



ARIA3411/OS3411 Antenna Check Sheet



Revision History:

Version	Date	Change Description
1.0	2022/12/07	New Release



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**Antenna Specification**

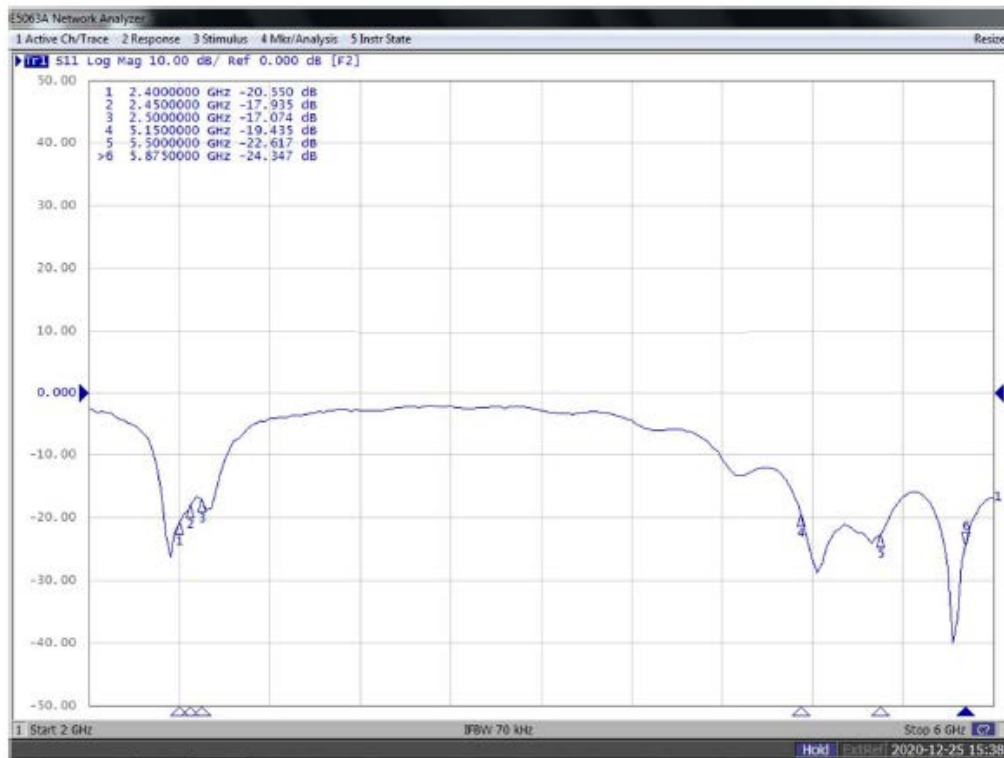
Ant.	Antenna. model	Antenna type	Antenna Gain (dBi)	Frequency Range from GHz to GHz	Connector type	Cable length (cm)	Remark
#1	RFPCA252525IMLB901	printed PCB	2.63	2.4~2.4835	IPEX	24	Ant1 Red
			4.02	5.15-5.85			
#2	RFPCA282525IMLB901	printed PCB	2.6	2.4~2.4835	IPEX	24	Ant2 White
			3.81	5.15-5.85			
#3	RFPCA212009IMMB901	printed PCB	3.59	5.85~7.125	IPEX	10	Ant3 Blue
#4	RFPCA221508IMMB901	printed PCB	4.71	5.85~7.125	IPEX	7.5	Ant4 Green
#5	RFPCA221514IMMB901	printed PCB	4.7	5.85~7.125	IPEX	13.5	Ant5 Black
#6	RFPCA212009IMMB902	printed PCB	4.59	5.85~7.125	IPEX	8.5	Ant6 Grey
#7 (for BT)	RFPCA381007IMAB301	printed PCB	4.77	2.4~2.4835	IPEX	6.5	Ant7 Yellow



