



尚远科技（中国）有限公司
Sunnyway Technology (china) Co., LTD.

Infomation

Manufacturer	小辣椒				
Model Name	AP37				
Date	2025/06.10				
Designer	高辉				
Serial Number/ESN/	A1				
Band	GSM 850/900/ 1800/1900				
	WCDMA 2/4/5				
	LTE 2/4/5/12/13/17/25/26/66/71/41				
	GPS+WIFI 802.11 a/b/g/n				

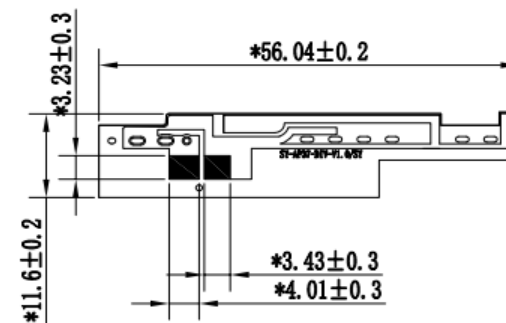
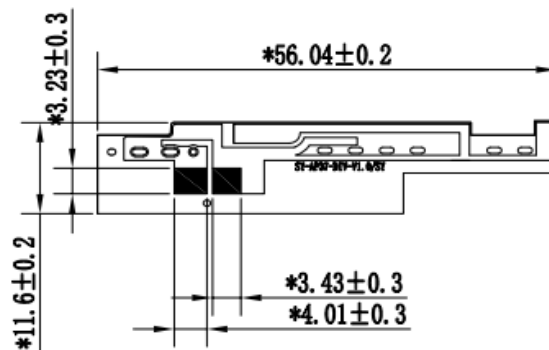
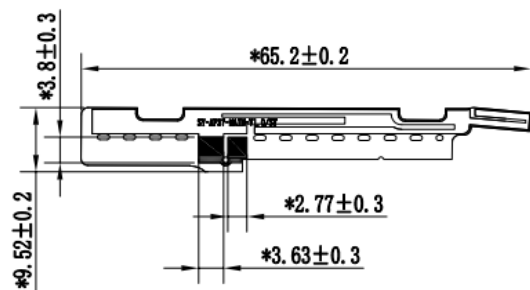
Matching circuit

Antenna size

MAIN

DIV

GWB



Antenna Gain

PEAK Gain	GSM900: 0.8dBi DCS1800: 1.4dBi WCDMA 2: 1.0dBi WCDMA 4: 1.2dBi WCDMA 5: 0.5dBi LTE2: 1.2dBi LTE4: 0.8dBi LTE5: 0.8dBi LTE12: -0.6dBi LTE13: -0.2dBi LTE17: -0.7dBi LTE25: 1.3dBi
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	LTE26: 0.4dBi LTE41: 1.5dBi LTE66: 1.2dBi LTE71: -1.5dBi GPS: 1.3 dBi 2.4WIFI: 1.1dBi 5.8WIFI: -0.5dBi
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OTA

MAIN

Measurement	Band	Total
TRP	FDD_B2(10MHz)	17.08
TRP	FDD_B2(10MHz)	17.74
TRP	FDD_B2(10MHz)	18.25
TIS(RSSI)	FDD_B2(10MHz)	-91.65
TRP	FDD_B4(10MHz)	19.05
TRP	FDD_B4(10MHz)	18.99
TRP	FDD_B4(10MHz)	18.86
TIS(RSSI)	FDD_B4(10MHz)	-91.32
TRP	FDD_B5(10MHz)	17.75
TRP	FDD_B5(10MHz)	17.62
TRP	FDD_B5(10MHz)	17.51
TIS(RSSI)	FDD_B5(10MHz)	-91.67
TRP	FDD_B7(10MHz)	15.98
TRP	FDD_B7(10MHz)	17.31
TRP	FDD_B7(10MHz)	17.24
TIS(RSSI)	FDD_B7(10MHz)	-94.23
TRP	FDD_B12(10MHz)	15.87
TRP	FDD_B12(10MHz)	16.07

