

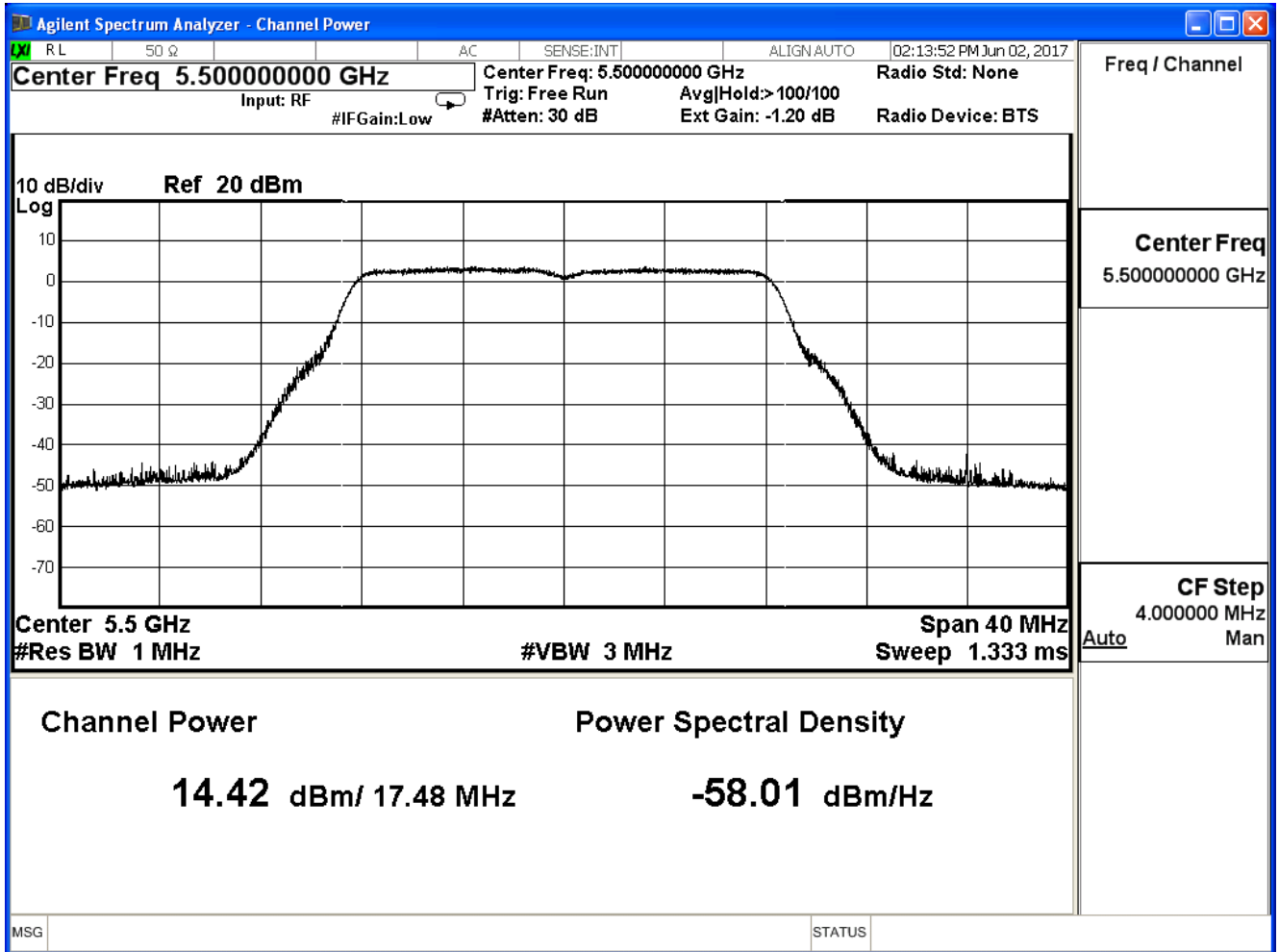
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: Tx_AD P: AD890326010-2LF_ CDD Mode (802.11 a)		
Date of Test	2017/06/02	Test Site	SR10-H

802.11a (ANT 0)

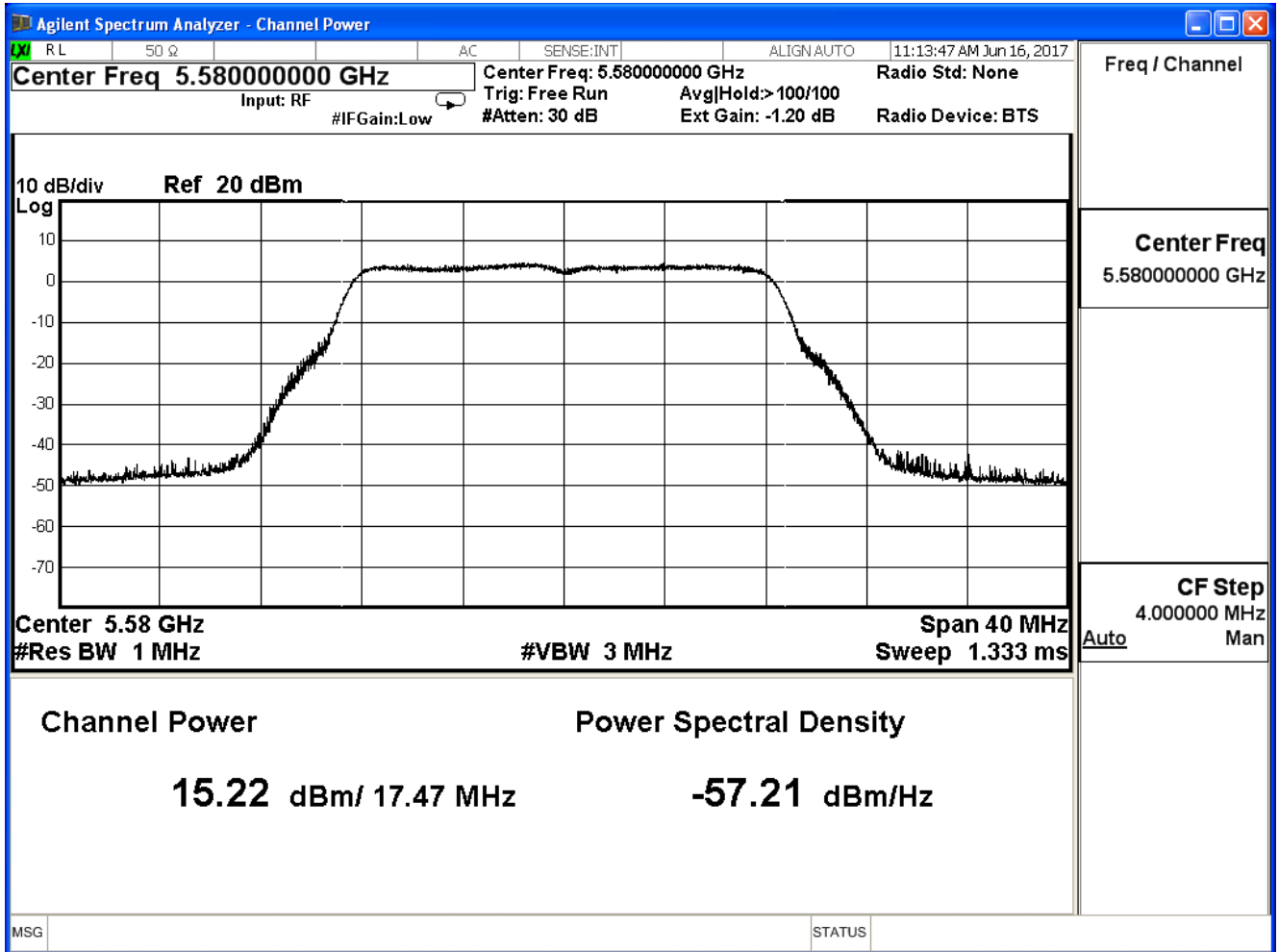
Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
100	5500	14.420	≤ 24
116	5580	15.220	≤ 24
140	5700	14.970	≤ 24

The worst emission of data rate is 6 Mbps.

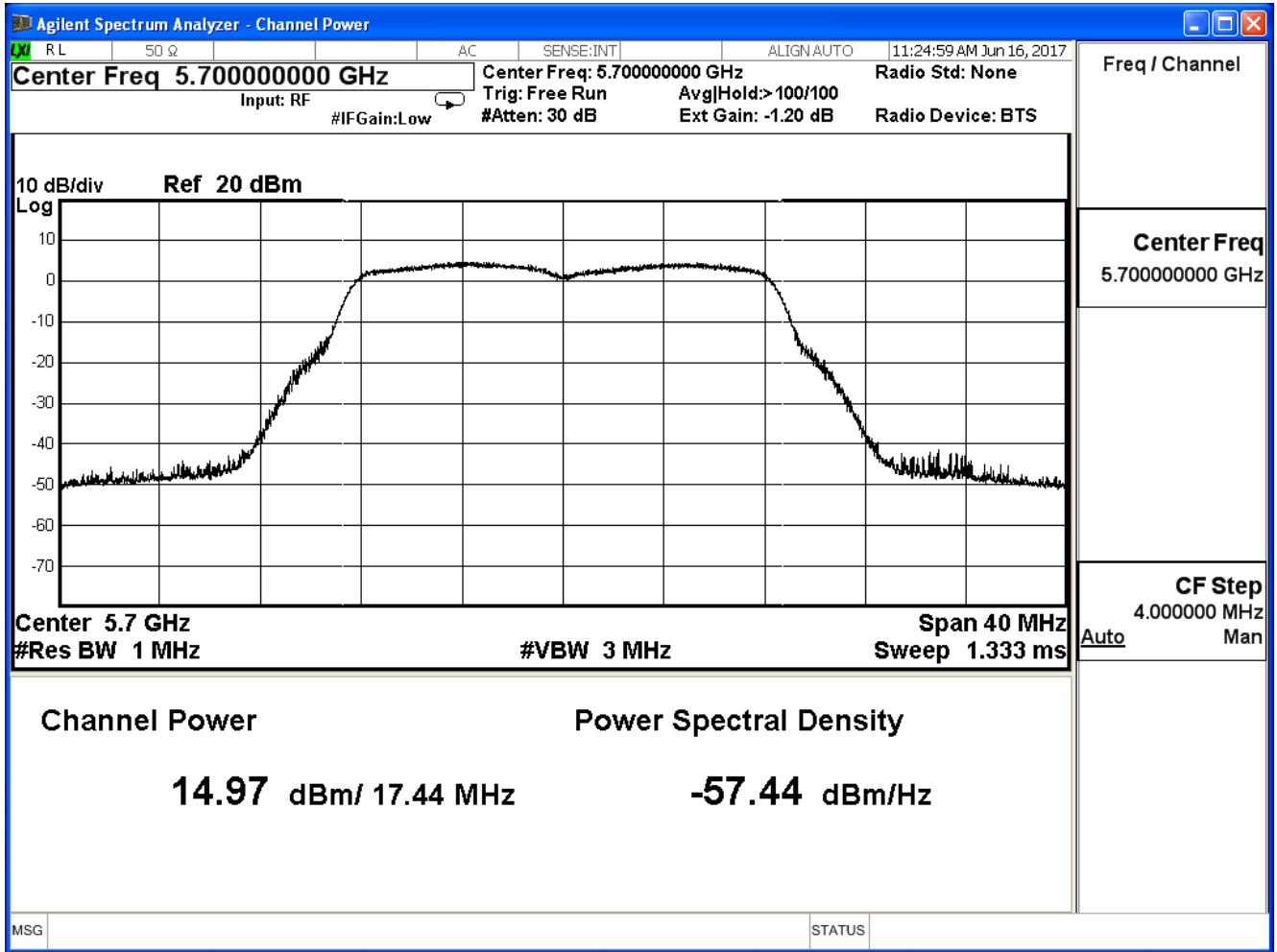
Channel 100 (5550MHz)



Channel 116 (5580MHz)



Channel 140 (5700MHz)



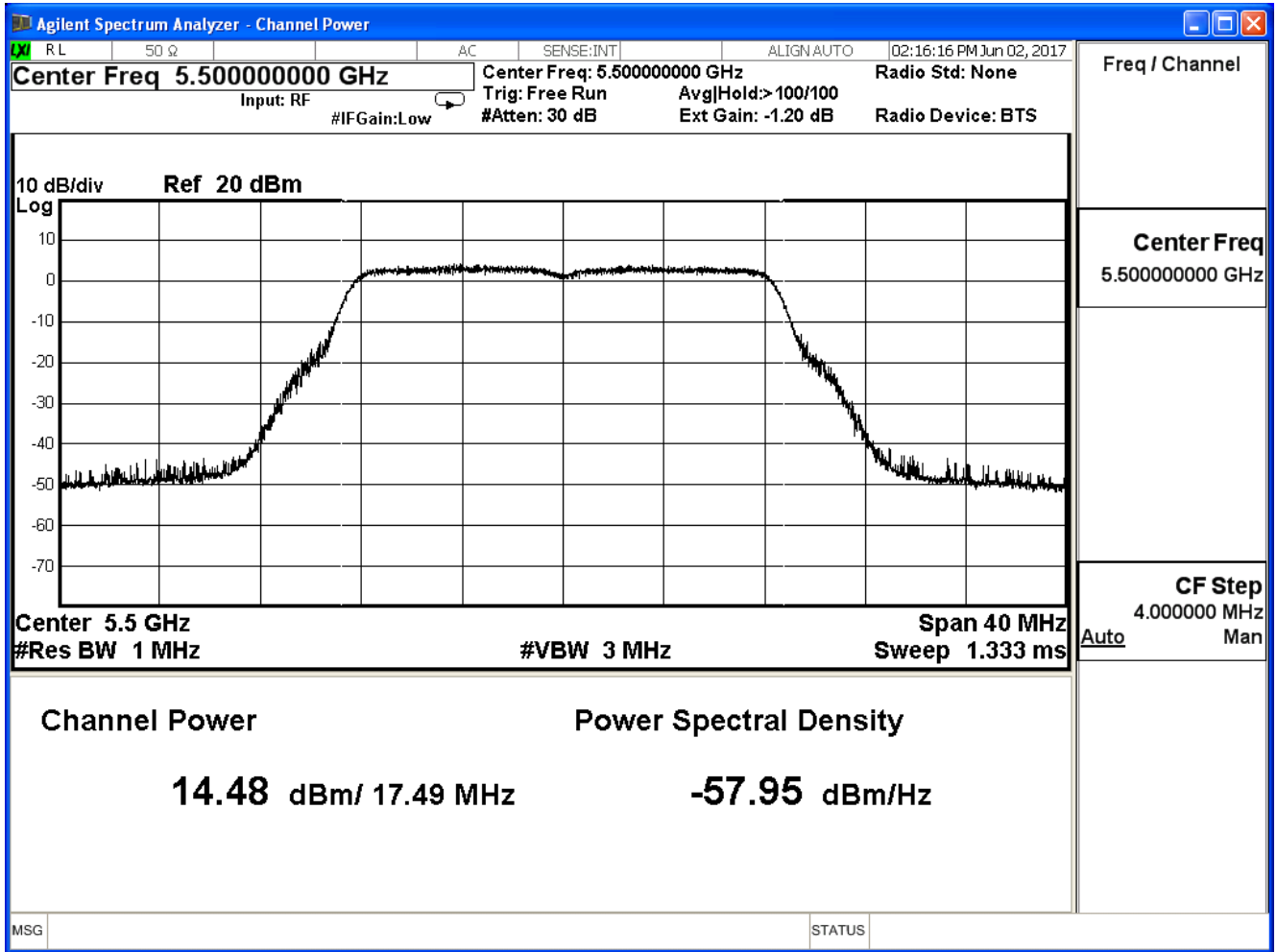
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: Tx_AD P: AD890326010-2LF_ CDD Mode (802.11 a)		
Date of Test	2017/06/02	Test Site	SR10-H

802.11a (ANT 1)

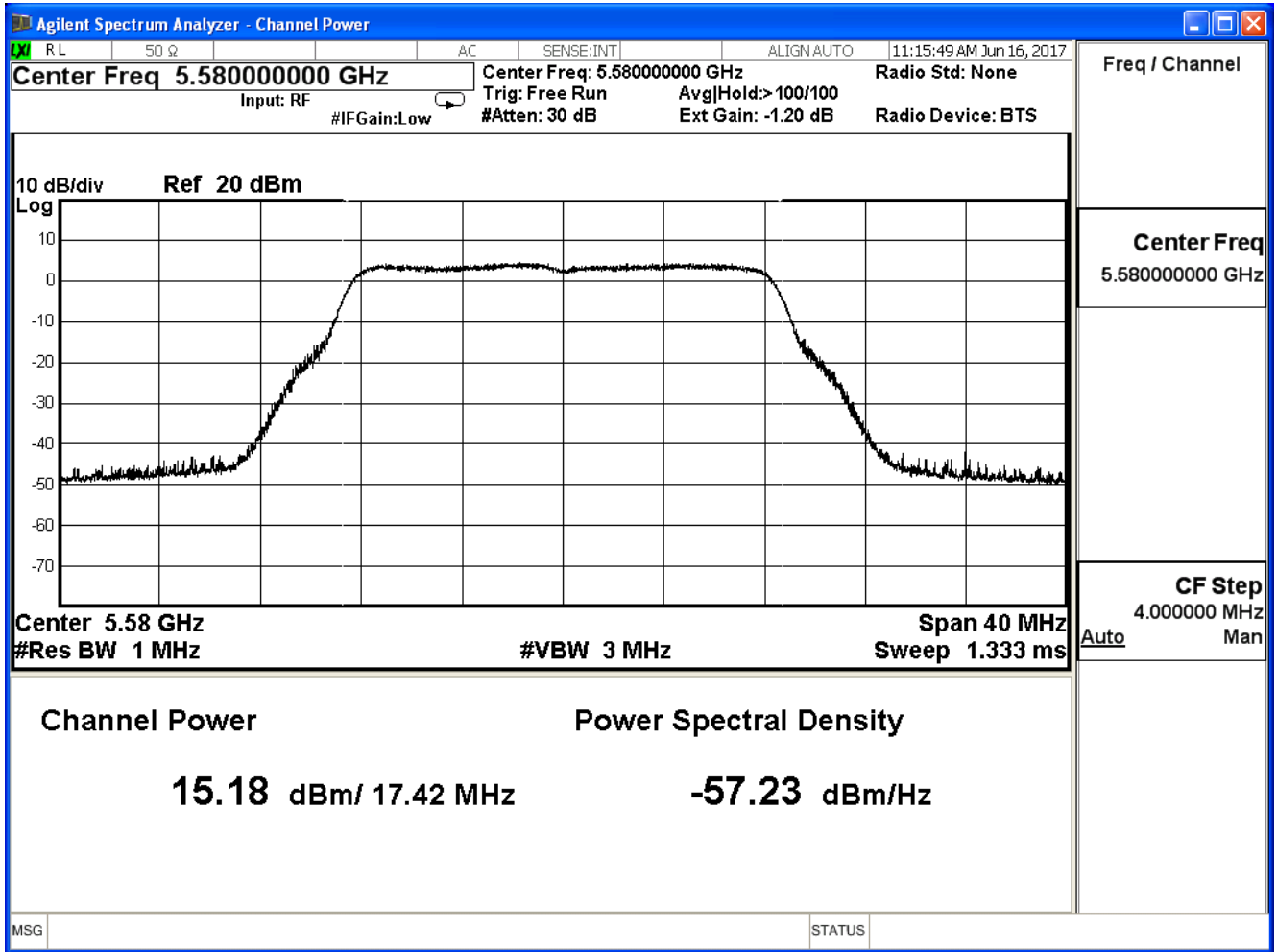
Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
100	5500	14.480	≤ 24
116	5580	15.180	≤ 24
140	5700	14.950	≤ 24

The worst emission of data rate is 6 Mbps.

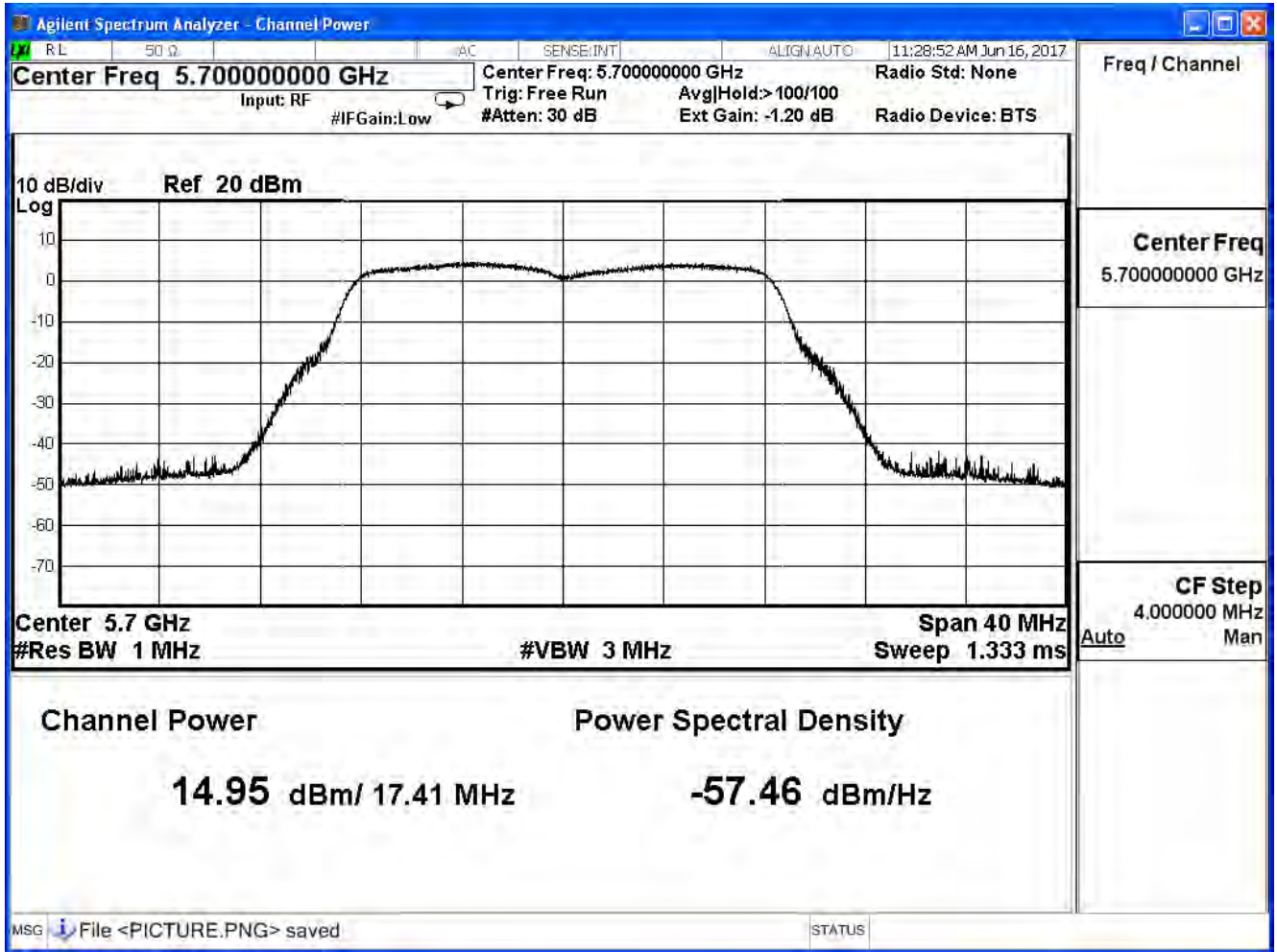
Channel 100 (5550MHz)



Channel 116 (5580MHz)



Channel 140 (5700MHz)



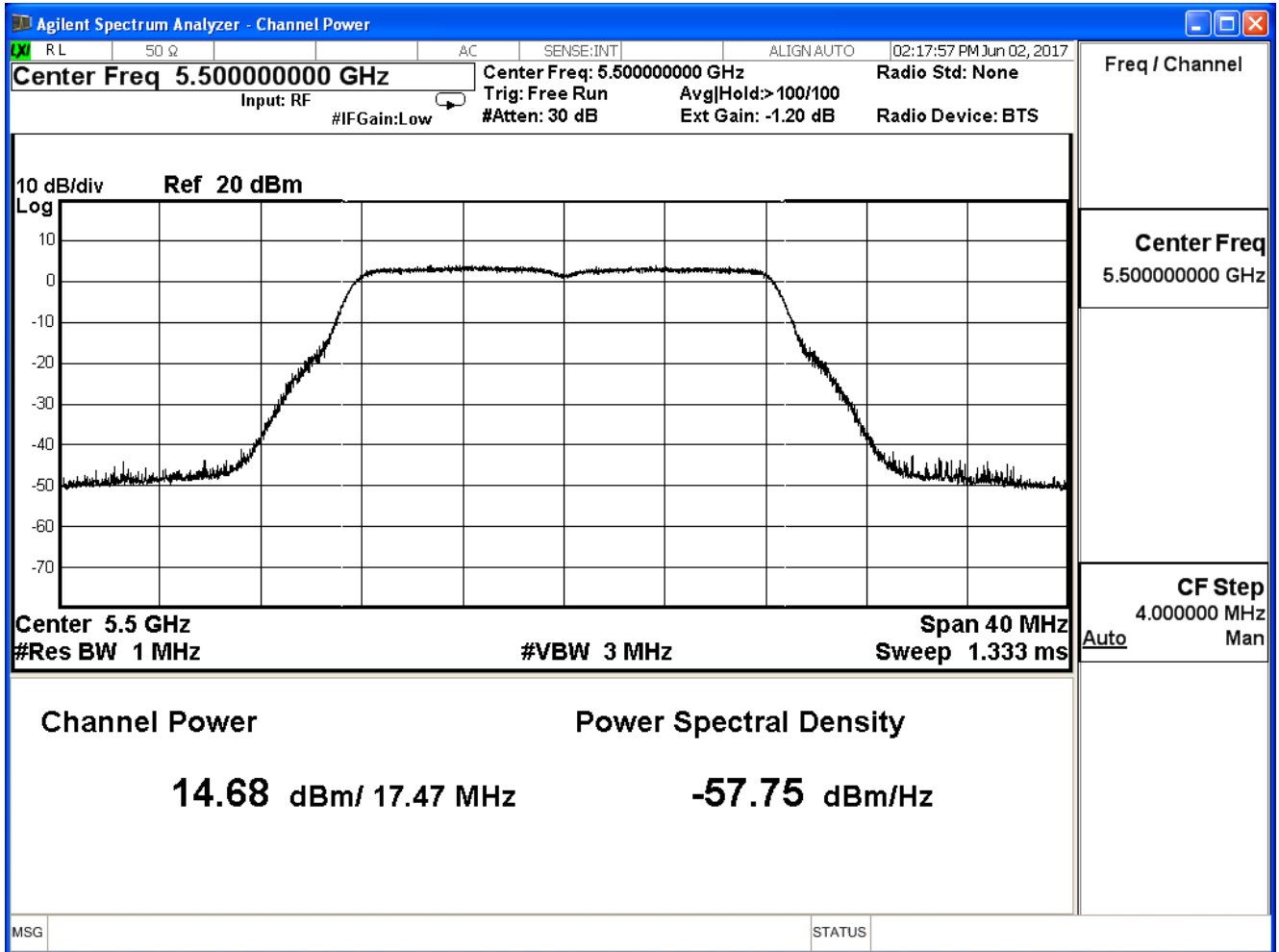
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: Tx_AD P: AD890326010-2LF_ CDD Mode (802.11 a)		
Date of Test	2017/06/02	Test Site	SR10-H

802.11a (ANT 2)

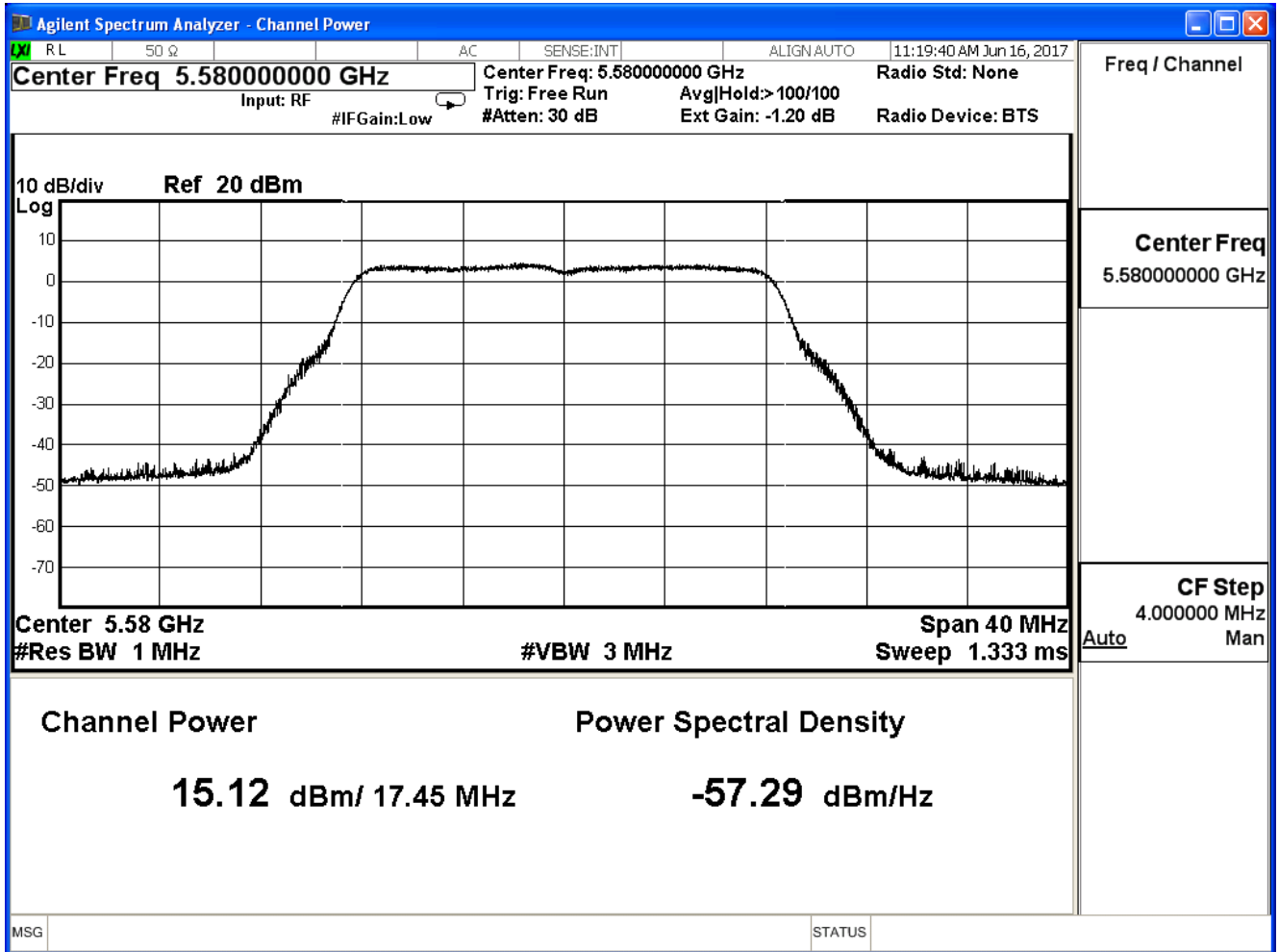
Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
100	5500	14.680	≤ 24
116	5580	15.120	≤ 24
140	5700	15.000	≤ 24

The worst emission of data rate is 6 Mbps.

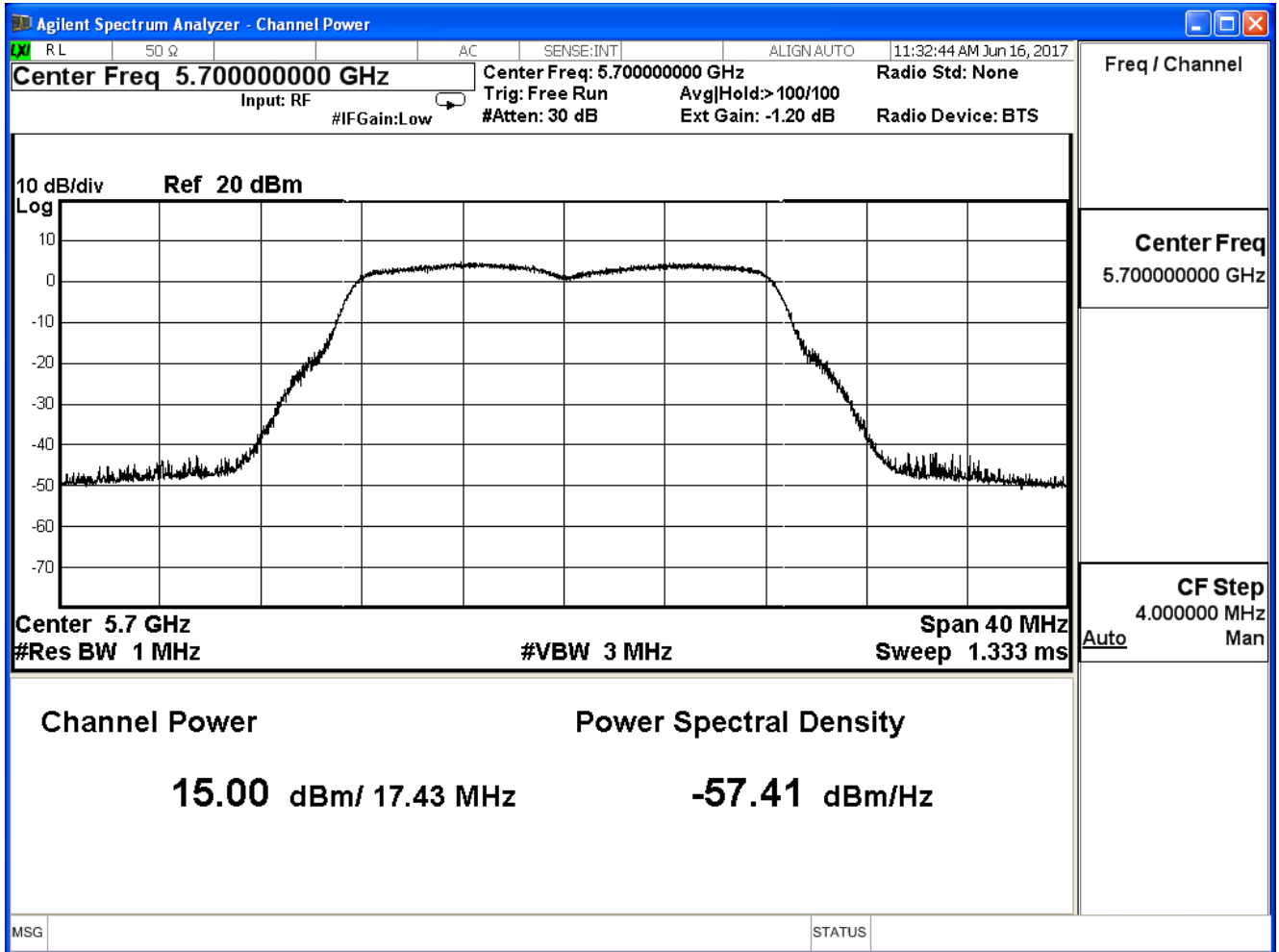
Channel 100 (5550MHz)



Channel 116 (5580MHz)



Channel 140 (5700MHz)



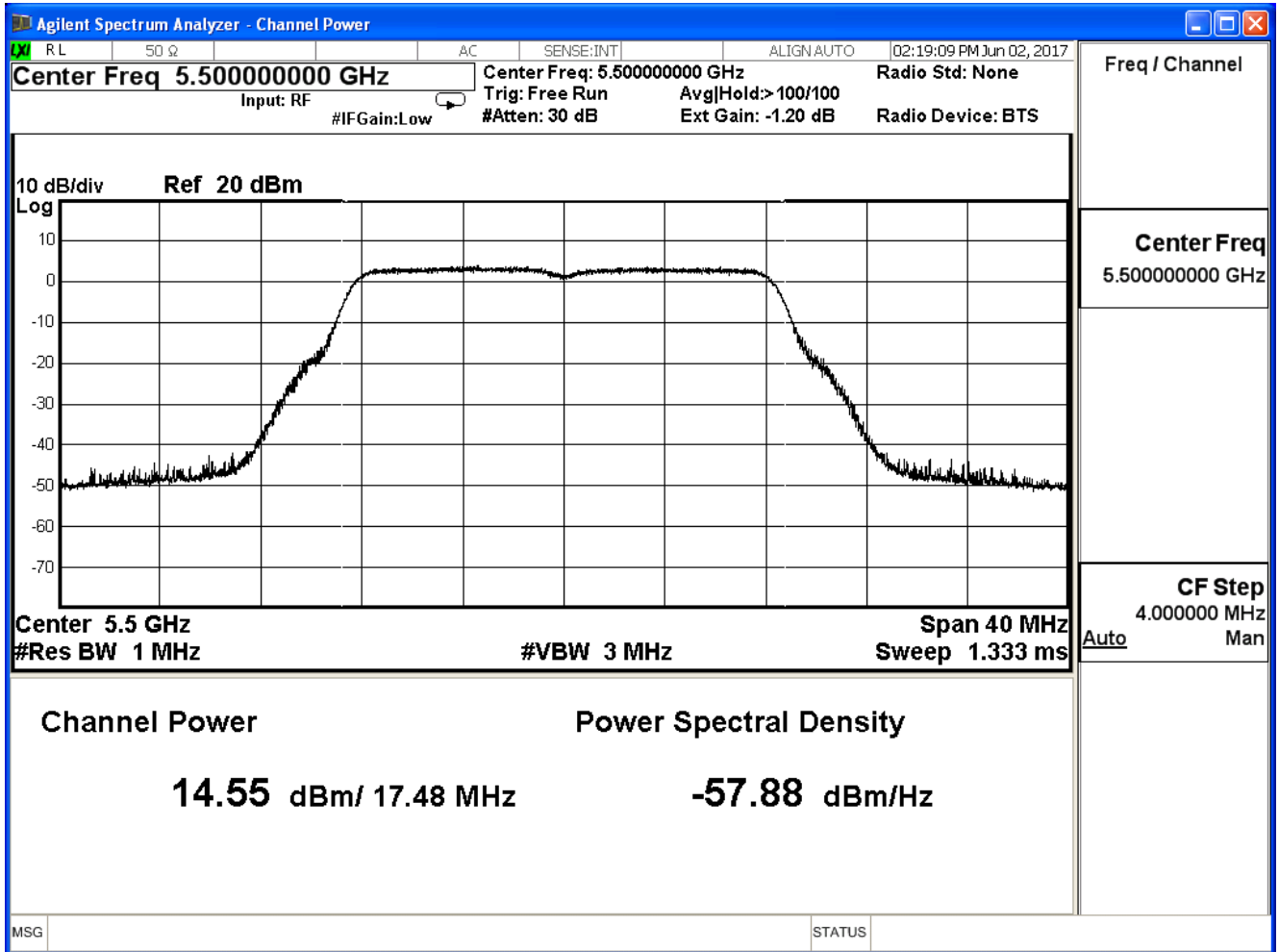
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: Tx_AD P: AD890326010-2LF_ CDD Mode (802.11 a)		
Date of Test	2017/06/02	Test Site	SR10-H

802.11a (ANT 3)

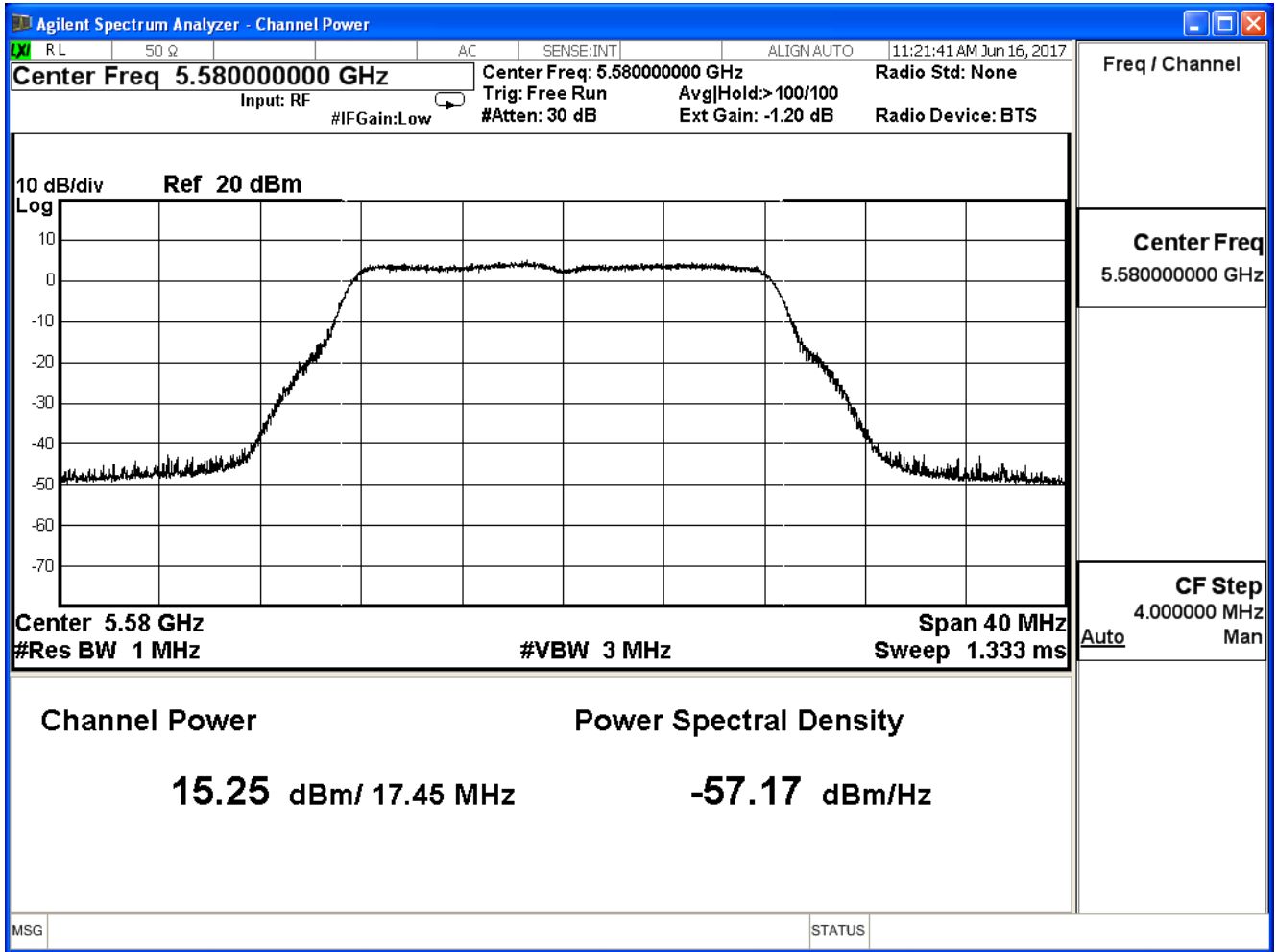
Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
100	5500	14.550	≤ 24
116	5580	15.250	≤ 24
140	5700	15.030	≤ 24

The worst emission of data rate is 6 Mbps.

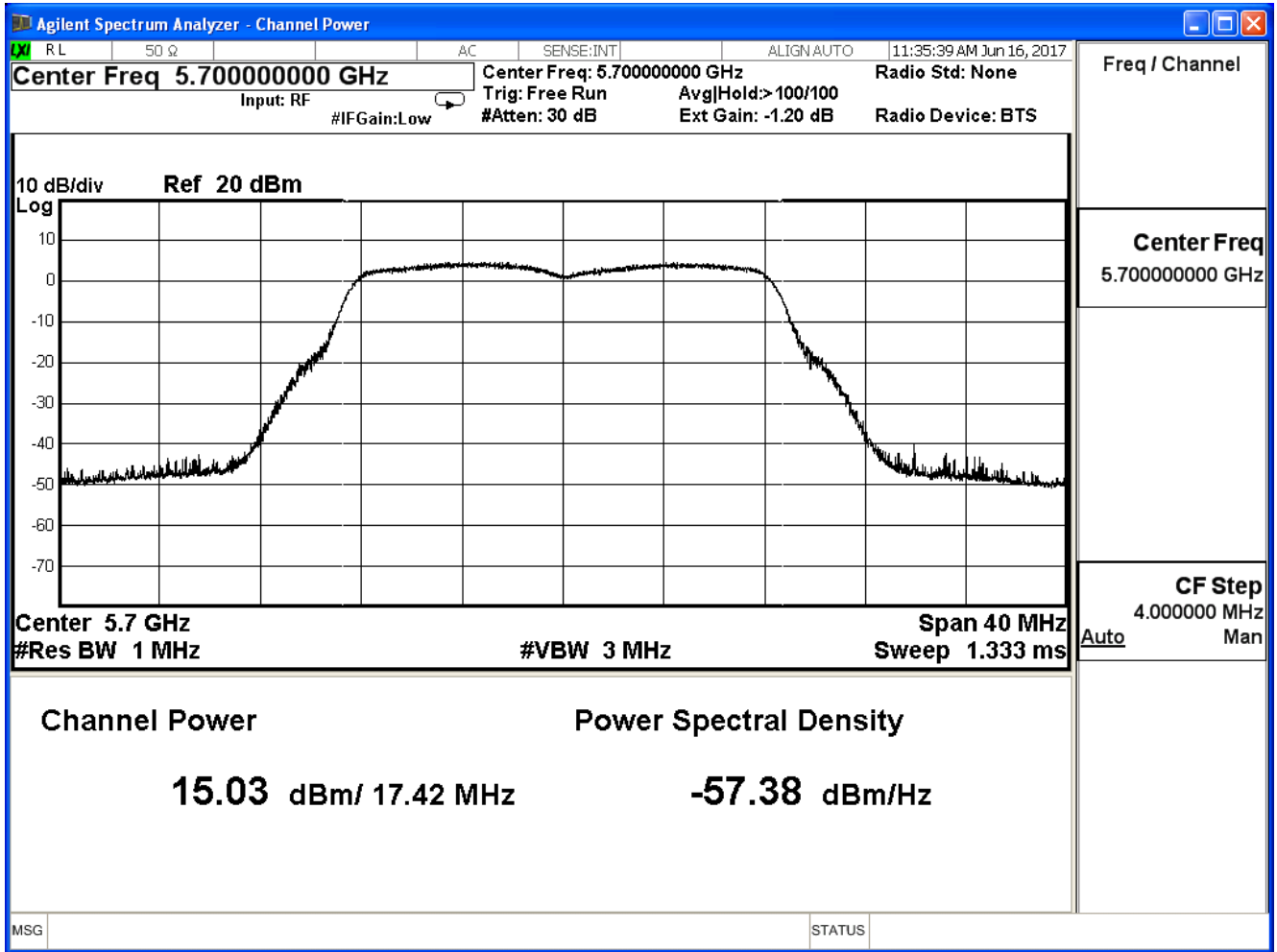
Channel 100 (5550MHz)



Channel 116 (5580MHz)



Channel 140 (5700MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: Tx_ADP: AD890326010-2LF_CDD Mode (802.11 a)		
Date of Test	2017/06/02	Test Site	SR10-H

802.11a (ANT 0+1+2+3)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
100	5500	20.554	≤ 24
116	5580	21.213	≤ 24
140	5700	21.008	≤ 24

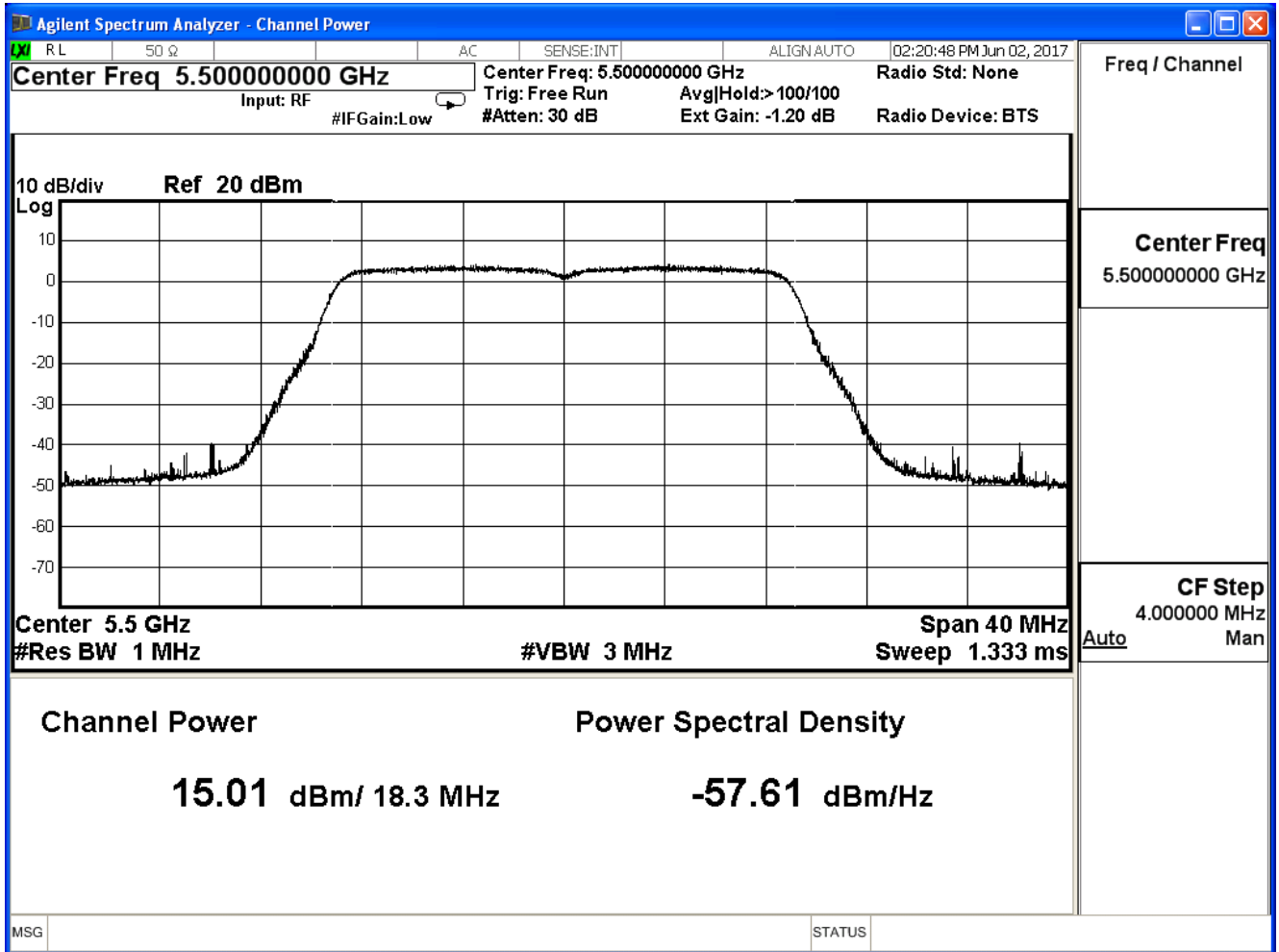
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: Tx_AD P: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/06/02	Test Site	SR10-H

IEEE 802.11n(20MHz)(ANT 0)

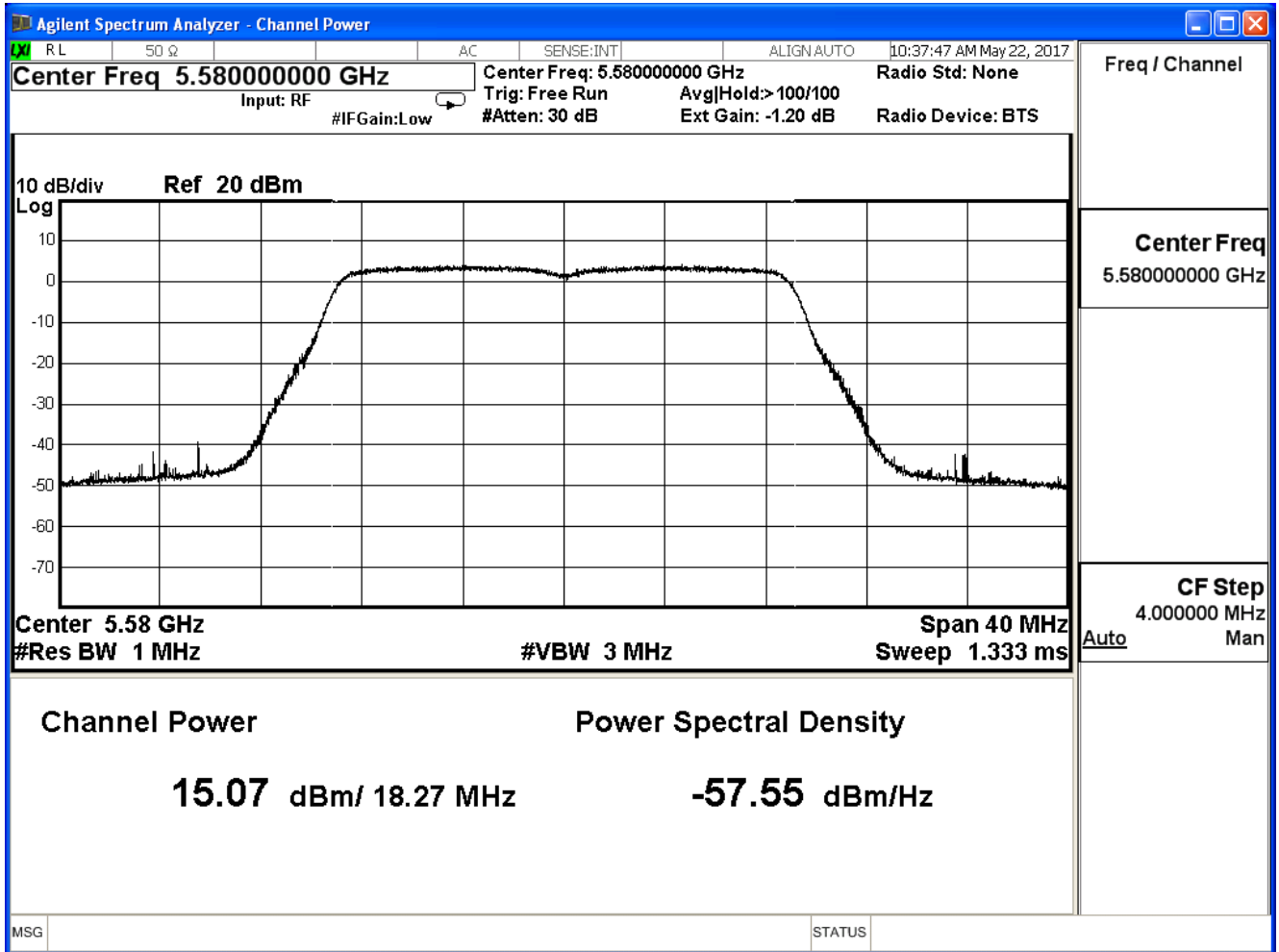
Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
100	5500	15.010	≤ 24
116	5580	15.070	≤ 24
140	5700	14.950	≤ 24

The worst emission of data rate is MCS24.

