

Product : Nexus Player
 Test Item : Maximum conducted output power
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps)

CHAIN A

Cable loss=1dB		Maximum conducted output power								
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Required Limit
		30	60	90	120	180	240	270	300	
		Measurement Level (dBm)								
38	5190	11.47	--	--	--	--	--	--	--	<24dBm
46	5230	11.45	11.23	11.09	10.90	10.72	10.54	10.36	10.18	<24dBm
54	5270	12.09	--	--	--	--	--	--	--	<24dBm
62	5310	12.03	11.91	11.75	11.62	11.48	11.34	11.20	11.06	<24dBm
102	5510	11.94	--	--	--	--	--	--	--	<24dBm
110	5550	11.85	11.71	11.58	11.44	11.31	11.17	11.04	10.90	<24dBm
134	5670	12.21	--	--	--	--	--	--	--	<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
		30	60	90	120	180	240	270	300	
		Measurement Level (dBm)								
38	5190	9.56	--	--	--	--	--	--	--	<24dBm
46	5230	10.21	10.09	9.87	9.72	9.55	9.38	9.21	9.04	<24dBm
54	5270	10.79	--	--	--	--	--	--	--	<24dBm
62	5310	10.76	10.59	10.41	10.24	10.06	9.94	9.88	9.73	<24dBm
102	5510	11.23	--	--	--	--	--	--	--	<24dBm
110	5550	11.23	11.09	10.91	10.76	10.60	10.44	10.28	10.12	<24dBm
134	5670	11.32	--	--	--	--	--	--	--	<24dBm

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

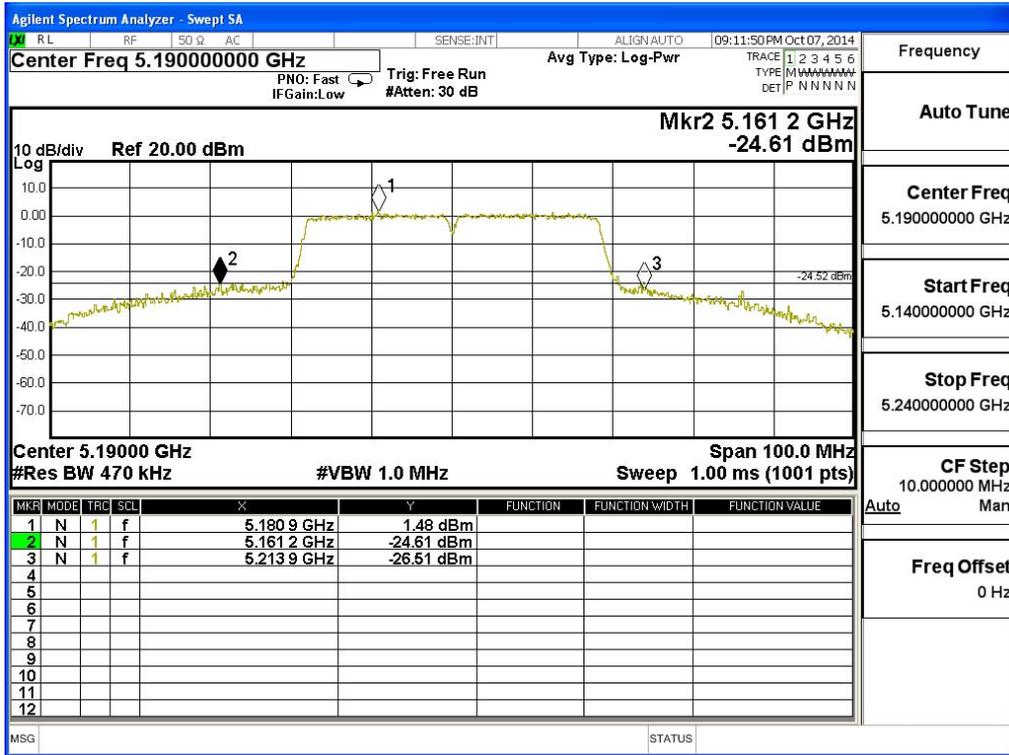
Maximum conducted output power Measurement:
(CHAIN A+ B)

Channel Number	Frequency (MHz)	26dB Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Output Power (dBm)	Output Power Limit	
						(dBm)	dBm+10log(BW)
38	5190	39.500	11.47	9.56	13.63	24	26.97
46	5230	39.500	11.45	10.21	13.88	24	26.97
54	5270	39.800	12.09	10.79	14.50	24	27.00
62	5310	39.700	12.03	10.76	14.45	24	26.99
102	5510	39.800	11.94	11.23	14.61	24	27.00
110	5550	40.000	11.85	11.23	14.56	24	27.02
134	5670	40.100	12.21	11.32	14.80	24	27.03

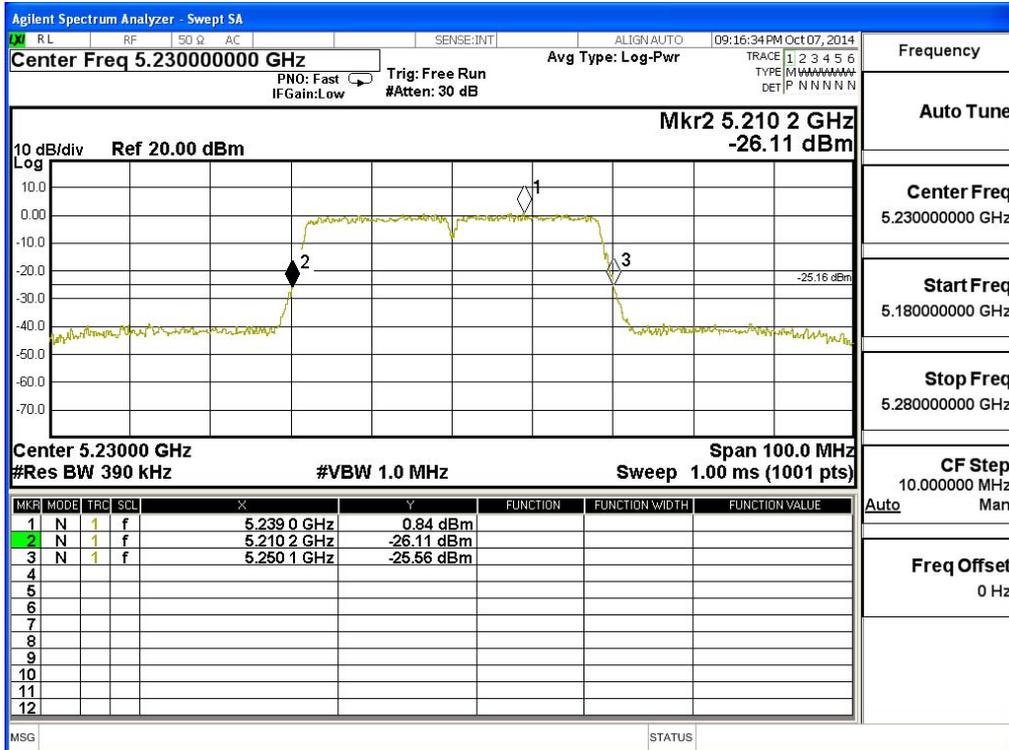
Note:

1. Power Output Value =Reading value on average power meter + cable loss
2. Output Power (dBm) = 10LOG (Chain A Power (mW)+ Chain B Power (mW))
3. 26 dB Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.

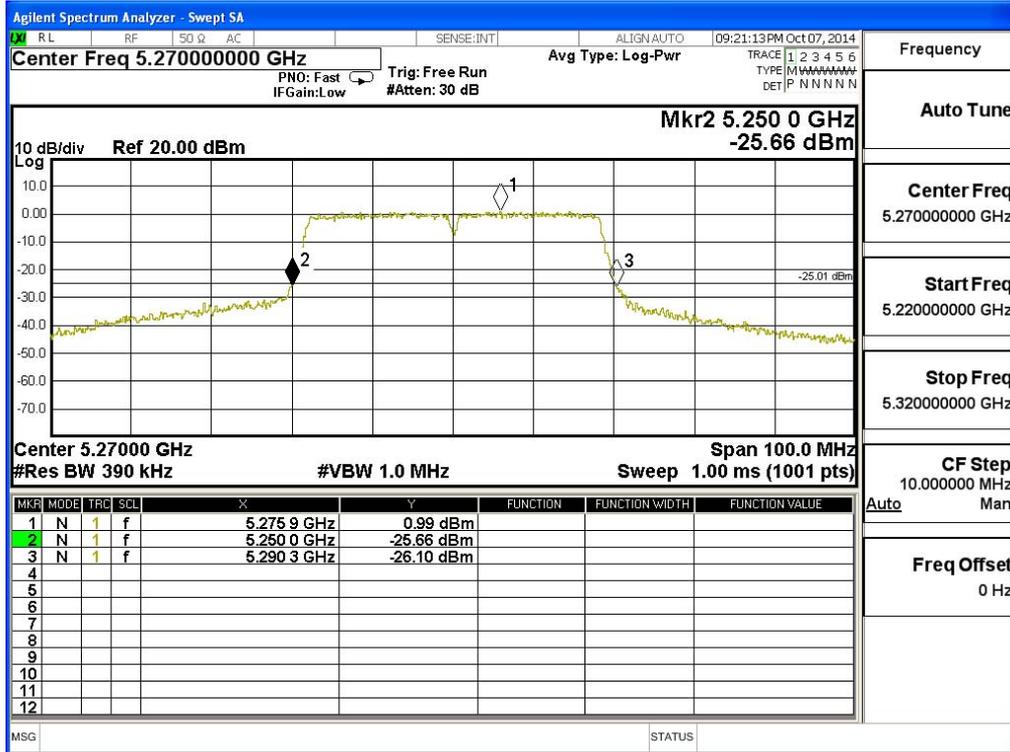
26dBc Occupied Bandwidth: Channel 38 – Chain A