Measurement	Band	Total
TRP	GSM850	26.45
TRP	GSM850	26.51
TRP	GSM850	26.32
TIS(RSSI)	GSM850	-101.54
TRP	GSM900	23.56
TRP	GSM900	23.49
TRP	GSM900	24.05
TRP	GSM900	-104.36
TRP	DCS1800	23.74
TRP	DCS1800	25.31
TRP	DCS1800	25.29
TIS(RSSI)	DCS1800	-103.85
TRP	PCS1900	24.75
TRP	PCS1900	24.86
TRP	PCS1900	25.69
TIS(RSSI)	PCS1900	-102.84
TRP	WCDMA_B2	16.99
TRP	WCDMA_B2	18.32

GPS

Band	TIS
GPS	
	-142.2

TRP	FDD_B12(10MHz)	16.18
TIS(RSSI)	FDD_B12(10MHz)	-91.52
TRP	FDD_B13(10MHz)	17.41
TIS(RSSI)	FDD_B13(10MHz)	-90.63
TRP	FDD_B25(10MHz)	17.75
TRP	FDD_B25(10MHz)	18.55
TRP	FDD_B25(10MHz)	17.49
TIS(RSSI)	FDD_B25(10MHz)	-92.85
TRP	FDD_B26(10MHz)	17.01
TRP	FDD_B26(10MHz)	16.63
TRP	FDD_B26(10MHz)	16.74
TIS(RSSI)	FDD_B26(10MHz)	-91.15
TRP	FDD_B30(10MHz)	18.21
TIS(RSSI)	FDD_B30(10MHz)	-91.33
TRP	TDD_B38(20MHz)	20.01
TRP	TDD_B38(20MHz)	19.98
TRP	TDD_B38(20MHz)	19.77
TIS(RSSI)	TDD_B38(20MHz)	-97.12
TRP	TDD_B40(20MHz)	18.62
TRP	TDD_B40(20MHz)	18.78
TRP	TDD_B40(20MHz)	18.54
TIS(RSSI)	TDD_B40(20MHz)	-91.36
TRP	TDD_B41(20MHz)	20.75
TRP	TDD_B41(20MHz)	20.78
TRP	TDD_B41(20MHz)	19.26
TIS(RSSI)	TDD_B41(20MHz)	-91.23
TRP	FDD_B66(10MHz)	19.45
TRP	FDD_B66(10MHz)	19.59
TRP	FDD_B66(10MHz)	18.41
TIS(RSSI)	FDD_B66(10MHz)	-89.21
TRP	FDD_B71(10MHz)	15.43
TRP	FDD_B71(10MHz)	15.76
TRP	FDD_B71(10MHz)	16.15

TRP	WCDMA_B2	18.21
TIS(RSSI)	WCDMA_B2	-103.63
TRP	WCDMA_B4	18.75
TIS(RSSI)	WCDMA_B4	18.99
TRP	WCDMA_B4	19.05
TRP	WCDMA_B4	-102.34
TRP	WCDMA_B5	17.48
TIS(RSSI)	WCDMA_B5	16.32
TRP	WCDMA_B5	16.98
TRP	WCDMA_B5	-103.75

WIFI

802.11b 11mbps	Wifi 2.4G(B)		
	1	6	11
Frequency (MHz)	2,412	2,437	2,467
TRP(dBm)	11.65	11.74	11.78
TIS(dBm)			-82.79

802.11g 54mbps	wifi 2.4G(G)		
	1	6	11
Frequency (MHz)	2,412	2,437	2,467
TRP(dBm)	10.23	11.05	10.74
TIS(dBm)			-69.85

802.11n MCS7	Wifi 2.4G(N)		
	1	6	11
Frequency (MHz)	2,412	2,437	2,467
TRP(dBm)	9.93	10.31	10.42
TIS(dBm)			-67.26

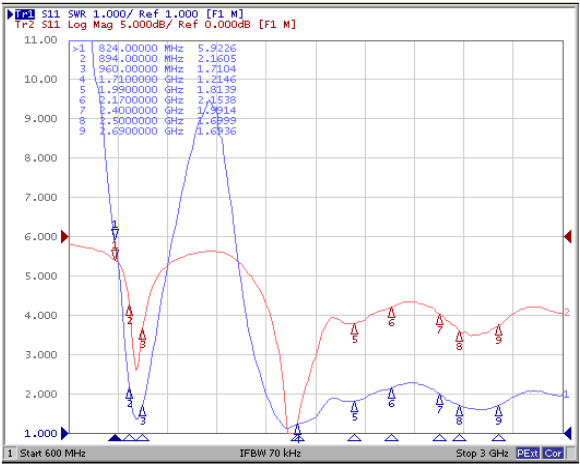
802.11a 54mbps	wifi 5G(A)		
	36	149	165
Frequency (MHz)	5,180	5,745	5,825
TRP(dBm)	8.96	9.74	9.22