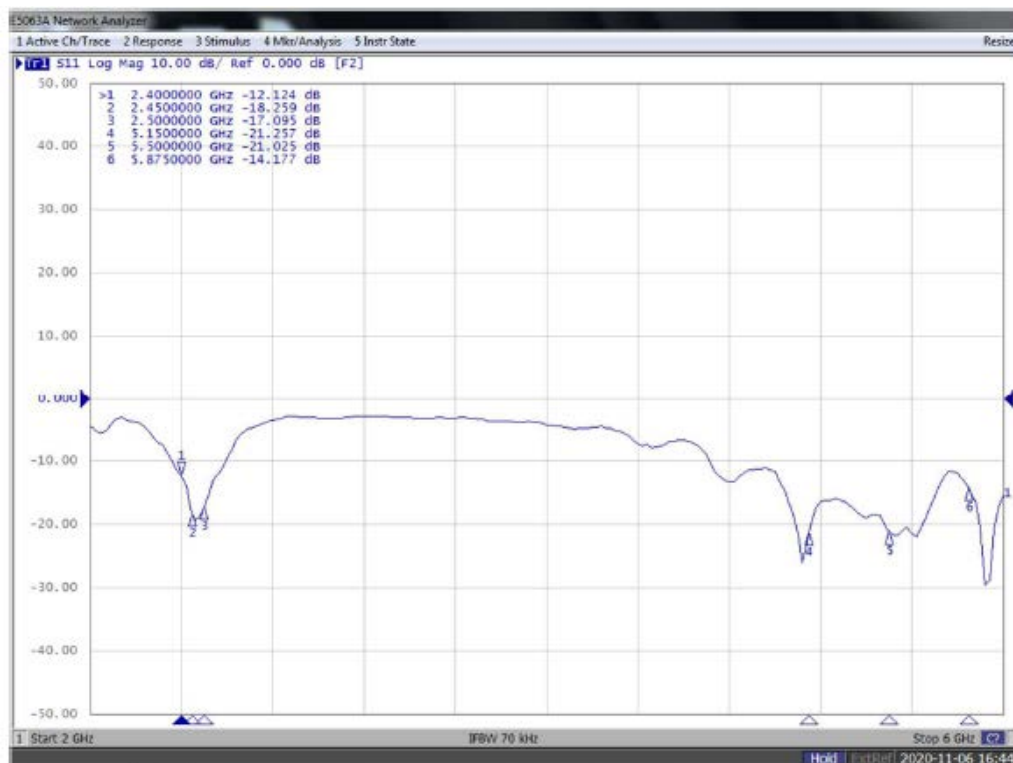
Date: 2022/12/07

Return Loss

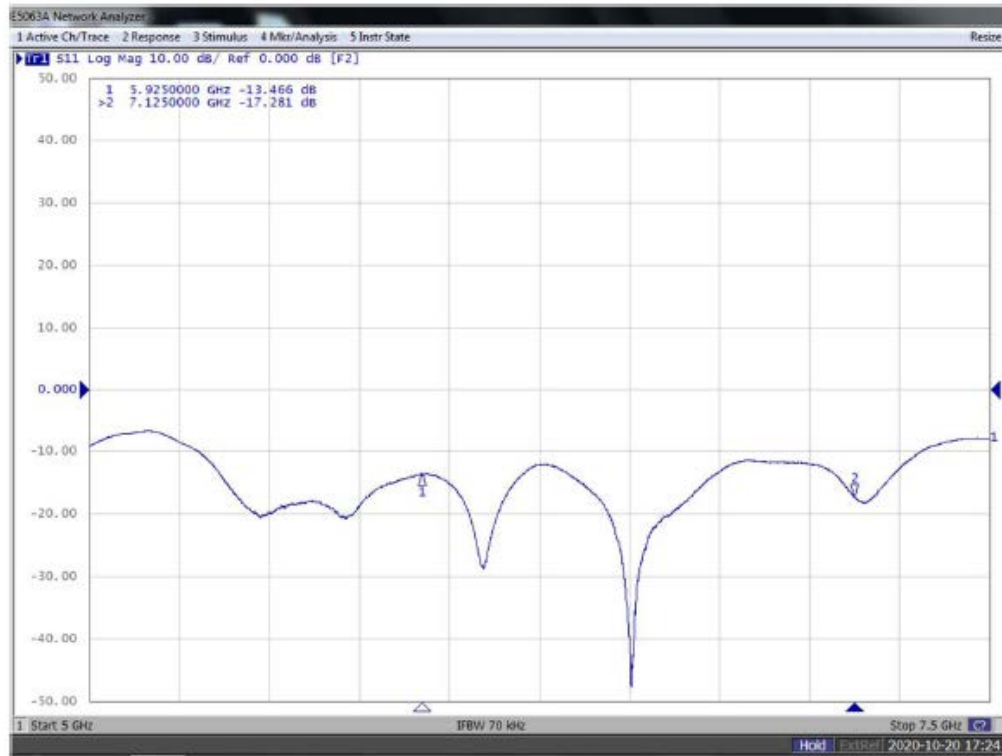
