
FCC Part 90& Part 22 Rules

Test Report

Report No.: AGC01284190607FE10

FCC ID : T4K-D578UV

PRODUCT DESIGNATION : DMR Digital and Analog VHF/UHF Mobile Radio

BRAND NAME : ANYTONE

MODEL NAME : AT-D578UV PLUS, AT-D578UV, AT-D578UVG, AT-D578UVB,
AT-D578UV RC, AT-D578UV PRO

APPLICANT : Qixiang Electron Science & Technology Co., Ltd.

DATE OF ISSUE : Oct. 22, 2019

STANDARD(S) : FCC Part 90 Rules
FCC Part 22 Rules

REPORT VERSION : V 1.0

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

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Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Oct. 22, 2019	Valid	Initial Release

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1. VERIFICATION OF COMPLIANCE

Applicant:	Qixiang Electron Science & Technology Co., Ltd.
Address	Qixiang Building,Tangxi Industrial Zone,Luojiang District,Quanzhou,Fujian,China
Manufacturer:	Qixiang Electron Science & Technology Co., Ltd.
Address	Qixiang Building,Tangxi Industrial Zone,Luojiang District,Quanzhou,Fujian,China
Factory	Qixiang Electron Science & Technology Co., Ltd.
Address	Qixiang Building,Tangxi Industrial Zone,Luojiang District,Quanzhou,Fujian,China
Product Designation:	DMR Digital and Analog VHF/UHF Mobile Radio
Brand Name:	ANYTONE
Test Model	AT-D578UV PLUS
Serial Model	AT-D578UV, AT-D578UVG, AT-D578UVB, AT-D578UV RC,AT-D578UV PRO
Difference Description	All the same except the model name.
Date of Test:	Aug. 25, 2019~Oct. 19, 2019

WE HEREBY CERTIFY THAT:

The above equipment was tested by Shenzhen Attestation of Global Compliance Science & Technology Co., Ltd. The data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI/TIA-603-E (2016). The sample tested as described in this report is in compliance with the FCC Rules Part 90 and FCC Rules Part 22 requirements

The test results of this report relate only to the tested sample identified in this report.

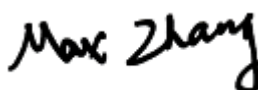
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Oct. 22, 2019

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Oct. 22, 2019

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Oct. 22, 2019

2. GENERAL INFORMATION

2.1PRODUCT DESCRIPTION

The EUT is a **DMR Digital and Analog VHF/UHF Mobile Radio** designed for voice/data communication. It is designed by way of utilizing the FM/4FSK modulation achieves the system operating.

A major technical description of EUT is described as following:

Communication Type	Voice / Data	
Hardware Version	VER3.2	
Software Version	V1.0	
Modulation	FM/4FSK	
Emission Type	7K60FXD/7K60FXE/11K0F3E	
Emission Bandwidth	Analog:10.232KHz(60W-12.5 KHz), 10.242KHz(25W-12.5 KHz) ---VHF 10.237KHz(10W-12.5 KHz), 10.236KHz(1W-12.5 KHz) ---VHF Digital: 10.078KHz(60W),9.896 KHz(25W) ---VHF 9.733KHz(10W),10.083 KHz(1W) ---VHF Analog:10.207KHz(45W-12.5 KHz), 10.203KHz(25W-12.5 KHz) ---UHF 10.208KHz(10W-12.5 KHz), 10.203KHz(1W-12.5 KHz) ---UHF Digital: 9.514KHz(45W), 9.748KHz(25W) ---UHF 9.397KHz(10W), 9.895KHz(1W) ---UHF	
Peak Frequency Deviation	1.92KHz	
Audio Frequency Response	7.33dB	
Maximum Transmitter Power	Analog:47.65dBm(60W-12.5 KHz), 43.88dBm (25W-12.5 KHz) ---VHF 39.67 dBm(10W-12.5 KHz), 29.92dBm (1W-12.5 KHz) ---VHF Digital: 47.45 dBm(60W), 43.72dBm (25W) ---VHF 39.50 dBm(10W), 29.83dBm (1W) ---VHF Analog:46.42 dBm(45W-12.5 KHz), 43.85dBm (25W-12.5 KHz) ---UHF 39.86 dBm(10W-12.5 KHz), 29.91dBm (1W-12.5 KHz) ---UHF Digital: 46.37 dBm(45W), 43.77dBm (25W) ---UHF 39.80 dBm(10W), 29.81dBm (1W) ---UHF	
Output power Modification	VHF:60W/25/10W/1W UHF:45W/25/10W/1W (It was fixed by the manufacturer, any individual can't arbitrarily change it.)	
Data Rate	9600bps/12.5KHz(Channel Spacing)	
Antenna Designation	Detachable	
Antenna Gain	0dBi	
Power Supply	DC 13.8V, 15A	
Limiting Voltage	DC 11.73 V~ 15.87V	
Operation Frequency Range and Channel	Frequency Range: 136 MHz to 174 MHz (VHF) 400 MHz to 480 MHz (UHF) Channel Separation: 12.5KHz(Digital/ Analog)	
	Bottom Channel: 136.025MHz Middle Channel:151.85MHz Middle Channel:155.025MHz Middle Channel:161.61MHz High Channel: 173.975MHz	Bottom Channel: 400.025MHz Middle Channel: 453.225MHz Middle Channel: 454.025MHz High Channel: 479.975MHz
Frequency Tolerance	1.215ppm	

Frequency Range (MHz)	Rated Transmit Power(W)(Conducted)	Transmit Mode/Emission Designator
400-480	45W/25W/10W/1W	11K0F3E(Analog Voice;NB)
400-480	45W/25W/10W/1W	7K60FXD/7K60FXW(9600Data/Digital Voice NB)

Frequency Range (MHz)	Rated Transmit Power(W)(Conducted)	Transmit Mode/Emission Designator
136-174	60W/25W/10W/1W	11K0F3E(Analog Voice;NB)
136-174	60W/25W/10W/1W	7K60FXD/7K60FXW(9600Data/Digital Voice NB)

Channel No. (6.25KHz)	Channel No. (12.5KHz)	12.5KHz Channel Spaced 400MHz Band Plan(MHz)
1	1-2	400.025
2		
3	3-4	440.025
4		
5	5-6	479.975
6		

Channel No. (6.25KHz)	Channel No. (12.5KHz)	12.5KHz Channel Spaced 136MHz Band Plan(MHz)
1	1-2	136.025
2		
3	3-4	155.025
4		
5	5-6	173.975
6		

FCC Rules and Regulations Part 2.202: Necessary Bandwidth and Emission Bandwidth

For FM Mode (Channel Spacing: 12.5 kHz)

Emission Designator 11K0F3E

In this case, the maximum modulating frequency is 3.0 kHz with a 2.5 kHz deviation.

$$BW = 2(M+D) = 2*(3.0 \text{ kHz} + 2.5 \text{ kHz}) = 11 \text{ kHz} = 11K0$$

F3E portion of the designator represents an FM voice transmission

Therefore, the entire designator for 12.5 kHz channel spacing FM mode is 11K0F3E.

For FM Mode (Channel Spacing: 25 kHz)

Emission Designator 16K0F3E

In this case, the maximum modulating frequency is 3.0 kHz with a 5.0 kHz deviation.

$$BW = 2(M+D) = 2*(3.0 \text{ kHz} + 5.0 \text{ kHz}) = 16 \text{ kHz} = 16K0$$

F3E portion of the designator represents an FM voice transmission

Therefore, the entire designator for 25 kHz channel spacing FM mode is 16K0F3E.

For Digital Mode (Channel Spacing: 12.5 kHz)

Emission Designator 7K60F1D and

7K60F1E

The 99% energy rule was used for digital mode. It basically states that 99% of the modulation energy falls within X kHz, in this case, 7.60 kHz.

F1D and F1E portion of the designator indicates digital information.

Therefore, the entire designator for 12.5 kHz channel spacing digital mode is 7K60F1D and 7K60F1E.

2.2 Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for FCC ID: **T4K-D578UV**, filing to comply with Part 2, Part 22, and Part 90 of the Federal Communication Commission rules.

2.3 TEST METHODOLOGY

The radiated emission testing was performed according to the procedures of ANSI/TIA-603-E (2016).

2.4 TEST FACILITY

Test Site	Attestation of Global Compliance (Shenzhen) Co., Ltd
Location	1-2/F, Building 19, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China
Designation Number	CN1259
FCC Test Firm Registration Number	975832
A2LA Cert. No.	5054.02
Description	Attestation of Global Compliance(Shenzhen) Co., Ltd is accredited by A2LA

2.5 SPECIAL ACCESSORIES

Not available for this EUT intended for grant.

2.6 EQUIPMENT MODIFICATIONS

Not available for this EUT intended for grant.

3. SYSTEM TEST CONFIGURATION

3.1 EUT CONFIGURATION

The EUT configuration for testing is installed on RF field strength measurement to meet the Commission's requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

3.2 EUT EXERCISE

The Transmitter was operated in the normal operating mode. The TX frequency was fixed which was for the purpose of the measurements.

3.3 GENERAL TECHNICAL REQUIREMENTS

For FCC Part 90& Part 22 requirements:

- (1). Section 90.205 & 22.565: RF Output Power
- (2). Section 90.207: Modulation Characteristic
- (3). Section 90.209 & 22.359: Occupied Bandwidth
- (4). Section 90.210 & 22.359: Emission Mask
- (5). Section 90.213 & 22.355: Frequency Tolerance
- (6). Section 90.214: Transient Frequency Behavior

3.4 CONFIGURATION OF TESTED SYSTEM

Fig. 2-1 Configuration of Tested System



Table 2-1 Equipment Used in Tested System

Item	Equipment	Model No.	Identifier	Note
1	DMR Digital and Analog VHF/UHF Mobile Radio	AT-D578UV PLUS	FCC ID: T4K-D578UV	EUT
2	DC Line	N/A	N/A	Accessory
3	Hand microphone	N/A	N/A	Accessory

4. SUMMARY OF TEST RESULTS

FCC Rules	Description Of Test	Result
§90.205 & 22.565	Maximum Transmitter Power	Compliant
§90.207	Modulation Characteristic	Compliant
§90.209& 22.359	Occupied Bandwidth	Compliant
§90.210& 22.359	Emission Mask	Compliant
§90.213& 22.355	Frequency Tolerance	Compliant
§90.214	Transient Frequency Behavior	Compliant

LIST OF EQUIPMENTS USED

Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Due
TEST RECEIVER	R&S	ESCI	10096	Jun. 12, 2019	Jun.11 , 2020
EXA Signal Analyzer	Agilent	N9010A	MY53470504	Dec. 20, 2018	Dec. 19, 2019
Horn antenna	SCHWARZBECK	BBHA 9170	#768	Sep.16, 2019	Sep.15, 2020
preamplifier	ChengYi	EMC184045SE	980508	Oct.31, 2018	Oct 30, 2019
Double-Ridged Waveguide Horn	ETS LINDGREN	3117	00034609	May. 26, 2018	May. 25, 2020
Broadband Preamplifier	SCHWARZBECK	BBV 9718	9718-205	Jun. 12, 2019	Jun.11 , 2020
HORN ANTENNA	EM	EM-AH-10180	/	Mar.01, 2018	Feb.29, 2020
SIGNAL GENERATOR	AGILENT	E4421B	122501288	May. 13, 2019	May. 12, 2020
SIGNAL GENERATOR	R&S	SMT03	A0304261	Jun. 12, 2019	Jun.11 , 2020
ANTENNA	SCHWARZBECK	VULB9168	VULB9168-494	Jan. 09, 2019	Jan. 08, 2020
ANTENNA	SCHWARZBECK	VULB9168	D69250	Sep.24, 2019	Sep.23, 2020
Modulation Domain Analyzer	HP	53310A	3121A02467	Nov. 01, 2018	Oct. 31, 2019
Small environmental tester	ESPEC	SH-242	--	Feb. 25, 2019	Feb. 24, 2020
RF Communication Test Set	HP	8920B	--	Jun. 12, 2019	Jun.11 , 2020
Attenuator	Weinachel Corp	58-30-33	ML030	Jun. 12, 2019	Jun.11 , 2020
Vector Analyzer	Agilent	E4440A	--	Feb. 27, 2019	Feb. 26, 2020
RF Cable	R&S	1#	--	Each time	N/A
RF Cable	R&S	2#	--	Each time	N/A

5. DESCRIPTION OF TEST MODES

RF TEST MODES

The EUT (**DMR Digital and Analog VHF/UHF Mobile Radio**) has been tested under normal operating condition. (The top channel, the middle channel and the bottom channel) are chosen for testing at each channel separation.

Analog:

No.	TEST MODES	CHANNEL SEPARATION
1	Low Channel	12.5 KHz
2	Middle Channel	12.5 KHz
3	High Channel	12.5 KHz

Digital:

No.	TEST MODES	CHANNEL SEPARATION
1	Low Channel	12.5 KHz
2	Middle Channel	12.5 KHz
3	High Channel	12.5 KHz

Note: Only the result of the worst case was recorded in the report.

6. FREQUENCY TOLERANCE

6.1 PROVISIONS APPLICABLE

- a). According to FCC §2.1055, § 22.355 and §90.213, the frequency stability shall be measured with variation of ambient temperature from -30°C to $+50^{\circ}\text{C}$ centigrade.
- b). According to FCC Part 2 Section 2.1055(d)(2), for battery powered equipment, the frequency stability shall be measured with reducing primary supply voltage to the battery operating end point, which is specified by the manufacturer.
- c). According to FCC Part 90 Section 90.213, the frequency tolerance must be maintained within 0.00025% for 12.5 KHz channel separation and 0.0001% for 6.25 KHz channel separation.

6.2 MEASUREMENT PROCEDURE

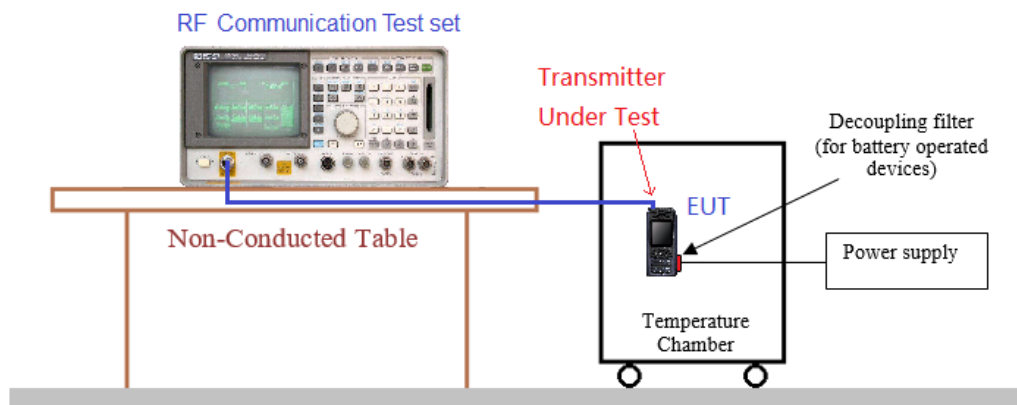
6.2.1 Frequency stability versus environmental temperature

1. Setup the configuration per figure 1 for frequencies measurement inside an environment chamber, Install new battery in the EUT.
2. Turn on EUT and set SA center frequency to the EUT radiated frequency. Set SA Resolution Bandwidth to 1KHz and Video Resolution Bandwidth to 1KHz and Frequency Span to 50KHz. Record this frequency as reference frequency.
3. Set the temperature of chamber to 50°C . Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize. While maintaining a constant temperature inside the chamber, turn the EUT on and measure the EUT operating frequency.
4. Repeat step 2 with a 10°C decreased per stage until the lowest temperature -30°C is measured, record all measured frequencies on each temperature step.

6.2.2 Frequency stability versus input voltage

1. Setup the configuration per figure 1 for frequencies measured at temperature if it is within 15°C to 25°C . Otherwise, an environment chamber set for a temperature of 20°C shall be used. The EUT shall be powered by DC 13.8V.
2. Set SA center frequency to the EUT radiated frequency. Set SA Resolution Bandwidth to 1 KHz and Video Resolution Bandwidth to 1KHz. Record this frequency as reference frequency.
3. Supply the EUT primary voltage at the operating end point which is specified by manufacturer and record the frequency.

6.3 TEST SETUP BLOCK DIAGRAM



6.4 TEST RESULTS**VHF-Analog:**(1) Frequency stability versus input voltage (Supply nominal voltage is 13.80V)-**60W-12.5KHz**

Environment Temperature(°C)	Power Supply	Reference Frequency			Limit:
	(V)	136.025MHz	155.025MHz	173.975MHz	ppm
50	DC 13.80 V	0.387	0.653	0.602	5
40	DC 13.80 V	0.731	0.805	0.792	
30	DC 13.80 V	0.909	0.900	0.586	
20	DC 13.80 V	0.557	0.798	0.575	
10	DC 13.80 V	0.691	0.936	0.887	
0	DC 13.80 V	0.697	0.528	1.032	
-10	DC 13.80 V	1.057	1.034	1.064	
-20	DC 13.80 V	0.605	0.536	0.742	
-30	DC 13.80 V	0.845	0.660	0.588	
Result	Pass				

Environment Temperature(°C)	Power Supply	Reference Frequency		Limit:
	(V)	151.85MHz	161.61MHz	ppm
50	DC 13.80 V	0.753	0.760	5
40	DC 13.80 V	0.351	0.570	
30	DC 13.80 V	0.766	0.722	
20	DC 13.80 V	0.462	0.830	
10	DC 13.80 V	0.823	0.906	
0	DC 13.80 V	0.926	0.652	
-10	DC 13.80 V	0.372	0.302	
-20	DC 13.80 V	0.476	0.765	
-30	DC 13.80 V	0.712	0.533	
Result	Pass			

(2) Frequency stability versus input voltage (Battery endpoint is 11.73V) -60W-12.5KHz

Environment Temperature(°C)	Power	Reference Frequency			Limit:
	(V)	136.025MHz	155.025MHz	173.975MHz	ppm
50	DC11.73 V	0.717	0.653	0.987	5
40	DC11.73 V	1.085	0.869	0.876	
30	DC11.73 V	0.924	0.705	0.712	
20	DC11.73 V	0.645	0.851	0.961	
10	DC11.73 V	0.505	0.558	0.902	
0	DC11.73 V	0.781	1.007	0.724	
-10	DC11.73 V	0.927	0.767	0.730	
-20	DC11.73 V	0.607	0.523	0.715	
-30	DC11.73 V	0.709	0.721	1.215	
Result	Pass				

Environment Temperature(°C)	Power Supply	Reference Frequency		Limit:
	(V)	151.85MHz	161.61MHz	ppm
50	DC11.73 V	0.955	0.776	5
40	DC11.73 V	0.455	0.585	
30	DC11.73 V	0.391	0.382	
20	DC11.73 V	0.703	0.614	
10	DC11.73 V	0.511	0.613	
0	DC11.73 V	0.732	0.446	
-10	DC11.73 V	0.659	0.644	
-20	DC11.73 V	0.314	0.409	
-30	DC11.73 V	0.955	0.776	
Result	Pass			

(3) Frequency stability versus input voltage (Supply nominal voltage is 13.80V)-25W-12.5KHz

Environment Temperature(°C)	Power Supply	Reference Frequency			Limit:
	(V)	136.025MHz	155.025MHz	173.975MHz	ppm
50	DC 13.80 V	1.093	0.954	0.823	5
40	DC 13.80 V	0.982	0.587	0.966	
30	DC 13.80 V	0.817	0.989	1.082	
20	DC 13.80 V	0.839	0.897	0.786	
10	DC 13.80 V	0.771	0.939	0.622	
0	DC 13.80 V	0.610	0.659	0.961	
-10	DC 13.80 V	0.706	0.659	0.867	
-20	DC 13.80 V	0.629	0.724	0.891	
-30	DC 13.80 V	1.093	0.954	0.823	
Result	Pass				

Environment Temperature(°C)	Power Supply	Reference Frequency		Limit:
	(V)	151.85MHz	161.61MHz	ppm
50	DC 13.80 V	0.713	0.751	5
40	DC 13.80 V	0.981	0.378	
30	DC 13.80 V	0.788	0.628	
20	DC 13.80 V	0.707	0.844	
10	DC 13.80 V	0.922	0.511	
0	DC 13.80 V	0.358	0.576	
-10	DC 13.80 V	0.768	0.452	
-20	DC 13.80 V	0.633	0.313	
-30	DC 13.80 V	0.460	0.303	
Result	Pass			

(4) Frequency stability versus input voltage (Battery endpoint is 11.73V) -25W-12.5KHz

Environment Temperature(°C)	Power	Reference Frequency			Limit:
	(V)	136.025MHz	155.025MHz	173.975MHz	ppm
50	DC 11.73V	0.427	0.653	1.045	5
40	DC 11.73V	0.720	0.688	0.987	
30	DC 11.73V	1.056	0.882	0.715	
20	DC 11.73V	0.940	0.969	0.538	
10	DC 11.73V	0.501	0.794	0.589	
0	DC 11.73V	0.647	0.893	0.520	
-10	DC 11.73V	0.707	0.745	0.727	
-20	DC 11.73V	0.978	0.553	0.943	
-30	DC 11.73V	0.550	0.516	1.074	
Result	Pass				

Environment Temperature(°C)	Power Supply	Reference Frequency		Limit:
	(V)	151.85MHz	161.61MHz	ppm
50	DC 11.73V	0.908	0.544	5
40	DC 11.73V	0.384	0.713	
30	DC 11.73V	0.851	0.461	
20	DC 11.73V	0.772	0.793	
10	DC 11.73V	0.949	0.756	
0	DC 11.73V	0.600	0.475	
-10	DC 11.73V	0.924	0.672	
-20	DC 11.73V	0.665	0.367	
-30	DC 11.73V	0.784	0.711	
Result	Pass			

(5) Frequency stability versus input voltage (Supply nominal voltage is 13.80V)-**10W-12.5KHz**

Environment Temperature(℃)	Power Supply	Reference Frequency			Limit:
	(V)	136.025MHz	155.025MHz	173.975MHz	ppm
50	DC 13.80 V	0.521	0.653	0.963	5
40	DC 13.80 V	1.017	1.013	0.552	
30	DC 13.80 V	0.559	0.667	0.842	
20	DC 13.80 V	1.065	0.964	0.914	
10	DC 13.80 V	0.568	0.556	0.973	
0	DC 13.80 V	0.808	0.586	1.071	
-10	DC 13.80 V	0.556	0.923	0.628	
-20	DC 13.80 V	1.029	0.743	0.959	
-30	DC 13.80 V	0.521	0.653	0.963	
Result	Pass				

Environment Temperature(℃)	Power Supply	Reference Frequency		Limit:
	(V)	151.85MHz	161.61MHz	ppm
50	DC 13.80 V	0.510	0.629	5
40	DC 13.80 V	0.922	0.995	
30	DC 13.80 V	0.537	0.572	
20	DC 13.80 V	0.832	0.509	
10	DC 13.80 V	0.691	0.309	
0	DC 13.80 V	0.830	0.963	
-10	DC 13.80 V	0.429	0.703	
-20	DC 13.80 V	0.898	0.453	
-30	DC 13.80 V	0.510	0.629	
Result	Pass			

(6) Frequency stability versus input voltage (Battery endpoint is 11.73V) -10W-12.5KHz

Environment Temperature(℃)	Power	Reference Frequency			Limit:
	(V)	136.025MHz	155.025MHz	173.975MHz	ppm
50	DC11.73 V	0.800	0.653	0.916	5
40	DC11.73 V	1.046	0.722	1.067	
30	DC11.73 V	1.043	0.764	0.554	
20	DC11.73 V	0.946	1.071	0.576	
10	DC11.73 V	0.528	0.966	0.687	
0	DC11.73 V	0.850	0.697	0.543	
-10	DC11.73 V	0.784	0.611	0.806	
-20	DC11.73 V	0.985	0.779	0.853	
-30	DC11.73 V	0.800	0.653	0.916	
Result	Pass				

Environment Temperature(℃)	Power Supply	Reference Frequency		Limit:
	(V)	151.85MHz	161.61MHz	ppm
50	DC11.73 V	0.379	0.695	5
40	DC11.73 V	0.952	0.500	
30	DC11.73 V	0.463	0.451	
20	DC11.73 V	0.495	0.767	
10	DC11.73 V	0.896	0.495	
0	DC11.73 V	0.519	0.584	
-10	DC11.73 V	0.306	0.498	
-20	DC11.73 V	0.683	0.467	
-30	DC11.73 V	0.379	0.695	
Result	Pass			

(7) Frequency stability versus input voltage (Supply nominal voltage is 13.80V)-1W-12.5KHz

Environment Temperature(℃)	Power Supply	Reference Frequency			Limit:
	(V)	136.025MHz	155.025MHz	173.975MHz	ppm
50	DC 13.80 V	0.707	0.653	0.691	5
40	DC 13.80 V	0.539	0.582	0.847	
30	DC 13.80 V	0.815	0.555	0.621	
20	DC 13.80 V	0.709	0.979	0.705	
10	DC 13.80 V	0.512	0.705	0.824	
0	DC 13.80 V	0.940	0.917	0.896	
-10	DC 13.80 V	0.919	0.978	1.055	
-20	DC 13.80 V	0.910	0.561	0.955	
-30	DC 13.80 V	0.869	0.598	0.964	
Result	Pass				

Environment Temperature(°C)	Power Supply	Reference Frequency		Limit:
	(V)	151.85MHz	161.61MHz	ppm
50	DC 13.80 V	0.450	0.708	5
40	DC 13.80 V	0.346	0.392	
30	DC 13.80 V	0.632	0.927	
20	DC 13.80 V	0.718	0.847	
10	DC 13.80 V	0.811	0.713	
0	DC 13.80 V	0.417	0.744	
-10	DC 13.80 V	0.507	0.768	
-20	DC 13.80 V	0.631	0.970	
-30	DC 13.80 V	0.369	0.916	
Result	Pass			

(8) Frequency stability versus input voltage (Battery endpoint is 11.73V) -1W-12.5KHz

Environment Temperature(°C)	Power	Reference Frequency			Limit:
	(V)	136.025MHz	155.025MHz	173.975MHz	ppm
50	DC 11.73V	0.642	0.653	0.597	5
40	DC 11.73V	0.891	0.845	0.687	
30	DC 11.73V	0.830	1.099	0.812	
20	DC 11.73V	0.642	0.599	0.553	
10	DC 11.73V	1.031	0.673	0.614	
0	DC 11.73V	0.594	0.939	0.890	
-10	DC 11.73V	0.532	0.656	0.903	
-20	DC 11.73V	0.972	0.954	1.091	
-30	DC 11.73V	0.778	0.954	0.593	
Result	Pass				

Environment Temperature(°C)	Power Supply	Reference Frequency		Limit:
	(V)	151.85MHz	161.61MHz	ppm
50	DC 11.73V	0.391	0.972	5
40	DC 11.73V	0.676	0.890	
30	DC 11.73V	0.495	0.736	
20	DC 11.73V	0.467	0.521	
10	DC 11.73V	0.607	0.624	
0	DC 11.73V	0.685	0.493	
-10	DC 11.73V	0.976	0.778	
-20	DC 11.73V	0.731	0.768	
-30	DC 11.73V	0.445	0.930	
Result	Pass			

Digital:(1) Frequency stability versus input voltage (Supply nominal voltage is 13.80V)-**60W-12.5KHz**

Environment Temperature(℃)	Power Supply	Reference Frequency			Limit:
	(V)	136.025MHz	155.025MHz	173.975MHz	ppm
50	DC 13.80 V	0.921	0.653	0.733	5
40	DC 13.80 V	0.731	0.982	1.012	
30	DC 13.80 V	0.881	0.664	0.788	
20	DC 13.80 V	0.808	0.705	0.517	
10	DC 13.80 V	0.798	0.593	0.765	
0	DC 13.80 V	0.569	0.608	0.946	
-10	DC 13.80 V	1.031	0.808	1.017	
-20	DC 13.80 V	1.032	0.767	0.915	
-30	DC 13.80 V	0.646	0.753	1.076	
Result	Pass				

Environment Temperature(°C)	Power Supply	Reference Frequency		Limit:
	(V)	151.85MHz	161.61MHz	ppm
50	DC 13.80 V	0.910	0.512	5
40	DC 13.80 V	0.370	0.958	
30	DC 13.80 V	0.960	0.484	
20	DC 13.80 V	0.322	0.671	
10	DC 13.80 V	0.670	0.380	
0	DC 13.80 V	0.719	0.515	
-10	DC 13.80 V	0.986	0.452	
-20	DC 13.80 V	0.697	0.724	
-30	DC 13.80 V	0.379	0.947	
Result	Pass			

(2) Frequency stability versus input voltage (Battery endpoint is 11.73V) -60W-12.5KHz

Environment Temperature(℃)	Power	Reference Frequency			Limit:
	(V)	136.025MHz	155.025MHz	173.975MHz	ppm
50	DC11.73 V	0.645	0.653	0.713	5
40	DC11.73 V	0.568	1.027	0.824	
30	DC11.73 V	1.090	0.881	0.572	
20	DC11.73 V	0.502	1.068	0.536	
10	DC11.73 V	0.748	1.083	0.635	
0	DC11.73 V	0.631	0.687	0.744	
-10	DC11.73 V	0.687	0.702	0.684	
-20	DC11.73 V	0.598	0.820	0.811	
-30	DC11.73 V	0.570	0.907	1.043	
Result	Pass				

Environment Temperature(°C)	Power Supply	Reference Frequency		Limit:
	(V)	151.85MHz	161.61MHz	ppm
50	DC11.73 V	0.667	0.743	5
40	DC11.73 V	0.329	0.496	
30	DC11.73 V	0.534	0.863	
20	DC11.73 V	0.956	0.403	
10	DC11.73 V	0.401	0.362	
0	DC11.73 V	0.783	0.735	
-10	DC11.73 V	0.452	0.857	
-20	DC11.73 V	0.959	0.520	
-30	DC11.73 V	0.943	0.585	
Result	Pass			

(3) Frequency stability versus input voltage (Supply nominal voltage is 13.80V)-**25W-12.5KHz**

⑤ Frequency Stability Versus Input Voltage (Supply Nominal Voltage is 10.80V) 20W 210KHz					
Environment Temperature(℃)	Power Supply	Reference Frequency			Limit:
	(V)	136.025MHz	155.025MHz	173.975MHz	ppm
50	DC 13.80 V	0.397	0.653	0.869	5
40	DC 13.80 V	0.596	1.076	0.713	
30	DC 13.80 V	0.660	0.750	1.097	
20	DC 13.80 V	0.576	0.825	0.930	
10	DC 13.80 V	0.564	0.648	0.566	
0	DC 13.80 V	0.584	0.930	1.059	
-10	DC 13.80 V	0.854	0.538	0.900	
-20	DC 13.80 V	0.695	0.729	0.521	
-30	DC 13.80 V	0.564	0.780	0.809	
Result	Pass				

Environment Temperature(℃)	Power Supply	Reference Frequency		Limit:
	(V)	151.85MHz	161.61MHz	ppm
50	DC 13.80 V	0.554	0.474	5
40	DC 13.80 V	0.614	0.840	
30	DC 13.80 V	0.395	0.590	
20	DC 13.80 V	0.792	0.611	
10	DC 13.80 V	0.860	0.872	
0	DC 13.80 V	0.300	0.660	
-10	DC 13.80 V	0.979	0.306	
-20	DC 13.80 V	0.789	0.753	
-30	DC 13.80 V	0.895	0.596	
Result	Pass			

(4) Frequency stability versus input voltage (Battery endpoint is 11.73V) -25W-12.5KHz

Environment Temperature(°C)	Power	Reference Frequency			Limit:
	(V)	136.025MHz	155.025MHz	173.975MHz	ppm
50	DC 11.73V	0.756	0.653	0.583	5
40	DC 11.73V	0.741	1.033	1.071	
30	DC 11.73V	0.940	0.883	0.896	
20	DC 11.73V	0.582	0.735	1.051	
10	DC 11.73V	0.983	0.645	0.803	
0	DC 11.73V	0.737	0.861	0.711	
-10	DC 11.73V	0.553	0.592	0.699	
-20	DC 11.73V	1.050	0.934	0.897	
-30	DC 11.73V	1.058	0.738	0.550	
Result	Pass				

Environment Temperature(℃)	Power Supply	Reference Frequency		Limit:
	(V)	151.85MHz	161.61MHz	ppm
50	DC 11.73V	0.799	0.418	5
40	DC 11.73V	0.355	0.854	
30	DC 11.73V	0.773	0.703	
20	DC 11.73V	0.735	0.495	
10	DC 11.73V	0.918	0.667	
0	DC 11.73V	0.542	0.597	
-10	DC 11.73V	0.706	0.828	
-20	DC 11.73V	0.390	0.393	
-30	DC 11.73V	0.684	0.716	
Result	Pass			

(5) Frequency stability versus input voltage (Supply nominal voltage is 13.80V)-**10W-12.5KHz**

Environment Temperature(℃)	Power Supply	Reference Frequency			Limit:
	(V)	136.025MHz	155.025MHz	173.975MHz	ppm
50	DC 13.80 V	0.749	0.653	0.962	5
40	DC 13.80 V	0.613	0.717	0.896	
30	DC 13.80 V	0.615	1.029	0.941	
20	DC 13.80 V	1.048	0.521	0.926	
10	DC 13.80 V	1.040	0.787	0.592	
0	DC 13.80 V	0.972	0.844	0.849	
-10	DC 13.80 V	0.609	1.077	1.071	
-20	DC 13.80 V	0.975	1.025	1.044	
-30	DC 13.80 V	0.924	0.889	0.666	
Result	Pass				

Environment Temperature(℃)	Power Supply	Reference Frequency		Limit:
	(V)	151.85MHz	161.61MHz	ppm
50	DC 13.80 V	0.808	0.721	5
40	DC 13.80 V	0.637	0.477	
30	DC 13.80 V	0.981	0.966	
20	DC 13.80 V	0.814	0.374	
10	DC 13.80 V	0.410	0.791	
0	DC 13.80 V	0.596	0.649	
-10	DC 13.80 V	0.982	0.539	
-20	DC 13.80 V	0.668	0.949	
-30	DC 13.80 V	0.657	0.914	
Result	Pass			

(6) Frequency stability versus input voltage (Battery endpoint is 11.73V) -10W-12.5KHz

Environment Temperature(℃)	Power	Reference Frequency			Limit:
	(V)	136.025MHz	155.025MHz	173.975MHz	ppm
50	DC11.73 V	0.763	0.653	0.533	5
40	DC11.73 V	0.595	0.674	0.699	
30	DC11.73 V	0.874	0.777	0.634	
20	DC11.73 V	0.749	0.780	0.526	
10	DC11.73 V	0.647	1.085	0.611	
0	DC11.73 V	0.556	0.631	0.520	
-10	DC11.73 V	0.626	1.037	0.747	
-20	DC11.73 V	0.589	0.901	0.922	
-30	DC11.73 V	0.570	0.862	0.758	
Result	Pass				

Environment Temperature(°C)	Power Supply	Reference Frequency		Limit:
	(V)	151.85MHz	161.61MHz	ppm
50	DC11.73 V	0.987	0.789	5
40	DC11.73 V	0.730	0.926	
30	DC11.73 V	0.620	0.640	
20	DC11.73 V	0.803	0.880	
10	DC11.73 V	0.998	0.819	
0	DC11.73 V	0.484	0.308	
-10	DC11.73 V	0.985	0.744	
-20	DC11.73 V	0.380	0.964	
-30	DC11.73 V	0.748	0.329	
Result	Pass			

(7) Frequency stability versus input voltage (Supply nominal voltage is 13.80V)-1W-12.5KHz

Environment Temperature(℃)	Power Supply	Reference Frequency			Limit:
	(V)	136.025MHz	155.025MHz	173.975MHz	ppm
50	DC 13.80 V	0.319	0.653	0.779	5
40	DC 13.80 V	1.037	0.815	0.903	
30	DC 13.80 V	0.608	0.579	0.513	
20	DC 13.80 V	0.868	0.998	0.951	
10	DC 13.80 V	0.704	0.653	1.084	
0	DC 13.80 V	1.029	1.027	0.733	
-10	DC 13.80 V	0.976	0.863	0.734	
-20	DC 13.80 V	1.021	0.581	0.724	
-30	DC 13.80 V	0.570	0.645	0.814	
Result	Pass				

Environment Temperature(°C)	Power Supply	Reference Frequency		Limit:
	(V)	151.85MHz	161.61MHz	ppm
50	DC 13.80 V	0.464	0.911	5
40	DC 13.80 V	0.755	0.392	
30	DC 13.80 V	0.841	0.302	
20	DC 13.80 V	0.611	0.327	
10	DC 13.80 V	0.533	0.873	
0	DC 13.80 V	0.954	0.763	
-10	DC 13.80 V	0.565	0.523	
-20	DC 13.80 V	0.946	0.832	
-30	DC 13.80 V	0.675	0.414	
Result	Pass			

(8) Frequency stability versus input voltage (Battery endpoint is 11.73V) -1W-12.5KHz

Environment Temperature(℃)	Power	Reference Frequency			Limit:
	(V)	136.025MHz	155.025MHz	173.975MHz	ppm
50	DC 11.73V	0.652	0.653	0.722	5
40	DC 11.73V	0.738	1.024	0.825	
30	DC 11.73V	0.610	0.888	0.815	
20	DC 11.73V	0.990	1.092	0.508	
10	DC 11.73V	1.043	0.903	1.036	
0	DC 11.73V	0.665	0.694	0.514	
-10	DC 11.73V	0.905	0.535	0.989	
-20	DC 11.73V	0.549	0.710	0.640	
-30	DC 11.73V	0.737	1.014	0.830	
Result	Pass				

Environment Temperature(°C)	Power Supply	Reference Frequency		Limit:
	(V)	151.85MHz	161.61MHz	ppm
50	DC 11.73V	0.603	0.454	5
40	DC 11.73V	0.635	0.908	
30	DC 11.73V	0.943	0.808	
20	DC 11.73V	0.648	0.553	
10	DC 11.73V	0.973	0.949	
0	DC 11.73V	0.504	0.948	
-10	DC 11.73V	0.758	0.664	
-20	DC 11.73V	0.834	0.326	
-30	DC 11.73V	0.881	0.528	
Result	Pass			

UHF:

Analog:

(1) Frequency stability versus input voltage (Supply nominal voltage is 13.80V) **-45W-12.5KHz**

2) Frequency stability versus input voltage (Supply nominal voltage is 20.00V) 10% Error					
Environment Temperature(°C)	Power	Reference Frequency			Limit:
	(V)	400.025MHz	454.025MHz	479.975MHz	ppm
50	DC13.80 V	0.630	0.653	0.950	2.5
40	DC13.80 V	1.023	1.034	0.714	
30	DC13.80 V	0.802	0.990	0.997	
20	DC13.80 V	0.512	0.686	0.941	
10	DC13.80 V	0.732	0.990	0.672	
0	DC13.80 V	0.745	0.929	0.893	
-10	DC13.80 V	0.570	0.647	0.687	
-20	DC13.80 V	0.849	0.542	1.037	
-30	DC13.80 V	0.916	0.882	0.726	
Result	Pass				

(2) Frequency stability versus input voltage (Battery endpoint is 11.73V) **-45W-12.5KHz**

(2) Frequency Stability versus Input Voltage (Battery endpoint is 11.70V) 40W 22.00KHz					
Environment Temperature(°C)	Power Supply	Reference Frequency			Limit:
	(V)	400.025MHz	454.025MHz	479.975MHz	ppm
50	DC 11.73 V	0.663	0.557	0.551	2.5
40	DC 11.73 V	0.862	0.963	0.644	
30	DC 11.73 V	0.601	0.668	0.368	
20	DC 11.73 V	0.893	0.625	0.309	
10	DC 11.73 V	0.623	0.998	0.579	
0	DC 11.73 V	0.531	0.767	0.776	
-10	DC 11.73 V	0.466	0.381	0.738	
-20	DC 11.73 V	0.560	0.776	0.649	
-30	DC 11.73 V	0.498	0.351	0.543	
Result	Pass				

(3) Frequency stability versus input voltage (Supply nominal voltage is 13.80V)-**25W-12.5KHz**

Environment Temperature(°C)	Power	Reference Frequency			Limit:
	(V)	400.025MHz	454.025MHz	479.975MHz	ppm
50	DC13.80 V	0.400	0.653	0.970	2.5
40	DC13.80 V	0.679	0.856	0.725	
30	DC13.80 V	0.800	0.531	0.970	
20	DC13.80 V	0.835	0.991	0.980	
10	DC13.80 V	0.598	0.997	1.098	
0	DC13.80 V	0.670	0.614	0.787	
-10	DC13.80 V	0.691	0.988	0.984	
-20	DC13.80 V	1.100	1.077	1.022	
-30	DC13.80 V	0.798	0.561	0.675	
Result	Pass				

(4) Frequency stability versus input voltage (Battery endpoint is 11.73V) -**25W-12.5KHz**

Environment Temperature(°C)	Power	Reference Frequency			Limit:
	(V)	400.025MHz	454.025MHz	479.975MHz	ppm
50	DC 11.73V	0.449	0.758	0.327	2.5
40	DC 11.73V	0.800	0.566	0.655	
30	DC 11.73V	0.930	0.454	0.531	
20	DC 11.73V	0.514	0.722	0.663	
10	DC 11.73V	0.788	0.931	0.833	
0	DC 11.73V	0.349	0.584	0.557	
-10	DC 11.73V	0.561	0.653	0.845	
-20	DC 11.73V	0.485	0.866	0.755	
-30	DC 11.73V	0.979	0.769	0.338	
Result	Pass				

(5) Frequency stability versus input voltage (Supply nominal voltage is 13.80V)-10W-12.5KHz

Environment Temperature(℃)	Power	Reference Frequency			Limit:
	(V)	400.025MHz	454.025MHz	479.975MHz	ppm
50	DC13.80 V	0.728	0.653	0.647	2.5
40	DC13.80 V	0.947	0.986	0.764	
30	DC13.80 V	0.847	0.600	1.069	
20	DC13.80 V	0.812	0.846	0.689	
10	DC13.80 V	0.721	0.730	1.037	
0	DC13.80 V	1.057	0.815	0.523	
-10	DC13.80 V	0.744	0.956	1.021	
-20	DC13.80 V	0.893	0.821	0.902	
-30	DC13.80 V	0.919	0.840	0.810	
Result	Pass				

(6) Frequency stability versus input voltage (Battery endpoint is 11.73V) -10W-12.5KHz

Environment Temperature(℃)	Power Supply	Reference Frequency			Limit:
	(V)	400.025MHz	454.025MHz	479.975MHz	ppm
50	DC 11.73 V	0.929	0.352	0.772	2.5
40	DC 11.73 V	0.446	0.597	0.930	
30	DC 11.73 V	0.439	0.674	0.526	
20	DC 11.73 V	0.562	0.362	0.777	
10	DC 11.73 V	0.752	0.425	0.386	
0	DC 11.73 V	0.796	0.448	0.314	
-10	DC 11.73 V	0.311	0.525	0.839	
-20	DC 11.73 V	0.629	0.648	0.972	
-30	DC 11.73 V	0.407	0.612	0.486	
Result	Pass				

(7) Frequency stability versus input voltage (Supply nominal voltage is 13.80V)-**1W-12.5KHz**

(7) Frequency Stability versus Input Voltage (Supply Nominal Voltage is 10.80V) 2W 210KHz					
Environment Temperature(℃)	Power	Reference Frequency			Limit:
	(V)	400.025MHz	454.025MHz	479.975MHz	ppm
50	DC13.80 V	0.815	0.653	1.042	2.5
40	DC13.80 V	0.908	0.855	0.848	
30	DC13.80 V	1.057	1.079	0.826	
20	DC13.80 V	0.752	0.921	1.087	
10	DC13.80 V	0.814	0.787	0.964	
0	DC13.80 V	0.854	0.581	0.927	
-10	DC13.80 V	0.590	0.787	0.868	
-20	DC13.80 V	1.007	0.885	0.828	
-30	DC13.80 V	1.019	0.687	0.662	
Result	Pass				

(8) Frequency stability versus input voltage (Battery endpoint is 11.73V) -**1W-12.5KHz**

(C) Frequency Stability Versus Input Voltage (Battery endpoint is 11.73V) 1W 12.0KHz					
Environment Temperature(°C)	Power	Reference Frequency			Limit:
	(V)	400.025MHz	454.025MHz	479.975MHz	ppm
50	DC 11.73V	0.495	0.588	0.311	2.5
40	DC 11.73V	0.482	0.877	0.384	
30	DC 11.73V	0.410	0.300	0.977	
20	DC 11.73V	0.768	0.312	0.677	
10	DC 11.73V	0.393	0.863	0.428	
0	DC 11.73V	0.395	0.624	0.403	
-10	DC 11.73V	0.512	0.528	0.838	
-20	DC 11.73V	0.403	0.930	0.895	
-30	DC 11.73V	0.867	0.591	0.315	
Result	Pass				

Digital:**(1) Frequency stability versus input voltage (Supply nominal voltage is 13.80V)-45W-12.5KHz**

Environment Temperature(°C)	Power	Reference Frequency			Limit:
	(V)	400.025MHz	454.025MHz	479.975MHz	ppm
50	DC13.80 V	0.429	0.653	0.724	2.5
40	DC13.80 V	0.960	1.092	0.535	
30	DC13.80 V	0.544	0.654	0.640	
20	DC13.80 V	0.953	0.753	0.730	
10	DC13.80 V	0.577	0.519	0.676	
0	DC13.80 V	0.972	0.646	0.599	
-10	DC13.80 V	0.618	0.679	0.989	
-20	DC13.80 V	0.909	0.665	0.605	
-30	DC13.80 V	0.773	0.512	0.806	
Result	Pass				

(2) Frequency stability versus input voltage (Battery endpoint is 11.73V) -45W-12.5KHz

Environment Temperature(℃)	Power Supply	Reference Frequency			Limit:
	(V)	400.025MHz	454.025MHz	479.975MHz	ppm
50	DC 11.73 V	0.427	0.451	0.754	2.5
40	DC 11.73 V	0.429	0.835	0.979	
30	DC 11.73 V	0.872	0.798	0.665	
20	DC 11.73 V	0.317	0.402	0.917	
10	DC 11.73 V	0.684	0.620	0.309	
0	DC 11.73 V	0.800	0.761	0.396	
-10	DC 11.73 V	0.749	0.473	0.437	
-20	DC 11.73 V	0.835	0.636	0.422	
-30	DC 11.73 V	0.905	0.731	0.748	
Result	Pass				

(3) Frequency stability versus input voltage (Supply nominal voltage is 13.80V)-25W-12.5KHz

Environment Temperature(℃)	Power	Reference Frequency			Limit:
	(V)	400.025MHz	454.025MHz	479.975MHz	ppm
50	DC13.80 V	0.784	0.653	0.799	2.5
40	DC13.80 V	0.730	1.029	0.977	
30	DC13.80 V	0.590	0.501	0.970	
20	DC13.80 V	0.902	0.995	1.099	
10	DC13.80 V	0.900	0.724	0.906	
0	DC13.80 V	0.529	0.909	1.087	
-10	DC13.80 V	0.687	0.743	0.819	
-20	DC13.80 V	0.898	0.610	0.770	
-30	DC13.80 V	0.986	0.599	0.790	
Result	Pass				

(4) Frequency stability versus input voltage (Battery endpoint is 11.73V) -25W-12.5KHz

Environment Temperature(°C)	Power	Reference Frequency			Limit:
	(V)	400.025MHz	454.025MHz	479.975MHz	ppm
50	DC 11.73V	0.660	0.658	0.626	2.5
40	DC 11.73V	0.870	0.805	0.885	
30	DC 11.73V	0.361	0.841	0.881	
20	DC 11.73V	0.329	0.921	0.530	
10	DC 11.73V	0.595	0.432	0.770	
0	DC 11.73V	0.786	0.647	0.323	
-10	DC 11.73V	0.646	0.668	0.709	
-20	DC 11.73V	0.630	0.811	0.729	
-30	DC 11.73V	0.729	0.824	0.872	
Result	Pass				

(5) Frequency stability versus input voltage (Supply nominal voltage is 13.80V)-10W-12.5KHz

Environment Temperature(°C)	Power	Reference Frequency			Limit:
	(V)	400.025MHz	454.025MHz	479.975MHz	ppm
50	DC13.80 V	0.912	0.653	0.981	2.5
40	DC13.80 V	0.907	0.640	0.808	
30	DC13.80 V	0.819	0.677	0.829	
20	DC13.80 V	0.643	0.837	1.040	
10	DC13.80 V	0.615	0.549	0.813	
0	DC13.80 V	0.505	0.720	0.972	
-10	DC13.80 V	0.712	1.095	1.058	
-20	DC13.80 V	0.721	1.036	0.801	
-30	DC13.80 V	0.886	0.645	0.718	
Result	Pass				

(6) Frequency stability versus input voltage (Battery endpoint is 11.73V) -10W-12.5KHz

Environment Temperature(℃)	Power Supply	Reference Frequency			Limit:
	(V)	400.025MHz	454.025MHz	479.975MHz	ppm
50	DC 11.73 V	0.455	0.989	0.956	2.5
40	DC 11.73 V	0.651	0.393	0.843	
30	DC 11.73 V	0.378	0.593	0.747	
20	DC 11.73 V	0.847	0.792	0.771	
10	DC 11.73 V	0.451	0.801	0.688	
0	DC 11.73 V	0.934	0.743	0.818	
-10	DC 11.73 V	0.825	0.500	0.399	
-20	DC 11.73 V	0.849	0.883	0.300	
-30	DC 11.73 V	0.628	0.662	0.476	
Result	Pass				

(7) Frequency stability versus input voltage (Supply nominal voltage is 13.80V)-**1W-12.5KHz**

(7) Frequency Stability Versus Input Voltage (Supply nominal voltage is 10.80V) 1W 200KHz					
Environment Temperature(°C)	Power	Reference Frequency			Limit:
	(V)	400.025MHz	454.025MHz	479.975MHz	ppm
50	DC13.80 V	0.395	0.653	0.901	2.5
40	DC13.80 V	0.784	0.963	0.538	
30	DC13.80 V	1.069	0.694	0.505	
20	DC13.80 V	0.614	0.795	0.727	
10	DC13.80 V	0.733	0.835	0.566	
0	DC13.80 V	0.566	0.752	1.044	
-10	DC13.80 V	0.868	0.782	0.642	
-20	DC13.80 V	0.866	0.820	1.092	
-30	DC13.80 V	1.099	0.585	0.506	
Result	Pass				

(8) Frequency stability versus input voltage (Battery endpoint is 11.73V) -**1W-12.5KHz**

(c) Frequency Stability Versus Input Voltage (Battery endpoint is 11.73V) 1W 12.0KHz					
Environment Temperature(°C)	Power	Reference Frequency			Limit:
	(V)	400.025MHz	454.025MHz	479.975MHz	ppm
50	DC 11.73V	0.320	0.874	0.805	2.5
40	DC 11.73V	0.497	0.475	0.624	
30	DC 11.73V	0.578	0.836	0.326	
20	DC 11.73V	0.616	0.575	0.942	
10	DC 11.73V	0.818	0.509	0.394	
0	DC 11.73V	0.854	0.395	0.721	
-10	DC 11.73V	0.384	0.973	0.892	
-20	DC 11.73V	0.759	0.380	0.909	
-30	DC 11.73V	0.829	0.486	0.457	
Result	Pass				

7. EMISSION BANDWIDTH

7.1 PROVISIONS APPLICABLE

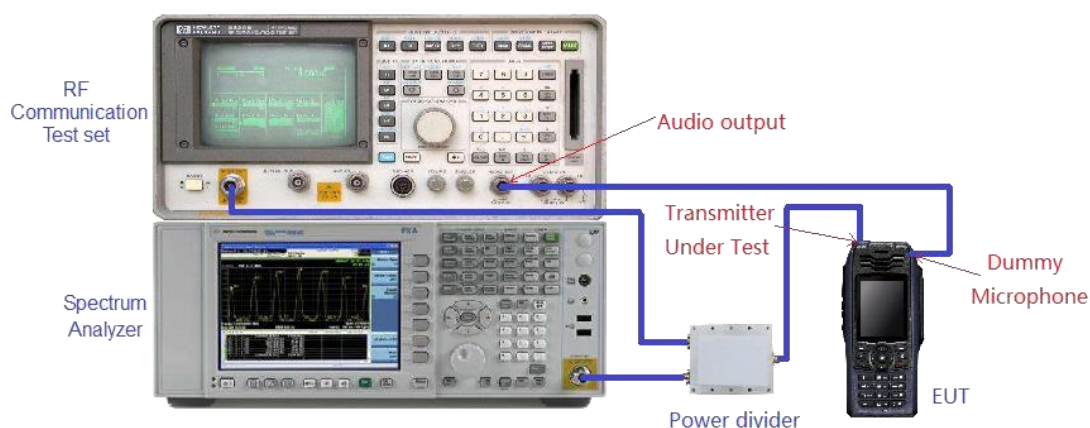
FCC Part 90 & FCC Part 22:

The authorized bandwidth shall be 11.25 KHz for 12.5 KHz channel separation and 6 KHz for 6.25 KHz channel separation.

7.2 MEASUREMENT PROCEDURE

- 1). The EUT was placed on a turn table which is 0.8m above ground plane.
- 2). The EUT was modulated by 2.5 KHz Sine wave audio signal, The level of the audio signal employed is 16 dB greater than that necessary to produce 50% of rated system deviation. Rated system deviation is 2.5 kHz (12.5 kHz channel spacing).
- 3). Set SPA Center Frequency = fundamental frequency, RBW=100Hz.VBW= 300 Hz, Span =50 KHz.
- 4). Set SPA Max hold. Mark peak, -26 dB.

