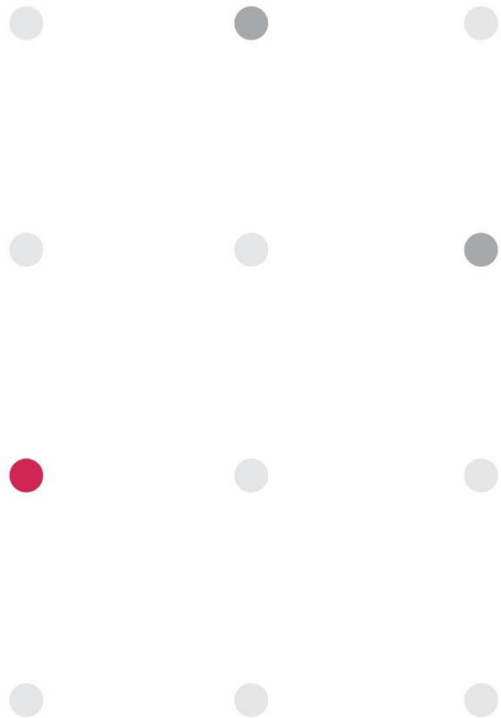


PSA

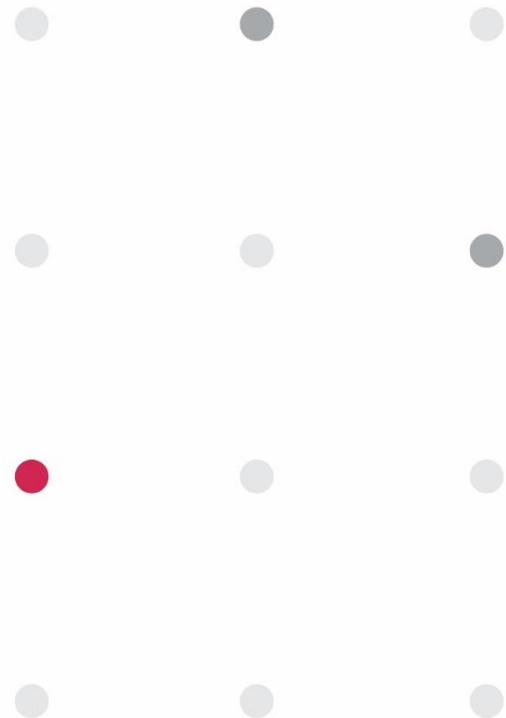
佳邦科技股份有限公司

INPAQ TECHNOLOGY CO., LTD.



PSA

PASSIVE SYSTEM ALLIANCE
INPAQ TECHNOLOGY CO., LTD.



未岚大陆-X4

Presented by

张一鸣

2025/10/22



Version	Date	Description	Author
V01	2025/10/22	New Release	张一鸣

OUTLINE

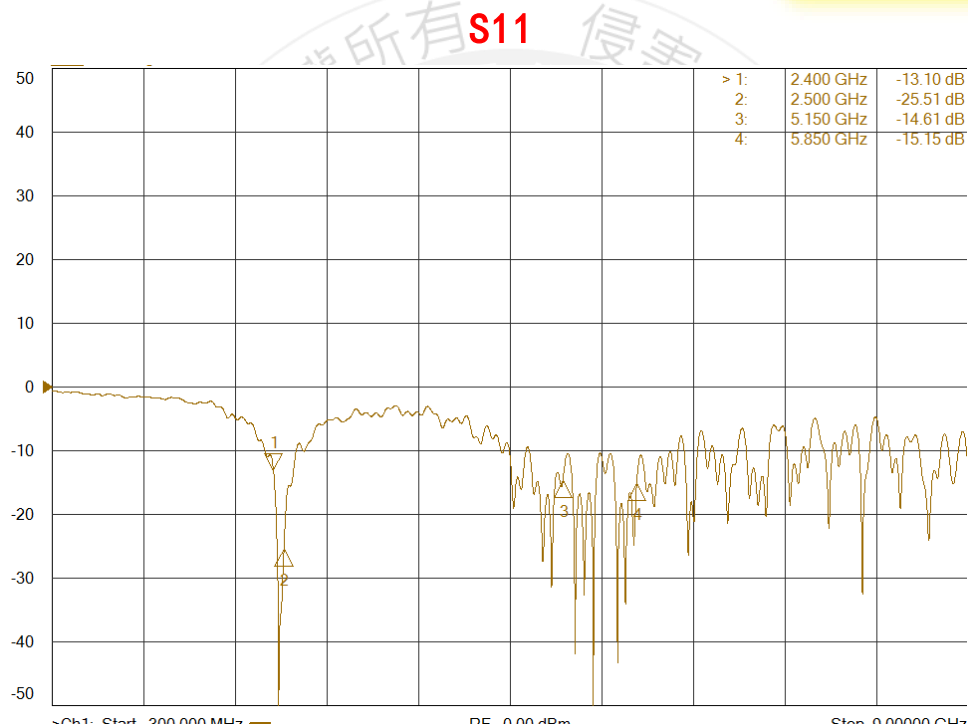
1. Antenna Characteristics

- 1.1 Return Loss
- 1.2 Antenna Efficiency and Peak Gain
- 1.3 2D Radiation Patterns

