

ANTENNA TEST REPORT

Product : Bluetooth 5Module
Brand: Fanstel
Model: BT832X, BT832XE
Model Difference: N/A
Applicant: Fanstel Corporation, Taipei
Address: 10F-10, No. 79, Sec. 1, Hsin Tai Wu Rd.,
Hsi-Chih, New Taipei City 221 Taiwan

Test Performed by:

International Standards Laboratory

<Lung-Tan LAB>

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Report No.: **ISL-17LR129ANT**

Issue Date : **2017/11/17**

Test By:

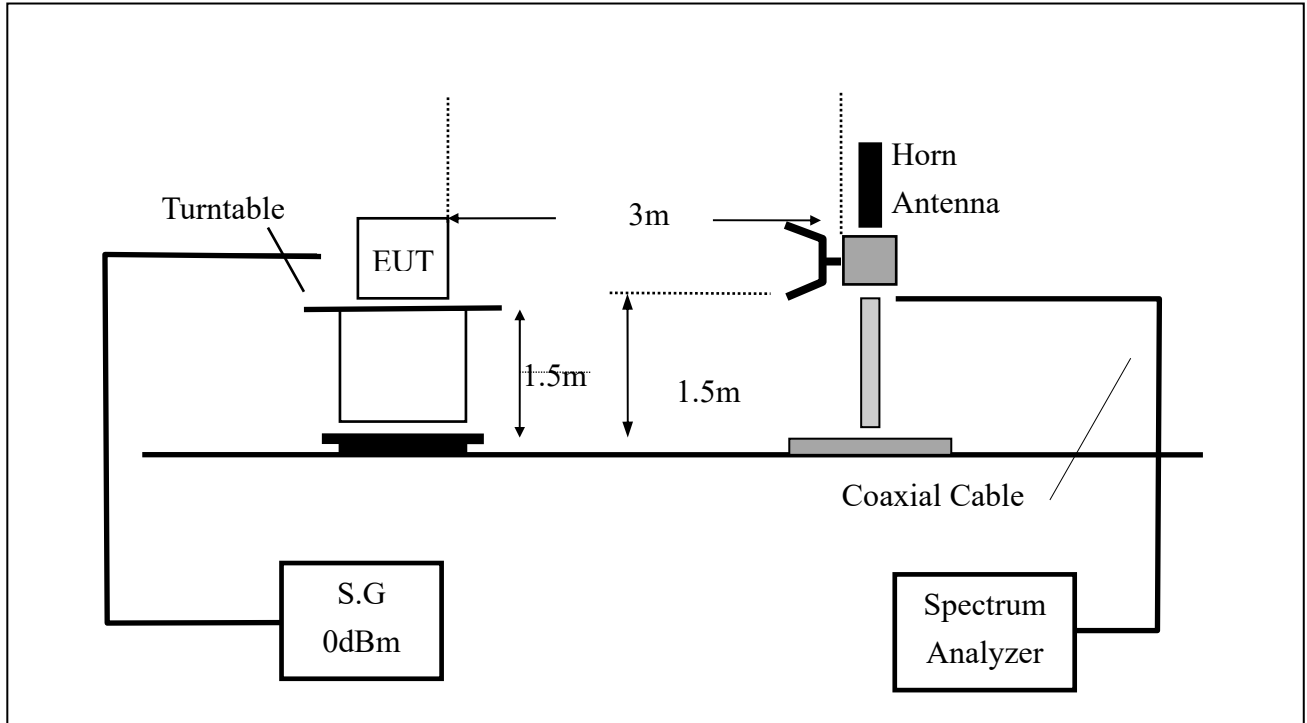
Lake Cheng

Test results given in this report apply only to the specific sample(s) tested and are traceable to national or international standard through calibration of the equipment and evaluating measurement uncertainty herein.

This report **MUST** not be used to claim product endorsement by TAF, NEMKO or any agency of the Government.

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1. Test SET-UP (Block Diagram of Configuration)



Measurement Equipment Used:					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Spectrum Analyzer	Agilent	N9010A	MY52100117	06/30/2017	06/29/2018
Horn antenna	SCHWARZBECK	9120D	9120D-1627	07/21/2017	07/20/2018
Horn antenna	EM	EM-AH-10180	2011090207	10/05/2017	10/04/2018
Signal Generator	R&S	SMU200A	102330	03/15/2017	03/14/2018

