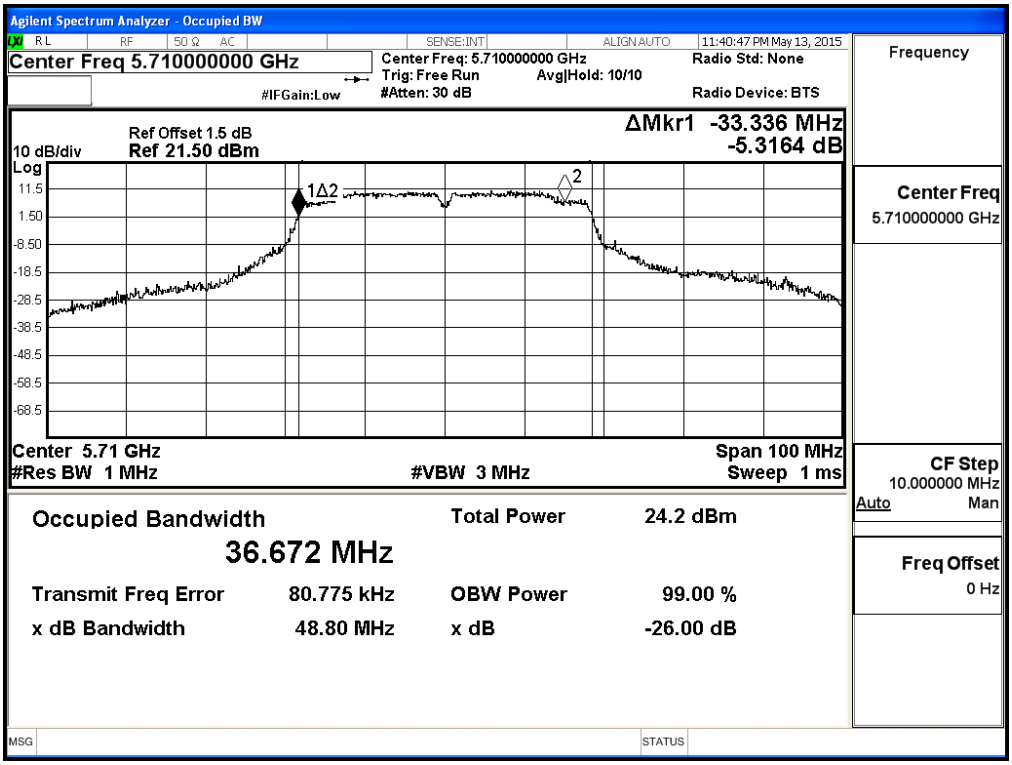
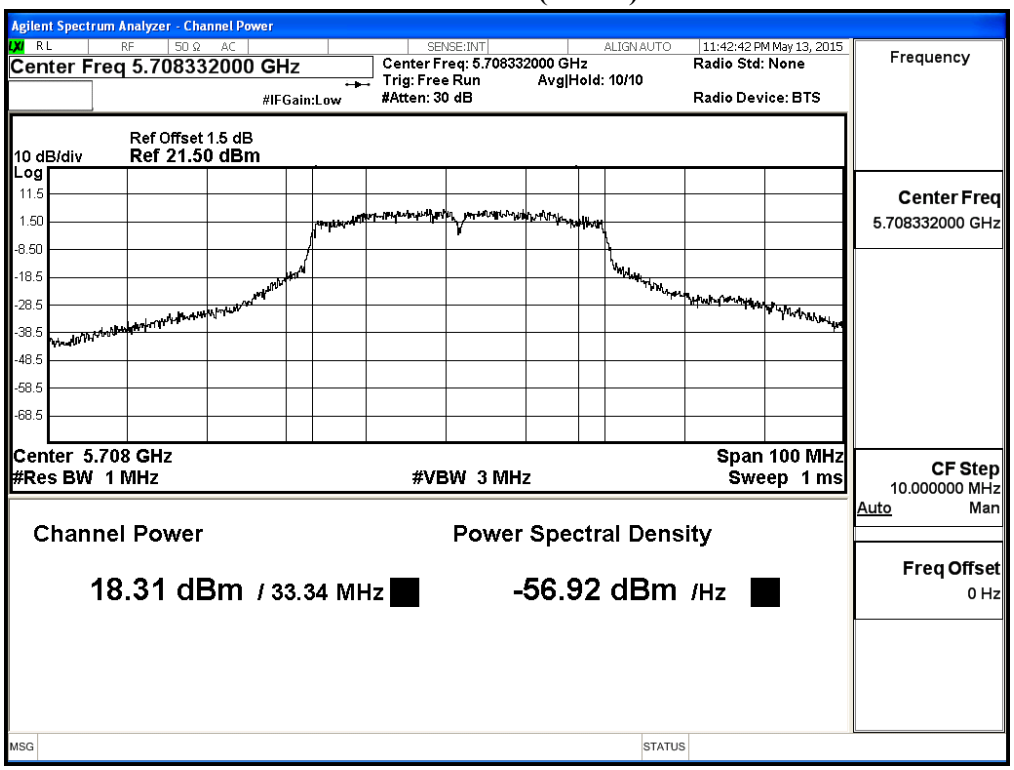
99% Occupied Bandwidth:

Channel 142

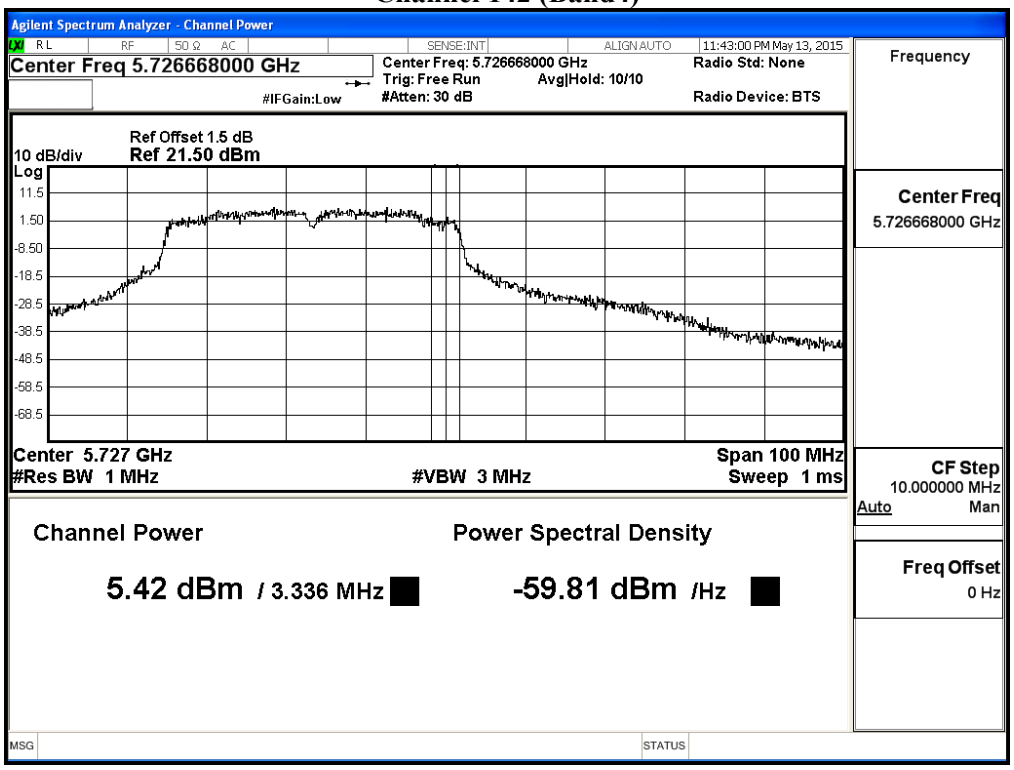


Maximum conducted output power:

Channel 142 (Band3)



Channel 142 (Band4)



Product : Intel® Dual Band Wireless-AC 8260
Test Item : Maximum conducted output power
Test Site : No.3 OATS
Test Mode : Mode 2 SISO B: Transmit (802.11ac-80BW-32.5Mbps)

Cable loss=1dB		Maximum conducted output power										
Channel No	Frequency (MHz)	Data Rate (Mbps)										Required Limit
		VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8	VTH9	
42	5210	16.74	16.63	16.61	16.59	16.57	16.55	16.53	16.51	16.49	16.47	<30dBm
58	5290	15.94	15.82	15.74	15.66	15.52	15.44	15.31	15.2	15.06	14.93	<24dBm
106	5530	14.99	14.83	14.67	14.55	14.47	14.36	14.27	14.19	14.02	13.97	<24dBm
122	5610	16.19	16.11	16.03	15.95	15.87	15.79	15.71	15.63	15.55	15.47	<24dBm
138(Band3)	5690	17.4	17.36	17.22	17.19	17.02	16.87	16.72	16.63	16.58	16.47	<24dBm
138(Band4)	5690	0.11	0.05	-0.14	-0.27	-0.46	-0.57	-0.63	-0.74	-0.88	-0.97	<30dBm

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

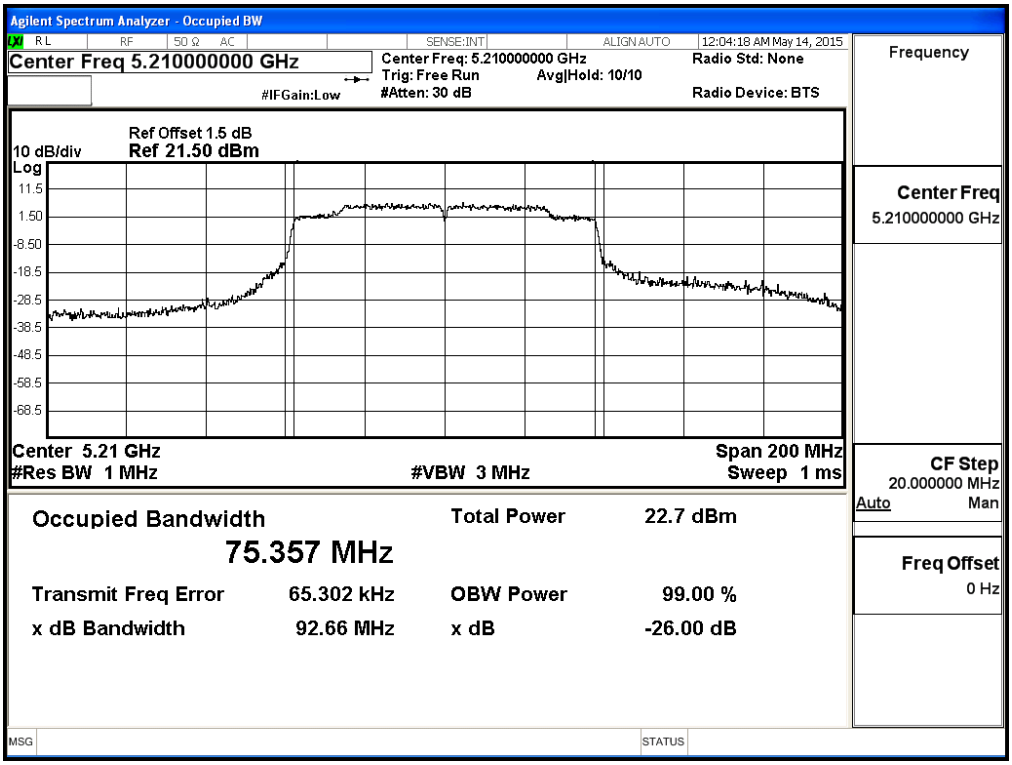
Maximum conducted output power Measurement

Channel No	Frequency Range (MHz)	99% Bandwidth (MHz)	Output Power (dBm)	Duty Factor (dB)	Total Output Power (dBm)	Output Power Limit	
						(dBm)	dBm+10log(BW)
42	5210	75.357	16.74	0.283	17.023	24	29.77
58	5290	75.272	15.94	0.283	16.223	24	29.77
106	5530	75.249	14.99	0.283	15.273	24	29.77
122	5610	75.121	16.19	0.283	16.473	24	29.76
138(Band3)	5690	72.709	17.40	0.283	17.683	24	29.62
138(Band4)	5690	2.709	0.11	0.283	0.393	30	21.33

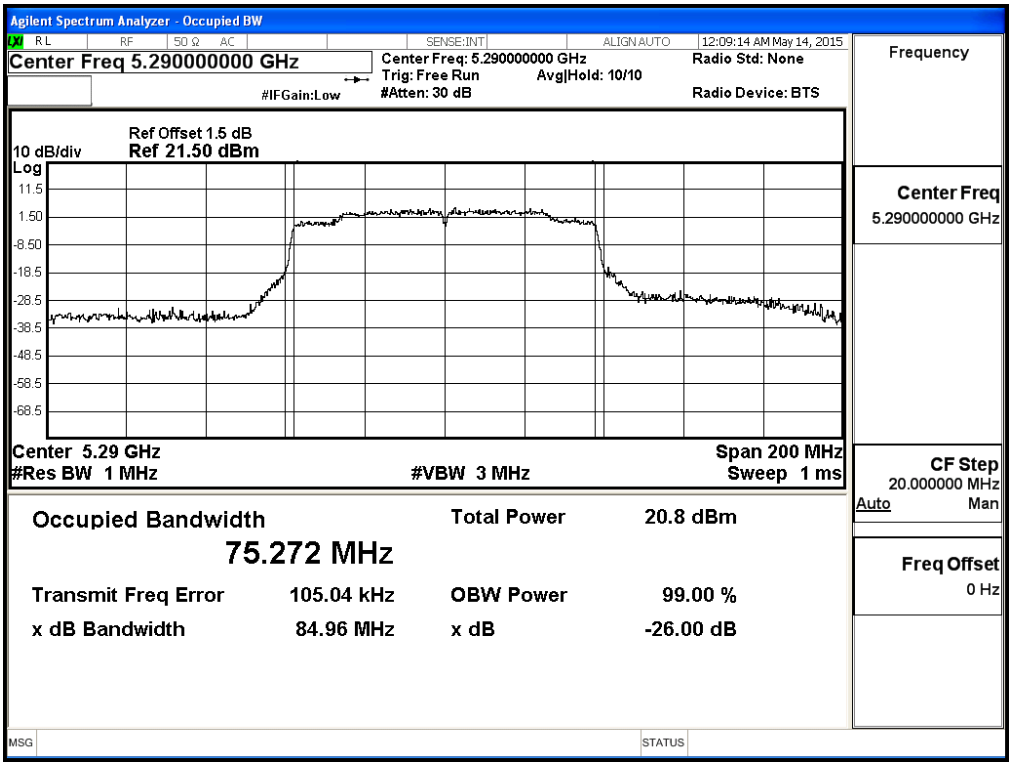
Note: Total Output Power Value = Output Power value + Duty Factor

99% Occupied Bandwidth:

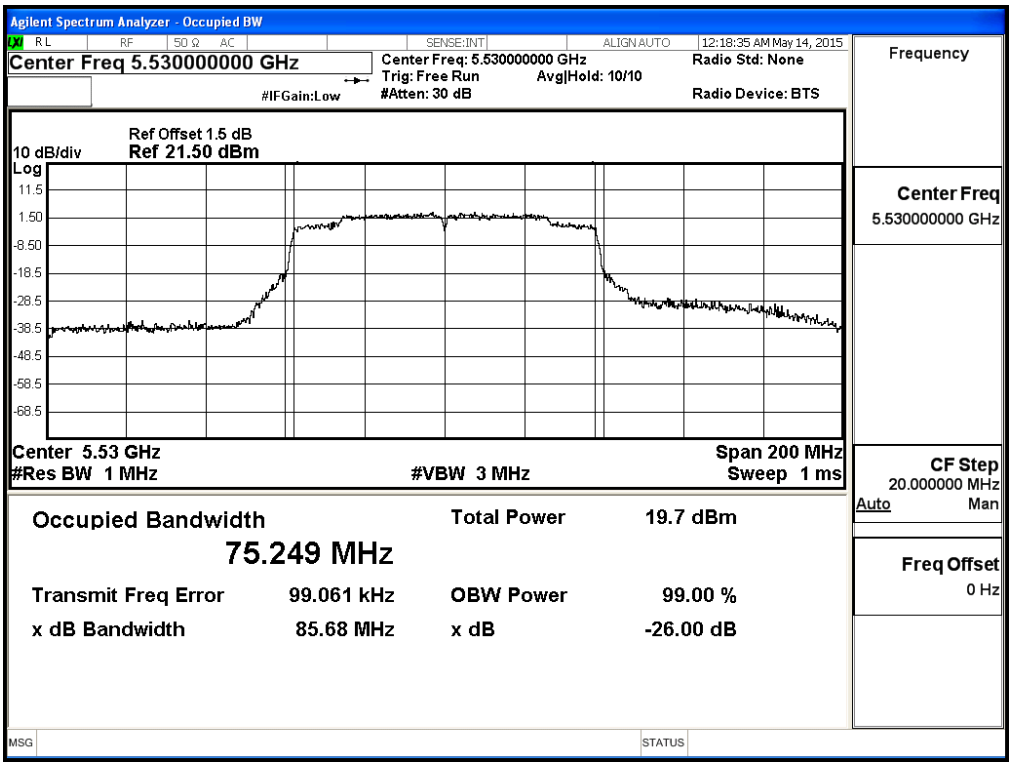
Channel 42



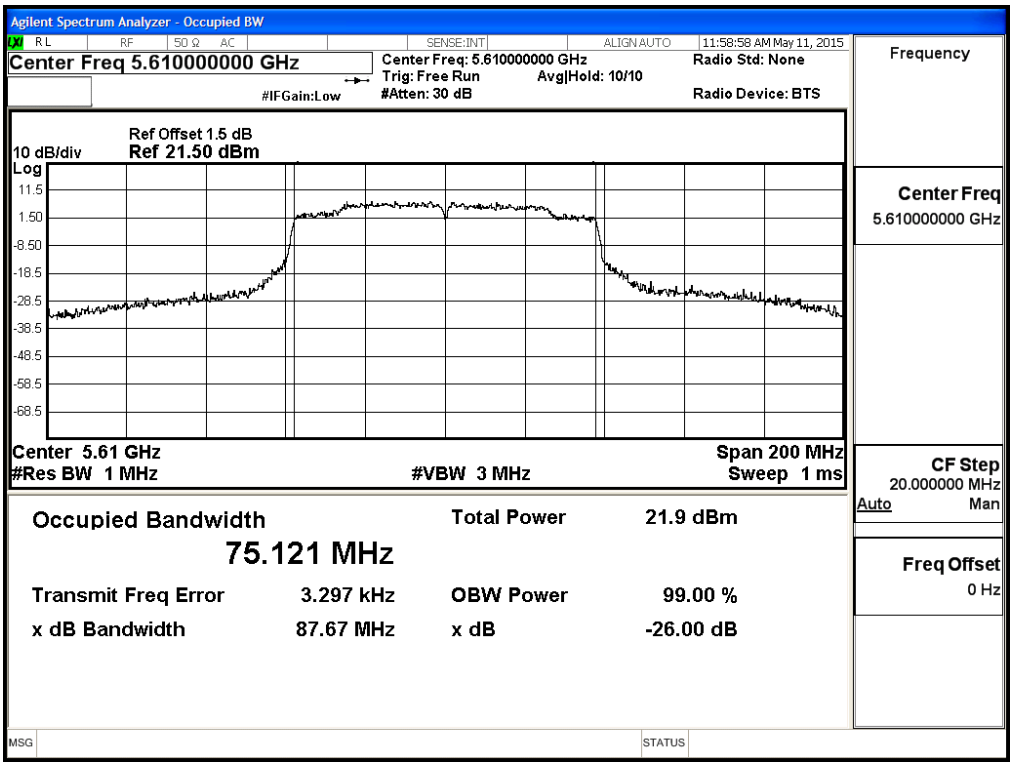
Channel 58



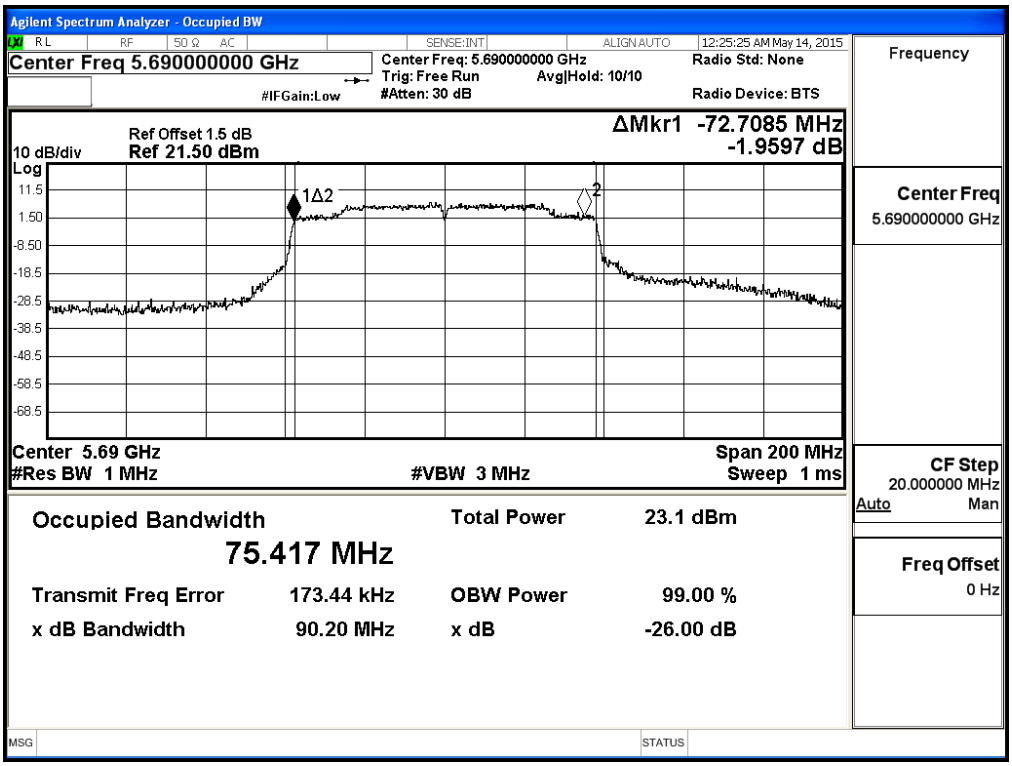
Channel 106



Channel 122

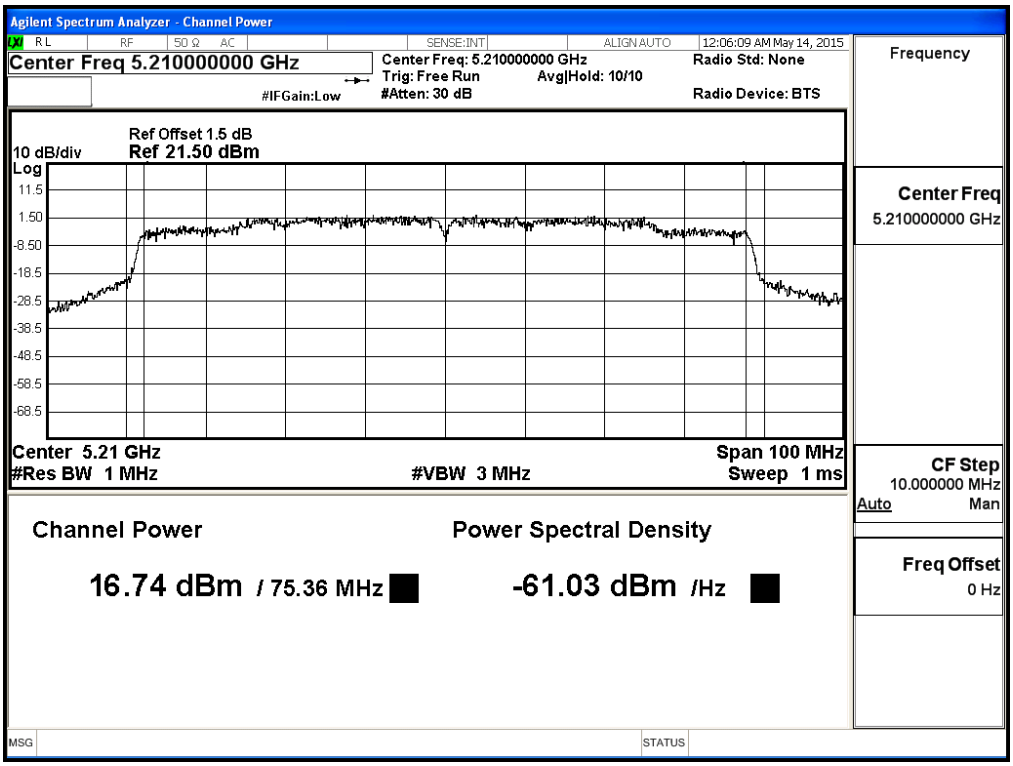


Channel 138


Agilent Spectrum Analyzer - Occupied BW
RL
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
12:25:25 AM May 14, 2015
Center Freq 5.690000000 GHz
Center Freq: 5.690000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#IFGain:Low
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Frequency
Ref Offset 1.5 dB
10 dB/div
Ref 21.50 dBm
ΔMkr1 -72.7085 MHz
-1.9597 dB
Log
11.5
1.50
-8.50
-18.5
-28.5
-38.5
-48.5
-58.5
-68.5
1Δ2
2
Center Freq
5.690000000 GHz
Center 5.69 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 200 MHz
Sweep 1 ms
CF Step
20.000000 MHz
Auto
Man
Occupied Bandwidth
75.417 MHz
Total Power
23.1 dBm
Freq Offset
0 Hz
Transmit Freq Error
173.44 kHz
OBW Power
99.00 %
x dB Bandwidth
90.20 MHz
x dB
-26.00 dB
MSG
STATUS

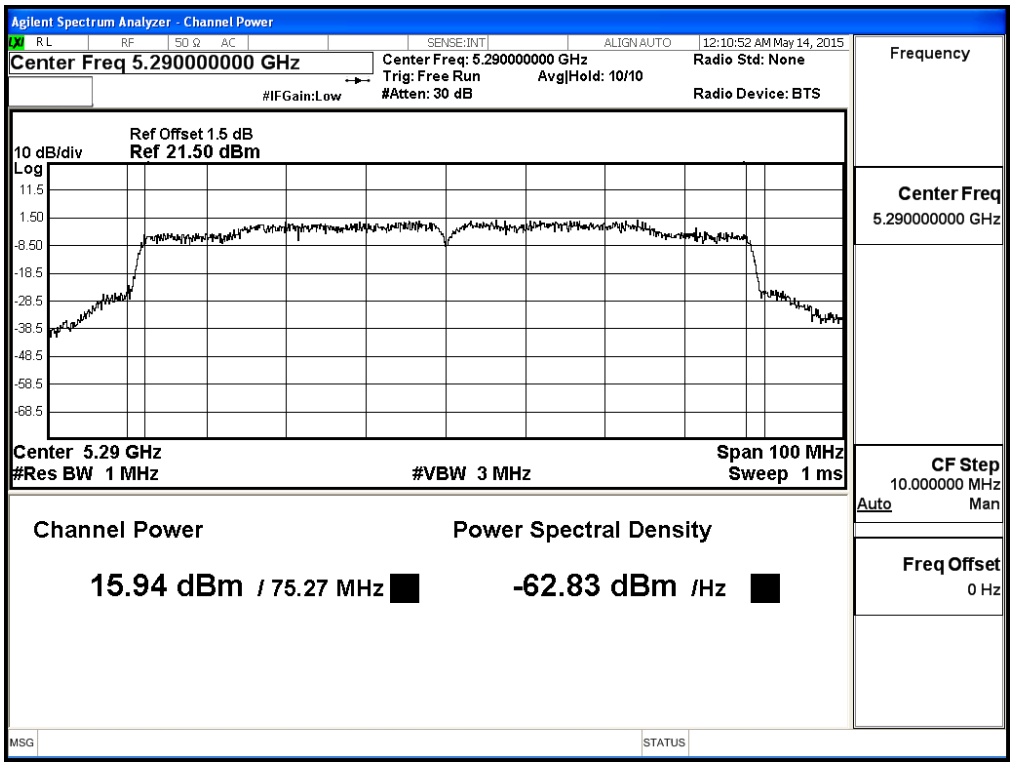
Maximum conducted output power:

Channel 42



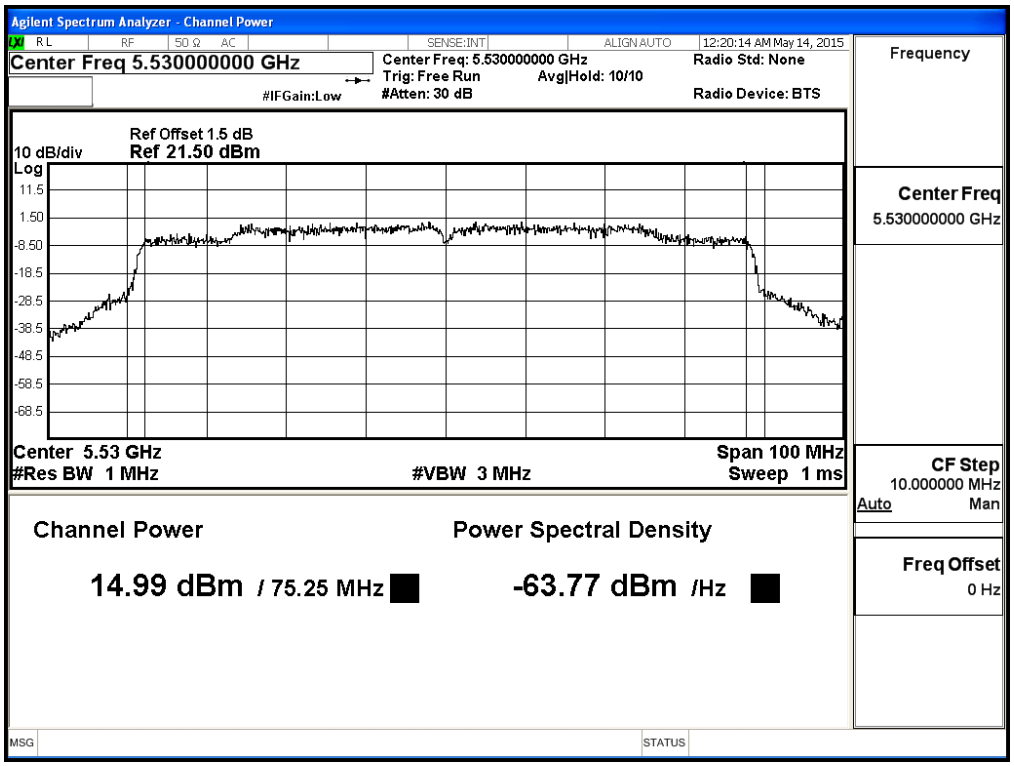
Maximum conducted output power:

Channel 58



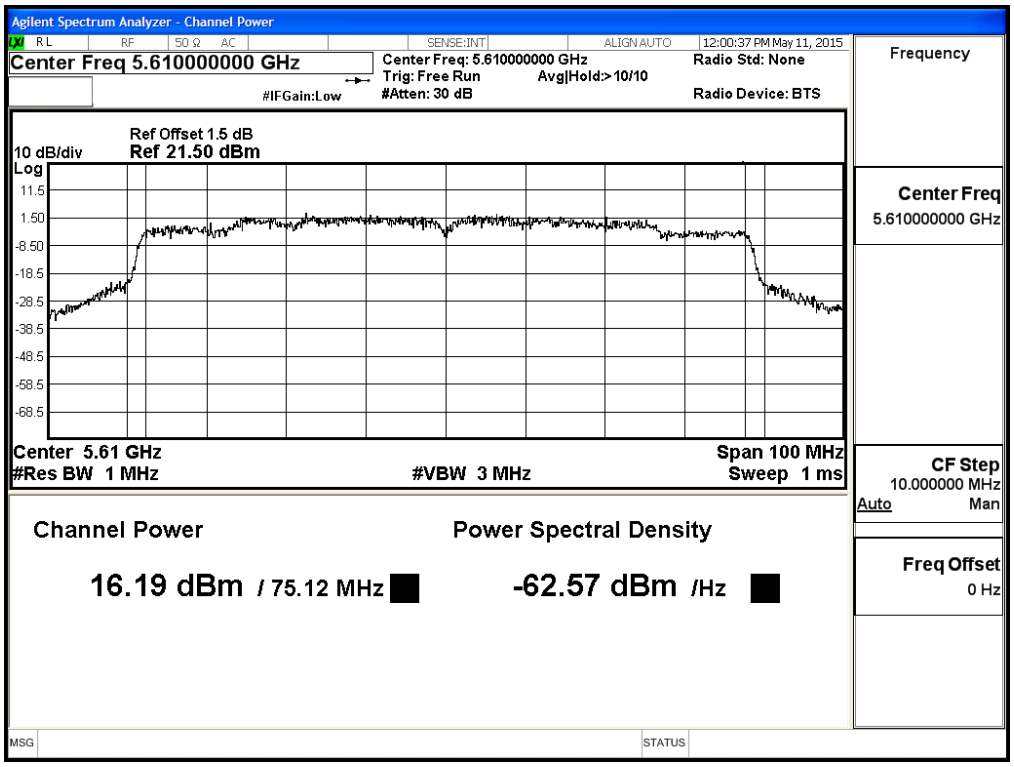
Maximum conducted output power:

Channel 106



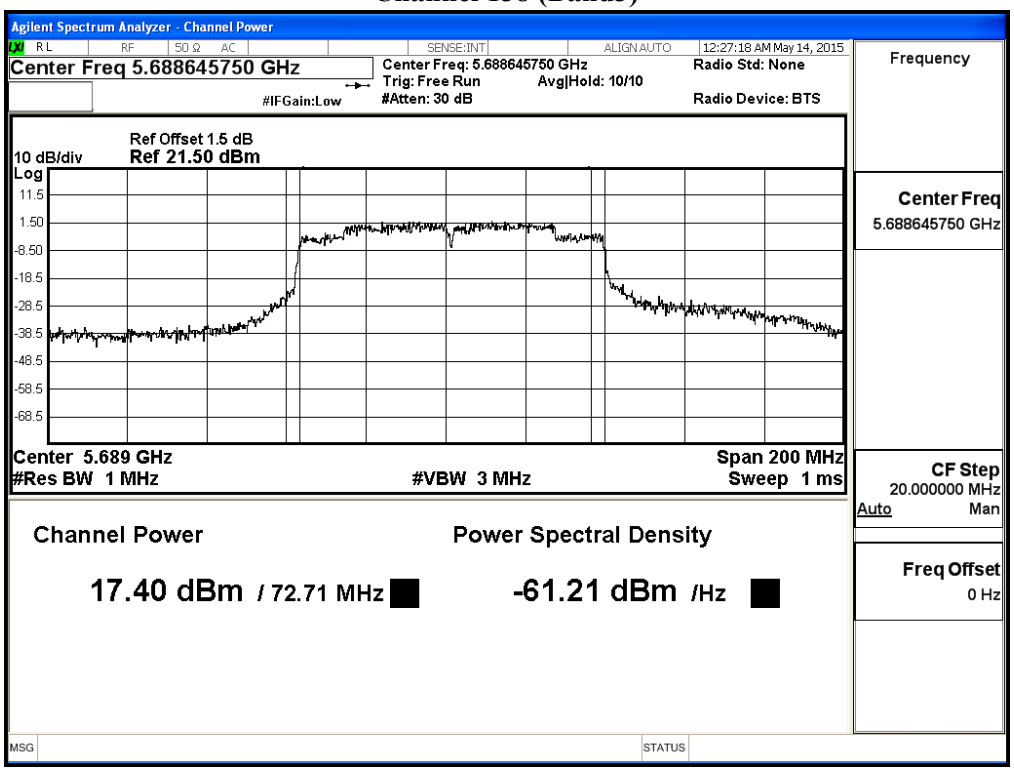
Maximum conducted output power:

Channel 122



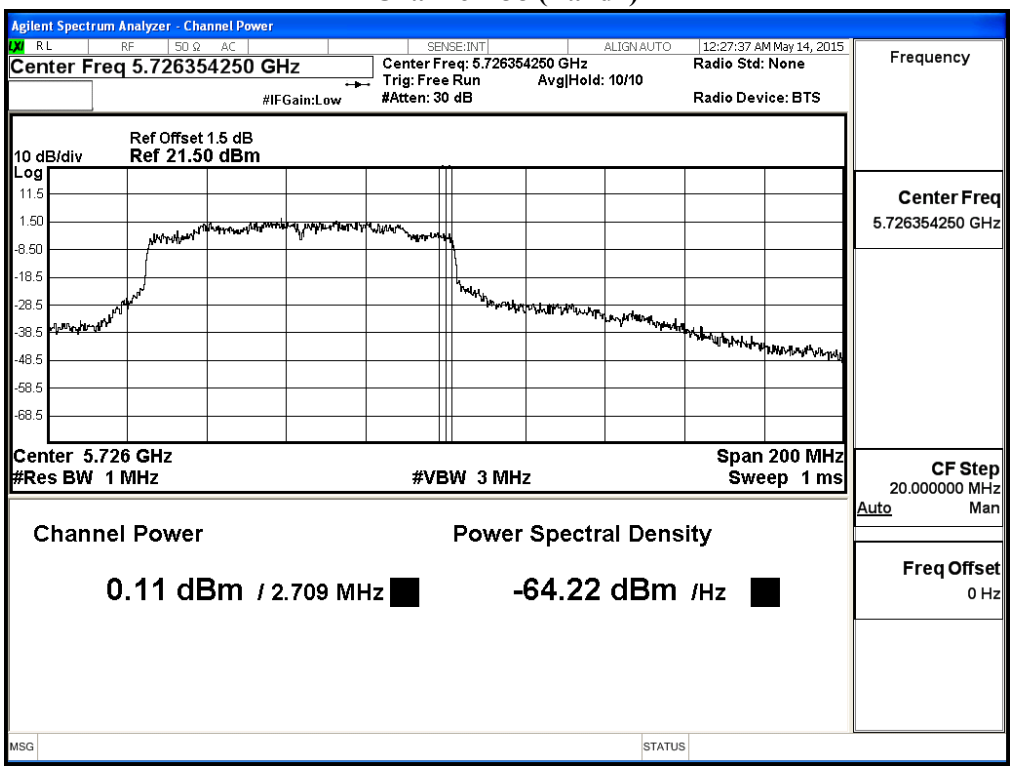
Maximum conducted output power:

Channel 138 (Band3)



Maximum conducted output power:

Channel 138 (Band4)



Product : Intel® Dual Band Wireless-AC 8260
Test Item : Maximum conducted output power
Test Site : No.3 OATS
Test Mode : Mode 3 MIMO: Transmit (802.11n-20BW 14.4Mbps)

CHAIN A

Cable loss=1dB		Maximum conducted output power								
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Required Limit
		HT8	HT9	HT10	HT11	HT12	HT13	HT14	HT15	
		Measurement Level (dBm)								
36	5180	18.19	--	--	--	--	--	--	--	<30dBm
44	5220	18.25	18.16	18.02	17.93	17.87	17.73	17.66	17.58	<30dBm
48	5240	18.02	--	--	--	--	--	--	--	<30dBm
52	5260	18.25	--	--	--	--	--	--	--	<24dBm
60	5300	18.41	18.36	18.25	18.17	18.02	17.96	17.87	17.71	<24dBm
64	5320	17.01	--	--	--	--	--	--	--	<24dBm
100	5500	17.21	--	--	--	--	--	--	--	<24dBm
116	5580	18.53	18.46	18.33	18.2	18.17	18.02	17.93	17.85	<24dBm
140	5700	18.68	--	--	--	--	--	--	--	<24dBm

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

CHAIN B

Cable loss=1dB		Maximum conducted output power								
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Required Limit
		HT8	HT9	HT10	HT11	HT12	HT13	HT14	HT15	
		Measurement Level (dBm)								
36	5180	18.41	--	--	--	--	--	--	--	<30dBm
44	5220	17.99	17.86	17.73	17.64	17.55	17.48	17.32	17.28	<30dBm
48	5240	17.97	--	--	--	--	--	--	--	<30dBm
52	5260	17.81	--	--	--	--	--	--	--	<24dBm
60	5300	17.99	17.85	17.79	17.62	17.54	17.43	17.33	17.26	<24dBm
64	5320	16.78	--	--	--	--	--	--	--	<24dBm
100	5500	17.32	--	--	--	--	--	--	--	<24dBm
116	5580	17.89	17.76	17.69	17.52	17.48	17.39	17.24	17.11	<24dBm
140	5700	17.6	--	--	--	--	--	--	--	<24dBm

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Maximum conducted output power Measurement:

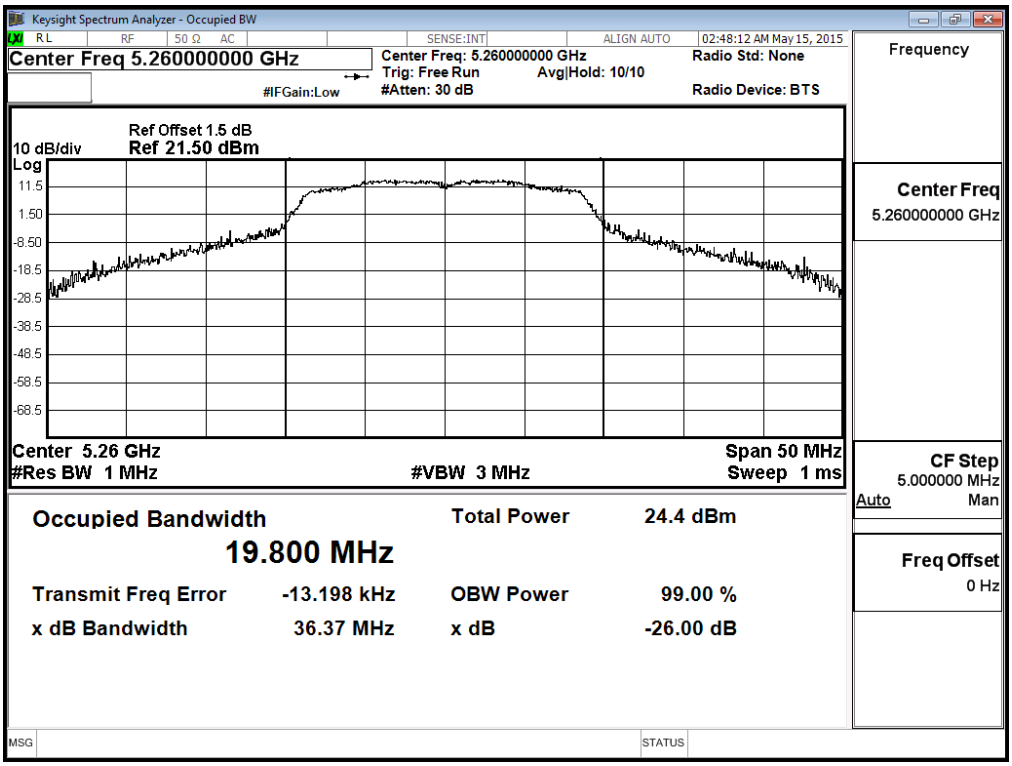
(CHAIN A+ B)

Channel Number	Frequency (MHz)	99% Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Duty Factor (dB)	Total Output Power (dBm)	Output Power Limit	
							(dBm)	dBm+10log(BW)
36	5180	--	18.19	18.41	0.088	21.400	24	--
44	5220	--	18.25	17.99	0.088	21.220	24	--
48	5240	--	18.02	17.97	0.088	21.093	24	--
52	5260	19.142	18.25	17.81	0.088	21.134	24	23.82
60	5300	19.949	18.41	17.99	0.088	21.303	24	24.00
64	5320	18.564	17.01	16.78	0.088	19.995	24	23.69
100	5500	18.567	17.21	17.32	0.088	20.364	24	23.69
116	5580	18.785	18.53	17.89	0.088	21.320	24	23.74
140	5700	17.373	18.68	17.60	0.088	21.272	24	23.40

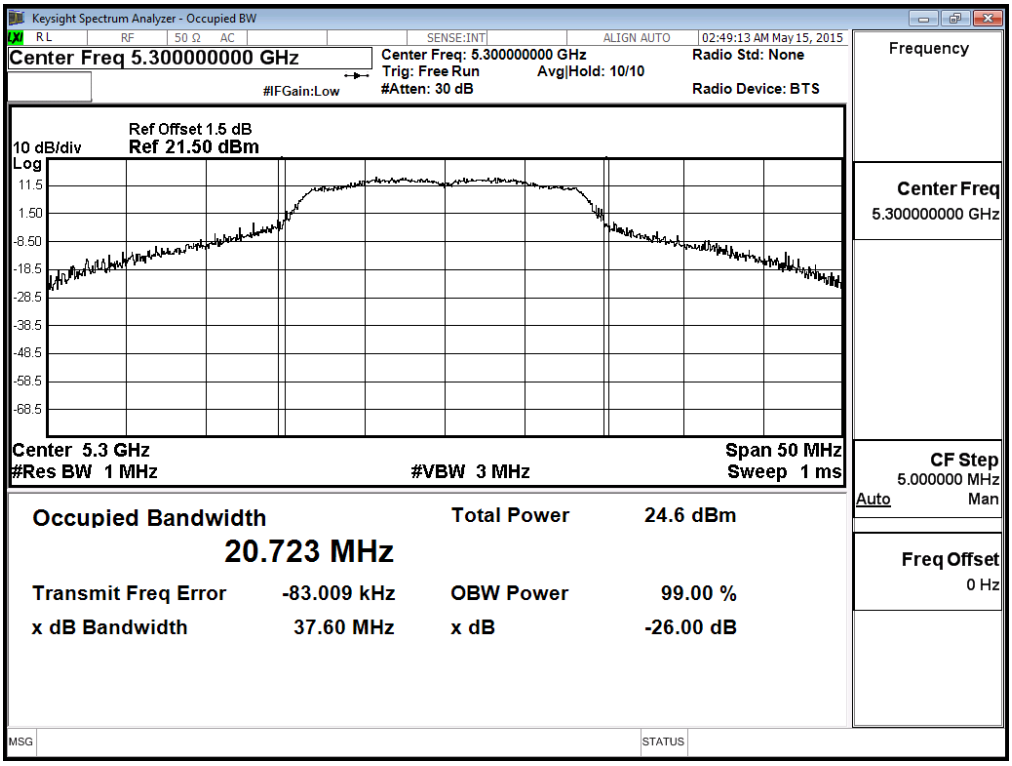
Note:

1. Total Output Power (dBm) = 10LOG (Chain A Power (mW) + Chain B Power (mW)) + Duty Factor.
2. 26 dB Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.

