

SAMSUNG ELECTRONICS Co., Ltd., Regulatory Compliance Group IT R&D Center 416 Maetan3-Dong, Yeongtong-gu, Suwon city, Gyeonggi-Do, Korea 443-742

FCC CFR47 PART 15 SUBPART CERTIFICATION REPORT

Model Tested:	SGH-E370
FCC ID (Requested):	A3LSGHE370
Report No:	FD-017-R2
Job No:	FD-017
Date issued:	February 17, 2006

- Abstract -All measurement reported herein accordance with FCC Rules, 47CFR Part2, Part15.

Prepared By	10/22	Date	2006.02.17
	YE PARK – Test Engineer		
Checked By	un bung	Date	2006.02.17
	WW JANG – Assistant Manager		
Authorized By	145	Date	2006.02.20
	SH PARK – Senior Manager		

© Copyright SAMSUNG Electronics 2006



TABLE OF CONTENT

MEASUREMENT REPORT	Page
1. FCC CERTIFICATION INFORMATION	4
1.1 §2.1033 GENERAL INFORMATION	
2. INTRODUCTION	4
2.1 SAMSUNG TEST LOCATION	5
2.2 SCOPE	5
2.2 MEASUREMENT PROCEDURE	5
3. TEST EQUIPMENT LIST	6
4. TECHNICAL CHARACTERISTICS TEST	7
4.1 20dB BANDWIDTH	7
4.1.1 LIMIT	7
4.1.2 TEST SET-UP	7
4.1.3 TEST PROCEDURE	7
4.1.4 TEST RESULT	7
4.2 OUTPUT POWER MEASUREMENT	
4.2.1 LIMIT	
4.2.2 TEST SET-UP	
4.2.3 TEST PROCEDURE	
4.2.4 TEST RESULT	
4.3 CONDUCTED SPURIOUS EMISSION TEST	9
4.3.1 LIMIT	9
4.3.2 TEST SET-UP	9
4.3.3 TEST PROCEDURE	9
4.3.4 TEST RESULT	9
4.4 BAND EDGE COMPLIANCE	10
4.4.1 LIMIT	10
4.4.2 TEST SET-UP	10
4.4.3 TEST PROCEDURE	10
4.4.4 TEST RESULT	10
4.5 NUMBER OF HOPPING CHANNELS	11
4.5.1 LIMIT	11
4.5.2 TEST SET-UP	11
4.5.3 TEST PROCEDURE	11
4.5.4 TEST RESULT	11



4.6 CHANNEL SEPARATION TEST	12
4.6.1 LIMIT	12
4.6.2 TEST SET-UP	12
4.6.3 TEST PROCEDURE	12
4.6.4 TEST RESULT	12
4.7 DWELL TIME	13
4.7.1 LIMIT	13
4.7.2 TEST SET-UP	13
4.7.3 TEST PROCEDURE	13
4.7.4 TEST RESULT	13
4.8 RADIATED HARMONIC MEASUREMENTS	14
4.8.1 LIMIT	14
4.8.2 TEST SET-UP	14
4.8.3 TEST PROCEDURE	14
4.8.4 TEST RESULT	15
5. CONCLUSION	16
6. TEST PLOTS	17



MEASUREMENT REPORT

1. FCC CERTIFICATION INFORMATION

The following information is in accordance with FCC Rules, 47CFR Part15, Subpart C

1.1 §2.1033 GENERAL INFORMATION

- Applicant Name: SAMSUNG ELECRONICS CO., LTD.
- Address: 416 Maetan3-Dong, Yeongtong-gu, Suwon City Gyeonggi-Do, Korea 443-742
- Attention: SungJoo KIM, Engineering Manager (QA Lab)
- FCC ID: A3LSGHE370
- Quantity: Quantity production is planned.
- Equipment (EUT) Type: Single-Band PCS GSM/EDGE Phone with Bluetooth
- This Bluetooth Module has been tested by Bluetooth Qualification Lab, and we confirm the following:
 - A) The hopping sequence is pseudorandom
 - B) All Channels were used equally on average
 - C) The receiver input bandwidth equals the transmit bandwidth
 - D) the receiver hops in sequence with the transmit signal
- 15.247(g): In accordance with the Bluetooth Industry Standard, the system is designed to comply with all of the regulations in Section 15.247 when the transmitter is presented with a continuous data (or information) stream.
- 15.247(h): In accordance with the Bluetooth Industry Standard, the system does not coordinate its channel selection/hopping sequence with other frequency hopping systems for the express purpose of avoiding the simultaneous occupancy of individual hopping frequencies by multiple transmitters.
- FCC Classification(s): FCC Part15 Spread Spectrum Transceiver (DSS)
- Frequency Range: 2402 ~ 2480MHz(Bluetooth)
- Max. Output Power: 0.00167W(2.22dBm) Conducted
- FCC Rule Part(s): §15.247, §2
- Dates of Test: February 16. 2006
- Place of Test: SAMSUNG Lab,
- Test Report S/N: FD-017-R2

- End of page -



2. INTRODUCTION

2.1 SAMSUNG TEST LOCATION

These measurement test were conducted at the **SAMSUNG ELECTRONICS CO., LTD(SUWON)**. The site address is 416 Maetan3-Dong, Yeongtong-gu, Suwon City, Gyeonggi-Do, Korea 443-742. The site has 1 Fully-anechoic chamber and measurement facility.



Figure1. Map of the Suwon City area.

2.2 SCOPE

All measurement tests were conducted at the SAMSUNG Lab, except Radiated Emission & Conducted Emission test. RE and CE measurement test reports are issued separately.

2.3 MEASUREMENT PROCEDURE

The radiated and spurious measurements were made Fully-anechoic chamber at a 3-meter test range (see Figure2). The equipment under testing was placed on a wooden turntable 3-meters from the receive antenna. The receive antenna height and turntable rotations were adjusted for the highest reading on the receive spectrum analyzer.



Figure2. Photograph of 3m Fully Anechoic Chamber - End of page -



3. TEST EQUIPMENT LIST

Name of Equipment	Model	Serial No.	Due Date
	ESI26	836119/010	2006-09-26
Spectrum Analyzer	E4440A(3Hz~26.5GHz)	MY41000236	2006-10-13
	E4440A(3Hz~26.5GHz)	MY41000233	2006-10-20
Pre-Amplifier	8449B	3008A00691	2007-01-02
Antenna Master	MA0001	ANT0967	Not Required
Controller	HD100	100/756	Not Required
Horn Antenna	HF906	100134	2006-04-25
	WHK/3.5/18G-10SS	3	Not Required
High Pass Filter	WHK/3.5/18G-10SS	4	Not Required
Shielded Fully-Anechoic Chamber	RF0002	ANT0001	Not Required
Power Meter	E4419B	GB41293846	2006-09-07
Power sensor	8481B	3318A10325	2006-09-08
Power sensor	8485A	3318A19924	2006-09-08
Network Analyzer	8753E	JP38160590	2006-06-30
Power Supply	E3640A	MY40003595	2006-06-16
Power Supply	E3640A	MY40003594	2006-06-29
UNIVERSAL RADIO COMMUNICATION TESTER	CMU200	838115/081	2006-04-08



4. TECHNICAL CHARACTERISTICS TEST

4.1 20dB BANDWIDTH

FCC Part15, Subpart C Section 15.247(a)

4.1.1 LIMIT

For frequency hopping system operation in the 2400-2483.5MHz and 5725-5850MHz bands, the maximum 20dB bandwidth of the hopping channels is 1MHz.

Frequency(MHz)	Channel no.	20dB Bandwidth LIMIT(kHz)
2402	0	<1000
2441	39	<1000
2480	78	<1000

4.1.2 TEST SET-UP



The EUT was connected to a spectrum through a 50ohm RF cable.

4.1.3 TEST PROCEDURE

1. Check the calibration of the measuring instrument (SA) using either an internal calibrator or a known signal from an external generator.

2. Turn on the EUT and connect it to measurement instrument. Then set it to any one proper frequency within its operating range.

3. Measure the frequency difference of two frequencies that were attenuated 20dB from the highest peak value.

4. Repeat above procedures until all frequencies measured were complete.

4.1.4 TEST RESULT

Frequency(MHz)	Channel no.	20dB Bandwidth(kHz)	20dB Bandwidth LIMIT(kHz)	Pass/Fail
2402	0	879	<1000	Pass
2441	39	872	<1000	Pass
2480	78	878	<1000	Pass



4.2 OUTPUT POWER MEASUREMENT

FCC Part15, Subpart C Section 15.247(b)

4.2.1 LIMIT

For frequency hopping systems in the 2400-2483.5MHz band employing at least 75 hopping channels, and all frequency hopping systems in the 5725-5850 MHz BAND : 1 Watt (30dBm)

Frequency Range(MHz)	2400~2483.5
Quantity of Hopping Channel	>75
Limit(W)	1

4.2.2 TEST SET-UP



The EUT was connected to a spectrum through a 500hm RF cable

4.2.3 TEST PROCEDURE

1. Check the calibration of the measuring instrument (SA) using either an internal calibrator or a known signal from an external generator.

