EMC
TEST REPORT

Report No. : 150600356TWN-001
Model No. : G10, G10us
Issued Date : Oct. 08, 2015

Applicant: **ASRock Incorporation**
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Test Method/ Standard: **47 CFR FCC Part 15.407**
KDB 789033 D02 v01
KDB 644545 D03 v01
ANSI C63.10 2013.

Test By: **Intertek Testing Services Taiwan Ltd.**
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Revision History

Report No.	Issue Date	Revision Summary
150600356TWN-001	Oct. 08, 2015	Original report.

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1. Summary of Test Data

Test Requirement	Applicable Rule (Section 15.407)	Result
Maximum Conducted Output Power	15.407 (a)(1)/(2)/(3) KDB 789033 D02 v01	Pass
Power Spectrum Density	15.407 (a)(1)/(2)/(3) KDB 789033 D02 v01	Pass
Minimum Emission Bandwidth	15.407(a)(5), 15.407(e) KDB 789033 D02 v01	Pass
Emissions In Restricted Frequency Bands (Radiated emission measurements)	15.407(b), 15.209	Pass
Emission on The Band Edge	15.407(b), 15.209	Pass
AC Line Conducted Emission	15.407(b)(6) 15.207	Pass
Antenna requirement	15.203	Pass

2. General information

2.1 Identification of the EUT

Product:	AC2600 Gaming Router
Model No.:	G10
FCC ID:	2AFEB-G10
Manufacturer:	Edimax Technology Co., Ltd
Address:	6F., No. 3, Wu-Chuan 3rd Road, Wu-Gu, New Taipei City 24891, Taiwan
Operating Frequency:	1. 5180 MHz ~ 5240 MHz in 802.11a, 802.11n(HT20),802.11ac(VHT20) mode 2. 5190 MHz ~ 5230 MHz in 802.11n (HT40), 802.11ac(VHT40) mode 3. 5745 MHz ~ 5825 MHz in 802.11a, 802.11n(HT20), 802.11ac(VHT20) mode 4. 5755 MHz ~ 5795 MHz in 802.11n (HT40), 802.11ac(VHT40) mode 5. 5210 MHz, 5775 MHz in 802.11ac (VHT80) mode
Channel Number:	1. 4 channels for 5180 MHz ~ 5240 MHz in 802.11a,802.11n (HT20), 802.11ac(VHT20) mode 2. 2 channels for 5190 MHz ~ 5230 MHz in 802.11n (HT40), 802.11ac(VHT40) mode 3. 5 channels for 5745 MHz ~ 5825 MHz in 802.11a, 802.11n (HT20), 802.11ac(VHT20) mode 4. 2 channels for 5755 MHz ~ 5795 MHz in 802.11n (HT40), 802.11ac(VHT40) mode 5. 1 channel for 5210 MHz, 5775 MHz in 802.11ac (VHT80) mode
Access scheme:	OFDM
Modulation	64QAM, 16QAM, QPSK, BPSK for OFDM
Rated Power:	DC 12 V from adapter
Power Cord:	N/A
Sample Received:	Jun. 22, 2015
Test Date(s):	Jul. 22, 2015 ~Aug. 18, 2015
Note 1:	This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.
Note 2:	When determining the test conclusion, the Measurement Uncertainty of test has been considered.

2.2 Description of EUT

The customer confirmed the models listed as below were series model to model G10 (EUT), the difference between main model and series model are listed as below.

Trade Name	Model Number	Different
ASRock	G10us	The different model numbers are served as marketing purpose.
	G10	

Modulation mode	Transmit path			
	Chain 0	Chain 1	Chain 2	Chain 3
802.11a	V	V	V	V
802.11 an (HT20)	V	V	V	V
802.11 an (HT40)	V	V	V	V
802.11 ac (VHT20)	V	V	V	V
802.11 ac (VHT40)	V	V	V	V
802.11 ac (VHT80)	V	V	V	V

Product SW version : 1.8
Product HW version : 1.0A
Test SW Version : 3.0.54.0

2.3 Adapter information

The EUT will be supplied with a power supply from below list

No.	Model no.	Specification
Adapter	WA-36A12R	I/P: 100-240V~, 50-60Hz, 0.9A MAX O/P: 12Vdc, 3A

2.4 Antenna description

(1). Antenna 1, 2, 3, 4

The antenna is affixed to the EUT using a unique connector, which allows for replacement of a broken antenna, but DOES NOT use a standard antenna jack or electrical connector.

Antenna Gain : 2 dBi for 5GHz
Antenna Type : PCB Antenna
Connector Type : I-PEX

2.5 Peripherals equipment

Peripherals	Brand	Model No.	Serial No.	Data cable
Notebook PC	DELL	Vostro 3350	7KFQNT1	RJ-45 STP Cat.5 1.5 meter × 1

2.6 Operation mode

The EUT was supplied with DC 12 V from adapter (Test voltage: 120 Vac, 60 Hz).
TX-MODE is based on a specific test program "QCARCT.exe", and the program can select different frequency and modulation

With individual verifying, the maximum output power were found out 6 Mbps data rate for 802.11a mode, 6.5 Mbps data rate for 802.11n(HT20) mode, 13.5 Mbps data rate for 802.11n(HT40) mode and , 29.3 Mbps data rate for 802.11ac(VHT80) mode the final tests were executed under these conditions recorded in this report individually.

Beamforming ON mode

802.11a ch40 chain0		**802.11n HT20 ch40 chain0**		**802.11n VHT20 ch40 chain0**	
Data rate (Mbps)	**AV (dBm)**	**Data rate (Mbps)**	**AV (dBm)**	**Data rate (Mbps)**	**AV (dBm)**
6	11.48	MCS0	11.59	MCS0	11.45
9	11.47	MCS1	11.54	MCS1	11.42
12	11.45	MCS2	11.45	MCS2	11.39
18	11.45	MCS3	11.35	MCS3	11.35
24	11.38	MCS4	11.33	MCS4	11.32
36	11.28	MCS5	11.33	MCS5	11.3
48	11.26	MCS6	11.23	MCS6	11.25
54	11.24	MCS7	11.17	MCS7	11.13

802.11n HT40 ch38 chain0		**802.11n VHT40 ch38 chain0**		**802.11n VHT80 ch42 chain0**	
Data rate (Mbps)	**AV (dBm)**	**Data rate (Mbps)**	**AV (dBm)**	**Data rate (Mbps)**	**AV (dBm)**
MCS0	11.7	MCS0	11.67	MCS0	11.73
MCS1	11.68	MCS1	11.63	MCS1	11.61
MCS2	11.65	MCS2	11.59	MCS2	11.55
MCS3	11.58	MCS3	11.54	MCS3	11.45
MCS4	11.5	MCS4	11.42	MCS4	11.44
MCS5	11.44	MCS5	11.42	MCS5	11.44
MCS6	11.32	MCS6	11.35	MCS6	11.42
MCS7	11.3	MCS7	11.28	MCS7	11.36

Beamforming OFF mode

802.11a ch40 chain0		802.11n HT20 ch40 chain0		802.11n VHT20 ch40 chain0	
Data rate (Mbps)	**AV (dBm)**	**Data rate (Mbps)**	**AV (dBm)**	**Data rate (Mbps)**	**AV (dBm)**
6	21.36	MCS0	15.24	MCS0	15.2
9	21.34	MCS1	15.2	MCS1	15.17
12	21.3	MCS2	15.18	MCS2	15.14
18	21.26	MCS3	15.15	MCS3	15.09
24	21.21	MCS4	15.12	MCS4	15.07
36	21.18	MCS5	15.09	MCS5	15.02
48	21.15	MCS6	15.04	MCS6	14.96
54	21.12	MCS7	14.99	MCS7	14.91

802.11n HT40 ch38 chain0		802.11n VHT40 ch38 chain0		802.11n VHT80 ch42 chain0	
Data rate (Mbps)	**AV (dBm)**	**Data rate (Mbps)**	**AV (dBm)**	**Data rate (Mbps)**	**AV (dBm)**
MCS0	13.54	MCS0	13.5	MCS0	12.65
MCS1	13.5	MCS1	13.45	MCS1	12.61
MCS2	13.47	MCS2	13.39	MCS2	12.56
MCS3	13.44	MCS3	13.34	MCS3	12.52
MCS4	13.39	MCS4	13.28	MCS4	12.47
MCS5	13.33	MCS5	13.23	MCS5	12.41
MCS6	13.28	MCS6	13.17	MCS6	12.38
MCS7	13.22	MCS7	13.14	MCS7	12.33

2.7 Applied test modes and channels

Test items	Mode	Data Rate (Mbps)	Channel	Antenna
Maximum Conducted Output Power	802.11a	6	36,40,48,149,157,165	Chain0/Chain1/Chain2/Chain3
	802.11 an (HT20)	6.5	36,40,48,149,157,165	Chain0/Chain1/Chain2/Chain3
	802.11 an (HT40)	13.5	38,46,151,159	Chain0/Chain1/Chain2/Chain3
	802.11 ac (VHT80)	29.3	42,155	Chain0/Chain1/Chain2/Chain3
Power Spectrum Density	802.11a	6	36,40,48,149,157,165	Chain0/Chain1/Chain2/Chain3
	802.11 an (HT20)	6.5	36,40,48,149,157,165	Chain0/Chain1/Chain2/Chain3
	802.11 an (HT40)	13.5	38,46,151,159	Chain0/Chain1/Chain2/Chain3
	802.11 ac (VHT80)	29.3	42,155	Chain0/Chain1/Chain2/Chain3
99% OBW	802.11a	6	36,40,48,149,157,165	Chain0/Chain1/Chain2/Chain3
	802.11 an (HT20)	6.5	36,40,48,149,157,165	Chain0/Chain1/Chain2/Chain3
	802.11 an (HT40)	13.5	38,46,151,159	Chain0/Chain1/Chain2/Chain3
	802.11 ac (VHT80)	29.3	42,155	Chain0/Chain1/Chain2/Chain3
Radiated spurious Emission 9kHz~1GHz	Normal Link			
Emissions In Restricted Frequency Bands (Radiated emission measurements)	802.11a	6	36,40,48,149,157,165	Chain0/Chain1/Chain2/Chain3
	802.11 an (HT20)	6.5	36,40,48,149,157,165	Chain0/Chain1/Chain2/Chain3
	802.11 an (HT40)	13.5	38,46,151,159	Chain0/Chain1/Chain2/Chain3
	802.11 ac (VHT80)	29.3	42,155	Chain0/Chain1/Chain2/Chain3
Emission on The Band Edge	802.11a	6	36,40,48,149,157,165	Chain0/Chain1/Chain2/Chain3
	802.11 an (HT20)	6.5	36,40,48,149,157,165	Chain0/Chain1/Chain2/Chain3
	802.11 an (HT40)	13.5	38,46,151,159	Chain0/Chain1/Chain2/Chain3
	802.11 ac (VHT80)	29.3	42,155	Chain0/Chain1/Chain2/Chain3
AC Line Conducted Emission	Normal Link			

With individual verifying, the spurious emissions of 802.11n HT20 mode are greater than the spurious emissions of 802.11ac VHT20 mode under the same power setting. The spurious emissions of 802.11n HT40 mode are greater than the spurious emissions of 802.11ac VHT40 mode under the same power setting. We choose the 802.11n HT20/40 mode as the worse mode for 20/40 MHz Bandwidth.

2.8 Power setting of test software

Channels & power setting software provided by the client was used to change the operating channels as well as the output power level and is going to be installed in the final end product.

