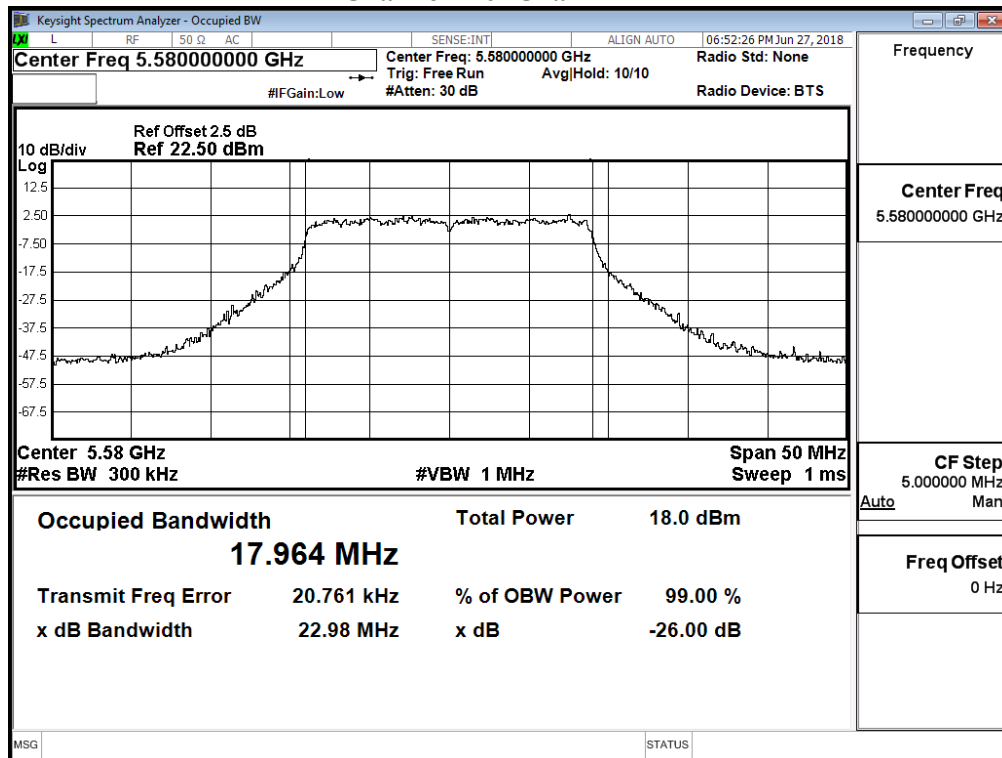
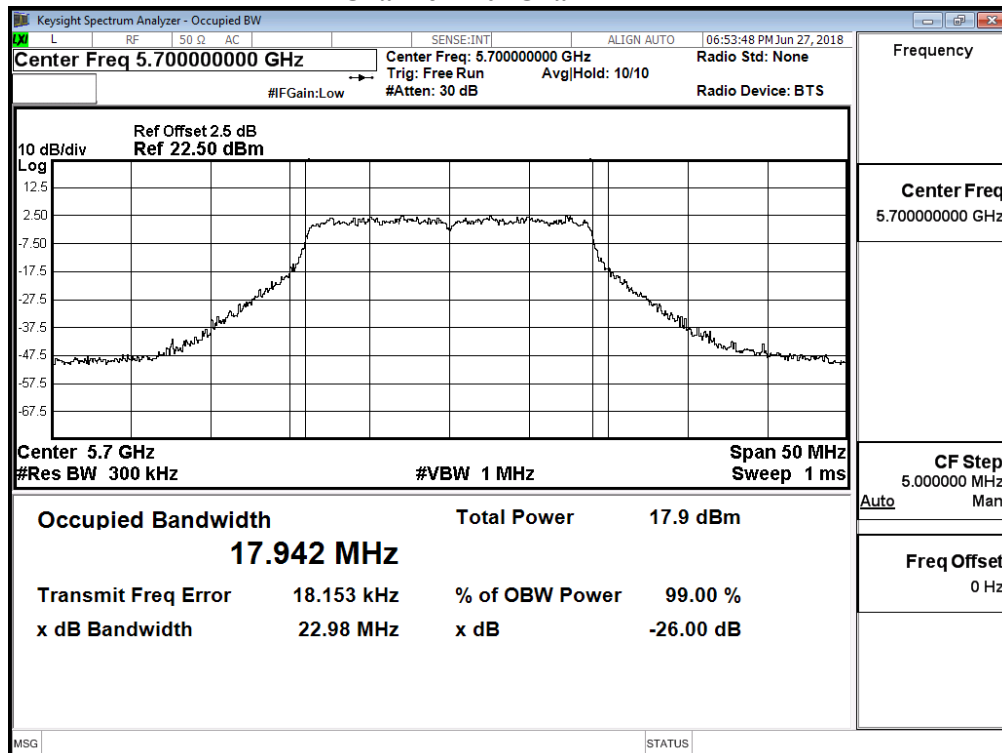


Channel 116 -Chain D



Channel 140 -Chain D



Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Maximum conducted output power
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (Antenna No.18)

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	8.17	--	--	--	--	--	--	--	<15dBm
46	5230	8.99	8.93	8.86	8.81	8.74	8.64	8.57	8.5	<15dBm
54	5270	8.42	--	--	--	--	--	--	--	<15dBm
62	5310	7.62	7.54	7.46	7.37	7.27	7.22	7.14	7.04	<15dBm
102	5510	8.31	--	--	--	--	--	--	--	<15dBm
110	5550	8.17	8.07	8	7.9	7.8	7.73	7.67	7.62	<15dBm
134	5670	7.54	--	--	--	--	--	--	--	<15dBm
151	5755	18.78	--	--	--	--	--	--	--	<30dBm
159	5795	18.27	18.19	18.12	18.06	17.97	17.88	17.78	17.68	<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
		30	60	90	120	180	240	270	300	
		Measurement Level (dBm)								
38	5190	9.47	--	--	--	--	--	--	--	<15dBm
46	5230	8.81	8.75	8.7	8.64	8.54	8.46	8.36	8.27	<15dBm
54	5270	7.95	--	--	--	--	--	--	--	<15dBm
62	5310	8.93	8.86	8.78	8.71	8.62	8.52	8.47	8.38	<15dBm
102	5510	9.31	--	--	--	--	--	--	--	<15dBm
110	5550	8.25	8.16	8.08	8.03	7.98	7.9	7.85	7.79	<15dBm
134	5670	8.89	--	--	--	--	--	--	--	<15dBm
151	5755	19.3	--	--	--	--	--	--	--	<30dBm
159	5795	20.11	20.04	19.95	19.85	19.77	19.71	19.63	19.55	<30dBm

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

CHAIN C

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	9.5	--	--	--	--	--	--	--	<15dBm
46	5230	9.25	9.17	9.11	9.03	8.96	8.91	8.82	8.74	<15dBm
54	5270	9.49	--	--	--	--	--	--	--	<15dBm
62	5310	8.94	8.85	8.78	8.68	8.62	8.55	8.5	8.41	<15dBm
102	5510	9.22	--	--	--	--	--	--	--	<15dBm
110	5550	9.24	9.18	9.13	9.07	9	8.95	8.89	8.79	<15dBm
134	5670	9.02	--	--	--	--	--	--	--	<15dBm
151	5755	18.78	--	--	--	--	--	--	--	<30dBm
159	5795	19.78	19.73	19.65	19.57	19.52	19.46	19.39	19.32	<30dBm

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

CHAIN D

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	8.41	--	--	--	--	--	--	--	<15dBm
46	5230	8.72	8.62	8.52	8.44	8.36	8.26	8.19	8.1	<15dBm
54	5270	8.42	--	--	--	--	--	--	--	<15dBm
62	5310	7.72	7.64	7.57	7.51	7.46	7.37	7.3	7.2	<15dBm
102	5510	8.86	--	--	--	--	--	--	--	<15dBm
110	5550	8.84	8.76	8.69	8.59	8.54	8.44	8.35	8.3	<15dBm
134	5670	8.45	--	--	--	--	--	--	--	<15dBm
151	5755	19.69	--	--	--	--	--	--	--	<30dBm
159	5795	19.68	19.58	19.53	19.43	19.38	19.29	19.19	19.09	<30dBm

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

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

Channel No	Frequency Range (MHz)	99% Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Output Power (dBm)	Output Power Limit		Result
								(dBm)	dBm+10log(BW)	
38	5190	--	8.17	9.47	9.50	8.41	14.95	15	--	Pass
46	5230	--	8.99	8.81	9.25	8.72	14.97	15	--	Pass
54	5270	36.378	8.42	7.95	9.49	8.42	14.63	15	17.61	Pass
62	5310	36.448	7.62	8.93	8.94	7.72	14.37	15	17.62	Pass
102	5510	36.449	8.31	9.31	9.22	8.86	14.96	15	17.62	Pass
110	5550	36.463	8.17	8.25	9.24	8.84	14.67	15	17.62	Pass
134	5670	36.456	7.54	8.89	9.02	8.45	14.53	15	17.62	Pass
151	5755	--	18.78	19.30	18.78	19.69	25.18	30	--	Pass
159	5795	--	18.27	20.11	19.78	19.68	25.53	30	--	Pass

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)+Chain C(mW)+Chain D(mW))
3. 26 dB Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.
4. Band 5.725-5.85 GHz, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information

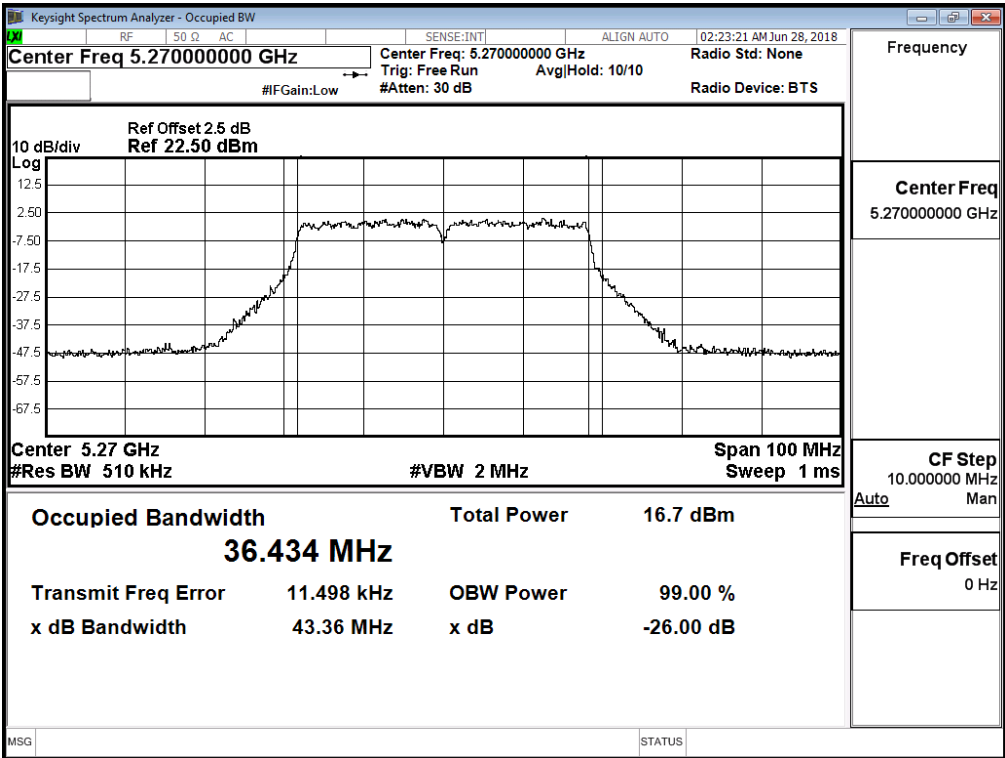
**Maximum conducted output power Measurement with Transmit power Control (TPC)
(CHAIN A+ B+C+D)**

Channel No	Frequency Range (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Output Power (dBm)	Result
54	5270	2.14	1.73	3.39	2.12	8.41	Pass
62	5310	1.33	2.60	2.81	1.38	8.10	Pass
102	5510	2.01	2.92	2.92	2.61	8.65	Pass
110	5550	2.02	1.96	3.01	2.57	8.43	Pass
134	5670	1.42	2.69	2.81	2.12	8.31	Pass

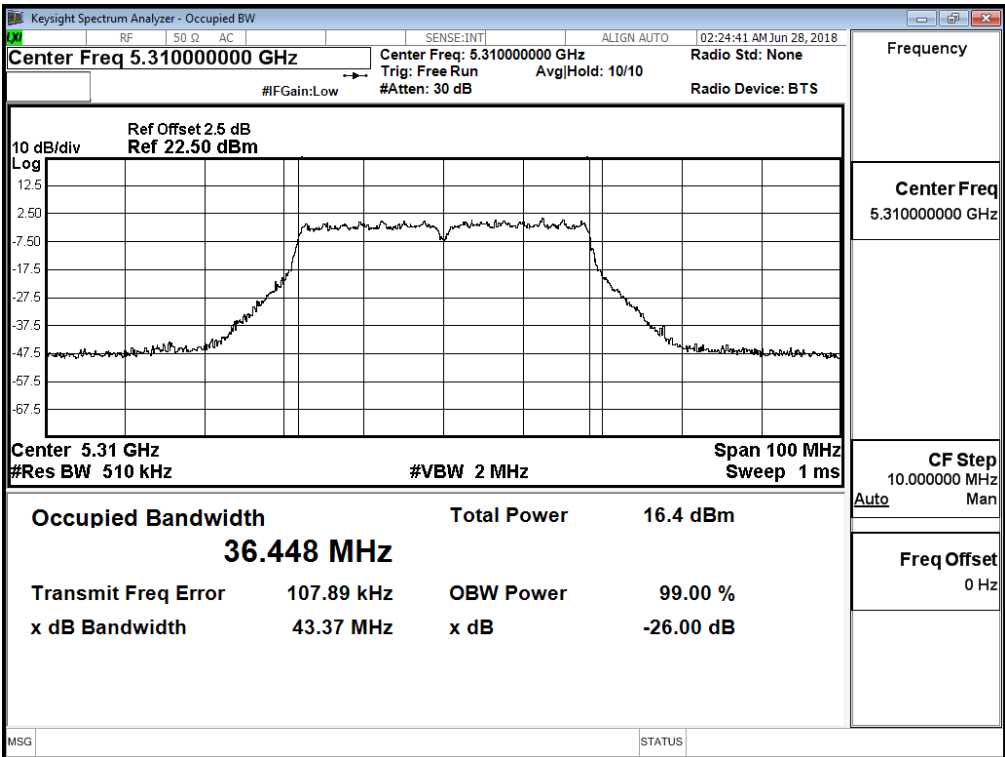
10*LOG (Chain A (mW)+ Chain B (mW) + Chain C (mW) + Chain D (mW))

99% Bandwidth:

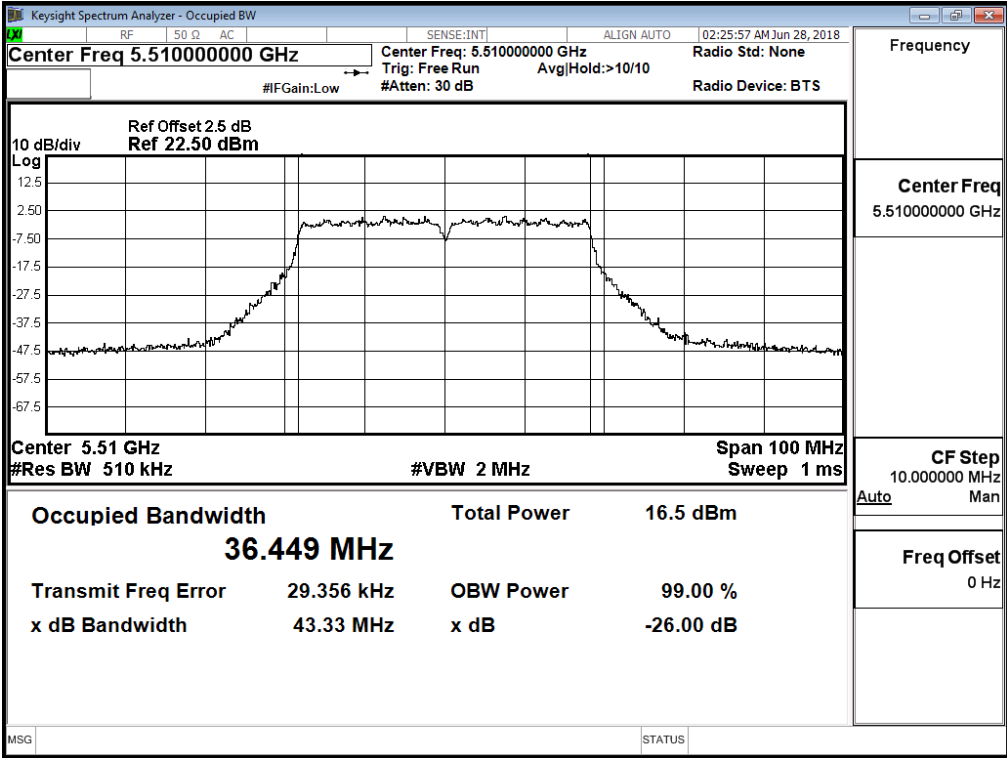
Channel 54 – Chain A



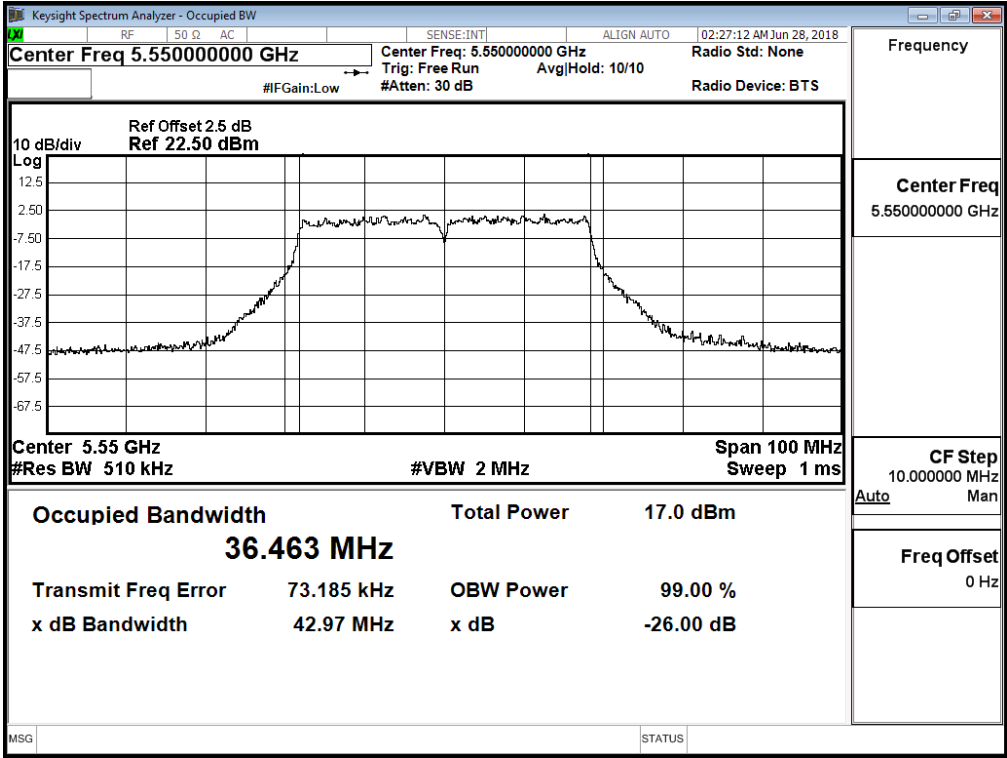
Channel 62 – Chain A



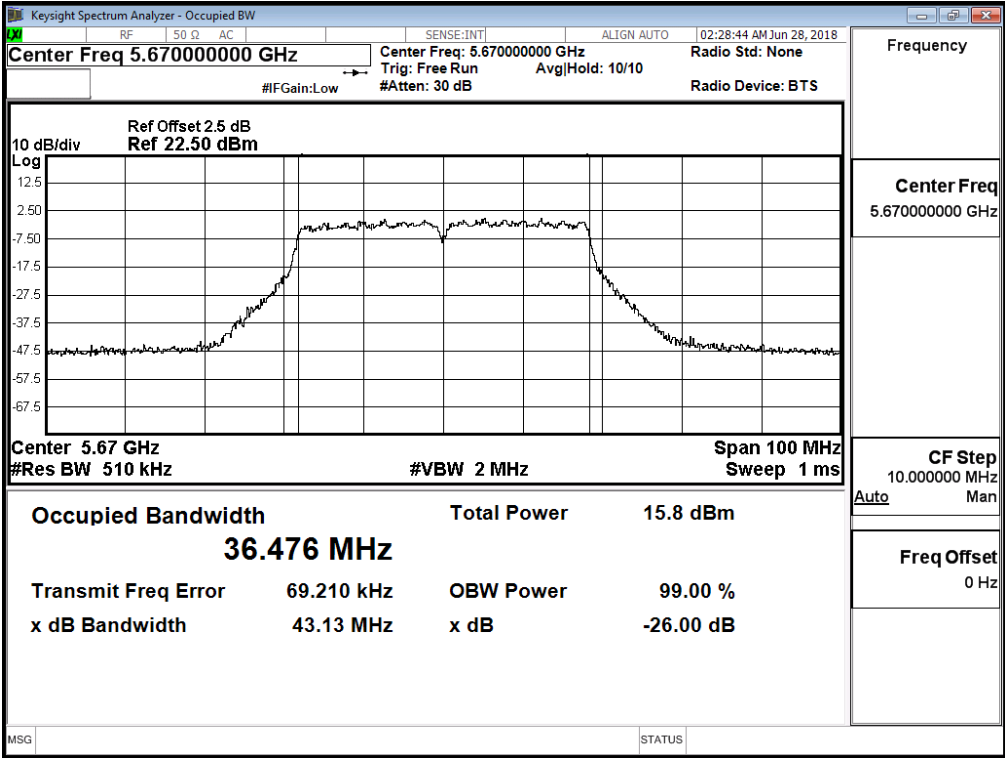
Channel 102 – Chain A



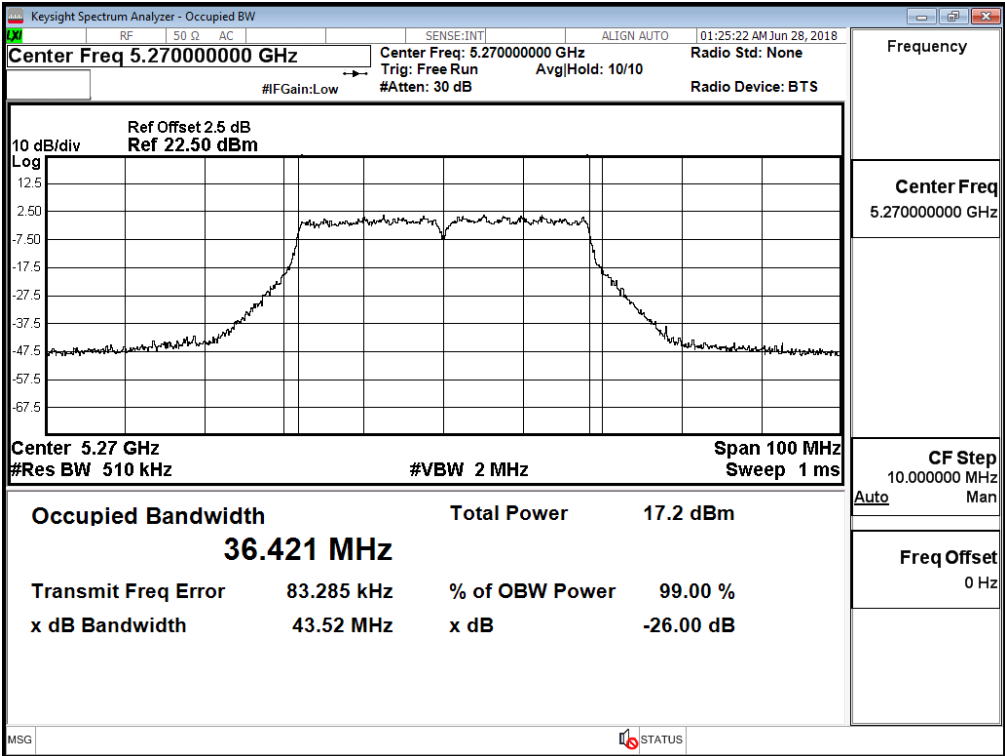
Channel 110 – Chain A



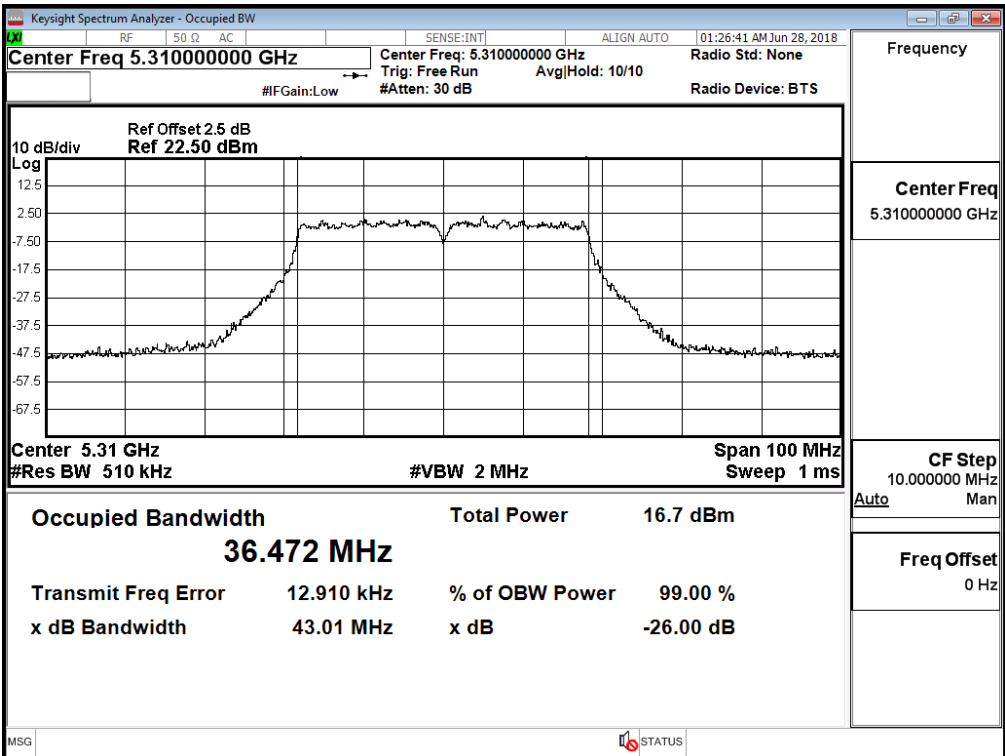
Channel 134 – Chain A



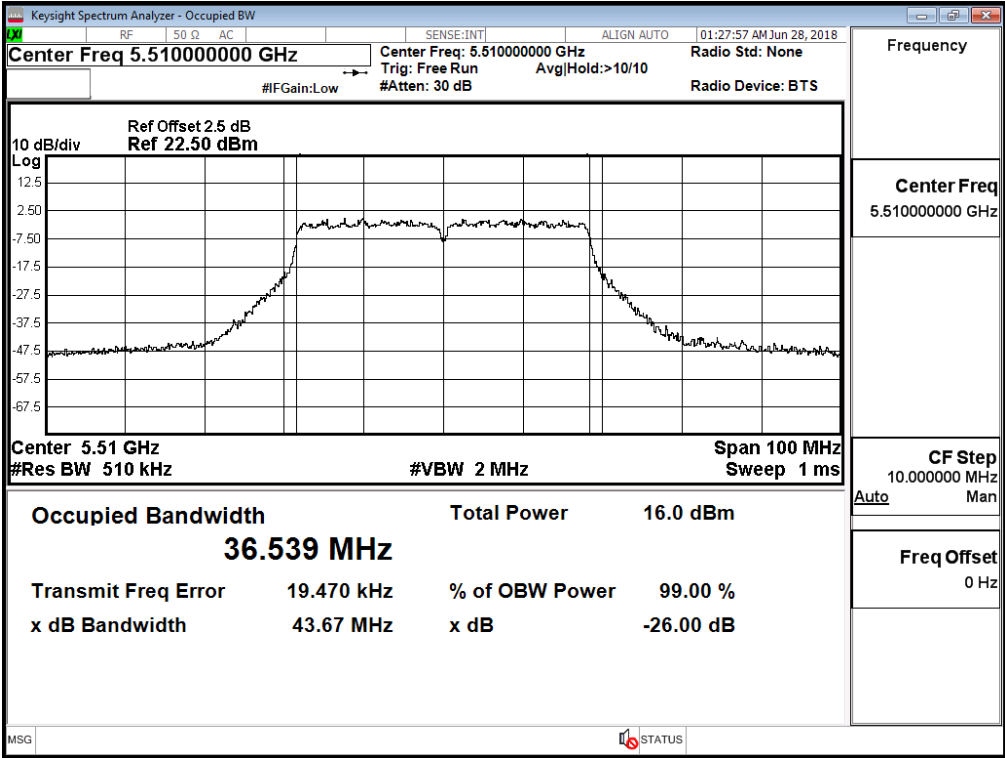
99% Bandwidth:
Channel 54 – Chain B



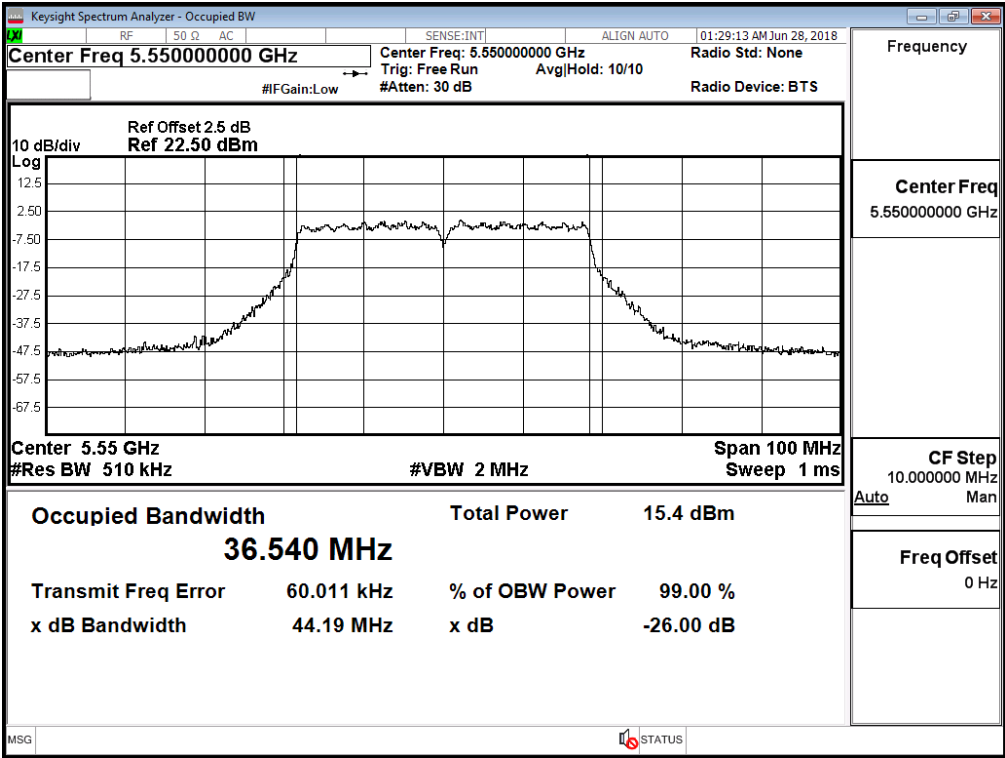
Channel 62 – Chain B



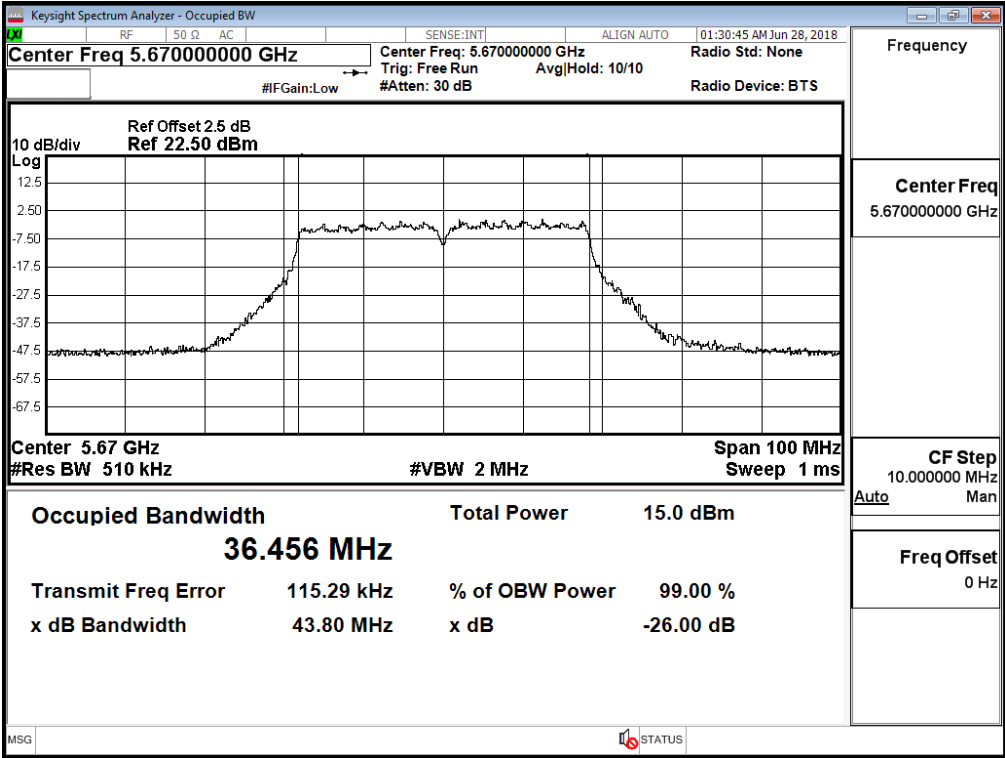
Channel 102 – Chain B



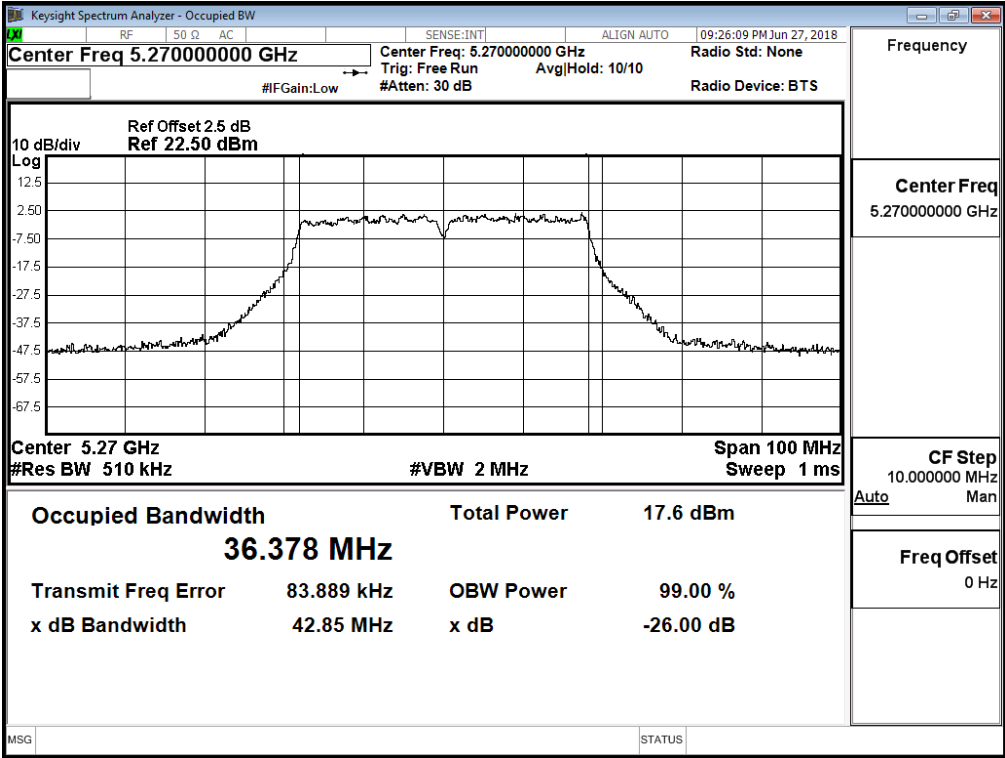
Channel 110 – Chain B



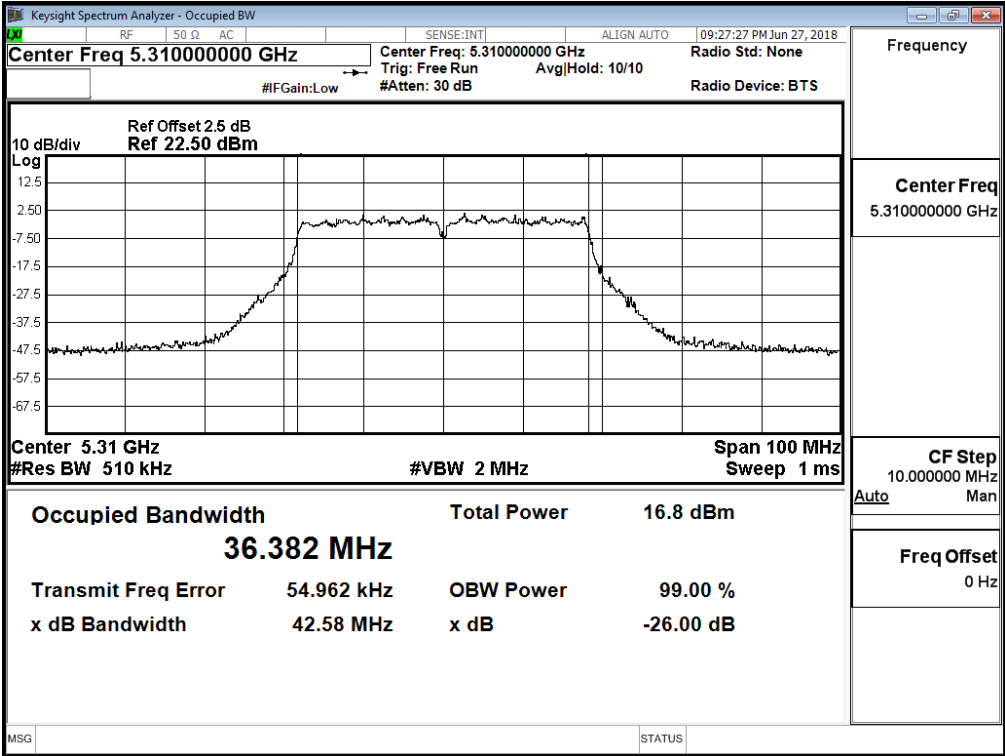
Channel 134 – Chain B



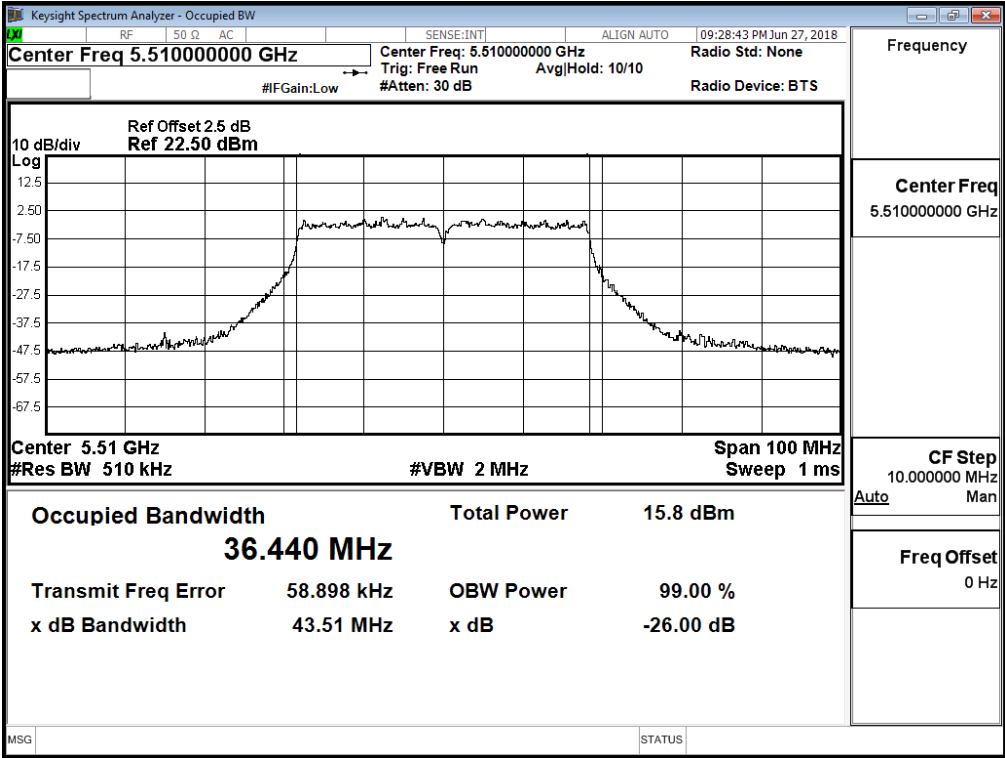
99% Bandwidth:
Channel 54 – Chain C



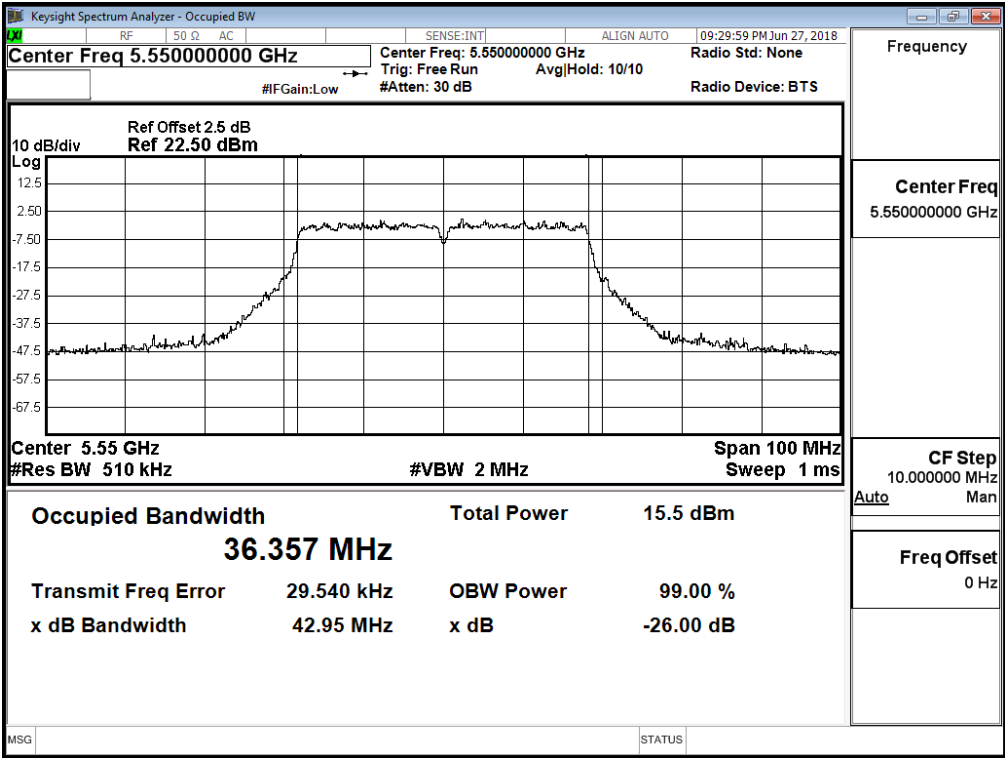
Channel 62 – Chain C



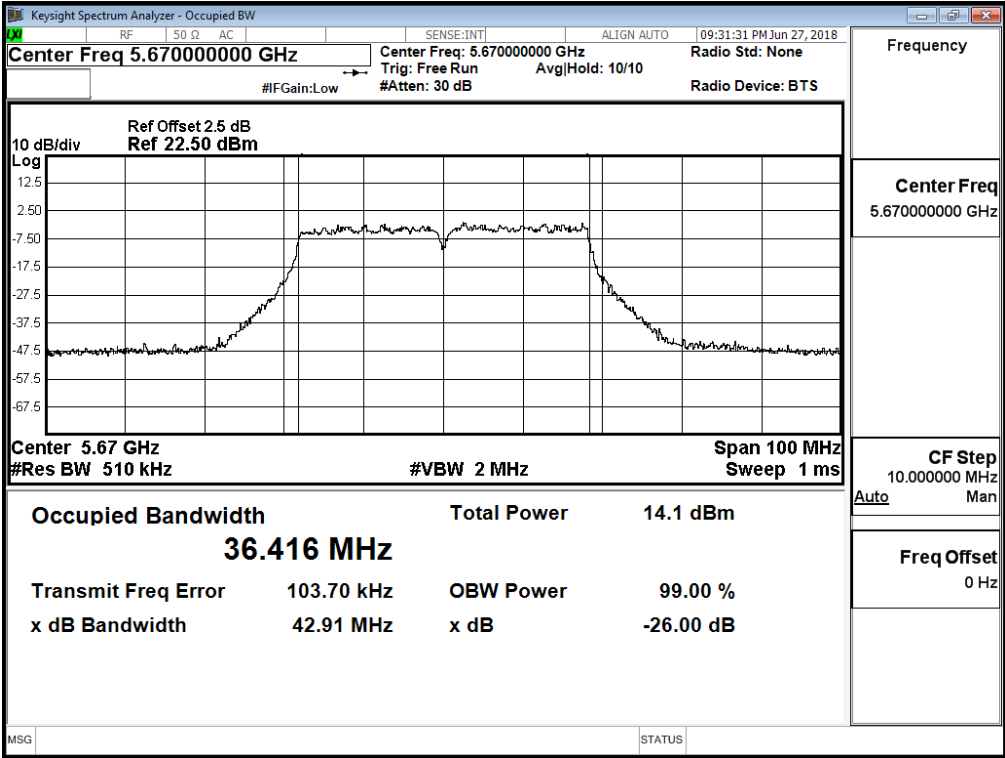
Channel 102 – Chain C



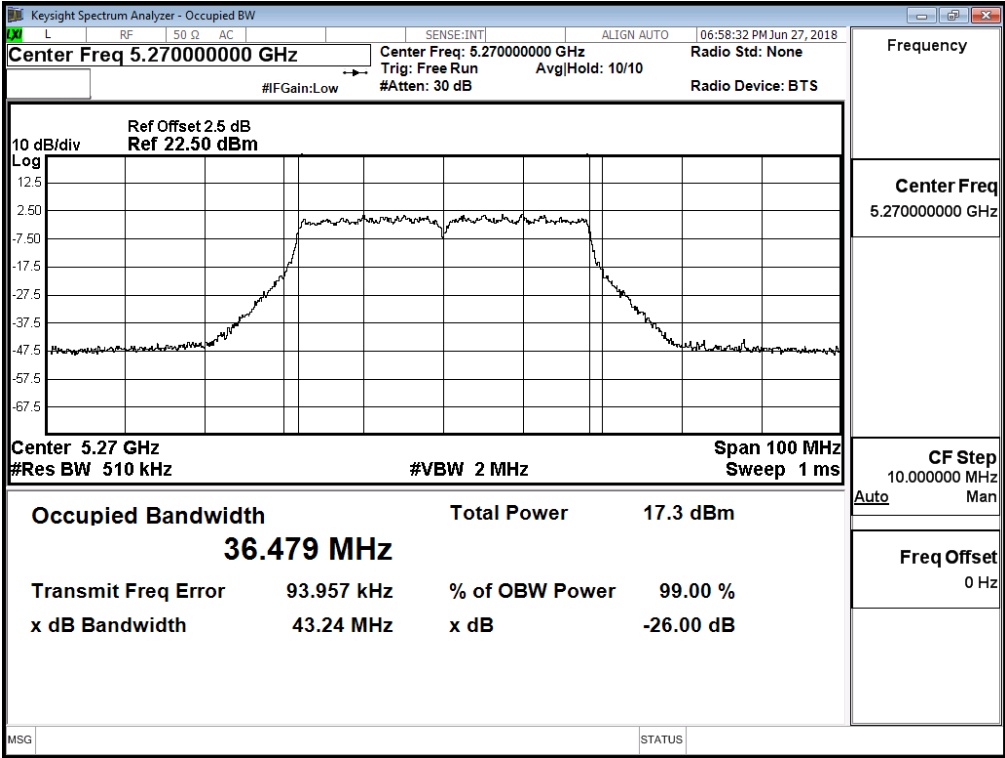
Channel 110 – Chain C



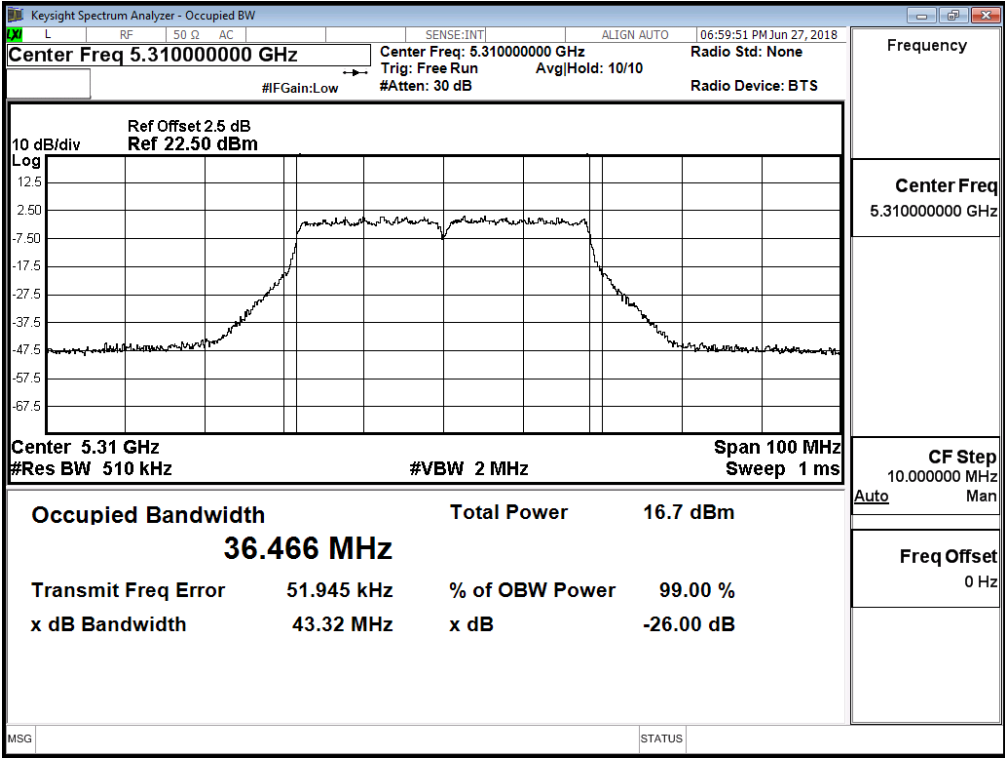
Channel 134 – Chain C



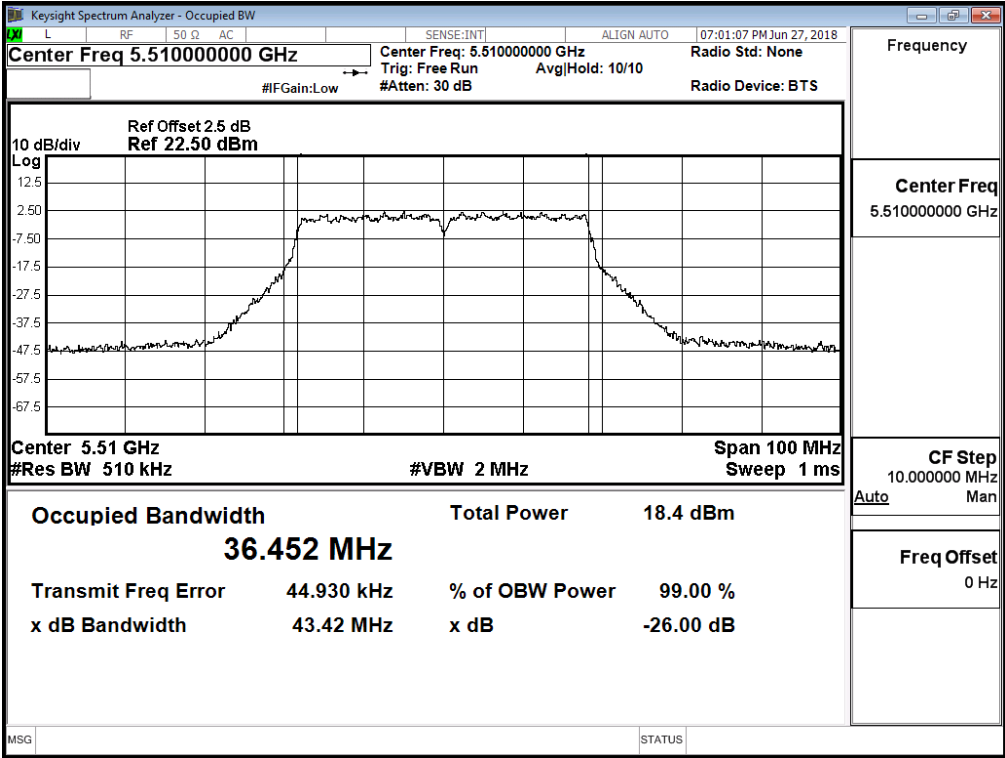
99% Bandwidth:
Channel 54 – Chain D



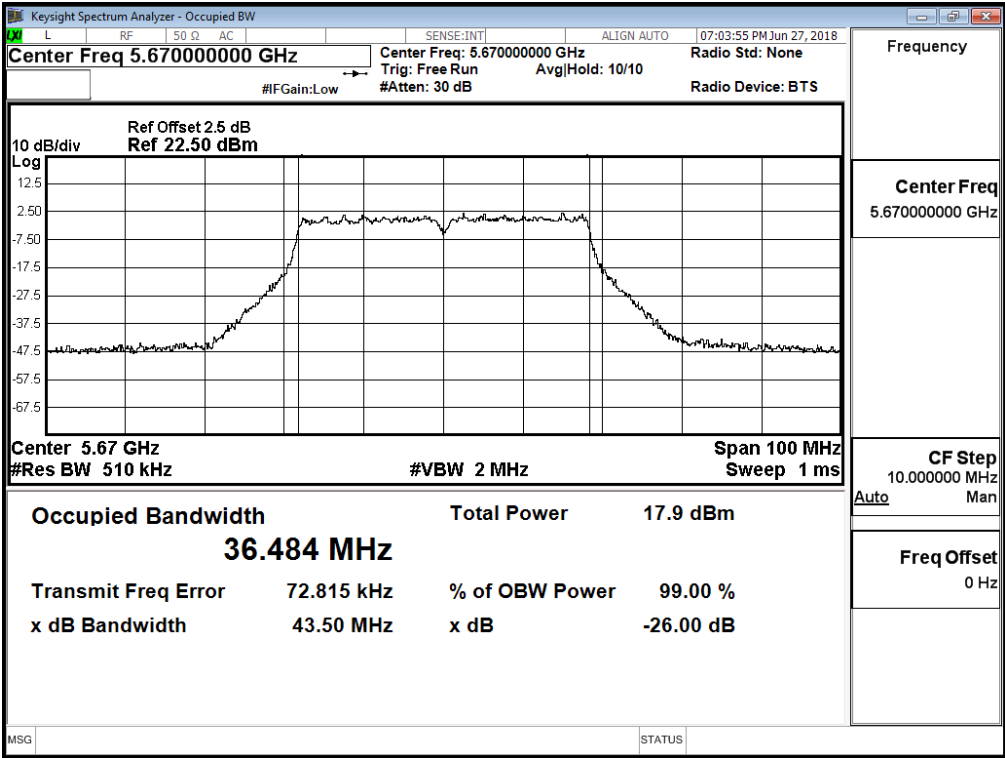
Channel 62 – Chain D



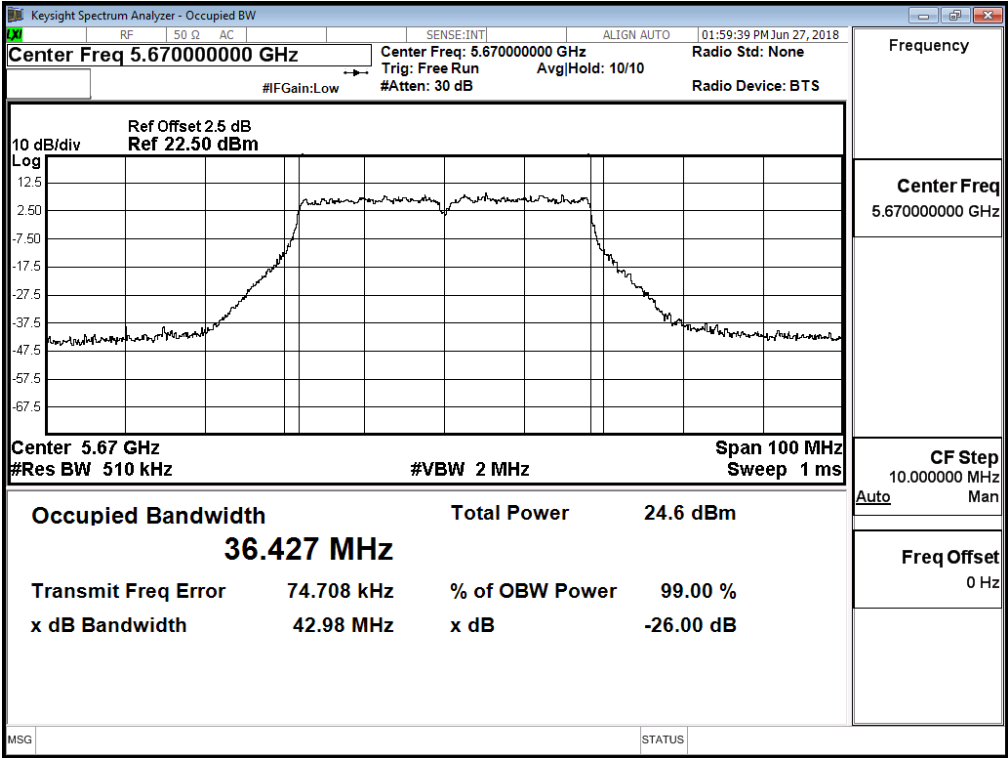
Channel 102 – Chain D



Channel 110 – Chain D



Channel 134 – Chain D



Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Maximum conducted output power
 Test Site : No.3 OATS
 Test Date : 2018/08/17
 Test Mode : Mode 4: Transmit (802.11ac-20BW-28.8Mbps) (Antenna No.18)

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	4.87	4.77	4.68	4.63	4.57	4.52	4.46	4.39	4.34	<15dBm
144 (Band4)	5720	-0.96	-1.04	-1.14	-1.22	-1.31	-1.36	-1.45	-1.52	-1.61	<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	4.91	4.84	4.75	4.68	4.63	4.53	4.47	4.39	4.34	<15dBm
144 (Band4)	5720	-0.98	-1.04	-1.1	-1.16	-1.26	-1.33	-1.41	-1.5	-1.59	<30dBm

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

Chain C

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	4.84	4.79	4.71	4.61	4.53	4.46	4.41	4.36	4.26	<15dBm
144 (Band4)	5720	-0.95	-1	-1.1	-1.16	-1.23	-1.3	-1.4	-1.46	-1.53	<30dBm

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

Chain D

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	4.89	4.81	4.73	4.67	4.58	4.53	4.45	4.37	4.27	<15dBm
144 (Band4)	5720	-0.88	-0.94	-1.03	-1.11	-1.17	-1.22	-1.27	-1.36	-1.41	<30dBm

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

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

Channel No	Frequency Range (MHz)	99% Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Output Power (dBm)	Output Power Limit		Result
								(dBm)	dBm+10log(BW)	
144(Band3)	5720	13.943	4.870	4.910	4.840	4.890	10.90	15	13.44	Pass
144(Band4)	5720	--	-0.960	-0.980	-0.950	-0.880	5.08	30	--	Pass

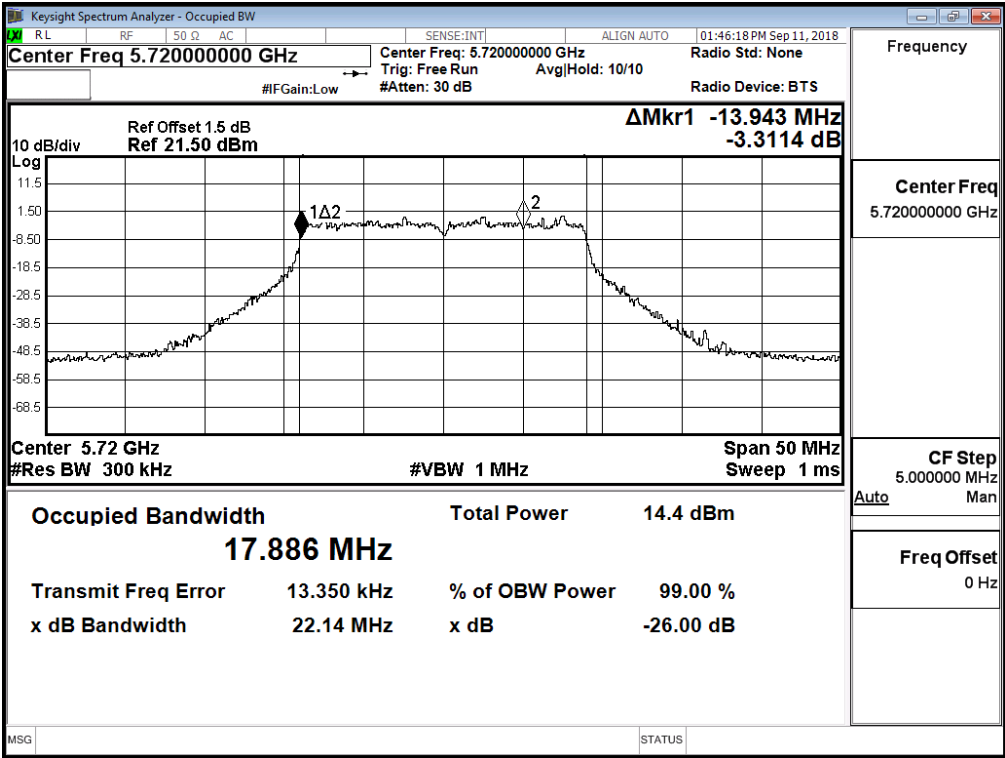
Note:

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)+Chain C(mW)+Chain D(mW))
3. 26 dB Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.
4. Band 5.725-5.85 GHz, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information

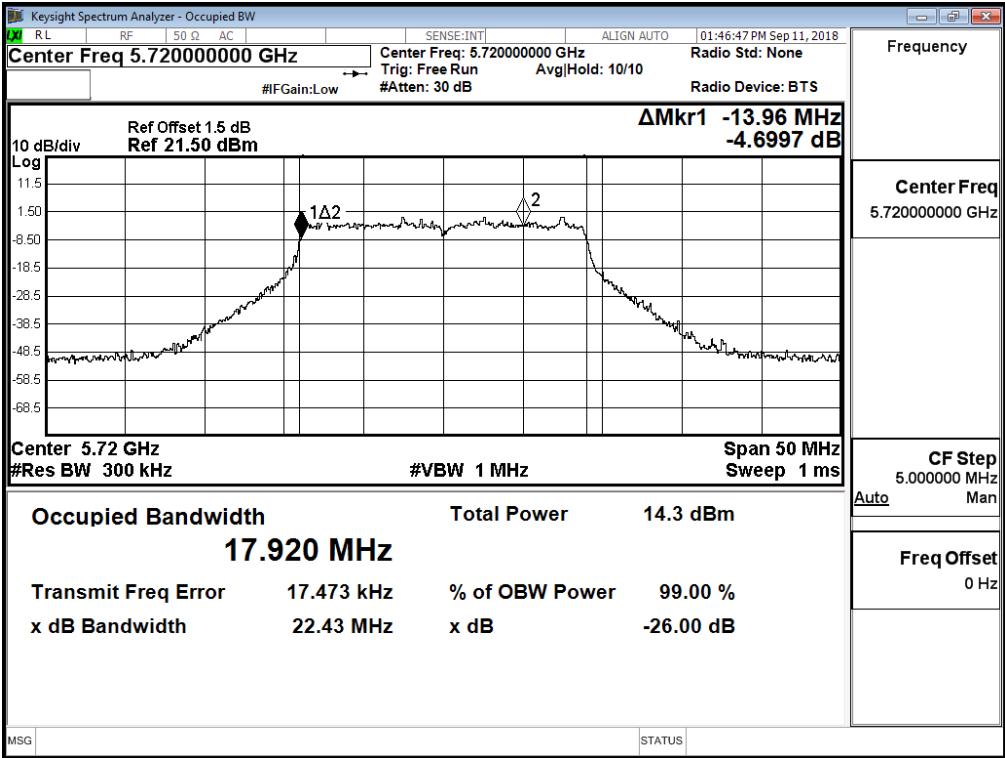
Maximum conducted output power Measurement with Transmit power Control (TPC)**(CHAIN A+ B+C+D)**

Channel No	Frequency Range (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Output Power (dBm)	Result
144(Band3)	5720	-0.350	-1.420	-1.510	-1.400	4.87	Pass

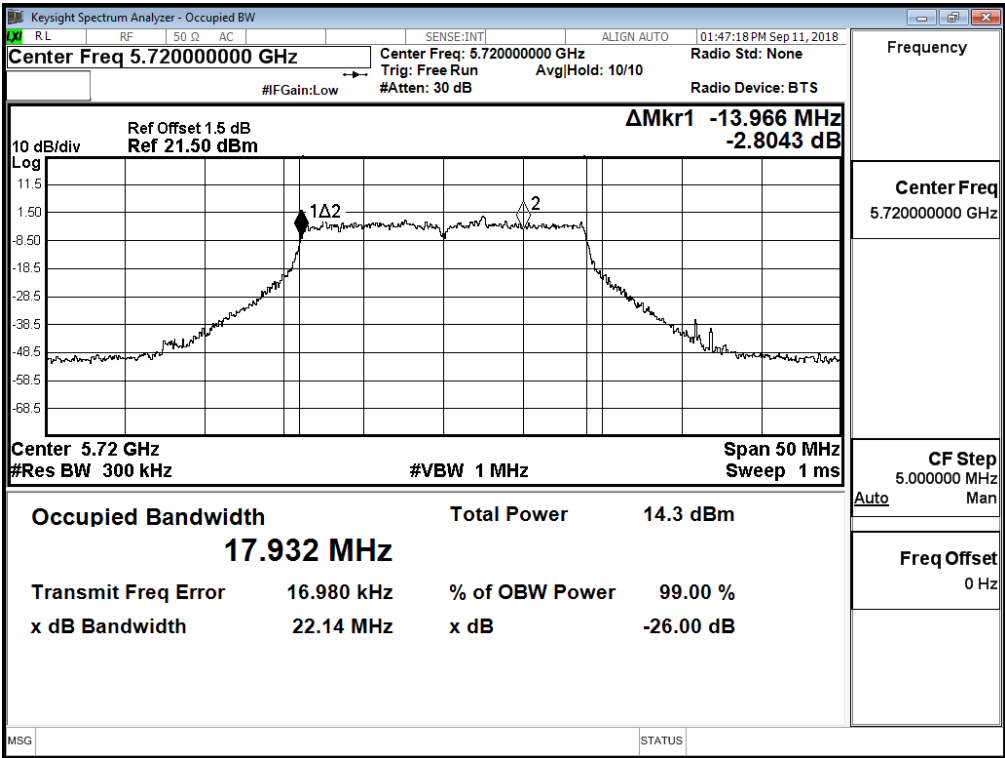
99% Bandwidth:
Channel 144 – Chain A



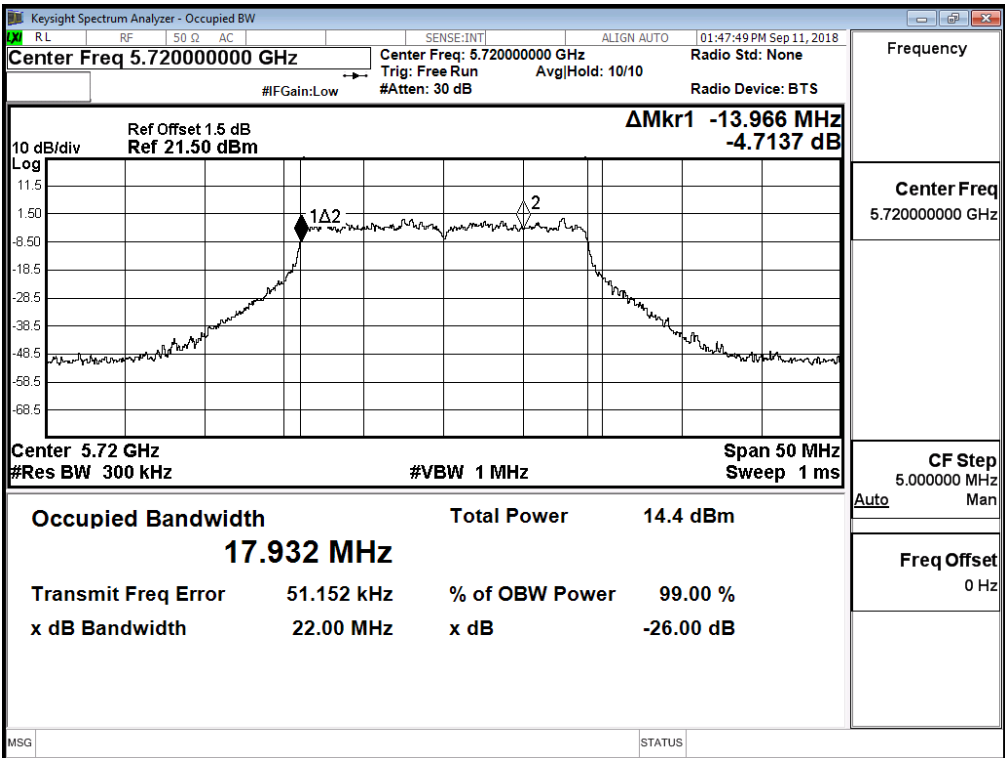
99% Bandwidth:
Channel 144 – Chain B



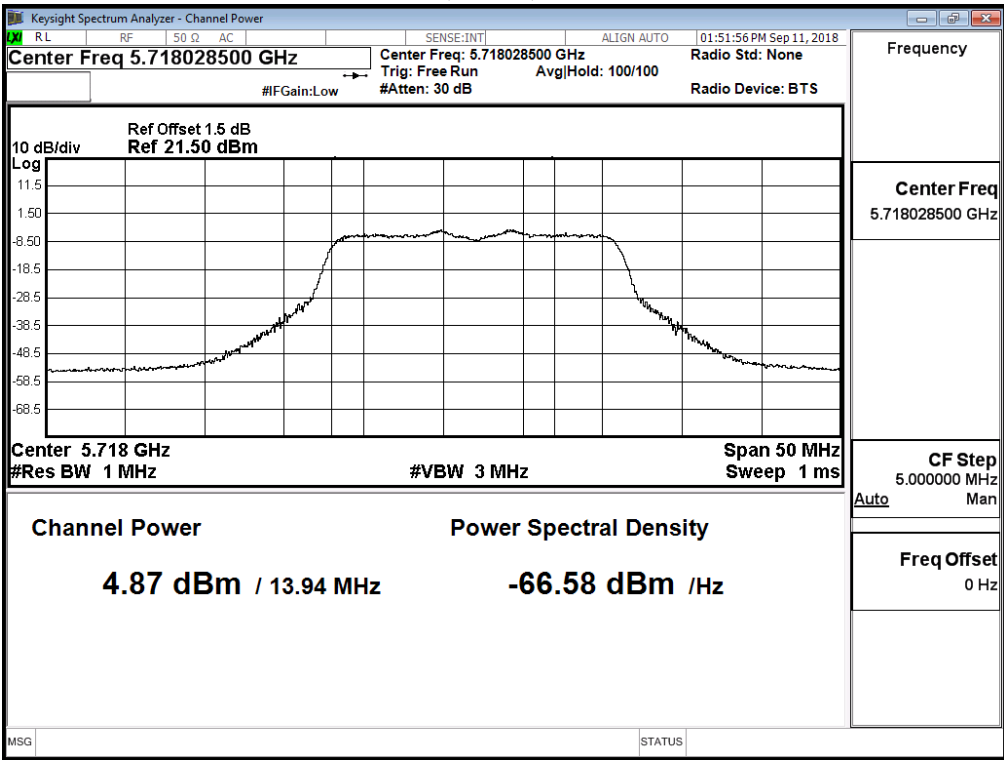
99% Bandwidth:
Channel 144 – Chain C



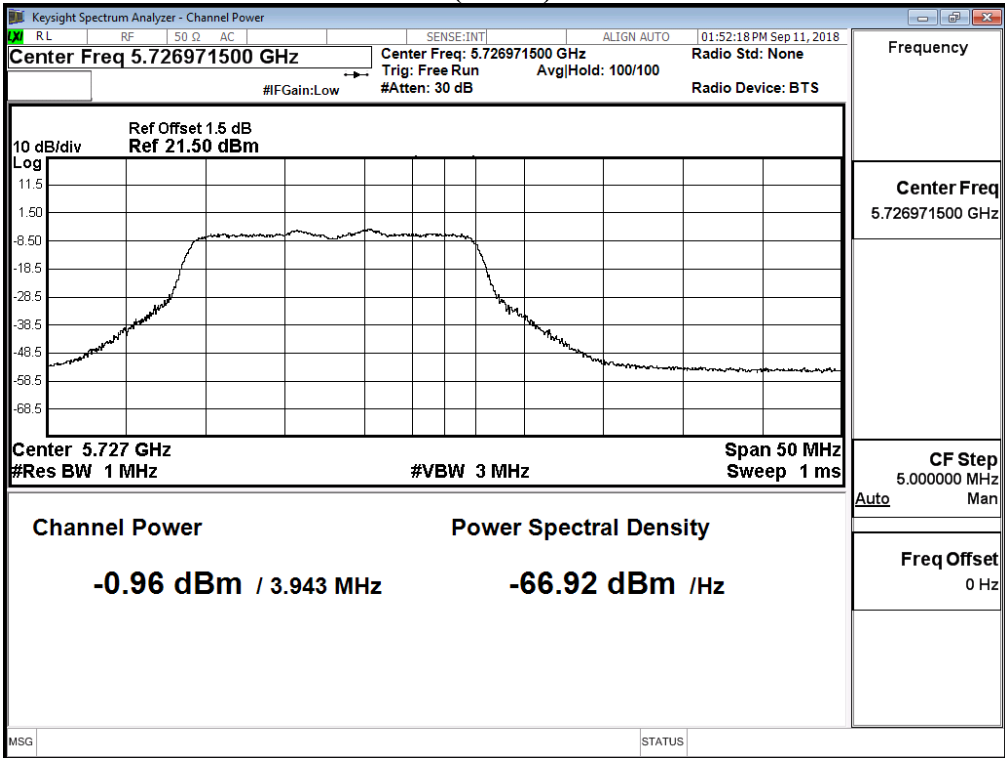
99% Bandwidth:
Channel 144 – Chain D



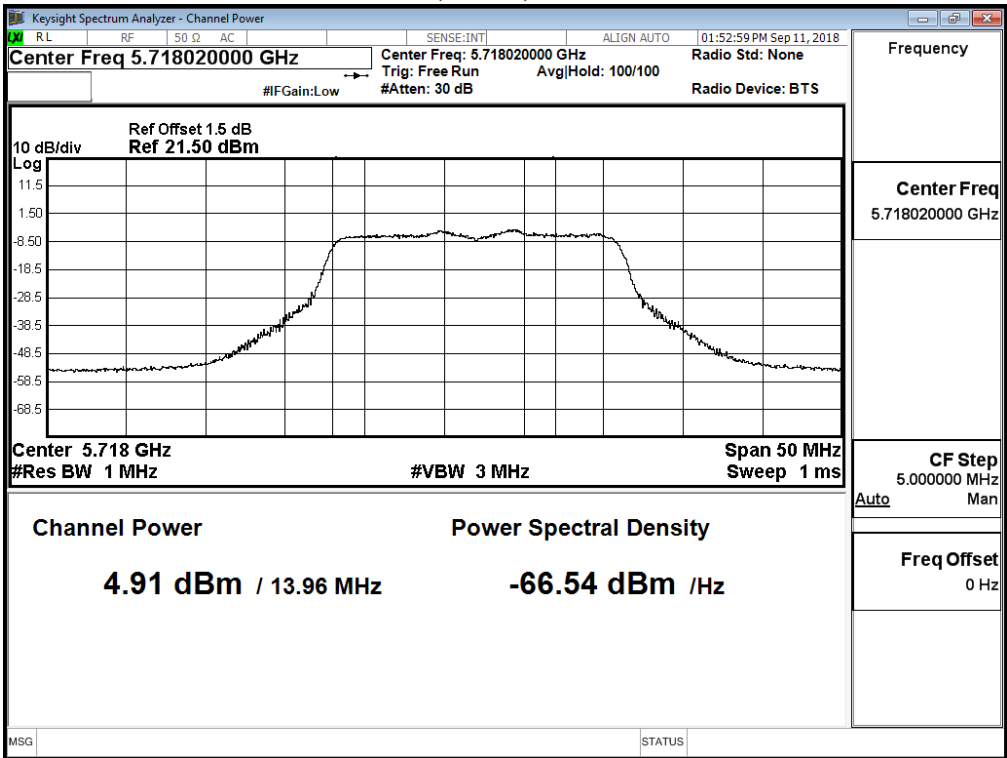
Maximum conducted output power:
Channel 144 (Band3) – Chain A