2. Turn the EUT and connect it to measurement instrument. Then set it to any one proper frequency within its operating range. Set a reference level on the measuring instrument equal to the highest peak value.

3. The center frequency of the spectrum analyzer is set to the fundamental frequency and using 3MHz RBW and 3MHz VBW.

4.2.4 TEST RESULT

Frequency(MHz)	Channel no.	Power Output(dBm)	Power Output LIMIT(dBm)	Pass/Fail
2402	0	2.22	<30	Pass
2441	39	2.01	<30	Pass
2480	78	1.57	<30	Pass



4.3 CONDUCTED SPURIOUS EMISSION TEST

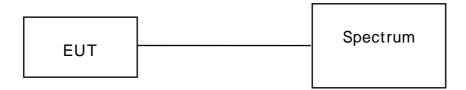
FCC Part15, Subpart C Section 15.247(d)

4.3.1 LIMIT

In any 100kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.

Frequency(MHz)	Channel no.	LIMIT (30MHz – 25GHz)
2402	0	>20dBc
2441	39	>20dBc
2480	78	>20dBc

4.3.2 TEST SET-UP



The EUT was connected to a spectrum through a 50ohm RF cable

4.3.3 TEST PROCEDURE

1. Check the calibration of the measuring instrument (SA) using either an internal calibrator or a known signal from an external generator.

2. The transmitter output was connected to the spectrum analyzer via a low loss cable.

3. Turn the EUT and connect it to measurement instrument. Then set it to any one proper frequency within its operating range.

4.3.4 TEST RESULT

Frequency(MHz)	Channel no.	Actual attenuation below frequency of operation(dBc)	LIMIT (30MHz – 25GHz)	Pass/Fail
2402	0	49.90	>20dBc	Pass
2441	39	57.99	>20dBc	Pass
2480	78	57.70	>20dBc	Pass



4.4 BAND EDGE COMPLIANCE

FCC Part15, Subpart C Section 15.247(d)

4.4.1 LIMIT

In any 100kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.

Frequency Range(MHz)	2400~2483.5
Band edge LIMIT(dBc)	>20

4.4.2 TEST SET-UP



The EUT was connected to a spectrum through a 50ohm RF cable

4.4.3 TEST PROCEDURE

1. Turn the EUT and connect it to measurement instrument. Then set it to any one proper frequency within its operating range.

2. The transmitter output was connected to the spectrum analyzer via a low loss cable.

3. Set both RBW and VBW of spectrum analyzer to 100kHz with suitable frequency span including 100MHz bandwidth from band edge.

4.4.4 TEST RESULT

Frequency(MHz)	Result of Band edge(dBc)	Band edge LIMIT(dBc)	Pass/Fail
<2400	47.91	>20	Pass
>2483.5	45.04	>20	Pass



4.5 NUMBER OF HOPPING CHANNELS

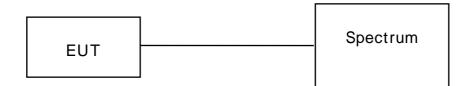
FCC Part15, Subpart C Section 15.247(a)

4.5.1 LIMIT

At least 75 hopping frequencies

Frequency Range(MHz)	2400~2483.5
LIMIT(Quantity of Hopping Channel)	>75

4.5.2 TEST SET-UP



The EUT was connected to a spectrum through a 50ohm RF cable

4.5.3 TEST PROCEDURE

1. Check the calibration of the measuring instrument (SA) using either an internal calibrator or a known signal from an external generator.

2. Turn on the EUT and connect its antenna terminal to measurement via a low loss cable. Then set it to any one measured frequency within its operation range and make sure the instrument is operated in its linear range.

3. Set the SA on MaxHold Mode, and then keep the EUT in hopping mode.

4.5.4 TEST RESULT

HOPPING CHANNEL	QUANTITY OF	QUANTITY OF	Pass/Fail
FREQUENCY	HOPPING CHANNEL	HOPPING CHANNEL	
RANGE(MHz)	READ VALUE	LIMIT	
2400~2483.5	79	>75	Pass



4.6. CHANNEL SEPARATION TEST

FCC Part15, Subpart C Section 15.247(a)

4.6.1 LIMIT

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25kHz or the 20dB bandwidth of the hopping channel, whichever is greater.

Frequency Range(MHz)	2400~2483.5	
LIMIT(KHz)	>25	

4.6.2 TEST SET-UP



The EUT was connected to a spectrum through a 50ohm RF cable

4.6.3 TEST PROCEDURE

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.

2. Turn on the EUT and connect it to measurement instrument. Then set it to any one proper frequency within its operating range.

3. By using the Max Hold function record the separation of two adjacent channels.

4. Measure the frequency difference of these two adjacent channels by SA MARKER function.

4.6.4 TEST RESULT

CHANNEL	CHANNEL	SEPARATION READ		
NUMBER	FREQUENCY	VALUE(KHz)		
39	2441	1000	>25	Pass



4.7. DWELL TIME

FCC Part15, Subpart C Section 15.247

4.7.1 LIMIT

The average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 30 second period.

Frequency Range(MHz)	2400~2483.5	
LIMIT(ms)	<400	

4.7.2 TEST SET-UP



The EUT was connected to a spectrum through a 50ohm RF cable

4.7.3 TEST PROCEDURE

1. Check the calibration of the measuring instrument (SA) using either an internal calibrator or a known signal from an external generator.

2. Turn on the EUT and connect its antenna terminal to measurement via a low loss cable. Then set it to any one measured frequency within its operation range and make sure the instrument is operated in its linear range.

3. Adjust the center frequency of SA on any frequency be measured and set SA to zero span mode. And then, set RBW and VBW of spectrum analyzer to proper value.

4. Measure the time duration of one transmission on the measured frequency.

4.7.4 TEST RESULT

CHANNEL NUMBER	CHANNEL FREQUENCY(MHz)	Time of occupancy (Dwell Time) (ms)	Time of occupancy limit(ms)	Pass/Fail
39	2441.00	159.463	<400	Pass



4.8 RADIATED HARMONIC MEASUREMENT

FCC Part15, Subpart C Section 15.249, 15.209

4.8.1 LIMIT

The field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

FUNDAMENTAL FREQUENCY(MHz)	FIELD STRENGTH OF HARMONICS(dBuV/m) (at 3m)
2400~2483.5	<54

4.8.2 TEST SET-UP

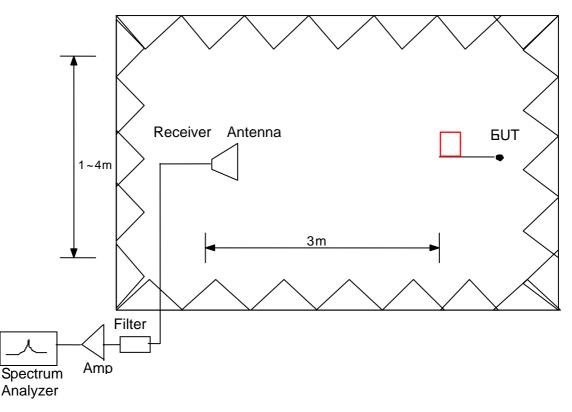


Figure 3. Diagram of Radiated harmonic test Set-up

4.8.3 TEST PROCEDURE

1. The EUT was placed on the top of a rotating table 1 meters above the ground at a 3 meter fullyanechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

2. The EUT was set 3 meters away from the receiver antenna, which was mounted on the top of a variable-height antenna tower.

3. The antenna is a horn antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.



5. The test-receiver system was set to Average Detect Function and Specified Bandwidth with Maximum Hold Mode.

4.8.4 TEST RESULT

Test mode : Ch0

FREQ. (MHz)	Reading	Cable loss (dB)	Ant. Fact. (dB)	POL. (H/V)	F/S (dBuV/m)	LIMIT (dBuV/m)	MARGIN	Pass /Fail
4804	-68.49	-18.36	11.05	Н	31.20	<54.0	-22.80	Pass
7206	*	-15.45	11.44	*	*	<54.0	*	Pass
9608	*	-12.57	12.17	*	*	<54.0	*	Pass

Test mode : Ch39

FREQ. (MHz)	Reading	Cable loss (dB)	Ant. Fact. (dB)	POL. (H/V)	F/S (dBuV/m)	LIMIT (dBuV/m)	MARGIN	Pass /Fail
4882	-68.35	-17.97	11.05	Н	31.73	<54.0	-22.27	Pass
7323	*	-15.14	11.44	*	*	<54.0	*	Pass
9764	*	-11.41	12.17	*	*	<54.0	*	Pass

Test mode : Ch78

FREQ. (MHz)	Reading	Cable loss (dB)	Ant. Fact. (dB)	POL. (H/V)	F/S (dBuV/m)	LIMIT (dBuV/m)	MARGIN	Pass /Fail
4960	-67.93	-17.78	11.05	Н	32.34	<54.0	-21.66	Pass
7440	*	-15.49	11.44	*	*	<54.0	*	Pass
9920	*	-9.93	12.17	*	*	<54.0	*	Pass

NOTE :

1. "*" Measurement does not apply for this frequency.

