

CUSTOMER NAME	MSI			
PRODUCT NAME	ND82			
AWAN P/N	LTE Main	LTE Aux	WiFi Main	WiFi Aux
	ALL6Y-200000	ALP6Y-100003	ALP6Y-100005	ALP6Y-100004
WRITED				
DATE	2023.10.31			
VERSIONS				

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# Aantenna Test System

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## 1. Applicable test methods

The gain measurement shall follow by following conditions:

- It is required that all the antenna gain to be measured spherically and computed by spatial average be computed of the resultant gain.
- During gain measurement, all other antennas not under test should be terminated by 50 Ohm load in end of cable.
- Space points of 3D gain measurement are increase by specific steps from Theta 0~180 degrees, and Phi, 0~360 degrees, as figure below. The increments steps are different steps are different by antenna functions.

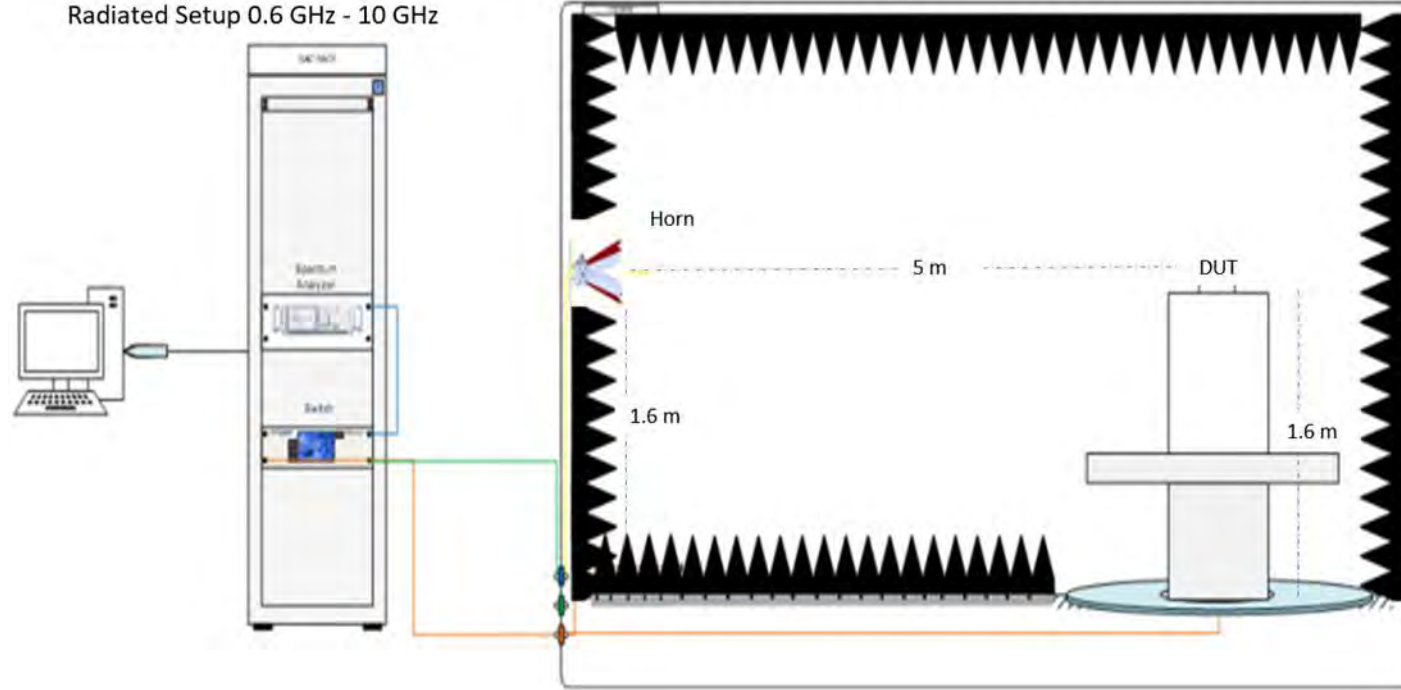
<b>Theta Start</b>	0 degree	<b>Phi Start</b>	0 degree
<b>Theta Stop</b>	180 degree	<b>Phi Stop</b>	360 degree
<b>Theta Increment</b>	30 degree	<b>Phi Increment</b>	30 degree

## 2. Test & System Description

### a. Test setup

The testing of antenna gain should be made at a ETS qualified lab with an RF anechoic chamber with at least 5-meter separation from the receive antenna to the antenna under test. The antenna gain report from unqualified lab can't be referenced a passing. Besides, all test equipment including horn antennas, adapters, cables, network analyzers, and receivers shall be calibrated per manufacturer's minimum calibration requirements.

# Aantenna Test System



## b. Equipment list

Device	Type/Module	Serial#	Manufacturer	Cal. Date	Cal. Due Date
Anechoic Chamber	AMS-8500	1047	ETS-Lindgren	2023/2/21	2024/8/21
Turn Table	ETS	-	ETS-Lindgren	N/A	N/A
Rotate controller	2090	SN 00035073	ETS-Lindgren	N/A	N/A
Horn Antenna	HAD-0710	111025-02	Bwant	2023/3/16	2025/3/16
Vector Network Analyzer	E5071C	MY46733781	Keysight	2022/1/21	2025/1/21
Cable 40cm 18 GHz	201EH012010400	201EH012010400#1	Jmtt	2023/3/27	2024/3/27
Cable 6m 18 GHz	201EH012016000	201EH012016000#3	Jmtt	2023/3/27	2024/3/27
Cable 6m 18 GHz	201EH012016000	201EH012016000#5	Jmtt	2023/3/27	2024/3/27
Cable 3.5m 18 GHz	201EH012013500	201EH012013500#3	Jmtt	2023/3/27	2024/3/27
Cable 1.5m 18 GHz	201EH012011500	201EH012011500#2	Jmtt	2023/3/27	2024/3/27

# Specification

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- . Product Number : ALL6Y-200000(LTE Main) 、 ALP6Y-100003(LTE Aux) 、 ALP6Y-100005(WiFi Main) 、 ALP6Y-100004(WiFi Aux)
- . Version :

## Electrical Characteristics

- . Frequency (MHz) :
  - LTE Main & LTE Aux : 699-960MHz, 1710-2690MHz.
  - WiFi Main & WiFi Aux : 2400-2500MHz, 5150-5850MHz, 5925-7125MHz.
- . Return Loss : < -5 dB
- . Efficiency : -1.27~-5.94 dBi
- . Peak Gain : > -2.4 dBi
- . Impedance : 50  $\Omega$
- . Polarization : Linear
- . Antenna Type : PIFA

## Mechanical Characteristics

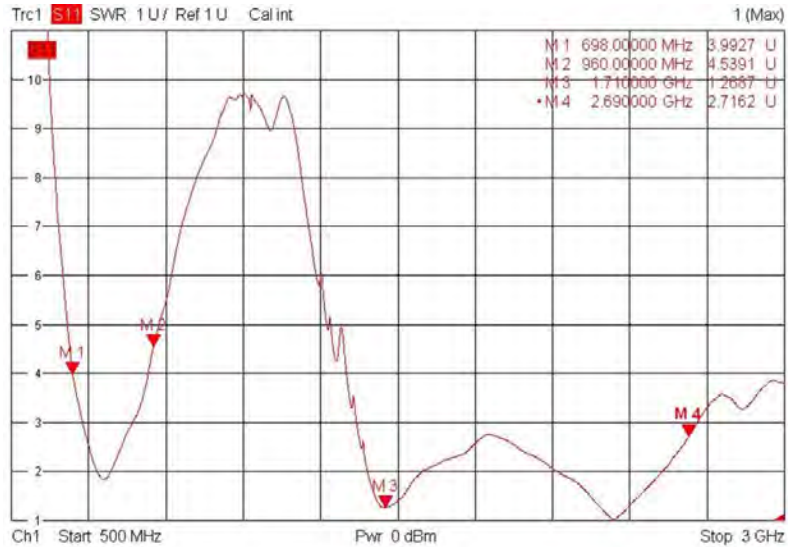
- . Cable / Connector : 1.13mm / IPEX
- . Material : FR3021(LTE Main) 、 FR4

## Environmental Condition

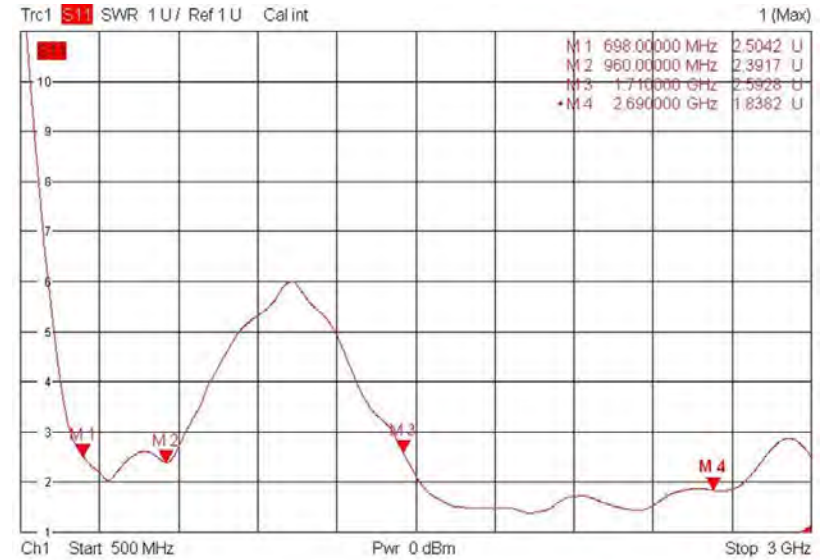
- . Operation Temperature : -30~+65 °C
- . Storage Temperature : -30~+85 °C

# Return Test Data

- ALL6Y-200000(LTE Main)**



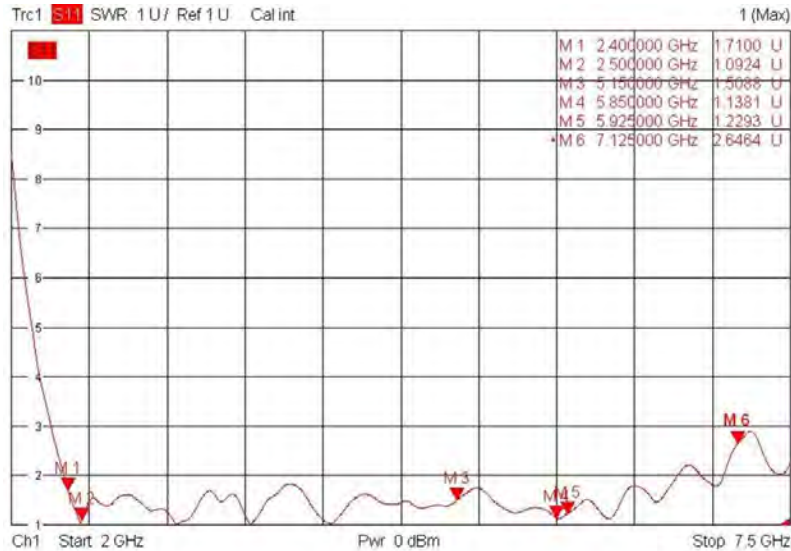
- ALP6Y-100003(LTE Aux)**



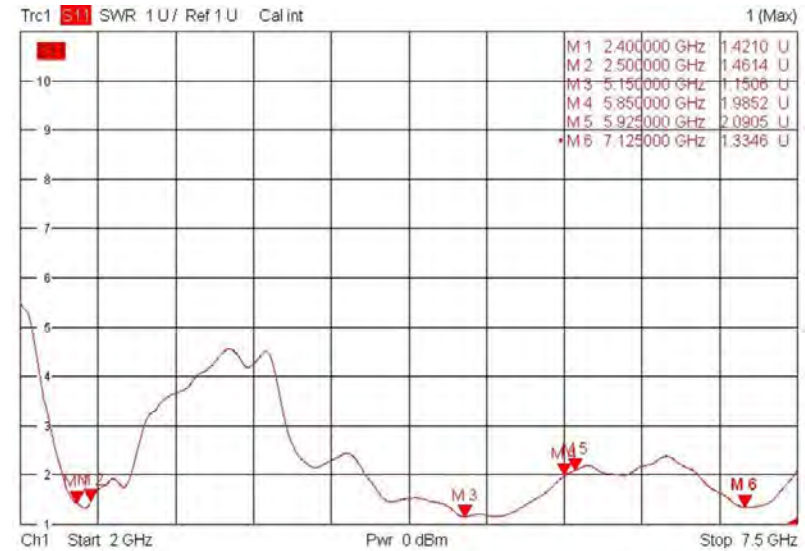
Frequency(MHz)	699	960	1710	2690
LTE Main VSWR	3.99	4.54	1.27	2.72
LTE Aux VSWR	2.50	2.39	2.59	1.84

# Return Test Data

- ALP6Y-100005(WiFi Main)



- ALP6Y-100004(WiFi Aux)



Frequency(MHz)	2400	2500	5150	5850	5925	7125
WiFi Main VSWR	1.71	1.09	1.51	1.14	1.23	2.65
WiFi Aux VSWR	1.42	1.46	1.15	1.99	2.09	1.33

# Gain / Efficiency Test Data

- **ALL6Y-200000(LTE Main)**

Frequency (MHz)	699	703	704	707	710	716	717	722	728	729	734	735
Peak Gain (dBi)	-2.4	-1.9	-1.5	-0.8	-1.3	0.2	0.2	-0.5	0.5	0.4	0.6	0.8
Efficiency (dBi)	-5.46	-4.94	-4.54	-4.02	-4.63	-3.35	-3.42	-4.25	-3.31	-3.46	-3.23	-3.02
Efficiency (%)	28.5	32.1	35.2	39.6	34.5	46.2	45.5	37.5	46.7	45.0	47.5	49.8
Frequency (MHz)	737	740	746	748	751	756	758	777	782	786	787	791
Peak Gain (dBi)	1.0	0.6	1.0	1.0	0.6	1.1	1.0	1.0	0.4	0.8	0.8	0.3
Efficiency (dBi)	-2.83	-3.21	-2.75	-2.77	-3.05	-2.56	-2.56	-2.37	-2.99	-2.67	-2.69	-3.35
Efficiency (%)	52.1	47.8	53.1	52.9	49.5	55.5	55.5	58.0	50.3	54.1	53.9	46.2
Frequency (MHz)	803	806	814	815	821	822	824	830	831	832	836	837
Peak Gain (dBi)	0.3	1.0	0.0	0.4	-0.2	-0.3	0.0	0.4	0.4	-0.1	0.7	1.0
Efficiency (dBi)	-3.58	-2.92	-3.84	-3.36	-3.73	-3.86	-3.58	-3.27	-3.27	-3.84	-3.03	-2.77
Efficiency (%)	43.9	51.1	41.3	46.1	42.3	41.1	43.9	47.1	47.1	41.3	49.8	52.9



# Gain / Efficiency Test Data

- ALL6Y-200000(LTE Main)**

Frequency (MHz)	845	847	849	859	860	862	868	869	875	876	880	882
Peak Gain (dBi)	0.4	1.0	1.0	1.3	1.3	0.7	1.5	1.6	0.1	0.1	1.0	0.2
Efficiency (dBi)	-3.36	-2.75	-2.75	-2.38	-2.44	-3.01	-2.19	-2.12	-3.72	-3.72	-2.88	-3.59
Efficiency (%)	46.1	53.1	53.0	57.8	57.0	50.0	60.4	61.3	42.5	42.5	51.5	43.7
Frequency (MHz)	890	894	900	915	925	940	960					
Peak Gain (dBi)	0.3	-1.3	-0.3	-2.0	-1.8	-0.9	-1.5					
Efficiency (dBi)	-3.46	-5.09	-3.99	-4.83	-4.96	-3.99	-4.66					
Efficiency (%)	45.1	31.0	39.9	32.9	32.0	39.9	34.2					
Frequency (MHz)	1710	1732	1745	1750	1755	1780	1785	1805	1840	1850	1880	1882
Peak Gain (dBi)	3.1	2.9	2.9	2.9	2.9	2.7	2.6	2.8	2.4	2.3	2.5	2.5
Efficiency (dBi)	-1.86	-1.99	-1.94	-1.93	-1.89	-2.11	-2.32	-2.40	-2.55	-2.48	-2.17	-2.17
Efficiency (%)	65.2	63.2	64.0	64.1	64.7	61.5	58.6	57.6	55.5	56.5	60.7	60.7

# Gain / Efficiency Test Data

- ALL6Y-200000(LTE Main)**

Frequency (MHz)	1900	1910	1915	1920	1930	1950	1960	1962	1980	1990	1995	2110
Peak Gain (dBi)	2.5	2.4	2.4	2.4	2.2	2.2	2.0	2.0	1.6	1.5	1.5	1.6
Efficiency (dBi)	-2.13	-2.17	-2.17	-2.18	-2.33	-2.62	-2.71	-2.71	-2.62	-2.46	-2.46	-2.70
Efficiency (%)	61.2	60.7	60.7	60.6	58.4	54.7	53.6	53.6	54.7	56.8	56.8	53.8
Frequency (MHz)	2132	2140	2155	2170	2200	2300	2305	2310	2315	2350	2355	2360
Peak Gain (dBi)	1.7	1.8	1.6	1.4	1.8	1.9	2.1	1.5	1.7	1.5	1.6	1.5
Efficiency (dBi)	-2.72	-2.70	-2.80	-2.86	-2.98	-2.34	-2.11	-2.67	-2.44	-2.92	-2.85	-2.92
Efficiency (%)	53.5	53.7	52.5	51.8	50.3	58.3	61.6	54.1	57.0	51.1	51.9	51.1
Frequency (MHz)	2400	2496	2500	2535	2570	2593	2595	2620	2655	2690		
Peak Gain (dBi)	2.5	2.6	2.0	1.3	0.6	0.3	0.1	0.4	0.2	-0.2		
Efficiency (dBi)	-2.07	-1.27	-1.90	-2.62	-3.09	-3.54	-3.71	-3.61	-3.84	-4.38		
Efficiency (%)	62.1	74.6	64.5	54.7	49.1	44.3	42.5	43.5	41.3	36.5		

# Gain / Efficiency Test Data

- ALP6Y-100003(LTE Aux)

Frequency (MHz)	699	703	704	707	710	716	717	722	728	729	734	735
Peak Gain (dBi)	-1.8	-0.5	-0.4	-1.4	-1.7	-1.9	-2.3	-1.7	-2.0	-2.0	-0.9	-1.0
Efficiency (dBi)	-5.27	-3.85	-3.77	-4.61	-4.70	-4.54	-4.93	-4.23	-4.58	-4.63	-3.51	-3.70
Efficiency (%)	29.7	41.2	42.0	34.6	33.9	35.2	32.1	37.7	34.8	34.5	44.6	42.6
Frequency (MHz)	737	740	746	748	751	756	758	777	782	786	787	791
Peak Gain (dBi)	-1.7	-1.8	-0.9	-1.3	-0.5	0.7	0.2	0.8	-0.3	-0.1	-0.5	-1.3
Efficiency (dBi)	-4.41	-4.61	-3.85	-4.46	-3.97	-3.20	-3.86	-2.98	-3.51	-2.91	-3.24	-3.97
Efficiency (%)	36.2	34.6	41.3	35.9	40.1	47.9	41.1	50.3	44.5	51.2	47.4	40.1
Frequency (MHz)	803	806	814	815	821	822	824	830	831	832	836	837
Peak Gain (dBi)	-1.1	-0.2	-1.6	-0.4	-1.7	-1.6	-0.8	-1.7	-1.7	-1.9	-0.4	-0.4
Efficiency (dBi)	-3.71	-2.95	-4.48	-3.34	-4.67	-4.55	-3.75	-4.58	-4.58	-4.79	-3.36	-3.36
Efficiency (%)	42.6	50.7	35.6	46.3	34.1	35.1	42.1	34.8	34.8	33.2	46.2	46.1

# Gain / Efficiency Test Data

- ALP6Y-100003(LTE Aux)**

Frequency (MHz)	845	847	849	859	860	862	868	869	875	876	880	882
Peak Gain (dBi)	-0.7	-0.5	-1.1	-0.2	-0.5	-1.0	0.0	-0.2	-0.9	-0.9	-0.8	-1.5
Efficiency (dBi)	-3.75	-3.49	-4.10	-3.15	-3.48	-4.02	-3.06	-3.33	-4.01	-4.01	-3.98	-4.70
Efficiency (%)	42.2	44.8	38.9	48.4	44.9	39.6	49.4	46.4	39.7	39.7	40.0	33.9
Frequency (MHz)	890	894	900	915	925	940	960					
Peak Gain (dBi)	-1.0	-2.1	-0.9	-2.2	-1.5	-0.4	-0.9					
Efficiency (dBi)	-4.19	-5.24	-3.93	-4.93	-4.21	-3.24	-3.94					
Efficiency (%)	38.1	29.9	40.4	32.1	37.9	47.4	40.4					
Frequency (MHz)	1710	1732	1745	1750	1755	1780	1785	1805	1840	1850	1880	1882
Peak Gain (dBi)	-0.3	0.1	0.4	0.4	0.4	-0.3	-0.4	-0.7	-0.2	0.2	1.9	1.9
Efficiency (dBi)	-3.20	-2.71	-2.55	-2.56	-2.62	-3.09	-3.24	-3.42	-3.41	-3.26	-2.58	-2.58
Efficiency (%)	47.9	53.6	55.6	55.5	54.6	49.1	47.4	45.6	45.6	47.2	55.2	55.2

# Gain / Efficiency Test Data

- ALP6Y-100003(LTE Aux)

Frequency (MHz)	1900	1910	1915	1920	1930	1950	1960	1962	1980	1990	1995	2110
Peak Gain (dBi)	2.2	2.5	2.5	2.5	2.2	1.6	1.7	1.7	2.3	2.7	2.7	1.8
Efficiency (dBi)	-2.43	-2.37	-2.37	-2.33	-2.52	-2.83	-2.77	-2.77	-2.38	-2.03	-2.13	-2.74
Efficiency (%)	57.1	57.9	57.9	58.5	55.9	52.1	52.9	52.9	57.8	62.6	61.3	53.2
Frequency (MHz)	2132	2140	2155	2170	2200	2300	2305	2310	2315	2350	2355	2360
Peak Gain (dBi)	1.6	1.7	1.8	1.9	2.0	2.4	2.9	2.2	2.6	1.9	1.8	1.7
Efficiency (dBi)	-2.89	-2.87	-2.98	-2.89	-3.01	-2.52	-2.10	-2.84	-2.54	-3.46	-3.45	-3.59
Efficiency (%)	51.4	51.6	50.4	51.4	50.0	56.0	61.6	52.0	55.7	45.1	45.2	43.8
Frequency (MHz)	2400	2496	2500	2535	2570	2593	2595	2620	2655	2690		
Peak Gain (dBi)	2.2	2.3	1.9	1.3	1.1	0.9	0.8	0.9	0.8	1.0		
Efficiency (dBi)	-3.27	-2.87	-3.22	-3.80	-4.42	-4.57	-4.62	-4.37	-4.41	-4.54		
Efficiency (%)	47.1	51.7	47.7	41.7	36.2	34.9	34.6	36.6	36.3	35.2		

# Gain / Efficiency Test Data

- ALP6Y-100005(WiFi Main)**

Frequency (MHz)	2400	2450	2500	5150	5250	5350	5470	5600	5650	5725
Peak Gain (dBi)	0.94	0.83	1.12	1.01	0.25	0.76	0.35	1.60	1.60	3.81
Efficiency (dBi)	-4.15	-3.62	-3.66	-4.75	-4.83	-4.50	-3.96	-4.09	-4.09	-3.80
Efficiency (%)	38.5	43.4	43.1	33.5	32.9	35.5	40.2	39.0	39.0	41.7
Frequency (MHz)	5785	5850	5865	5885	5905	5925	6000	6125	6225	6325
Peak Gain (dBi)	4.53	4.81	4.81	4.76	4.75	3.54	2.67	2.56	3.24	4.53
Efficiency (dBi)	-3.99	-3.44	-3.44	-3.43	-3.30	-3.74	-3.45	-3.93	-4.50	-4.51
Efficiency (%)	39.9	45.3	45.3	45.4	46.8	42.2	45.2	40.4	35.5	35.4
Frequency (MHz)	6425	6525	6625	6725	6875	6925	7000	7125		
Peak Gain (dBi)	3.63	1.06	1.03	2.85	1.45	1.92	2.11	0.35		
Efficiency (dBi)	-5.08	-5.94	-5.48	-4.84	-4.82	-4.11	-3.79	-5.72		
Efficiency (%)	31.1	25.5	28.3	32.8	33.0	38.8	41.8	26.8		

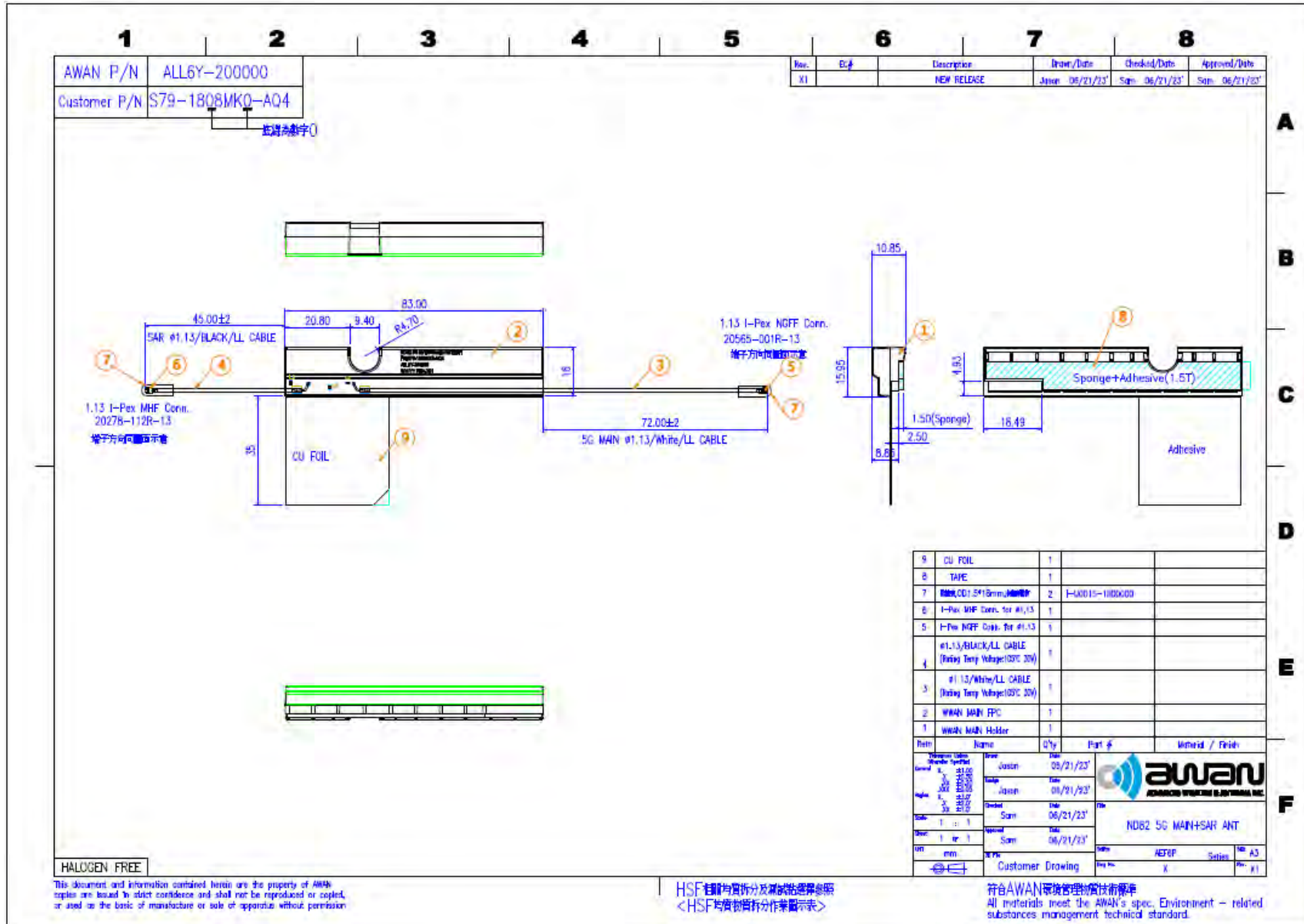
# Gain / Efficiency Test Data

- ALP6Y-100004(WiFi Aux)

Frequency (MHz)	2400	2450	2500	5150	5250	5350	5470	5600	5650	5725
Peak Gain (dBi)	2.73	2.92	2.21	3.53	3.60	3.67	4.76	4.73	4.73	4.29
Efficiency (dBi)	-2.98	-2.96	-3.07	-3.30	-3.41	-3.26	-2.96	-2.54	-2.54	-2.43
Efficiency (%)	50.3	50.6	49.3	46.7	45.6	47.3	50.5	55.8	55.8	57.2
Frequency (MHz)	5785	5850	5865	5885	5905	5925	6000	6125	6225	6325
Peak Gain (dBi)	3.94	4.36	4.36	4.19	3.74	3.27	3.28	2.71	2.51	3.04
Efficiency (dBi)	-2.91	-2.36	-2.36	-2.23	-2.26	-2.48	-1.91	-2.39	-3.11	-2.99
Efficiency (%)	51.1	58.0	58.0	59.8	59.5	56.5	64.4	57.7	48.9	50.2
Frequency (MHz)	6425	6525	6625	6725	6875	6925	7000	7125		
Peak Gain (dBi)	2.47	1.19	1.22	2.22	2.22	3.13	3.90	4.02		
Efficiency (dBi)	-3.52	-4.89	-4.11	-3.01	-3.06	-2.48	-1.72	-2.64		
Efficiency (%)	44.4	32.5	38.8	50.0	49.4	56.5	67.3	54.5		

# Drawing Layout

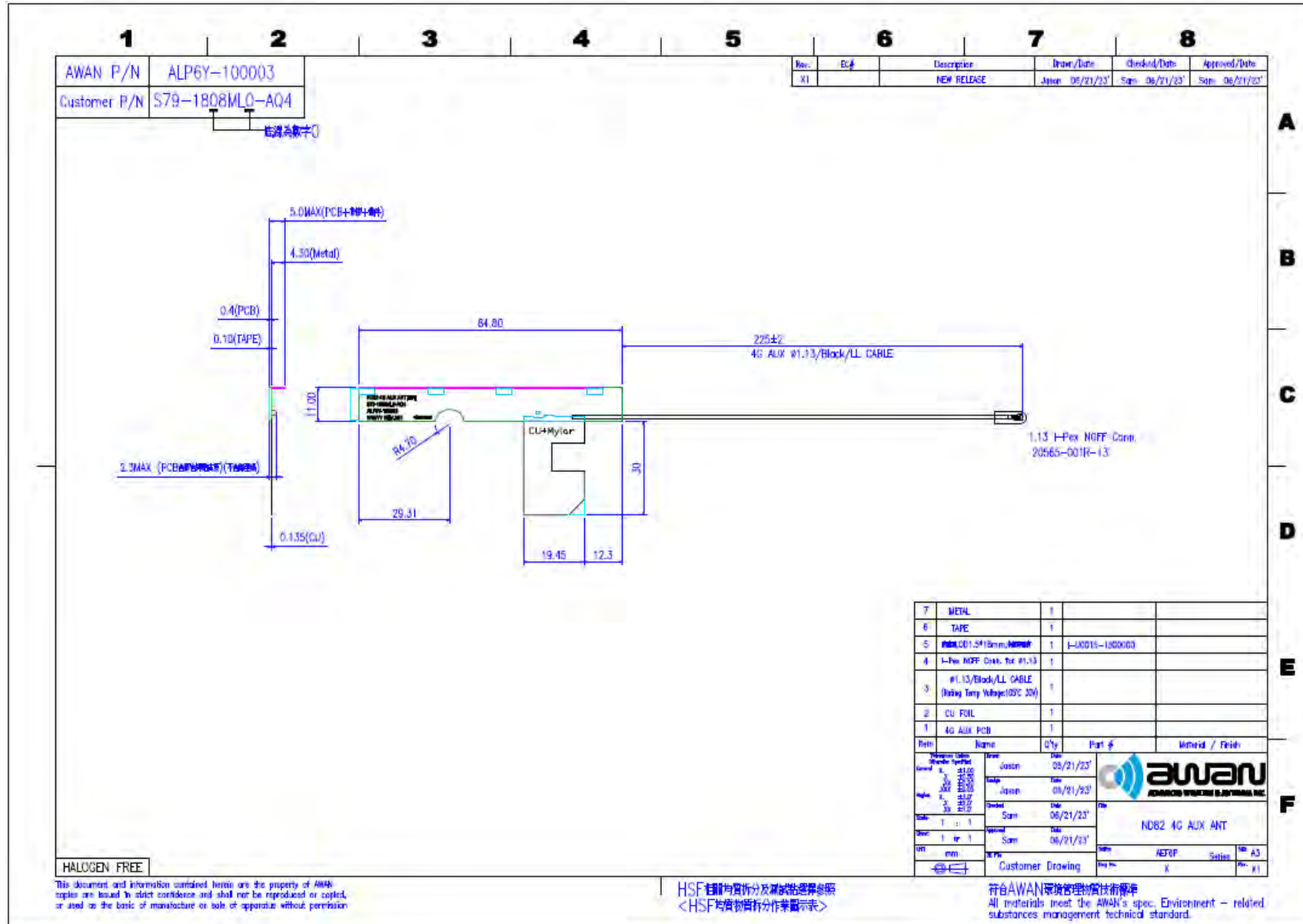
- ALL6Y-200000(LTE Main)





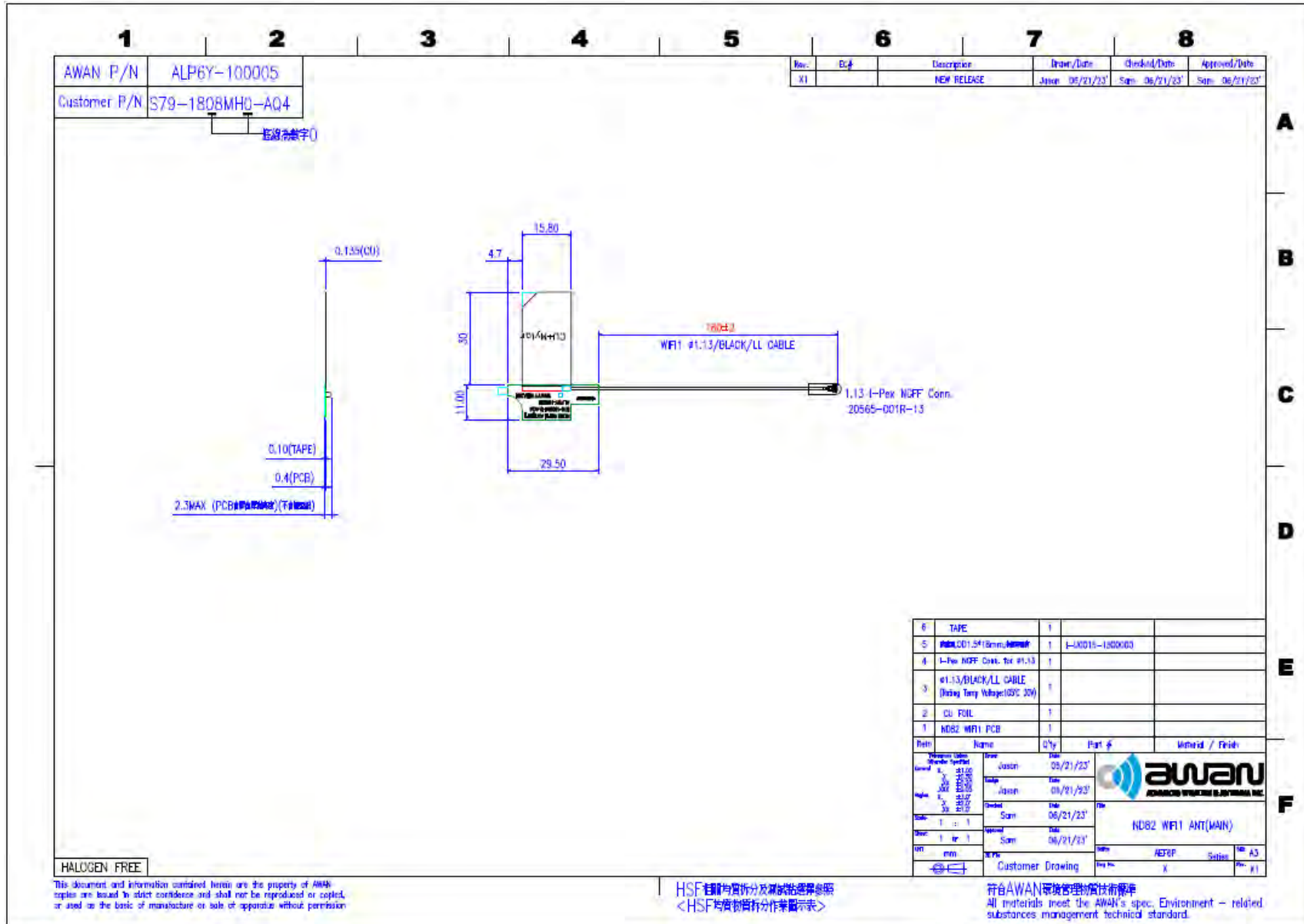
# Drawing Layout

- ALP6Y-100003(LTE Aux)



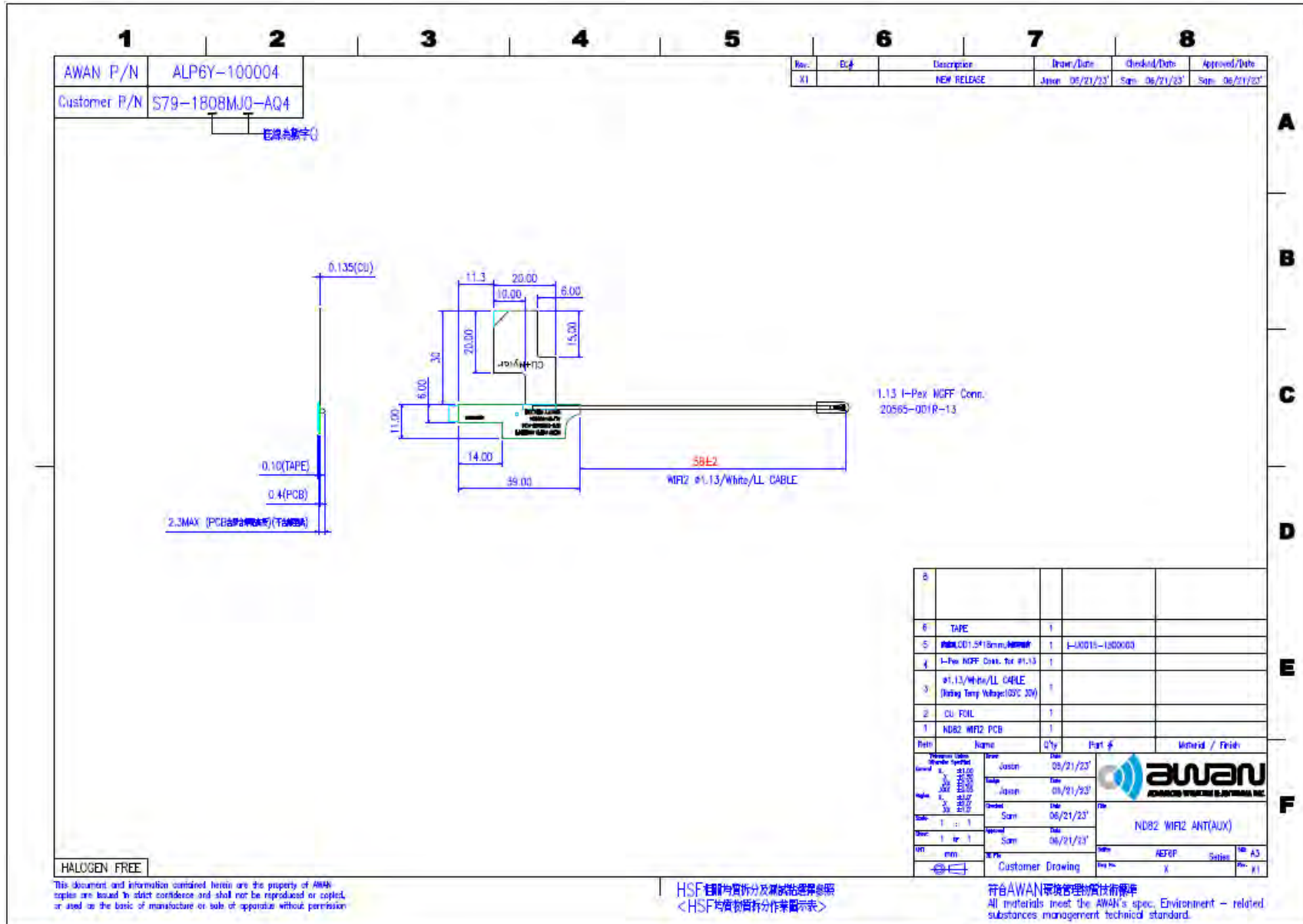
# Drawing Layout

- ALP6Y-100005(WiFi Main)