7.3 TEST SETUP BLOCK DIAGRAM



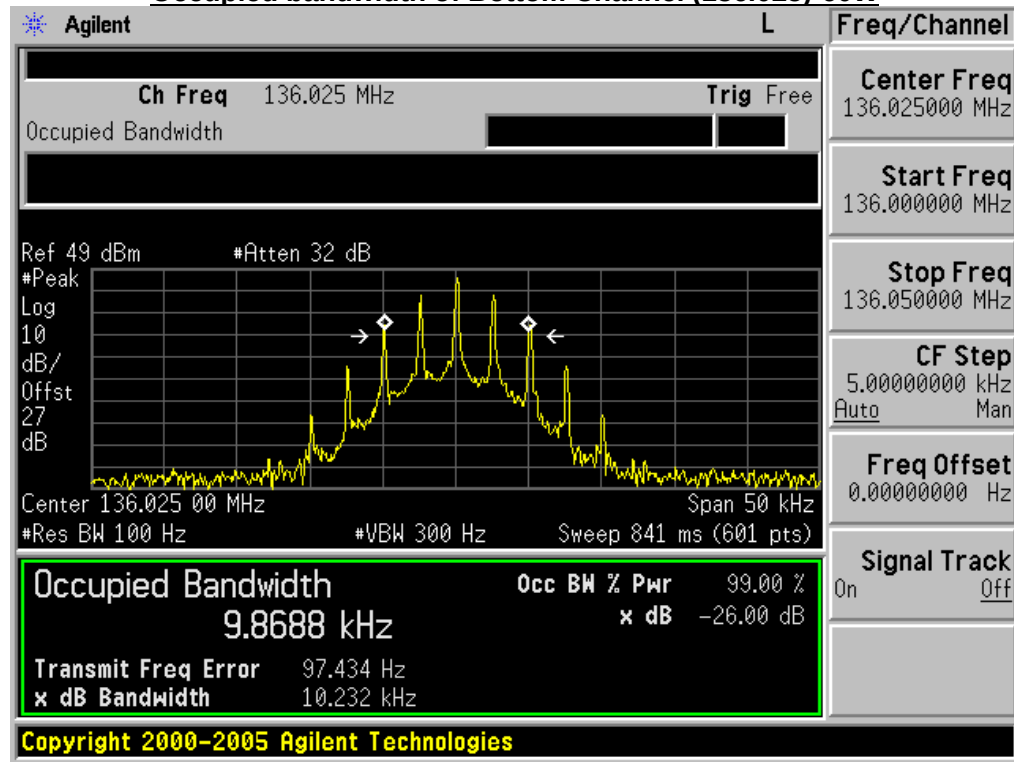
7.4 MEASUREMENT RESULT

VHF:

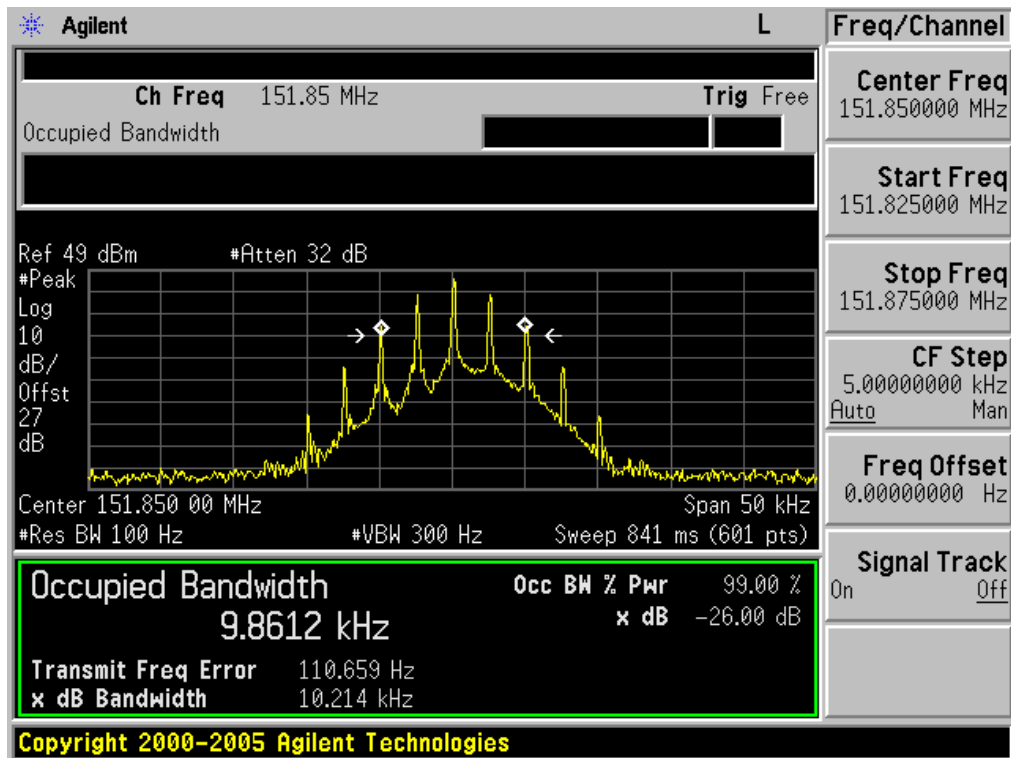
Analog:12.5KHz

26 dB Bandwidth Measurement Result			
Operating Frequency	12.5 KHz Channel Separation		
	Test Data	Limits	Result
136.025MHz	10.232 KHz	11.25 KHz	Pass
151.850MHz	10.214 KHz	11.25 KHz	Pass
155.025MHz	10.209 KHz	11.25 KHz	Pass
161.610MHz	10.208 KHz	11.25 KHz	Pass
173.975MHz	10.202 KHz	11.25 KHz	Pass

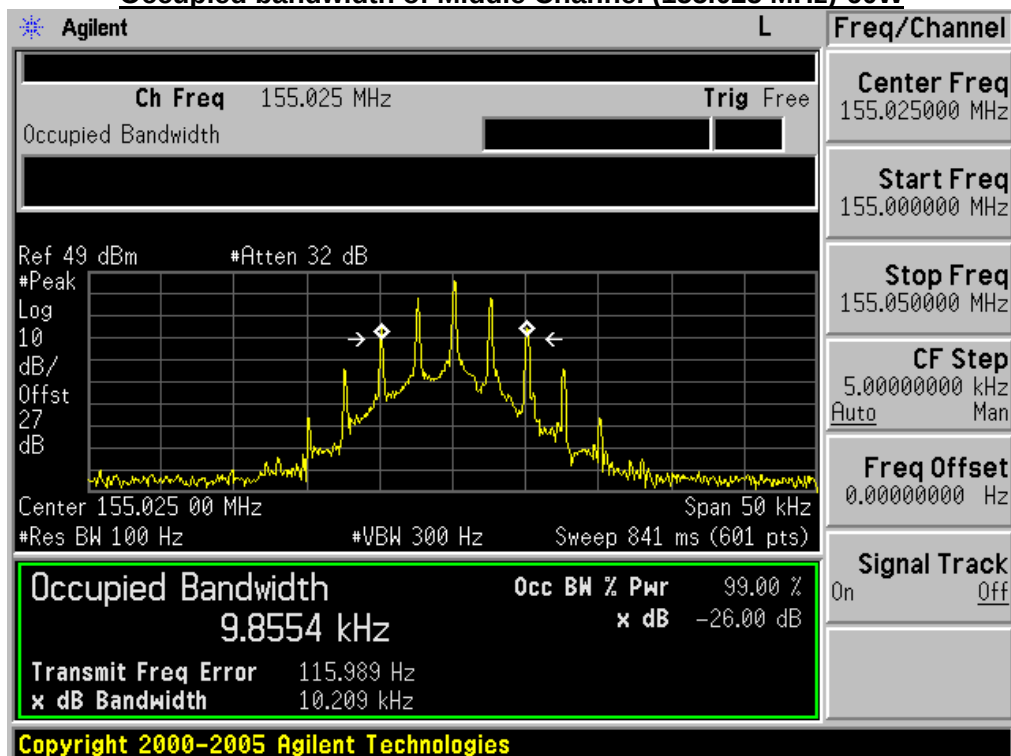
Occupied bandwidth of Bottom Channel (136.025)-60W



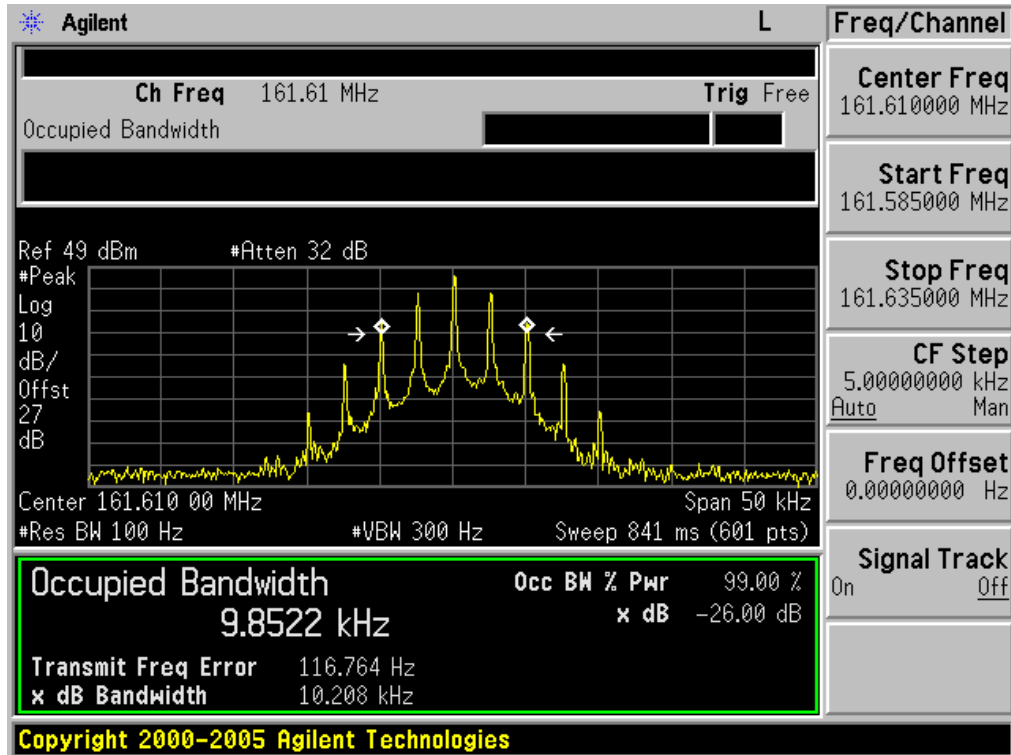
Occupied bandwidth of Middle Channel (151.850 MHz)-60W



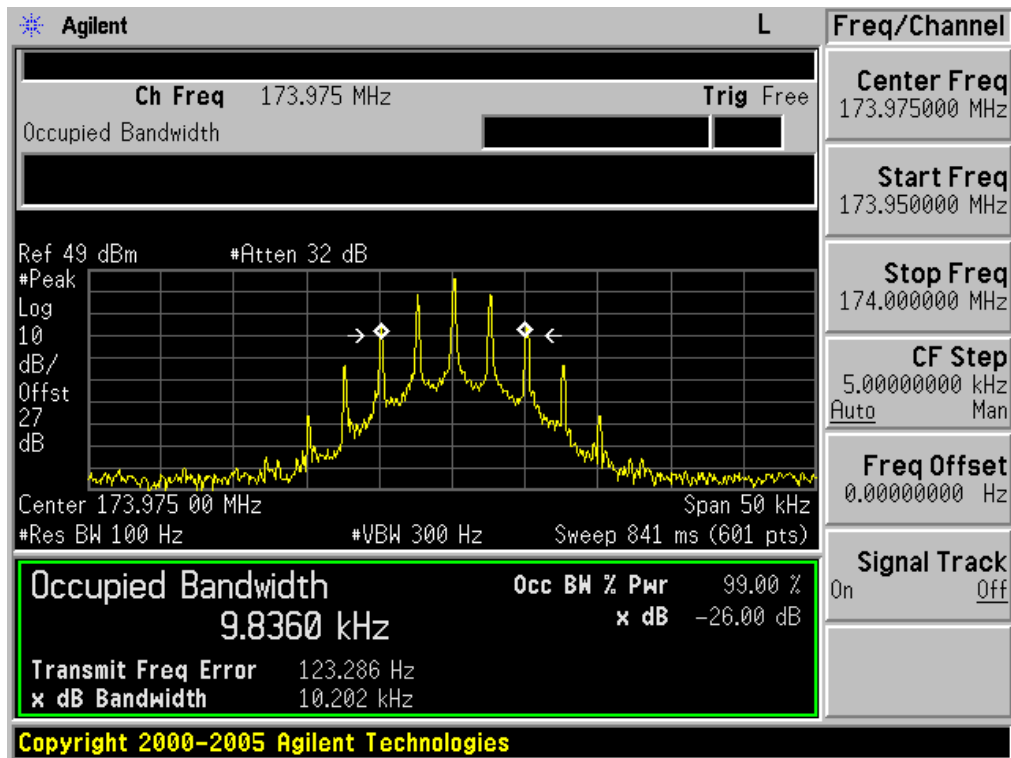
Occupied bandwidth of Middle Channel (155.025 MHz)-60W



Occupied bandwidth of Middle Channel (161.610 MHz)-60W

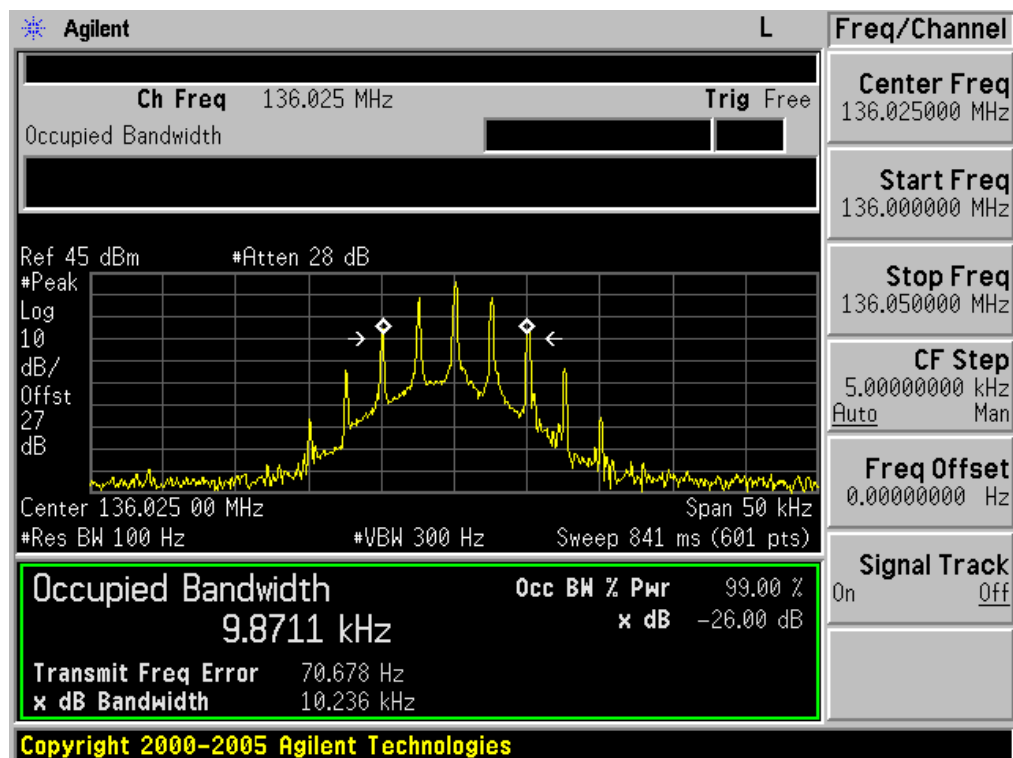


Occupied bandwidth of Top Channel (173.975 MHz)-60W

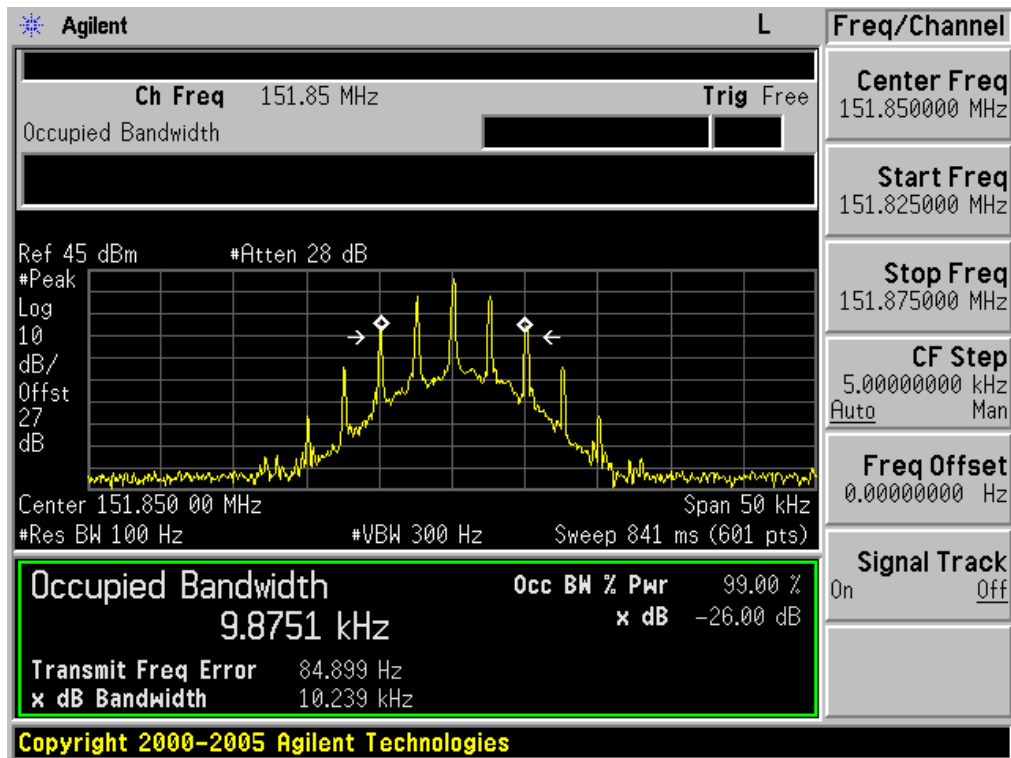


26 dB Bandwidth Measurement Result			
Operating Frequency	12.5 KHz Channel Separation		
	Test Data	Limits	Result
136.025MHz	10.236 KHz	11.25 KHz	Pass
151.850MHz	10.239 KHz	11.25 KHz	Pass
155.025MHz	10.242 KHz	11.25 KHz	Pass
161.610MHz	10.237 KHz	11.25 KHz	Pass
173.975MHz	10.238 KHz	11.25 KHz	Pass

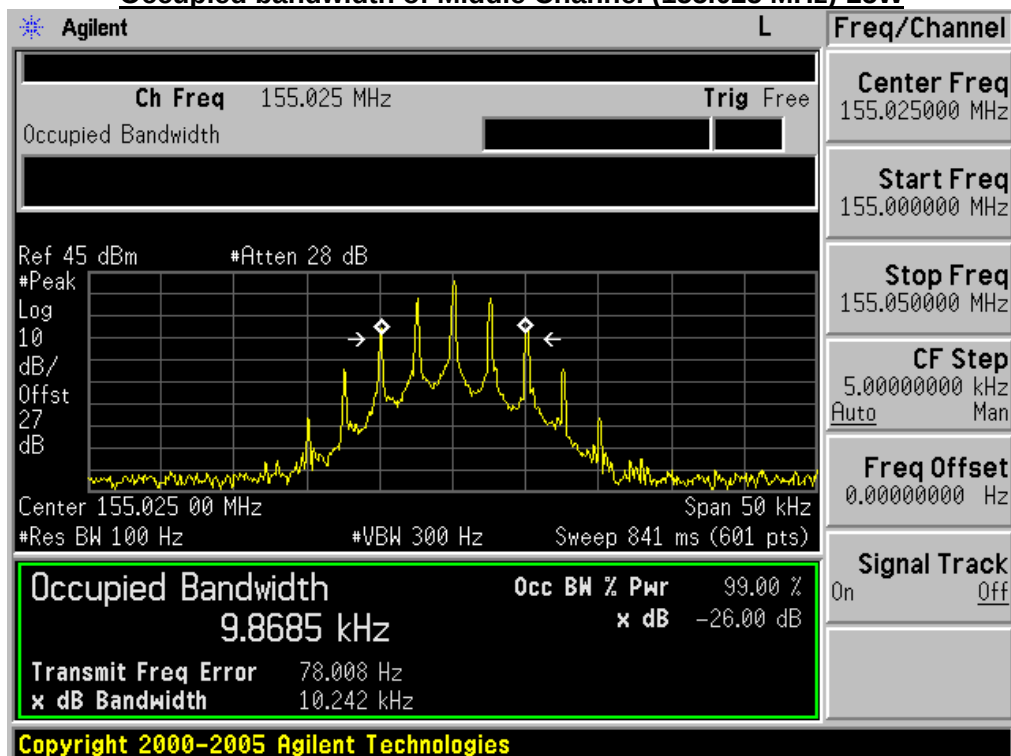
Occupied bandwidth of Bottom Channel (136.025)-25W



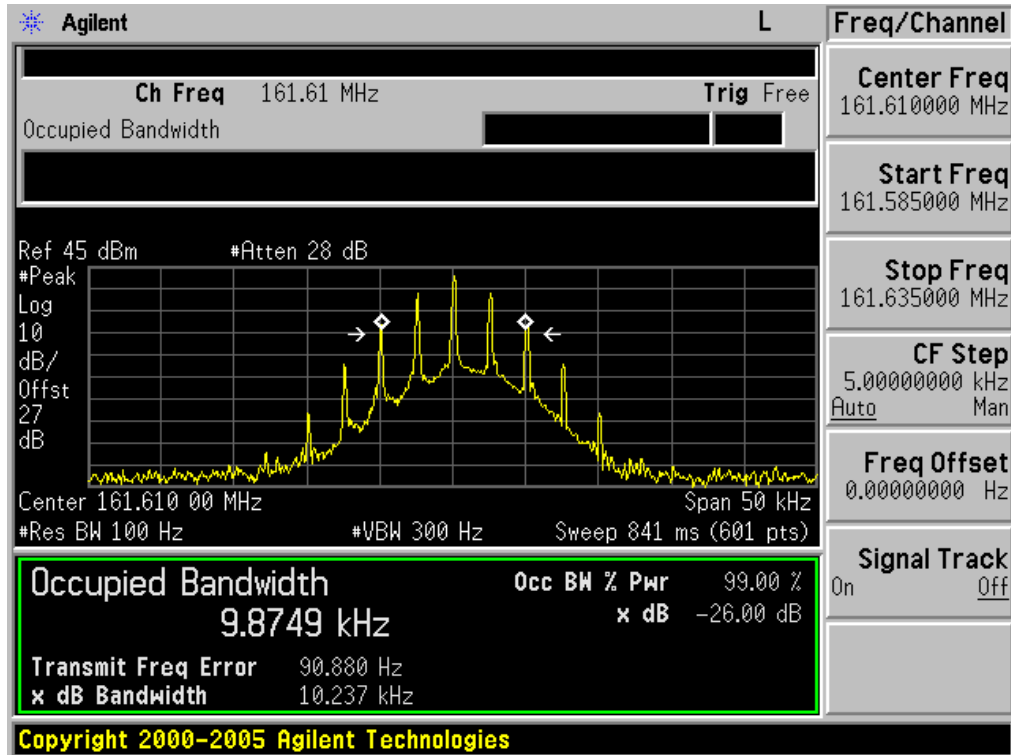
Occupied bandwidth of Middle Channel (151.850 MHz)-25W



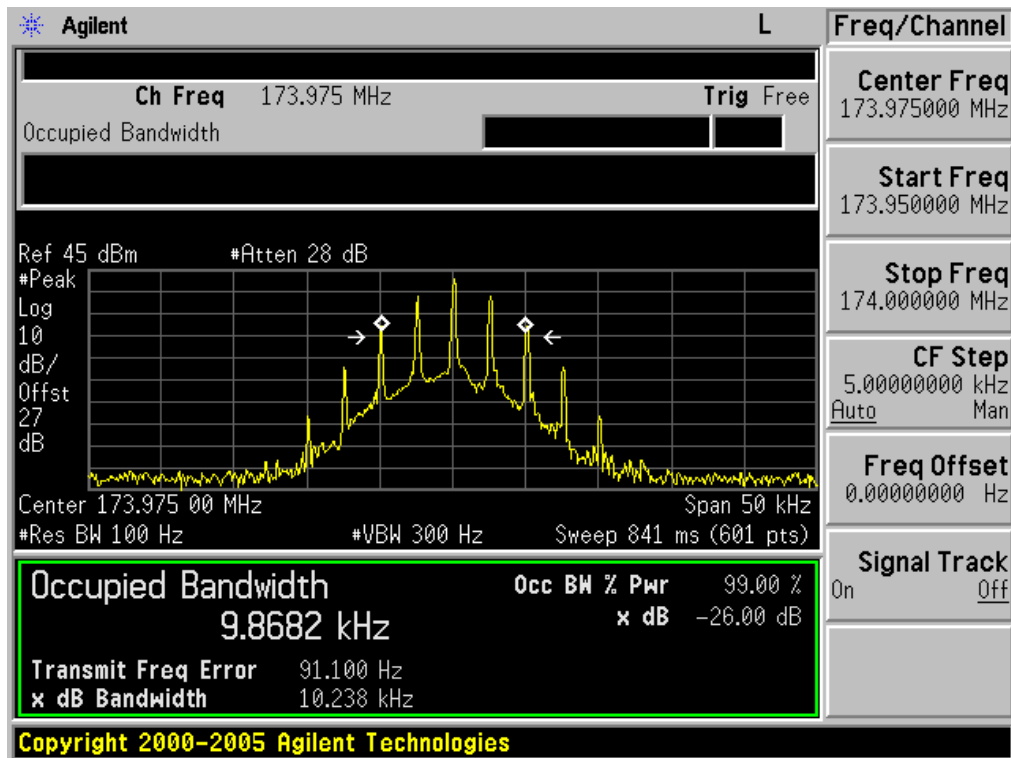
Occupied bandwidth of Middle Channel (155.025 MHz)-25W



Occupied bandwidth of Middle Channel (161.610 MHz)-25W

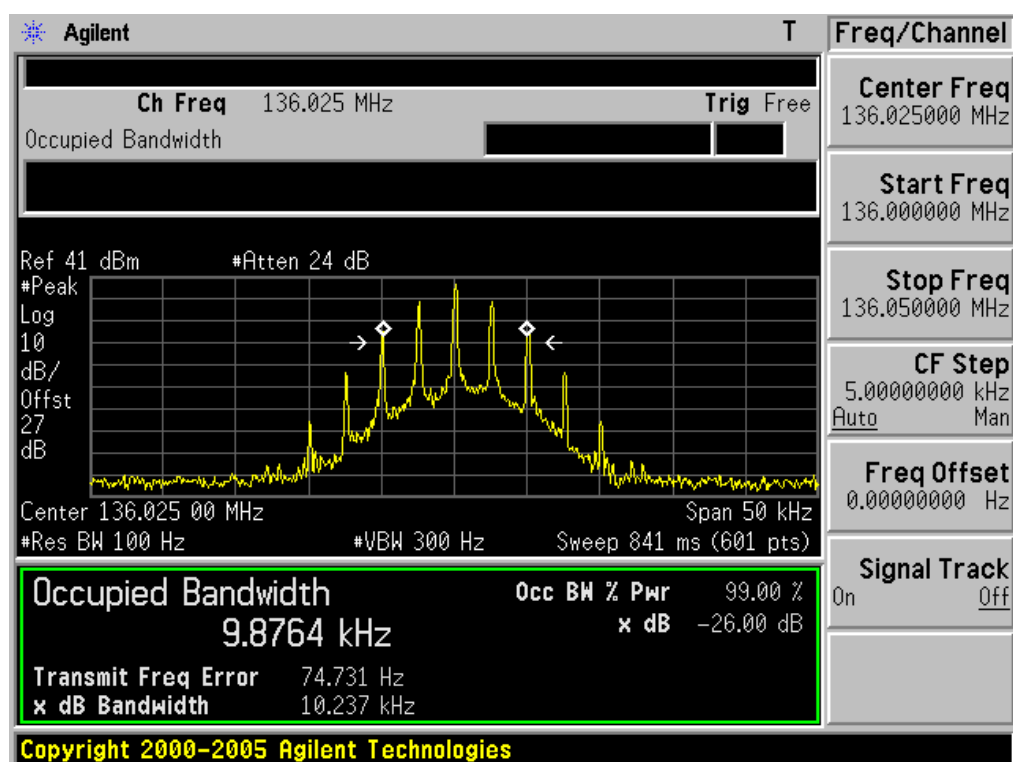


Occupied bandwidth of Top Channel (173.975 MHz)-25W

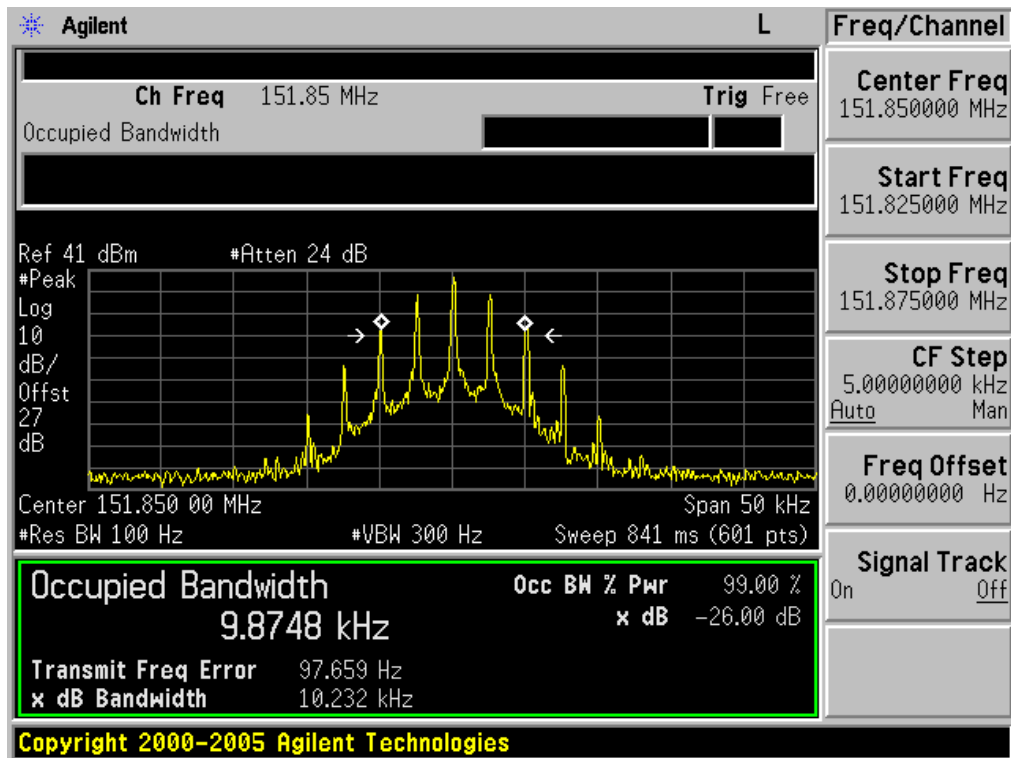


26 dB Bandwidth Measurement Result			
Operating Frequency	12.5 KHz Channel Separation		
	Test Data	Limits	Result
136.025MHz	10.237 KHz	11.25 KHz	Pass
151.850MHz	10.232 KHz	11.25 KHz	Pass
155.025MHz	10.235 KHz	11.25 KHz	Pass
161.610MHz	10.228 KHz	11.25 KHz	Pass
173.975MHz	10.226 KHz	11.25 KHz	Pass

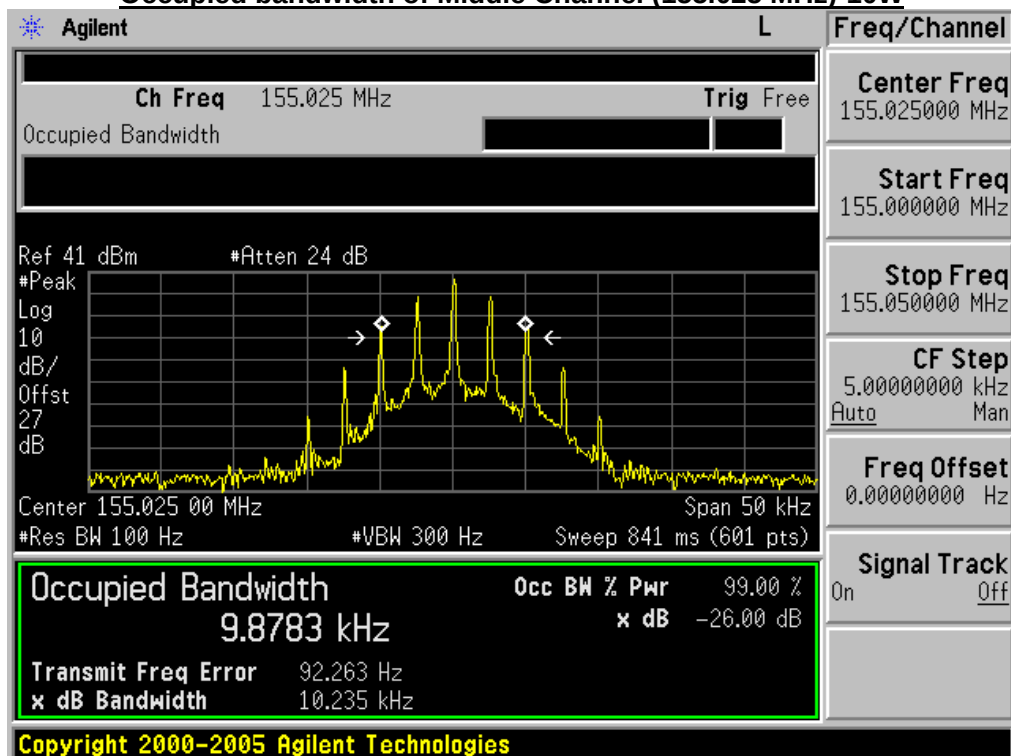
Occupied bandwidth of Bottom Channel (136.025)-10W



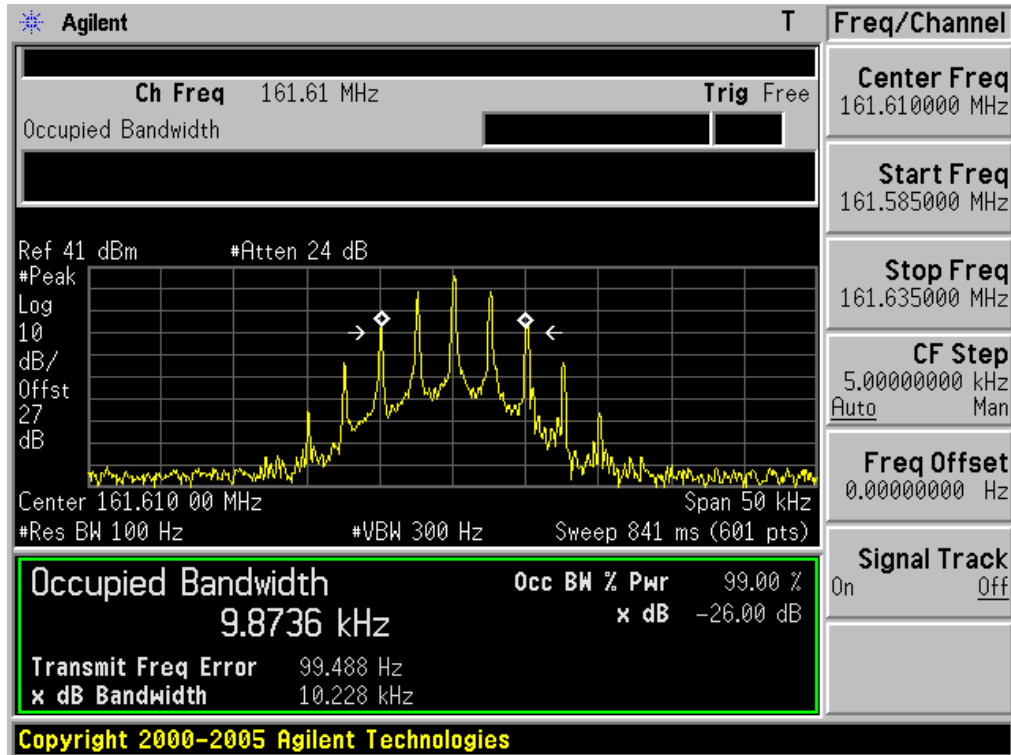
Occupied bandwidth of Middle Channel (151.850 MHz)-10W



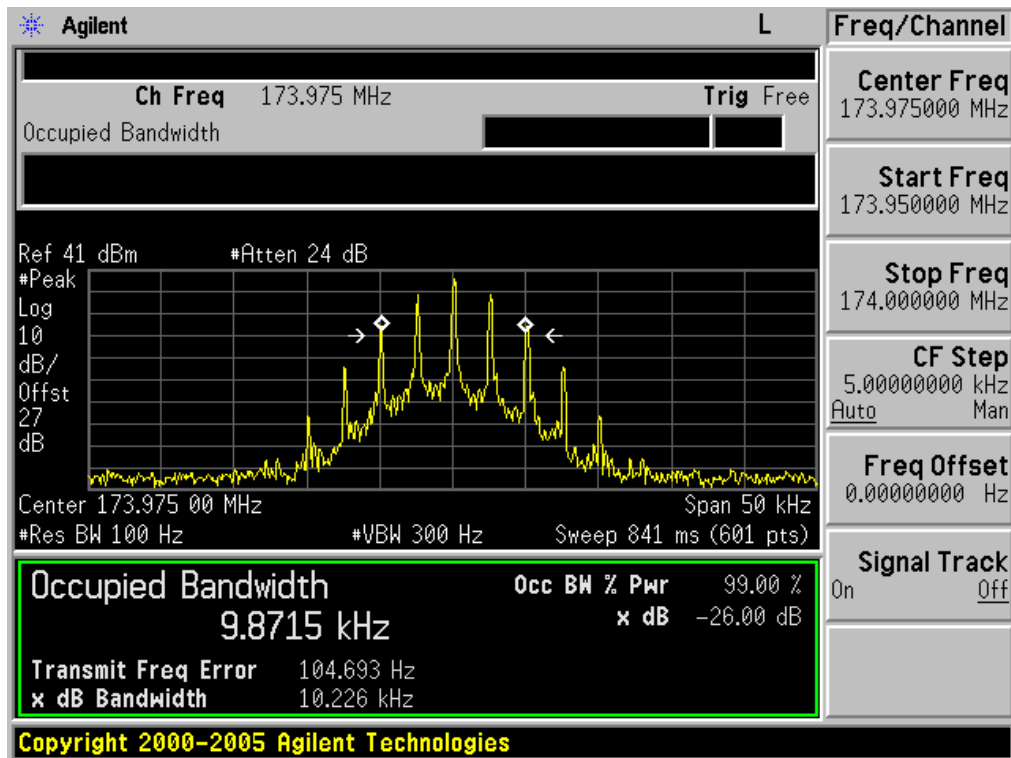
Occupied bandwidth of Middle Channel (155.025 MHz)-10W



Occupied bandwidth of Middle Channel (161.610 MHz)-10W

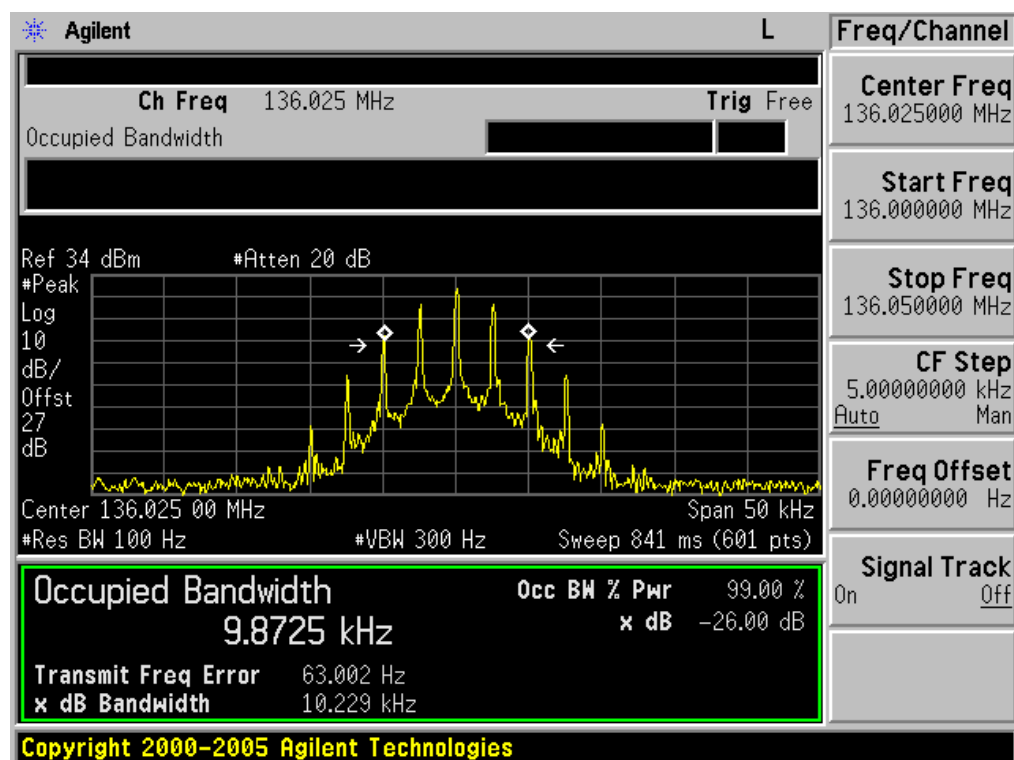


Occupied bandwidth of Top Channel (173.975 MHz)-10W

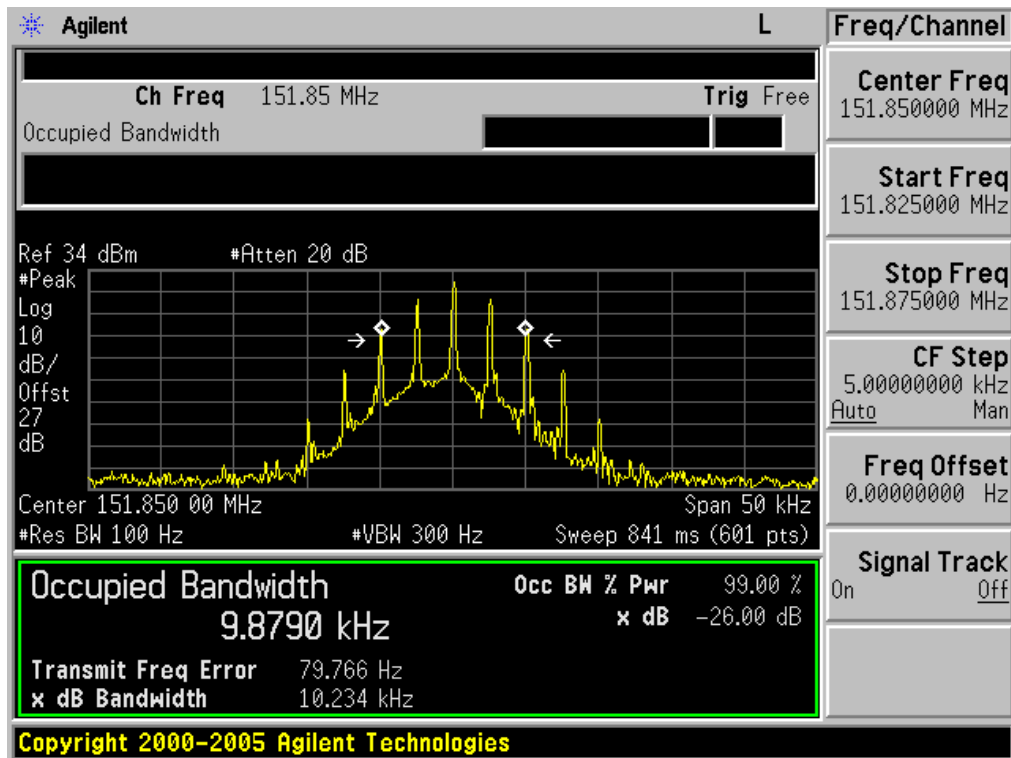


26 dB Bandwidth Measurement Result			
Operating Frequency	12.5 KHz Channel Separation		
	Test Data	Limits	Result
136.025MHz	10.229 KHz	11.25 KHz	Pass
151.850MHz	10.234 KHz	11.25 KHz	Pass
155.025MHz	10.235 KHz	11.25 KHz	Pass
161.610MHz	10.236 KHz	11.25 KHz	Pass
173.975MHz	10.228 KHz	11.25 KHz	Pass

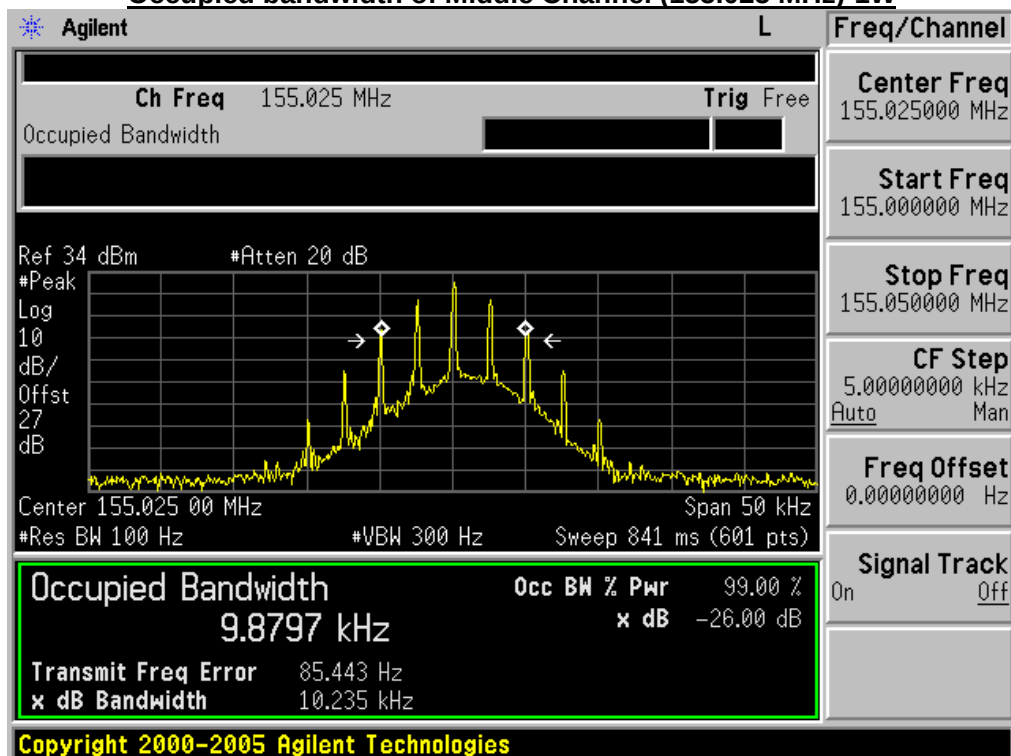
Occupied bandwidth of Bottom Channel (136.025)-1W



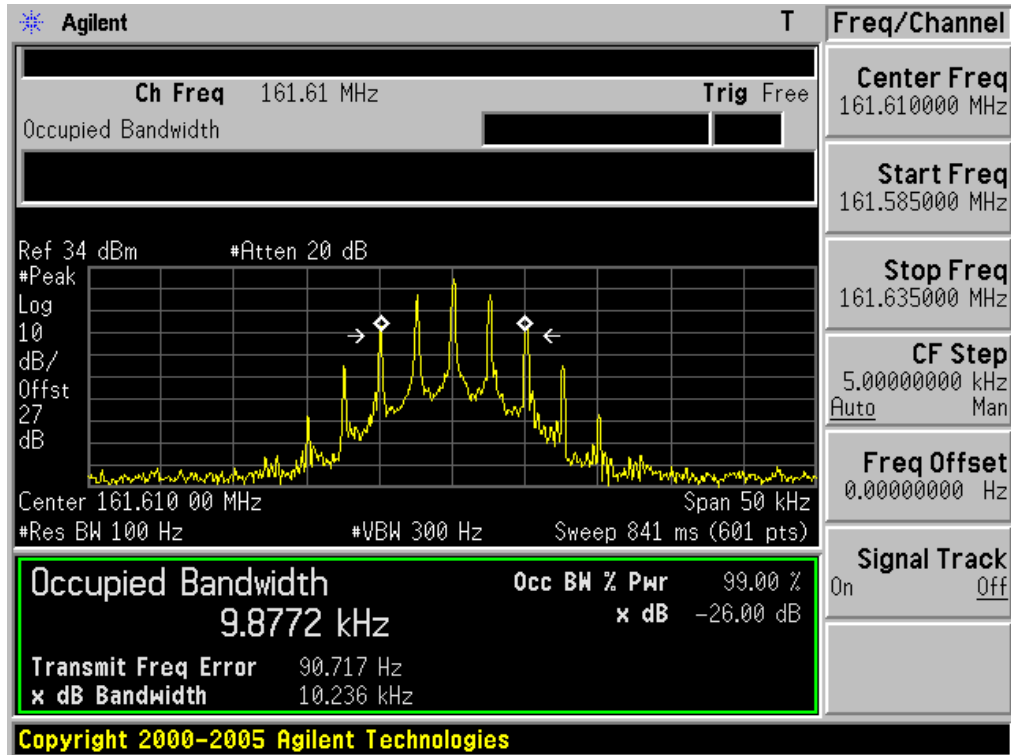
Occupied bandwidth of Middle Channel (151.850 MHz)-1W



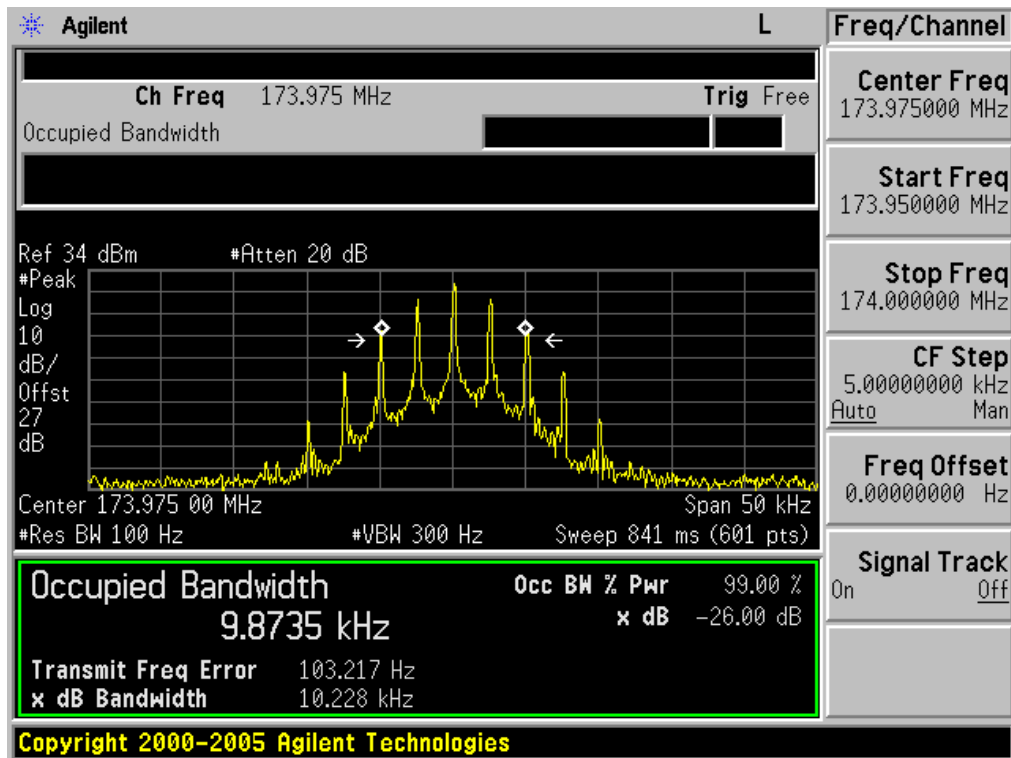
Occupied bandwidth of Middle Channel (155.025 MHz)-1W



Occupied bandwidth of Middle Channel (161.610 MHz)-1W



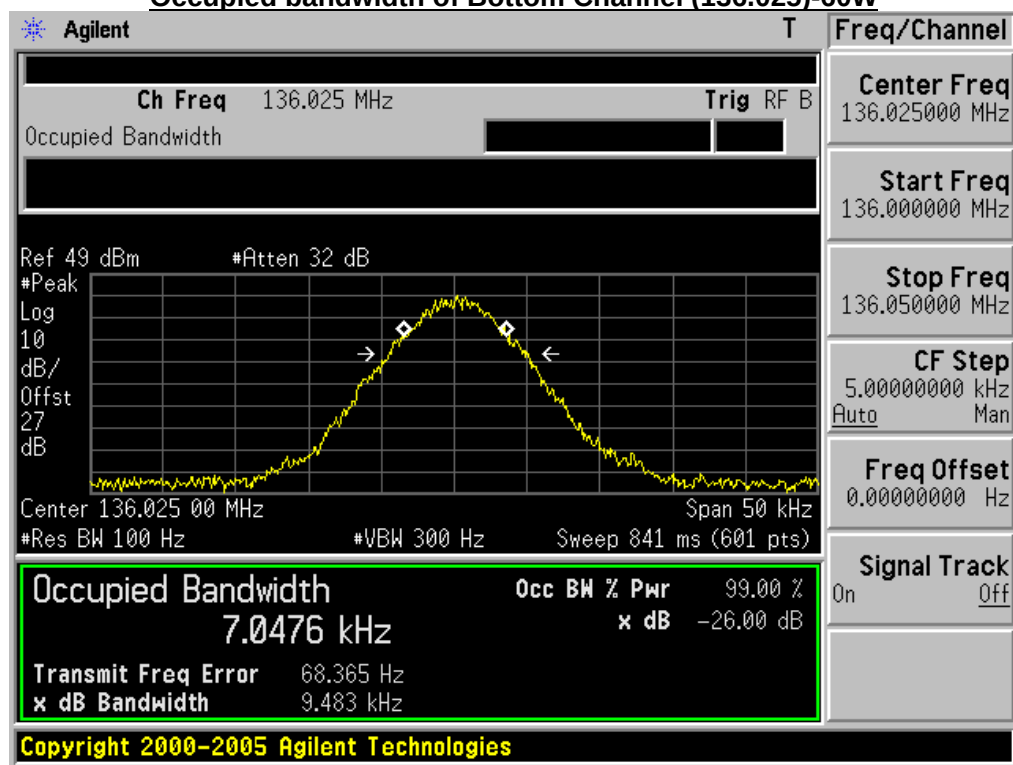
Occupied bandwidth of Top Channel (173.975 MHz)-1W



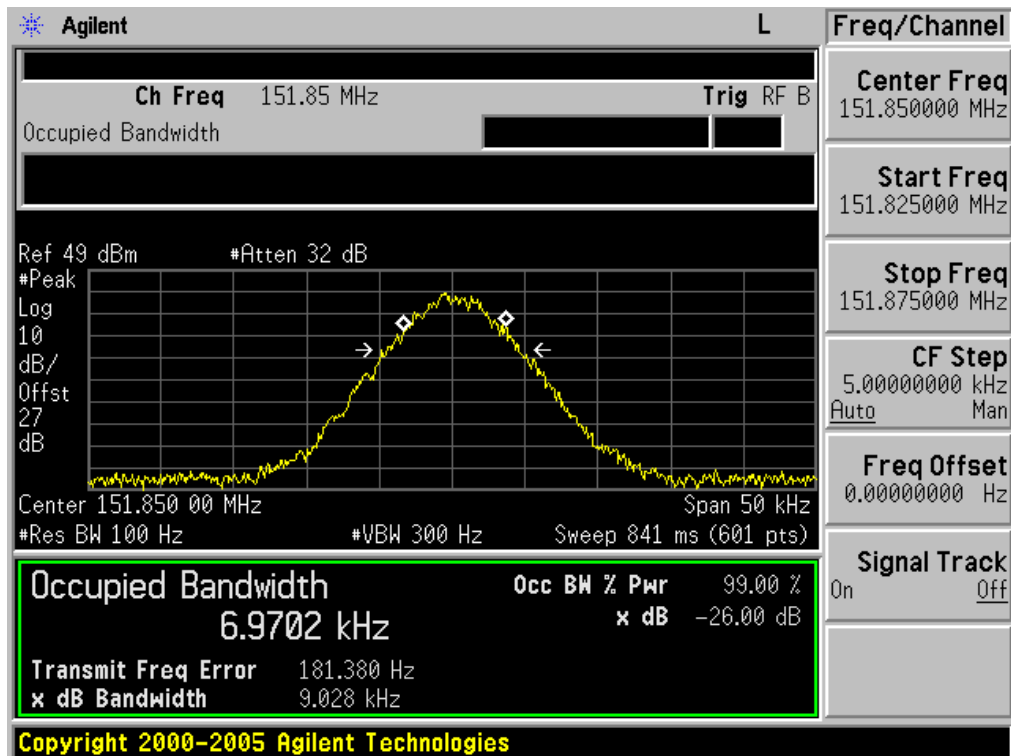
Digital:
VHF:
TEST RESULTS

26 dB Bandwidth Measurement Result			
Operating Frequency	12.5 KHz Channel Separation		
	Test Data	Limits	Result
136.025MHz	9.483 KHz	11.25 KHz	Pass
151.850MHz	9.028 KHz	11.25 KHz	Pass
155.025MHz	8.969 KHz	11.25 KHz	Pass
161.610MHz	10.078 KHz	11.25 KHz	Pass
173.975MHz	9.120 KHz	11.25 KHz	Pass

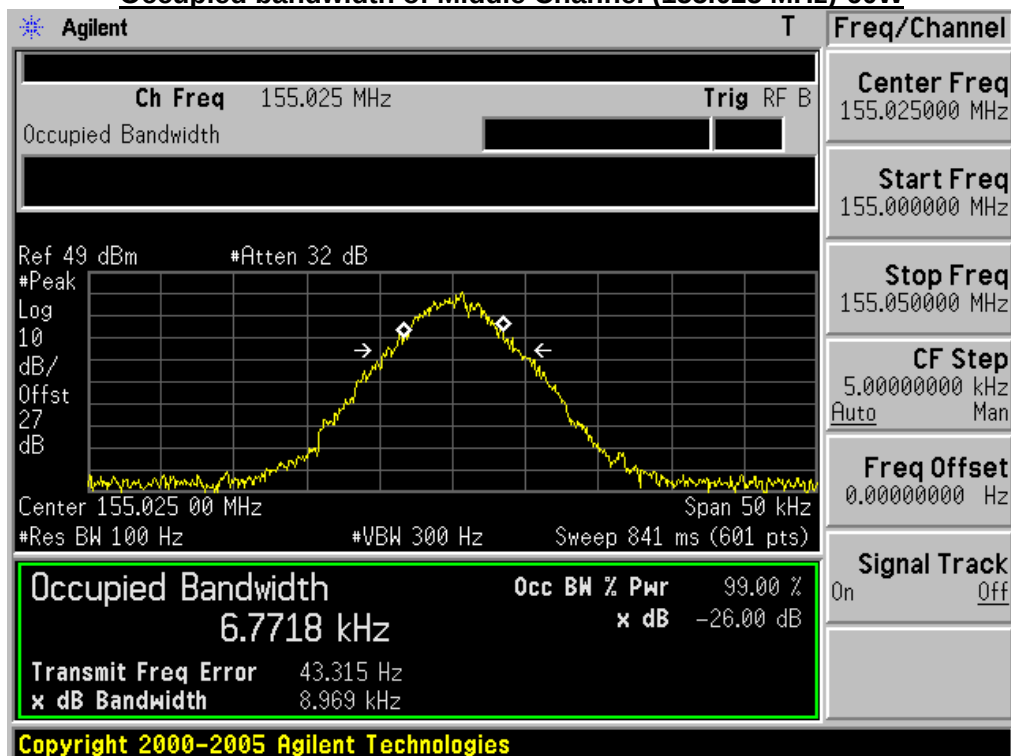
Occupied bandwidth of Bottom Channel (136.025)-60W



