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CERTIFICATION TEST REPORT

Manufacturer: Voice of God Recordings Inc.
5911 Charlestown Pike
Jeffersonville, Indiana 47131 USA

Applicant: Same as Above

Product Name: Agapao Tablet

Product Description: Handheld Android Tablet

Model: Agapao

FCC ID: 2ASB8-AGAPAO

Testing Commenced: Mar. 13, 2019

Testing Ended: May 28, 2019

Summary of Test Results: **In Compliance**

The EUT complies with the EMC requirements when manufactured identically as the unit tested in this report, including any required modifications. Any changes to the design or build of this unit subsequent to this testing may deem it non-compliant.

Rule(s):

- **FCC Part 15 Subpart E – Unlicensed National Information Infrastructure Devices, Section 15.407 General technical requirements**
- **FCC15.207 - Conducted Limits**



Order Number: F2P20632A

Applicant: Voice of God Recordings Inc.
FCC ID: 2ASB8-AGAPAO

Evaluation Conducted by:

Julius Chiller, EMC/Wireless Engineer

Report Reviewed by:

Ken Littell, Director of EMC & Wireless Operations

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1 ADMINISTRATIVE INFORMATION

1.1 Measurement Location:

F2 Labs in Middlefield, Ohio. Site description and attenuation data are on file with the FCC's Sampling and Measurement Branch at the FCC Laboratory in Columbia, MD.

1.2 Measurement Procedure:

All measurements were performed according to ANSI C63.10:2013 and recommended FCC procedure of measurement of Radio Transmitter-U-NII operating under Section 15.407 and in KDB789033. A list of the measurement equipment can be found in Section 6.



1.3 Uncertainty Budget:

The uncertainty in EMC measurements arises from several factors which affect the results, some associated with environmental conditions in the measurement room, the test equipment being used, and the measurement techniques adopted.

The measurement uncertainty budgets detailed below are calculated from the test and calibration data and are expressed with a 95% confidence factor using a coverage factor of $k=2$. The Uncertainty for a laboratory are referred to as U_{lab} . For Radiated and Conducted Emissions, the Expanded Uncertainty is compared to the U_{cispr} values to determine if a specific margin is required to deem compliance.

U_{lab}

Measurement Range	Combined Uncertainty	Expanded Uncertainty
Radiated Emissions <1 GHz @ 3m	2.54	5.07dB
Radiated Emissions <1 GHz @ 10m	2.55	5.09dB
Radiated Emissions 1 GHz to 2.7 GHz	1.81	3.62dB
Radiated Emissions 2.7 GHz to 18 GHz	1.55	3.10dB
AC Power Line Conducted Emissions, 150kHz to 30 MHz	1.38	2.76dB
AC Power Line Conducted Emissions, 9kHz to 150kHz	1.66	3.32dB

U_{cispr}

Measurement Range	Expanded Uncertainty
Radiated Emissions <1 GHz @ 3m	5.2dB
Radiated Emissions <1 GHz @ 10m	5.2dB
Radiated Emissions 1 GHz to 2.7 GHz	Under Consideration
Radiated Emissions 2.7 GHz to 18 GHz	Under Consideration
AC Power Line Conducted Emissions, 150kHz to 30 MHz	3.6dB
AC Power Line Conducted Emissions, 9kHz to 150kHz	4.0dB

If U_{lab} is less than or equal to U_{cispr} , then:

- compliance is deemed to occur if no measured disturbance exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance exceeds the disturbance limit.

If U_{lab} is greater than U_{cispr} in table 1, then:

- compliance is deemed to occur if no measured disturbance, increased by ($U_{lab} - U_{cispr}$), exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance, increased by ($U_{lab} - U_{cispr}$), exceeds the disturbance limit.

Note: Only measurements listed in the tables above that relate to tests included in this Test Report are applicable.



1.4 Document History

Document Number	Description	Issue Date	Approved By
F2P20632A-02E	First Issue	May 28, 2019	K. Littell
F2P20632A-02E Rev. 1	Correction of typo in FCC ID on page 1.	June 26, 2019	K. Littell



2 SUMMARY OF TEST RESULTS

Note: Results below apply to both 5.1 GHz and 5.7 GHz.

Test Name	Standard(s)	Results
Radiated Spurious Emission	CFR 47 Part 15.407(b)(1,4) / Part 15.209 / KDB789033	Complies
Occupied Bandwidth	CFR 47 Part 15.407(e) / Part 15.209 / KDB789033	Complies
Output Power	CFR 47 Part 15.407(a)(1)(iv) / Part 15.407(a)(3) / KDB789033	Complies
Power Spectral Density	CFR 47 Part 15.407(a)(1)(iv) / Part 15.407(a)(3) / KDB789033	Complies
Conducted Spurious Emissions	CFR 47 Part 15.407(b)(1,4)	Complies
Voltage Variations	CFR 47 Part 15.31(e)	Complies
Conducted Emissions	CFR 47 Part 15.207(a)	Complies

Modifications Made to the Equipment
None



2 TABLE OF MEASURED RESULTS

UNII1 N20M	Low, 5180; Mid, 5220; High, 5240
UNII1 N40M	Low, 5190; High, 5230
UNII1 AC 80M	High, 5210
UNII3 N20	Low, 5745; Mid, 5785; high, 5825
UNII3 N40	Low, 5755; High, 5795
UNII3 AC 80	High, 5775



Test			Low Channel	Mid Channel	High Channel
Output Power	MCS7, UNII1	802.11n, 20M	58.07mW, 17.64dBm	62.37mW, 17.95dBm	60.95mW, 17.85dBm
	MCS7, UNII1	802.11n, 40M	66.52mW, 18.23dBm	--	68.07mW, 18.33dBm
	MCS8, UNII1	802.11ac, 80M	47.42mW, 16.76dBm	--	--
	MCS9, UNII1	802.11ac, 80M	32.96mW, 15.18dBm	--	--
	MCS7, UNII3	802.11n, 20M	30.4mW, 14.83dBm	33.19mW, 15.21dBm	35.15mW, 15.46dBm
	MCS7, UNII3	802.11n, 40M	32.06mW, 15.06dBm	--	35.15mW, 15.46dBm
	MCS8, UNII3	802.11ac, 80M	25.7mW, 14.10dBm	--	--
	MCS9, UNII3	802.11ac, 80M	16.9mW, 12.28dBm	--	--
	Limits		UNII1 0.25 Watt, (24dBm)	UNII3 1 Watt (30dBm)	
E.I.R.P.	MCS7, UNII1	802.11n, 20M	92.05mW, 19.64dBm	98.85mW, 19.95dBm	96.6mW, 19.85dBm
	MCS7, UNII1	802.11n, 40M	105.4mW, 20.23dBm	--	107.9mW, 20.33dBm
	MCS8, UNII1	802.11ac, 80M	75.16mW, 18.76dBm	--	--
	MCS9, UNII1	802.11ac, 80M	52.2mW, 17.18dBm	--	--
	MCS7, UNII3	802.11n, 20M	48.19mW, 16.83dBm	52.6mW, 17.21dBm	55.71mW, 17.46dBm
	MCS7, UNII3	802.11n, 40M	50.82mW, 17.06dBm	--	55.72mW, 17.46dBm
	MCS8, UNII3	802.11ac, 80M	40.78mW, 16.10dBm	--	--
	MCS9, UNII3	802.11ac, 80M	26.8mW, 14.28dBm	--	--
	Limits		UNII1 1 Watt (30dBm)	UNII3 4 Watts (36dBm)	



Test	Low Channel		Low Channel	Mid Channel	High Channel
Peak Power Spectral Density	UNII1, 20M		4.40dBm	5.73dBm	5.50dBm
	UNII1, 40M		2.26dBm	--	3.75dBm
	UNII1, 80M		-3.79dBm	--	--
	Limit:		11dBm/1 MHz	11dBm/1 MHz	11dBm/1 MHz
	UNII3, 20M		-0.55dBm	0.39dBm	1.47dBm
	UNII3, 40M		-3.35dBm	--	-2.35dBm
	UNII3, 80M		-8.83dBm	--	--
	Limit:		30dBm/500kHz	30dBm/500kHz	30dBm/500kHz
-26dB Occupied Bandwidth (MHz)	UNII1 802.11n, 20M		21.476	21.534	21.708
	UNII1 802.11n, 40M		39.768	--	38.900
	UNII1 802.11ac, 80M		--	--	80.53
	UNII3, 802.11n, 20M		21.751	21.707	22.011
	UNII3, 802.11n, 40M		40.029	--	39.363
	UNII3, 802.11ac, 80M		--	--	79.74
99% Occupied Bandwidth (MHz)	UNII1 802.11n, 20M		18.002	18.060	17.945
	UNII1 802.11n, 40M		38.900	--	36.295
	UNII1 802.11ac, 80M		--	--	75.832
	UNII3, 802.11n, 20M		18.017	17.974	18.104
	UNII3, 802.11n, 40M		36.295	--	36.295
	UNII3, 802.11ac, 80M		--	--	75.687
Voltage Variations UNII1	802.11n, 20M	@85%	--	15.89dBm	--
		@115%	--	15.91dBm	--
	802.11n, 40M	@85%	--	--	15.58dBm
		@115%	--	--	12.11dBm
	802.11ac, 80M	@85%	--	12.37dBm	--
		@115%	--	12.41dBm	--
Voltage Variations UNII3	802.11n, 20M	@85%	--	12.13dBm	--
		@115%	--	12.12dBm	--
	802.11n, 40M	@85%	15.77dBm	--	--
		@115%	12.19dBm	--	--
	802.11ac, 80M	@85%	--	8.67dBm	--
		@115%	--	8.92dBm	--



4 ENGINEERING STATEMENT

This report has been prepared on behalf of Voice of God Recordings Inc. to provide documentation for the testing described herein. This equipment has been tested and found to comply with Part 15.407 of the FCC Rules using ANSI C63.10 and KDB789033 standards. The test results found in this test report relate only to the items tested.



5 EUT INFORMATION AND DATA

5.1 Equipment Under Test:

Product: Agapao Tablet

Model: Agapao

Serial No.: N/A

FCC ID: **2ASB8-AGAPAO**

5.2 Trade Name:

Voice of God Recordings Inc.

5.3 Power Supply:

I.T.E Model KA1440-1202000H

12VDC@2A

5.4 Applicable Rules:

CFR 47, Part 15.407, subpart E

5.5 Equipment Category:

Radio Transmitter-U-NII

5.6 Antenna:

2dBi Integral Antenna

5.7 Accessories:

N/A

5.8 Test Item Condition:

Transmitter was operated in the Continuous mode. Measurements were taken on low, mid and high channels in each appropriate band.

UNII1 N20M	Low, 5180; Mid, 5200; High, 5240
UNII1 N40M	Low, 5190; High, 5230
UNII1 AC 80M	High, 5210
UNII3 N20	Low, 5745; Mid, 5785; high, 5825
UNII3 N40	Low, 5755; High, 5795
UNII3 AC 80	High, 5775



5.9 Testing Algorithm:

The EUT was set up in a test mode to continuous transmit at low, mid and high frequencies of the 5.15-5.25 GHz (UNII1) and 5.725-5.85 GHz (UNII3) spectrum.

For the 5.15-5.25 GHz (UNII1) band at 20MHz BW, 5.18 GHz was the Center frequency for the low channel, 5.22 GHz was the Center frequency for the mid channel, and 5.24 GHz was the Center frequency for the high channel. For the 40MHz BW, 5.19 GHz was the Center frequency for the low channel, and 5.23 GHz was the Center frequency for the high channel. For the 80MHz BW, there was only one center frequency of 5.21 GHz.

For the 5.725-5.85 band (UNII3) at 20MHz BW, 5.745 GHz was the Center frequency for the low channel, 5.785 GHz was the Center frequency for the mid channel, and 5.825 GHz was the Center frequency for the high channel. For the 40 MHz BW, 5.755 GHz was the Center frequency for the low channel, and 5.795 GHz was the Center frequency for the high channel. For the 80 MHz BW, 5.775 GHz was the center frequency.

EUT was powered at 120V, 60 Hz. The highest emissions were recorded in the data tables.

**5 LIST OF MEASUREMENT INSTRUMENTATION**

Equipment Type	Asset Number	Manufacturer	Model	Serial Number	Calibration Due Date
Temp/Hum. Recorder	CL234	Extech	445814	01	Mar. 22, 2019
Transient Limiter	CL102	Hewlett Packard	11947A	3107A03325	Feb. 7, 2020
Spectrum Analyzer	CL147	Agilent	E7402A	MY45101241	Jan. 25, 2020
LISN	CL181	Com-Power	LI-125A	191226	July 3, 2021
LISN	CL182	Com-Power	LI-125A	191225	July 3, 2021
Shielded Chamber 2014	CL166-E	AlbatrossProjects	B83117-DF435-T261	US140023	Aug. 30, 2019
Shield Room	0175-3V	Ray Proof	NA	11645	May 31, 2019
Temp/Hum. Recorder	CL232	Extech	445814	01	Mar. 22, 2019
Receiver	CL151	Rohde & Schwarz	ESU40	100319	Oct. 25, 2019
Receiver	CL204	Rohde & Schwarz	ESR7	101714	Oct. 29, 2019
Antenna, JB3 Combination	CL175	Sunol Sciences	JB3	A030315	Oct. 11, 2019
Horn Antenna	CL098	Emco	3115	9809-5580	Jan. 31, 2021
Pre-Amplifier	0197	Hewlett Packard	8447D	1726A01006	Oct. 25, 2019
Pre-Amplifier	CL153	Agilent	83006-69007	MY39500791	Aug. 24, 2019
Amplifier w/Monopole & 18" Loop	CL163-Loop	A.H. Systems, Inc.	EHA-52B	100	June 4, 2019
Software:	Tile Version 3.4.B.3.		Software Verified: Mar. 4, 2019; Mar. 8, 2019		
Software:	EMC 32, Version 8.53.0		Software Verified: Mar. 4, 2019; Mar. 8, 2019		



7 OCCUPIED BANDWIDTH

7.1 Requirements:

Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the -20dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated. The requirement to contain the designated bandwidth of the emission within the specified frequency band includes the effects from frequency sweeping, frequency hopping and other modulation techniques that may be employed as well as the frequency stability of the transmitter over expected variations in temperature and supply voltage.

Bandwidth measurements were made according to guidance in KDB 789033.

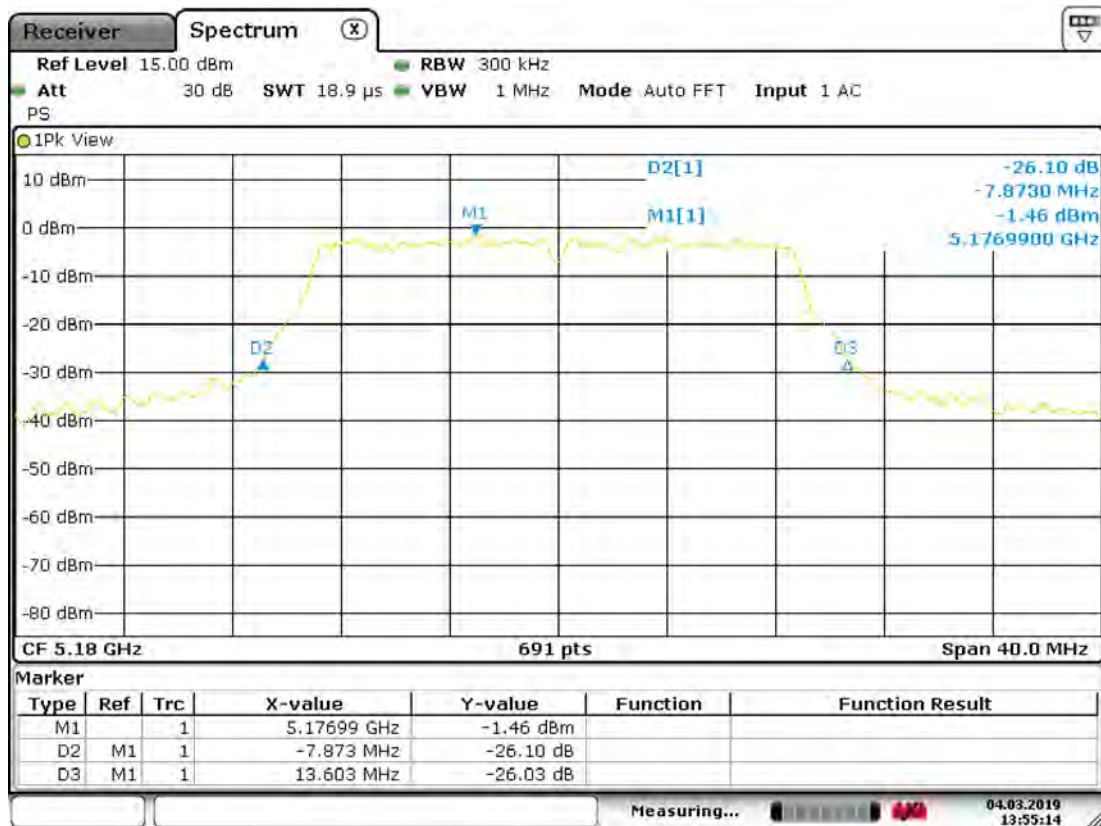
Bandwidth measurements were made at the low, mid and high frequencies. The bandwidth was measured using the analyzer's marker function.



7.2 Occupied Bandwidth Test Data

Test Date(s):	Mar. 4, 2019	Test Engineer(s):	J. Chiller
Standards:	CFR 47 Part 15.215(c), KDB789033	Air Temperature:	22.3°C
		Relative Humidity:	35%