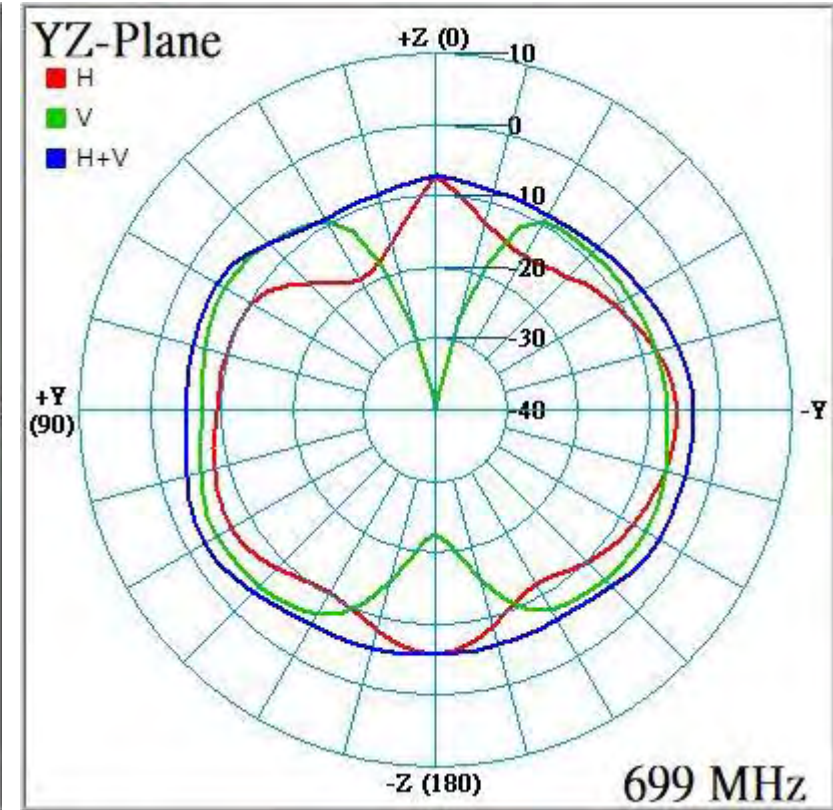
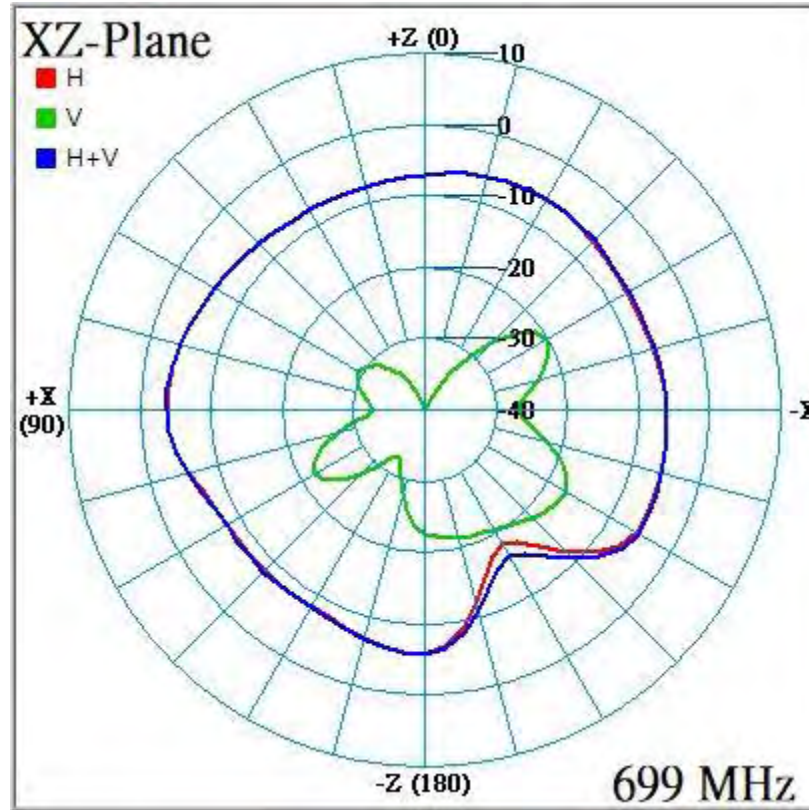
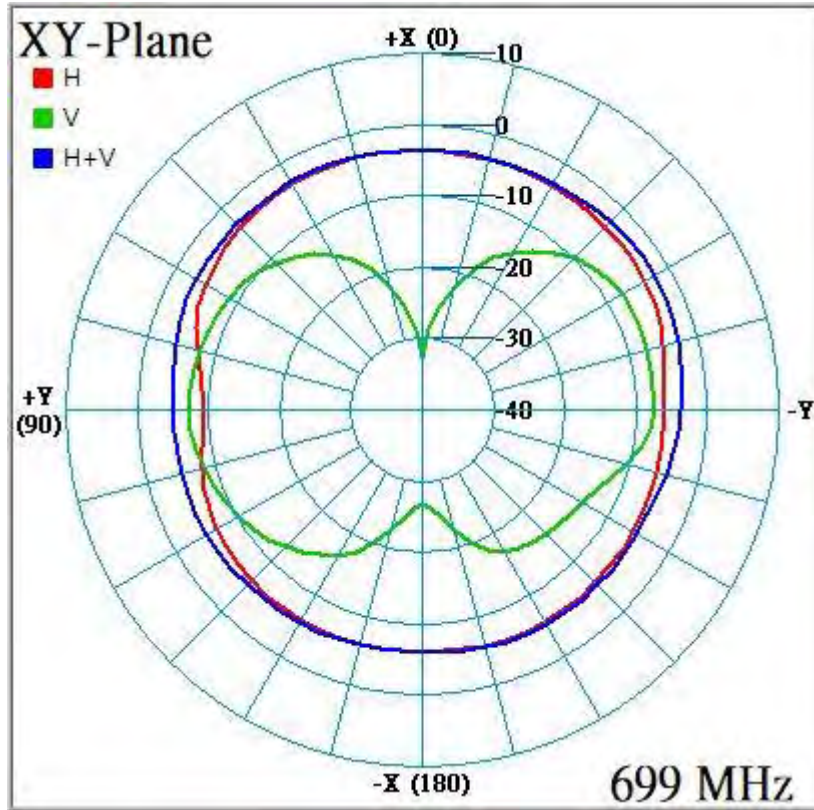
# Drawing Layout

- ALP6Y-100004(WiFi Aux)



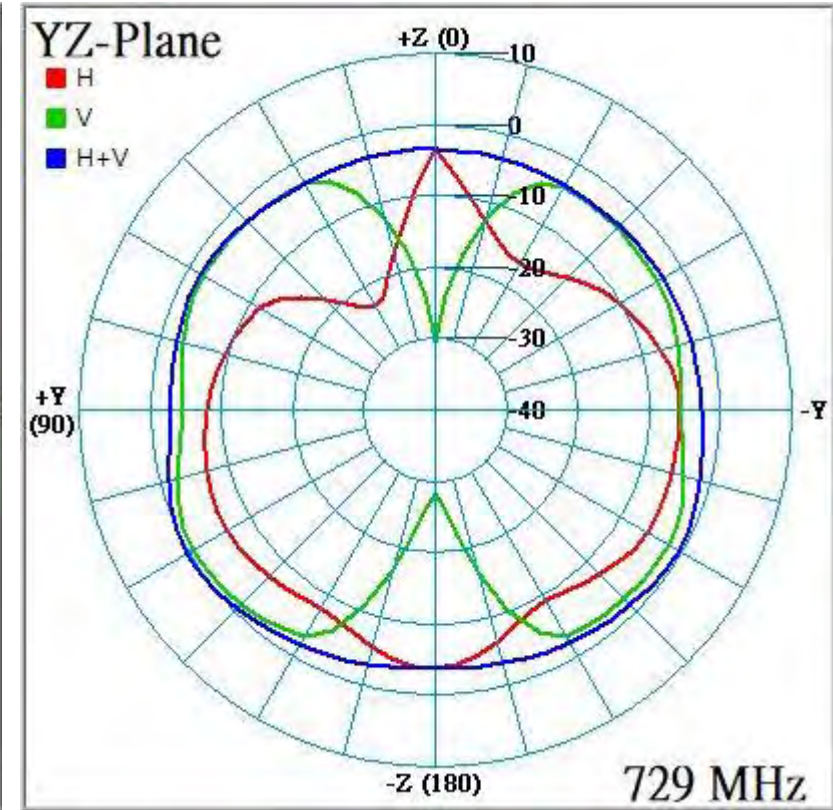
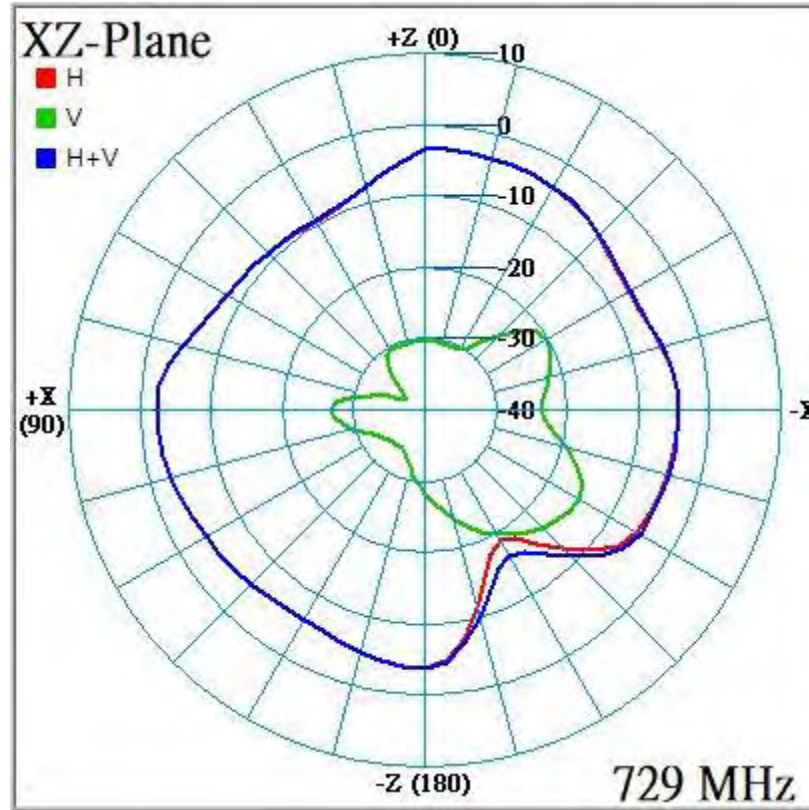
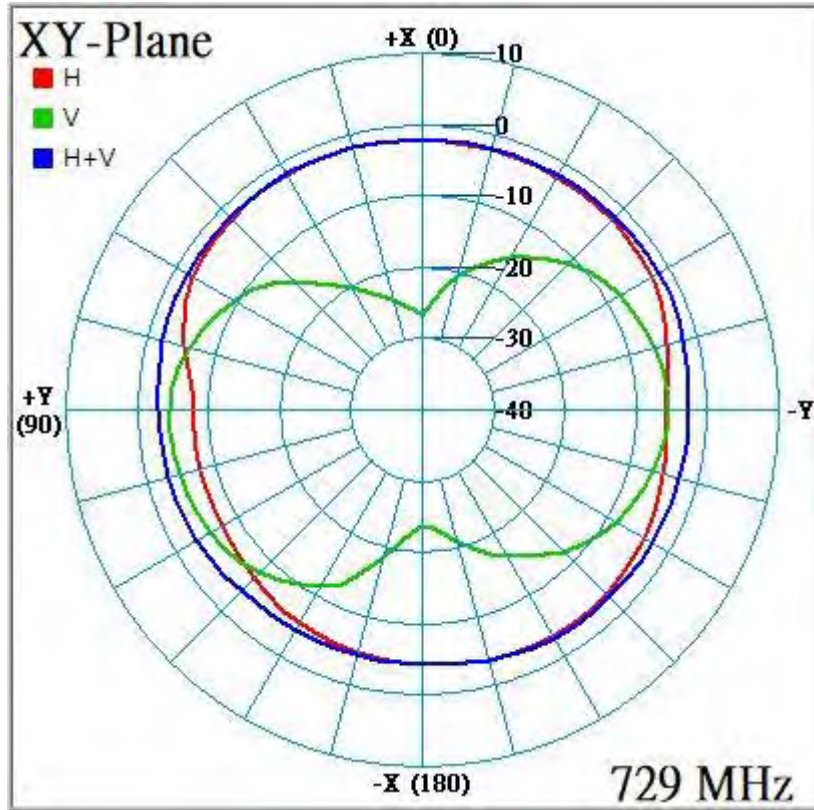
# Radiation characteristics of antenna loaded in Host Platform @ 699MHz:

- ALL6Y-200000(LTE Main)



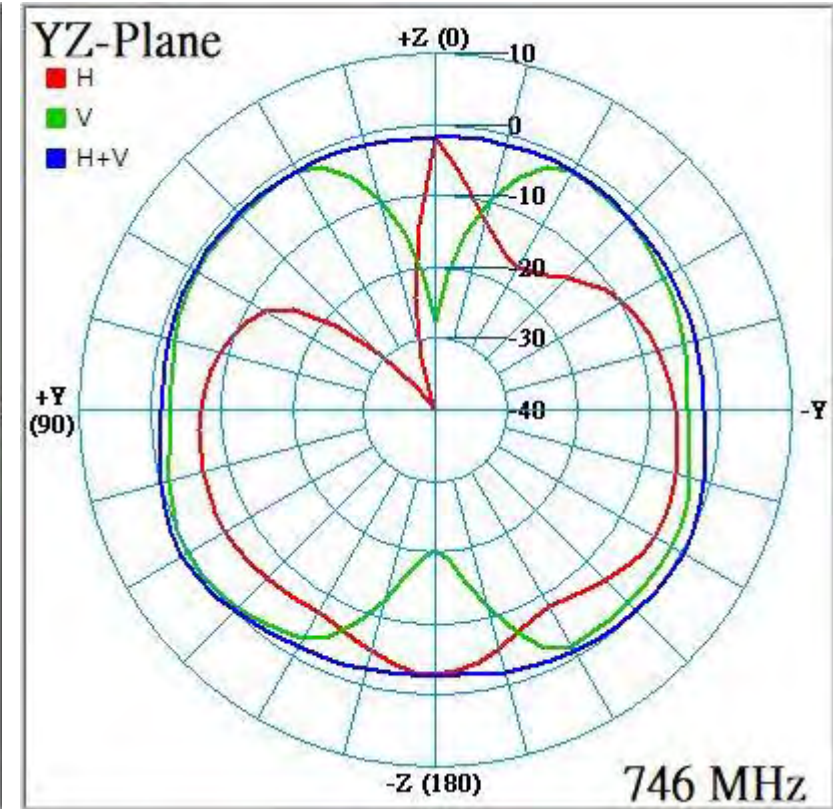
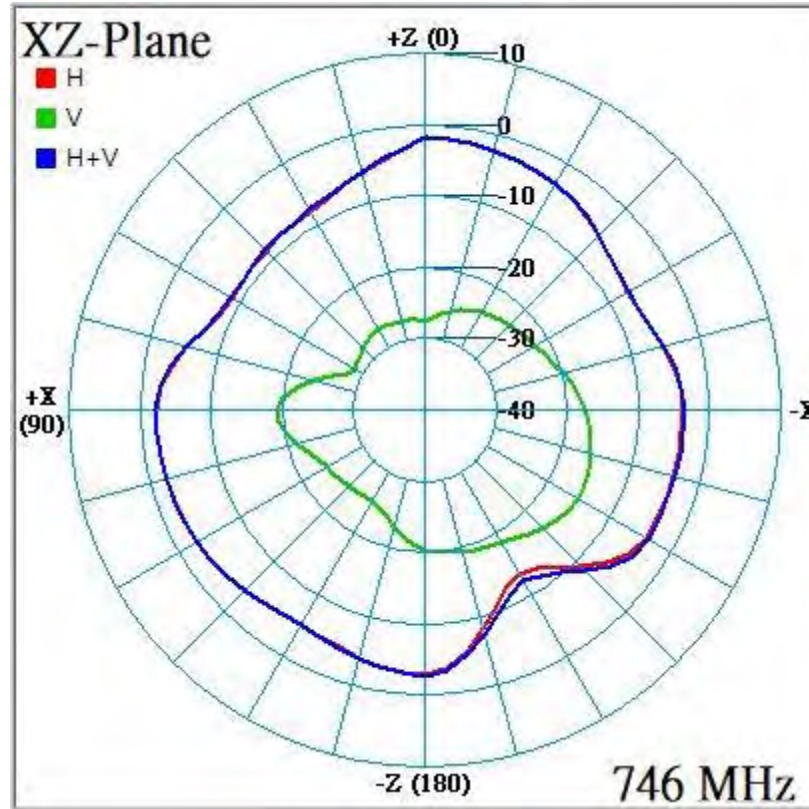
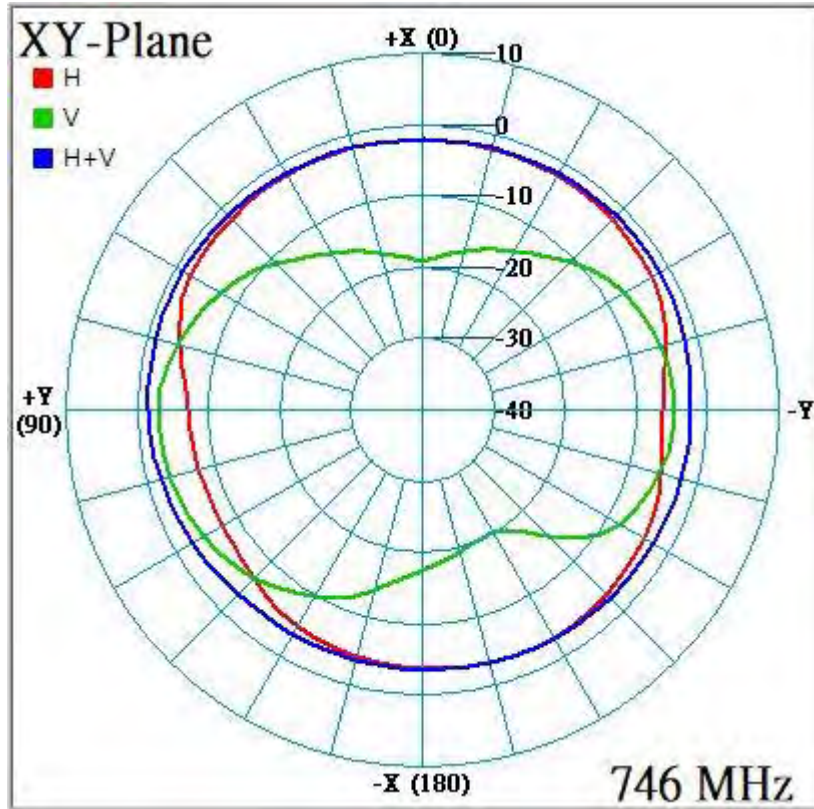
# Radiation characteristics of antenna loaded in Host Platform @ 729MHz:

- ALL6Y-200000(LTE Main)



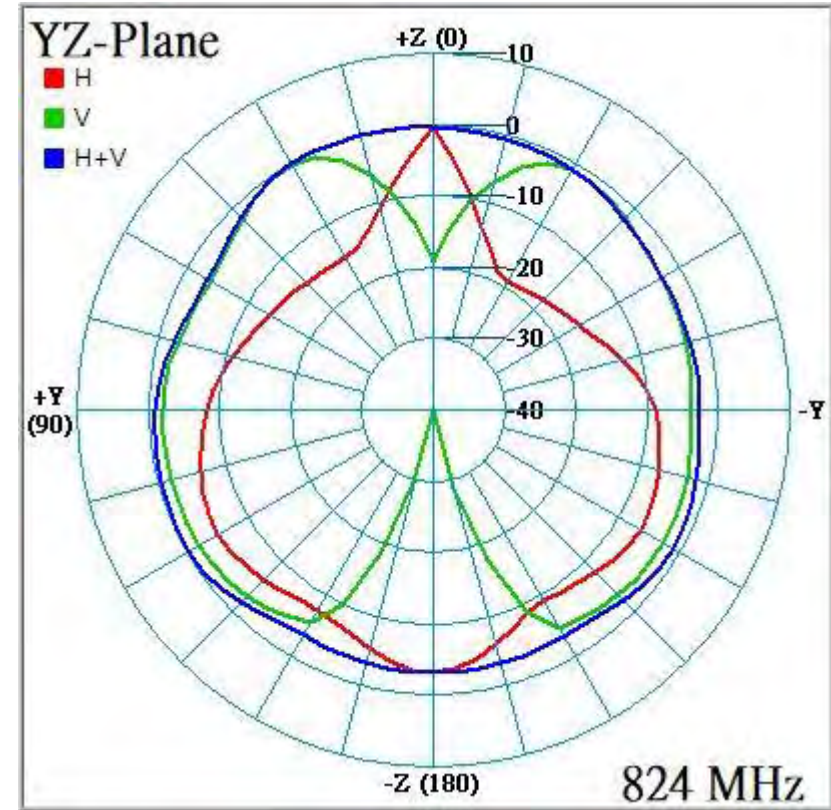
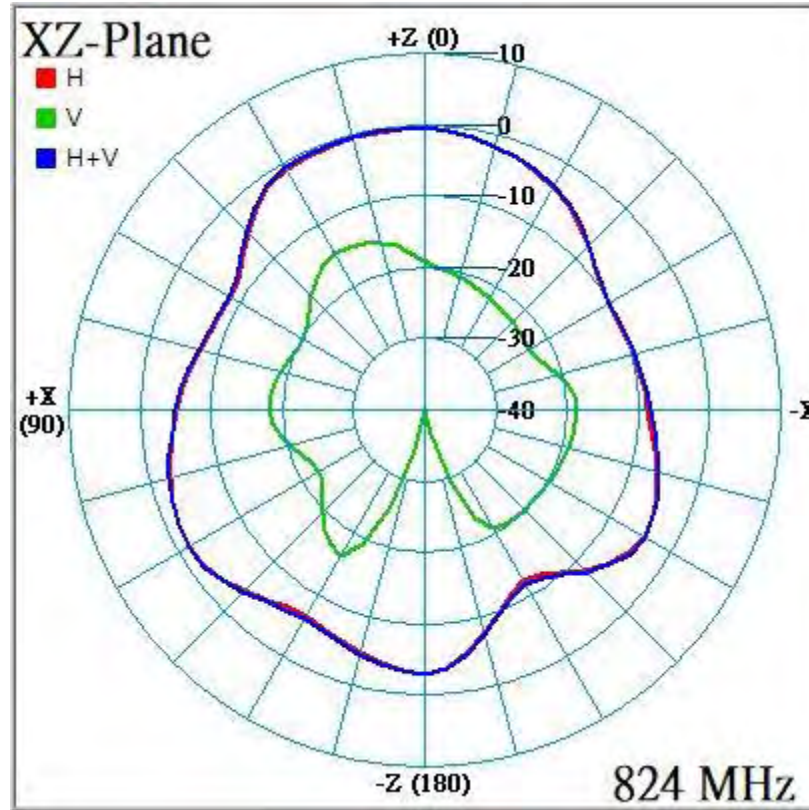
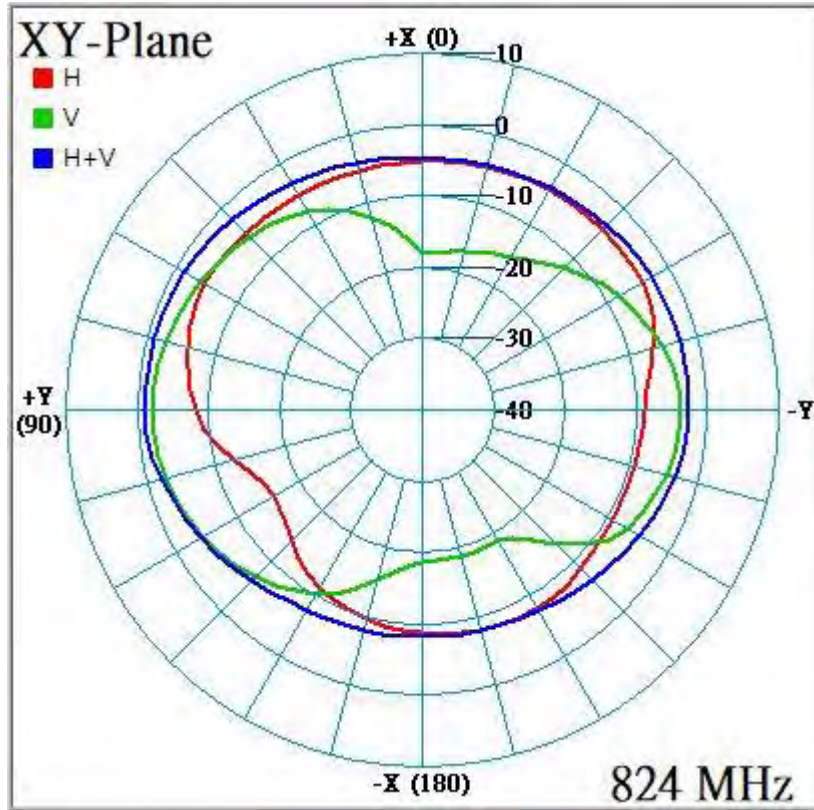
# Radiation characteristics of antenna loaded in Host Platform @ 746MHz:

- ALL6Y-200000(LTE Main)



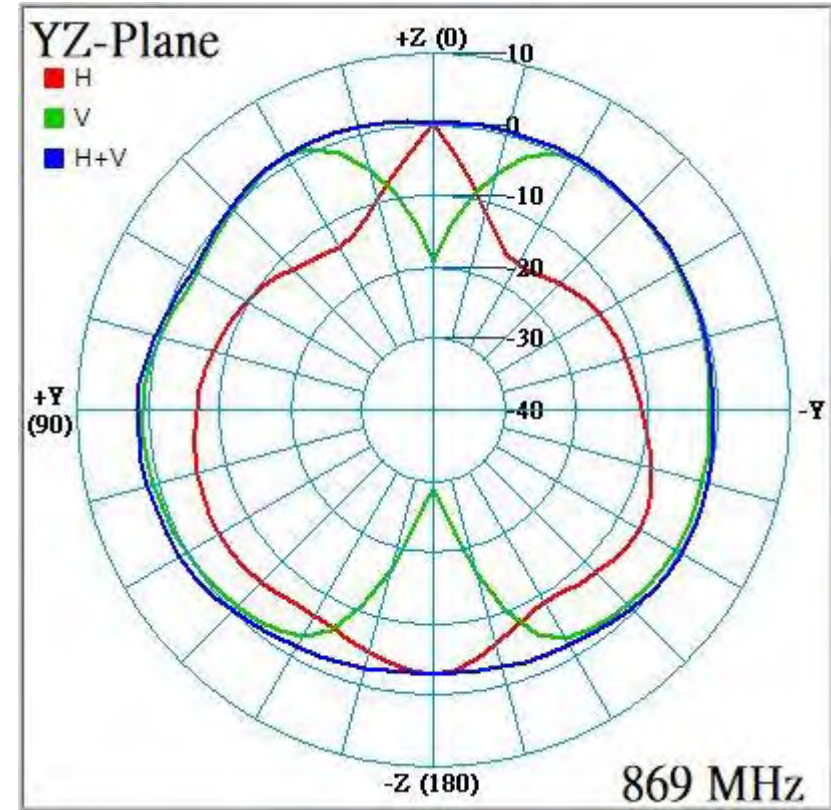
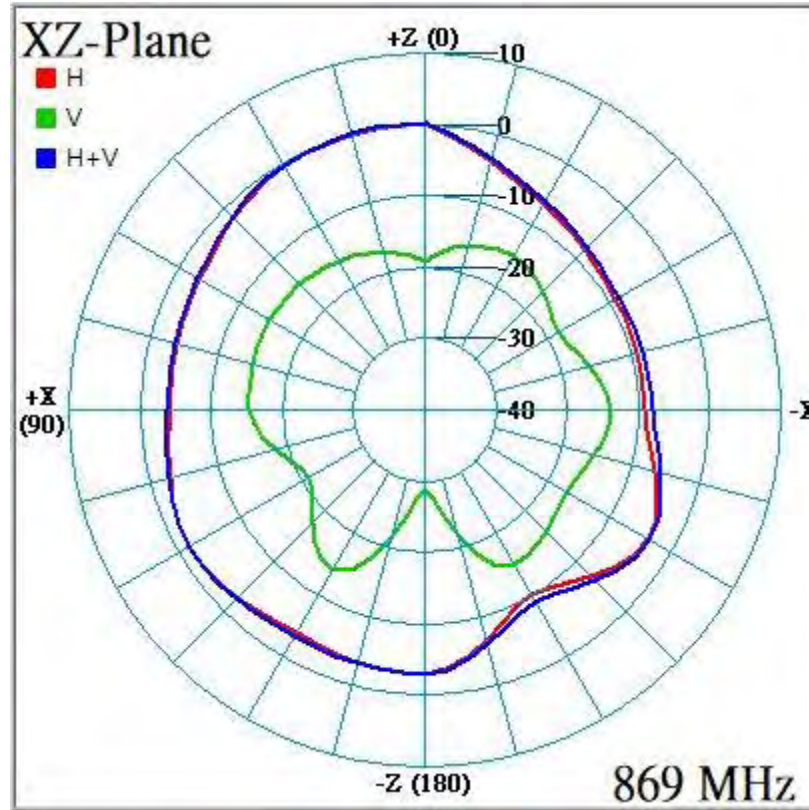
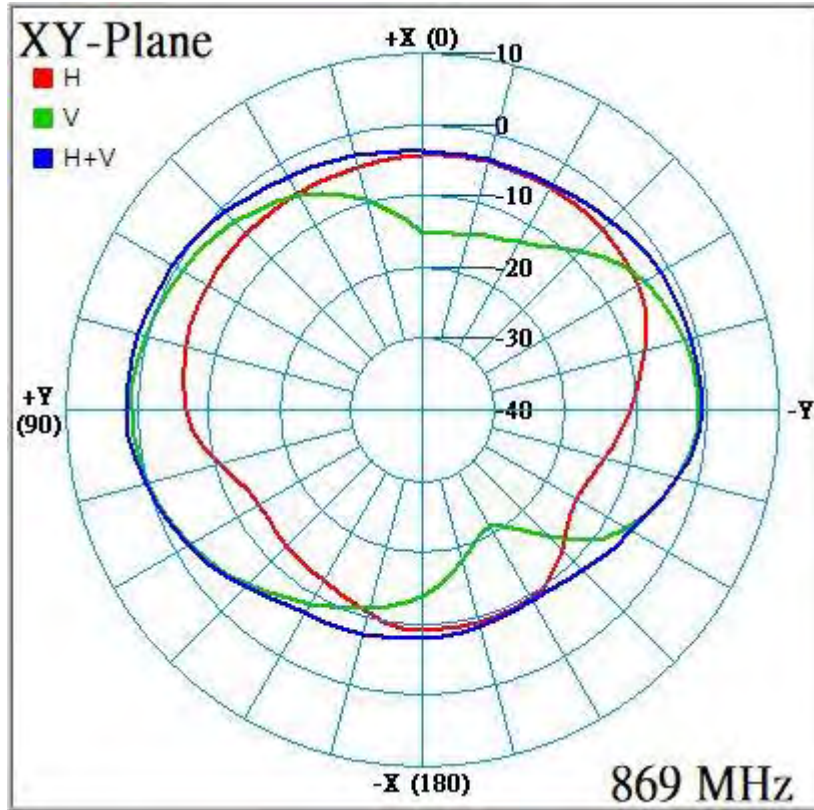
# Radiation characteristics of antenna loaded in Host Platform @ 824MHz:

- ALL6Y-200000(LTE Main)



# Radiation characteristics of antenna loaded in Host Platform @ 869MHz:

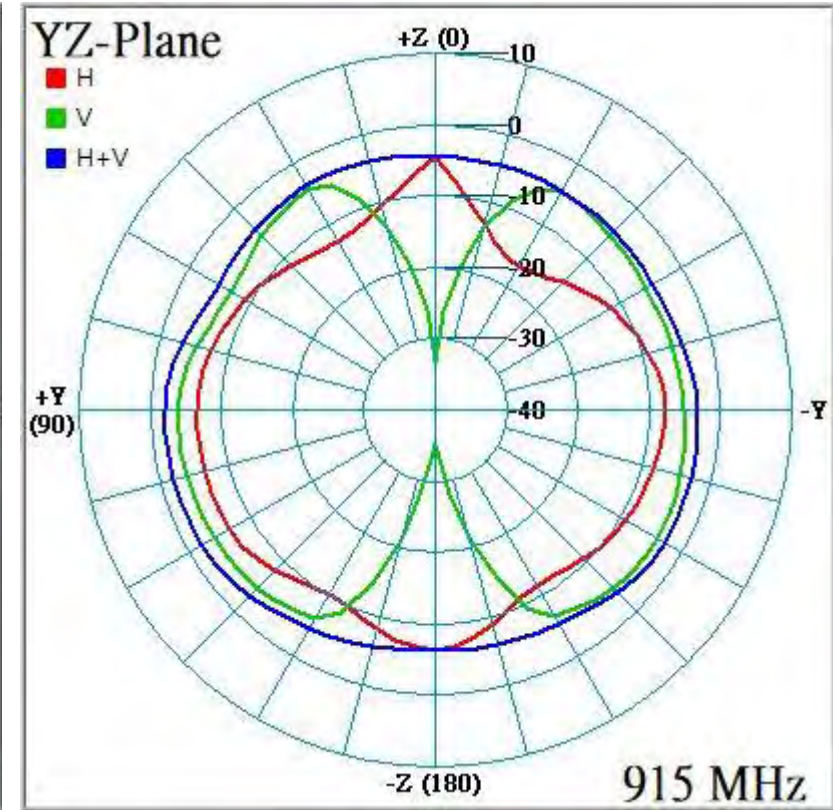
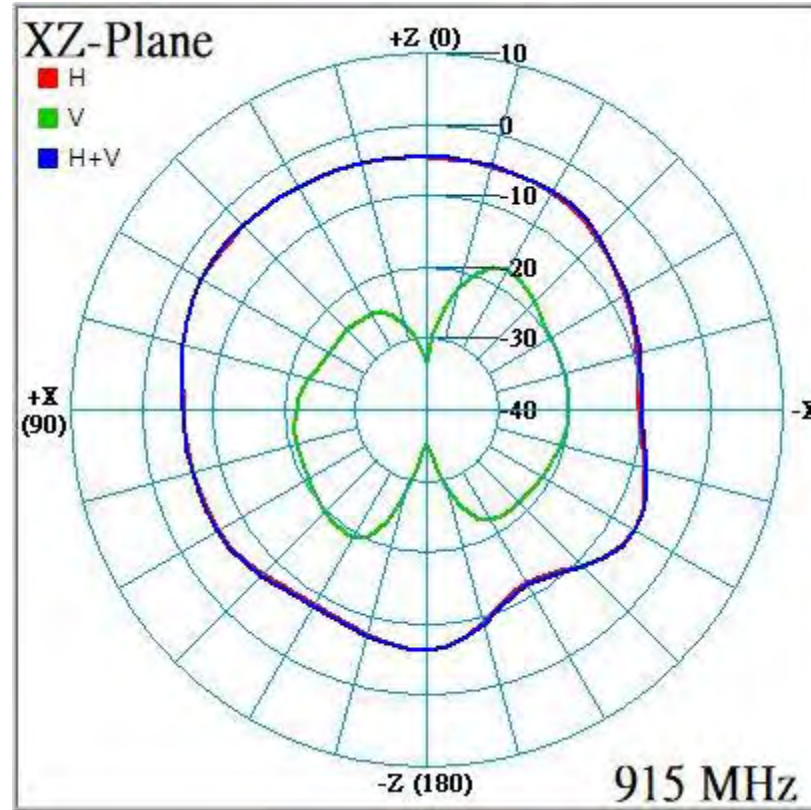
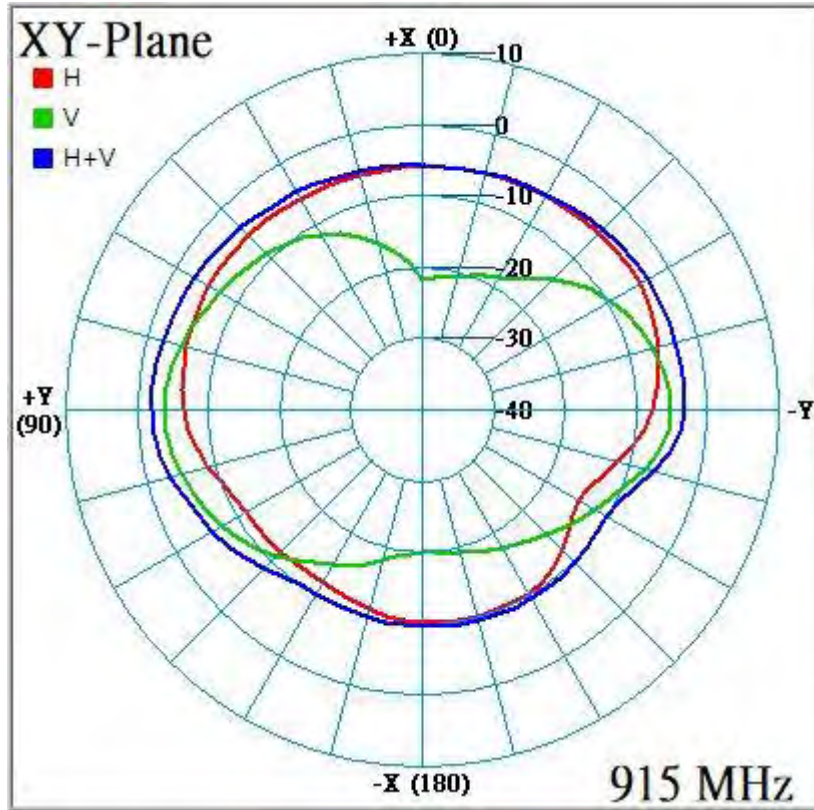
- ALL6Y-200000(LTE Main)





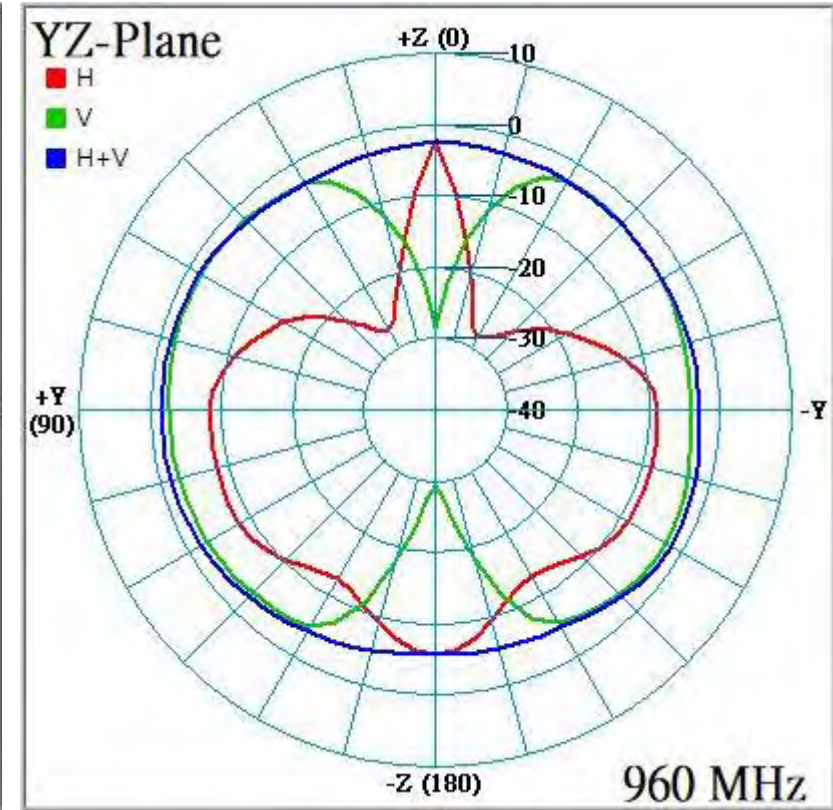
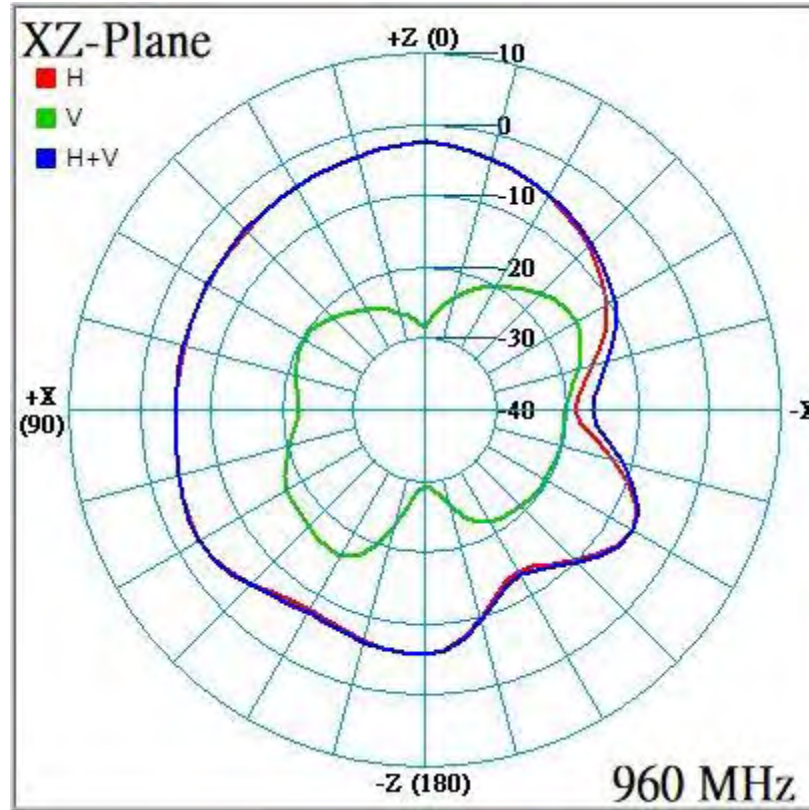
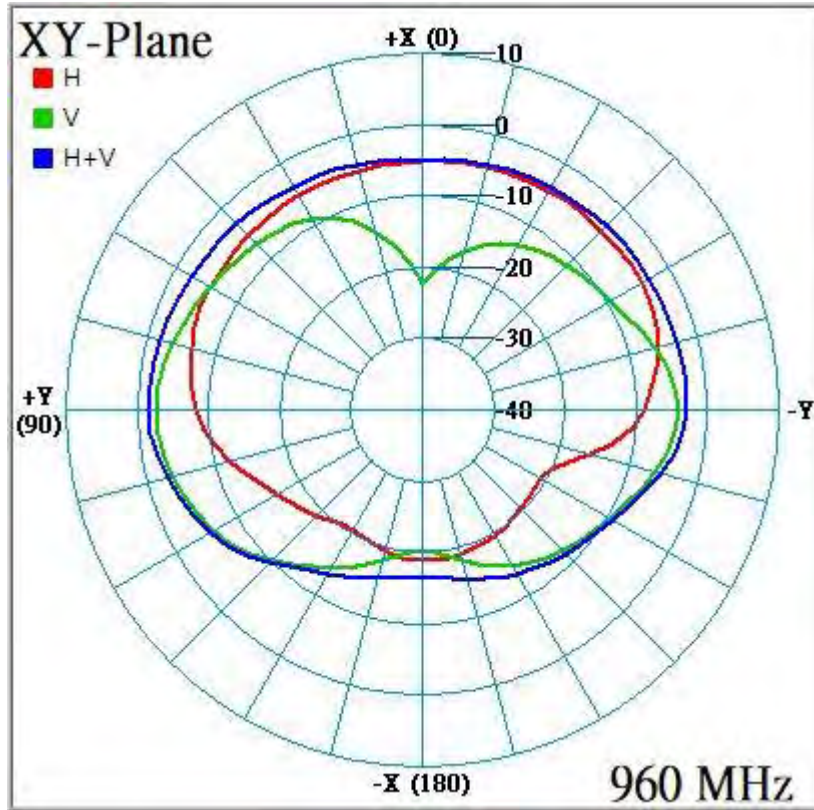
# Radiation characteristics of antenna loaded in Host Platform @ 915MHz:

- ALL6Y-200000(LTE Main)



