



Company: Silver Spring Networks Measurement: Conducted Spurious Emissions Tester: Quinn Jiang Date: 2013-7-11 Model: eLaBrea PCBA # 174-0396-00 Rev 07 Serial Number: 0013500200A6FF3E

## **Test Equipment**

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Interval
Agilent	Spectrum Analyzer	E4440A	US42221851	2013-03-05	1 Year

*Statement of Traceability: BACL Corp.* attests that all calibrations have been performed per the A2LA requirements, traceable to the NIST.

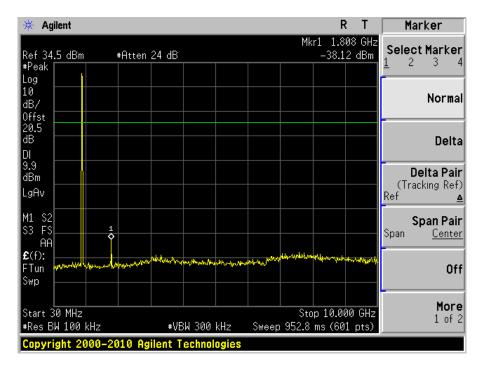
## **Environmental Conditions**

Temperature:	23 ° C
<b>Relative Humidity:</b>	46 %
ATM Pressure:	101.3 kPa

Testing was performed by Quinn Jiang on 2013-07-11 at the RF Site

## **Test Results**

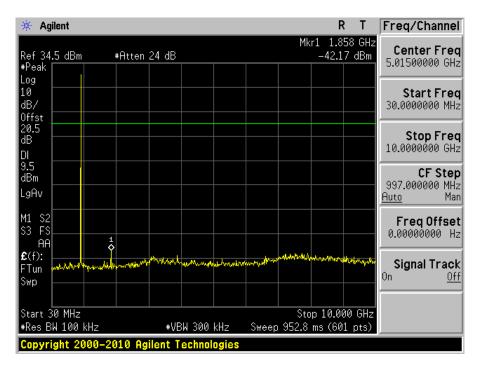
Please refer to the following plots



900 MHz, FSK Low Channel (channel 0)

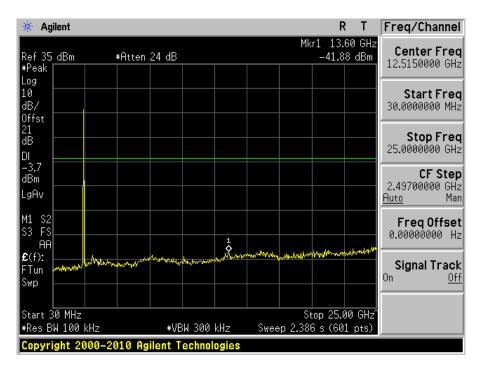
900 MHz, FSK Middle Channel (channel 43)

🔆 Agilent				RL	Freq/Channel
Ref 34.5 dBm #Peak	#Atten 24 dB		Mki	1 1.825 GHz -40.30 dBm	Center Freq 5.01500000 GHz
Log 10 dB/ Offst					Start Freq 30.0000000 MHz
20.5 dB DI					<b>Stop Freq</b> 10.0000000 GHz
9.8 dBm LgAv					<b>CF Step</b> 997.000000 MHz <u>Auto</u> Man
	1 <b>&gt;</b>				FreqOffset 0.00000000 Hz
£(f): FTun www.wh Swp	Martin Martin Company	-hlu.Javelle.a.saaraare	antas (mitig allala Marasa	"photo the antion of the state	Signal Track <sup>On <u>Off</u></sup>
Start 30 MHz #Res BW 100 kHz	#VB	↓ 300 kHz	Sto Sweep 952.8	p 10.000 GHz ms (601 pts)	
Copyright 2000–2010 Agilent Technologies					



900 MHz, FSK High Channel (channel 82)

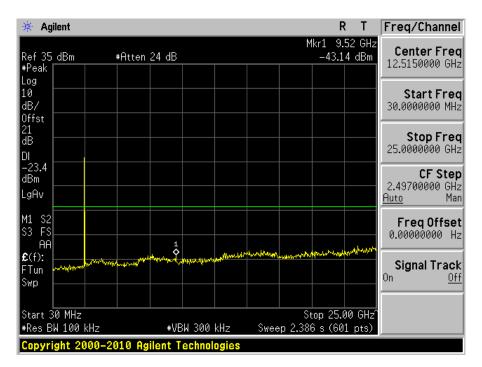
2.4GHz, DSS Low Channel (Channel 11), Gain setting of 11