Channel 46 – Chain A



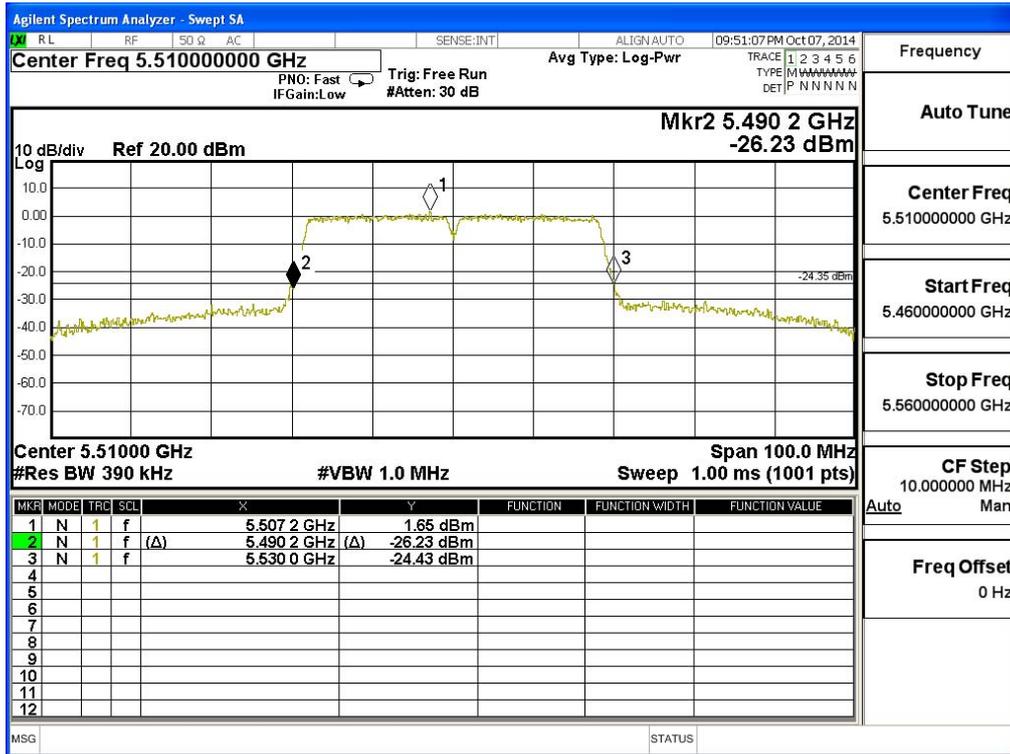
Channel 54 – Chain A



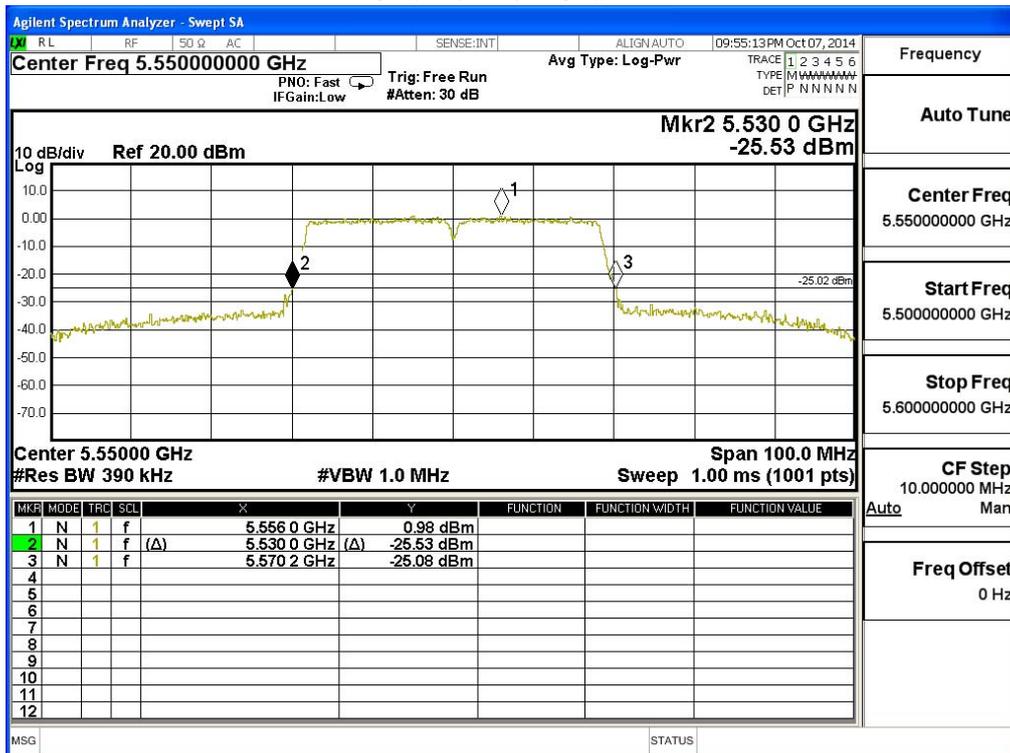
Channel 62 – Chain A



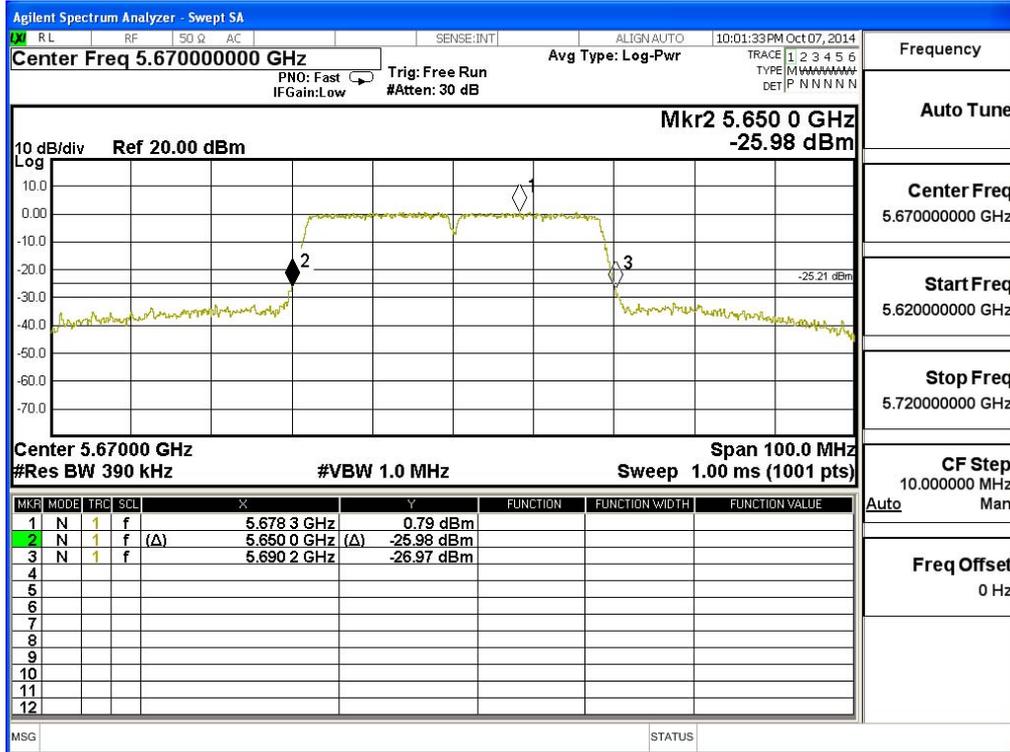
Channel 102 – Chain A



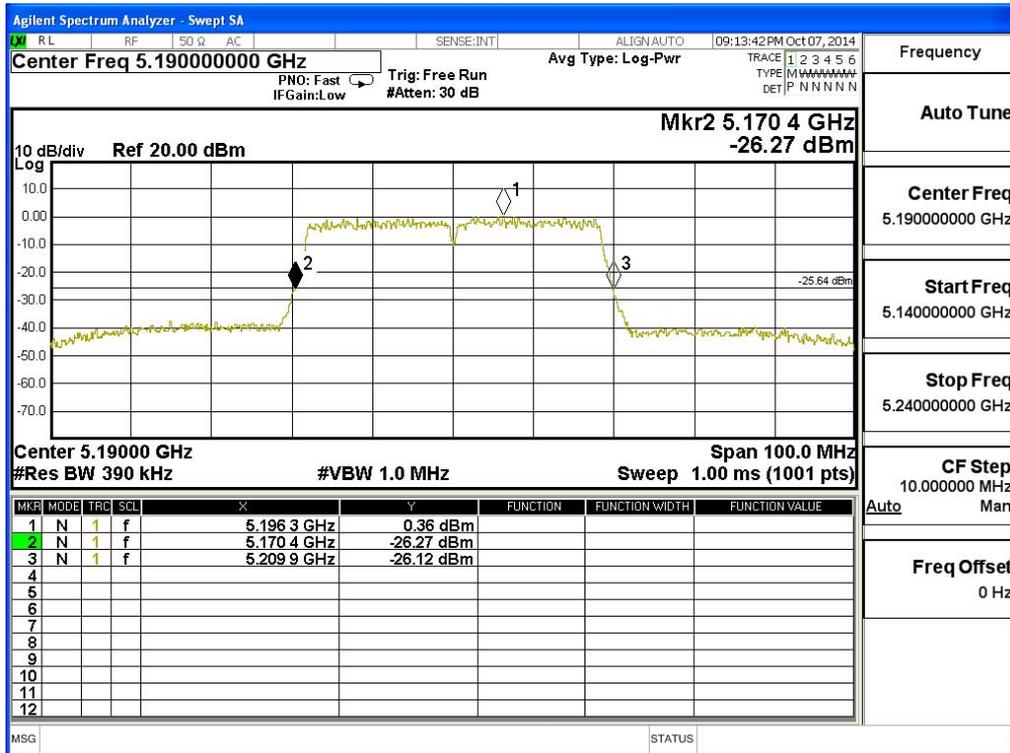
Channel 110 – Chain A



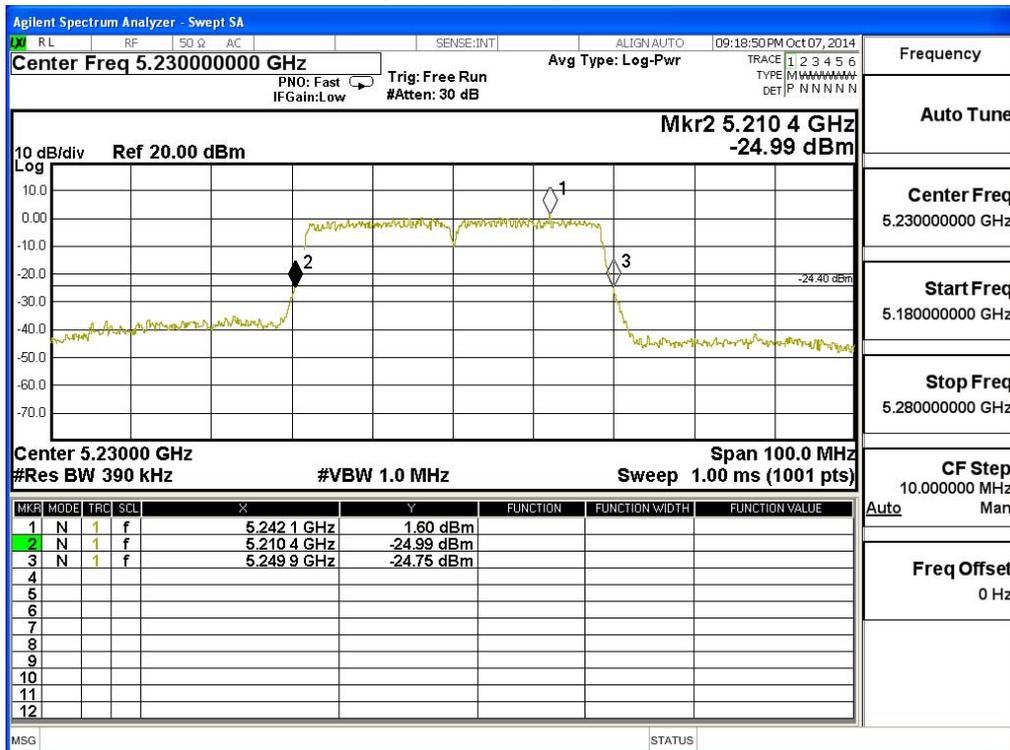
Channel 134 – Chain A



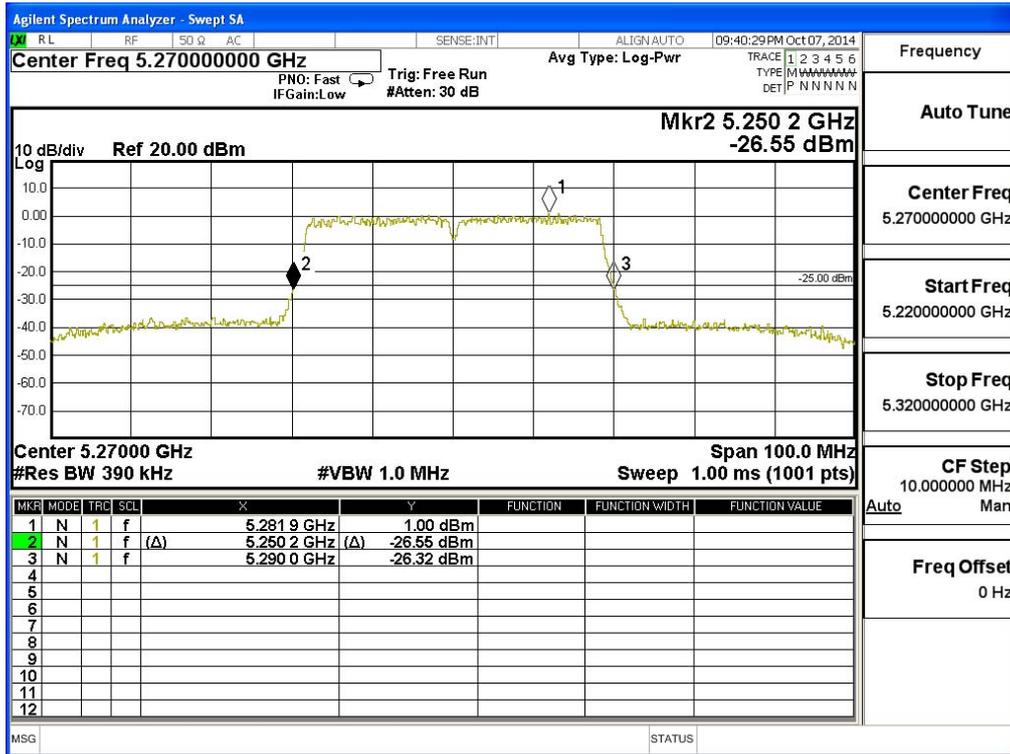
26dBc Occupied Bandwidth: Channel 38 – Chain B



