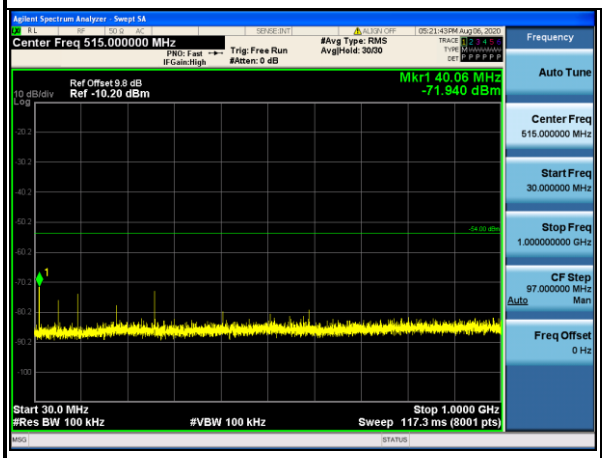
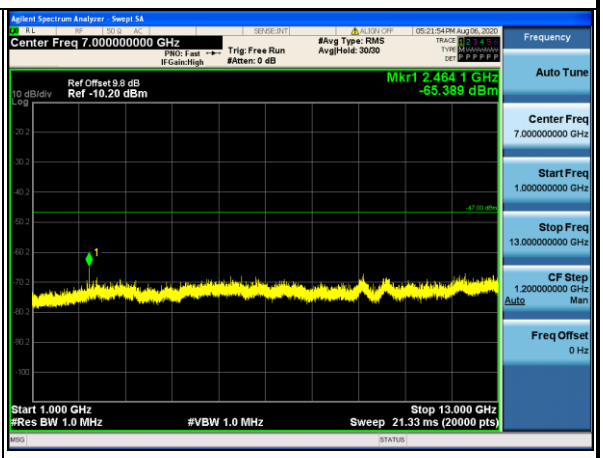
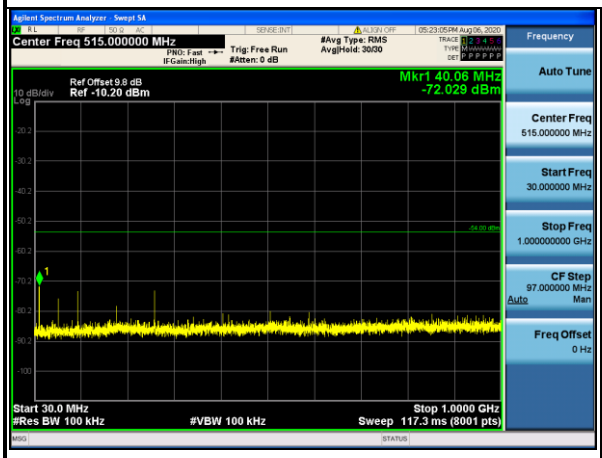
BT-LE GFSK (2 Mbps)