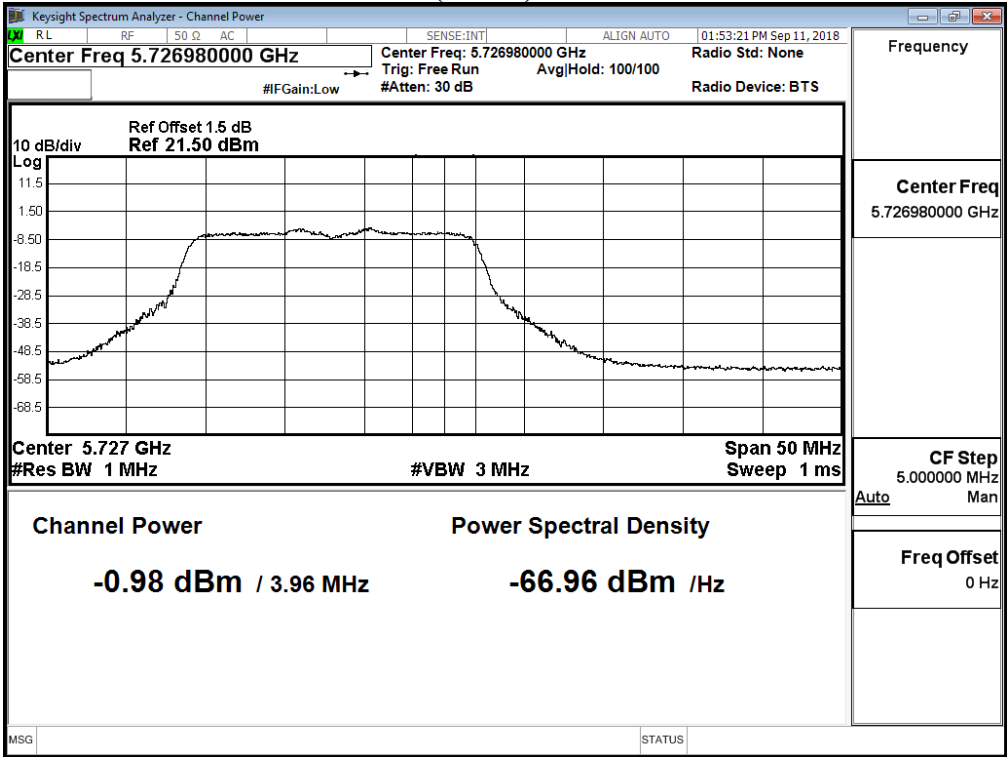
Channel 144 (Band4) – Chain A



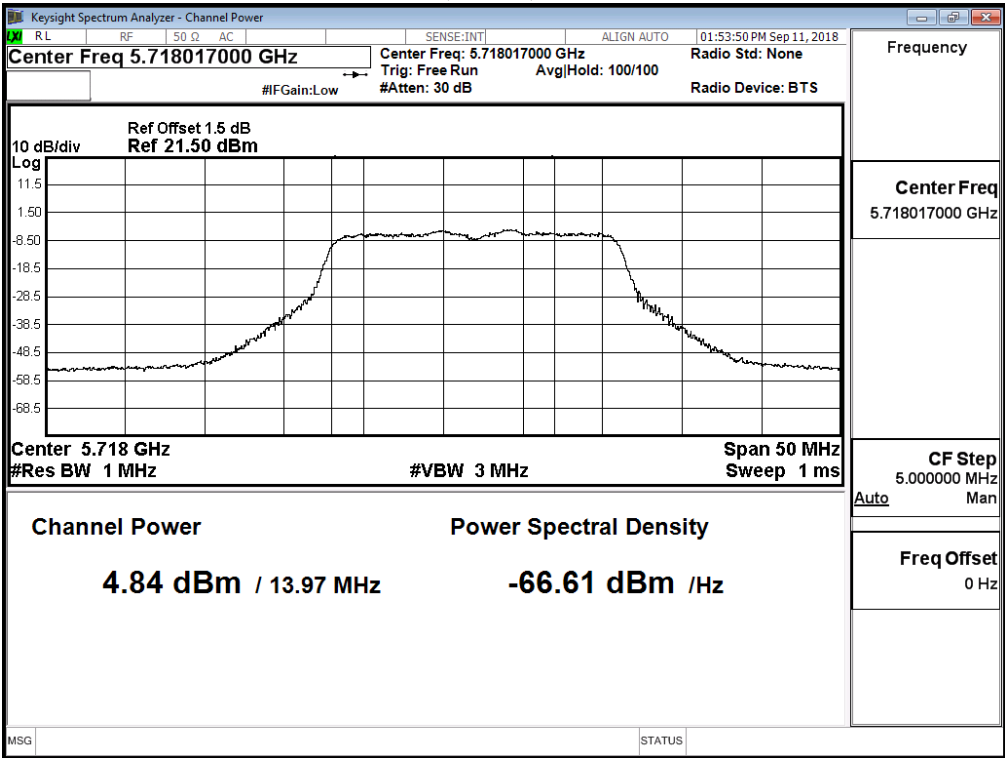
Maximum conducted output power:
Channel 144 (Band3) – Chain B



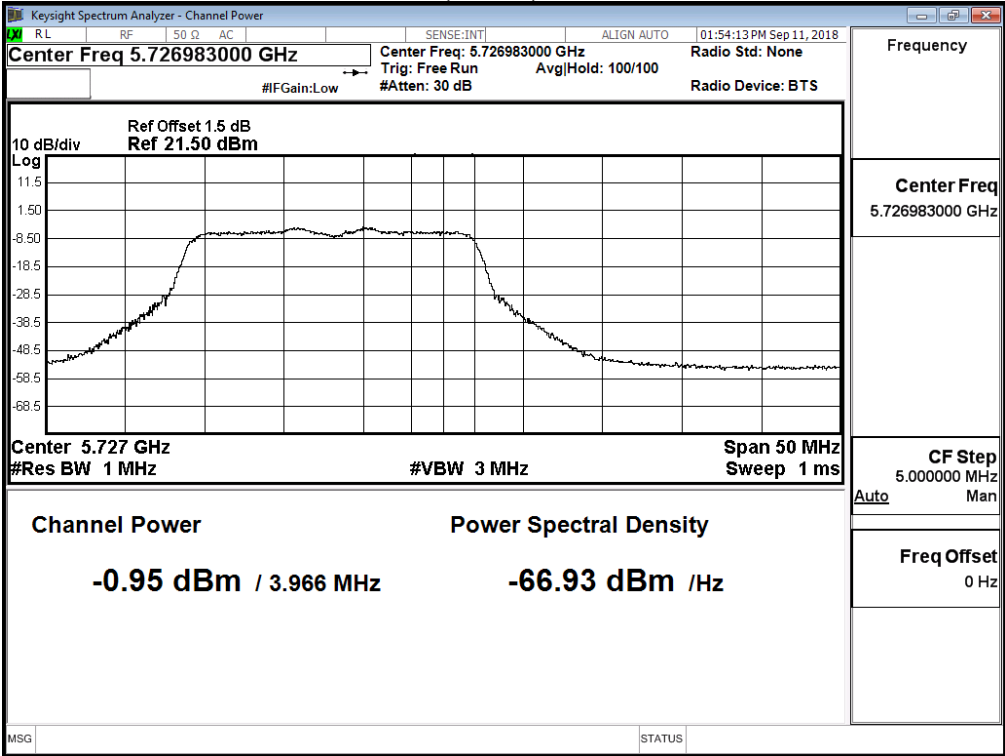
Channel 144 (Band4) – Chain B



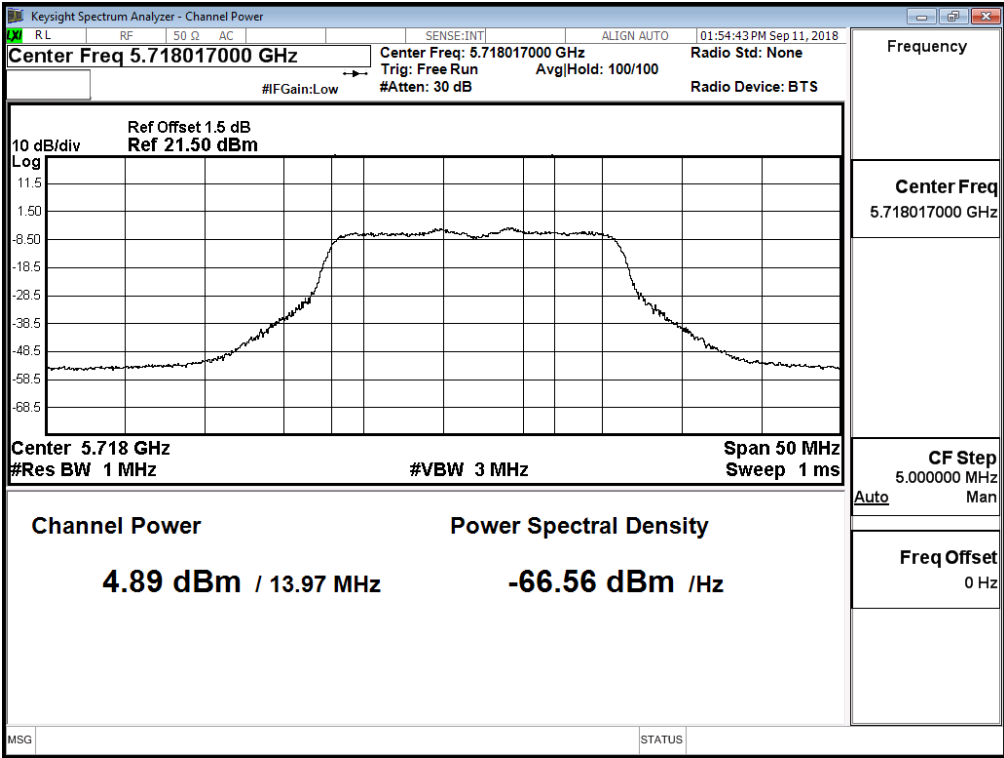
Maximum conducted output power:
Channel 144 (Band3) – Chain C



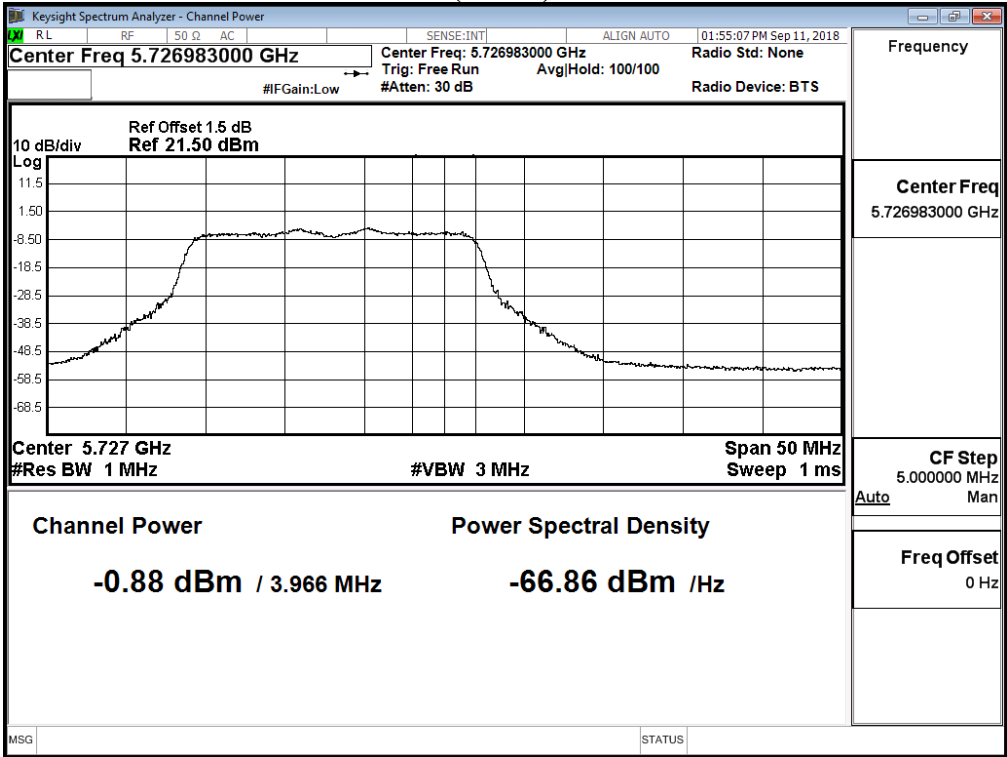
Channel 144 (Band4) – Chain C



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



Channel 144 (Band4) – Chain D



Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Maximum conducted output power
 Test Site : No.3 OATS
 Test Date : 2018/08/11
 Test Mode : Mode 5: Transmit (802.11ac-40BW-60Mbps) (Antenna No.18)

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	7.99	7.92	7.83	7.74	7.65	7.55	7.5	7.43	7.34	7.27	<15dBm
142F(Band4)	5710	-2.09	-2.19	-2.25	-2.33	-2.43	-2.5	-2.6	-2.68	-2.77	-2.86	<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	7.94	7.88	7.81	7.71	7.63	7.56	7.48	7.43	7.36	7.3	<15dBm
142F(Band4)	5710	-1.83	-1.91	-2.01	-2.07	-2.16	-2.23	-2.29	-2.36	-2.45	-2.55	<30dBm

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

Chain C

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	7.89	7.83	7.74	7.69	7.6	7.55	7.47	7.37	7.31	7.26	<15dBm
142F(Band4)	5710	-1.96	-2.05	-2.11	-2.17	-2.23	-2.29	-2.37	-2.43	-2.48	-2.58	<30dBm

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

Chain D

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	7.83	7.76	7.7	7.63	7.54	7.47	7.39	7.32	7.26	<15dBm
142F(Band4)	5710	-2.04	-2.13	-2.2	-2.26	-2.35	-2.4	-2.48	-2.53	-2.62	-2.67	<30dBm

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

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

Channel No	Frequency Range (MHz)	99% Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Output Power (dBm)	Output Power Limit		Result
								(dBm)	dBm+10log(BW)	
142F(Band3)	5710	33.241	7.990	7.940	7.89	7.93	13.96	15	17.22	Pass
142F(Band4)	5710	--	-2.090	-1.830	-1.96	-2.04	4.04	30	--	Pass

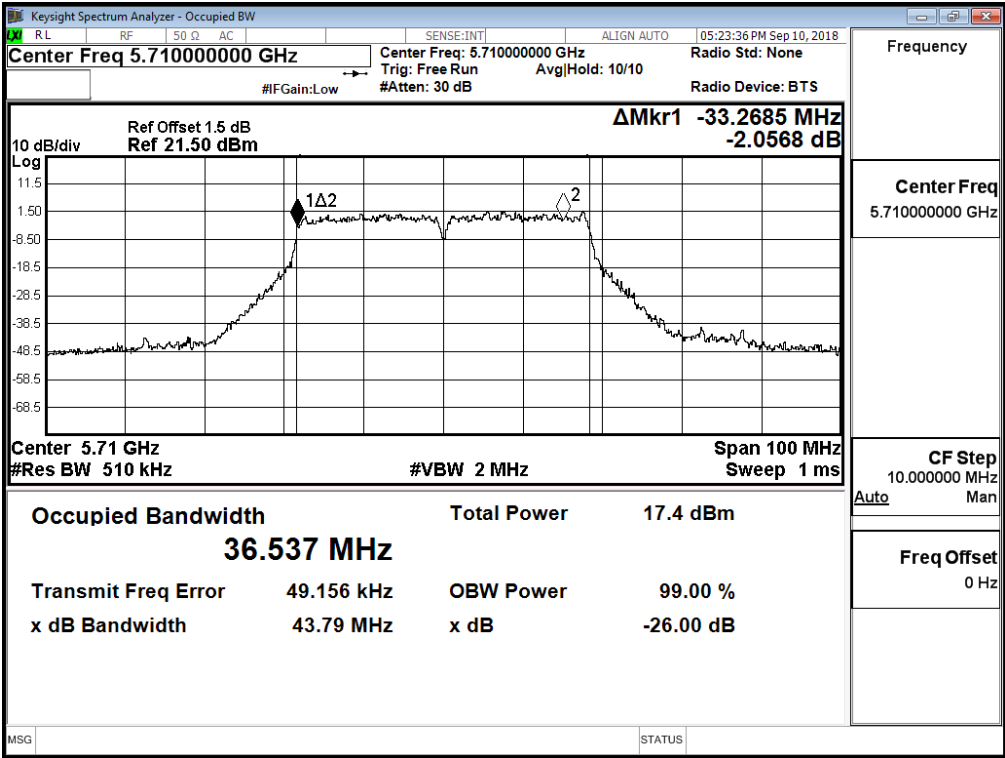
Note:

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)+Chain C(mW)+Chain D(mW))
3. 26 dB Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.
4. Band 5.725-5.85 GHz, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information

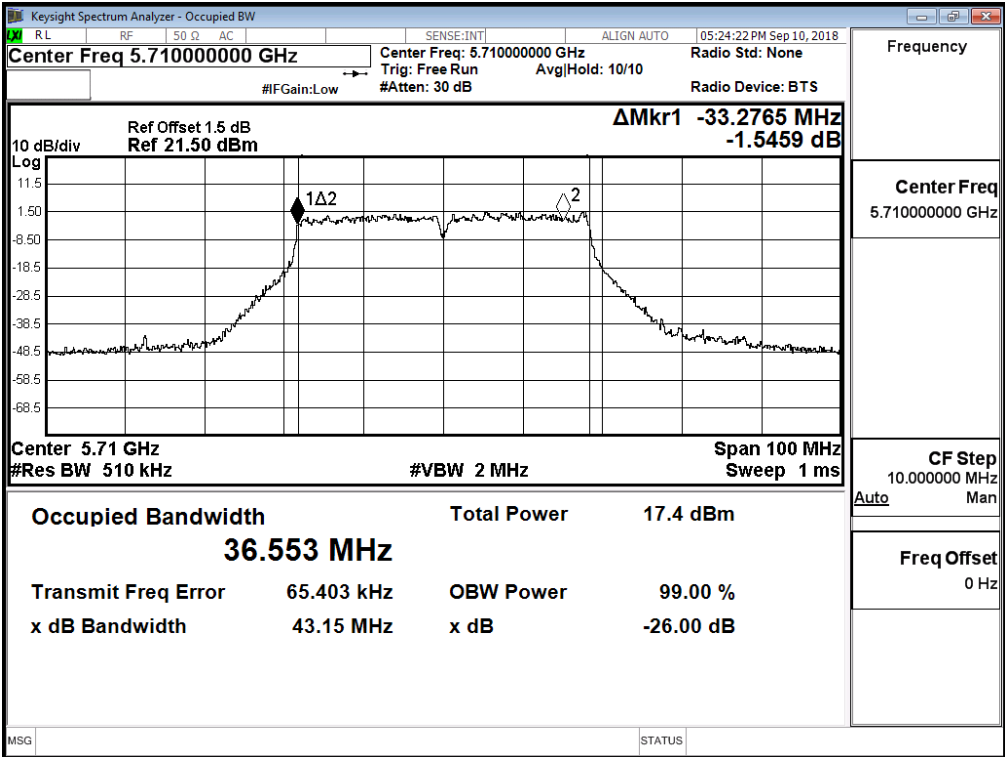
Maximum conducted output power Measurement with Transmit power Control (TPC)**(CHAIN A+ B+C+D)**

Channel No	Frequency Range (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Output Power (dBm)	Result
142(Band3)	5710	1.800	1.710	1.76	1.71	7.77	Pass

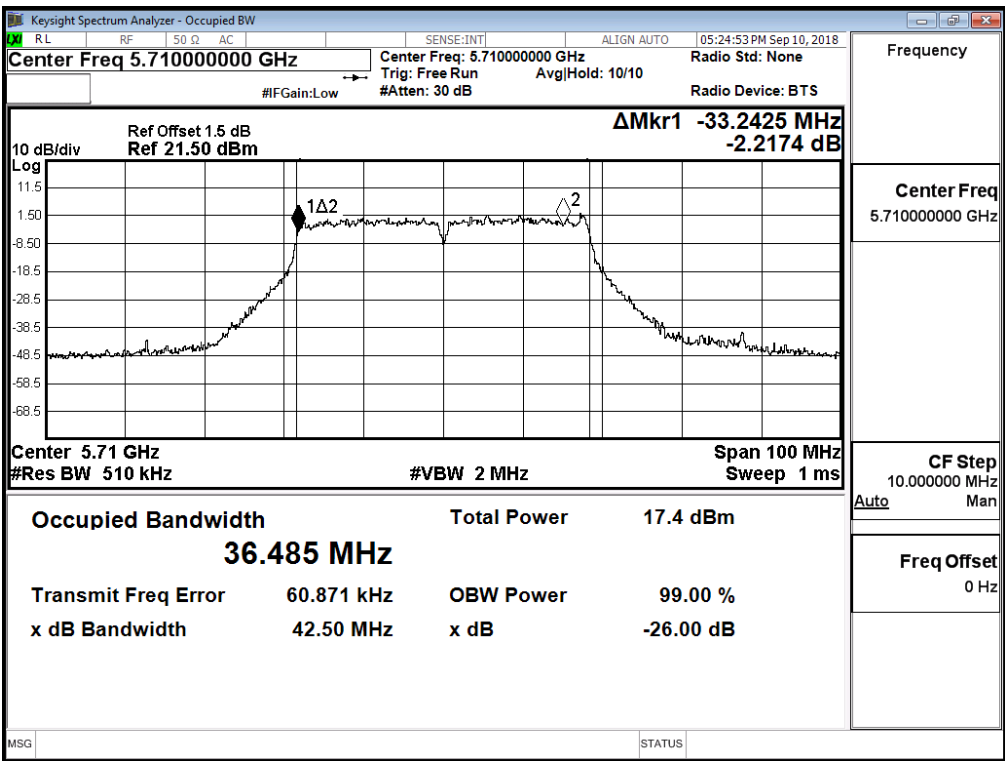
99% Bandwidth:
Channel 142 – Chain A



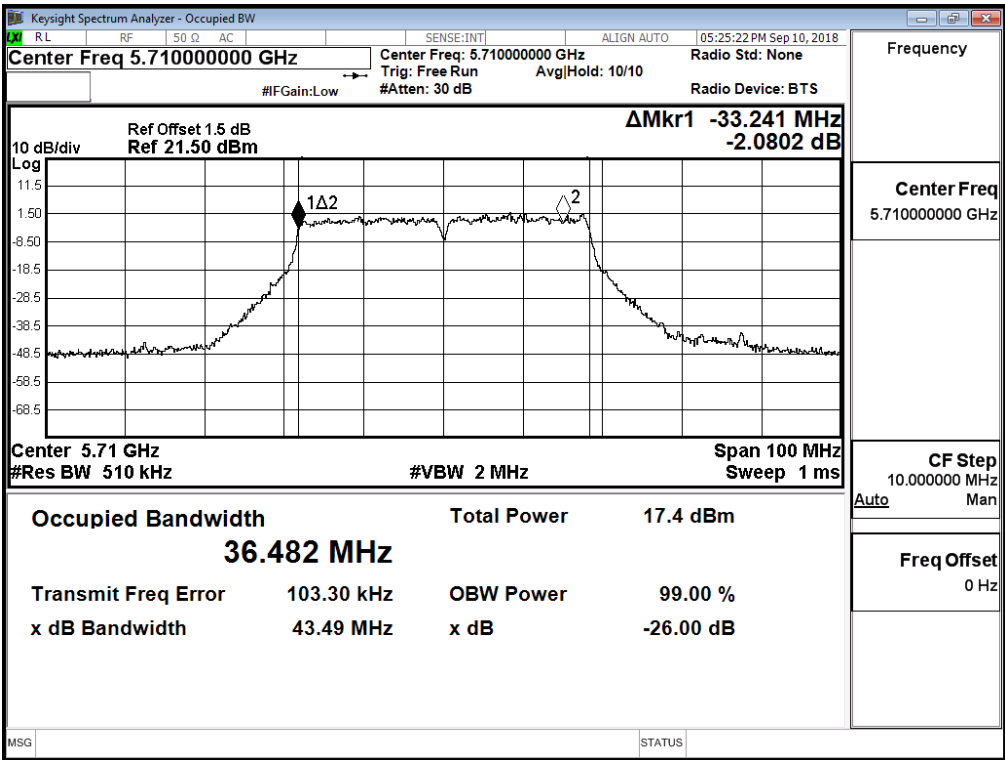
99% Bandwidth:
Channel 142 – Chain B

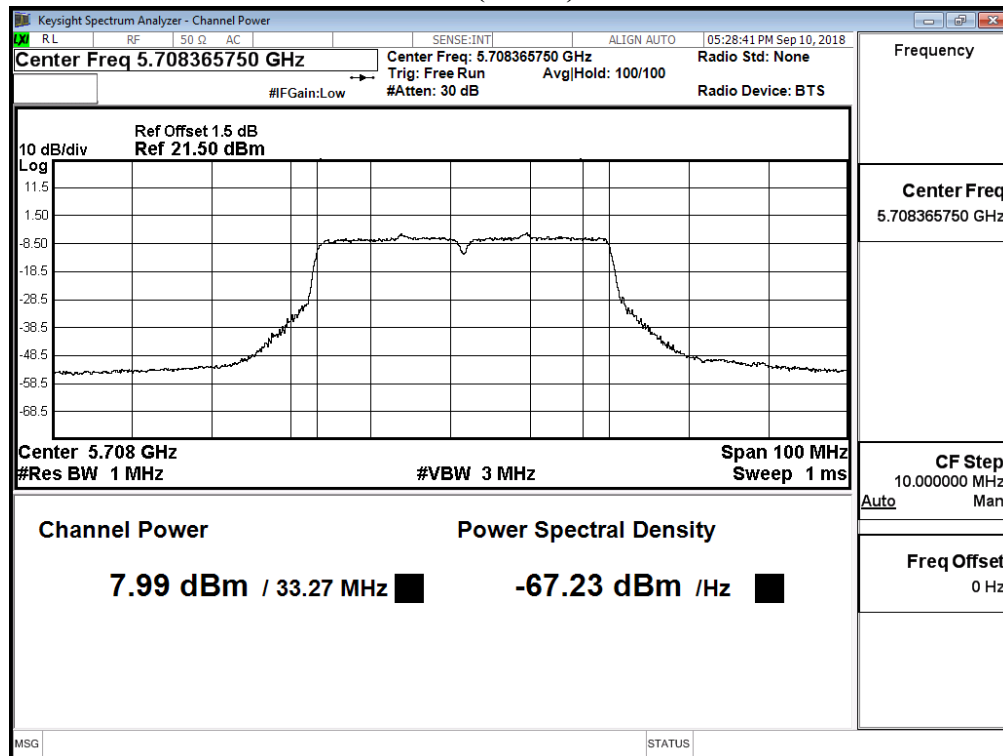
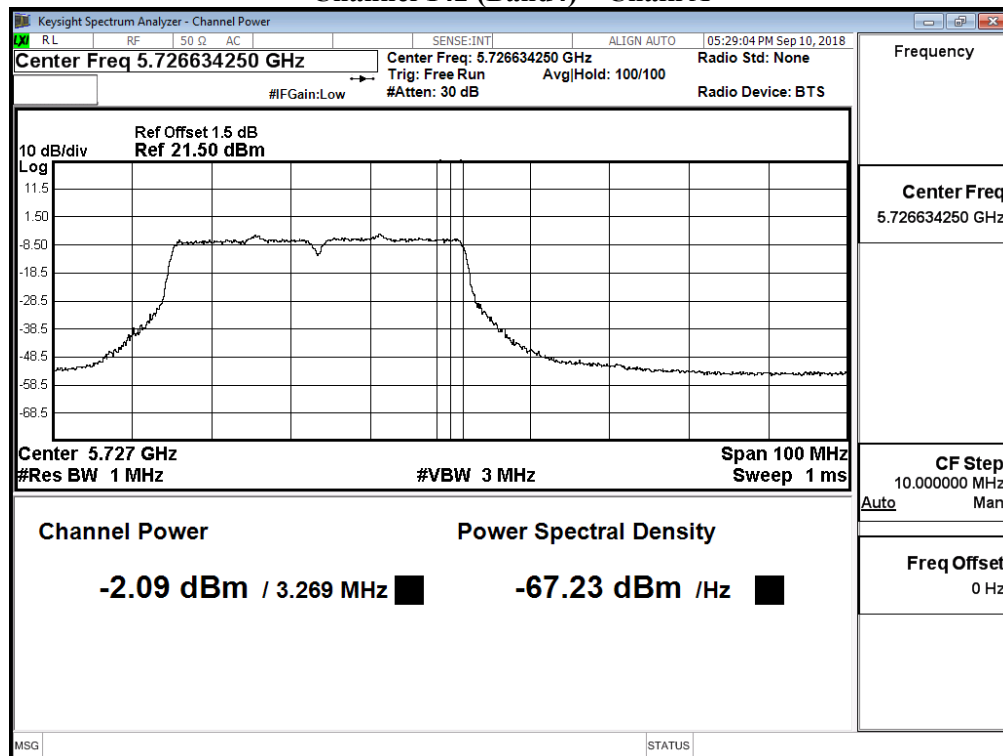


99% Bandwidth:
Channel 142 – Chain C

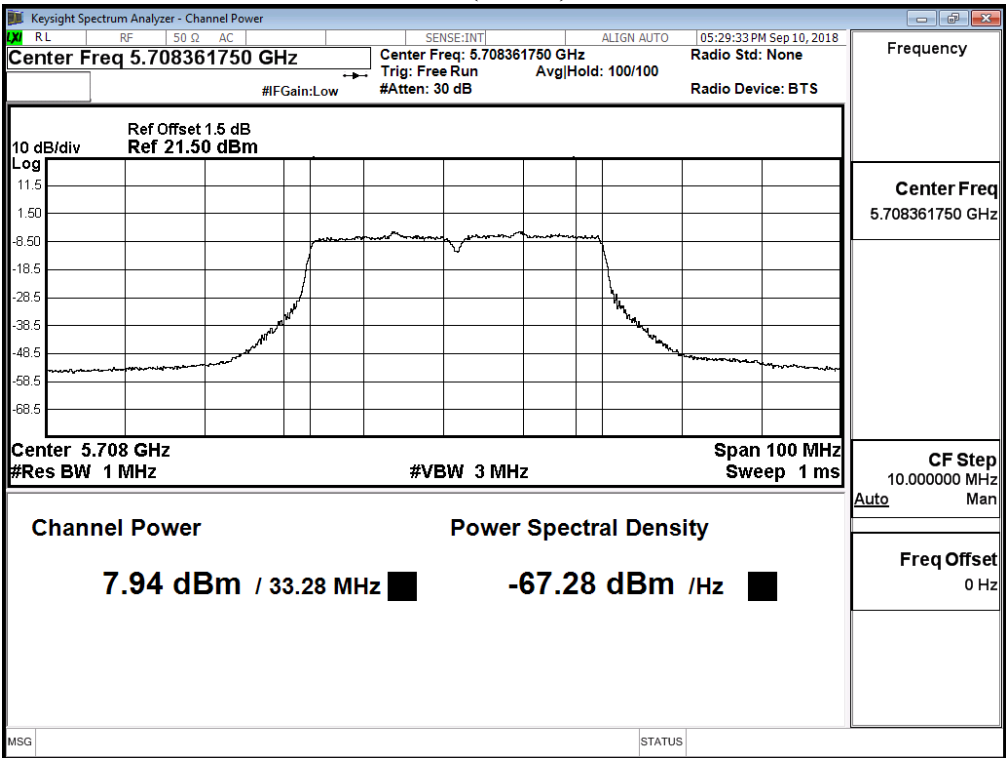


99% Bandwidth:
Channel 142 – Chain D

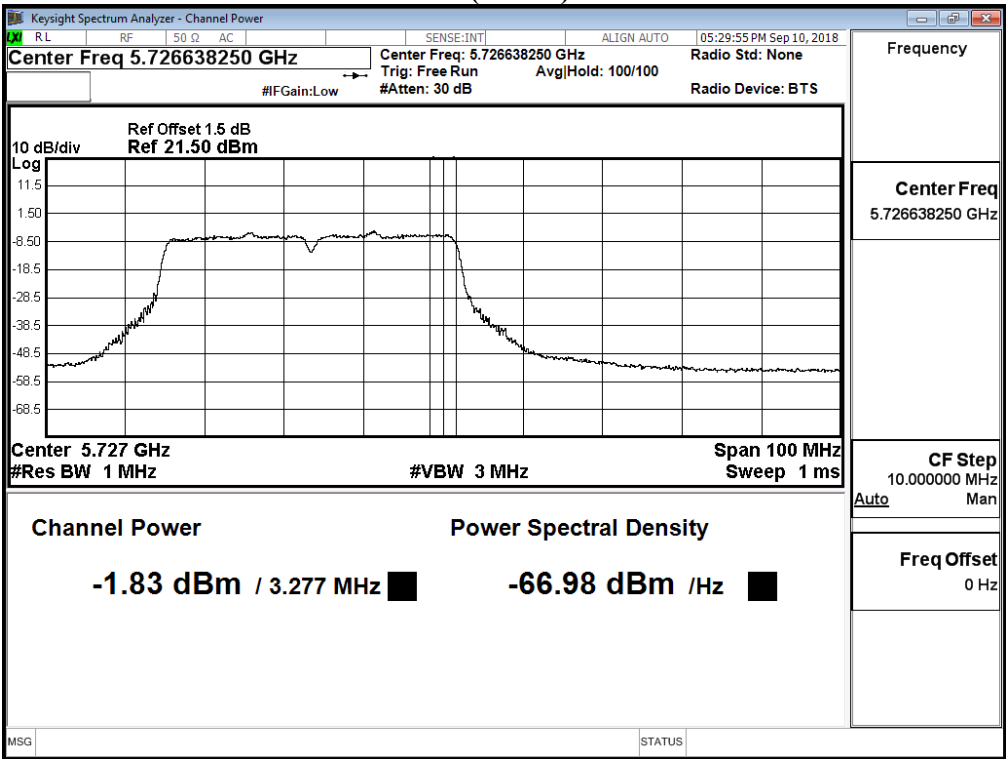


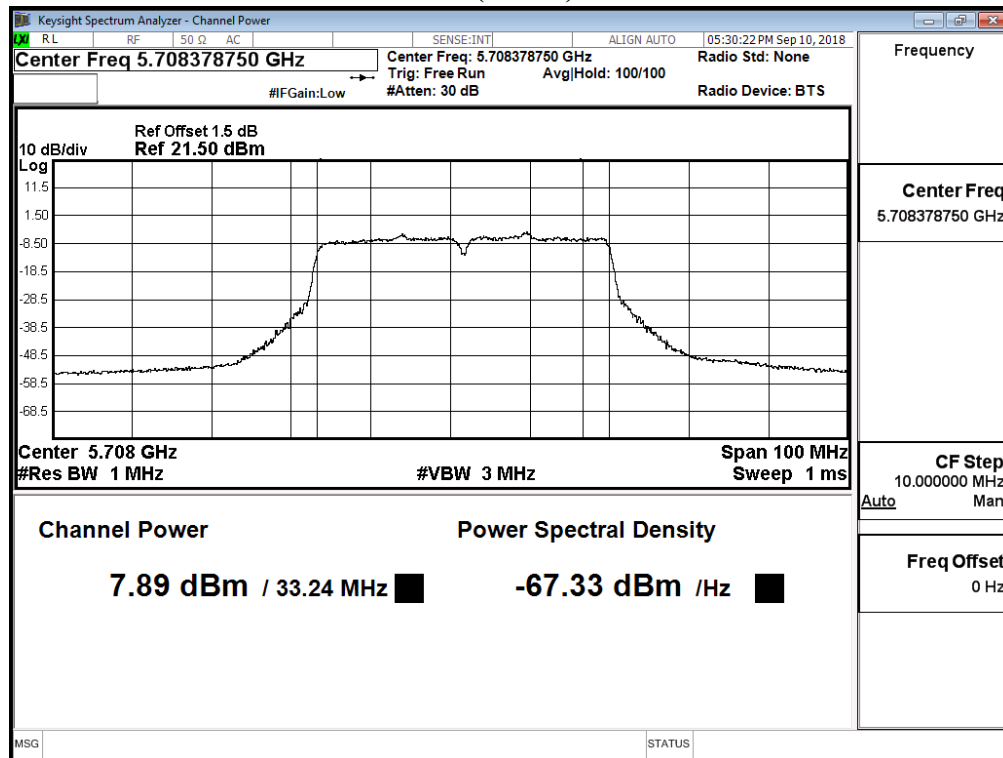
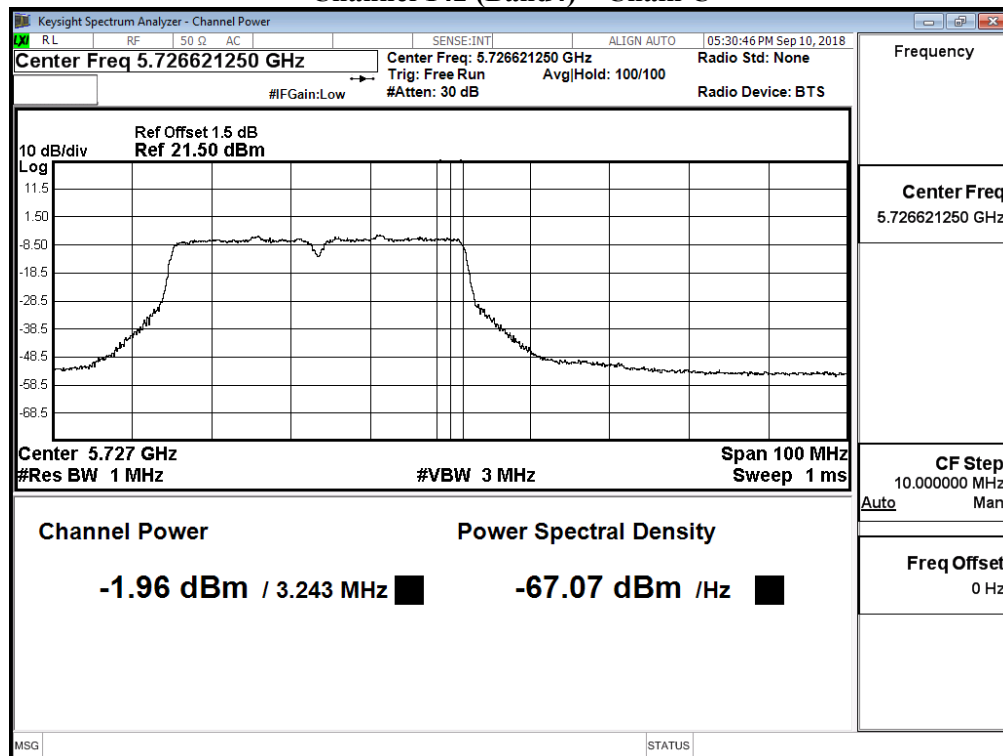
Maximum conducted output power:**Channel 142 (Band3) – Chain A****Channel 142 (Band4) – Chain A**

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

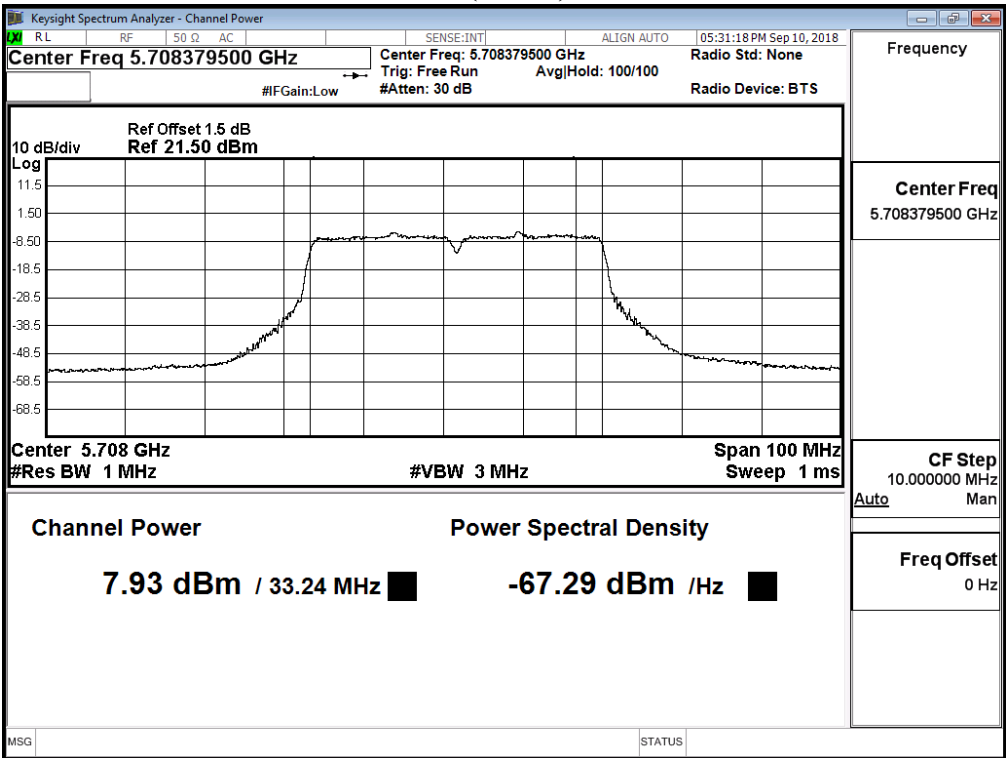


Channel 142 (Band4) – Chain B

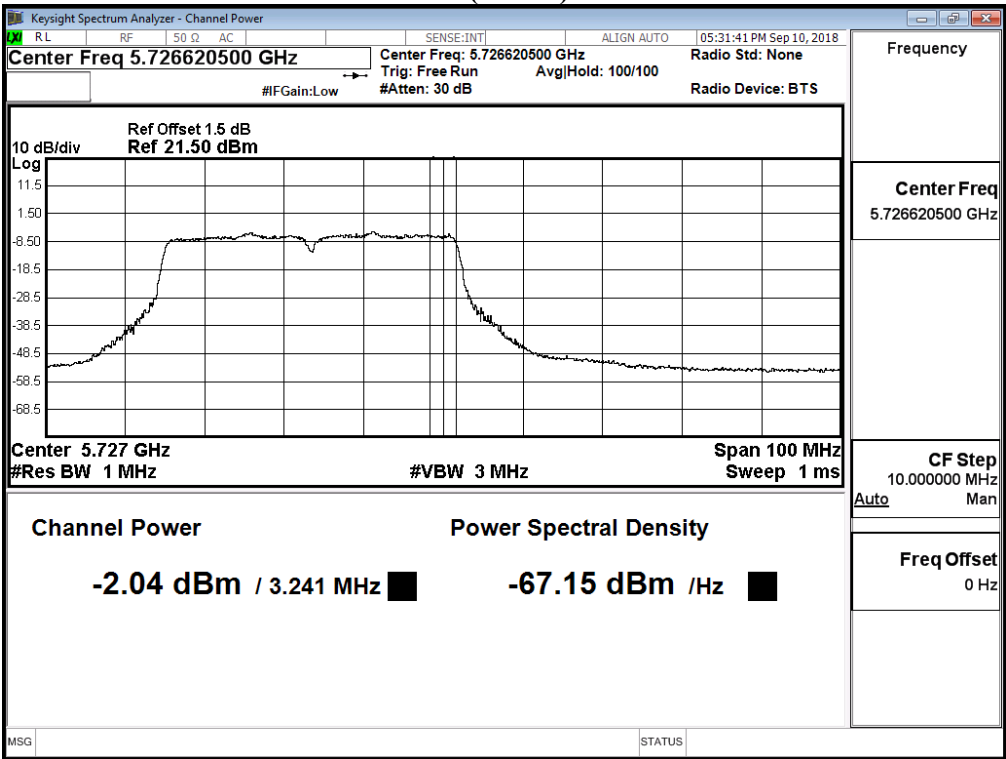


Maximum conducted output power:**Channel 142 (Band3) – Chain C****Channel 142 (Band4) – Chain C**