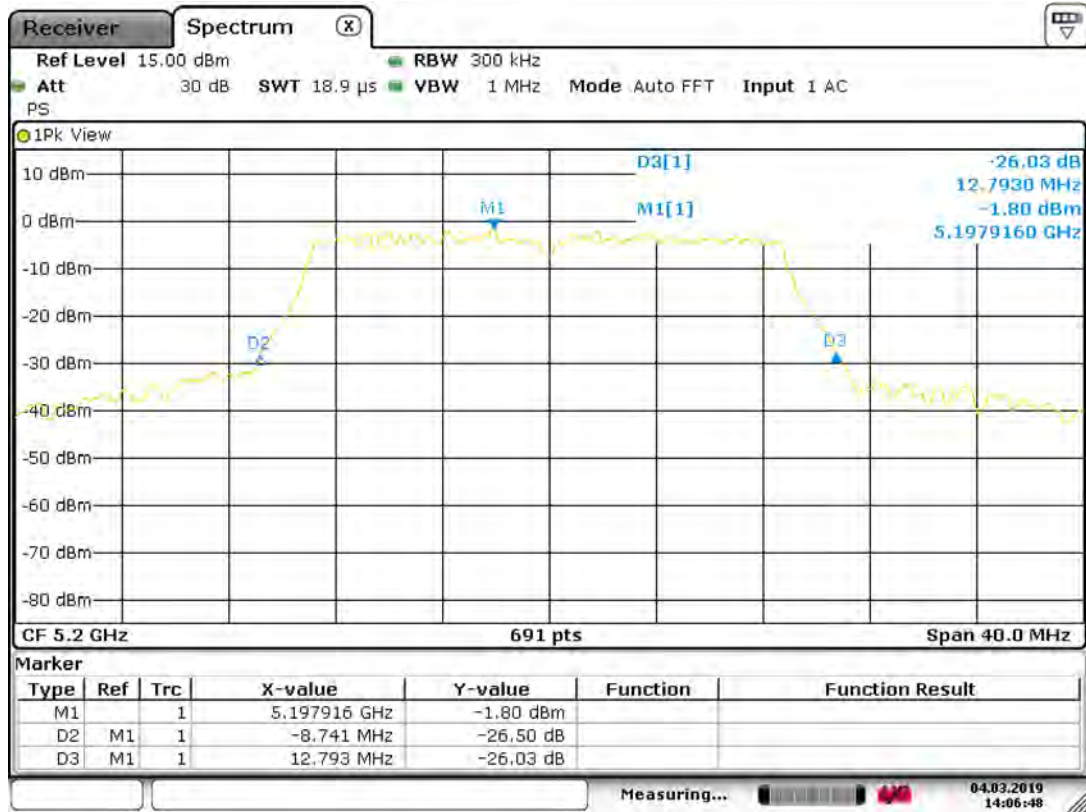
5.1 GHz, N20M: -26dB OBW, Low Channel



Date: 4.MAR.2019 13:55:14



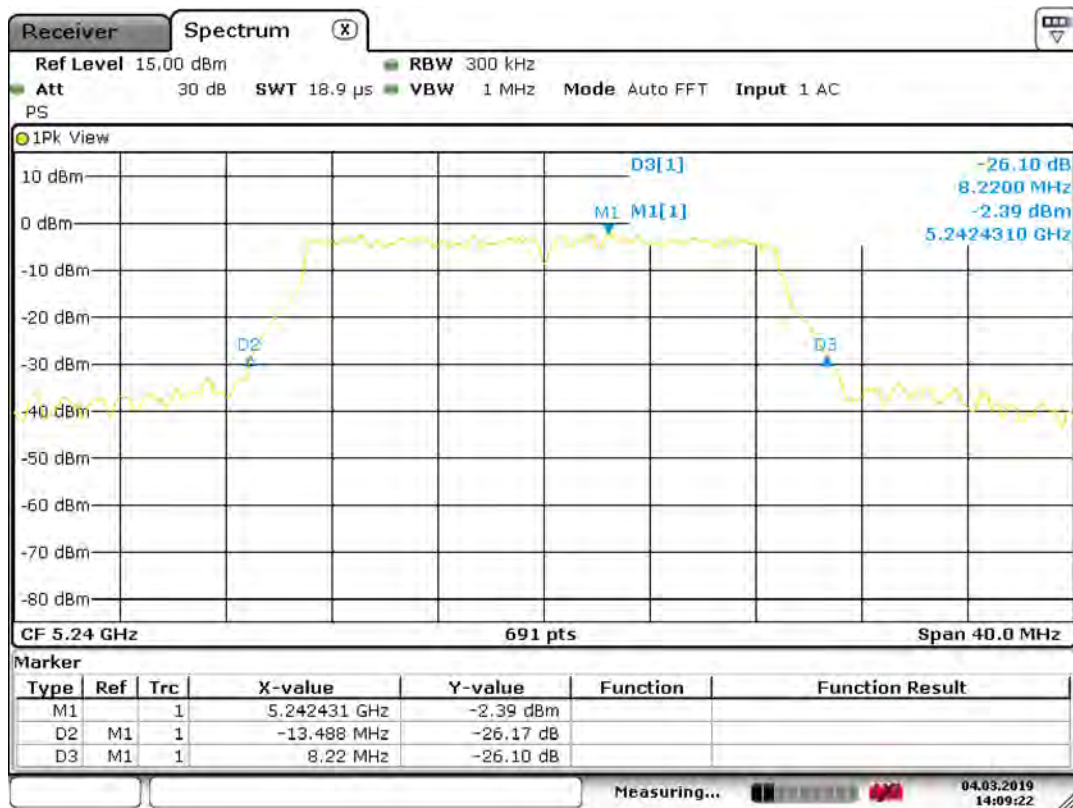
5.1 GHz, N20M: -26dB OBW, Mid Channel



Date: 4.MAR.2019 14:06:48



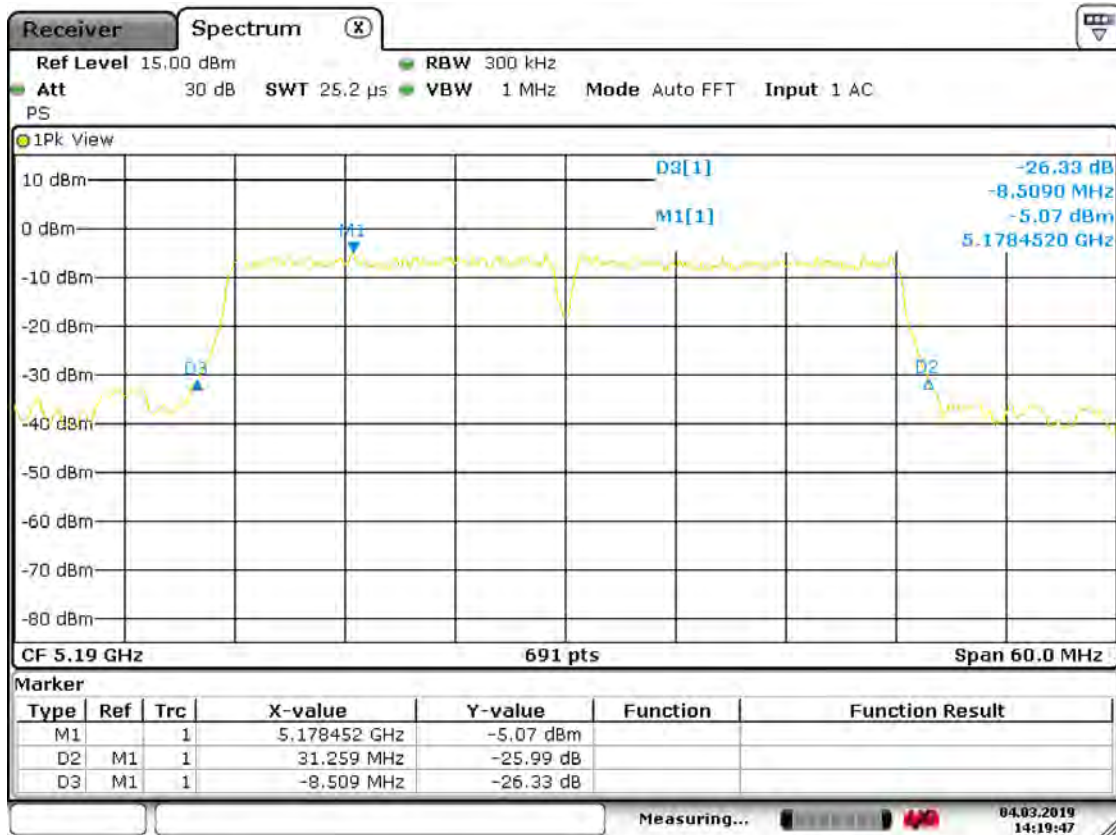
5.1 GHz, N20M: -26dB OBW, High Channel



Date: 4.MAR.2019 14:09:23



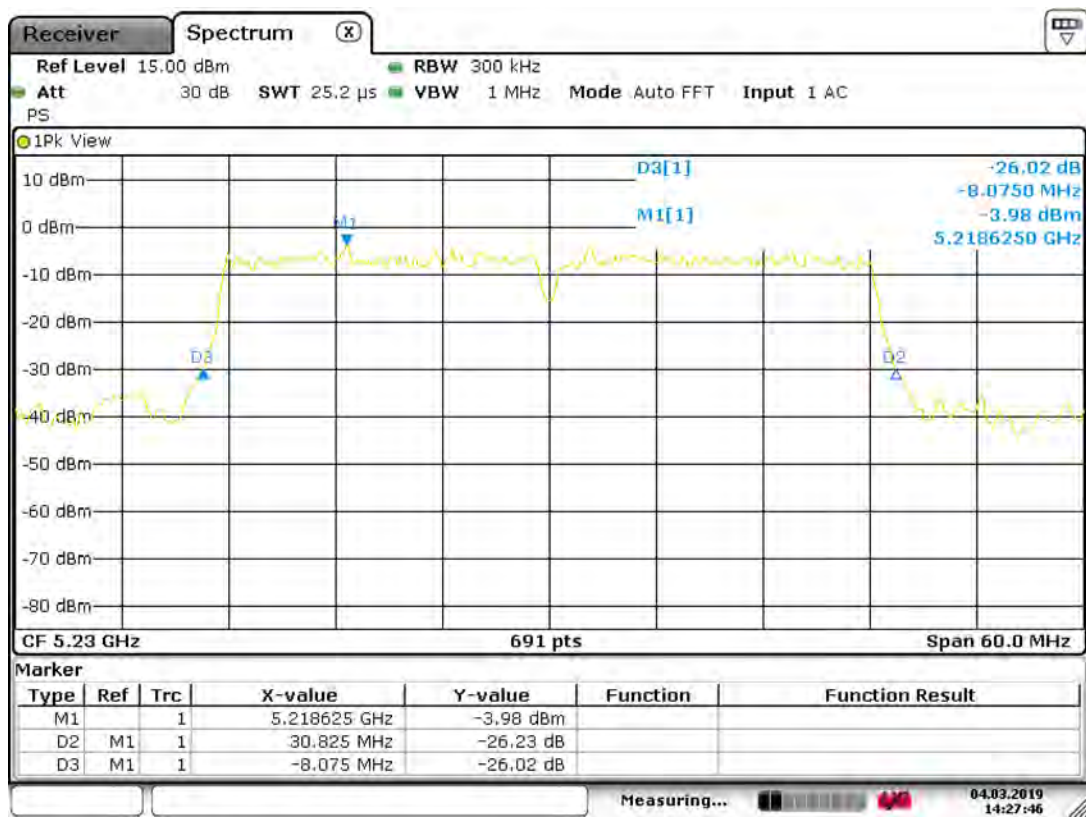
5.1 GHz, N40M: -26dB OBW, Low Channel



Date: 4.MAR.2019 14:19:47



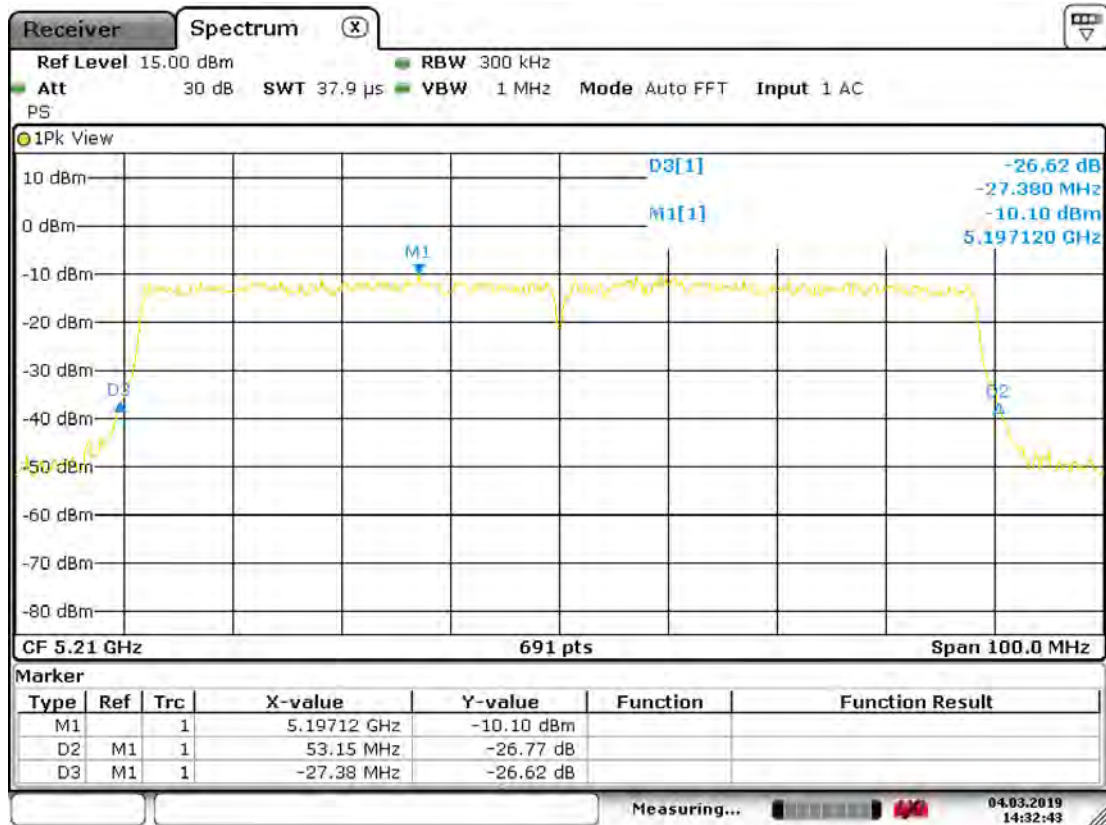
5.1 GHz, N40M: -26dB OBW, High Channel



Date: 4.MAR.2019 14:27:46



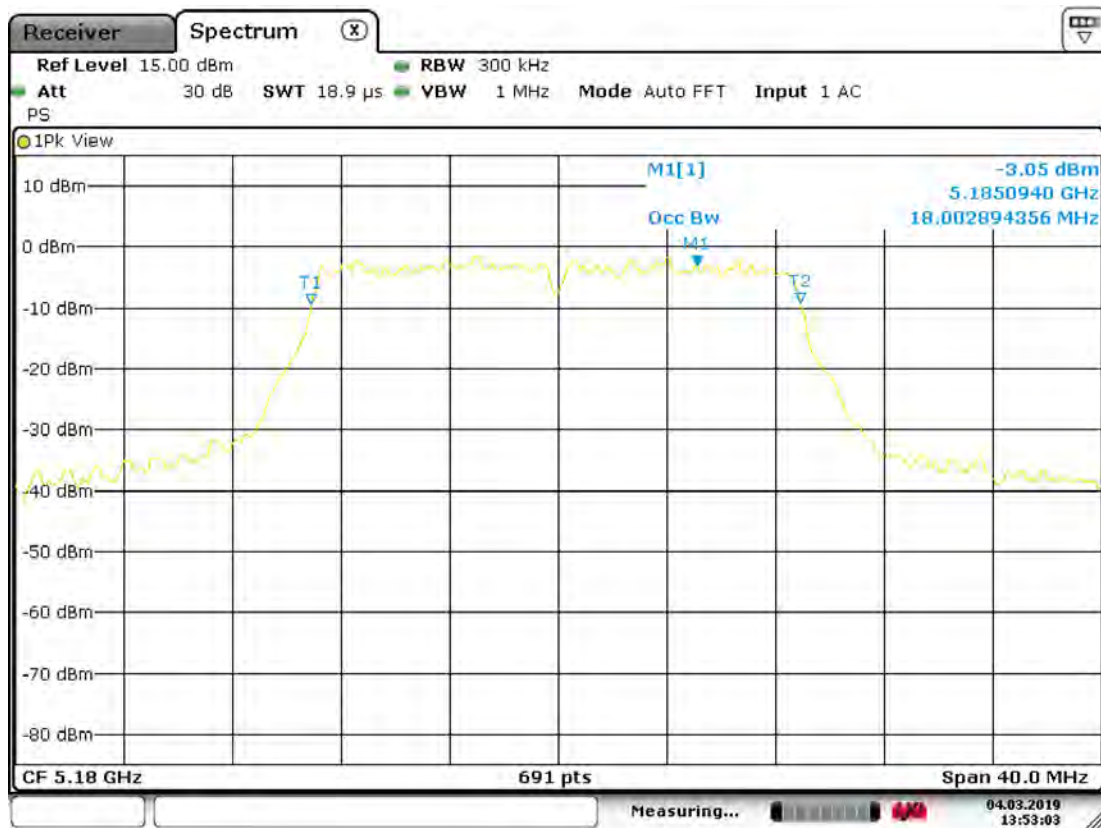
5.1 GHz, AC 80M: -26dB OBW



Date: 4.MAR 2019 14:32:43



5.1 GHz, N20M: 99% OBW, Low Channel



Date: 4.MAR.2019 13:53:03



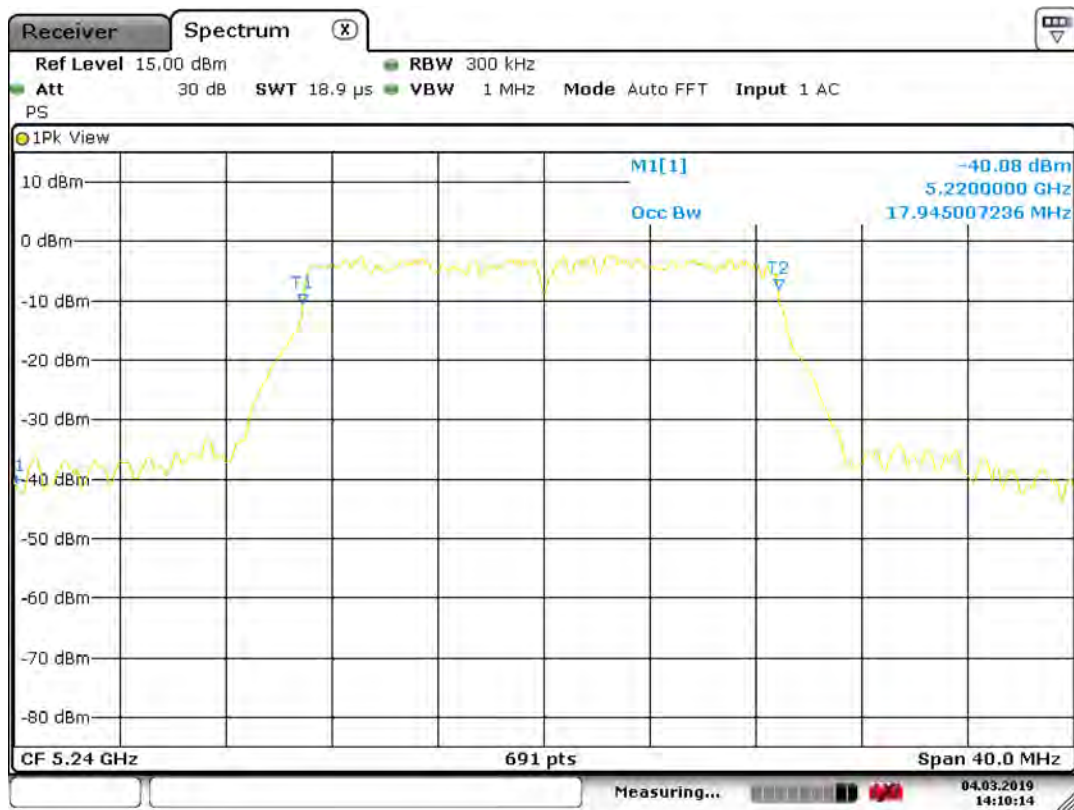
5.1 GHz, N20M: 99% OBW, Mid Channel



Date: 4.MAR.2019 14:05:39



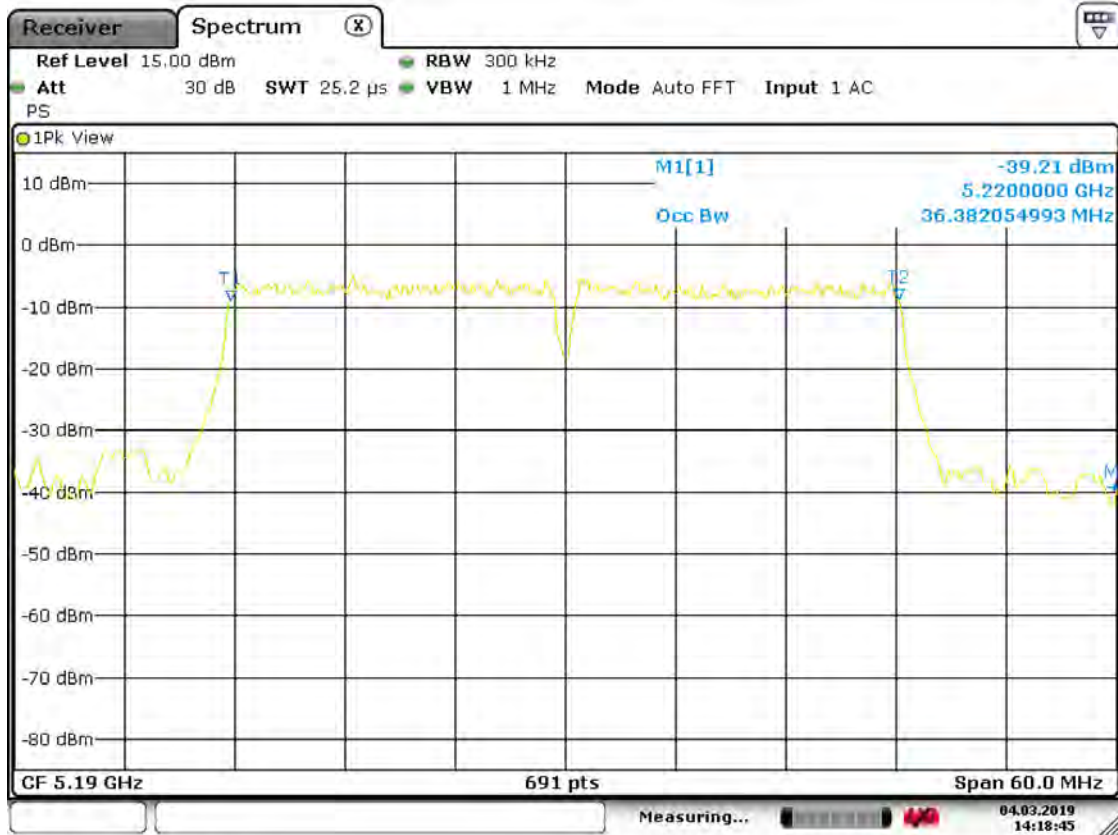
5.1 GHz, N20M: 99% OBW, High Channel



Date: 4.MAR.2019 14:10:14



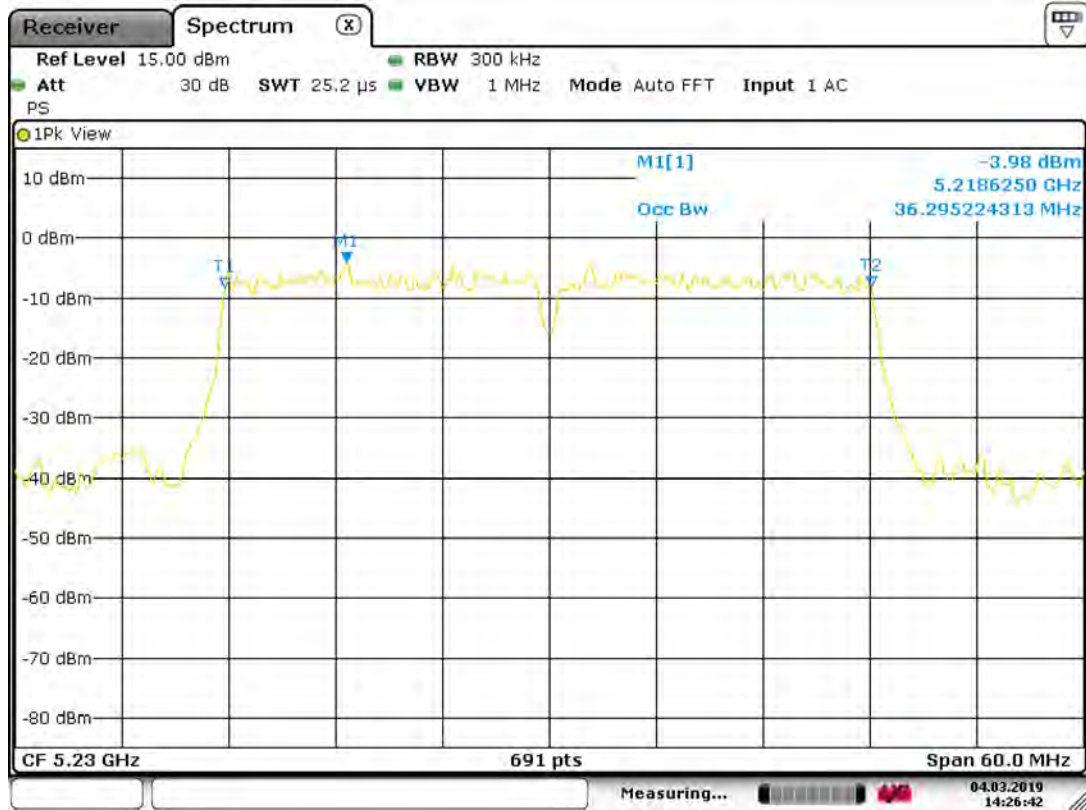
5.1 GHz, N40M: 99% OBW, Low Channel



Date: 4.MAR.2019 14:18:46



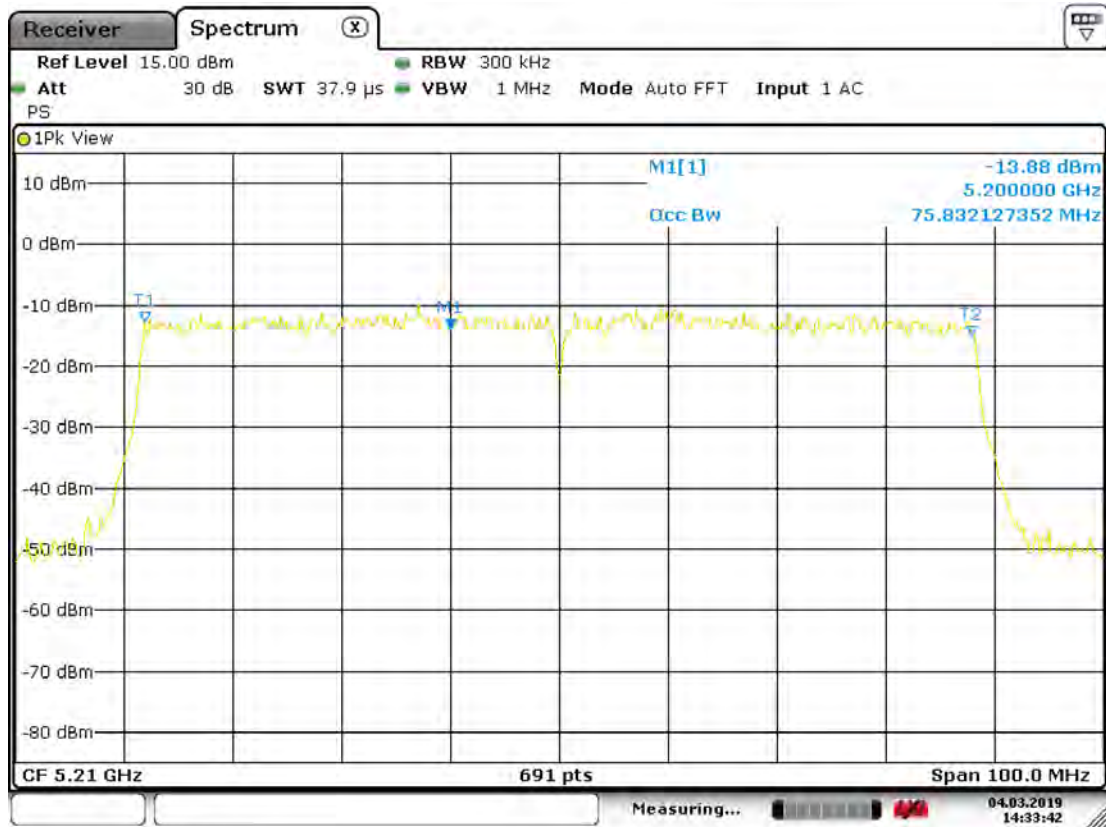
5.1 GHz, N40M: 99% OBW, High Channel



Date: 4.MAR.2019 14:26:42



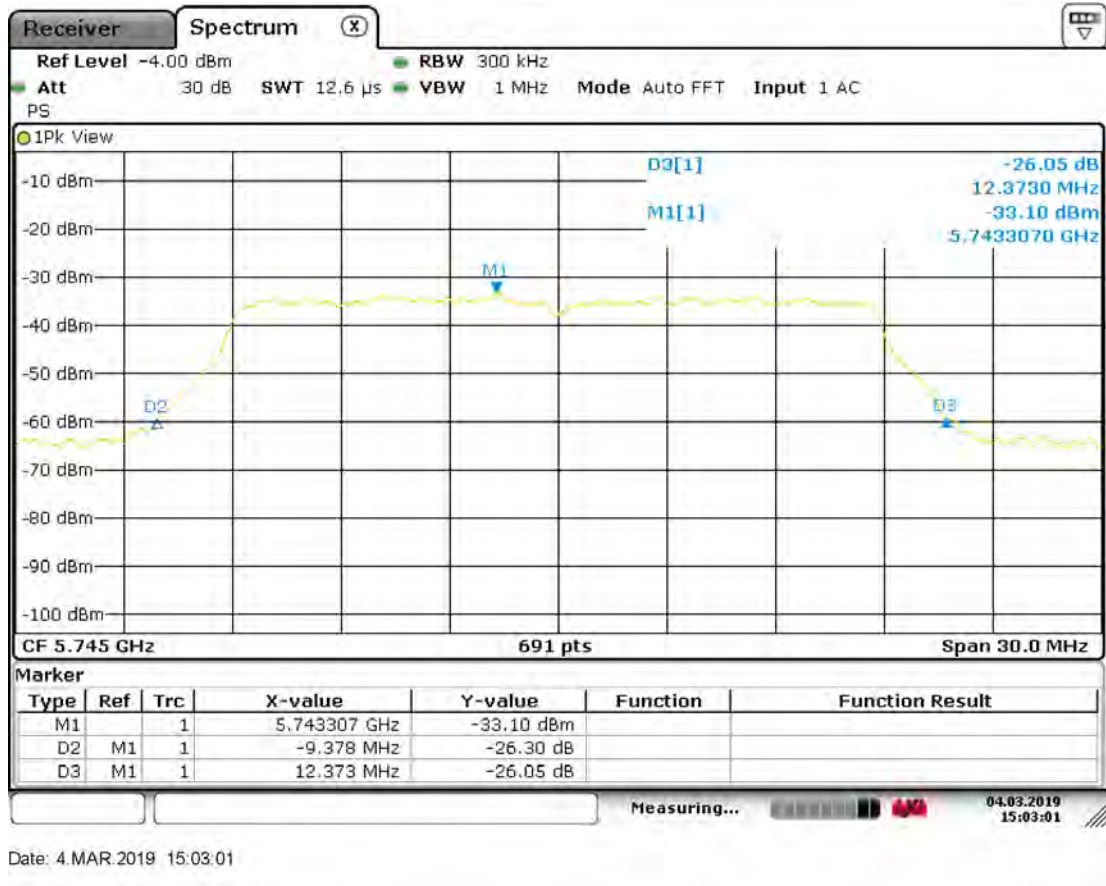
5.1 GHz, AC 80M: 99% OBW



Date: 4.MAR.2019 14:33:43

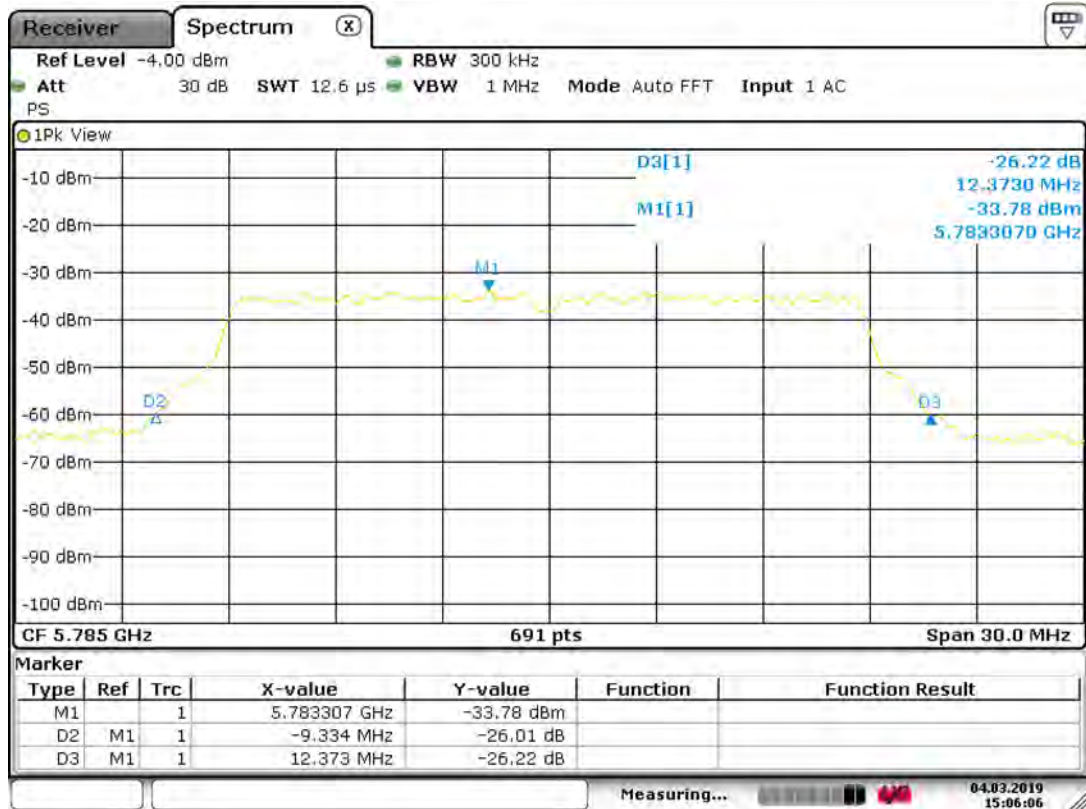


5.7 GHz, N20M: -26dB OBW, Low Channel





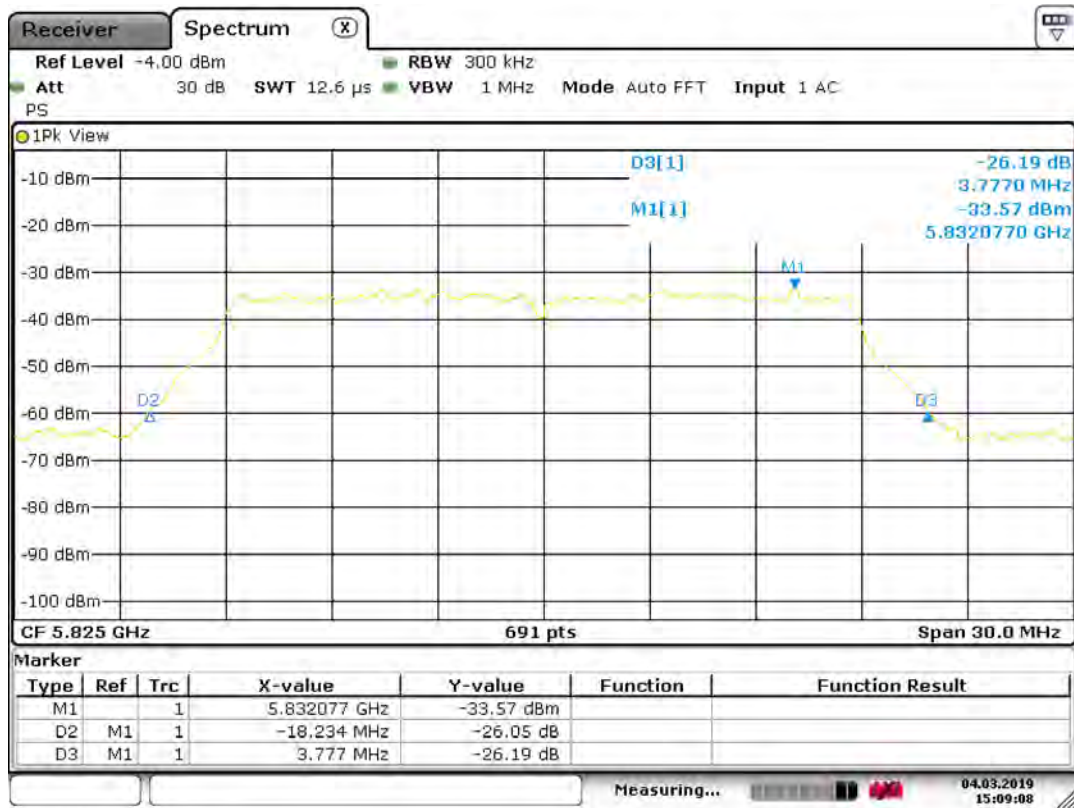
5.7 GHz, N20M: -26dB OBW, Mid Channel



Date: 4.MAR.2019 15:06:06



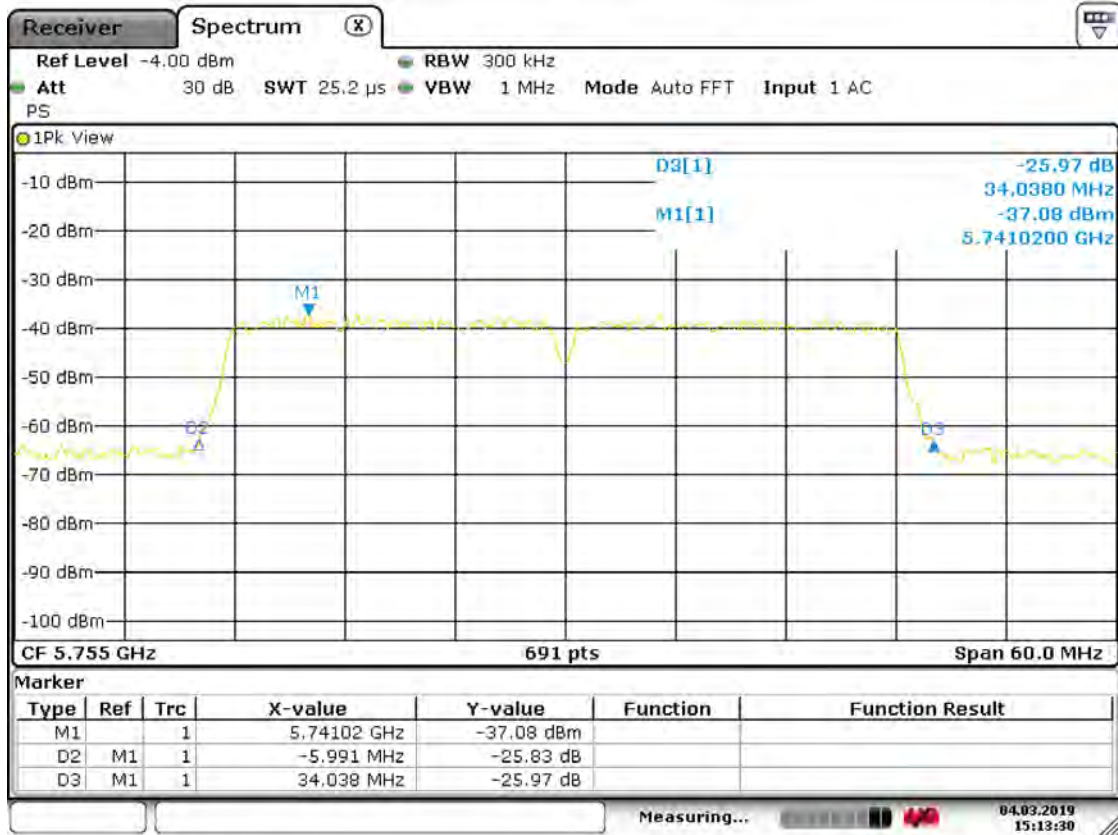
5.7 GHz, N20M: -26dB OBW, High Channel



Date: 4.MAR.2019 15:09:08



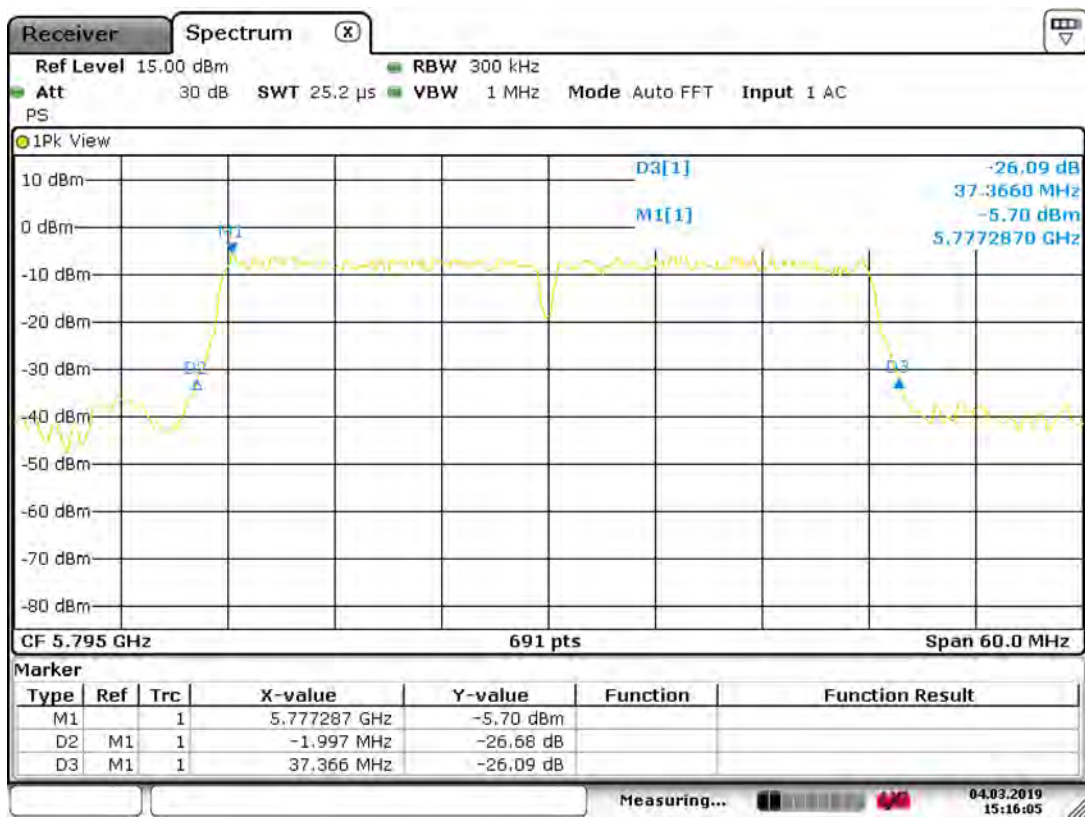
5.7 GHz, N40M: -26dB OBW, Low Channel



Date: 4.MAR.2019 15:13:30



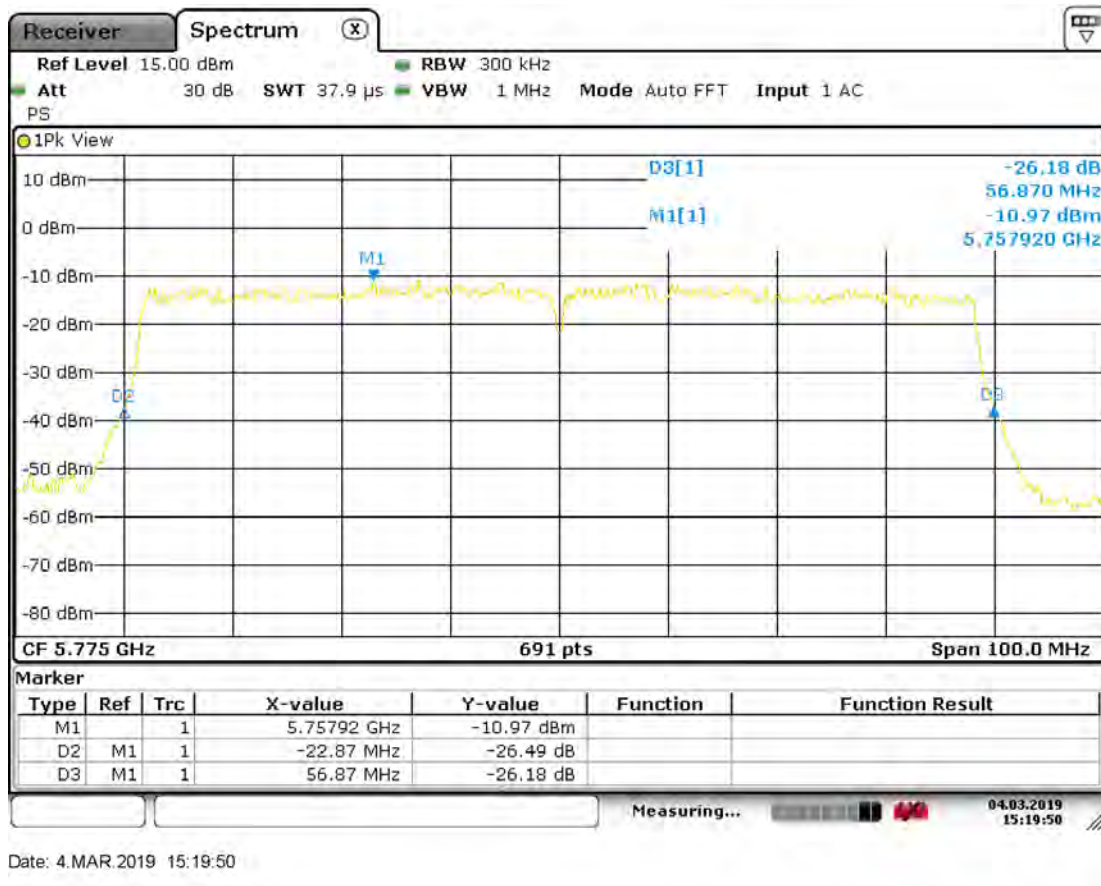
5.7 GHz, N40M: -26dB OBW, High Channel



Date: 4.MAR.2019 15:16:05

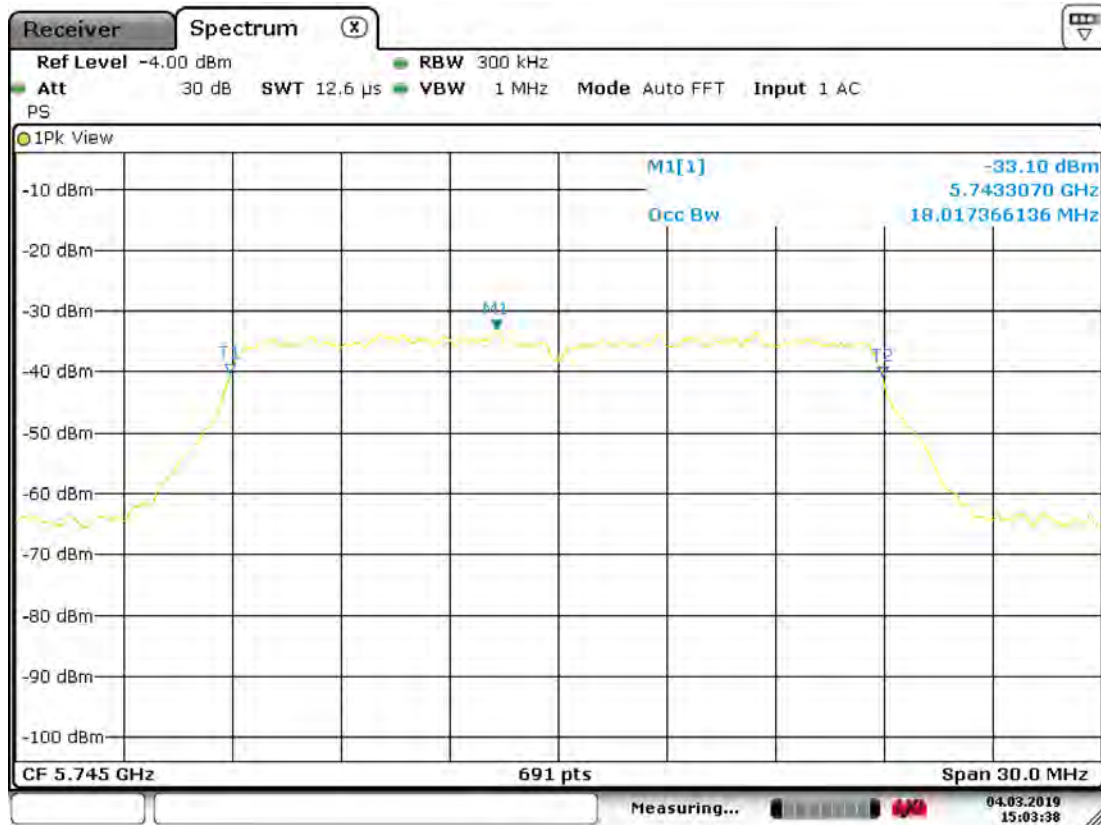


5.7 GHz, AC 80M: -26dB OBW





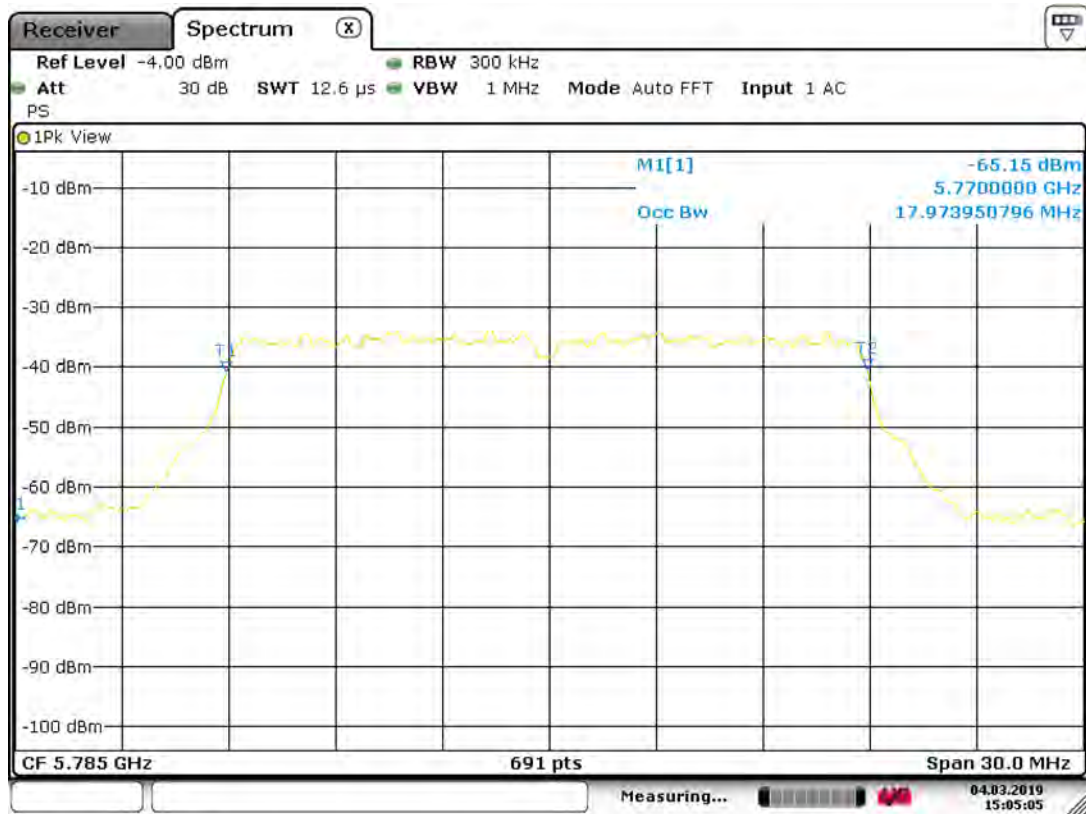
5.7 GHz, N20M: 99% OBW, Low Channel



Date: 4.MAR.2019 15:03:39



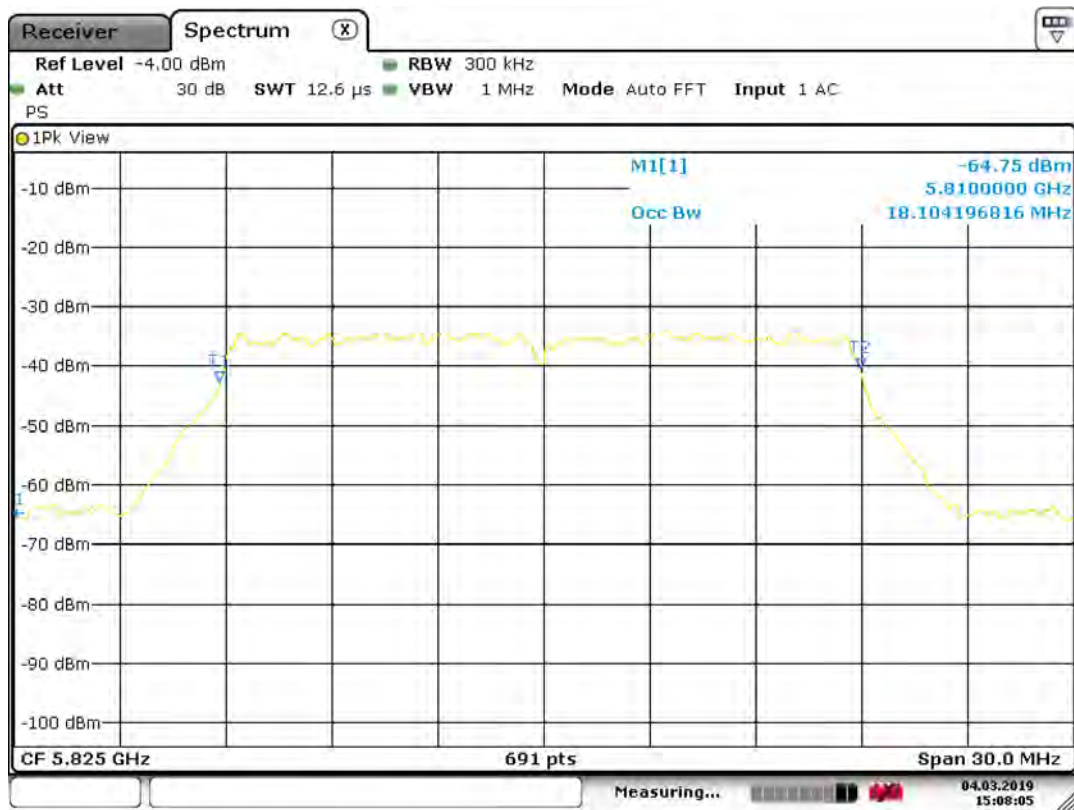
5.7 GHz, N20M: 99% OBW, Mid Channel



Date: 4.MAR.2019 15:05:06



5.7 GHz, N20M: 99% OBW, High Channel



Date: 4.MAR.2019 15:08:05



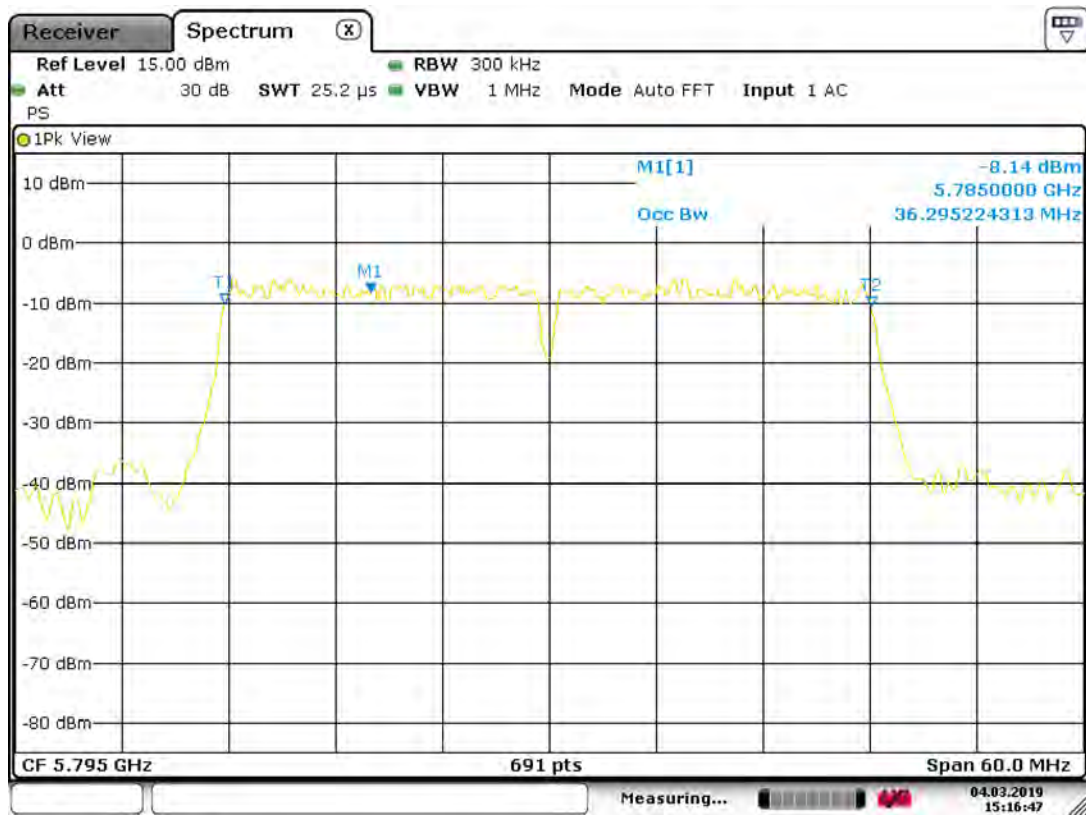
5.7 GHz, N40M: 99% OBW, Low Channel



Date: 4.MAR.2019 15:12:34



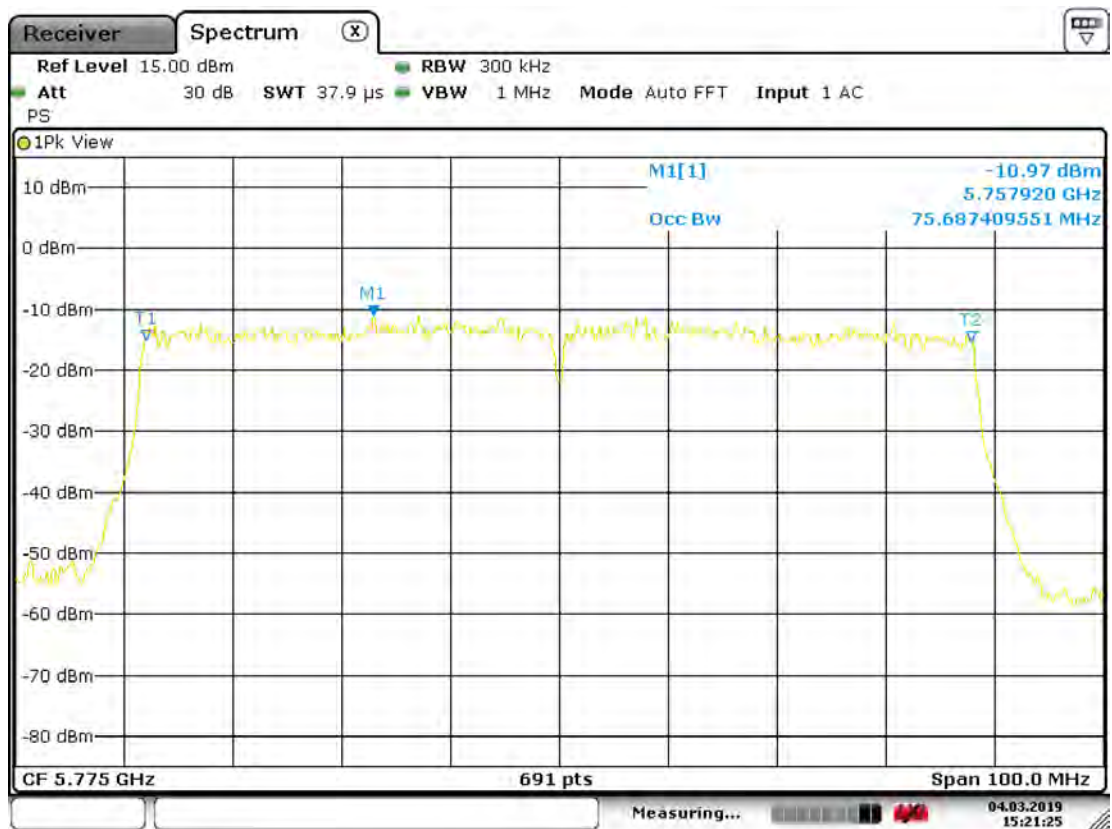
5.7 GHz, N40M: 99% OBW, High Channel



Date: 4.MAR.2019 15:16:48



5.7 GHz, AC 80M: 99% OBW



Date: 4.MAR.2019 15:21:25



8 OUTPUT POWER

The EUT antenna port was fitted with an SMA connector and directly connected to the input of the receiver. The peak power output was measured.

8.1 Requirements:

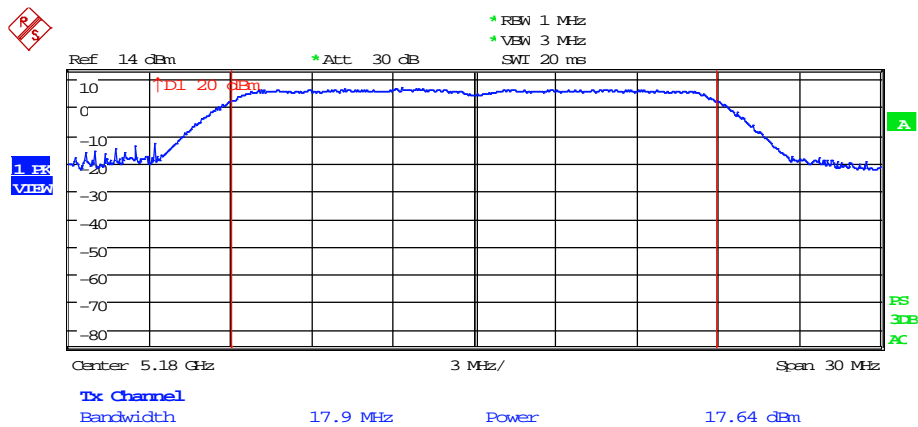
For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW (24 dBm) provided the maximum antenna gain does not exceed 6 dBi.

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W (30 dBm).

8.2 Output Power Test Data

Test Date:	Feb. 20, 2019	Test Engineer:	J. Chiller
Standards:	CFR 47 Part 15.407(a)(1,3); KDB789033	Air Temperature:	21.9°C
		Relative Humidity:	39%

5.1 GHz, UNII1, N20M, Low Channel



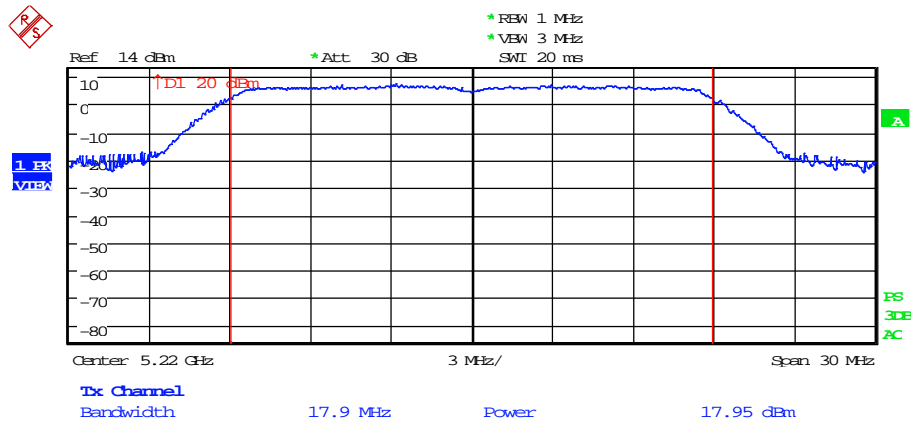
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Order Number: F2P20632A

Applicant: Voice of God Recordings Inc.
FCC ID: 2ASB8-AGAPAO

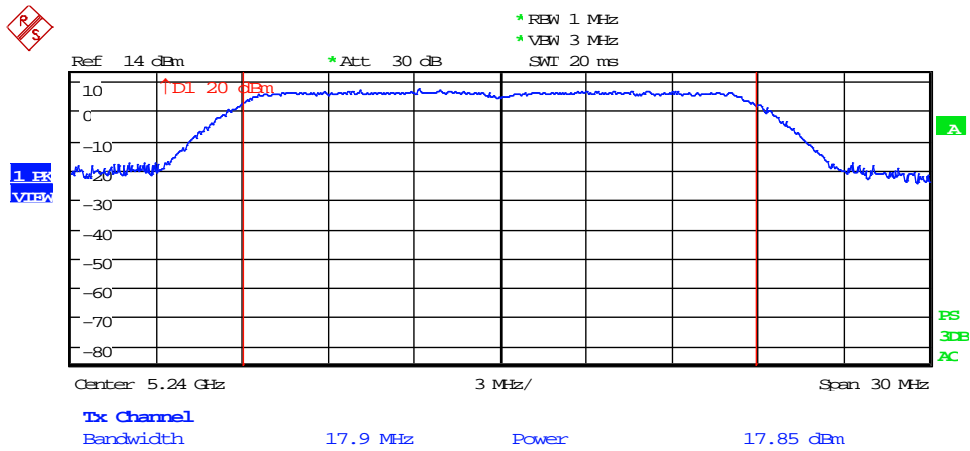
5.1 GHz, UNII1, N20M, Mid Channel



Date: 20.FEB.2019 13:53:15



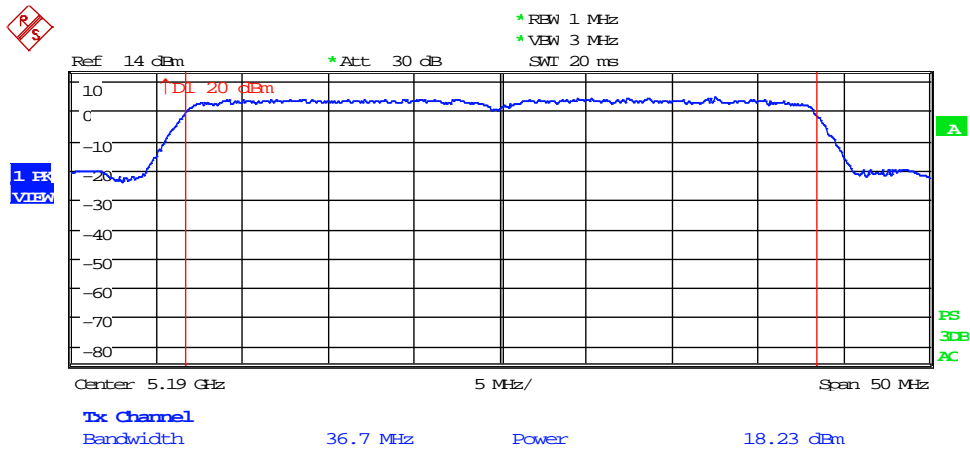
5.1 GHz, UNII1, N20M, High Channel



Date: 20.FEB.2019 13:55:44



5.1 GHz, UNII1, N40M, Low Channel



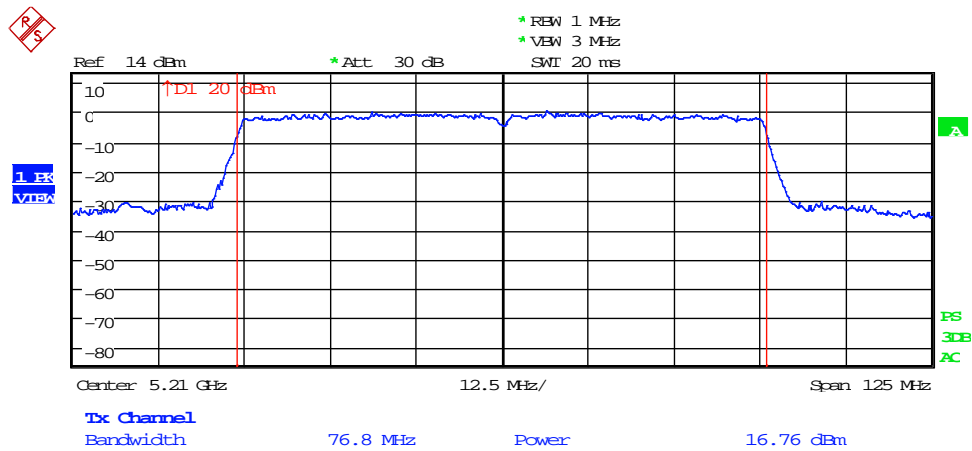
Date: 20.FEB.2019 14:24:41



Order Number: F2P20632A

Applicant: Voice of God Recordings Inc.
FCC ID: 2ASB8-AGAPAO

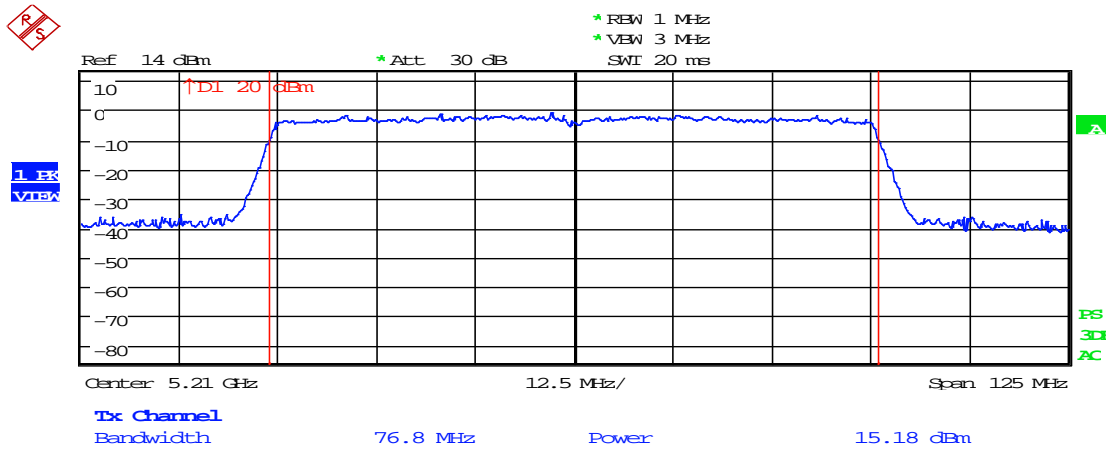
5.1 GHz, UNII1, MCS8, AC 80



Date: 20.FEB.2019 15:27:17



5.1 GHz, UNII1, MCS9, AC 80



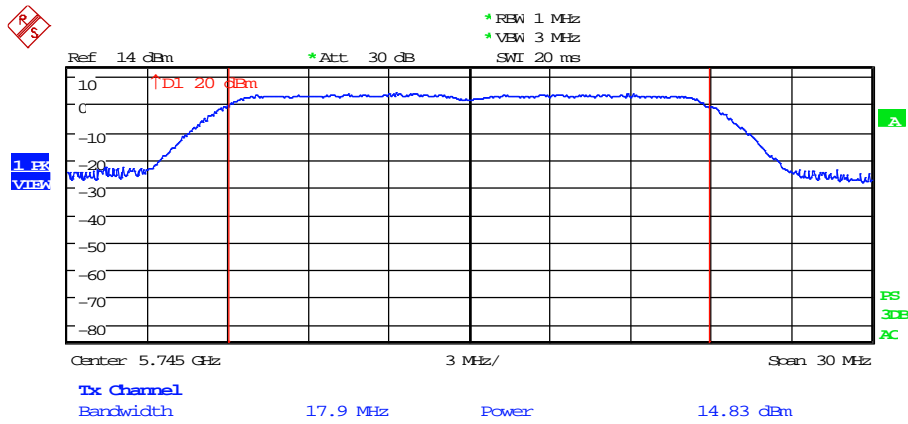
Date: 20.FEB.2019 15:35:28



Order Number: F2P20632A

Applicant: Voice of God Recordings Inc.
FCC ID: 2ASB8-AGAPAO

5.7 GHz, UNII3, N20, Low Channel



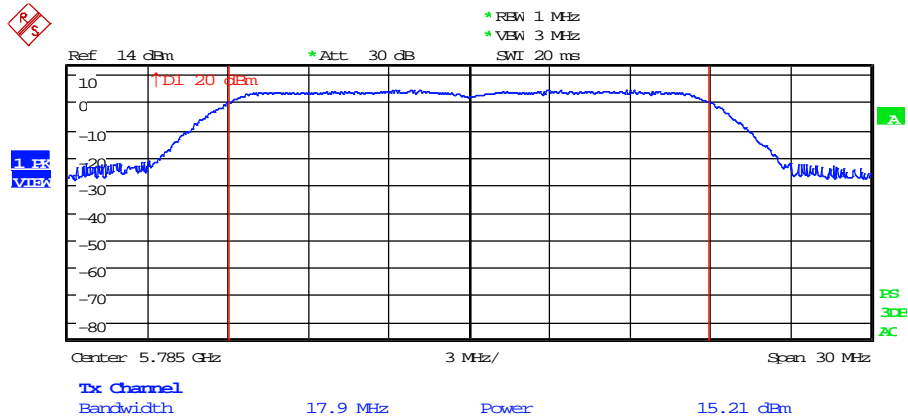
Date: 20.FEB.2019 13:58:31



Order Number: F2P20632A

Applicant: Voice of God Recordings Inc.
FCC ID: 2ASB8-AGAPAO

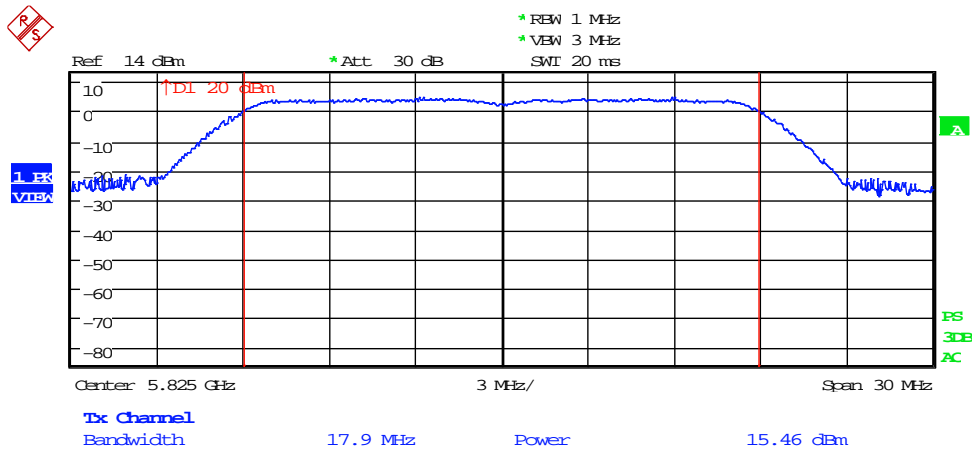
5.7 GHz, UNII3, N20, Mid Channel



Date: 20.FEB.2019 14:01:02



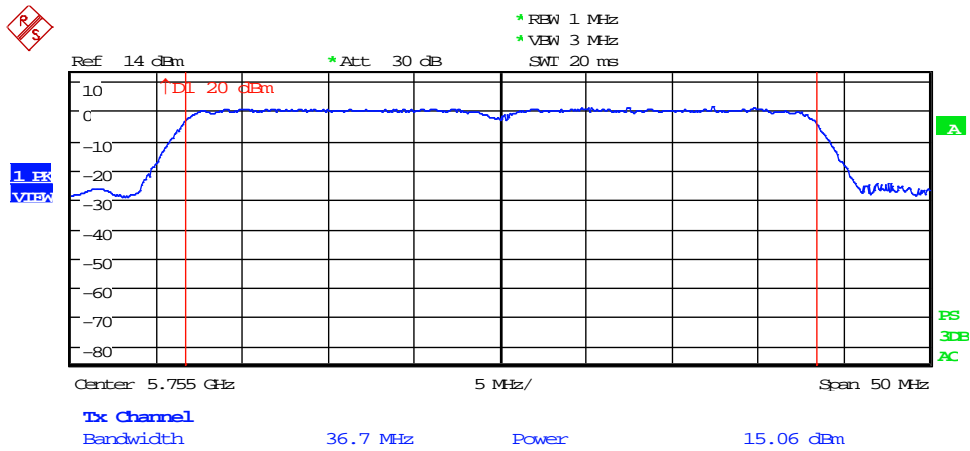
5.7 GHz, UNII3, N20, High Channel



Date: 20.FEB.2019 14:03:09



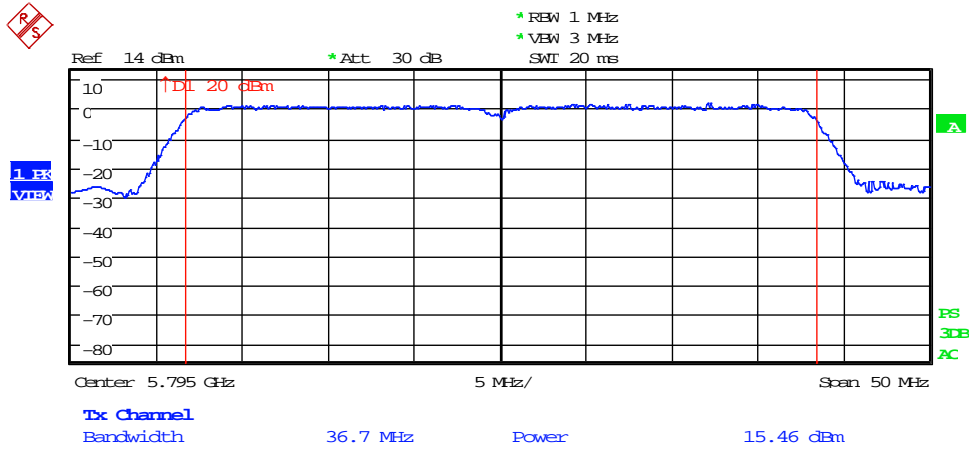
5.7 GHz, UNII3, N40, Low Channel



Date: 20.FEB.2019 14:30:25



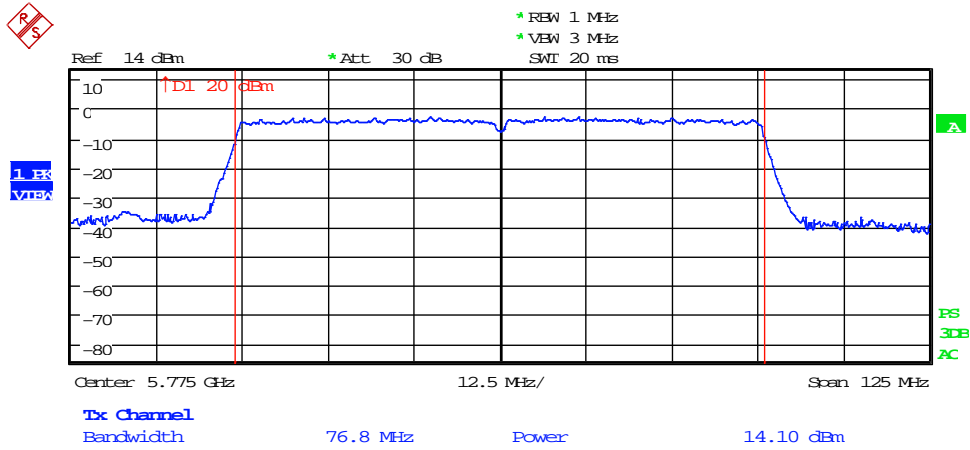
5.7 GHz, UNII3, N40, High Channel



Date: 20.FEB.2019 14:32:18



5.7 GHz, UNII3, MCS8, AC 80



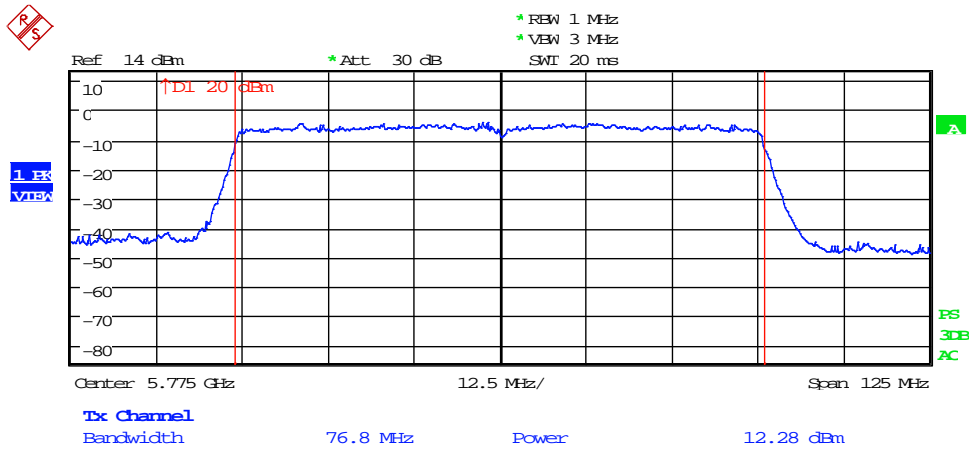
Date: 20.FEB.2019 15:29:31



Order Number: F2P20632A

Applicant: Voice of God Recordings Inc.
FCC ID: 2ASB8-AGAPAO

5.7 GHz, UNII3, MCS9, AC 80



Date: 20.FEB.2019 15:34:12



9 PEAK POWER SPECTRAL DENSITY (PSD)

Peak power spectral density measurements were performed.

9.1 Requirements:

For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.

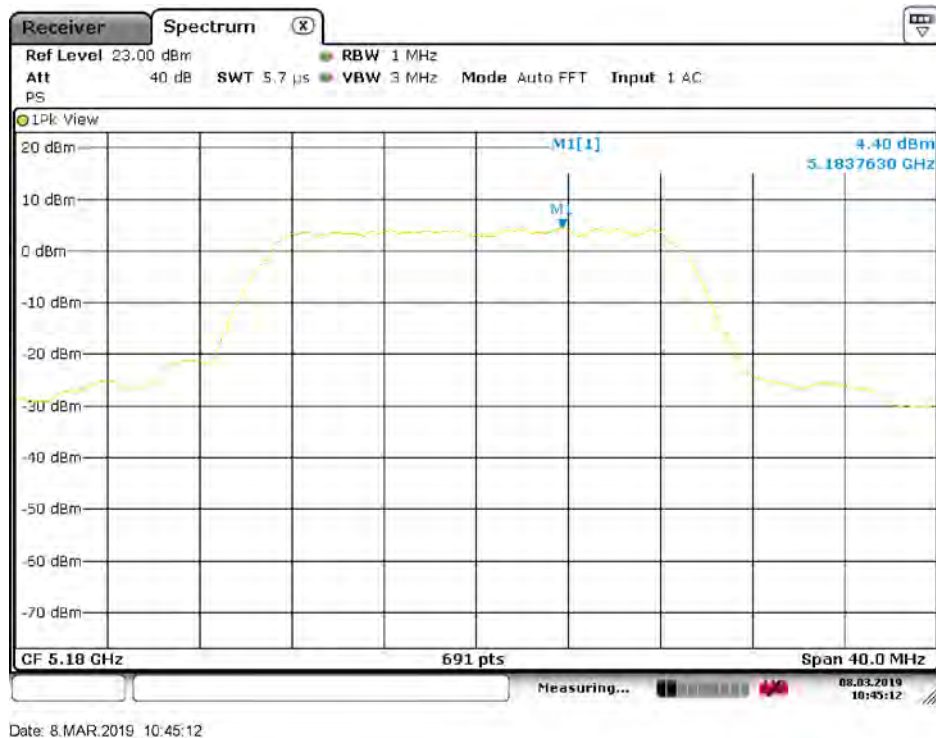
For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.



9.2 Peak Power Spectral Density Test Data

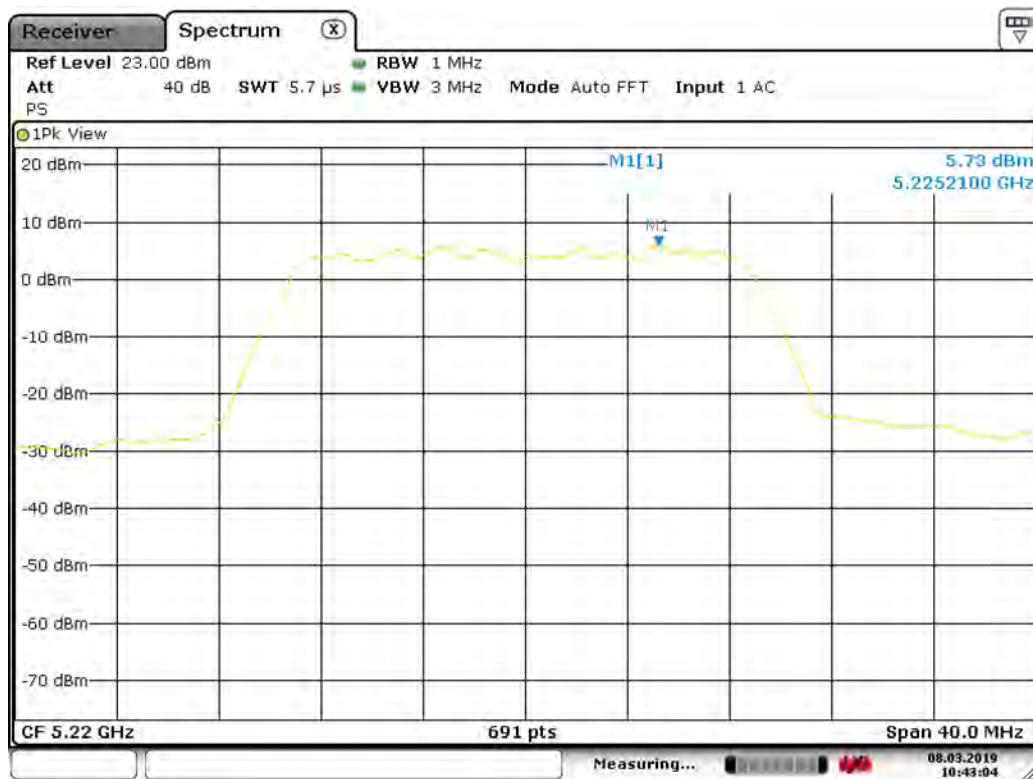
Test Date(s):	Mar. 8, 2019	Test Engineer:	J. Chiller
Standards:	CFR 47 Part 15.407(a)(1,3); KDB789033	Air Temperature:	22.1°C
		Relative Humidity:	35%