2. EUT Photo

Figure 1

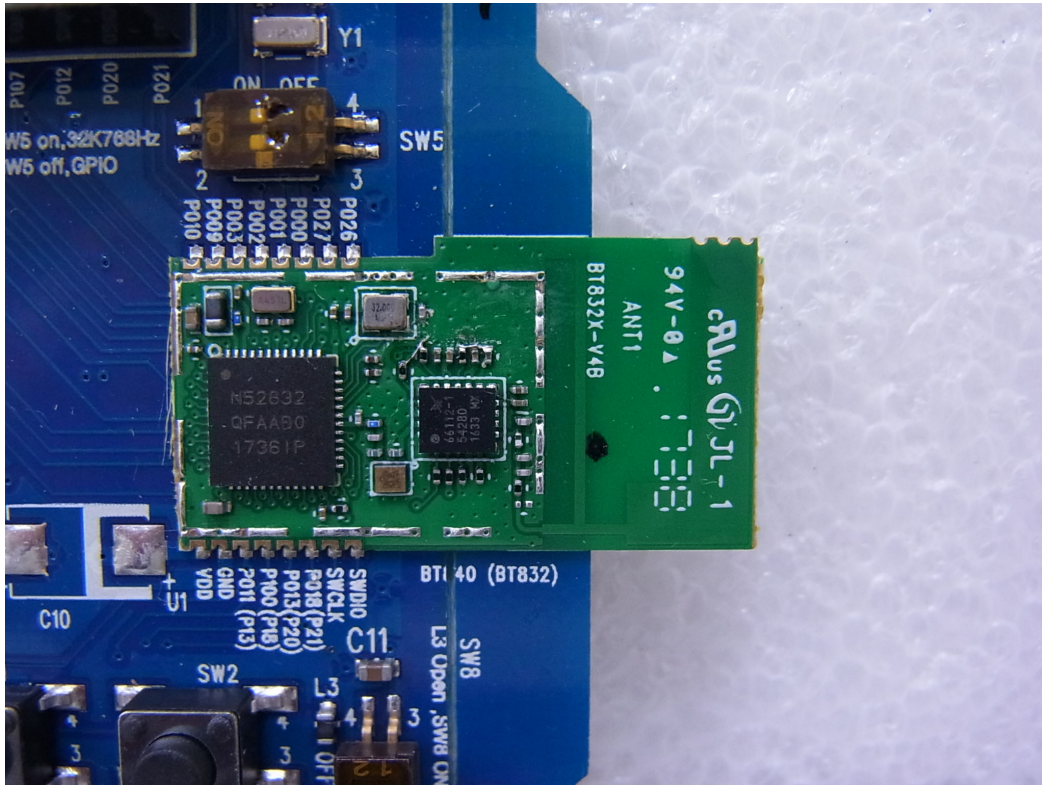
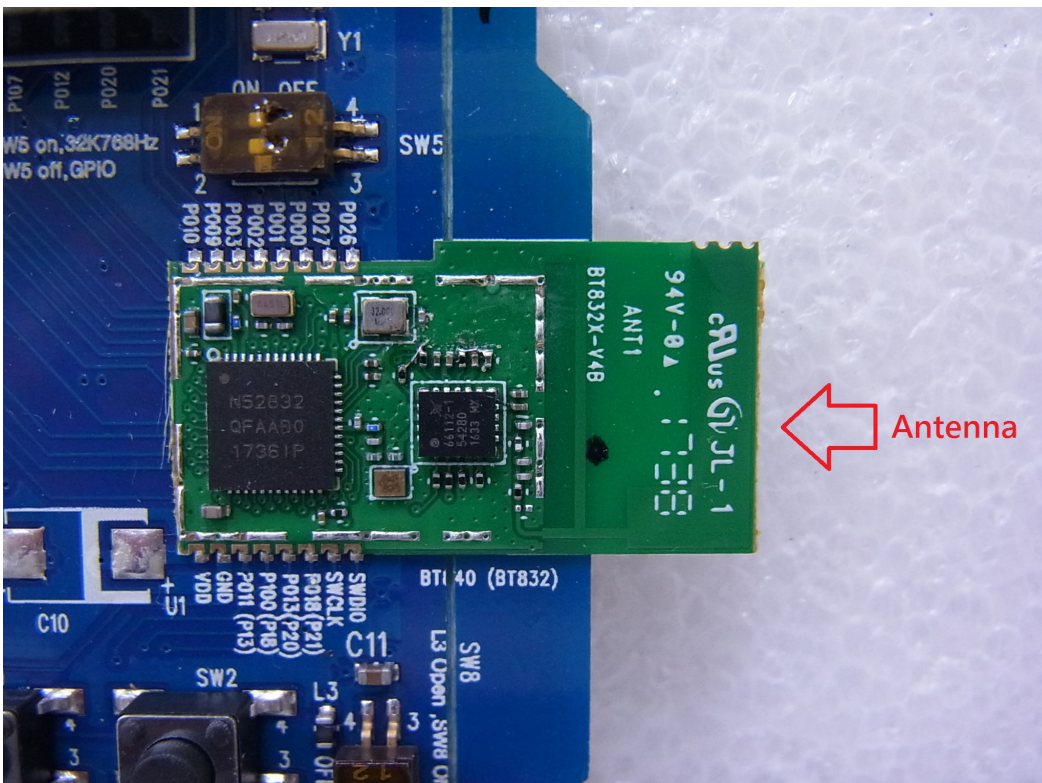


