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December 13, 2017

Ubiquiti Networks
1250 S. Grove Ave. Suite 100
Barrington, IL 60010

Dear Alex Pavlos,

Enclosed is the EMC Wireless test report for compliance testing of the Ubiquiti Networks, AirFiber 5XHD as tested to the requirements of Title 47 of the CFR, Ch. 1 (10-1-06 ed.), Title 47 of the CFR, Part 15.407, Subpart E (UNII 2).

Thank you for using the services of MET Laboratories, Inc. If you have any questions regarding these results or if MET can be of further service to you, please feel free to contact me.

Sincerely yours,
MET LABORATORIES, INC.

Joel Huna
Documentation Department

Reference: (\Ubiquiti Networks\EMC94950-FCC407 UNII 2 Rev. 2)

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Electromagnetic Compatibility Criteria Test Report

for the

**Ubiquiti Networks
Model AirFiber 5XHD**

Tested under
the FCC Certification Rules
contained in
Title 47 of the CFR
15.407 Subpart E

MET Report: EMC94950-FCC407 UNII 2 Rev. 2

December 13, 2017

Prepared For:

**Ubiquiti Networks
1250 S. Grove Ave. Suite 100
Barrington, IL 60010**

Prepared By:

MET Laboratories, Inc.

914 West Patapsco Avenue, Baltimore, MD 21230

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contained in
Title 47 of the CFR
15.407 Subpart E



Donald Salguero, Project Engineer
Electromagnetic Compatibility Lab



Joel Huna
Documentation Department

Engineering Statement: The measurements shown in this report were made in accordance with the procedures indicated, and the emissions from this equipment were found to be within the limits applicable. I assume full responsibility for the accuracy and completeness of these measurements, and for the qualifications of all persons taking them. It is further stated that upon the basis of the measurements made, the equipment tested is capable of operation in accordance with the requirements of 15.407 of the FCC Rules under normal use and maintenance.



John Mason,
Director, Electromagnetic Compatibility Lab

Report Status Sheet

Revision	Report Date	Reason for Revision
Ø	October 3, 2017	Initial Issue.
1	November 6, 2017	Editorial corrections.
2	December 13, 2017	Updated MPE.

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Plot 181. Conducted Transmitter Output Power, UNII 2C, BW 10M, Ch 5600M, 2x2 13dBi chain 0	80
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Plot 186. Conducted Transmitter Output Power, UNII 2C, BW 20M, Ch 5480M, 2x2 13dBi chain 1	82
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Plot 236. Conducted Transmitter Output Power, UNII 2C, BW 20M, Ch 5600M, 2x2 22dBi chain 1	100
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List of Terms and Abbreviations

AC	Alternating Current
ACF	Antenna Correction Factor
Cal	Calibration
<i>d</i>	Measurement Distance
dB	Decibels
dBμA	Decibels above one microamp
dBμV	Decibels above one microvolt
dBμA/m	Decibels above one microamp per meter
dBμV/m	Decibels above one microvolt per meter
DC	Direct Current
E	Electric Field
DSL	Digital Subscriber Line
ESD	Electrostatic Discharge
EUT	Equipment Under Test
<i>f</i>	Frequency
FCC	Federal Communications Commission
GRP	Ground Reference Plane
H	Magnetic Field
HCP	Horizontal Coupling Plane
Hz	Hertz
IEC	International Electrotechnical Commission
kHz	kilohertz
kPa	kilopascal
kV	kilovolt
LISN	Line Impedance Stabilization Network
MHz	Megahertz
μH	microhenry
μ	microfarad
μs	microseconds
PRF	Pulse Repetition Frequency
RF	Radio Frequency
RMS	Root-Mean-Square
TWT	Traveling Wave Tube
V/m	Volts per meter
VCP	Vertical Coupling Plane

I. Executive Summary

A. Purpose of Test

An EMC evaluation was performed to determine compliance of the Ubiquiti Networks AirFiber 5XHD, with the requirements of Part 15, §15.407. All references are to the most current version of Title 47 of the Code of Federal Regulations in effect. In accordance with §2.1033, the following data is presented in support of the Certification of the AirFiber 5XHD. Ubiquiti Networks should retain a copy of this document which should be kept on file for at least two years after the manufacturing of the AirFiber 5XHD, has been **permanently** discontinued.

B. Executive Summary

The following tests were conducted on a sample of the equipment for the purpose of demonstrating compliance with Part 15, §15.407, in accordance with Ubiquiti Networks, purchase order number US101490. All tests were conducted using measurement procedure ANSI C63.4-2014.

FCC Reference	Description	Results
§15.203	Antenna Requirement	Compliant
§15.403(i)	26 dB Occupied Bandwidth	Compliant
§15.407 (a)(2)	Maximum Conducted Output Power	Compliant
§15.407 (a)(2)	Maximum Power Spectral Density	Compliant
§15.407 (b)(2 – 3)& (6 - 7)	Undesirable Emissions	Compliant
§15.407(b)(6)	Conducted Emission	Compliant
§15.407(f)	RF Exposure	Compliant
§15.407(g)	Frequency Stability	Compliant

Table 1. Executive Summary of EMC Part 15.407 Compliance Testing

II. Equipment Configuration

A. Overview

MET Laboratories, Inc. was contracted by Ubiquiti Networks to perform testing on the AirFiber 5XHD, under Ubiquiti Networks's purchase order number US101490.

This document describes the test setups, test methods, required test equipment, and the test limit criteria used to perform compliance testing of the Ubiquiti Networks AirFiber 5XHD.

The results obtained relate only to the item(s) tested.

Model(s) Tested:	AirFiber 5XHD	
Model(s) Covered:	AirFiber 5XHD	
EUT Specifications:	Primary Power: 120 VAC 60 Hz	
	FCC ID: SWX-AF5XHD	
	Type of Modulations:	Proprietary OFDM
	Equipment Code:	NII
	Peak RF Output Power:	29.951 dBm e.i.r.p. 16.951 dBm + 13dBi antenna
	EUT Frequency Ranges:	5255 – 5345 MHz, 5475 - 5720 MHz
	Bandwidths:	10/20/30/40/50/60/80/100 MHz
Analysis:	The results obtained relate only to the item(s) tested.	
Environmental Test Conditions:	Temperature: 15-35° C	
	Relative Humidity: 30-60%	
	Barometric Pressure: 860-1060 mbar	
Type of Filing:	Original	
Evaluated by:	Donald Salguero	
Report Date(s):	December 13, 2017	

Table 2. EUT Summary

B. References

CFR 47, Part 15, Subpart E	Unlicensed National Information Infrastructure Devices (UNII)
ANSI C63.4:2014	Methods and Measurements of Radio-Noise Emissions from Low-Voltage Electrical And Electronic Equipment in the Range of 9 kHz to 40 GHz
ISO/IEC 17025:2005	General Requirements for the Competence of Testing and Calibration Laboratories
ANSI C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices
789033 D02 General UNII Test Procedures New Rules v01	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E
905462 DO2 UNII DFS Compliance Procedures New Rules v01r02	Compliance Measurement Procedures for Unlicensed-National Information Infrastructure Devices Operating in the 5250-5350 MHz and 5470-5725 MHz Bands Incorporating Dynamic Frequency Selection

Table 3. References

C. Test Site

All testing was performed at MET Laboratories, Inc., 914 West Patapsco Avenue, Baltimore, MD 21230. All equipment used in making physical determinations is accurate and bears recent traceability to the National Institute of Standards and Technology.

MET Laboratories is a ISO/IEC 17025 accredited site by A2LA. Baltimore #0591.01.

Radiated Emissions measurements were performed in a 3 meter semi-anechoic chamber (equivalent to an Open Area Test Site). In accordance with §2.948(a)(3), a complete site description is contained at MET Laboratories.

D. Description of Test Sample

The Ubiquiti Networks AirFiber 5XHD, Equipment Under Test (EUT), is a 5.150GHz – 5.850GHz, Digital Transmission radio that uses OFDM MIMO Uncorrelated Cross-Polarized communication with a 100/80/60/50MHz/40MHz/30MHz/20MHz/10MHz bandwidth configuration. The EUT would be used outdoors and pole mounted. It is powered from a PoE adapter. The reverse-polarized connectorized has the ability when professionally installed by a user with cross-polarized antennas. This is the only matter that would be able to create a functional link to work.

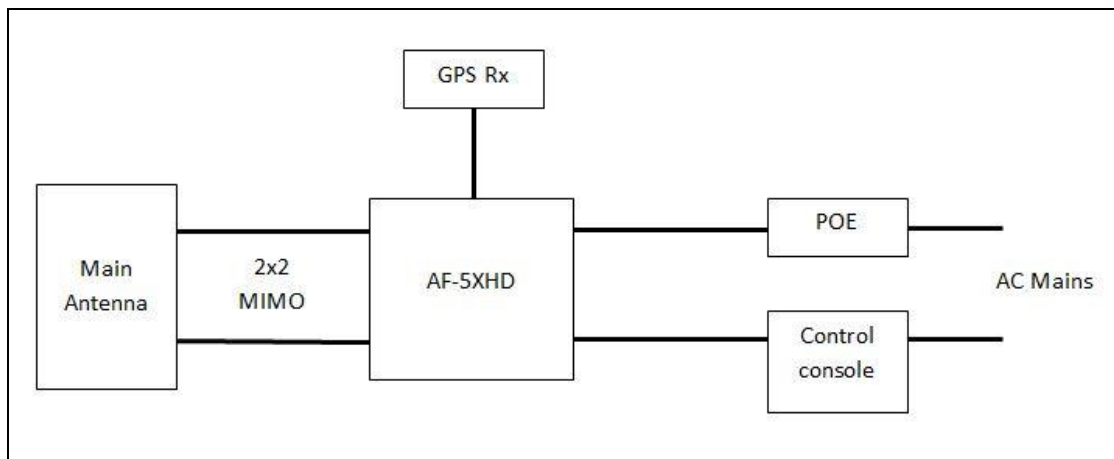


Figure 1. Block Diagram of Test Configuration

E. Equipment Configuration

The EUT was set up as outlined in Figure 1, Block Diagram of Test Setup. All cards, racks, etc., incorporated as part of the EUT is included in the following list.

Ref. ID	Slot #	Name / Description	Model Number	Part Number	Serial Number	Rev. #
1		Switching Gigabit Power Supply	GP-H240-100G-4	1514	0000936	
2		Middle Gain Omni	AMO-5G10	AM5E	43771	
3		5 GHz 34dBi Slant 45 Antenna	AF-5G34-S45	AF5C	07623	
4		Ethernet Cables	N/A	N/A	N/A	
5		GPS Antenna	N/A	N/A	N/A	
6		Sector Antenna	N/A	N/A	N/A	

Table 4. Equipment Configuration

F. Support Equipment

Support equipment necessary for the operation and testing of the EUT is included in the following list.

Ref. ID	Name / Description	Manufacturer	Model Number	*Customer Supplied Calibration Data
1	Laptop	HP	Pro Book 430 G1	N/A
2	Laptop	ASUS	X502C	N/A
3	Laptop	Apple	MacBook Pro	N/A

The 'Customer Supplied Calibration Data' column will be marked as either not applicable, not available, or will contain the calibration date supplied by the customer.

Table 5. Support Equipment

G. Ports and Cabling Information

Ref. ID	Port name on EUT	Cable Description or reason for no cable	Qty	Length as tested (m)	Max Length (m)	Shielded? (Y/N)	Termination Box ID & Port Name
1	Management Port	RJ45 Ethernet	1	2		Yes	
2	Data Port	RJ45 Ethernet	1	2		Yes	
3	RP sma CH0	RF coax	1	2		Yes	
4	RP sma CH1	RF coax	1	2		Yes	

Table 6. Ports and Cabling Information

H. Mode of Operation

Using internal test modes only for testing purposes the radio is set up in a continuous transmit mode. This allows for frequency, power, and channel bandwidth to be adjusted for measurement purposes. Scripts and specific command line commands are used to manipulate the radio in test mode.

I. Method of Monitoring EUT Operation

1. A blinking green “Data” LED will indicate error-free data is being transferred on the test cable.
2. Any other LED status besides the blinking green LED (i.e. LED light off, etc) will indicate error-free data is not being transferred on the test cable.

J. Modifications

a) Modifications to EUT

No modifications were made to the EUT.

b) Modifications to Test Standard

No modifications were made to the test standard.

K. Disposition of EUT

The test sample including all support equipment submitted to the Electro-Magnetic Compatibility Lab for testing was returned to Ubiquiti Networks upon completion of testing.

III. Electromagnetic Compatibility Criteria for Intentional Radiators

Electromagnetic Compatibility Criteria for Intentional Radiators

§ 15.203 Antenna Requirement

Test Requirement: **§ 15.203:** An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

The structure and application of the EUT were analyzed to determine compliance with Section 15.203 of the Rules. Section 15.203 states that the subject device must meet at least one of the following criteria:

- a.) Antenna must be permanently attached to the unit.
- b.) Antenna must use a unique type of connector to attach to the EUT.
- c.) Unit must be professionally installed. Installer shall be responsible for verifying that the correct antenna is employed with the unit.

Results: The EUT as tested is compliant the criteria of §15.203. The antenna is professionally installed. The gains of the antennae are 13dBi, 22dBi, and 34dBi. They are used for fixed point-to-point or point-to-multipoint operation.

Test Engineer(s): Donald Salguero

Test Date(s): August 10, 2017

Electromagnetic Compatibility Criteria for Intentional Radiators

§ 15. 403(i) 26dB Bandwidth

Test Requirements: **§ 15.403(i):** For purposes of this subpart the emission bandwidth shall be determined by measuring the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, that are 26 dB down relative to the maximum level of the modulated carrier. Determination of the emissions bandwidth is based on the use of measurement instrumentation employing a peak detector function with an instrument resolution bandwidth approximately equal to 1.0 percent of the emission bandwidth of the device under measurement.

Test Procedure: The transmitter was set to low, mid, and high operating frequencies at the highest output power and connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured with the spectrum analyzer using a RBW approximately equal to 1% of the total emission bandwidth, VBW > RBW. The 26 dB Bandwidth was measured and recorded.

Test Results The 26 dB Bandwidth was compliant with the requirements of this section.

Test Engineer(s): Donald Salguero

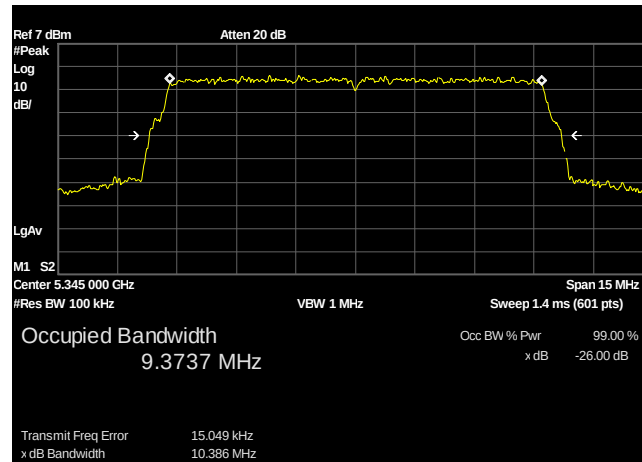
Test Date(s): August 10, 2017



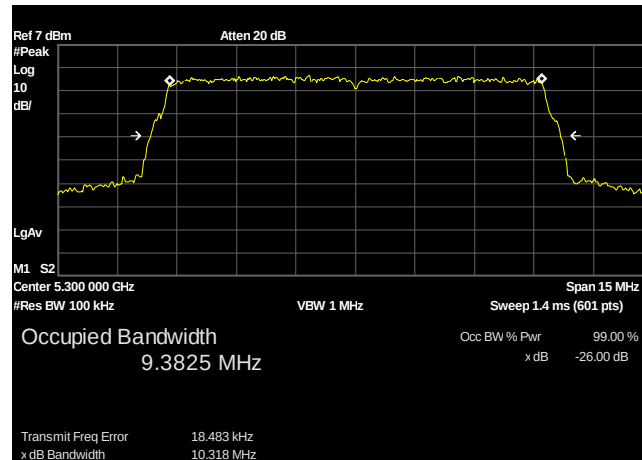
26 dB Occupied Bandwidth, UNII 2A

Channel Bandwidth	Frequency	26db Bandwidth
10	5255	10.322
	5300	10.318
	5345	10.386
20	5260	20.801
	5300	20.764
	5340	20.752
30	5265	31.06
	5300	31.059
	5335	31.064
40	5270	41.052
	5300	40.764
	5330	40.958
50	5275	52.082
	5300	52.152
	5325	52.04
60	5280	62.493
	5300	62.501
	5320	62.622
80	5310	82.877
	5300	83.146
	5290	82.944
100	5300	103.996

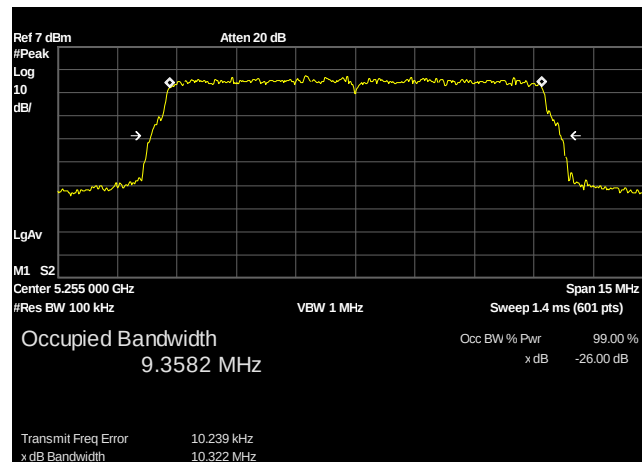
Table 7. 26 dB Occupied Bandwidth, UNII 2A, Test Results 1



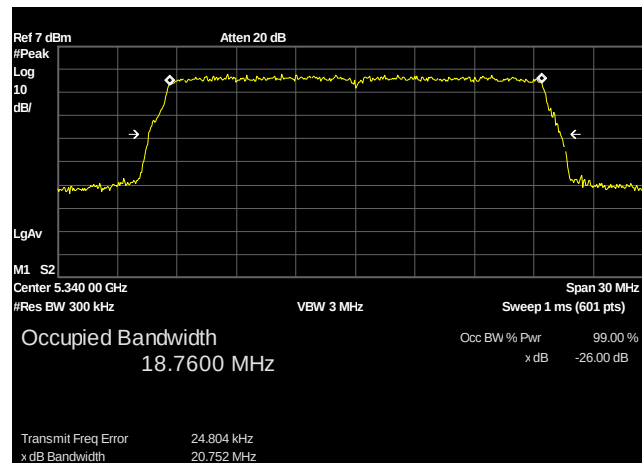
Plot 1. 26 dB Occupied Bandwidth, UNII 2A, 10M, 5345



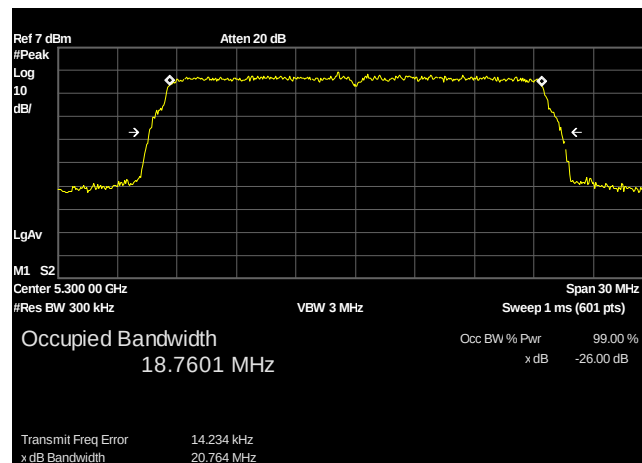
Plot 2. 26 dB Occupied Bandwidth, UNII 2A, 10M, 5300



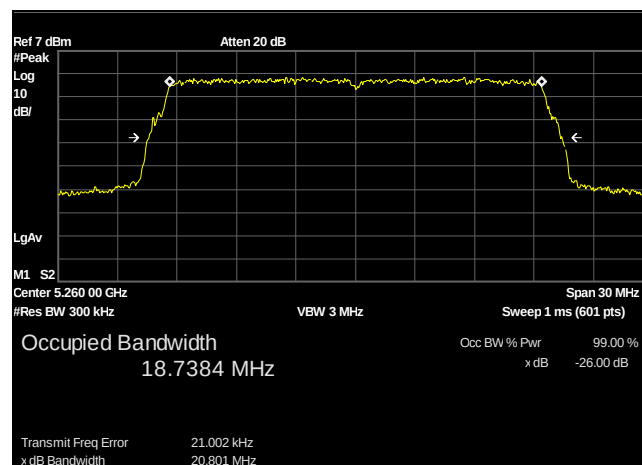
Plot 3. 26 dB Occupied Bandwidth, UNII 2A, 10M, 5255



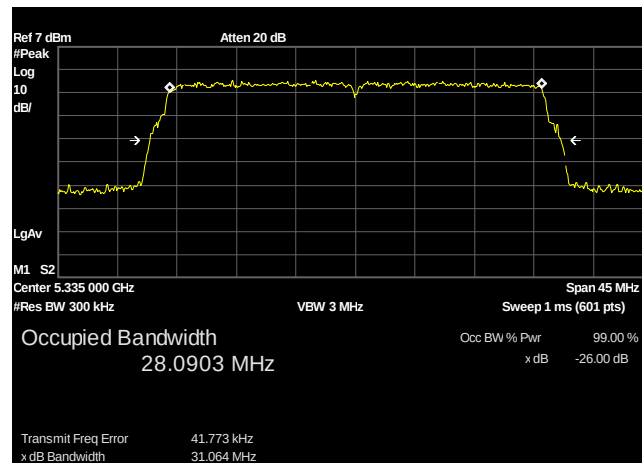
Plot 4. 26 dB Occupied Bandwidth, UNII 2A, 20M, 5340



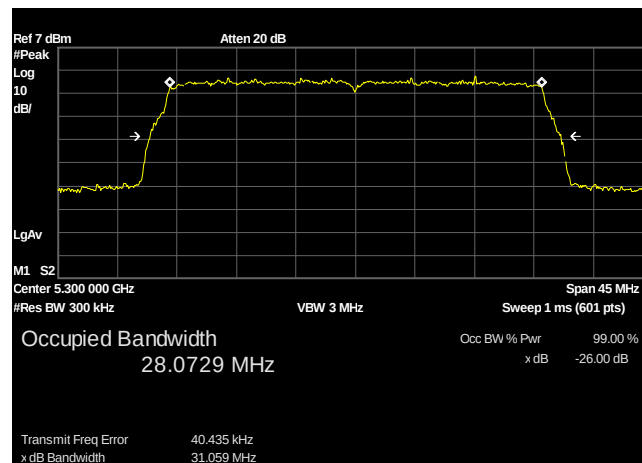
Plot 5. 26 dB Occupied Bandwidth, UNII 2A, 20M, 5300



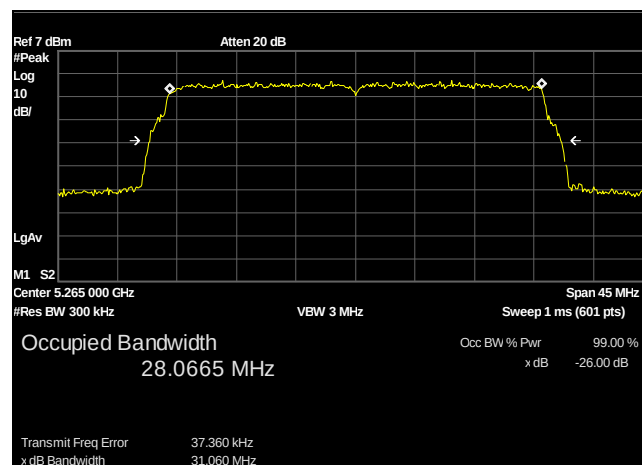
Plot 6. 26 dB Occupied Bandwidth, UNII 2A, 20M, 5260



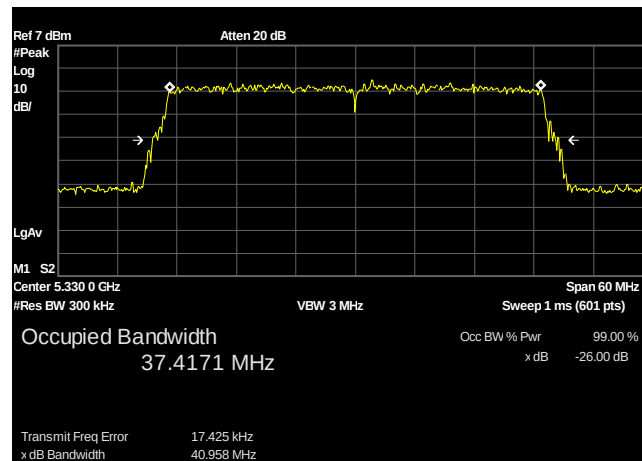
Plot 7. 26 dB Occupied Bandwidth, UNII 2A, 30M, 5335



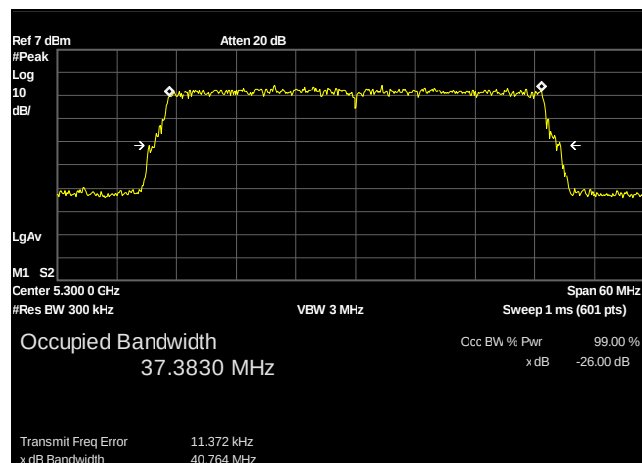
Plot 8. 26 dB Occupied Bandwidth, UNII 2A, 30M, 5300



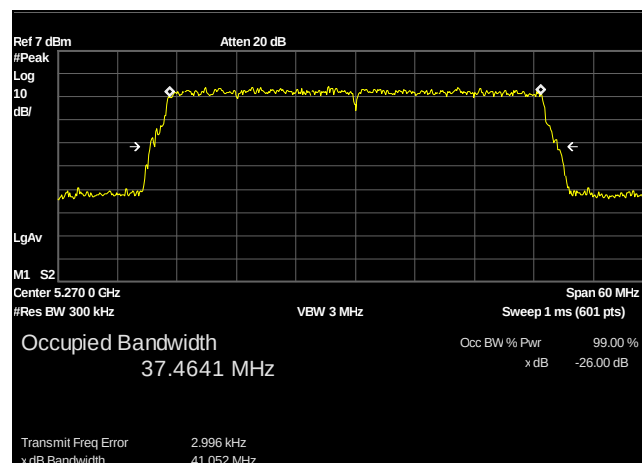
Plot 9. 26 dB Occupied Bandwidth, UNII 2A, 30M, 5265



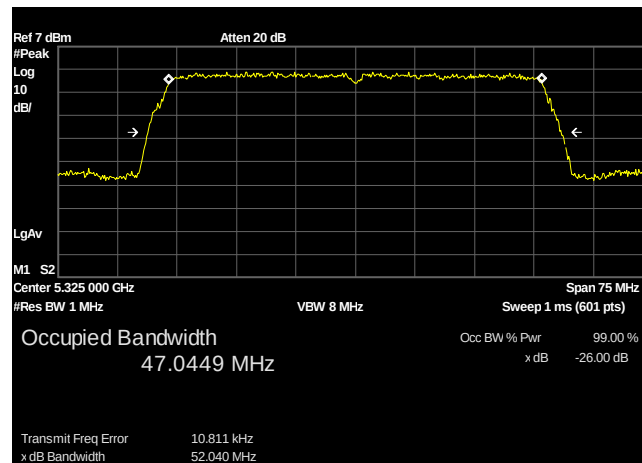
Plot 10. 26 dB Occupied Bandwidth, UNII 2A, 40M, 5330



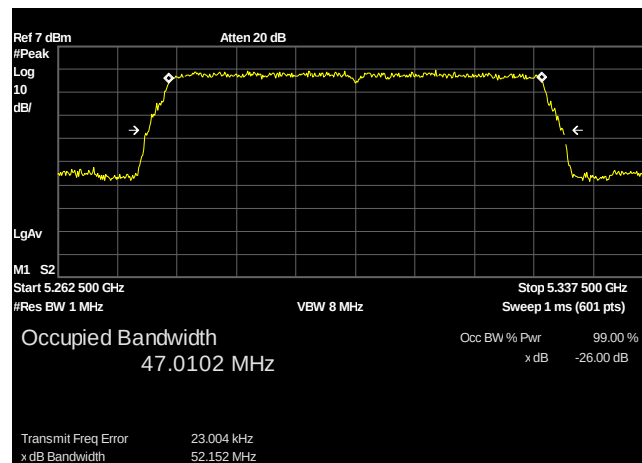
Plot 11. 26 dB Occupied Bandwidth, UNII 2A, 40M, 5300



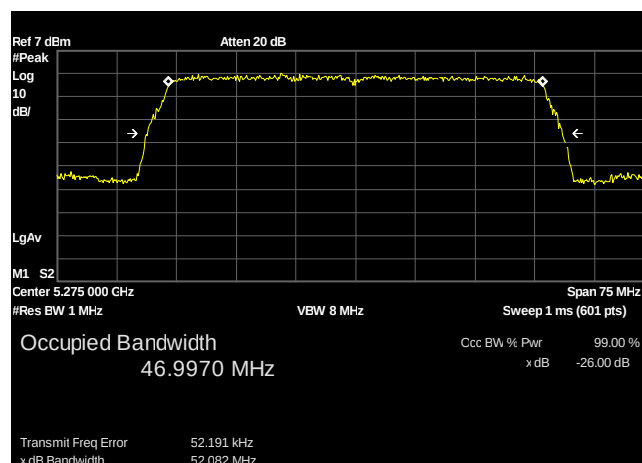
Plot 12. 26 dB Occupied Bandwidth, UNII 2A, 40M, 5270



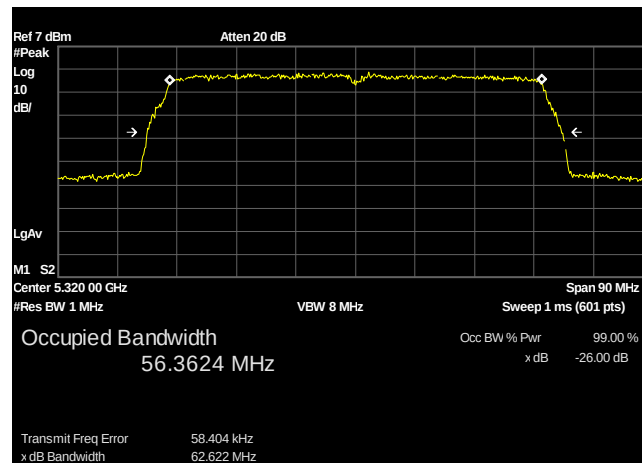
Plot 13. 26 dB Occupied Bandwidth, UNII 2A, 50M, 5320



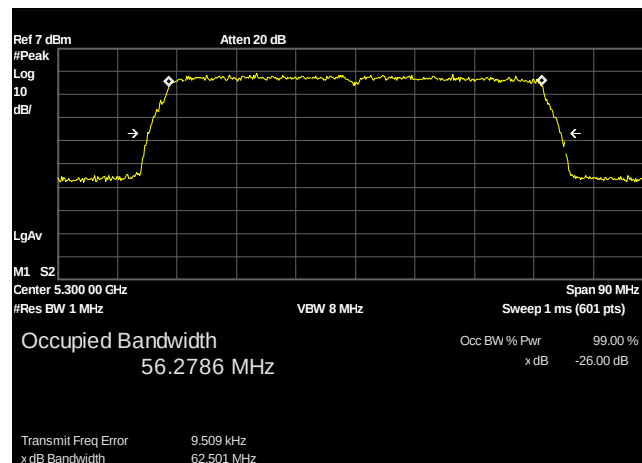
Plot 14. 26 dB Occupied Bandwidth, UNII 2A, 50M, 5300



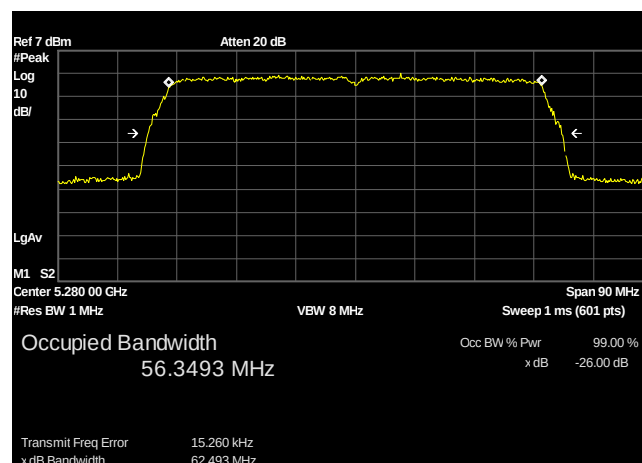
Plot 15. 26 dB Occupied Bandwidth, UNII 2A, 50M, 5275



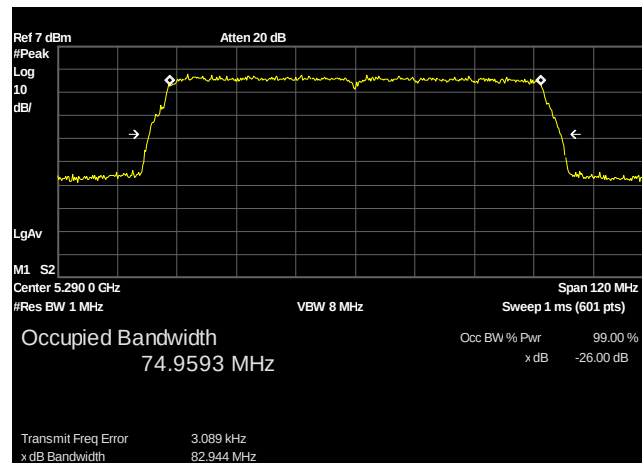
Plot 16. 26 dB Occupied Bandwidth, UNII 2A, 60M, 5320



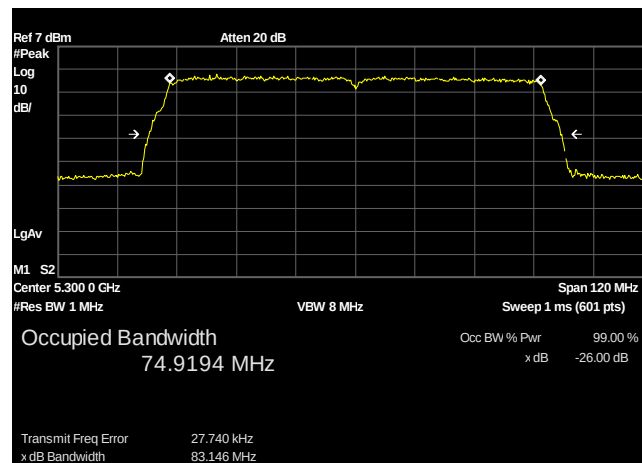
Plot 17. 26 dB Occupied Bandwidth, UNII 2A, 60M, 5300



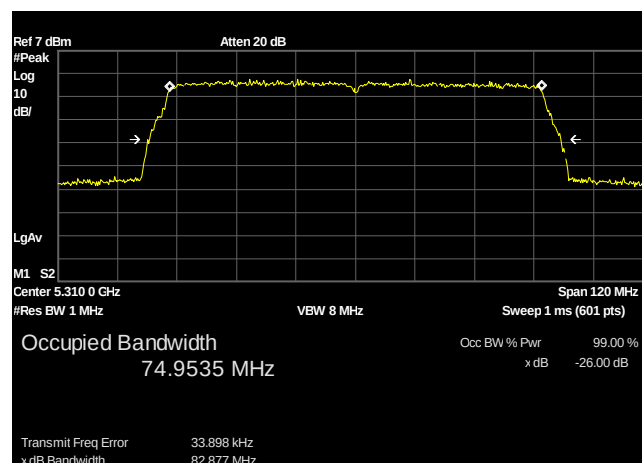
Plot 18. 26 dB Occupied Bandwidth, UNII 2A, 60M, 5280



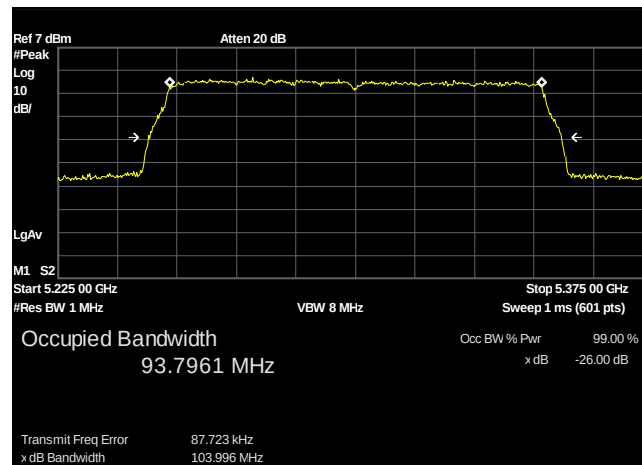
Plot 19. 26 dB Occupied Bandwidth, UNII 2A, 80M, 5290



Plot 20. 26 dB Occupied Bandwidth, UNII 2A, 80M, 5300



Plot 21. 26 dB Occupied Bandwidth, UNII 2A, 80M, 5310

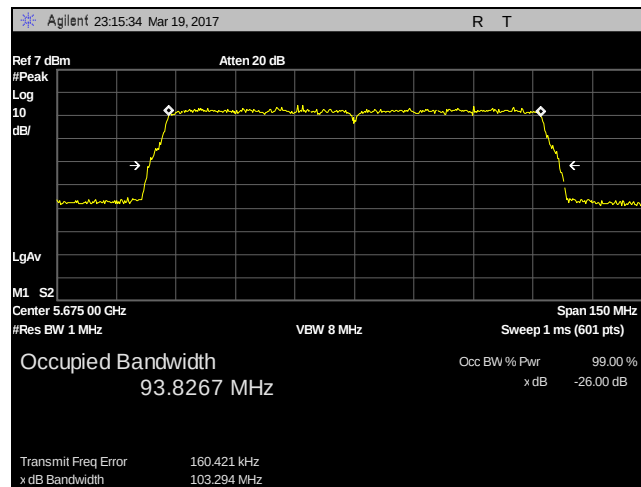


Plot 22. 26 dB Occupied Bandwidth, UNII 2A, 100M, 5300

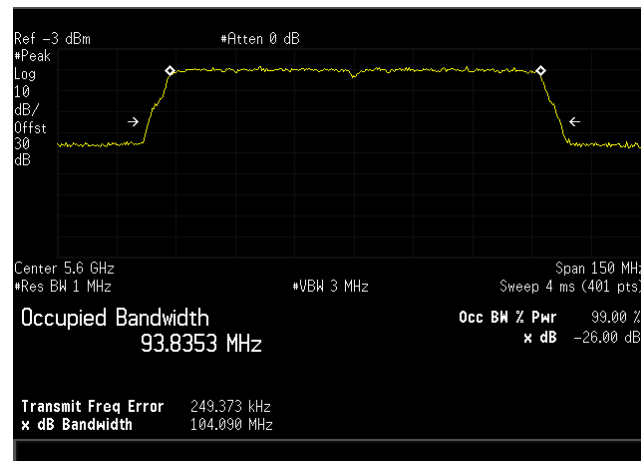
26 Occupied Bandwidth, UNII 2C

Channel Bandwidth	Frequency	26db Bandwidth
10	5475	10.377
	5600	10.347
	5720	10.341
20	5480	20.638
	5600	20.832
	5715	20.784
30	5485	31.221
	5600	30.938
	5710	30.985
40	5490	40.718
	5600	41.118
	5705	40.904
50	5495	51.998
	5600	52.263
	5700	52.36
60	5500	62.631
	5600	62.556
	5695	62.711
80	5510	83.524
	5600	83.002
	5685	83.187
100	5520	104.305
	5600	104.090
	5675	103.294

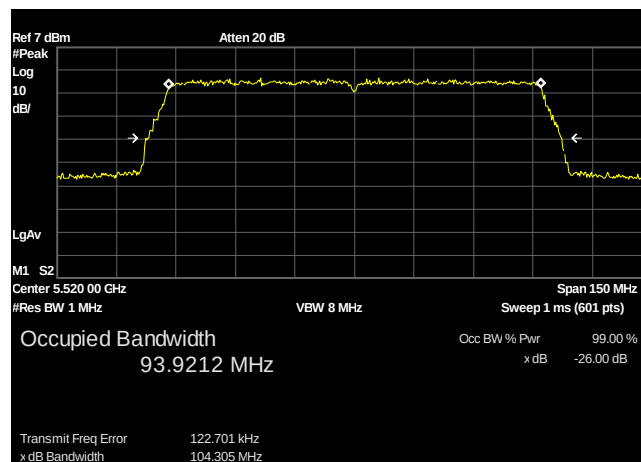
Table 8. 26 dB Occupied Bandwidth, UNII 2C, Test Results 2



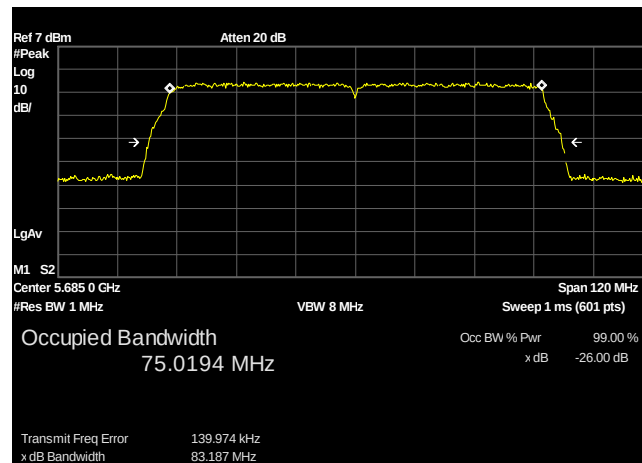
Plot 23. 26 dB Occupied Bandwidth, UNII 2C, 100M, 5675



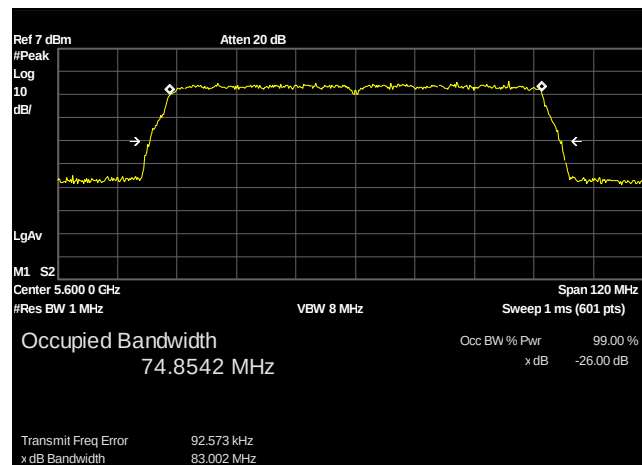
Plot 24. 26 dB Occupied Bandwidth, UNII 2C, 100M, 5600



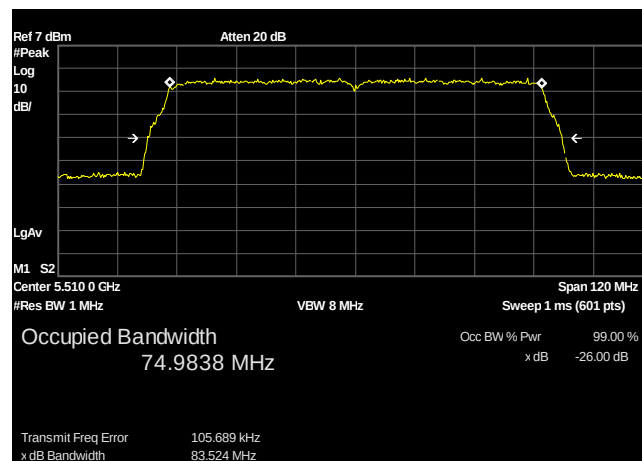
Plot 25. 26 dB Occupied Bandwidth, UNII 2C, 100M, 5520



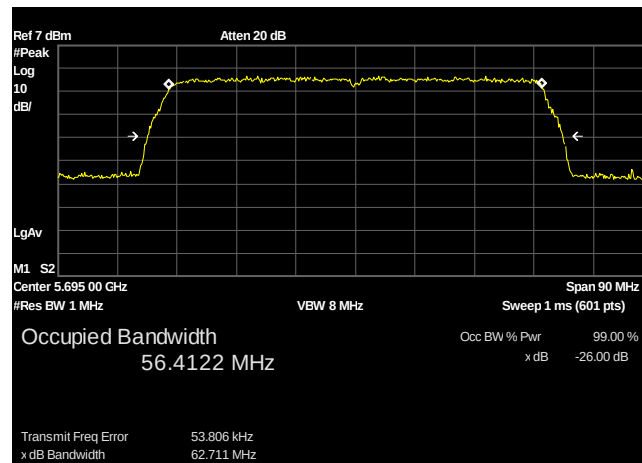
Plot 26. 26 dB Occupied Bandwidth, UNII 2C, 80M, 5685



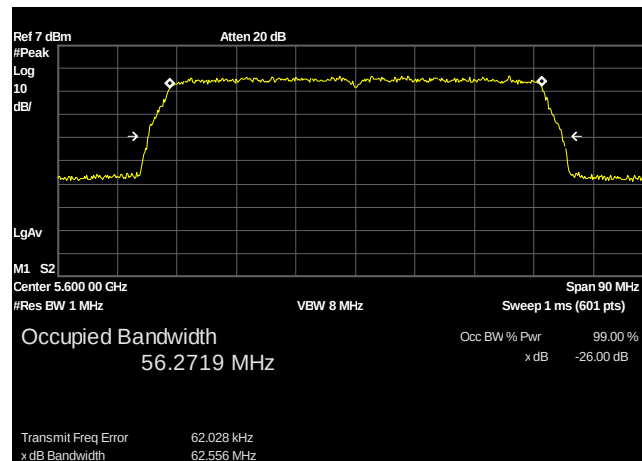
Plot 27. 26 dB Occupied Bandwidth, UNII 2C, 80M, 5600



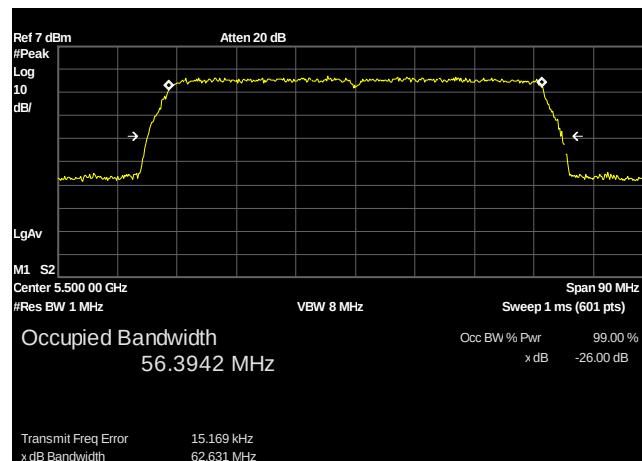
Plot 28. 26 dB Occupied Bandwidth, UNII 2C, 80M, 5510



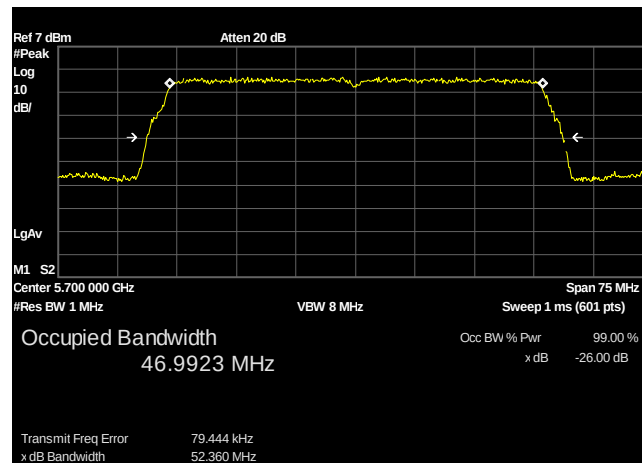
Plot 29. 26 dB Occupied Bandwidth, UNII 2C, 60M, 5695



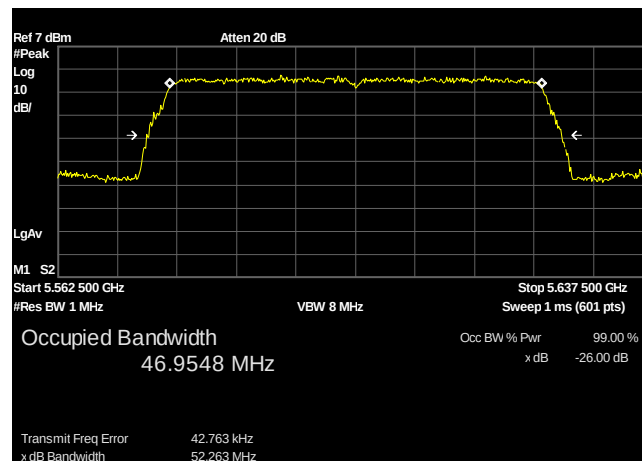
Plot 30. 26 dB Occupied Bandwidth, UNII 2C, 60M, 5600



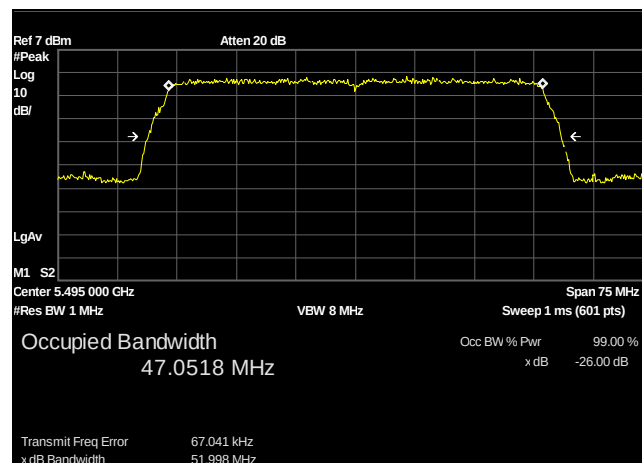
Plot 31. 26 dB Occupied Bandwidth, UNII 2C, 60M, 5500



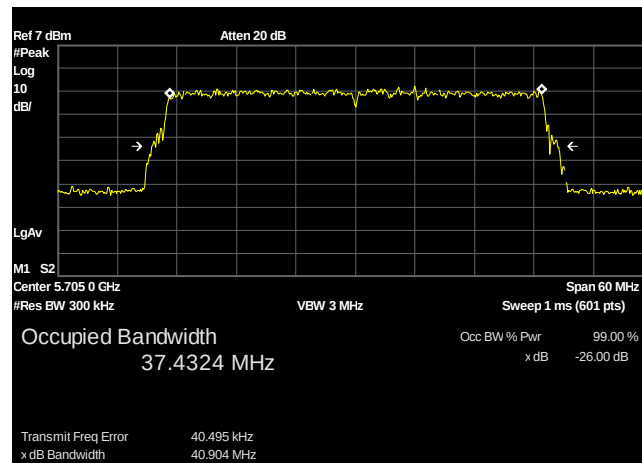
Plot 32. 26 dB Occupied Bandwidth, UNII 2C, 50M, 5700



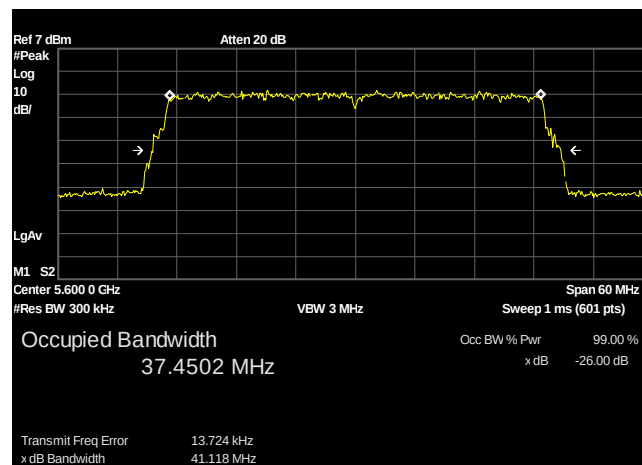
Plot 33. 26 dB Occupied Bandwidth, UNII 2C, 50M, 5600



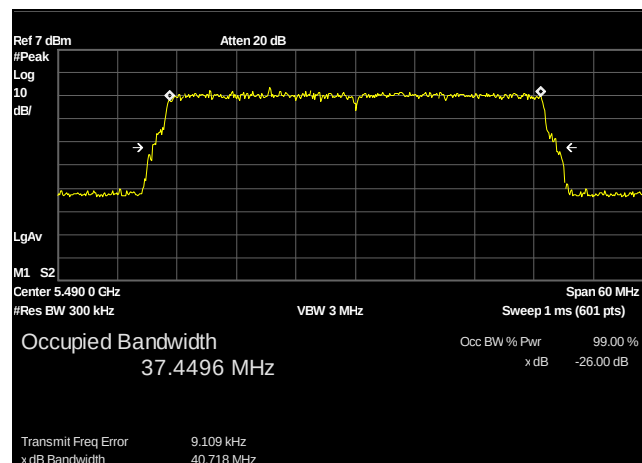
Plot 34. 26 dB Occupied Bandwidth, UNII 2C, 50M, 5495



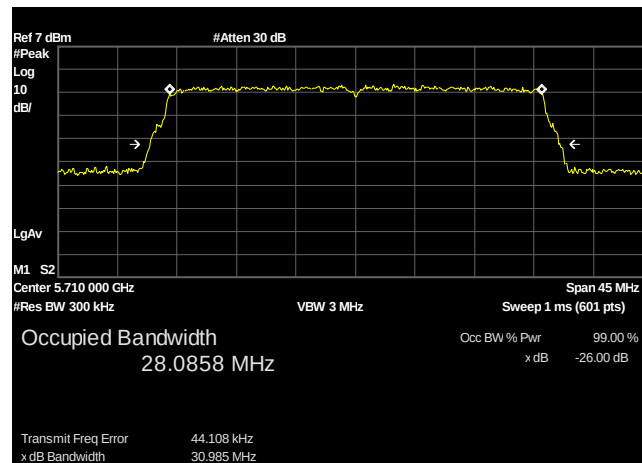
Plot 35. 26 dB Occupied Bandwidth, UNII 2C, 40M, 5705



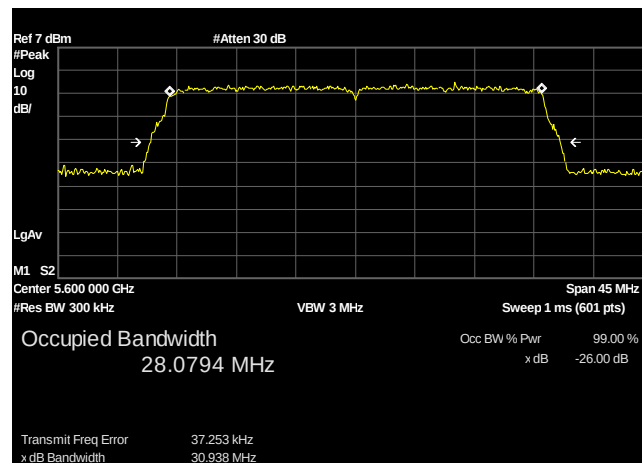
Plot 36. 26 dB Occupied Bandwidth, UNII 2C, 40M, 5600



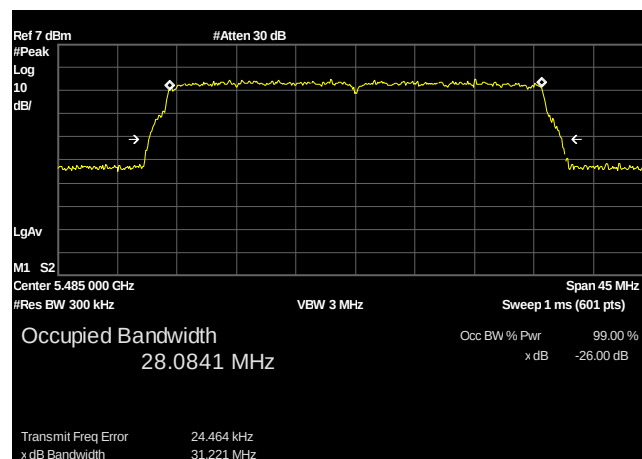
Plot 37. 26 dB Occupied Bandwidth, UNII 2C, 40M, 5490



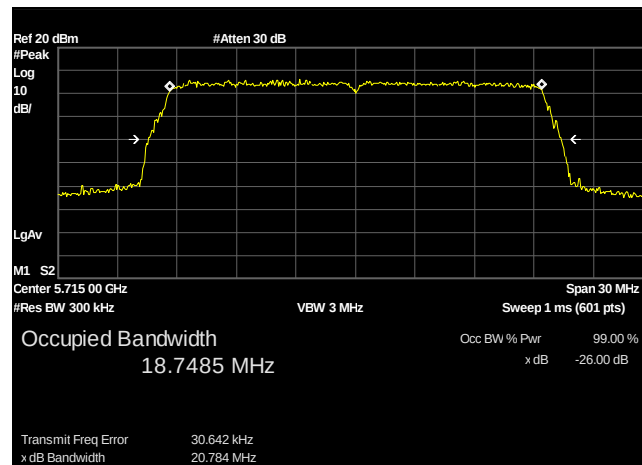
Plot 38. 26 dB Occupied Bandwidth, UNII 2C, 30M, 5710



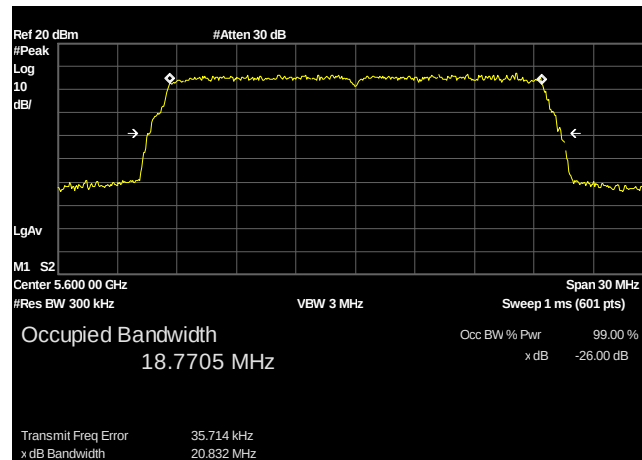
Plot 39. 26 dB Occupied Bandwidth, UNII 2C, 30M, 5600



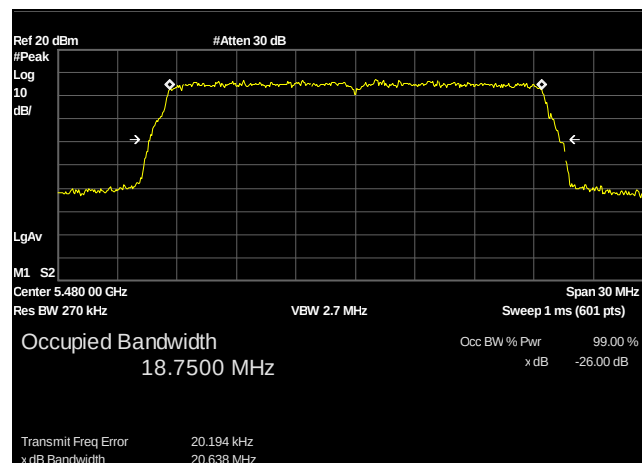
Plot 40. 26 dB Occupied Bandwidth, UNII 2C, 30M, 5485



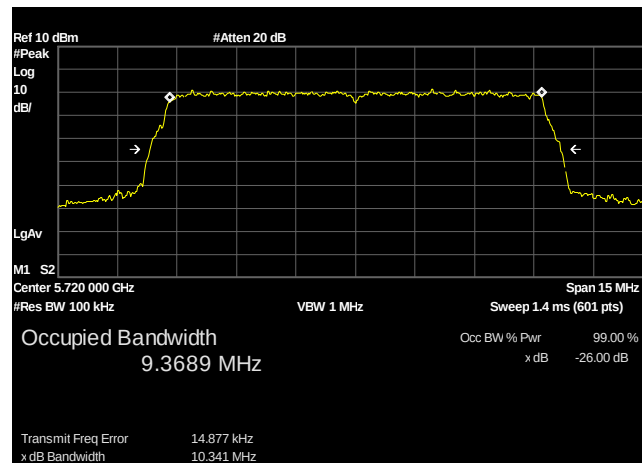
Plot 41. 26 dB Occupied Bandwidth, UNII 2C, 20M, 5715



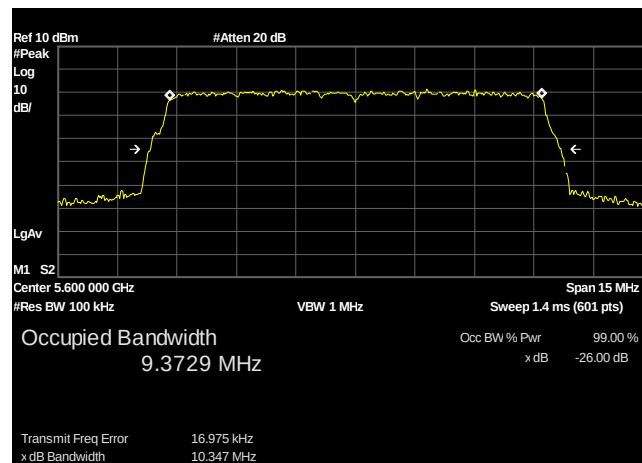
Plot 42. 26 dB Occupied Bandwidth, UNII 2C, 20M, 5600



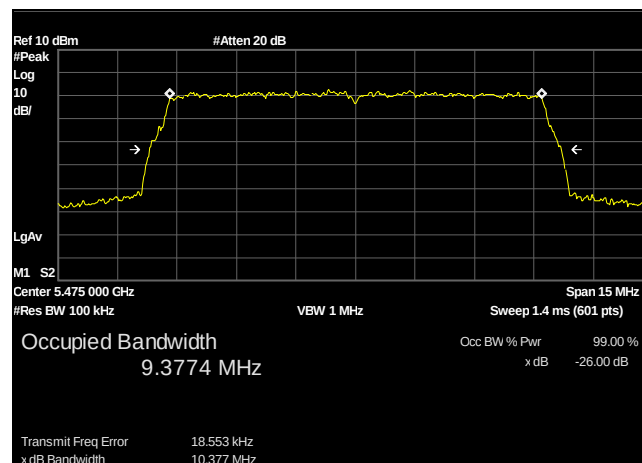
Plot 43. 26 dB Occupied Bandwidth, UNII 2C, 20M, 5480



Plot 44. 26 dB Occupied Bandwidth, UNII 2C, 10M, 5720



Plot 45. 26 dB Occupied Bandwidth, UNII 2C, 10M, 5600



Plot 46. 26 dB Occupied Bandwidth, UNII 2C, 10M, 5475

Electromagnetic Compatibility Criteria for Intentional Radiators

§15. 407(a)(2) Maximum Conducted Output Power

Test Requirements: §15.407(a)(2): For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz.

If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

§15.407(h)(1): Transmit power control (TPC). U-NII devices operating in the 5.25-5.35 GHz band and the 5.47-5.725 GHz band shall employ a TPC mechanism. The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30 dBm. A TPC mechanism is not required for systems with an e.i.r.p. of less than 500 mW.

Test Procedure: The EUT was connected to a spectrum analyzer through a cable and attenuator. Measurements were taken with the EUT set to transmit continuously on its low, mid, and high channels. Its power was measured according to measurement method SA-1, as described in 789033 D02 General UNII Test Procedures v01.

To verify the TPC requirement of the rule part, observations using the same measurement method were made with the EUT set to a lower power setting.

Test Results: The EUT as tested is compliant with the requirements of this section.