5.1 GHz, UNII1, N20M: Low Channel





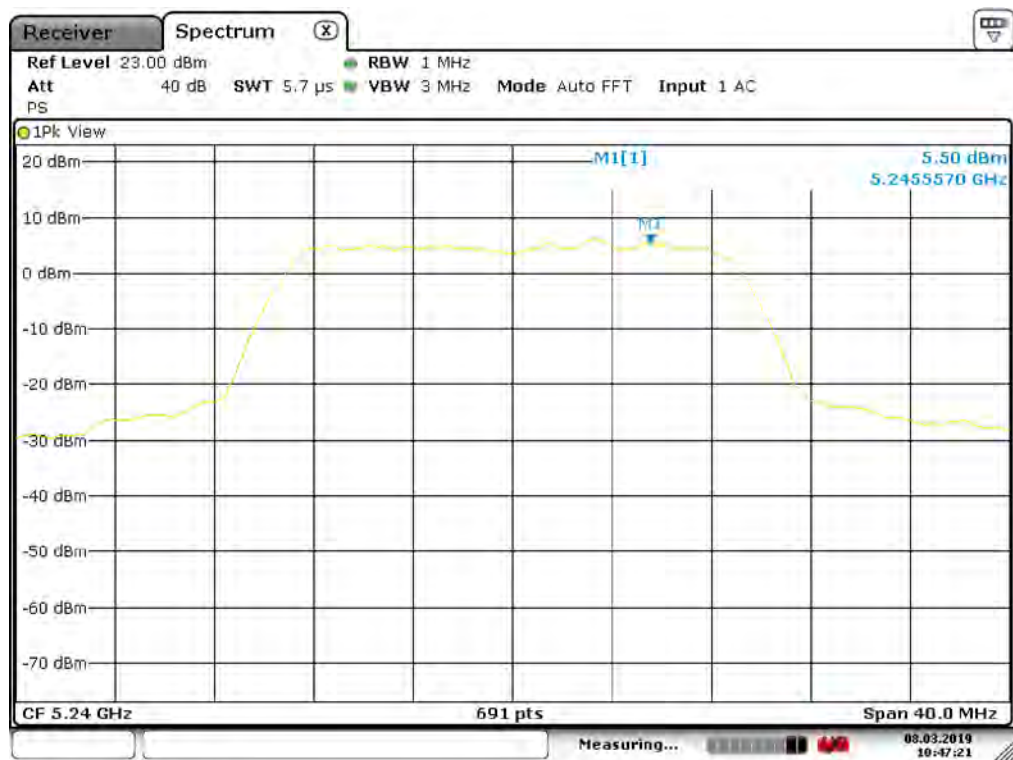
5.1 GHz, UNII1, N20M: Mid Channel



Date: 8.MAR.2019 10:43:04



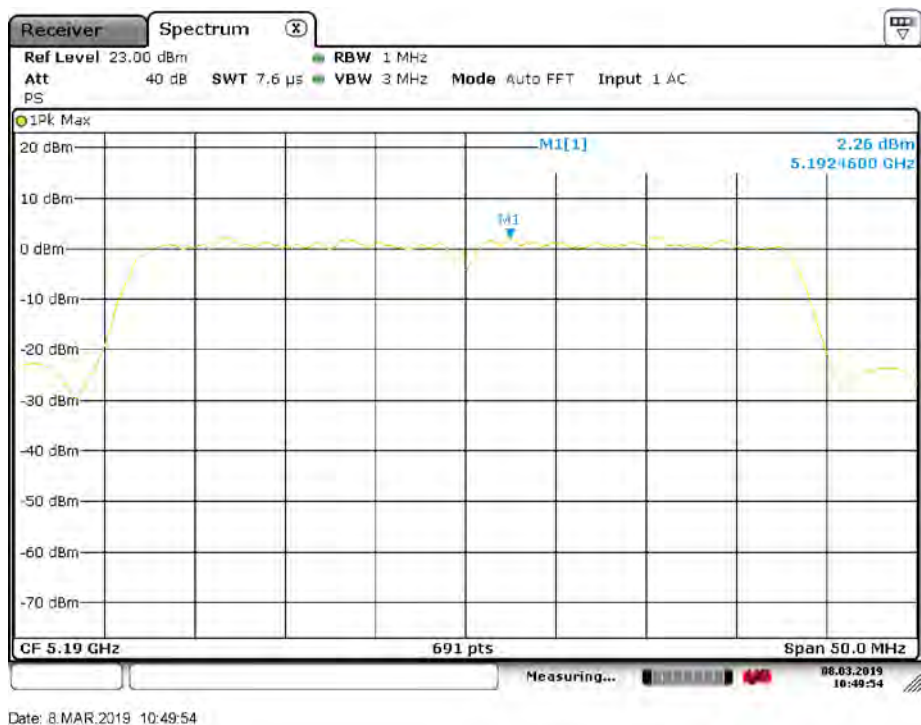
5.1 GHz, UNII1, N20M: High Channel



Date: 8 MAR 2019 10:47:21

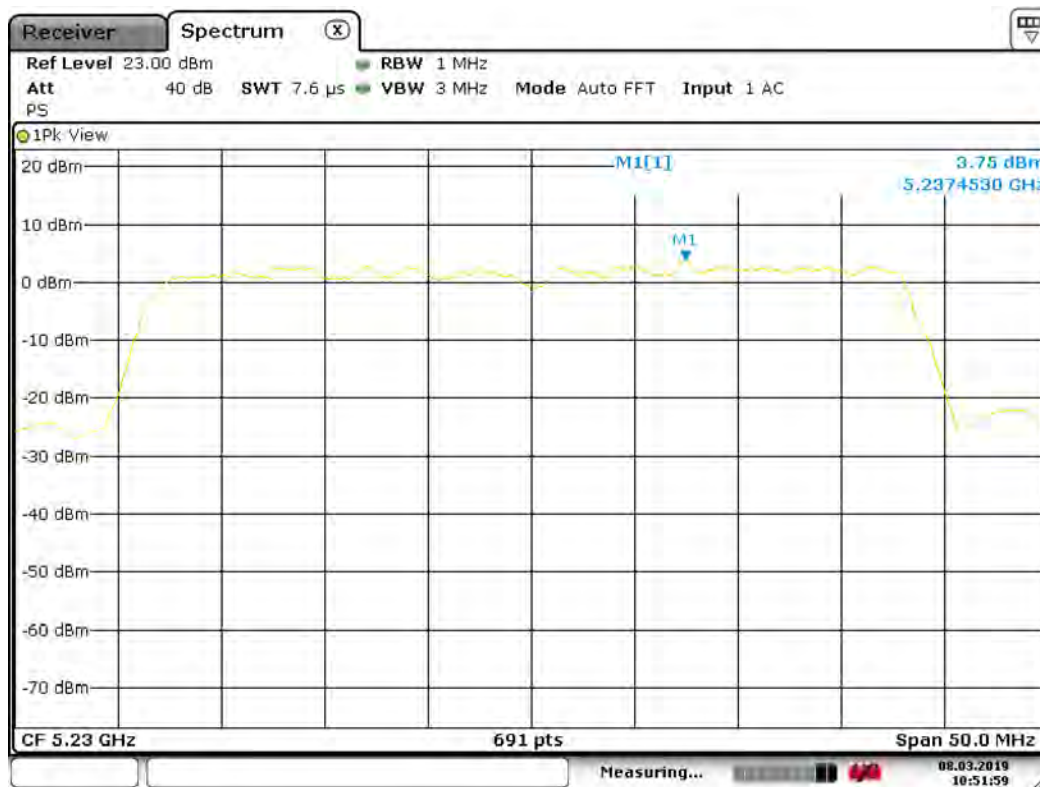


5.1 GHz, UNII1, N40M: Low Channel





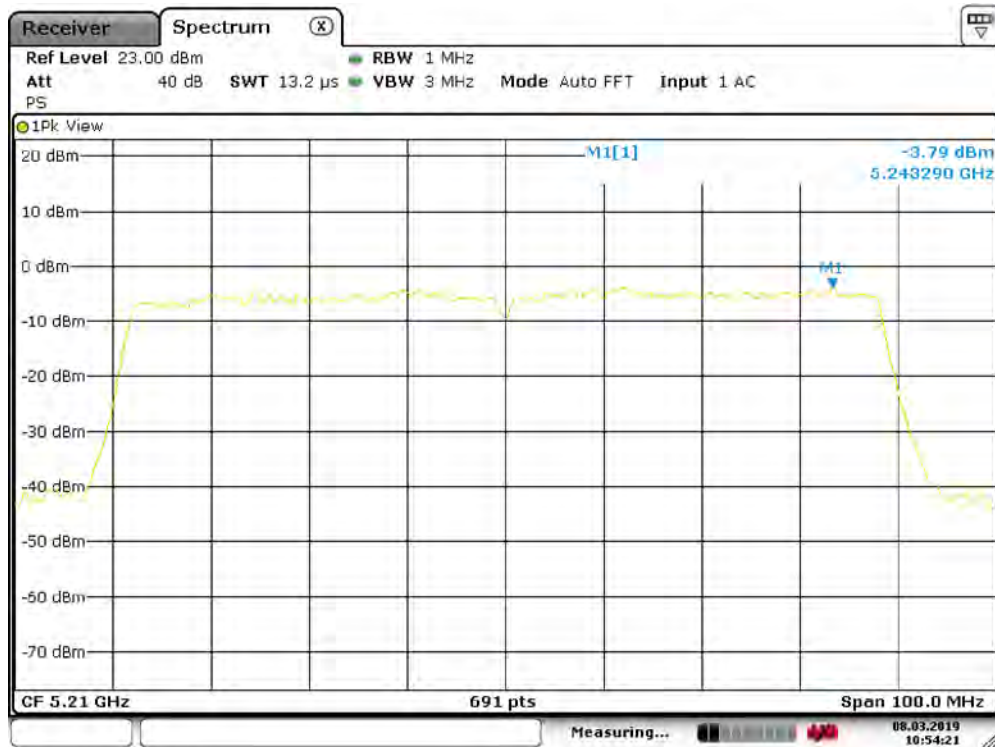
5.1 GHz, UNII1, N40M: High Channel



Date: 8.MAR.2019 10:51:59



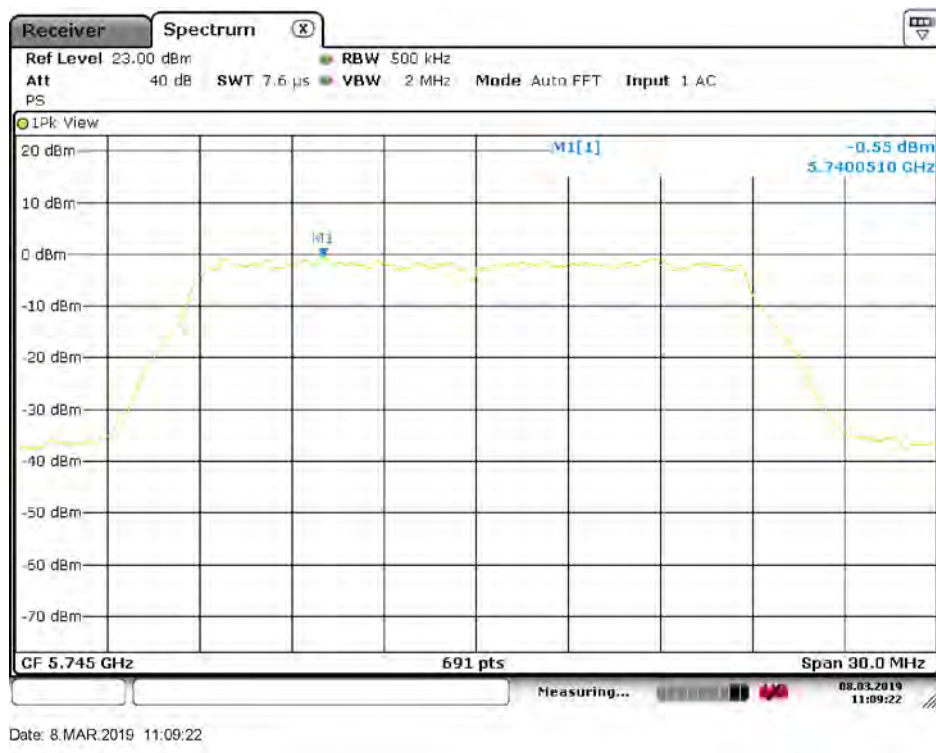
5.1 GHz, UNII1, AC 80M



Date: 8.MAR.2019 10:54:21

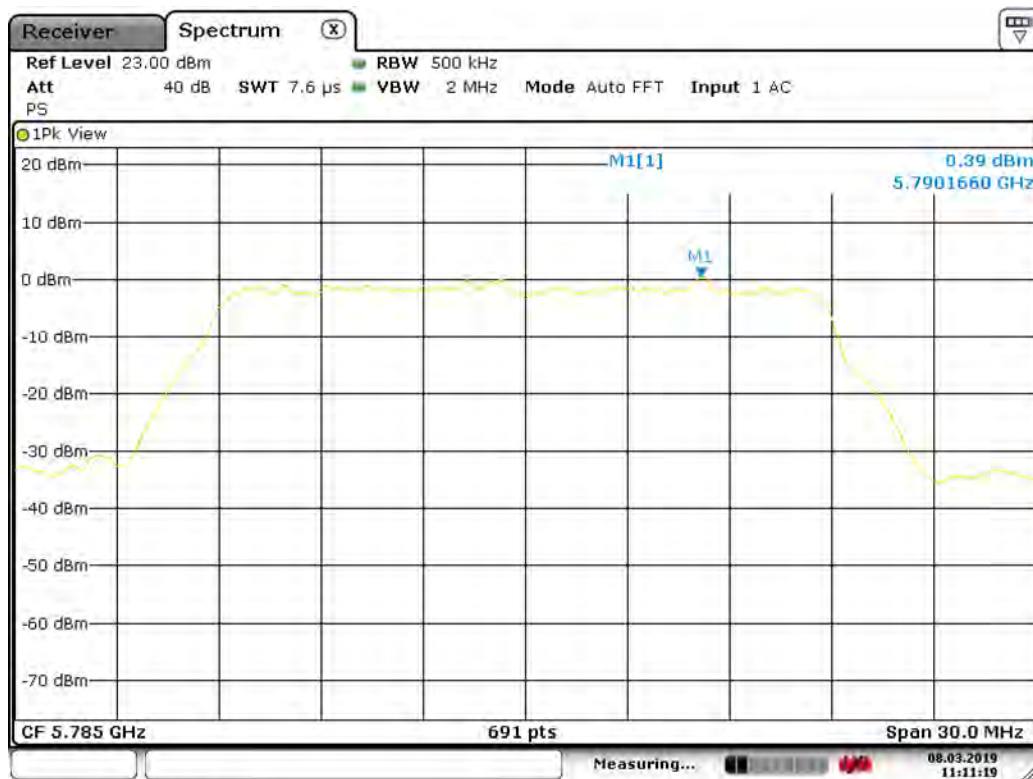


5.7 GHz, UNII3, N20: Low Channel





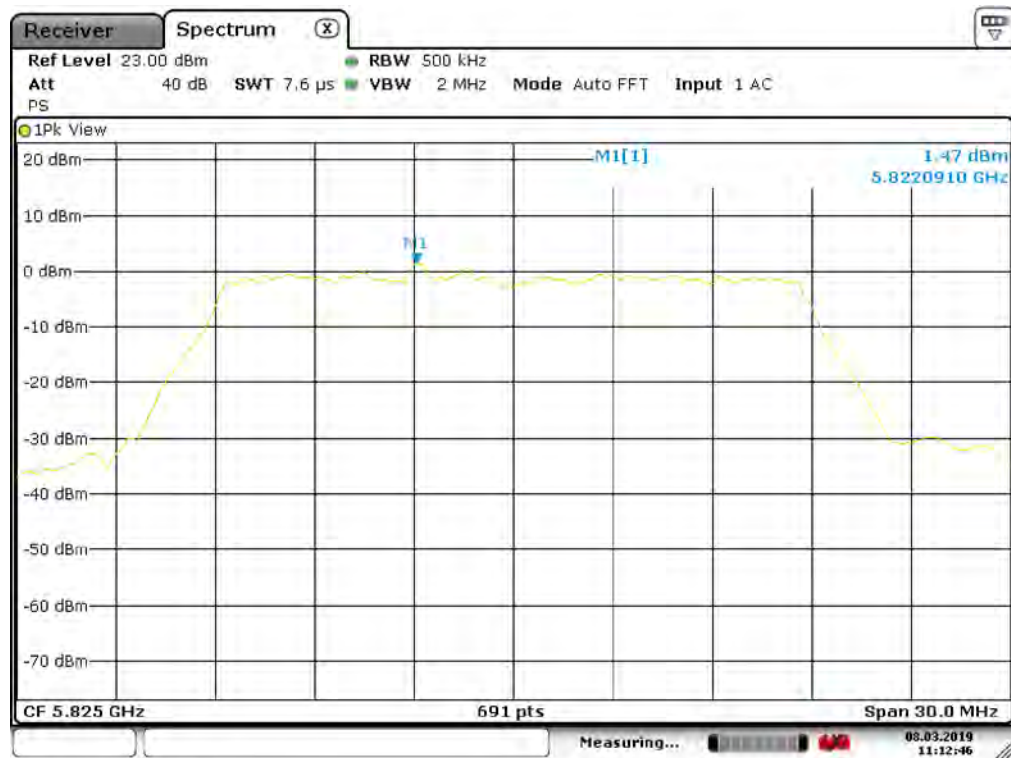
5.7 GHz, UNII3, N20: Mid Channel



Date: 8.MAR.2019 11:11:19



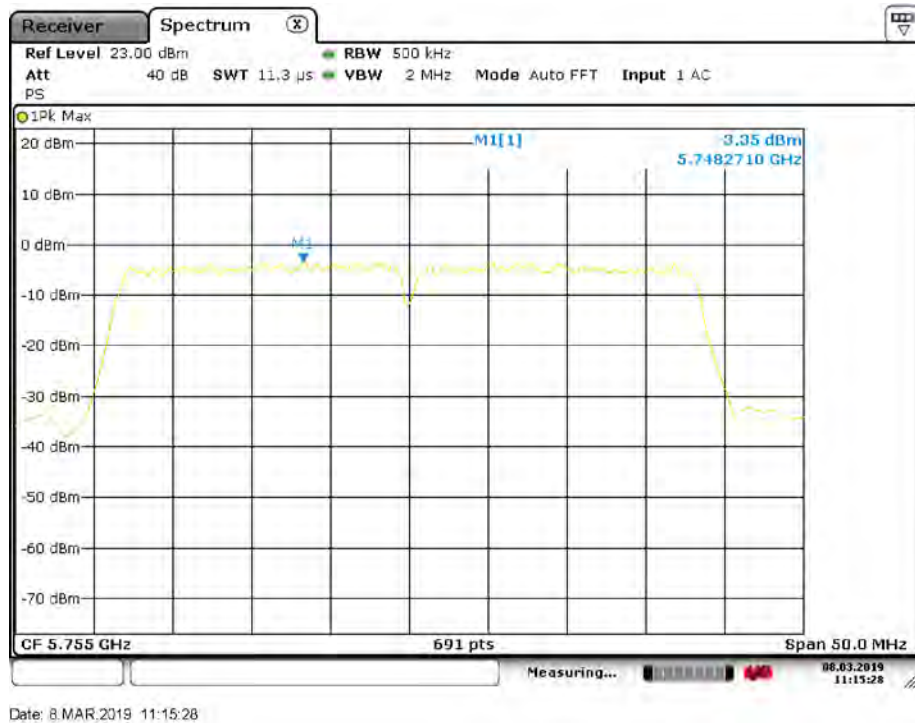
5.7 GHz, UNII3, N20: High Channel



Date: 8.MAR.2019 11:12:46

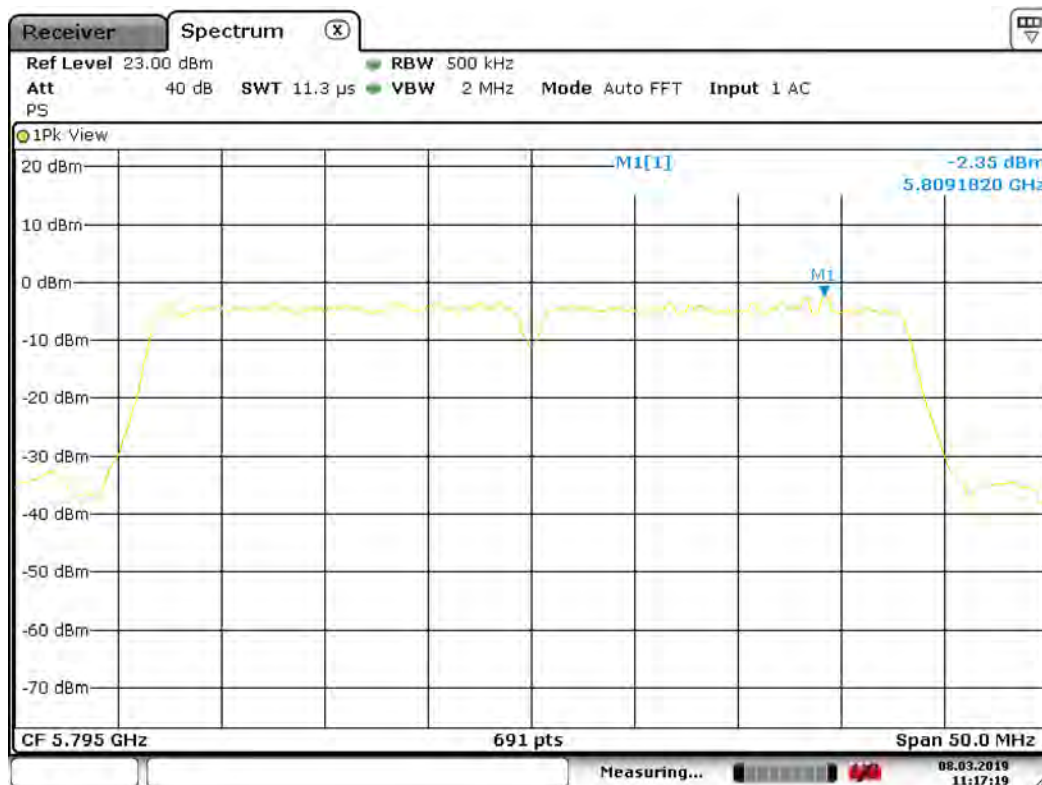


5.7 GHz, UNII3, N40: Low Channel





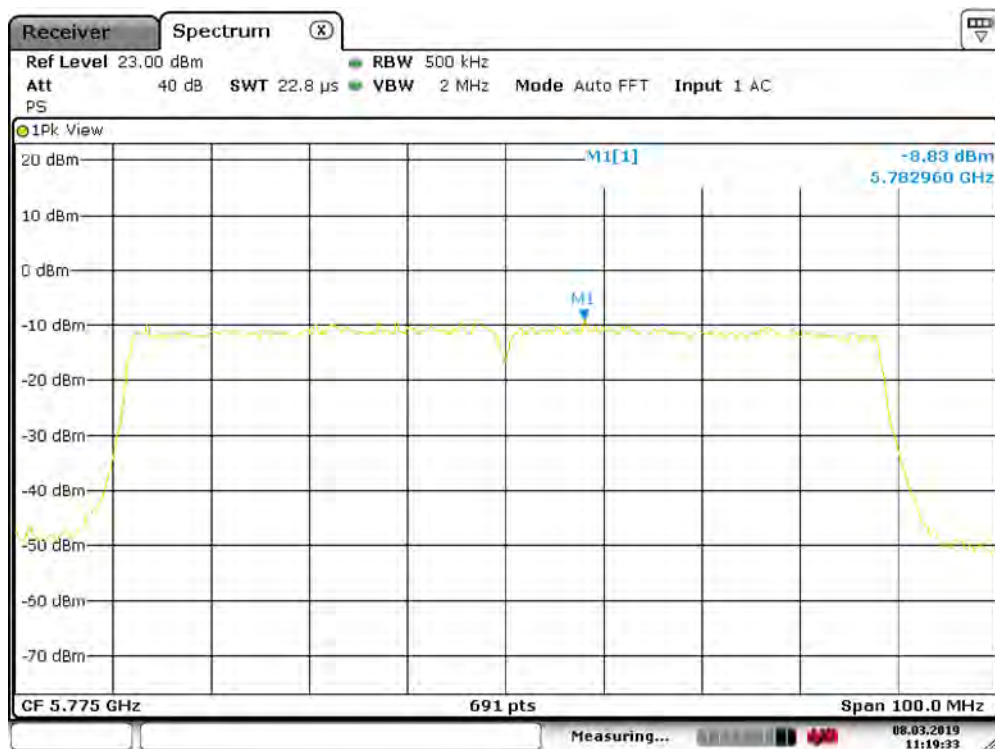
5.7 GHz, UNII3, N40: High Channel



Date: 8.MAR.2019 11:17:19



5.7 GHz, UNII3, AC 80



Date: 8.MAR.2019 11:19:34



10 RADIATED SPURIOUS EMISSION

The EUT antenna port was fitted with its integral/internal chip antenna. Radiated emissions were measured in a Semi-Anechoic Chamber. All emissions generated that fall in the restricted bands per FCC Part 15.205 were examined.

10.1 Requirements:

All emissions that fall in the restricted bands defined in FCC Part 15.205 shall not exceed the maximum field strength listed in FCC Part 15.209(a).

All other undesirable emission that do not fall under the provisions of Part 15.205, shall meet the following limits:

(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(4) For transmitters operating in the 5.725-5.85 GHz band: All emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of -17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of -27 dBm/MHz."

NOTE: Per KDB 789033 D02 General UNII Test Procedures New Rules v01, the requirements of 15.407(b)(1) & 15.407(b)(4) are met due to all of the out of band peak and average emissions being below the limits of 15.209.



10.2 Radiated Spurious Emission Test Data

Test Date(s):	Feb. 28, 2019; Mar. 5, 2019	Test Engineer:	J. Chiller
Standards:	CFR 47 Part 15.407; Part 15.209 / KDB789033	Air Temperature:	22.1°C
		Relative Humidity:	35%

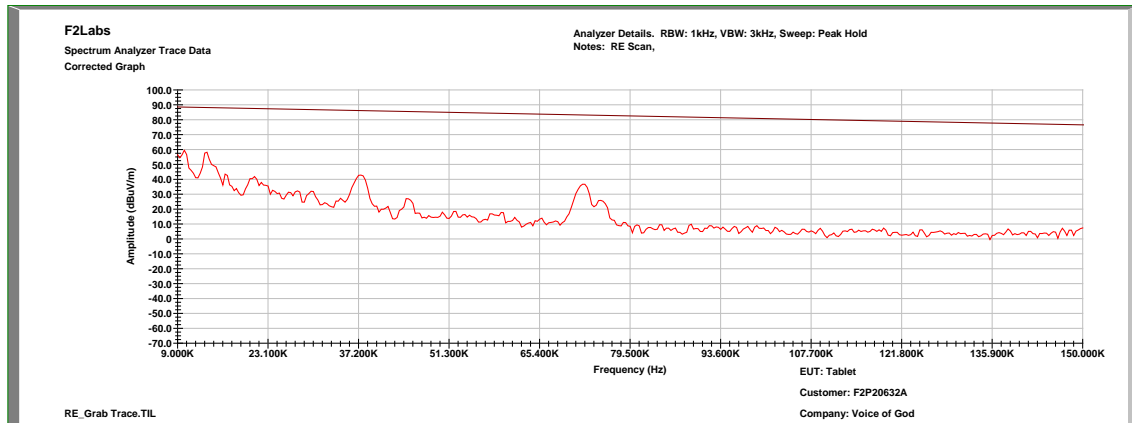
Notes: Plots are peak, max hold prescan data included only to determine what frequencies to investigate and measure. The EUT was initially placed in a semi-anechoic chamber, and rotated in all three orthogonal positions to maximize the emissions. The orthogonal position that showed the highest emissions was used. Characterization measurements were then performed to determine at which frequencies significant emissions occurred. All modes and modulations were scanned and the worst-case mode was and the worst-case channel were then tested for Radiated Spurious Emissions. Worst-case data is presented on the following pages.

The equipment was fully exercised with all cabling attached to the EUT and was positioned in a semi-anechoic chamber for maximum emissions. While the equipment was energized, the receiving antenna was scanned from 1.0 meter to 4.0 meters in both vertical and horizontal polarities while the turntable was adjusted 360 degrees to determine the maximum field strength. The tables of measured results can be found below.

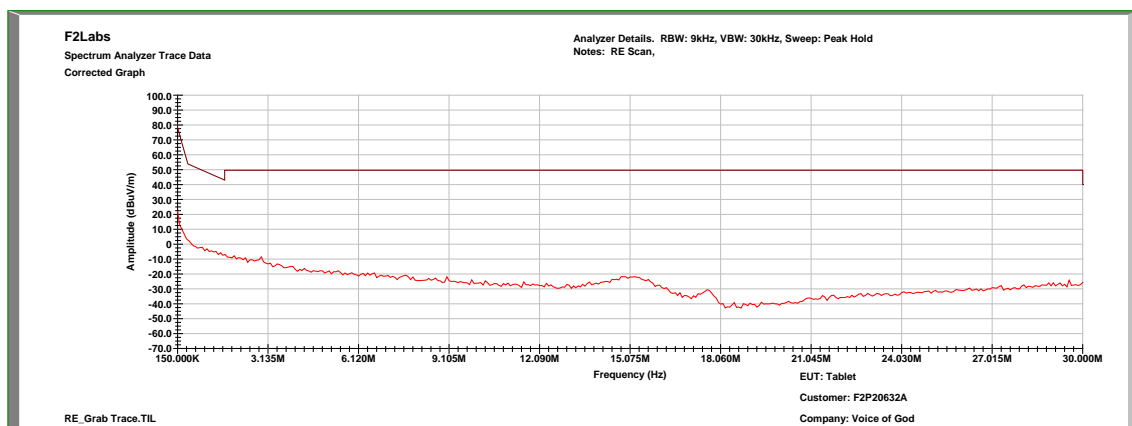
In the following plots, emissions to be found by the EUT were measured and listed in tables. The black lines are active scans while the green lines are the max peak scan of the unit. The plots are for reference only and the limit lines are not actual limit lines but merely a guide.



5.1 GHz, UNII1, MCS7, Radiated Spurious Emissions: Low Channel, 9k to 150k

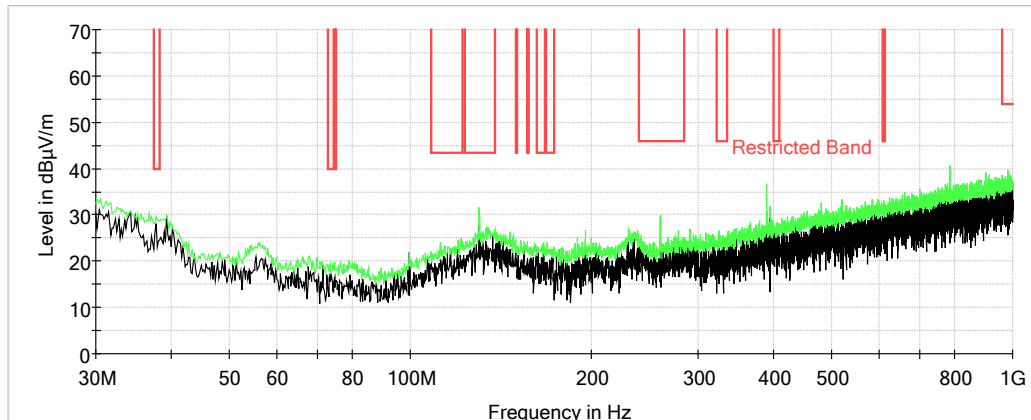


5.1 GHz, UNII1, MCS7, Radiated Spurious Emissions: Low Channel, 150k to 30 MHz

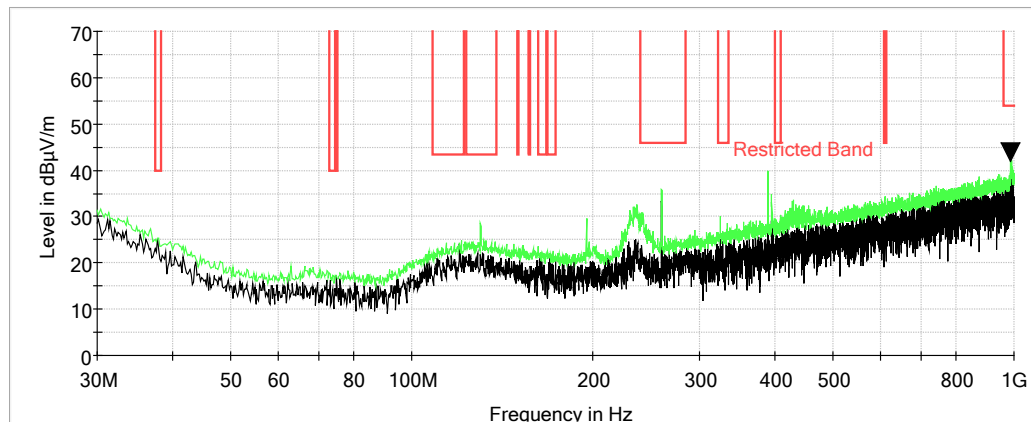




**5.1 GHz, UNII1, MCS7, Radiated Spurious Emissions, Restricted Bands:
Low Channel, 30 MHz to 1 GHz, Vertical**



**5.1 GHz, UNII1, MCS7, Radiated Spurious Emissions, Restricted Bands:
Low Channel, 30 MHz to 1 GHz, Horizontal**

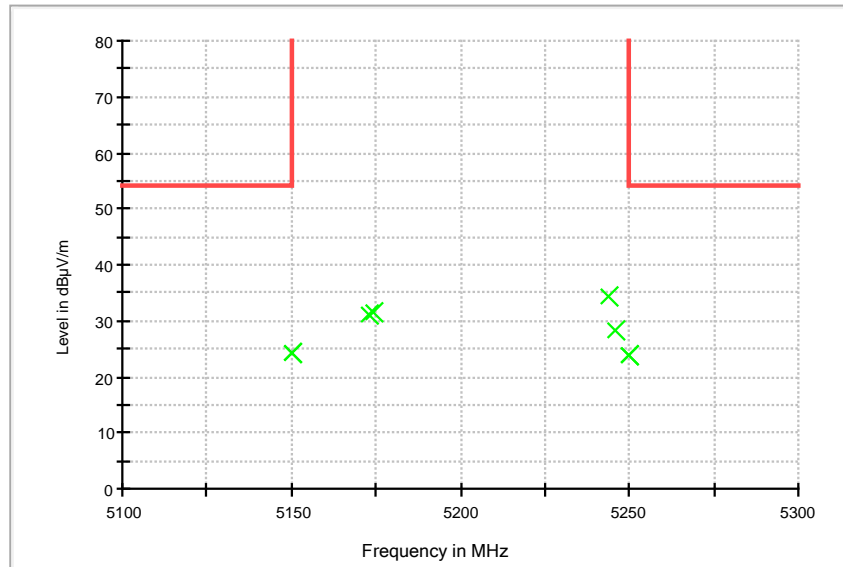


Note: There were no emissions from the EUT in any restricted band within 20dB of the limit from 9kHz to 1GHz, and no peak emissions were within 10dB of the Quasi-Peak limit.



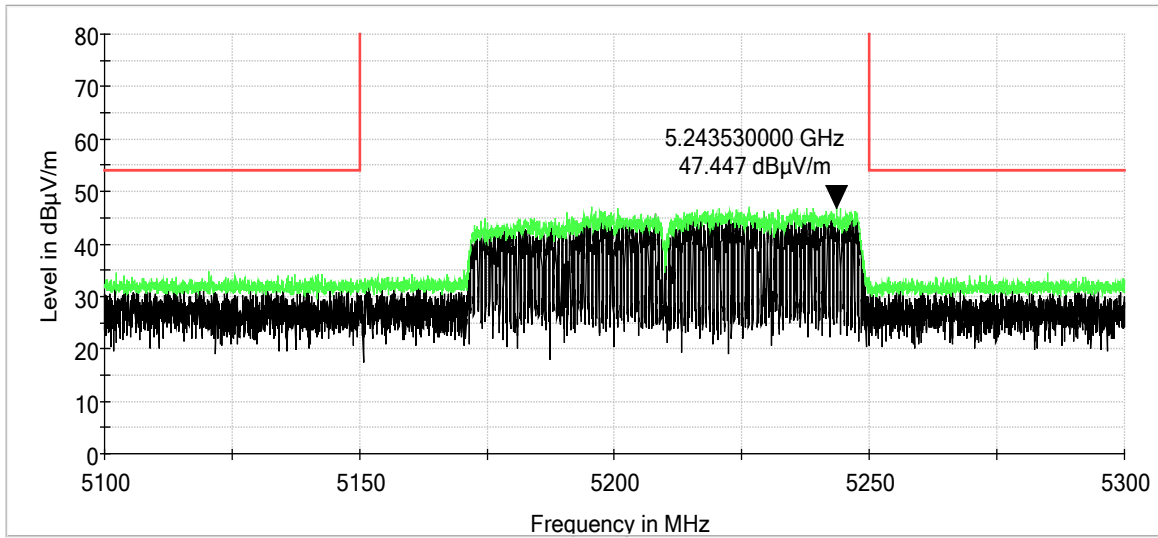
Band Edge Measurements – 5.1 GHz, UNII1, MCS7

Frequency (MHz)	Antenna Polarization	Antenna Height (cm)	Azimuth (degrees)	Reading (dBμV)	Correction Factors (dB)	Emission (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5150.000000	V	150.00	238.00	27.6	-3.2	24.40	54.0	-29.6
5150.000000	H	150.00	270.00	27.6	-3.2	24.40	54.0	-29.6
5173.000000	H	150.00	270.00	34.4	-3.2	31.20	94.0	-62.8
5174.000000	V	150.00	238.00	34.9	-3.2	31.70	94.0	-62.3
5244.000000	V	150.00	238.00	37.6	-3.2	34.40	94.0	-59.6
5246.000000	H	150.00	240.00	31.5	-3.2	28.30	94.0	-65.7
5250.000000	V	150.00	238.00	27.4	-3.5	23.90	54.0	-30.1
5250.000000	H	150.00	240.00	27.4	-3.5	23.90	54.0	-30.1



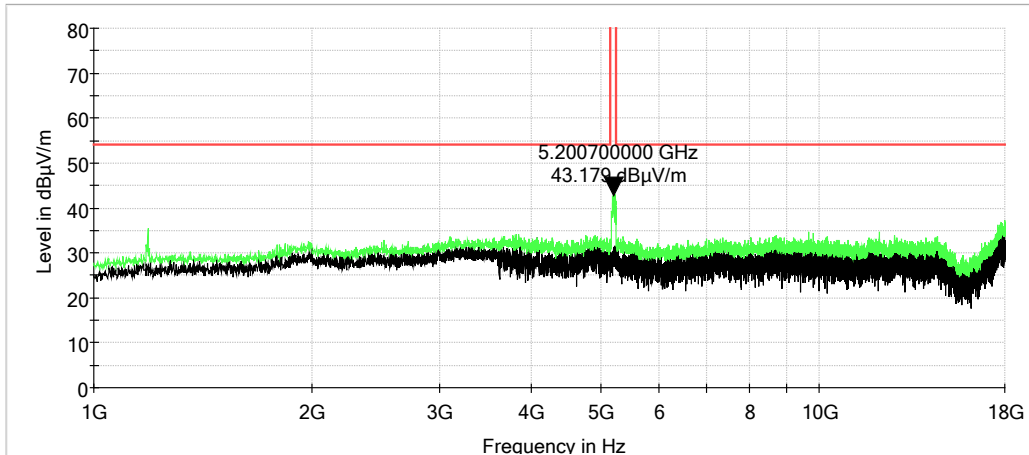


Bandedge, 5.1 GHz, UNII1, MCS7: 80 MHz, Vertical (worst-case)

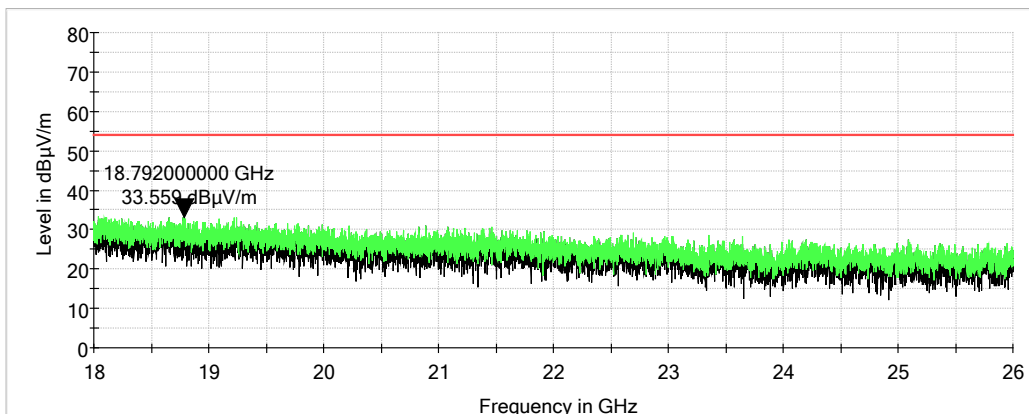




**5.1 GHz, UNII1, MCS7, Radiated Spurious Emissions:
Low Channel, 1 GHz to 18 GHz, Vertical**



**5.1 GHz, UNII1, MCS7, Radiated Spurious Emissions:
Low Channel, 18 GHz to 26 GHz, Vertical**

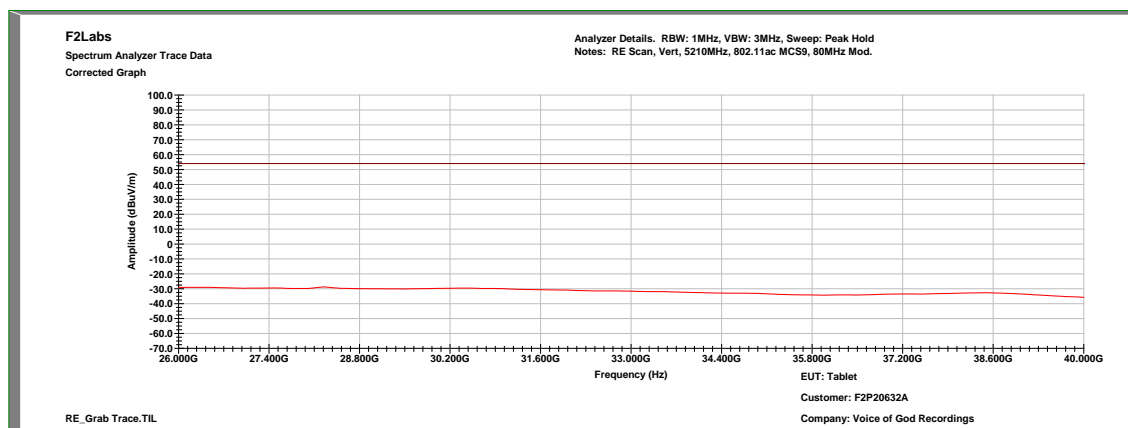




Order Number: F2P20632A

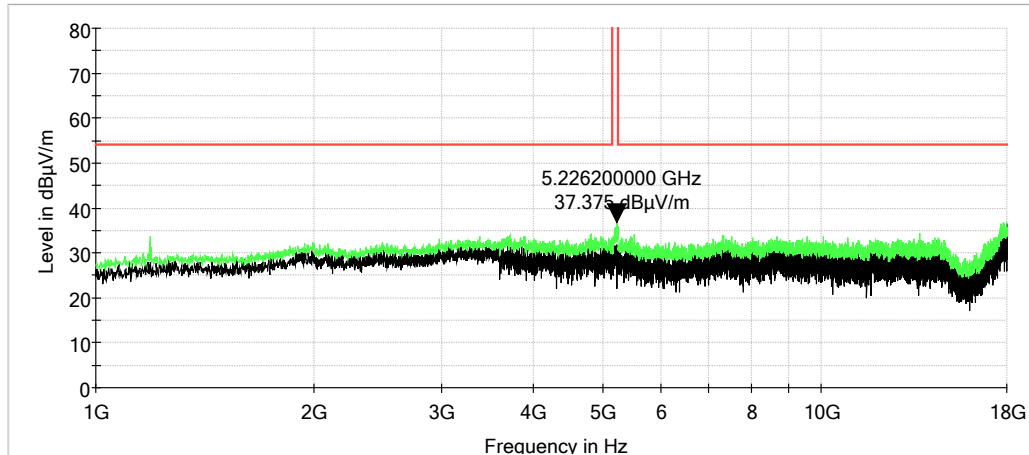
Applicant: Voice of God Recordings Inc.
FCC ID: 2ASB8-AGAPAO

5.1 GHz, UNII1, MCS7, Radiated Spurious Emissions: Low Channel, 26 GHz to 40 GHz, Vertical

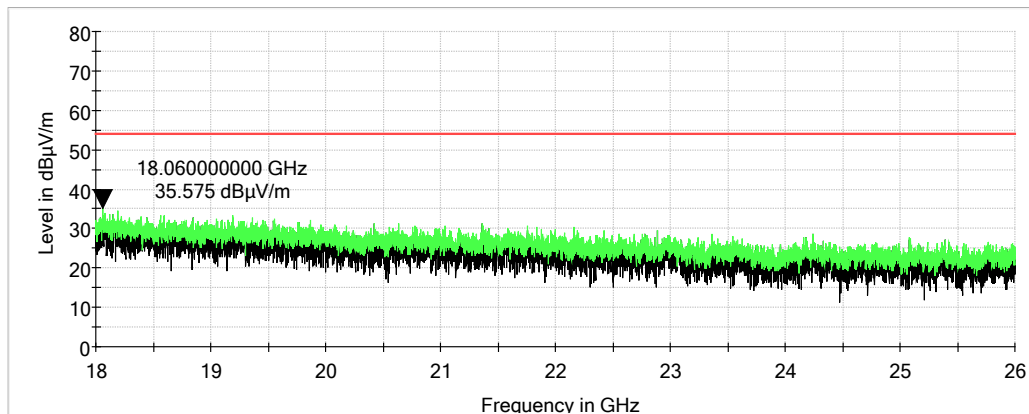




**5.1 GHz, UNII1, MCS7, Radiated Spurious Emissions:
Low Channel, 1 GHz to 18 GHz, Horizontal**



**5.1 GHz, UNII1, MCS7, Radiated Spurious Emissions:
Low Channel, 18 GHz to 26 GHz, Horizontal**

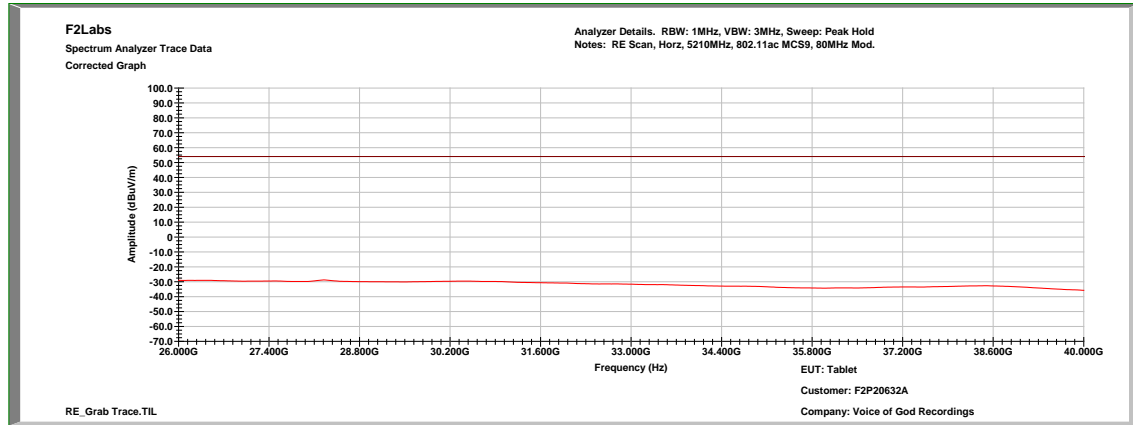




Order Number: F2P20632A

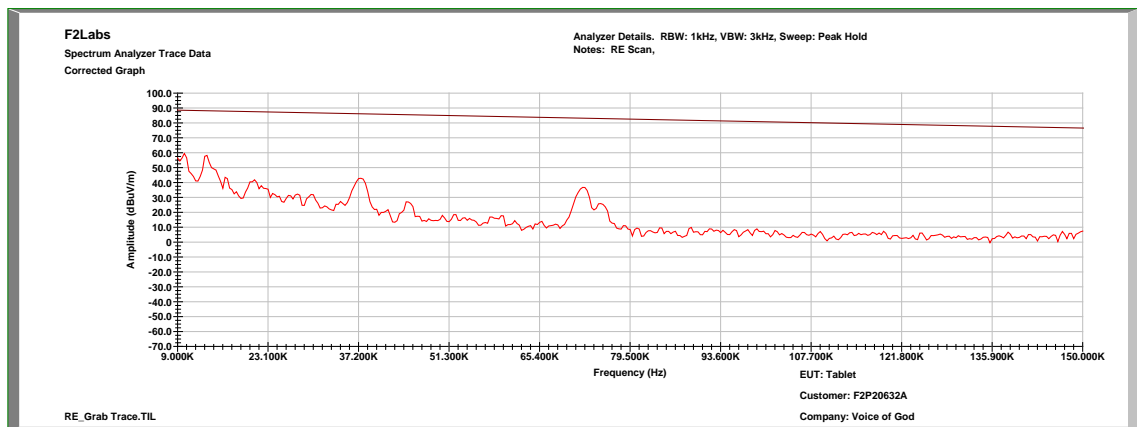
Applicant: Voice of God Recordings Inc.
FCC ID: 2ASB8-AGAPAO

5.1 GHz, UNII1, MCS7, Radiated Spurious Emissions: Low Channel, 26 GHz to 40 GHz, Horizontal

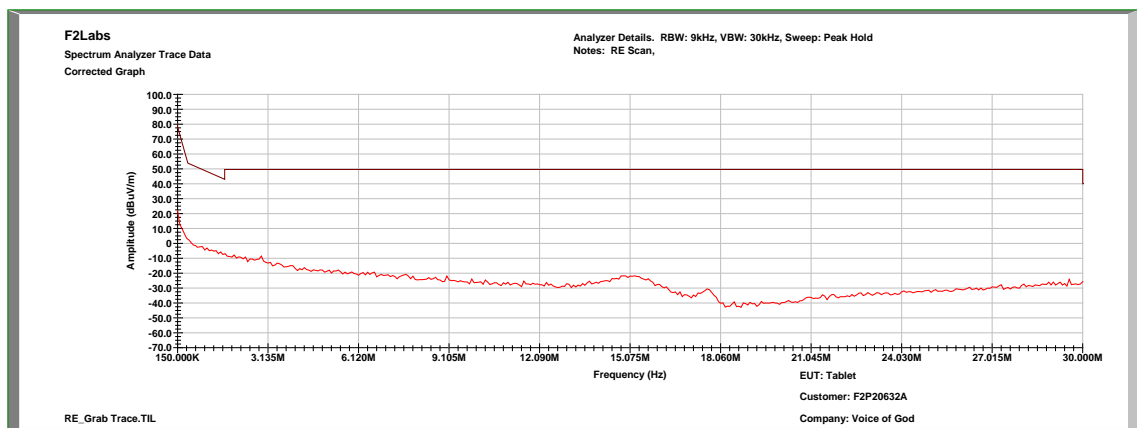




5.7 GHz, UNII3, MCS9, Radiated Spurious Emissions: Low Channel, 9k to 150k

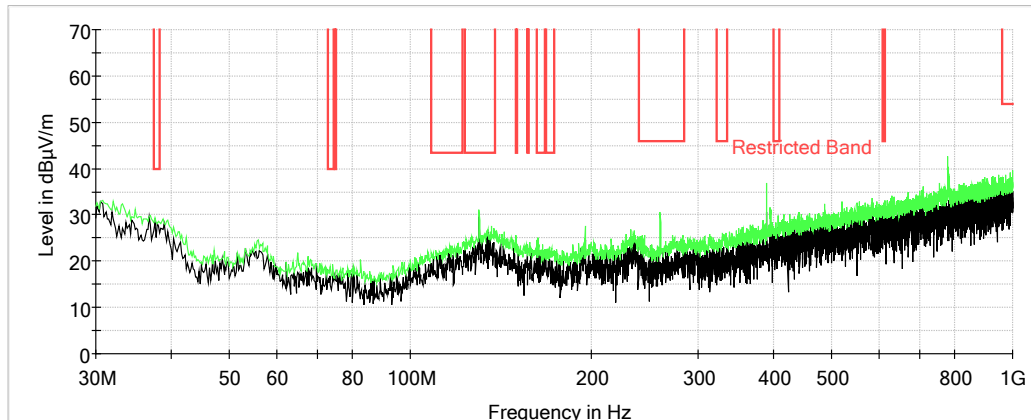


5.7 GHz, UNII3, MCS9, Radiated Spurious Emissions: Low Channel, 150k to 30 MHz

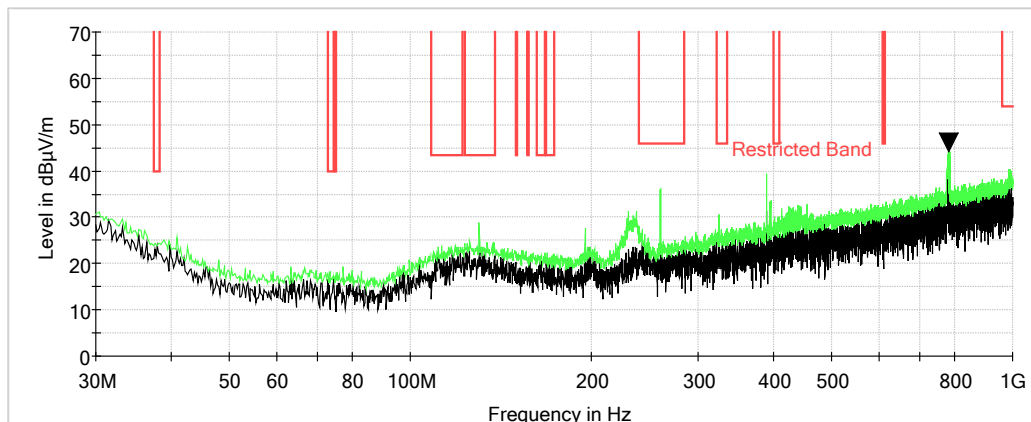




**5.7 GHz, UNII3, MCS9, Radiated Spurious Emissions, Restricted Bands:
Low Channel, 30 MHz to 1 GHz, Vertical**



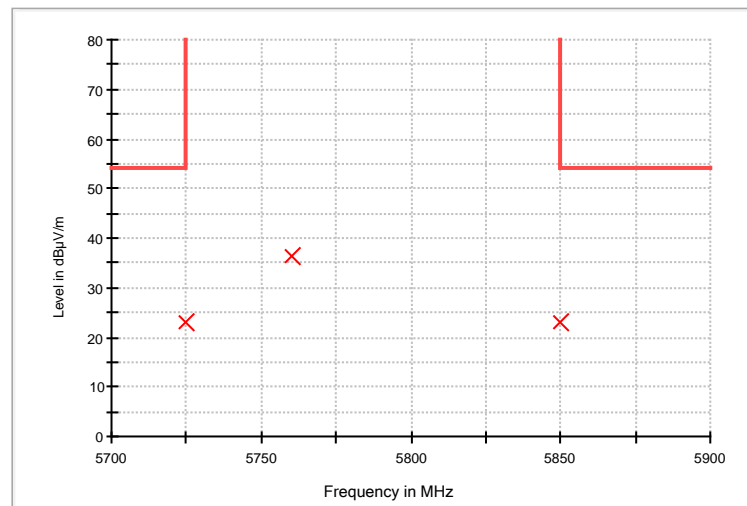
**5.7 GHz, UNII3, MCS9, Radiated Spurious Emissions, Restricted Bands:
Low Channel, 30 MHz to 1 GHz, Horizontal**



Note: There were no emissions from the EUT in any restricted band that were within 20dB of the limit from 9kHz to 1GHz, and there were no peak emissions were within 10dB of the Quasi-Peak limit.

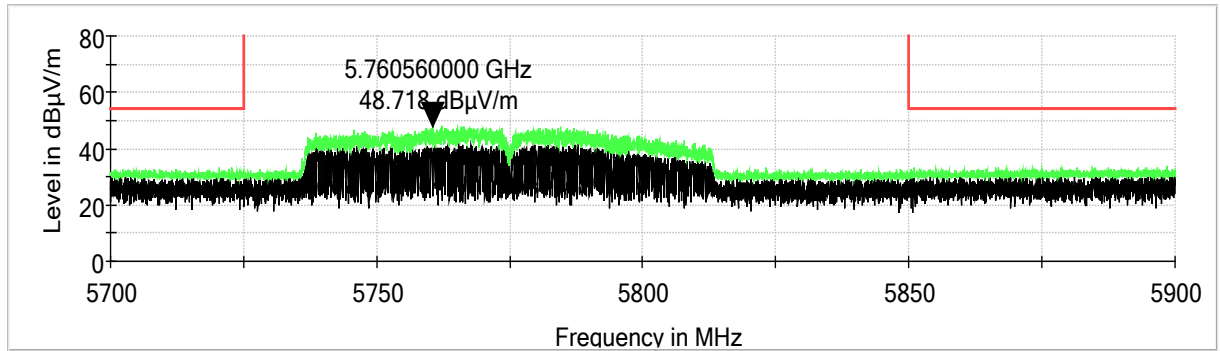
**Band Edge Measurements, 5.7 GHz, UNII3, MCS9**

Frequency (MHz)	Antenna Polarization	Antenna Height (cm)	Azimuth (degrees)	Reading (dBμV)	Correction Factors (dB)	Emission (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5725.000000	V	150.00	0.00	27.2	-4.3	22.90	54.0	-31.1
5760.000000	V	150.00	260.00	40.4	-4.0	36.40	94.0	-57.6
5850.000000	V	150.00	48.00	27.1	-4.1	23.00	54.0	-31.0



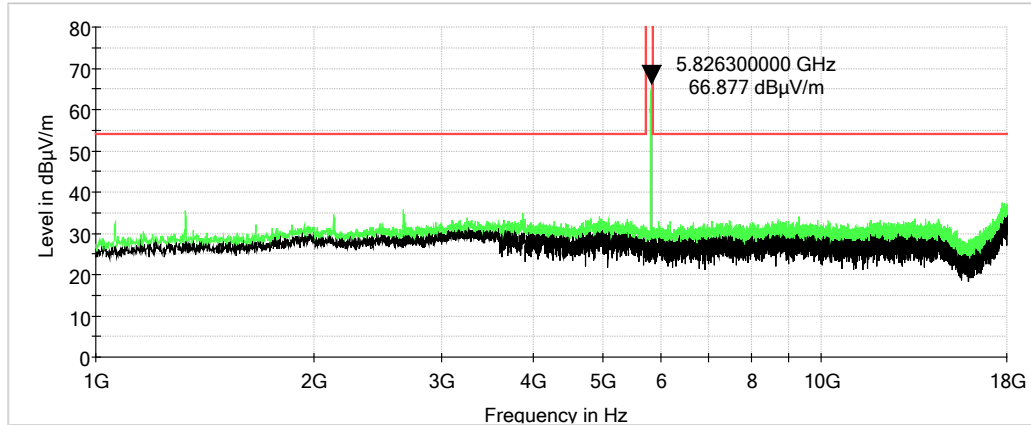


Band Edge, 5.7 GHz, UNII3, MCS9: AC 80, Vertical

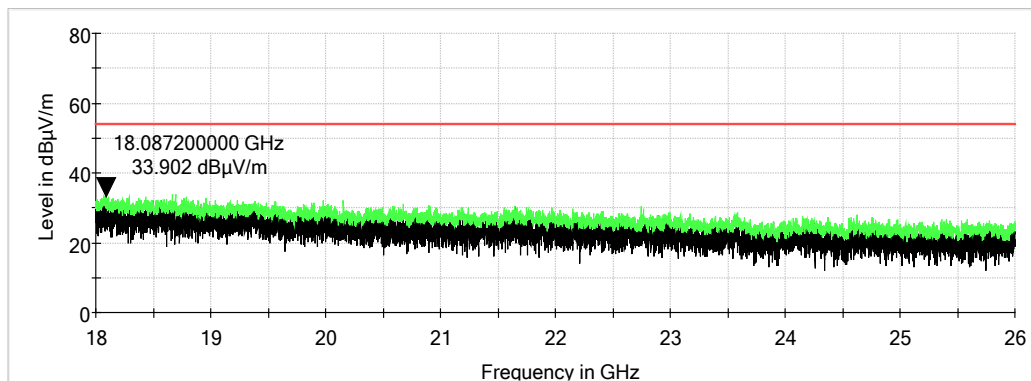




**5.7 GHz, UNII3, MCS9, Radiated Spurious Emissions:
High Channel, 1 GHz to 18 GHz, Vertical**



**5.7 GHz, UNII3, MCS9, Radiated Spurious Emissions:
High Channel, 18 GHz to 26 GHz, Vertical**

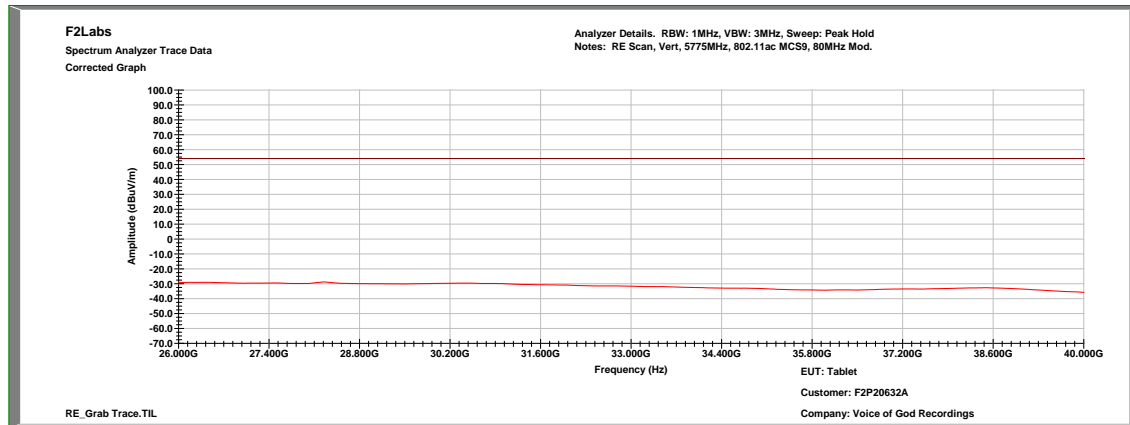




Order Number: F2P20632A

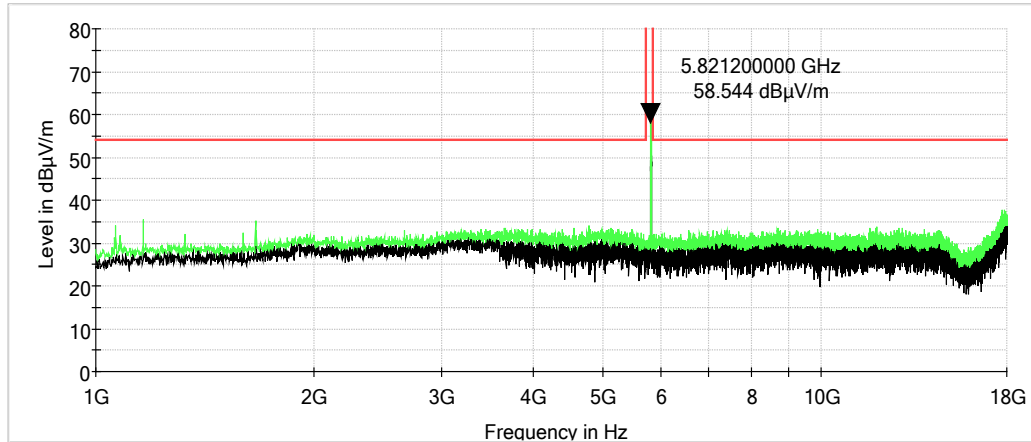
Applicant: Voice of God Recordings Inc.
FCC ID: 2ASB8-AGAPAO

5.7 GHz, UNII3, MCS9, Radiated Spurious Emissions: High Channel, 26 GHz to 40 GHz, Vertical

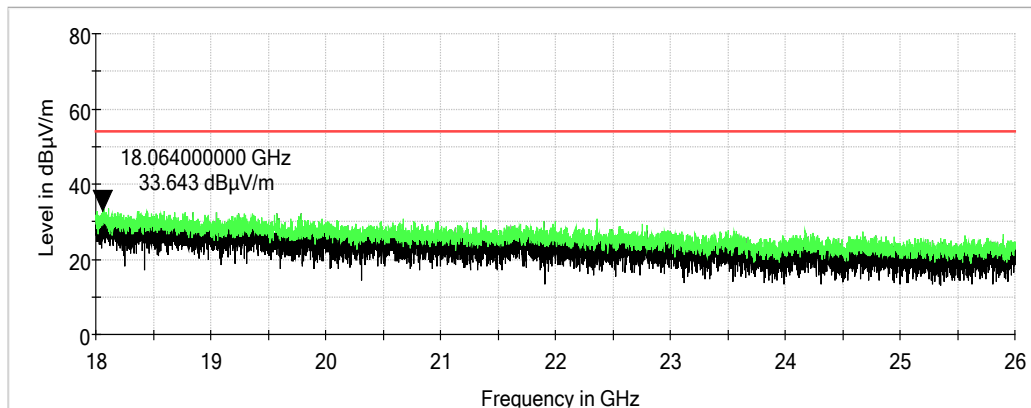




**5.7 GHz, UNII3, MCS9, Radiated Spurious Emissions:
High Channel, 1 GHz to 18 GHz, Horizontal**



**5.7 GHz, UNII3, MCS9, Radiated Spurious Emissions:
High Channel, 18 GHz to 26 GHz, Horizontal**

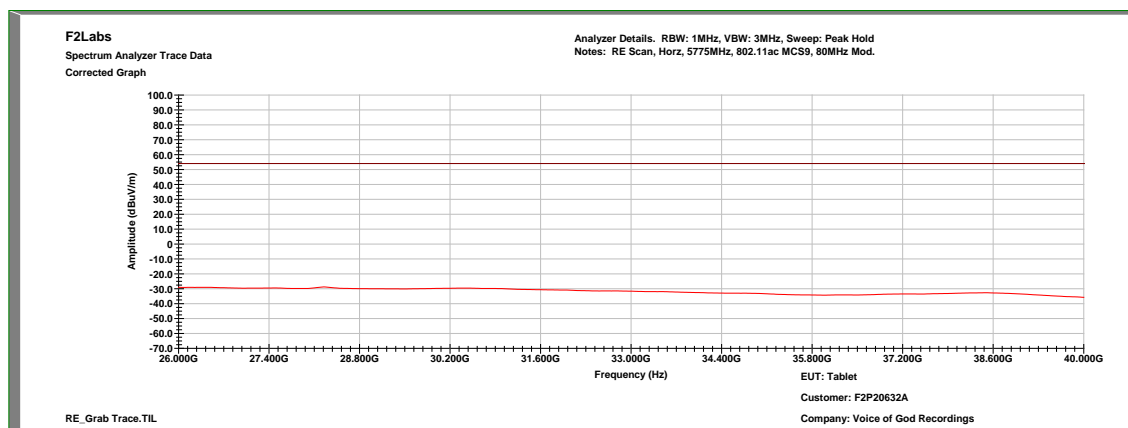




Order Number: F2P20632A

Applicant: Voice of God Recordings Inc.
FCC ID: 2ASB8-AGAPAO

5.7 GHz, UNII3, MCS9, Radiated Spurious Emissions: Low Channel, 26 GHz to 40 GHz, Horizontal





11 CONDUCTED SPURIOUS EMISSIONS

The following tests were performed to demonstrate compliance.