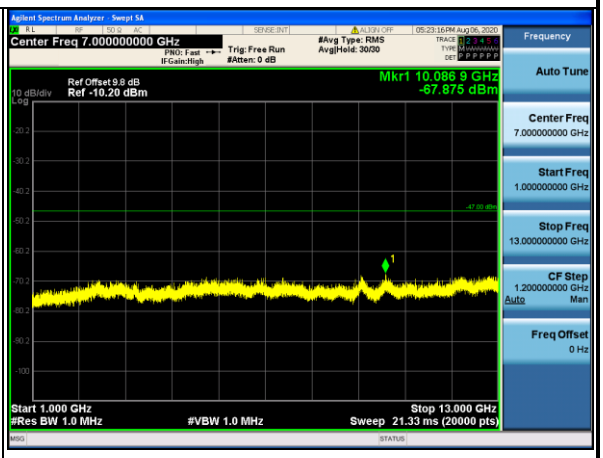
Vnormal



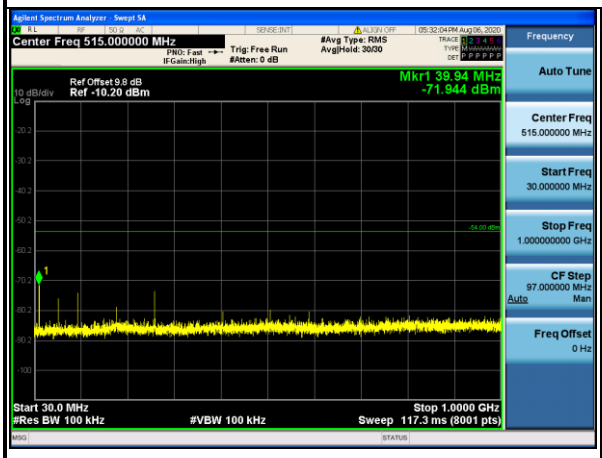


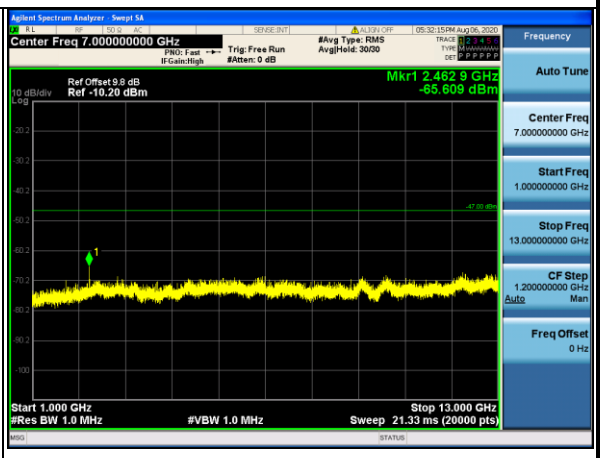
Channel 0





Channel 19

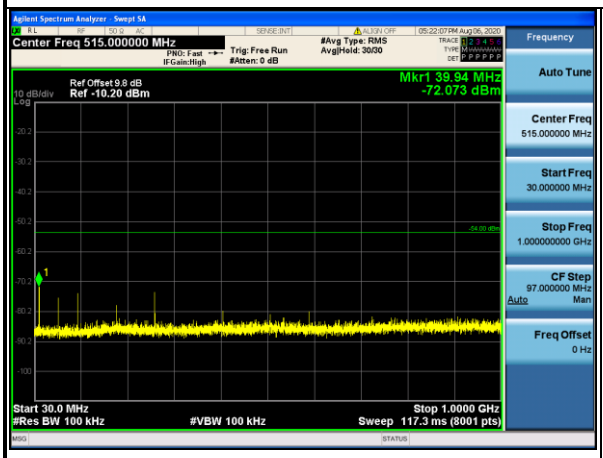


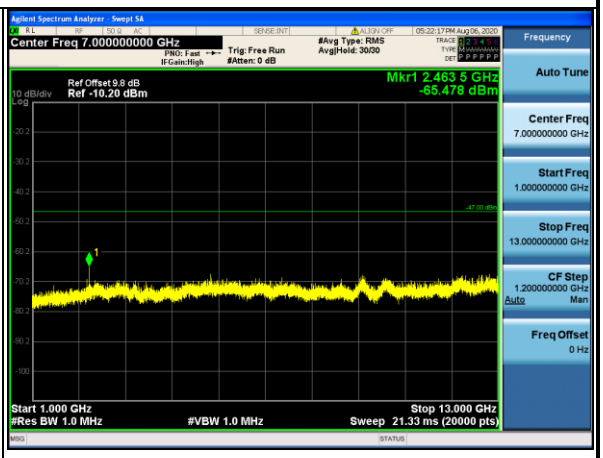


Channel 39

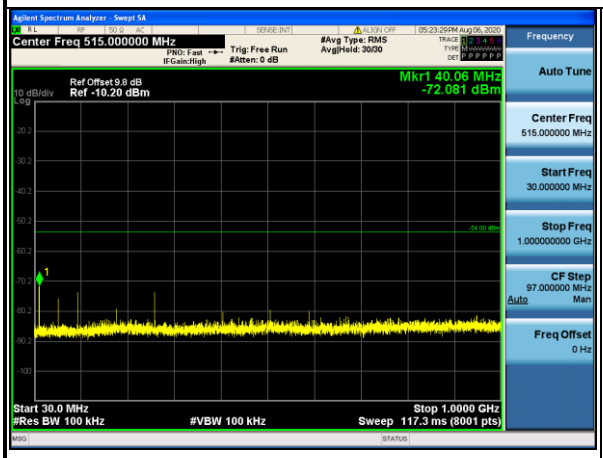
Measurement uncertainty: ±2.50dB

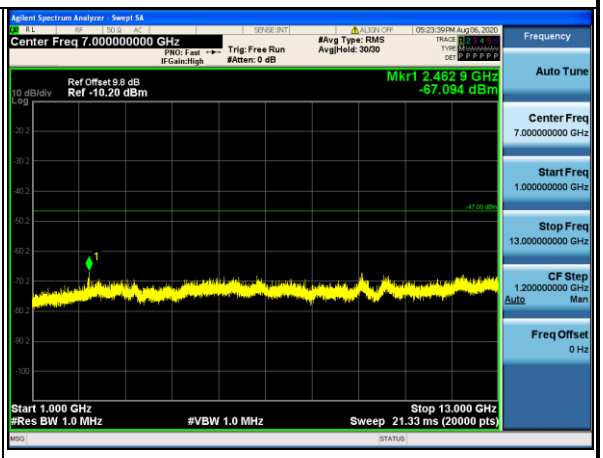
V+10%



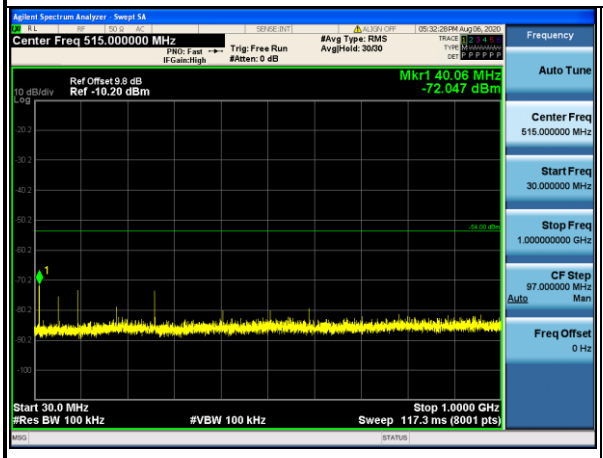


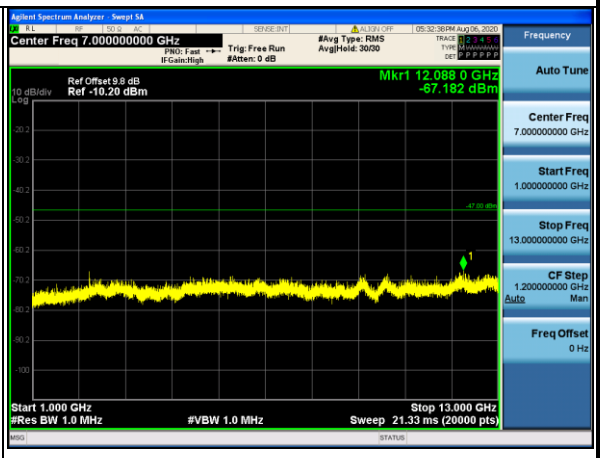
Channel 0





Channel 19

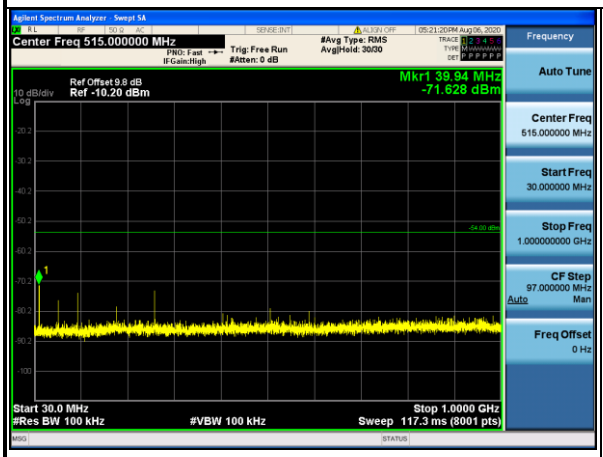


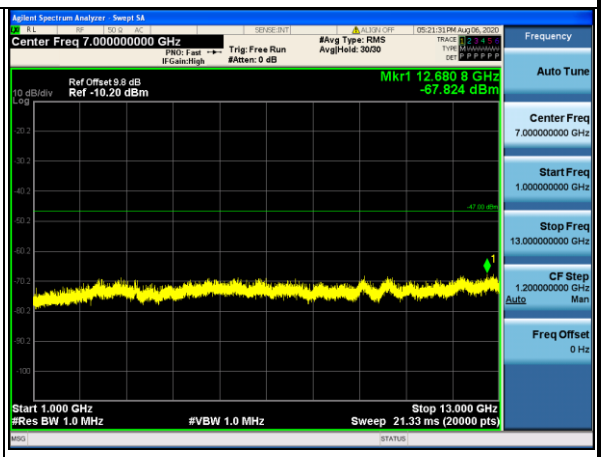


Channel 39

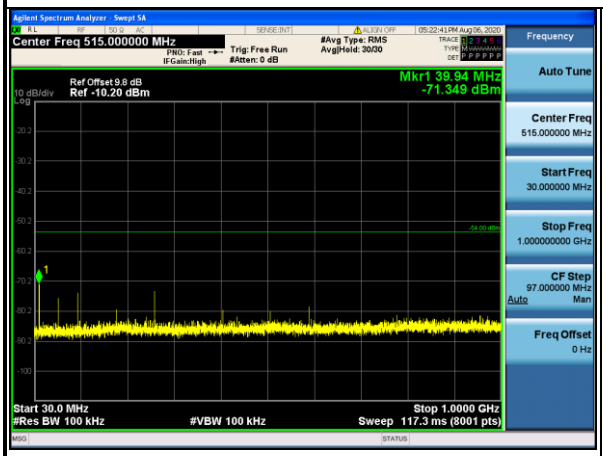
Measurement uncertainty: ±2.50dB

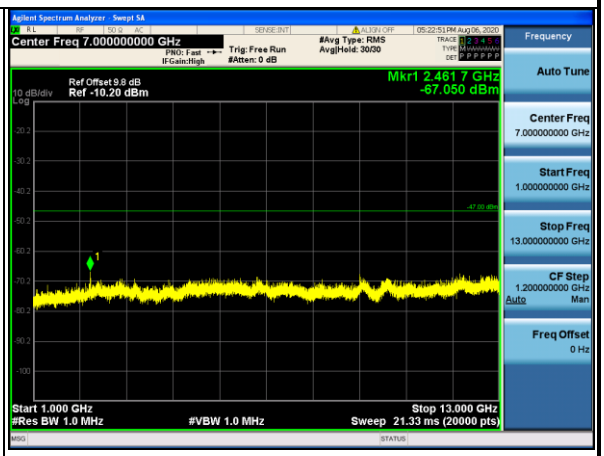
V-10%



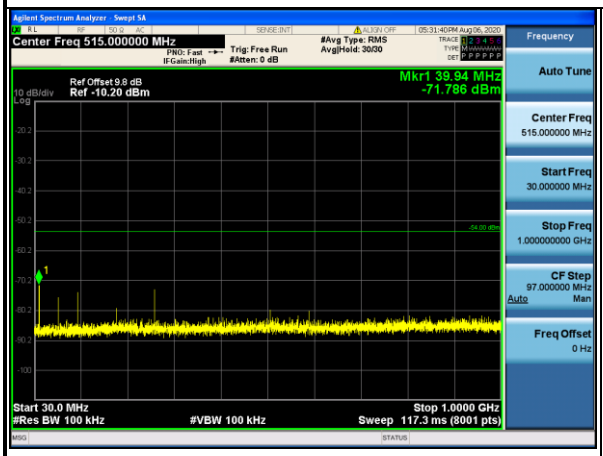