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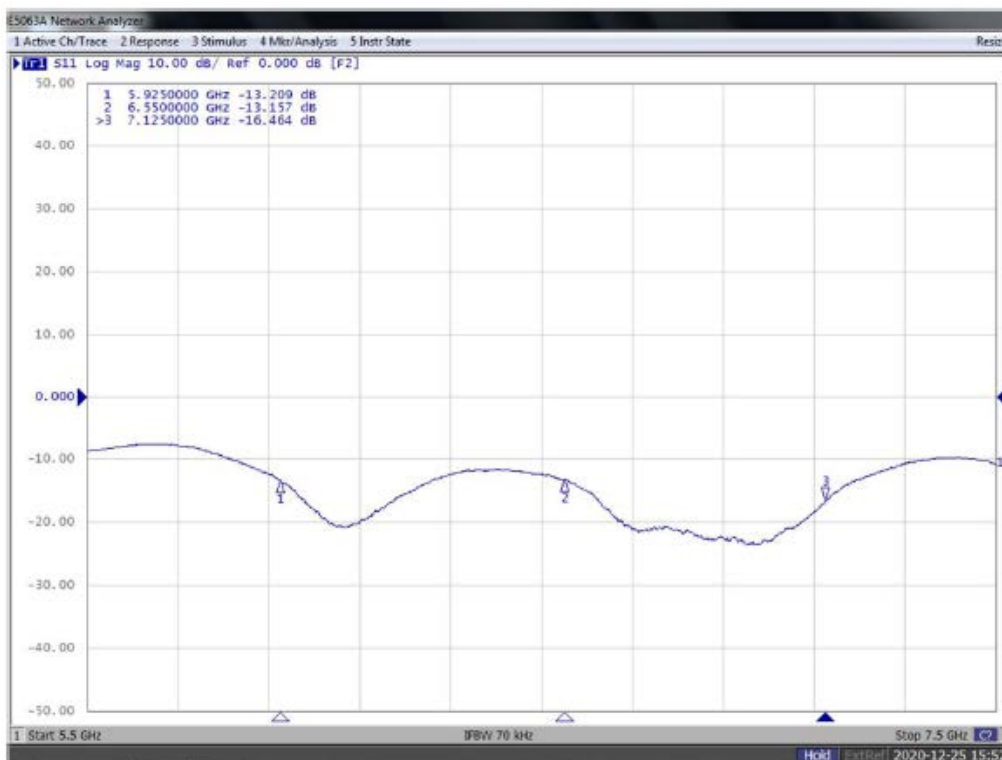
Ant2