RF Antenna Conducted Test

The EUT antenna port was fitted with an SMA connector and directly connected to the input of the spectrum analyzer.

11.1 Requirements:

All Spurious Emissions must be at least 20dB down from the highest emission level measured within the authorized band up through the tenth harmonic.

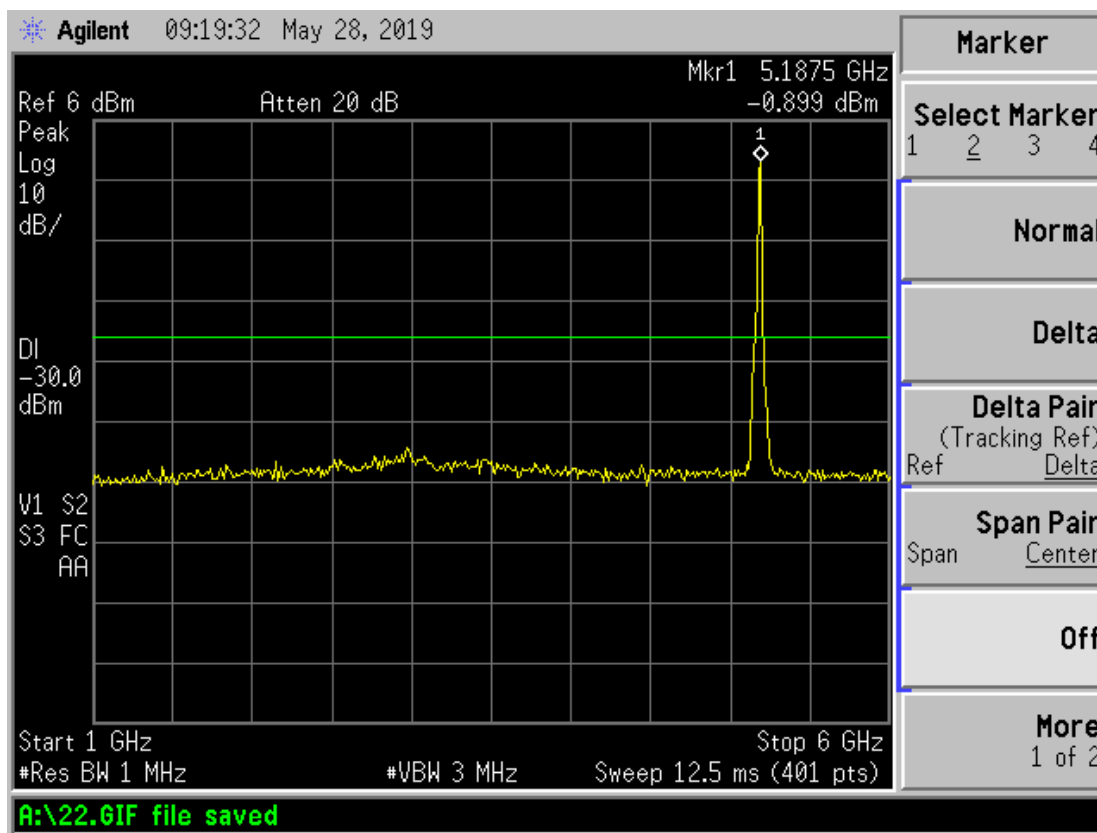
Spurious emissions measurements were made at the low, mid, and upper channels with the appropriate spectrum analyzer resolution bandwidth. Additionally, measurements were made at the lower and upper bandedges.



11.2 Conducted Spurious Emissions Test Data

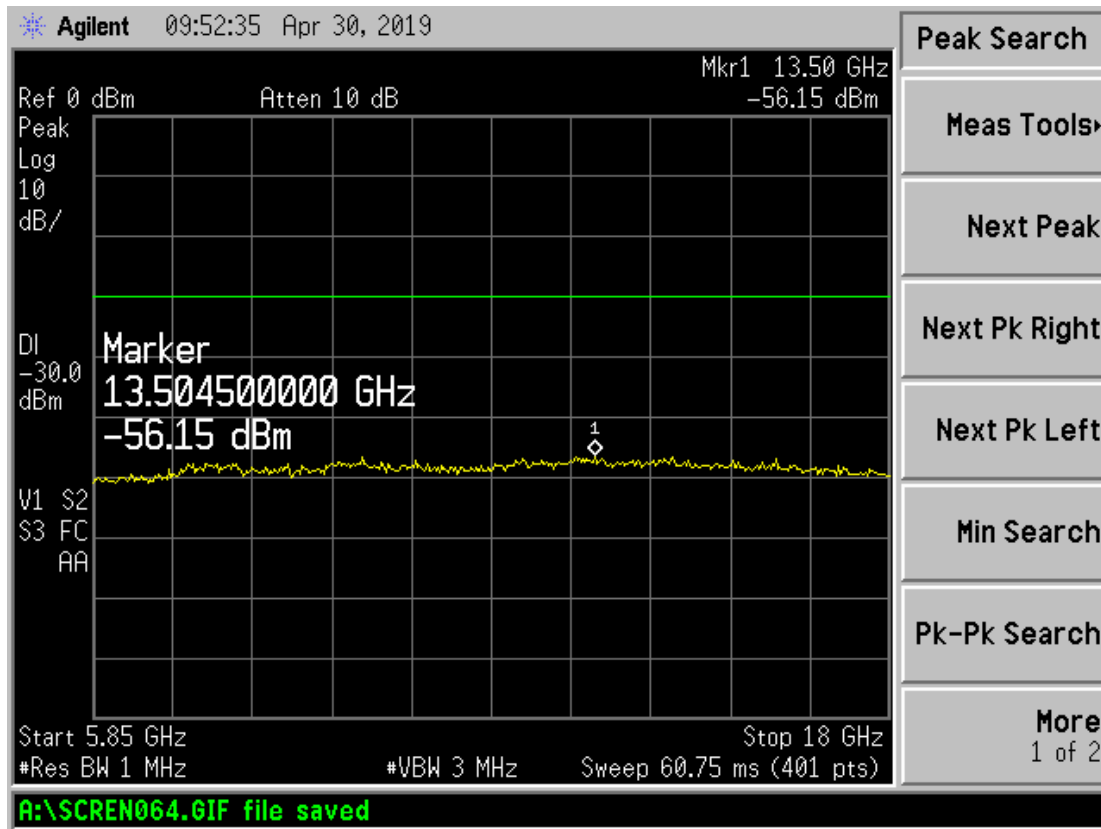
Test Date(s):	Apr. 30, 2019; May 16 & 28, 2019	Test Engineer:	J. Chiller
Standards:	CFR 47 Part 15.407(b)(1,4)	Air Temperature:	22.1°C
		Relative Humidity:	35%

5.1 GHz, UNII1, N20M, Low Channel: 1 GHz to 6 GHz



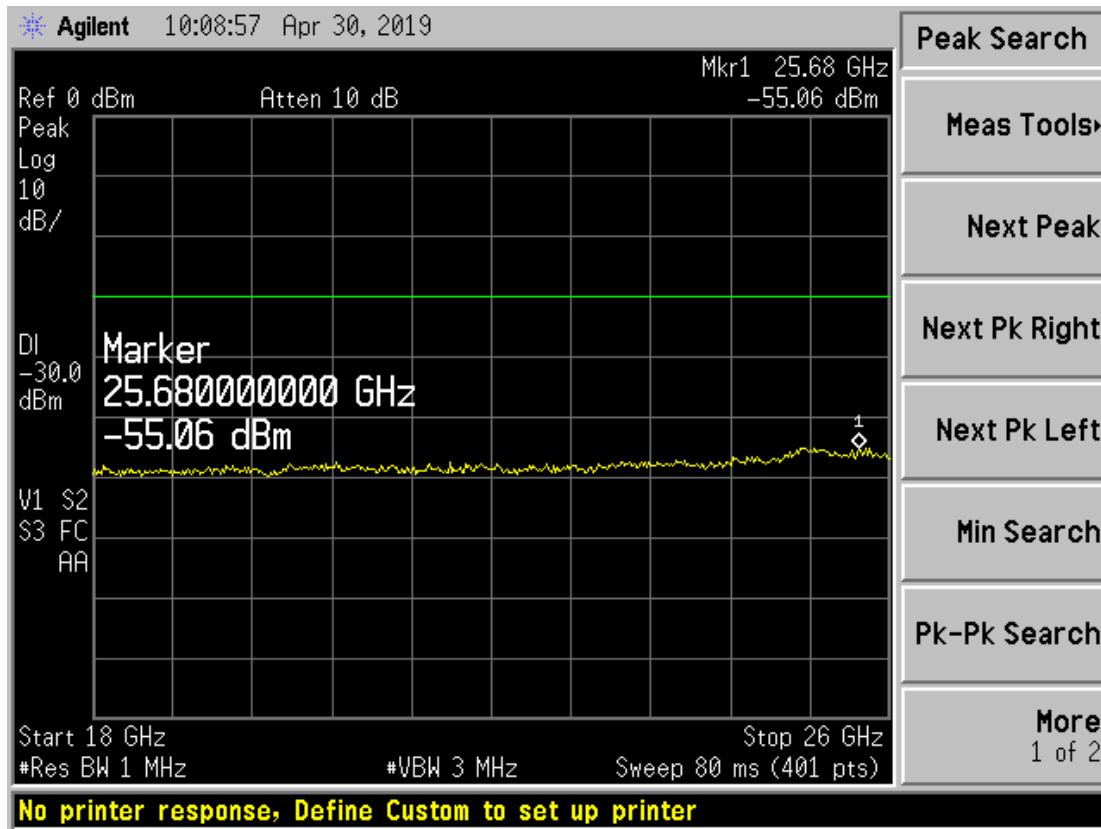


5.1 GHz, UNII1, N20M, Low Channel: 5.85 GHz to 18 GHz



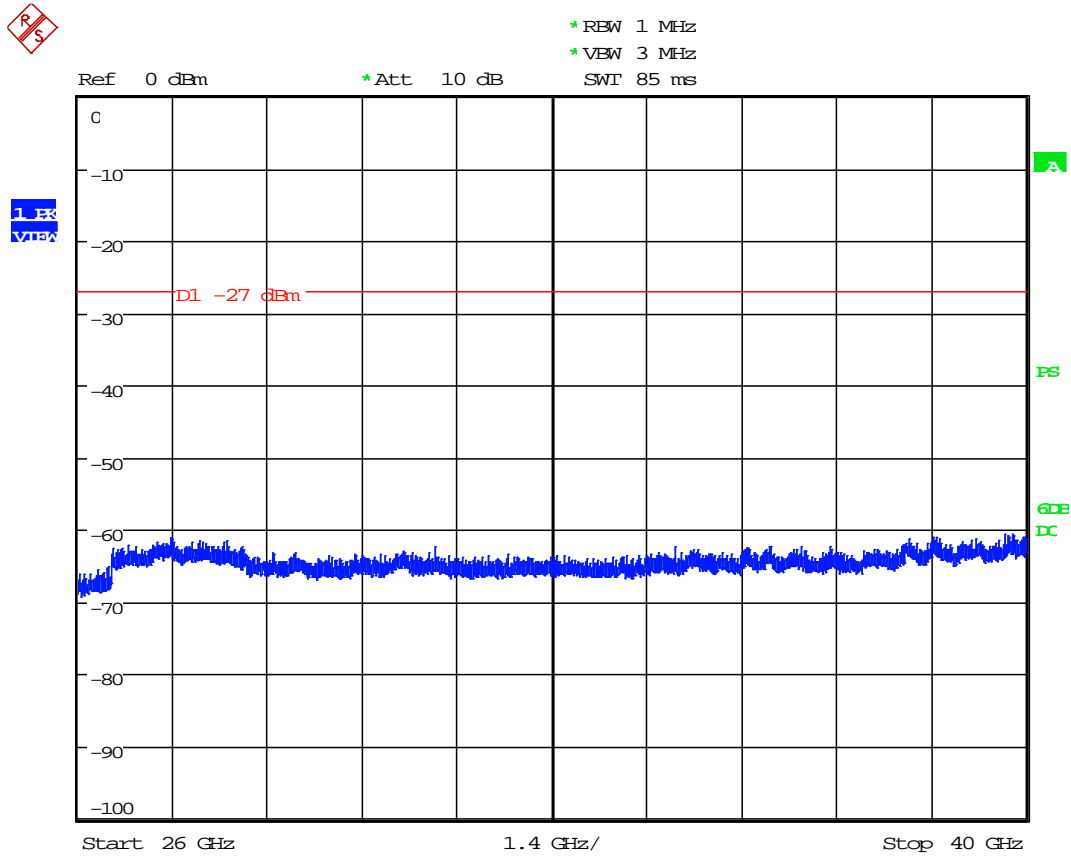


5.1 GHz, UNII1, N20M, Low Channel: 18 GHz to 26 GHz





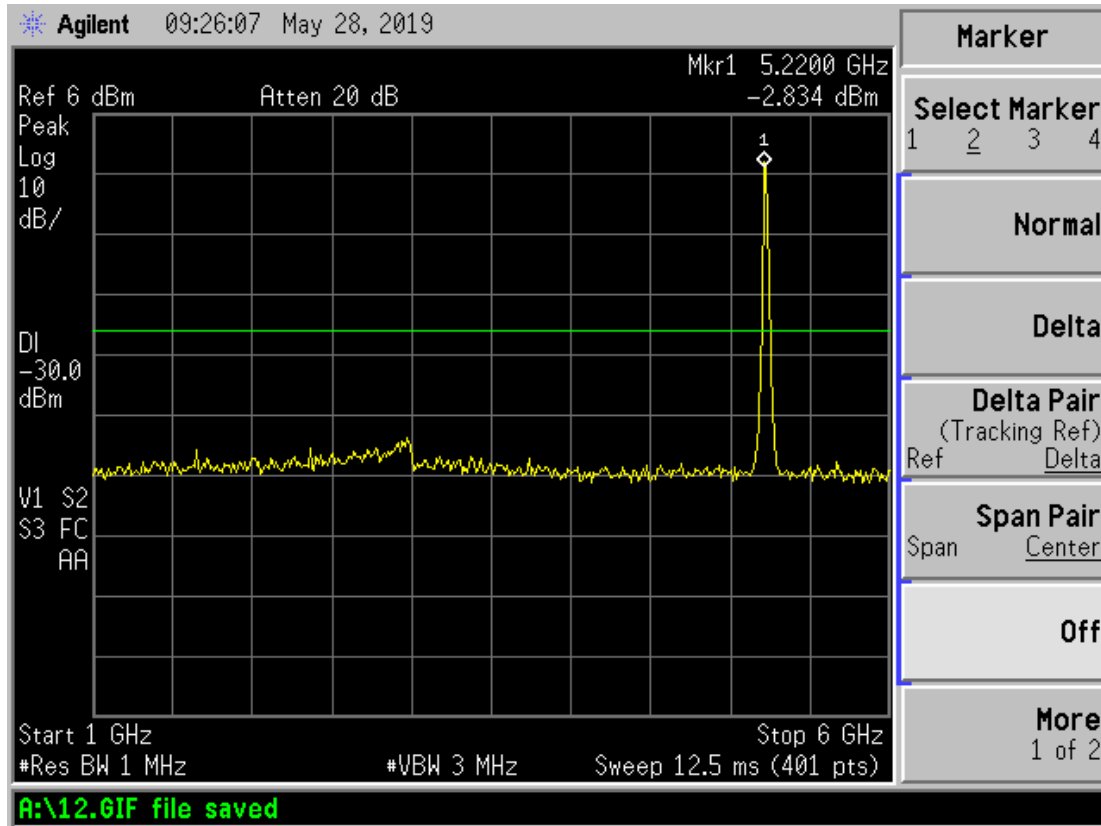
5.1 GHz, UNII1, N20M, Low Channel: 26 GHz to 40 GHz



Date: 16.MAY.2019 13:00:20

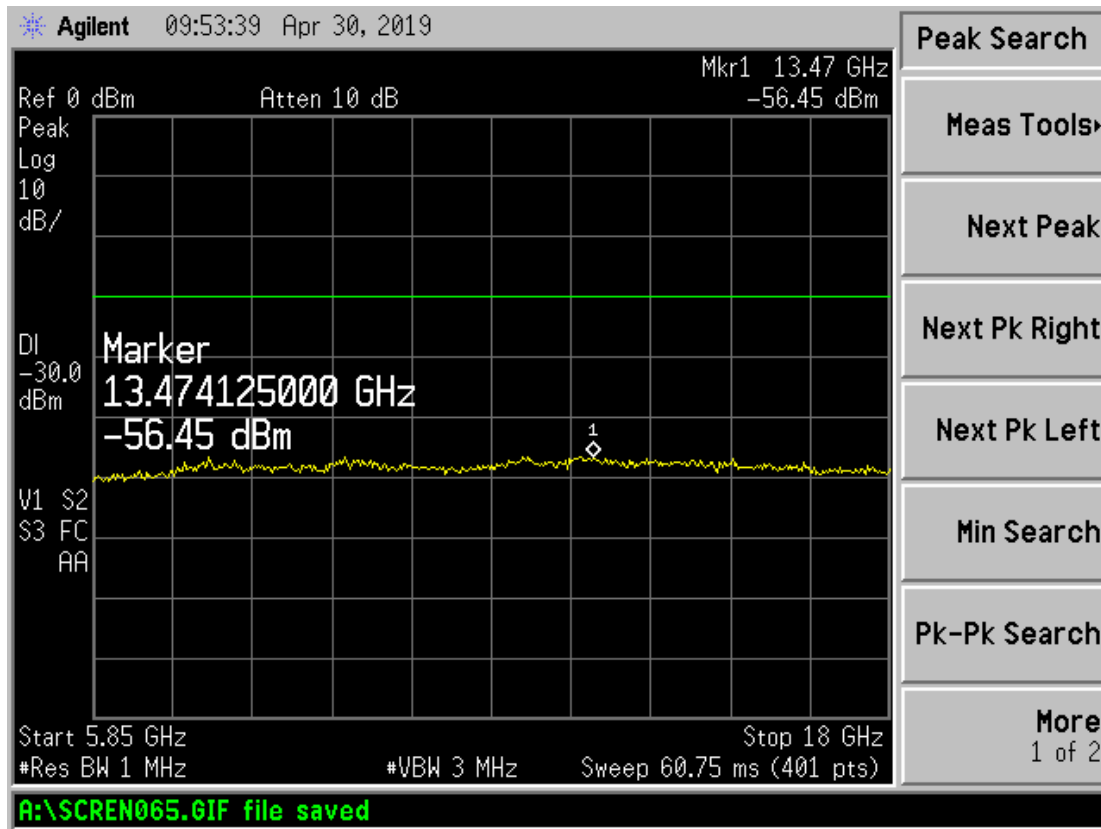


5.1 GHz, UNII1, N20M, Mid Channel: 1 GHz to 6 GHz



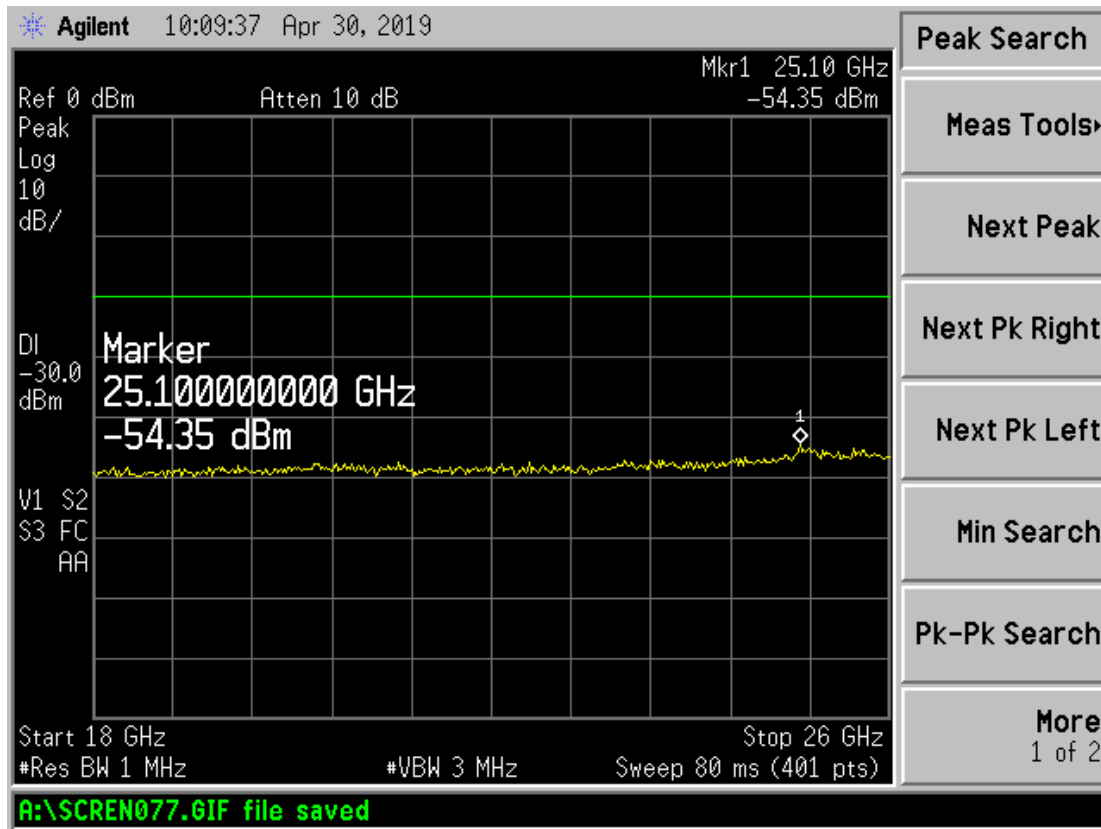


5.1 GHz, UNII1, N20M, Mid Channel: 5.85 GHz to 18 GHz



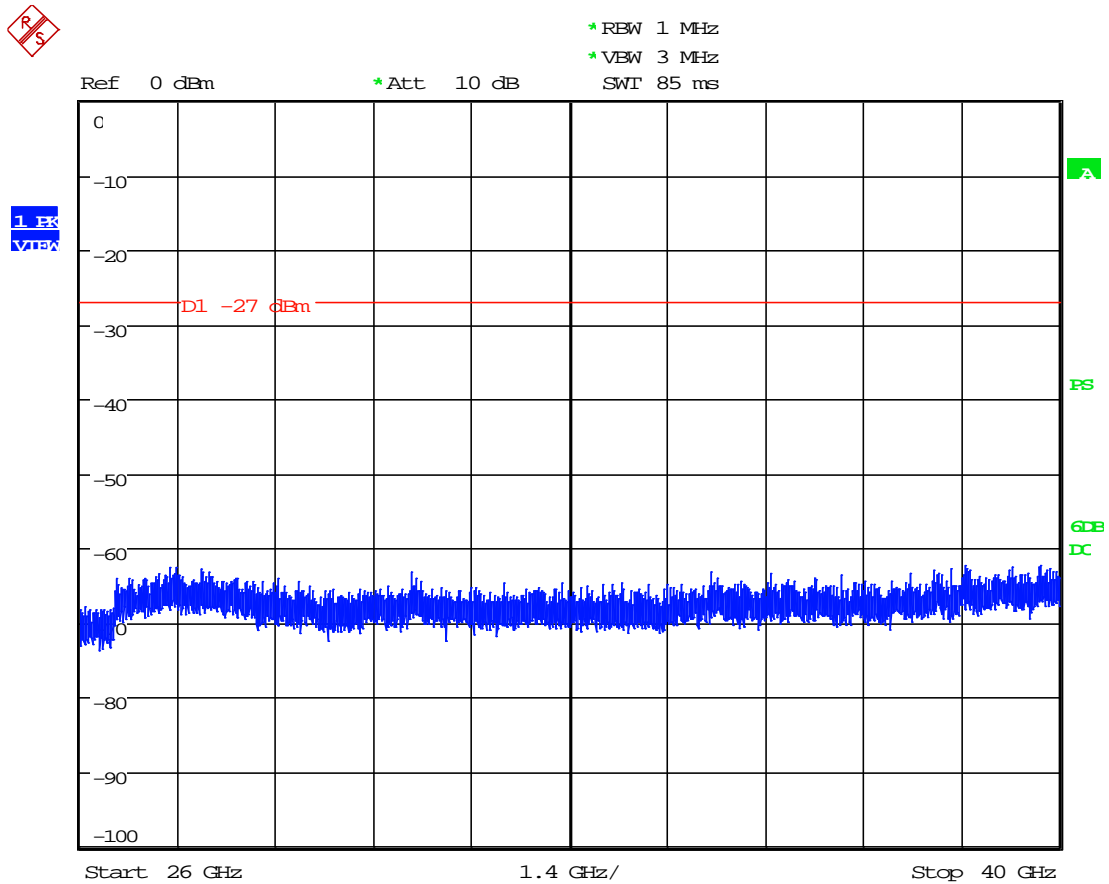


5.1 GHz, UNII1, N20M, Mid Channel: 18 GHz to 26 GHz





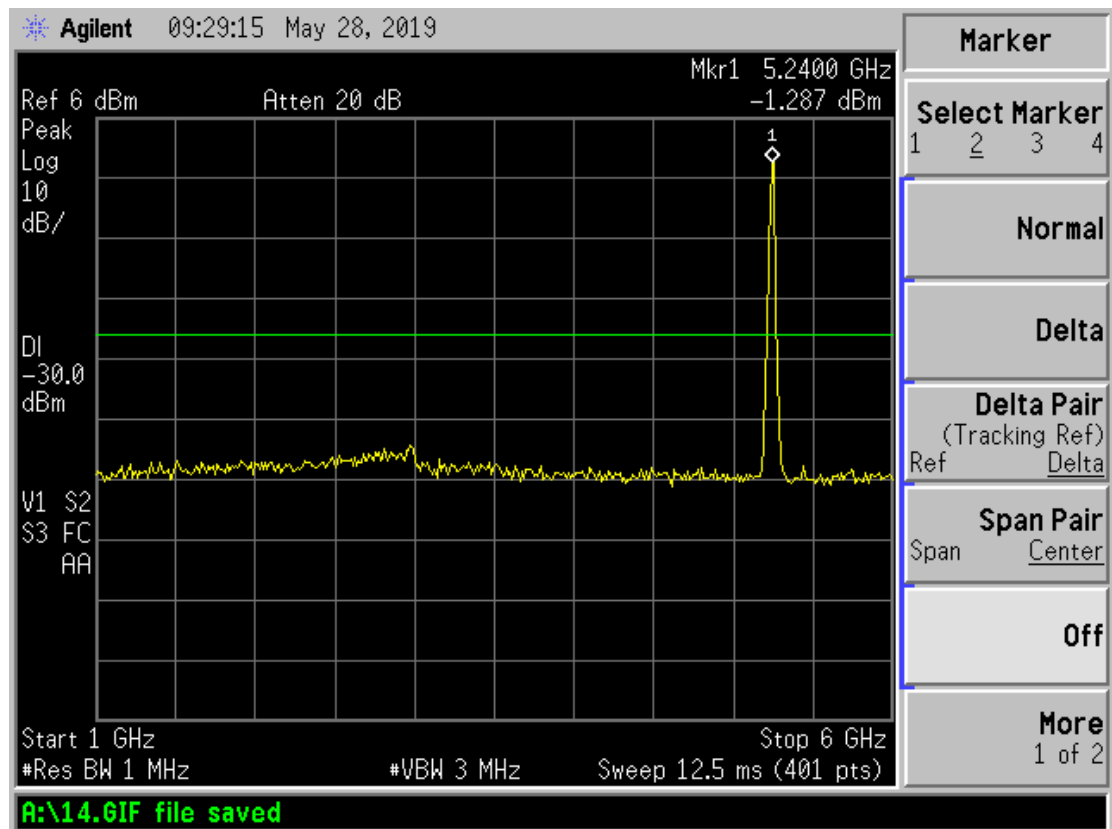
5.1 GHz, UNII1, N20M, Mid Channel: 26 GHz to 40 GHz



Date: 16.MAY.2019 13:00:56

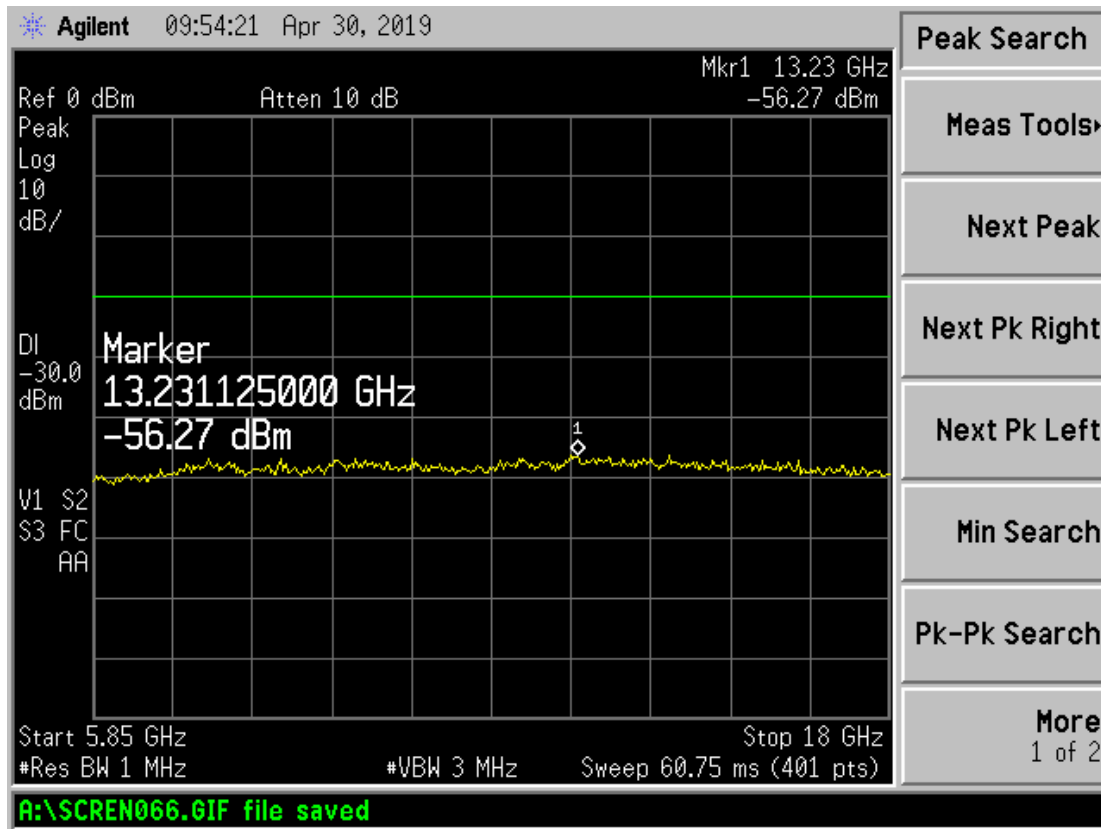


5.1 GHz, UNII1, N20M, High Channel: 1 GHz to 6 GHz



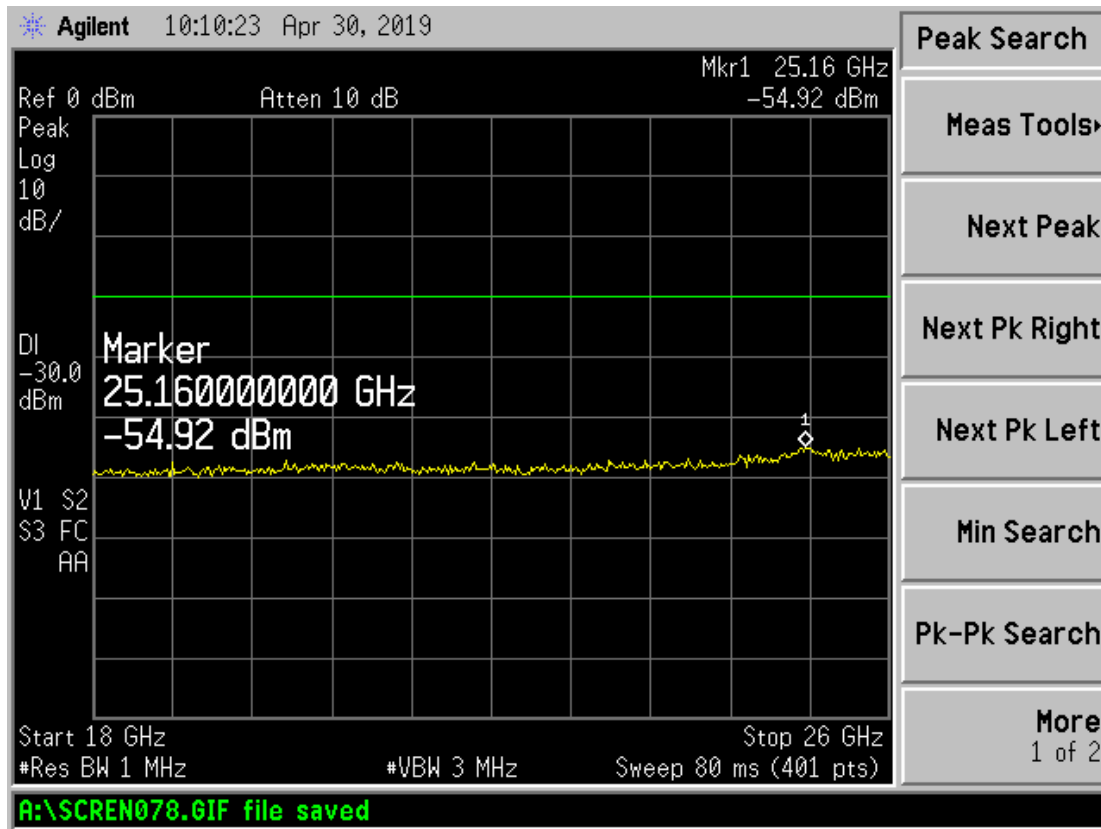


5.1 GHz, UNII1, N20M, High Channel: 5.85 GHz to 18 GHz



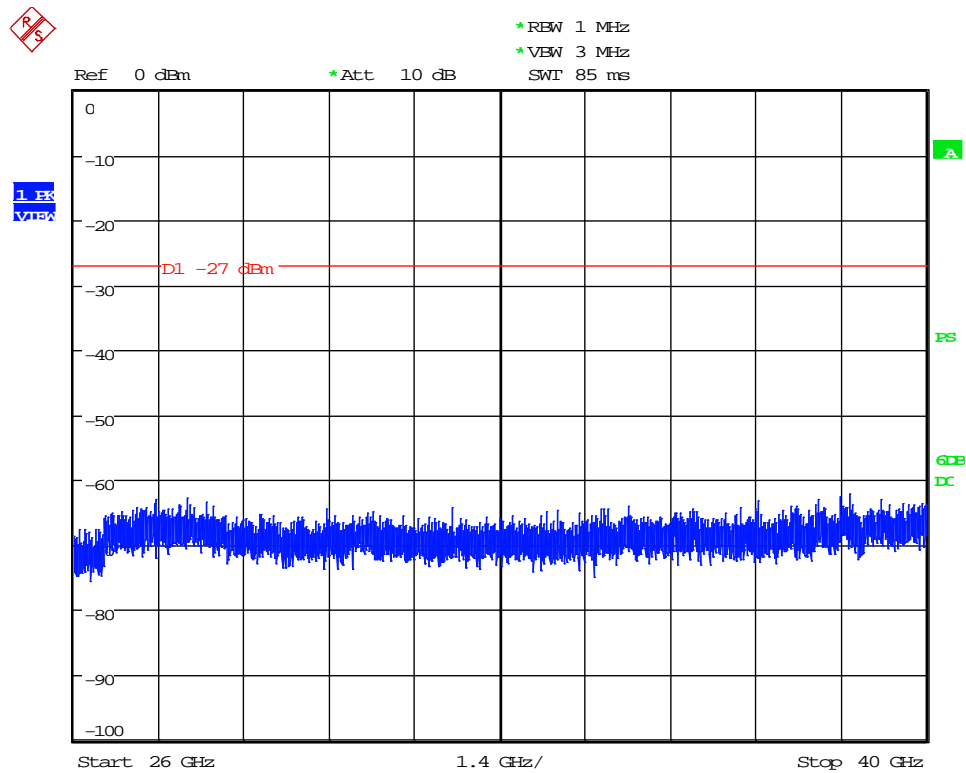


5.1 GHz, UNII1, N20M, High Channel: 18 GHz to 26 GHz





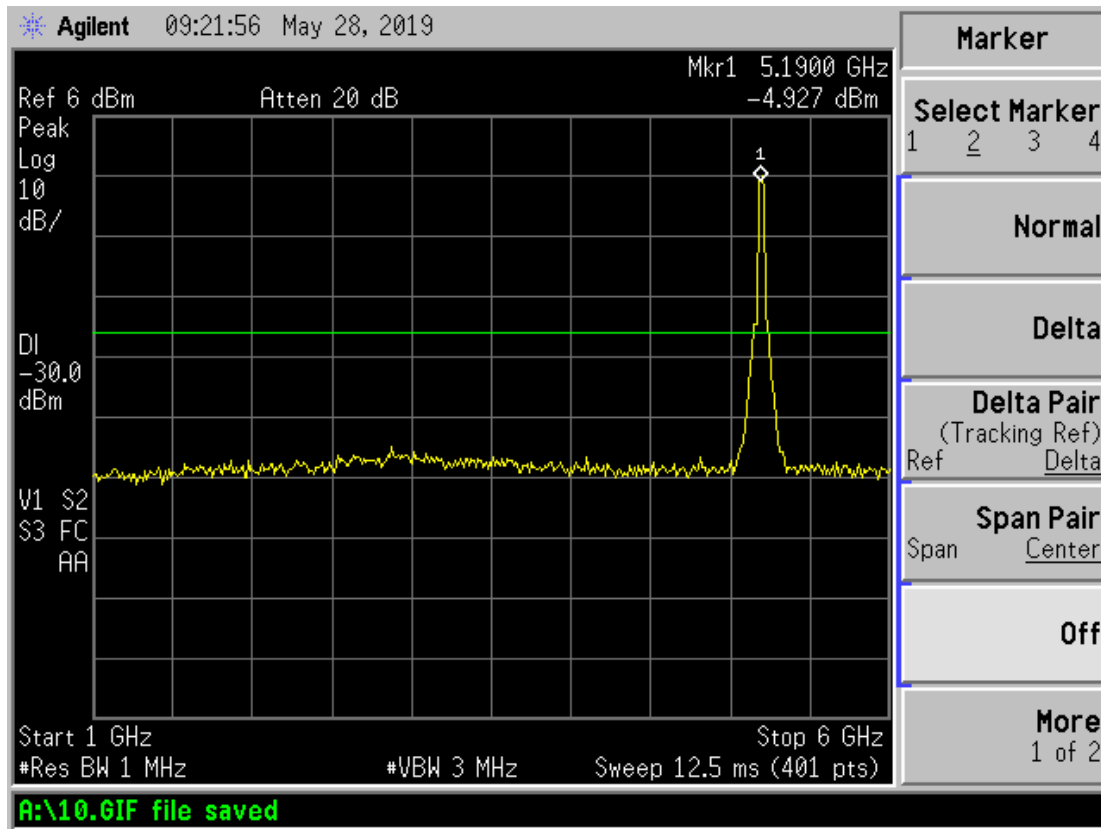
5.1 GHz, UNII1, N20M, High Channel: 26 GHz to 40 GHz



Date: 16.MAY.2019 13:01:13

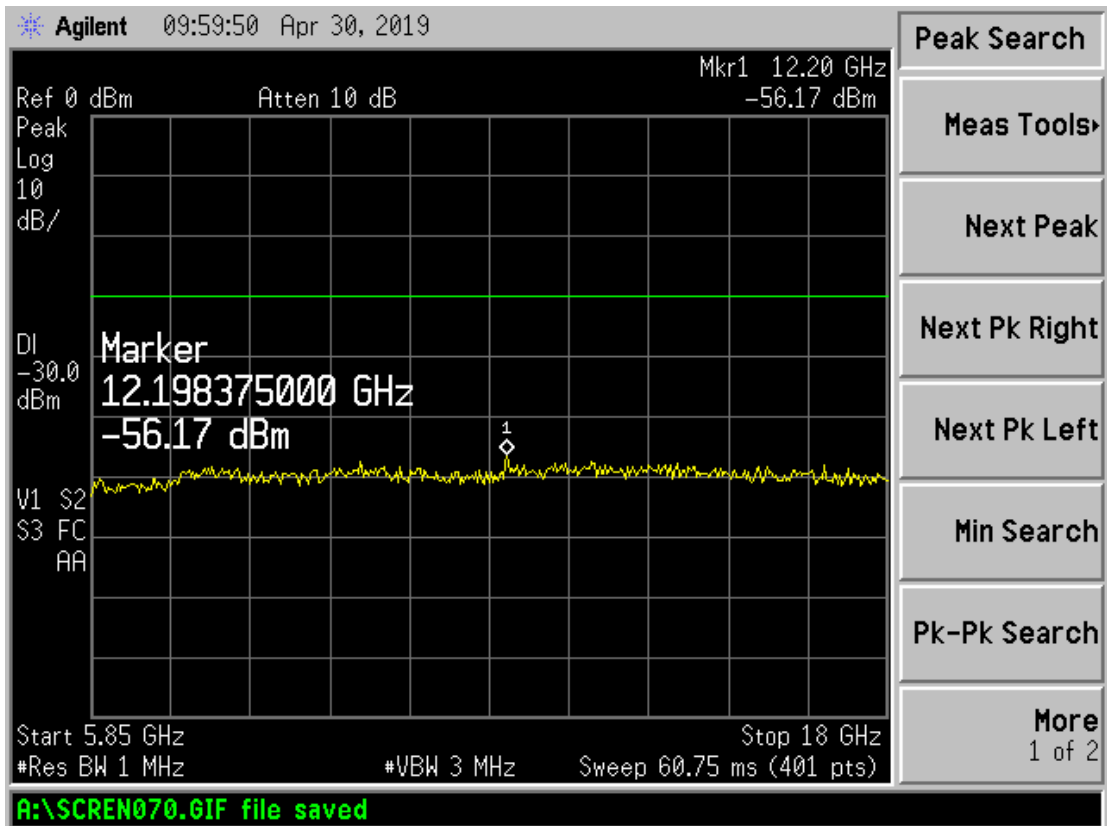


5.1 GHz, UNII1, N40M, Low Channel: 1 GHz to 6 GHz



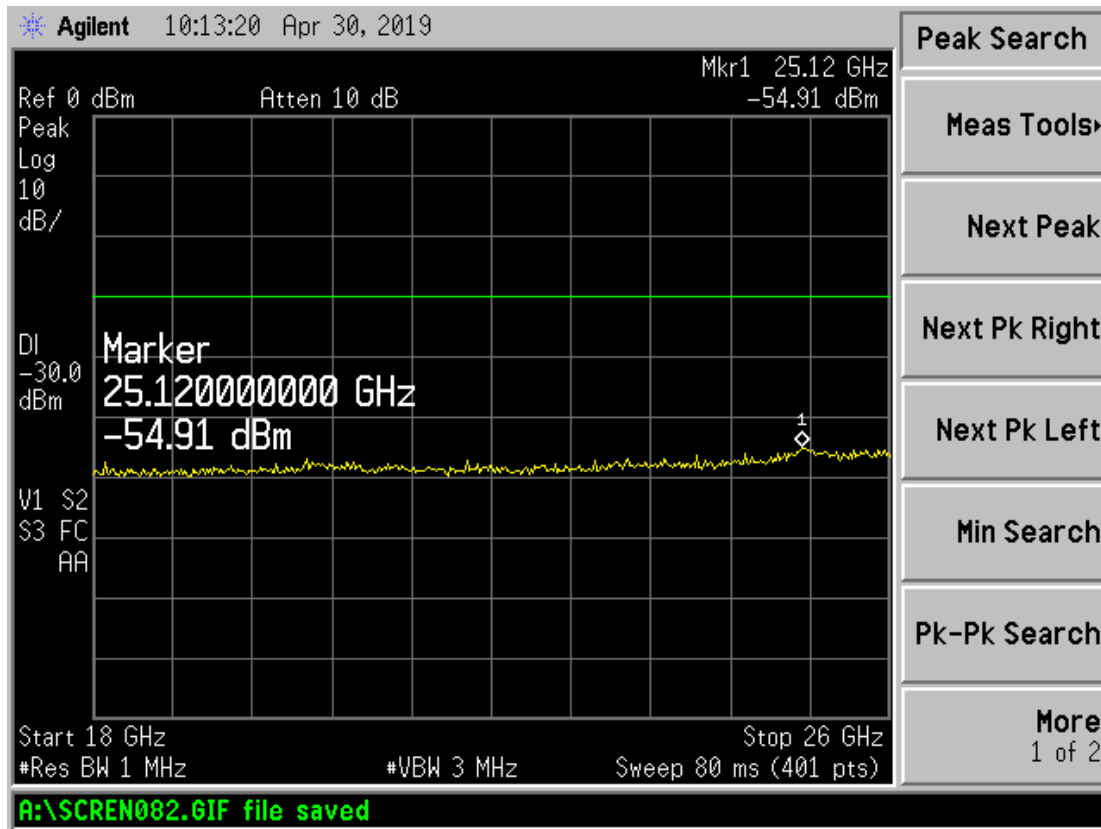


5.1 GHz, UNII1, N40M, Low Channel: 5.85 GHz to 18 GHz



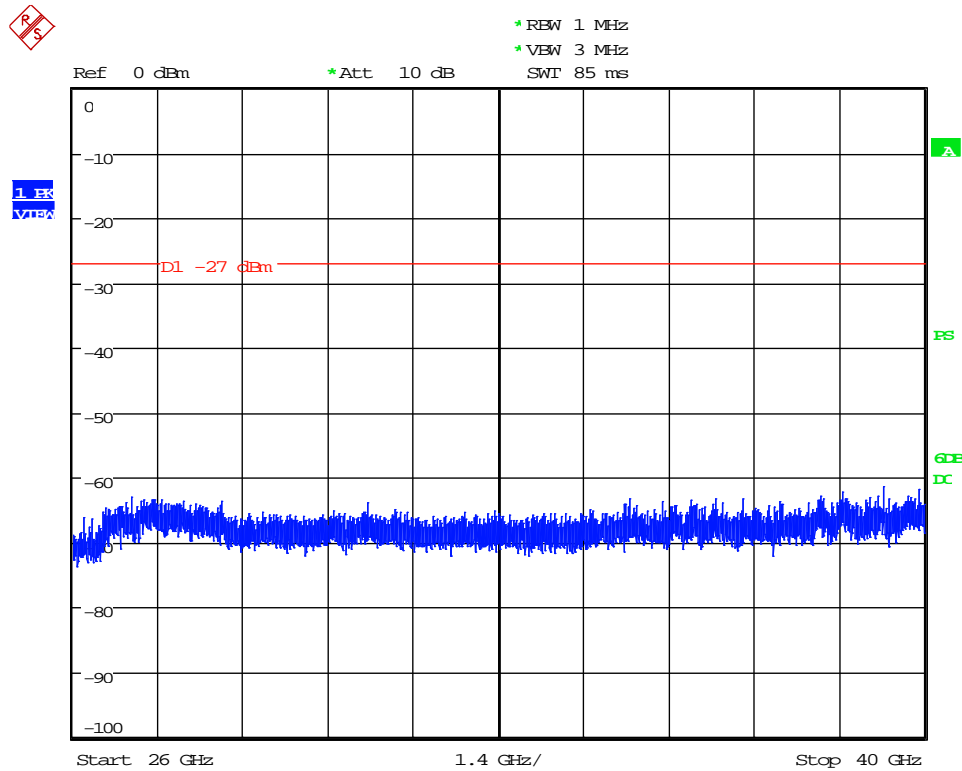


5.1 GHz, UNII1, N40M, Low Channel: 18 GHz to 26 GHz





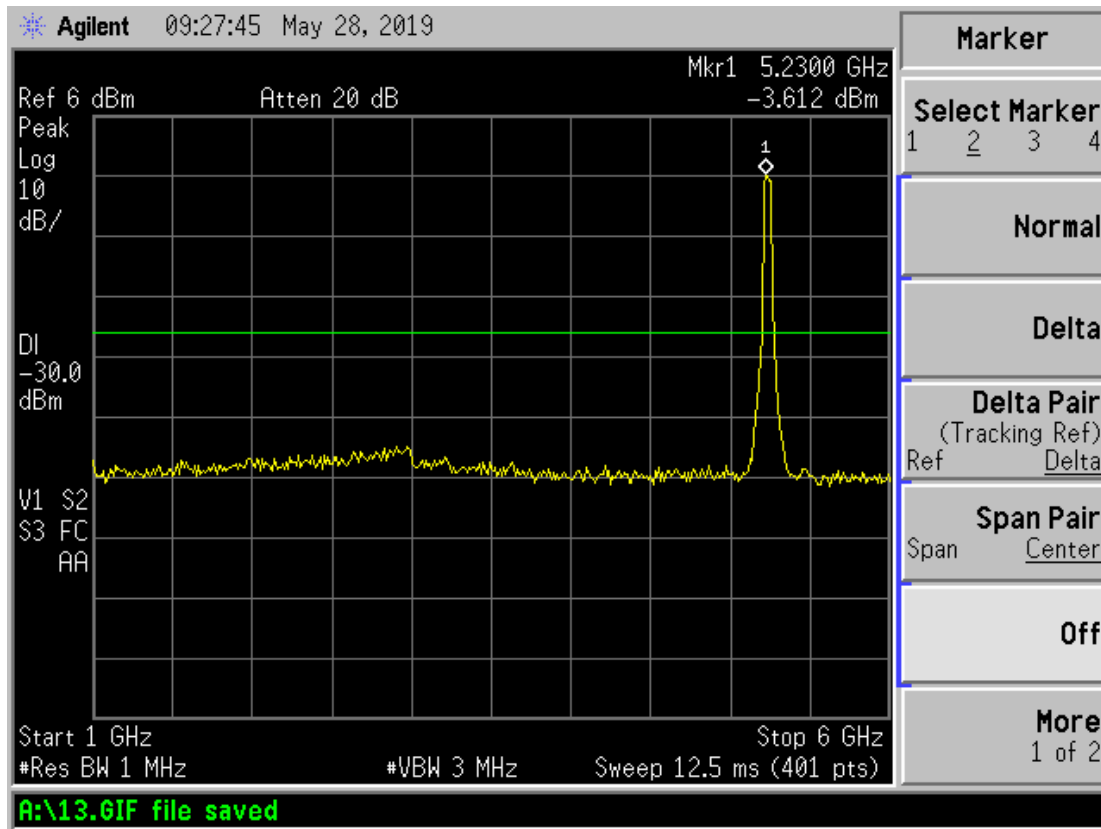
5.1 GHz, UNII1, N40M, Low Channel: 26 GHz to 40 GHz