Beamforming ON mode

Mode	Software Version:		
	Channel	Frequency	Power setting
802.11a	36	5180	12
	40	5200	12
	48	5240	12
	149	5745	9
	157	5785	9
	165	5825	9
802.11an (HT20)	36	5180	12
	40	5200	12
	48	5240	12
	149	5745	9
	157	5785	9
	165	5825	9
802.11ac (VHT20)	36	5180	12
	40	5200	12
	48	5240	12
	149	5745	9
	157	5785	9
	165	5825	9
802.11an (HT40)	38	5190	12
	46	5230	12
	151	5755	9
	159	5795	9
802.11ac (VHT40)	38	5190	12
	46	5230	12
	151	5755	9
	159	5795	9
802.11ac (VHT80)	42	5210	12
	155	5775	9

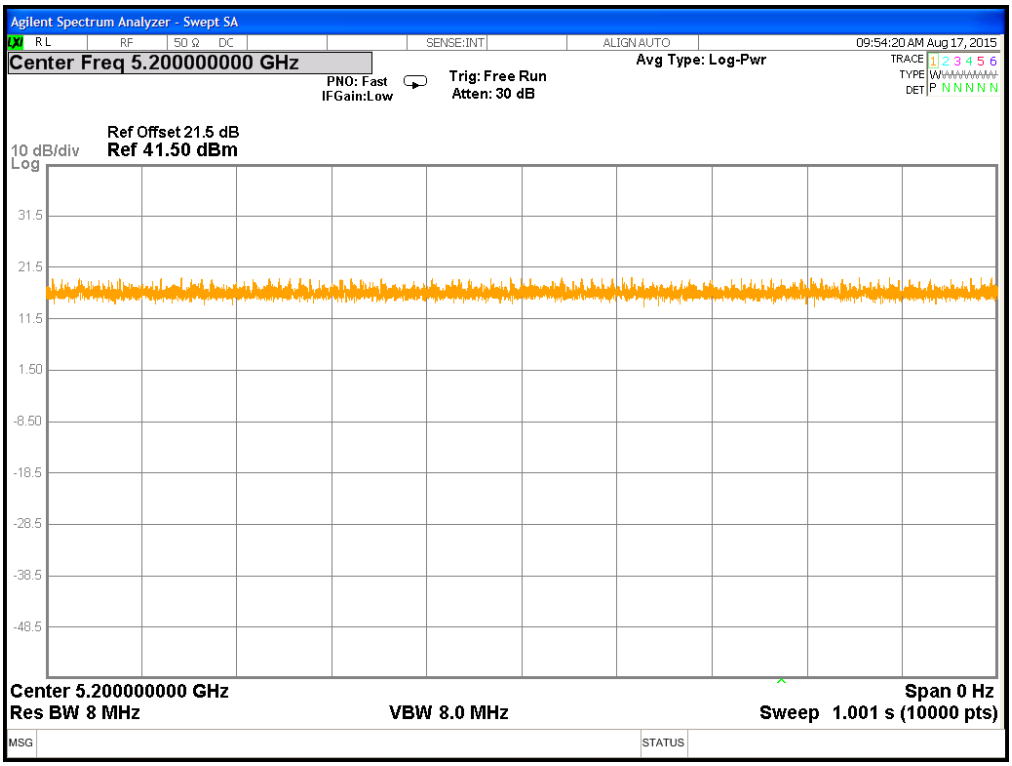
Beamforming OFF mode

Mode	Software Version:					
	Channel	Frequency	Power setting			
			chain 0	chain 1	chain 2	chain 3
802.11a	36	5180	22	21	20	21
	40	5200	22	21	20	21
	48	5240	22	21	20	21
	149	5745	14	16	18	15
	157	5785	14	16	18	15
	165	5825	14	16	18	15
802.11an (HT20)	36	5180	16			
	40	5200	16			
	48	5240	16			
	149	5745	10			
	157	5785	10			
	165	5825	10			
802.11ac (VHT20)	36	5180	14			
	40	5200	14			
	48	5240	12			
	149	5745	12			
	157	5785	16			
	165	5825	16			
802.11an (HT40)	38	5190	16			
	46	5230	10			
	151	5755	10			
	159	5795	10			
802.11ac (VHT40)	38	5190	14			
	46	5230	14			
	151	5755	12			
	159	5795	12			
802.11ac (VHT80)	42	5210	13			
	155	5775	12			

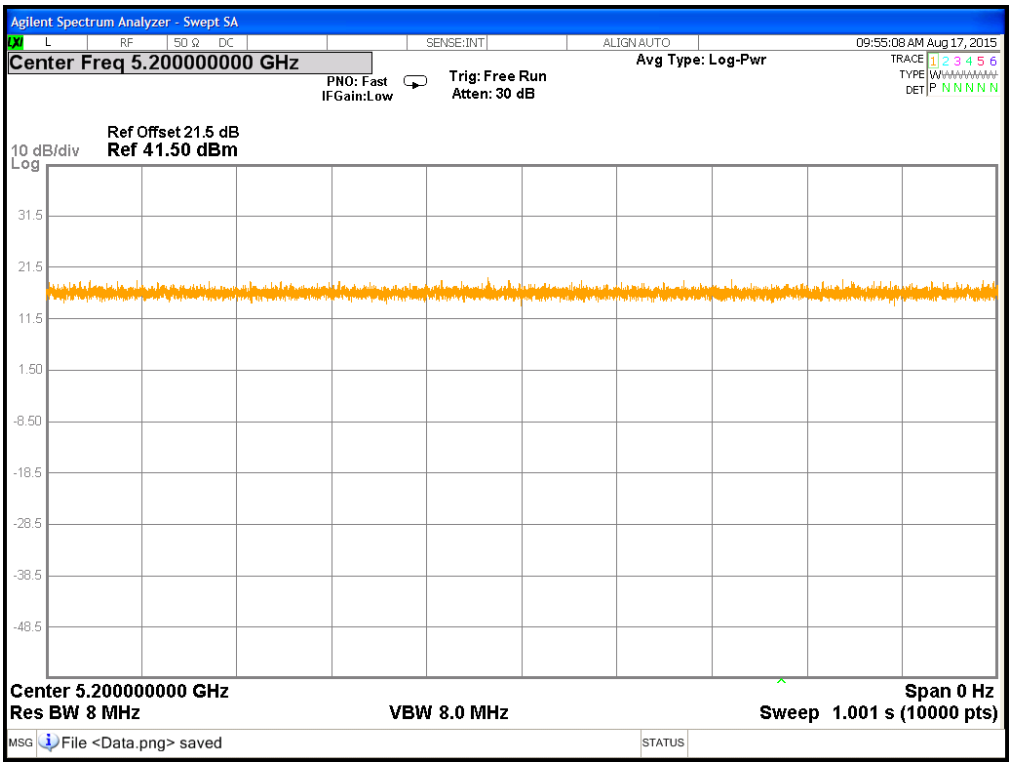
Note: The EUT was programmed to be in continuously transmitting mode and the transmit duty cycle is not less than 98%.

Mode	Channel	Freq. (MHz)	Data rate	Signal on time(ms)	Total signal transmit time(ms)	Duty cycle	Duty Cycle factor
802.11a	40	5200	6	1	1	1.000	0.000
802.11 an (HT20)	40	2437	6.5	1	1	1.000	0.000
802.11 an (HT40)	38	2437	13.5	1	1	1.000	0.000
802.11 ac (VHT80)	42	2437	29.3	1	1	1.000	0.000

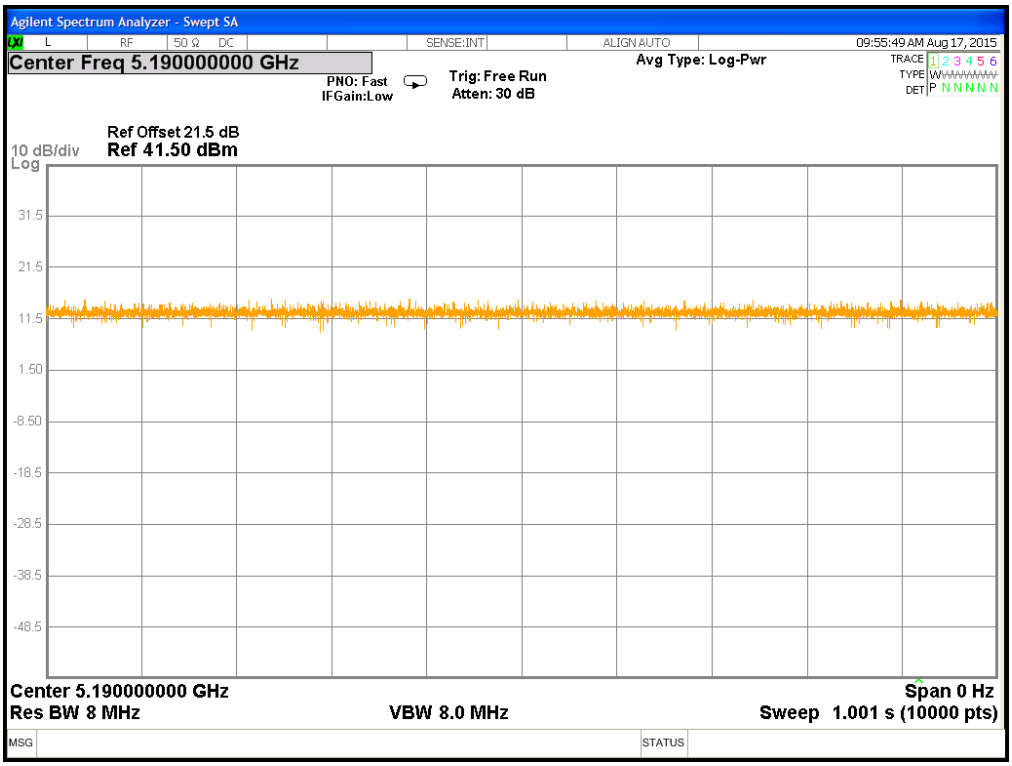
Duty Cycle @ 802.11a mode Ch 40 Chain 0



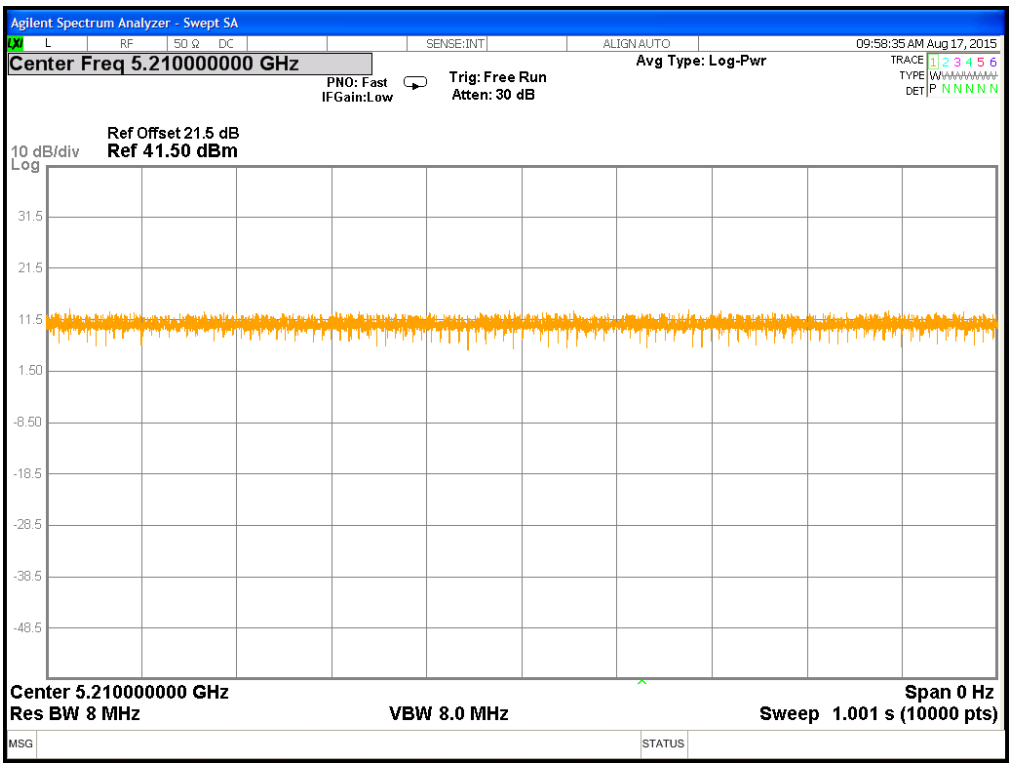
Duty Cycle @ 802.11n(HT20) mode Ch 40



Duty Cycle @ 802.11n (HT40) mode Ch 38



Duty Cycle @ 802.11ac (VHT80) mode Ch 42



Part 1: For Beamforming on mode

3. Maximum Conducted Output Power

3.1 Operating environment

Temperature:	25	℃
Relative Humidity:	50	%
Atmospheric Pressure	1008	hPa
Channel number	36,40,48,149,157,165 for 20MHz 38,46,151,159 for 40MHz 42, 155 for 80MHz	

3.2 Limit for maximum output power

Operating Frequency (MHz)	Conducted output power limit
5150~5250	< 1 W (30 dBm)
5725~5850	< 1 W (30 dBm)

Operating Frequency (MHz)	Maximum E.I.R.P. limit
5150~5250	< 4 W (36 dBm)
5725~5850	< 4 W (36 dBm)