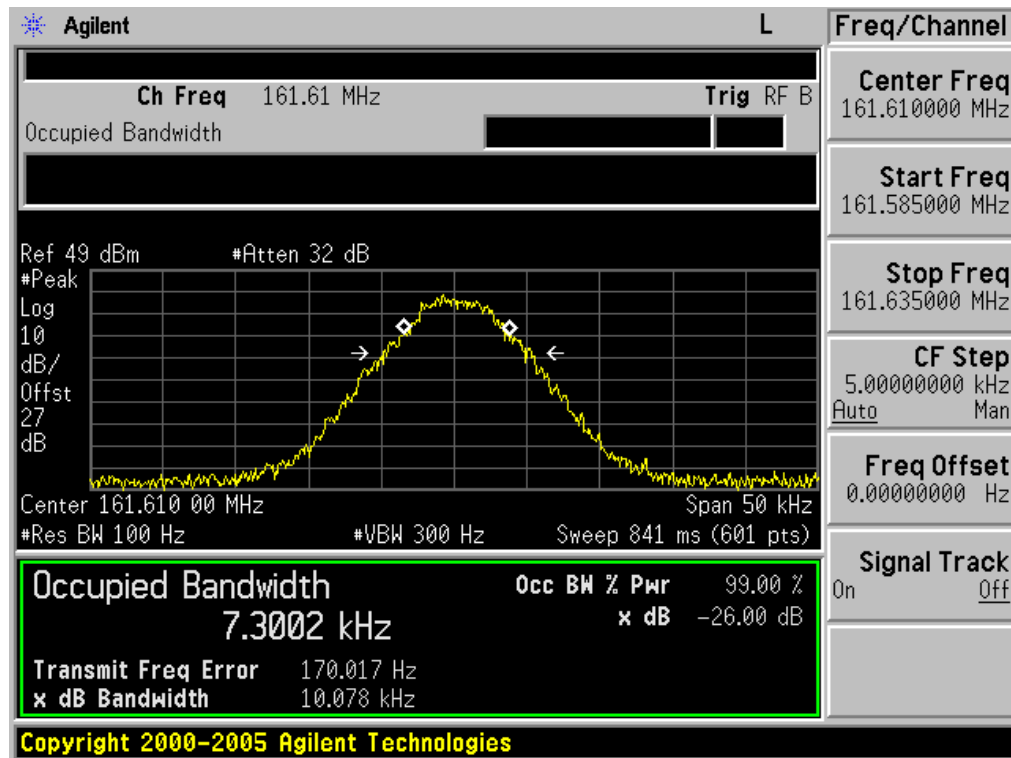
Occupied bandwidth of Middle Channel (151.850 MHz)-60W



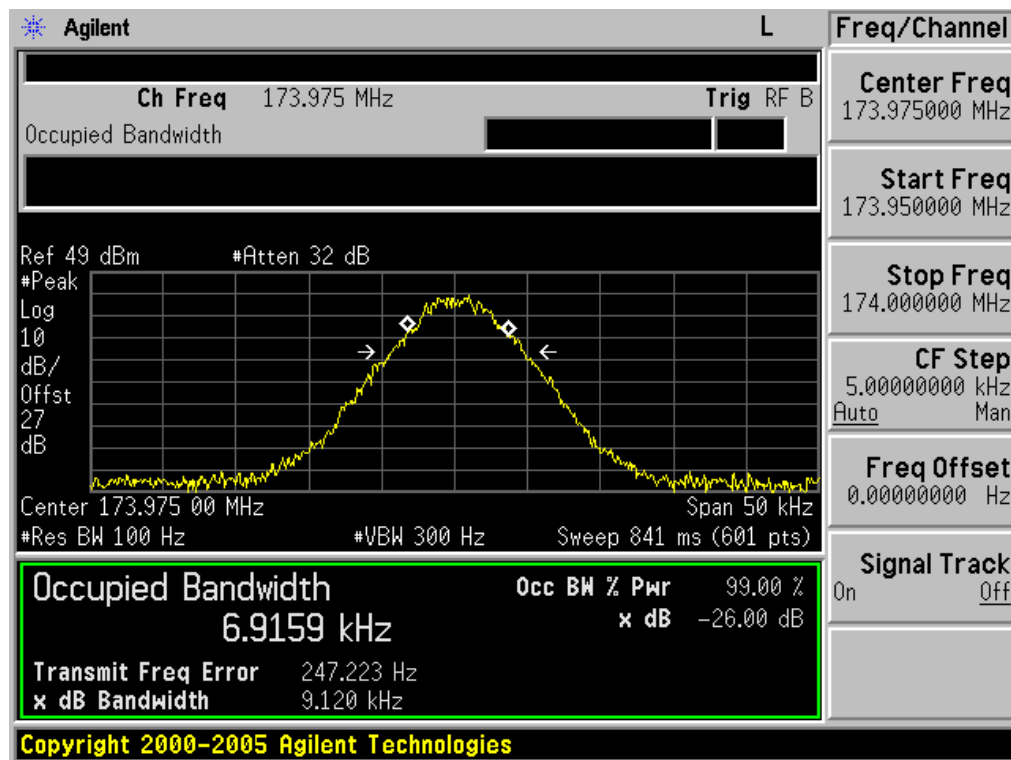
Occupied bandwidth of Middle Channel (155.025 MHz)-60W



Occupied bandwidth of Middle Channel (161.610 MHz)-60W

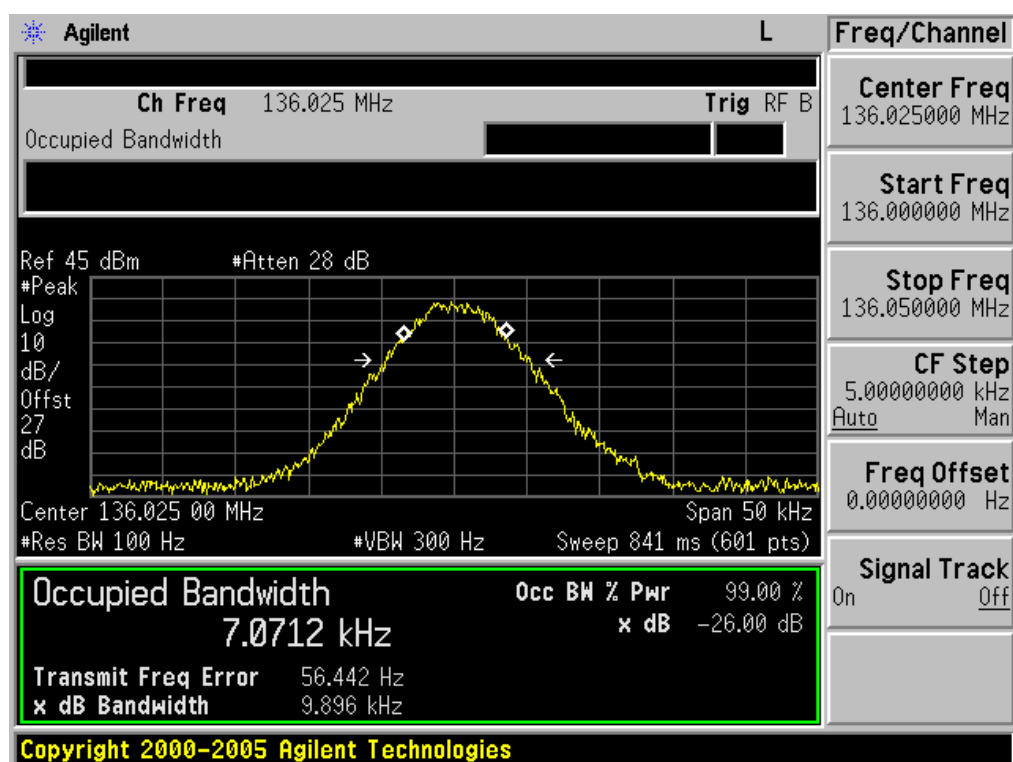


Occupied bandwidth of Top Channel (173.975 MHz)-60W

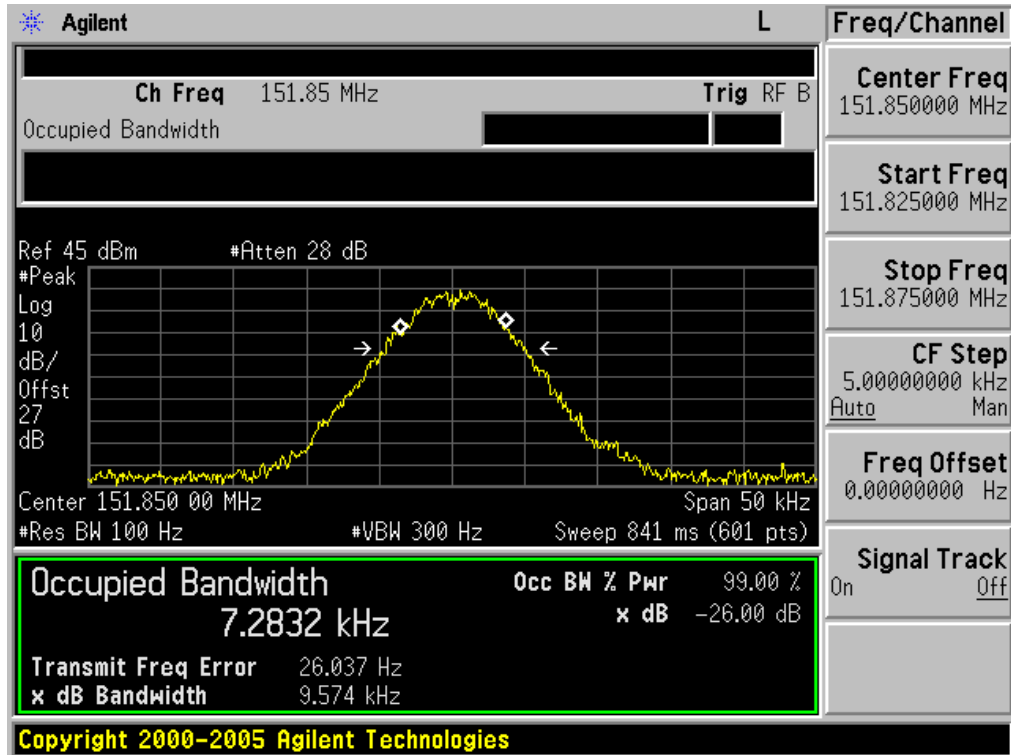


26 dB Bandwidth Measurement Result			
Operating Frequency	12.5 KHz Channel Separation		
	Test Data	Limits	Result
136.025MHz	9.896 KHz	11.25 KHz	Pass
151.850MHz	9.574 KHz	11.25 KHz	Pass
155.025MHz	9.623 KHz	11.25 KHz	Pass
161.610MHz	9.875 KHz	11.25 KHz	Pass
173.975MHz	9.667 KHz	11.25 KHz	Pass

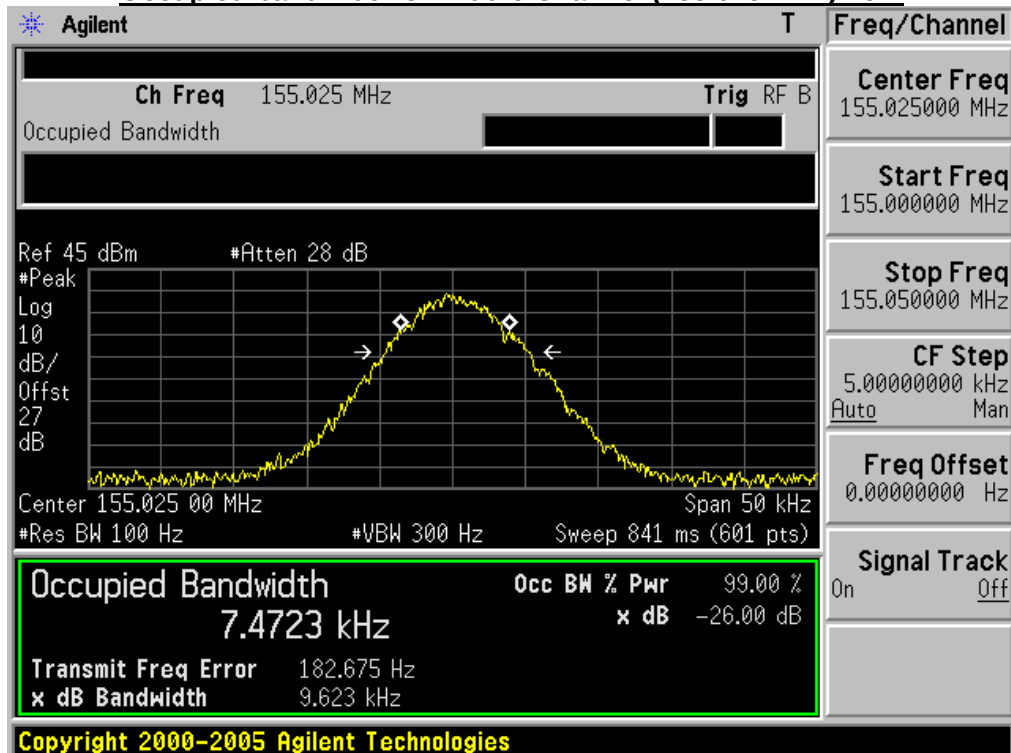
Occupied bandwidth of Bottom Channel (136.025)-25W



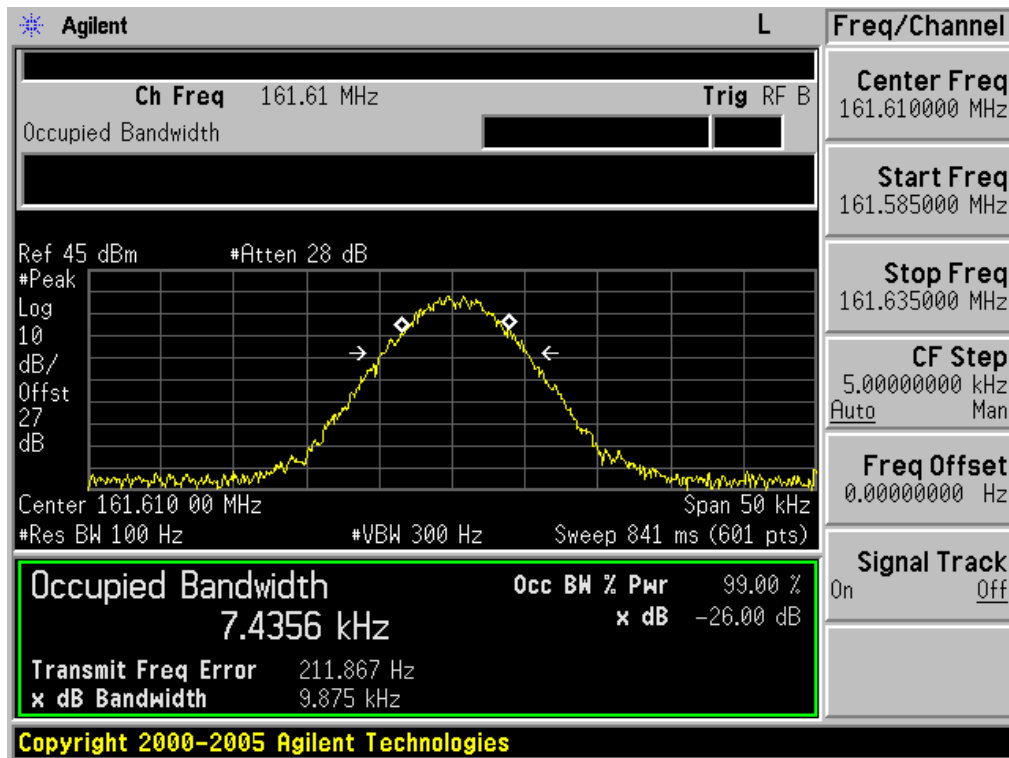
Occupied bandwidth of Middle Channel (151.850 MHz)-25W



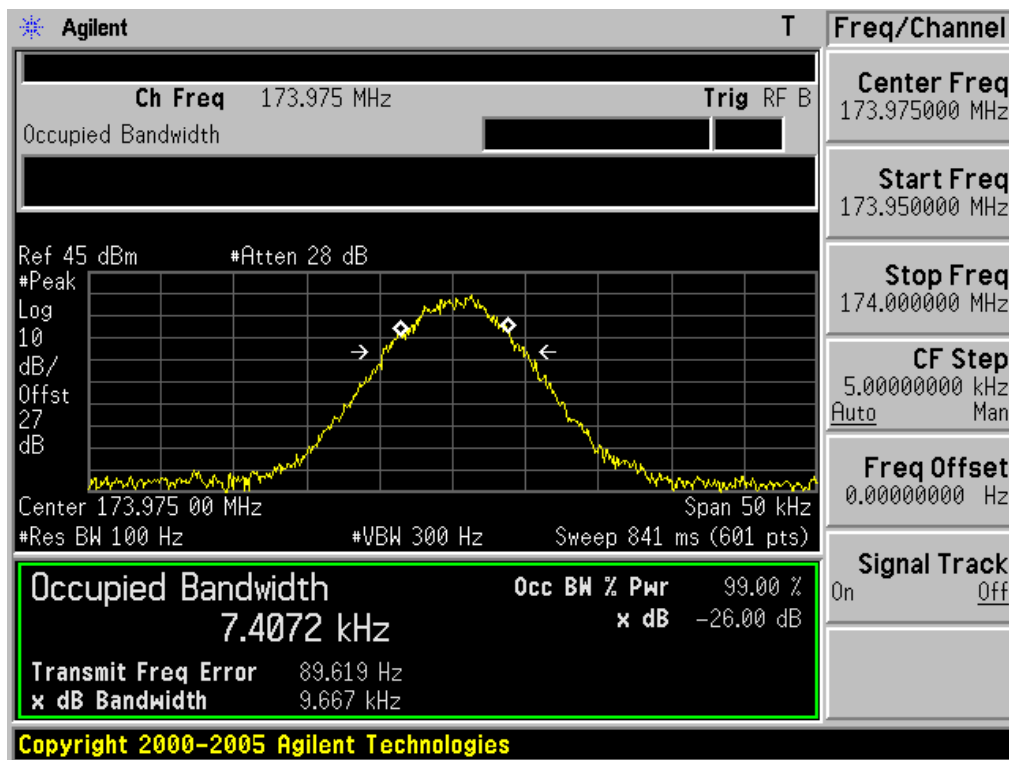
Occupied bandwidth of Middle Channel (155.025 MHz)-25W



Occupied bandwidth of Middle Channel (161.610 MHz)-25W

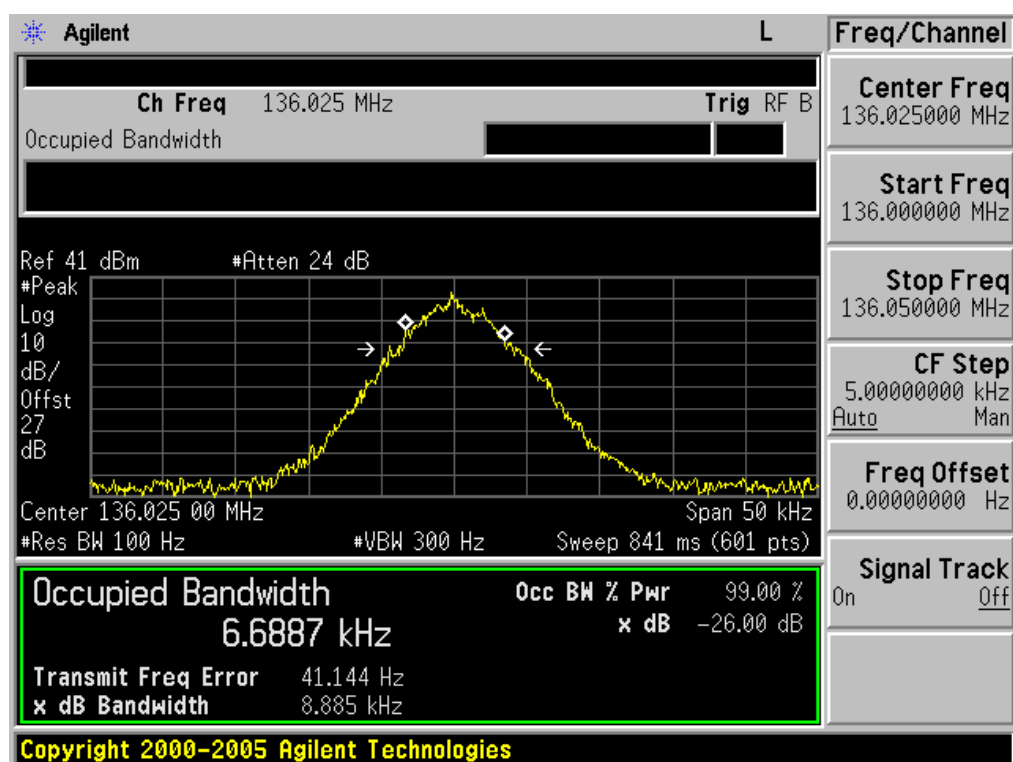


Occupied bandwidth of Top Channel (173.975 MHz)-25W

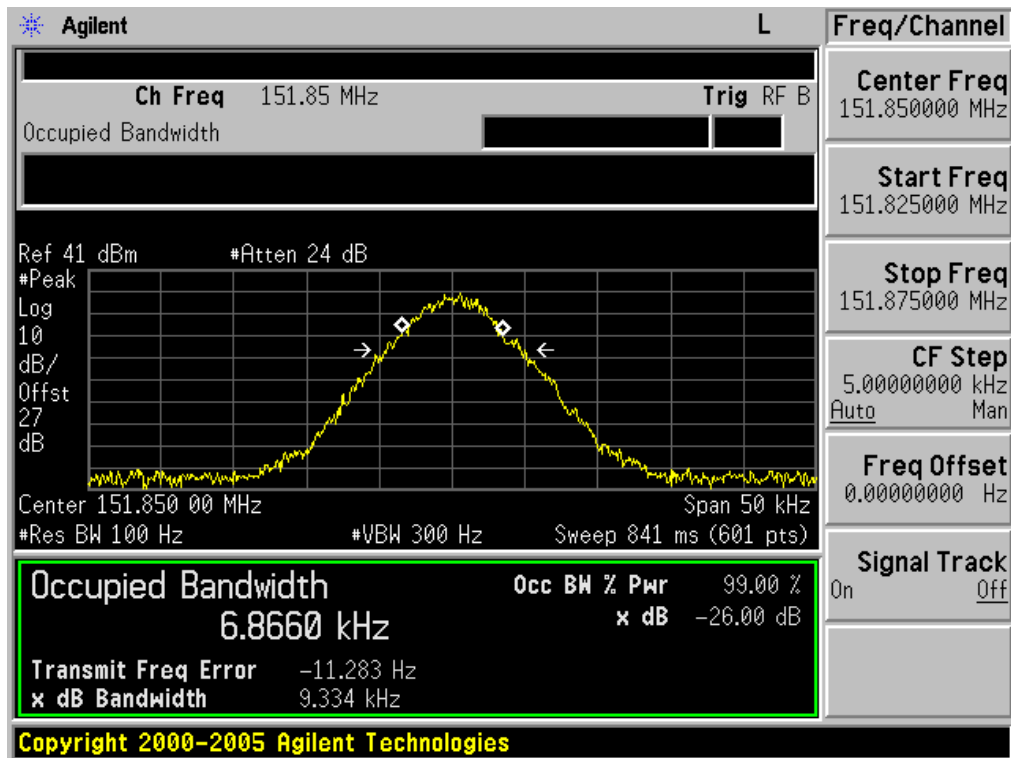


26 dB Bandwidth Measurement Result			
Operating Frequency	12.5 KHz Channel Separation		
	Test Data	Limits	Result
136.025MHz	8.885 KHz	11.25 KHz	Pass
151.850MHz	9.334 KHz	11.25 KHz	Pass
155.025MHz	9.733 KHz	11.25 KHz	Pass
161.610MHz	9.465 KHz	11.25 KHz	Pass
173.975MHz	9.277 KHz	11.25 KHz	Pass

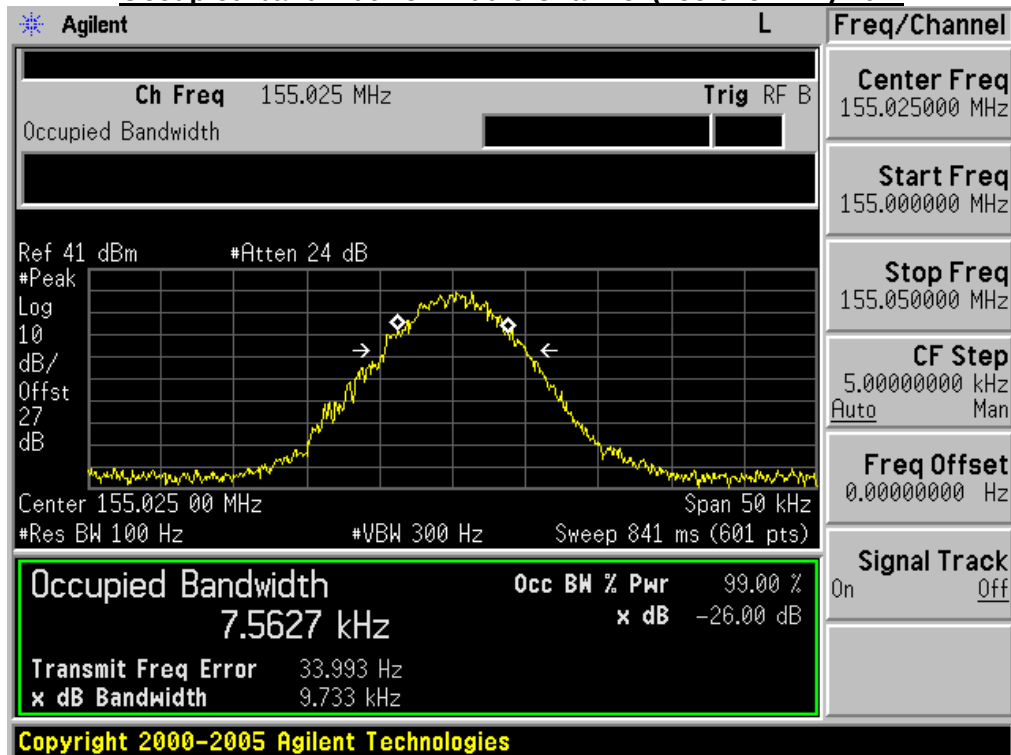
Occupied bandwidth of Bottom Channel (136.025)-10W



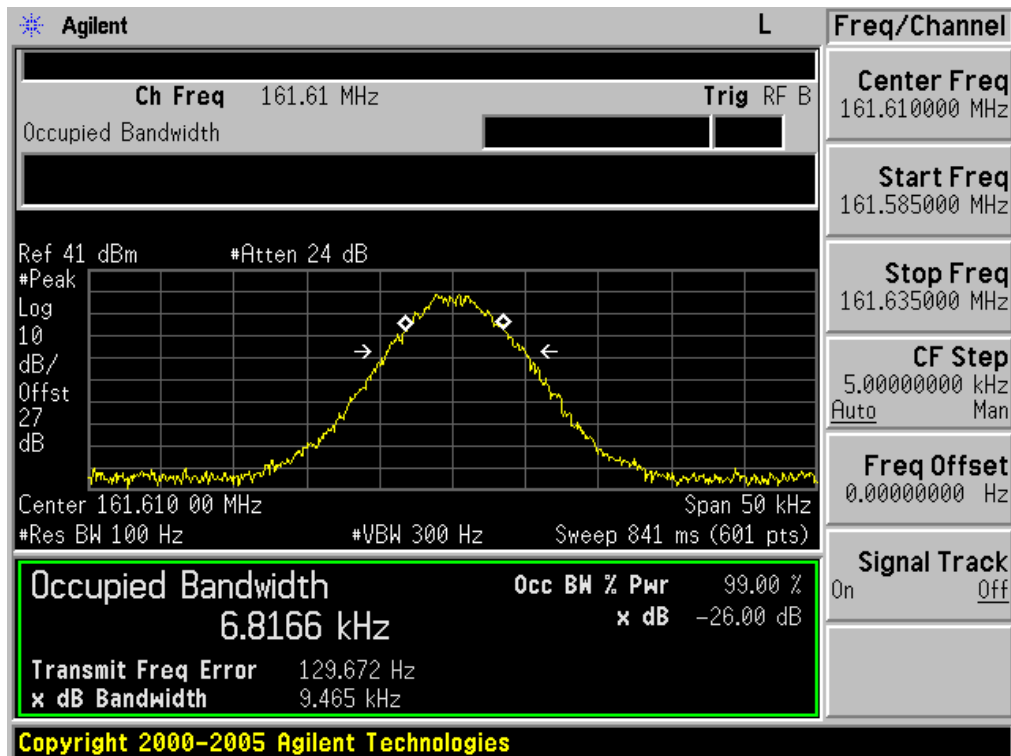
Occupied bandwidth of Middle Channel (151.850 MHz)-10W



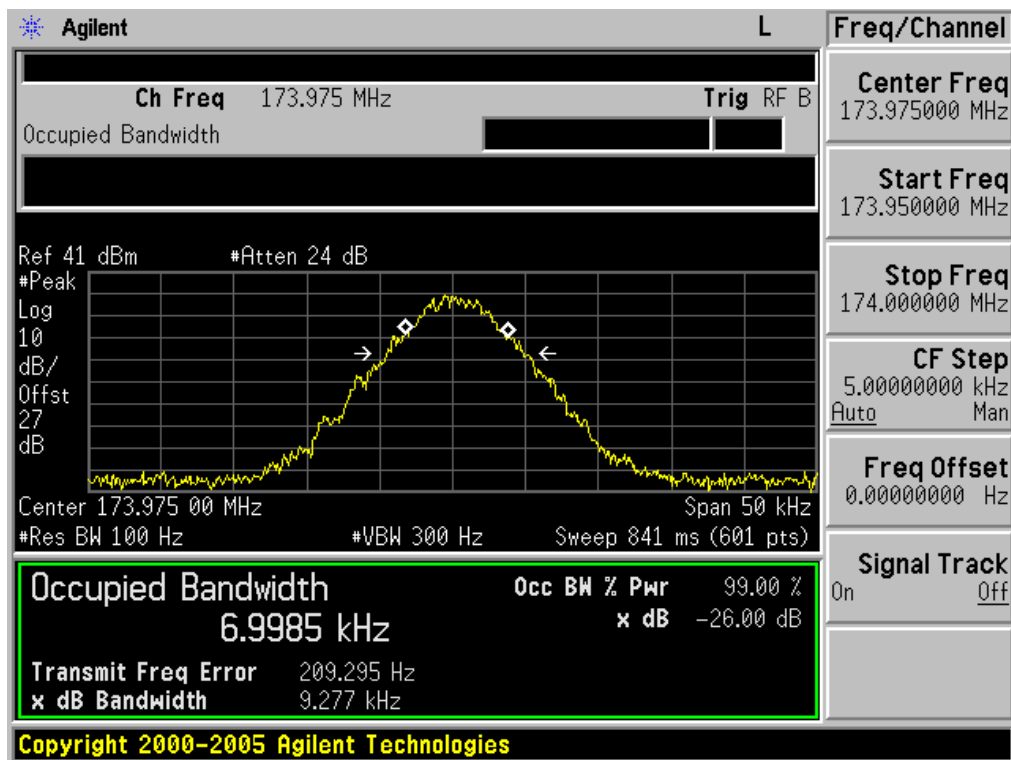
Occupied bandwidth of Middle Channel (155.025 MHz)-10W



Occupied bandwidth of Middle Channel (161.610 MHz)-10W

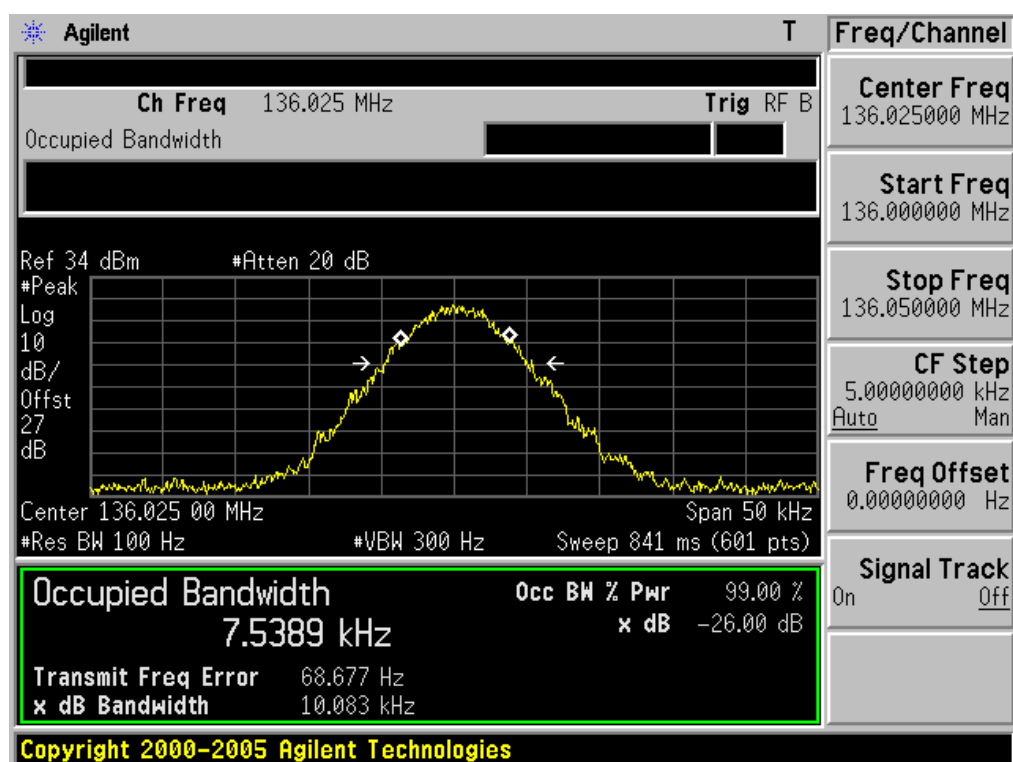


Occupied bandwidth of Top Channel (173.975 MHz)-10W

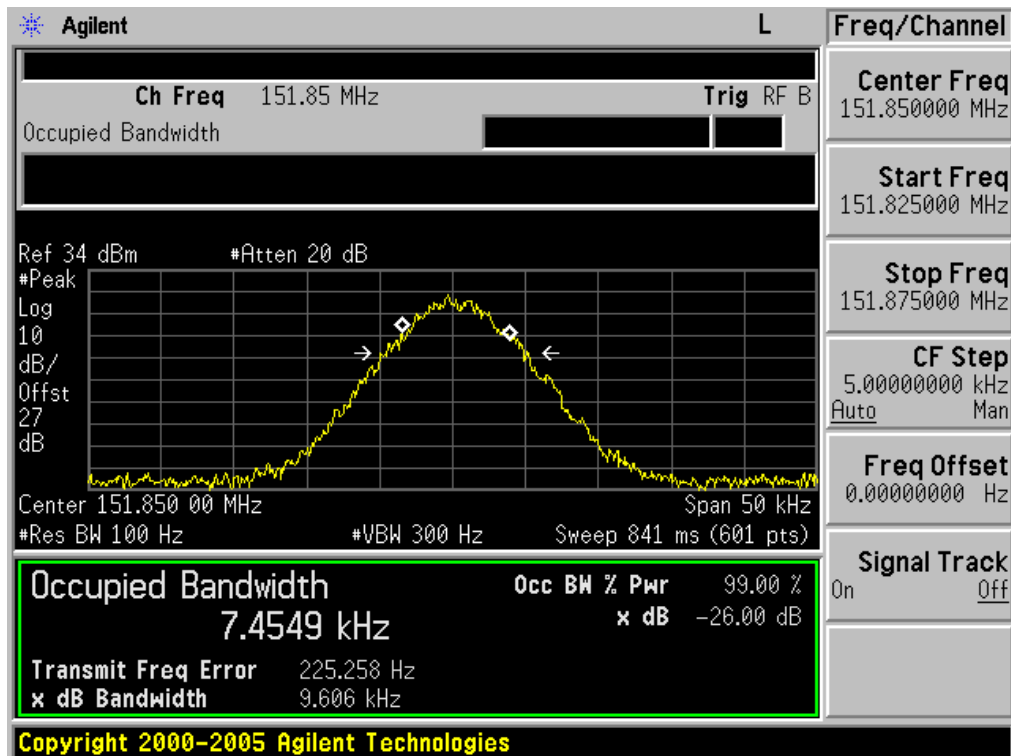


26 dB Bandwidth Measurement Result			
Operating Frequency	12.5 KHz Channel Separation		
	Test Data	Limits	Result
136.025MHz	10.083 KHz	11.25 KHz	Pass
151.850MHz	9.606 KHz	11.25 KHz	Pass
155.025MHz	9.841 KHz	11.25 KHz	Pass
161.610MHz	9.539 KHz	11.25 KHz	Pass
173.975MHz	9.429 KHz	11.25 KHz	Pass

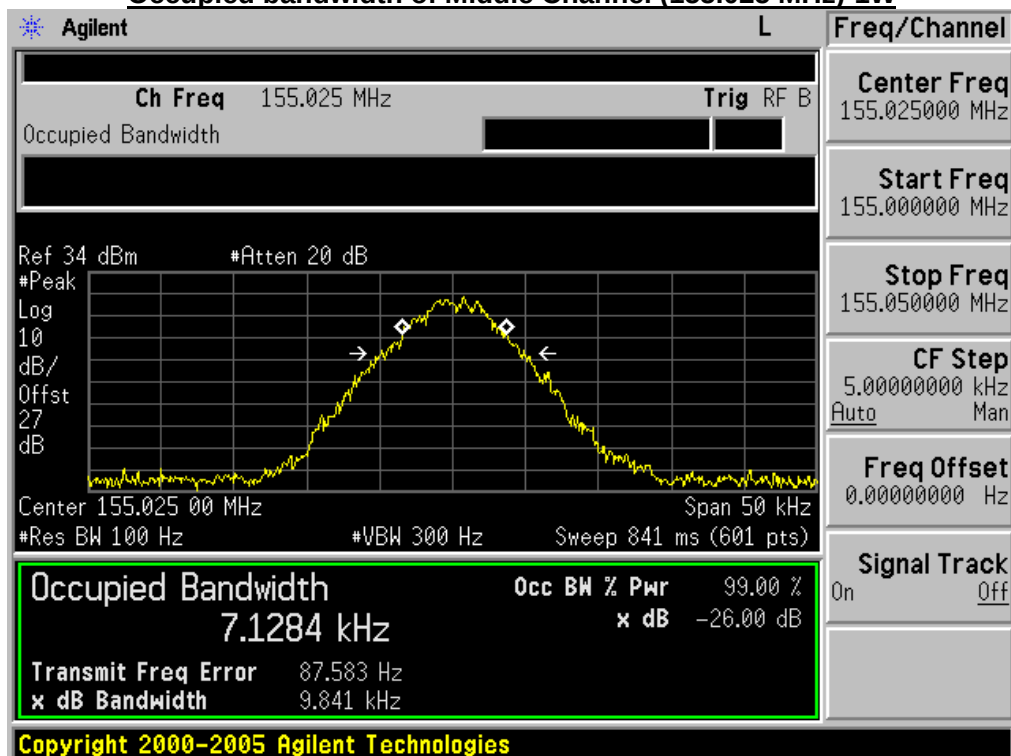
Occupied bandwidth of Bottom Channel (136.025)-1W



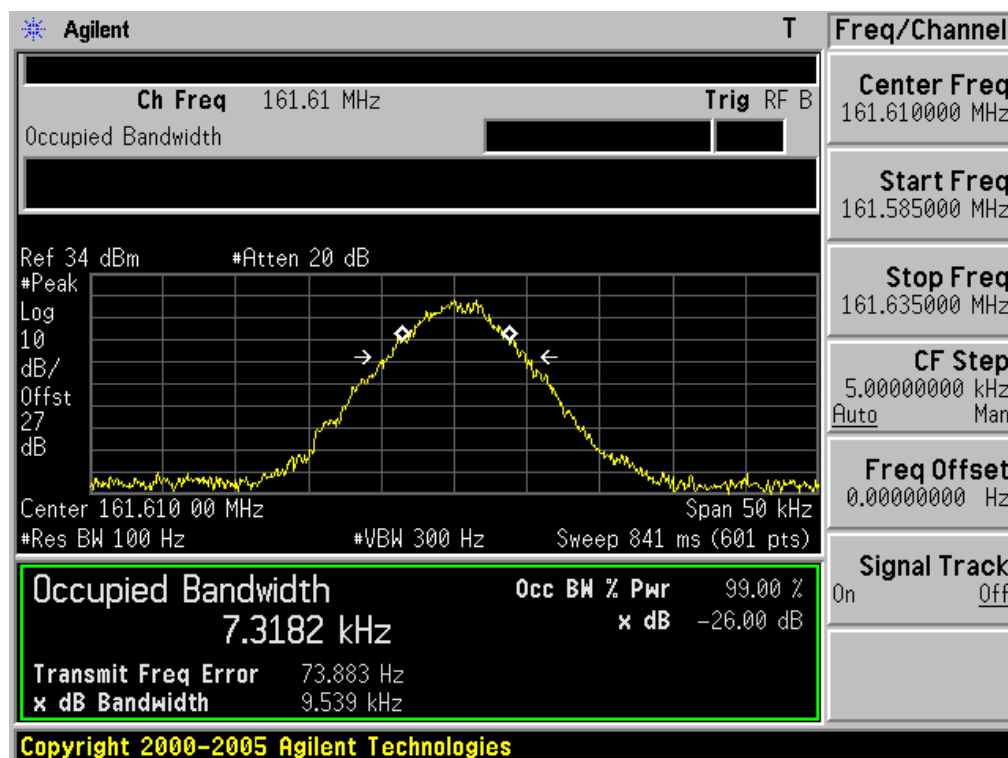
Occupied bandwidth of Middle Channel (151.850 MHz)-1W



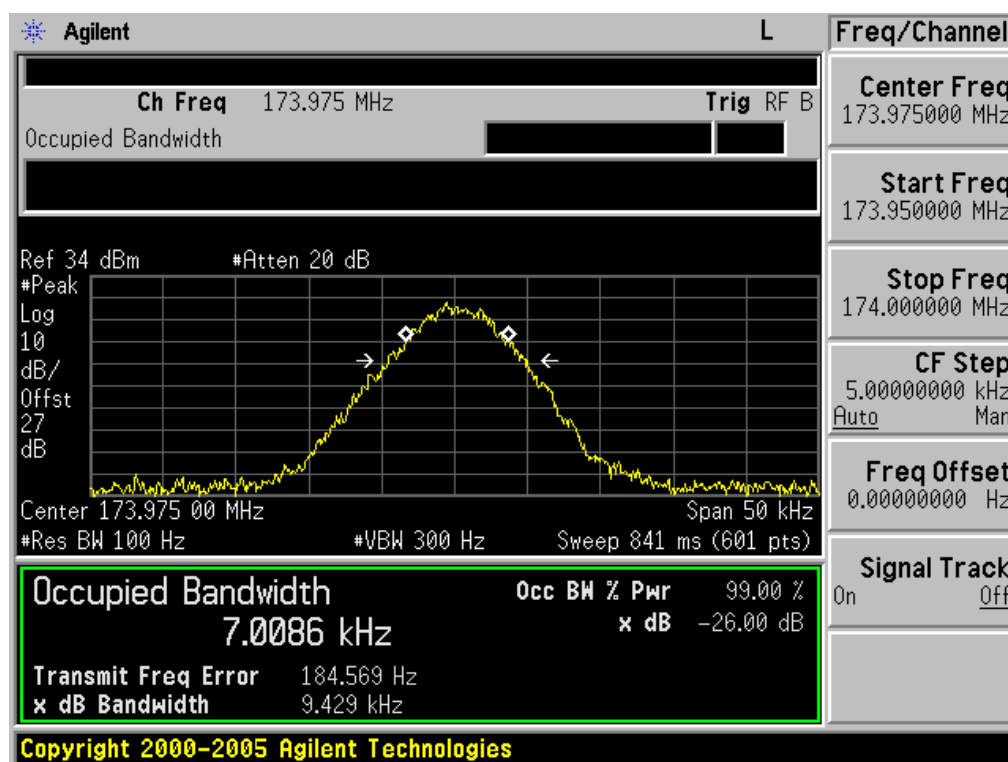
Occupied bandwidth of Middle Channel (155.025 MHz)-1W



Occupied bandwidth of Middle Channel (161.610 MHz)-1W



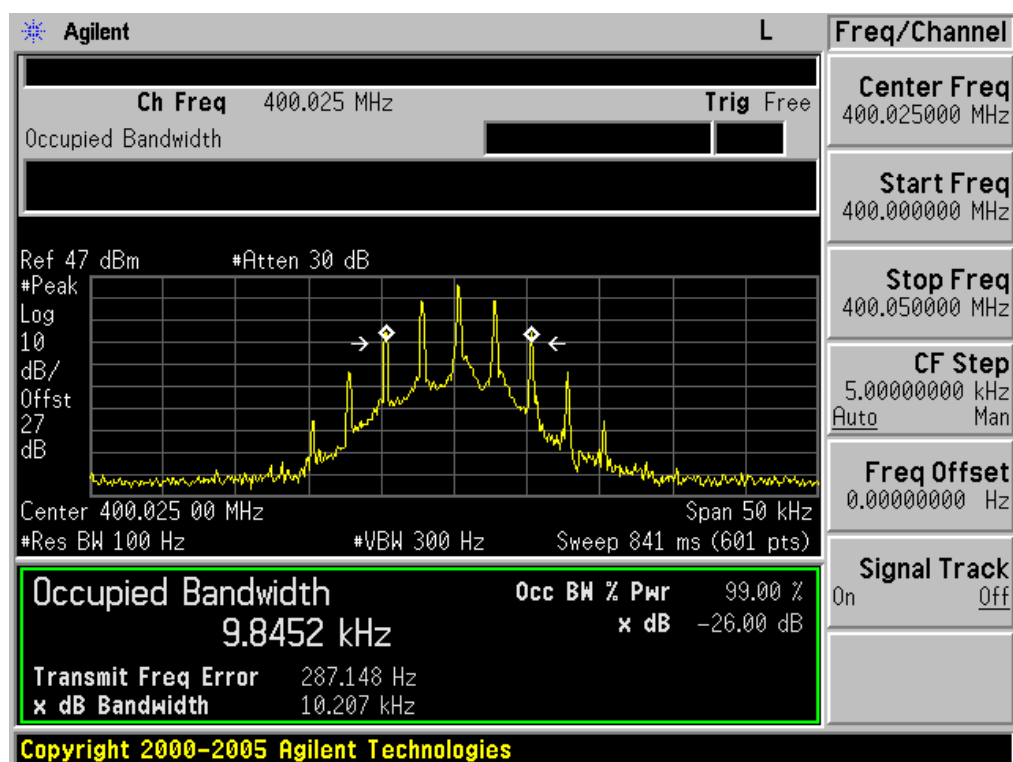
Occupied bandwidth of Top Channel (173.975 MHz)-1W



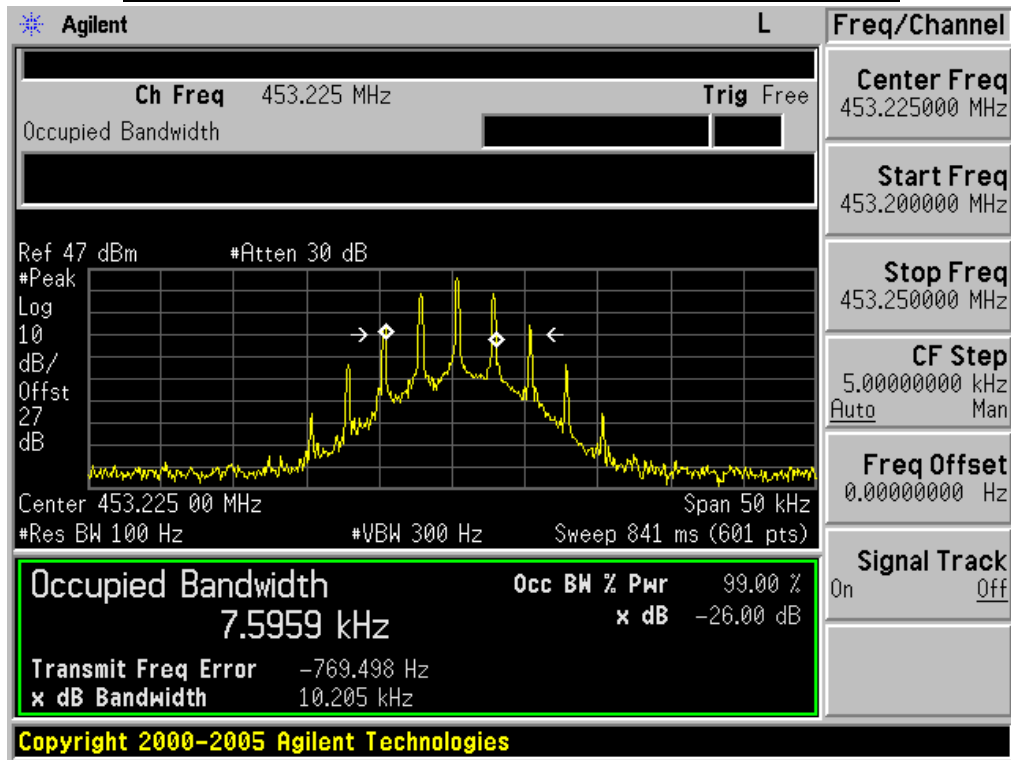
UHF:
Analog:

26 DB BANDWIDTH MEASUREMENT RESULT			
Operating Frequency	12.5 KHz Channel Separation		
	Test Data	Limits	Result
400.025MHz	10.207 KHz	11.25 KHz	Pass
453.225MHz	10.205 KHz	11.25 KHz	Pass
454.025MHz	10.207 KHz	11.25 KHz	Pass
479.975MHz	10.202 KHz	11.25 KHz	Pass

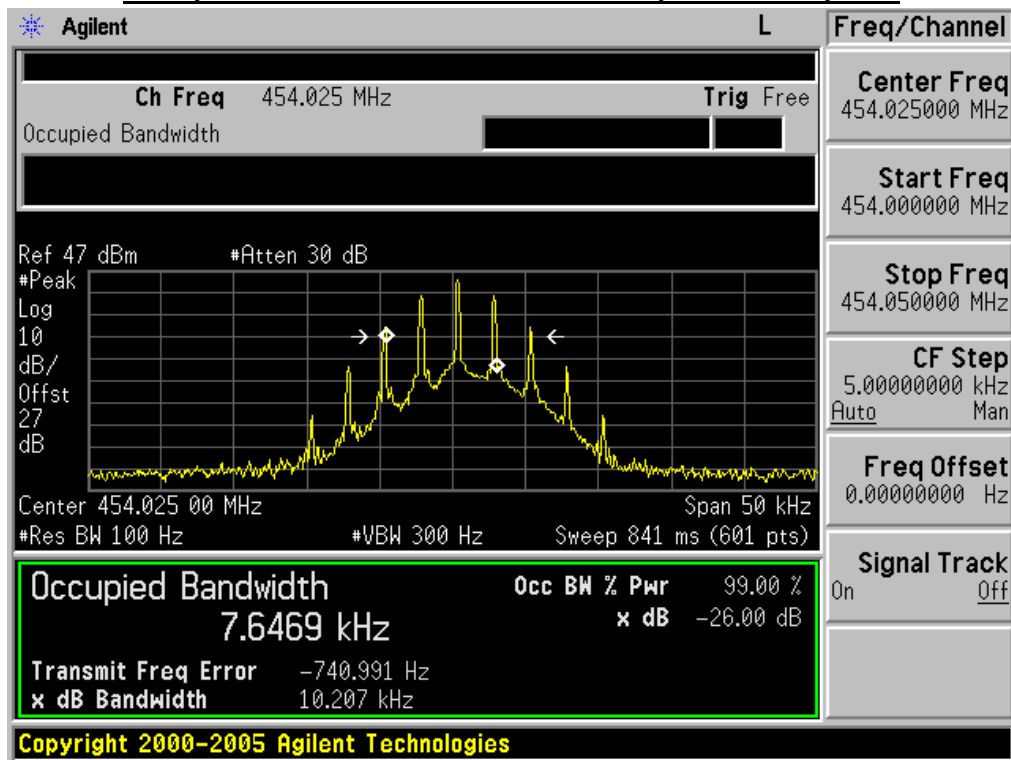
Occupied bandwidth of Bottom Channel (400.025MHz)-45W



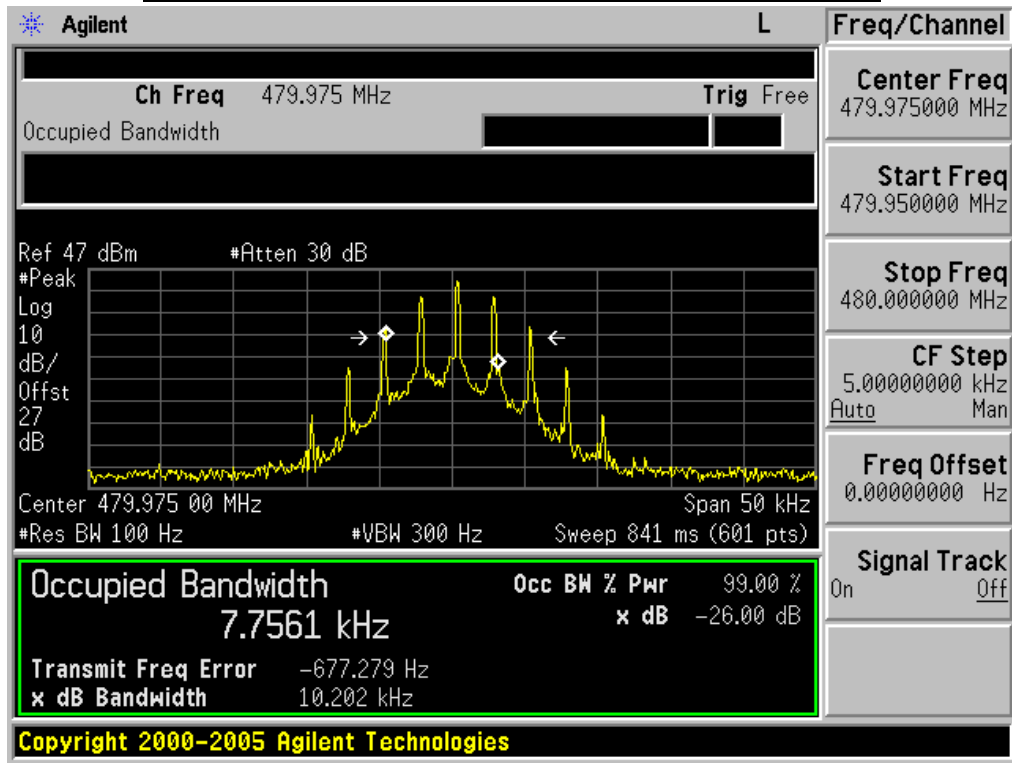
Occupied bandwidth of Middle Channel (453.225MHz)-45W