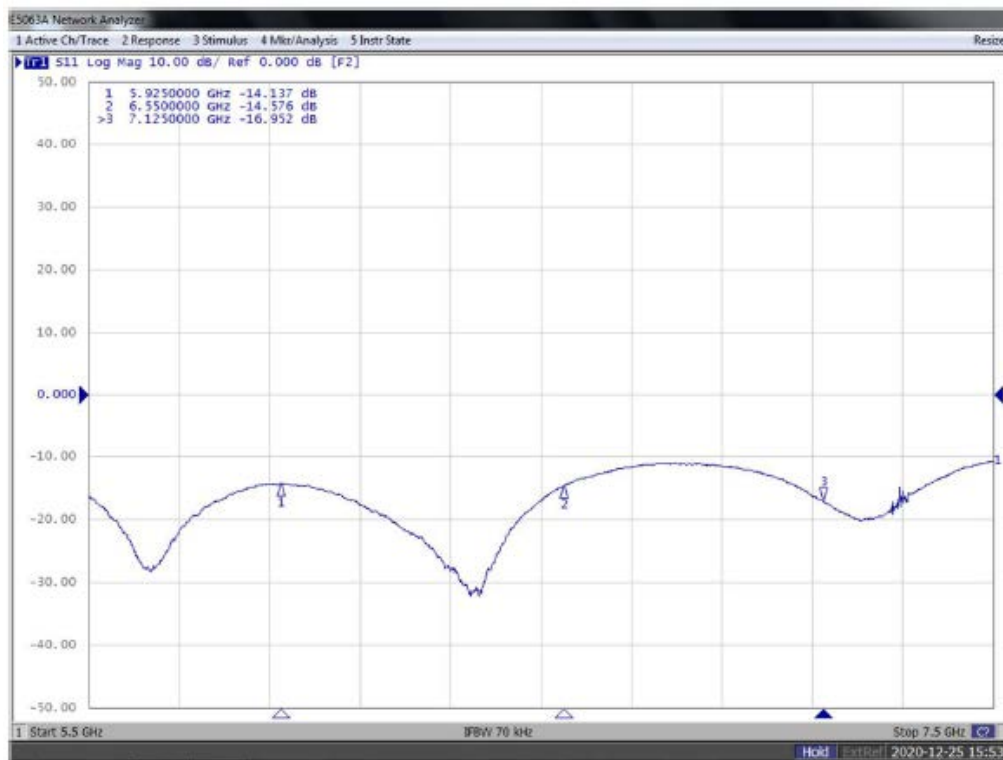
Ant3



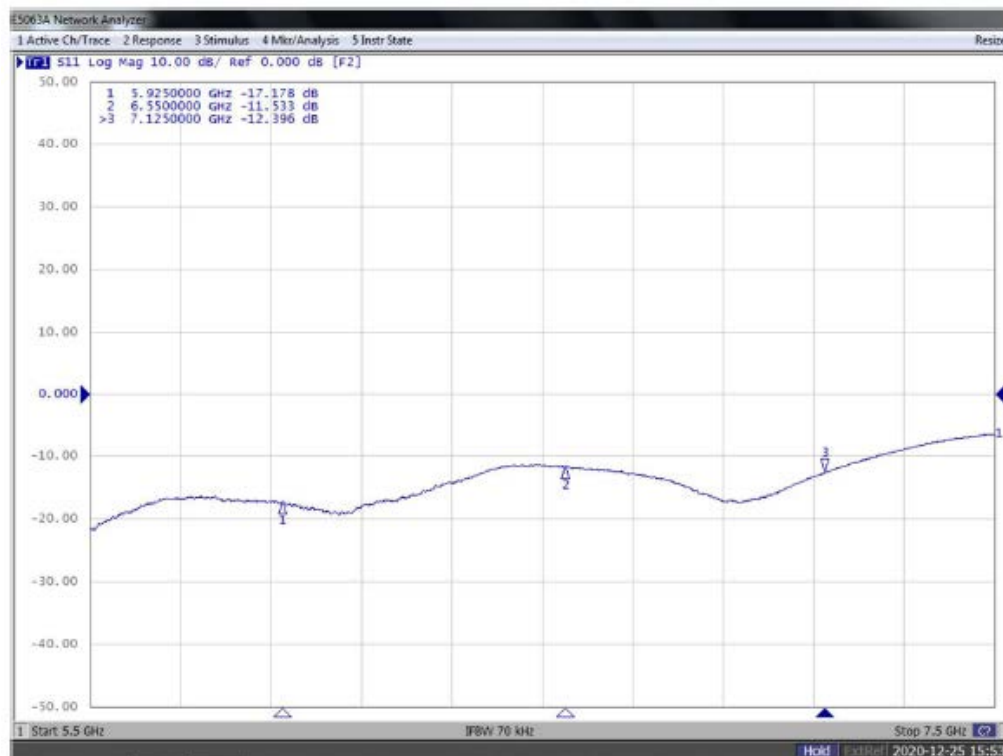
Ant4



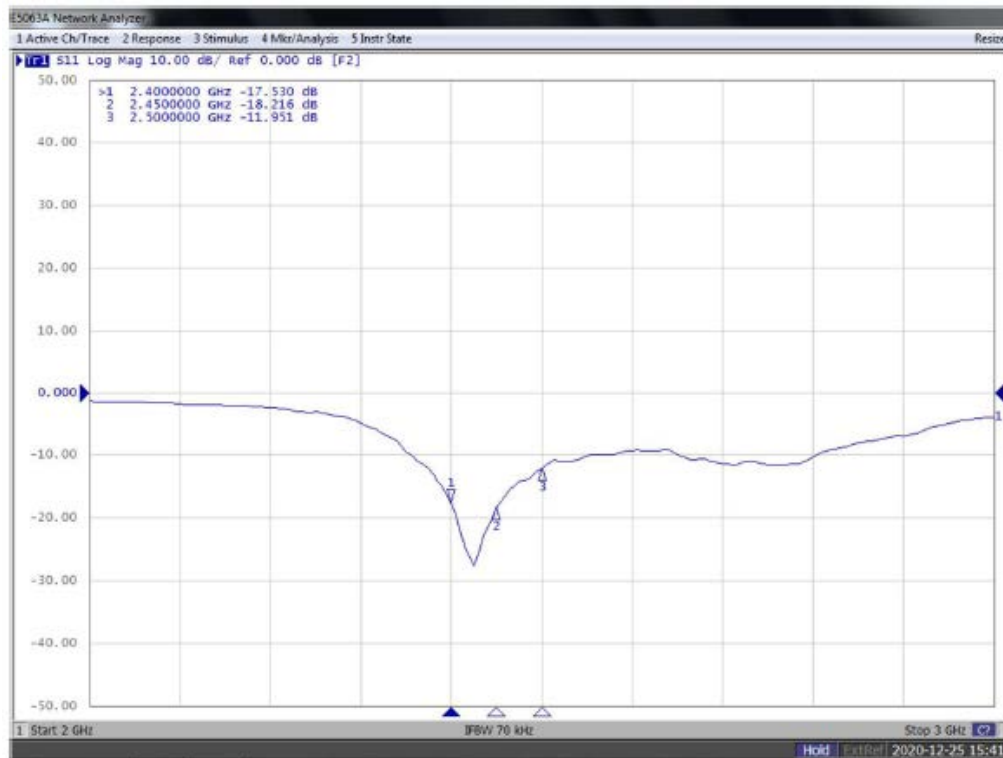
Ant5



Ant6

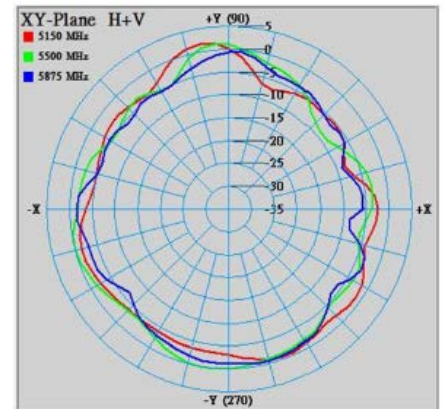
