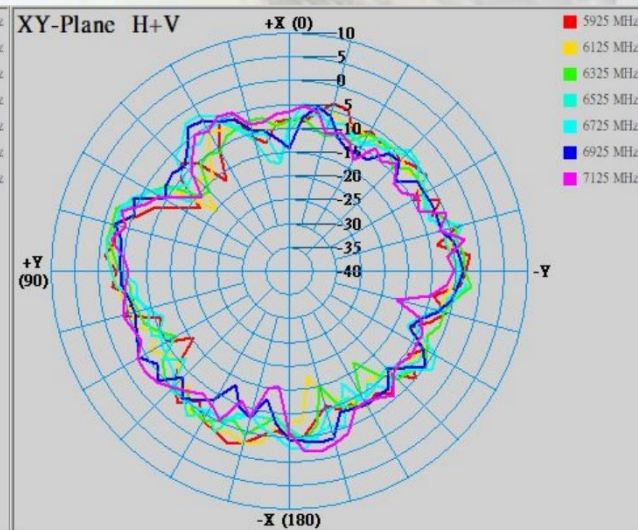
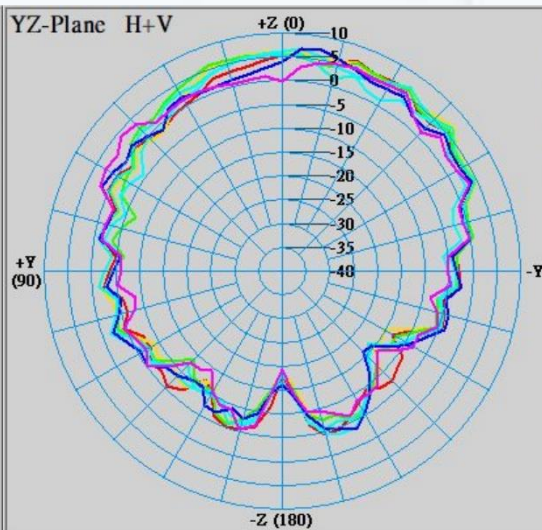
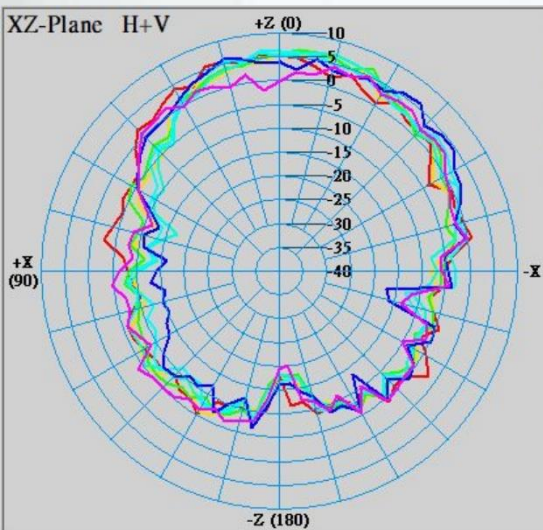
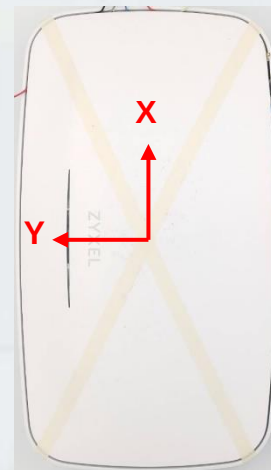
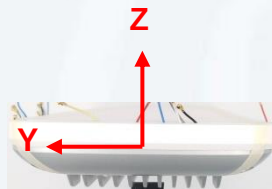
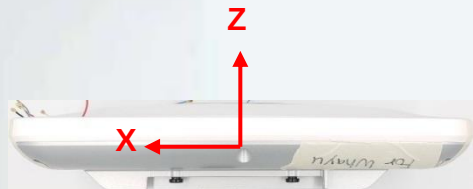
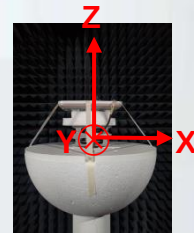