TIS(RSSI)	FDD_B71(10MHz)	-89.06
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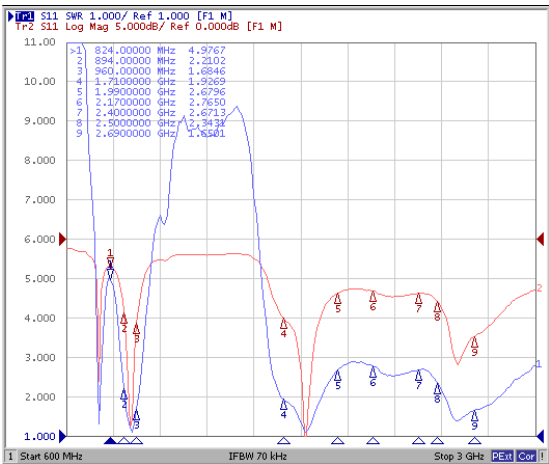
TIS(dBm)			-71.59
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S11/方向图

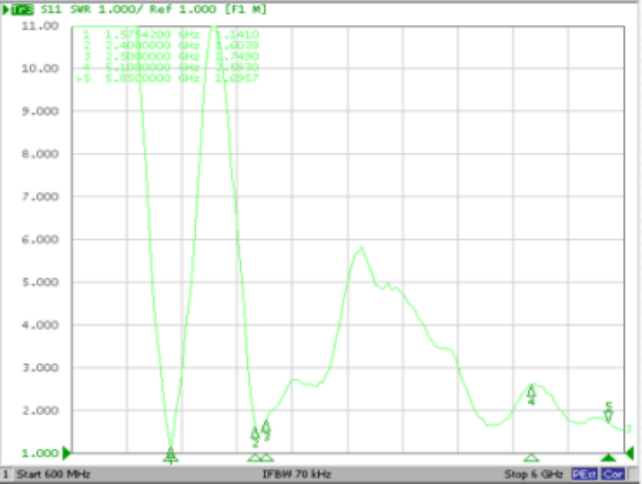
MAIN



DIV



GWB



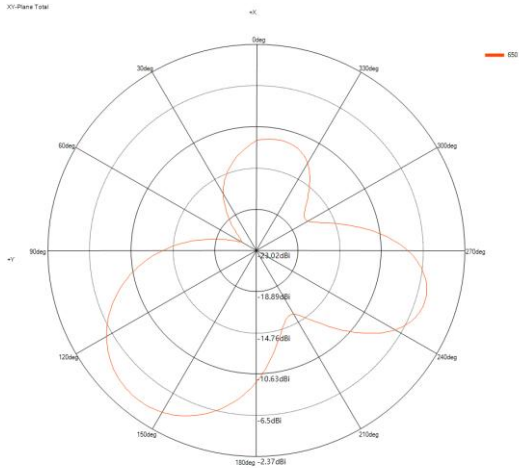
MAIN

R71

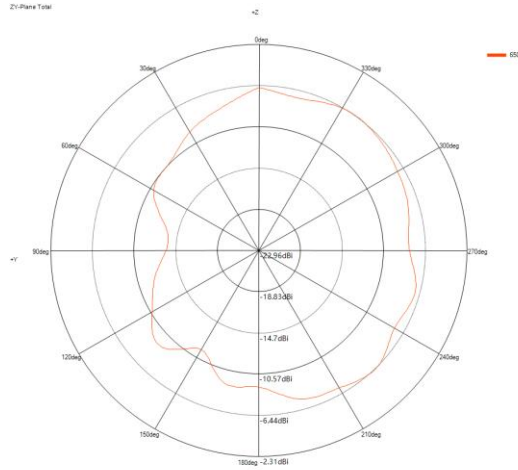
802.11n	wifi 5G(N)		
MCS7	36	149	165
Frequency (MHz)	5,180	5,745	5,825
TRP(dBm)	8.68	8.42	8.39
TIS(dBm)			-68.22