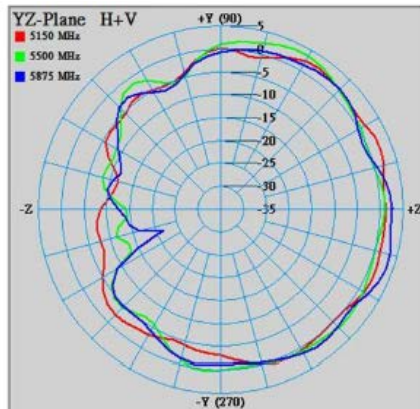
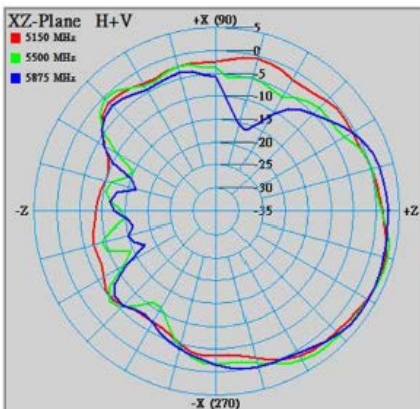
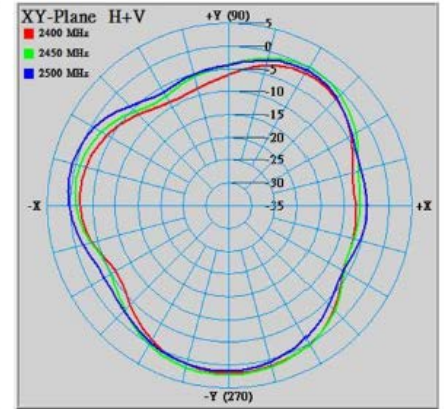
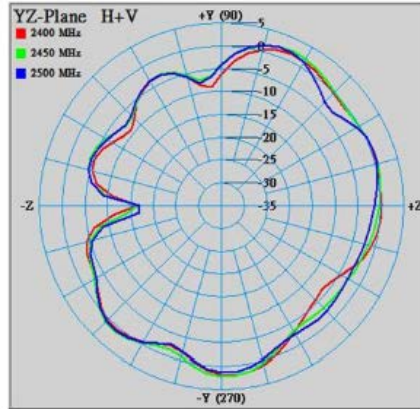
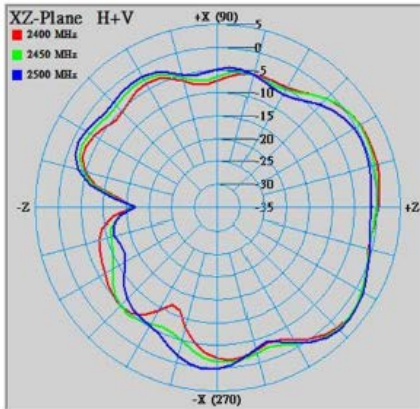