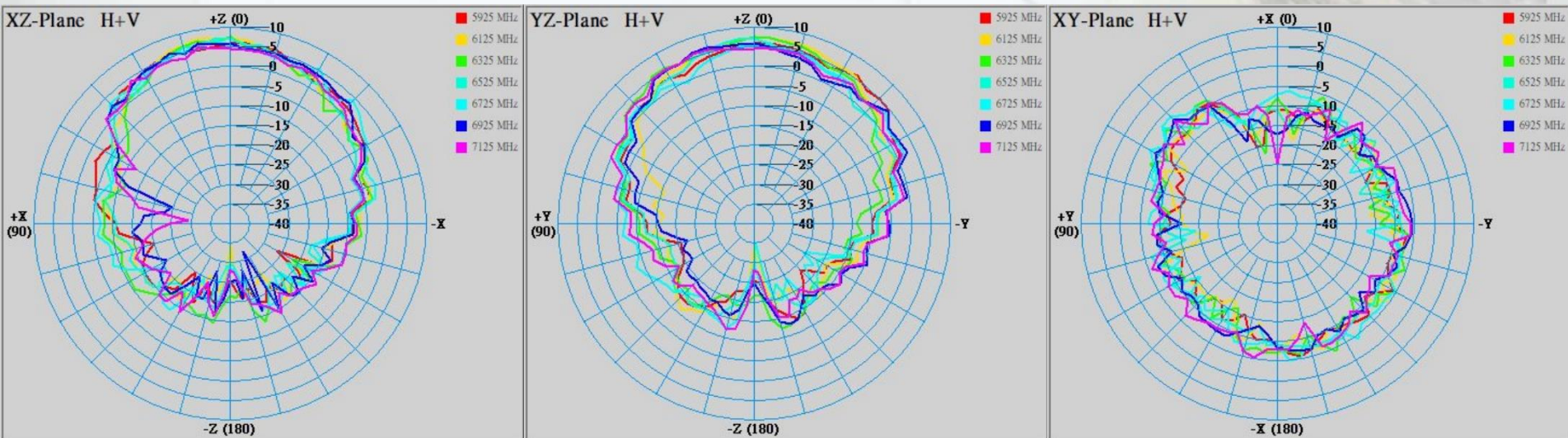
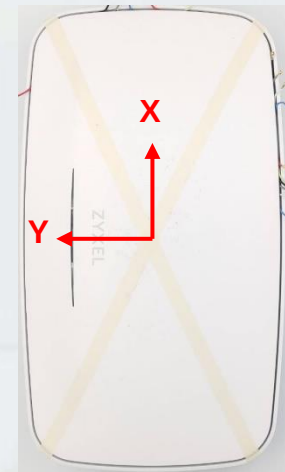
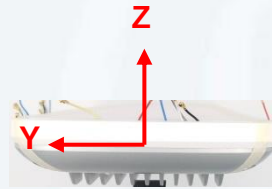
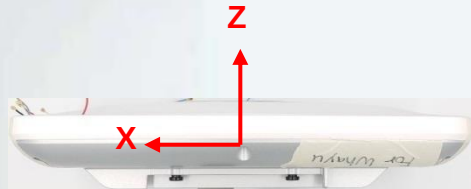
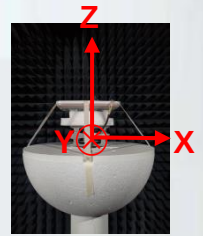
2D Radiation Pattern Results

Ant 13



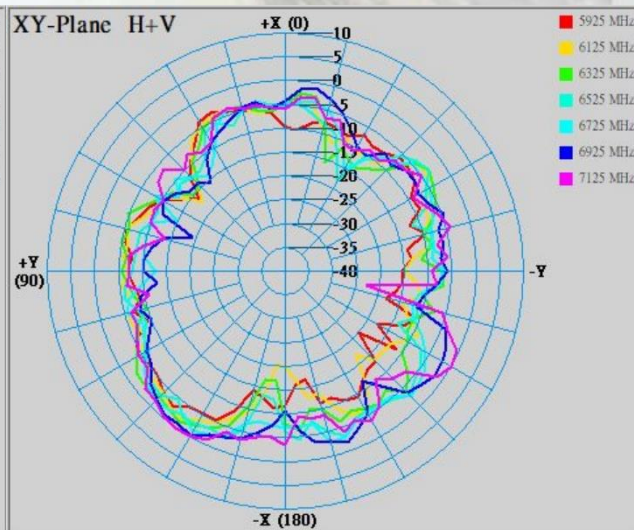
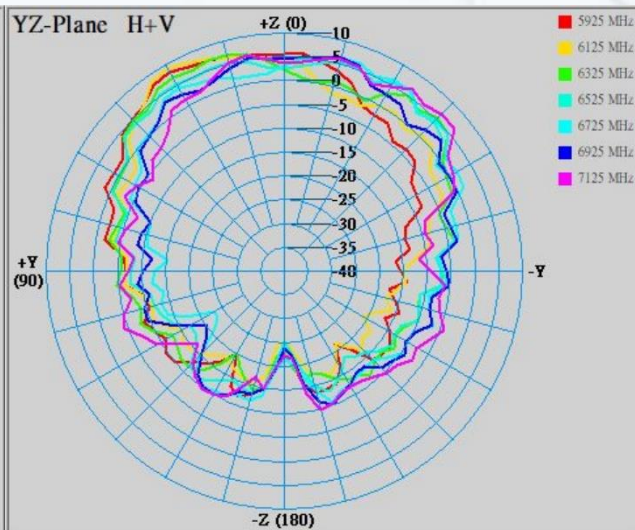
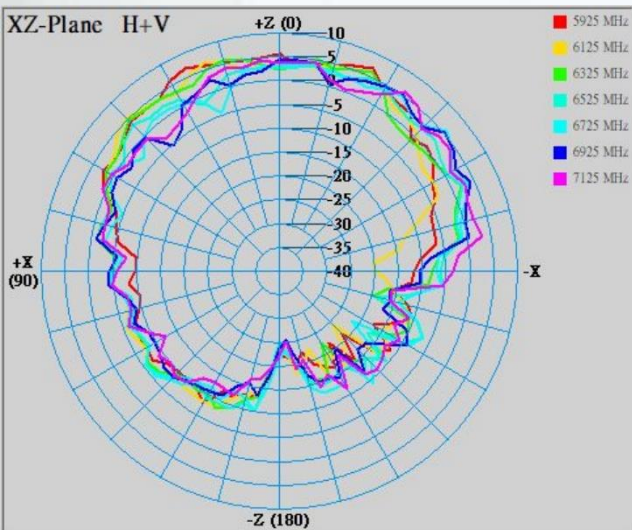
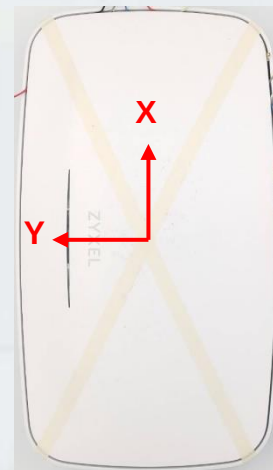
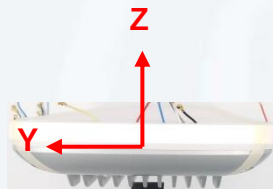
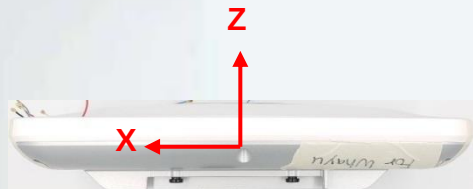
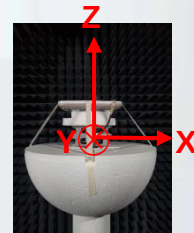
2D Radiation Pattern Results