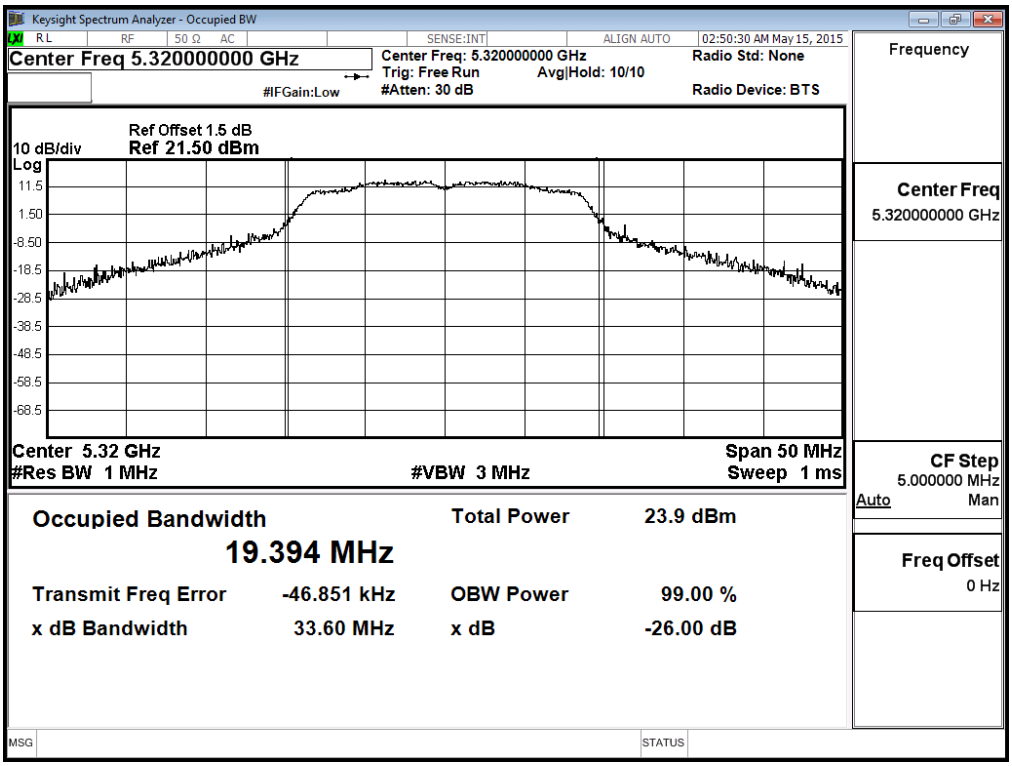
99% Occupied Bandwidth:
Channel 52 -Chain A



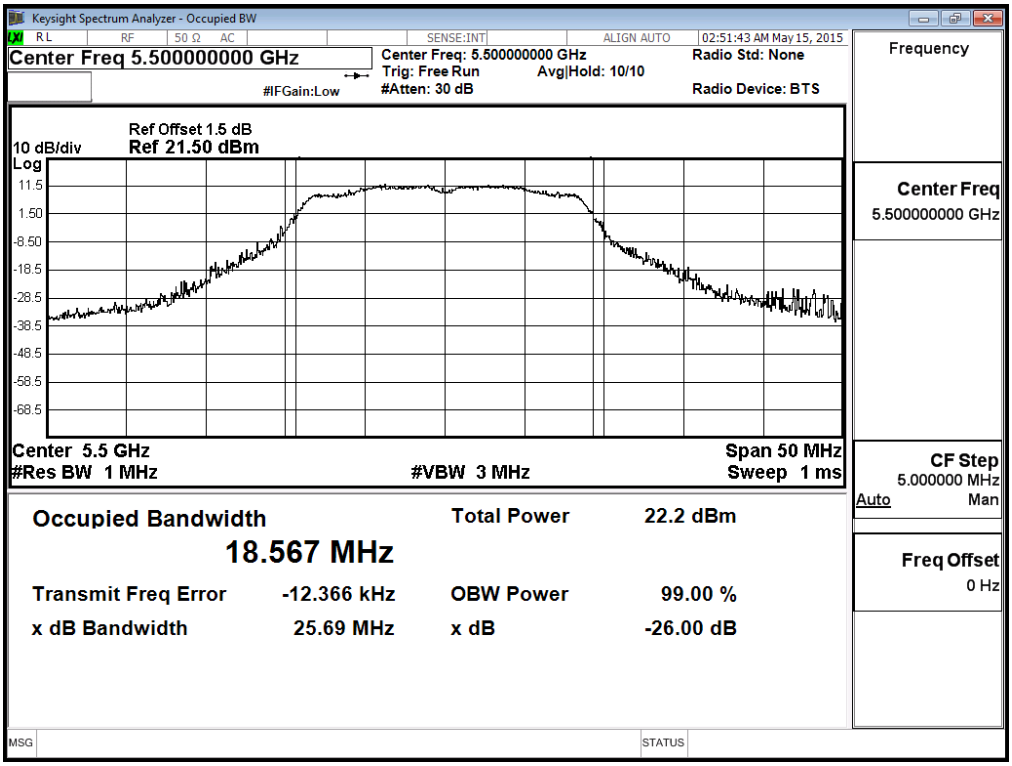
Channel 60 -Chain A



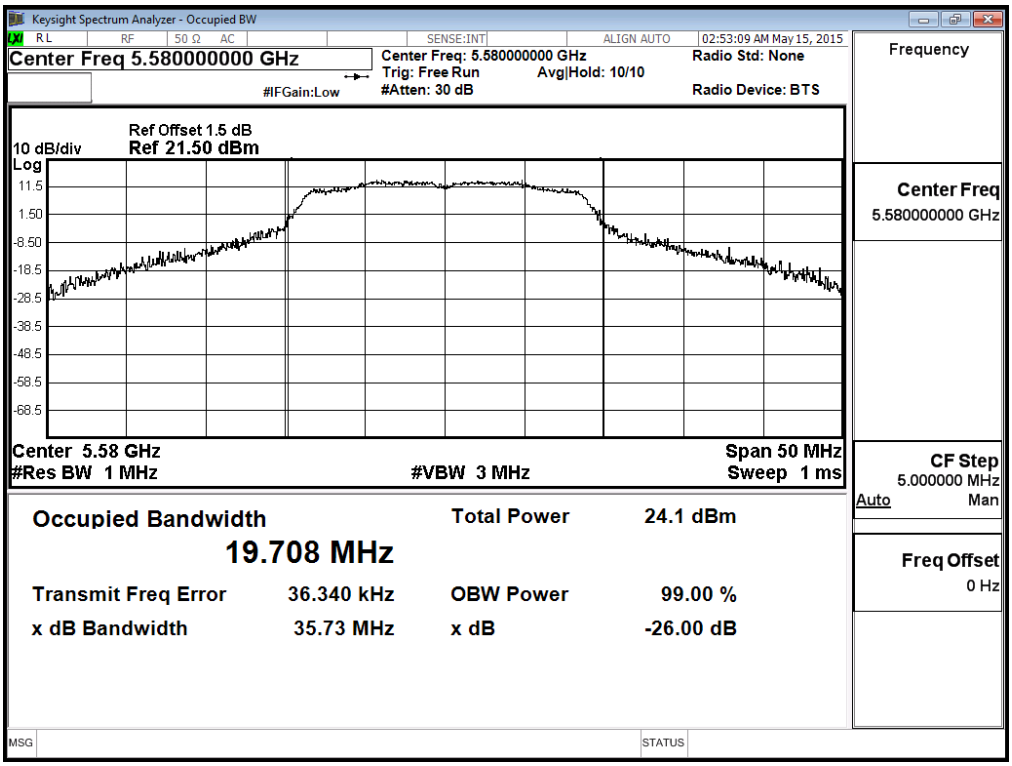
Channel 64 -Chain A



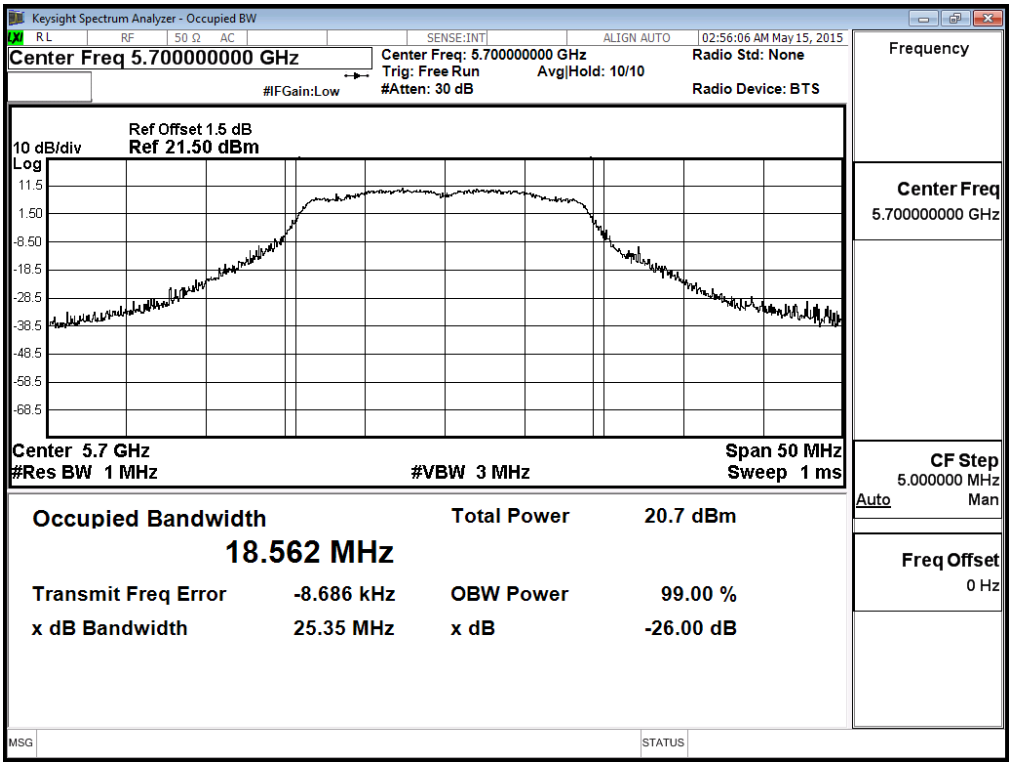
Channel 100 -Chain A



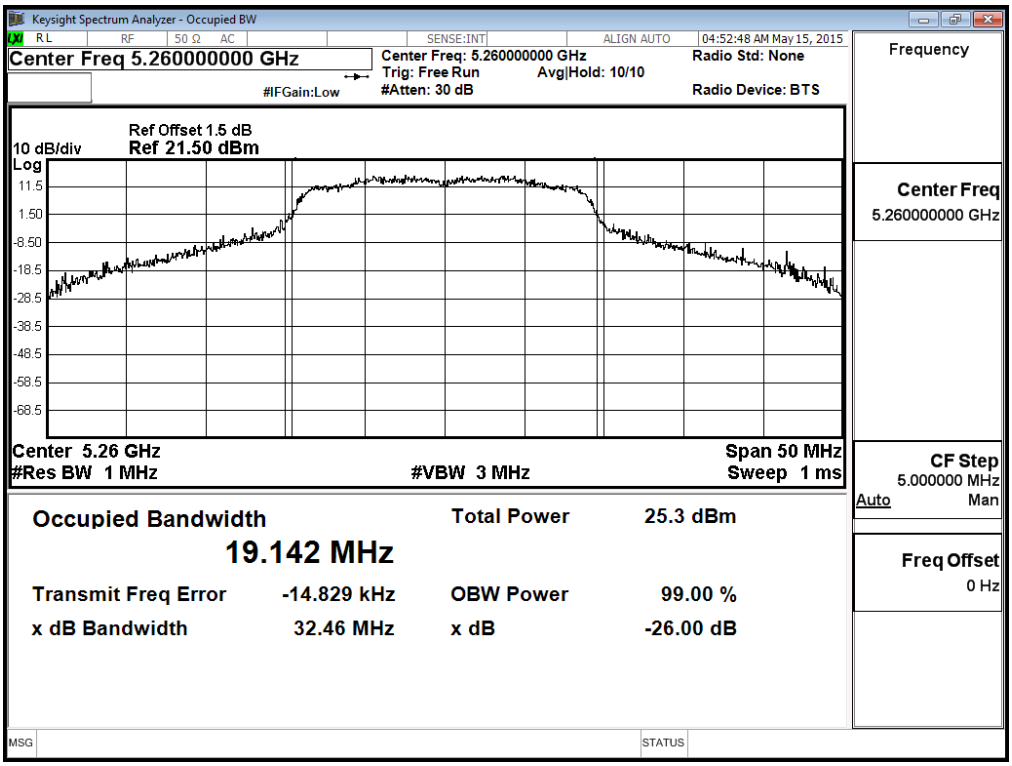
Channel 116 -Chain A



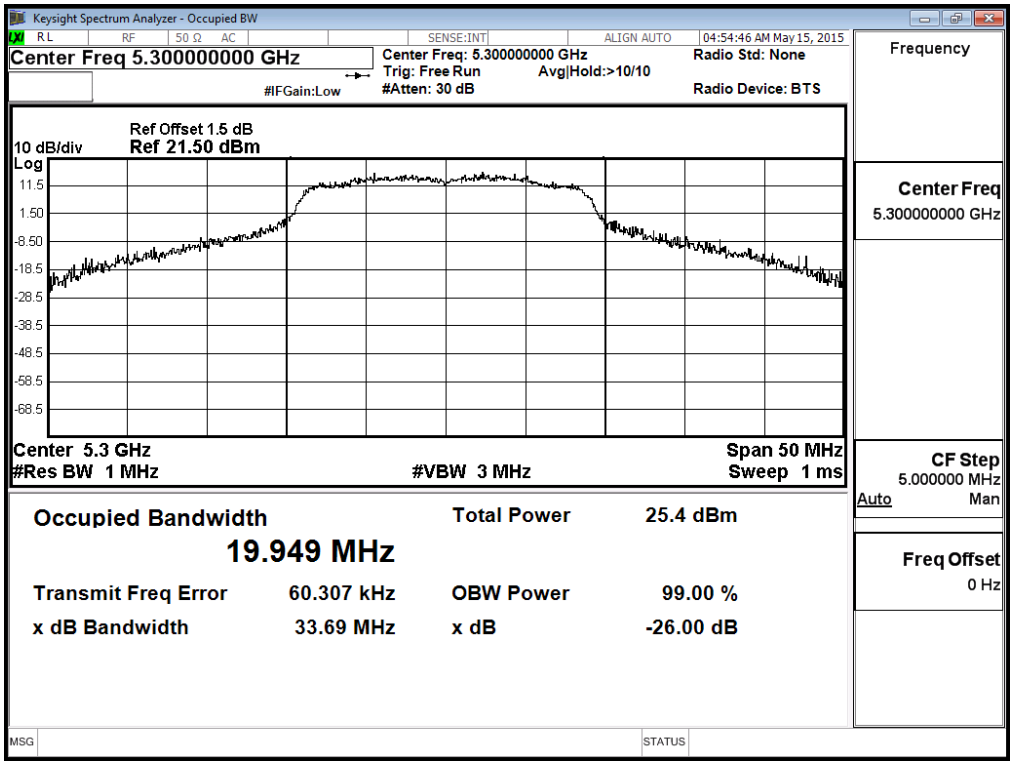
Channel 140 -Chain A



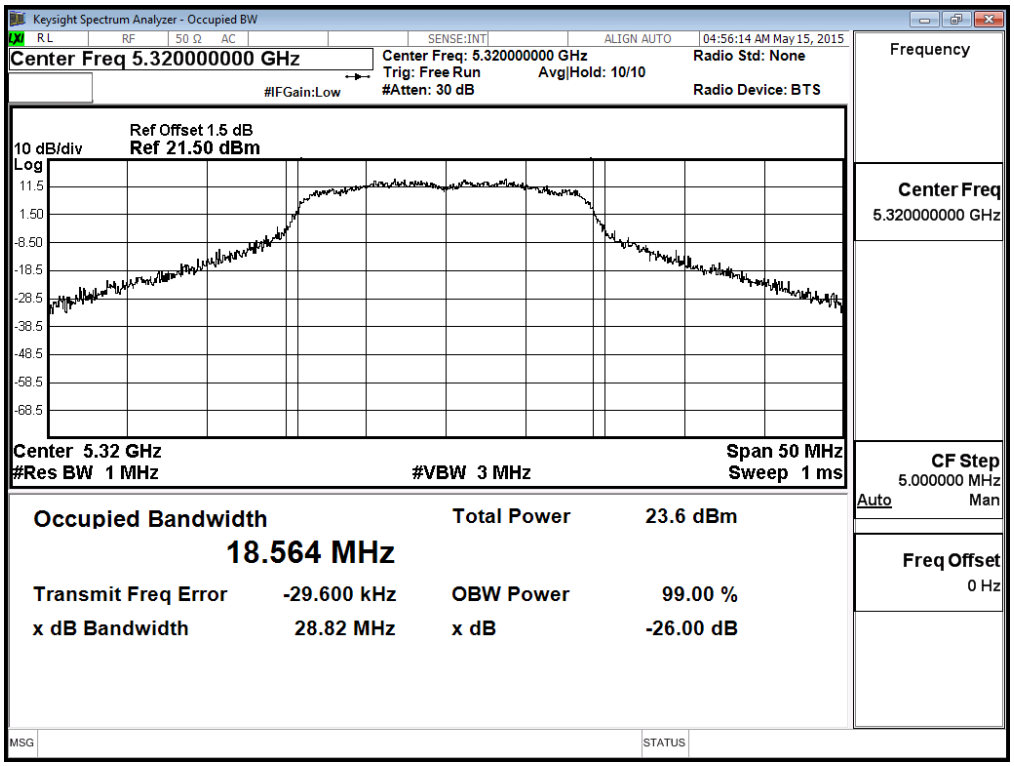
99% Occupied Bandwidth:
Channel 52 -Chain B



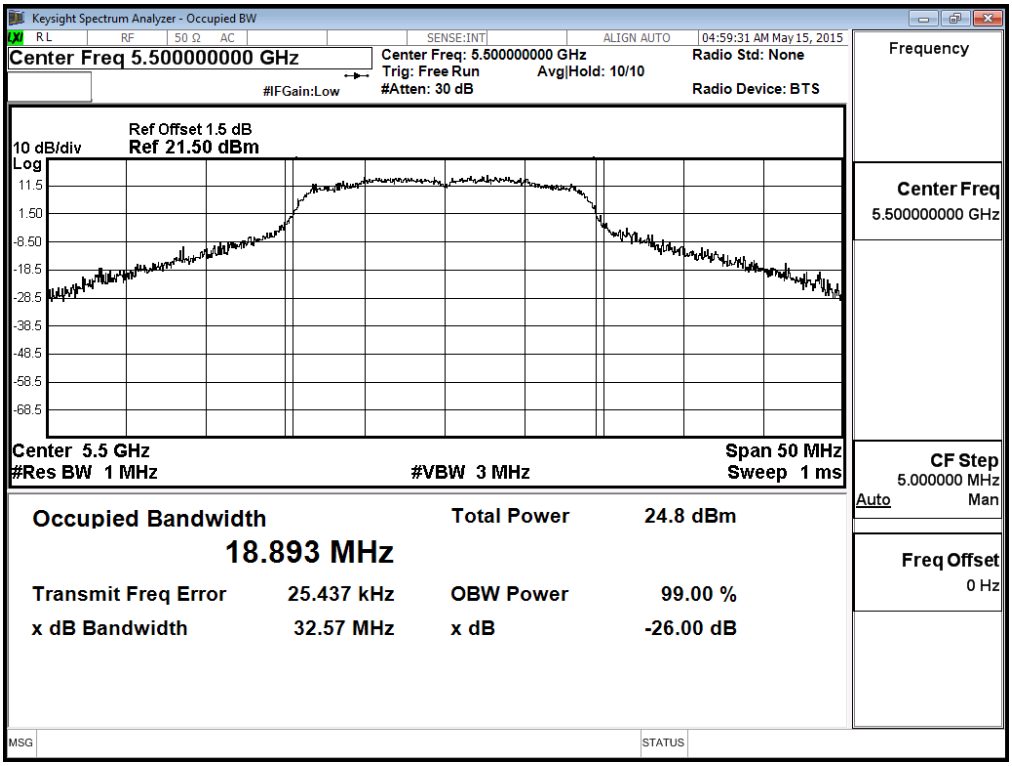
Channel 60 -Chain B



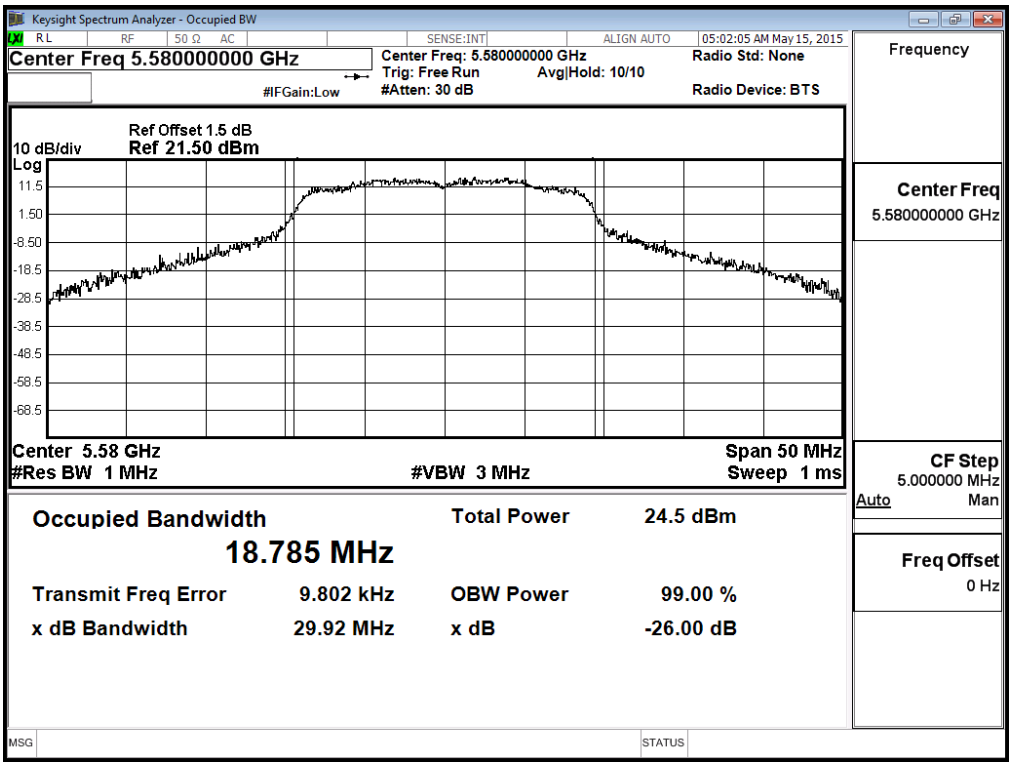
Channel 64 -Chain B



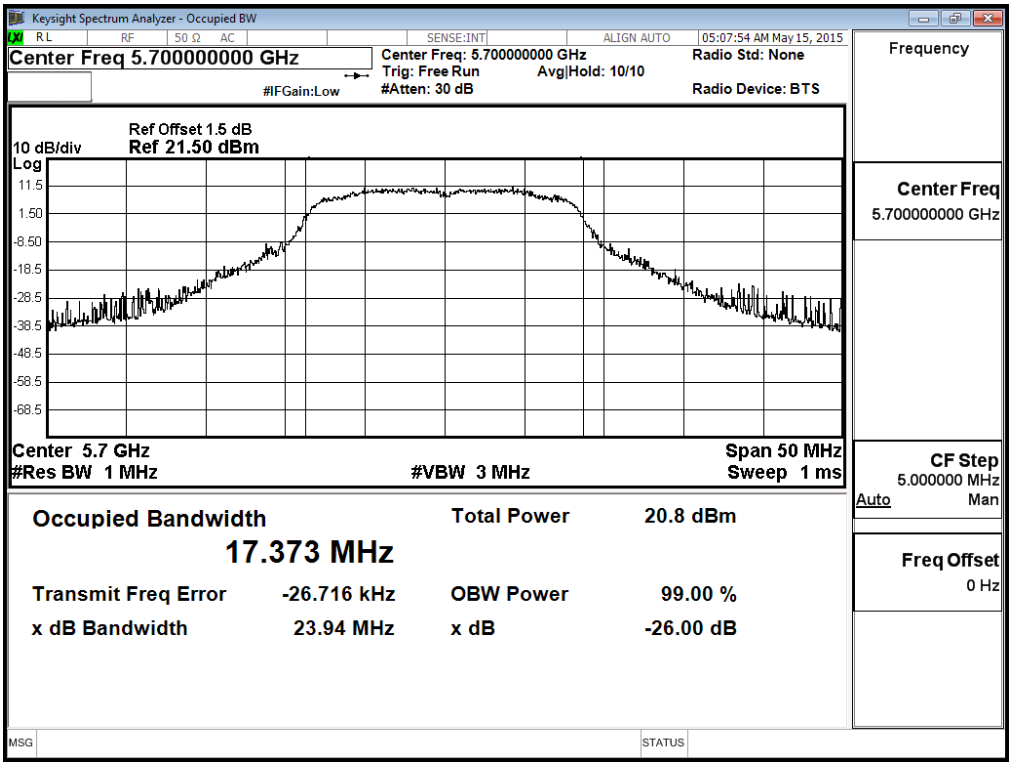
Channel 100 -Chain B



Channel 116 -Chain B



Channel 140 -Chain B



Product : Intel® Dual Band Wireless-AC 8260
Test Item : Maximum conducted output power
Test Site : No.3 OATS
Test Mode : Mode 3 MIMO: Transmit (802.11n-40BW 30Mbps)

CHAIN A

Cable loss=1dB		Maximum conducted output power								
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Required Limit
		HT8	HT9	HT10	HT11	HT12	HT13	HT14	HT15	
		Measurement Level (dBm)								
38	5190	15.76	--	--	--	--	--	--	--	<30dBm
46	5230	18.14	18.03	17.94	17.86	17.74	17.66	17.53	17.49	<30dBm
54	5270	18.24	--	--	--	--	--	--	--	<24dBm
62	5310	14.81	14.74	14.67	14.52	14.44	14.38	14.21	14.19	<24dBm
102	5510	16.14	--	--	--	--	--	--	--	<24dBm
110	5550	18.55	18.43	18.39	18.24	18.17	18.05	17.97	17.83	<24dBm
134	5670	18.5	--	--	--	--	--	--	--	<24dBm

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

CHAIN B

Cable loss=1dB		Maximum conducted output power								
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Required Limit
		HT8	HT9	HT10	HT11	HT12	HT13	HT14	HT15	
		Measurement Level (dBm)								
38	5190	15.75	--	--	--	--	--	--	--	<30dBm
46	5230	17.83	17.76	17.61	17.58	17.47	17.32	17.29	17.14	<30dBm
54	5270	17.7	--	--	--	--	--	--	--	<24dBm
62	5310	14.62	14.53	14.47	14.36	14.29	14.17	14.05	13.93	<24dBm
102	5510	16.08	--	--	--	--	--	--	--	<24dBm
110	5550	18.08	17.93	17.87	17.76	17.63	17.54	17.48	17.31	<24dBm
134	5670	17.72	--	--	--	--	--	--	--	<24dBm

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Maximum conducted output power Measurement:

(CHAIN A+ B)

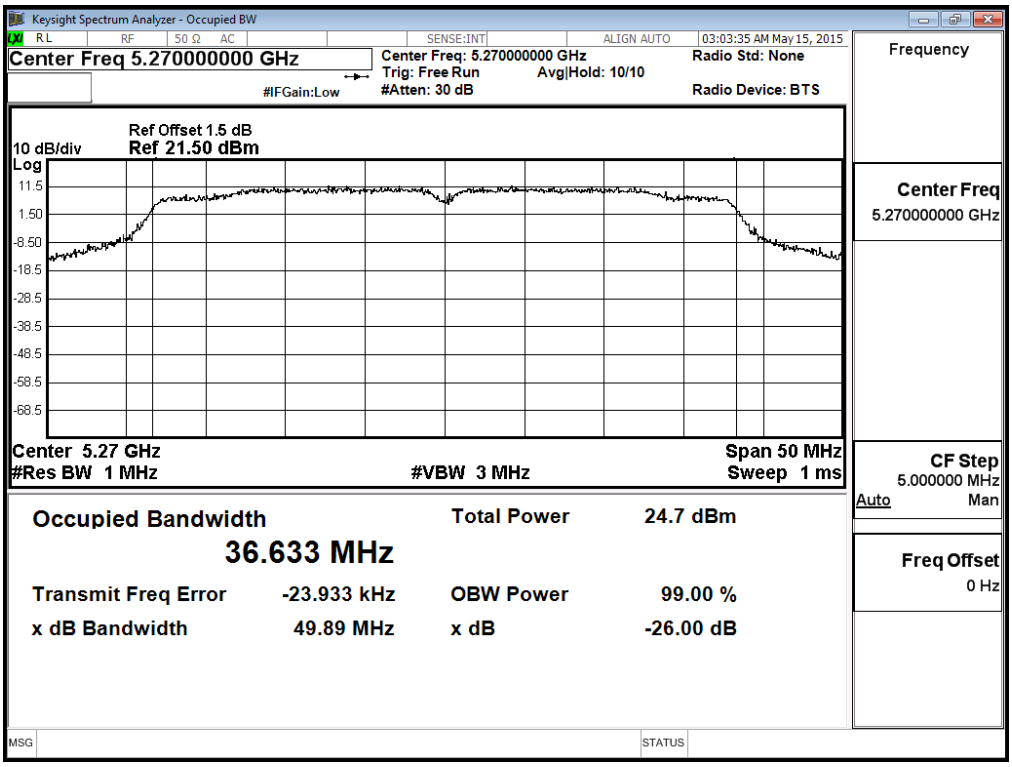
Channel Number	Frequency (MHz)	99% Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Duty Factor (dB)	Total Output Power (dBm)	Output Power Limit	
							(dBm)	dBm+10log(BW)
38	5190	--	15.76	15.75	0.150	18.915	24	--
46	5230	--	18.14	17.83	0.150	21.148	24	--
54	5270	36.544	18.24	17.70	0.150	21.139	24	26.63
62	5310	36.356	14.81	14.62	0.150	17.876	24	26.61
102	5510	36.412	16.14	16.08	0.150	19.270	24	26.61
110	5550	36.495	18.55	18.08	0.150	21.482	24	26.62
134	5670	36.427	18.50	17.72	0.150	21.288	24	26.61

Note:

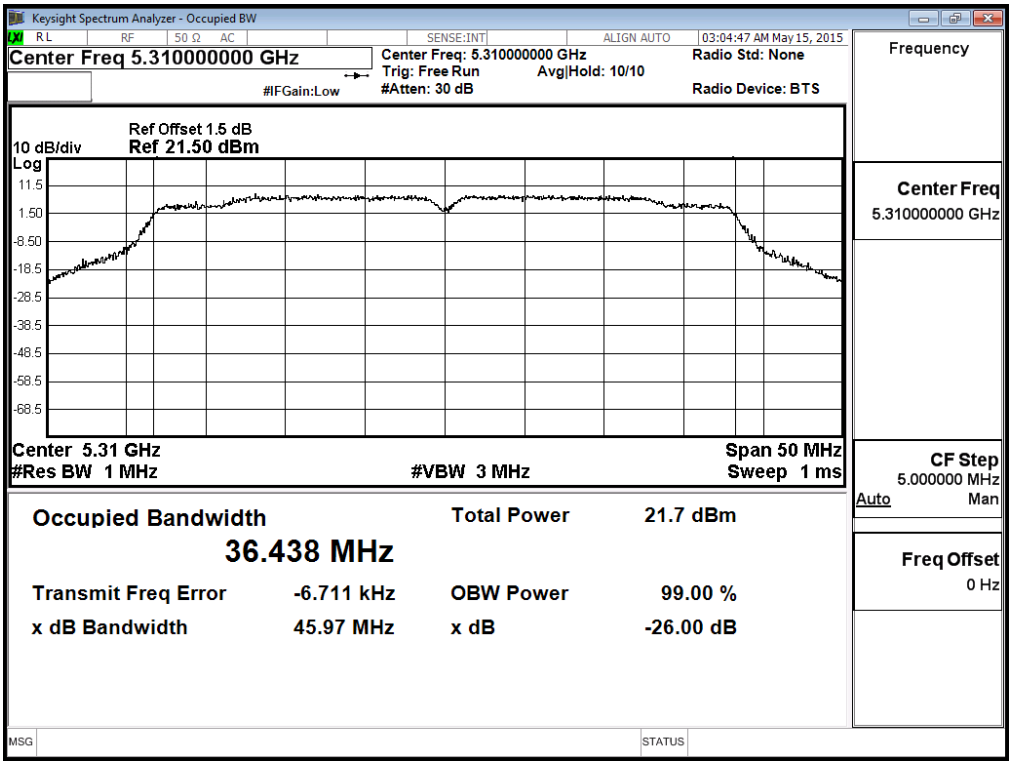
1. Total Output Power (dBm) = 10LOG (Chain A Power (mW) + Chain B Power (mW)) + Duty Factor.
2. 26 dB Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.

99% Occupied Bandwidth:

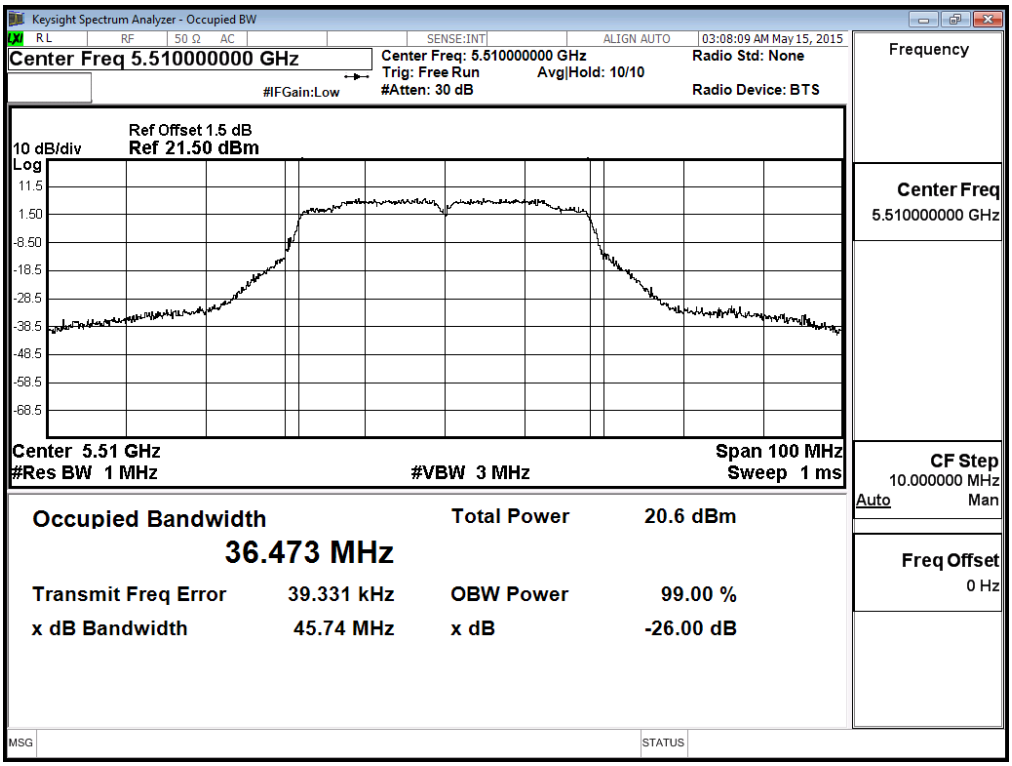
Channel 54 – Chain A



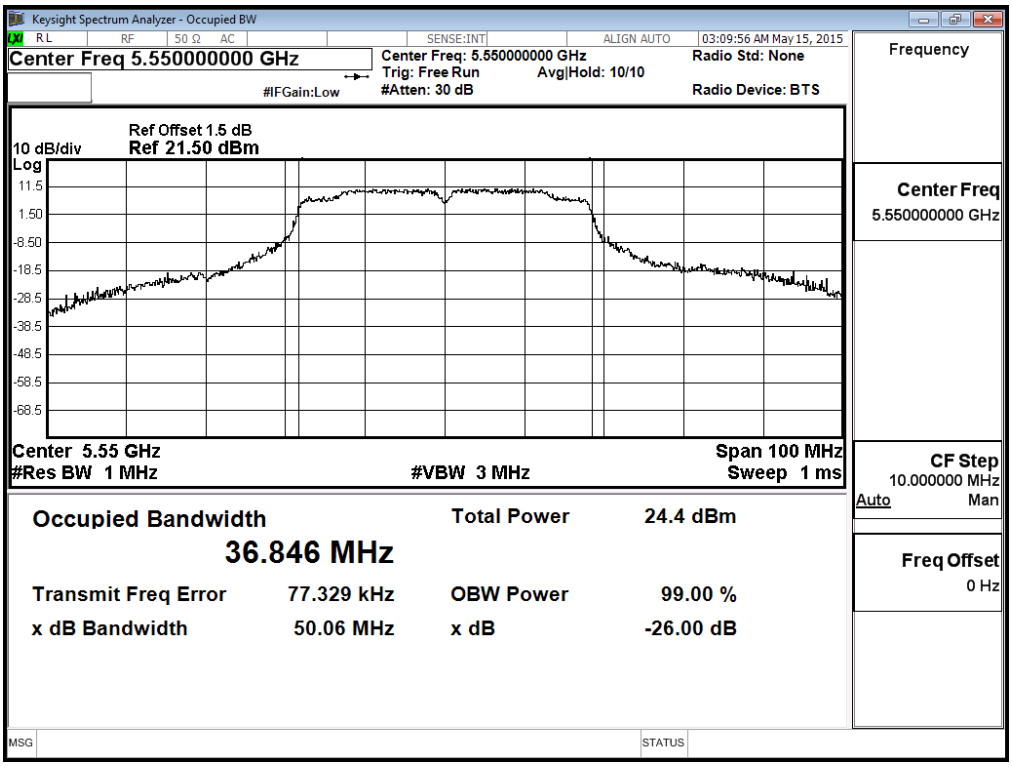
Channel 62 – Chain A



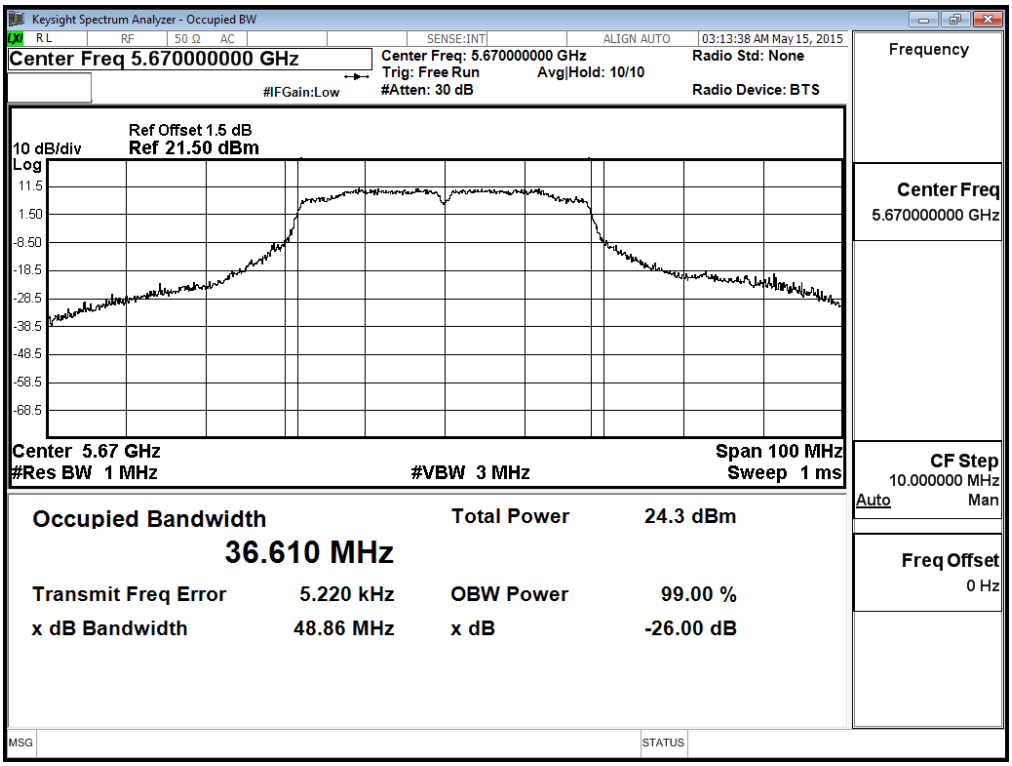
Channel 102 – Chain A



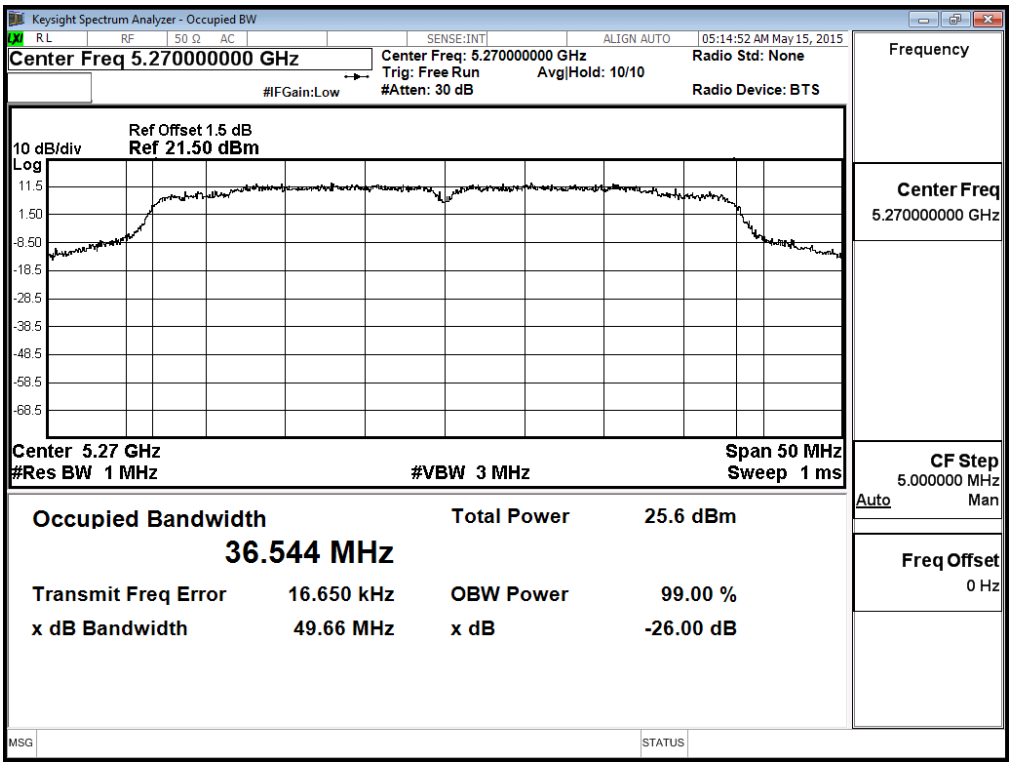
Channel 110 – Chain A



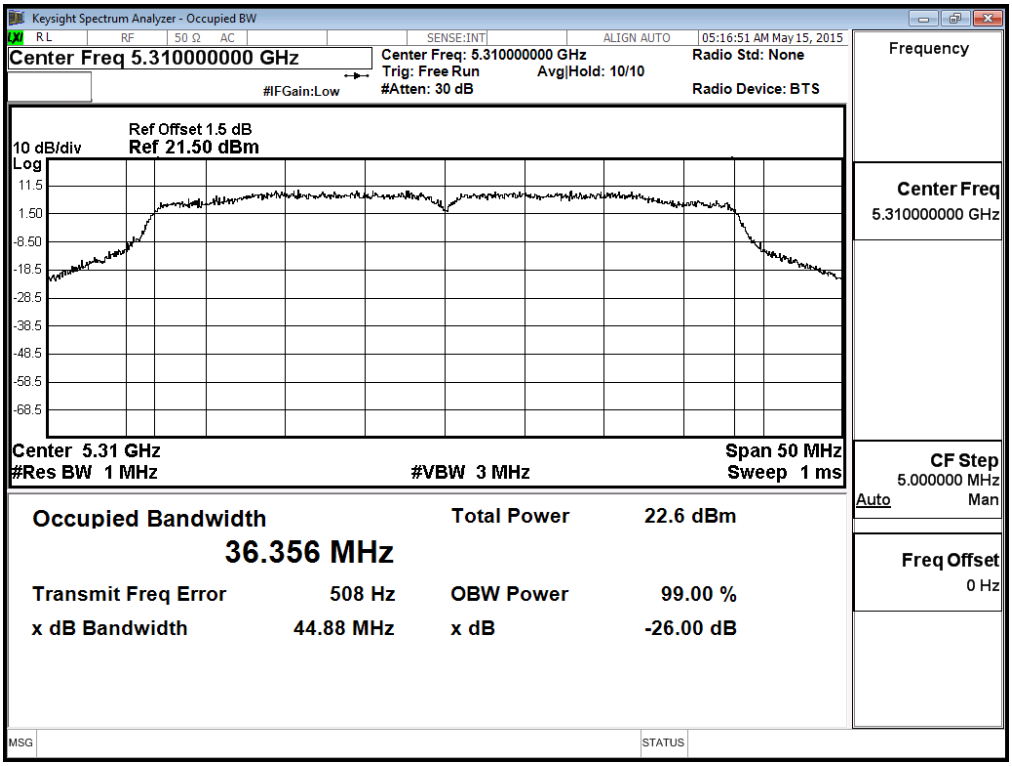
Channel 134 – Chain A



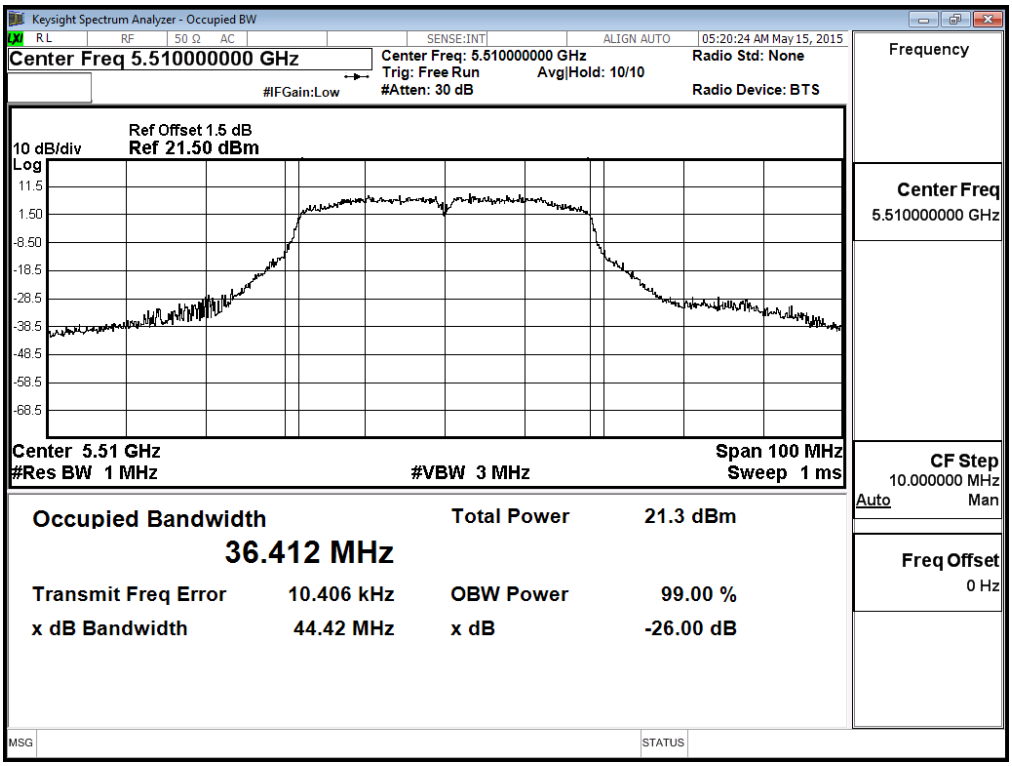
99% Occupied Bandwidth:
Channel 54 – Chain B



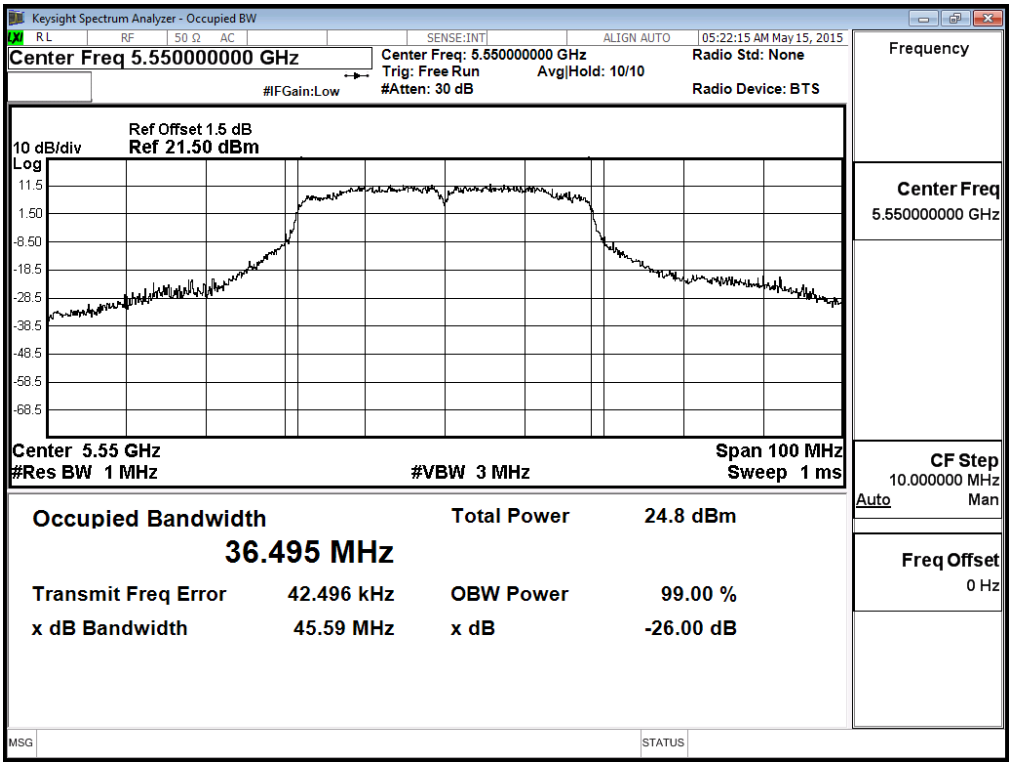
Channel 62 – Chain B



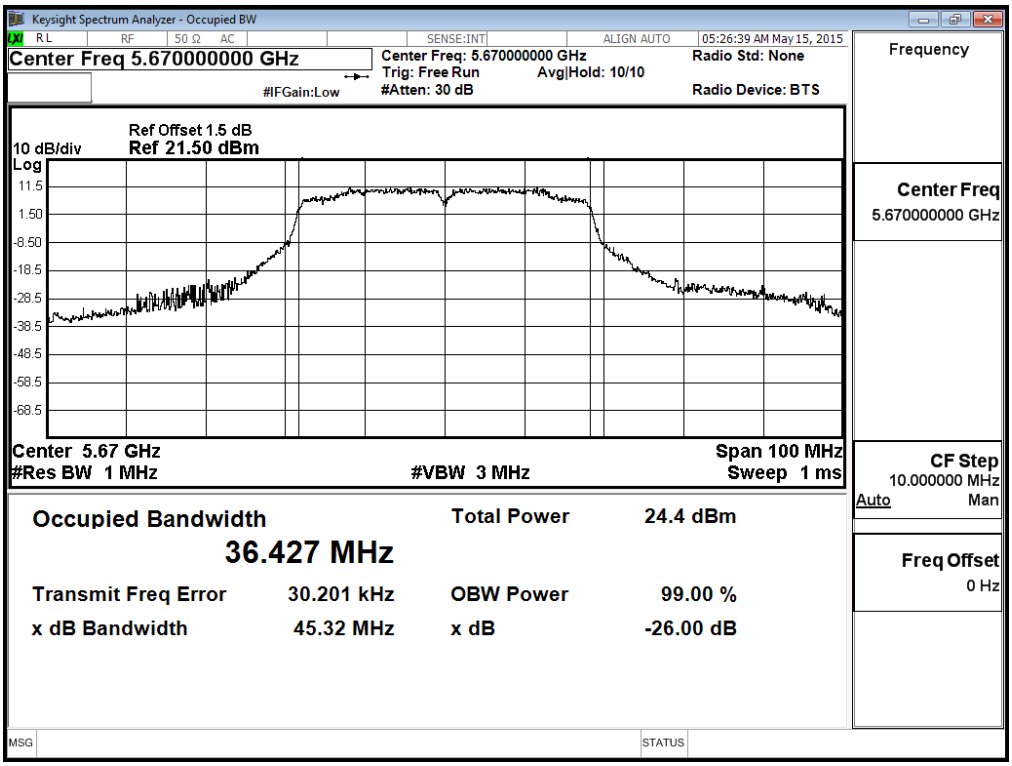
Channel 102 – Chain B



Channel 110 – Chain B



Channel 134 – Chain B



Product : Intel® Dual Band Wireless-AC 8260
Test Item : Maximum conducted output power
Test Site : No.3 OATS
Test Mode : Mode 3 MIMO: Transmit (802.11ac-20BW-14.4Mbps)

Chain A

Cable loss=1dB		Maximum conducted output power									
Channel No.	Frequency (MHz)	Data Rate (Mbps)									Required Limit
		HT8	HT9	HT10	HT11	HT12	HT13	HT14	HT15	HT8	
		Measurement Level (dBm)									
144 (Band3)	5720	18.19	18.05	17.96	17.84	17.63	17.59	17.41	17.36	17.22	<24dBm
144 (Band4)	5720	10.58	10.47	10.36	10.22	10.18	10.91	10.76	10.68	10.52	<30dBm

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Chain B

Cable loss=1dB		Maximum conducted output power									
Channel No.	Frequency (MHz)	Data Rate (Mbps)									Required Limit
		HT8	HT9	HT10	HT11	HT12	HT13	HT14	HT15	HT8	
		Measurement Level (dBm)									
144 (Band3)	5720	17.69	17.55	17.41	17.37	17.2	17.15	17.02	16.92	16.86	<24dBm
144 (Band4)	5720	10.25	10.19	10.05	9.92	9.76	9.64	9.52	9.47	9.36	<30dBm

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Maximum conducted output power Measurement:

(CHAIN A+ B)

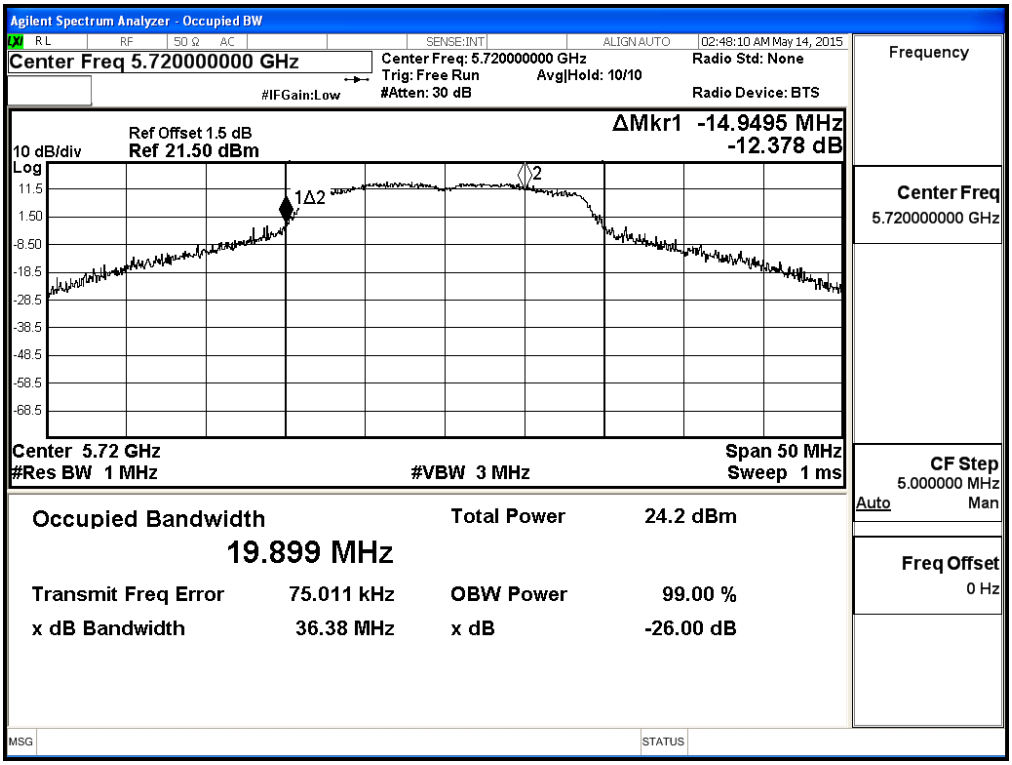
Channel Number	Frequency (MHz)	99% Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Duty Factor (dB)	Total Output Power (dBm)	Output Power Limit	
							(dBm)	dBm+10log(BW)
144(Band3)	5720	14.530	18.19	17.69	0.110	21.067	24	22.62
144(Band4)	5720	4.530	10.58	10.25	0.110	13.538	30	17.56

Note:

1. Total Output Power (dBm) = 10LOG (Chain A Power (mW) + Chain B Power (mW)) + Duty Factor.
2. 26 dB Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.

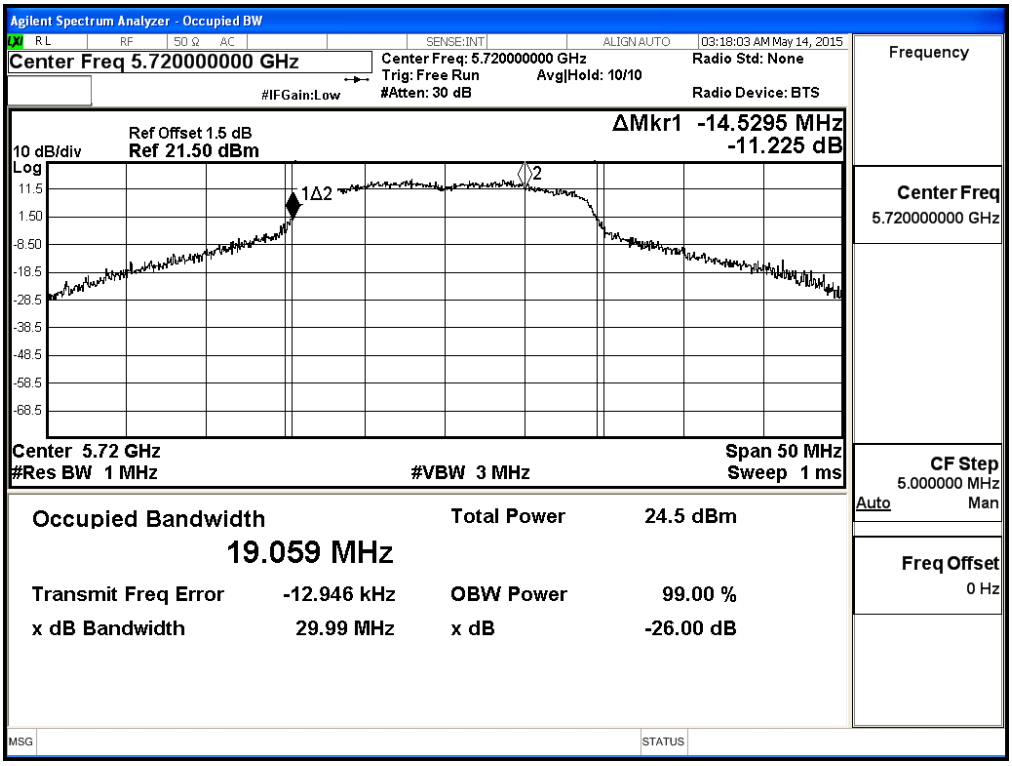
99% Occupied Bandwidth:

Channel 144 – Chain A



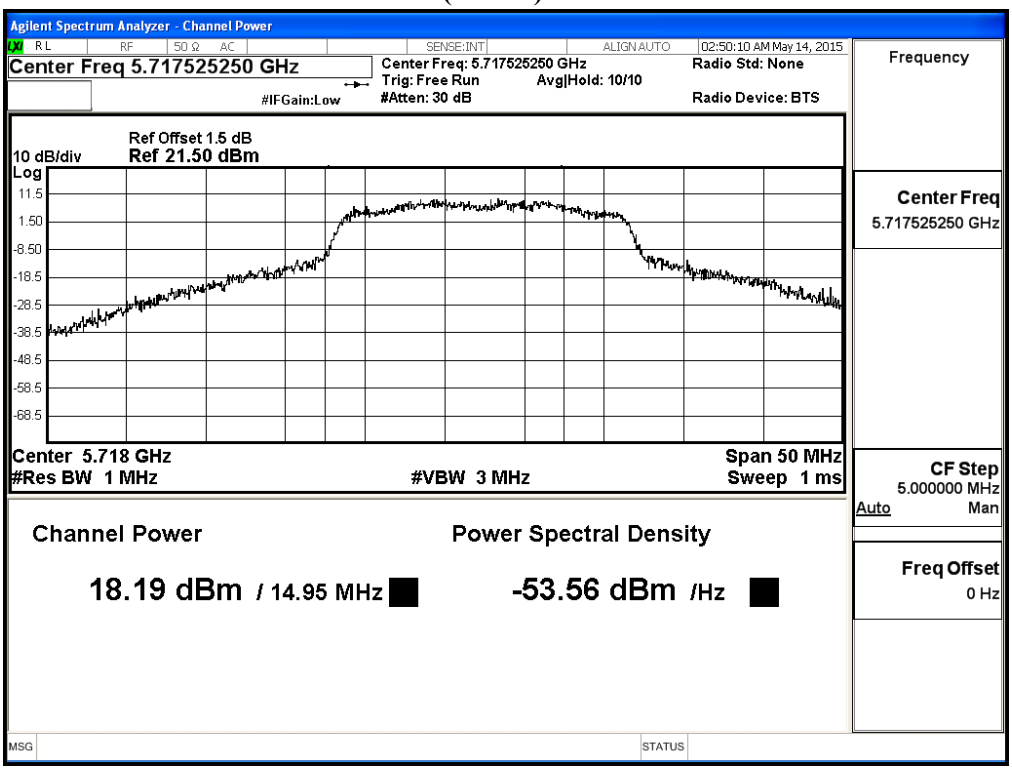
99% Occupied Bandwidth:

Channel 144 – Chain B

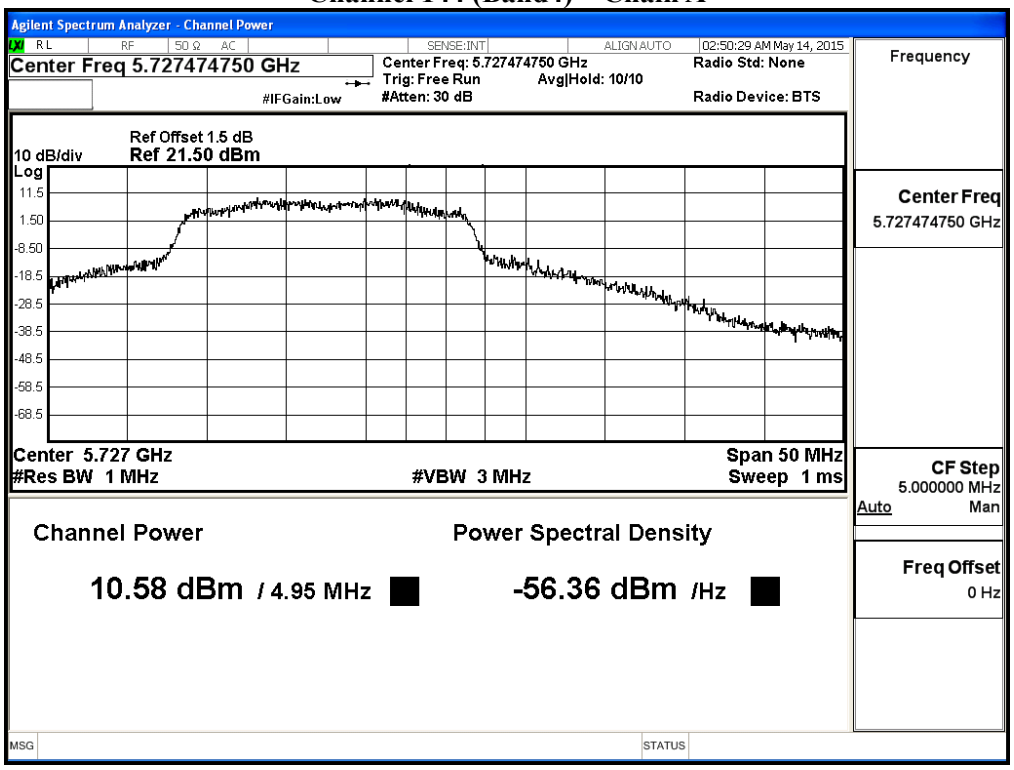


Maximum conducted output power:

Channel 144 (Band3) – Chain A

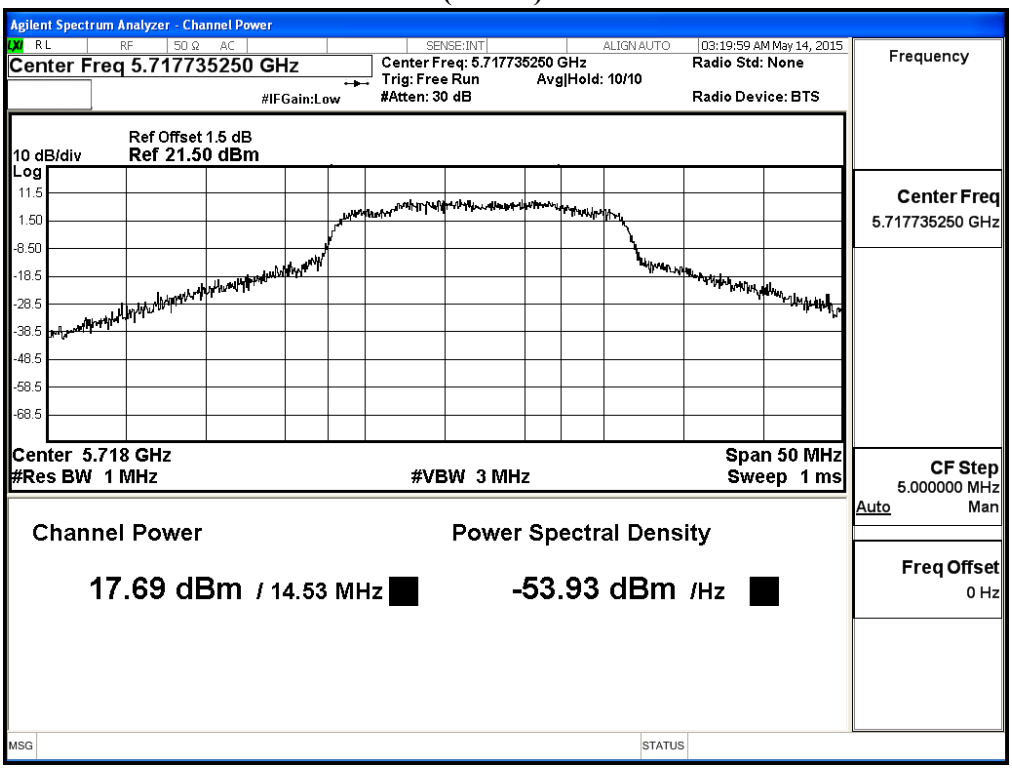


Channel 144 (Band4) – Chain A

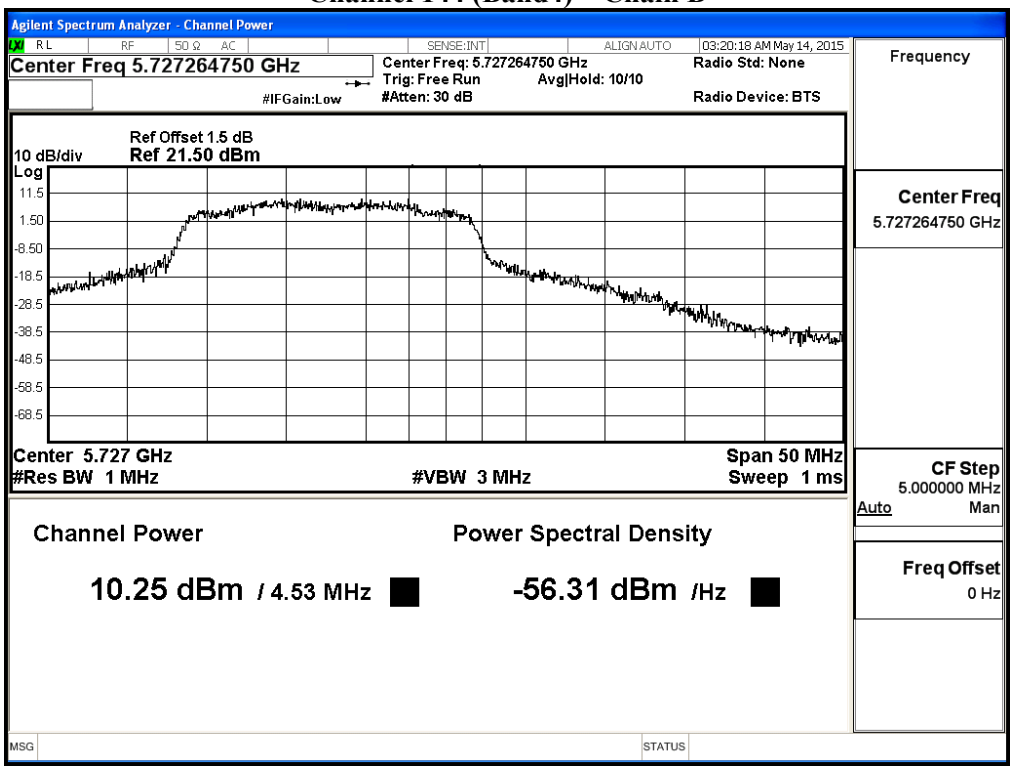


Maximum conducted output power:

Channel 144 (Band3) – Chain B



Channel 144 (Band4) – Chain B



Product : Intel® Dual Band Wireless-AC 8260
Test Item : Maximum conducted output power
Test Site : No.3 OATS
Test Mode : Mode 3 MIMO: Transmit (802.11ac-40BW-30Mbps)

Chain A

Cable loss=1dB		Maximum conducted output power										
Channel No	Frequency (MHz)	Data Rate (Mbps)										Required Limit
		VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8	VTH9	
142F(Band3)	5710	18.38	18.22	18.17	18.06	17.96	17.75	17.62	17.57	17.44	17.36	<24dBm
142F(Band4)	5710	5.76	5.62	5.51	5.47	5.32	5.21	5.19	5.08	4.91	4.82	<30dBm

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Chain B

Cable loss=1dB		Maximum conducted output power										
Channel No	Frequency (MHz)	Data Rate (Mbps)										Required Limit
		VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8	VTH9	
142F(Band3)	5710	17.77	17.64	17.53	17.36	17.28	17.18	17.04	16.95	16.75	16.6	<24dBm
142F(Band4)	5710	5.06	4.92	4.87	4.65	4.57	4.41	4.38	4.29	4.11	4.03	<30dBm

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Maximum conducted output power Measurement:

(CHAIN A+ B)

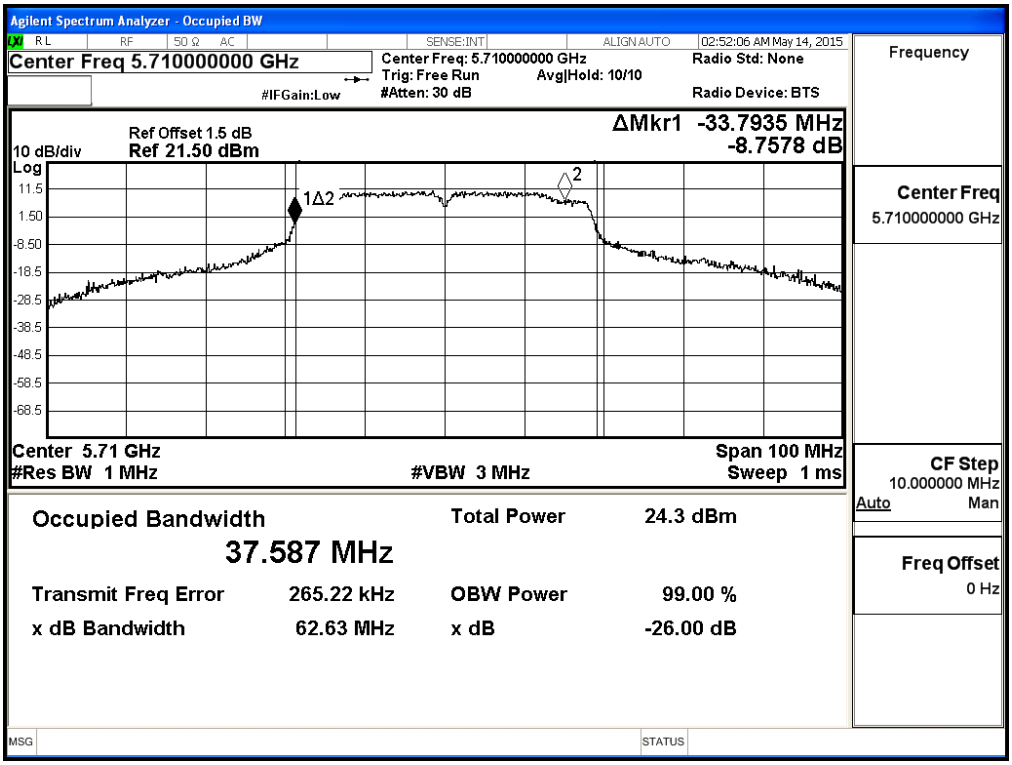
Channel Number	Frequency (MHz)	99% Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Duty Factor (dB)	Total Output Power (dBm)	Output Power Limit	
							(dBm)	dBm+10log(BW)
142F(Band3)	5710	33.256	18.38	17.77	0.315	21.411	24	26.22
142F(Band4)	5710	3.256	5.76	5.06	0.315	8.749	30	16.13

Note:

1. Total Output Power (dBm) = 10LOG (Chain A Power (mW) + Chain B Power (mW)) + Duty Factor.
2. 26 dB Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.

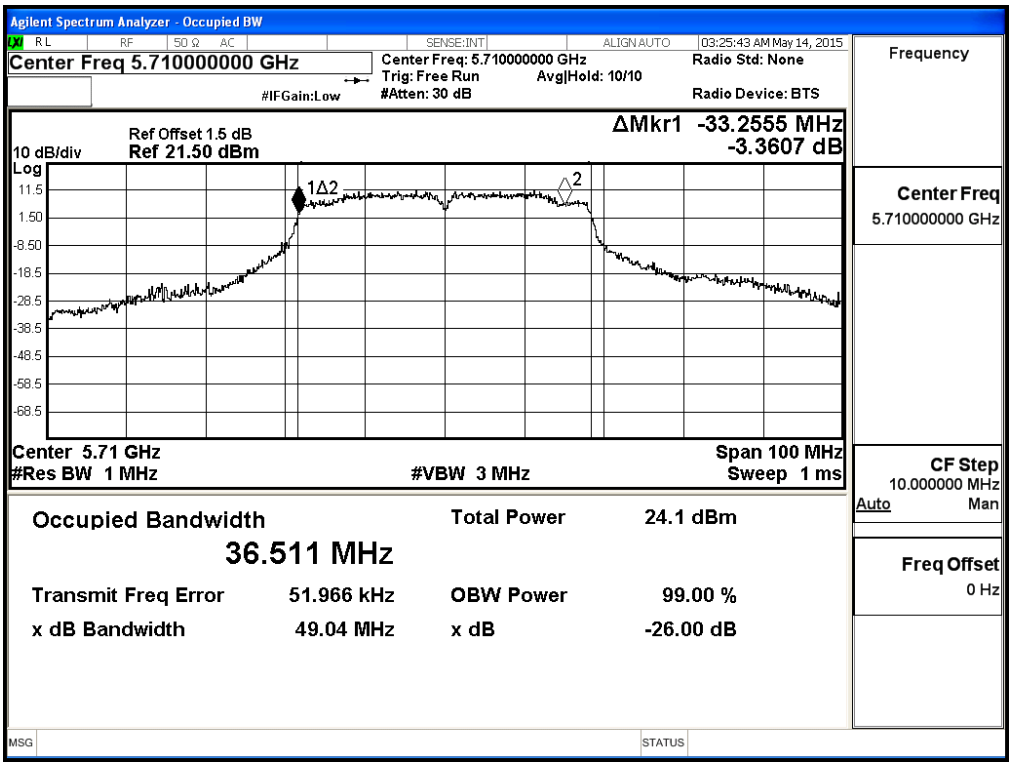
99% Occupied Bandwidth:

Channel 142 – Chain A



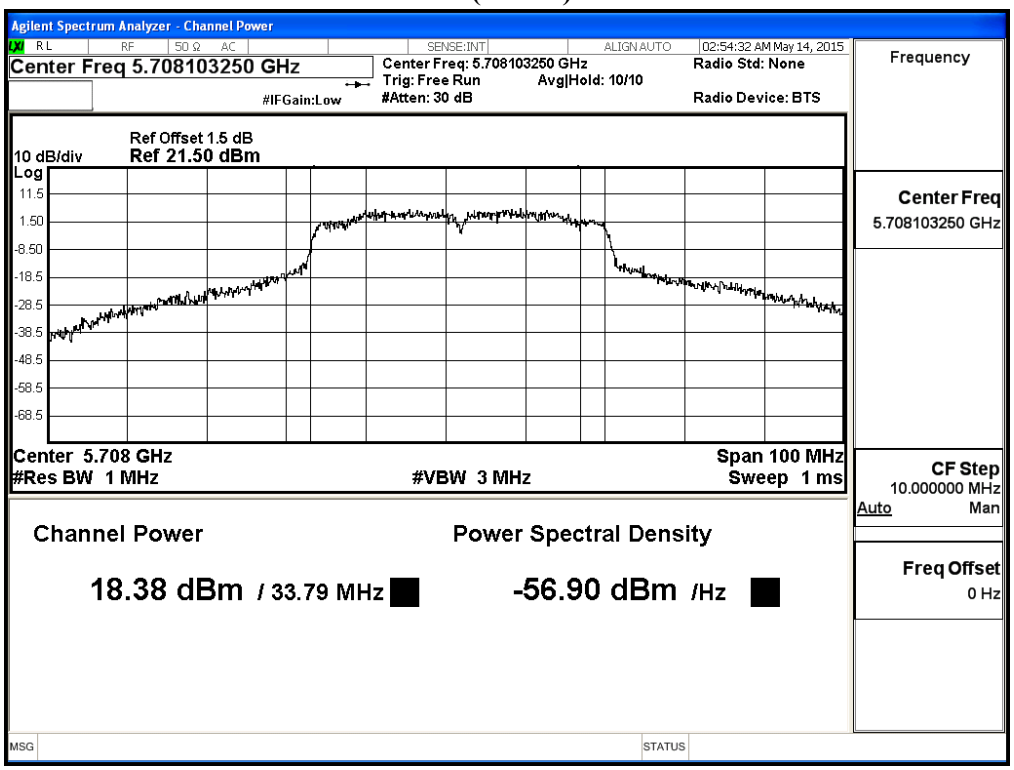
99% Occupied Bandwidth:

Channel 142 – Chain B

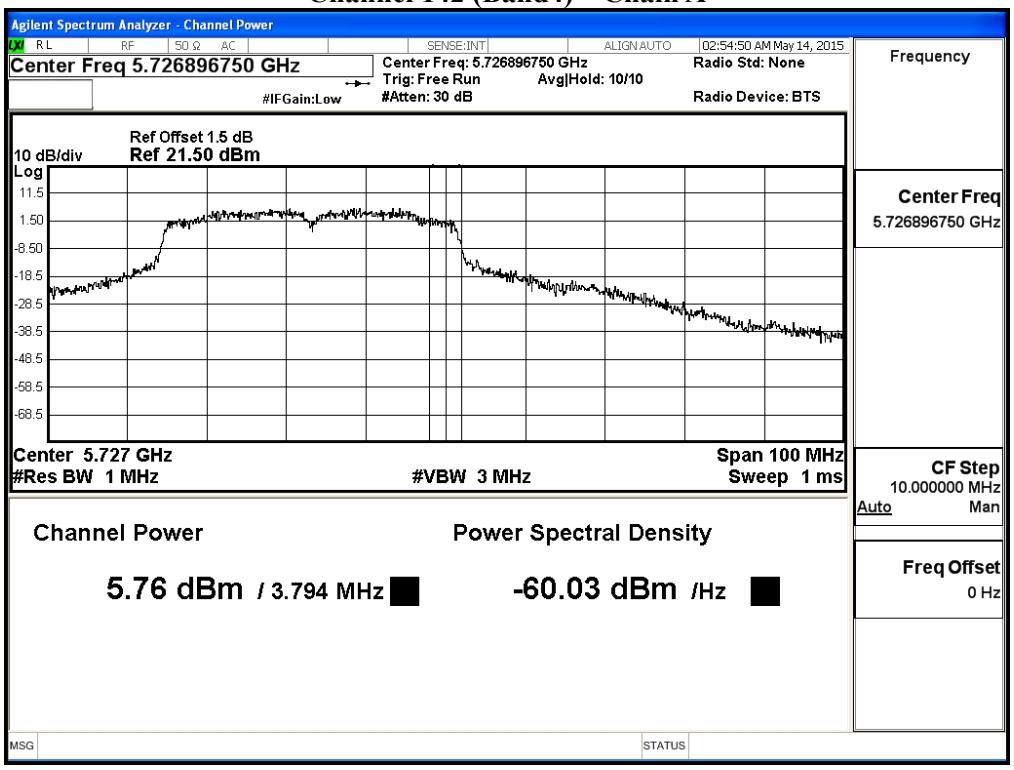


Maximum conducted output power:

Channel 142 (Band3) – Chain A

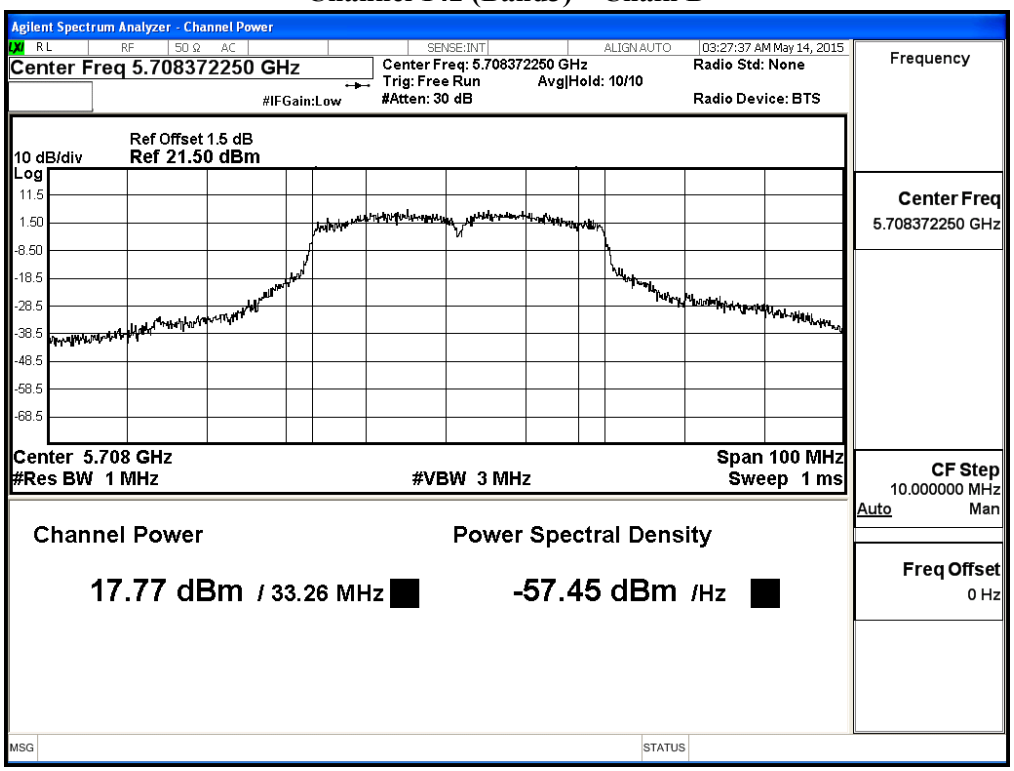


Channel 142 (Band4) – Chain A

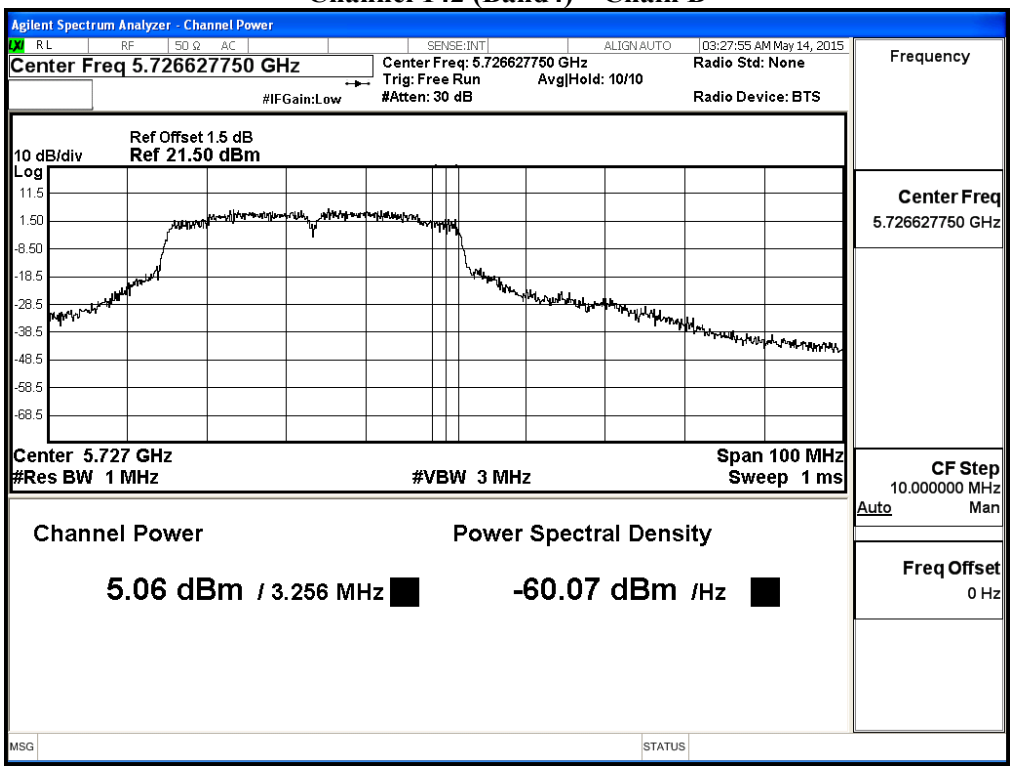


Maximum conducted output power:

Channel 142 (Band3) – Chain B



Channel 142 (Band4) – Chain B



Product : Intel® Dual Band Wireless-AC 8260
Test Item : Maximum conducted output power
Test Site : No.3 OATS
Test Mode : Mode 3 MIMO: Transmit (802.11ac-80BW-65Mbps)

Chain A

Cable loss=1dB		Maximum conducted output power										
Channel No	Frequency (MHz)	Data Rate (Mbps)										Required Limit
		VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8	VTH9	
42	5210	13.09	12.93	12.77	12.61	12.45	12.29	12.13	11.97	11.81	11.65	<30dBm
58	5290	13.2	13.09	12.98	12.87	12.76	12.65	12.54	12.43	12.32	12.21	<24dBm
106	5530	13.06	12.97	12.85	12.71	12.59	12.43	12.36	12.27	12.1	12.05	<24dBm
122	5610	18.59	18.48	18.37	18.26	18.15	18.04	17.93	17.82	17.71	17.6	<24dBm
138(Band3)	5690	17.67	17.41	17.34	17.2	17.11	17.02	16.93	16.87	16.72	16.63	<24dBm
138(Band4)	5690	0.34	0.16	-0.16	-0.28	-0.46	-0.58	-0.61	-0.81	-0.96	-1.05	<30dBm

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Chain B

Cable loss=1dB		Maximum conducted output power										
Channel No	Frequency (MHz)	Data Rate (Mbps)										Required Limit
		VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8	VTH9	
42	5210	13.38	13.32	13.26	13.2	13.14	13.08	13.02	12.96	12.9	12.84	<30dBm
58	5290	13.38	13.26	13.14	13.02	12.9	12.78	12.66	12.54	12.42	12.3	<24dBm
106	5530	13.24	13.17	13.08	12.93	12.74	12.66	12.56	12.43	12.32	12.27	<24dBm
122	5610	18.73	18.68	18.63	18.58	18.53	18.48	18.43	18.38	18.33	18.28	<24dBm
138(Band3)	5690	17.38	17.21	17.11	17.06	16.91	16.75	16.63	16.55	16.48	16.32	<24dBm
138(Band4)	5690	0.59	0.36	0.21	0.08	-0.17	-0.35	-0.47	-0.51	-0.68	-0.84	<30dBm

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Maximum conducted output power Measurement

(CHAIN A+ B)

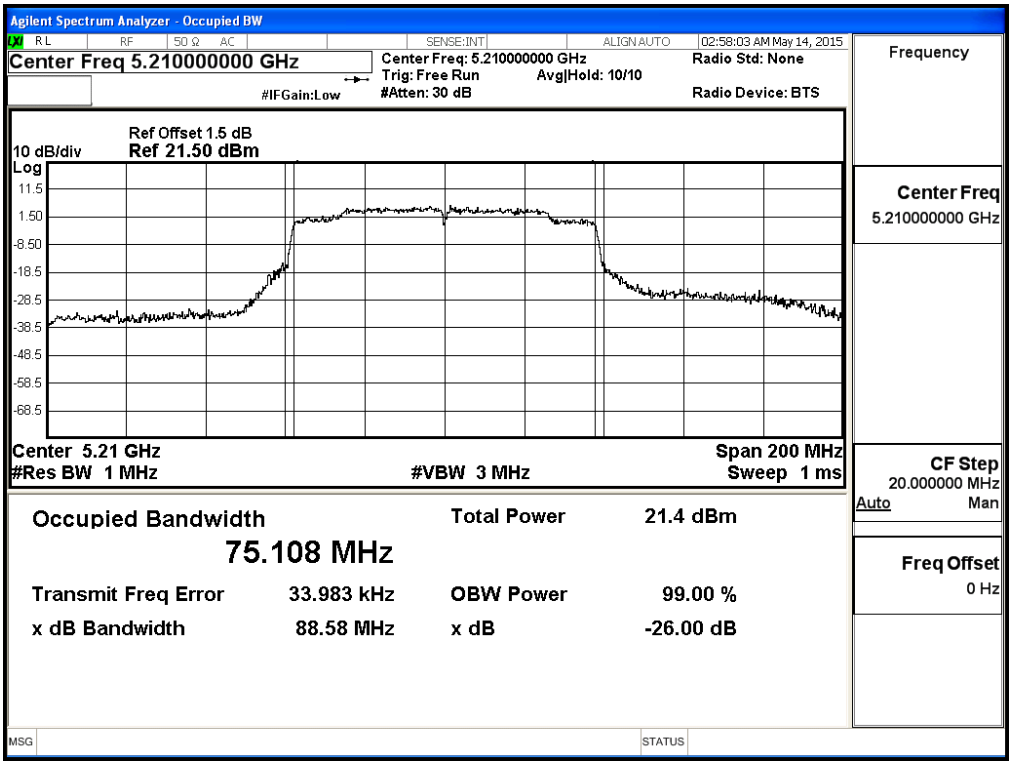
Channel Number	Frequency (MHz)	99% Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Duty Factor (dB)	Total Output Power (dBm)	Output Power Limit	
							(dBm)	dBm+10log(BW)
42	5210	75.108	13.09	13.38	0.283	16.531	24	29.76
58	5290	74.248	13.20	13.38	0.283	16.584	24	29.71
106	5530	74.967	13.06	13.24	0.283	16.444	24	29.75
122	5610	75.437	18.59	18.73	0.283	21.954	24	29.78
138(Band3)	5690	72.832	17.67	17.38	0.283	20.821	24	29.62
138(Band4)	5690	2.832	0.34	0.59	0.283	3.760	30	21.52

Note:

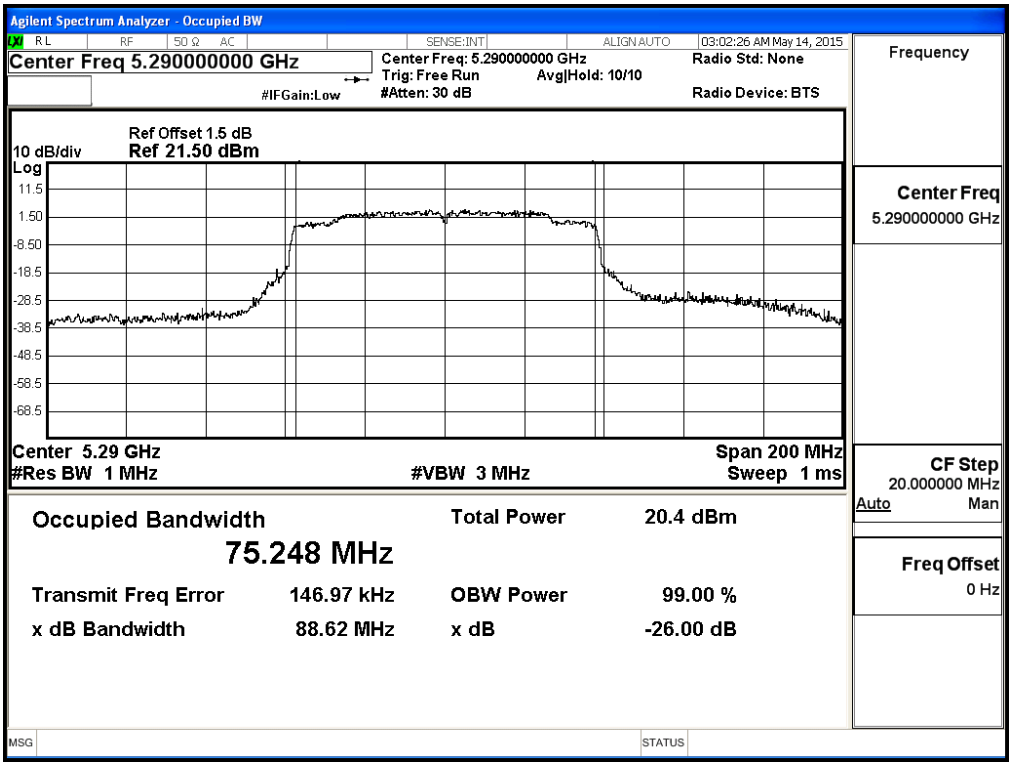
1. Total Output Power (dBm) = 10LOG (Chain A Power (mW) + Chain B Power (mW)) + Duty Factor.
2. 26 dB Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.

99% Occupied Bandwidth:

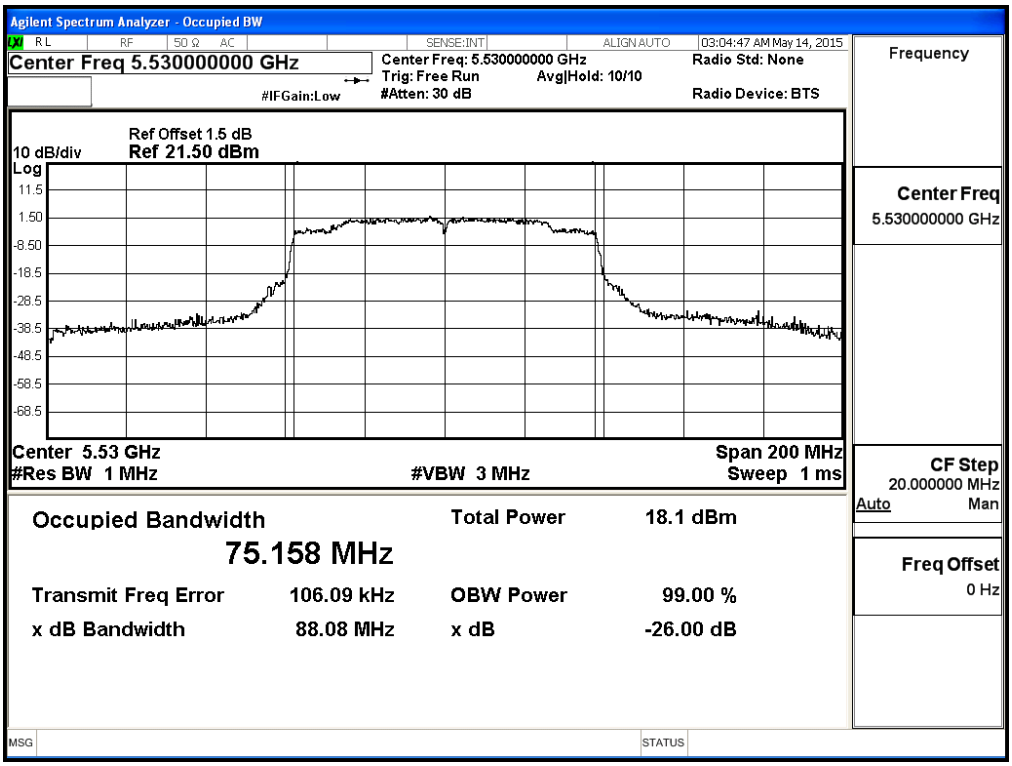
Channel 42 – Chain A



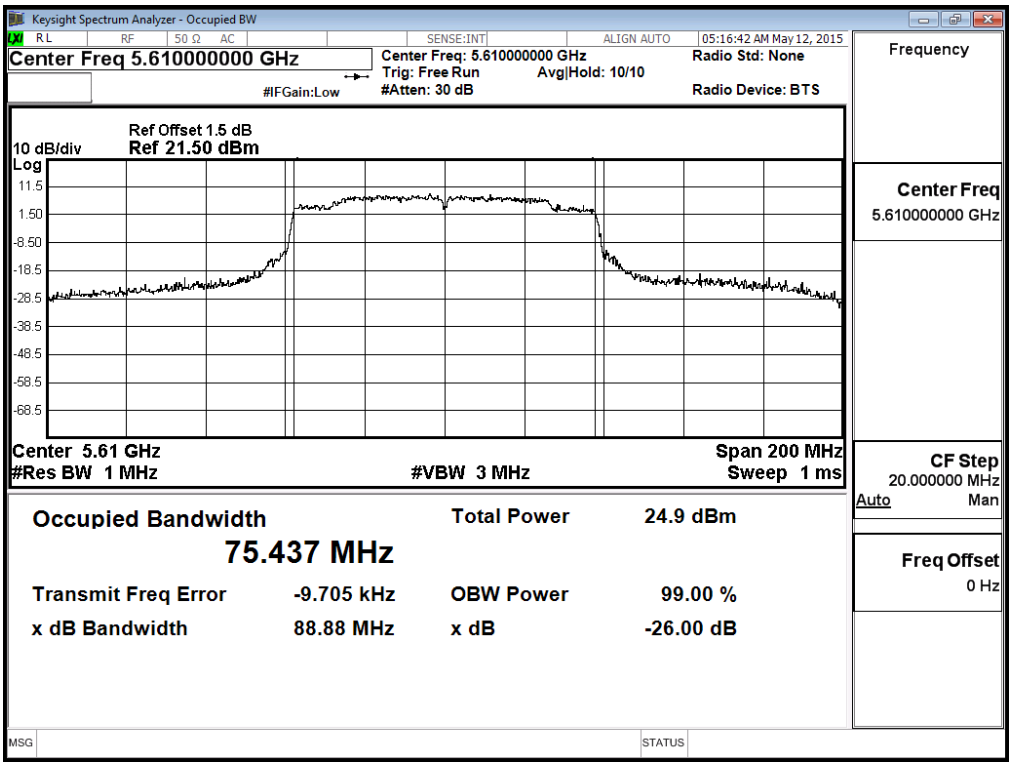
Channel 58 – Chain A



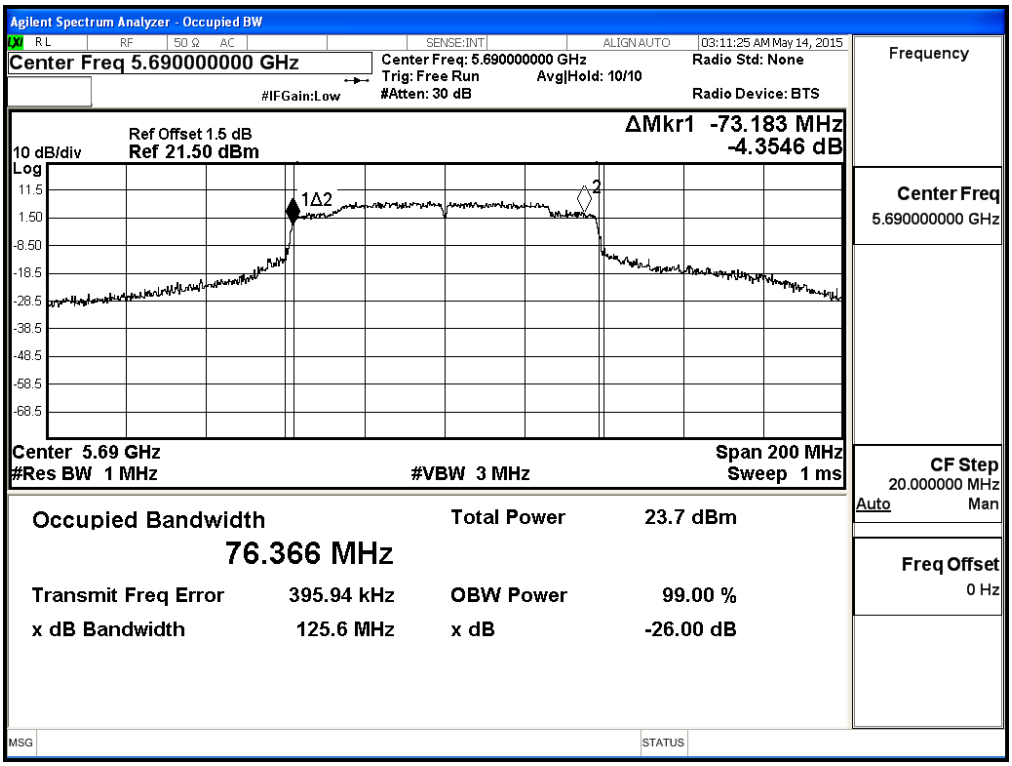
Channel 106 – Chain A



Channel 122 – Chain A

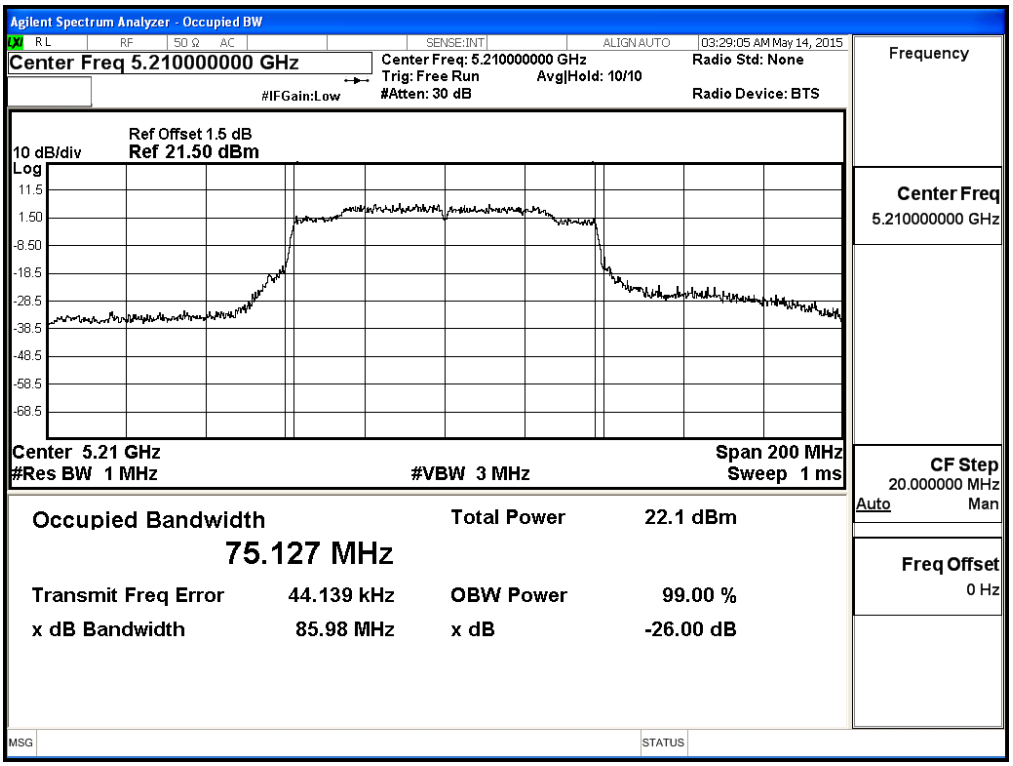


Channel 138 – Chain A

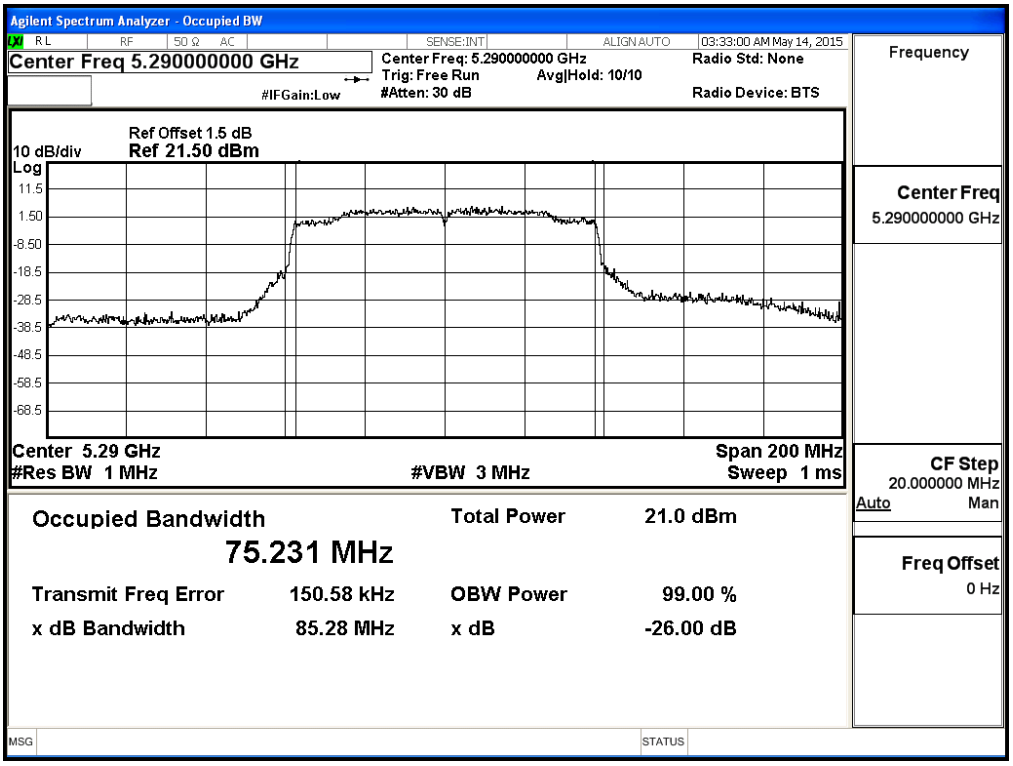


99% Occupied Bandwidth:

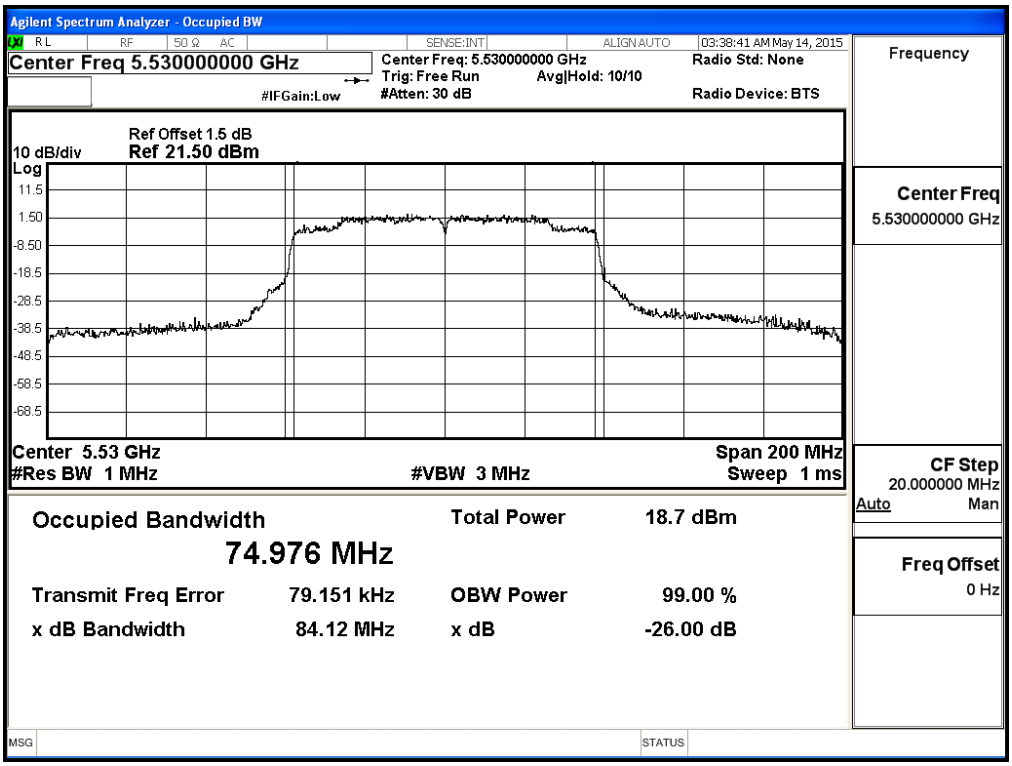
Channel 42 – Chain B



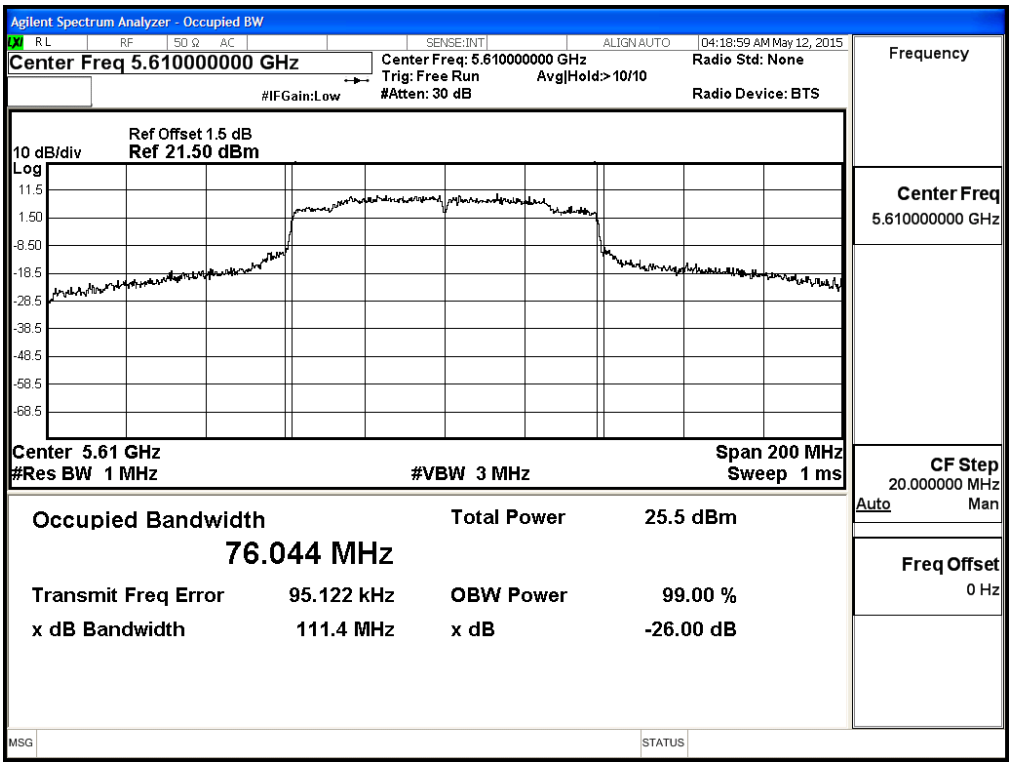
Channel 58 – Chain B



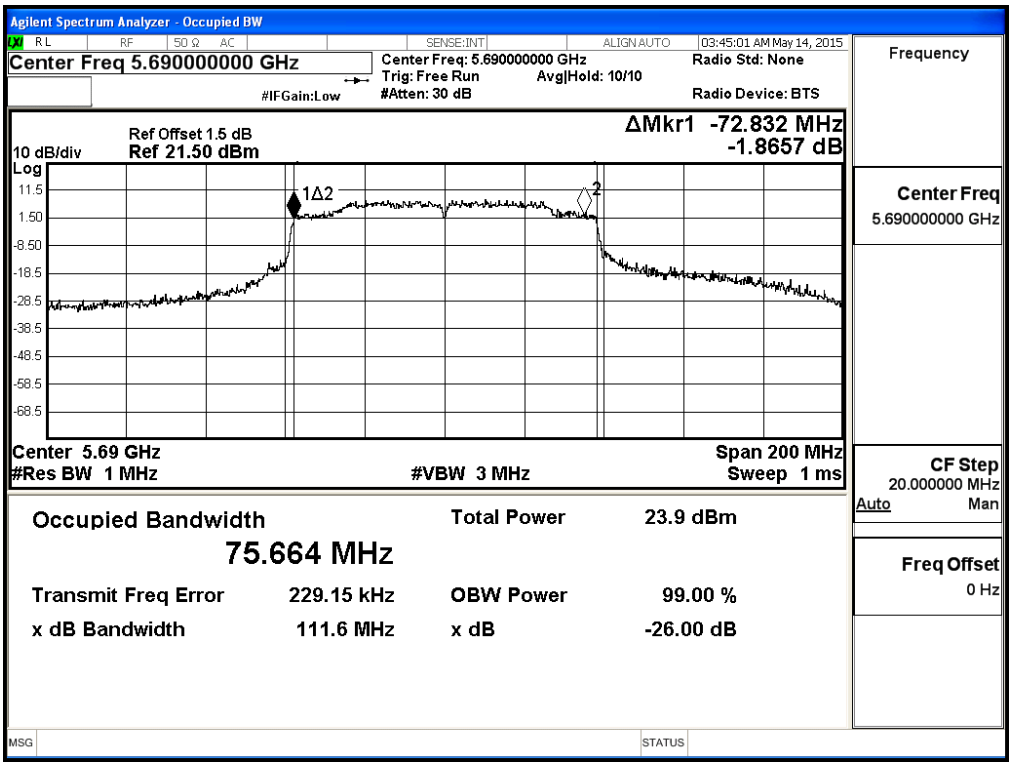
Channel 106 – Chain B



Channel 122 – Chain B

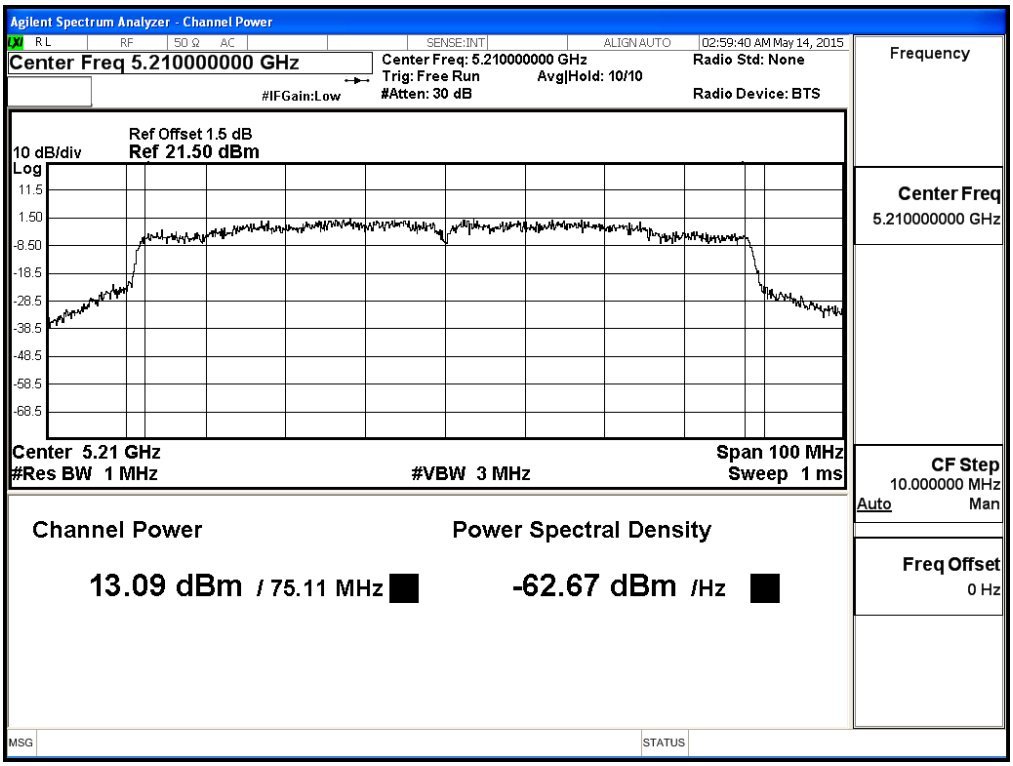


Channel 138 – Chain B



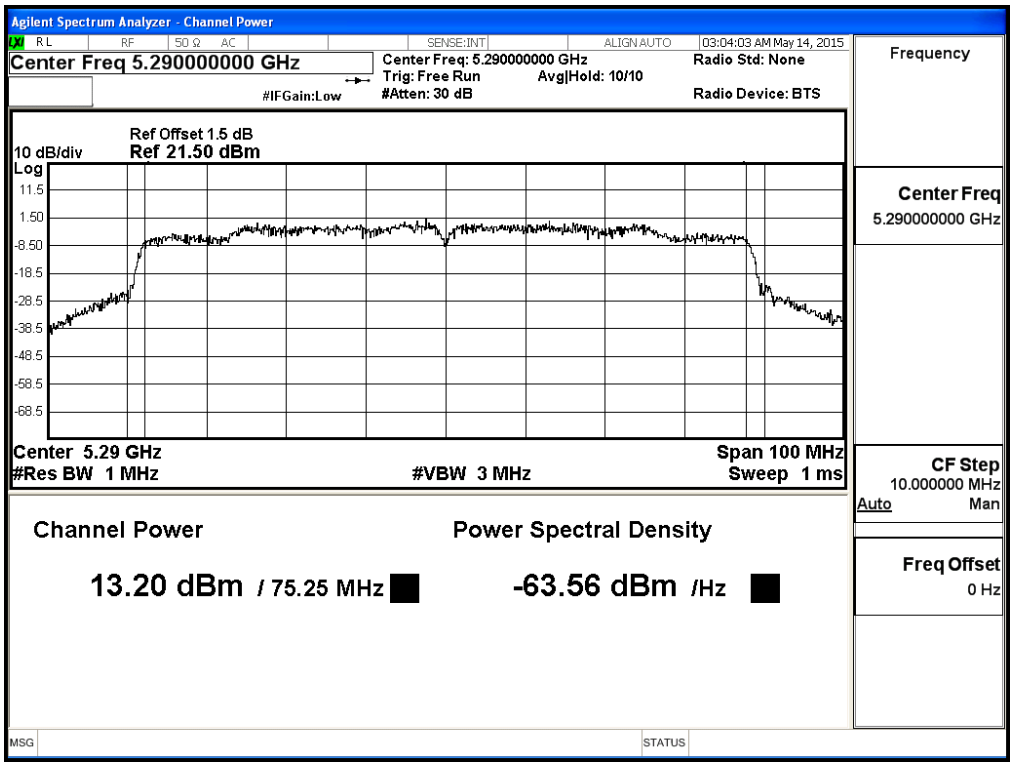
Maximum conducted output power:

Channel 42 – Chain A



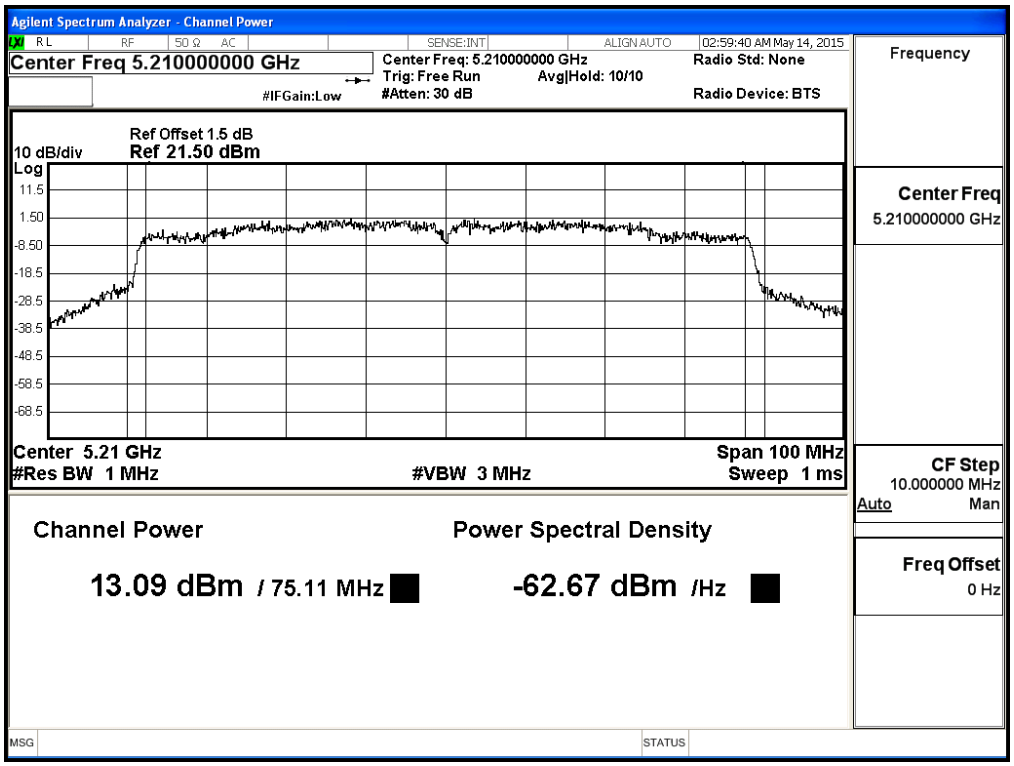
Maximum conducted output power:

Channel 58 – Chain A



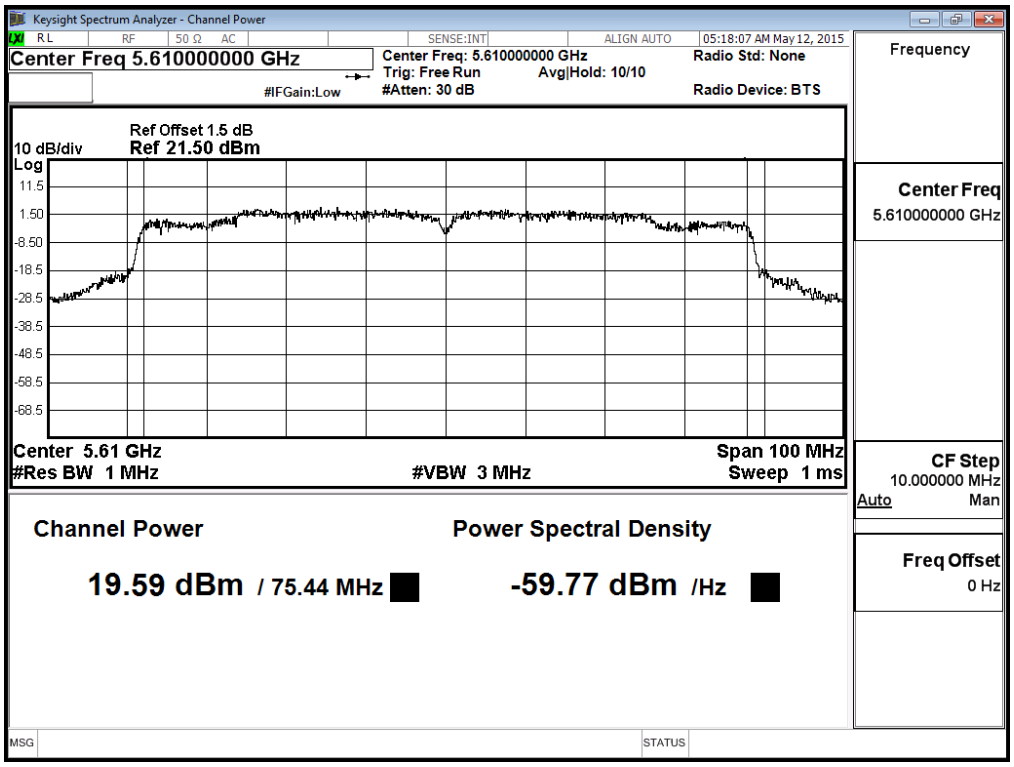
Maximum conducted output power:

Channel 106 – Chain A



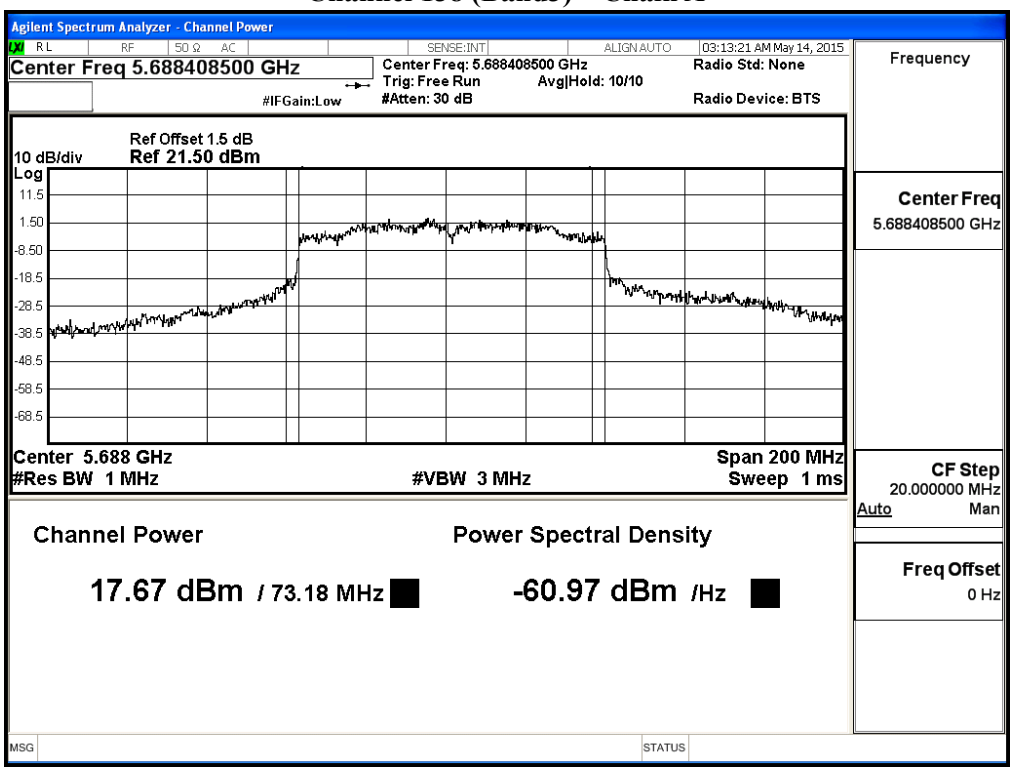
Maximum conducted output power:

Channel 122 – Chain A



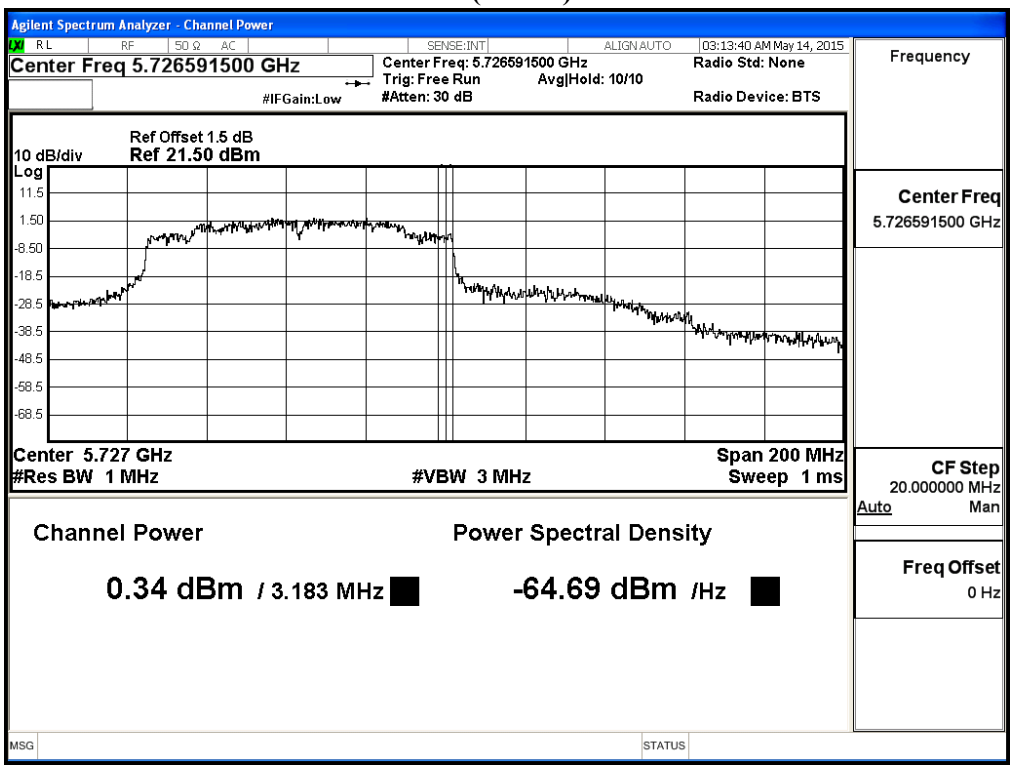
Maximum conducted output power:

Channel 138 (Band3) – Chain A



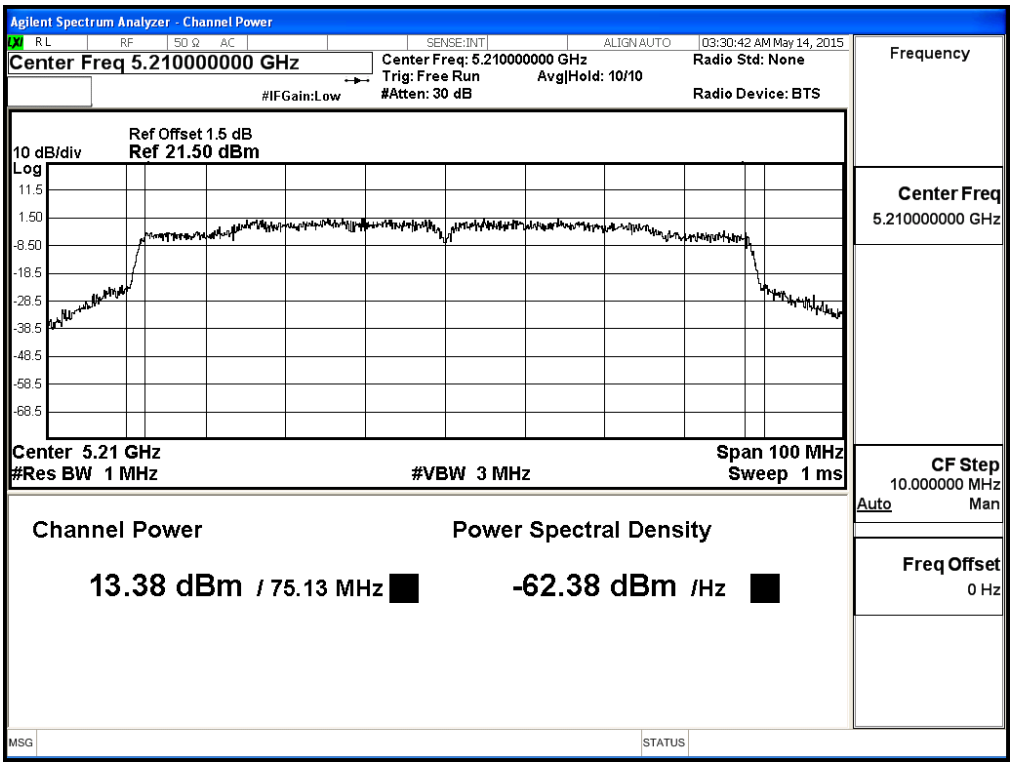
Maximum conducted output power:

Channel 138 (Band4) – Chain A



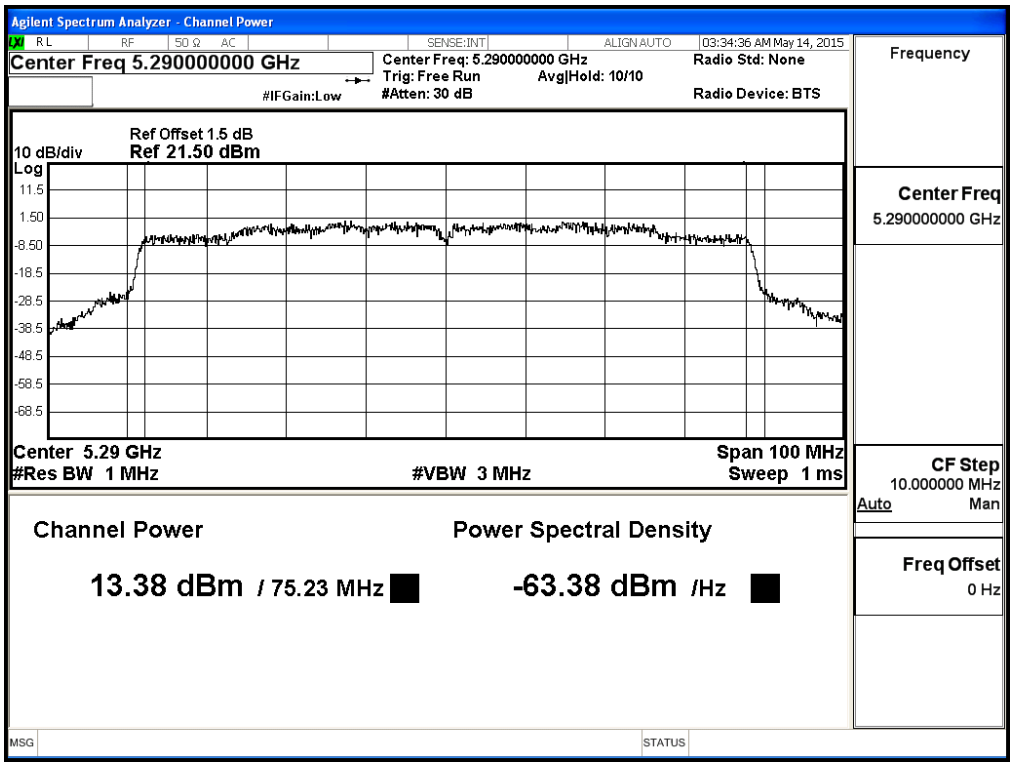
Maximum conducted output power:

Channel 42 – Chain B



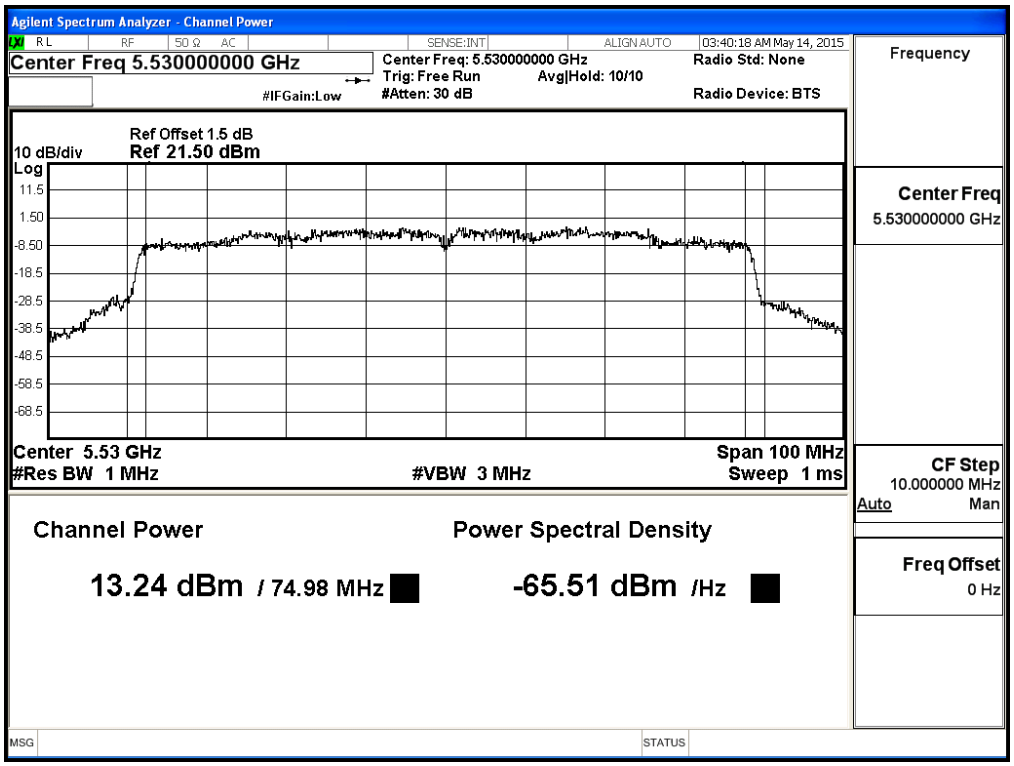
Maximum conducted output power:

Channel 58 – Chain B



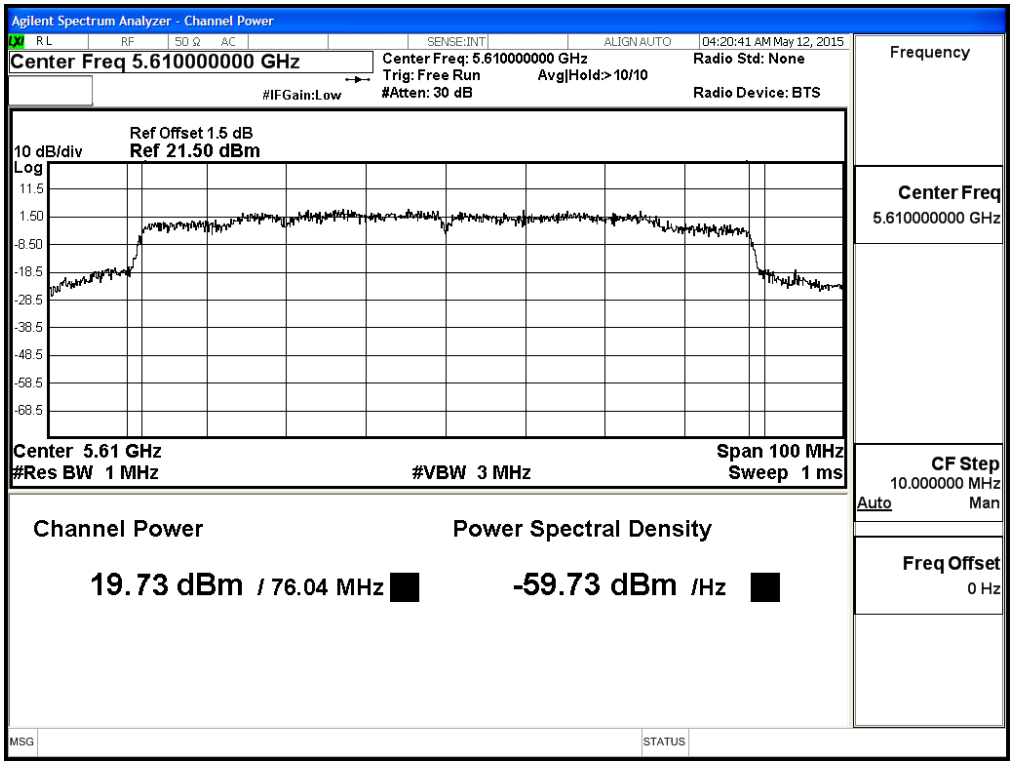
Maximum conducted output power:

Channel 106 – Chain B



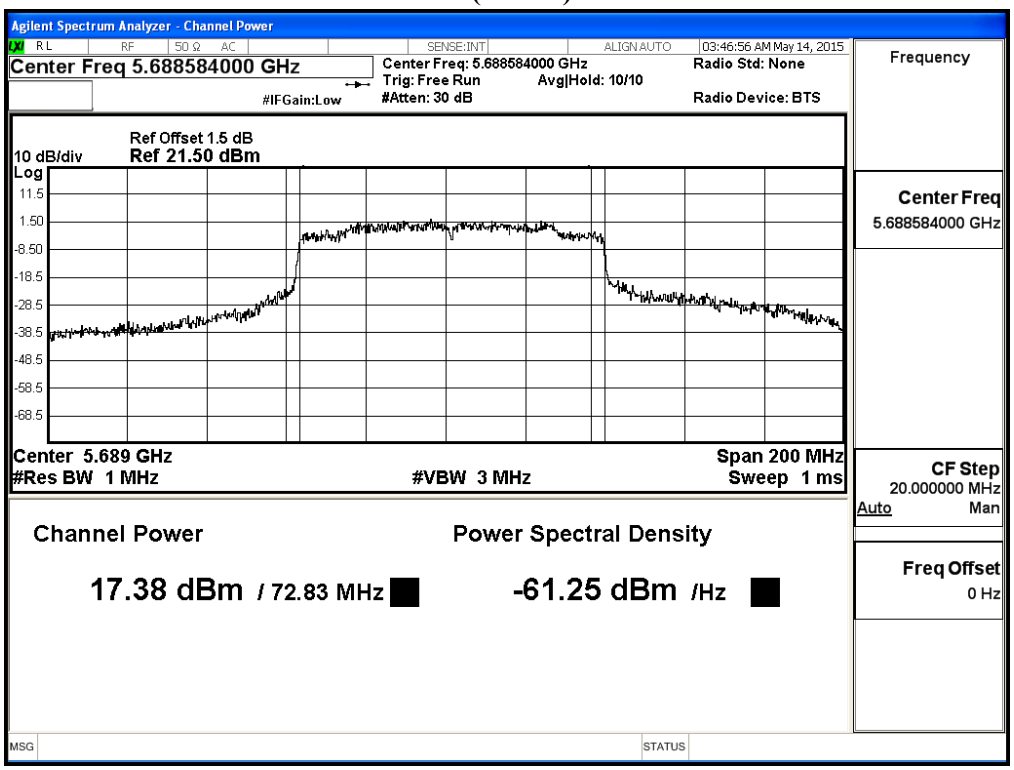
Maximum conducted output power:

Channel 122 – Chain B



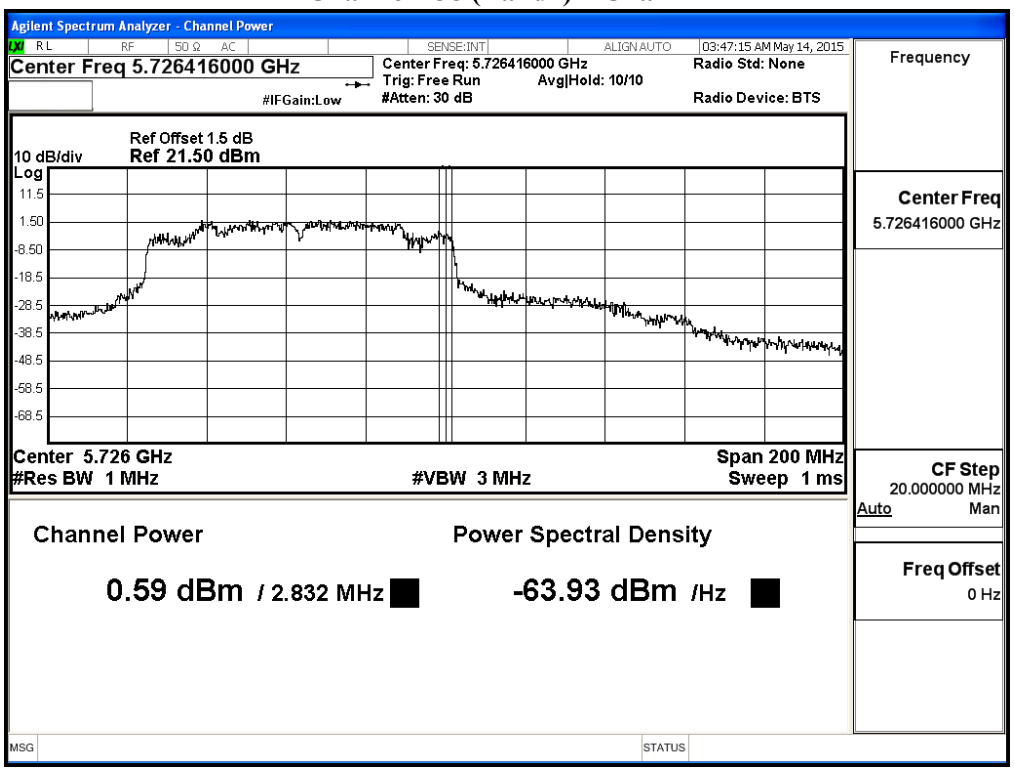
Maximum conducted output power:

Channel 138 (Band3) – Chain B



Maximum conducted output power:

Channel 138 (Band4) – Chain B



Product : Intel® Dual Band Wireless-AC 8260
Test Item : Maximum conducted output power
Test Site : No.3 OATS
Test Mode : Mode 4 Beamforming: Transmit (802.11n-20BW 14.4Mbps)

CHAIN A

Cable loss=1dB		Maximum conducted output power								
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Required Limit
		HT0	HT1	HT2	HT3	HT4	HT5	HT6	HT7	
		Measurement Level (dBm)								
36	5180	17.94	--	--	--	--	--	--	--	<30dBm
44	5220	18.18	18.06	17.94	17.83	17.74	17.63	17.58	17.44	<30dBm
48	5240	18.16	--	--	--	--	--	--	--	<30dBm
52	5260	18.48	--	--	--	--	--	--	--	<24dBm
60	5300	18.47	18.36	18.24	18.17	18.08	17.93	17.84	17.76	<24dBm
64	5320	17.32	--	--	--	--	--	--	--	<24dBm
100	5500	17.74	--	--	--	--	--	--	--	<24dBm
116	5580	18.45	18.36	18.28	18.16	18.07	17.93	17.81	17.74	<24dBm
140	5700	18.6	--	--	--	--	--	--	--	<24dBm

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

CHAIN B

Cable loss=1dB		Maximum conducted output power								
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Required Limit
		HT0	HT1	HT2	HT3	HT4	HT5	HT6	HT7	
		Measurement Level (dBm)								
36	5180	18.22	--	--	--	--	--	--	--	<30dBm
44	5220	17.94	17.86	17.74	17.62	17.58	17.43	17.38	17.21	<30dBm
48	5240	18.17	--	--	--	--	--	--	--	<30dBm
52	5260	18.08	--	--	--	--	--	--	--	<24dBm
60	5300	18.07	17.97	17.83	17.74	17.66	17.52	17.47	17.38	<24dBm
64	5320	17.43	--	--	--	--	--	--	--	<24dBm
100	5500	17.53	--	--	--	--	--	--	--	<24dBm
116	5580	17.18	17.06	16.97	16.83	16.76	16.64	16.52	16.48	<24dBm
140	5700	17.52	--	--	--	--	--	--	--	<24dBm

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Maximum conducted output power Measurement:

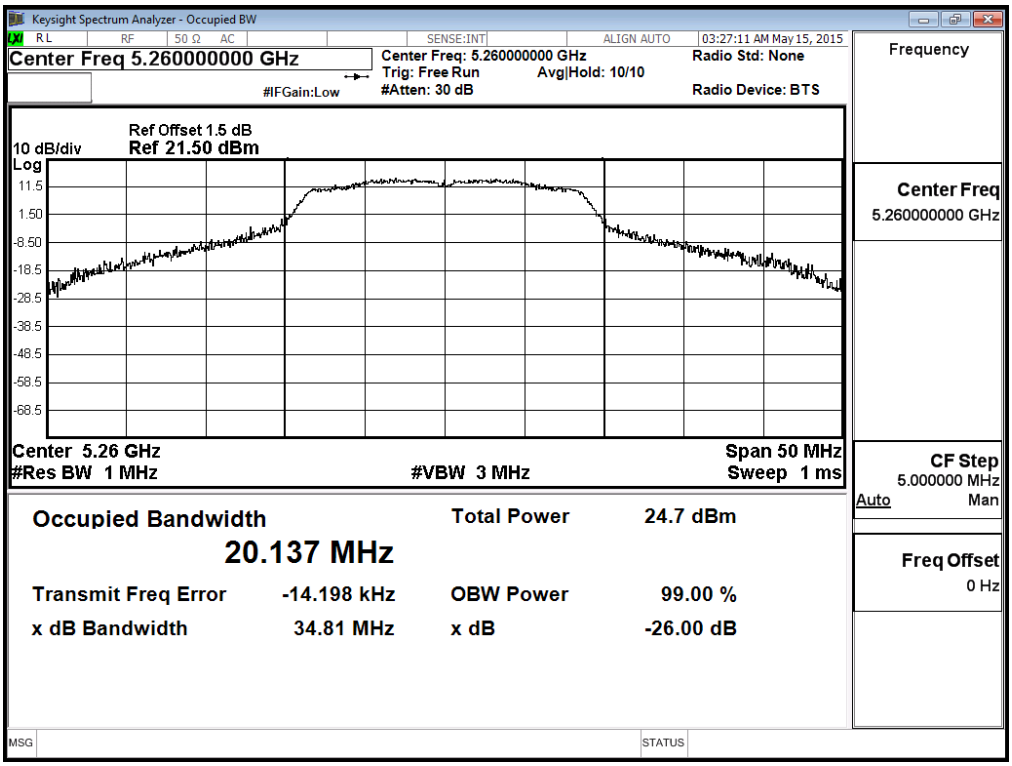
(CHAIN A+ B)

Channel Number	Frequency (MHz)	99% Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Duty Factor (dB)	Total Output Power (dBm)	Output Power Limit	
							(dBm)	dBm+10log(BW)
36	5180	--	17.94	18.22	0.088	21.181	24	--
44	5220	--	18.18	17.94	0.088	21.160	24	--
48	5240	--	18.16	18.17	0.088	21.263	24	--
52	5260	20.095	18.48	18.08	0.088	21.383	24	24.03
60	5300	20.558	18.47	18.07	0.088	21.373	24	24.13
64	5320	19.517	17.32	17.43	0.088	20.474	24	23.90
100	5500	19.280	17.74	17.53	0.088	20.735	24	23.85
116	5580	19.467	18.45	17.18	0.088	20.960	24	23.89
140	5700	18.631	18.60	17.52	0.088	21.192	24	23.70

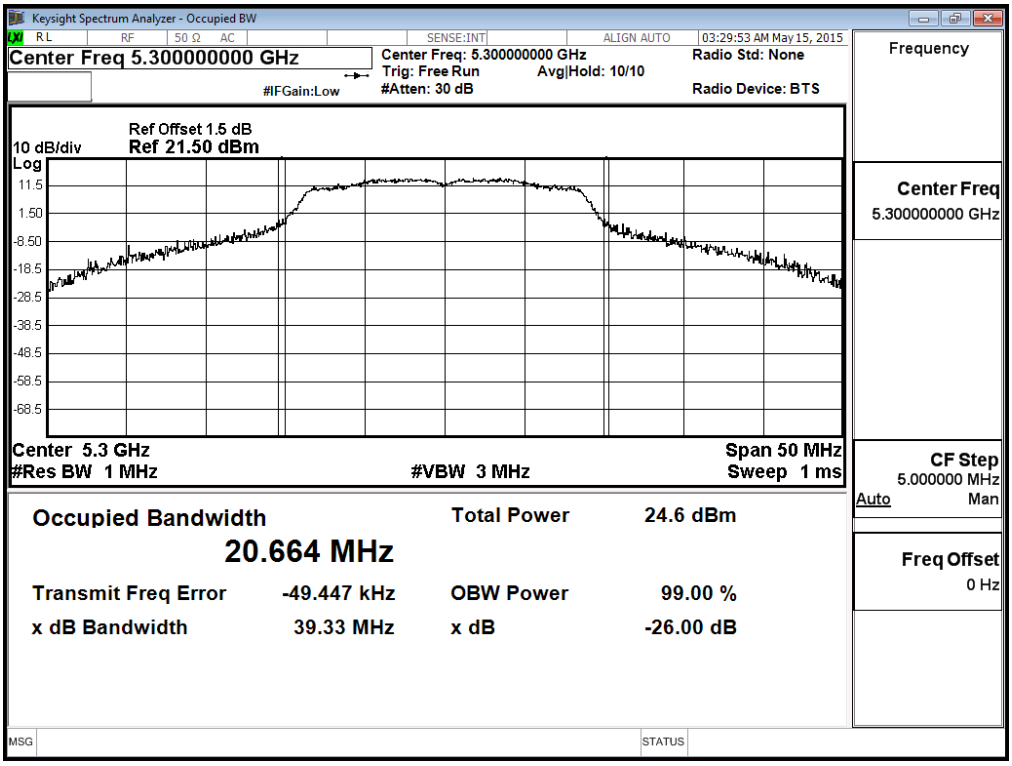
Note:

1. Total Output Power (dBm) = 10LOG (Chain A Power (mW) + Chain B Power (mW)) + Duty Factor.
2. 26 dB Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.

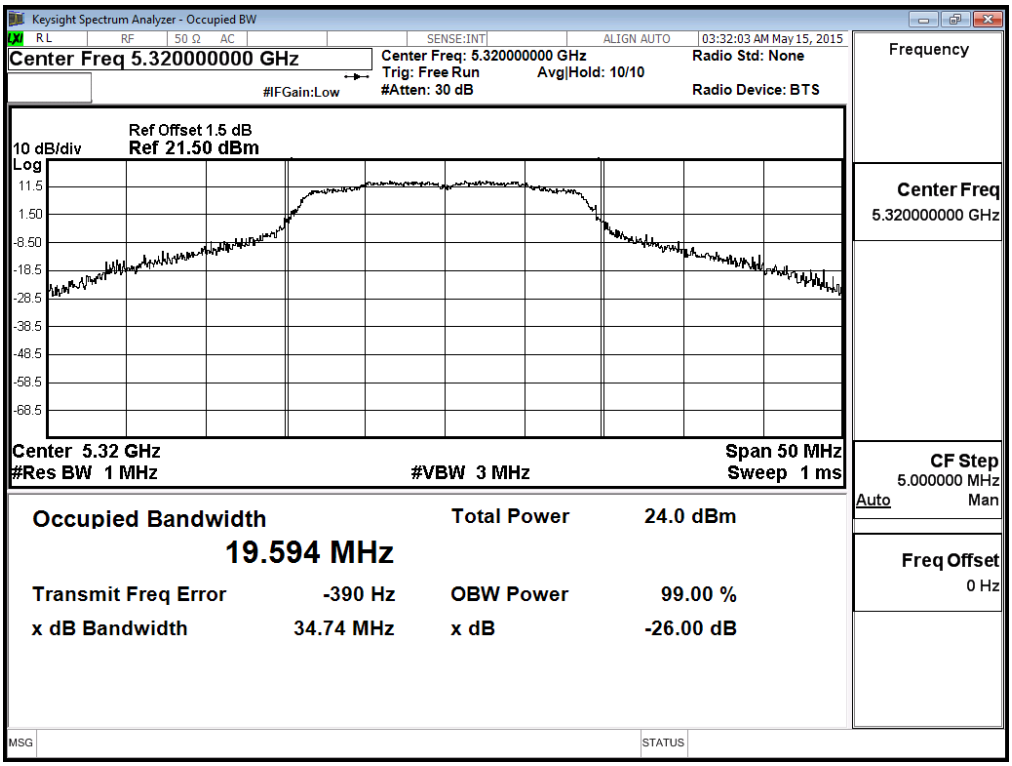
99% Occupied Bandwidth:
Channel 52 -Chain A



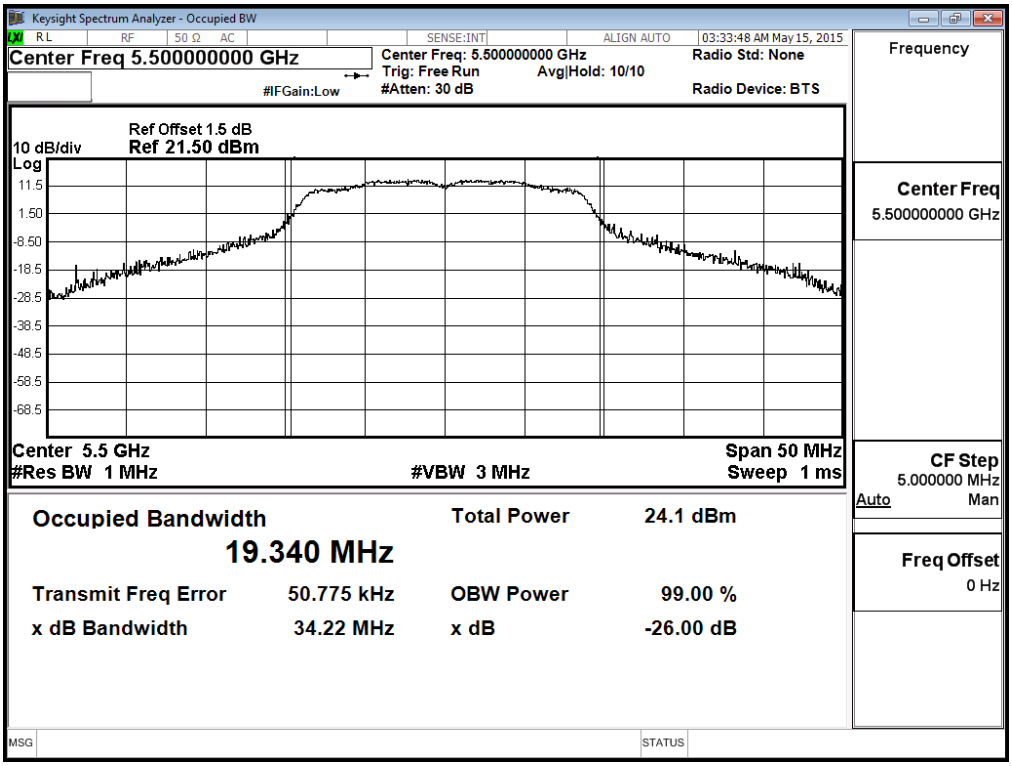
Channel 60 -Chain A



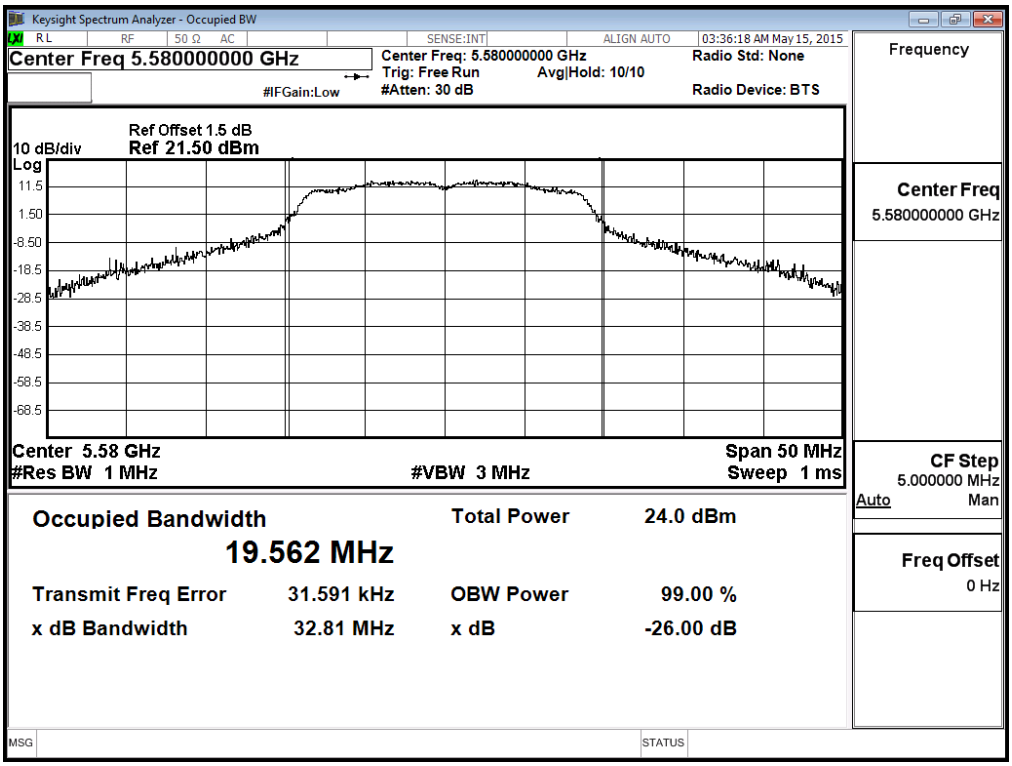
Channel 64 -Chain A



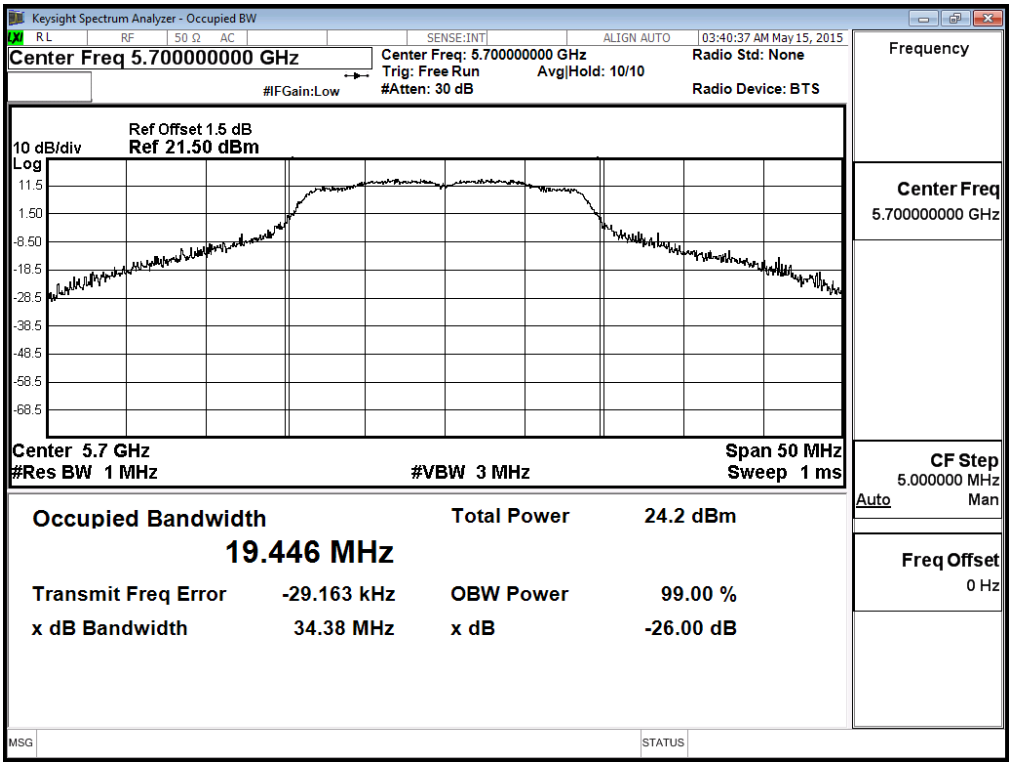
Channel 100 -Chain A



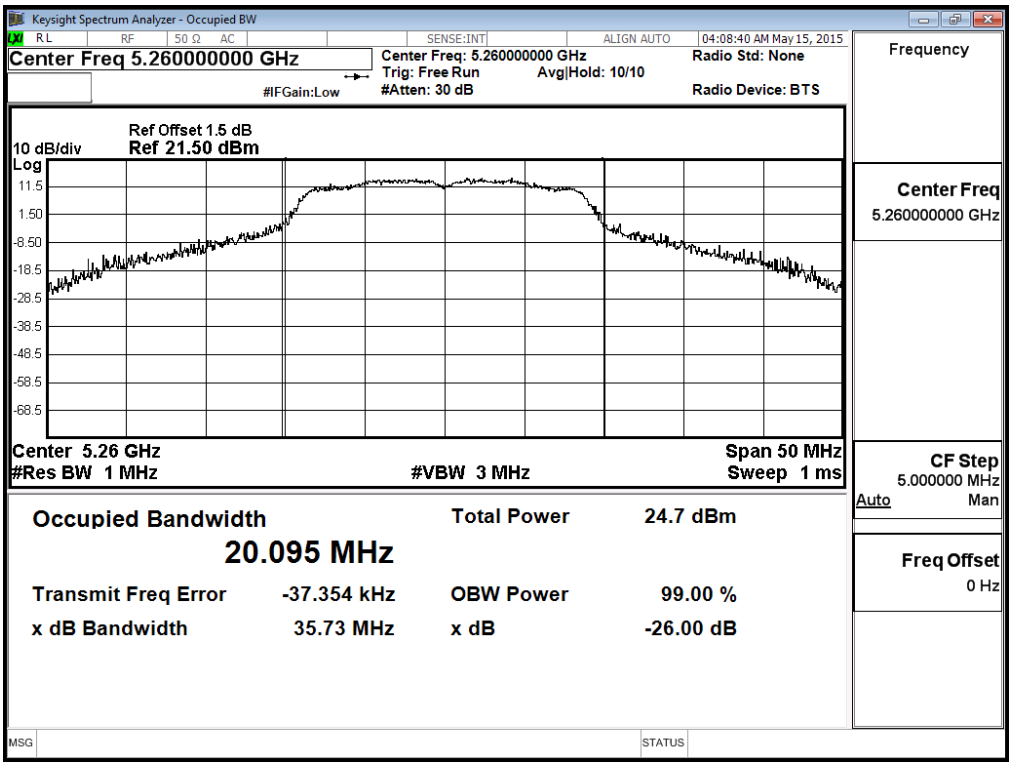
Channel 116 -Chain A



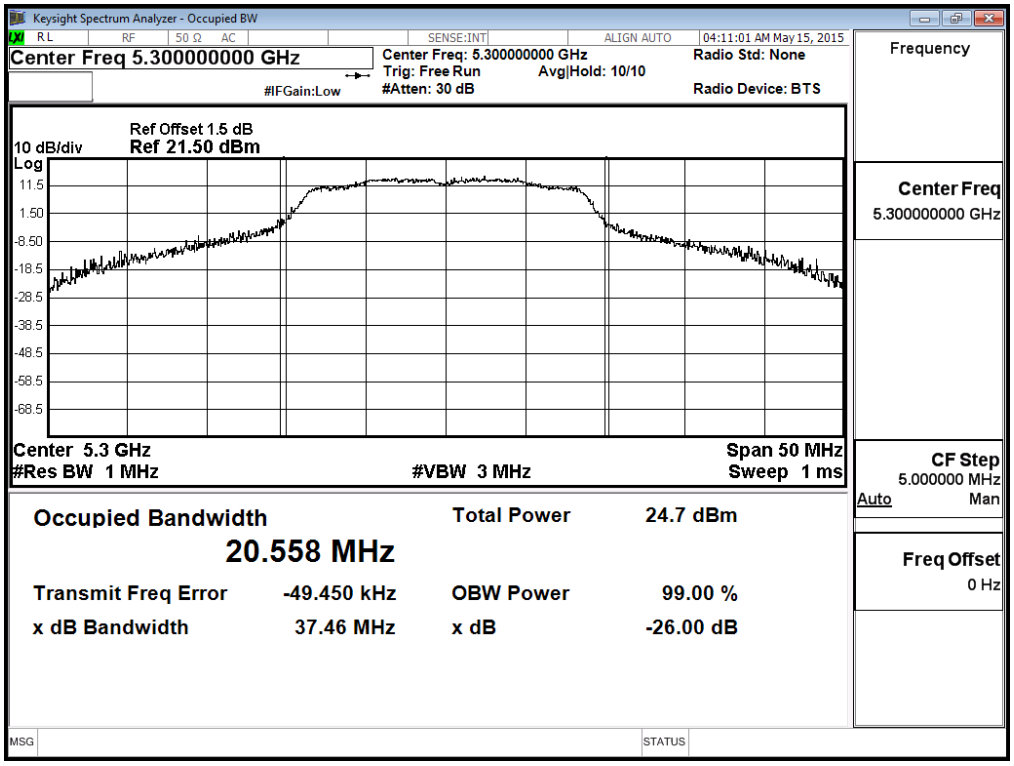
Channel 140 -Chain A



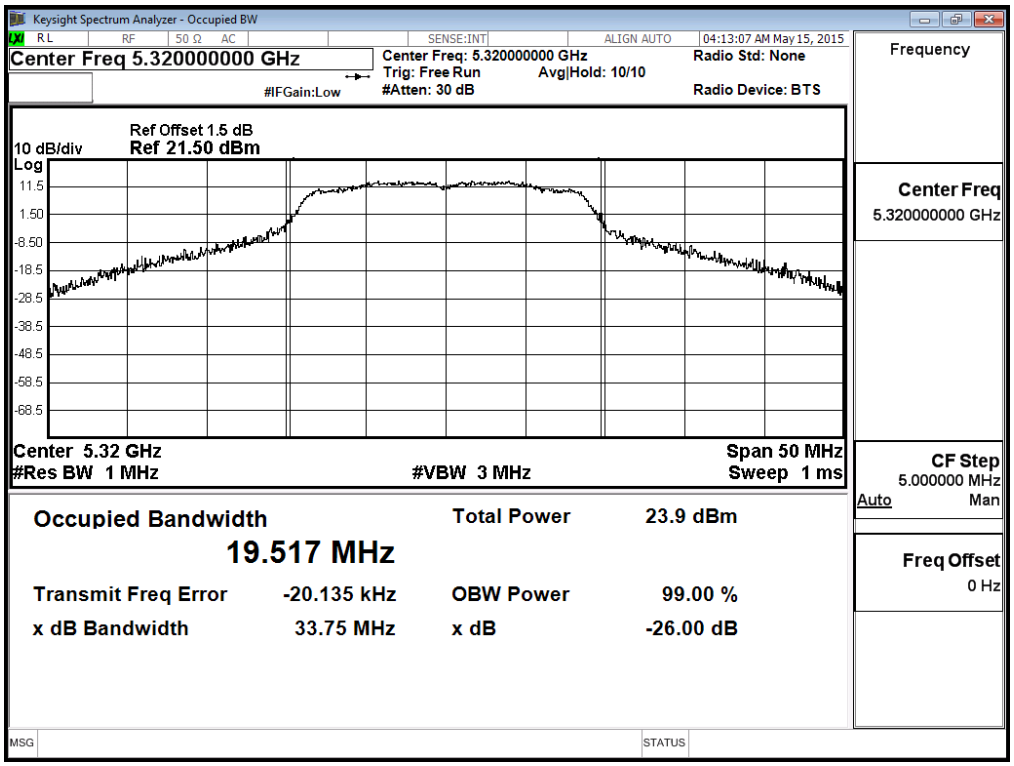
99% Occupied Bandwidth:
Channel 52 -Chain B



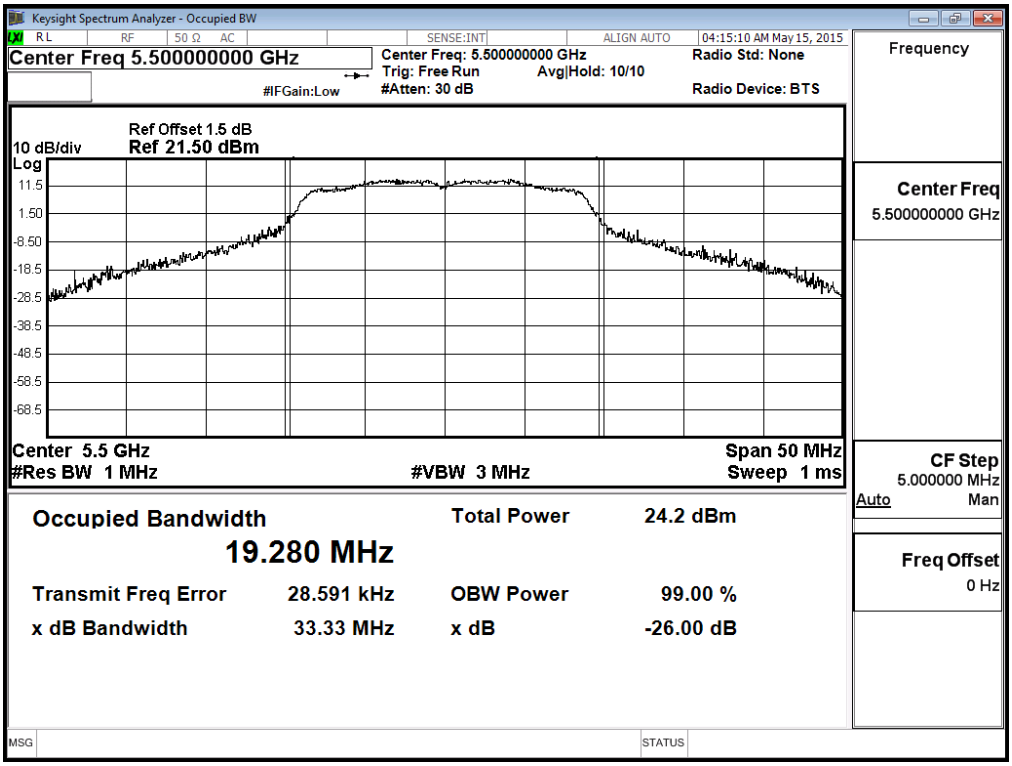
Channel 60 -Chain B



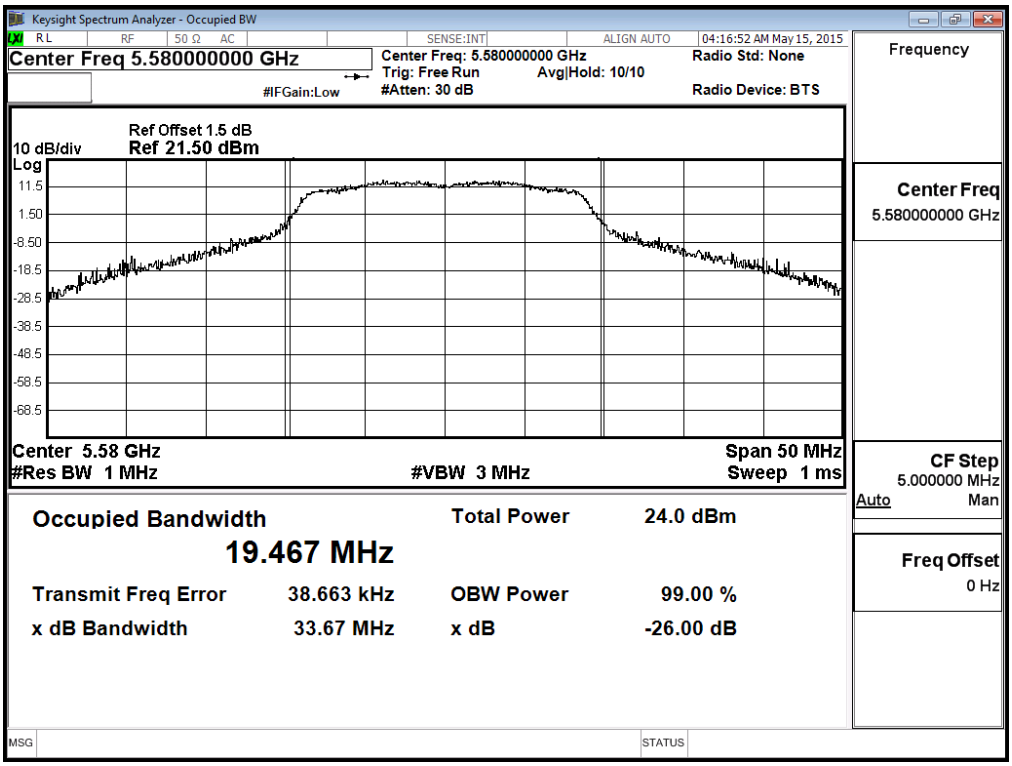
Channel 64 -Chain B



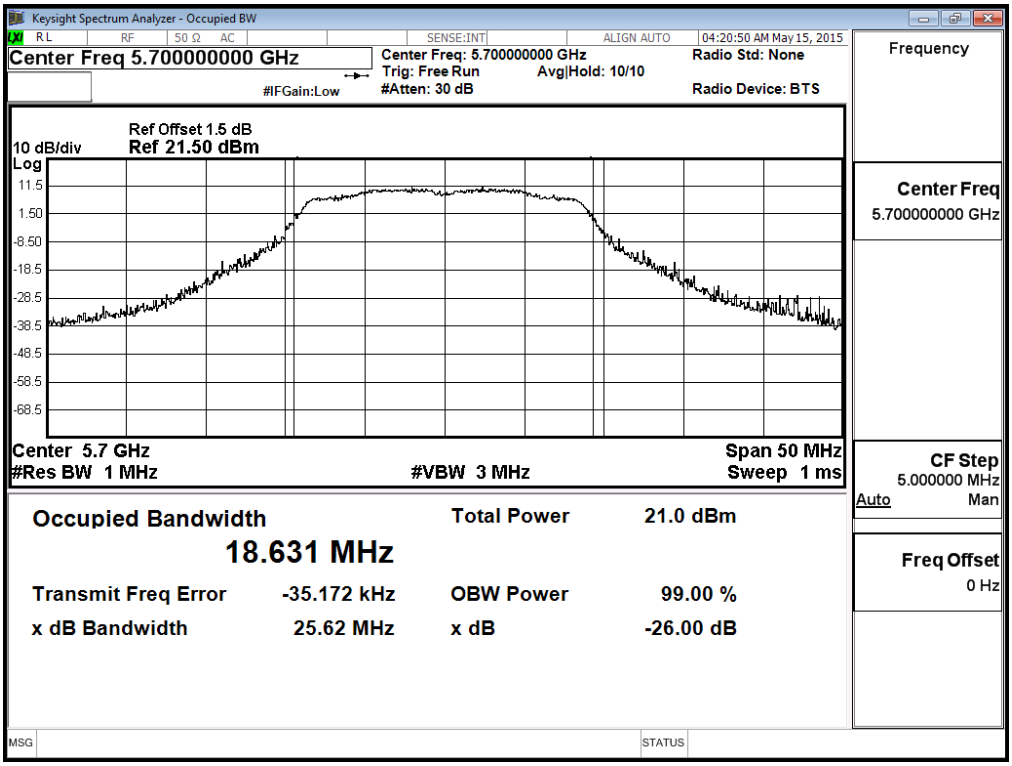
Channel 100 -Chain B



Channel 116 -Chain B



Channel 140 -Chain B



Product : Intel® Dual Band Wireless-AC 8260
Test Item : Maximum conducted output power
Test Site : No.3 OATS
Test Mode : Mode 4 Beamforming: Transmit (802.11n-40BW 30Mbps)

CHAIN A

Cable loss=1dB		Maximum conducted output power								
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Required Limit
		HT0	HT1	HT2	HT3	HT4	HT5	HT6	HT7	
		Measurement Level (dBm)								
38	5190	18.03	--	--	--	--	--	--	--	<30dBm
46	5230	18.13	18.06	17.95	17.83	17.74	17.68	17.55	17.43	<30dBm
54	5270	18.45	--	--	--	--	--	--	--	<24dBm
62	5310	14.63	14.51	14.46	14.38	14.28	14.11	14.08	13.97	<24dBm
102	5510	15.82	--	--	--	--	--	--	--	<24dBm
110	5550	18.53	18.43	18.33	18.27	18.19	18.02	17.97	17.86	<24dBm
134	5670	18.64	--	--	--	--	--	--	--	<24dBm

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

CHAIN B

Cable loss=1dB		Maximum conducted output power								
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Required Limit
		HT0	HT1	HT2	HT3	HT4	HT5	HT6	HT7	
		Measurement Level (dBm)								
38	5190	18.2	--	--	--	--	--	--	--	<30dBm
46	5230	17.79	17.63	17.57	17.44	17.38	17.29	17.11	17.05	<30dBm
54	5270	17.94	--	--	--	--	--	--	--	<24dBm
62	5310	13.88	13.76	13.64	13.52	13.49	13.37	13.26	13.11	<24dBm
102	5510	16.02	--	--	--	--	--	--	--	<24dBm
110	5550	18.06	17.93	17.87	17.76	17.63	17.54	17.48	17.33	<24dBm
134	5670	17.84	--	--	--	--	--	--	--	<24dBm

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Maximum conducted output power Measurement:

(CHAIN A+ B)

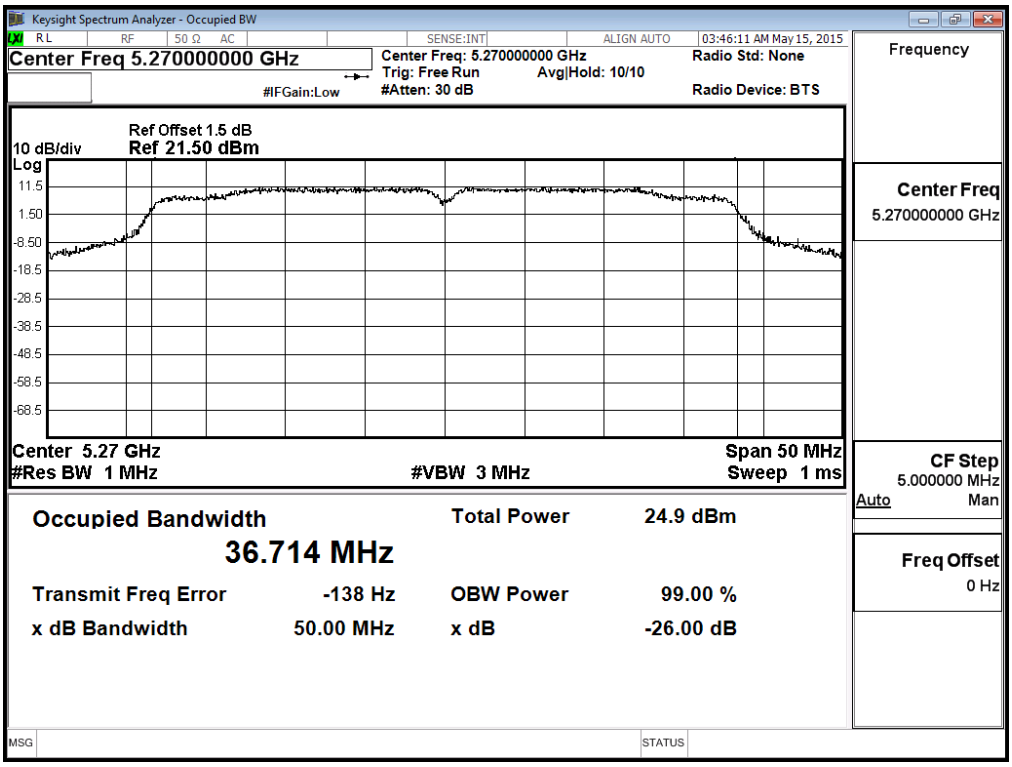
Channel Number	Frequency (MHz)	99% Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Duty Factor (dB)	Total Output Power (dBm)	Output Power Limit	
							(dBm)	dBm+10log(BW)
38	5190	--	18.03	18.20	0.150	21.276	24	--
46	5230	--	18.13	17.79	0.150	21.124	24	--
54	5270	36.714	18.45	17.94	0.150	21.363	24	26.65
62	5310	36.425	14.63	13.88	0.150	17.431	24	26.61
102	5510	36.436	15.82	16.02	0.150	19.081	24	26.62
110	5550	36.808	18.53	18.06	0.150	21.462	24	26.66
134	5670	36.595	18.64	17.84	0.150	21.419	24	26.63

Note:

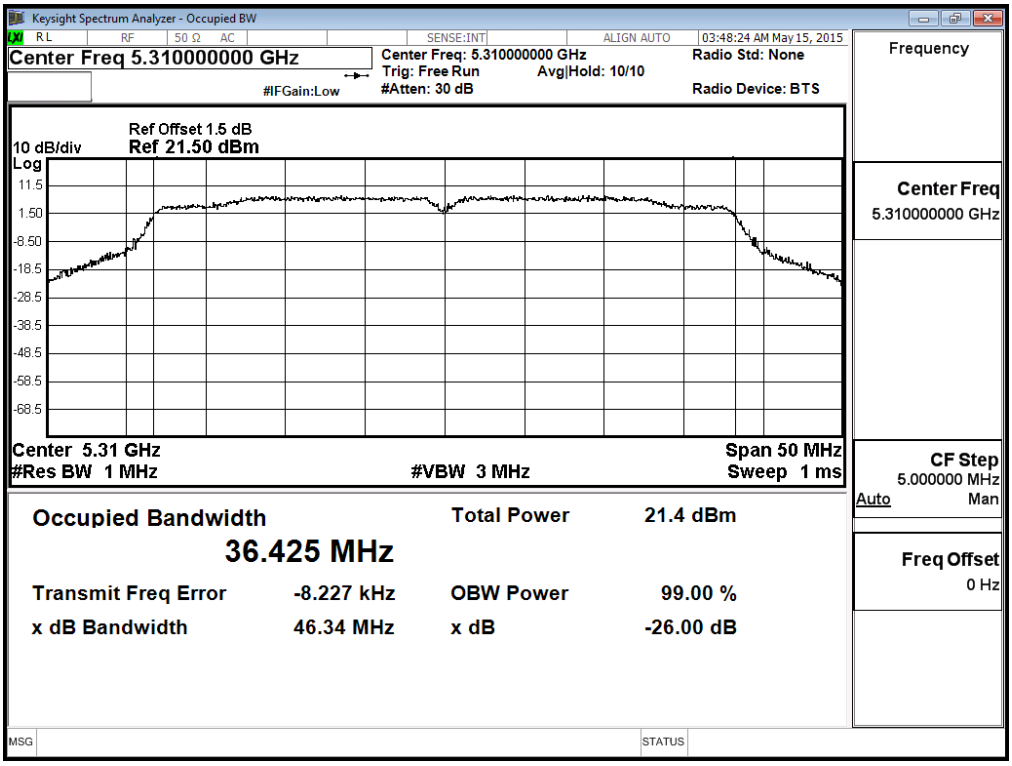
1. Total Output Power (dBm) = 10LOG (Chain A Power (mW) + Chain B Power (mW)) + Duty Factor.
2. 26 dB Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.

99% Occupied Bandwidth:

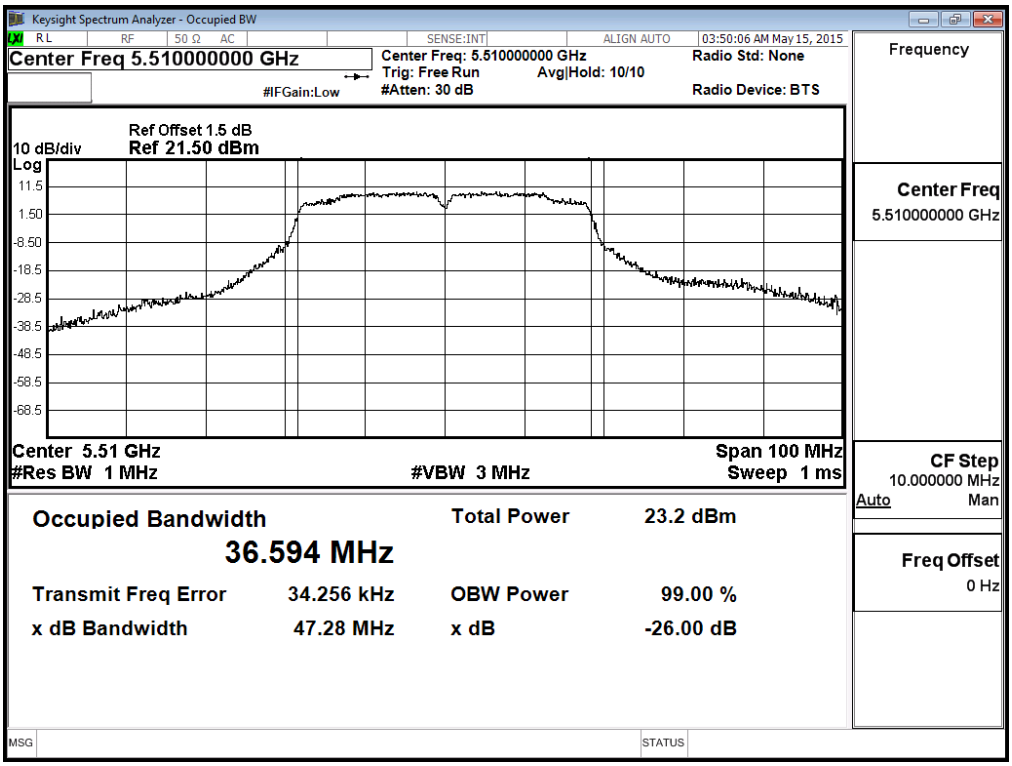
Channel 54 – Chain A



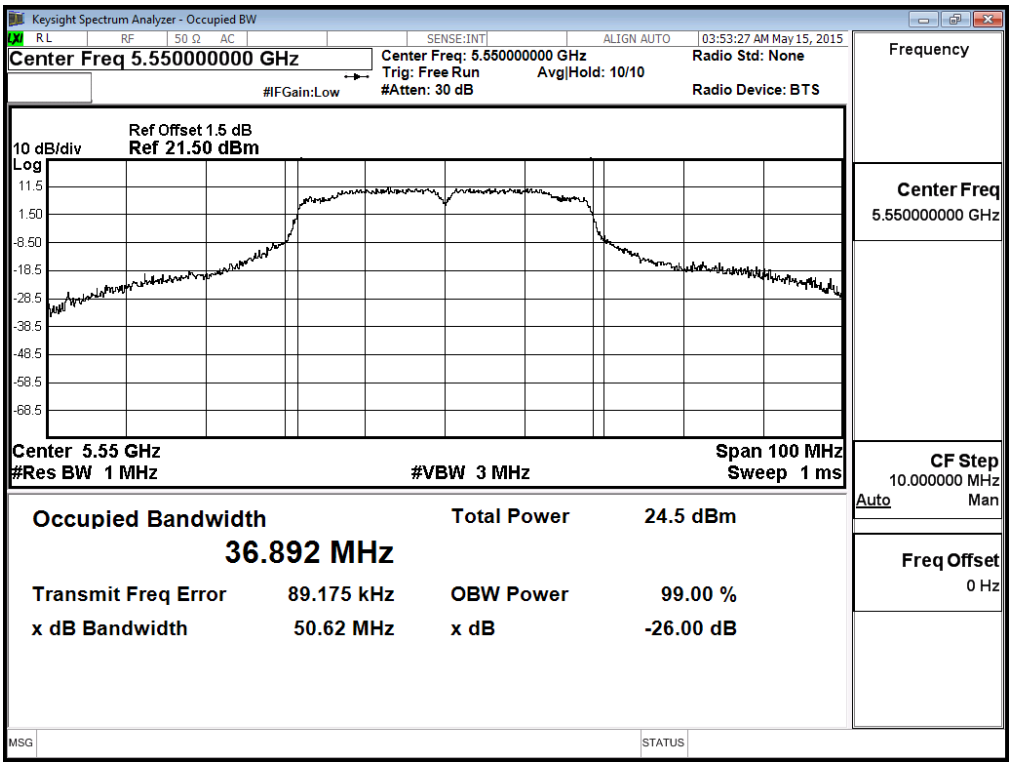
Channel 62 – Chain A



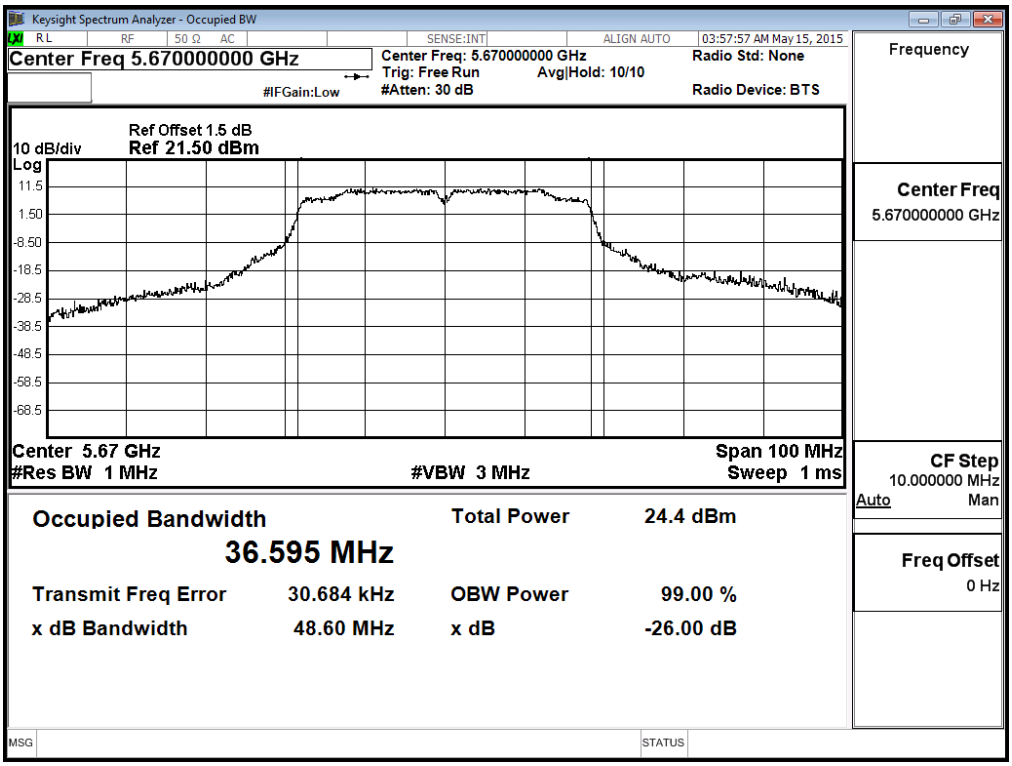
Channel 102 – Chain A



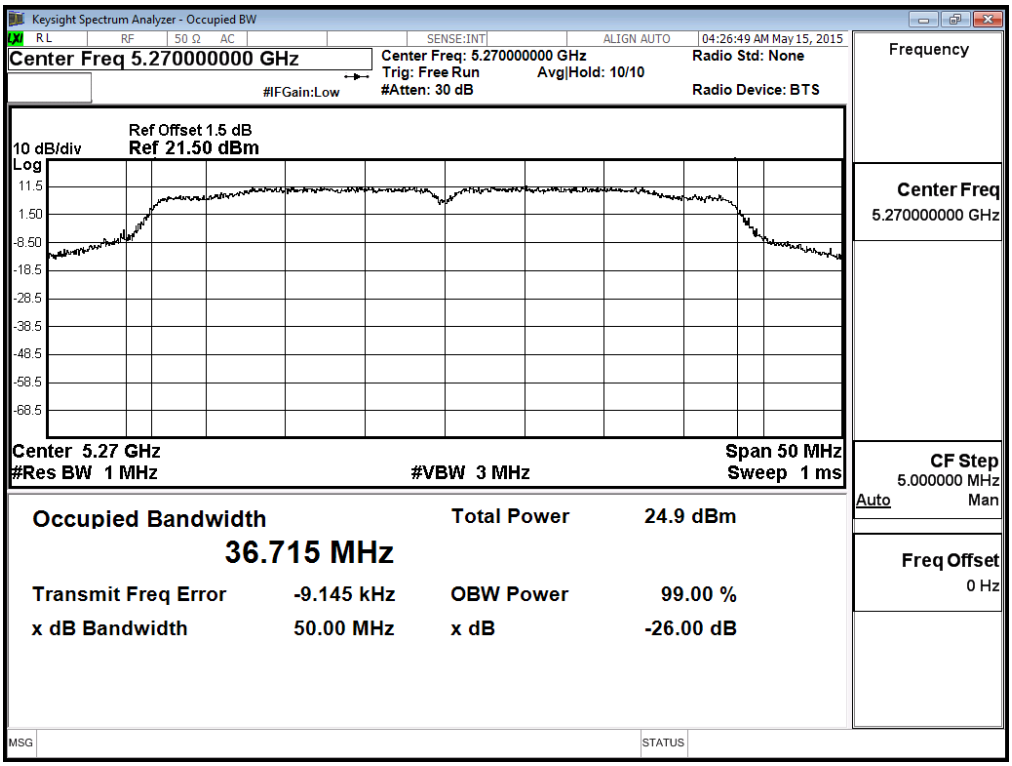
Channel 110 – Chain A



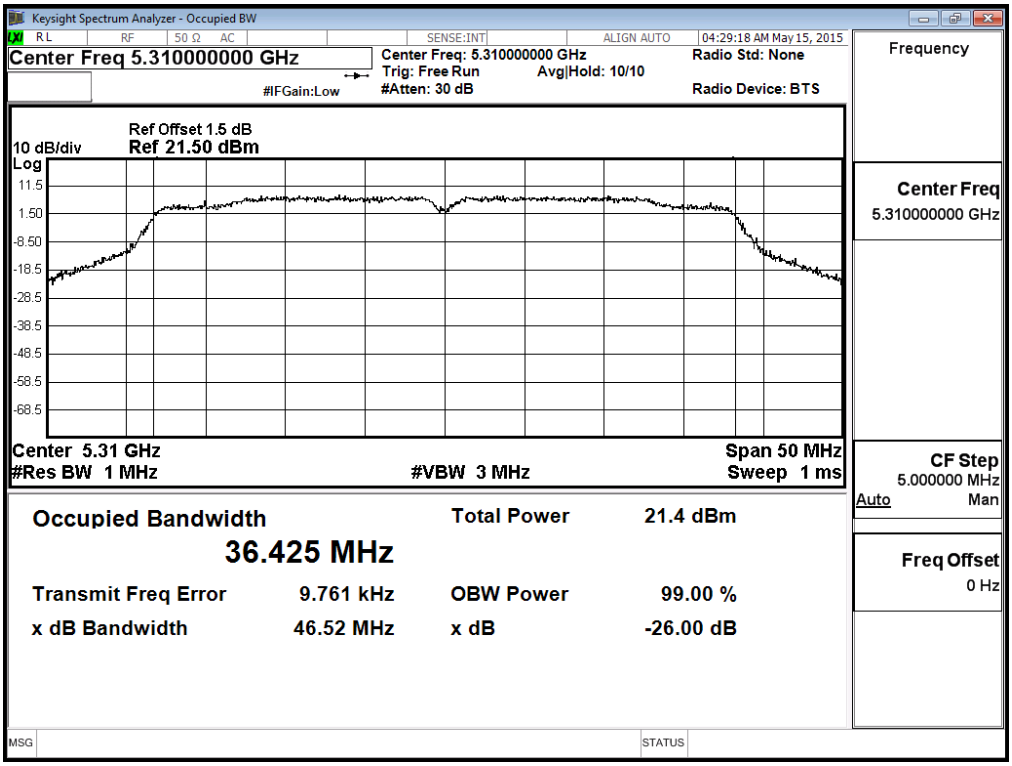
Channel 134 – Chain A



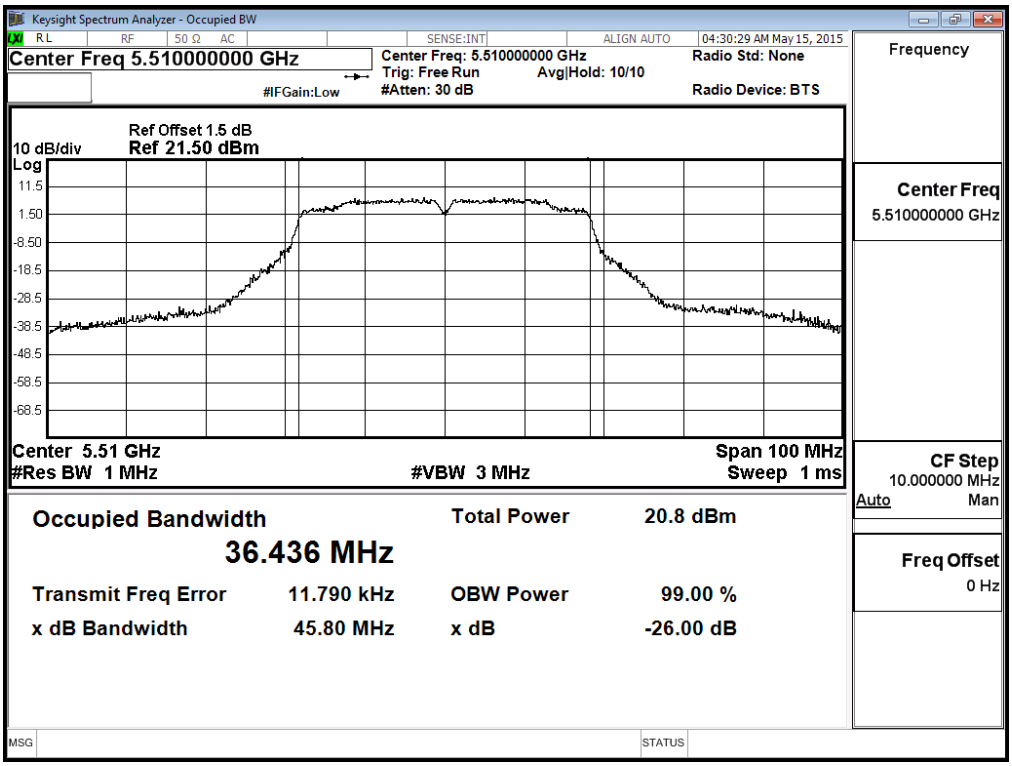
99% Occupied Bandwidth:
Channel 54 – Chain B



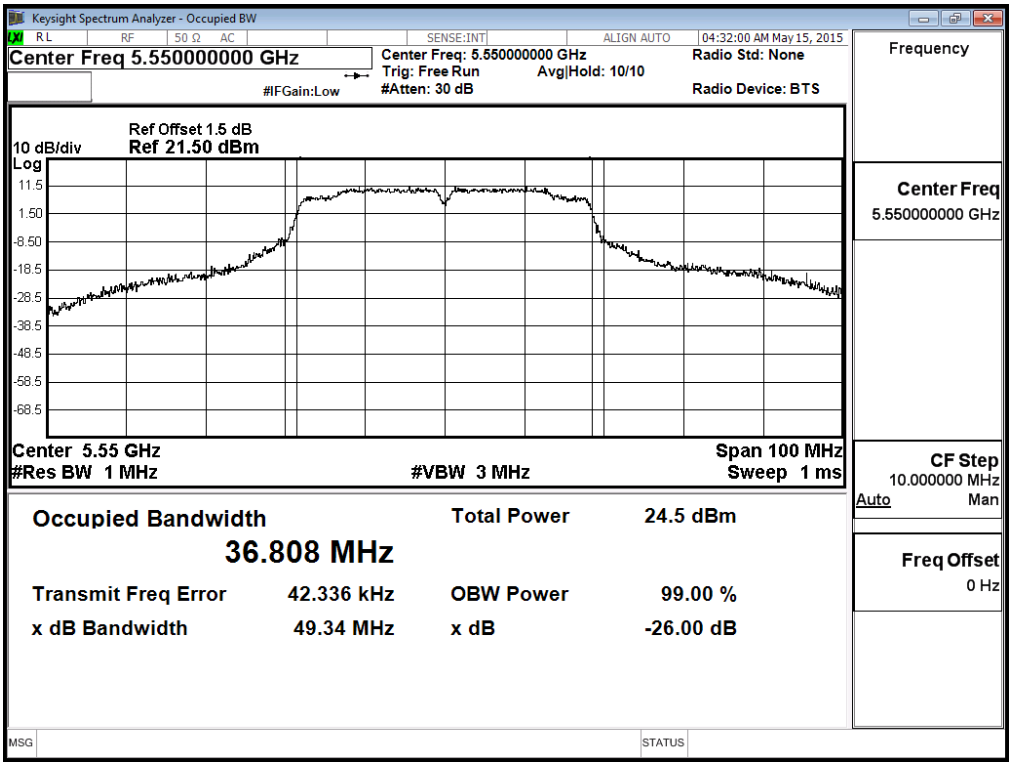
Channel 62 – Chain B



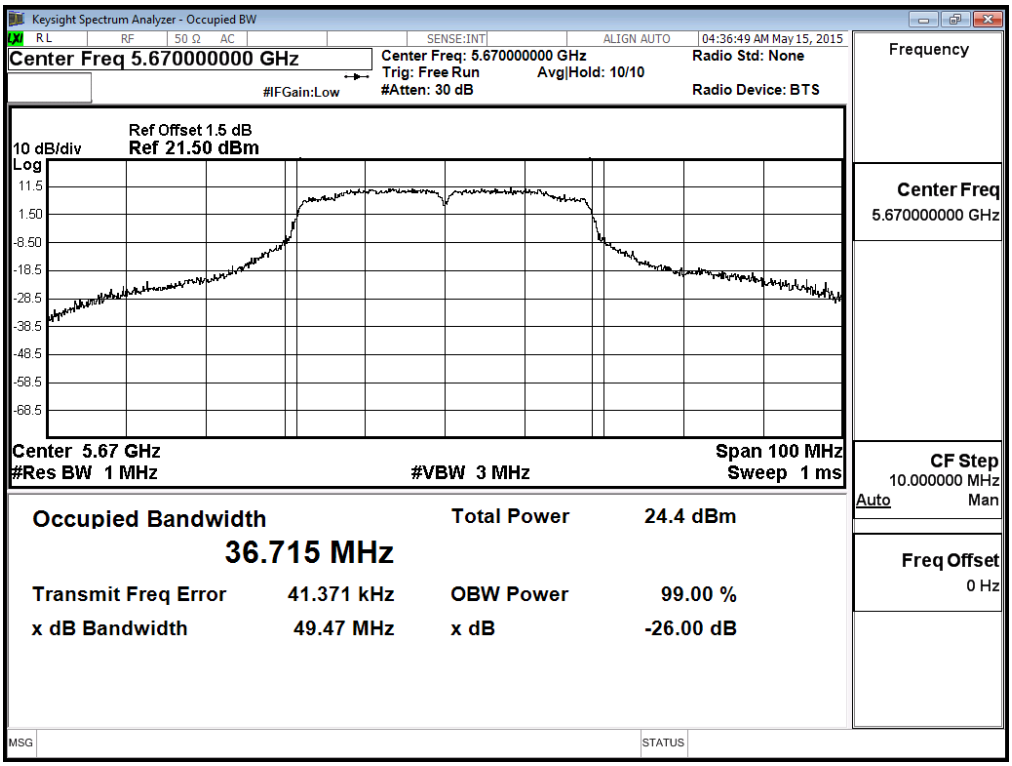
Channel 102 – Chain B



Channel 110 – Chain B



Channel 134 – Chain B



Product : Intel® Dual Band Wireless-AC 8260
Test Item : Maximum conducted output power
Test Site : No.3 OATS
Test Mode : Mode 4 Beamforming: Transmit (802.11ac-20BW-7.2Mbps)

Chain A

Cable loss=1dB		Maximum conducted output power									
Channel No.	Frequency (MHz)	Data Rate (Mbps)									Required Limit
		VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8	
		Measurement Level (dBm)									
144 (Band3)	5720	18.23	17.98	17.73	17.48	17.23	16.98	16.73	16.48	16.23	<24dBm
144 (Band4)	5720	10.4	10.33	10.26	10.19	10.12	10.05	9.98	9.91	9.84	<30dBm

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Chain B

Cable loss=1dB		Maximum conducted output power									
Channel No.	Frequency (MHz)	Data Rate (Mbps)									Required Limit
		VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8	
		Measurement Level (dBm)									
144 (Band3)	5720	18.92	18.63	18.34	18.05	17.76	17.47	17.18	16.89	16.6	<24dBm
144 (Band4)	5720	10.46	10.25	10.17	10.04	9.81	9.74	9.63	9.57	9.44	<30dBm

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Maximum conducted output power Measurement:

CHAIN A+B

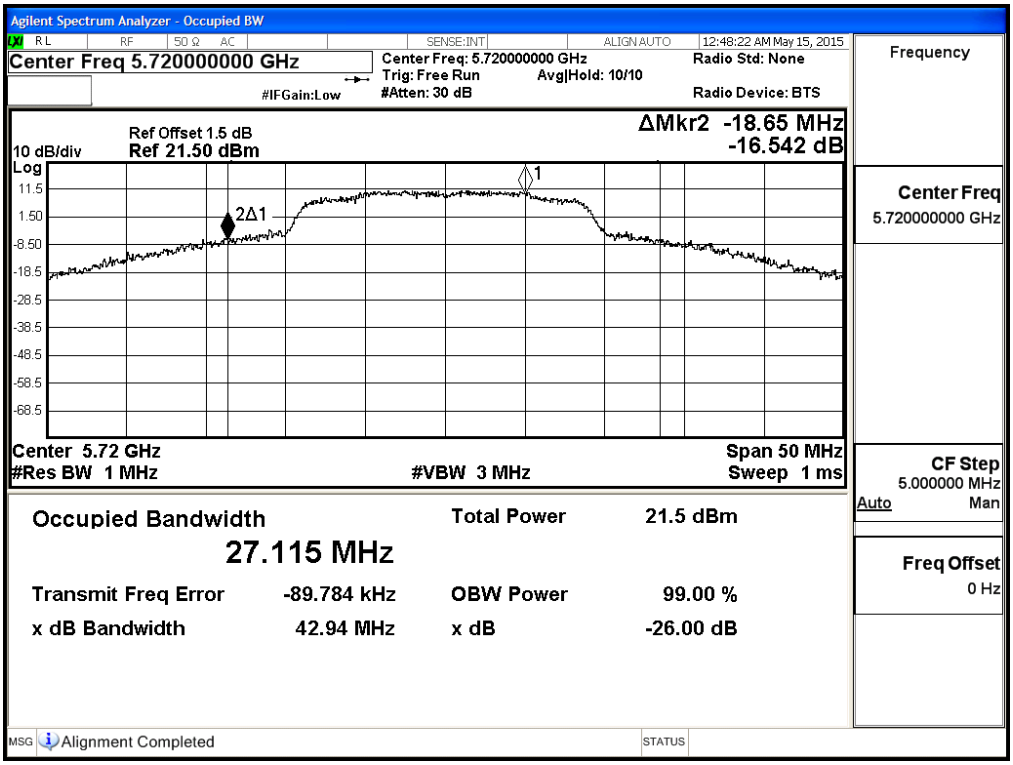
Channel Number	Frequency (MHz)	26dB Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Output Power (dBm)	Output Power Limit	
						(dBm)	dBm+10log(BW)
144(Band3)	5720	18.650	18.23	18.92	21.60	24	23.71
144(Band4)	5720	8.465	10.40	10.46	13.44	30	20.28

Note:

1. Total Output Power (dBm) = 10LOG (Chain A Power (mW) + Chain B Power (mW)) + Duty Factor.
2. 26 dB Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.

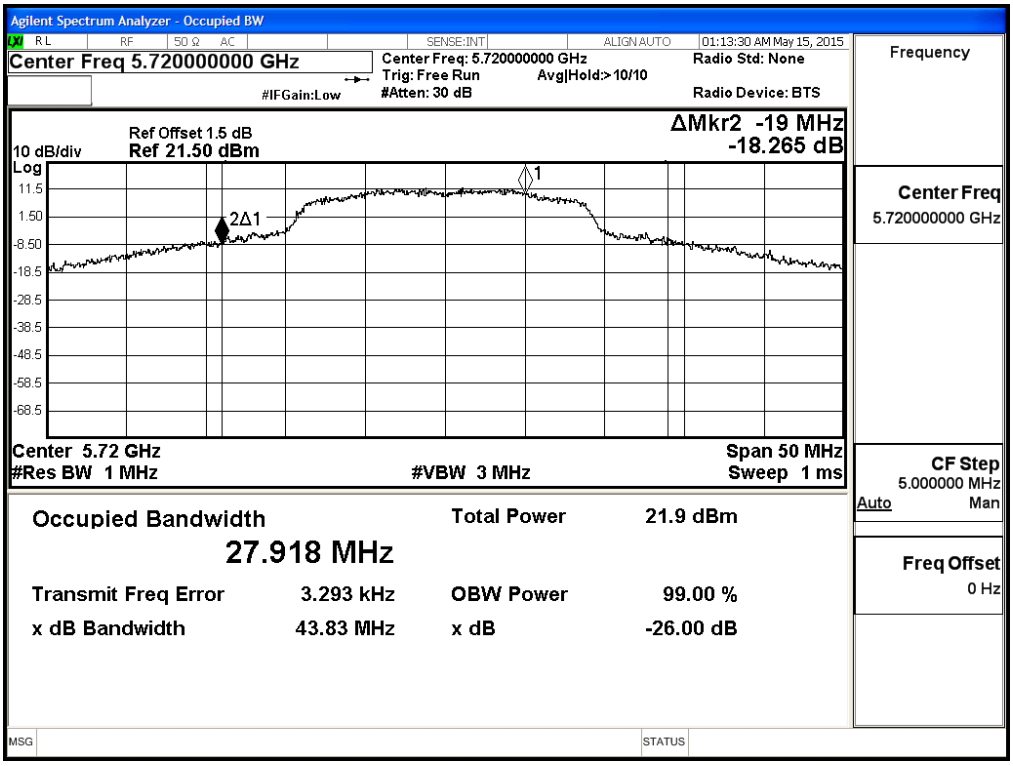
99% Occupied Bandwidth:

Channel 144 – Chain A



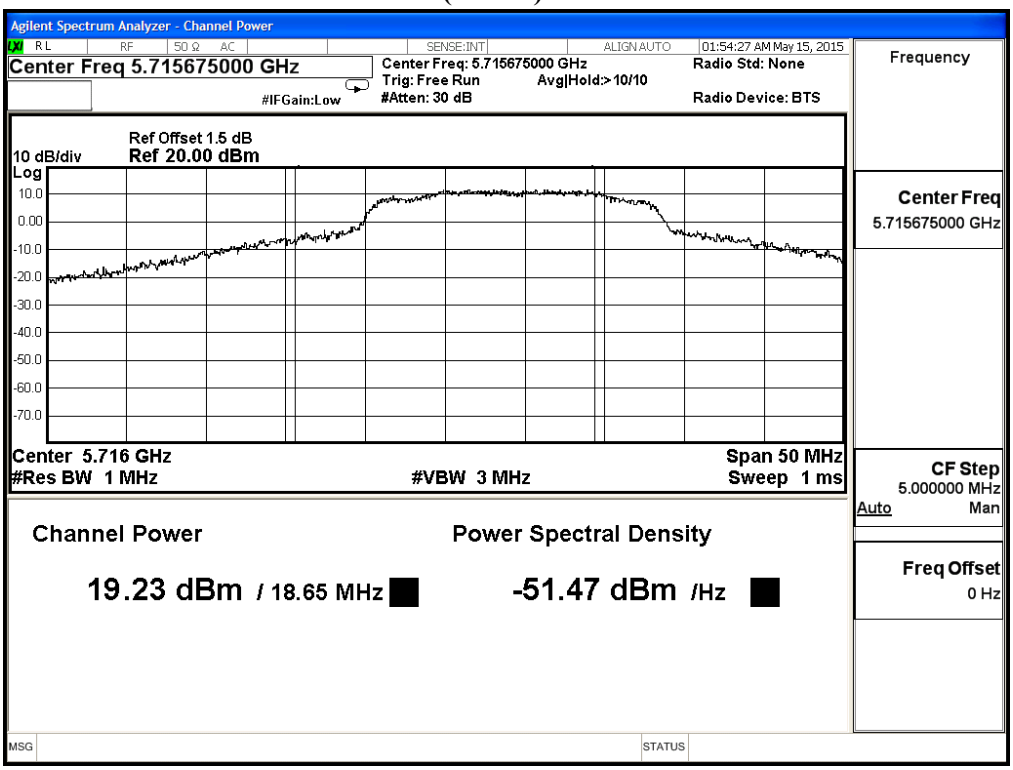
99% Occupied Bandwidth:

Channel 144 – Chain B

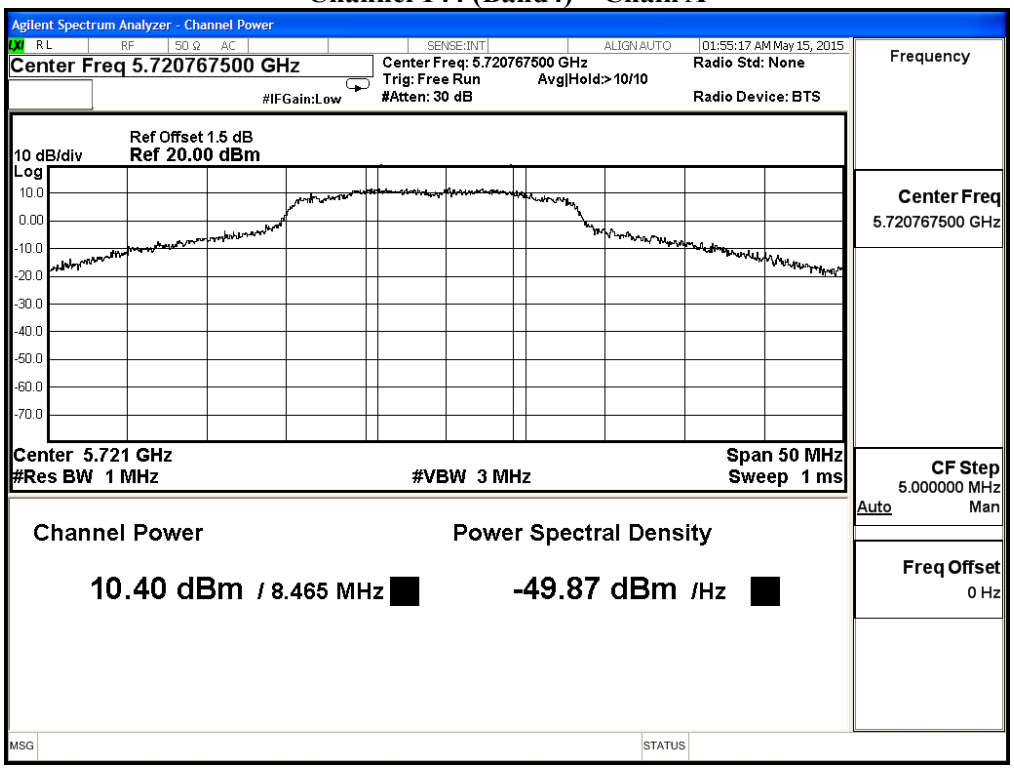


Maximum conducted output power:

Channel 144 (Band3) – Chain A

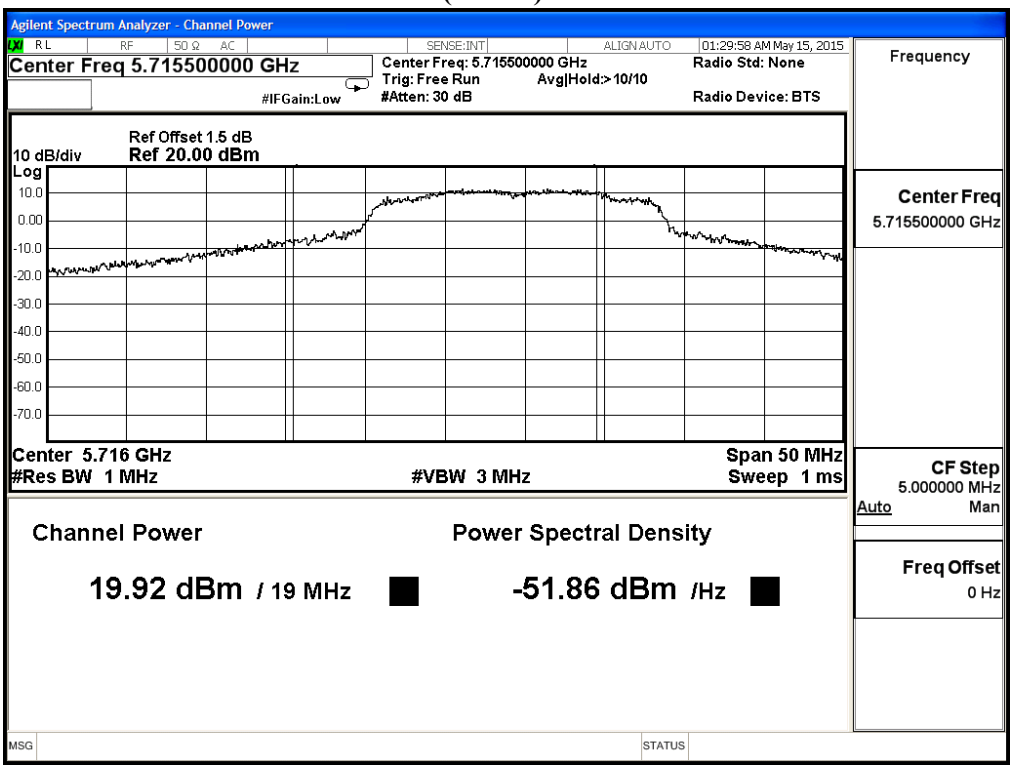


Channel 144 (Band4) – Chain A

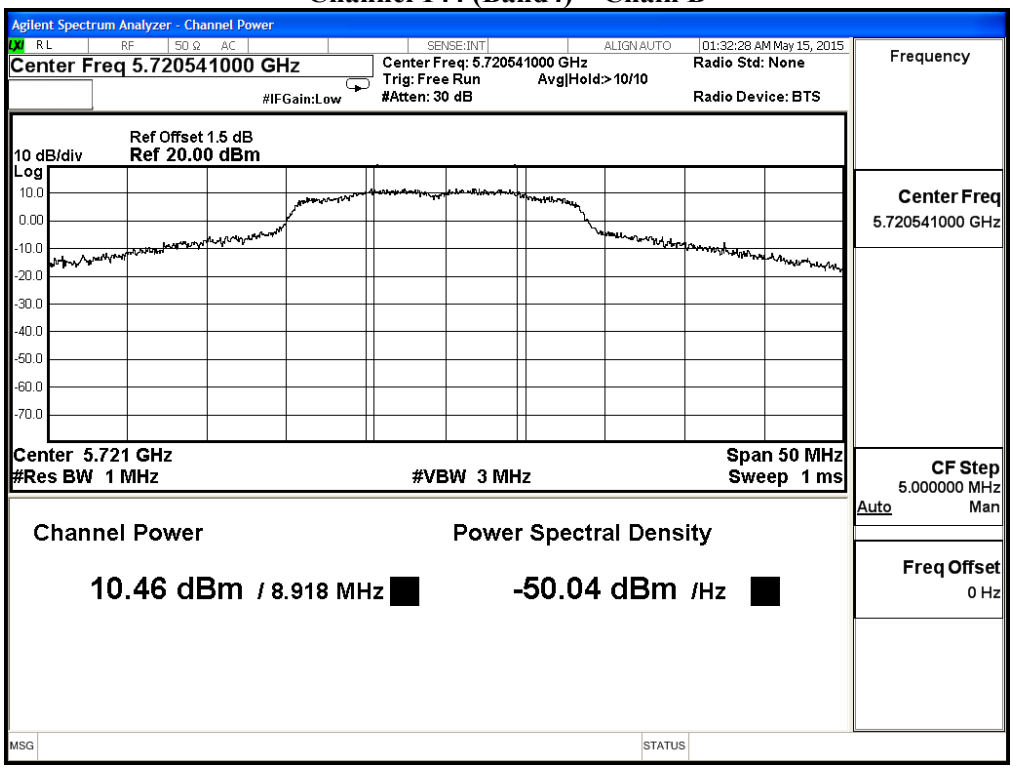


Maximum conducted output power:

Channel 144 (Band3) – Chain B



Channel 144 (Band4) – Chain B



Product : Intel® Dual Band Wireless-AC 8260
Test Item : Maximum conducted output power
Test Site : No.3 OATS
Test Mode : Mode 4 Beamforming: Transmit (802.11ac-40BW-15Mbps)

Chain A

Cable loss=1dB		Maximum conducted output power										
Channel No	Frequency (MHz)	Data Rate (Mbps)										Required Limit
		VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8	VTH9	
142F(Band3)	5710	19.64	19.37	19.1	18.83	18.56	18.29	18.02	17.75	17.48	17.21	<24dBm
142F(Band4)	5710	10.27	10.05	9.83	9.61	9.39	9.17	8.95	8.73	8.51	8.29	<30dBm

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Chain B

Cable loss=1dB		Maximum conducted output power										
Channel No	Frequency (MHz)	Data Rate (Mbps)										Required Limit
		VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8	VTH9	
142F(Band3)	5710	19.36	19.24	19.12	19	18.88	18.76	18.64	18.52	18.4	18.28	<24dBm
142F(Band4)	5710	10.86	10.79	10.72	10.65	10.58	10.51	10.44	10.37	10.3	10.23	<30dBm

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Maximum conducted output power Measurement:

(CHAIN A+ B)

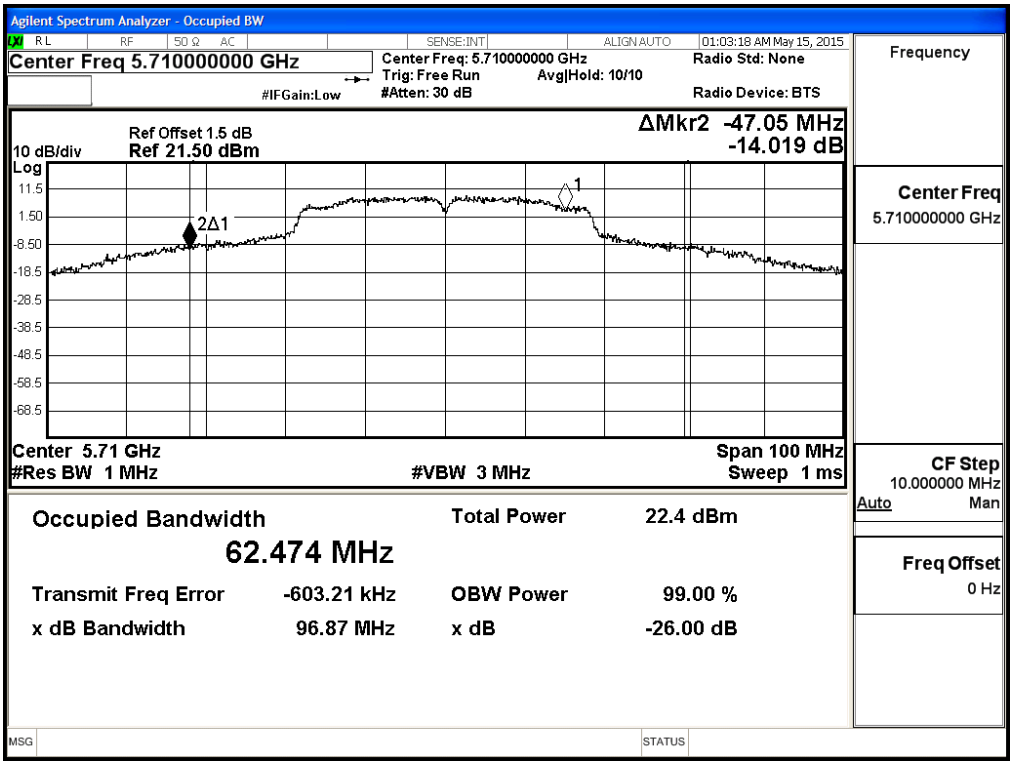
Channel Number	Frequency (MHz)	99% Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Duty Factor (dB)	Total Output Power (dBm)	Output Power Limit	
							(dBm)	dBm+10log(BW)
142F(Band3)	5710	45.000	19.64	19.36	0.315	22.828	24	27.53
142F(Band4)	5710	14.640	10.27	10.86	0.315	13.900	30	22.66

Note:

1. Total Output Power (dBm) = 10LOG (Chain A Power (mW) + Chain B Power (mW)) + Duty Factor.
2. 26 dB Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.

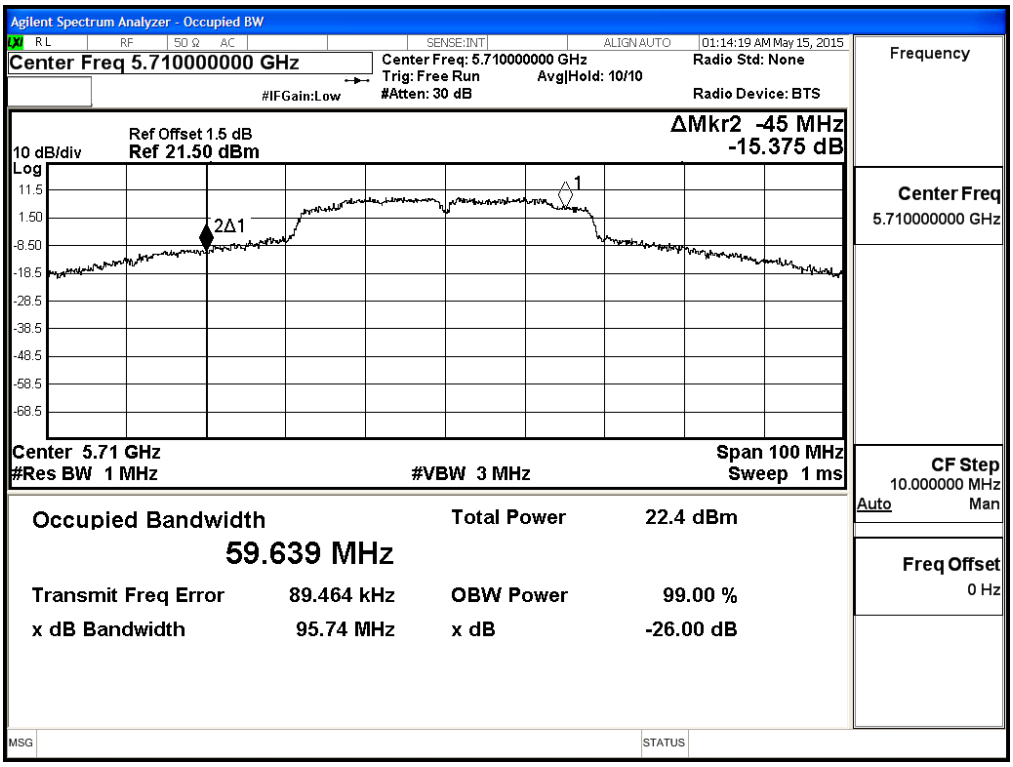
99% Occupied Bandwidth:

Channel 142 – Chain A



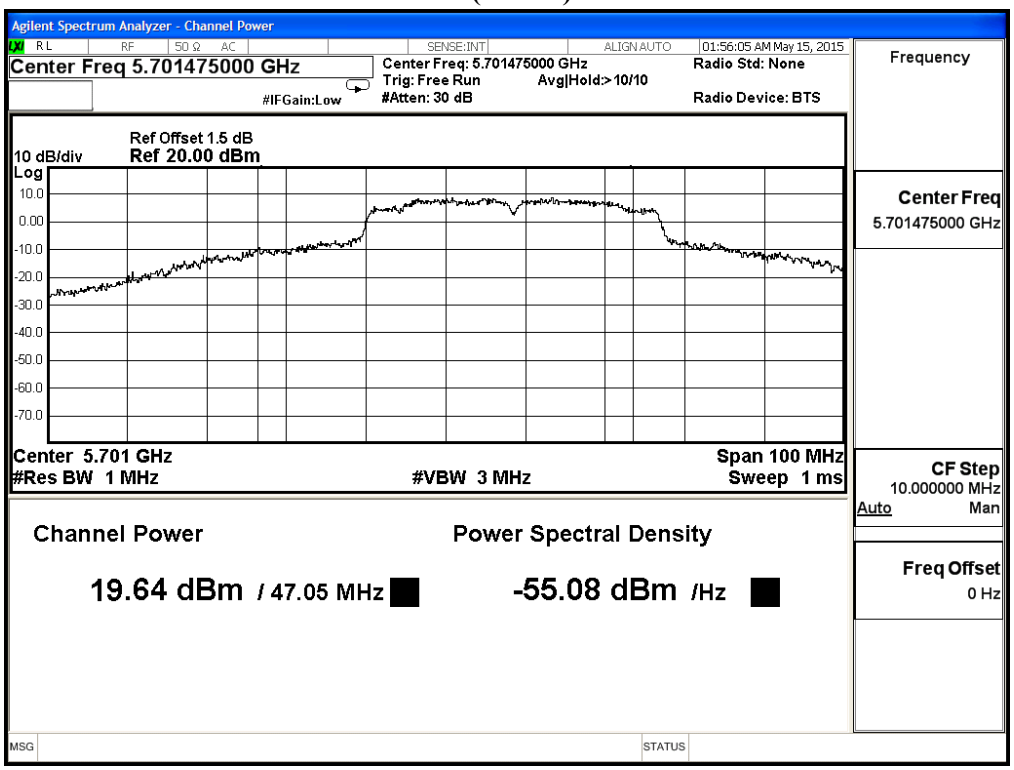
99% Occupied Bandwidth:

Channel 142 – Chain B

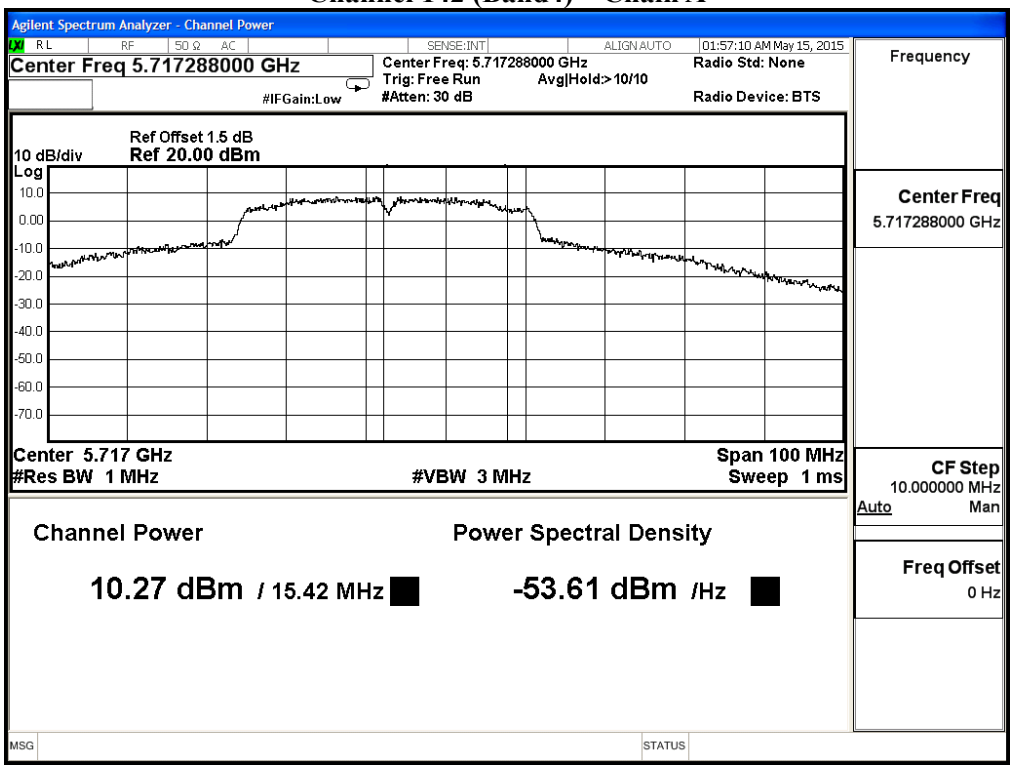


Maximum conducted output power:

Channel 142 (Band3) – Chain A

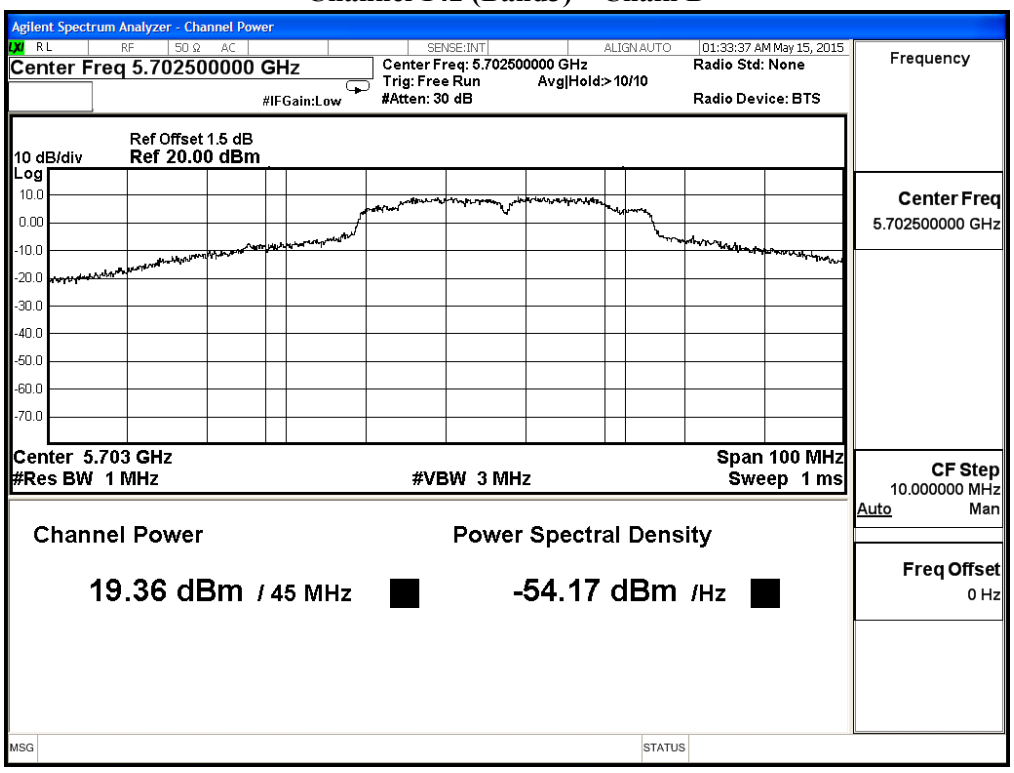


Channel 142 (Band4) – Chain A

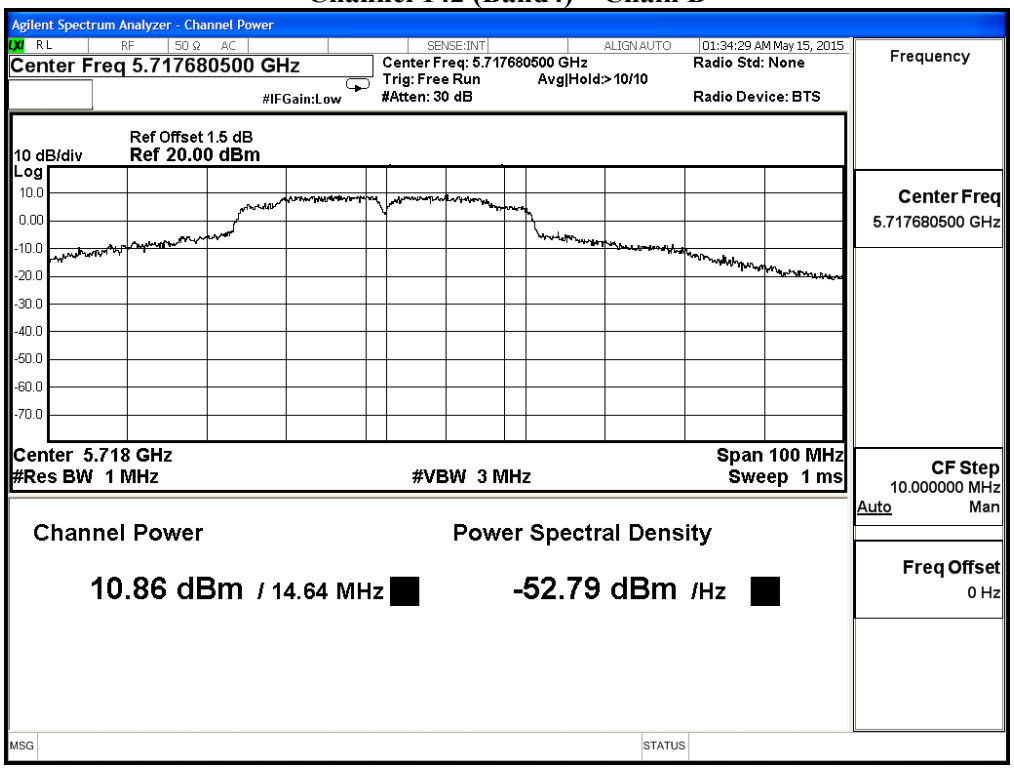


Maximum conducted output power:

Channel 142 (Band3) – Chain B



Channel 142 (Band4) – Chain B



Product : Intel® Dual Band Wireless-AC 8260
Test Item : Maximum conducted output power
Test Site : No.3 OATS
Test Mode : Mode 4 Beamforming: Transmit (802.11ac-80BW-65Mbps)

Chain A

Cable loss=1dB		Maximum conducted output power										
Channel No	Frequency (MHz)	Data Rate (Mbps)										Required Limit
		VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8	VTH9	
42	5210	16.74	16.42	16.1	15.78	15.46	15.14	14.82	14.5	14.18	13.86	<30dBm
58	5290	15.94	15.87	15.8	15.73	15.66	15.59	15.52	15.45	15.38	15.31	<24dBm
106	5530	14.99	14.85	14.71	14.57	14.43	14.29	14.15	14.01	13.87	13.73	<24dBm
122	5610	18.48	18.37	18.26	18.15	18.04	17.93	17.82	17.71	17.6	17.49	<24dBm
138(Band3)	5690	19.37	19.11	18.85	18.59	18.33	18.07	17.81	17.55	17.29	17.03	<24dBm
138(Band4)	5690	10.36	10.25	10.14	10.03	9.92	9.81	9.7	9.59	9.48	9.37	<30dBm

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Chain B

Cable loss=1dB		Maximum conducted output power										
Channel No	Frequency (MHz)	Data Rate (Mbps)										Required Limit
		VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8	VTH9	
42	5210	16.39	16.27	16.15	16.03	15.91	15.79	15.67	15.55	15.43	15.31	<30dBm
58	5290	16.39	16.27	16.18	16.09	16	15.91	15.82	15.73	15.64	15.55	<24dBm
106	5530	15.51	15.42	15.33	15.24	15.15	15.06	14.97	14.88	14.79	14.7	<24dBm
122	5610	19.86	19.79	19.72	19.65	19.58	19.51	19.44	19.37	19.3	19.23	<24dBm
138(Band3)	5690	19.57	19.47	19.37	19.27	19.17	19.07	18.97	18.87	18.77	18.67	<24dBm
138(Band4)	5690	14.44	14.37	14.3	14.23	14.16	14.09	14.02	13.95	13.88	13.81	<30dBm

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Maximum conducted output power Measurement

(CHAIN A+ B)

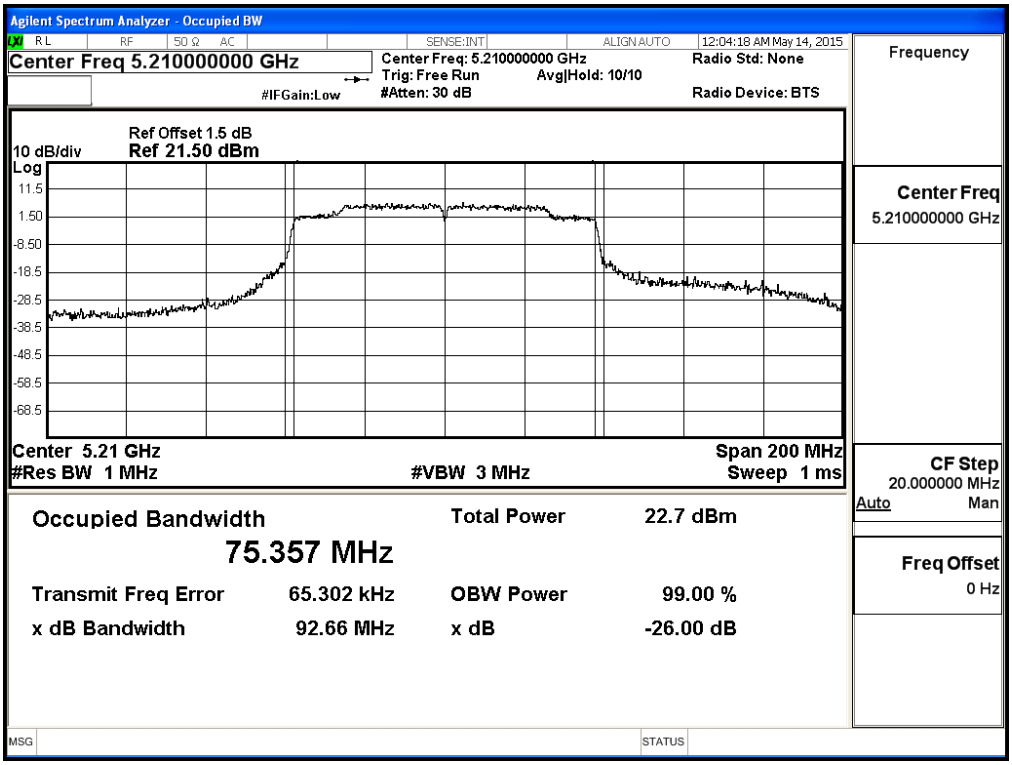
Channel Number	Frequency (MHz)	99% Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Duty Factor (dB)	Total Output Power (dBm)	Output Power Limit	
							(dBm)	dBm+10log(BW)
42	5210	75.360	16.74	16.39	0.283	19.862	24	29.77
58	5290	75.270	15.94	16.39	0.283	19.464	24	29.77
106	5530	75.140	14.99	15.51	0.283	18.551	24	29.76
122	5610	82.918	18.48	19.86	0.283	22.518	24	30.19
138(Band3)	5690	82.650	19.37	19.57	0.283	22.764	24	30.17
138(Band4)	5690	9.358	10.36	14.44	0.283	16.156	30	26.71

Note:

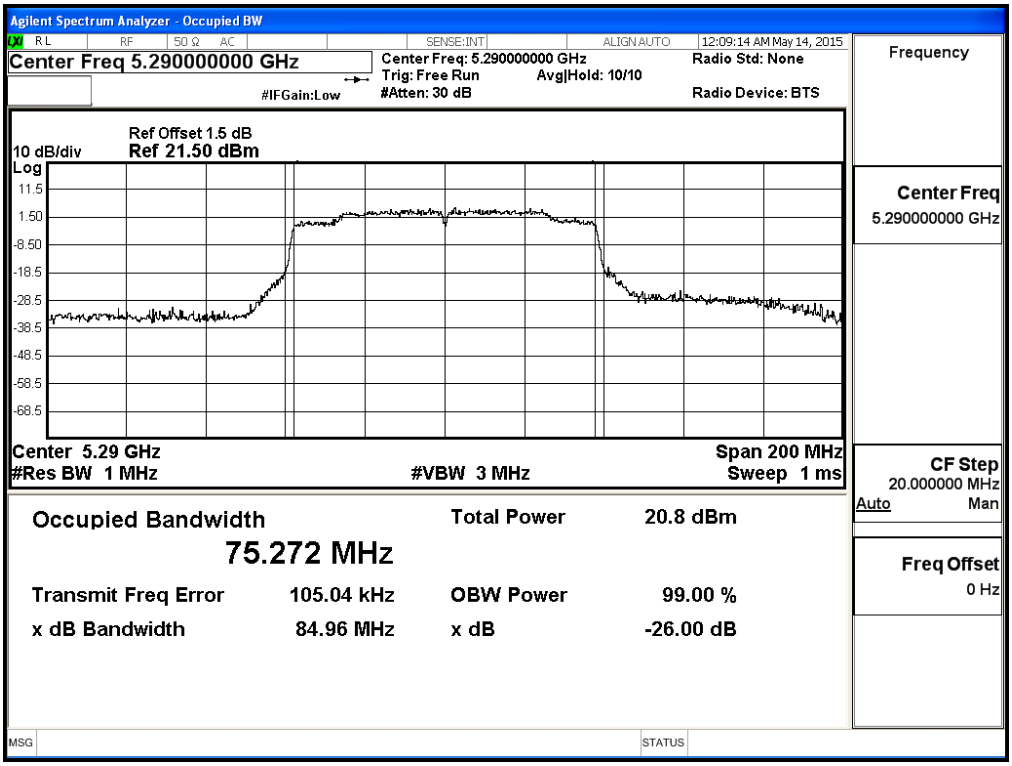
1. Total Output Power (dBm) = 10LOG (Chain A Power (mW) + Chain B Power (mW)) + Duty Factor.
2. 26 dB Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.