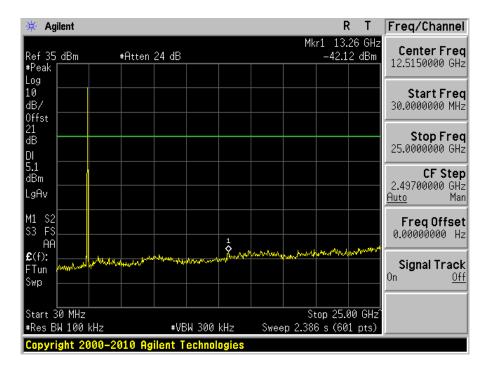


Freq/Channel 🔆 Agilent R T Mkr1 2.44 GHz **Center Freq** Ref 35 dBm #Peak 16.87 dBm #Atten 24 dB 12.5150000 GHz Log 10 Start Freq 0 dB/ 30.0000000 MHz 0ffst 21 dB Stop Freq 25.0000000 GHz DI -3.1 dBm **CF** Step 2.49700000 GHz LgAv Auto Man M1 S2 S3 FS Freq Offset 0.00000000 Hz AA **£**(f): Signal Track FTun 0n <u>Off</u> Swp Start 30 MHz #Res BW 100 kHz Stop 25.00 GHz #VBW 300 kHz Sweep 2.386 s (601 pts) Copyright 2000-2010 Agilent Technologie

2.4GHz, DSS Middle Channel (Channel 18), Gain setting of 11

2.4GHz, DSS High Channel (Channel 26), Gain setting of 3

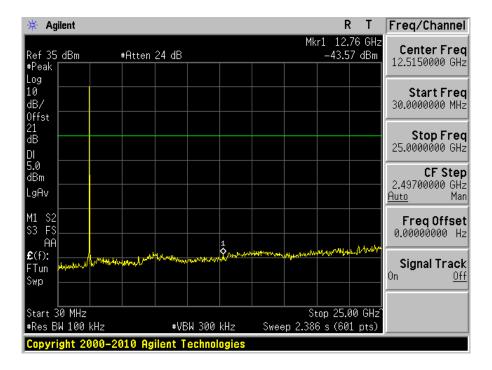




2.4 GHz, GFSK Low Channel (Channel 0), Gain Setting of 14

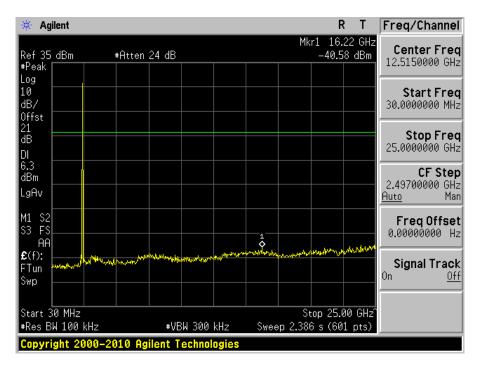
2.4 GHz, GFSK Middle Channel (Channel 49), Gain Setting of 14

🔆 Agilent						R	Т	Freq/Channel
Ref 35 dBm #Peak	#Atten	24 dB			Mkr	1 13.1 -42.45		Center Freq 12.5150000 GHz
Log 10 dB/ Offst								Start Freq 30.0000000 MHz
21 dB DI								<b>Stop Freq</b> 25.0000000 GHz
5.3 dBm LgAv								<b>CF Step</b> 2.49700000 GHz <u>Auto</u> Man
M1 S2 S3 FS AA								Freq Offset 0.00000000 Hz
£(f): FTun ሥላሌሌላ ም Swp	3 <sup>94</sup> 1000 Jone years of 19 <sup>44</sup>	hallower and a second and a second	n for the second second	~~~~~	cseptoperand (L) <sup>4</sup> 4	al-ha <sup>n-la</sup> p-la <sup>p</sup>		<b>Signal Track</b> On <u>Off</u>
Start 30 MHz #Res BW 100 k	Hz	#VBW 300	kHz	Swee	Sto p 2.386	op 25.0 s (601		
Copyright 200	00-2010 Ag	ilent Techno	logies					

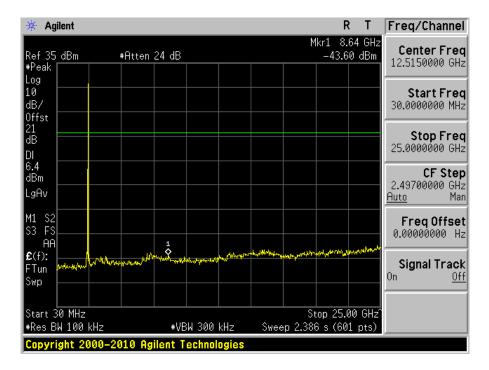


2.4 GHz, GFSK High Channel (Channel 90), Gain Setting of 14

2.4 GHz, GFSK Low Channel (Channel 0), Gain Setting of 15



2.4 GHz, GFSK



Middle Channel (Channel 49), Gain Setting of 15

2.4 GHz, GFSK High Channel (Channel 90), Gain Setting of 15