Ant 14



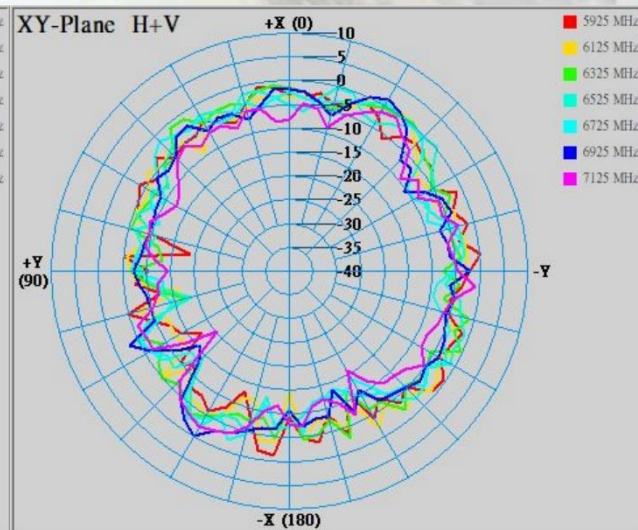
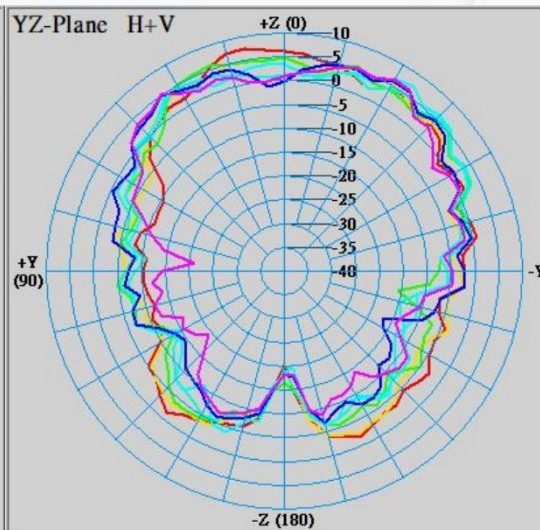
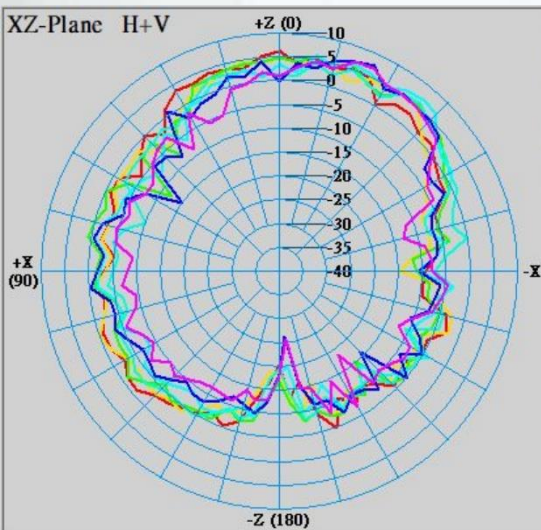
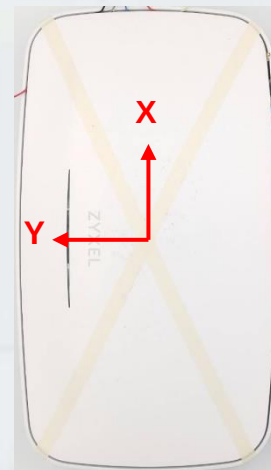
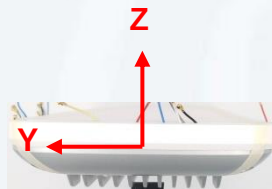
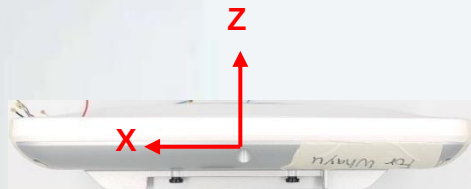
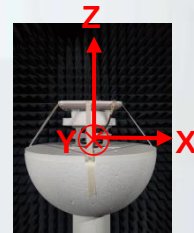
2D Radiation Pattern Results