2. The test data reported are the worst-case field strength value of harmonics.

3. All modes of operation were investigated, and the worst-case results are reported.



5. CONCLUSION

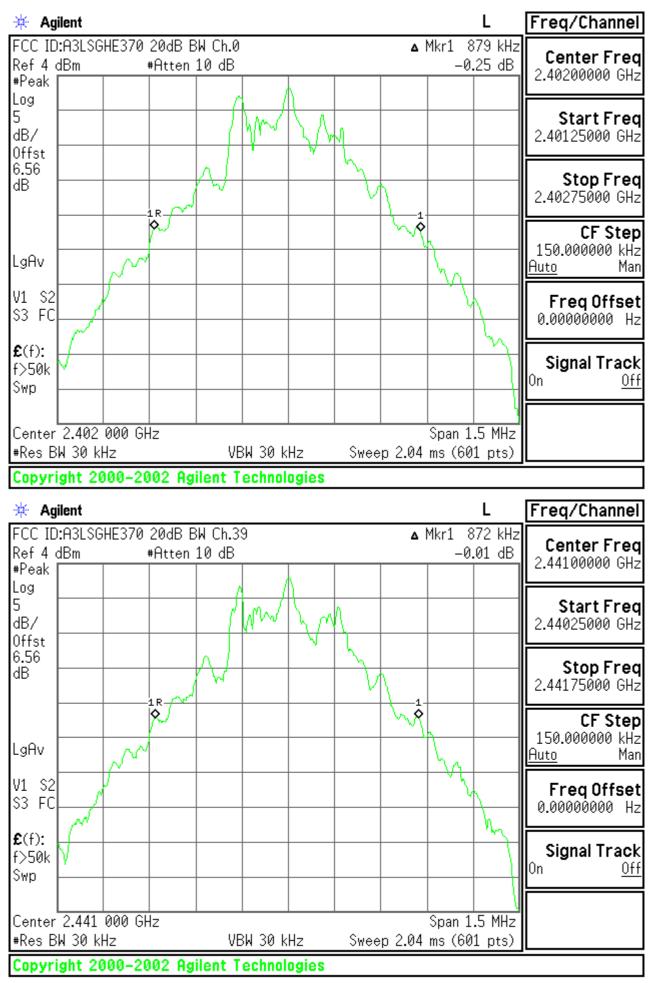
The data collected shows that the Single modulation Singlel-Band PCS GSM/EDGE Phone with Bluetooth. FCC ID : A3LSGHE370 complies with the requirements of Parts 15 of the FCC Rules.

- End of page -



6. TEST PLOTS

- End of page -



🔆 Agilent			L	Freq/Channel
FCC ID:A3LSGHE370 Ref 4 dBm #Peak) 20dB BW Ch.78 Atten 10 dB	۸ <u>م</u> 	1kr1 878 kHz -0.01 dB	Center Freq 2.48000000 GHz
Log 5 dB/ 0ffst				Start Freq 2.47925000 GHz
6.56 dB				Stop Freq 2.48075000 GHz
LgAv		- VĀ	χ	CF Step 150.000000 kHz <u>Auto</u> Man
V1 S2 S3 FC				FreqOffset 0.00000000 Hz
€(f): f>50k Swp				Signal Track ^{On <u>Off</u>}
Center 2.480 000 G #Res BW 30 kHz	Hz VBW 30 kH		Span 1.5 MHz ms (601 pts)	
Copyright 2000-2	002 Agilent Technolo	gies		

🔆 Ag	jilent								L	Freq/Channel
	A3LSGHE37			0						Center Freq
Ref 4	dBm	#Atten	10 dB							2.40200000 GHz
#Peak Log						<u> </u>				
10 dB/ Offst										Start Freq 2.39700000 GHz
6.56 dB									$\overline{\}$	Stop Freq 2.40700000 GHz
LgAv										CF Step 1.00000000 MHz <u>Auto</u> Man
V1 S2 S3 FC										FreqOffset 0.00000000 Hz
€(f): FTun Swp										Signal Track ^{On <u>Off</u>}
	2.402 00 G	iHz							l0 MHz	
	W 3 MHz			BW 3 M		S۲	veep 1	ms (60	1 pts)	
		0000 0	Stand T	المحاجم وا						
Copyr	ight 2000-	2002 Hg	lient i	ecnnoi	ogies					
	ilent	2002 Hg	lient i	ecnnoi	ogies				L	Freq/Channel
🔆 Ag	ilent):A3LSGHE37	'0 Power (Out Ch.		ogies				L	
<mark>₩ Ag</mark> FCC ID Ref 4	ilent):A3LSGHE37		Out Ch.		ogies				L	Center Freq
<mark>∦¥ Ag</mark> FCC ID Ref 4 #Peak	ilent):A3LSGHE37	'0 Power (Out Ch.		ogies				L	
★ Ag FCC ID Ref 4 #Peak Log 10 dB/	ilent):A3LSGHE37	'0 Power (Out Ch.						L	Center Freq
<mark>∦ Ag</mark> FCC ID Ref 4 #Peak Log 10	ilent):A3LSGHE37	'0 Power (Out Ch.						L	Center Freq 2.44100000 GHz Start Freq 2.43600000 GHz Stop Freq
★ Ag FCC ID Ref 4 #Peak Log 10 dB/ 0ffst 6.56	ilent):A3LSGHE37	'0 Power (Out Ch.						L	Center Freq 2.44100000 GHz Start Freq 2.43600000 GHz Stop Freq 2.44600000 GHz
★ Ag FCC ID Ref 4 #Peak Log 10 dB/ 0ffst 6.56	ilent):A3LSGHE37	'0 Power (Out Ch.						L	Center Freq 2.44100000 GHz Start Freq 2.43600000 GHz Stop Freq 2.44600000 GHz
<pre> ★ Ag FCC ID Ref 4 #Peak Log dB/ 0ffst 6.56 dB</pre>	ilent D:A3LSGHE37 dBm	'0 Power (Out Ch.							Center Freq 2.44100000 GHz Start Freq 2.43600000 GHz Stop Freq 2.44600000 GHz CF Step 1.00000000 MHz Auto Man
** Ag Ref 4 Ref 4 #Peak Log 10 dB/ Offst 6.56 dB LgAv V1 S2	ilent D:A3LSGHE37 dBm	'0 Power (Out Ch.							Center Freq 2.44100000 GHz Start Freq 2.43600000 GHz Stop Freq 2.44600000 GHz CF Step 1.00000000 MHz <u>Auto</u> Man
<pre> ★ Ag FCC ID Ref 4 #Peak Log 10 dB/ Offst 6.56 dB LgAv V1 S2 S3 FC £(f): FTun Swp </pre>	ilent D:A3LSGHE37 dBm	70 Power (#Atten	Out Ch.							Center Freq 2.44100000 GHz Start Freq 2.43600000 GHz Stop Freq 2.44600000 GHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.0000000 Hz Signal Track
<pre> Ag FCC ID Ref 4 Peak Log 10 dB/ Offst 6.56 dB LgAv V1 S2 S3 FC £(f): FTun Swp Center </pre>	ilent D:A3LSGHE37 dBm	70 Power (#Atten	Out Ch.	39						Center Freq 2.44100000 GHz Start Freq 2.43600000 GHz Stop Freq 2.44600000 GHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.0000000 Hz Signal Track
<pre> ★ Ag FCC ID Ref 4 #Peak Log 10 dB/ 0ffst 6.56 dB LgAv V1 S2 S3 FC £(f): FTun Swp Center #Res B</pre>	ilent D:A3LSGHE37 dBm	70 Power (#Atten	Out Ch. 10 dB	39	Hz	St		Span 1 ms (60		Center Freq 2.44100000 GHz Start Freq 2.43600000 GHz Stop Freq 2.44600000 GHz CF Step 1.00000000 MHz Auto Man Freq Offset 0.0000000 Hz Signal Track