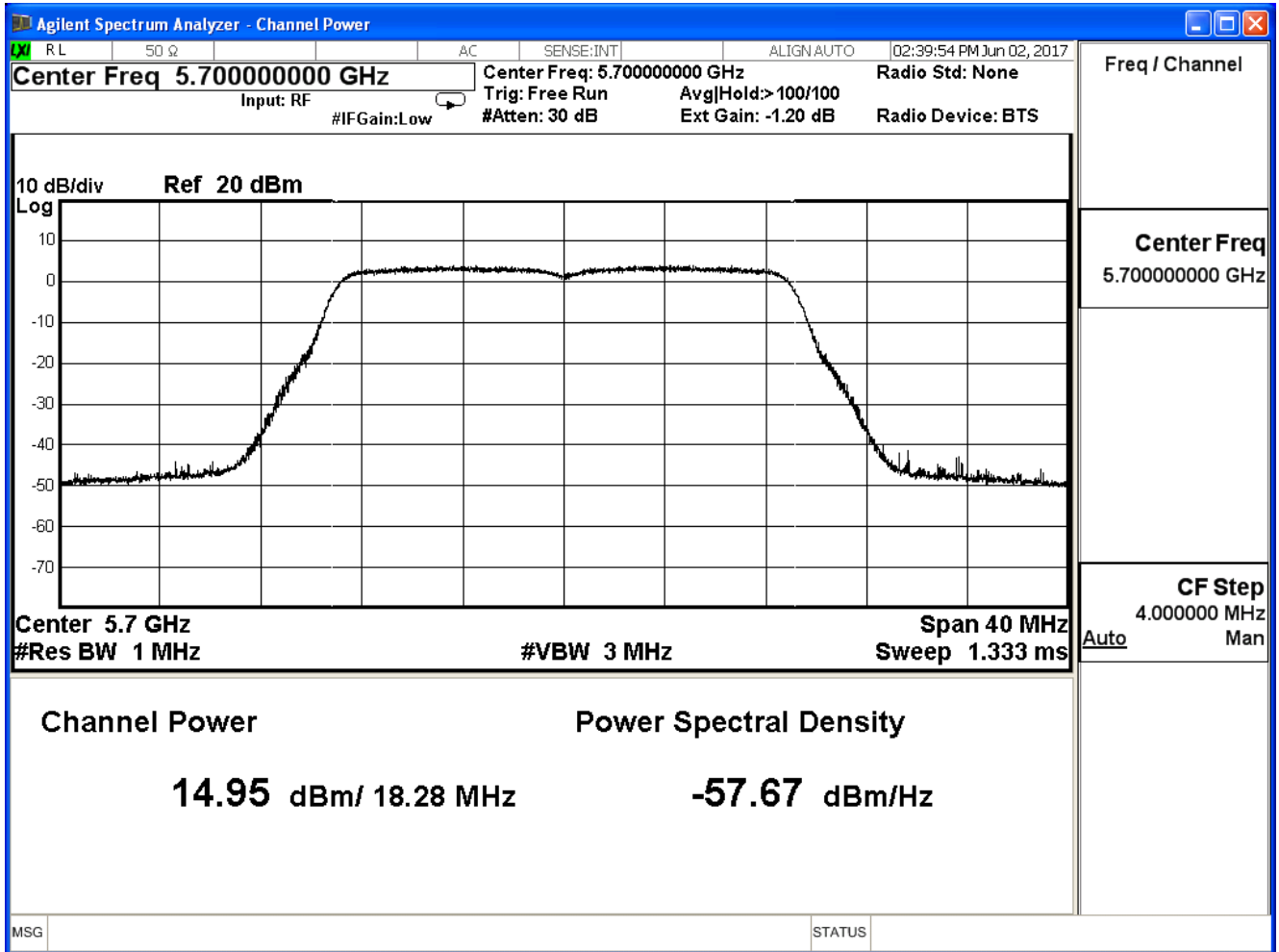
Channel 100 (5550MHz)



Channel 116 (5580MHz)



Channel 140 (5700MHz)



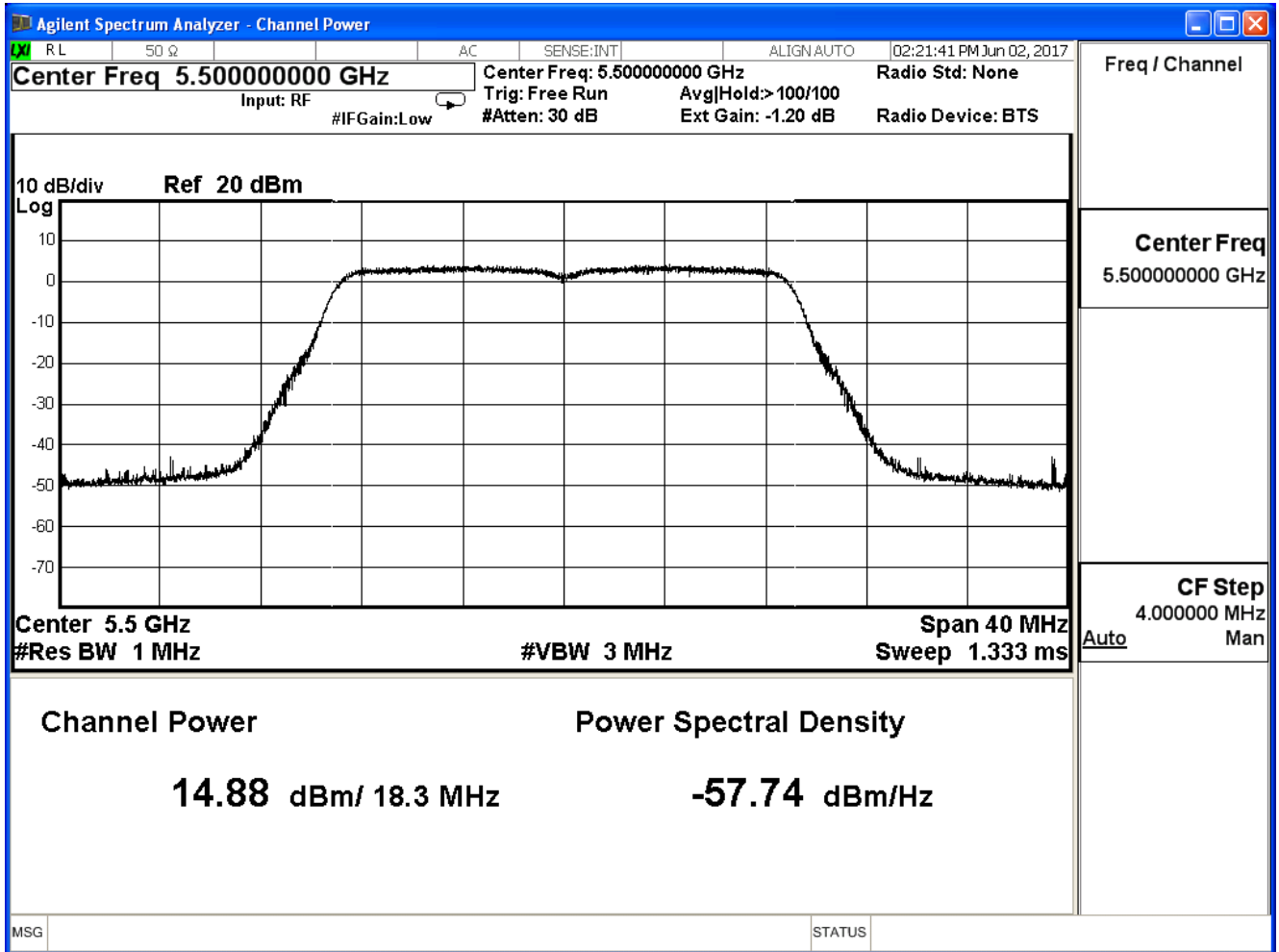
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: Tx_AD P: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/06/02	Test Site	SR10-H

IEEE 802.11n(20MHz)(ANT 1)

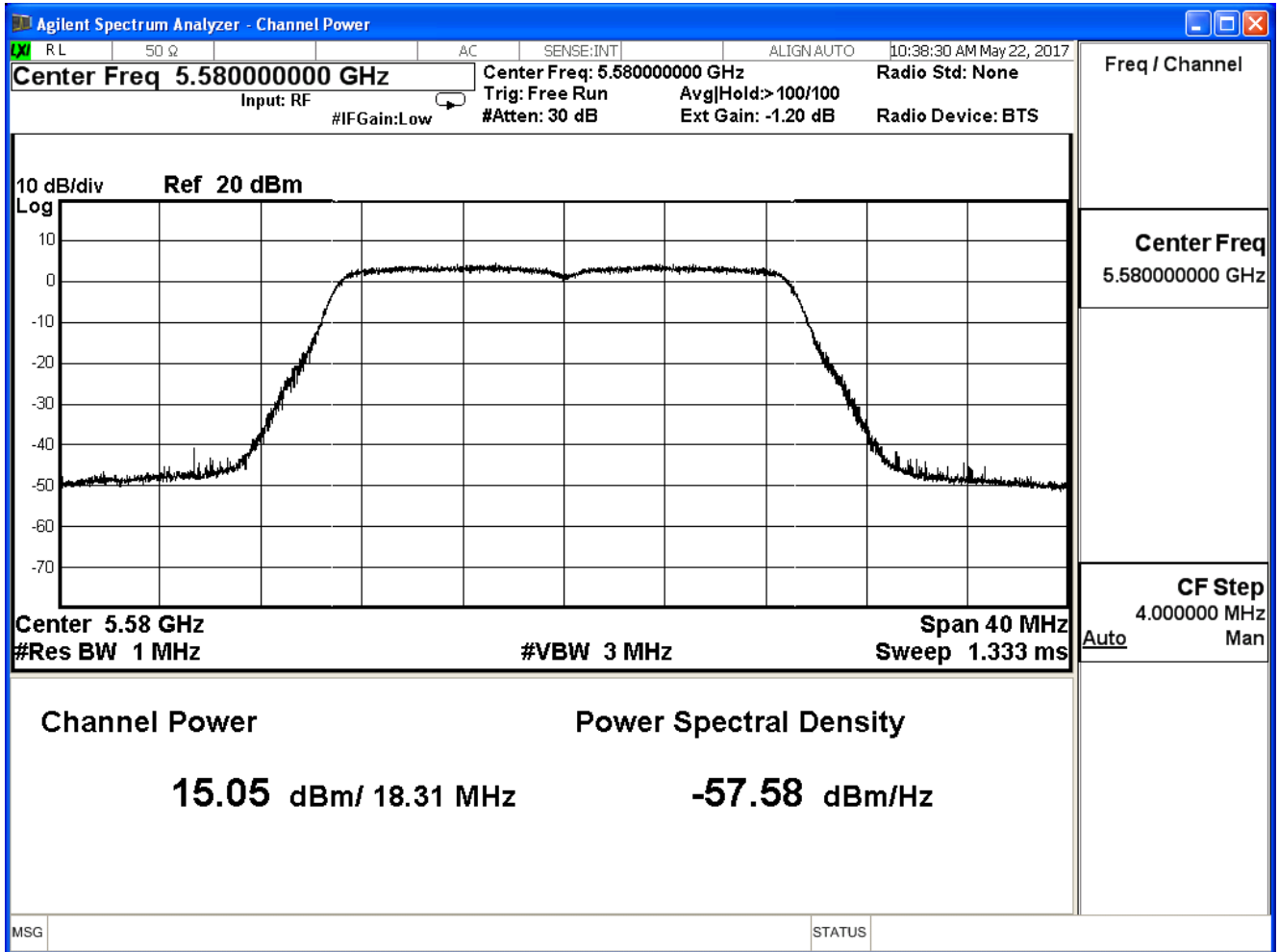
Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
100	5500	14.880	≤ 24
116	5580	15.050	≤ 24
140	5700	14.970	≤ 24

The worst emission of data rate is MCS24.

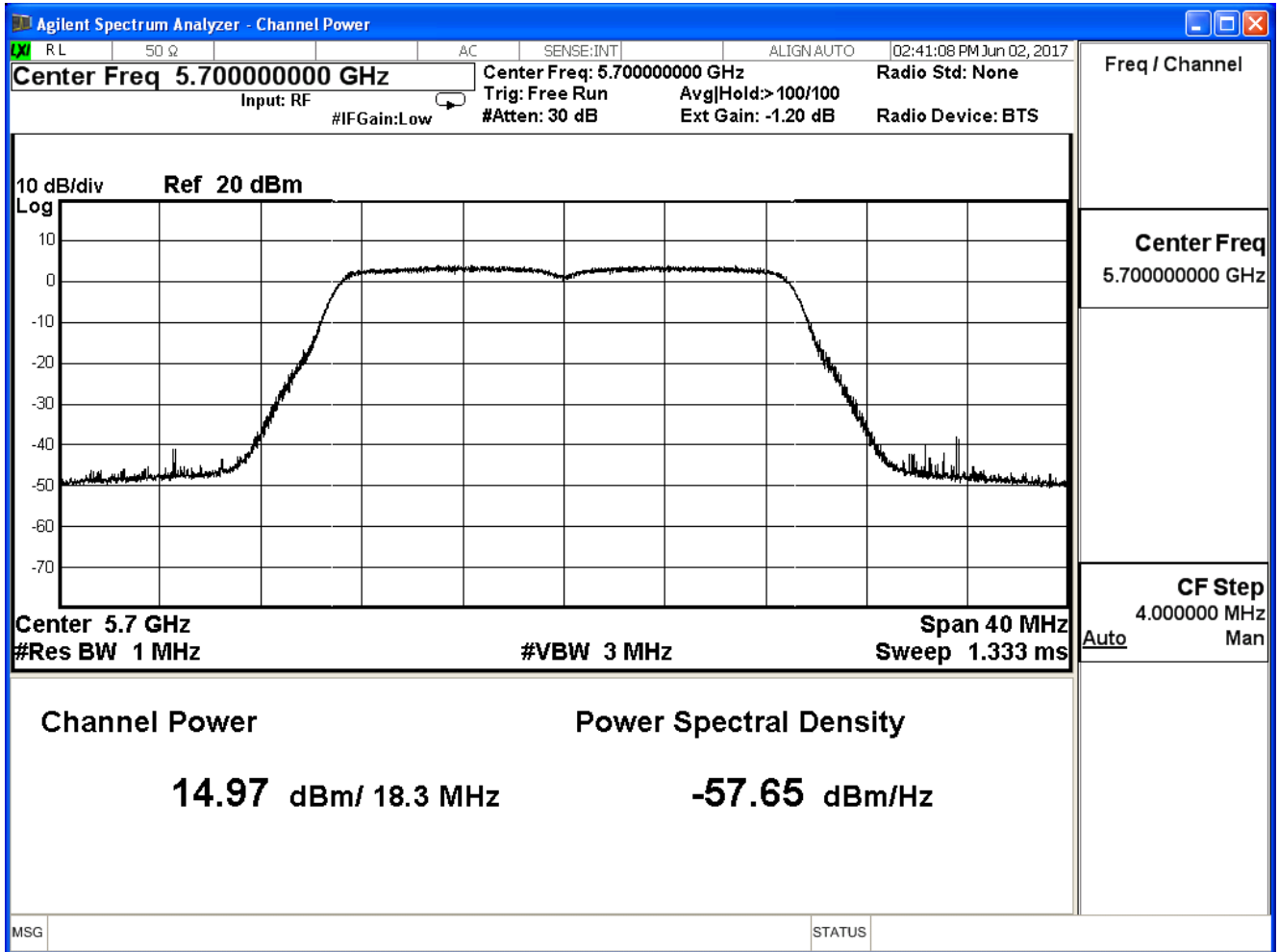
Channel 100 (5550MHz)



Channel 116 (5580MHz)



Channel 140 (5700MHz)



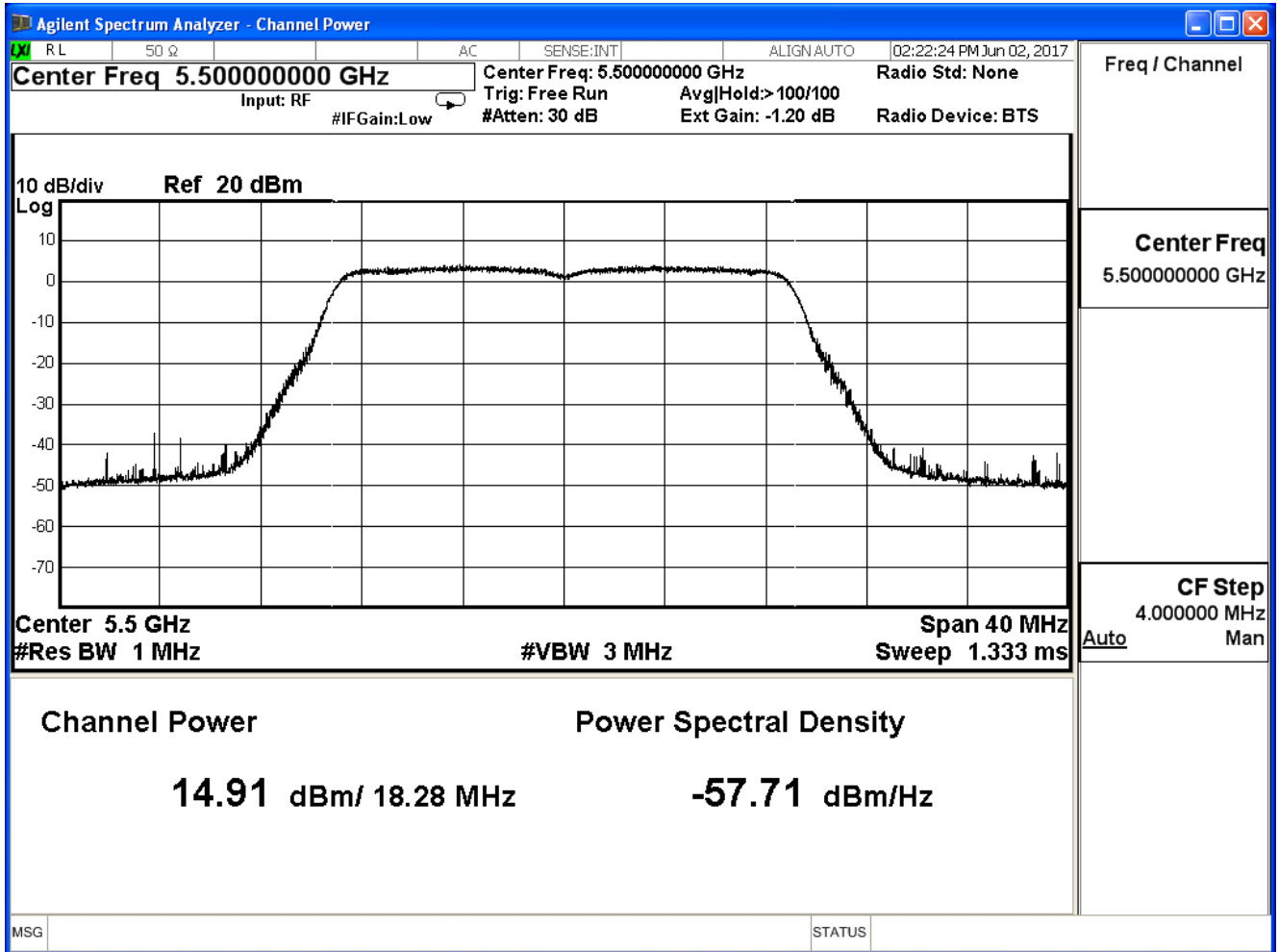
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: Tx_AD P: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/06/02	Test Site	SR10-H

IEEE 802.11n(20MHz)(ANT 2)

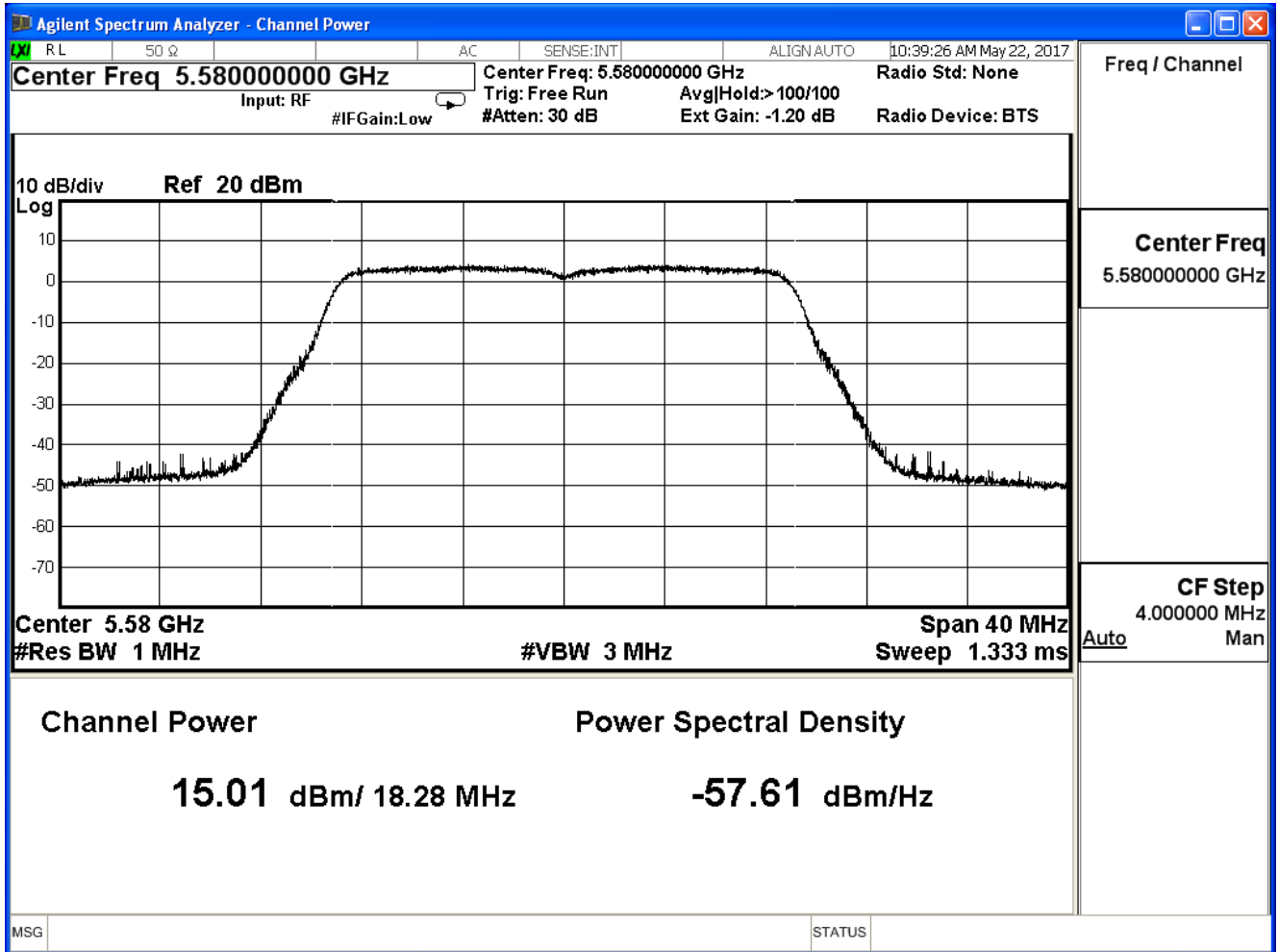
Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
100	5500	14.910	≤ 24
116	5580	15.010	≤ 24
140	5700	14.890	≤ 24

The worst emission of data rate is MCS24.

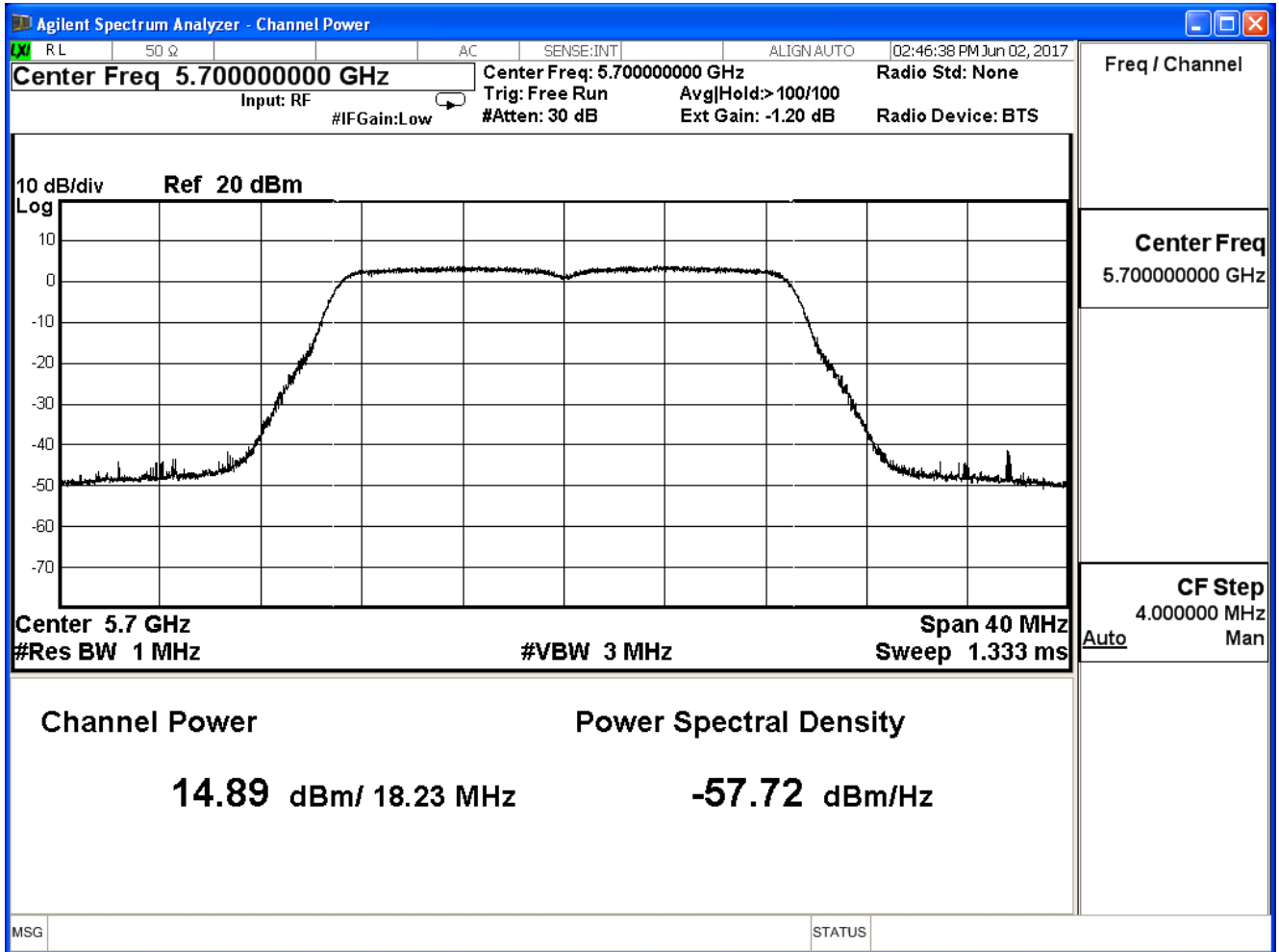
Channel 100 (5550MHz)



Channel 116 (5580MHz)



Channel 140 (5700MHz)



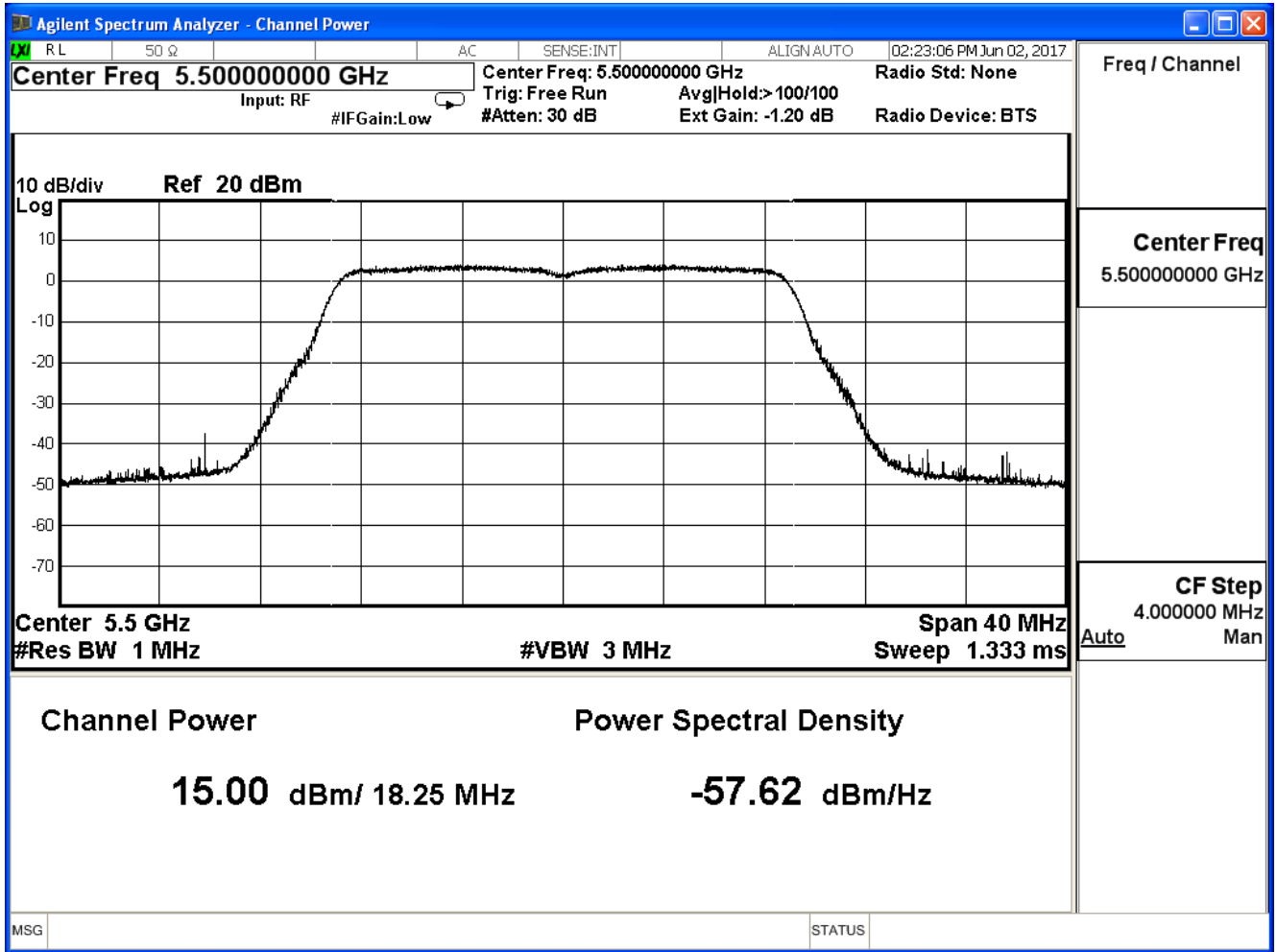
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: Tx_AD P: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/06/02	Test Site	SR10-H

IEEE 802.11n(20MHz)(ANT 3)

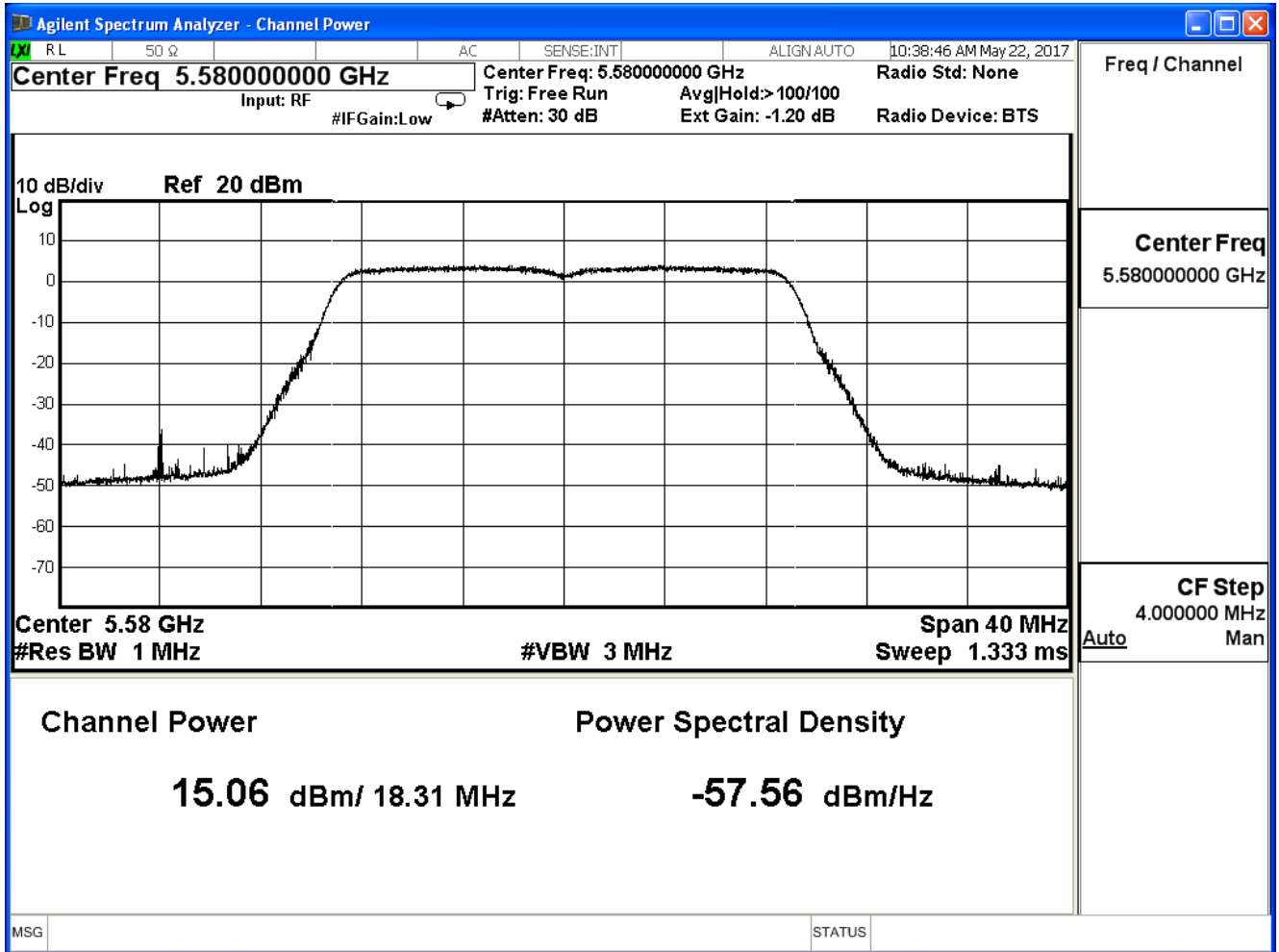
Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
100	5500	15.000	≤ 24
116	5580	15.060	≤ 24
140	5700	14.780	≤ 24

The worst emission of data rate is MCS24.

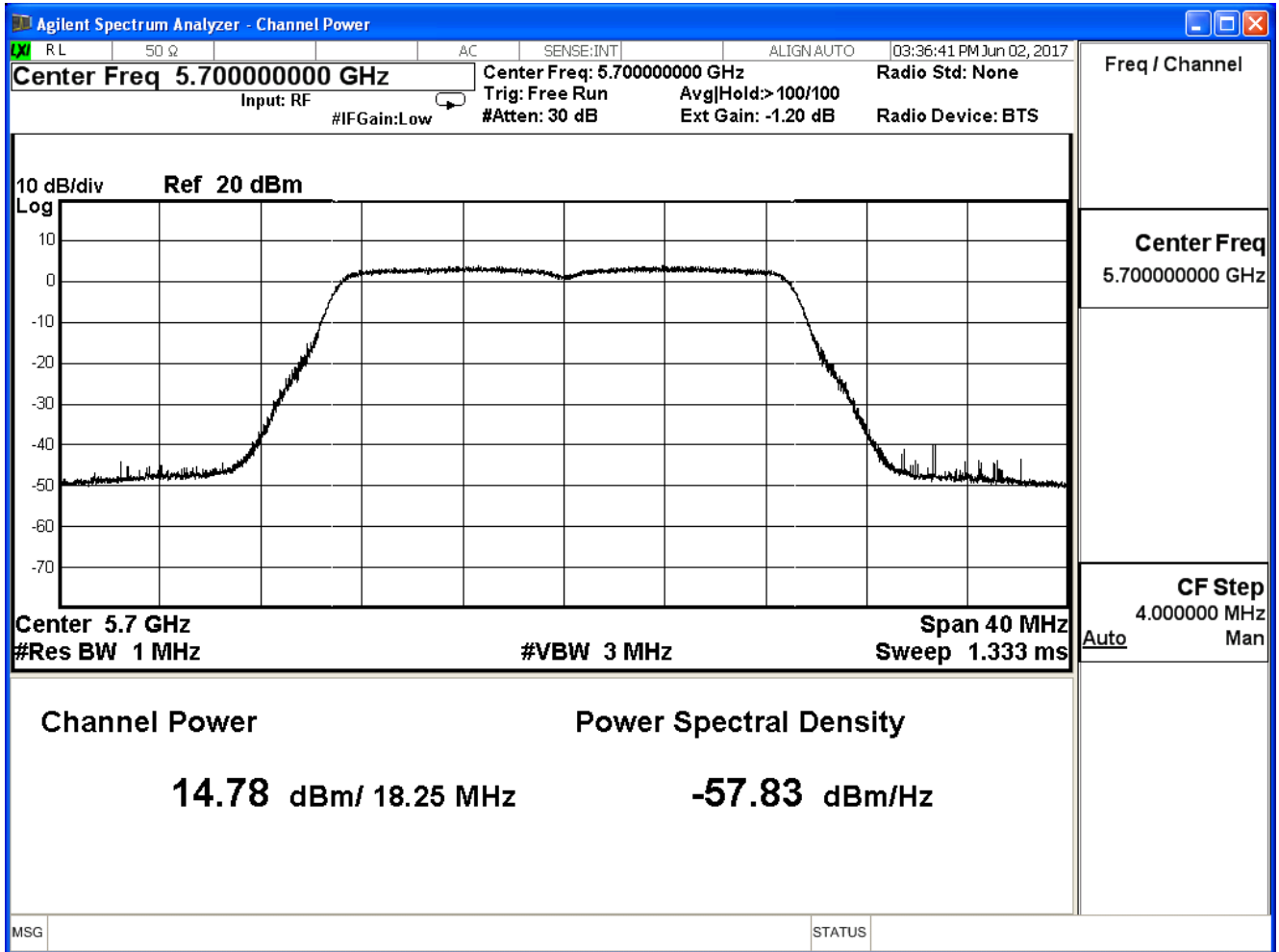
Channel 100 (5550MHz)



Channel 116 (5580MHz)



Channel 140 (5700MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: Tx_AD P: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/06/02	Test Site	SR10-H

IEEE 802.11n(20MHz)(ANT 0+1+2+3)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
100	5500	20.971	≤ 24
116	5580	21.068	≤ 24
140	5700	20.919	≤ 24

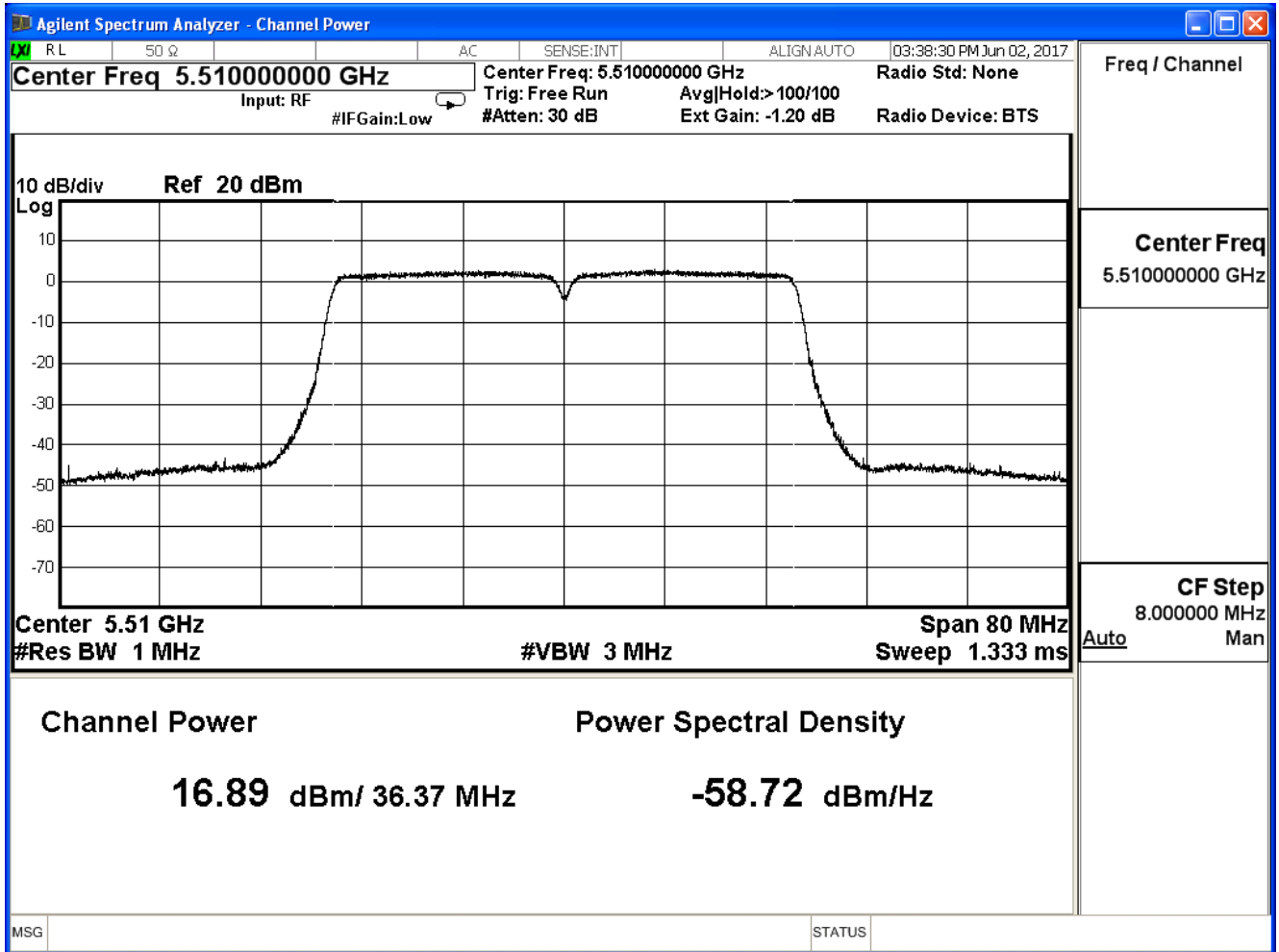
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: Tx_AD P: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/06/02	Test Site	SR10-H

IEEE 802.11n(40MHz)(ANT 0)

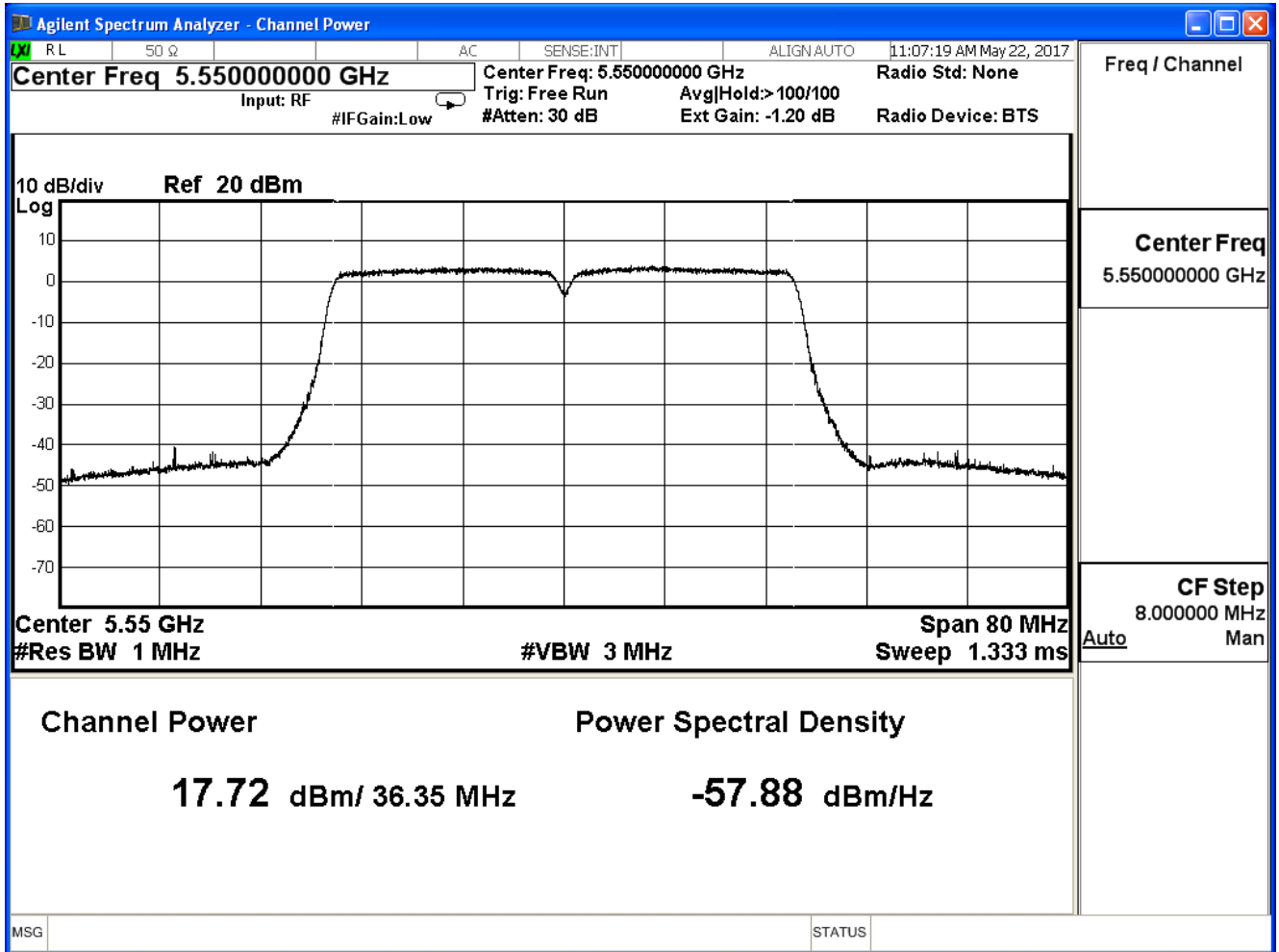
Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
102	5510	16.890	≤ 24
110	5550	17.720	≤ 24
134	5670	17.700	≤ 24

The worst emission of data rate is MCS 24

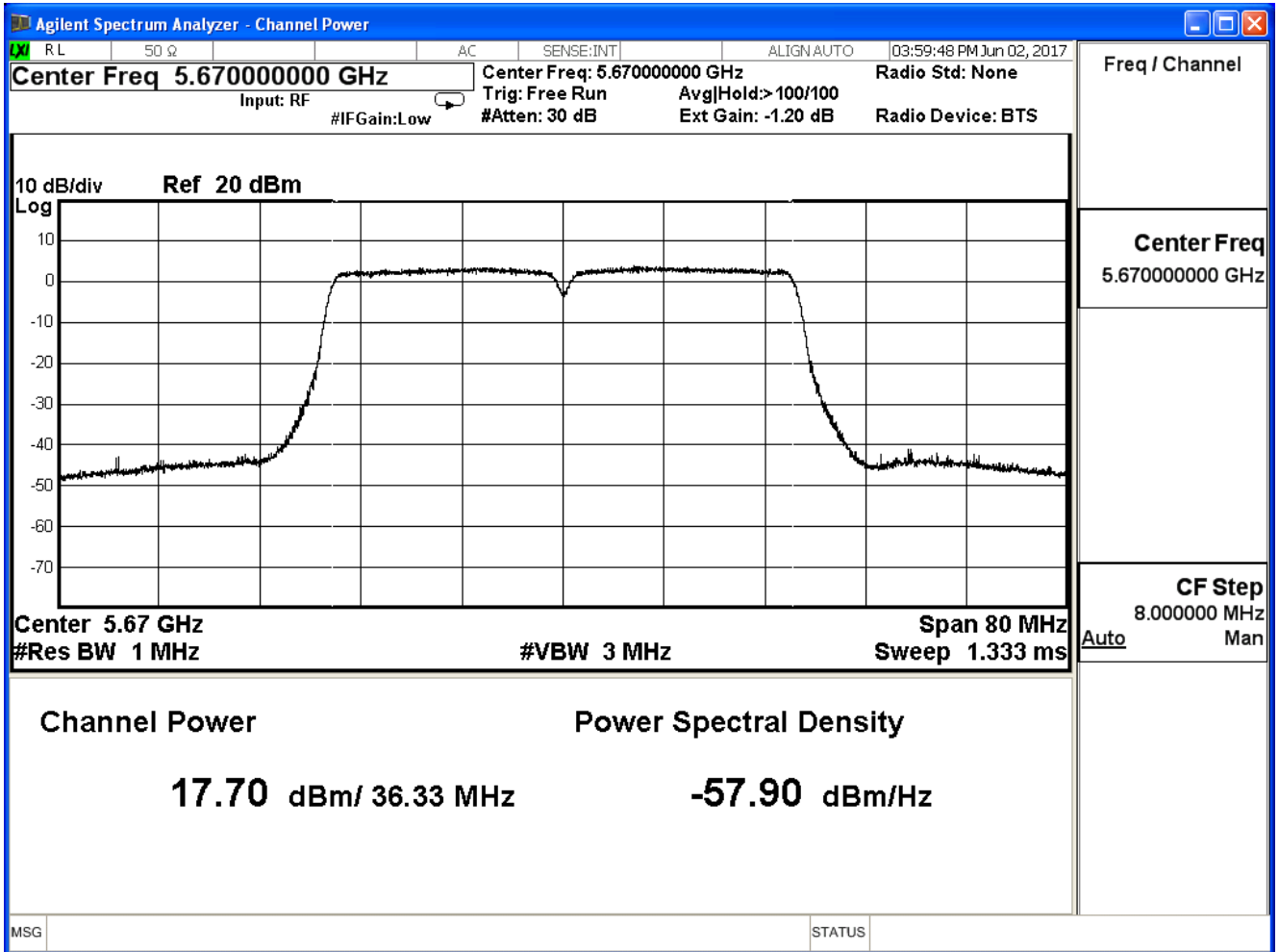
Channel 102 (5560MHz)



Channel 110 (5550MHz)



Channel 134 (5670MHz)



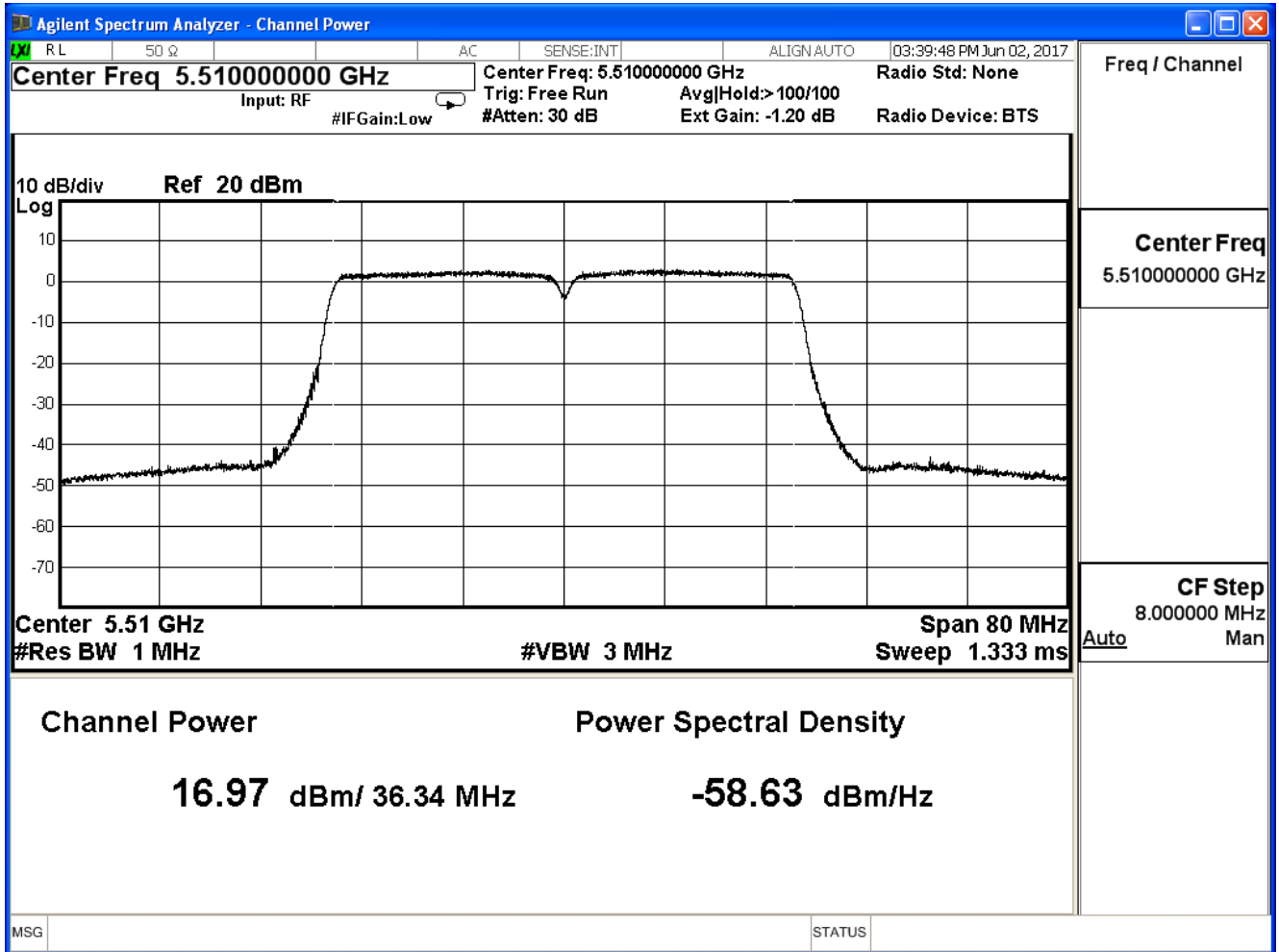
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: Tx_AD P: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/06/02	Test Site	SR10-H

IEEE 802.11n(40MHz)(ANT 1)

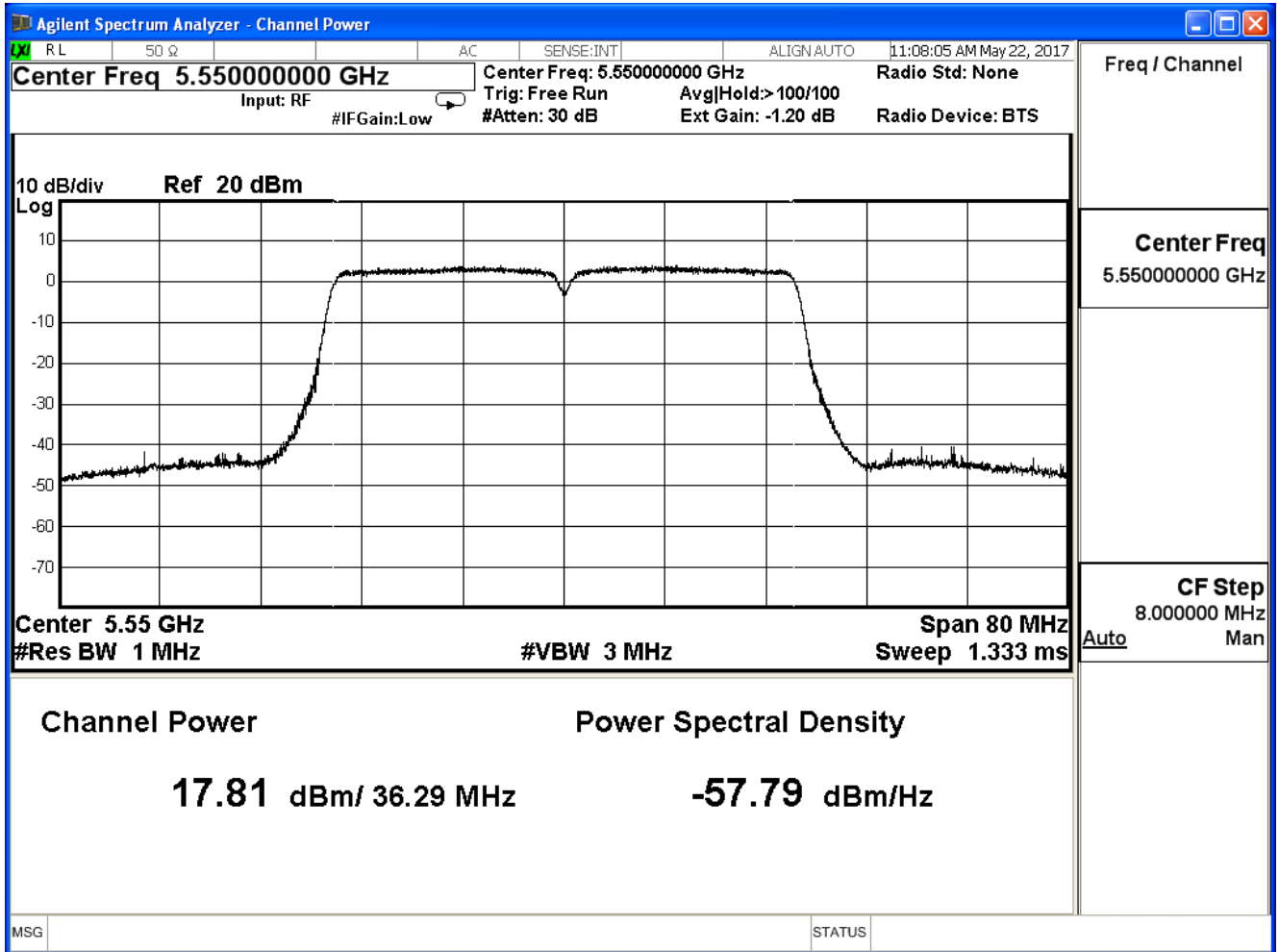
Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
102	5510	16.970	≤ 24
110	5550	17.810	≤ 24
134	5670	17.680	≤ 24