1. Antenna Characteristics

RFPCA301030IMLB301
WIFI

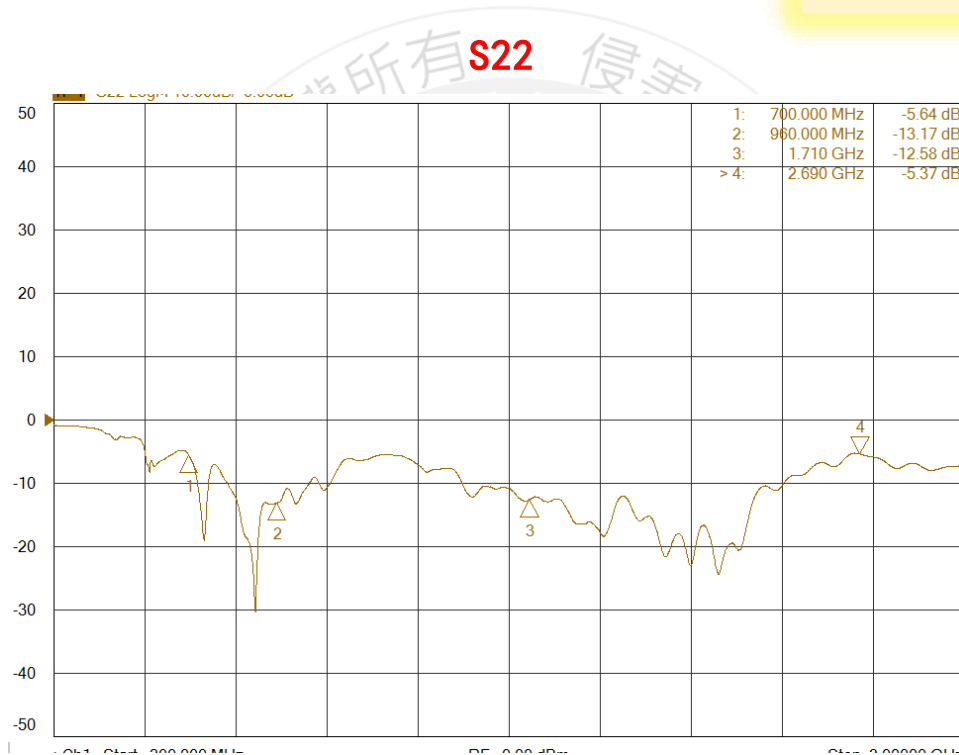
1.1 Return Loss



1. Antenna Characteristics

RFPCA111433IMTB301
4G

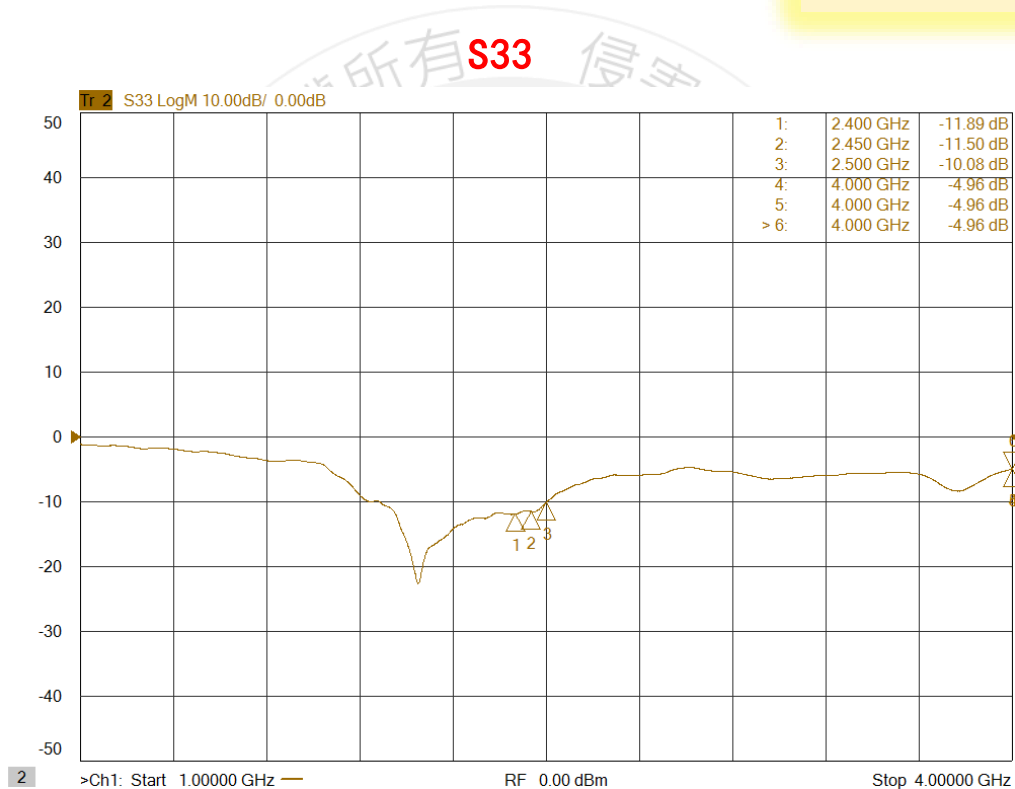
1.1 Return Loss



1. Antenna Characteristics

RFPCA460711EMAB102
BT

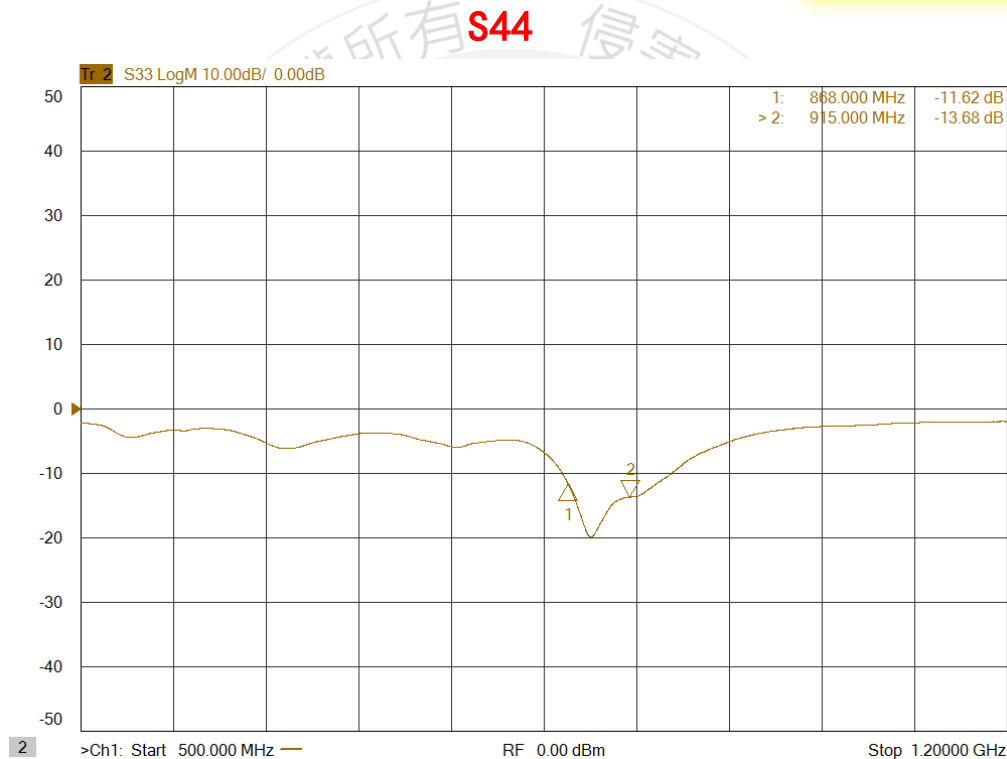
1.1 Return Loss



1. Antenna Characteristics

RFPCA703025NNUB301
868/915

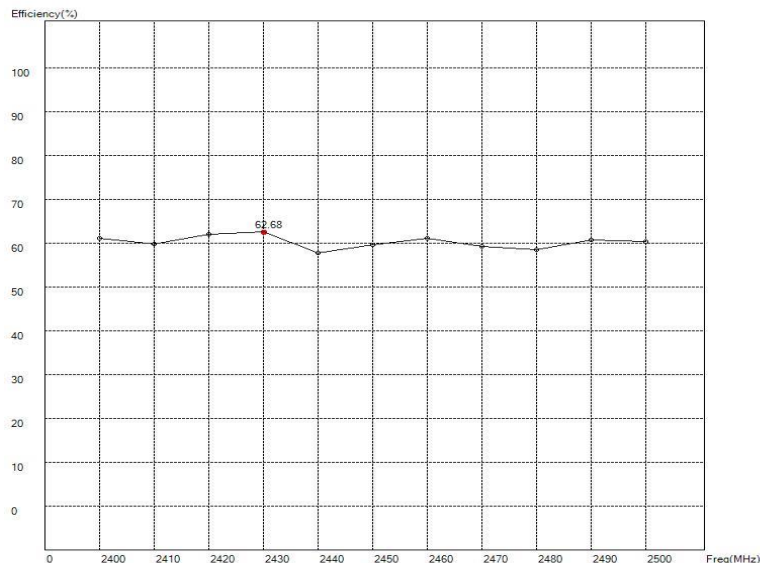
1.1 Return Loss



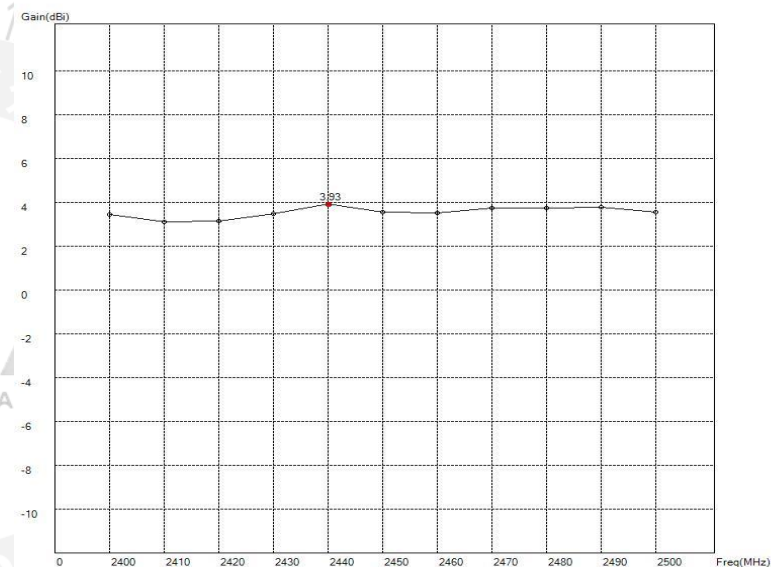
1. Antenna Characteristics