Ant7

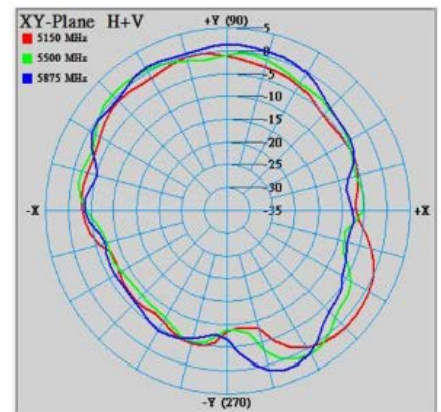
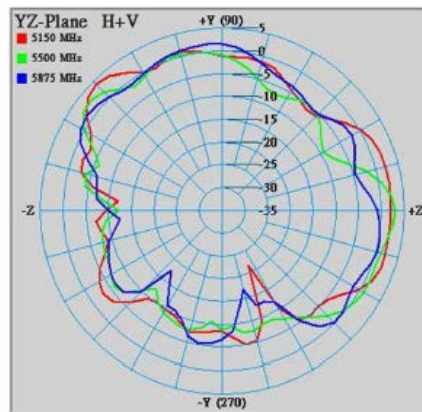
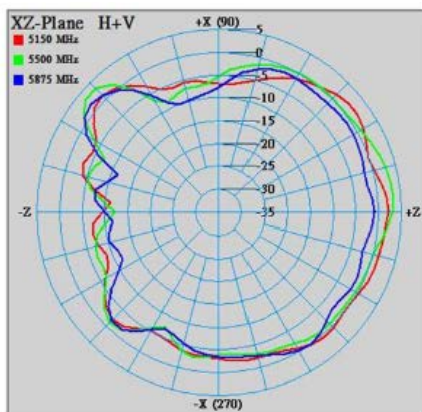
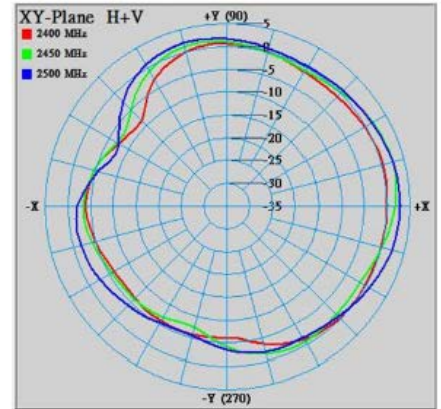
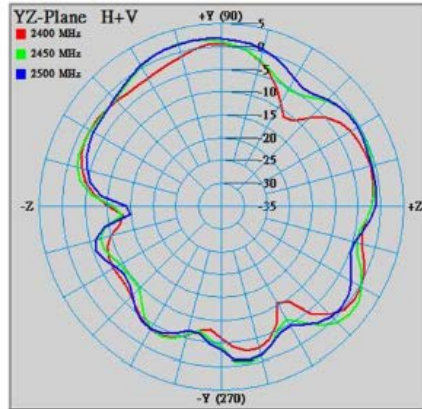
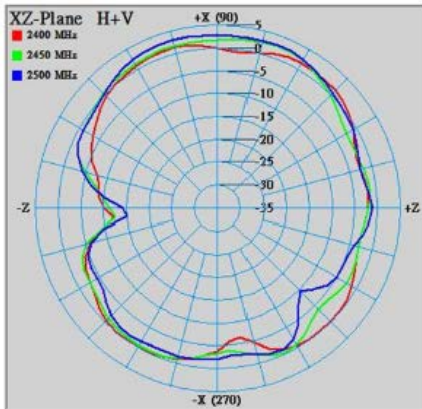


2D Radiation Patterns:

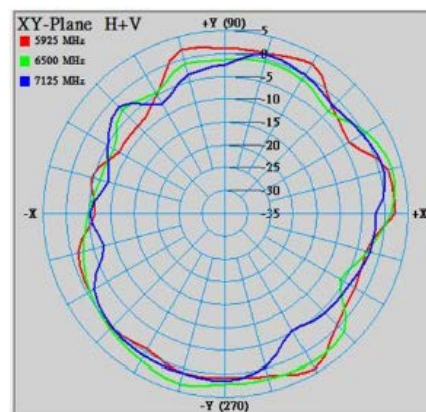
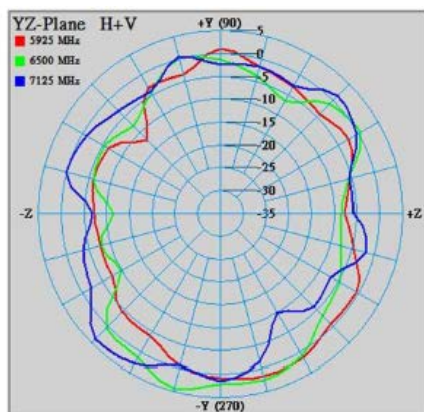
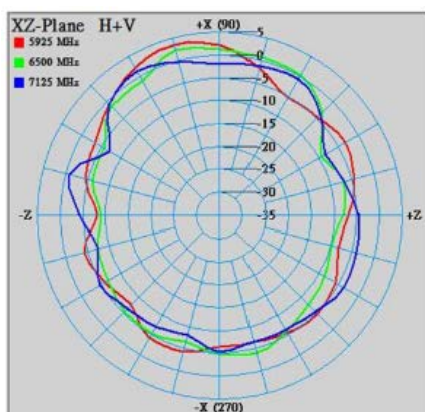
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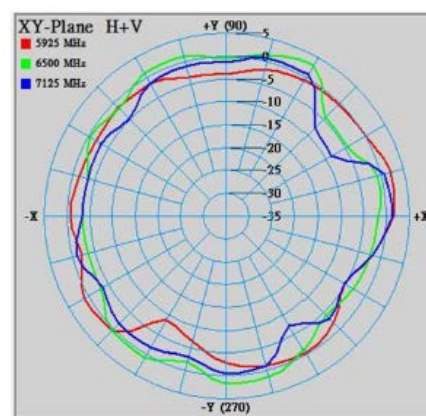
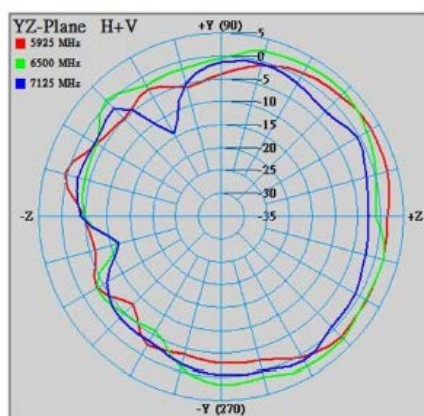
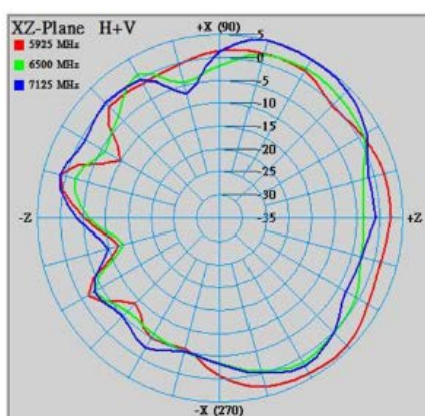
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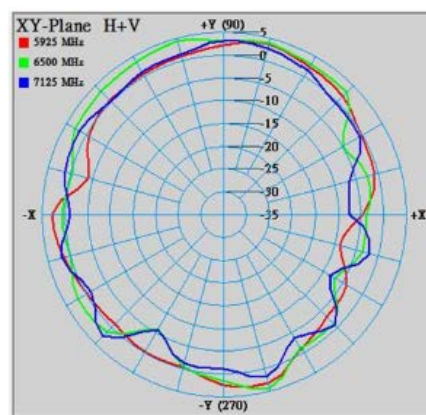
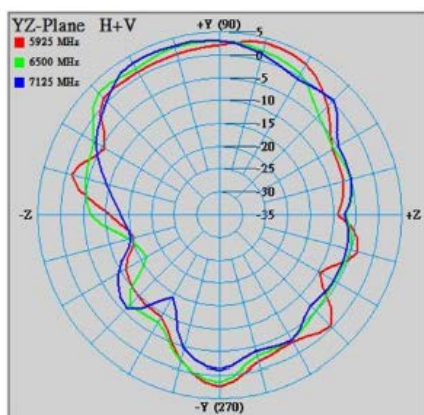
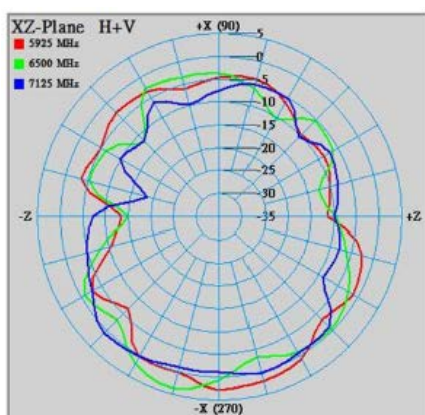
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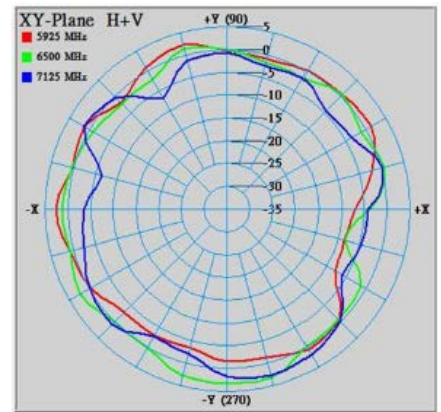
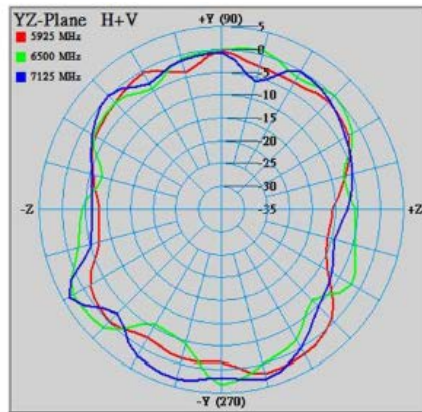
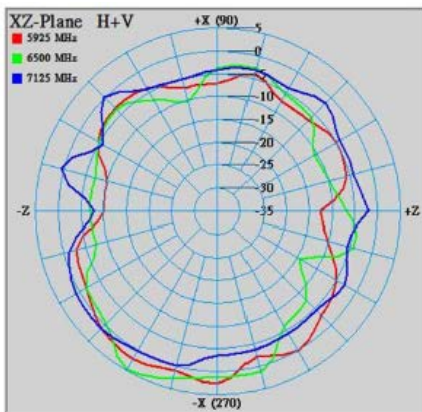
Ant4