3.3 Measuring instrument setting

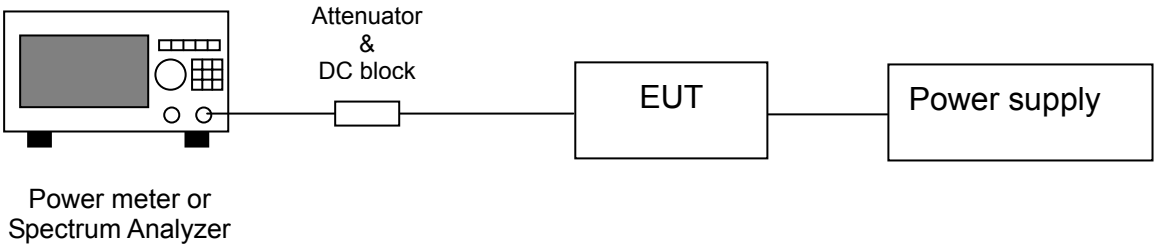
Power meter for Nominal Bandwidth less than 65MHz	
Power meter	**Setting**
Bandwidth	65MHz bandwidth is greater than the EUT emission bandwidth
Detector	Average

Spectrum Analyzer for Nominal Bandwidth greater than 65MHz	
Power meter	**Setting**
Span	Encompass the entire emission bandwidth
RBW	1MHz
VBW	≧ 3MHz
Sweep point	≧ 2 Span/RBW
Sweep time	auto
Detector	RMS or Sample
Video trigger	free run or specific level
Trace average mode	At least 100 traces
Bandwidth of Integrating Power mode	Equal to the emission bandwidth

3.4 Test procedure

Test procedures refer to clause E) 3) b) measurement using a gated RF average power meter of KDB 789033 D02 v01
Test procedures refer to clause E) 2) b) Method SA-1 of KDB 789033 D02 v01

3.5 Test diagram



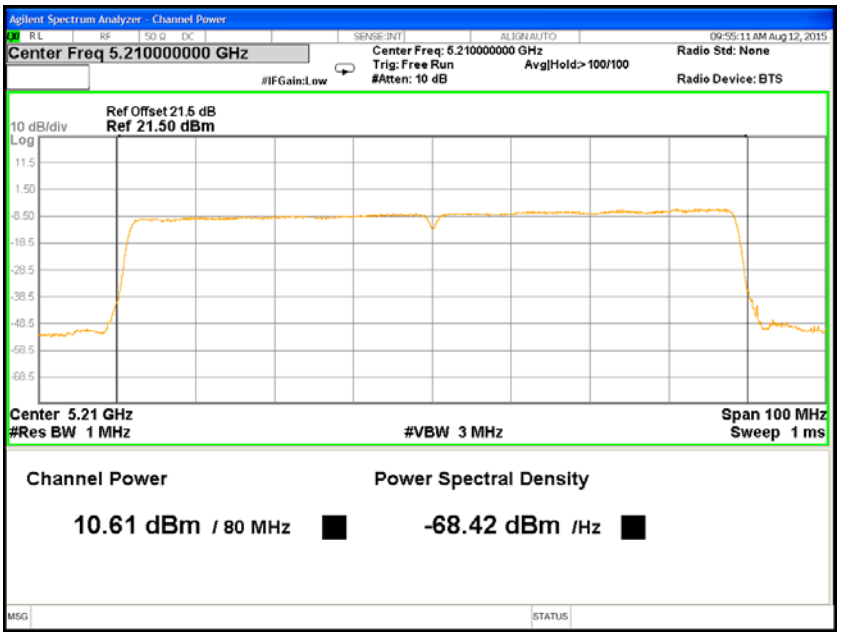
3.6 Test results

4TX

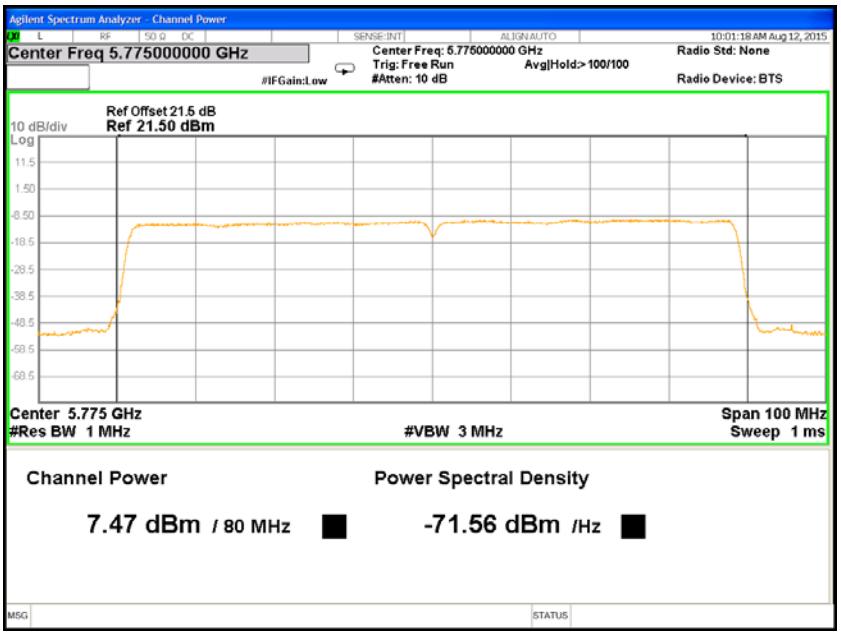
Mode	Ch.	Freq. (MHz)	Data Rate (Mbps)	Output Power (dBm)				Total Power (dBm)		Conducted Power Limit (dBm)	Margin (dB)	Total Ant. Gain (dB)	EIRP	EIRP Power Limit (dBm)	Margin (dB)
				Chain 0	Chain 1	Chain 2	Chain 3	AV							
				AV	AV	AV	AV	0+1+2+3 (mW)	0+1+2+3 (dBm)						
11a	36	5180	6	11.62	11.6	11.98	12.63	63.07	18.00	28	-10.00	8.00	26.00	34	-8.00
	40	5200		11.75	11.73	11.78	12.79	63.93	18.06	28	-9.94	8.00	26.06	34	-7.94
	48	5240		11.96	12	11.26	12.24	61.67	17.90	28	-10.10	8.00	25.90	34	-8.10
	149	5745		8.03	7.52	7.85	8.22	24.74	13.93	28	-14.07	8.00	21.93	34	-12.07
	157	5785		8.09	8.1	8.05	8.51	26.38	14.21	28	-13.79	8.00	22.21	34	-11.79
	165	5825		8.44	9.08	8.79	9.49	31.53	14.99	28	-13.01	8.00	22.99	34	-11.01
11n (20M)	36	5180	6.5	11.49	11.76	11.95	12.76	63.64	18.04	28	-9.96	8.00	26.04	34	-7.96
	40	5200		11.73	11.82	11.86	12.87	64.81	18.12	28	-9.88	8.00	26.12	34	-7.88
	48	5240		11.92	12.07	11.31	12.52	63.05	18.00	28	-10.00	8.00	26.00	34	-8.00
	149	5745		8.08	7.44	7.81	8.32	24.80	13.95	28	-14.05	8.00	21.95	34	-12.05
	157	5785		8.14	7.78	7.94	8.52	25.85	14.12	28	-13.88	8.00	22.12	34	-11.88
	165	5825		8.54	8.77	8.8	9.33	30.83	14.89	28	-13.11	8.00	22.89	34	-11.11
11n (40M)	38	5190	13.5	11.98	12.26	12.05	12.18	65.15	18.14	28	-9.86	8.00	26.14	34	-7.86
	46	5230		12.24	12.36	11.62	11.55	62.78	17.98	28	-10.02	8.00	25.98	34	-8.02
	151	5755		8.25	8	7.6	8.04	25.12	14.00	28	-14.00	8.00	22.00	34	-12.00
	159	5795		8.4	8.49	8.26	8.45	27.68	14.42	28	-13.58	8.00	22.42	34	-11.58
11ac (80M)	42	5210	29.3	10.61	11.04	10.39	11.01	47.77	16.79	28	-11.21	8.00	24.79	34	-9.21
	155	5775		7.47	7.26	6.67	7.6	21.31	13.28	28	-14.72	8.00	21.28	34	-12.72

Note: Total Ant Gain=2+ 10 log (N Ant)=8 , N Ant=4

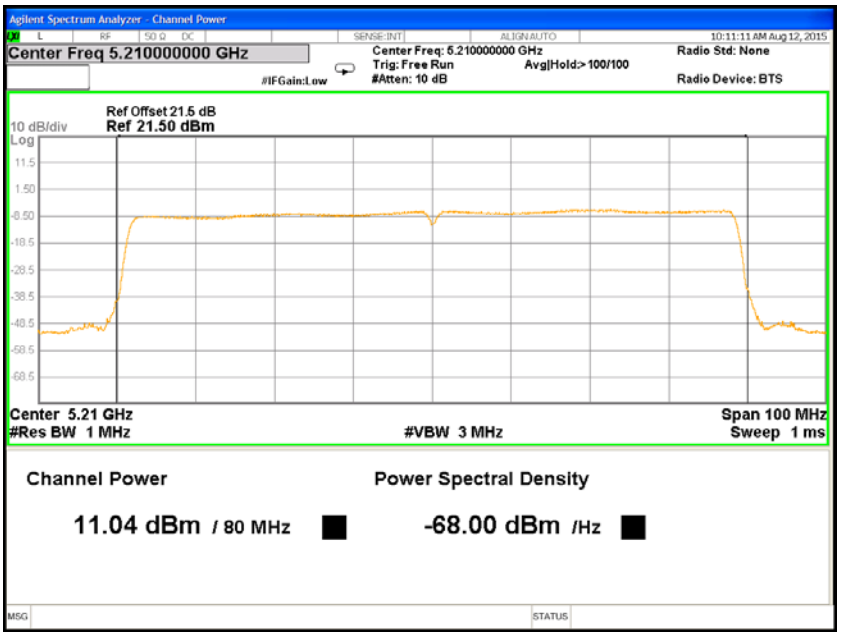
Chain0 : Output Power @ 802.11ac(VHT80) Mode Ch42



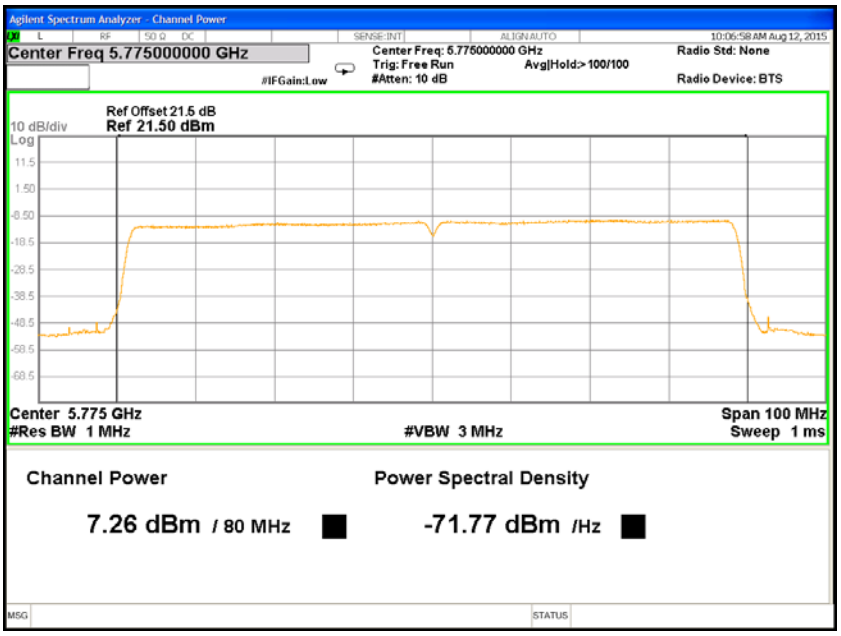
Chain0 : Output Power @ 802.11ac(VHT80) Mode Ch155