The worst emission of data rate is MCS 24

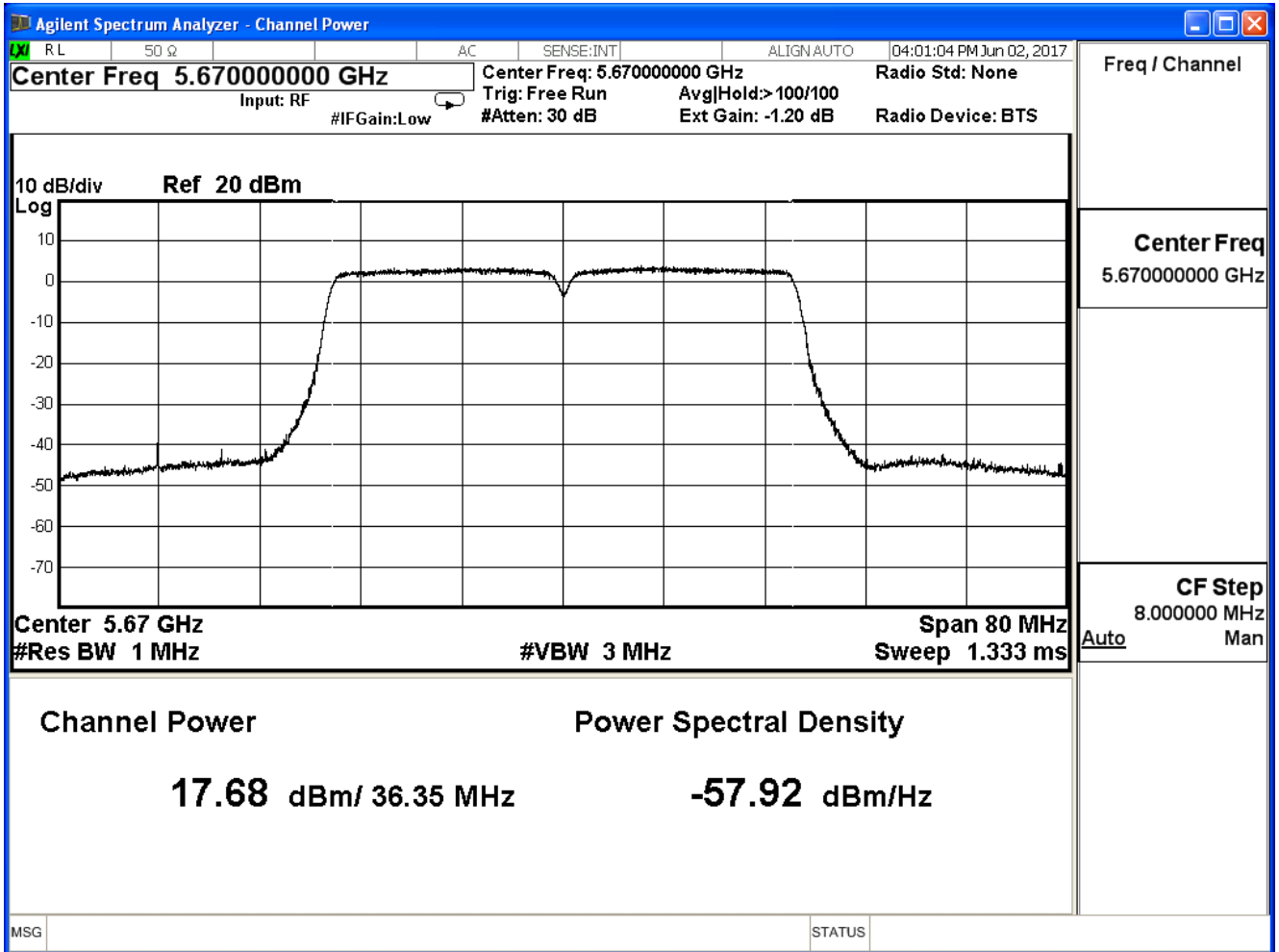
Channel 102 (5560MHz)



Channel 110 (5550MHz)



Channel 134 (5670MHz)



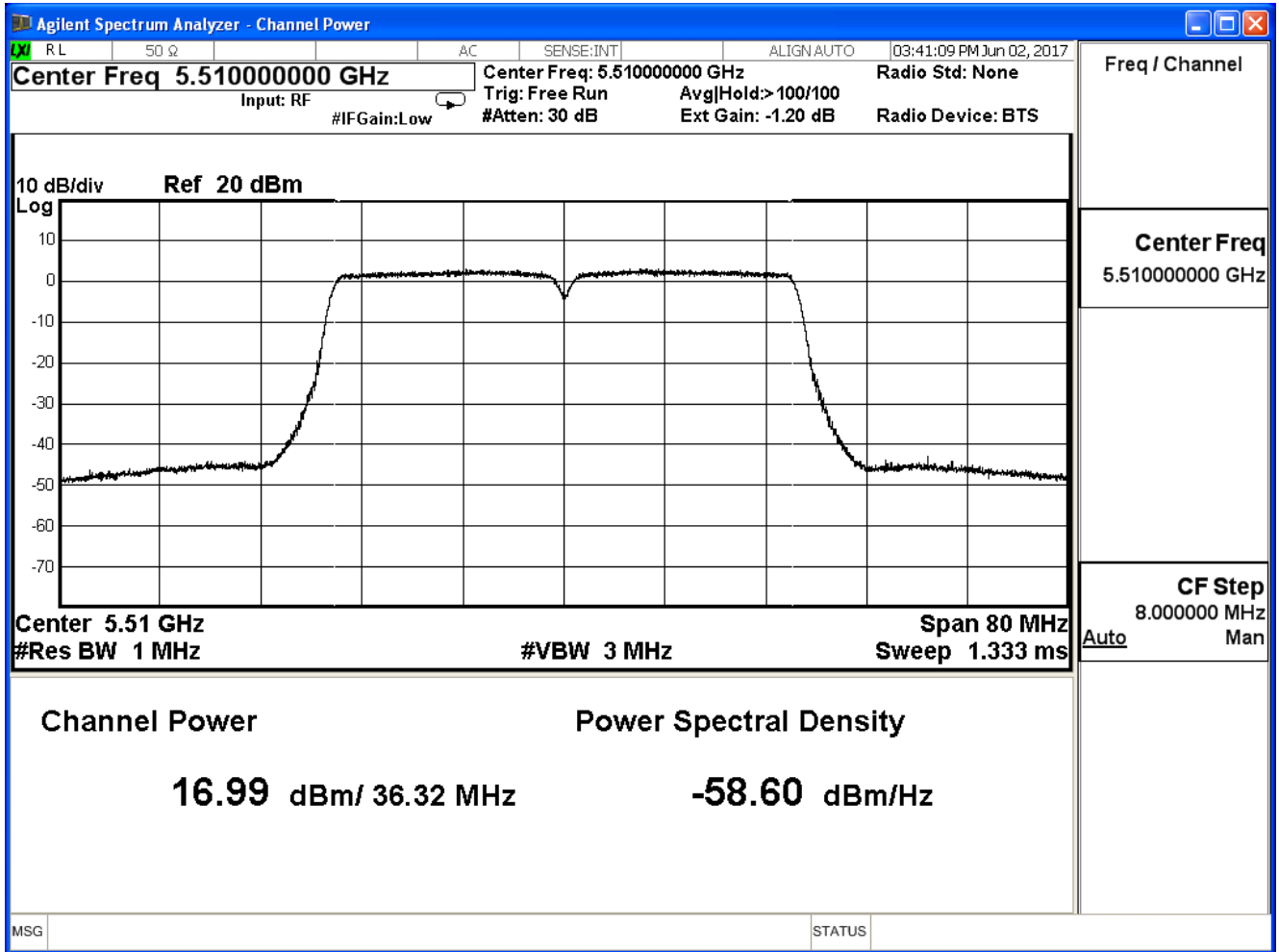
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: Tx_AD P: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/06/02	Test Site	SR10-H

IEEE 802.11n(40MHz)(ANT 2)

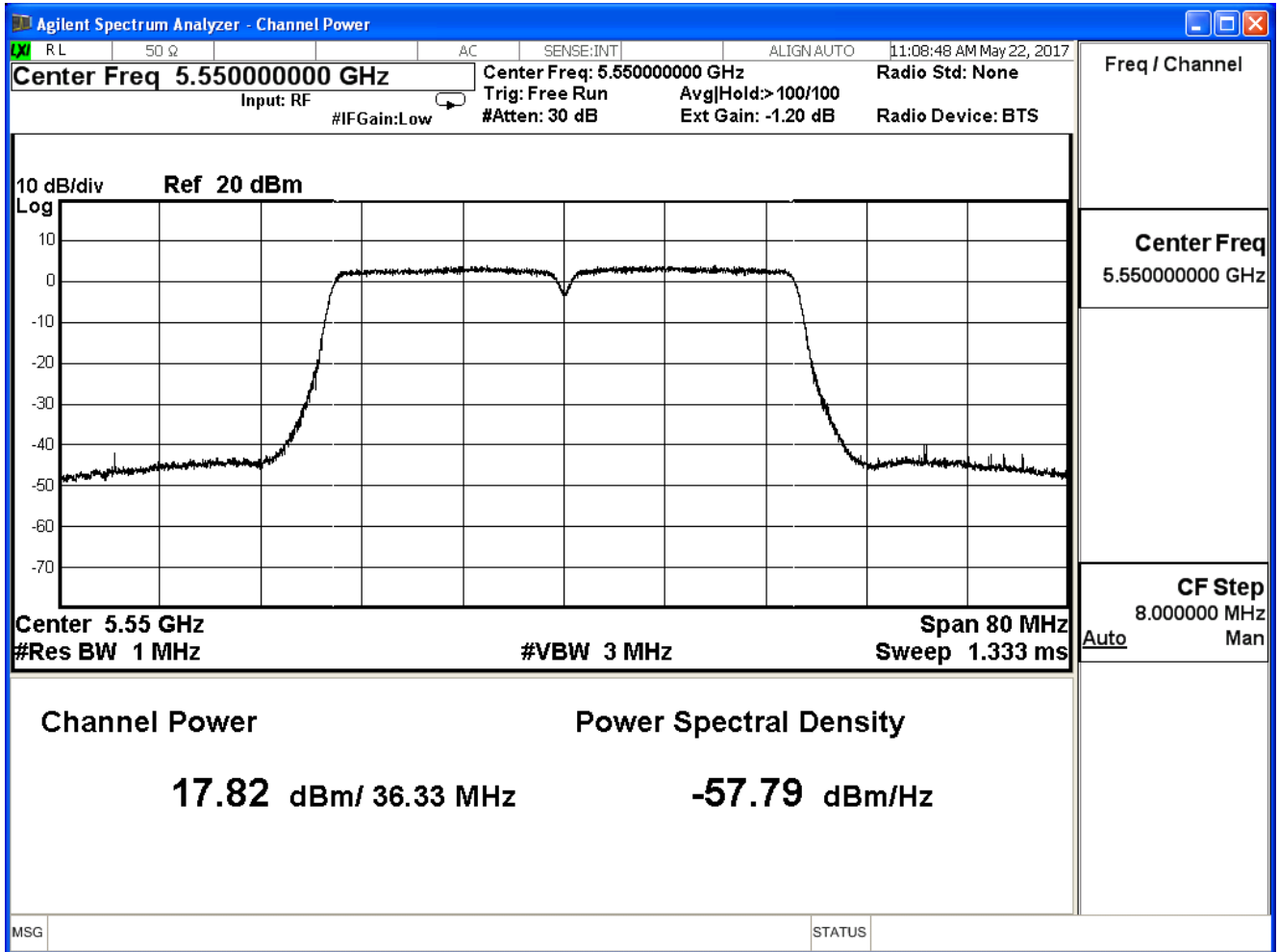
Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
102	5510	16.990	≤ 24
110	5550	17.820	≤ 24
134	5670	17.720	≤ 24

The worst emission of data rate is MCS 24

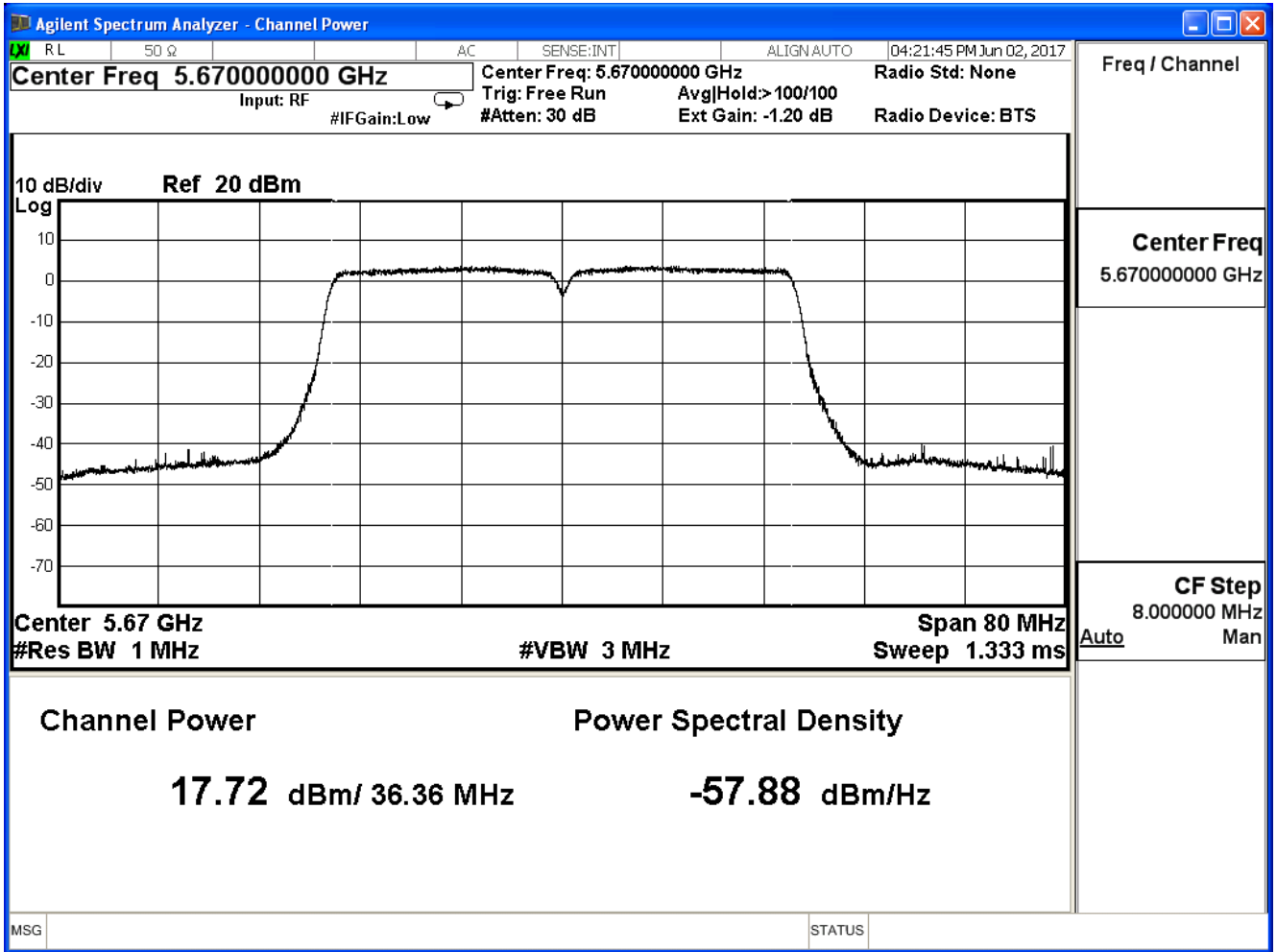
Channel 102 (5510MHz)



Channel 110 (5550MHz)



Channel 134 (5670MHz)



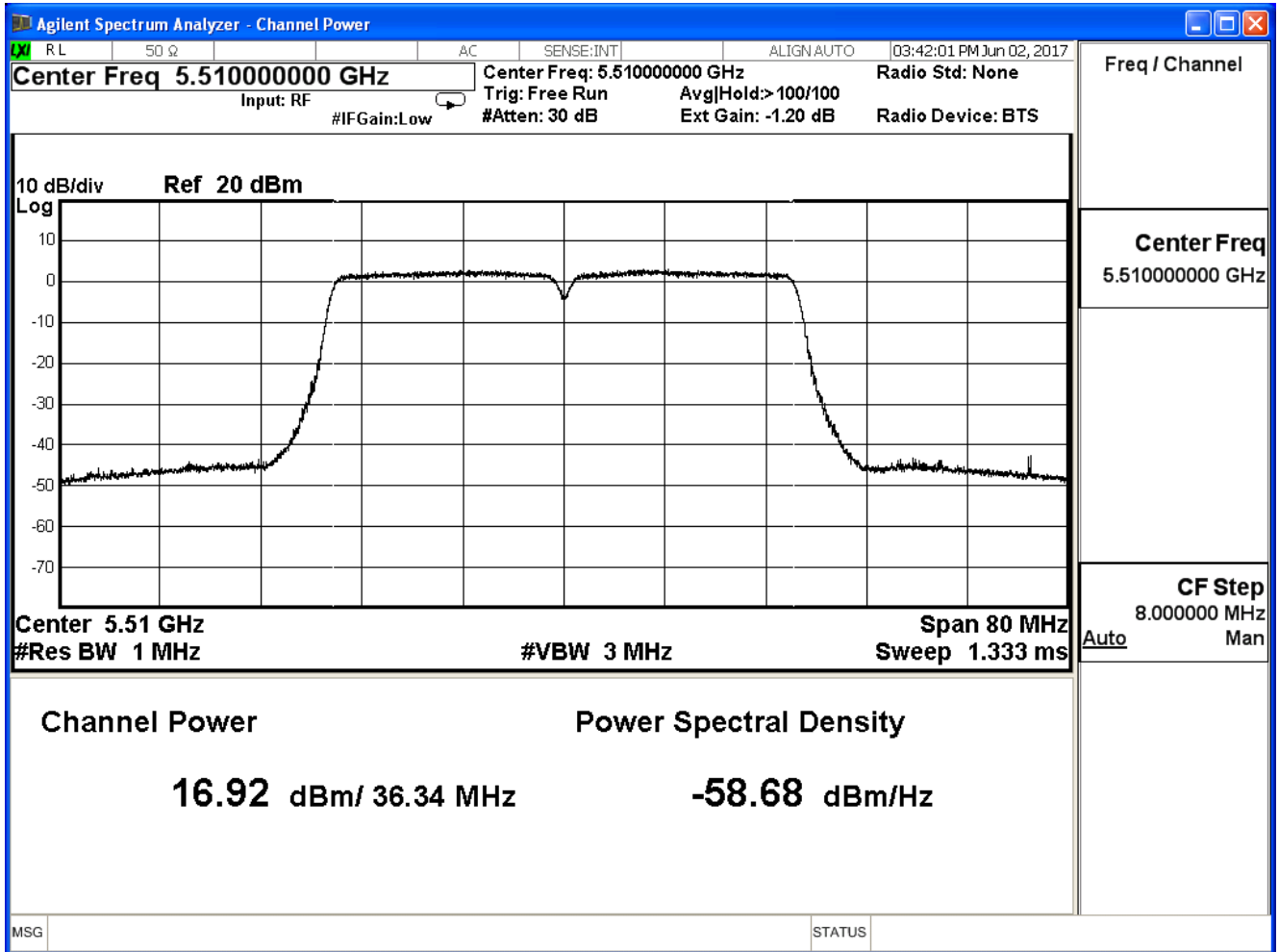
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: Tx_AD P: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/06/02	Test Site	SR10-H

IEEE 802.11n(40MHz)(ANT 3)

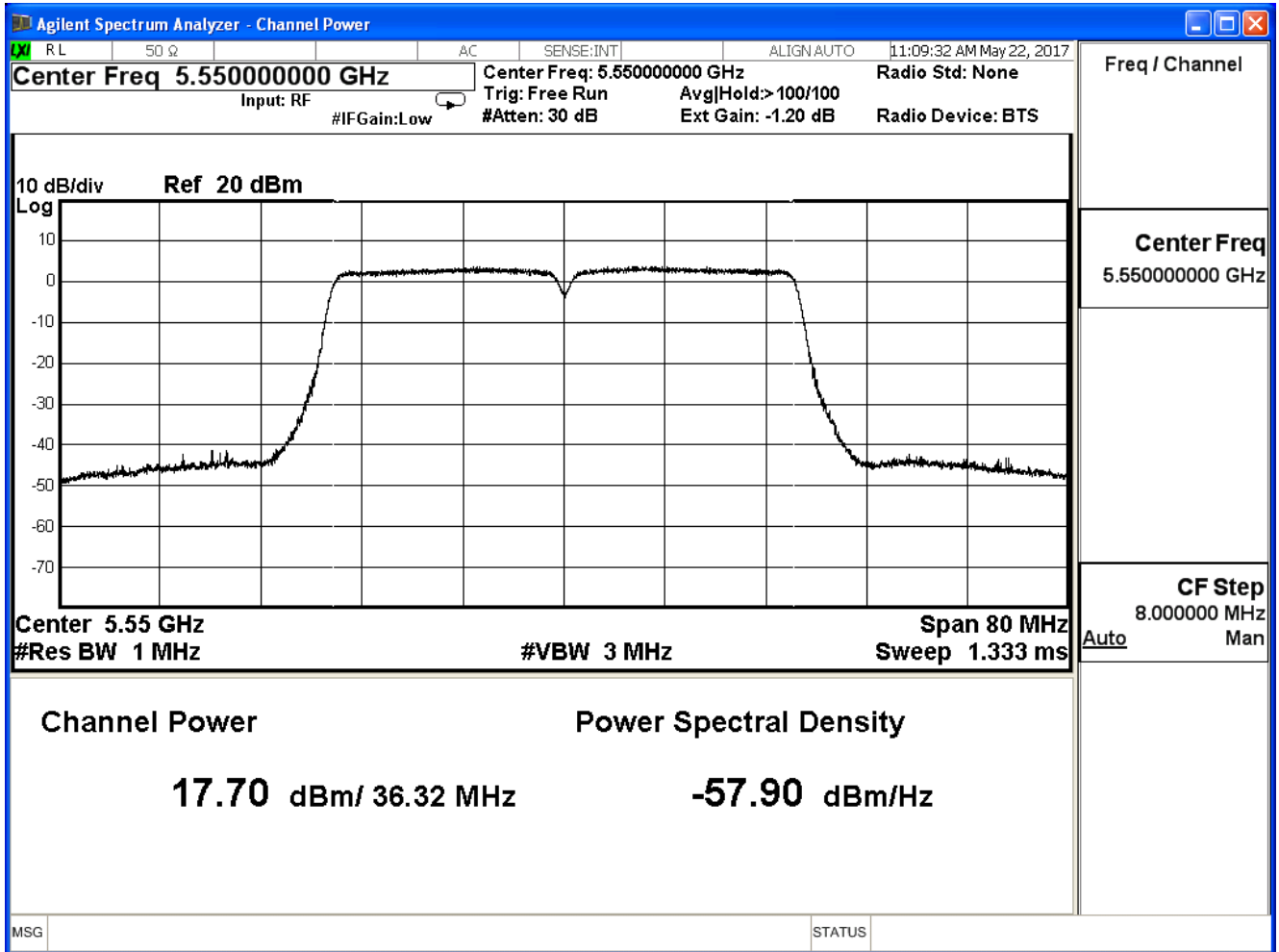
Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
102	5510	16.920	≤ 24
110	5550	17.700	≤ 24
134	5670	17.690	≤ 24

The worst emission of data rate is MCS 24

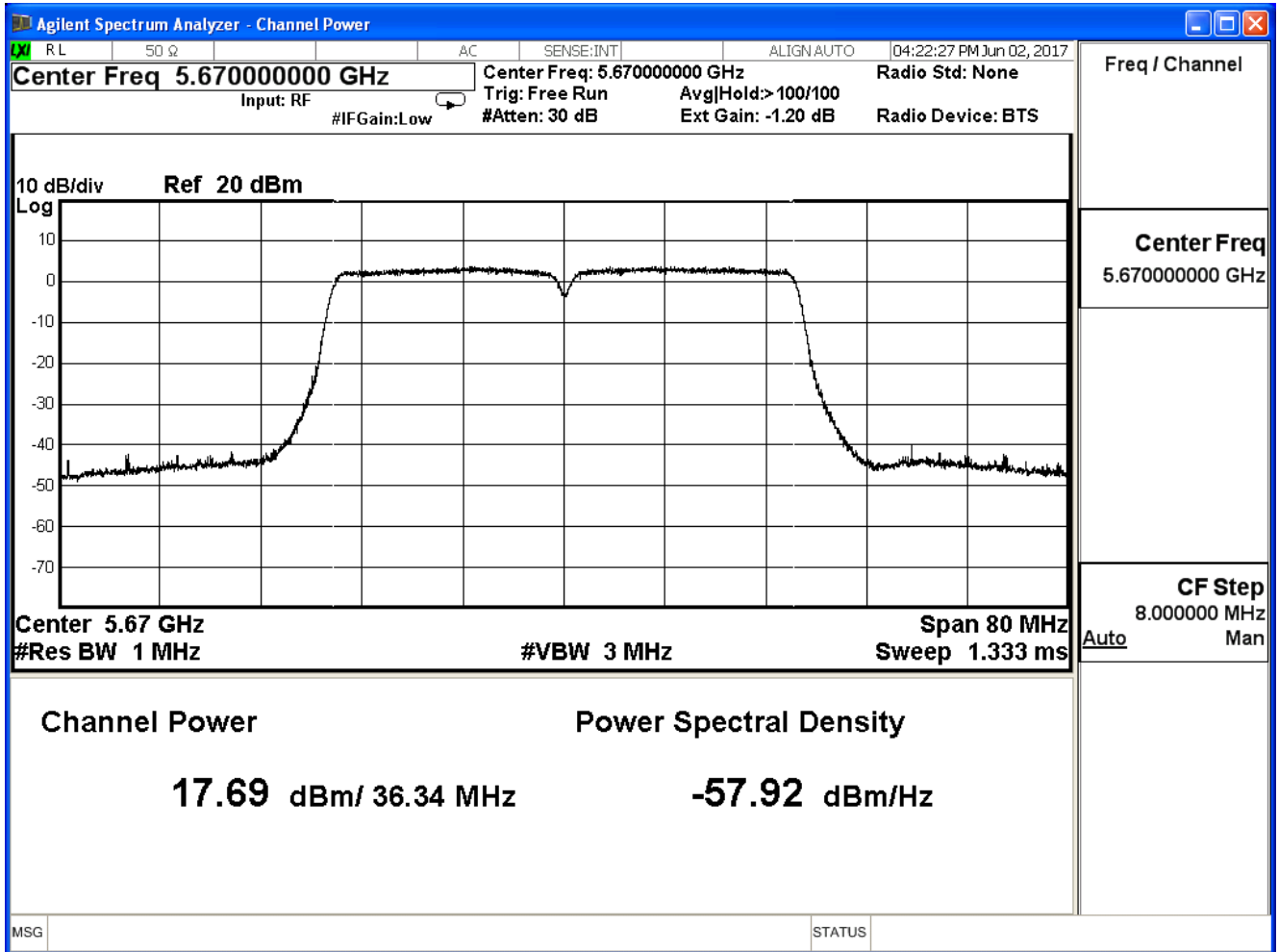
Channel 102 (5560MHz)



Channel 110 (5550MHz)



Channel 134 (5670MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: Tx_AD P: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/06/02	Test Site	SR10-H

IEEE 802.11n(40MHz)(ANT 0+1+2+3)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
102	5510	22.963	≤ 24
110	5550	23.783	≤ 24
134	5670	23.718	≤ 24

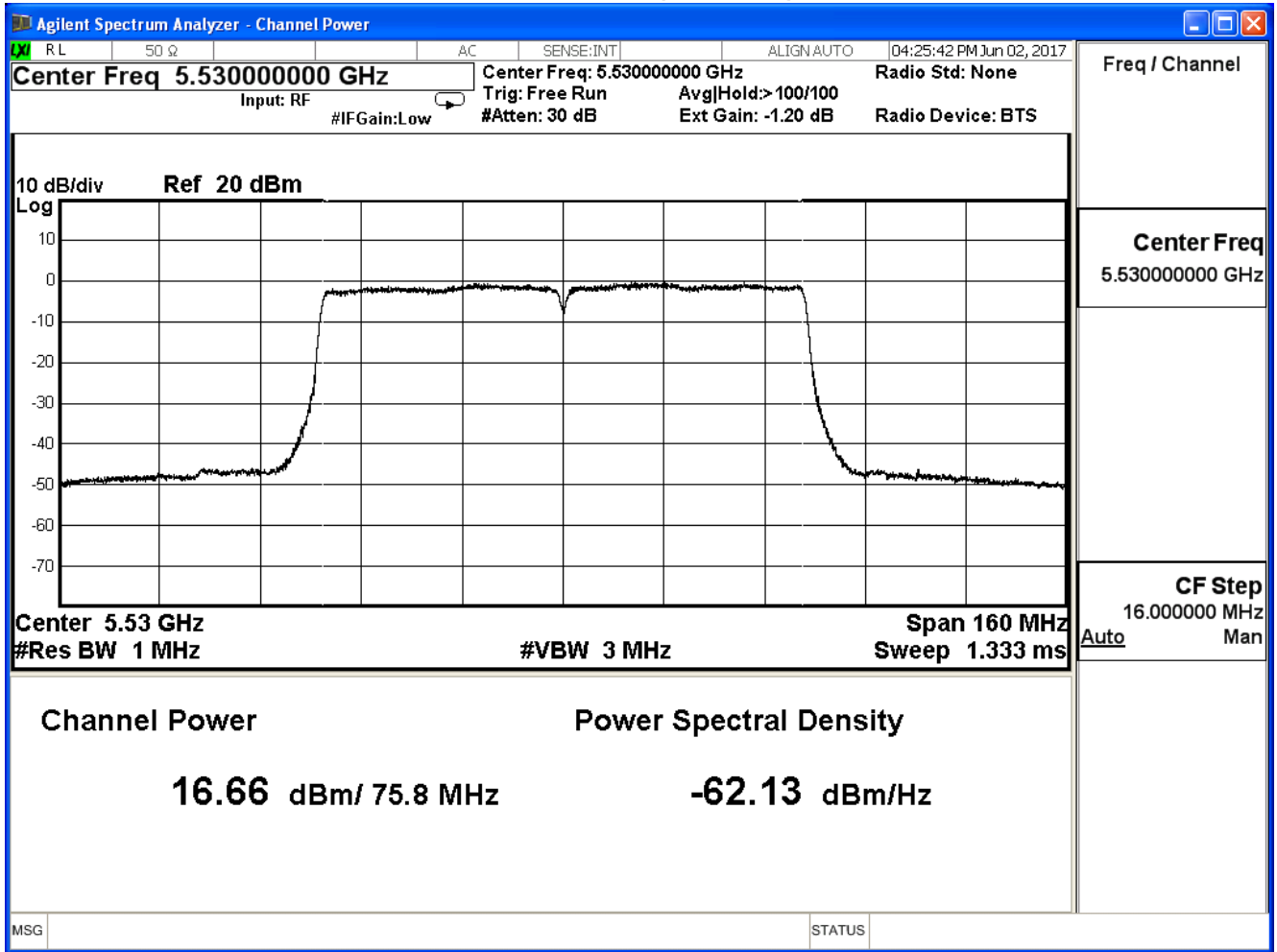
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: Tx_AD P: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/06/02	Test Site	SR10-H

IEEE 802.11ac(80MHz) (ANT 0)

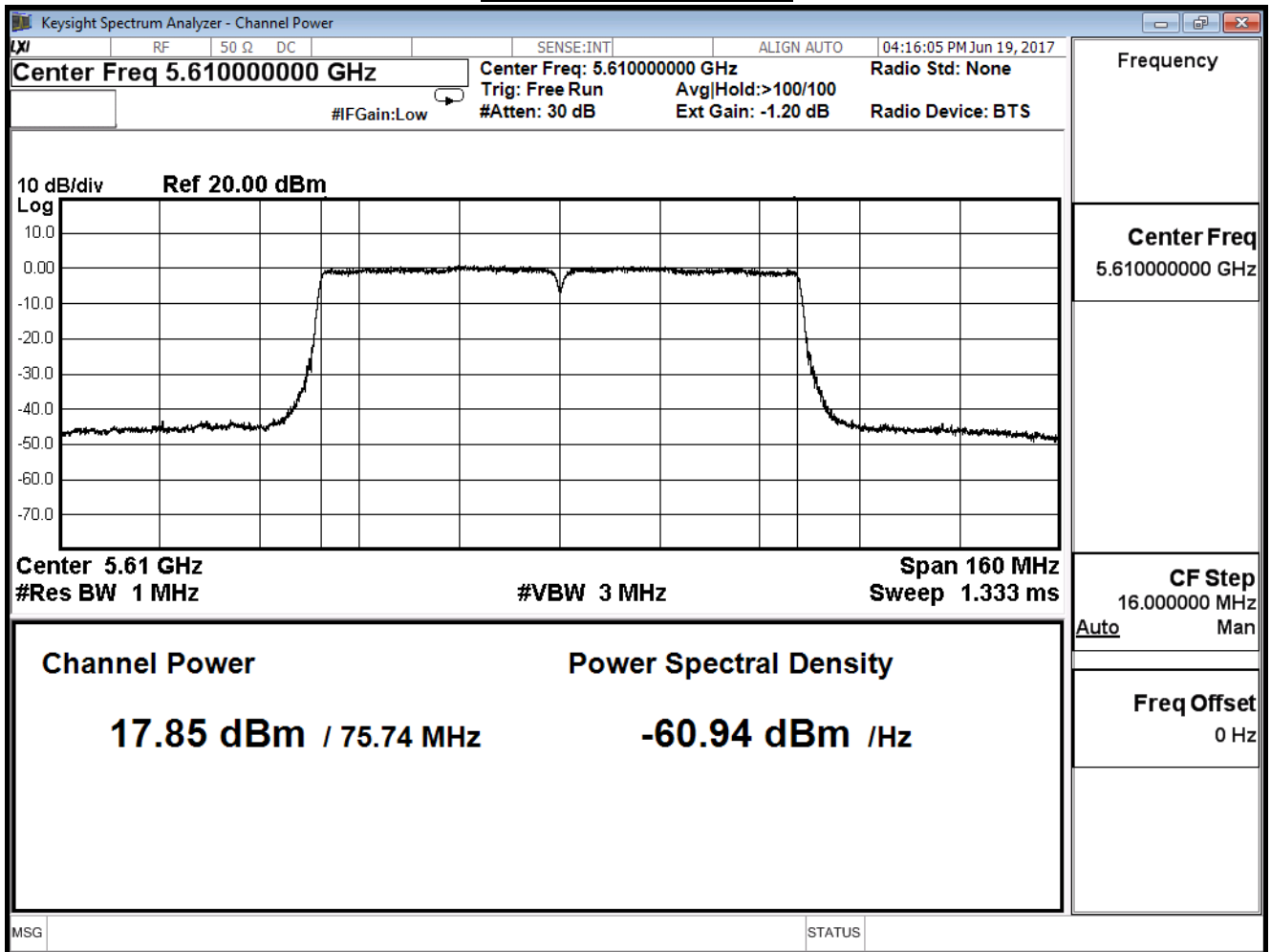
Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
106	5530	16.660	≤ 24
122	5610	17.850	≤ 24

The worst emission of data rate is MCS0

Channel 106 (5530MHz)



Channel 122 (5610MHz)



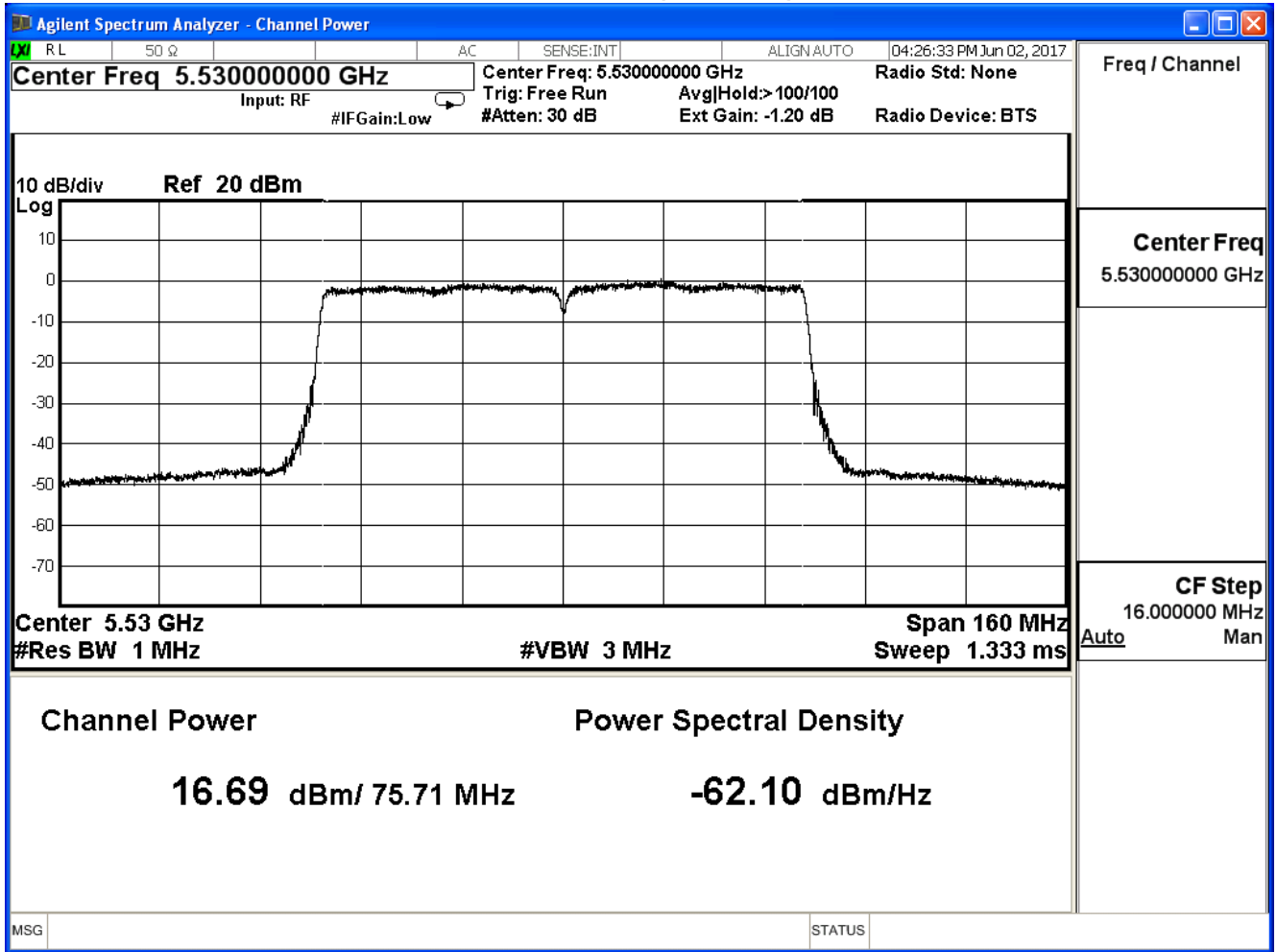
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: Tx_AD P: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/06/02	Test Site	SR10-H

IEEE 802.11ac(80MHz) (ANT 1)

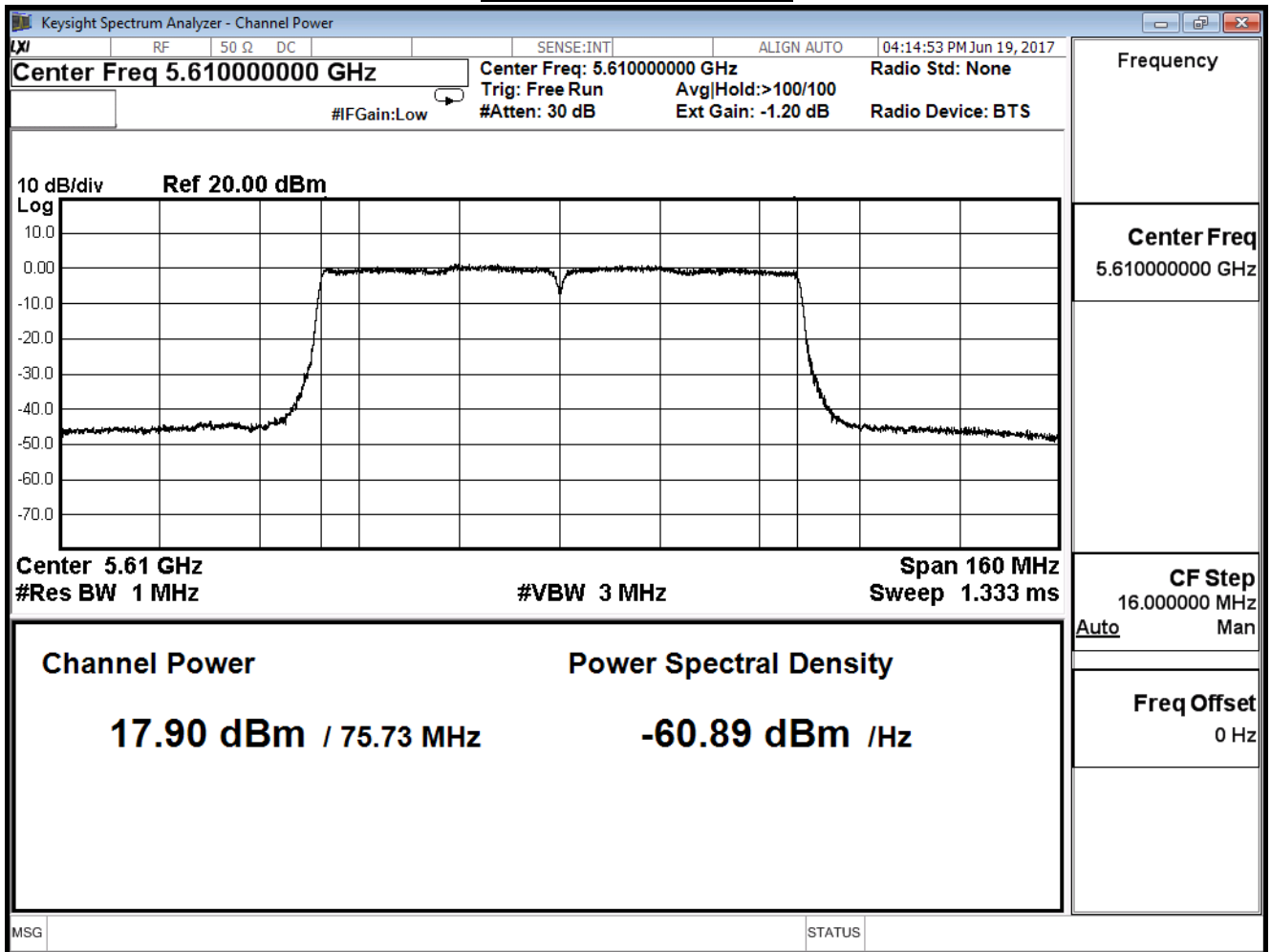
Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
106	5530	16.690	≤ 24
122	5610	17.900	≤ 24

The worst emission of data rate is MCS0

Channel 106 (5530MHz)



Channel 122 (5610MHz)



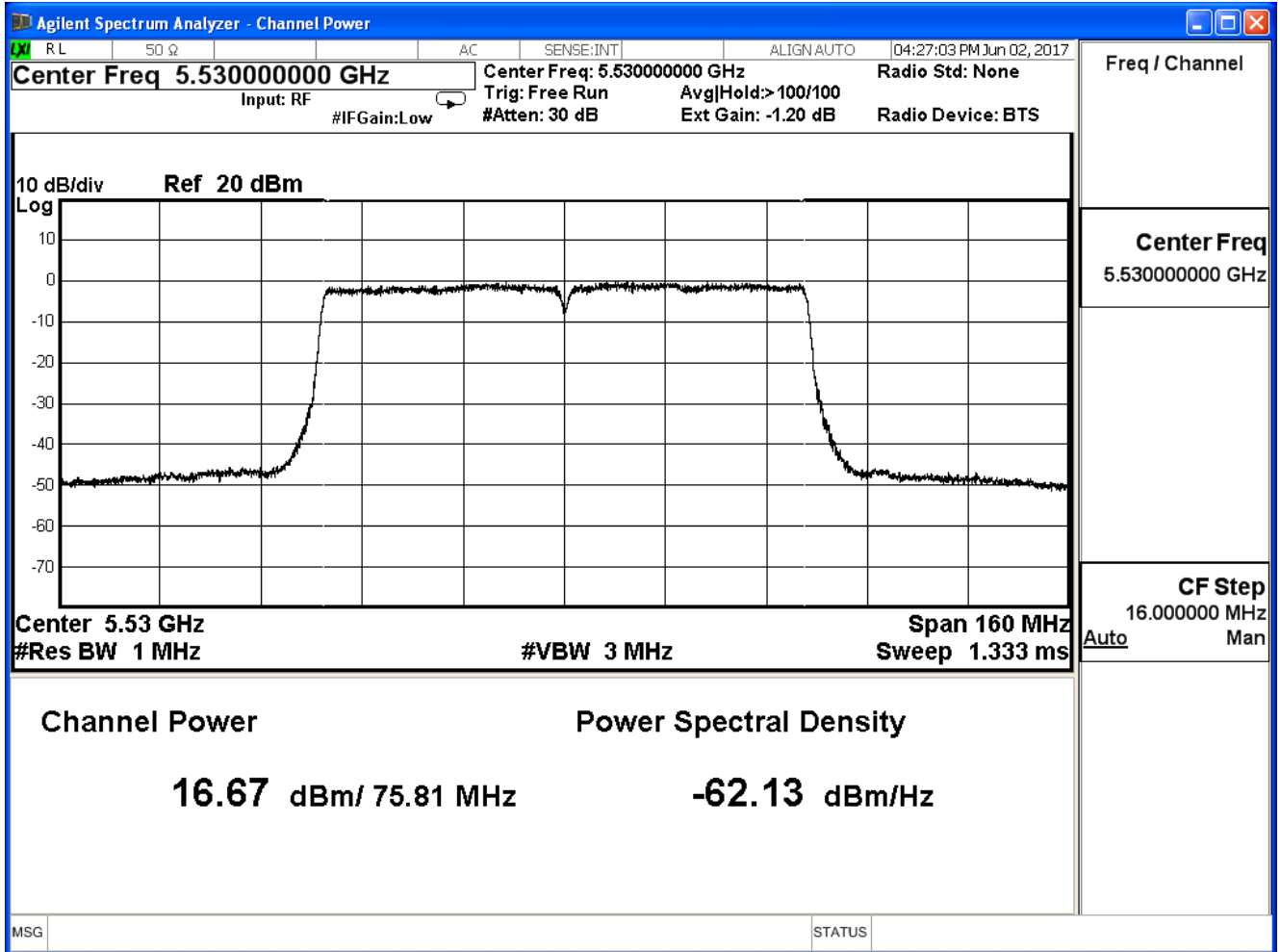
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: Tx_AD P: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/06/02	Test Site	SR10-H

IEEE 802.11ac(80MHz) (ANT 2)

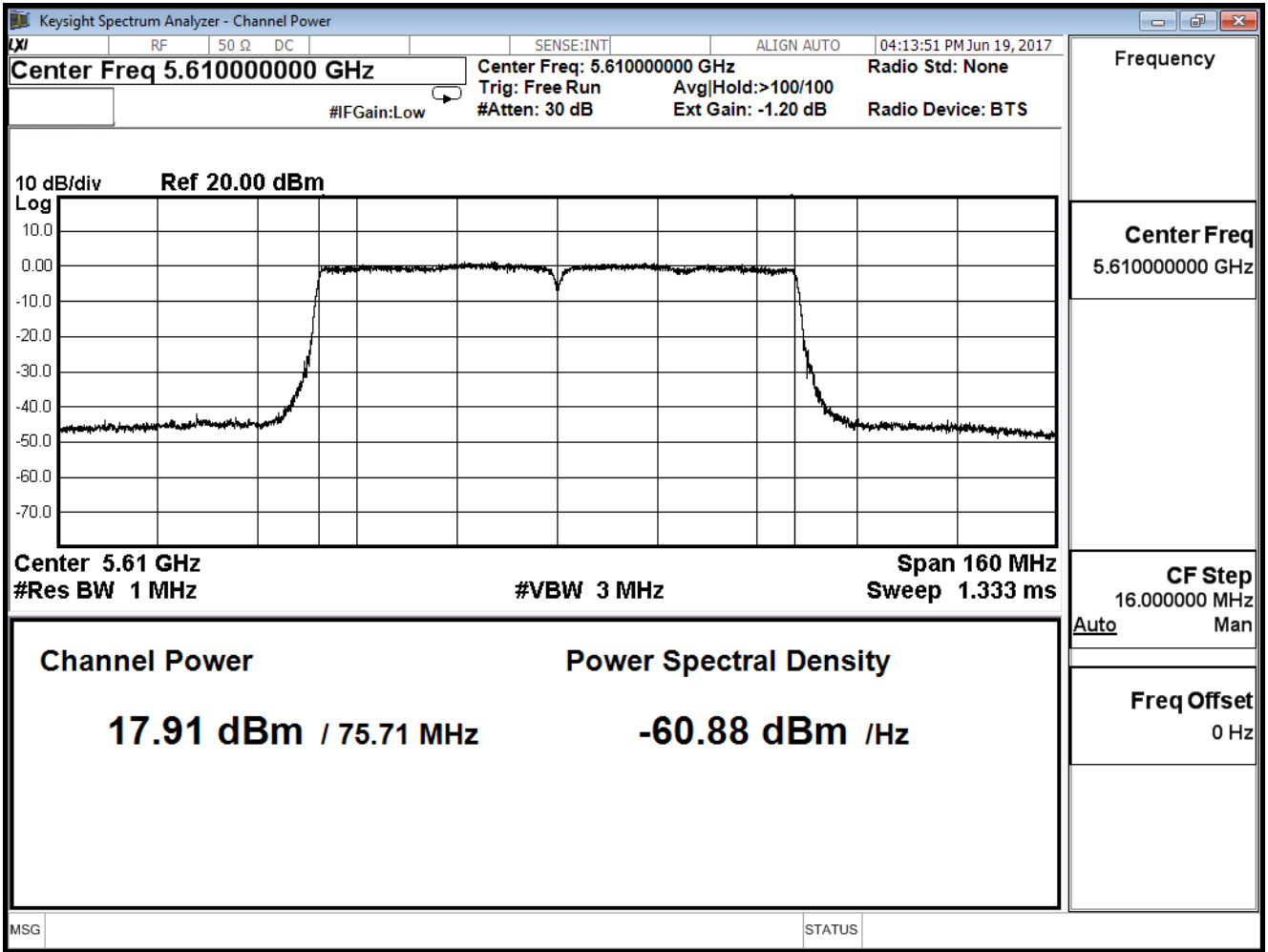
Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
106	5530	16.670	≤ 24
122	5610	17.910	≤ 24

The worst emission of data rate is MCS0

Channel 106 (5530MHz)



Channel 122 (5610MHz)



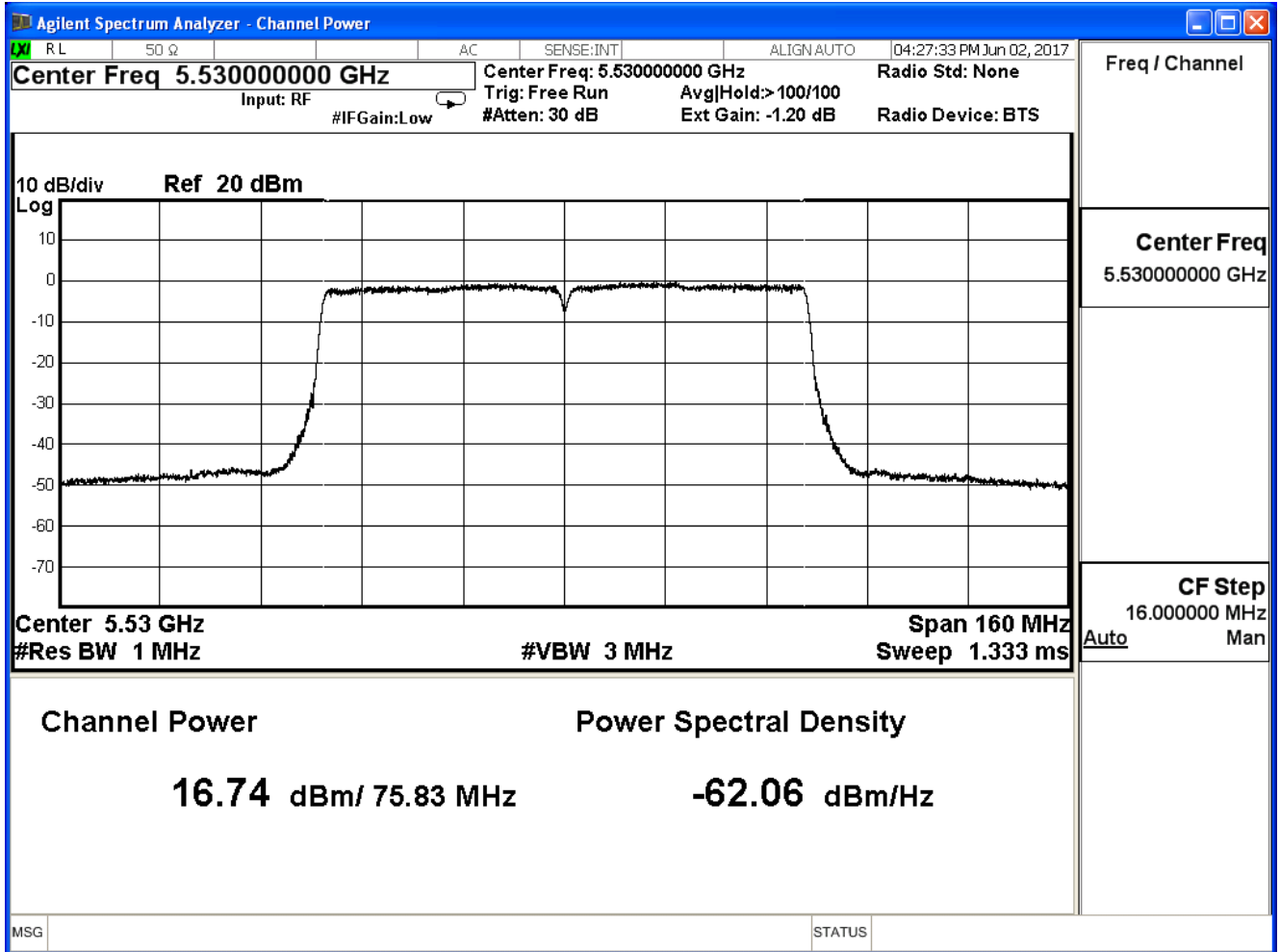
Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: Tx_AD P: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/06/02	Test Site	SR10-H

IEEE 802.11ac(80MHz) (ANT 3)

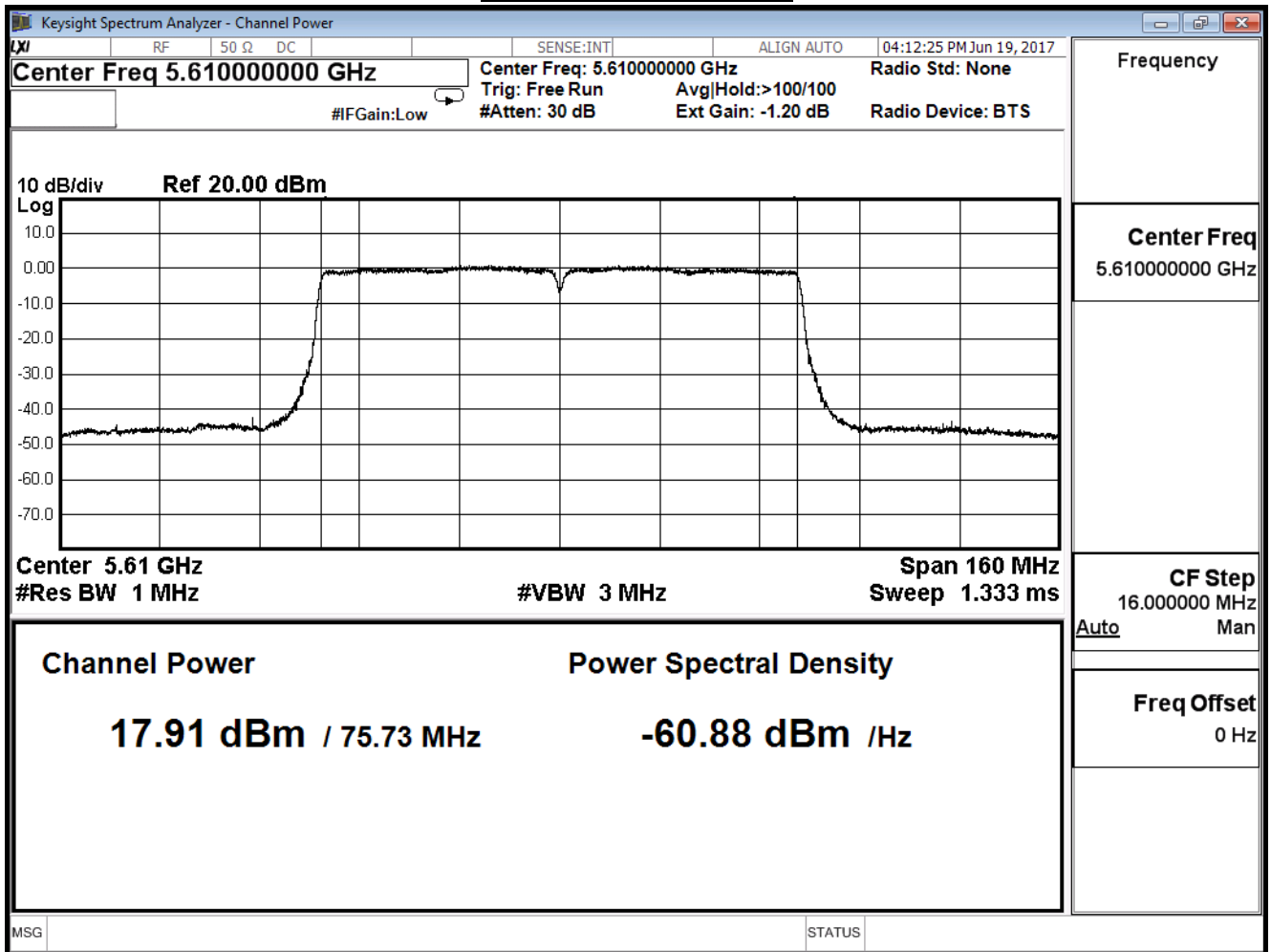
Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
106	5530	16.740	≤ 24
122	5610	17.910	≤ 24

The worst emission of data rate is MCS0

Channel 106 (5530MHz)



Channel 122 (5610MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/06/02	Test Site	SR10-H

IEEE 802.11ac(80MHz)(ANT 0+1+2+3)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
106	5530	22.711	≤ 24
122	5610	23.913	≤ 24

Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 3: Tx_AD P: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/06/02	Test Site	SR10-H