B7/1

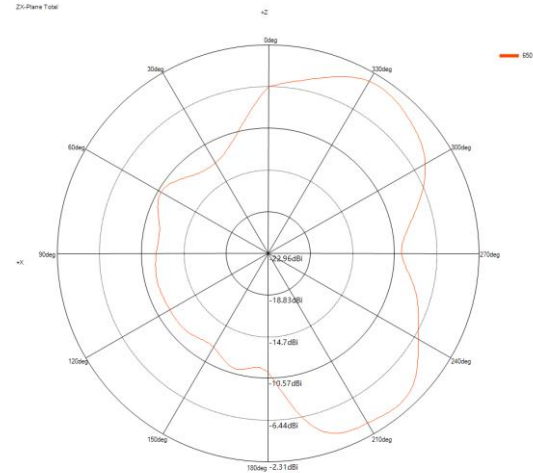
XY-Plane Total



ZY-Plane Total

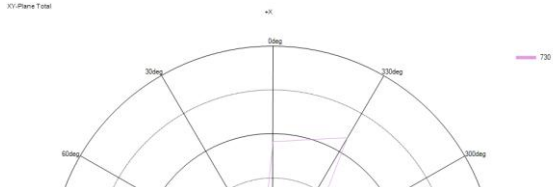


ZX-Plane Total

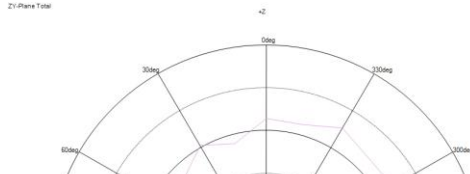


B12/13/17

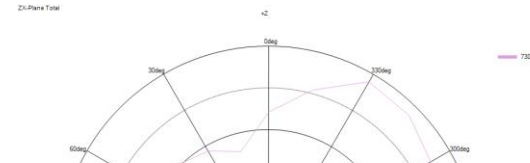
XY-Plane Total

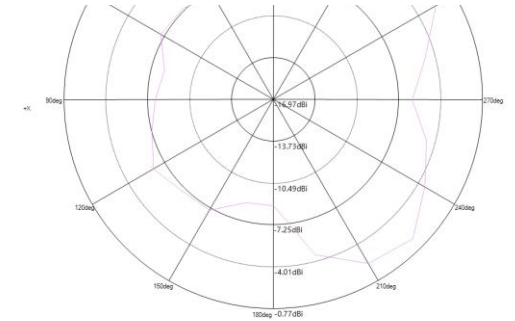
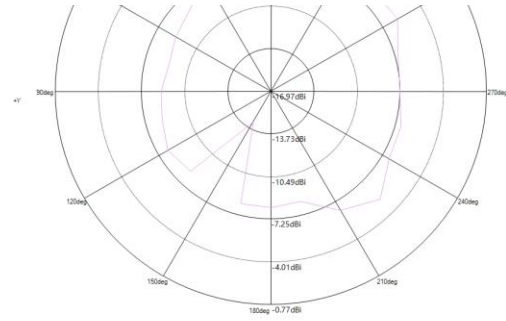
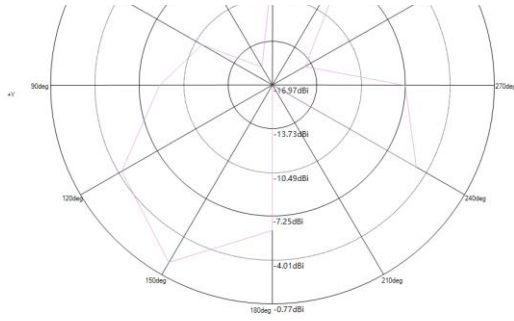