RFPCA301030IMLB301
WIFI_2400-2500

1.2 Antenna Efficiency and Peak Gain



Maximum Efficiency at 2430 MHz : 62.68%

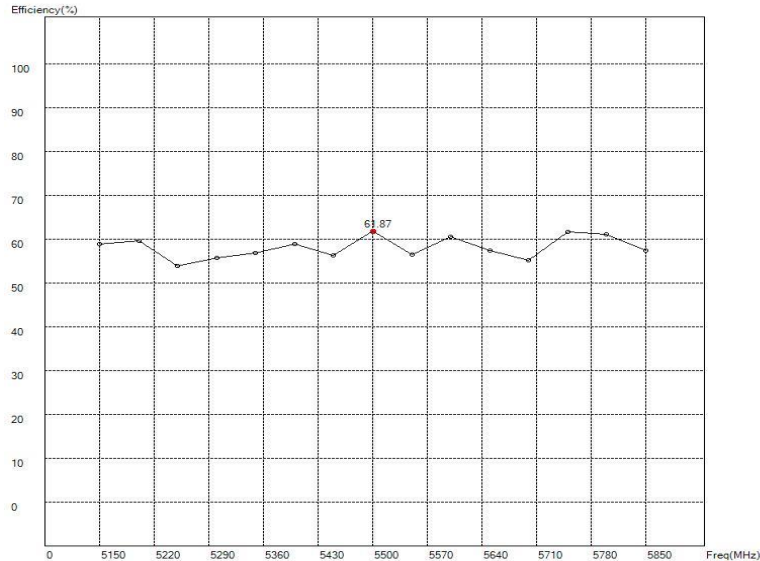


Peak Gain at 2440 MHz : 3.93 dBi

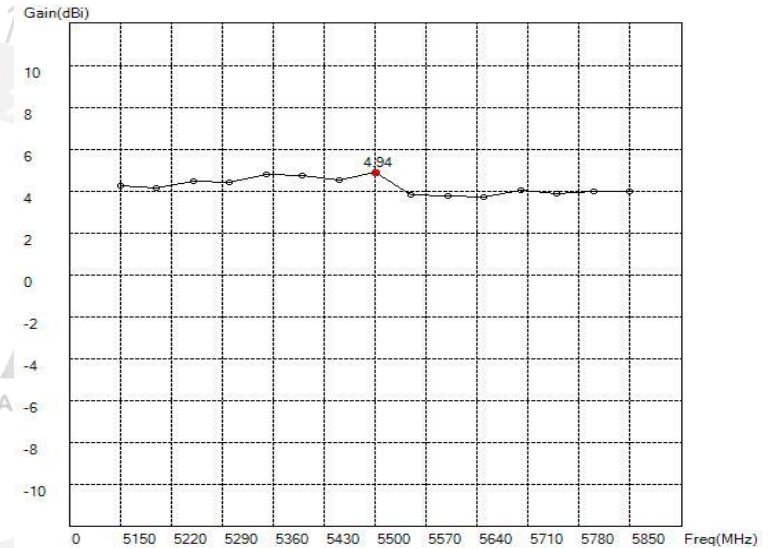
1. Antenna Characteristics

RFPCA301030IMLB301
WIFI_5150-5850

1.2 Antenna Efficiency and Peak Gain



Maximum Efficiency at 5500 MHz : 61.87%

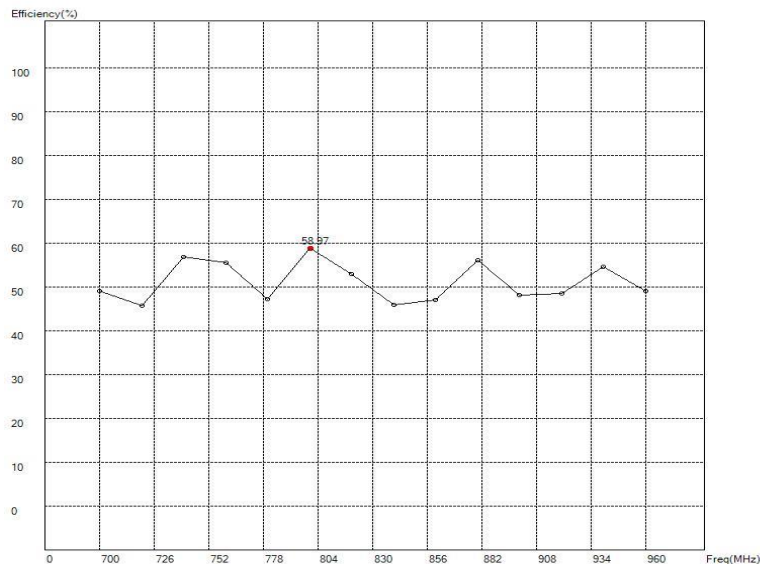


Peak Gain at 5500 MHz : 4.94 dBi

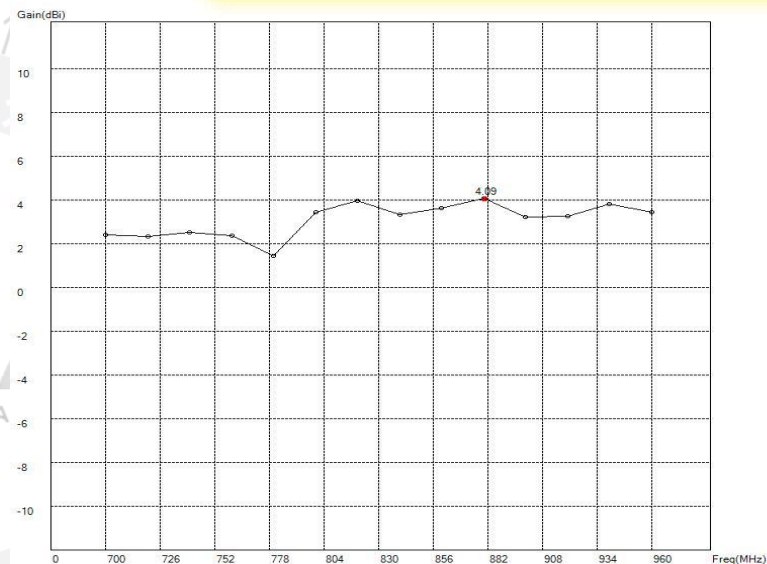