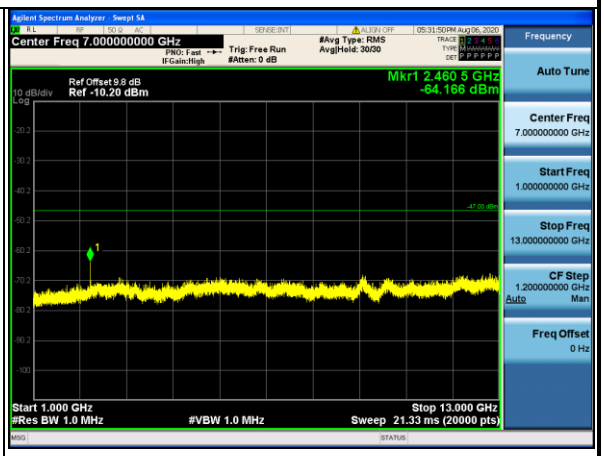
Channel 0





Channel 19



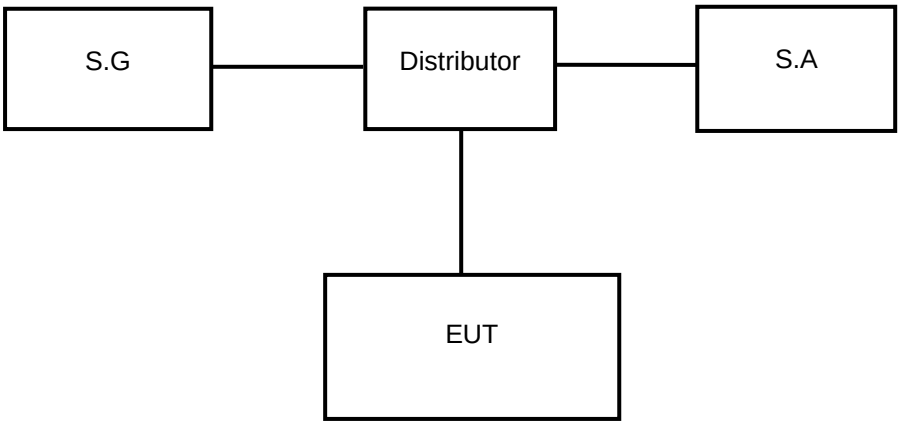


Channel 39

Measurement uncertainty: ±2.50dB

3.7 CARRIER SENSE CAPABILITY

3.7.1 MEASURING SYSTEM BLOCK DIAGRAM



3.7.2 MEASURING OPERATION PROCEDURES

a) Turn the standard signal generator output OFF. Leave the equipment under test to be ready for transmission and verify the transmission with the spectrum analyzer.

b) Set the equipment under test to the receiving state.

c) Turn the standard signal generator ON and leave the equipment under test to be ready for transmission and verify with the spectrum analyzer that no transmission is being made.

3.7.3 LEVEL OF THE AMBIENT CARRIER

BT-LE GFSK (1 Mbps)

FREQUENCY (MHz)	Pcs (dBm)	C.F (dB)	S.G LEVEL