Ant 15



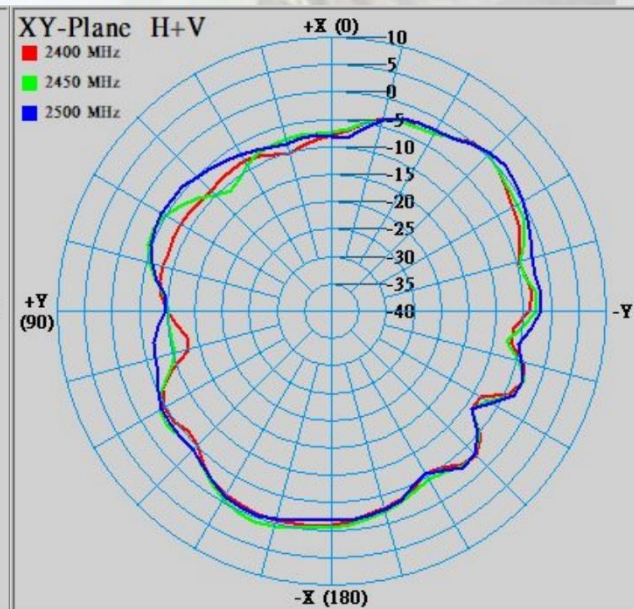
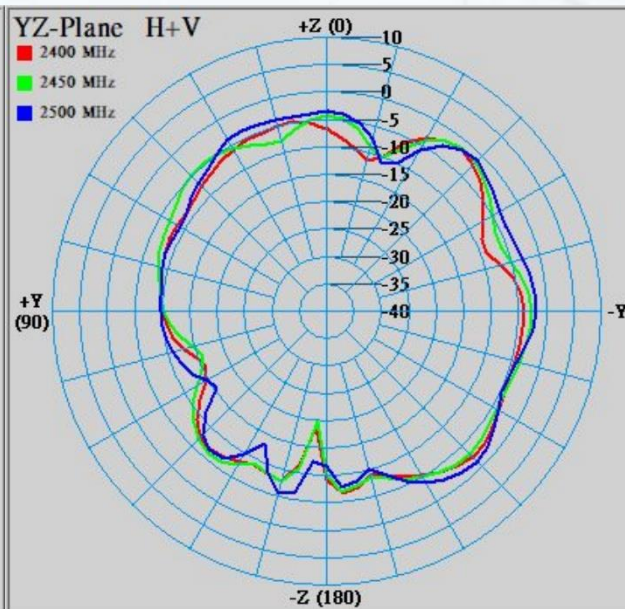
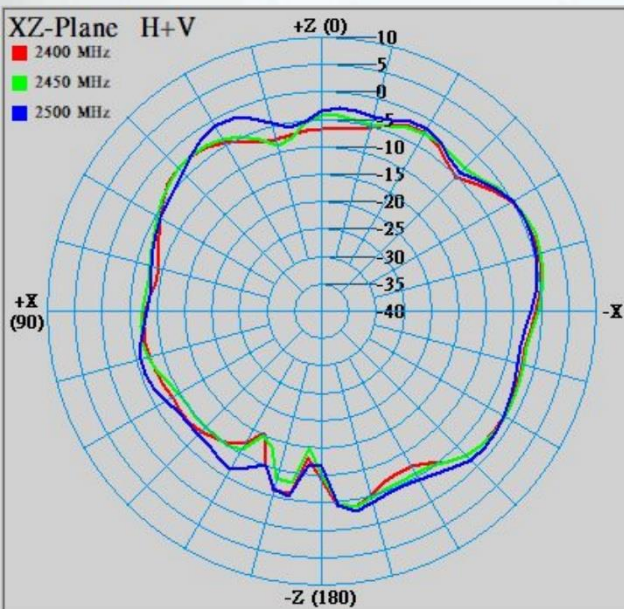
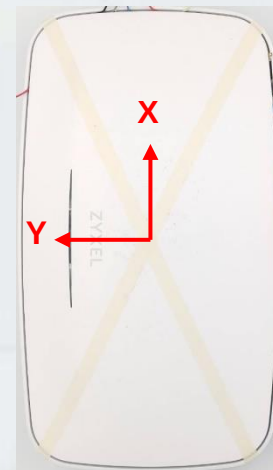
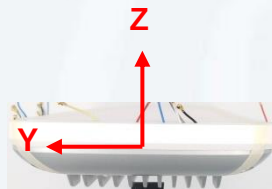
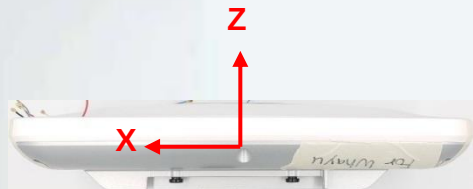
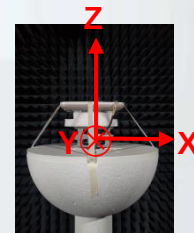
2D Radiation Pattern Results