ZY-Plane Total

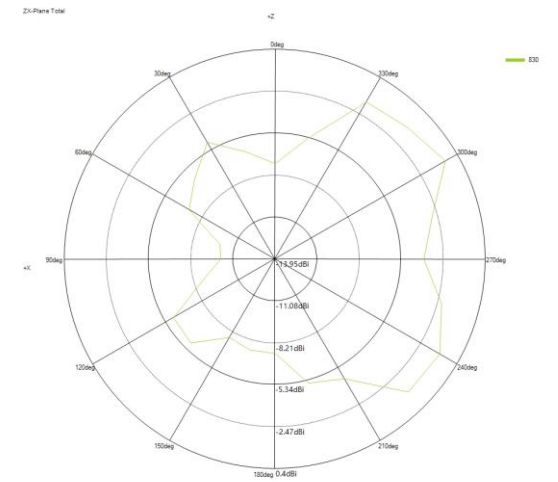
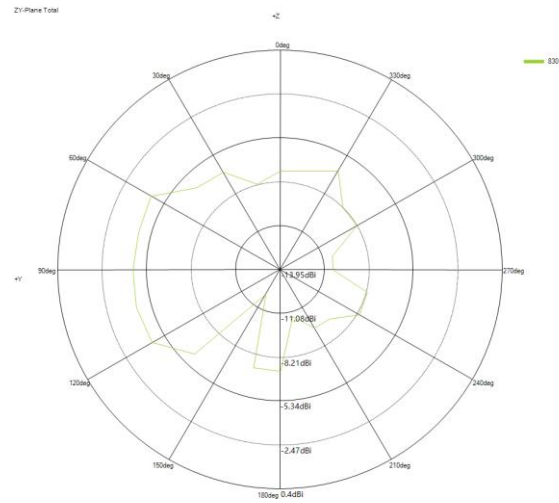
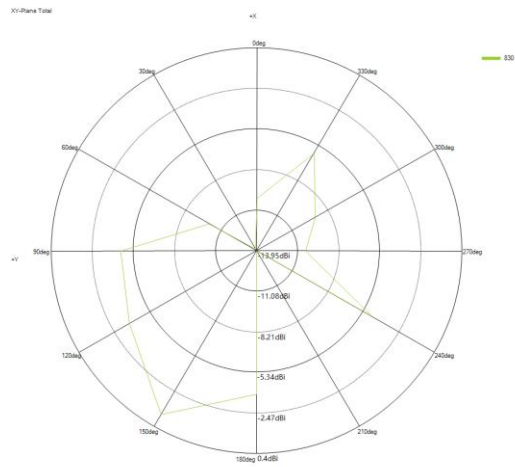


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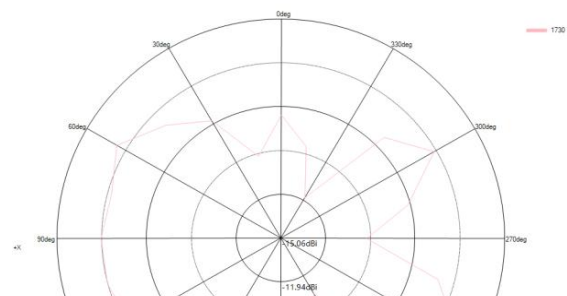
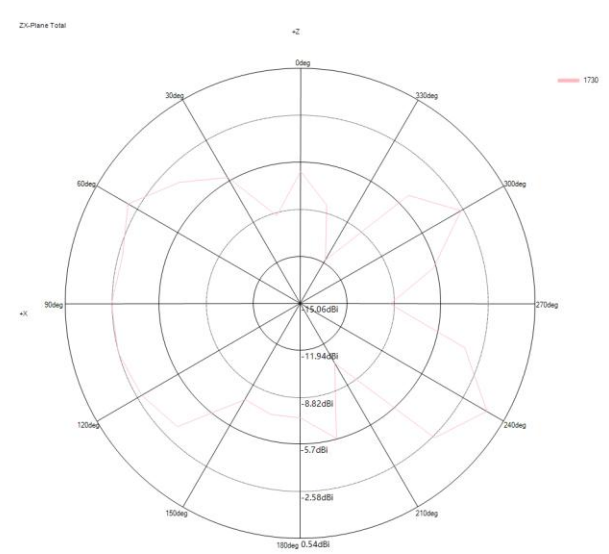
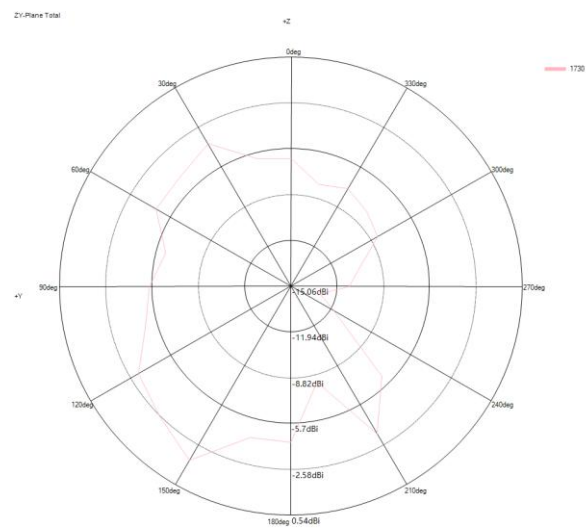
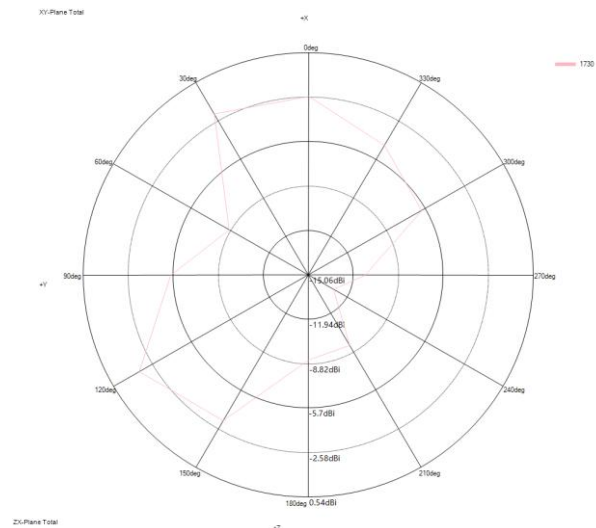