IEEE 802.11n(20MHz)(ANT 0)

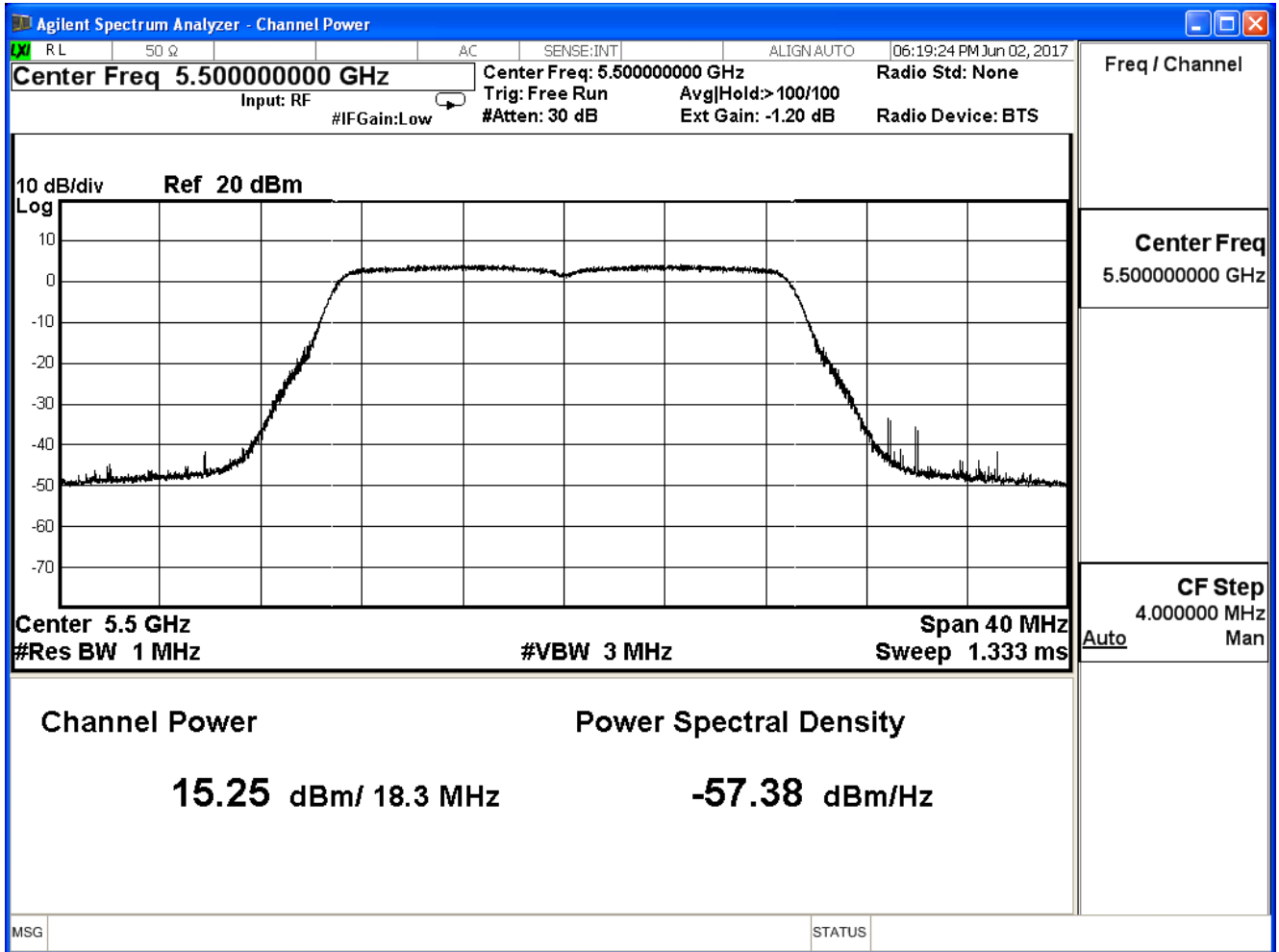
Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
100	5500	15.250	≤ 23.449
116	5580	14.750	≤ 23.449
140	5700	14.410	≤ 23.449

The worst emission of data rate is MCS 0

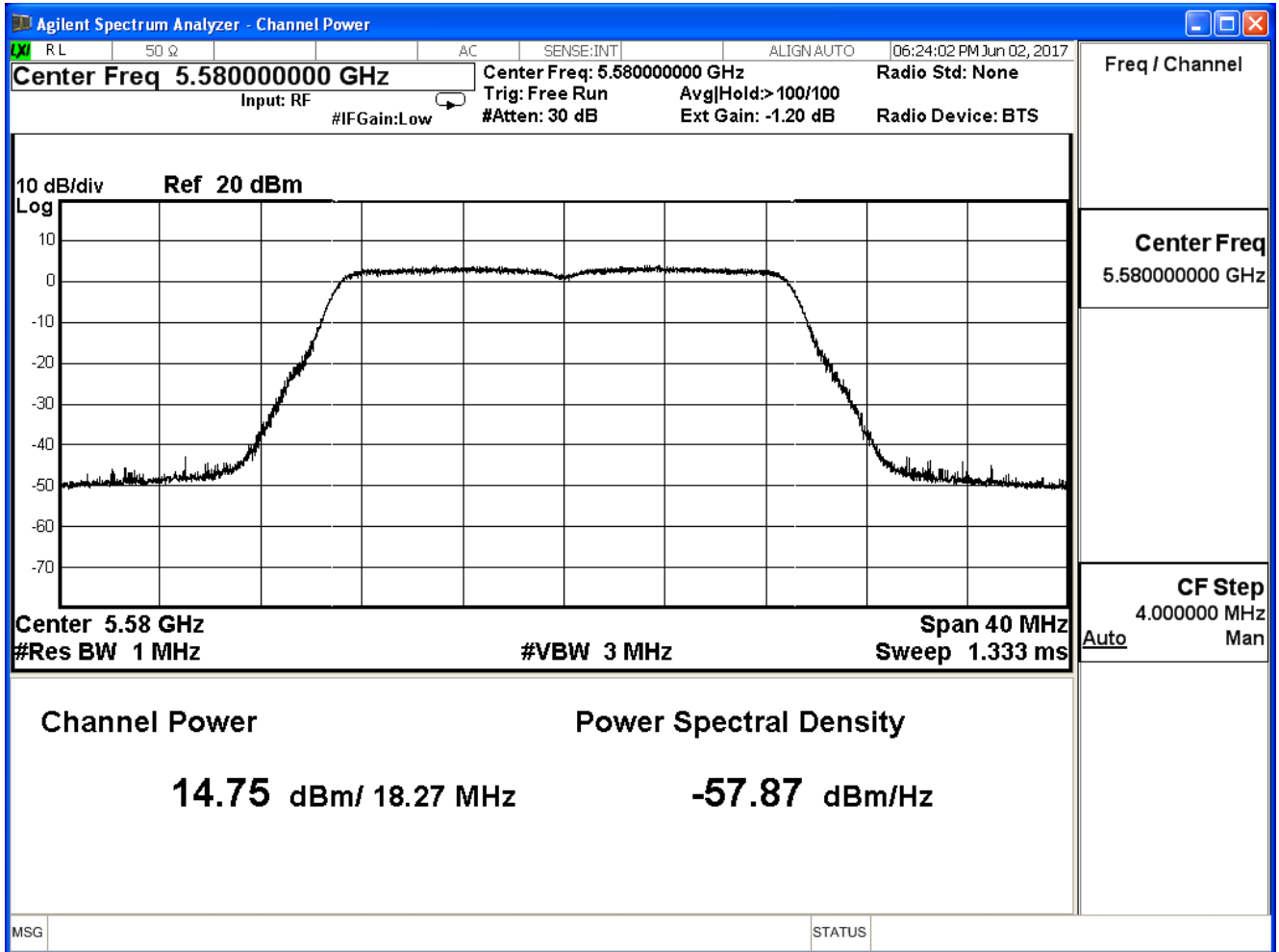
Directional gain= $10\log(\text{ANT N})+\text{Gain}=4.77+1.781=6.551$

Limit = $24\text{dBm}-(6.551\text{dBi}-6\text{dBi})=23.449\text{dBm}$

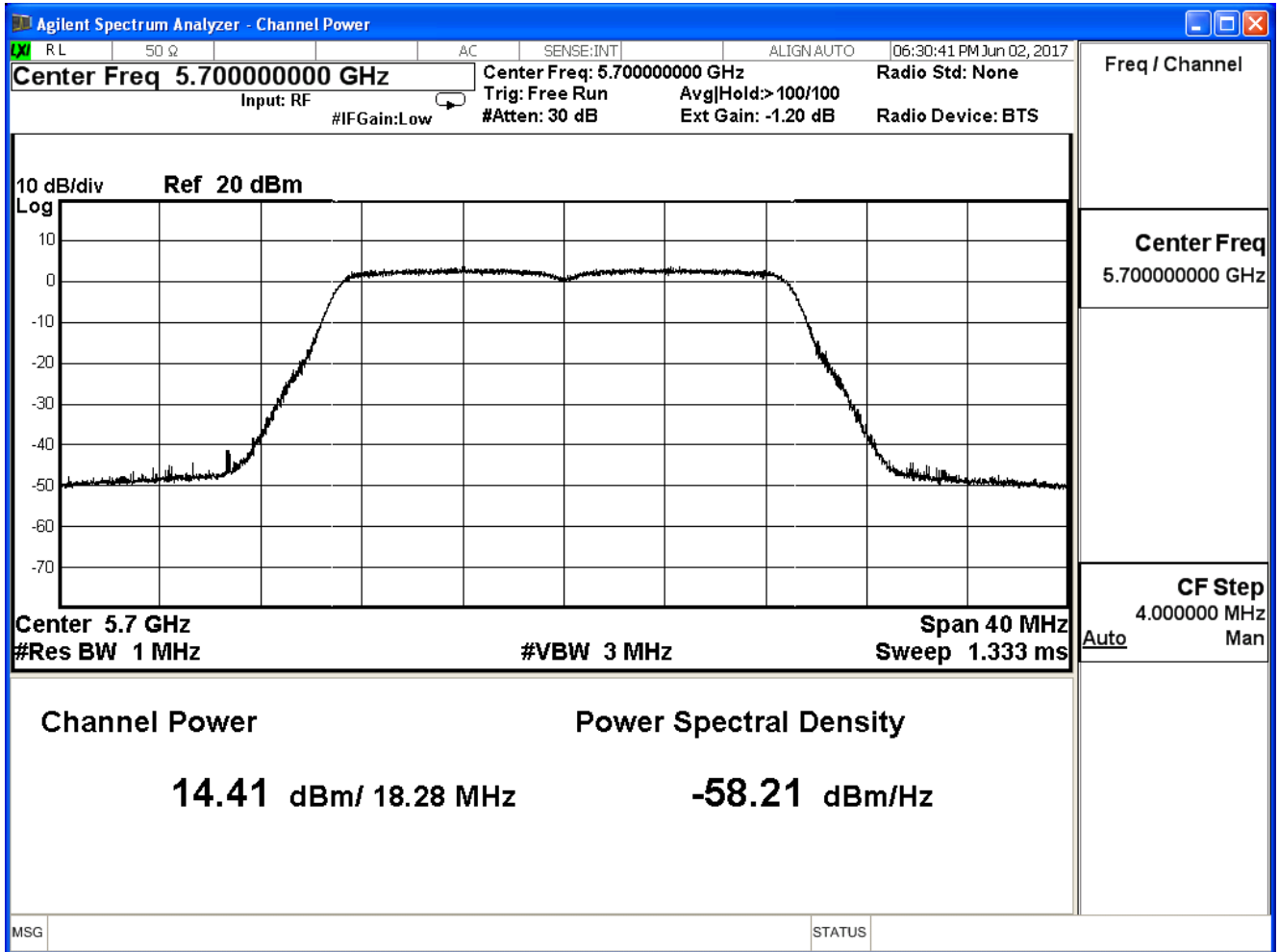
Channel 100 (5550MHz)



Channel 116 (5580MHz)



Channel 140 (5700MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 3: Tx_AD P: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/06/02	Test Site	SR10-H

IEEE 802.11n(20MHz)(ANT 1)

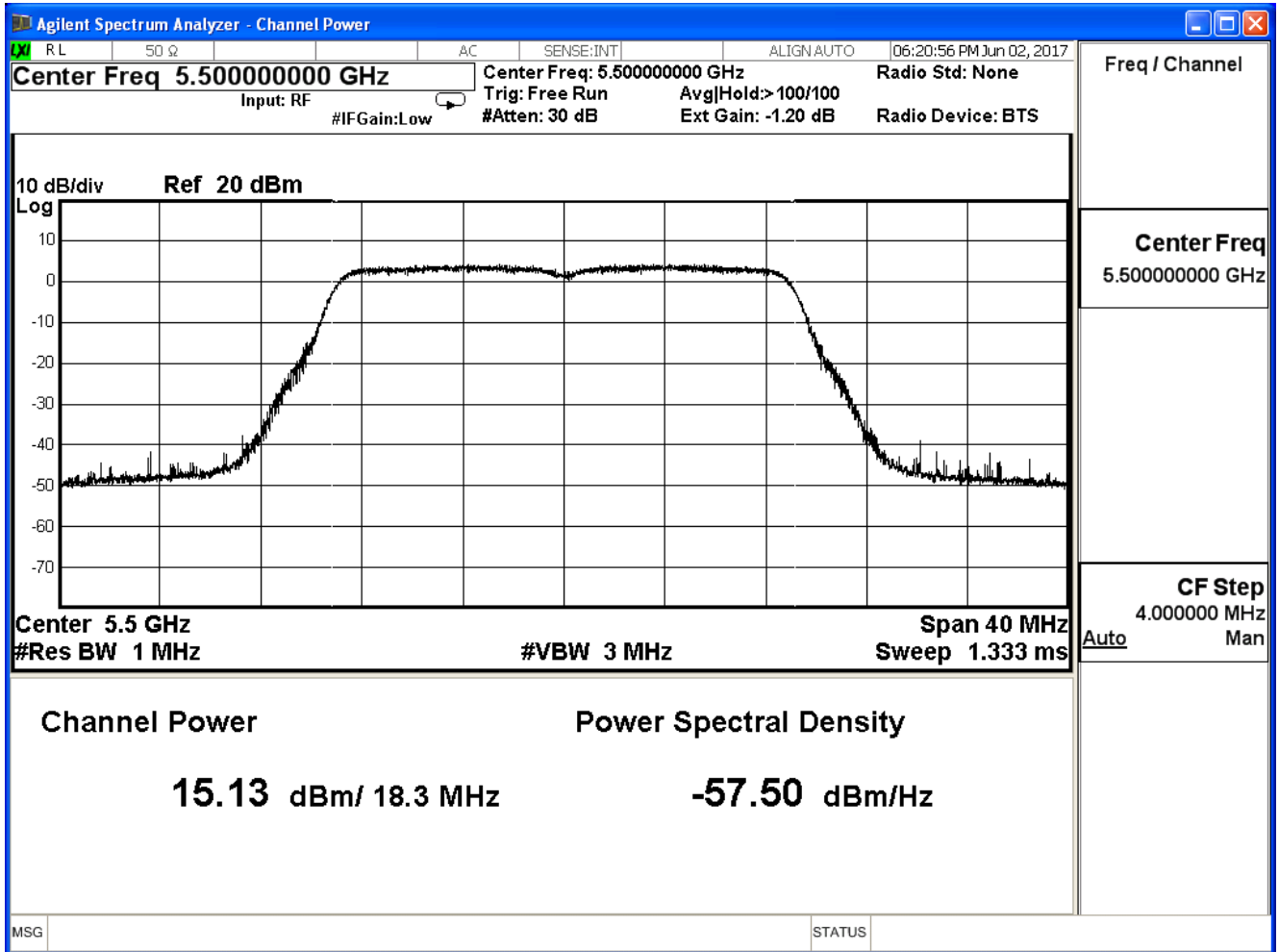
Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
100	5500	15.130	≤ 23.449
116	5580	14.690	≤ 23.449
140	5700	14.390	≤ 23.449

The worst emission of data rate is MCS 0

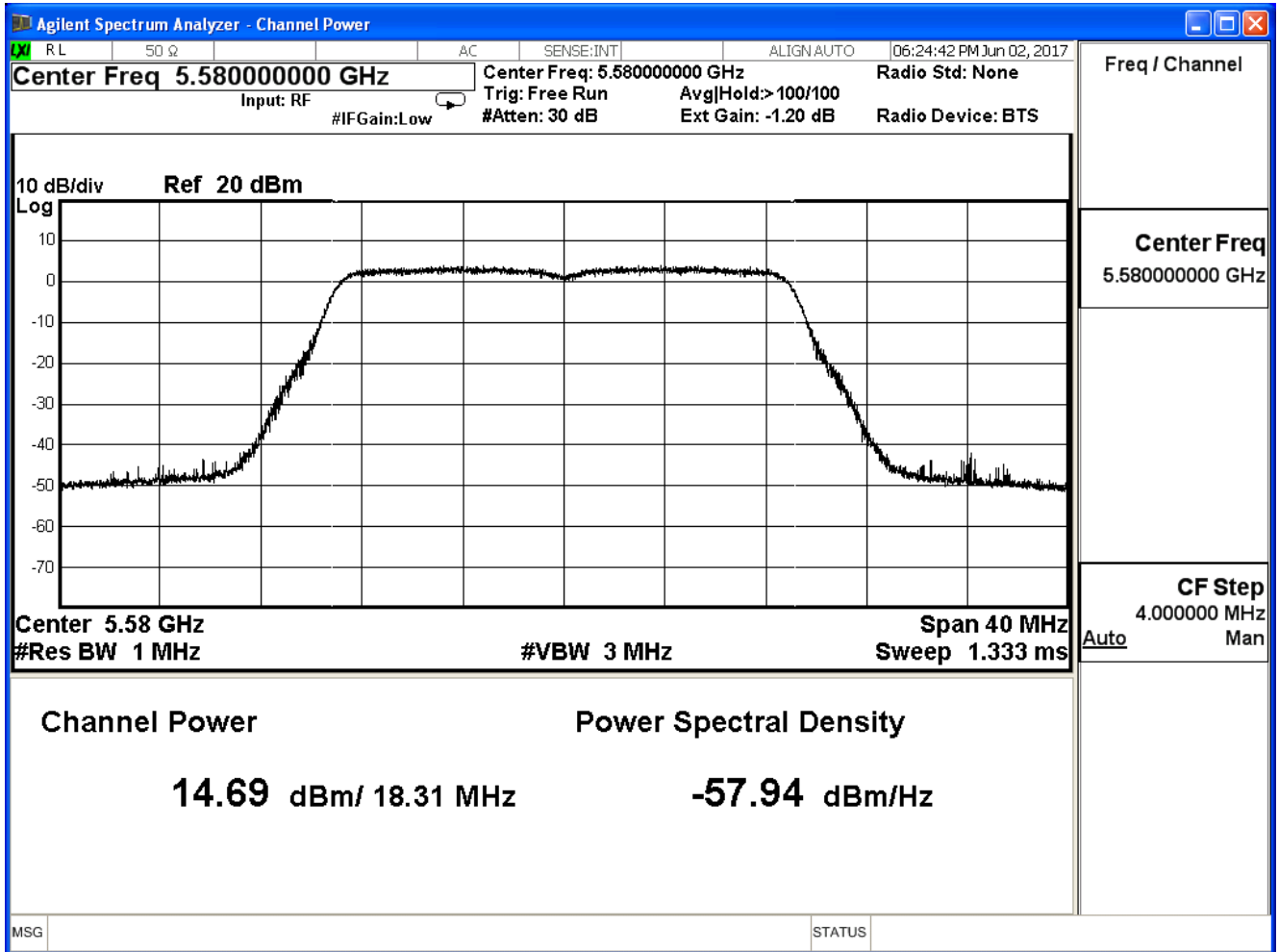
Directional gain= $10\log(\text{ANT N})+\text{Gain}=4.77+1.781=6.551$

Limit = $24\text{dBm}-(6.551\text{dBi}-6\text{dBi})=23.449\text{dBm}$

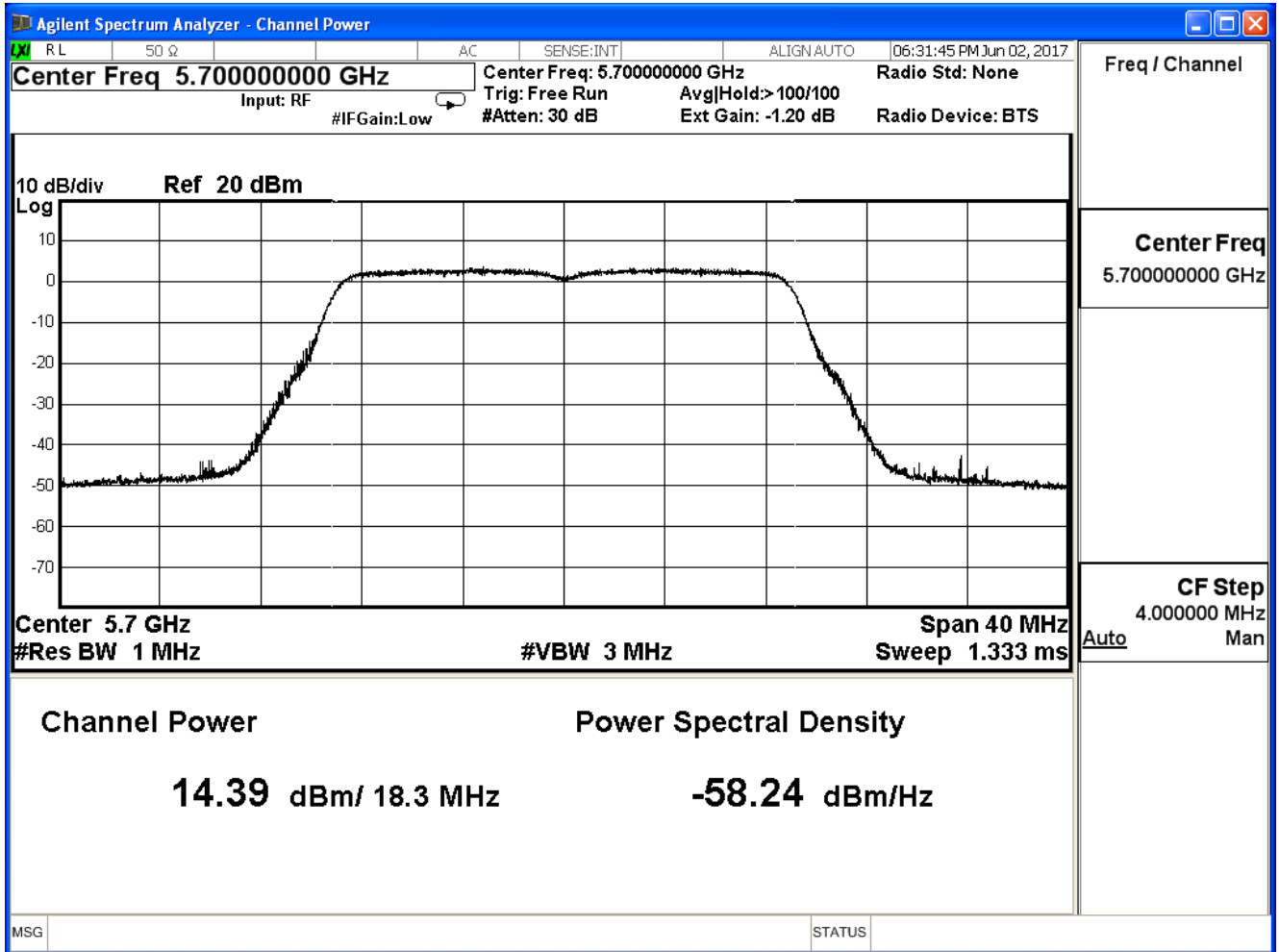
Channel 100 (5550MHz)



Channel 116 (5580MHz)



Channel 140 (5700MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 3: Tx_AD P: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/06/02	Test Site	SR10-H

IEEE 802.11n(20MHz)(ANT 2)

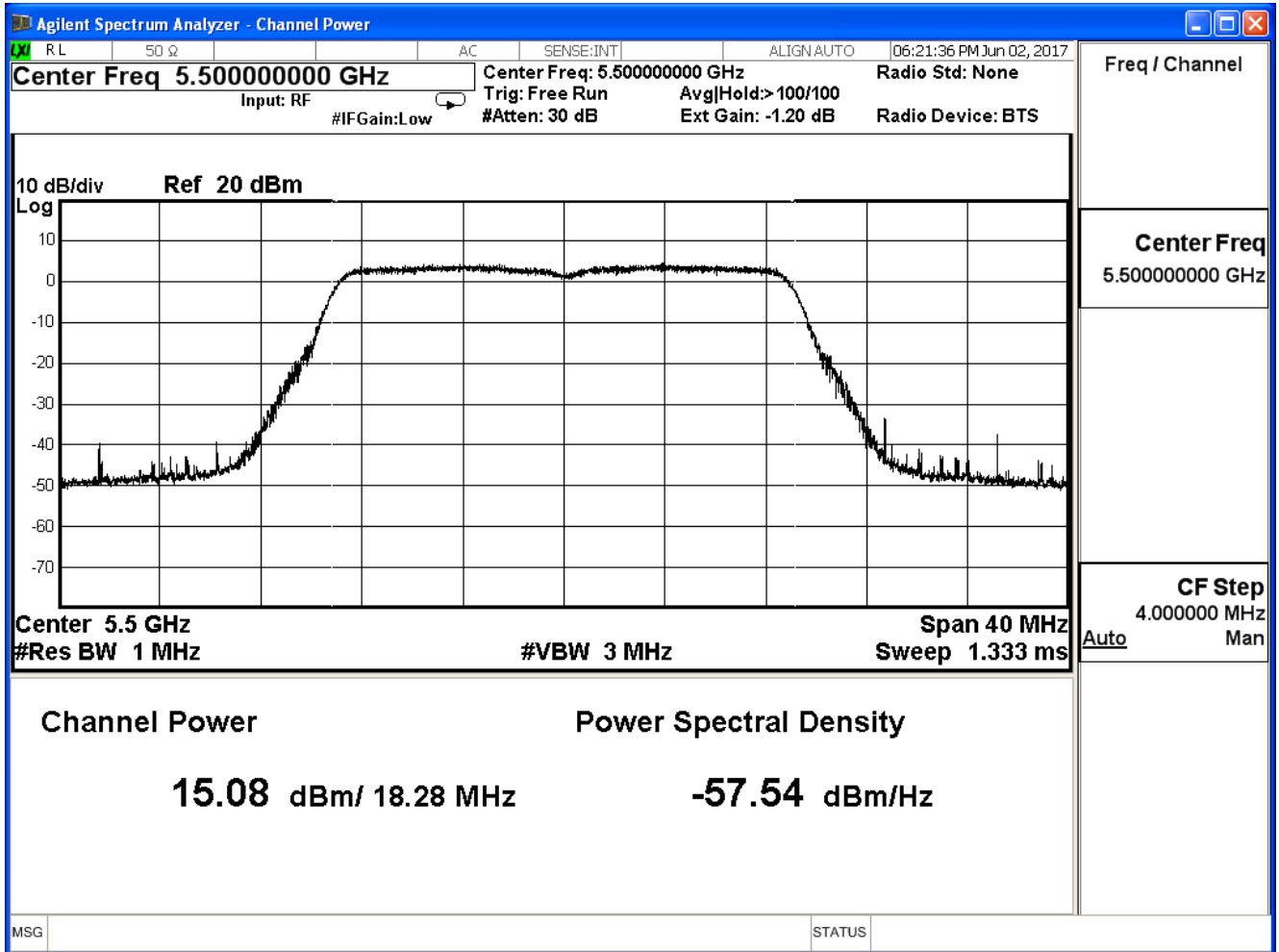
Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
100	5500	15.080	≤ 23.449
116	5580	14.680	≤ 23.449
140	5700	14.370	≤ 23.449

The worst emission of data rate is MCS 0

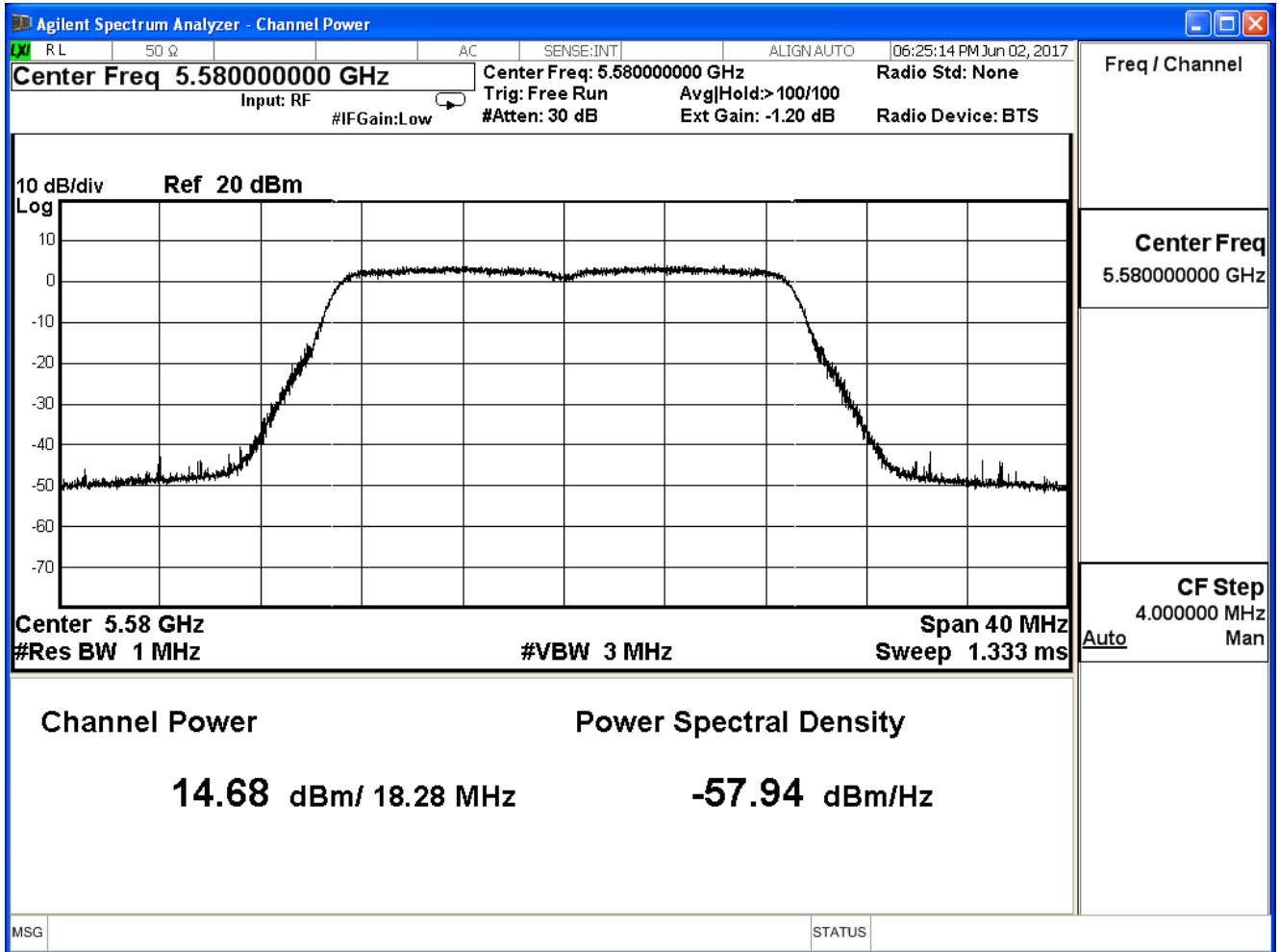
Directional gain= $10\log(\text{ANT N}) + \text{Gain} = 4.77 + 1.781 = 6.551$

Limit = $24\text{dBm} - (6.551\text{dBi} - 6\text{dBi}) = 23.449\text{dBm}$

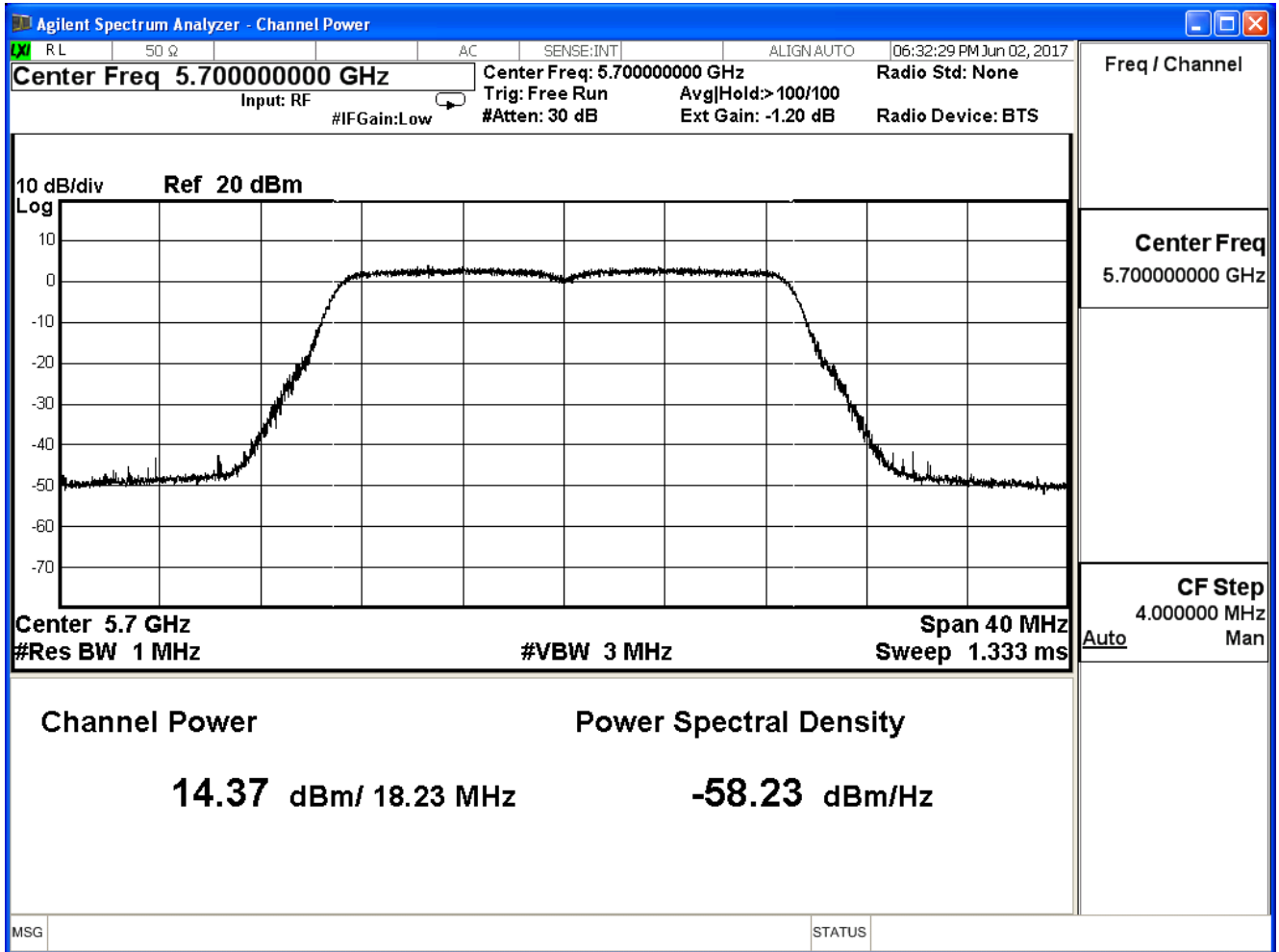
Channel 100 (5550MHz)



Channel 116 (5580MHz)



Channel 140 (5700MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 3: Tx_AD P: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/06/02	Test Site	SR10-H

IEEE 802.11n(20MHz)(ANT 3)

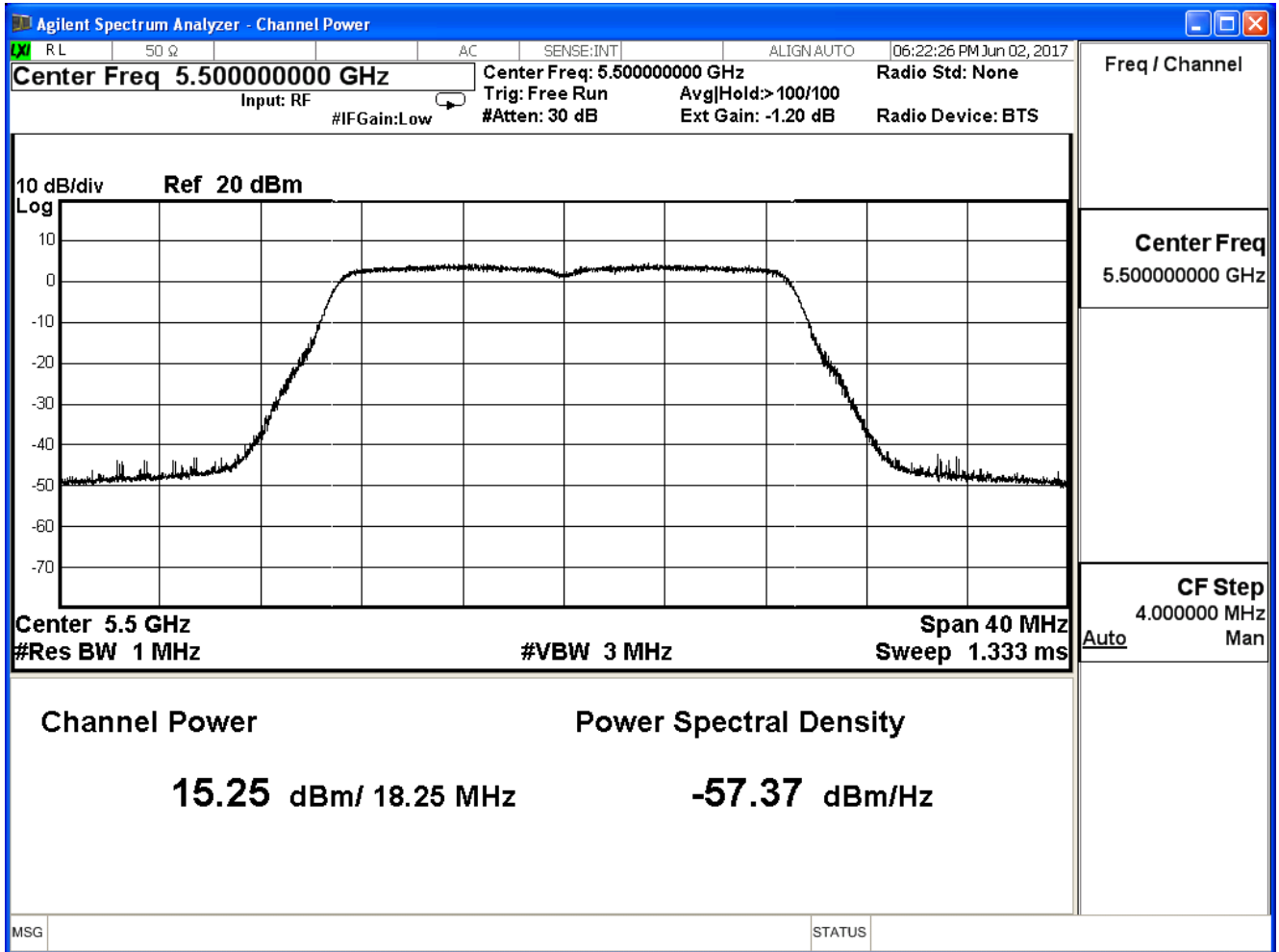
Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
100	5500	15.250	≤ 23.449
116	5580	14.820	≤ 23.449
140	5700	14.310	≤ 23.449

The worst emission of data rate is MCS 0

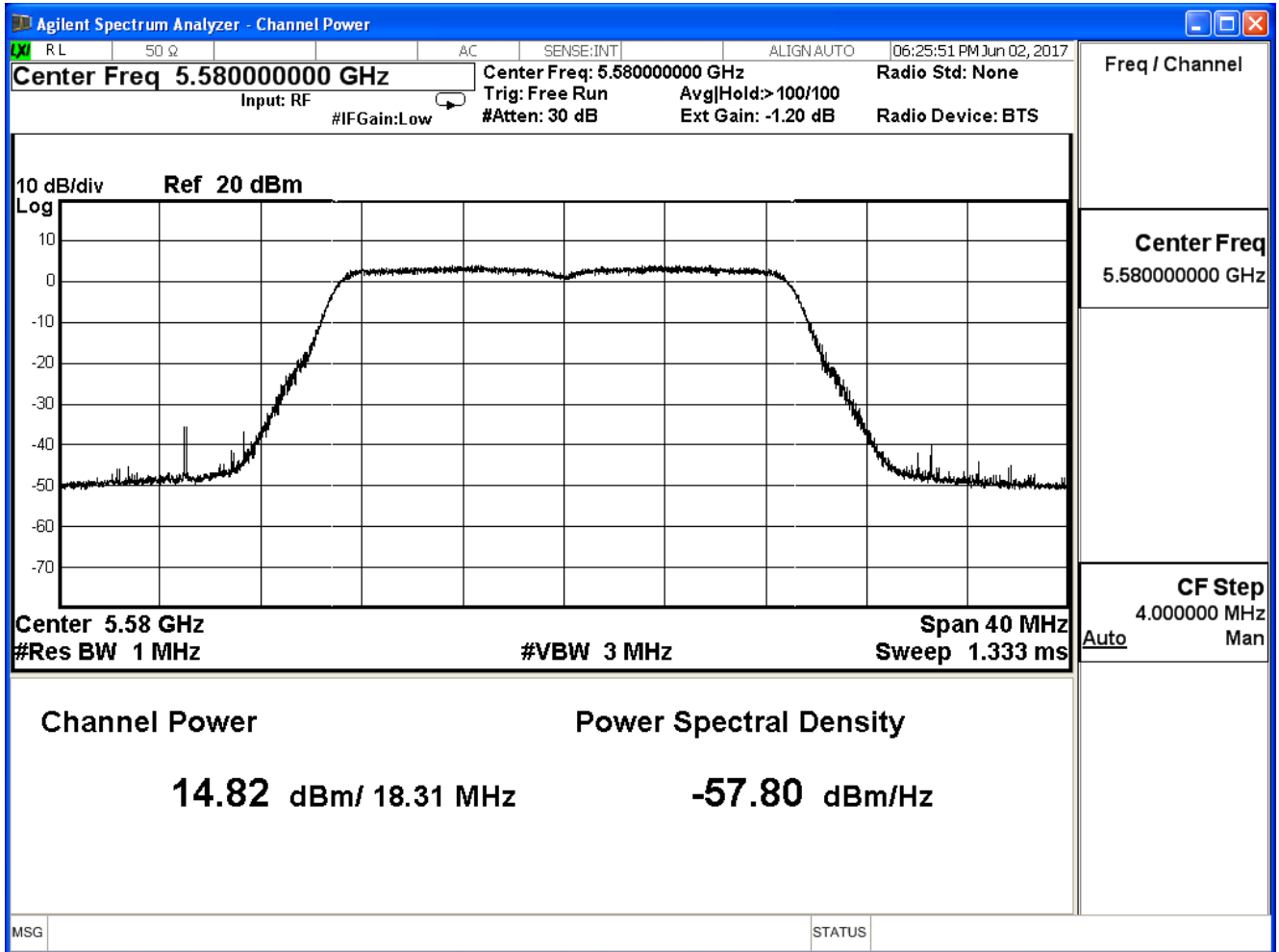
Directional gain= $10\log(\text{ANT N}) + \text{Gain} = 4.77 + 1.781 = 6.551$

Limit = $24\text{dBm} - (6.551\text{dBi} - 6\text{dBi}) = 23.449\text{dBm}$

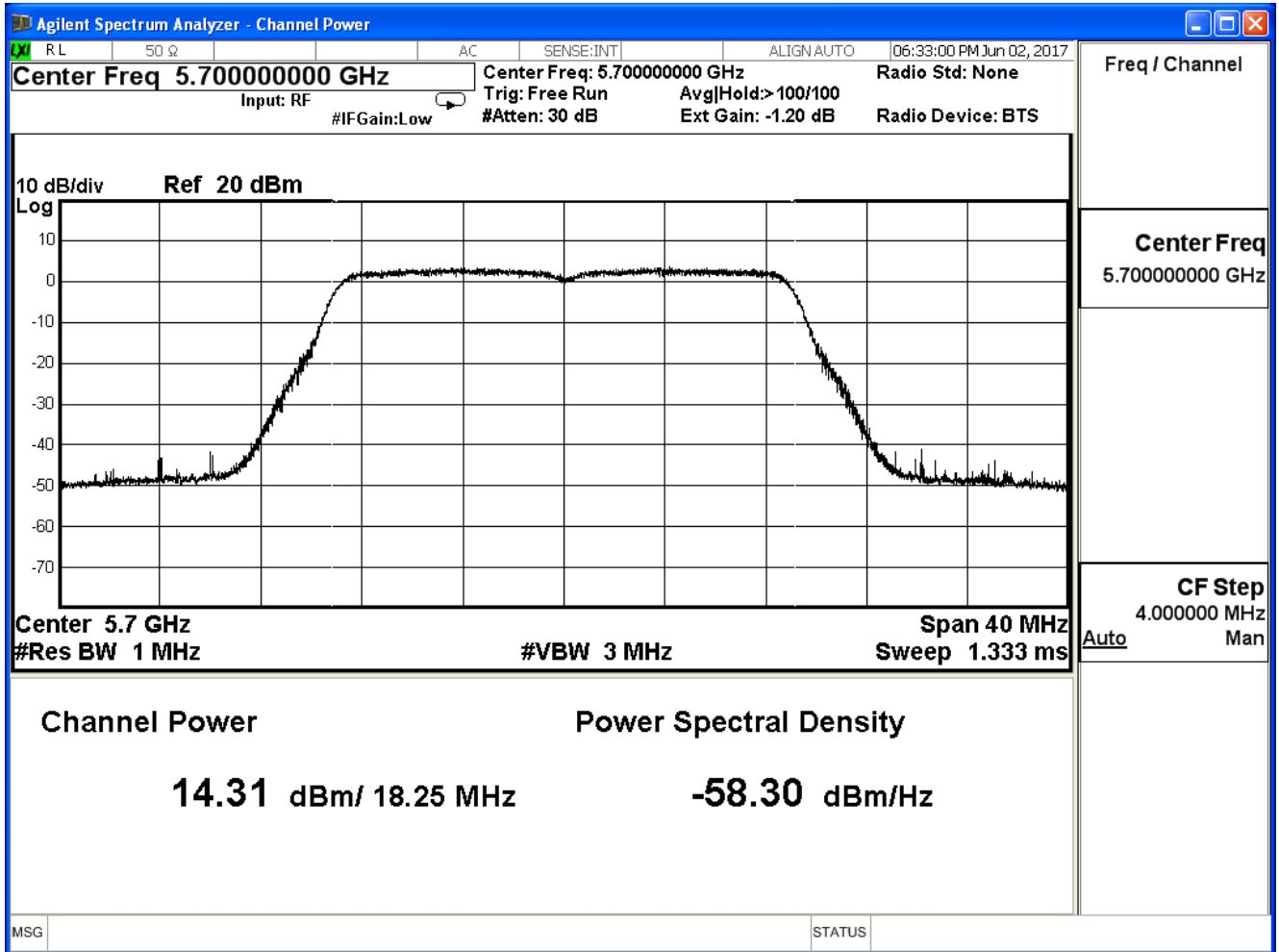
Channel 100 (5550MHz)



Channel 116 (5580MHz)



Channel 140 (5700MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 3: Tx_AD P: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/06/02	Test Site	SR10-H

IEEE 802.11n(20MHz)(ANT 0+1+2+3)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
100	5500	21.199	≤ 23.449
116	5580	20.756	≤ 23.449
140	5700	20.391	≤ 23.449

Directional gain=10log(ANT N)+Gain=4.77+1.781=6.551

Limit =24dBm-(6.551dBi-6dBi)=23.449dBm

Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 3: Tx_AD P: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/06/02	Test Site	SR10-H

IEEE 802.11n(40MHz)(ANT 0)

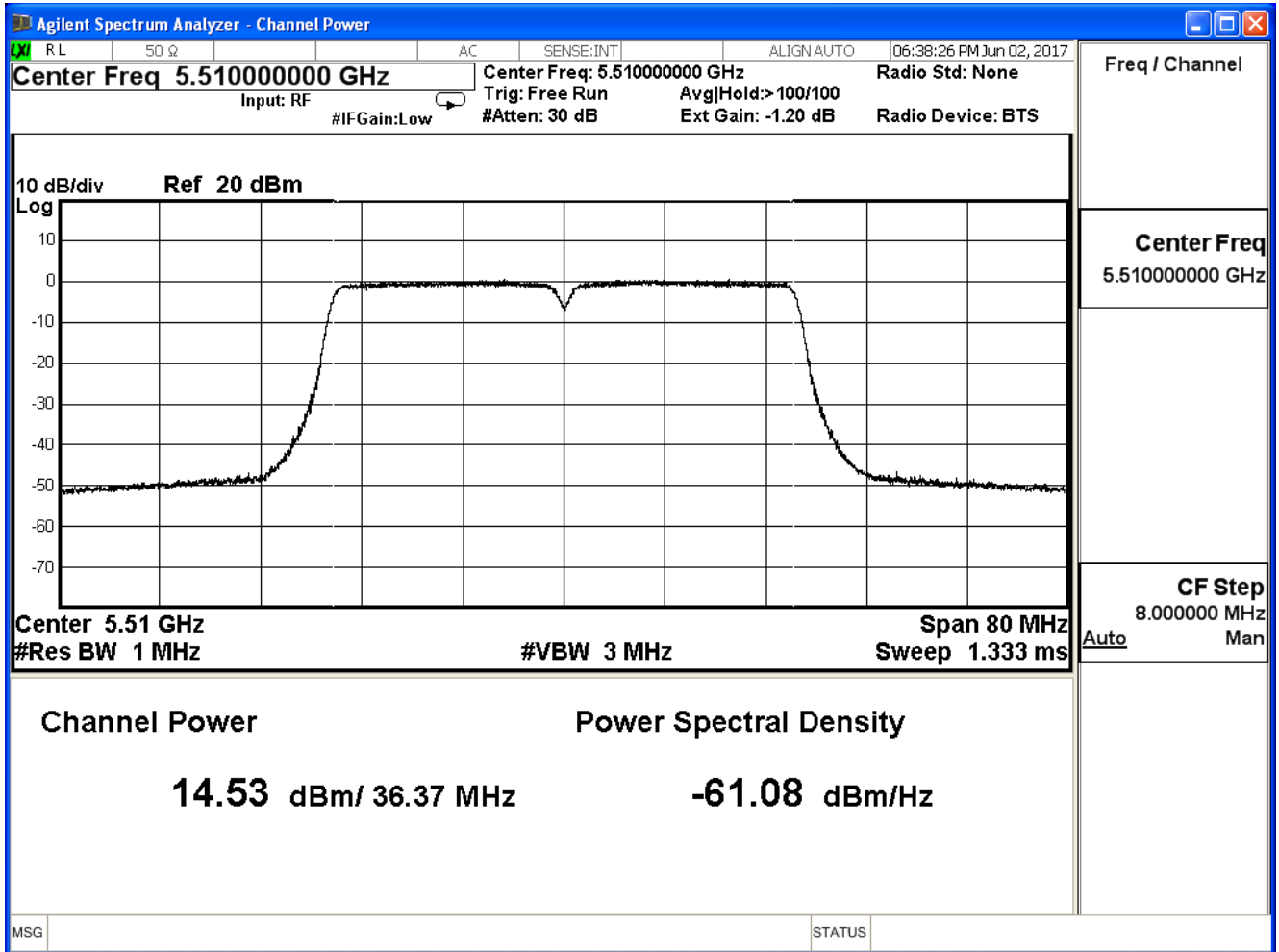
Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
102	5510	14.530	≤ 23.449
110	5550	18.000	≤ 23.449
134	5670	14.700	≤ 23.449

The worst emission of data rate is MCS 0

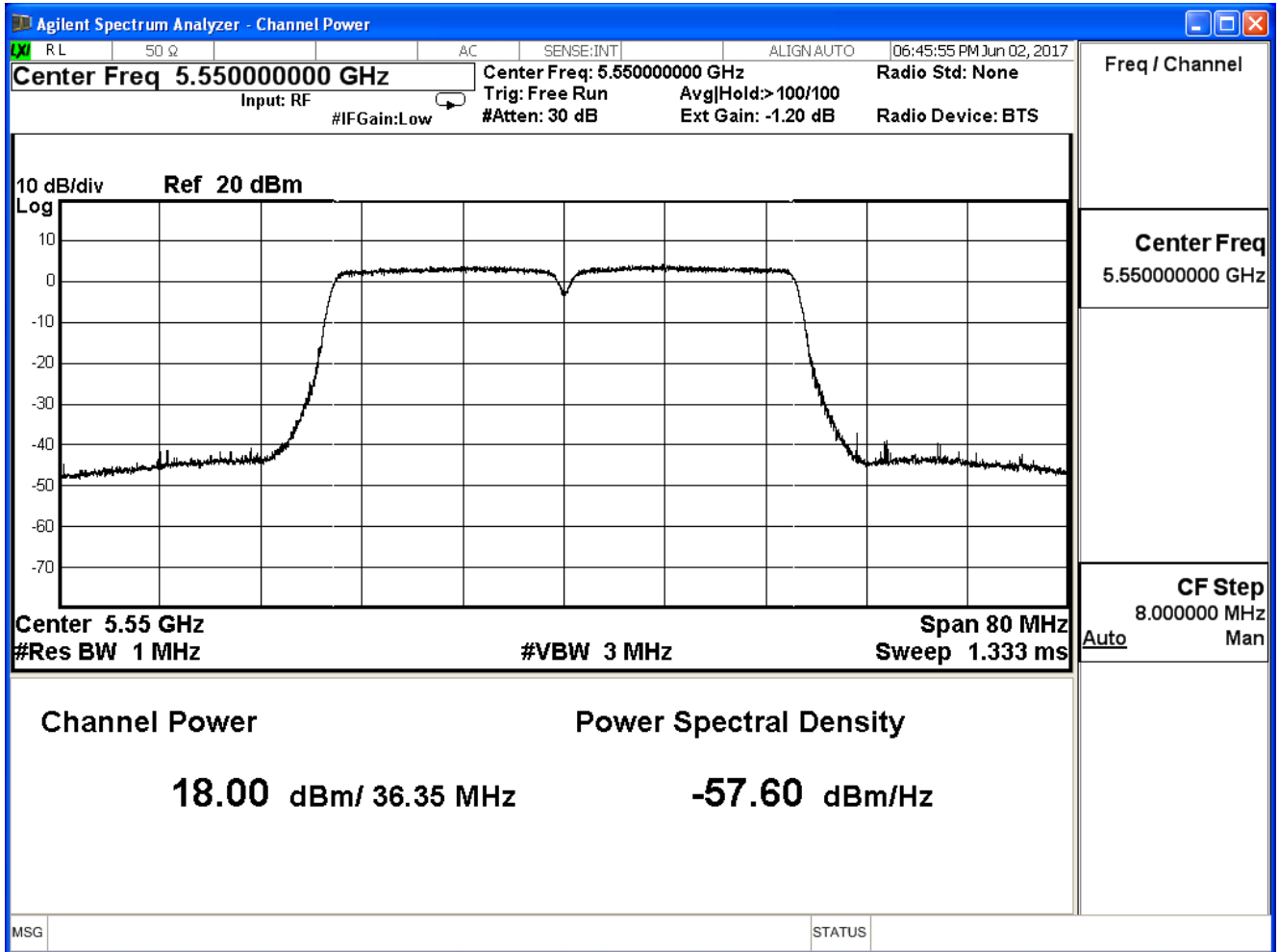
Directional gain= $10\log(\text{ANT N}) + \text{Gain} = 4.77 + 1.781 = 6.551$