Occupied bandwidth of Middle Channel (454.025MHz)-45W

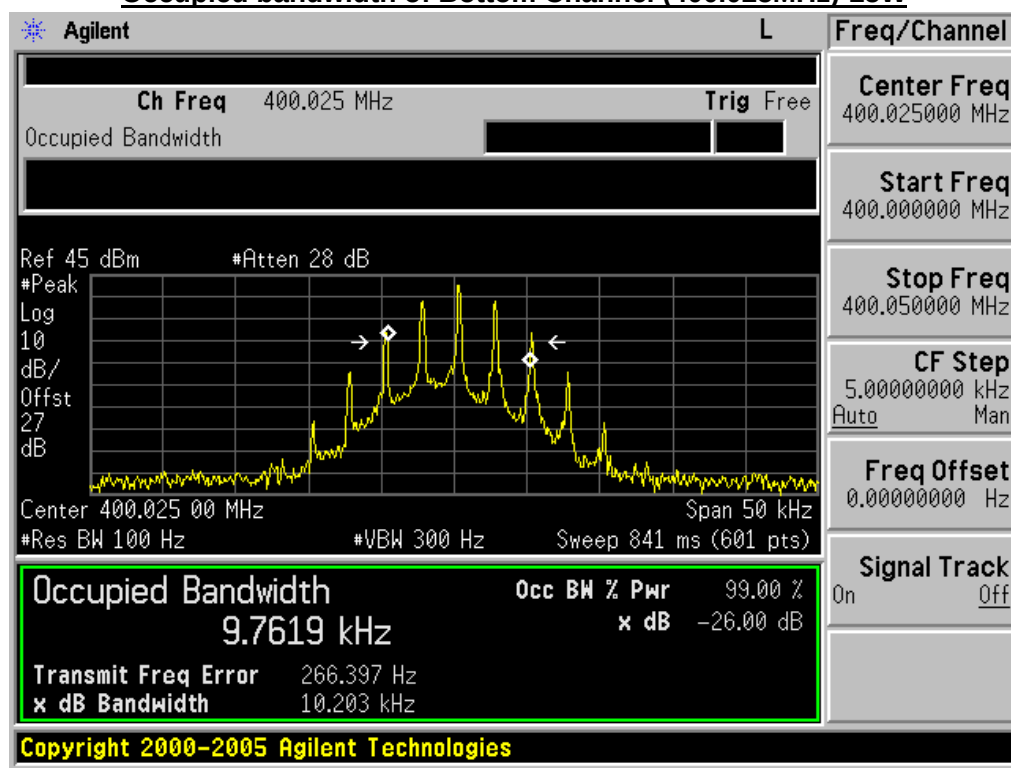


Occupied bandwidth of Top Channel (479.975MHz)-45W

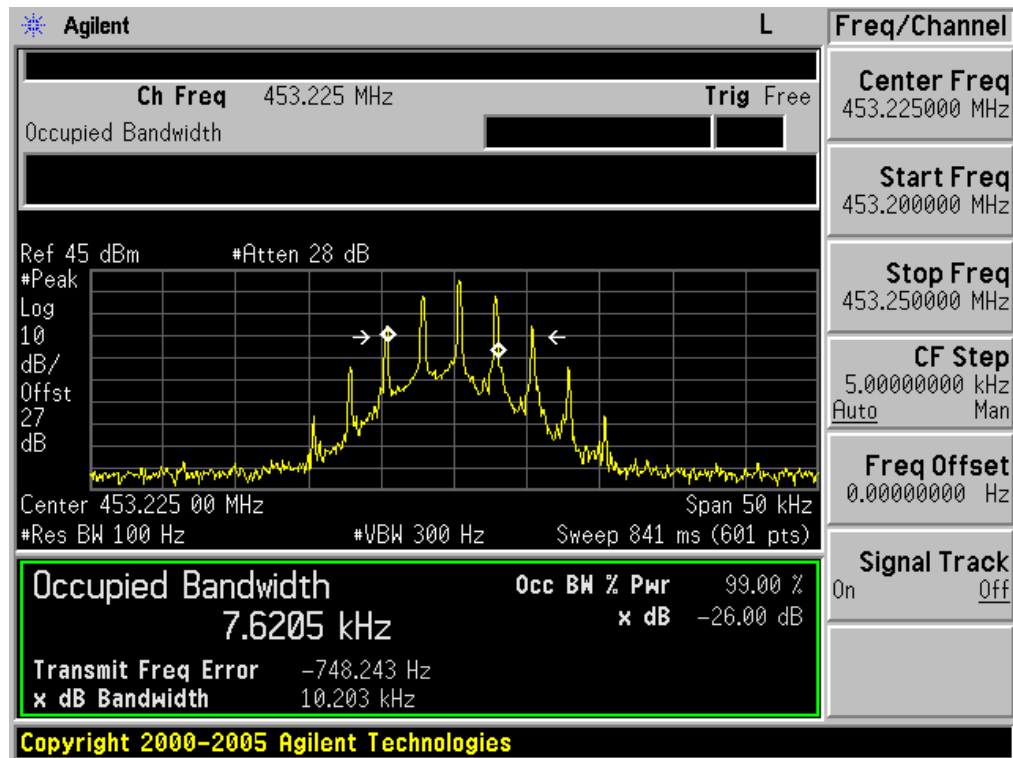


26 DB BANDWIDTH MEASUREMENT RESULT			
Operating Frequency	12.5 KHz Channel Separation		
	Test Data	Limits	Result
400.025MHz	10.203 KHz	11.25 KHz	Pass
453.225MHz	10.203 KHz	11.25 KHz	Pass
454.025MHz	10.200 KHz	11.25 KHz	Pass
479.975MHz	10.200 MHz	11.25 KHz	Pass

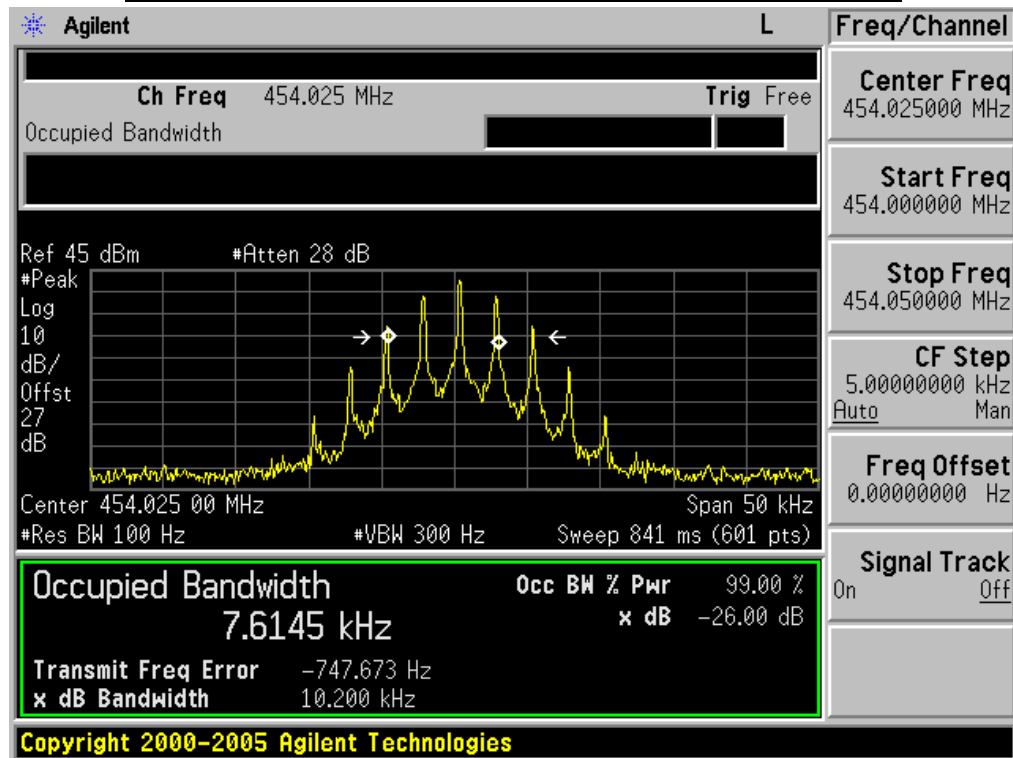
Occupied bandwidth of Bottom Channel (400.025MHz)-25W



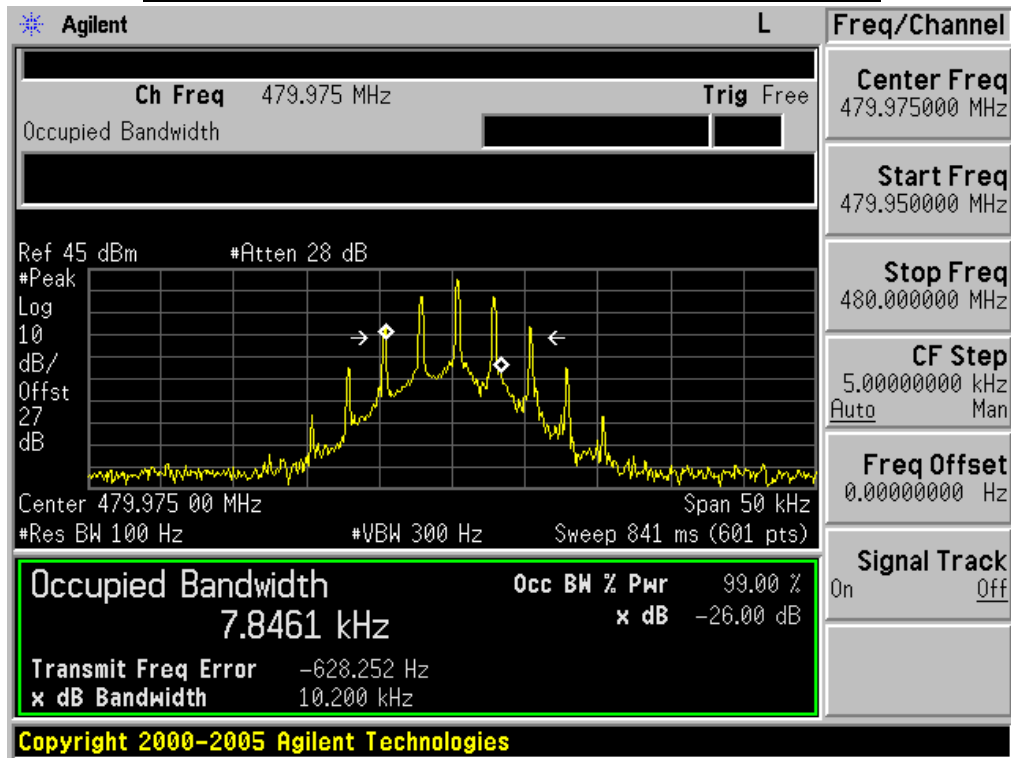
Occupied bandwidth of Middle Channel (453.225MHz)-25W



Occupied bandwidth of Middle Channel (454.025MHz)-25W

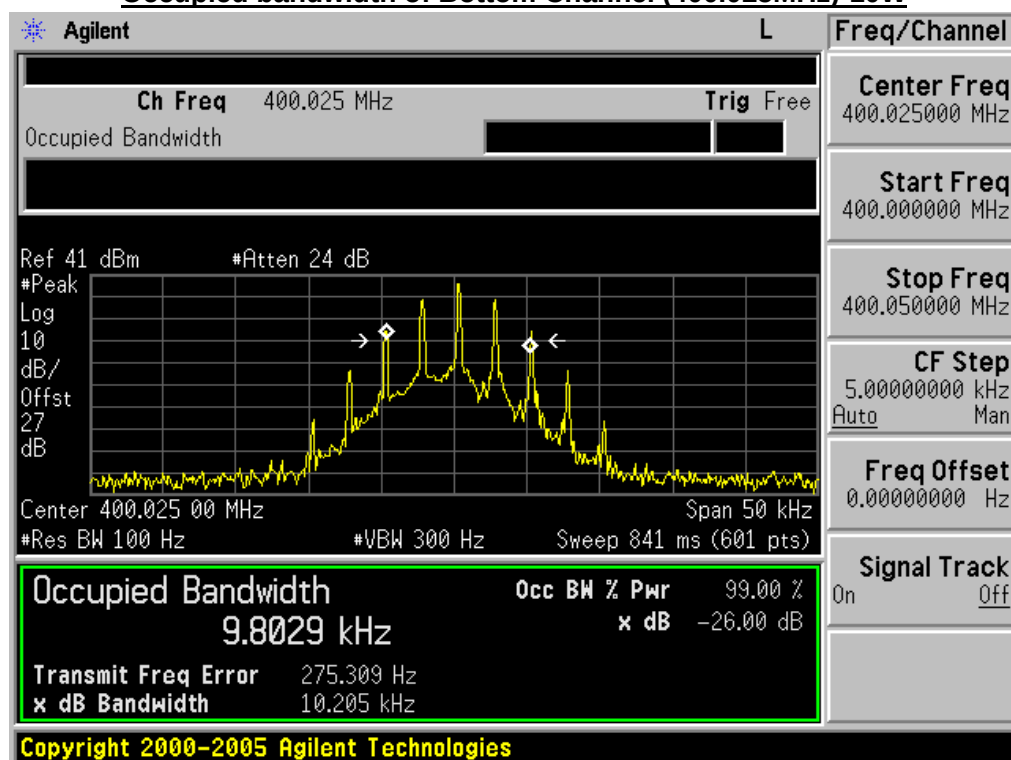


Occupied bandwidth of Top Channel (479.975MHz)-25W

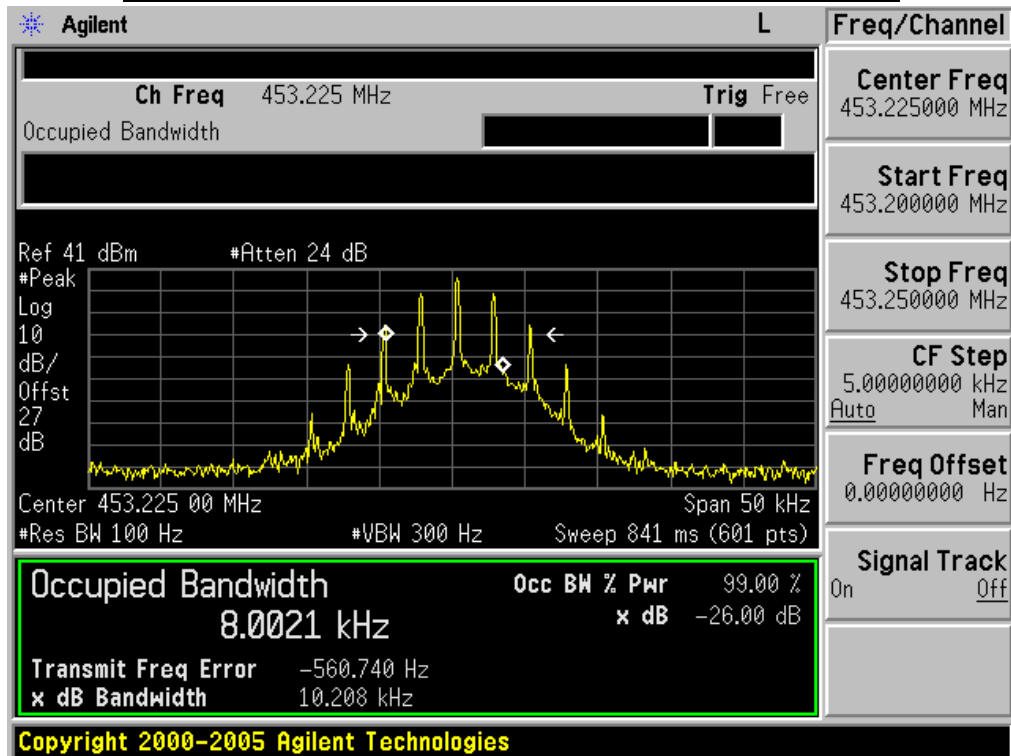


26 DB BANDWIDTH MEASUREMENT RESULT			
Operating Frequency	12.5 KHz Channel Separation		
	Test Data	Limits	Result
400.025MHz	10.205 KHz	11.25 KHz	Pass
453.225MHz	10.208 KHz	11.25 KHz	Pass
454.025MHz	10.208 KHz	11.25 KHz	Pass
479.975MHz	10.202 KHz	11.25 KHz	Pass

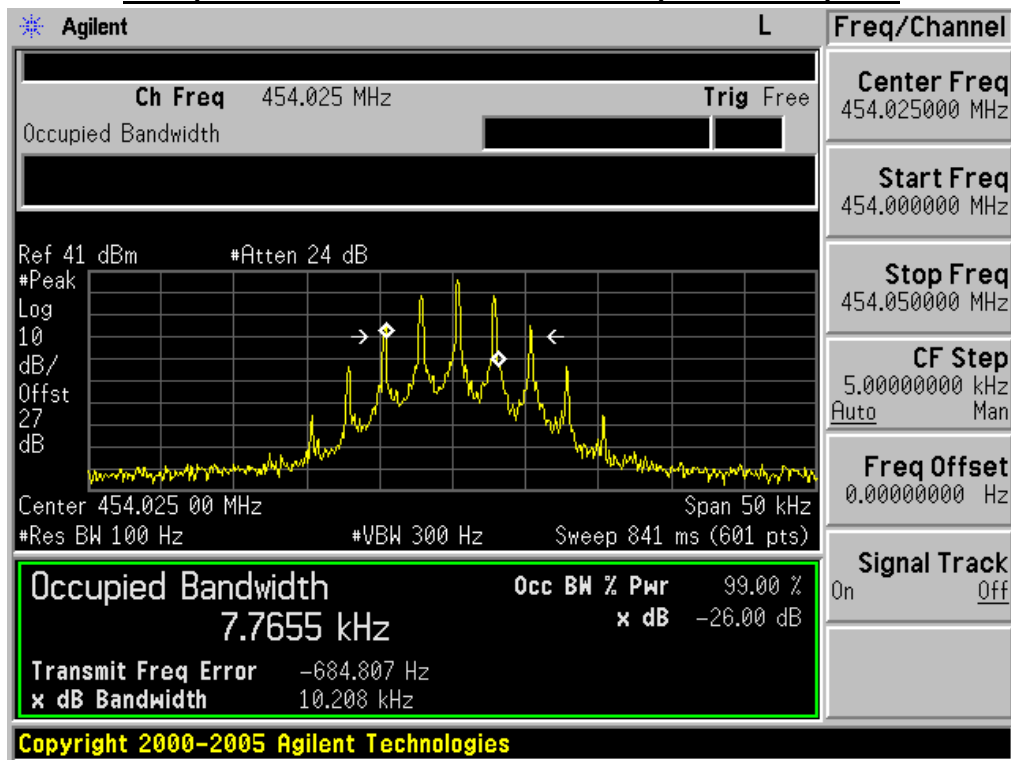
Occupied bandwidth of Bottom Channel (400.025MHz)-10W



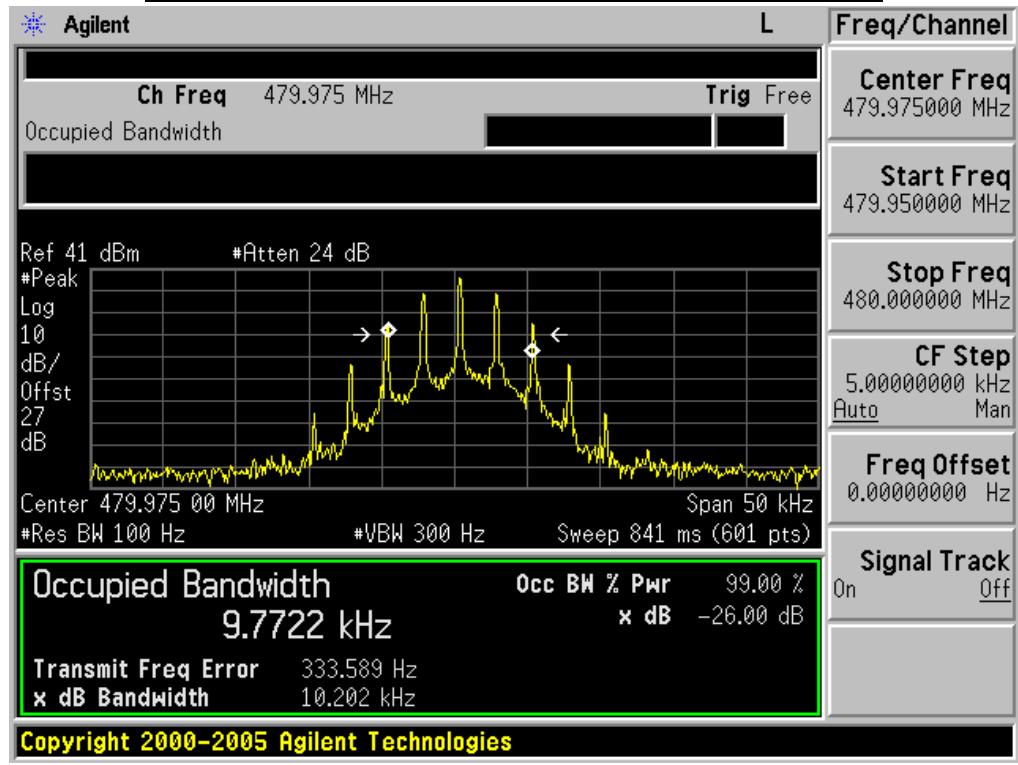
Occupied bandwidth of Middle Channel (453.225MHz)-10W



Occupied bandwidth of Middle Channel (454.025MHz)-10W

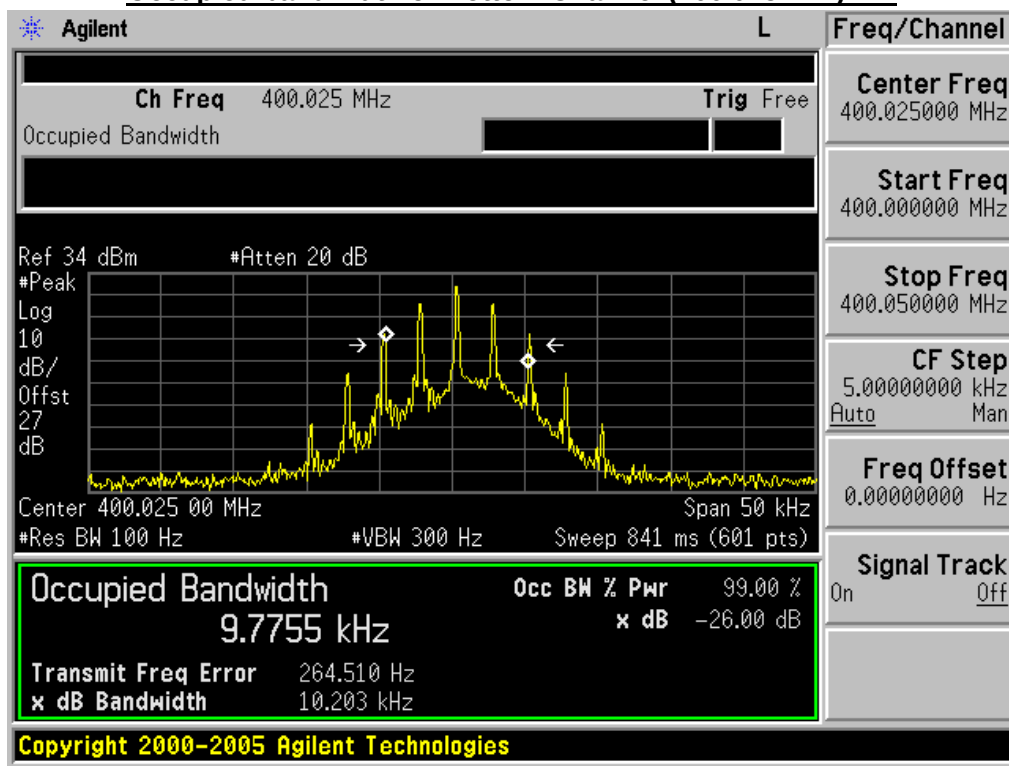


Occupied bandwidth of Top Channel (479.975MHz)-10W

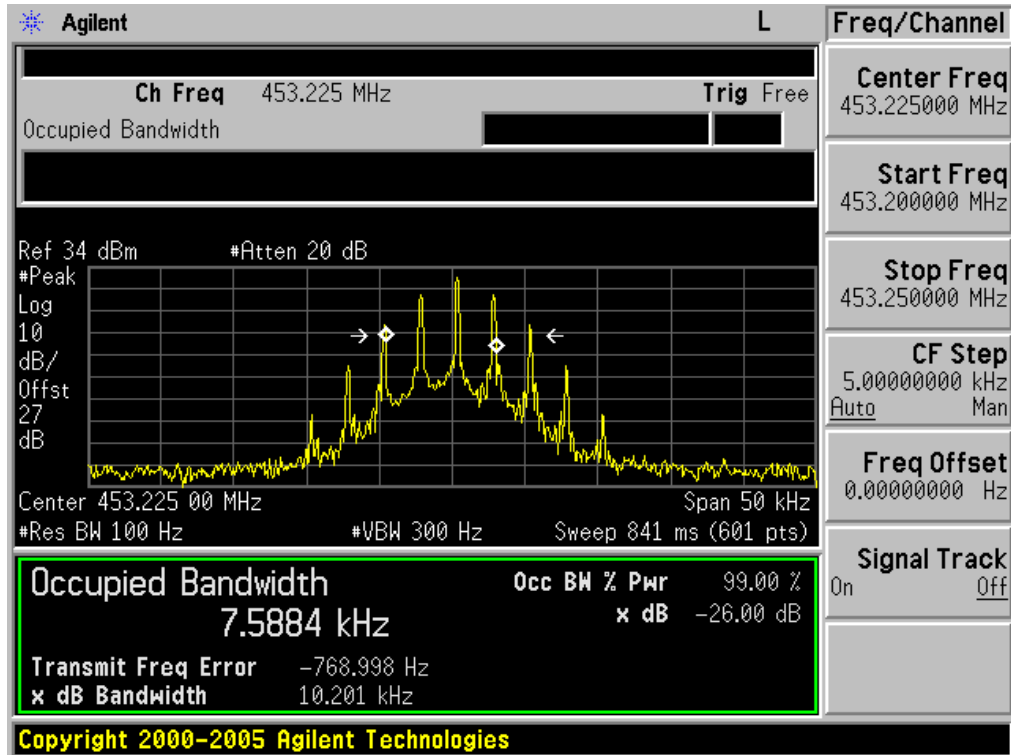


26 DB BANDWIDTH MEASUREMENT RESULT			
Operating Frequency	12.5 KHz Channel Separation		
	Test Data	Limits	Result
400.025MHz	10.203 KHz	11.25 KHz	Pass
453.225MHz	10.201 KHz	11.25 KHz	Pass
454.025MHz	10.198 KHz	11.25 KHz	Pass
479.975MHz	10.198 MHz	11.25 KHz	Pass

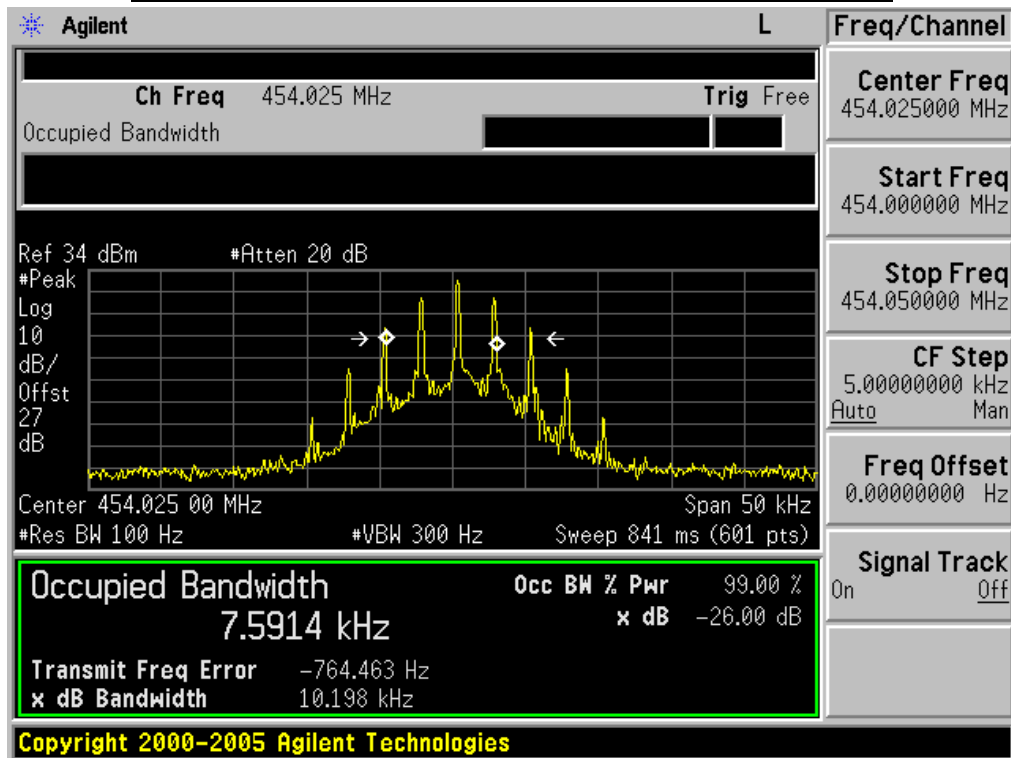
Occupied bandwidth of Bottom Channel (400.025MHz)-1W



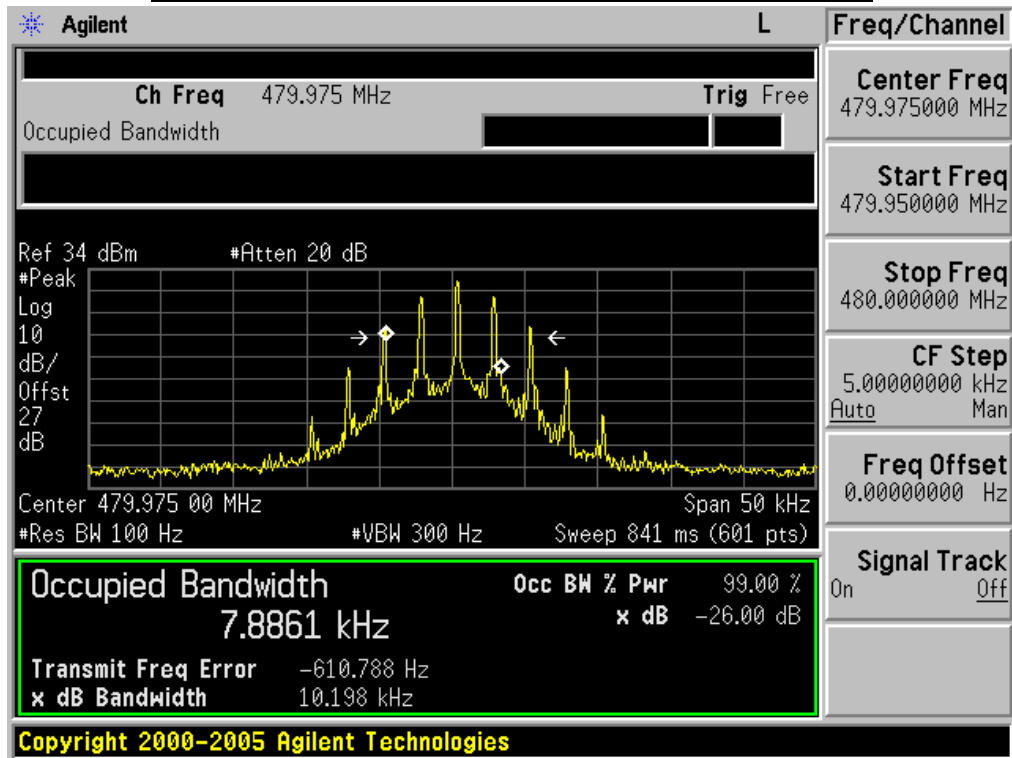
Occupied bandwidth of Middle Channel (453.225MHz)-1W



Occupied bandwidth of Middle Channel (454.025MHz)-1W



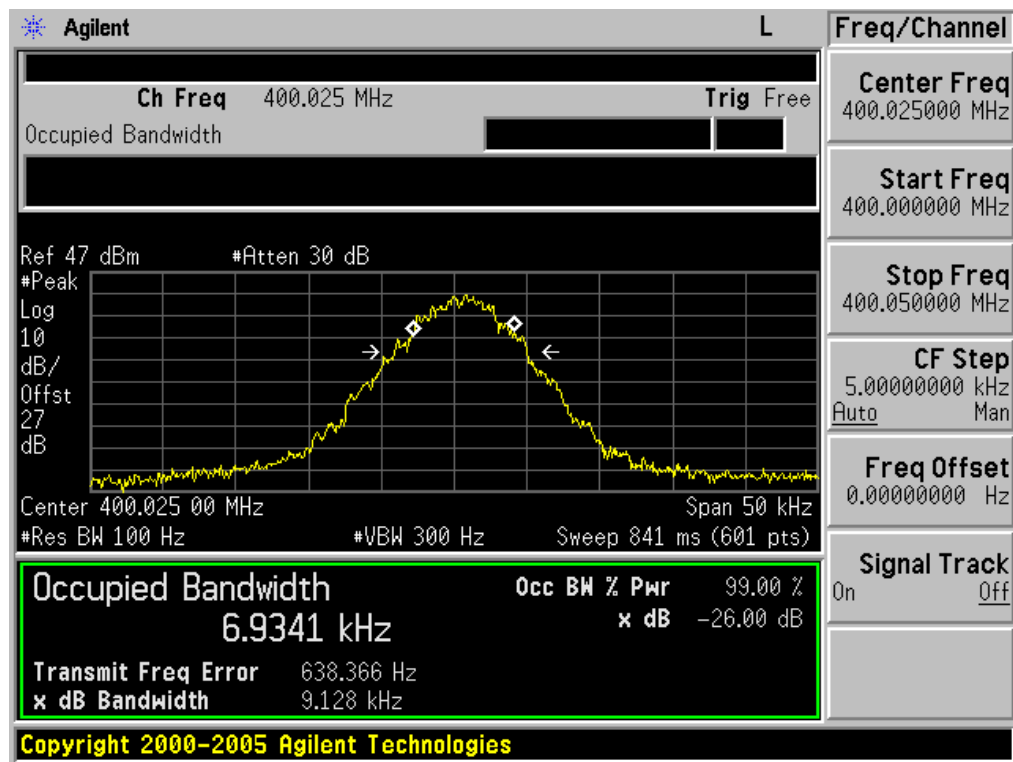
Occupied bandwidth of Top Channel (479.975MHz)-1W



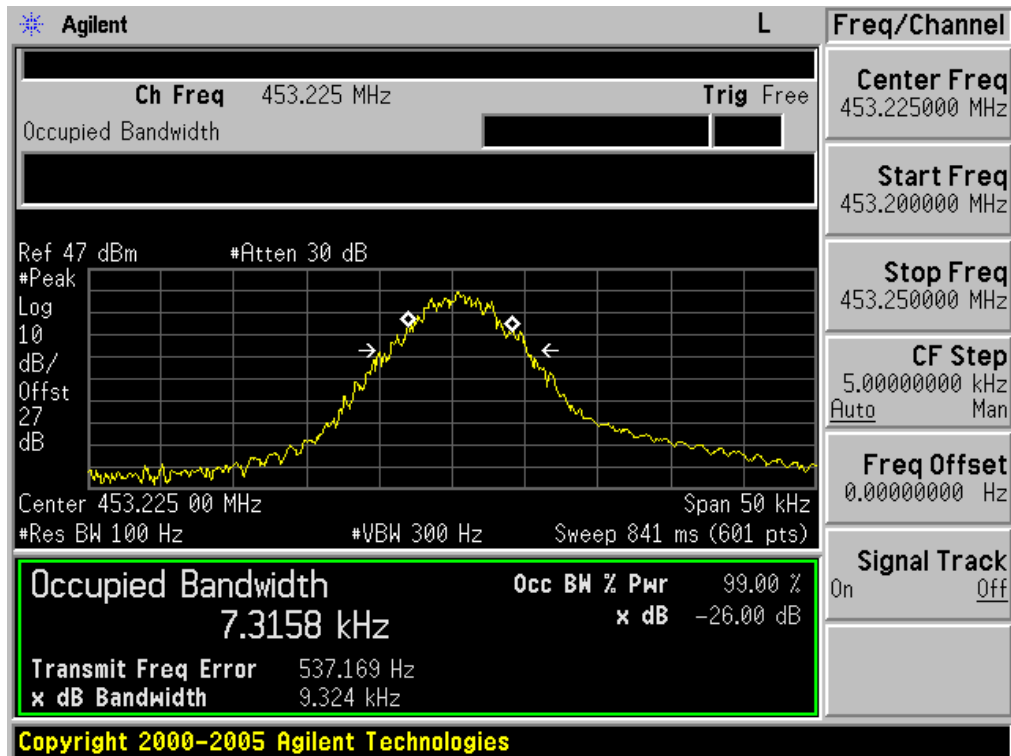
Digital:
TEST RESULTS

26 DB BANDWIDTH MEASUREMENT RESULT			
Operating Frequency	12.5 KHz Channel Separation		
	Test Data	Limits	Result
400.025MHz	9.128 KHz	11.25 KHz	Pass
453.225MHz	9.324 KHz	11.25 KHz	Pass
454.025MHz	9.514 KHz	11.25 KHz	Pass
479.975MHz	8.925 KHz	11.25 KHz	Pass

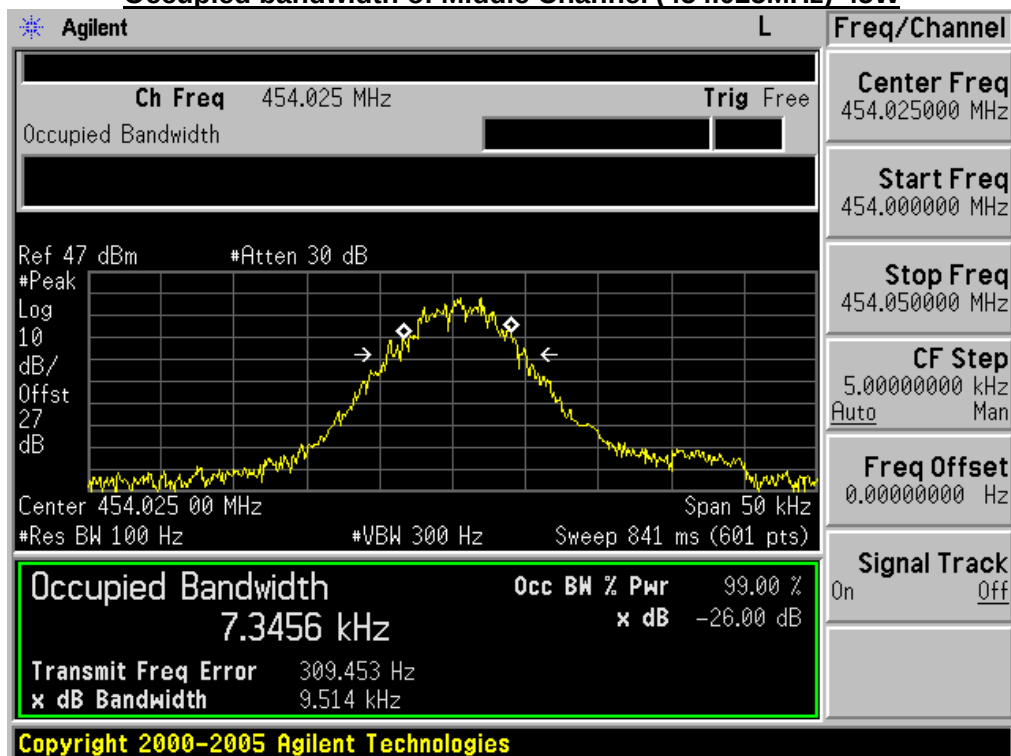
Occupied bandwidth of Bottom Channel (400.025MHz) -45W



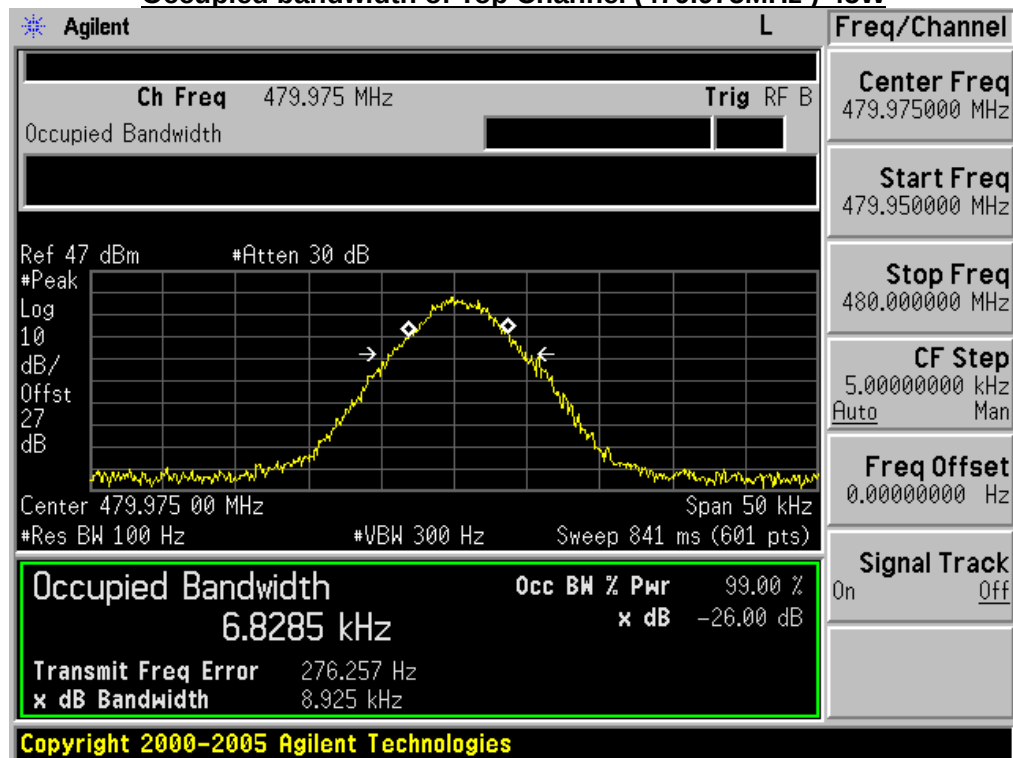
Occupied bandwidth of Middle Channel (453.225MHz)-45W



Occupied bandwidth of Middle Channel (454.025MHz)-45W



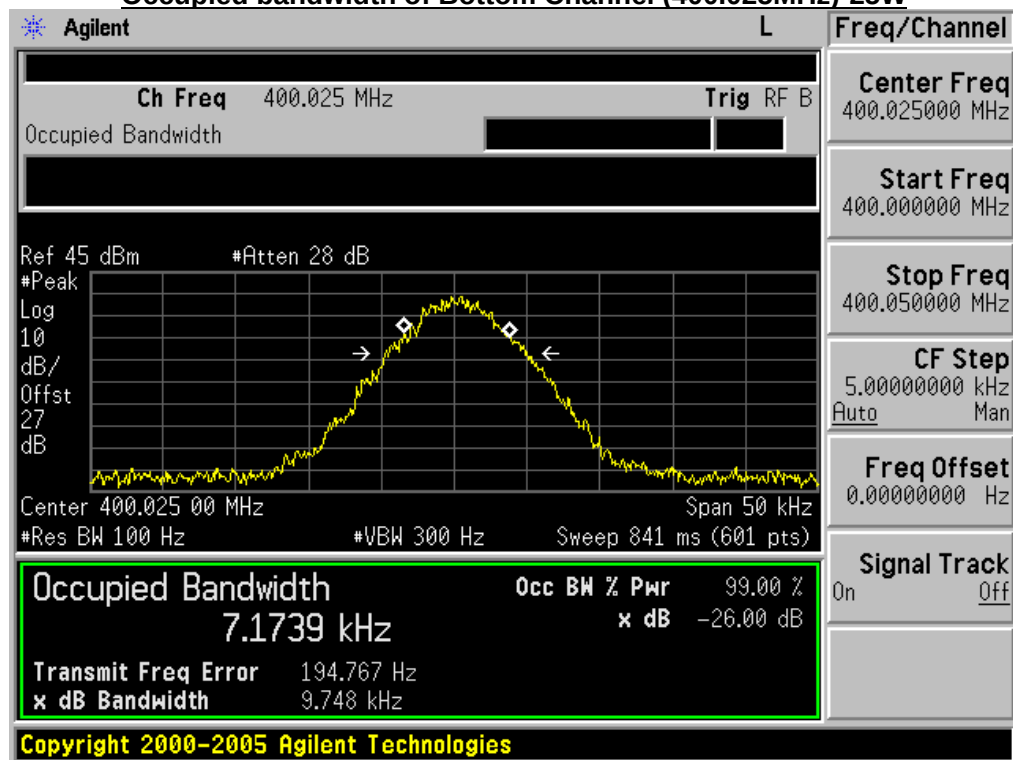
Occupied bandwidth of Top Channel (479.975MHz)-45W



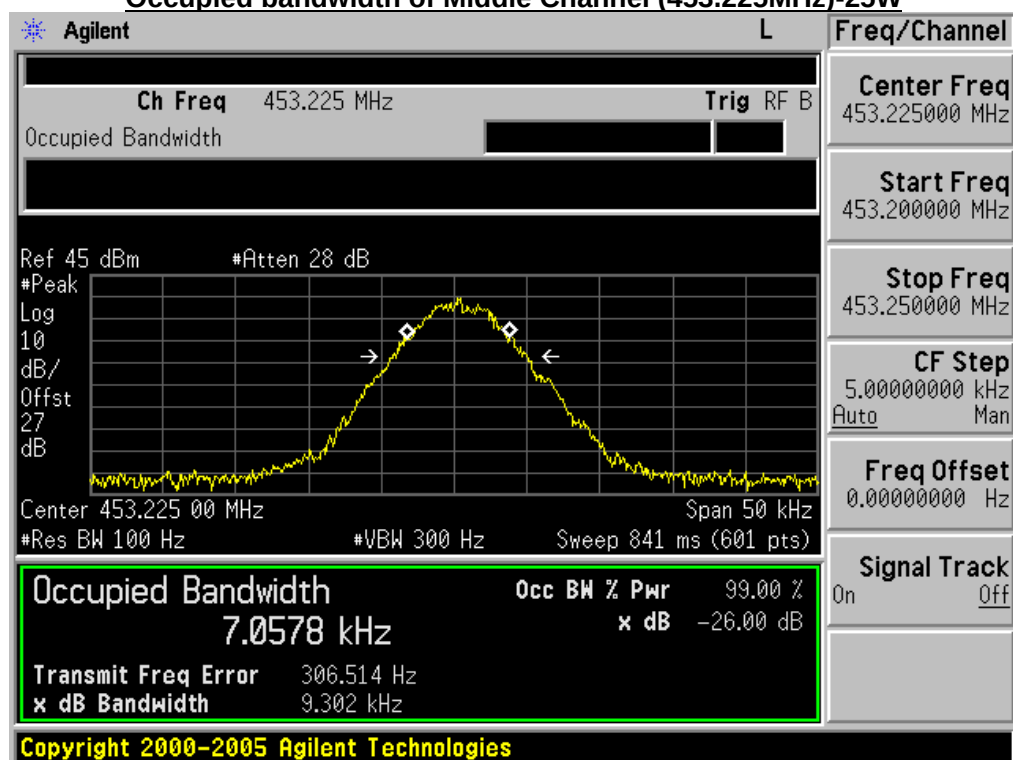
TEST RESULTS

26 DB BANDWIDTH MEASUREMENT RESULT			
Operating Frequency	12.5 KHz Channel Separation		
	Test Data	Limits	Result
400.025MHz	9.748 KHz	11.25 KHz	Pass
453.225MHz	9.302 KHz	11.25 KHz	Pass
454.025MHz	8.770 KHz	11.25 KHz	Pass
479.975MHz	9.126 KHz	11.25 KHz	Pass

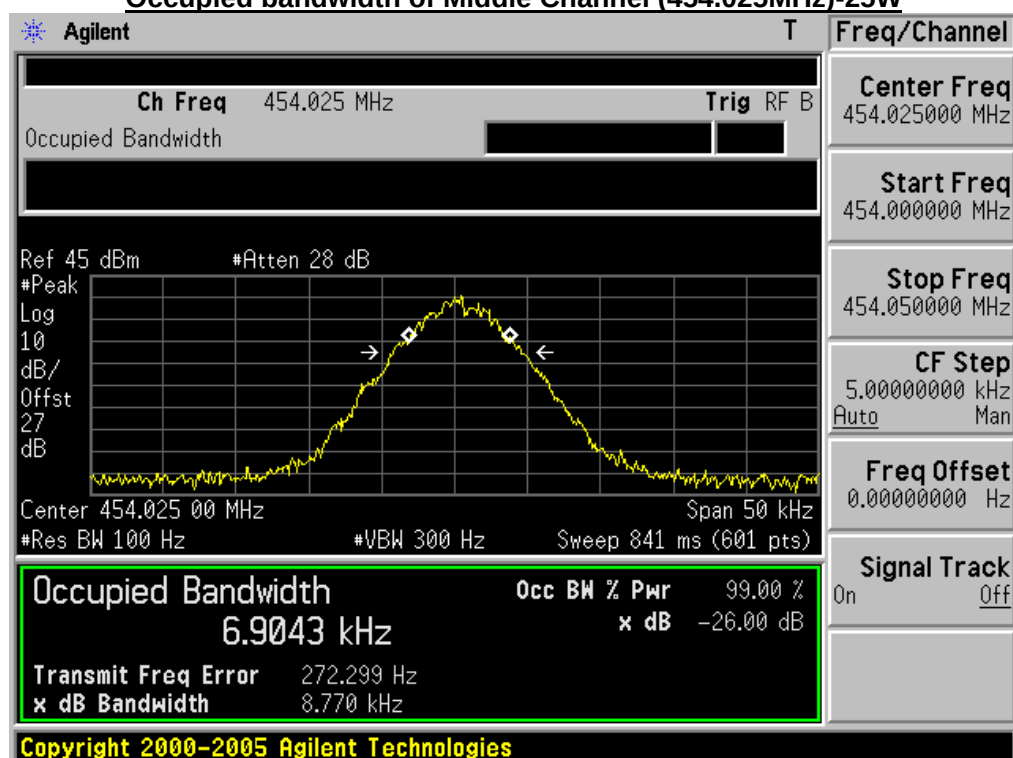
Occupied bandwidth of Bottom Channel (400.025MHz)-25W



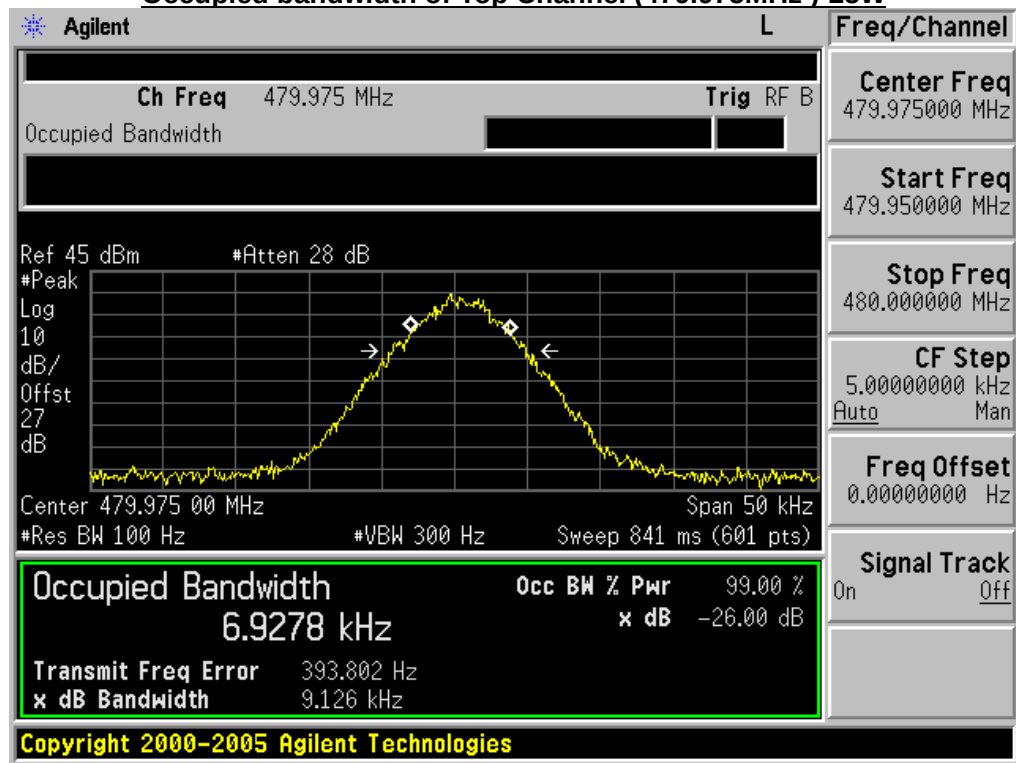
Occupied bandwidth of Middle Channel (453.225MHz)-25W



Occupied bandwidth of Middle Channel (454.025MHz)-25W

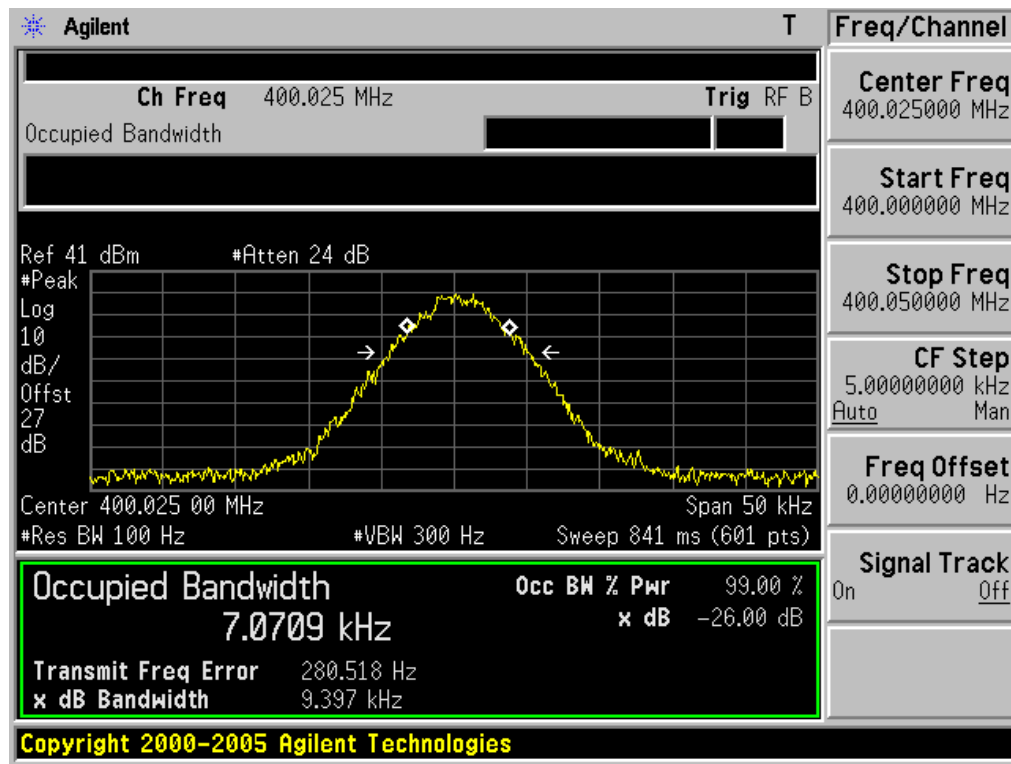


Occupied bandwidth of Top Channel (479.975MHz)-25W

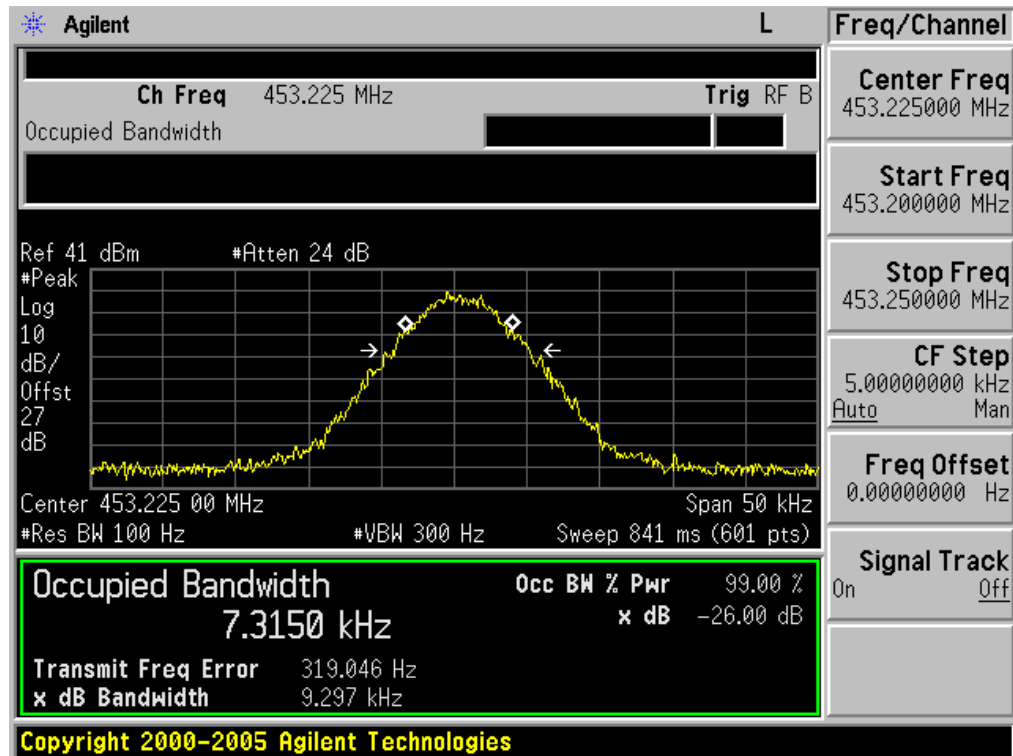


26 DB BANDWIDTH MEASUREMENT RESULT			
Operating Frequency	12.5 KHz Channel Separation		
	Test Data	Limits	Result
400.025MHz	9.397 KHz	11.25 KHz	Pass
453.225MHz	9.297 KHz	11.25 KHz	Pass
454.025MHz	9.218 KHz	11.25 KHz	Pass
479.975MHz	9.248 KHz	11.25 KHz	Pass

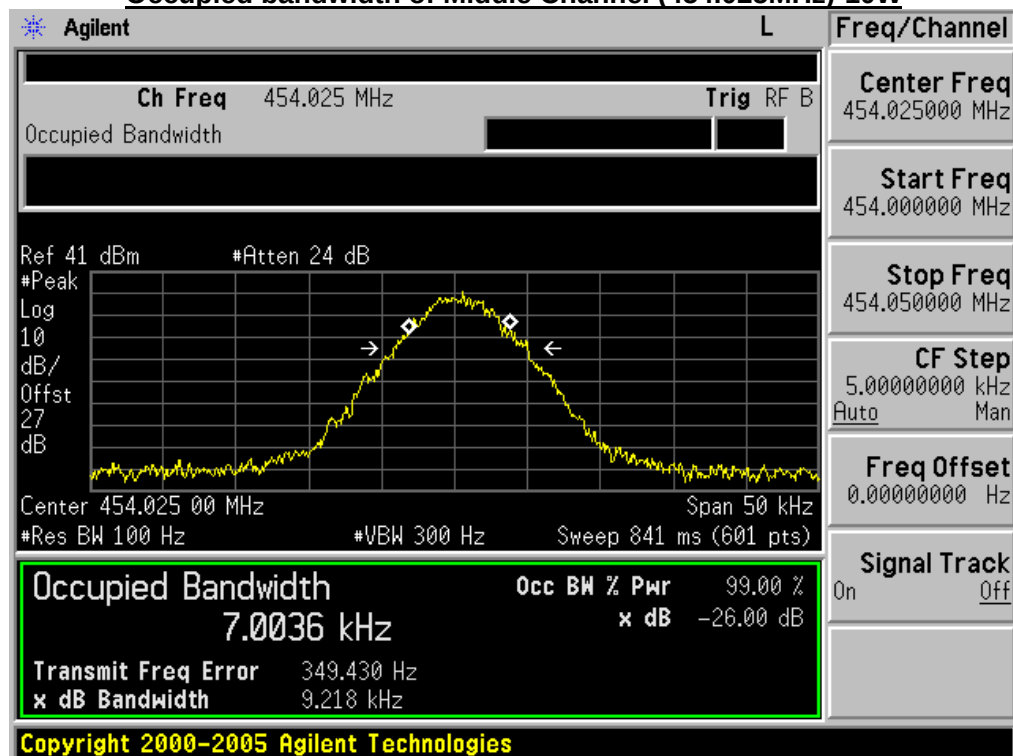
Occupied bandwidth of Bottom Channel (400.025MHz) -10W



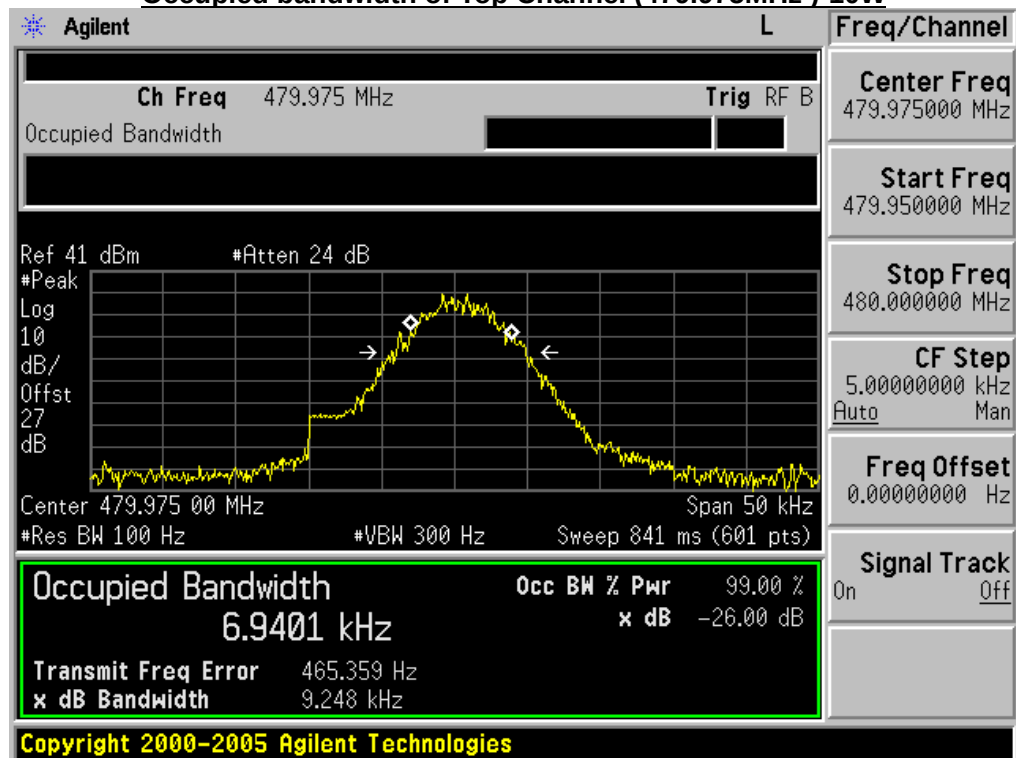
Occupied bandwidth of Middle Channel (453.225MHz)-10W



Occupied bandwidth of Middle Channel (454.025MHz)-10W



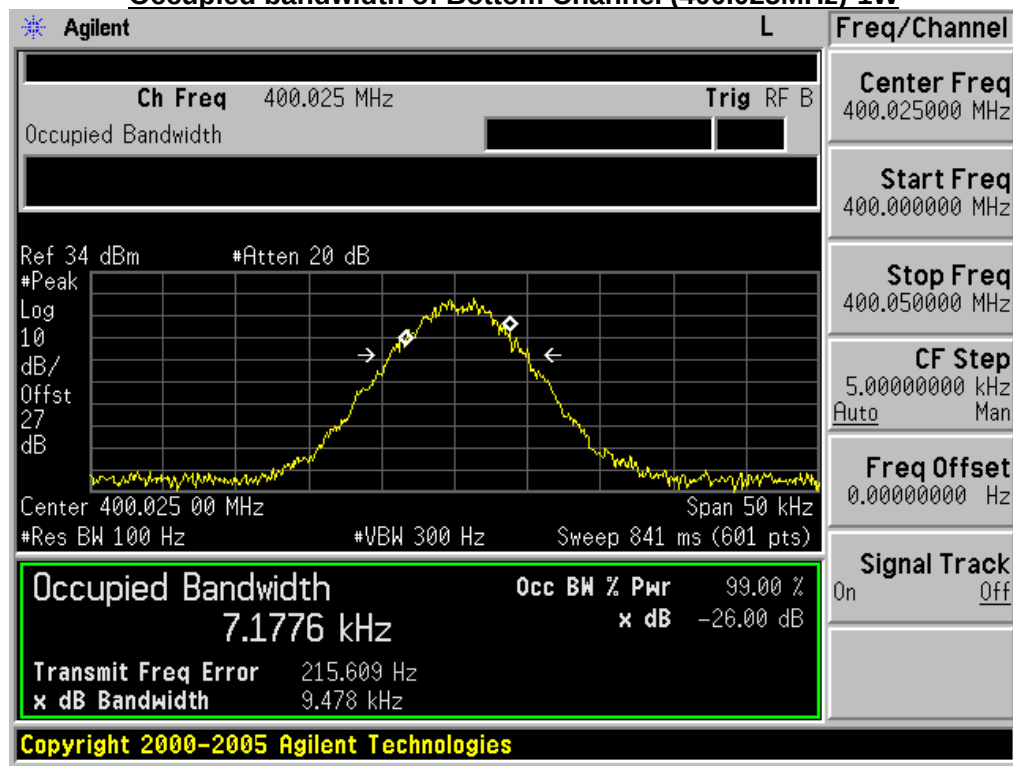
Occupied bandwidth of Top Channel (479.975MHz)-10W



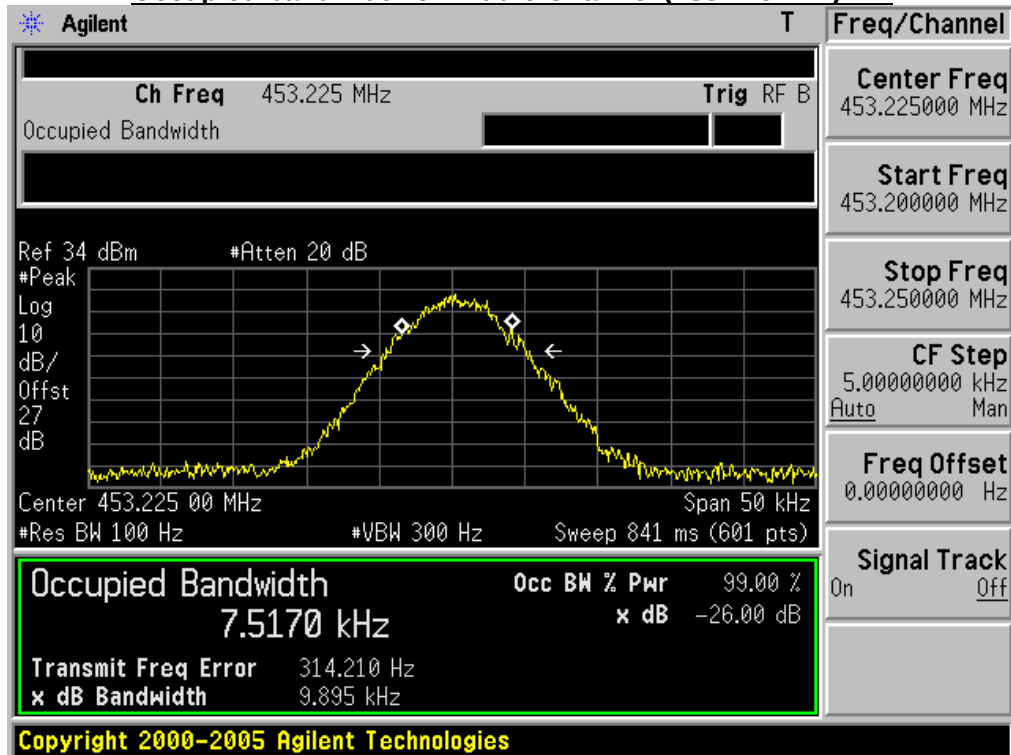
TEST RESULTS

26 DB BANDWIDTH MEASUREMENT RESULT			
Operating Frequency	12.5 KHz Channel Separation		
	Test Data	Limits	Result
400.025MHz	9.478 KHz	11.25 KHz	Pass
453.225MHz	9.895 KHz	11.25 KHz	Pass
454.025MHz	9.859 KHz	11.25 KHz	Pass
479.975MHz	9.469 KHz	11.25 KHz	Pass

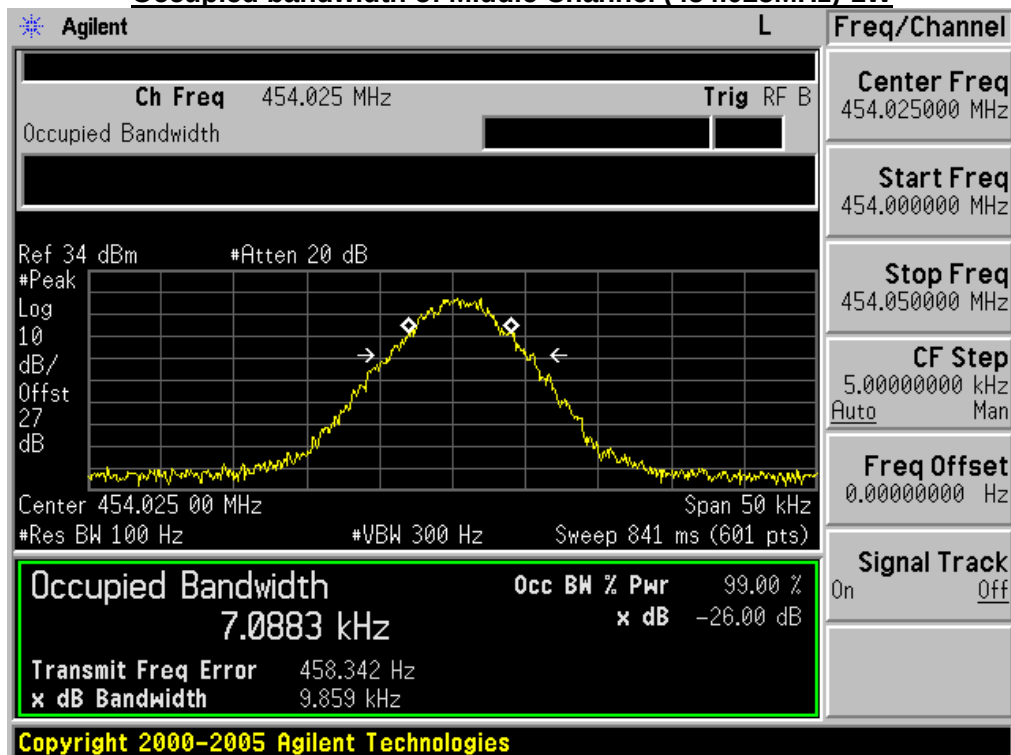
Occupied bandwidth of Bottom Channel (400.025MHz)-1W



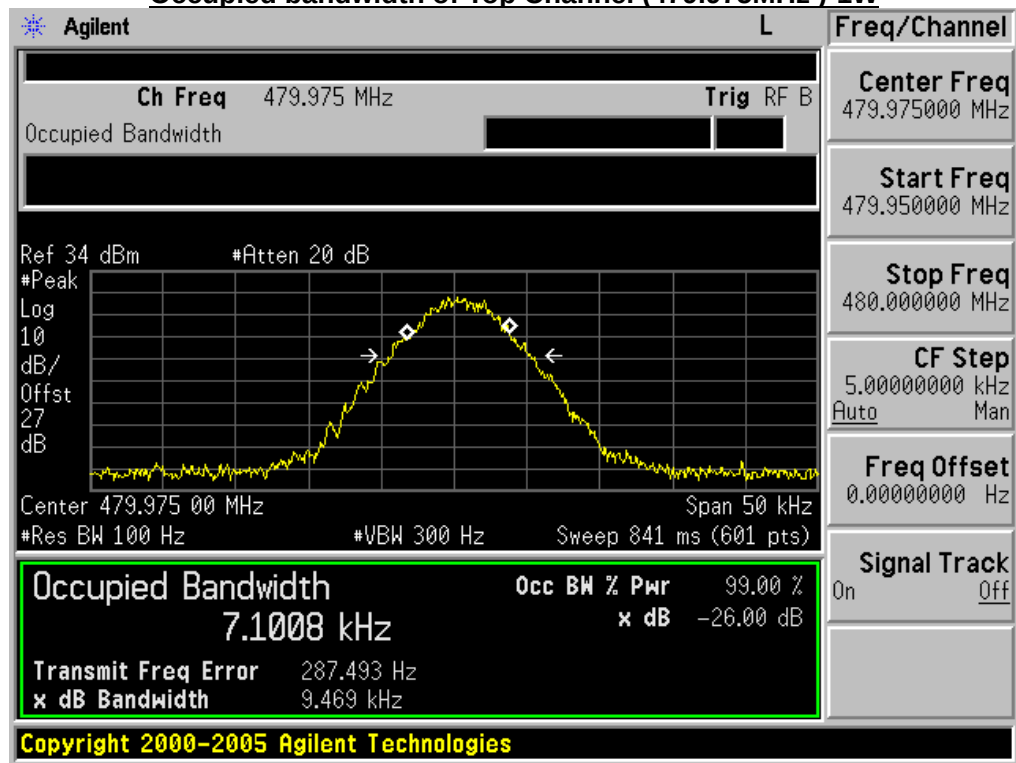
Occupied bandwidth of Middle Channel (453.225MHz)-1W



Occupied bandwidth of Middle Channel (454.025MHz)-1W



Occupied bandwidth of Top Channel (479.975MHz)-1W



8. UNWANTED RADIATION

8.1 PROVISIONS APPLICABLE

According to FCC §2.1049, §22.359 and §90.210, the power of each unwanted emission shall be less than Transmitted Power as specified below for transmitters designed to operate with each channel separation.

Emission Mask D -for 12.5 KHz Channel Separation:

- (1). On any frequency removed from the center of the authorized bandwidth f_0 to 5.625 KHz removed from f_0 : Zero dB.
- (2). On any frequency removed from the center of the authorized bandwidth by a displacement Frequency (f_d in KHz) f_0 of more than 5.625 KHz but no more than 12.5 KHz: At least $7.27(f_d - 2.88 \text{ KHz})$ dB
- (3). On any frequency removed from the center of the authorized bandwidth by a displacement Frequency (f_d in KHz) f_0 of more than 12.5 KHz: At least $50 + 10 \log(P)$ dB or 70 dB, whichever is lesser attenuation.

According to FCC §22.359:

- (a) *Out of band emissions*. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

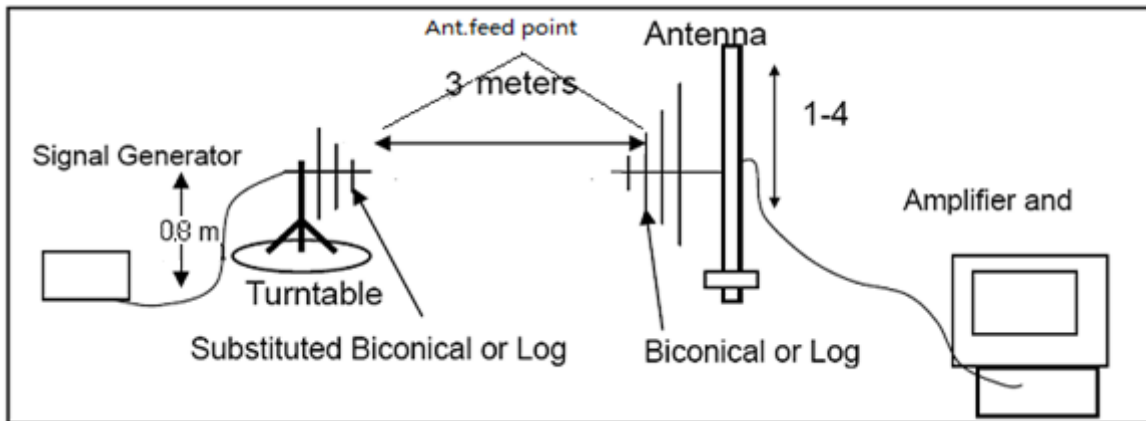
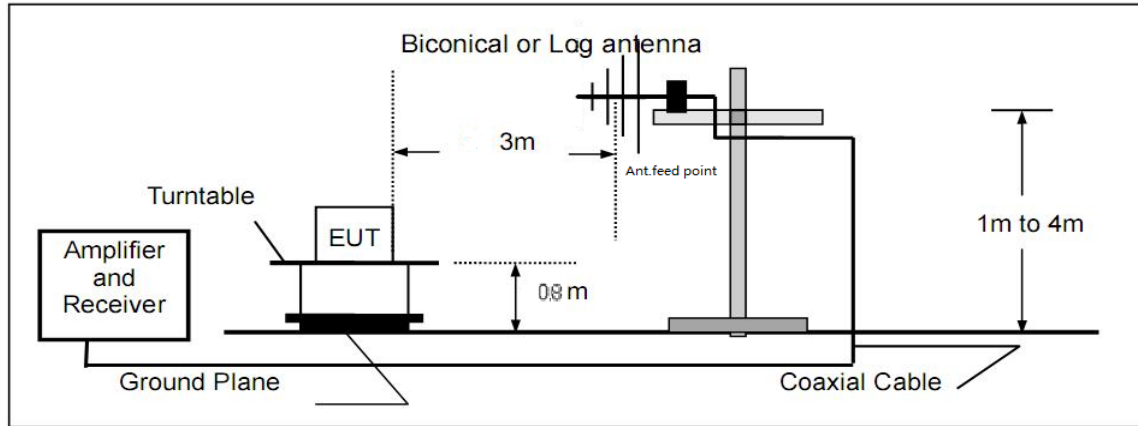
8.2 MEASUREMENT PROCEDURE

- (1) On a test site, the EUT shall be placed on a turntable, and in the position closest to the normal use as declared by the user.
- (2) The test antenna shall be oriented initially for vertical polarization located 3m from the EUT to correspond to the transmitter.
- (3) The output of the antenna shall be connected to the measuring receiver and either a peak or quasi-peak detector was used for the measurement as indicated on the report. The detector selection is based on how close the emission level was approaching the limit.
- (4) The transmitter shall be switched on; if possible, without the modulation and the measurement receiver shall be tuned to the frequency of the transmitter under test.
- (5) The test antenna shall be raised and lowered through the specified range of height until the measuring receiver detects a maximum signal level.
- (6) The transmitter shall then be rotated through 360° in the horizontal plane, until the maximum signal level is detected by the measuring receiver.
- (7) The test antenna shall be raised and lowered again through the specified range of height until the measuring receiver detects a maximum signal level.
- (8) The maximum signal level detected by the measuring receiver shall be noted.
- (9) The measurement shall be repeated with the test antenna set to horizontal polarization.
- (10) Replace the antenna with a proper Antenna (substitution antenna).
- (11) The substitution antenna shall be oriented for vertical polarization and, if necessary, the length of the substitution antenna shall be adjusted to correspond to the frequency of transmitting.
- (12) The substitution antenna shall be connected to a calibrated signal generator.
- (13) If necessary, the input attenuator setting of the measuring receiver shall be adjusted in order to increase the sensitivity of the measuring receiver.
- (14) The test antenna shall be raised and lowered through the specified range of the height to ensure that the maximum signal is received.
- (15) The input signal to substitution antenna shall be adjusted to the level that produces a level detected by the measuring receiver, that is equal to the level noted while the transmitter radiated power was measured, corrected for the change of input attenuator setting of the measuring receiver.
- (16) The input level to the substitution antenna shall be recorded as power level in dBm, corrected for any change of input attenuator setting of the measuring receiver.
- (17) The measurement shall be repeated with the test antenna and the substitution antenna oriented for horizontal polarization.

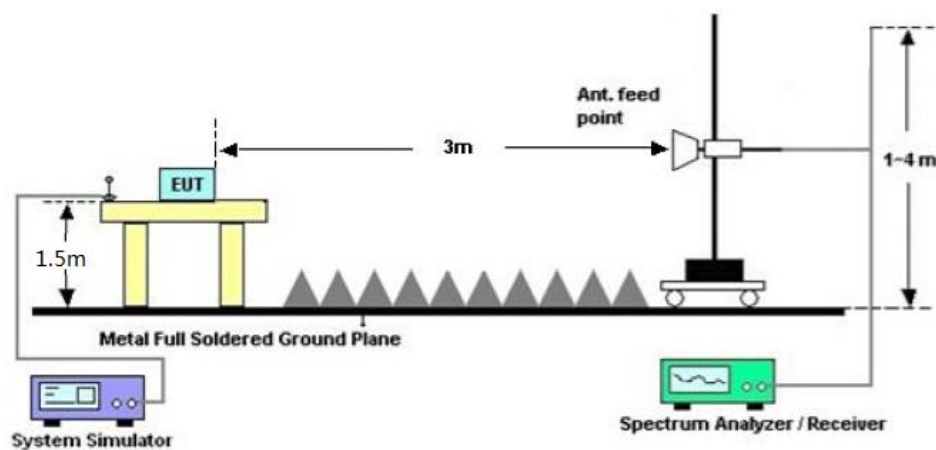
8.3 TEST SETUP BLOCK DIAGRAM

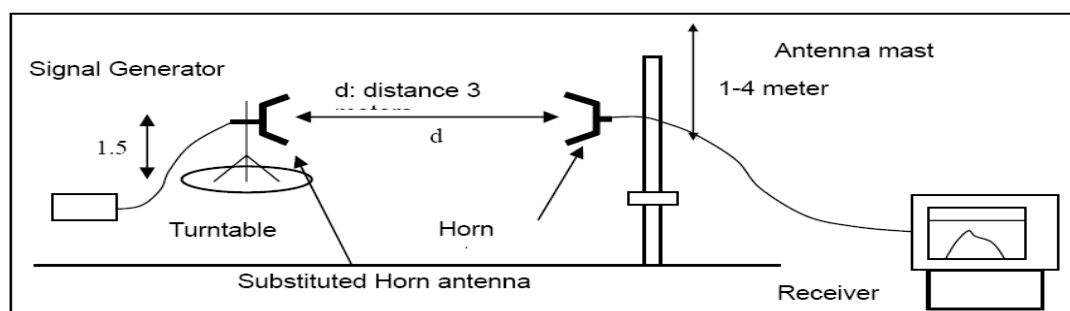
SUBSTITUTION METHOD: (Radiated Emissions)

Radiated Below 1GHz



Radiated Above 1 GHz





8.4 MEASUREMENT RESULTS:

Applicable Standard

FCC §2.1053, §22.359 and §90.210

On any frequency removed from the center of the authorized bandwidth by a displacement

Frequency (f_d in KHz) for of more than 12.5 KHz: at least $50 + 10 \log(P)$ dB or 70 dB, whichever is lesser attenuation.

Test Procedure

The RF output of the EUT was connected to a spectrum analyzer through appropriate attenuation. The resolution bandwidth of the spectrum analyzer was set at 100 kHz for below 1GHz and 1MHz for above 1GHz. Sufficient scans were taken to show any out of band emissions up to 10 harmonic.

In the semi-anechoic chamber, setup as illustrated above the DUT placed on the 0.8m height of Turn Table, rotated the table 45 degree each interval to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power for each degree interval. The "Read Value" is the spectrum reading of maximum power value.

The substitution antenna is substituted for DUT at the same position and signals generator (S.G) export the CW signal to the substitution antenna via a TX cable. The receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum radiation power. Record the power level of maximum radiation power from spectrum. So, the Measured substitution value = Ref level of S.G + TX cables loss – Substituted Antenna Gain.

$EIRP = \text{"Read Value"} + \text{Measured substitution value} + 2.15.$

Limit: FCC PART 90:

At least $50+10 \log (P) = 50+10 \log (60) = 67.78 \text{ (dB)}$ —60W 47.78-67.78=-20 dBm

At least $50+10 \log (P) = 50+10 \log (45) = 66.53 \text{ (dB)}$ —45W 46.53-66.53=-20dBm

At least $50+10 \log (P) = 50+10 \log (25) = 63.98 \text{ (dB)}$ —25W 43.98-63.98=-20dBm

At least $50+10 \log (P) = 50+10 \log (10) = 60 \text{ (dB)}$ —10W 40-60=-20dBm

At least $50+10 \log (P) = 50+10 \log (1) = 50 \text{ (dB)}$ —1W 30-50=-20dBm

FCC PART 22:

At least $43+10 \log (P) = 43+10 \log (60) = 60.78 \text{ (dB)}$ —60W 47.78-60.78=-13 dBm

At least $43+10 \log (P) = 43+10 \log (45) = 59.53 \text{ (dB)}$ —45W 46.53-59.53=-13dBm

At least $43+10 \log (P) = 43+10 \log (25) = 56.98 \text{ (dB)}$ —25W 43.98-56.98=-13dBm

At least $43+10 \log (P) = 43+10 \log (10) = 53 \text{ (dB)}$ —10W 40-53=-13dBm

At least $43+10 \log (P) = 43+10 \log (1) = 43 \text{ (dB)}$ —1W 30-43=-13dBm

VHF:
Analog:

Measurement Result for 12.5 KHz Channel Separation @ 136.025MHz-60W

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
136.025	H	0		pass
272.050	H	-34.53	-20	pass
408.08	H	-35.31	-20	pass
544.100	H	-38.04	-20	pass
680.125	H	-40.55	-20	pass
816.150	H	-41.25	-20	pass
952.175	H	-42.97	-20	pass
1088.200	H	-43.83	-20	pass
1224.225	H	-45.46	-20	pass
1360.250	H	-48.62	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
136.025	V	0		pass
272.050	V	-34.76	-20	pass
408.08	V	-36.51	-20	pass
544.100	V	-38.95	-20	pass
680.125	V	-40.31	-20	pass
816.150	V	-41.38	-20	pass
952.175	V	-43.75	-20	pass
1088.200	V	-45.64	-20	pass
1224.225	V	-47.08	-20	pass
1360.250	V	-48.41	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 151.850MHz-60W

Emission Frequency (MHz)	Ant. Polarity(H/H)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
151.850	H	0		pass
303.700	H	-33.68	-20	pass
455.550	H	-36.29	-20	pass
607.400	H	-37.56	-20	pass
759.250	H	-38.32	-20	pass
911.100	H	-40.40	-20	pass
1062.950	H	-40.37	-20	pass
1214.800	H	-42.10	-20	pass
1366.650	H	-42.77	-20	pass
1518.500	H	-44.66	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/H)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
151.850	V	0		pass
303.700	V	-32.60	-20	pass
455.550	V	-34.46	-20	pass
607.400	V	-36.25	-20	pass
759.250	V	-35.25	-20	pass
911.100	V	-37.53	-20	pass
1062.950	V	-42.14	-20	pass
1214.800	V	-41.37	-20	pass
1366.650	V	-42.02	-20	pass
1518.500	V	-47.32	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 155.025MHz-60W

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
155.025	H	0		pass
310.050	H	-29.64	-20	pass
465.075	H	-30.34	-20	pass
620.100	H	-30.93	-20	pass
775.125	H	-34.17	-20	pass
930.150	H	-38.13	-20	pass
1085.175	H	-40.94	-20	pass
1240.200	H	-45.80	-20	pass
1395.225	H	-47.42	-20	pass
1550.250	H	-48.26	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/H)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
155.025	V	0		pass
310.050	V	-32.40	-20	pass
465.075	V	-30.42	-20	pass
620.100	V	-34.58	-20	pass
775.125	V	-38.48	-20	pass
930.150	V	-36.15	-20	pass
1085.175	V	-38.06	-20	pass
1240.200	V	-41.57	-20	pass
1395.225	V	-42.61	-20	pass
1550.250	V	-45.34	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 161.610MHz-60W

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
161.610	H	0		pass
323.220	H	-32.3	-20	pass
484.83	H	-34.2	-20	pass
646.440	H	-35.1	-20	pass
808.050	H	-36.1	-20	pass
969.660	H	-38.3	-20	pass
1131.270	H	-40.5	-20	pass
1292.880	H	-41.8	-20	pass
1454.490	H	-44.4	-20	pass
1616.100	H	-48.9	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/H)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
161.610	V	0		pass
323.220	V	-35.4	-20	pass
484.83	V	-36.5	-20	pass
646.440	V	-38.7	-20	pass
808.050	V	-39.4	-20	pass
969.660	V	-41.2	-20	pass
1131.270	V	-42.9	-20	pass
1292.880	V	-45.3	-20	pass
1454.490	V	-46.5	-20	pass
1616.100	V	-49.0	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 173.975MHz-60W

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
173.975	H	0		pass
347.950	H	-34.7	-20	pass
521.925	H	-37.2	-20	pass
695.900	H	-36.0	-20	pass
869.875	H	-38.1	-20	pass
1043.850	H	-37.3	-20	pass
1217.825	H	-40.5	-20	pass
1391.800	H	-42.1	-20	pass
1565.775	H	-43.5	-20	pass
1739.750	H	-43.4	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
173.975	V	0		pass
347.950	V	-35.1	-20	pass
521.925	V	-36.0	-20	pass
695.900	V	-38.3	-20	pass
869.875	V	-39.2	-20	pass
1043.850	V	-42.0	-20	pass
1217.825	V	-44.3	-20	pass
1391.800	V	-44.7	-20	pass
1565.775	V	-47.9	-20	pass
1739.750	V	-50.0	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 136.025MHz-25W

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
136.025	H	0		pass
272.050	H	-34.36	-20	pass
408.08	H	-35.14	-20	pass
544.100	H	-37.98	-20	pass
680.125	H	-40.56	-20	pass
816.150	H	-41.27	-20	pass
952.175	H	-42.96	-20	pass
1088.200	H	-43.86	-20	pass
1224.225	H	-45.93	-20	pass
1360.250	H	-48.74	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
136.025	V	0		pass
272.050	V	-34.80	-20	pass
408.08	V	-36.33	-20	pass
544.100	V	-38.64	-20	pass
680.125	V	-40.42	-20	pass
816.150	V	-41.83	-20	pass
952.175	V	-43.62	-20	pass
1088.200	V	-45.37	-20	pass
1224.225	V	-47.33	-20	pass
1360.250	V	-48.80	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 151.850MHz-25W

Emission Frequency (MHz)	Ant. Polarity(H/H)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
151.850	H	0		pass
303.700	H	-33.34	-20	pass
455.550	H	-36.55	-20	pass
607.400	H	-37.37	-20	pass
759.250	H	-38.60	-20	pass
911.100	H	-40.22	-20	pass
1062.950	H	-40.29	-20	pass
1214.800	H	-42.10	-20	pass
1366.650	H	-42.77	-20	pass
1518.500	H	-44.65	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/H)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
151.850	V	0		pass
303.700	V	-32.62	-20	pass
455.550	V	-34.49	-20	pass
607.400	V	-36.57	-20	pass
759.250	V	-35.56	-20	pass
911.100	V	-37.49	-20	pass
1062.950	V	-42.06	-20	pass
1214.800	V	-41.73	-20	pass
1366.650	V	-42.22	-20	pass
1518.500	V	-47.81	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 155.025MHz-25W

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
155.025	H	0		pass
310.050	H	-29.94	-20	pass
465.075	H	-30.65	-20	pass
620.100	H	-31.15	-20	pass
775.125	H	-34.68	-20	pass
930.150	H	-39.00	-20	pass
1085.175	H	-41.29	-20	pass
1240.200	H	-46.65	-20	pass
1395.225	H	-48.02	-20	pass
1550.250	H	-48.93	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/H)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
155.025	V	0		pass
310.050	V	-32.50	-20	pass
465.075	V	-30.58	-20	pass
620.100	V	-34.74	-20	pass
775.125	V	-38.72	-20	pass
930.150	V	-36.31	-20	pass
1085.175	V	-38.16	-20	pass
1240.200	V	-41.25	-20	pass
1395.225	V	-42.63	-20	pass
1550.250	V	-45.60	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 161.610MHz-25W

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
161.610	H	0		pass
323.220	H	-32.4	-20	pass
484.83	H	-34.4	-20	pass
646.440	H	-35.3	-20	pass
808.050	H	-36.0	-20	pass
969.660	H	-38.3	-20	pass
1131.270	H	-40.6	-20	pass
1292.880	H	-41.6	-20	pass
1454.490	H	-44.3	-20	pass
1616.100	H	-48.8	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/H)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
161.610	V	0		pass
323.220	V	-35.3	-20	pass
484.83	V	-36.5	-20	pass
646.440	V	-38.9	-20	pass
808.050	V	-39.3	-20	pass
969.660	V	-41.1	-20	pass
1131.270	V	-42.8	-20	pass
1292.880	V	-44.9	-20	pass
1454.490	V	-46.5	-20	pass
1616.100	V	-49.2	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 173.975MHz-25W

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
173.975	H	0		pass
347.950	H	-34.4	-20	pass
521.925	H	-36.5	-20	pass
695.900	H	-35.7	-20	pass
869.875	H	-37.6	-20	pass
1043.850	H	-37.0	-20	pass
1217.825	H	-40.6	-20	pass
1391.800	H	-42.3	-20	pass
1565.775	H	-43.1	-20	pass
1739.750	H	-43.3	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
173.975	V	0		pass
347.950	V	-35.0	-20	pass
521.925	V	-35.9	-20	pass
695.900	V	-38.1	-20	pass
869.875	V	-39.1	-20	pass
1043.850	V	-42.2	-20	pass
1217.825	V	-44.3	-20	pass
1391.800	V	-45.1	-20	pass
1565.775	V	-47.9	-20	pass
1739.750	V	-50.2	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 136.025MHz-10W

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
136.025	H	0		pass
272.050	H	-34.0	-20	pass
408.08	H	-36.4	-20	pass
544.100	H	-37.8	-20	pass
680.125	H	-39.7	-20	pass
816.150	H	-40.2	-20	pass
952.175	H	-43.1	-20	pass
1088.200	H	-45.2	-20	pass
1224.225	H	-49.4	-20	pass
1360.250	H	-49.8	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/H)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
136.025	V	0		pass
272.050	V	-36.1	-20	pass
408.08	V	-37.1	-20	pass
544.100	V	-39.7	-20	pass
680.125	V	-40.3	-20	pass
816.150	V	-41.9	-20	pass
952.175	V	-42.8	-20	pass
1088.200	V	-50.0	-20	pass
1224.225	V	-50.5	-20	pass
1360.250	V	-50.6	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 151.850MHz-10W

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
151.850	H	0		pass
303.700	H	-36.4	-20	pass
455.550	H	-38.3	-20	pass
607.400	H	-40.9	-20	pass
759.250	H	-42.5	-20	pass
911.100	H	-43.3	-20	pass
1062.950	H	-46.8	-20	pass
1214.800	H	-49.8	-20	pass
1366.650	H	-50.5	-20	pass
1518.500	H	-52.8	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/H)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
151.85	V	0		pass
303.7	V	-34.2	-20	pass
455.55	V	-36.1	-20	pass
607.4	V	-36.7	-20	pass
759.25	V	-40.6	-20	pass
911.1	V	-43.6	-20	pass
1062.95	V	-45.6	-20	pass
1214.8	V	-47.7	-20	pass
1366.65	V	-49.2	-20	pass
1518.5	V	-49.9	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 155.025MHz-10W

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
155.025	H	0		pass
310.050	H	-38.3	-20	pass
465.075	H	-41.9	-20	pass
620.100	H	-39.1	-20	pass
775.125	H	-44.8	-20	pass
930.150	H	-44.9	-20	pass
1085.175	H	-49.5	-20	pass
1240.200	H	-51.4	-20	pass
1395.225	H	-49.5	-20	pass
1550.250	H	-48.5	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/H)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
155.025	V	0		pass
310.050	V	-39.3	-20	pass
465.075	V	-42.5	-20	pass
620.100	V	-45.2	-20	pass
775.125	V	-43.4	-20	pass
930.150	V	-44.2	-20	pass
1085.175	V	-43.0	-20	pass
1240.200	V	-48.3	-20	pass
1395.225	V	-51.1	-20	pass
1550.250	V	-51.9	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 161.610MHz-10W

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
161.610	H	0		pass
323.220	H	-38.7	-20	pass
484.830	H	-39.6	-20	pass
646.440	H	-43.5	-20	pass
808.050	H	-45.6	-20	pass
969.660	H	-45.2	-20	pass
1131.270	H	-47.7	-20	pass
1292.880	H	-49.7	-20	pass
1454.490	H	-50.5	-20	pass
1616.100	H	-50.4	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
173.975	V	0		pass
347.950	V	-35.1	-20	pass
521.925	V	-36.3	-20	pass
695.900	V	-39.0	-20	pass
869.875	V	-40.7	-20	pass
1043.850	V	-43.7	-20	pass
1217.825	V	-45.9	-20	pass
1391.800	V	-47.1	-20	pass
1565.775	V	-48.0	-20	pass
1739.750	V	-49.9	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 173.975MHz-10W

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
173.975	H	0		pass
347.950	H	-41.0	-20	pass
521.925	H	-43.6	-20	pass
695.900	H	-45.5	-20	pass
869.875	H	-43.5	-20	pass
1043.850	H	-44.9	-20	pass
1217.825	H	-46.7	-20	pass
1391.800	H	-46.8	-20	pass
1565.775	H	-48.6	-20	pass
1739.750	H	-48.9	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
173.975	V	0		pass
347.950	V	-34.5	-20	pass
521.925	V	-36.6	-20	pass
695.900	V	-39.8	-20	pass
869.875	V	-43.1	-20	pass
1043.850	V	-46.0	-20	pass
1217.825	V	-46.9	-20	pass
1391.800	V	-47.7	-20	pass
1565.775	V	-49.4	-20	pass
1739.750	V	-50.6	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 136.025MHz-1W

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
136.025	H	0		pass
272.050	H	-33.6	-20	pass
408.08	H	-35.9	-20	pass
544.100	H	-37.8	-20	pass
680.125	H	-39.4	-20	pass
816.150	H	-40.2	-20	pass
952.175	H	-43.0	-20	pass
1088.200	H	-45.8	-20	pass
1224.225	H	-49.6	-20	pass
1360.250	H	-50.1	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/H)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
136.025	V	0		pass
272.050	V	-36.5	-20	pass
408.08	V	-37.4	-20	pass
544.100	V	-40.1	-20	pass
680.125	V	-40.4	-20	pass
816.150	V	-42.4	-20	pass
952.175	V	-43.8	-20	pass
1088.200	V	-50.3	-20	pass
1224.225	V	-51.0	-20	pass
1360.250	V	-50.9	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 151.850MHz-1W

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
151.850	H	0		pass
303.700	H	-36.6	-20	pass
455.550	H	-38.5	-20	pass
607.400	H	-41.0	-20	pass
759.250	H	-42.6	-20	pass
911.100	H	-43.4	-20	pass
1062.950	H	-46.6	-20	pass
1214.800	H	-49.5	-20	pass
1366.650	H	-50.3	-20	pass
1518.500	H	-52.7	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/H)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
151.85	V	0		pass
303.7	V	-34.3	-20	pass
455.55	V	-35.9	-20	pass
607.4	V	-37.0	-20	pass
759.25	V	-40.2	-20	pass
911.1	V	-43.3	-20	pass
1062.95	V	-45.5	-20	pass
1214.8	V	-48.0	-20	pass
1366.65	V	-49.3	-20	pass
1518.5	V	-49.9	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 155.025MHz-1W

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
155.025	H	0		pass
310.050	H	-38.2	-20	pass
465.075	H	-42.1	-20	pass
620.100	H	-39.0	-20	pass
775.125	H	-44.7	-20	pass
930.150	H	-44.6	-20	pass
1085.175	H	-49.4	-20	pass
1240.200	H	-51.4	-20	pass
1395.225	H	-49.6	-20	pass
1550.250	H	-48.5	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/H)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
155.025	V	0		pass
310.050	V	-39.9	-20	pass
465.075	V	-42.6	-20	pass
620.100	V	-45.6	-20	pass
775.125	V	-43.7	-20	pass
930.150	V	-44.2	-20	pass
1085.175	V	-43.6	-20	pass
1240.200	V	-48.7	-20	pass
1395.225	V	-51.6	-20	pass
1550.250	V	-52.4	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 161.610MHz-1W

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
161.610	H	0		pass
323.220	H	-38.7	-20	pass
484.830	H	-39.5	-20	pass
646.440	H	-43.3	-20	pass
808.050	H	-45.3	-20	pass
969.660	H	-45.2	-20	pass
1131.270	H	-48.2	-20	pass
1292.880	H	-49.1	-20	pass
1454.490	H	-49.7	-20	pass
1616.100	H	-50.1	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
173.975	V	0		pass
347.950	V	-35.6	-20	pass
521.925	V	-36.0	-20	pass
695.900	V	-39.1	-20	pass
869.875	V	-40.2	-20	pass
1043.850	V	-43.7	-20	pass
1217.825	V	-46.1	-20	pass
1391.800	V	-46.9	-20	pass
1565.775	V	-47.8	-20	pass
1739.750	V	-49.6	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 173.975MHz-1W

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
173.975	H	0		pass
347.950	H	-40.6	-20	pass
521.925	H	-43.5	-20	pass
695.900	H	-45.1	-20	pass
869.875	H	-43.2	-20	pass
1043.850	H	-44.9	-20	pass
1217.825	H	-46.8	-20	pass
1391.800	H	-47.3	-20	pass
1565.775	H	-48.5	-20	pass
1739.750	H	-49.6	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
173.975	V	0		pass
347.950	V	-34.64	-20	pass
521.925	V	-36.81	-20	pass
695.900	V	-39.67	-20	pass
869.875	V	-43.50	-20	pass
1043.850	V	-46.14	-20	pass
1217.825	V	-47.04	-20	pass
1391.800	V	-47.48	-20	pass
1565.775	V	-49.06	-20	pass
1739.750	V	-50.42	-20	pass

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Measurement Result for 12.5 KHz Channel Separation @ 136.025MHz-60W

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
136.025	H	0		pass
272.050	H	-35.35	-20	pass
408.08	H	-36.41	-20	pass
544.100	H	-38.47	-20	pass
680.125	H	-40.14	-20	pass
816.150	H	-41.39	-20	pass
952.175	H	-42.21	-20	pass
1088.200	H	-43.42	-20	pass
1224.225	H	-48.82	-20	pass
1360.250	H	-49.36	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
136.025	V	0		pass
272.050	V	-36.60	-20	pass
408.08	V	-33.35	-20	pass
544.100	V	-35.74	-20	pass
680.125	V	-38.96	-20	pass
816.150	V	-37.62	-20	pass
952.175	V	-37.82	-20	pass
1088.200	V	-41.30	-20	pass
1224.225	V	-45.52	-20	pass
1360.250	V	-42.62	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 151.850MHz-60W

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
151.850	H	0		pass
303.700	H	-35.02	-20	pass
455.55	H	-35.88	-20	pass
607.400	H	-38.95	-20	pass
759.250	H	-40.23	-20	pass
911.100	H	-43.72	-20	pass
1062.950	H	-46.24	-20	pass
1214.800	H	-47.22	-20	pass
1366.650	H	-47.93	-20	pass
1518.500	H	-49.91	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
151.850	V	0		pass
303.700	V	-36.5	-20	pass
455.55	V	-38.4	-20	pass
607.400	V	-39.4	-20	pass
759.250	V	-43.4	-20	pass
911.100	V	-43.1	-20	pass
1062.950	V	-43.3	-20	pass
1214.800	V	-50.2	-20	pass
1366.650	V	-51.0	-20	pass
1518.500	V	-52.3	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 155.025MHz-60W

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
155.025	H	0		pass
310.050	H	-37.0	-20	pass
465.075	H	-37.3	-20	pass
620.100	H	-39.2	-20	pass
775.125	H	-39.8	-20	pass
930.150	H	-42.4	-20	pass
1085.175	H	-45.3	-20	pass
1240.200	H	-48.6	-20	pass
1395.225	H	-49.3	-20	pass
1550.250	H	-49.6	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/H)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
155.025	V	0		pass
310.050	V	-35.5	-20	pass
465.08	V	-35.3	-20	pass
620.100	V	-37.9	-20	pass
775.125	V	-39.3	-20	pass
930.150	V	-39.7	-20	pass
1085.175	V	-40.4	-20	pass
1240.200	V	-42.2	-20	pass
1395.225	V	-41.0	-20	pass
1550.250	V	-42.9	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 161.61MHz-60W

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
161.610	H	0		pass
323.220	H	-36.9	-20	pass
484.83	H	-37.6	-20	pass
646.440	H	-38.7	-20	pass
808.050	H	-40.0	-20	pass
969.660	H	-42.6	-20	pass
1131.270	H	-43.3	-20	pass
1292.880	H	-50.6	-20	pass
1454.490	H	-50.9	-20	pass
1616.100	H	-53.0	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
161.610	V	0		pass
323.220	V	-35.3	-20	pass
484.83	V	-35.5	-20	pass
646.440	V	-37.9	-20	pass
808.050	V	-38.8	-20	pass
969.660	V	-45.0	-20	pass
1131.270	V	-45.5	-20	pass
1292.880	V	-48.6	-20	pass
1454.490	V	-50.1	-20	pass
1616.100	V	-50.1	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 173.975MHz-60W

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
173.975	H	0		pass
347.950	H	-34.6	-20	pass
521.925	H	-35.1	-20	pass
695.900	H	-38.3	-20	pass
869.875	H	-40.9	-20	pass
1043.850	H	-41.8	-20	pass
1217.825	H	-41.8	-20	pass
1391.800	H	-45.6	-20	pass
1565.775	H	-50.3	-20	pass
1739.750	H	-51.5	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
173.975	V	0		pass
347.950	V	-33.3	58.45	pass
521.925	V	-33.3	58.45	pass
695.900	V	-38.1	58.45	pass
869.875	V	-39.9	58.45	pass
1043.850	V	-42.7	58.45	pass
1217.825	V	-45.8	58.45	pass
1391.800	V	-49.4	58.45	pass
1565.775	V	-51.2	58.45	pass
1739.750	V	-51.0	58.45	pass

Measurement Result for 12.5 KHz Channel Separation @ 136.025MHz-25W

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
136.025	H	0		pass
272.050	H	-35.8	-20	pass
408.08	H	-36.4	-20	pass
544.100	H	-38.9	-20	pass
680.125	H	-40.4	-20	pass
816.150	H	-41.9	-20	pass
952.175	H	-42.8	-20	pass
1088.200	H	-43.3	-20	pass
1224.225	H	-48.4	-20	pass
1360.250	H	-48.9	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/H)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
136.025	V	0		pass
272.050	V	-37.7	-20	pass
408.08	V	-38.7	-20	pass
544.100	V	-39.7	-20	pass
680.125	V	-43.6	-20	pass
816.150	V	-43.6	-20	pass
952.175	V	-45.4	-20	pass
1088.200	V	-49.9	-20	pass
1224.225	V	-51.1	-20	pass
1360.250	V	-52.1	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 151.850MHz-25W

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
151.850	H	0		pass
303.700	H	-38.5	-20	pass
455.55	H	-40.8	-20	pass
607.400	H	-47.0	-20	pass
759.250	H	-47.9	-20	pass
911.100	H	-43.6	-20	pass
1062.950	H	-42.6	-20	pass
1214.800	H	-45.1	-20	pass
1366.650	H	-47.4	-20	pass
1518.500	H	-51.8	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/H)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
151.850	V	0		pass
303.700	V	-37.3	-20	pass
455.55	V	-37.9	-20	pass
607.400	V	-39.3	-20	pass
759.250	V	-41.5	-20	pass
911.100	V	-43.9	-20	pass
1062.950	V	-45.6	-20	pass
1214.800	V	-46.3	-20	pass
1366.650	V	-50.5	-20	pass
1518.500	V	-52.8	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 155.025MHz-25W

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
155.025	H	0		pass
310.050	H	-38.9	-20	pass
465.075	H	-39.5	-20	pass
620.100	H	-40.7	-20	pass
775.125	H	-41.2	-20	pass
930.150	H	-42.4	-20	pass
1085.175	H	-44.2	-20	pass
1240.200	H	-49.6	-20	pass
1395.225	H	-50.4	-20	pass
1550.250	H	-50.6	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/H)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
155.025	V	0		pass
310.050	V	-34.6	-20	pass
465.075	V	-35.5	-20	pass
620.100	V	-38.5	-20	pass
775.125	V	-40.5	-20	pass
930.150	V	-45.7	-20	pass
1085.175	V	-47.3	-20	pass
1240.200	V	-49.0	-20	pass
1395.225	V	-50.5	-20	pass
1550.250	V	-51.9	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 161.610MHz-25W

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
161.610	H	0		pass
323.220	H	-36.7	-20	pass
484.83	H	-37.3	-20	pass
646.440	H	-38.5	-20	pass
808.050	H	-43.6	-20	pass
969.660	H	-46.3	-20	pass
1131.270	H	-47.8	-20	pass
1292.880	H	-48.5	-20	pass
1454.490	H	-50.3	-20	pass
1616.100	H	-52.5	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/H)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
161.610	V	0		pass
323.220	V	-36.1	-20	pass
484.83	V	-37.3	-20	pass
646.440	V	-40.1	-20	pass
808.050	V	-40.6	-20	pass
969.660	V	-43.2	-20	pass
1131.270	V	-46.3	-20	pass
1292.880	V	-50.2	-20	pass
1454.490	V	-50.4	-20	pass
1616.100	V	-51.3	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 173.975MHz-25W

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
173.975	H	0		pass
347.950	H	-33.3	-20	pass
521.925	H	-34.9	-20	pass
695.900	H	-37.1	-20	pass
869.875	H	-38.7	-20	pass
1043.850	H	-40.6	-20	pass
1217.825	H	-42.7	-20	pass
1391.800	H	-50.7	-20	pass
1565.775	H	-49.3	-20	pass
1739.750	H	-51.3	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
173.975	V	0		pass
347.950	V	-36.9	-20	pass
521.925	V	-38.8	-20	pass
695.900	V	-41.9	-20	pass
869.875	V	-46.9	-20	pass
1043.850	V	-48.8	-20	pass
1217.825	V	-49.7	-20	pass
1391.800	V	-48.0	-20	pass
1565.775	V	-51.8	-20	pass
1739.750	V	-52.3	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 136.025MHz-10W

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
136.025	H	0		pass
272.050	H	-35.4	-20	pass
408.08	H	-36.4	-20	pass
544.100	H	-38.4	-20	pass
680.125	H	-40.0	-20	pass
816.150	H	-41.4	-20	pass
952.175	H	-42.5	-20	pass
1088.200	H	-43.4	-20	pass
1224.225	H	-48.9	-20	pass
1360.250	H	-48.9	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/H)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
136.025	V	0		pass
272.050	V	-37.2	-20	pass
408.08	V	-38.7	-20	pass
544.100	V	-39.8	-20	pass
680.125	V	-43.1	-20	pass
816.150	V	-42.9	-20	pass
952.175	V	-44.9	-20	pass
1088.200	V	-49.3	-20	pass
1224.225	V	-50.5	-20	pass
1360.250	V	-52.0	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 151.850MHz-10W

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
151.850	H	0		pass
303.700	H	-38.4	-20	pass
455.55	H	-40.6	-20	pass
607.400	H	-46.2	-20	pass
759.250	H	-47.4	-20	pass
911.100	H	-43.0	-20	pass
1062.950	H	-42.5	-20	pass
1214.800	H	-45.3	-20	pass
1366.650	H	-47.2	-20	pass
1518.500	H	-52.0	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/H)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
151.850	V	0		pass
303.700	V	-37.4	-20	pass
455.55	V	-38.0	-20	pass
607.400	V	-39.1	-20	pass
759.250	V	-41.4	-20	pass
911.100	V	-43.9	-20	pass
1062.950	V	-45.8	-20	pass
1214.800	V	-46.4	-20	pass
1366.650	V	-50.4	-20	pass
1518.500	V	-52.6	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 155.025MHz-10W

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
155.025	H	0		pass
310.050	H	-38.6	-20	pass
465.075	H	-39.1	-20	pass
620.100	H	-40.2	-20	pass
775.125	H	-41.1	-20	pass
930.150	H	-42.3	-20	pass
1085.175	H	-44.2	-20	pass
1240.200	H	-49.6	-20	pass
1395.225	H	-50.7	-20	pass
1550.250	H	-50.9	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/H)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
155.025	V	0		pass
310.050	V	-34.2	-20	pass
465.075	V	-35.3	-20	pass
620.100	V	-38.1	-20	pass
775.125	V	-40.5	-20	pass
930.150	V	-45.3	-20	pass
1085.175	V	-47.2	-20	pass
1240.200	V	-48.5	-20	pass
1395.225	V	-50.3	-20	pass
1550.250	V	-51.9	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 161.610MHz-10W

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
161.610	H	0		pass
323.220	H	-36.5	-20	pass
484.83	H	-37.3	-20	pass
646.440	H	-38.8	-20	pass
808.050	H	-43.4	-20	pass
969.660	H	-46.4	-20	pass
1131.270	H	-47.8	-20	pass
1292.880	H	-48.2	-20	pass
1454.490	H	-50.7	-20	pass
1616.100	H	-52.4	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
161.610	V	0		pass
323.220	V	-35.6	-20	pass
484.83	V	-37.2	-20	pass
646.440	V	-39.9	-20	pass
808.050	V	-40.5	-20	pass
969.660	V	-42.8	-20	pass
1131.270	V	-46.1	-20	pass
1292.880	V	-50.1	-20	pass
1454.490	V	-50.7	-20	pass
1616.100	V	-51.2	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 173.975MHz-10W

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
173.975	H	0		pass
347.950	H	-33.8	-20	pass
521.925	H	-35.2	-20	pass
695.900	H	-37.2	-20	pass
869.875	H	-38.6	-20	pass
1043.850	H	-40.5	-20	pass
1217.825	H	-42.9	-20	pass
1391.800	H	-50.8	-20	pass
1565.775	H	-49.4	-20	pass
1739.750	H	-51.5	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
173.975	V	0		pass
347.950	V	-36.7	-20	pass
521.925	V	-38.8	-20	pass
695.900	V	-42.0	-20	pass
869.875	V	-46.5	-20	pass
1043.850	V	-49.1	-20	pass
1217.825	V	-49.6	-20	pass
1391.800	V	-48.8	-20	pass
1565.775	V	-52.2	-20	pass
1739.750	V	-52.8	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 136.025MHz-1W

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
136.025	H	0		pass
272.050	H	-35.5	-20	pass
408.08	H	-36.4	-20	pass
544.100	H	-38.6	-20	pass
680.125	H	-39.8	-20	pass
816.150	H	-41.3	-20	pass
952.175	H	-42.6	-20	pass
1088.200	H	-43.5	-20	pass
1224.225	H	-48.9	-20	pass
1360.250	H	-49.0	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/H)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
136.025	V	0		pass
272.050	V	-37.6	-20	pass
408.08	V	-38.3	-20	pass
544.100	V	-39.8	-20	pass
680.125	V	-43.5	-20	pass
816.150	V	-43.2	-20	pass
952.175	V	-44.8	-20	pass
1088.200	V	-49.8	-20	pass
1224.225	V	-51.0	-20	pass
1360.250	V	-52.7	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 151.850MHz-1W