Chain1 : Output Power @ 802.11ac(VHT80) Mode Ch42

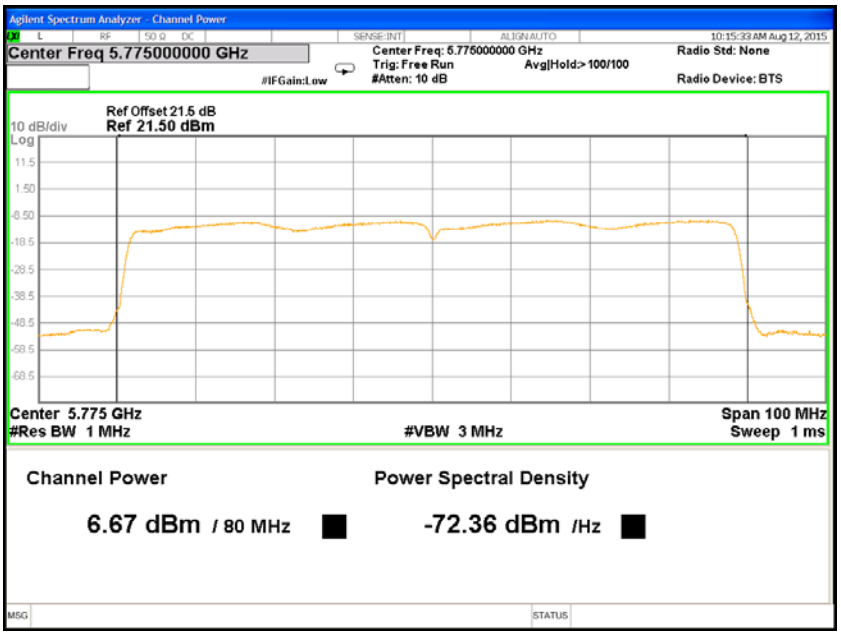


Chain1 : Output Power @ 802.11ac(VHT80) Mode Ch155



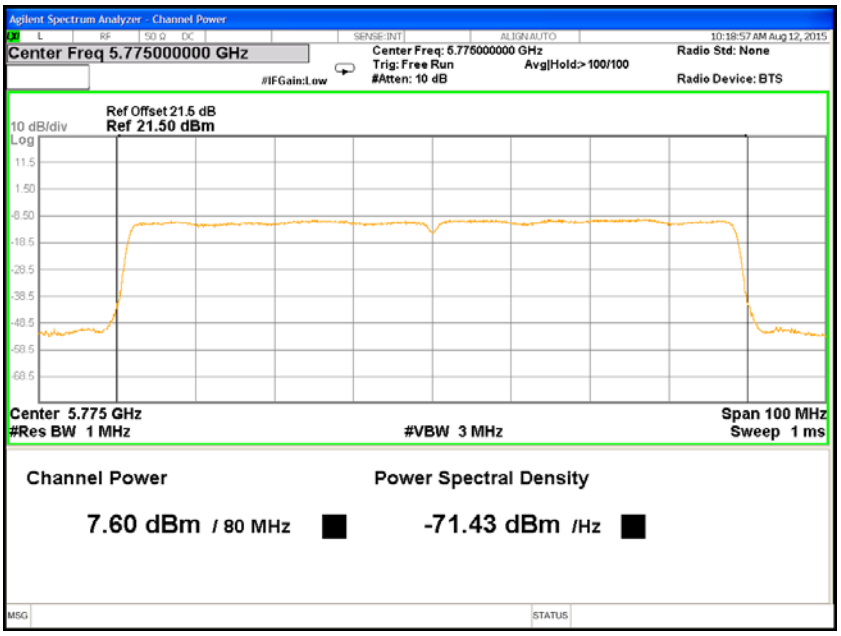
Chain2 : Output Power @ 802.11ac(VHT80) Mode Ch42

Chain2 : Output Power @ 802.11ac(VHT80) Mode Ch155



Chain3 : Output Power @ 802.11ac(VHT80) Mode Ch42

Chain3 : Output Power @ 802.11ac(VHT80) Mode Ch155



4. Power Spectrum Density

4.1 Operating environment

Temperature:	25	℃
Relative Humidity:	50	%
Atmospheric Pressure	1008	hPa
Channel number	36,40,48,149,157,165 for 20MHz 38,46,151,159 for 40MHz 42, 155 for 80MHz	

4.2 Limit for power spectrum density

Operating Frequency (MHz)	Power density limit
5150~5250	< 17 dBm/MHz
5725~5850	< 30 dBm/500kHz

4.3 Measuring instrument setting

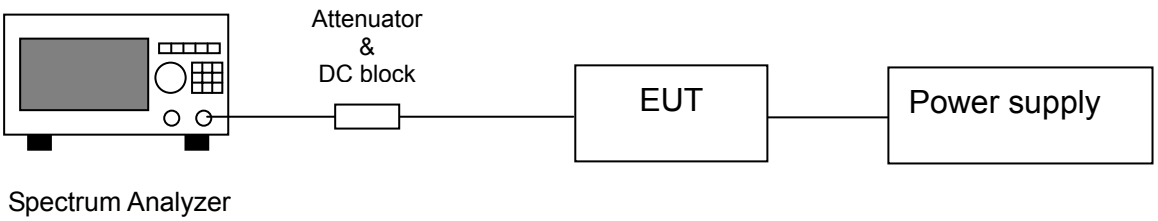
Spectrum analyzer settings (5150~5250MHz)	
Spectrum Analyzer function	**Setting**
Detector	RMS
RBW	=1MHz
VBW	≧3 MHz
Sweep	Auto couple
Trace	Average
Span	Encompass the 26 dB EBW
Attenuation	Auto
Sweep point	≥ 2 Span / RBW

Spectrum analyzer settings (5725~5850MHz)	
Spectrum Analyzer function	**Setting**
Detector	RMS
RBW	=100kHz
VBW	≧300 kHz
Sweep	Auto couple
Trace	Average
Span	Encompass the 6 dB EBW
Attenuation	Auto
Sweep point	≥ 2 Span / RBW

4.4 Test procedure

1. Set relevant parameter according to clause 4.3.
2. Trace average at least 100 traces in power averaging mode.
3. Compute power by integrating the spectrum across the 26 dB or 6dB EBW of the signal using the instrument's band power measurement function with band limits set equal to the EBW band edges
4. If measurement bandwidth of Maximum PSD is specified in 500 kHz, add 10log(500kHz/RBW) to the measured result, whereas RBW (< 500 KHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement. The RBW is 100 kHz. So, we will add 6.989 to the results.

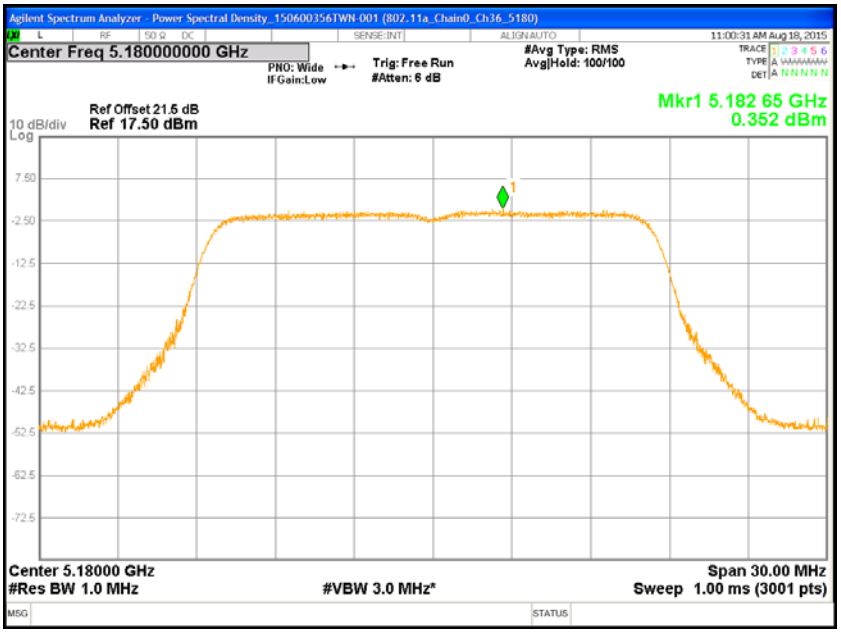
4.5 Test diagram



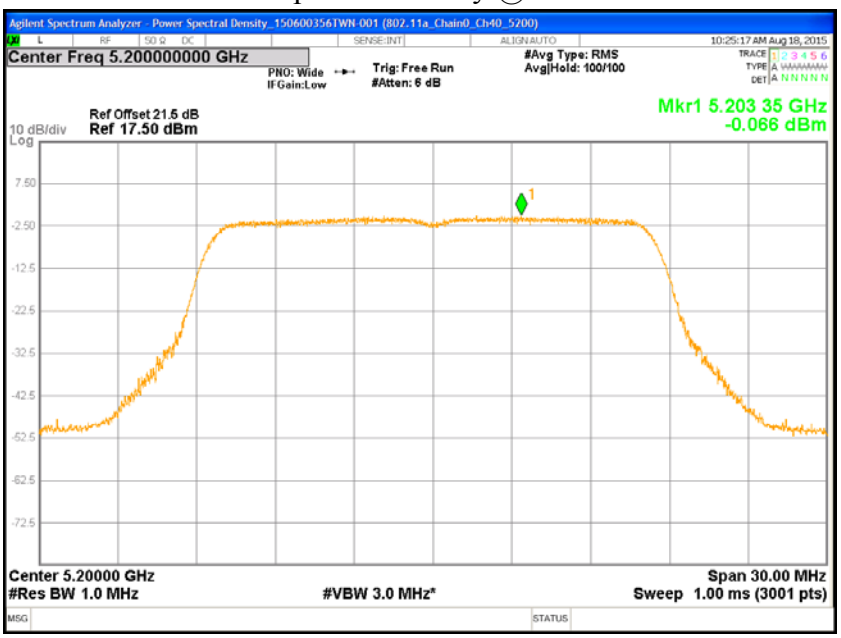
4.6 Test results

Mode	Ch.	Freq. (MHz)	Data rate Mbps	PSD (dBm)				Duty Cycle Factor	PSD with Duty factor (mw)				PSD with Duty factor		MIMO	Total PSD	Limit (dBm)	Margin (dB)
				Chain 0	Chain 1	Chain 2	Chain 3		Chain 0	Chain 1	Chain 2	Chain 3	mW	dBm	Correction	dBm		
802.11a	36	5180	6	0.352	-0.152	0.762	1.255	0.00	1.08	0.97	1.19	1.34	4.58	6.61	6.00	12.61	15	-2.39
	40	5200		-0.066	-0.076	0.572	1.180	0.00	0.98	0.98	1.14	1.31	4.42	6.45	6.00	12.45	15	-2.55
	48	5240		0.209	-0.017	0.426	0.566	0.00	1.05	1.00	1.10	1.14	4.29	6.32	6.00	12.32	15	-2.68
	149	5745		0.145	0.172	0.097	1.345	0.00	1.03	1.04	1.02	1.36	4.46	6.49	6.00	12.49	28	-15.51
	157	5785		2.391	-0.052	1.810	1.430	0.00	1.73	0.99	1.52	1.39	5.63	7.50	6.00	13.50	28	-14.50
	165	5825		3.238	3.256	1.266	4.655	0.00	2.11	2.12	1.34	2.92	8.48	9.29	6.00	15.29	28	-12.71
802.11n (HT 20)	36	5180	6.5	-0.576	-0.530	0.813	1.228	0.00	0.88	0.89	1.21	1.33	4.29	6.33	6.00	12.33	15	-2.67
	40	5200		-0.183	-0.497	0.557	0.974	0.00	0.96	0.89	1.14	1.25	4.24	6.27	6.00	12.27	15	-2.73
	48	5240		0.181	0.121	0.286	0.397	0.00	1.04	1.03	1.07	1.10	4.23	6.27	6.00	12.27	15	-2.73
	149	5745		-3.139	-0.439	2.378	0.962	0.00	0.49	0.90	1.73	1.25	4.37	6.40	6.00	12.40	28	-15.60
	157	5785		-3.027	3.437	2.101	2.407	0.00	0.50	2.21	1.62	1.74	6.07	7.83	6.00	13.83	28	-14.17
	165	5825		-3.139	1.472	1.615	3.577	0.00	0.49	1.40	1.45	2.28	5.62	7.50	6.00	13.50	28	-14.50
802.11n (HT 40)	38	5190	13.5	-4.648	-3.357	-3.115	-2.773	0.00	0.34	0.46	0.49	0.53	1.82	2.60	6.00	8.60	15	-6.40
	46	5230		-3.908	-3.404	-3.341	-3.113	0.00	0.41	0.46	0.46	0.49	1.81	2.59	6.00	8.59	15	-6.41
	151	5755		-3.345	-0.886	-1.525	0.610	0.00	0.46	0.82	0.70	1.15	3.13	4.96	6.00	10.96	28	-17.04
	159	5795		-2.088	-2.004	0.552	1.249	0.00	0.62	0.63	1.14	1.33	3.72	5.70	6.00	11.70	28	-16.30
802.11ac (VHT 80)	42	5210	29.3	-6.643	-5.644	-5.622	-5.021	0.00	0.22	0.27	0.27	0.31	1.08	0.33	6.00	6.33	15	-8.67
	155	5775		-3.396	-4.192	-4.632	-3.279	0.00	0.46	0.38	0.34	0.47	1.65	2.18	6.00	8.18	28	-19.82