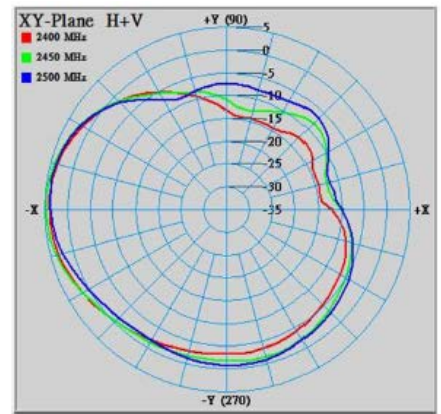
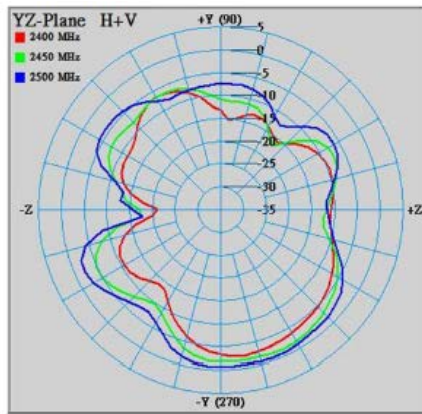
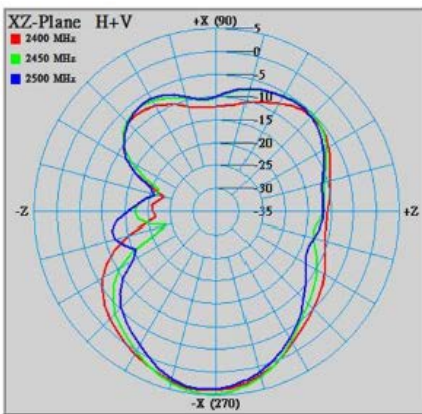
Ant5



Ant6



Ant7





Antenna Gain Table:

Frequency(MHz)	Ant1(dBi)	Ant2(dBi)
2400	2.32	2.51
2455	2.63	2.60
2500	2.59	2.48

Frequency(MHz)	Ant1(dBi)	Ant2(dBi)
5150	3.48	3.37
5500	4.02	3.81
5875	3.62	3.28

Frequency(MHz)	Ant3(dBi)	Ant4(dBi)
5925	3.48	4.37
6550	3.59	4.71
7125	3.16	4.26

Frequency(MHz)	Ant5(dBi)	Ant6(dBi)
5925	3.97	4.01
6550	4.70	4.59
7125	3.44	3.88

Frequency(MHz)	Ant7(dBi)
2400	4.03
2455	4.77
2500	4.01



Antenna Vendor information:

Walsin Technology Corporation

Address: 566-1, Ko-Shi Road , Yang-Mei, Tao-Yuan, 32668, Taiwan





Test information:

Test date: 2021/01/27

Test Engineer: Ethan Hsiao

Address of test site: 566-1, Ko-Shi Road , Yang-Mei, Tao-Yuan, 32668, Taiwan

Measurement Setup:

Reflection Coefficient Measurement:

-Instrument : Keysight VNA E5063A

-Setup:

VNA RF port connect to DUT

Pattern Measurement:

-Chamber : Satimo SG24

-Test Program:SPM1.11

-Setup Photo: See Appendix.

Test instrument calibration information:

Vendor	Model	Calibrated Date	Calibrated Until
Keysight	VNA E5063A	2020/3/18	2022/3/17

Appendix

Setup Photo:

