

Report No.: AGC02415190405FE10

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Digital: Date + voice:

Conducted Power Measurement Results-2W		
Ohannal Cananation		Measurement Result (dBm)
Channel Separation	Channel	For 33dBm(2W)
L OU	Bottom(400.025MHz)	32.40
40.5 1/11-	Middle(453.225MHz)	32.47
12.5 KHz	Middle(454.025MHz)	32.45
	Top (469.975MHz)	32.43

Radiated Power Measurement Results-2W			
Channel Canavation	Channal	Measurement Result (dBm)	
Channel Separation	Channel	For 33dBm(2W)	
12.5 KHz	Bottom(400.025MHz)	32.36	
	Middle(453.225MHz)	32.32	
	Middle(454.025MHz)	32.29	
	Top (469.975MHz)	32.35	

Date transmission mode:

Conducted Power Measurement Results-2W			
Channel Consession	Ol amount	Measurement Result (dBm)	
Channel Separation	Channel	For 33dBm(2W)	
100 ac	Bottom(400.025MHz)	32.31	
40 5 KH-	Middle(453.225MHz)	32.29	
12.5 KHz	Middle(454.025MHz)	32.26	
	Top (469.975MHz)	32.35	





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Radiated Power Measurement Results-2W		
01 10 4		Measurement Result (dBm)
Channel Separation	Channel	For 33dBm(2W)
100 ac	Bottom(400.025MHz)	32.26
12.5 KHz	Middle(453.225MHz)	32.24
	Middle(454.025MHz)	32.20
	Top (469.975MHz)	32.31

Date + voice:

Conducted Power Measurement Results-0.5W			
Ohannal Oananatian	Channel	Measurement Result (dBm)	
Channel Separation		For 26.99dBm(0.5W)	
100 20	Bottom(400.025MHz)	26.68	
12.5 KHz	Middle(453.225MHz)	26.77	
	Middle(454.025MHz)	26.65	
	Top (469.975MHz)	26.72	

Radiated Power Measurement Results-0.5W		
Channel Canavation	Ohamad	Measurement Result (dBm)
Channel Separation	Channel	For 26.99dBm(0.5W)
12.5 KHz	Bottom(400.025MHz)	26.55
	Middle(453.225MHz)	26.63
	Middle(454.025MHz)	26.59
	Top (469.975MHz)	26.65





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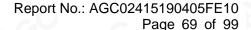
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Date transmission mode:

Conducted Power Measurement Results-0.5W		
Ohannal Canavatian	Channel	Measurement Result (dBm)
Channel Separation		For 26.99dBm(0.5W)
10 CC 2°	Bottom(400.025MHz)	26.61
12.5 KHz	Middle(453.225MHz)	26.69
	Middle(454.025MHz)	26.62
	Top (469.975MHz)	26.68

Radiated Power Measurement Results-0.5W		
011 0	Ol amazal	Measurement Result (dBm)
Channel Separation	Channel For 26.99dB	For 26.99dBm(0.5W)
CC -	Bottom(400.025MHz)	26.51
12.5 KHz	Middle(453.225MHz)	26.54
	Middle(454.025MHz)	26.57
	Top (469.975MHz)	26.55



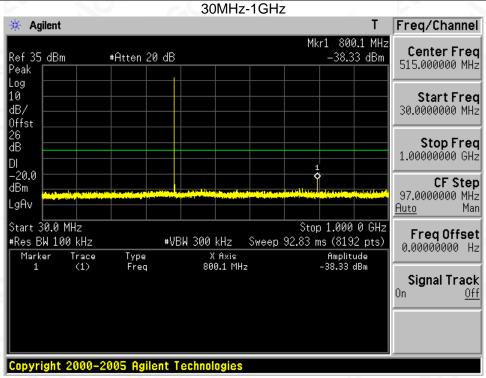




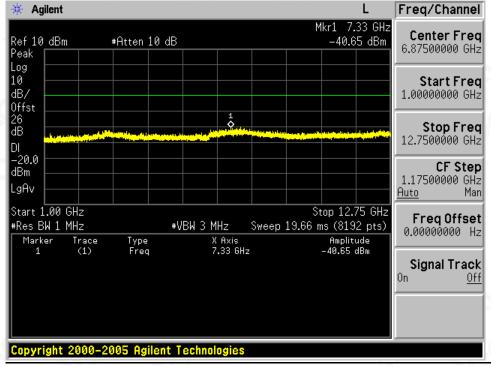
10.5 CONDUCT SPURIOUS PLOT

UHF: Analog:

Conducted Spurious Emission (worst) @ 400.025MHz With 12.5 KHz Channel Separation-0.5W



Conduct Spurious Emission (worst) @ 400.025MHz With 12.5 KHz Channel Separation-0.5W 1GHz-12.75GHz

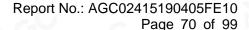




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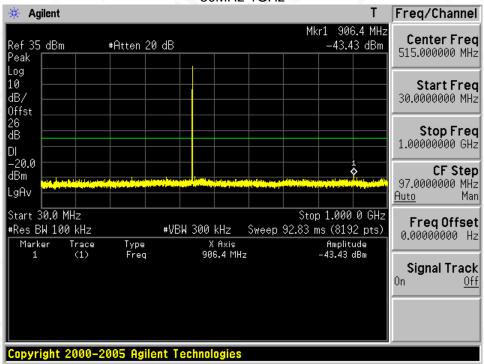
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Xixiang, Bao'an District, Shenzhen, Guangdong, China

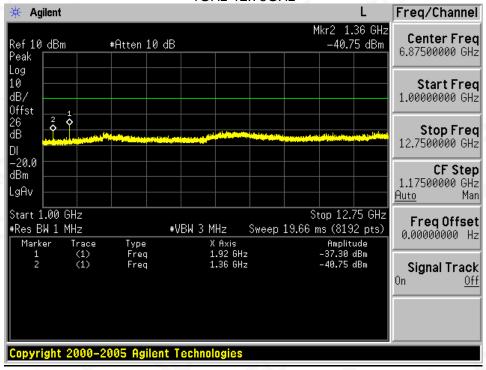




Conducted Spurious Emission (worst) @ 453.225MHz With 12.5 KHz Channel Separation-0.5W 30MHz-1GHz



Conduct Spurious Emission (worst) @ 453.225MHz With 12.5 KHz Channel Separation-0.5W 1GHz-12.75GHz

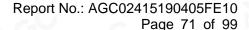




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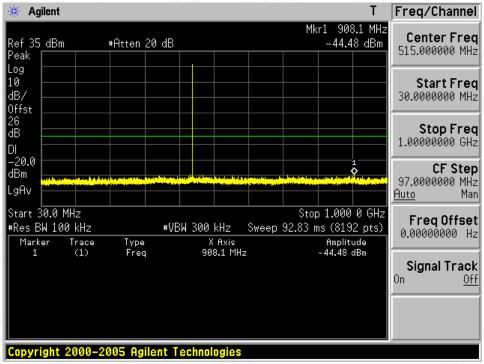
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Xixiang, Bao'an District, Shenzhen, Guangdong, China

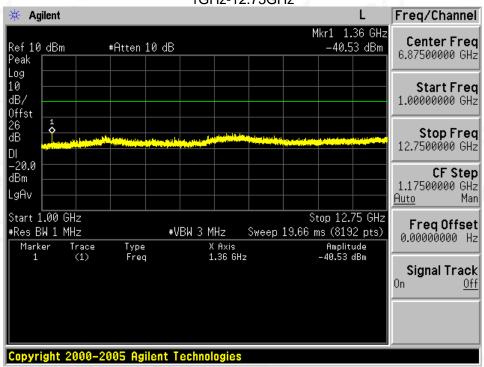




Conducted Spurious Emission (worst) @ 454.025MHz With 12.5 KHz Channel Separation-0.5W 30MHz-1GHz



Conduct Spurious Emission (worst) @ 454.025MHz With 12.5 KHz Channel Separation-0.5W 1GHz-12.75GHz

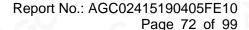




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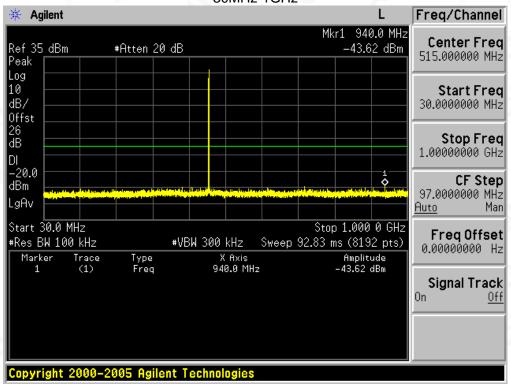
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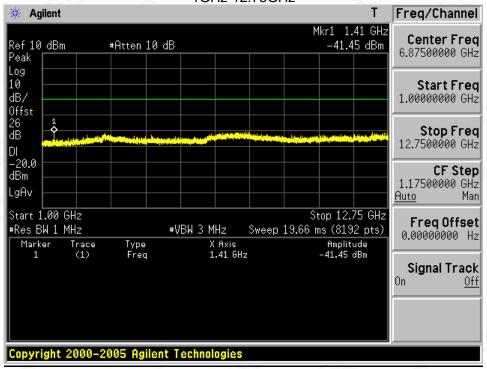




Conducted Spurious Emission (worst) @ 469.975MHz With 12.5 KHz Channel Separation-0.5W 30MHz-1GHz



Conduct Spurious Emission (worst) @ 469.975MHz With 12.5 KHz Channel Separation-0.5W 1GHz-12.75GHz

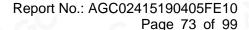




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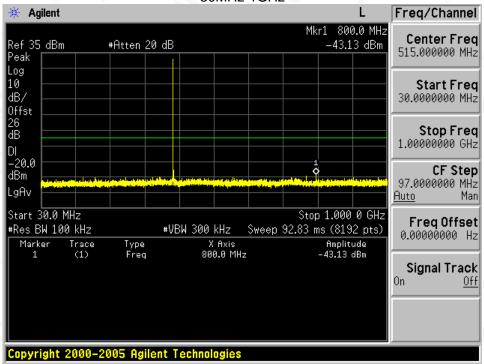
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Xixiang, Bao'an District, Shenzhen, Guangdong, China

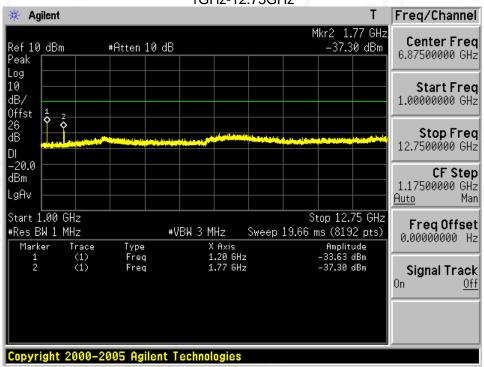




Conducted Spurious Emission (worst) @ 400.025MHz With 12.5 KHz Channel Separation-2W 30MHz-1GHz



Conduct Spurious Emission (worst) @ 400.025MHz With 12.5 KHz Channel Separation-2W 1GHz-12.75GHz

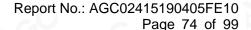




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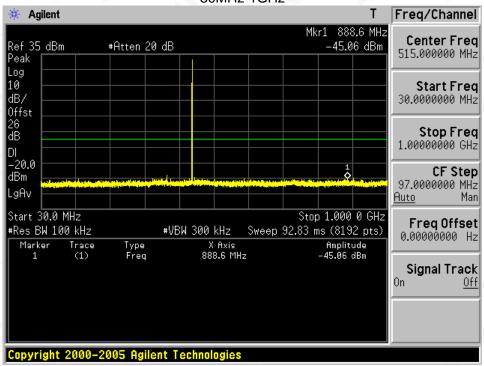
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Xixiang, Bao'an District, Shenzhen, Guangdong, China

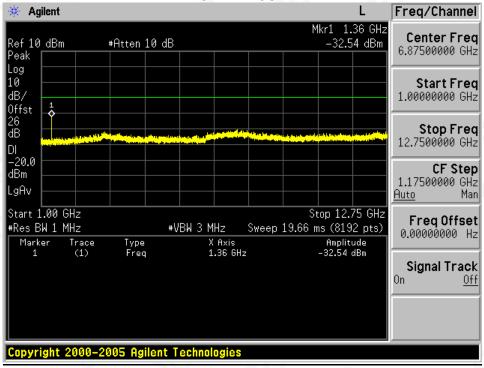




Conducted Spurious Emission (worst) @ 453.225MHz With 12.5 KHz Channel Separation-2W 30MHz-1GHz



Conduct Spurious Emission (worst) @ 453.225MHz With 12.5 KHz Channel Separation-2W 1GHz-12.75GHz

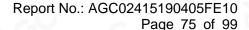




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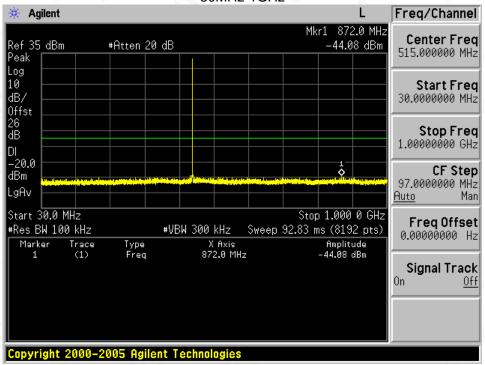
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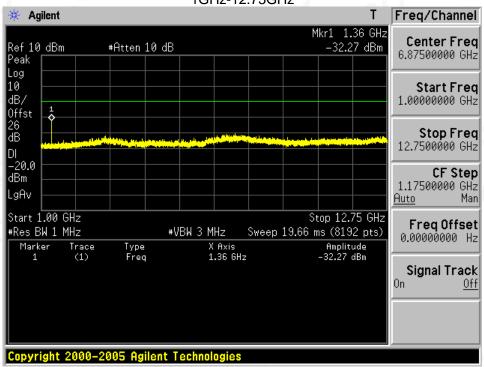




Conducted Spurious Emission (worst) @ 454.025MHz With 12.5 KHz Channel Separation-2W 30MHz-1GHz



Conduct Spurious Emission (worst) @ 454.025MHz With 12.5 KHz Channel Separation-2W 1GHz-12.75GHz

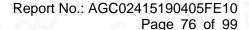




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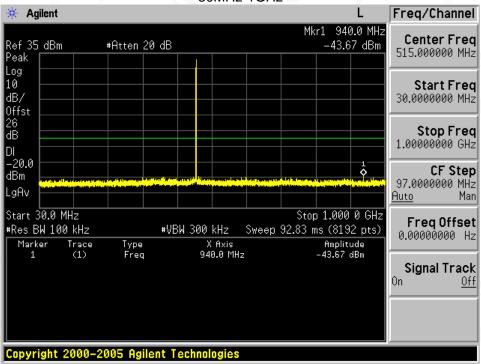
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Xixiang, Bao'an District, Shenzhen, Guangdong, China

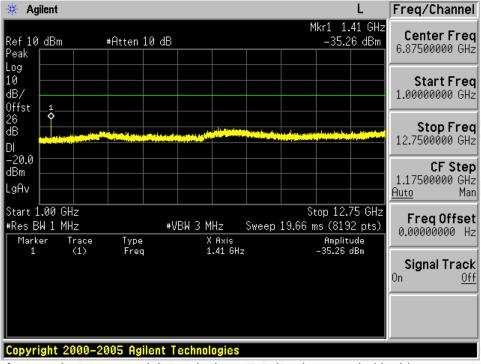




Conducted Spurious Emission (worst) @ 469.975MHz With 12.5 KHz Channel Separation-2W 30MHz-1GHz



Conduct Spurious Emission (worst) @ 469.975MHz With 12.5 KHz Channel Separation-2W 1GHz-12.75GHz



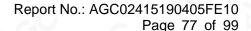
Note: All the test frequencies was tested, but only the worst data be recorded in this part.



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Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,

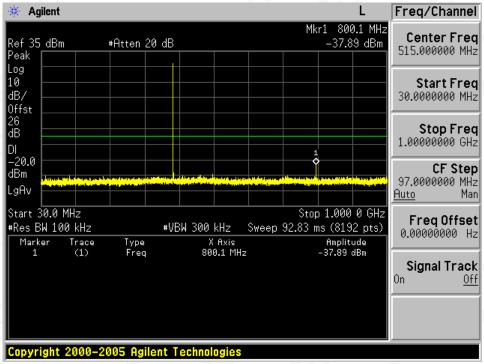
Xixiang, Bao'an District, Shenzhen, Guangdong, China



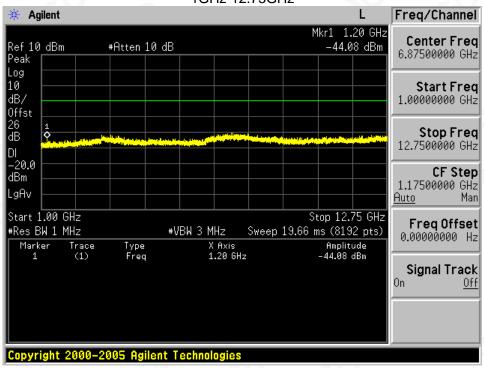


Digital:

Conducted Spurious Emission (worst) @400.025MHz With 12.5 KHz Channel Separation-0.5W 30MHz-1GHz



Conduct Spurious Emission (worst) @ 400.025MHz With 12.5 KHz Channel Separation-0.5W 1GHz-12.75GHz

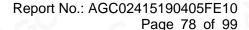




 $Attestation\ of\ Global\ Compliance (Shenzhen) Co., Ltd.$

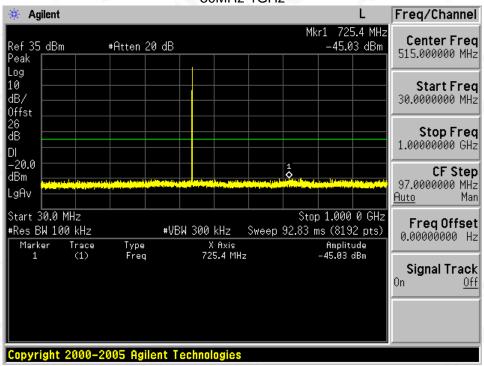
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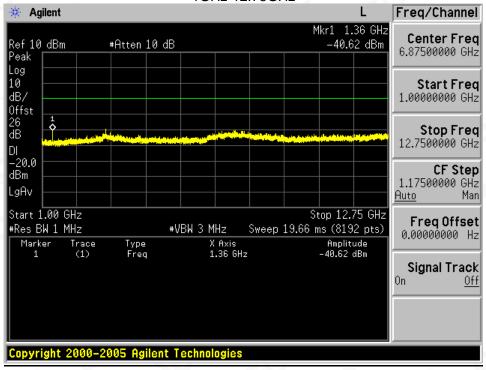




Conducted Spurious Emission (worst) @ 453.225MHz With 12.5 KHz Channel Separation-0.5W 30MHz-1GHz



Conduct Spurious Emission (worst) @ 453.225MHz With 12.5 KHz Channel Separation-0.5W 1GHz-12.75GHz

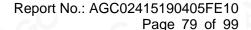




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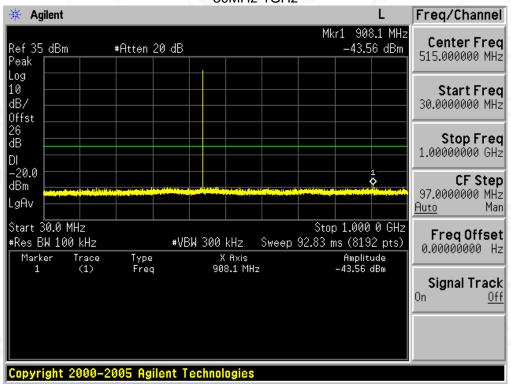
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Xixiang, Bao'an District, Shenzhen, Guangdong, China

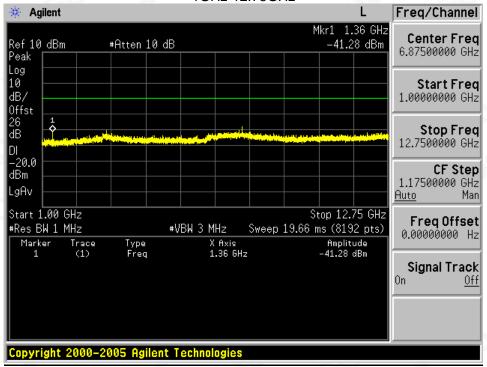




Conducted Spurious Emission (worst) @ 454.025MHz With 12.5 KHz Channel Separation-0.5W 30MHz-1GHz



Conduct Spurious Emission (worst) @ 454.025MHz With 12.5 KHz Channel Separation-0.5W 1GHz-12.75GHz

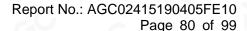




Attestation of Global Compliance(Shenzhen)Co.,Ltd.

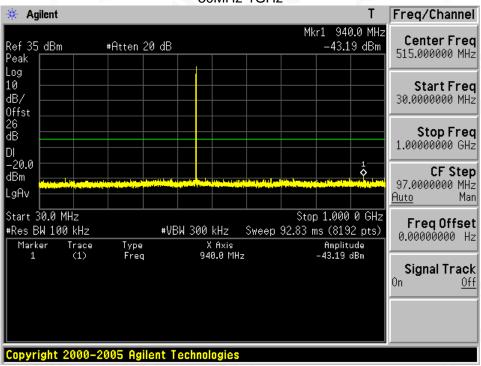
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Xixiang, Bao'an District, Shenzhen, Guangdong, China

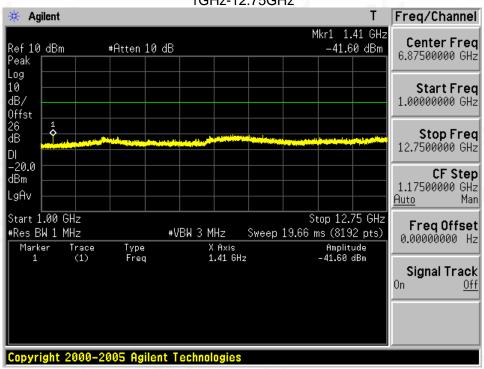




Conducted Spurious Emission (worst) @ 469.975 MHz With 12.5 KHz Channel Separation-0.5W 30MHz-1GHz



Conduct Spurious Emission (worst) @ 469.975 MHz With 12.5 KHz Channel Separation-0.5W 1GHz-12.75GHz

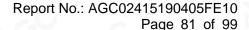




Attestation of Global Compliance(Shenzhen)Co.,Ltd.

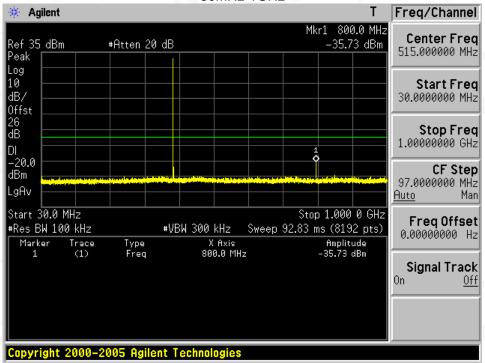
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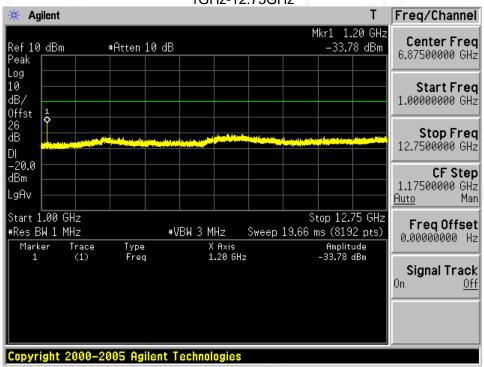




Conducted Spurious Emission (worst) @ 400.025MHz MHz With 12.5 KHz Channel Separation-2W 30MHz-1GHz



Conduct Spurious Emission (worst) @ 400.025MHz MHz With 12.5 KHz Channel Separation-2W 1GHz-12.75GHz

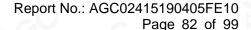




Attestation of Global Compliance(Shenzhen)Co.,Ltd.

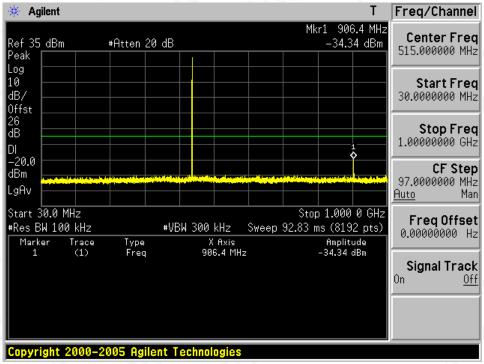
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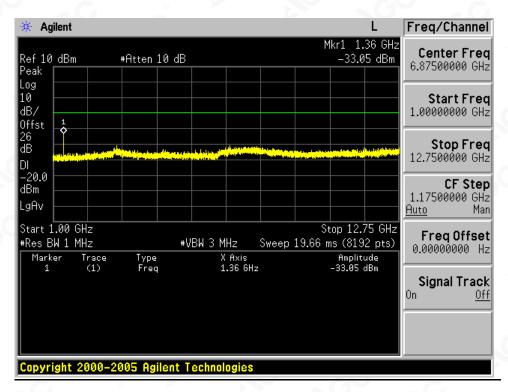




Conducted Spurious Emission (worst) @ 453.225MHz With 12.5 KHz Channel Separation-2W 30MHz-1GHz



Conduct Spurious Emission (worst) @ 453.225MHz With 12.5 KHz Channel Separation-2W 1GHz-12.75GHz

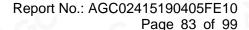




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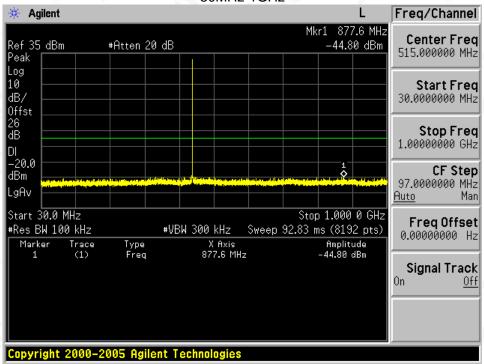
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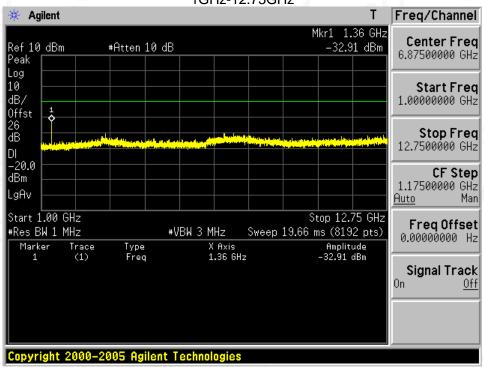




Conducted Spurious Emission (worst) @ 454.025MHz With 12.5 KHz Channel Separation-2W 30MHz-1GHz



Conduct Spurious Emission (worst) @ 454.025MHz With 12.5 KHz Channel Separation-2W 1GHz-12.75GHz

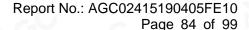




 $Attestation\ of\ Global\ Compliance (Shenzhen) Co., Ltd.$

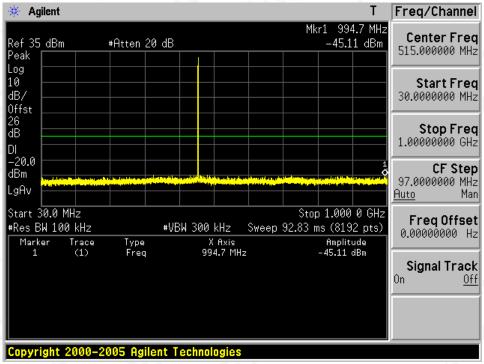
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Xixiang, Bao'an District, Shenzhen, Guangdong, China

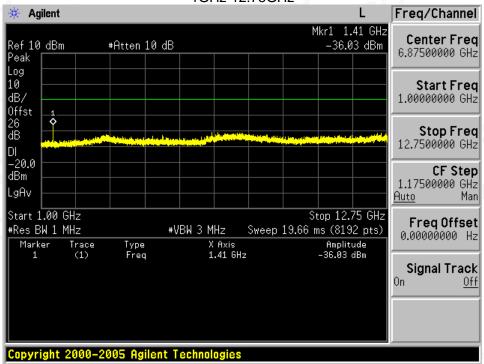




Conducted Spurious Emission (worst) @ 469.975MHz With 12.5 KHz Channel Separation-2W 30MHz-1GHz



Conduct Spurious Emission (worst) @ 469.975MHz With 12.5 KHz Channel Separation2W 1GHz-12.75GHz



Note: All the test frequencies was tested, but only the worst data be recorded in this part.



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11. RANSMITTER FREQUENCY BEHAVIOR

11.1PROVISIONS APPLICABLE

FCC §90.214

	Maximum fraguence	All equipment	
Time intervals 1. 2	Maximum frequency difference ³	150 to 174 MHz	421 to 512 MHz
Transient Frequency Behavior for Equipm	ent Designed to Operate	on 25 kHz Channels	
t ₁ ⁴	± 25.0 kHz ± 12.5 kHz ± 25.0 kHz	5.0 ms 20.0 ms 5.0 ms	10.0 ms 25.0 ms 10.0 ms
Transient Frequency Behavior for Equipme	nt Designed to Operate	on 12.5 kHz Channels	
t ₁ ⁴	± 12.5 kHz ± 6.25 kHz ± 12.5 kHz	5.0 ms 20.0 ms 5.0 ms	10.0 ms 25.0 ms 10.0 ms
Transient Frequency Behavior for Equipme	nt Designed to Operate	on 6.25 kHz Channels	
t ₁ ⁴	± 6.25 kHz ± 3.125 kHz ± 6.25 kHz	5.0 ms 20.0 ms 5.0 ms	10.0 ms 25.0 ms 10.0 ms

11.2 TEST METHOD

TIA/EIA-603 2.2.19.3



 $^{^{1}}$ t $_{on}$ is the instant when a 1 kHz test signal is completely suppressed, including any capture time due to phasing. t_{1} is the time period immediately following t_{on} . t_{2} is the time period immediately following t_{1} . t_{3} is the time period from the instant when the transmitter is turned off until t_{off} . t_{off} is the instant when the 1 kHz test signal starts to rise.

2 During the time from the end of t_{2} to the beginning of t_{3} , the frequency difference must not exceed the limits specified in t_{3} . § 90.213.