Ant 16



2D Radiation Pattern Results

BT



Results Summary

Return Loss

Frequency (MHz)	Ant 1	Ant 2	Ant 3	Ant 4	BT
2400 MHz	11.4	11.2	11.2	14.2	6.3
2450 MHz	13.5	10.5	12.9	10.9	7.8
2500 MHz	14.0	13.2	10.1	10.0	5.4

Frequency (MHz)	Ant 5	Ant 611.8	Ant 7	Ant 833.1	Ant 9	Ant 10
5150 MHz	16.5	13.6	15.7	11.3	15.1	33.5
5550 MHz	11.7	13.9	26.4	16.8	17.3	36.2
5850 MHz	14.2	13.6	13.8	10.4	14.9	10.6

Frequency (MHz)	Ant 11	Ant 12	Ant 13	Ant 14	Ant 15	Ant 16
5925 MHz	13.9	16.6	8.5	16.8	17.4	19.7
6525 MHz	10.2	10.6	23.5	20.6	23.1	11.4
7125 MHz	11.6	15.5	9.0	18.1	15.6	13.4

Results Summary

Isolation

	ANT01 - ANT02	ANT01 - ANT03	ANT01 - ANT04	ANT01 - ANT05	ANT01 - ANT06	ANT01 - ANT07	ANT01 - ANT08	ANT01 - ANT09
2400 MHz	20	22	13	19	33	22	39	35
2450 MHz	21	29	15	23	39	21	51	40
2500 MHz	13	21	14	22	44	22	40	37
5150 MHz	26	28	24	24	28	26	40	29
5550 MHz	26	28	30	20	28	39	35	33
5850 MHz	30	33	39	36	33	30	37	39
5925 MHz	26	32	51	33	30	31	38	61
6525 MHz	23	29	43	39	33	40	46	43
7125 MHz	28	28	41	29	49	47	38	42

Results Summary

Isolation

	ANT01 - ANT10	ANT01 - ANT11	ANT01 - ANT12	ANT01 - ANT13	ANT01 - ANT14	ANT01 - ANT15	ANT01 - ANT16	ANT02 - ANT03
2400 MHz	35	54	35	48	58	33	44	22
2450 MHz	33	34	29	47	41	29	49	15
2500 MHz	33	40	28	52	42	27	35	12
5150 MHz	29	48	45	31	41	54	21	40
5550 MHz	35	56	45	37	44	47	23	34
5850 MHz	40	45	40	30	45	37	34	39
5925 MHz	41	48	43	32	47	36	32	37
6525 MHz	37	41	41	48	39	49	43	32
7125 MHz	44	40	46	39	36	36	38	27

Results Summary

Isolation

	ANT02 - ANT04	ANT02 - ANT05	ANT02 - ANT06	ANT02 - ANT07	ANT02 - ANT08	ANT02 - ANT09	ANT02 - ANT10	ANT02 - ANT11
2400 MHz	28	37	41	30	40	46	51	48
2450 MHz	27	29	37	27	39	45	42	33
2500 MHz	18	23	34	22	36	47	34	38
5150 MHz	39	36	33	35	54	60	44	65
5550 MHz	38	32	36	26	40	42	37	55
5850 MHz	38	42	37	25	35	48	34	44
5925 MHz	41	41	35	24	36	50	40	47
6525 MHz	32	28	37	31	36	44	34	42
7125 MHz	37	31	33	29	36	38	33	42

Results Summary

Isolation

	ANT01 - ANT10	ANT01 - ANT11	ANT01 - ANT12	ANT01 - ANT13	ANT01 - ANT14	ANT01 - ANT15	ANT01 - ANT16	ANT02 - ANT03
2400 MHz	35	54	35	48	58	33	44	22
2450 MHz	33	34	29	47	41	29	49	15
2500 MHz	33	40	28	52	42	27	35	12
5150 MHz	29	48	45	31	41	54	21	40
5550 MHz	35	56	45	37	44	47	23	34
5850 MHz	40	45	40	30	45	37	34	39
5925 MHz	41	48	43	32	47	36	32	37
6525 MHz	37	41	41	48	39	49	43	32
7125 MHz	44	40	46	39	36	36	38	27

Results Summary

Isolation

	ANT01 - ANT02	ANT01 - ANT03	ANT01 - ANT04	ANT01 - ANT05	ANT01 - ANT06	ANT01 - ANT07	ANT01 - ANT08	ANT01 - ANT09
2400 MHz	20	22	13	19	33	22	39	35
2450 MHz	21	29	15	23	39	21	51	40
2500 MHz	13	21	14	22	44	22	40	37
5150 MHz	26	28	24	24	28	26	40	29
5550 MHz	26	28	30	20	28	39	35	33
5850 MHz	30	33	39	36	33	30	37	39
5925 MHz	26	32	51	33	30	31	38	61
6525 MHz	23	29	43	39	33	40	46	43
7125 MHz	28	28	41	29	49	47	38	42