Limit = $24\text{dBm} - (6.551\text{dBi} - 6\text{dBi}) = 23.449\text{dBm}$

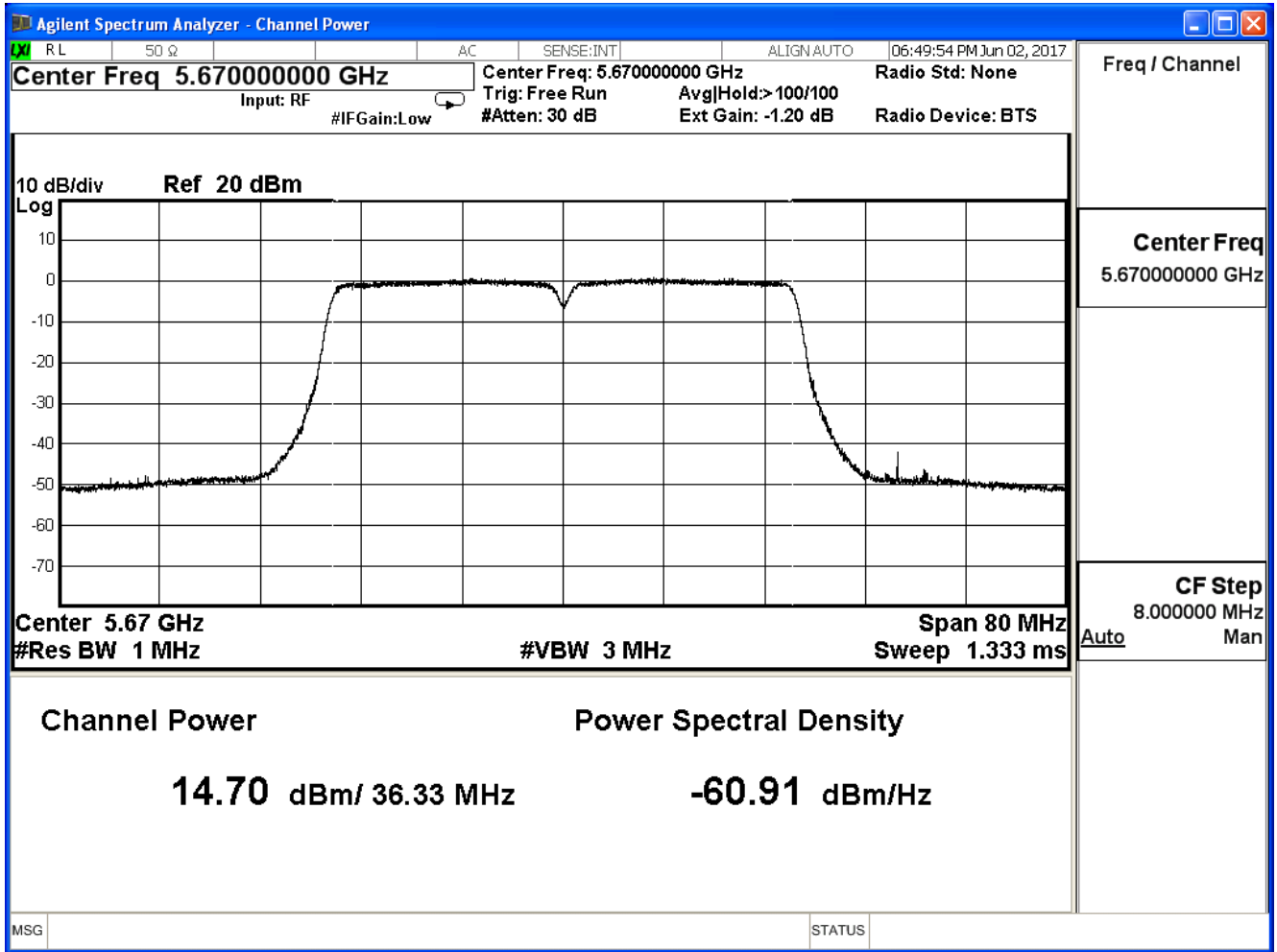
Channel 102 (5560MHz)



Channel 110 (5550MHz)



Channel 134 (5670MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 3: Tx_AD P: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/06/02	Test Site	SR10-H

IEEE 802.11n(40MHz)(ANT 1)

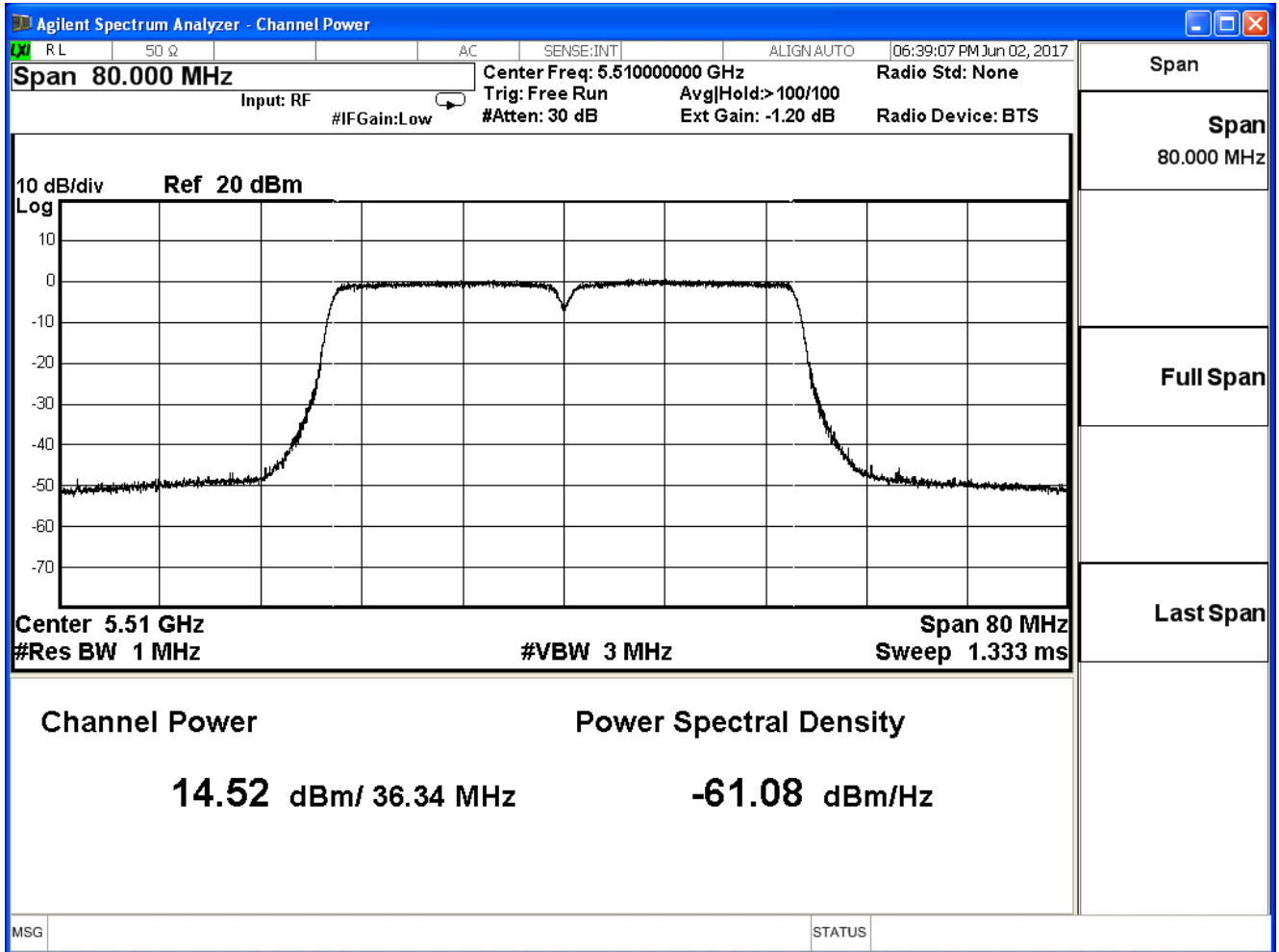
Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
102	5510	14.520	≤ 23.449
110	5550	17.970	≤ 23.449
134	5670	14.760	≤ 23.449

The worst emission of data rate is MCS 0

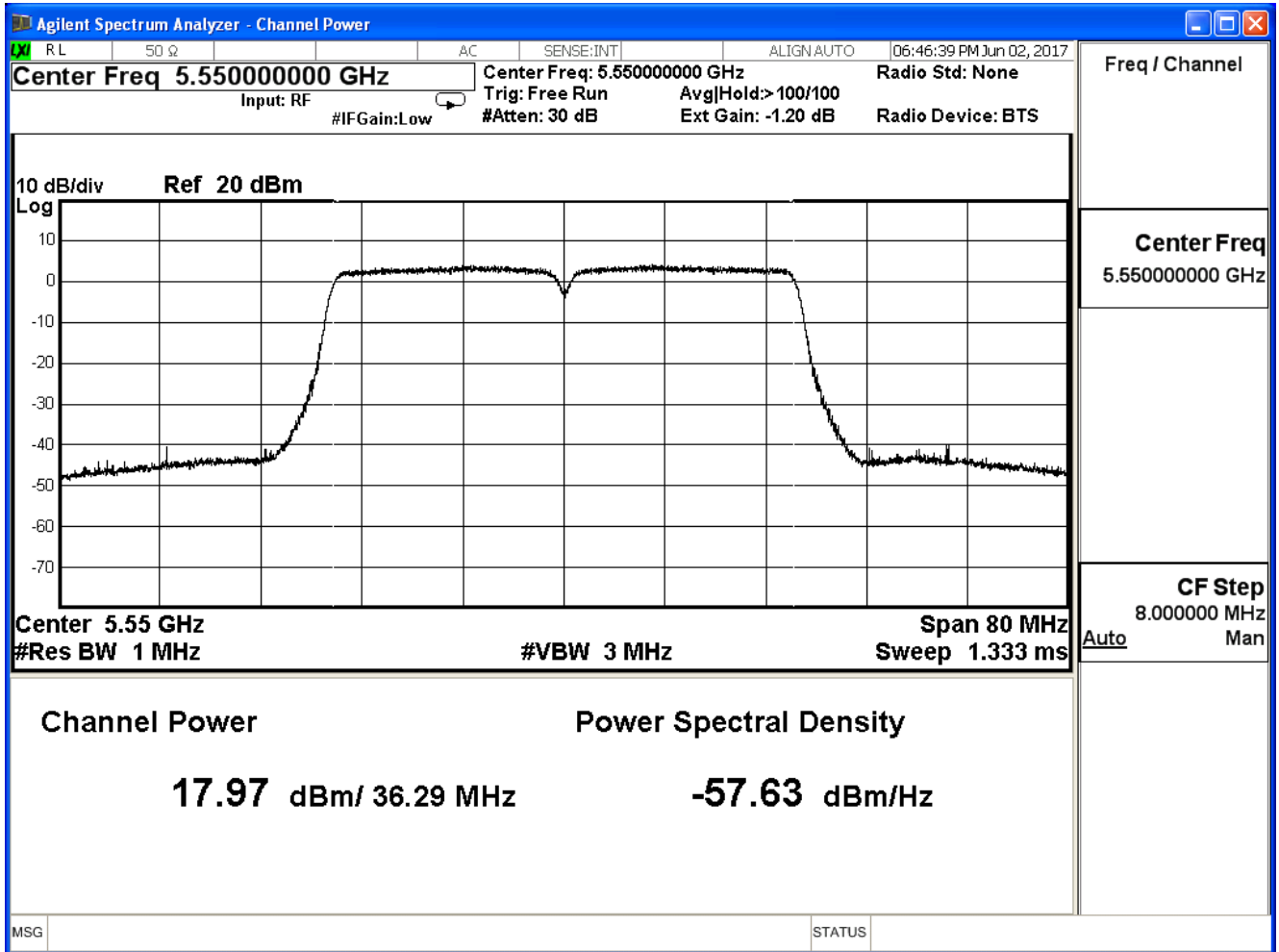
Directional gain= $10\log(\text{ANT N})+\text{Gain}=4.77+1.781=6.551$

Limit = $24\text{dBm}-(6.551\text{dBi}-6\text{dBi})=23.449\text{dBm}$

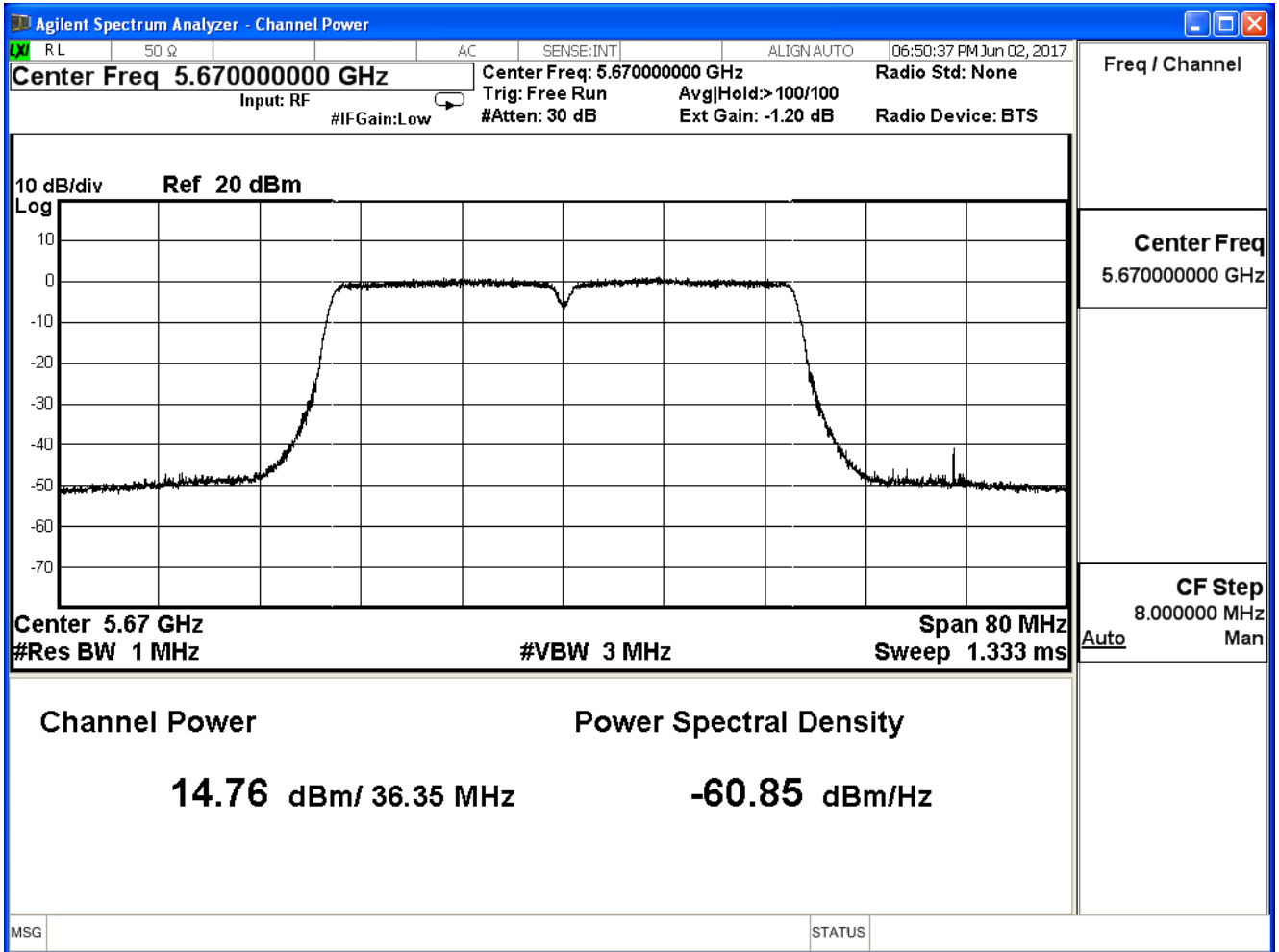
Channel 102 (5560MHz)



Channel 110 (5550MHz)



Channel 134 (5670MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 3: Tx_AD P: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/06/02	Test Site	SR10-H

IEEE 802.11n(40MHz)(ANT 2)

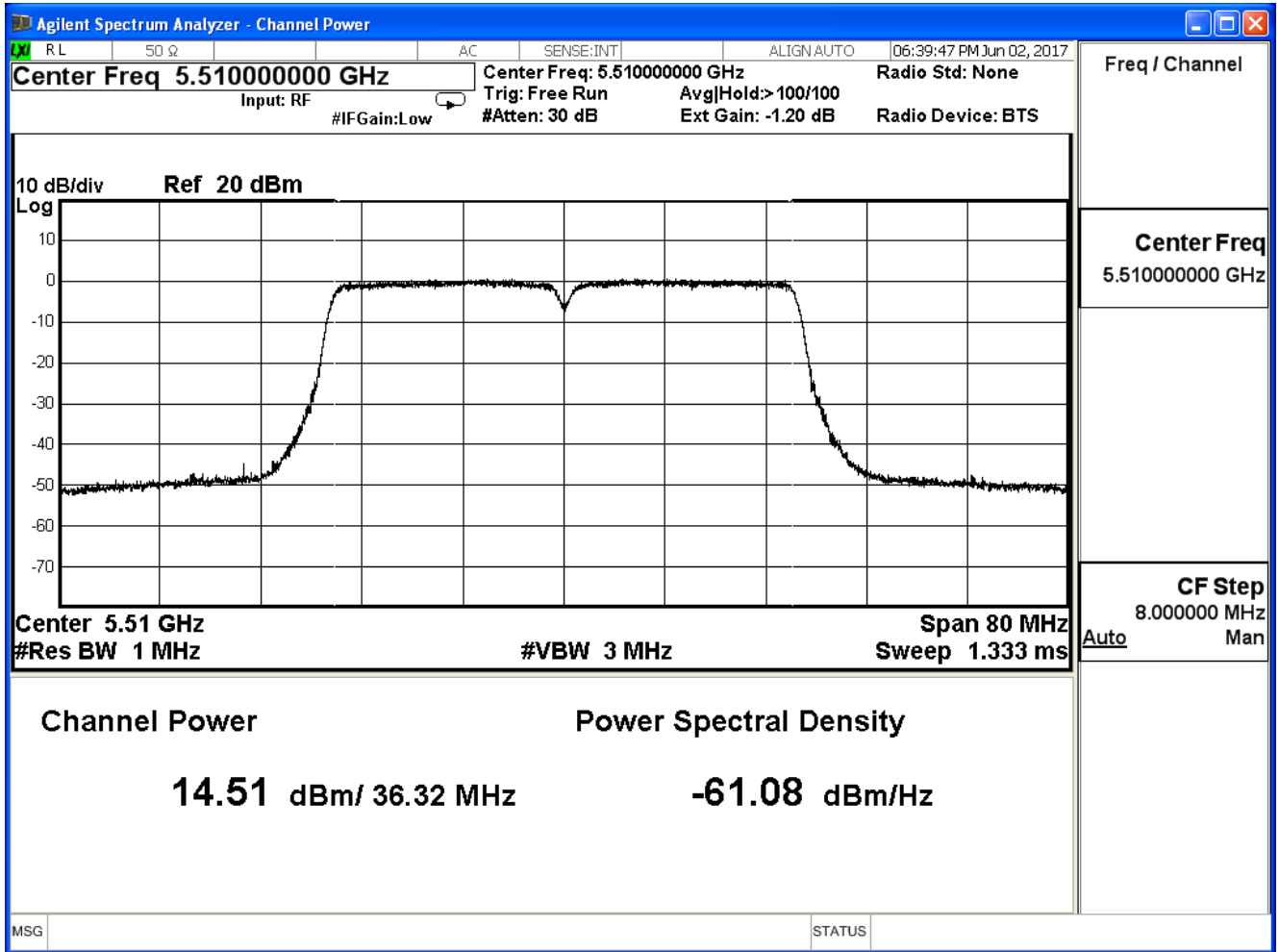
Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
102	5510	14.510	≤ 23.449
110	5550	17.950	≤ 23.449
134	5670	14.730	≤ 23.449

The worst emission of data rate is MCS 0

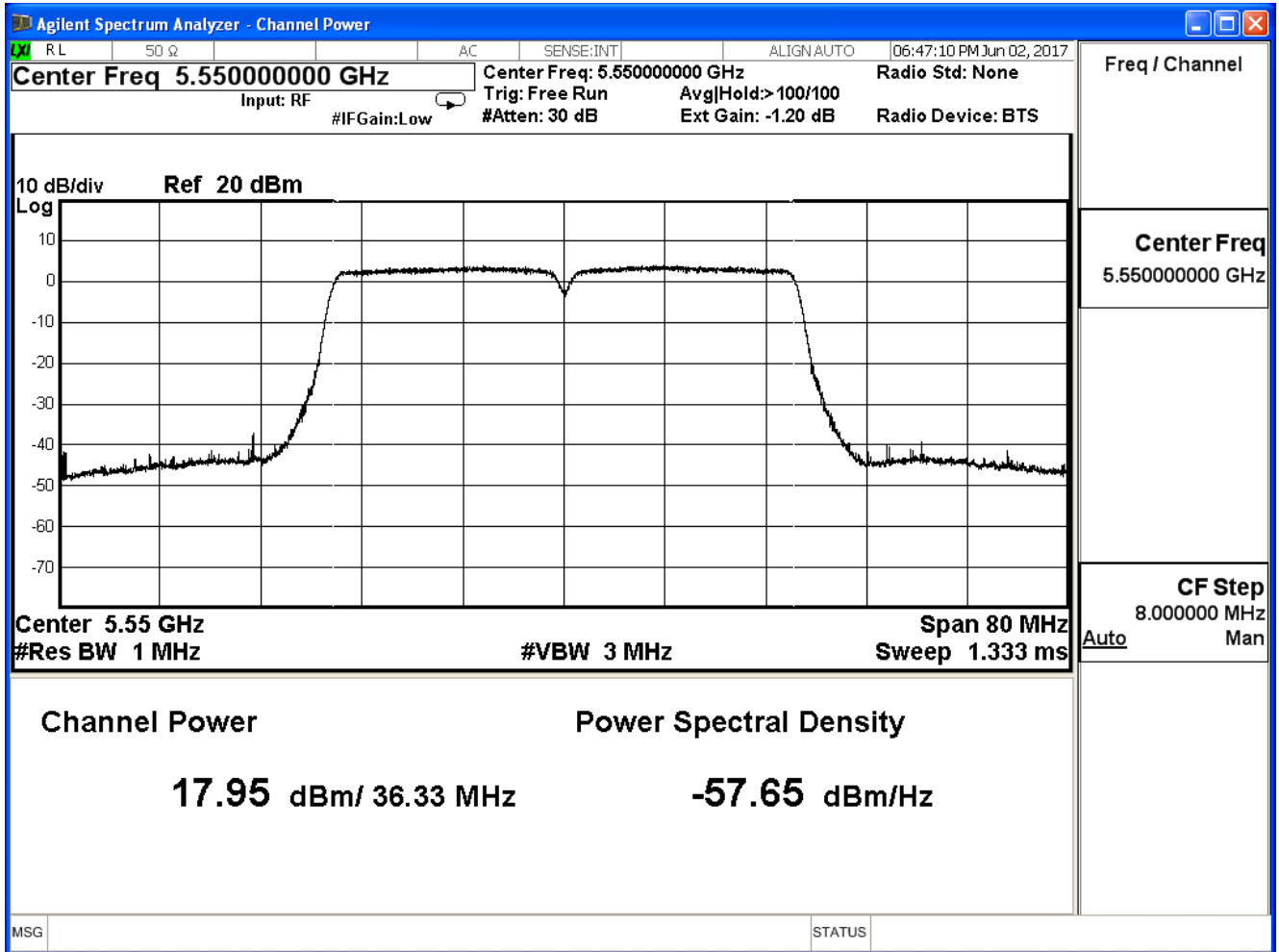
Directional gain= $10\log(\text{ANT N}) + \text{Gain} = 4.77 + 1.781 = 6.551$

Limit = $24\text{dBm} - (6.551\text{dBi} - 6\text{dBi}) = 23.449\text{dBm}$

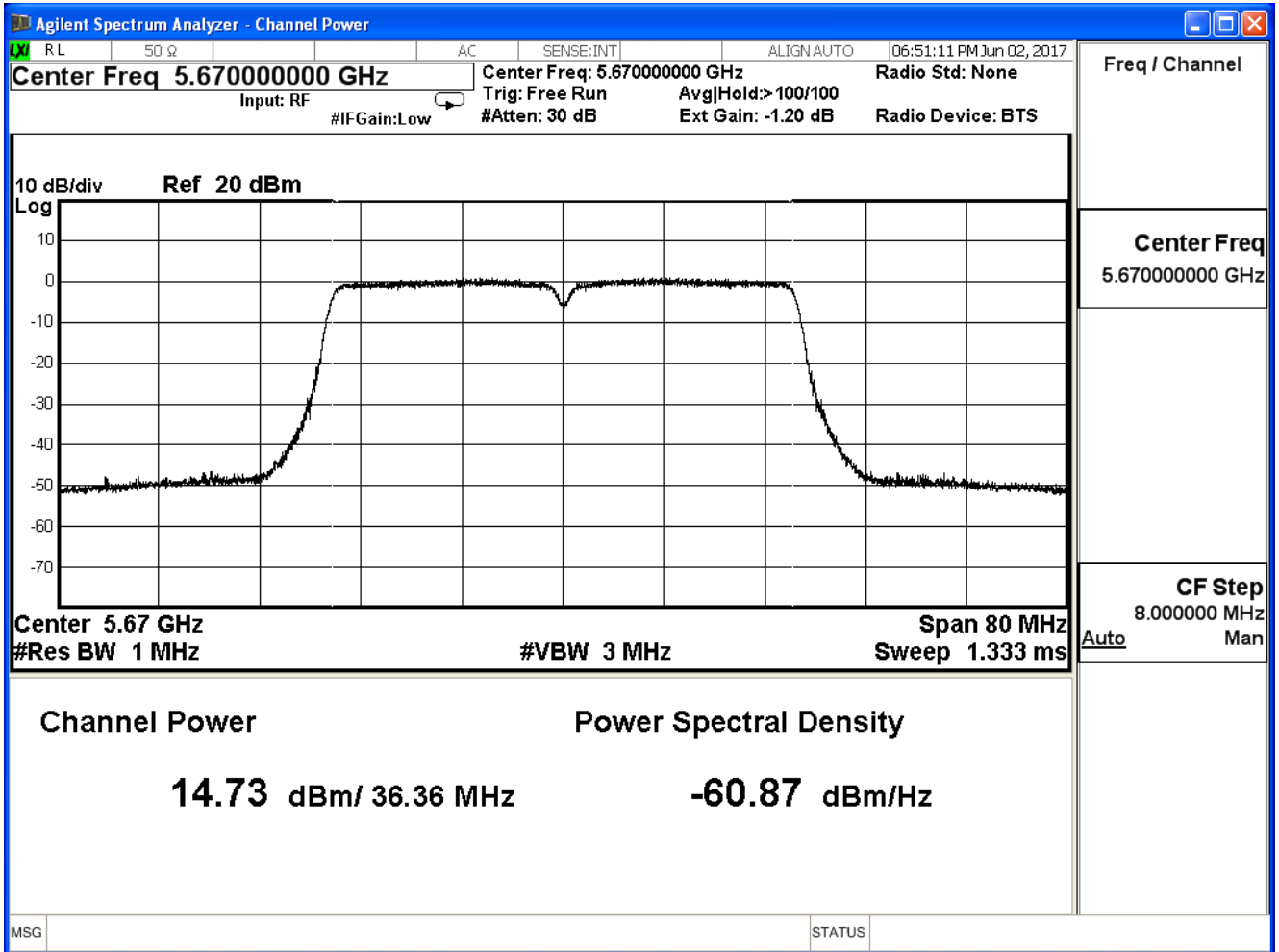
Channel 102 (5560MHz)



Channel 110 (5550MHz)



Channel 134 (5670MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 3: Tx_AD P: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/06/02	Test Site	SR10-H

IEEE 802.11n(40MHz)(ANT 3)

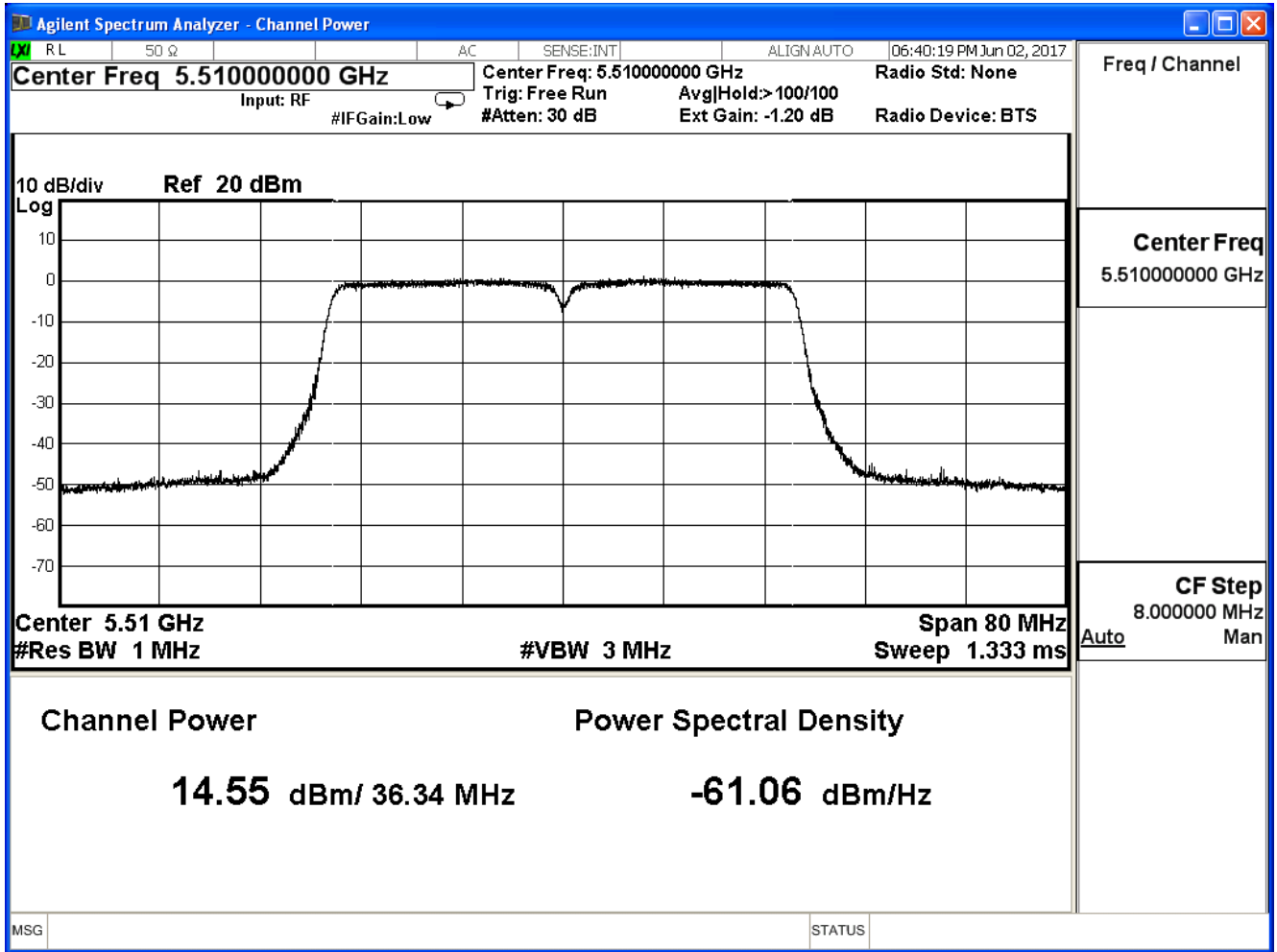
Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
102	5510	14.550	≤ 23.449
110	5550	18.080	≤ 23.449
134	5670	14.740	≤ 23.449

The worst emission of data rate is MCS 0

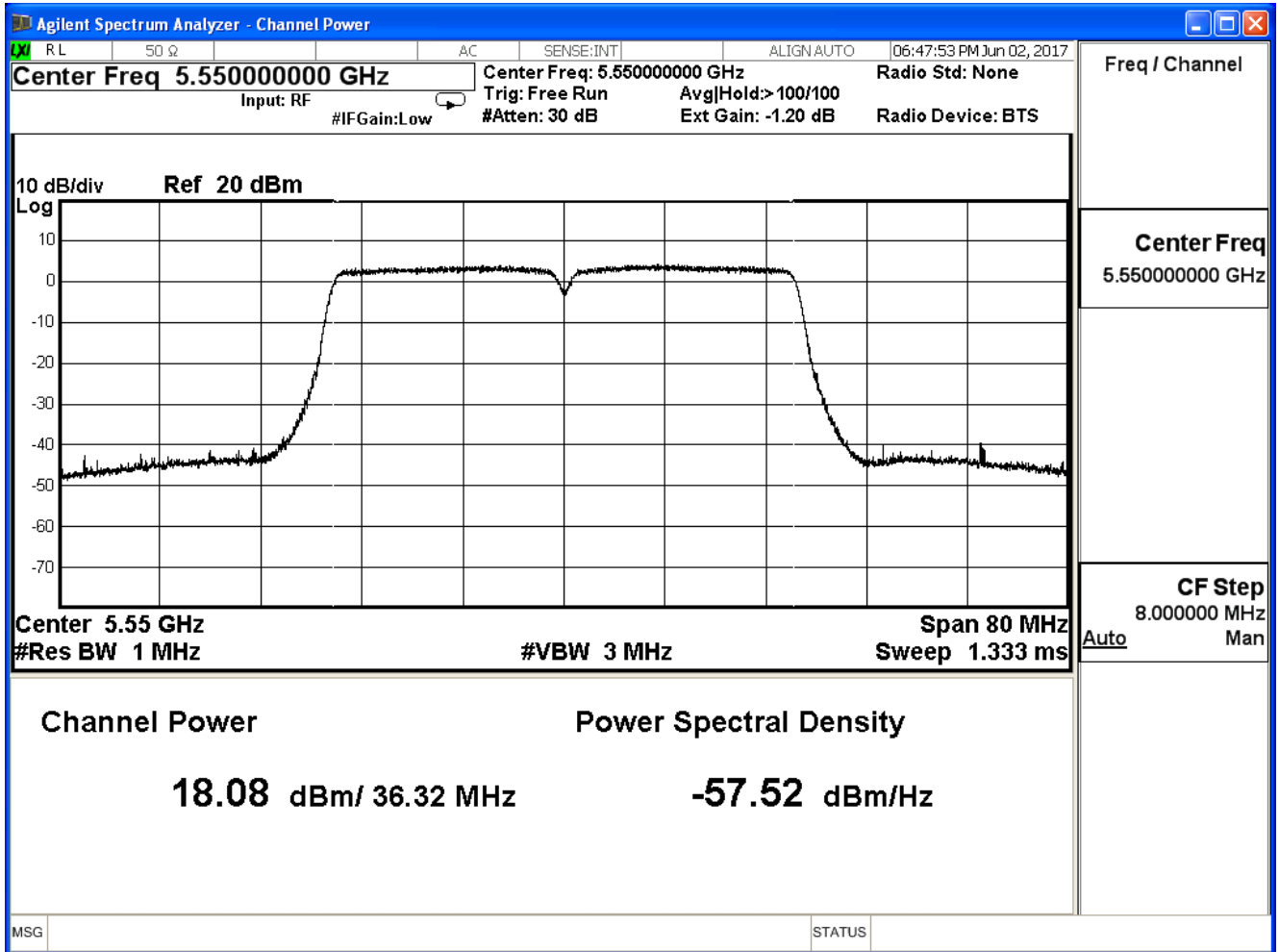
Directional gain= $10\log(\text{ANT N})+\text{Gain}=4.77+1.781=6.551$

Limit = $24\text{dBm}-(6.551\text{dBi}-6\text{dBi})=23.449\text{dBm}$

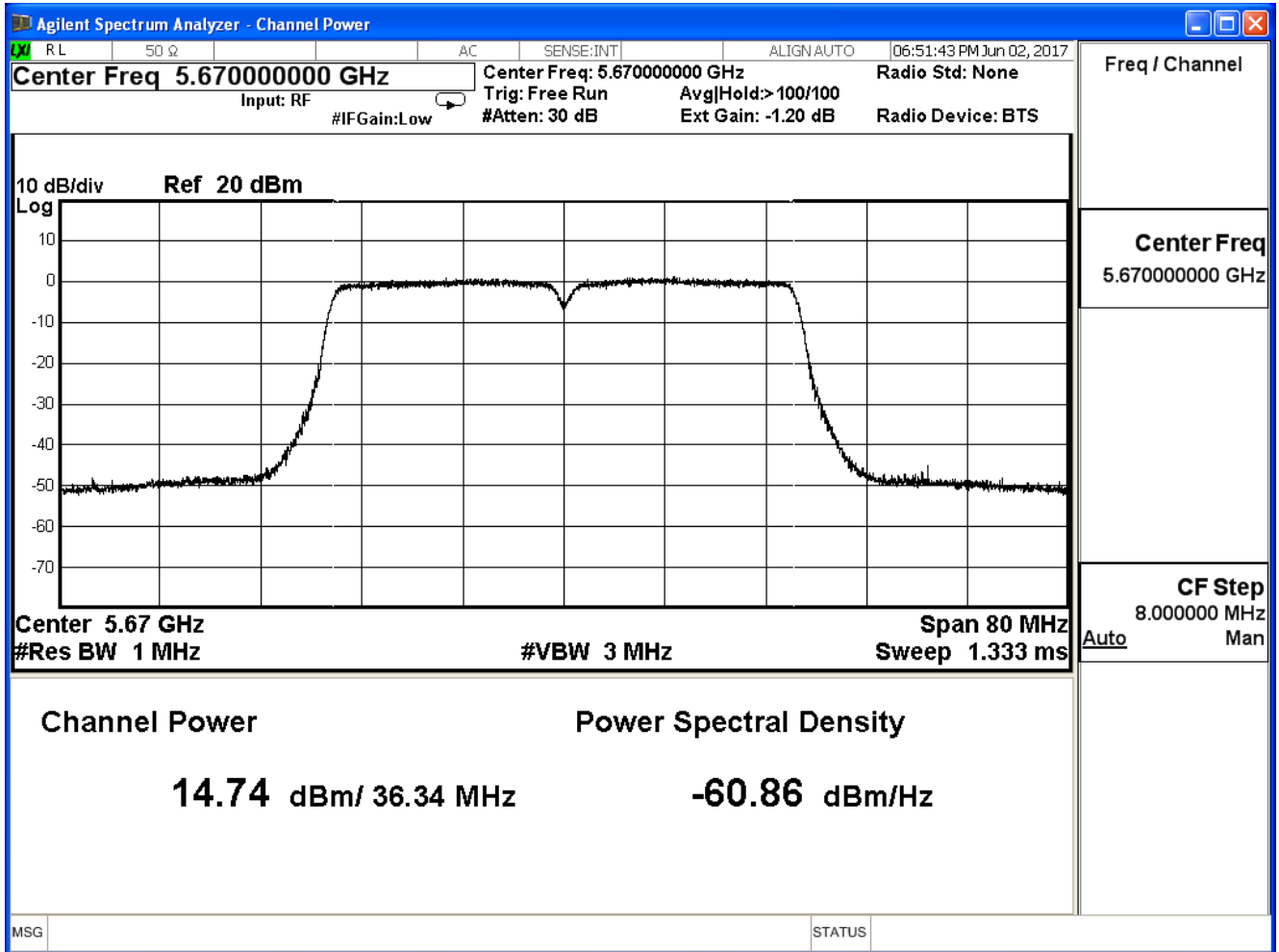
Channel 102 (5560MHz)



Channel 110 (5550MHz)



Channel 134 (5670MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 3: Tx_AD P: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/06/02	Test Site	SR10-H

IEEE 802.11n(40MHz)(ANT 0+1+2+3)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
102	5510	20.548	≤ 23.449
110	5550	24.021	≤ 23.449
134	5670	20.753	≤ 23.449

Directional gain=10log(ANT N)+Gain=4.77+1.781=6.551

Limit =24dBm-(6.551dBi-6dBi)=23.449dBm

Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 3: Tx_AD P: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/06/02	Test Site	SR10-H

IEEE 802.11ac(80MHz) (ANT 0)

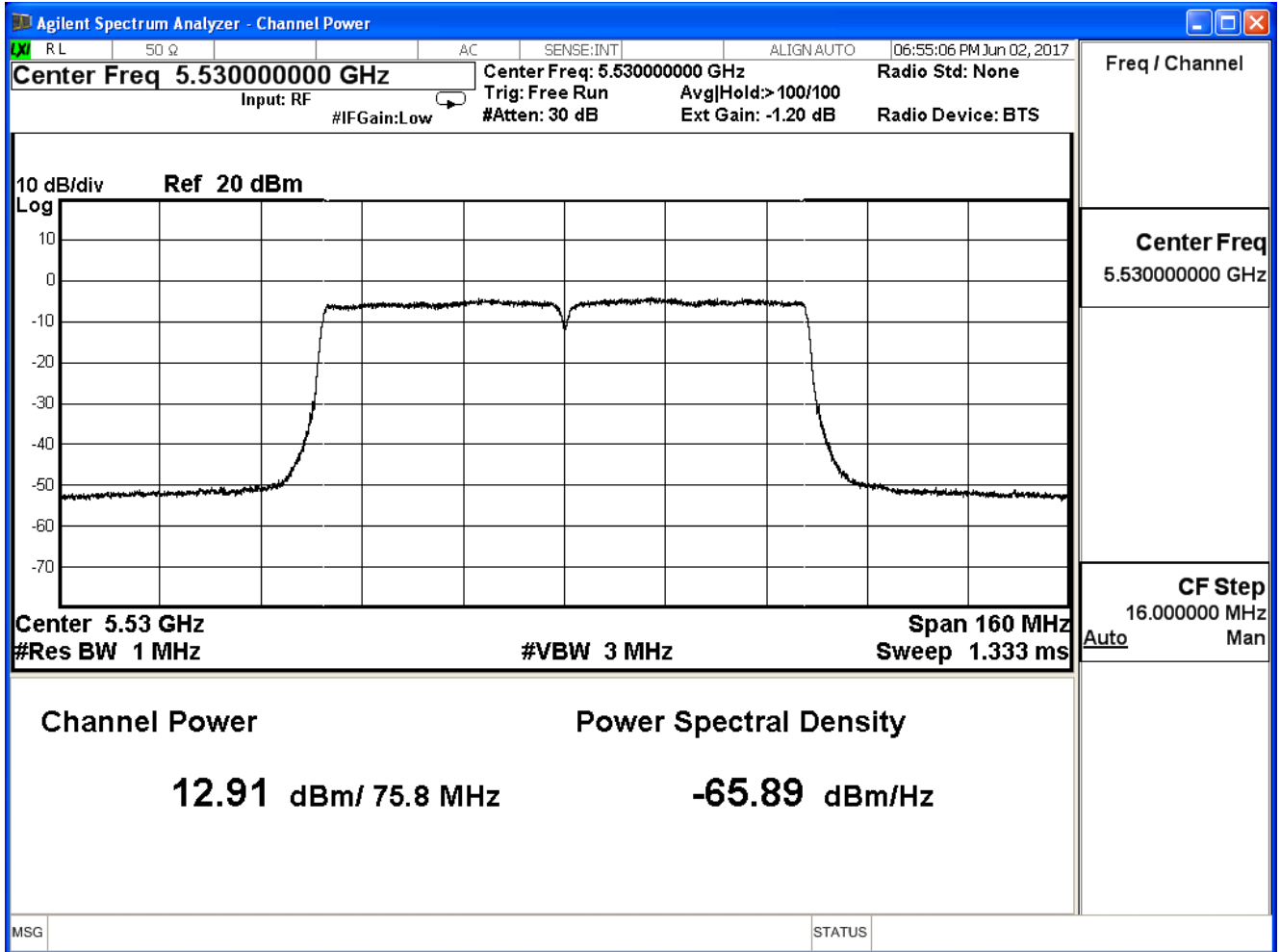
Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
106	5530	12.910	≤ 23.449
122	5610	17.300	≤ 23.449

The worst emission of data rate is MCS0

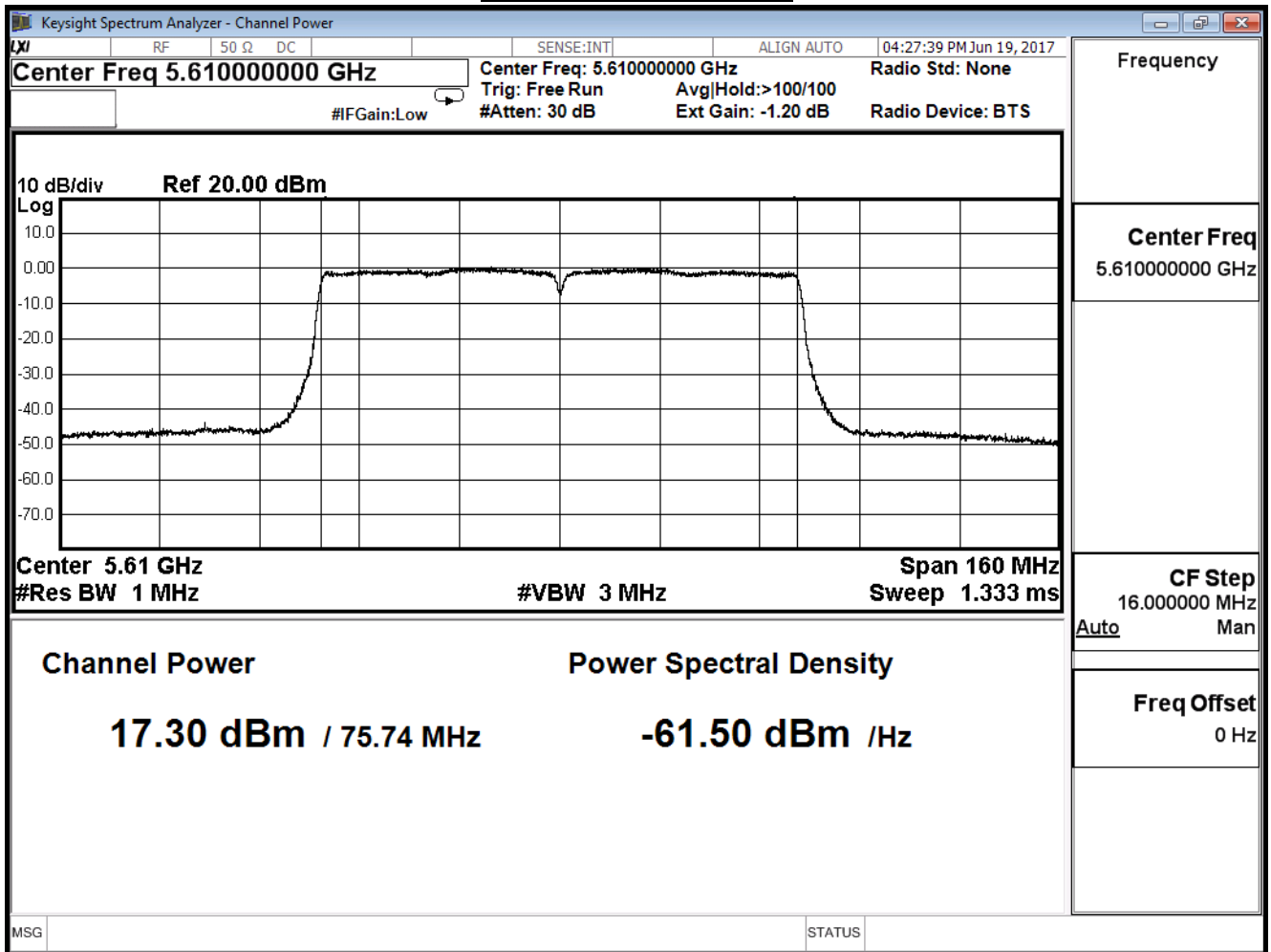
Directional gain= $10\log(\text{ANT N})+\text{Gain}=4.77+1.781=6.551$

Limit = $24\text{dBm}-(6.551\text{dBi}-6\text{dBi})=23.449\text{dBm}$

Channel 106 (5530MHz)



Channel 122 (5610MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 3: Tx_AD P: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/06/02	Test Site	SR10-H

IEEE 802.11ac(80MHz) (ANT 1)

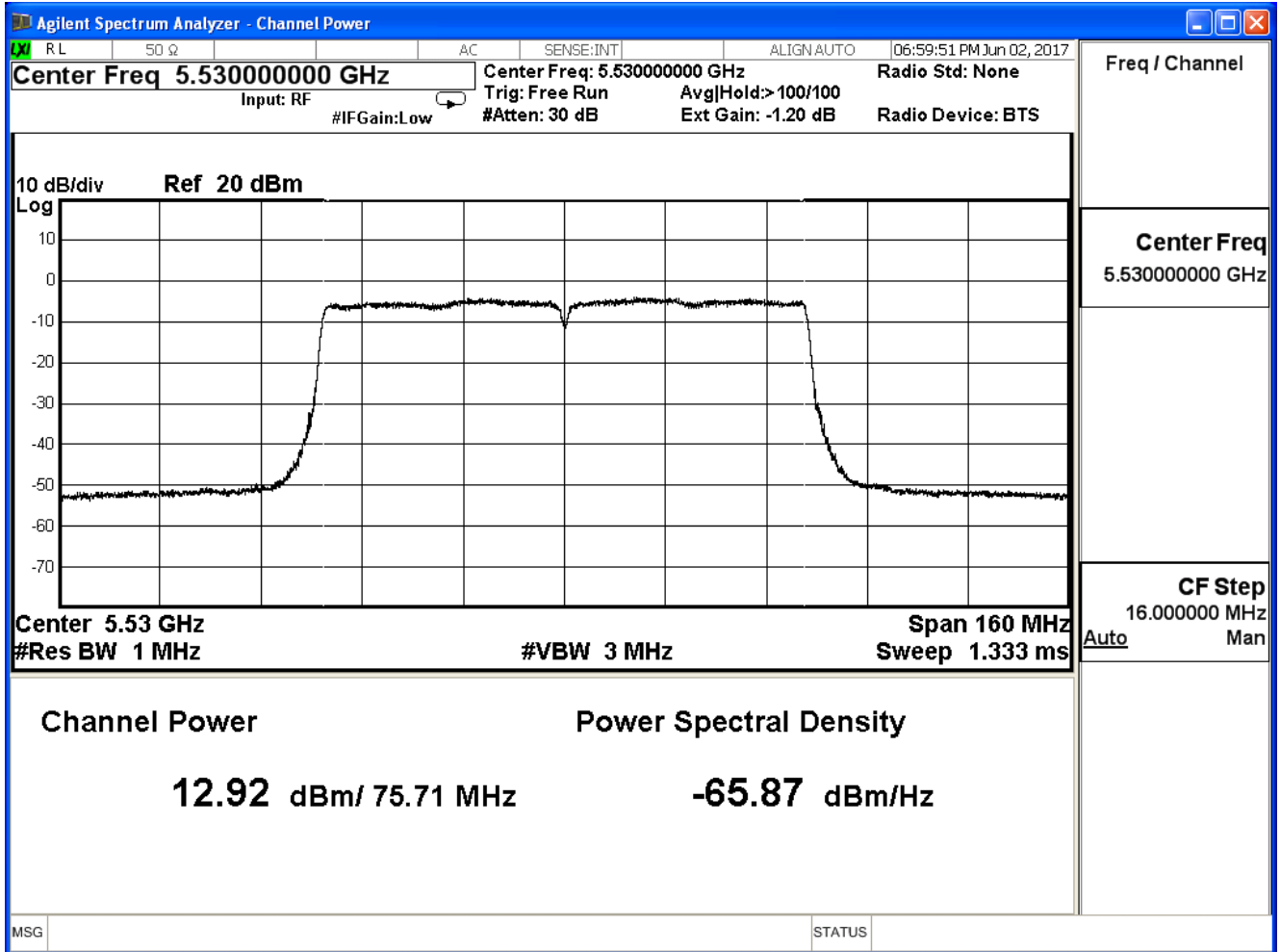
Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
106	5530	12.920	≤ 23.449
122	5610	17.350	≤ 23.449

The worst emission of data rate is MCS0

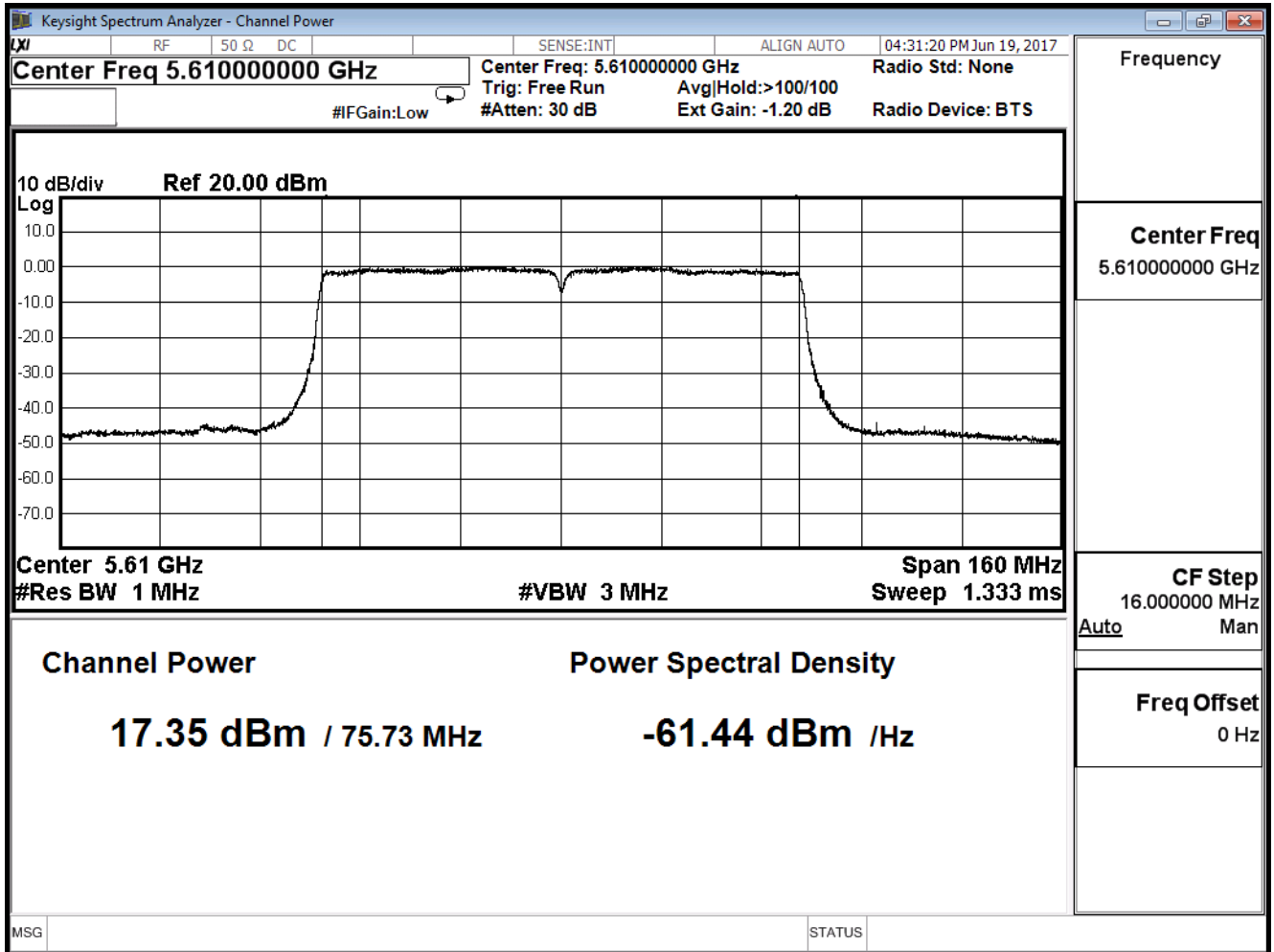
Directional gain= $10\log(\text{ANT N})+\text{Gain}=4.77+1.781=6.551$

Limit = $24\text{dBm}-(6.551\text{dBi}-6\text{dBi})=23.449\text{dBm}$

Channel 106 (5530MHz)



Channel 122 (5610MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 3: Tx_AD P: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/06/02	Test Site	SR10-H

IEEE 802.11ac(80MHz) (ANT 2)

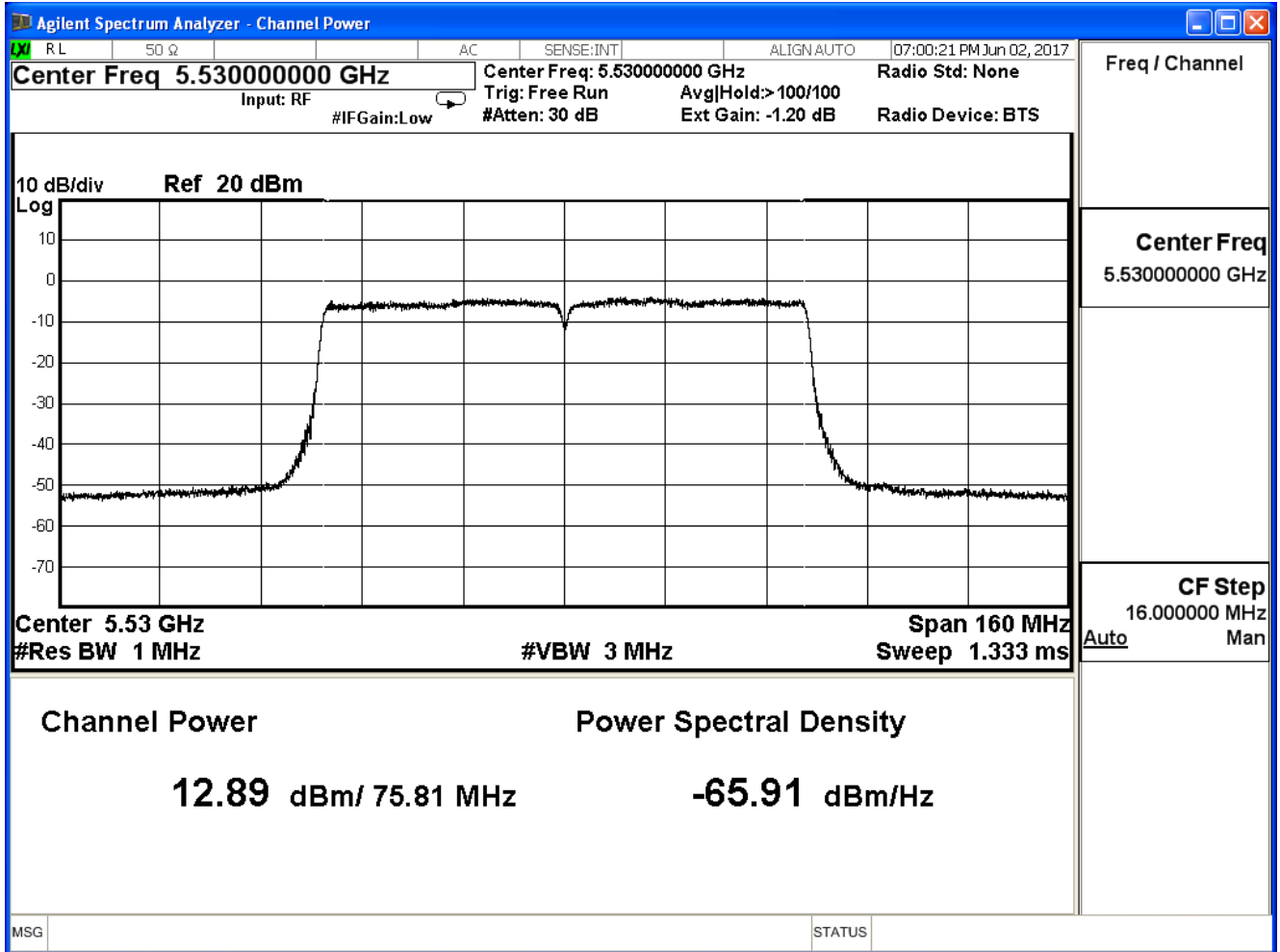
Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
106	5530	12.890	≤ 23.449
122	5610	17.390	≤ 23.449