Test Engineer(s): Donald Salguero

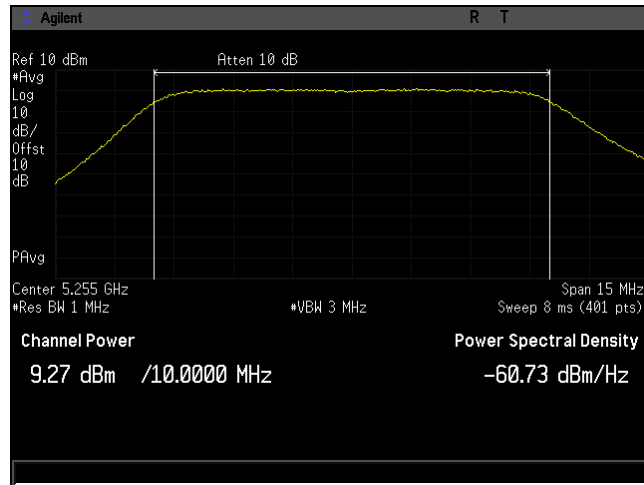
Test Date(s): August 30, 2017



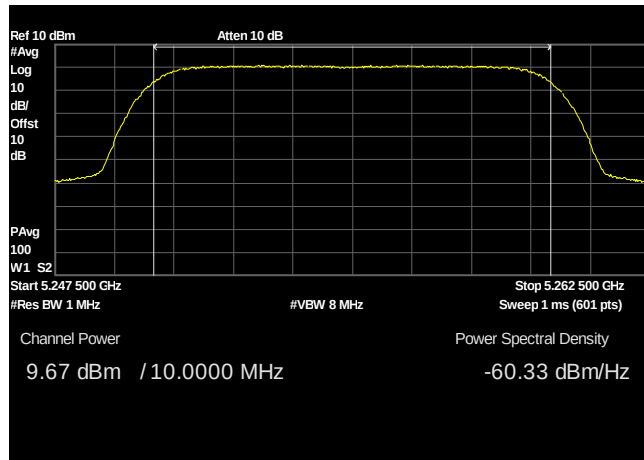
Conducted Transmitter Output Power, UNII 2A, 13 dBi

Channel BW (MHz)	Frequency (MHz)	Chain 0 (dBm)	Chain 1 (dBm)	Sum (dBm)	Limit (dBm)	Directional Gain (dBi)	Final Limit (dBm)	Margin (dB)
10	5255	9.27	9.67	12.49	21.138	13	14.138	-1.653
	5300	9.41	9.95	12.7	21.136	13	14.136	-1.437
	5345	-0.98	-0.96	2.041	21.165	13	14.165	-12.124
20	5260	12.33	12.63	15.49	24	13	17	-1.507
	5300	12.36	12.5	15.44	24	13	17	-1.559
	5340	1.59	1.42	4.517	24	13	17	-12.483
30	5265	13.53	13.48	16.52	24	13	17	-0.484
	5300	13.83	13.49	16.67	24	13	17	-0.326
	5335	3.27	3.55	6.423	24	13	17	-10.577
40	5270	13.38	13.27	16.34	24	13	17	-0.664
	5300	13.25	13.47	16.37	24	13	17	-0.628
	5330	4.53	4.78	7.668	24	13	17	-9.332
50	5275	13.43	13.55	16.5	24	13	17	-0.499
	5300	13.8	13.65	16.74	24	13	17	-0.264
	5325	5.69	5.25	8.486	24	13	17	-8.514
60	5280	13.59	13.71	16.66	24	13	17	-0.339
	5300	13.51	13.16	16.35	24	13	17	-0.651
	5320	5.88	5.91	8.906	24	13	17	-8.094
80	5290	13.65	13.58	16.63	24	13	17	-0.374
	5300	13.3	13.76	16.55	24	13	17	-0.453
	5310	4.37	4.28	7.336	24	13	17	-9.664
100	5300	-3.78	-3.81	-0.784	24	13	17	-17.784

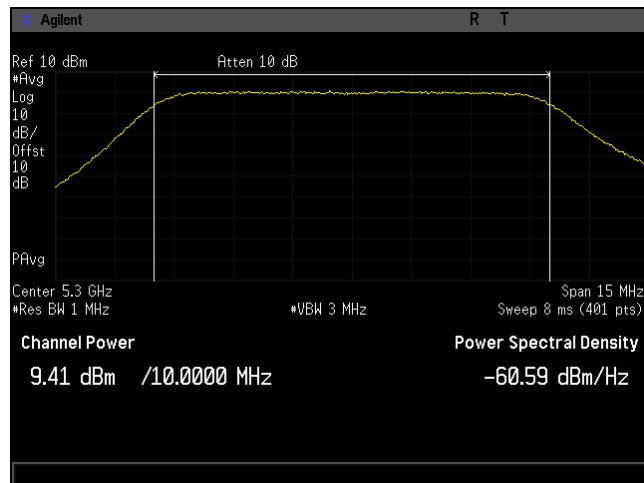
Table 9. Conducted Transmitter Output Power, UNII 2A, 13 dBi, 2x2, Test Results



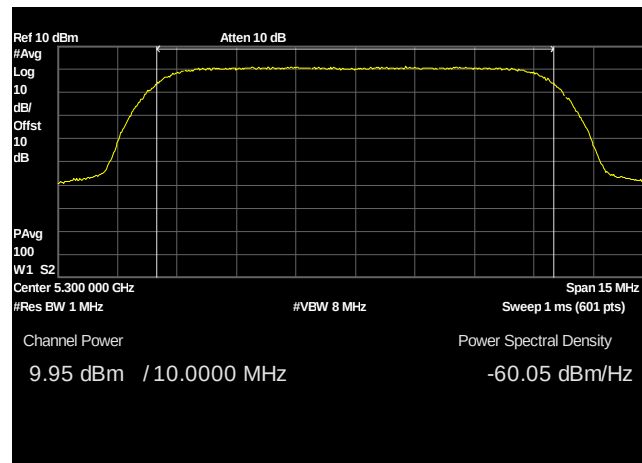
Plot 47. Conducted Transmitter Output Power, UNII 2A, BW 10M, Ch 5255M, 2x2 13dBi chain 0



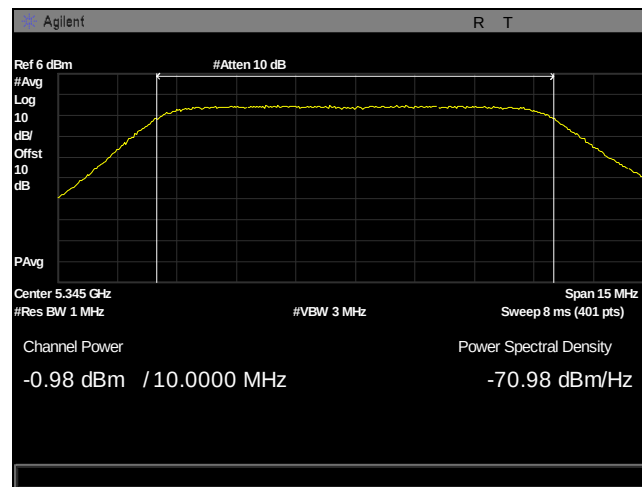
Plot 48. Conducted Transmitter Output Power, UNII 2A, BW 10M, Ch 5255M, 2x2 13dBi chain 1



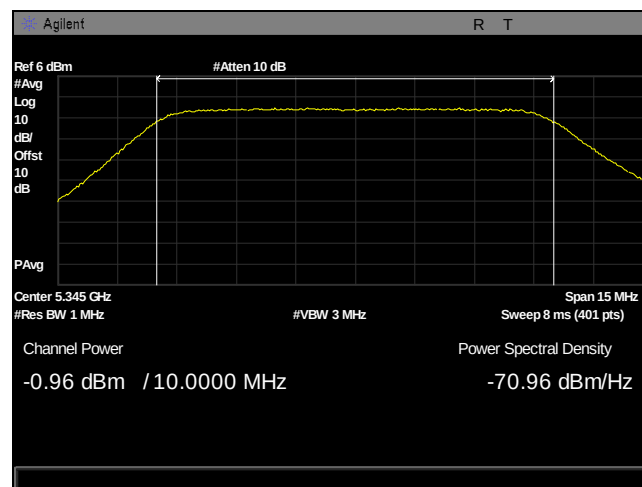
Plot 49. Conducted Transmitter Output Power, UNII 2A, BW 10M, Ch 5300M, 2x2 13dBi chain 0



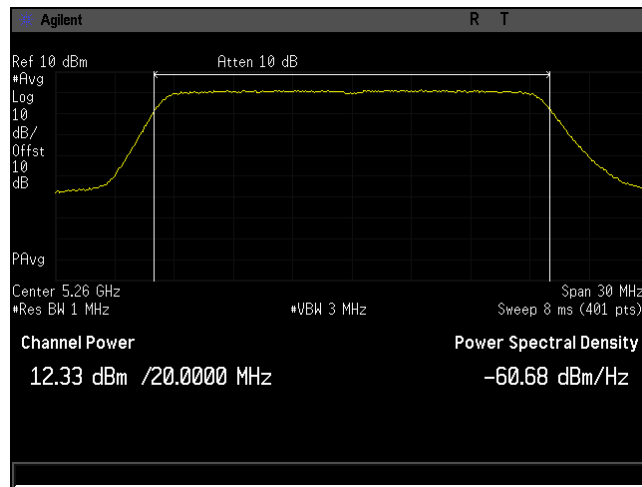
Plot 50. Conducted Transmitter Output Power, UNII 2A, BW 10M, Ch 5300M, 2x2 13dBi chain 1



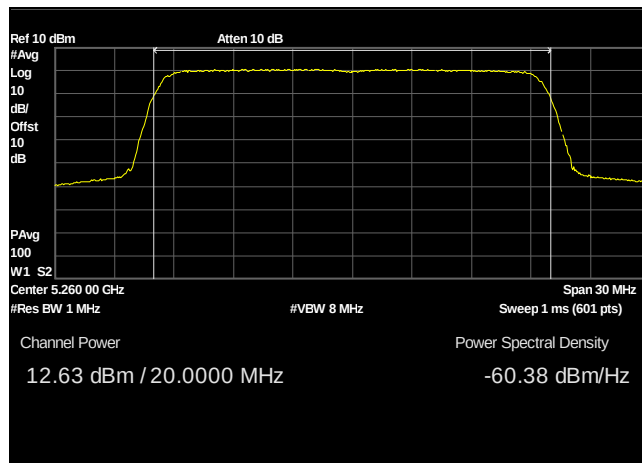
Plot 51. Conducted Transmitter Output Power, UNII 2A, BW 10M, Ch 5345M, 2x2 13dBi chain 0



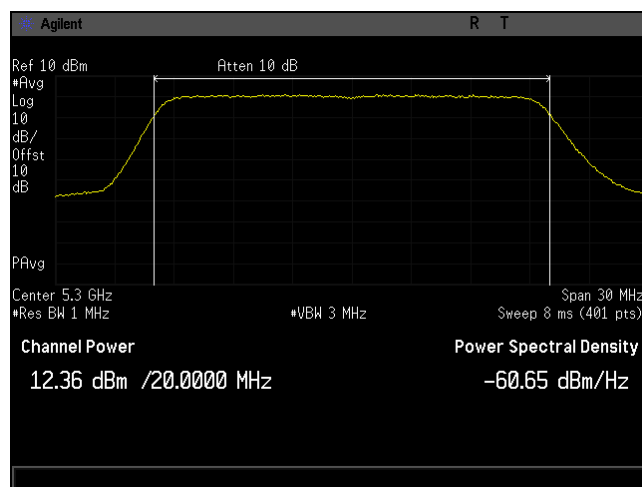
Plot 52. Conducted Transmitter Output Power, UNII 2A, BW 10M, Ch 5345M, 2x2 13dBi chain 1



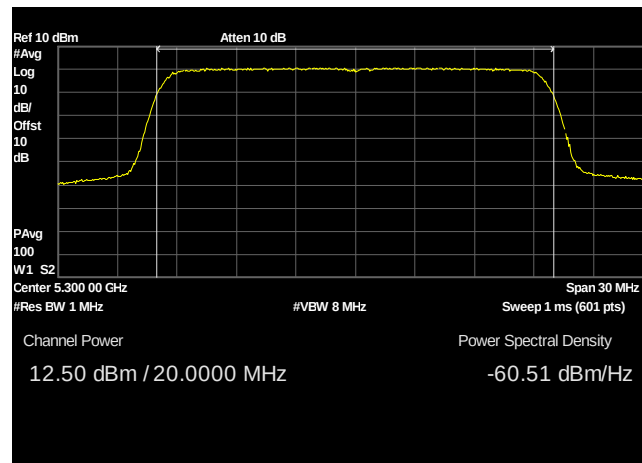
Plot 53. Conducted Transmitter Output Power, UNII 2A, BW 20M, Ch 5260M, 2x2 13dBi chain 0



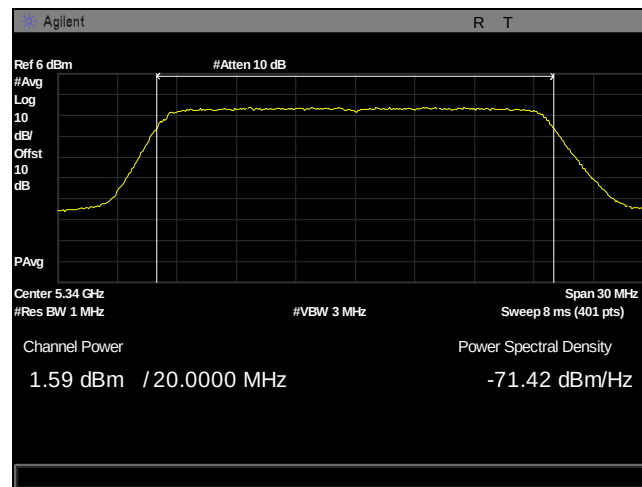
Plot 54. Conducted Transmitter Output Power, UNII 2A, BW 20M, Ch 5260M, 2x2 13dBi chain 1



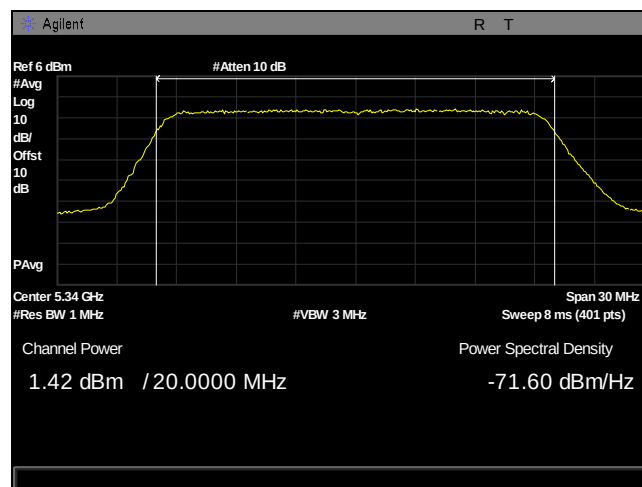
Plot 55. Conducted Transmitter Output Power, UNII 2A, BW 20M, Ch 5300M, 2x2 13dBi chain 0



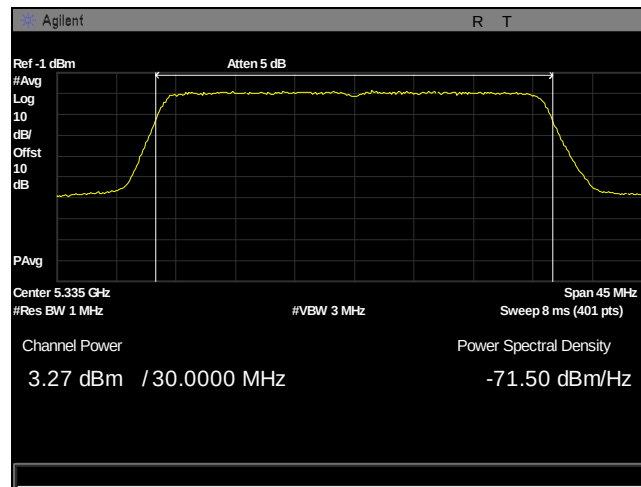
Plot 56. Conducted Transmitter Output Power, UNII 2A, BW 20M, Ch 5300M, 2x2 13dBi chain 1



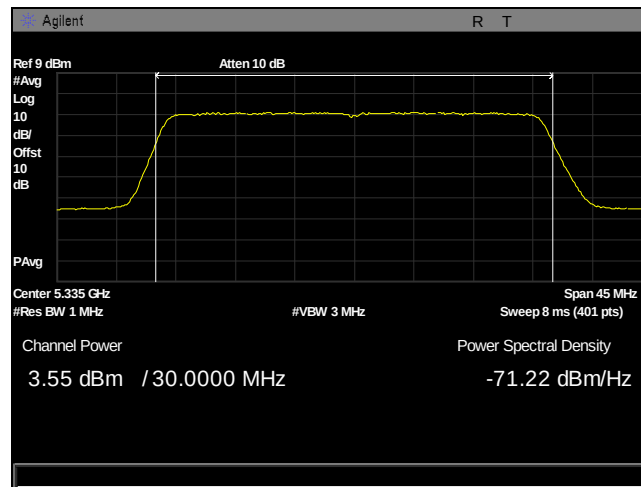
Plot 57. Conducted Transmitter Output Power, UNII 2A, BW 20M, Ch 5340M, 2x2 13dBi chain 0



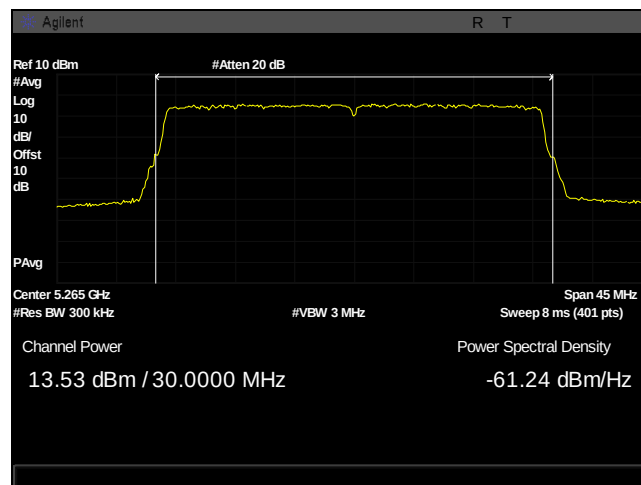
Plot 58. Conducted Transmitter Output Power, UNII 2A, BW 20M, Ch 5340M, 2x2 13dBi chain 1



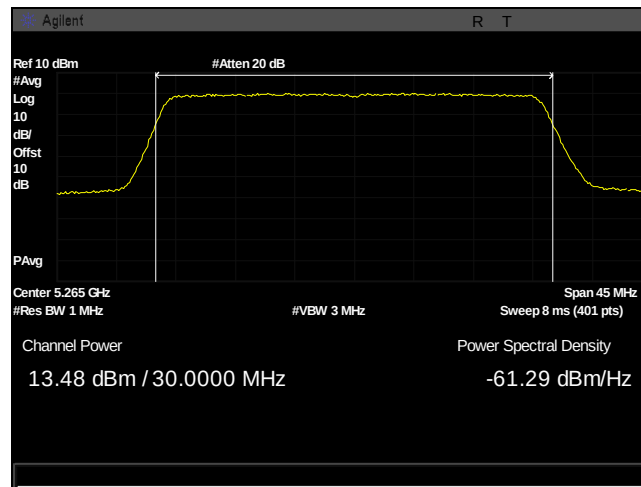
Plot 59. Conducted Transmitter Output Power, UNII 2A, BW 30M, Ch 5335M, 2x2 13dBi chain 0



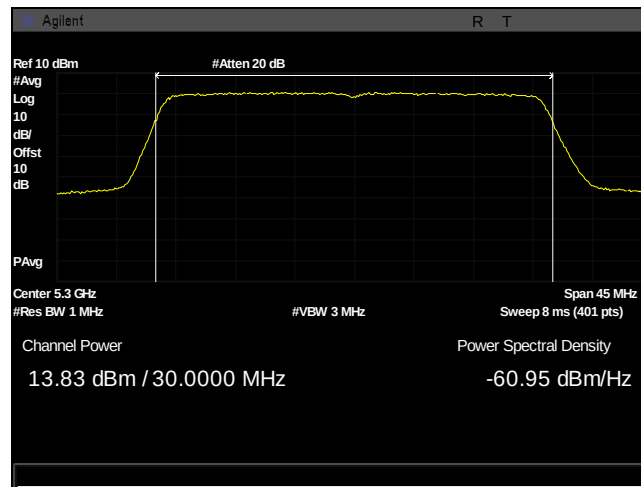
Plot 60. Conducted Transmitter Output Power, UNII 2A, BW 30M, Ch 5335M, 2x2 13dBi chain 1



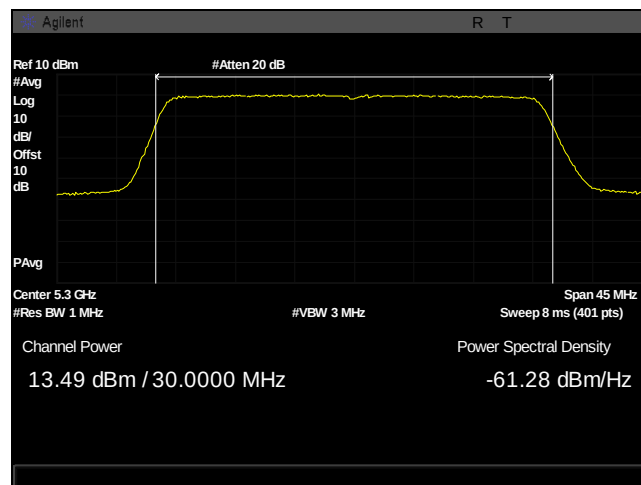
Plot 61. Conducted Transmitter Output Power, UNII 2A, BW 30M, Ch 5265M, 2x2 13dBi chain 0



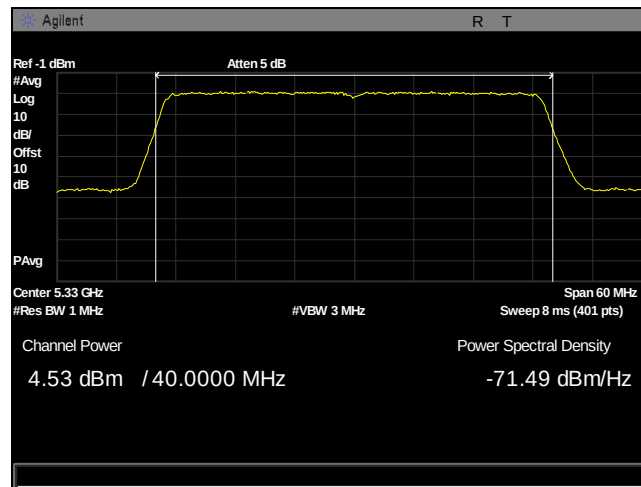
Plot 62. Conducted Transmitter Output Power, UNII 2A, BW 30M, Ch5265M, 2x2 13dBi chain 1



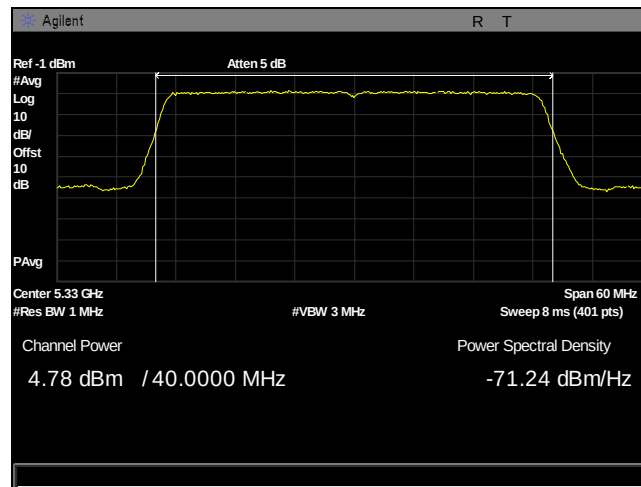
Plot 63. Conducted Transmitter Output Power, UNII 2A, BW 30M, Ch5300M, 2x2 13dBi chain 0



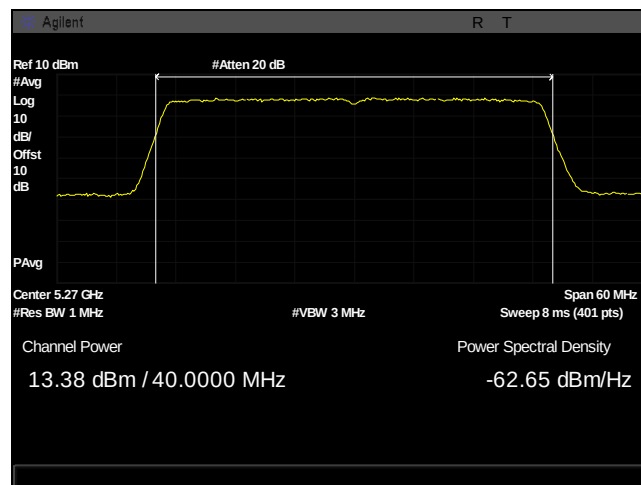
Plot 64. Conducted Transmitter Output Power, UNII 2A, BW 30M, Ch5300M, 2x2 13dBi chain 1



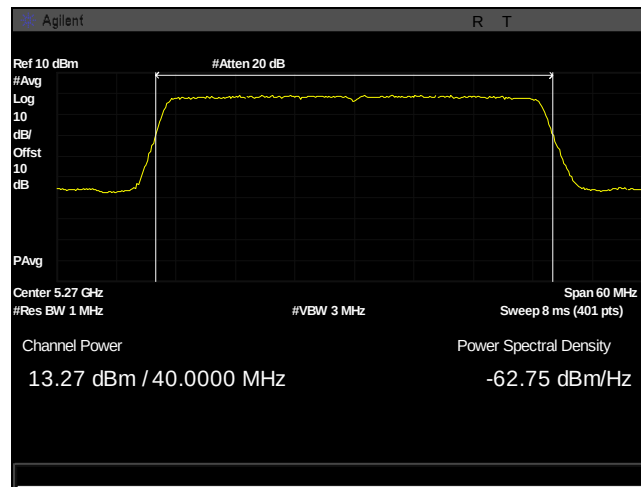
Plot 65. Conducted Transmitter Output Power, UNII 2A, BW 40M, Ch 5330M, 2x2 13dBi chain 0



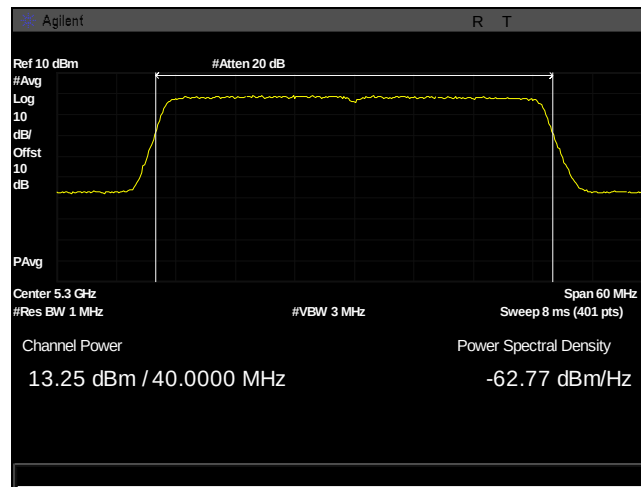
Plot 66. Conducted Transmitter Output Power, UNII 2A, BW 40M, Ch 5330M, 2x2 13dBi chain 1



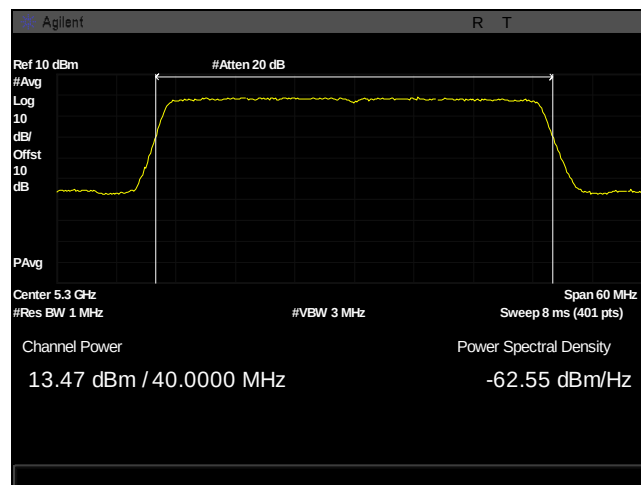
Plot 67. Conducted Transmitter Output Power, UNII 2A, BW 40M, Ch 5270M, 2x2 13dBi chain 0



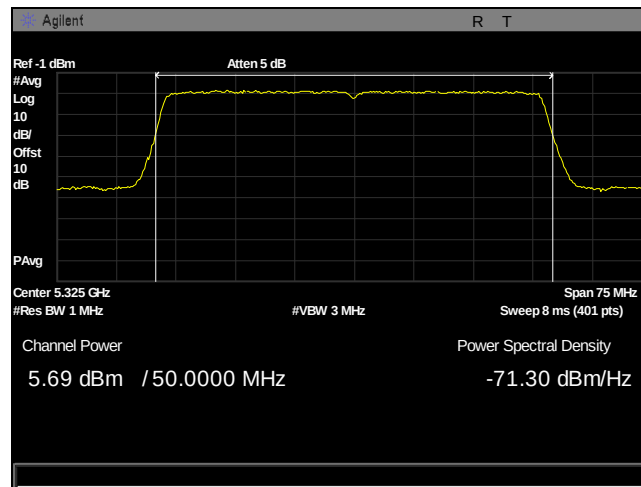
Plot 68. Conducted Transmitter Output Power, UNII 2A, BW 40M, Ch5270M, 2x2 13dBi chain 1



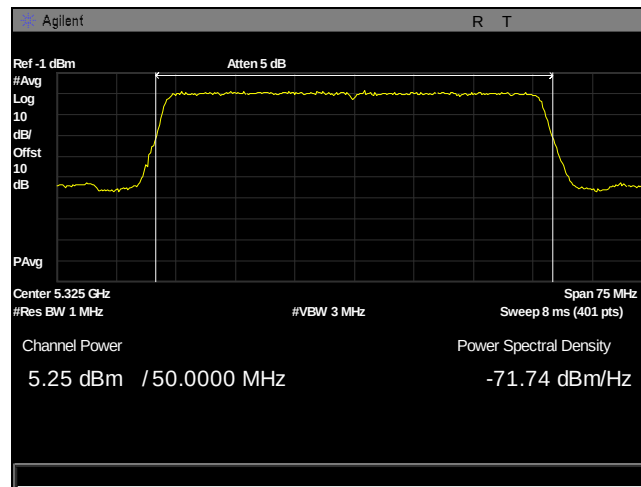
Plot 69. Conducted Transmitter Output Power, UNII 2A, BW 40M, Ch5300M, 2x2 13dBi chain 0



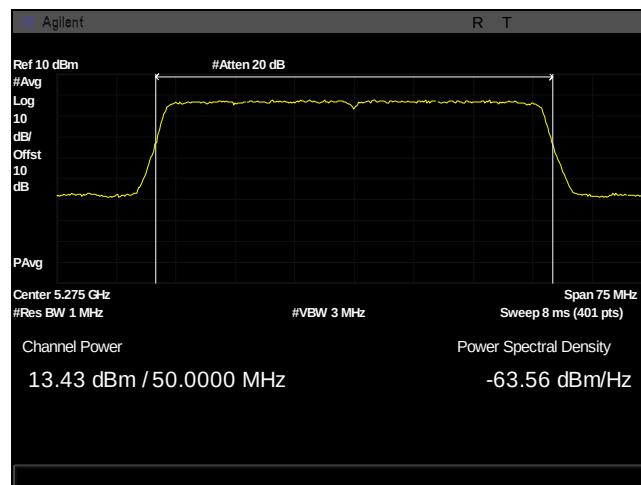
Plot 70. Conducted Transmitter Output Power, UNII 2A, BW 40M, Ch5300M, 2x2 13dBi chain 1



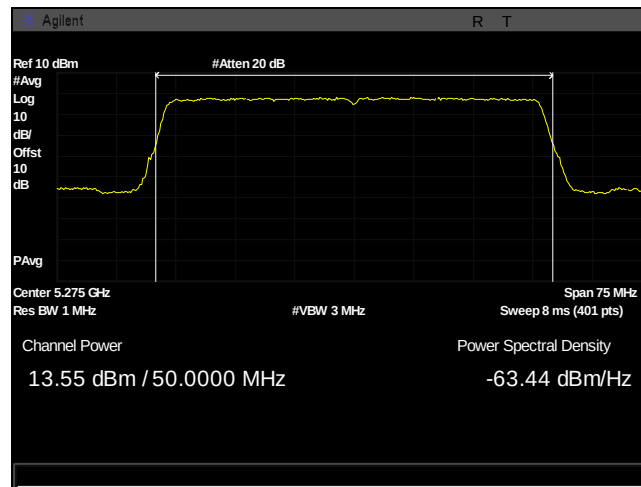
Plot 71. Conducted Transmitter Output Power, UNII 2A, BW 50M, Ch 5325M, 2x2 13dBi chain 0



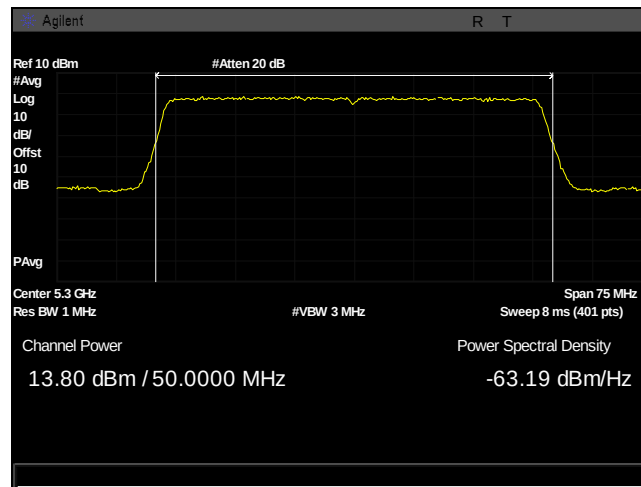
Plot 72. Conducted Transmitter Output Power, UNII 2A, BW 50M, Ch 5325M, 2x2 13dBi chain 1



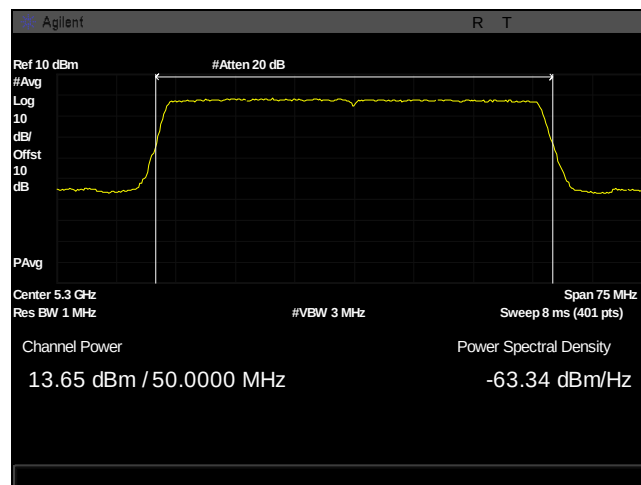
Plot 73. Conducted Transmitter Output Power, UNII 2A, BW 50M, Ch 5275M, 2x2 13dBi chain 0



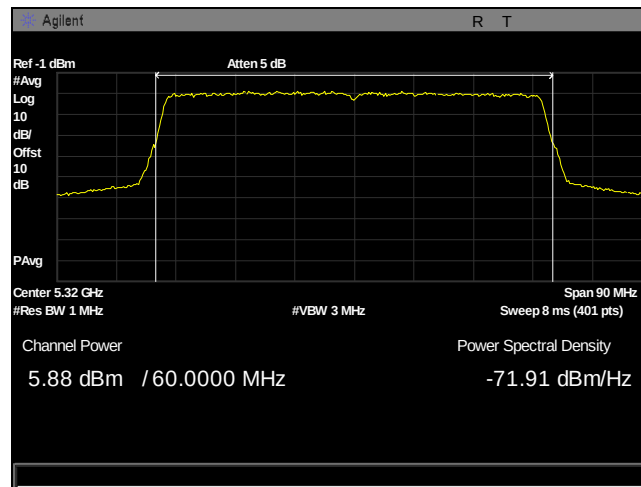
Plot 74. Conducted Transmitter Output Power, UNII 2A, BW 50M, Ch5275M, 2x2 13dBi chain 1



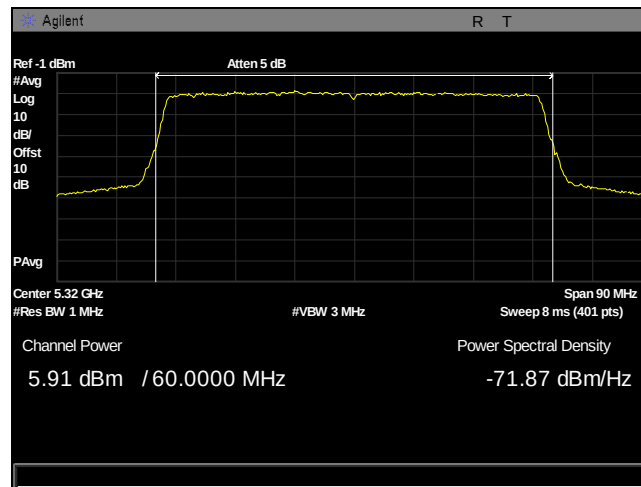
Plot 75. Conducted Transmitter Output Power, UNII 2A, BW 50M, Ch5300M, 2x2 13dBi chain 0



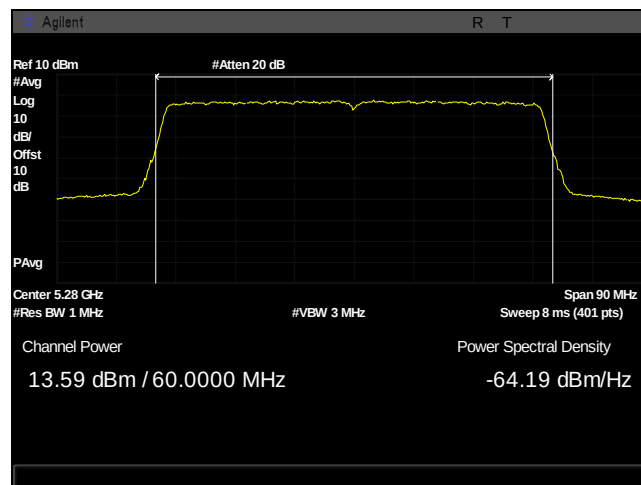
Plot 76. Conducted Transmitter Output Power, UNII 2A, BW 50M, Ch5300M, 2x2 13dBi chain 1



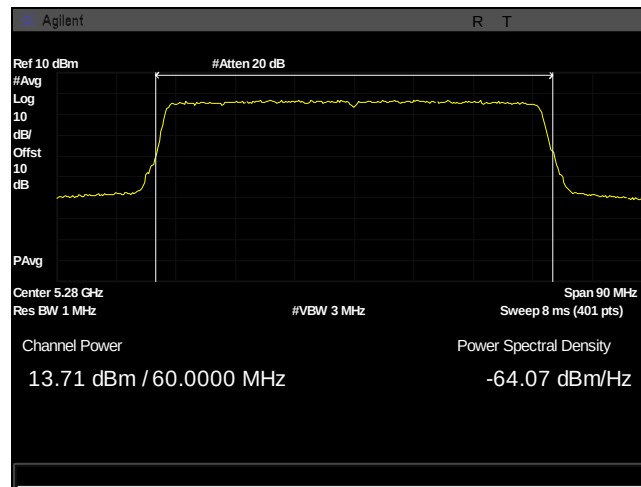
Plot 77. Conducted Transmitter Output Power, UNII 2A, BW 60M, Ch 5320M, 2x2 13dBi chain 0



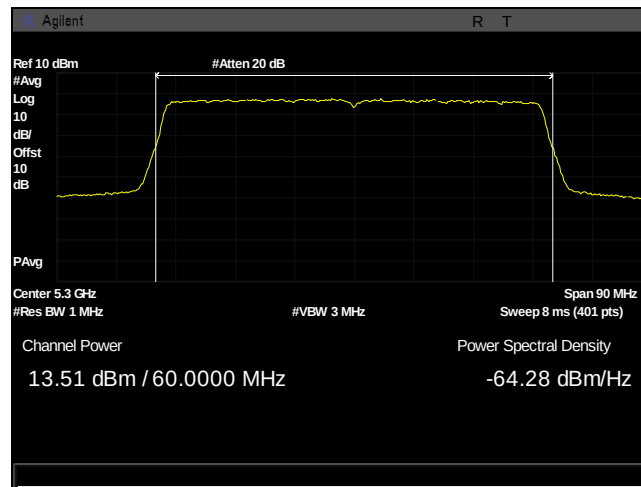
Plot 78. Conducted Transmitter Output Power, UNII 2A, BW 60M, Ch 5320M, 2x2 13dBi chain 1



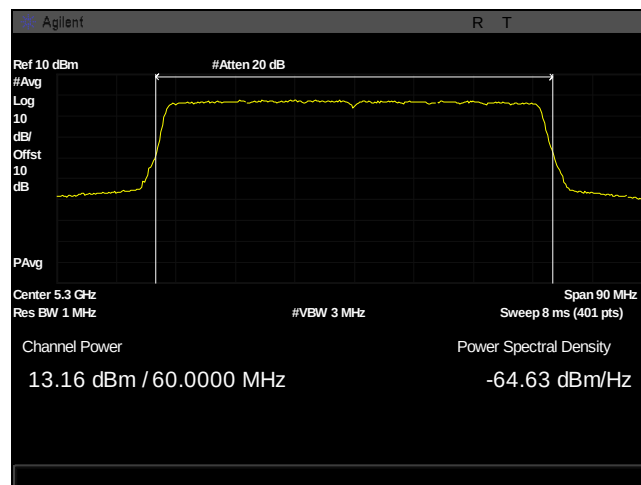
Plot 79. Conducted Transmitter Output Power, UNII 2A, BW 60M, Ch 5280M, 2x2 13dBi chain 0



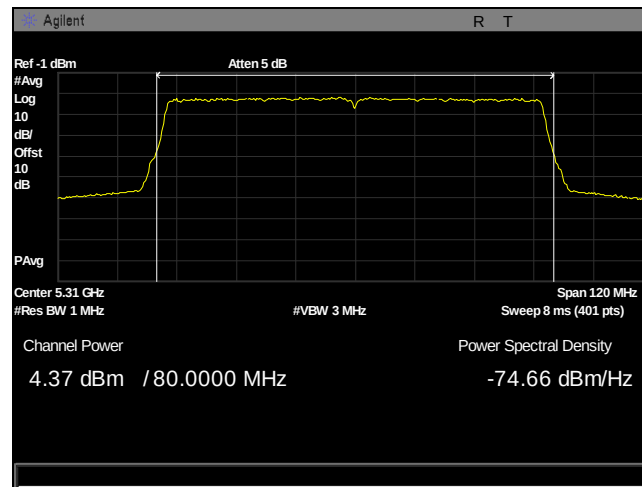
Plot 80. Conducted Transmitter Output Power, UNII 2A, BW 60M, Ch5280M, 2x2 13dBi chain 1



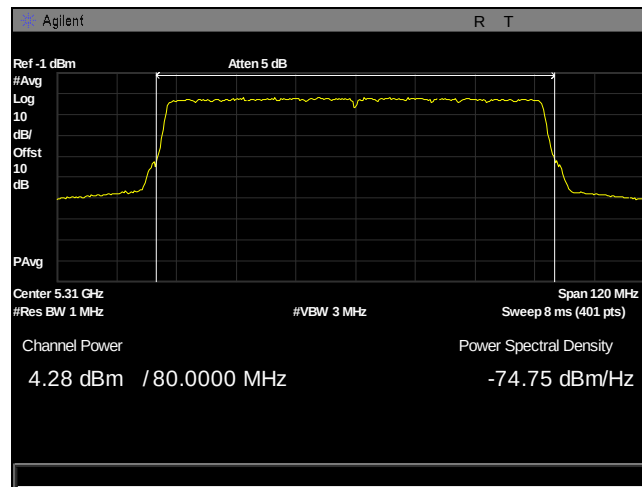
Plot 81. Conducted Transmitter Output Power, UNII 2A, BW 60M, Ch5300M, 2x2 13dBi chain 0



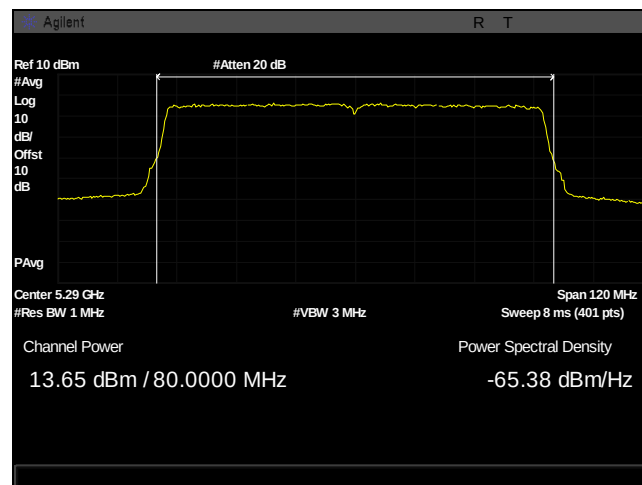
Plot 82. Conducted Transmitter Output Power, UNII 2A, BW 60M, Ch5300M, 2x2 13dBi chain 1



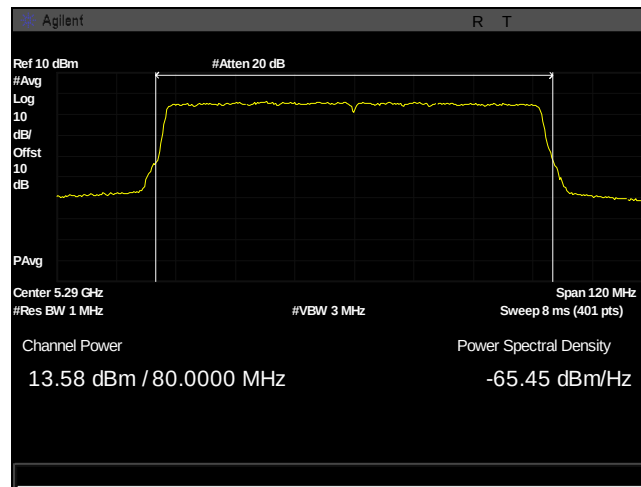
Plot 83. Conducted Transmitter Output Power, UNII 2A, BW 80M, Ch 5310M, 2x2 13dBi chain 0



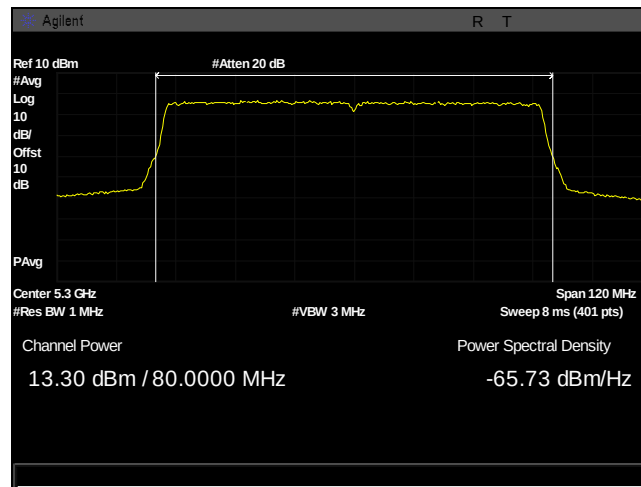
Plot 84. Conducted Transmitter Output Power, UNII 2A, BW 80M, Ch 5310M, 2x2 13dBi chain 1



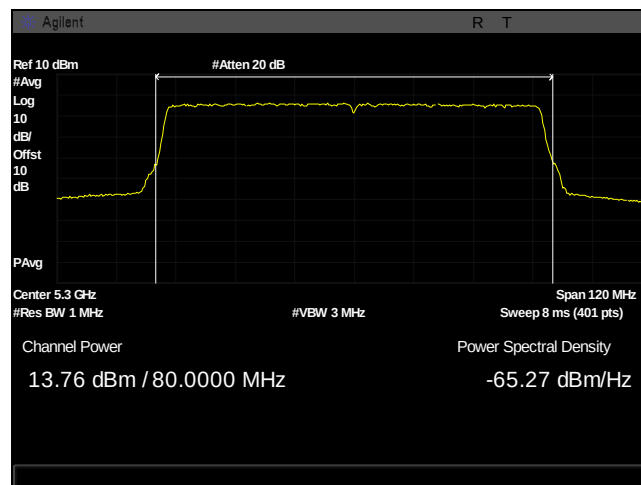
Plot 85. Conducted Transmitter Output Power, UNII 2A, BW 80M, Ch5290M, 2x2 13dBi chain 0



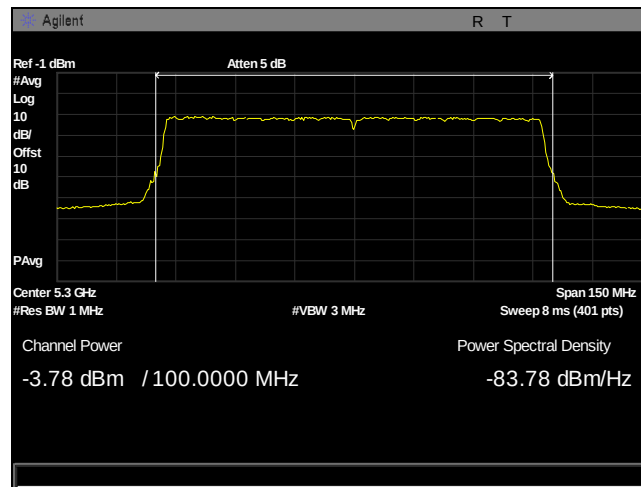
Plot 86. Conducted Transmitter Output Power, UNII 2A, BW 80M, Ch5290M, 2x2 13dBi chain 1



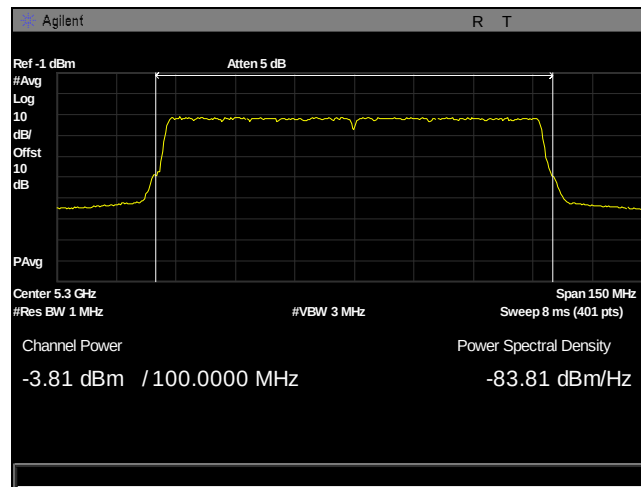
Plot 87. Conducted Transmitter Output Power, UNII 2A, BW 80M, Ch5300M, 2x2 13dBi chain 0



Plot 88. Conducted Transmitter Output Power, UNII 2A, BW 80M, Ch5300M, 2x2 13dBi chain 1



Plot 89. Conducted Transmitter Output Power, UNII 2A, BW 100M, Ch 5300M, 2x2 13dBi chain 0

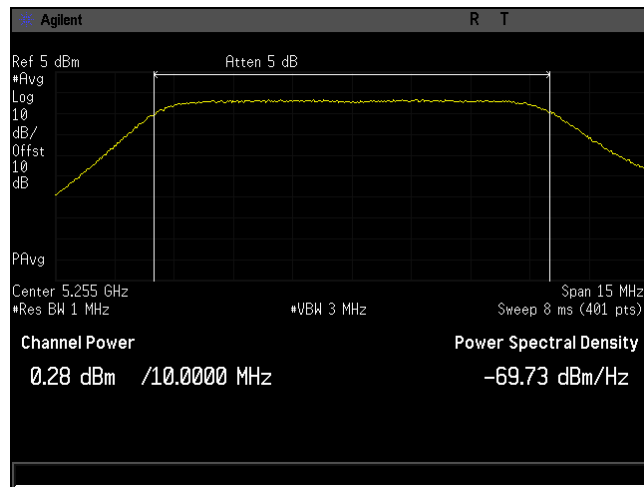


Plot 90. Conducted Transmitter Output Power, UNII 2A, BW 100M, Ch 5300M, 2x2 13dBi chain 1

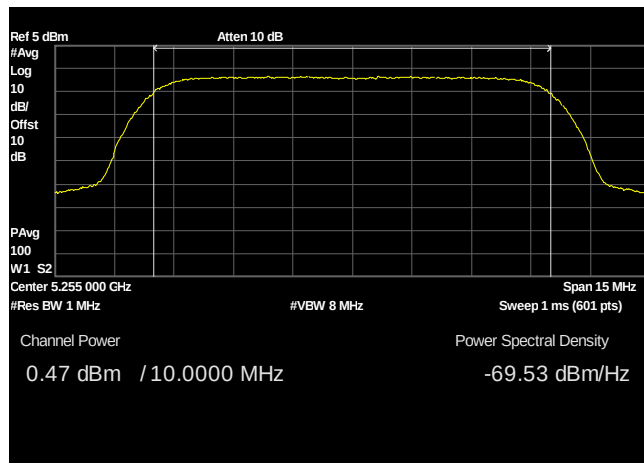
Conducted Transmitter Output Power, UNII 2A, 22 dBi

Channel BW (MHz)	Frequency (MHz)	Chain 0 (dBm)	Chain 1 (dBm)	Sum (dBm)	Limit (dBm)	Directional Gain (dBi)	Final Limit (dBm)	Margin (dB)
10	5255	0.28	0.47	3.387	21.138	22	5.138	-1.751
	5300	0.15	0.46	3.319	21.136	22	5.136	-1.817
	5345	0.16	0.52	3.355	21.165	22	5.165	-1.81
20	5260	3.28	3.57	6.438	24	22	8	-1.562
	5300	3.04	3.61	6.345	24	22	8	-1.655
	5340	2.73	2.93	5.842	24	22	8	-2.158
30	5265	4.23	4.1	7.176	24	22	8	-0.824
	5300	4.21	4.16	7.196	24	22	8	-0.804
	5335	3.04	3.36	6.214	24	22	8	-1.786
40	5270	4.51	4.82	7.679	24	22	8	-0.321
	5300	4.27	4.41	7.351	24	22	8	-0.649
	5330	3.55	3.56	6.566	24	22	8	-1.434
50	5275	4.18	4.65	7.432	24	22	8	-0.568
	5300	4.18	4.25	7.226	24	22	8	-0.774
	5325	3.35	3.58	6.477	24	22	8	-1.523
60	5280	4.57	4.54	7.566	24	22	8	-0.434
	5300	4.36	4.07	7.228	24	22	8	-0.772
	5320	2.73	2.69	5.721	24	22	8	-2.279
80	5290	4.68	4.25	7.481	24	22	8	-0.519
	5300	4.24	4.13	7.196	24	22	8	-0.804
	5310	0.11	0.14	3.136	24	22	8	-4.864
100	5300	-0.74	-0.82	2.231	24	22	8	-5.769

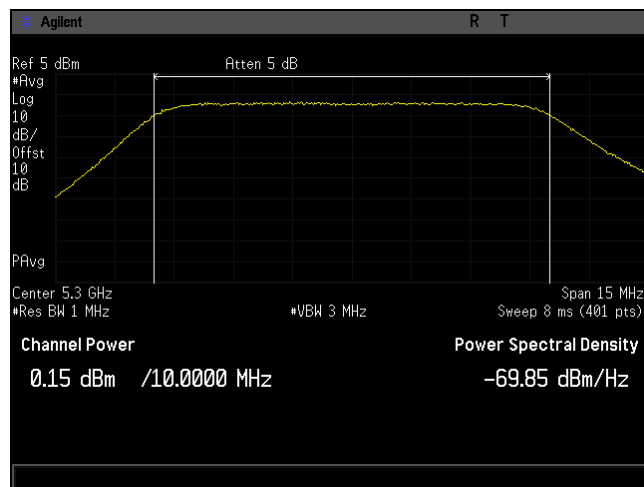
Table 10. Conducted Transmitter Output Power, UNII 2A, 22 dBi, Test Results



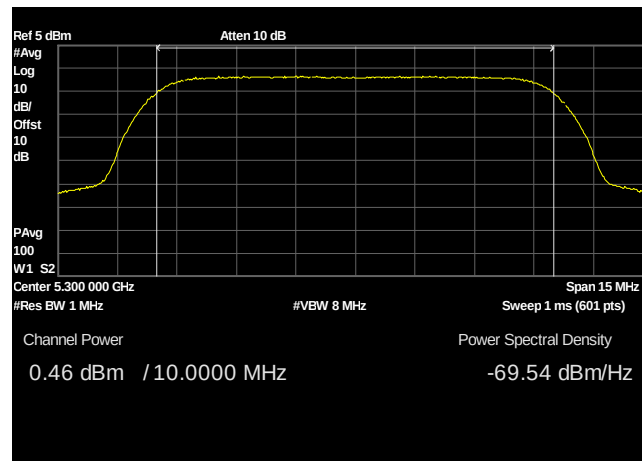
Plot 91. Conducted Transmitter Output Power, UNII 2A, BW 10M, Ch 5255M, 2x2 22dBi chain 0



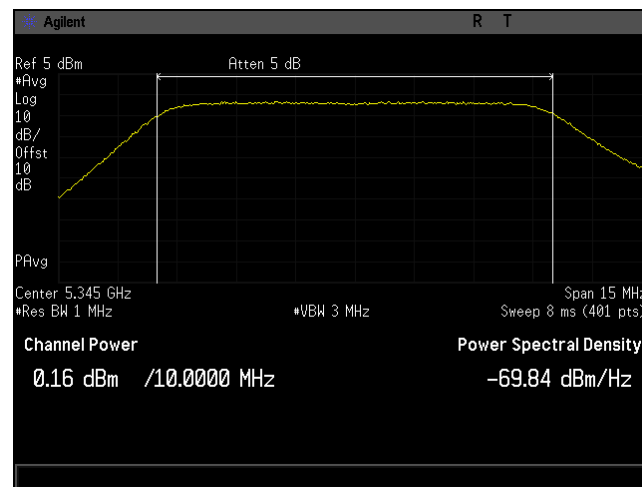
Plot 92. Conducted Transmitter Output Power, UNII 2A, BW 10M, Ch 5255M, 2x2 22dBi chain 1



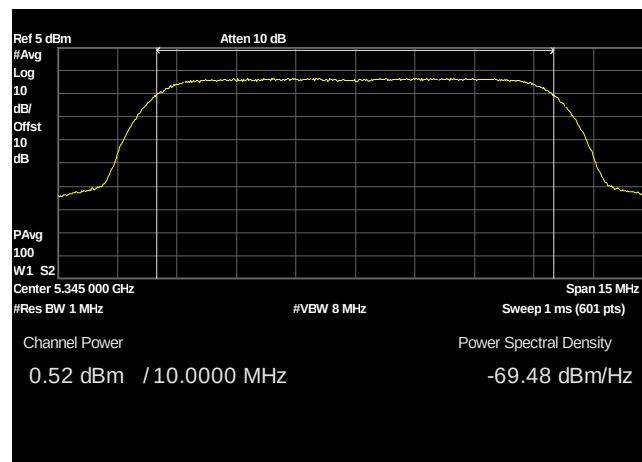
Plot 93. Conducted Transmitter Output Power, UNII 2A, BW 10M, Ch 5300M, 2x2 22dBi chain 0



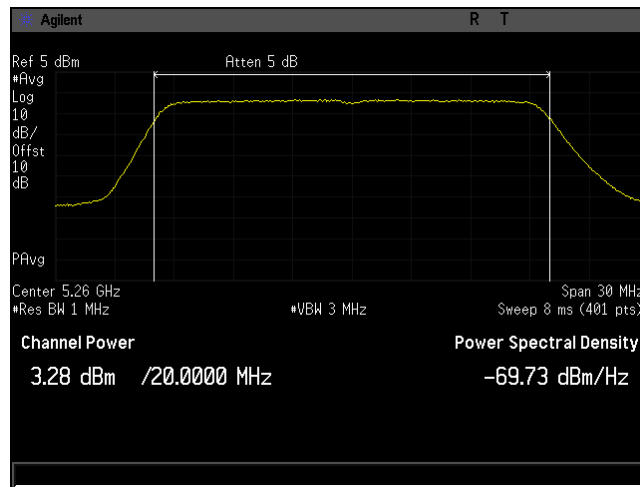
Plot 94. Conducted Transmitter Output Power, UNII 2A, BW 10M, Ch 5300M, 2x2 22dBi chain 1



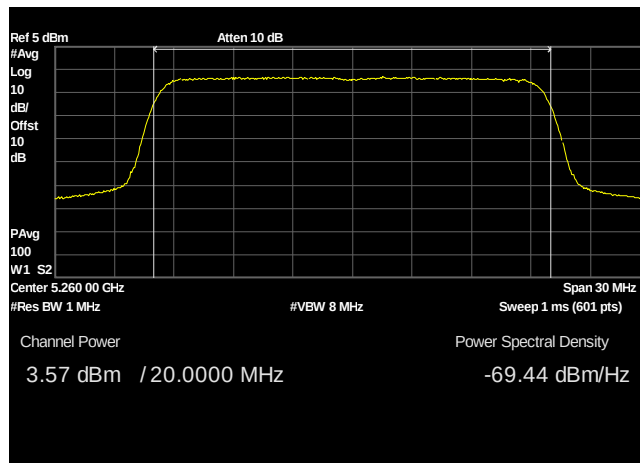
Plot 95. Conducted Transmitter Output Power, UNII 2A, BW 10M, Ch 5345M, 2x2 22dBi chain 0



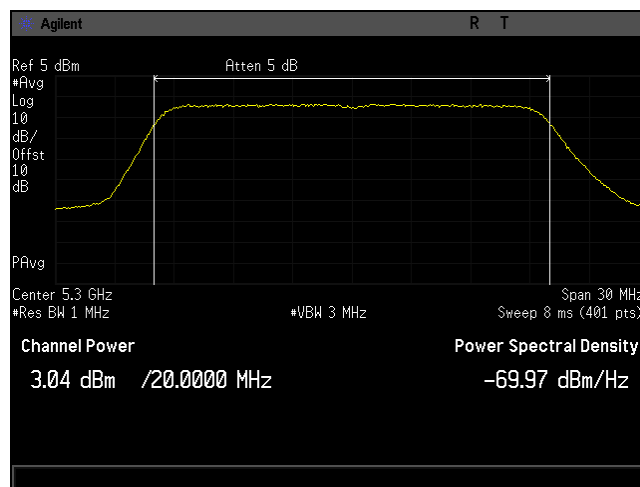
Plot 96. Conducted Transmitter Output Power, UNII 2A, BW 10M, Ch 5345M, 2x2 22dBi chain 1



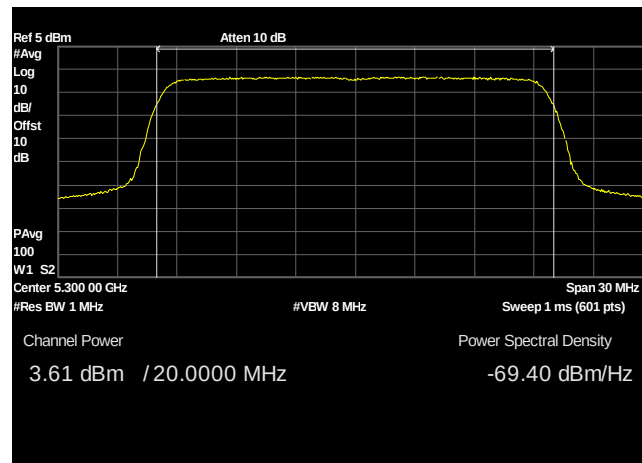
Plot 97. Conducted Transmitter Output Power, UNII 2A, BW 20M, Ch 5260M, 2x2 22dBi chain 0



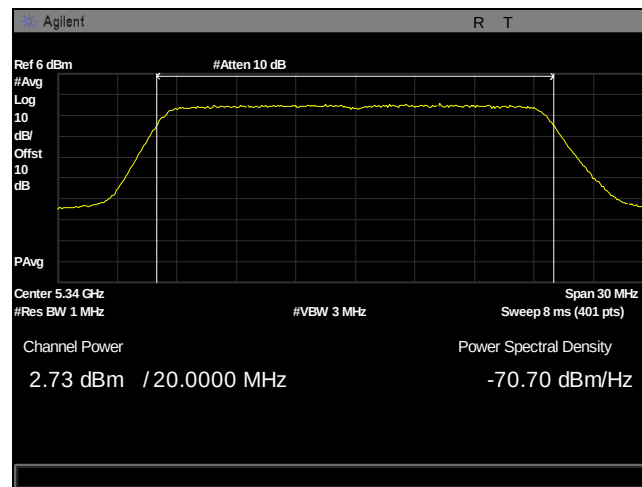
Plot 98. Conducted Transmitter Output Power, UNII 2A, BW 20M, Ch 5260M, 2x2 22dBi chain 1



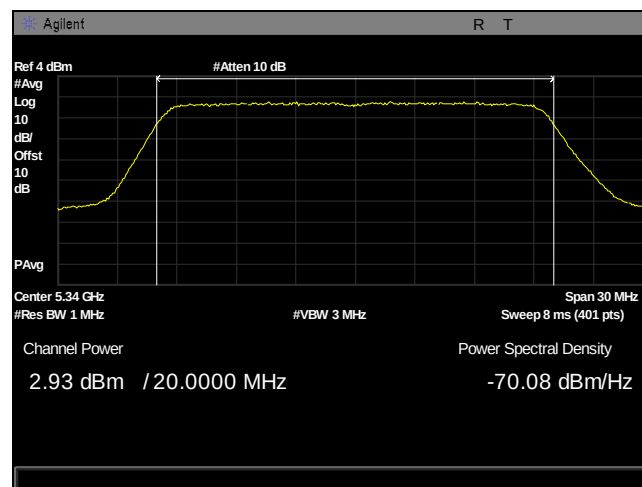
Plot 99. Conducted Transmitter Output Power, UNII 2A, BW 20M, Ch 5300M, 2x2 22dBi chain 0



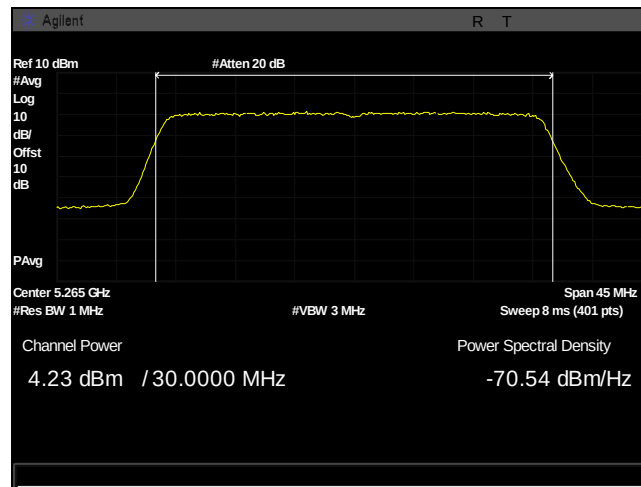
Plot 100. Conducted Transmitter Output Power, UNII 2A, BW 20M, Ch 5300M, 2x2 22dBi chain 1



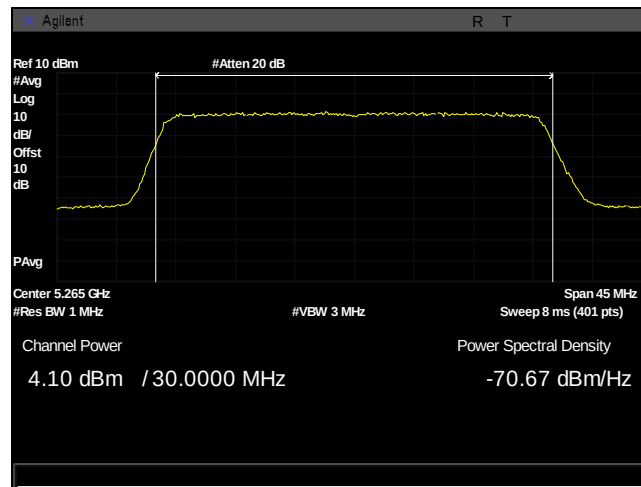
Plot 101. Conducted Transmitter Output Power, UNII 2A, BW 20M, Ch 5340M, 2x2 22dBi chain 0



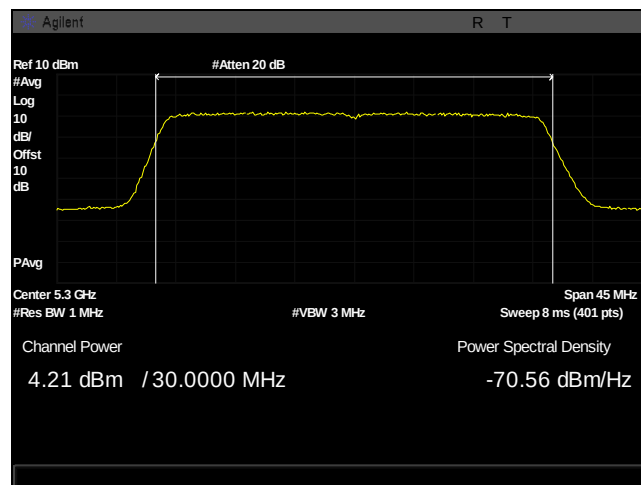
Plot 102. Conducted Transmitter Output Power, UNII 2A, BW 20M, Ch 5340M, 2x2 22dBi chain 1



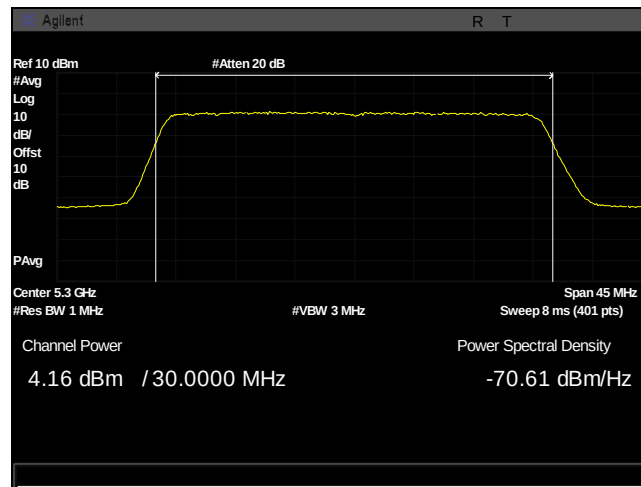
Plot 103. Conducted Transmitter Output Power, UNII 2A, BW 30M, Ch 5265M, 2x2 22dBi chain 0