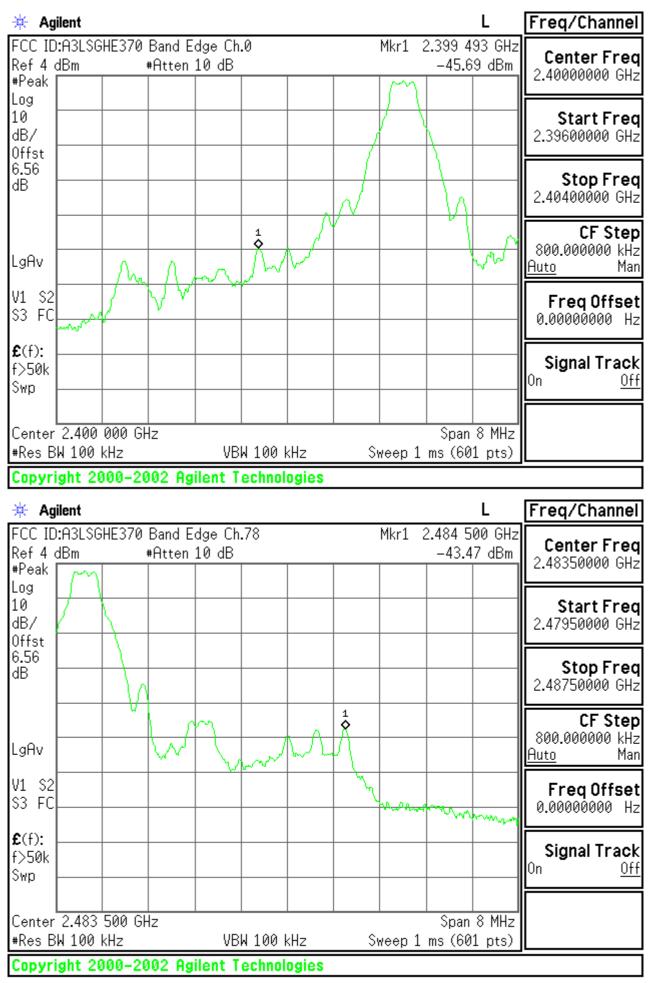
🔆 Ag	ilent									L	Freq/Channel
	:A3LSGF				78						Center Freq
Ref 4	dBm		#Atten	10 dB							2.48000000 GHz
#Peak											2.1000000 0112
Log 10											Start Freq
dB/		/	ſ								2.47500000 GHz
Offst		/							\vdash		
6.56											Stop Freq
dB											2.48500000 GHz
										<u> </u>	
											CF Step
LgAv											1.00000000 MHz Auto Man
											<u>Auto</u> Man
V1 S2											Freq Offset
S3 FC											0.00000000 Hz
£ (f):											
FTun											Signal Track
Swp											On <u>Off</u>
Center	2.480	20 GH-	7						Snan 1	LO MHz	
	W 3 MHz		_	V	ви з м	Hz	S	ween 1	ms (60		
	ight 20		02 0 4							2 0.07	
COPYI	ight 20	00-20	JOE Ng	nene i	Connor	ugica -					
	ilent									L	Freq/Channel
FCC ID	:A3LSGF				.0			Mk		2.8 MHz	
FCC ID Ref 4 (:A3LSGF		Cond S #Atten		.0			Mk			Center Freq
FCC ID Ref 4 d #Peak	:A3LSGF				.0			Mk		2.8 MHz	
FCC ID Ref 4 d #Peak Log	:A3LSGF				.0			Mk		2.8 MHz	Center Freq 515.000000 MHz
FCC ID Ref 4 d #Peak	:A3LSGF				.0			Mk		2.8 MHz	Center Freq
FCC ID Ref 4 d #Peak Log 10 dB/ Offst	:A3LSGF				.0			Mk		2.8 MHz	Center Freq 515.000000 MHz Start Freq
FCC ID Ref 4 d #Peak Log 10 dB/ 0ffst 6.56	:A3LSGF				.0			Mk		2.8 MHz	Center Freq 515.000000 MHz Start Freq 30.0000000 MHz
FCC ID Ref 4 d #Peak Log 10 dB/ Offst	:A3LSGF				.0			Mk		2.8 MHz	Center Freq 515.000000 MHz Start Freq
FCC ID Ref 4 d #Peak Log 10 dB/ 0ffst 6.56	:A3LSGF				.0			Mk		2.8 MHz	Center Freq 515.000000 MHz Start Freq 30.0000000 MHz Stop Freq 1.00000000 GHz
FCC ID Ref 4 d #Peak Log 10 dB/ 0ffst 6.56	:A3LSGF				.0			Mk		2.8 MHz	Center Freq 515.000000 MHz Start Freq 30.0000000 MHz Stop Freq 1.00000000 GHz CF Step
FCC ID Ref 4 d #Peak Log 10 dB/ 0ffst 6.56	:A3LSGF				.0			Mk		2.8 MHz	Center Freq 515.000000 MHz Start Freq 30.0000000 MHz Stop Freq 1.00000000 GHz CF Step 97.0000000 MHz
FCC ID Ref 4 d #Peak Log 10 dB/ 0ffst 6.56 dB	:A3LSGH				.0			Mk		2.8 MHz	Center Freq 515.000000 MHz Start Freq 30.0000000 MHz Stop Freq 1.00000000 GHz CF Step
FCC ID Ref 4 d #Peak Log 10 dB/ Offst 6.56 dB LgAv V1 S2	:A3LSGH				.0			Mk		2.8 MHz	Center Freq 515.000000 MHz Start Freq 30.0000000 MHz Stop Freq 1.0000000 GHz 07.000000 MHz Man Freq Offset
FCC ID Ref 4 d #Peak Log 10 dB/ 0ffst 6.56 dB	:A3LSGH				.0			Mk		2.8 MHz	Center Freq 515.000000 MHz Start Freq 30.0000000 MHz Stop Freq 1.00000000 GHz CF Step 97.0000000 MHz
FCC ID Ref 4 Log 10 dB/ 0ffst 6.56 dB LgAv V1 S2 S3 FC	:A3LSGH		#Atten	10 dB					-47.6	2.8 MHz 8 dBm	Center Freq 515.000000 MHz Start Freq 30.0000000 MHz Stop Freq 1.0000000 GHz 07.000000 MHz Man Freq Offset
FCC ID Ref 4 d #Peak Log 10 dB/ Offst 6.56 dB LgAv V1 S2	:A3LSGH		#Atten	10 dB					-47.6	2.8 MHz 8 dBm	Center Freq 515.000000 MHz Start Freq 30.0000000 MHz Stop Freq 1.0000000 GHz 97.0000000 MHz Auto Freq Offset 0.000000 Hz Signal Track
FCC ID Ref 4 d #Peak 10 dB/ Offst 6.56 dB LgAv V1 S2 S3 FC £(f):	:A3LSGH		#Atten	10 dB					-47.6	2.8 MHz 8 dBm	Center Freq 515.000000 MHz Start Freq 30.0000000 MHz Stop Freq 1.00000000 GHz 97.0000000 MHz Man Freq Offset 0.000000 Hz
FCC ID Ref 4 d #Peak 10 dB/ Offst 6.56 dB LgAv V1 S2 S3 FC £(f): FTun	:A3LSGH		#Atten	10 dB					-47.6	2.8 MHz 8 dBm	Center Freq 515.000000 MHz Start Freq 30.0000000 MHz Stop Freq 1.0000000 GHz 97.0000000 MHz Auto Freq Offset 0.000000 Hz Signal Track
FCC ID Ref 4 (#Peak 10 dB/ Offst 6.56 dB LgAv V1 S2 S3 FC £(f): FTun Swp	:A3LSGH		#Atten	10 dB					-47.6	2.8 MHz 8 dBm	Center Freq 515.000000 MHz Start Freq 30.0000000 MHz Stop Freq 1.0000000 GHz 97.0000000 MHz Auto Freq Offset 0.000000 Hz Signal Track
FCC ID Ref 4 d #Peak 10 dB/ Offst 6.56 dB LgAv V1 S2 S3 FC £(f): FTun Swp Start 3	:A3LSG		#Atten					Stop	-47.6	2.8 MHz 8 dBm	Center Freq 515.000000 MHz Start Freq 30.0000000 MHz Stop Freq 1.0000000 GHz 97.0000000 MHz Auto Freq Offset 0.000000 Hz Signal Track