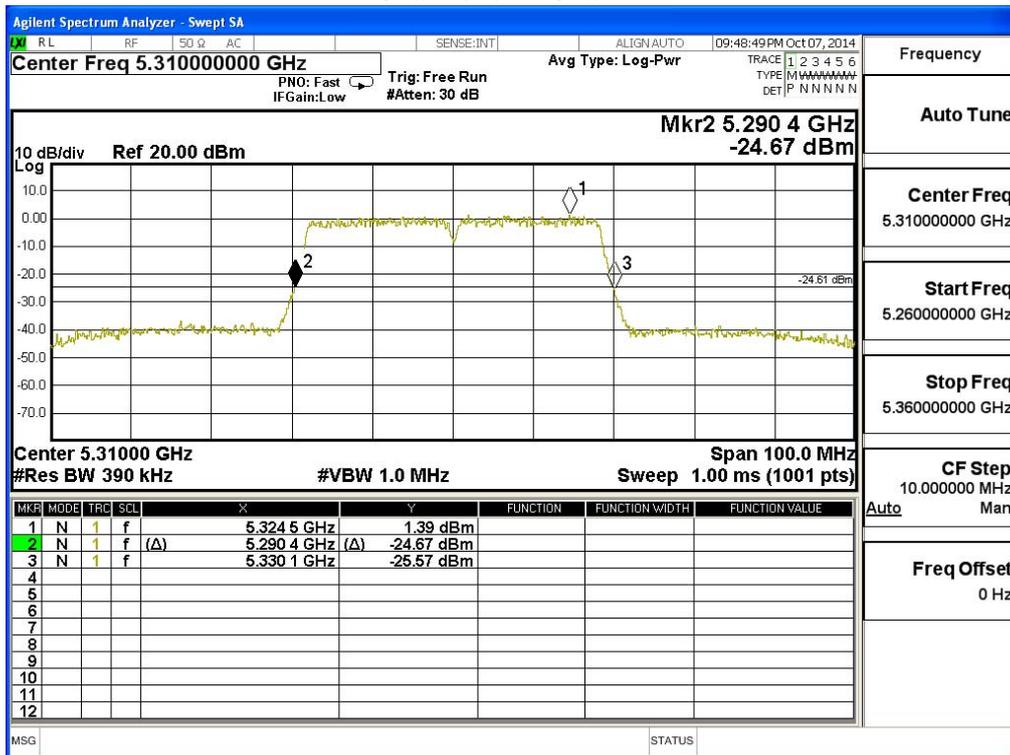
Channel 46 – Chain B



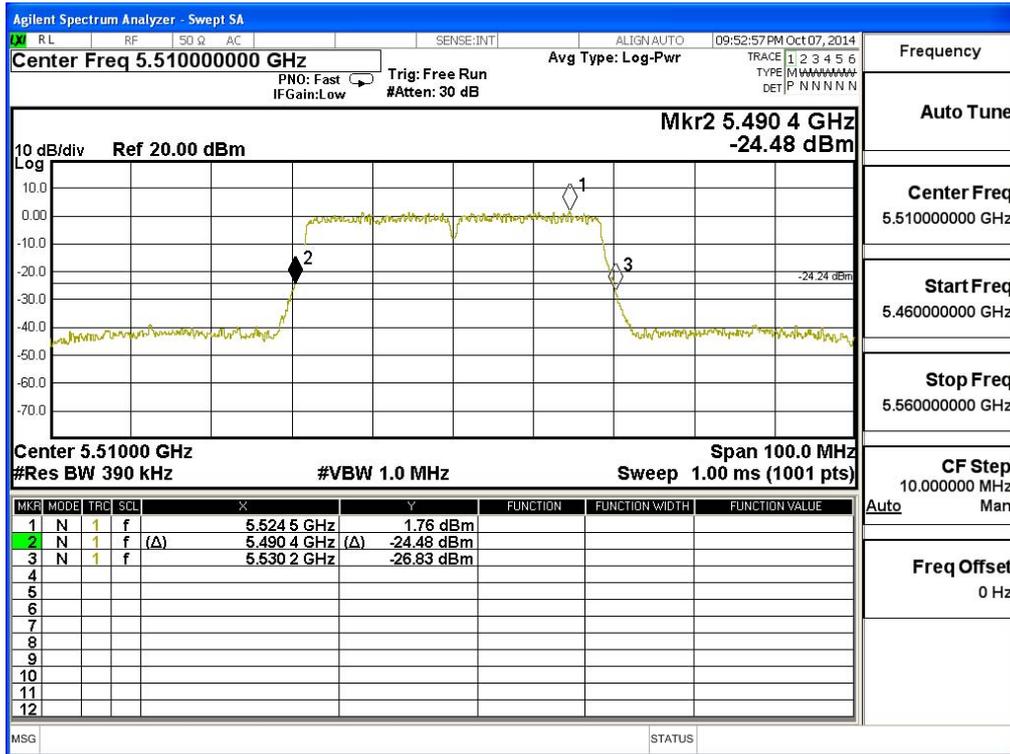
Channel 54 – Chain B



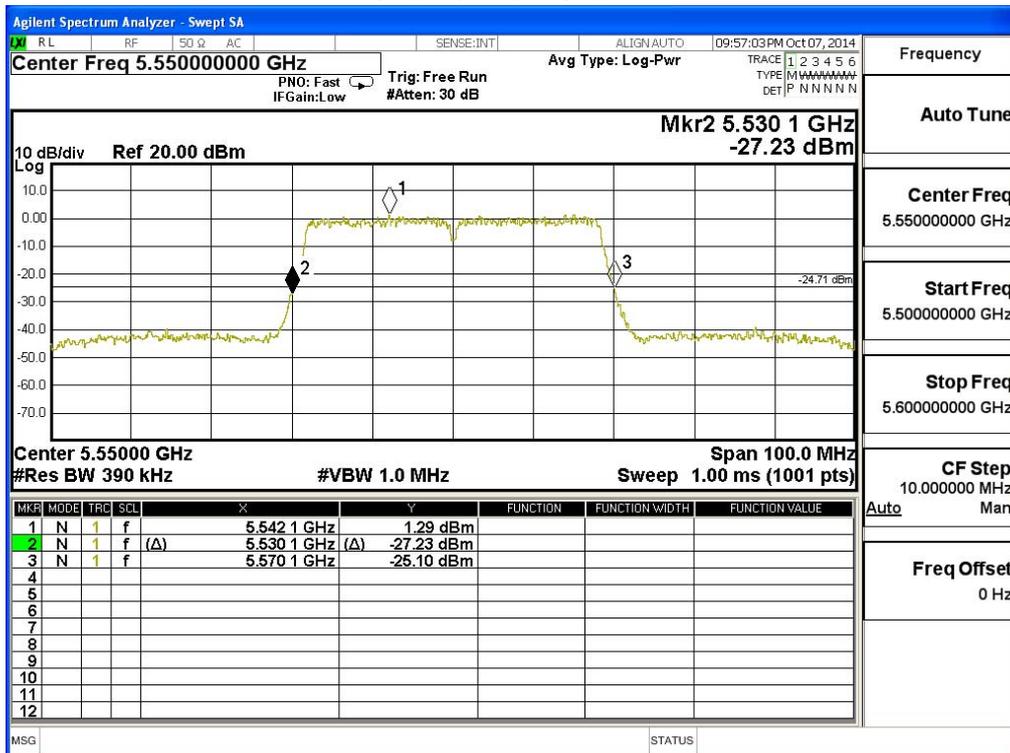
Channel 62 – Chain B



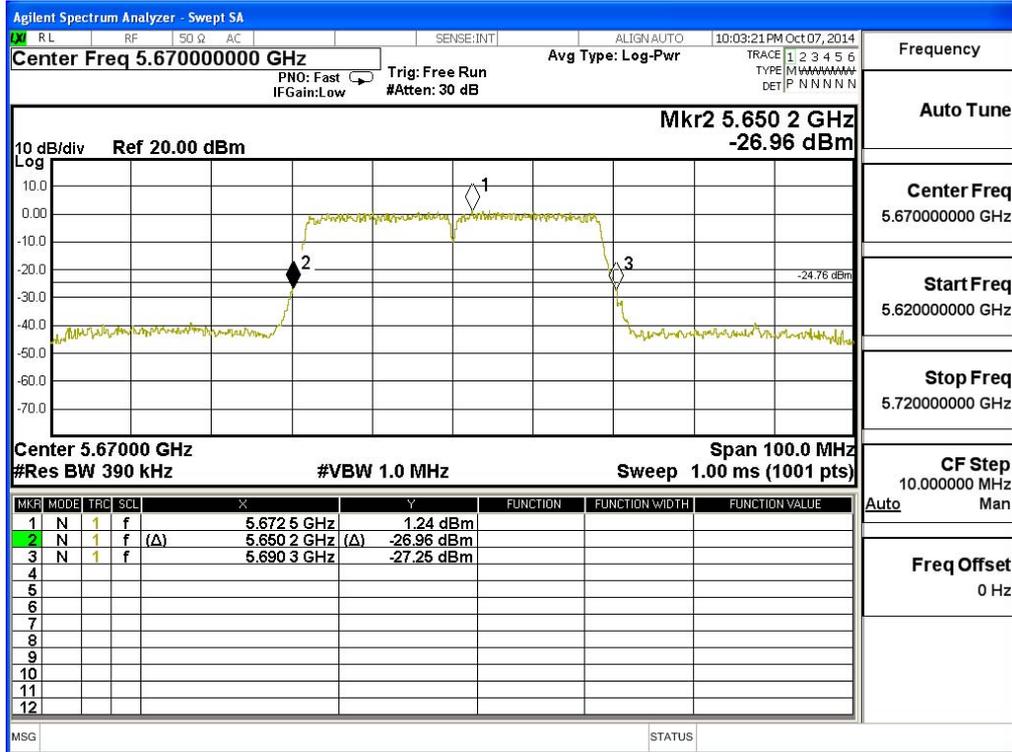
Channel 102 – Chain B



Channel 110 – Chain B



Channel 134 – Chain B



Product : Nexus Player
 Test Item : Maximum conducted output power
 Test Site : No.3 OATS
 Test Mode : Mode 4: 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	9.52	9.33	9.10	8.90	8.69	8.48	8.27	8.06	7.85	<24dBm
144 (Band4)	5720	3.89	3.67	3.44	3.22	2.99	2.77	2.54	2.32	2.09	<30dBm

Note: Maximum conducted output power Value =Reading value on channel power of spectrum analyzer + 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	7.93	7.81	7.69	7.57	7.45	7.33	7.21	7.09	6.97	<24dBm
144 (Band4)	5720	2.68	2.56	2.21	2.01	1.78	1.54	1.31	1.07	0.84	<30dBm

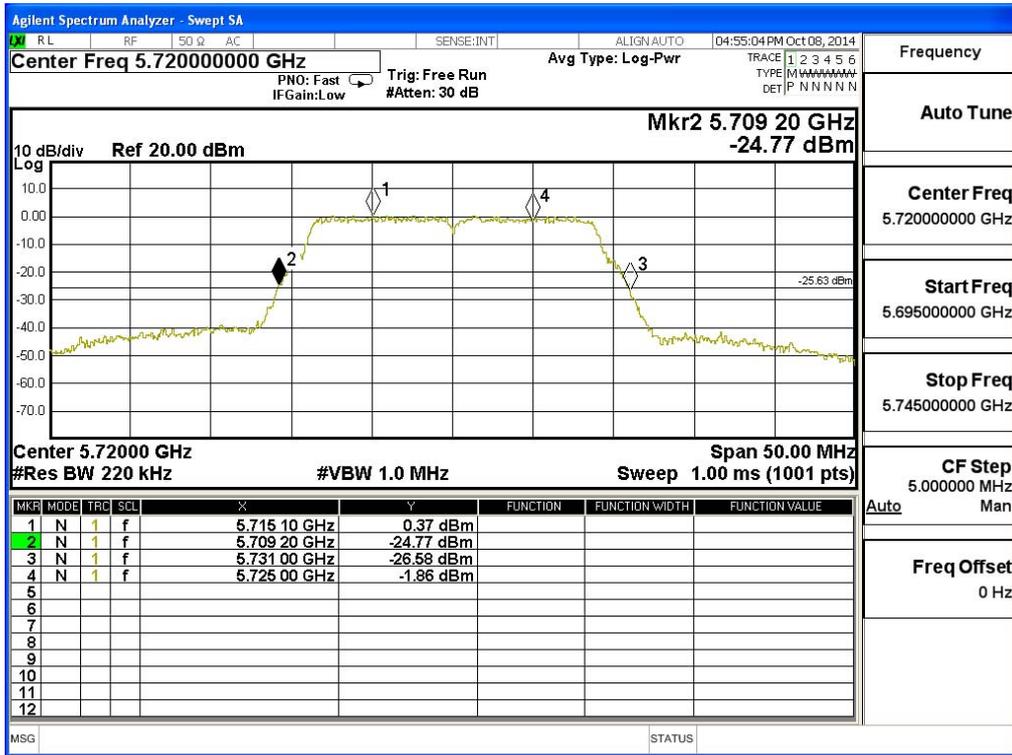
Note: Maximum conducted output power Value =Reading value on channel power of spectrum analyzer + cable loss

Maximum conducted output power Measurement:

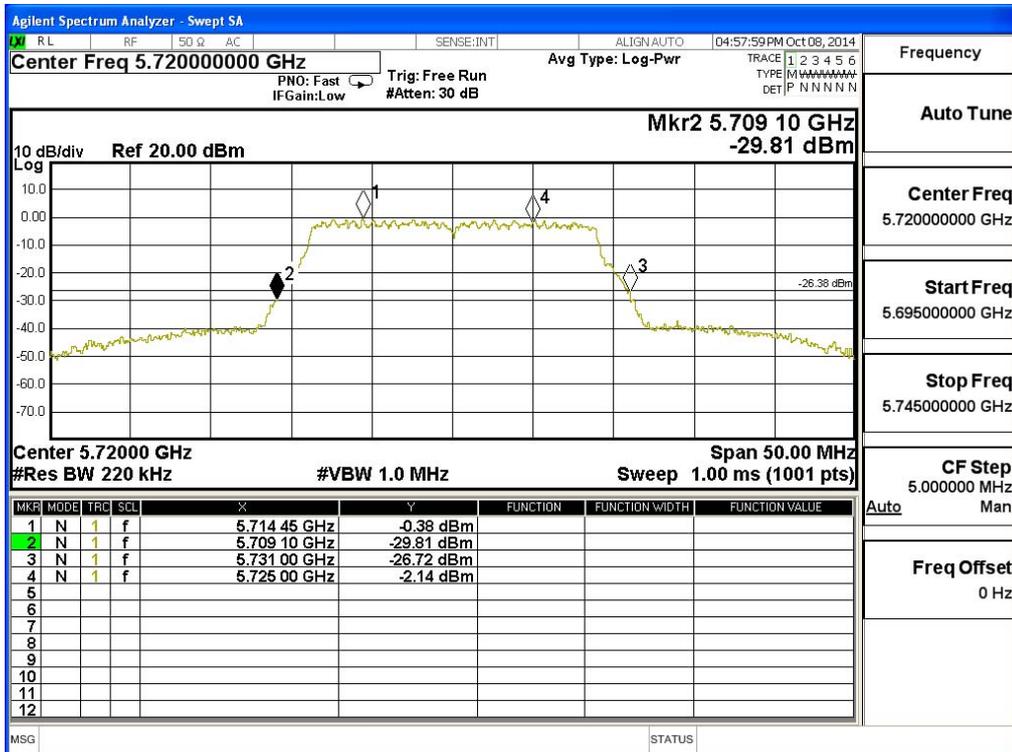
Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Output Power (dBm)	Output Power Limit		Result
						(dBm)	dBm+10log(BW)	
144(Band3)	5720	15.800	9.52	7.93	11.81	24	22.99	Pass
144(Band4)	5720	6.000	3.89	2.68	6.34	30	18.78	Pass