Results Summary

Isolation

	ANT02 - ANT12	ANT02 - ANT13	ANT02 - ANT14	ANT02 - ANT15	ANT02 - ANT16	ANT03 - ANT04	ANT03 - ANT05	ANT03 - ANT06
2400 MHz	33	44	58	37	42	14	23	22
2450 MHz	26	36	41	33	38	17	23	22
2500 MHz	29	54	42	31	37	18	24	20
5150 MHz	61	43	64	45	39	29	25	31
5550 MHz	63	44	51	48	33	25	36	36
5850 MHz	55	46	51	44	28	26	36	36
5925 MHz	48	41	48	71	29	29	35	36
6525 MHz	49	42	36	37	33	33	36	34
7125 MHz	49	37	37	33	32	44	35	32

Results Summary

Isolation

	ANT03 - ANT07	ANT03 - ANT08	ANT03 - ANT09	ANT03 - ANT10	ANT03 - ANT11	ANT03 - ANT12	ANT03 - ANT13	ANT03 - ANT14
2400 MHz	15	35	34	28	42	42	50	58
2450 MHz	21	32	40	33	37	29	45	43
2500 MHz	23	33	42	36	43	28	43	42
5150 MHz	22	35	27	27	46	42	36	48
5550 MHz	28	35	37	48	49	46	29	46
5850 MHz	24	42	36	37	42	37	36	38
5925 MHz	24	48	41	42	42	39	37	37
6525 MHz	30	38	40	44	37	39	37	32
7125 MHz	24	29	44	38	36	52	36	32

Results Summary

Isolation

	ANT04 - ANT11	ANT04 - ANT12	ANT04 - ANT13	ANT04 - ANT14	ANT04 - ANT15	ANT04 - ANT16	ANT05 - ANT06	ANT05 - ANT07
2400 MHz	49	34	44	49	39	32	33	23
2450 MHz	33	26	35	50	38	30	36	26
2500 MHz	52	35	44	45	44	36	36	29
5150 MHz	51	47	32	47	35	35	25	30
5550 MHz	48	45	34	45	41	42	24	27
5850 MHz	51	39	41	38	46	56	24	24
5925 MHz	47	40	43	39	41	38	24	25
6525 MHz	44	47	46	40	52	35	22	25
7125 MHz	42	52	47	41	45	46	21	27

Results Summary

Isolation

	ANT05 - ANT08	ANT05 - ANT09	ANT05 - ANT10	ANT05 - ANT11	ANT05 - ANT12	ANT05 - ANT13	ANT05 - ANT14	ANT05 - ANT15
2400 MHz	35	45	47	58	48	62	61	55
2450 MHz	38	40	47	50	40	53	67	51
2500 MHz	38	39	51	56	48	60	60	52
5150 MHz	41	32	38	51	51	40	50	30
5550 MHz	42	42	41	72	58	34	55	36
5850 MHz	49	43	38	51	47	30	48	56
5925 MHz	44	38	39	61	46	30	49	39
6525 MHz	43	39	41	48	51	35	56	32
7125 MHz	45	35	36	45	47	28	36	28

Results Summary

Isolation

	ANT05 - ANT16	ANT06 - ANT07	ANT06 - ANT08	ANT06 - ANT09	ANT06 - ANT10	ANT06 - ANT11	ANT06 - ANT12	ANT06 - ANT13
2400 MHz	47	28	42	45	55	63	48	58
2450 MHz	52	31	45	42	52	61	50	63
2500 MHz	56	33	42	44	45	57	44	53
5150 MHz	35	27	41	48	41	54	53	35
5550 MHz	33	28	42	43	52	53	48	37
5850 MHz	32	32	56	47	47	56	43	35
5925 MHz	33	32	45	53	47	55	41	36
6525 MHz	38	36	41	48	52	49	50	32
7125 MHz	39	35	47	39	46	42	50	30

Results Summary

Isolation

	ANT06 - ANT14	ANT06 - ANT15	ANT06 - ANT16	ANT07 - ANT08	ANT07 - ANT09	ANT07 - ANT10	ANT07 - ANT11	ANT07 - ANT12
2400 MHz	59	58	57	52	46	40	42	33
2450 MHz	65	50	58	44	37	41	35	28
2500 MHz	54	46	61	32	31	36	42	32
5150 MHz	40	33	34	32	25	25	48	50
5550 MHz	50	50	46	35	32	49	49	37
5850 MHz	60	34	44	35	38	32	50	40
5925 MHz	50	34	46	34	33	32	47	38
6525 MHz	50	34	39	39	38	38	41	42
7125 MHz	40	32	42	43	30	41	39	46

Results Summary

Isolation

	ANT07 - ANT13	ANT07 - ANT14	ANT07 - ANT15	ANT07 - ANT16	ANT08 - ANT09	ANT08 - ANT10	ANT08 - ANT11	ANT08 - ANT12
2400 MHz	52	65	41	41	38	45	49	45
2450 MHz	40	50	50	44	40	43	50	42
2500 MHz	47	47	50	51	35	39	53	46
5150 MHz	32	39	45	26	38	35	50	42
5550 MHz	36	50	30	26	40	30	45	46
5850 MHz	35	49	35	30	32	26	38	43
5925 MHz	32	43	35	30	32	26	37	39
6525 MHz	42	40	34	35	32	29	33	43
7125 MHz	34	37	41	42	37	32	34	43