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
151.850	H	0		pass
303.700	H	-38.9	-20	pass
455.55	H	-41.0	-20	pass
607.400	H	-46.5	-20	pass
759.250	H	-47.5	-20	pass
911.100	H	-43.6	-20	pass
1062.950	H	-42.9	-20	pass
1214.800	H	-45.9	-20	pass
1366.650	H	-47.4	-20	pass
1518.500	H	-52.3	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/H)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
151.850	V	0		pass
303.700	V	-37.3	-20	pass
455.55	V	-38.0	-20	pass
607.400	V	-39.5	-20	pass
759.250	V	-41.5	-20	pass
911.100	V	-44.1	-20	pass
1062.950	V	-45.9	-20	pass
1214.800	V	-46.1	-20	pass
1366.650	V	-50.7	-20	pass
1518.500	V	-52.7	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 155.025MHz-1W

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
155.025	H	0		pass
310.050	H	-38.8	-20	pass
465.075	H	-39.1	-20	pass
620.100	H	-40.3	-20	pass
775.125	H	-41.4	-20	pass
930.150	H	-42.3	-20	pass
1085.175	H	-44.6	-20	pass
1240.200	H	-50.0	-20	pass
1395.225	H	-50.9	-20	pass
1550.250	H	-51.0	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/H)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
155.025	V	0		pass
310.050	V	-34.2	-20	pass
465.075	V	-35.4	-20	pass
620.100	V	-38.2	-20	pass
775.125	V	-40.7	-20	pass
930.150	V	-45.5	-20	pass
1085.175	V	-47.3	-20	pass
1240.200	V	-48.8	-20	pass
1395.225	V	-50.5	-20	pass
1550.250	V	-52.1	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 161.610MHz-1W

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
161.610	H	0		pass
323.220	H	-36.5	-20	pass
484.83	H	-37.5	-20	pass
646.440	H	-38.4	-20	pass
808.050	H	-43.5	-20	pass
969.660	H	-46.3	-20	pass
1131.270	H	-47.9	-20	pass
1292.880	H	-48.0	-20	pass
1454.490	H	-50.2	-20	pass
1616.100	H	-52.3	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/H)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
161.610	V	0		pass
323.220	V	-35.6	-20	pass
484.83	V	-37.0	-20	pass
646.440	V	-39.4	-20	pass
808.050	V	-40.6	-20	pass
969.660	V	-42.5	-20	pass
1131.270	V	-46.2	-20	pass
1292.880	V	-50.4	-20	pass
1454.490	V	-50.7	-20	pass
1616.100	V	-51.1	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 173.975MHz-1W

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
173.975	H	0		pass
347.950	H	-33.7	-20	pass
521.925	H	-35.3	-20	pass
695.900	H	-37.1	-20	pass
869.875	H	-39.0	-20	pass
1043.850	H	-40.5	-20	pass
1217.825	H	-42.7	-20	pass
1391.800	H	-50.4	-20	pass
1565.775	H	-49.1	-20	pass
1739.750	H	-51.1	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
173.975	V	0		pass
347.950	V	-36.4	-20	pass
521.925	V	-38.1	-20	pass
695.900	V	-41.9	-20	pass
869.875	V	-46.2	-20	pass
1043.850	V	-48.4	-20	pass
1217.825	V	-49.2	-20	pass
1391.800	V	-48.3	-20	pass
1565.775	V	-52.0	-20	pass
1739.750	V	-52.6	-20	pass

UHF:

Analog:

TEST RESULTS--45W
Measurement Result for 12.5 KHz Channel Separation @ 400.025MHz

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
400.025	H	0		pass
800.050	H	-31.6	-20	pass
1200.075	H	-33.0	-20	pass
1600.100	H	-36.5	-20	pass
2000.125	H	-37.5	-20	pass
2400.150	H	-38.6	-20	pass
2800.175	H	-40.5	-20	pass
3200.200	H	-50.4	-20	pass
3600.225	H	-51.7	-20	pass
4000.250	H	-52.8	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
400.025	V	0		pass
800.050	V	-35.8	-20	pass
1200.075	V	-37.5	-20	pass
1600.100	V	-36.3	-20	pass
2000.125	V	-40.7	-20	pass
2400.150	V	-41.4	-20	pass
2800.175	V	-40.8	-20	pass
3200.200	V	-40.2	-20	pass
3600.225	V	-50.6	-20	pass
4000.250	V	-51.2	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 454.025MHz

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
454.025	V	0		pass
908.050	V	-36.4	-20	pass
1362.075	V	-38.7	-20	pass
1816.100	V	-39.3	-20	pass
2270.125	V	-45.5	-20	pass
2724.150	V	-46.2	-20	pass
3178.175	V	-50.2	-20	pass
3632.200	V	-48.6	-20	pass
4086.225	V	-51.2	-20	pass
4540.250	V	-50.7	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
454.025	H	0		pass
908.050	H	-33.7	-20	pass
1362.075	H	-34.2	-20	pass
1816.100	H	-36.5	-20	pass
2270.125	H	-39.6	-20	pass
2724.150	H	-41.0	-20	pass
3178.175	H	-42.8	-20	pass
3632.200	H	-43.9	-20	pass
4086.225	H	-52.1	-20	pass
4540.250	H	-52.2	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 479.975MHz

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
479.975	H	0		pass
959.950	H	-36.4	-20	pass
1439.925	H	-37.8	-20	pass
1919.900	H	-39.4	-20	pass
2399.875	H	-41.2	-20	pass
2879.850	H	-42.8	-20	pass
3359.825	H	-43.8	-20	pass
3839.800	H	-50.6	-20	pass
4319.775	H	-50.8	-20	pass
4799.750	H	-51.9	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
479.975	V	0		pass
959.950	V	-36.0	-20	pass
1439.925	V	-36.7	-20	pass
1919.900	V	-39.4	-20	pass
2399.875	V	-40.5	-20	pass
2879.850	V	-41.5	-20	pass
3359.825	V	-43.7	-20	pass
3839.800	V	-50.3	-20	pass
4319.775	V	-50.5	-20	pass
4799.750	V	-53.2	-20	pass

TEST RESULTS—25W

Measurement Result for 12.5 KHz Channel Separation @ 400.025MHz

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
400.025	H	0		pass
800.050	H	-35.7	-20	pass
1200.075	H	-36.9	-20	pass
1600.100	H	-39.7	-20	pass
2000.125	H	-43.6	-20	pass
2400.150	H	-43.0	-20	pass
2800.175	H	-45.7	-20	pass
3200.200	H	-49.5	-20	pass
3600.225	H	-50.8	-20	pass
4000.250	H	-52.2	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
400.025	V	0		pass
800.050	V	-37.0	-20	pass
1200.075	V	-37.4	-20	pass
1600.100	V	-39.1	-20	pass
2000.125	V	-39.9	-20	pass
2400.150	V	-42.5	-20	pass
2800.175	V	-44.9	-20	pass
3200.200	V	-48.4	-20	pass
3600.225	V	-50.8	-20	pass
4000.250	V	-52.1	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 454.025MHz

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
454.025	H	0		pass
908.050	H	-36.6	-20	pass
1362.075	H	-38.3	-20	pass
1816.100	H	-39.6	-20	pass
2270.125	H	-42.9	-20	pass
2724.150	H	-45.1	-20	pass
3178.175	H	-46.3	-20	pass
3632.200	H	-45.6	-20	pass
4086.225	H	-50.7	-20	pass
4540.250	H	-51.2	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
454.025	V	0		pass
908.050	V	-36.9	-20	pass
1362.075	V	-39.1	-20	pass
1816.100	V	-42.5	-20	pass
2270.125	V	-44.6	-20	pass
2724.150	V	-47.4	-20	pass
3178.175	V	-48.5	-20	pass
3632.200	V	-49.8	-20	pass
4086.225	V	-50.4	-20	pass
4540.250	V	-51.8	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 479.975MHz

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
479.975	H	0		pass
959.950	H	-35.7	-20	pass
1439.925	H	-37.2	-20	pass
1919.900	H	-39.3	-20	pass
2399.875	H	-43.6	-20	pass
2879.850	H	-43.1	-20	pass
3359.825	H	-45.6	-20	pass
3839.800	H	-50.4	-20	pass
4319.775	H	-51.1	-20	pass
4799.750	H	-52.1	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
479.975	V	0		pass
959.950	V	-39.5	-20	pass
1439.925	V	-42.6	-20	pass
1919.900	V	-41.3	-20	pass
2399.875	V	-43.7	-20	pass
2879.850	V	-46.0	-20	pass
3359.825	V	-47.4	-20	pass
3839.800	V	-49.1	-20	pass
4319.775	V	-50.0	-20	pass
4799.750	V	-51.5	-20	pass

TEST RESULTS—10W

Measurement Result for 12.5 KHz Channel Separation @ 400.025MHz

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
400.025	H	0		pass
800.050	H	-35.9	-20	pass
1200.075	H	-37.3	-20	pass
1600.100	H	-39.8	-20	pass
2000.125	H	-43.4	-20	pass
2400.150	H	-43.3	-20	pass
2800.175	H	-45.8	-20	pass
3200.200	H	-49.8	-20	pass
3600.225	H	-50.4	-20	pass
4000.250	H	-52.2	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
400.025	V	0		pass
800.050	V	-36.7	-20	pass
1200.075	V	-37.6	-20	pass
1600.100	V	-39.4	-20	pass
2000.125	V	-39.6	-20	pass
2400.150	V	-42.8	-20	pass
2800.175	V	-44.8	-20	pass
3200.200	V	-48.6	-20	pass
3600.225	V	-50.8	-20	pass
4000.250	V	-52.1	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 454.025MHz

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
454.025	H	0		pass
908.050	H	-36.1	-20	pass
1362.075	H	-37.7	-20	pass
1816.100	H	-39.1	-20	pass
2270.125	H	-42.5	-20	pass
2724.150	H	-44.5	-20	pass
3178.175	H	-46.1	-20	pass
3632.200	H	-45.9	-20	pass
4086.225	H	-50.4	-20	pass
4540.250	H	-50.9	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
454.025	V	0		pass
908.050	V	-37.0	-20	pass
1362.075	V	-39.1	-20	pass
1816.100	V	-42.7	-20	pass
2270.125	V	-44.4	-20	pass
2724.150	V	-47.3	-20	pass
3178.175	V	-48.4	-20	pass
3632.200	V	-50.5	-20	pass
4086.225	V	-50.7	-20	pass
4540.250	V	-51.9	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 479.975MHz

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
479.975	H	0		pass
959.950	H	-35.8	-20	pass
1439.925	H	-37.1	-20	pass
1919.900	H	-39.3	-20	pass
2399.875	H	-43.5	-20	pass
2879.850	H	-43.0	-20	pass
3359.825	H	-45.8	-20	pass
3839.800	H	-50.3	-20	pass
4319.775	H	-50.7	-20	pass
4799.750	H	-51.8	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
479.975	V	0		pass
959.950	V	-39.5	-20	pass
1439.925	V	-41.9	-20	pass
1919.900	V	-41.1	-20	pass
2399.875	V	-43.3	-20	pass
2879.850	V	-45.8	-20	pass
3359.825	V	-46.5	-20	pass
3839.800	V	-49.1	-20	pass
4319.775	V	-50.0	-20	pass
4799.750	V	-51.2	-20	pass

TEST RESULTS—1W

Measurement Result for 12.5 KHz Channel Separation @ 400.025MHz

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
400.025	H	0		pass
800.050	H	-35.6	-20	pass
1200.075	H	-36.8	-20	pass
1600.100	H	-39.5	-20	pass
2000.125	H	-43.2	-20	pass
2400.150	H	-42.9	-20	pass
2800.175	H	-45.5	-20	pass
3200.200	H	-49.4	-20	pass
3600.225	H	-50.3	-20	pass
4000.250	H	-52.0	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
400.025	V	0		pass
800.050	V	-37.0	-20	pass
1200.075	V	-37.7	-20	pass
1600.100	V	-39.0	-20	pass
2000.125	V	-39.6	-20	pass
2400.150	V	-42.4	-20	pass
2800.175	V	-44.9	-20	pass
3200.200	V	-48.7	-20	pass
3600.225	V	-50.4	-20	pass
4000.250	V	-52.0	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 454.025MHz

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
454.025	H	0		pass
908.050	H	-36.5	-20	pass
1362.075	H	-38.1	-20	pass
1816.100	H	-39.7	-20	pass
2270.125	H	-42.8	-20	pass
2724.150	H	-45.0	-20	pass
3178.175	H	-46.6	-20	pass
3632.200	H	-45.7	-20	pass
4086.225	H	-50.5	-20	pass
4540.250	H	-51.1	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
454.025	V	0		pass
908.050	V	-37.0	-20	pass
1362.075	V	-39.0	-20	pass
1816.100	V	-42.8	-20	pass
2270.125	V	-44.7	-20	pass
2724.150	V	-47.2	-20	pass
3178.175	V	-48.5	-20	pass
3632.200	V	-50.1	-20	pass
4086.225	V	-50.5	-20	pass
4540.250	V	-51.6	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 479.975MHz

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
479.975	H	0		pass
959.950	H	-35.9	-20	pass
1439.925	H	-37.1	-20	pass
1919.900	H	-39.2	-20	pass
2399.875	H	-43.6	-20	pass
2879.850	H	-43.4	-20	pass
3359.825	H	-45.8	-20	pass
3839.800	H	-50.2	-20	pass
4319.775	H	-50.5	-20	pass
4799.750	H	-51.8	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
479.975	V	0		pass
959.950	V	-40.0	-20	pass
1439.925	V	-42.5	-20	pass
1919.900	V	-41.5	-20	pass
2399.875	V	-43.8	-20	pass
2879.850	V	-46.1	-20	pass
3359.825	V	-47.3	-20	pass
3839.800	V	-49.4	-20	pass
4319.775	V	-50.4	-20	pass
4799.750	V	-51.7	-20	pass

Digital:

TEST RESULTS-45W
Measurement Result for 12.5 KHz Channel Separation @ 400.025MHz

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
400.025	H	0		pass
800.050	H	-35.1	-20	pass
1200.075	H	-36.6	-20	pass
1600.100	H	-37.2	-20	pass
2000.125	H	-39.4	-20	pass
2400.150	H	-38.5	-20	pass
2800.175	H	-40.6	-20	pass
3200.200	H	-42.3	-20	pass
3600.225	H	-42.5	-20	pass
4000.250	H	-43.6	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
400.025	V	0		pass
800.050	V	-34.3	-20	pass
1200.075	V	-35.7	-20	pass
1600.100	V	-35.5	-20	pass
2000.125	V	-40.5	-20	pass
2400.150	V	-41.8	-20	pass
2800.175	V	-43.2	-20	pass
3200.200	V	-43.6	-20	pass
3600.225	V	-42.0	-20	pass
4000.250	V	-43.0	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 454.025MHz

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
454.025	H	0		pass
908.050	H	-35.3	-20	pass
1362.075	H	-36.1	-20	pass
1816.100	H	-37.0	-20	pass
2270.125	H	-39.9	-20	pass
2724.150	H	-41.9	-20	pass
3178.175	H	-40.1	-20	pass
3632.200	H	-40.7	-20	pass
4086.225	H	-46.0	-20	pass
4540.250	H	-45.5	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
454.025	V	0		pass
908.050	V	-33.3	-20	pass
1362.075	V	-36.6	-20	pass
1816.100	V	-35.5	-20	pass
2270.125	V	-39.7	-20	pass
2724.150	V	-38.0	-20	pass
3178.175	V	-40.7	-20	pass
3632.200	V	-43.6	-20	pass
4086.225	V	-41.2	-20	pass
4540.250	V	-47.5	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 479.975MHz

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
479.975	H	0		pass
959.950	H	-33.6	-20	pass
1439.925	H	-36.1	-20	pass
1919.900	H	-38.0	-20	pass
2399.875	H	-42.1	-20	pass
2879.850	H	-44.0	-20	pass
3359.825	H	-44.4	-20	pass
3839.800	H	-49.6	-20	pass
4319.775	H	-51.8	-20	pass
4799.750	H	-51.4	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
479.975	V	0		pass
959.950	V	-35.1	-20	pass
1439.925	V	-38.9	-20	pass
1919.900	V	-39.9	-20	pass
2399.875	V	-40.1	-20	pass
2879.850	V	-46.3	-20	pass
3359.825	V	-47.3	-20	pass
3839.800	V	-53.6	-20	pass
4319.775	V	-54.9	-20	pass
4799.750	V	-55.3	-20	pass

TEST RESULTS-25W
Measurement Result for 12.5 KHz Channel Separation @ 400.025MHz

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
400.025	H	0		pass
800.050	H	-35.5	-20	pass
1200.075	H	-36.6	-20	pass
1600.100	H	-37.2	-20	pass
2000.125	H	-38.5	-20	pass
2400.150	H	-39.7	-20	pass
2800.175	H	-40.5	-20	pass
3200.200	H	-50.1	-20	pass
3600.225	H	-51.2	-20	pass
4000.250	H	-52.4	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
400.025	V	0		pass
800.050	V	-35.3	-20	pass
1200.075	V	-36.8	-20	pass
1600.100	V	-39.5	-20	pass
2000.125	V	-40.6	-20	pass
2400.150	V	-41.2	-20	pass
2800.175	V	-43.4	-20	pass
3200.200	V	-49.5	-20	pass
3600.225	V	-50.6	-20	pass
4000.250	V	-51.1	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 454.025MHz

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
454.025	H	0		pass
908.050	H	-38.9	-20	pass
1362.075	H	-40.0	-20	pass
1816.100	H	-40.9	-20	pass
2270.125	H	-42.7	-20	pass
2724.150	H	-44.7	-20	pass
3178.175	H	-46.6	-20	pass
3632.200	H	-49.3	-20	pass
4086.225	H	-50.2	-20	pass
4540.250	H	-51.1	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
454.025	V	0		pass
908.050	V	-38.2	-20	pass
1362.075	V	-39.4	-20	pass
1816.100	V	-41.7	-20	pass
2270.125	V	-42.1	-20	pass
2724.150	V	-42.8	-20	pass
3178.175	V	-45.8	-20	pass
3632.200	V	-49.0	-20	pass
4086.225	V	-49.5	-20	pass
4540.250	V	-52.3	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 479.975MHz

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
479.975	H	0		pass
959.950	H	-39.8	-20	pass
1439.925	H	-40.6	-20	pass
1919.900	H	-42.7	-20	pass
2399.875	H	-46.2	-20	pass
2879.850	H	-48.1	-20	pass
3359.825	H	-48.4	-20	pass
3839.800	H	-49.9	-20	pass
4319.775	H	-50.5	-20	pass
4799.750	H	-52.3	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
479.975	V	0		pass
959.950	V	-40.3	-20	pass
1439.925	V	-40.1	-20	pass
1919.900	V	-41.4	-20	pass
2399.875	V	-43.7	-20	pass
2879.850	V	-44.6	-20	pass
3359.825	V	-45.7	-20	pass
3839.800	V	-48.5	-20	pass
4319.775	V	-49.3	-20	pass
4799.750	V	-51.1	-20	pass

TEST RESULTS-10W
Measurement Result for 12.5 KHz Channel Separation @ 400.025MHz

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
400.025	H	0		pass
800.050	H	-39.9	-20	pass
1200.075	H	-40.6	-20	pass
1600.100	H	-41.7	-20	pass
2000.125	H	-43.6	-20	pass
2400.150	H	-44.6	-20	pass
2800.175	H	-45.8	-20	pass
3200.200	H	-48.3	-20	pass
3600.225	H	-49.6	-20	pass
4000.250	H	-50.6	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
400.025	V	0		pass
800.050	V	-35.6	-20	pass
1200.075	V	-36.8	-20	pass
1600.100	V	-39.4	-20	pass
2000.125	V	-40.4	-20	pass
2400.150	V	-41.5	-20	pass
2800.175	V	-43.5	-20	pass
3200.200	V	-49.4	-20	pass
3600.225	V	-50.2	-20	pass
4000.250	V	-51.0	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 454.025MHz

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
454.025	H	0		pass
908.050	H	-39.6	-20	pass
1362.075	H	-40.3	-20	pass
1816.100	H	-41.5	-20	pass
2270.125	H	-43.2	-20	pass
2724.150	H	-45.1	-20	pass
3178.175	H	-46.9	-20	pass
3632.200	H	-50.1	-20	pass
4086.225	H	-50.4	-20	pass
4540.250	H	-51.3	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
454.025	V	0		pass
908.050	V	-38.6	-20	pass
1362.075	V	-39.6	-20	pass
1816.100	V	-41.7	-20	pass
2270.125	V	-42.1	-20	pass
2724.150	V	-43.1	-20	pass
3178.175	V	-45.3	-20	pass
3632.200	V	-49.2	-20	pass
4086.225	V	-49.4	-20	pass
4540.250	V	-52.1	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 479.975MHz

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
479.975	H	0		pass
959.950	H	-39.4	-20	pass
1439.925	H	-40.3	-20	pass
1919.900	H	-42.8	-20	pass
2399.875	H	-46.0	-20	pass
2879.850	H	-48.0	-20	pass
3359.825	H	-48.6	-20	pass
3839.800	H	-50.6	-20	pass
4319.775	H	-51.2	-20	pass
4799.750	H	-52.7	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
479.975	V	0		pass
959.950	V	-40.1	-20	pass
1439.925	V	-40.1	-20	pass
1919.900	V	-41.7	-20	pass
2399.875	V	-43.5	-20	pass
2879.850	V	-44.3	-20	pass
3359.825	V	-45.5	-20	pass
3839.800	V	-48.8	-20	pass
4319.775	V	-50.0	-20	pass
4799.750	V	-51.4	-20	pass

TEST RESULTS-1W
Measurement Result for 12.5 KHz Channel Separation @ 400.025MHz

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
400.025	H	0		pass
800.050	H	-35.5	-20	pass
1200.075	H	-36.8	-20	pass
1600.100	H	-37.2	-20	pass
2000.125	H	-38.4	-20	pass
2400.150	H	-39.9	-20	pass
2800.175	H	-40.2	-20	pass
3200.200	H	-50.5	-20	pass
3600.225	H	-51.5	-20	pass
4000.250	H	-53.0	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
400.025	V	0		pass
800.050	V	-35.7	-20	pass
1200.075	V	-36.9	-20	pass
1600.100	V	-39.4	-20	pass
2000.125	V	-40.3	-20	pass
2400.150	V	-41.4	-20	pass
2800.175	V	-43.3	-20	pass
3200.200	V	-49.6	-20	pass
3600.225	V	-50.7	-20	pass
4000.250	V	-51.6	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 454.025MHz

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
454.025	H	0		pass
908.050	H	-39.6	-20	pass
1362.075	H	-40.6	-20	pass
1816.100	H	-41.6	-20	pass
2270.125	H	-43.4	-20	pass
2724.150	H	-44.7	-20	pass
3178.175	H	-47.3	-20	pass
3632.200	H	-49.8	-20	pass
4086.225	H	-50.1	-20	pass
4540.250	H	-51.3	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
454.025	V	0		pass
908.050	V	-38.5	-20	pass
1362.075	V	-39.8	-20	pass
1816.100	V	-41.4	-20	pass
2270.125	V	-41.8	-20	pass
2724.150	V	-42.9	-20	pass
3178.175	V	-45.3	-20	pass
3632.200	V	-49.1	-20	pass
4086.225	V	-49.5	-20	pass
4540.250	V	-52.3	-20	pass

Measurement Result for 12.5 KHz Channel Separation @ 479.975MHz

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
479.975	H	0		pass
959.950	H	-39.5	-20	pass
1439.925	H	-40.6	-20	pass
1919.900	H	-42.8	-20	pass
2399.875	H	-46.0	-20	pass
2879.850	H	-47.6	-20	pass
3359.825	H	-48.4	-20	pass
3839.800	H	-50.5	-20	pass
4319.775	H	-51.1	-20	pass
4799.750	H	-52.8	-20	pass

Emission Frequency (MHz)	Ant. Polarity(H/V)	Measurement Result (dBm)	Limit (dBm)	Result(P/F)
479.975	V	0		pass
959.950	V	-39.9	-20	pass
1439.925	V	-40.1	-20	pass
1919.900	V	-41.5	-20	pass
2399.875	V	-43.4	-20	pass
2879.850	V	-44.5	-20	pass
3359.825	V	-45.4	-20	pass
3839.800	V	-48.7	-20	pass
4319.775	V	-50.0	-20	pass
4799.750	V	-51.6	-20	pass

Note: In this case, Part 22 (-13 dBm) is less than the limit of Part 90 (-20 dBm), so we do not need to test Part 22, which meets the spurious limits of PART 90+22.

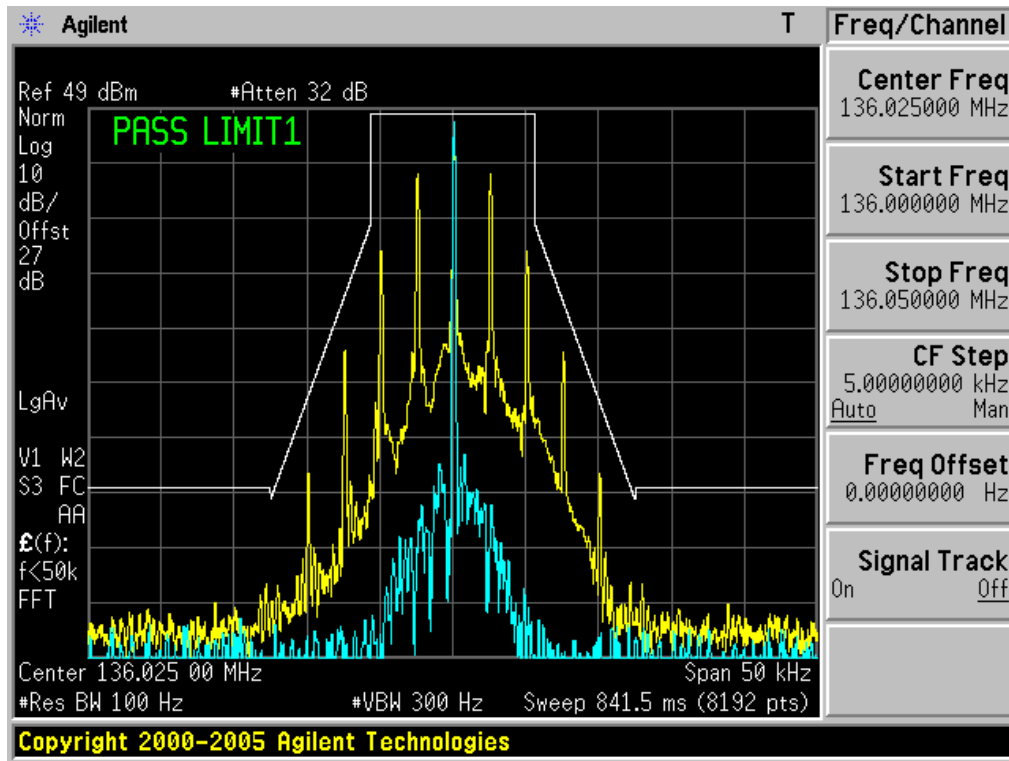
8.5 EMISSION MASK PLOT

The detailed procedure employed for Emission Mask measurements are specified as following:

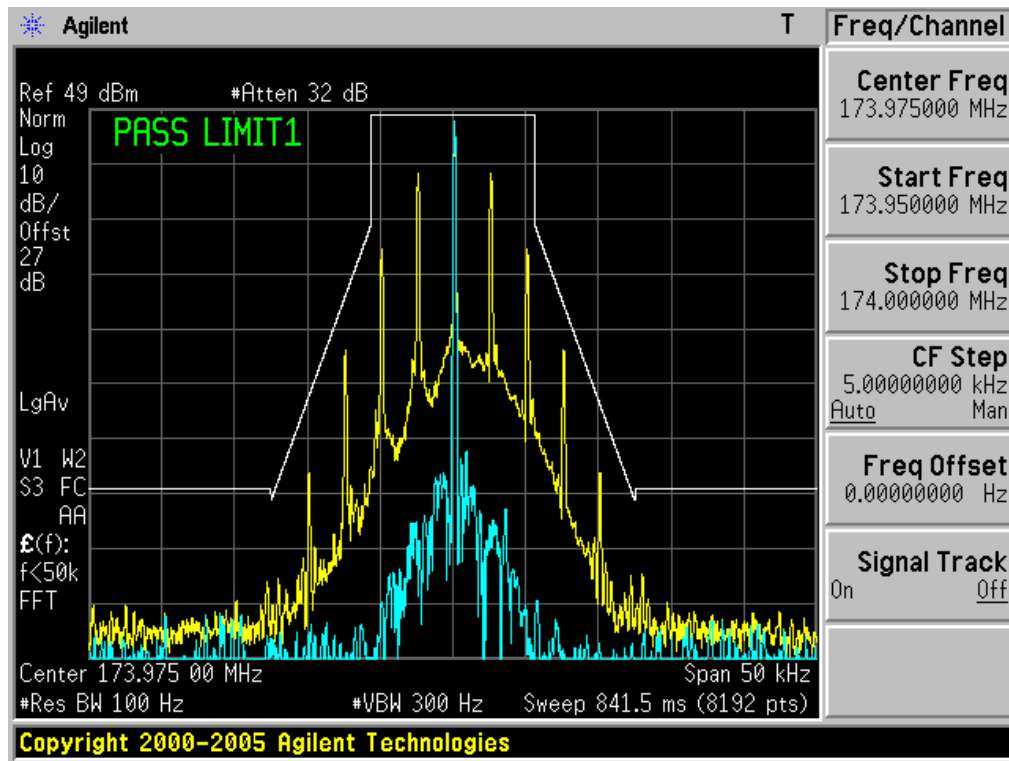
- The transmitter shall be modulated by a 2.5 kHz audio signal,
- The level of the audio signal employed is 16 dB greater than that necessary to produce 50% of rated system deviation. Rated system deviation is 2.5 kHz.

VHF:
Analog:

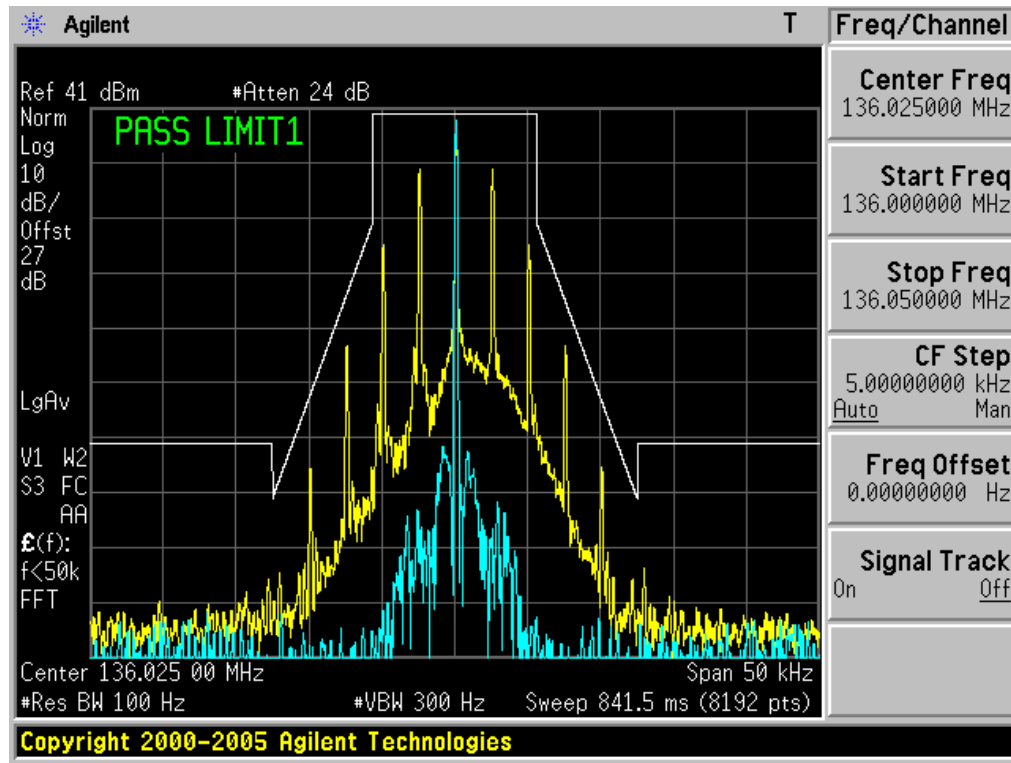
The Worst Emission Mask D for (136.025MHz) of 12.5 KHz channel Separation (60W)



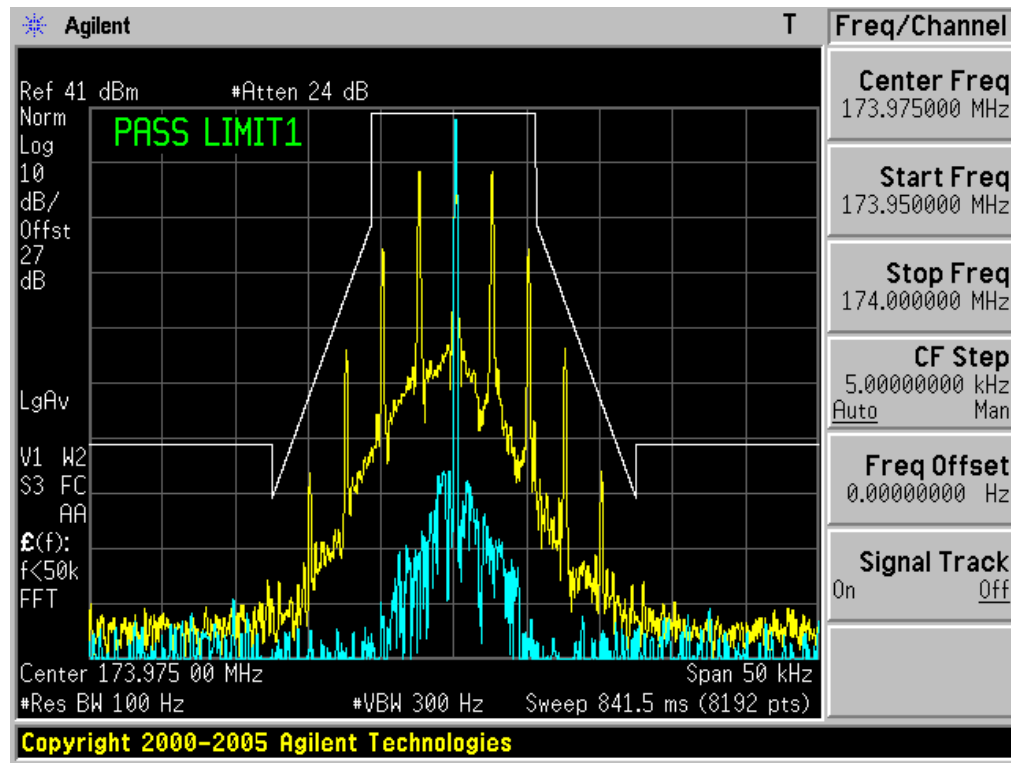
The Worst Emission Mask D for (136.025MHz) of 12.5 KHz channel Separation (25W)



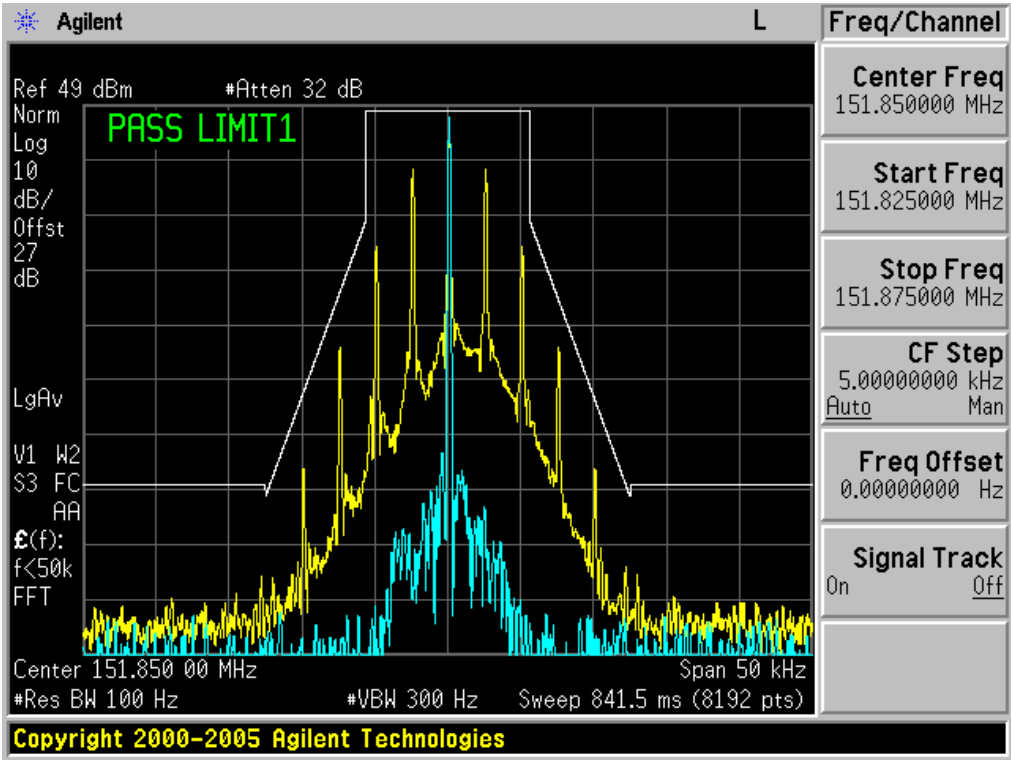
The Worst Emission Mask D for (136.025MHz) of 12.5 KHz channel Separation (10W)



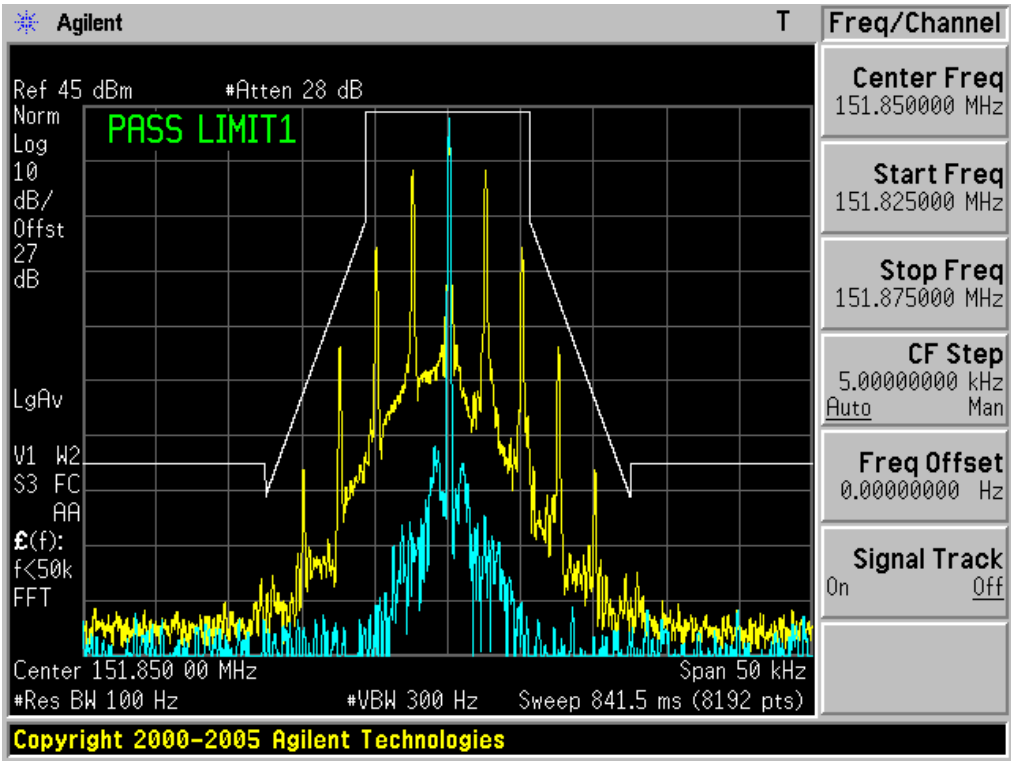
The Worst Emission Mask D for (136.025MHz) of 12.5 KHz channel Separation (1W)



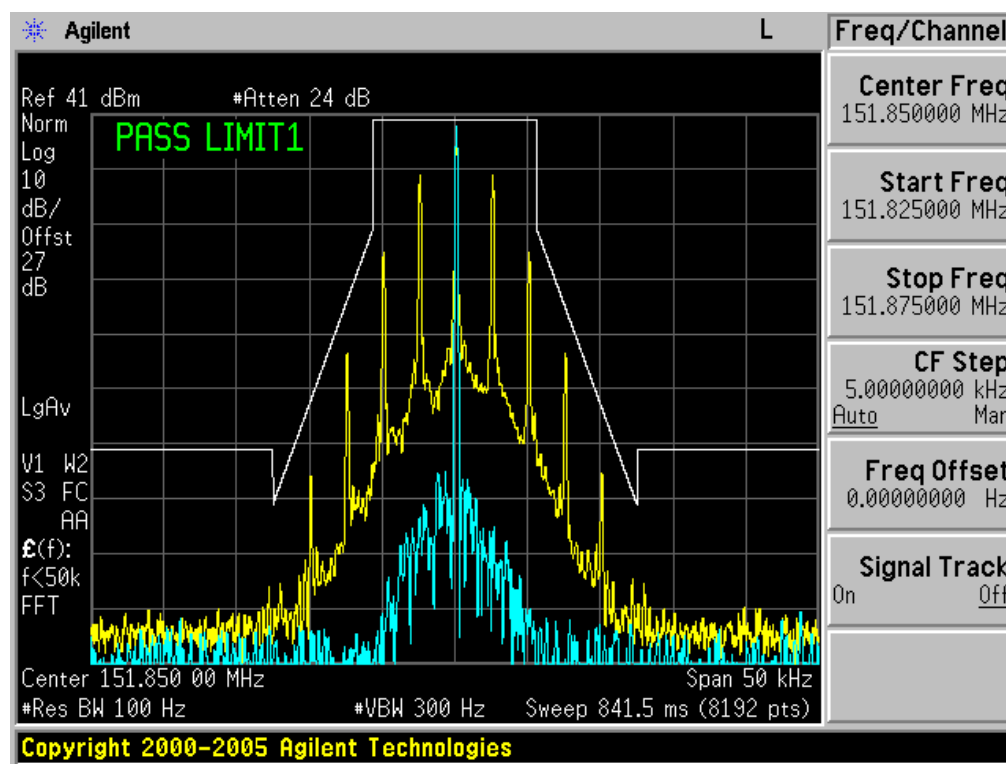
The Worst Emission Mask D for (151.85MHz) of 12.5 KHz channel Separation (60W)



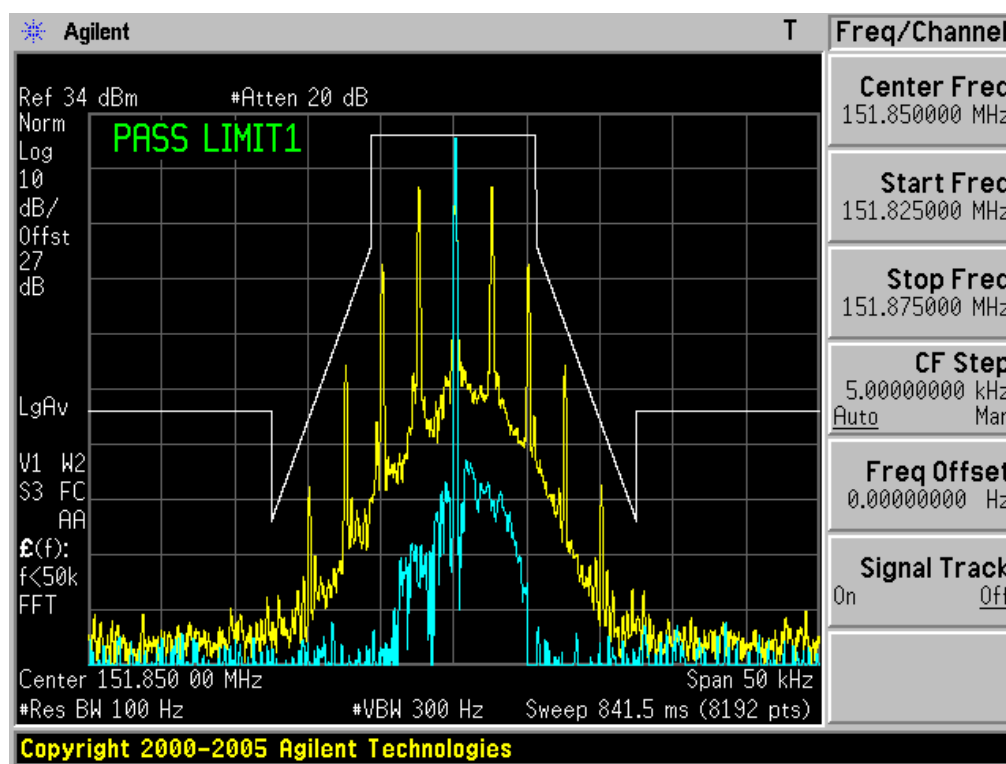
The Worst Emission Mask D for (151.85MHz) of 12.5 KHz channel Separation (25W)



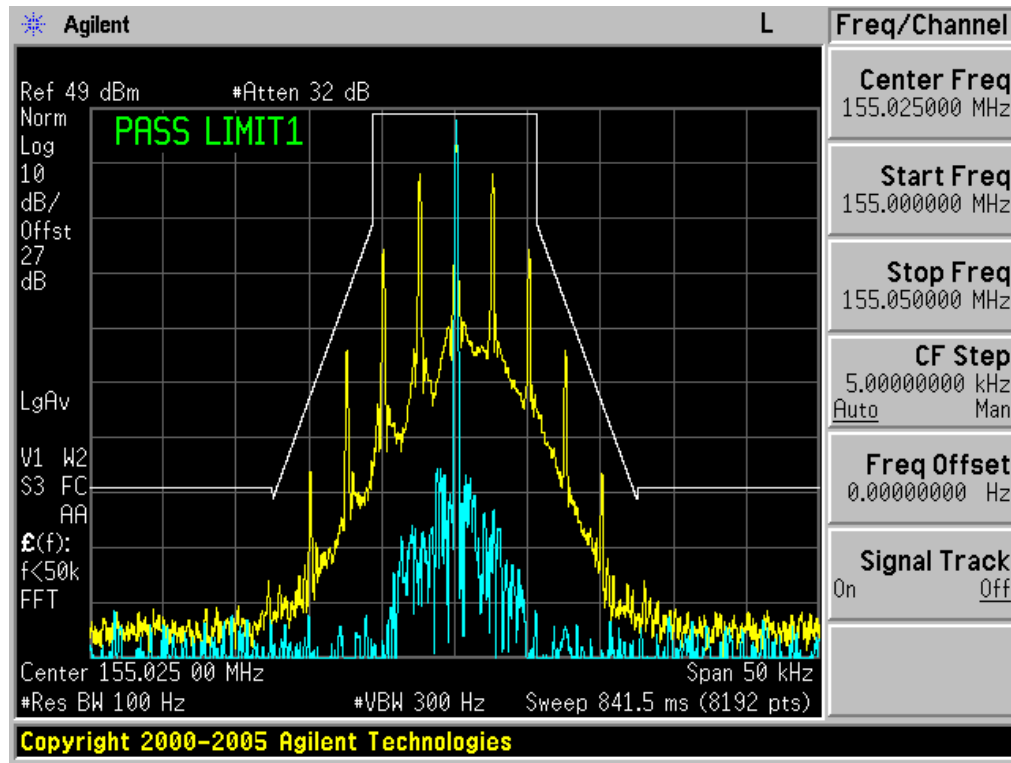
The Worst Emission Mask D for (151.85MHz) of 12.5 KHz channel Separation (10W)



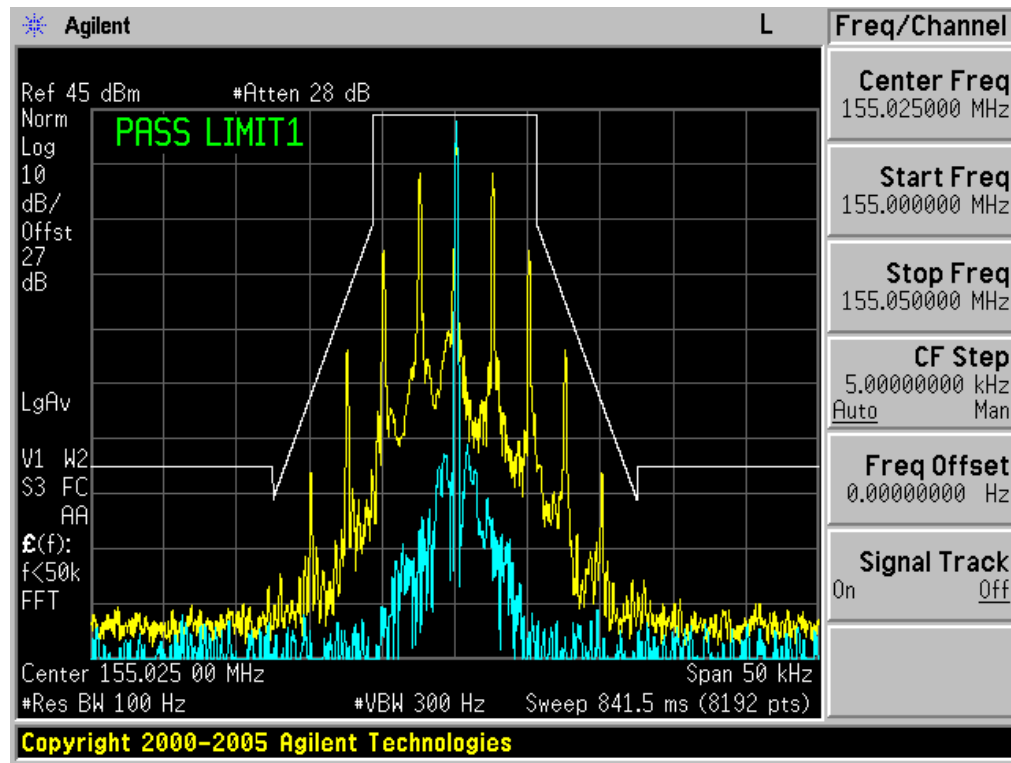
The Worst Emission Mask D for (151.85MHz) of 12.5 KHz channel Separation (1W)



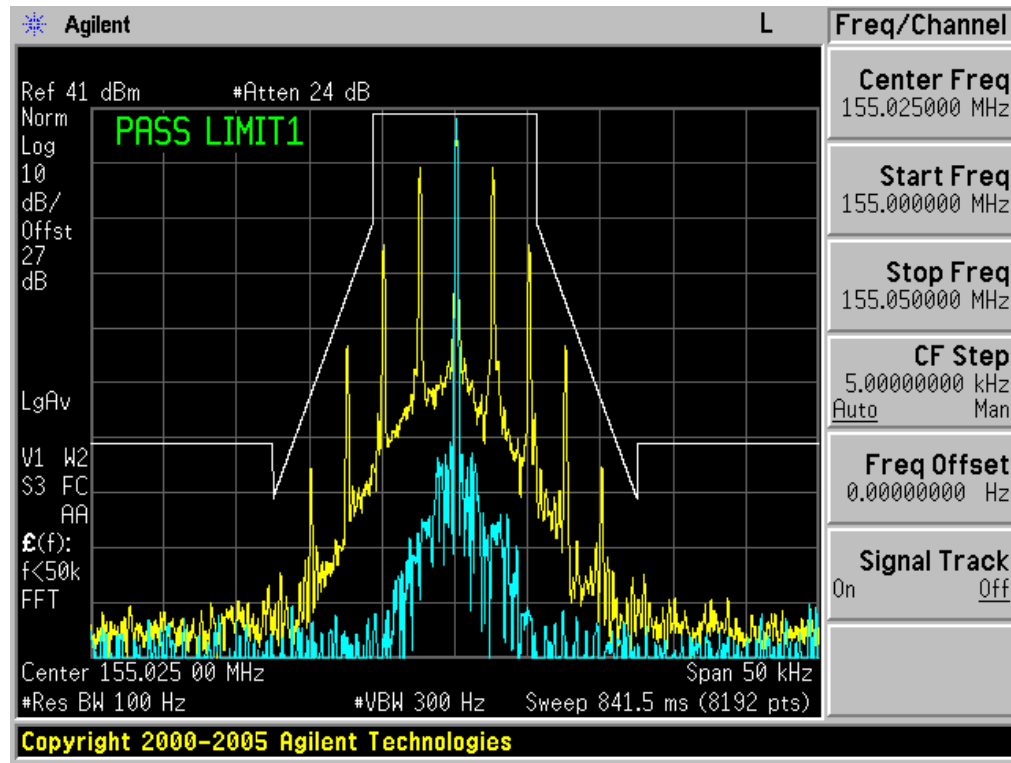
The Worst Emission Mask D for (155.025MHz) of 12.5 KHz channel Separation (60W)



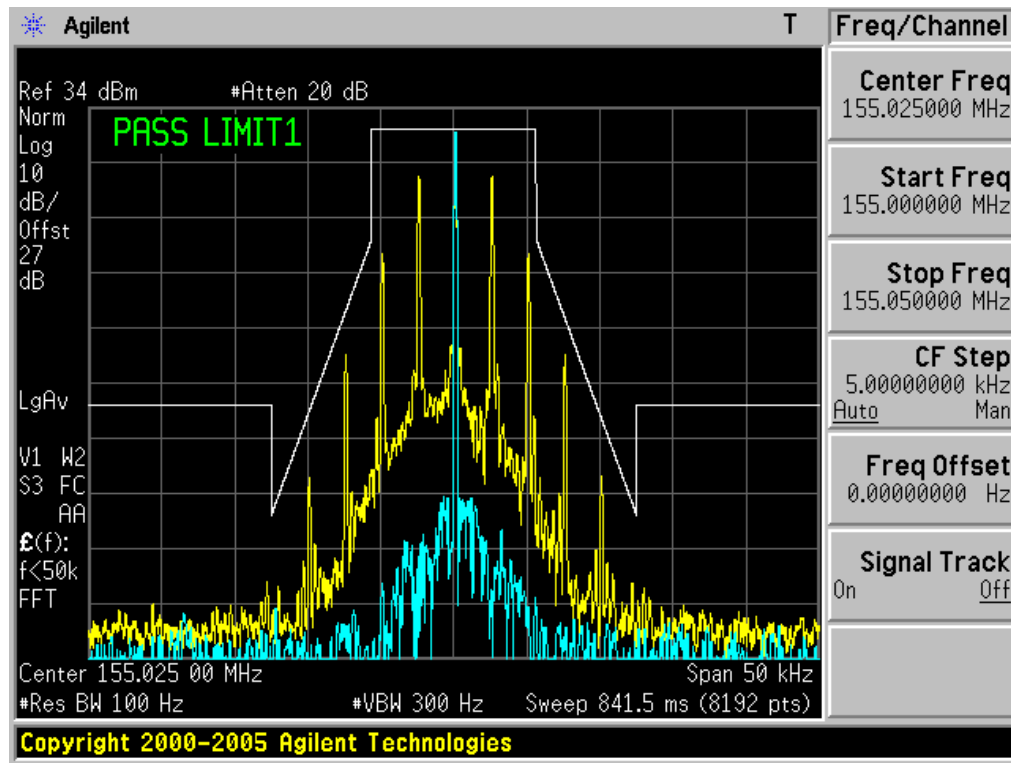
The Worst Emission Mask D for (155.025MHz) of 12.5 KHz channel Separation (25W)



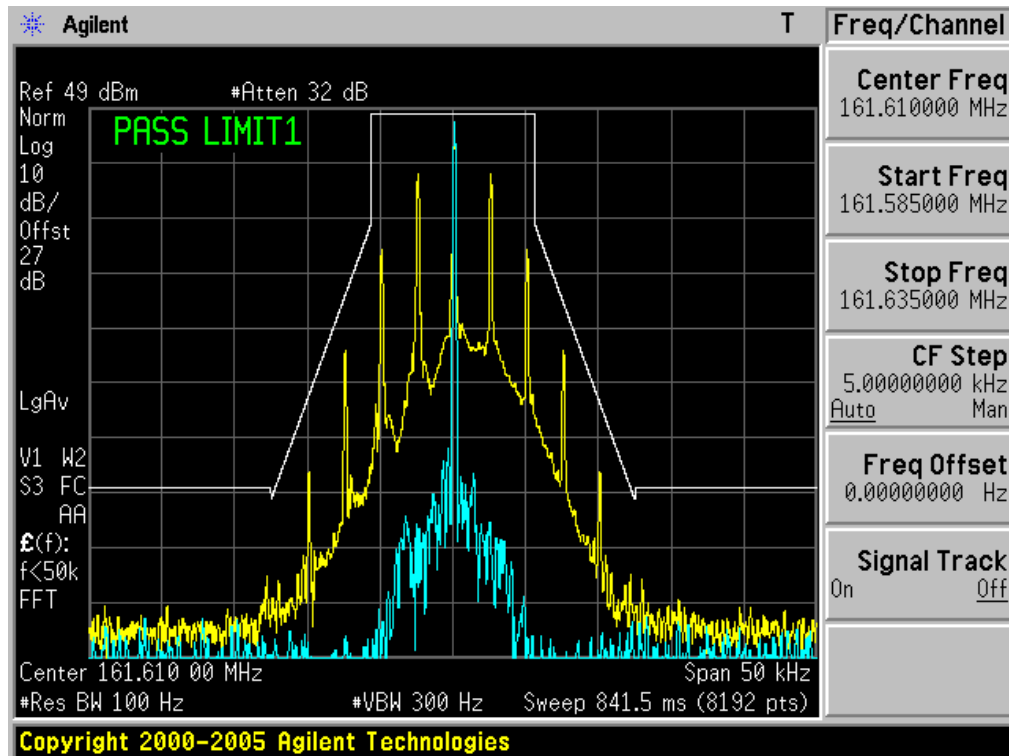
The Worst Emission Mask D for (155.025MHz) of 12.5 KHz channel Separation (10W)