Note: Power Output Value =Reading value on channel power of spectrum analyzer + cable loss

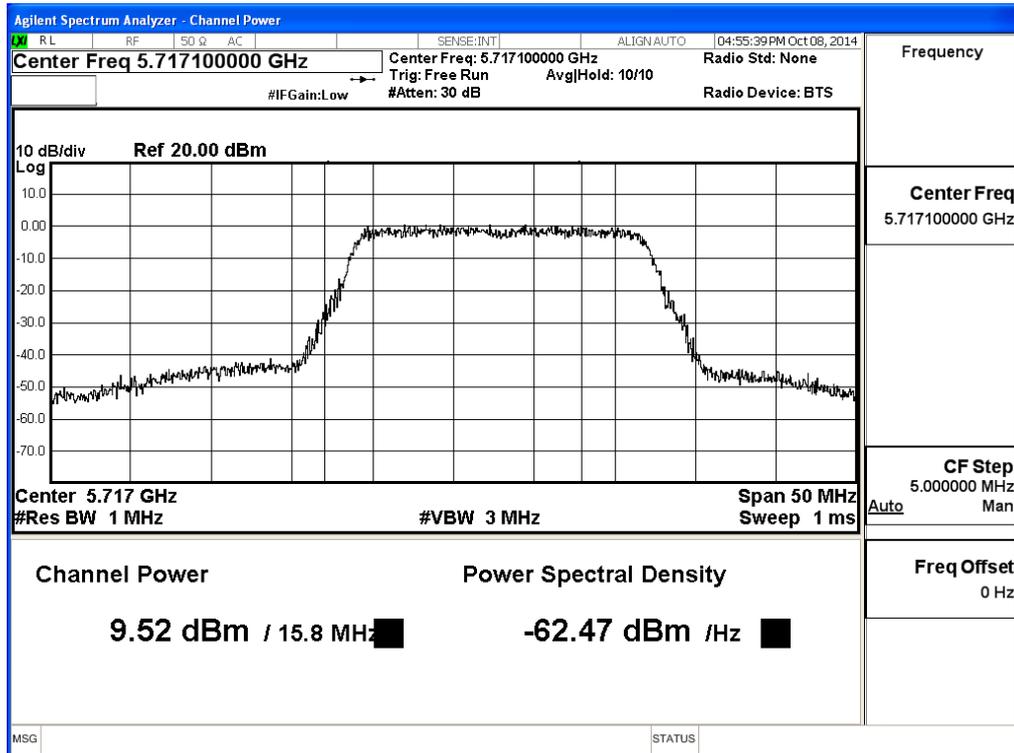
26dBc Occupied Bandwidth: Channel 144 – Chain A



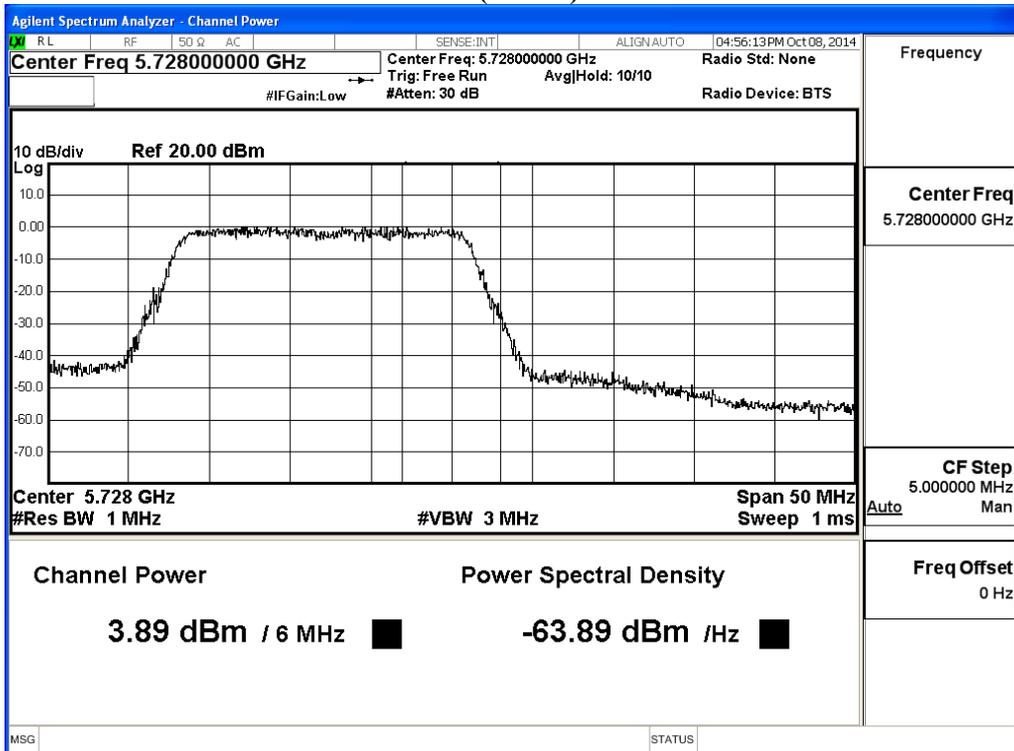
26dBc Occupied Bandwidth: Channel 144 – Chain B



**Maximum conducted output power:
Channel 144 (Band3) – Chain A**



Channel 144 (Band4) – Chain A



Product : Nexus Player
 Test Item : Maximum conducted output power
 Test Site : No.3 OATS
 Test Mode : Mode 5: 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	9.41	9.23	9.06	8.88	8.71	8.53	8.36	8.18	8.01	7.83	<24dBm
142F(Band4)	5710	0.06	-0.23	-0.41	-0.66	-0.90	-1.13	-1.37	-1.60	-1.84	-2.07	<30dBm

Note: Maximum conducted output power Value =Reading value on channel power of spectrum analyzer + 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	7.93	7.71	7.69	7.54	7.42	7.30	7.18	7.06	6.94	6.82	<24dBm
142F(Band4)	5710	-1.68	-1.79	-1.97	-2.10	-2.25	-2.39	-2.54	-2.68	-2.83	-2.97	<30dBm

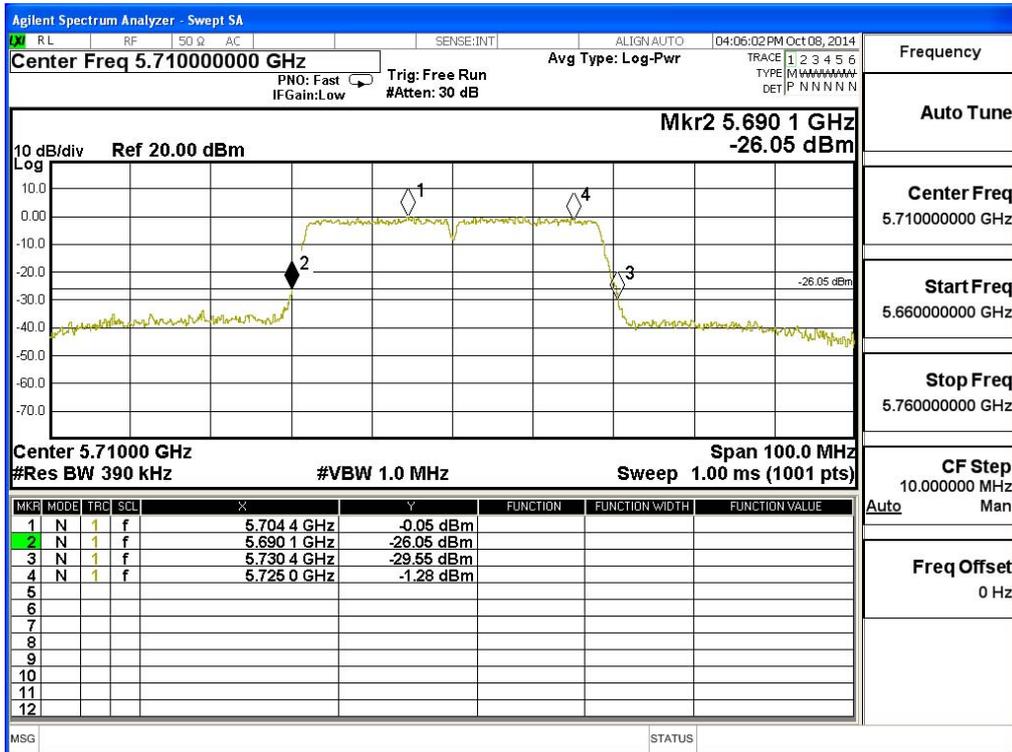
Note: Maximum conducted output power Value =Reading value on channel power of spectrum analyzer + cable loss

Maximum conducted output power Measurement:

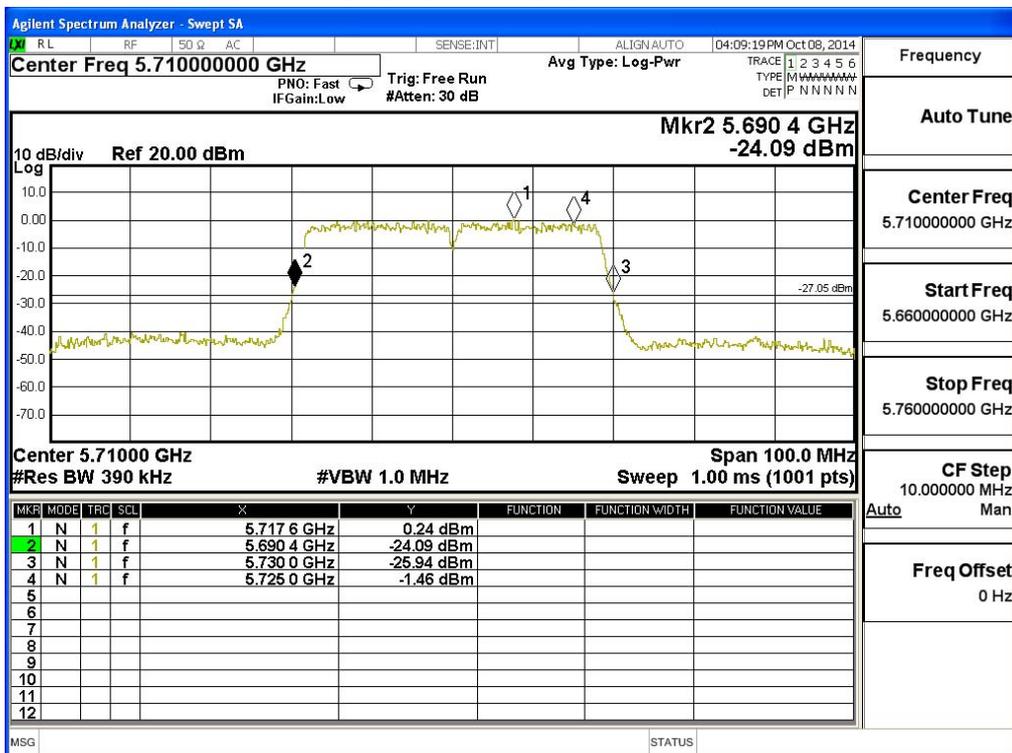
Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Output Power (dBm)	Output Power Limit		Result
						(dBm)	dBm+10log(BW)	
142F(Band3)	5710	34.600	9.41	7.93	11.74	24	26.39	Pass
142F(Band4)	5710	5.000	0.06	-1.68	2.29	30	17.99	Pass

Note: Power Output Value =Reading value on channel power of spectrum analyzer + cable loss

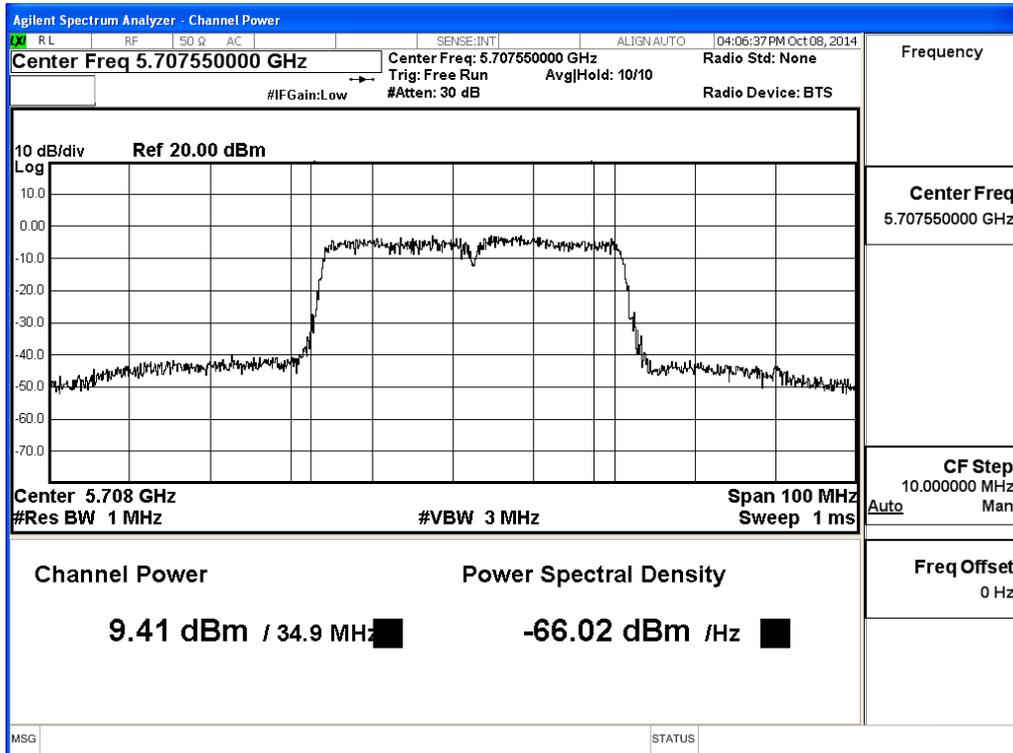
**26dBc Occupied Bandwidth:
Channel 142 – Chain A**



