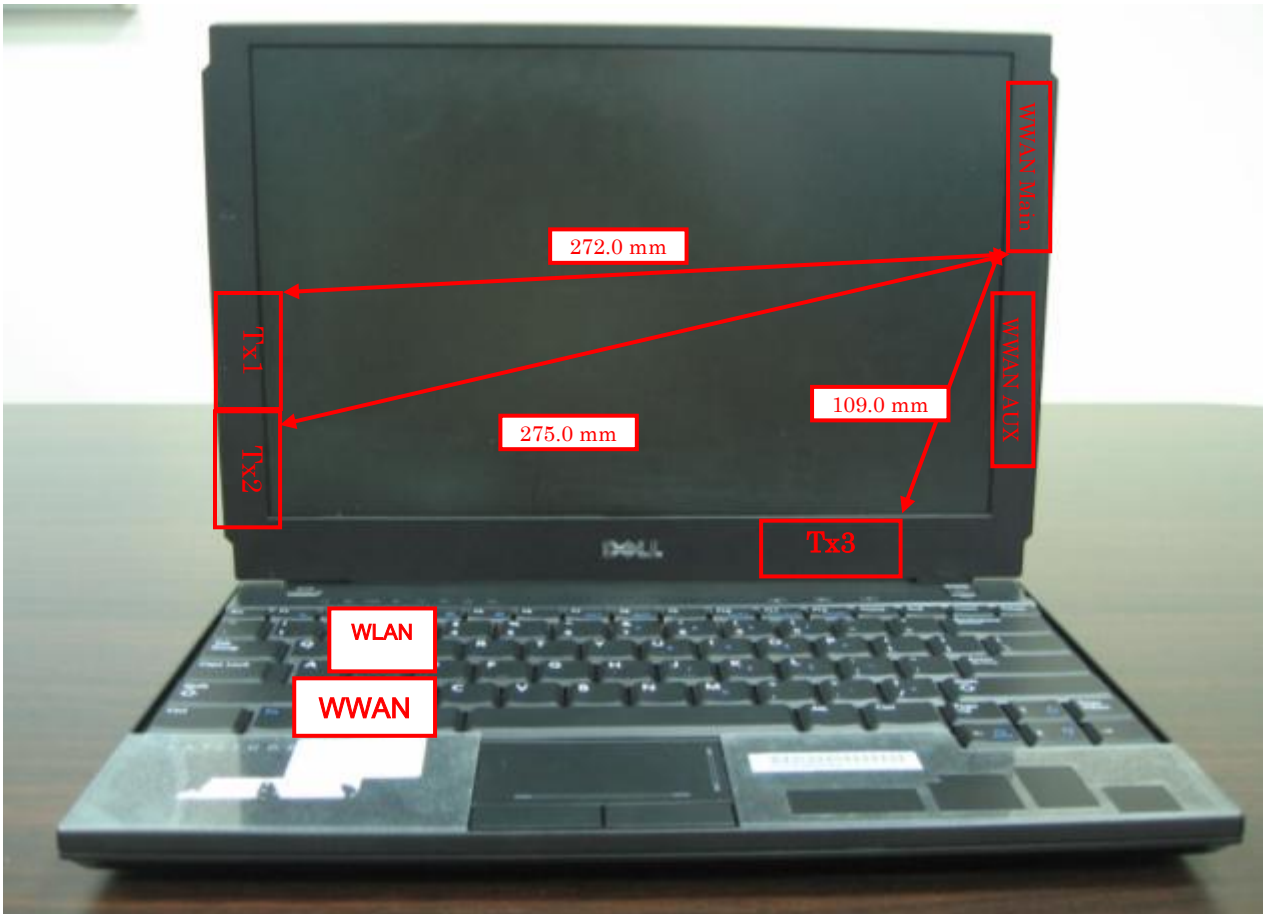




## Section 7. Diagram Example of Co-Location Antenna Separation

Include a **dimensioned photo or dimensioned drawing** showing the distance (mm) between all WLAN transmit antennas and other co-located radiator transmit antenna such as Bluetooth, WWAN,..

(Note: Due to the evolving rules regarding co-location, each platform will need to be reviewed on a case by case basis)



## 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						
Brazil						
Indonesia						
Israel						
Malaysia						
Mexico						
Singapore						Telecommunication Equipment Dealer License Required
South Africa						
USA, Canada						