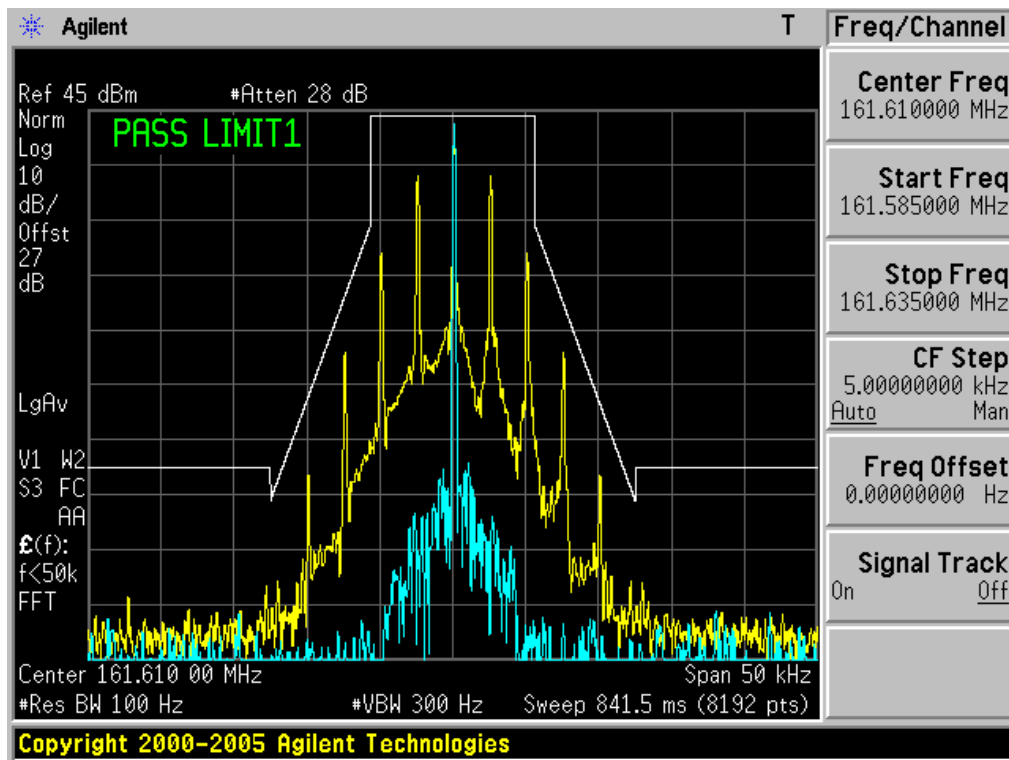
The Worst Emission Mask D for (155.025MHz) of 12.5 KHz channel Separation (1W)



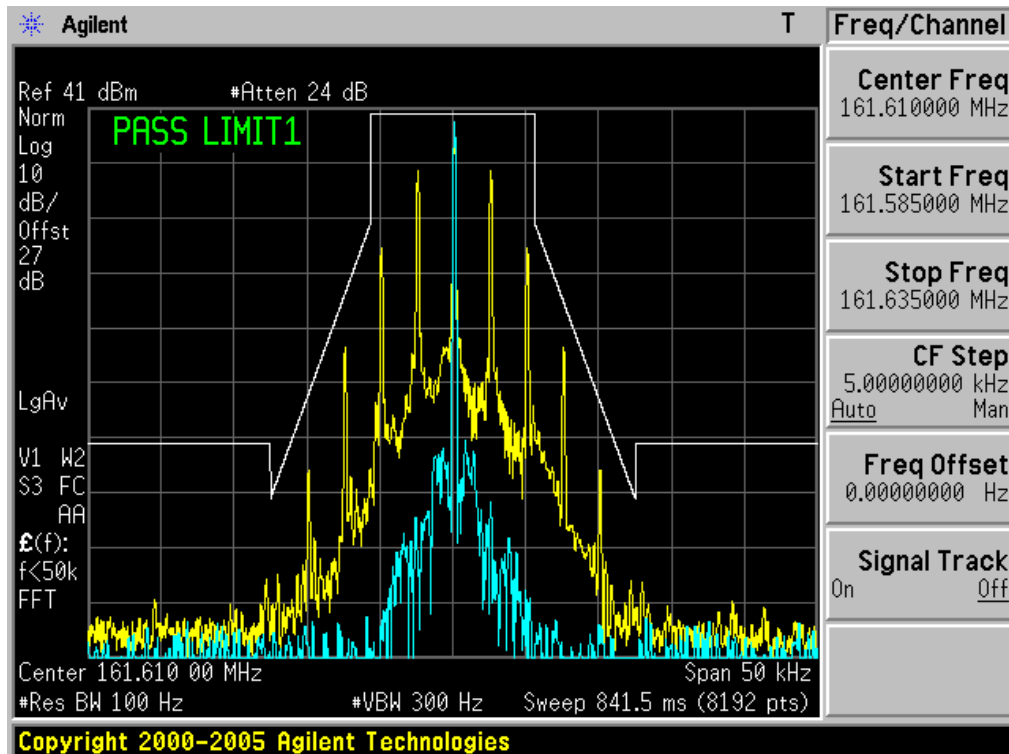
The Worst Emission Mask D for (161.61MHz) of 12.5 KHz channel Separation (60W)



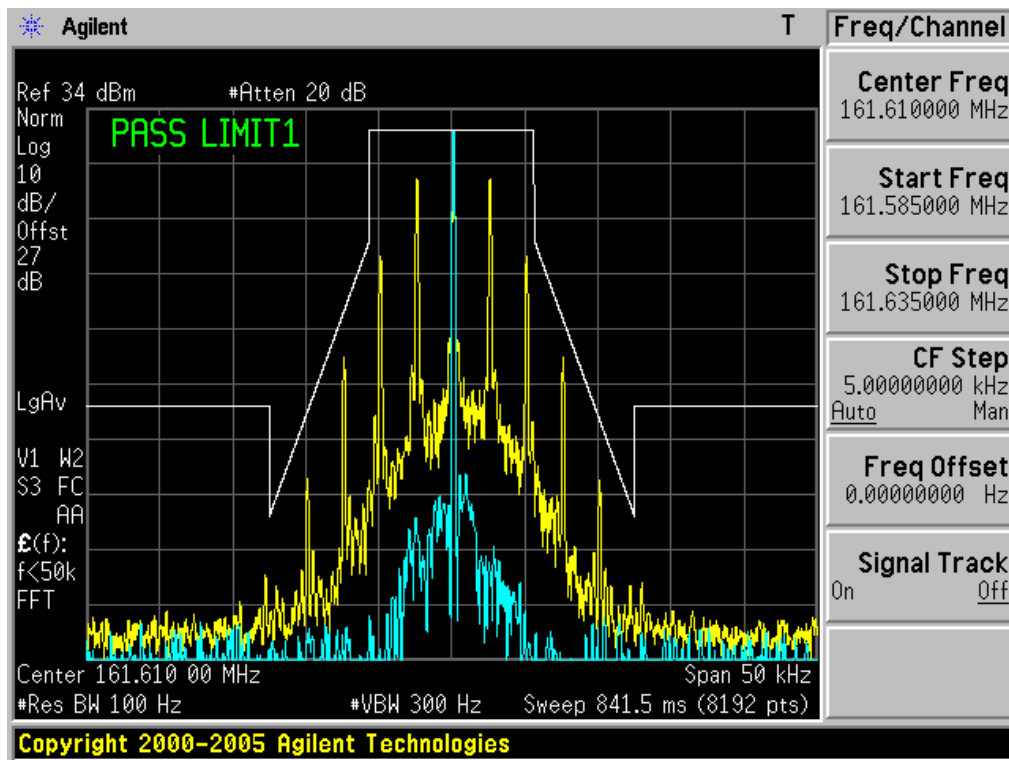
The Worst Emission Mask for (161.61MHz) of 12.5 KHz channel Separation (25W)



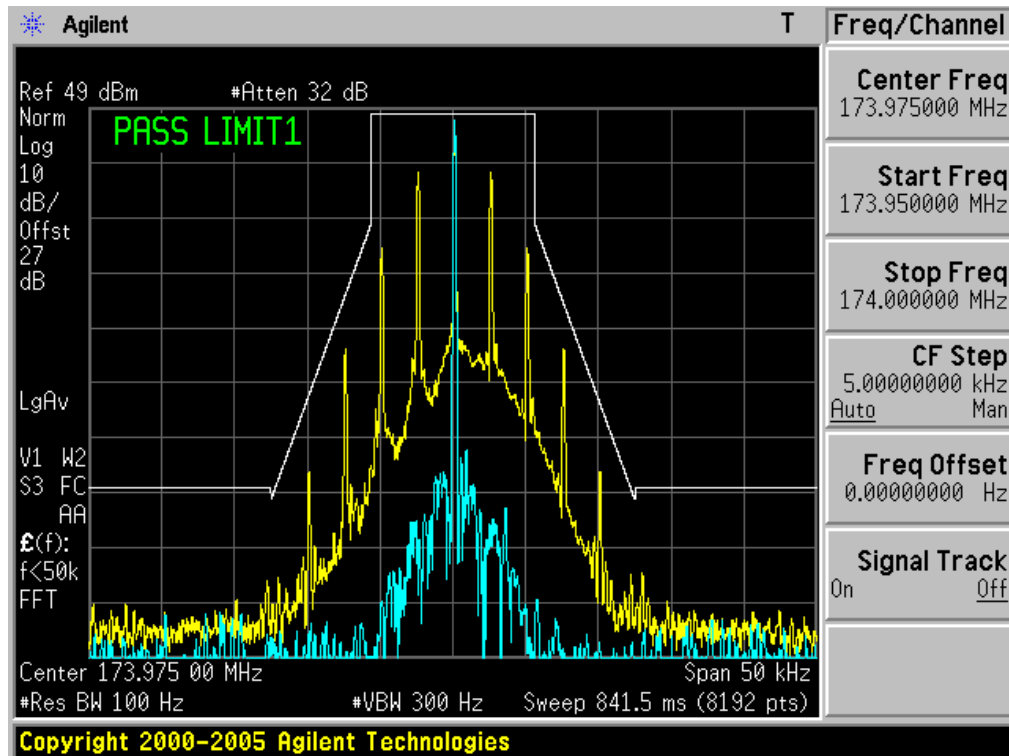
The Worst Emission Mask D for (161.61MHz) of 12.5 KHz channel Separation (10W)



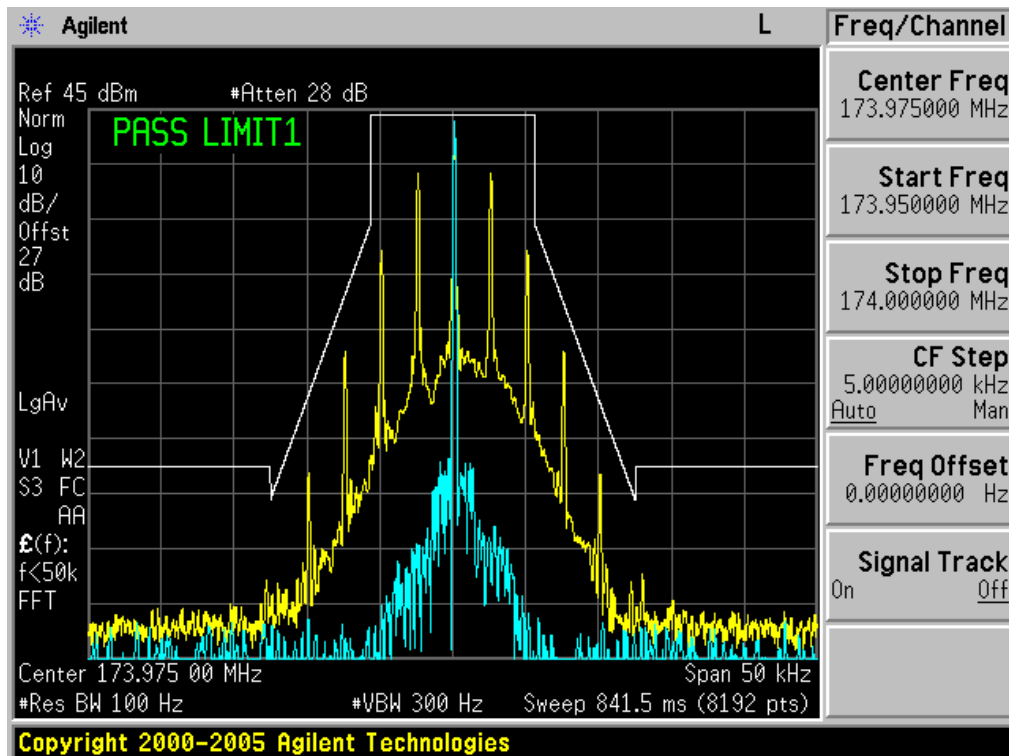
The Worst Emission Mask for (161.61MHz) of 12.5 KHz channel Separation (1W)



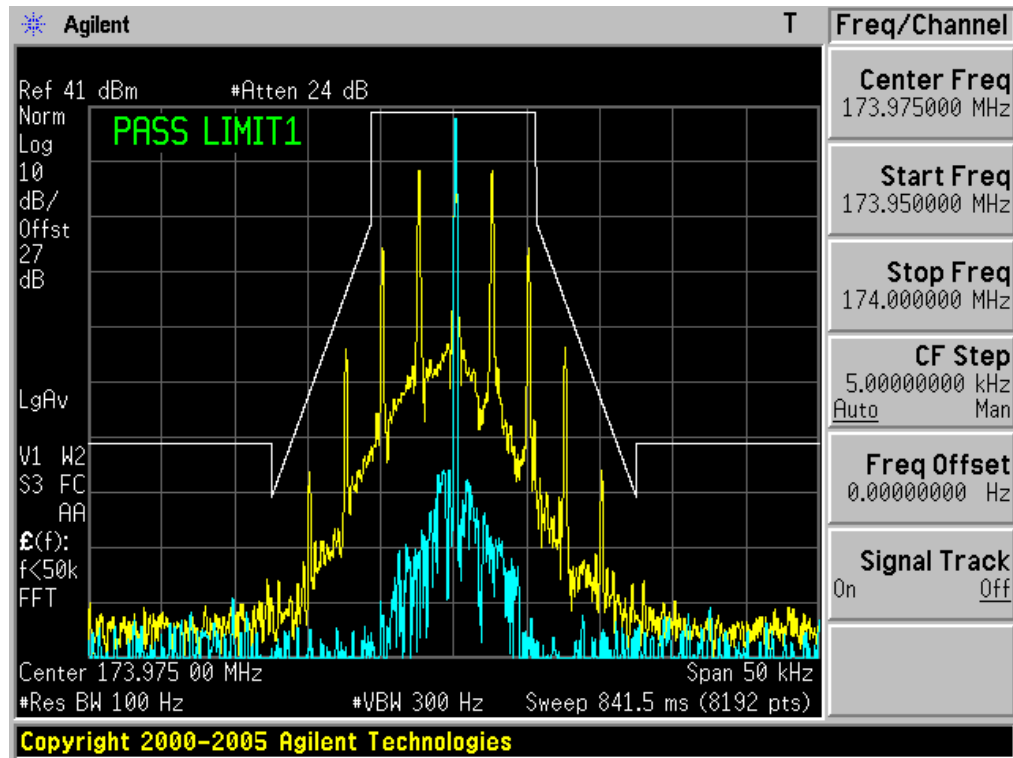
The Worst Emission Mask D for (173.975MHz) of 12.5 KHz channel Separation (60W)



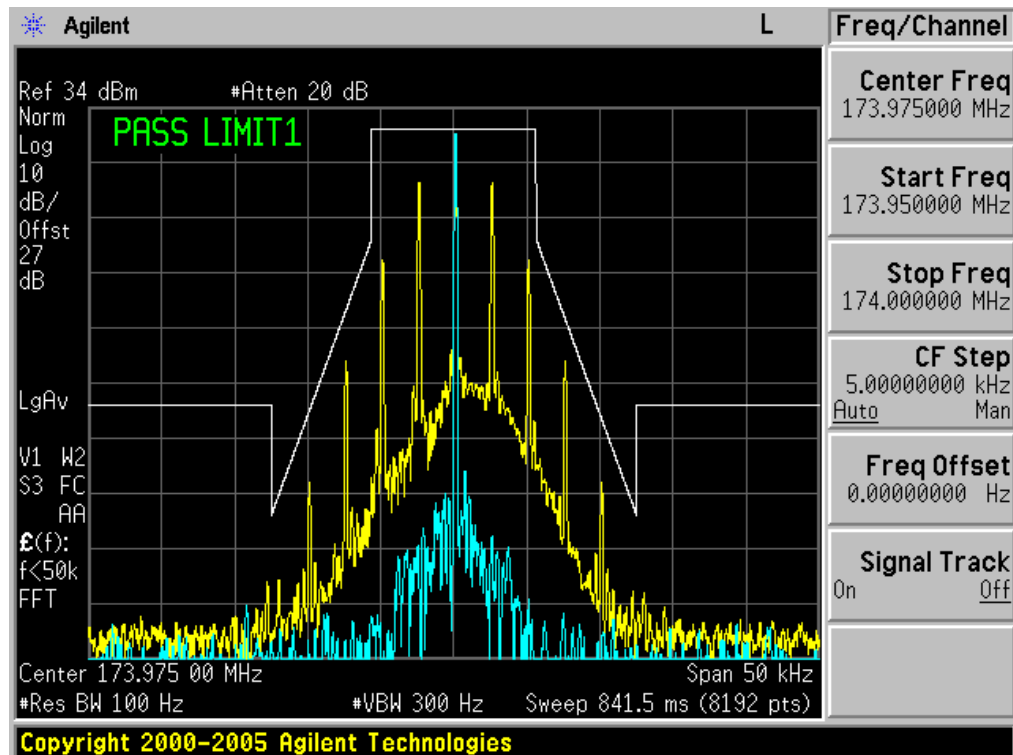
The Worst Emission Mask D for (173.975MHz) of 12.5 KHz channel Separation (25W)



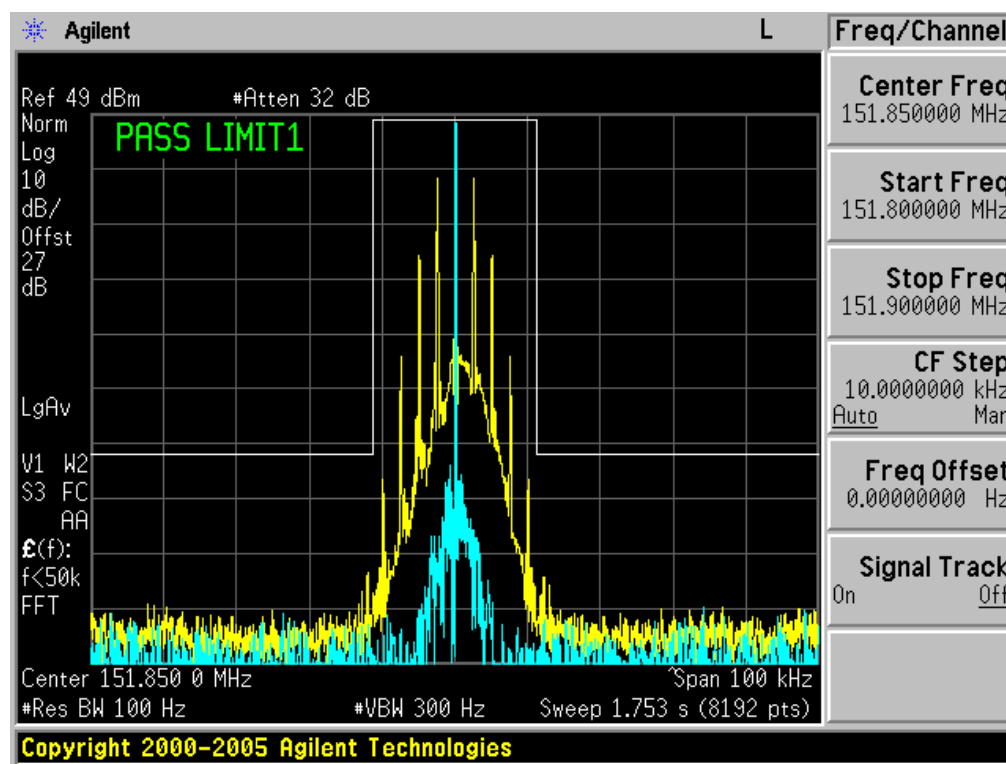
The Worst Emission Mask D for (173.975MHz) of 12.5 KHz channel Separation (10W)



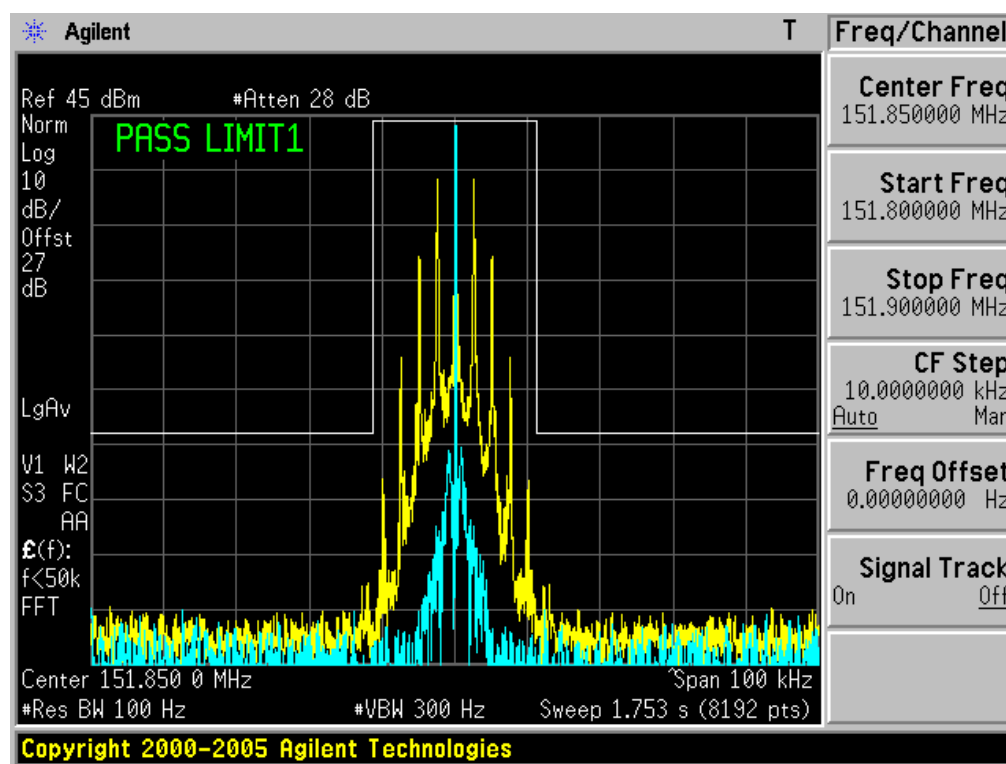
The Worst Emission Mask D for (173.975MHz) of 12.5 KHz channel Separation (1W)



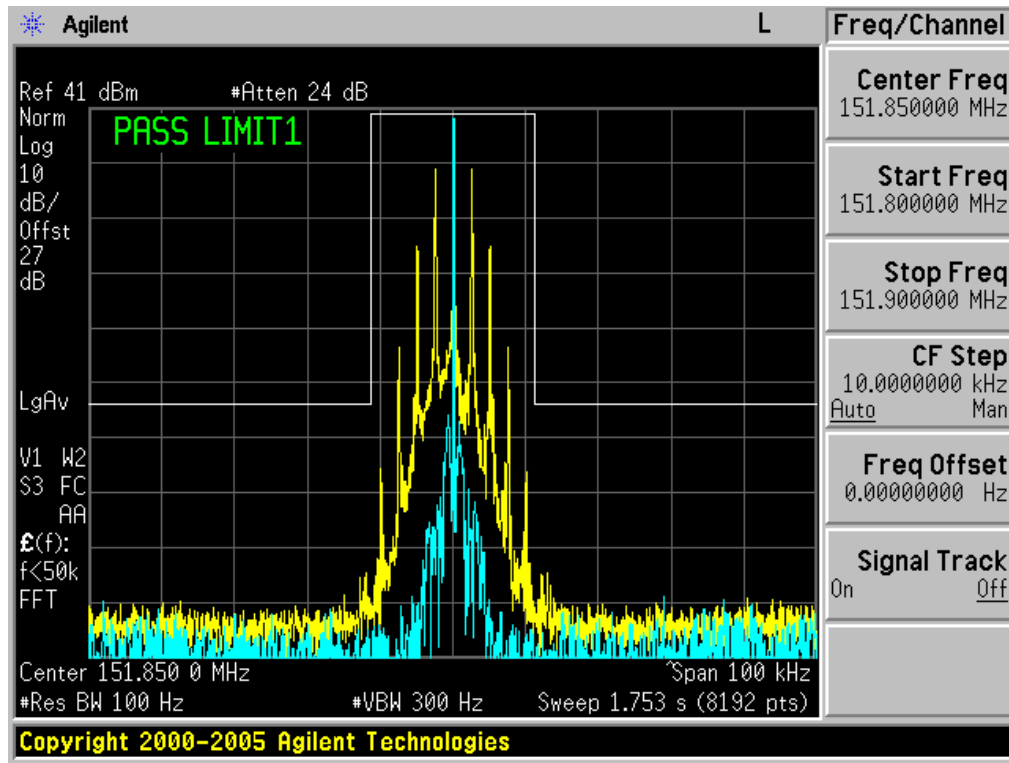
The Worst Emission Mask § 22.359 for (151.85 MHz) of 12.5 KHz channel Separation (60W)



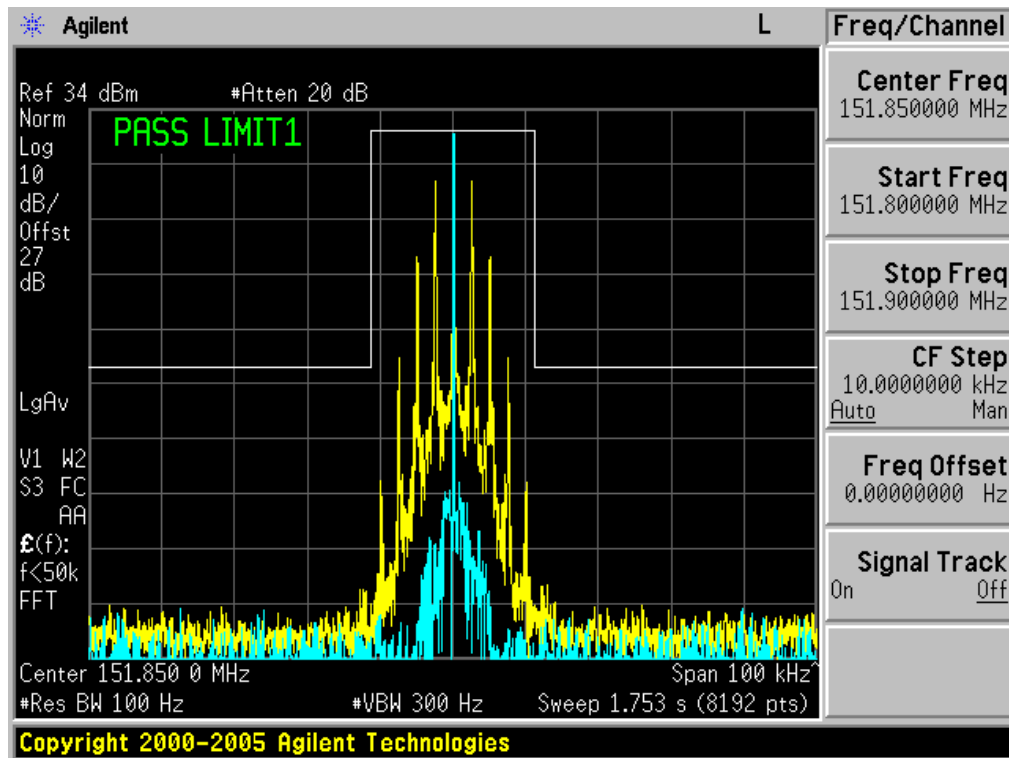
The Worst Emission Mask § 22.359 for (151.85 MHz) of 12.5 KHz channel Separation (25W)



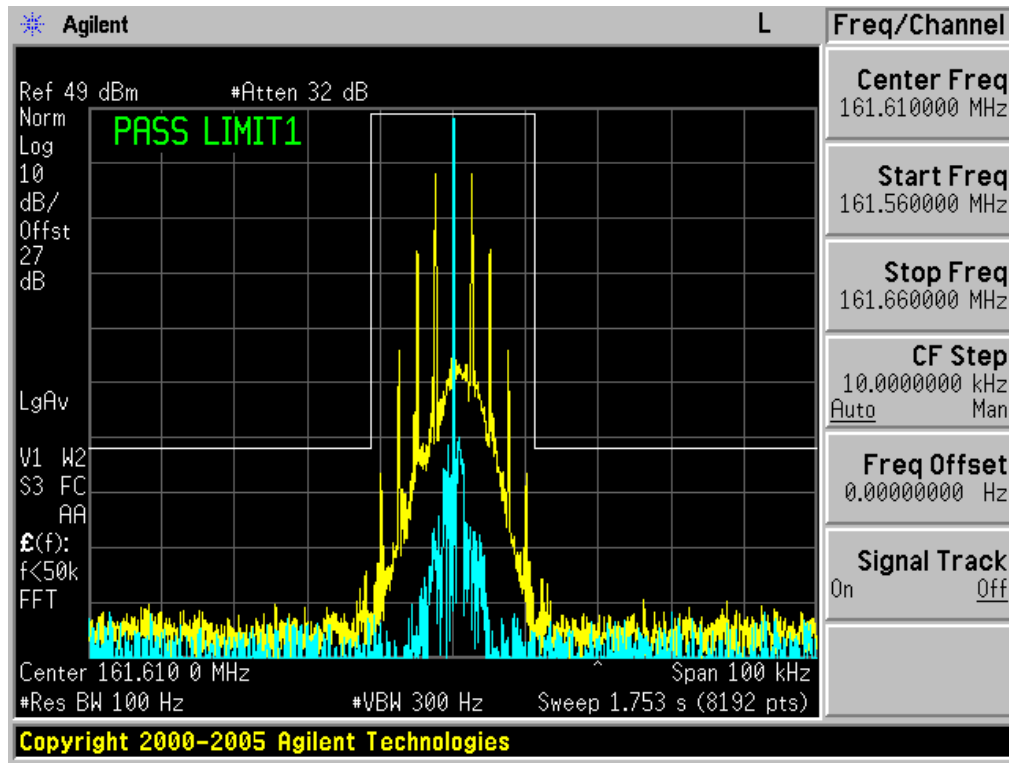
The Worst Emission Mask § 22.359 for (151.85 MHz) of 12.5 KHz channel Separation (10W)



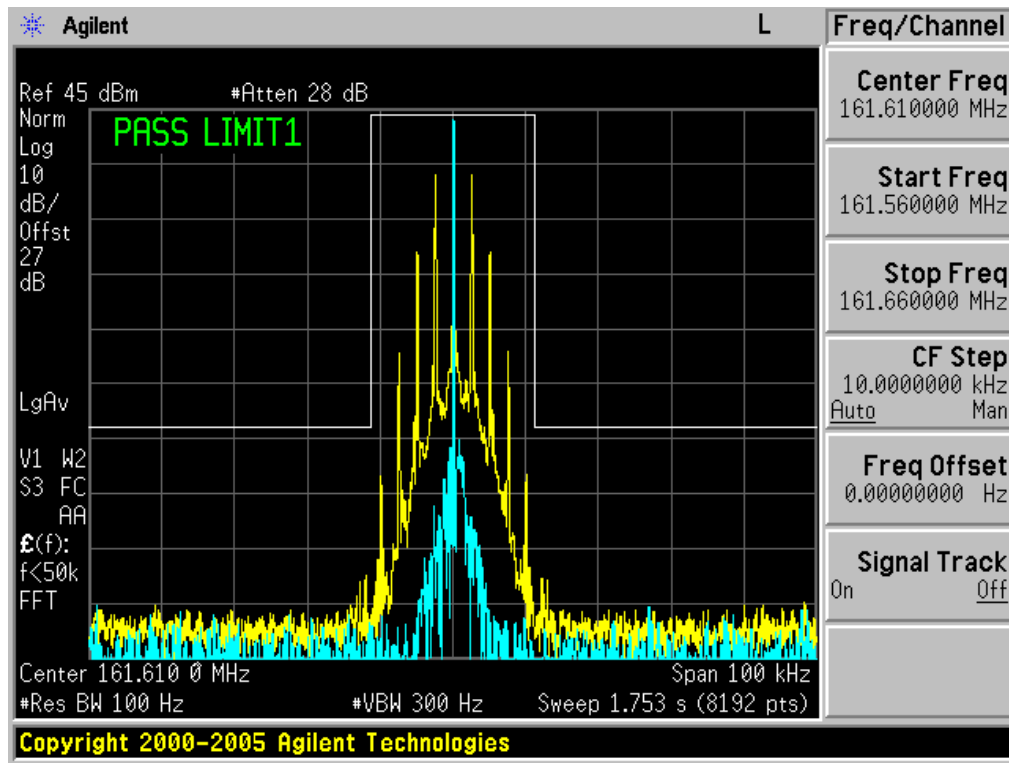
The Worst Emission Mask § 22.359 for (151.85 MHz) of 12.5 KHz channel Separation (1W)



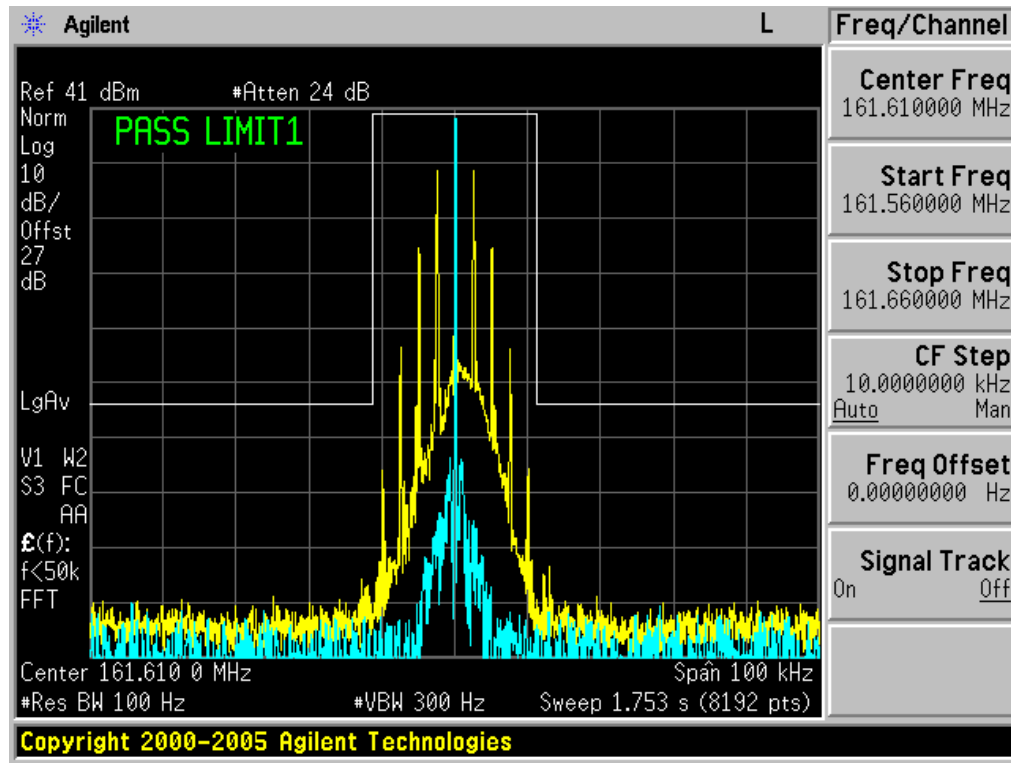
The Worst Emission Mask § 22.359 for (161.61 MHz) of 12.5 KHz channel Separation (60W)



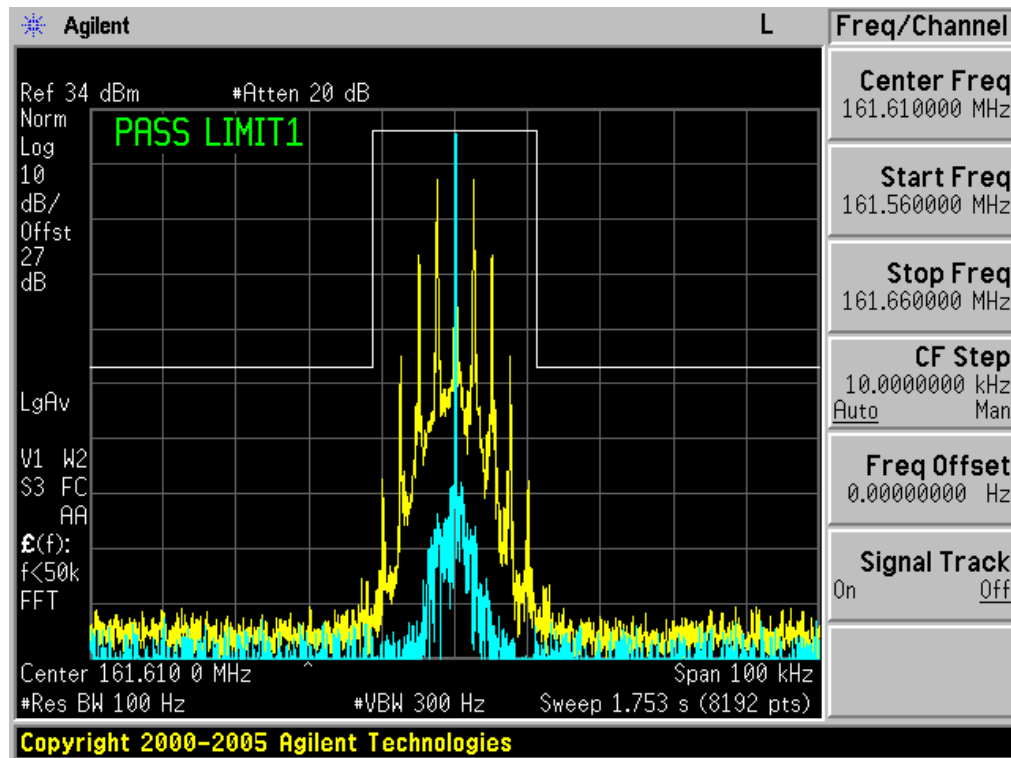
The Worst Emission Mask § 22.359 for (161.61 MHz) of 12.5 KHz channel Separation (25W)



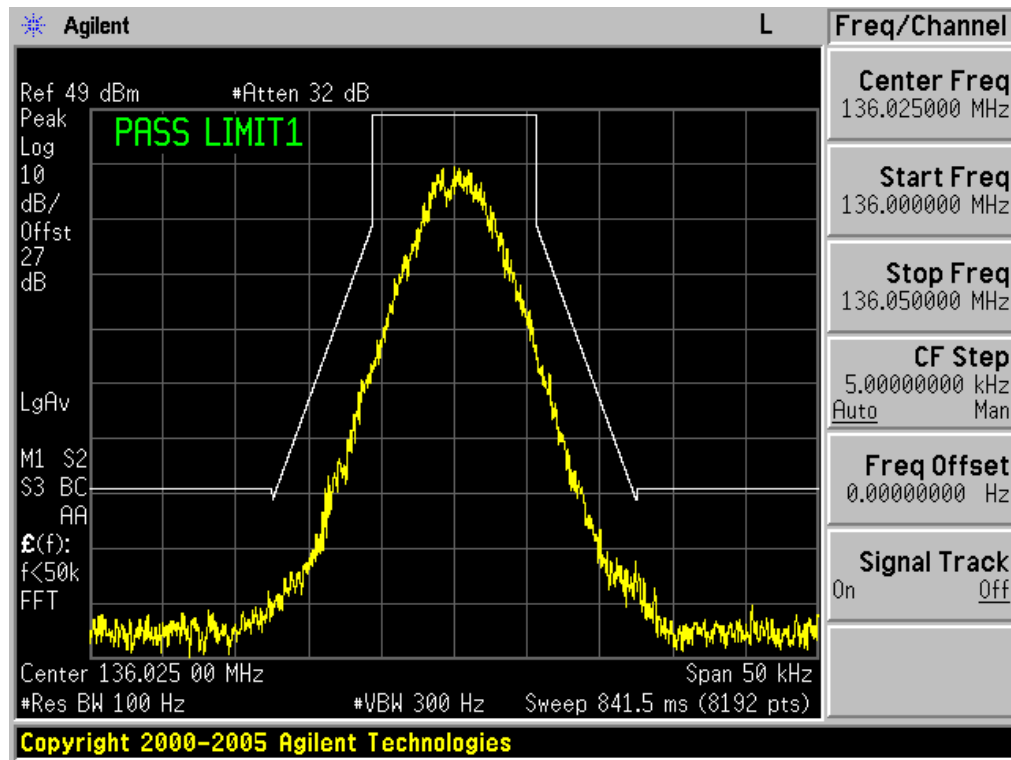
The Worst Emission Mask § 22.359 for (161.61 MHz) of 12.5 KHz channel Separation (10W)



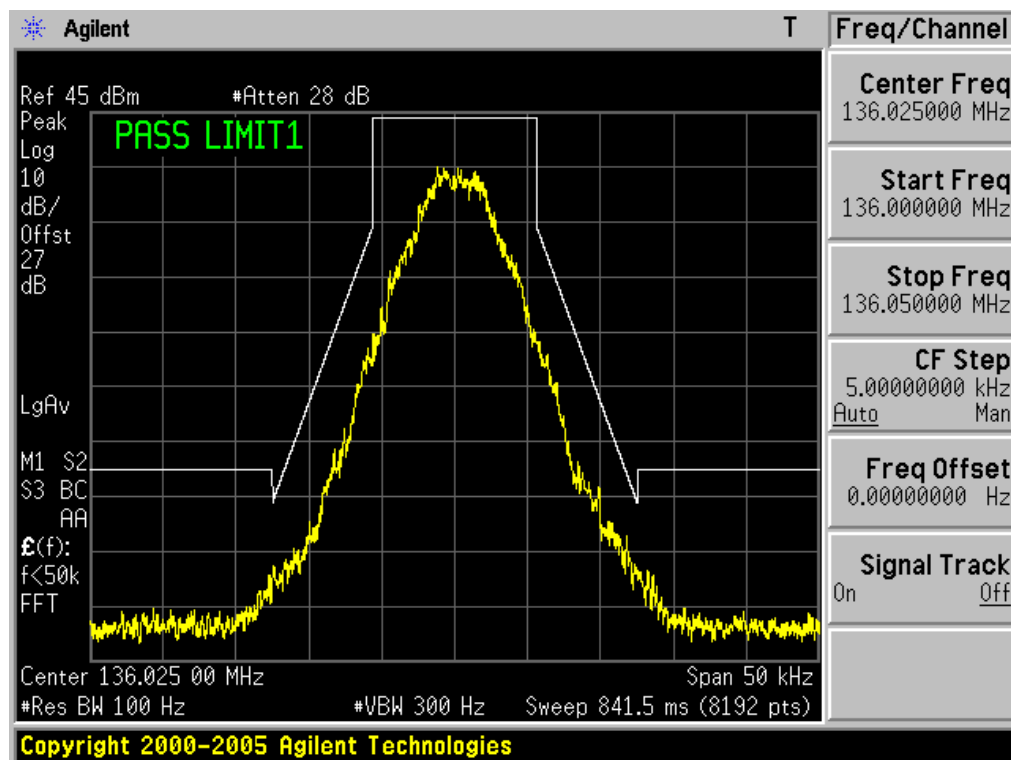
The Worst Emission Mask § 22.359 for (161.61 MHz) of 12.5 KHz channel Separation (1W)



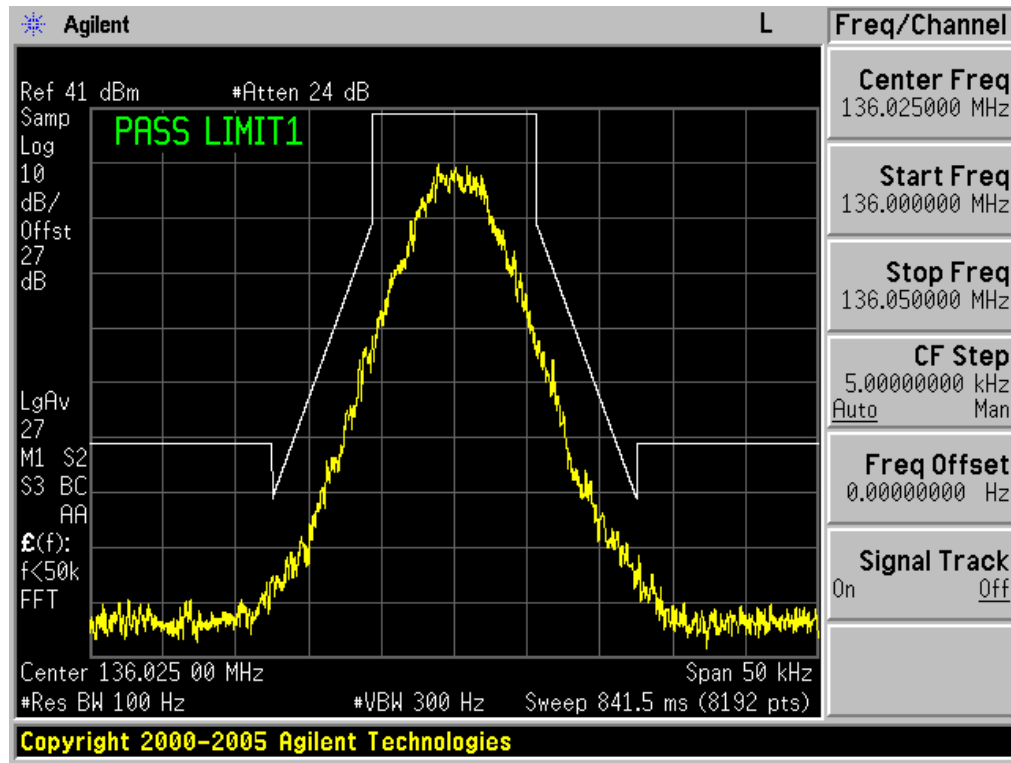
Digital:
The Worst Emission Mask D for (136.025MHz) of 12.5 KHz channel Separation (60W)



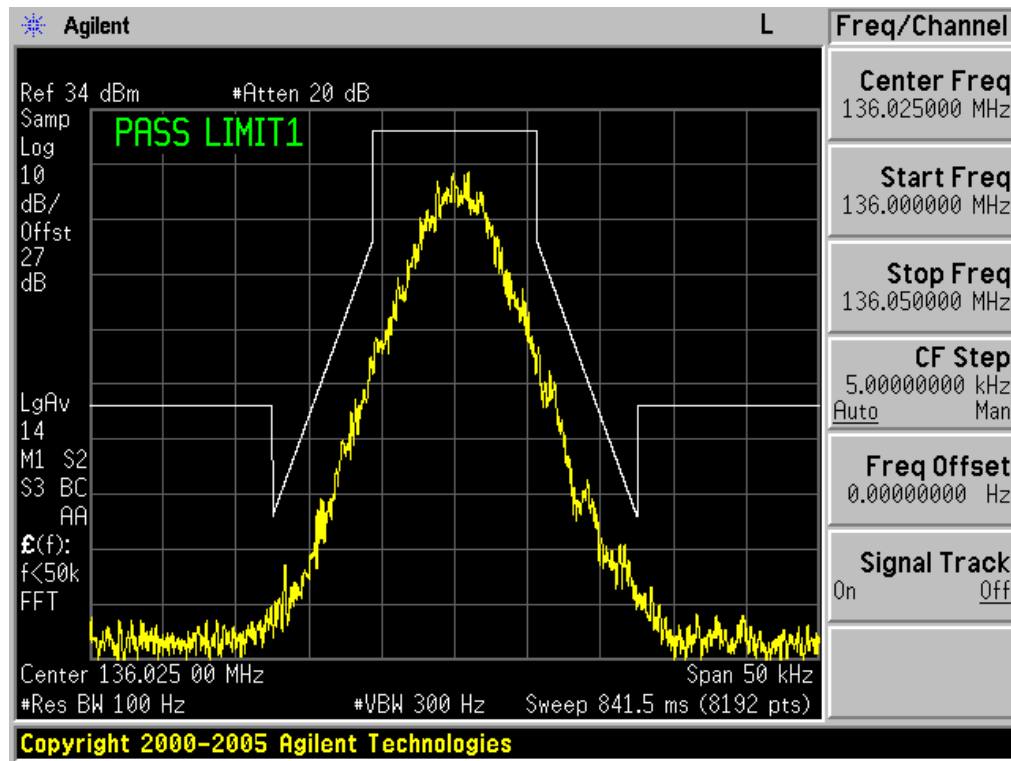
The Worst Emission Mask D for (136.025MHz) of 12.5 KHz channel Separation (25W)



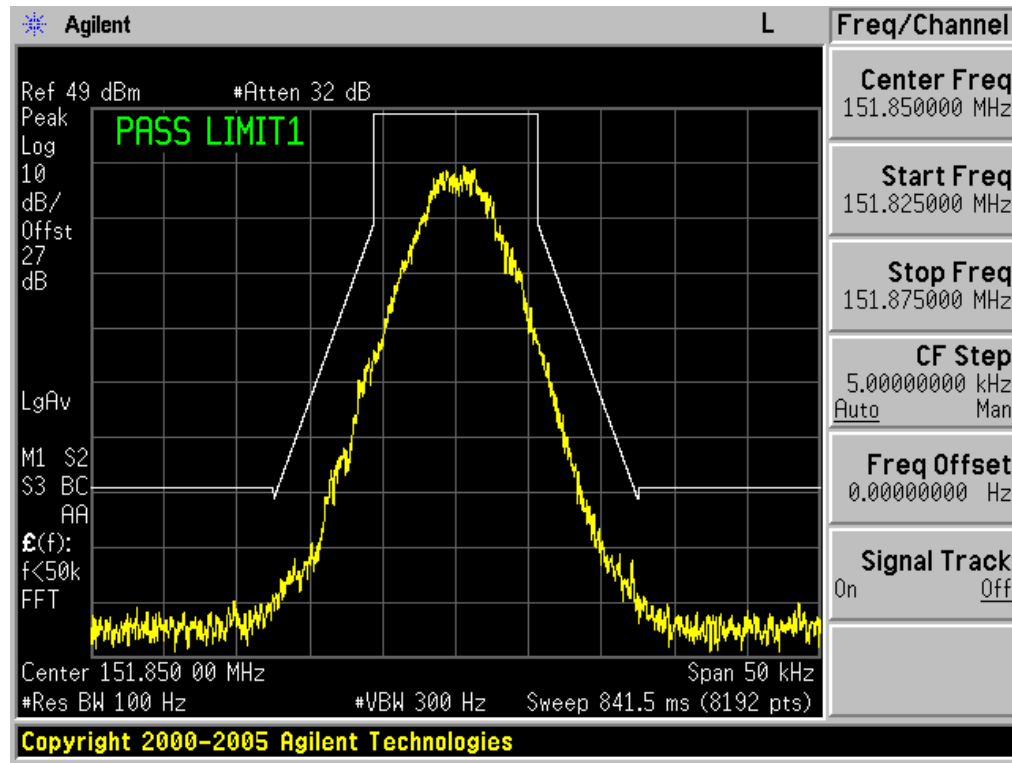
The Worst Emission Mask D for (136.025MHz) of 12.5 KHz channel Separation (10W)



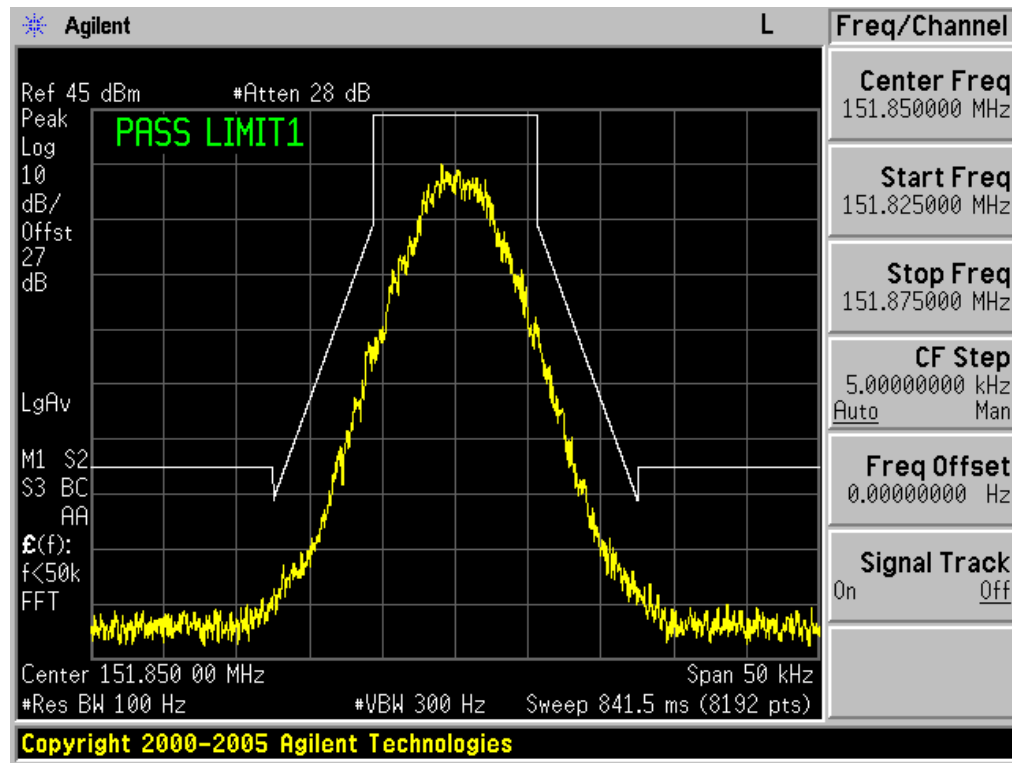
The Worst Emission Mask D for (136.025MHz) of 12.5 KHz channel Separation (1W)



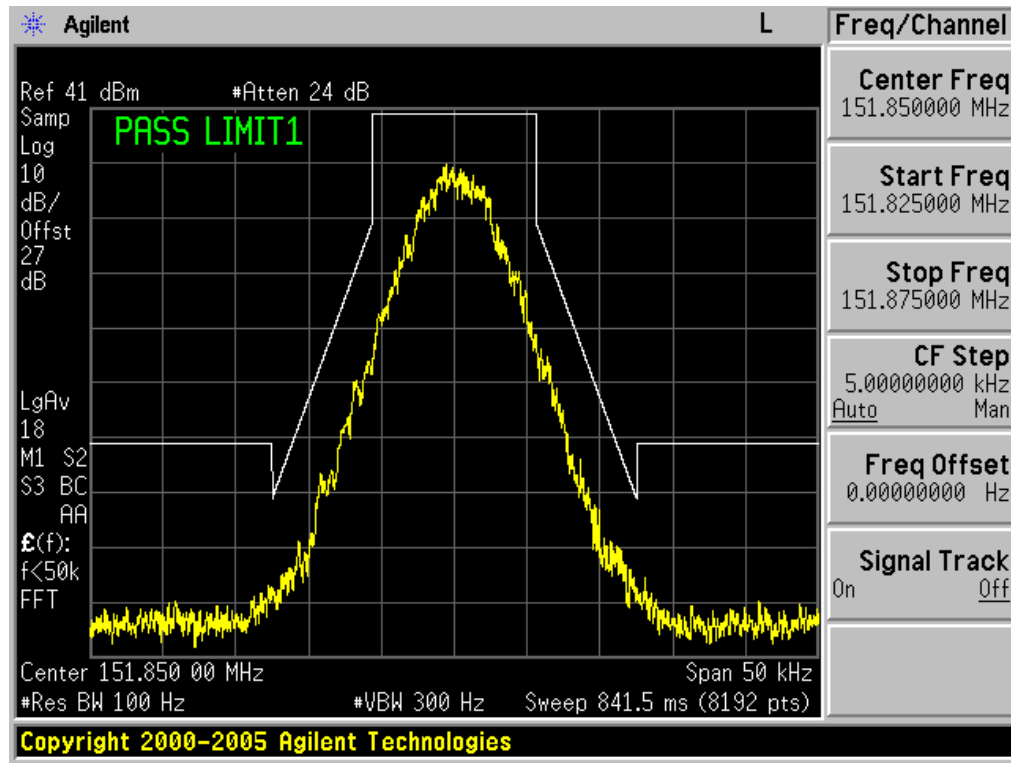
The Worst Emission Mask D for (151.85MHz) of 12.5 KHz channel Separation (60W)