1. Antenna Characteristics

RFPCA111433IMTB301
4G_700-960

1.2 Antenna Efficiency and Peak Gain



Maximum Efficiency at 800 MHz : 58.97%

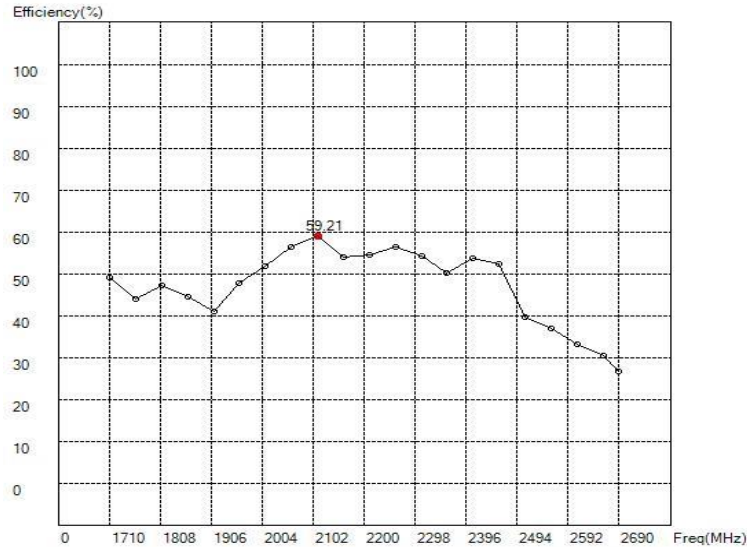


Peak Gain at 880 MHz : 4.09 dBi

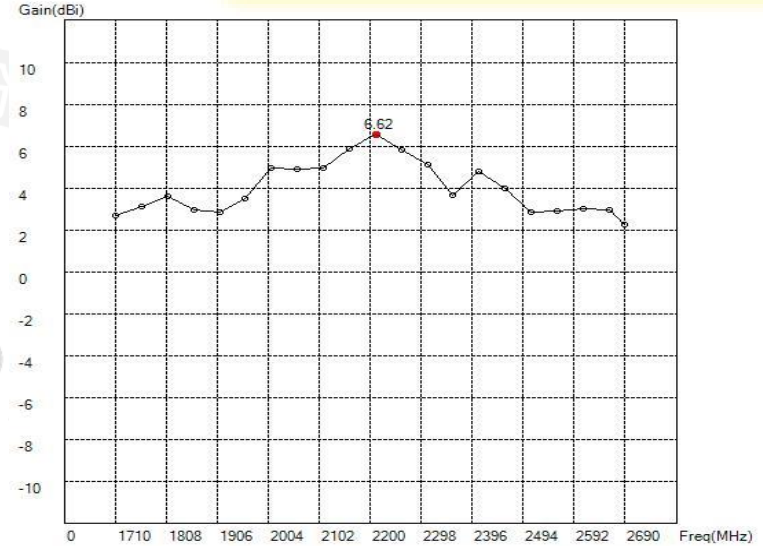
1. Antenna Characteristics

RFPCA111433IMTB301
4G_1710-2690

1.2 Antenna Efficiency and Peak Gain



Maximum Efficiency at 2110 MHz : 59.21%

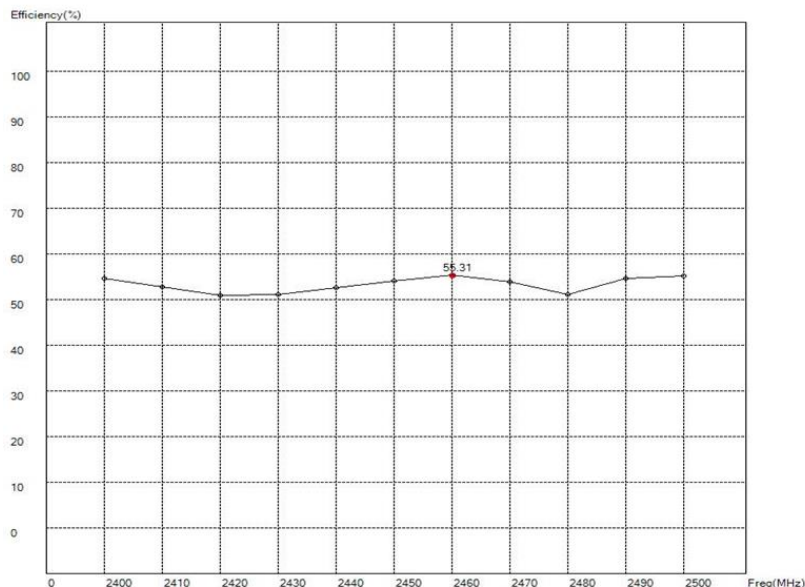


Peak Gain at 2210 MHz : 6.62dBi

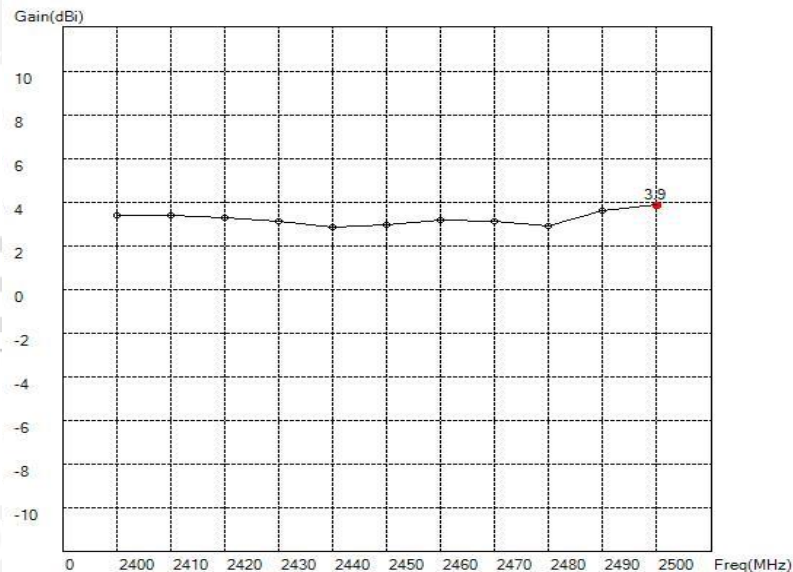