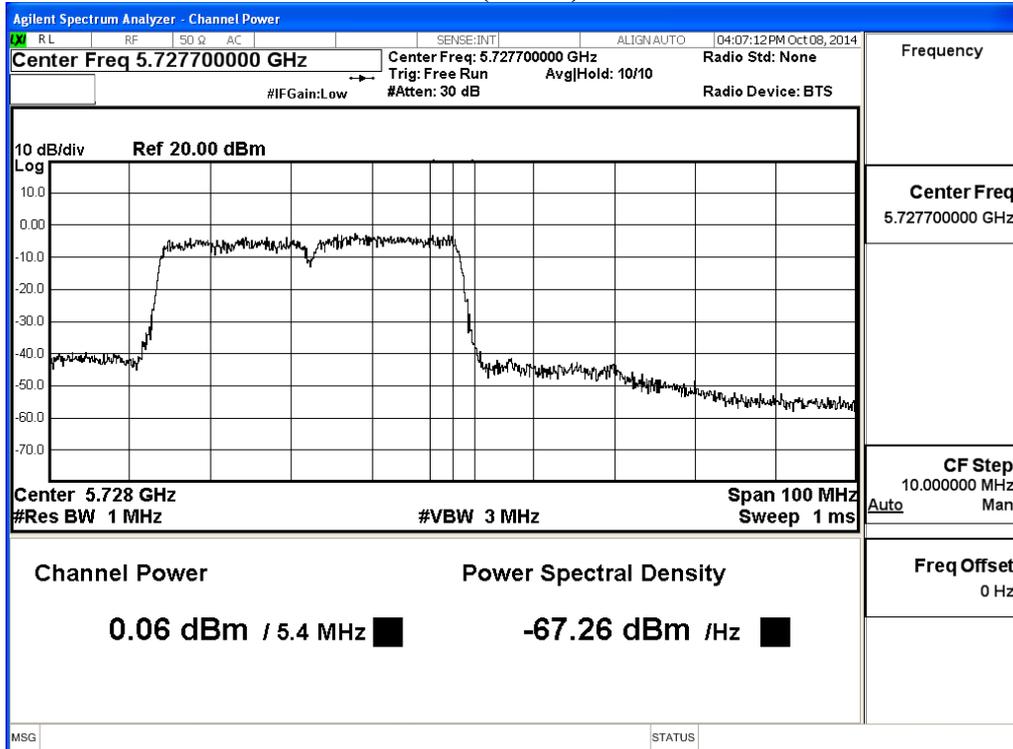
**26dBc Occupied Bandwidth:
Channel 142 – Chain B**



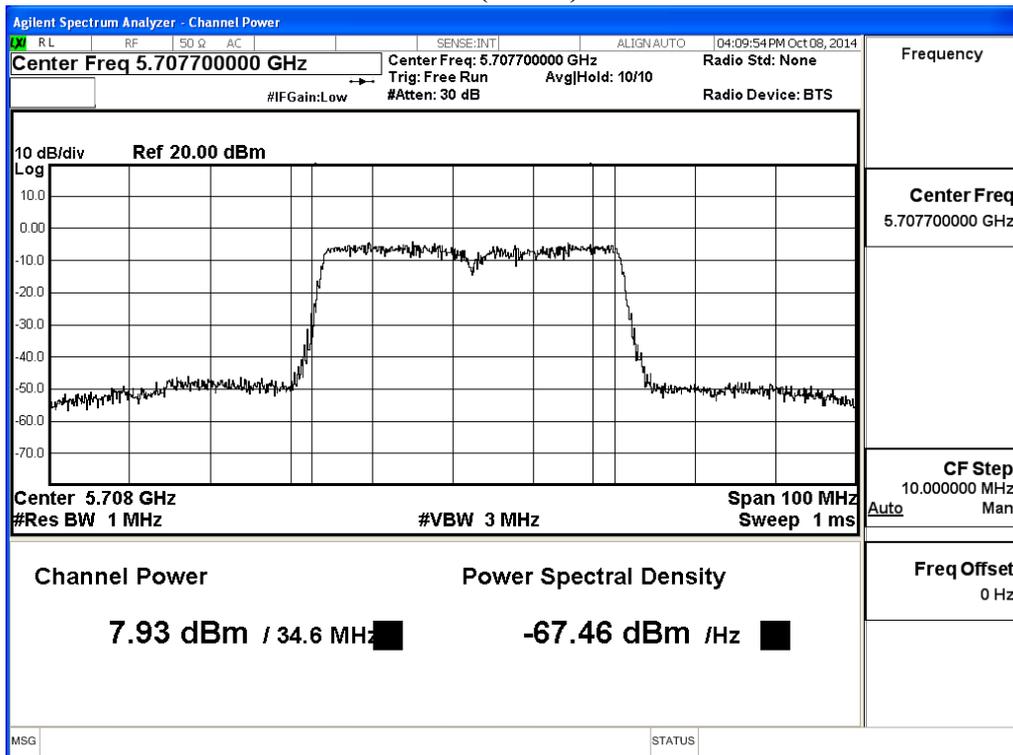
**Maximum conducted output power:
Channel 142 (Band3) – Chain A**



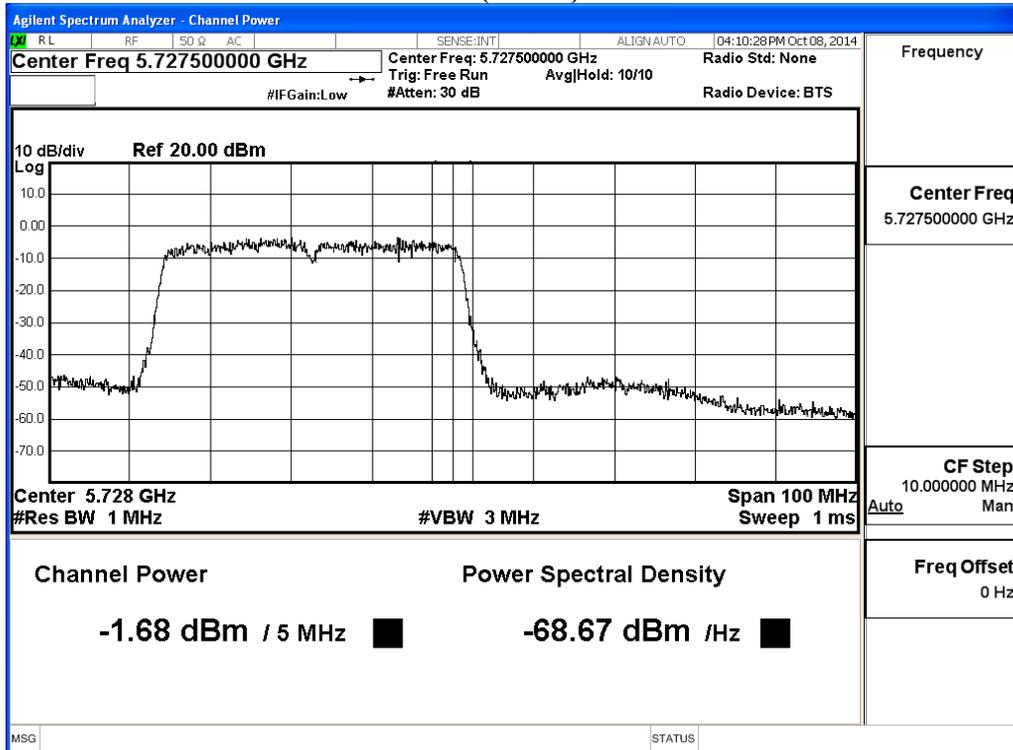
Channel 142 (Band4) – Chain A



**Maximum conducted output power:
Channel 142 (Band3) – Chain B**



Channel 142 (Band4) – Chain B



Product : Nexus Player
 Test Item : Maximum conducted output power
 Test Site : No.3 OATS
 Test Mode : Mode 6: 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	8.19	8.06	7.89	7.75	7.60	7.45	7.30	7.15	7.00	6.85	<24dBm
58	5290	7.47	7.30	7.09	6.91	6.72	6.53	6.34	6.15	5.96	5.77	<24dBm
106	5530	7.47	7.26	7.01	6.79	6.56	6.33	6.10	5.87	5.64	5.41	<24dBm
138(Band3)	5690	7.51	7.43	7.19	7.06	6.90	6.74	6.58	6.42	6.26	6.10	<24dBm
138(Band4)	5690	-6.54	-6.77	-6.93	-7.14	-7.33	-7.53	-7.72	-7.92	-8.11	-8.31	<30dBm

Note: Maximum conducted output power Value =Reading value on channel power of spectrum analyzer + 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	6.68	6.48	6.11	5.85	5.57	5.28	5.00	4.71	4.43	4.14	<24dBm
58	5290	6.55	6.46	6.29	6.17	6.04	5.91	5.78	5.65	5.52	5.39	<24dBm
106	5530	6.39	6.24	6.08	5.93	5.77	5.62	5.46	5.31	5.15	5.00	<24dBm
138(Band3)	5690	6.39	6.11	5.99	5.76	5.56	5.36	5.16	4.96	4.76	4.56	<24dBm
138(Band4)	5690	-7.16	-7.34	-7.56	-7.75	-7.95	-8.15	-8.35	-8.55	-8.75	-8.95	<30dBm

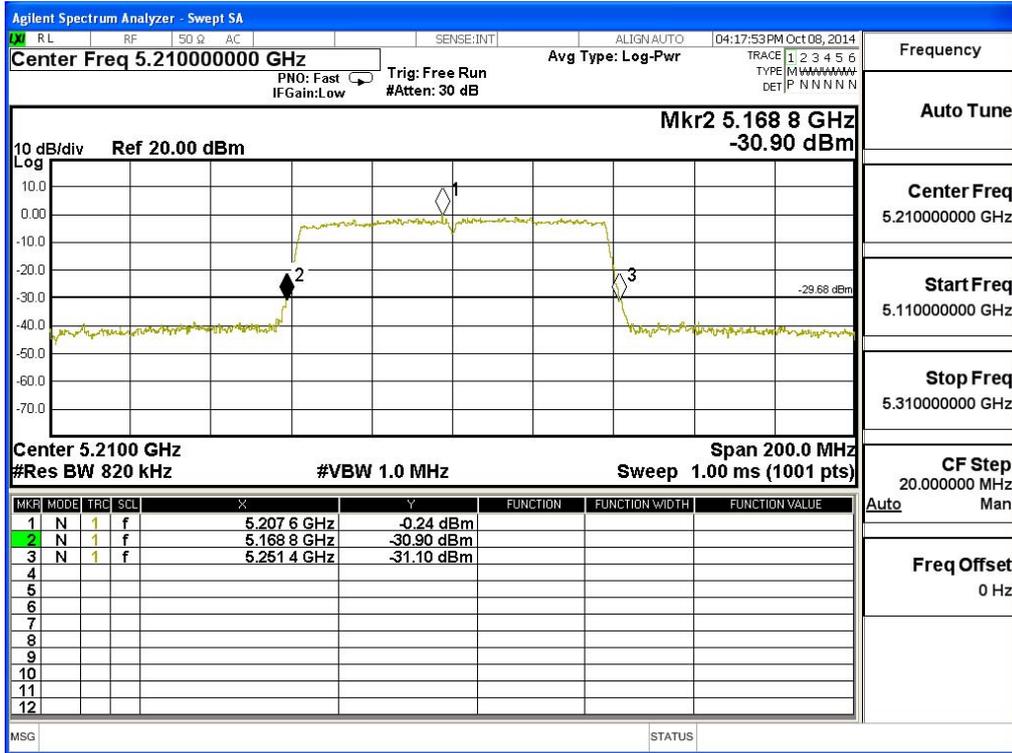
Note: Maximum conducted output power Value =Reading value on channel power of spectrum analyzer + cable loss

Maximum conducted output power Measurement:

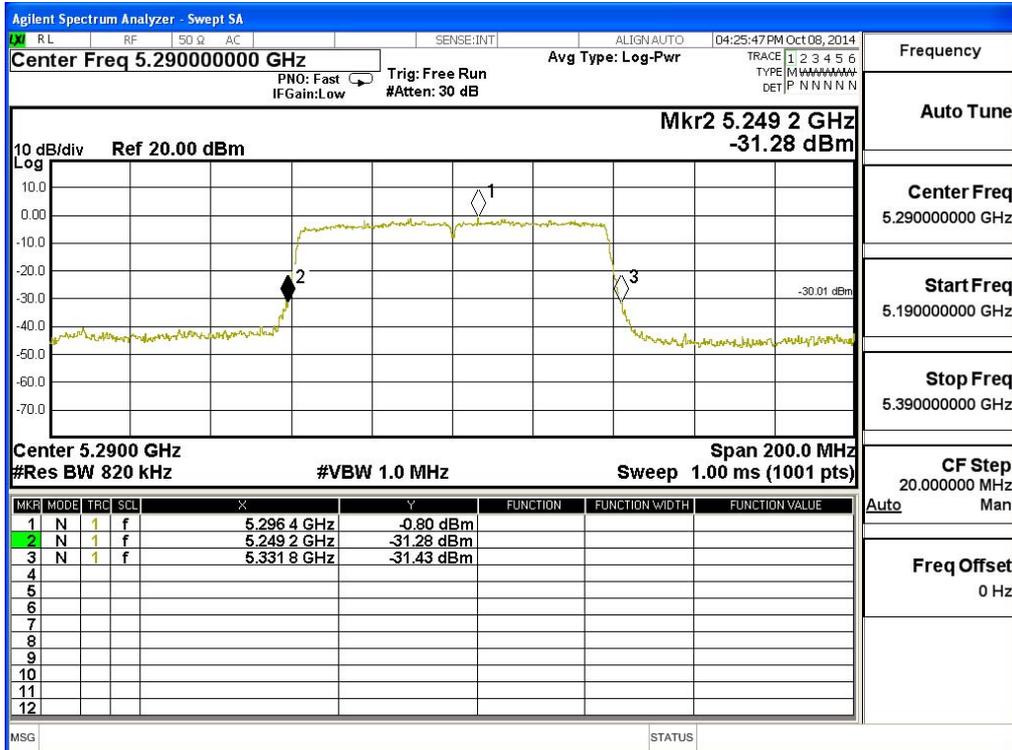
Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Output Power (dBm)	Output Power Limit		Result
						(dBm)	dBm+10log(BW)	
42	5210	82.600	8.19	6.68	10.51	24	30.17	Pass
58	5290	81.800	7.47	6.55	10.04	24	30.13	Pass
106	5530	82.600	7.47	6.39	9.97	24	30.17	Pass
138(Band3)	5690	75.200	7.51	6.39	10.00	24	29.76	Pass
138(Band4)	5690	5.600	-6.54	-7.16	-3.83	30	24.48	Pass

Note: Power Output Value =Reading value on channel power of spectrum analyzer + cable loss

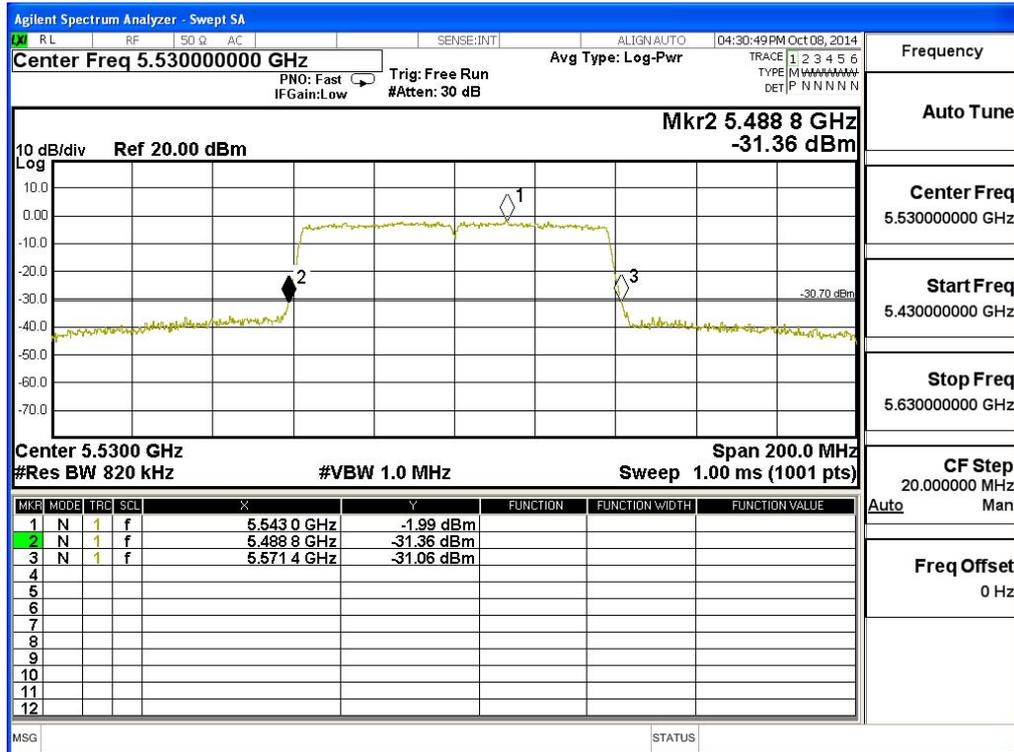
26dBc Occupied Bandwidth: Channel 42 – Chain A



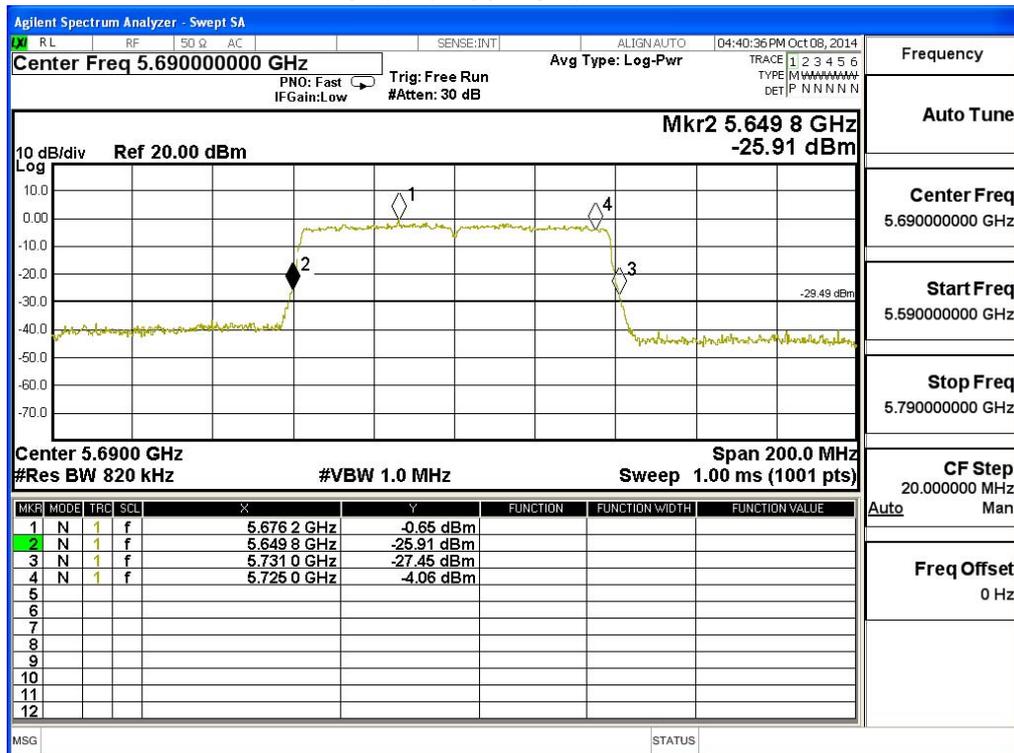
Channel 58 – Chain A



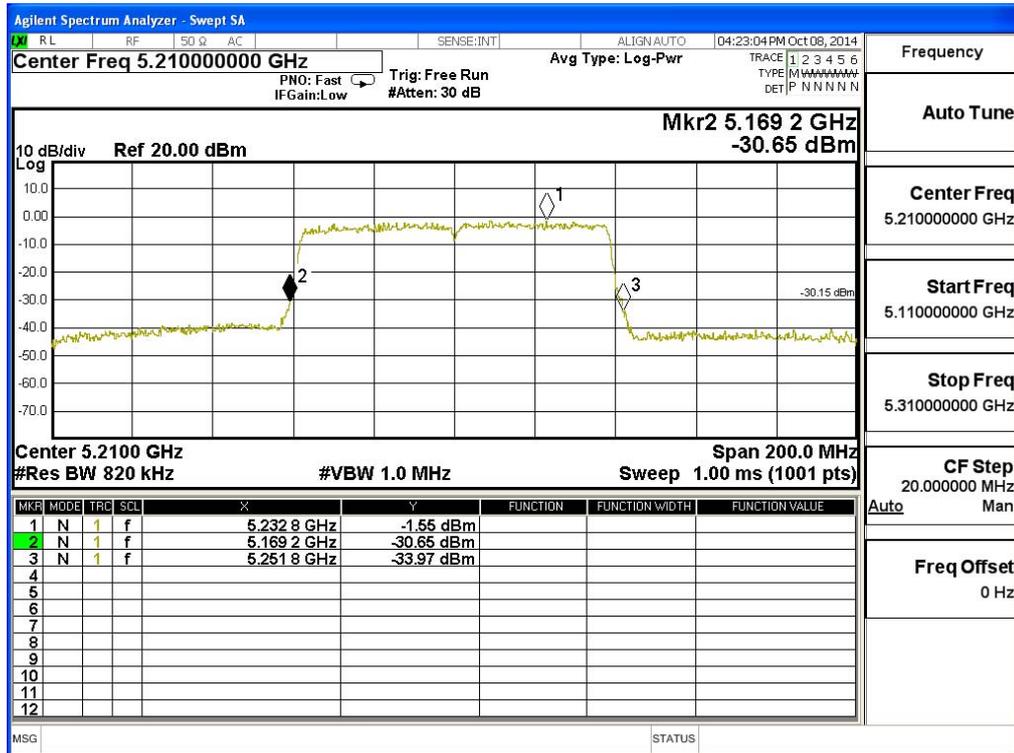
Channel 106 – Chain A



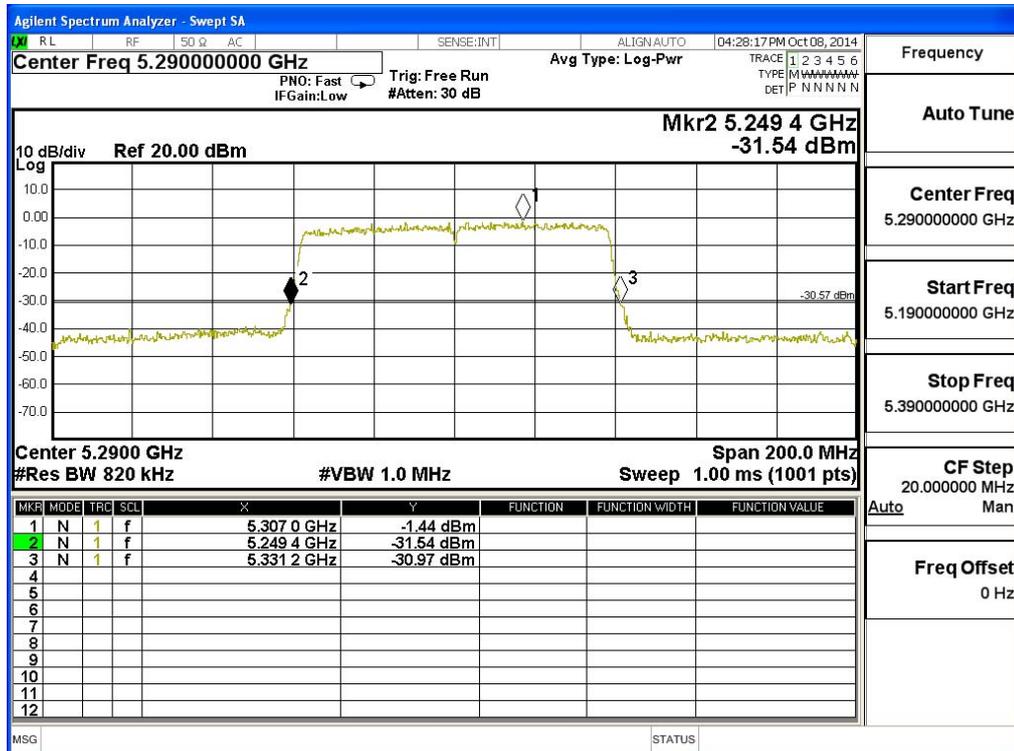
Channel 138 – Chain A



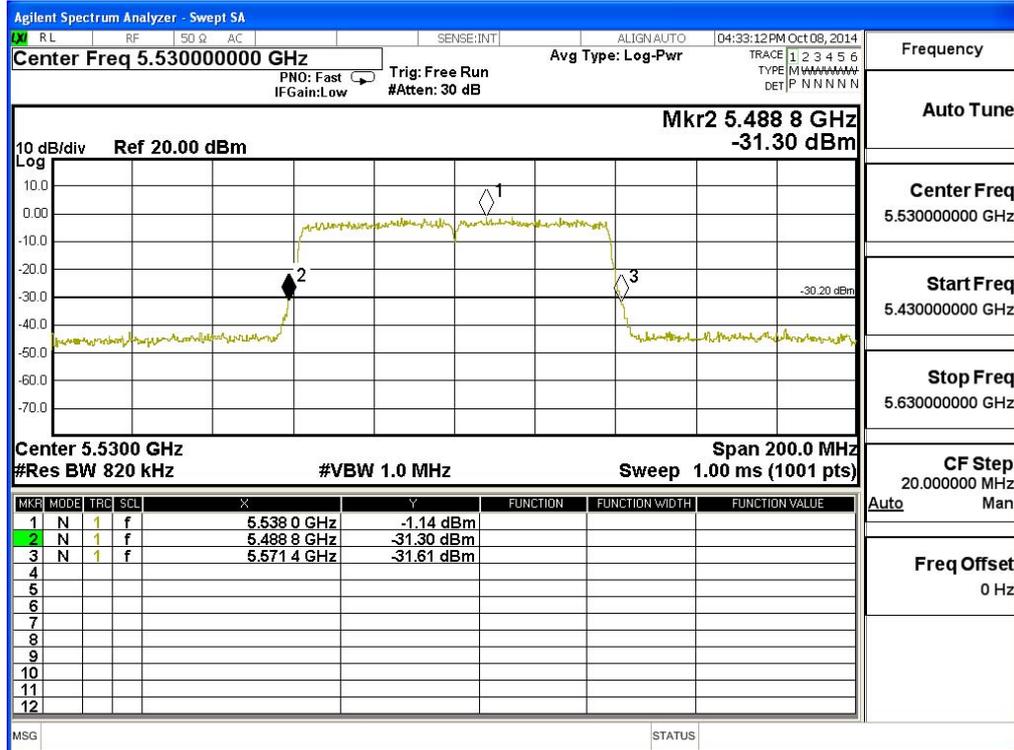
26dBc Occupied Bandwidth: Channel 42 – Chain B