Chain0 : Power Spectral Density @ 802.11a Mode Ch36



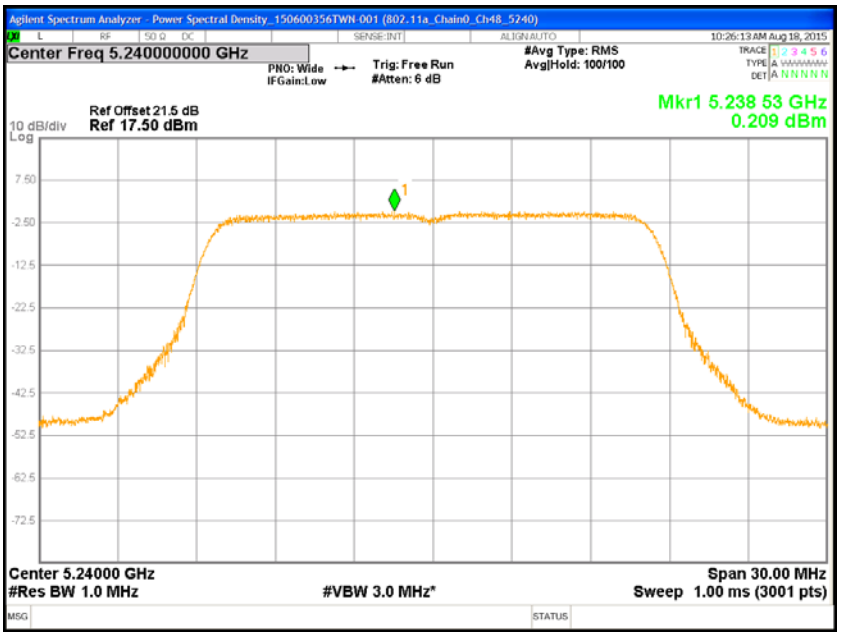
Chain0 : Power Spectral Density @ 802.11a Mode Ch40



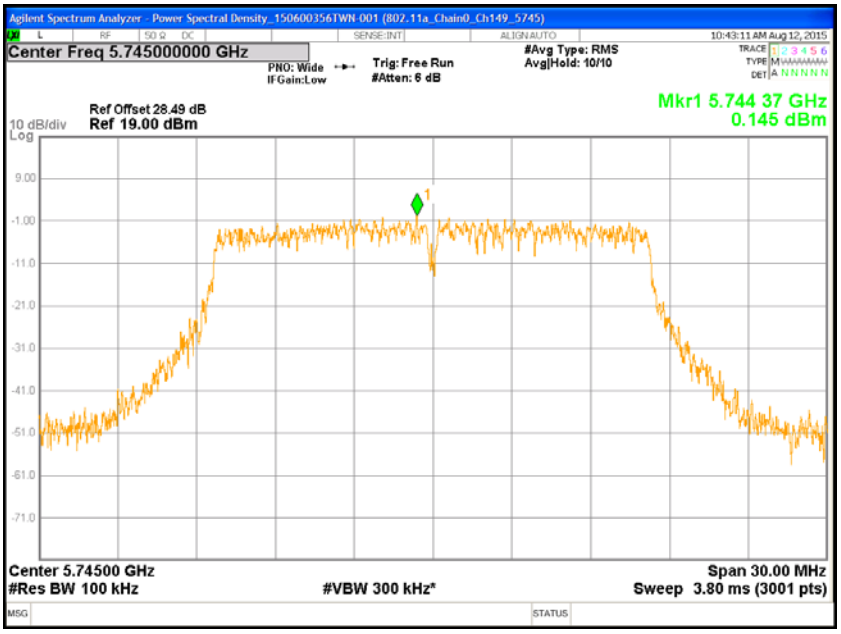
Note: Ref Offset 21.5 dB= Cable loss + Attenuation

Ref Offset 28.49 dB= Cable loss + Attenuation+10log(500/100)

Chain0 : Power Spectral Density @ 802.11a Mode Ch48



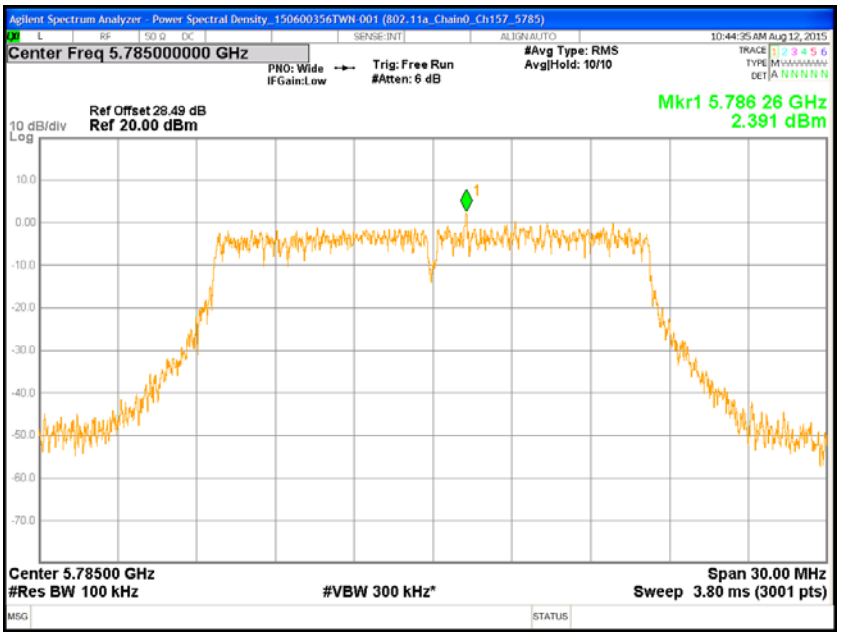
Chain0 : Power Spectral Density @ 802.11a Mode Ch149



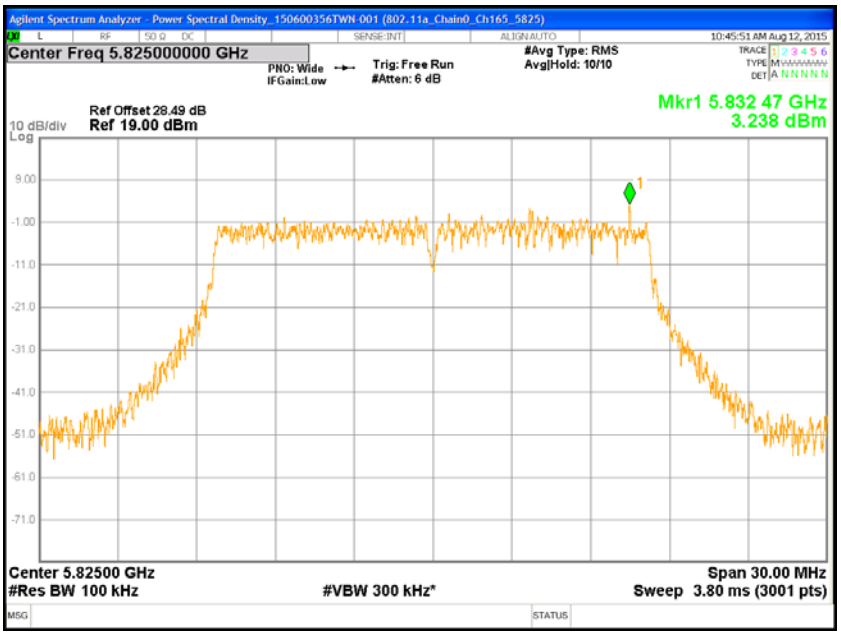
Note: Ref Offset 21.5 dB= Cable loss + Attenuation

Ref Offset 28.49 dB= Cable loss + Attenuation+10log(500/100)

Chain0 : Power Spectral Density @ 802.11a Mode Ch157



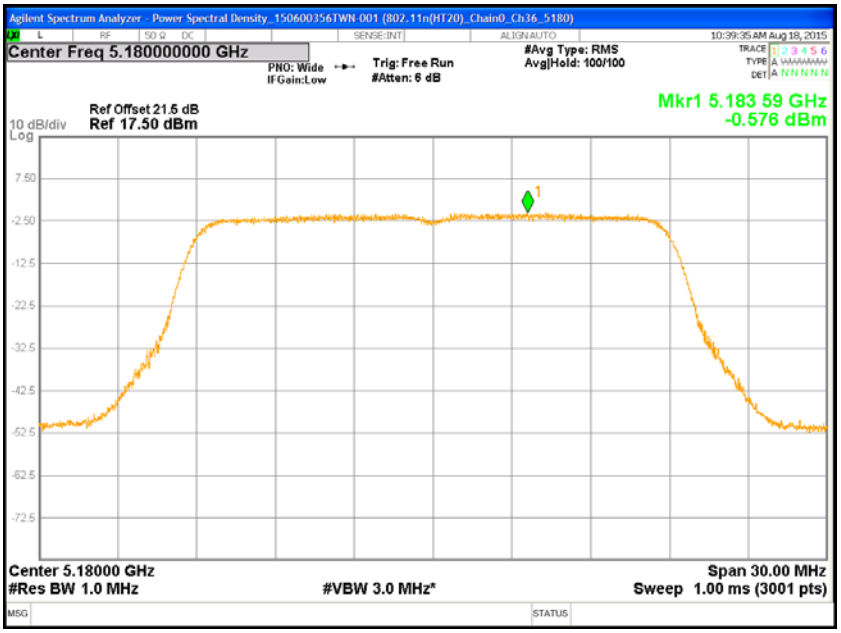
Chain0 : Power Spectral Density @ 802.11a Mode Ch165



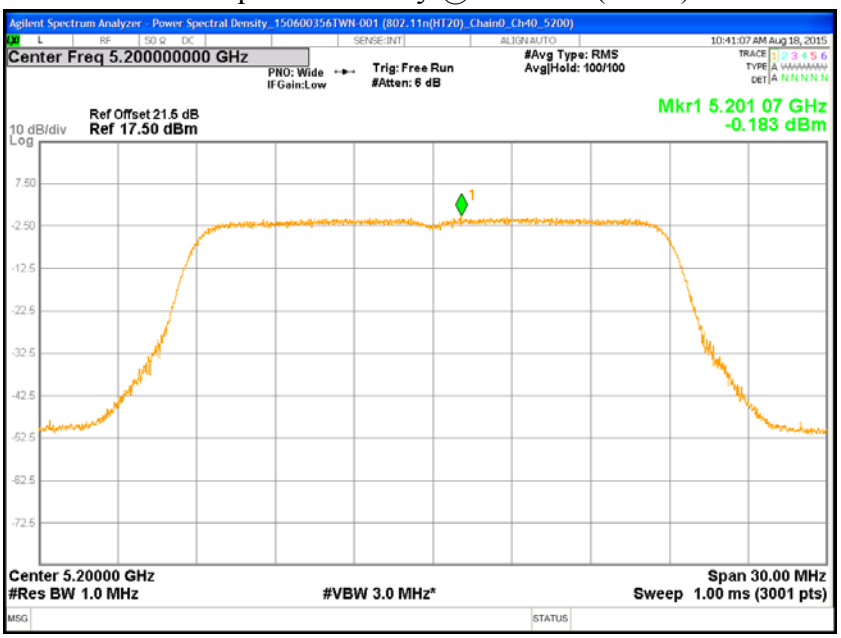
Note: Ref Offset 21.5 dB= Cable loss + Attenuation

Ref Offset 28.49 dB= Cable loss + Attenuation+10log(500/100)