Results Summary

Isolation

	ANT08 - ANT13	ANT08 - ANT14	ANT08 - ANT15	ANT08 - ANT16	ANT09 - ANT10	ANT09 - ANT11	ANT09 - ANT12	ANT09 - ANT13
2400 MHz	59	55	58	66	62	54	45	60
2450 MHz	54	60	54	65	53	44	40	62
2500 MHz	55	48	53	56	44	44	32	50
5150 MHz	39	52	47	47	24	60	34	35
5550 MHz	31	50	38	38	22	51	33	48
5850 MHz	36	36	37	36	23	46	28	40
5925 MHz	39	35	38	39	23	49	27	45
6525 MHz	43	29	43	45	24	48	28	44
7125 MHz	50	33	40	46	28	40	33	41

Results Summary

Isolation

	ANT09 - ANT14	ANT09 - ANT15	ANT09 - ANT16	ANT10 - ANT11	ANT10 - ANT12	ANT10 - ANT13	ANT10 - ANT14	ANT10 - ANT15
2400 MHz	60	54	55	83	55	69	81	62
2450 MHz	50	51	52	57	47	65	66	56
2500 MHz	52	47	54	55	46	64	59	50
5150 MHz	28	38	38	56	46	36	48	41
5550 MHz	27	36	34	58	46	38	40	44
5850 MHz	26	43	38	54	43	37	49	55
5925 MHz	25	56	45	50	43	35	41	49
6525 MHz	24	51	51	45	43	45	48	48
7125 MHz	24	47	51	39	41	49	41	43

Results Summary

Isolation

	ANT10 - ANT16	ANT11 - ANT12	ANT11 - ANT13	ANT11 - ANT14	ANT11 - ANT15	ANT11 - ANT16	ANT12 - ANT13	ANT12 - ANT14
2400 MHz	61	30	46	61	39	62	40	40
2450 MHz	58	22	42	43	38	50	34	34
2500 MHz	58	25	42	43	34	55	31	35
5150 MHz	42	42	38	45	48	64	22	35
5550 MHz	39	49	49	50	54	47	25	36
5850 MHz	34	35	47	45	59	54	29	37
5925 MHz	38	39	48	44	54	61	33	34
6525 MHz	42	34	43	37	45	49	41	32
7125 MHz	46	39	39	45	38	35	37	32

Results Summary

Isolation

	ANT12 - ANT15	ANT12 - ANT16	ANT13 - ANT14	ANT13 - ANT15	ANT13 - ANT16	ANT14 - ANT15	ANT14 - ANT16	ANT15 - ANT16
2400 MHz	35	42	46	40	46	42	57	37
2450 MHz	33	44	50	41	50	46	56	41
2500 MHz	32	49	51	41	54	51	58	42
5150 MHz	33	40	39	22	33	39	38	18
5550 MHz	40	40	36	21	28	42	45	19
5850 MHz	42	41	51	32	34	52	51	21
5925 MHz	43	37	45	46	31	54	54	25
6525 MHz	37	35	33	45	52	46	53	30
7125 MHz	51	46	35	29	38	37	43	32

Results Summary

Peak gain & Efficiency – Ant 1

Frequency (MHz)	Peak Gain H-polarization (dBi)	Peak Gain V-polarization (dBi)	Efficiency (%)
2400 MHz	-2.06	-0.37	21
2450 MHz	-1.13	0.24	22
2500 MHz	0.47	0.82	31

Results Summary

Peak gain & Efficiency – Ant 2

Frequency (MHz)	Peak Gain H-polarization (dBi)	Peak Gain V-polarization (dBi)	Efficiency (%)
2400 MHz	4.34	4.29	39
2450 MHz	2.07	2.07	32
2500 MHz	2.95	3.11	39

Results Summary

Peak gain & Efficiency – Ant 3

Frequency (MHz)	Peak Gain H-polarization (dBi)	Peak Gain V-polarization (dBi)	Efficiency (%)
2400 MHz	0.67	0.40	27
2450 MHz	2.58	0.44	34
2500 MHz	0.35	-1.28	30

Results Summary

Peak gain & Efficiency – Ant 4

Frequency (MHz)	Peak Gain H-polarization (dBi)	Peak Gain V-polarization (dBi)	Efficiency (%)
2400 MHz	-0.54	0.48	37
2450 MHz	1.22	1.22	41
2500 MHz	1.61	0.46	42

Results Summary

Peak gain & Efficiency – BT

Frequency (MHz)	Peak Gain H-polarization (dBi)	Peak Gain V-polarization (dBi)	Efficiency (%)
2400 MHz	-0.89	-0.11	33
2450 MHz	0.72	0.44	36
2500 MHz	-0.06	0.97	41