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



Channel 142 (Band4) – Chain D



Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Maximum conducted output power
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (Antenna No.18)

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	5.85	5.75	5.66	5.56	5.46	5.37	5.27	5.17	5.08	4.99	<15dBm
58	5290	4.91	4.86	4.8	4.75	4.68	4.61	4.51	4.44	4.34	4.28	<15dBm
106	5530	6.91	--	--	--	--	--	--	--	--	--	<15dBm
122	5610	7.89	7.79	7.74	7.64	7.54	7.47	7.40	7.35	7.28	7.20	<15dBm
138(Band3)	5690	7.38	--	--	--	--	--	--	--	--	--	<15dBm
138(Band4)	5690	-5.77	--	--	--	--	--	--	--	--	--	<30dBm
155	5775	16.32	16.27	16.21	16.12	16.04	15.99	15.90	15.85	15.78	15.69	<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	6.61	6.51	6.43	6.37	6.29	6.23	6.15	6.06	5.98	5.92	<15dBm
58	5290	5.89	5.81	5.74	5.65	5.56	5.47	5.42	5.37	5.28	5.20	<15dBm
106	5530	7.83	--	--	--	--	--	--	--	--	--	<15dBm
122	5610	8.51	8.45	8.36	8.30	8.20	8.13	8.08	8.03	7.95	7.87	<15dBm
138(Band3)	5690	9.83	--	--	--	--	--	--	--	--	--	<15dBm
138(Band4)	5690	-2.36	--	--	--	--	--	--	--	--	--	<30dBm
155	5775	16.81	16.75	16.66	16.60	16.52	16.46	16.36	16.29	16.22	16.17	<30dBm

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

Chain C

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	7.04	6.95	6.86	6.79	6.70	6.63	6.58	6.53	6.43	6.34	<15dBm
58	5290	6.21	6.11	6.03	5.98	5.90	5.84	5.78	5.70	5.62	5.56	<15dBm
106	5530	8.03	--	--	--	--	--	--	--	--	--	<15dBm
122	5610	8.92	8.84	8.76	8.71	8.61	8.54	8.47	8.42	8.33	8.28	<15dBm
138(Band3)	5690	7.28	--	--	--	--	--	--	--	--	--	<15dBm
138(Band4)	5690	-6.56	--	--	--	--	--	--	--	--	--	<30dBm
155	5775	16.75	16.66	16.57	16.52	16.43	16.37	16.30	16.21	16.11	16.06	<30dBm

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

Chain D

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	5.67	5.57	5.5	5.45	5.39	5.34	5.27	5.21	5.12	5.03	<15dBm
58	5290	4.91	4.85	4.8	4.72	4.63	4.57	4.48	4.38	4.28	4.22	<15dBm
106	5530	7.68	--	--	--	--	--	--	--	--	--	<15dBm
122	5610	8.57	8.48	8.38	8.31	8.24	8.19	8.09	8.04	7.97	7.87	<15dBm
138(Band3)	5690	9.73	--	--	--	--	--	--	--	--	--	<15dBm
138(Band4)	5690	-3.96	--	--	--	--	--	--	--	--	--	<30dBm
155	5775	16.77	16.67	16.6	16.54	16.48	16.40	16.34	16.27	16.21	16.16	<30dBm

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

Maximum conducted output power Measurement

(CHAIN A+ B+C+D)

Channel No	Frequency Range (MHz)	99% Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Output Power (dBm)	Output Power Limit		Result
								(dBm)	dBm+10log(BW)	
42	5210	--	5.850	6.610	7.040	5.670	12.35	15	--	Pass
58	5290	75.676	4.910	5.890	6.210	4.910	11.54	15	20.79	Pass
106	5530	75.673	6.910	7.830	8.030	7.680	13.65	15	20.79	Pass
122	5610	75.799	7.890	8.510	8.920	8.570	14.51	15	20.80	Pass
138	5690	72.845	7.380	9.830	7.280	9.730	14.75	15	20.62	Pass
138ac80(Band4)	5690	2.845	-5.770	-2.360	-6.560	-3.960	1.67	30	15.54	Pass
155	5775	--	16.320	16.810	16.750	16.770	22.69	30	--	Pass

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)+Chain C(mW)+Chain D(mW))
3. 26 dB Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.
4. Band 5.725-5.85 GHz, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information

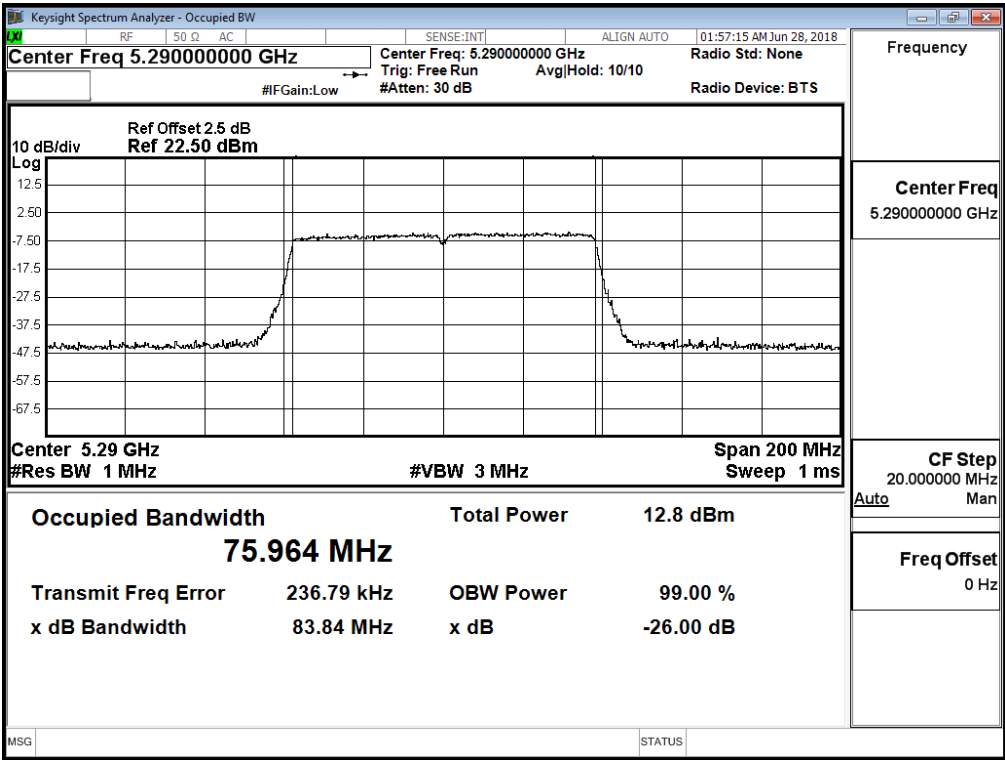
Maximum conducted output power Measurement with Transmit power Control (TPC)

(CHAIN A+ B+C+D)

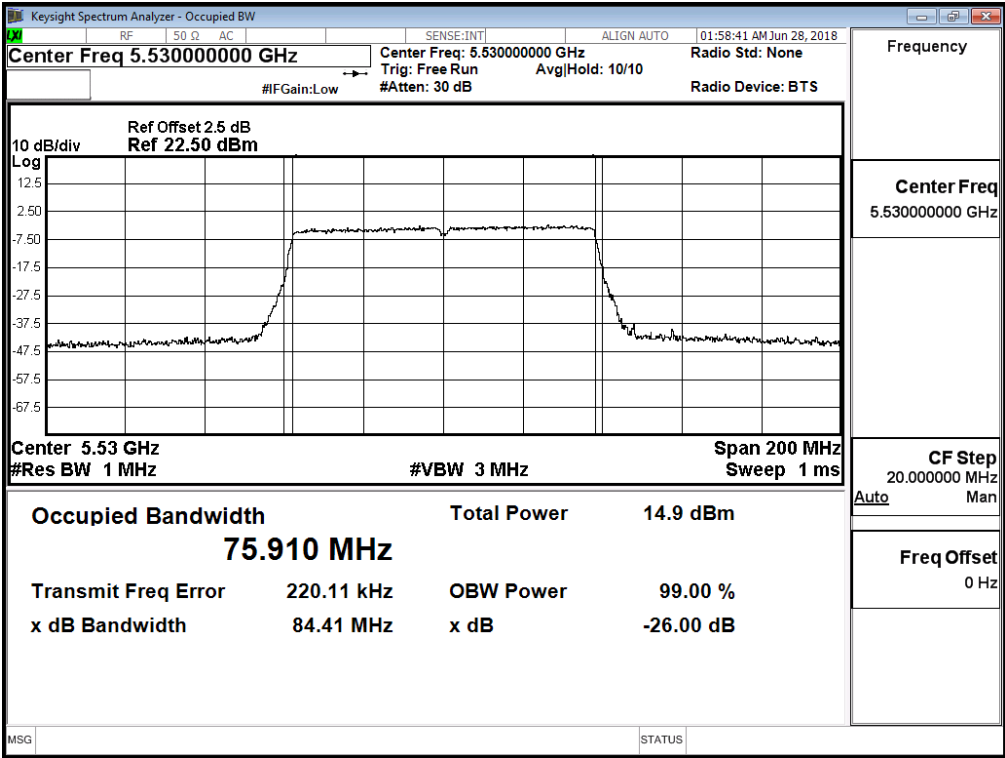
Channel No	Frequency Range (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Output Power (dBm)	Result
58	5290	-1.190	-0.240	-0.070	-1.370	5.34	Pass
106	5530	0.580	1.610	1.700	1.450	7.38	Pass
122	5610	1.570	2.280	2.790	2.240	8.26	Pass
138	5690	1.000	3.540	1.150	3.350	8.44	Pass

99% Bandwidth:

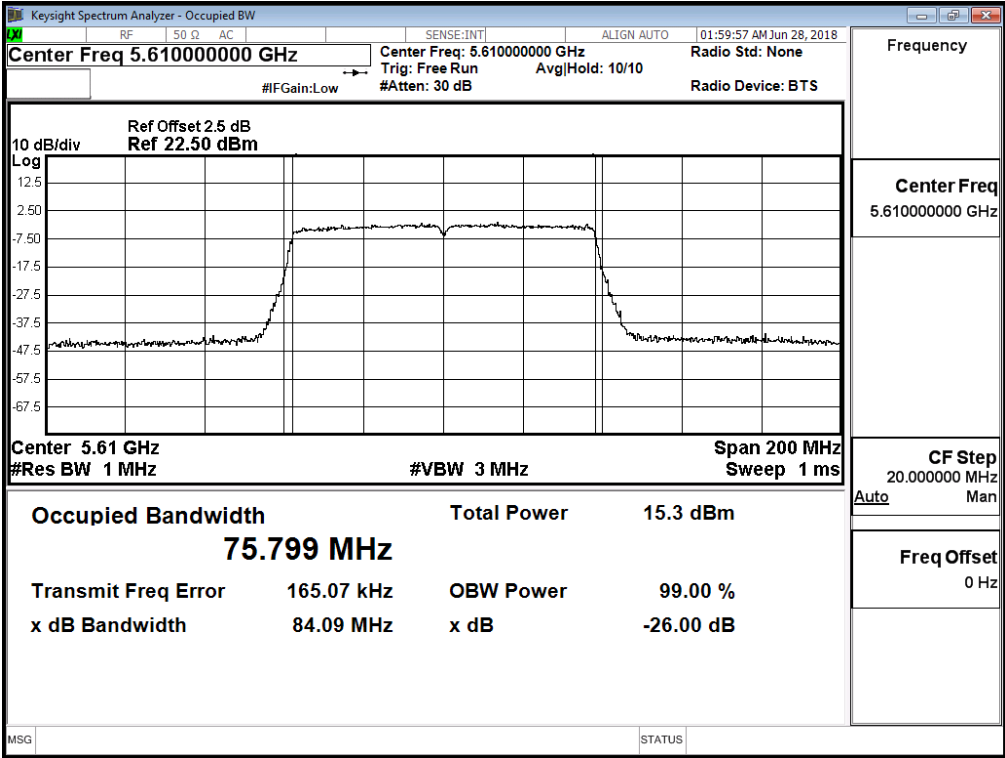
Channel 58 – Chain A



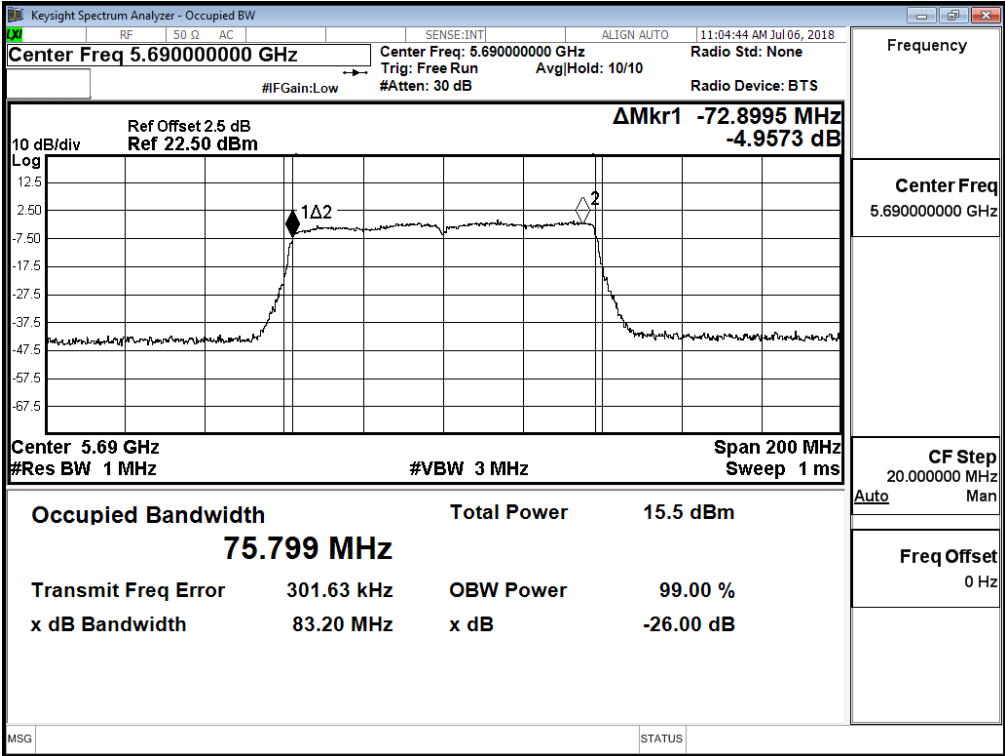
Channel 106 – Chain A



Channel 122 – Chain A

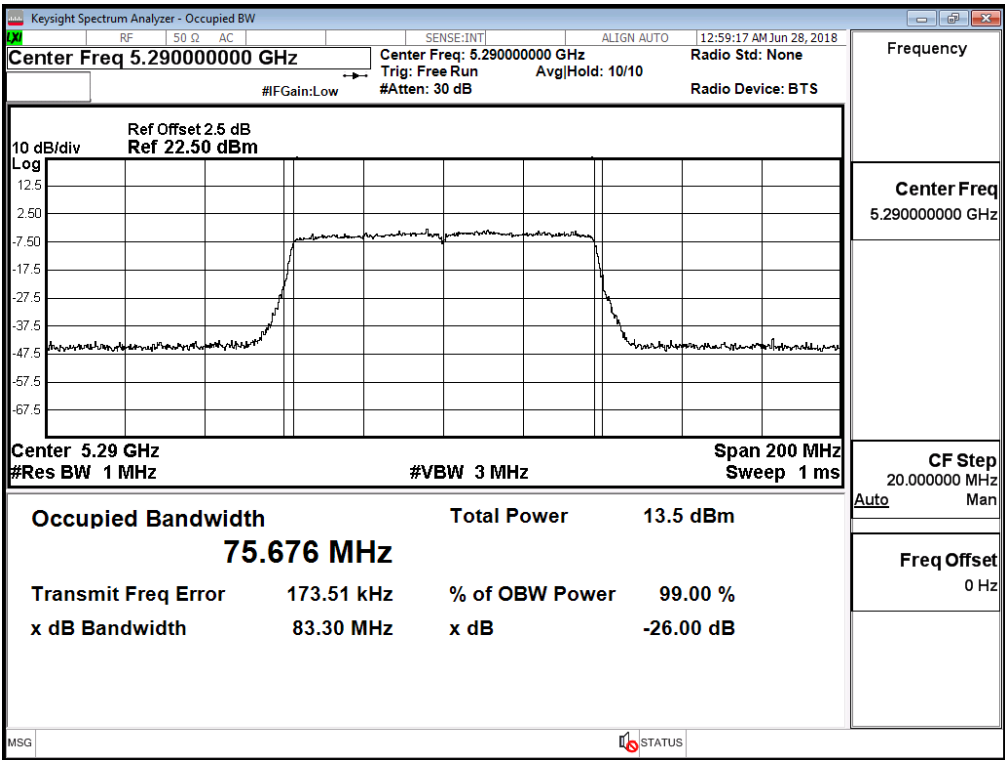


Channel 138 – Chain A

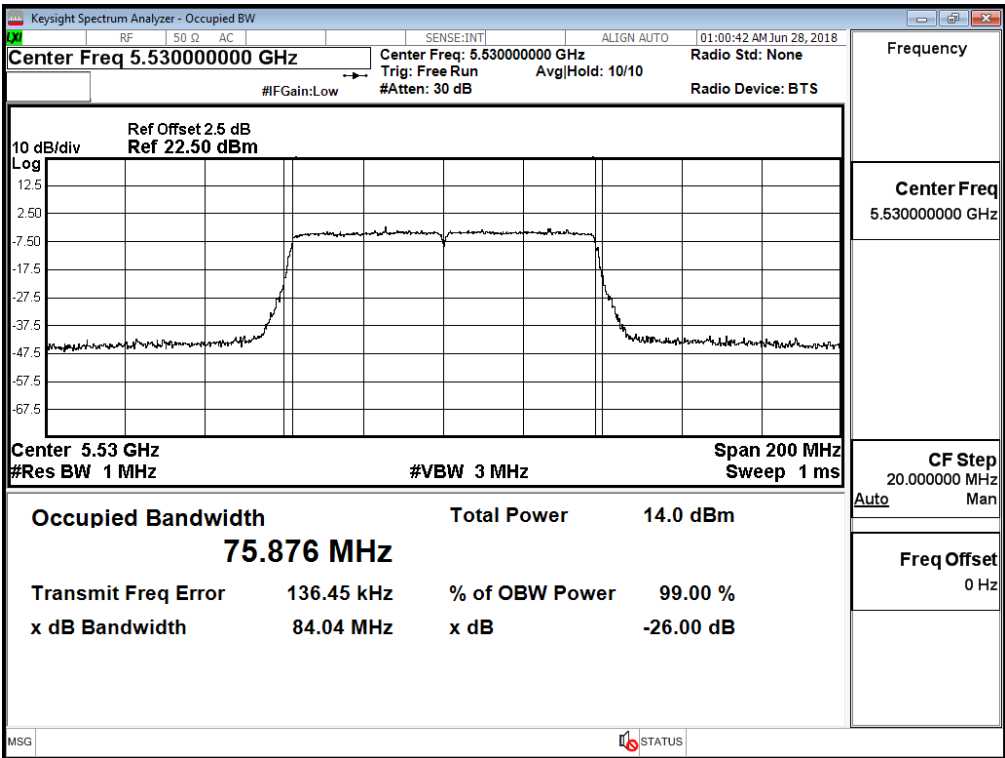


99% Bandwidth:

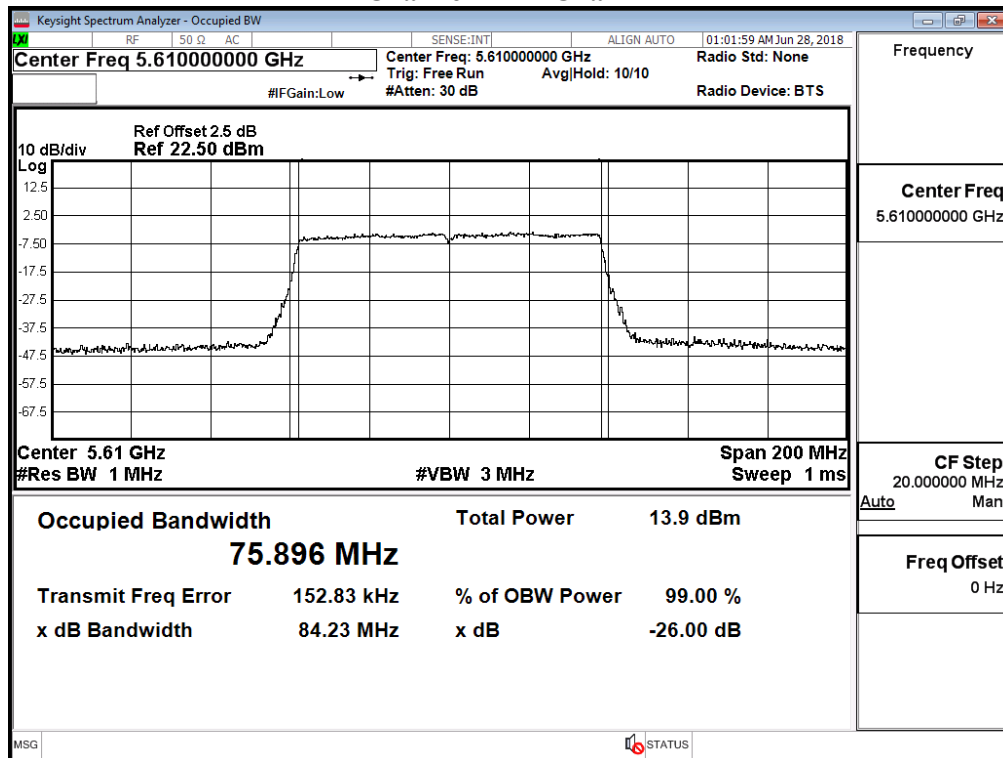
Channel 58 – Chain B



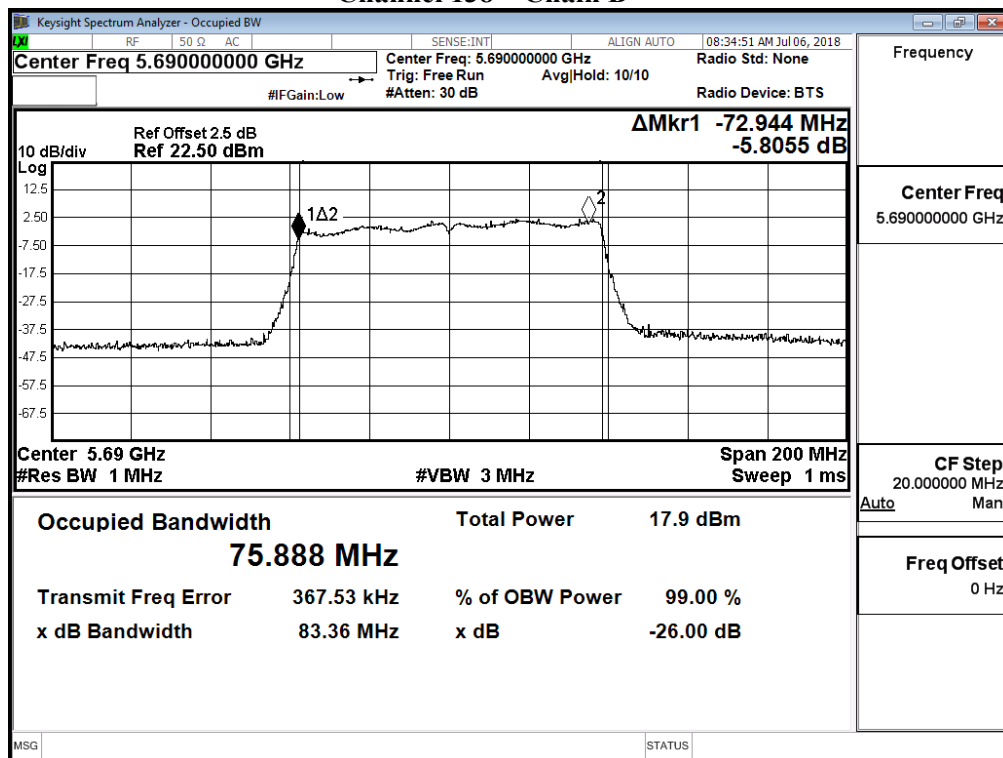
Channel 106 – Chain B



Channel 122 – Chain B

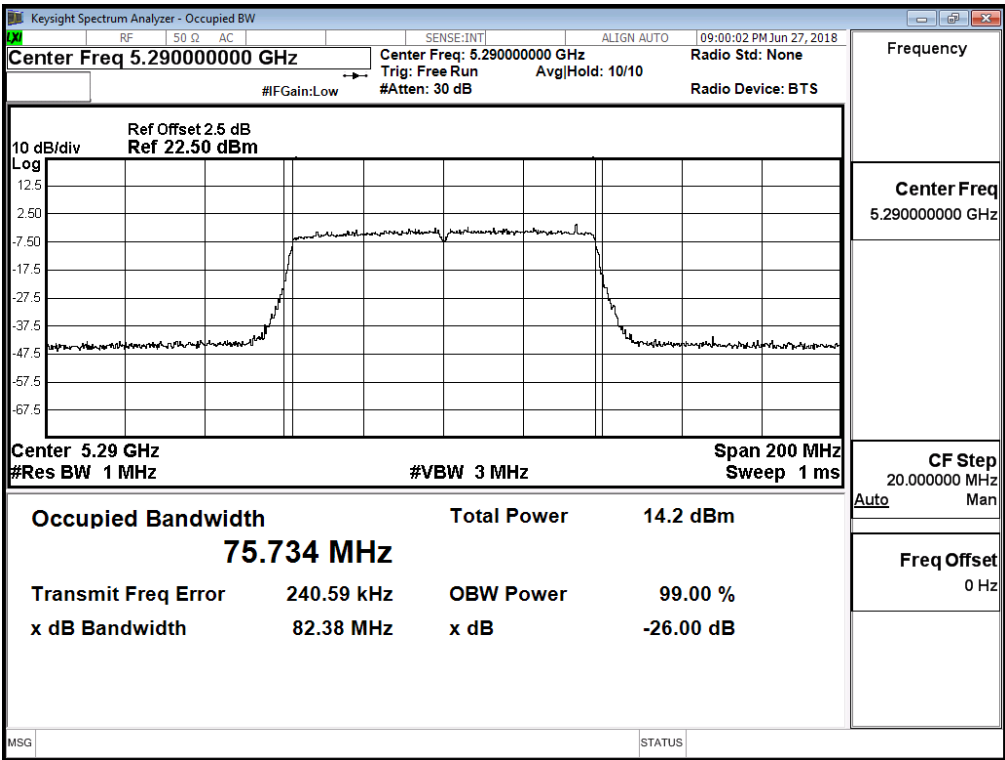


Channel 138 – Chain B

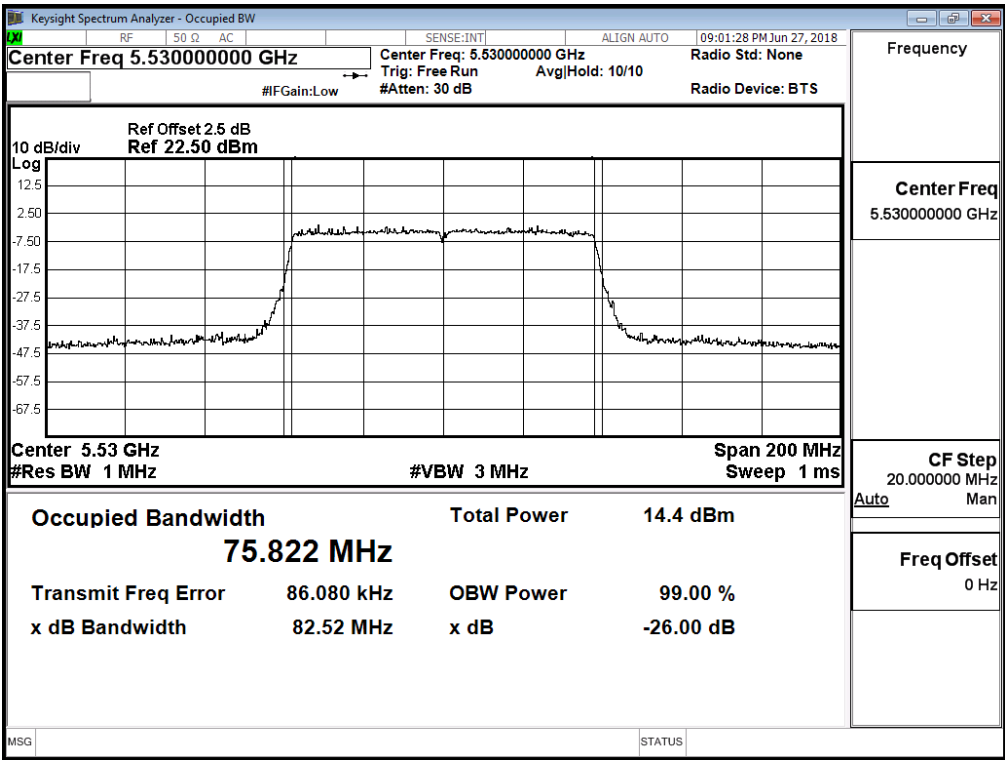


99% Bandwidth:

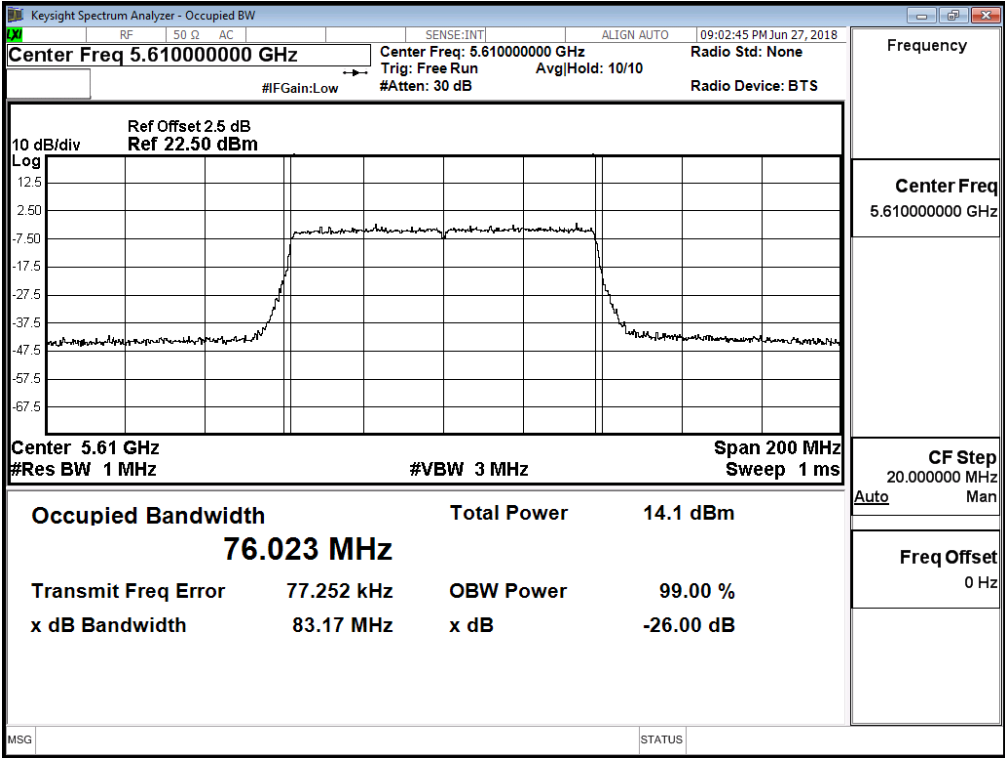
Channel 58 – Chain C



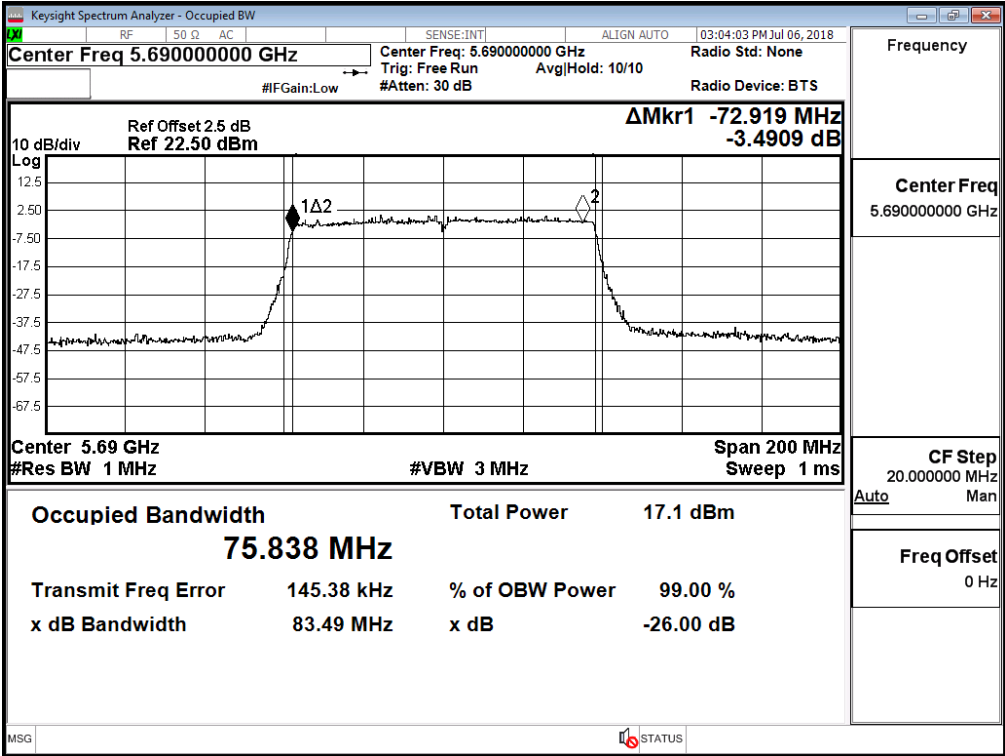
Channel 106 – Chain C



Channel 122 – Chain C

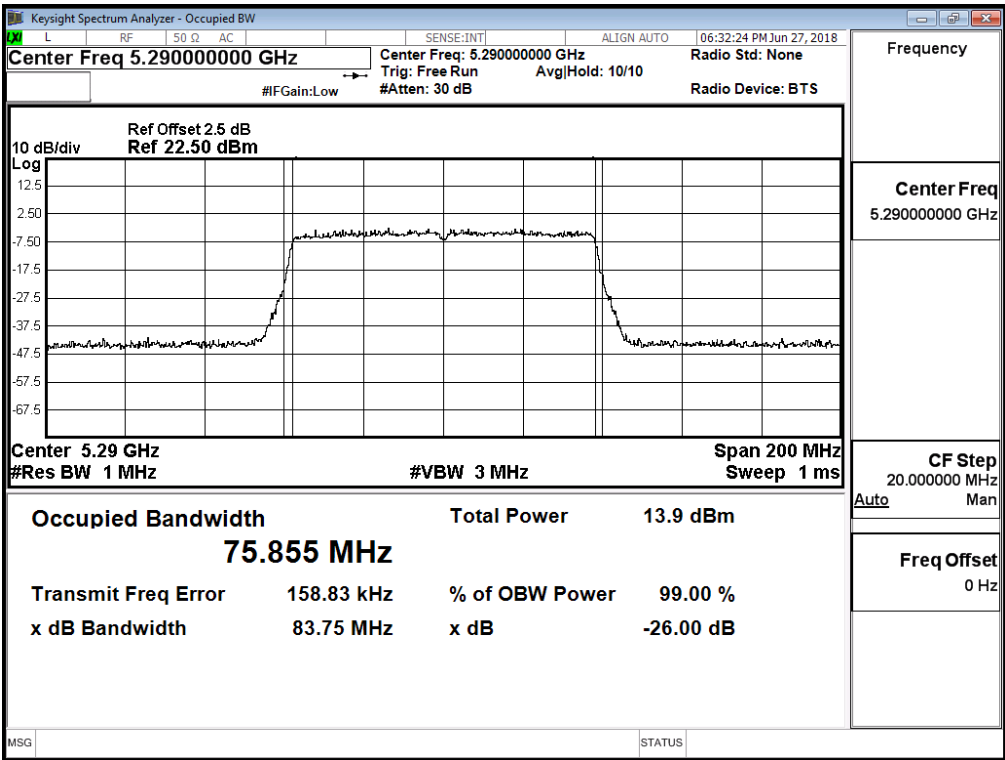


Channel 138 – Chain C

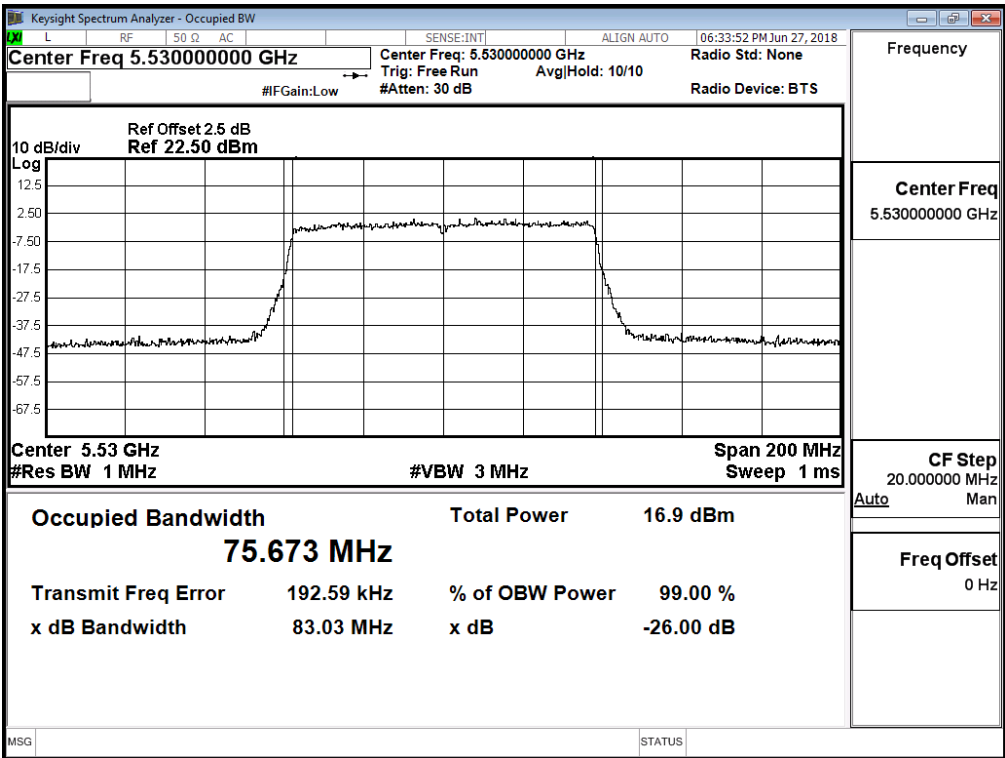


99% Bandwidth:

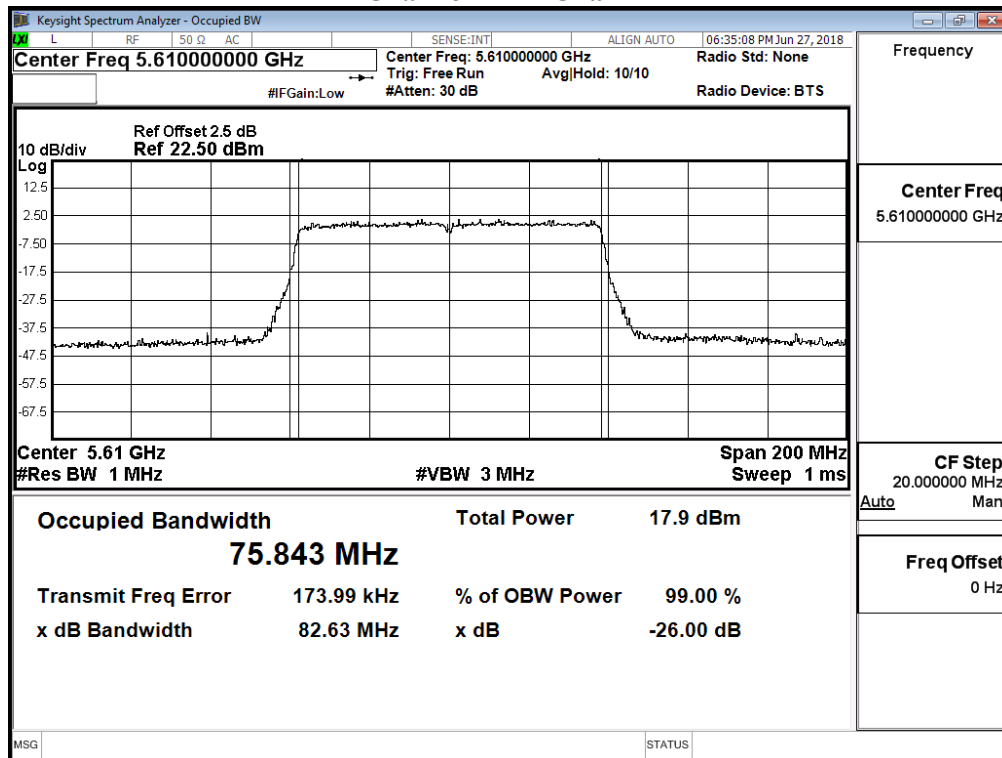
Channel 58 – Chain D



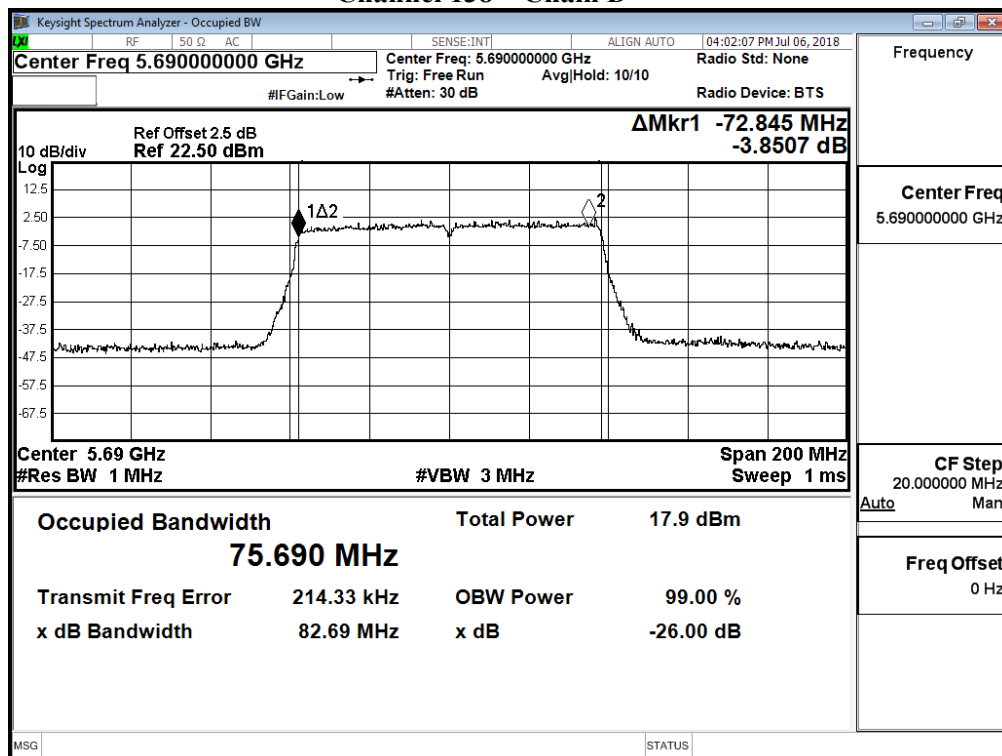
Channel 106 – Chain D

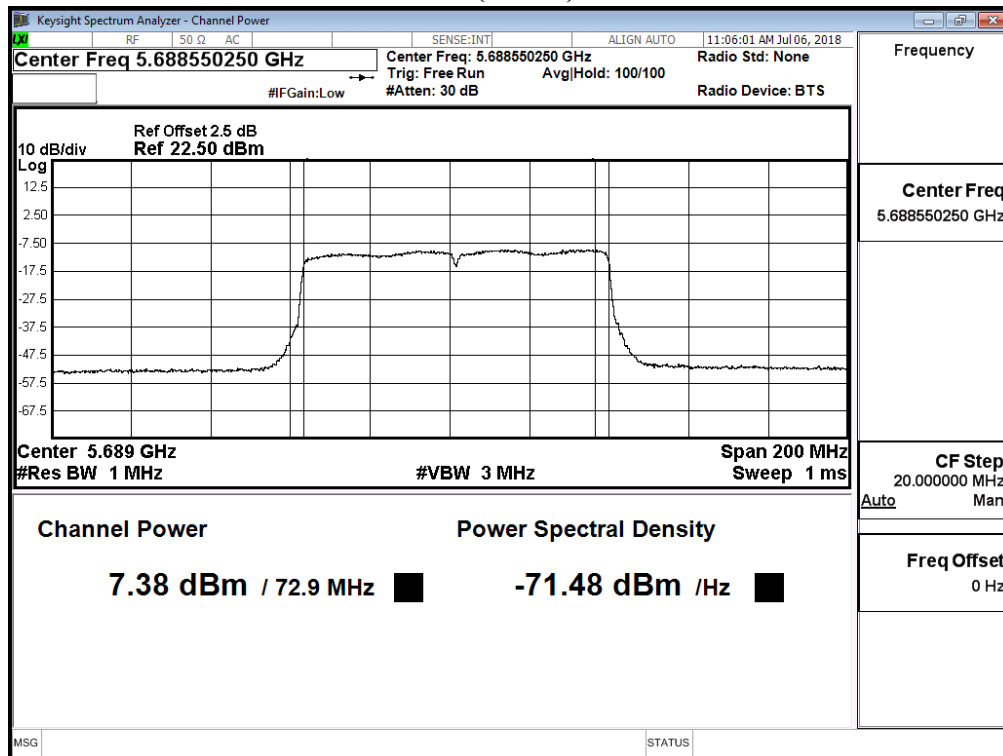
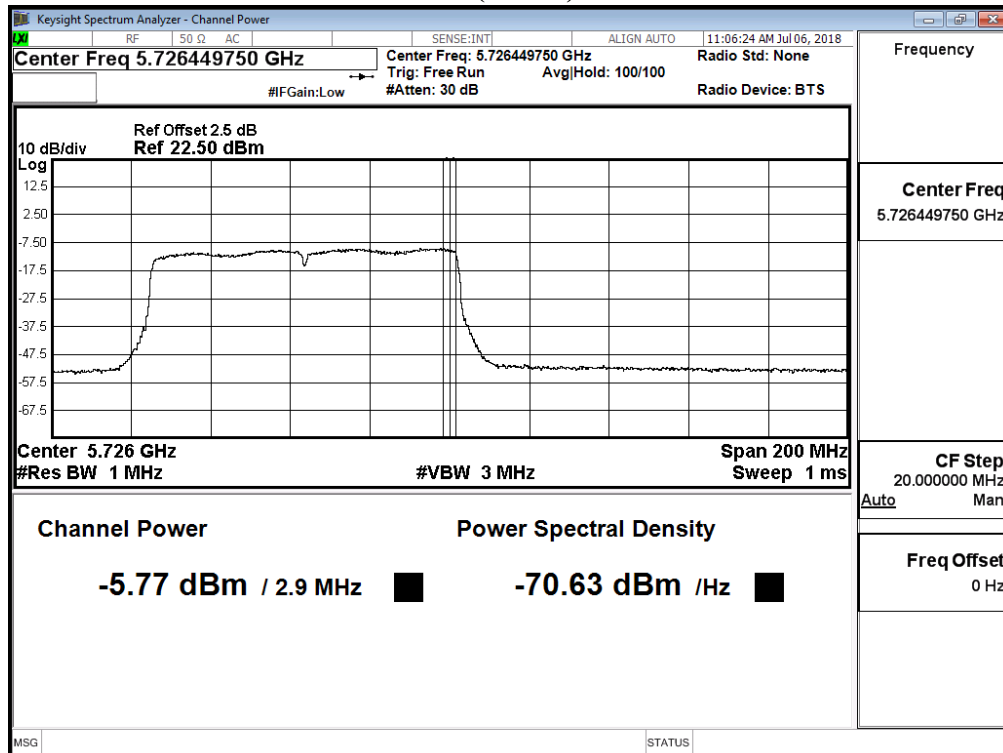


Channel 122 – Chain D

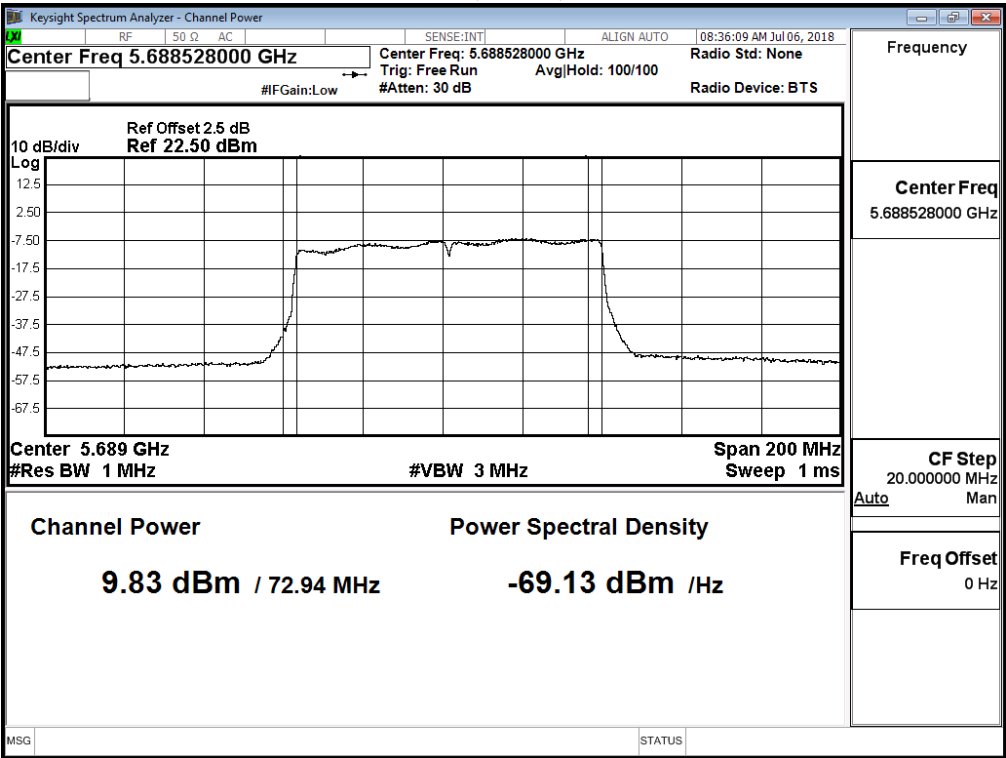


Channel 138 – Chain D

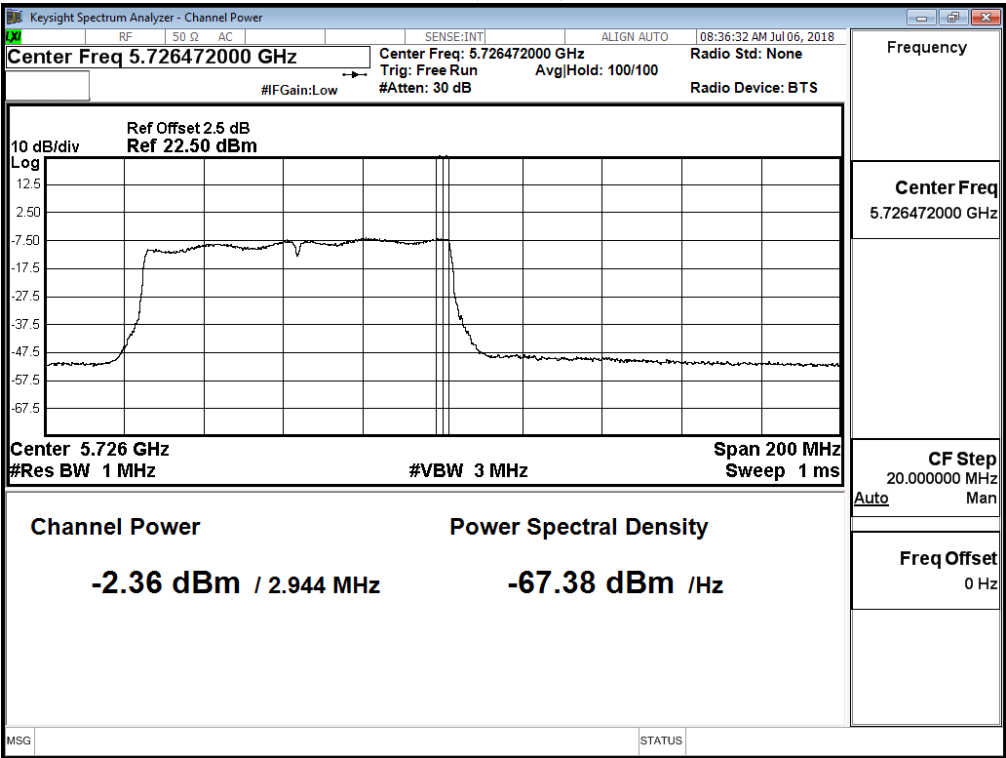


Maximum conducted output power:**Channel 138 (Band3) – Chain A****Maximum conducted output power:****Channel 138 (Band4) – Chain A**

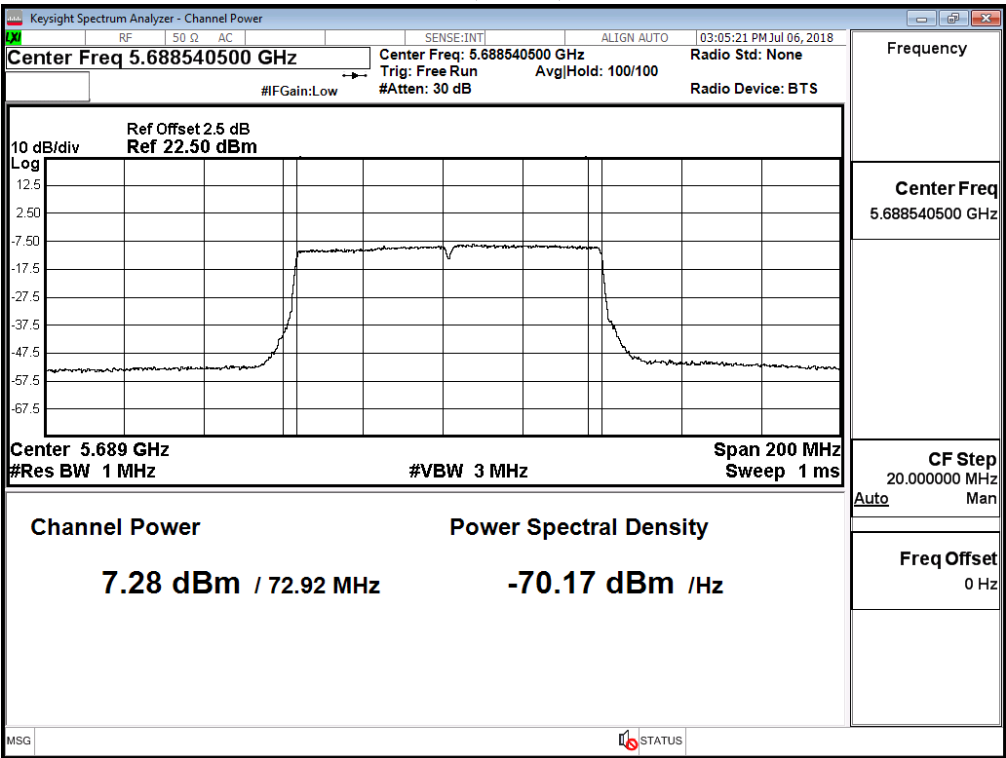
Maximum conducted output power:
Channel 138 (Band3) – Chain B



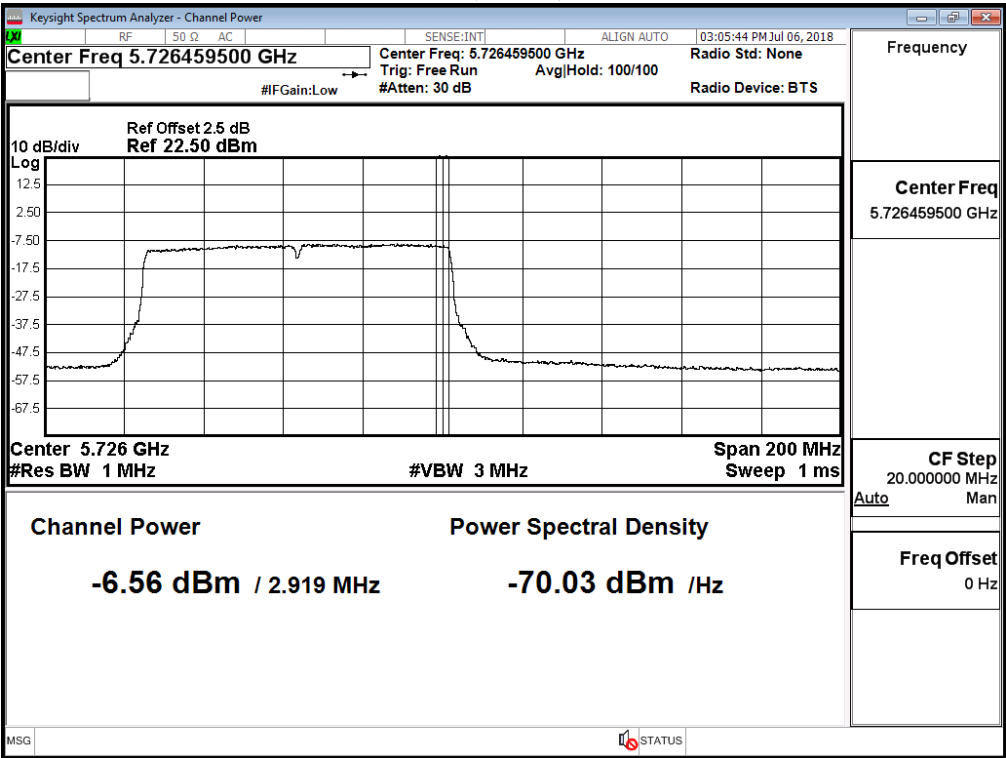
Maximum conducted output power:
Channel 138 (Band4) – Chain B



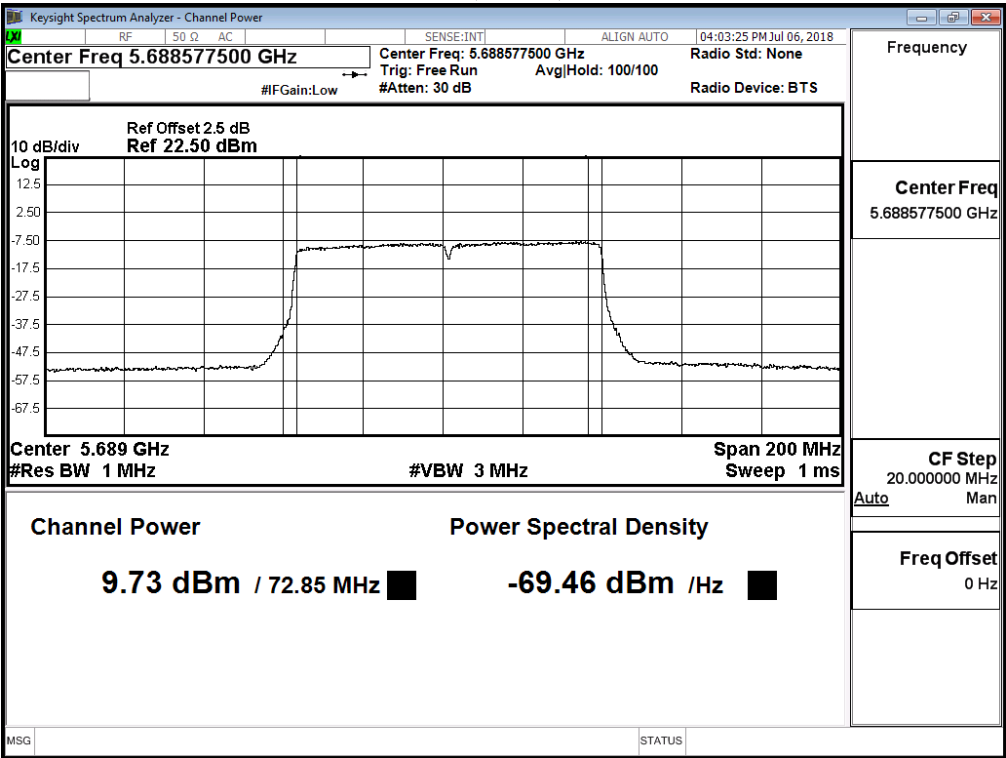
Maximum conducted output power:
Channel 138 (Band3) – Chain C



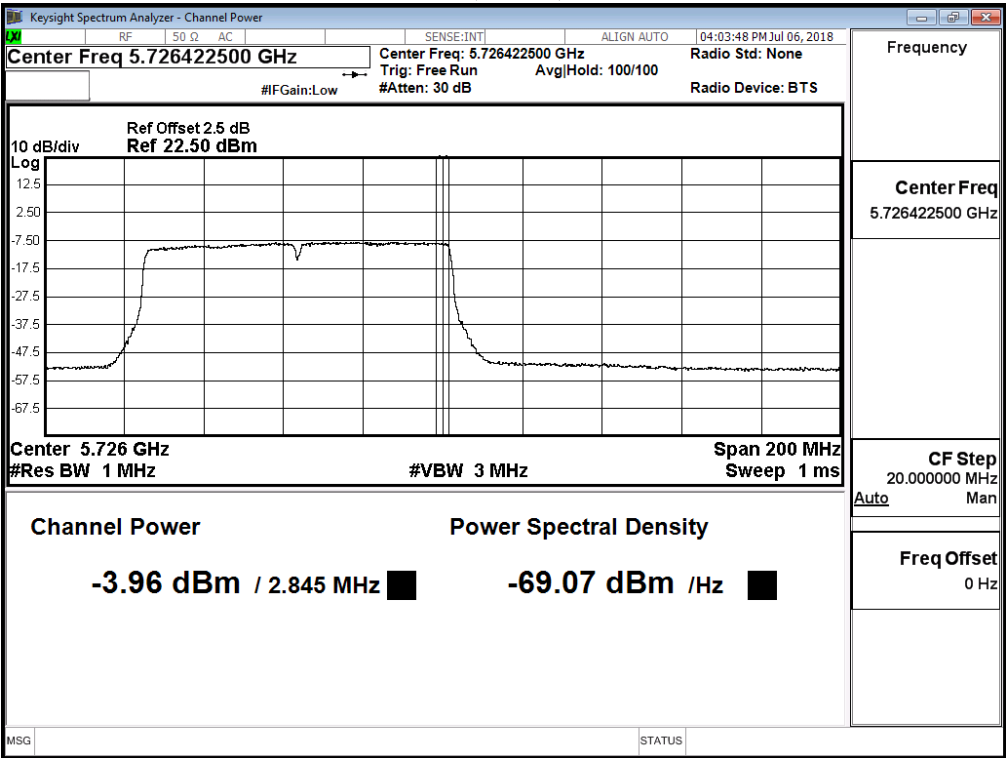
Maximum conducted output power:
Channel 138 (Band4) – Chain C



Maximum conducted output power:
Channel 138 (Band3) – Chain D



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



Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Maximum conducted output power
 Test Site : No.3 OATS
 Test Date : 2018/06/14
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (Antenna No.19)

CHAIN A

Cable loss=1dB		Maximum conducted output power								
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Required Limit
		6	9	12	18	24	36	48	54	
		Measurement Level (dBm)								
36	5180	20.08	--	--	--	--	--	--	--	<21.5dBm
44	5220	19.77	19.71	19.65	19.55	19.47	19.37	19.32	19.26	<21.5dBm
48	5240	18.87	--	--	--	--	--	--	--	<21.5dBm
52	5260	18.79	--	--	--	--	--	--	--	<21.5dBm
60	5300	19.14	19.04	18.97	18.87	18.8	18.7	18.62	18.54	<21.5dBm
64	5320	19.41	--	--	--	--	--	--	--	<21.5dBm
100	5500	19.78	--	--	--	--	--	--	--	<21.5dBm
116	5580	20.37	20.32	20.24	20.15	20.07	19.97	19.89	19.79	<21.5dBm
140	5700	19.92	--	--	--	--	--	--	--	<21.5dBm
149	5745	20.41	--	--	--	--	--	--	--	<30dBm
157	5785	20.62	20.53	20.44	20.34	20.28	20.23	20.13	20.06	<30dBm
165	5825	20.71	--	--	--	--	--	--	--	<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
		6	9	12	18	24	36	48	54	
		Measurement Level (dBm)								
36	5180	19.98	--	--	--	--	--	--	--	<21.5dBm
44	5220	19.71	19.64	19.59	19.52	19.43	19.33	19.25	19.2	<21.5dBm
48	5240	18.77	--	--	--	--	--	--	--	<21.5dBm
52	5260	18.74	--	--	--	--	--	--	--	<21.5dBm
60	5300	19.09	19.02	18.95	18.88	18.8	18.71	18.61	18.55	<21.5dBm
64	5320	19.31	--	--	--	--	--	--	--	<21.5dBm
100	5500	19.71	--	--	--	--	--	--	--	<21.5dBm
116	5580	20.28	20.2	20.15	20.05	19.96	19.88	19.79	19.74	<21.5dBm
140	5700	19.83	--	--	--	--	--	--	--	<21.5dBm
149	5745	20.31	--	--	--	--	--	--	--	<30dBm
157	5785	20.53	20.43	20.37	20.28	20.23	20.18	20.12	20.03	<30dBm
165	5825	20.62	--	--	--	--	--	--	--	<30dBm

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

CHAIN C

Cable loss=1dB		Maximum conducted output power								
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Required Limit
		6	9	12	18	24	36	48	54	
		Measurement Level (dBm)								
36	5180	20.02	--	--	--	--	--	--	--	<21.5dBm
44	5220	19.69	19.59	19.51	19.46	19.39	19.3	19.25	19.15	<21.5dBm
48	5240	18.8	--	--	--	--	--	--	--	<21.5dBm
52	5260	18.73	--	--	--	--	--	--	--	<21.5dBm
60	5300	19.08	19.02	18.97	18.87	18.77	18.7	18.65	18.56	<21.5dBm
64	5320	19.32	--	--	--	--	--	--	--	<21.5dBm
100	5500	19.7	--	--	--	--	--	--	--	<21.5dBm
116	5580	20.31	20.24	20.14	20.09	20.01	19.94	19.84	19.75	<21.5dBm
140	5700	19.85	--	--	--	--	--	--	--	<21.5dBm
149	5745	20.34	--	--	--	--	--	--	--	<30dBm
157	5785	20.53	20.43	20.35	20.25	20.18	20.08	20	19.9	<30dBm
165	5825	20.62	--	--	--	--	--	--	--	<30dBm

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

CHAIN D

Cable loss=1dB		Maximum conducted output power								
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Required Limit
		6	9	12	18	24	36	48	54	
		Measurement Level (dBm)								
36	5180	20.03	--	--	--	--	--	--	--	<21.5dBm
44	5220	19.69	19.64	19.55	19.46	19.39	19.3	19.21	19.12	<21.5dBm
48	5240	18.79	--	--	--	--	--	--	--	<21.5dBm
52	5260	18.7	--	--	--	--	--	--	--	<21.5dBm
60	5300	19.04	18.94	18.89	18.82	18.76	18.66	18.56	18.5	<21.5dBm
64	5320	19.31	--	--	--	--	--	--	--	<21.5dBm
100	5500	19.71	--	--	--	--	--	--	--	<21.5dBm
116	5580	20.31	20.23	20.15	20.06	19.98	19.91	19.82	19.77	<21.5dBm
140	5700	19.86	--	--	--	--	--	--	--	<21.5dBm
149	5745	20.31	--	--	--	--	--	--	--	<30dBm
157	5785	20.57	20.47	20.42	20.34	20.24	20.19	20.12	20.02	<30dBm
165	5825	20.64	--	--	--	--	--	--	--	<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)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Output Power (dBm)	Output Power Limit		Result
								(dBm)	dBm+10log(BW)	
36	5180	--	20.08	--	--	--	20.08	21.5	--	Pass
44	5220	--	19.77	--	--	--	19.77	21.5	--	Pass
48	5240	--	18.87	--	--	--	18.87	21.5	--	Pass
52	5260	16.473	18.79	--	--	--	18.79	21.5	20.67	Pass
60	5300	16.477	19.14	--	--	--	19.14	21.5	20.67	Pass
64	5320	16.509	19.41	--	--	--	19.41	21.5	20.68	Pass
100	5500	16.504	19.78	--	--	--	19.78	21.5	20.68	Pass
116	5580	16.481	20.37	--	--	--	20.37	21.5	20.67	Pass
140	5700	16.471	19.92	--	--	--	19.92	21.5	20.67	Pass
149	5745	--	20.41	--	--	--	20.41	30	--	Pass
157	5785	--	20.62	--	--	--	20.62	30	--	Pass
165	5825	--	20.71	--	--	--	20.71	30	--	Pass

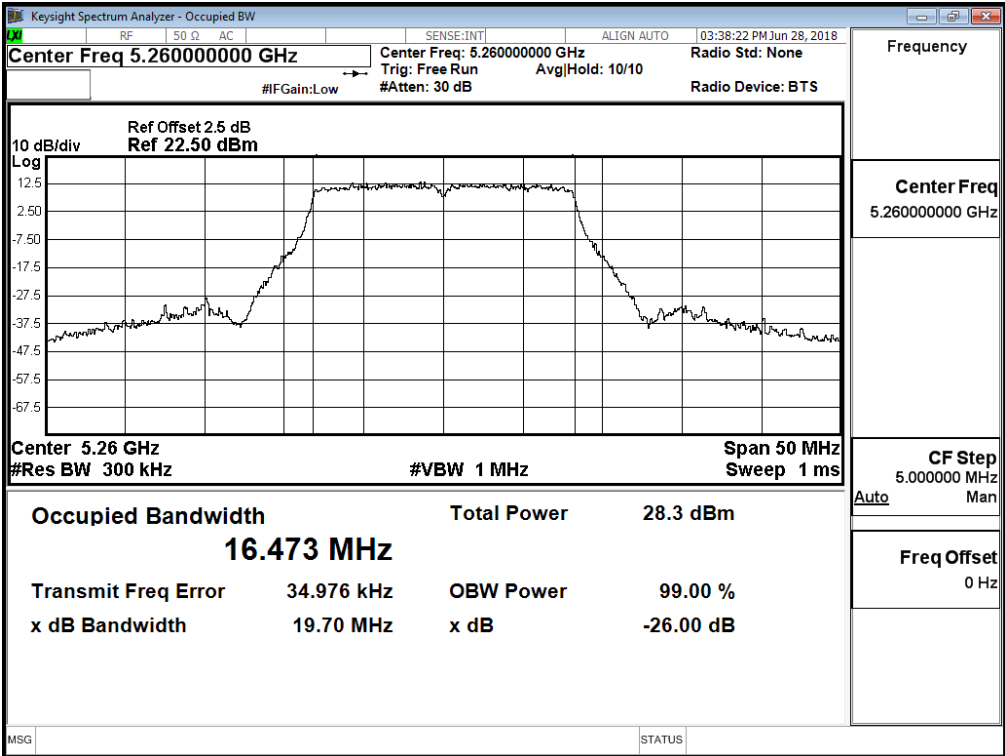
Note:

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

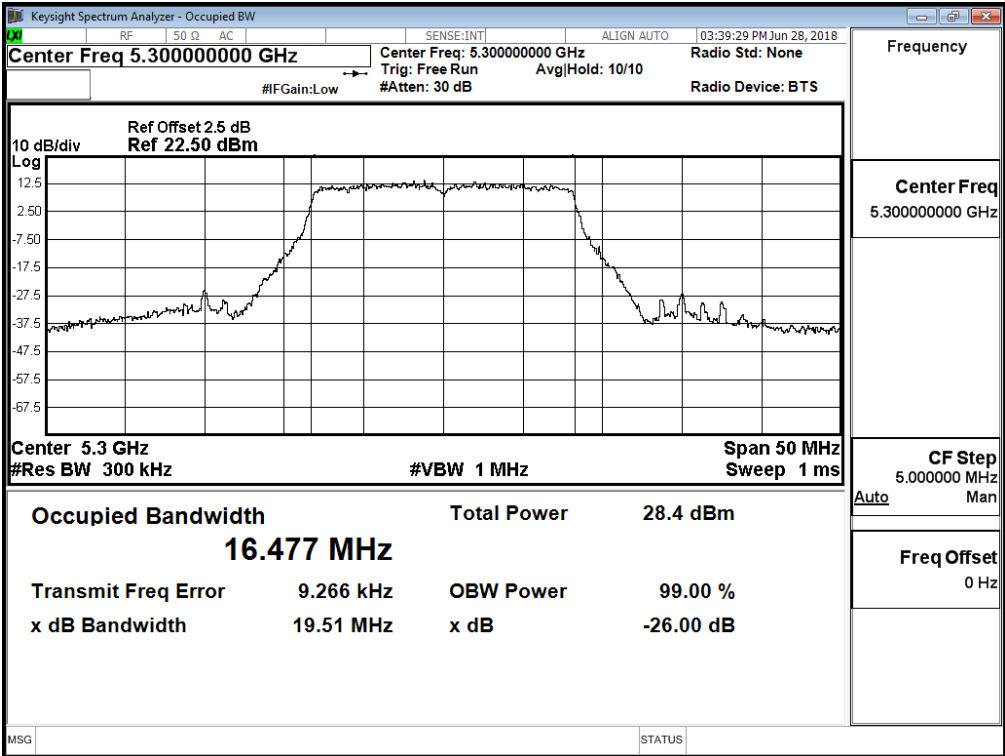
Maximum conducted output power Measurement with Transmit power Control (TPC)

Channel No	Frequency Range (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Output Power (dBm)	Result
52	5260	12.57	--	--	--	12.57	Pass
60	5300	13.01	--	--	--	13.01	Pass
64	5320	13.12	--	--	--	13.12	Pass
100	5500	13.56	--	--	--	13.56	Pass
116	5580	14.24	--	--	--	14.24	Pass
140	5700	13.73	--	--	--	13.73	Pass

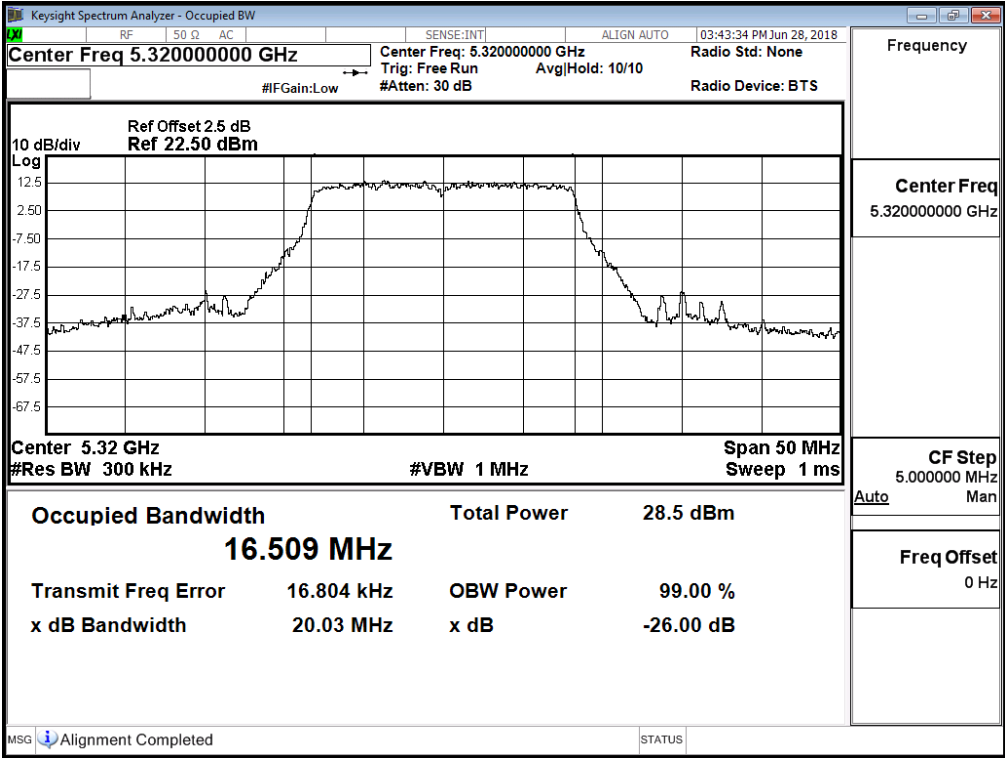
99% Bandwidth:
Channel 52:



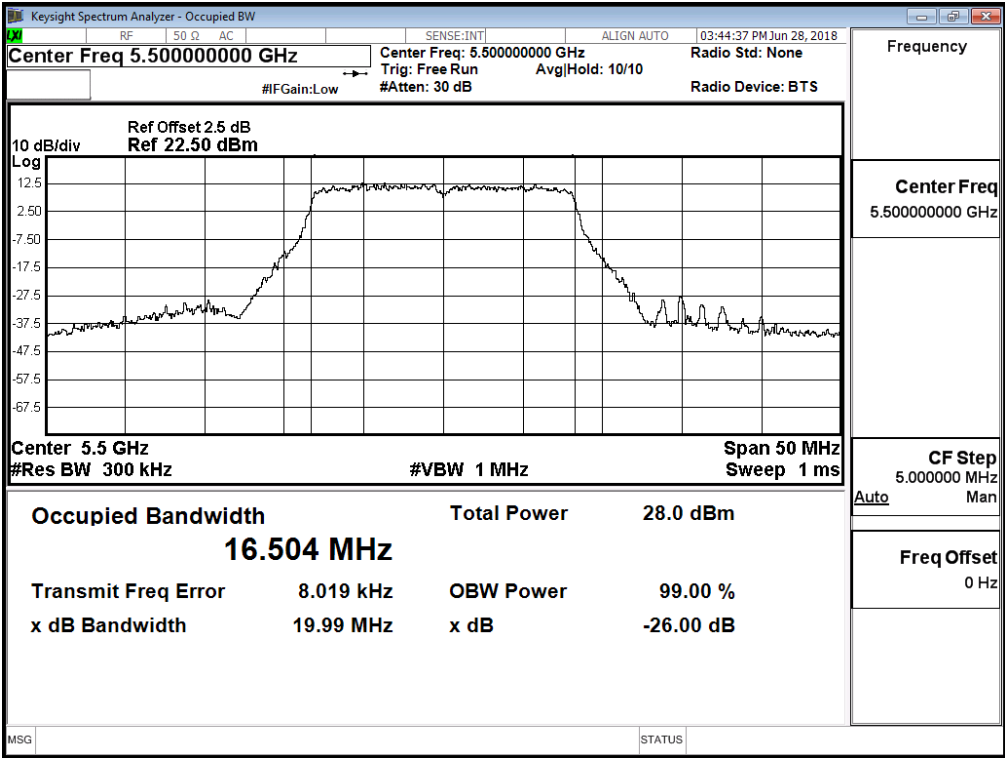
Channel 60:



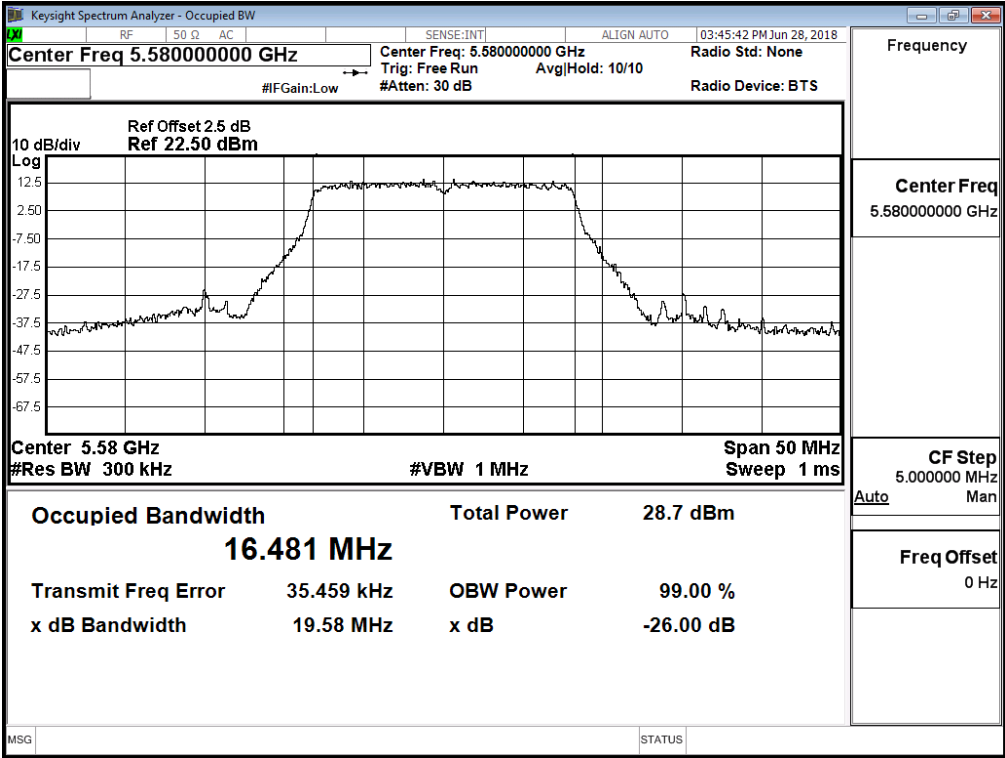
Channel 64:



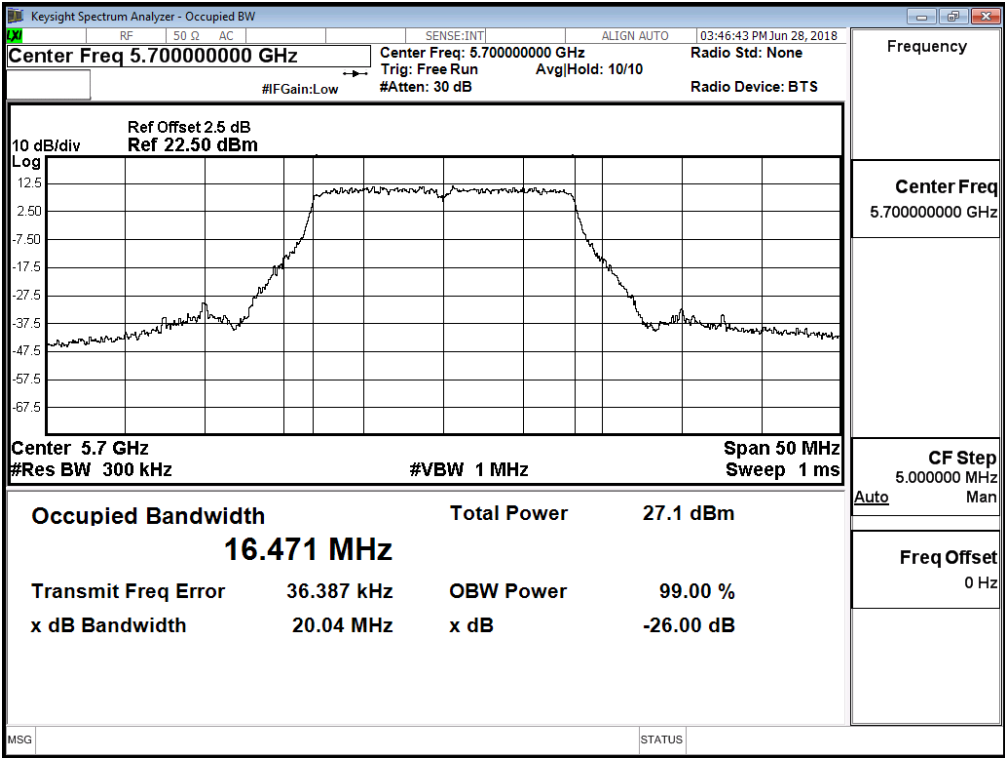
Channel 100:



Channel 116:



Channel 140:



Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Maximum conducted output power
 Test Site : No.3 OATS
 Test Date : 2018/06/14
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (Antenna No.19)

CHAIN A

Cable loss=1dB		Maximum conducted output power								
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Required Limit
		14.4	28.9	43.3	57.8	86.7	115.6	130	144.4	
		Measurement Level (dBm)								
36	5180	12.83	--	--	--	--	--	--	--	<21.5dBm
44	5220	13.49	13.43	13.37	13.28	13.22	13.12	13.07	13.01	<21.5dBm
48	5240	13.71	--	--	--	--	--	--	--	<21.5dBm
52	5260	12.59	--	--	--	--	--	--	--	<21.5dBm
60	5300	12.32	12.23	12.13	12.04	11.96	11.89	11.8	11.73	<21.5dBm
64	5320	12.01	--	--	--	--	--	--	--	<21.5dBm
100	5500	12.51	--	--	--	--	--	--	--	<21.5dBm
116	5580	11.95	11.87	11.79	11.69	11.6	11.51	11.46	11.36	<21.5dBm
140	5700	11.37	--	--	--	--	--	--	--	<21.5dBm
149	5745	19.21	--	--	--	--	--	--	--	<27.5dBm
157	5785	19.61	19.54	19.48	19.4	19.32	19.23	19.16	19.11	<27.5dBm
165	5825	19.81	--	--	--	--	--	--	--	<27.5dBm

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
		14.4	28.9	43.3	57.8	86.7	115.6	130	144.4	
		Measurement Level (dBm)								
36	5180	12.45	--	--	--	--	--	--	--	<21.5dBm
44	5220	12.81	12.73	12.63	12.56	12.47	12.37	12.31	12.26	<21.5dBm
48	5240	12.88	--	--	--	--	--	--	--	<21.5dBm
52	5260	11.85	--	--	--	--	--	--	--	<21.5dBm
60	5300	12.3	12.24	12.14	12.08	11.99	11.89	11.79	11.74	<21.5dBm
64	5320	12.43	--	--	--	--	--	--	--	<21.5dBm
100	5500	12.33	--	--	--	--	--	--	--	<21.5dBm
116	5580	11.71	11.61	11.55	11.45	11.35	11.26	11.18	11.08	<21.5dBm
140	5700	11.84	--	--	--	--	--	--	--	<21.5dBm
149	5745	19.63	--	--	--	--	--	--	--	<27.5dBm
157	5785	19.53	19.44	19.36	19.27	19.19	19.13	19.03	18.96	<27.5dBm
165	5825	19.36	--	--	--	--	--	--	--	<27.5dBm

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

CHAIN C

Cable loss=1dB		Maximum conducted output power								
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Required Limit
		14.4	28.9	43.3	57.8	86.7	115.6	130	144.4	
		Measurement Level (dBm)								
36	5180	13.41	--	--	--	--	--	--	--	<21.5dBm
44	5220	13.92	13.83	13.76	13.68	13.6	13.55	13.45	13.39	<21.5dBm
48	5240	14.11	--	--	--	--	--	--	--	<21.5dBm
52	5260	12.98	--	--	--	--	--	--	--	<21.5dBm
60	5300	13.02	12.94	12.84	12.78	12.7	12.63	12.53	12.48	<21.5dBm
64	5320	13.01	--	--	--	--	--	--	--	<21.5dBm
100	5500	12.66	--	--	--	--	--	--	--	<21.5dBm
116	5580	12.25	12.15	12.05	11.98	11.88	11.79	11.73	11.68	<21.5dBm
140	5700	11.97	--	--	--	--	--	--	--	<21.5dBm
149	5745	19.38	--	--	--	--	--	--	--	<27.5dBm
157	5785	19.44	19.38	19.32	19.24	19.17	19.1	19	18.95	<27.5dBm
165	5825	19.29	--	--	--	--	--	--	--	<27.5dBm

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

CHAIN D

Cable loss=1dB		Maximum conducted output power								
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Required Limit
		14.4	28.9	43.3	57.8	86.7	115.6	130	144.4	
		Measurement Level (dBm)								
36	5180	12.26	--	--	--	--	--	--	--	<21.5dBm
44	5220	12.91	12.86	12.78	12.72	12.62	12.55	12.47	12.42	<21.5dBm
48	5240	12.88	--	--	--	--	--	--	--	<21.5dBm
52	5260	11.72	--	--	--	--	--	--	--	<21.5dBm
60	5300	11.76	11.67	11.57	11.52	11.44	11.37	11.29	11.2	<21.5dBm
64	5320	11.98	--	--	--	--	--	--	--	<21.5dBm
100	5500	12.15	--	--	--	--	--	--	--	<21.5dBm
116	5580	12.4	12.3	12.23	12.14	12.08	12.01	11.94	11.87	<21.5dBm
140	5700	12.03	--	--	--	--	--	--	--	<21.5dBm
149	5745	19.84	--	--	--	--	--	--	--	<27.5dBm
157	5785	19.88	19.8	19.7	19.64	19.55	19.47	19.4	19.32	<27.5dBm
165	5825	19.85	--	--	--	--	--	--	--	<27.5dBm

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

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

Channel No	Frequency Range (MHz)	99% Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Output Power (dBm)	Output Power Limit		Result
								(dBm)	dBm+10log(BW)	
36	5180	--	12.83	12.45	13.41	12.26	18.78	21.5	--	Pass
44	5220	--	13.49	12.81	13.92	12.91	19.33	21.5	--	Pass
48	5240	--	13.71	12.88	14.11	12.88	19.45	21.5	--	Pass
52	5260	17.902	12.59	11.85	12.98	11.72	18.34	21.5	21.03	Pass
60	5300	17.890	12.32	12.30	13.02	11.76	18.39	21.5	21.03	Pass
64	5320	17.861	12.01	12.43	13.01	11.98	18.40	21.5	21.02	Pass
100	5500	17.878	12.51	12.33	12.66	12.15	18.44	21.5	21.02	Pass
116	5580	17.881	11.95	11.71	12.25	12.40	18.11	21.5	21.02	Pass
140	5700	17.893	11.37	11.84	11.97	12.03	17.83	21.5	21.03	Pass
149	5745	--	19.21	19.63	19.38	19.84	25.54	27.5	--	Pass
157	5785	--	19.61	19.53	19.44	19.88	25.64	27.5	--	Pass
165	5825	--	19.81	19.36	19.29	19.85	25.61	27.5	--	Pass

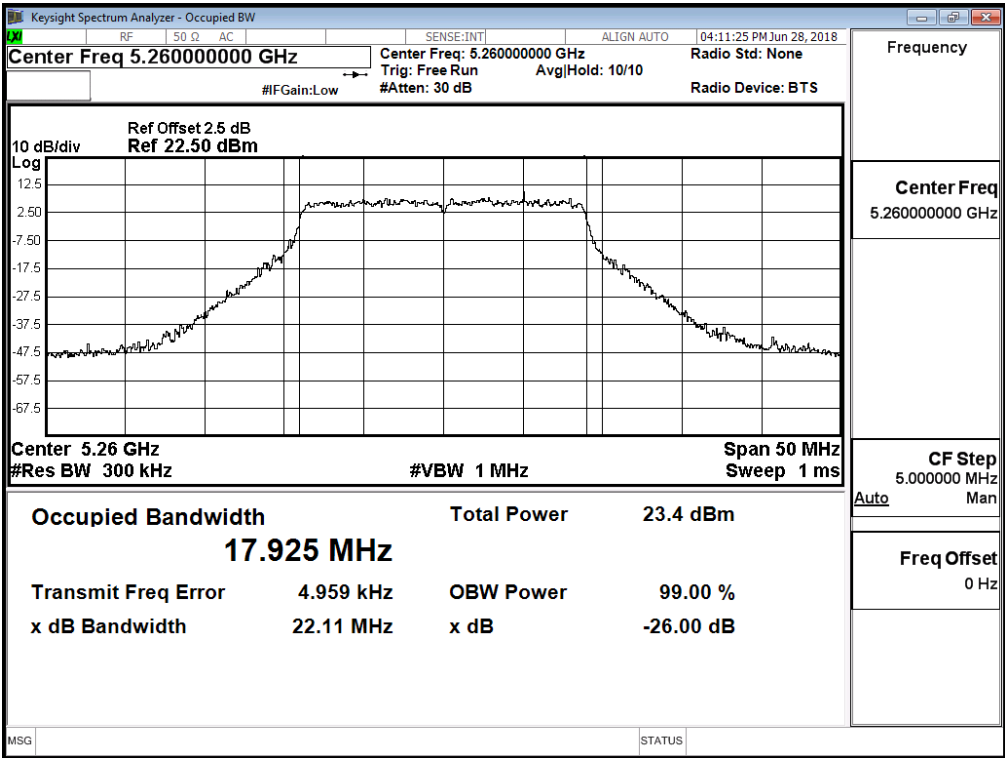
Note:

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

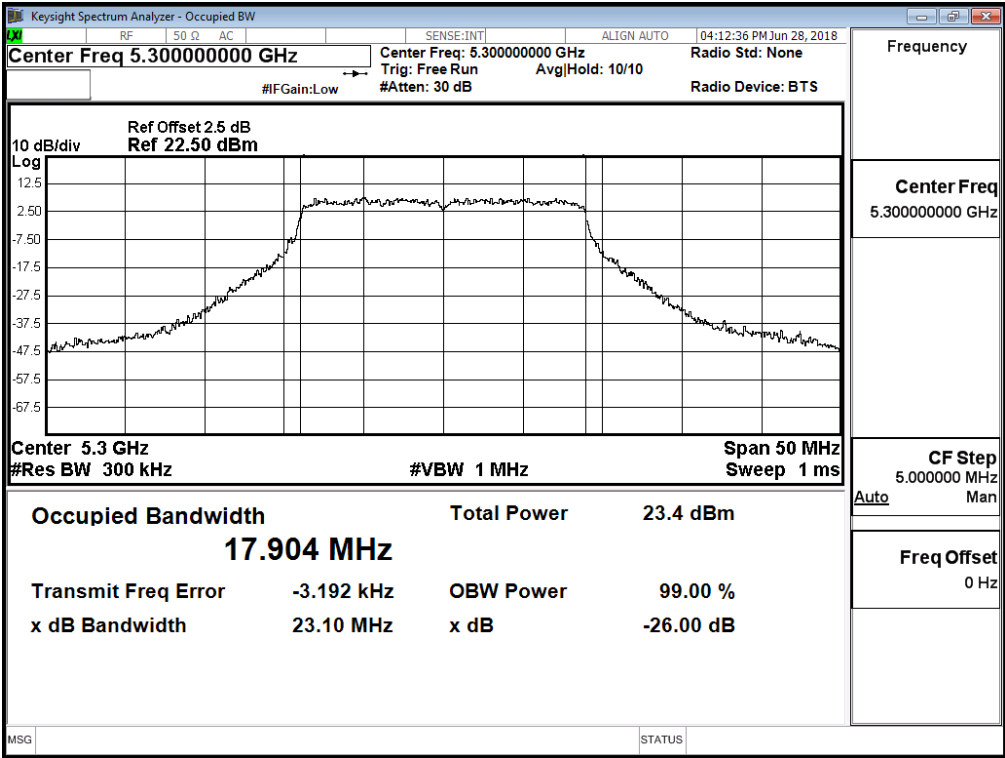
**Maximum conducted output power Measurement with Transmit power Control (TPC)
(CHAIN A+ B+C+D)**

Channel No	Frequency Range (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Output Power (dBm)	Result
52	5260	6.48	5.74	6.66	5.61	12.17	Pass
60	5300	6.04	5.92	6.80	5.43	12.10	Pass
64	5320	5.74	6.23	6.82	5.76	12.18	Pass
100	5500	6.21	6.03	6.54	5.92	12.20	Pass
116	5580	5.60	5.38	5.90	6.02	11.75	Pass
140	5700	17.59	5.49	5.76	5.71	18.35	Pass