Chain0 : Power Spectral Density @ 802.11an(HT20) Mode Ch36



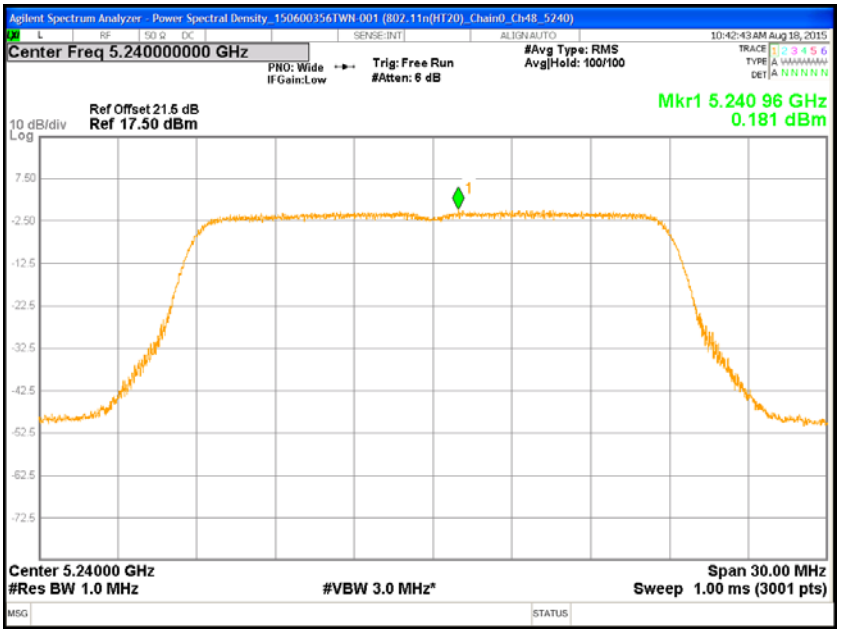
Chain0 : Power Spectral Density @ 802.11an(HT20) Mode Ch40



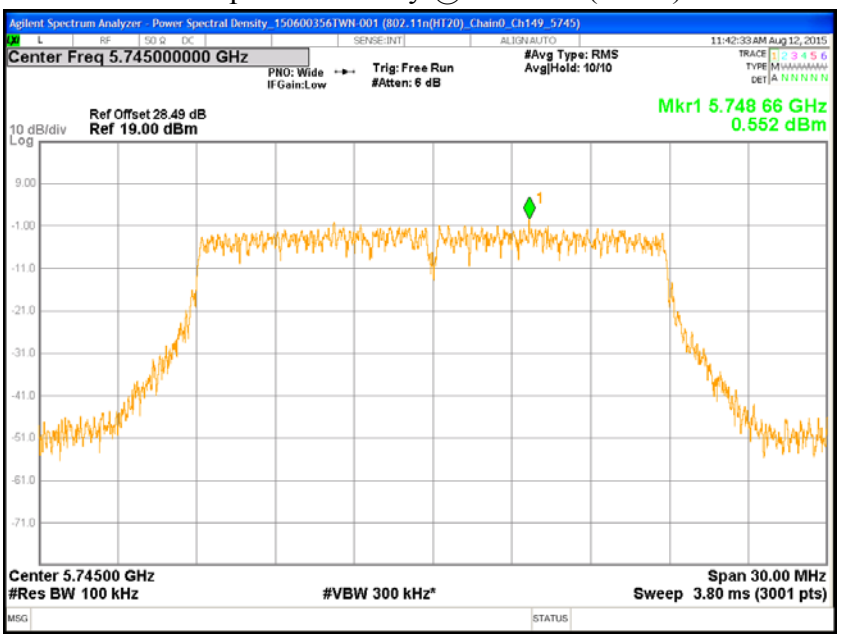
Note: Ref Offset 21.5 dB= Cable loss + Attenuation

Ref Offset 28.49 dB= Cable loss + Attenuation+10log(500/100)

Chain0 : Power Spectral Density @ 802.11an(HT20) Mode Ch48



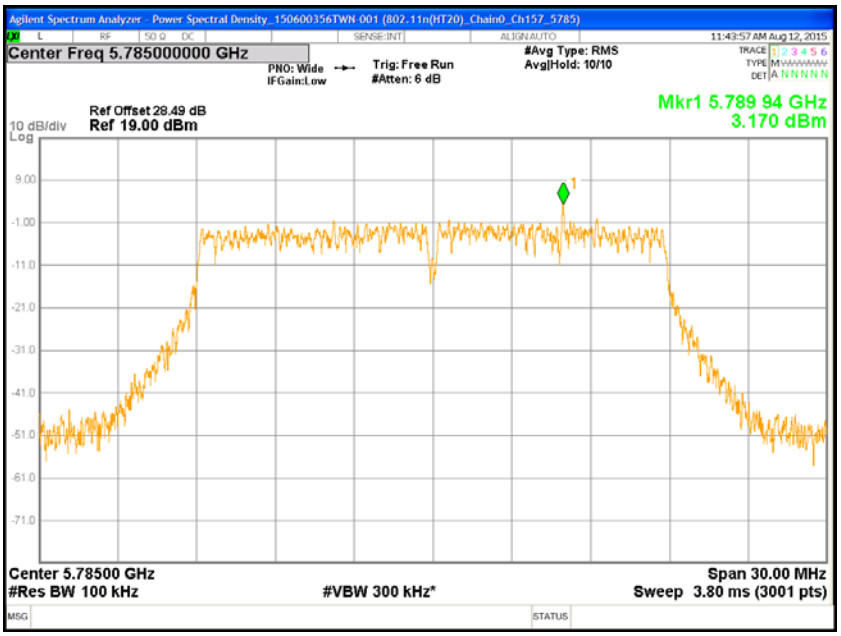
Chain0 : Power Spectral Density @ 802.11an(HT20) Mode Ch149



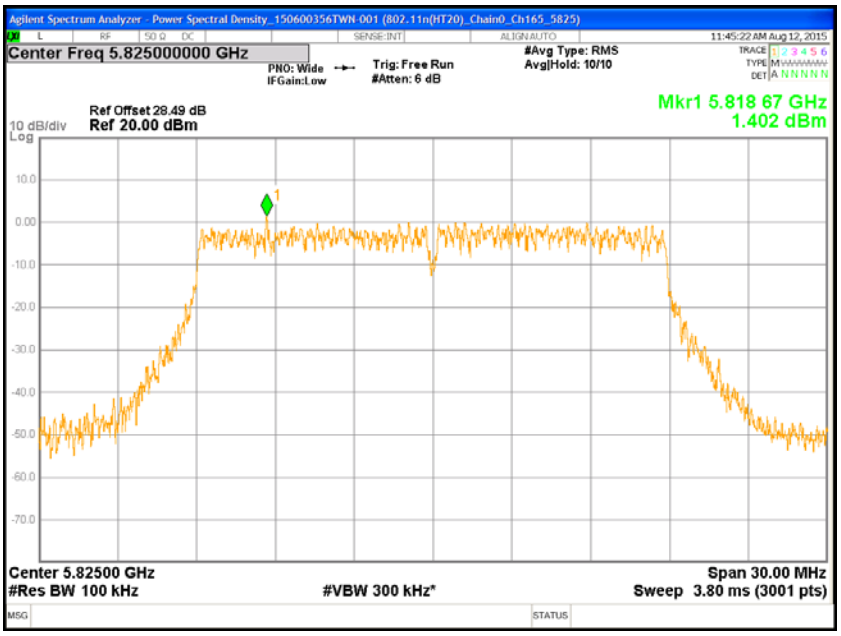
Note: Ref Offset 21.5 dB= Cable loss + Attenuation

Ref Offset 28.49 dB= Cable loss + Attenuation+10log(500/100)

Chain0 : Power Spectral Density @ 802.11an(HT20) Mode Ch157



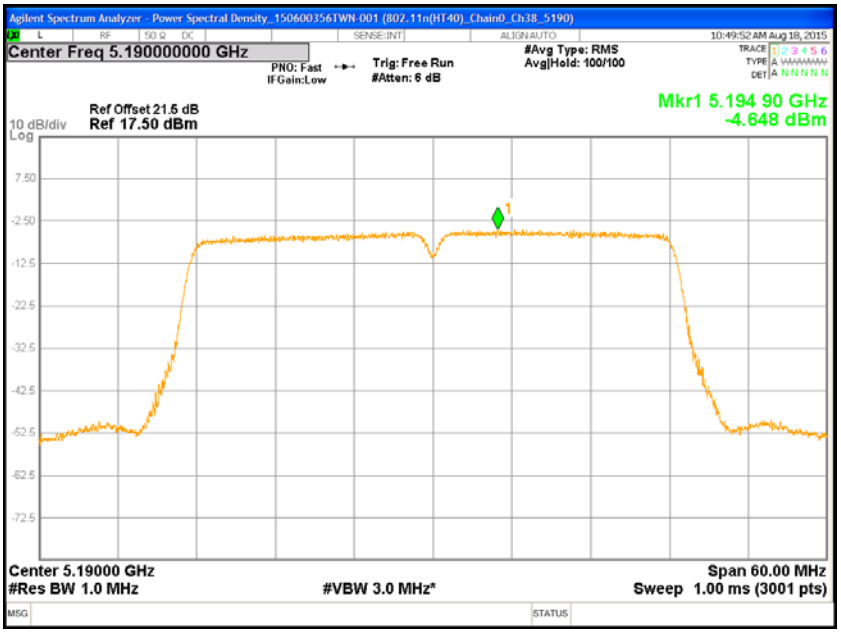
Chain0 : Power Spectral Density @ 802.11an(HT20) Mode Ch165



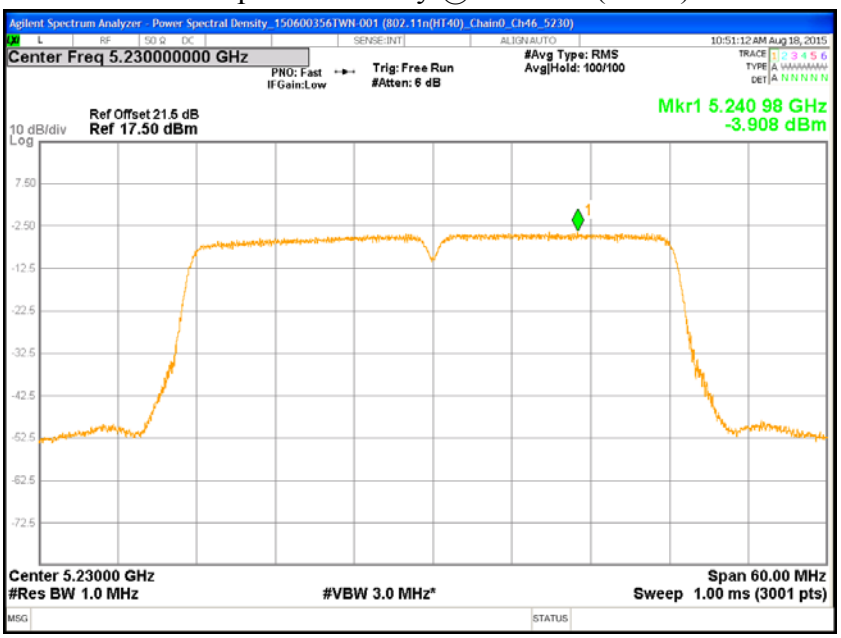
Note: Ref Offset 21.5 dB= Cable loss + Attenuation

Ref Offset 28.49 dB= Cable loss + Attenuation+10log(500/100)

Chain0 : Power Spectral Density @ 802.11an(HT40) Mode Ch38



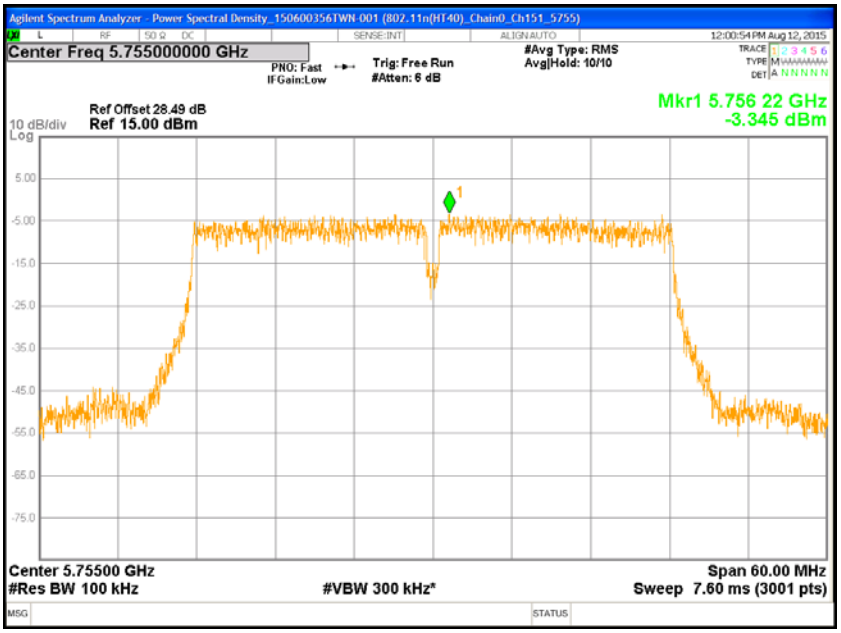
Chain0 : Power Spectral Density @ 802.11an(HT40) Mode Ch46