Figure 2



Test Result

Antenna 1

Maximum gain test result:	
Maximum antenna Gain	= 2.34 dBi

Antenna Gain	2400	2450	2500	Unit
		1.44	1.6	2.34

Figure 1. Antenna 2400MHz

Figure 2. Antenna 2450MHz

Figure 3. Antenna 2500MHz

Figure 1

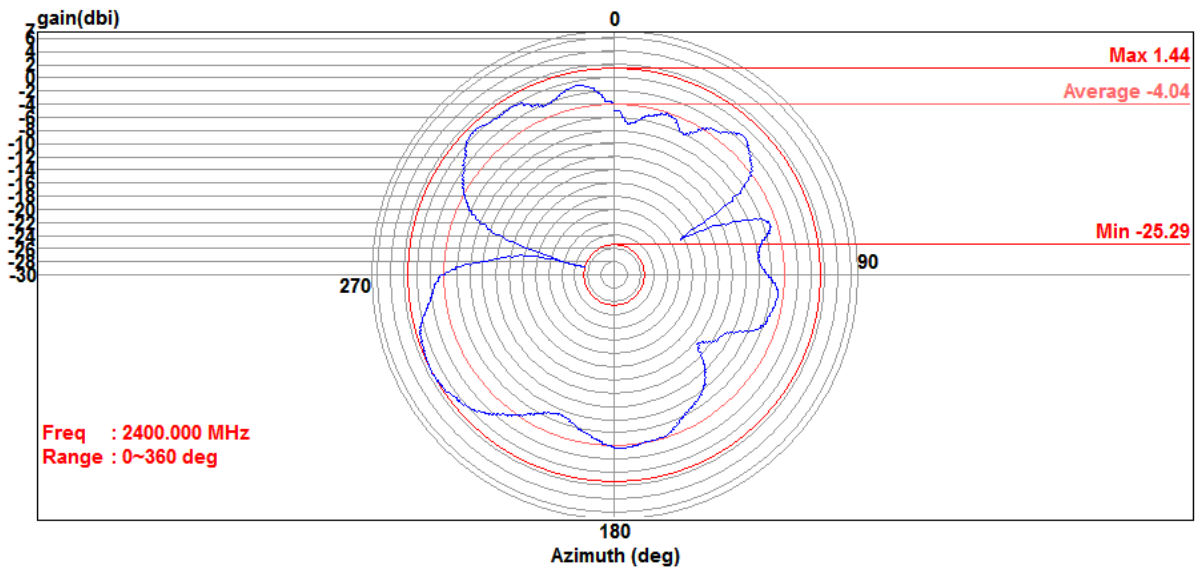


Figure 2

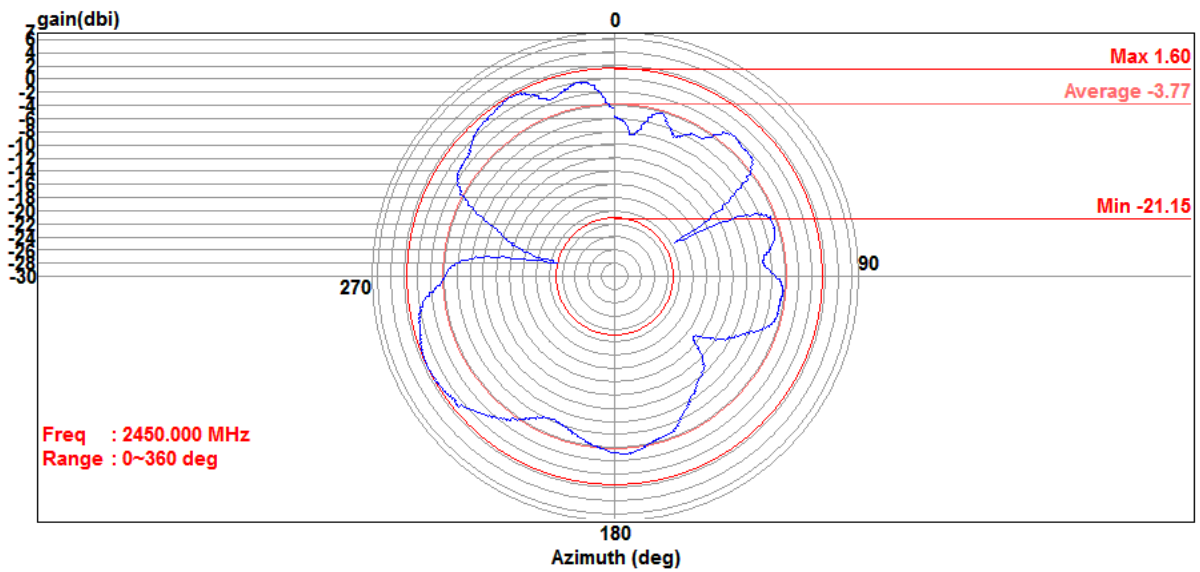


Figure 3