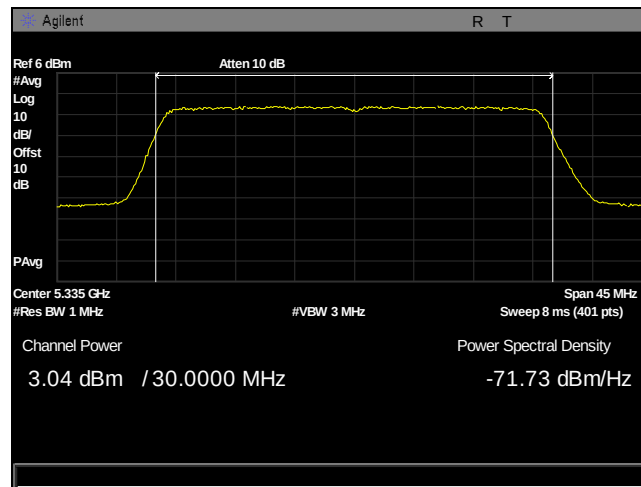
Plot 104. Conducted Transmitter Output Power, UNII 2A, BW 30M, Ch 5265M, 2x2 22dBi chain 1



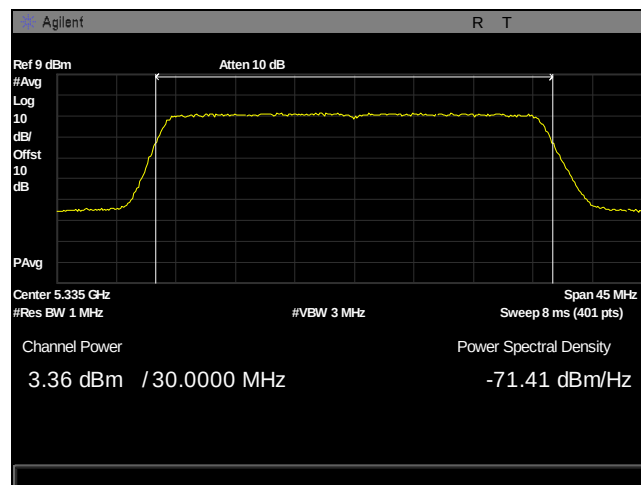
Plot 105. Conducted Transmitter Output Power, UNII 2A, BW 30M, Ch 5300, 2x2 22dBi chain 0



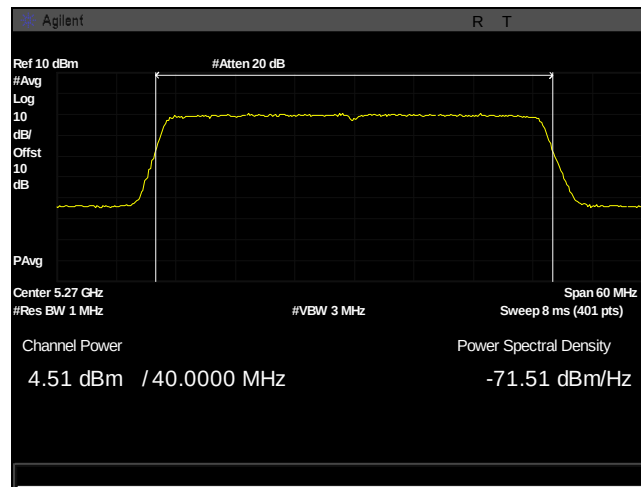
Plot 106. Conducted Transmitter Output Power, UNII 2A, BW 30M, Ch 5300, 2x2 22dBi chain 1



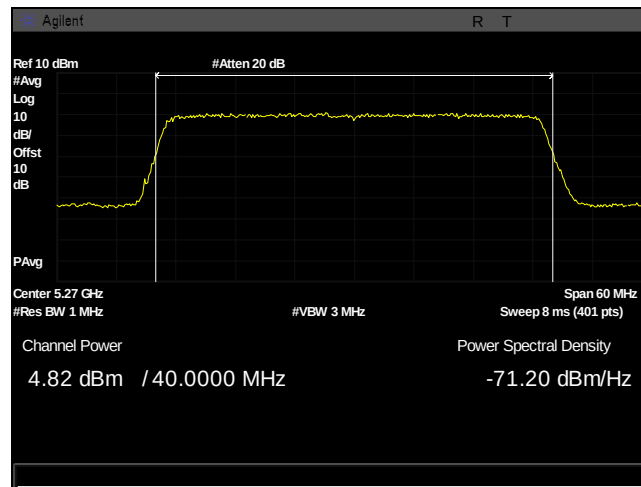
Plot 107. Conducted Transmitter Output Power, UNII 2A, BW 30M, Ch 5335M, 2x2 22dBi chain 0



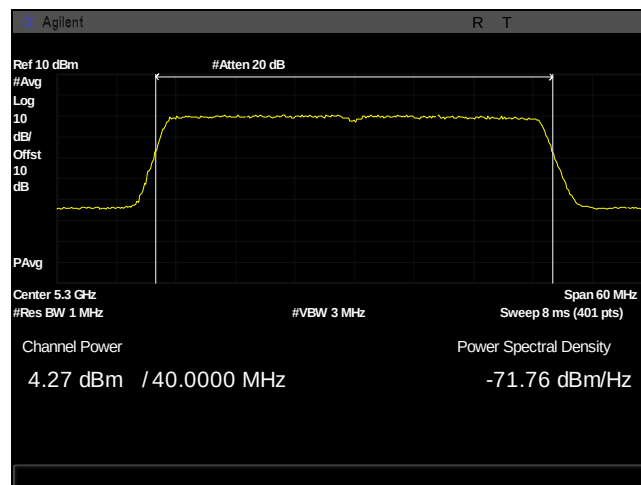
Plot 108. Conducted Transmitter Output Power, UNII 2A, BW 30M, Ch 5335M, 2x2 22dBi chain 1



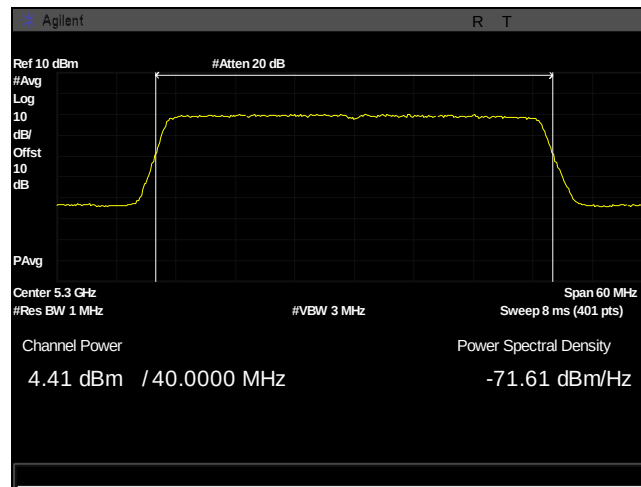
Plot 109. Conducted Transmitter Output Power, UNII 2A, BW 40M, Ch 5270, 2x2 22dBi chain 0



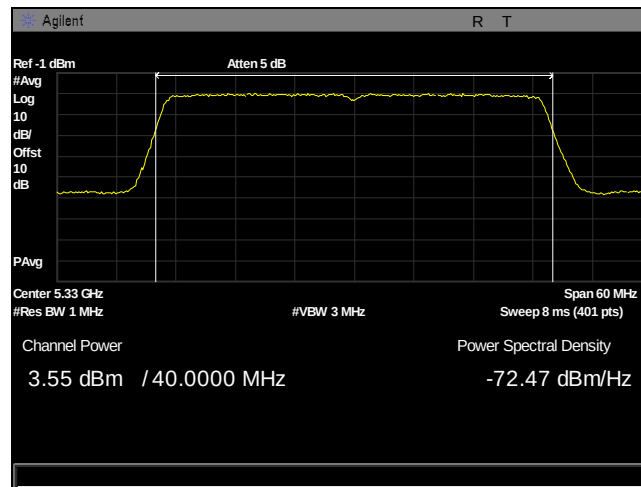
Plot 110. Conducted Transmitter Output Power, UNII 2A, BW 40M, Ch 5270, 2x2 22dBi chain 1



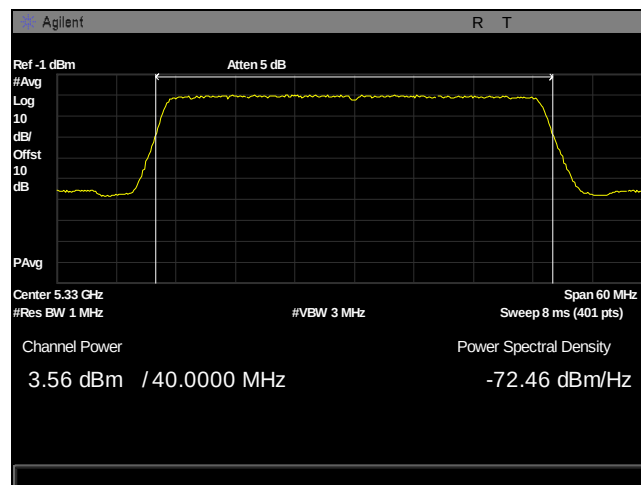
Plot 111. Conducted Transmitter Output Power, UNII 2A, BW 40M, Ch 5300, 2x2 22dBi chain 0



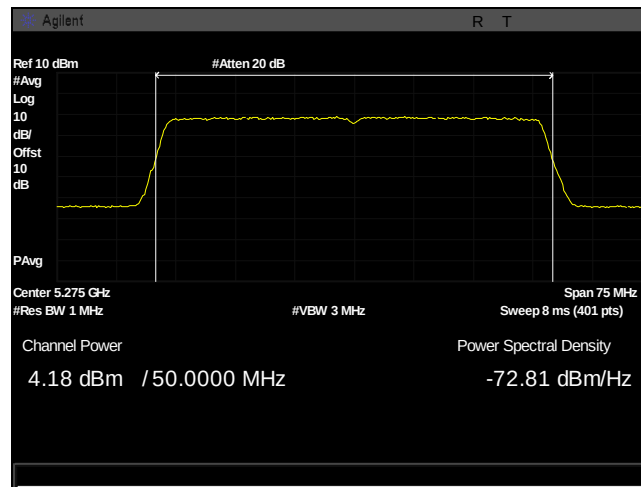
Plot 112. Conducted Transmitter Output Power, UNII 2A, BW 40M, Ch 5300, 2x2 22dBi chain 1



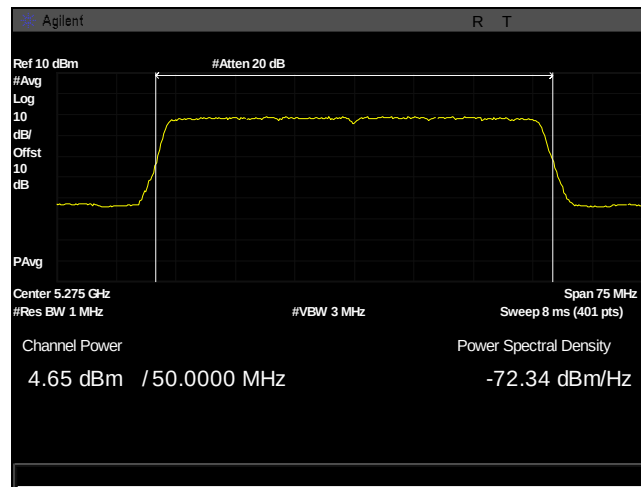
Plot 113. Conducted Transmitter Output Power, UNII 2A, BW 40M, Ch 5330M, 2x2 22dBi chain 0



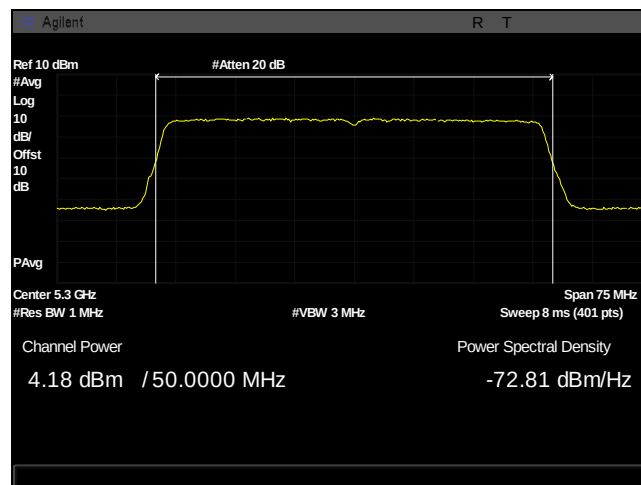
Plot 114. Conducted Transmitter Output Power, UNII 2A, BW 40M, Ch 5330M, 2x2 22dBi chain 1



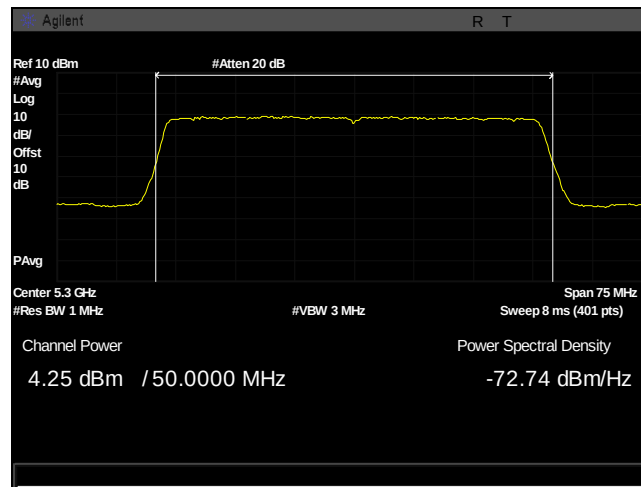
Plot 115. Conducted Transmitter Output Power, UNII 2A, BW 50M, Ch 5275, 2x2 22dBi chain 0



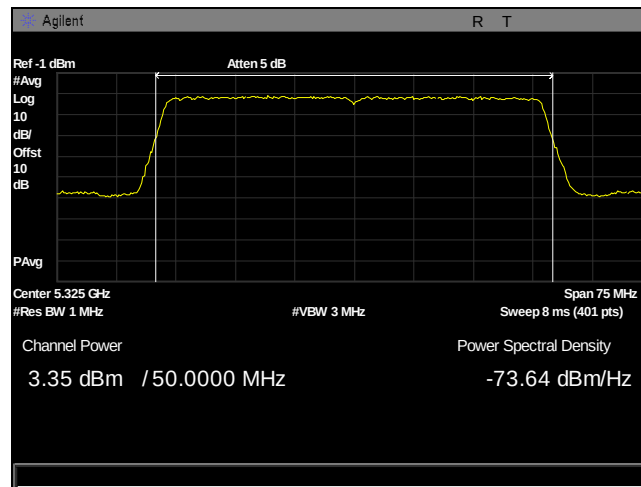
Plot 116. Conducted Transmitter Output Power, UNII 2A, BW 50M, Ch 5275, 2x2 22dBi chain 1



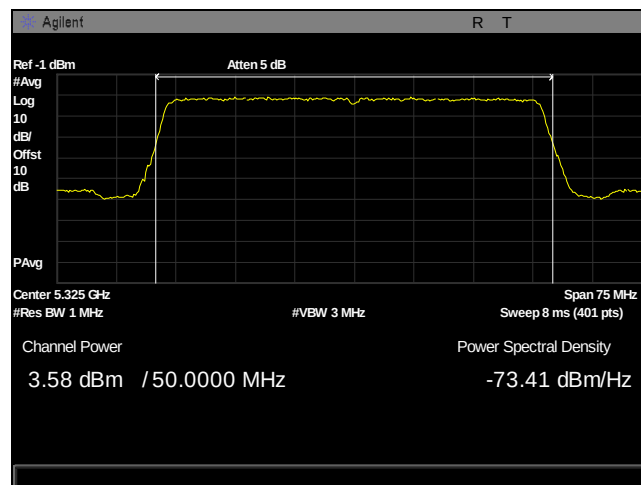
Plot 117. Conducted Transmitter Output Power, UNII 2A, BW 50M, Ch 5300, 2x2 22dBi chain 0



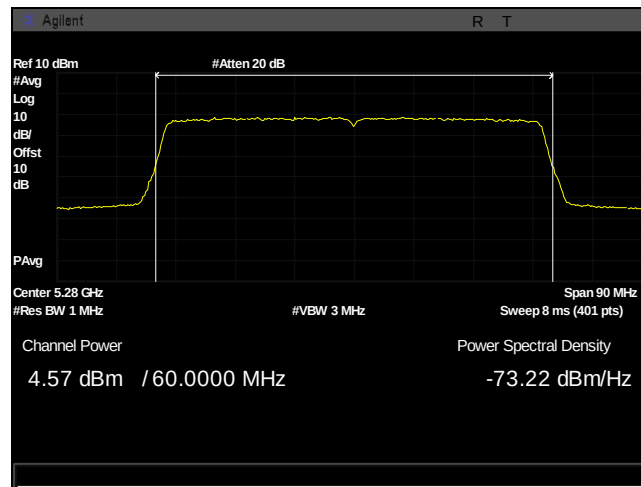
Plot 118. Conducted Transmitter Output Power, UNII 2A, BW 50M, Ch 5300, 2x2 22dBi chain 1



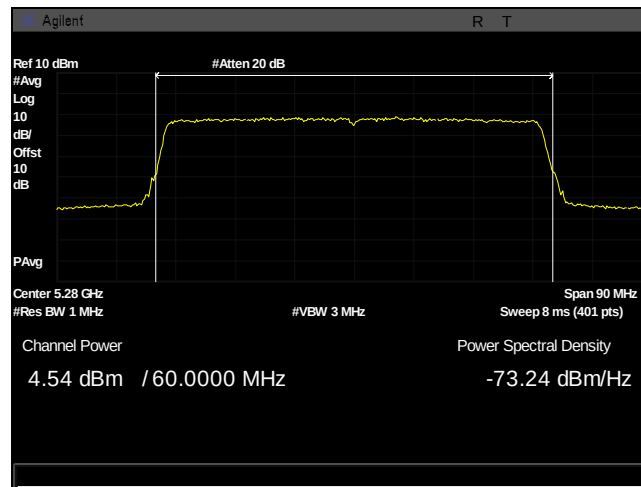
Plot 119. Conducted Transmitter Output Power, UNII 2A, BW 50M, Ch 5325M, 2x2 22dBi chain 0



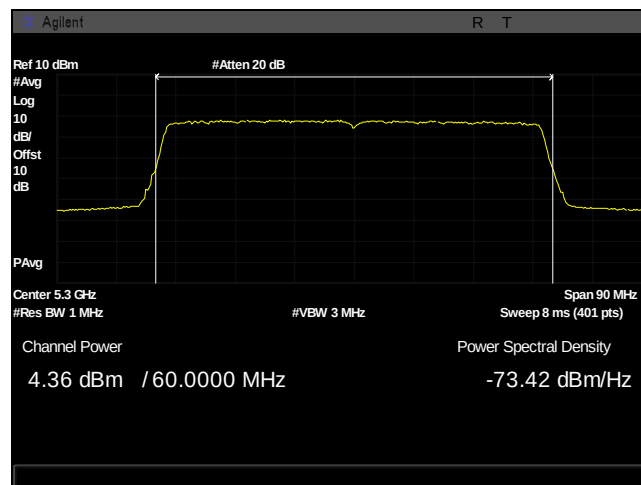
Plot 120. Conducted Transmitter Output Power, UNII 2A, BW 50M, Ch 5325M, 2x2 22dBi chain 1



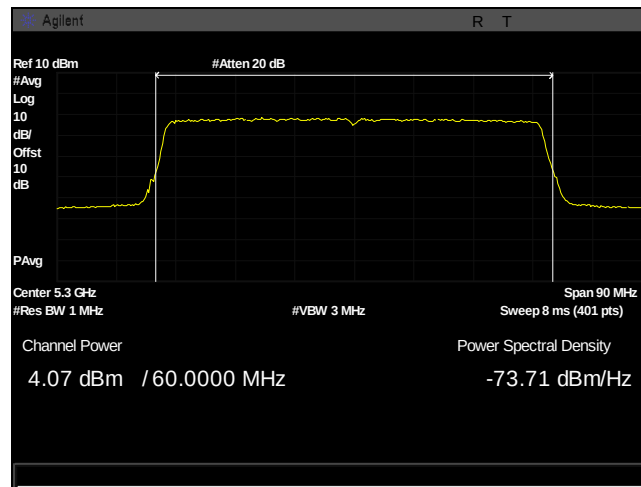
Plot 121. Conducted Transmitter Output Power, UNII 2A, BW 60M, Ch 5280, 2x2 22dBi chain 0



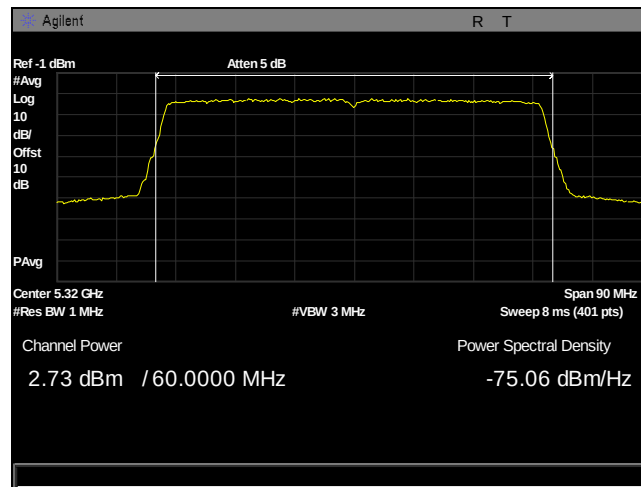
Plot 122. Conducted Transmitter Output Power, UNII 2A, BW 60M, Ch 5280, 2x2 22dBi chain 1



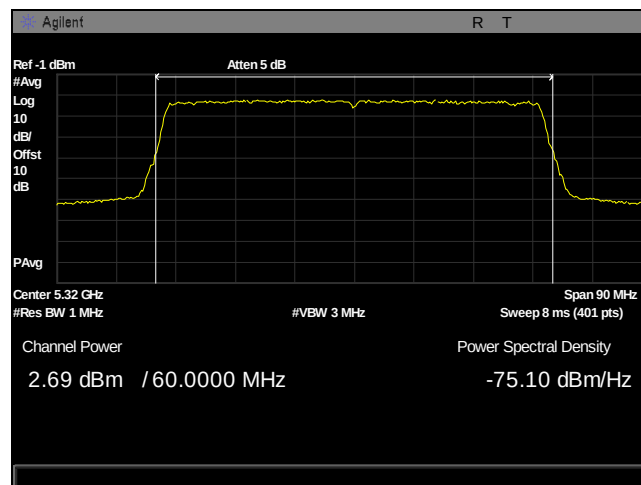
Plot 123. Conducted Transmitter Output Power, UNII 2A, BW 60M, Ch 5300, 2x2 22dBi chain 0



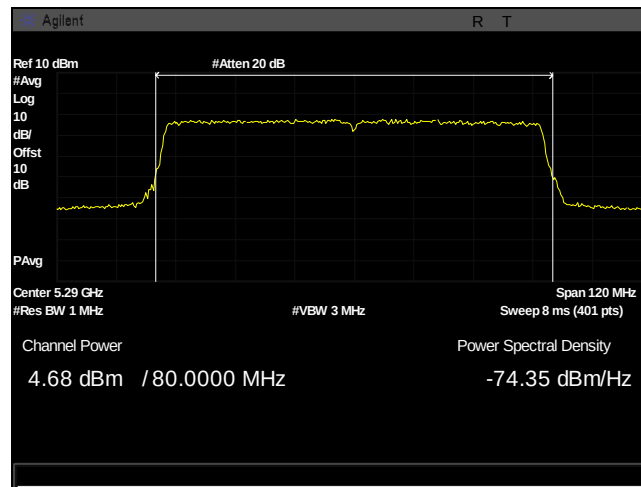
Plot 124. Conducted Transmitter Output Power, UNII 2A, BW 60M, Ch 5300, 2x2 22dBi chain 1



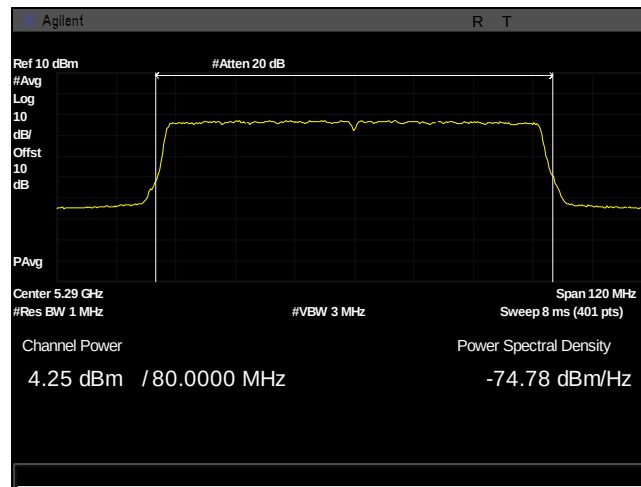
Plot 125. Conducted Transmitter Output Power, UNII 2A, BW 60M, Ch 5320M, 2x2 22dBi chain 0



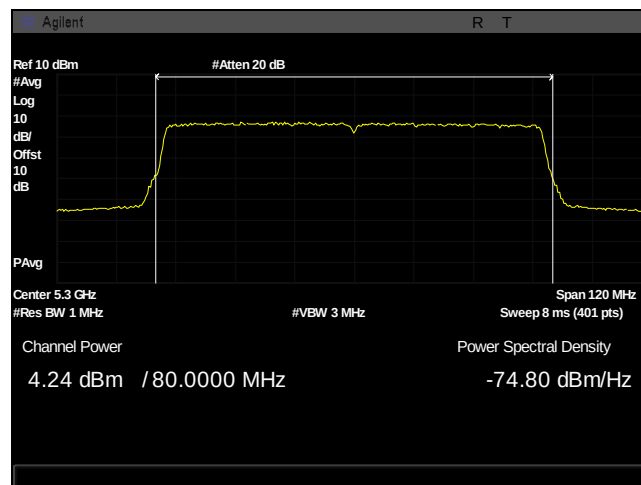
Plot 126. Conducted Transmitter Output Power, UNII 2A, BW 60M, Ch 5320M, 2x2 22dBi chain 1



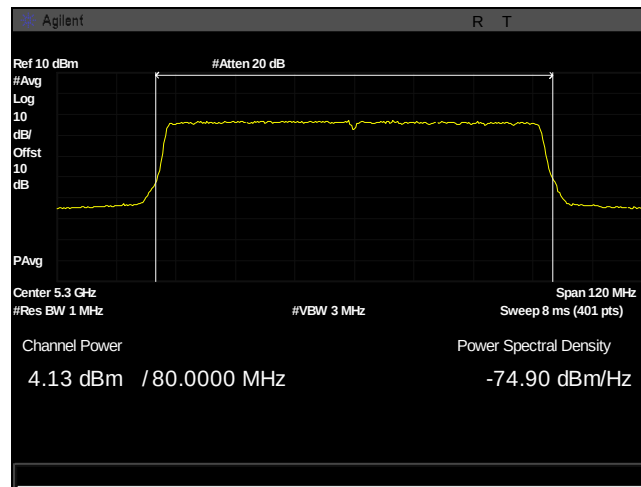
Plot 127. Conducted Transmitter Output Power, UNII 2A, BW 80M, Ch 5290, 2x2 22dBi chain 0



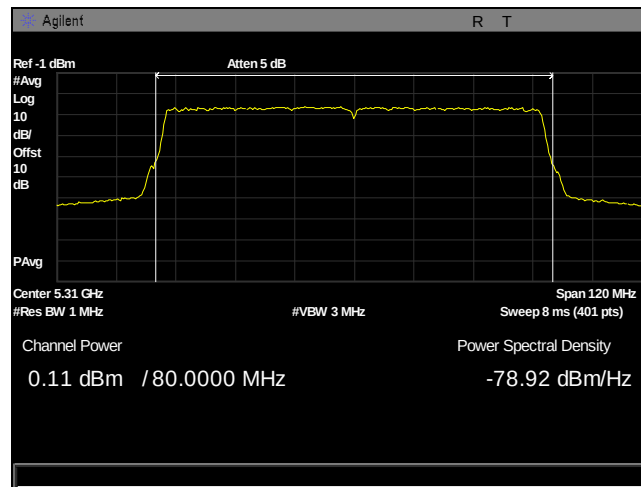
Plot 128. Conducted Transmitter Output Power, UNII 2A, BW 80M, Ch 5290, 2x2 22dBi chain 1



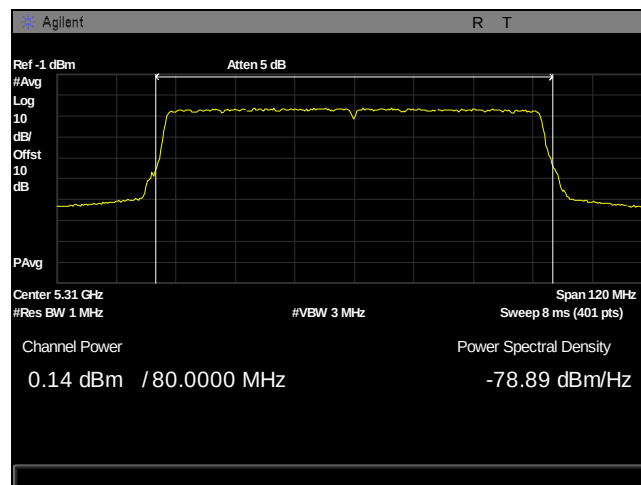
Plot 129. Conducted Transmitter Output Power, UNII 2A, BW 80M, Ch 5300, 2x2 22dBi chain 0



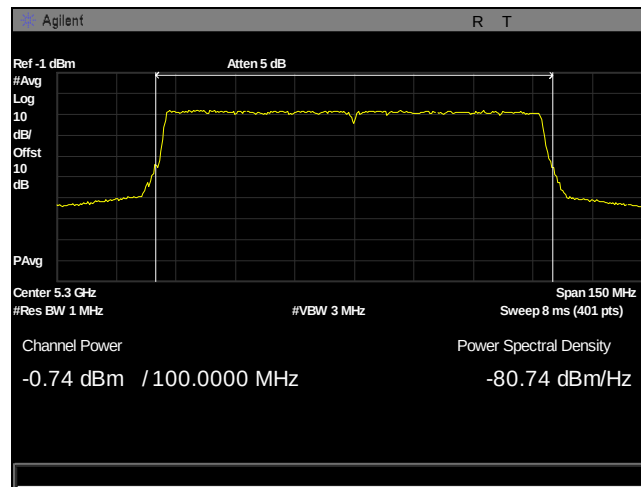
Plot 130. Conducted Transmitter Output Power, UNII 2A, BW 80M, Ch 5300, 2x2 22dBi chain 1



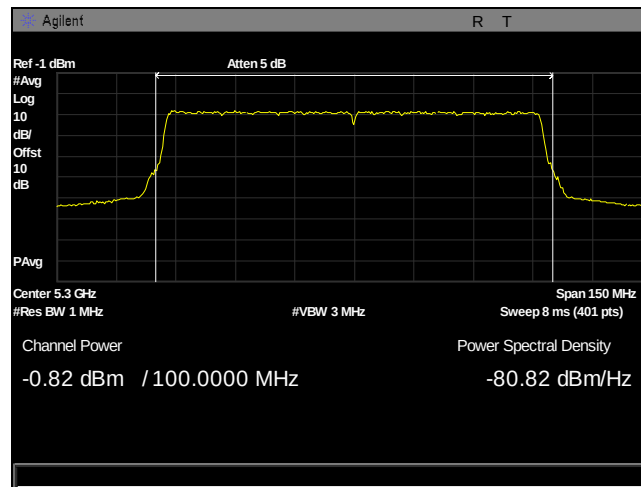
Plot 131. Conducted Transmitter Output Power, UNII 2A, BW 80M, Ch 5310M, 2x2 22dBi chain 0



Plot 132. Conducted Transmitter Output Power, UNII 2A, BW 80M, Ch 5310M, 2x2 22dBi chain 1



Plot 133. Conducted Transmitter Output Power, UNII 2A, BW 100M, Ch 5300M, 2x2 22dBi chain 0

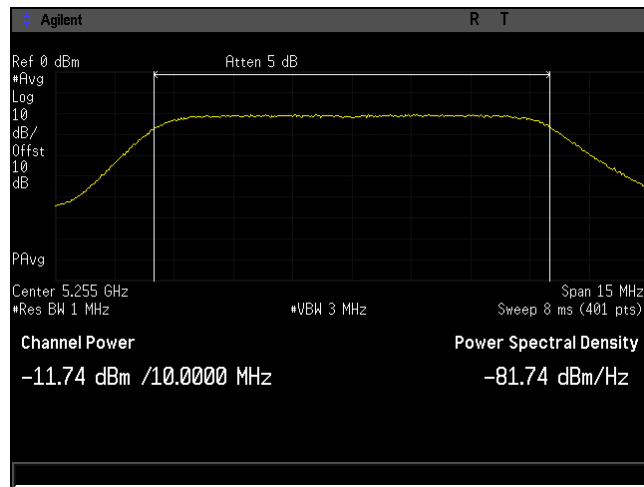


Plot 134. Conducted Transmitter Output Power, UNII 2A, BW 100M, Ch 5300M, 2x2 22dBi chain 1

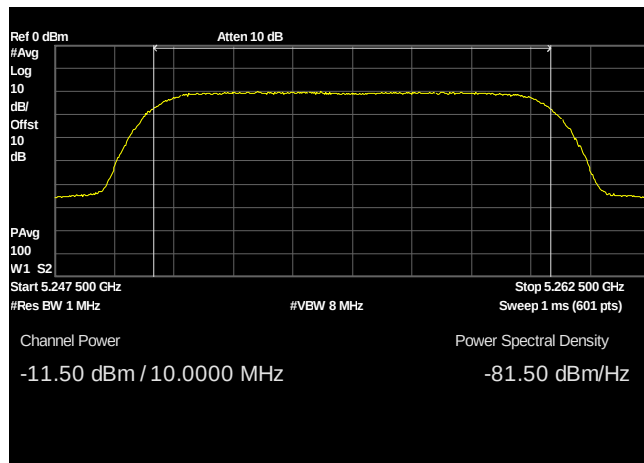
Conducted Transmitter Output Power, UNII 2A, 34 dBi

Channel BW (MHz)	Frequency (MHz)	Chain 0 (dBm)	Chain 1 (dBm)	Sum (dBm)	Limit (dBm)	Directional Gain (dBi)	Final Limit (dBm)	Margin (dB)
10	5255	-11.74	-11.5	-8.608	21.138	34	-6.862	-1.746
	5300	-11.67	-11.63	-8.639	21.136	34	-6.864	-1.775
	5345	-11.57	-11.42	-8.484	21.165	34	-6.835	-1.649
20	5260	-8.47	-8.34	-5.394	24	34	-4	-1.394
	5300	-8.39	-8.09	-5.227	24	34	-4	-1.227
	5340	-8.31	-8.45	-5.369	24	34	-4	-1.369
30	5265	-7.11	-7.04	-4.064	24	34	-4	-0.064
	5300	-7.22	-7.13	-4.164	24	34	-4	-0.164
	5335	-7.87	-7.9	-4.874	24	34	-4	-0.874
40	5270	-7.03	-7.23	-4.118	24	34	-4	-0.118
	5300	-7.08	-7.24	-4.148	24	34	-4	-0.148
	5330	-14.48	-14.56	-11.51	24	34	-4	-7.509
50	5275	-7.06	-7.08	-4.059	24	34	-4	-0.059
	5300	-7.17	-7.12	-4.134	24	34	-4	-0.134
	5325	-11.97	-11.93	-8.939	24	34	-4	-4.939
60	5280	-7.16	-7.15	-4.144	24	34	-4	-0.144
	5300	-7.25	-7.22	-4.224	24	34	-4	-0.224
	5320	-13.43	-13.13	-10.27	24	34	-4	-6.267
80	5290	-7.18	-7.13	-4.144	24	34	-4	-0.144
	5300	-7.08	-7.02	-4.039	24	34	-4	-0.039
	5310	-13.29	-13.51	-10.39	24	34	-4	-6.388
100	5300	-14.51	-14.48	-11.48	24	34	-4	-7.484

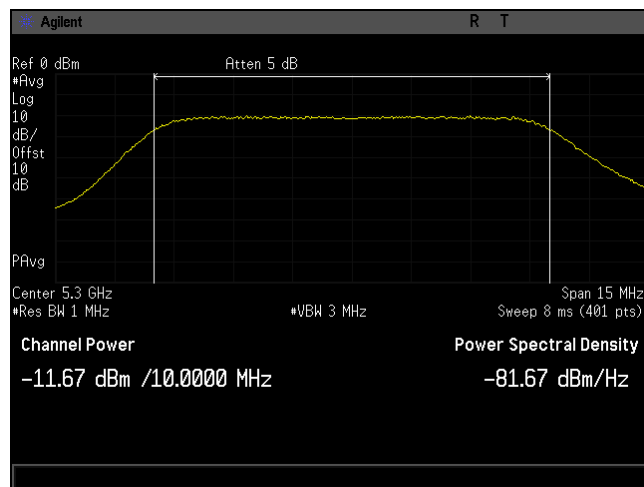
Table 11. Conducted Transmitter Output Power, UNII 2A, 34 dBi, Test Results



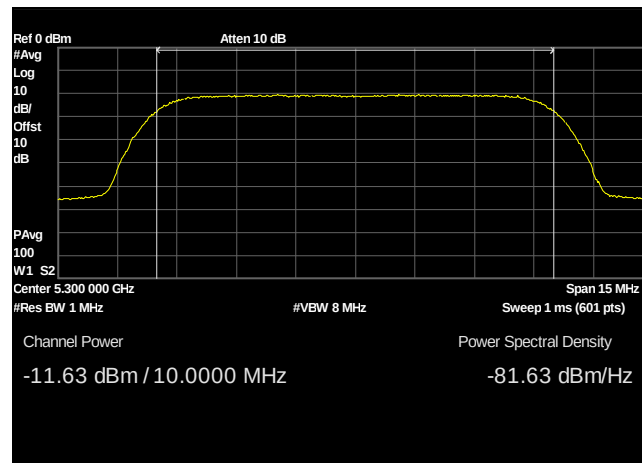
Plot 135. Conducted Transmitter Output Power, UNII 2A, BW 10M, Ch 5255M, 2x2 34dBi chain 0



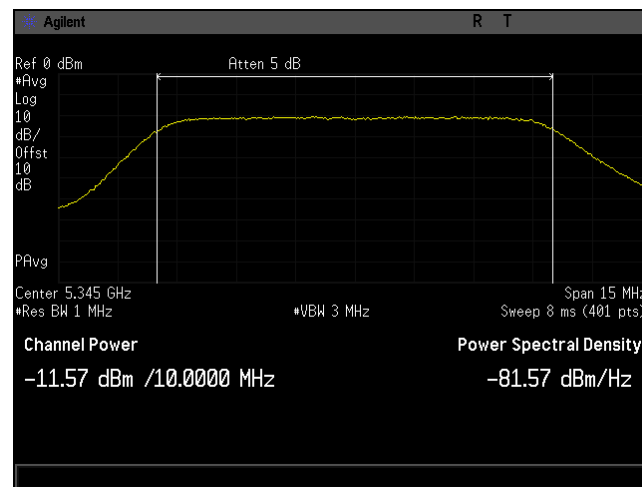
Plot 136. Conducted Transmitter Output Power, UNII 2A, BW 10M, Ch 5255M, 2x2 34dBi chain 1



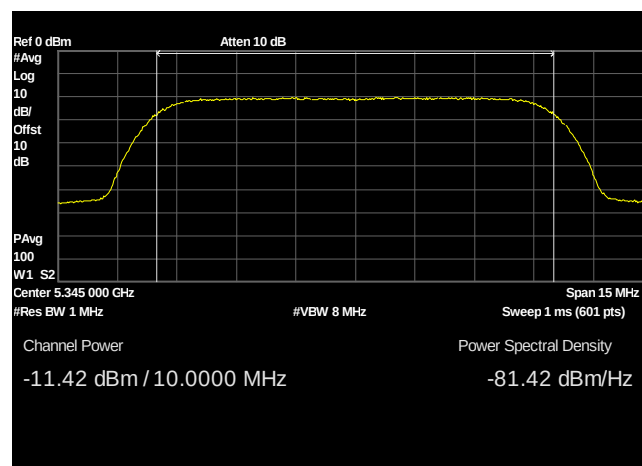
Plot 137. Conducted Transmitter Output Power, UNII 2A, BW 10M, Ch 5300M, 2x2 34dBi chain 0



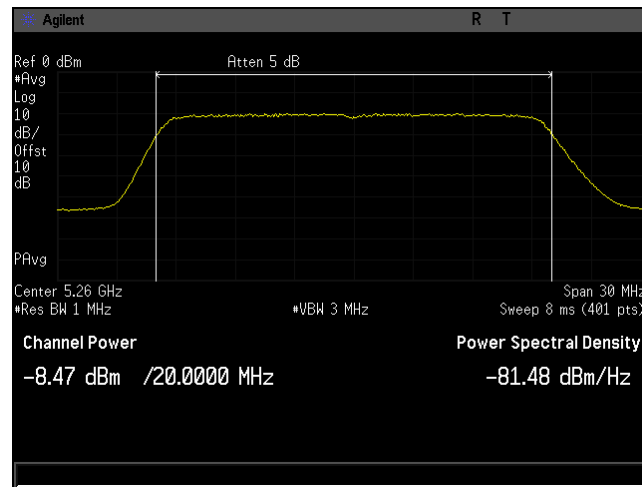
Plot 138. Conducted Transmitter Output Power, UNII 2A, BW 10M, Ch 5300M, 2x2 34dBi chain 1



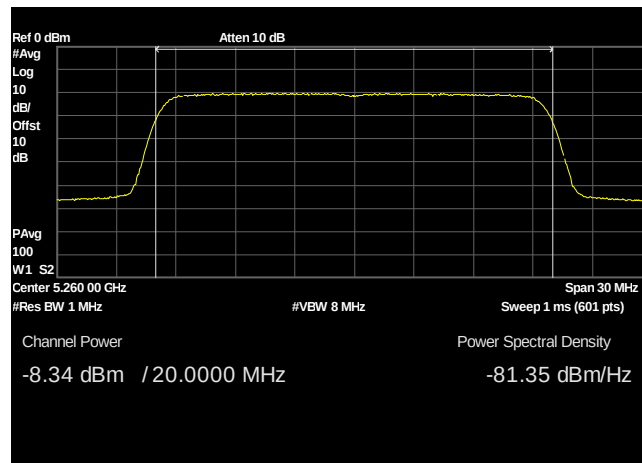
Plot 139. Conducted Transmitter Output Power, UNII 2A, BW 10M, Ch 5345M, 2x2 34dBi chain 0



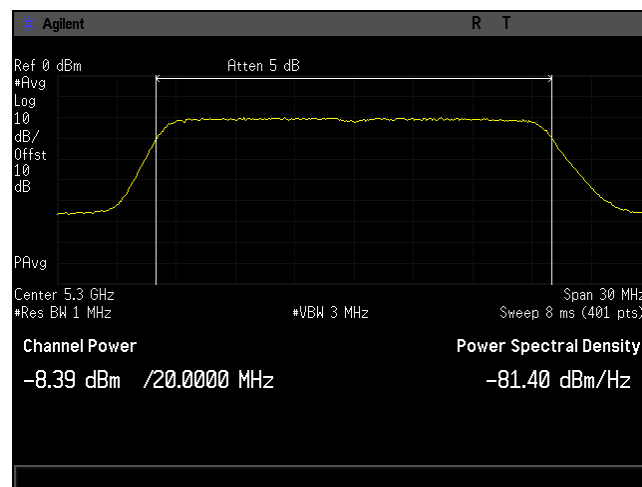
Plot 140. Conducted Transmitter Output Power, UNII 2A, BW 10M, Ch 5345M, 2x2 34dBi chain 1



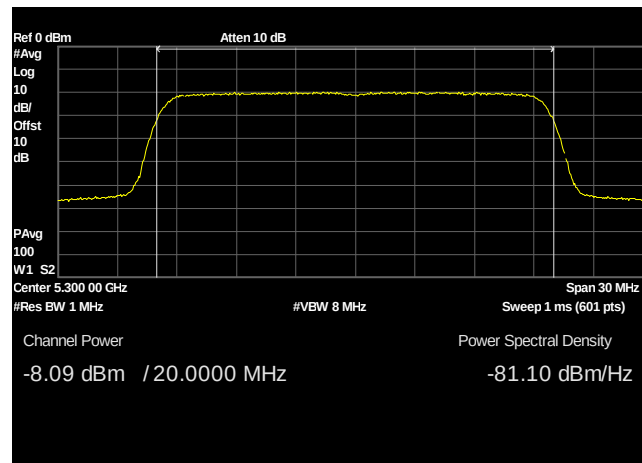
Plot 141. Conducted Transmitter Output Power, UNII 2A, BW 20M, Ch 5260M, 2x2 34dBi chain 0



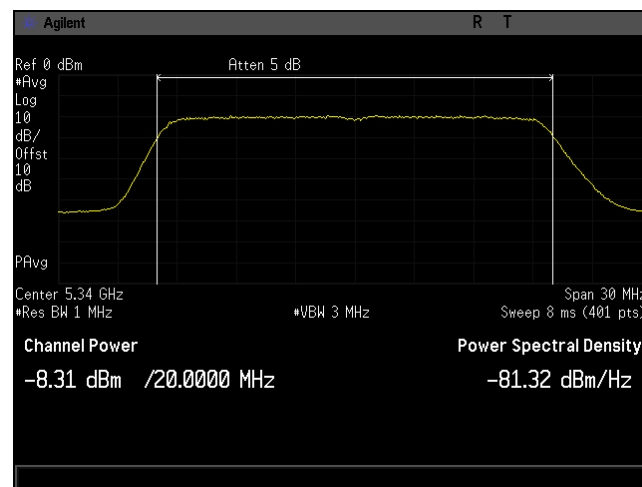
Plot 142. Conducted Transmitter Output Power, UNII 2A, BW 20M, Ch 5260M, 2x2 34dBi chain 1



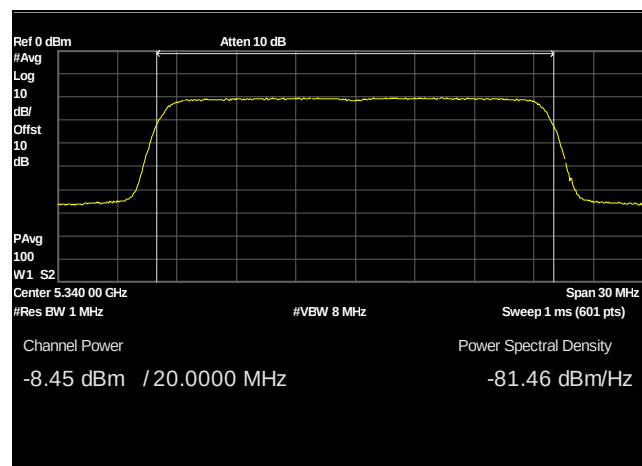
Plot 143. Conducted Transmitter Output Power, UNII 2A, BW 20M, Ch 5300M, 2x2 34dBi chain 0



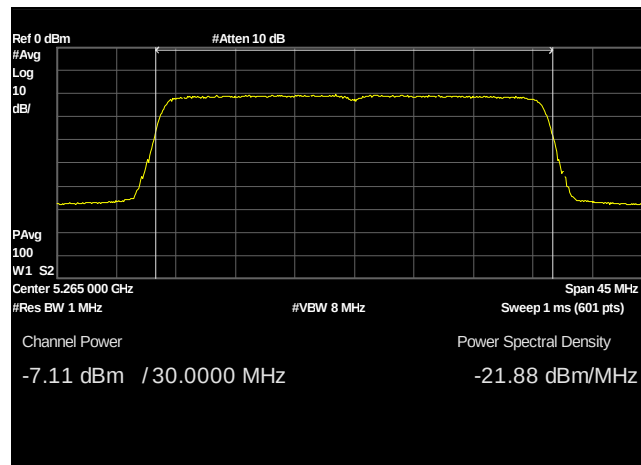
Plot 144. Conducted Transmitter Output Power, UNII 2A, BW 20M, Ch 5300M, 2x2 34dBi chain 1



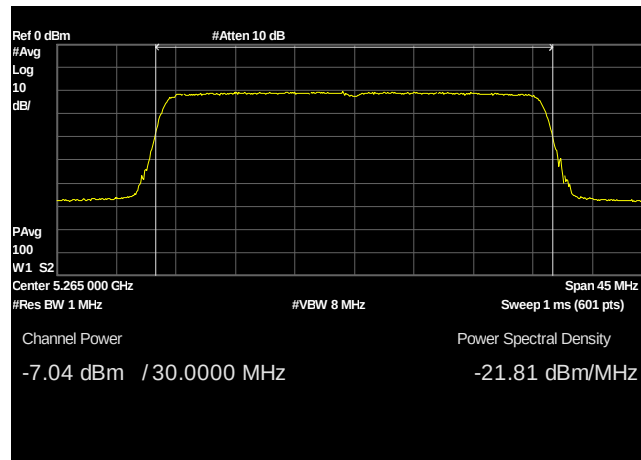
Plot 145. Conducted Transmitter Output Power, UNII 2A, BW 20M, Ch 5340M, 2x2 34dBi chain 0



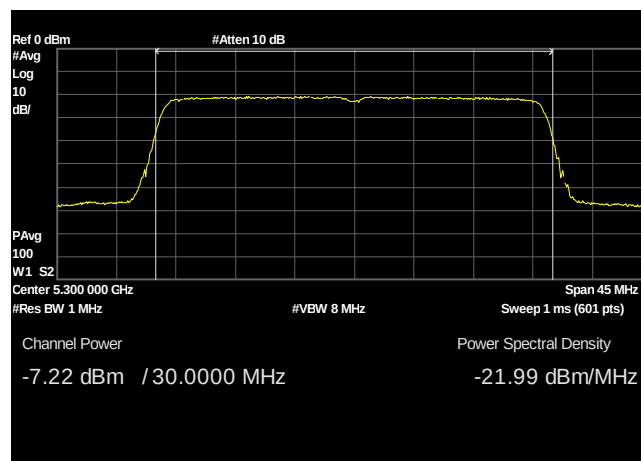
Plot 146. Conducted Transmitter Output Power, UNII 2A, BW 20M, Ch 5340M, 2x2 34dBi chain 1



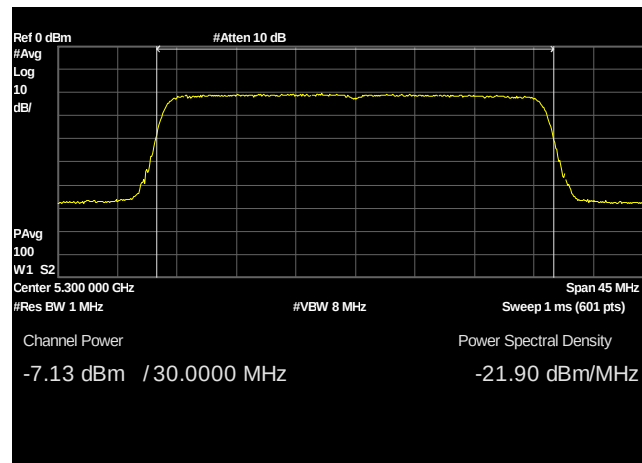
Plot 147. Conducted Transmitter Output Power, UNII 2A, BW 30M, Ch 5265M, 2x2 34dBi chain 0



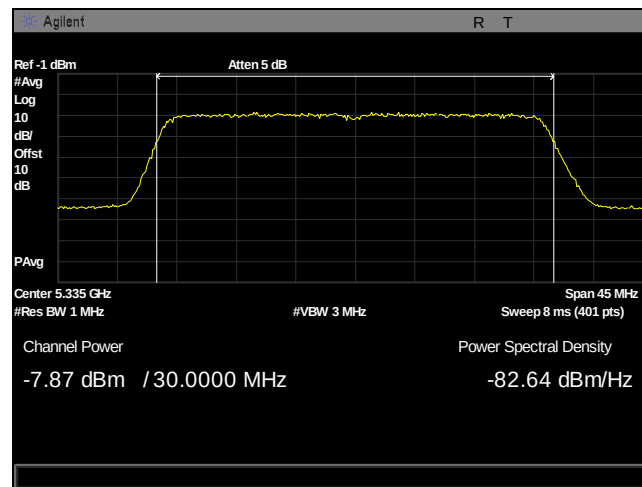
Plot 148. Conducted Transmitter Output Power, UNII 2A, BW 30M, Ch 5265M, 2x2 34dBi chain 1



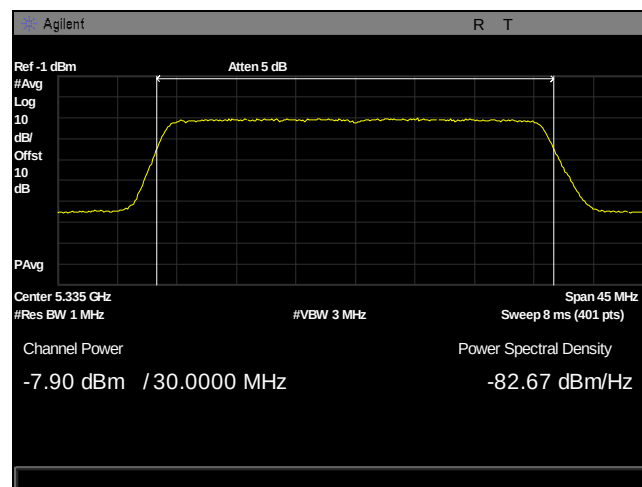
Plot 149. Conducted Transmitter Output Power, UNII 2A, BW 30M, Ch 5300M, 2x2 34dBi chain 0



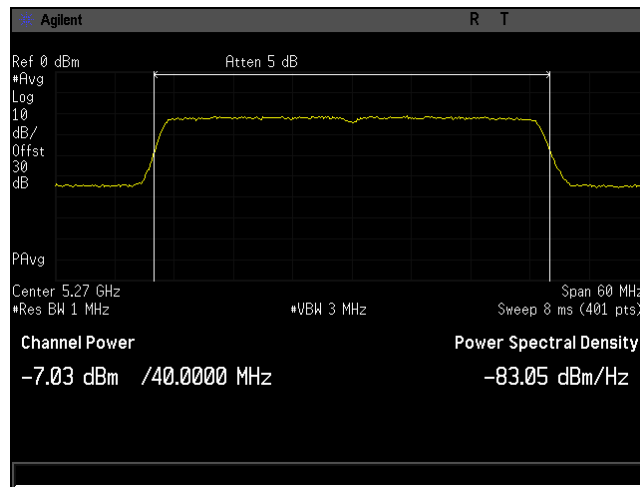
Plot 150. Conducted Transmitter Output Power, UNII 2A, BW 30M, Ch 5300M, 2x2 34dBi chain 1



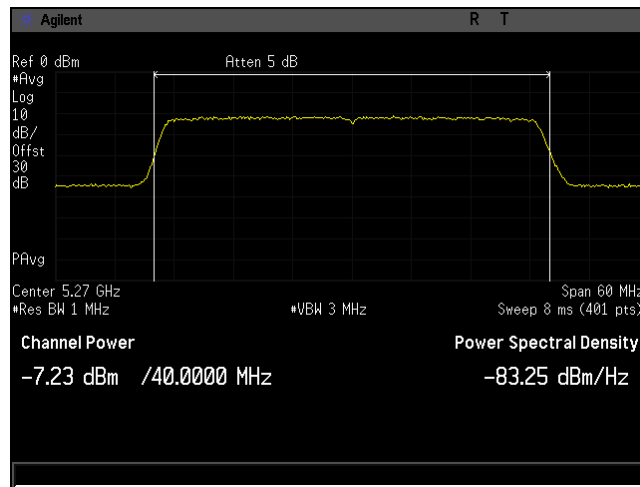
Plot 151. Conducted Transmitter Output Power, UNII 2A, BW 30M, Ch 5335M, 2x2 34dBi chain 0



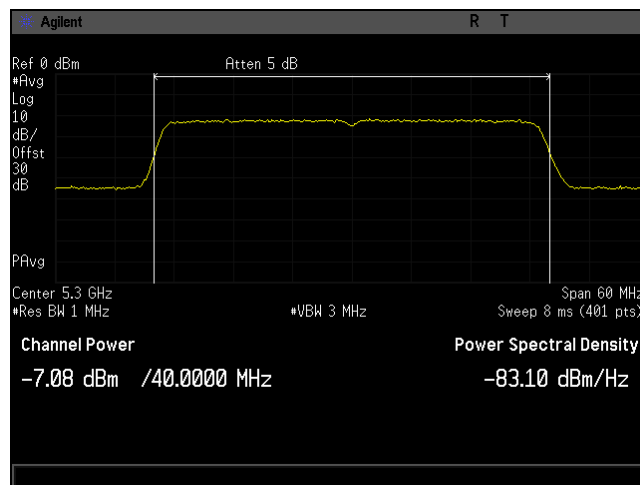
Plot 152. Conducted Transmitter Output Power, UNII 2A, BW 30M, Ch 5335M, 2x2 34dBi chain 1



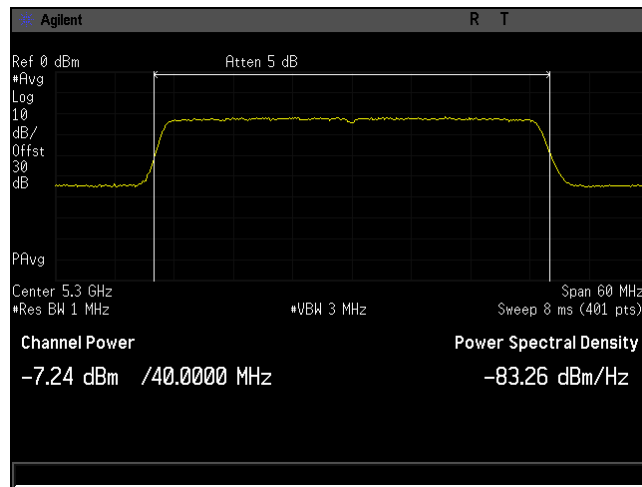
Plot 153. Conducted Transmitter Output Power, UNII 2A, BW 40M, Ch 5270M, 2x2 34dBi chain 0



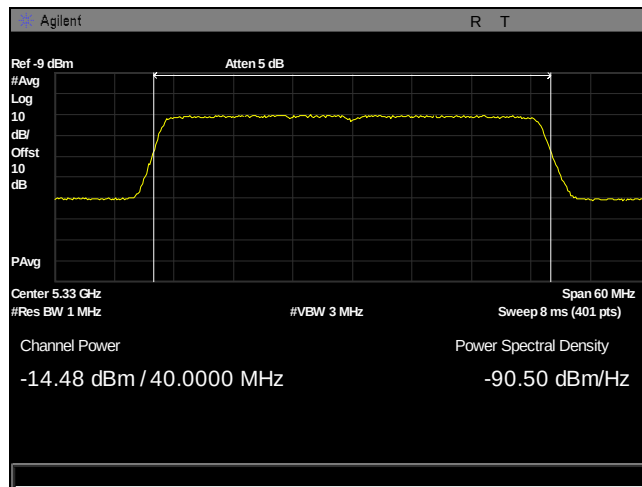
Plot 154. Conducted Transmitter Output Power, UNII 2A, BW 40M, Ch 5270M, 2x2 34dBi chain 1



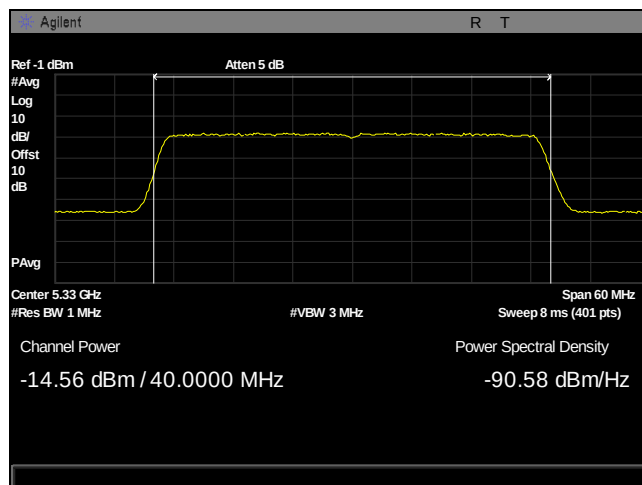
Plot 155. Conducted Transmitter Output Power, UNII 2A, BW 40M, Ch 5300M, 2x2 34dBi chain 0



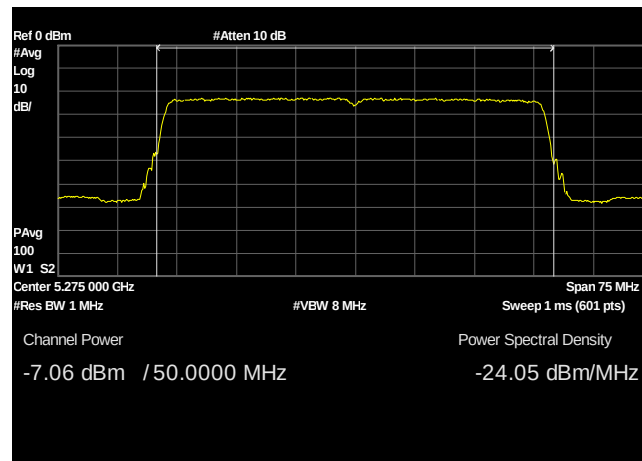
Plot 156. Conducted Transmitter Output Power, UNII 2A, BW 40M, Ch 5300M, 2x2 34dBi chain 1



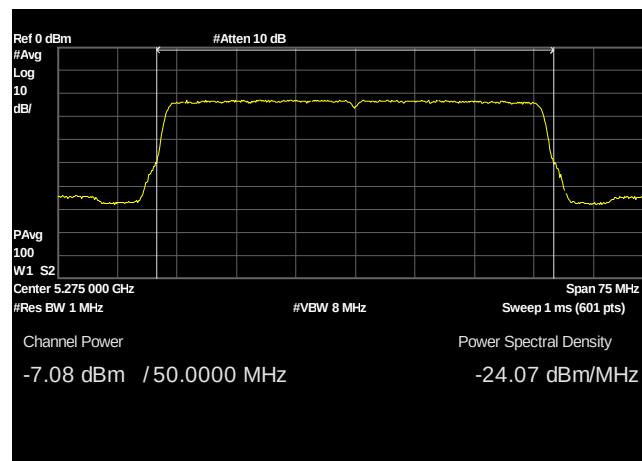
Plot 157. Conducted Transmitter Output Power, UNII 2A, BW 40M, Ch 5330M, 2x2 34dBi chain 0



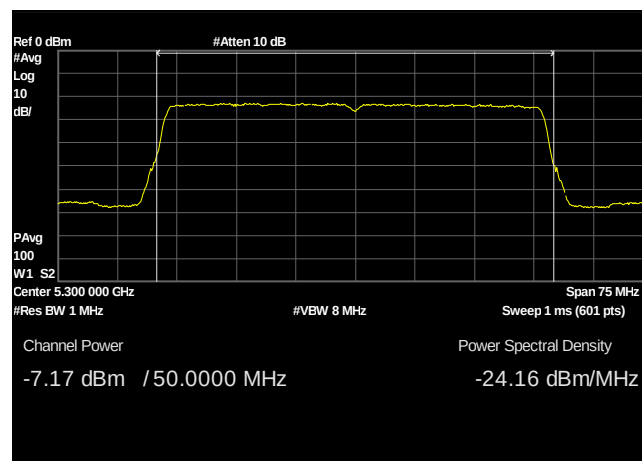
Plot 158. Conducted Transmitter Output Power, UNII 2A, BW 40M, Ch 5330M, 2x2 34dBi chain 1



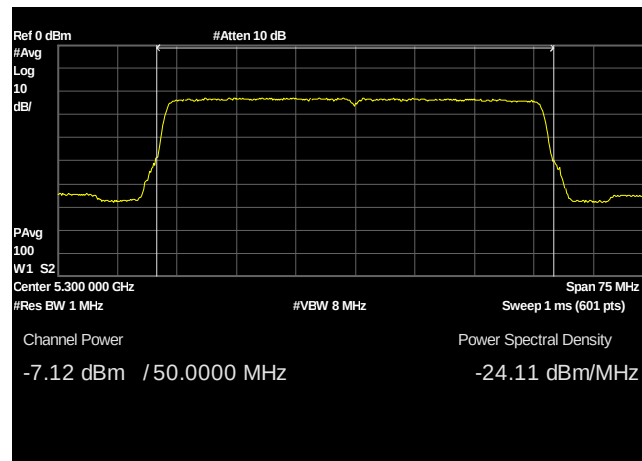
Plot 159. Conducted Transmitter Output Power, UNII 2A, BW 50M, Ch 5275M, 2x2 34dBi chain 0



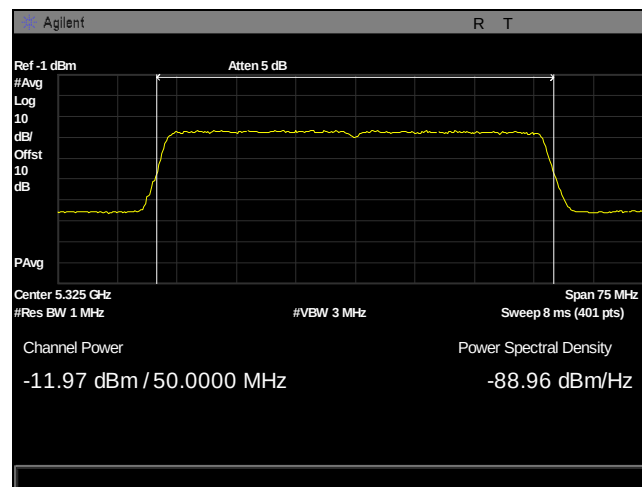
Plot 160. Conducted Transmitter Output Power, UNII 2A, BW 50M, Ch 5275M, 2x2 34dBi chain 1



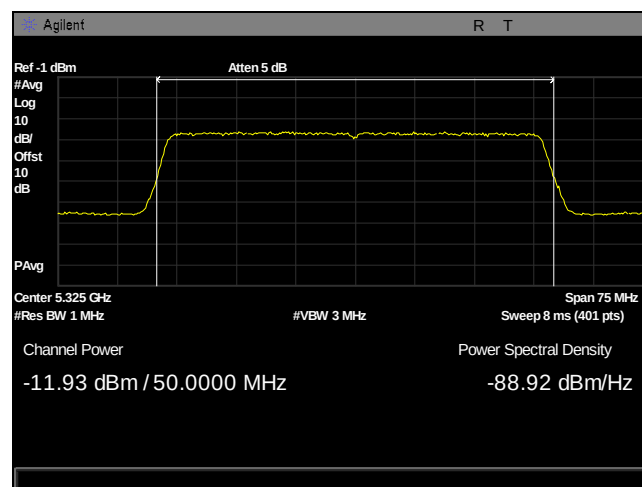
Plot 161. Conducted Transmitter Output Power, UNII 2A, BW 50M, Ch 5300M, 2x2 34dBi chain 0