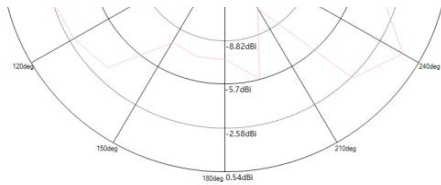


B5/26



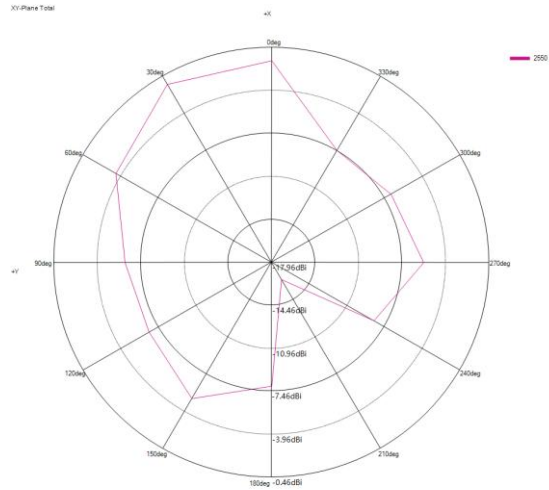
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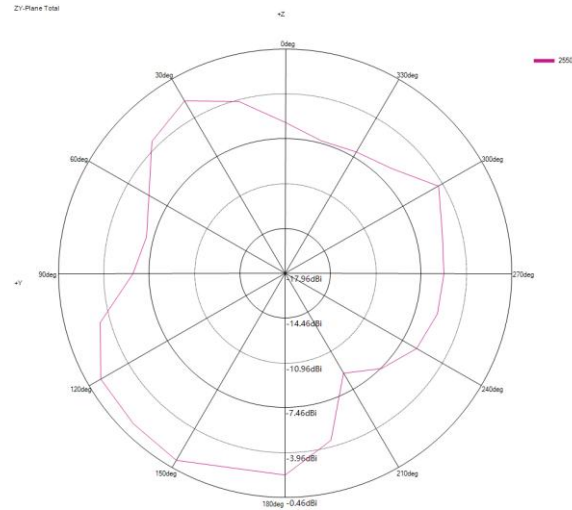