1. Antenna Characteristics

RFPCA460711EMAB102
BT

1.2 Antenna Efficiency and Peak Gain



Maximum Efficiency at 2460 MHz 55.31%

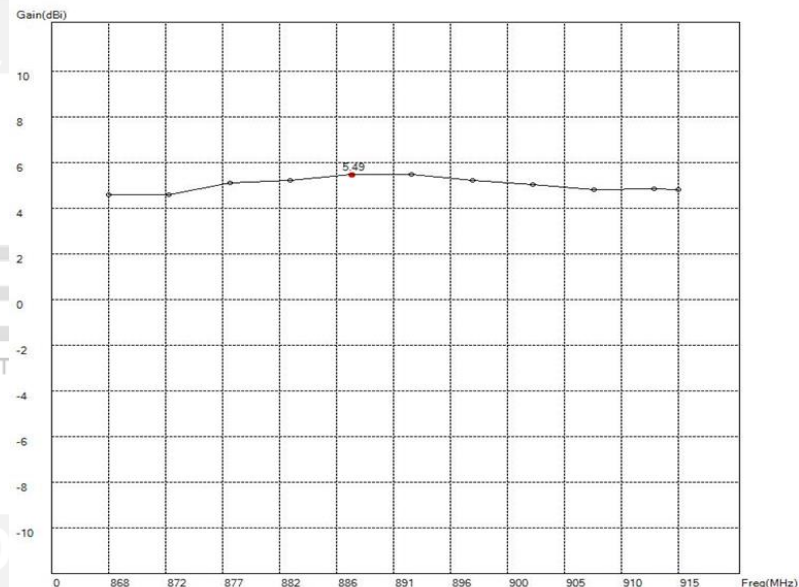


Maximum Peak Gain at 2500 MHz : 3.90dBi

1. Antenna Characteristics

RFPCA703025NNUB301
868/915

1.2 Antenna Efficiency and Peak Gain



Maximum Efficiency at 888 MHz 72.71%

Maximum Peak Gain at 888 MHz : 5.49dBi

1. Antenna Characteristics

1.2 Antenna Efficiency and Peak Gain

RFPCA111433IMTB301		
4G		
Frequency (MHz)	Peak gain (dBi)	Efficiency (%)