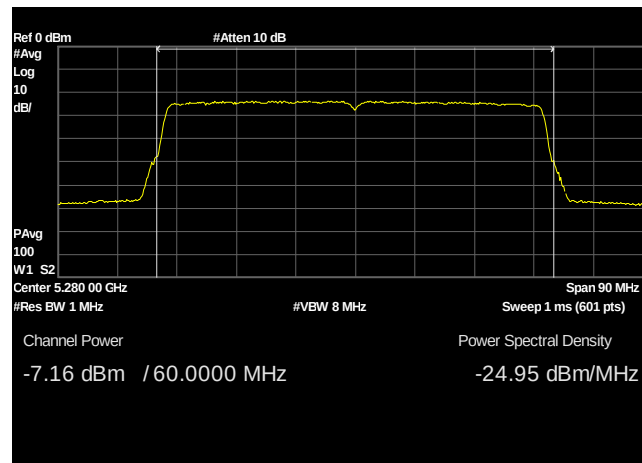
Plot 162. Conducted Transmitter Output Power, UNII 2A, BW 50M, Ch 5300M, 2x2 34dBi chain 1



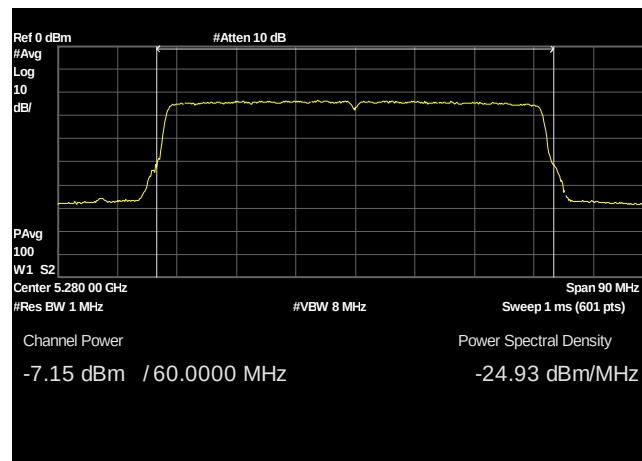
Plot 163. Conducted Transmitter Output Power, UNII 2A, BW 50M, Ch 5325M, 2x2 34dBi chain 0



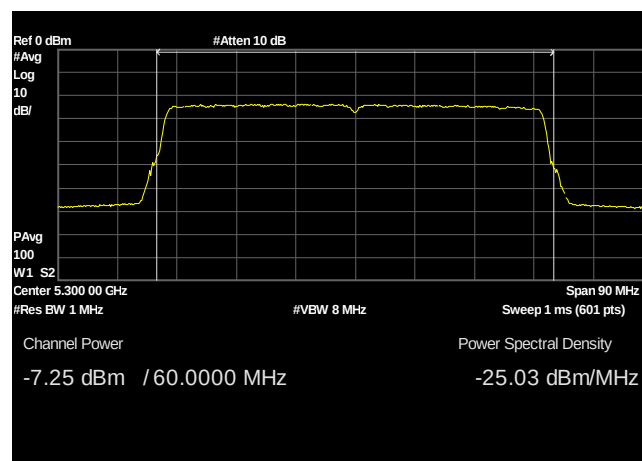
Plot 164. Conducted Transmitter Output Power, UNII 2A, BW 50M, Ch 5325M, 2x2 34dBi chain 1



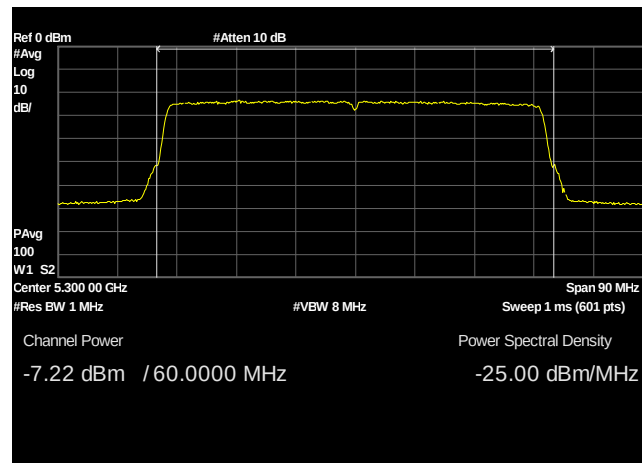
Plot 165. Conducted Transmitter Output Power, UNII 2A, BW 60M, Ch 5280M, 2x2 34dBi chain 0



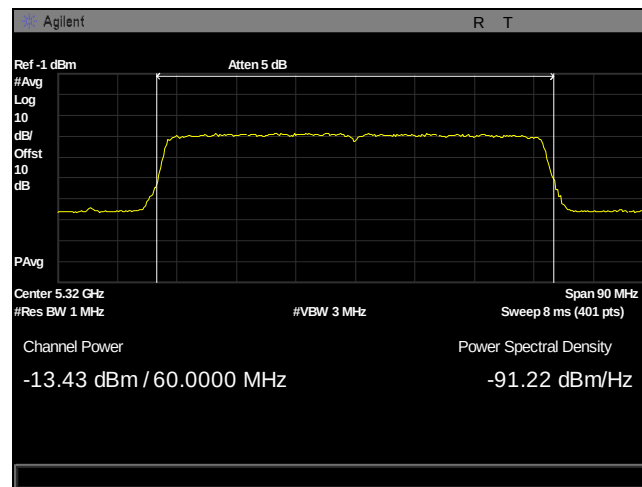
Plot 166. Conducted Transmitter Output Power, UNII 2A, BW 60M, Ch 5280M, 2x2 34dBi chain 1



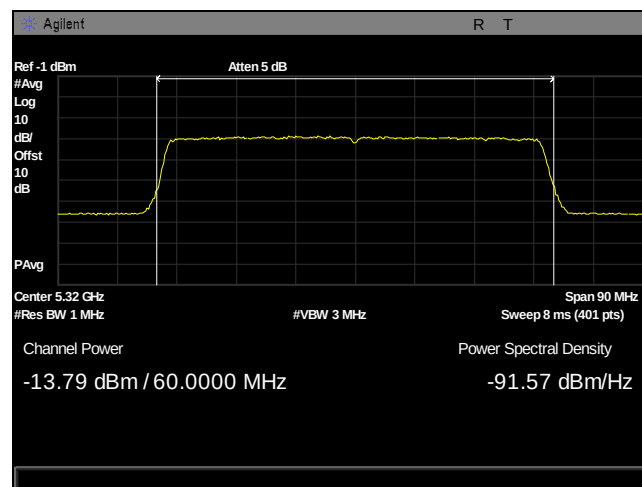
Plot 167. Conducted Transmitter Output Power, UNII 2A, BW 60M, Ch 5300M, 2x2 34dBi chain 0



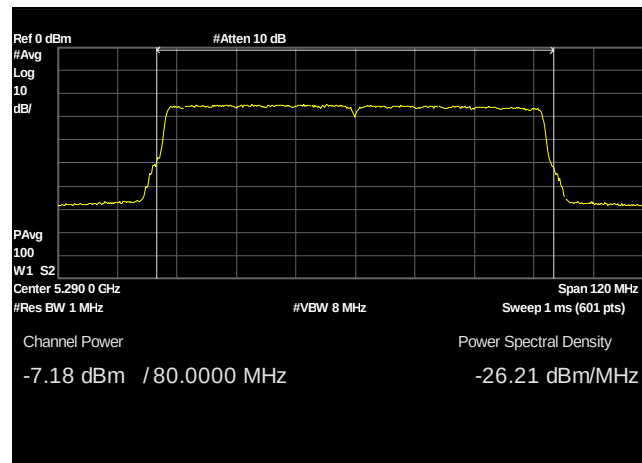
Plot 168. Conducted Transmitter Output Power, UNII 2A, BW 60M, Ch 5300M, 2x2 34dBi chain 1



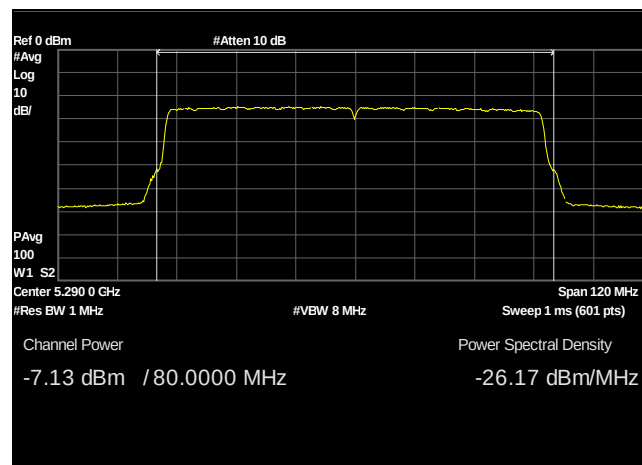
Plot 169. Conducted Transmitter Output Power, UNII 2A, BW 60M, Ch 5320M, 2x2 34dBi chain 0



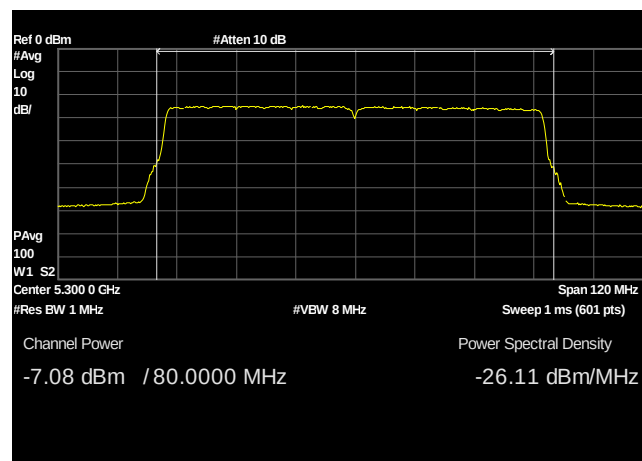
Plot 170. Conducted Transmitter Output Power, UNII 2A, BW 60M, Ch 5320M, 2x2 34dBi chain 1



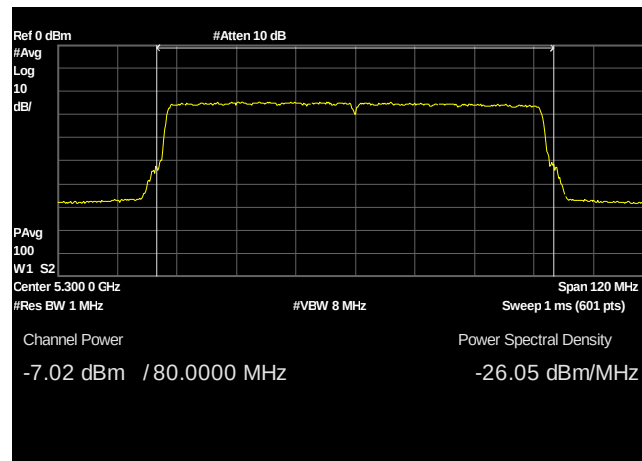
Plot 171. Conducted Transmitter Output Power, UNII 2A, BW 80M, Ch 5290M, 2x2 34dBi chain 0



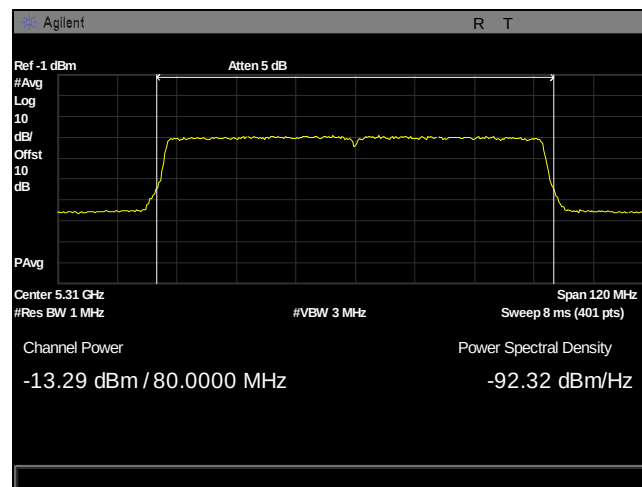
Plot 172. Conducted Transmitter Output Power, UNII 2A, BW 80M, Ch 5290M, 2x2 34dBi chain 1



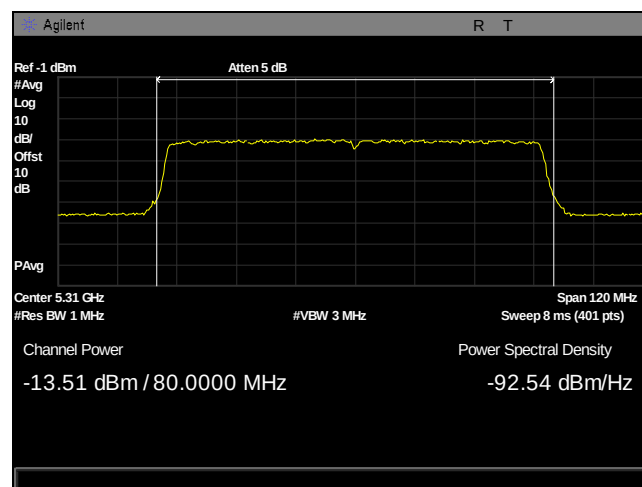
Plot 173. Conducted Transmitter Output Power, UNII 2A, BW 80M, Ch 5300M, 2x2 34dBi chain 0



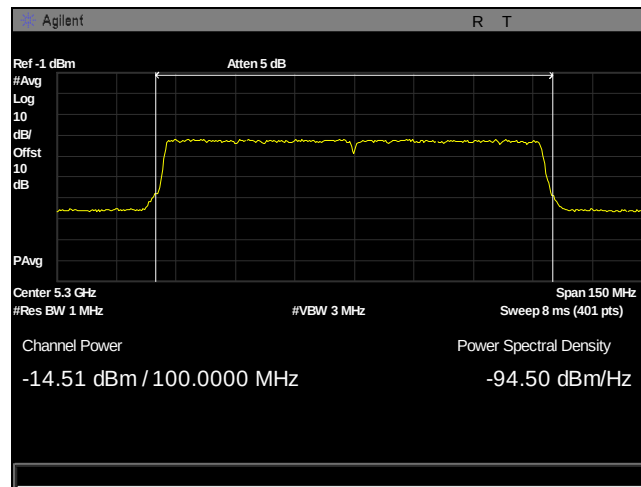
Plot 174. Conducted Transmitter Output Power, UNII 2A, BW 80M, Ch 5300M, 2x2 34dBi chain 1



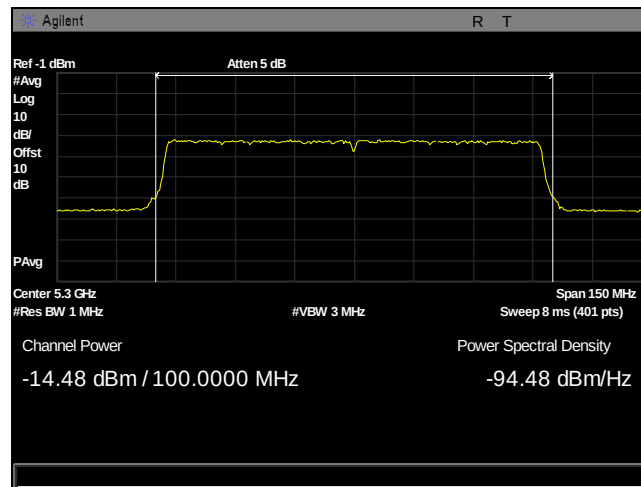
Plot 175. Conducted Transmitter Output Power, UNII 2A, BW 80M, Ch 5310M, 2x2 34dBi chain 0



Plot 176. Conducted Transmitter Output Power, UNII 2A, BW 80M, Ch 5310M, 2x2 34dBi chain 1



Plot 177. Conducted Transmitter Output Power, UNII 2A, BW 100M, Ch 5300M, 2x2 34dBi chain 0

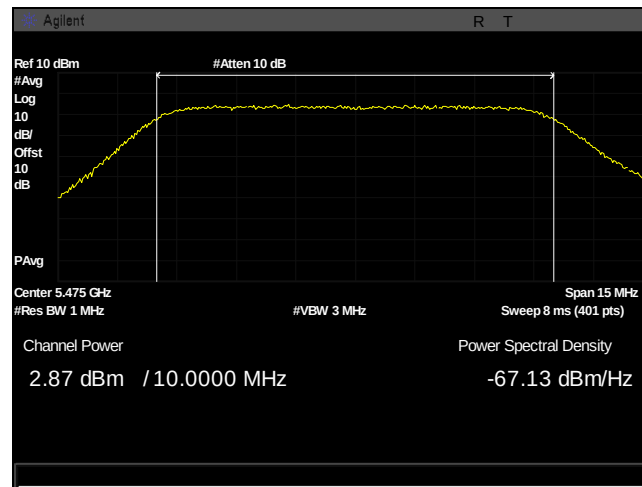


Plot 178. Conducted Transmitter Output Power, UNII 2A, BW 100M, Ch 5300M, 2x2 34dBi chain 1

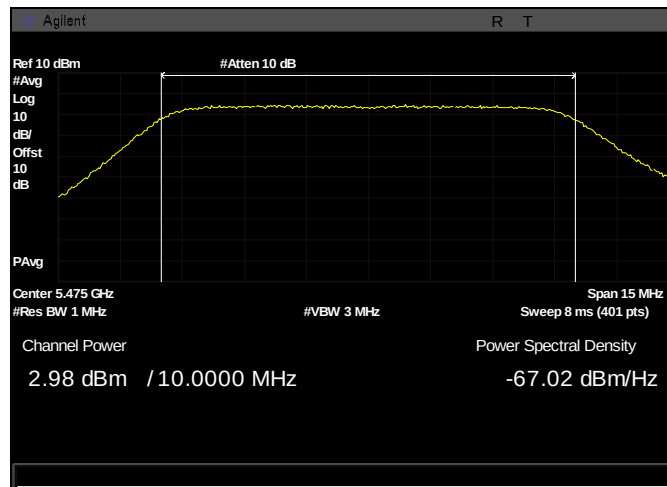
Conducted Transmitter Output Power, UNII 2C, 13 dBi

Channel BW (MHz)	Frequency (MHz)	Chain 0 (dBm)	Chain 1 (dBm)	Sum (dBm)	Limit (dBm)	Directional Gain (dBi)	Final Limit (dBm)	Margin (dB)
10	5475	2.87	2.98	5.936	21.161	13	14.161	-8.225
	5600	9.66	9.69	12.69	21.149	13	14.149	-1.463
	5720	6.56	6.54	9.561	21.146	13	14.146	-4.585
20	5480	-0.7	-0.44	2.443	24	13	17	-14.557
	5600	12.08	12.32	15.21	24	13	17	-1.788
	5715	7.97	8.28	11.14	24	13	17	-5.861
30	5485	0.26	0.55	3.418	24	13	17	-13.582
	5600	13.93	13.95	16.95	24	13	17	-0.049
	5710	8.32	8.01	11.18	24	13	17	-5.821
40	5490	-1.29	-0.79	1.978	24	13	17	-15.022
	5600	13.85	14.01	16.94	24	13	17	-0.058
	5705	8.5	8.1	11.32	24	13	17	-5.685
50	5495	-0.84	-0.36	2.417	24	13	17	-14.583
	5600	13.47	13.46	16.48	24	13	17	-0.524
	5700	8.19	8.43	11.32	24	13	17	-5.678
60	5500	-1.01	-0.81	2.102	24	13	17	-14.898
	5600	13.95	13.87	16.92	24	13	17	-0.079
	5695	9.14	9.35	12.26	24	13	17	-4.743
80	5510	-1.54	-1.26	1.613	24	13	17	-15.387
	5600	13.59	13.68	16.65	24	13	17	-0.354
	5685	9.88	10.09	13	24	13	17	-4.003
100	5520	-0.82	-0.54	2.333	24	13	17	-14.667
	5600	13.62	13.81	16.73	24	13	17	-0.273
	5675	10.88	10.76	13.83	24	13	17	-3.169

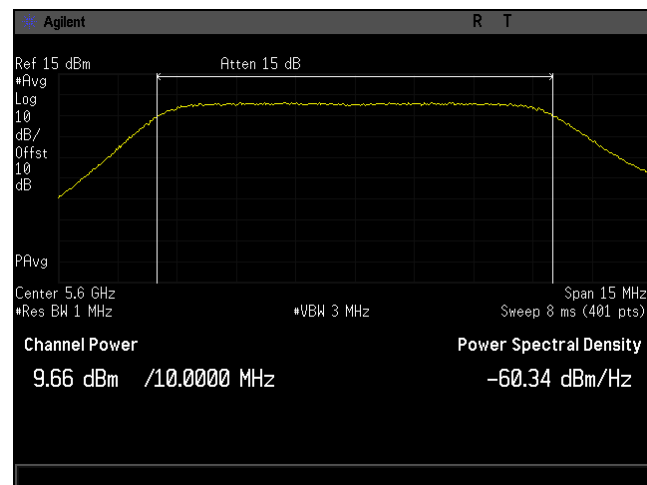
Table 12. Conducted Transmitter Output Power, UNII 2C, 13 dBi, Test Results



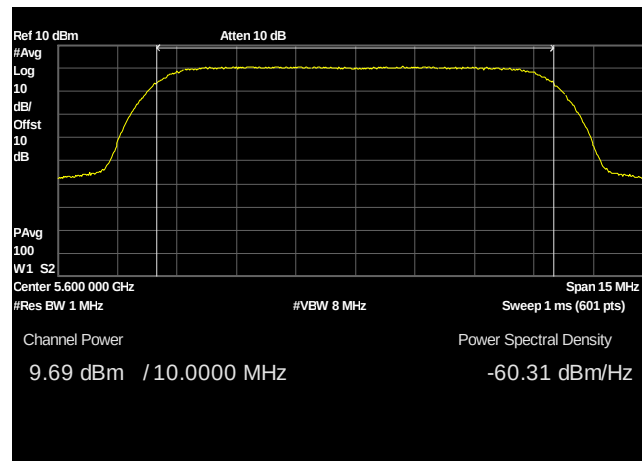
Plot 179. Conducted Transmitter Output Power, UNII 2C, BW 10M, Ch 5475M, 2x2 13dBi chain 0



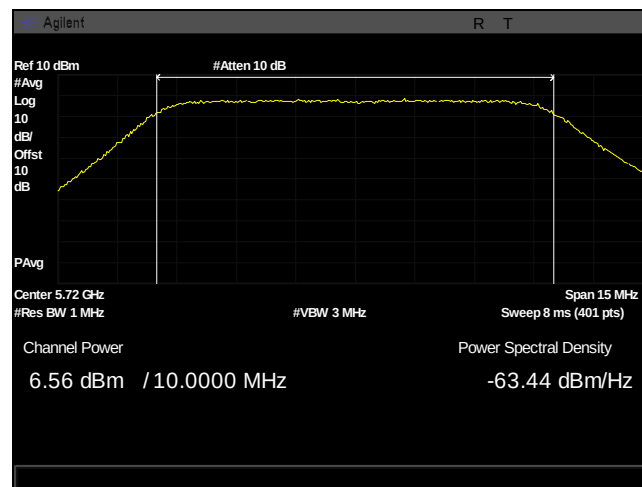
Plot 180, Conducted Transmitter Output Power, UNII 2C, BW 10M, Ch 5475M, 2x2 13dBi chain 1



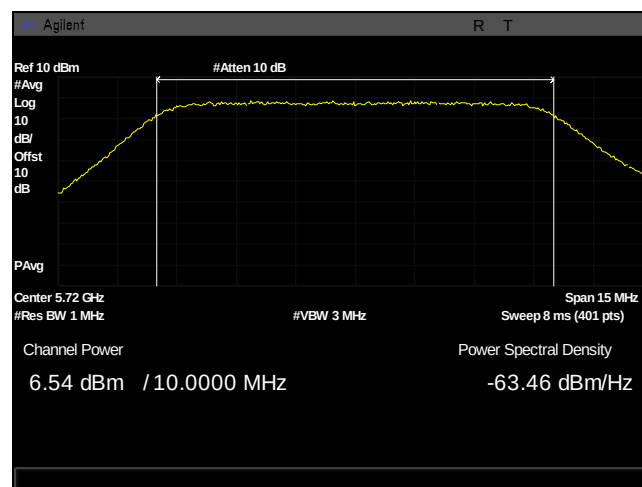
Plot 181,. Conducted Transmitter Output Power, UNII 2C, BW 10M, Ch 5600M, 2x2 13dBi chain 0



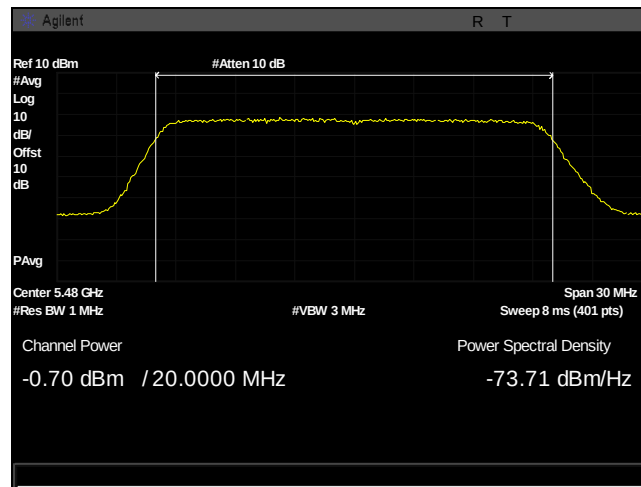
Plot 182. Conducted Transmitter Output Power, UNII 2C, BW 10M, Ch 5600M, 2x2 13dBi chain 1



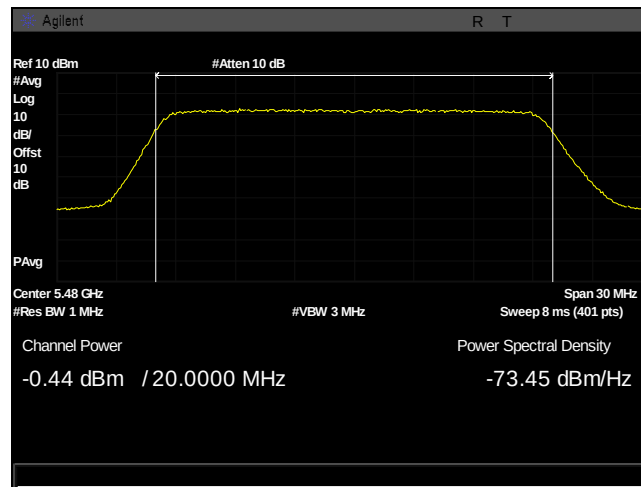
Plot 183. Conducted Transmitter Output Power, UNII 2C, BW 10M, Ch 5720M, 2x2 13dBi chain 0



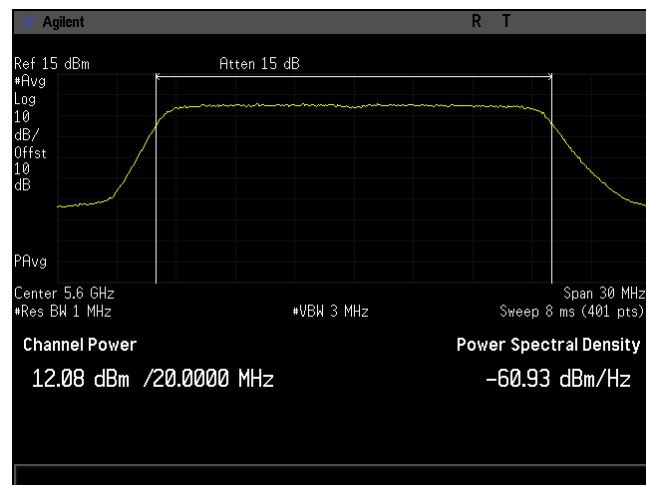
Plot 184. Conducted Transmitter Output Power, UNII 2C, BW 10M, Ch 5720M, 2x2 13dBi chain 1



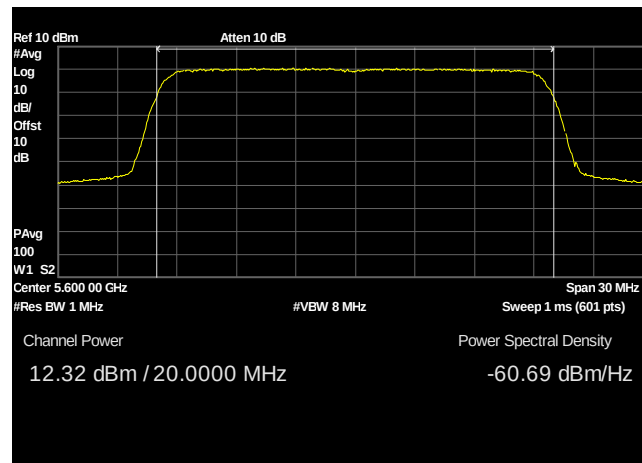
Plot 185. Conducted Transmitter Output Power, UNII 2C, BW 20M, Ch 5480M, 2x2 13dBi chain 0



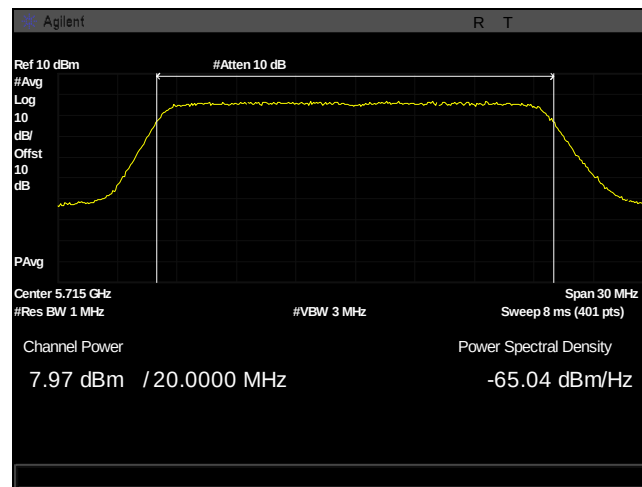
Plot 186. Conducted Transmitter Output Power, UNII 2C, BW 20M, Ch 5480M, 2x2 13dBi chain 1



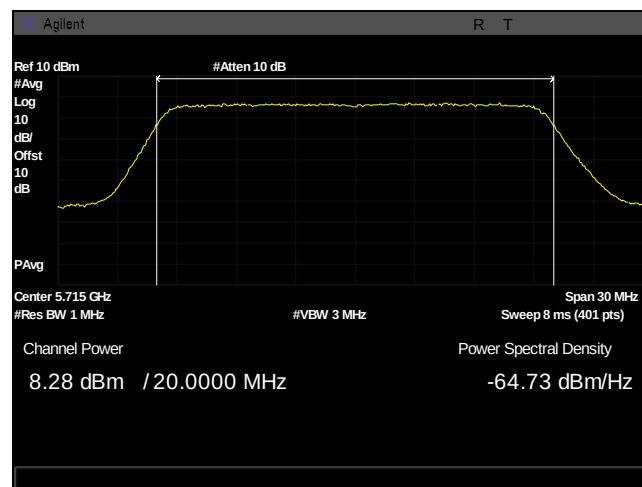
Plot 187. Conducted Transmitter Output Power, UNII 2C, BW 20M, Ch 5600M, 2x2 13dBi chain 0



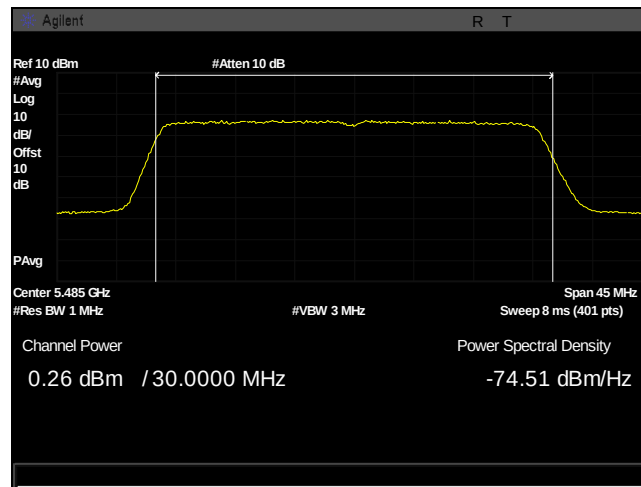
Plot 188. Conducted Transmitter Output Power, UNII 2C, BW 20M, Ch 5600M, 2x2 13dBi chain 1



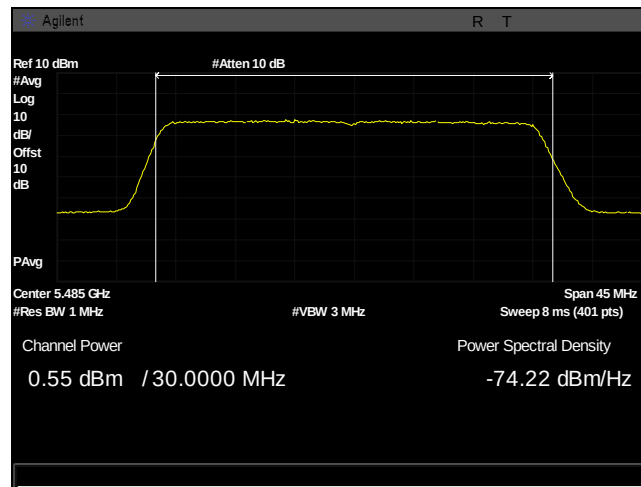
Plot 189. Conducted Transmitter Output Power, UNII 2C, BW 20M, Ch 5715M, 2x2 13dBi chain 0



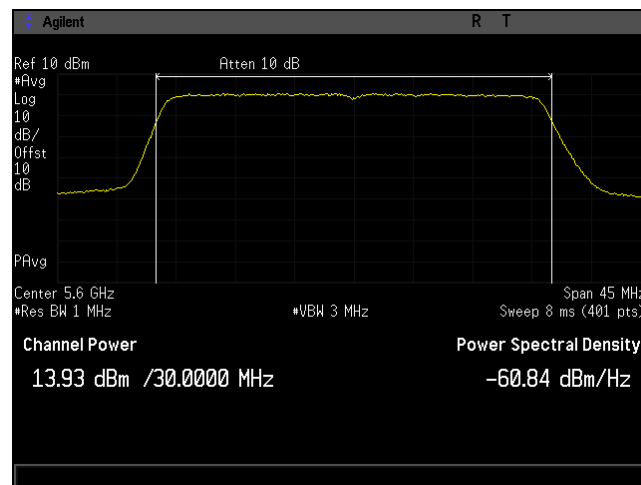
Plot 190. Conducted Transmitter Output Power, UNII 2C, BW 20M, Ch 5715M, 2x2 13dBi chain 1



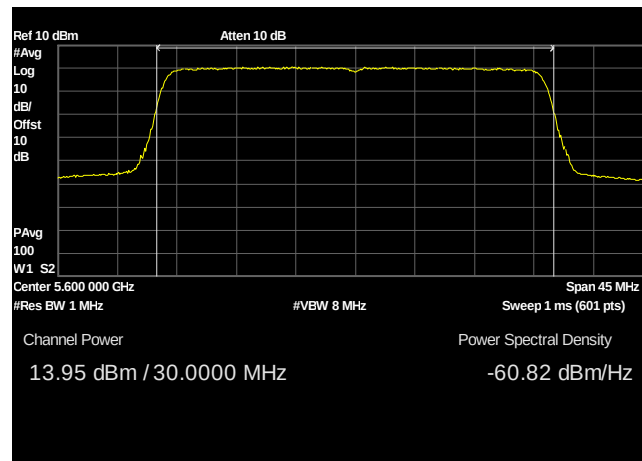
Plot 191. Conducted Transmitter Output Power, UNII 2C, BW 30M, Ch 5485M, 2x2 13dBi chain 0



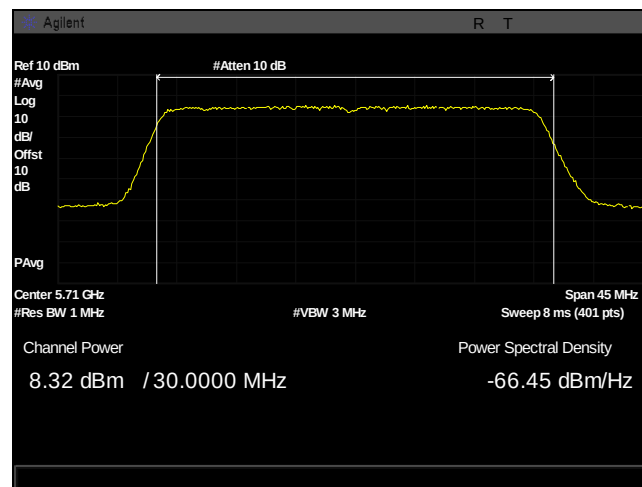
Plot 192. Conducted Transmitter Output Power, UNII 2C, BW 30M, Ch 5485M, 2x2 13dBi chain 1



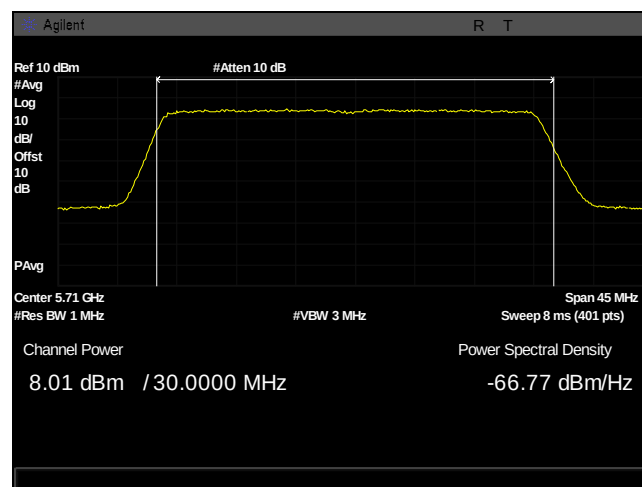
Plot 193. Conducted Transmitter Output Power, UNII 2C, BW 30M, Ch 5600M, 2x2 13dBi chain 0



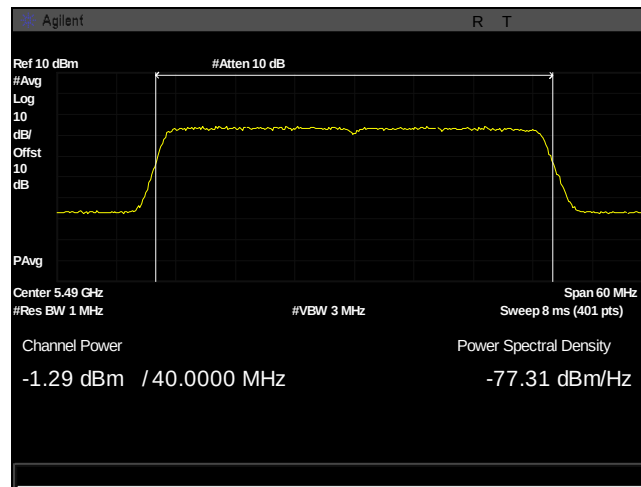
Plot 194. Conducted Transmitter Output Power, UNII 2C, BW 30M, Ch 5600M, 2x2 13dBi chain 1



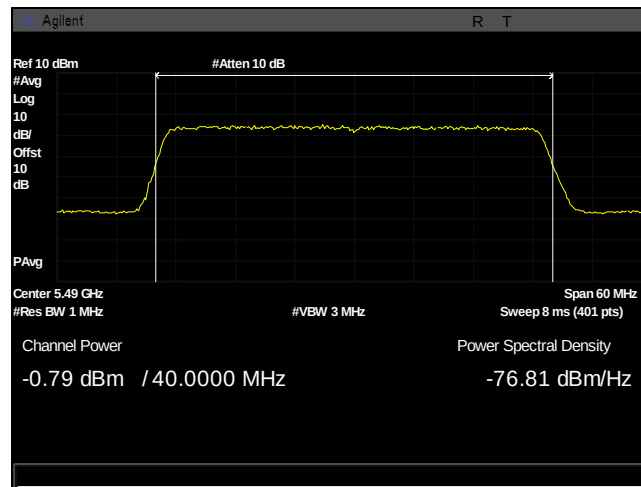
Plot 195. Conducted Transmitter Output Power, UNII 2C, BW 30M, Ch 5710M, 2x2 13dBi chain 0



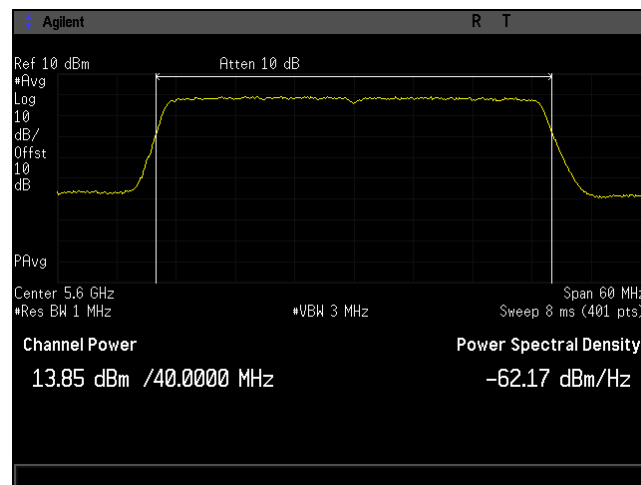
Plot 196. Conducted Transmitter Output Power, UNII 2C, BW 30M, Ch 5710M, 2x2 13dBi chain 1



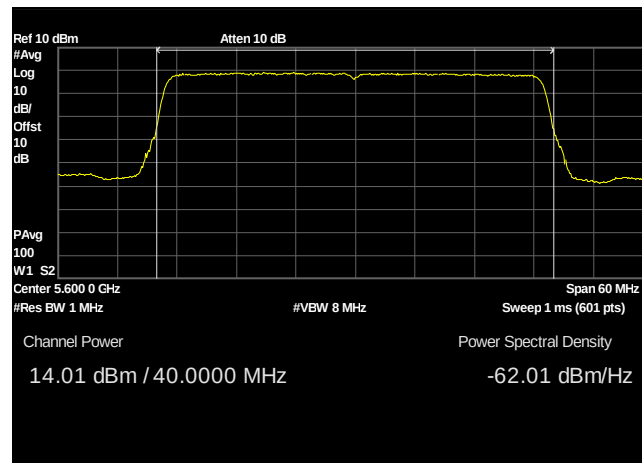
Plot 197. Conducted Transmitter Output Power, UNII 2C, BW 40M, Ch 5490M, 2x2 13dBi chain 0



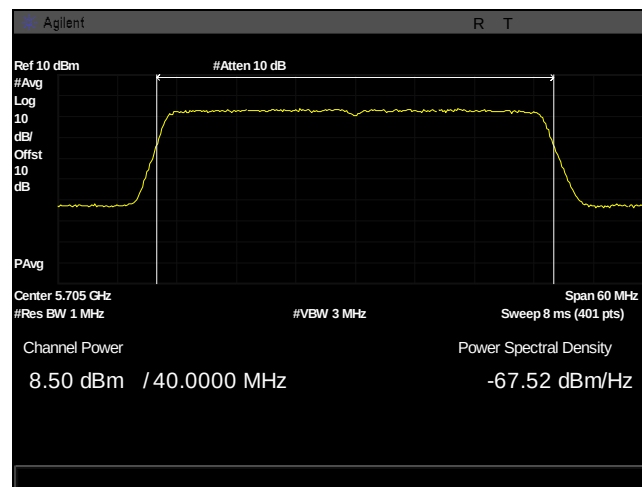
Plot 198. Conducted Transmitter Output Power, UNII 2C, BW 40M, Ch 5490M, 2x2 13dBi chain 1



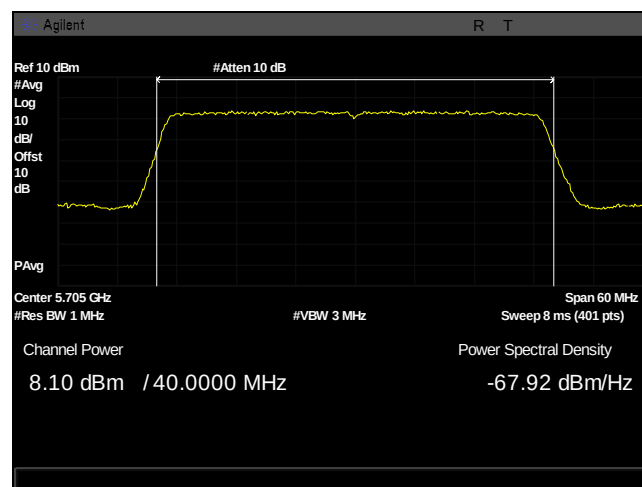
Plot 199. Conducted Transmitter Output Power, UNII 2C, BW 40M, Ch 5600M, 2x2 13dBi chain 0



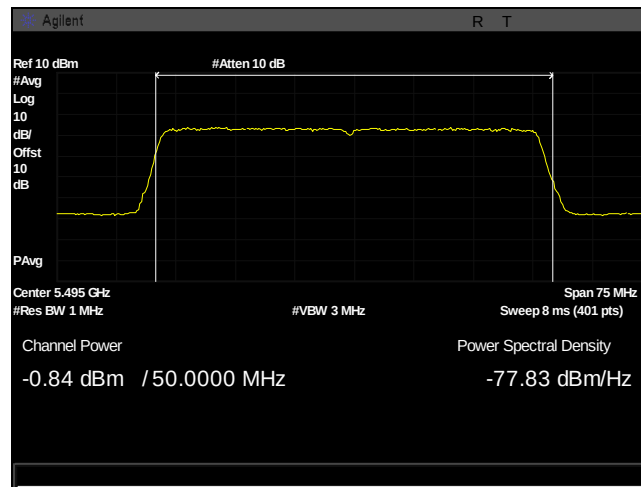
Plot 200. Conducted Transmitter Output Power, UNII 2C, BW 40M, Ch 5600M, 2x2 13dBi chain 1



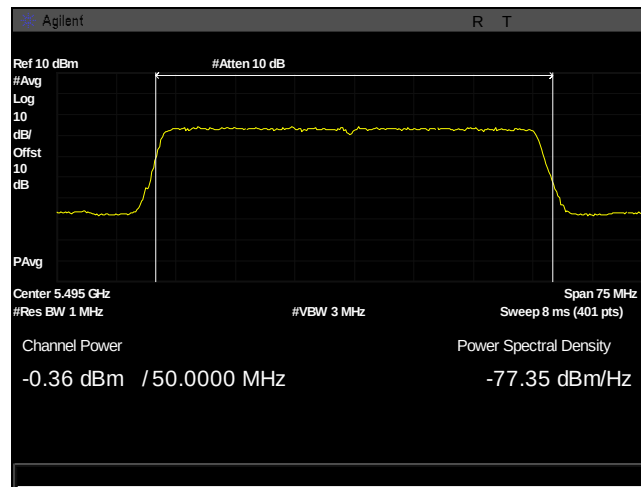
Plot 201. Conducted Transmitter Output Power, UNII 2C, BW 40M, Ch 5705M, 2x2 13dBi chain 0



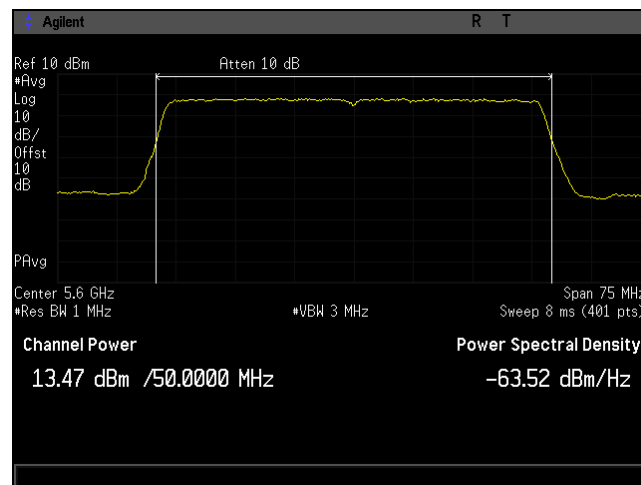
Plot 202. Conducted Transmitter Output Power, UNII 2C, BW 40M, Ch 5705M, 2x2 13dBi chain 1



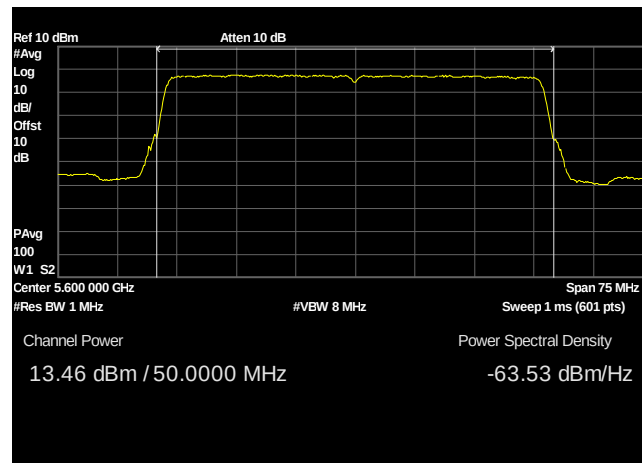
Plot 203. Conducted Transmitter Output Power, UNII 2C, BW 50M, Ch 5495M, 2x2 13dBi chain 0



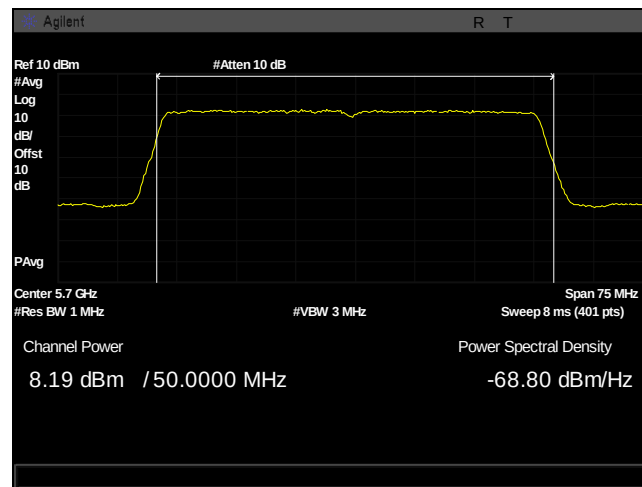
Plot 204. Conducted Transmitter Output Power, UNII 2C, BW 50M, Ch 5495M, 2x2 13dBi chain 1



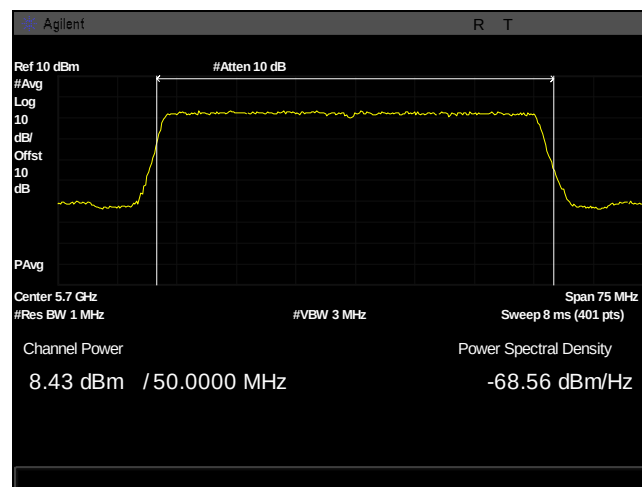
Plot 205. Conducted Transmitter Output Power, UNII 2C, BW 50M, Ch 5600M, 2x2 13dBi chain 0



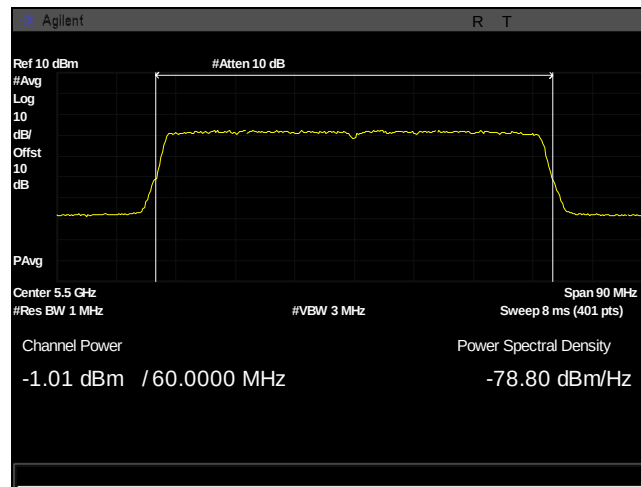
Plot 206. Conducted Transmitter Output Power, UNII 2C, BW 50M, Ch 5600M, 2x2 13dBi chain 1



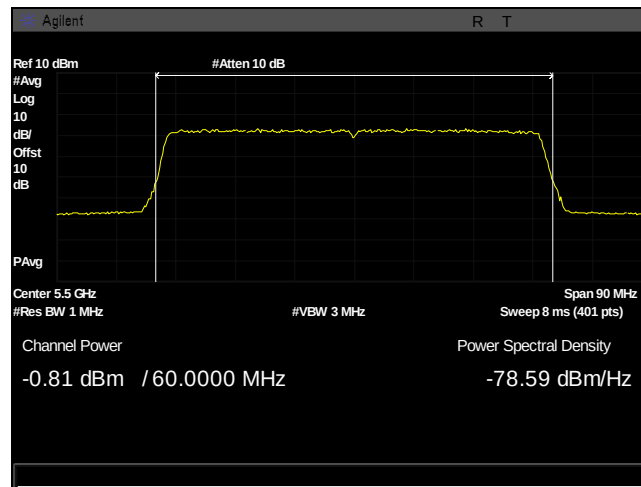
Plot 207. Conducted Transmitter Output Power, UNII 2C, BW 50M, Ch 5700M, 2x2 13dBi chain 0



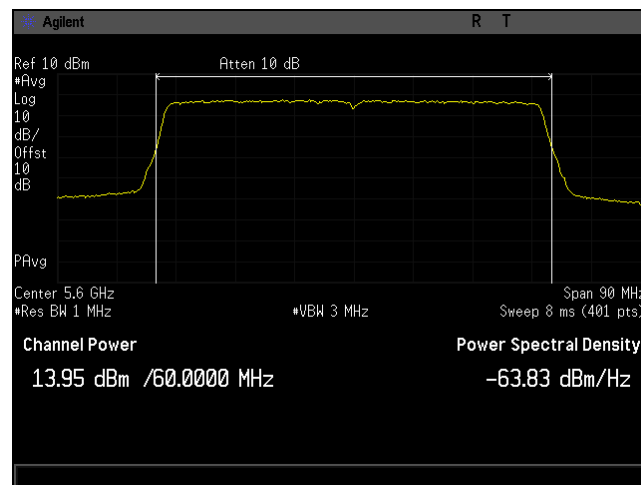
Plot 208. Conducted Transmitter Output Power, UNII 2C, BW 50M, Ch 5700M, 2x2 13dBi chain 1



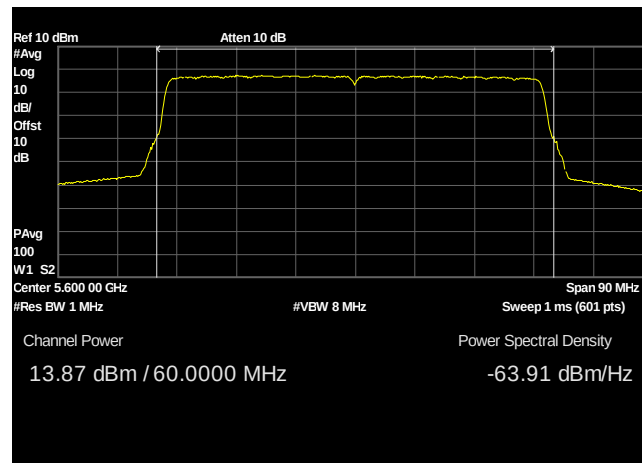
Plot 209. Conducted Transmitter Output Power, UNII 2C, BW 60M, Ch 5500M, 2x2 13dBi chain 0



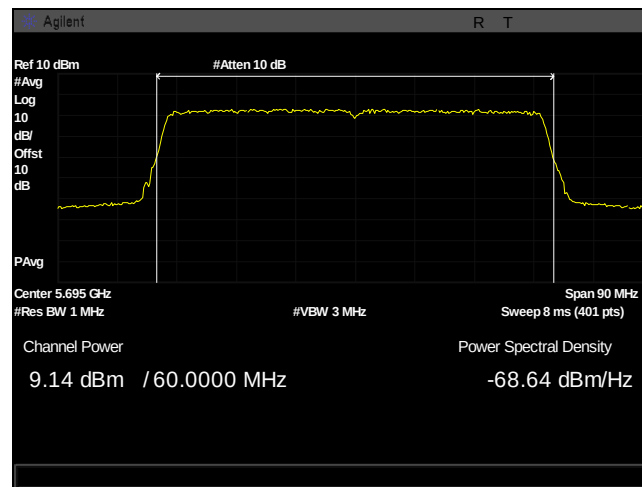
Plot 210. Conducted Transmitter Output Power, UNII 2C, BW 60M, Ch 5500M, 2x2 13dBi chain 1



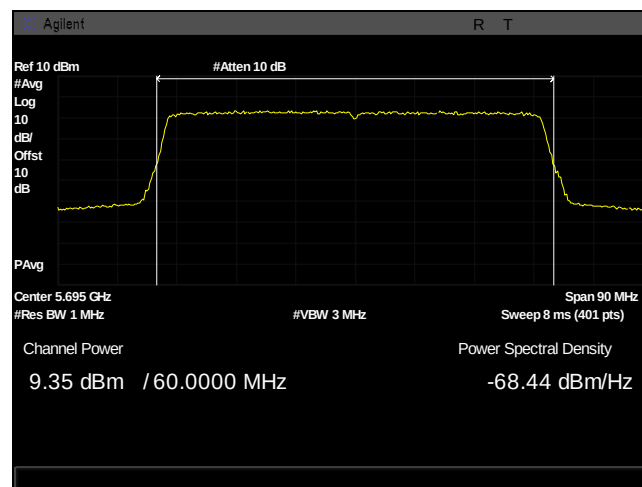
Plot 211. Conducted Transmitter Output Power, UNII 2C, BW 60M, Ch 5600M, 2x2 13dBi chain 0



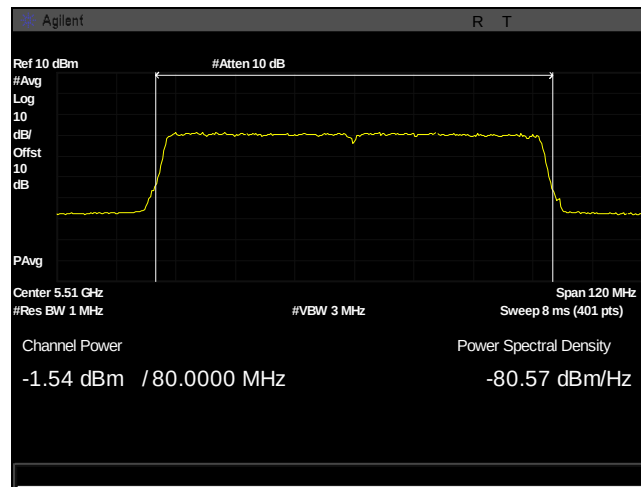
Plot 212. Conducted Transmitter Output Power, UNII 2C, BW 60M, Ch 5600M, 2x2 13dBi chain 1



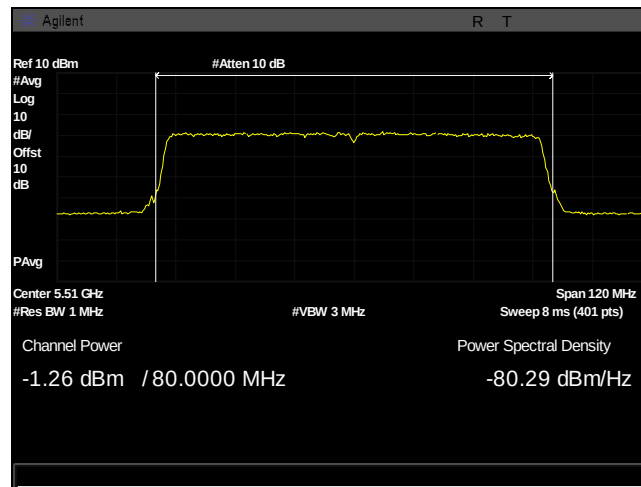
Plot 213. Conducted Transmitter Output Power, UNII 2C, BW 60M, Ch 5695M, 2x2 13dBi chain 0



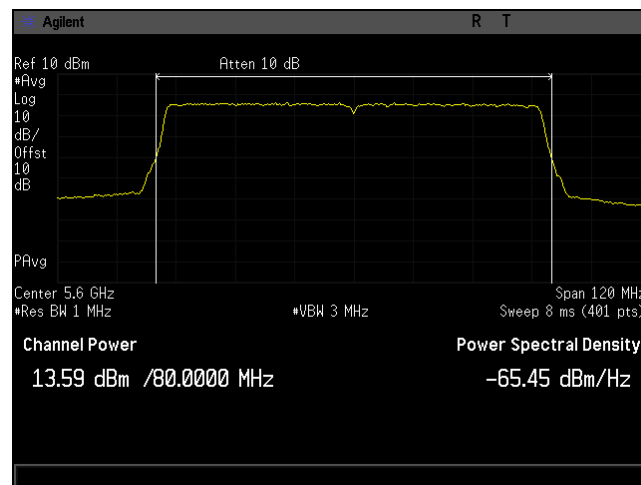
Plot 214. Conducted Transmitter Output Power, UNII 2C, BW 60M, Ch 5695M, 2x2 13dBi chain 1



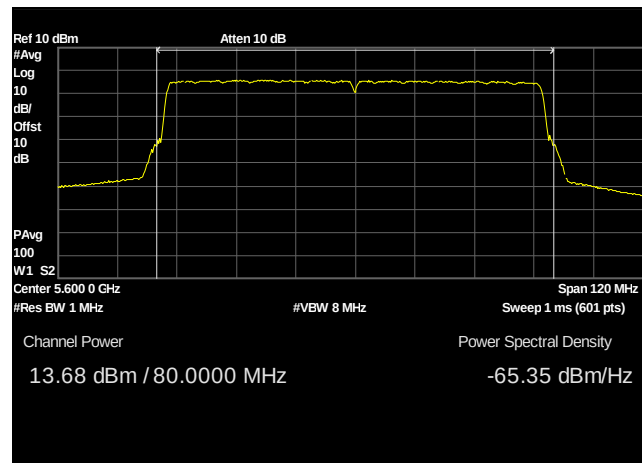
Plot 215. Conducted Transmitter Output Power, UNII 2C, BW 80M, Ch 5510M, 2x2 13dBi chain 0



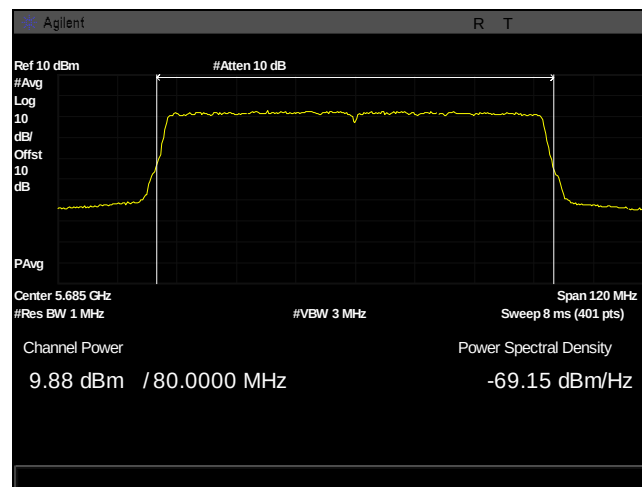
Plot 216. Conducted Transmitter Output Power, UNII 2C, BW 80M, Ch 5510M, 2x2 13dBi chain 1



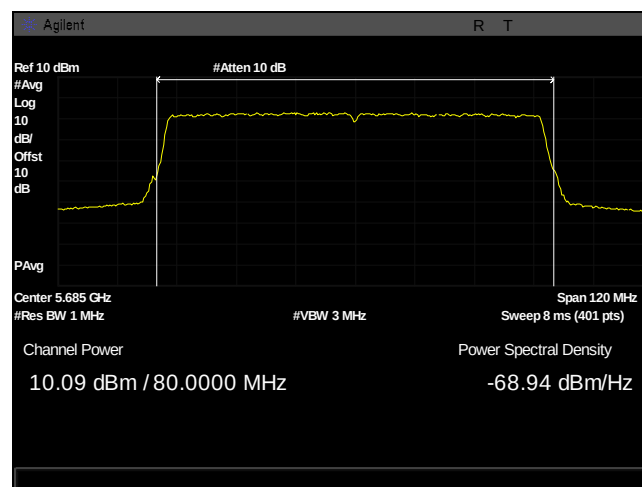
Plot 217. Conducted Transmitter Output Power, UNII 2C, BW 80M, Ch 5600M, 2x2 13dBi chain 0



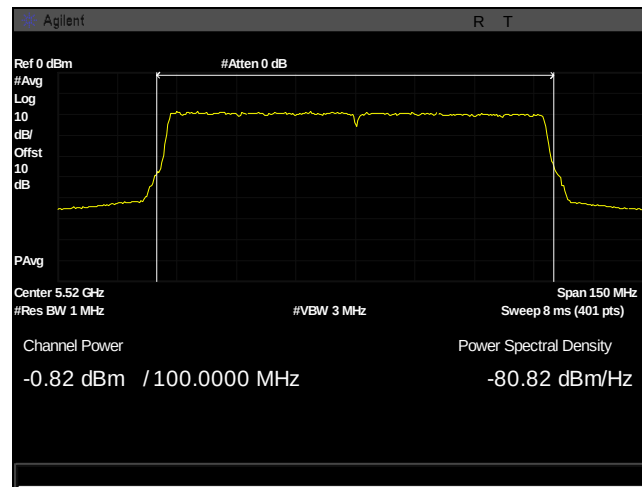
Plot 218. Conducted Transmitter Output Power, UNII 2C, BW 80M, Ch 5600M, 2x2 13dBi chain 1



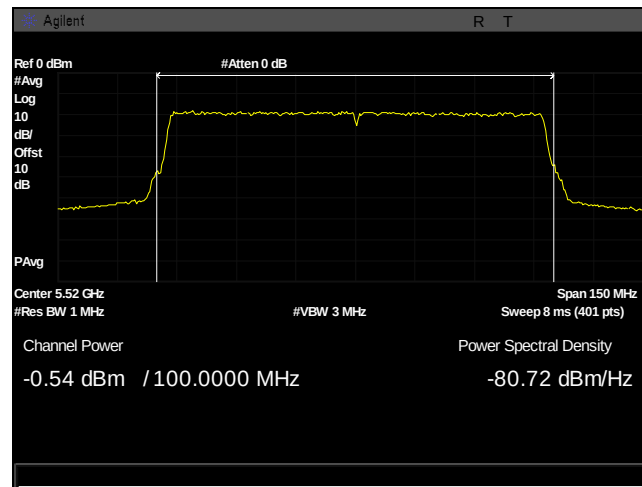
Plot 219. Conducted Transmitter Output Power, UNII 2C, BW 80M, Ch 5685M, 2x2 13dBi chain 0



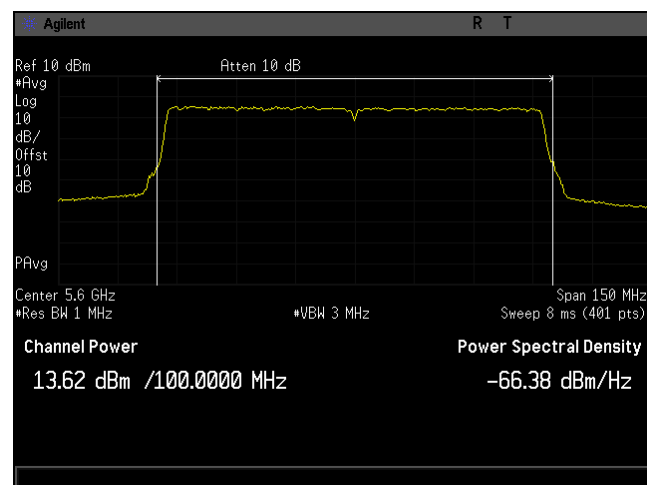
Plot 220. Conducted Transmitter Output Power, UNII 2C, BW 80M, Ch 5685M, 2x2 13dBi chain 1