Date: 16.MAY.2019 13:01:56

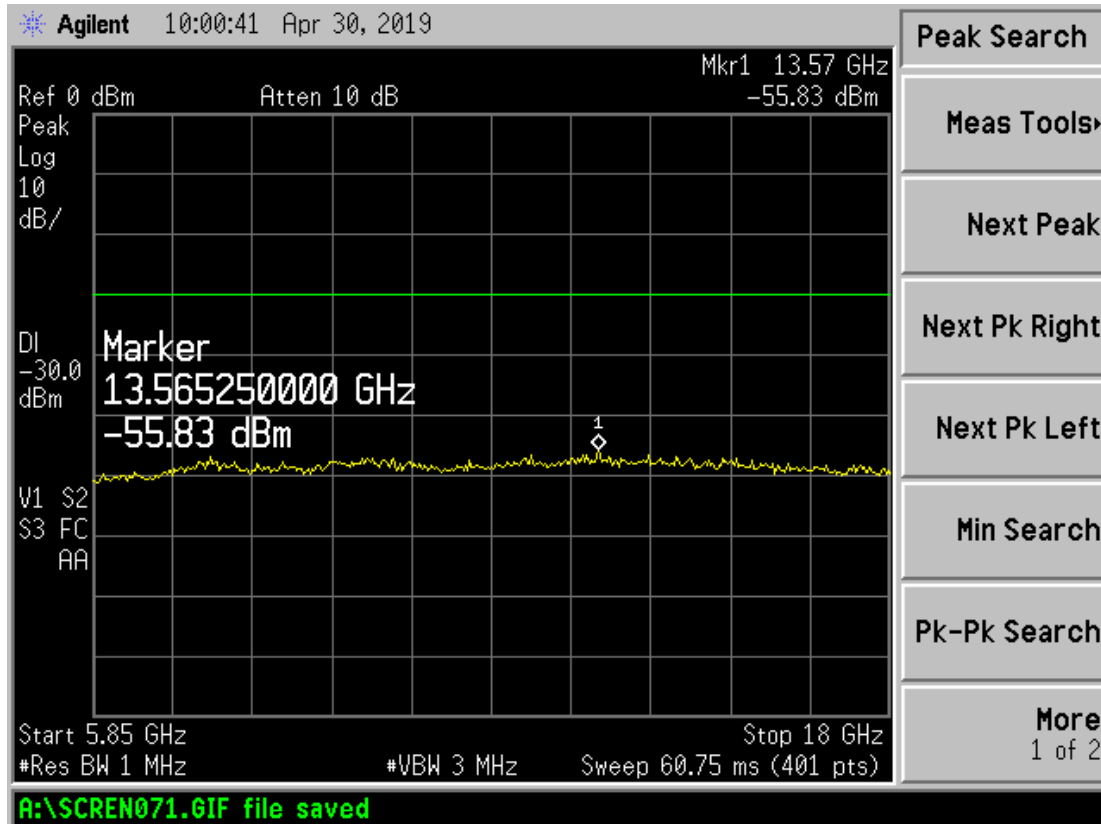


5.1 GHz, UNII1, N40M, High Channel: 1 GHz to 6 GHz



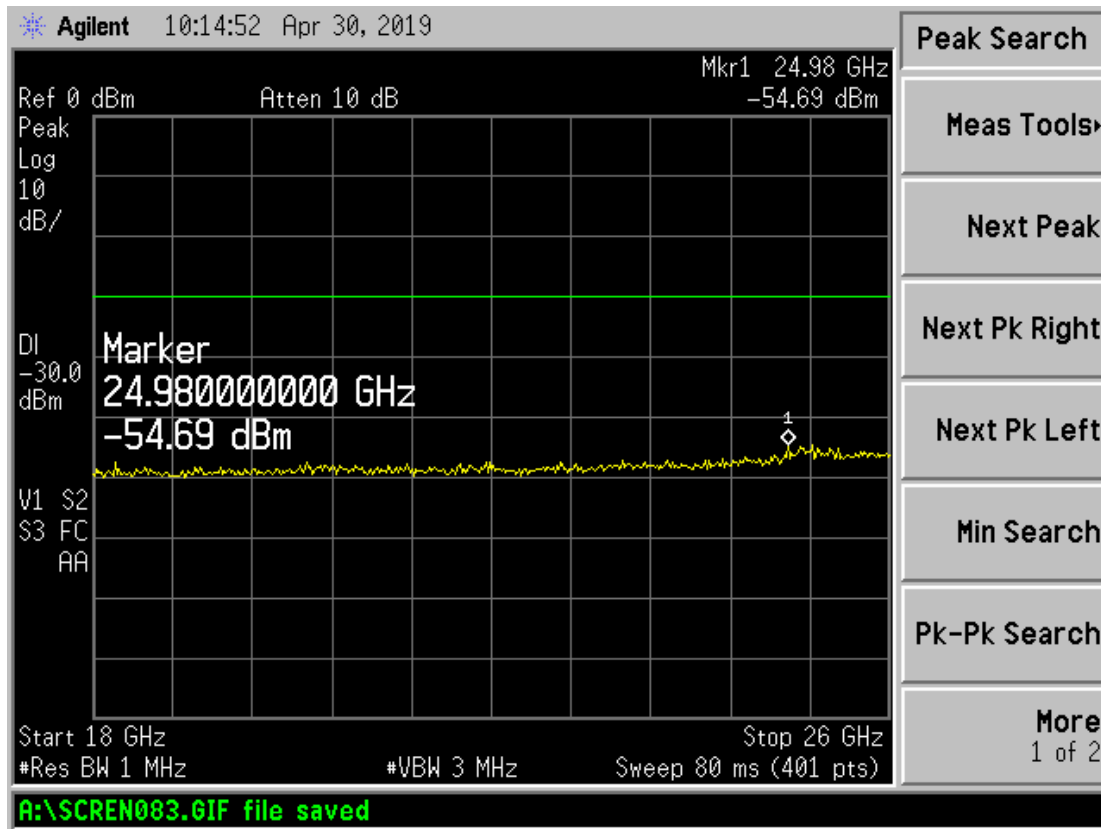


5.1 GHz, UNII1, N40M, High Channel: 5.85 GHz to 18 GHz



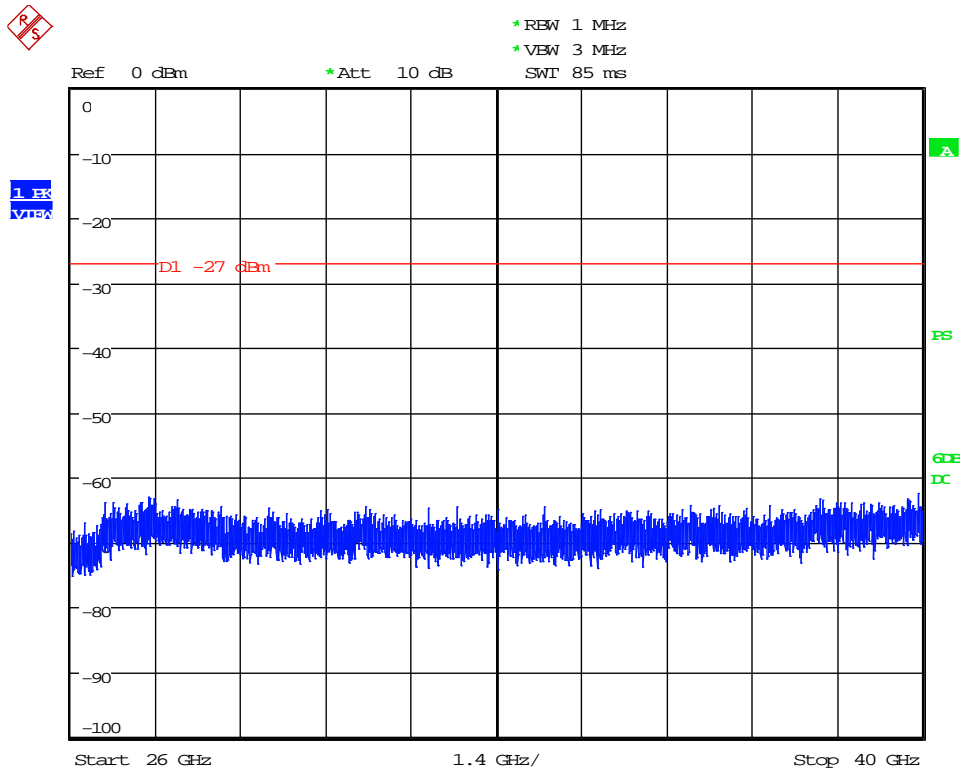


5.1 GHz, UNII1, N40M, High Channel: 18 GHz to 26 GHz





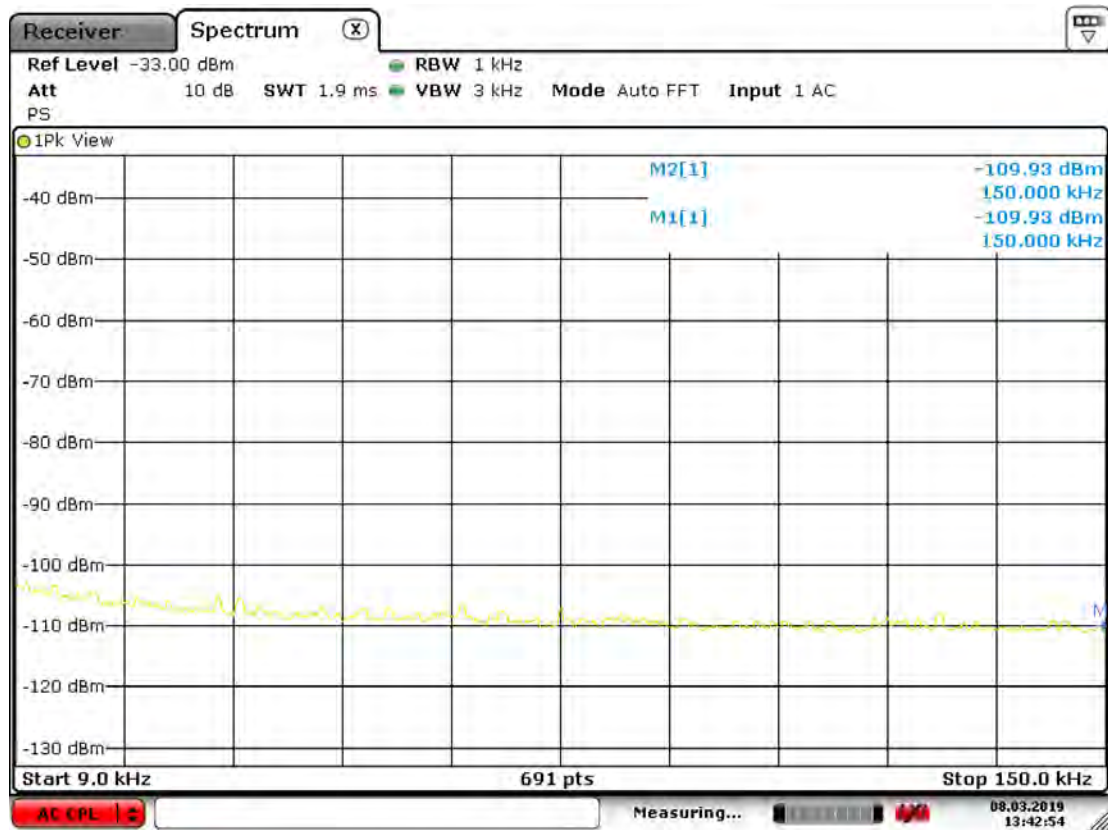
5.1 GHz, UNII1, N40M, High Channel: 26 GHz to 40 GHz



Date: 16.MAY.2019 13:02:16



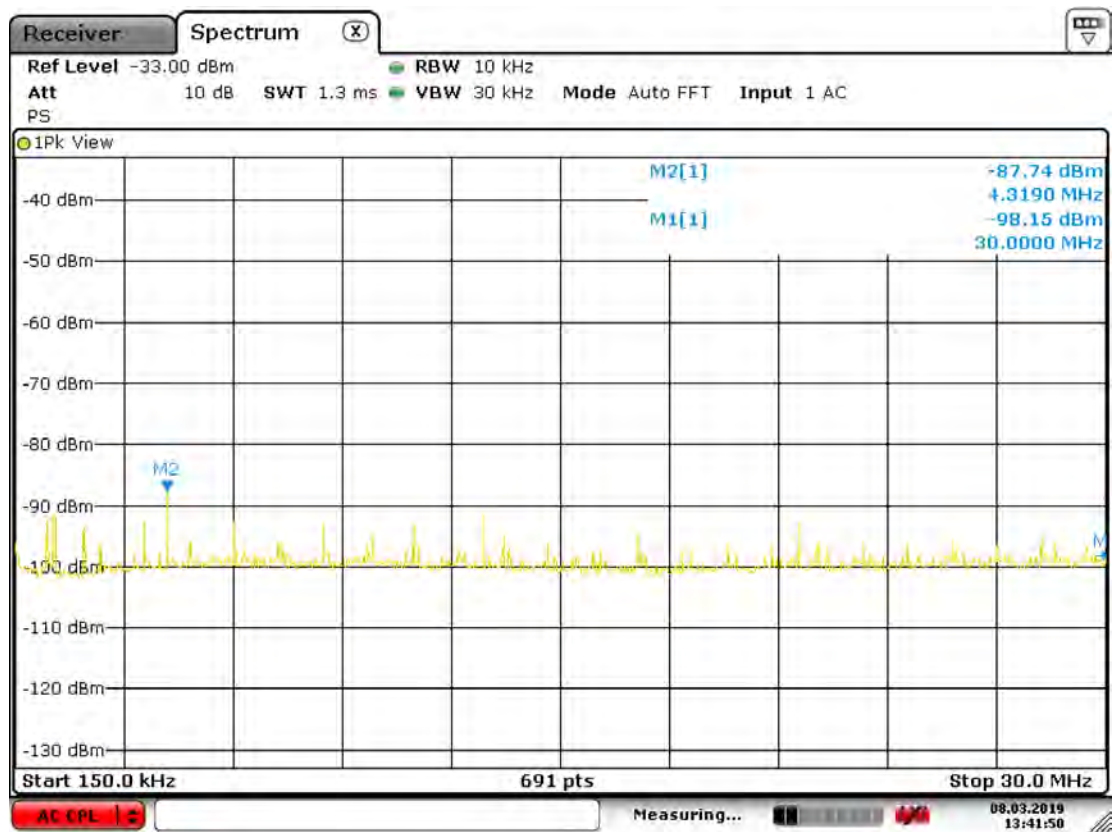
5.1 GHz, UNII1, 80M, High Channel: 0.009 MHz to 0.15 MHz



Date: 8.MAR 2019 13:42:54



5.1 GHz, UNII1, 80M, High Channel: 0.15 MHz to 30 MHz



Date: 8.MAR 2019 13:41:50



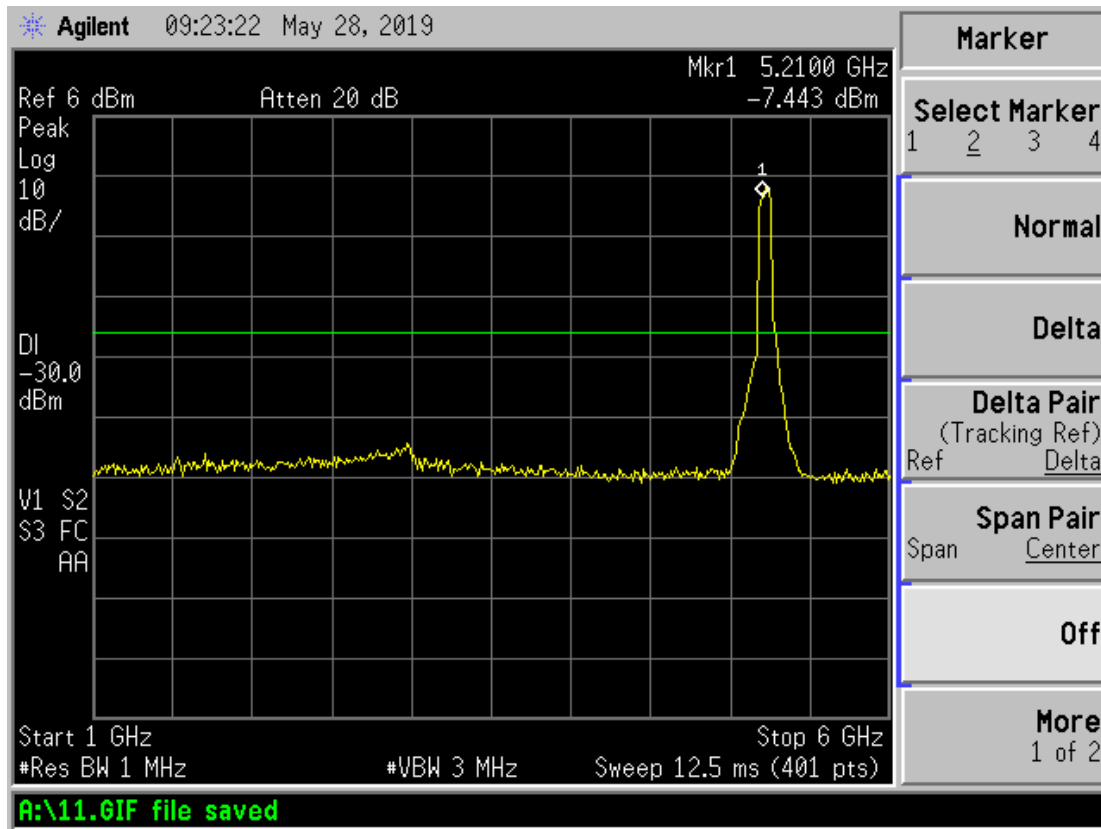
5.1 GHz, UNII1, 80M, High Channel: 30 MHz to 1000 MHz



Date: 8.MAR 2019 13:39:56

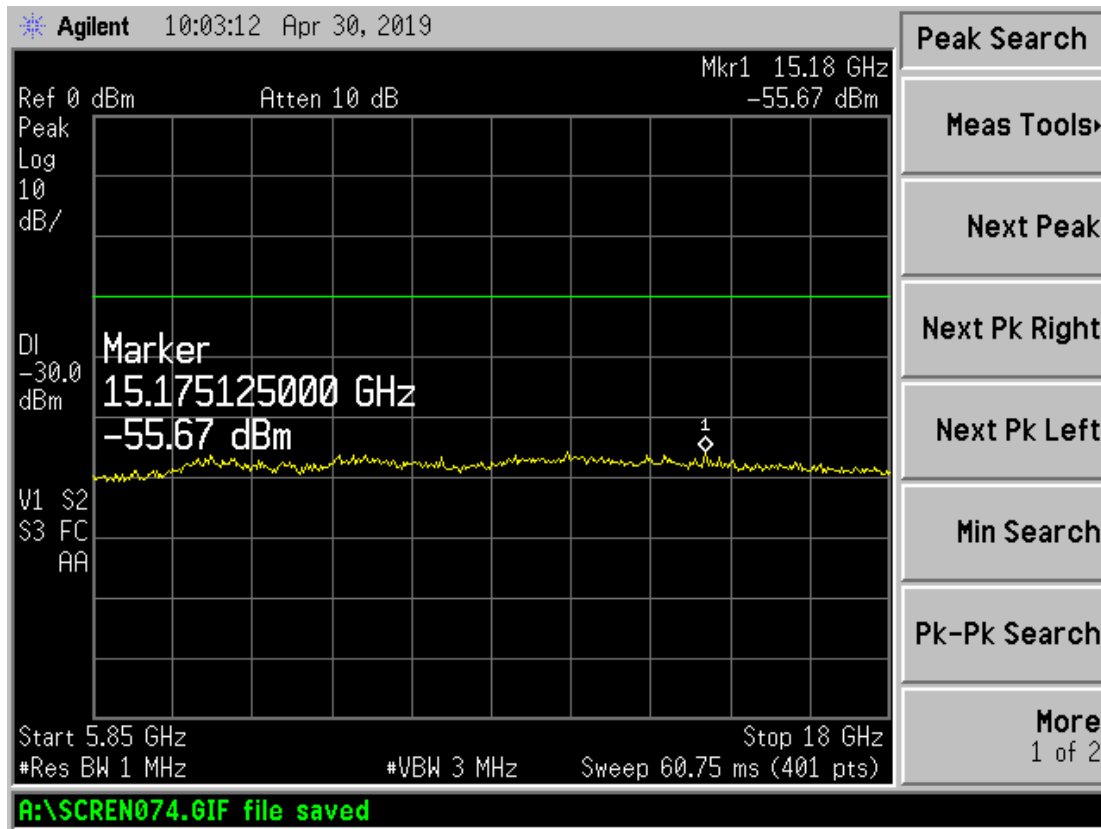


5.1 GHz, UNII1, 80M, High Channel: 1 GHz to 6 GHz



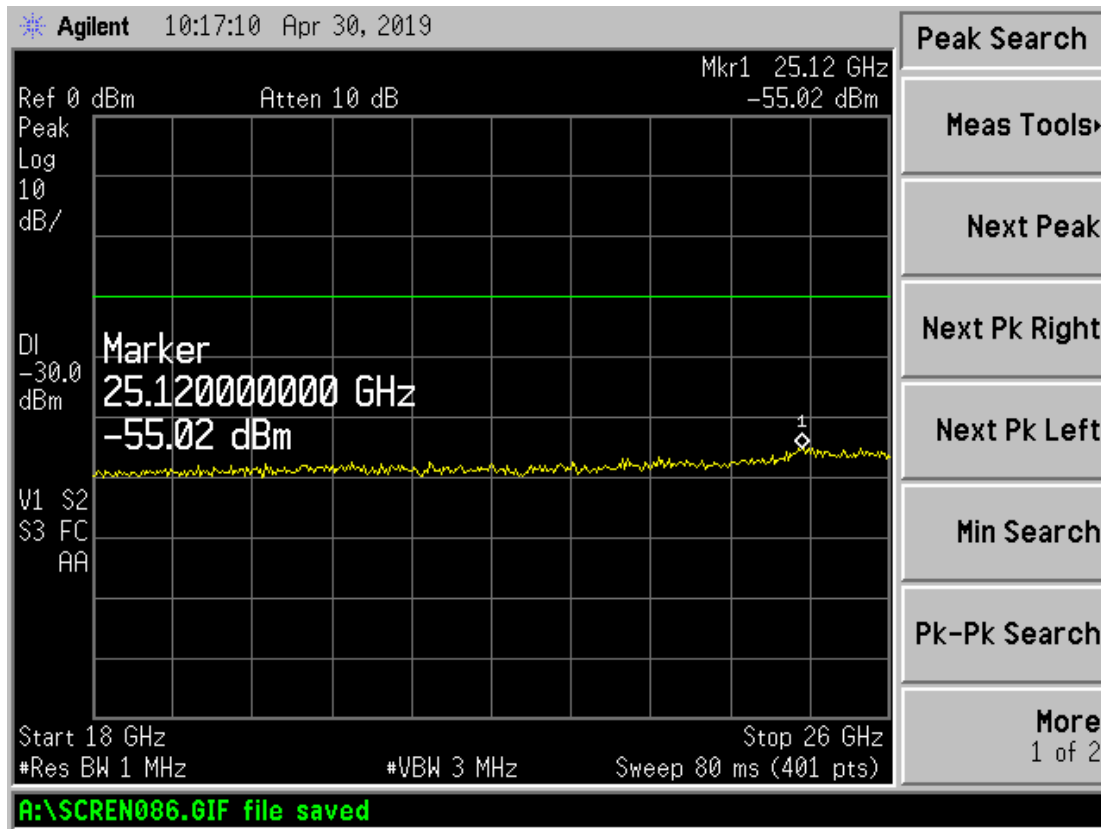


5.1 GHz, UNII1, 80M, High Channel: 5.85 GHz to 18 GHz



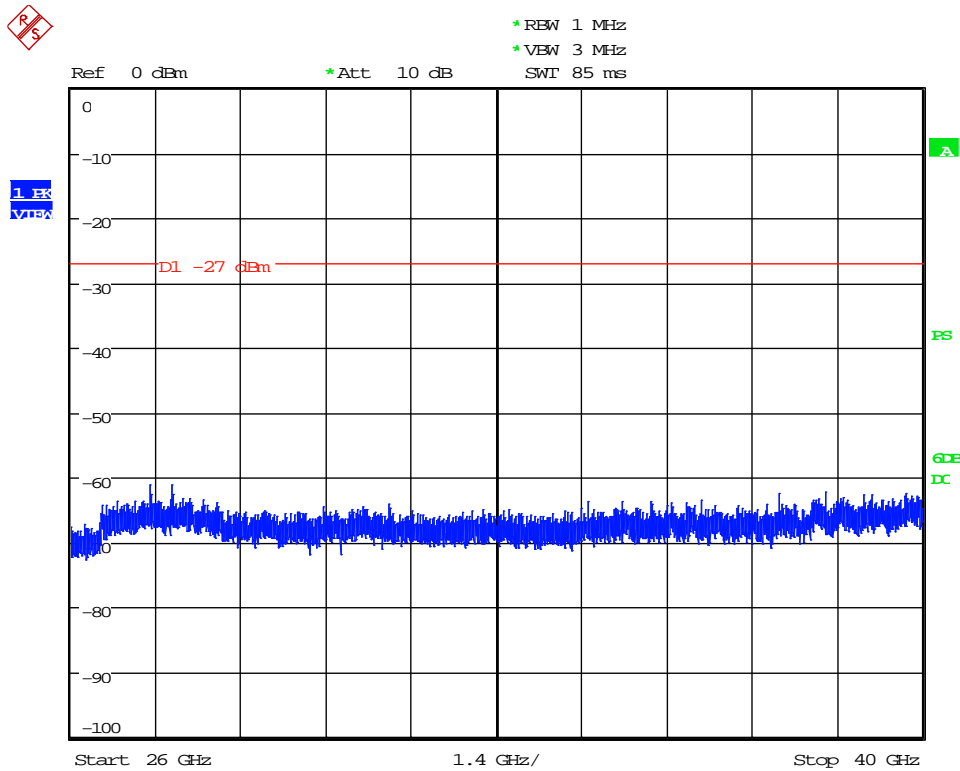


5.1 GHz, UNII1, 80M, High Channel: 18 GHz to 26 GHz





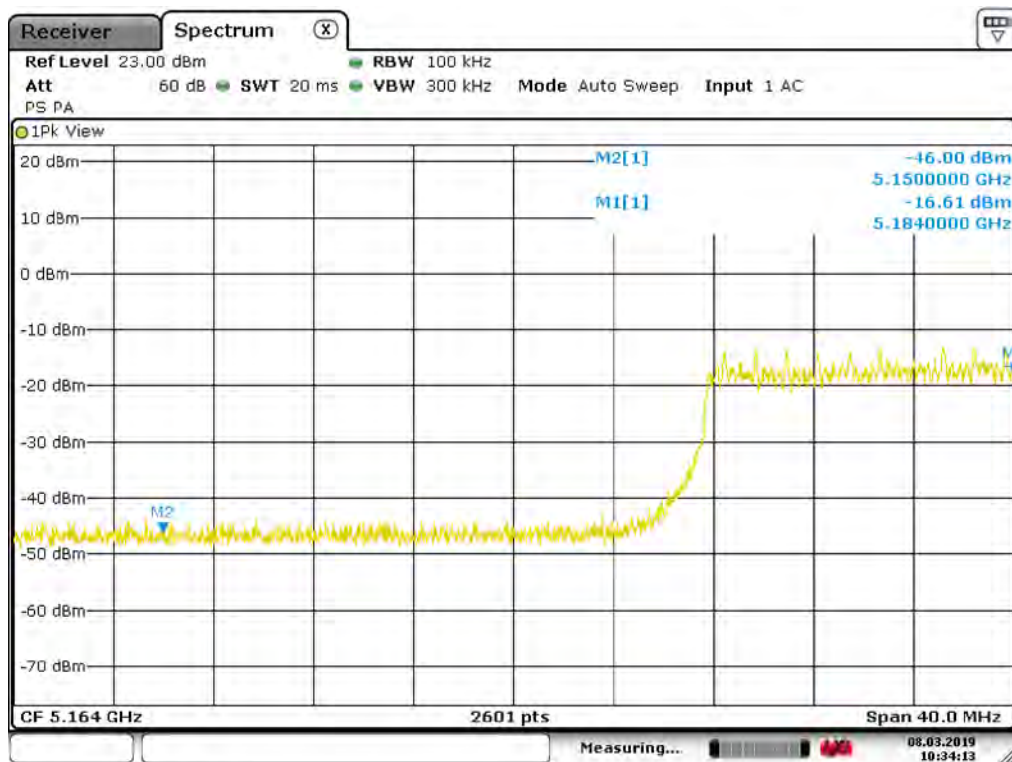
5.1 GHz, UNII1, 80M, High Channel: 26 GHz to 40 GHz



Date: 16.MAY.2019 13:03:45



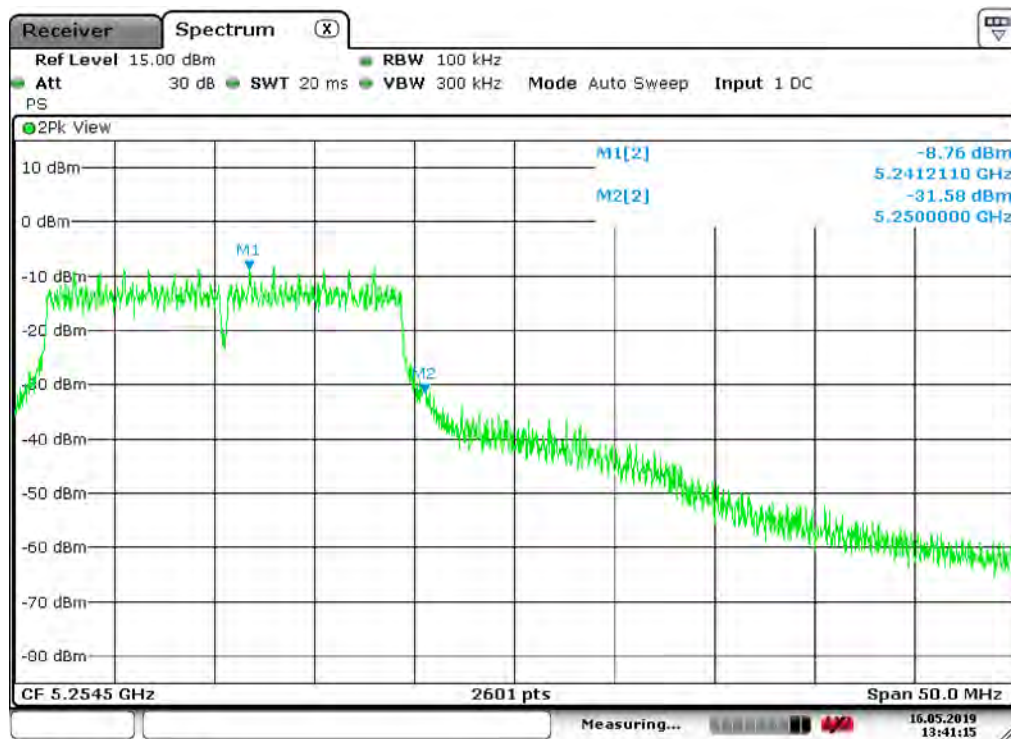
5.1 GHz, UNII1, N20M: Low Band Edge



Date: 8.MAR.2019 10:34:13



5.1 GHz, UNII1, N20M: High Band Edge

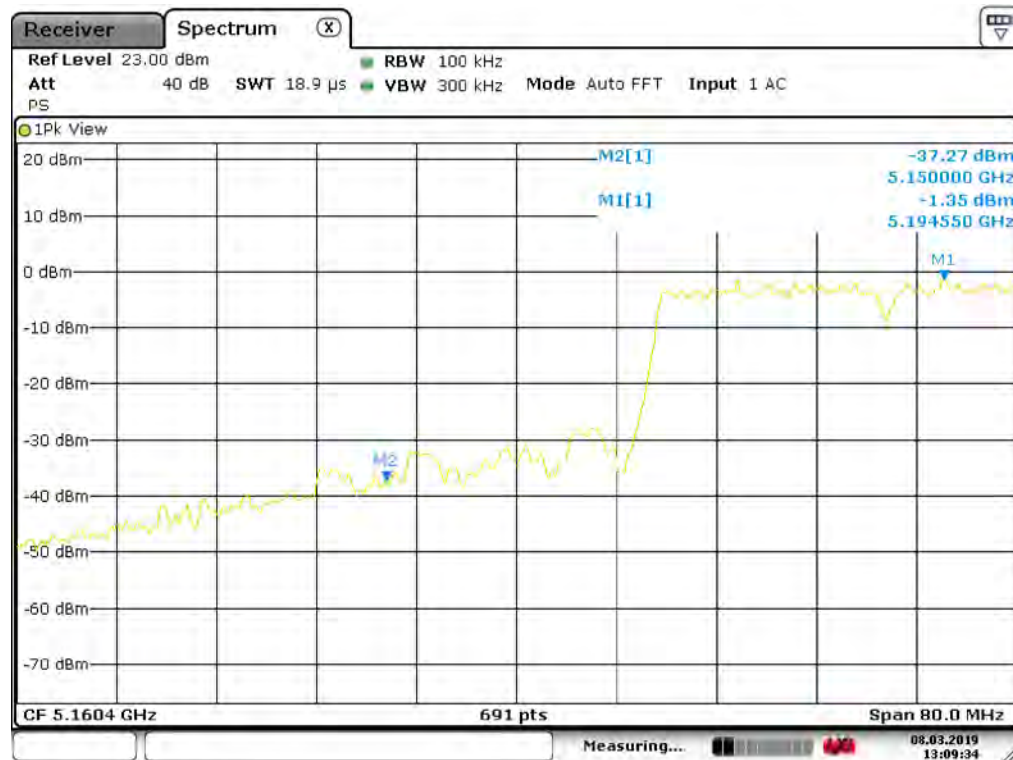


Date: 16.MAY.2019 13:41:15

	Measurement	Limit
20 MHz, Lower Band Edge	-46.00dBm/MHz	-27dBm/MHz
20 MHz ,Upper Band Edge	-31.58dBm/MHz	-27dBm/MHz



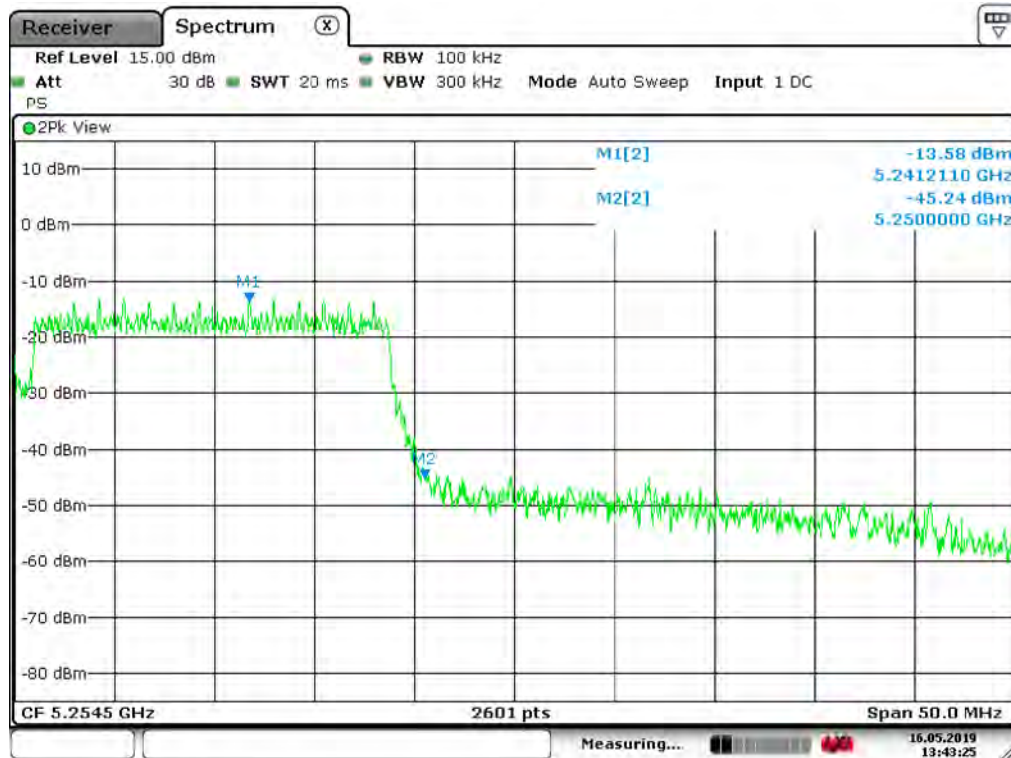
5.1 GHz, UNII1, N40M: Low Band Edge



Date: 8.MAR.2019 13:09:34



5.1 GHz, UNII1, N40M: High Band Edge

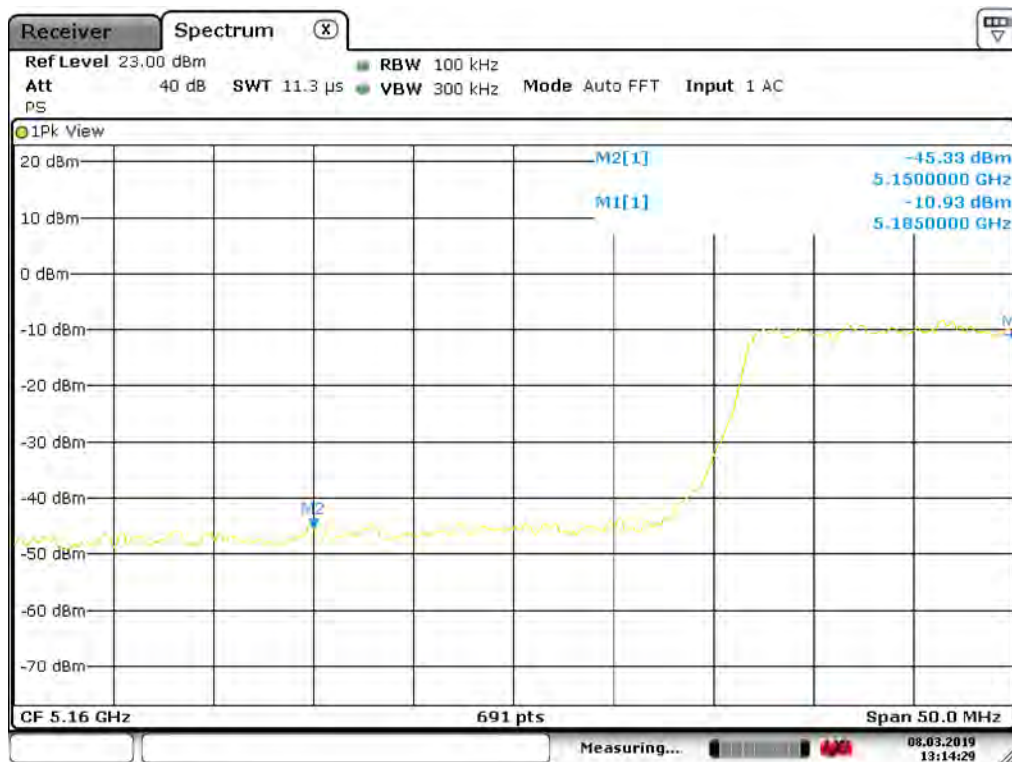


Date: 16 MAY 2019 13:43:25

	Measurement	Limit
40 MHz, Lower Band Edge	-37.27dBm/MHz	-27dBm/MHz
40 MHz, Upper Band Edge	-45.24dBm/MHz	-27dBm/MHz



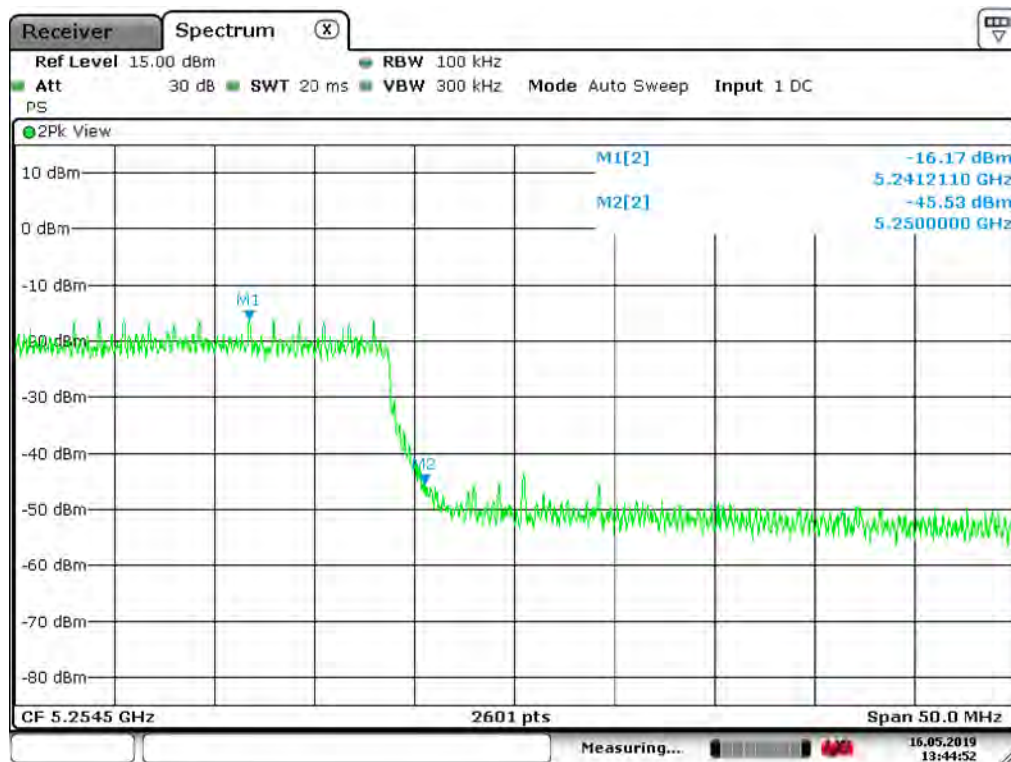
5.1 GHz, UNII1, 80M: Low Band Edge



Date: 8.MAR.2019 13:14:28



5.1 GHz, UNII1, 80M: High Band Edge

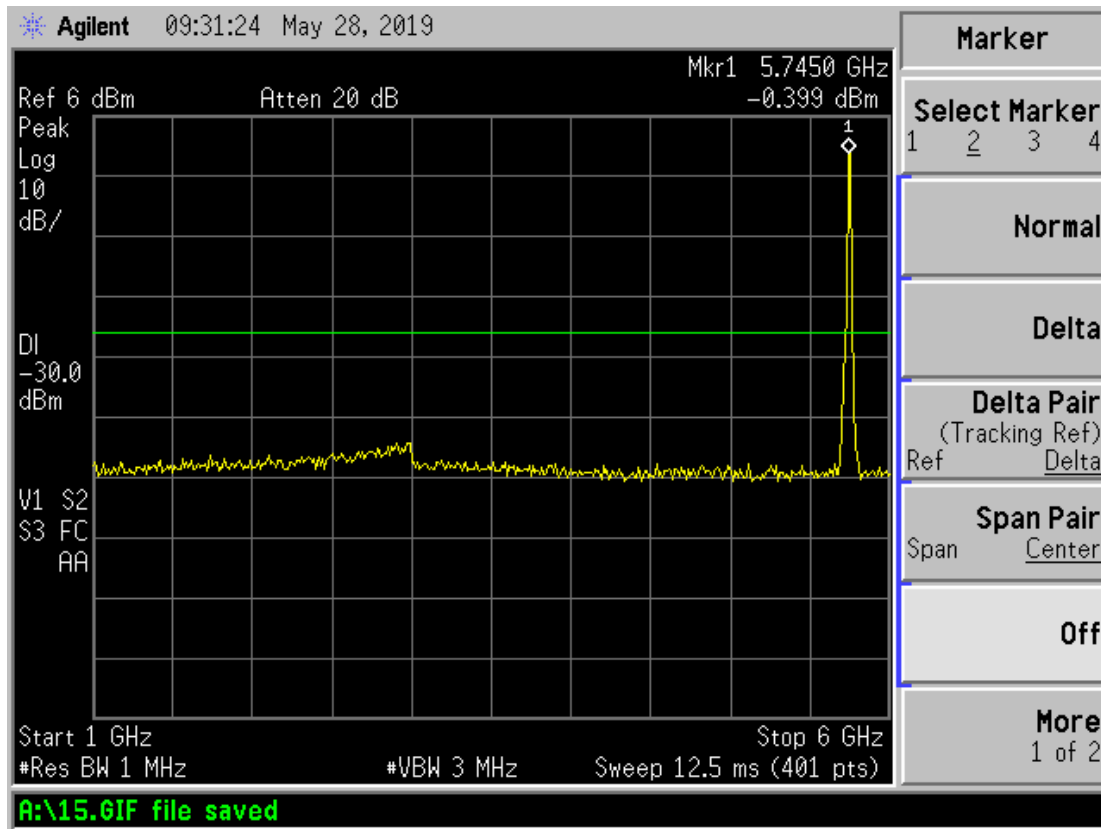


Date: 16.MAY.2019 13:44:52

	Measurement	Limit
80 MHz, Lower Band Edge	-45.33dBm/MHz	-27dBm/MHz
80 MHz, Upper Band Edge	-45.53dBm/MHz	-27dBm/MHz

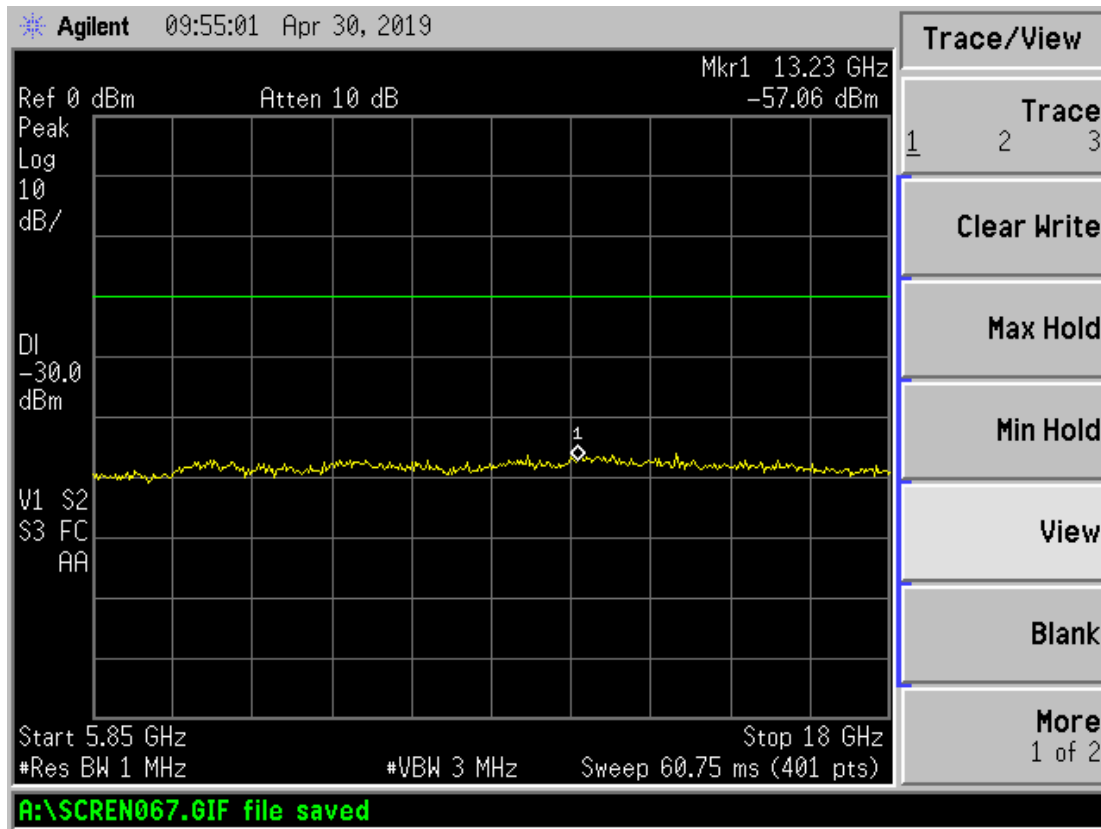


5.7 GHz, UNII3, N20, Low Channel: 1 GHz to 6 GHz



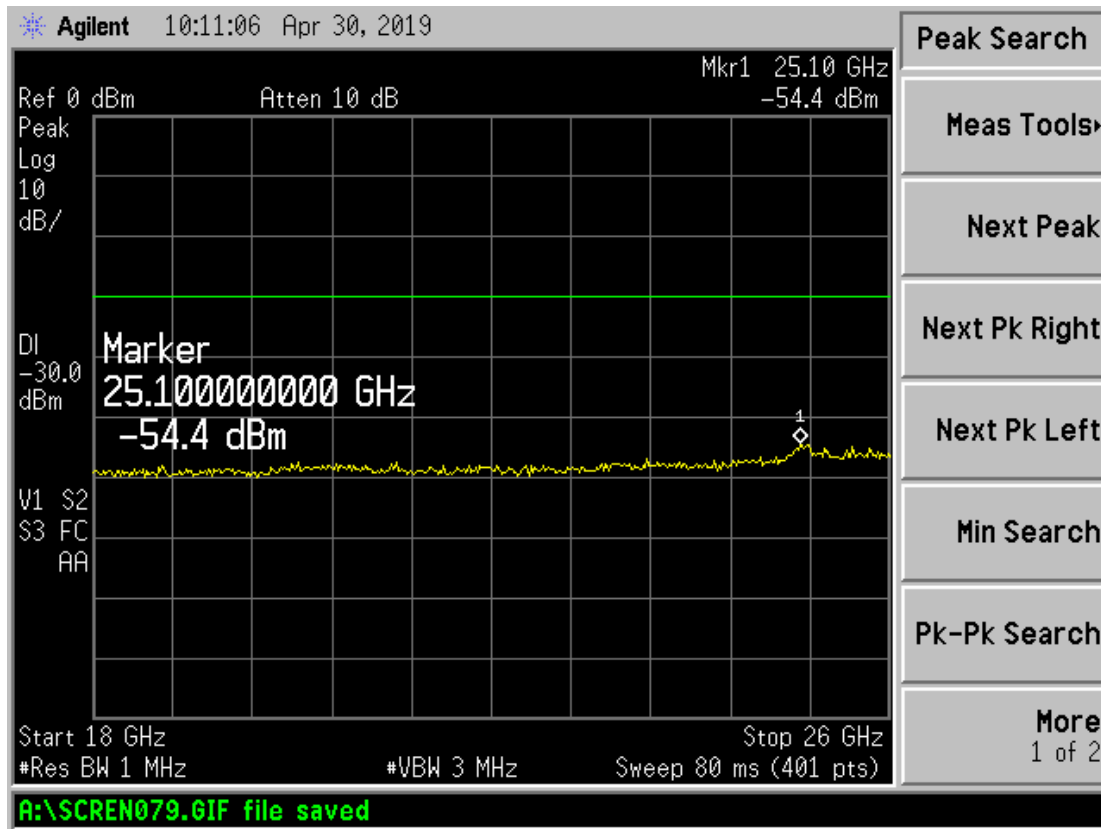


5.7 GHz, UNII3, N20, Low Channel: 5.85 GHz to 18 GHz



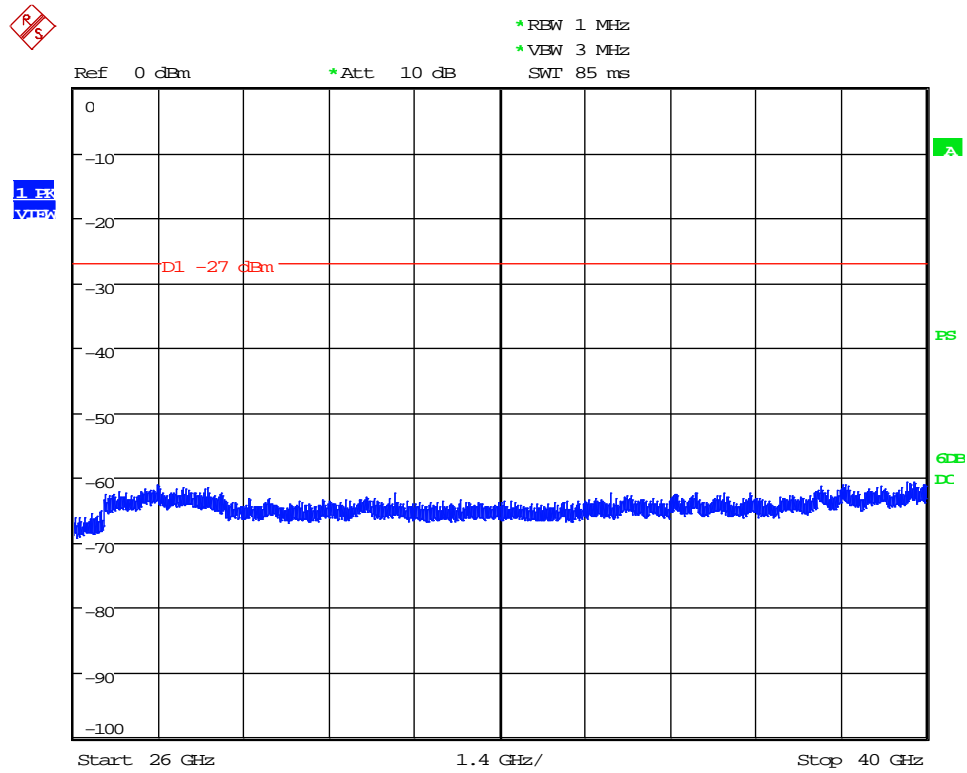


5.7 GHz, UNII3, N20, Low Channel: 18 GHz to 26 GHz





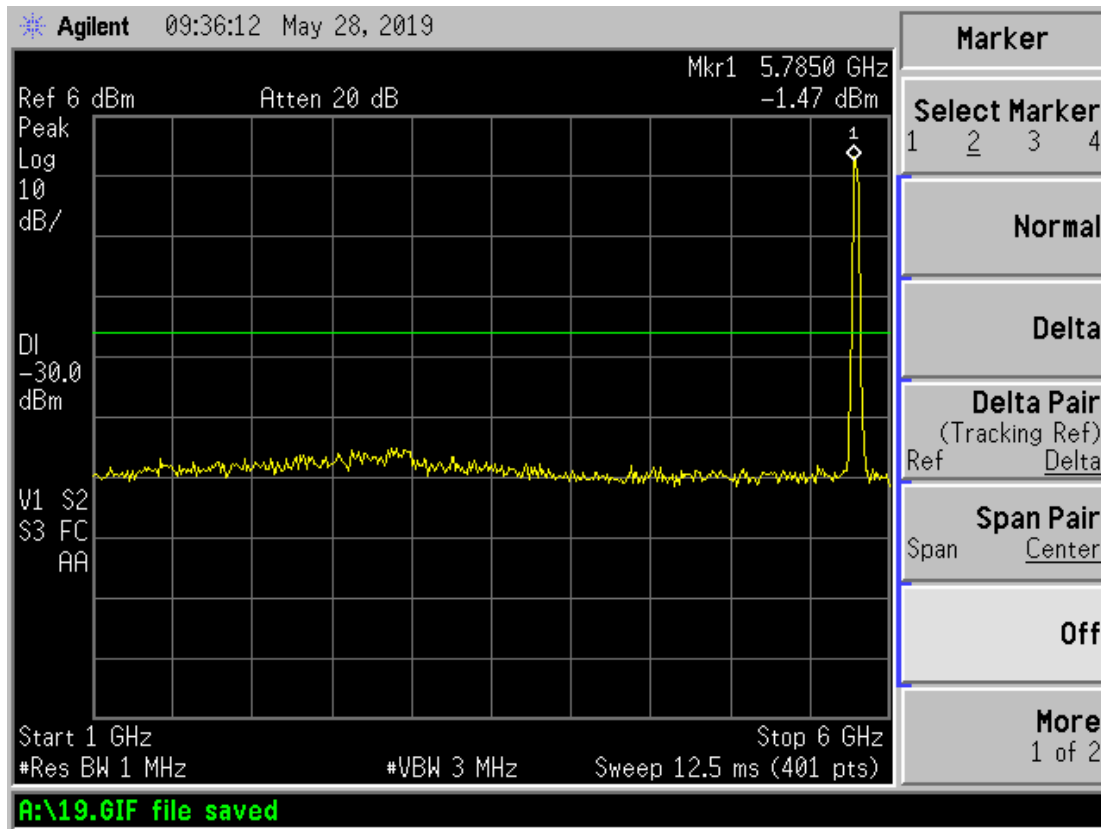
5.7 GHz, UNII3, N20, Low Channel: 26 GHz to 40 GHz