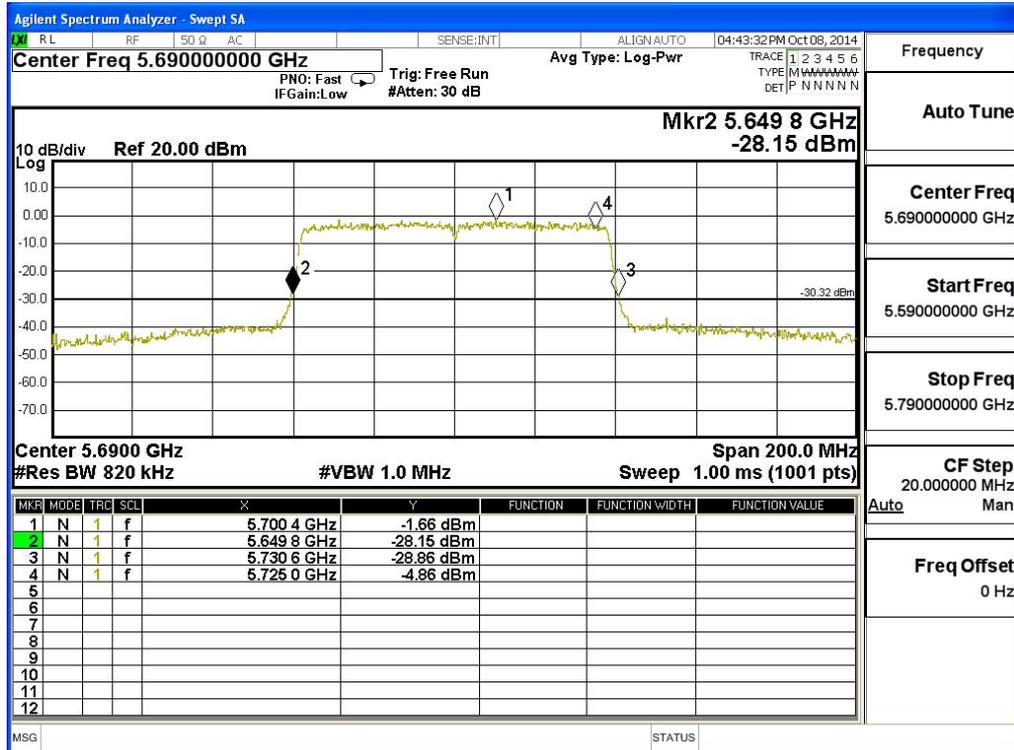
Channel 58 – Chain B



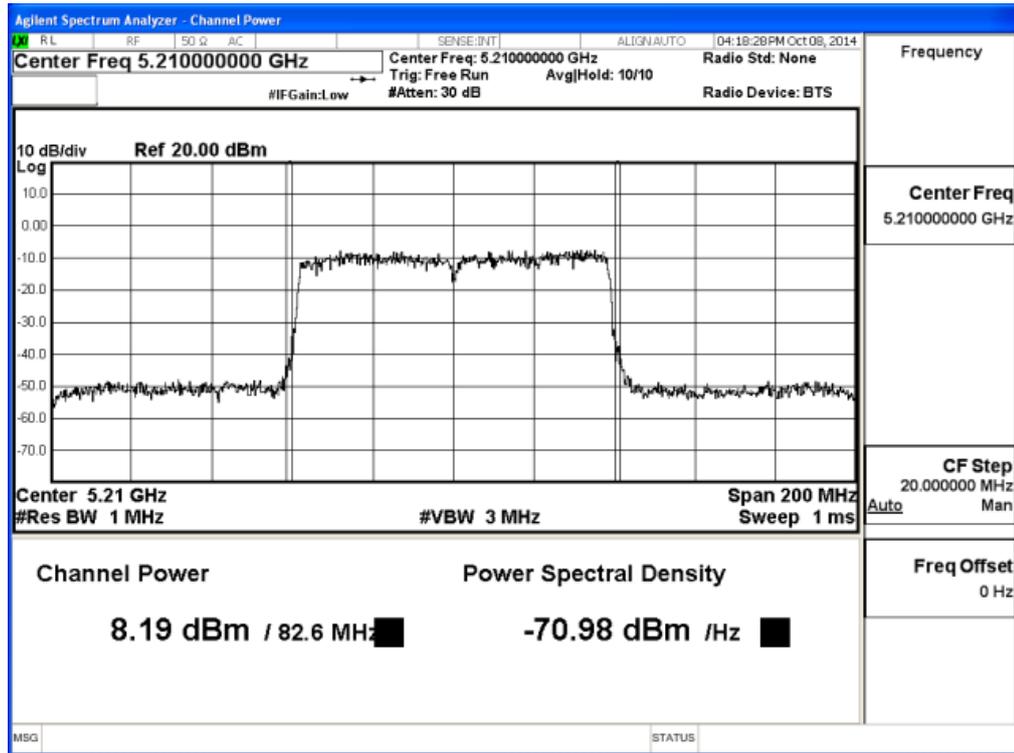
Channel 106 – Chain B



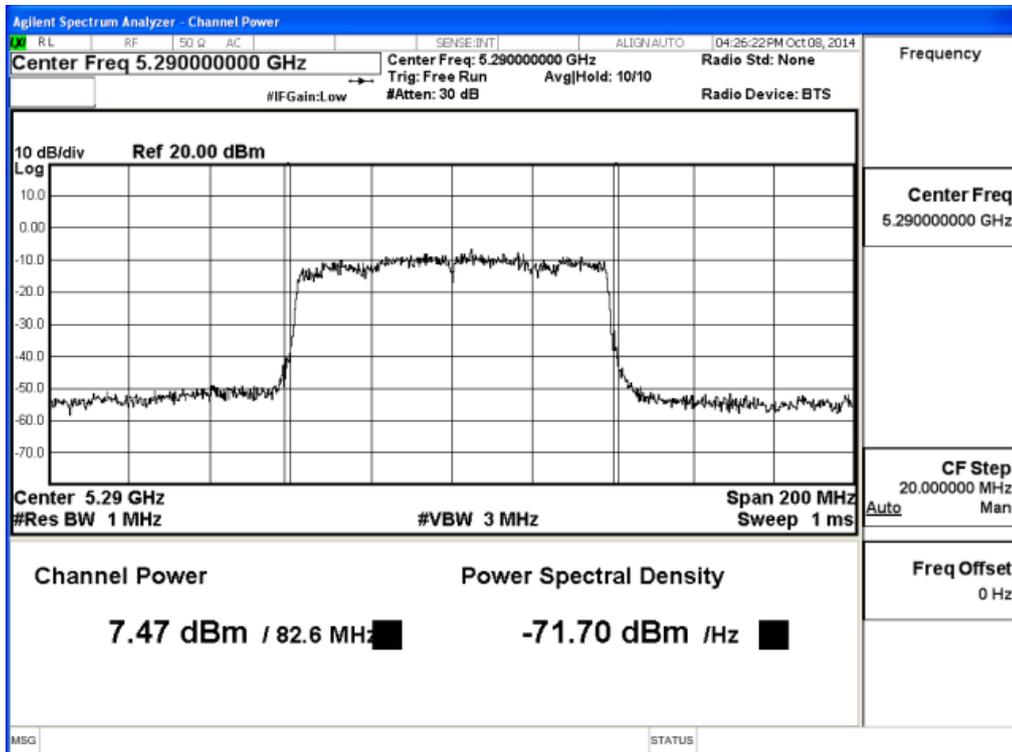
Channel 138 – Chain B



**Maximum conducted output power:
Channel 42 – Chain A**

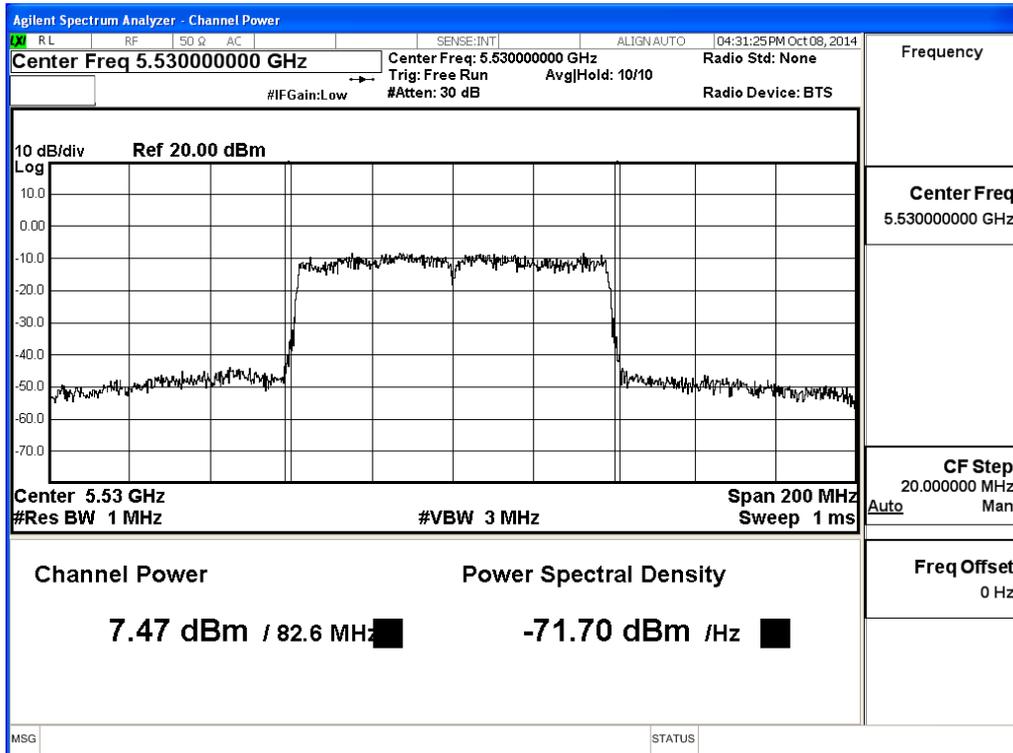


**Maximum conducted output power:
Channel 58 – Chain A**



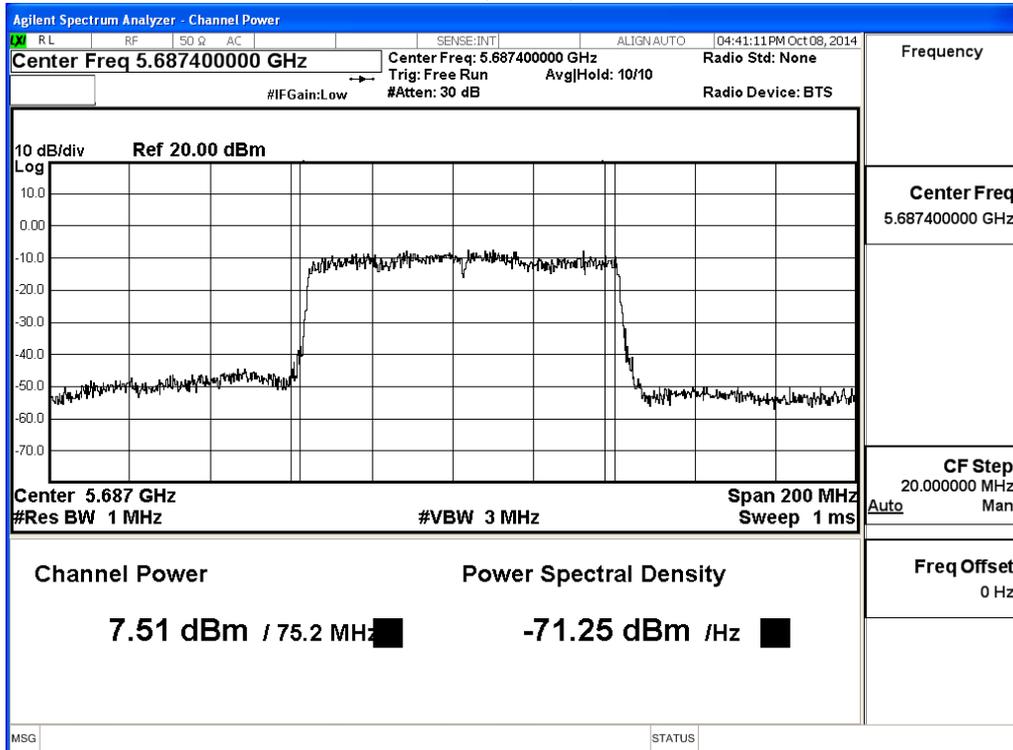
Maximum conducted output power:

Channel 106 – Chain A

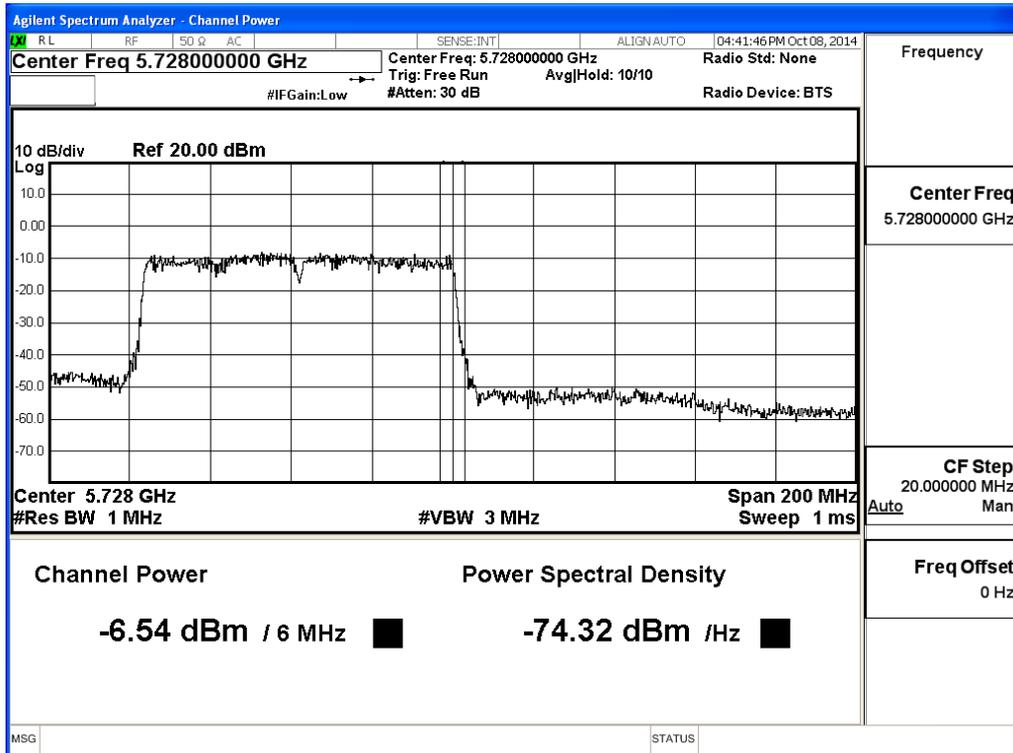


Maximum conducted output power:

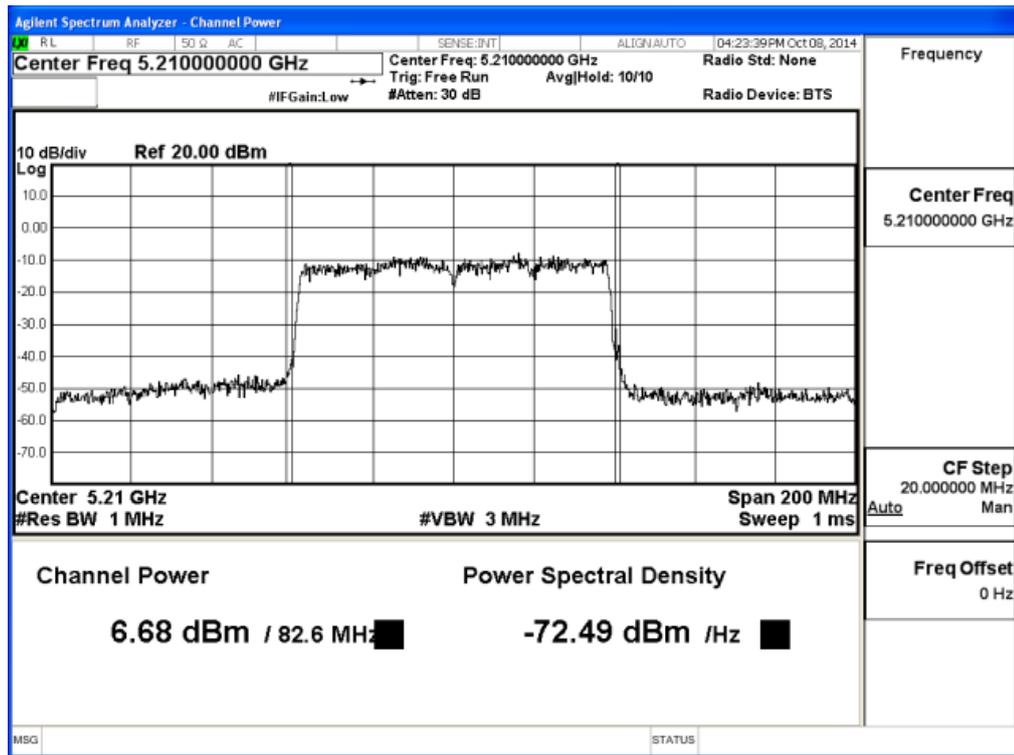
Channel 138 (Band3) – Chain A



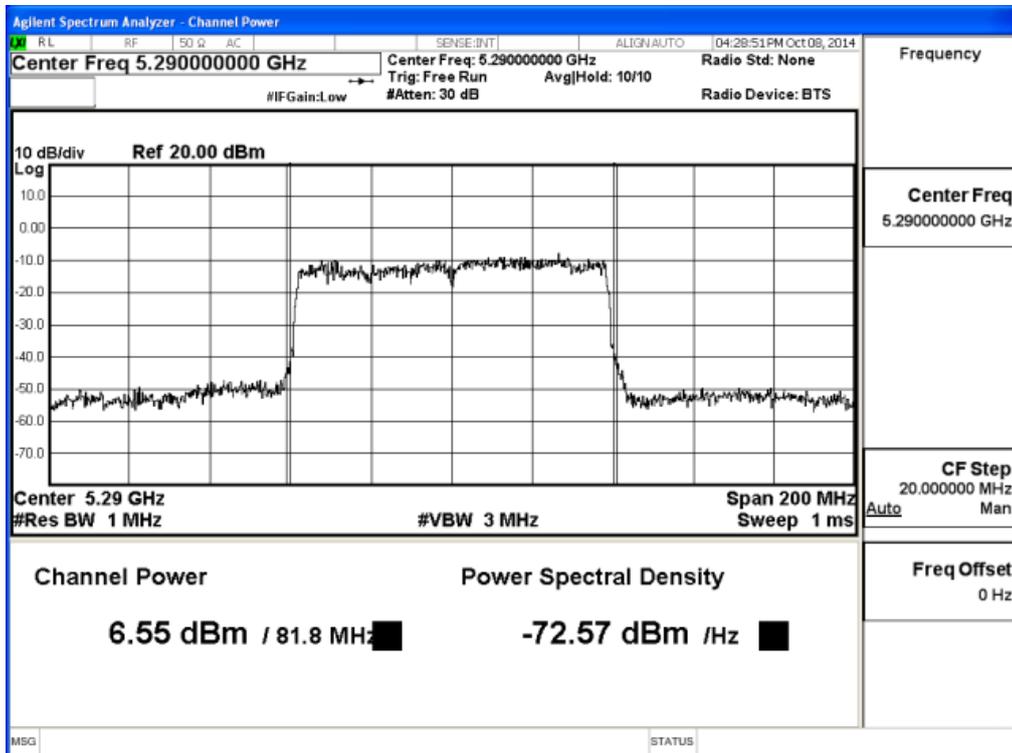
**Maximum conducted output power:
Channel 138 (Band4) – Chain A**



**Maximum conducted output power:
Channel 42 – Chain B**

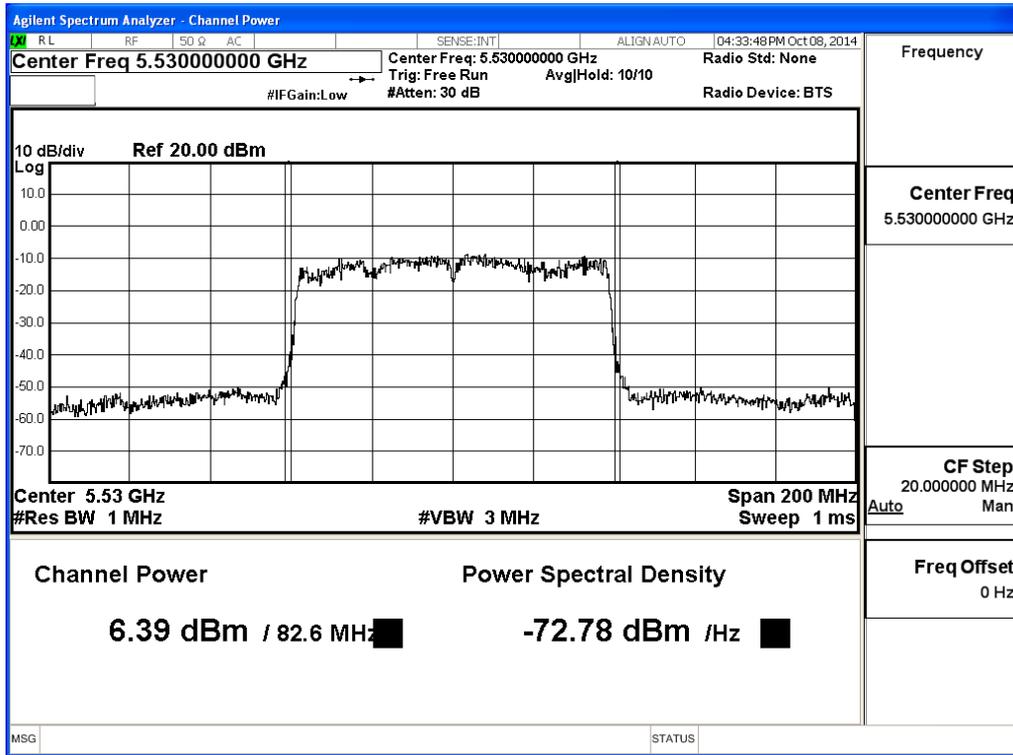


**Maximum conducted output power:
Channel 58 – Chain B**



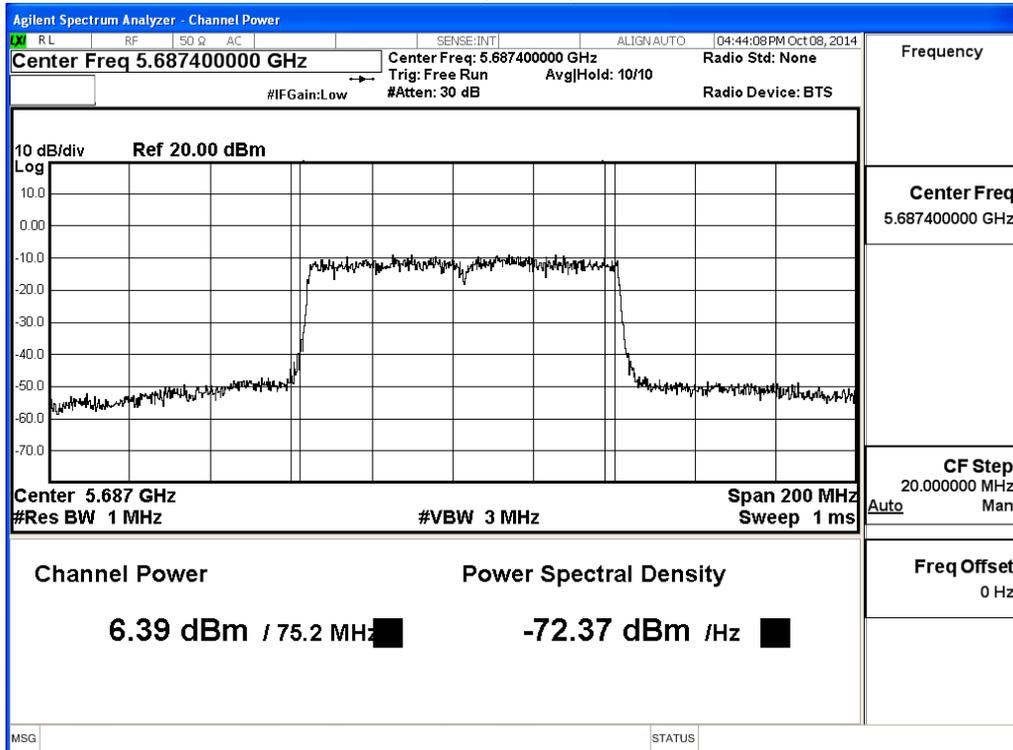
Maximum conducted output power:

Channel 106 – Chain B



Maximum conducted output power:

Channel 138 (Band3) – Chain B



**Maximum conducted output power:
Channel 138 (Band4) – Chain B**