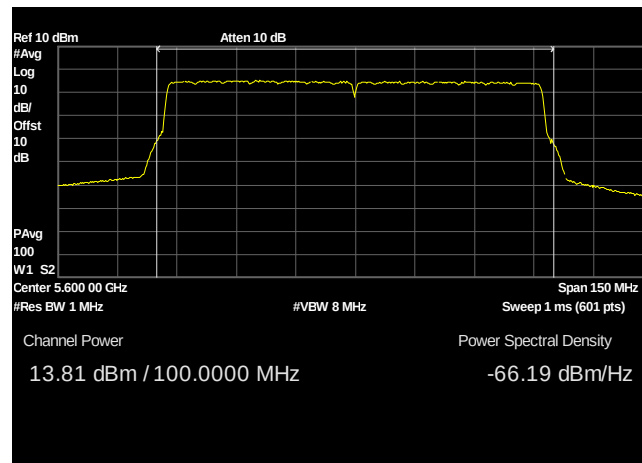
Plot 221. Conducted Transmitter Output Power, UNII 2C, BW 100M, Ch 5520M, 2x2 13dBi chain 0



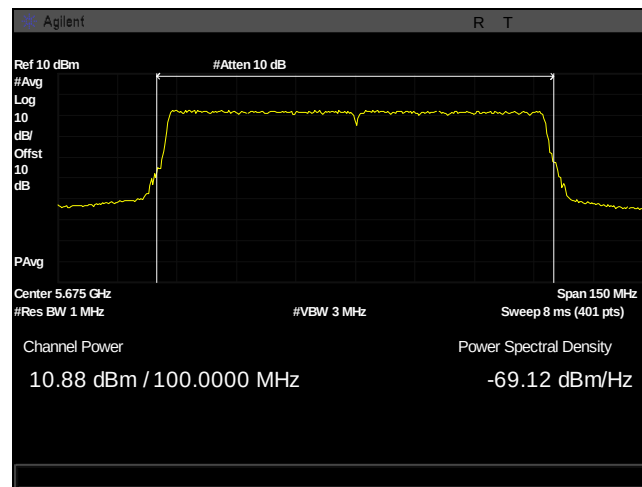
Plot 222. Conducted Transmitter Output Power, UNII 2C, BW 100M, Ch 5520M, 2x2 13dBi chain 1



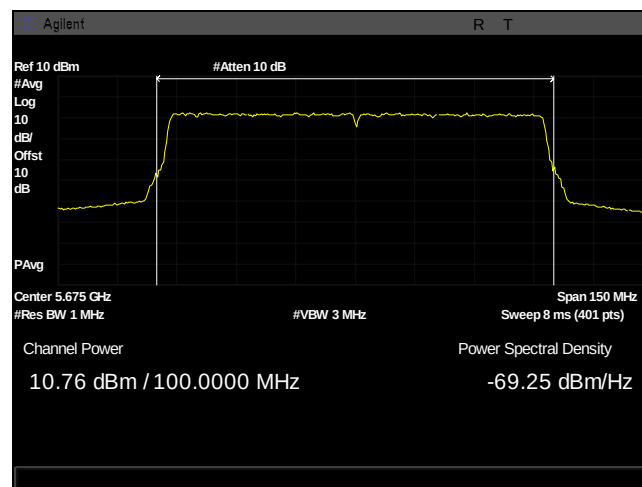
Plot 223. Conducted Transmitter Output Power, UNII 2C, BW 100M, Ch 5600M, 2x2 13dBi chain 0



Plot 224. Conducted Transmitter Output Power, UNII 2C, BW 100M, Ch 5600M, 2x2 13dBi chain 1



Plot 225. Conducted Transmitter Output Power, UNII 2C, BW 100M, Ch 5675M, 2x2 13dBi chain 0

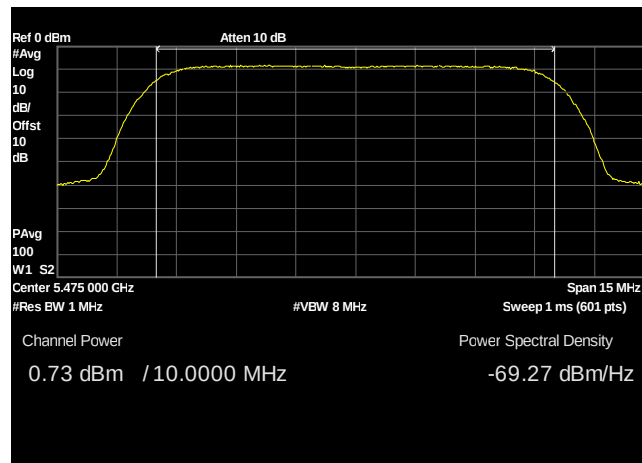


Plot 226. Conducted Transmitter Output Power, UNII 2C, BW 100M, Ch 5675M, 2x2 13dBi chain 1

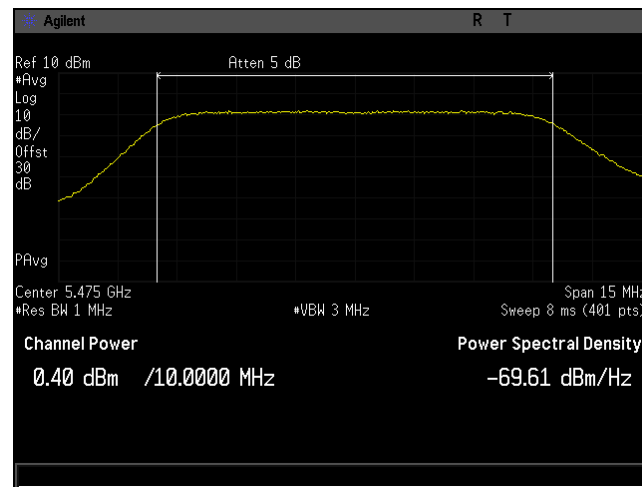
Conducted Transmitter Output Power, UNII 2C, 22 dBi

Channel BW (MHz)	Frequency (MHz)	Chain 0 (dBm)	Chain 1 (dBm)	Sum (dBm)	Limit (dBm)	Directional Gain (dBi)	Final Limit (dBm)	Margin (dB)
10	5475	0.73	0.4	3.579	21.161	22	5.161	-1.582
	5600	0.47	-0.08	3.215	21.149	22	5.149	-1.934
	5720	-3.41	-4.24	-0.794	21.146	22	5.146	-5.94
20	5480	3.9	2.85	6.417	24	22	8	-1.583
	5600	3.62	3.12	6.388	24	22	8	-1.612
	5715	-2.37	-3.25	0.223	24	22	8	-7.777
30	5485	3.49	2.85	6.193	24	22	8	-1.807
	5600	4.81	4.88	7.856	24	22	8	-0.144
	5710	-1.41	-2.33	1.165	24	22	8	-6.835
40	5490	4.13	3.69	6.926	24	22	8	-1.074
	5600	4.9	4.76	7.841	24	22	8	-0.159
	5705	-1.37	-2.46	1.13	24	22	8	-6.87
50	5495	3.73	3.35	6.555	24	22	8	-1.445
	5600	4.83	4.96	7.906	24	22	8	-0.094
	5700	-1.12	-2.08	1.437	24	22	8	-6.563
60	5500	2.94	2.22	5.606	24	22	8	-2.394
	5600	4.85	4.82	7.846	24	22	8	-0.154
	5695	-0.75	-1.79	1.772	24	22	8	-6.228
80	5510	0.39	-0.05	3.186	24	22	8	-4.814
	5600	4.89	4.93	7.921	24	22	8	-0.079
	5685	0.43	-0.74	2.895	24	22	8	-5.105
100	5520	1.85	1.11	4.507	24	22	8	-3.493
	5600	5.01	4.83	7.932	24	22	8	-0.068
	5675	1.36	0.37	3.904	24	22	8	-4.096

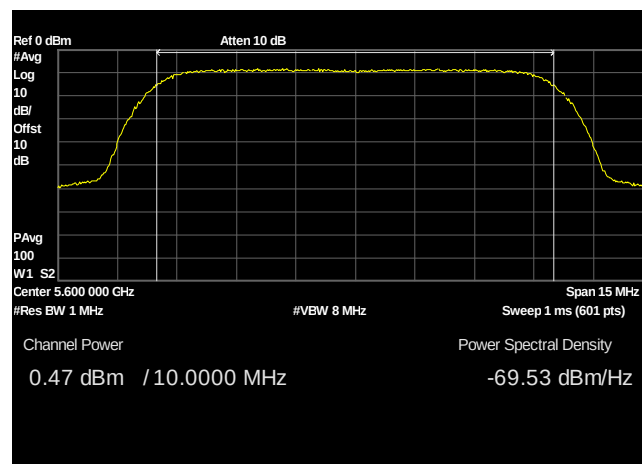
Table 13. Conducted Transmitter Output Power, UNII 2C, 22 dBi, 2x2, Test Results



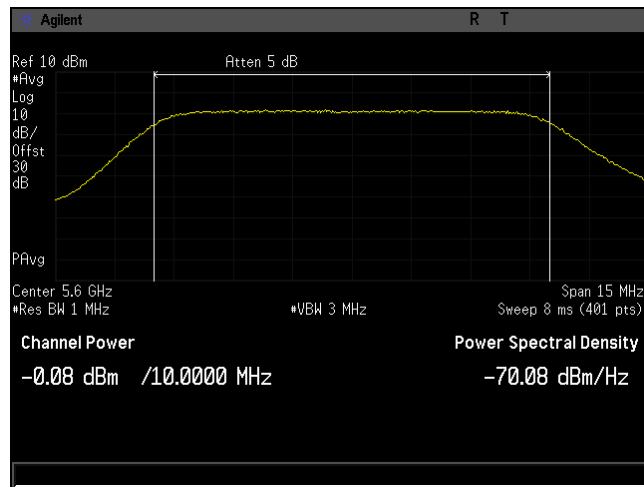
Plot 227. Conducted Transmitter Output Power, UNII 2C, BW 10M, Ch 5475M, 2x2 22dBi chain 0



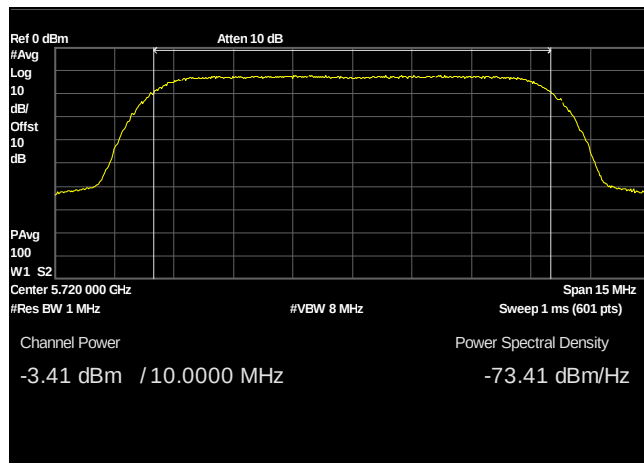
Plot 228. Conducted Transmitter Output Power, UNII 2C, BW 10M, Ch 5475M, 2x2 22dBi chain 1



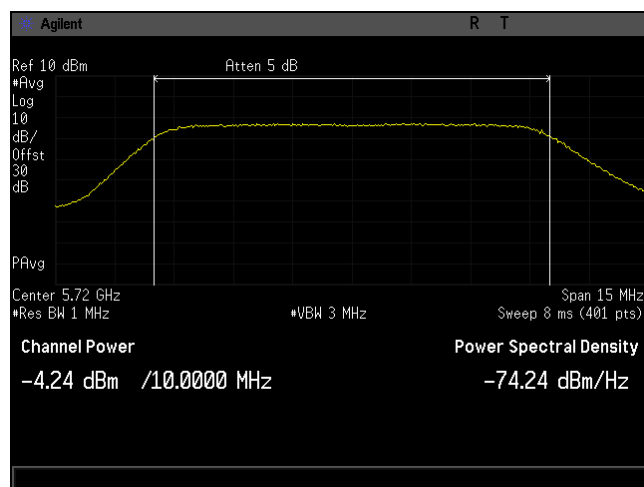
Plot 229. Conducted Transmitter Output Power, UNII 2C, BW 10M, Ch 5600M, 2x2 22dBi chain 0



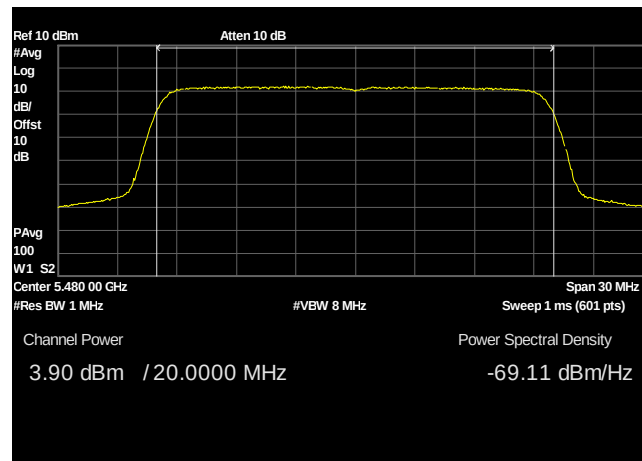
Plot 230. Conducted Transmitter Output Power, UNII 2C, BW 10M, Ch 5600M, 2x2 22dBi chain 1



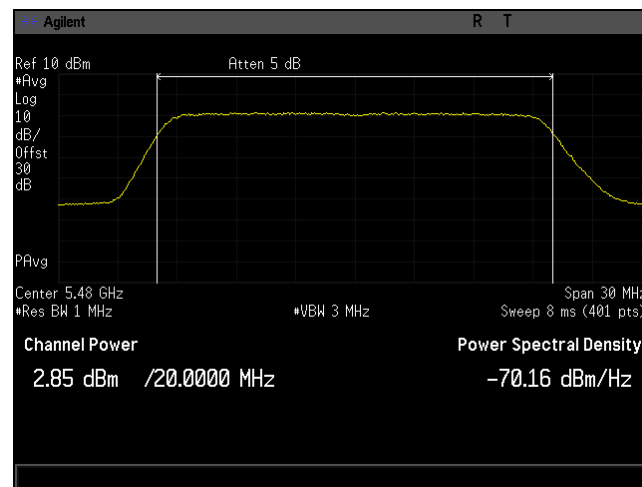
Plot 231. Conducted Transmitter Output Power, UNII 2C, BW 10M, Ch 5720M, 2x2 22dBi chain 0



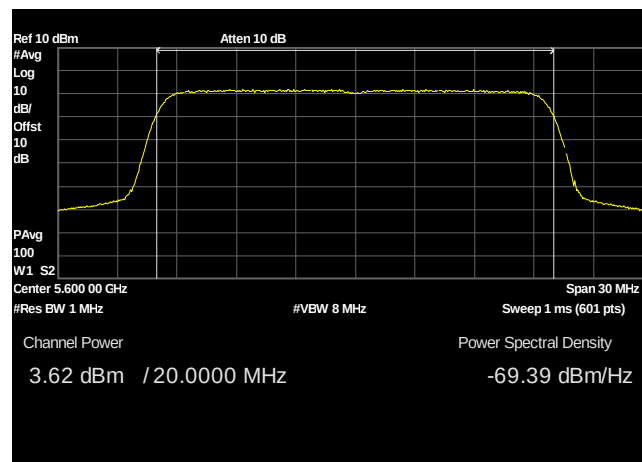
Plot 232. Conducted Transmitter Output Power, UNII 2C, BW 10M, Ch 5720M, 2x2 22dBi chain 1



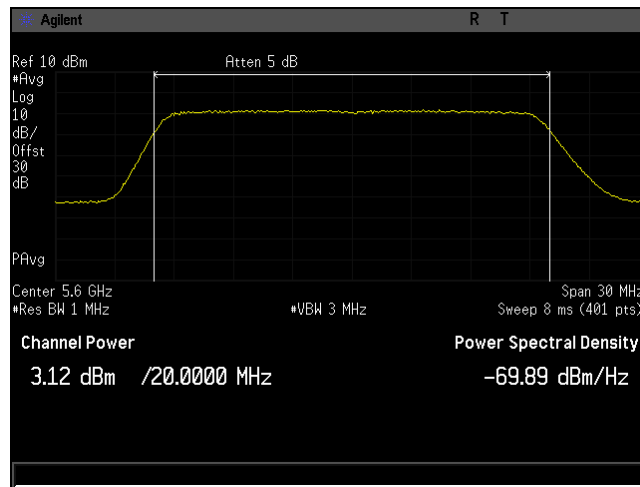
Plot 233. Conducted Transmitter Output Power, UNII 2C, BW 20M, Ch 5480M, 2x2 22dBi chain 0



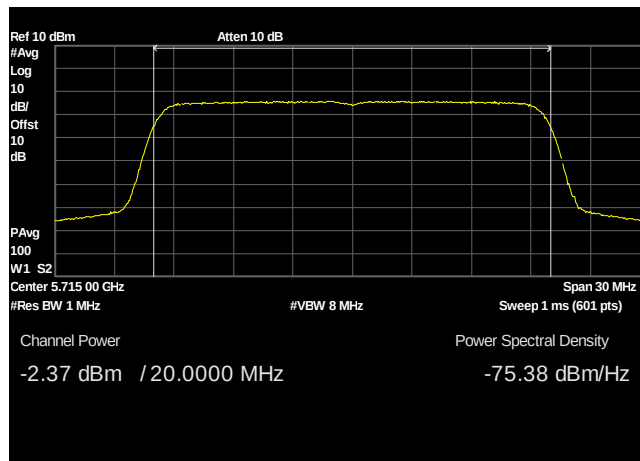
Plot 234. Conducted Transmitter Output Power, UNII 2C, BW 20M, Ch 5480M, 2x2 22dBi chain 1



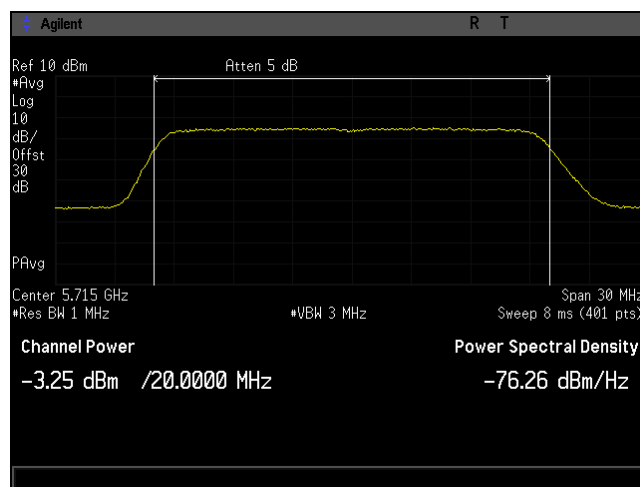
Plot 235. Conducted Transmitter Output Power, UNII 2C, BW 20M, Ch 5600M, 2x2 22dBi chain 0



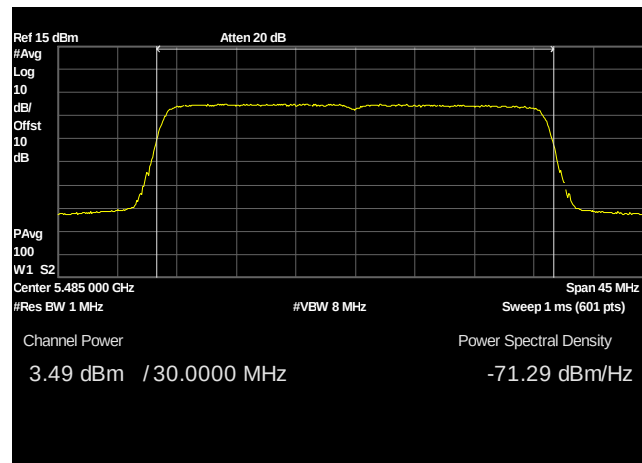
Plot 236. Conducted Transmitter Output Power, UNII 2C, BW 20M, Ch 5600M, 2x2 22dBi chain 1



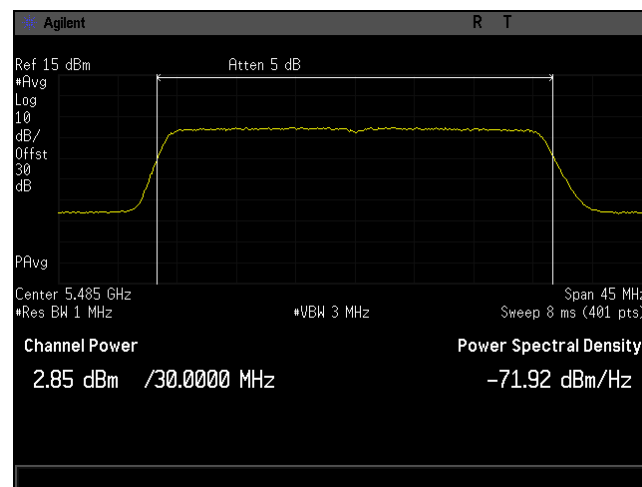
Plot 237. Conducted Transmitter Output Power, UNII 2C, BW 20M, Ch 5715M, 2x2 22dBi chain 0



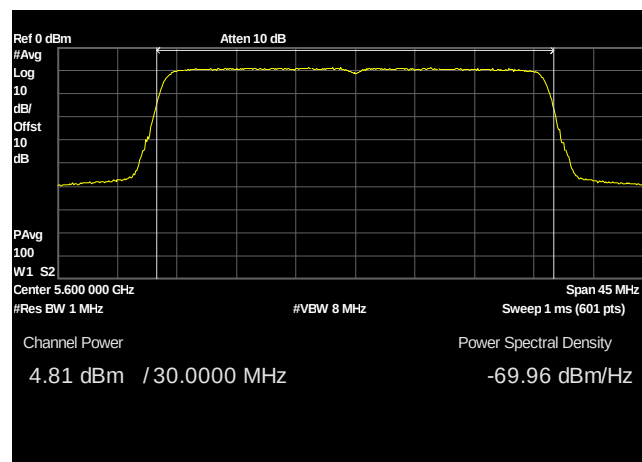
Plot 238. Conducted Transmitter Output Power, UNII 2C, BW 20M, Ch 5715M, 2x2 22dBi chain 1



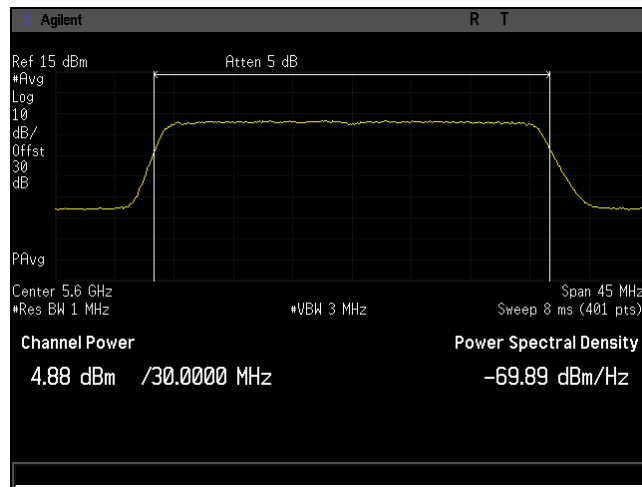
Plot 239. Conducted Transmitter Output Power, UNII 2C, BW 30M, Ch 5485M, 2x2 22dBi chain 0



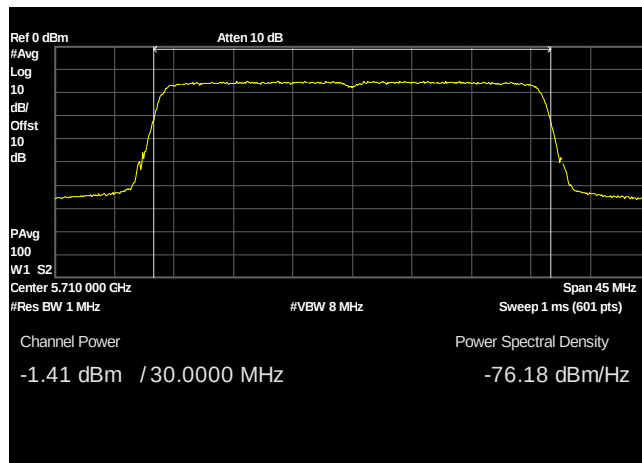
Plot 240. Conducted Transmitter Output Power, UNII 2C, BW 30M, Ch 5485M, 2x2 22dBi chain 1



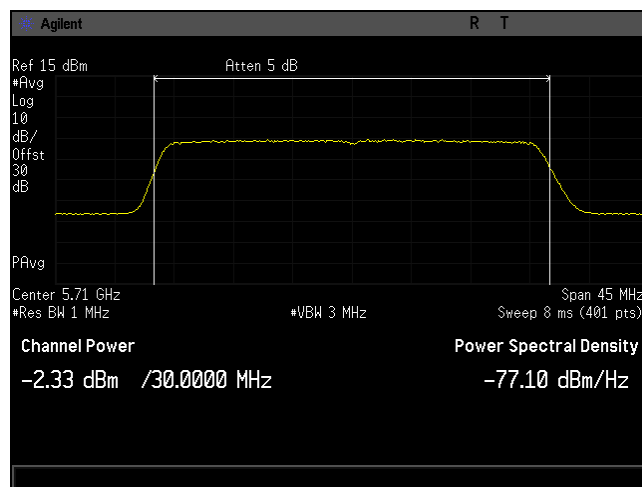
Plot 241. Conducted Transmitter Output Power, UNII 2C, BW 30M, Ch 5600M, 2x2 22dBi chain 0



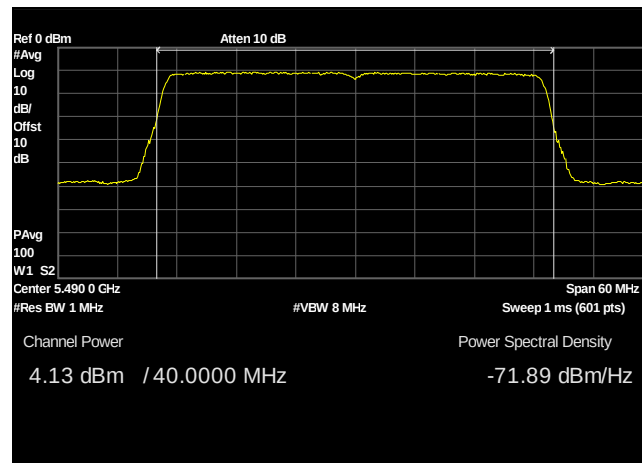
Plot 242. Conducted Transmitter Output Power, UNII 2C, BW 30M, Ch 5600M, 2x2 22dBi chain 1



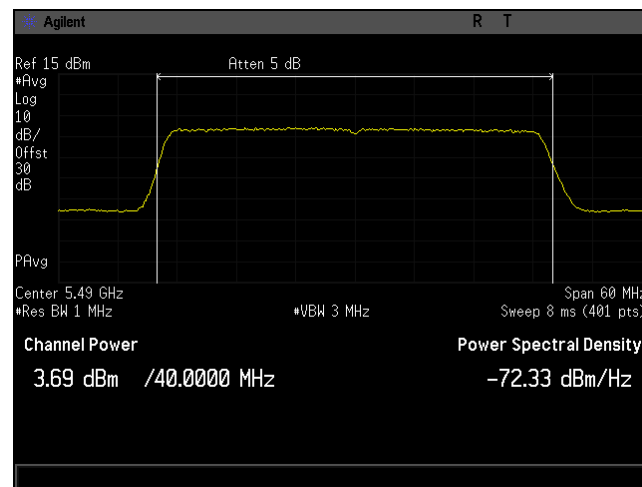
Plot 243. Conducted Transmitter Output Power, UNII 2C, BW 30M, Ch 5710M, 2x2 22dBi chain 0



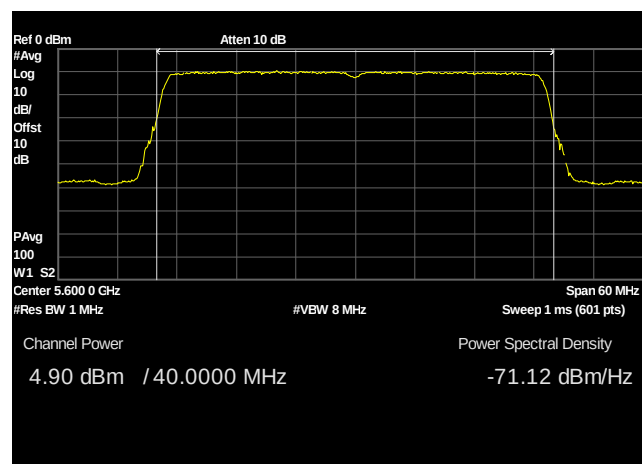
Plot 244. Conducted Transmitter Output Power, UNII 2C, BW 30M, Ch 5710M, 2x2 22dBi chain 1



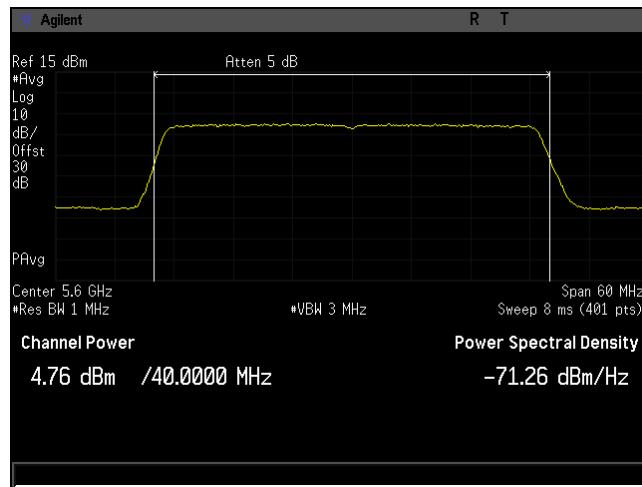
Plot 245. Conducted Transmitter Output Power, UNII 2C, BW 40M, Ch 5490M, 2x2 22dBi chain 0



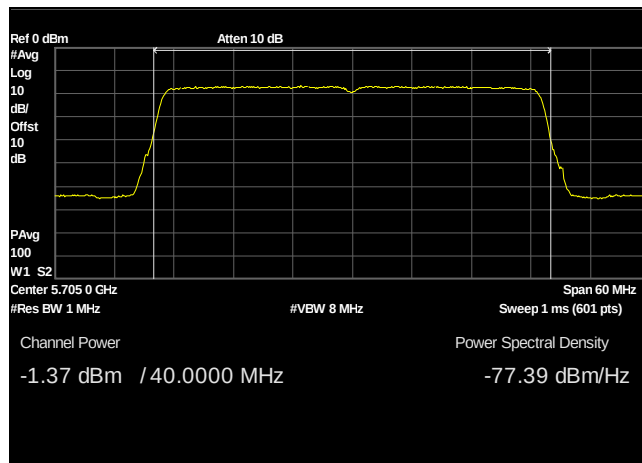
Plot 246. Conducted Transmitter Output Power, UNII 2C, BW 40M, Ch 5490M, 2x2 22dBi chain 1



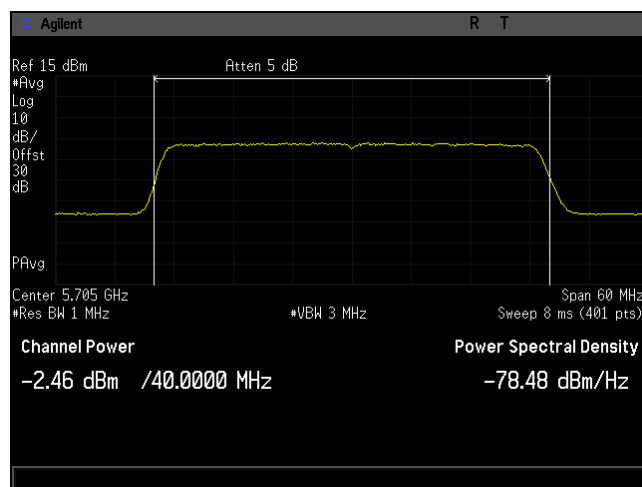
Plot 247. Conducted Transmitter Output Power, UNII 2C, BW 40M, Ch 5600M, 2x2 22dBi chain 0



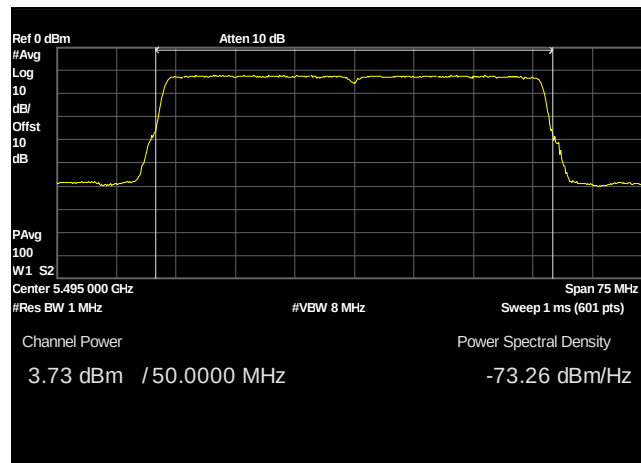
Plot 248. Conducted Transmitter Output Power, UNII 2C, BW 40M, Ch 5600M, 2x2 22dBi chain 1



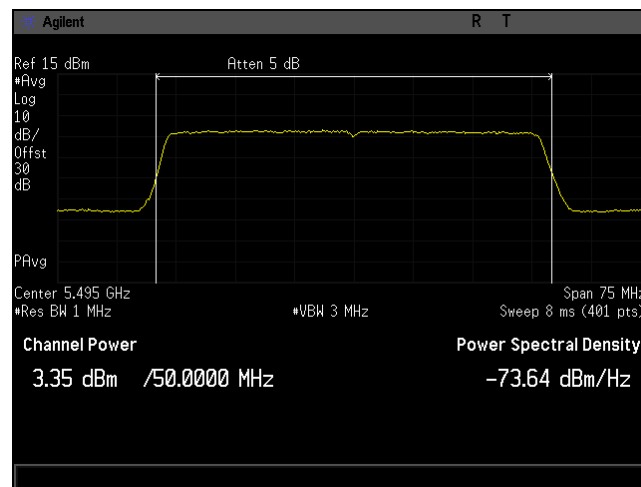
Plot 249. Conducted Transmitter Output Power, UNII 2C, BW 40M, Ch 5705M, 2x2 22dBi chain 0



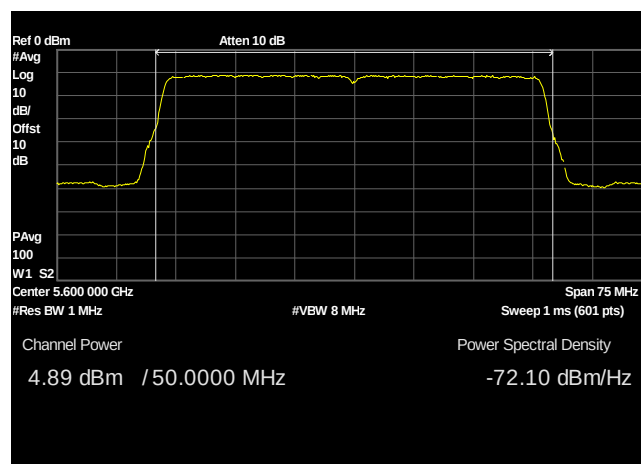
Plot 250. Conducted Transmitter Output Power, UNII 2C, BW 40M, Ch 5705M, 2x2 22dBi chain 1



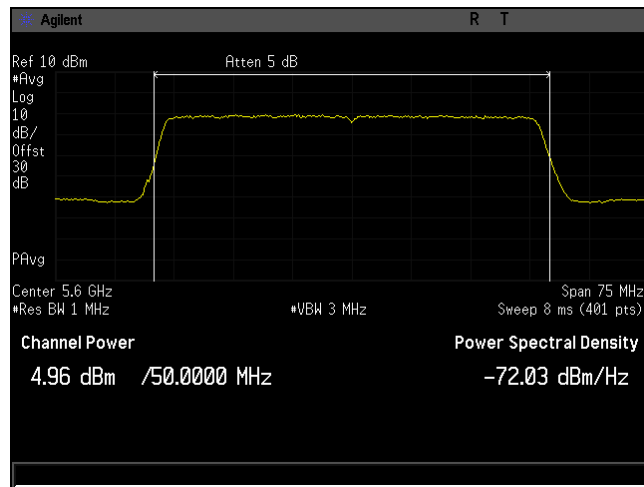
Plot 251. Conducted Transmitter Output Power, UNII 2C, BW 50M, Ch 5495M, 2x2 22dBi chain 0



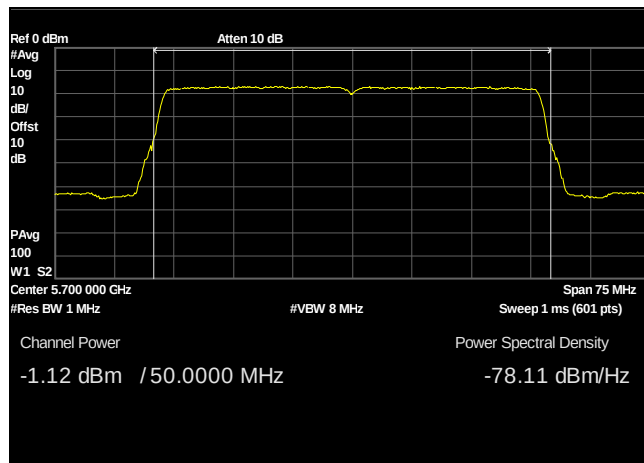
Plot 252. Conducted Transmitter Output Power, UNII 2C, BW 50M, Ch 5495M, 2x2 22dBi chain 1



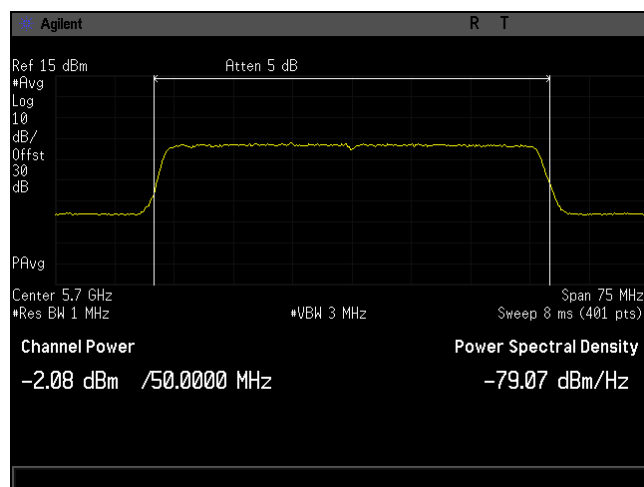
Plot 253. Conducted Transmitter Output Power, UNII 2C, BW 50M, Ch 5600M, 2x2 22dBi chain 0



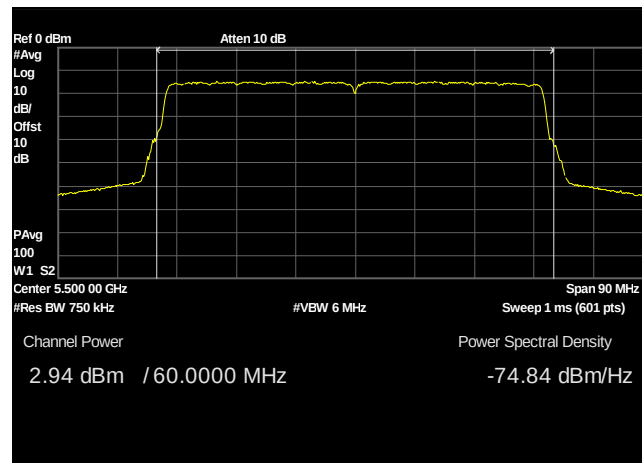
Plot 254. Conducted Transmitter Output Power, UNII 2C, BW 50M, Ch 5600M, 2x2 22dBi chain 1



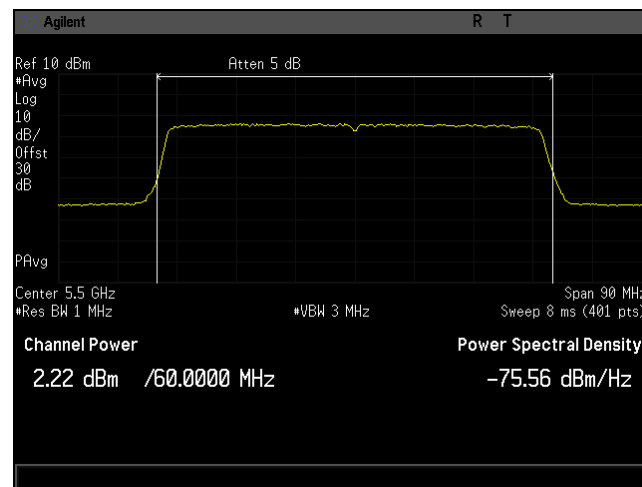
Plot 255. Conducted Transmitter Output Power, UNII 2C, BW 50M, Ch 5700M, 2x2 22dBi chain 0



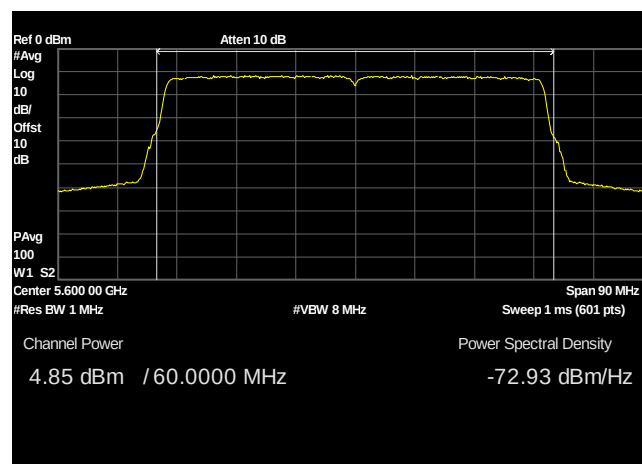
Plot 256. Conducted Transmitter Output Power, UNII 2C, BW 50M, Ch 5700M, 2x2 22dBi chain 1



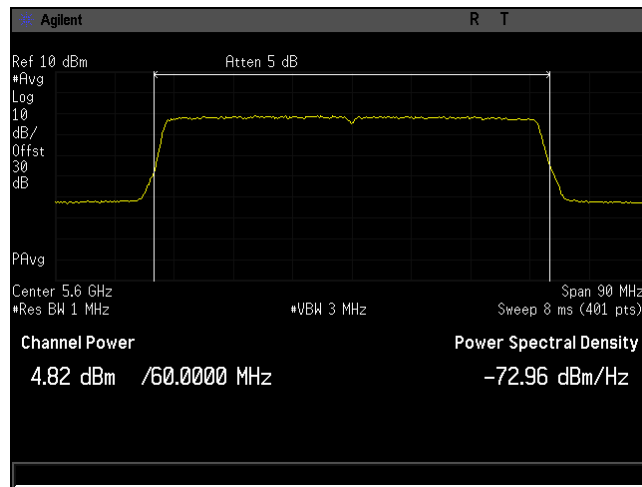
Plot 257. Conducted Transmitter Output Power, UNII 2C, BW 60M, Ch 5500M, 2x2 22dBi chain 0



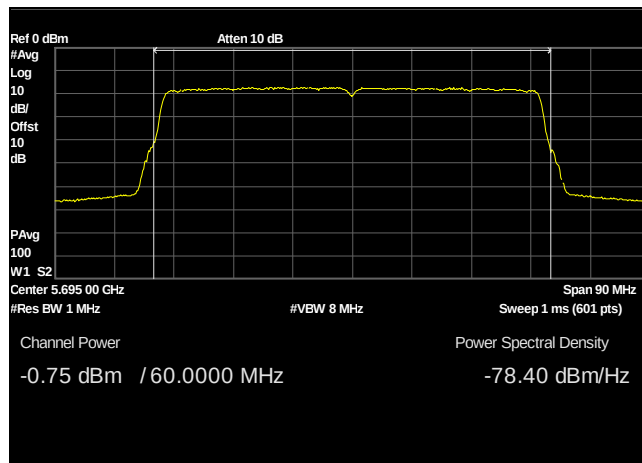
Plot 258. Conducted Transmitter Output Power, UNII 2C, BW 60M, Ch 5500M, 2x2 22dBi chain 1



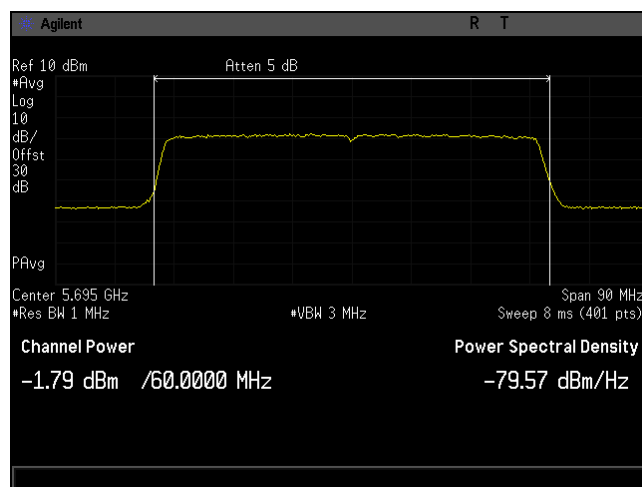
Plot 259.. Conducted Transmitter Output Power, UNII 2C, BW 60M, Ch 5600M, 2x2 22dBi chain 0



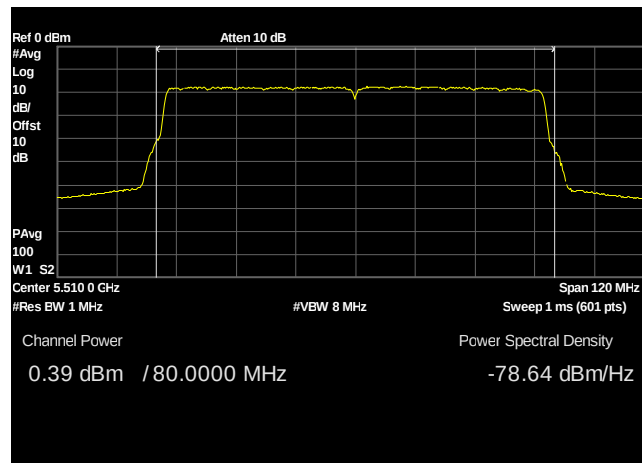
Plot 260. Conducted Transmitter Output Power, UNII 2C, BW 60M, Ch 5600M, 2x2 22dBi chain 1



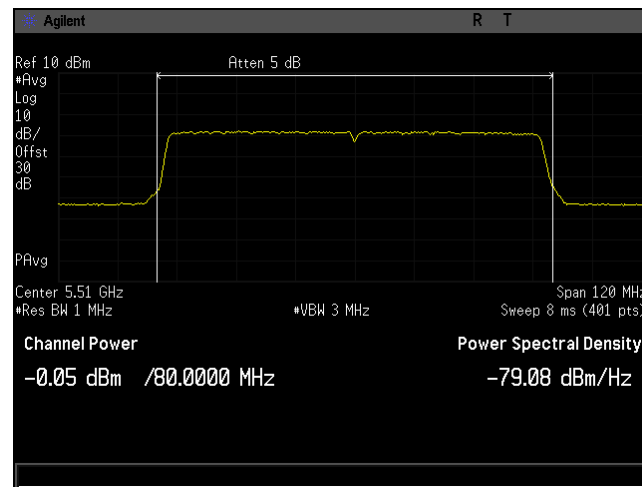
Plot 261. Conducted Transmitter Output Power, UNII 2C, BW 60M, Ch 5695M, 2x2 22dBi chain 0



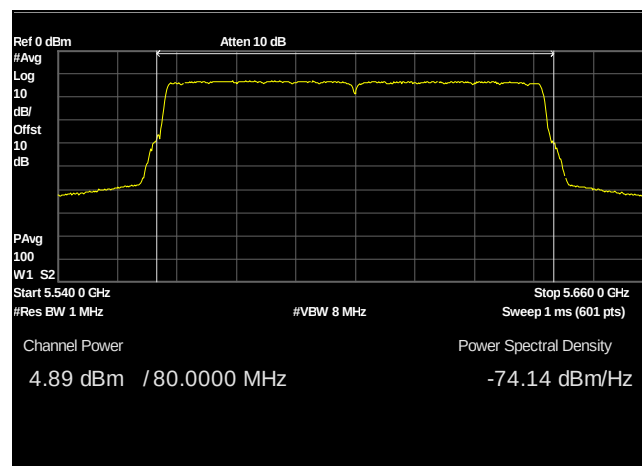
Plot 262. Conducted Transmitter Output Power, UNII 2C, BW 60M, Ch 5695M, 2x2 22dBi chain 1



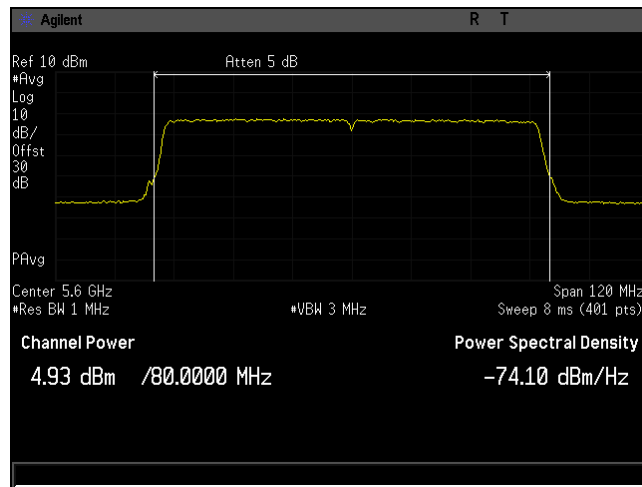
Plot 263. Conducted Transmitter Output Power, UNII 2C, BW 80M, Ch 5510M, 2x2 22dBi chain 0



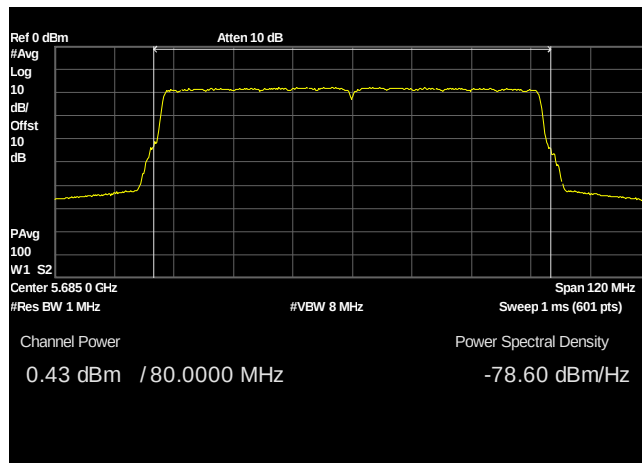
Plot 264. Conducted Transmitter Output Power, UNII 2C, BW 80M, Ch 5510M, 2x2 22dBi chain 1



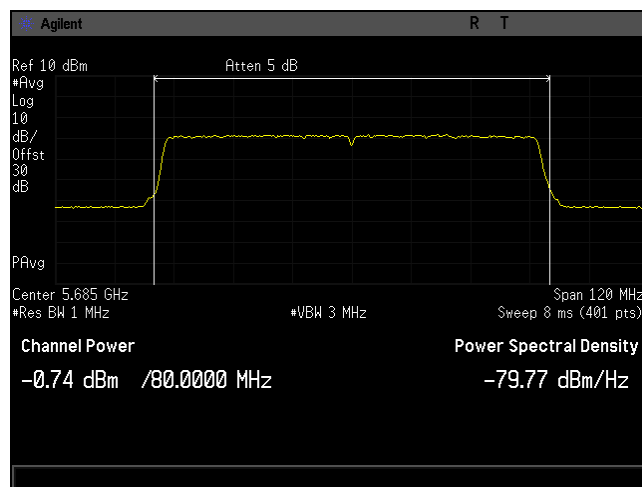
Plot 265. Conducted Transmitter Output Power, UNII 2C, BW 80M, Ch 5600M, 2x2 22dBi chain 0



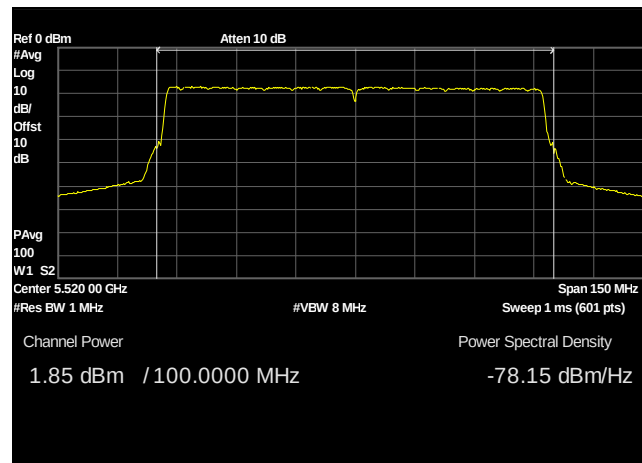
Plot 266. Conducted Transmitter Output Power, UNII 2C, BW 80M, Ch 5600M, 2x2 22dBi chain 1



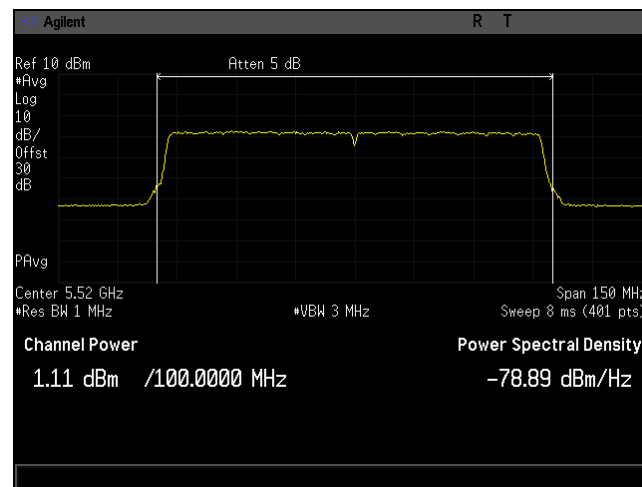
Plot 267. Conducted Transmitter Output Power, UNII 2C, BW 80M, Ch 5685M, 2x2 22dBi chain 0



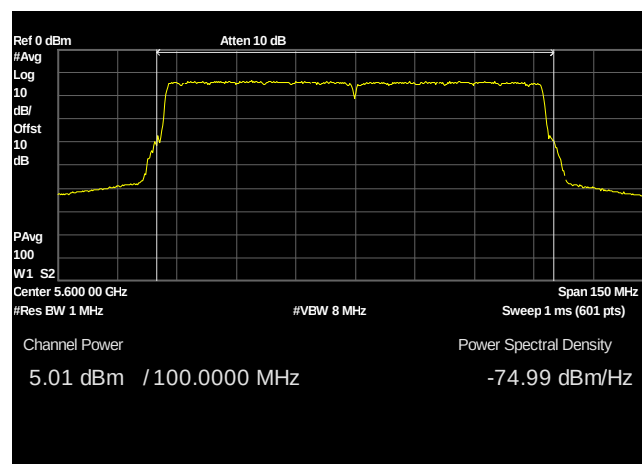
Plot 268. Conducted Transmitter Output Power, UNII 2C, BW 80M, Ch 5685M, 2x2 22dBi chain 1



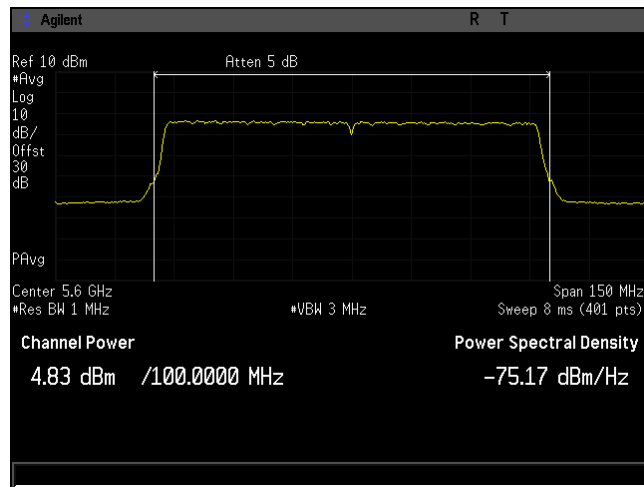
Plot 269. Conducted Transmitter Output Power, UNII 2C, BW 100M, Ch 5520M, 2x2 22dBi chain 0



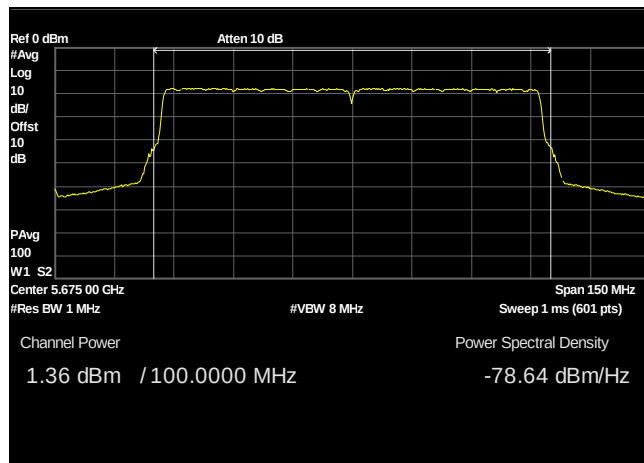
Plot 270. Conducted Transmitter Output Power, UNII 2C, BW 100M, Ch 5520M, 2x2 22dBi chain 1



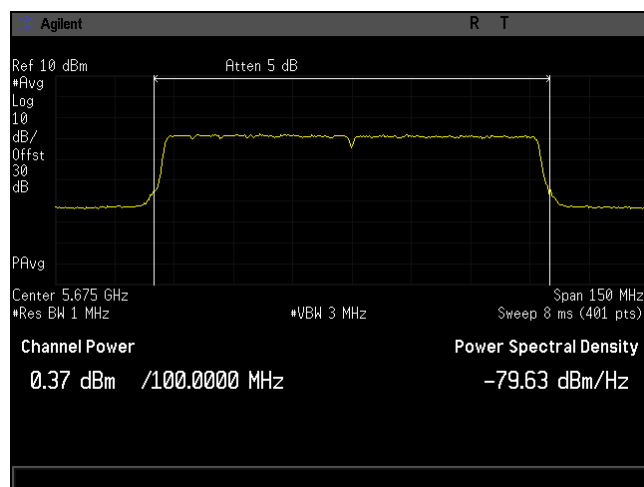
Plot 271. Conducted Transmitter Output Power, UNII 2C, BW 100M, Ch 5600M, 2x2 22dBi chain 0



Plot 272. Conducted Transmitter Output Power, UNII 2C, BW 100M, Ch 5600M, 2x2 22dBi chain 1



Plot 273. Conducted Transmitter Output Power, UNII 2C, BW 100M, Ch 5675M, 2x2 22dBi chain 0

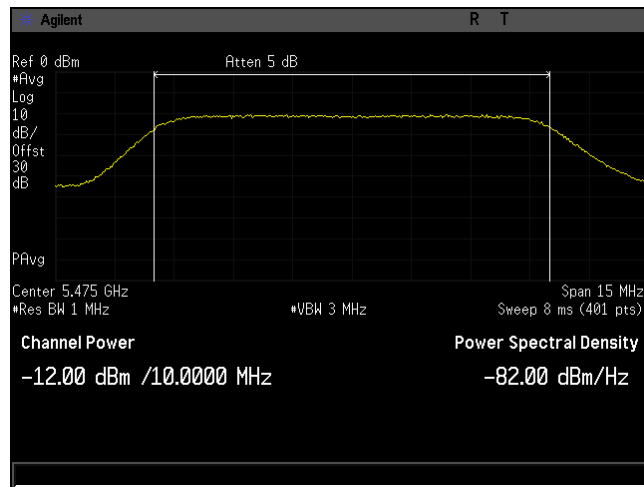


Plot 274. Conducted Transmitter Output Power, UNII 2C, BW 100M, Ch 5675M, 2x2 22dBi chain 1

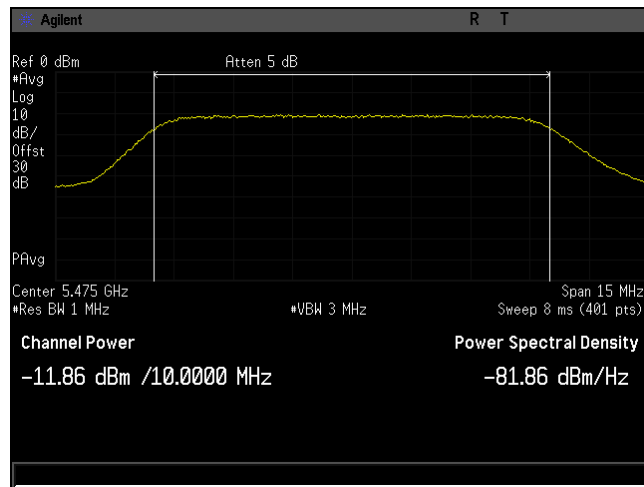
Conducted Transmitter Output Power, UNII 2C, 34 dBi

Channel BW (MHz)	Frequency (MHz)	Chain 0 (dBm)	Chain 1 (dBm)	Sum (dBm)	Limit (dBm)	Directional Gain (dBi)	Final Limit (dBm)	Margin (dB)
10	5475	-11.86	-12	-8.919	21.161	34	-6.839	-2.08
	5600	-11.21	-11.52	-8.351	21.149	34	-6.851	-1.5
	5720	-11.86	-11.85	-8.844	21.146	34	-6.854	-1.99
20	5480	-12.05	-12.77	-9.384	24	34	-4	-5.384
	5600	-7.95	-8.49	-5.201	24	34	-4	-1.201
	5715	-8.32	-8.69	-5.49	24	34	-4	-1.49
30	5485	-12.01	-12.39	-9.185	24	34	-4	-5.185
	5600	-7.18	-7.11	-4.134	24	34	-4	-0.134
	5710	-7.12	-7.19	-4.144	24	34	-4	-0.144
40	5490	-12.52	-12.99	-9.738	24	34	-4	-5.738
	5600	-7.29	-7.16	-4.214	24	34	-4	-0.214
	5705	-7.21	-7.47	-4.327	24	34	-4	-0.327
50	5495	-12.66	-13.28	-9.948	24	34	-4	-5.948
	5600	-7.24	-7.07	-4.143	24	34	-4	-0.143
	5700	-7.05	-7.25	-4.138	24	34	-4	-0.138
60	5500	-12.74	-13.36	-10.03	24	34	-4	-6.028
	5600	-7.09	-7.08	-4.074	24	34	-4	-0.074
	5695	-7.17	-7.09	-4.119	24	34	-4	-0.119
80	5510	-12.5	-12.74	-9.608	24	34	-4	-5.608
	5600	-7.16	-7.07	-4.104	24	34	-4	-0.104
	5685	-7.15	-7.11	-4.119	24	34	-4	-0.119
100	5520	-14.53	-15.08	-11.79	24	34	-4	-7.785
	5600	-7.13	-7.04	-4.074	24	34	-4	-0.074
	5675	-7.16	-7.09	-4.114	24	34	-4	-0.114

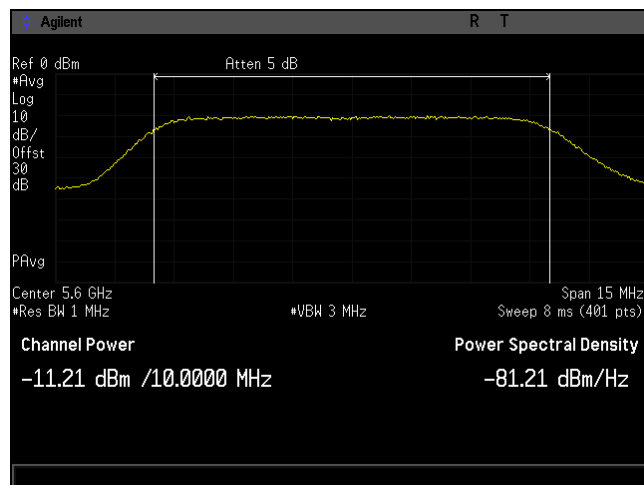
Table 14. Conducted Transmitter Output Power, UNII 2C, 34 dBi, 2x2, Test Results



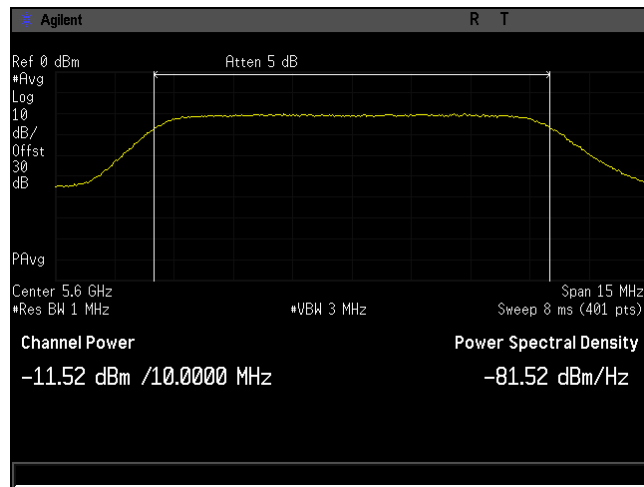
Plot 275. Conducted Transmitter Output Power, UNII 2C, BW 10M, Ch 5475M, 2x2 34dBi chain 0



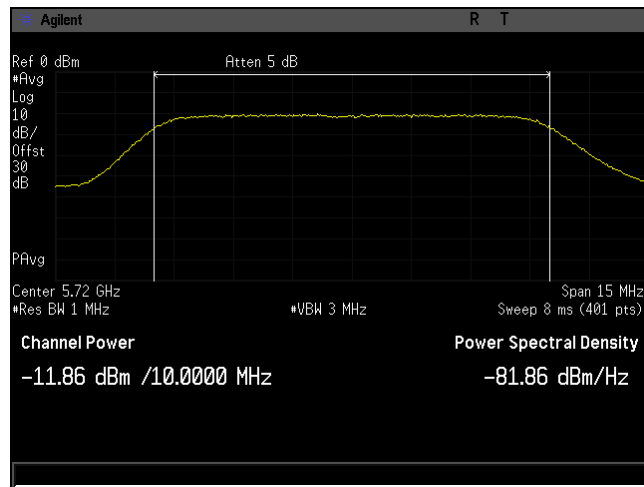
Plot 276. Conducted Transmitter Output Power, UNII 2C, BW 10M, Ch 5475M, 2x2 34dBi chain 1



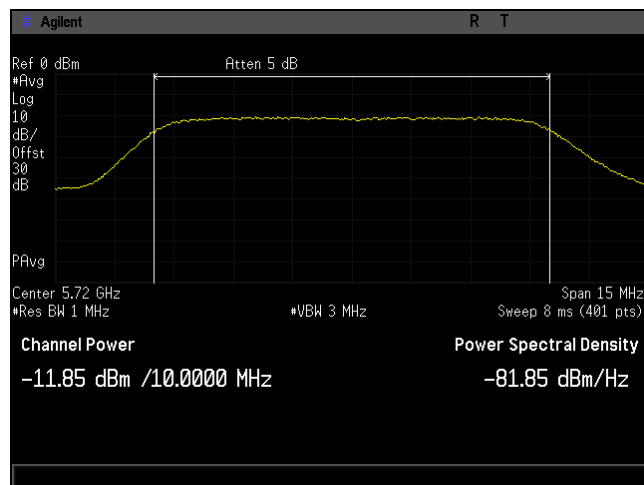
Plot 277. Conducted Transmitter Output Power, UNII 2C, BW 10M, Ch 5600M, 2x2 34dBi chain 0



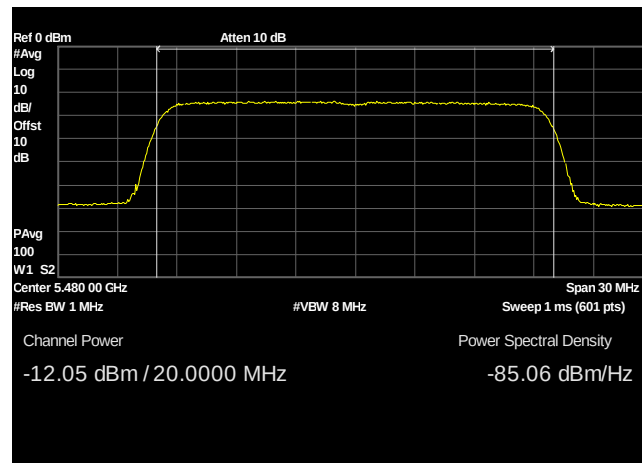
Plot 278. Conducted Transmitter Output Power, UNII 2C, BW 10M, Ch 5600M, 2x2 34dBi chain 1



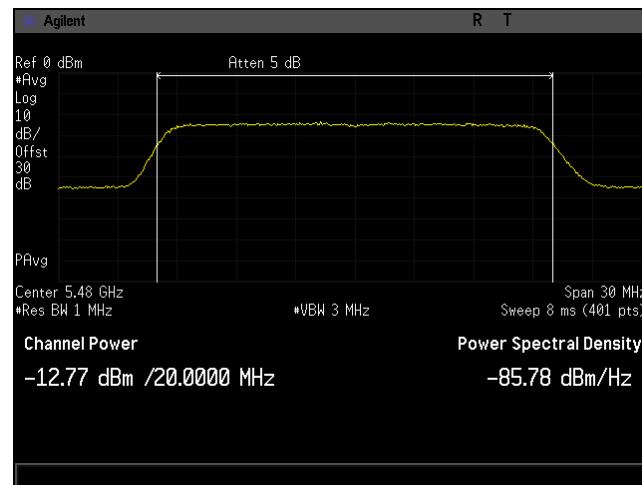
Plot 279. Conducted Transmitter Output Power, UNII 2C, BW 10M, Ch 5720M, 2x2 34dBi chain 0



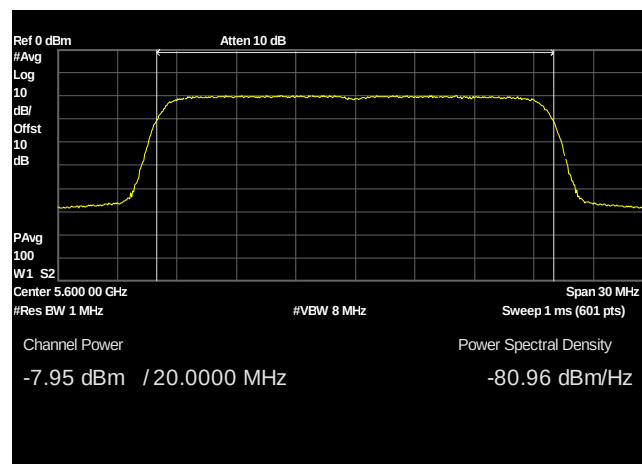
Plot 280. Conducted Transmitter Output Power, UNII 2C, BW 10M, Ch 5720M, 2x2 34dBi chain 1



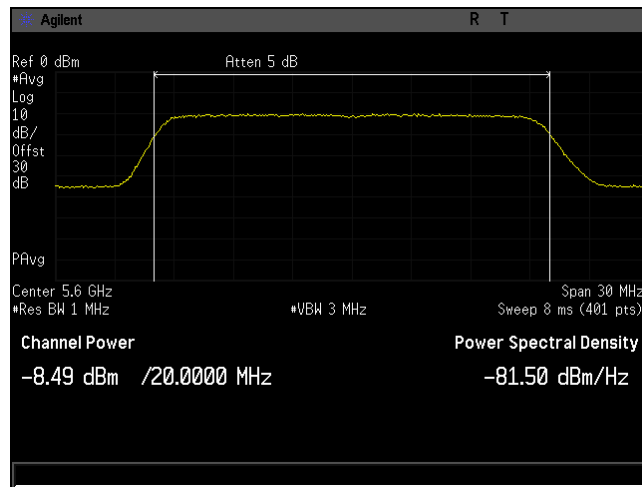
Plot 281. Conducted Transmitter Output Power, UNII 2C, BW 20M, Ch 5480M, 2x2 34dBi chain 0



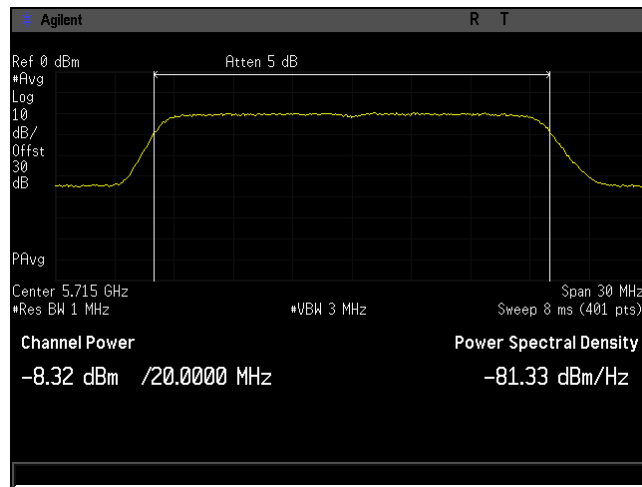
Plot 282. Conducted Transmitter Output Power, UNII 2C, BW 20M, Ch 5480M, 2x2 34dBi chain 1



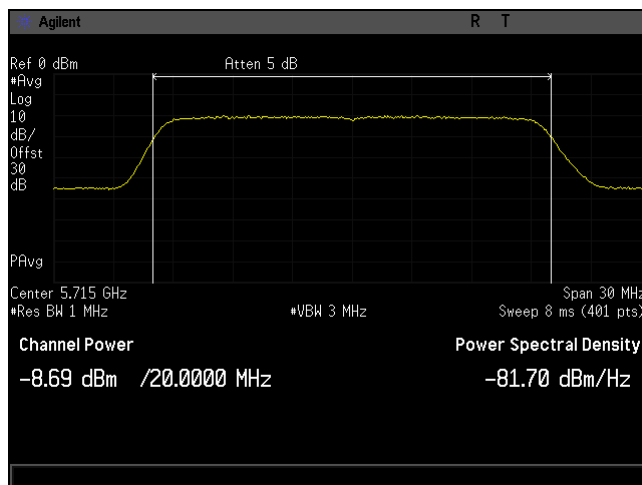
Plot 283. Conducted Transmitter Output Power, UNII 2C, BW 20M, Ch 5600M, 2x2 34dBi chain 0



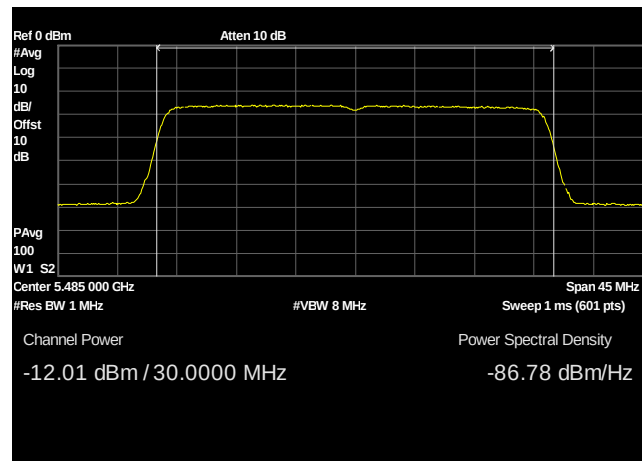
Plot 284. Conducted Transmitter Output Power, UNII 2C, BW 20M, Ch 5600M, 2x2 34dBi chain 1



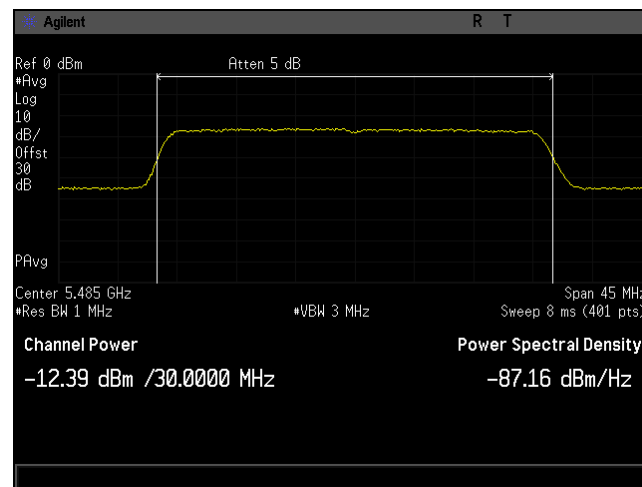
Plot 285. Conducted Transmitter Output Power, UNII 2C, BW 20M, Ch 5715M, 2x2 34dBi chain 0



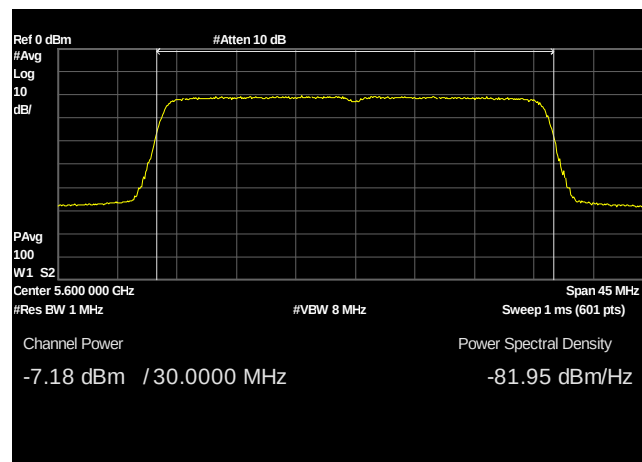
Plot 286. Conducted Transmitter Output Power, UNII 2C, BW 20M, Ch 5715M, 2x2 34dBi chain 1



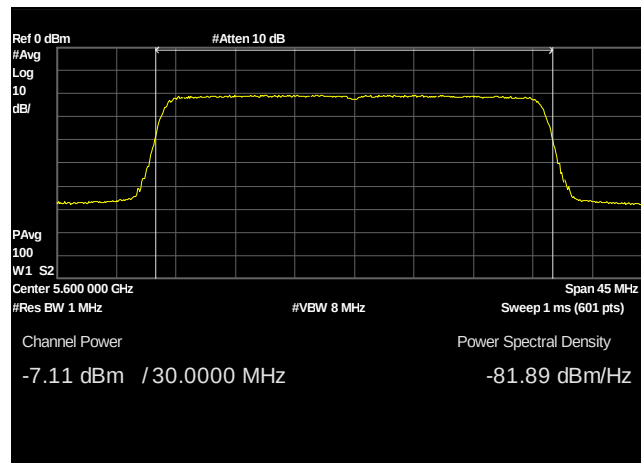
Plot 287. Conducted Transmitter Output Power, UNII 2C, BW 30M, Ch 5485M, 2x2 34dBi chain 0



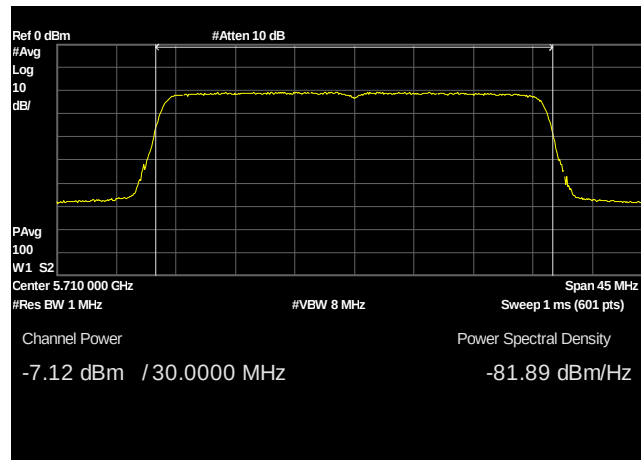
Plot 288. Conducted Transmitter Output Power, UNII 2C, BW 30M, Ch 5485M, 2x2 34dBi chain 1



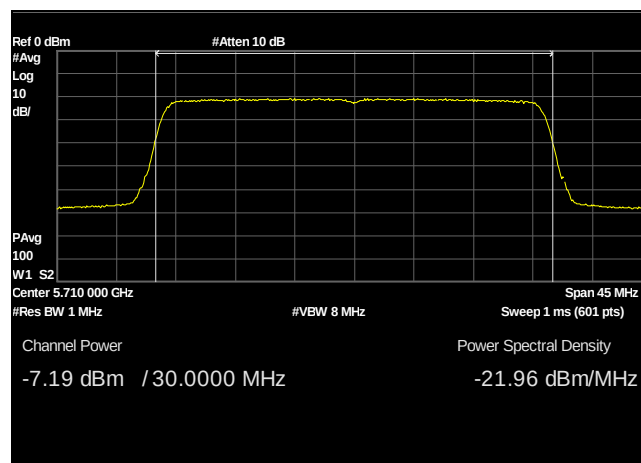
Plot 289. Conducted Transmitter Output Power, UNII 2C, BW 30M, Ch 5600M 2x2 34dBi chain 0



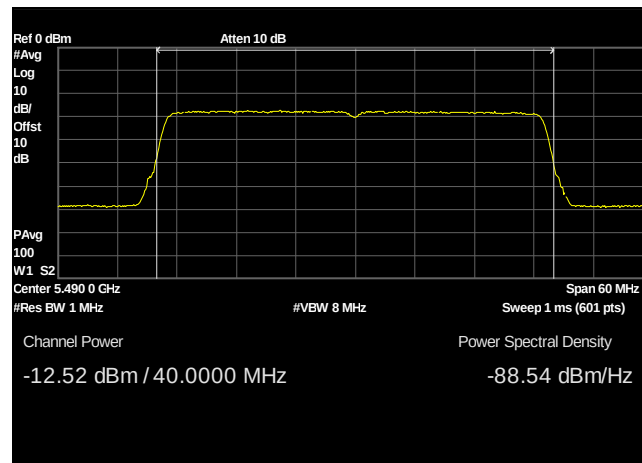
Plot 290. Conducted Transmitter Output Power, UNII 2C, BW 30M, Ch 5600M, 2x2 34dBi chain 1



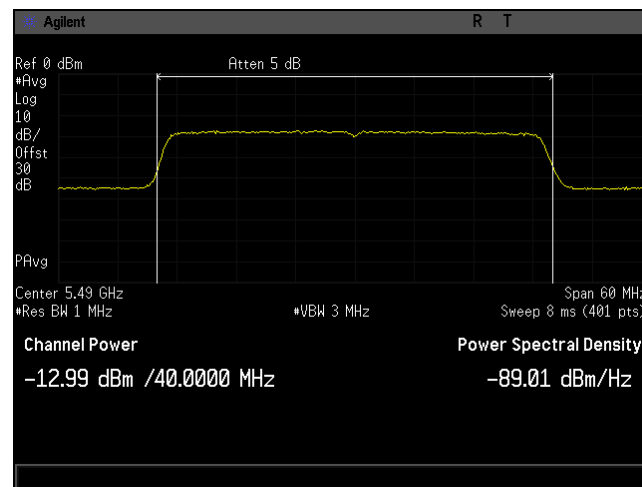
Plot 291. Conducted Transmitter Output Power, UNII 2C, BW 30M, Ch 5710M 2x2 34dBi chain 0



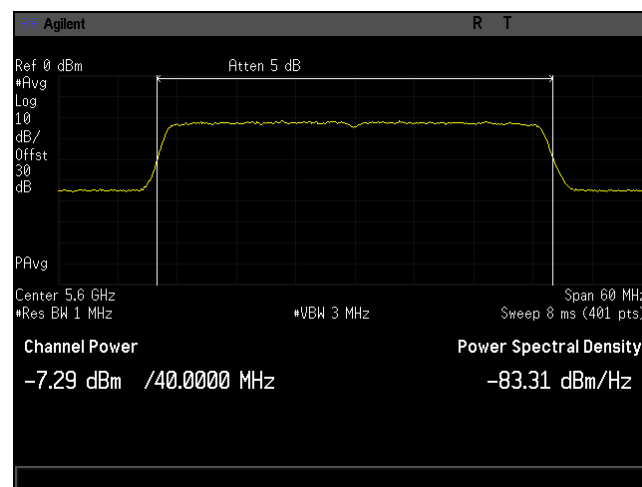
Plot 292. Conducted Transmitter Output Power, UNII 2C, BW 30M, Ch 5710M, 2x2 34dBi chain 1



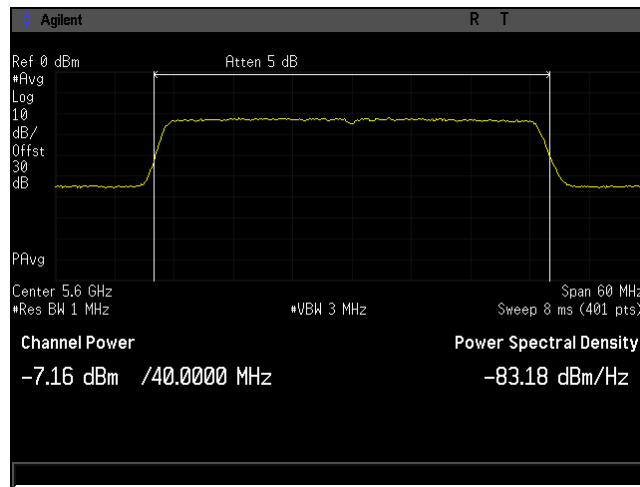
Plot 293. Conducted Transmitter Output Power, UNII 2C, BW 40M, Ch 5490M, 2x2 34dBi chain 0



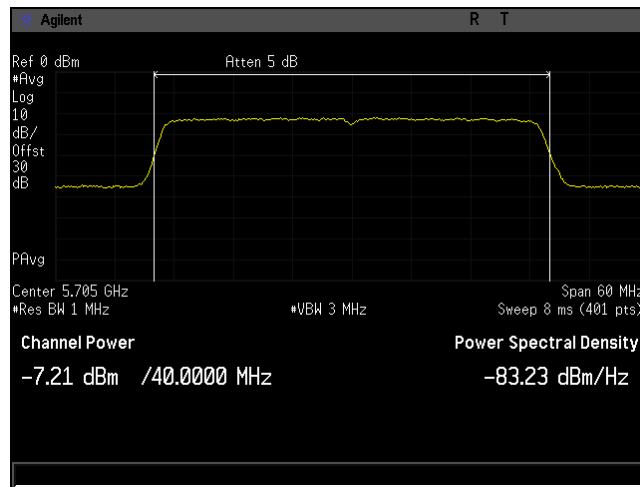
Plot 294. Conducted Transmitter Output Power, UNII 2C, BW 40M, Ch 5490M, 2x2 34dBi chain 1



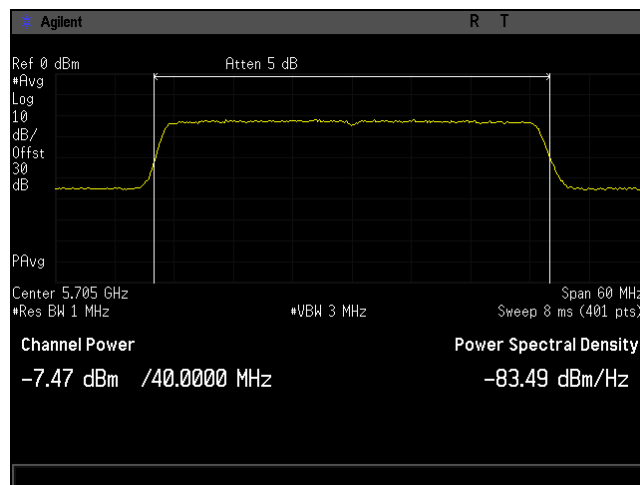
Plot 295. Conducted Transmitter Output Power, UNII 2C, BW 40M, Ch 5600M, 2x2 34dBi chain 0



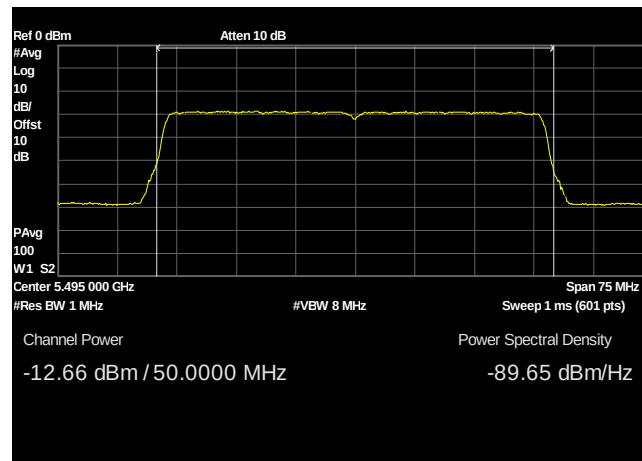
Plot 296. Conducted Transmitter Output Power, UNII 2C, BW 40M, Ch 5600M, 2x2 34dBi chain 1



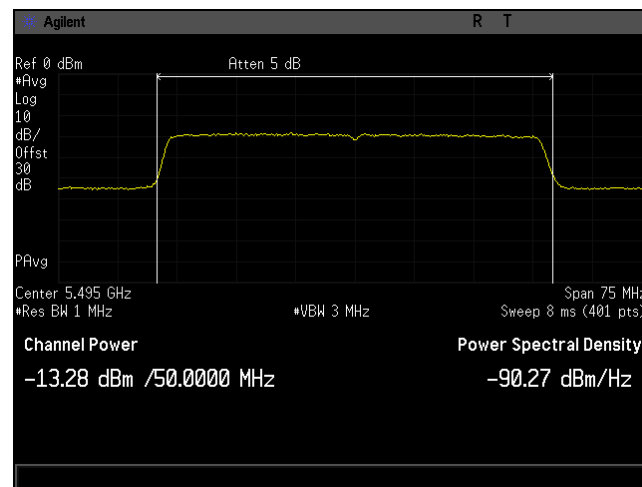
Plot 297. Conducted Transmitter Output Power, UNII 2C, BW 40M, Ch 5705M, 2x2 34dBi chain 0



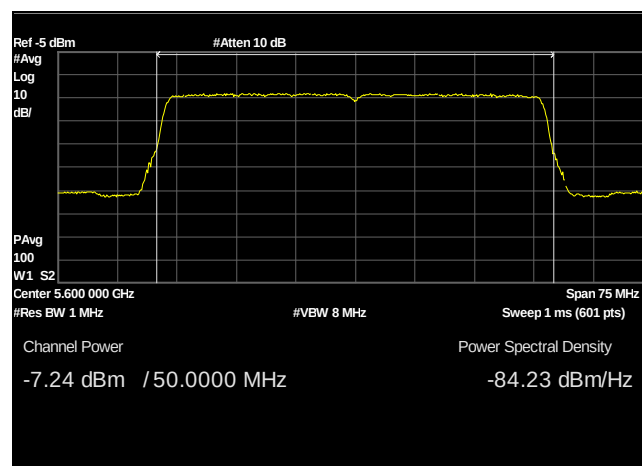
Plot 298. Conducted Transmitter Output Power, UNII 2C, BW 40M, Ch 5705M, 2x2 34dBi chain 1



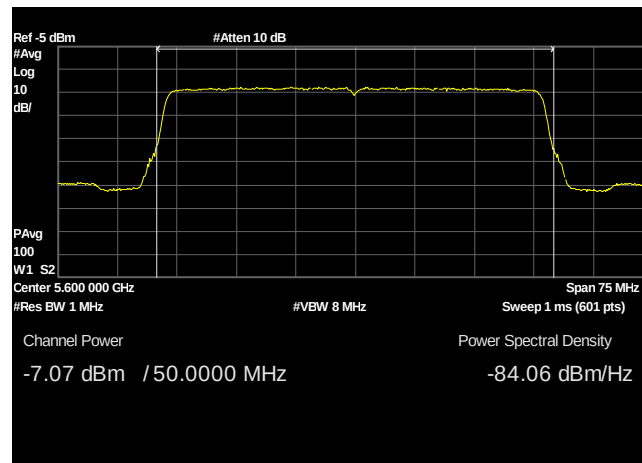
Plot 299. Conducted Transmitter Output Power, UNII 2C, BW 50M, Ch 5495M, 2x2 34dBi chain 0



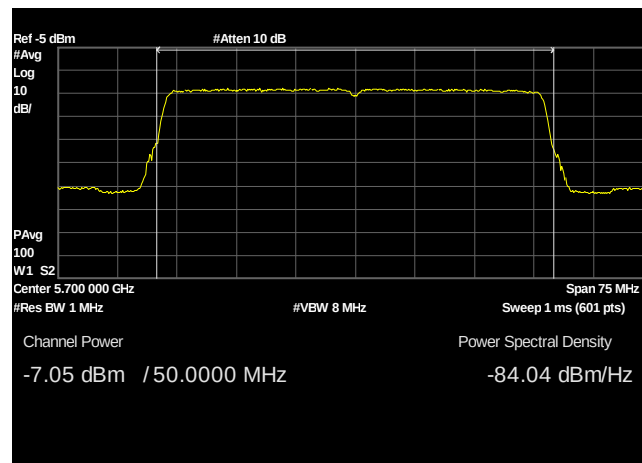
Plot 300. Conducted Transmitter Output Power, UNII 2C, BW 50M, Ch 5495M, 2x2 34dBi chain 1



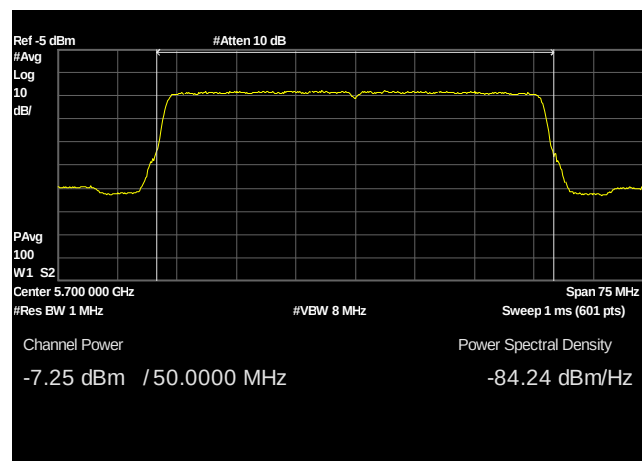
Plot 301. Conducted Transmitter Output Power, UNII 2C, BW 50M, Ch 5600M 2x2 34dBi chain 0



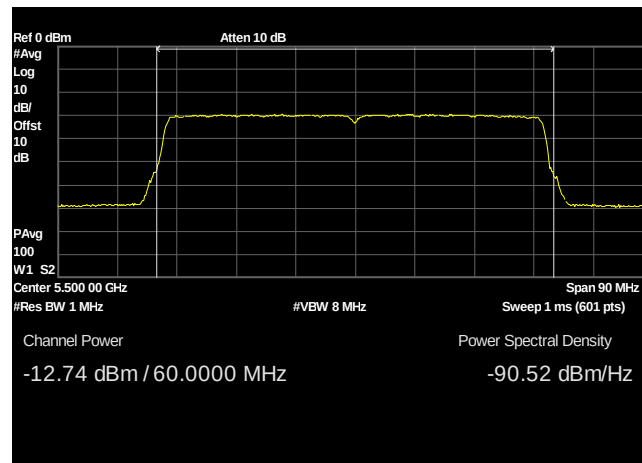
Plot 302. Conducted Transmitter Output Power, UNII 2C, BW 50M, Ch 5600M, 2x2 34dBi chain 1



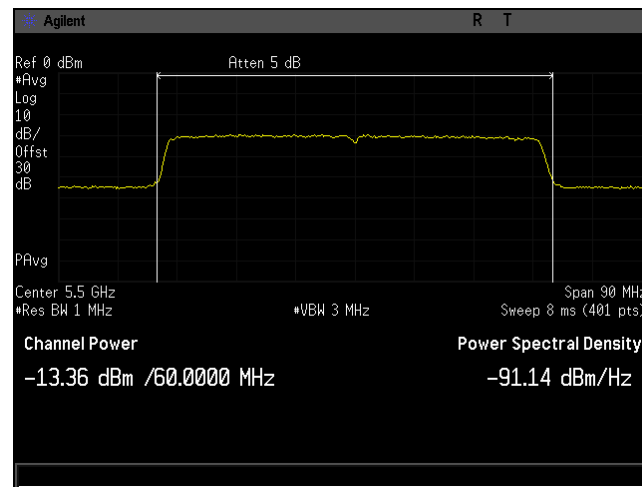
Plot 303. Conducted Transmitter Output Power, UNII 2C, BW 50M, Ch 5700M 2x2 34dBi chain 0



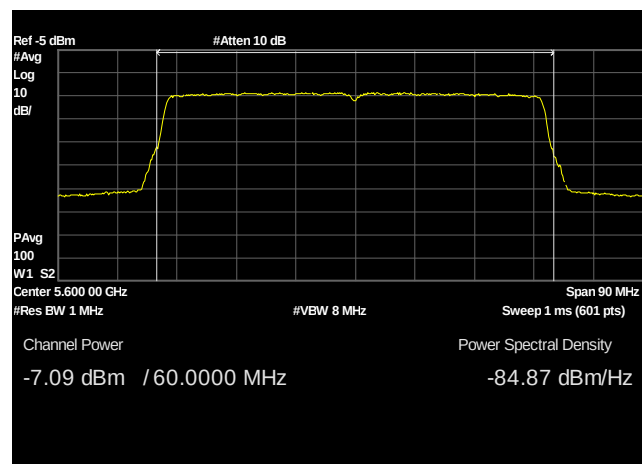
Plot 304. Conducted Transmitter Output Power, UNII 2C, BW 50M, Ch 5700M, 2x2 34dBi chain 1



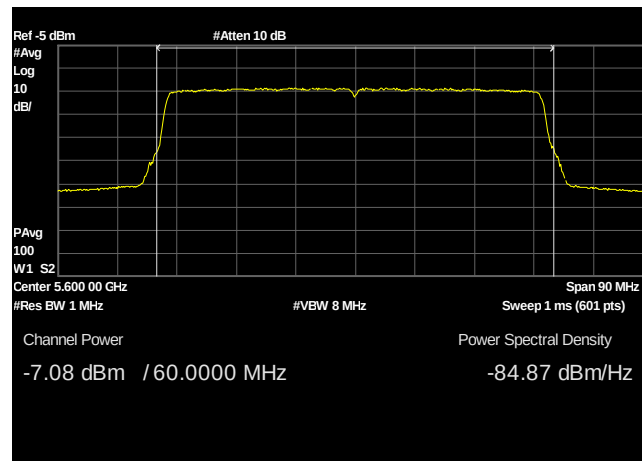
Plot 305. Conducted Transmitter Output Power, UNII 2C, BW 60M, Ch 5500M, 2x2 34dBi chain 0



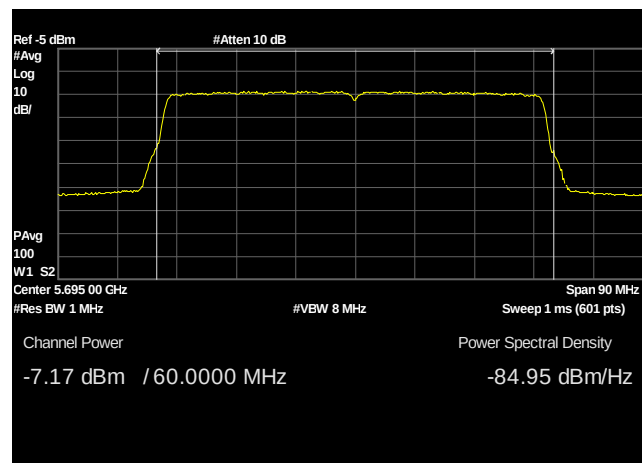
Plot 306. Conducted Transmitter Output Power, UNII 2C, BW 60M, Ch 5500M, 2x2 34dBi chain 1



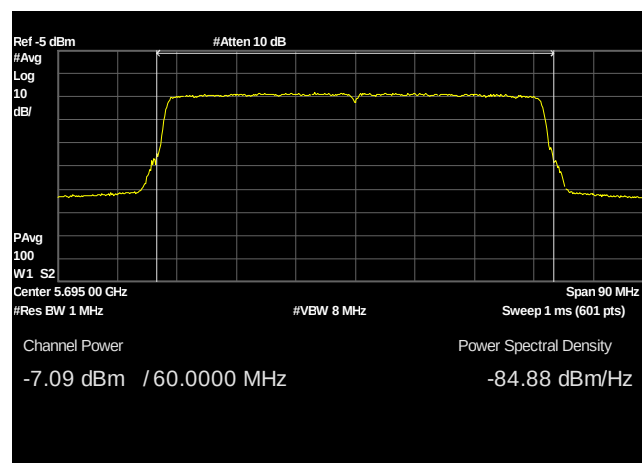
Plot 307. Conducted Transmitter Output Power, UNII 2C, BW 60M, Ch 5600M 2x2 34dBi chain 0



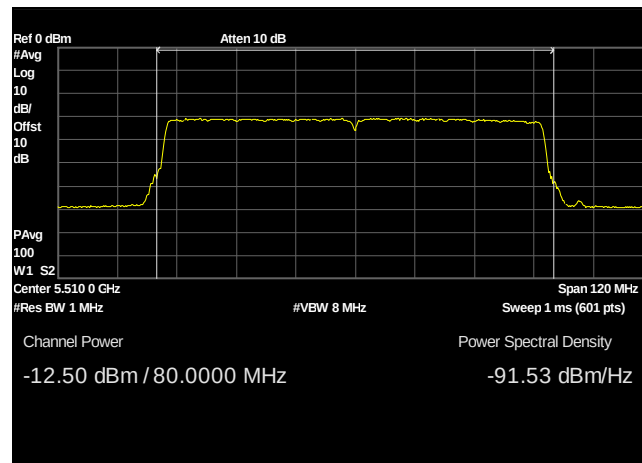
Plot 308. Conducted Transmitter Output Power, UNII 2C, BW 60M, Ch 5600M, 2x2 34dBi chain 1



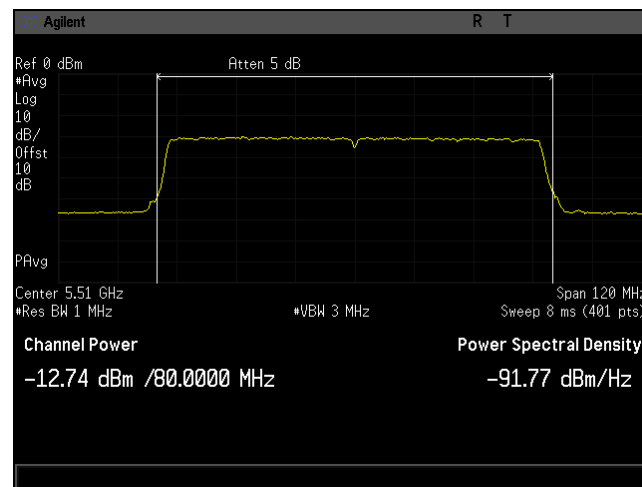
Plot 309. Conducted Transmitter Output Power, UNII 2C, BW 60M, Ch 5695M 2x2 34dBi chain 0



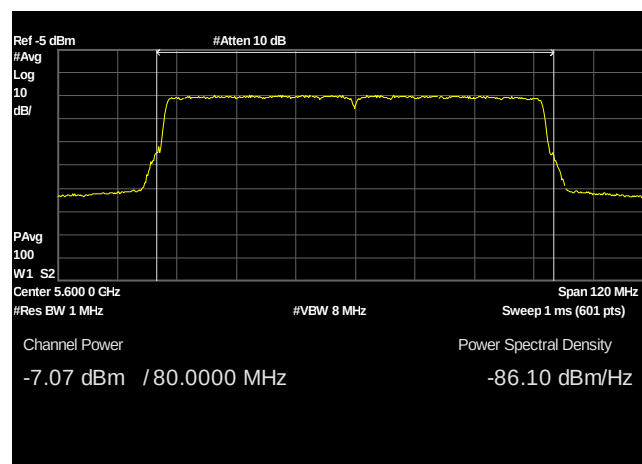
Plot 310. Conducted Transmitter Output Power, UNII 2C, BW 60M, Ch 5695M, 2x2 34dBi chain 1



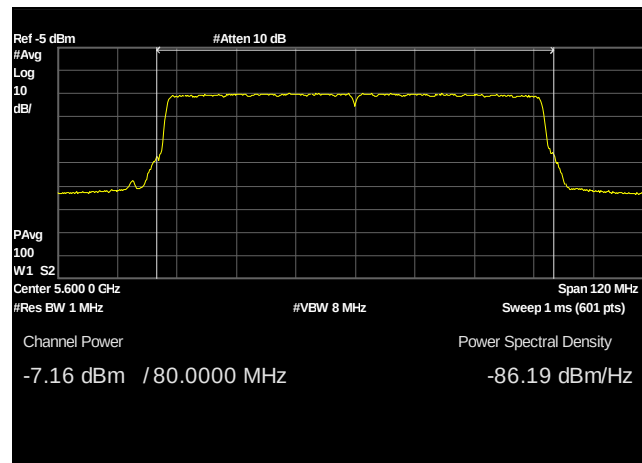
Plot 311. Conducted Transmitter Output Power, UNII 2C, BW 80M, Ch 5510M, 2x2 34dBi chain 0



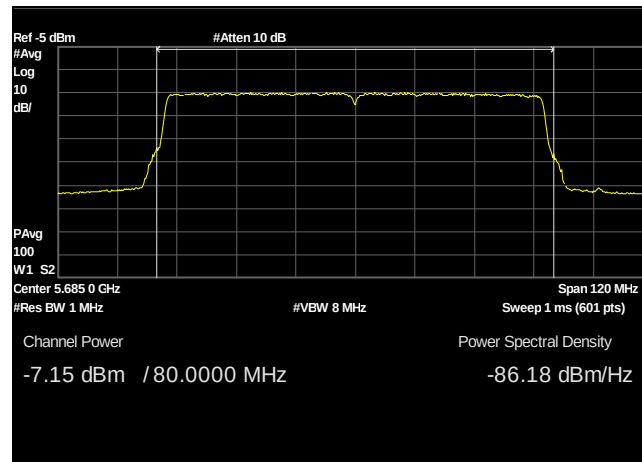
Plot 312. Conducted Transmitter Output Power, UNII 2C, BW 80M, Ch 5510M, 2x2 34dBi chain 1



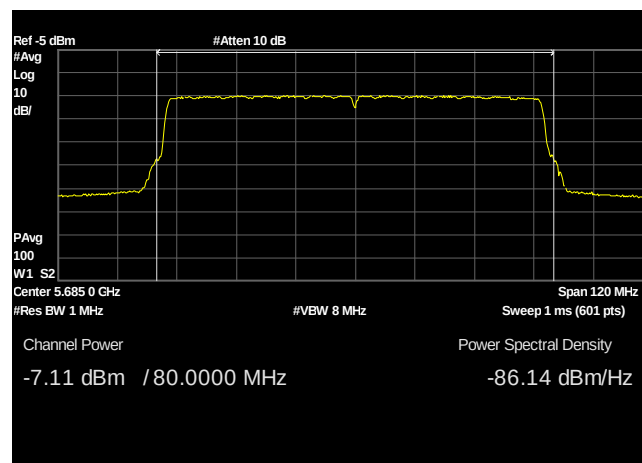
Plot 313. Conducted Transmitter Output Power, UNII 2C, BW 80M, Ch 5600M 2x2 34dBi chain 0



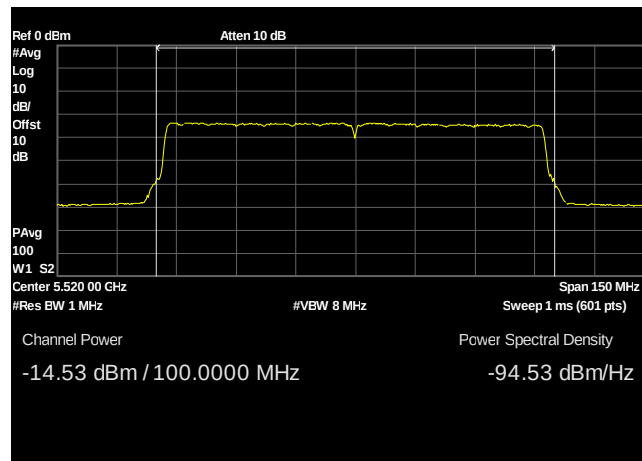
Plot 314. Conducted Transmitter Output Power, UNII 2C, BW 80M, Ch 5600M, 2x2 34dBi chain 1



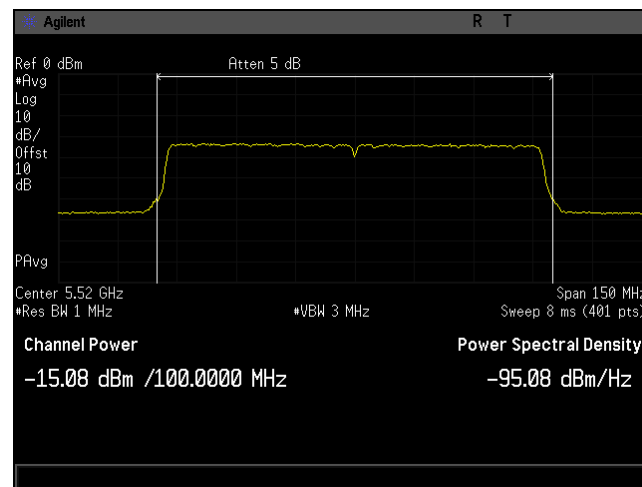
Plot 315. Conducted Transmitter Output Power, UNII 2C, BW 80M, Ch 5685M 2x2 34dBi chain 0



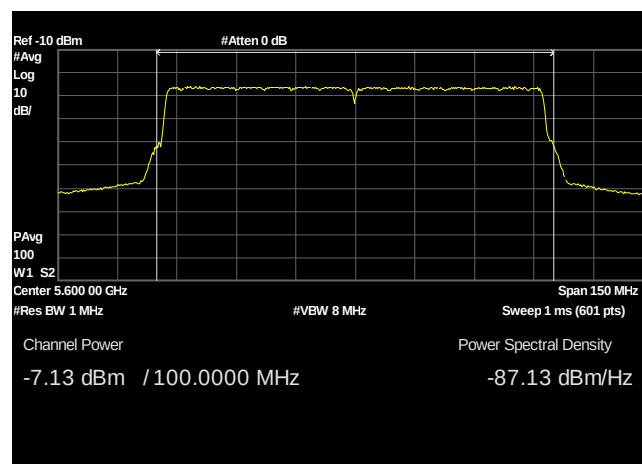
Plot 316. Conducted Transmitter Output Power, UNII 2C, BW 80M, Ch 5685M, 2x2 34dBi chain 1



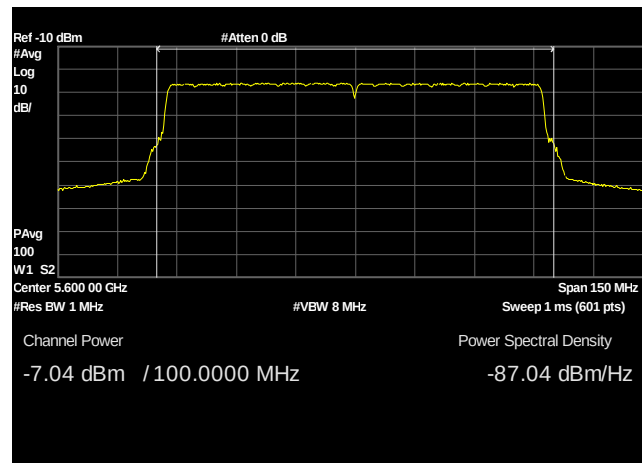
Plot 317. Conducted Transmitter Output Power, UNII 2C, BW 100M, Ch 5520M, 2x2 34dBi chain 0



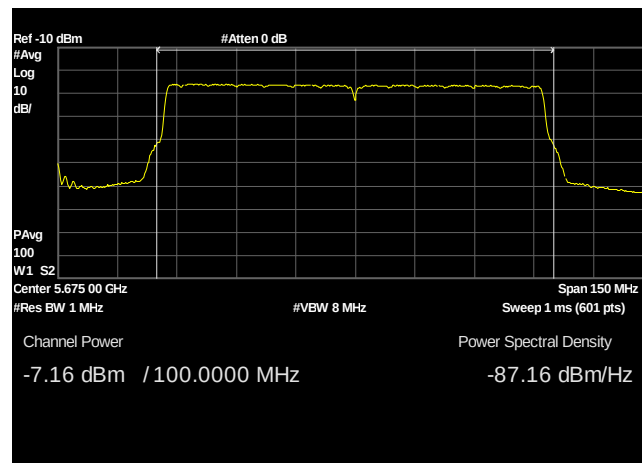
Plot 318. Conducted Transmitter Output Power, UNII 2C, BW 100M, Ch 5520M, 2x2 34dBi chain 1



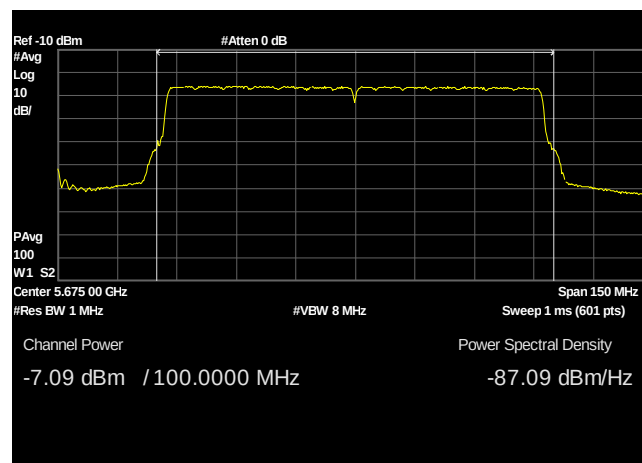
Plot 319. Conducted Transmitter Output Power, UNII 2C, BW 100M, Ch 5600M 2x2 34dBi chain 0



Plot 320. Conducted Transmitter Output Power, UNII 2C, BW 100M, Ch 5600M, 2x2 34dBi chain 1



Plot 321. Conducted Transmitter Output Power, UNII 2C, BW 100M, Ch 5675M 2x2 34dBi chain 0



Plot 322. Conducted Transmitter Output Power, UNII 2C, BW 100M, Ch 5675M, 2x2 34dBi chain 1

Electromagnetic Compatibility Criteria for Intentional Radiators

§15.407(a)(2) Maximum Power Spectral Density

Test Requirements: §15.407(a)(2): In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Test Procedure: The EUT was connected to a spectrum analyzer through a cable and attenuator. Measurements were taken with the EUT set to transmit continuously on its low, mid, and high channels. Its power was measured according KDB 789033 D02 General UNII Test Procedures v01.

Test Results: The EUT as tested is compliant with the requirements of this section.

Test Engineer(s): Donald Salguero

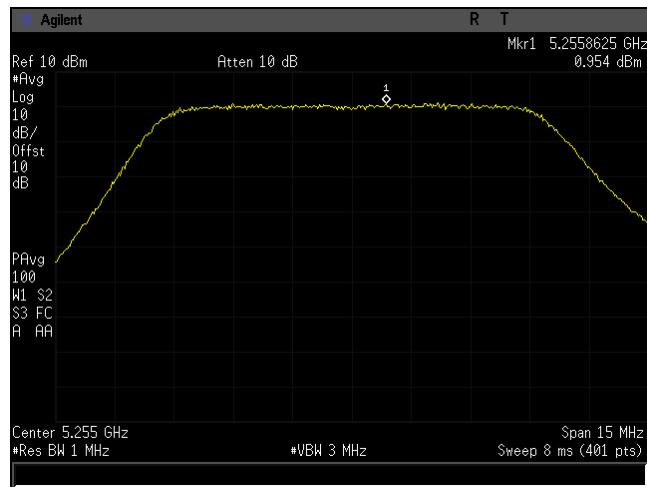
Test Date(s): August 30, 2017



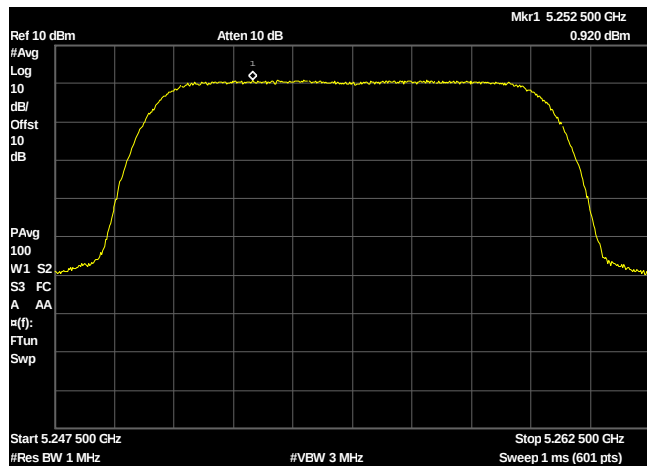
Power Spectral Density, UNII 2A, 13 dBi

Channel BW (MHz)	Frequency (MHz)	Chain 0 (dBm)	Chain 1 (dBm)	Sum (dBm)	Limit (dBm)	Directional Gain (dBi)	Final Limit (dBm)	Margin (dB)
10	5255	0.954	0.92	3.948	11	13	4	-0.052
	5300	0.675	0.923	3.812	11	13	4	-0.188
	5345	-9.125	-8.953	-6.027	11	13	4	-10.027
20	5260	0.871	0.986	3.94	11	13	4	-0.06
	5300	0.924	0.722	3.835	11	13	4	-0.165
	5340	-10.12	-10.25	-7.174	11	13	4	-11.174
30	5265	-0.097	0.056	2.991	11	13	4	-1.009
	5300	0.519	-0.145	3.21	11	13	4	-0.79
	5335	-9.829	-9.848	-6.828	11	13	4	-10.828
40	5270	-0.719	-1.679	1.838	11	13	4	-2.162
	5300	-0.862	-0.547	2.309	11	13	4	-1.691
	5330	-9.895	-9.794	-6.833	11	13	4	-10.833
50	5275	-1.649	-2.328	1.036	11	13	4	-2.964
	5300	-1.952	-2.037	1.017	11	13	4	-2.983
	5325	-9.665	-9.843	-6.742	11	13	4	-10.742
60	5280	-1.659	-2.401	0.997	11	13	4	-3.003
	5300	-3.09	-3.684	-0.366	11	13	4	-4.366
	5320	-10.05	-10.15	-7.089	11	13	4	-11.089
80	5290	-4.166	-4.077	-1.11	11	13	4	-5.11
	5300	-3.699	-3.947	-0.81	11	13	4	-4.81
	5310	-12.76	-13.17	-9.949	11	13	4	-13.949
100	5300	-22	-22.15	-19.064	11	13	4	-23.064

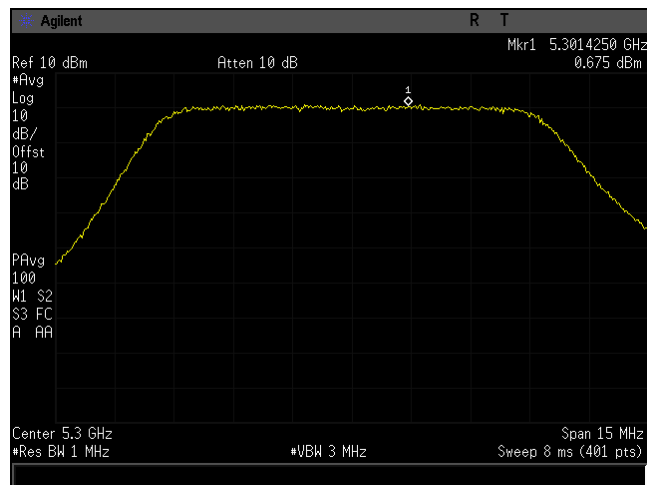
Table 15. Power Spectral Density, UNII 2A, 13 dBi, 2x2, Test Results



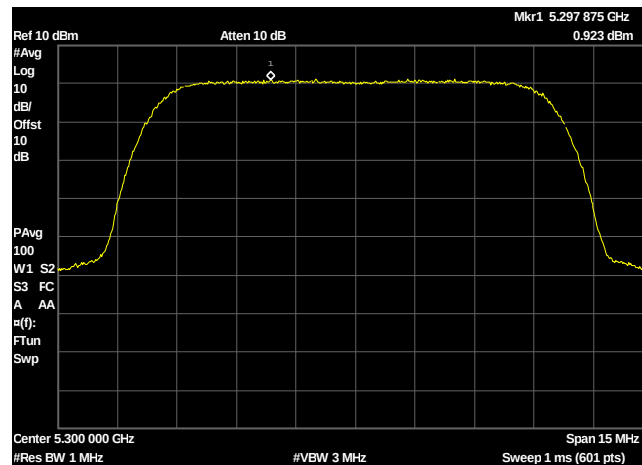
Plot 323. Power Spectral Density, UNII 2A, BW 10M, Ch 5255M, 2x2 13dBi c0



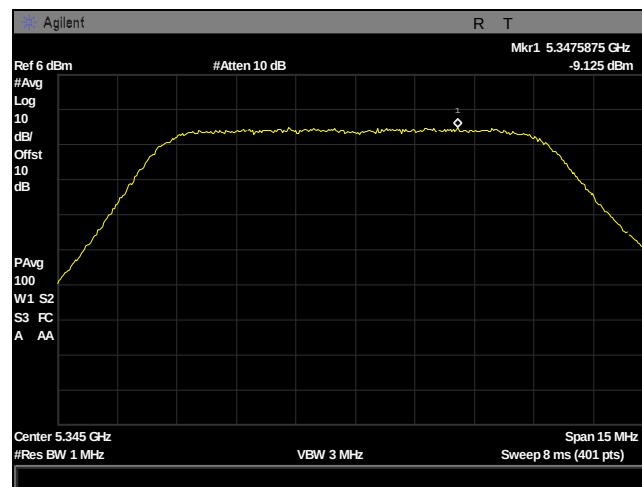
Plot 324. Power Spectral Density, UNII 2A, BW 10M, Ch 5255M, 2x2 13dBi c1



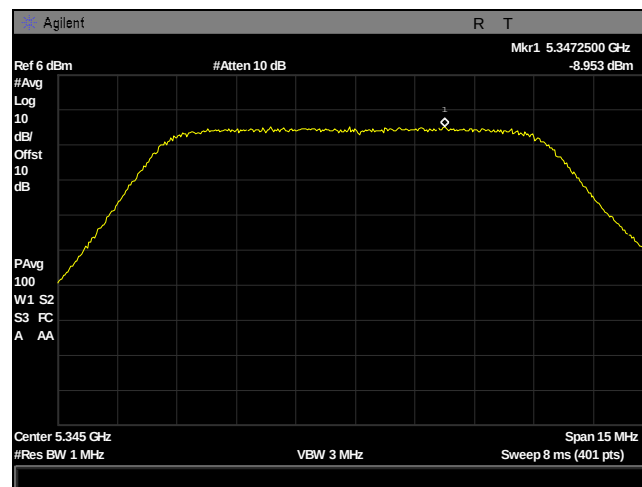
Plot 325. Power Spectral Density, UNII 2A, BW 10M, Ch 5300M, 2x2 13dBi c0



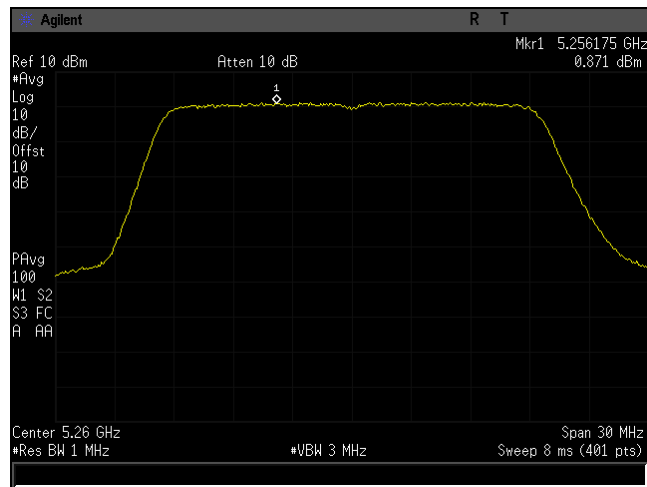
Plot 326. Power Spectral Density, UNII 2A, BW 10M, Ch 5300M, 2x2 13dBi c1



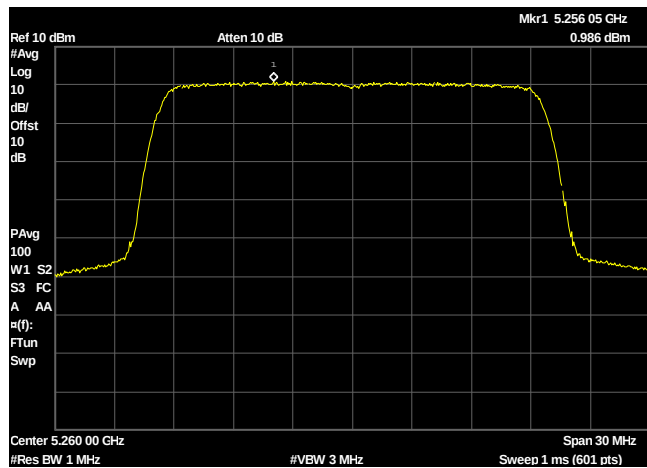
Plot 327. Power Spectral Density, UNII 2A, BW 10M, Ch 5345M, 2x2 13dBi c0



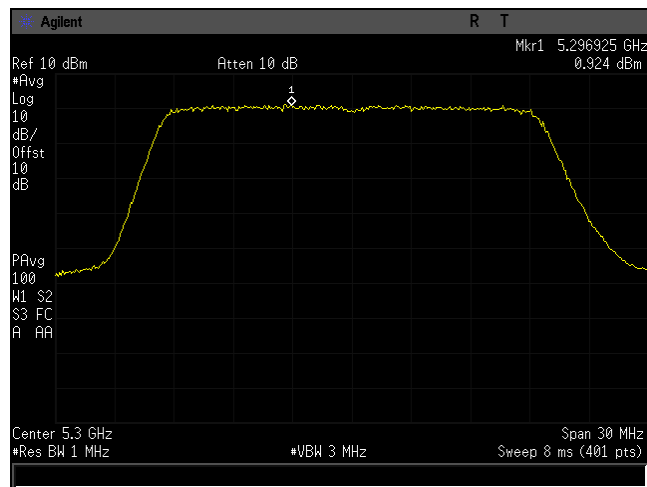
Plot 328. Power Spectral Density, UNII 2A, BW 10M, Ch 5345M, 2x2 13dBi c1



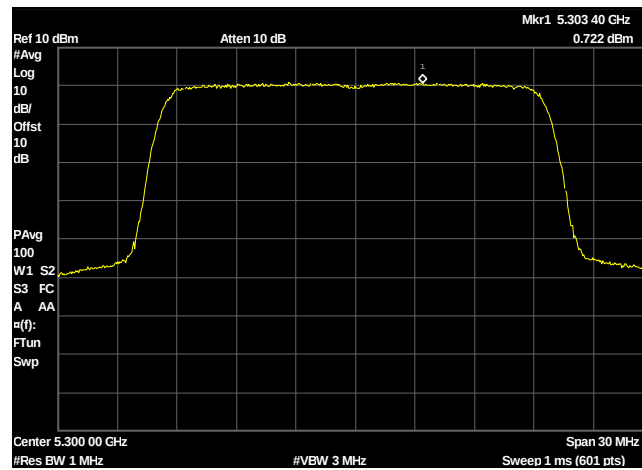
Plot 329. Power Spectral Density, UNII 2A, BW 20M, Ch 5260M, 2x2 13dBi c0



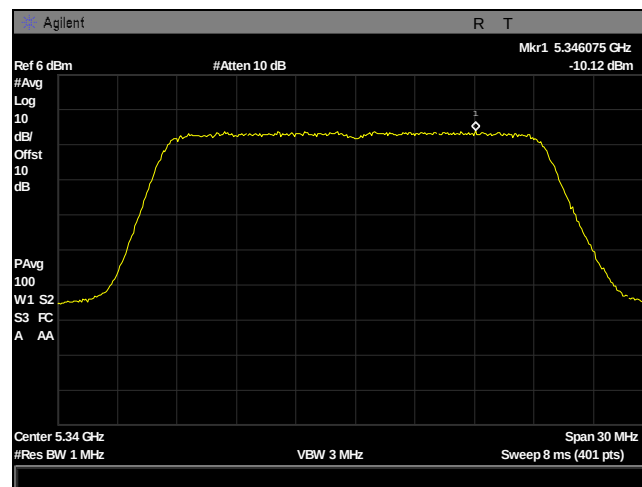
Plot 330. Power Spectral Density, UNII 2A, BW 20M, Ch 5260M, 2x2 13dBi c1



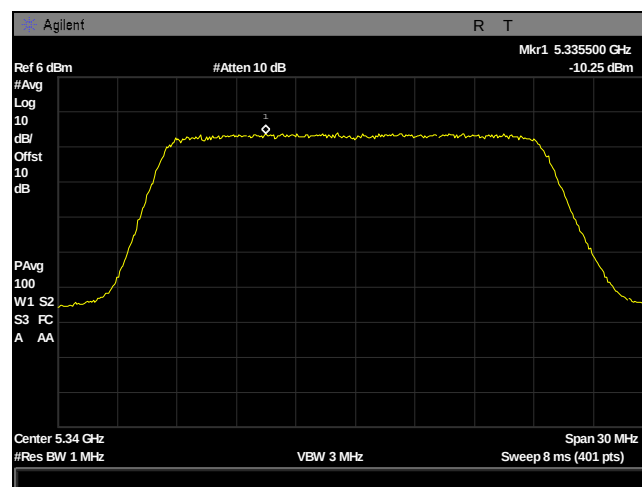
Plot 331. Power Spectral Density, UNII 2A, BW 20M, Ch 5300M, 2x2 13dBi c0



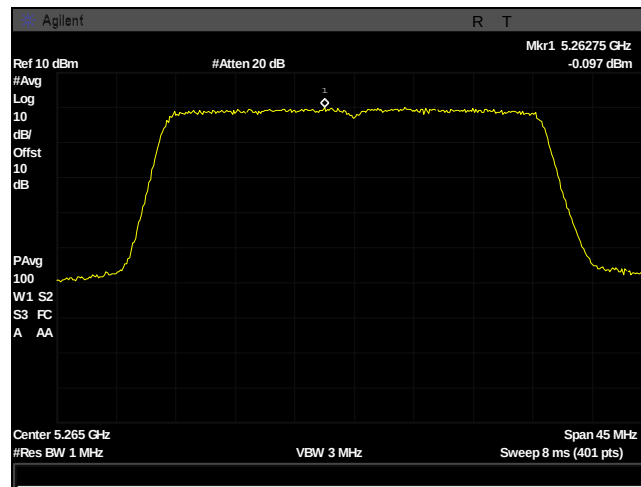
Plot 332. Power Spectral Density, UNII 2A, BW 20M, Ch 5300M, 2x2 13dBi c1



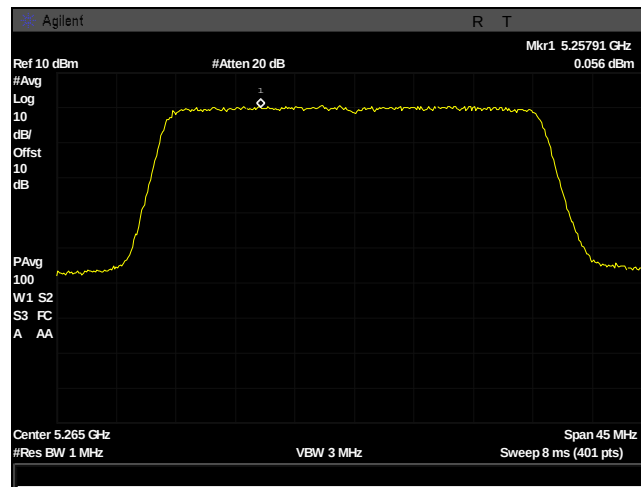
Plot 333. Power Spectral Density, UNII 2A, BW 20M, Ch 5340M, 2x2 13dBi c0



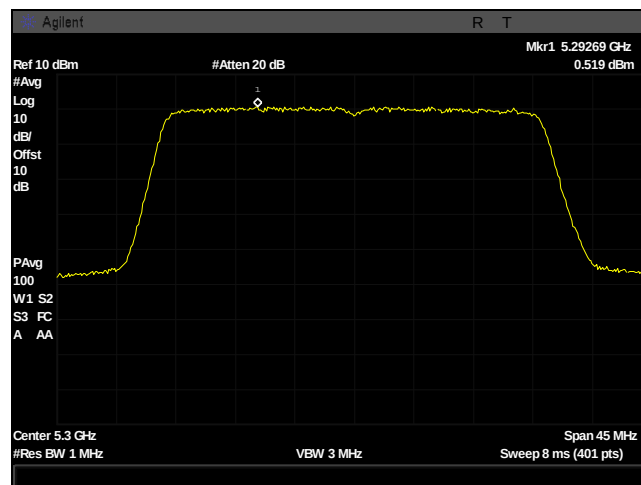
Plot 334. Power Spectral Density, UNII 2A, BW 20M, Ch 5340M, 2x2 13dBi c1



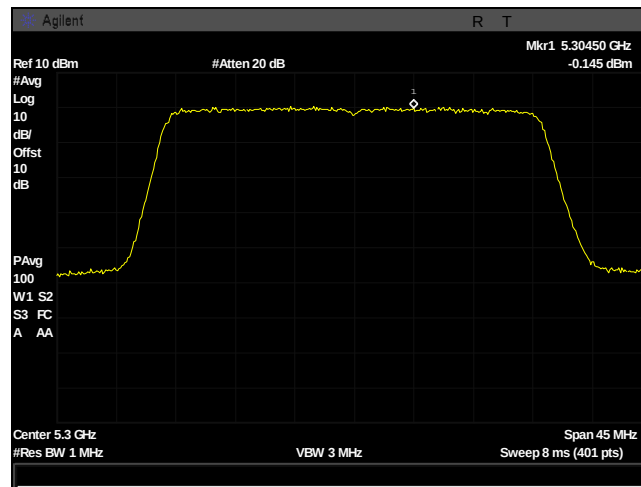
Plot 335. Power Spectral Density, UNII 2A, BW 30M, Ch 5265, 2x2 13dBi c0