Date: 16.MAY.2019 13:00:20

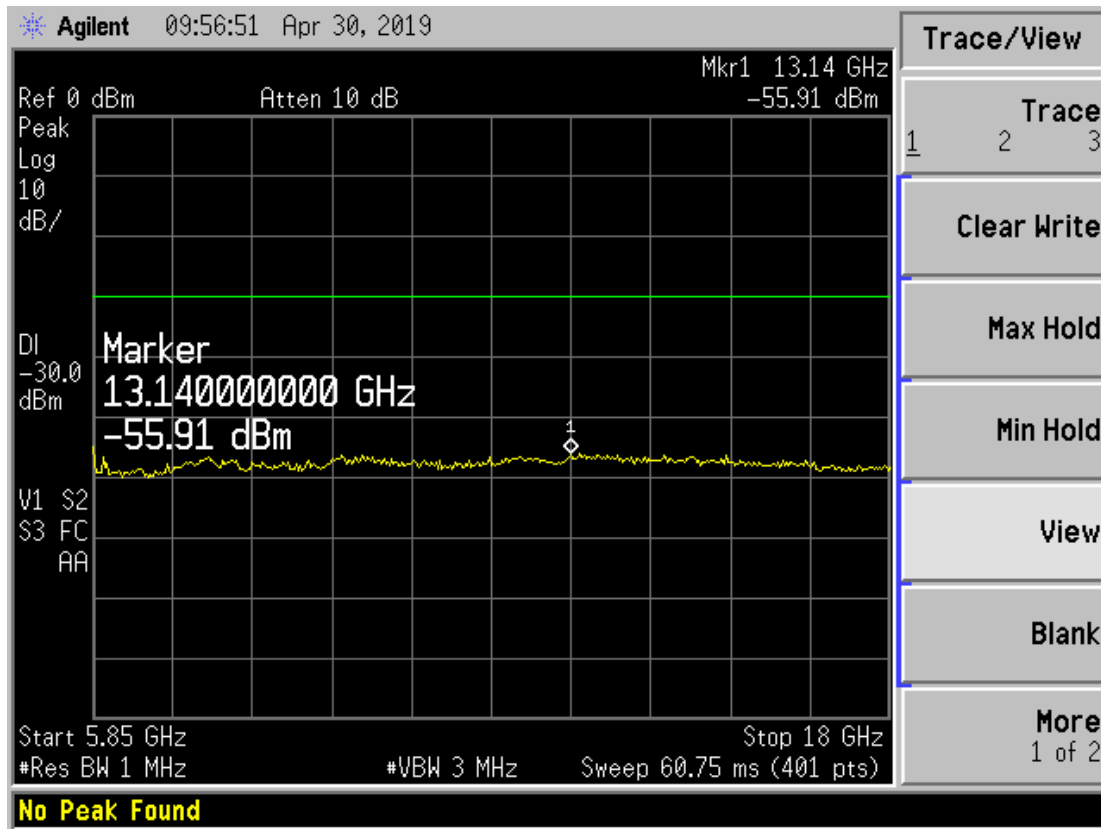


5.7 GHz, UNII3, N20, Mid Channel: 1 GHz to 6 GHz



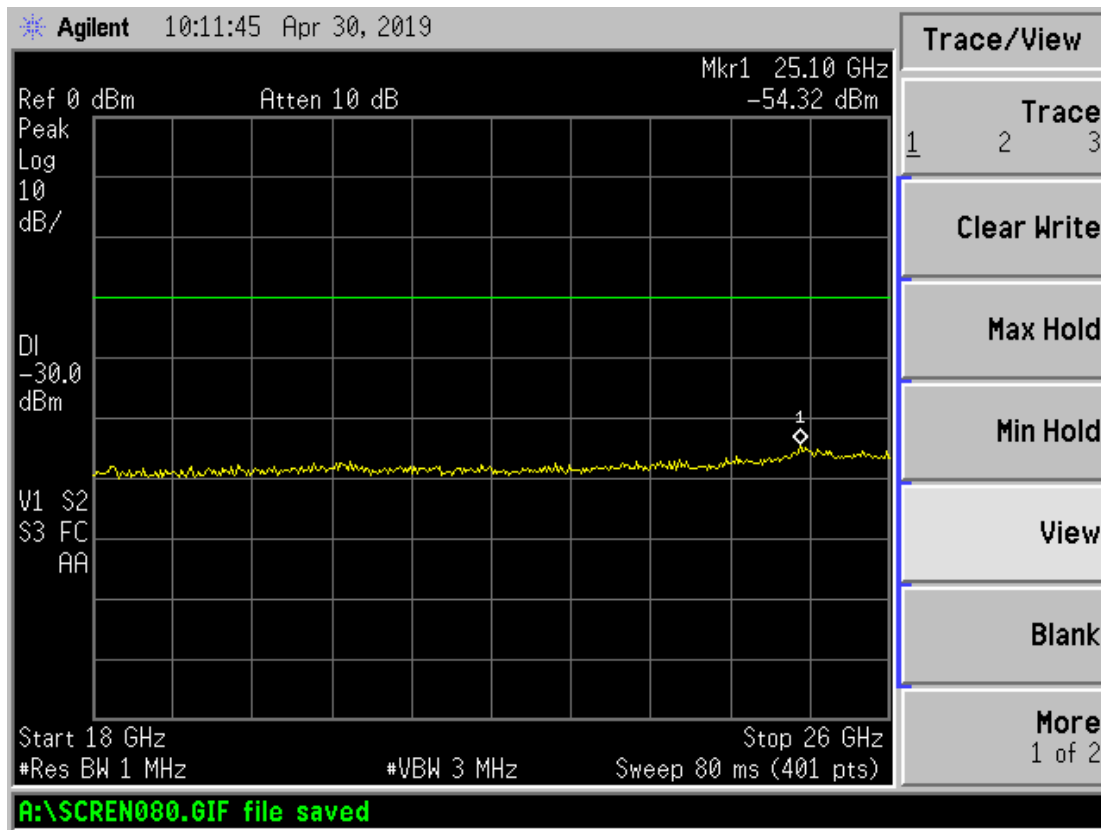


5.7 GHz, UNII3, N20, Mid Channel: 5.85 GHz to 18 GHz



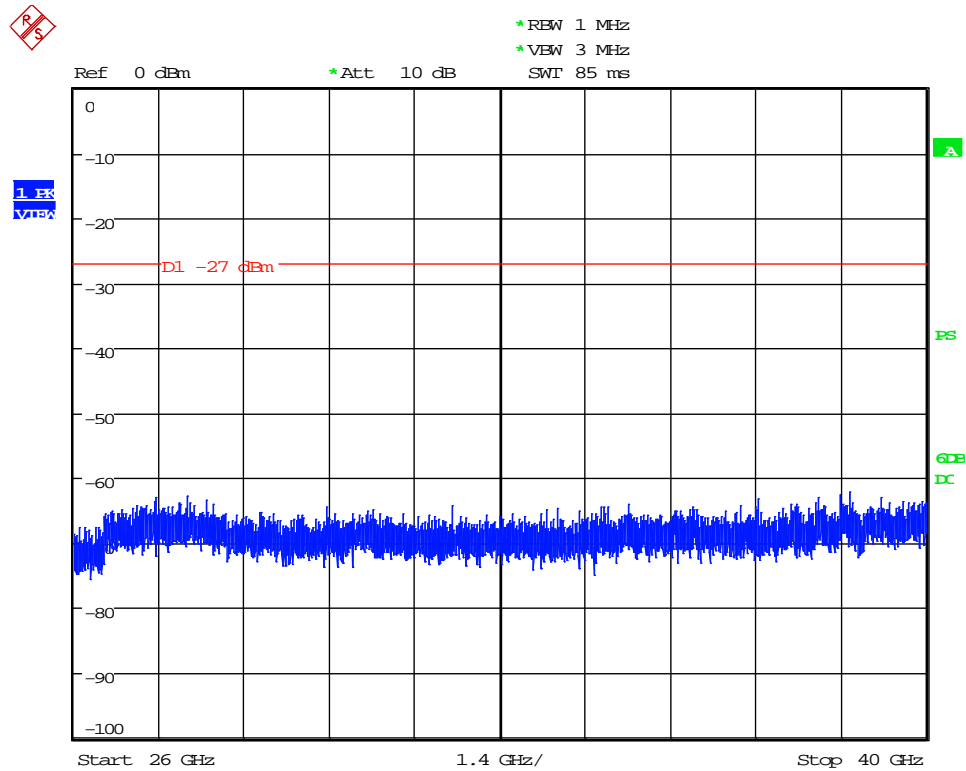


5.7 GHz, UNII3, N20, Mid Channel: 18 GHz to 26 GHz





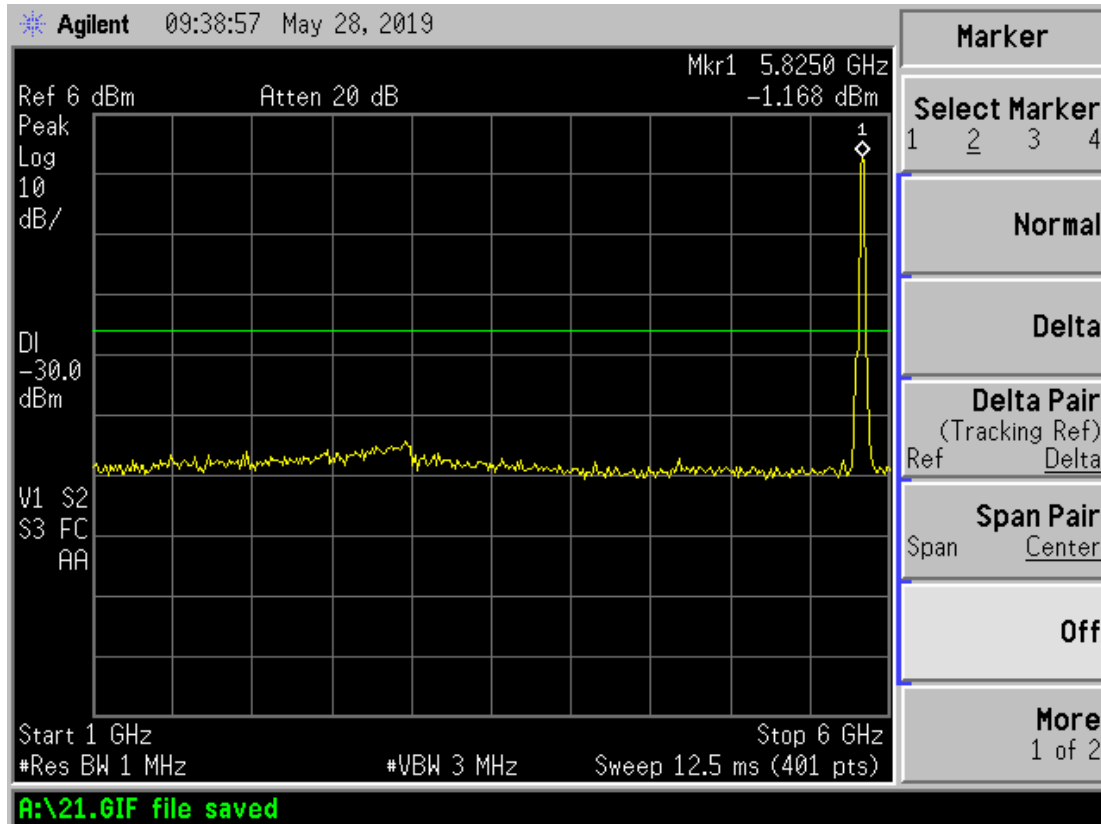
5.7 GHz, UNII3, N20, Mid Channel: 26 GHz to 40 GHz



Date: 16.MAY.2019 13:01:13

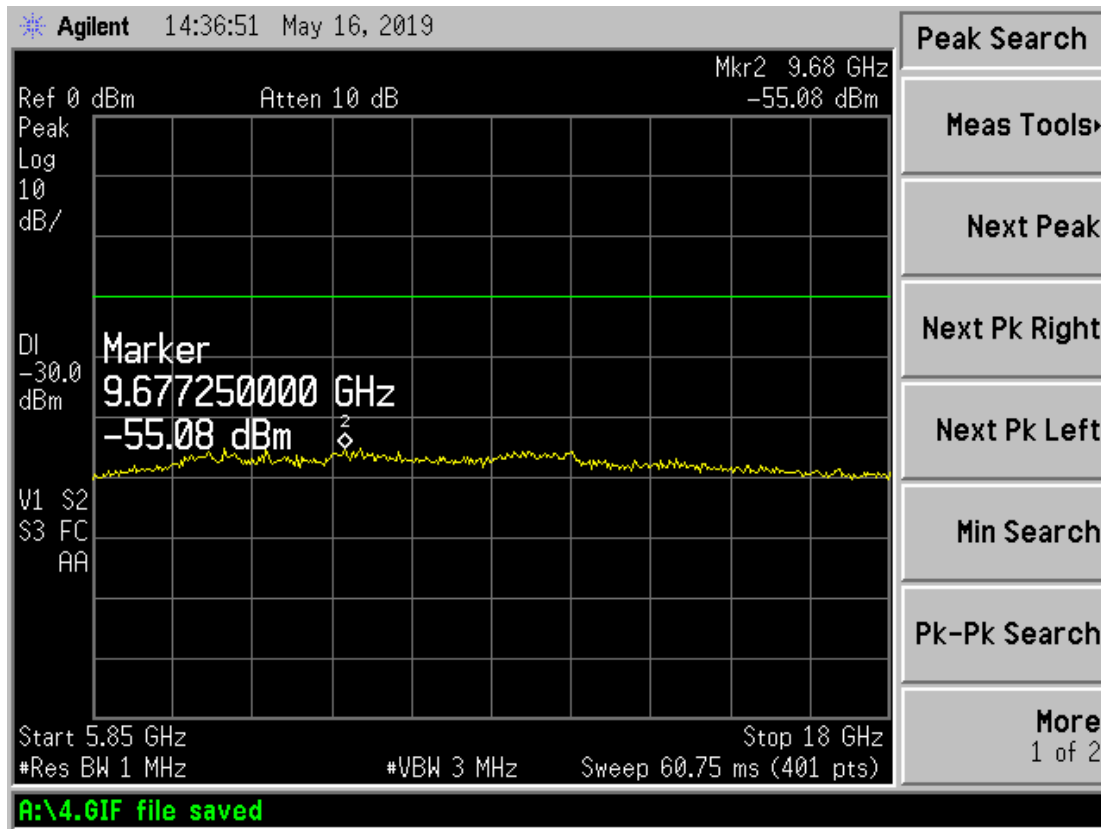


5.7 GHz, UNII3, N20, High Channel: 1 GHz to 6 GHz



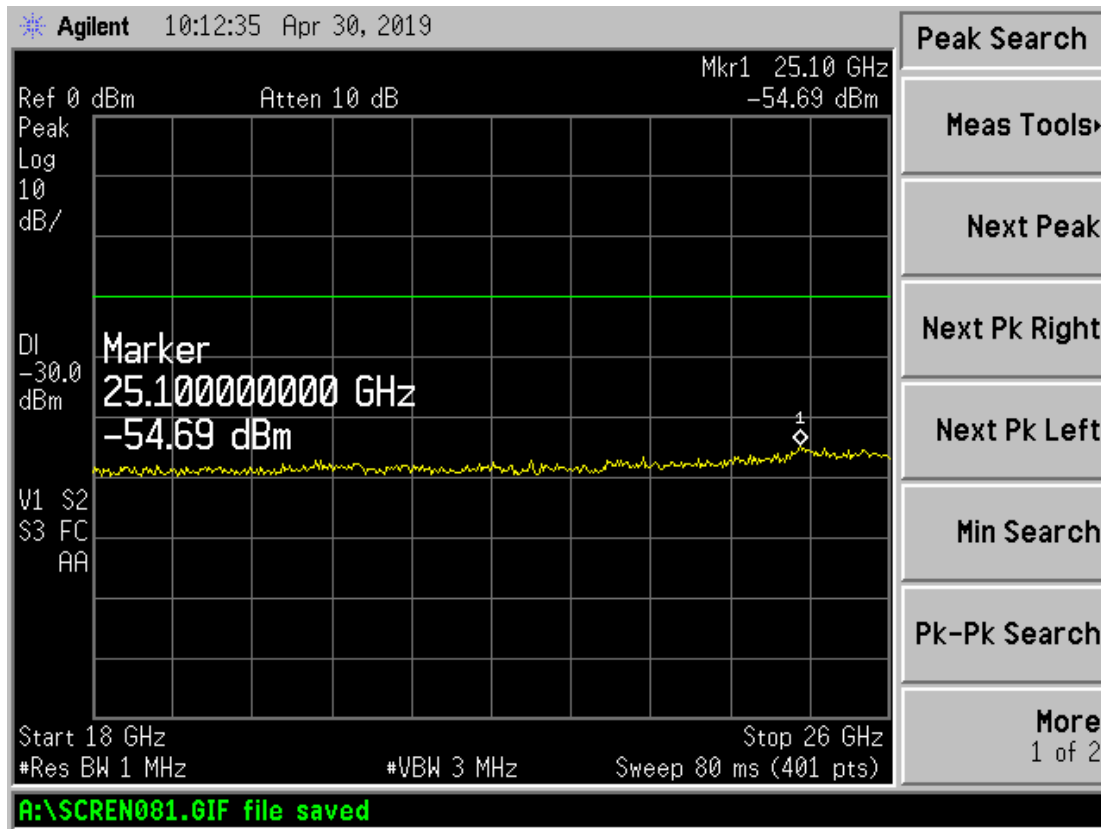


5.7 GHz, UNII3, N20, High Channel: 5.85 GHz to 18 GHz



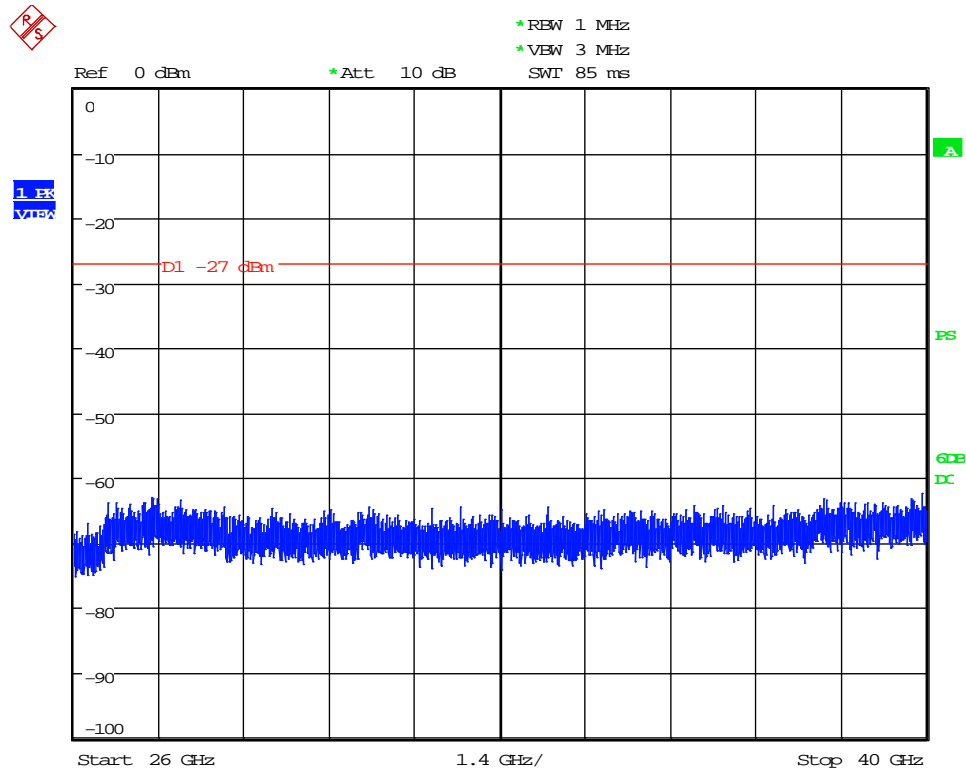


5.7 GHz, UNII3, N20, High Channel: 18 GHz to 26 GHz





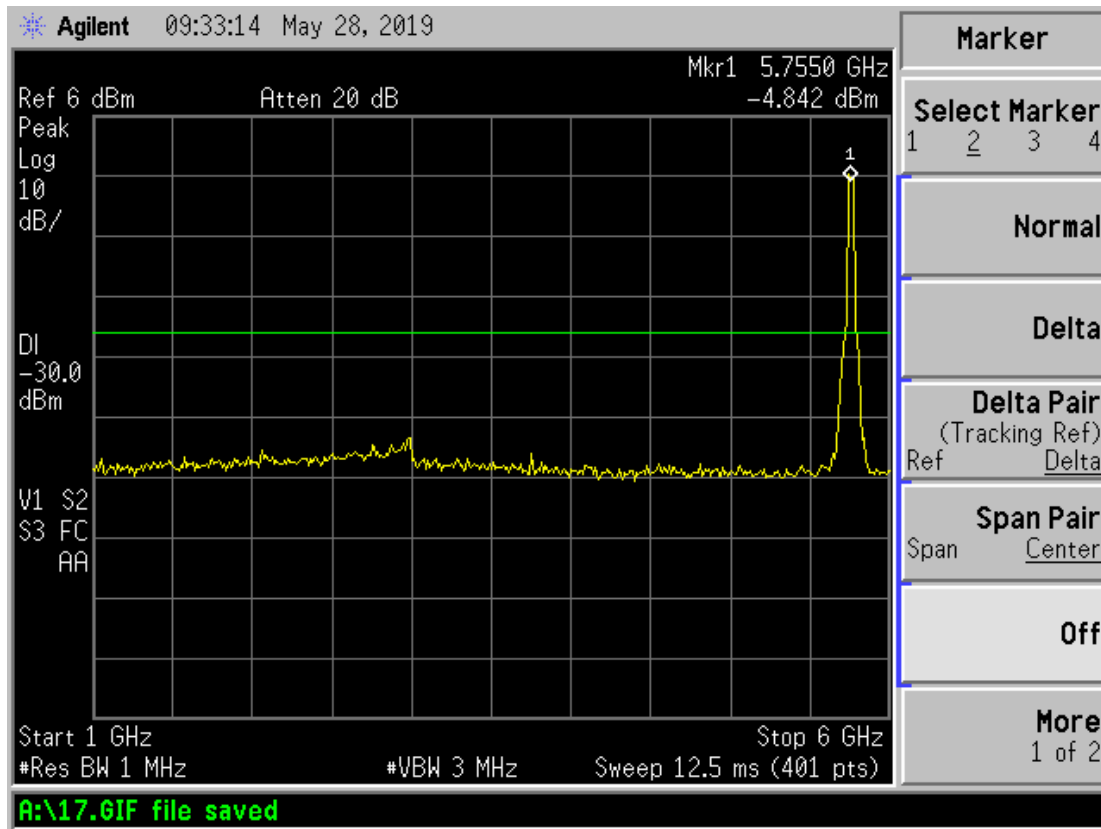
5.7 GHz, UNII3, N20, High Channel: 26 GHz to 40 GHz



Date: 16.MAY.2019 13:02:16

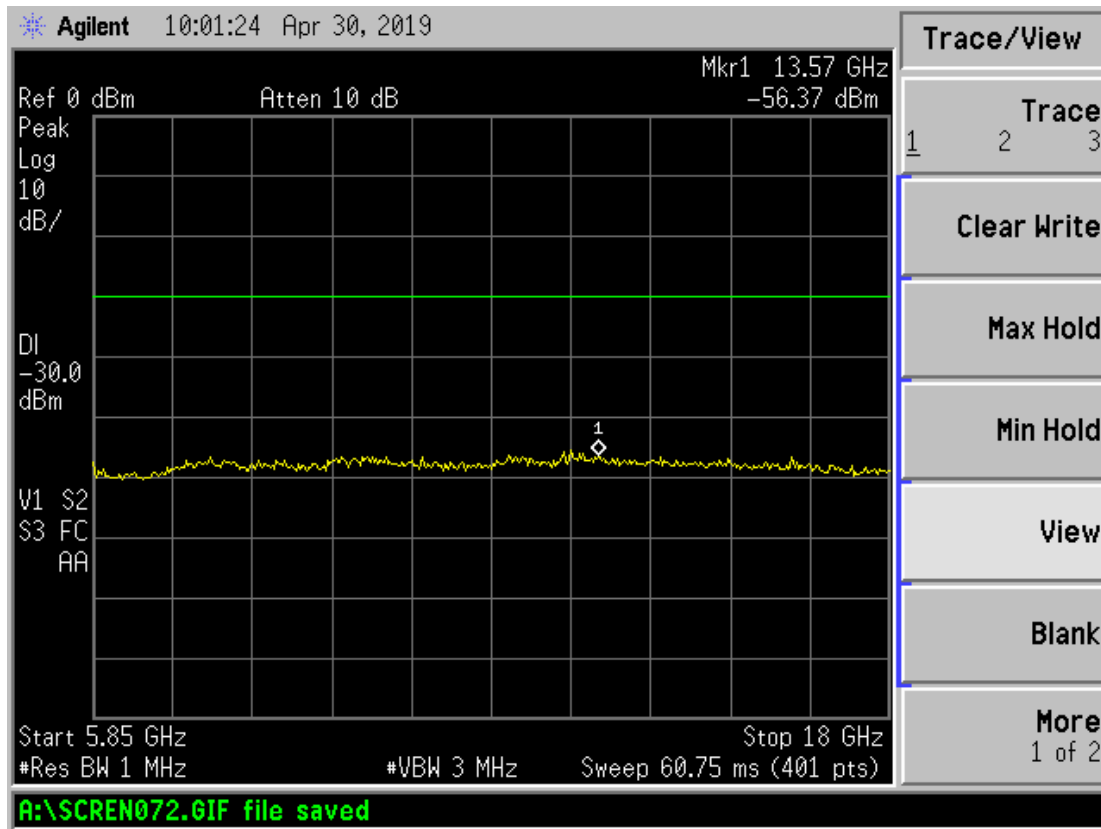


5.7 GHz, UNII3, N40, Low Channel: 1 GHz to 6 GHz



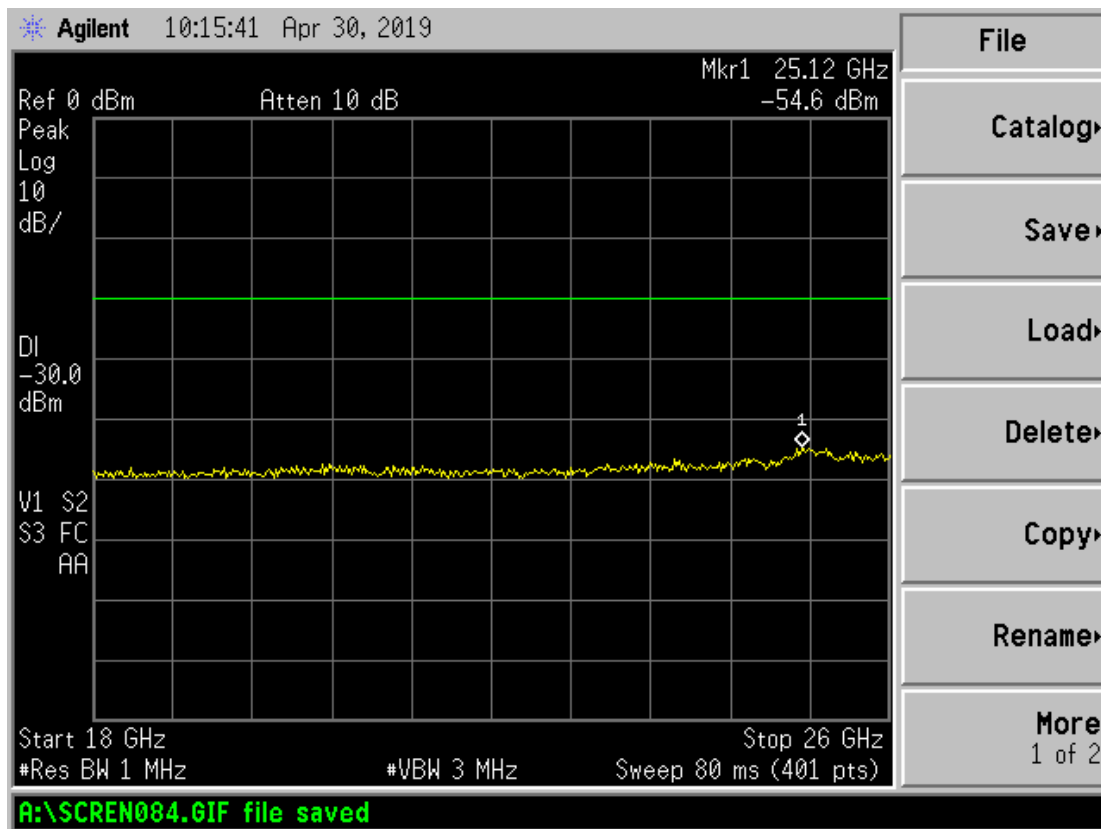


5.7 GHz, UNII3, N40, Low Channel: 5.85 GHz to 18 GHz



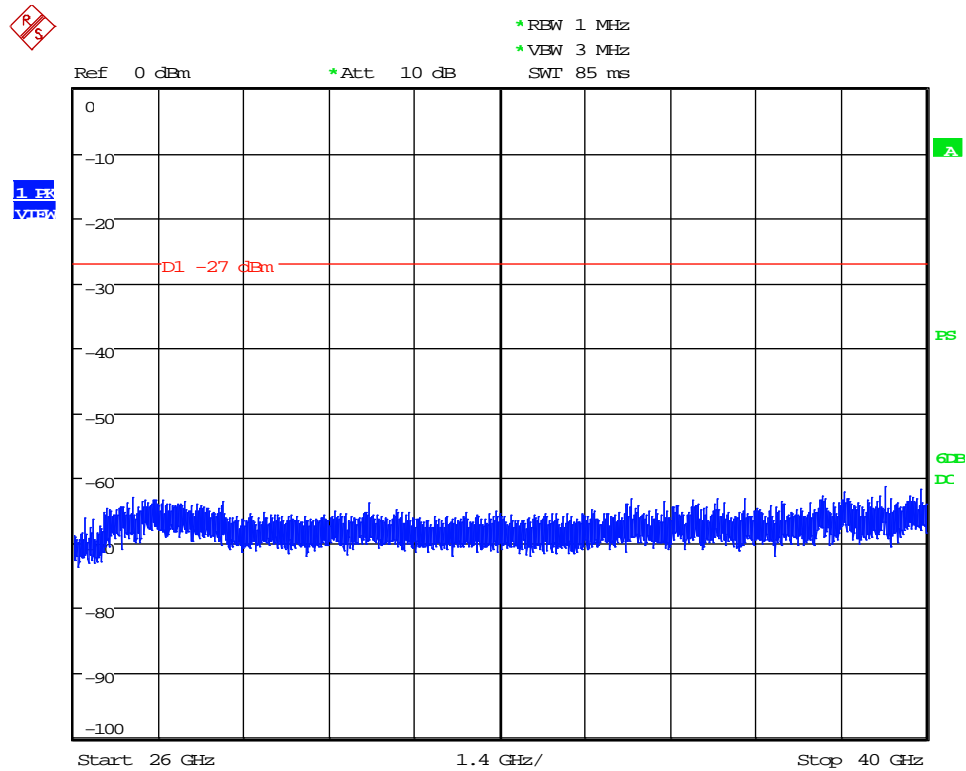


5.7 GHz, UNII3, N40, Low Channel: 18 GHz to 26 GHz





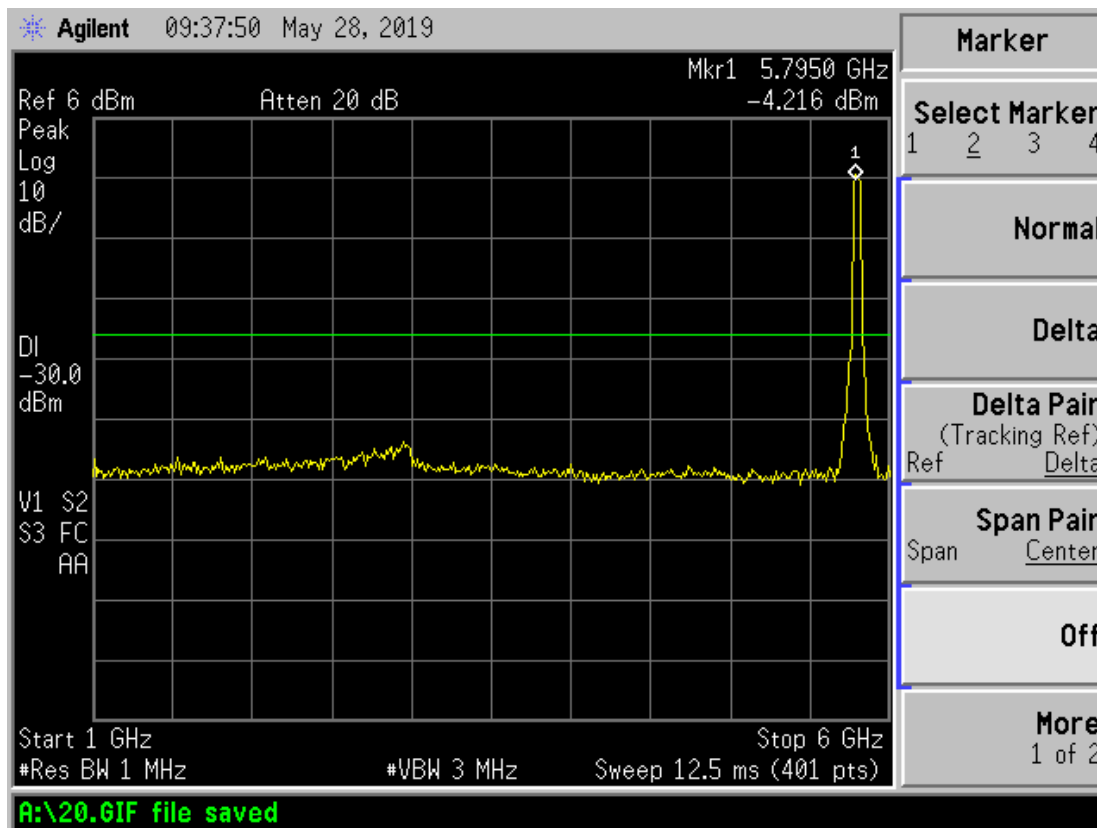
5.7 GHz, UNII3, N40, Low Channel: 26 GHz to 40 GHz



Date: 16.MAY.2019 13:01:56

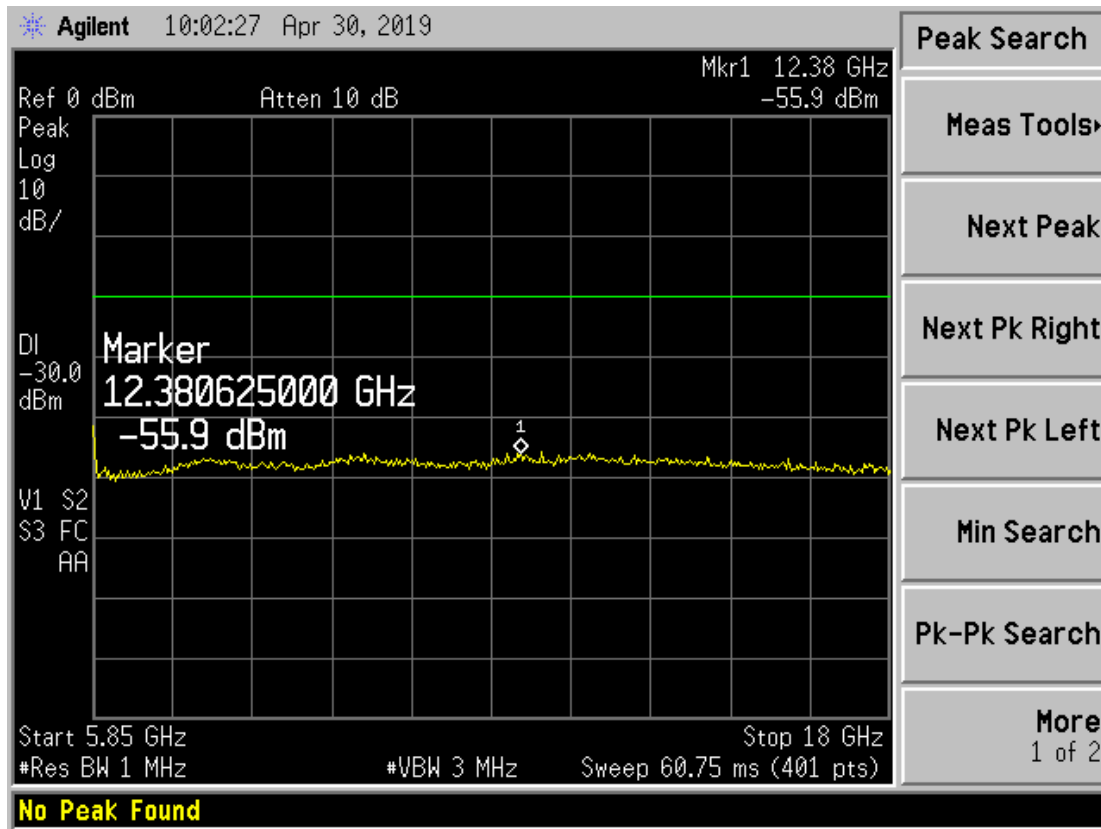


5.7 GHz, UNII3, N40, High Channel: 1 GHz to 6 GHz



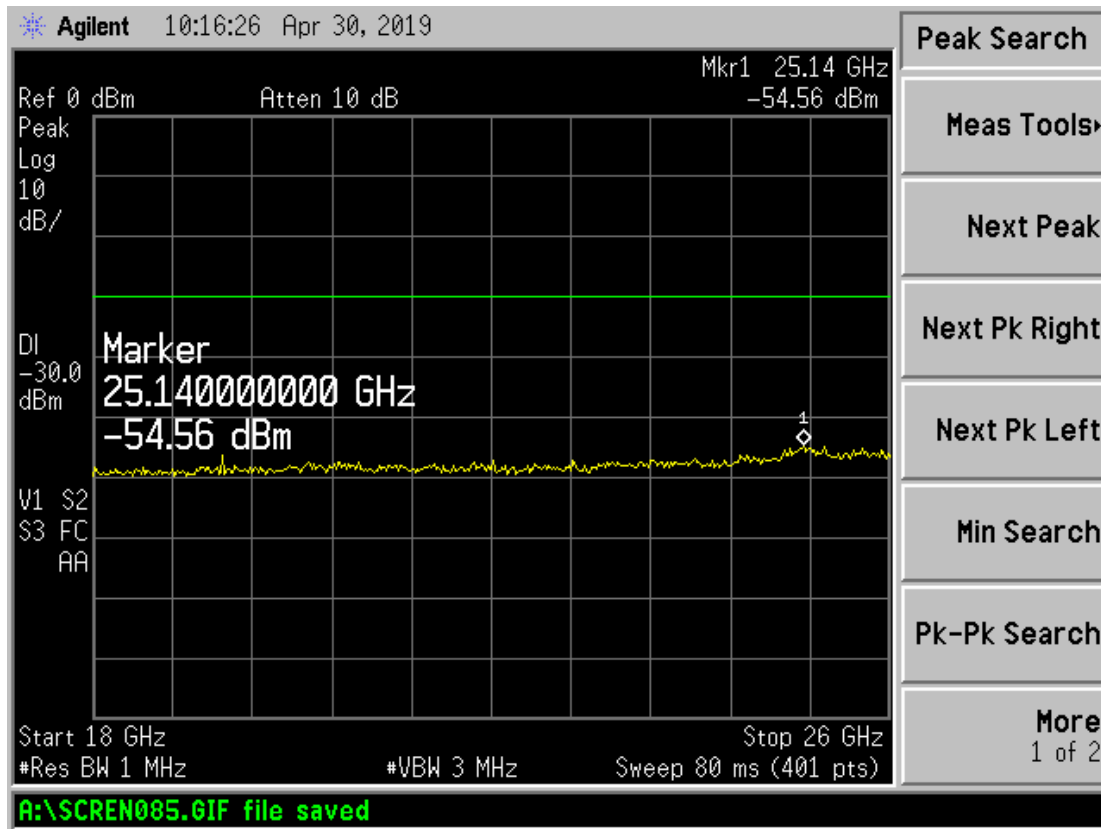


5.7 GHz, UNII3, N40, High Channel: 5.85 GHz to 18 GHz



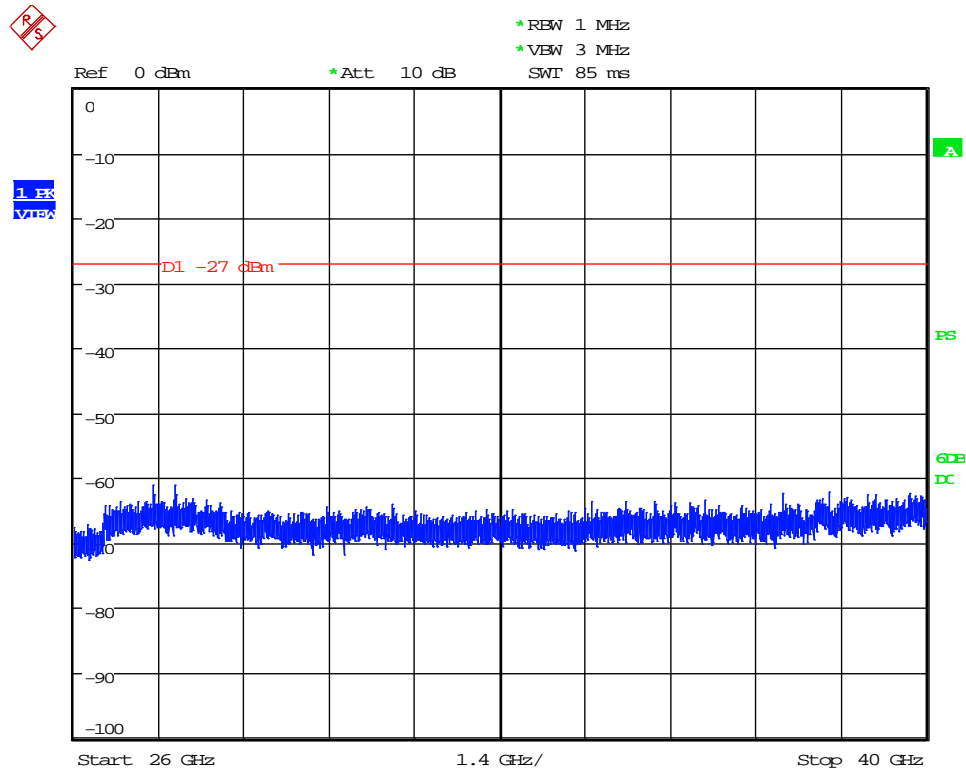


5.7 GHz, UNII3, N40, High Channel: 18 GHz to 26 GHz





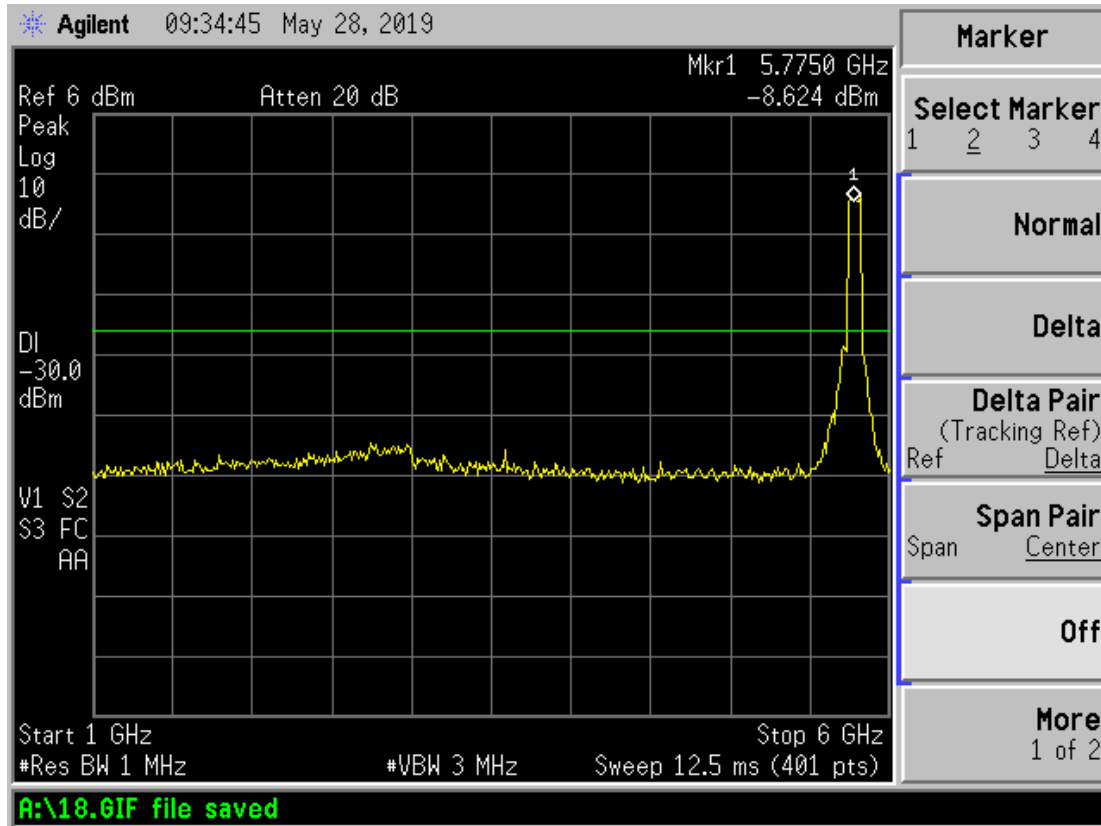
5.7 GHz, UNII3, N40, High Channel: 26 GHz to 40 GHz



Date: 16.MAY.2019 13:03:45

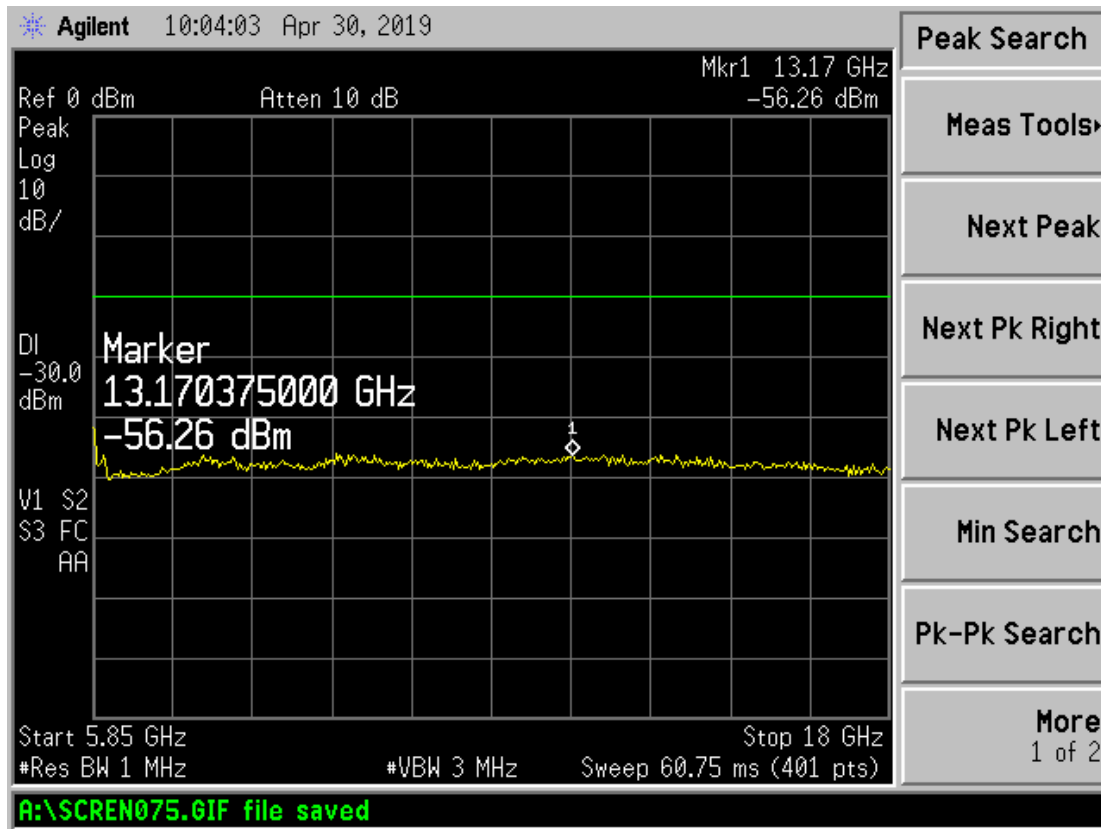


5.7 GHz, UNII3, 80: 1 GHz to 6 GHz



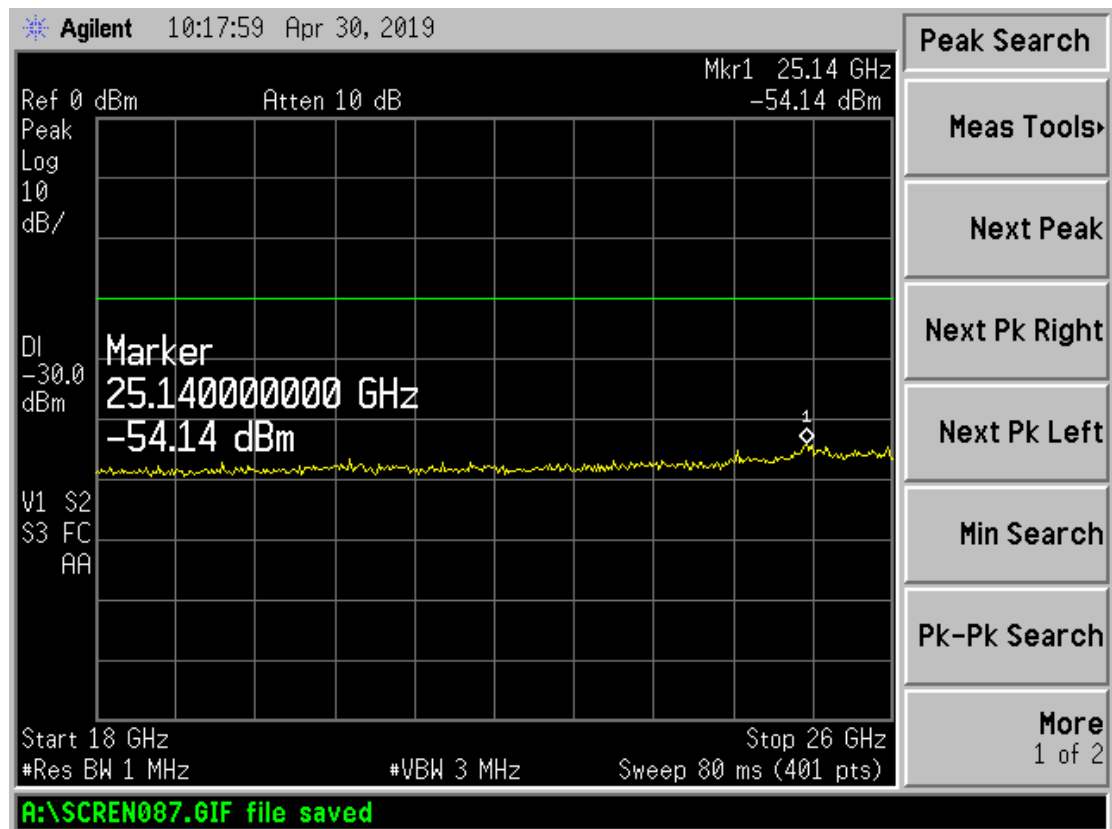


5.7 GHz, UNII3, 80: 5.85 GHz to 18 GHz



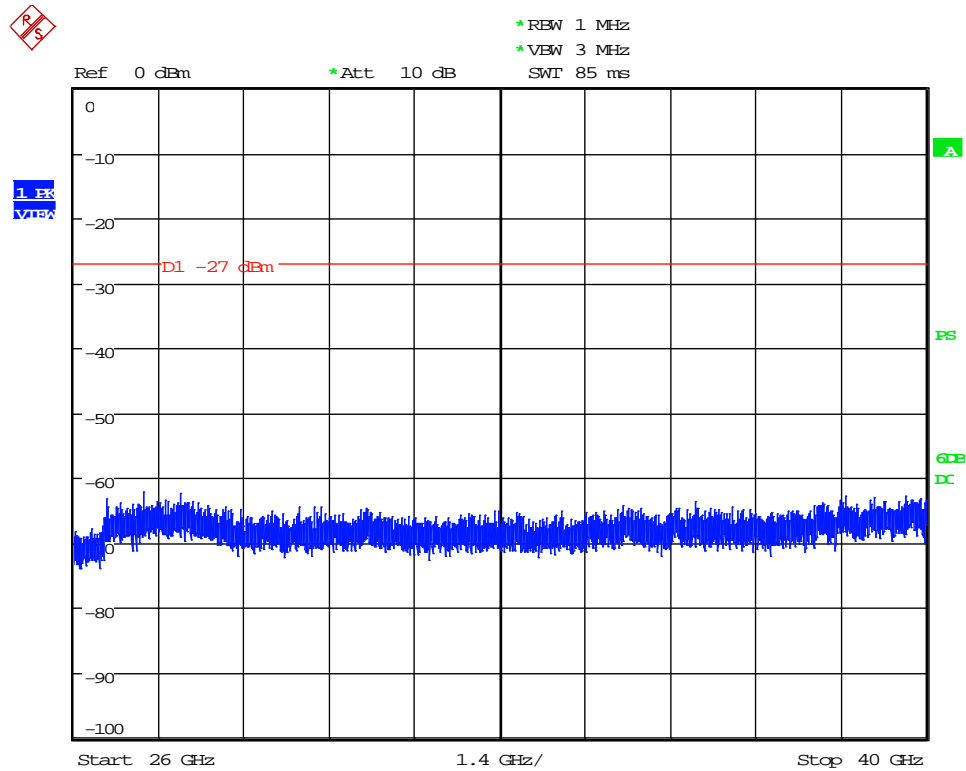


5.7 GHz, UNII3, 80: 18 GHz to 26 GHz





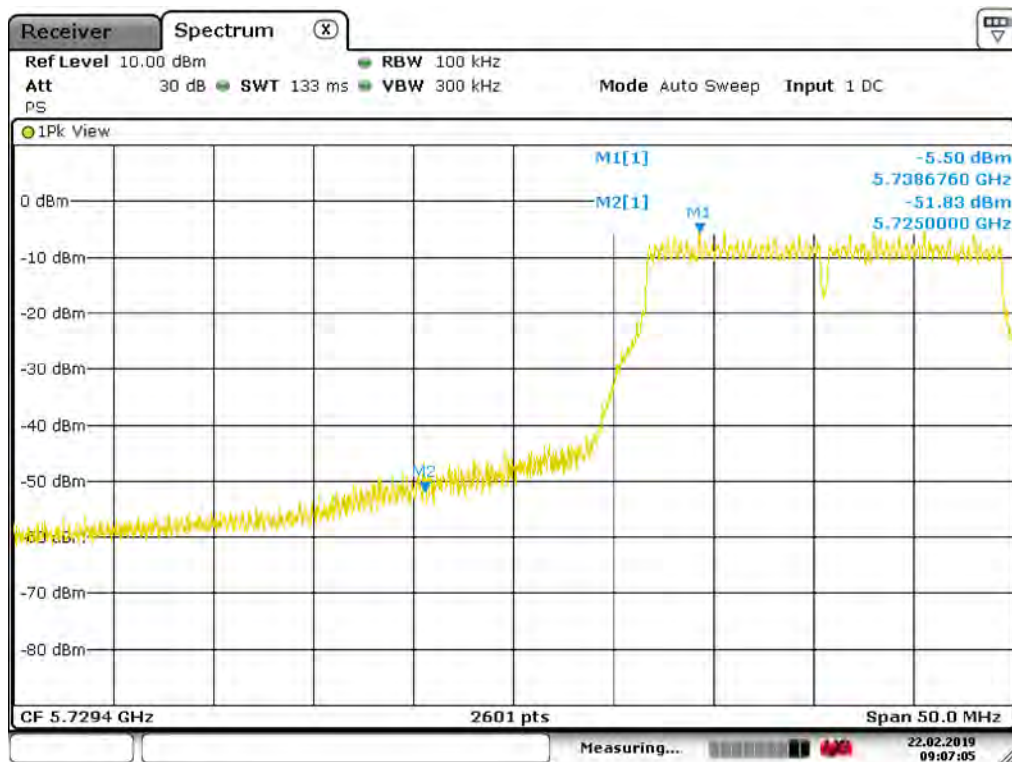
5.7 GHz, UNII3, 80: 26 GHz to 40 GHz



Date: 16.MAY.2019 13:03:23



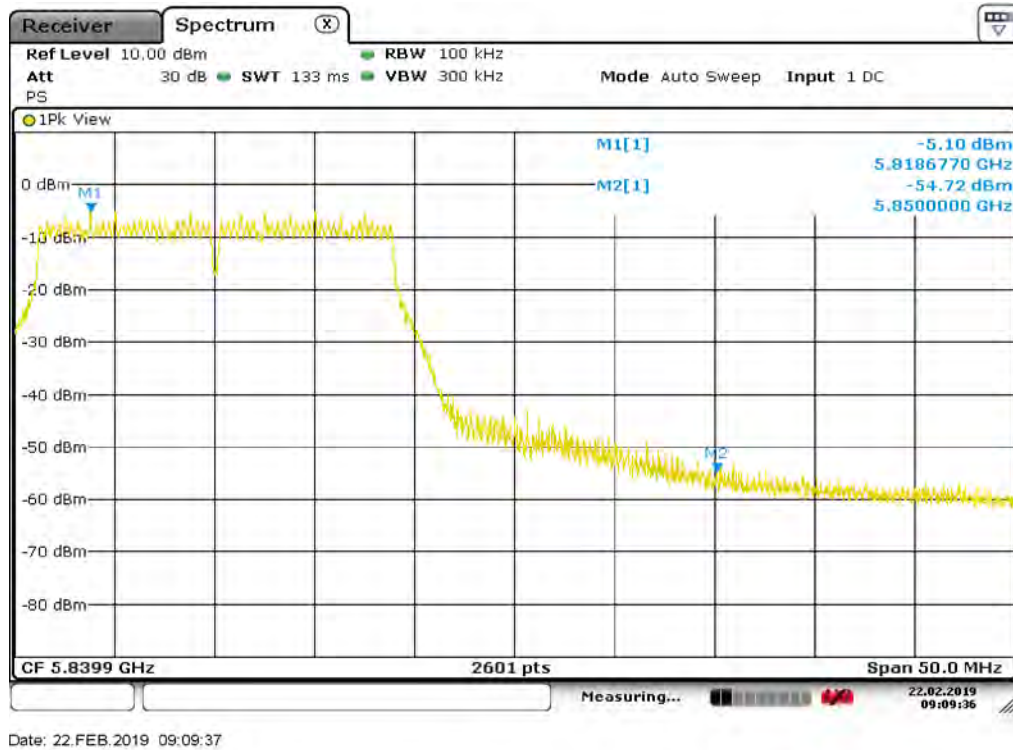
5.7 GHz, UNII3, N20: Low Band Edge



Date: 22.FEB.2019 09:07:05



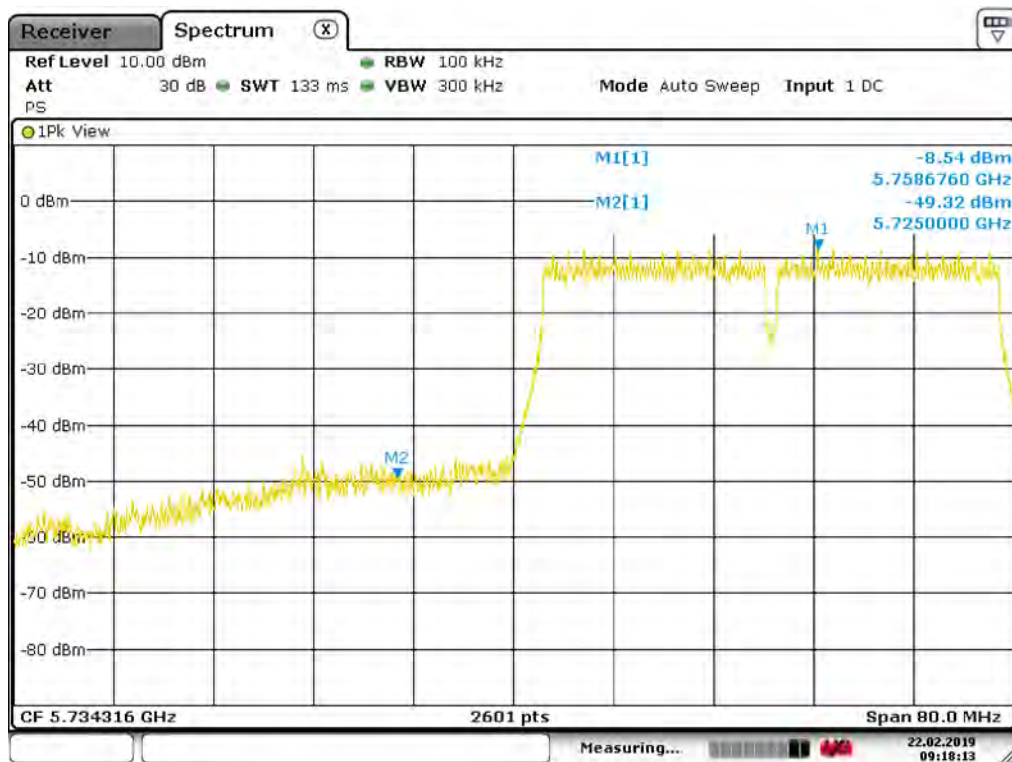
5.7 GHz, UNII3, N20: High Band Edge



	Measurement	Limit
20 MHz, Lower Band Edge	-51.83dBm/MHz	-27dBm/MHz
20 MHz, Upper Band Edge	-54.72dBm/MHz	-27dBm/MHz