2402	-44.95	6.07	-38.88
2440	-45.09	6.07	-39.02
2480	-45.23	6.07	-39.16

NOTE:
Pcs (dBm) = 22.65 + Gr - 20log(F).
Gr: Antenna gain **(2.4GHz: 0dBi).**
F: Transmission frequency (MHz).
CF = Distributor loss + cable loss.

BT-LE GFSK (2 Mbps)

FREQUENCY (MHz)	Pcs (dBm)	C.F (dB)	S.G LEVEL
2402	-44.95	6.07	-38.88
2440	-45.09	6.07	-39.02
2480	-45.23	6.07	-39.16

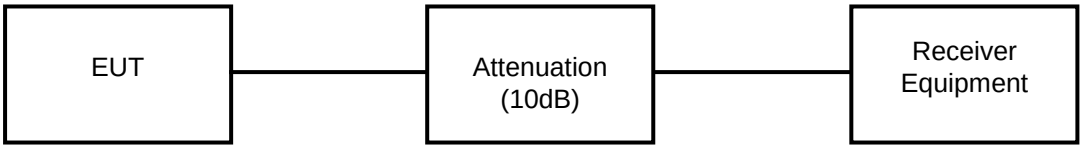
NOTE:
Pcs (dBm) = 22.65 + Gr - 20log(F).
Gr: Antenna gain **(2.4GHz: 0dBi).**
F: Transmission frequency (MHz).
CF = Distributor loss + cable loss.

3.8 INTERFERENCE PREVENTION FUNCTION

3.8.1 LIMITS OF INTERFERENCE PREVENTION FUNCTION

N/A

3.8.2 TEST SETUP



3.8.3 TEST RESULTS

ENVIRONMENTAL CONDITIONS	24 deg.C, 71% RH
LINK MODE	**TEST RESULT**
BT-LE	PASS

4 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
DC Power Supply	Agilent	E3640A	MY40004013	Mar. 30,20	Mar. 30,21
MXA Signal Analyzer	Agilent	N9020A	MY49100060	Mar. 24,20	Mar. 24,21
MXG Vector Signal Generator	Agilent	N5182A	MY50140530	Mar. 24,20	Mar. 24,21
Series Signal Generator	Agilent	E4421B	US40051152	Dec. 18, 19	Dec. 17, 20
RF control unit	Tonsend	JS0806-0806-2	188060112	Mar. 24,20	Mar. 24,21
Wireless Connectivity Tester	Rohde&Schwarz	CMW270	1201.0002K75-101601-PE	Dec. 18, 19	Dec. 17, 20

NOTE:

1. The test was performed in RF Ovenroom.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.

5 PHOTOGRAPHS OF THE TEST CONFIGURATION

6 APPENDIX A – MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications were made to the EUT by the lab during the test.

--- END ---