The worst emission of data rate is MCS0

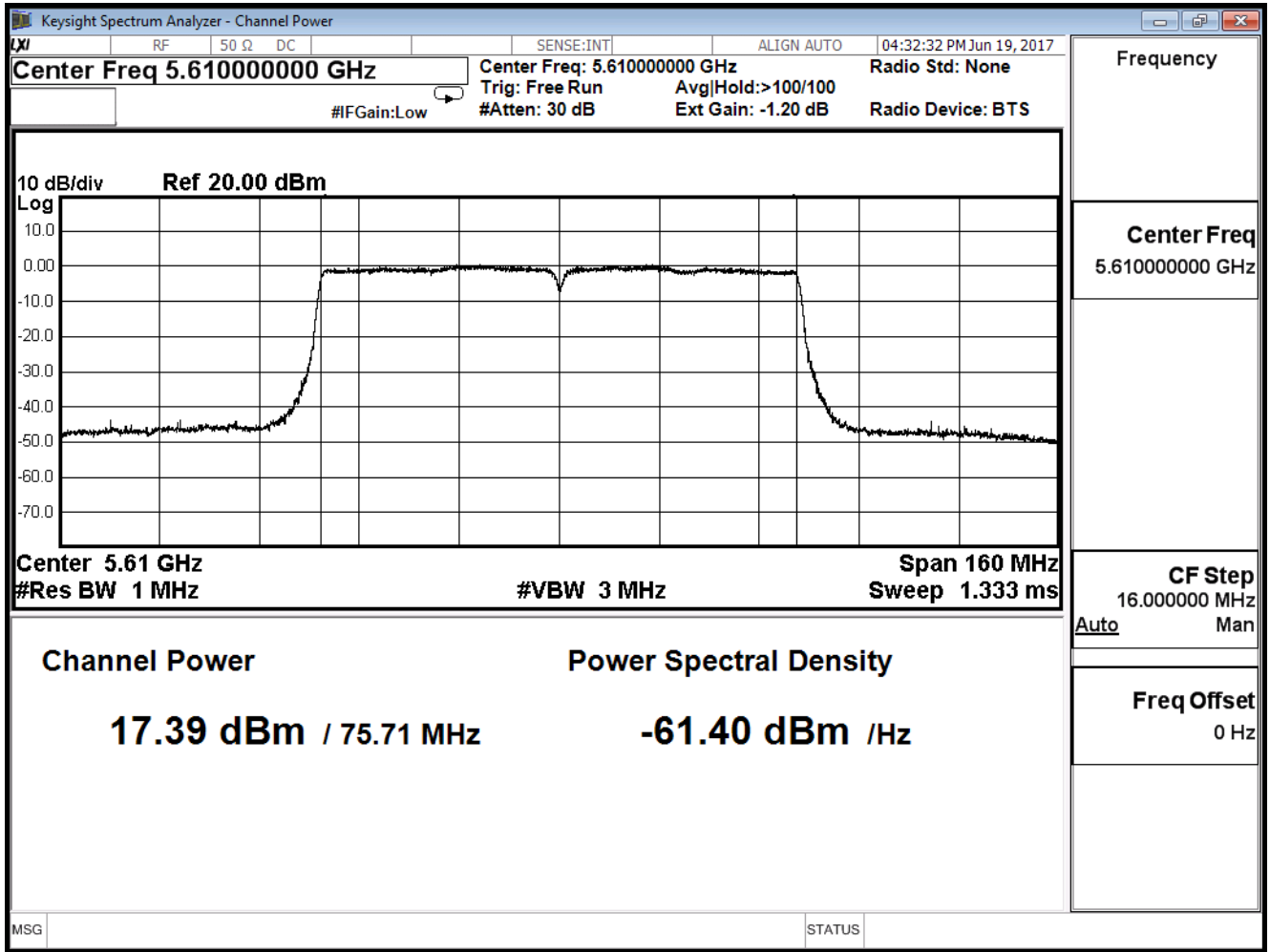
Directional gain= $10\log(\text{ANT N})+\text{Gain}=4.77+1.781=6.551$

Limit = $24\text{dBm}-(6.551\text{dBi}-6\text{dBi})=23.449\text{dBm}$

Channel 106 (5530MHz)



Channel 122 (5610MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 3: Tx_AD P: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/06/02	Test Site	SR10-H

IEEE 802.11ac(80MHz) (ANT 3)

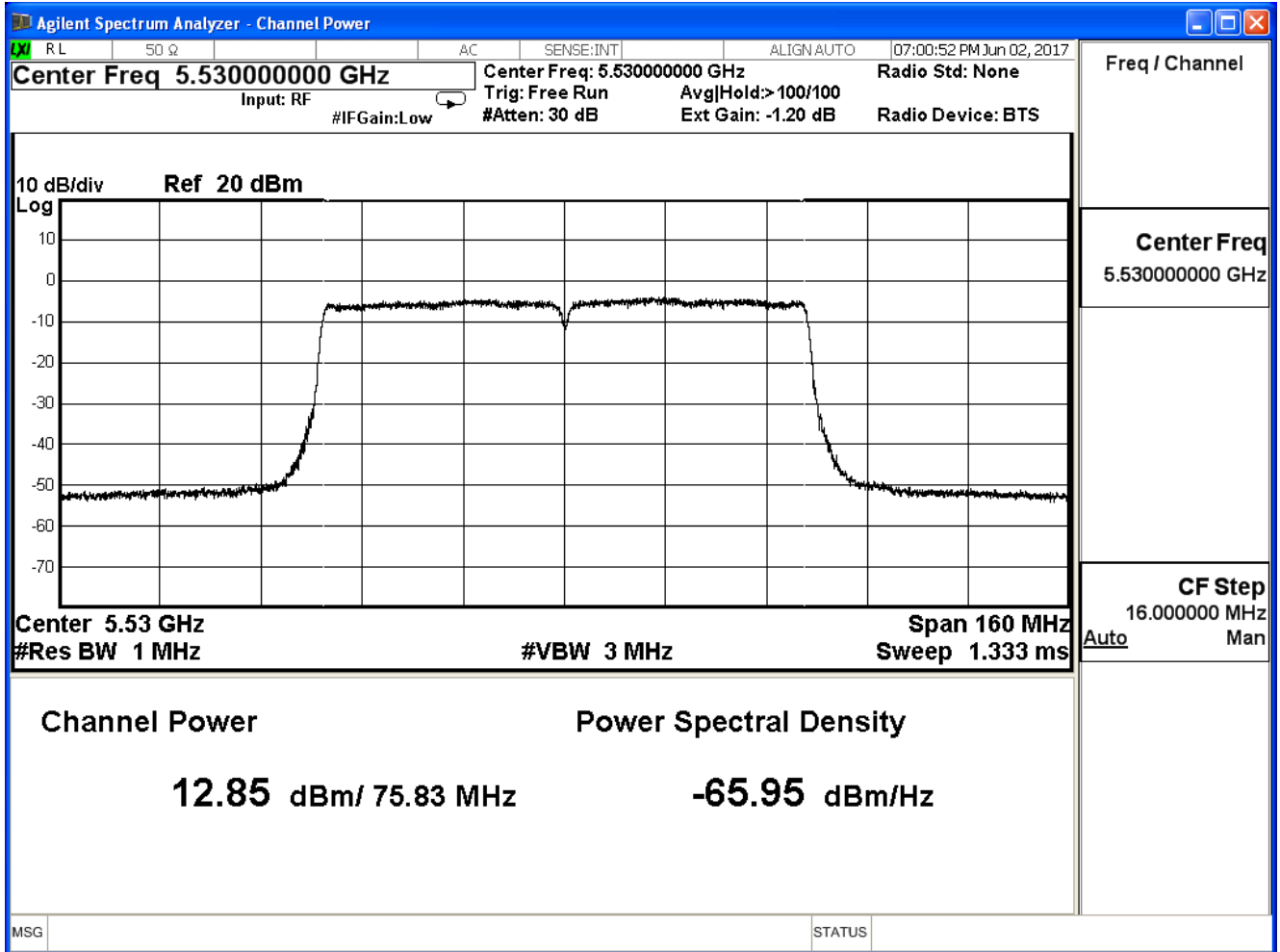
Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
106	5530	12.850	≤ 23.449
122	5610	17.290	≤ 23.449

The worst emission of data rate is MCS0

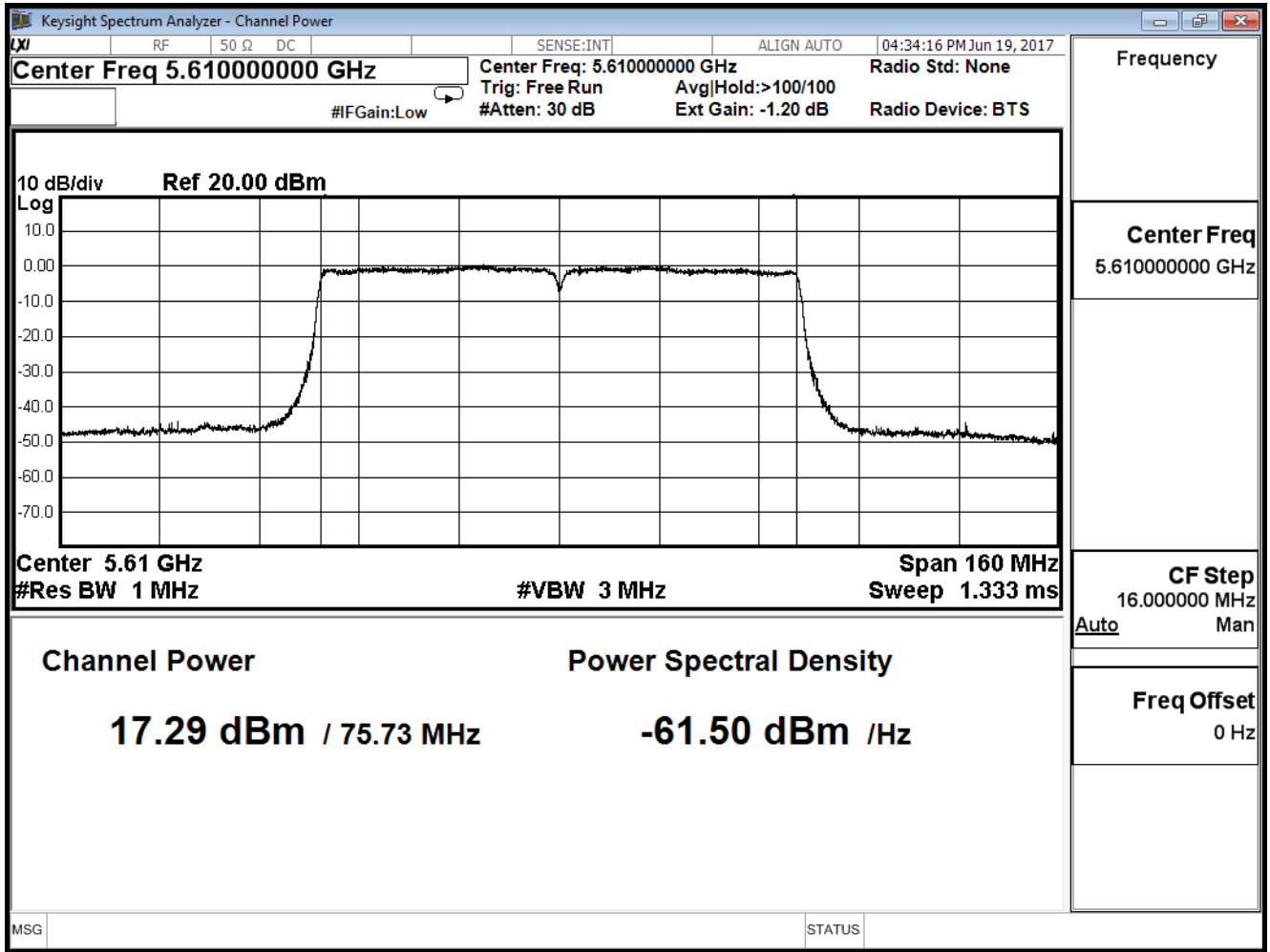
Directional gain= $10\log(\text{ANT N})+\text{Gain}=4.77+1.781=6.551$

Limit = $24\text{dBm}-(6.551\text{dBi}-6\text{dBi})=23.449\text{dBm}$

Channel 106 (5530MHz)



Channel 122 (5610MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 3: Tx_AD P: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/06/02	Test Site	SR10-H

IEEE 802.11ac(80MHz)(ANT 0+1+2+3)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
106	5530	18.913	≤ 23.449
122	5610	23.353	≤ 23.449

Directional gain=10log(ANT N)+Gain=4.77+1.781=6.551

Limit =24dBm-(6.551dBi-6dBi)=23.449dBm

Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: Tx_ADP: AD890326010-2LF_ CDD Mode (802.11 a)		
Date of Test	2017/03/01	Test Site	SR10-H

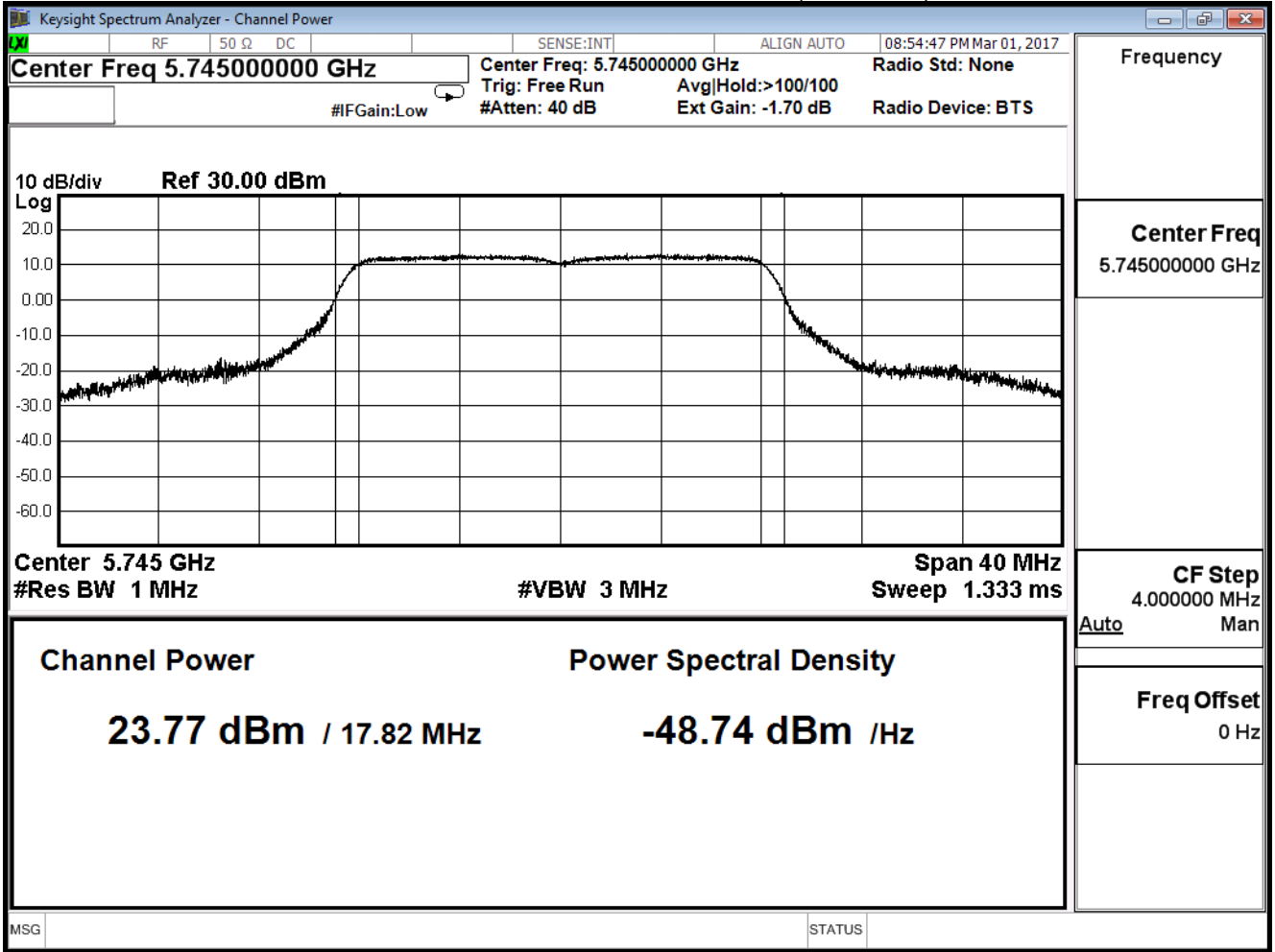
IEEE 802.11a (ANT 0)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
149	5745	23.770	≤30
157	5785	23.910	≤30
165	5825	23.970	≤30

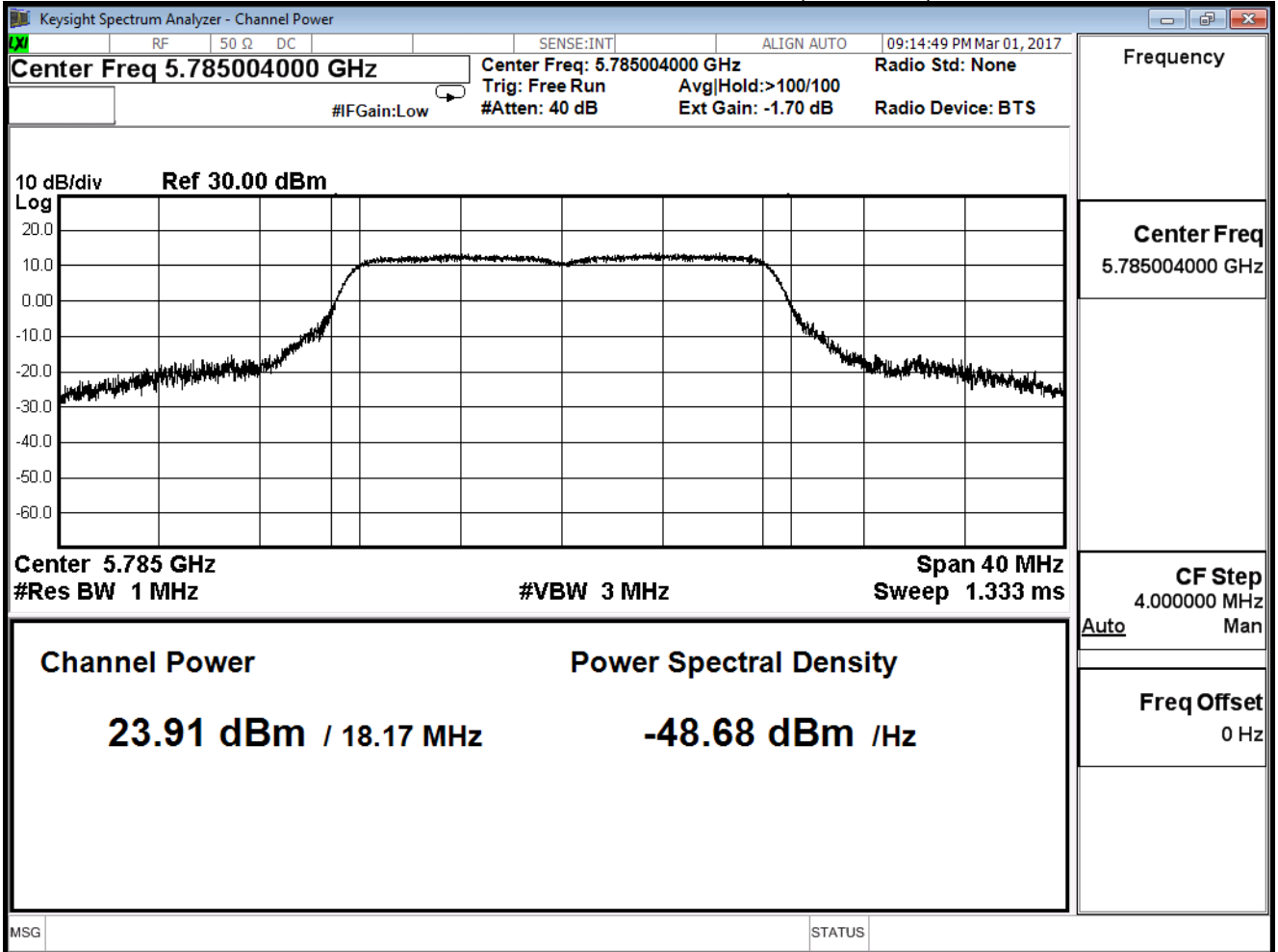
The worst emission of data rate is 6 Mbps.

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
149	5745	23.770	--	--	--	--	--	--	≤30dBm
157	5785	23.910	23.880	23.800	23.7630	23.720	23.680	23.620	
165	5825	23.970	--	--	--	--	--	--	

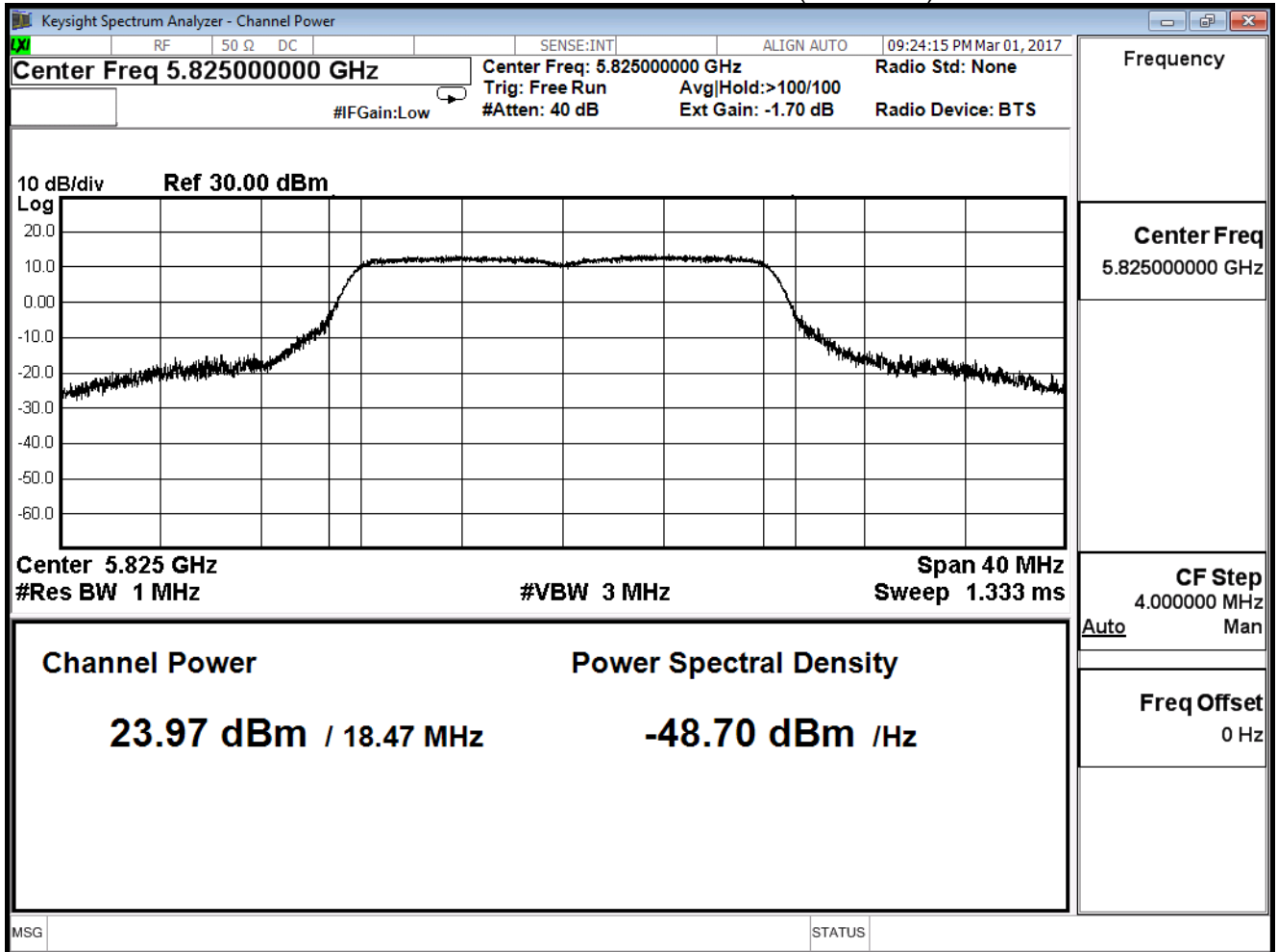
Peak transmit Power - Channel 149 (5745MHz)



Peak transmit Power - Channel 157 (5785MHz)



Peak transmit Power - Channel 165 (5825MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: Tx_ADP: AD890326010-2LF_ CDD Mode (802.11 a)		
Date of Test	2017/03/01	Test Site	SR10-H

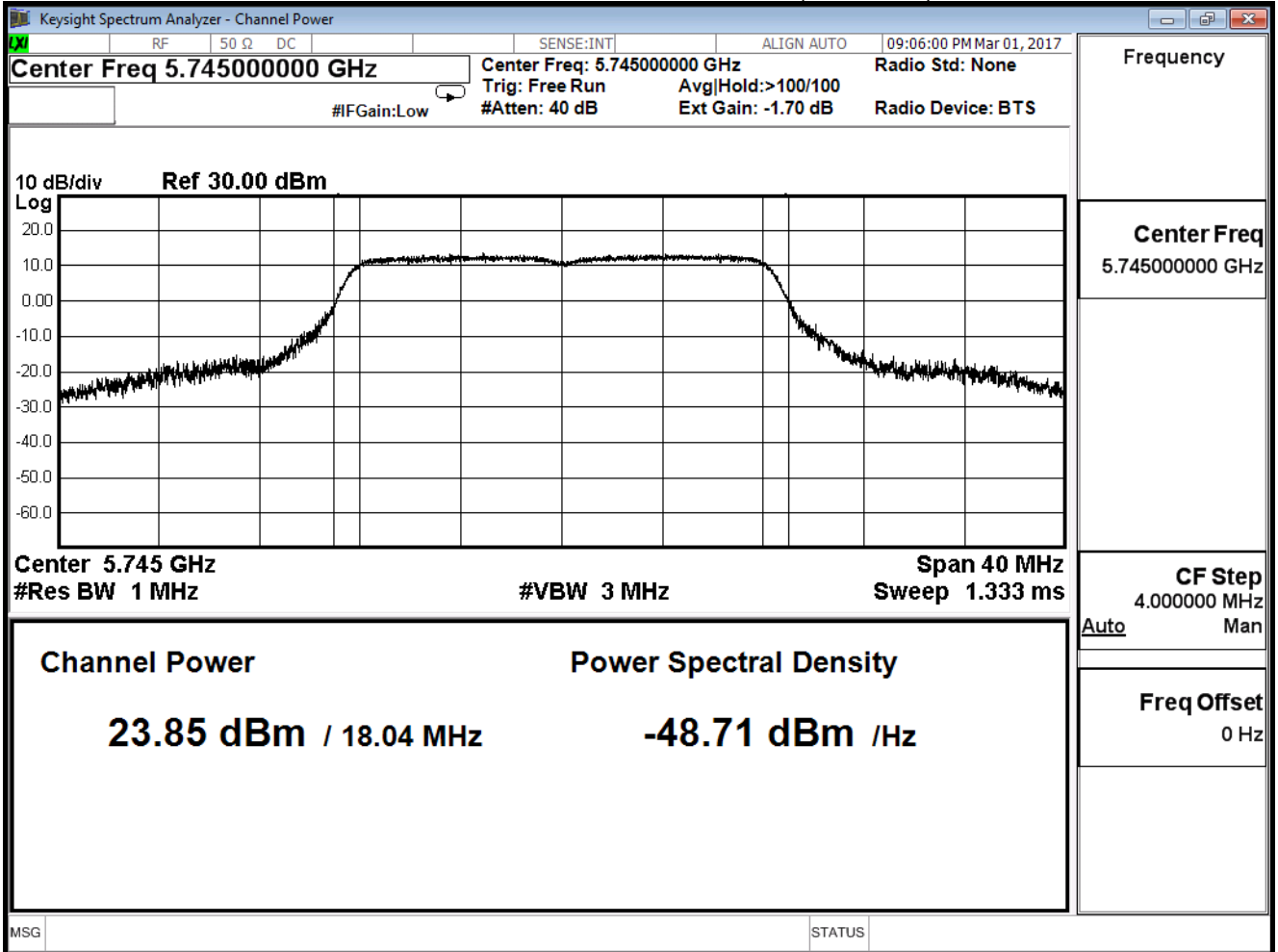
IEEE 802.11a (ANT 1)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
149	5745	23.850	≤30
157	5785	23.880	≤30
165	5825	23.980	≤30

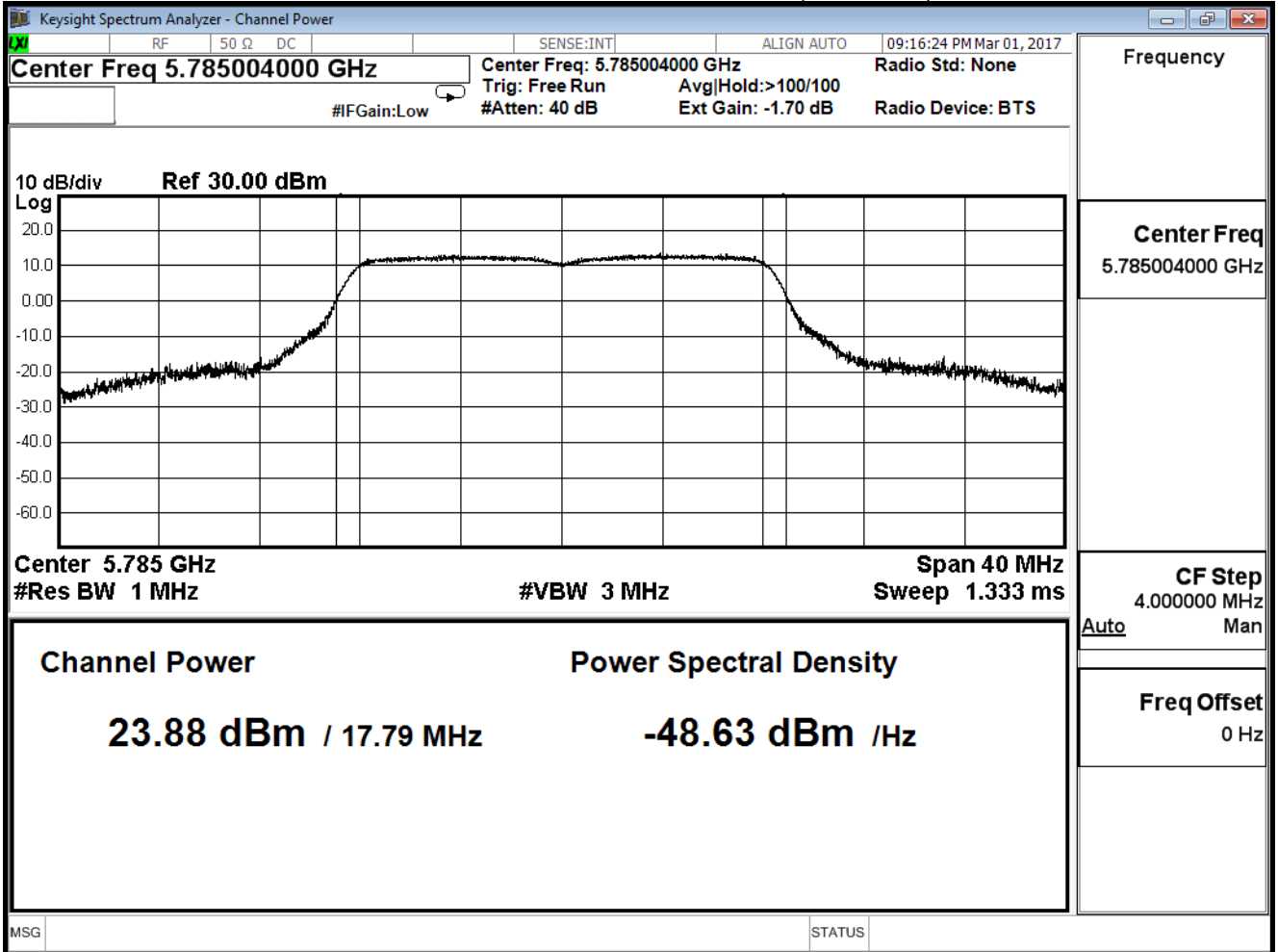
The worst emission of data rate is 6 Mbps.

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
149	5745	23.850	--	--	--	--	--	--	≤30dBm
157	5785	23.880	23.820	23.800	22.770	22.720	22.680	22.550	
165	5825	23.980	--	--	--	--	--	--	

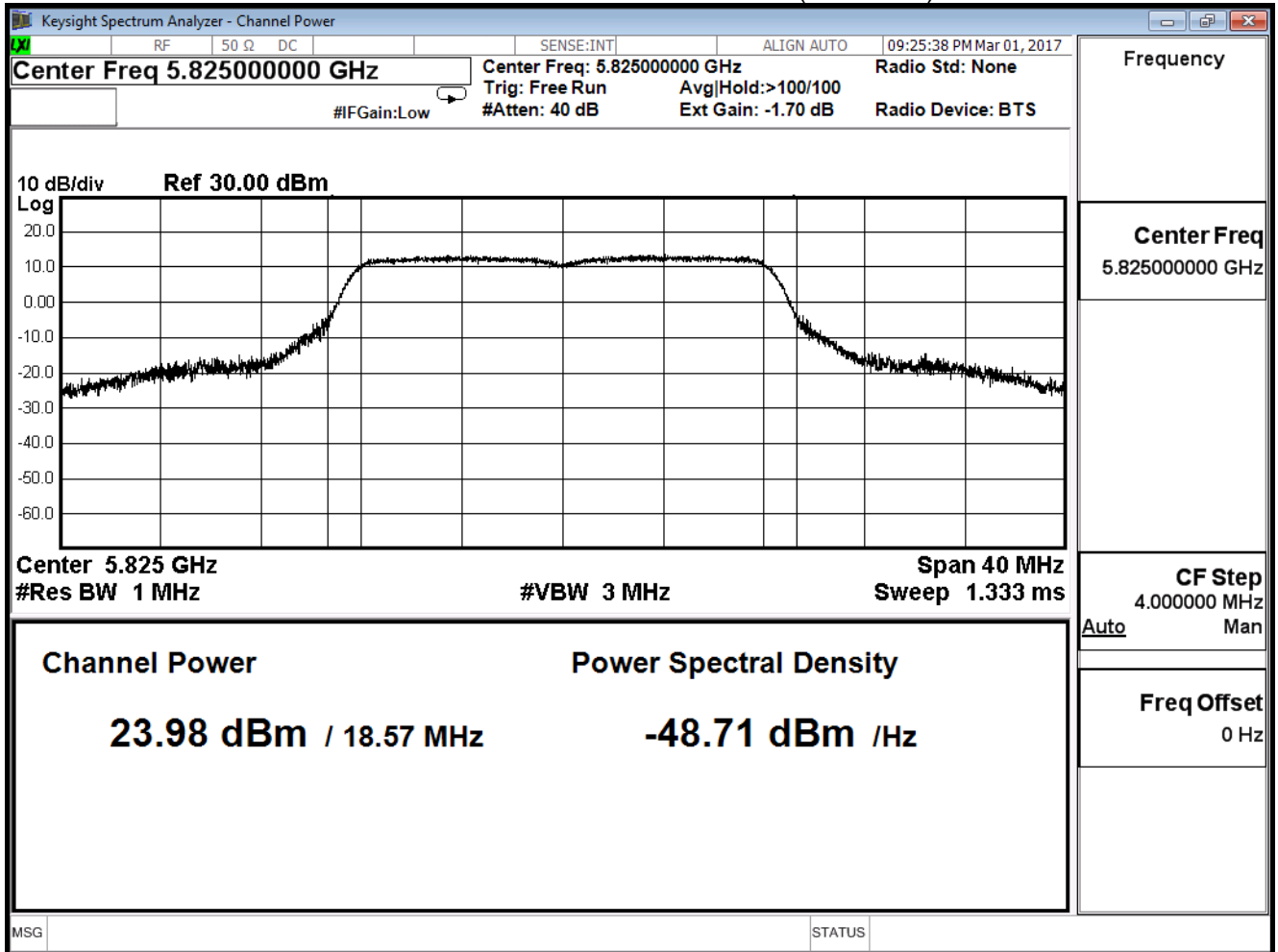
Peak transmit Power - Channel 149 (5745MHz)



Peak transmit Power - Channel 157 (5785MHz)



Peak transmit Power - Channel 165 (5825MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: Tx_AD P: AD890326010-2LF_ CDD Mode (802.11 a)		
Date of Test	2017/03/01	Test Site	SR10-H

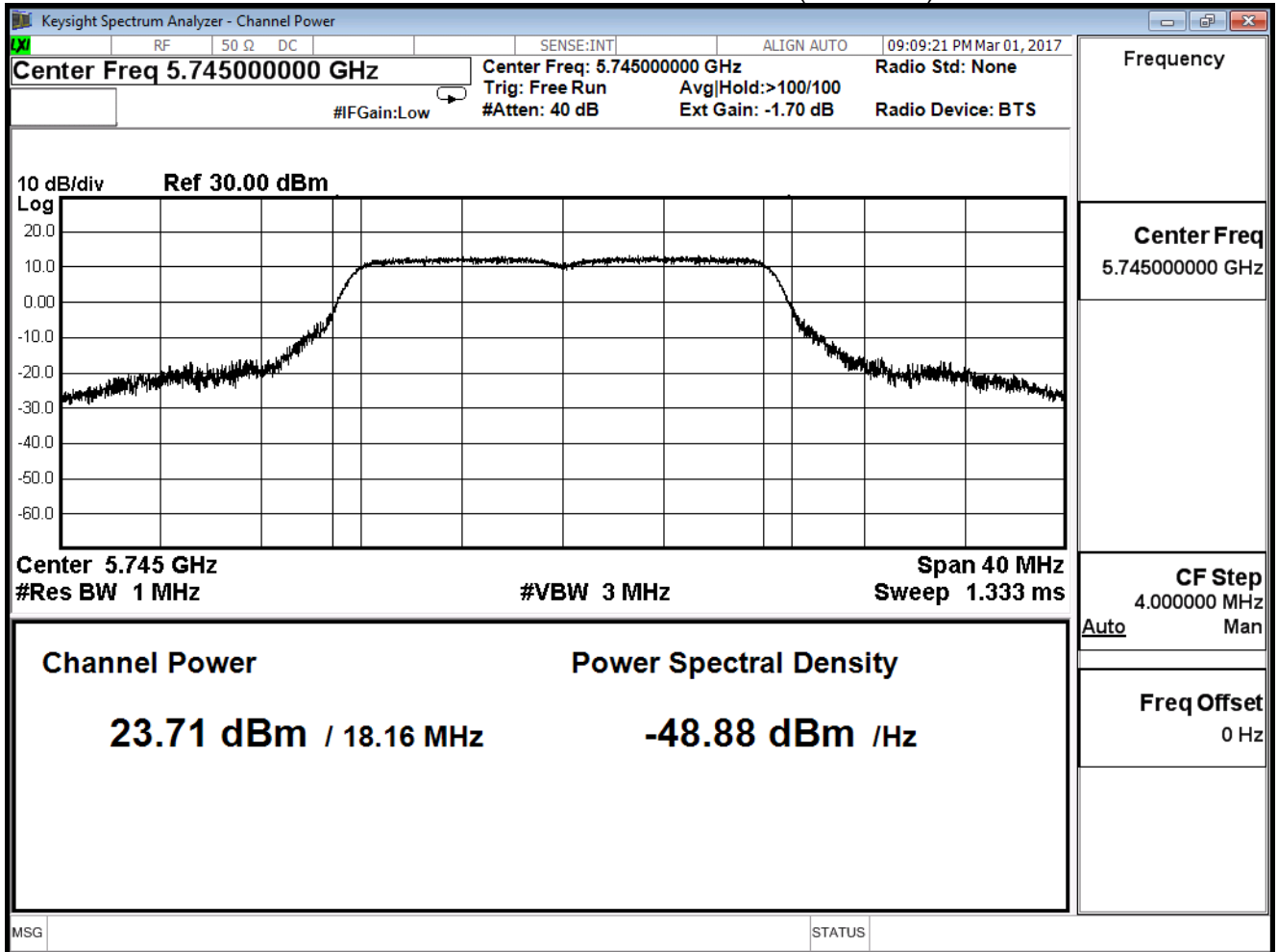
IEEE 802.11a (ANT2)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
149	5745	23.710	≤30
157	5785	23.860	≤30
165	5825	23.910	≤30

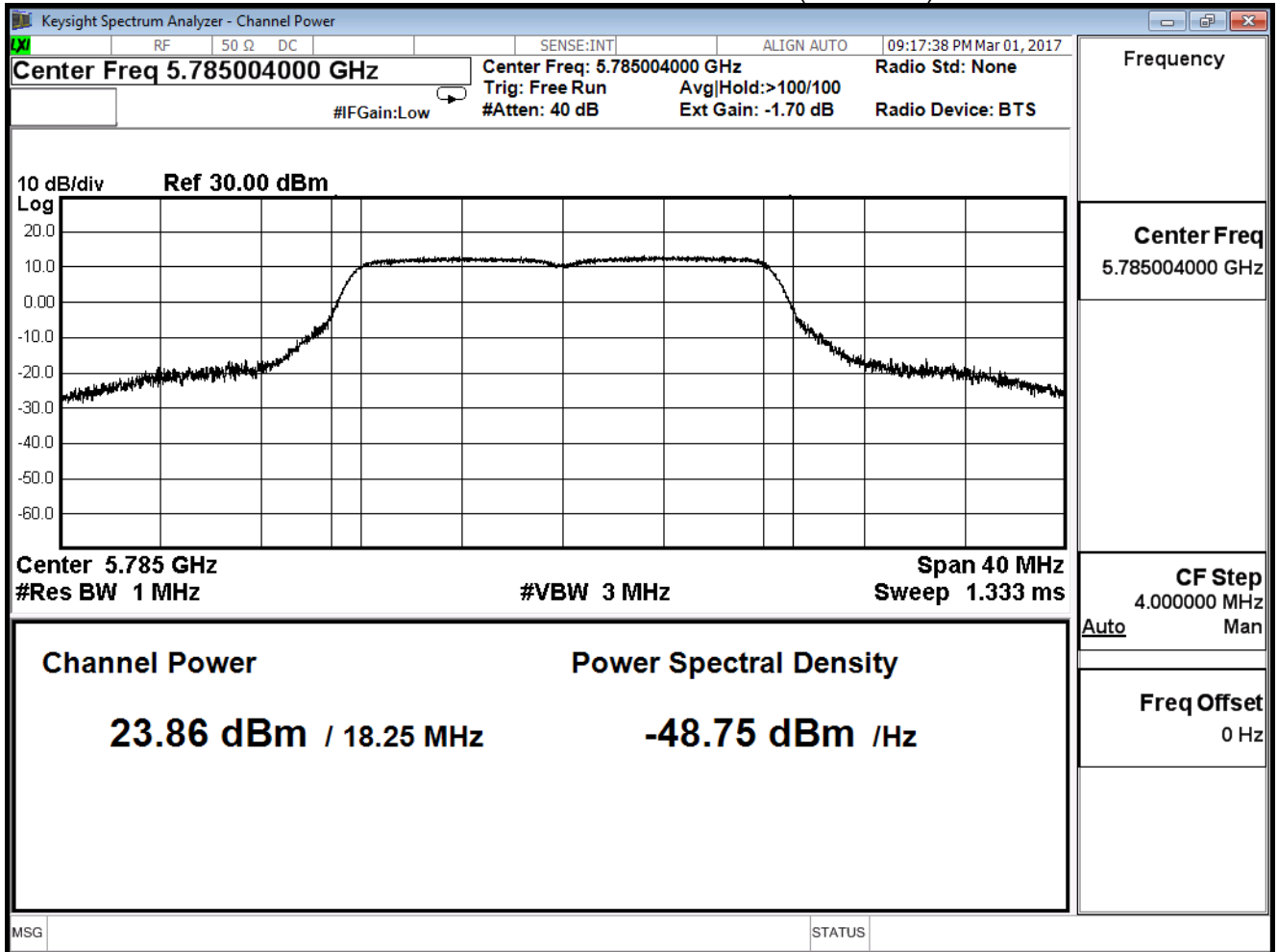
The worst emission of data rate is 6 Mbps.

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
149	5745	23.710	--	--	--	--	--	--	≤30dBm
157	5785	23.860	23.820	23.780	23.720	23.680	23.620	23.550	
165	5825	23.910	--	--	--	--	--	--	

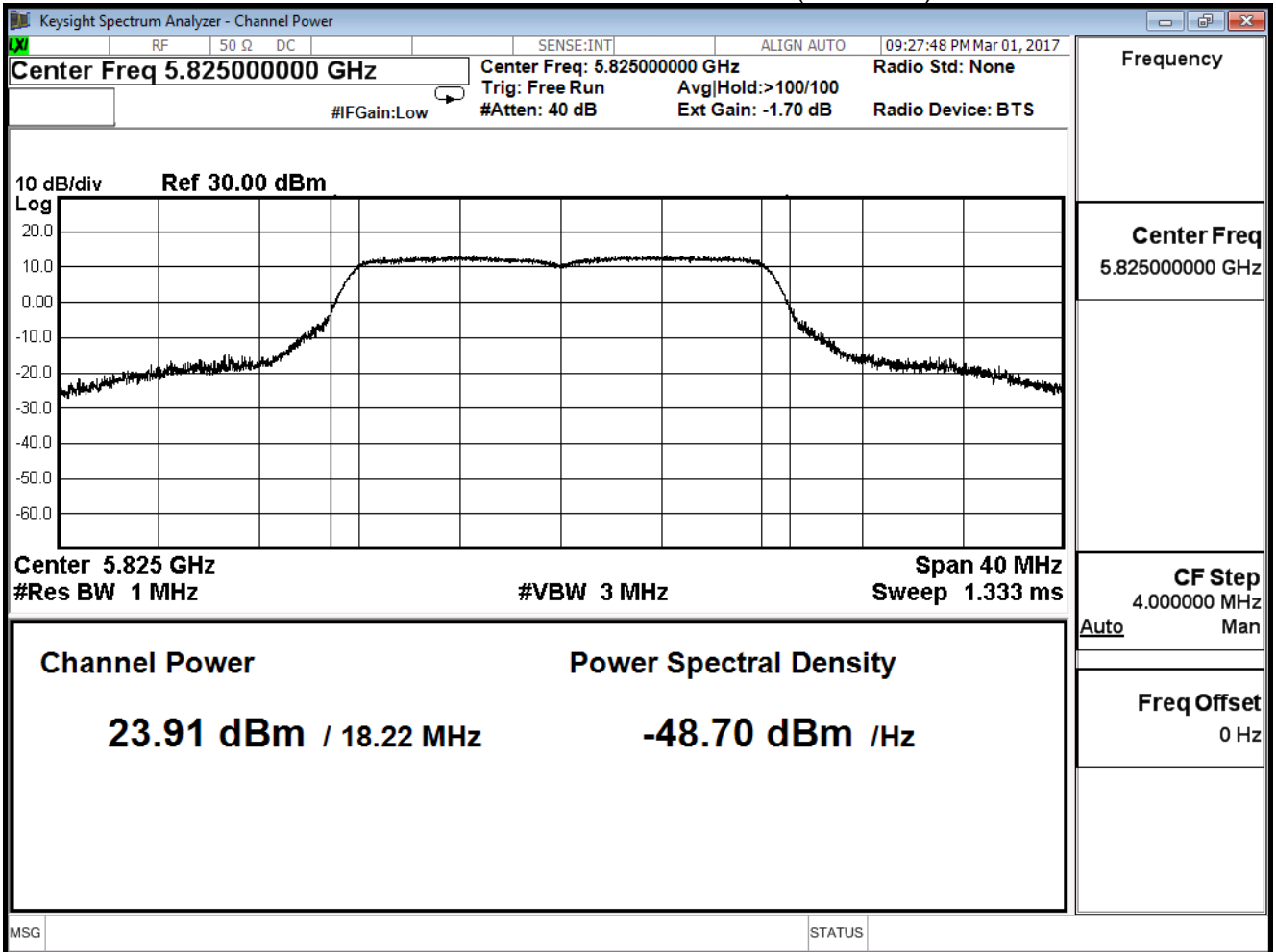
Peak transmit Power - Channel 149 (5745MHz)



Peak transmit Power - Channel 157 (5785MHz)



Peak transmit Power - Channel 165 (5825MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: Tx_ADP: AD890326010-2LF_ CDD Mode (802.11 a)		
Date of Test	2017/03/01	Test Site	SR10-H

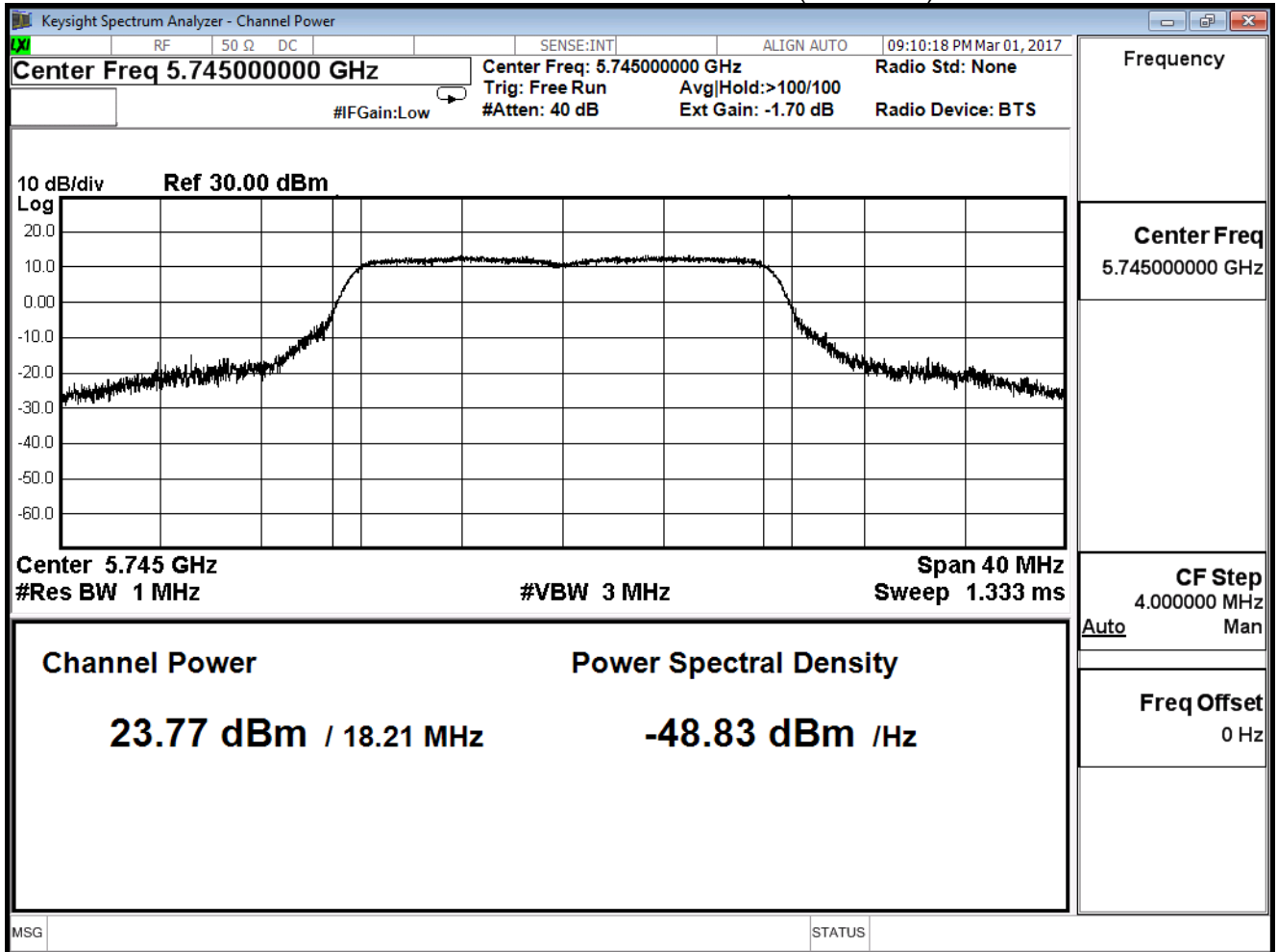
IEEE 802.11a (ANT3)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
149	5745	23.770	≤30
157	5785	23.810	≤30
165	5825	23.970	≤30

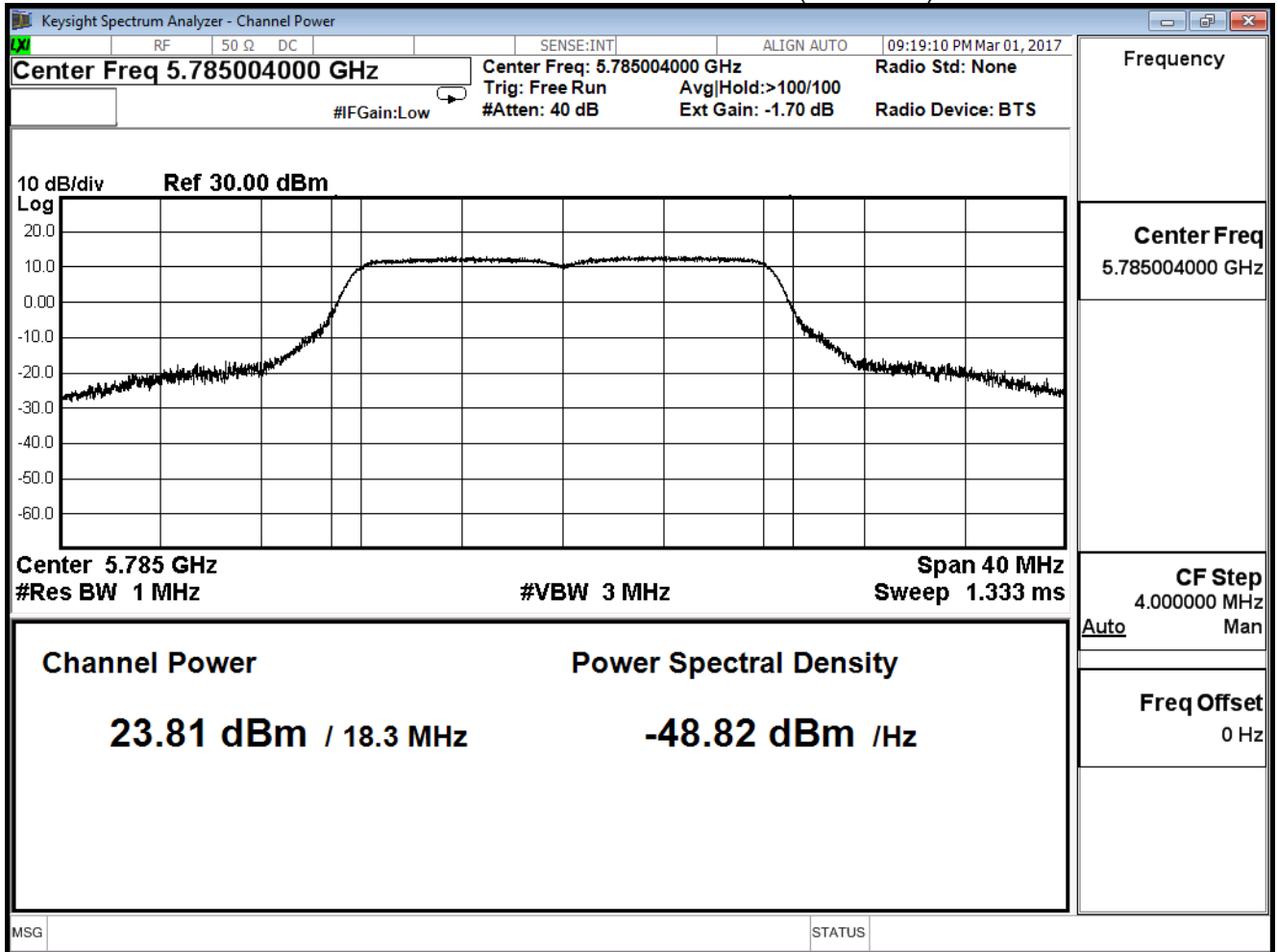
The worst emission of data rate is 6 Mbps.