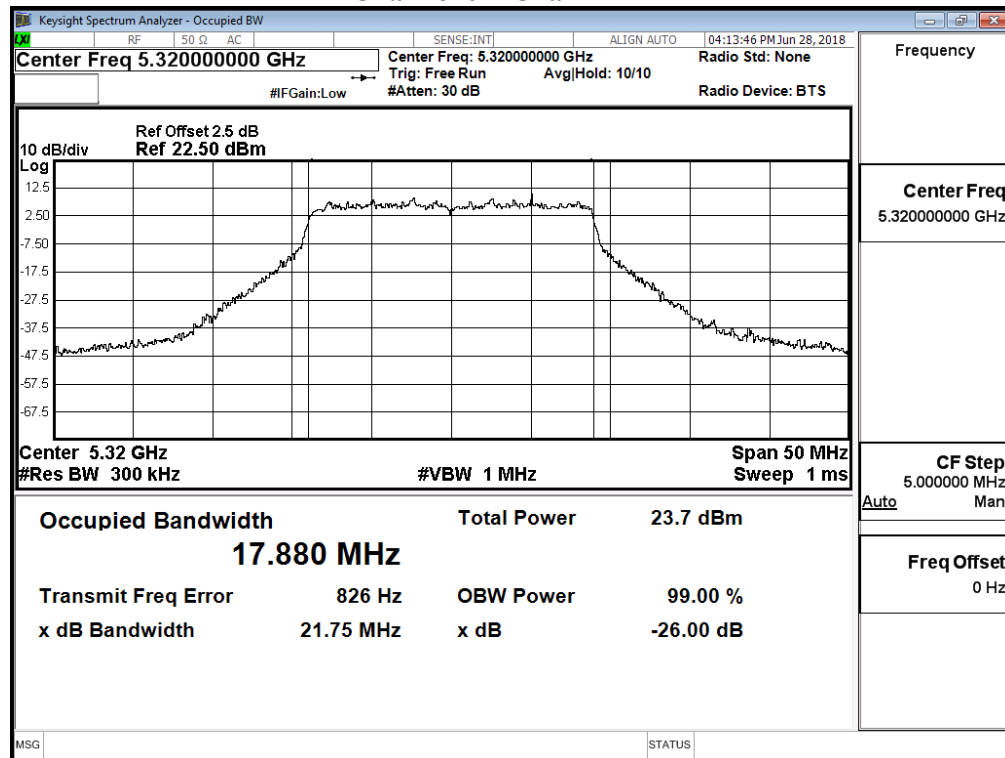
99% Bandwidth:
Channel 52 -Chain A



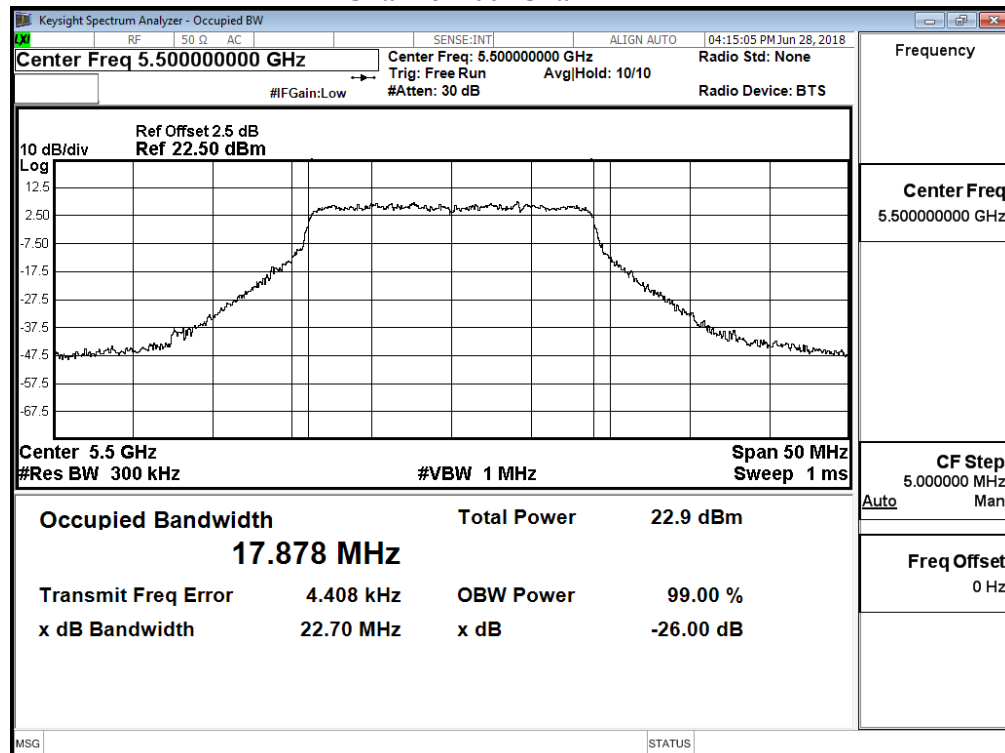
Channel 60 -Chain A



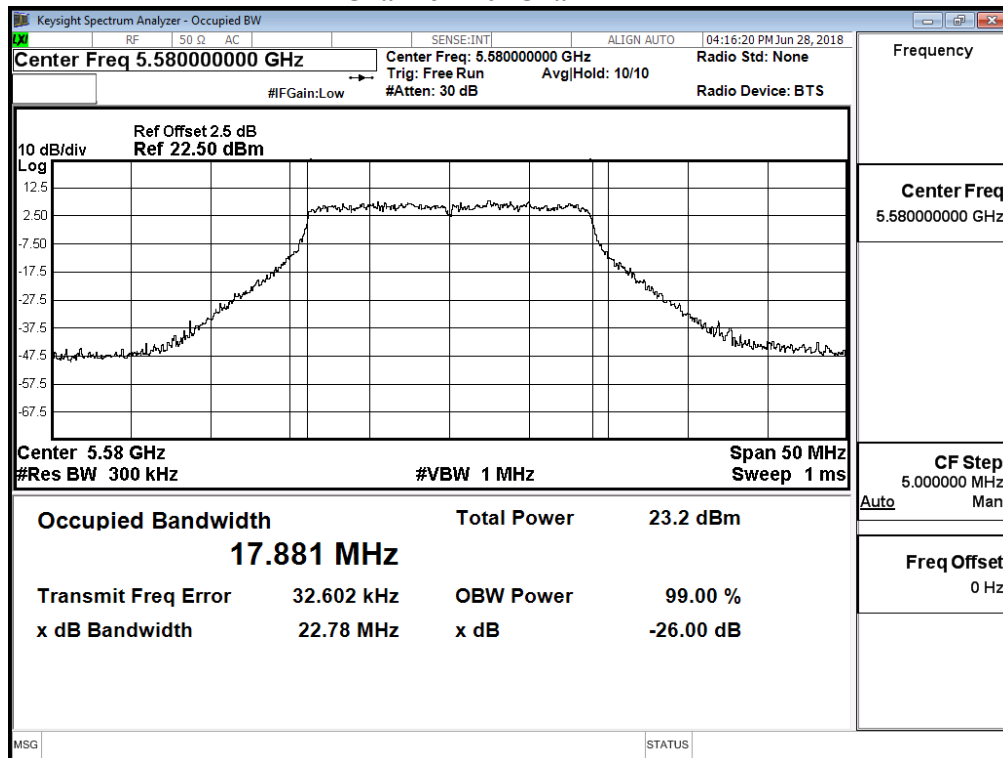
Channel 64 -Chain A



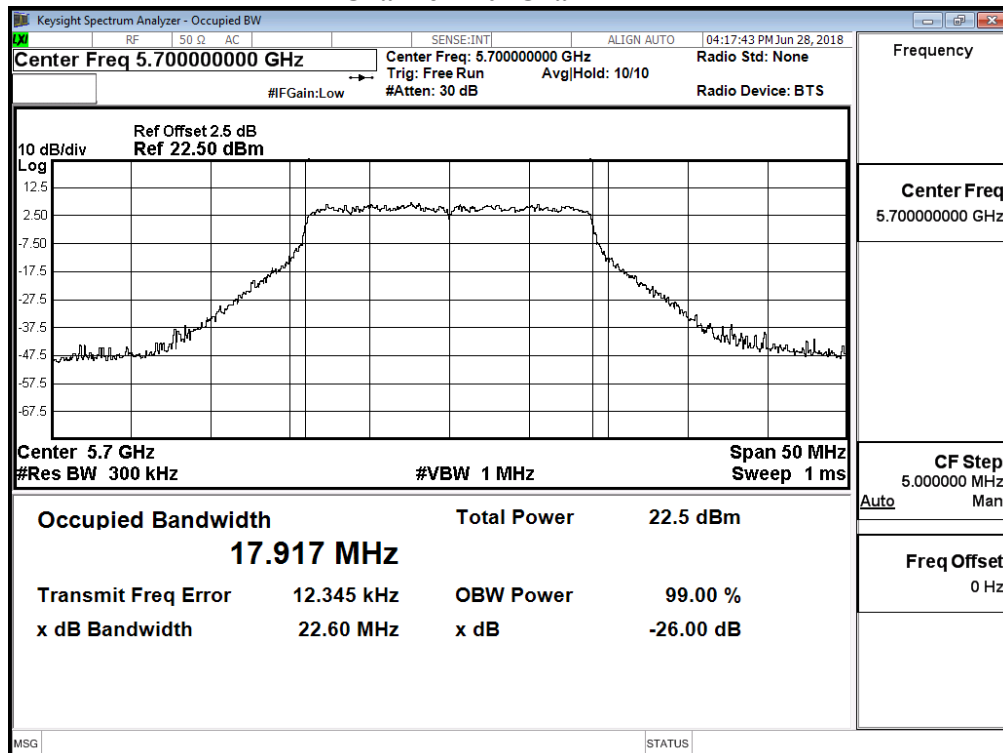
Channel 100 -Chain A



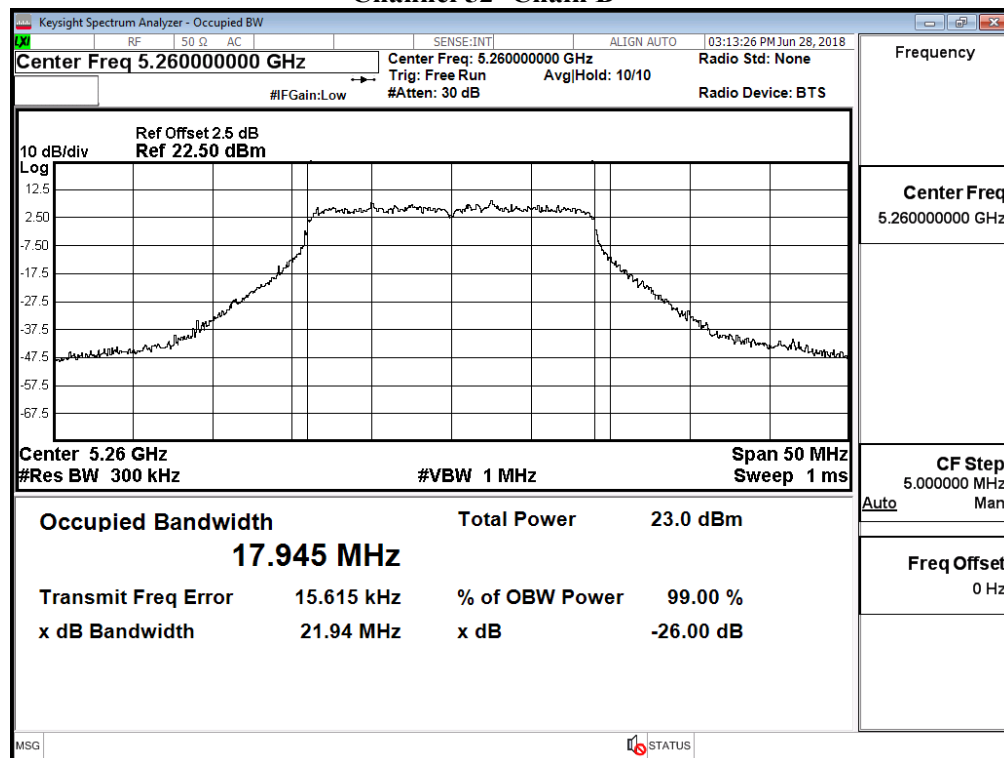
Channel 116 -Chain A



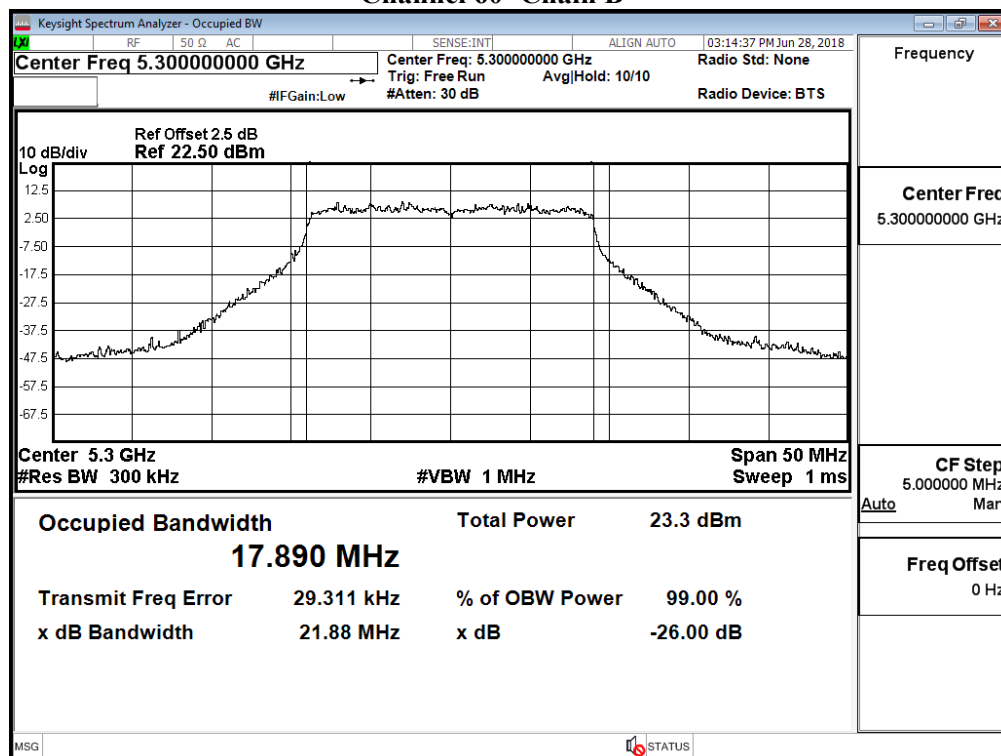
Channel 140 -Chain A



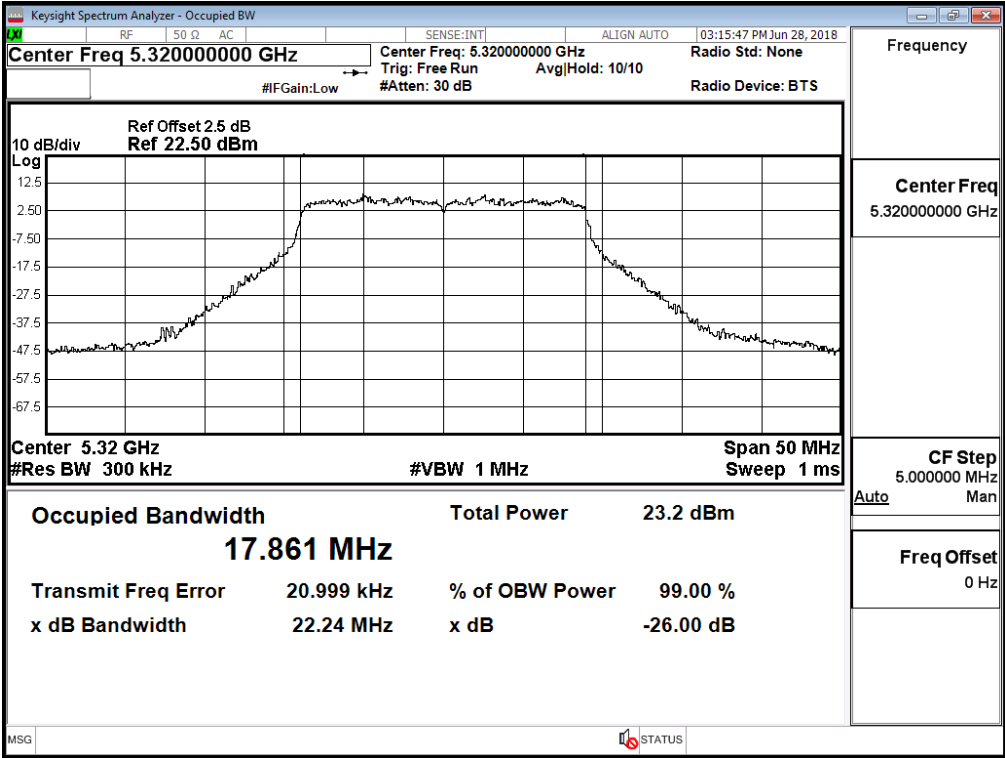
**99% Bandwidth:
Channel 52 -Chain B**



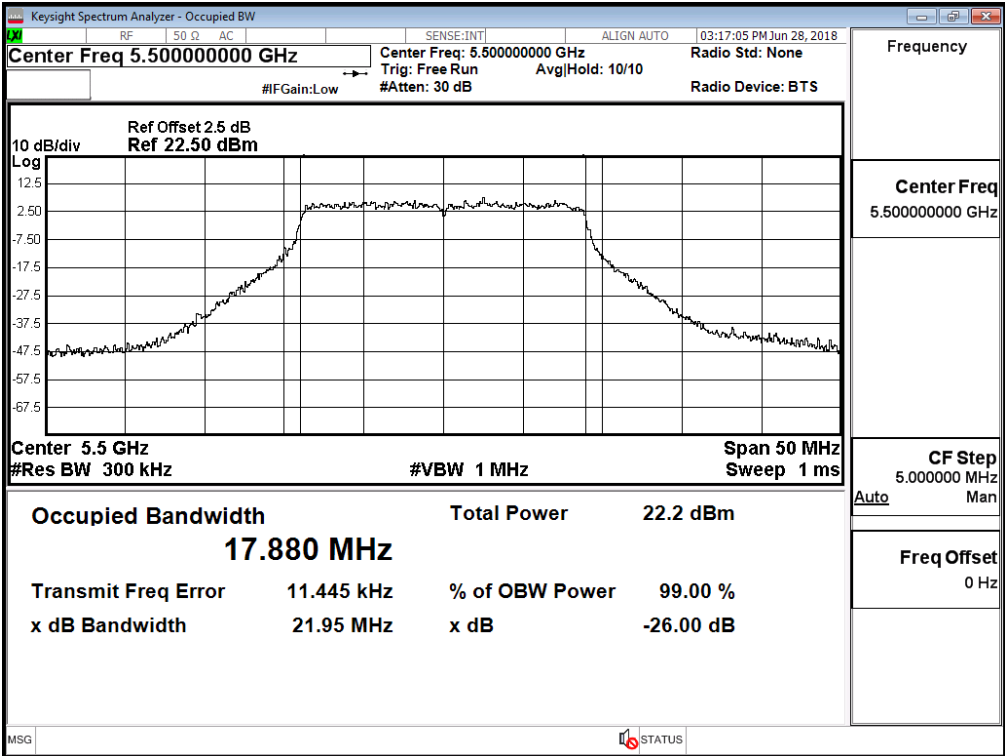
Channel 60 -Chain B



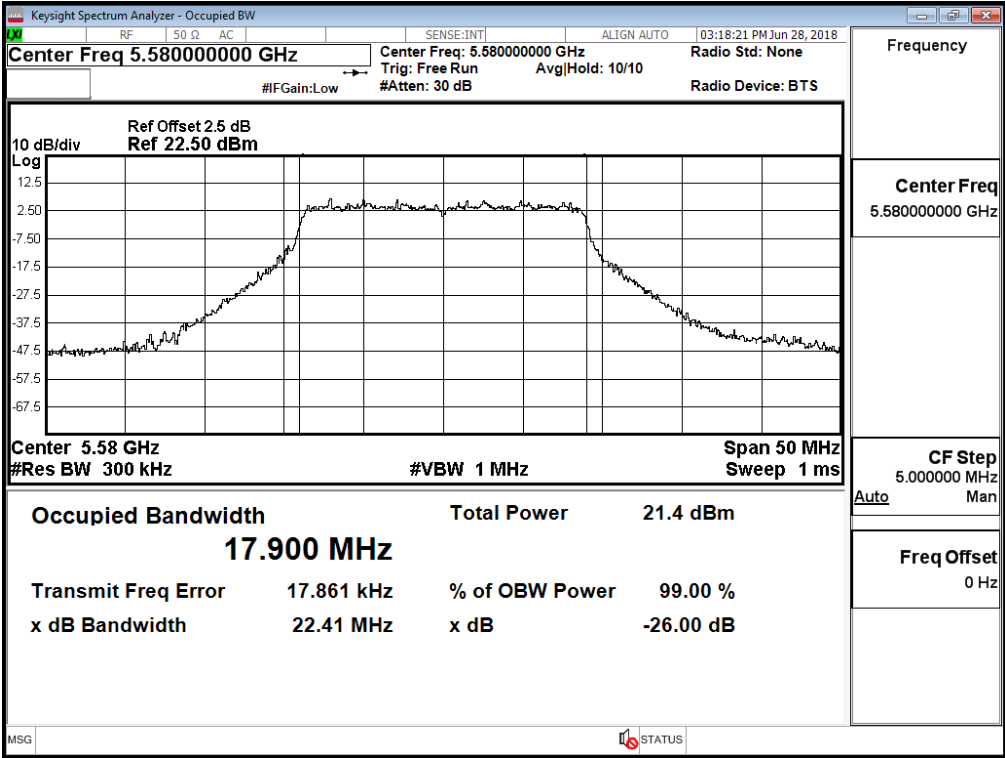
Channel 64 -Chain B



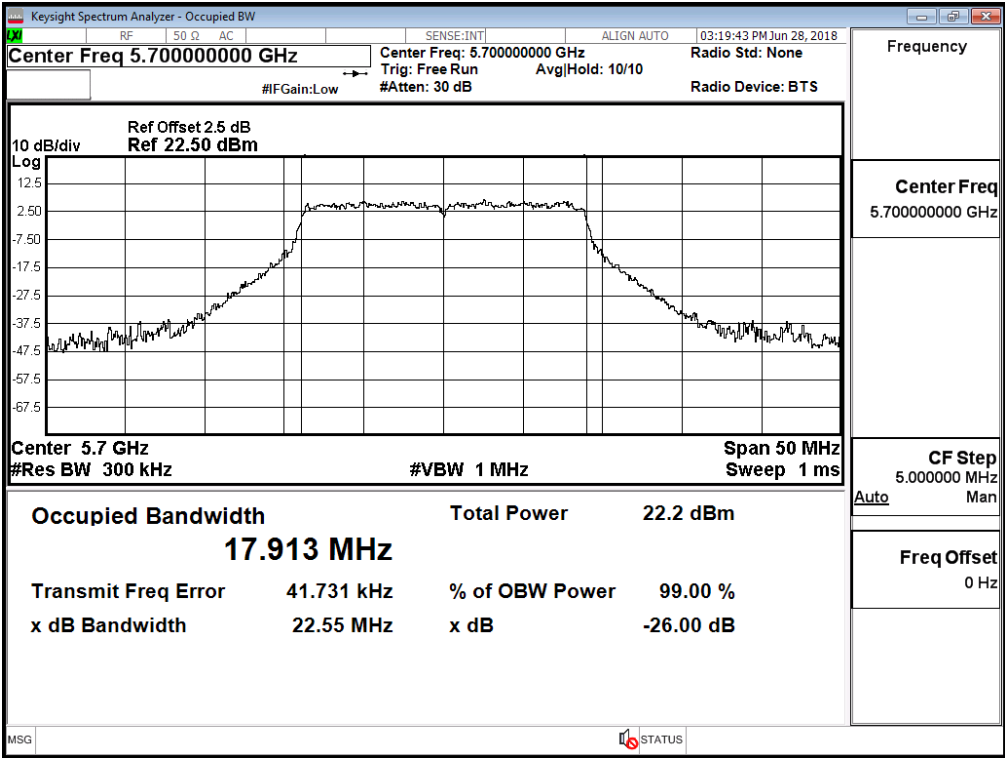
Channel 100 -Chain B



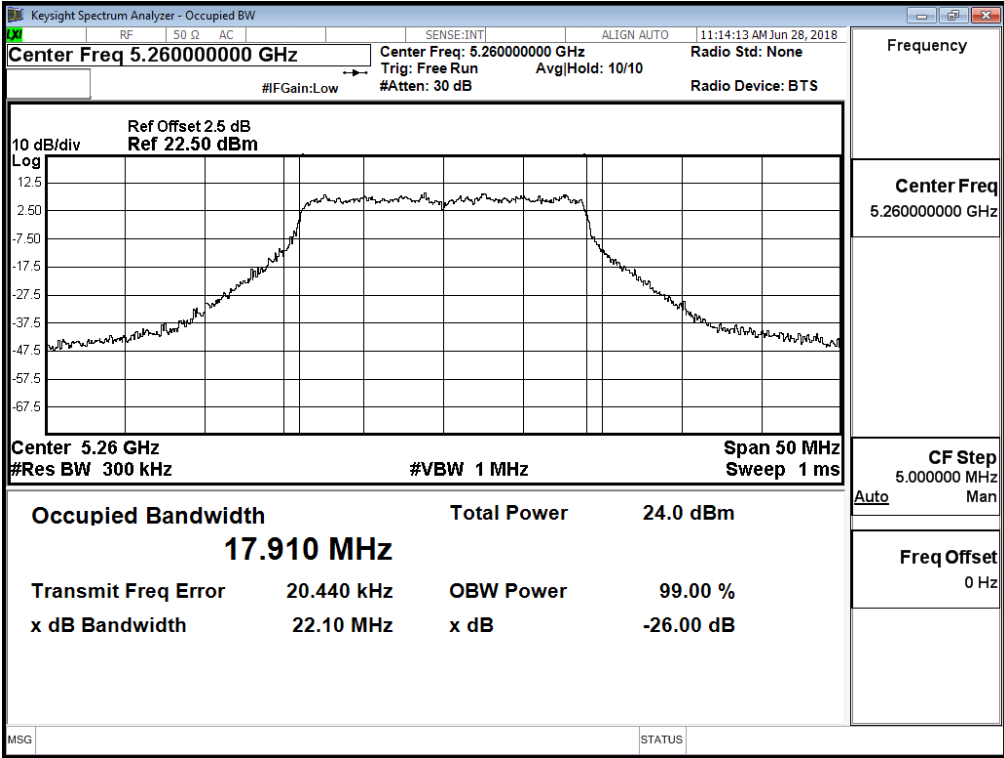
Channel 116 -Chain B



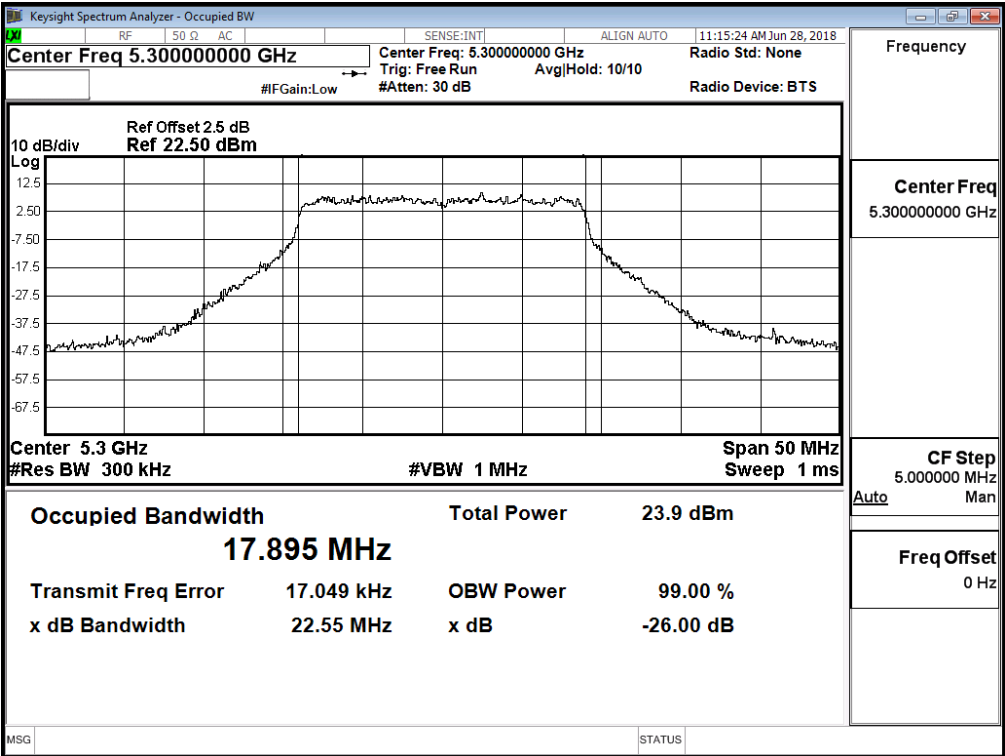
Channel 140 -Chain B



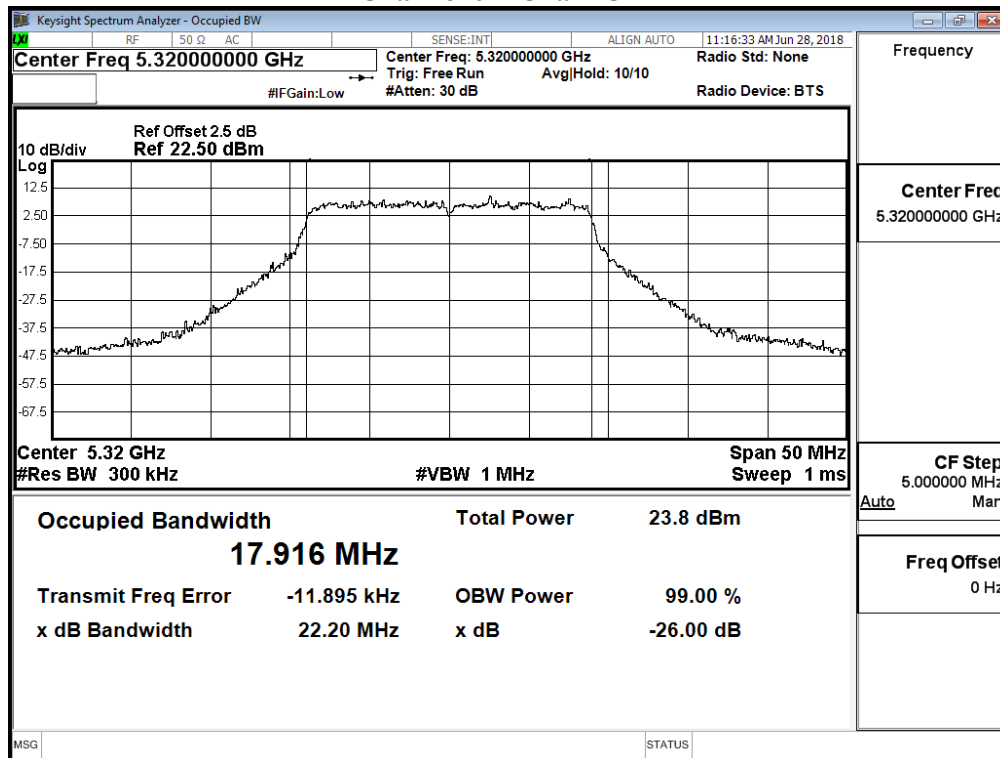
99% Bandwidth:
Channel 52 -Chain C



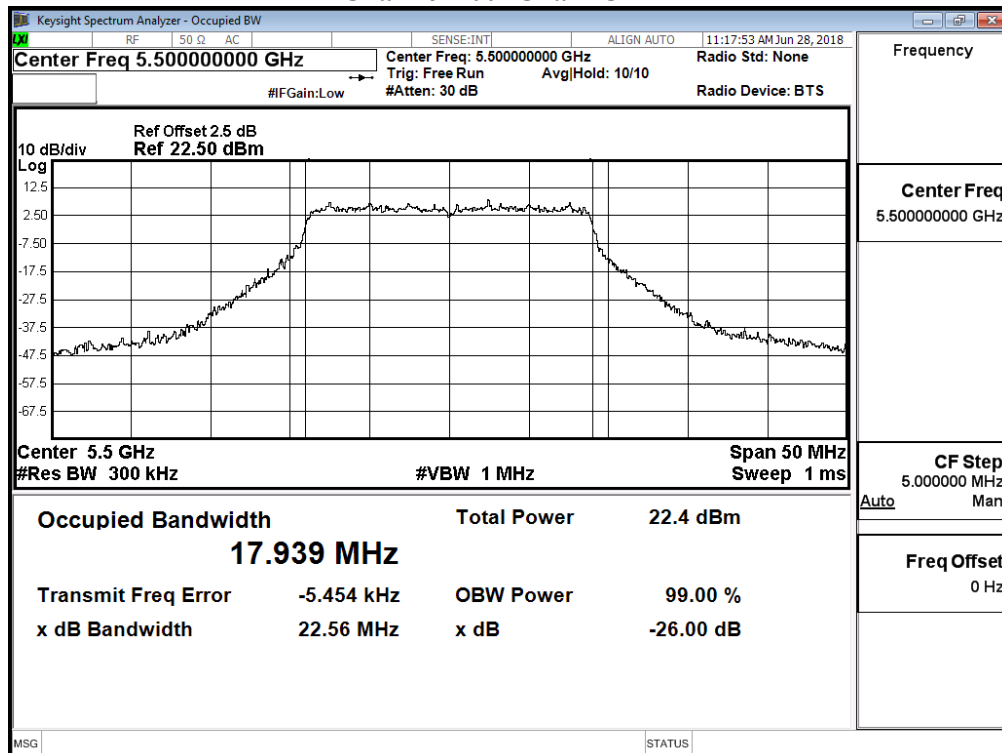
Channel 60 -Chain C



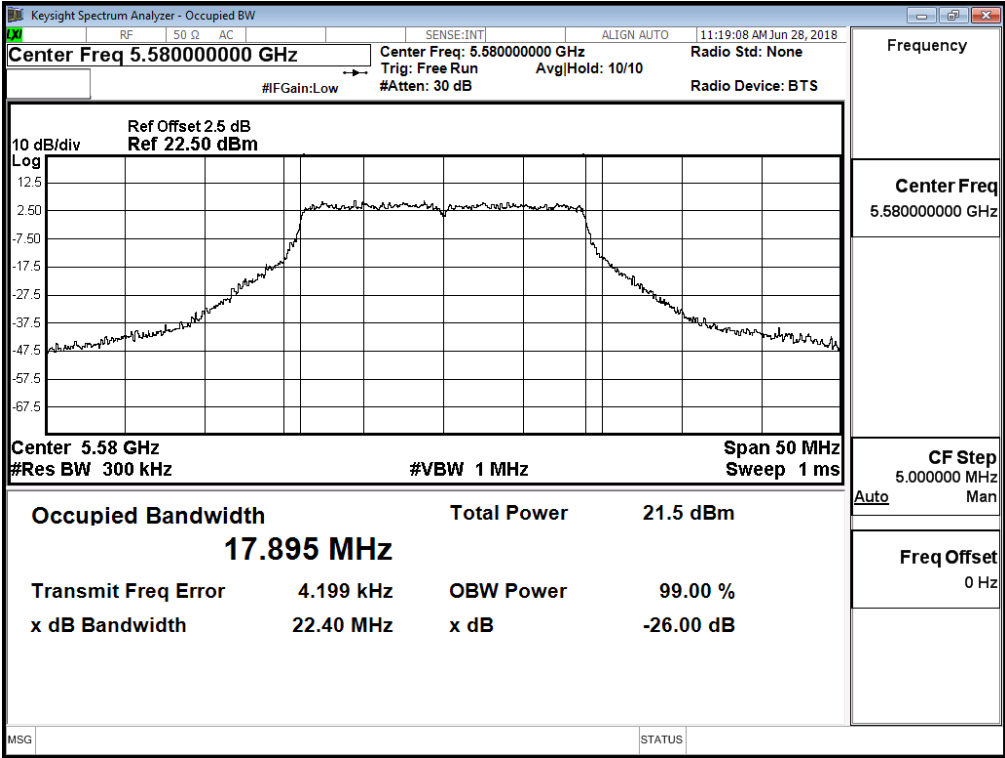
Channel 64 -Chain C



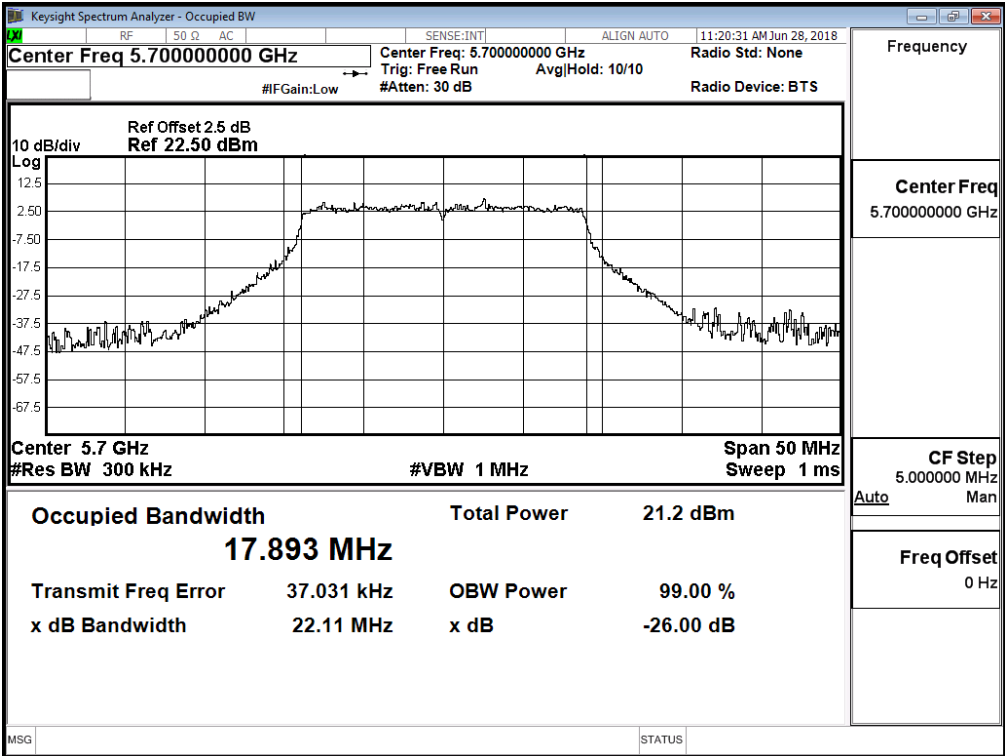
Channel 100 -Chain C



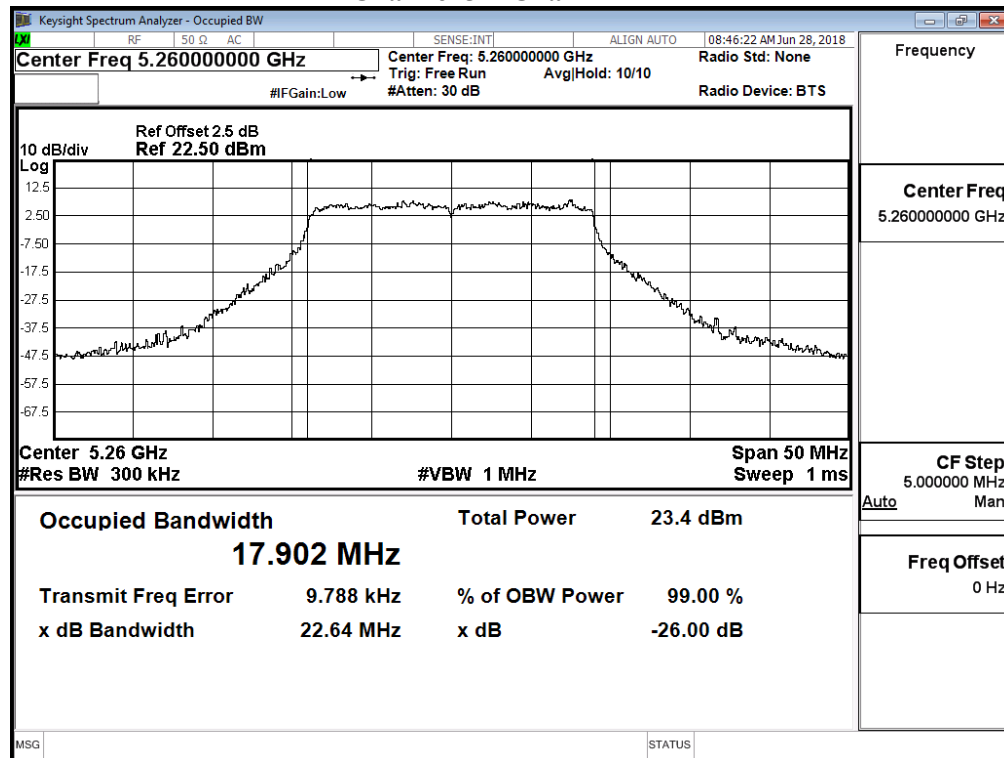
Channel 116 -Chain C



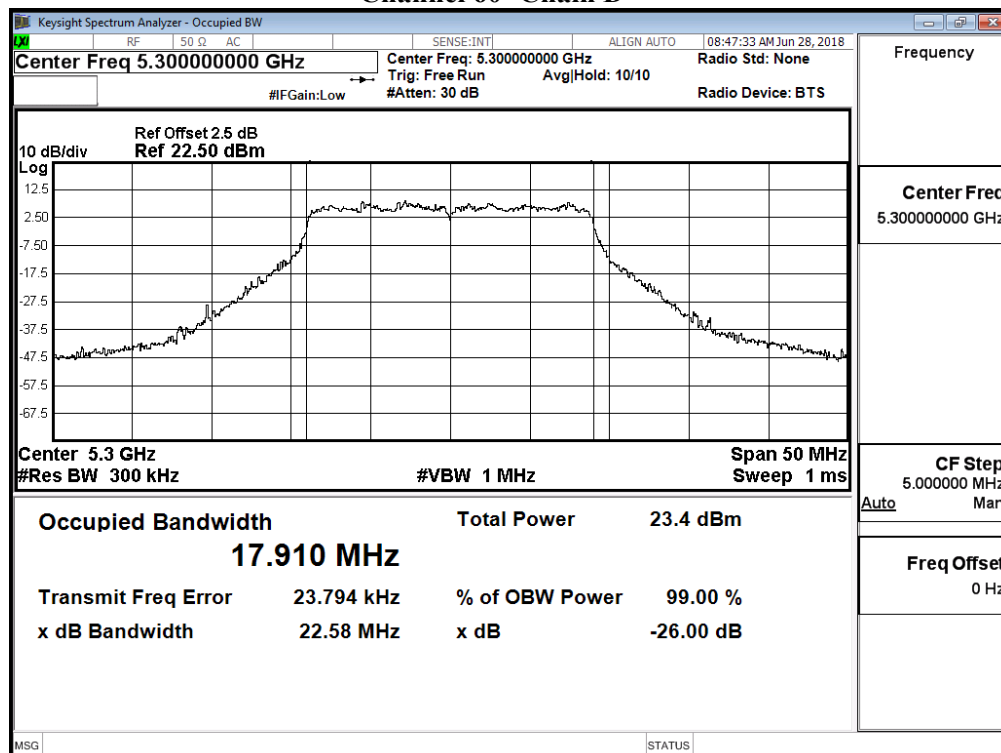
Channel 140 -Chain C



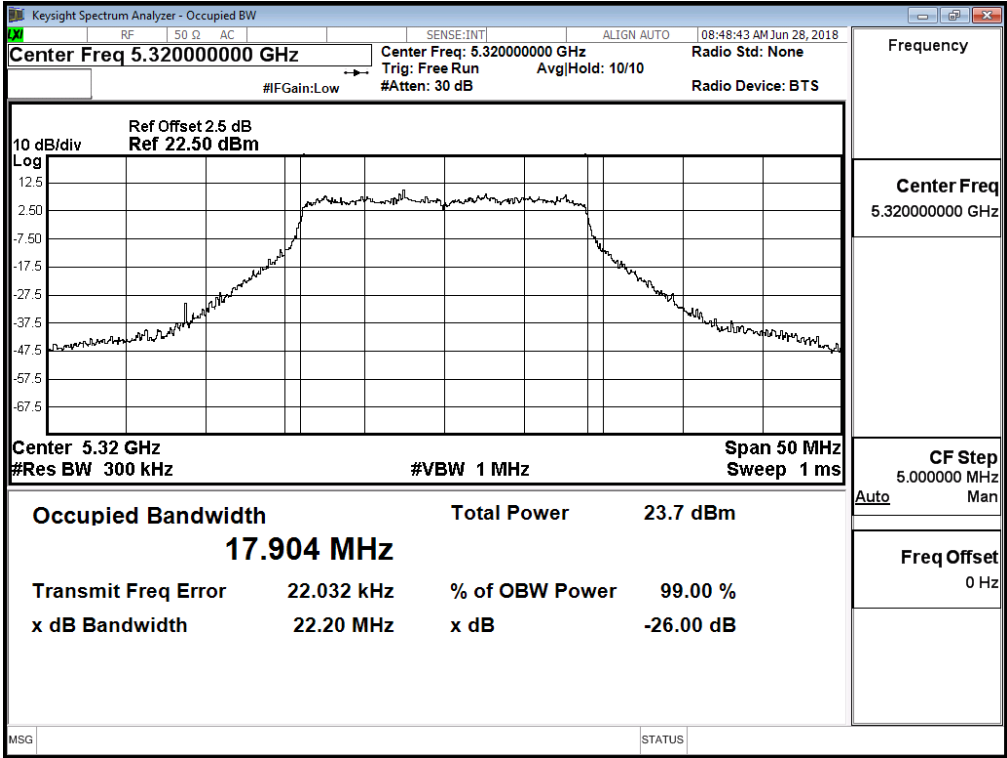
99% Bandwidth:
Channel 52 -Chain D



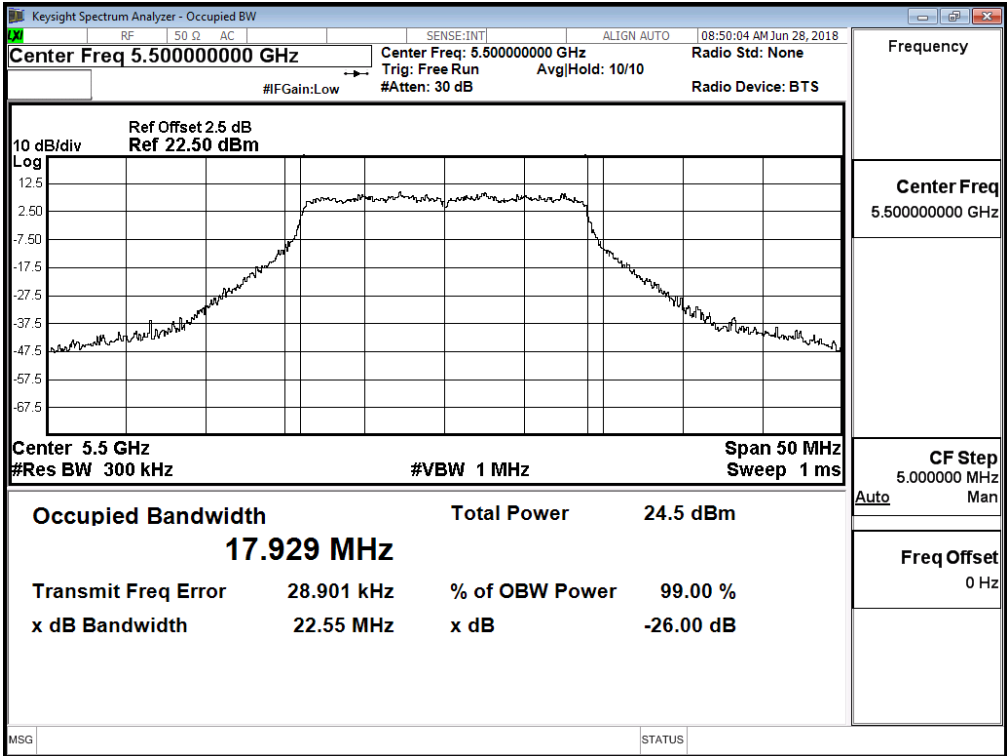
Channel 60 -Chain D



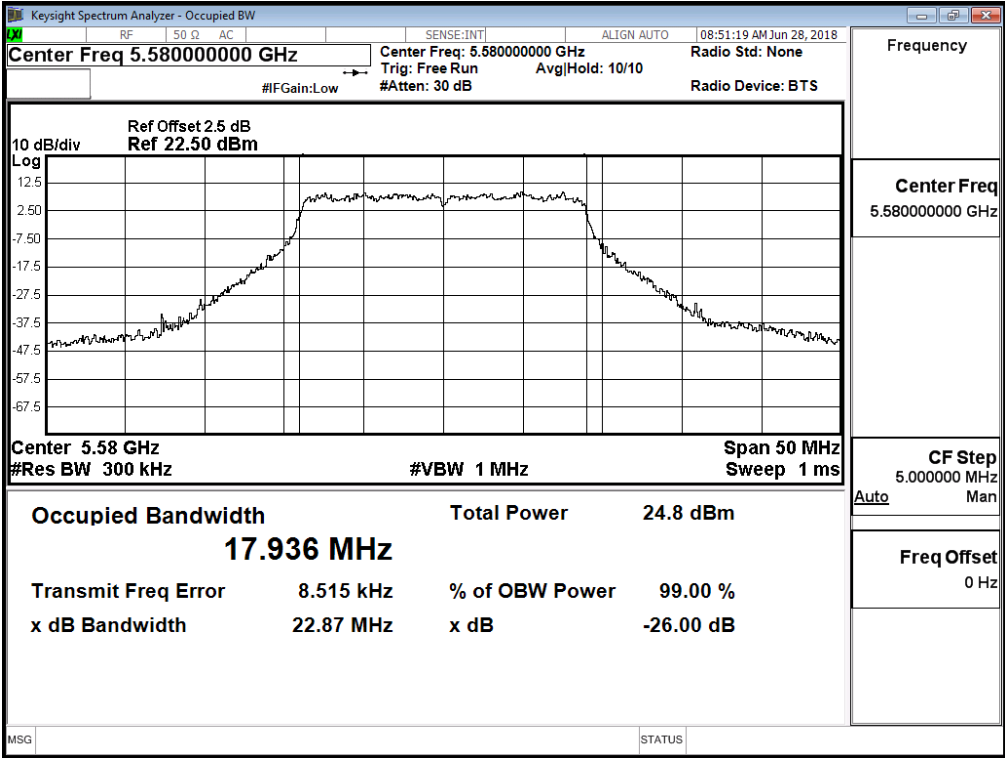
Channel 64 -Chain D



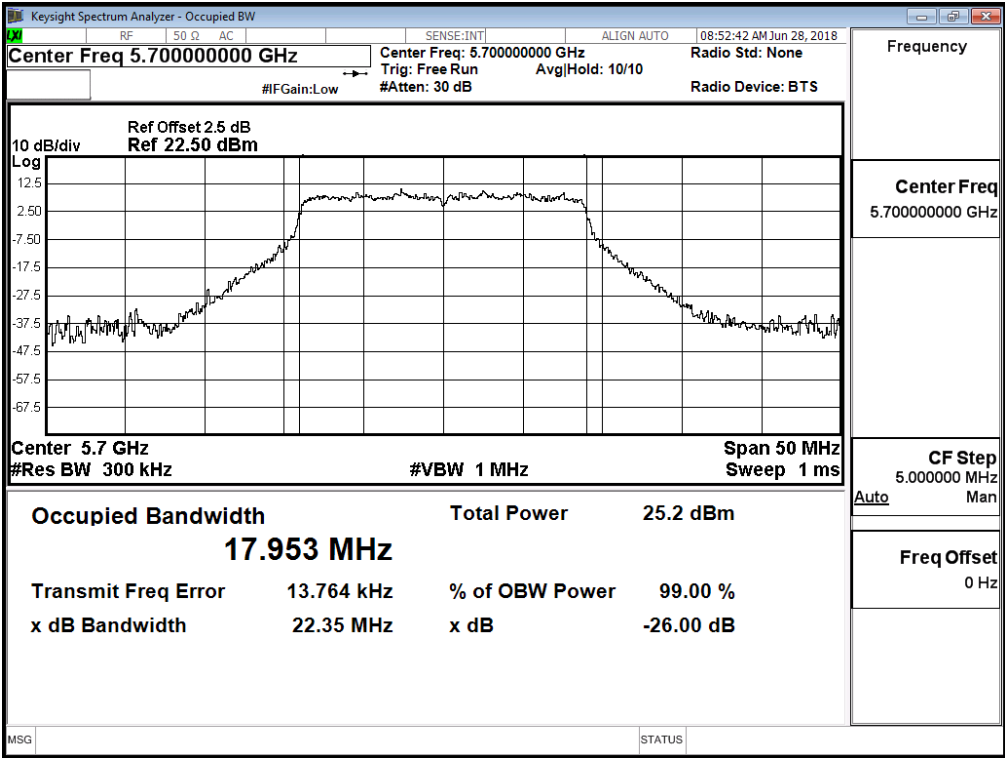
Channel 100 -Chain D



Channel 116 -Chain D



Channel 140 -Chain D



Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Maximum conducted output power
 Test Site : No.3 OATS
 Test Date : 2018/06/14
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (Antenna No.19)

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	15.15	--	--	--	--	--	--	--	<21.5dBm
46	5230	15.21	15.16	15.11	15.05	15	14.94	14.86	14.78	<21.5dBm
54	5270	15.07	--	--	--	--	--	--	--	<21.5dBm
62	5310	15.26	15.16	15.11	15.03	14.93	14.88	14.8	14.75	<21.5dBm
102	5510	15.47	--	--	--	--	--	--	--	<21.5dBm
110	5550	15.29	15.22	15.13	15.08	15.03	14.96	14.89	14.83	<21.5dBm
134	5670	14.71	--	--	--	--	--	--	--	<21.5dBm
151	5755	18.51	--	--	--	--	--	--	--	<27.5dBm
159	5795	18.83	18.73	18.64	18.59	18.52	18.46	18.4	18.34	<27.5dBm

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	15.17	--	--	--	--	--	--	--	<21.5dBm
46	5230	15.34	15.24	15.14	15.04	14.98	14.91	14.81	14.73	<21.5dBm
54	5270	15.45	--	--	--	--	--	--	--	<21.5dBm
62	5310	15.35	15.28	15.21	15.16	15.07	14.97	14.88	14.82	<21.5dBm
102	5510	15.37	--	--	--	--	--	--	--	<21.5dBm
110	5550	15.11	15.05	14.96	14.9	14.83	14.75	14.67	14.59	<21.5dBm
134	5670	15.23	--	--	--	--	--	--	--	<21.5dBm
151	5755	19.62	--	--	--	--	--	--	--	<27.5dBm
159	5795	19.51	19.45	19.38	19.3	19.21	19.15	19.07	19.01	<27.5dBm

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

CHAIN C

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	15.6	--	--	--	--	--	--	--	<21.5dBm
46	5230	15.59	15.54	15.46	15.37	15.31	15.24	15.19	15.11	<21.5dBm
54	5270	15.58	--	--	--	--	--	--	--	<21.5dBm
62	5310	15.98	15.9	15.84	15.75	15.7	15.64	15.59	15.5	<21.5dBm
102	5510	15.67	--	--	--	--	--	--	--	<21.5dBm
110	5550	15.43	15.35	15.25	15.2	15.14	15.05	14.96	14.91	<21.5dBm
134	5670	15.91	--	--	--	--	--	--	--	<21.5dBm
151	5755	19.24	--	--	--	--	--	--	--	<27.5dBm
159	5795	19.01	18.92	18.84	18.75	18.69	18.61	18.53	18.45	<27.5dBm

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

CHAIN D

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	14.45	--	--	--	--	--	--	--	<21.5dBm
46	5230	14.7	14.62	14.54	14.45	14.37	14.28	14.21	14.16	<21.5dBm
54	5270	14.47	--	--	--	--	--	--	--	<21.5dBm
62	5310	14.77	14.67	14.61	14.54	14.48	14.43	14.33	14.27	<21.5dBm
102	5510	15.16	--	--	--	--	--	--	--	<21.5dBm
110	5550	15.16	15.06	14.99	14.93	14.83	14.78	14.73	14.63	<21.5dBm
134	5670	15.85	--	--	--	--	--	--	--	<21.5dBm
151	5755	19.67	--	--	--	--	--	--	--	<27.5dBm
159	5795	19.61	19.51	19.45	19.35	19.3	19.24	19.19	19.14	<27.5dBm

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

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

Channel No	Frequency Range (MHz)	99% Bandwidth (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Output Power (dBm)	Output Power Limit		Result
								(dBm)	dBm+10log(BW)	
38	5190	--	15.15	15.17	15.60	14.45	21.13	21.5	--	Pass
46	5230	--	15.21	15.34	15.59	14.70	21.24	21.5	--	Pass
54	5270	36.427	15.07	15.45	15.58	14.47	21.18	21.5	24.11	Pass
62	5310	36.434	15.26	15.35	15.98	14.77	21.38	21.5	24.12	Pass
102	5510	36.462	15.47	15.37	15.67	15.16	21.44	21.5	24.12	Pass
110	5550	36.432	15.29	15.11	15.43	15.16	21.27	21.5	24.11	Pass
134	5670	36.421	14.71	15.23	15.91	15.85	21.47	21.5	24.11	Pass
151	5755	--	18.51	19.62	19.24	19.67	25.30	27.5	--	Pass
159	5795	--	18.83	19.51	19.01	19.61	25.27	27.5	--	Pass

Note:

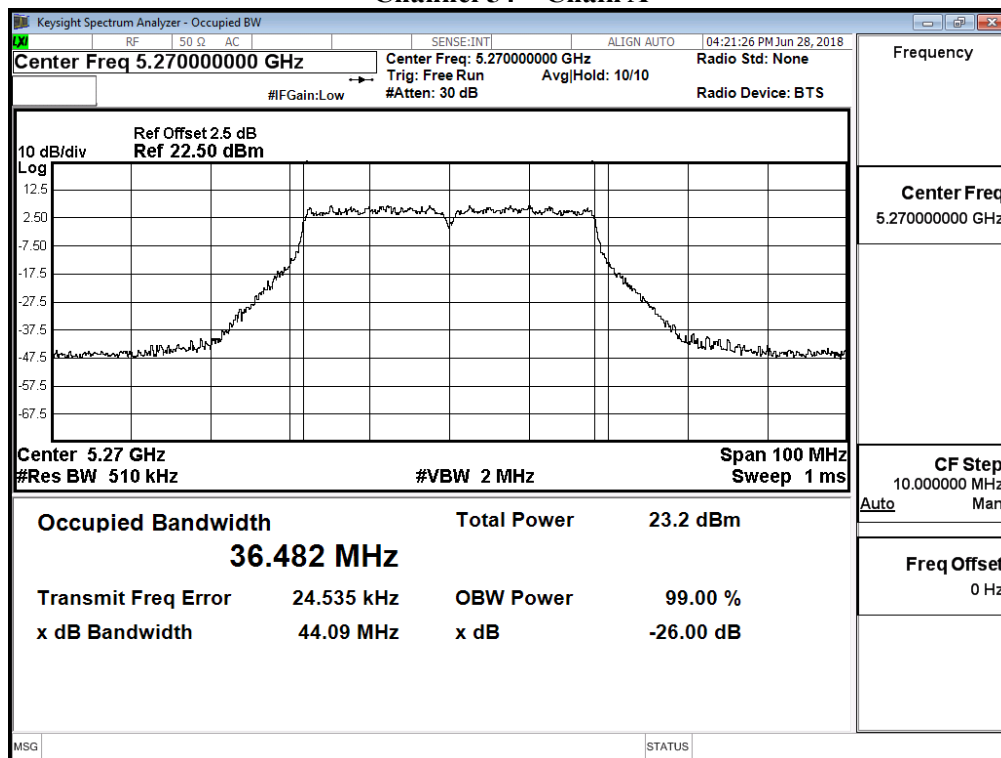
1. Output Power (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW) + Chain C (mW) + Chain D (mW))
2. 26 dB Bandwidth is the bandwidth of chain A, chain B, chain C or chain D whichever is less bandwidth, output power limitation is more stringent.