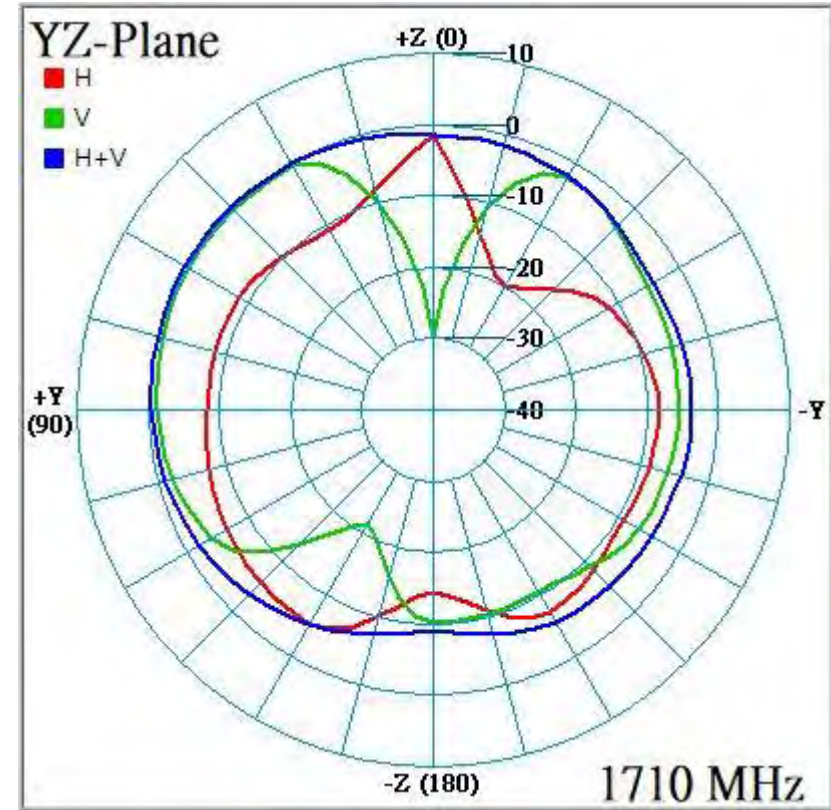
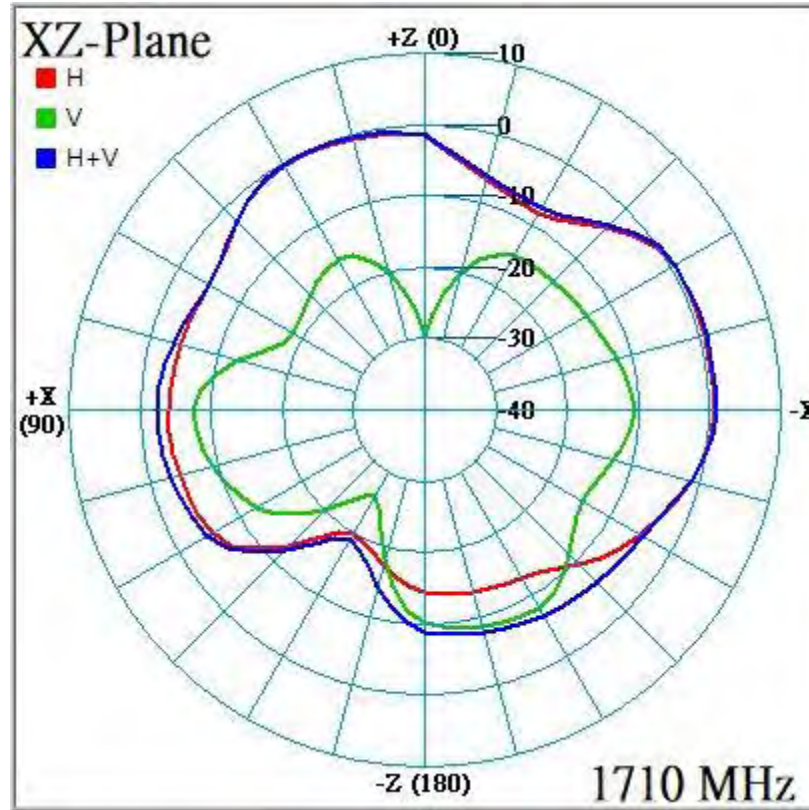
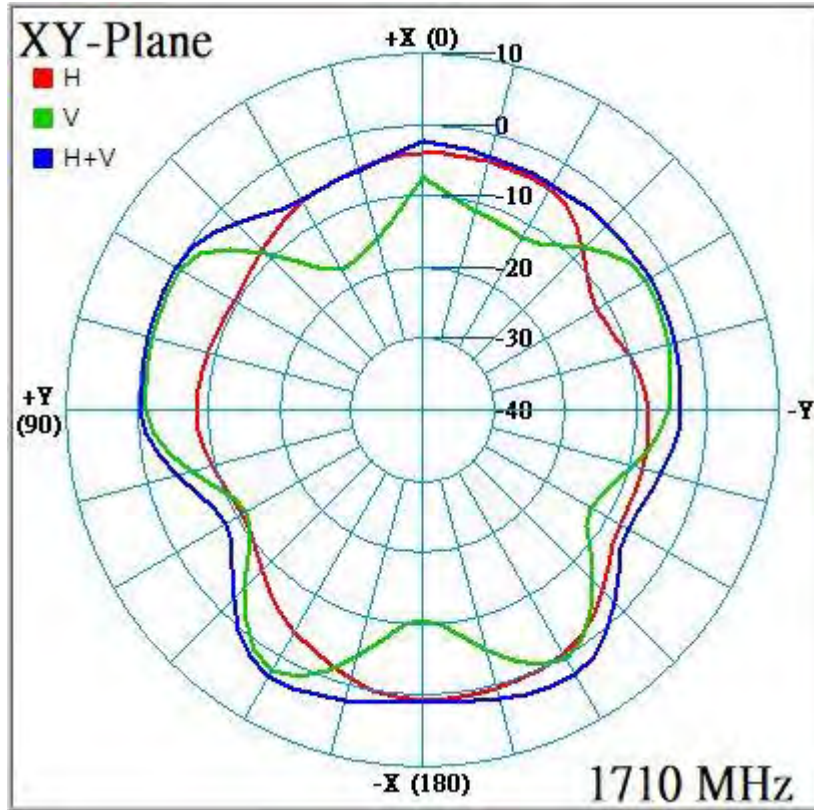
# Radiation characteristics of antenna loaded in Host Platform @ 960MHz:

- ALL6Y-200000(LTE Main)



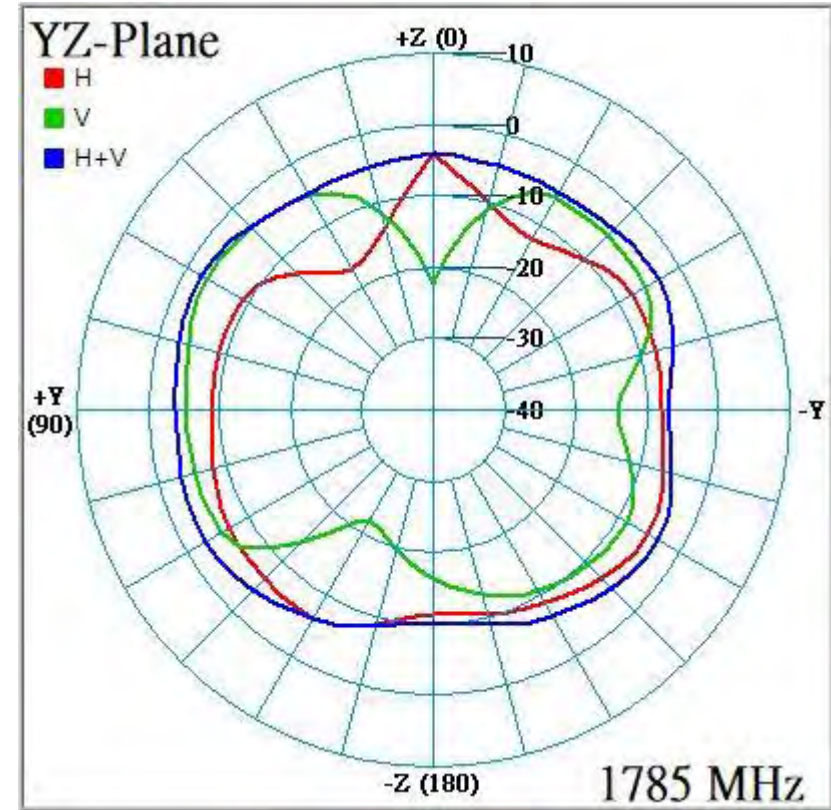
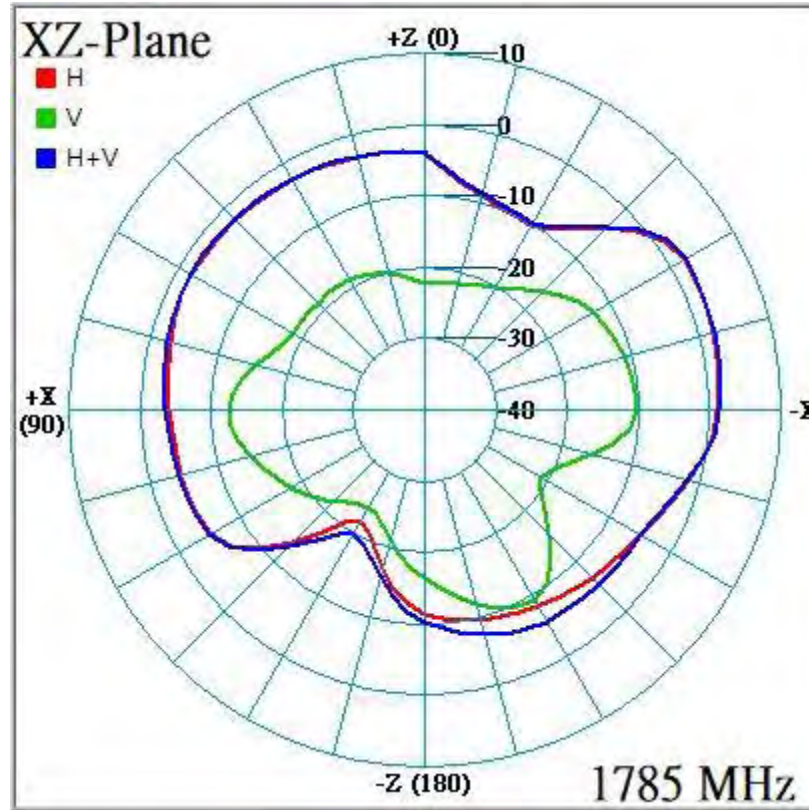
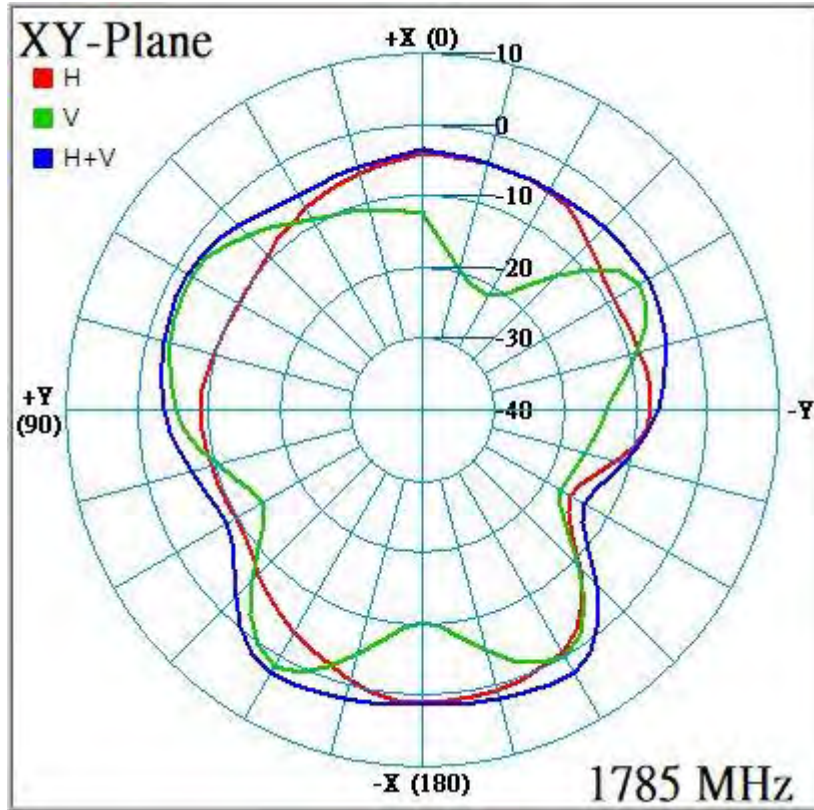
# Radiation characteristics of antenna loaded in Host Platform @ 1710MHz:

- ALL6Y-200000(LTE Main)



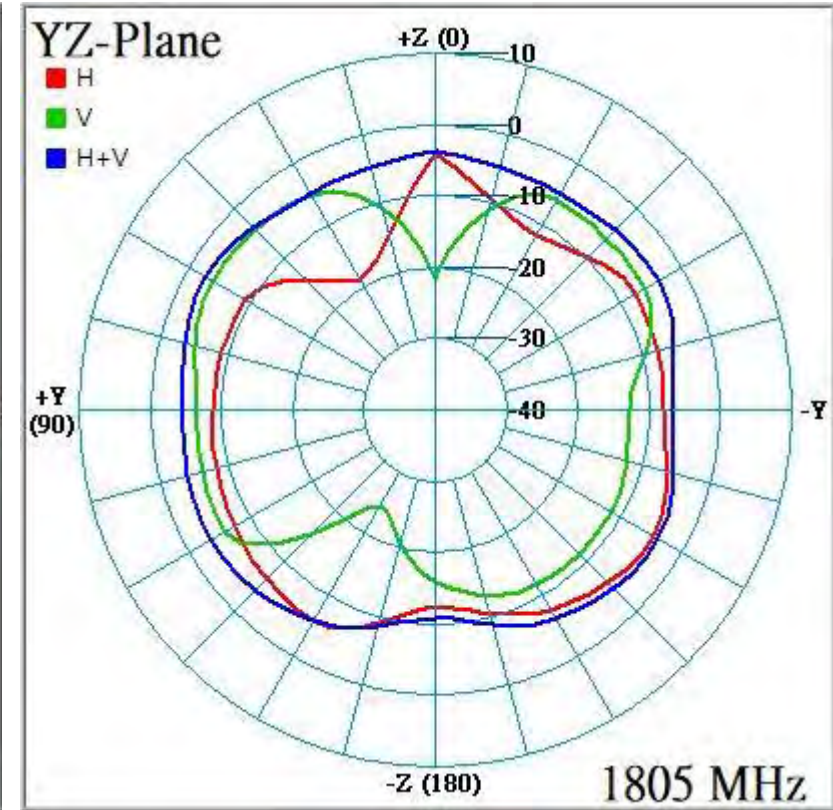
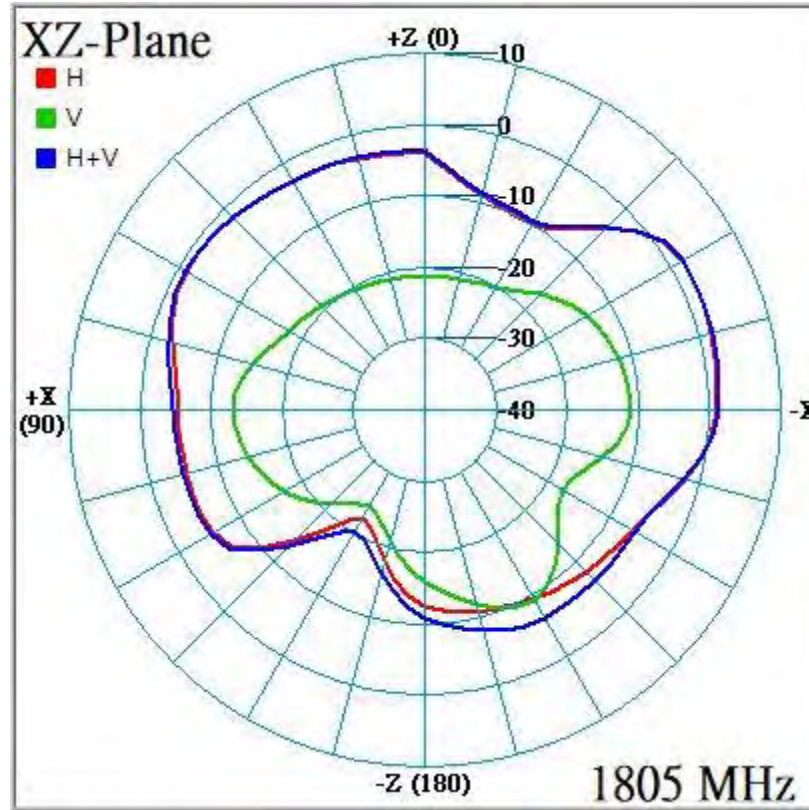
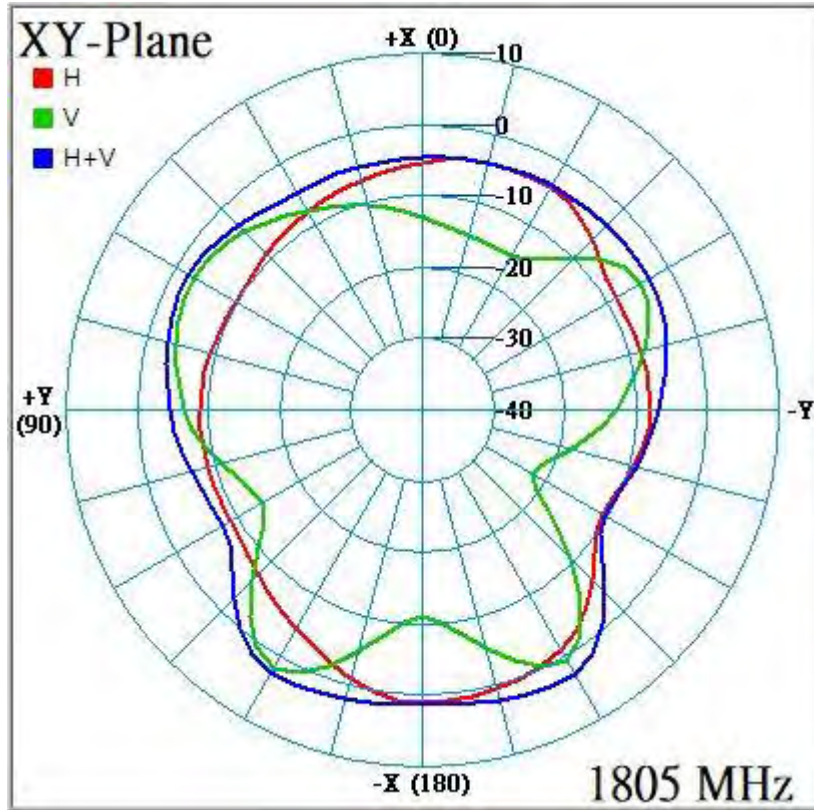
# Radiation characteristics of antenna loaded in Host Platform @ 1785MHz:

- ALL6Y-200000(LTE Main)



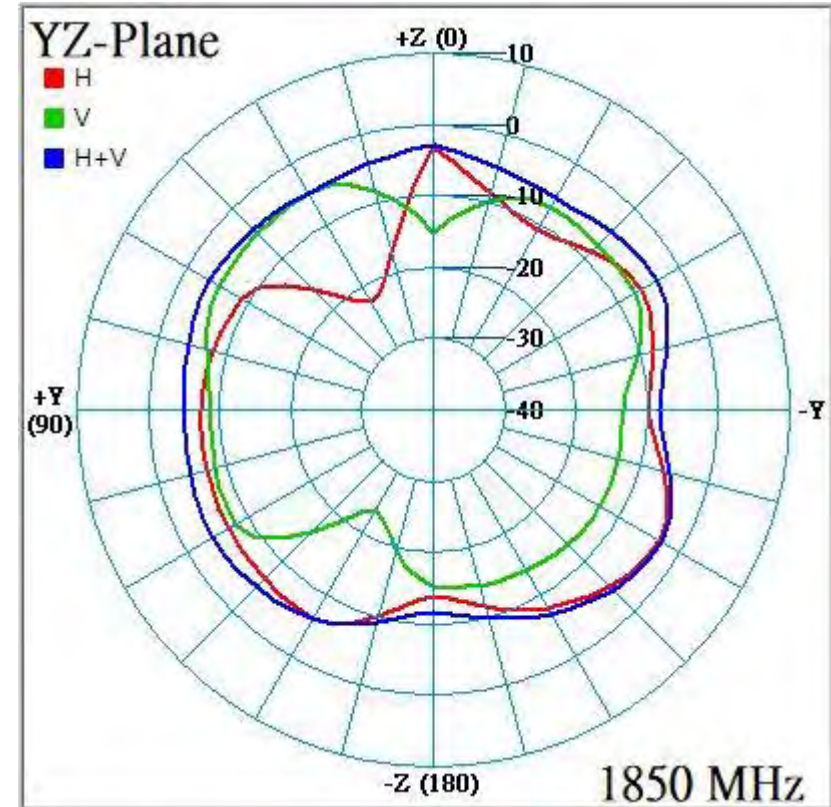
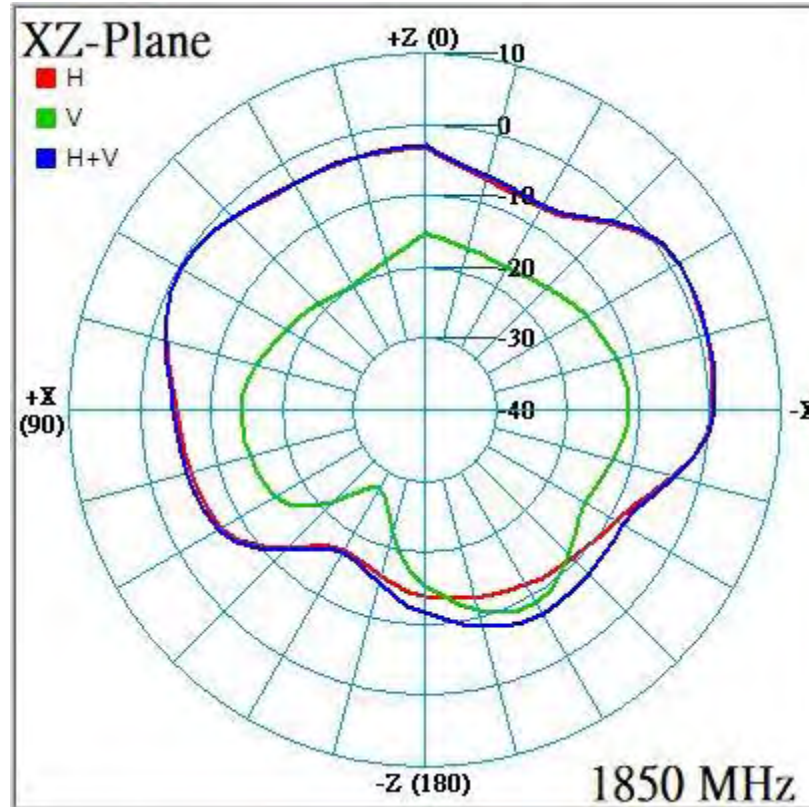
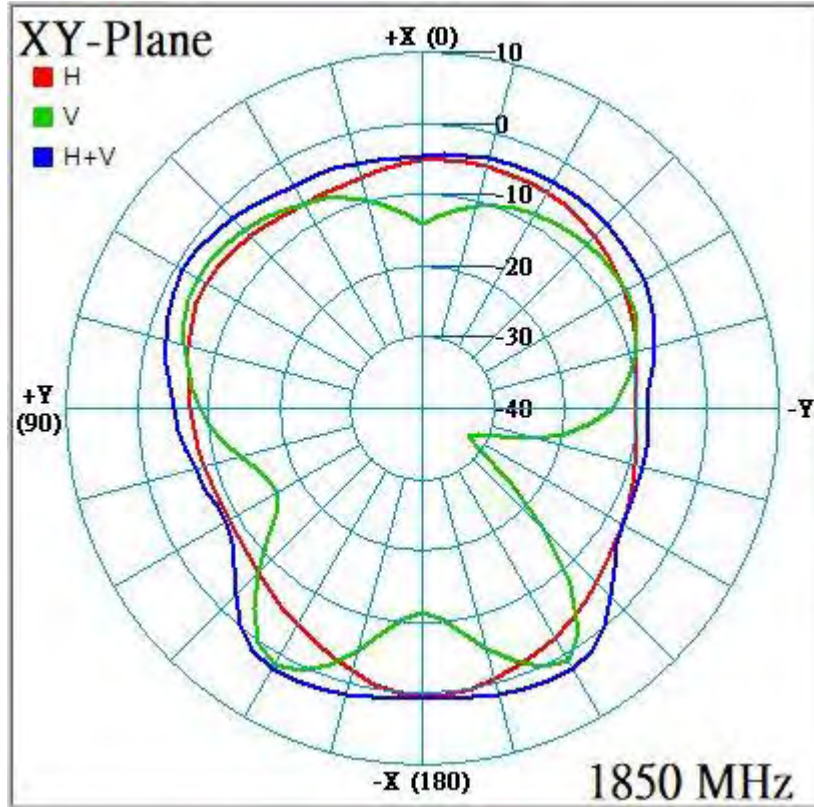
# Radiation characteristics of antenna loaded in Host Platform @ 1805MHz:

- ALL6Y-200000(LTE Main)



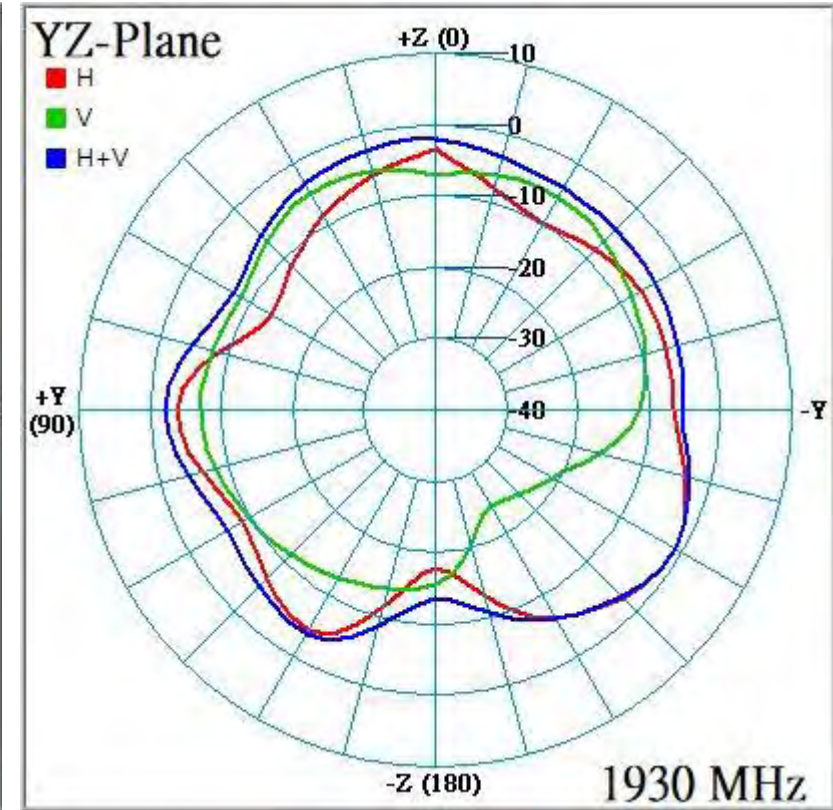
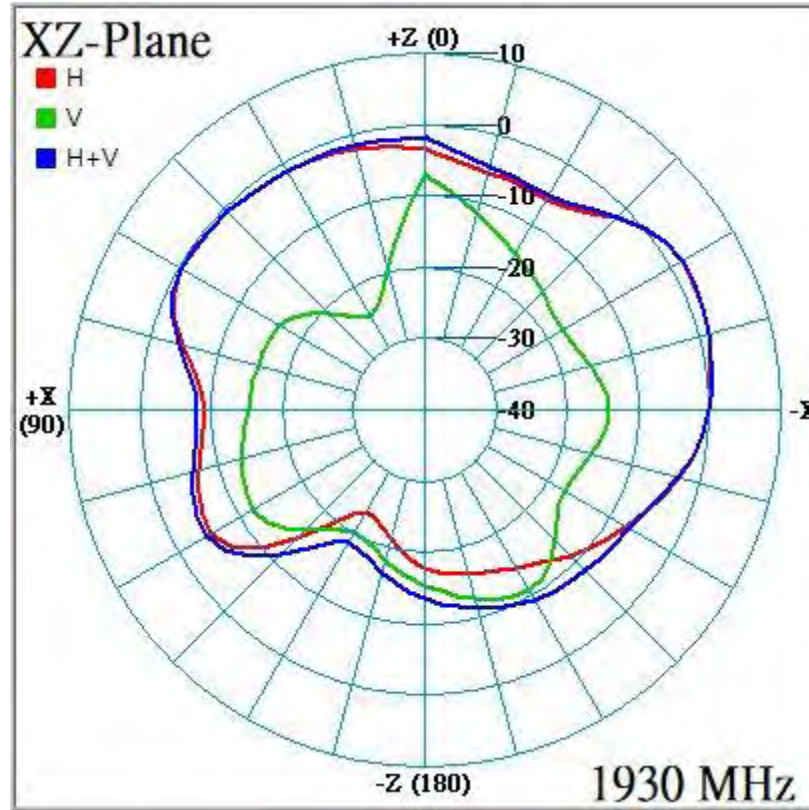
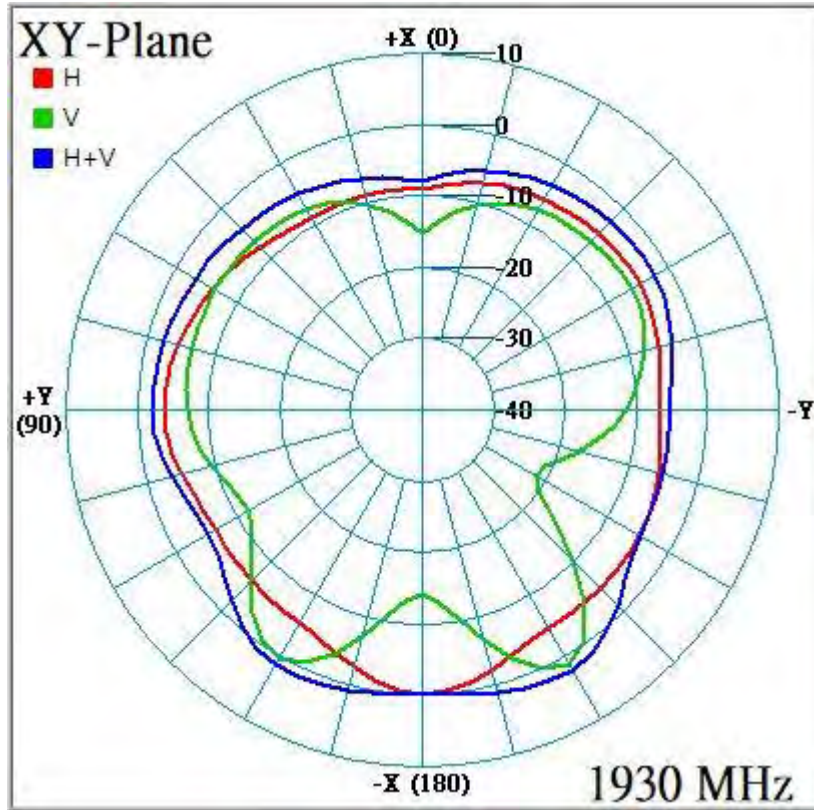
# Radiation characteristics of antenna loaded in Host Platform @ 1850MHz:

- ALL6Y-200000(LTE Main)



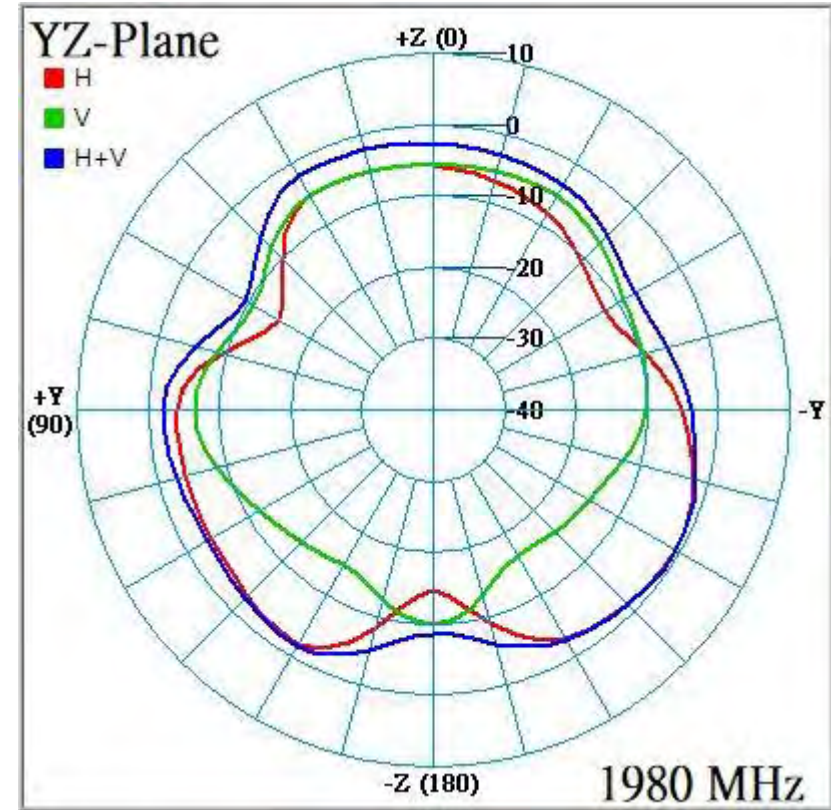
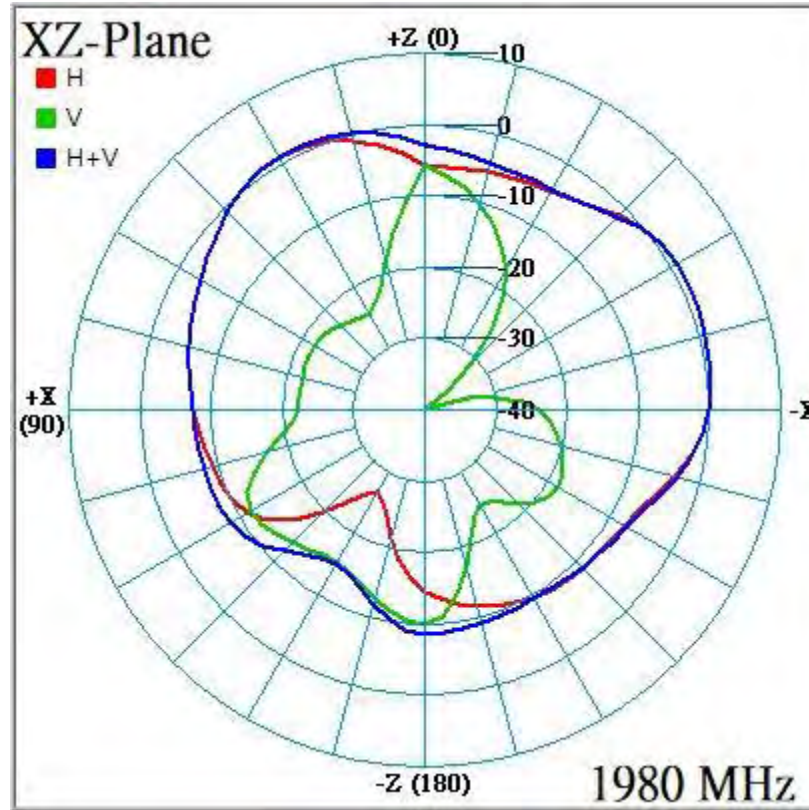
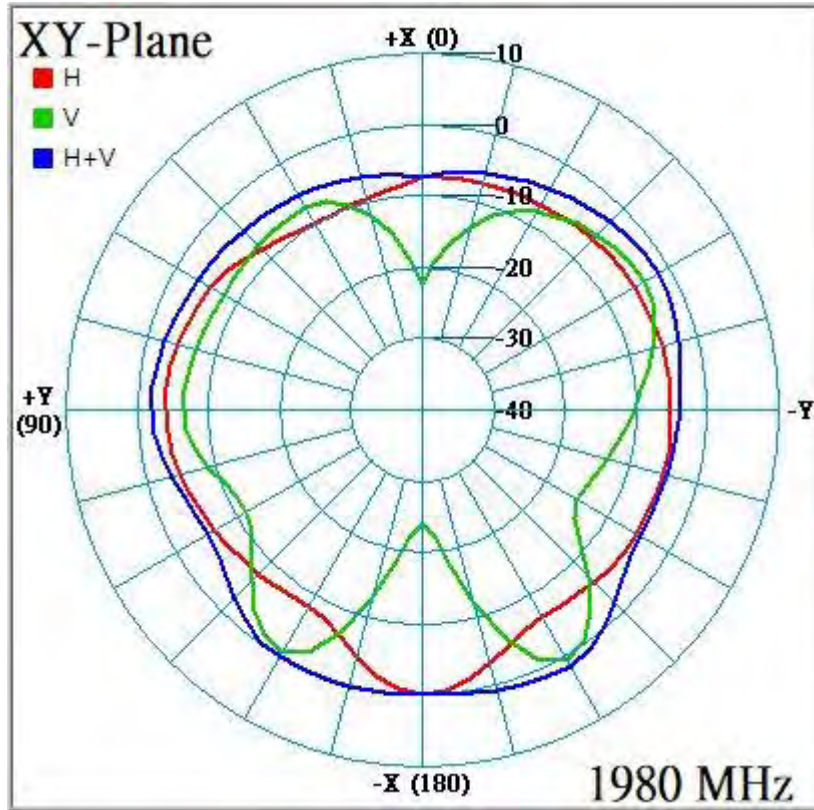
# Radiation characteristics of antenna loaded in Host Platform @ 1930MHz:

- ALL6Y-200000(LTE Main)



# Radiation characteristics of antenna loaded in Host Platform @ 1980MHz:

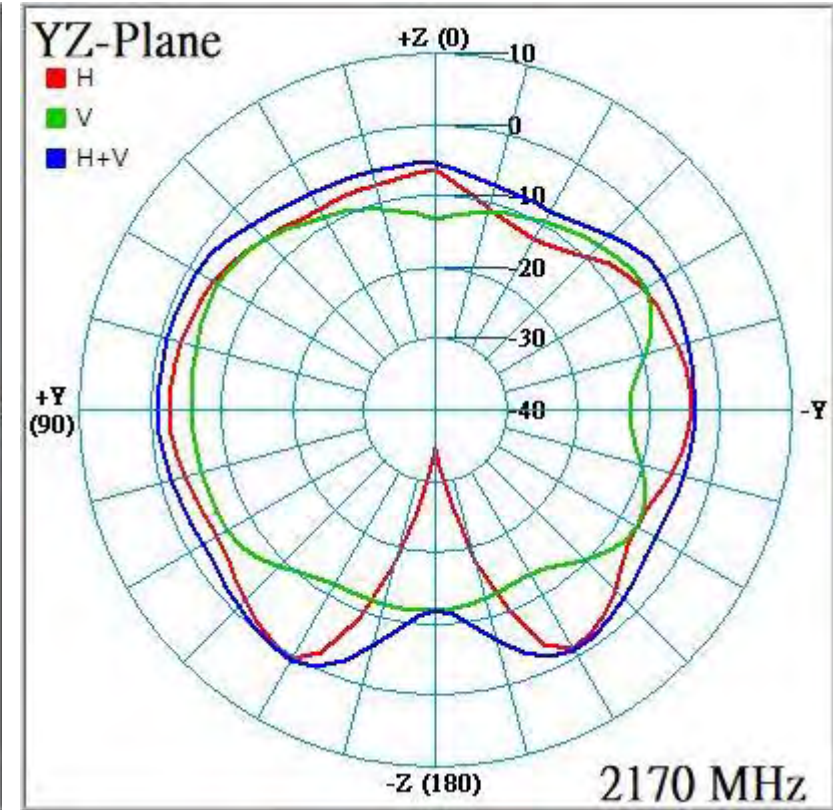
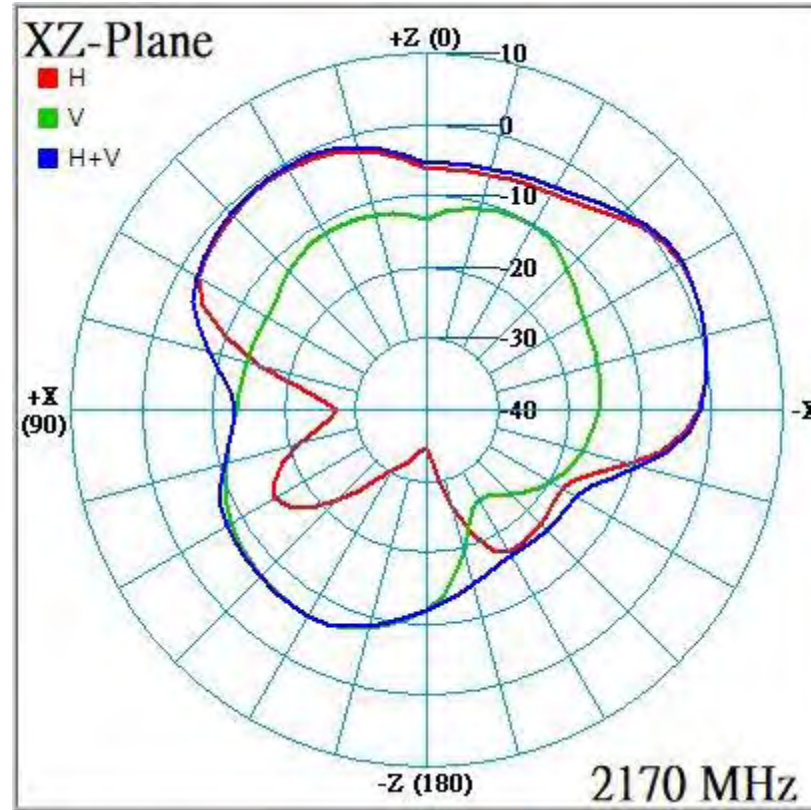
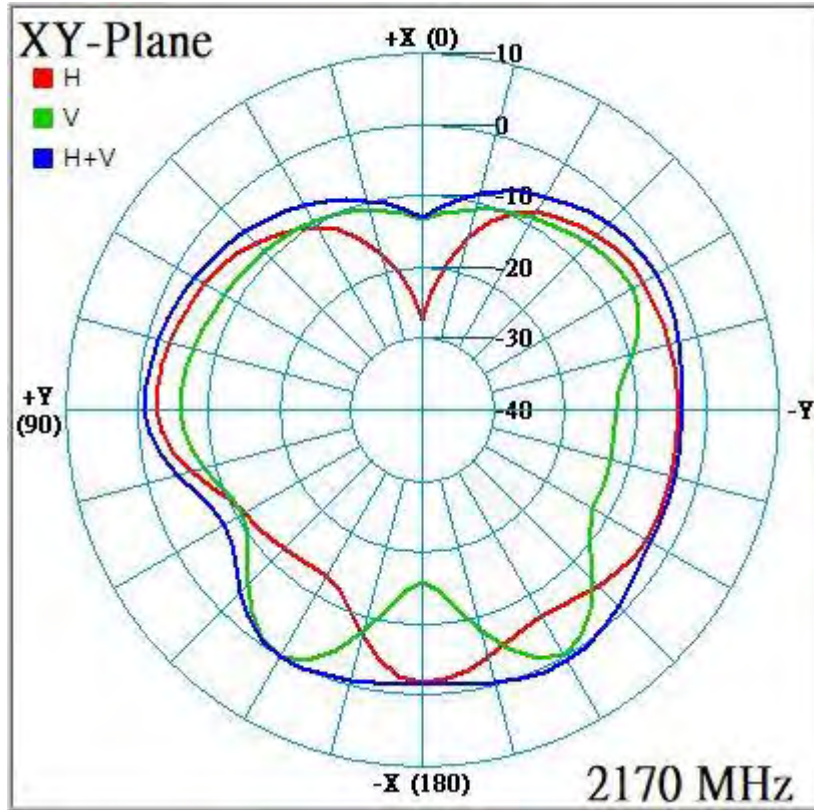
- ALL6Y-200000(LTE Main)