Peak Power Output (dBm)									
Channel No	Frequency (MHz)	Data Rate							Required Limit
		6	12	18	24	36	48	54	
149	5745	23.770	--	--	--	--	--	--	≤30dBm
157	5785	23.810	23.770	23.750	23.700	23.660	23.600	23.540	
165	5825	23.970	--	--	--	--	--	--	

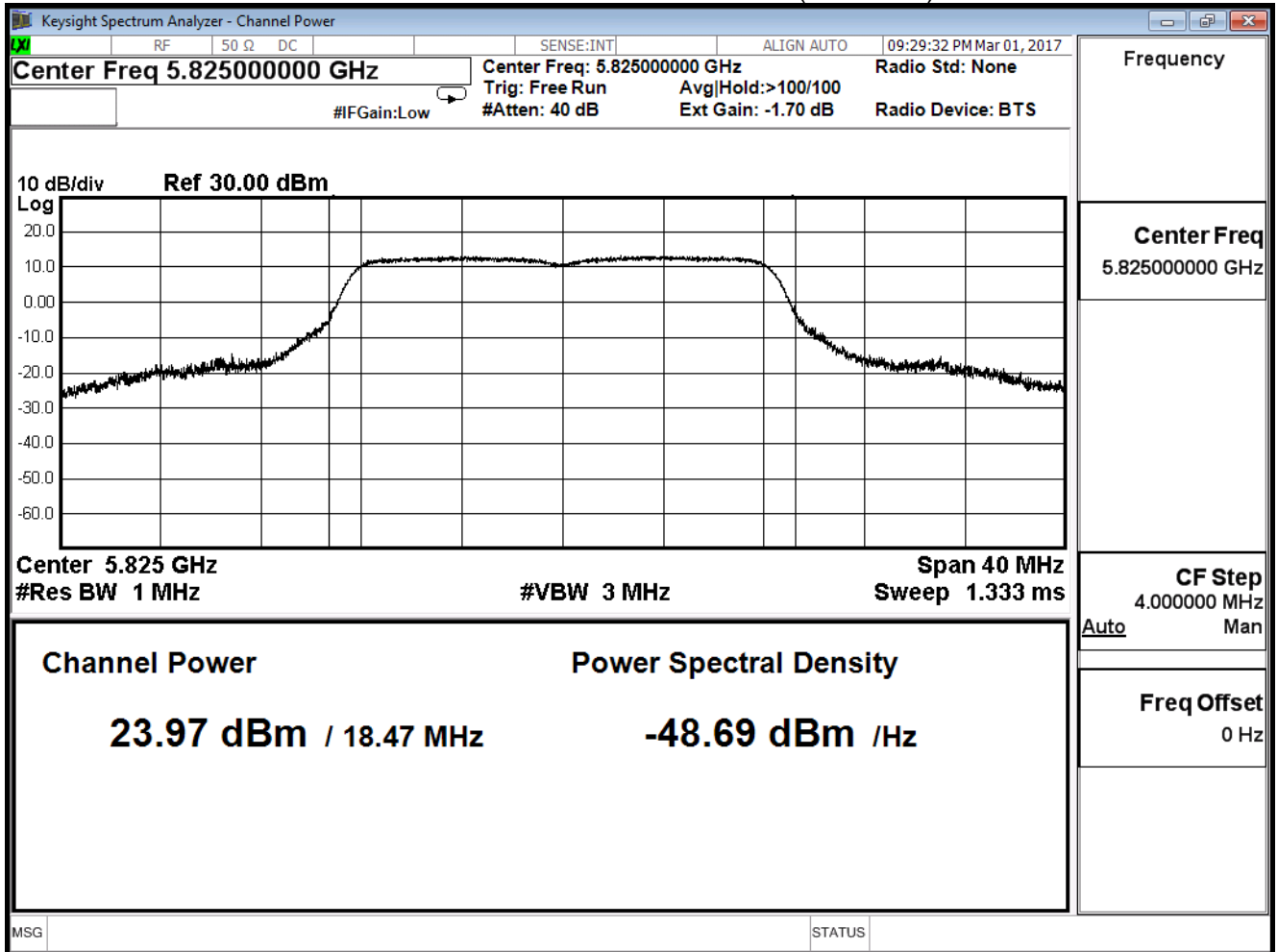
Peak transmit Power - Channel 149 (5745MHz)



Peak transmit Power - Channel 157 (5785MHz)



Peak transmit Power - Channel 165 (5825MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 1: Tx_AD P: AD890326010-2LF_ CDD Mode (802.11 a)		
Date of Test	2017/03/01	Test Site	SR10-H

IEEE 802.11a (ANT +1+2+3)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
149	5745	29.796	≤30
157	5785	29.886	≤30
165	5825	29.978	≤30

Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: Tx_AD P: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/03/01	Test Site	SR10-H

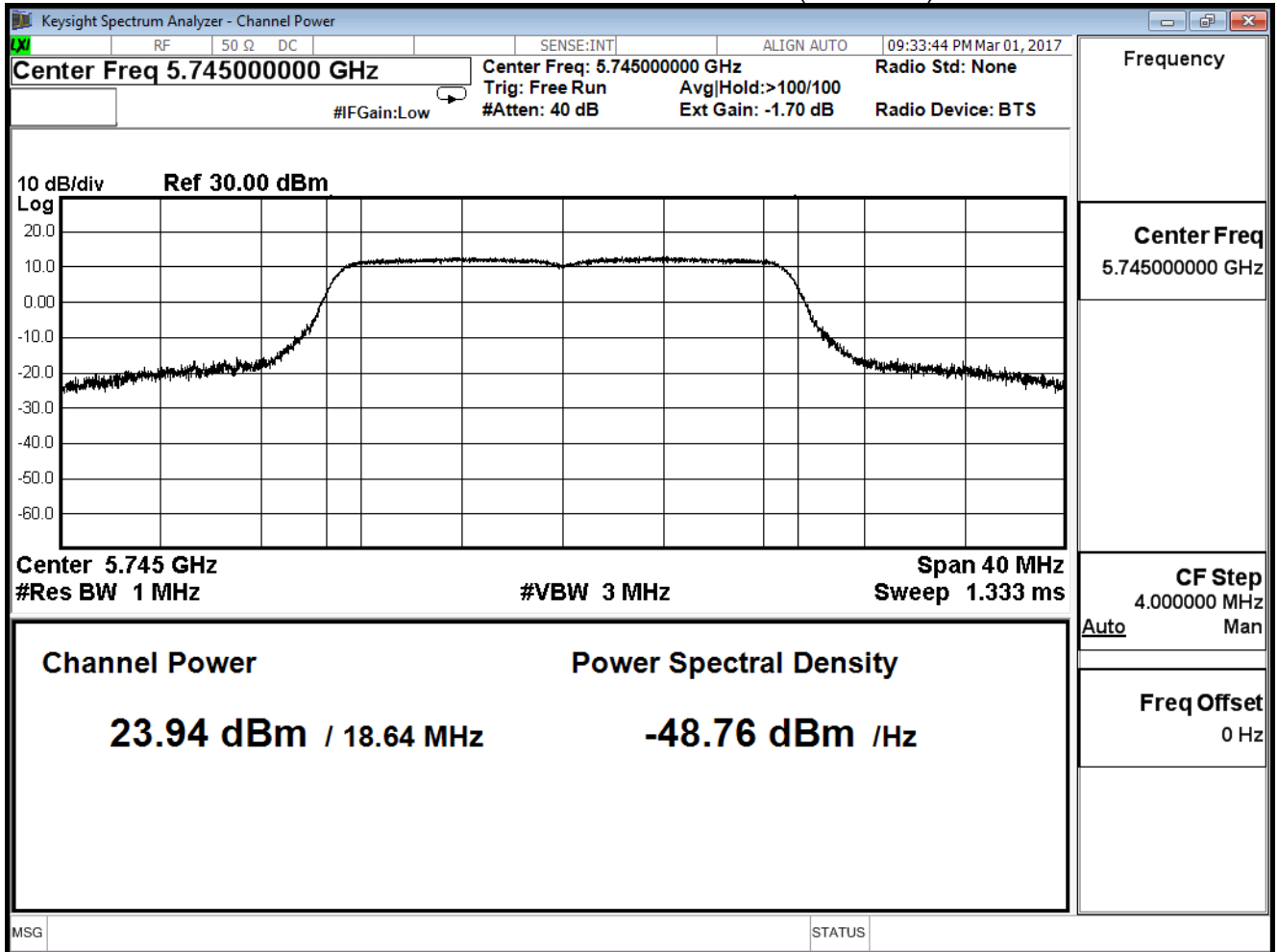
IEEE 802.11n 20MHz (ANT 0)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
149	5745	23.940	≤30
157	5785	23.900	≤30
165	5825	23.900	≤30

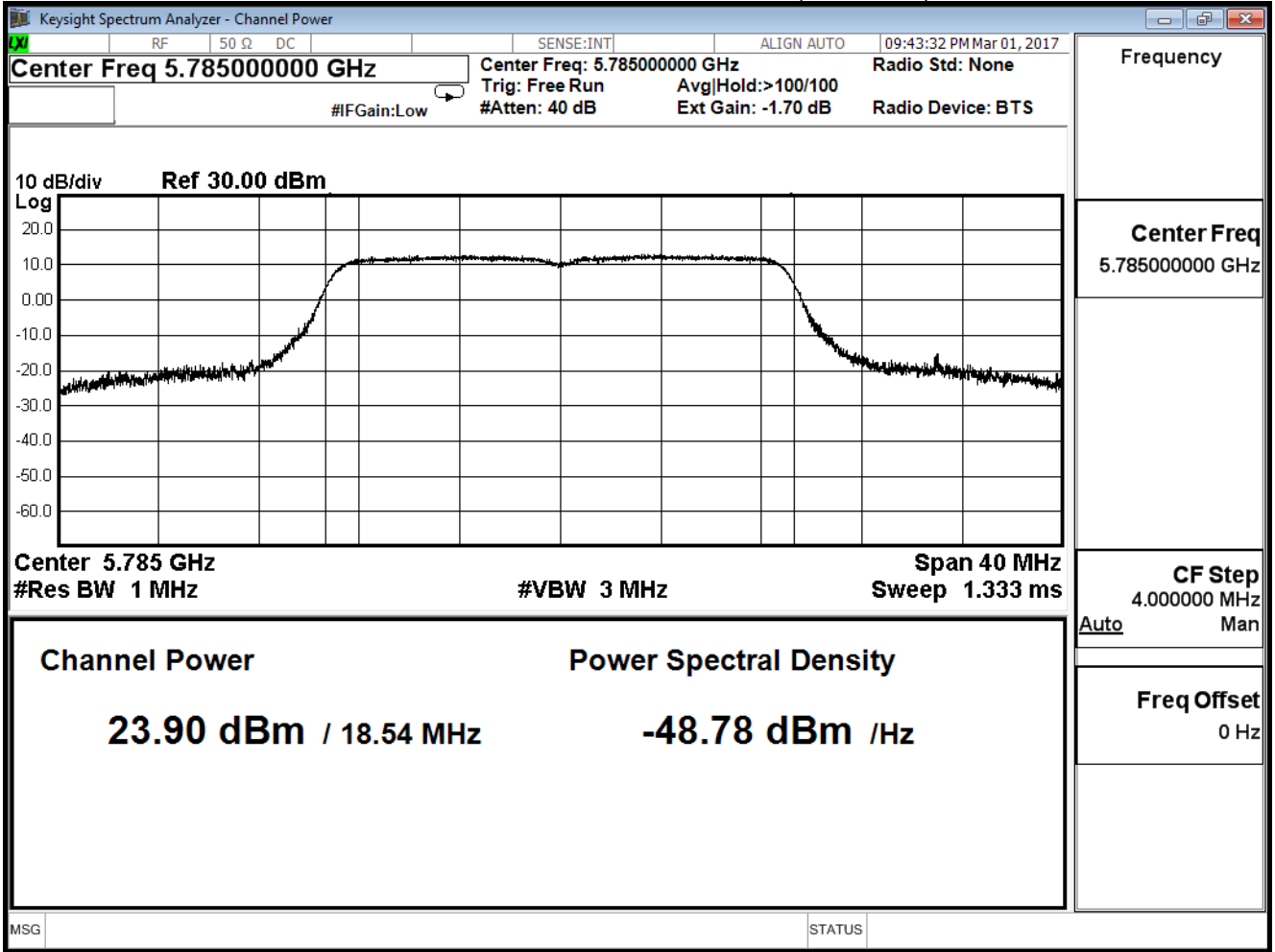
The worst emission of data rate is MCS 24

Peak Power Output (dBm)										
Channel No	Frequency (MHz)	MCS Index								Required Limit
		24	25	26	27	28	29	30	31	
149	5745	23.940	--	--	--	--	--	--	--	≤30dBm
157	5785	23.900	23.860	23.800	23.610	23.500	23.320	23.100	23.000	
165	5825	23.900	--	--	--	--	--	--	--	

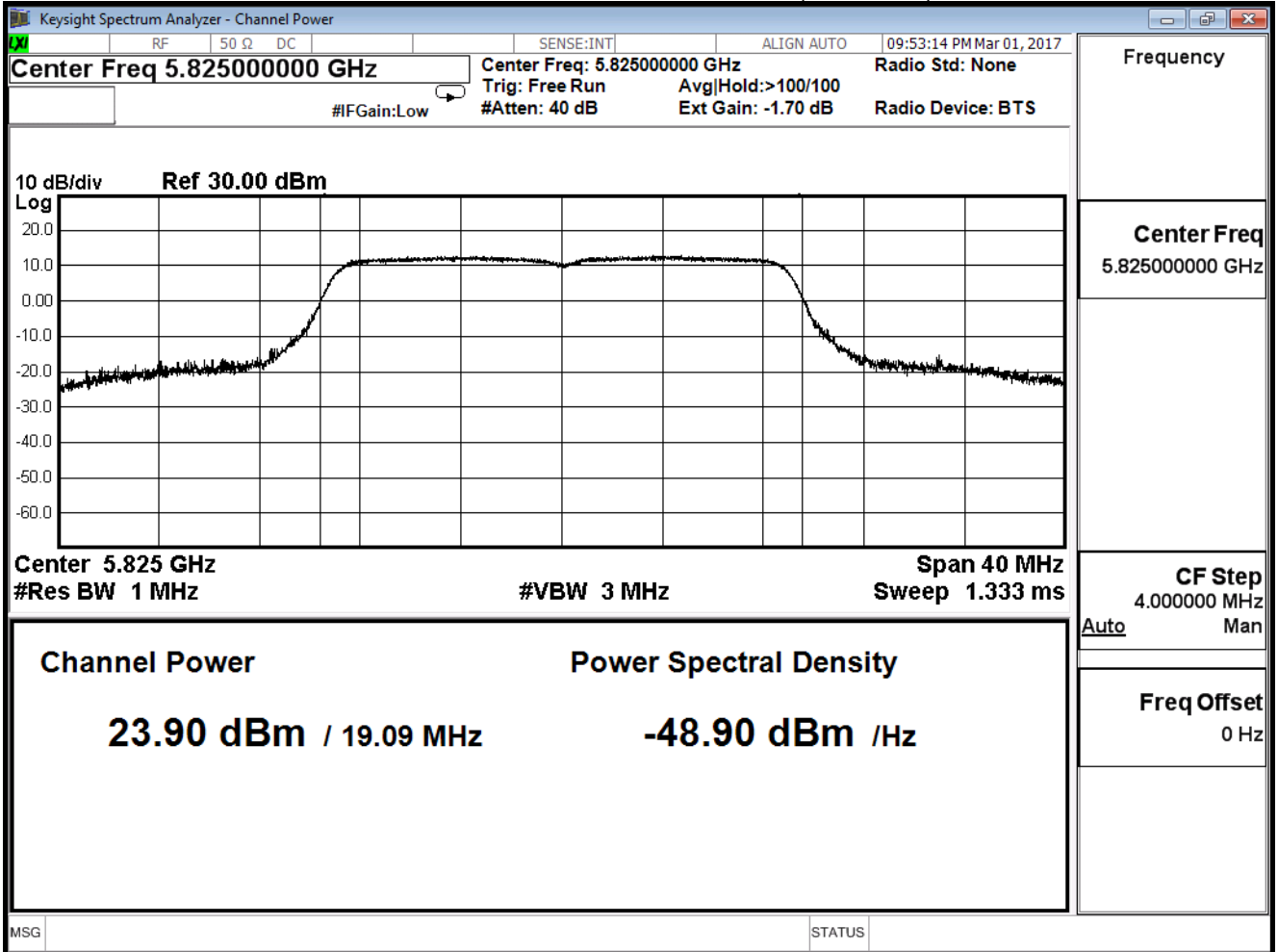
Peak transmit Power - Channel 149 (5745MHz)



Peak transmit Power - Channel 157 (5785MHz)



Peak transmit Power - Channel 165 (5825MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: Tx_AD P: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/03/01	Test Site	SR10-H

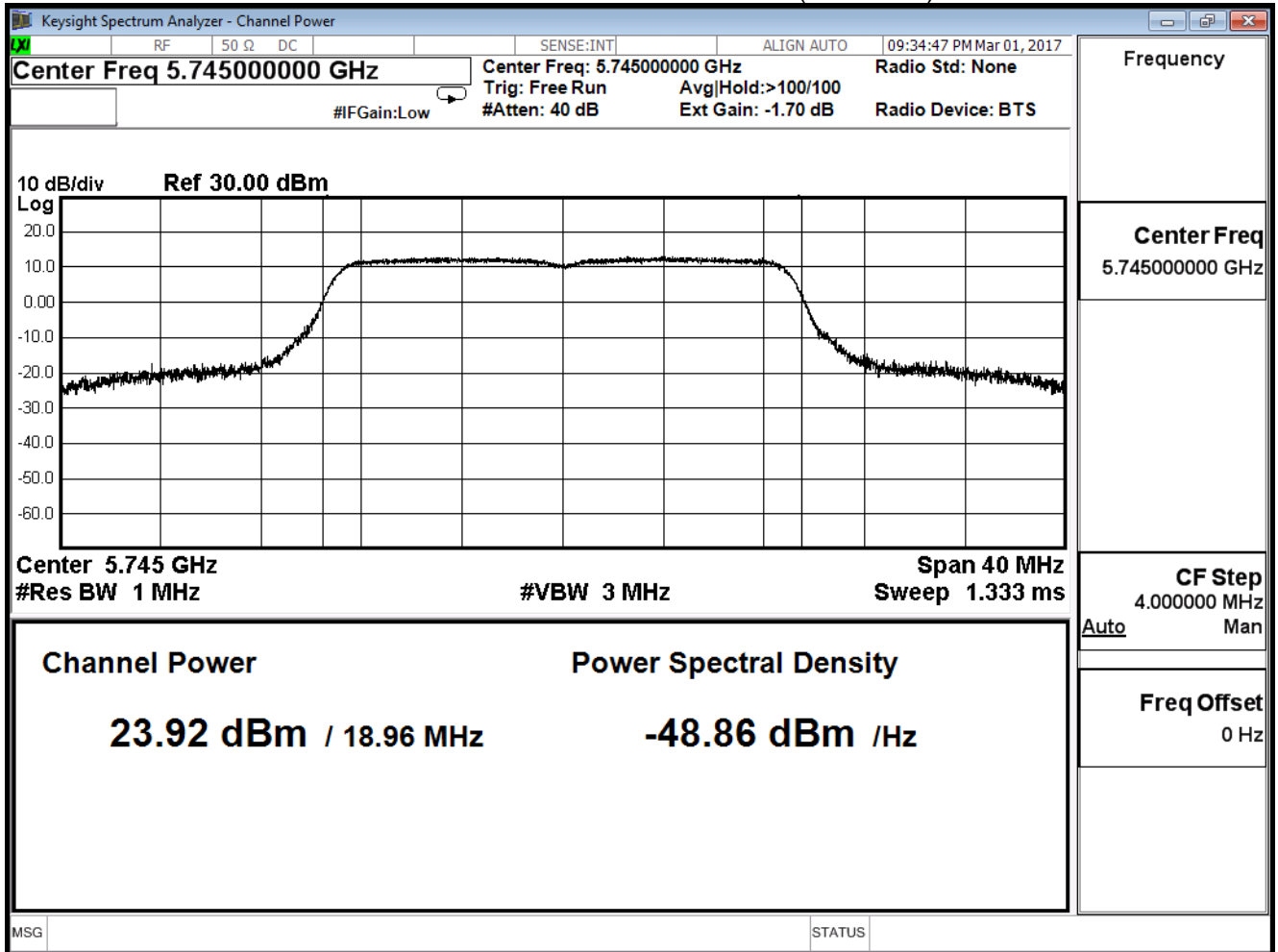
IEEE 802.11n 20MHz (ANT 1)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
149	5745	23.920	≤30
157	5785	23.990	≤30
165	5825	23.960	≤30

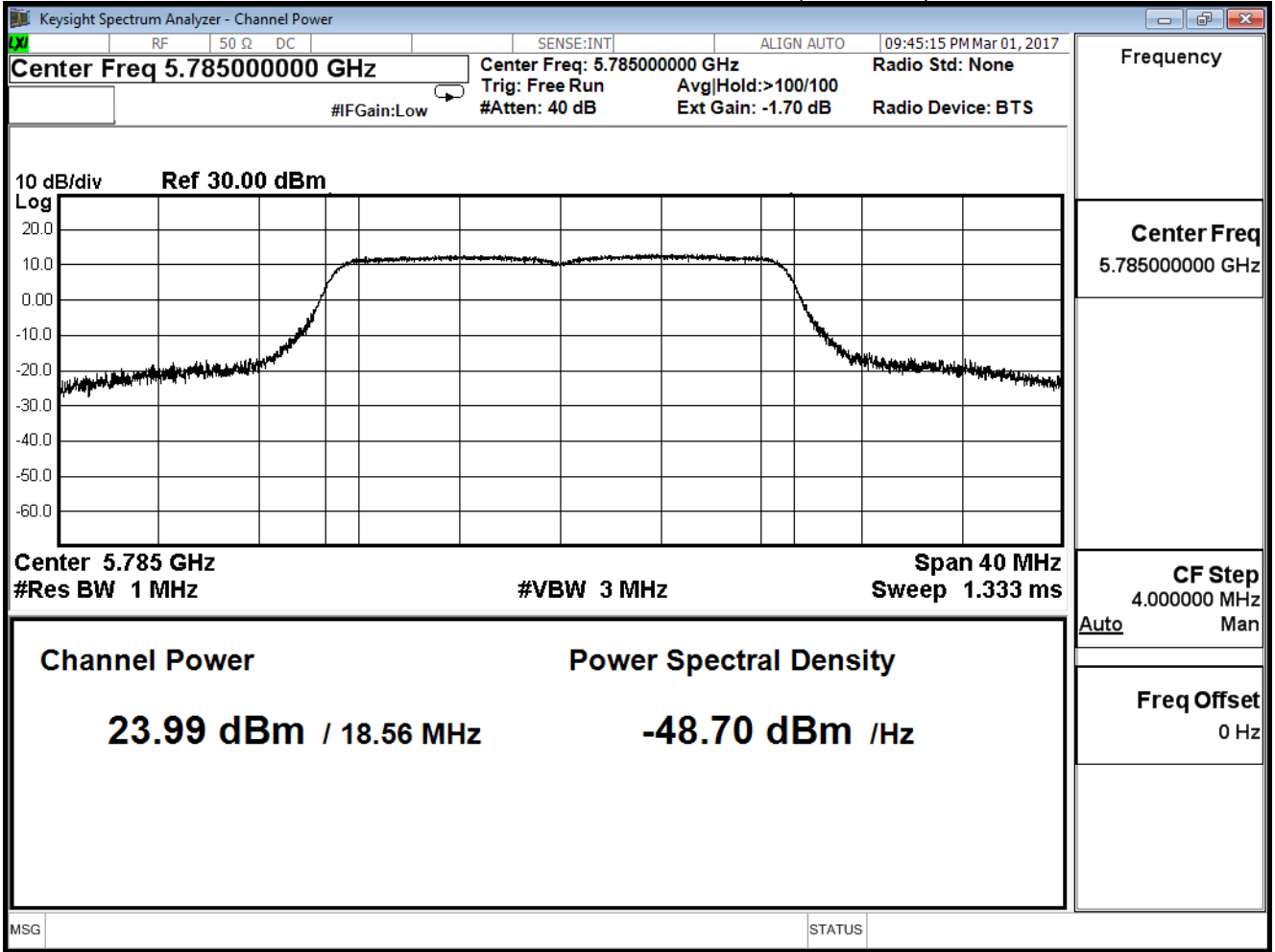
The worst emission of data rate is MCS 24

Peak Power Output (dBm)										
Channel No	Frequency (MHz)	MCS Index								Required Limit
		24	25	26	27	28	29	30	31	
149	5745	23.920	--	--	--	--	--	--	--	≤30dBm
157	5785	23.990	23.910	23.710	23.580	23.500	23.410	23.320	23.190	
165	5825	23.960	--	--	--	--	--	--	--	

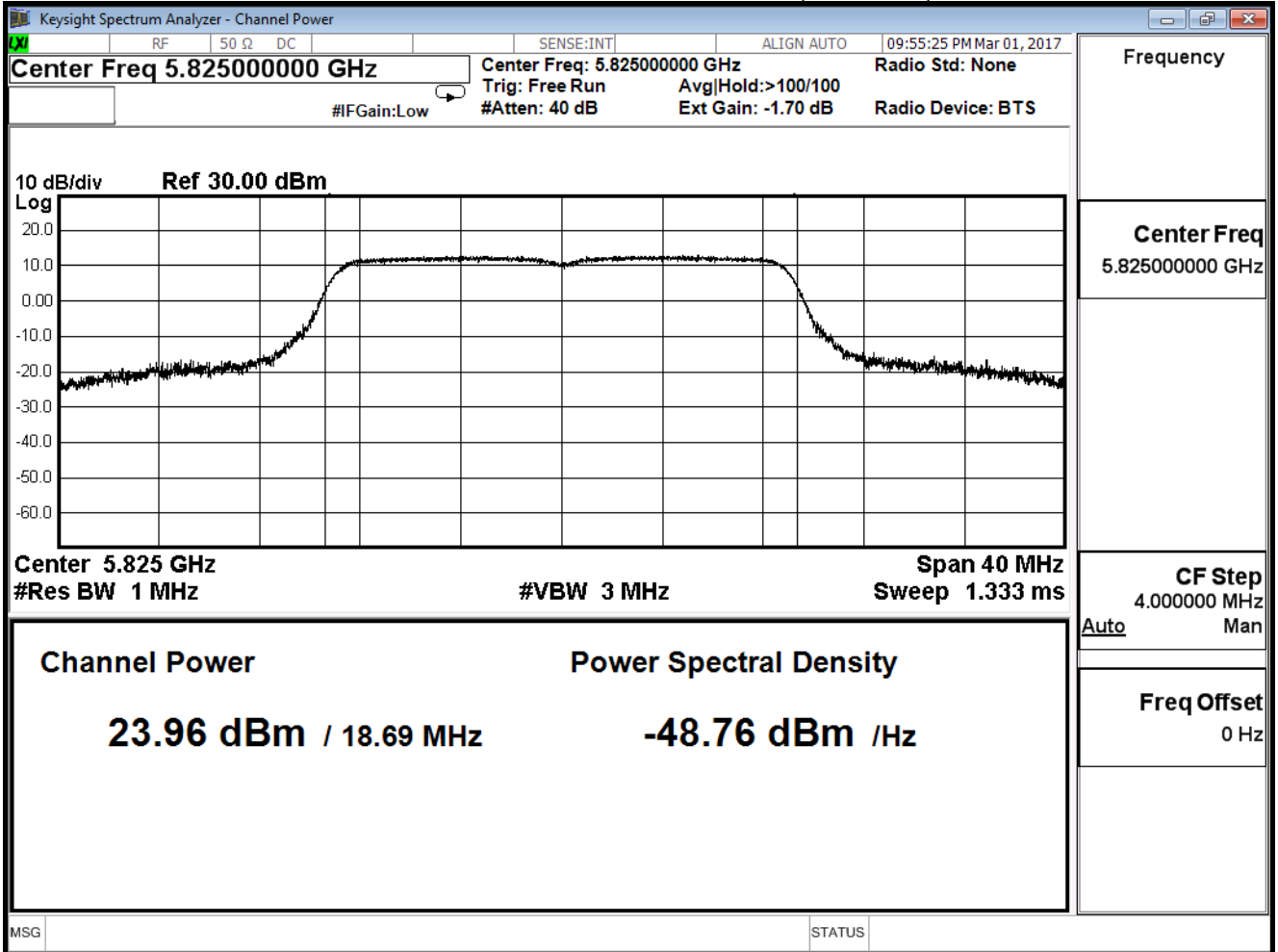
Peak transmit Power - Channel 149 (5745MHz)



Peak transmit Power - Channel 157 (5785MHz)



Peak transmit Power - Channel 165 (5825MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: Tx_AD P: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/03/01	Test Site	SR10-H

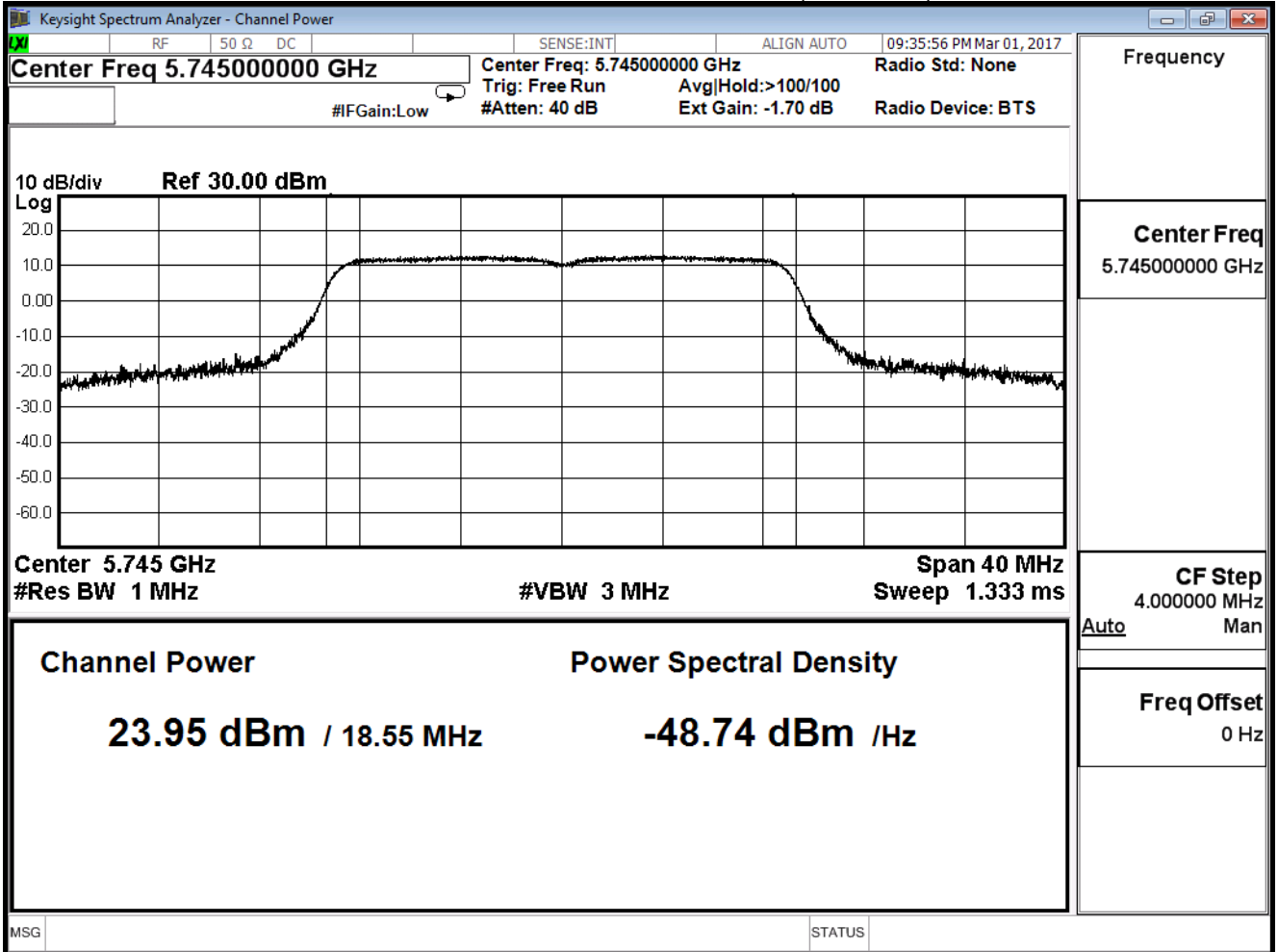
IEEE 802.11n 20MHz (ANT 2)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
149	5745	23.950	≤30
157	5785	23.920	≤30
165	5825	23.970	≤30

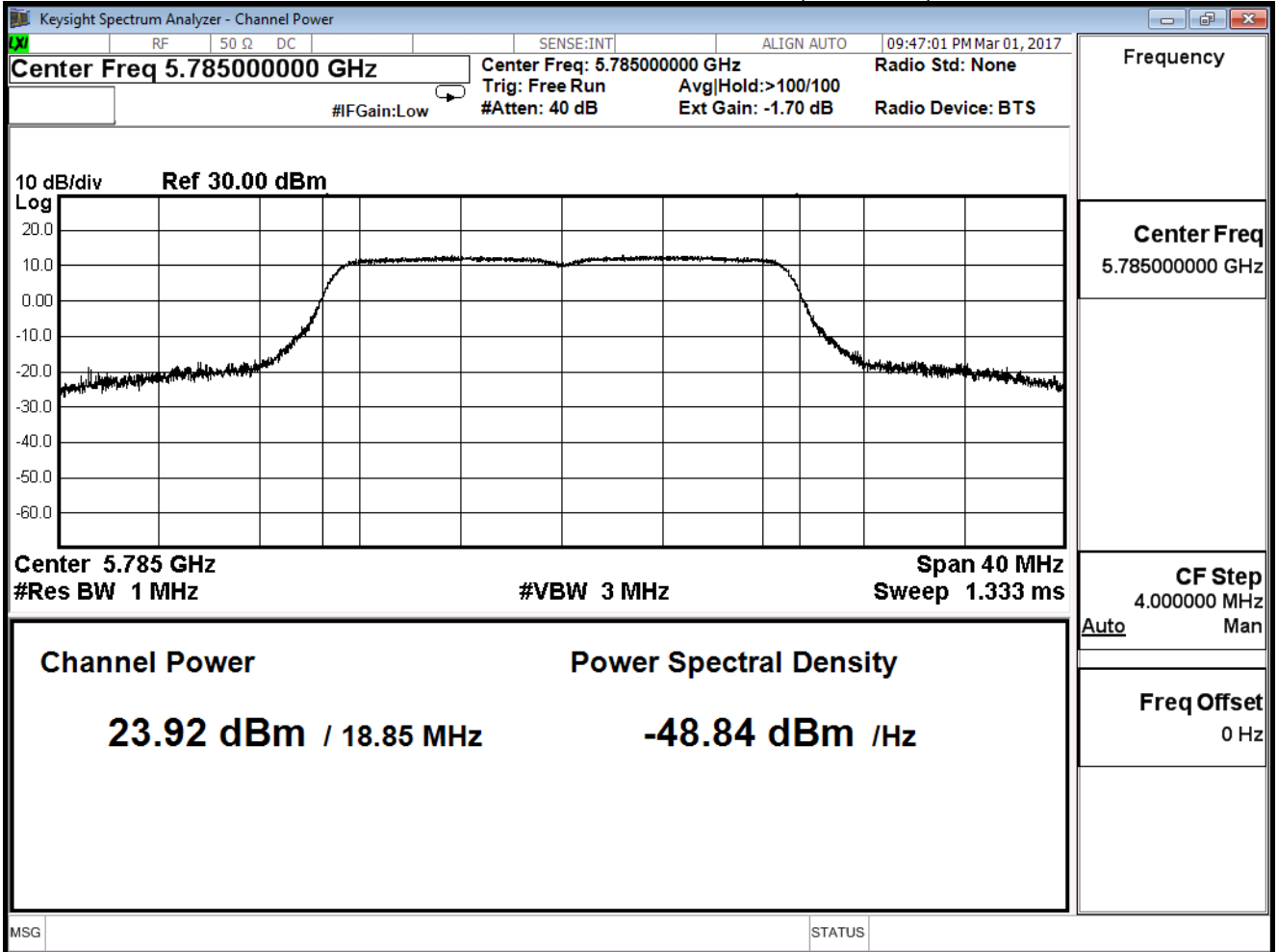
The worst emission of data rate is MCS 24

Peak Power Output (dBm)										
Channel No	Frequency (MHz)	MCS Index								Required Limit
		24	25	26	27	28	29	30	31	
149	5745	23.950	--	--	--	--	--	--	--	≤30dBm
157	5785	23.920	23.850	23.760	23.610	23.500	23.400	23.310	23.010	
165	5825	23.970	--	--	--	--	--	--	--	

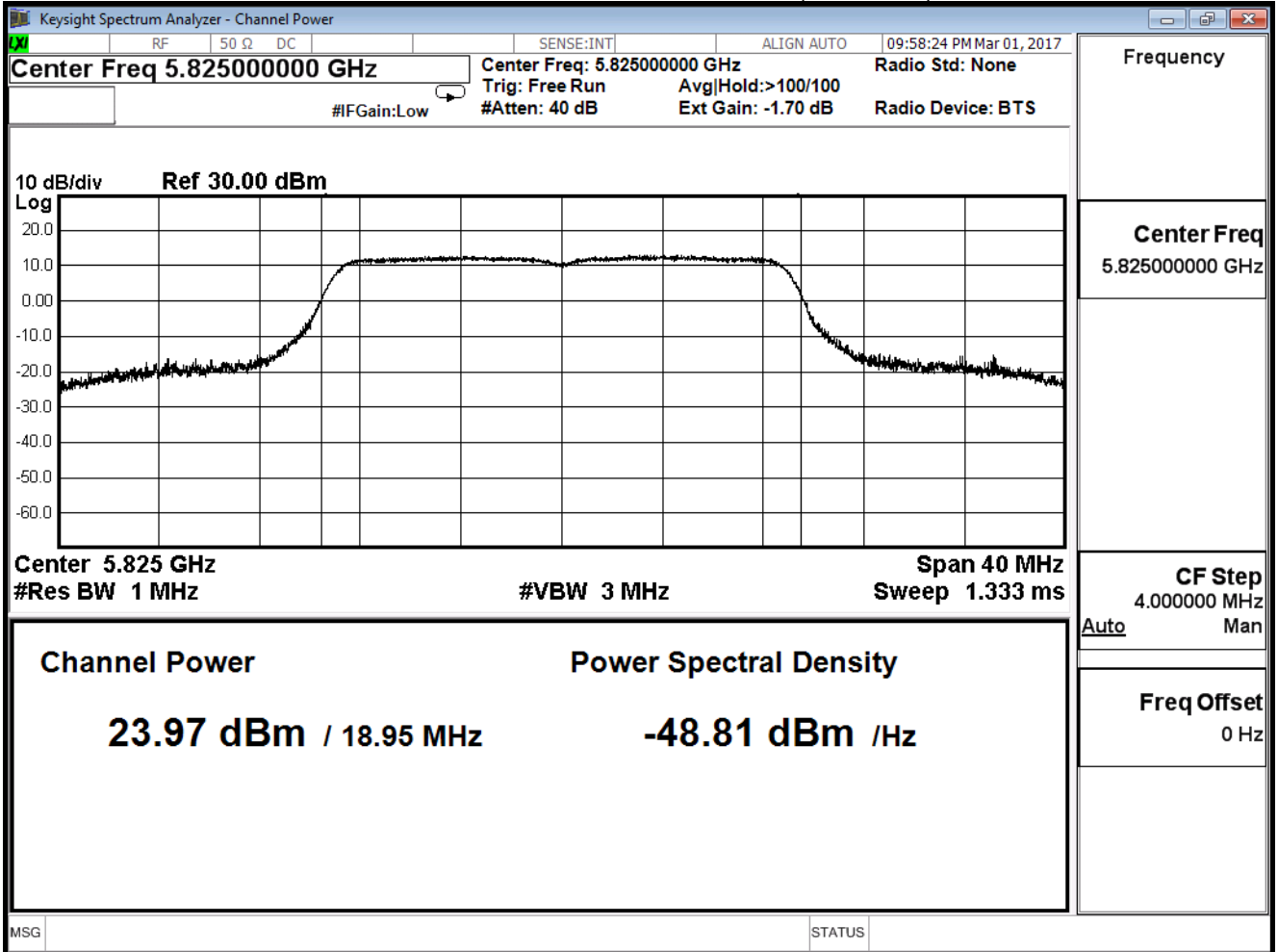
Peak transmit Power - Channel 149 (5745MHz)



Peak transmit Power - Channel 157 (5785MHz)



Peak transmit Power - Channel 165 (5825MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: Tx_AD P: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/03/01	Test Site	SR10-H

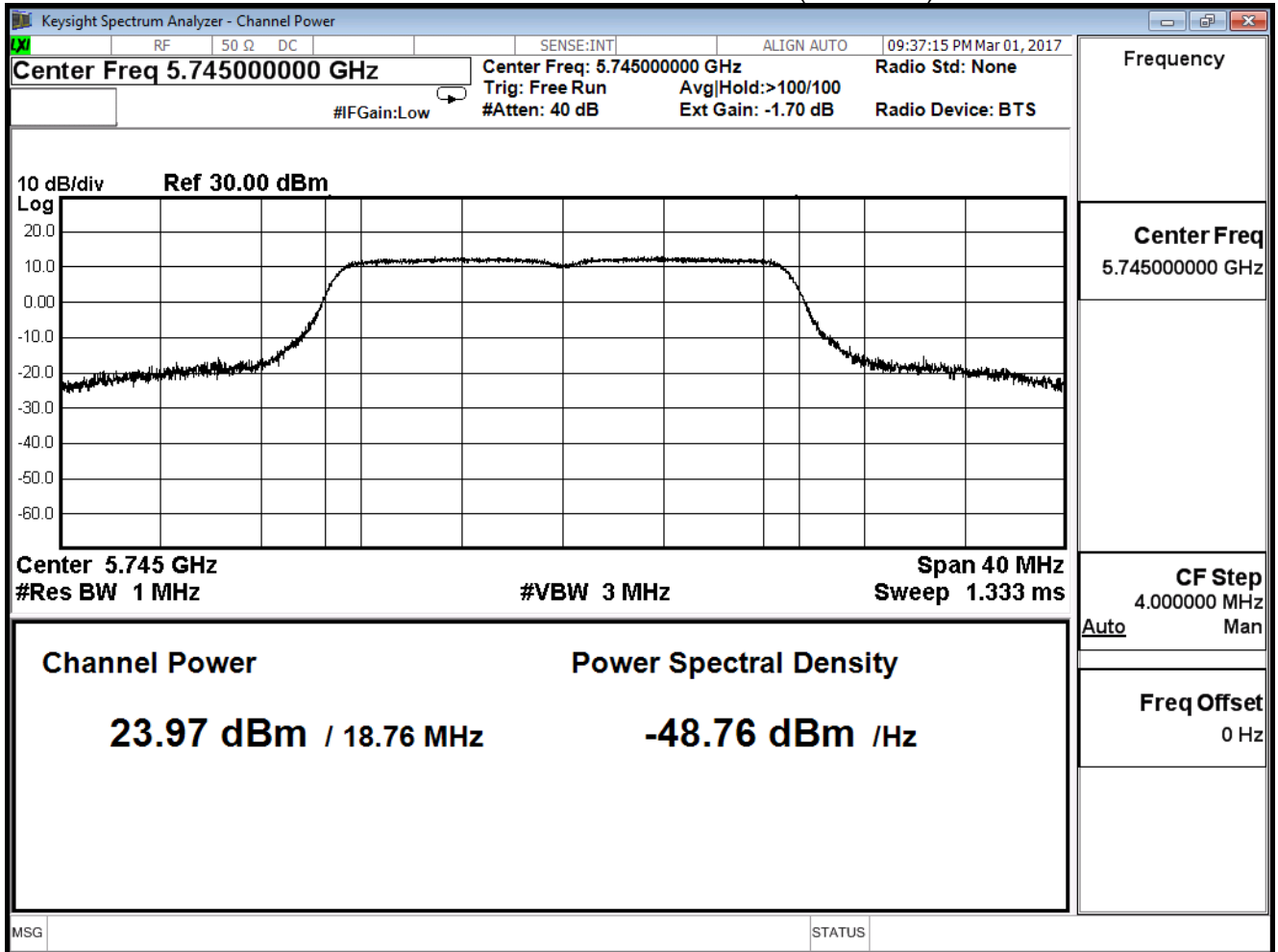
IEEE 802.11n 20MHz (ANT 3)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
149	5745	23.970	≤30
157	5785	23.810	≤30
165	5825	23.950	≤30

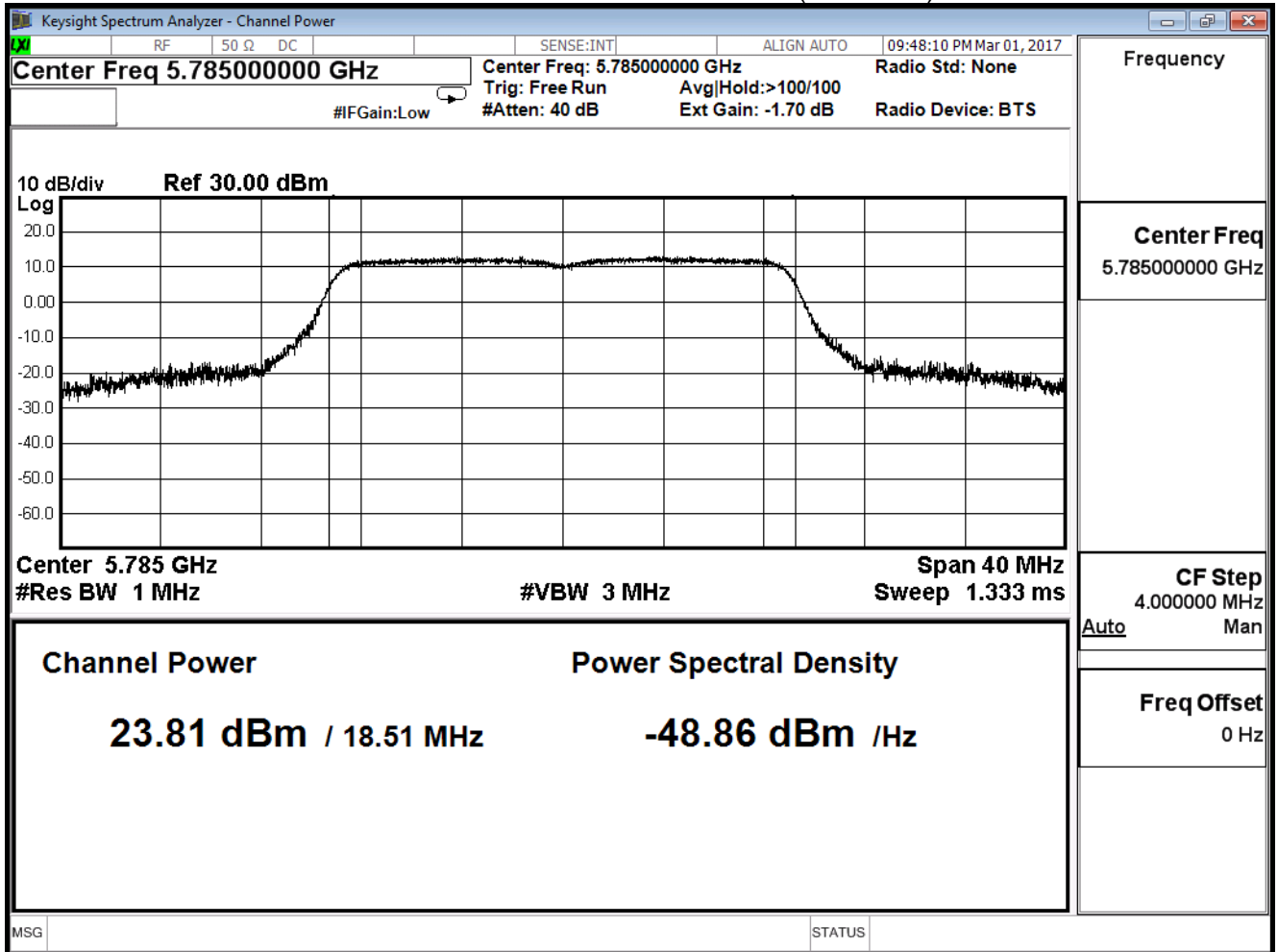
The worst emission of data rate is MCS 24

Peak Power Output (dBm)										
Channel No	Frequency (MHz)	MCS Index								Required Limit
		24	25	26	27	28	29	30	31	
149	5745	23.970	--	--	--	--	--	--	--	≤30dBm
157	5785	23.810	23.770	23.610	23.510	23.320	23.100	23.010	22.900	
165	5825	23.950	--	--	--	--	--	--	--	

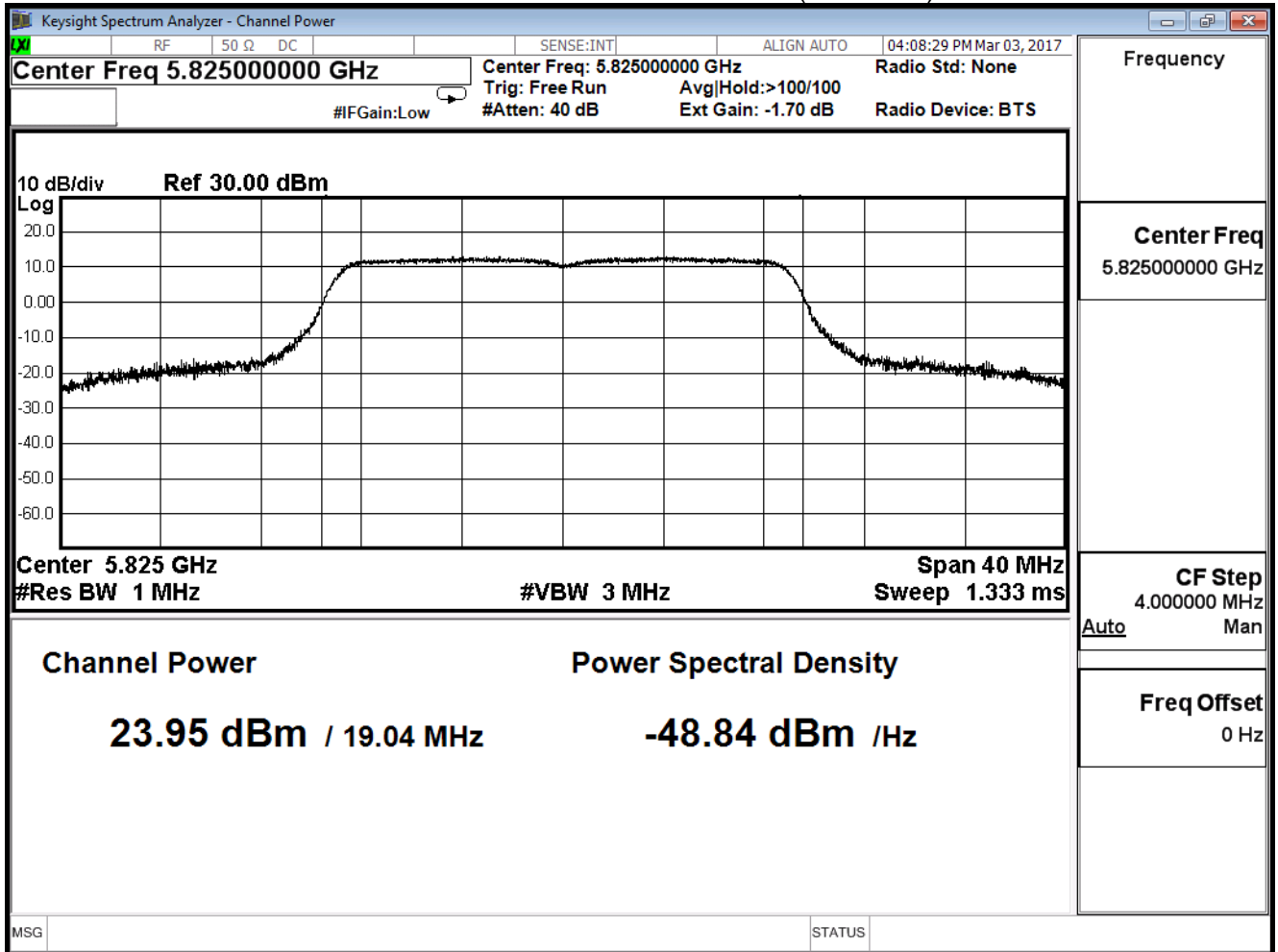
Peak transmit Power - Channel 149 (5745MHz)



Peak transmit Power - Channel 157 (5785MHz)



Peak transmit Power - Channel 165 (5825MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: Tx_ADp: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/03/01	Test Site	SR10-H

IEEE 802.11n 20MHz (ANT 0+1+2+3)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
149	5745	29.966	≤30
157	5785	29.926	≤30
165	5825	29.966	≤30

Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: Tx_AD P: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/03/01	Test Site	SR10-H

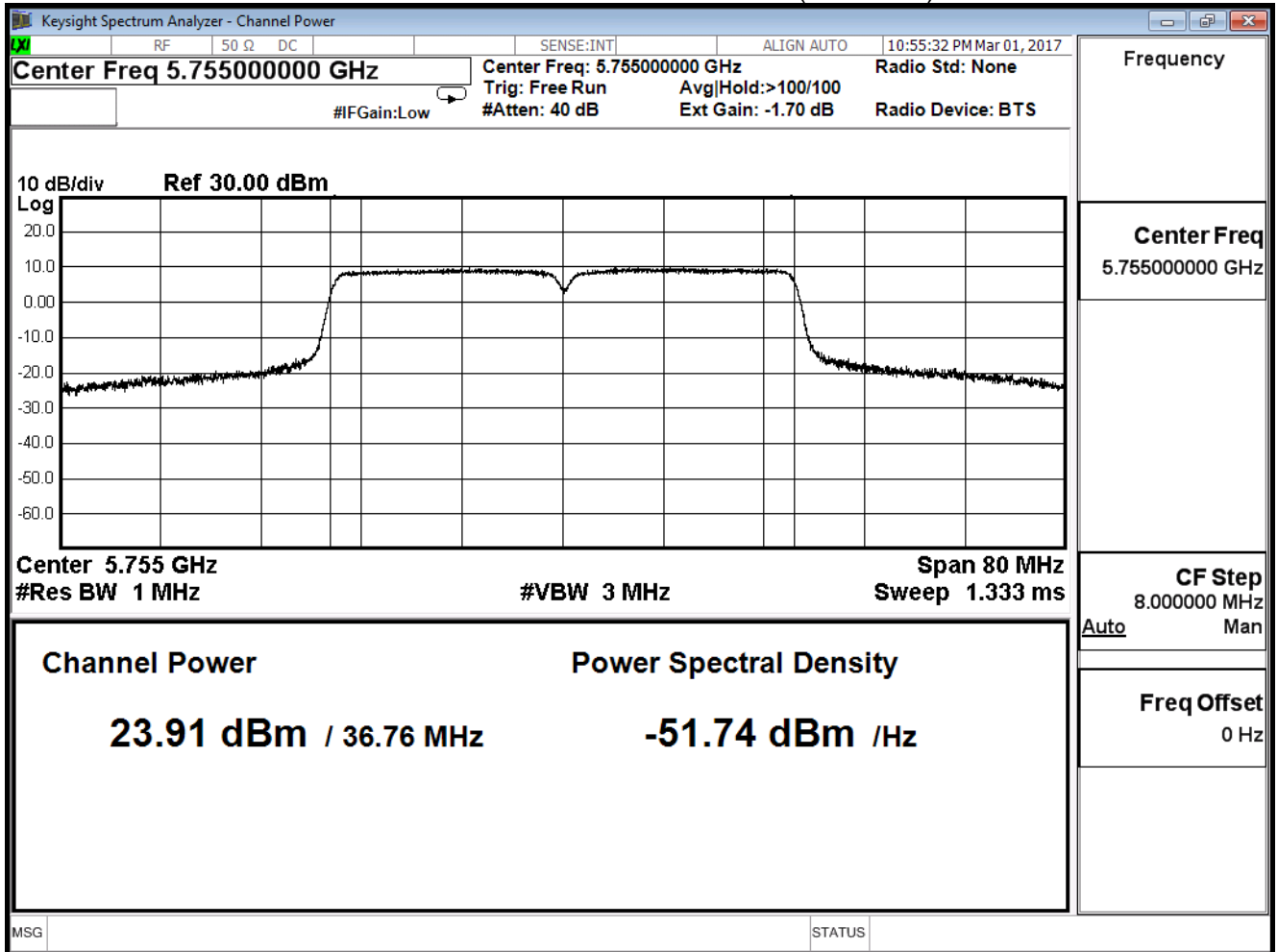
IEEE802.11n 40MHz(ANT 0)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
151	5755	23.910	≤30
159	5795	23.920	≤30