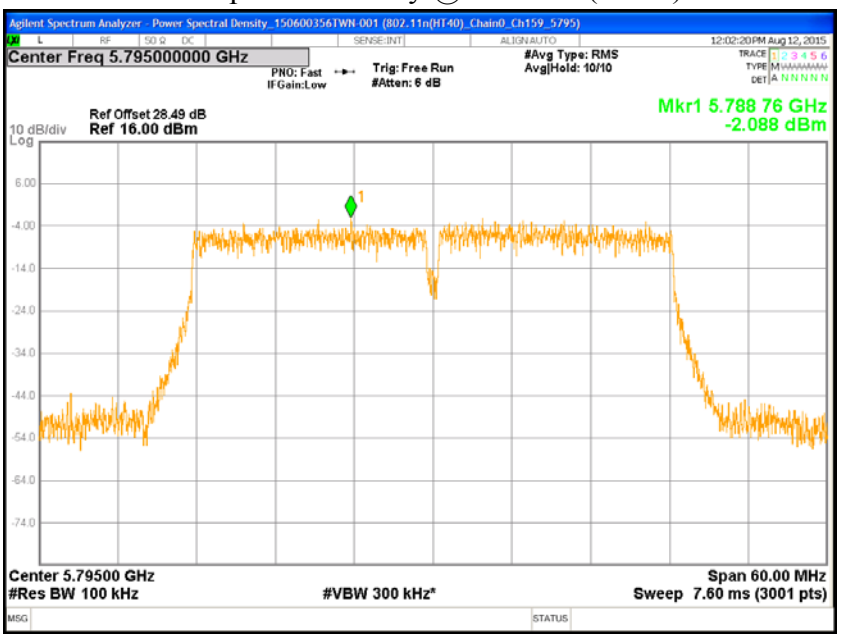
Note: Ref Offset 21.5 dB= Cable loss + Attenuation

Ref Offset 28.49 dB= Cable loss + Attenuation+10log(500/100)

Chain0 : Power Spectral Density @ 802.11an(HT40) Mode Ch151



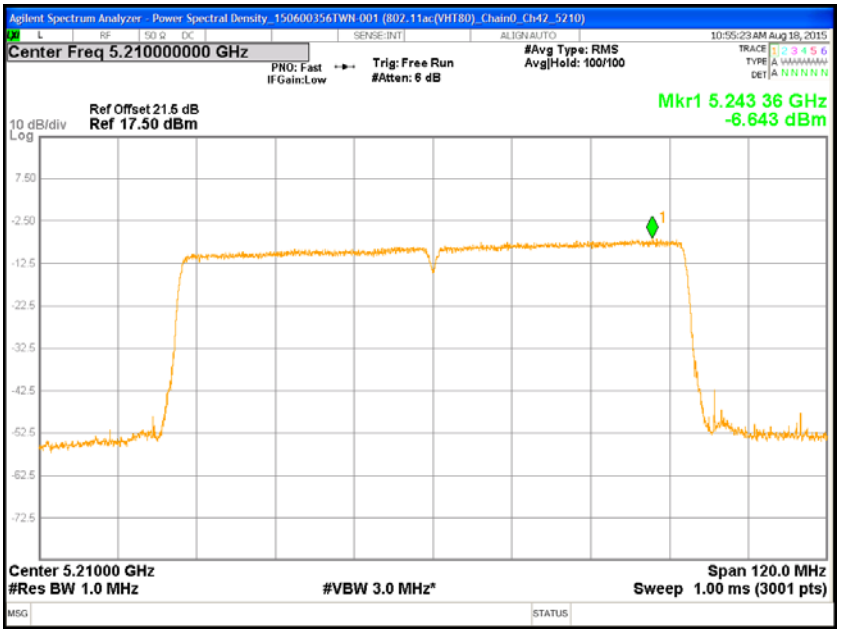
Chain0 : Power Spectral Density @ 802.11an(HT40) Mode Ch159



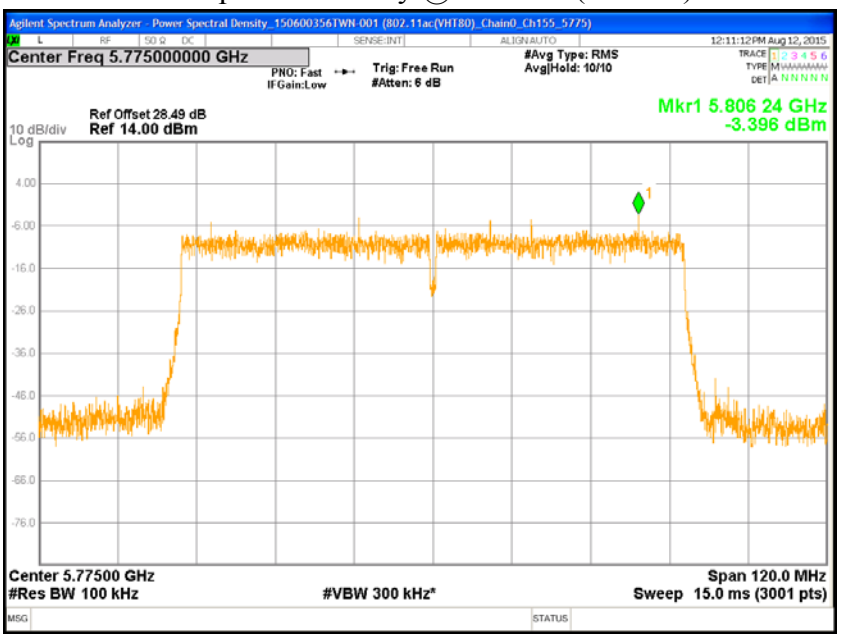
Note: Ref Offset 21.5 dB= Cable loss + Attenuation

Ref Offset 28.49 dB= Cable loss + Attenuation+10log(500/100)

Chain0 : Power Spectral Density @ 802.11ac(VHT80) Mode Ch42



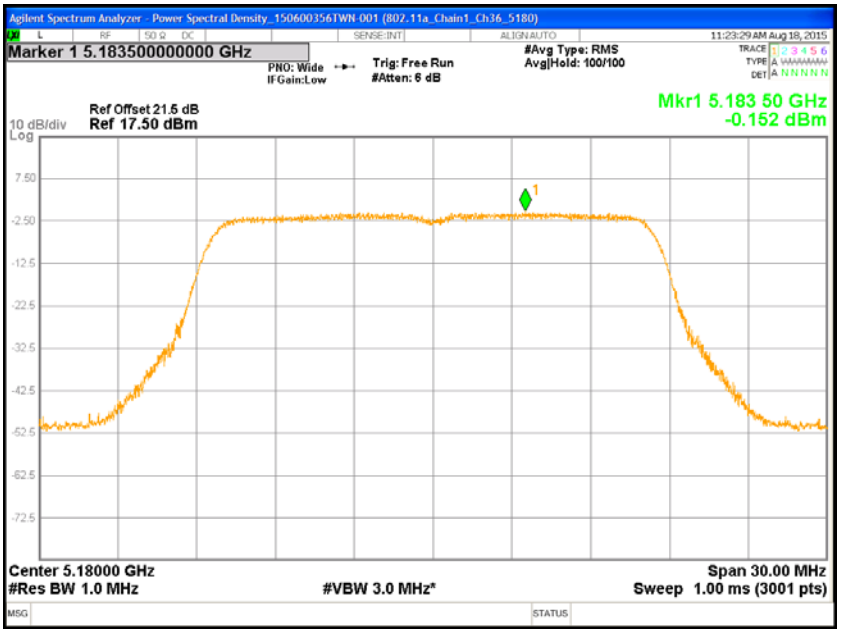
Chain0 : Power Spectral Density @ 802.11ac(VHT80) Mode Ch155



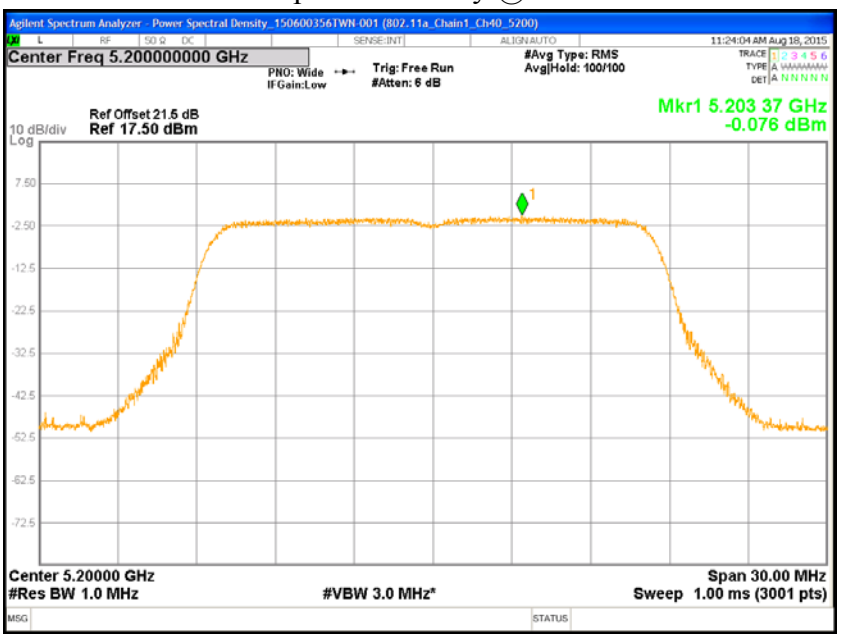
Note: Ref Offset 21.5 dB= Cable loss + Attenuation

Ref Offset 28.49 dB= Cable loss + Attenuation+10log(500/100)

Chain1 : Power Spectral Density @ 802.11a Mode Ch36



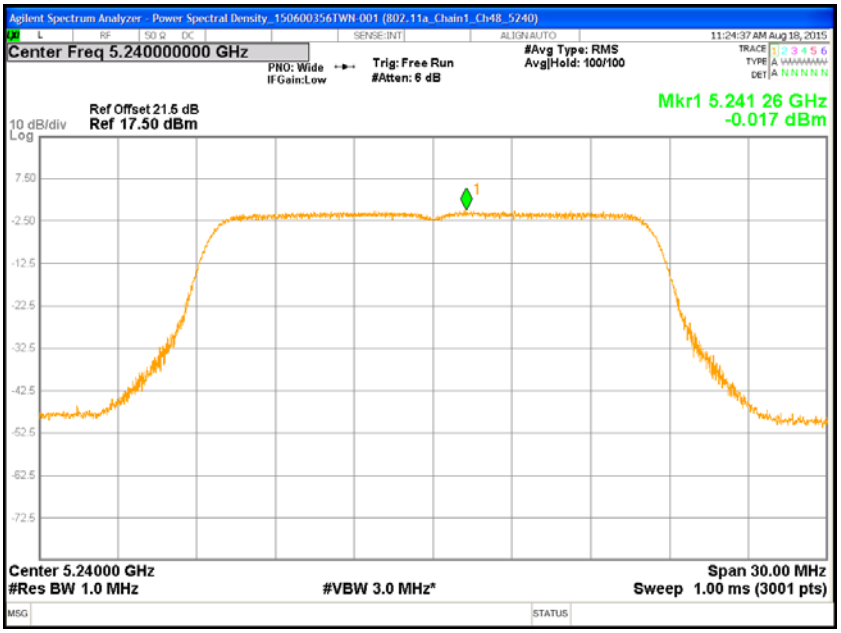
Chain1 : Power Spectral Density @ 802.11a Mode Ch40



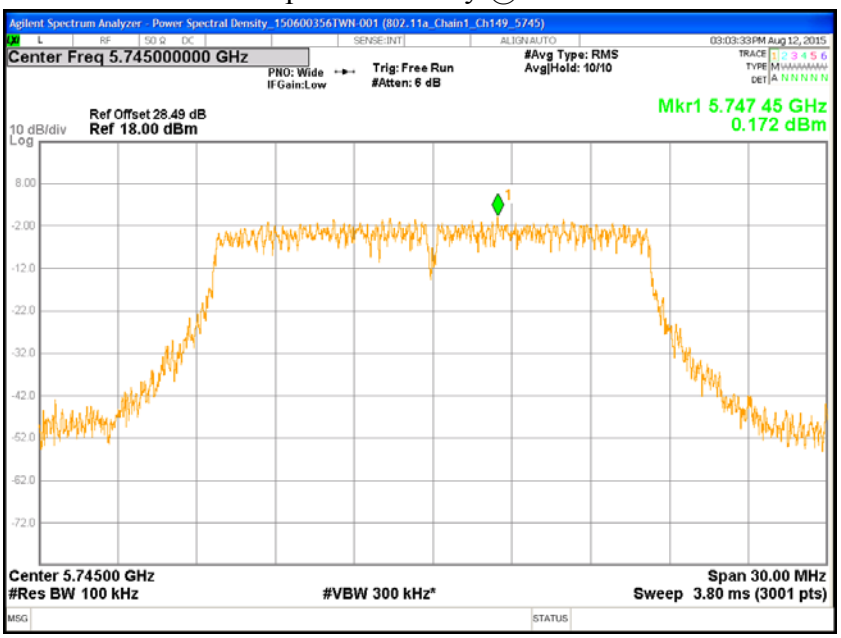
Note: Ref Offset 21.5 dB= Cable loss + Attenuation