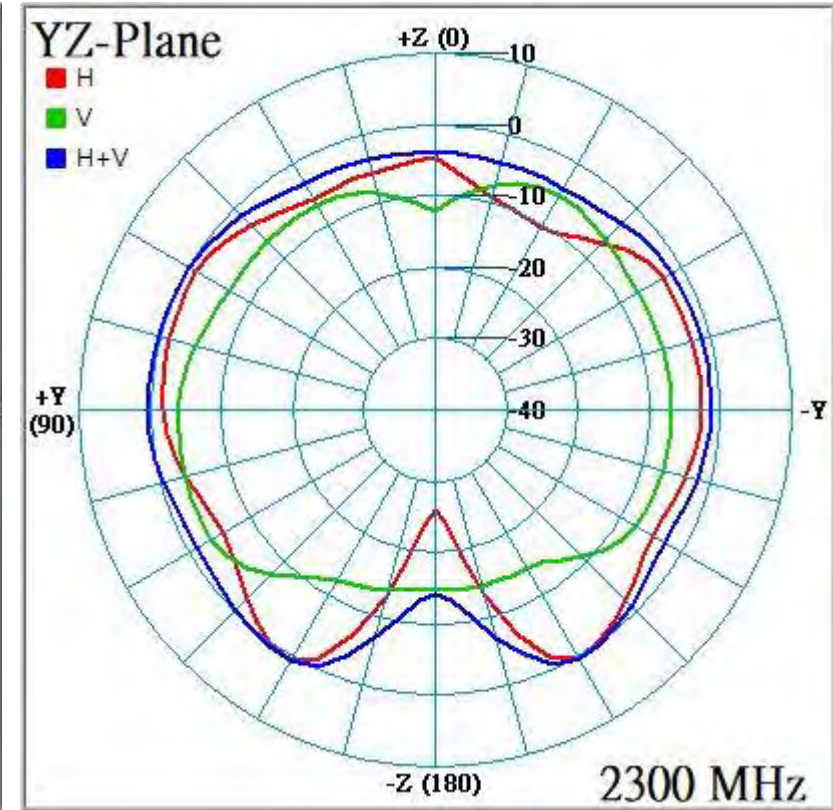
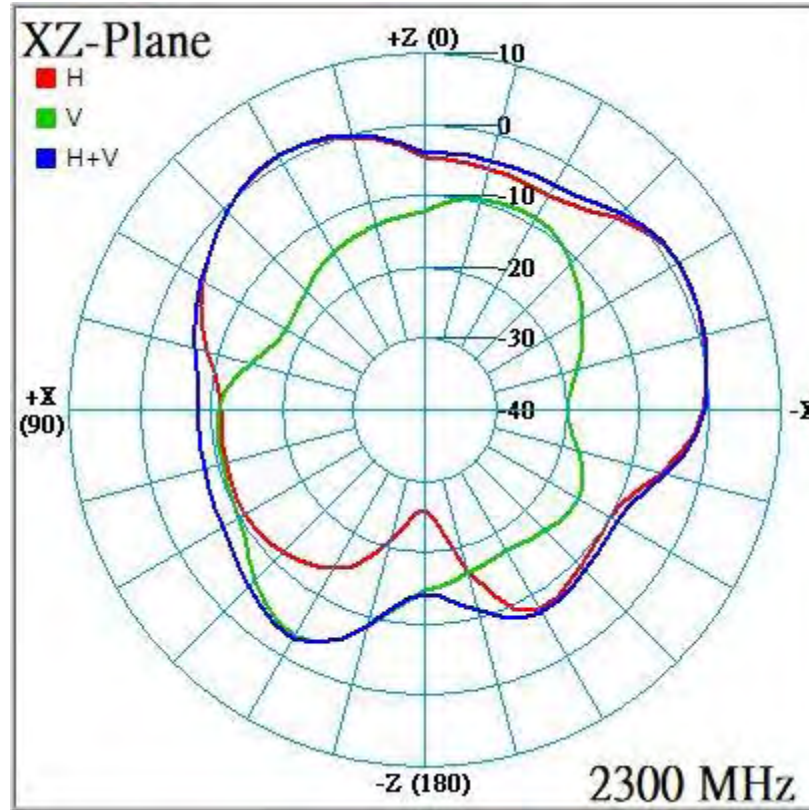
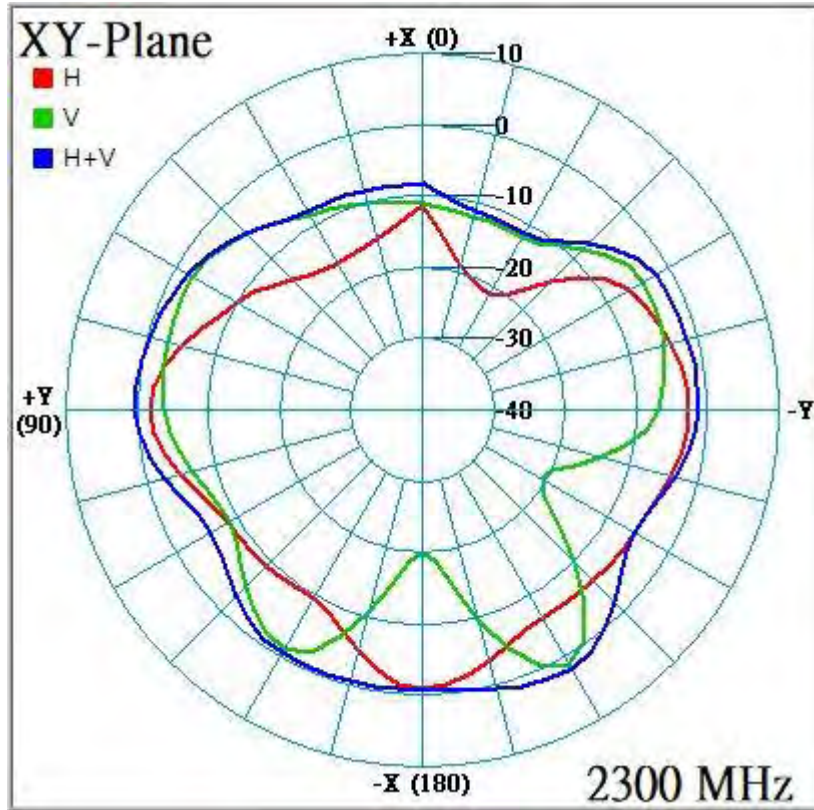
# Radiation characteristics of antenna loaded in Host Platform @ 2170MHz:

- ALL6Y-200000(LTE Main)



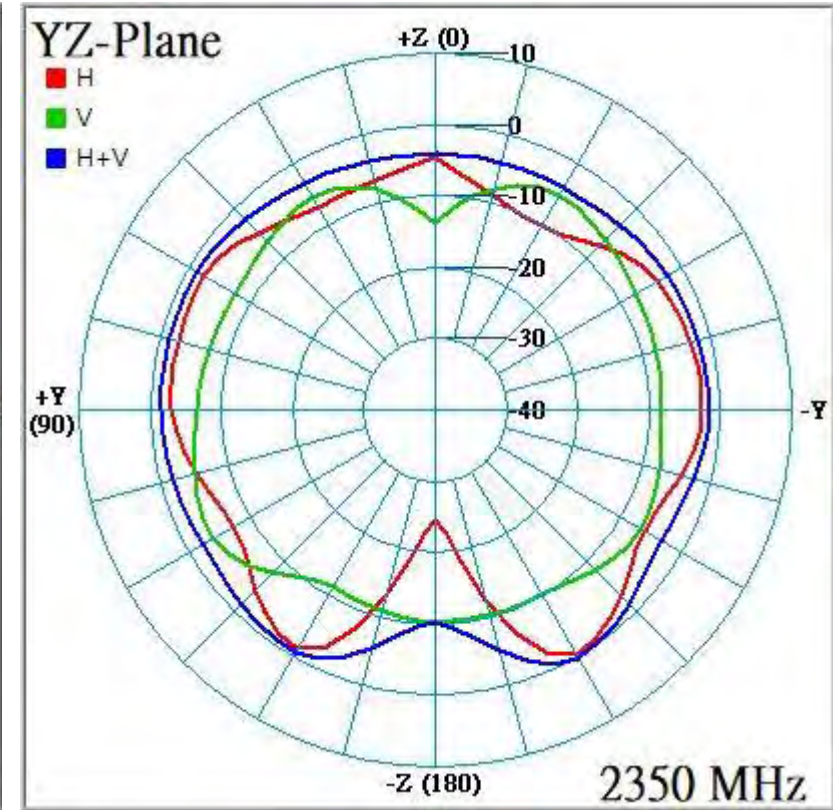
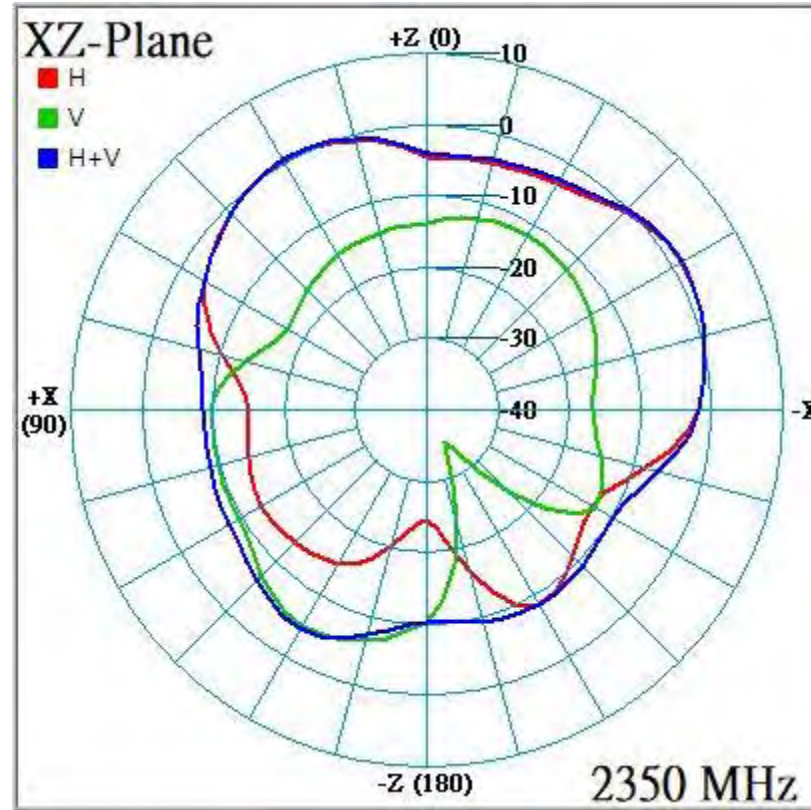
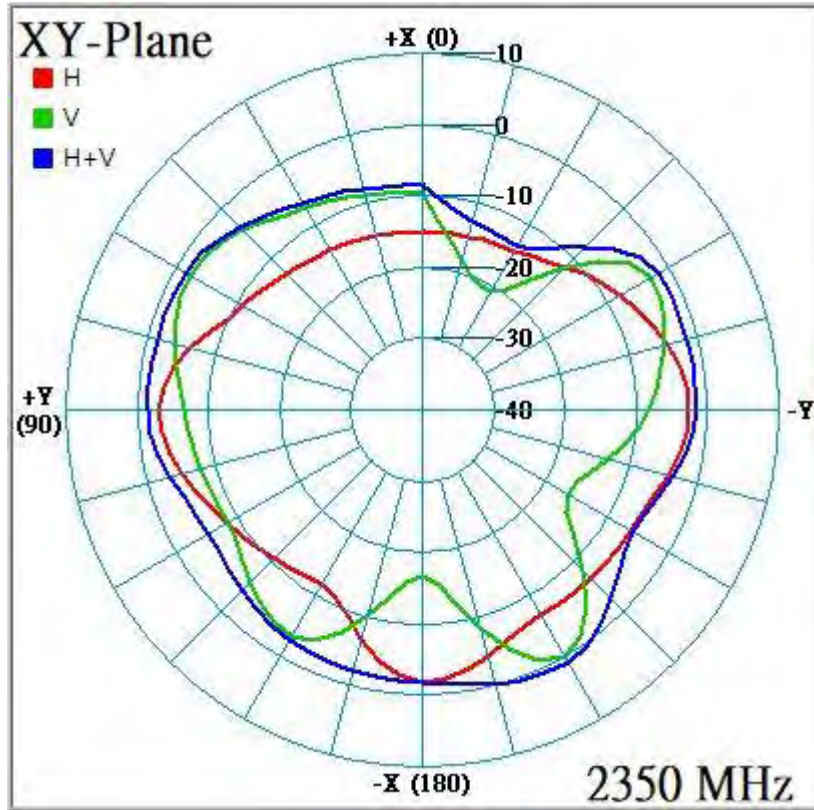
# Radiation characteristics of antenna loaded in Host Platform @ 2300MHz:

- ALL6Y-200000(LTE Main)



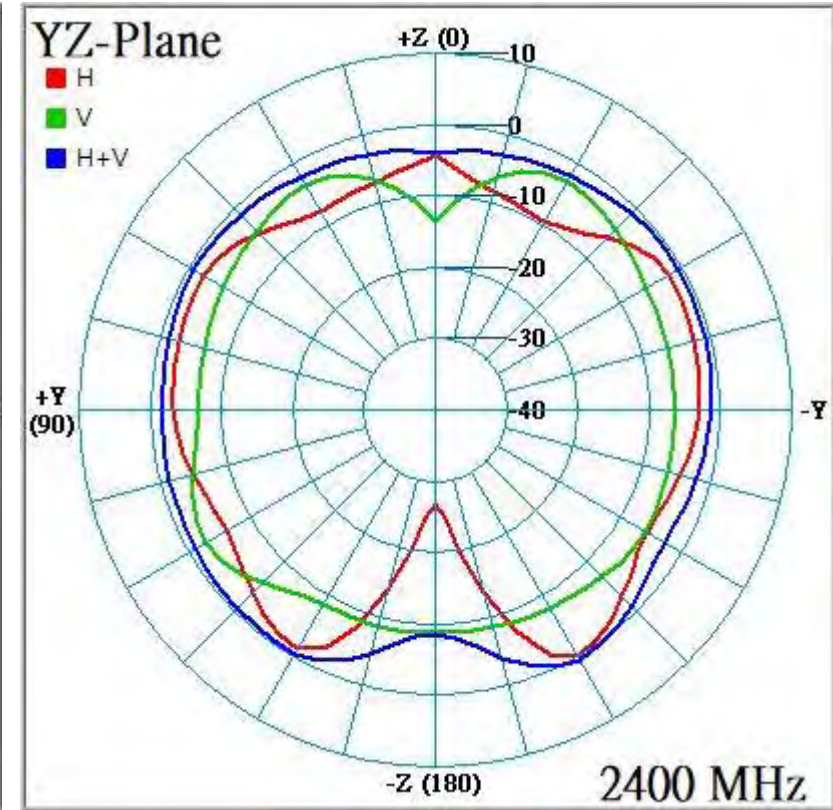
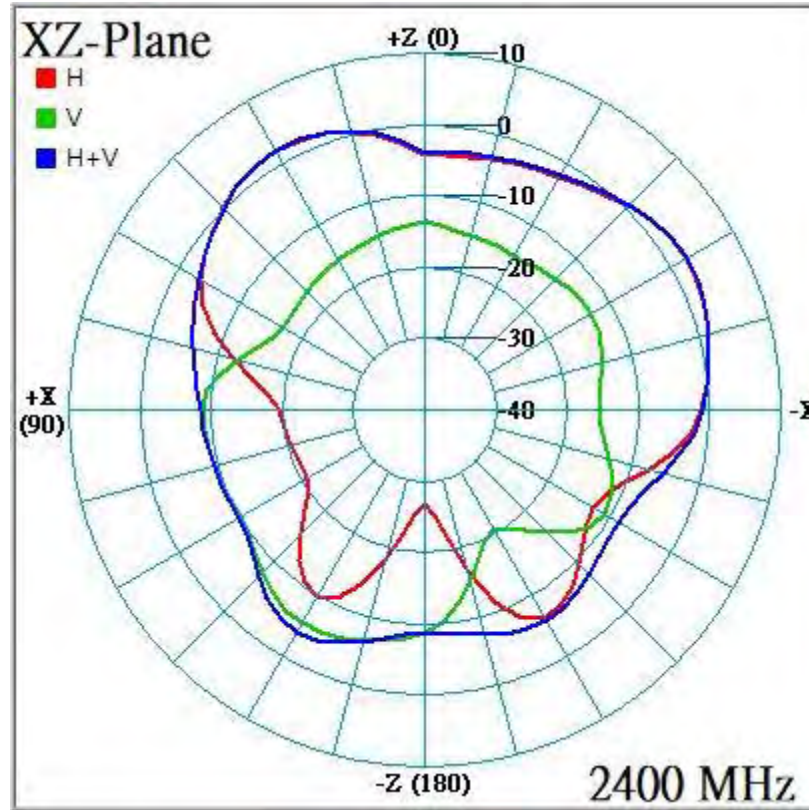
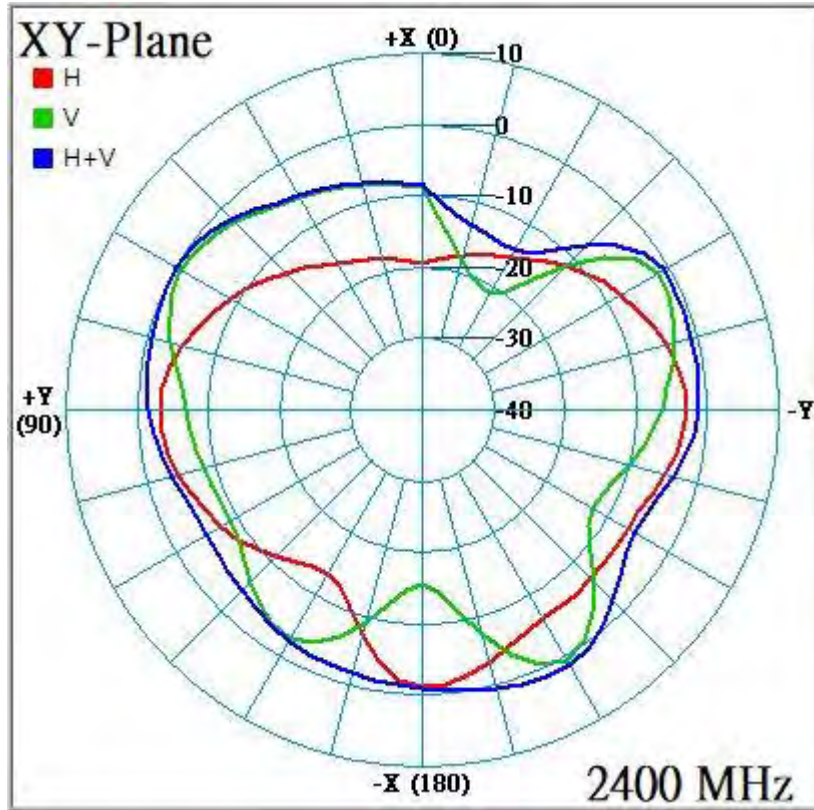
# Radiation characteristics of antenna loaded in Host Platform @ 2350MHz:

- ALL6Y-200000(LTE Main)



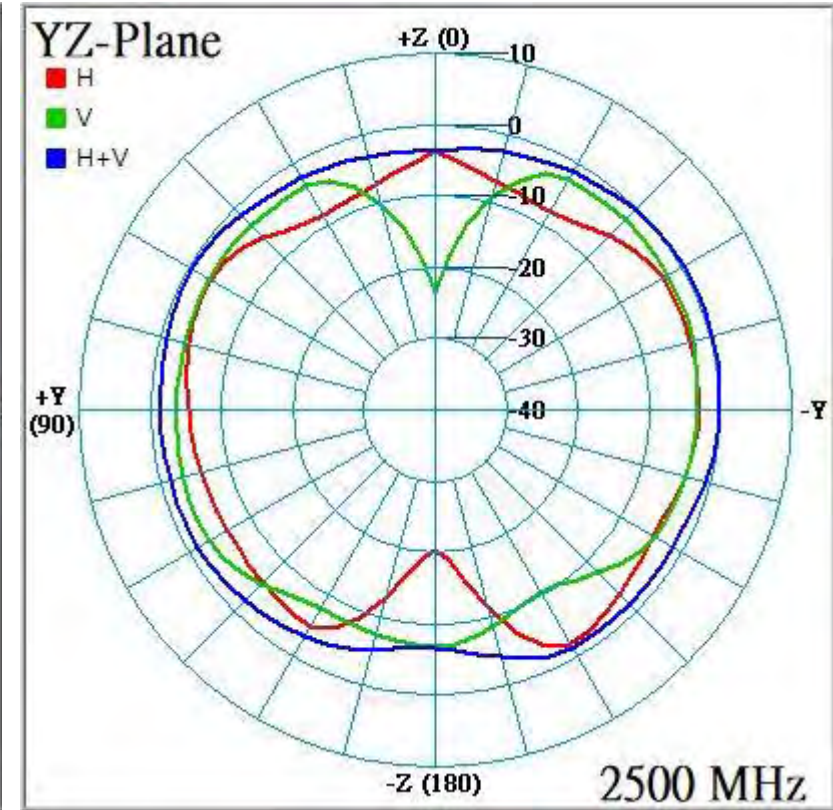
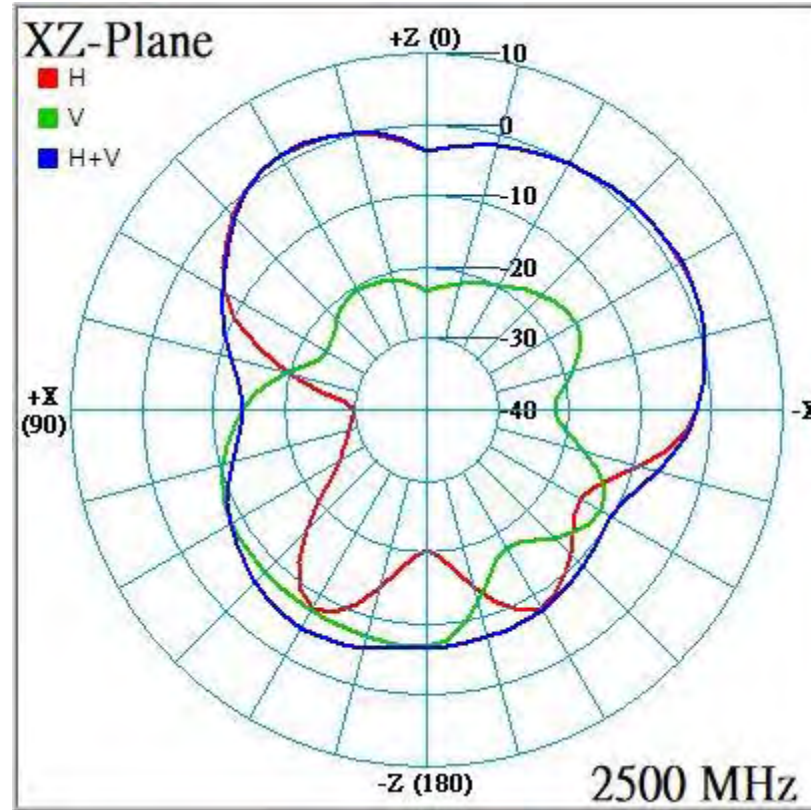
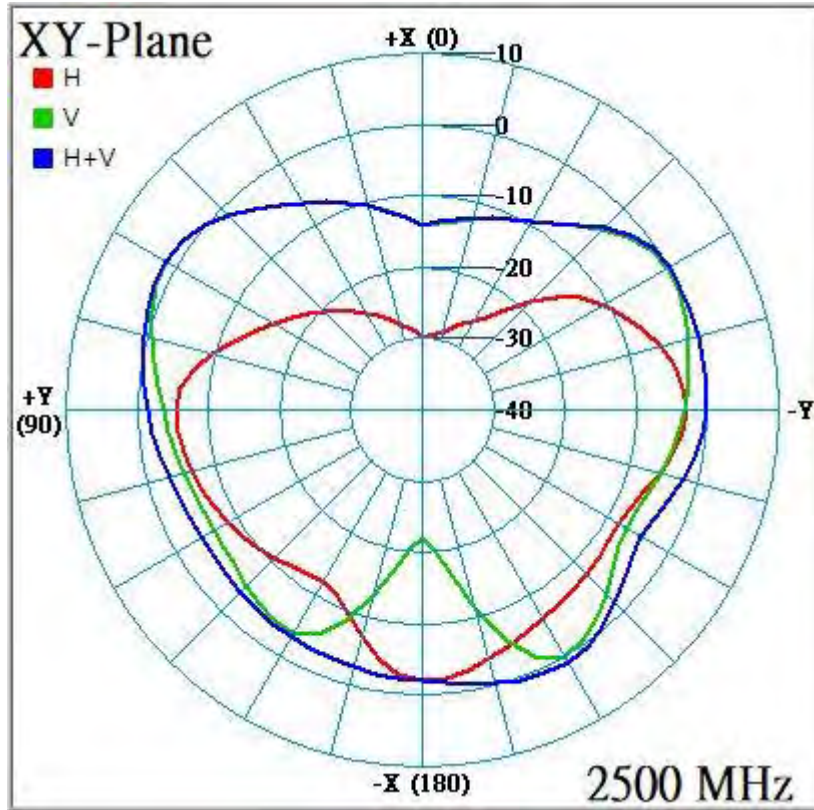
# Radiation characteristics of antenna loaded in Host Platform @ 2400MHz:

- ALL6Y-200000(LTE Main)



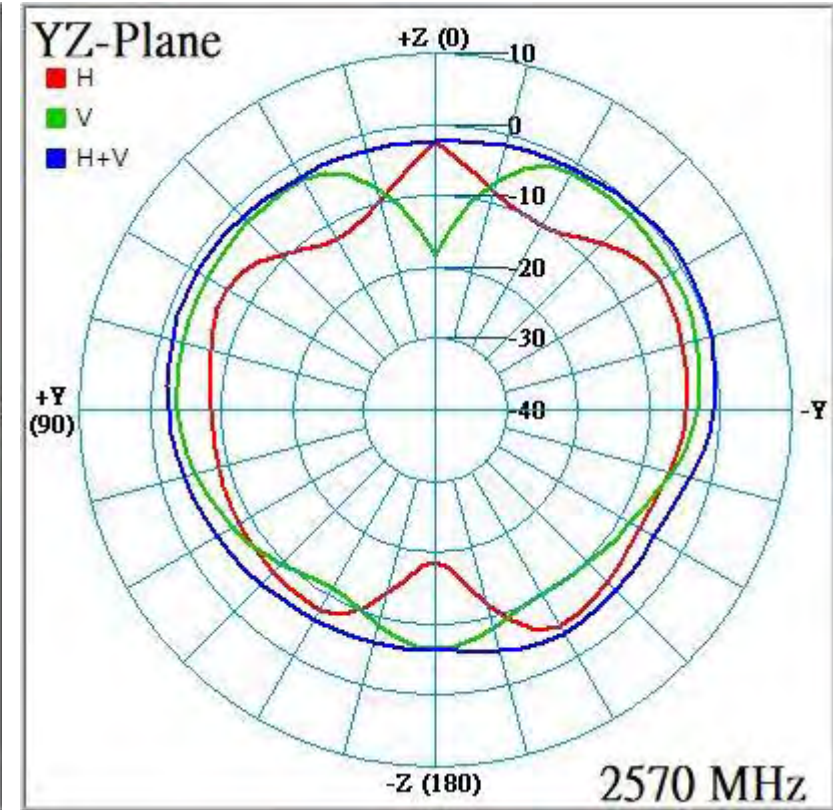
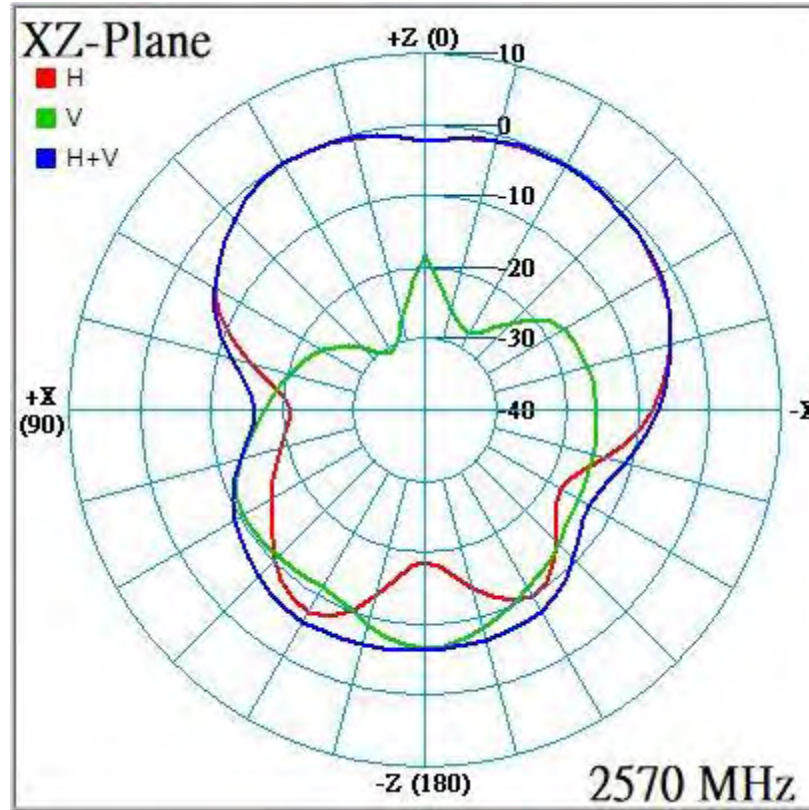
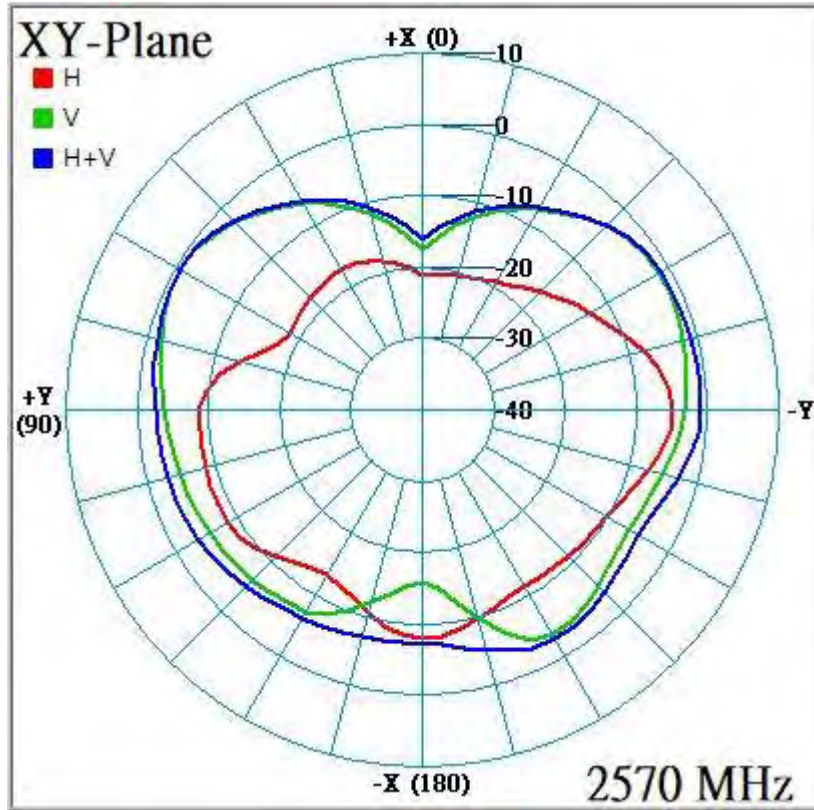
# Radiation characteristics of antenna loaded in Host Platform @ 2500MHz:

- ALL6Y-200000(LTE Main)



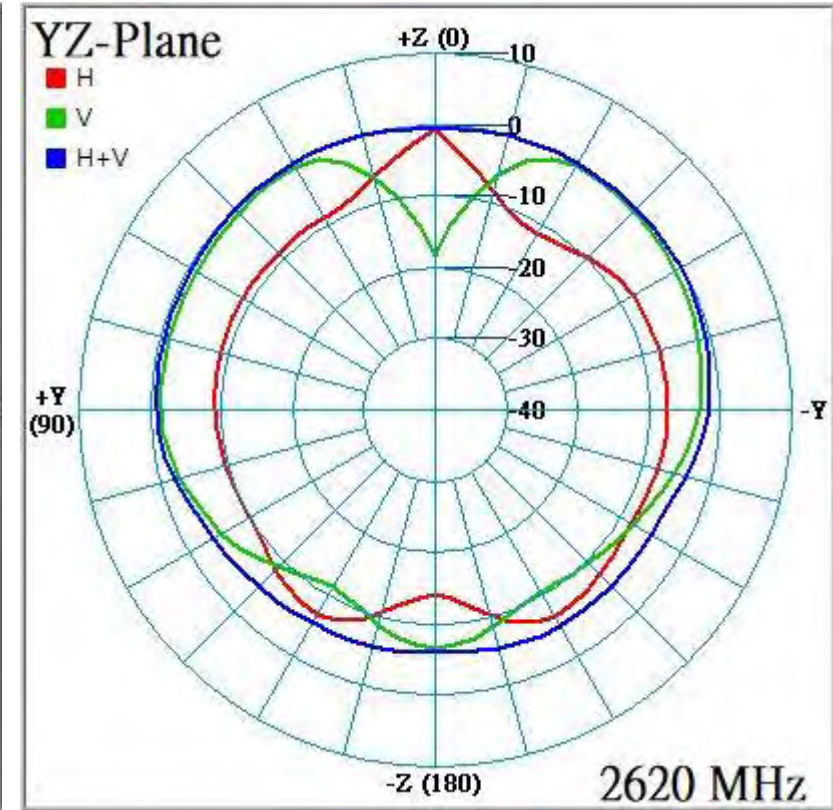
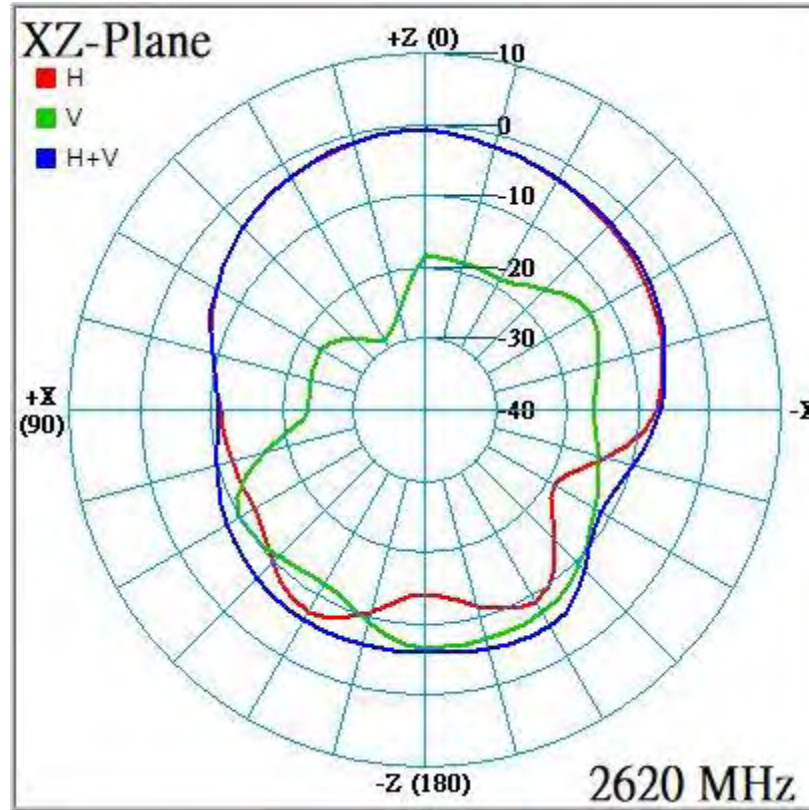
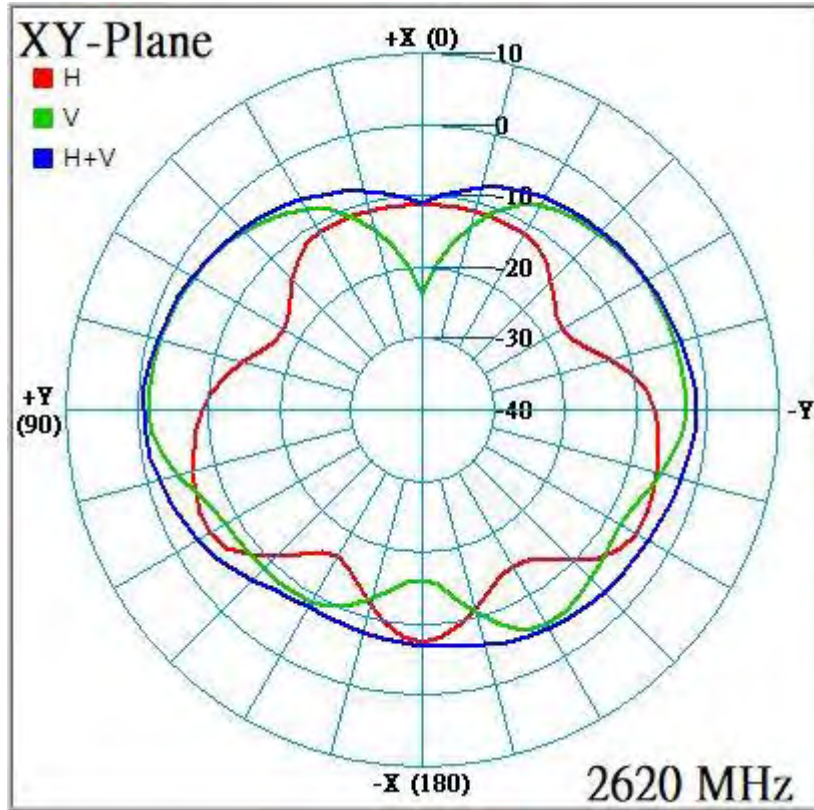
# Radiation characteristics of antenna loaded in Host Platform @ 2570MHz:

- ALL6Y-200000(LTE Main)



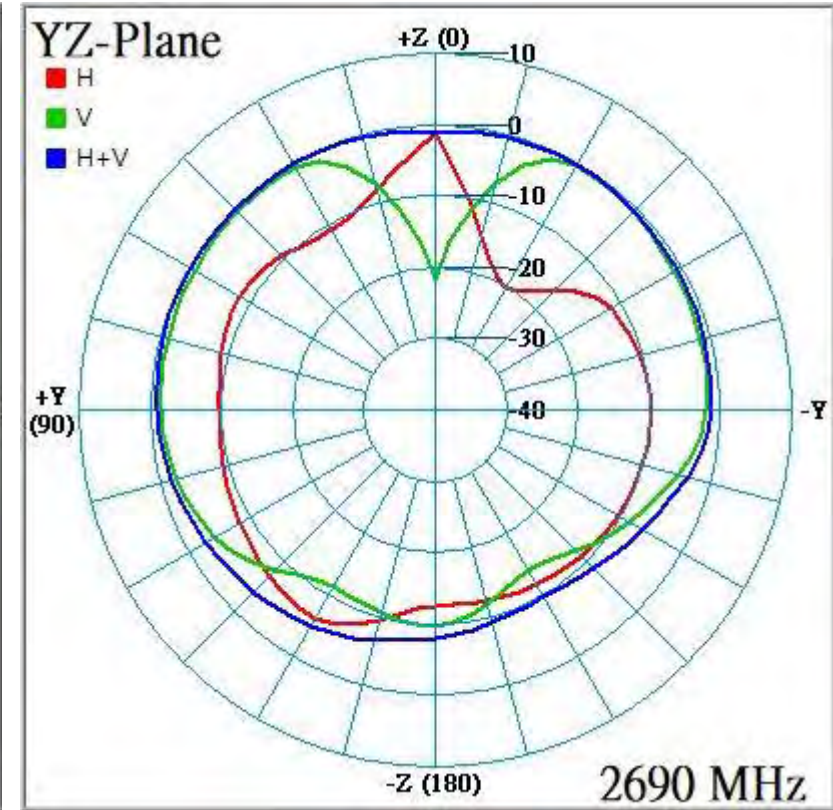
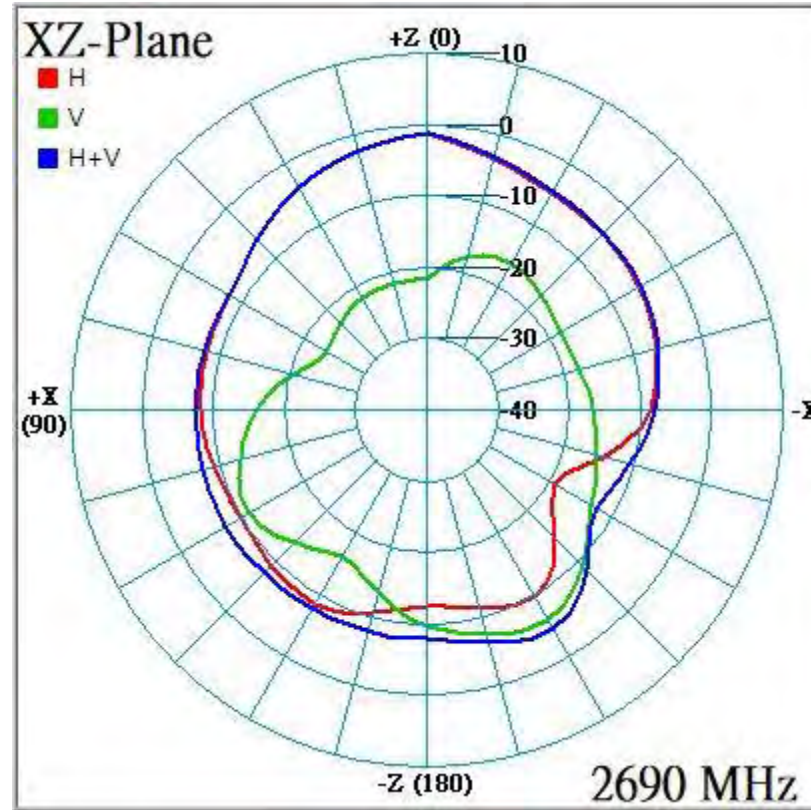
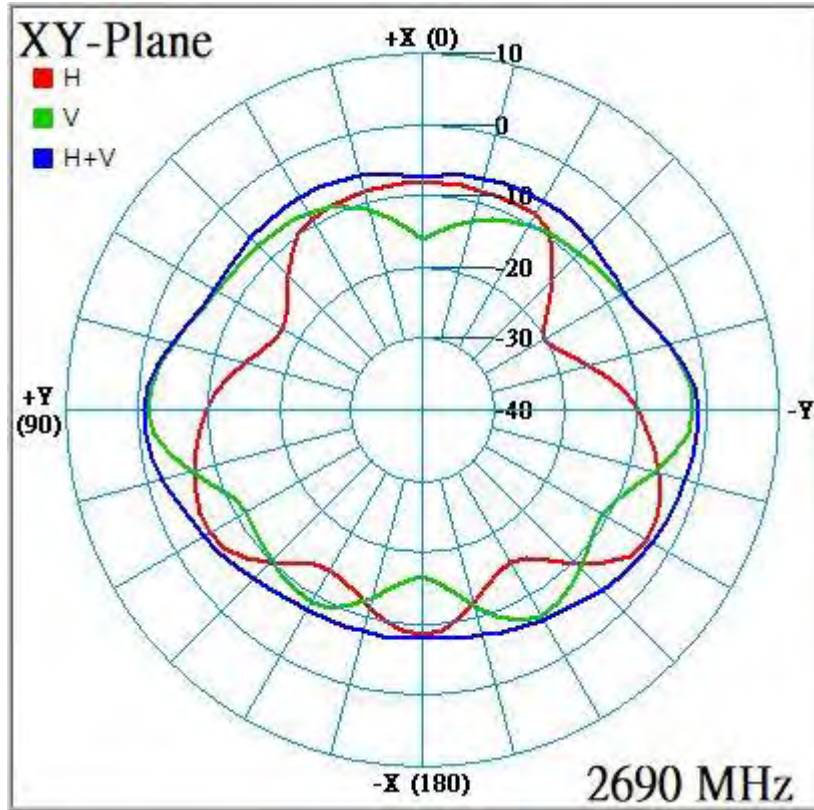
# Radiation characteristics of antenna loaded in Host Platform @ 2620MHz:

- ALL6Y-200000(LTE Main)