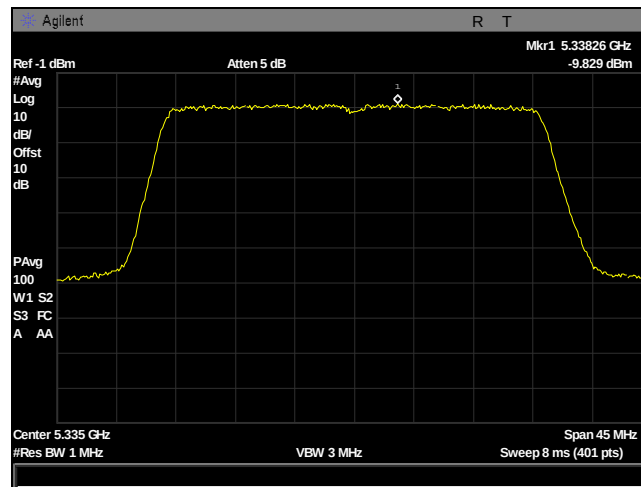
Plot 336. Power Spectral Density, UNII 2A, BW 30M, Ch 5265, 2x2 13dBi c1



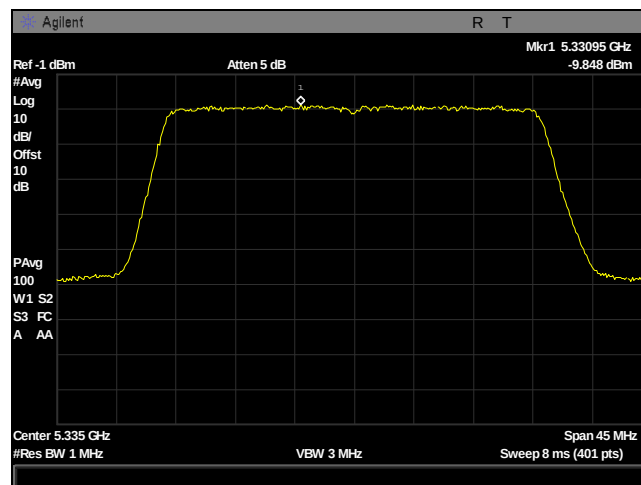
Plot 337. Power Spectral Density, UNII 2A, BW 30M, Ch 5300, 2x2 13dBi c0



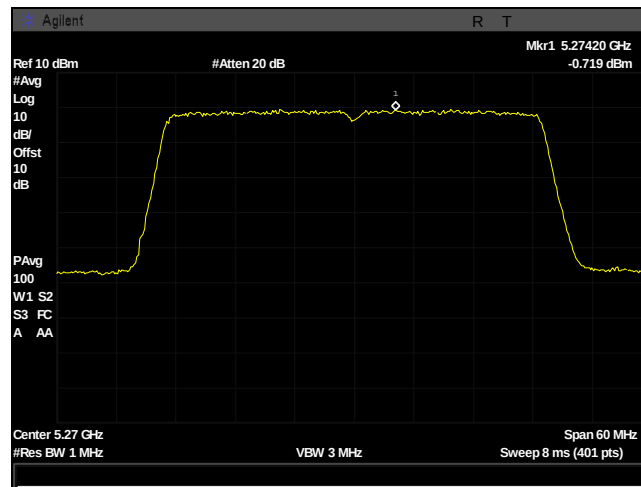
Plot 338. Power Spectral Density, UNII 2A, BW 30M, Ch 5300, 2x2 13dBi c1



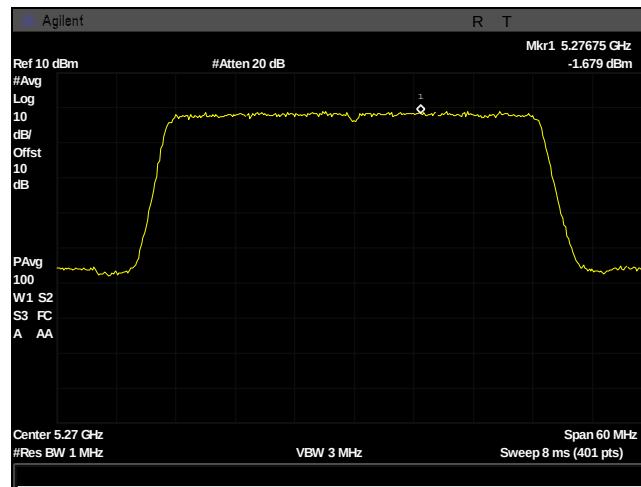
Plot 339. Power Spectral Density, UNII 2A, BW 30M, Ch 5335M, 2x2 13dBi c0



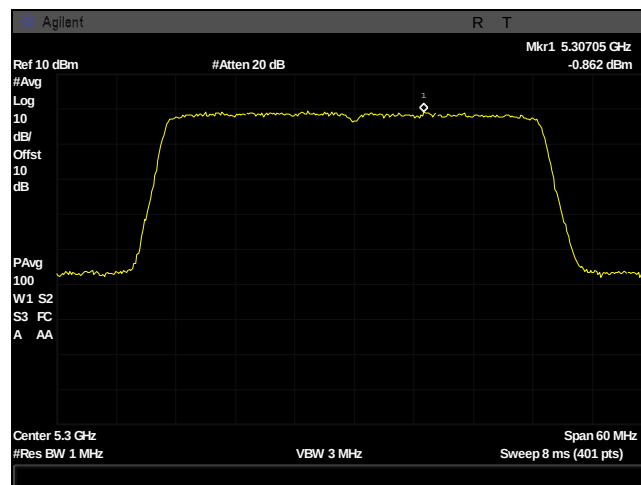
Plot 340. Power Spectral Density, UNII 2A, BW 30M, Ch 5335M, 2x2 13dBi c1



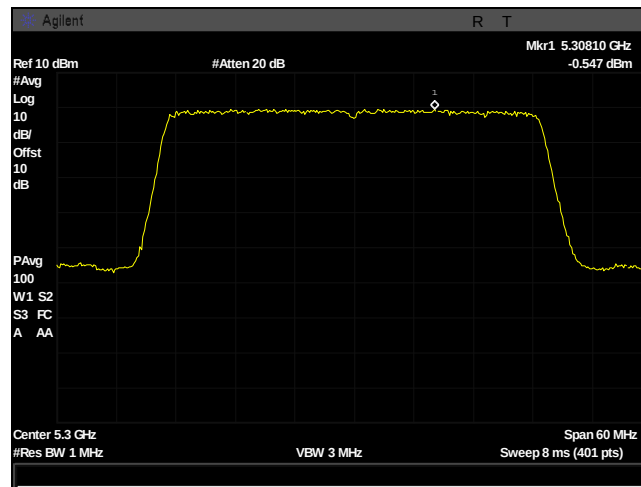
Plot 341. Power Spectral Density, UNII 2A, BW 40M, Ch 5270, 2x2 13dBi c0



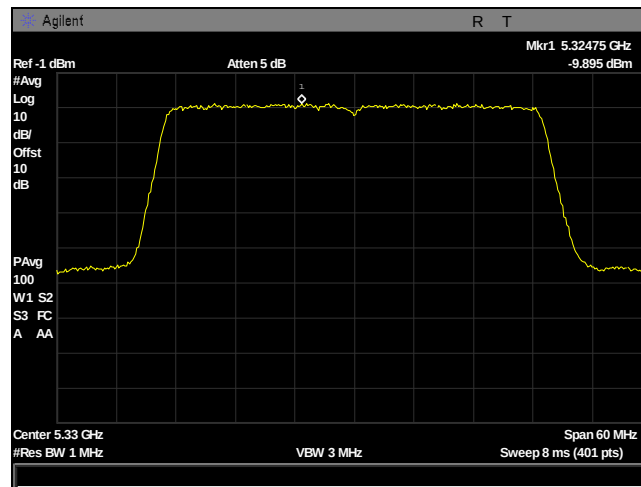
Plot 342. Power Spectral Density, UNII 2A, BW 40M, Ch 5270, 2x2 13dBi c1



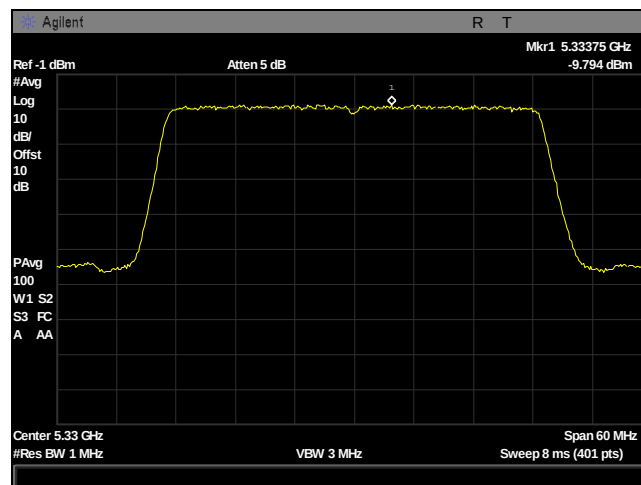
Plot 343. Power Spectral Density, UNII 2A, BW 40M, Ch 5300, 2x2 13dBi c0



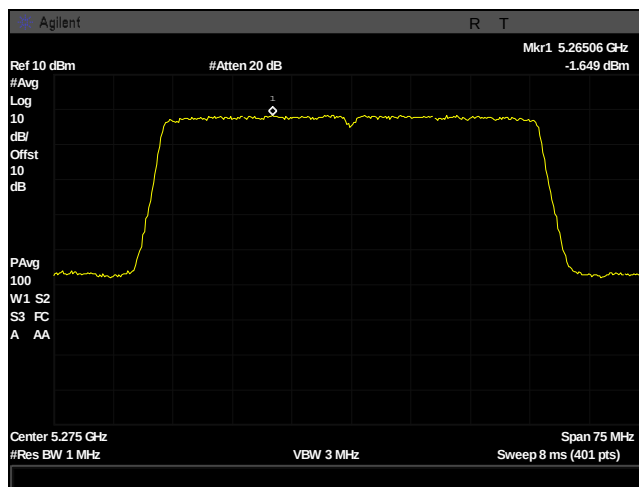
Plot 344. Power Spectral Density, UNII 2A, BW 40M, Ch 5300, 2x2 13dBi c1



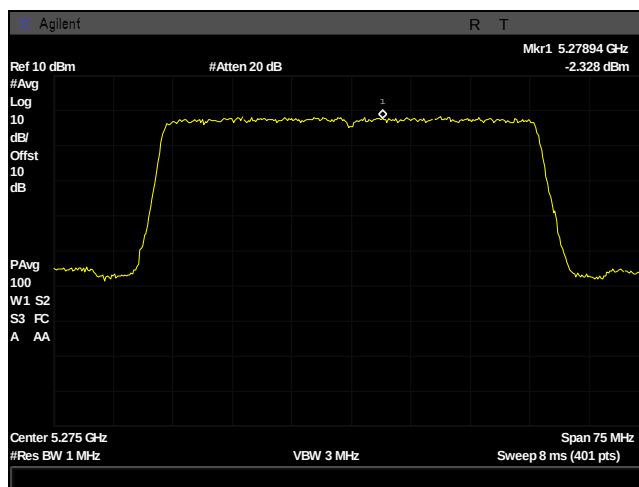
Plot 345. Power Spectral Density, UNII 2A, BW 40M, Ch 5330M, 2x2 13dBi c0



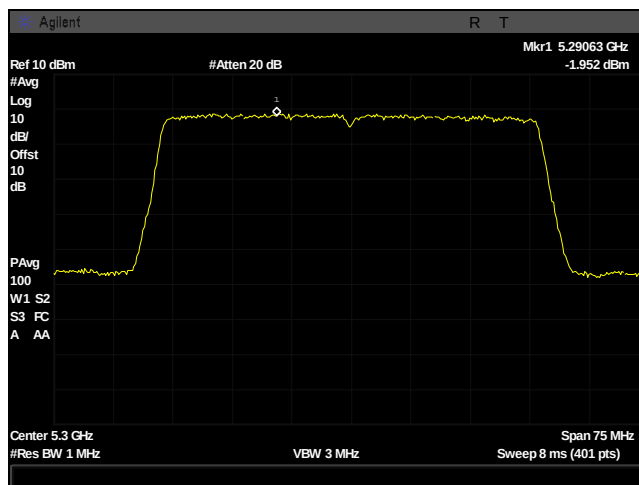
Plot 346. Power Spectral Density, UNII 2A, BW 40M, Ch 5330M, 2x2 13dBi c1



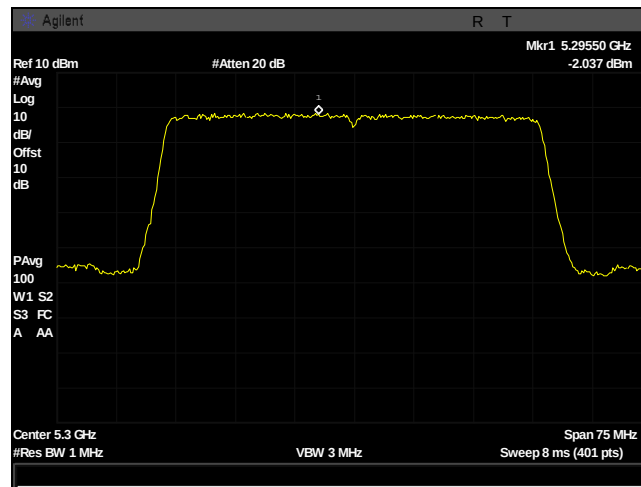
Plot 347. Power Spectral Density, UNII 2A, BW 50M, Ch 5275, 2x2 13dBi c0



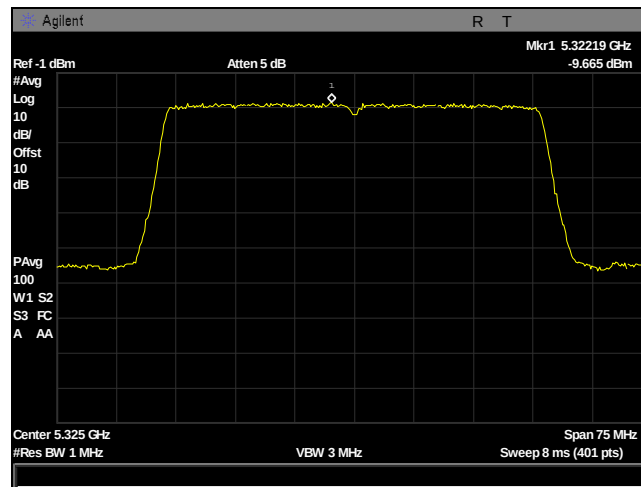
Plot 348. Power Spectral Density, UNII 2A, BW 50M, Ch 5275, 2x2 13dBi c1



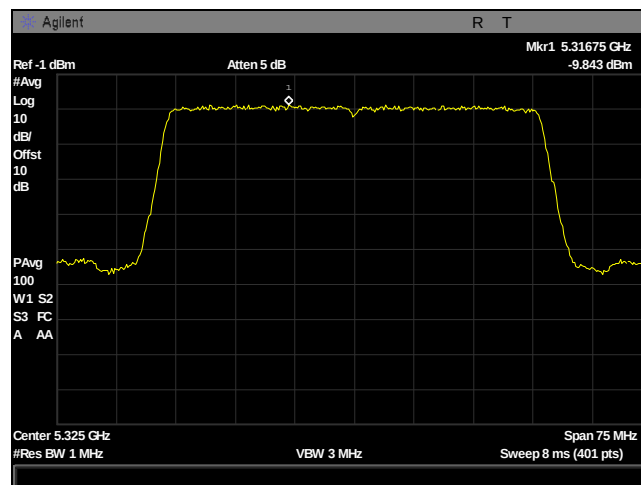
Plot 349. Power Spectral Density, UNII 2A, BW 50M, Ch 5300, 2x2 13dBi c0



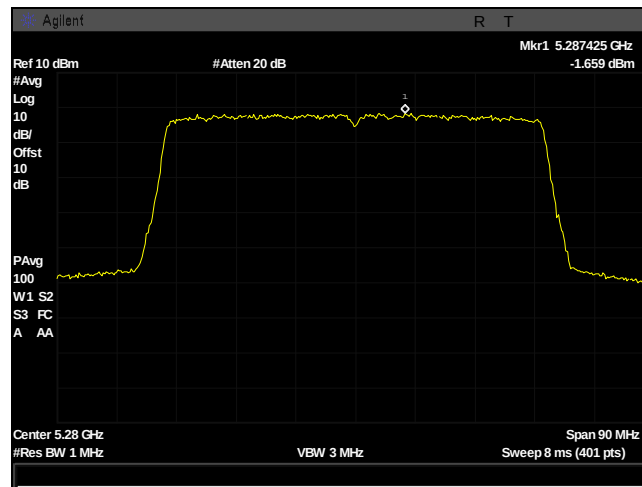
Plot 350. Power Spectral Density, UNII 2A, BW 50M, Ch 5300, 2x2 13dBi c1



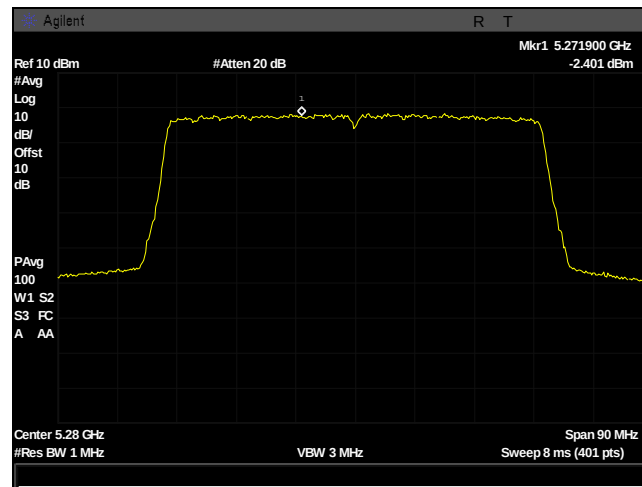
Plot 351. Power Spectral Density, UNII 2A, BW 50M, Ch 5325M, 2x2 13dBi c0



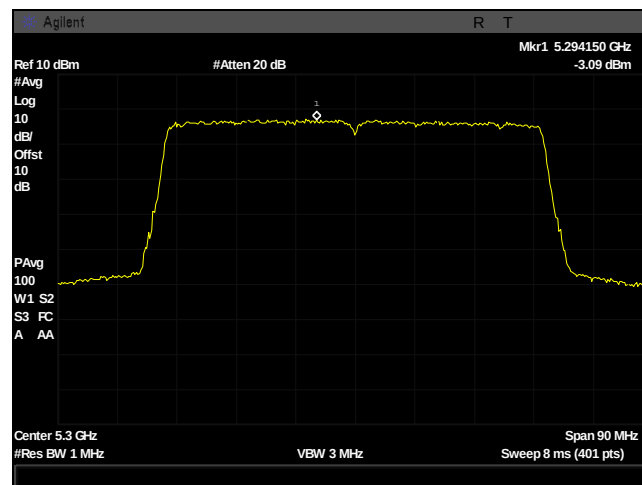
Plot 352. Power Spectral Density, UNII 2A, BW 50M, Ch 5325M, 2x2 13dBi c1



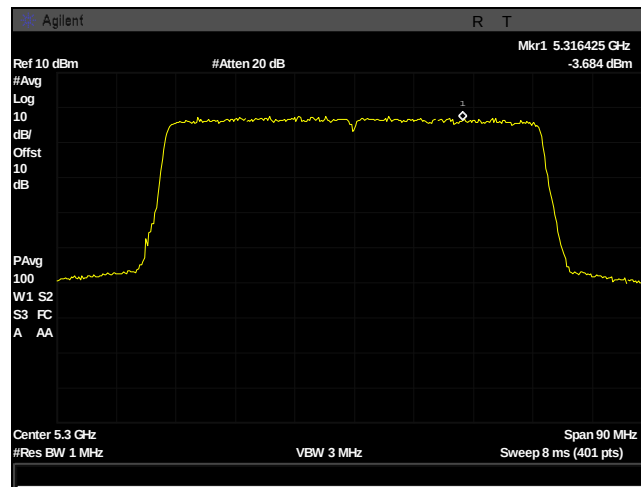
Plot 353. Power Spectral Density, UNII 2A, BW 60M, Ch 5280, 2x2 13dBi c0



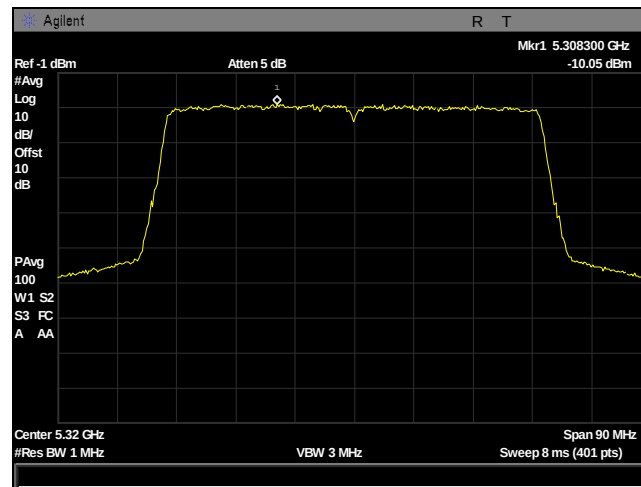
Plot 354. Power Spectral Density, UNII 2A, BW 60M, Ch 5280, 2x2 13dBi c1



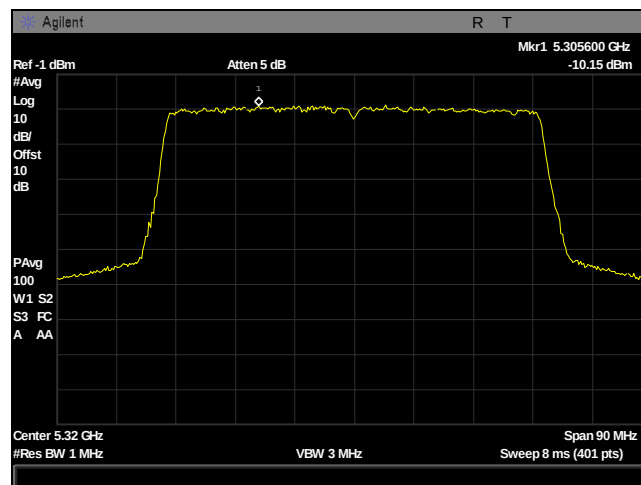
Plot 355. Power Spectral Density, UNII 2A, BW 60M, Ch 5300, 2x2 13dBi c0



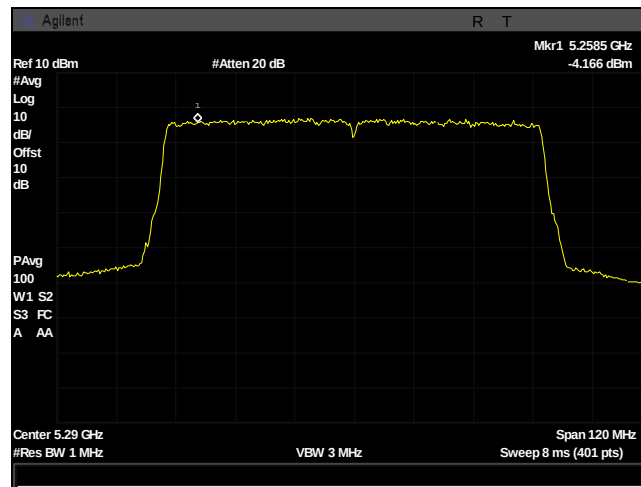
Plot 356. Power Spectral Density, UNII 2A, BW 60M, Ch 5300, 2x2 13dBi c1



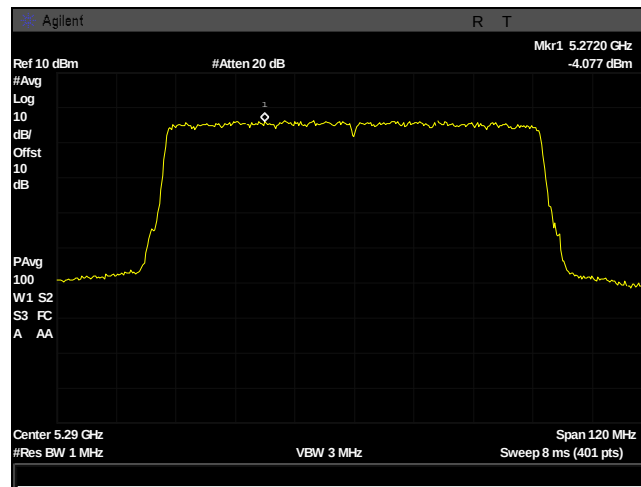
Plot 357. Power Spectral Density, UNII 2A, BW 60M, Ch 5320M, 2x2 13dBi c0



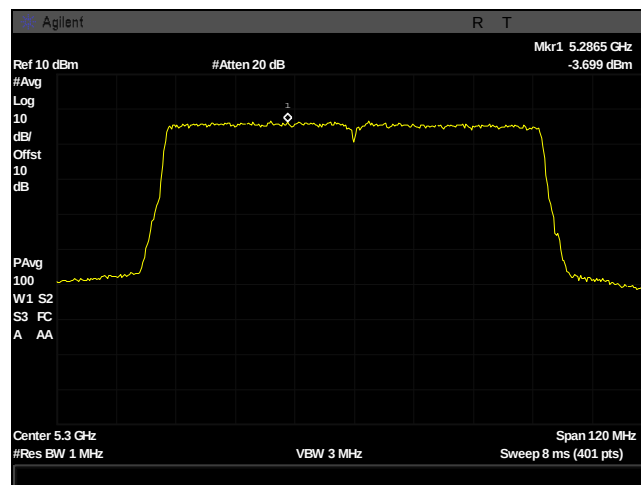
Plot 358. Power Spectral Density, UNII 2A, BW 60M, Ch 5320M, 2x2 13dBi c1



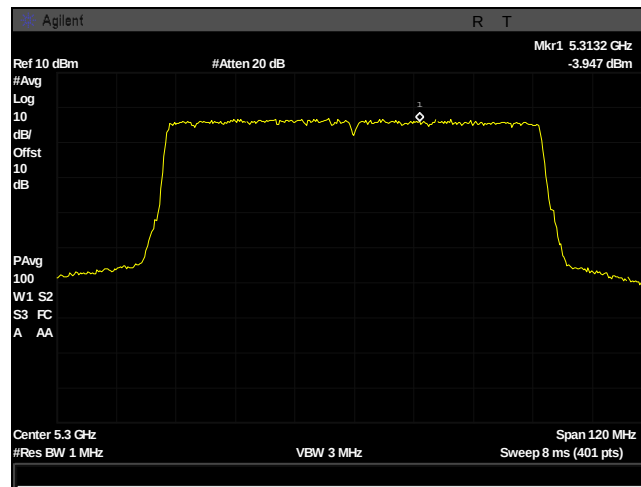
Plot 359. Power Spectral Density, UNII 2A, BW 80M, Ch 5290, 2x2 13dBi c0



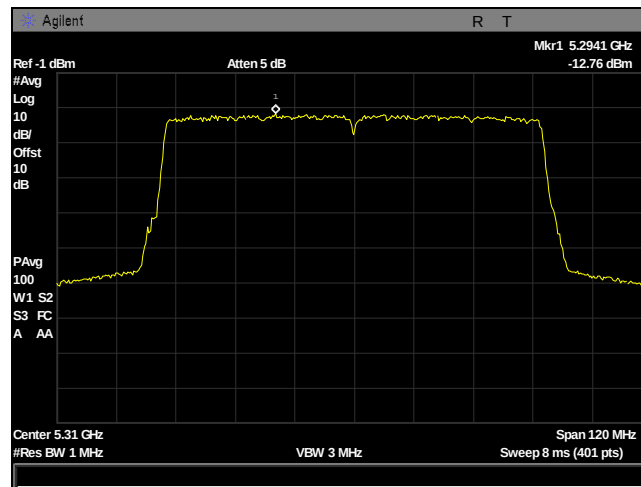
Plot 360. Power Spectral Density, UNII 2A, BW 80M, Ch 5290, 2x2 13dBi c1



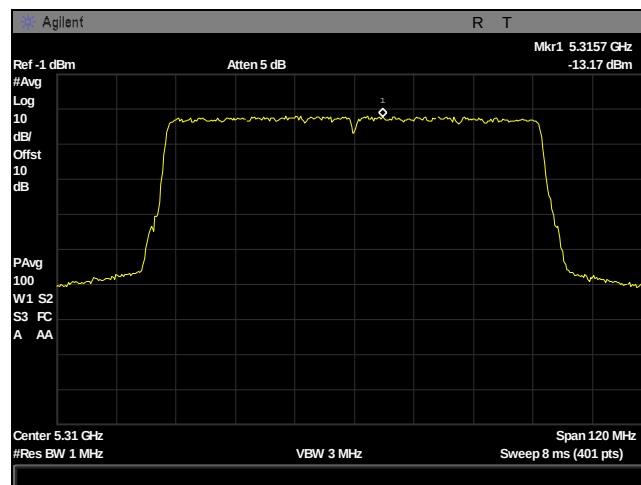
Plot 361. Power Spectral Density, UNII 2A, BW 80M, Ch 5300, 2x2 13dBi c0



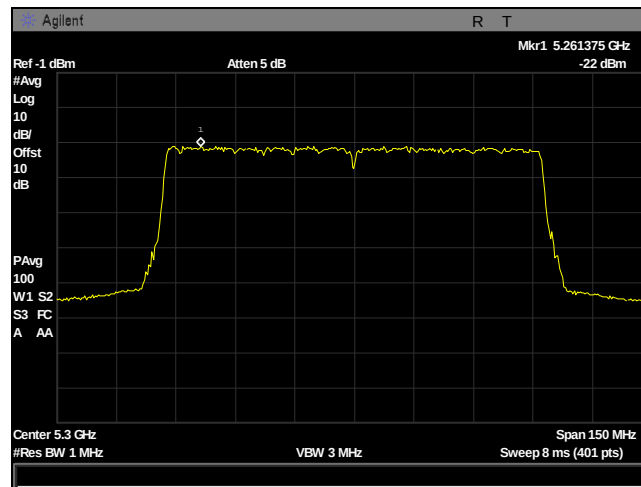
Plot 362. Power Spectral Density, UNII 2A, BW 80M, Ch 5300, 2x2 13dBi c1



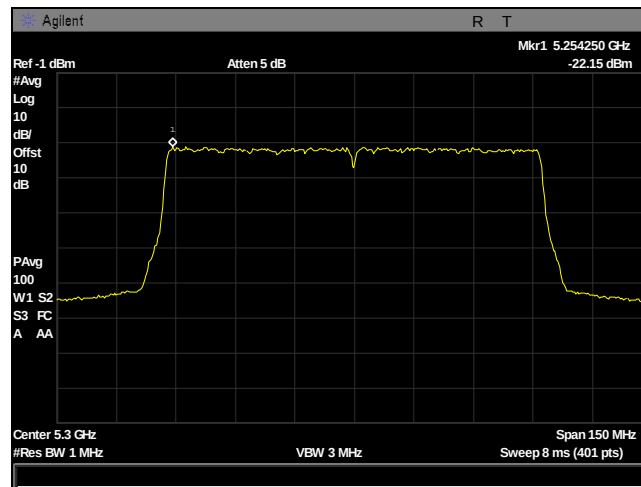
Plot 363. Power Spectral Density, UNII 2A, BW 80M, Ch 5310M, 2x2 13dBi c0



Plot 364. Power Spectral Density, UNII 2A, BW 80M, Ch 5310M, 2x2 13dBi c1



Plot 365. Power Spectral Density, UNII 2A, BW 100M, Ch 5300M, 2x2 13dBi c0

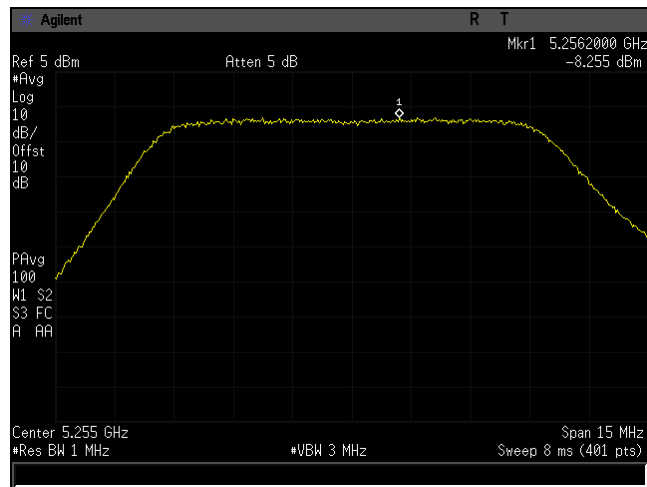


Plot 366. Power Spectral Density, UNII 2A, BW 100M, Ch 5300M, 2x2 13dBi c1

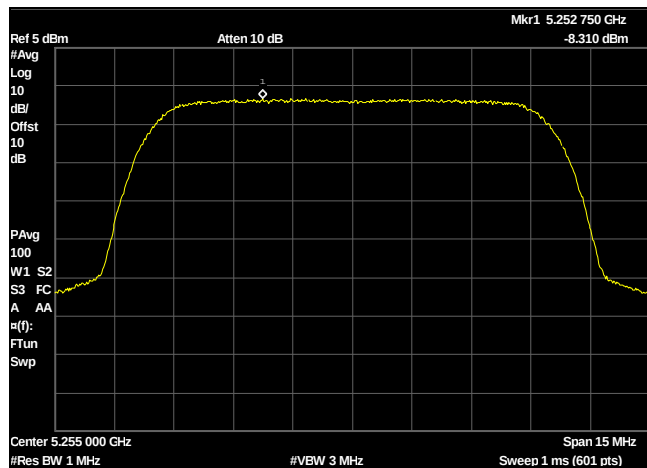
Power Spectral Density, UNII 2A, 22 dBi

Channel BW (MHz)	Frequency (MHz)	Chain 0 (dBm)	Chain 1 (dBm)	Sum (dBm)	Limit (dBm)	Directional Gain (dBi)	Final Limit (dBm)	Margin (dB)
10	5255	-8.255	-8.31	-5.272	11	22	-5	-0.272
	5300	-8.622	-8.52	-5.56	11	22	-5	-0.56
	5345	-8.37	-8.481	-5.414	11	22	-5	-0.414
20	5260	-8.255	-8.008	-5.119	11	22	-5	-0.119
	5300	-8.591	-8.251	-5.407	11	22	-5	-0.407
	5340	-8.526	-8.501	-5.503	11	22	-5	-0.503
30	5265	-9.296	-9.49	-6.381	11	22	-5	-1.381
	5300	-9.699	-9.173	-6.417	11	22	-5	-1.417
	5335	-9.87	-9.893	-6.871	11	22	-5	-1.871
40	5270	-10.56	-9.584	-7.034	11	22	-5	-2.034
	5300	-10.29	-10.35	-7.309	11	22	-5	-2.309
	5330	-10.34	-11.1	-7.693	11	22	-5	-2.693
50	5275	-11.32	-10.75	-8.015	11	22	-5	-3.015
	5300	-11.51	-11.11	-8.295	11	22	-5	-3.295
	5325	-12.42	-11.98	-9.184	11	22	-5	-4.184
60	5280	-11.25	-11.63	-8.425	11	22	-5	-3.425
	5300	-12.14	-12.76	-9.428	11	22	-5	-4.428
	5320	-13.55	-13.25	-10.387	11	22	-5	-5.387
80	5290	-13.11	-13.49	-10.285	11	22	-5	-5.285
	5300	-12.63	-13.24	-9.913	11	22	-5	-4.913
	5310	-17.08	-17	-14.029	11	22	-5	-9.029
100	5300	-18.99	-18.97	-15.969	11	22	-5	-10.969

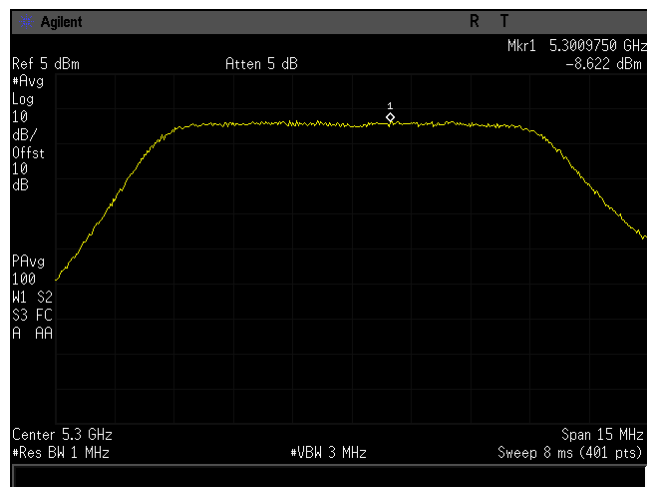
Table 16. Power Spectral Density, UNII 2A, 22 dBi, 2x2, Test Results



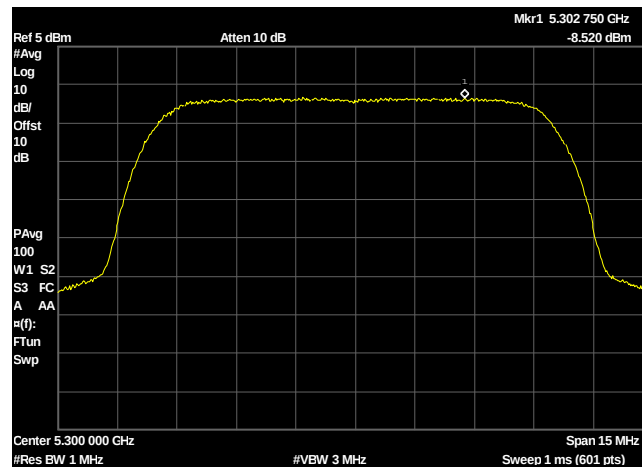
Plot 367. Power Spectral Density, UNII 2A, BW 10M, Ch 5255M, 2x2 22dBi c0



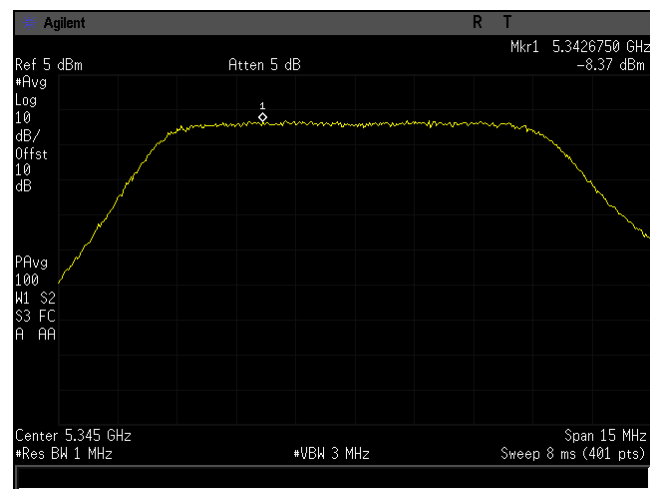
Plot 368. Power Spectral Density, UNII 2A, BW 10M, Ch 5255M, 2x2 22dBi c1



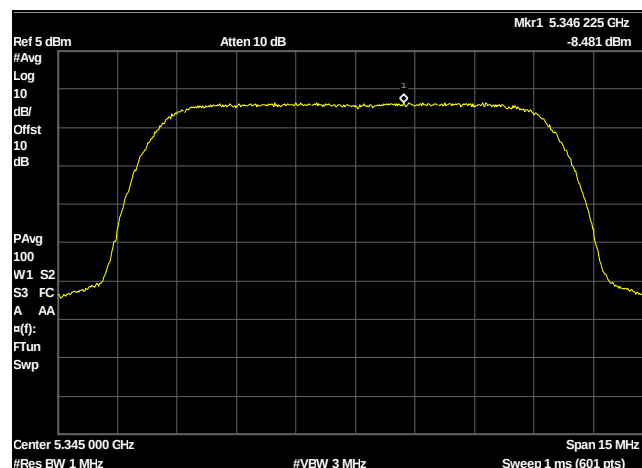
Plot 369. Power Spectral Density, UNII 2A, BW 10M, Ch 5300M, 2x2 22dBi c0



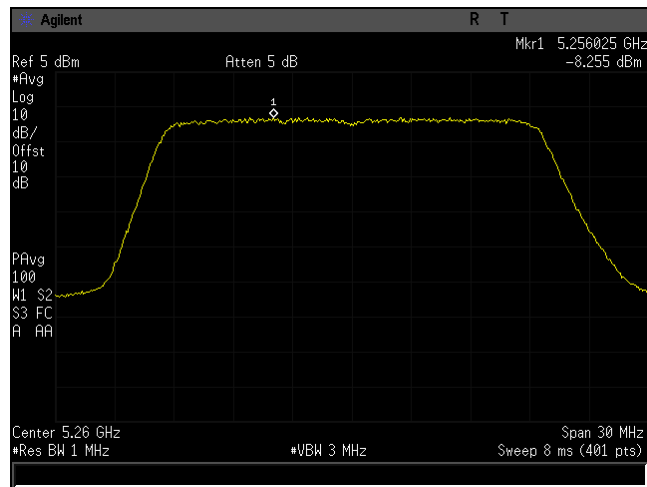
Plot 370. Power Spectral Density, UNII 2A, BW 10M, Ch 5300M, 2x2 22dBi c1



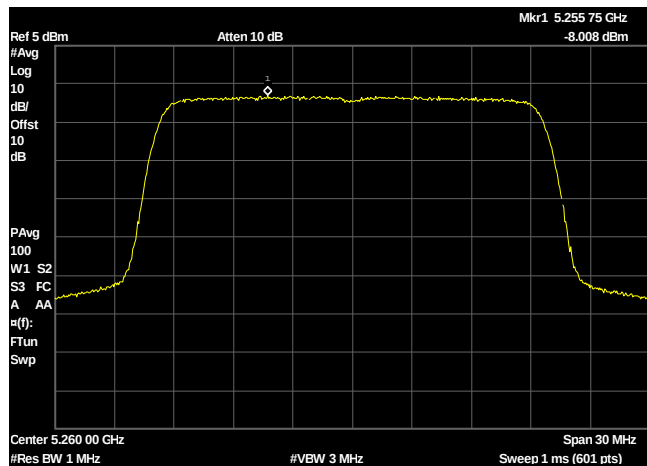
Plot 371. Power Spectral Density, UNII 2A, BW 10M, Ch 5345M, 2x2 22dBi c0



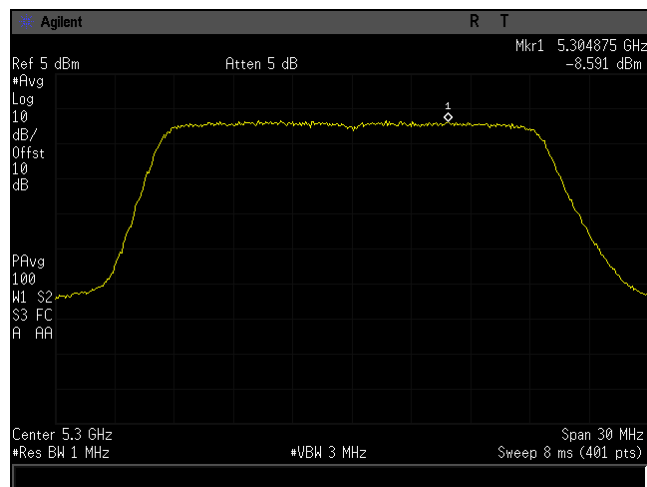
Plot 372. Power Spectral Density, UNII 2A, BW 10M, Ch 5345M, 2x2 22dBi c1



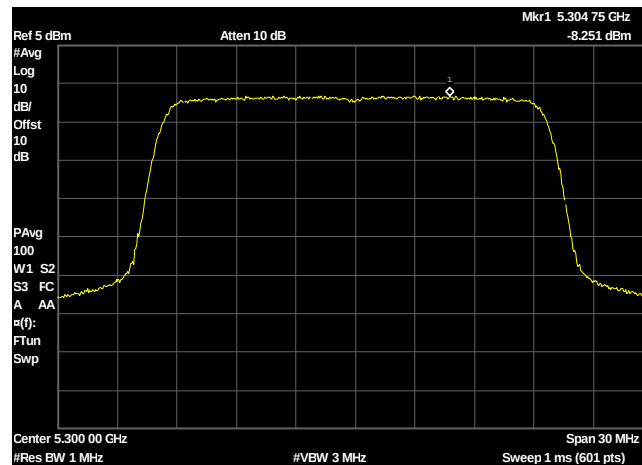
Plot 373. Power Spectral Density, UNII 2A, BW 20M, Ch 5260M, 2x2 22dBi c0



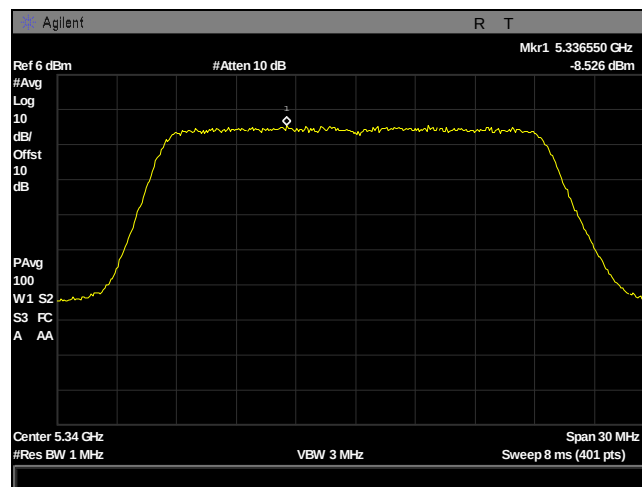
Plot 374. Power Spectral Density, UNII 2A, BW 20M, Ch 5260M, 2x2 22dBi c1



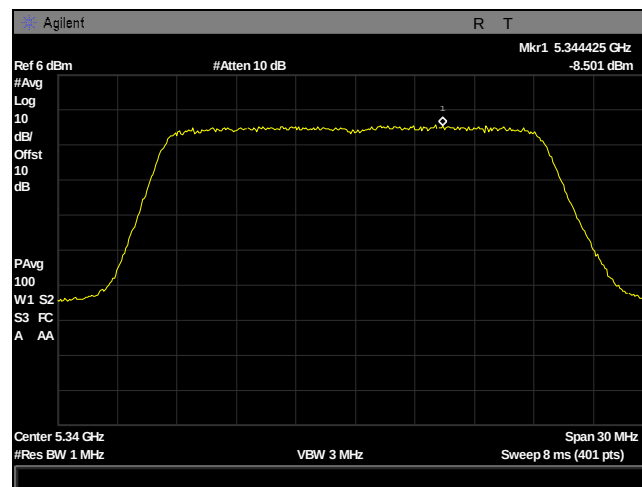
Plot 375. Power Spectral Density, UNII 2A, BW 20M, Ch 5300M, 2x2 22dBi c0



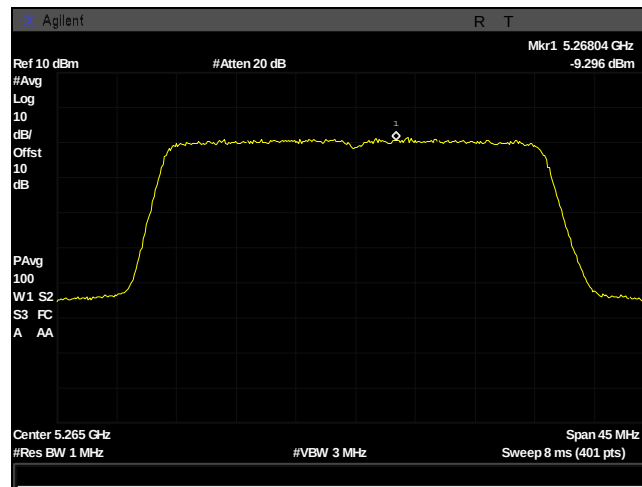
Plot 376. Power Spectral Density, UNII 2A, BW 20M, Ch 5300M, 2x2 22dBi c1



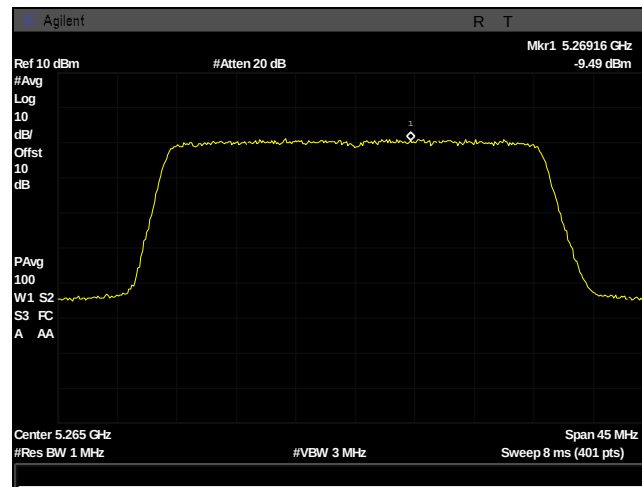
Plot 377. Power Spectral Density, UNII 2A, BW 20M, Ch 5340M, 2x2 22dBi c0



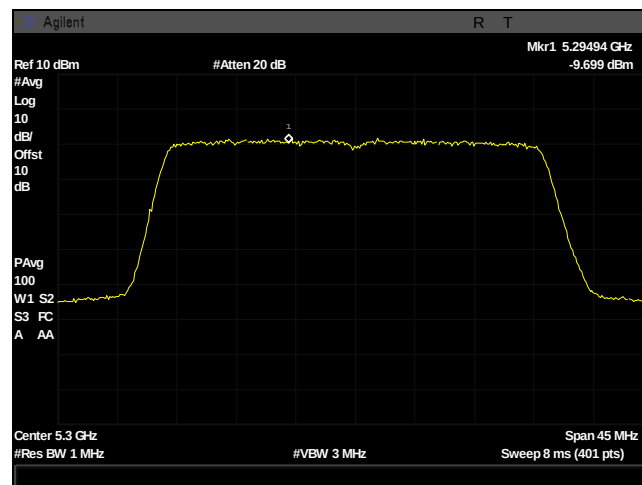
Plot 378. Power Spectral Density, UNII 2A, BW 20M, Ch 5340M, 2x2 22dBi c1



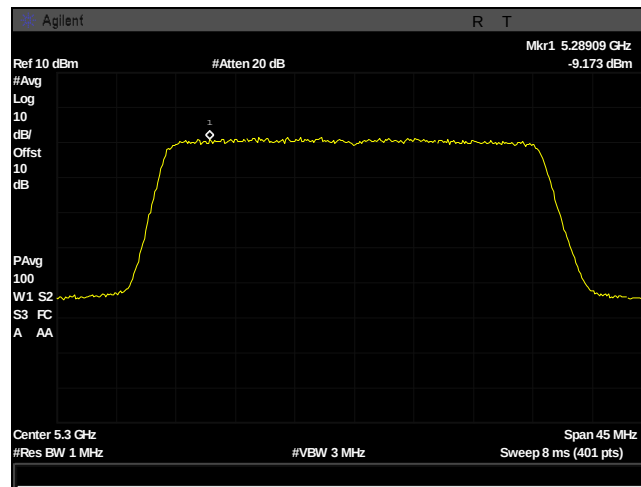
Plot 379. Power Spectral Density, UNII 2A, BW 30M, Ch 5265, 2x2 22dBi c0



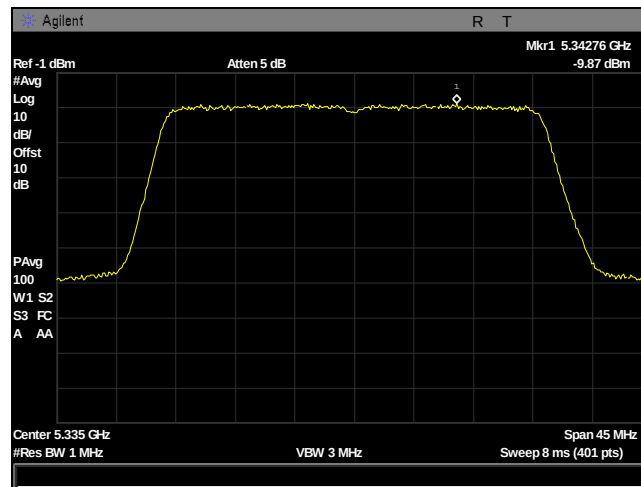
Plot 380. Power Spectral Density, UNII 2A, BW 30M, Ch 5265, 2x2 22dBi c1



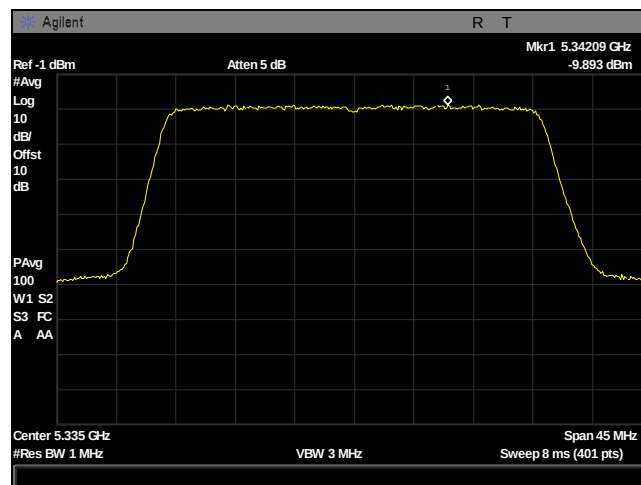
Plot 381. Power Spectral Density, UNII 2A, BW 30M, Ch 5300, 2x2 22dBi c0



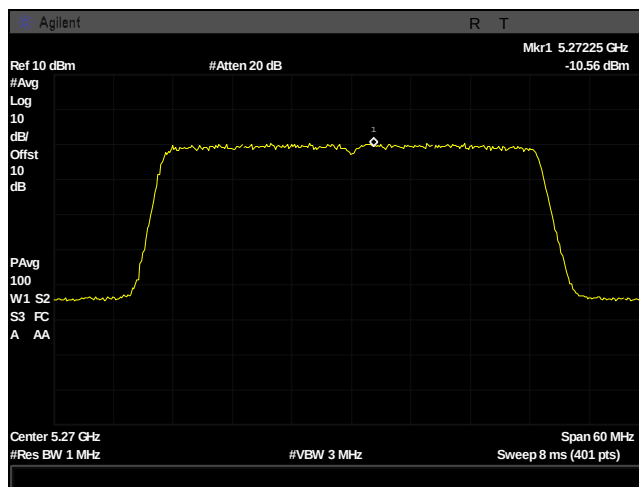
Plot 382. Power Spectral Density, UNII 2A, BW 30M, Ch 5300, 2x2 22dBi c1



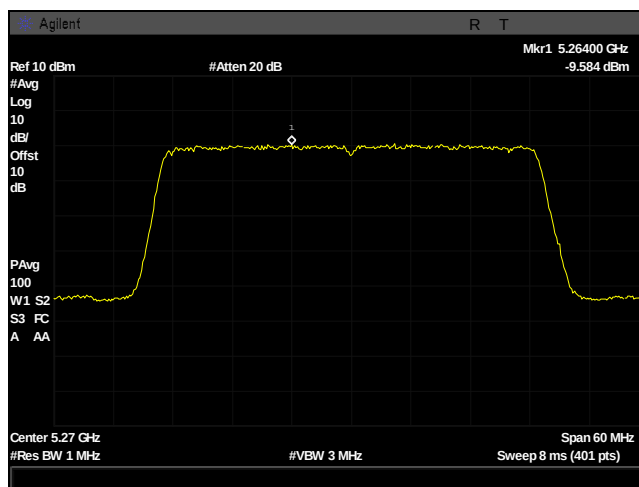
Plot 383. Power Spectral Density, UNII 2A, BW 30M, Ch 5335M, 2x2 22dBi c0



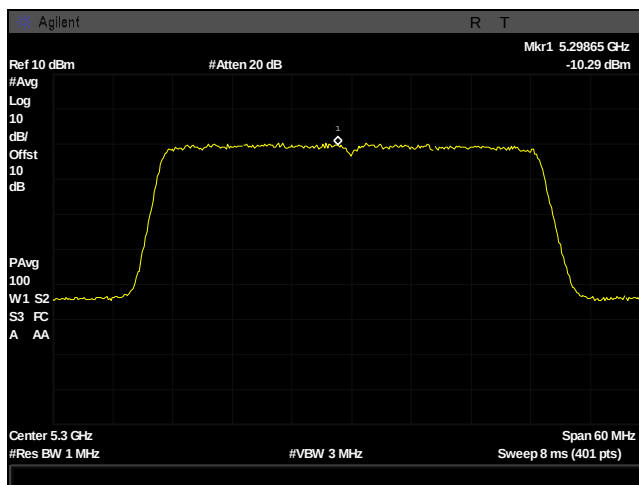
Plot 384. Power Spectral Density, UNII 2A, BW 30M, Ch 5335M, 2x2 22dBi c1



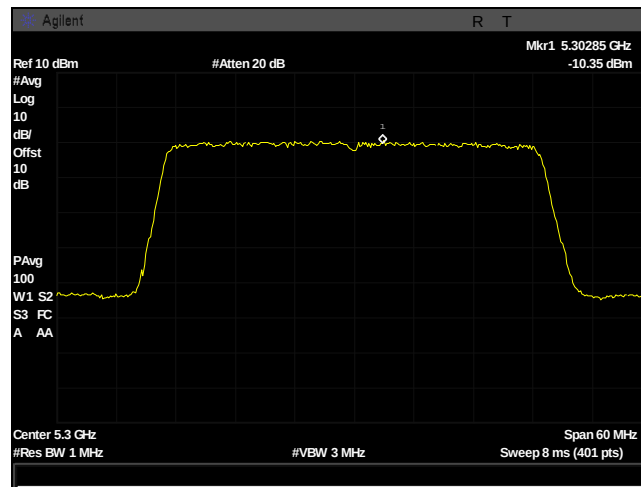
Plot 385. Power Spectral Density, UNII 2A, BW 40M, Ch 5270, 2x2 22dBi c0



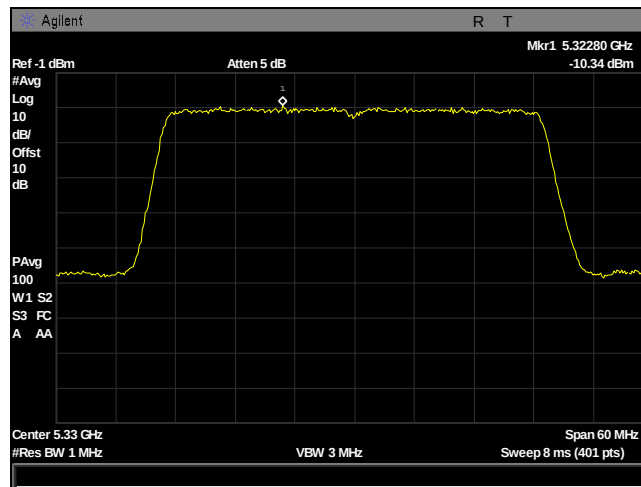
Plot 386. Power Spectral Density, UNII 2A, BW 40M, Ch 5270, 2x2 22dBi c1



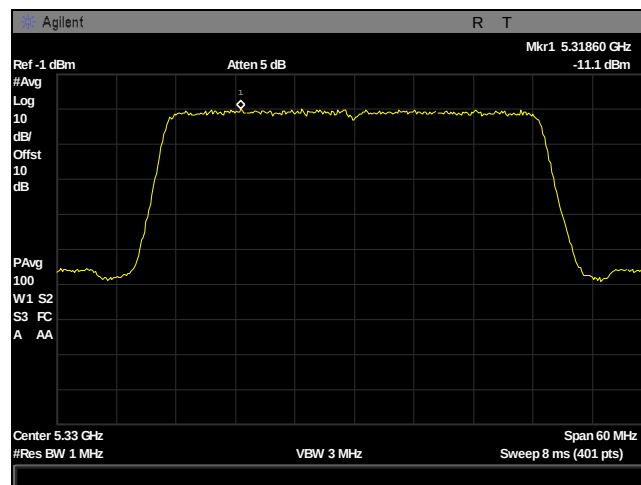
Plot 387. Power Spectral Density, UNII 2A, BW 40M, Ch 5300, 2x2 22dBi c0



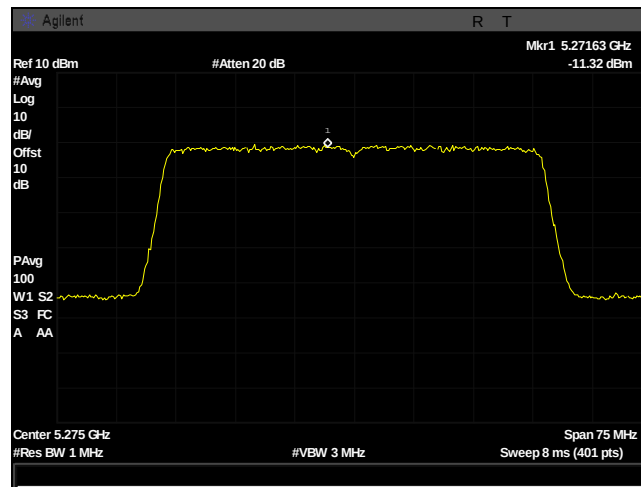
Plot 388. Power Spectral Density, UNII 2A, BW 40M, Ch 5300, 2x2 22dBi c1



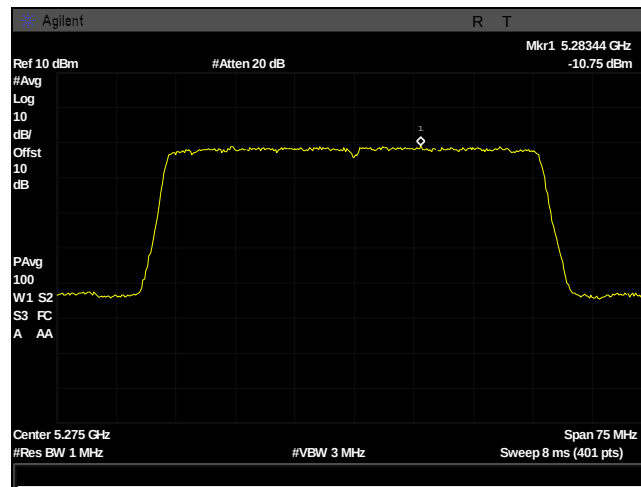
Plot 389. Power Spectral Density, UNII 2A, BW 40M, Ch 5330M, 2x2 22dBi c0



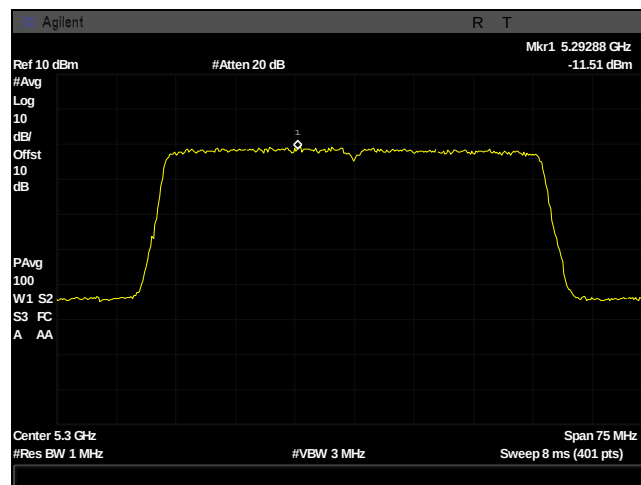
Plot 390. Power Spectral Density, UNII 2A, BW 40M, Ch 5330M, 2x2 22dBi c1



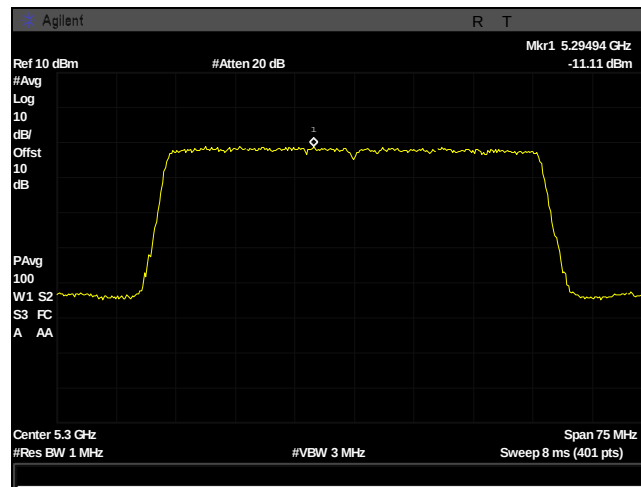
Plot 391. Power Spectral Density, UNII 2A, BW 50M, Ch 5275, 2x2 22dBi c0



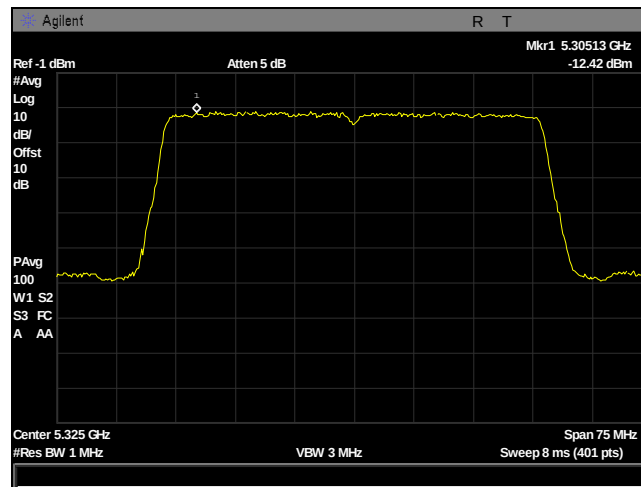
Plot 392. Power Spectral Density, UNII 2A, BW 50M, Ch 5275, 2x2 22dBi c1



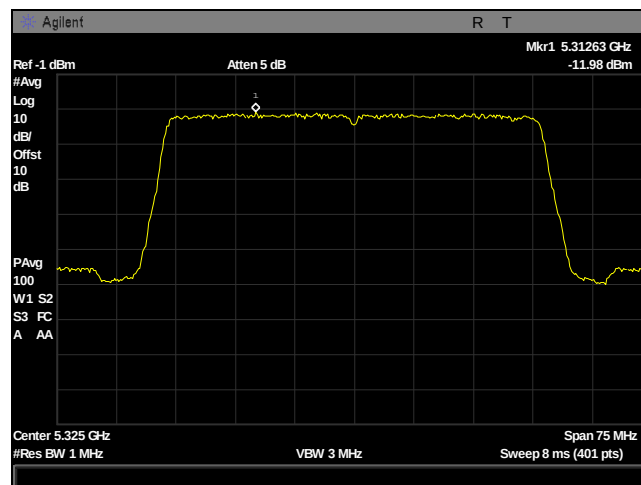
Plot 393. Power Spectral Density, UNII 2A, BW 50M, Ch 5300, 2x2 22dBi c0



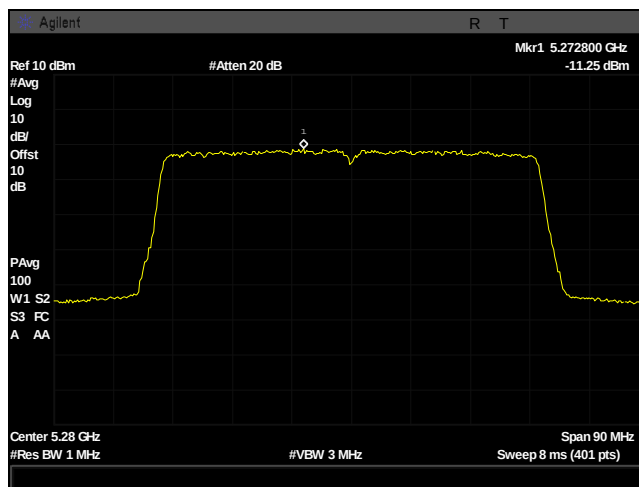
Plot 394. Power Spectral Density, UNII 2A, BW 50M, Ch 5300, 2x2 22dBi c1