Ref Offset 28.49 dB= Cable loss + Attenuation+10log(500/100)

Chain1 : Power Spectral Density @ 802.11a Mode Ch48



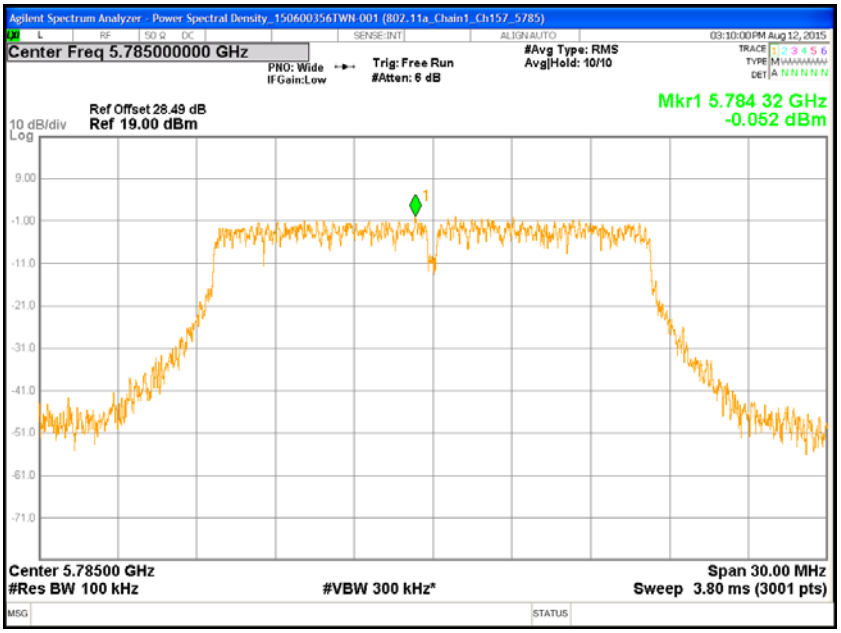
Chain1 : Power Spectral Density @ 802.11a Mode Ch149



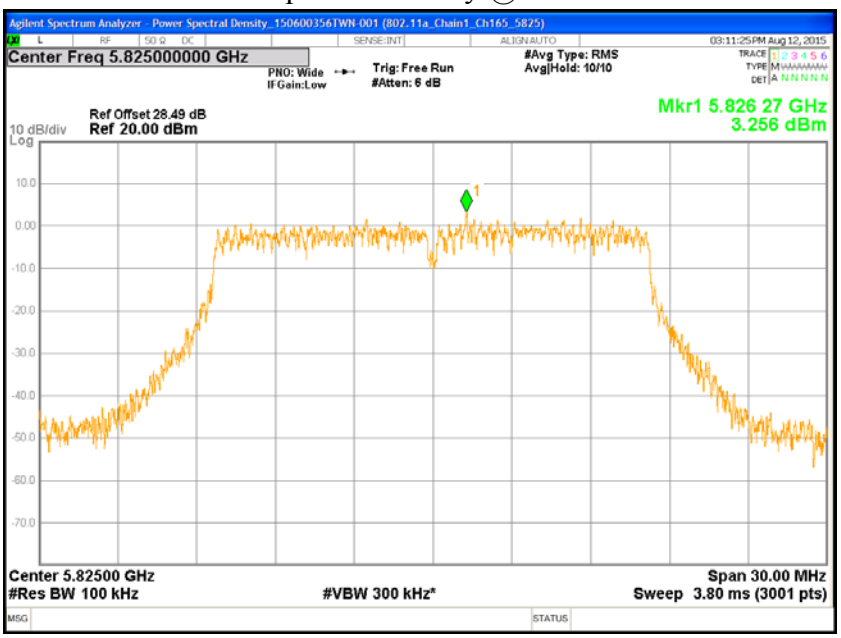
Note: Ref Offset 21.5 dB= Cable loss + Attenuation

Ref Offset 28.49 dB= Cable loss + Attenuation+10log(500/100)

Chain1 : Power Spectral Density @ 802.11a Mode Ch157



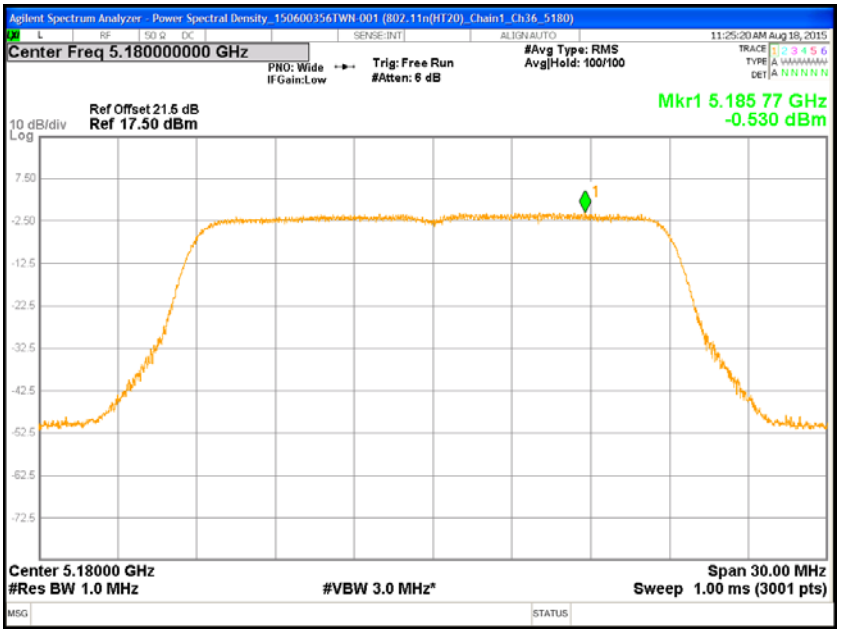
Chain1 : Power Spectral Density @ 802.11a Mode Ch165



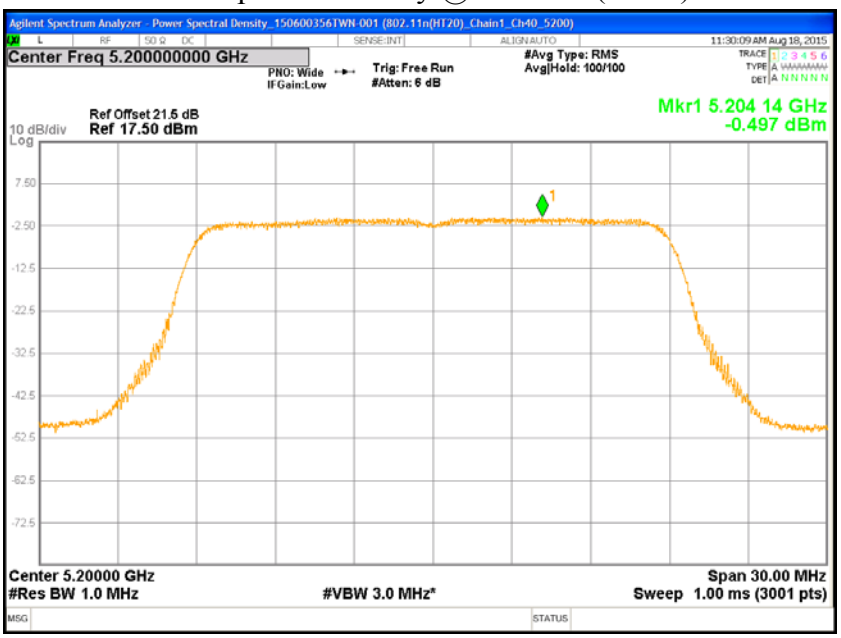
Note: Ref Offset 21.5 dB= Cable loss + Attenuation

Ref Offset 28.49 dB= Cable loss + Attenuation+10log(500/100)

Chain1 : Power Spectral Density @ 802.11an(HT20) Mode Ch36



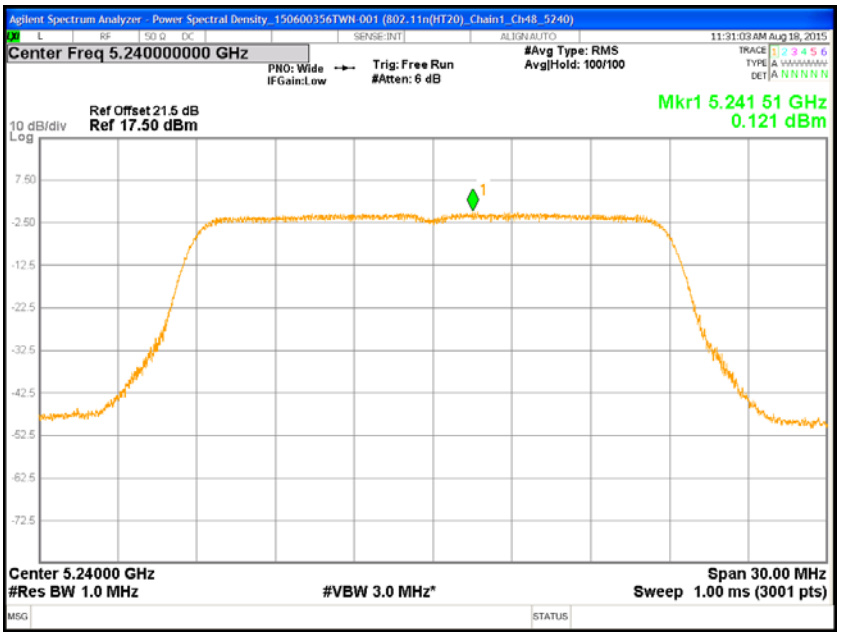
Chain1 : Power Spectral Density @ 802.11an(HT20) Mode Ch40



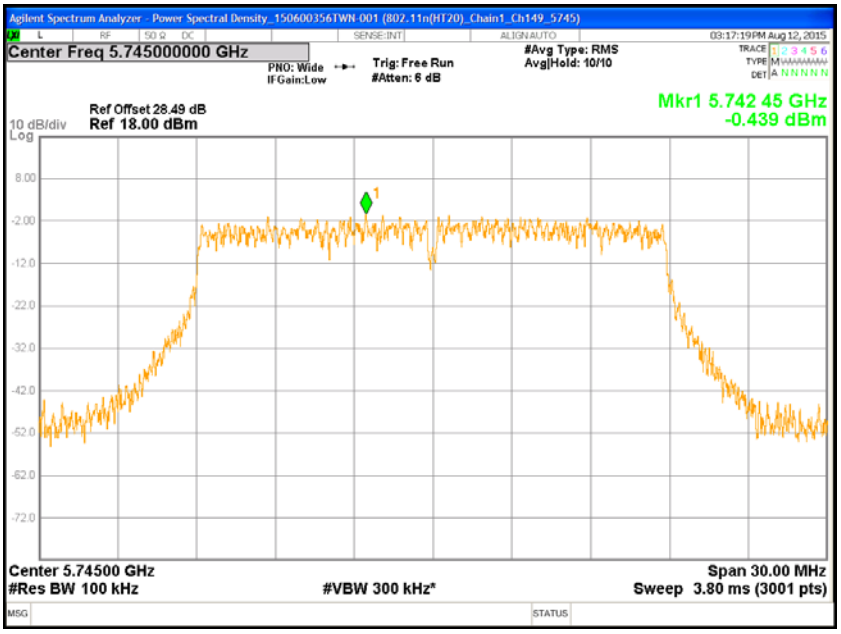
Note: Ref Offset 21.5 dB= Cable loss + Attenuation

Ref Offset 28.49 dB= Cable loss + Attenuation+10log(500/100)

Chain1 : Power Spectral Density @ 802.11an(HT20) Mode Ch48



Chain1 : Power Spectral Density @ 802.11an(HT20) Mode Ch149



Note: Ref Offset 21.5 dB= Cable loss + Attenuation

Ref Offset 28.49 dB= Cable loss + Attenuation+10log(500/100)