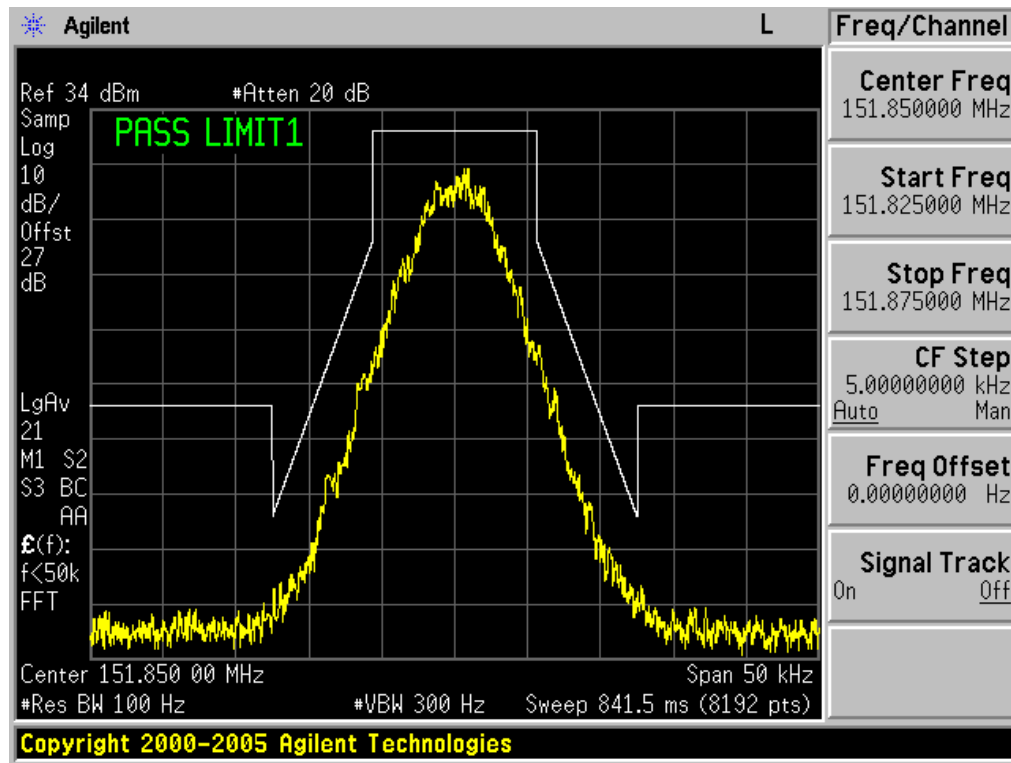
The Worst Emission Mask D for (151.85MHz) of 12.5 KHz channel Separation (25W)



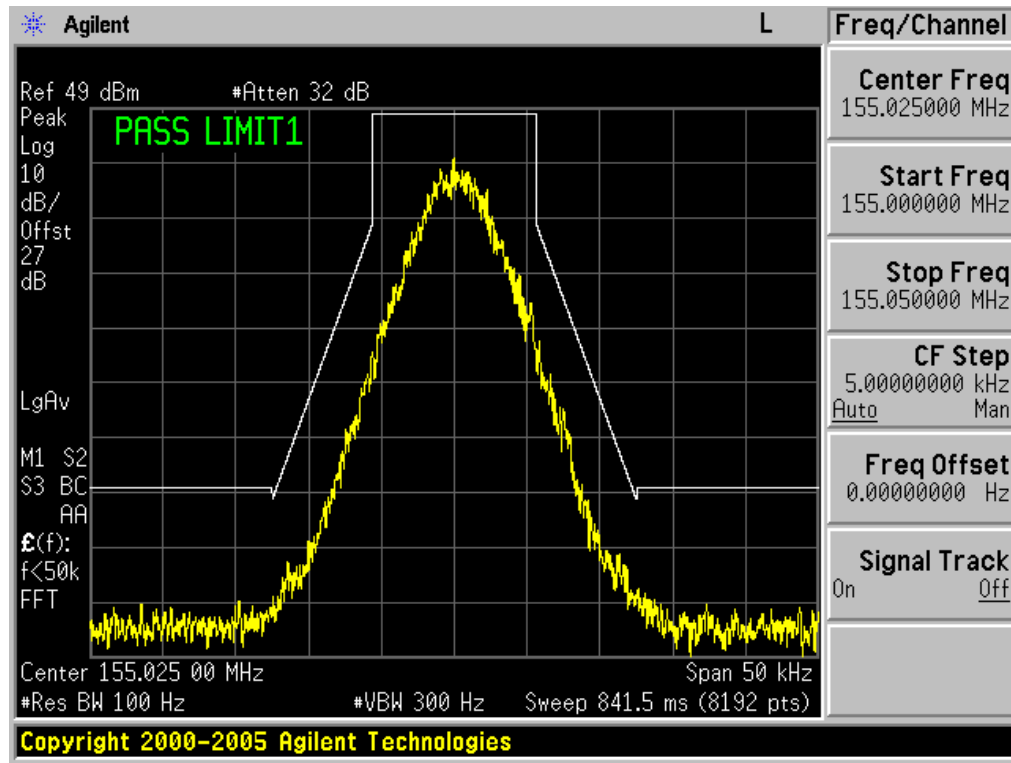
The Worst Emission Mask D for (151.85MHz) of 12.5 KHz channel Separation (10W)



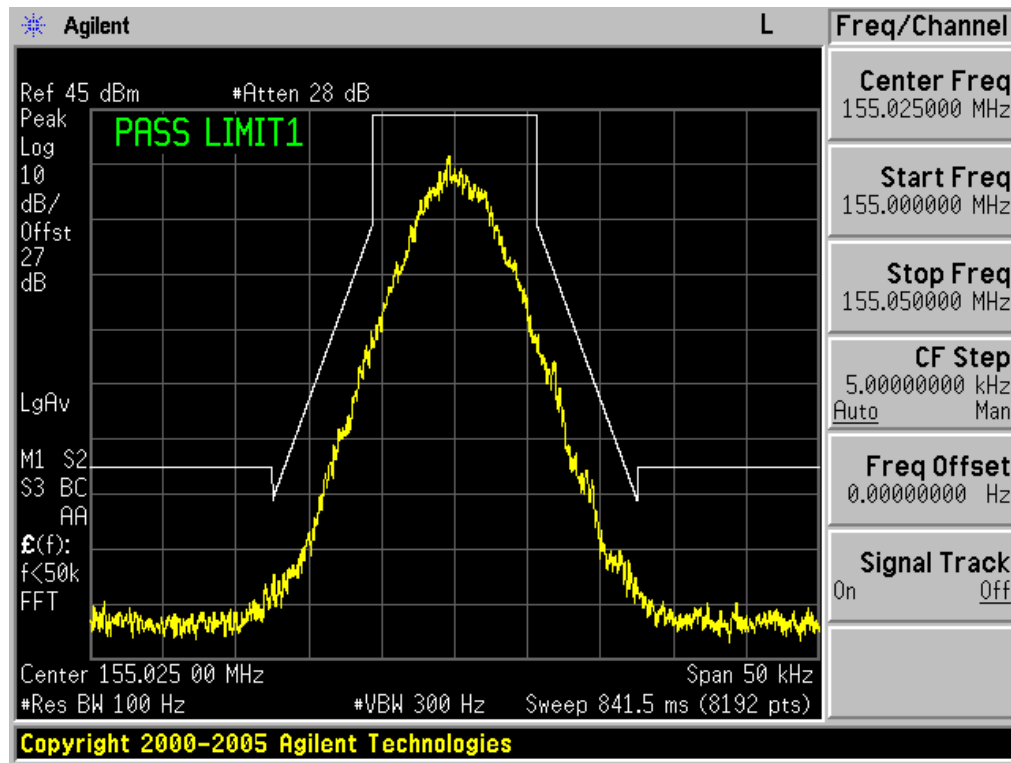
The Worst Emission Mask D for (151.85MHz) of 12.5 KHz channel Separation (1W)



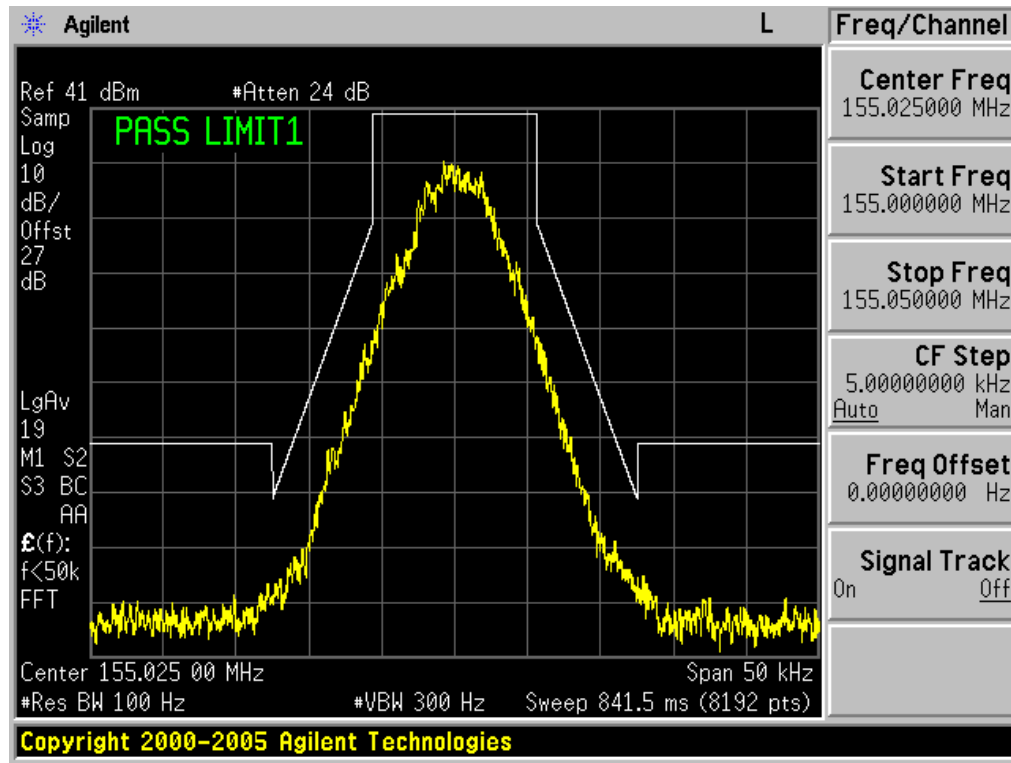
The Worst Emission Mask D for (155.025MHz) of 12.5 KHz channel Separation (60W)



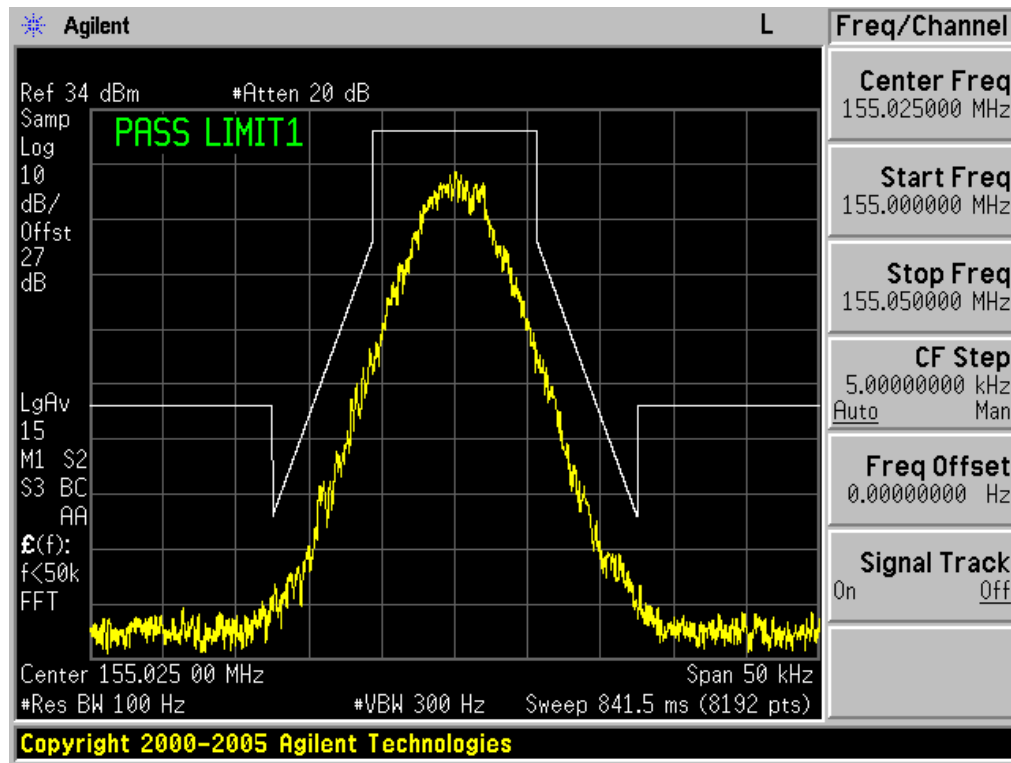
The Worst Emission Mask D for (155.025MHz) of 12.5 KHz channel Separation (25W)



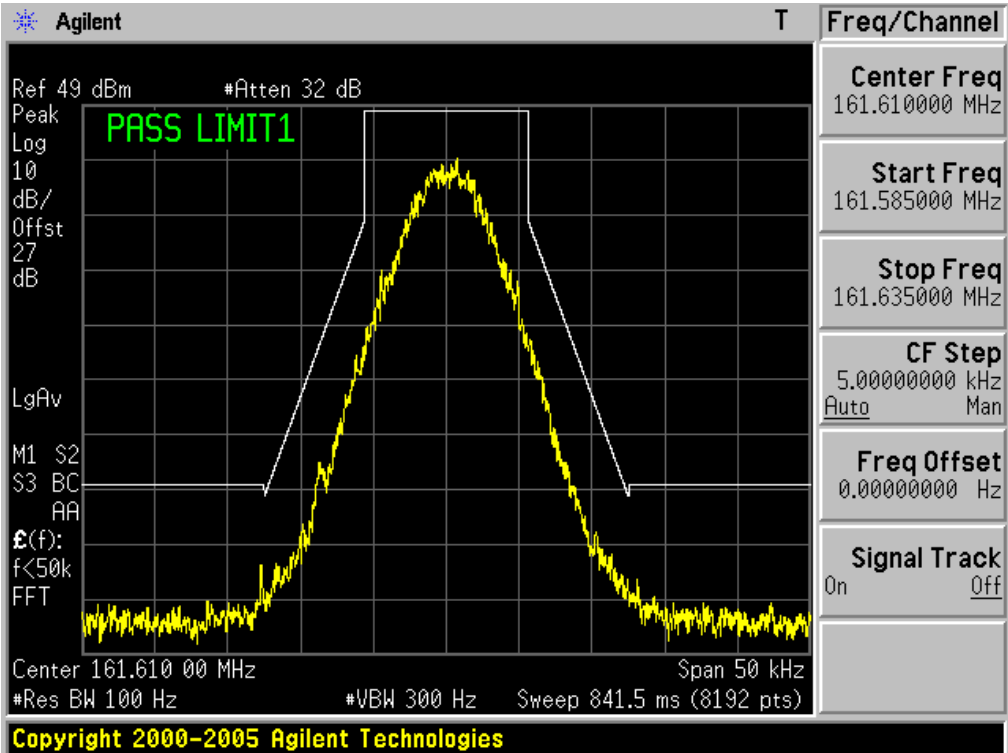
The Worst Emission Mask D for (155.025MHz) of 12.5 KHz channel Separation (10W)



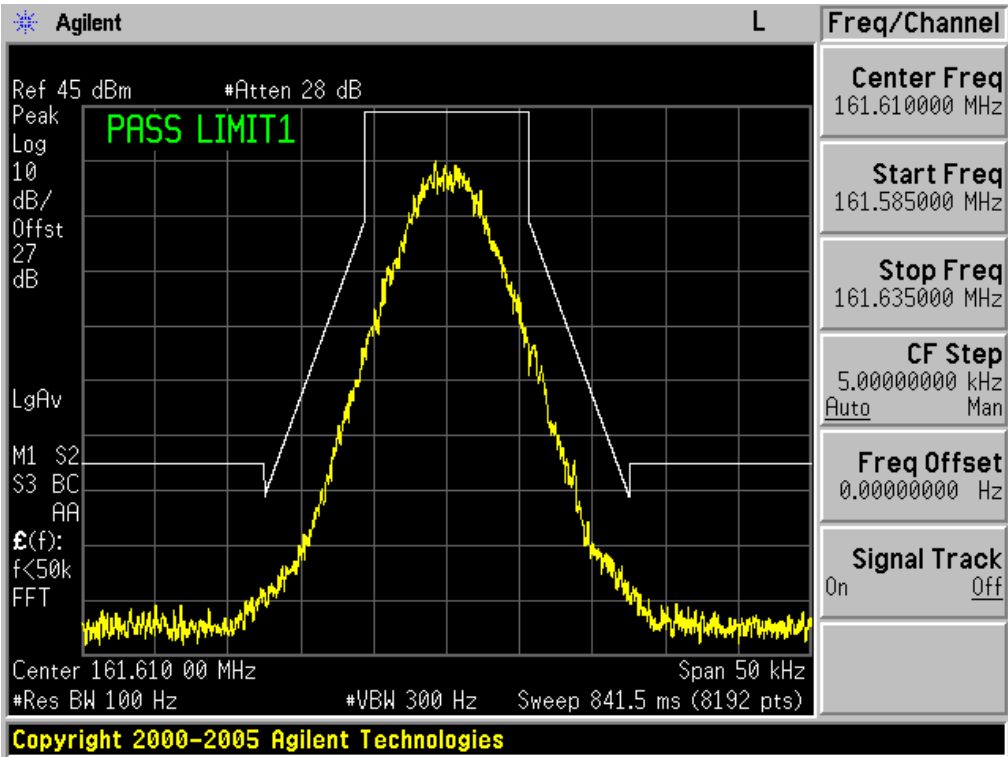
The Worst Emission Mask D for (155.025MHz) of 12.5 KHz channel Separation (1W)



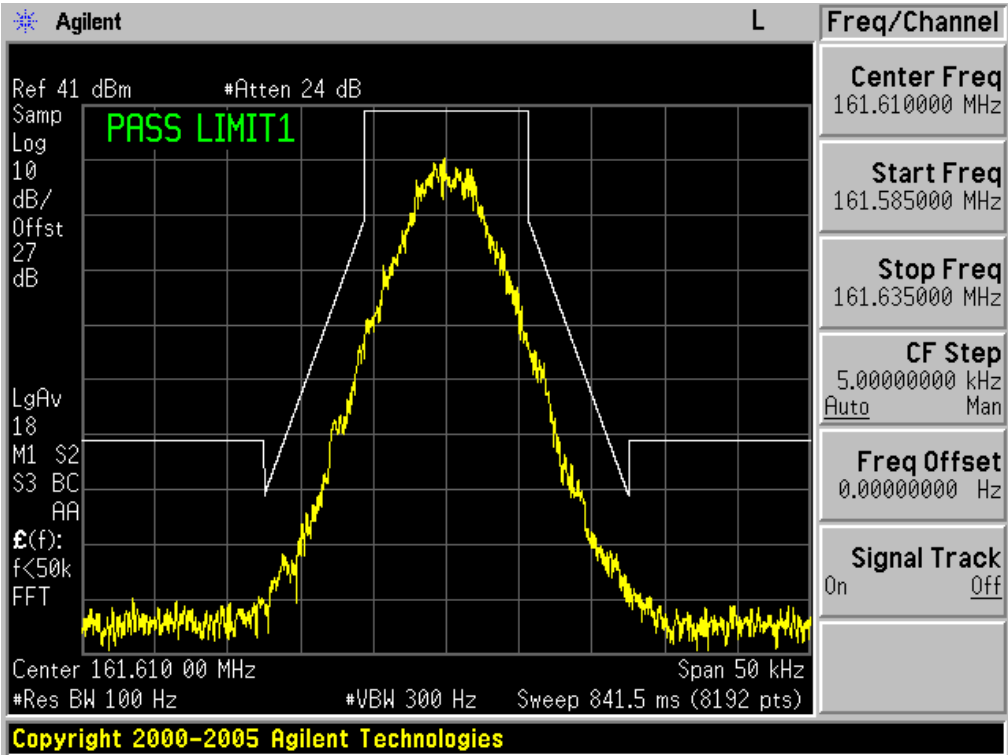
The Worst Emission Mask D for (161.61MHz) of 12.5 KHz channel Separation (60W)



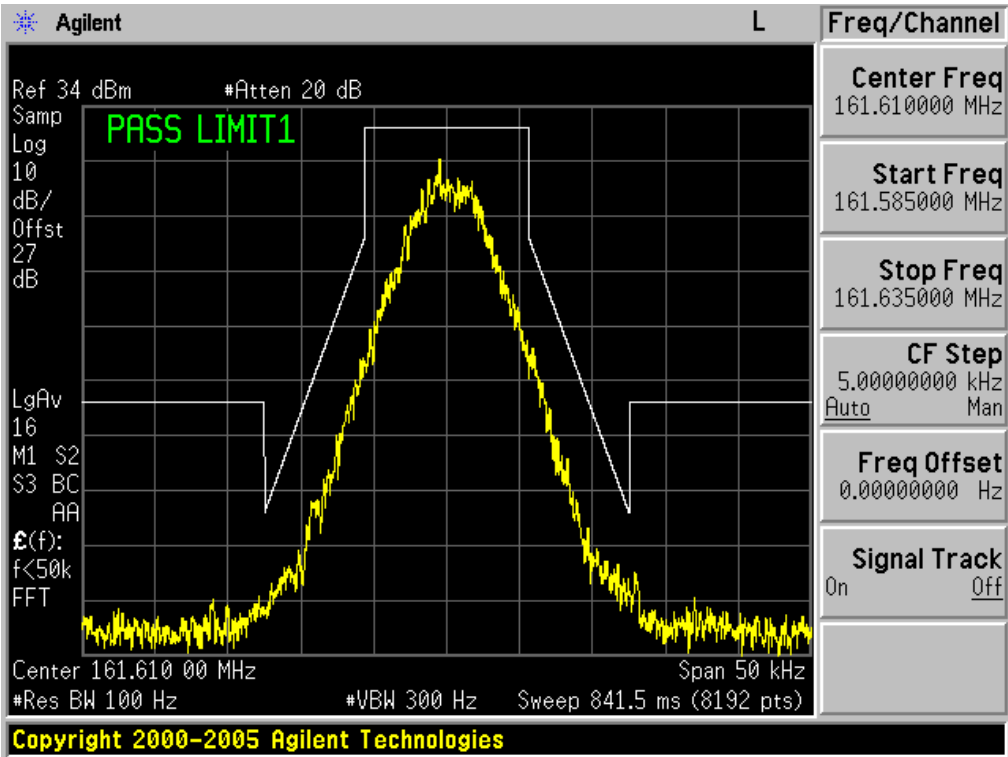
The Worst Emission Mask for (161.61MHz) of 12.5 KHz channel Separation (25W)



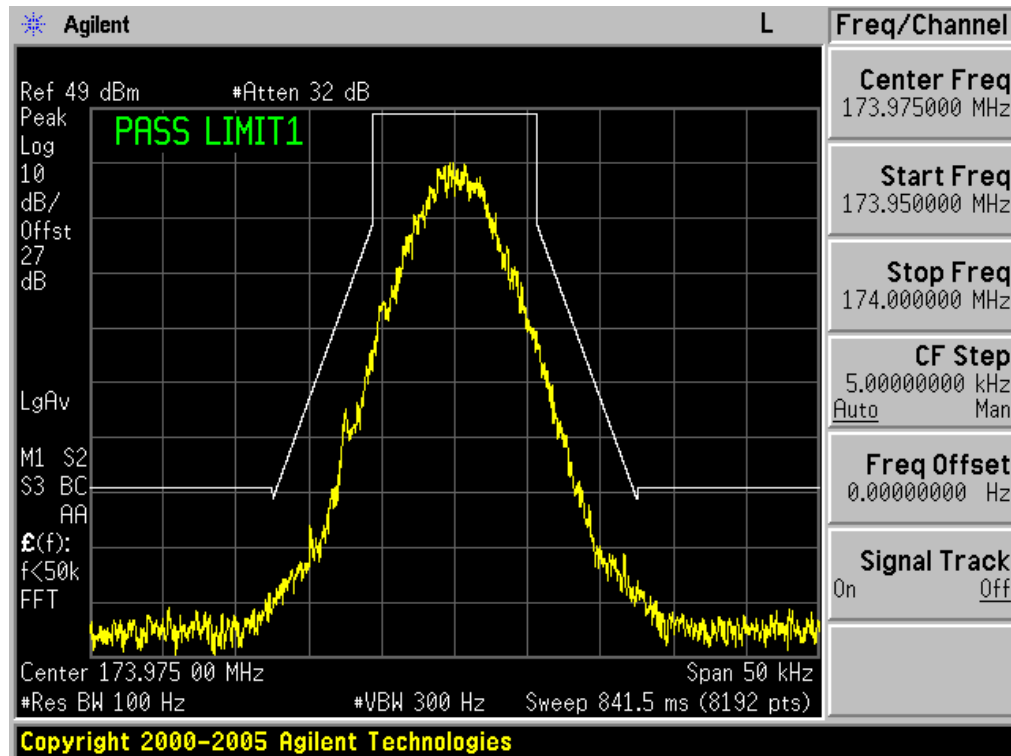
The Worst Emission Mask D for (161.61MHz) of 12.5 KHz channel Separation (10W)



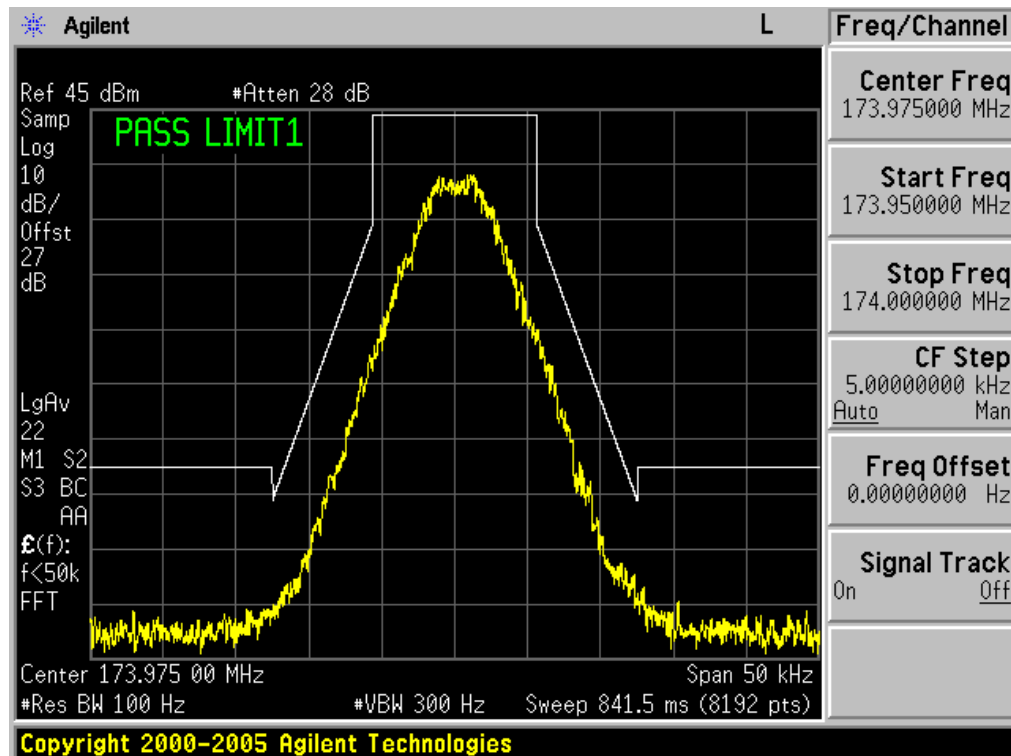
The Worst Emission Mask for (161.61MHz) of 12.5 KHz channel Separation (1W)



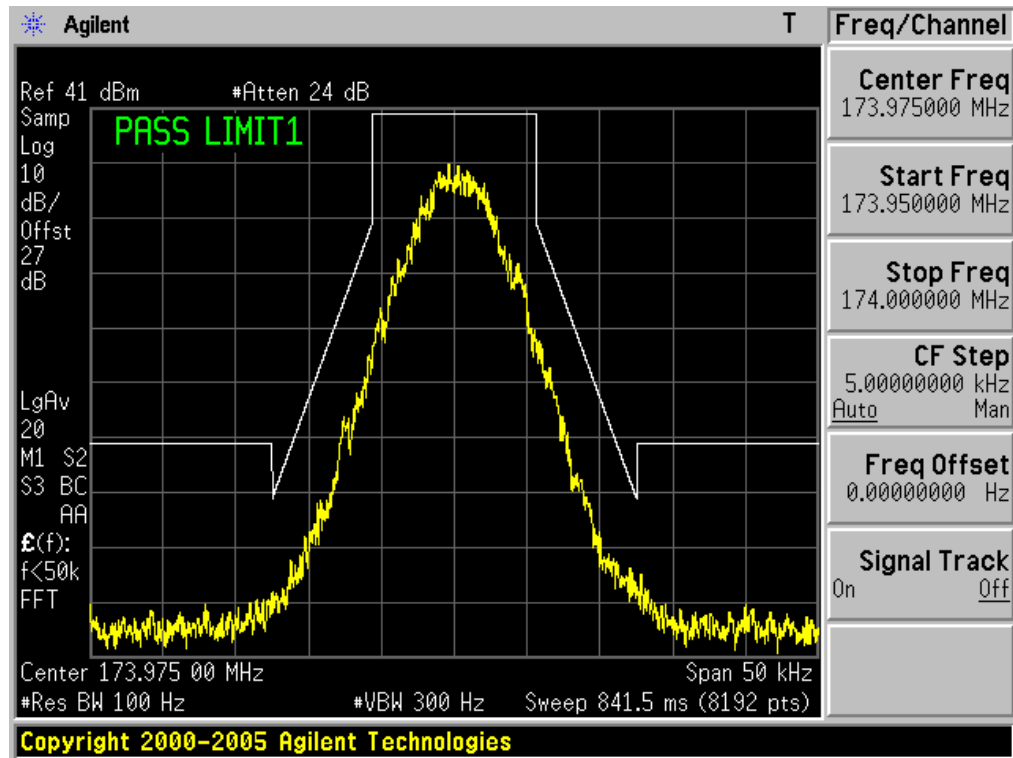
The Worst Emission Mask D for (173.975MHz) of 12.5 KHz channel Separation (60W)



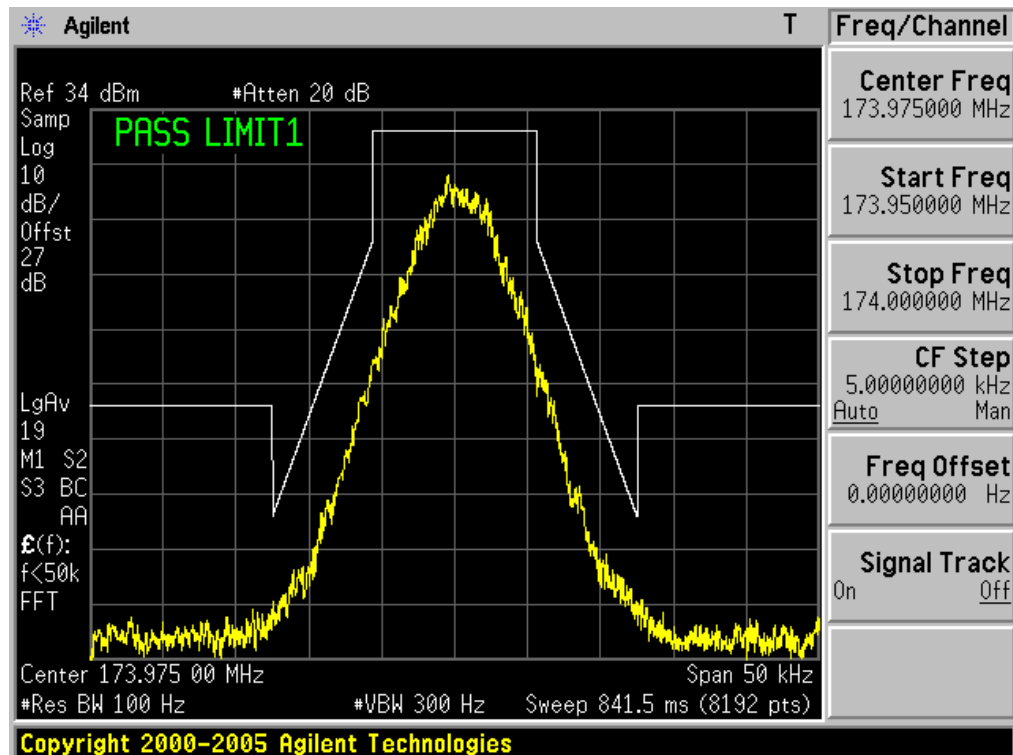
The Worst Emission Mask D for (173.975MHz) of 12.5 KHz channel Separation (25W)



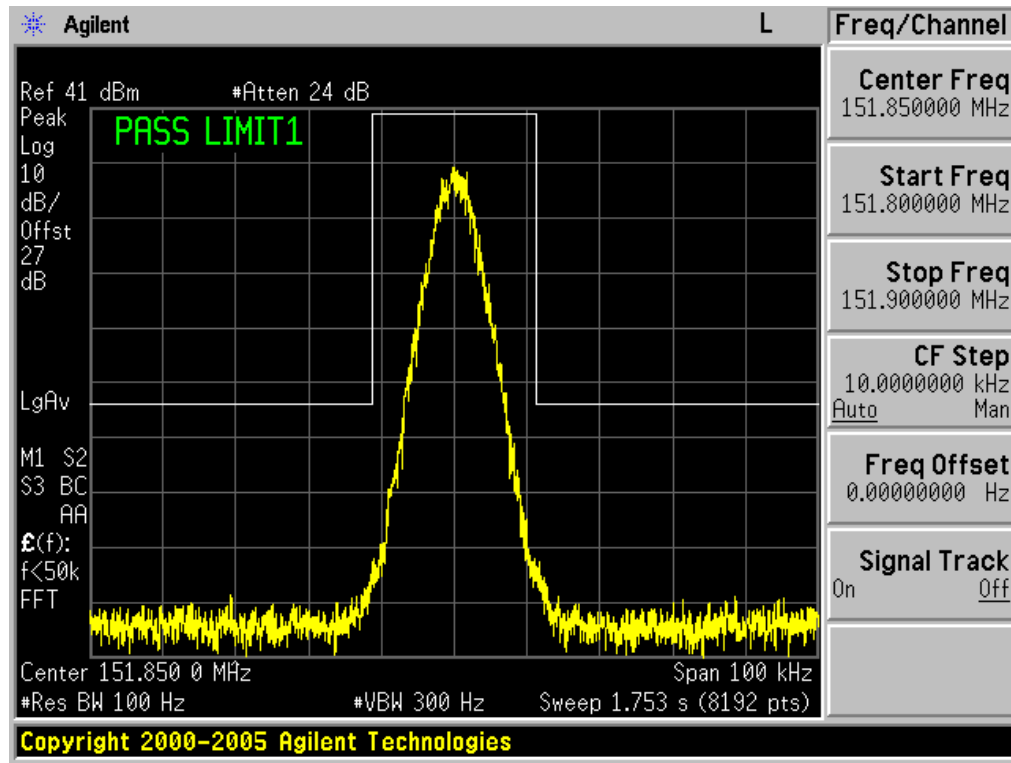
The Worst Emission Mask D for (173.975MHz) of 12.5 KHz channel Separation (10W)



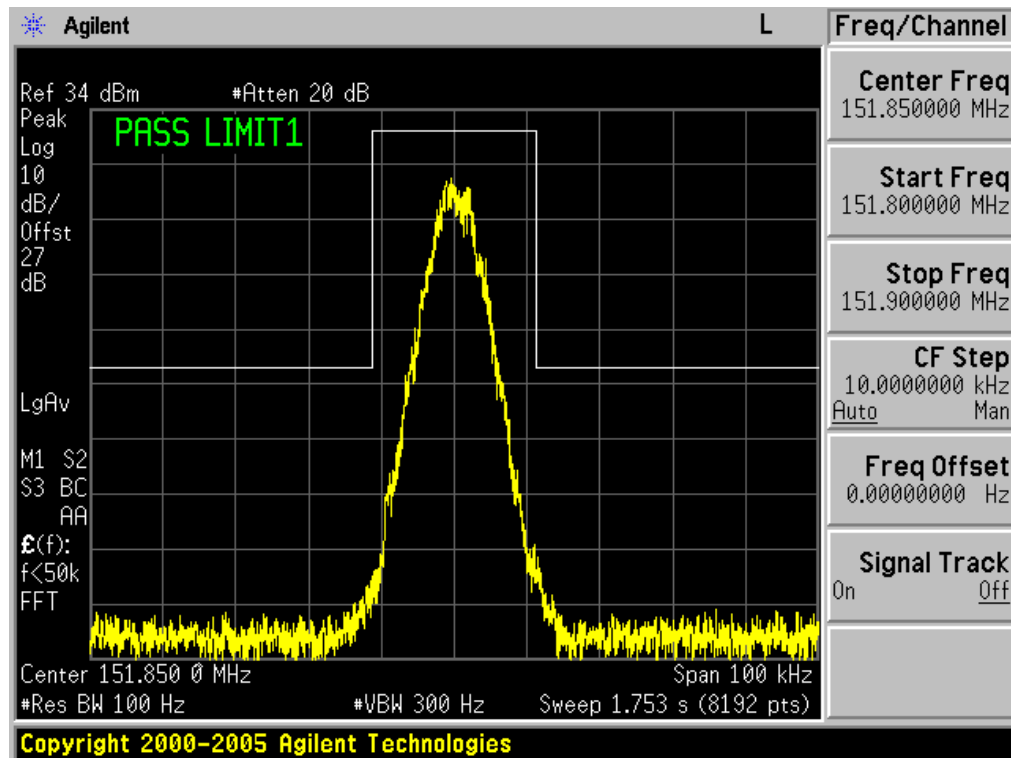
The Worst Emission Mask D for (173.975MHz) of 12.5 KHz channel Separation (1W)



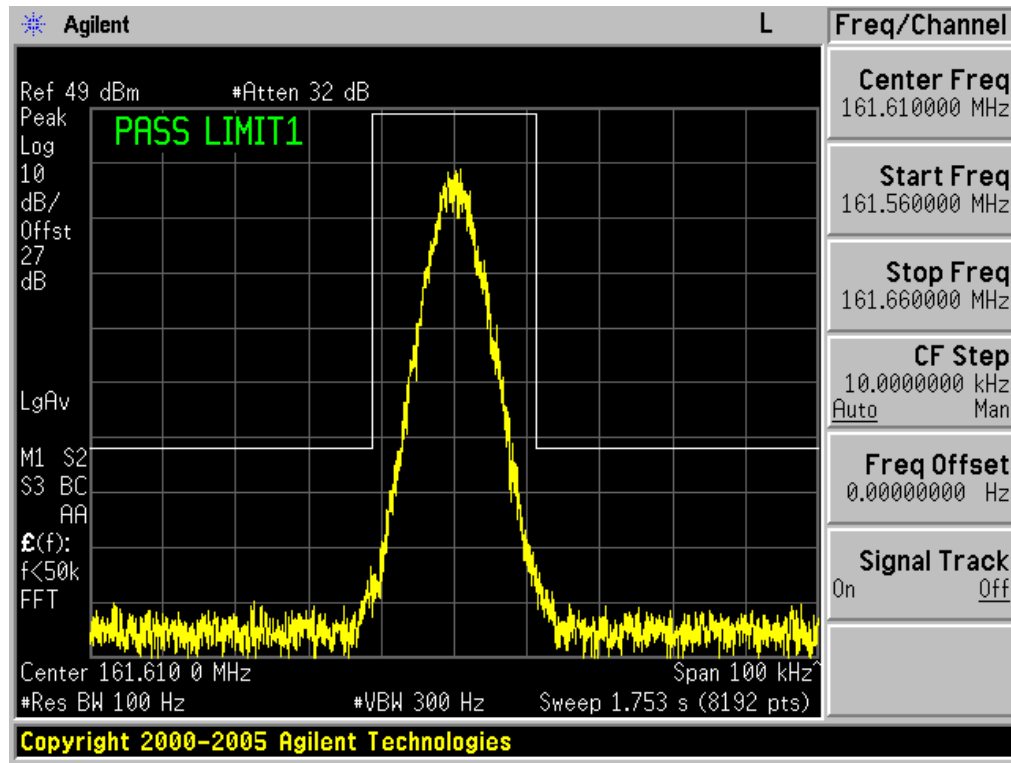
The Worst Emission Mask § 22.359 for (151.85 MHz) of 12.5 KHz channel Separation (10W)



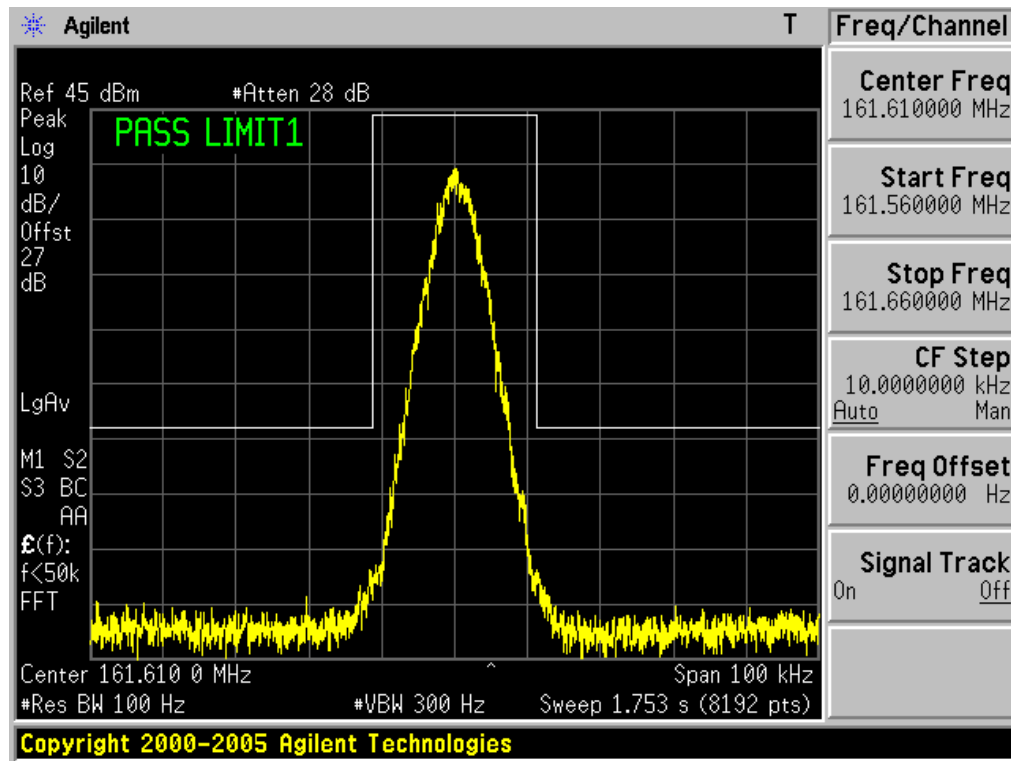
The Worst Emission Mask § 22.359 for (151.85 MHz) of 12.5 KHz channel Separation (1W)



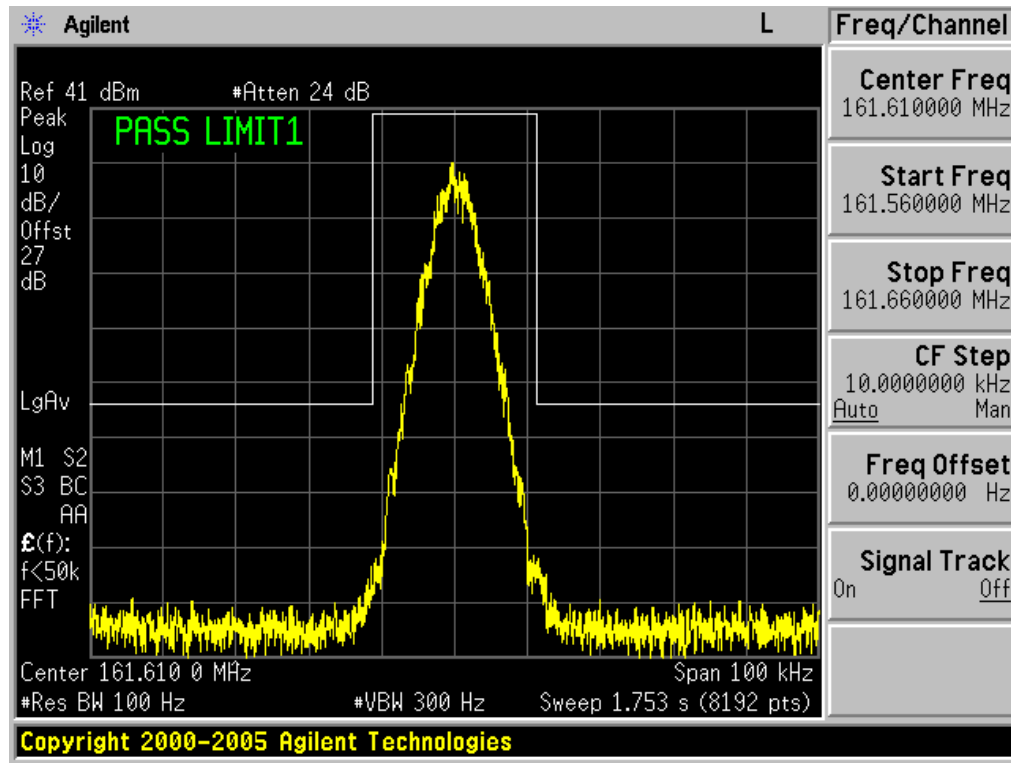
The Worst Emission Mask § 22.359 for (161.61 MHz) of 12.5 KHz channel Separation (60W)



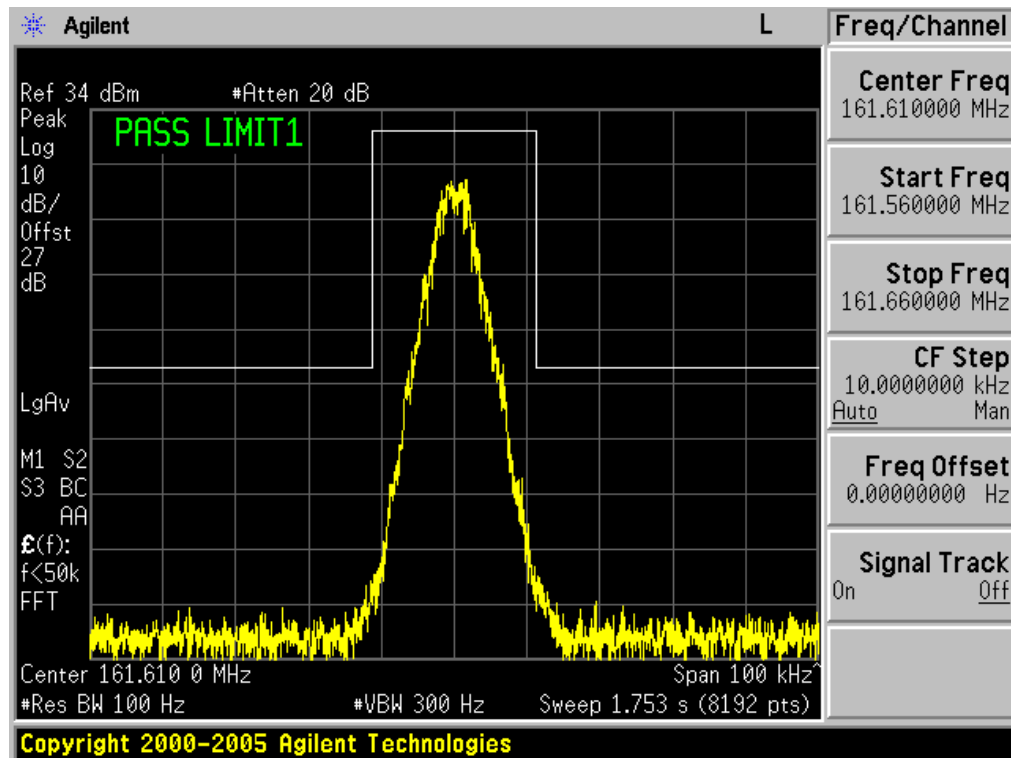
The Worst Emission Mask § 22.359 for (161.61 MHz) of 12.5 KHz channel Separation (25W)



The Worst Emission Mask § 22.359 for (161.61 MHz) of 12.5 KHz channel Separation (10W)

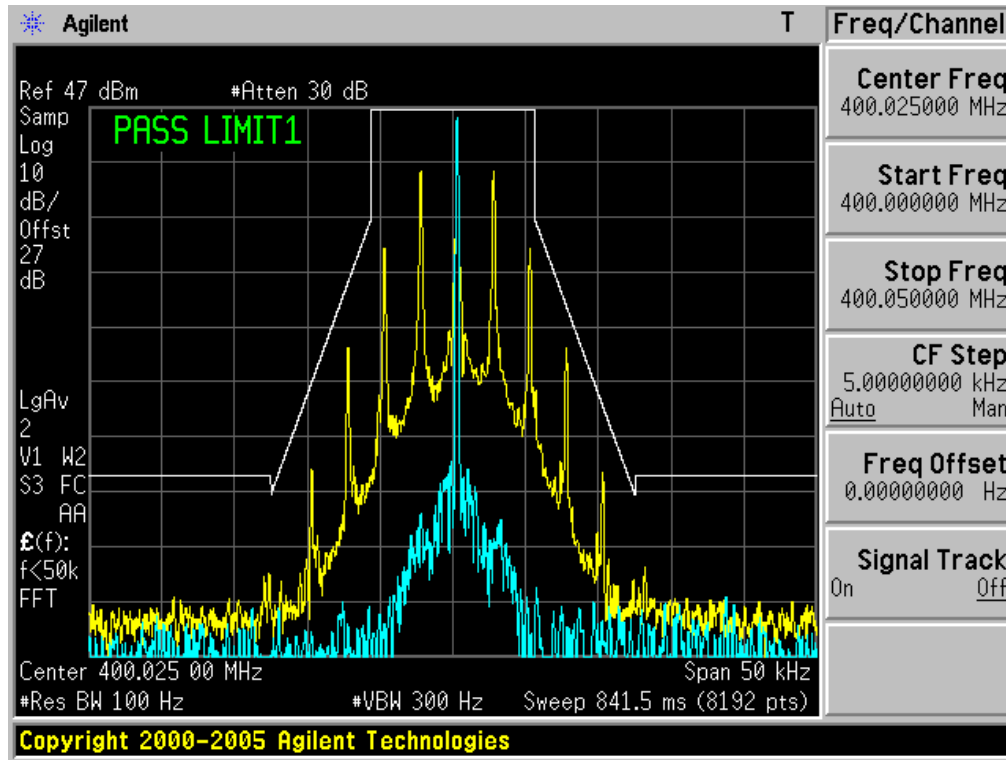


The Worst Emission Mask § 22.359 for (161.61 MHz) of 12.5 KHz channel Separation (1W)

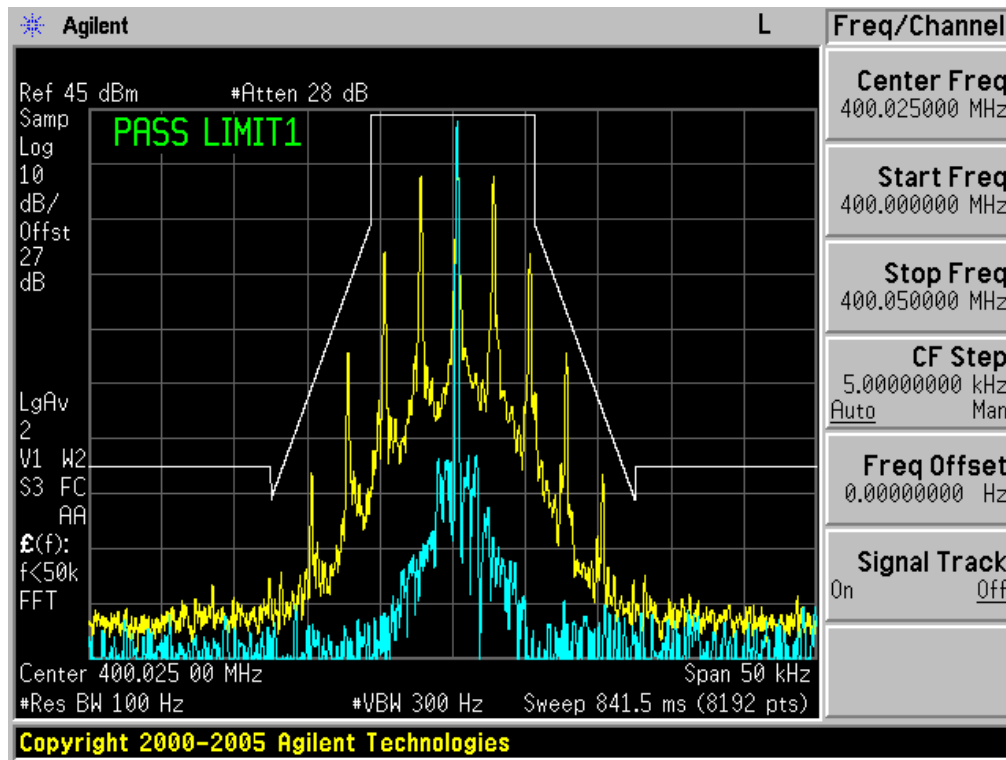


UHF:
Analog:

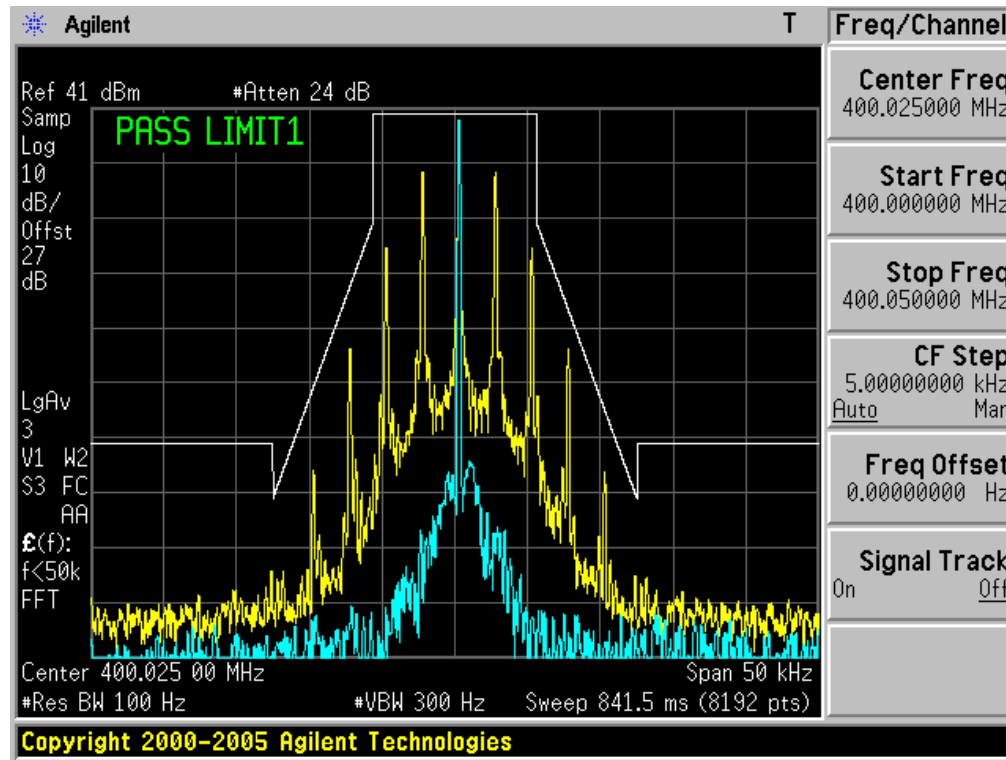
The Worst Emission Mask D for (400.025 MHz) of 12.5 KHz channel Separation (45W)



The Worst Emission Mask D for (400.025 MHz) of 12.5 KHz channel Separation (25W)



The Worst Emission Mask D for (400.025 MHz) of 12.5 KHz channel Separation (10W)



The Worst Emission Mask D for (400.025 MHz) of 12.5 KHz channel Separation (1W)