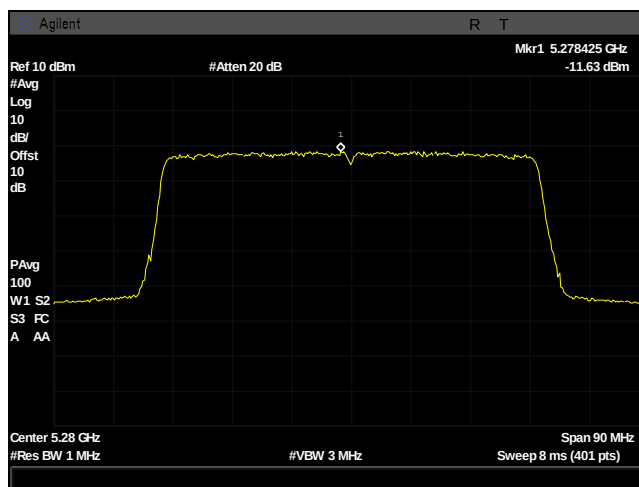
Plot 395. Power Spectral Density, UNII 2A, BW 50M, Ch 5325M, 2x2 22dBi c0



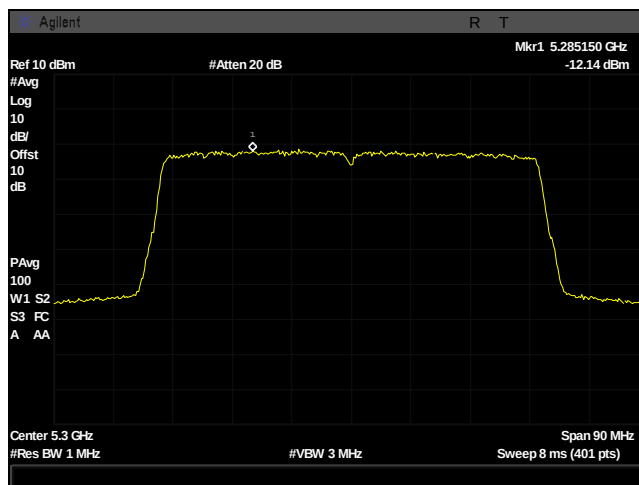
Plot 396. Power Spectral Density, UNII 2A, BW 50M, Ch 5325M, 2x2 22dBi c1



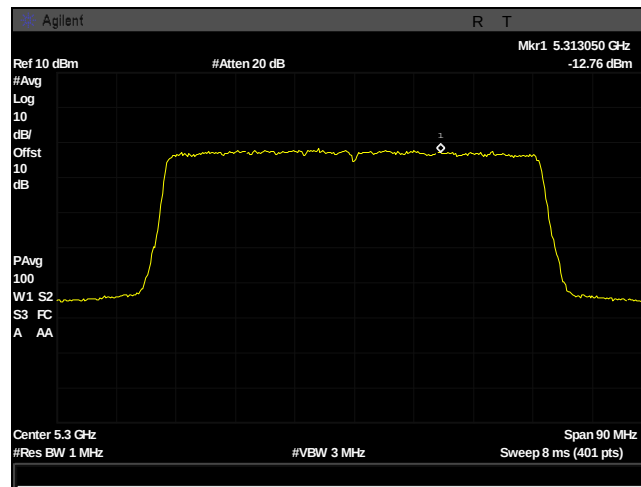
Plot 397. Power Spectral Density, UNII 2A, BW 60M, Ch 5280, 2x2 22dBi c0



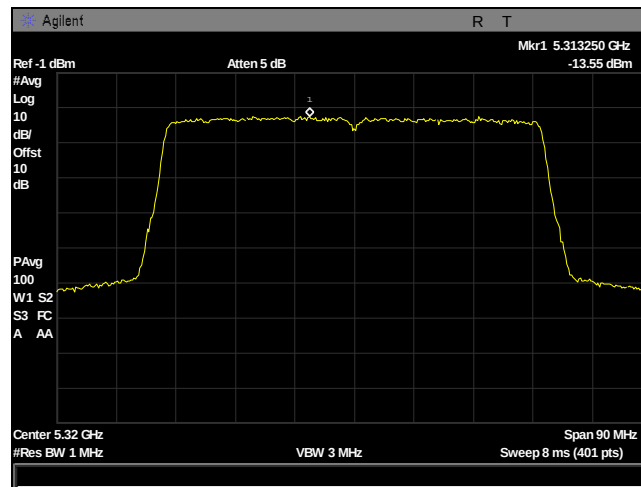
Plot 398. Power Spectral Density, UNII 2A, BW 60M, Ch 5280, 2x2 22dBi c1



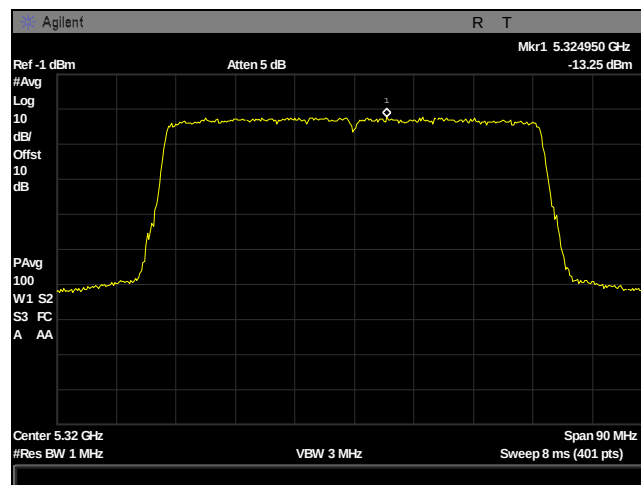
Plot 399. Power Spectral Density, UNII 2A, BW 60M, Ch 5300, 2x2 22dBi c0



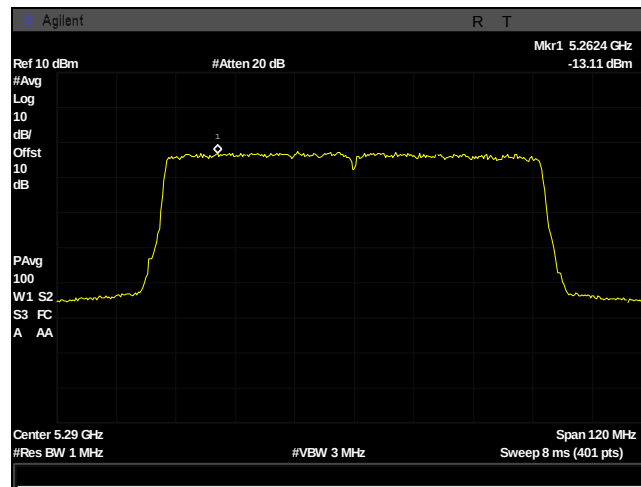
Plot 400. Power Spectral Density, UNII 2A, BW 60M, Ch 5300, 2x2 22dBi c1



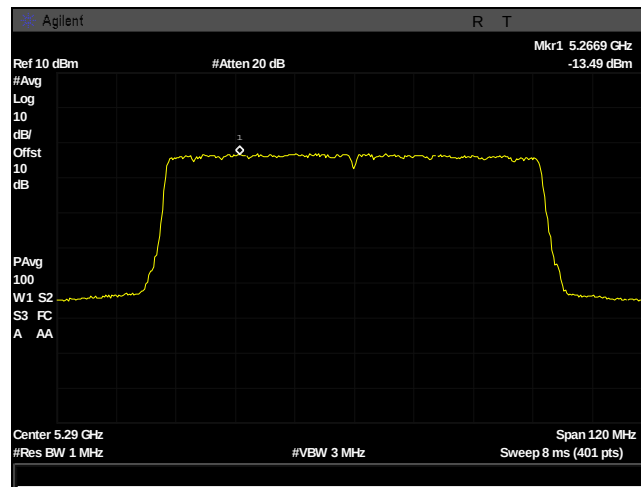
Plot 401. Power Spectral Density, UNII 2A, BW 60M, Ch 5320M, 2x2 22dBi c0



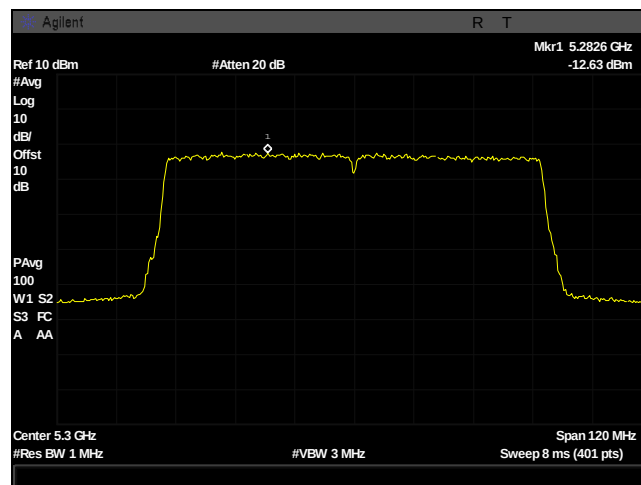
Plot 402. Power Spectral Density, UNII 2A, BW 60M, Ch 5320M, 2x2 22dBi c1



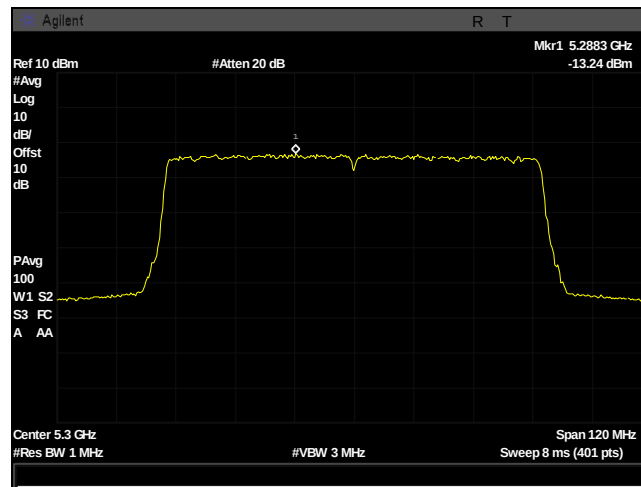
Plot 403. Power Spectral Density, UNII 2A, BW 80M, Ch 5290, 2x2 22dBi c0



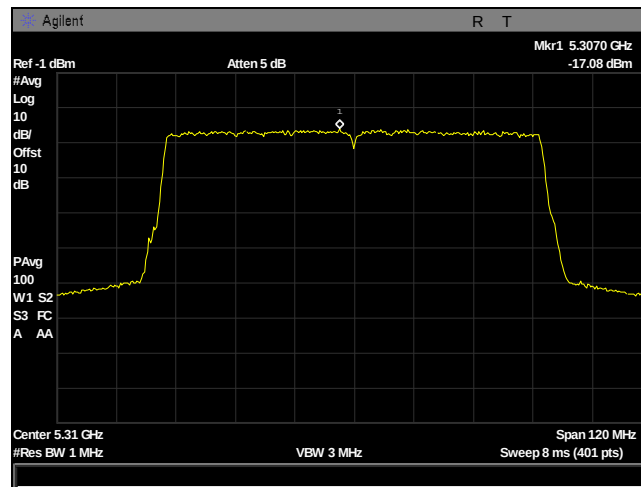
Plot 404. Power Spectral Density, UNII 2A, BW 80M, Ch 5290, 2x2 22dBi c1



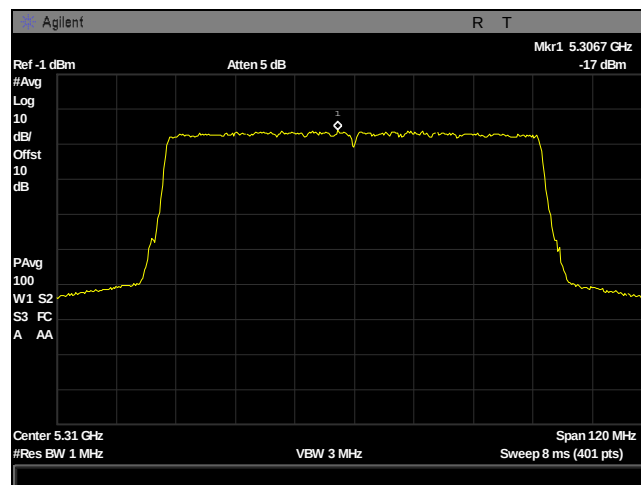
Plot 405. Power Spectral Density, UNII 2A, BW 80M, Ch 5300, 2x2 22dBi c0



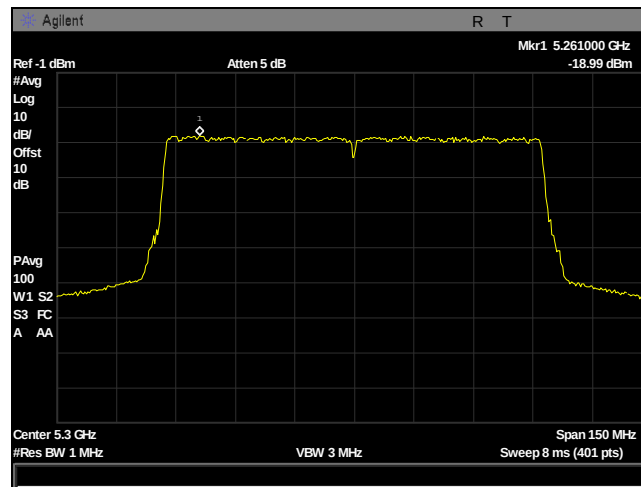
Plot 406. Power Spectral Density, UNII 2A, BW 80M, Ch 5300, 2x2 22dBi c1



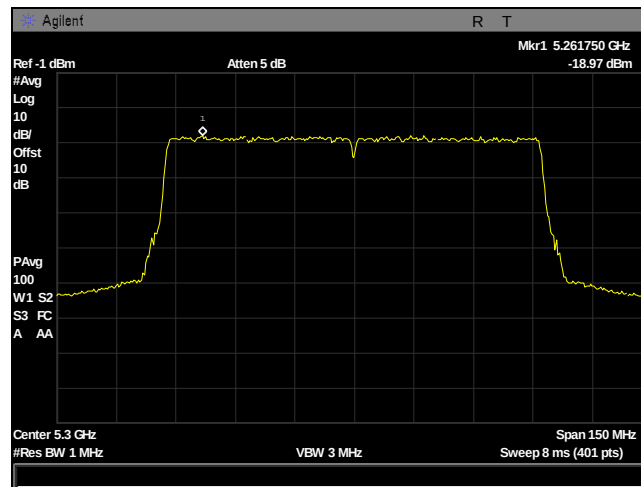
Plot 407. Power Spectral Density, UNII 2A, BW 80M, Ch 5310M, 2x2 22dBi c0



Plot 408. Power Spectral Density, UNII 2A, BW 80M, Ch 5310M, 2x2 22dBi c1



Plot 409. Power Spectral Density, UNII 2A, BW 100M, Ch 5300M, 2x2 22dBi c0

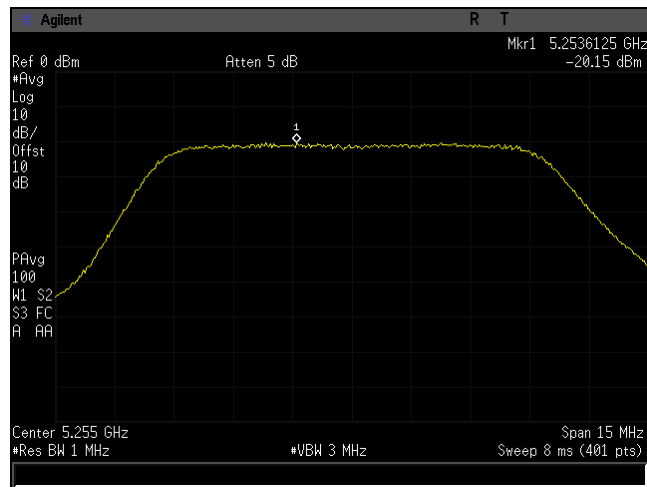


Plot 410. Power Spectral Density, UNII 2A, BW 100M, Ch 5300M, 2x2 22dBi c1

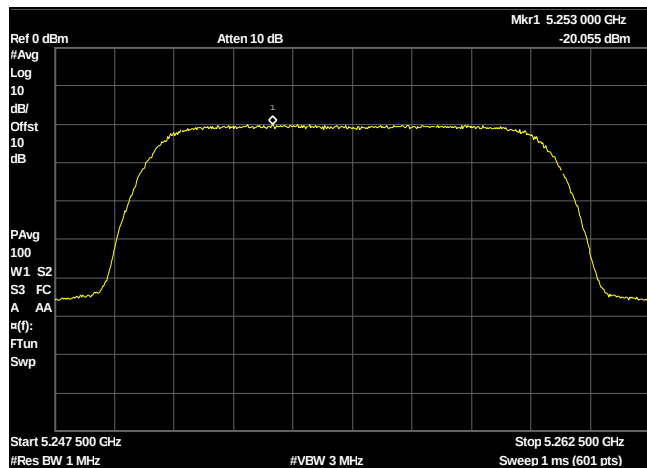
Power Spectral Density, UNII 2A, 34 dBi

Channel BW (MHz)	Frequency (MHz)	Chain 0 (dBm)	Chain 1 (dBm)	Sum (dBm)	Limit (dBm)	Directional Gain (dBi)	Final Limit (dBm)	Margin (dB)
10	5255	-20.15	-20.055	-17.091	11	34	-17	-0.091
	5300	-20.08	-20.55	-17.298	11	34	-17	-0.298
	5345	-20.23	-20.05	-17.128	11	34	-17	-0.128
20	5260	-20.02	-20.033	-17.016	11	34	-17	-0.016
	5300	-20.29	-20.148	-17.208	11	34	-17	-0.208
	5340	-19.82	-20.314	-17.049	11	34	-17	-0.049
30	5265	-20.596	-20.619	-17.597	11	34	-17	-0.597
	5300	-20.691	-20.698	-17.684	11	34	-17	-0.684
	5335	-20.66	-21.22	-17.92	11	34	-17	-0.92
40	5270	-21.2	-21.22	-18.199	11	34	-17	-1.199
	5300	-21.33	-21.7	-18.5	11	34	-17	-1.5
	5330	-28.97	-28.91	-25.929	11	34	-17	-8.929
50	5275	-22.749	-22.866	-19.796	11	34	-17	-2.796
	5300	-22.904	-22.829	-19.856	11	34	-17	-2.856
	5325	-27.43	-27.11	-24.256	11	34	-17	-7.256
60	5280	-23.771	-23.65	-20.699	11	34	-17	-3.699
	5300	-23.733	-23.872	-20.791	11	34	-17	-3.791
	5320	-29.69	-30.21	-26.931	11	34	-17	-9.931
80	5290	-24.828	-25.019	-21.912	11	34	-17	-4.912
	5300	-24.781	-24.698	-21.729	11	34	-17	-4.729
	5310	-30.25	-30.56	-27.391	11	34	-17	-10.391
100	5300	-32.66	-33.09	-29.859	11	34	-17	-12.859

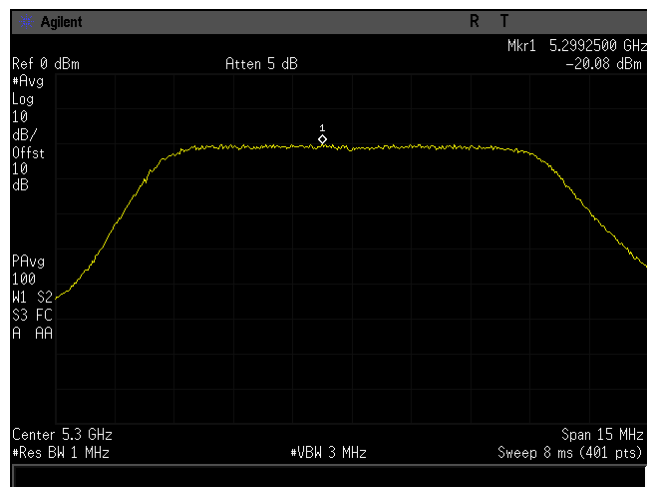
Table 17. Power Spectral Density, UNII 2A, 34 dBi, 2x2, Test Results



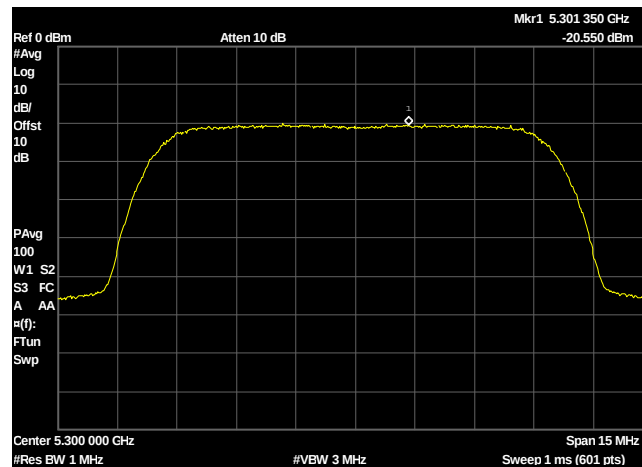
Plot 411. Power Spectral Density, UNII 2A, BW 10M, Ch 5255M, 2x2 34dBi c0



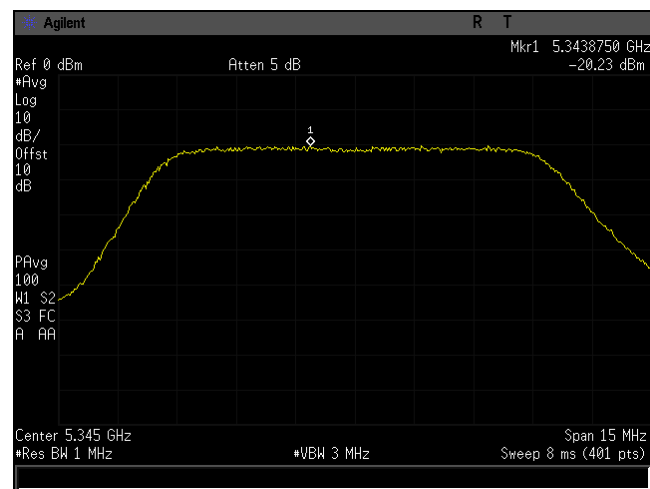
Plot 412. Power Spectral Density, UNII 2A, BW 10M, Ch 5255M, 2x2 34dBi c1



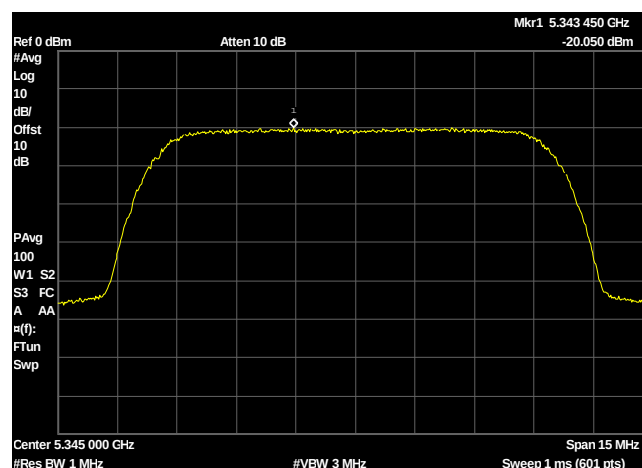
Plot 413. Power Spectral Density, UNII 2A, BW 10M, Ch 5300M, 2x2 34dBi c0



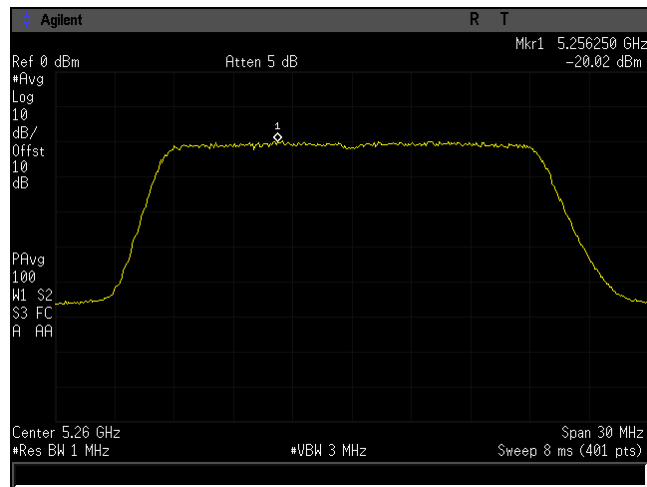
Plot 414. Power Spectral Density, UNII 2A, BW 10M, Ch 5300M, 2x2 34dBi c1



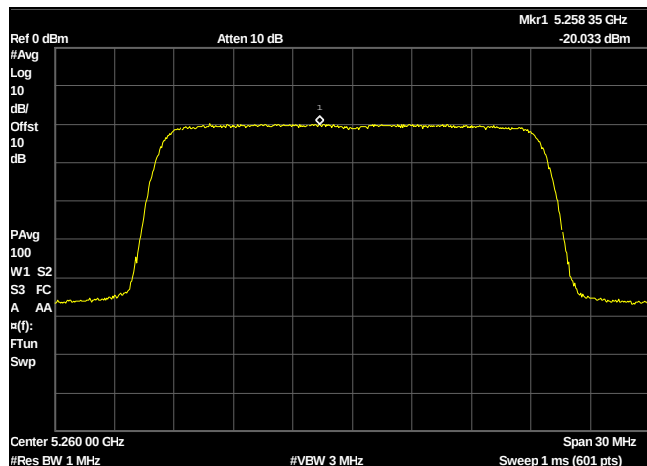
Plot 415. Power Spectral Density, UNII 2A, BW 10M, Ch 5345M, 2x2 34dBi c0



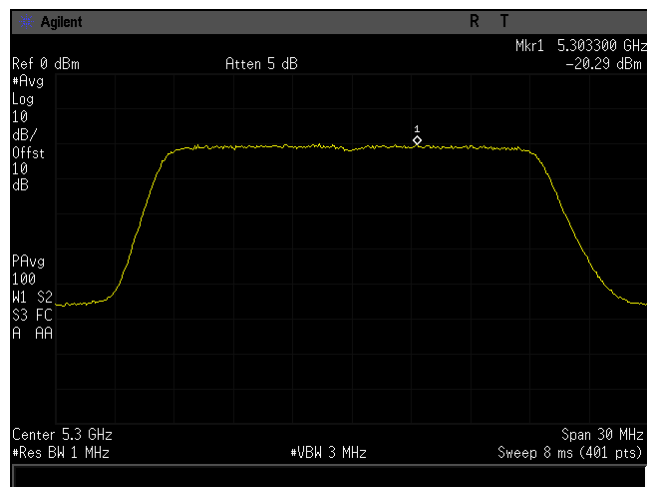
Plot 416. Power Spectral Density, UNII 2A, BW 10M, Ch 5345M, 2x2 34dBi c1



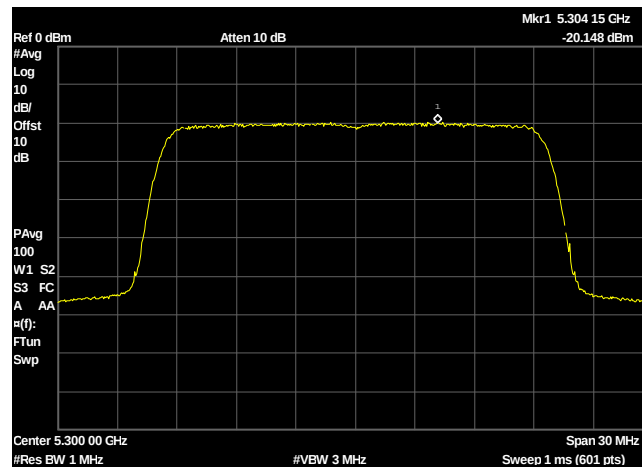
Plot 417. Power Spectral Density, UNII 2A, BW 20M, Ch 5260M, 2x2 34dBi c0



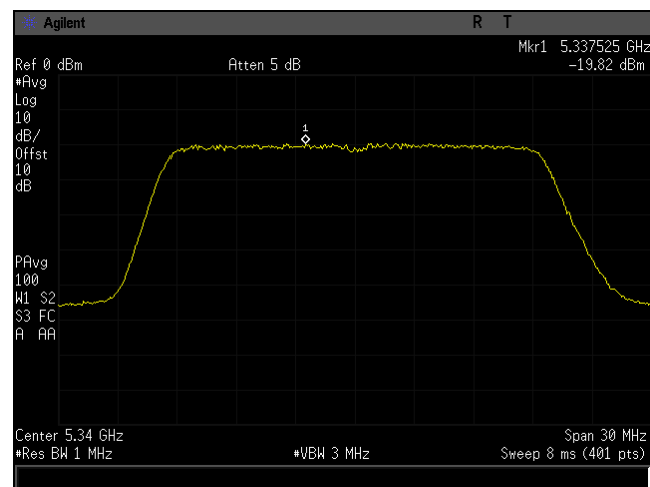
Plot 418. Power Spectral Density, UNII 2A, BW 20M, Ch 5260M, 2x2 34dBi c1



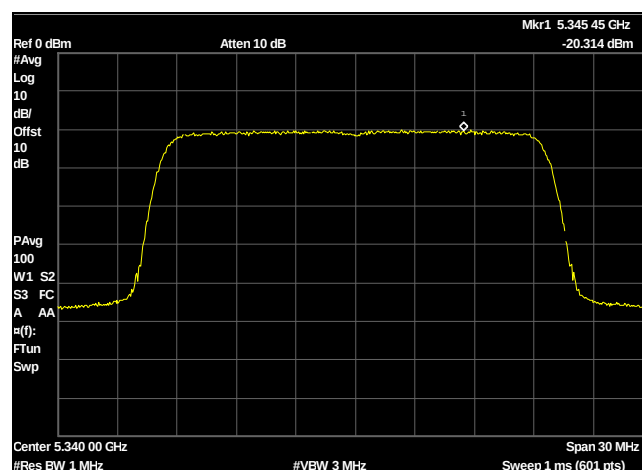
Plot 419. Power Spectral Density, UNII 2A, BW 20M, Ch 5300M, 2x2 34dBi c0



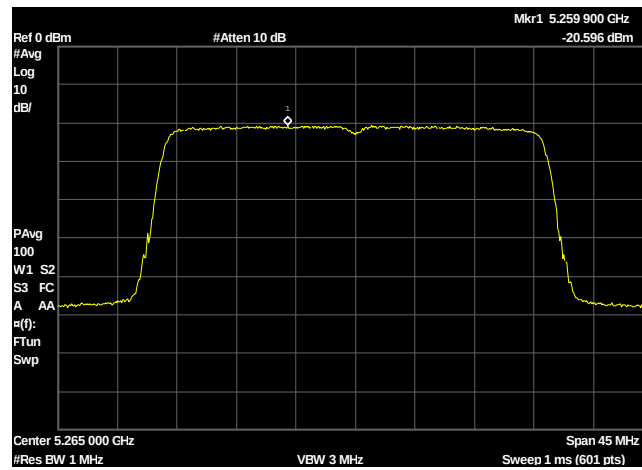
Plot 420. Power Spectral Density, UNII 2A, BW 20M, Ch 5300M, 2x2 34dBi c1



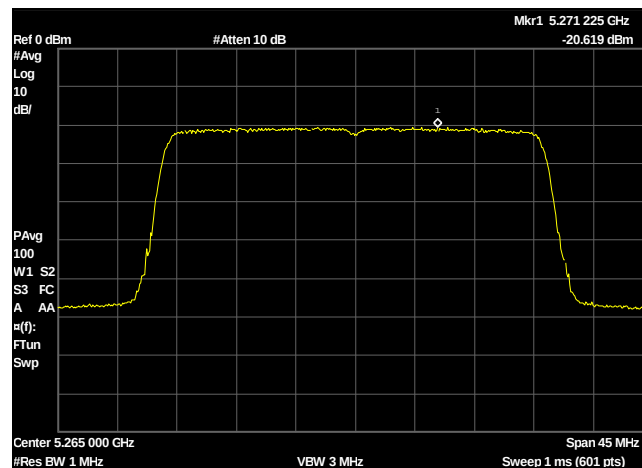
Plot 421. Power Spectral Density, UNII 2A, BW 20M, Ch 5340M, 2x2 34dBi c0



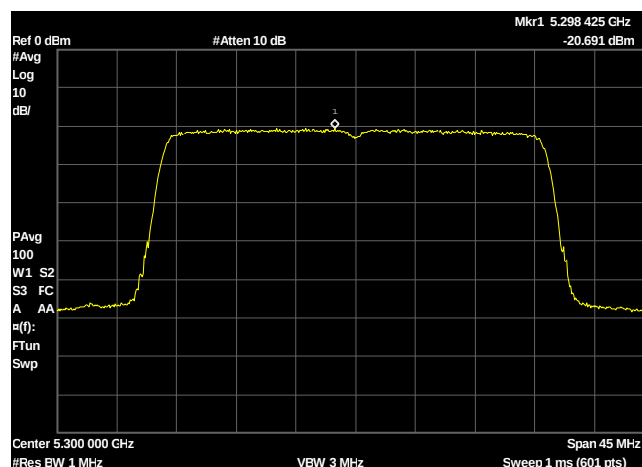
Plot 422. Power Spectral Density, UNII 2A, BW 20M, Ch 5340M, 2x2 34dBi c1



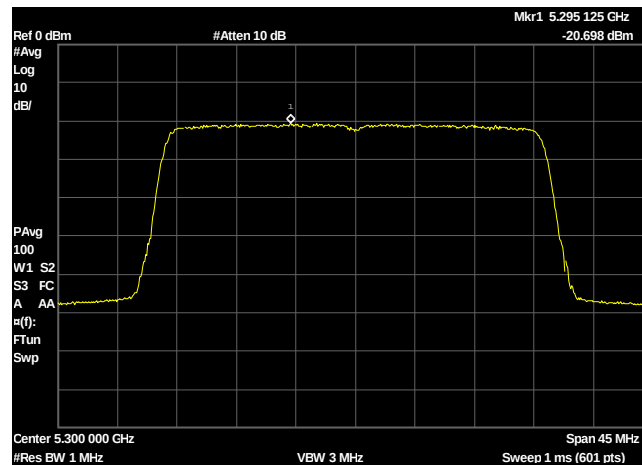
Plot 423. Power Spectral Density, UNII 2A, BW 30M, Ch 5265M, 2x2 34dBi c0



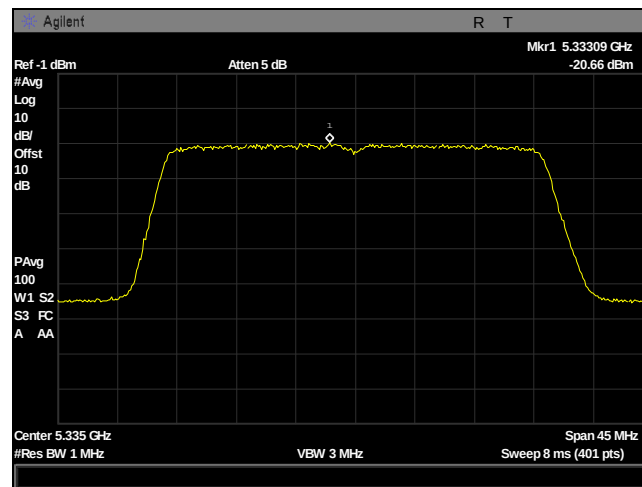
Plot 424. Power Spectral Density, UNII 2A, BW 30M, Ch 5265M, 2x2 34dBi c1



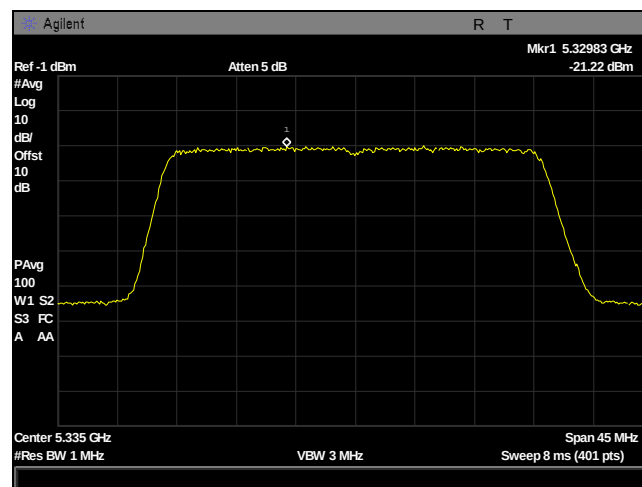
Plot 425. Power Spectral Density, UNII 2A, BW 30M, Ch 5300M, 2x2 34dBi c0



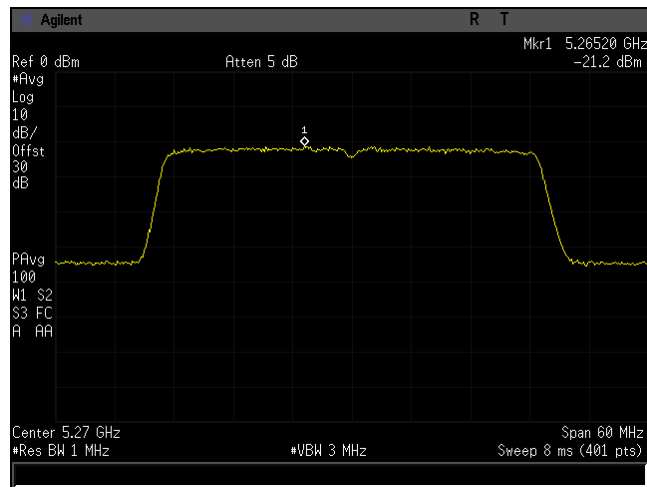
Plot 426. Power Spectral Density, UNII 2A, BW 30M, Ch 5300M, 2x2 34dB c1



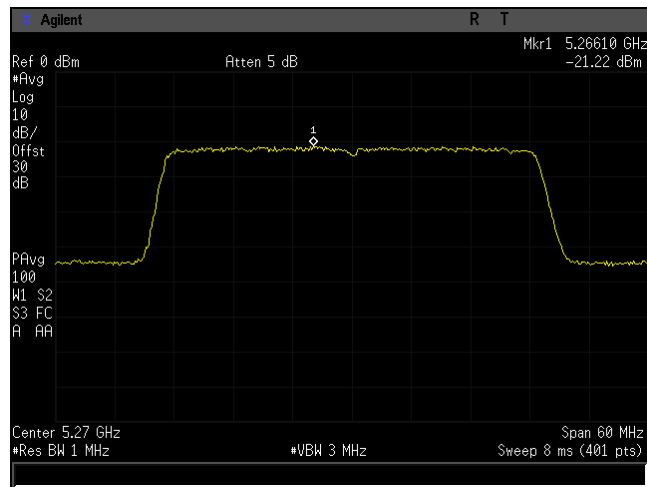
Plot 427. Power Spectral Density, UNII 2A, BW 30M, Ch 5335M, 2x2 34dB c0



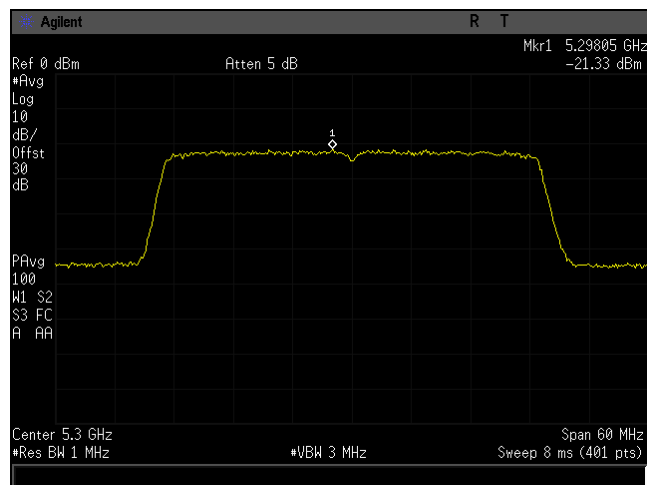
Plot 428. Power Spectral Density, UNII 2A, BW 30M, Ch 5335M, 2x2 34dB c1



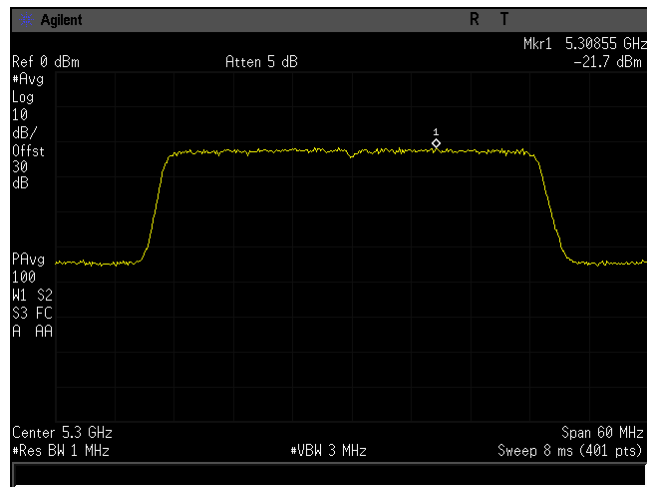
Plot 429. Power Spectral Density, UNII 2A, BW 40M, Ch 5270M, 2x2 34dB c0



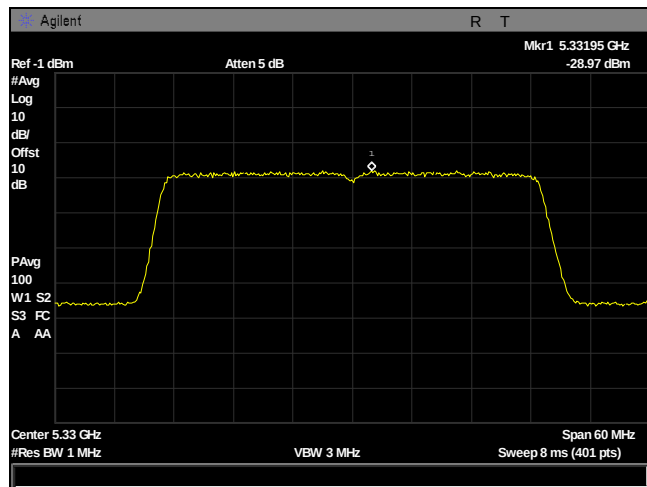
Plot 430. Power Spectral Density, UNII 2A, BW 40M, Ch 5270M, 2x2 34dB c1



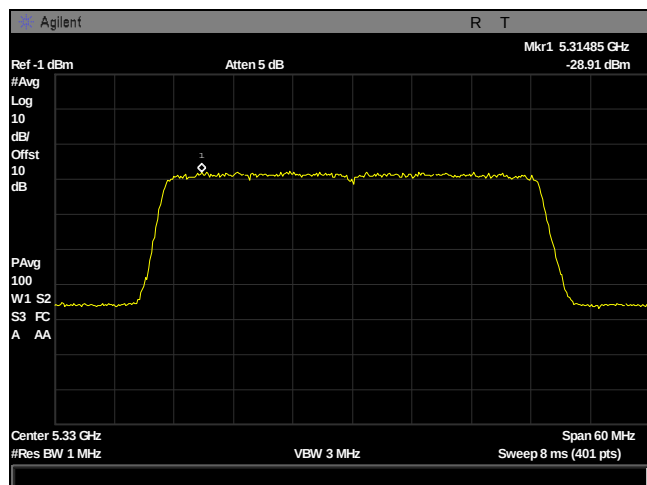
Plot 431. Power Spectral Density, UNII 2A, BW 40M, Ch 5300M, 2x2 34dB c0



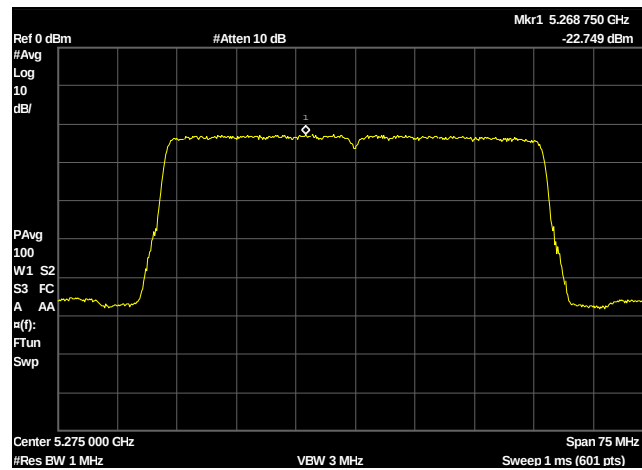
Plot 432. Power Spectral Density, UNII 2A, BW 40M, Ch 5300M, 2x2 34dBi c1



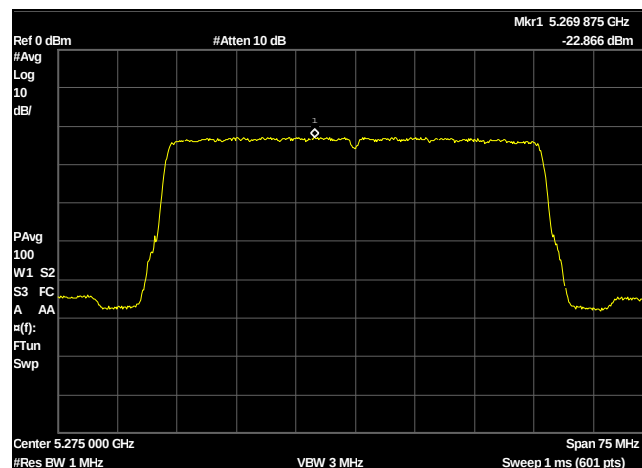
Plot 433. Power Spectral Density, UNII 2A, BW 40M, Ch 5330M, 2x2 34dBi c0



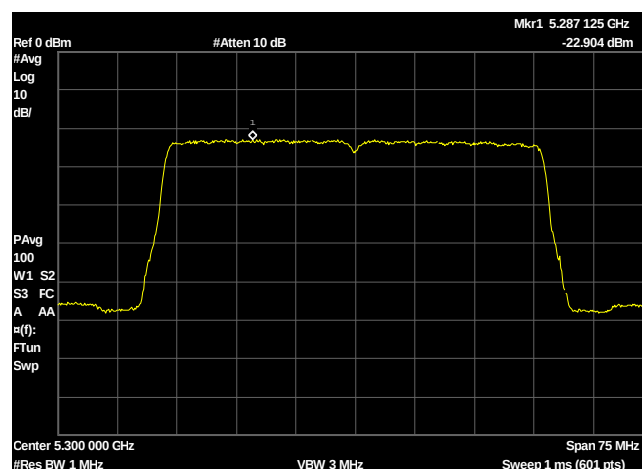
Plot 434. Power Spectral Density, UNII 2A, BW 40M, Ch 5330M, 2x2 34dBi c1



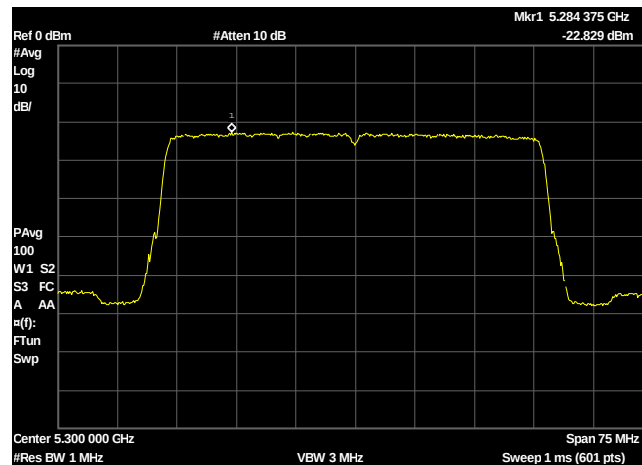
Plot 435. Power Spectral Density, UNII 2A, BW 50M, Ch 5275M, 2x2 34dB c0



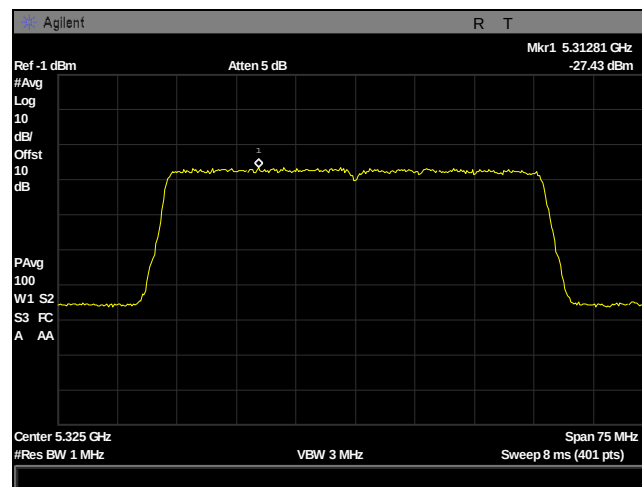
Plot 436. Power Spectral Density, UNII 2A, BW 50M, Ch 5275M, 2x2 34dBic1



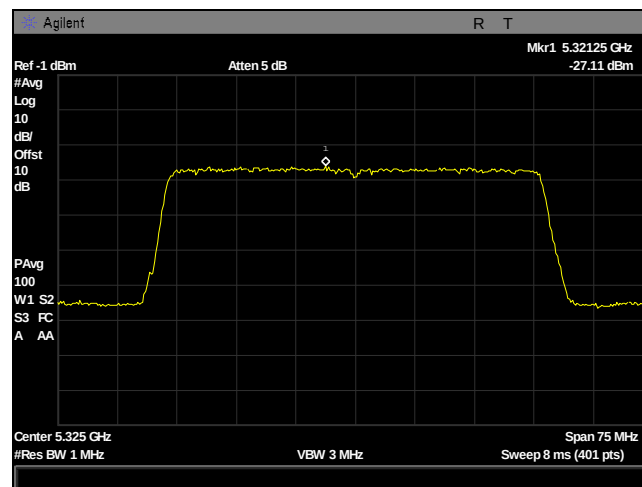
Plot 437. Power Spectral Density, UNII 2A, BW 50M, Ch 5300M, 2x2 34dB c0



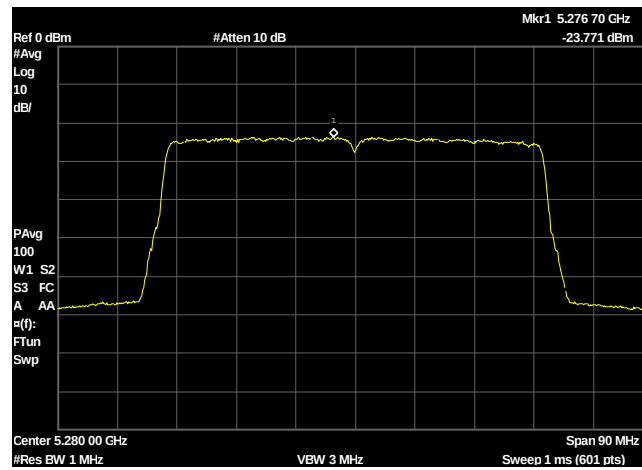
Plot 438. Power Spectral Density, UNII 2A, BW 50M, Ch 5300M, 2x2 34dBi c1



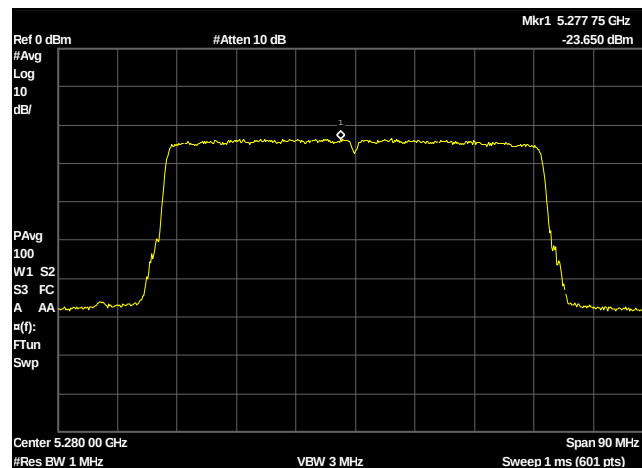
Plot 439. Power Spectral Density, UNII 2A, BW 50M, Ch 5325M, 2x2 34dBi c0



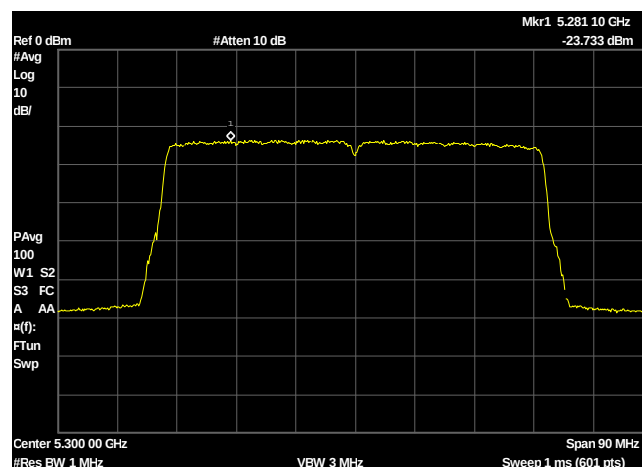
Plot 440. Power Spectral Density, UNII 2A, BW 50M, Ch 5325M, 2x2 34dBi c1



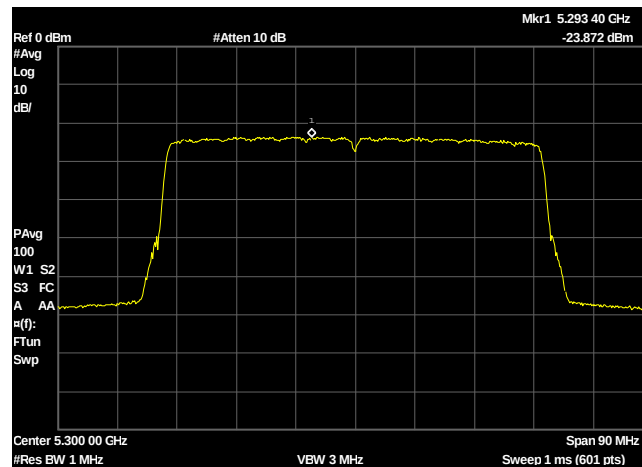
Plot 441. Power Spectral Density, UNII 2A, BW 60M, Ch 5280M, 2x2 34dBi c0



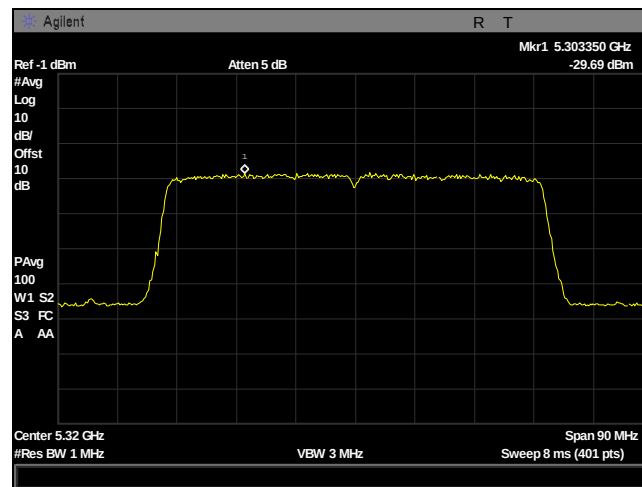
Plot 442. Power Spectral Density, UNII 2A, BW 60M, Ch 5280M, 2x2 34dBi c1



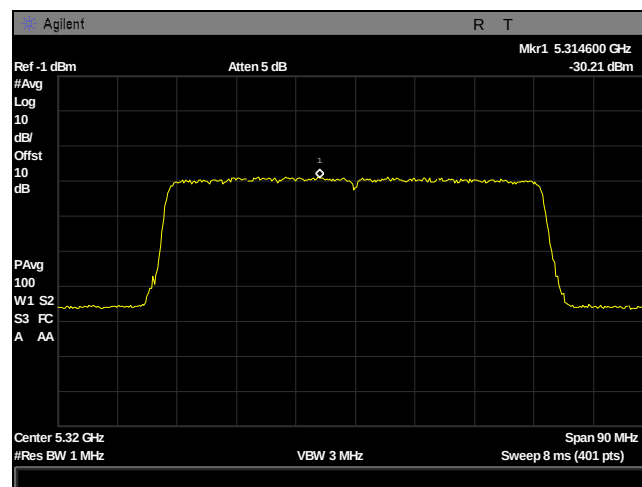
Plot 443. Power Spectral Density, UNII 2A, BW 60M, Ch 5300M, 2x2 34dBi c0



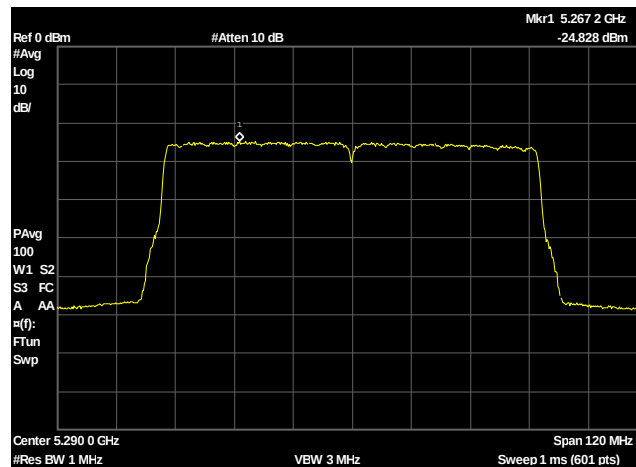
Plot 444. Power Spectral Density, UNII 2A, BW 60M, Ch 5300M, 2x2 34dBi c1



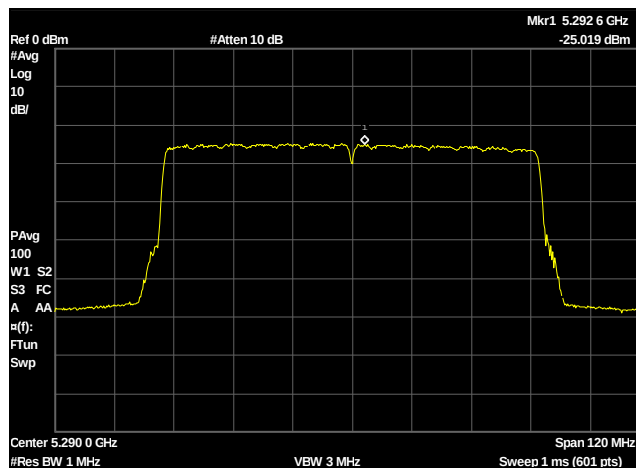
Plot 445. Power Spectral Density, UNII 2A, BW 60M, Ch 5320M, 2x2 34dBi c0



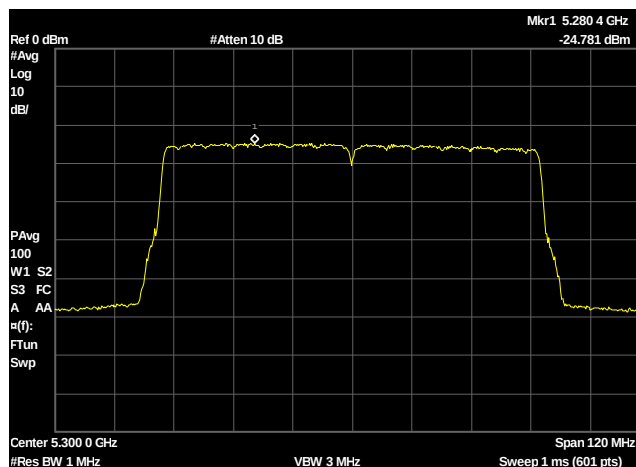
Plot 446. Power Spectral Density, UNII 2A, BW 60M, Ch 5320M, 2x2 34dBi c1



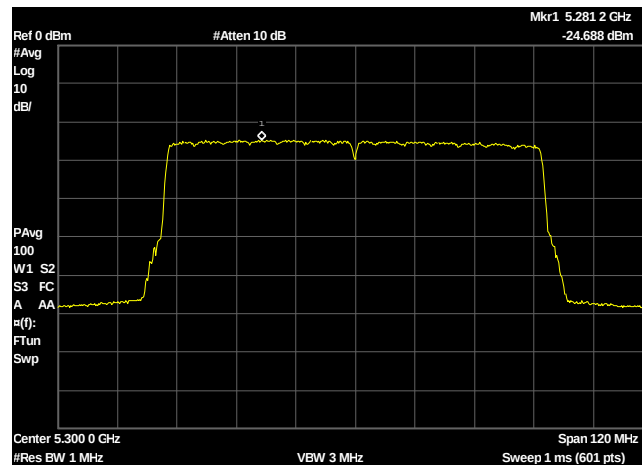
Plot 447. Power Spectral Density, UNII 2A, BW 80M, Ch 5290M, 2x2 34dB c0



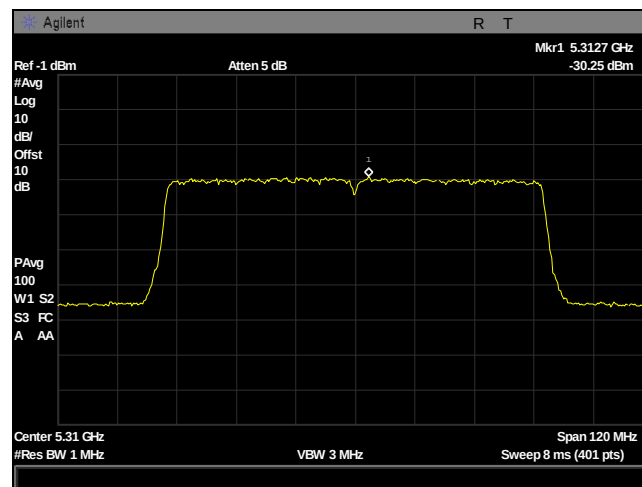
Plot 448. Power Spectral Density, UNII 2A, BW 80M, Ch 5290M, 2x2 34dB c1



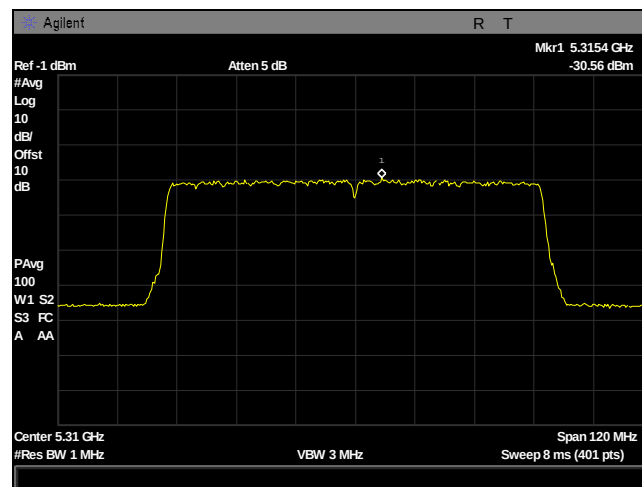
Plot 449. Power Spectral Density, UNII 2A, BW 80M, Ch 5300M, 2x2 34dB c0



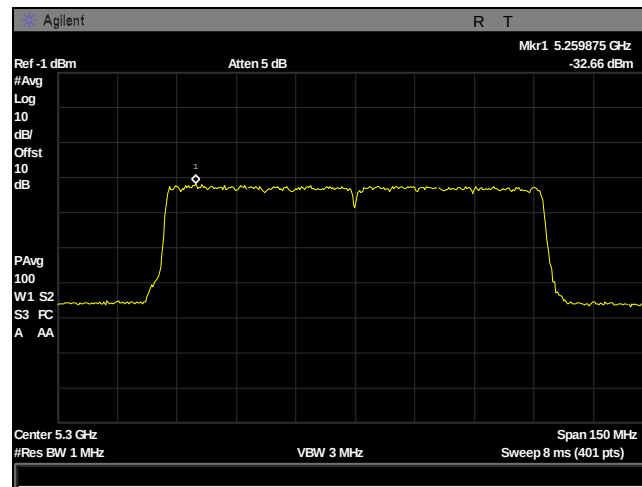
Plot 450. Power Spectral Density, UNII 2A, BW 80M, Ch 5300M, 2x2 34dBi c1



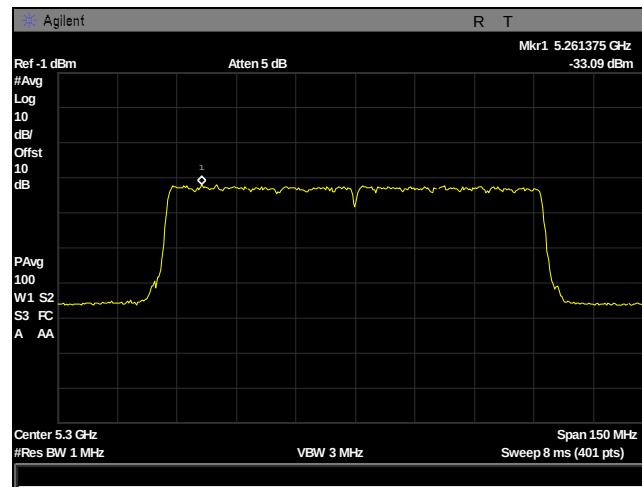
Plot 451. Power Spectral Density, UNII 2A, BW 80M, Ch 5310M, 2x2 34dBi c0



Plot 452. Power Spectral Density, UNII 2A, BW 80M, Ch 5310M, 2x2 34dBi c1



Plot 453. Power Spectral Density, UNII 2A, BW 100M, Ch 5300M, 2x2 34dBi c0



Plot 454. Power Spectral Density, UNII 2A, BW 100M, Ch 5300M, 2x2 34dBi c1

Power Spectral Density, UNII 2C, 13 dBi

Channel BW (MHz)	Frequency (MHz)	Chain 0 (dBm)	Chain 1 (dBm)	Sum (dBm)	Limit (dBm)	Directional Gain (dBi)	Final Limit (dBm)	Margin (dB)
10	5475	-5.778	-5.535	-2.644	11	13	4	-6.644
	5600	0.787	0.635	3.722	11	13	4	-0.278
	5720	-1.729	-1.932	1.181	11	13	4	-2.819
20	5480	-11.93	-11.83	-8.869	11	13	4	-12.869
	5600	0.593	0.345	3.482	11	13	4	-0.518
	5715	-3.102	-3.035	-0.058	11	13	4	-4.058
30	5485	-12.71	-12.5	-9.593	11	13	4	-13.593
	5600	0.463	0.654	3.57	11	13	4	-0.43
	5710	-5.035	-5.183	-2.098	11	13	4	-6.098
40	5490	-15.71	-15.58	-12.634	11	13	4	-16.634
	5600	-0.068	-0.897	2.548	11	13	4	-1.452
	5705	-6.151	-6.082	-3.106	11	13	4	-7.106
50	5495	-15.96	-16.09	-13.014	11	13	4	-17.014
	5600	-0.877	-1.347	1.905	11	13	4	-2.095
	5700	-7.016	-6.892	-3.943	11	13	4	-7.943
60	5500	-17.38	-17.31	-14.334	11	13	4	-18.334
	5600	-2.19	-2.345	0.744	11	13	4	-3.256
	5695	-6.933	-7.006	-3.959	11	13	4	-7.959
80	5510	-18.8	-18.47	-15.621	11	13	4	-19.621
	5600	-3.794	-4.18	-0.972	11	13	4	-4.972
	5685	-7.159	-7.097	-4.117	11	13	4	-8.117
100	5520	-17.9	-18.53	-15.193	11	13	4	-19.193
	5600	-4.42	-4.74	-1.566	11	13	4	-5.566
	5675	-7.453	-7.41	-4.421	11	13	4	-8.421

Table 18. Power Spectral Density, UNII 2C, 13 dBi, 2x2, Test Results