🔆 Ag	jilent									L	Freq/Channel
			Cond S	•	.0			Mk		25 GHz	Contor From
Ref 4	dBm		#Atten	10 dB						0 dBm	Center Freq 5.50000000 GHz
#Peak											3.30000000 0112
Log	<u> </u>										
10 dB/											Start Freq
ab/ Offst											1.00000000 GHz
6.56											
dB	<u> </u>										Stop Freq
											10.0000000 GHz
											CF Step 900.000000 MHz
LgAv											Auto Man
	L										
V1 S2		l (il									Freq Offset
S3 FC		141									0.00000000 Hz
A/0.	I AA						L. a. Mar	markeyory			
£ (f):	10 th	tra¶∥ IN	AND THE REAL	MUT WAR			and the second sec		0.01.0000	A SUMPORT	Signal Track
FTun											On Off
Swp											
	L.000 G									00 GHz^	
#Res B	W 100	kHz		VB	W 100	kHz	Swee	p 1.08	5 s (60	1 pts)	
Copyri	ight 20	000-20	002 Ag	ilent T	echnol	ogies					
	-										
										L	Freg/Channel
🔆 Ag	jilent							Mk	r1 25	L 00 GHz	Freq/Channel
🔆 Ag	jilent):A3LSG	HE370	Cond S	pur Ch.				Mk		L 00 GHz 39 dBm	Center Freq
🔆 Ag	jilent):A3LSG	HE370		pur Ch.				Mk		L 00 GHz 9 dBm	
<mark>∦ Ag</mark> FCC ID Ref 4 #Peak Log	jilent):A3LSG	HE370	Cond S	pur Ch.				Mk			Center Freq
<mark>₩ Ag</mark> FCC ID Ref 4 #Peak Log 10	jilent):A3LSG	HE370	Cond S	pur Ch.				Mk			Center Freq 17.5000000 GHz Start Freq
★ Ag FCC ID Ref 4 #Peak Log 10 dB/	jilent):A3LSG	HE370	Cond S	pur Ch.				Mk			Center Freq 17.5000000 GHz
★ Ag FCC ID Ref 4 #Peak Log 10 dB/ 0ffst	jilent):A3LSG	HE370	Cond S	pur Ch.				Mk			Center Freq 17.5000000 GHz Start Freq
★ Ag FCC ID Ref 4 #Peak Log 10 dB/ 0ffst 6.56	jilent):A3LSG	HE370	Cond S	pur Ch.				Mk			Center Freq 17.5000000 GHz Start Freq 10.0000000 GHz
★ Ag FCC ID Ref 4 #Peak Log 10 dB/ 0ffst	jilent):A3LSG	HE370	Cond S	pur Ch.				Mk			Center Freq 17.5000000 GHz Start Freq
★ Ag FCC ID Ref 4 #Peak Log 10 dB/ 0ffst 6.56	jilent):A3LSG	HE370	Cond S	pur Ch.				Mk			Center Freq 17.5000000 GHz Start Freq 10.0000000 GHz Stop Freq 25.0000000 GHz
★ Ag FCC ID Ref 4 #Peak Log 10 dB/ 0ffst 6.56	jilent):A3LSG	HE370	Cond S	pur Ch.				Mk			Center Freq 17.5000000 GHz Start Freq 10.0000000 GHz Stop Freq 25.0000000 GHz
★ Ag FCC ID Ref 4 #Peak Log 10 dB/ 0ffst 6.56 dB	jilent):A3LSG	HE370	Cond S	pur Ch.				Mk			Center Freq 17.5000000 GHz Start Freq 10.0000000 GHz Stop Freq 25.0000000 GHz CF Step 1.50000000 GHz
★ Ag FCC ID Ref 4 #Peak Log 10 dB/ 0ffst 6.56	jilent):A3LSG	HE370	Cond S	pur Ch.				Mk			Center Freq 17.5000000 GHz Start Freq 10.0000000 GHz Stop Freq 25.0000000 GHz
<pre> ★ Ag FCC ID Ref 4 #Peak Log 10 dB/ 0ffst 6.56 dB LgAv </pre>	jilent D:A3LSG dBm	HE370	Cond S	pur Ch.				Mk			Center Freq 17.5000000 GHz Start Freq 10.0000000 GHz Stop Freq 25.0000000 GHz CF Step 1.50000000 GHz Auto Man
** Ag FCC ID Ref 4 #Peak Log 10 dB/ 0ffst 6.56 dB LgAv V1 S2	jilent D:A3LSG dBm	HE370	Cond S	pur Ch.				Mk			Center Freq 17.5000000 GHz Start Freq 10.0000000 GHz Stop Freq 25.0000000 GHz CF Step 1.50000000 GHz Auto Freq Offset
<pre> ★ Ag FCC ID Ref 4 #Peak Log 10 dB/ 0ffst 6.56 dB LgAv </pre>	jilent D:A3LSG dBm	HE370	Cond S #Atten	pur Ch.					-67.3	:9 dBm	Center Freq 17.5000000 GHz Start Freq 10.0000000 GHz Stop Freq 25.0000000 GHz CF Step 1.50000000 GHz <u>Auto</u> Man
<pre> Ag FCC IE Ref 4 #Peak Log 10 dB/ 0ffst 6.56 dB LgAv V1 S2 S3 FC £(f):</pre>	jilent D:A3LSG dBm	HE370	Cond S	pur Ch.				Mk	-67.3	:9 dBm	Center Freq 17.5000000 GHz Start Freq 10.0000000 GHz Stop Freq 25.0000000 GHz CF Step 1.50000000 GHz Man Freq Offset 0.000000 Hz
<pre> ★ Ag FCC IE Ref 4 #Peak Log 10 dB/ 0ffst 6.56 dB LgAv V1 S2 S3 FC £(f): FTun</pre>	jilent D:A3LSG dBm	HE370	Cond S #Atten	pur Ch.					-67.3	:9 dBm	Center Freq 17.5000000 GHz Start Freq 10.000000 GHz Stop Freq 25.0000000 GHz CF Step 1.50000000 GHz Auto Freq Offset 0.0000000 Hz Signal Track
<pre> Ag FCC IE Ref 4 #Peak Log 10 dB/ 0ffst 6.56 dB LgAv V1 S2 S3 FC £(f):</pre>	jilent D:A3LSG dBm	HE370	Cond S #Atten	pur Ch.					-67.3	:9 dBm	Center Freq 17.5000000 GHz Start Freq 10.0000000 GHz Stop Freq 25.0000000 GHz CF Step 1.50000000 GHz Man Freq Offset 0.000000 Hz
<pre> ★ Ag FCC IE Ref 4 #Peak Log 10 dB/ 0ffst 6.56 dB LgAv V1 S2 S3 FC £(f): FTun</pre>	jilent D:A3LSG dBm	HE370	Cond S #Atten	pur Ch.					-67.3	:9 dBm	Center Freq 17.5000000 GHz Start Freq 10.000000 GHz Stop Freq 25.0000000 GHz CF Step 1.50000000 GHz Auto Freq Offset 0.0000000 Hz Signal Track
<pre> ★ Ag FCC IE Ref 4 #Peak Log 10 dB/ Offst 6.56 dB LgAv V1 S2 S3 FC £(f): FTun Swp </pre>	jilent D:A3LSG dBm	HE370	Cond S #Atten	pur Ch.					-67.3	:9 dBm	Center Freq 17.5000000 GHz Start Freq 10.000000 GHz Stop Freq 25.0000000 GHz CF Step 1.50000000 GHz Auto Freq Offset 0.0000000 Hz Signal Track
<pre> Ag FCC IE Ref 4 Peak Log 10 dB/ Offst 6.56 dB LgAv V1 S2 S3 FC £(f): FTun Swp Start 1</pre>	jilent D:A3LSG dBm	HE370	Cond S #Atten	pur Ch.					-67.3	29 dBm	Center Freq 17.5000000 GHz Start Freq 10.000000 GHz Stop Freq 25.0000000 GHz CF Step 1.50000000 GHz Auto Freq Offset 0.0000000 Hz Signal Track

