



AS Antenna Check Sheet



Revision History:

Version	Date	Change Description
V01	2022 Sep.	New Release
V02	2022 Dec.	Change test data
V03	2022 Dec.	Add approval data
V04	2023 Jul.	Add FEED and GND



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AS Antenna Check Sheet

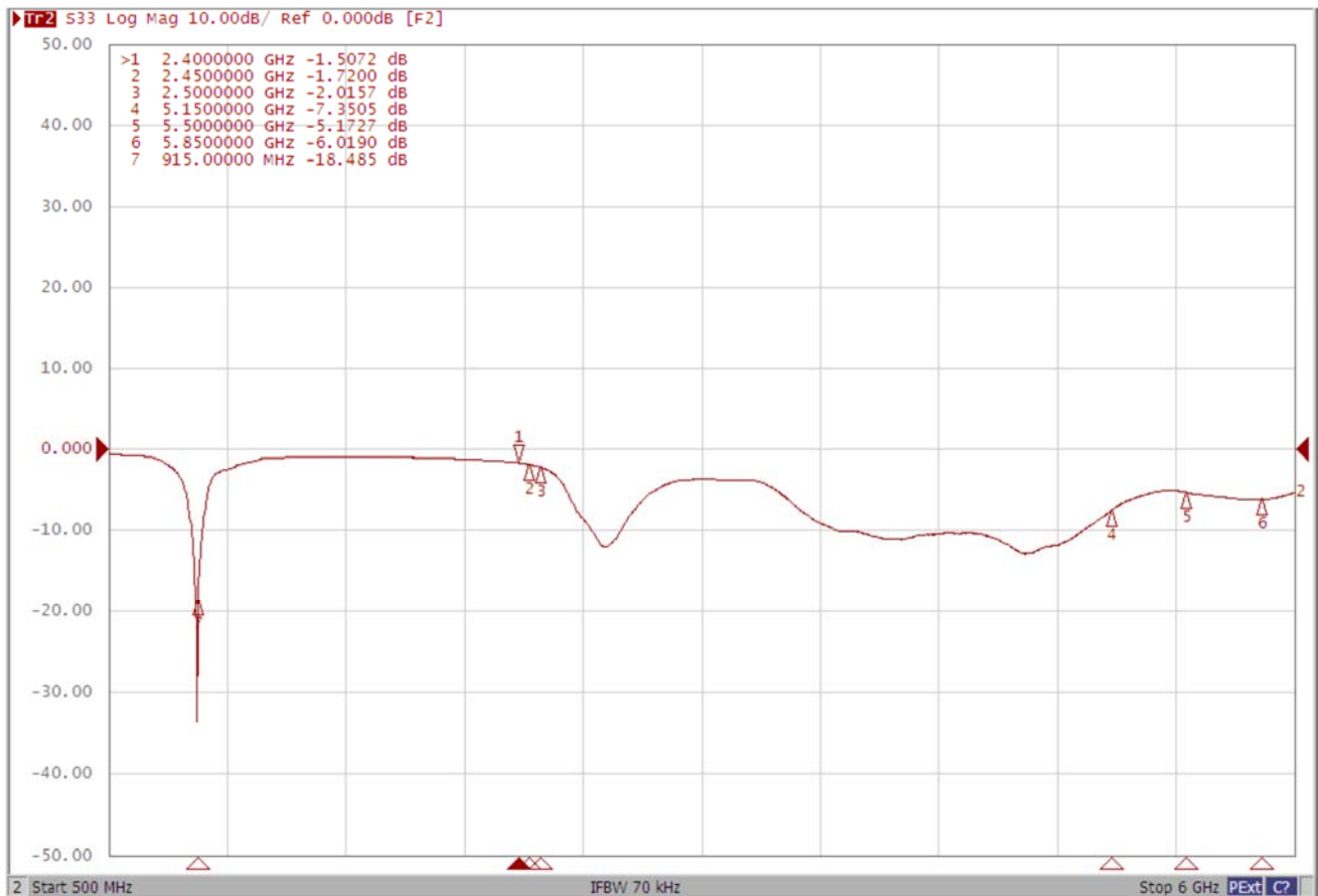
Date: 2022/12/8

Antenna Specification

Ant .	Antenna Brand	Antenna. model	Antenna type	Antenna Gain (dBi)	Frequency Range (MHz)	Connector type	Cable length (cm)	Cable Loss	Remark
#1	PSA	RFMTA 341100N NUB001	PIFA	1.66dBi@915MHz	915MHz	X	X	X	X