# Radiation characteristics of antenna loaded in Host Platform @ 2690MHz:

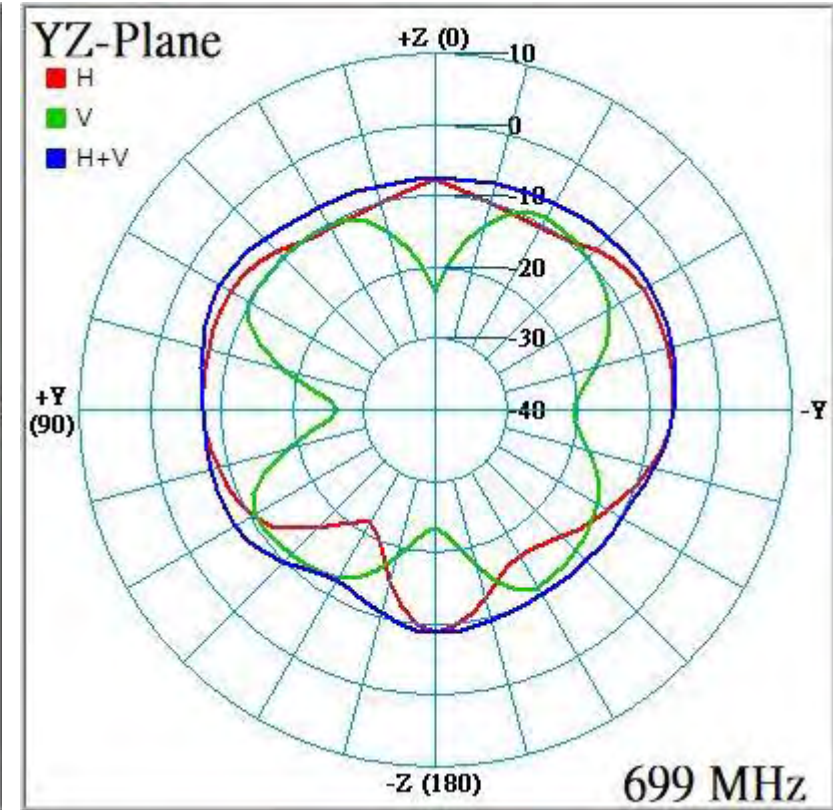
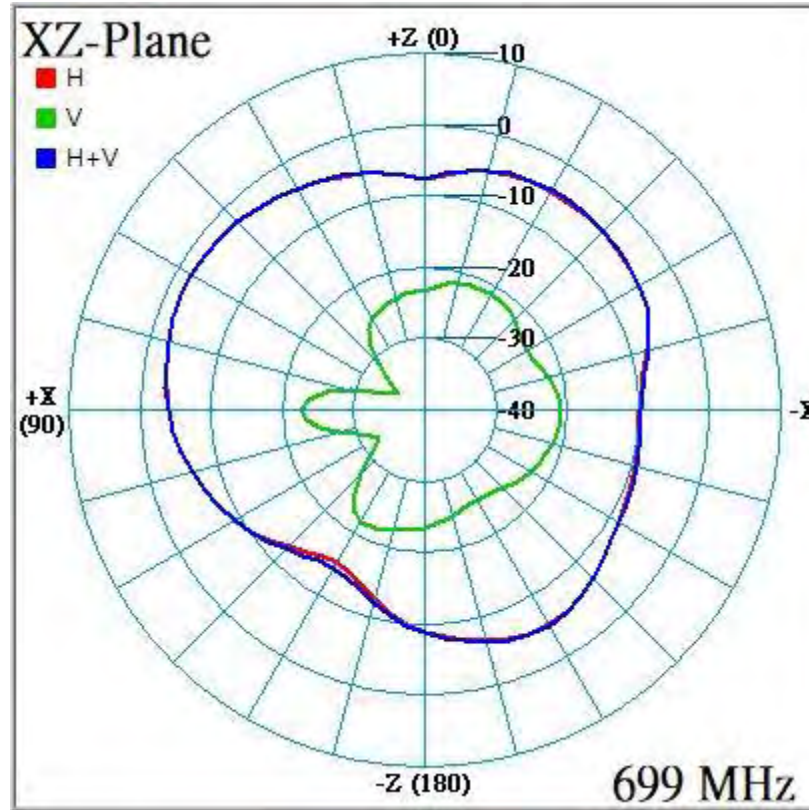
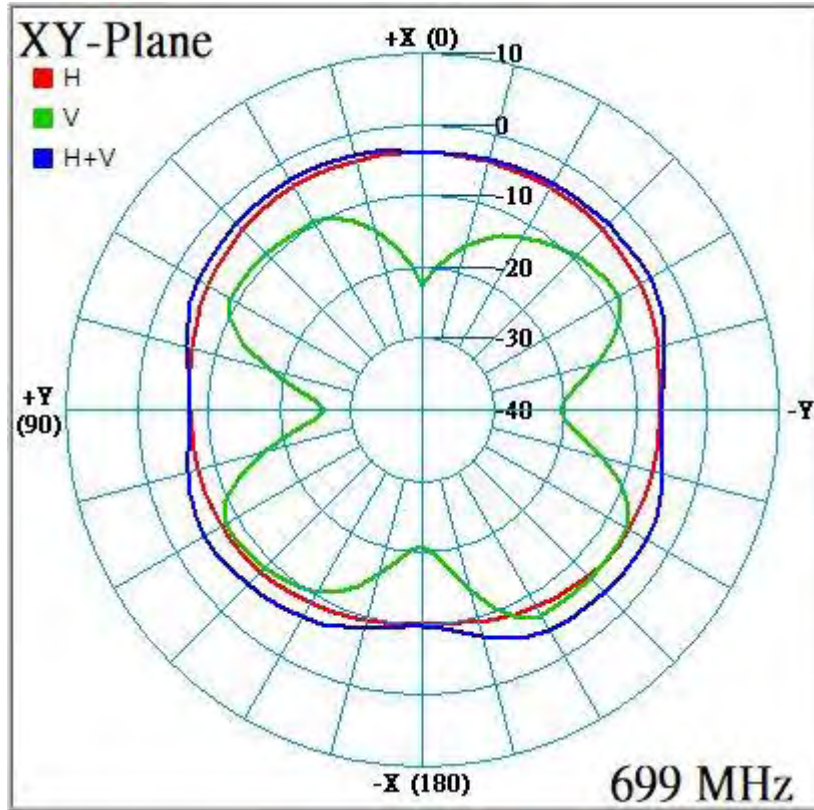
- ALL6Y-200000(LTE Main)





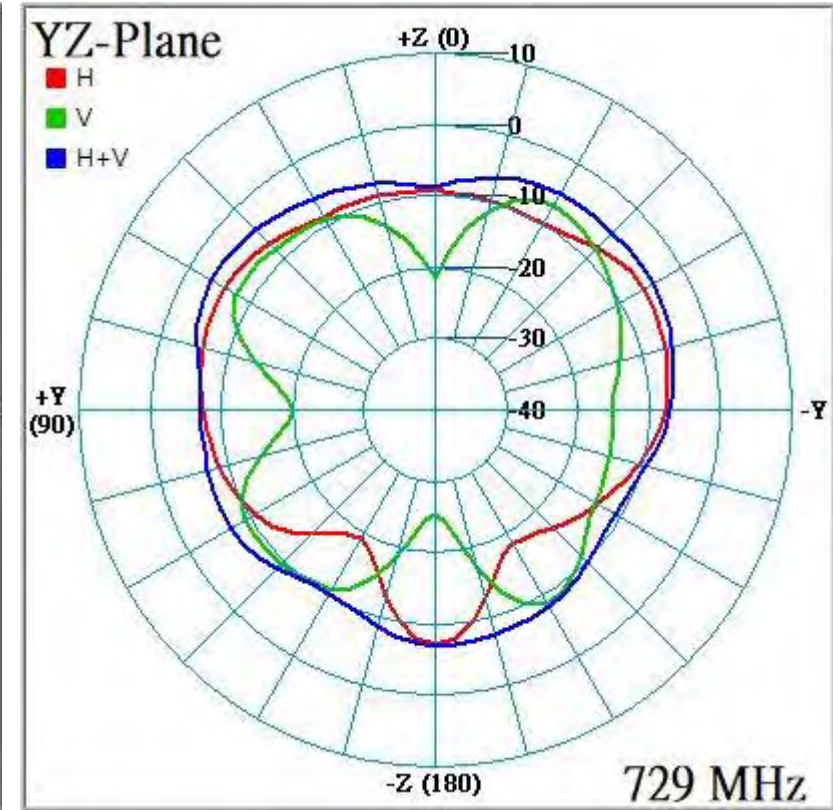
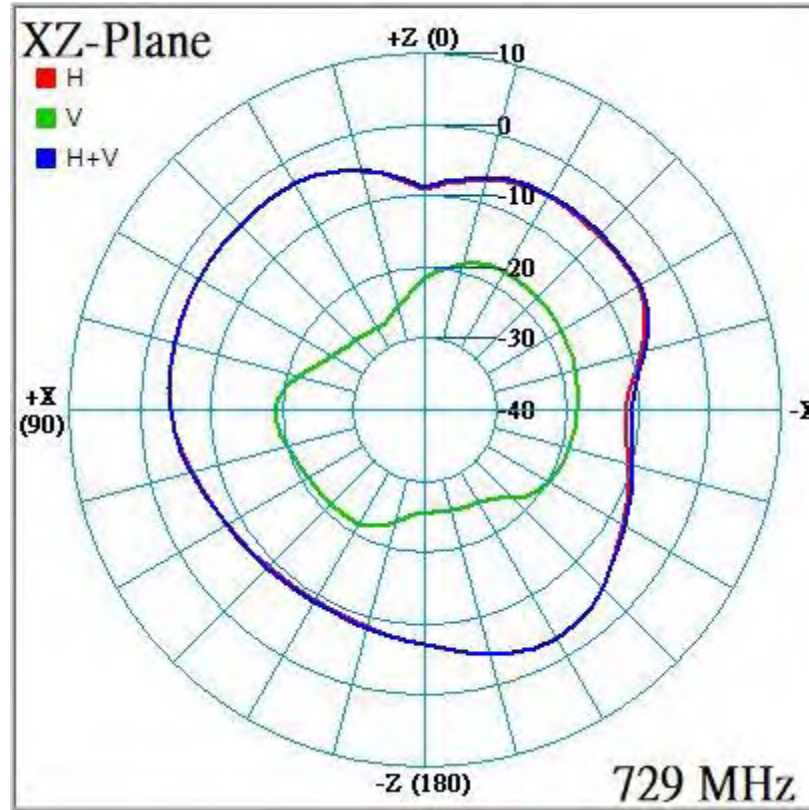
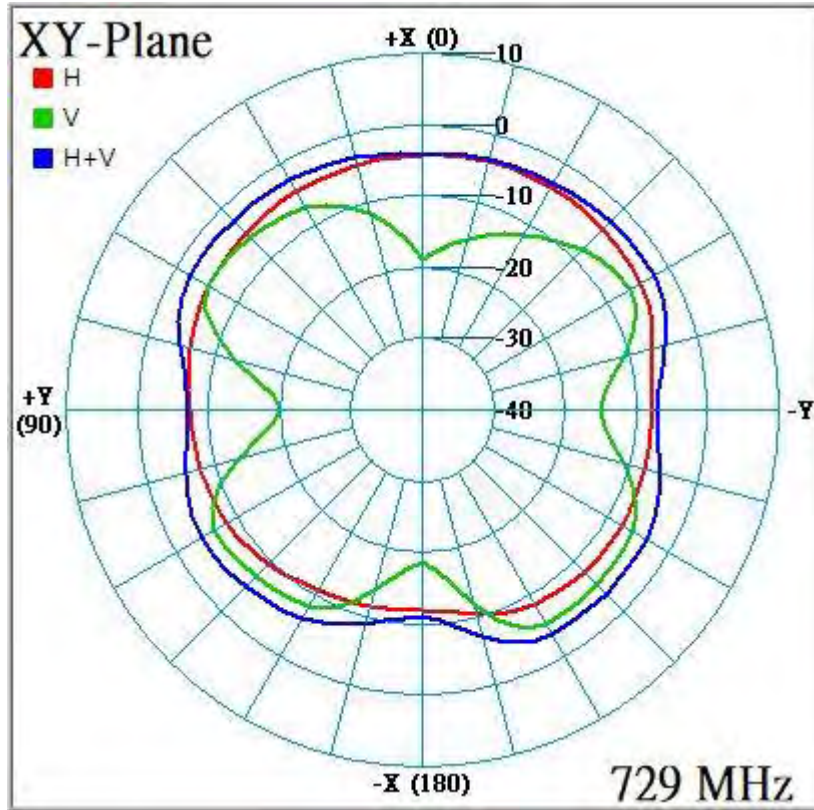
# Radiation characteristics of antenna loaded in Host Platform @ 699MHz:

- ALP6Y-100003(LTE Aux)



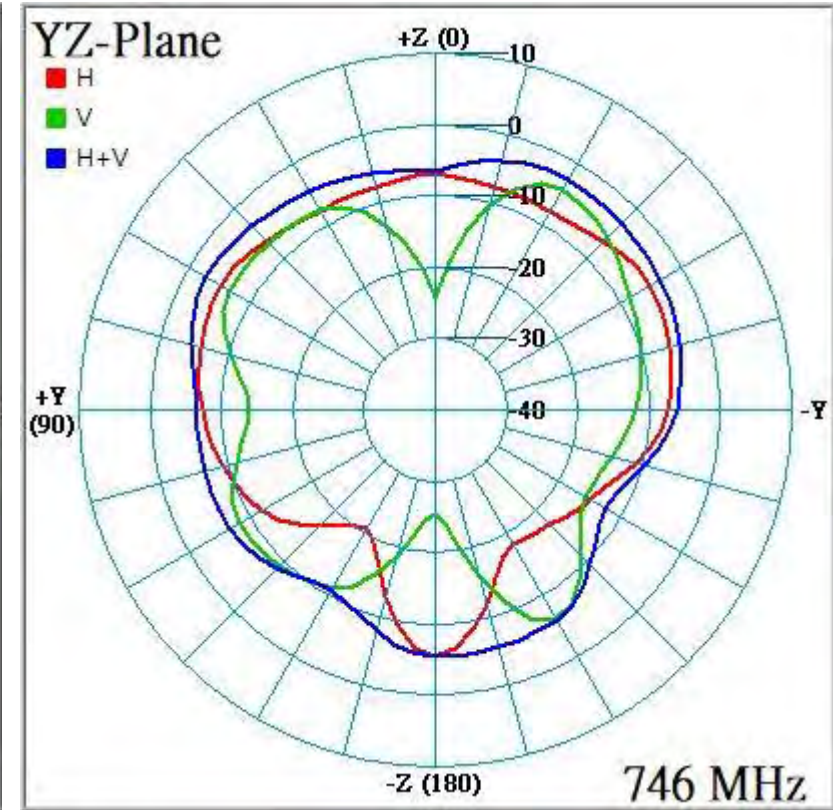
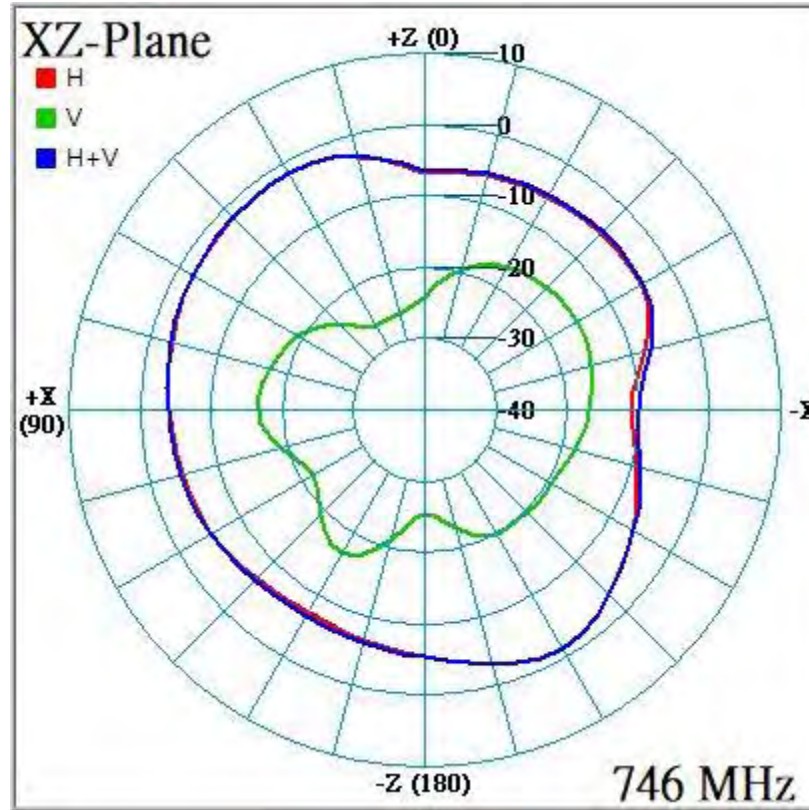
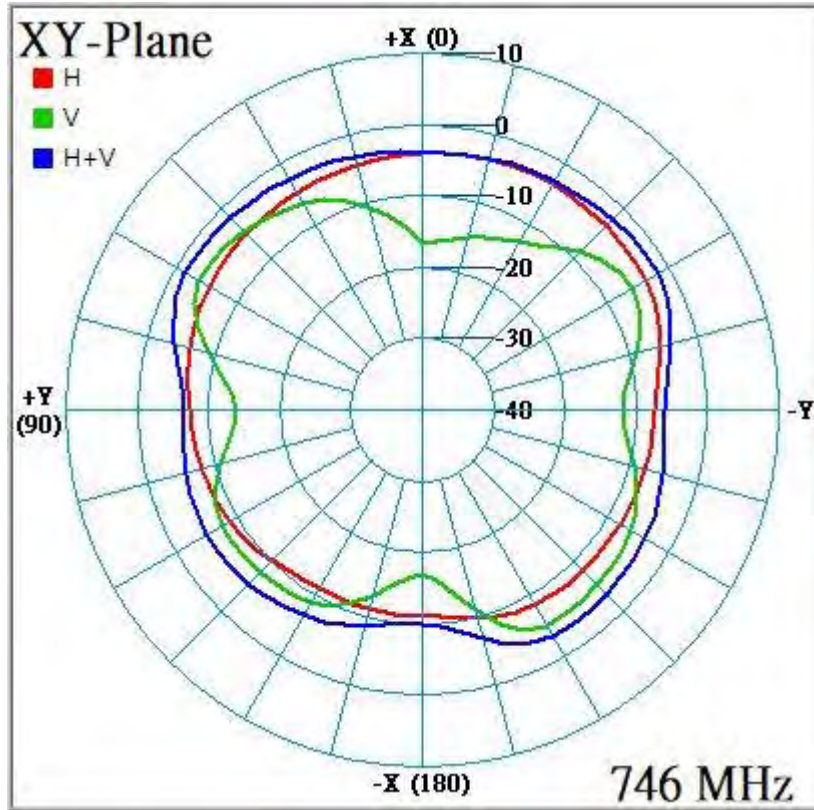
# Radiation characteristics of antenna loaded in Host Platform @ 729MHz:

- ALP6Y-100003(LTE Aux)



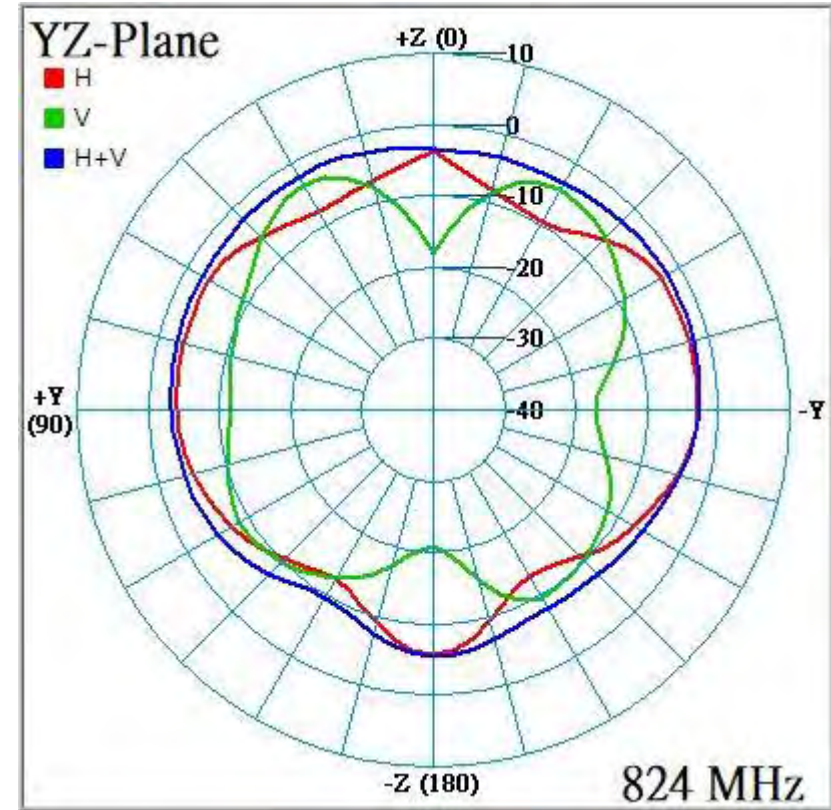
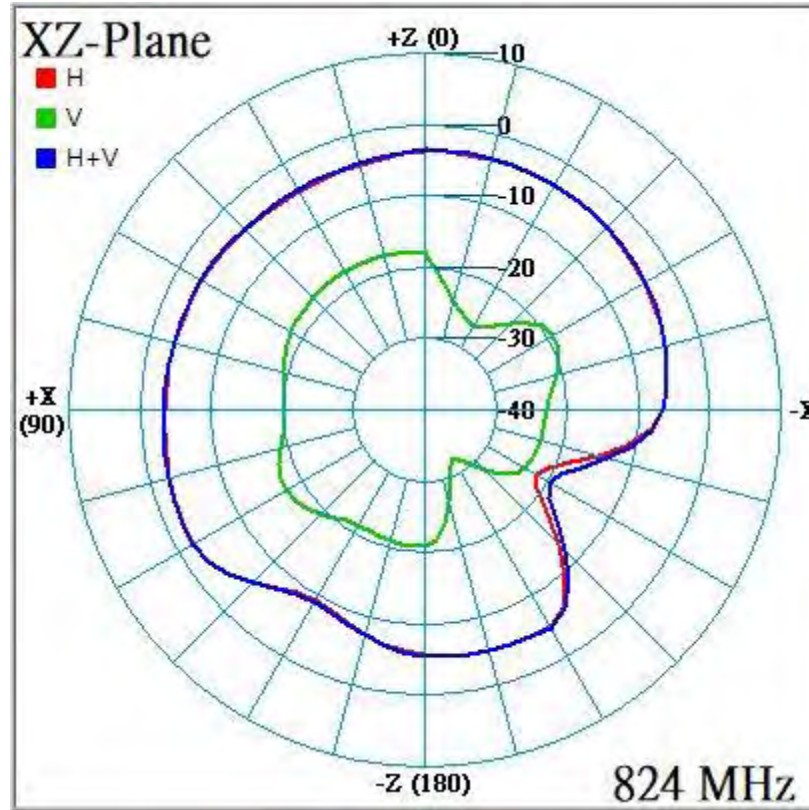
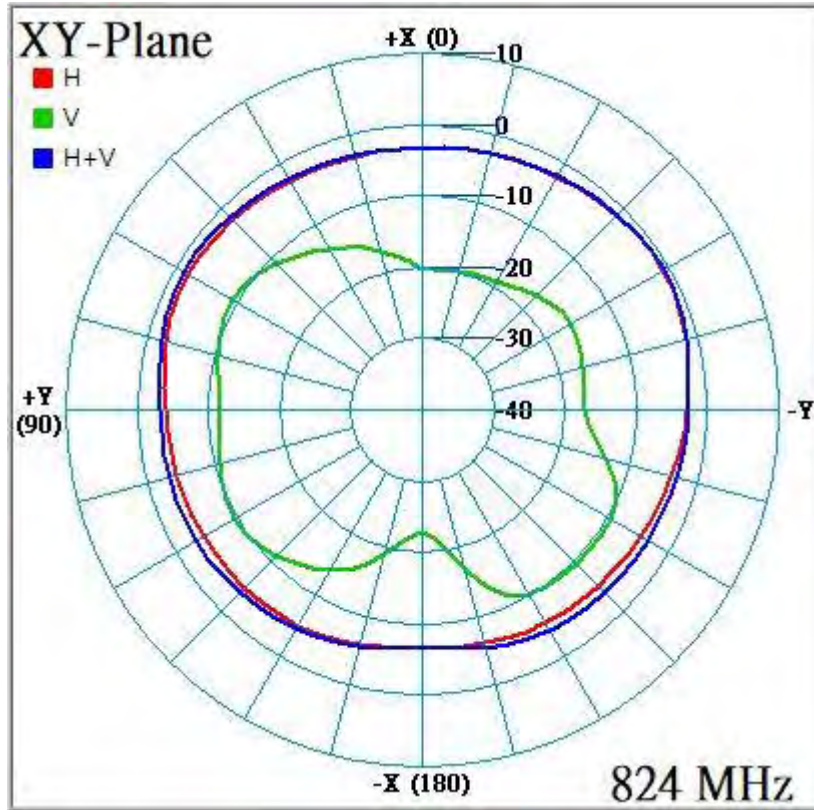
# Radiation characteristics of antenna loaded in Host Platform @ 746MHz:

- ALP6Y-100003(LTE Aux)



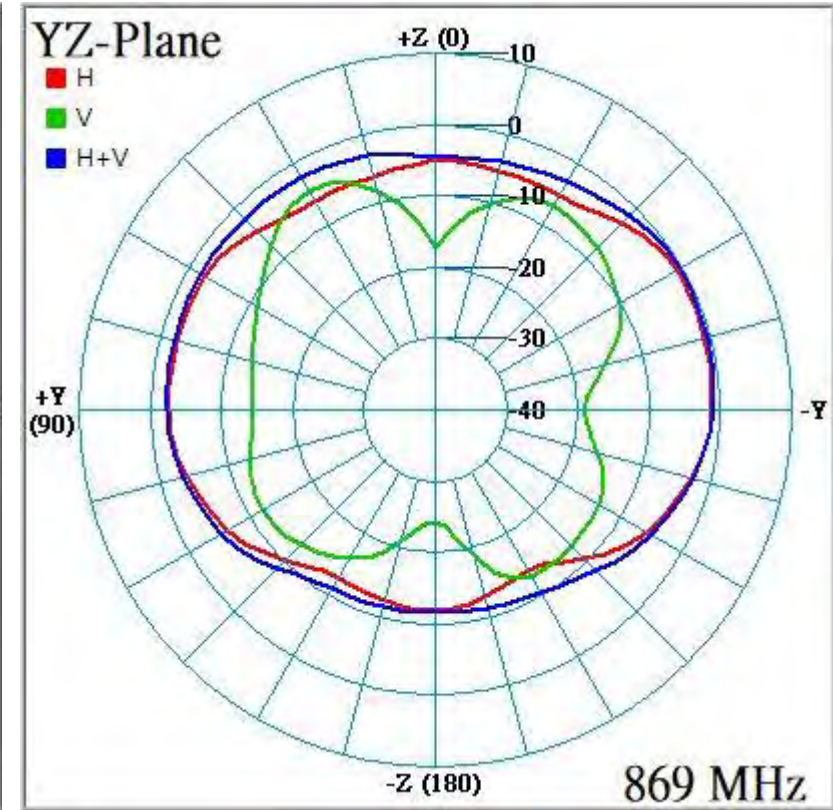
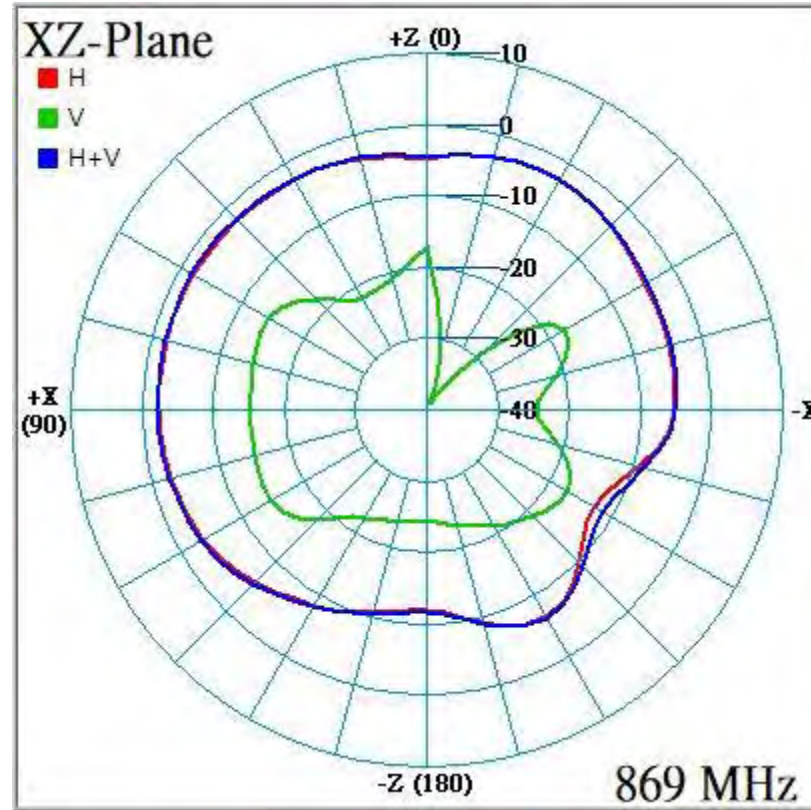
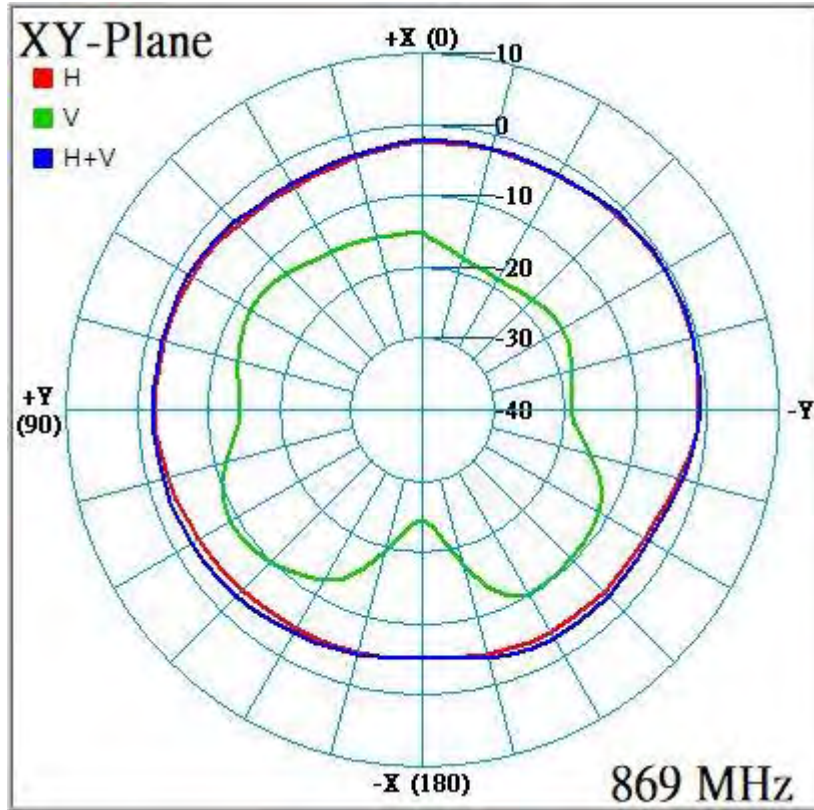
# Radiation characteristics of antenna loaded in Host Platform @ 824MHz:

- ALP6Y-100003(LTE Aux)



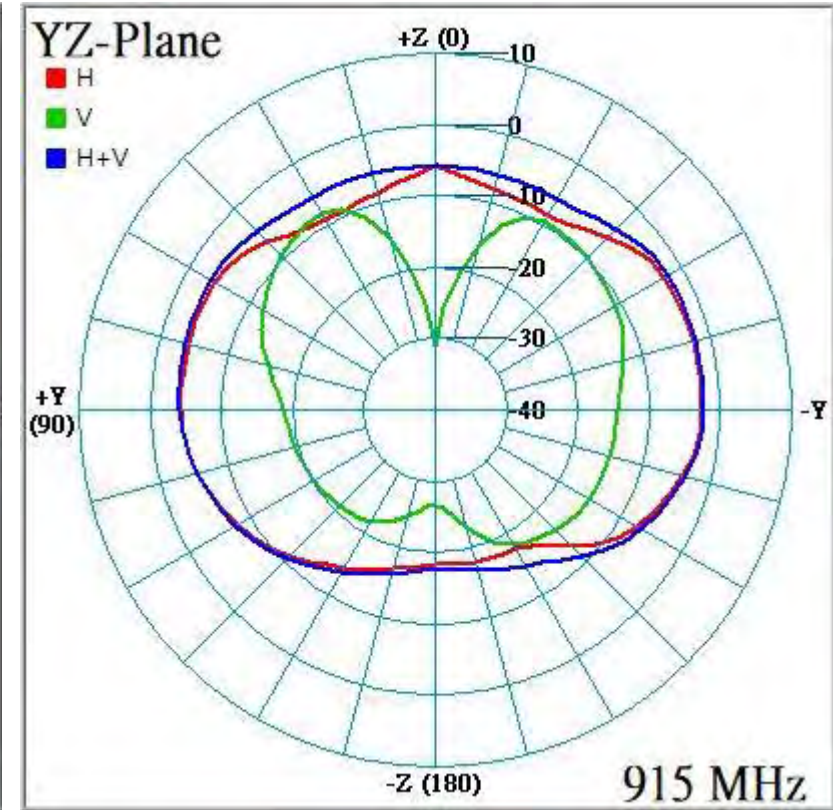
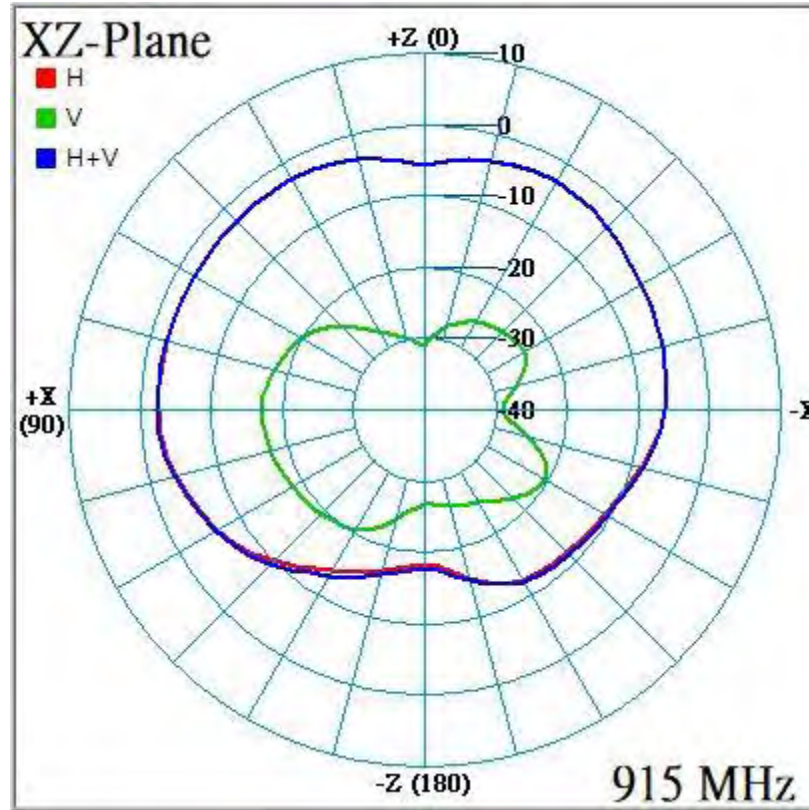
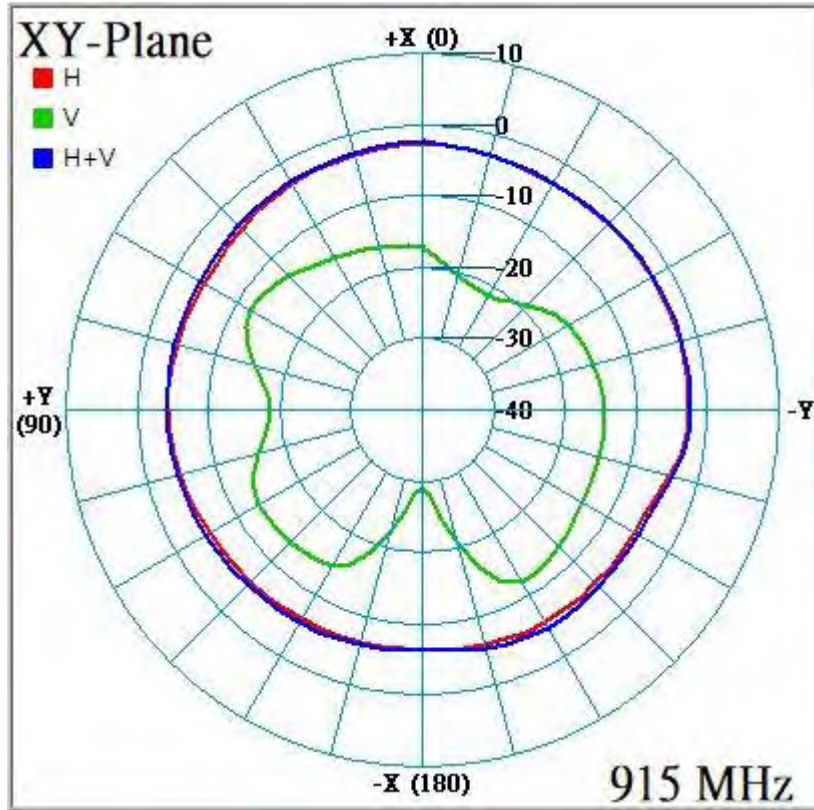
# Radiation characteristics of antenna loaded in Host Platform @ 869MHz:

- ALP6Y-100003(LTE Aux)



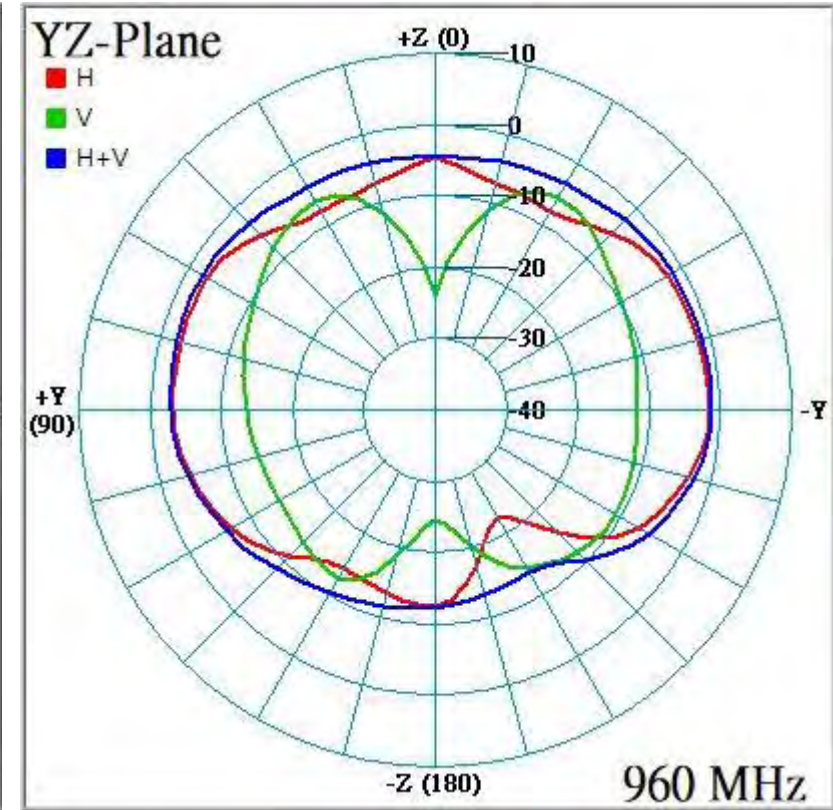
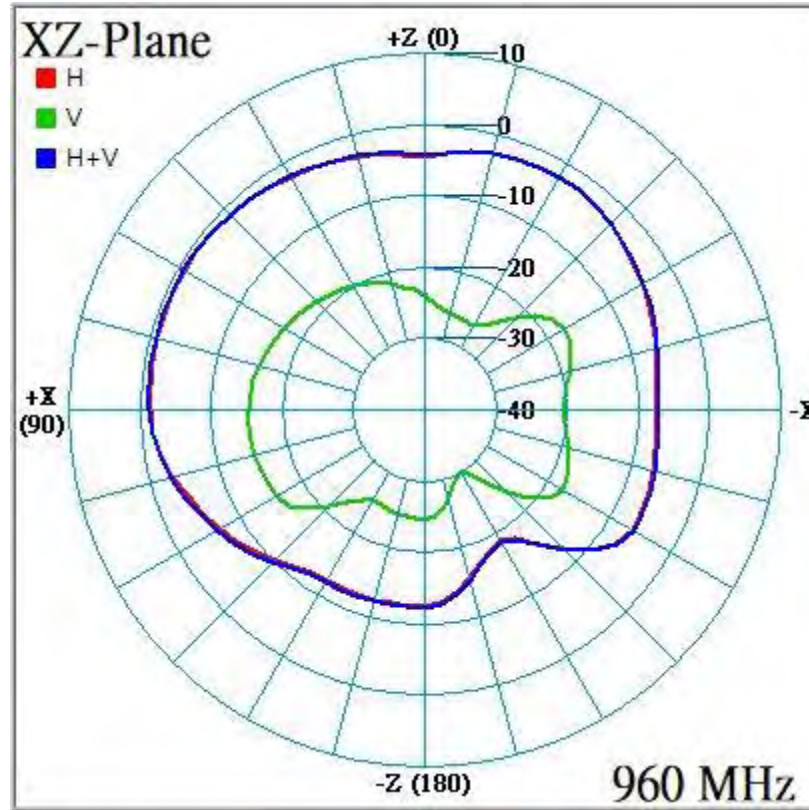
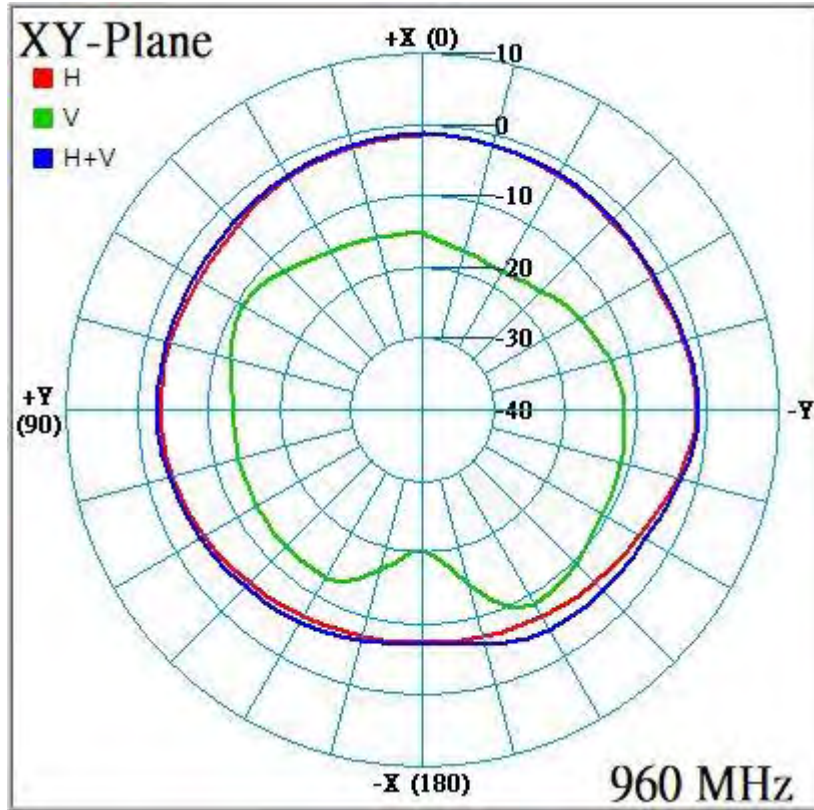
# Radiation characteristics of antenna loaded in Host Platform @ 915MHz:

- ALP6Y-100003(LTE Aux)



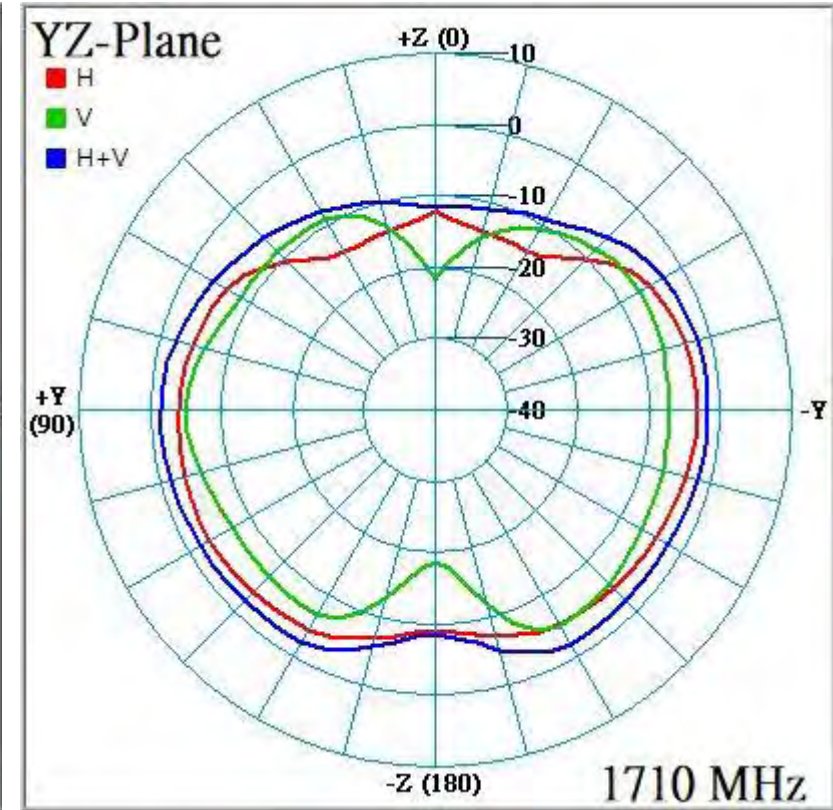
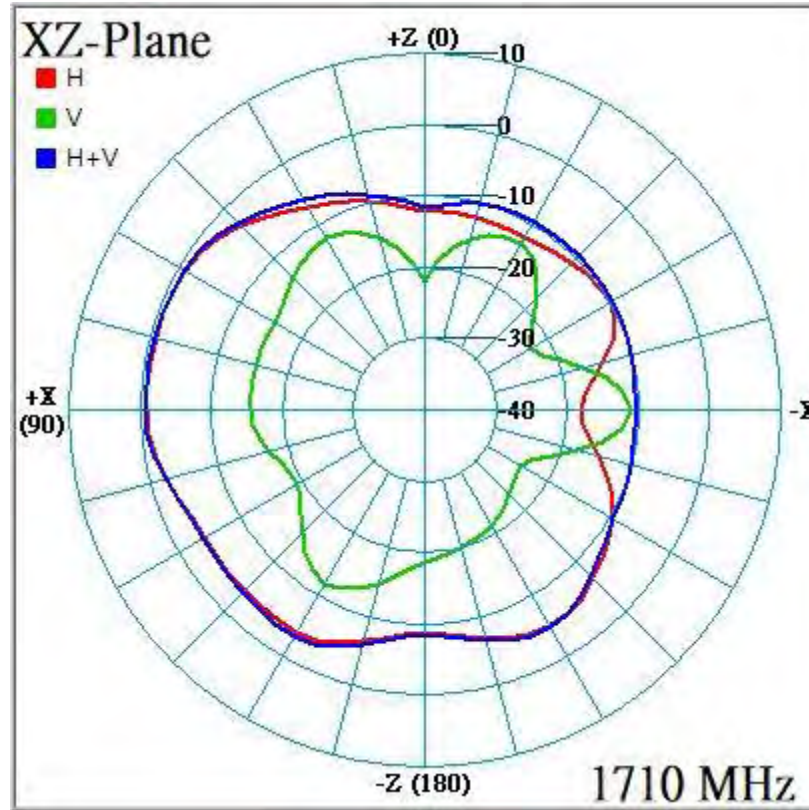
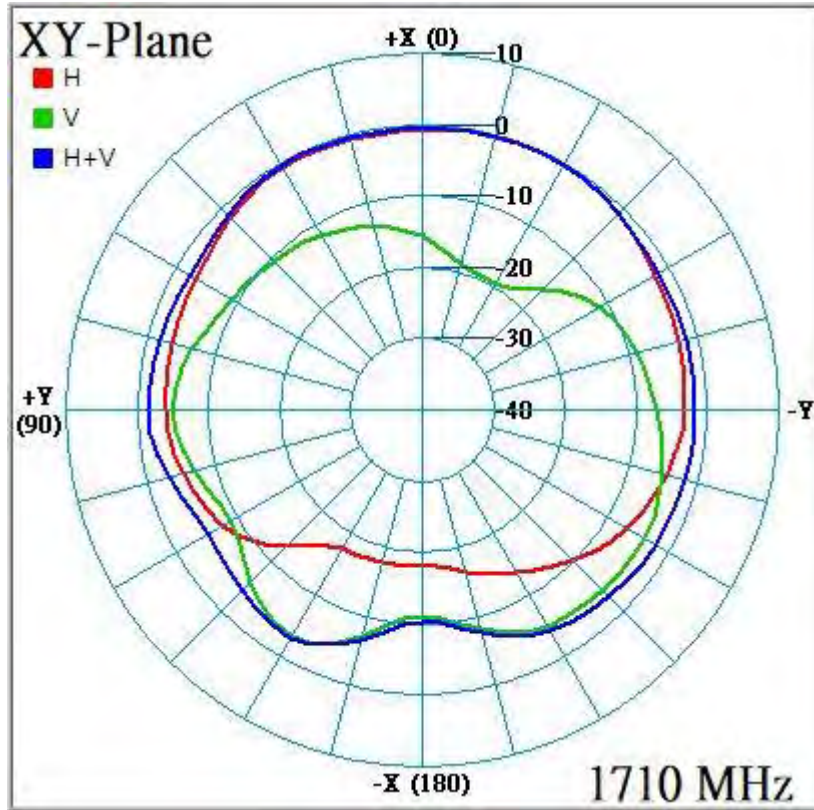
# Radiation characteristics of antenna loaded in Host Platform @ 960MHz:

- ALP6Y-100003(LTE Aux)



# Radiation characteristics of antenna loaded in Host Platform @ 1710MHz:

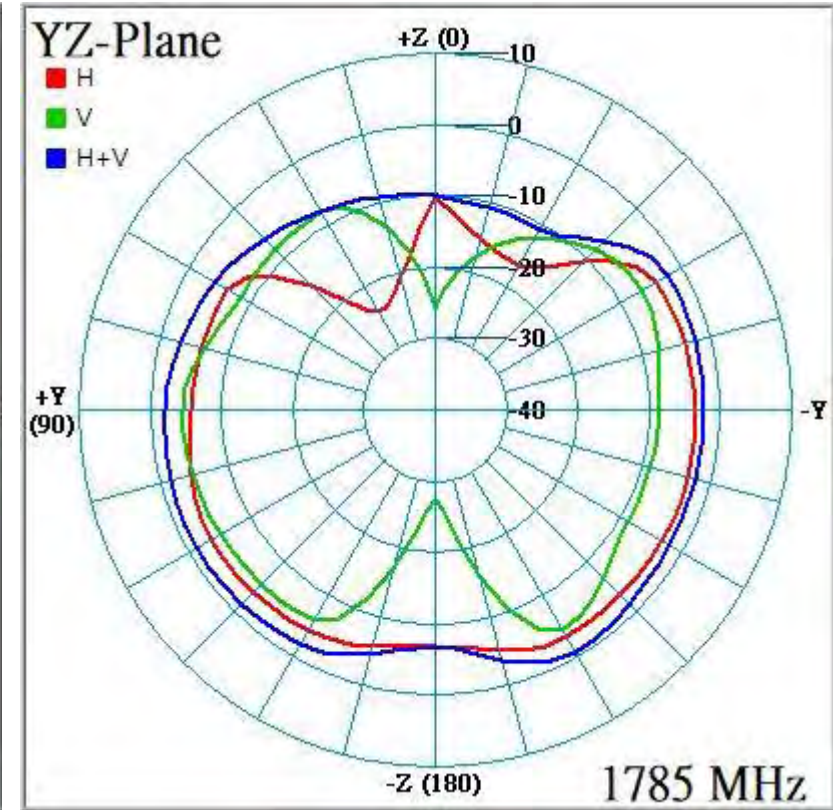
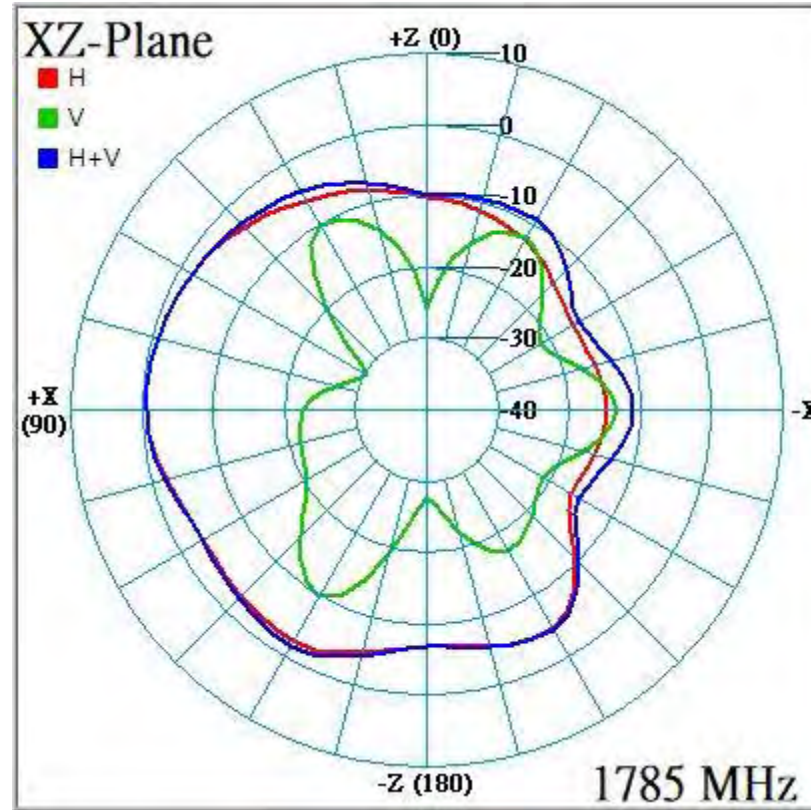
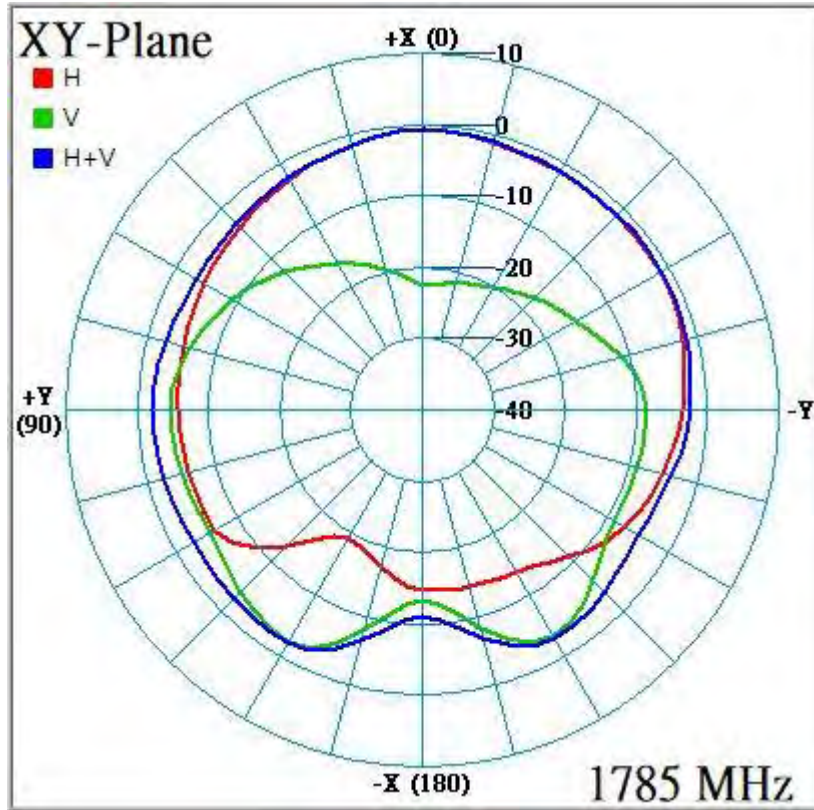
- ALP6Y-100003(LTE Aux)





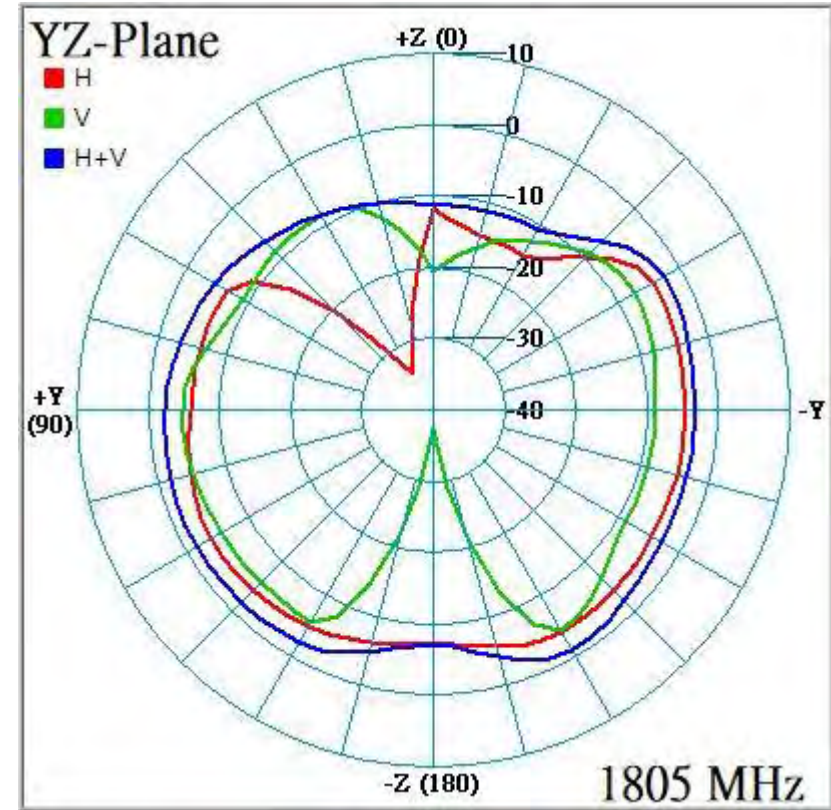
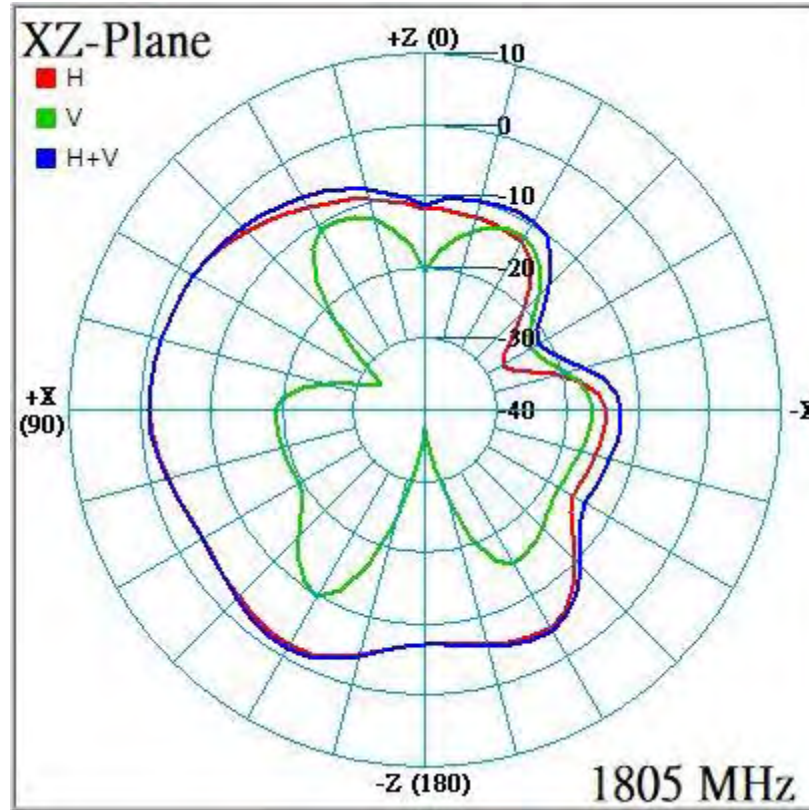
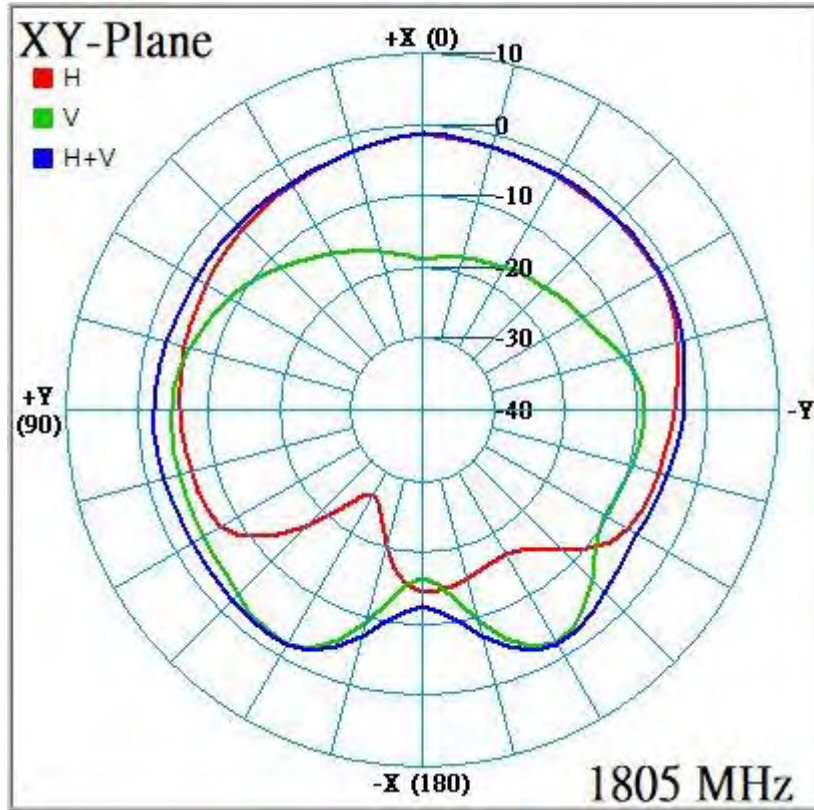
# Radiation characteristics of antenna loaded in Host Platform @ 1785MHz:

- ALP6Y-100003(LTE Aux)



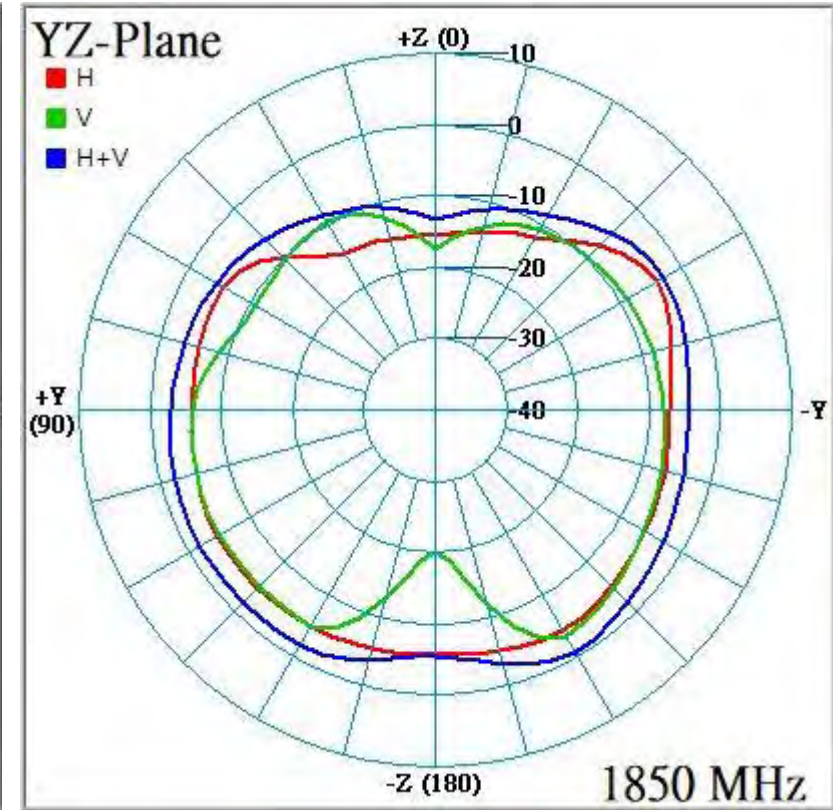
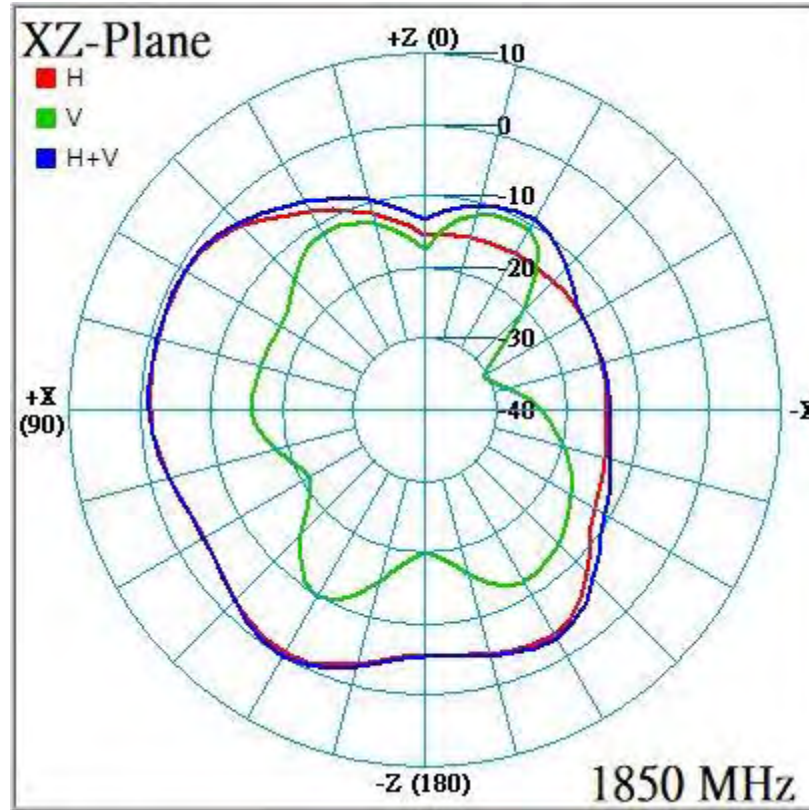
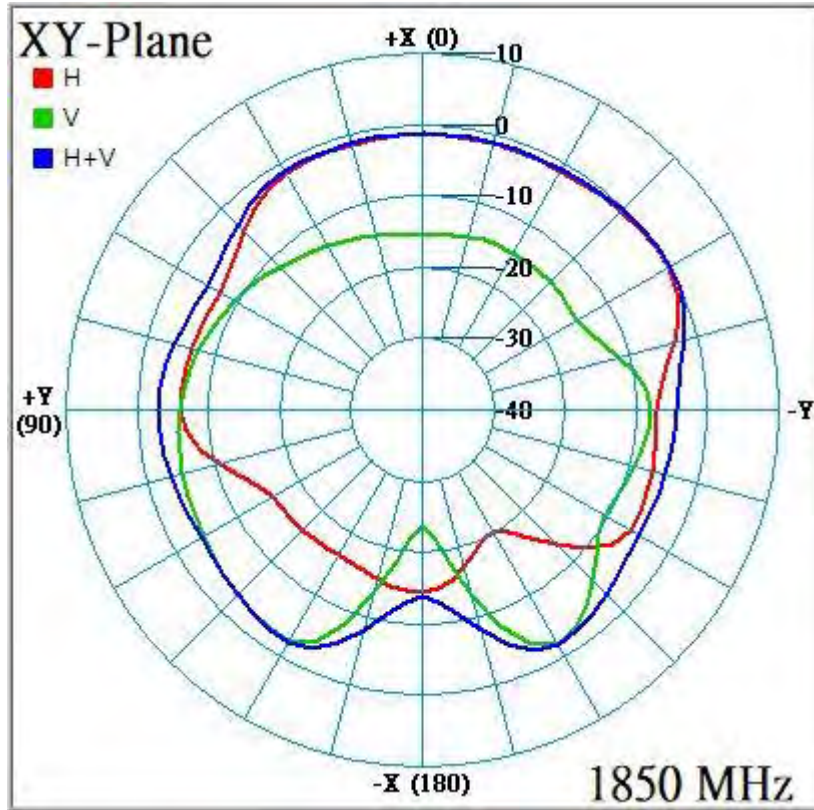
# Radiation characteristics of antenna loaded in Host Platform @ 1805MHz:

- ALP6Y-100003(LTE Aux)



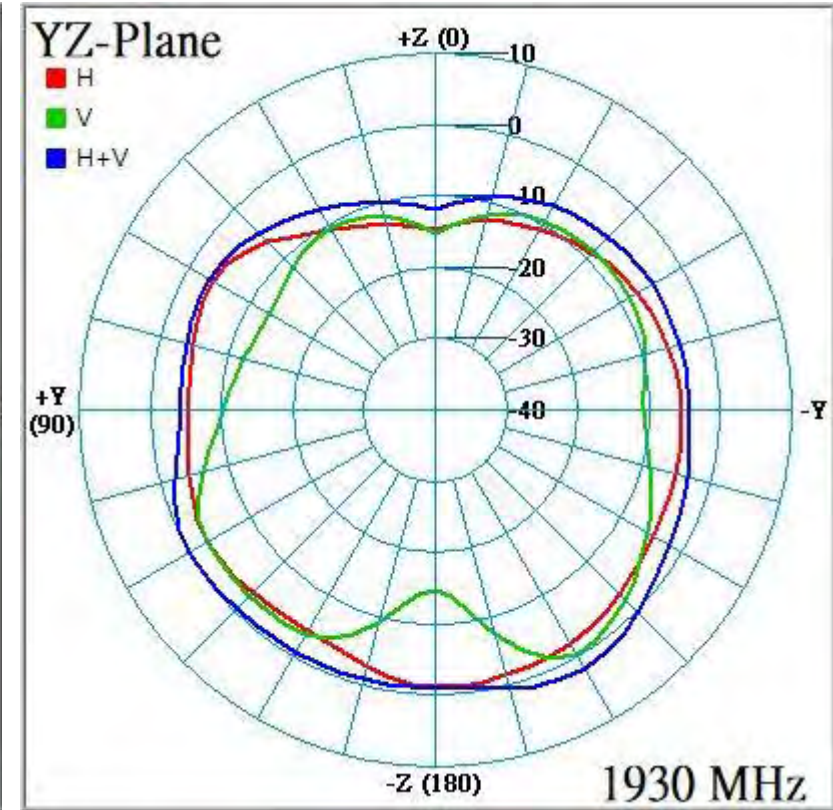
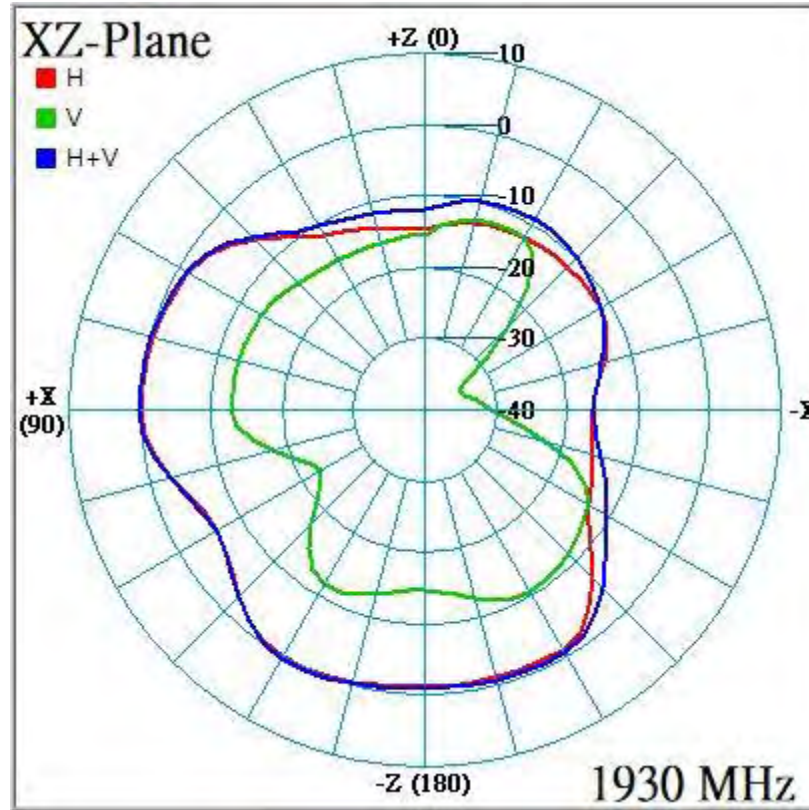
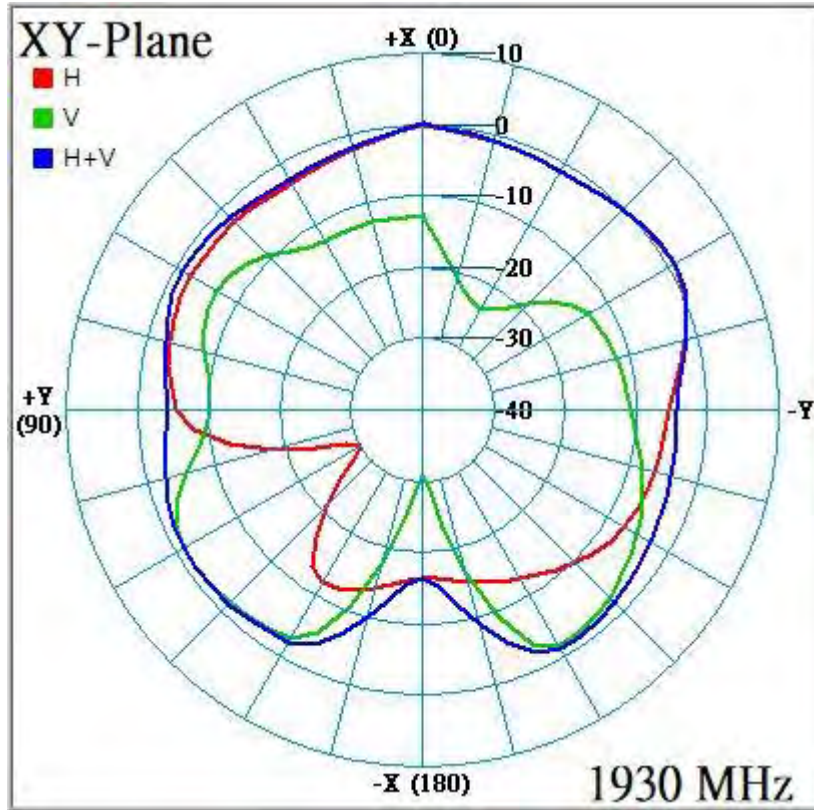
# Radiation characteristics of antenna loaded in Host Platform @ 1850MHz:

- ALP6Y-100003(LTE Aux)



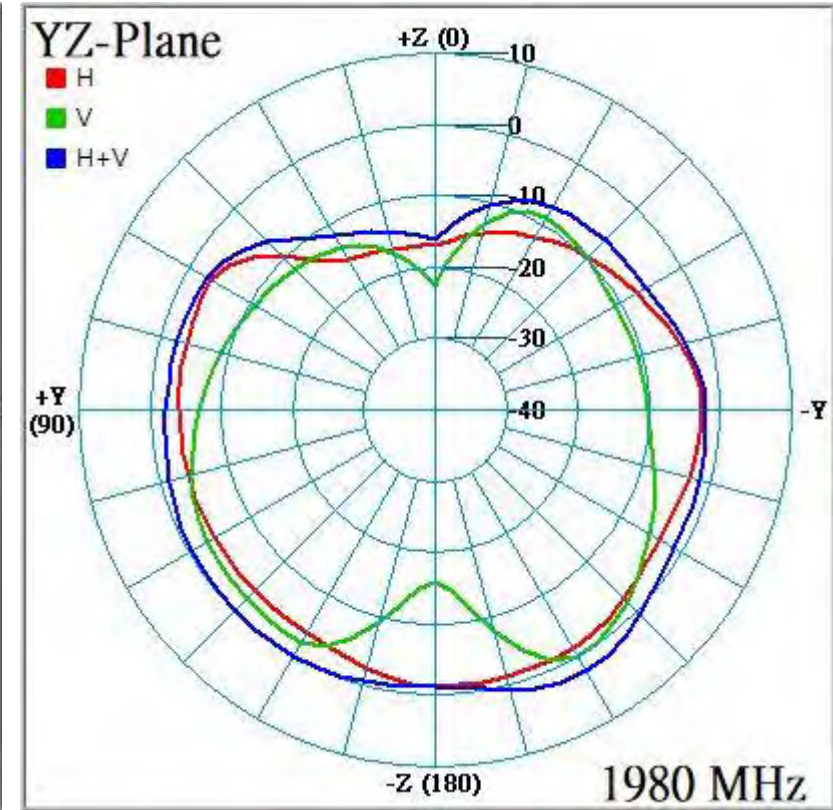
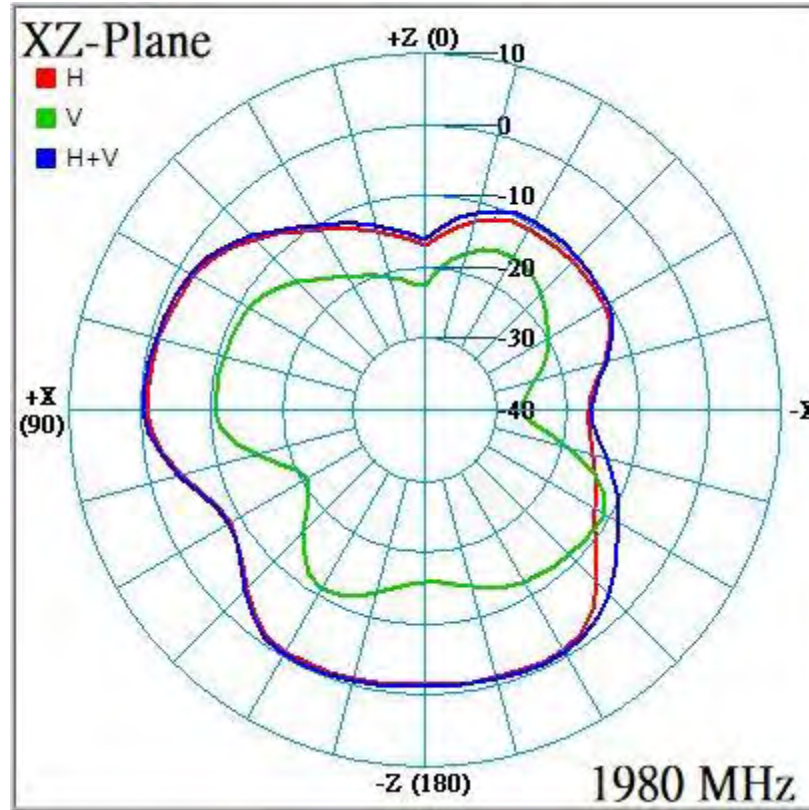
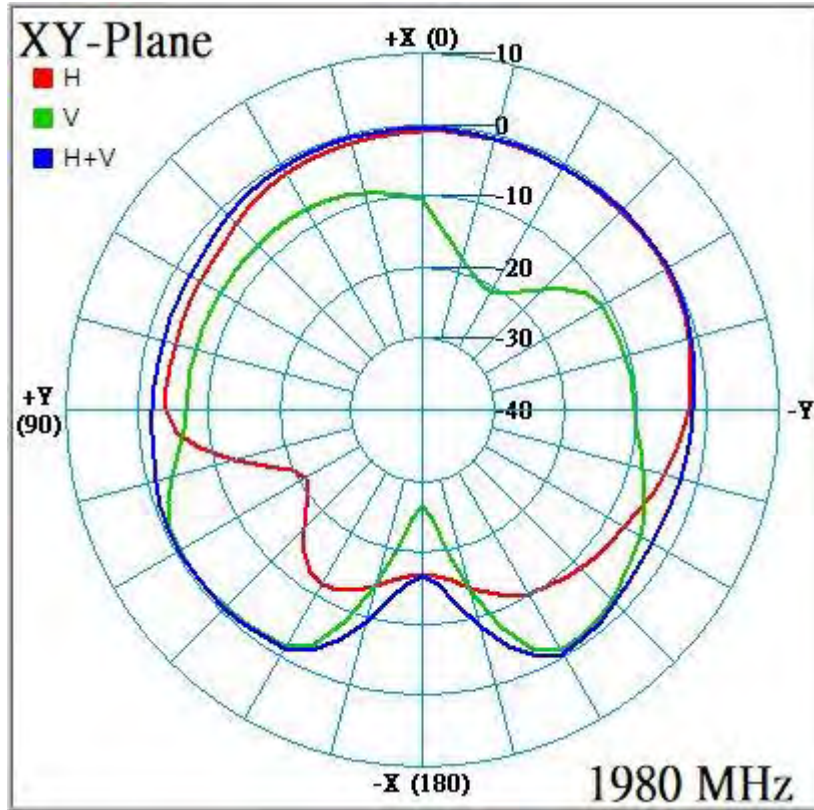
# Radiation characteristics of antenna loaded in Host Platform @ 1930MHz:

- ALP6Y-100003(LTE Aux)



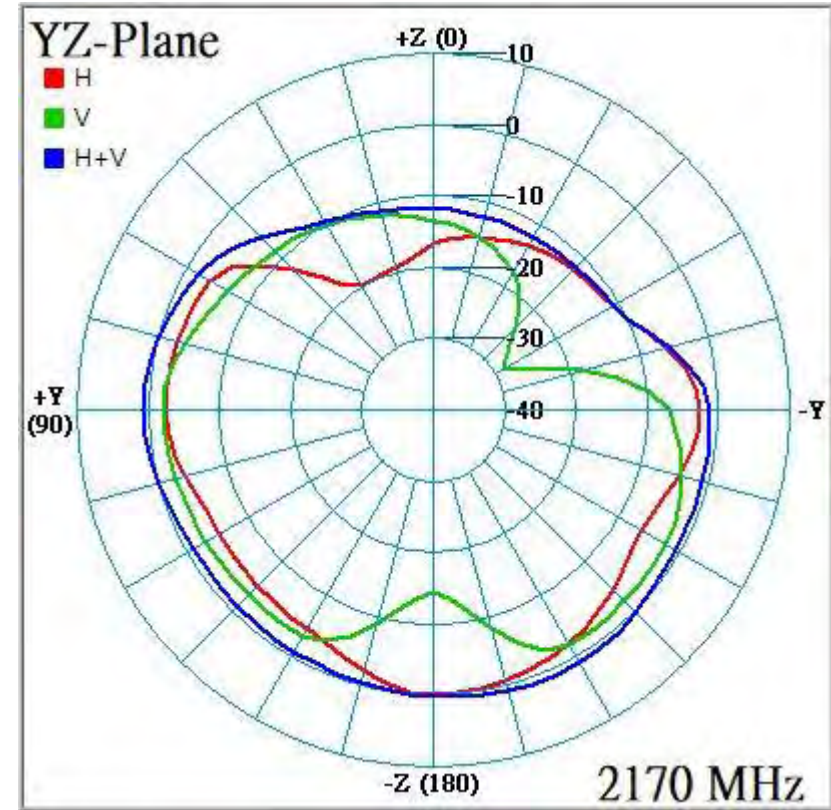
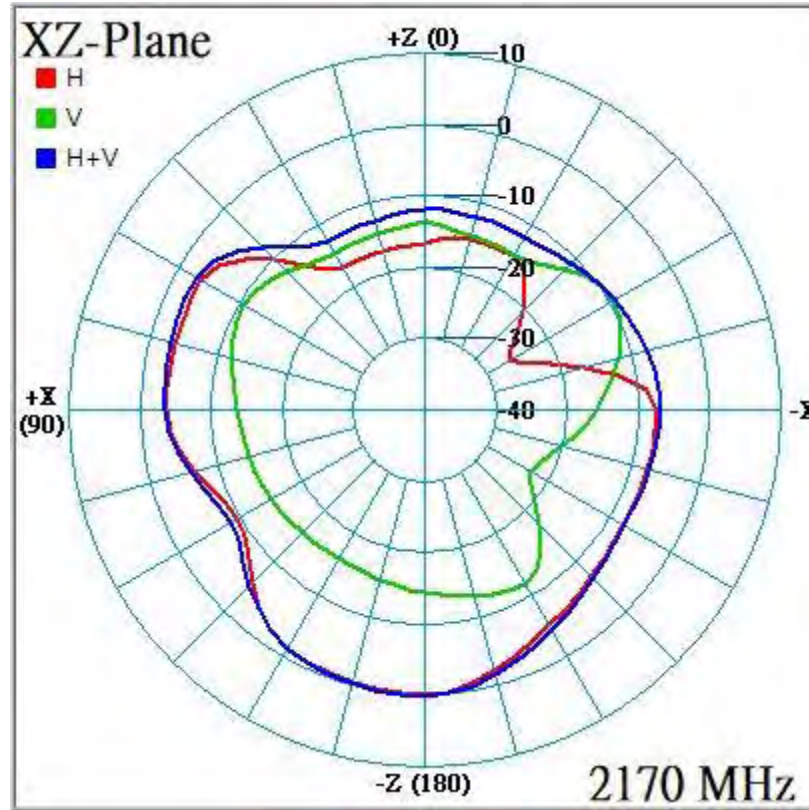
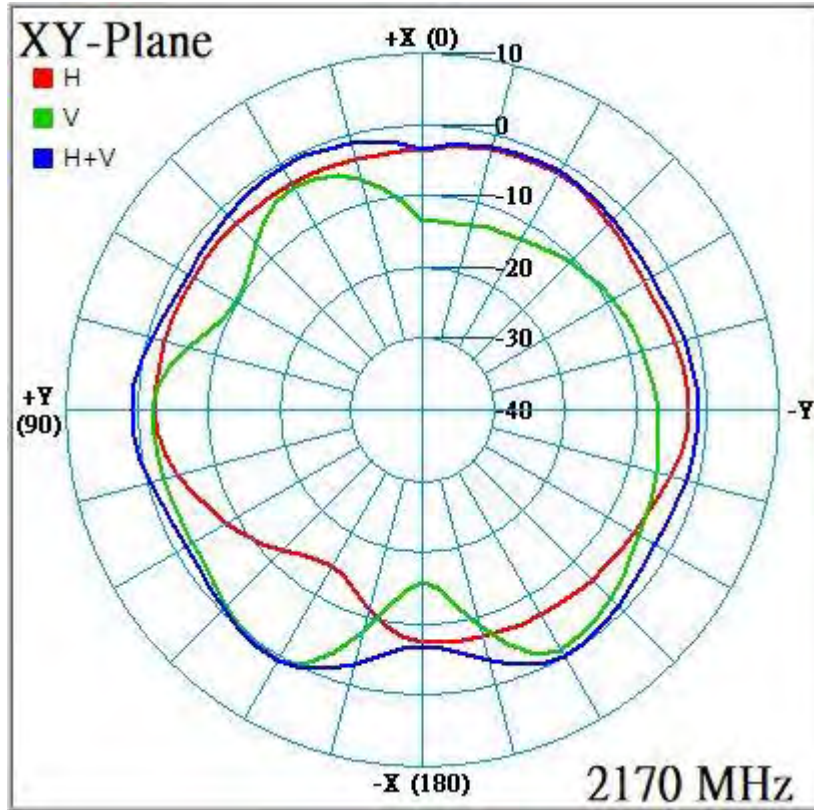
# Radiation characteristics of antenna loaded in Host Platform @ 1980MHz:

- ALP6Y-100003(LTE Aux)