700	2.41	49.02
820	3.97	52.88
960	3.45	49.04
1710	2.69	49.16
2170	5.91	54.17
2690	2.30	26.87

RFPCA301030IMLB301		
WIFI		
Frequency (MHz)	Peak gain (dBi)	Efficiency (%)
2400	3.46	61.14
2450	3.56	59.57
2500	3.56	60.30
5150	4.27	58.98
5500	4.94	61.87
5850	4.02	57.38

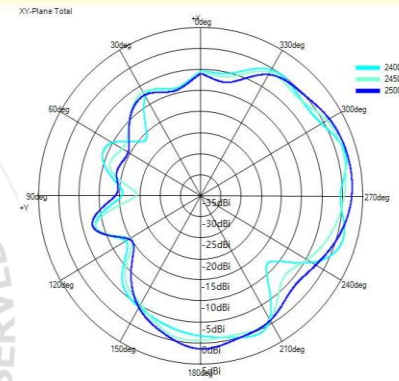
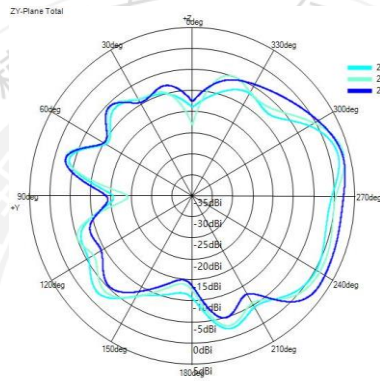
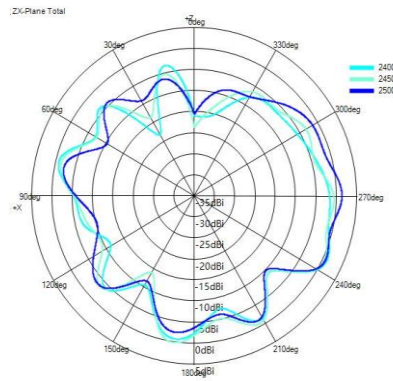
RFPCA460711EMAB102		
BT		
Frequency (MHz)	Peak gain (dBi)	Efficiency (%)
2400	3.43	54.65
2450	2.99	54.09
2500	3.90	55.12