B41

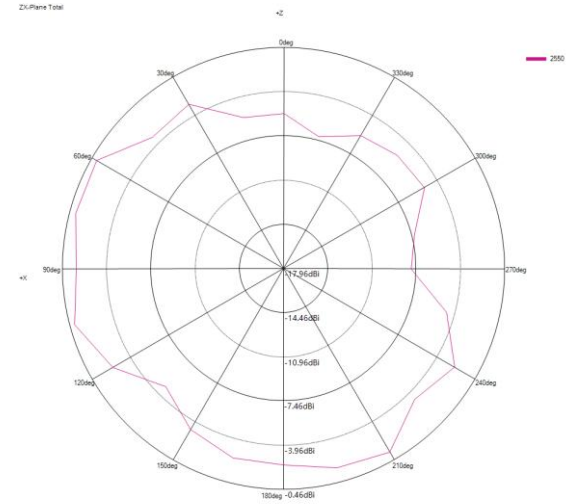
XY Plane Total



ZY Plane Total

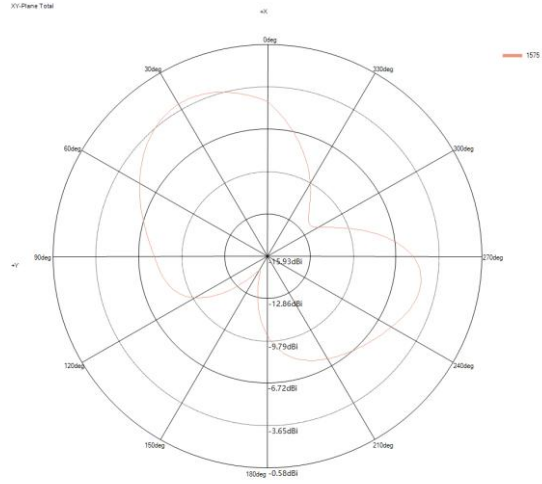


ZX Plane Total

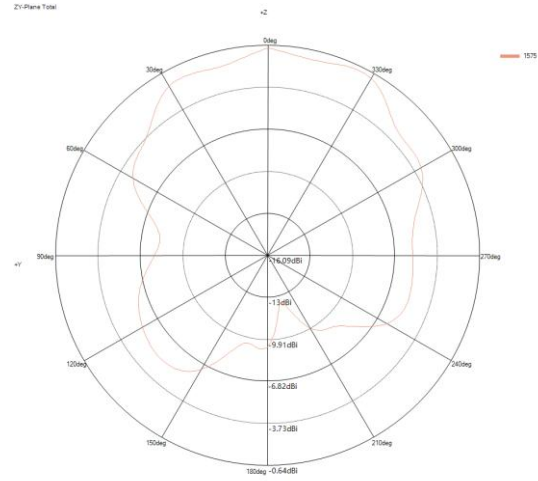


GPS

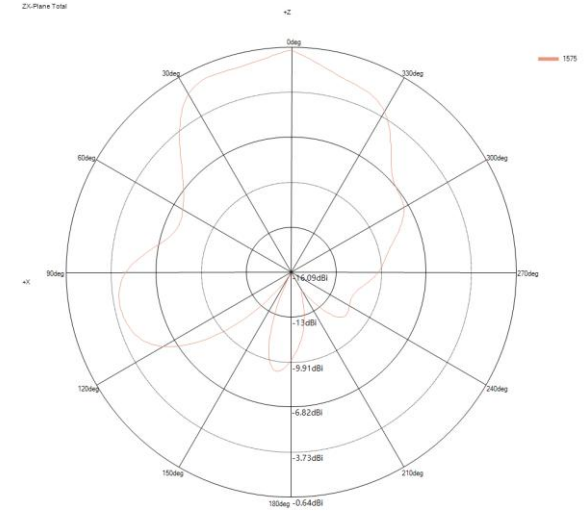
XY-Plane Total



ZY-Plane Total

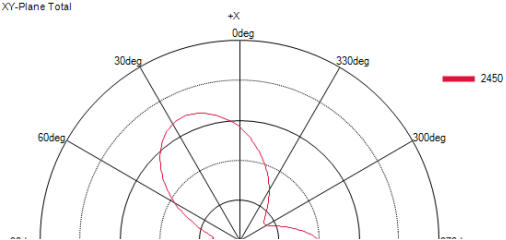


ZX-Plane Total

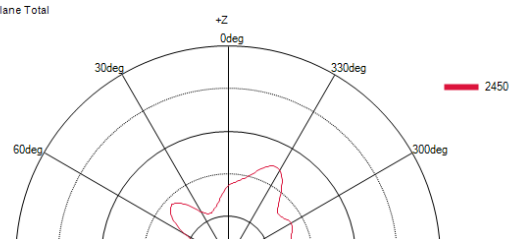


WIFI

XY-Plane Total



ZY-Plane Total



ZX-Plane Total