 ³ Difference between the actual transmitter frequency and the assigned transmitter frequency.
 4 If the transmitter carrier output power rating is 6 watts or less, the frequency difference during this time period may exceed the maximum frequency difference for this time period.



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11.3 DESCRIBE LIMIT LINE OF RANSMITTER FREQUENCY BEHAVIOR

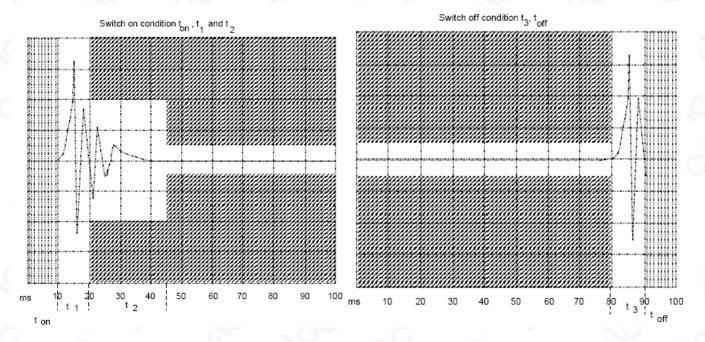
ton: The switch-on instant ton of a transmitter is defined by the condition when the output power, measured at the antenna terminal, exceeds 0,1 % of the full output power (-30 dBc).

t1: period of time starting at ton and finishing according to above 11.1

t2: period of time starting at the end of t1 and finishing according to above 11.1

toff: switch-off instant defined by the condition when the output power falls below 0,1 % of the full output power (-30 dBc).

t3: period of time that finishing at toff and starting according to above 11.1





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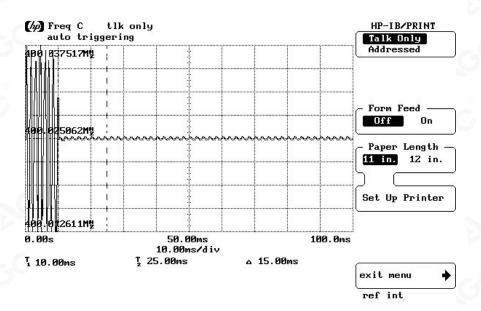
el: +86-755 2523 4088 E-mail: agc@agc-cert.com Service Hotline: 400 089 2118



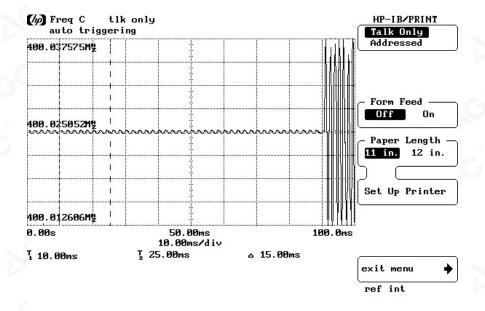
11.4 MEASURE RESULT

UHF:

Transmitter Frequency Behavior @ 12.5 KHz Channel Separation--Off to On



Transmitter Frequency Behavior @ 12.5 KHz Channel Separation--On to Off





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12. AUDIO LOW PASS FILTER RESPONSE

12.1.TEST LIMITS

2.1047(a): Voice modulated communication equipment. A curve or equivalent data showing the frequency response of the audio modulating circuit over a range of 100 to 5000 Hz shall be submitted. For equipment required to have an audio low-pass filter, a curve showing the frequency response of the filter or of all circuitry installed between the modulation limiter and the modulated stage shall be submitted.

90.242(b)(8): Recommended audio filter attenuation characteristics are given below:

	Audio band	Minimum Attenuation Rel. to 1 KHz Attenuation
200	3 –20 KHz 20 – 30 KHz	60 log ₁₀ (f/3) dB where f is in KHz 50dB

12.2. METHOD OF MEASUREMENTS

The rated audio input signal was applied to the input of the audio low-pass filter (or of all modulation stages) using an audio oscillator, this input signal level and its corresponding output signal were then measured and recorded using the FFT Digital Spectrum Analyzer. Tests were repeated at different audio signal frequencies from 0 to 50 KHz.





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Report No.: AGC02415190405FE10

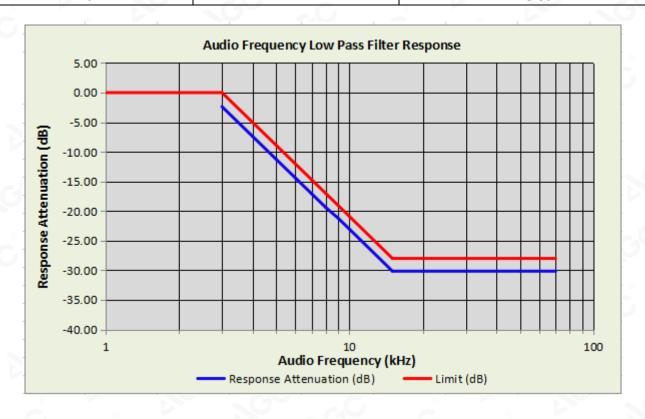
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12.3.MEASURE RESULT

Analog:

12.5 KHZ CHANNEL SPACING, F3E, FREQUENCY OF ALL MODULATION STATES (TEST RESULT FOR

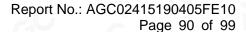
Audio Frequency (kHz)	Response Attenuation (dB)	Limit (dB)
1	0	/
3	-2.37	0.00
4	-7.37	-5.00
5	-11.24	-8.87
6	-14.41	-12.04
7	-17.09	-14.72
8	-19.41	-17.04
9	-21.23	-19.08
10	-23.07	-20.92
15	-30.15	-28.00
20	-30.15	-28.00
30	-30.15	-28.00
50	-30.15	-28.00
70	-30.15	-28.00





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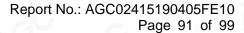
APPENDIX I: PHOTOGRAPHS OF SETUP
RADIATED EMISSION TEST SETUP





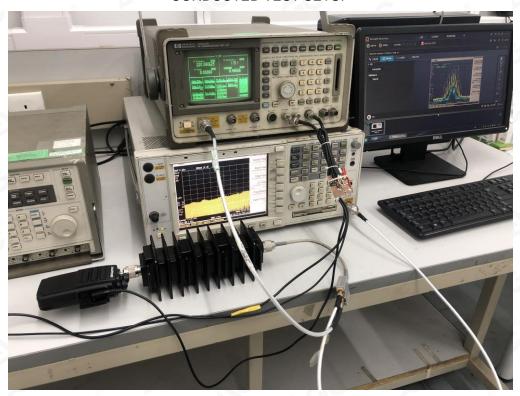


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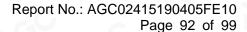


CONDUCTED TEST SETUP





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APPENDIX II PHOTOGRAPHS OF EUT



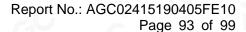
TOP VIEW OF EUT





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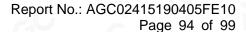


FRONT VIEW OF EUT





Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,







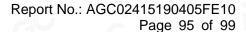


LEFT VIEW OF EUT





Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,







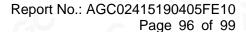


OPEN VIEW-1 OF EUT





Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,

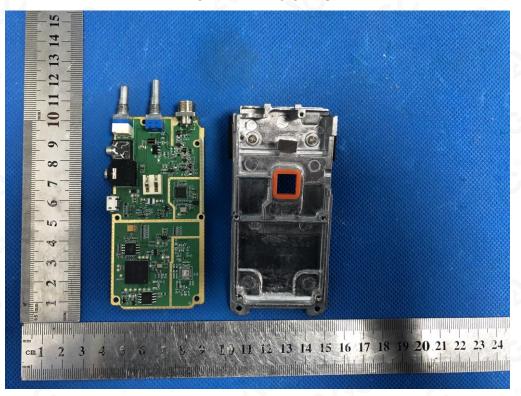






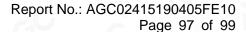


OPEN VIEW-3 OF EUT





Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,

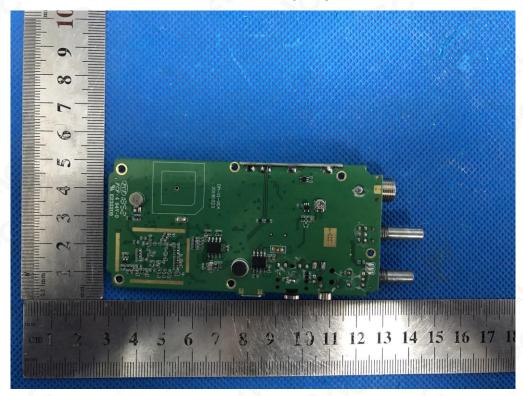






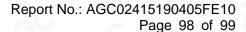


INTERNAL VIEW-2 OF EUT





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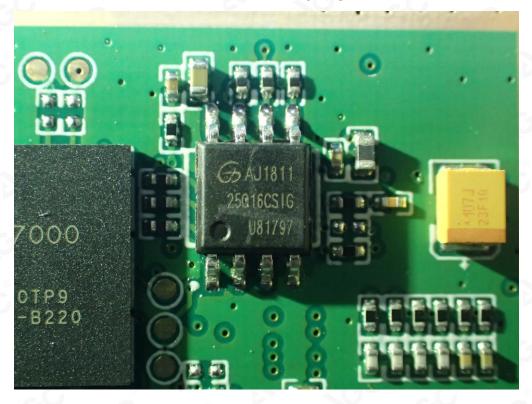






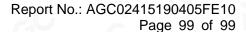


INTERNAL VIEW-4 OF EUT



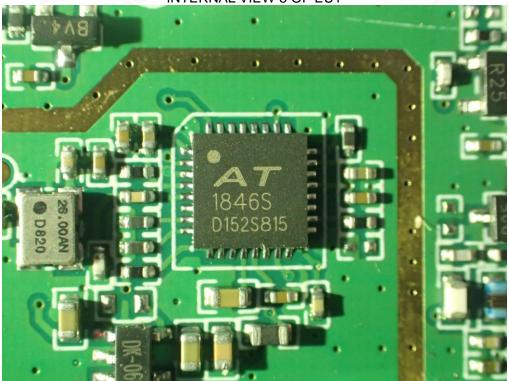


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INTERNAL VIEW-5 OF EUT



INTERNAL VIEW-6 OF EUT



----END OF REPORT----



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