💥 Ag	jilent									L	Freq/Channel
FCC ID):A3LSGF	IE370	Cond S	pur Ch.	39			Mk	r1 815	5.7 MHz	
Ref 4			#Atten							18 dBm	CenterFreq
#Peak									00.0		515.000000 MHz
Log											
10											Stort From
											Start Freq
dB/											30.0000000 MHz
Offst											
6.56											Stop Freq
dB											1.00000000 GHz
											1.00000000000000
											CF Step
LgAv											97.0000000 MHz
LYHV									1		<u>Auto</u> Man
									Ŷ		
V1 S2											Freq Offset
S3 FC	\vdash										0.00000000 Hz
£ (f):	Without ask	-	the second second	all and the second second			hadha an a' l	and shake show	-		
FTun				L		a hard the second second	11-111-11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-				Signal Track
Swp											0n <u>Off</u>
0 II D											
Start 3	30.0 MHz							Stor	5 1.000	0 GHz	
	3W 100 k			VB	W 100 I	/Hz	Swar	ep 117			
							01100	ob II)	1113 (00	1 p(3)	
Copyr	ight 20	00-20)02 Ag	ilent T	echnol	ogies					
🔆 Aa	ilent									L	Freg/Channel
🔆 Ag	·	15270	Cand S	Ch	20			мь	1 2.2		Freq/Channel
FCC ID):A3LSGH				39			Mk		25 GHz	
FCC ID Ref 4):A3LSGH		Cond S #Atten		39			Mk			Center Freq
FCC ID):A3LSGH				39			Mk		25 GHz	
FCC IE Ref 4 #Peak Log):A3LSGF				39			Mk		25 GHz	Center Freq
FCC ID Ref 4 #Peak):A3LSGF				39			Mk		25 GHz	Center Freq 5.50000000 GHz
FCC IE Ref 4 #Peak Log 10):A3LSGF				39			Mk		25 GHz	Center Freq 5.50000000 GHz Start Freq
FCC IE Ref 4 #Peak Log 10 dB/):A3LSGF				39			Mk		25 GHz	Center Freq 5.50000000 GHz
FCC IE Ref 4 #Peak Log 10 dB/ Offst):A3LSGF				39			Mk		25 GHz	Center Freq 5.50000000 GHz Start Freq 1.00000000 GHz
FCC IE Ref 4 #Peak Log 10 dB/ 0ffst 6.56):A3LSGF				39			Mk		25 GHz	Center Freq 5.50000000 GHz Start Freq
FCC IE Ref 4 #Peak Log 10 dB/ Offst):A3LSGF				39			Mk		25 GHz	Center Freq 5.50000000 GHz Start Freq 1.00000000 GHz
FCC IE Ref 4 #Peak Log 10 dB/ 0ffst 6.56):A3LSGF				39			Mk		25 GHz	Center Freq 5.50000000 GHz Start Freq 1.00000000 GHz Stop Freq
FCC IE Ref 4 #Peak Log 10 dB/ 0ffst 6.56):A3LSGF				39			Mk		25 GHz	Center Freq 5.50000000 GHz Start Freq 1.00000000 GHz Stop Freq 10.0000000 GHz
FCC IE Ref 4 #Peak Log 10 dB/ 0ffst 6.56):A3LSGF				39			Mk		25 GHz	Center Freq 5.50000000 GHz Start Freq 1.00000000 GHz Stop Freq 10.0000000 GHz CF Step
FCC IE Ref 4 #Peak Log 10 dB/ 0ffst 6.56):A3LSGF				39			Mk		25 GHz	Center Freq 5.50000000 GHz Start Freq 1.00000000 GHz Stop Freq 10.0000000 GHz CF Step 900.000000 MHz
FCC IE Ref 4 #Peak Log 10 dB/ 0ffst 6.56 dB):A3LSGF		#Atten		39			Mk		25 GHz	Center Freq 5.50000000 GHz Start Freq 1.00000000 GHz Stop Freq 10.0000000 GHz CF Step
FCC IE Ref 4 #Peak Log 10 dB/ 0ffst 6.56 dB	D:A3LSGH dBm		#Atten		39			Mk		25 GHz	Center Freq 5.50000000 GHz Start Freq 1.0000000 GHz Stop Freq 10.0000000 GHz CF Step 900.000000 MHz Auto
FCC IE Ref 4 #Peak Log 10 dB/ 0ffst 6.56 dB LgAv V1 S2	D:A3LSGH dBm		#Atten		39			Mk		25 GHz	Center Freq 5.50000000 GHz Start Freq 1.00000000 GHz Stop Freq 10.0000000 GHz CF Step 900.000000 MHz Auto Freq Offset
FCC IE Ref 4 #Peak Log 10 dB/ 0ffst 6.56 dB	D:A3LSGH dBm		#Atten						-57.8	25 GHz :6 dBm	Center Freq 5.50000000 GHz Start Freq 1.0000000 GHz Stop Freq 10.0000000 GHz CF Step 900.000000 MHz Auto
FCC IE Ref 4 #Peak Log 10 dB/ 0ffst 6.56 dB LgAv V1 S2 S3 FC	D:A3LSGH		*Atten	10 dB					-57.8	25 GHz :6 dBm	Center Freq 5.50000000 GHz Start Freq 1.00000000 GHz Stop Freq 10.0000000 GHz CF Step 900.000000 MHz Auto Freq Offset
FCC IE Ref 4 HPeak Log 10 dB/ Offst 6.56 dB LgAv V1 S2 S3 FC £(f):	D:A3LSGH dBm		#Atten	10 dB				Mk	-57.8	25 GHz :6 dBm	Center Freq 5.50000000 GHz Start Freq 1.00000000 GHz Stop Freq 10.0000000 GHz CF Step 900.000000 MHz Auto Man Freq Offset 0.000000 Hz
FCC IE Ref 4 Log 10 dB/ Offst 6.56 dB LgAv V1 S2 S3 FC £(f): FTun	D:A3LSGH		*Atten	10 dB					-57.8	25 GHz :6 dBm	Center Freq 5.50000000 GHz Start Freq 1.0000000 GHz Stop Freq 10.0000000 GHz CF Step 900.000000 MHz Auto Freq Offset 0.0000000 Hz Signal Track
FCC IE Ref 4 HPeak Log 10 dB/ Offst 6.56 dB LgAv V1 S2 S3 FC £(f):	D:A3LSGH		*Atten	10 dB					-57.8	25 GHz :6 dBm	Center Freq 5.50000000 GHz Start Freq 1.00000000 GHz Stop Freq 10.0000000 GHz CF Step 900.000000 MHz Auto Man Freq Offset 0.000000 Hz
FCC IE Ref 4 Log 10 dB/ Offst 6.56 dB LgAv V1 S2 S3 FC £(f): FTun	D:A3LSGH		*Atten	10 dB					-57.8	25 GHz :6 dBm	Center Freq 5.50000000 GHz Start Freq 1.0000000 GHz Stop Freq 10.0000000 GHz CF Step 900.000000 MHz Auto Freq Offset 0.0000000 Hz Signal Track
FCC IE Ref 4 #Peak Log 10 dB/ Offst 6.56 dB LgAv V1 S2 S3 FC \$3 FC \$(f): FTun Swp	D:A3LSGH		*Atten	10 dB					-57.8	25 GHz	Center Freq 5.50000000 GHz Start Freq 1.0000000 GHz Stop Freq 10.0000000 GHz CF Step 900.000000 MHz Auto Freq Offset 0.0000000 Hz Signal Track
FCC IE Ref 4 HPeak Log 10 dB/ Offst 6.56 dB LgAv V1 S2 S3 FC £(f): FTun Swp Start 1	D:A3LSGH dBm		*Atten					Sto	-57.8	25 GHz 6 dBm	Center Freq 5.50000000 GHz Start Freq 1.0000000 GHz Stop Freq 10.0000000 GHz CF Step 900.000000 MHz Auto Freq Offset 0.0000000 Hz Signal Track
FCC IE Ref 4 HPeak Log 10 dB/ Offst 6.56 dB LgAv V1 S2 S3 FC £(f): FTun Swp Start 1	D:A3LSGH		*Atten						-57.8	25 GHz 6 dBm	Center Freq 5.50000000 GHz Start Freq 1.0000000 GHz Stop Freq 10.000000 GHz CF Step 900.000000 MHz Auto Freq Offset 0.000000 Hz Signal Track

🔆 👫 Ag	ilent									L	Freq/Channel
FCC ID):A3LSG	HE370	Cond S	pur Ch.	39			Mk	r1 24.	.85 GHz	
Ref 4			#Atten							8 dBm	Center Freq
#Peak											17.5000000 GHz
Log											
10											Start Freq
dB/											10.0000000 GHz
Offst											
6.56											Cton From
dB											Stop Freq
											25.0000000 GHz
											CE Stop
											CF Step 1.50000000 GHz
LgAv											Auto Man
											<u>11000</u> 11011
V1 S2											Freq Offset
S3 FC										Å	0.00000000 Hz
			maham	Section and	man		And the second second	AL. MAR	and a second second	Veryme Prombe	0.00000000 112
£ (f):	mantering	the second states	di se cir in i			and the second second					Circuit Transla
FTun											Signal Track
Swp											On <u>Off</u>
Stort 1	L.0.00 G	 ∐⇒						<u> </u>	 top 25	00 GHz	
	W 100			ПD	W 100 K	415	S				
							Swee	p 1.80	9 S (60	i pts)	
Copyr	ight 20	000-20	002 Ag	<u>ilent T</u>	echnol	ogies					
🔆 Aa	ilent									L	Freg/Channel
	ilent	:UE370	Cond S	nur Ch	78			мі	r1 829	L R G MU-	Freq/Channel
FCC ID):A3LSG		Cond S		.78			Mk		L 8.6 MHz	
FCC ID Ref 4):A3LSG		Cond S #Atten		78		1	Mk		L 8.6 MHz .3 dBm	
FCC ID Ref 4 #Peak):A3LSG				78			Mk			Center Freq
FCC ID Ref 4 #Peak Log):A3LSG				78			Mk			Center Freq 515.000000 MHz
FCC ID Ref 4 #Peak Log 10):A3LSG				78			Mk			Center Freq 515.000000 MHz Start Freq
FCC ID Ref 4 #Peak Log 10 dB/):A3LSG				78			Mk			Center Freq 515.000000 MHz
FCC ID Ref 4 #Peak Log 10 dB/ Offst):A3LSG				78			Mk			Center Freq 515.000000 MHz Start Freq 30.0000000 MHz
FCC ID Ref 4 #Peak Log 10 dB/ 0ffst 6.56):A3LSG				78			Mk			Center Freq 515.000000 MHz Start Freq 30.0000000 MHz Stop Freq
FCC ID Ref 4 #Peak Log 10 dB/ Offst):A3LSG				78			Mk			Center Freq 515.000000 MHz Start Freq 30.0000000 MHz
FCC ID Ref 4 #Peak Log 10 dB/ 0ffst 6.56):A3LSG				78			Mk			Center Freq 515.000000 MHz Start Freq 30.0000000 MHz Stop Freq 1.0000000 GHz
FCC ID Ref 4 #Peak Log 10 dB/ 0ffst 6.56):A3LSG				78			Mk			Center Freq 515.000000 MHz Start Freq 30.0000000 MHz Stop Freq 1.0000000 GHz CF Step
FCC ID Ref 4 #Peak Log 10 dB/ 0ffst 6.56 dB):A3LSG				78			Mk			Center Freq 515.000000 MHz Start Freq 30.0000000 MHz Stop Freq 1.00000000 GHz CF Step 97.0000000 MHz
FCC ID Ref 4 #Peak Log 10 dB/ 0ffst 6.56):A3LSG				78			Mk	-56.1		Center Freq 515.000000 MHz Start Freq 30.0000000 MHz Stop Freq 1.0000000 GHz CF Step
FCC ID Ref 4 HPeak Log 10 dB/ 0ffst 6.56 dB	D:A3LSG				78			Mk	-56.1		Center Freq 515.000000 MHz Start Freq 30.0000000 MHz Stop Freq 1.00000000 GHz CF Step 97.0000000 MHz
FCC ID Ref 4 HPeak Log 10 dB/ Offst 6.56 dB LgAv V1 S2	D:A3LSG				78			Mk	-56.1		Center Freq 515.000000 MHz Start Freq 30.0000000 MHz Stop Freq 1.0000000 GHz 07.000000 MHz Man Freq Offset
FCC ID Ref 4 HPeak Log 10 dB/ 0ffst 6.56 dB	D:A3LSG				78			Mk	-56.1		Center Freq 515.000000 MHz Start Freq 30.0000000 MHz Stop Freq 1.00000000 GHz CF Step 97.0000000 MHz
FCC ID Ref 4 HPeak Log 10 dB/ 0ffst 6.56 dB LgAv V1 S2 S3 FC	D:A3LSG		#Atten	10 dB					-56.1	3 dBm	Center Freq 515.000000 MHz Start Freq 30.0000000 MHz Stop Freq 1.0000000 GHz 07.0000000 MHz Man Freq Offset 0.000000 Hz
FCC ID Ref 4 Log 10 dB/ Offst 6.56 dB LgAv V1 S2 S3 FC £(f):	D:A3LSG			10 dB					-56.1	3 dBm	Center Freq 515.000000 MHz Start Freq 30.0000000 MHz Stop Freq 1.0000000 GHz 07.0000000 MHz Man Freq Offset 0.000000 Hz
FCC ID Ref 4 HPeak Log 10 dB/ Offst 6.56 dB LgAv V1 S2 S3 FC £(f): FTun	D:A3LSG		#Atten	10 dB					-56.1	3 dBm	Center Freq 515.000000 MHz Start Freq 30.0000000 MHz Stop Freq 1.0000000 GHz 07.000000 MHz Man Freq Offset
FCC ID Ref 4 Log 10 dB/ Offst 6.56 dB LgAv V1 S2 S3 FC £(f):	D:A3LSG		#Atten	10 dB					-56.1	3 dBm	Center Freq 515.000000 MHz Start Freq 30.0000000 MHz Stop Freq 1.0000000 GHz 97.0000000 MHz Auto Freq Offset 0.000000 Hz Signal Track
FCC ID Ref 4 HPeak Log 10 dB/ Offst 6.56 dB LgAv V1 S2 S3 FC £(f): FTun Swp	D:A3LSG		#Atten	10 dB					-56.1	3 dBm	Center Freq 515.000000 MHz Start Freq 30.0000000 MHz Stop Freq 1.0000000 GHz 97.0000000 MHz Auto Freq Offset 0.000000 Hz Signal Track
FCC ID Ref 4 HPeak Log 10 dB/ Offst 6.56 dB LgAv V1 S2 S3 FC £(f): FTun Swp Start 3	D:A3LSG		#Atten	10 dB				Stop	-56.1	3 dBm	Center Freq 515.000000 MHz Start Freq 30.0000000 MHz Stop Freq 1.0000000 GHz 97.0000000 MHz Auto Freq Offset 0.000000 Hz Signal Track
FCC ID Ref 4 HPeak Log 10 dB/ Offst 6.56 dB LgAv V1 S2 S3 FC £(f): FTun Swp Start 3	D:A3LSG		#Atten	10 dB					-56.1	3 dBm	Center Freq 515.000000 MHz Start Freq 30.0000000 MHz Stop Freq 1.0000000 GHz 97.0000000 MHz Auto Freq Offset 0.000000 Hz Signal Track