Results Summary

Peak gain & Efficiency – Ant 5

Frequency (MHz)	Peak Gain H-polarization (dBi)	Peak Gain V-polarization (dBi)	Efficiency (%)
5150 MHz	7.92	7.83	74
5350 MHz	6.76	8.00	73
5500 MHz	6.65	7.57	69
5725 MHz	6.63	6.15	72
5850 MHz	6.06	6.34	68

Results Summary

Peak gain & Efficiency – Ant 6

Frequency (MHz)	Peak Gain H-polarization (dBi)	Peak Gain V-polarization (dBi)	Efficiency (%)
5150 MHz	5.70	5.58	64
5350 MHz	6.51	5.62	69
5500 MHz	6.67	5.11	64
5725 MHz	7.73	6.84	71
5850 MHz	6.75	6.54	69

Results Summary

Peak gain & Efficiency – Ant 7

Frequency (MHz)	Peak Gain H-polarization (dBi)	Peak Gain V-polarization (dBi)	Efficiency (%)
5150 MHz	7.11	7.05	75
5350 MHz	7.47	8.12	76
5500 MHz	8.25	6.51	75
5725 MHz	7.90	7.21	76
5850 MHz	9.18	7.31	74

Results Summary

Peak gain & Efficiency – Ant 8

Frequency (MHz)	Peak Gain H-polarization (dBi)	Peak Gain V-polarization (dBi)	Efficiency (%)
5150 MHz	6.01	5.27	67
5350 MHz	6.94	6.17	73
5500 MHz	6.47	6.44	73
5725 MHz	7.00	5.49	72
5850 MHz	7.31	5.43	72

Results Summary

Peak gain & Efficiency – Ant 9

Frequency (MHz)	Peak Gain H-polarization (dBi)	Peak Gain V-polarization (dBi)	Efficiency (%)
5150 MHz	8.02	7.31	69
5350 MHz	7.45	6.68	72
5500 MHz	6.82	5.53	67
5725 MHz	6.11	5.56	67
5850 MHz	6.44	5.87	72

Results Summary

Peak gain & Efficiency – Ant 10

Frequency (MHz)	Peak Gain H-polarization (dBi)	Peak Gain V-polarization (dBi)	Efficiency (%)
5150 MHz	8.13	6.89	79
5350 MHz	8.14	7.72	78
5500 MHz	8.20	8.20	76
5725 MHz	7.08	7.74	78
5850 MHz	6.95	7.69	73

Results Summary

Peak gain & Efficiency – Ant 11

Frequency (MHz)	Peak Gain H-polarization (dBi)	Peak Gain V-polarization (dBi)	Efficiency (%)
5925 MHz	5.23	5.15	58
6125 MHz	6.23	6.00	56
6325 MHz	6.26	6.47	60
6525 MHz	7.13	7.53	60
6725 MHz	6.46	6.71	61
6925 MHz	6.15	6.40	58
7125 MHz	5.26	5.63	58

Results Summary

Peak gain & Efficiency – Ant 12

Frequency (MHz)	Peak Gain H-polarization (dBi)	Peak Gain V-polarization (dBi)	Efficiency (%)
5925 MHz	5.44	4.75	55
6125 MHz	5.39	6.19	52
6325 MHz	6.11	6.11	56
6525 MHz	5.70	5.58	51
6725 MHz	5.23	5.23	51
6925 MHz	5.26	5.40	49
7125 MHz	5.14	5.73	48

Results Summary

Peak gain & Efficiency – Ant 13

Frequency (MHz)	Peak Gain H-polarization (dBi)	Peak Gain V-polarization (dBi)	Efficiency (%)
5925 MHz	7.37	5.91	69
6125 MHz	6.54	5.76	65
6325 MHz	6.96	6.30	68
6525 MHz	6.59	6.69	68
6725 MHz	6.86	6.29	68
6925 MHz	6.75	6.01	62
7125 MHz	5.32	5.41	56

Results Summary

Peak gain & Efficiency – Ant 14

Frequency (MHz)	Peak Gain H-polarization (dBi)	Peak Gain V-polarization (dBi)	Efficiency (%)
5925 MHz	5.88	6.53	56
6125 MHz	7.25	7.90	60
6325 MHz	7.26	7.26	63
6525 MHz	7.59	7.30	61
6725 MHz	6.51	7.64	59
6925 MHz	6.02	6.91	59
7125 MHz	5.43	5.56	55

Results Summary

Peak gain & Efficiency – Ant 15

Frequency (MHz)	Peak Gain H-polarization (dBi)	Peak Gain V-polarization (dBi)	Efficiency (%)
5925 MHz	8.52	6.70	75
6125 MHz	9.01	6.91	77
6325 MHz	7.93	6.62	84
6525 MHz	6.20	4.81	77
6725 MHz	7.16	6.24	74
6925 MHz	7.80	6.26	73
7125 MHz	7.17	5.79	73

Results Summary

Peak gain & Efficiency – Ant 16

Frequency (MHz)	Peak Gain H-polarization (dBi)	Peak Gain V-polarization (dBi)	Efficiency (%)
5925 MHz	7.16	6.05	72
6125 MHz	5.76	4.91	66
6325 MHz	6.25	5.64	71
6525 MHz	6.28	6.76	69
6725 MHz	6.64	6.89	68
6925 MHz	6.62	7.61	67
7125 MHz	7.25	7.85	62