RFPCA703025NNUB301		
868/915		
Frequency (MHz)	Peak gain (dBi)	Efficiency (%)
868	4.59	65.41
893	5.48	69.23
915	4.82	61.74

1. Antenna Characteristics

RFPCA301030IMLB301
WIFI_2400-2500

1.3 2D Radiation Patterns

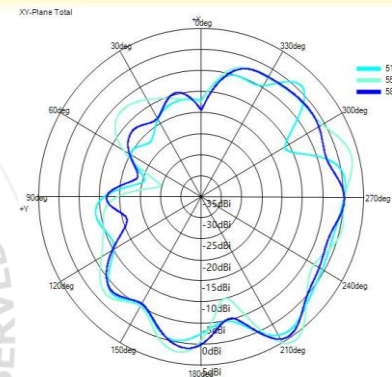
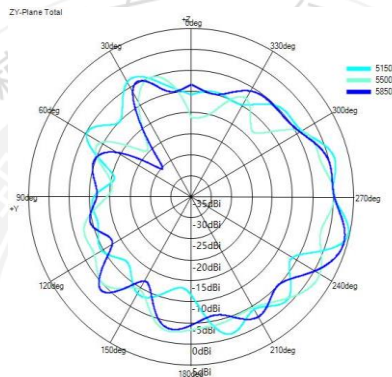
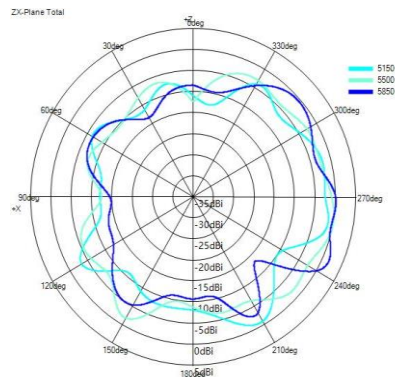


	ZX plane		ZY plane		XY plane	
Frequency [MHz]	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]
2400	-0.05	-4.82	2.15	-3.88	2.03	-3.10
2450	-0.24	-4.69	3.56	-3.13	1.50	-3.26
2500	1.33	-4.15	3.20	-2.42	2.45	-2.24

1. Antenna Characteristics

RFPCA301030IMLB301
WIFI_5150-5850

1.3 2D Radiation Patterns

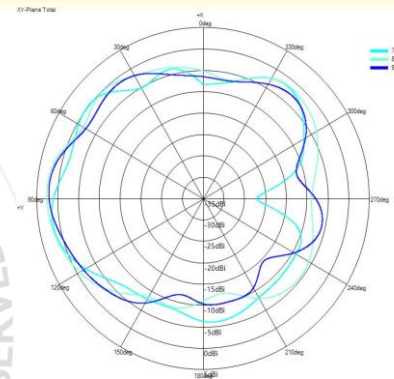
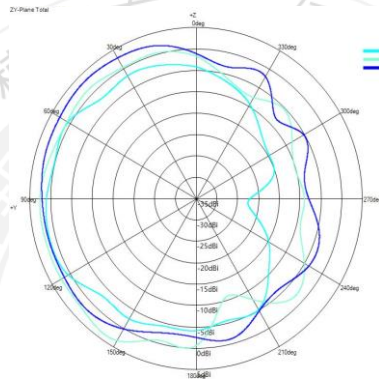
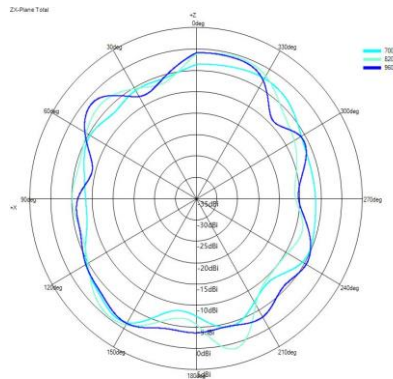


	ZX plane		ZY plane		XY plane	
Frequency [MHz]	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]
5150	-0.90	-5.83	4.27	-3.64	2.90	-3.15
5500	-0.22	-4.65	1.50	-4.98	4.94	-1.79
5850	0.03	-4.81	4.02	-3.92	3.98	-2.85

1. Antenna Characteristics

RFPCA111433IMTB301
4G_700-960

1.3 2D Radiation Patterns

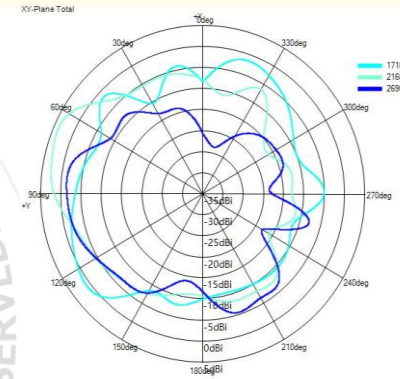
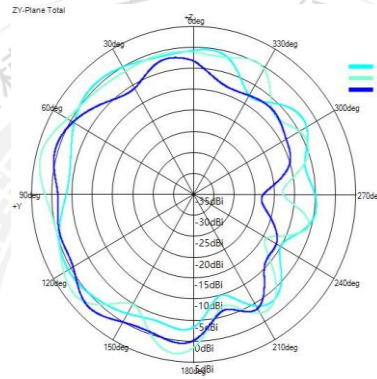
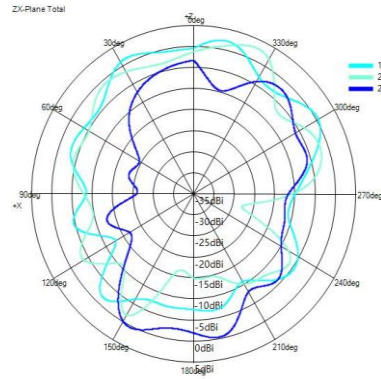