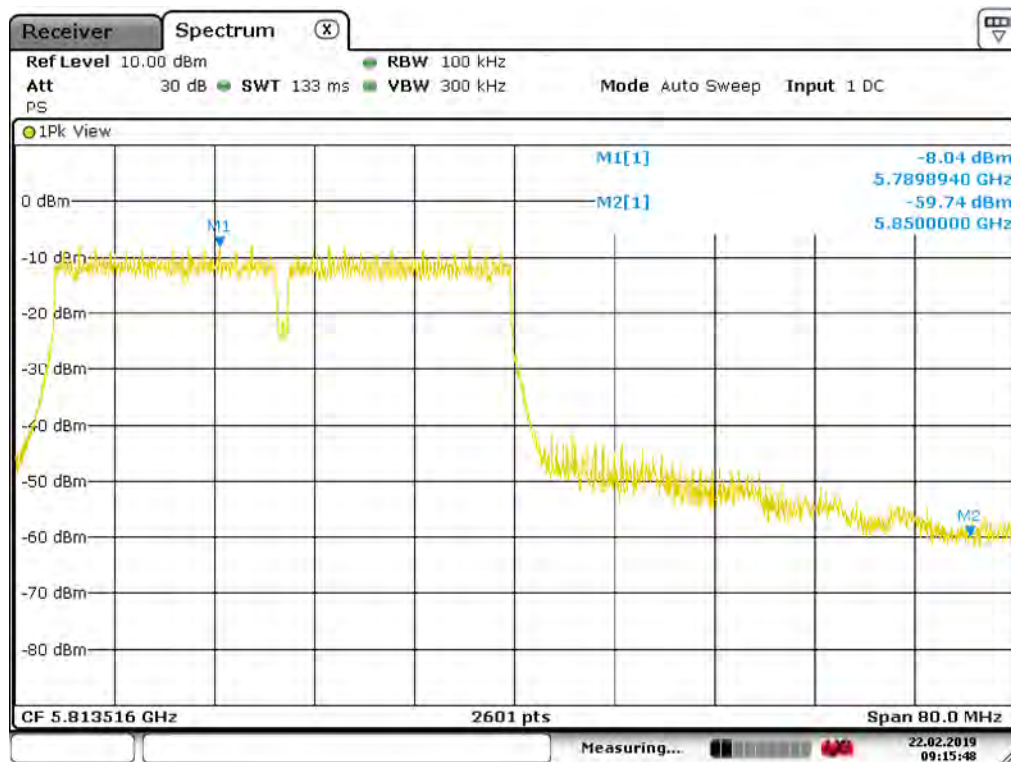
5.7 GHz, UNII3, N40: Low Band Edge



Date: 22.FEB.2019 09:18:14



5.7 GHz, UNII3, N40: High Band Edge

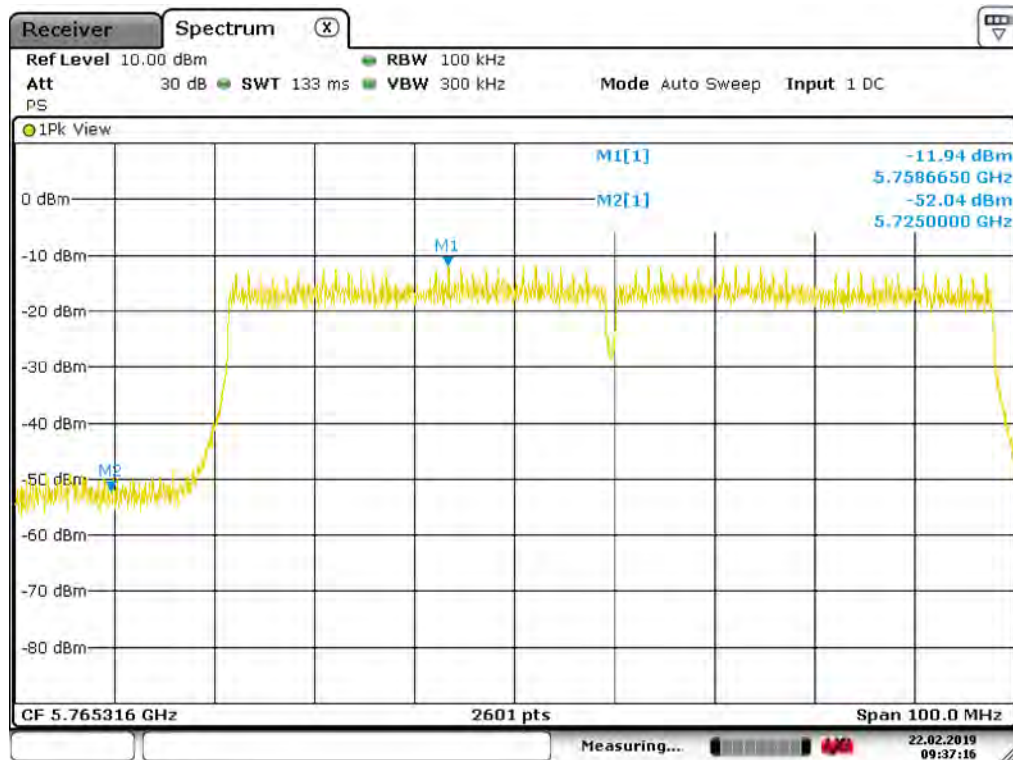


Date: 22.FEB.2019 09:15:48

	Measurement	Limit
40 MHz, Lower Band Edge	-49.32dBm/MHz	-27dBm/MHz
40 MHz, Upper Band Edge	-59.74dBm/MHz	-27dBm/MHz



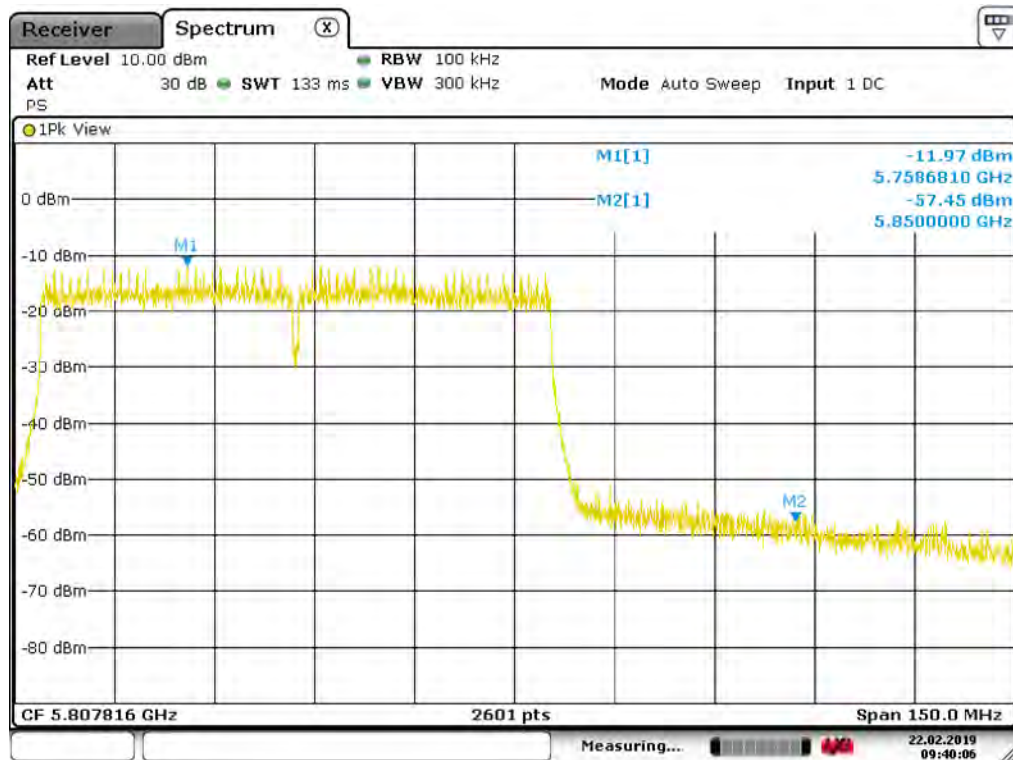
5.7 GHz, UNII3, 80, MCS7, Low Band Edge



Date: 22.FEB.2019 09:37:16



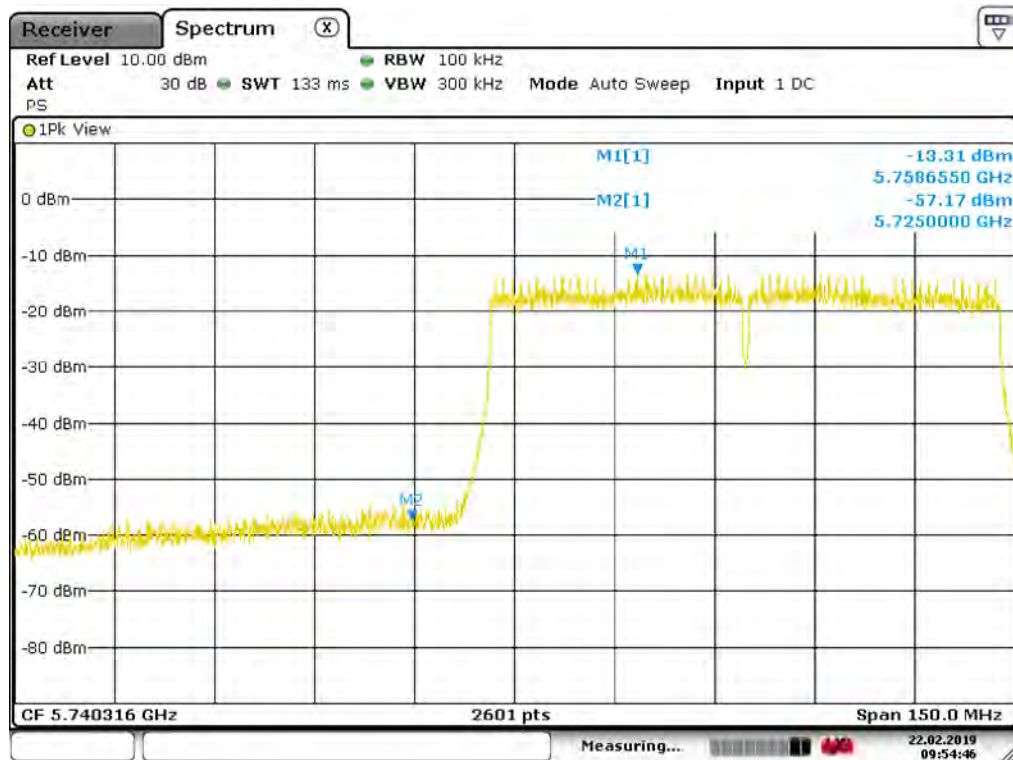
5.7 GHz, UNII3, 80, MCS7: High Band Edge



Date: 22.FEB.2019 09:40:06

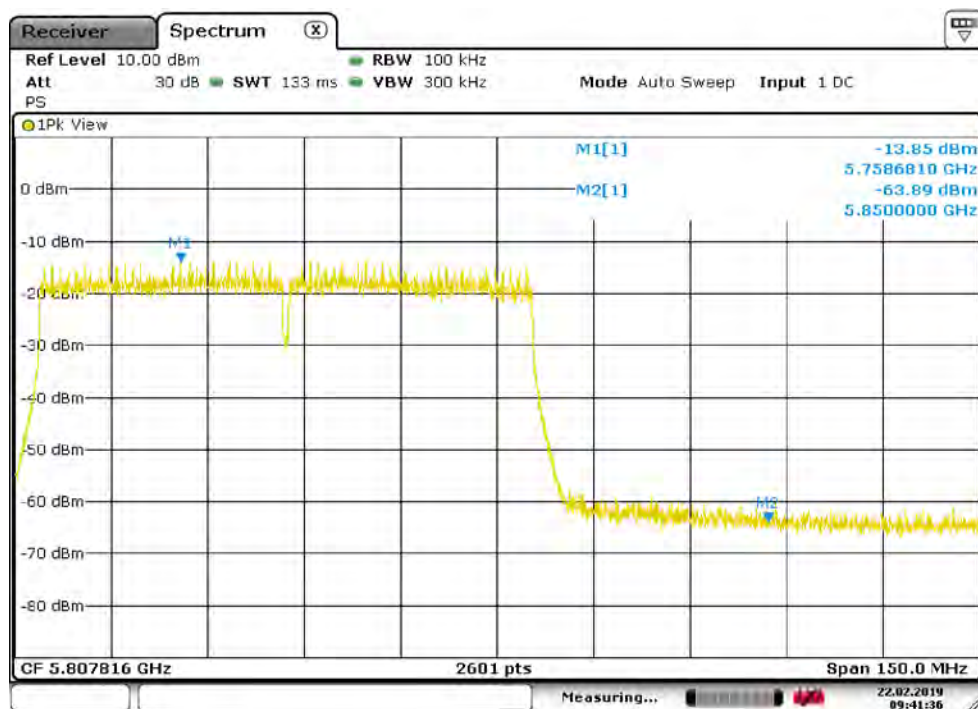


5.7 GHz, UNII3, 80, MCS9: Low Band Edge





5.7 GHz, UNII3, 80, MCS9: High Band Edge



Date: 22.FEB.2019 09:41:36

	Measurement	Limit
80 MHz, MCS7, Lower Band Edge	-52.04dBm/MHz	-27dBm/MHz
80 MHz, MCS7, Upper Band Edge	-57.45dBm/MHz	-27dBm/MHz
80 MHz, MCS9, Lower Band Edge	-57.17dBm/MHz	-27dBm/MHz
80 MHz, MCS9, Upper Band Edge	-63.89dBm/MHz	-27dBm/MHz



12 VOLTAGE VARIATIONS

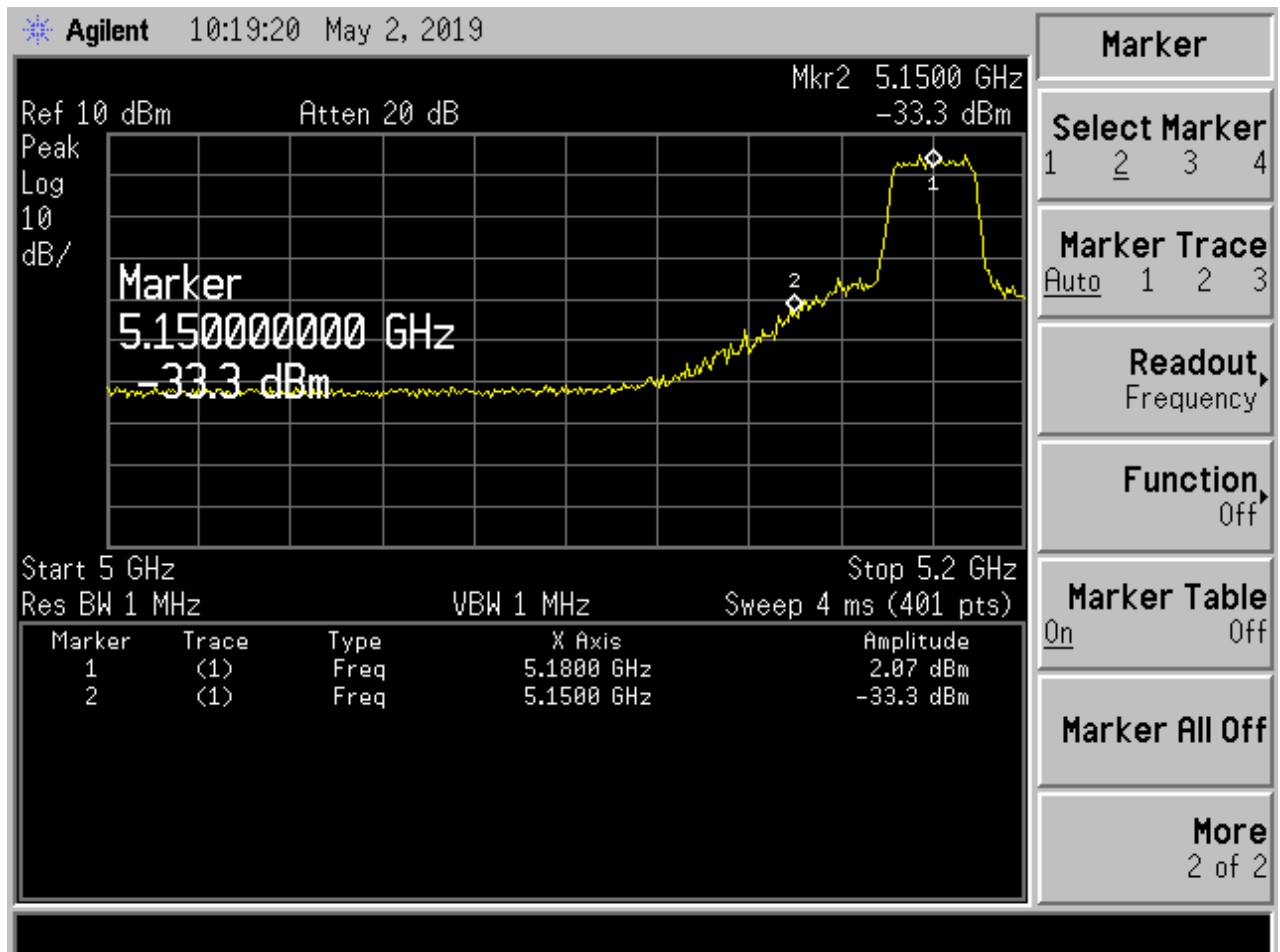
For intentional radiators, measurements of the variation of the input power or the radiated signal level of the fundamental frequency component of the emission, as appropriate, shall be performed with the supply voltage varied between 85% and 115% of the nominal rated supply voltage. For battery operated equipment, the equipment tests shall be performed using a new battery. A nominal voltage of 120VAC was used and then 100VAC and 138VAC were used as the 85% and 115% variations.

RESULTS: The results showed that the fundamental frequency did not move outside the frequency band and the field strength did not increase above the limit during the variations.



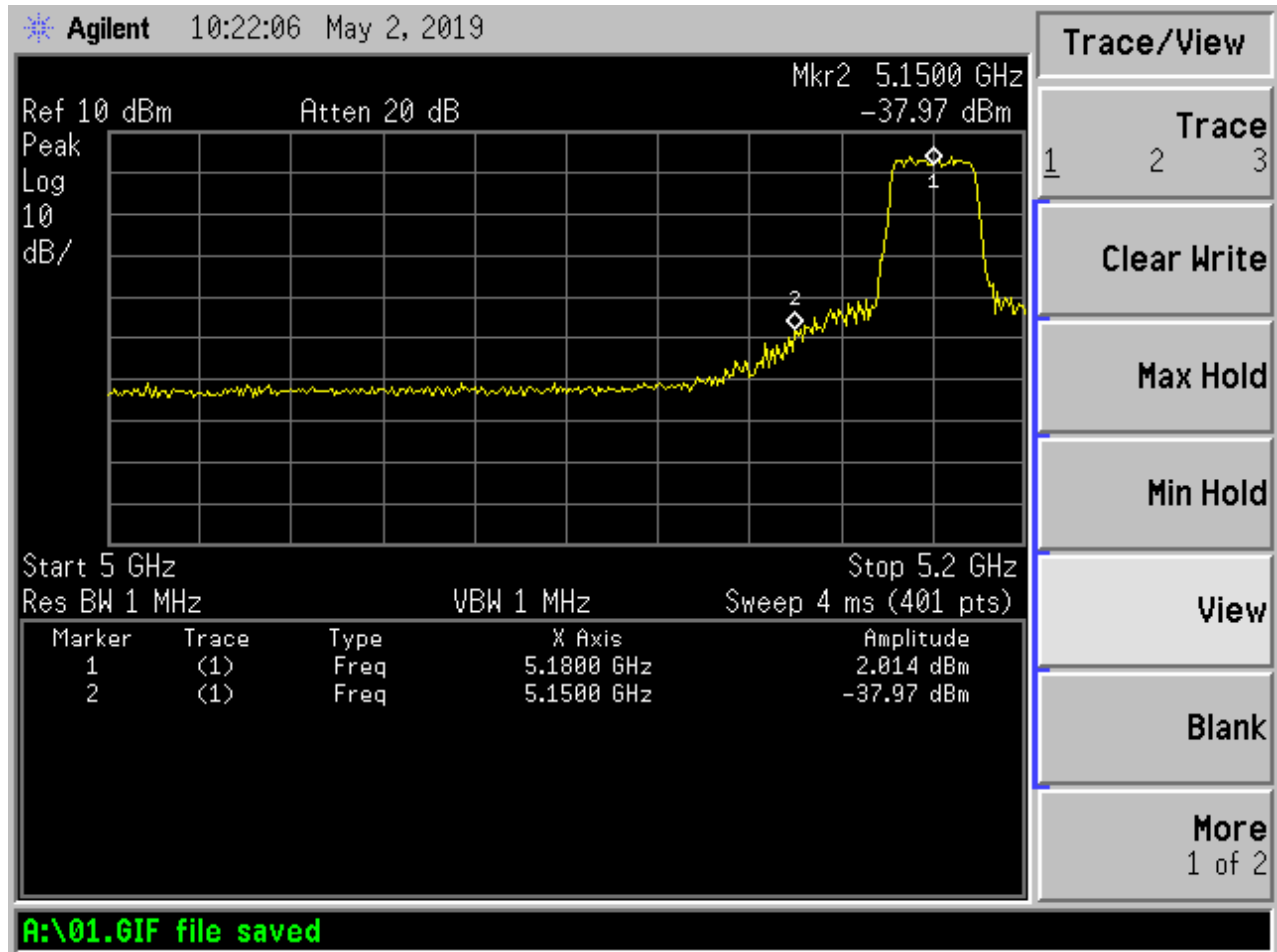
Test Date(s):	May 2, 2019	Test Engineer(s):	J. Chiller
Standards:	CFR 47 Part 15.31(e)	Air Temperature:	23.0°C
		Relative Humidity:	32%