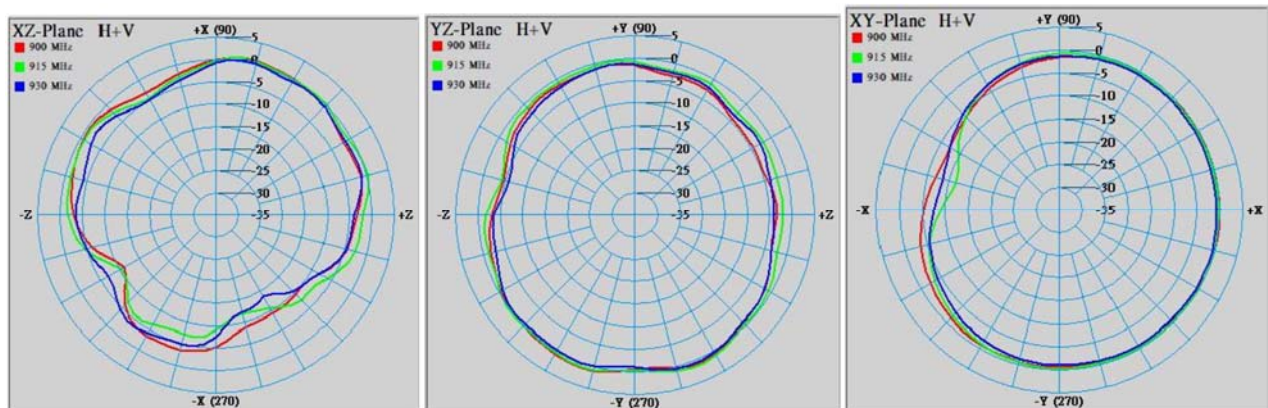
Test Result:

Return Loss



2D Radiation Patterns:

915MHz





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	ZX plane		ZY plane		XY plane	
Frequency [MHz]	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]
900	0.94	-2.88	1.09	-1.58	0.01	-1.58
915	0.84	-2.81	1.39	-0.89	0.00	-1.57
930	0.33	-3.58	0.66	-1.84	-0.45	-2.01

Antenna Gain Table:

Frequency(MHz)	Ant1(dBi)
900	1.24
915	1.66
930	1.06

Antenna Peakgain (θ , ϕ):

1.66 dBi @ 915MHz (292° , 70°)



Antenna Vendor information:

Walsin Technology Corporation

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



Antenna Vendor : **Walsin Technology Corporation**

Test date: 2022/11/25

Test Engineer: Sam

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

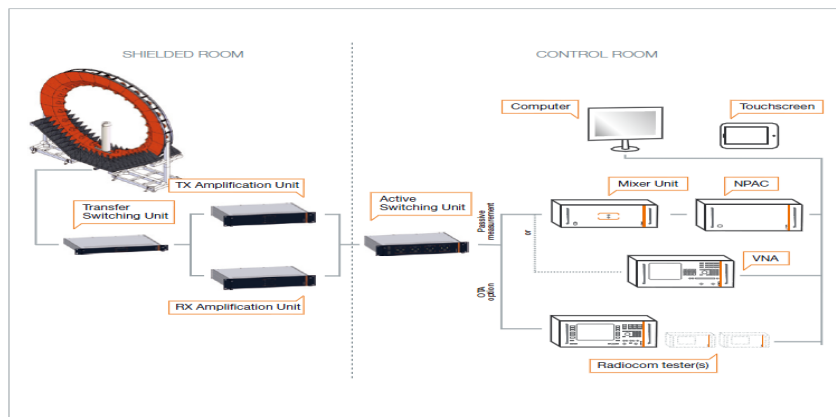
Measurement Setup:

Reflection Coefficient Measurement:

-Instrument : E5071C

-Setup:

System overview



Pattern Measurement:

-Chamber : Satimo

-Test Program: SPM V15

-Setup Photo(Appendix A)

Test instrument calibration information:

Vendor	Model	Calibrated Date	Calibrated Until
Satimo	SG24	2022/11/29	2023/11/29
Keysight Network Analyzer	E5071C	2020/3/3	2023/3/3