₩ A	gilent									L	Freq/Channel
FCC I	D:A3LSG	HE370	Cond S	pur Ch.	78			Mk	r1 3.3	25 GHz	
Ref 4			#Atten	•						0 dBm	Center Freq
#Peak											5.50000000 GHz
Log											
10											Start Freq
dB/											1.00000000 GHz
Offst											1.00000000000000
6.56											
dB											Stop Freq
<u> </u>											10.0000000 GHz
											CF Step
											900.000000 MHz
LgAv											Auto Man
V1 S2		L J									Freq Offset
S3 F0											0.00000000 Hz
		I ML	1 1							- I	
£ (f):	Waynes late		1 Andrew 1	y margan	mar and a start of the		and with	M. S. Margar	history beyon	Alphanderste	
FTun			1.								Signal Track
Swp											On <u>Off</u>
с.,р											
Start	1.000 G	Hz						Sto	ip 10.00	00 GHzî	
#Res [BW 100	kHz		VBI	W 100	кНz	Swee	p 1.08	5 s (60	1 pts)	
Conv	right 20	100-2	002 04	ilont T	ochnol	naine					
00071	ingine ac		oor ng			09.00					
∦ A	_									L	Freq/Channel
FCC I	D:A3LSG	HE370		pur Ch.	78			Mk		68 GHz	i
FCC I Ref 4	D:A3LSG dBm	HE370	Cond S #Atten	pur Ch.	78			Mk			Center Freq
FCC I	D:A3LSG dBm	HE370		pur Ch.	78			Mk		68 GHz	i
FCC I Ref 4 #Peak Log	D:A3LSG dBm	HE370		pur Ch.	78			Mk		68 GHz	Center Freq
FCC I Ref 4 #Peak	D:A3LSG dBm	HE370		pur Ch.	78			Mk		68 GHz	Center Freq 17.5000000 GHz
FCC I Ref 4 #Peak Log	D:A3LSG dBm	HE370		pur Ch.	78			Mk		68 GHz	Center Freq
FCC I Ref 4 #Peak Log 10 dB/	D:A3LSG dBm	HE370		pur Ch.	78			Mk		68 GHz	Center Freq 17.5000000 GHz Start Freq
FCC I Ref 4 #Peak Log 10	D:A3LSG dBm	HE370		pur Ch.	78			Mk		68 GHz	Center Freq 17.5000000 GHz Start Freq 10.0000000 GHz
FCC I Ref 4 #Peak Log 10 dB/ Offst	D:A3LSG dBm	HE370		pur Ch.	78			Mk		68 GHz	Center Freq 17.5000000 GHz Start Freq 10.0000000 GHz Stop Freq
FCC I Ref 4 #Peak Log 10 dB/ Offst 6.56	D:A3LSG dBm	HE370		pur Ch.	78			Mk		68 GHz	Center Freq 17.5000000 GHz Start Freq 10.0000000 GHz
FCC I Ref 4 #Peak Log 10 dB/ Offst 6.56	D:A3LSG dBm	HE370		pur Ch.	78			Mk		68 GHz	Center Freq 17.5000000 GHz Start Freq 10.0000000 GHz Stop Freq 25.0000000 GHz
FCC I Ref 4 #Peak Log 10 dB/ Offst 6.56	D:A3LSG dBm	HE370		pur Ch.	78			Mk		68 GHz	Center Freq 17.5000000 GHz Start Freq 10.0000000 GHz Stop Freq 25.0000000 GHz
FCC I Ref 4 HPeak Log 10 dB/ Offst 6.56 dB	D:A3LSG dBm	HE370		pur Ch.	78			Mk		68 GHz	Center Freq 17.5000000 GHz Start Freq 10.0000000 GHz Stop Freq 25.0000000 GHz CF Step 1.50000000 GHz
FCC I Ref 4 #Peak Log 10 dB/ Offst 6.56	D:A3LSG dBm	HE370		pur Ch.	78			Mk		68 GHz	Center Freq 17.5000000 GHz Start Freq 10.0000000 GHz Stop Freq 25.0000000 GHz
FCC I Ref 4 HPeak Log 10 dB/ 0ffst 6.56 dB	D:A3LSG	HE370		pur Ch.	78			Mk		68 GHz	Center Freq 17.5000000 GHz Start Freq 10.0000000 GHz Stop Freq 25.0000000 GHz CF Step 1.50000000 GHz Auto Man
FCC I Ref 4 HPeak Log dB/ Offst 6.56 dB LgAv V1 S2	D:A3LSG		#Atten	pur Ch.					-67.9	68 GHz 9 dBm	Center Freq 17.5000000 GHz Start Freq 10.0000000 GHz Stop Freq 25.0000000 GHz CF Step 1.50000000 GHz Auto Freq Offset
FCC I Ref 4 HPeak Log 10 dB/ 0ffst 6.56 dB	D:A3LSG		#Atten	pur Ch.					-67.9	68 GHz 9 dBm	Center Freq 17.5000000 GHz Start Freq 10.0000000 GHz Stop Freq 25.0000000 GHz CF Step 1.50000000 GHz Auto Man
FCC I Ref 4 HPeak Log 10 dB/ Offst 6.56 dB LgAv V1 S2 S3 FC	D:A3LSG		#Atten	pur Ch.					-67.9	68 GHz 9 dBm	Center Freq 17.5000000 GHz Start Freq 10.0000000 GHz Stop Freq 25.0000000 GHz CF Step 1.50000000 GHz Auto Freq Offset
FCC I Ref 4 HPeak Log 10 dB/ Offst 6.56 dB LgAv V1 S2 S3 FC £(f):	D:A3LSG		#Atten	pur Ch.					-67.9	68 GHz 9 dBm	Center Freq 17.5000000 GHz Start Freq 10.0000000 GHz Stop Freq 25.0000000 GHz CF Step 1.50000000 GHz Man Freq Offset 0.000000 Hz
FCC I Ref 4 HPeak Log 10 dB/ Offst 6.56 dB LgAv V1 S2 S3 FC £(f): FTun	D:A3LSG			pur Ch.					-67.9	68 GHz 9 dBm	Center Freq 17.5000000 GHz Start Freq 10.0000000 GHz Stop Freq 25.0000000 GHz CF Step 1.50000000 GHz Auto Freq Offset 0.0000000 Hz Signal Track
FCC I Ref 4 HPeak Log 10 dB/ Offst 6.56 dB LgAv V1 S2 S3 FC £(f):	D:A3LSG		#Atten	pur Ch.					-67.9	68 GHz 9 dBm	Center Freq 17.5000000 GHz Start Freq 10.0000000 GHz Stop Freq 25.0000000 GHz CF Step 1.50000000 GHz Man Freq Offset 0.000000 Hz
FCC I Ref 4 HPeak Log 10 dB/ Offst 6.56 dB LgAv V1 S2 S3 FC £(f): FTun	D:A3LSG		#Atten	pur Ch.					-67.9	68 GHz 9 dBm	Center Freq 17.5000000 GHz Start Freq 10.0000000 GHz Stop Freq 25.0000000 GHz CF Step 1.50000000 GHz Auto Freq Offset 0.0000000 Hz Signal Track
FCC I Ref 4 HPeak Log 10 dB/ Offst 6.56 dB LgAv V1 S2 S3 FC \$3 FC \$1 FTun Swp	2 2		#Atten	pur Ch.					-67.9	68 GHz 9 dBm	Center Freq 17.5000000 GHz Start Freq 10.0000000 GHz Stop Freq 25.0000000 GHz CF Step 1.50000000 GHz Auto Freq Offset 0.0000000 Hz Signal Track
FCC I Ref 4 #Peak Log 10 dB/ Offst 6.56 dB LgAv V1 S2 S3 FC £(f): FTun Swp Start	D:A3LSG dBm 2 2 10.00 G	Hz	#Atten	pur Ch.					-67.9	68 GHz 9 dBm	Center Freq 17.5000000 GHz Start Freq 10.0000000 GHz Stop Freq 25.0000000 GHz CF Step 1.50000000 GHz Auto Freq Offset 0.0000000 Hz Signal Track
FCC I Ref 4 #Peak Log 10 dB/ Offst 6.56 dB LgAv V1 S2 S3 FC £(f): FTun Swp Start #Res B	2 2	Hz kHz	#Atten	pur Ch. 10 dB	W 100	<hz< td=""><td></td><td></td><td>-67.9</td><td>68 GHz 9 dBm</td><td>Center Freq 17.5000000 GHz Start Freq 10.0000000 GHz Stop Freq 25.0000000 GHz CF Step 1.50000000 GHz Auto Freq Offset 0.0000000 Hz Signal Track</td></hz<>			-67.9	68 GHz 9 dBm	Center Freq 17.5000000 GHz Start Freq 10.0000000 GHz Stop Freq 25.0000000 GHz CF Step 1.50000000 GHz Auto Freq Offset 0.0000000 Hz Signal Track