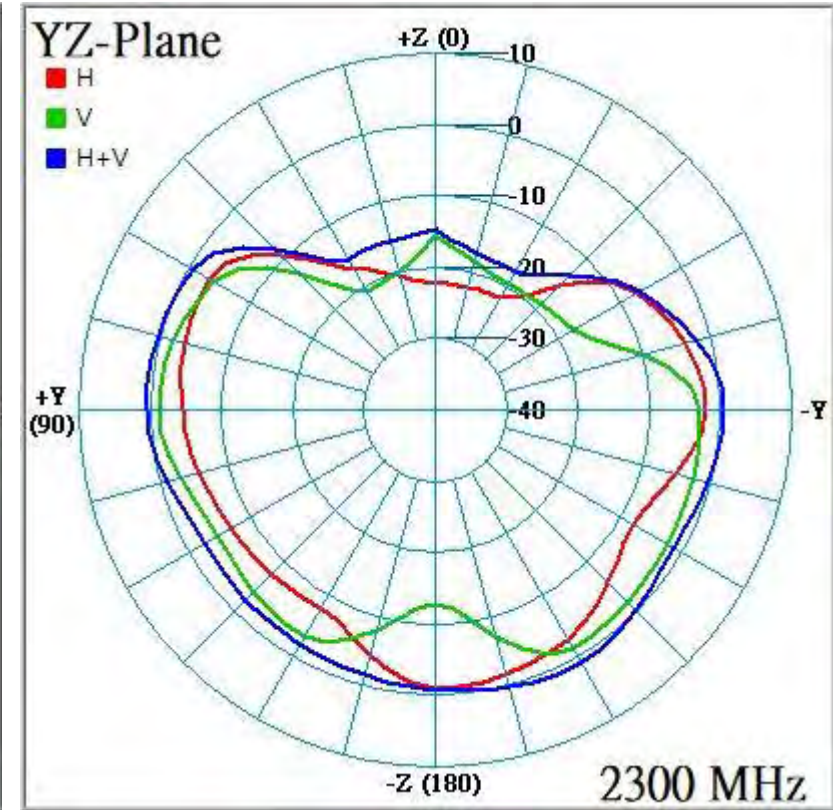
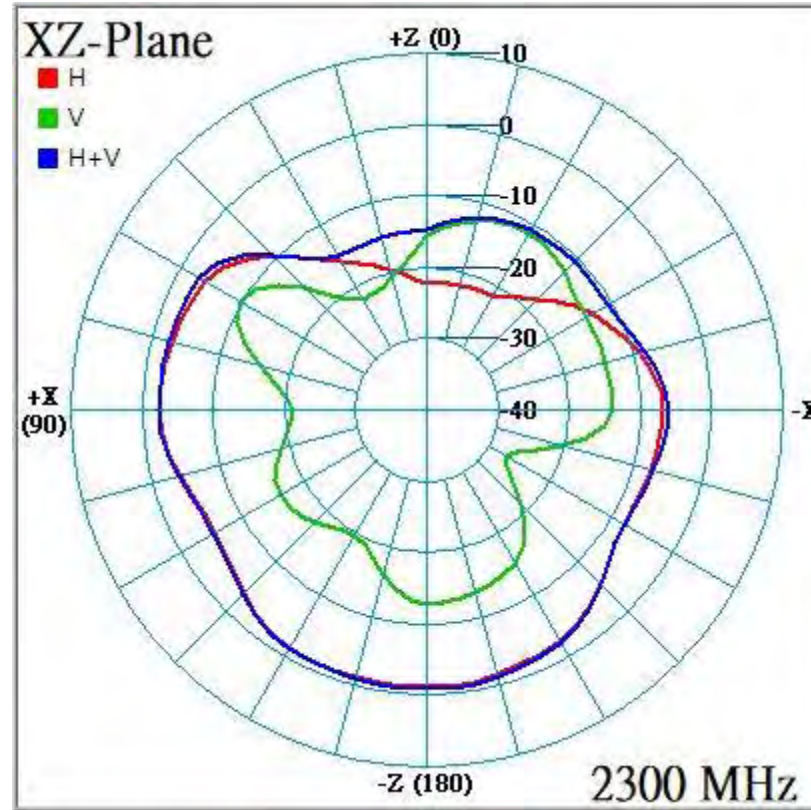
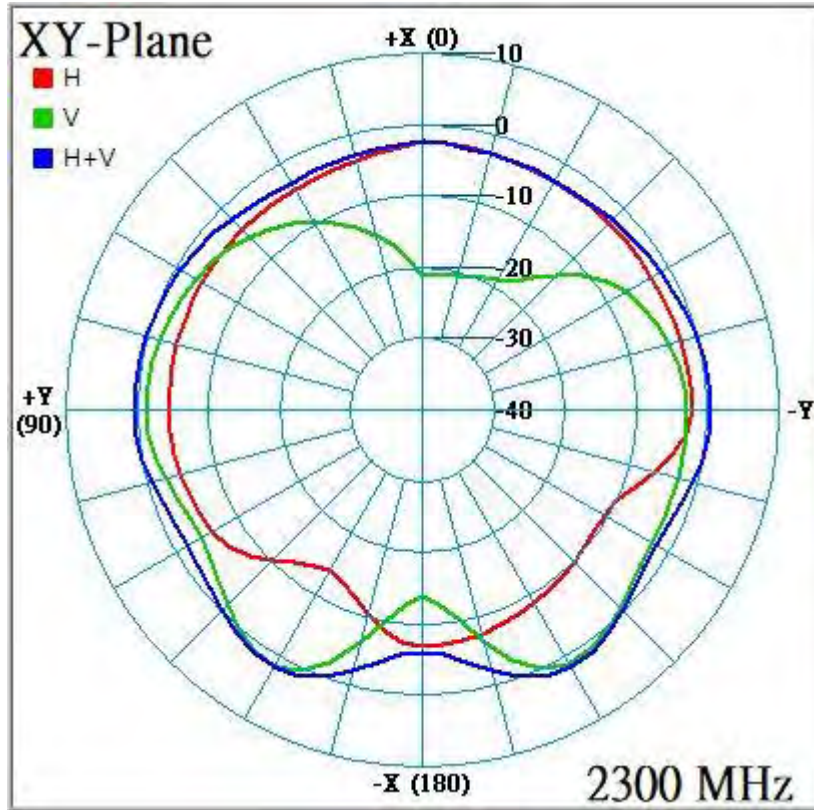
# Radiation characteristics of antenna loaded in Host Platform @ 2170MHz:

- ALP6Y-100003(LTE Aux)



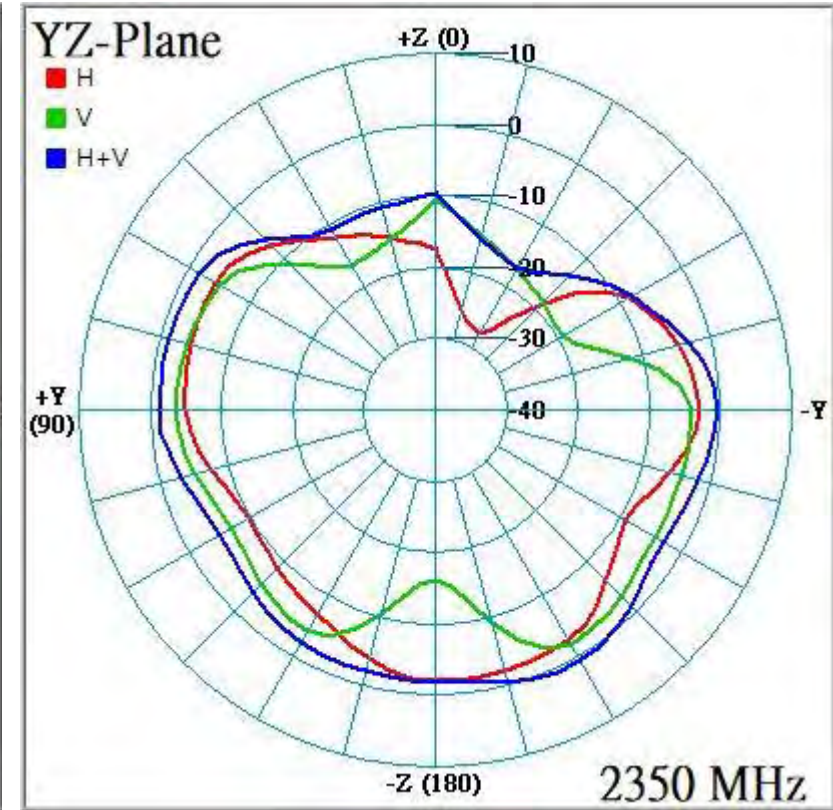
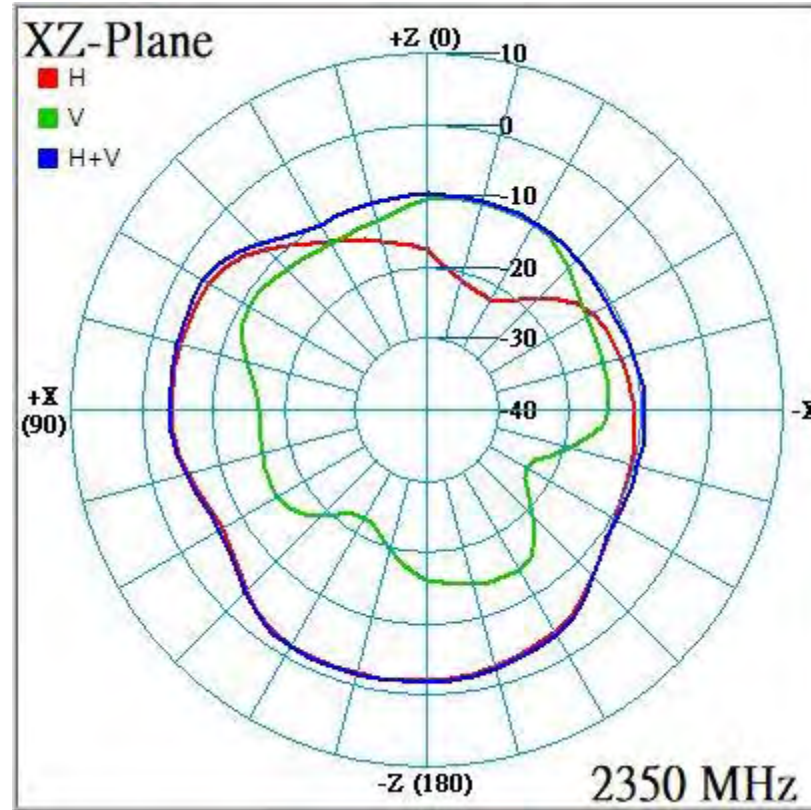
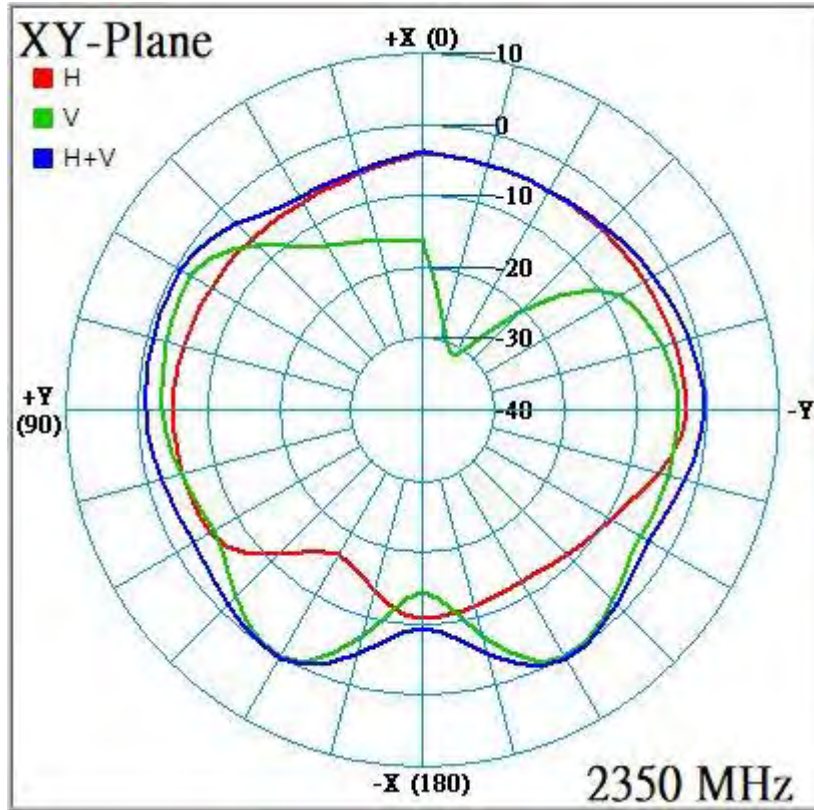
# Radiation characteristics of antenna loaded in Host Platform @ 2300MHz:

- ALP6Y-100003(LTE Aux)



# Radiation characteristics of antenna loaded in Host Platform @ 2350MHz:

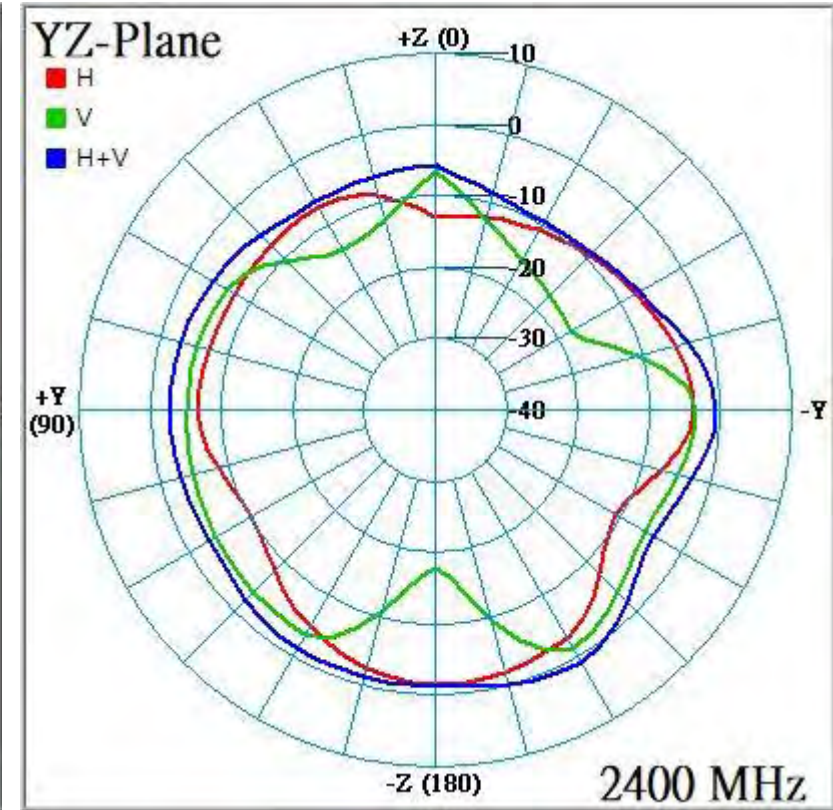
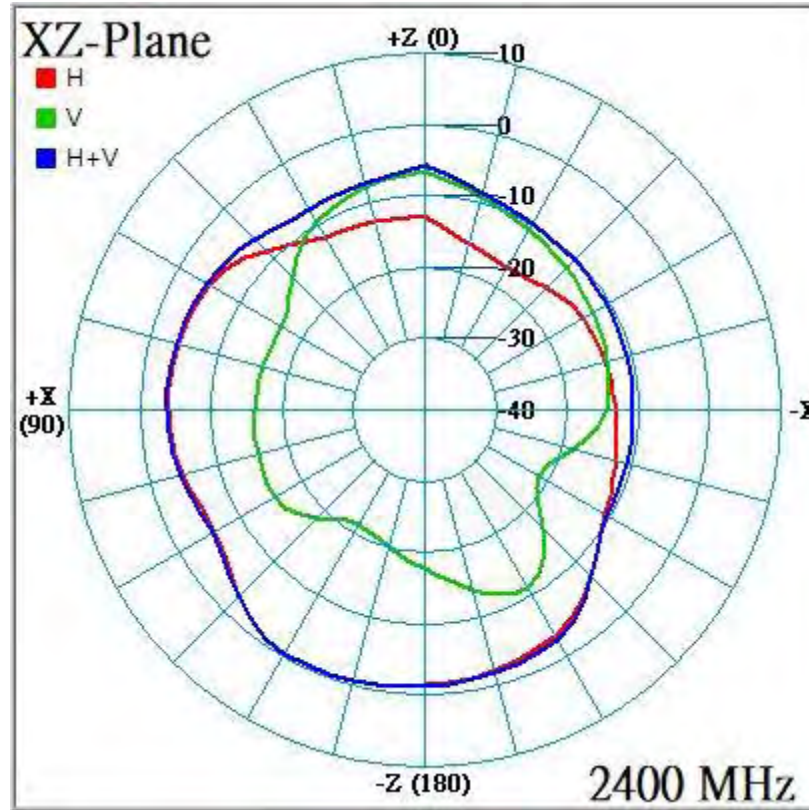
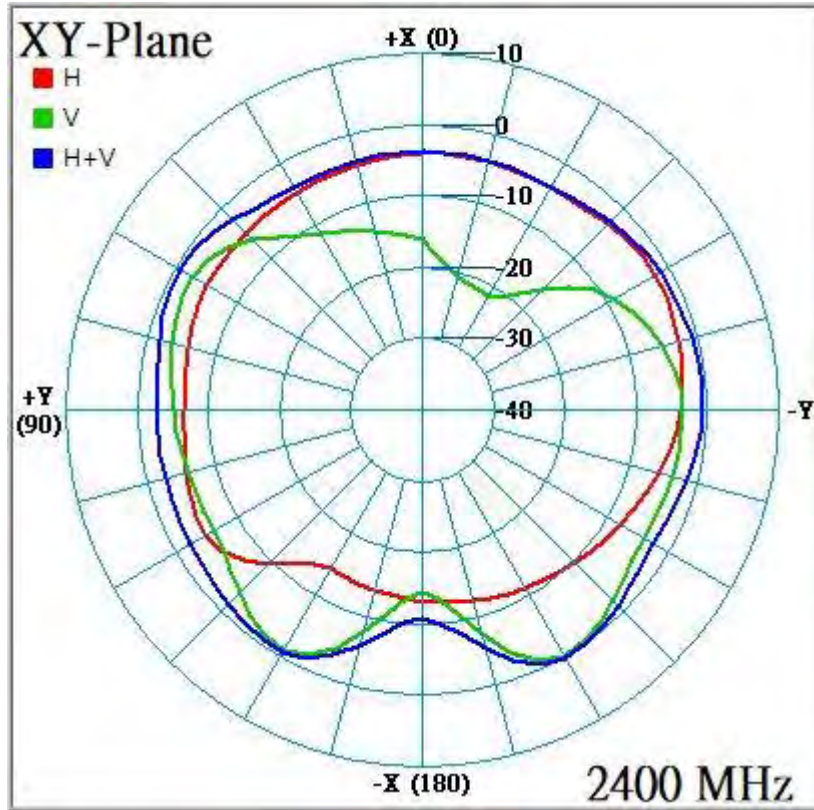
- ALP6Y-100003(LTE Aux)





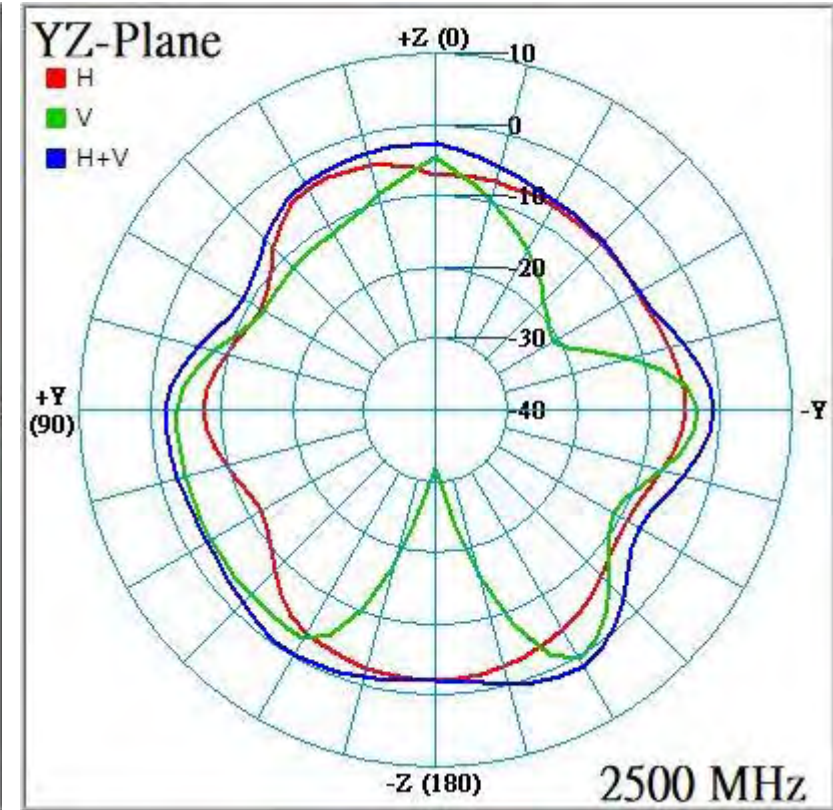
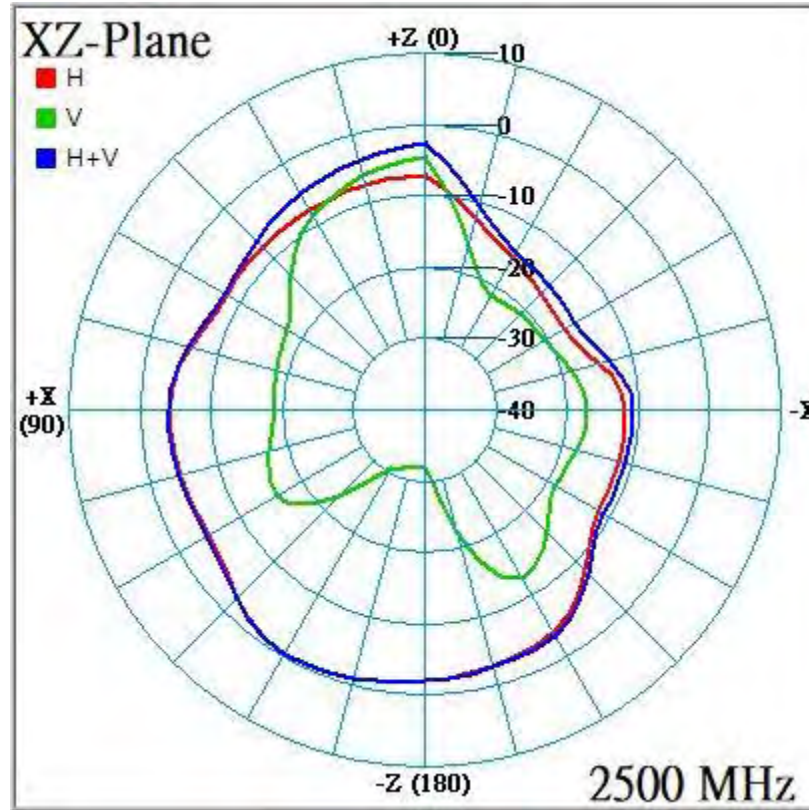
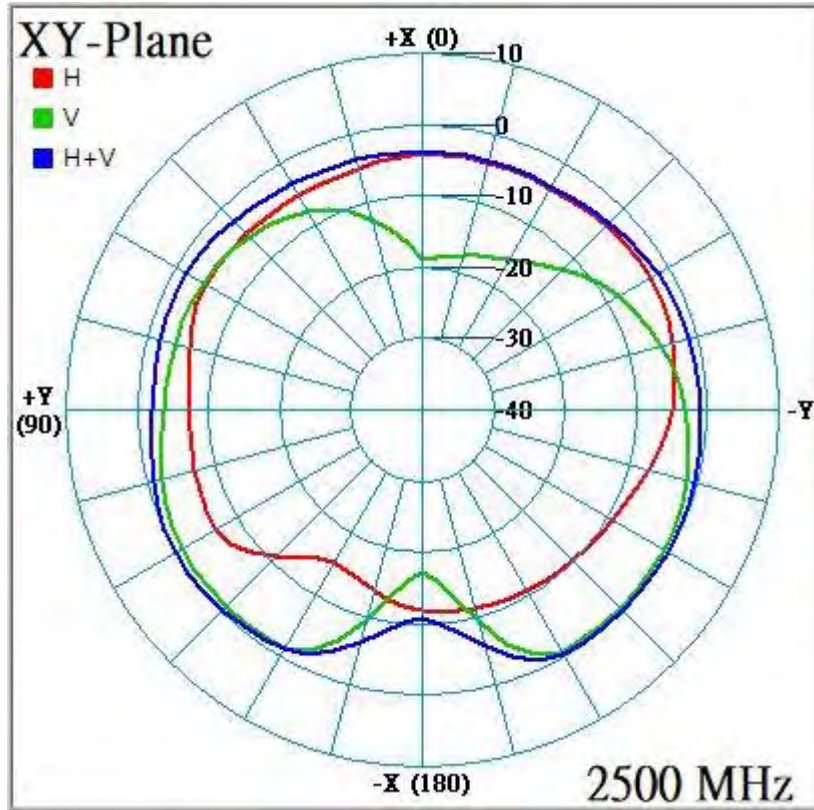
# Radiation characteristics of antenna loaded in Host Platform @ 2400MHz:

- ALP6Y-100003(LTE Aux)



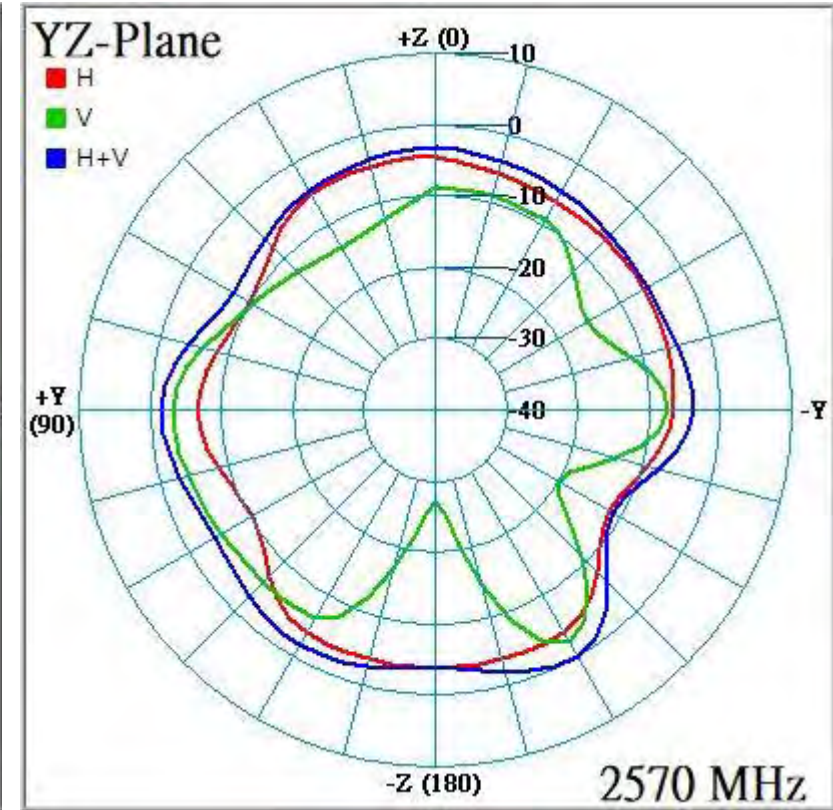
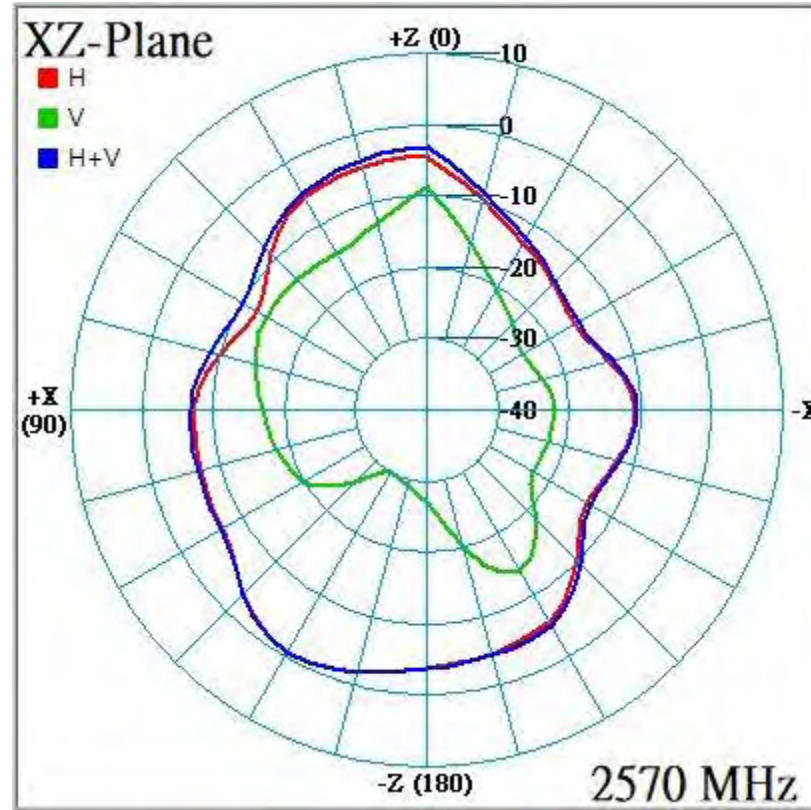
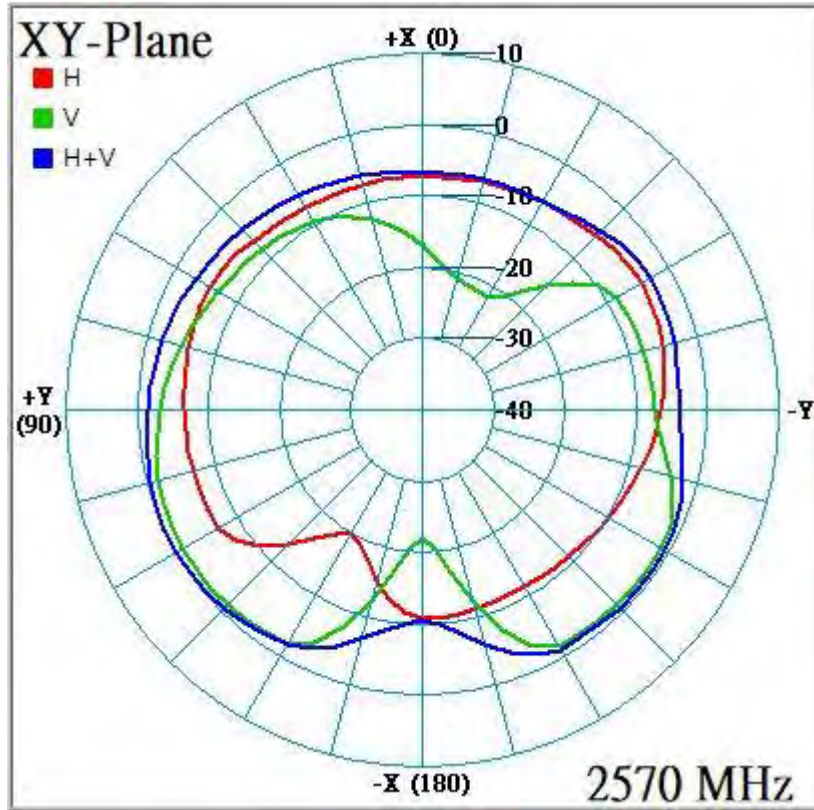
# Radiation characteristics of antenna loaded in Host Platform @ 2500MHz:

- ALP6Y-100003(LTE Aux)



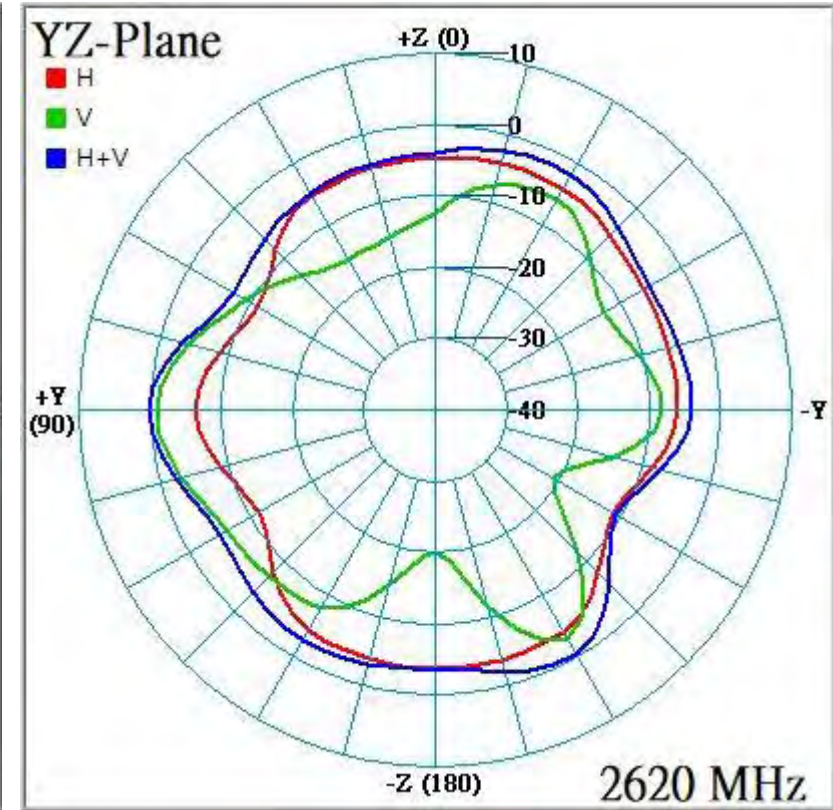
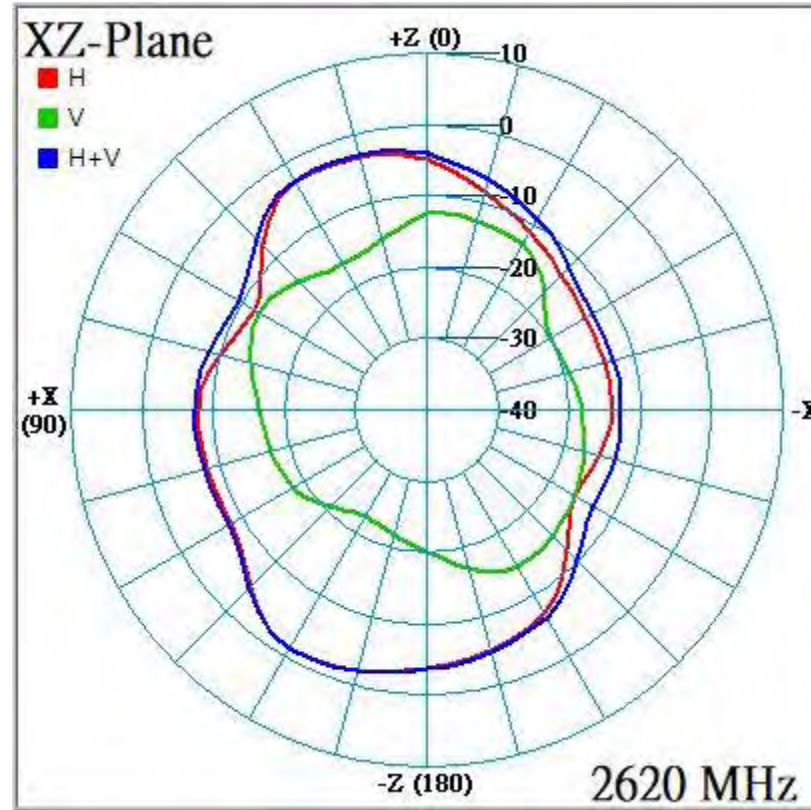
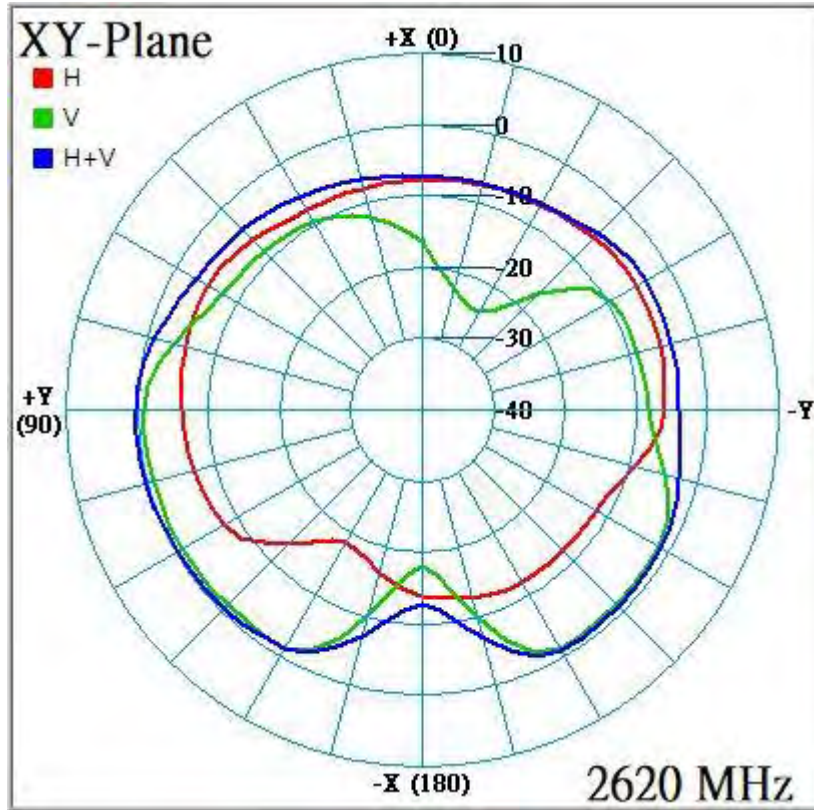
# Radiation characteristics of antenna loaded in Host Platform @ 2570MHz:

- ALP6Y-100003(LTE Aux)



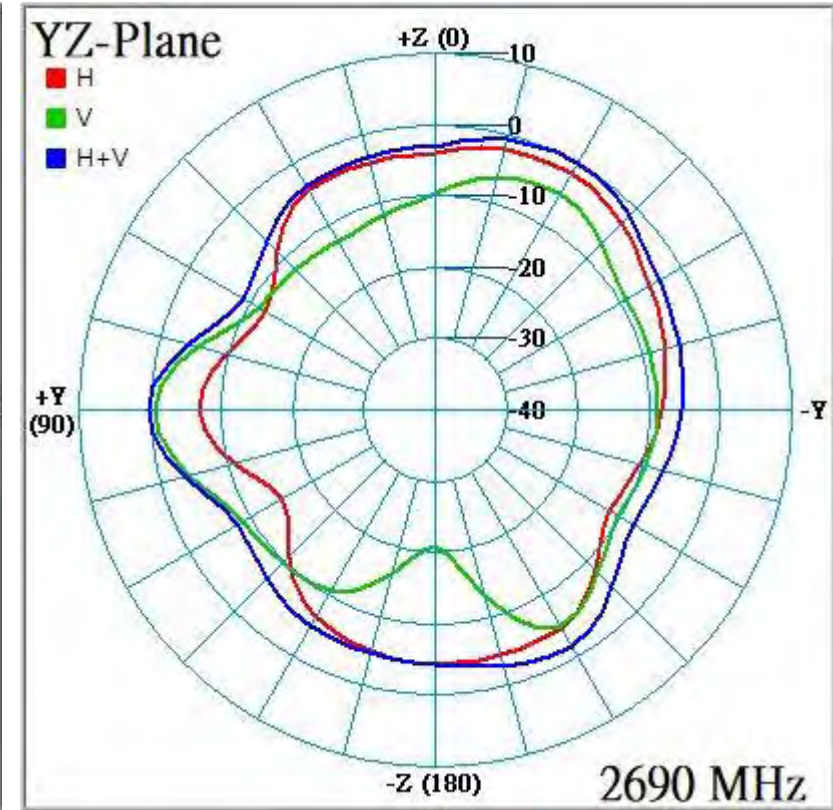
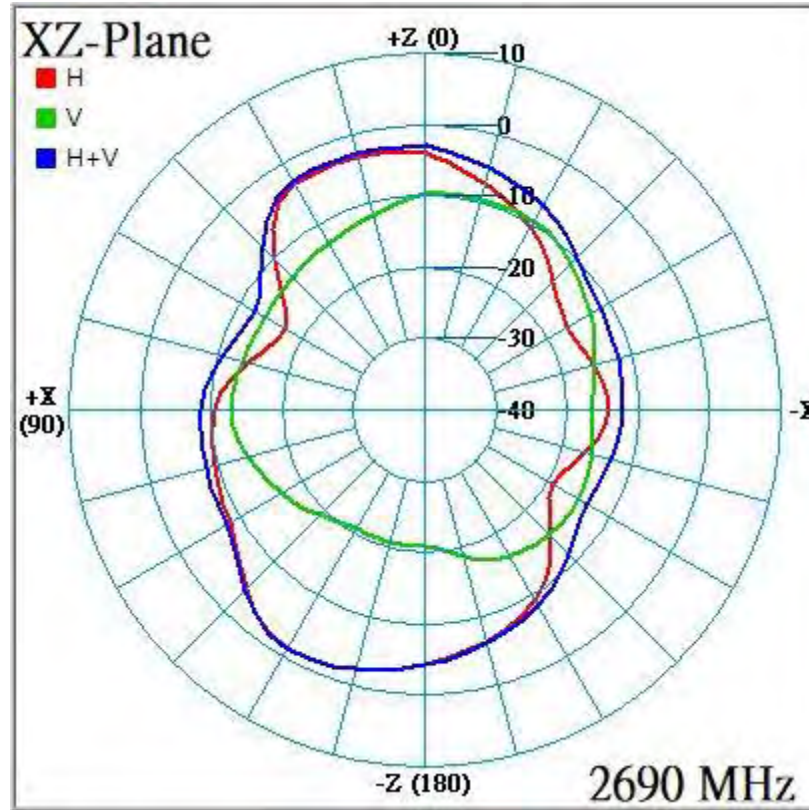
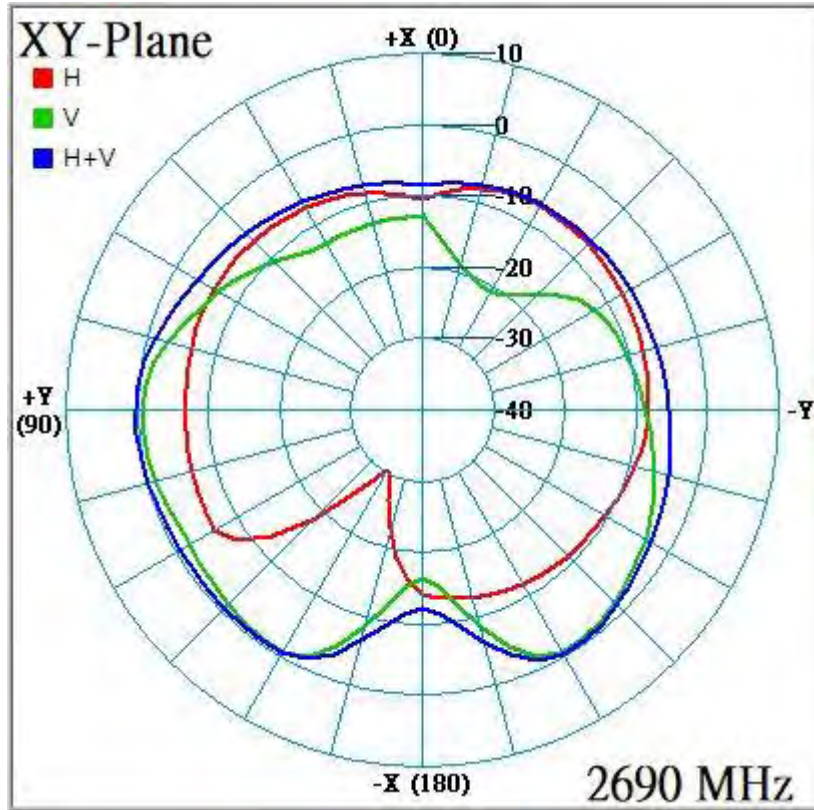
# Radiation characteristics of antenna loaded in Host Platform @ 2620MHz:

- ALP6Y-100003(LTE Aux)