**Maximum conducted output power Measurement with Transmit power Control (TPC)
(CHAIN A+ B+C+D)**

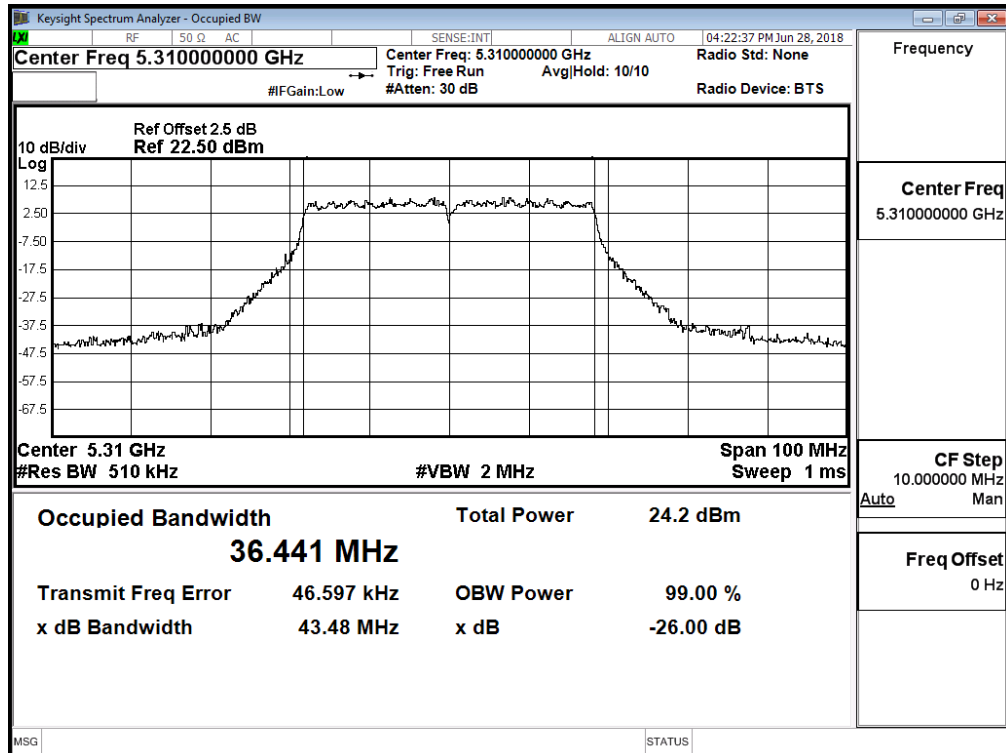
Channel No	Frequency Range (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Output Power (dBm)	Result
54	5270	8.95	9.17	9.39	8.36	15.00	Pass
62	5310	8.88	9.23	9.76	8.64	15.17	Pass
102	5510	9.24	9.08	9.41	8.78	15.15	Pass
110	5550	9.06	8.72	9.14	8.91	14.98	Pass
134	5670	8.38	9.01	9.58	9.58	15.19	Pass

99% Bandwidth:

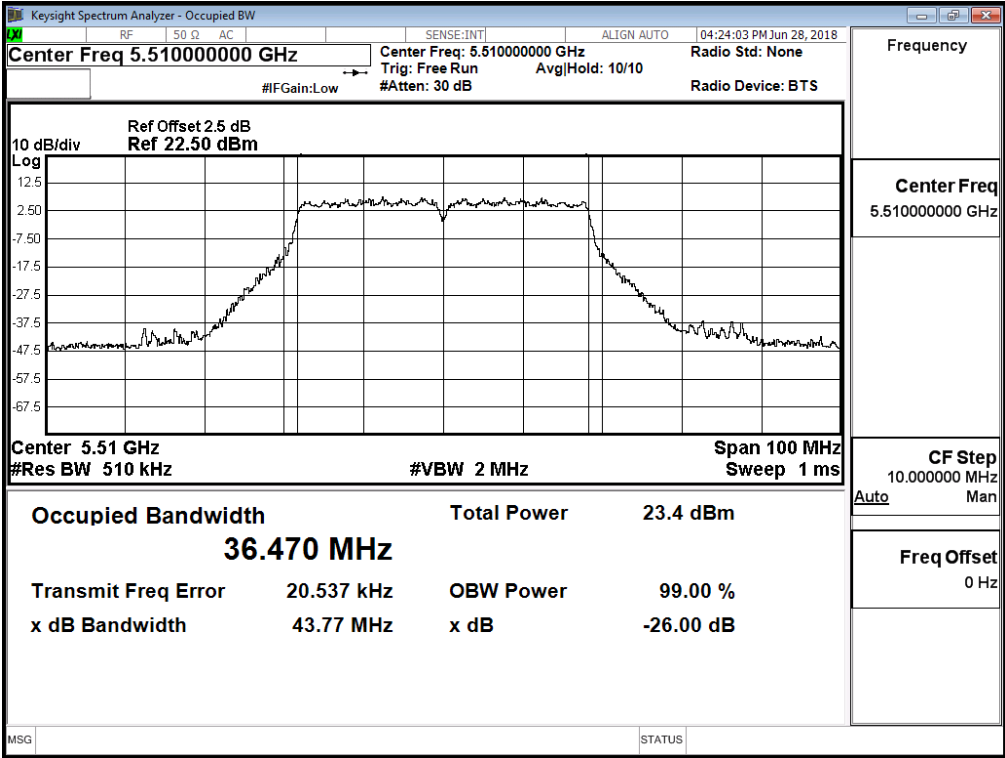
Channel 54 – Chain A



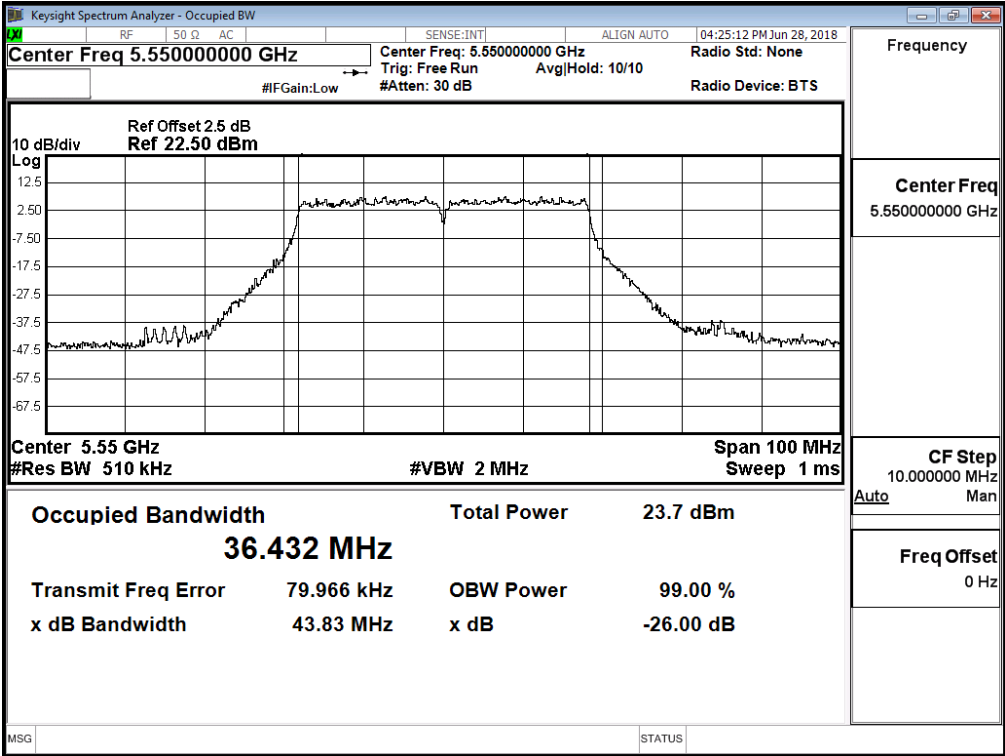
Channel 62 – Chain A



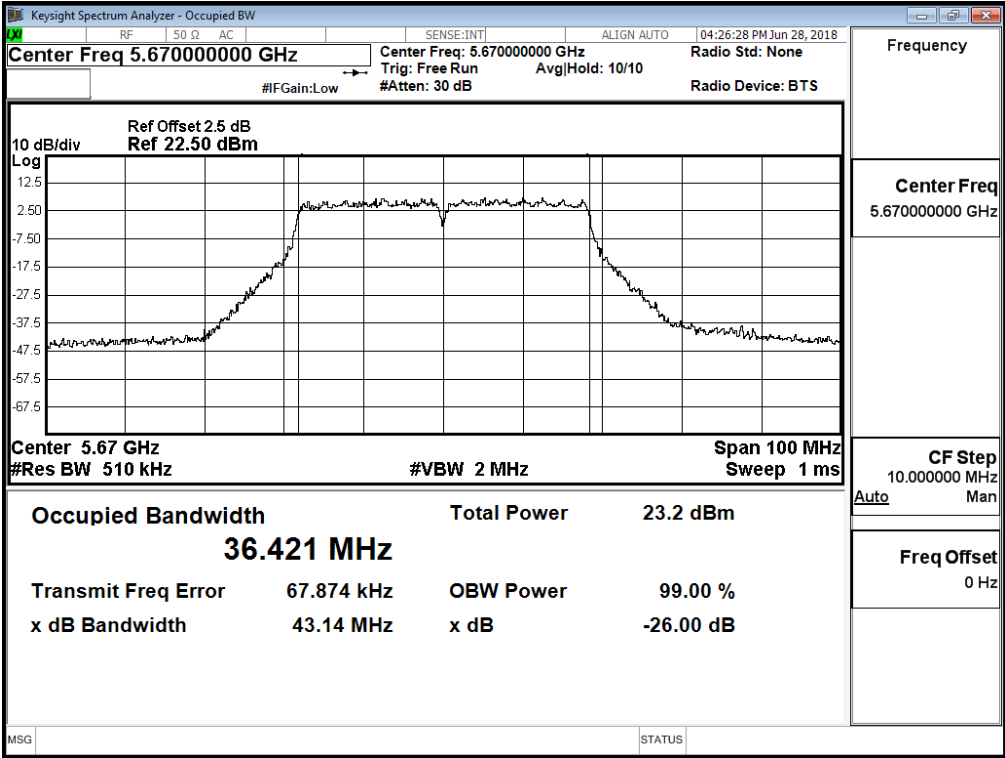
Channel 102 – Chain A



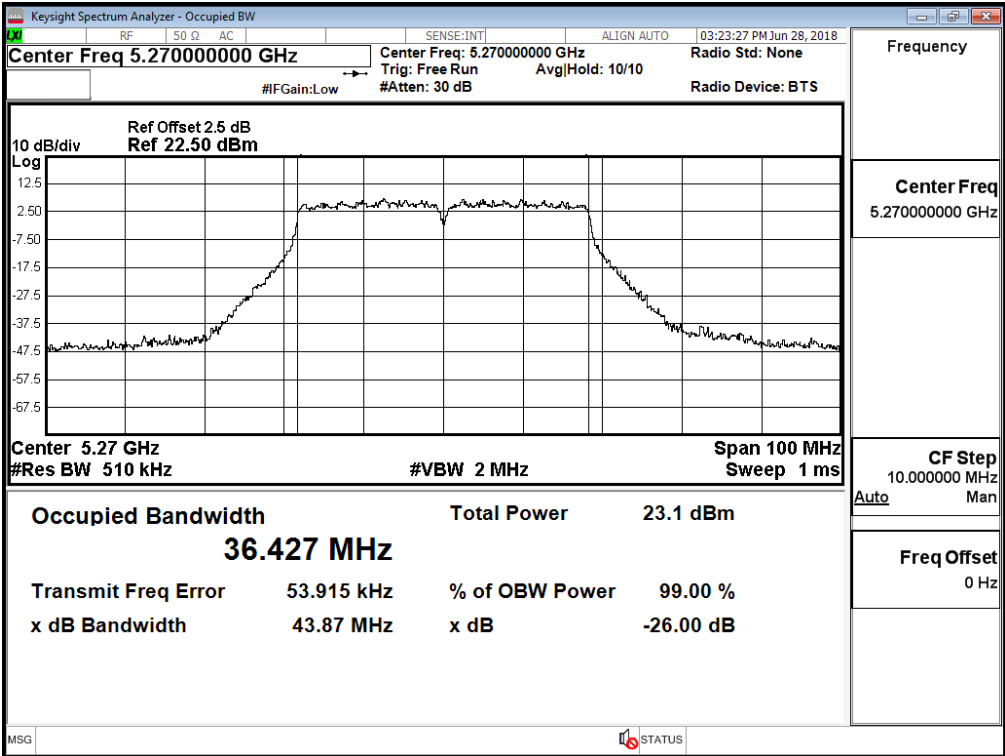
Channel 110 – Chain A



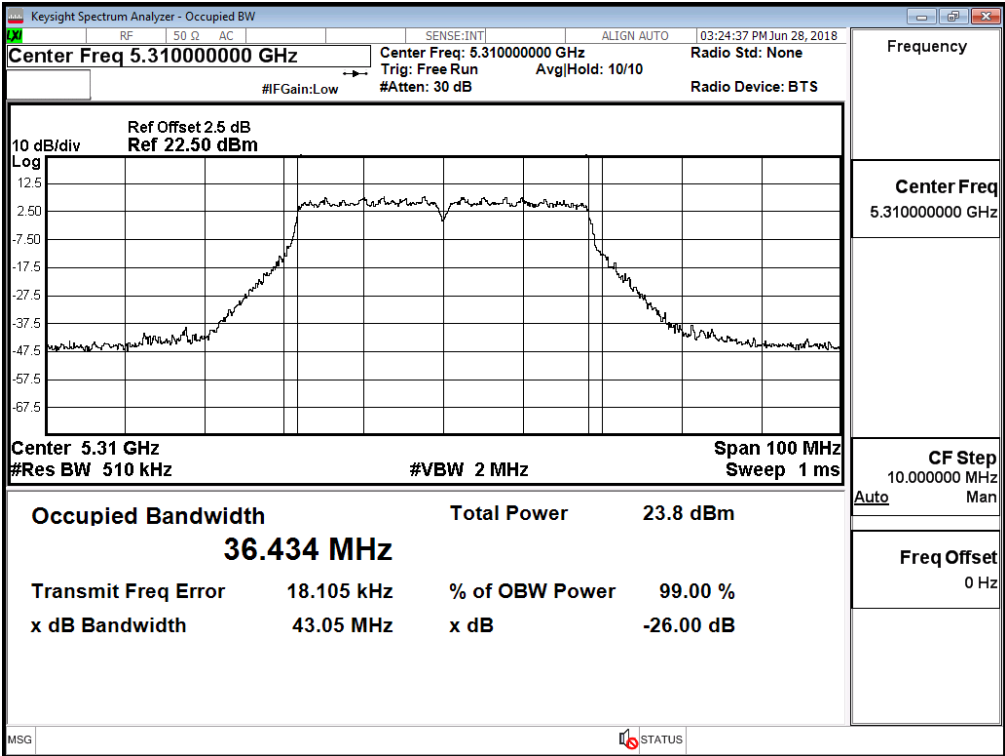
Channel 134 – Chain A



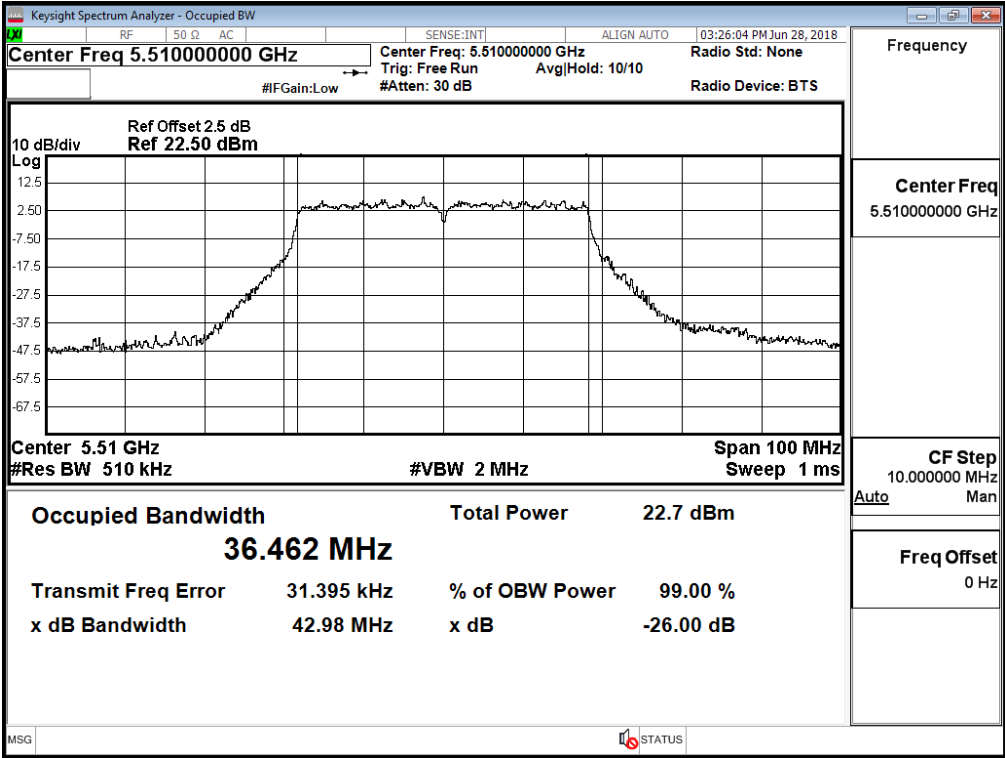
99% Bandwidth:
Channel 54 – Chain B



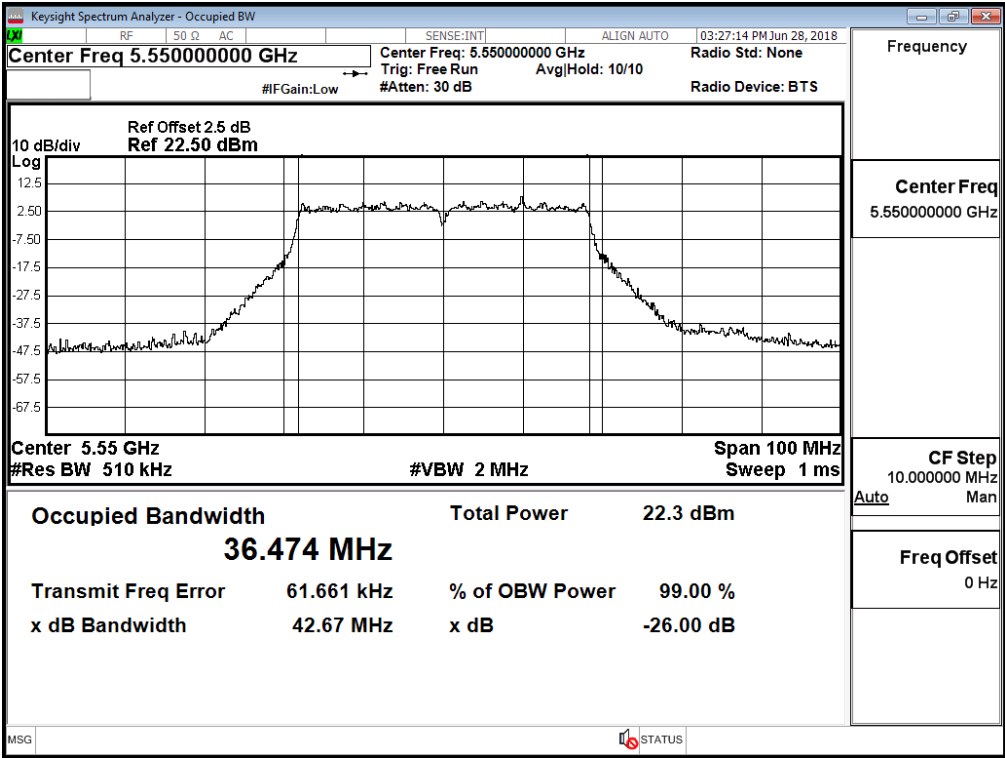
Channel 62 – Chain B



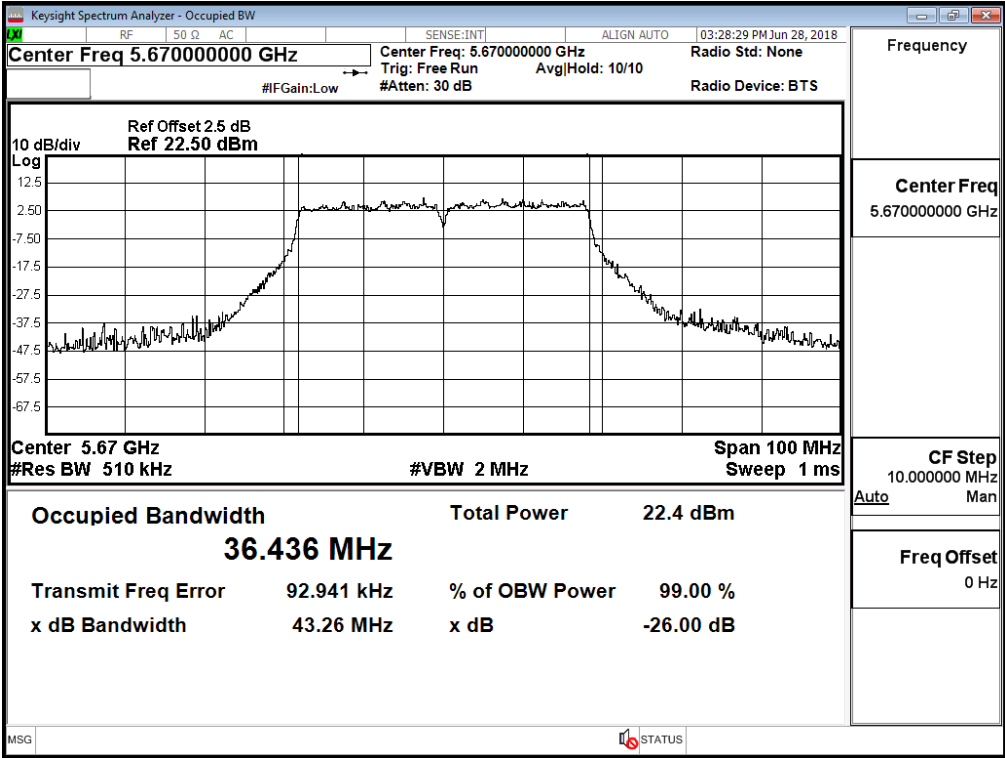
Channel 102 – Chain B



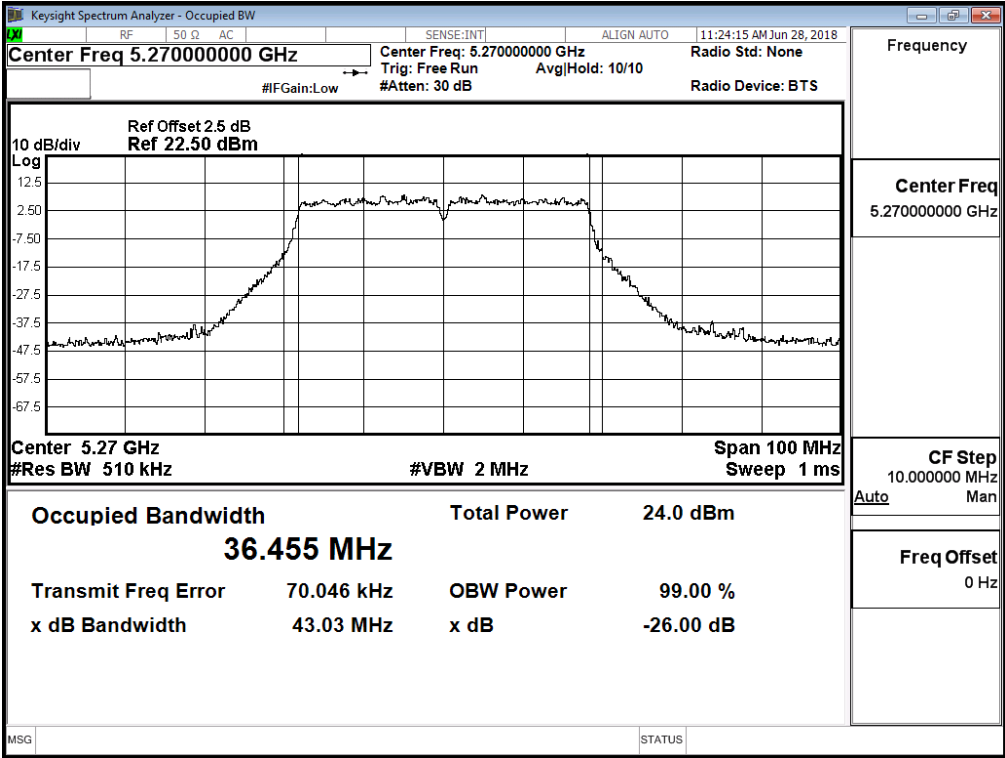
Channel 110 – Chain B



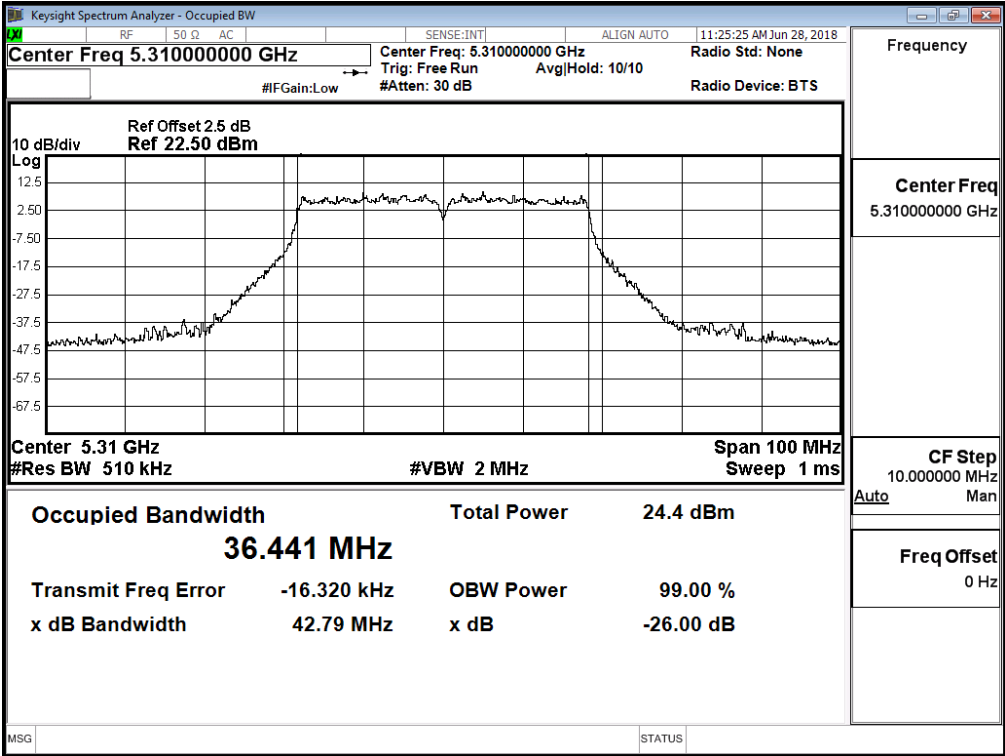
Channel 134 – Chain B



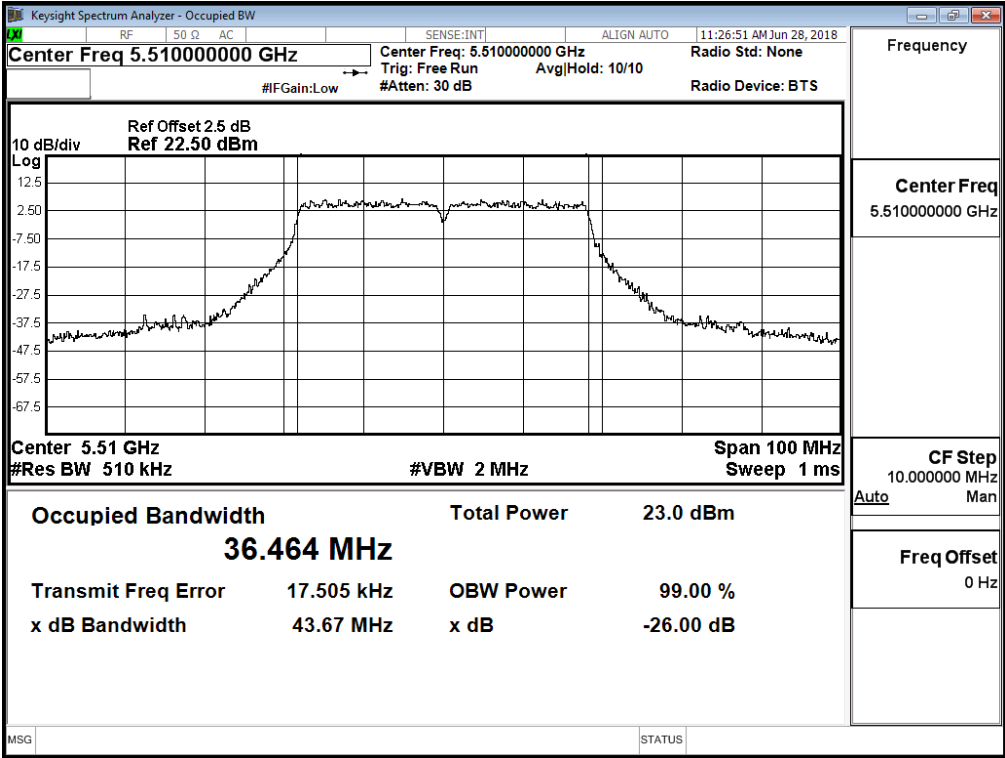
99% Bandwidth:
Channel 54 – Chain C



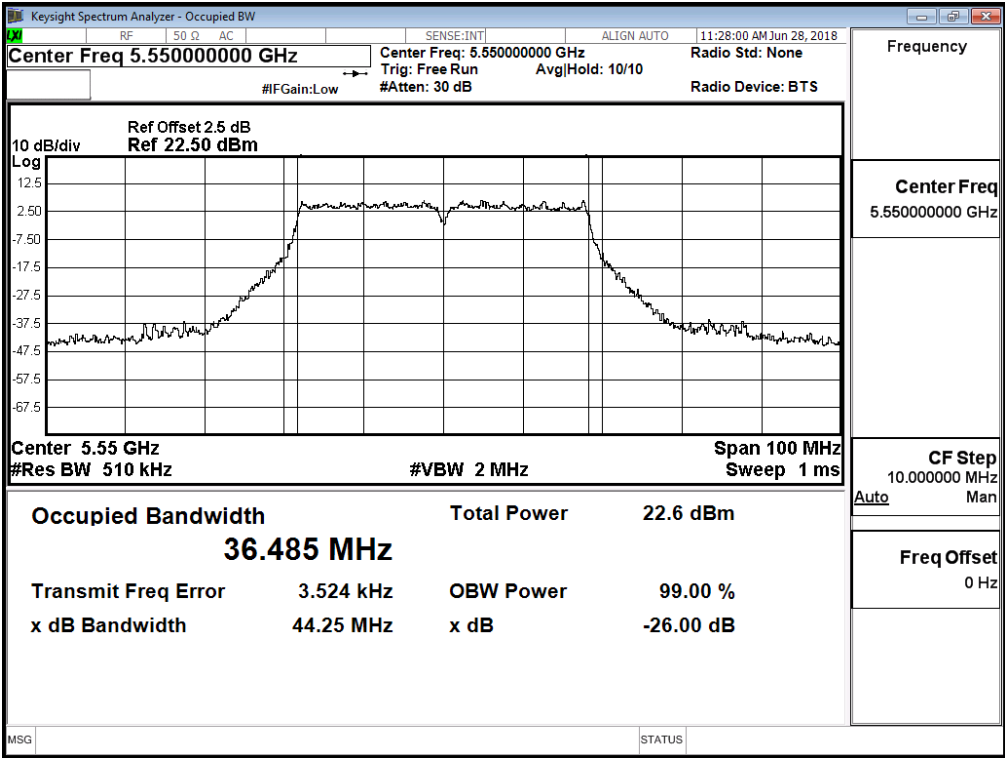
Channel 62 – Chain C



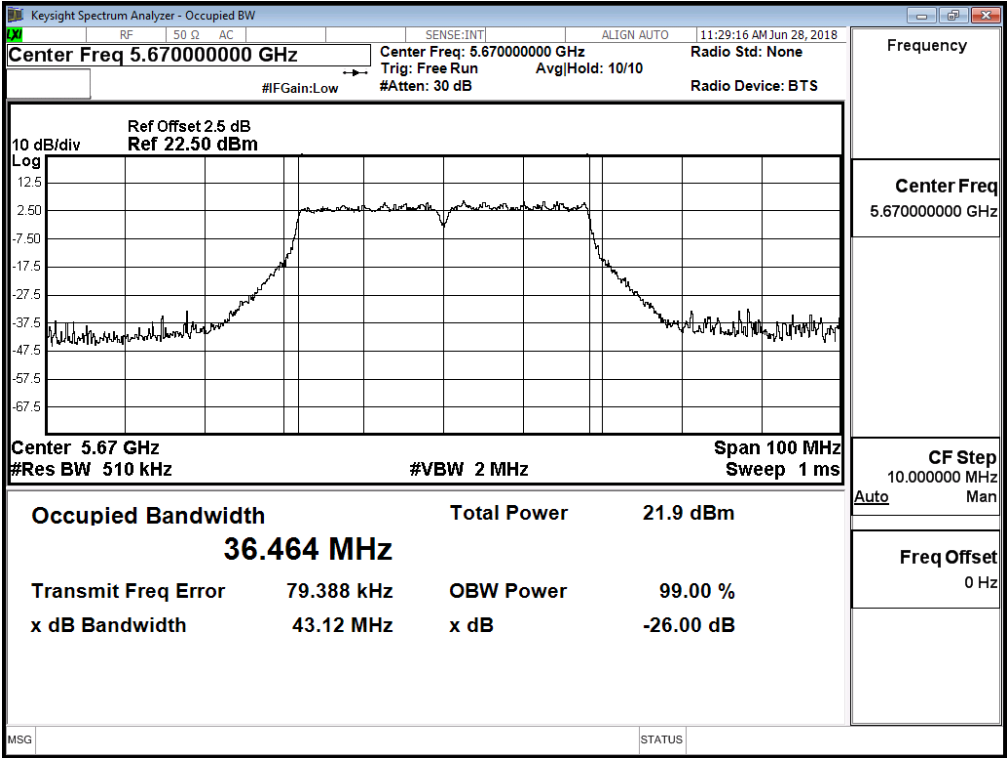
Channel 102 – Chain C



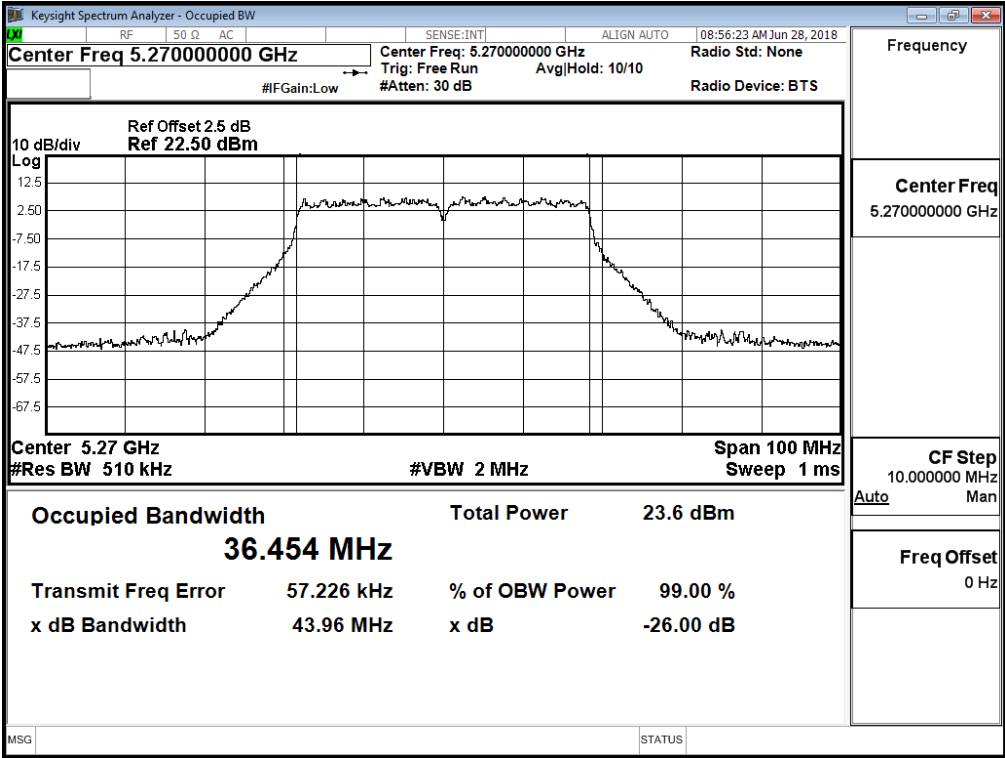
Channel 110 – Chain C



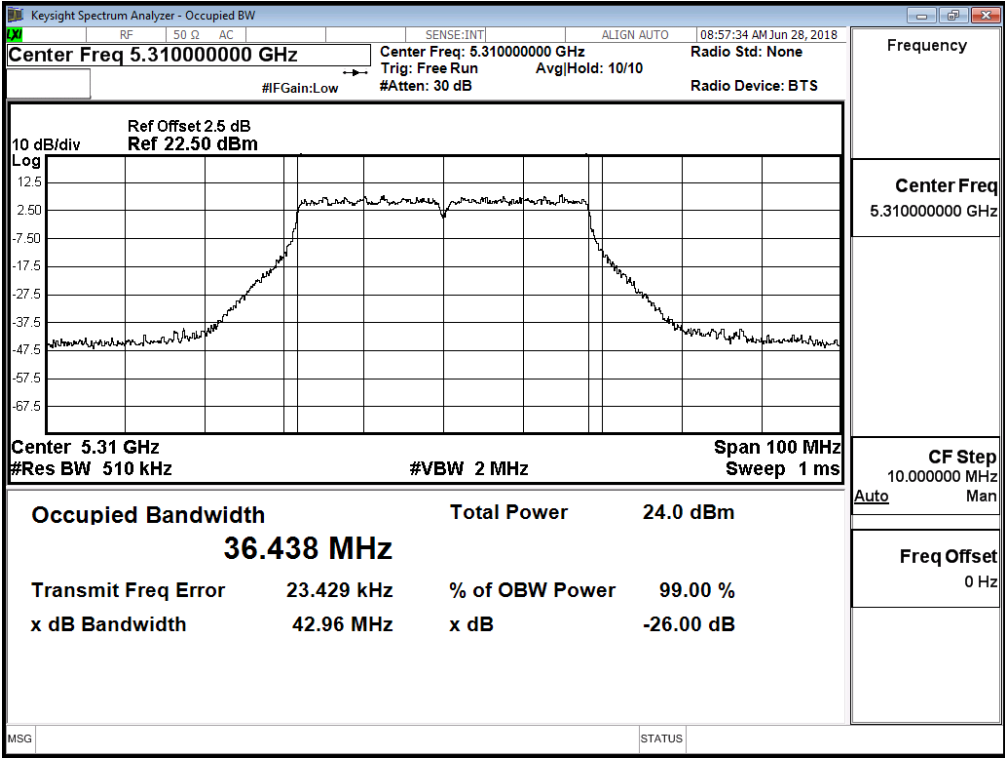
Channel 134 – Chain C



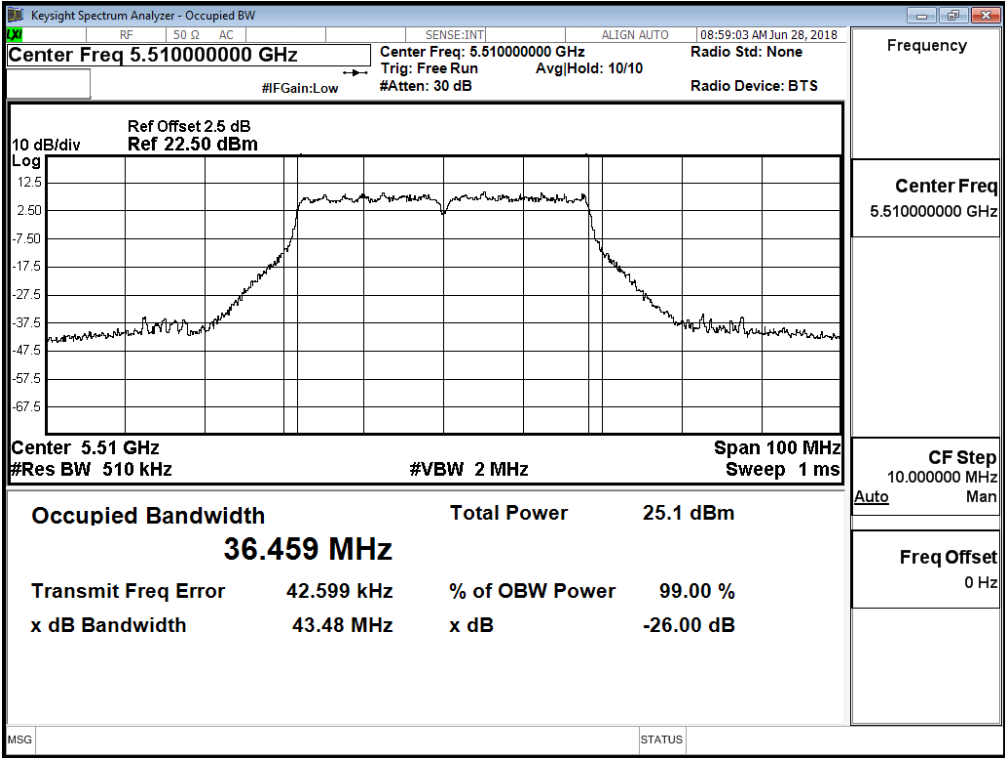
99% Bandwidth:
Channel 54 – Chain D



Channel 62 – Chain D



Channel 102 – Chain D



Channel 110 – Chain D