5.1 GHz, UNII1, N20M, Low Channel @ 85%



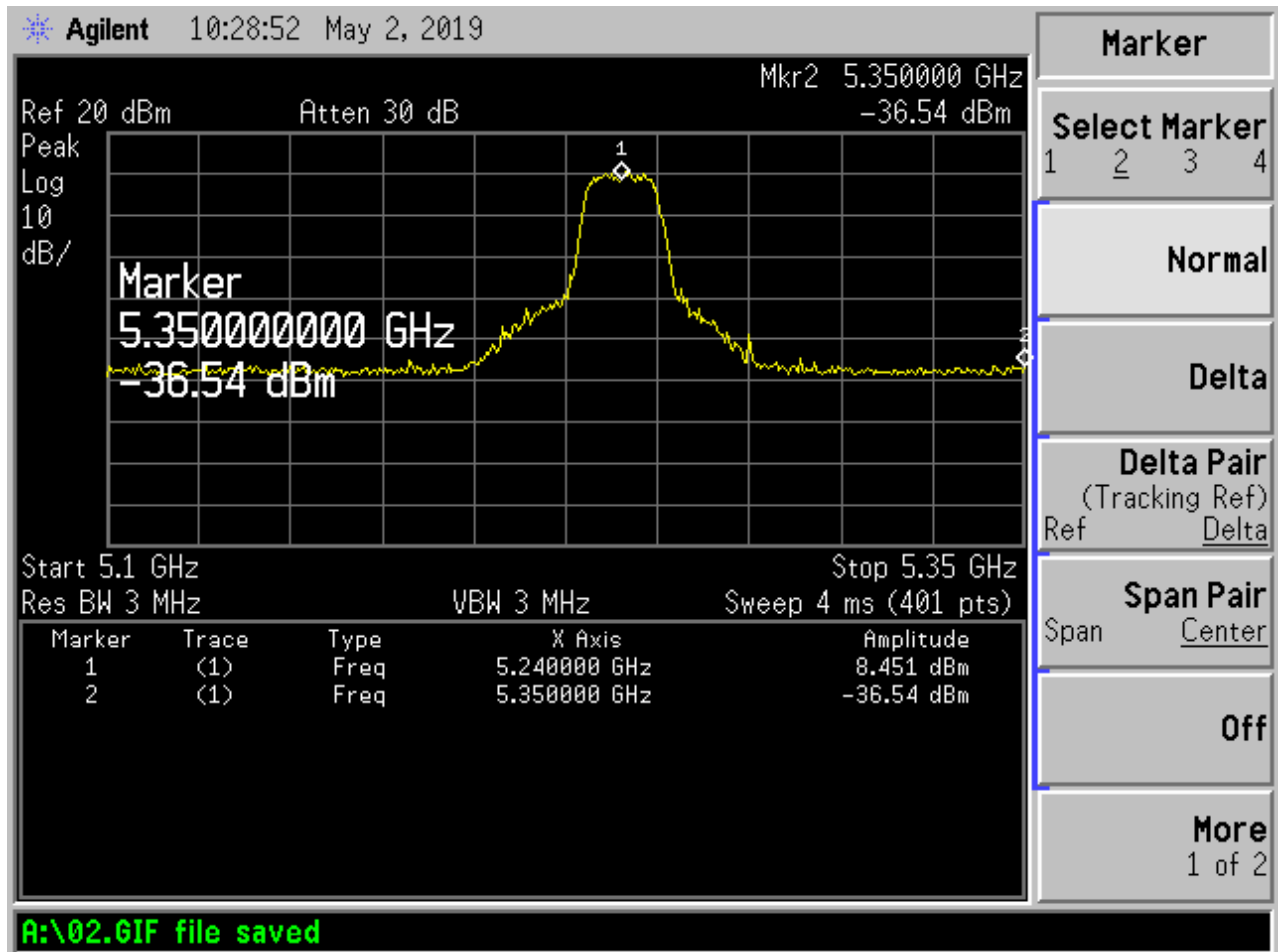


5.1 GHz, UNII1, N20M, Low Channel @115%



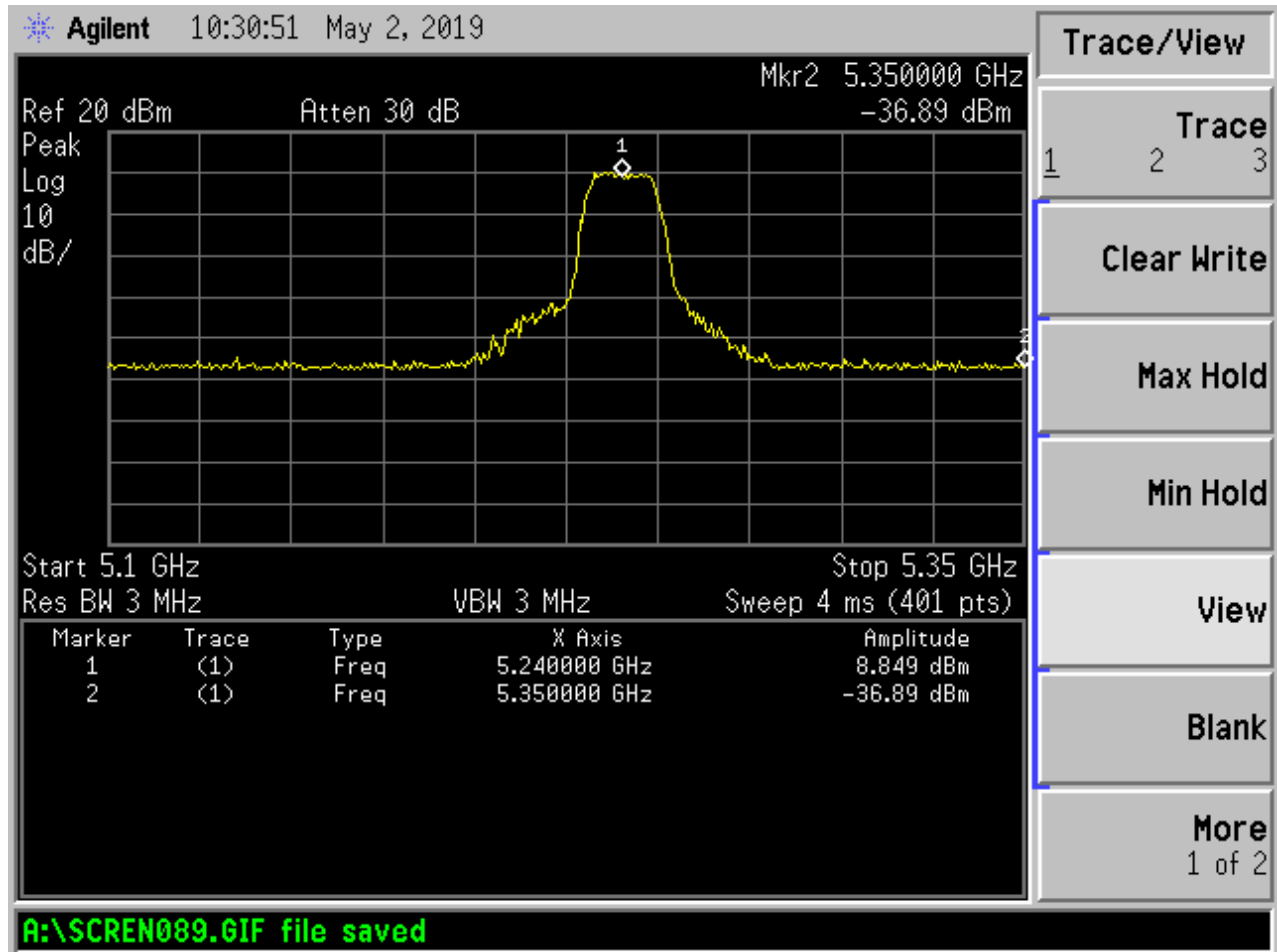


5.1 GHz, UNII1, N20M, High Channel @ 85%



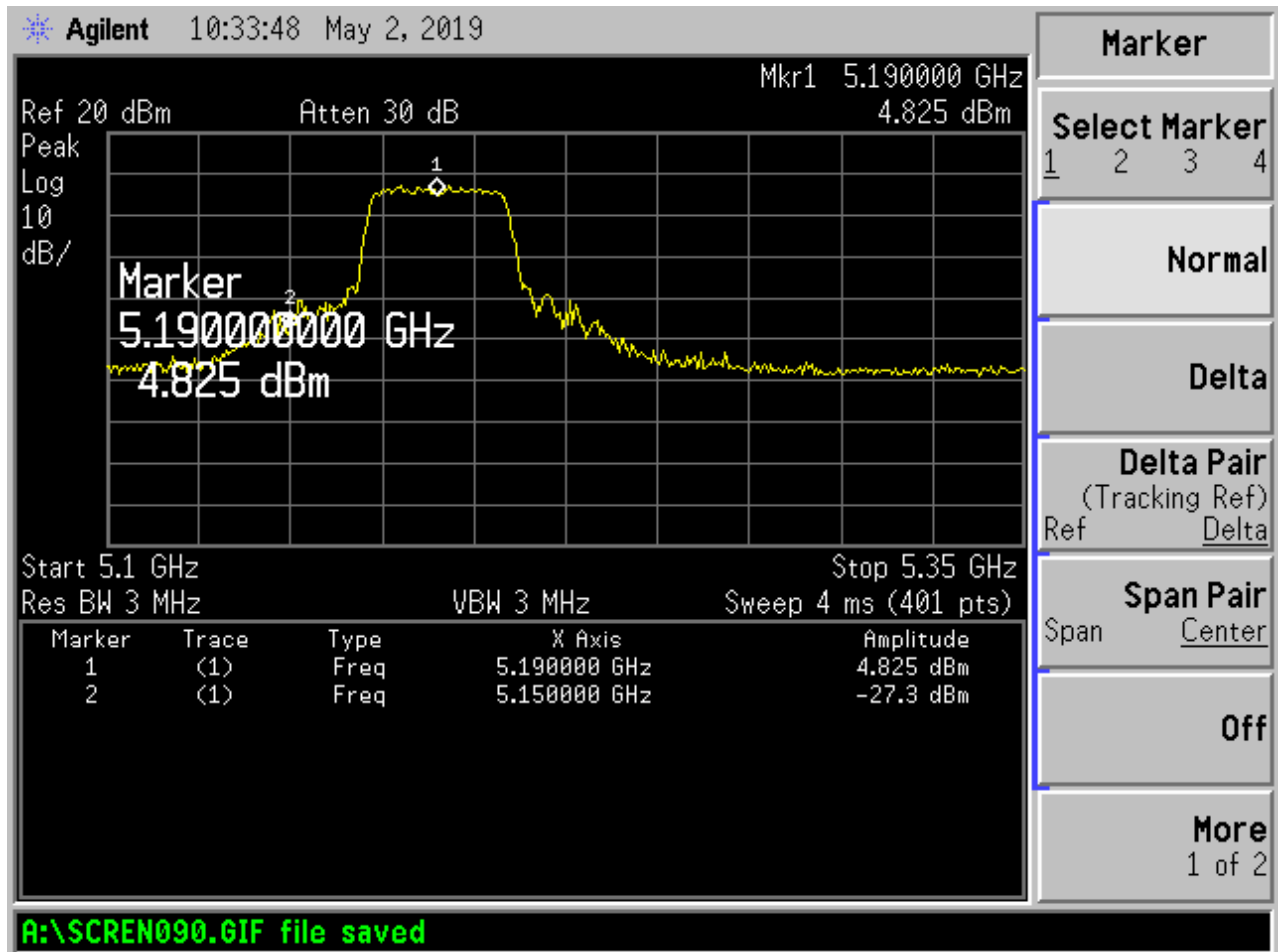


5.1 GHz, UNII1, N20M, High Channel @115%



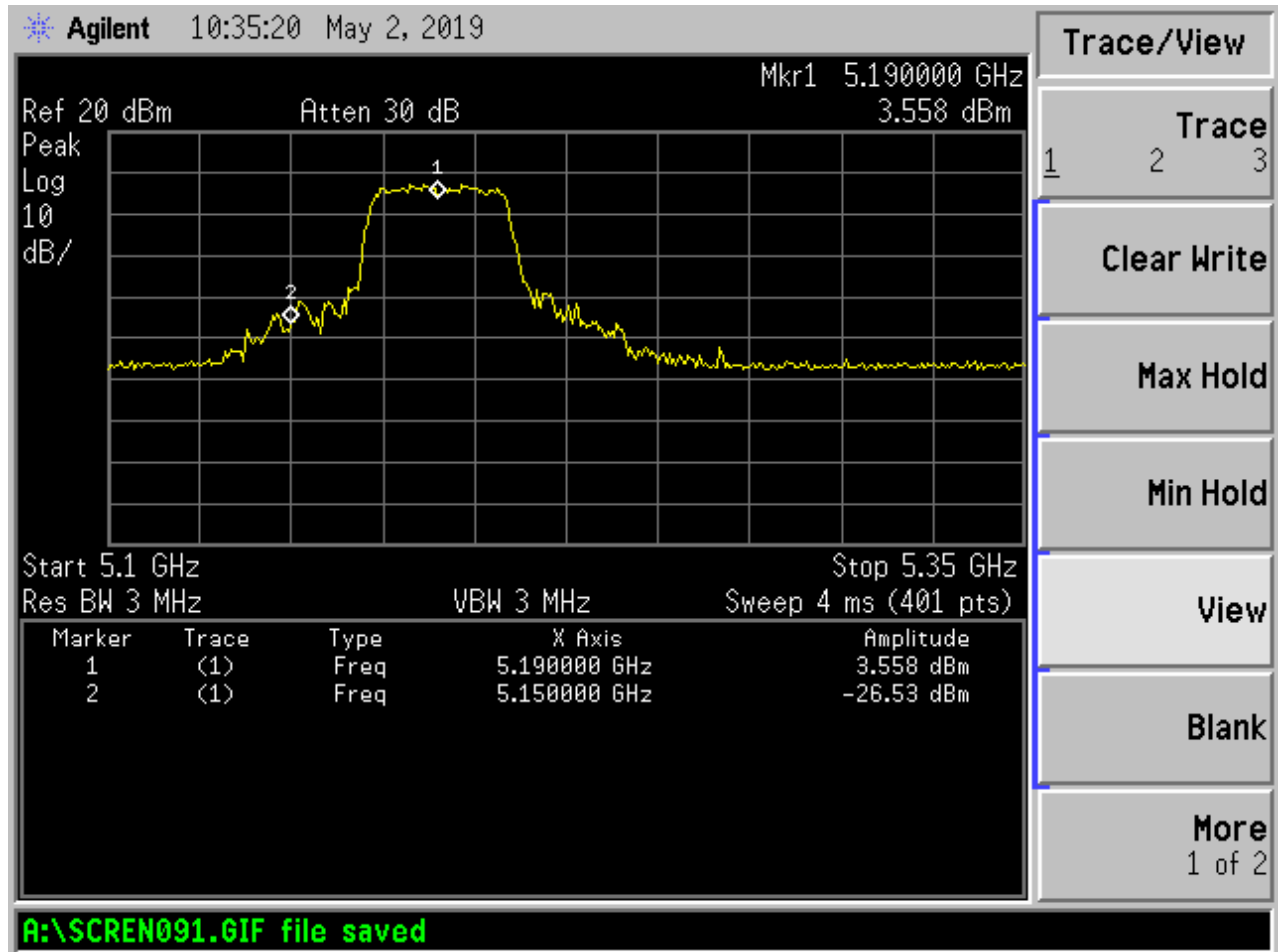


5.1 GHz, UNII1, N40M, Low Channel @ 85%



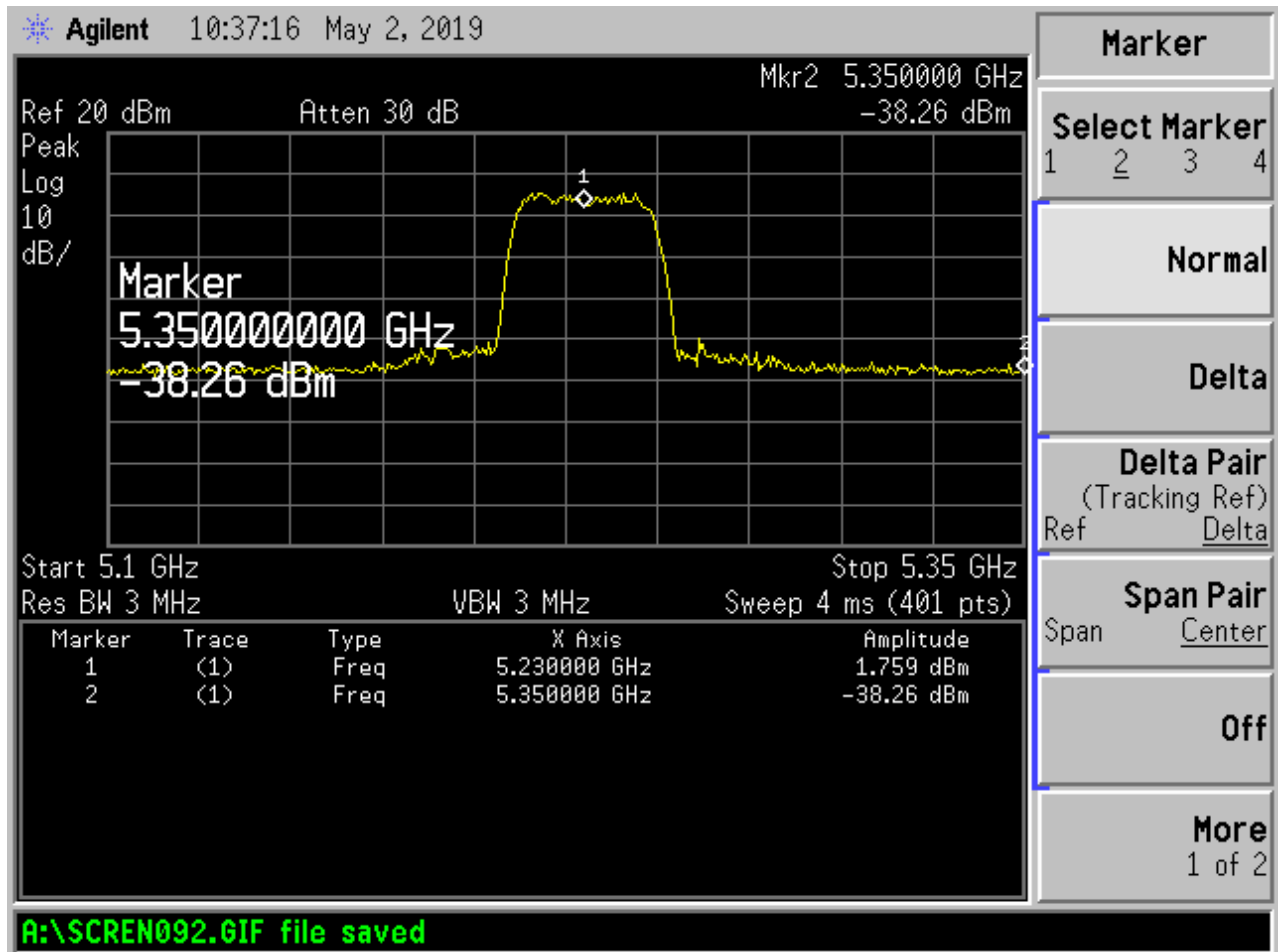


5.1 GHz, UNII1, N40M, Low Channel @115%



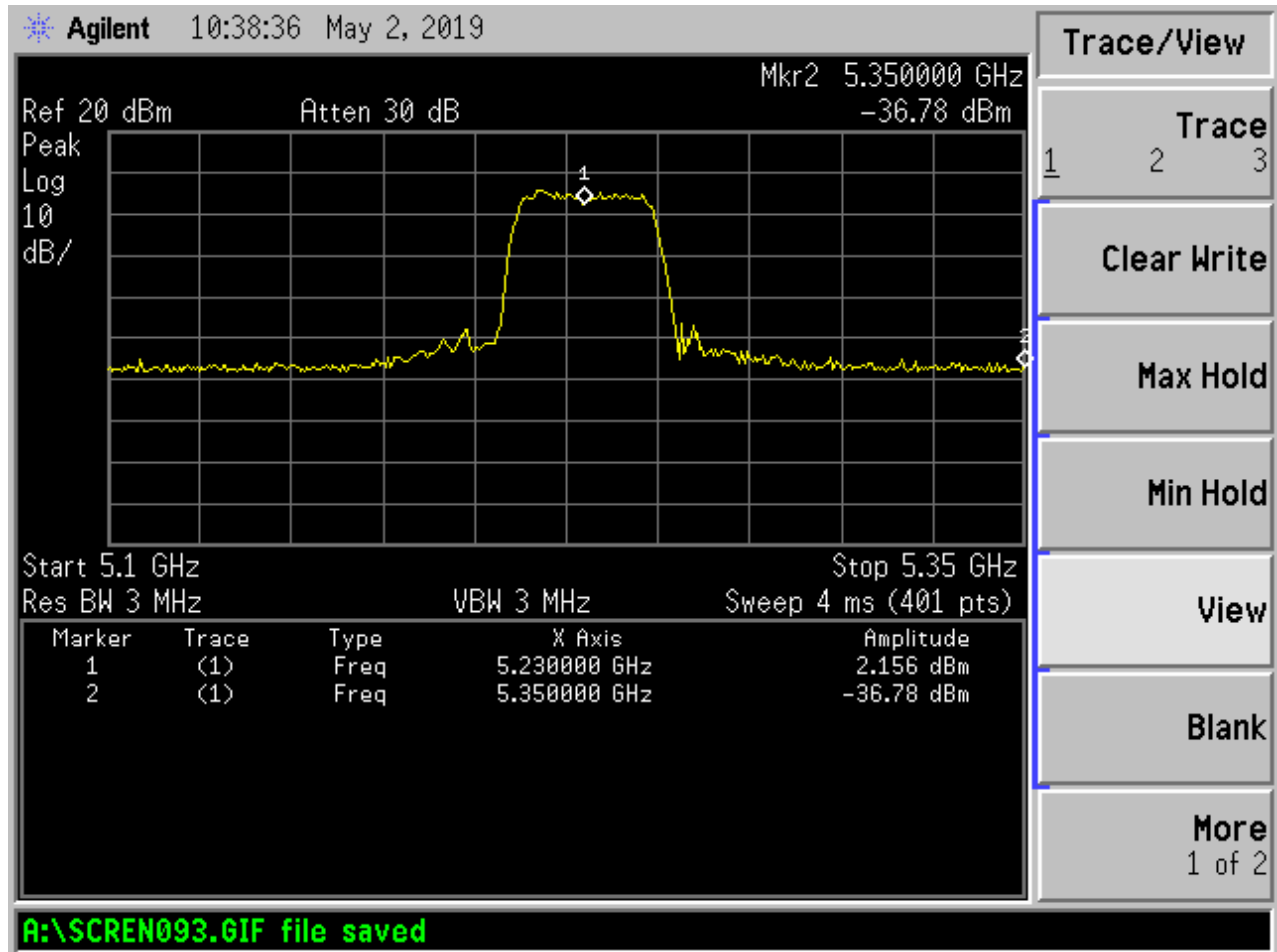


5.1 GHz, UNII1, N40M, High Channel @ 85%



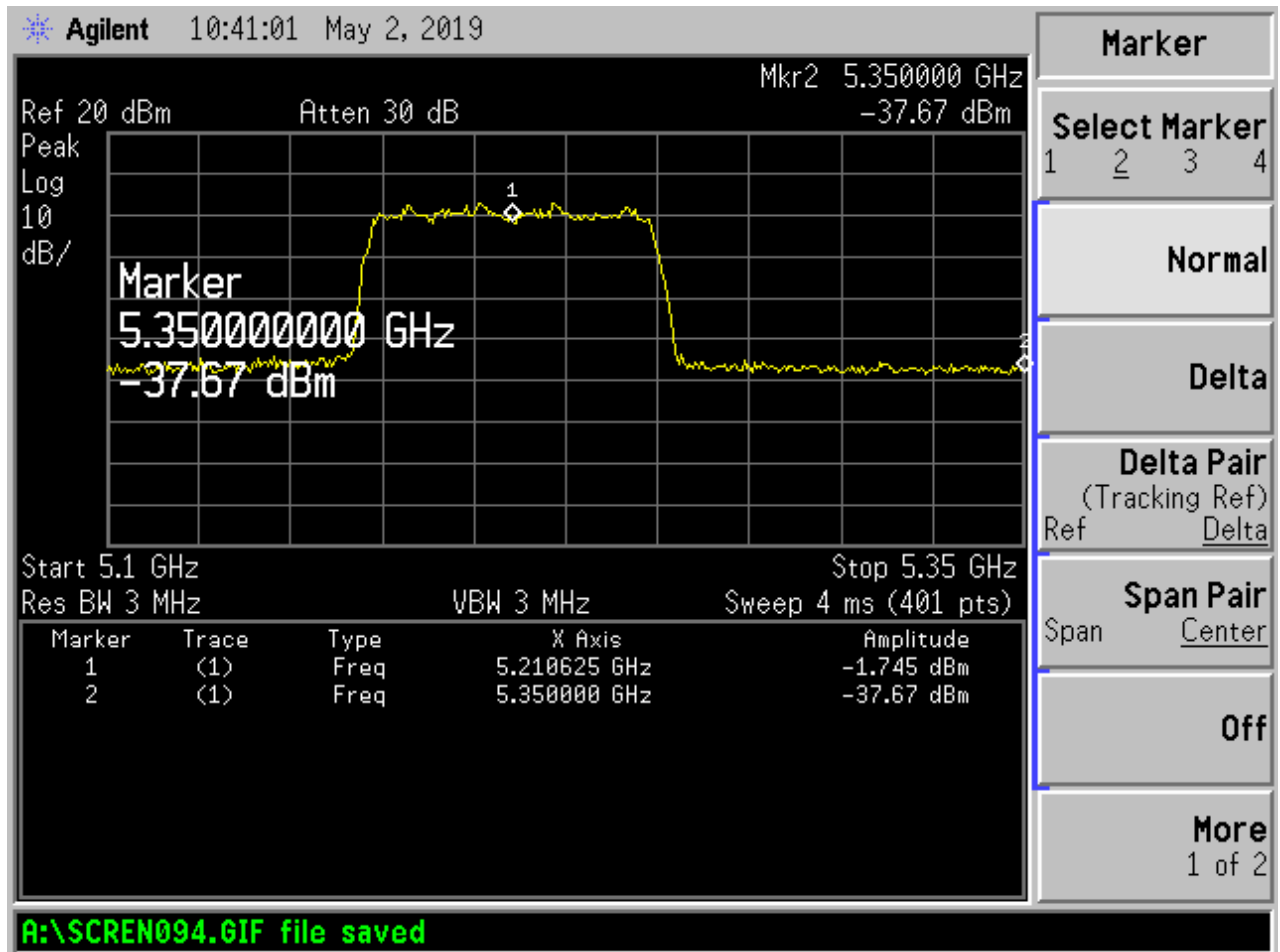


5.1 GHz, UNII1, N40M, High Channel @115%



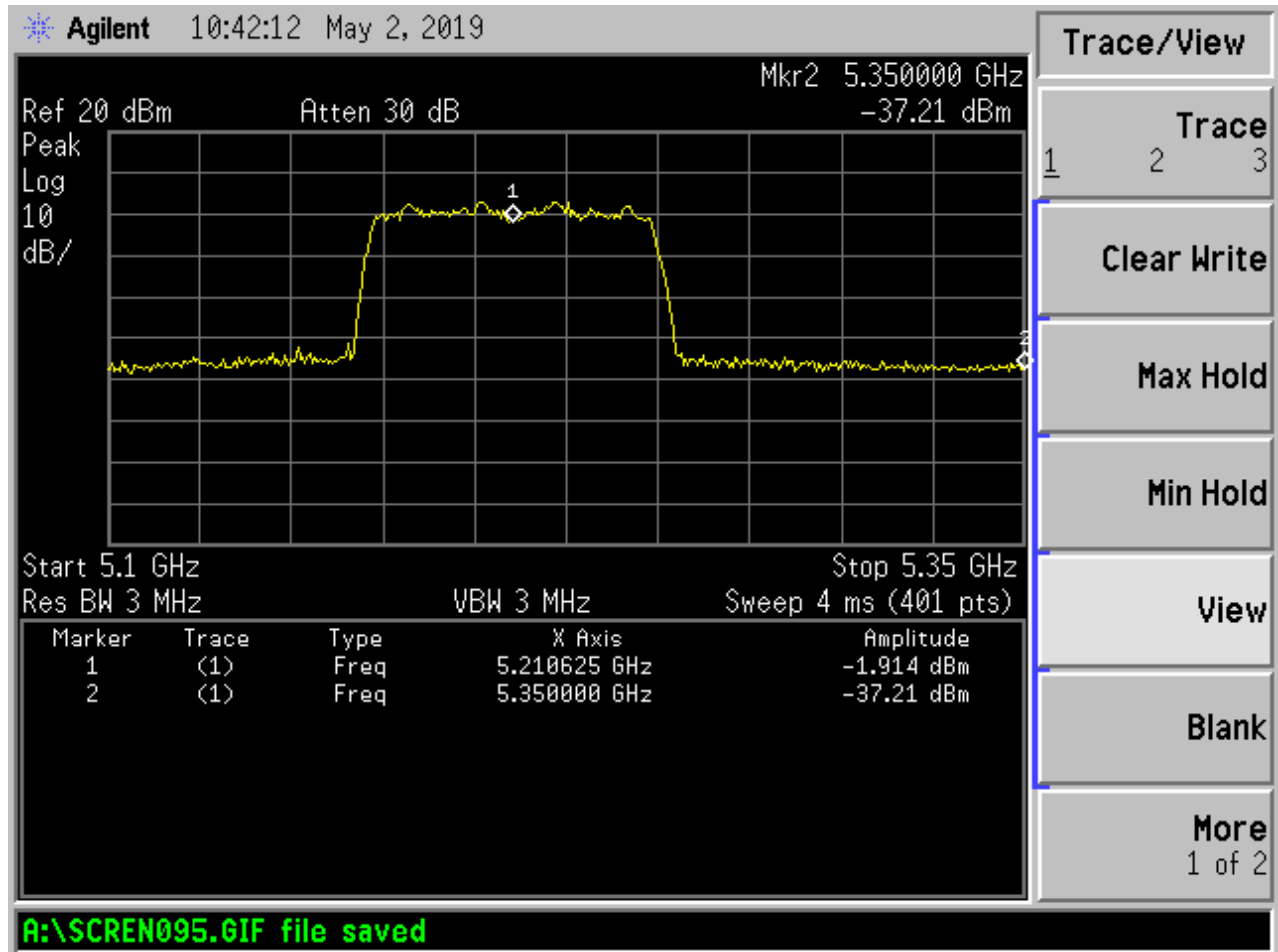


5.1 GHz, UNII1, 80M, @ 85%



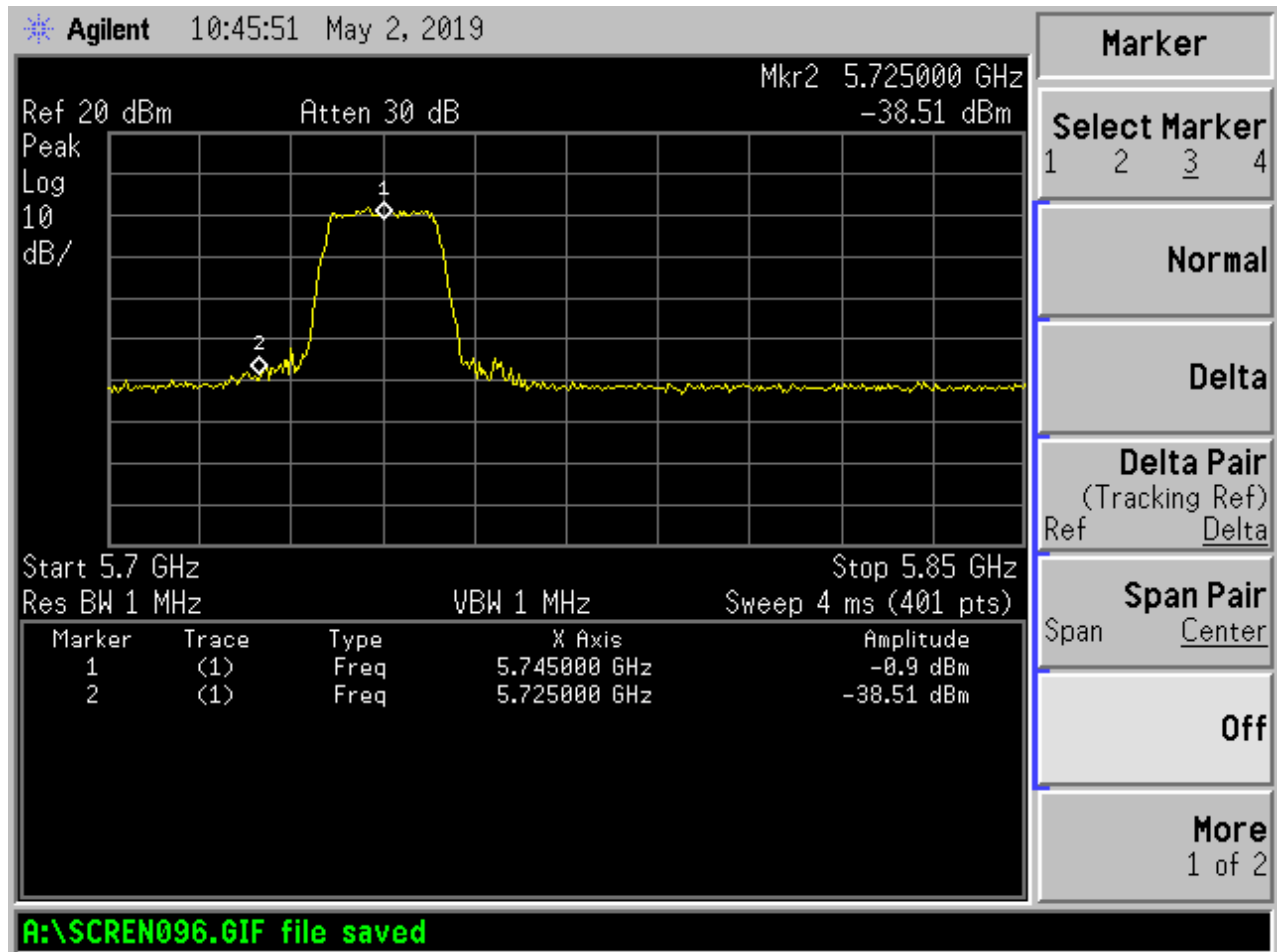


5.1 GHz, UNII1, 80M, @115%



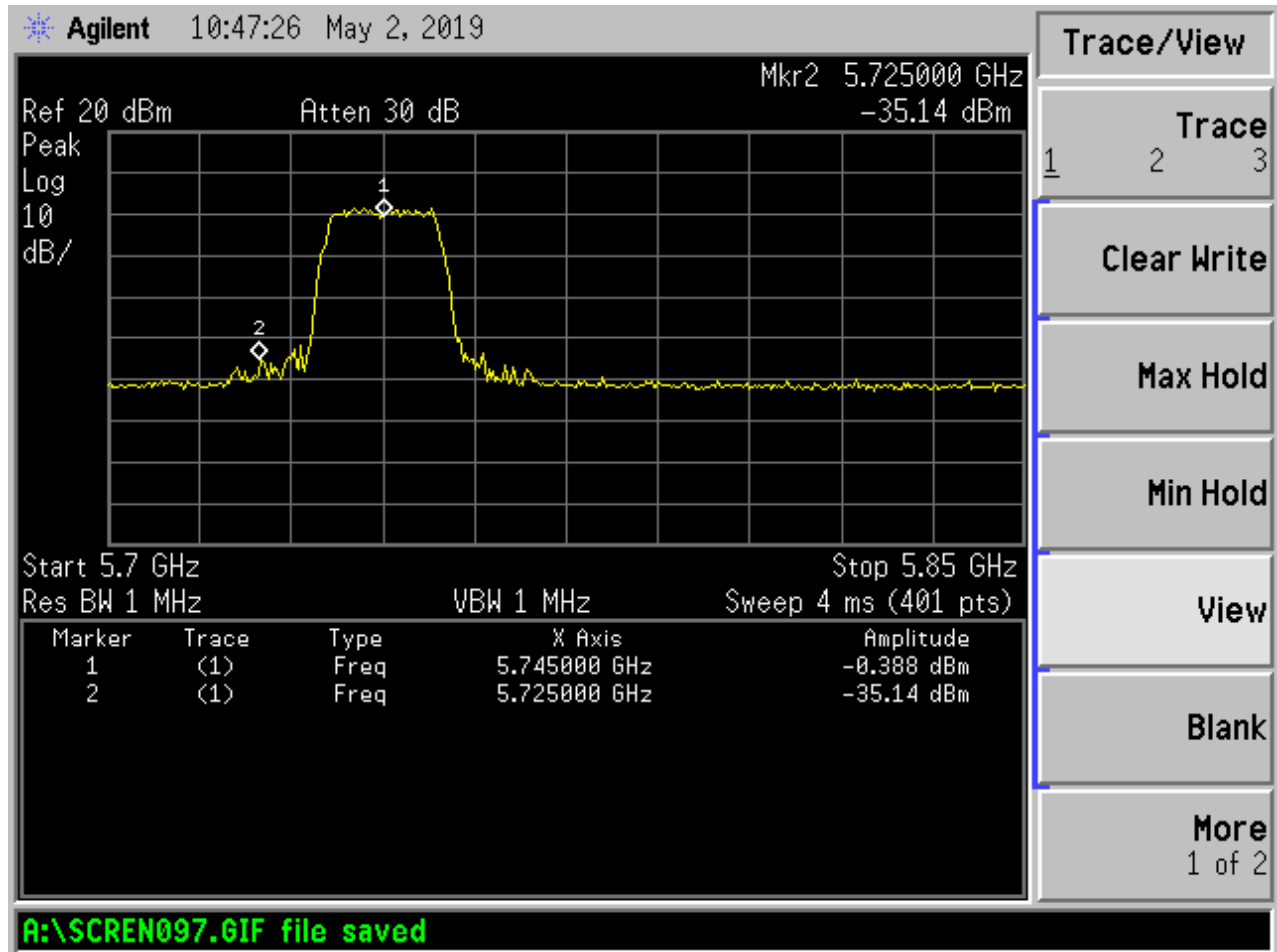


5.7 GHz, UNII3, N20, Low Channel @ 85%



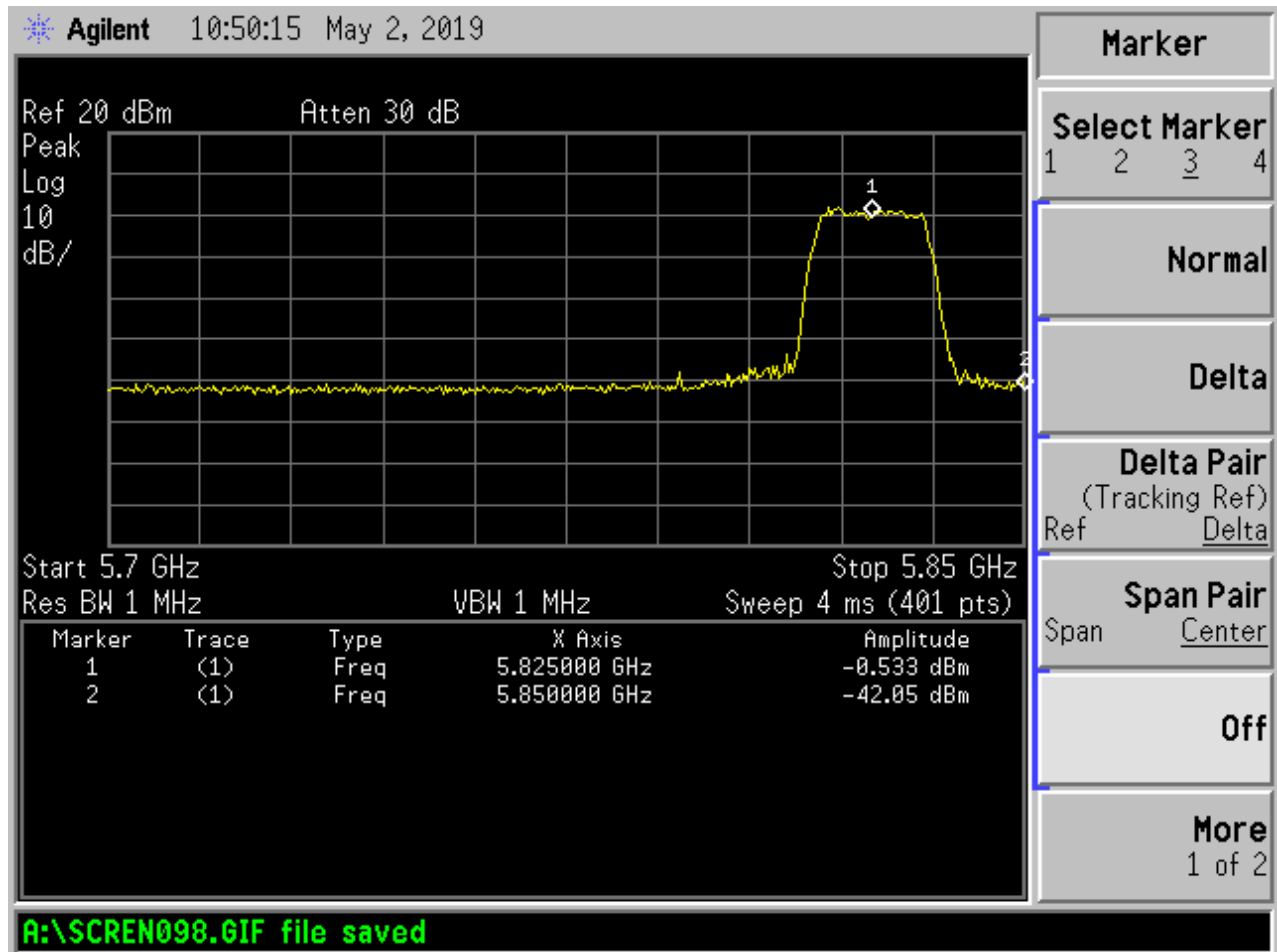


5.7 GHz, UNII3, N20, Low Channel @115%



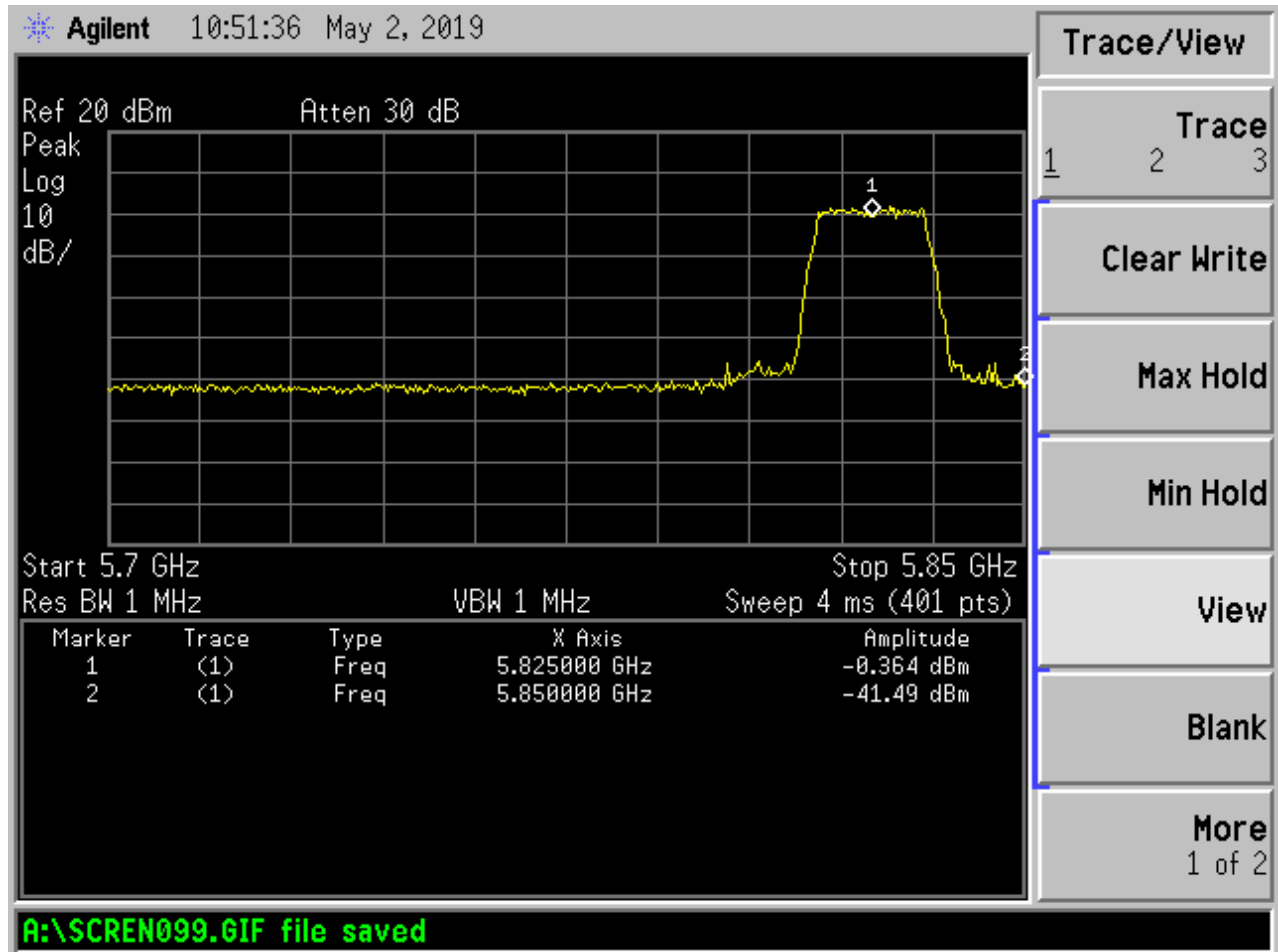


5.7 GHz, UNII3, N20, High Channel @ 85%



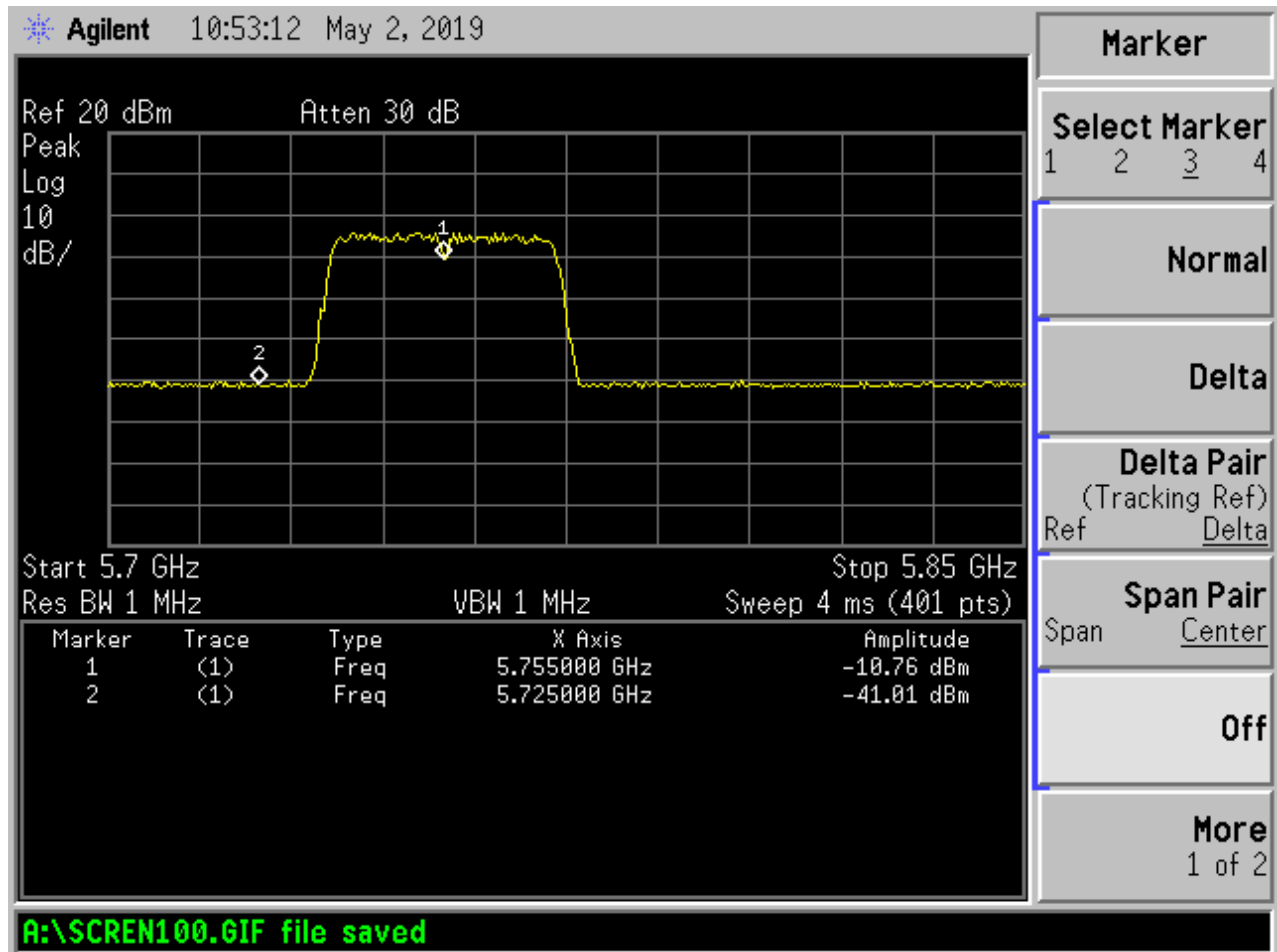


5.7 GHz, UNII3, N20, High Channel @115%



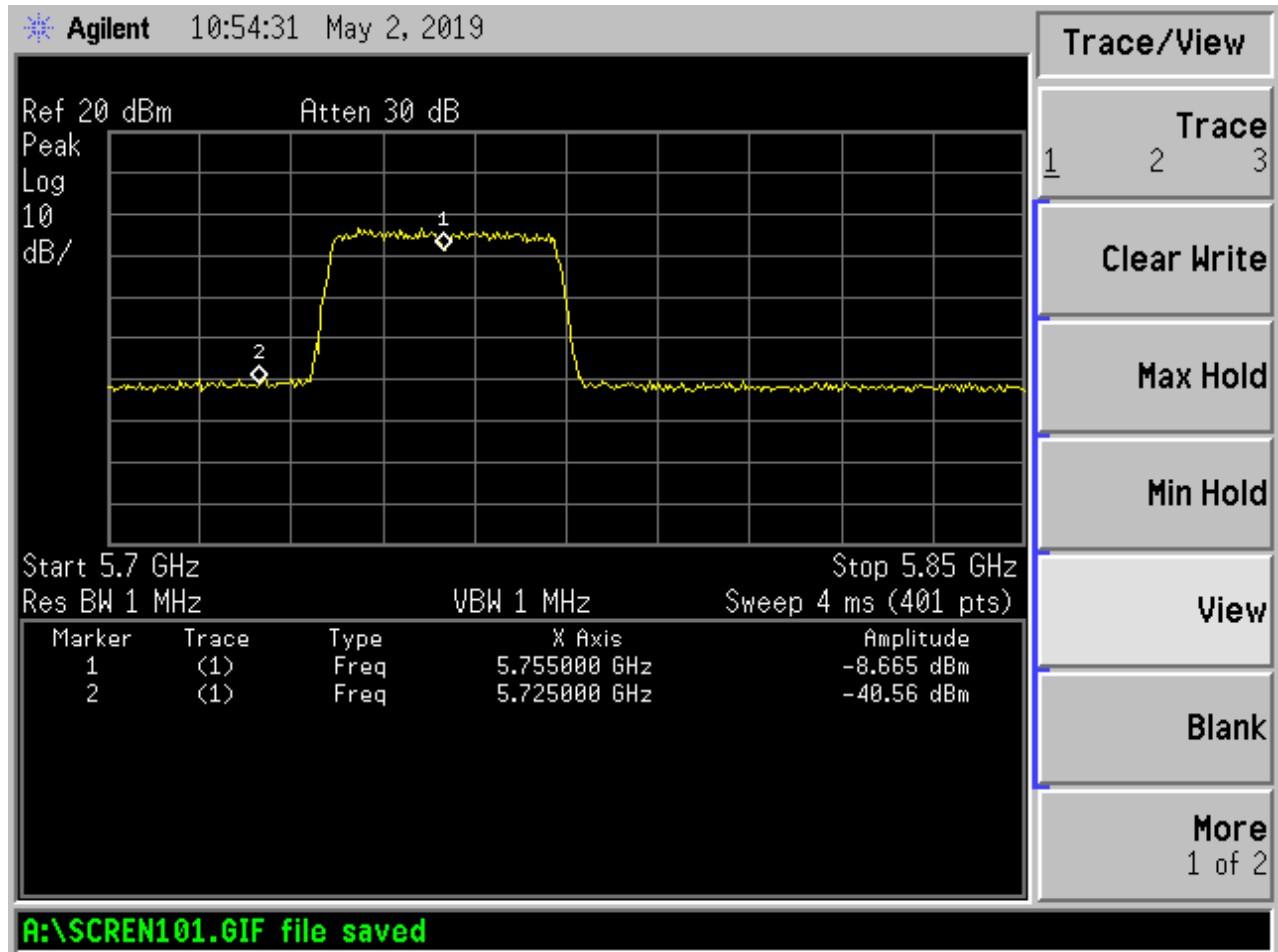


5.7 GHz, UNII3, N40, Low Channel @ 85%



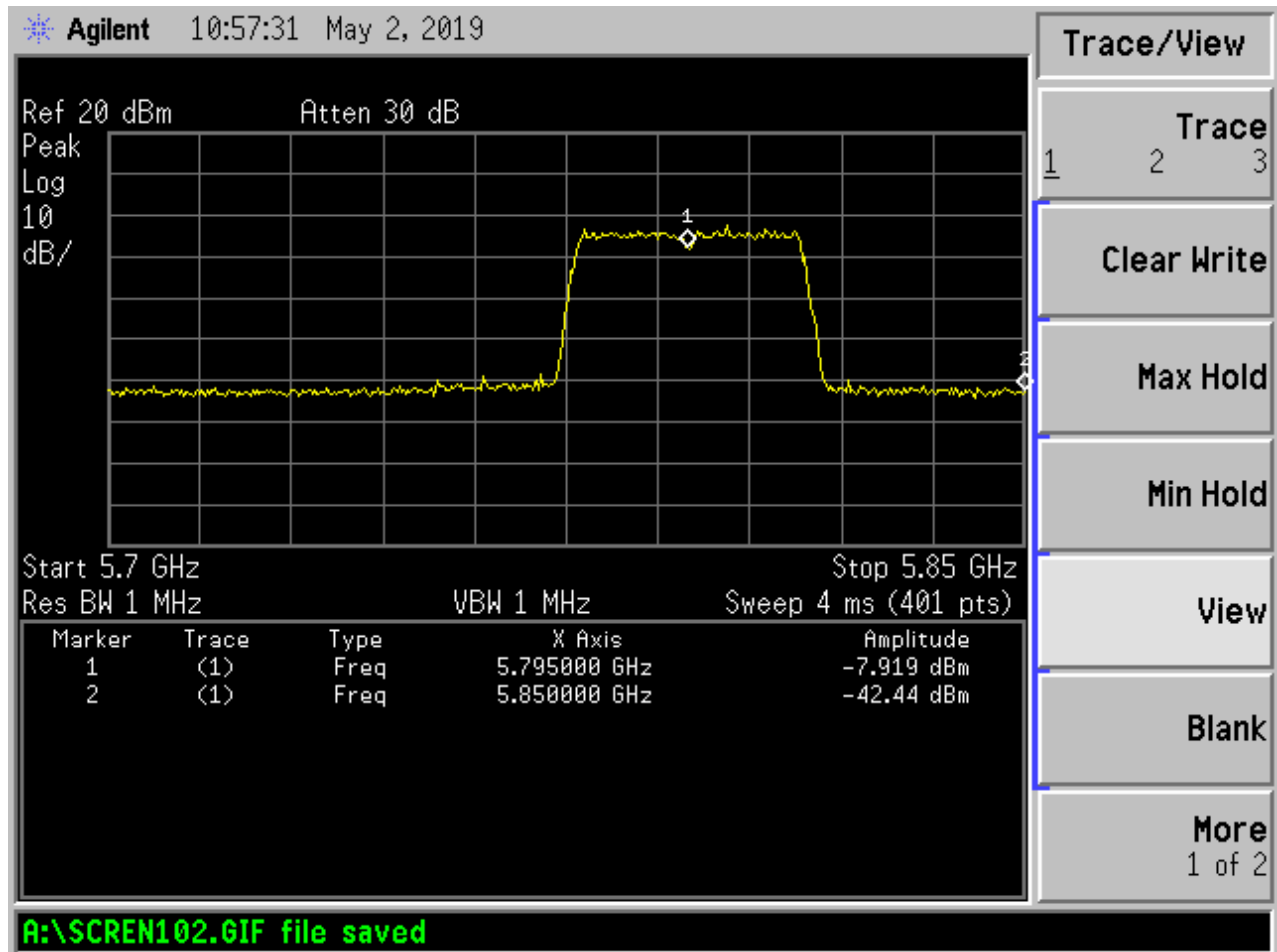


5.7 GHz, UNII3, N40, Low Channel @115%



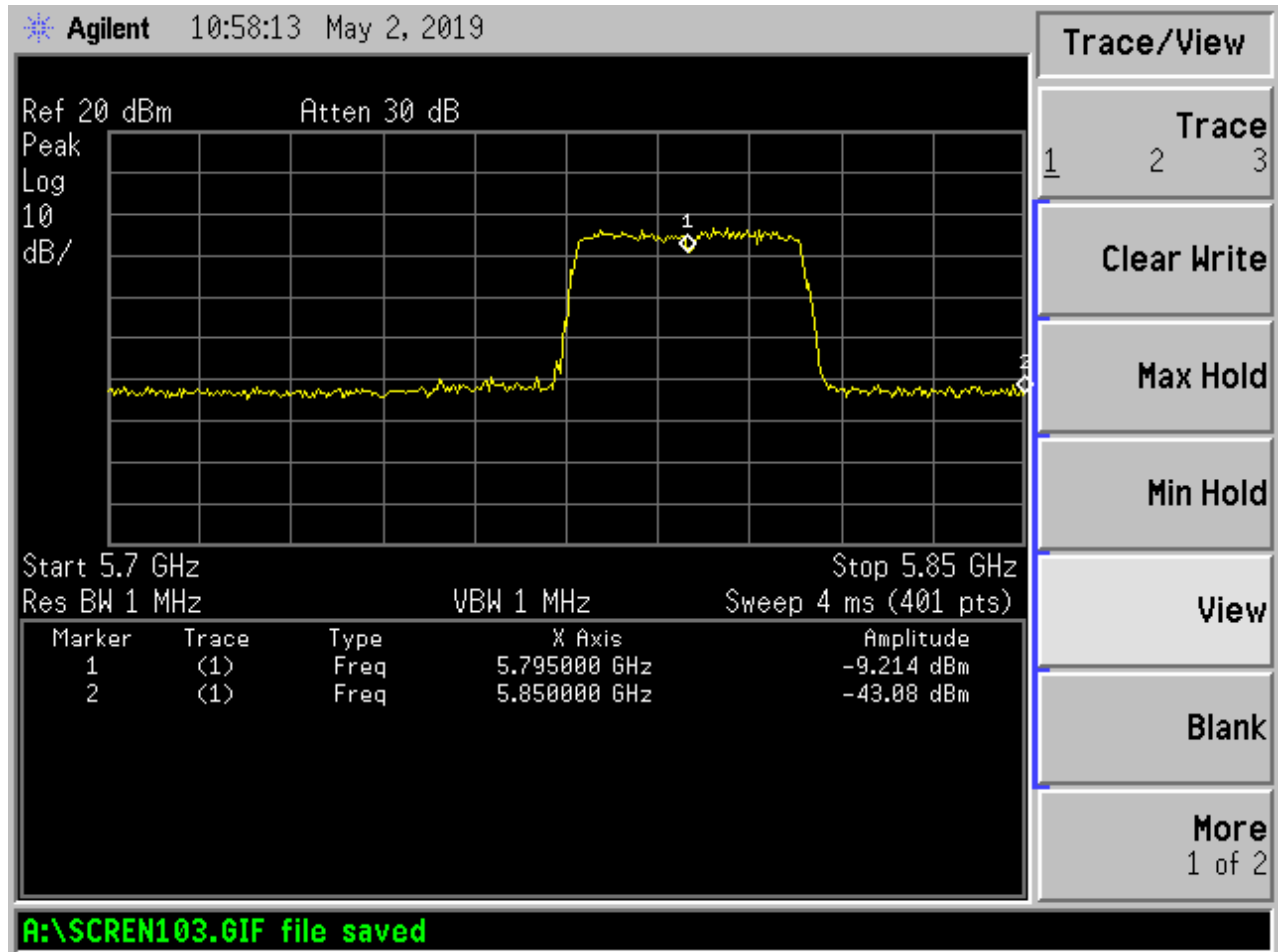


5.7 GHz, UNII3, N40, High Channel @ 85%



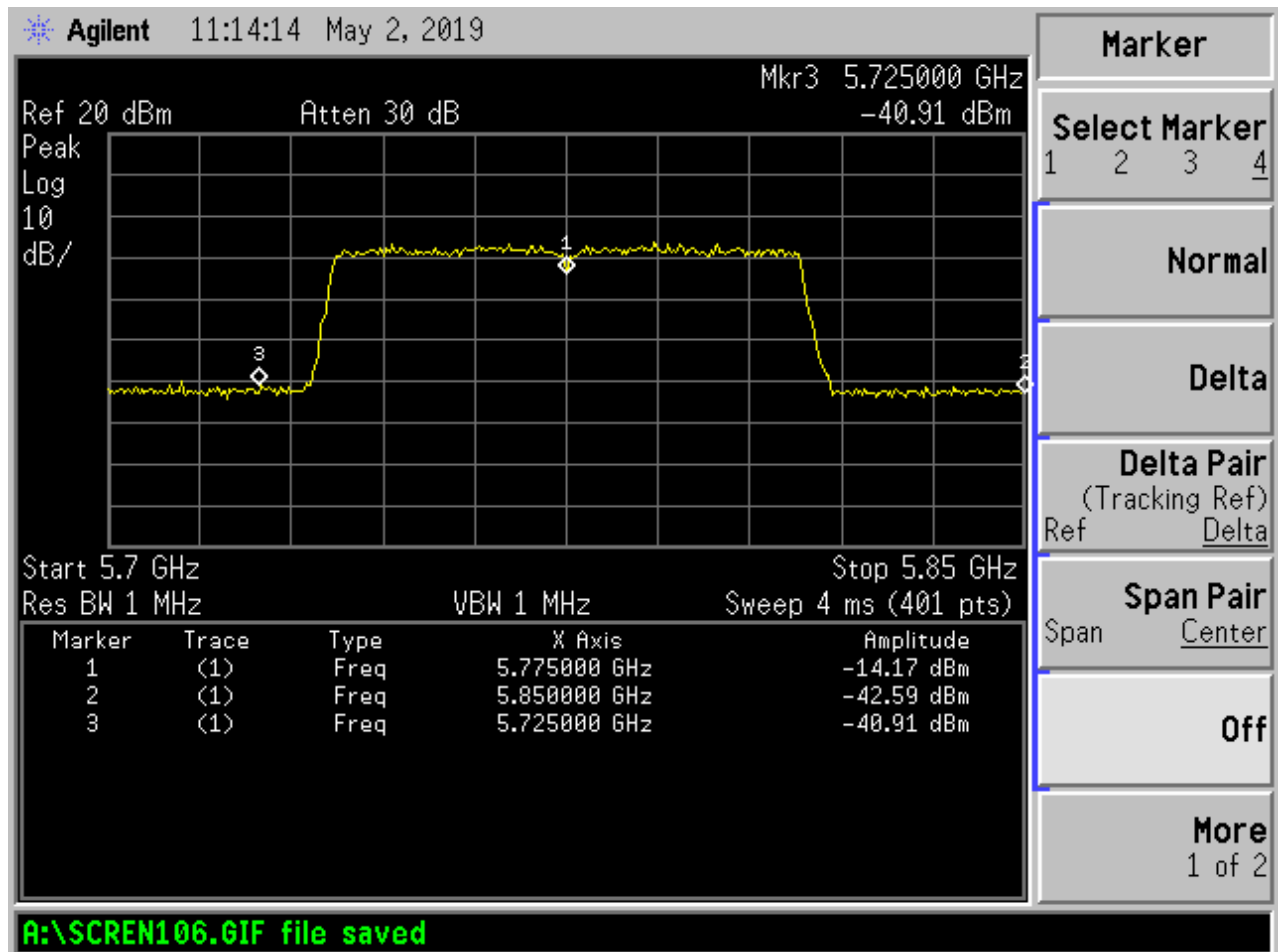


5.7 GHz, UNII3, N40, High Channel @115%



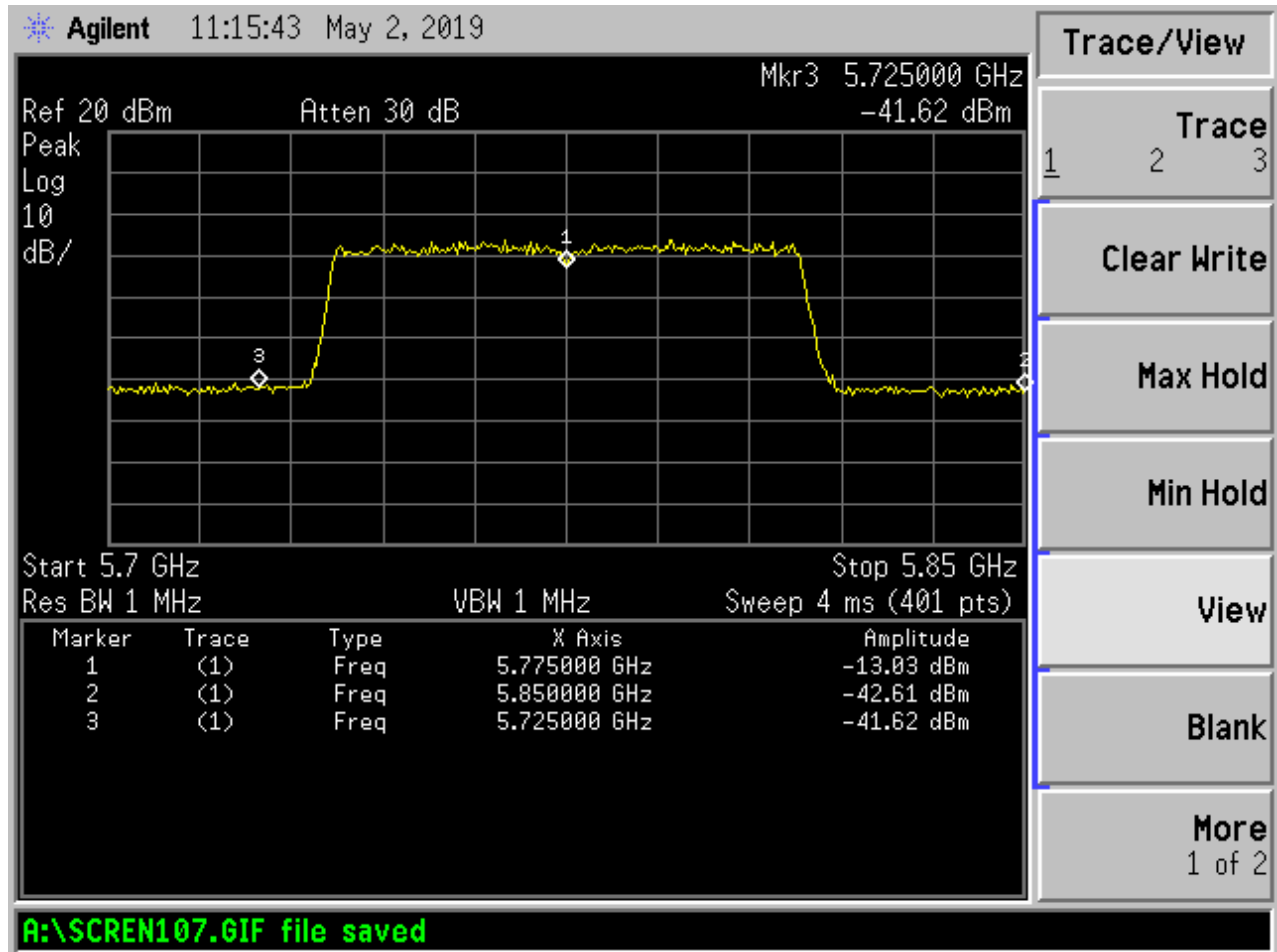


5.7 GHz, UNII3, 80, @ 85%





5.7 GHz, UNII3, 80, @ 115%





13 CONDUCTED EMISSIONS

13.1 Requirements

In accordance with FCC CFR 47 Part 15.207(a), "Except as shown in paragraphs (b) and (c) of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 μ H/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

Frequency of Emission (MHz)	Conducted Limit (dB μ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

13.2 Procedure

The EUT was placed on a 1.0 x 1.5 meter non-conductive table, 0.8 meter above a horizontal ground plane and 0.4 meter from a vertical ground plane. Power was provided to the EUT through a LISN bonded to a 3 x 2 meter ground plane. The LISN and peripherals were supplied power through a filtered AC power source. The output of the LISN was connected to the input of the receiver via a transient limiter, and emissions in the range 150 kHz to 30 MHz were measured. The measurements were recorded using the quasi-peak and average detectors as directed by the standard, and the resolution bandwidth during testing was 9 kHz. The raw measurements were corrected to allow for attenuation from the LISN, transient limiter and cables.

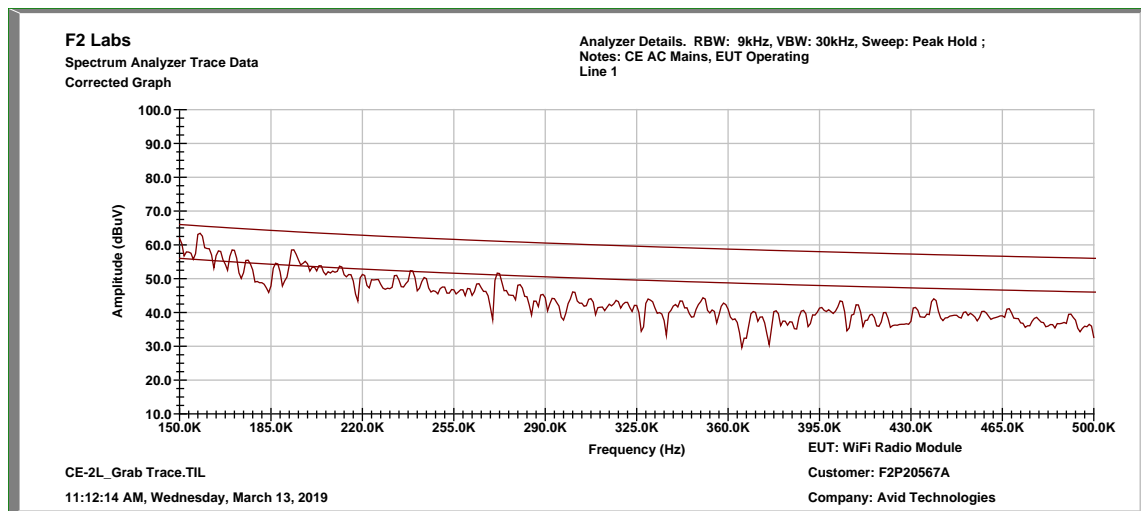


13.3 Conducted Emissions Test Data

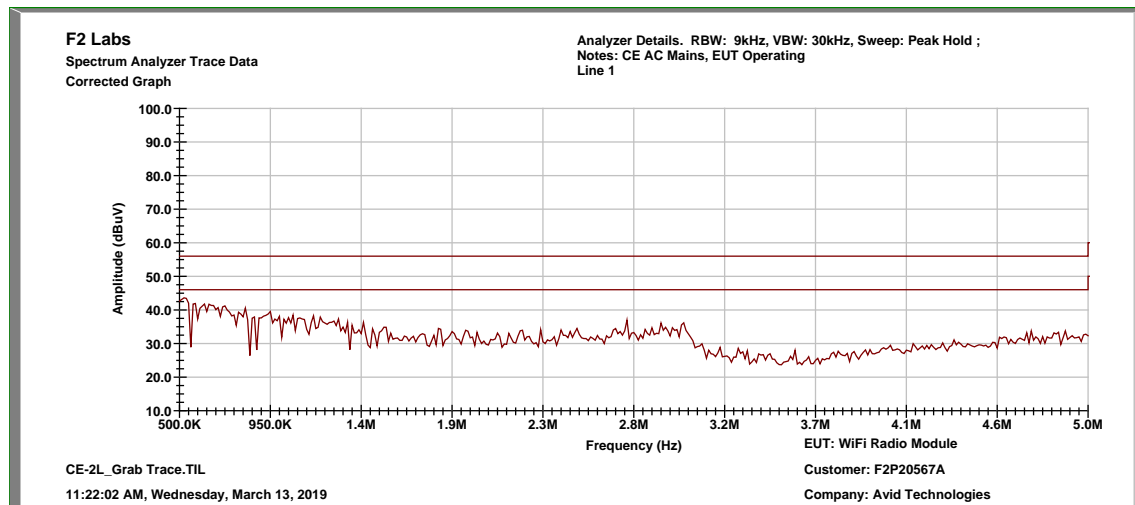
Test Date(s):	Mar. 13, 2019	Test Engineer:	J. Chiller
Rule:	15.207	Air Temperature:	20.5° C
Test Results:	Complies	Relative Humidity:	34%

Note: The data below represents worst case results of all three channels.

Conducted Test – Line 1: 0.15 MHz to 0.5 MHz

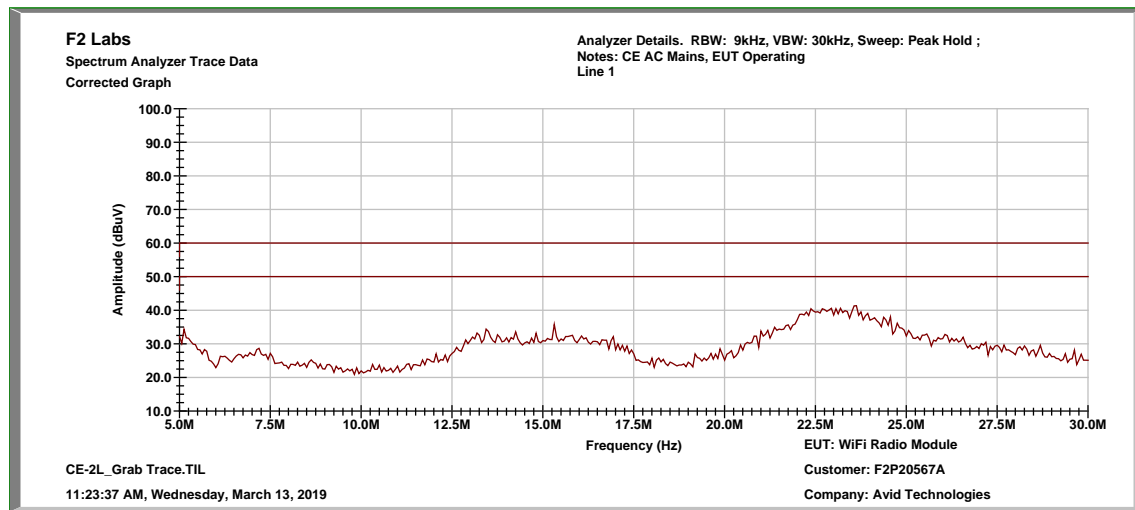


Conducted Test – Line 1: 0.5 MHz to 5.0 MHz





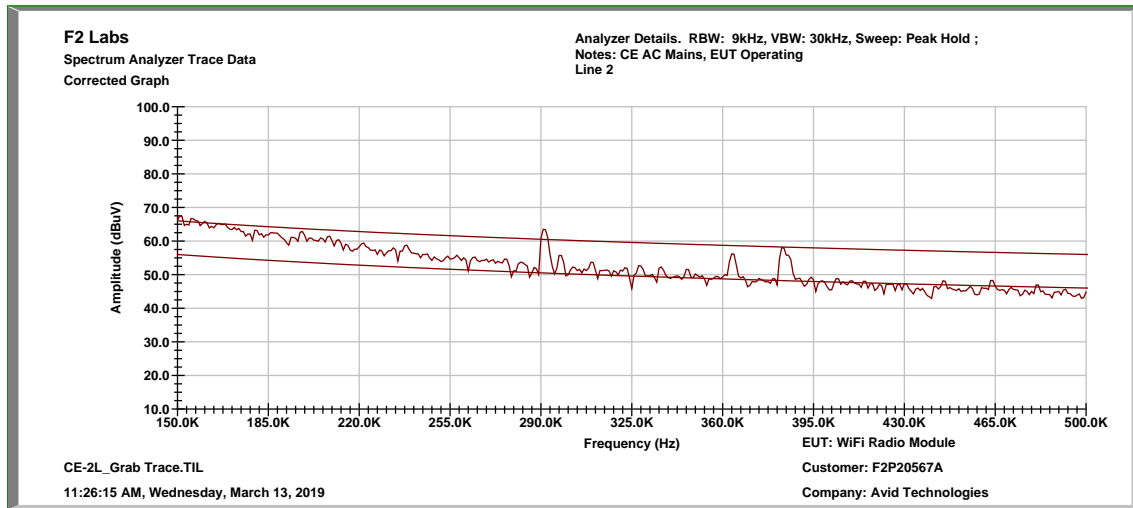
Conducted Test – Line 1: 5.0 MHz to 30.0 MHz



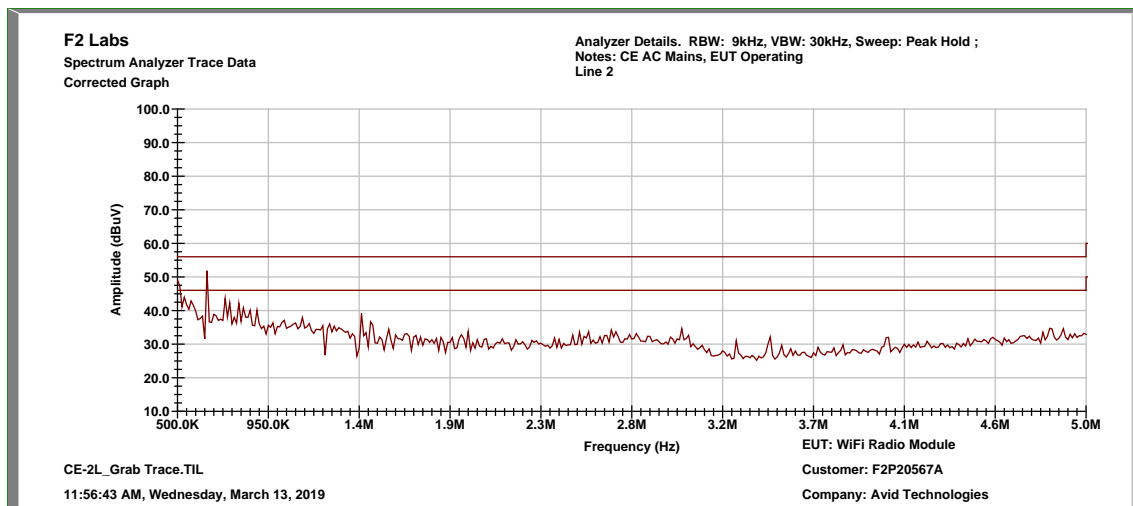
Top Discrete Measurements								
No.	Conductor	Frequency (MHz)	Detector	Level (dBμV)	Adjustment (dB)	Results (dBμV)	Limit (dBμV)	Margin (dB)
1	Line 1	0.15875	Quasi-Peak	43.4	11.547	54.95	65.530	-10.6
			Average	27.33	11.547	38.88	55.530	-16.7
2	Line 1	0.16575	Quasi-Peak	42.13	11.473	53.60	65.171	-11.6
			Average	25.60	11.473	37.07	55.171	-18.1
3	Line 1	0.171000	Quasi-Peak	40.92	11.417	52.34	64.913	-12.6
			Average	22.2	11.417	33.62	54.913	-21.3
4	Line 1	0.19375	Quasi-Peak	39.15	11.176	50.33	63.875	-13.5
			Average	19.04	11.176	30.22	53.875	-23.7
5	Line 1	0.20400	Quasi-Peak	37.44	11.070	48.51	63.437	-14.9
			Average	20.4	11.070	31.47	53.437	-22.0
6	Line 1	0.212125	Quasi-Peak	36.31	10.996	47.31	63.122	-15.8
			Average	20.31	10.996	31.31	53.122	-21.8
7	Line 1	0.2725	Quasi-Peak	31.29	10.631	41.92	61.042	-19.1
			Average	13.95	10.631	24.58	51.042	-26.5



Conducted Test – Line 2: 0.15 MHz to 0.5 MHz

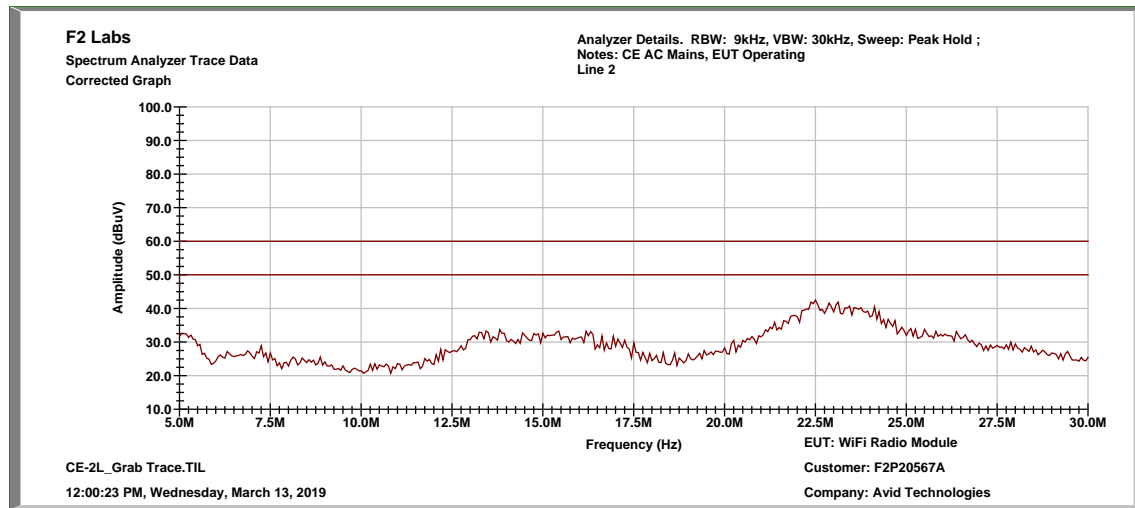


Conducted Test – Line 2: 0.5 MHz to 5.0 MHz





Conducted Test – Line 2: 5.0 MHz to 30.0 MHz



Top Discrete Measurements								
No.	Conductor	Frequency (MHz)	Detector	Level (dBμV)	Adjustment (dB)	Results (dBμV)	Limit (dBμV)	Margin (dB)
1	Line 2	0.15175	Quasi-Peak	49.78	11.640	61.42	66.00	-4.6
			Average	27.79	11.640	39.43	56.00	-16.6
2	Line 2	0.156125	Quasi-Peak	41.44	11.575	53.02	65.669	-12.7
			Average	22.7	11.575	34.28	55.669	-21.4
3	Line 2	0.161375	Quasi-Peak	42.90	11.519	54.42	65.394	-11.0
			Average	26.11	11.519	37.63	55.394	-17.8
4	Line 2	0.166625	Quasi-Peak	42.34	11.464	53.80	65.128	-11.3
			Average	25.06	11.464	36.52	55.128	-18.6
5	Line 2	0.198125	Quasi-Peak	37.6	11.310	48.91	63.690	-14.8
			Average	21.48	11.130	32.61	53.690	-21.1
6	Line 2	0.29175	Quasi-Peak	30.87	10.623	41.49	60.475	-19.0
			Average	12.55	10.623	23.17	50.475	-27.3
7	Line 2	0.297875	Quasi-Peak	32.67	10.621	43.29	60.302	-17.0
			Average	13.64	10.621	24.26	50.302	-26.0
8	Line 2	0.364375	Quasi-Peak	27.84	10.588	38.43	58.625	-20.2
			Average	7.323	10.588	17.91	48.625	-30.7
9	Line 2	0.383625	Quasi-Peak	27.56	10.578	38.14	58.201	-20.1
			Average	9.982	10.578	20.56	48.201	-27.6
10	Line 2	0.500	Quasi-Peak	23.15	10.540	33.69	56.0	-22.3
			Average	10.07	10.540	20.61	46.0	-25.4
11	Line 2	0.64625	Quasi-Peak	21.36	10.446	31.81	56.0	-24.2
			Average	6.536	10.446	16.98	46.0	-29.0



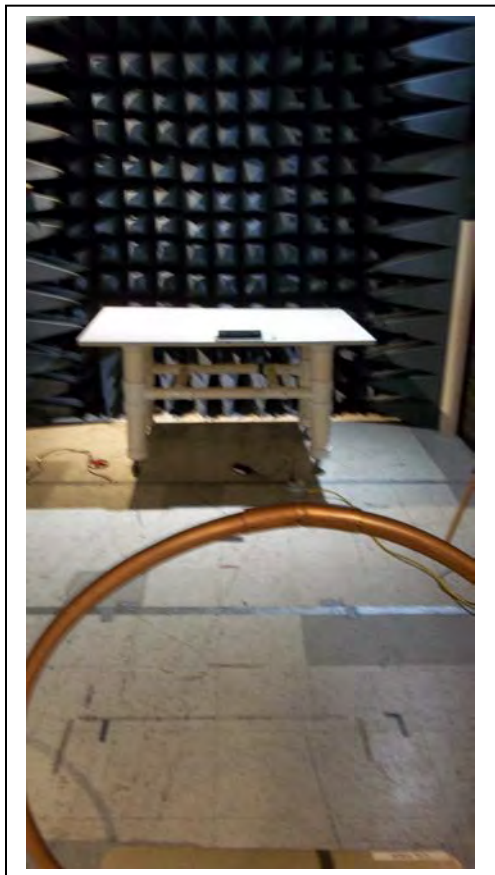
14 PHOTOGRAPHS

General Test Setup



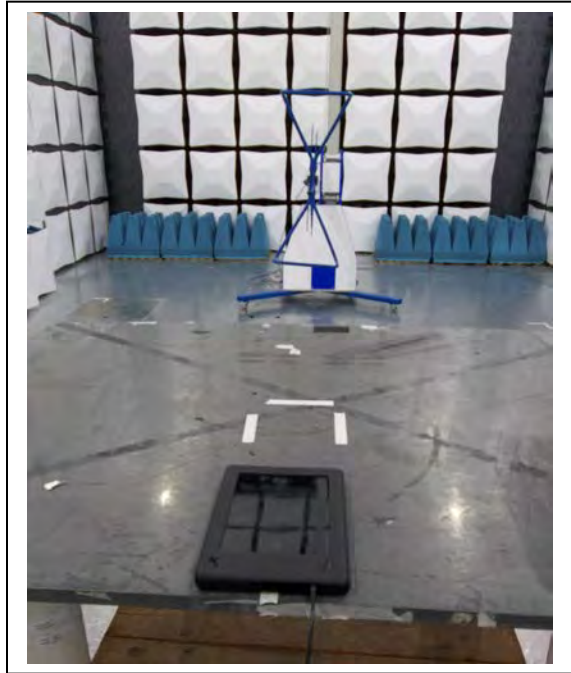


Radiated Spurious Emissions, Less Than 30 MHz

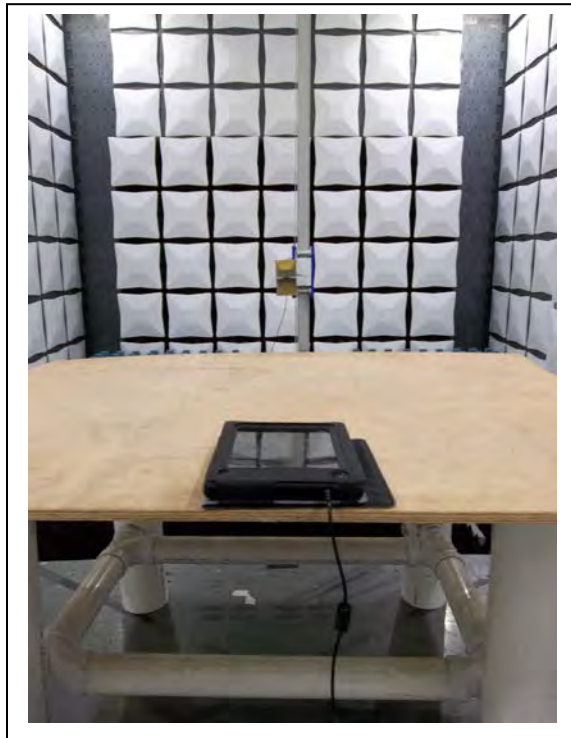




Radiated Spurious Emissions, 30 MHz to 1000 MHz

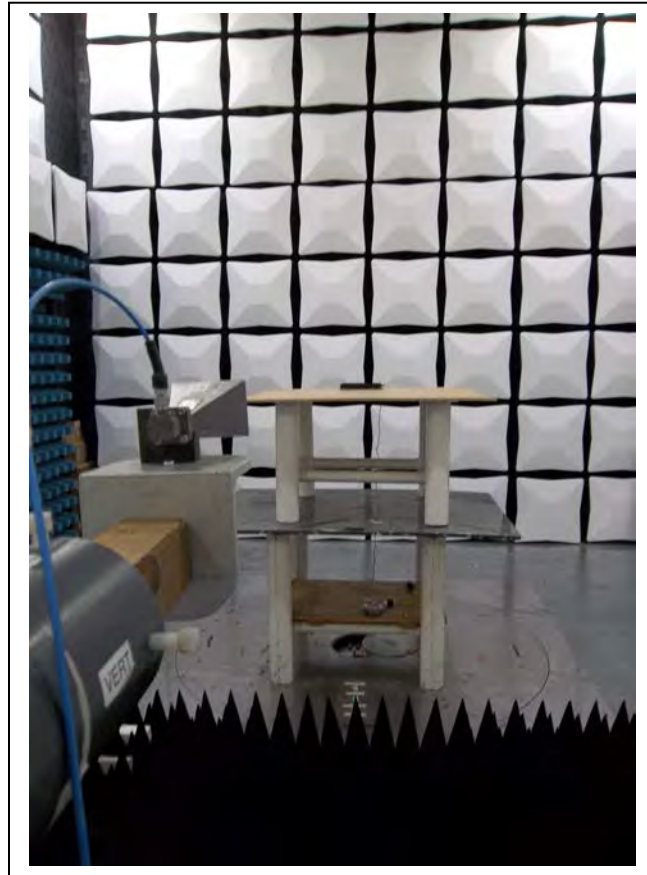


Radiated Spurious Emissions, 1 GHz to 18 GHz





Radiated Spurious Emissions, 18 GHz to 26 GHz



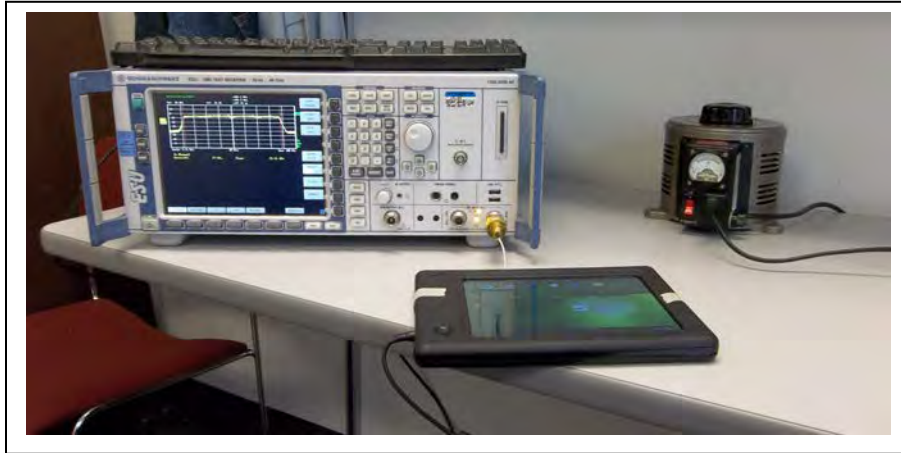


Radiated Spurious Emissions, 26 GHz to 40 GHz





Voltage Variations





Conducted Emissions