99% Occupied Bandwidth:

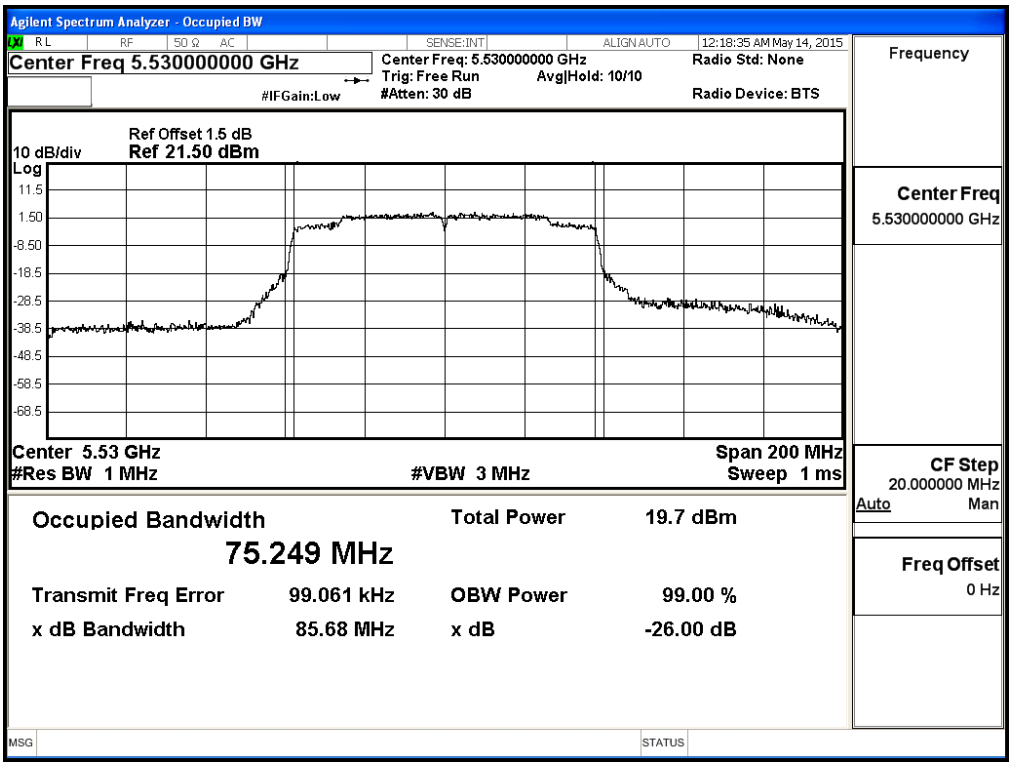
Channel 42 – Chain A



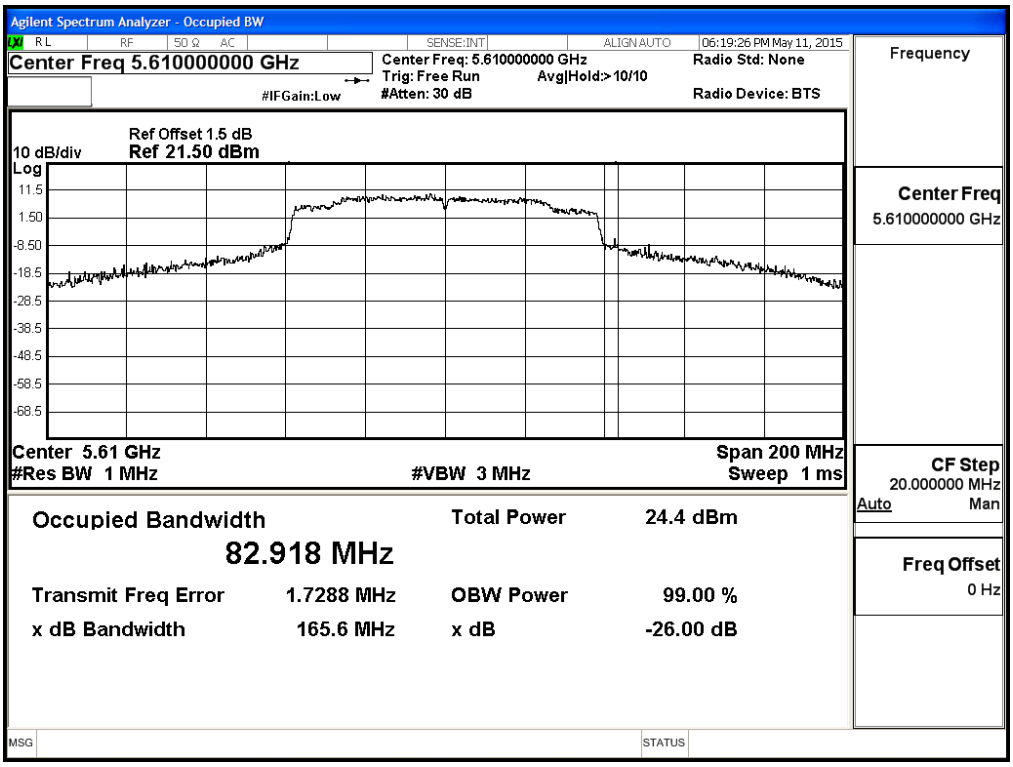
Channel 58 – Chain A



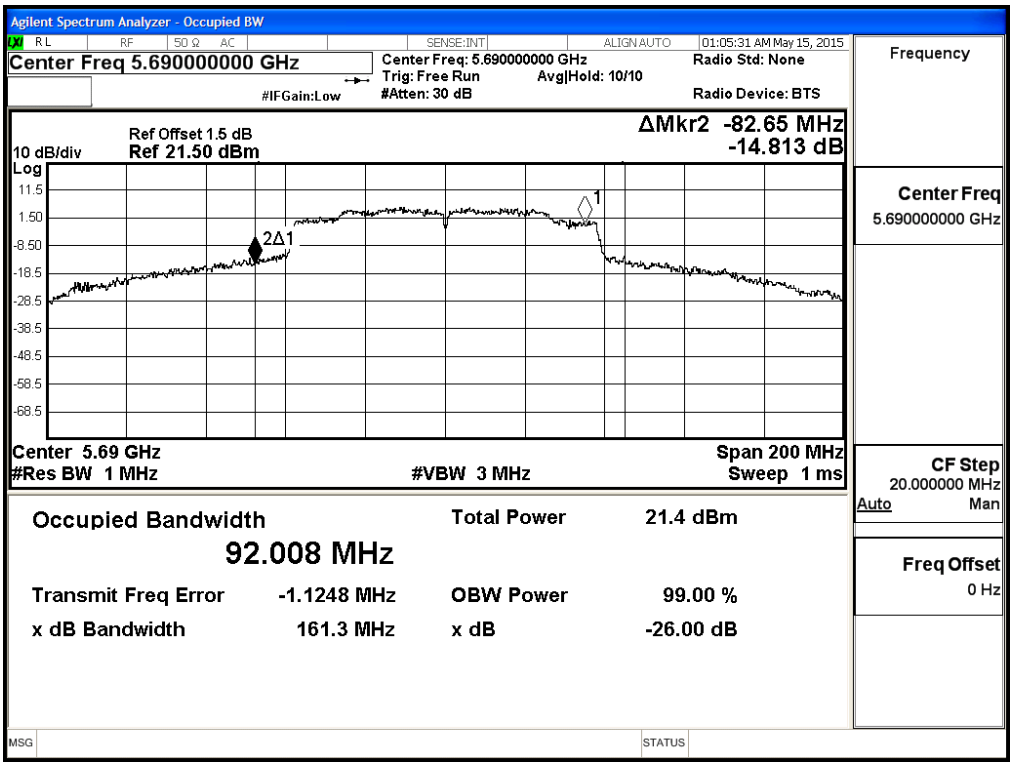
Channel 106 – Chain A



Channel 122 – Chain A

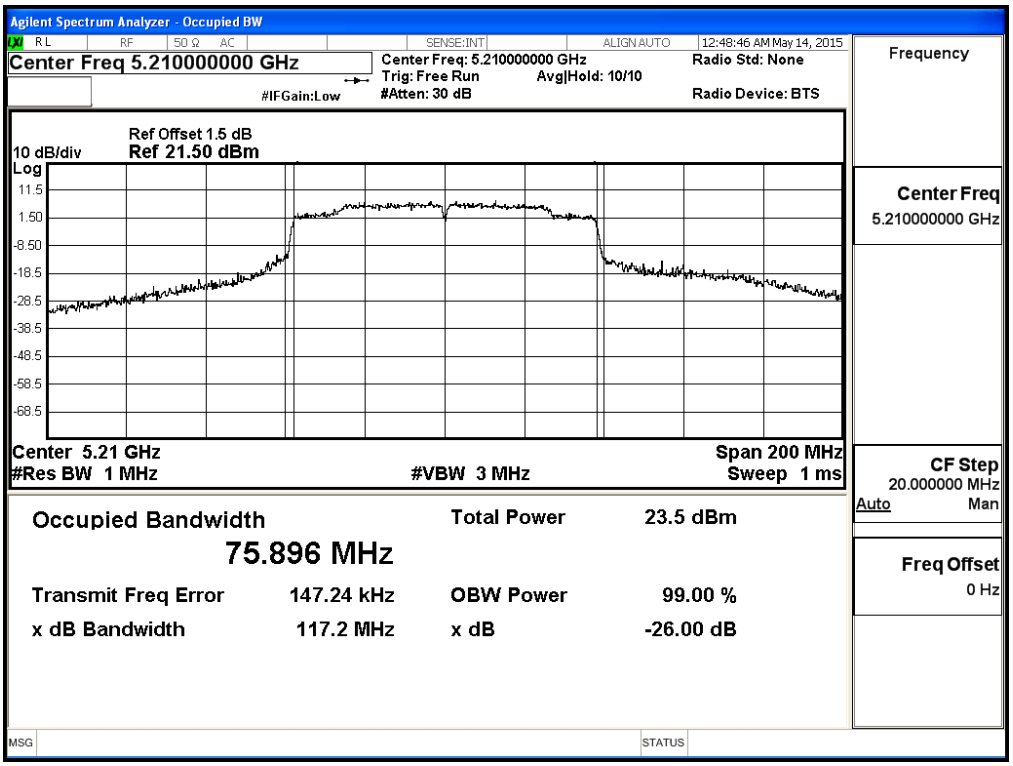


Channel 138 – Chain A

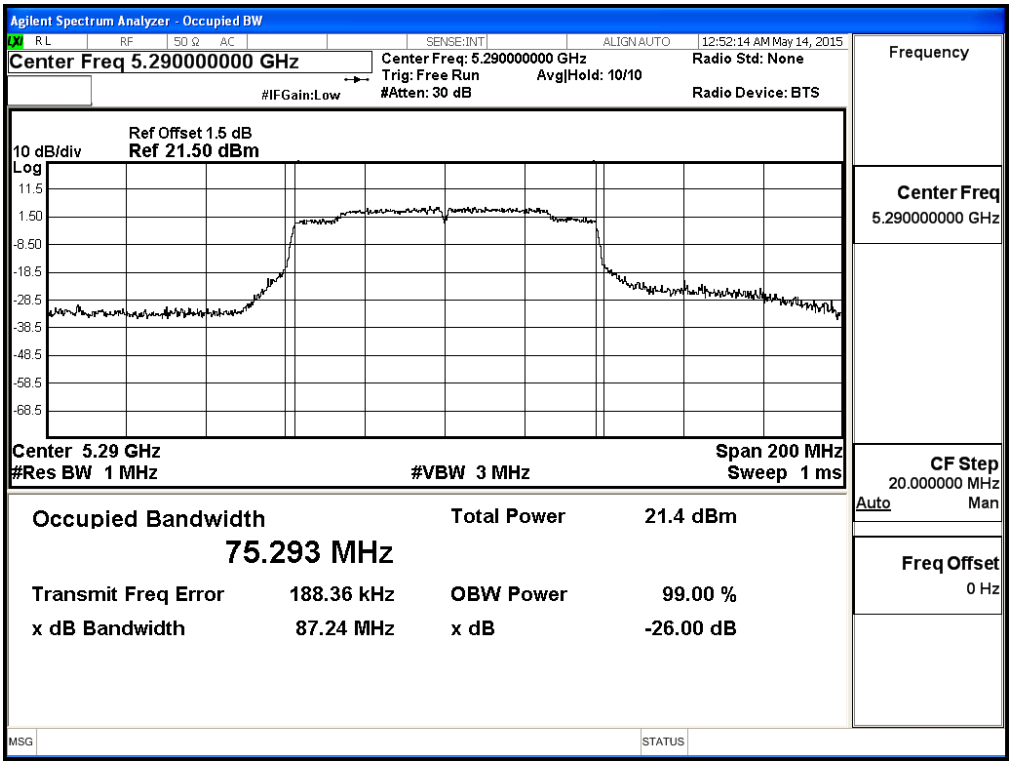


99% Occupied Bandwidth:

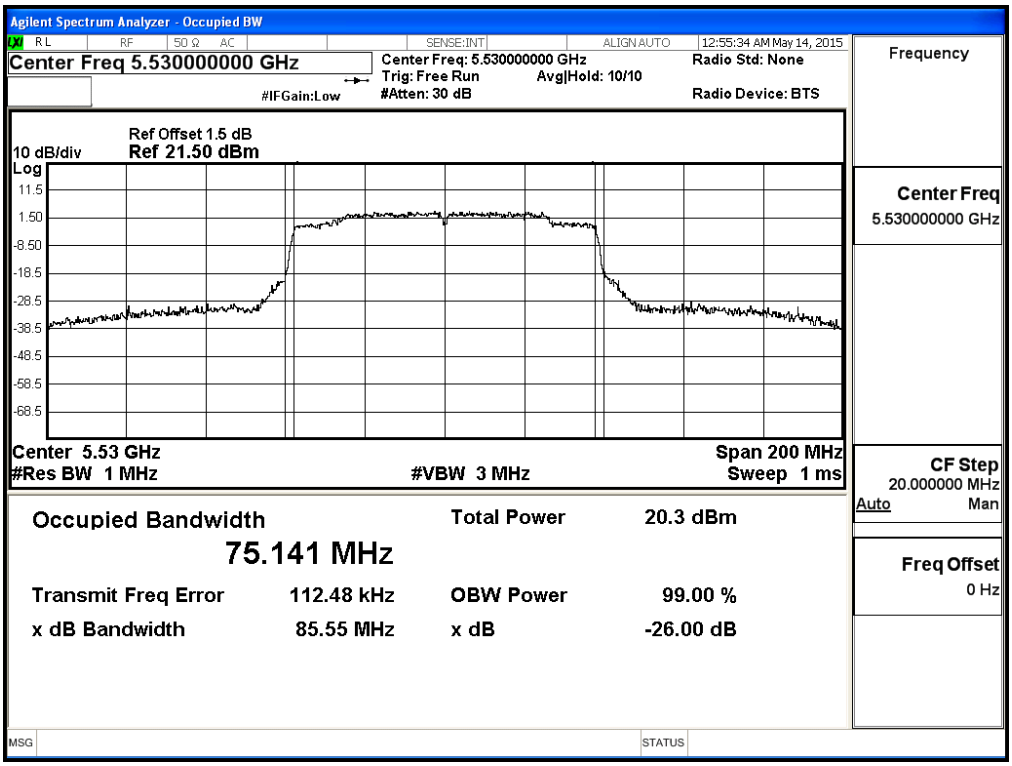
Channel 42 – Chain B



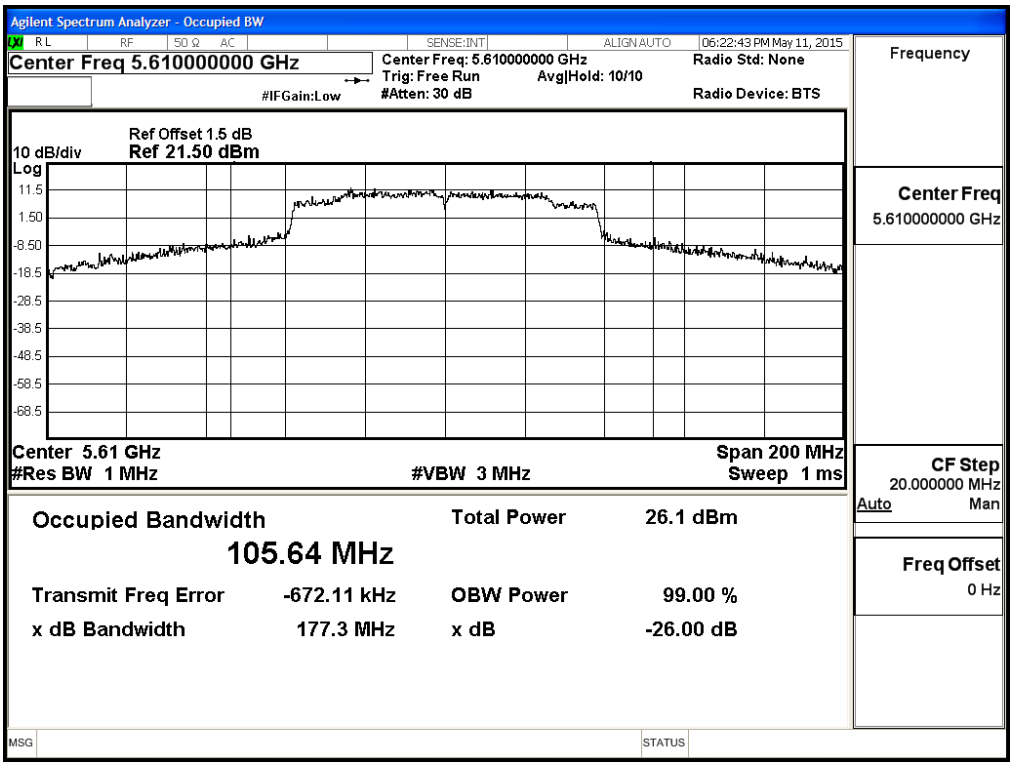
Channel 58 – Chain B



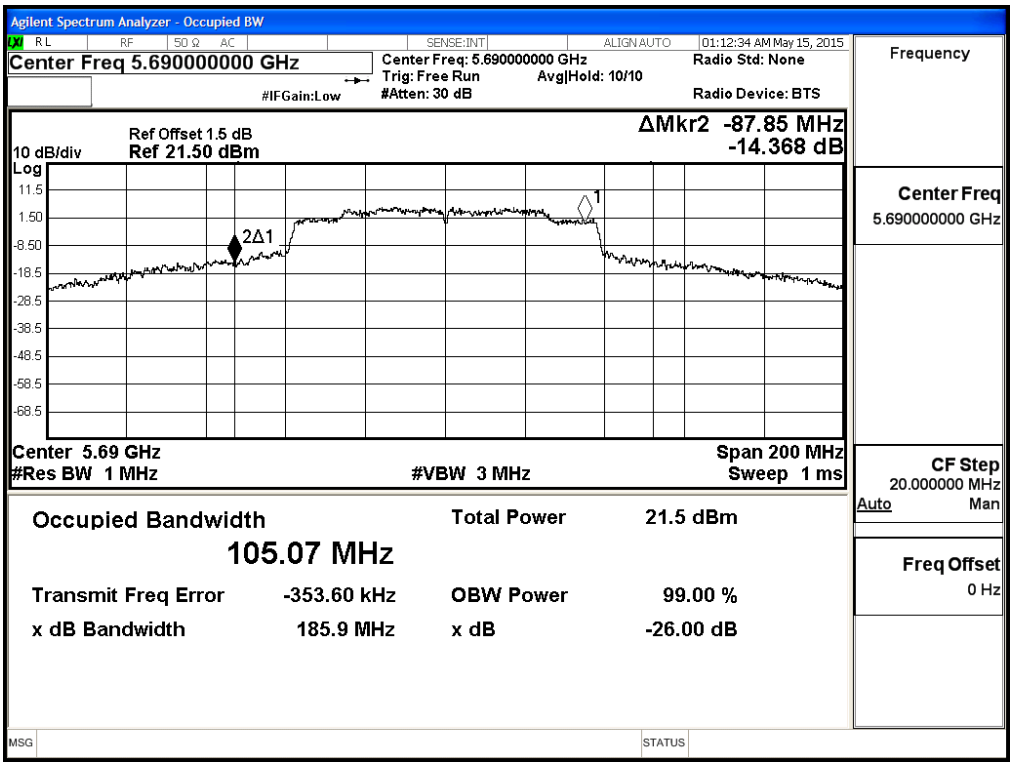
Channel 106 – Chain B



Channel 122 – Chain B

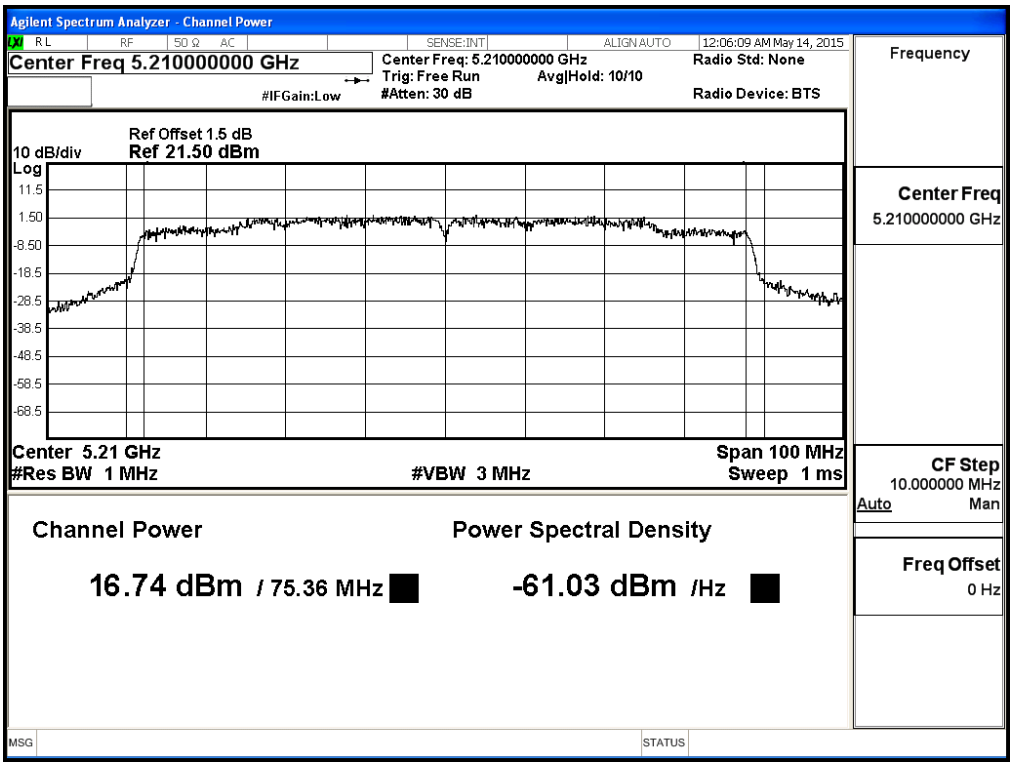


Channel 138 – Chain B



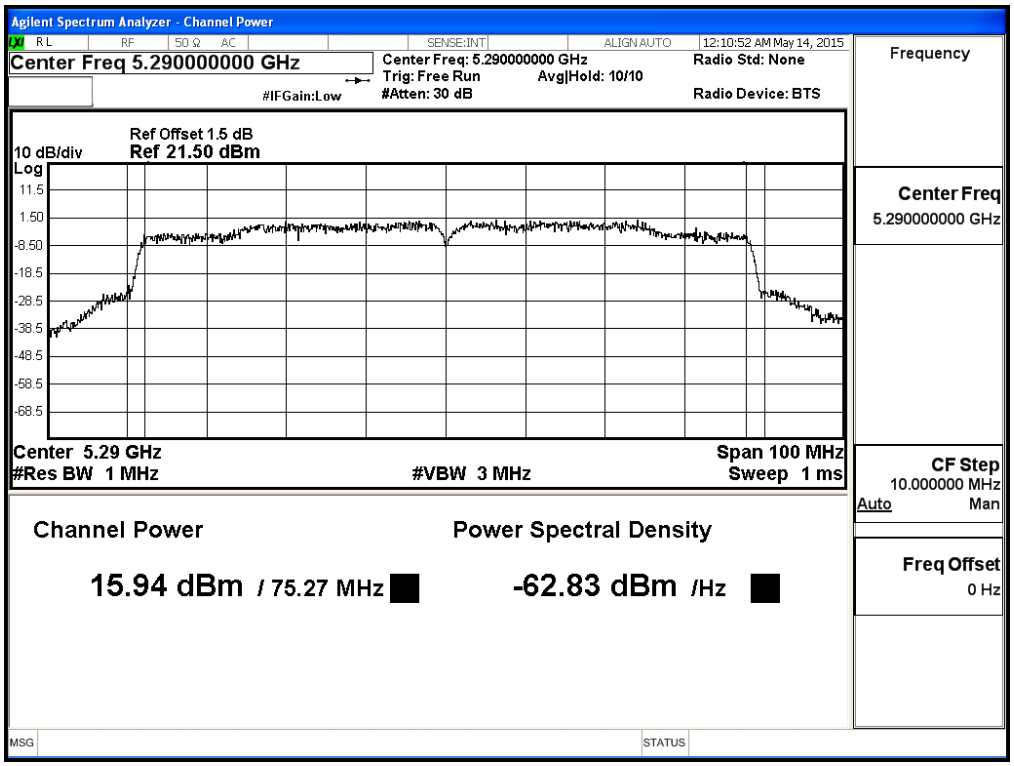
Maximum conducted output power:

Channel 42 – Chain A



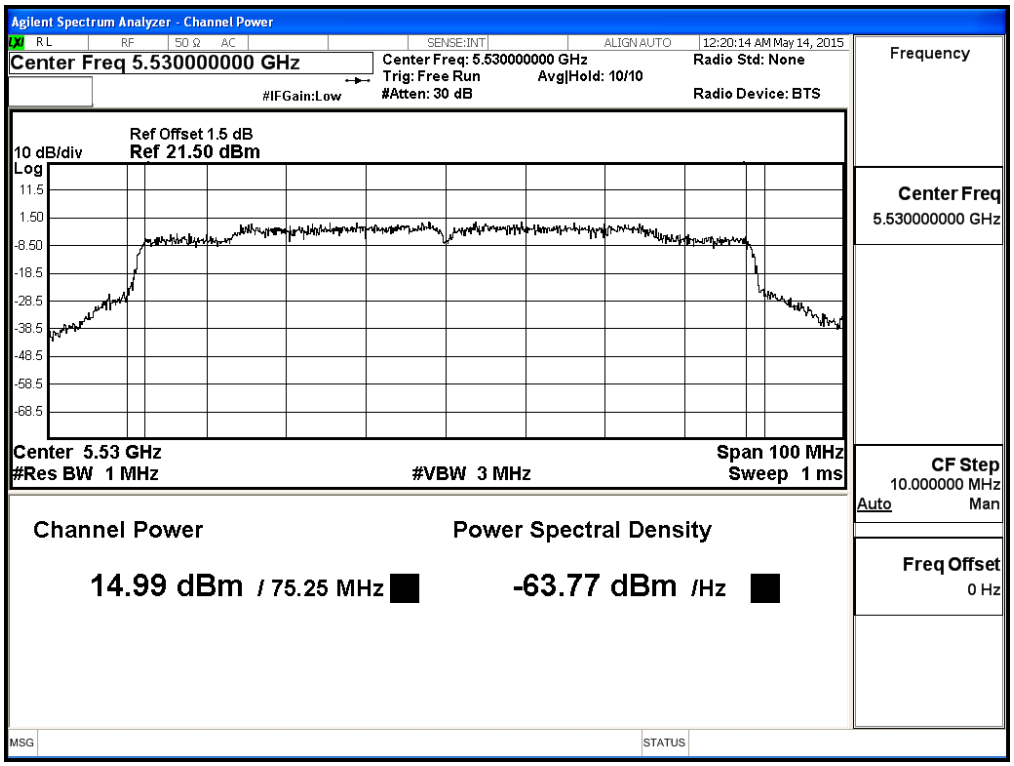
Maximum conducted output power:

Channel 58 – Chain A



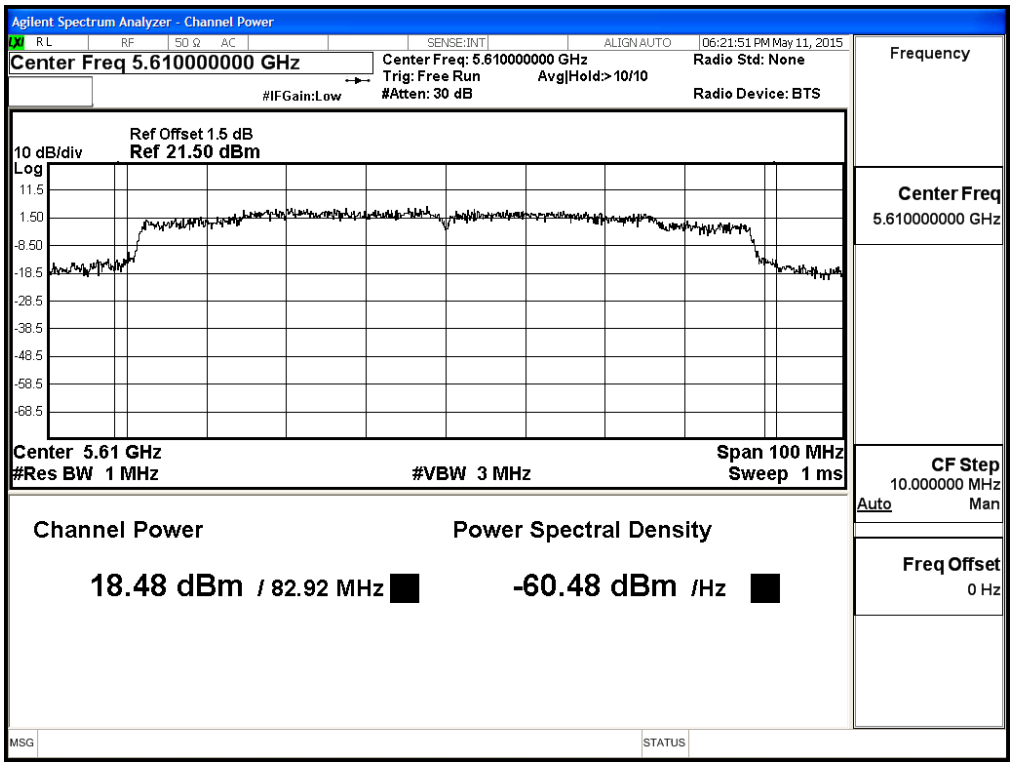
Maximum conducted output power:

Channel 106 – Chain A



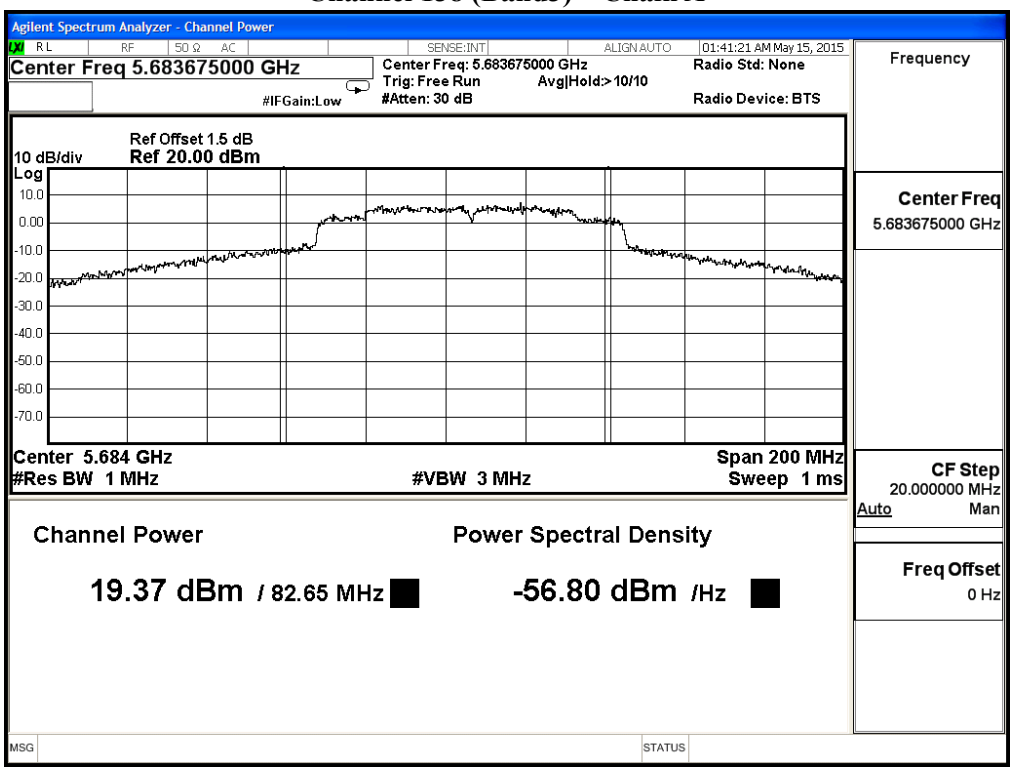
Maximum conducted output power:

Channel 122 – Chain A



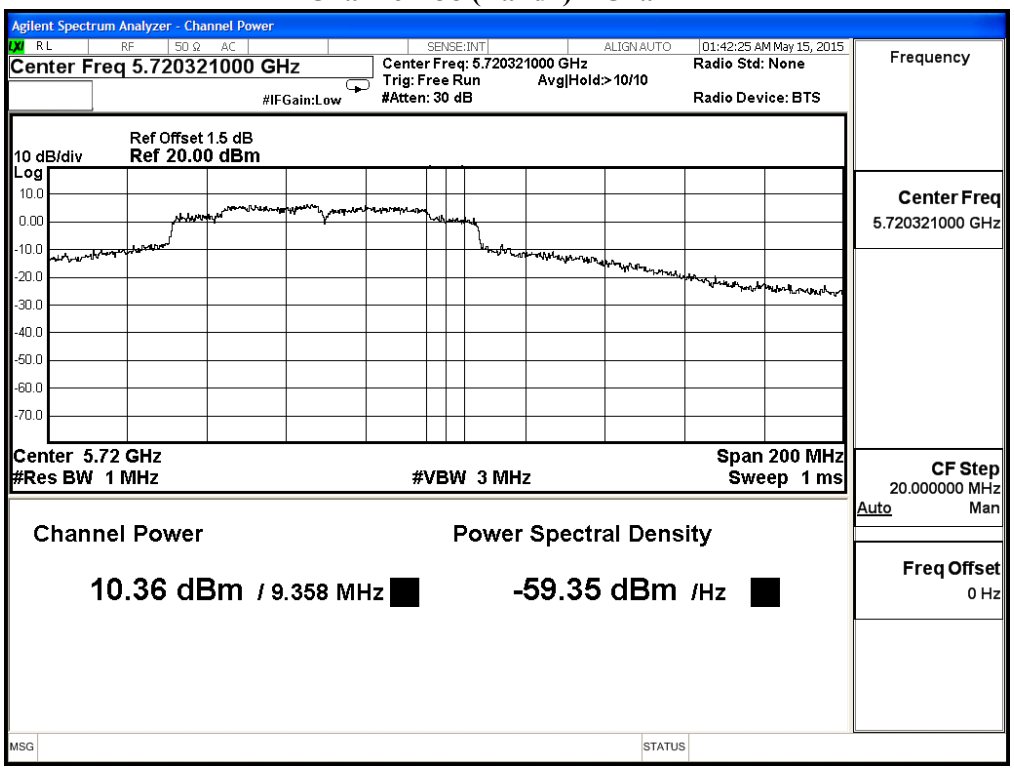
Maximum conducted output power:

Channel 138 (Band3) – Chain A



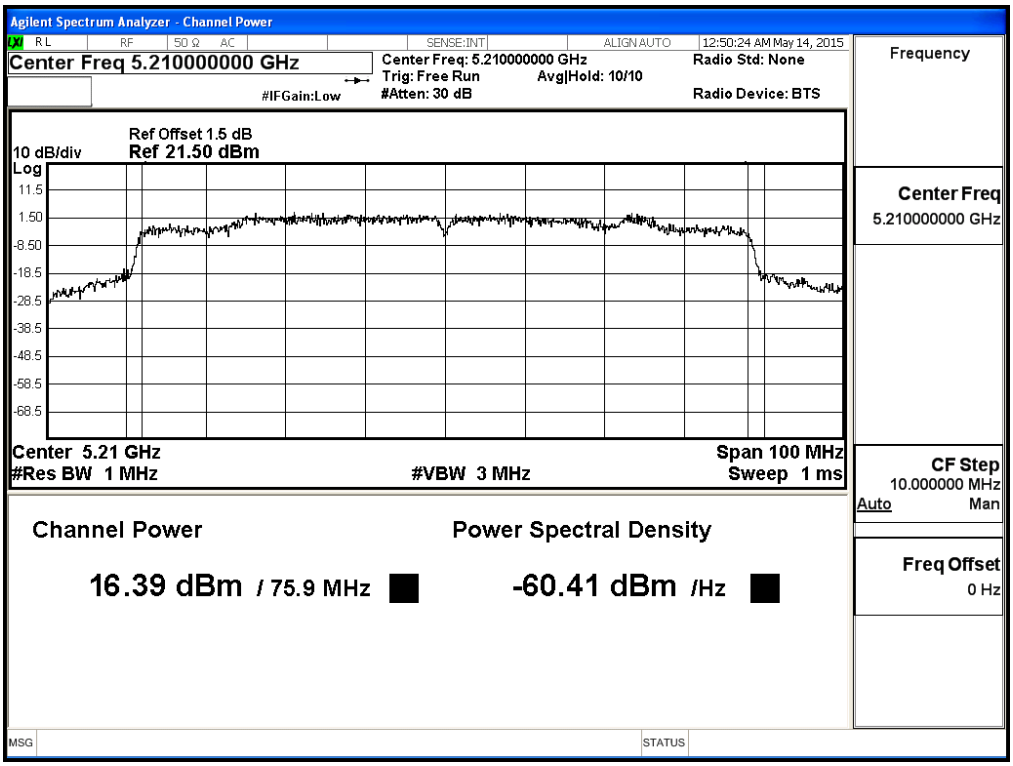
Maximum conducted output power:

Channel 138 (Band4) – Chain A



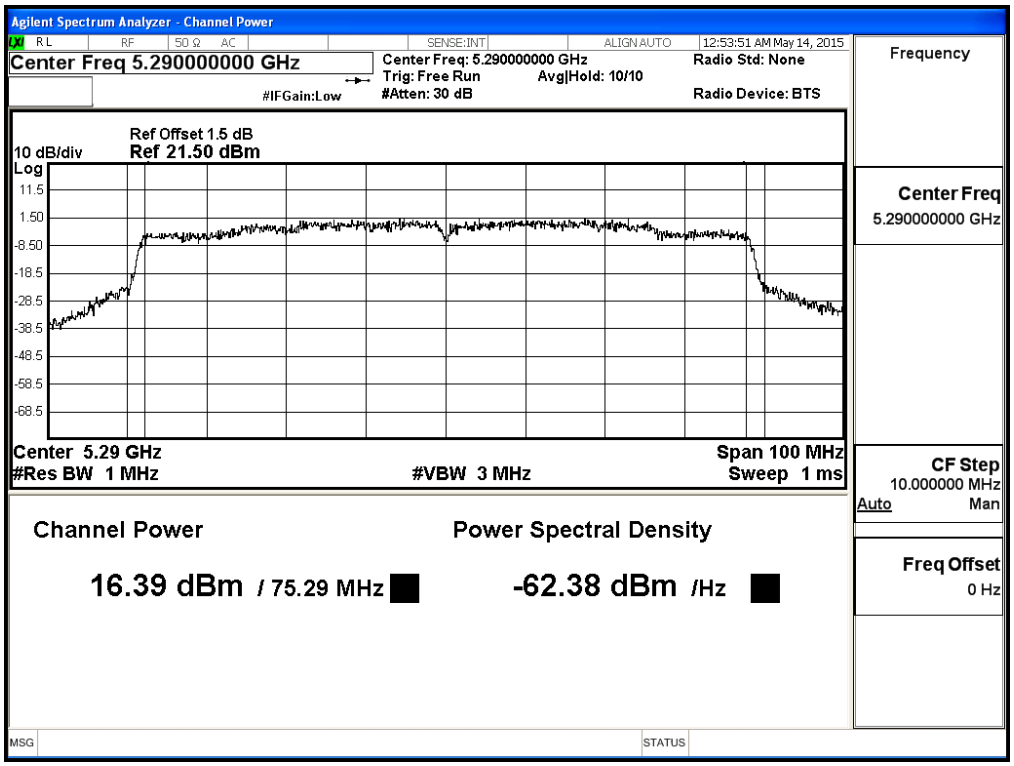
Maximum conducted output power:

Channel 42 – Chain B



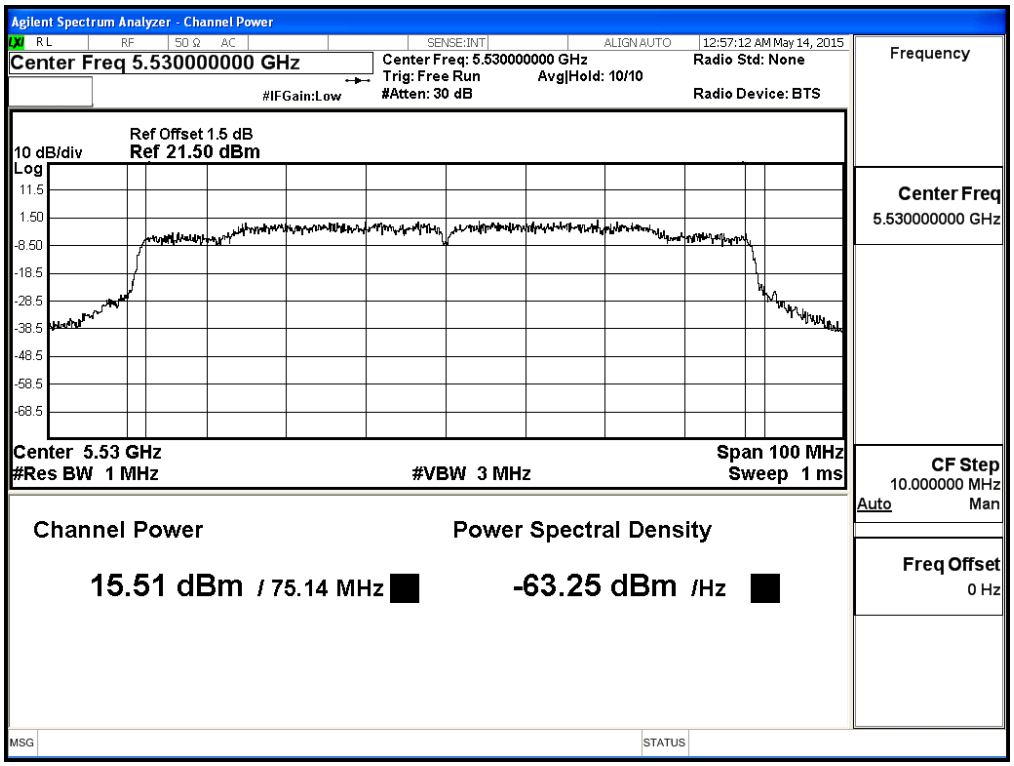
Maximum conducted output power:

Channel 58 – Chain B



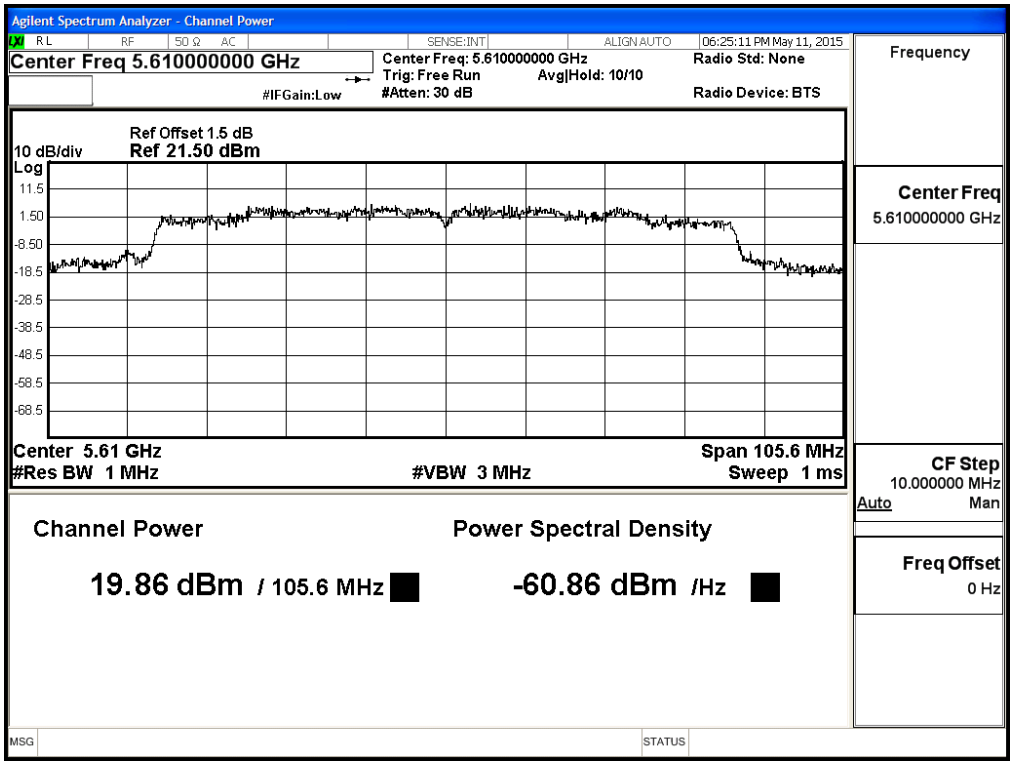
Maximum conducted output power:

Channel 106 – Chain B



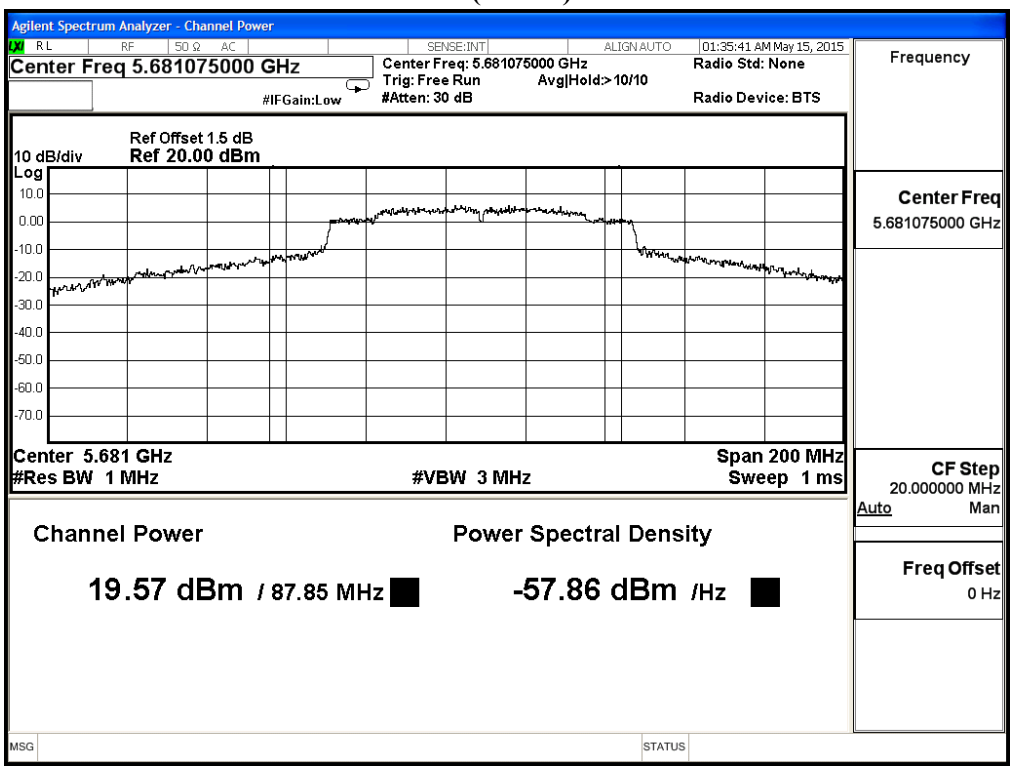
Maximum conducted output power:

Channel 122 – Chain B



Maximum conducted output power:

Channel 138 (Band3) – Chain B



Maximum conducted output power:

Channel 138 (Band4) – Chain B