Report Number : FD-017-R2

🔆 Ag	ilent								L	Freq/Channel
	A3LSGHE37			ping						Center Freq
Ref 4 #Peak	dBm	#Atten	10 dB							2.42050000 GHz
Log			l			\sim		l	\sim	
10										Start Freq
dB/										2.40000000 GHz
Offst 6.56										
dB										Stop Freq
										2.44100000 GHz
										CF Step
										4.10000000 MHz
LgAv										<u>Auto</u> Man
V1 S2										Freq Offset
\$3 FC										0.00000000 Hz
£ (f): FTun										Signal Track
Swp										On <u>Off</u>
Ů, P										
Start 2	L 2.400 00 GH;						Ston	2.441 ()0 GHZ	
	W 1 MHz	<u>-</u>	V	BW 1 M	Ηz	Si		ms (60		
	ight 2000-:	2002 Aa							- /	,
_	ilent								L	Freq/Channel
FCC ID	A3LSGHE37			ping					L	
FCC ID Ref 4	A3LSGHE37	0 Bluetoo #Atten		ping					L	Freq/Channel Center Freq 2.46225000 GHz
FCC ID Ref 4 #Peak	A3LSGHE37			ping	· · · · ·	~~~~	~~~~	·	L	Center Freq
FCC ID Ref 4 #Peak Log 10	A3LSGHE37			ping		~~~~	~~~~	~~~~		Center Freq 2.46225000 GHz Start Freq
FCC ID Ref 4 #Peak Log 10 dB/	A3LSGHE37			ping		~~~~	~~~~	~~~~		Center Freq
FCC ID Ref 4 #Peak Log 10 dB/ Offst	A3LSGHE37			ping		~~~~	~~~~	~~~~		Center Freq 2.46225000 GHz Start Freq 2.44100000 GHz
FCC ID Ref 4 #Peak Log 10 dB/	A3LSGHE37			ping		~~~~	~~~~	~~~~		Center Freq 2.46225000 GHz Start Freq 2.44100000 GHz Stop Freq
FCC ID Ref 4 #Peak Log 10 dB/ 0ffst 6.56	A3LSGHE37			ping		~~~~	~~~~			Center Freq 2.46225000 GHz Start Freq 2.44100000 GHz
FCC ID Ref 4 #Peak Log 10 dB/ 0ffst 6.56	A3LSGHE37			ping		~~~~~				Center Freq 2.46225000 GHz Start Freq 2.44100000 GHz Stop Freq 2.48350000 GHz
FCC ID Ref 4 #Peak Log 10 dB/ 0ffst 6.56 dB	A3LSGHE37			ping						Center Freq 2.46225000 GHz Start Freq 2.44100000 GHz Stop Freq 2.48350000 GHz CF Step 4.25000000 MHz
FCC ID Ref 4 #Peak Log 10 dB/ 0ffst 6.56	A3LSGHE37			ping						Center Freq 2.46225000 GHz Start Freq 2.44100000 GHz Stop Freq 2.48350000 GHz CF Step
FCC ID Ref 4 HPeak Log 10 dB/ Offst 6.56 dB LgAv V1 S2	D:A3LSGHE37			ping						Center Freq 2.46225000 GHz Start Freq 2.44100000 GHz Stop Freq 2.48350000 GHz CF Step 4.25000000 MHz Auto Man
FCC ID Ref 4 HPeak Log 10 dB/ 0ffst 6.56 dB	D:A3LSGHE37			ping						Center Freq 2.46225000 GHz Start Freq 2.44100000 GHz Stop Freq 2.48350000 GHz CF Step 4.25000000 MHz Auto Man
FCC ID Ref 4 HPeak Log 10 dB/ 0ffst 6.56 dB LgAv V1 S2 S3 FC	D:A3LSGHE37			ping						Center Freq 2.46225000 GHz Start Freq 2.44100000 GHz Stop Freq 2.48350000 GHz CF Step 4.25000000 MHz <u>Auto</u> Man
FCC ID Ref 4 Log 10 dB/ Offst 6.56 dB LgAv V1 S2 S3 FC £(f):	D:A3LSGHE37			ping						Center Freq 2.46225000 GHz Start Freq 2.44100000 GHz Stop Freq 2.48350000 GHz CF Step 4.25000000 MHz <u>Auto</u> Man
FCC ID Ref 4 HPeak Log 10 dB/ 0ffst 6.56 dB LgAv V1 S2 S3 FC	D:A3LSGHE37			ping						Center Freq 2.46225000 GHz Start Freq 2.44100000 GHz Stop Freq 2.48350000 GHz CF Step 4.25000000 MHz Auto Man Freq Offset 0.0000000 Hz
FCC ID Ref 4 Log 10 dB/ Offst 6.56 dB LgAv V1 S2 S3 FC £(f): FTun	D:A3LSGHE37			ping						Center Freq 2.46225000 GHz Start Freq 2.44100000 GHz Stop Freq 2.48350000 GHz CF Step 4.25000000 MHz Auto Freq Offset 0.0000000 Hz Signal Track
FCC ID Ref 4 Log 10 dB/ Offst 6.56 dB LgAv V1 S2 S3 FC £(f): FTun Swp	D:A3LSGHE37	#Atten		ping			Stop	2.483 !		Center Freq 2.46225000 GHz Start Freq 2.44100000 GHz Stop Freq 2.48350000 GHz CF Step 4.25000000 MHz Auto Freq Offset 0.0000000 Hz Signal Track
FCC ID Ref 4 Log 10 dB/ Offst 6.56 dB LgAv V1 S2 S3 FC £(f): FTun Swp Start 2	CASESCHEST	#Atten		ping		>>>>>		2.483 S ms (60	50 GHz	Center Freq 2.46225000 GHz Start Freq 2.44100000 GHz Stop Freq 2.48350000 GHz CF Step 4.25000000 MHz Auto Freq Offset 0.0000000 Hz Signal Track