	ZX plane		ZY plane		XY plane	
Frequency [MHz]	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]
700	-1.57	-4.84	1.53	-3.24	1.32	-3.95
820	1.25	-3.74	3.27	-0.71	2.68	-2.81
960	-0.80	-4.06	3.45	-0.07	2.15	-3.76

1. Antenna Characteristics

RFPCA111433IMTB301
4G_1710-2690

1.3 2D Radiation Patterns

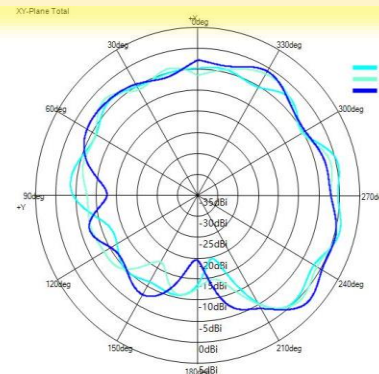
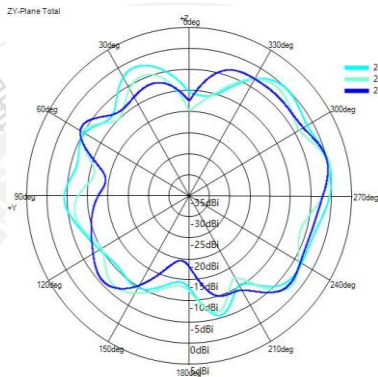
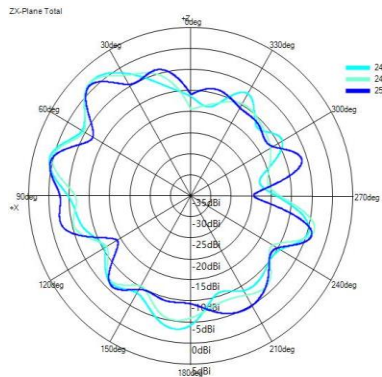


	ZX plane		ZY plane		XY plane	
Frequency [MHz]	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]
1710	2.08	-2.88	0.88	-2.32	0.46	-4.79
2160	1.97	-3.45	3.93	-1.19	3.40	-4.05
2690	-0.03	-6.05	2.30	-3.16	-1.42	-7.71

1. Antenna Characteristics

RFPCA460711EMAB102
BT

1.3 2D Radiation Patterns

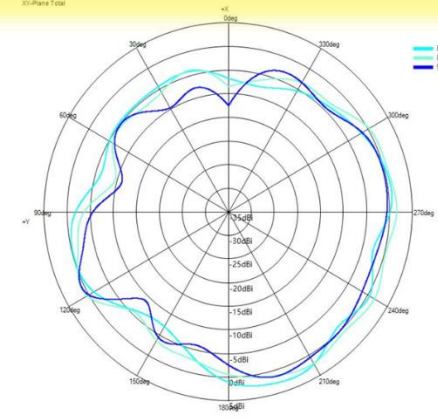
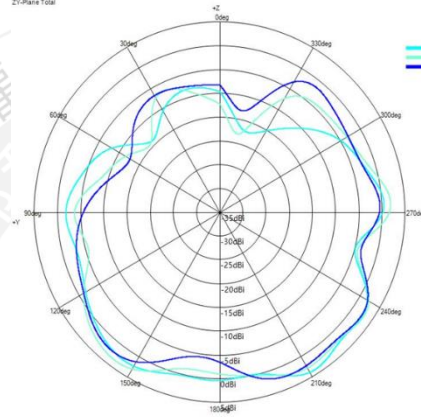
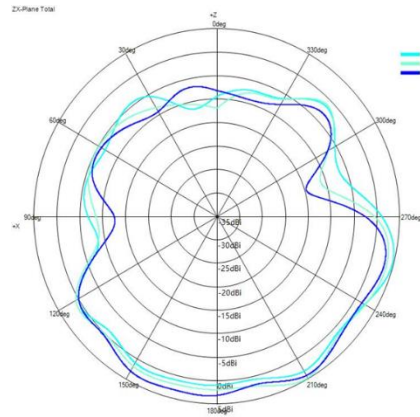


	ZX plane		ZY plane		XY plane	
Frequency [MHz]	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]
2400	1.21	-5.60	0.10	-4.20	1.00	-4.05
2450	1.44	-5.73	-0.22	-5.39	0.46	-4.11
2500	1.12	-5.39	-0.12	-5.25	1.91	-3.60

1. Antenna Characteristics

RFPCA703025NNUB301
868/915

1.3 2D Radiation Patterns



	ZX plane		ZY plane		XY plane	
Frequency [MHz]	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]
868	4.59	-1.34	3.82	-1.83	2.59	-1.77
893	4.65	-1.16	3.00	-1.58	1.97	-1.44
915	4.07	-1.50	2.21	-1.86	1.16	-2.79

Thank you

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