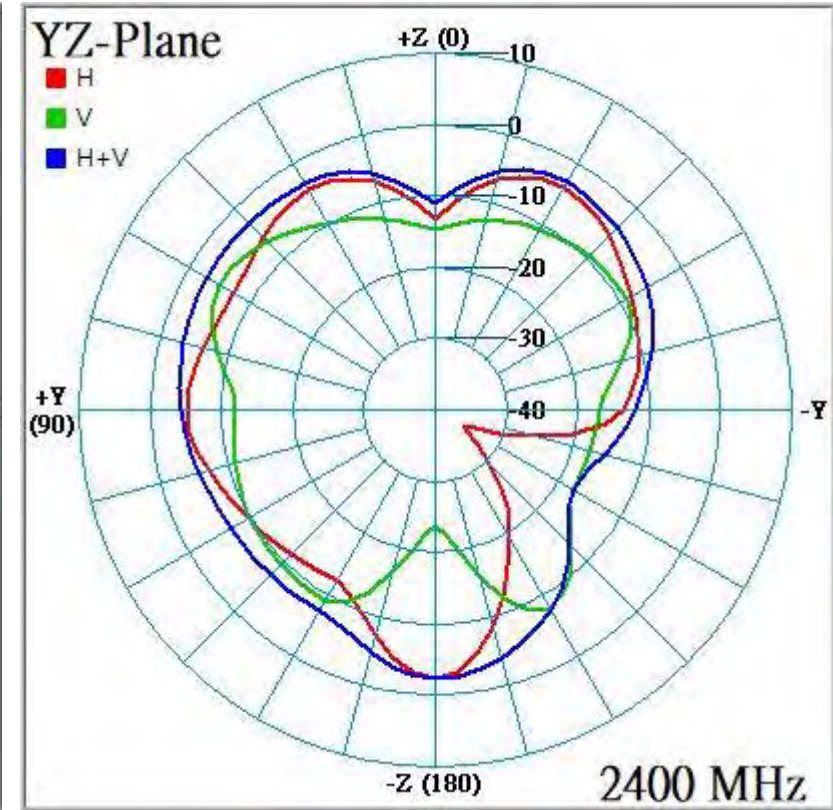
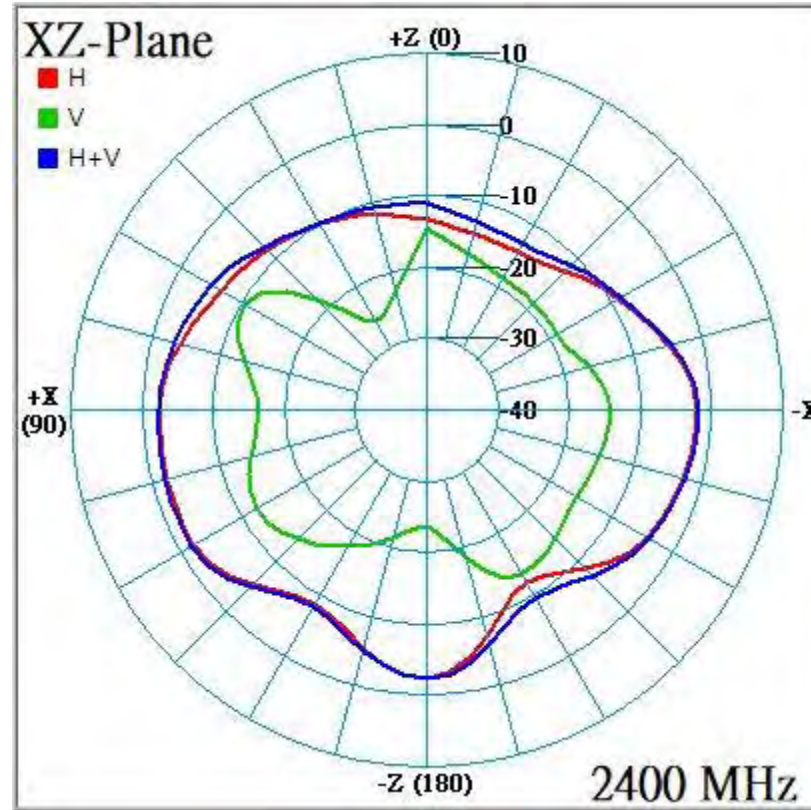
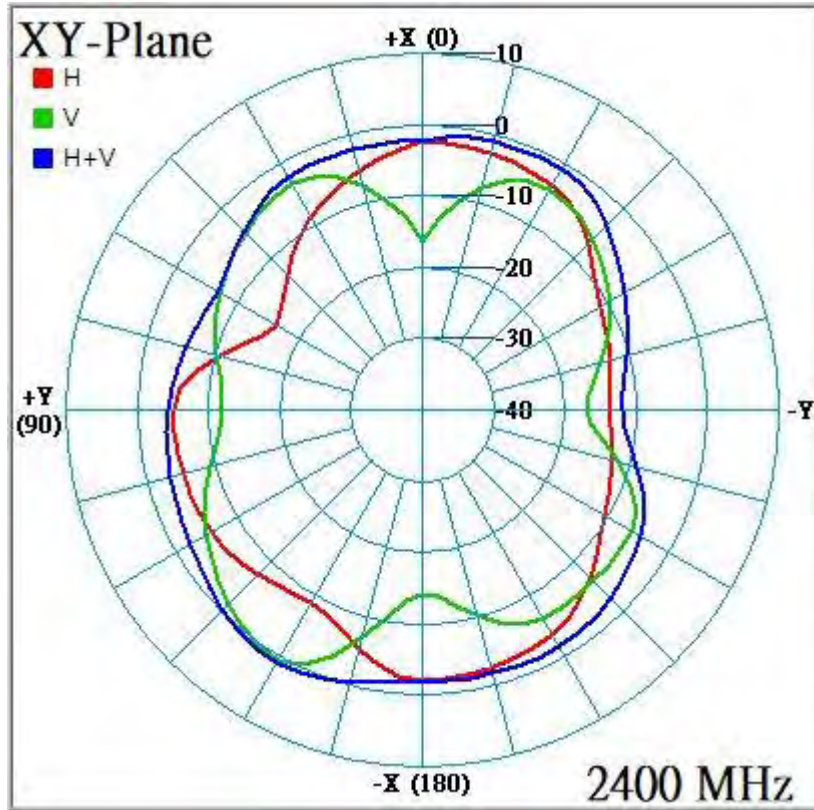
# Radiation characteristics of antenna loaded in Host Platform @ 2690MHz:

- ALP6Y-100003(LTE Aux)



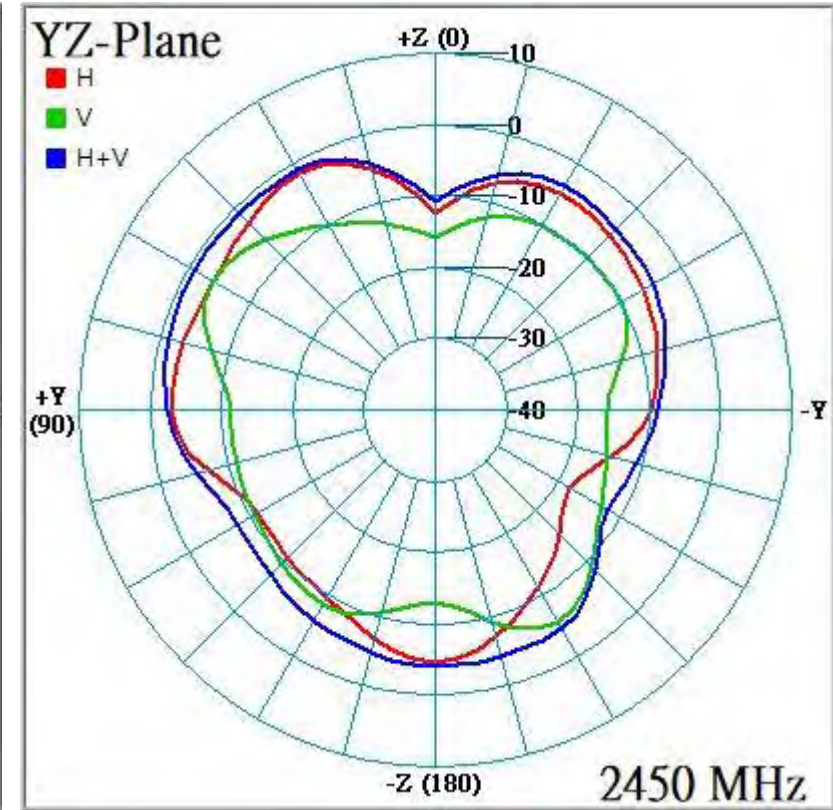
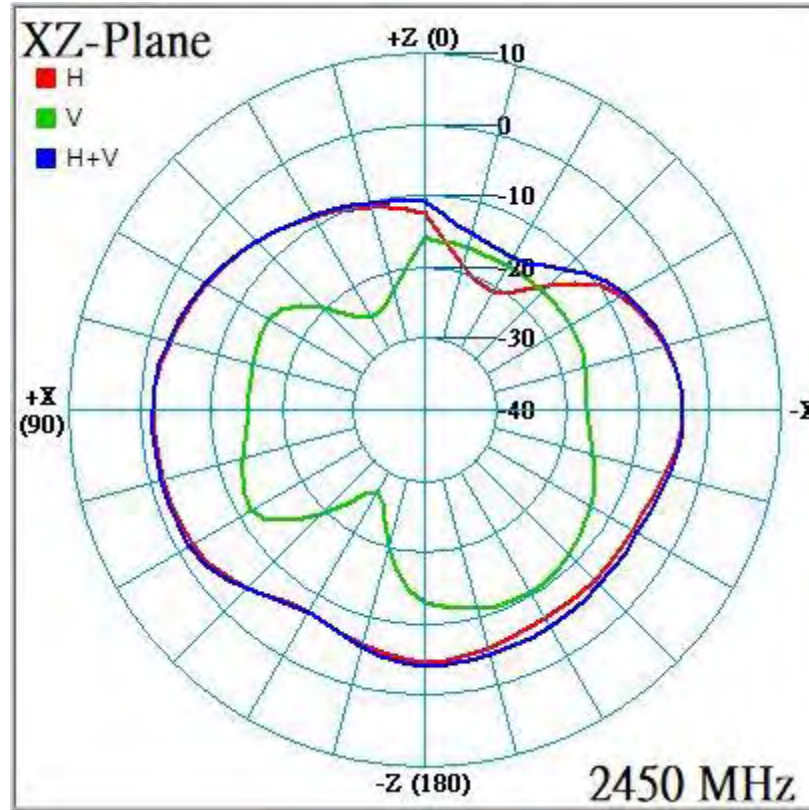
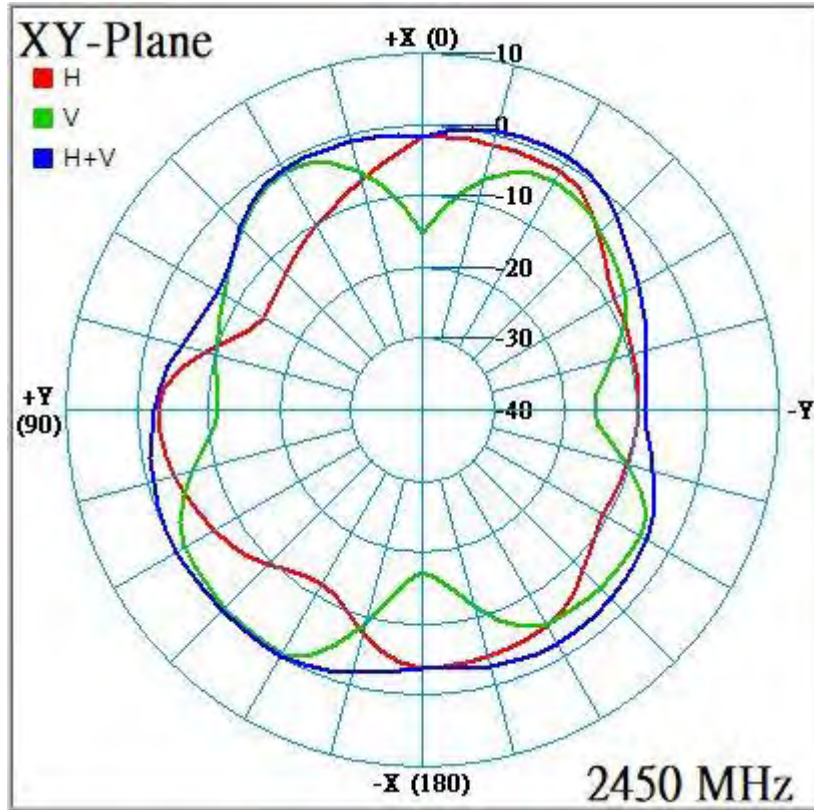
# Radiation characteristics of antenna loaded in Host Platform @ 2400MHz:

- ALP6Y-100005(WiFi Main)



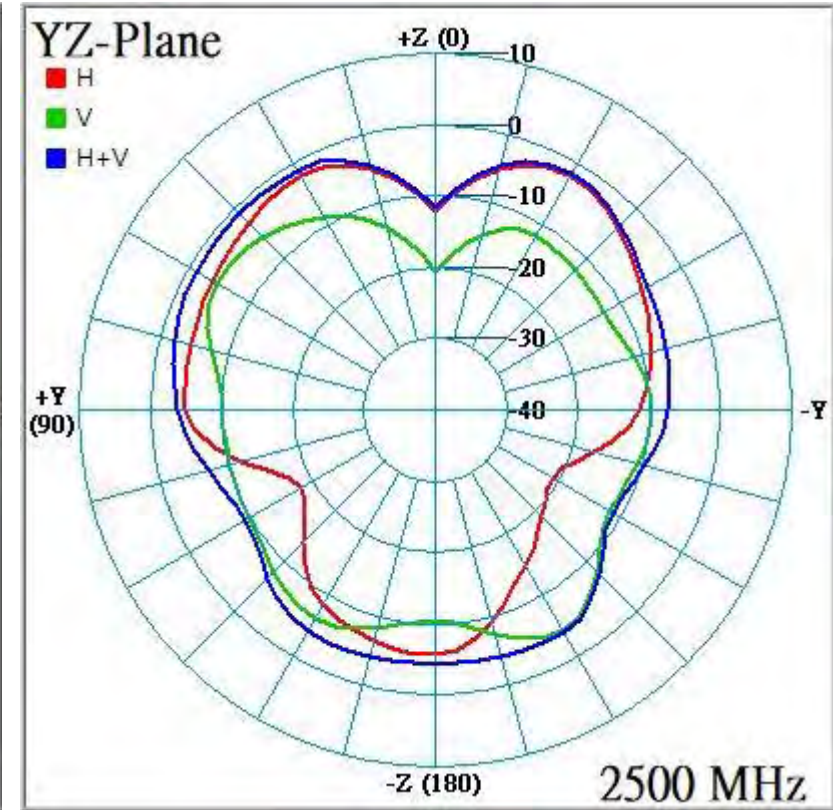
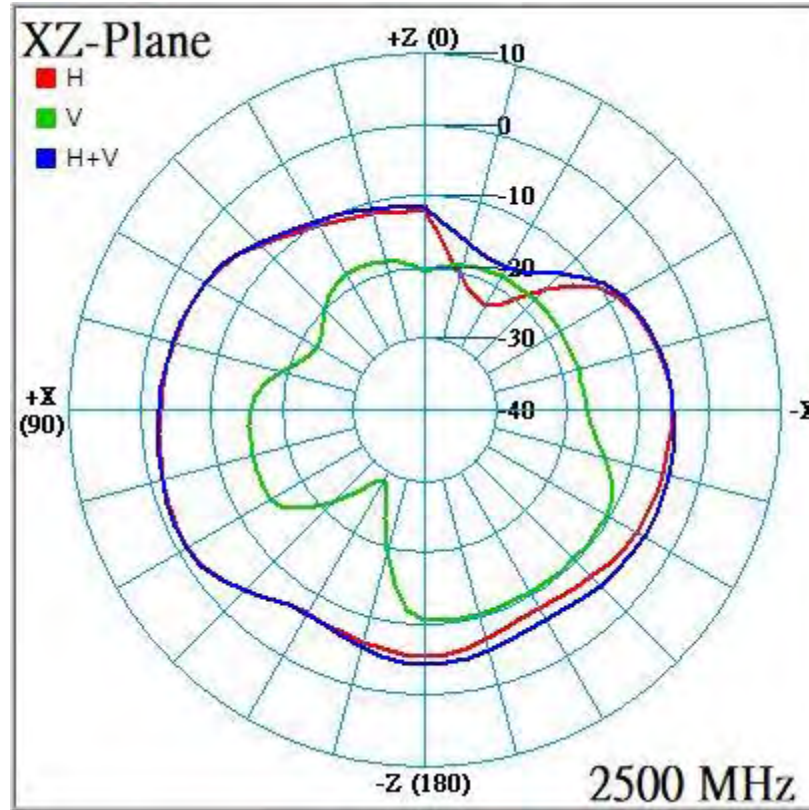
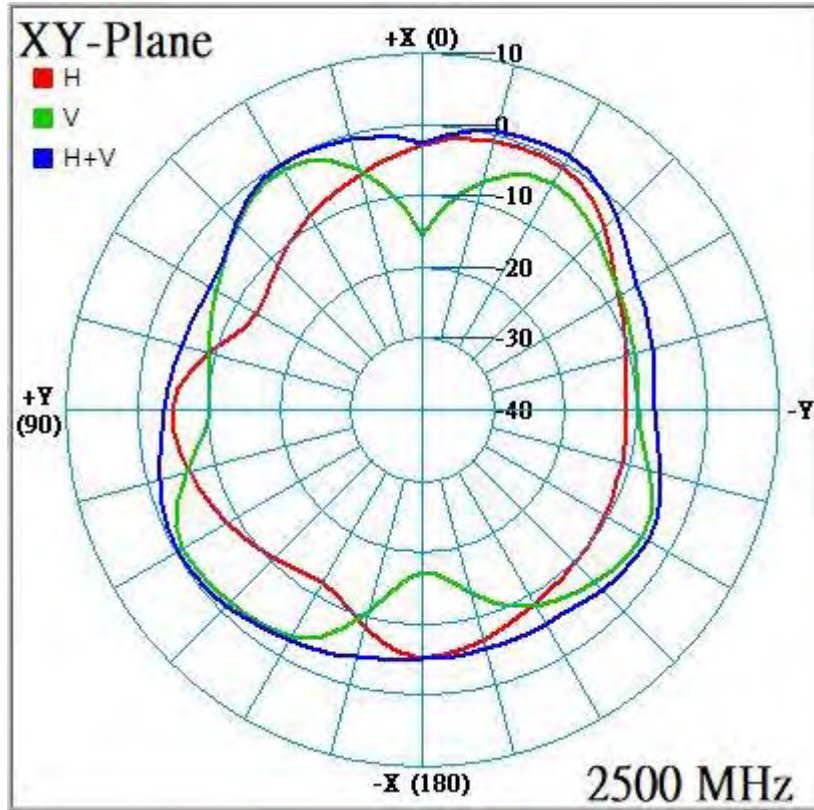
# Radiation characteristics of antenna loaded in Host Platform @ 2450MHz:

- ALP6Y-100005(WiFi Main)



# Radiation characteristics of antenna loaded in Host Platform @ 2500MHz:

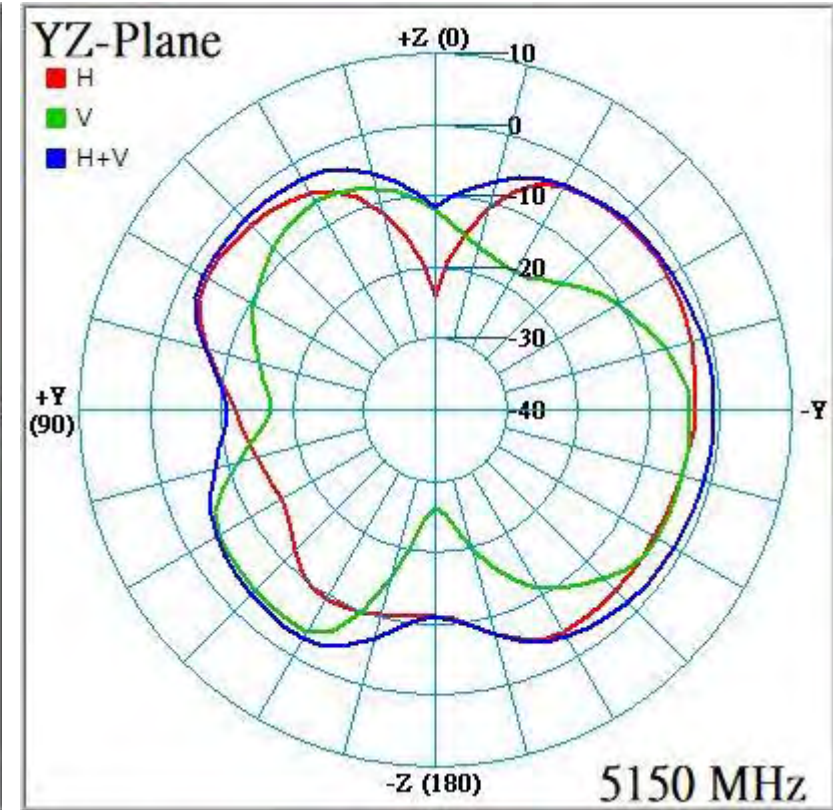
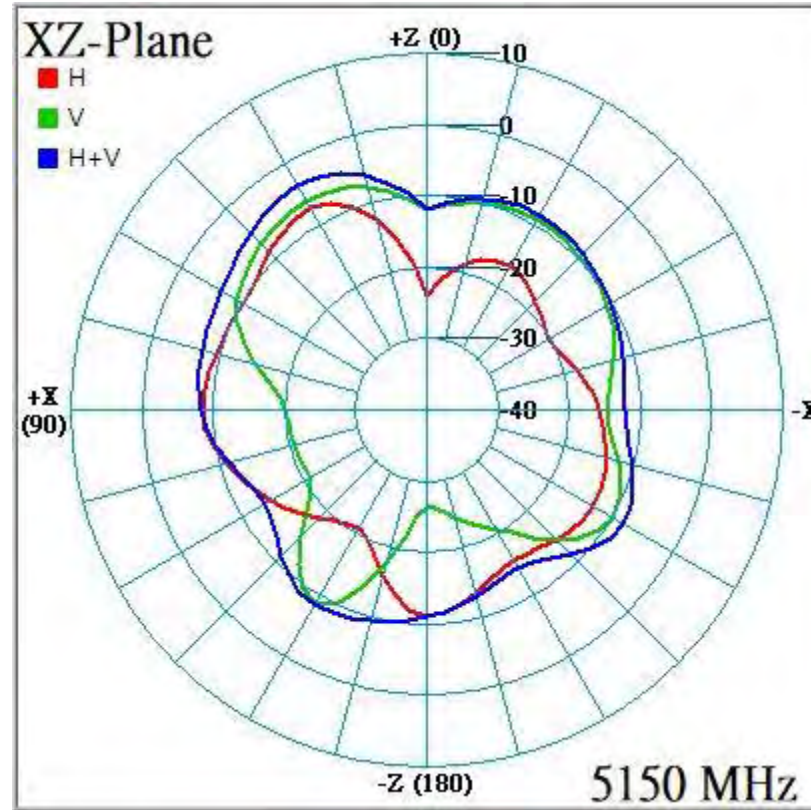
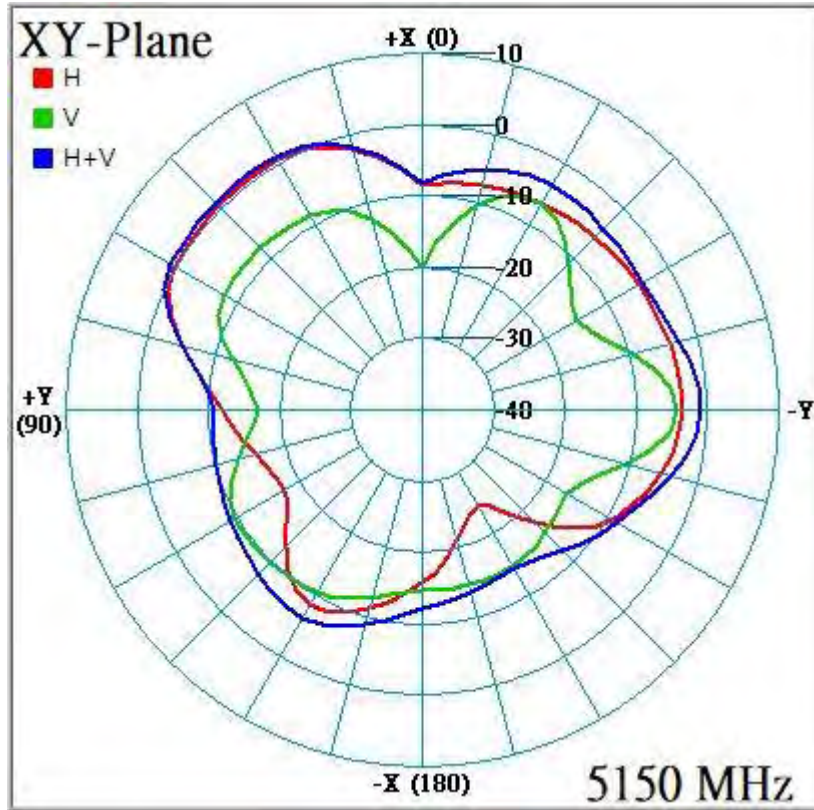
- ALP6Y-100005(WiFi Main)





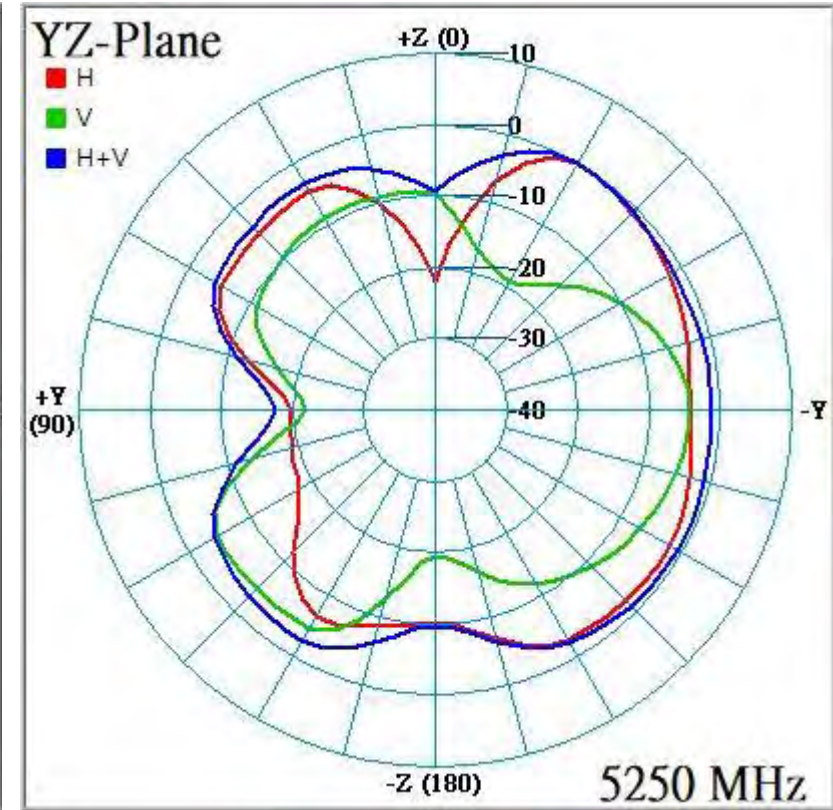
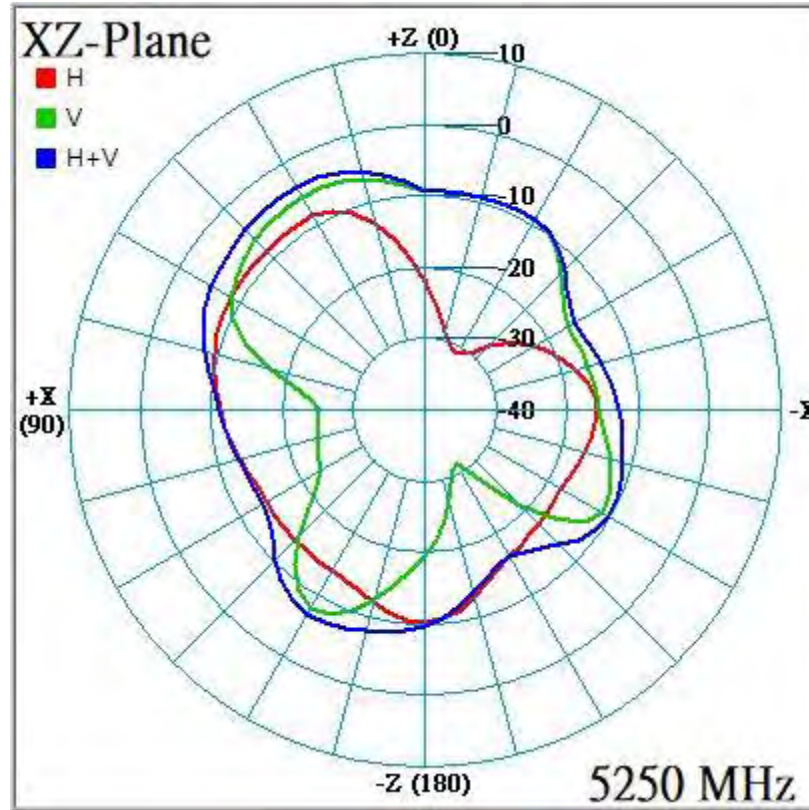
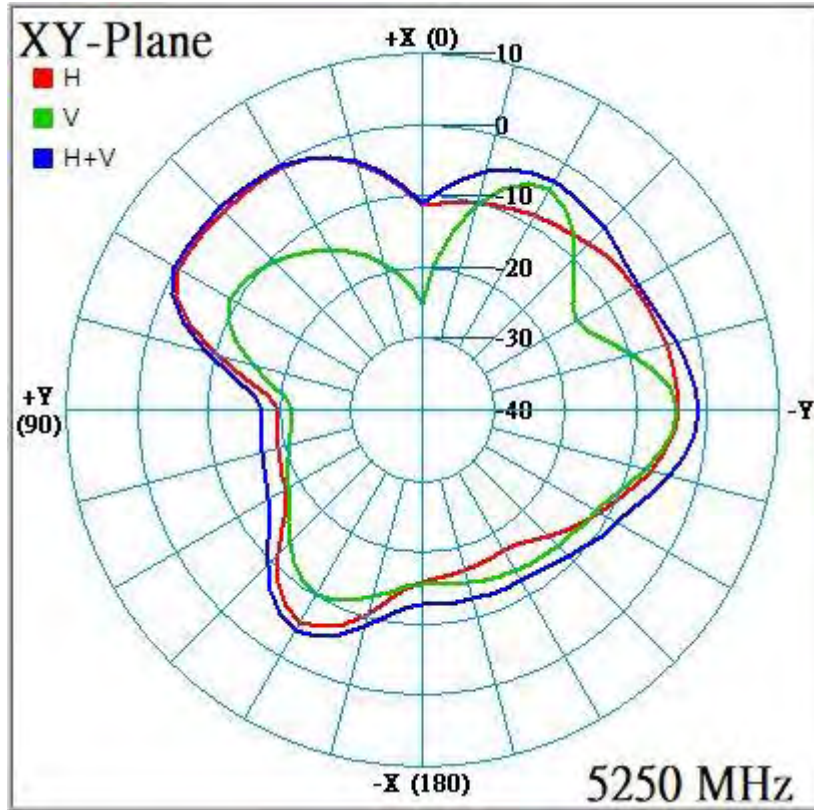
# Radiation characteristics of antenna loaded in Host Platform @ 5150MHz:

- ALP6Y-100005(WiFi Main)



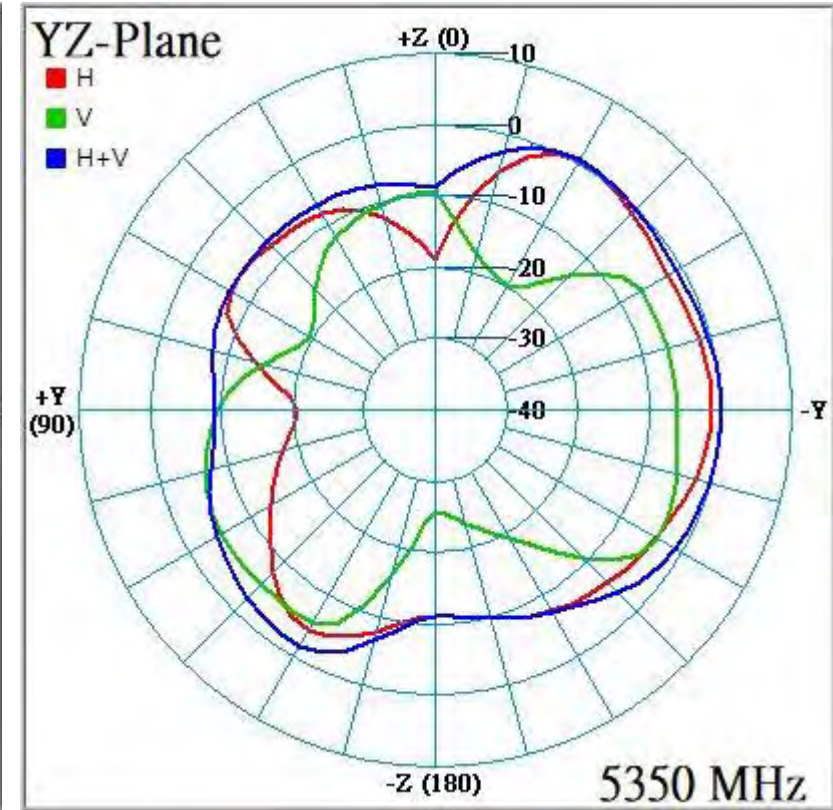
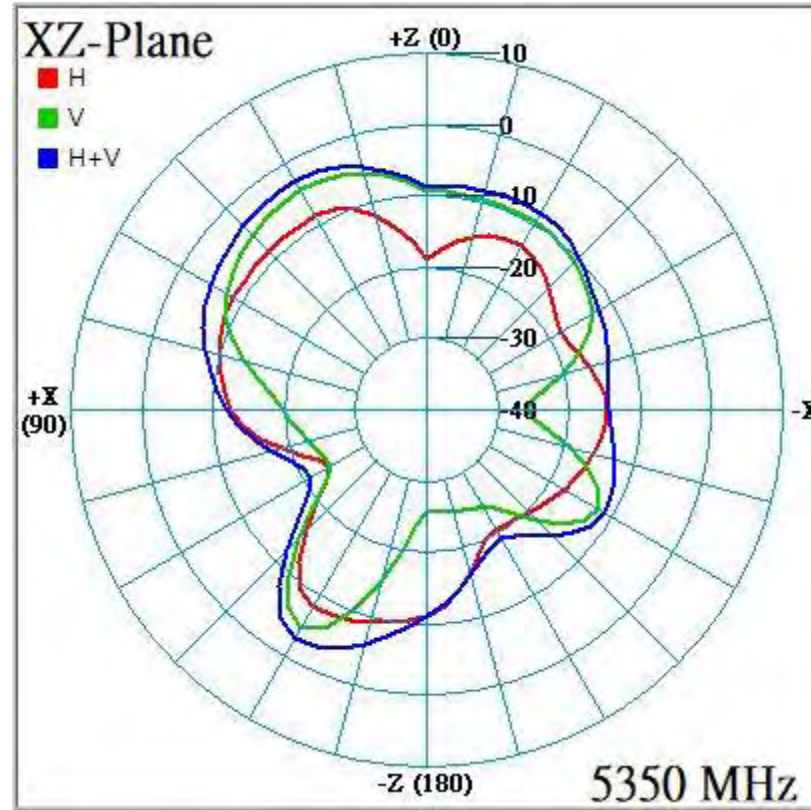
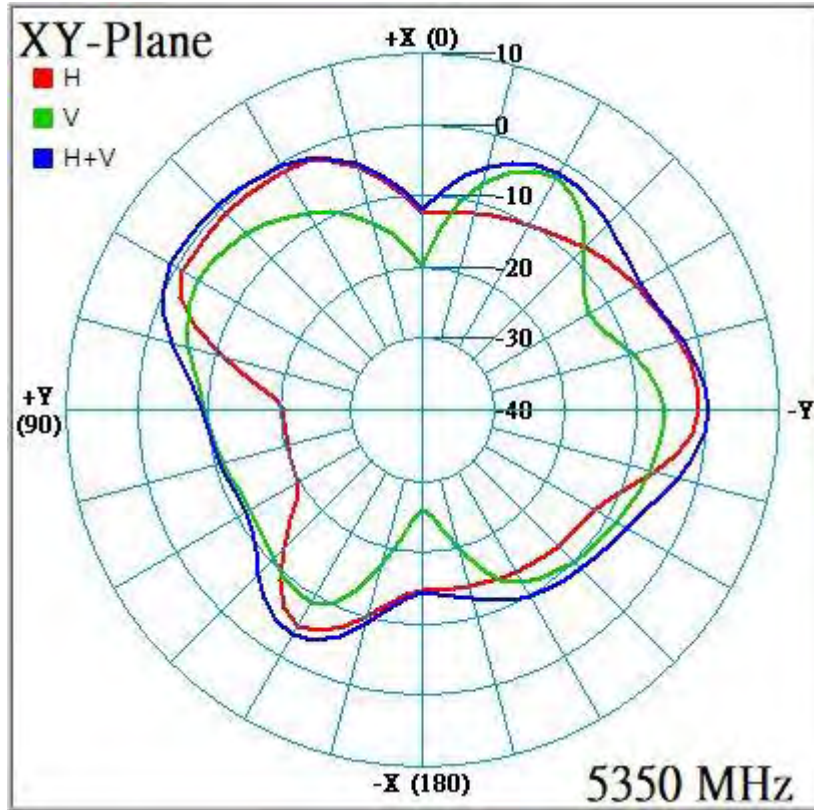
# Radiation characteristics of antenna loaded in Host Platform @ 5250MHz:

- ALP6Y-100005(WiFi Main)



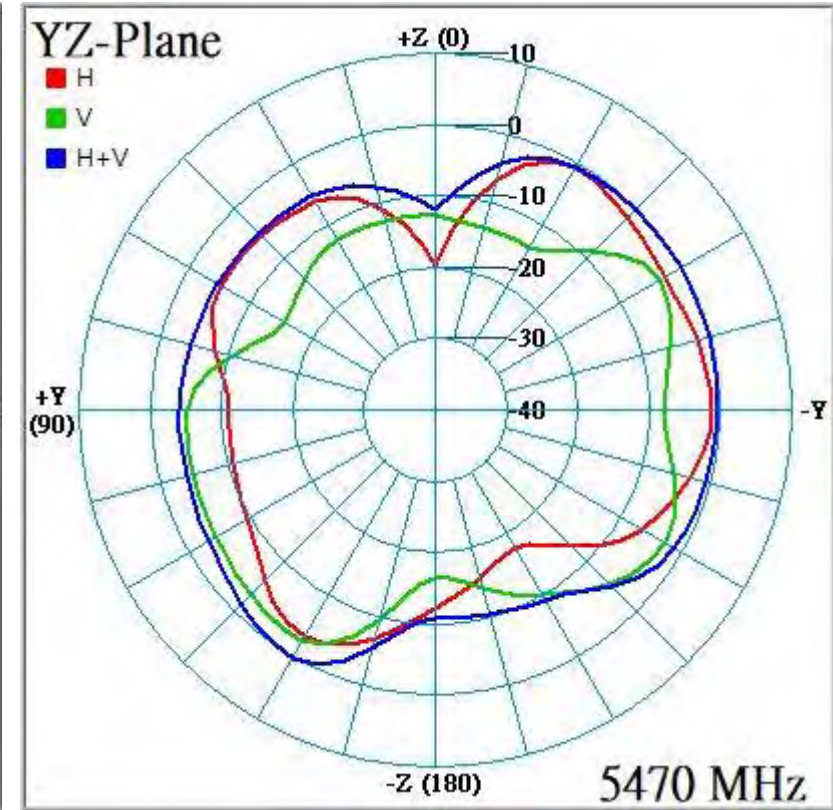
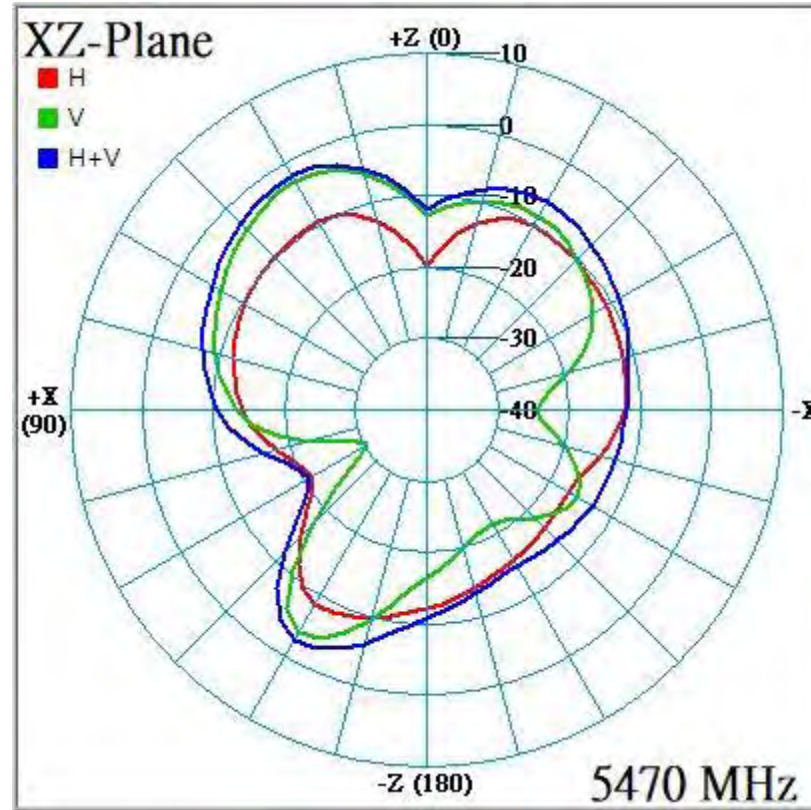
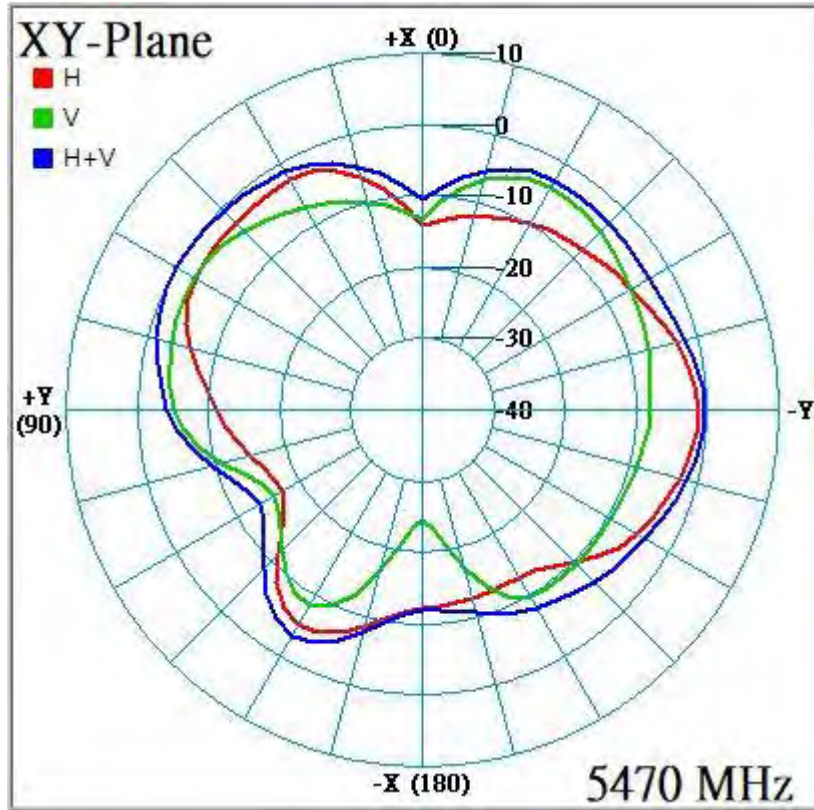
# Radiation characteristics of antenna loaded in Host Platform @ 5350MHz:

- ALP6Y-100005(WiFi Main)



# Radiation characteristics of antenna loaded in Host Platform @ 5470MHz:

- ALP6Y-100005(WiFi Main)



# Radiation characteristics of antenna loaded in Host Platform @ 5600MHz:

- ALP6Y-100005(WiFi Main)