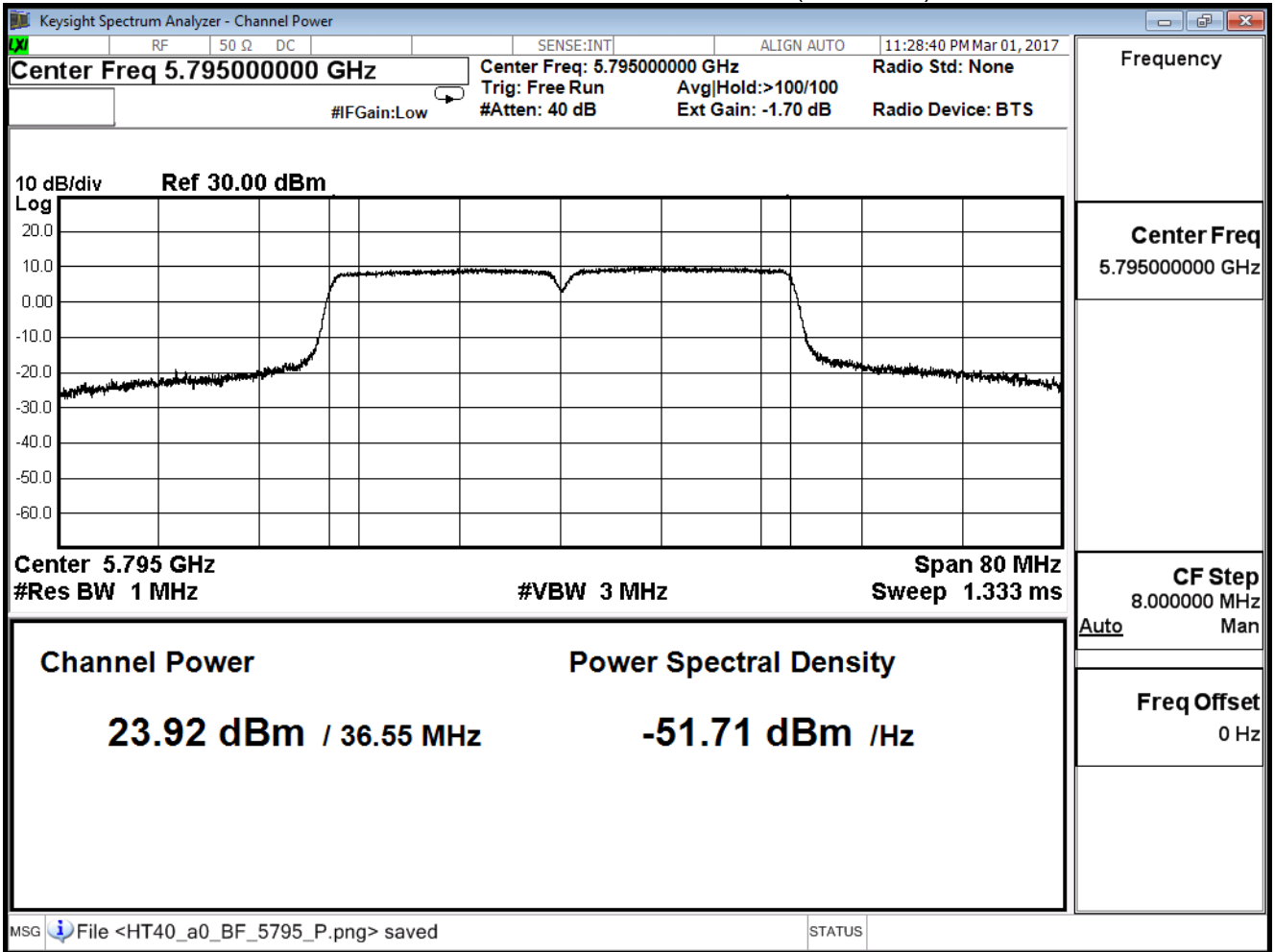
The worst emission of data rate is MCS 24

Channel No	Frequency (MHz)	MCS Index								Required Limit
		24	25	26	27	28	29	30	31	
151	5755	23.910	--	--	--	--	--	--	--	≤30dBm
159	5795	23.920	23.860	23.760	23.510	23.410	23.220	23.080	22.900	

Peak transmit Power - Channel 151 (5755MHz)



Peak transmit Power - Channel 159 (5795MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: Tx_AD P: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/03/01	Test Site	SR10-H

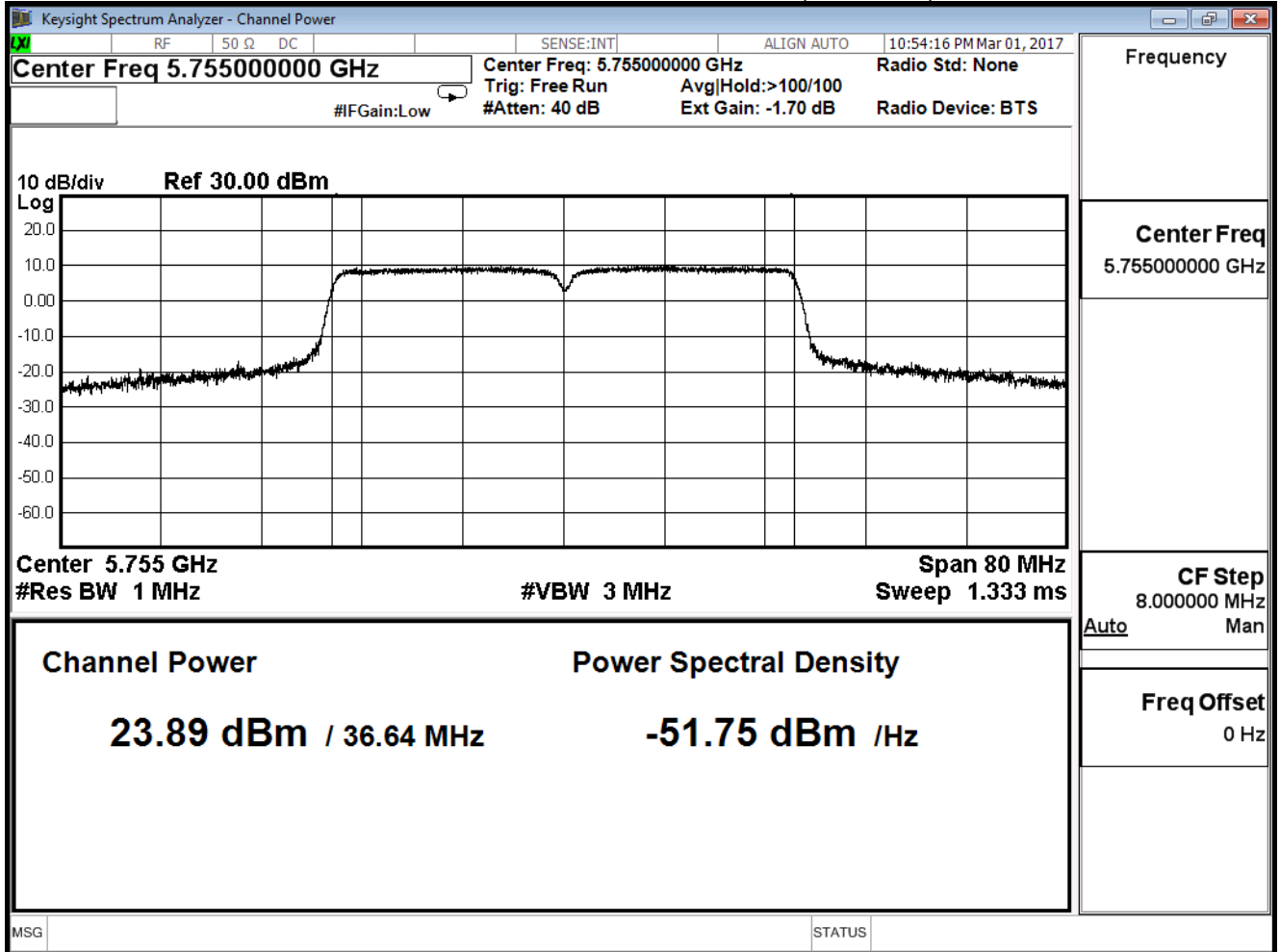
IEEE802.11n 40MHz(ANT 1)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
151	5755	23.890	≤30
159	5795	23.900	≤30

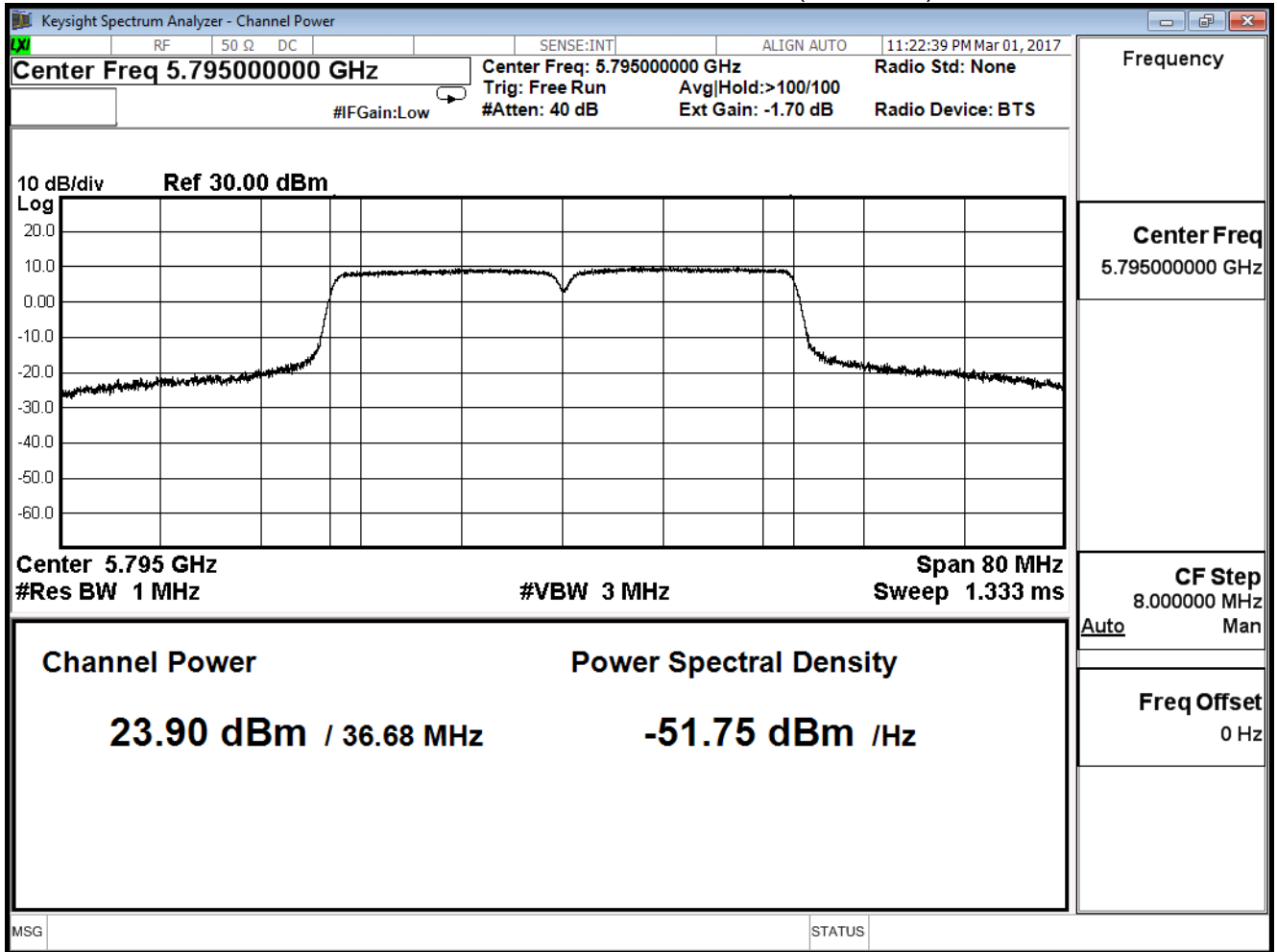
The worst emission of data rate is MCS 24

Channel No	Frequency (MHz)	MCS Index								Required Limit
		24	25	26	27	28	29	30	31	
151	5755	23.890	--	--	--	--	--	--	--	≤30dBm
159	5795	23.900	23.720	23.660	23.580	23.480	23.400	23.280	23.110	

Peak transmit Power - Channel 151 (5755MHz)



Peak transmit Power - Channel 159 (5795MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/03/01	Test Site	SR10-H

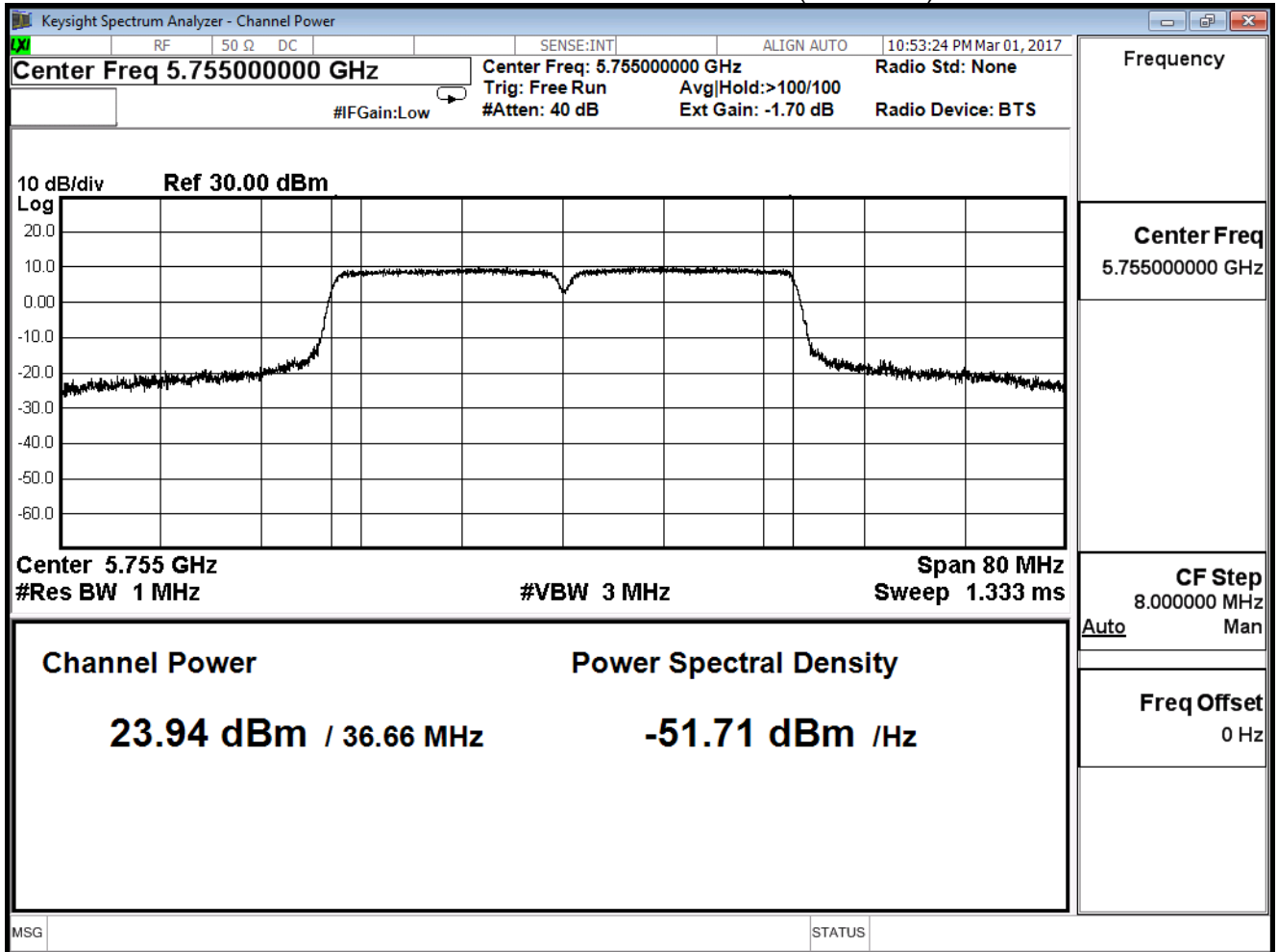
IEEE802.11n 40MHz(ANT 2)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
151	5755	23.940	≤30
159	5795	23.890	≤30

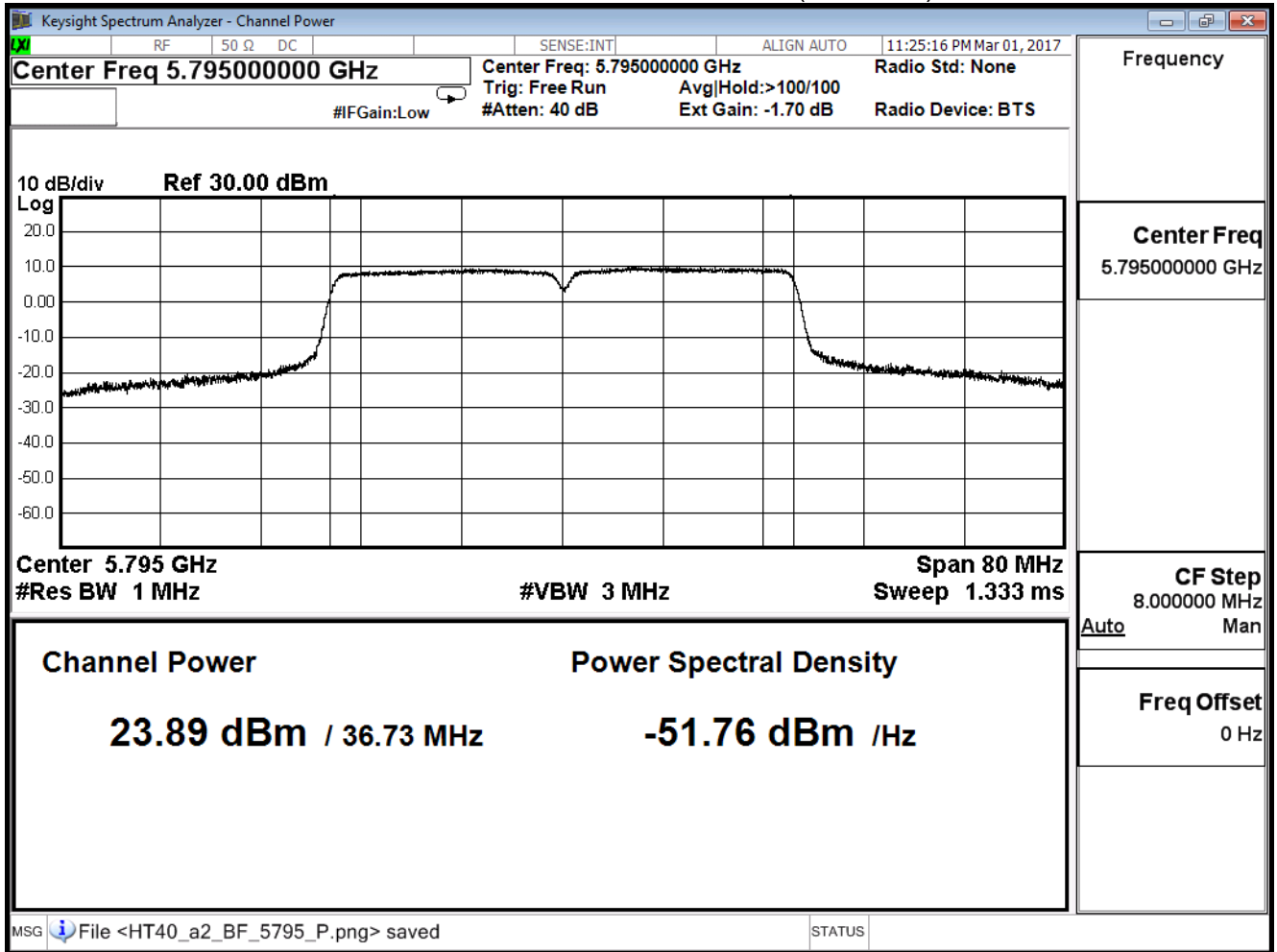
The worst emission of data rate is MCS 24

Channel No	Frequency (MHz)	MCS Index								Required Limit
		24	25	26	27	28	29	30	31	
151	5755	23.940	--	--	--	--	--	--	--	≤30dBm
159	5795	23.890	23.800	23.710	23.580	23.410	23.210	23.080	22.900	

Peak transmit Power - Channel 151 (5755MHz)



Peak transmit Power - Channel 159 (5795MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/03/01	Test Site	SR10-H

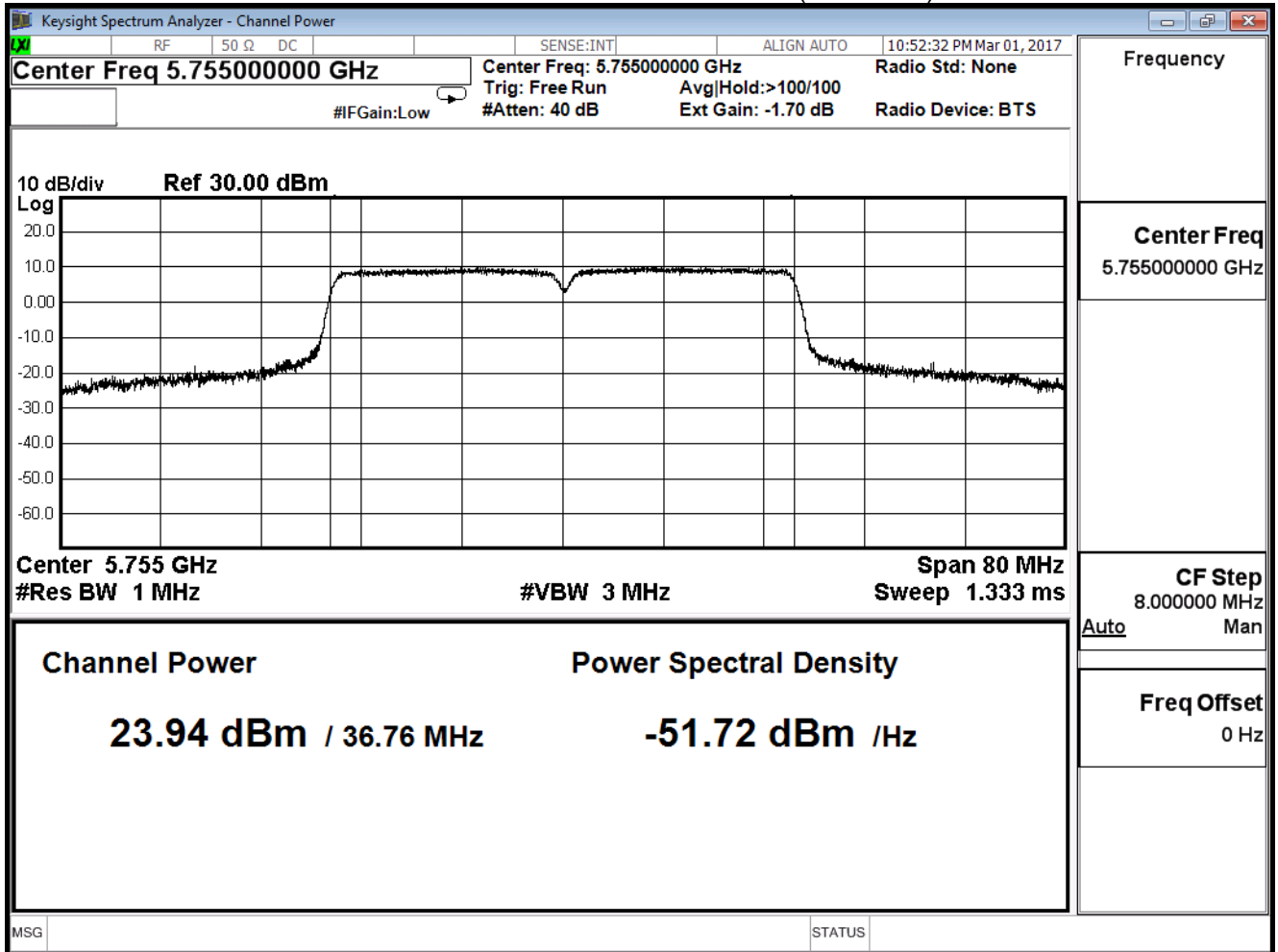
IEEE802.11n 40MHz(ANT 3)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
151	5755	23.940	≤30
159	5795	23.910	≤30

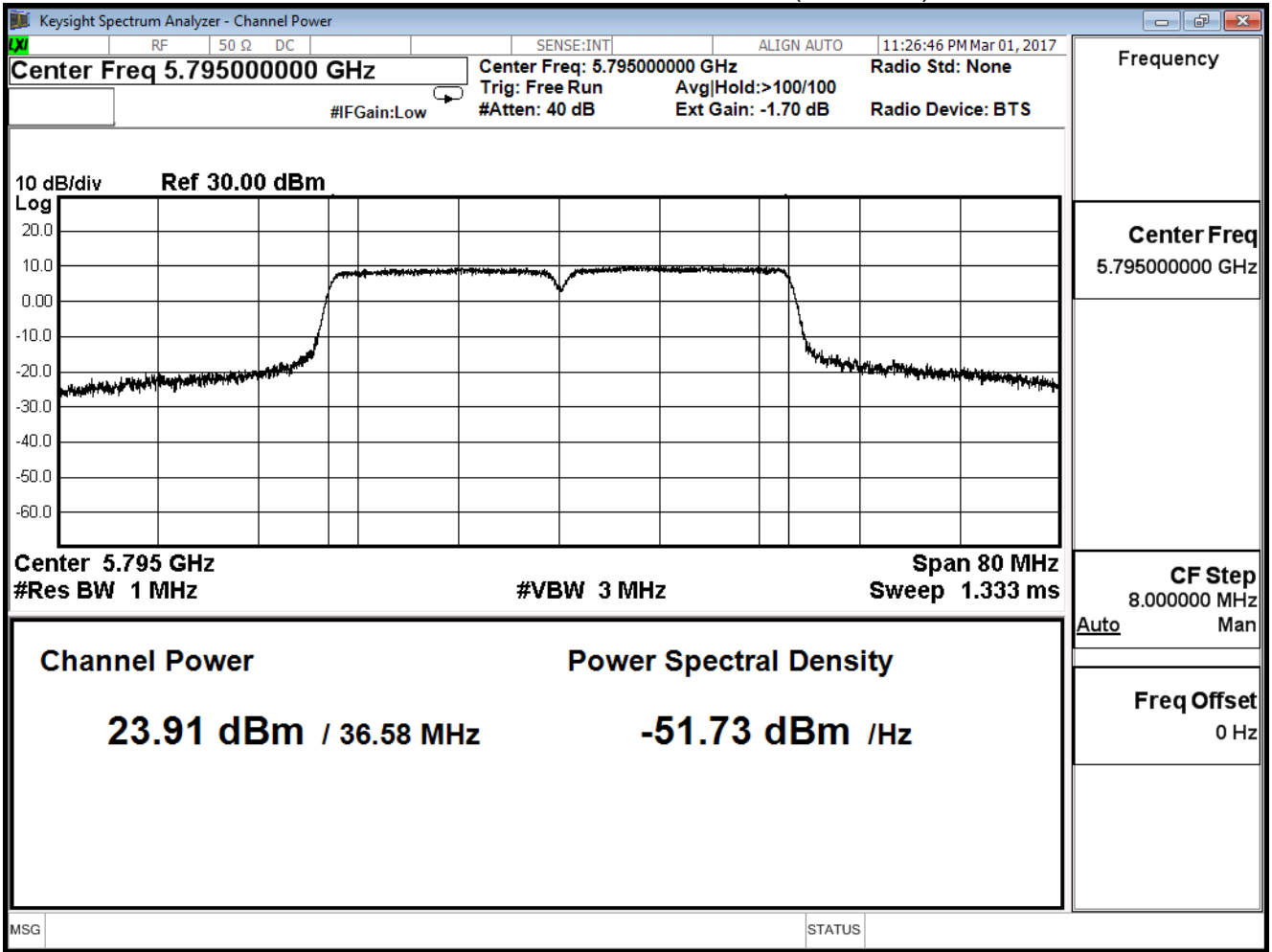
The worst emission of data rate is MCS 24

Channel No	Frequency (MHz)	MCS Index								Required Limit
		24	25	26	27	28	29	30	31	
151	5755	23.940	--	--	--	--	--	--	--	≤30dBm
159	5795	23.910	23.800	23.680	23.420	23.180	23.010	22.90	22.760	

Peak transmit Power - Channel 151 (5755MHz)



Peak transmit Power - Channel 159 (5795MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: Tx_AD P: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/03/01	Test Site	SR10-H

IEEE802.11n 40MHz(ANT 0+1+2+3)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
151	5755	29.941	≤30
159	5795	29.926	≤30

Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/03/03	Test Site	SR10-H

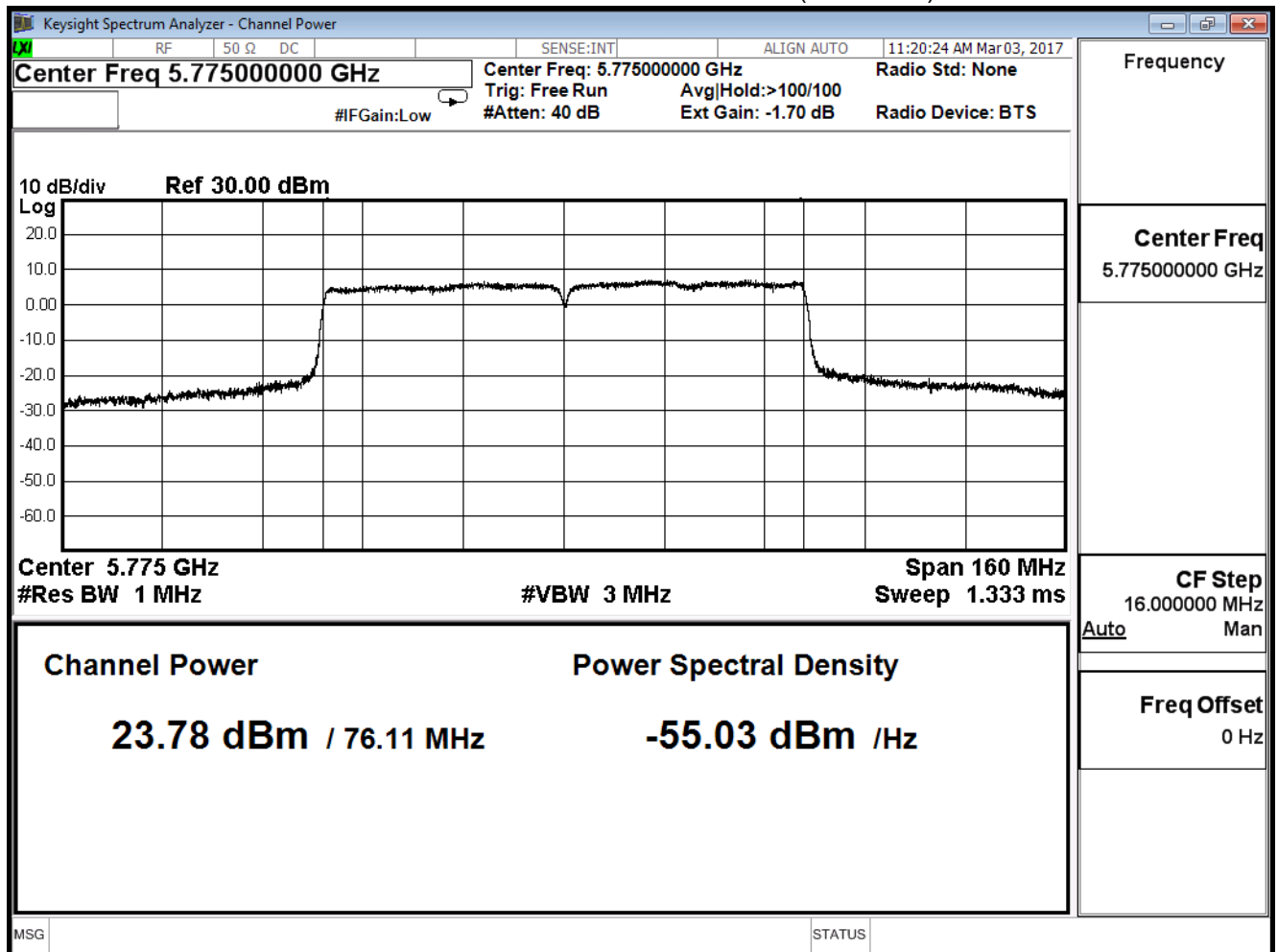
IEEE802.11ac 80MHz (ANT 0)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
155	5775	23.780	≤30

The worst emission of data rate is MCS0

Channel No	Frequency (MHz)	MCS Index										Required Limit
		0	1	2	3	4	5	6	7	8	9	
155	5775	23.780	23.620	23.420	23.110	22.900	22.680	22.410	22.200	21.920	21.680	≤30dBm

Peak transmit Power - Channel 155 (5775MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: Tx_AD P: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/03/03	Test Site	SR10-H

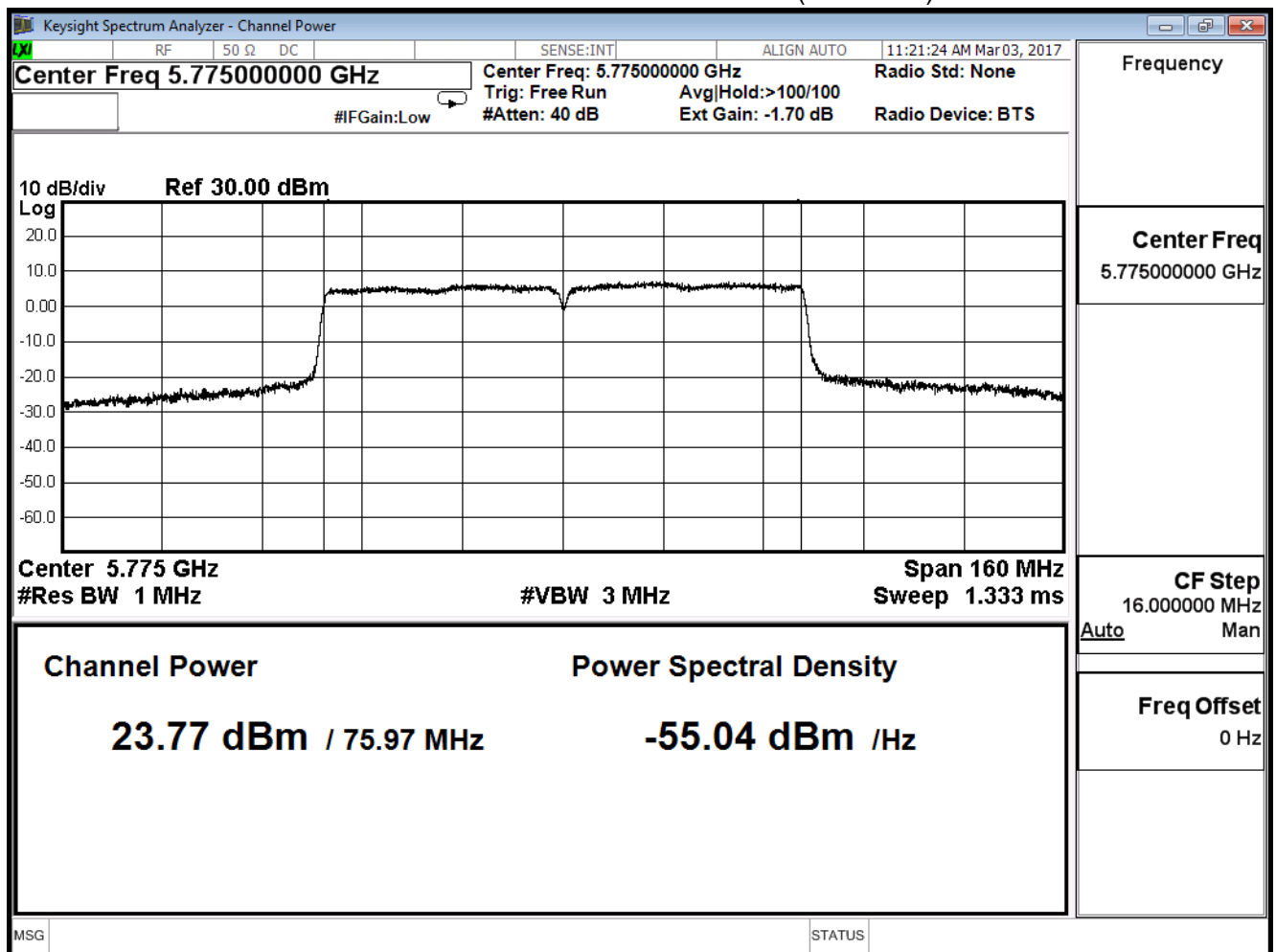
IEEE802.11ac 80MHz (ANT 1)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
155	5775	23.770	≤30

The worst emission of data rate is MCS0

Channel No	Frequency (MHz)	MCS Index										Required Limit
		0	1	2	3	4	5	6	7	8	9	
155	5775	23.770	23.620	23.410	23.080	22.900	22.760	22.550	22.320	22.180	22.000	≤30dBm

Peak transmit Power - Channel 155 (5775MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/03/03	Test Site	SR10-H

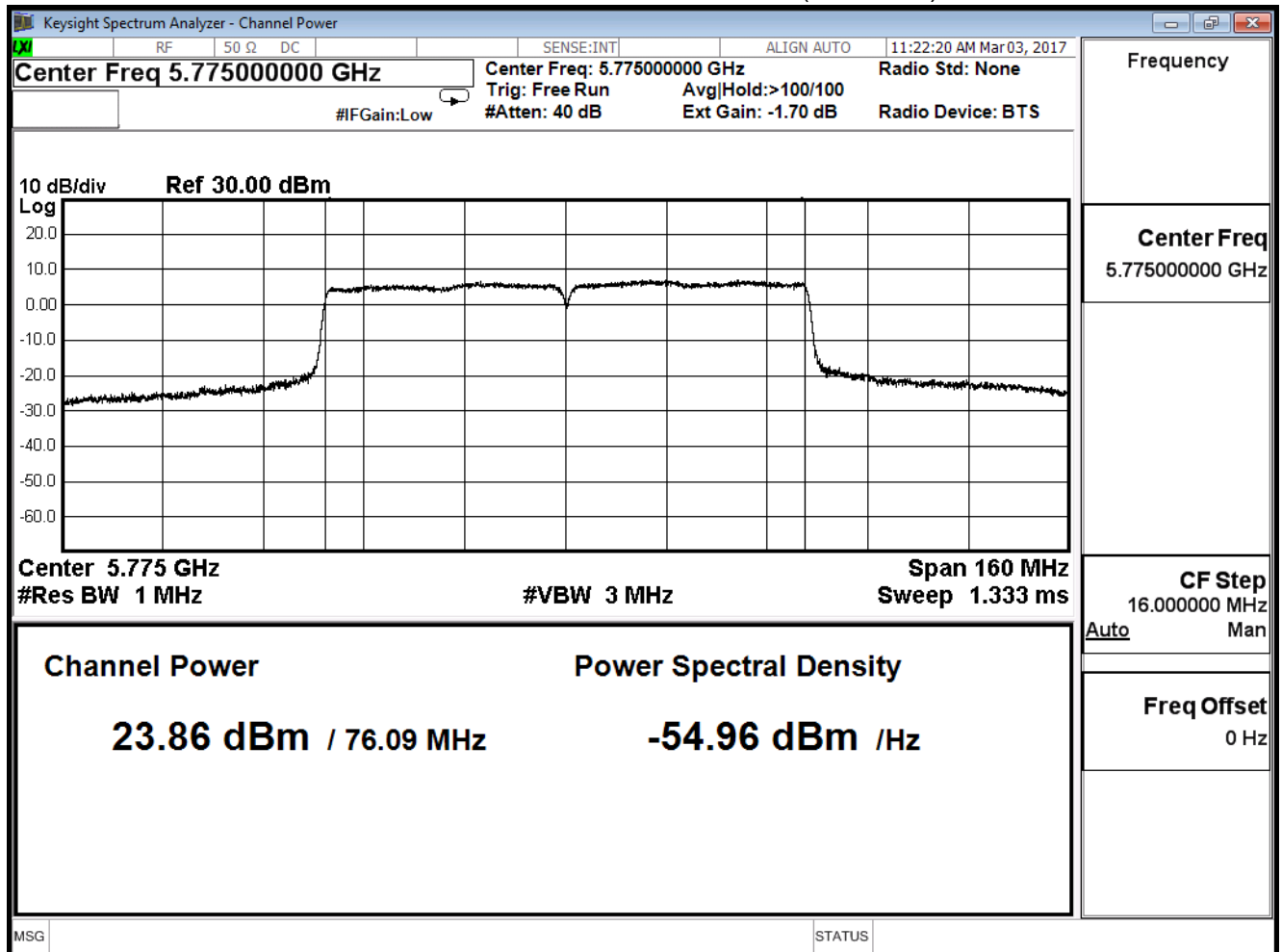
IEEE802.11ac 80MHz (ANT 2)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
155	5775	23.860	≤30

The worst emission of data rate is MCS0

Channel No	Frequency (MHz)	MCS Index										Required Limit
		0	1	2	3	4	5	6	7	8	9	
155	5775	23.860	23.710	23.580	23.440	23.020	22.890	22.760	22.620	22.510	22.440	≤30dBm

Peak transmit Power - Channel 155 (5775MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: Tx_ADP: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/03/03	Test Site	SR10-H

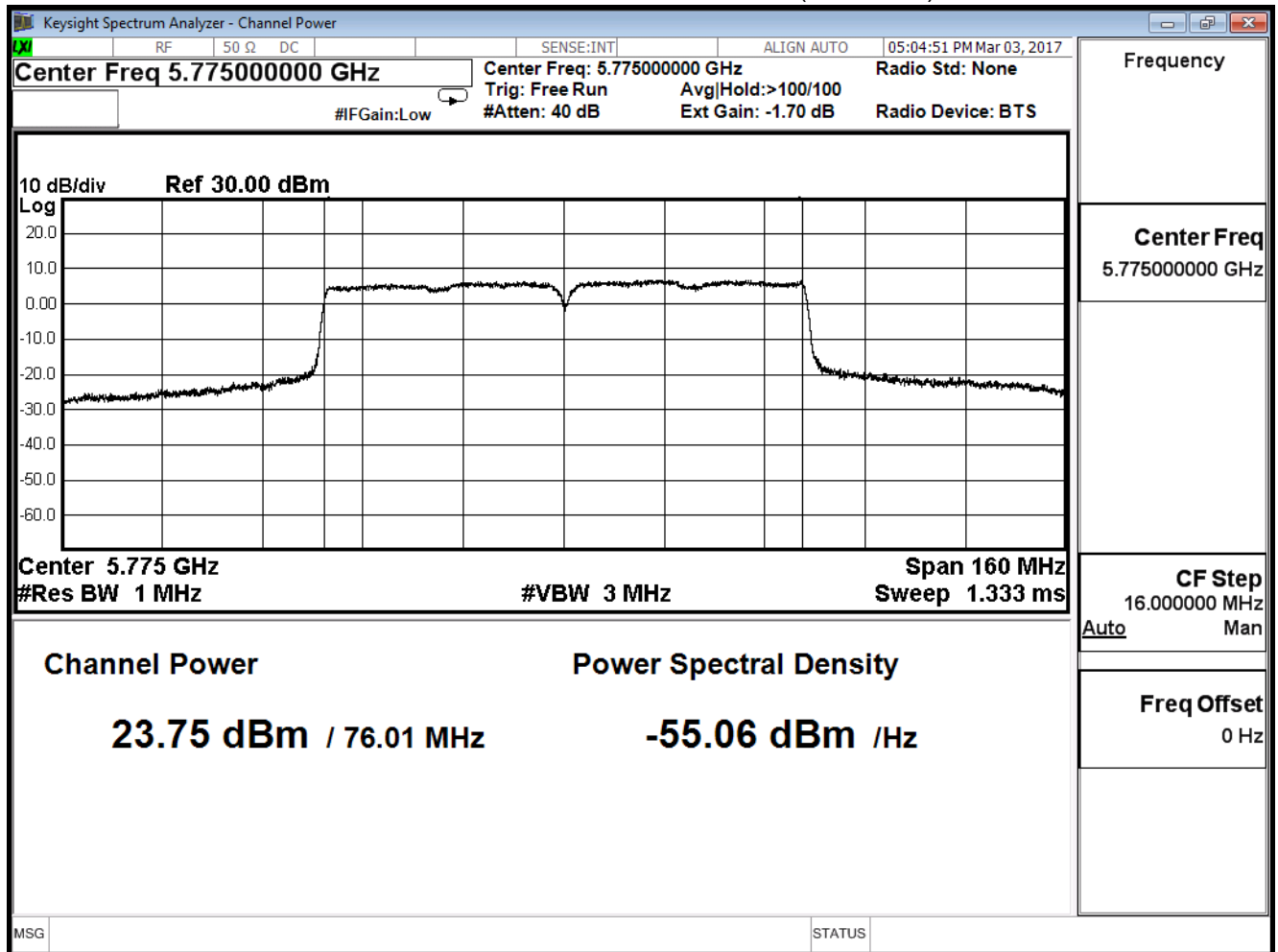
IEEE802.11ac 80MHz (ANT 3)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
155	5775	23.750	≤30

The worst emission of data rate is MCS0

Channel No	Frequency (MHz)	MCS Index										Required Limit
		0	1	2	3	4	5	6	7	8	9	
155	5775	23.750	23.7000	23.320	23.110	23.020	22.900	22.800	22.620	22.410	22.120	≤30dBm

Peak transmit Power - Channel 155 (5775MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 2: Tx_AD P: AD890326010-2LF_ MIMO Mode (802.11 n20/40)		
Date of Test	2017/03/03	Test Site	SR10-H

IEEE802.11ac 80MHz (ANT 0+1+2+3)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
155	5775	29.811	≤30

Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 3: Tx_ADP: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/03/03	Test Site	SR10-H

IEEE 802.11n 20MHz (ANT 0)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
149	5745	23.250	≤29.38
157	5785	23.260	≤29.38
165	5825	23.320	≤29.38

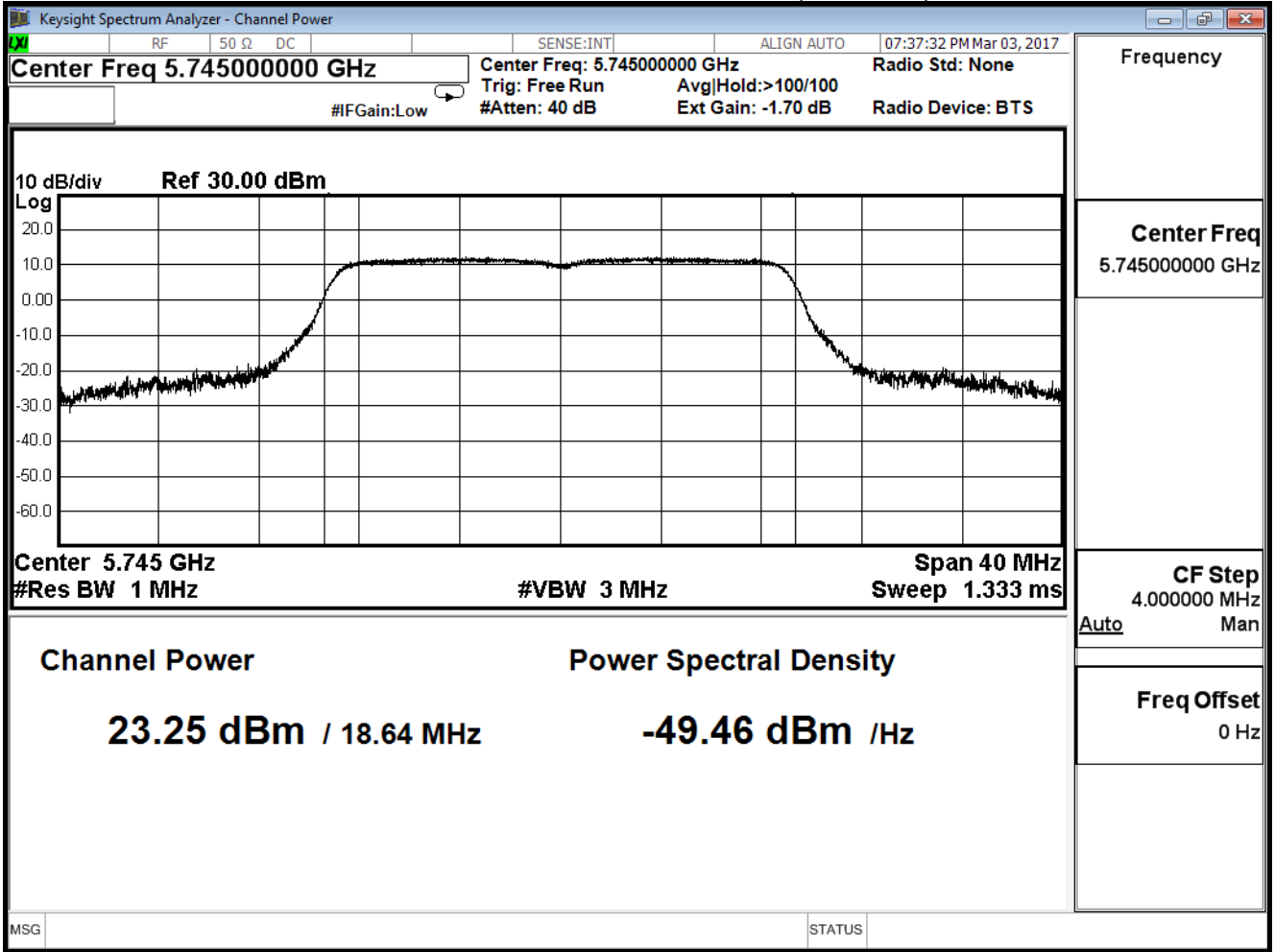
The worst emission of data rate is MCS 0

Peak Power Output (dBm)										
Channel No	Frequency (MHz)	MCS Index								Required Limit
		0	1	2	3	4	5	6	7	
149	5745	23.250	--	--	--	--	--	--	--	≤29.38dBm
157	5785	23.260	23.200	23.110	23.010	22.900	23.770	23.620	23.550	
165	5825	23.320	--	--	--	--	--	--	--	

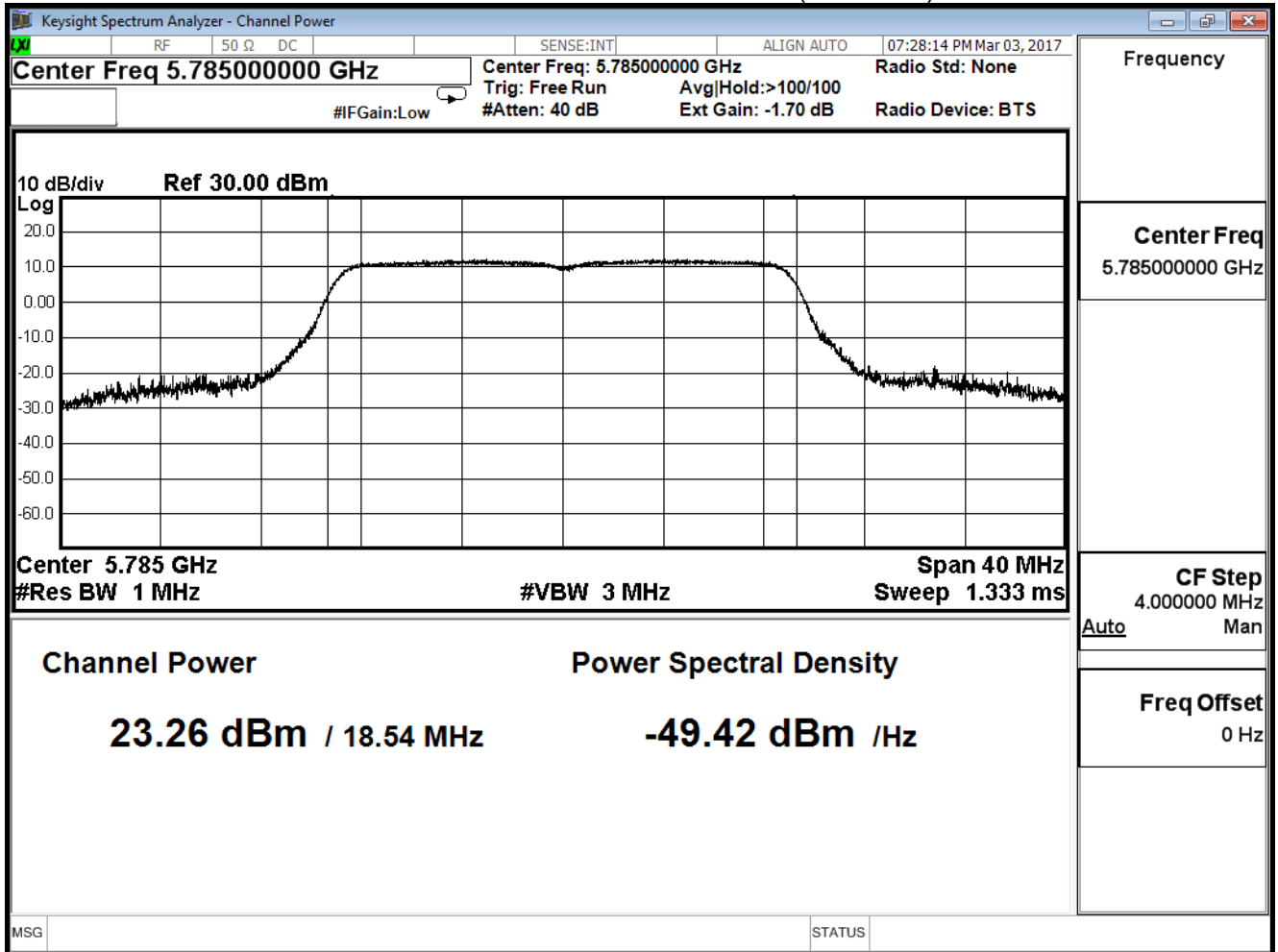
Directional gain=10log(ANT N)+Gain=4.77+1.85=6.62

Limit =30dBm-(6.62dBi-6dBi)=29.38dBm

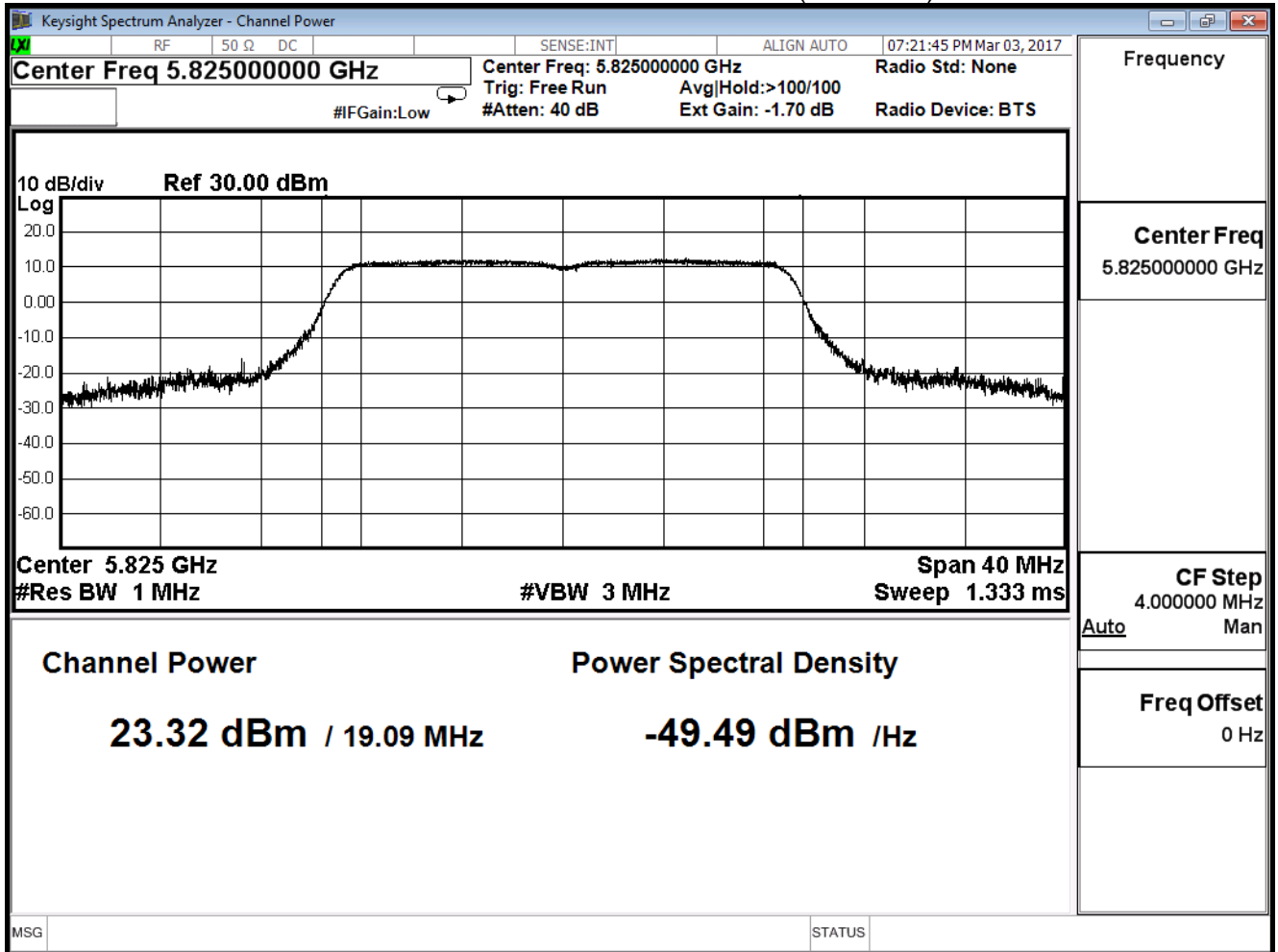
Peak transmit Power - Channel 149 (5745MHz)



Peak transmit Power - Channel 157 (5785MHz)



Peak transmit Power - Channel 165 (5825MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 3: Tx_ADP: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/03/03	Test Site	SR10-H

IEEE 802.11n 20MHz (ANT 1)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
149	5745	23.220	≤29.38
157	5785	23.260	≤29.38
165	5825	23.300	≤29.38

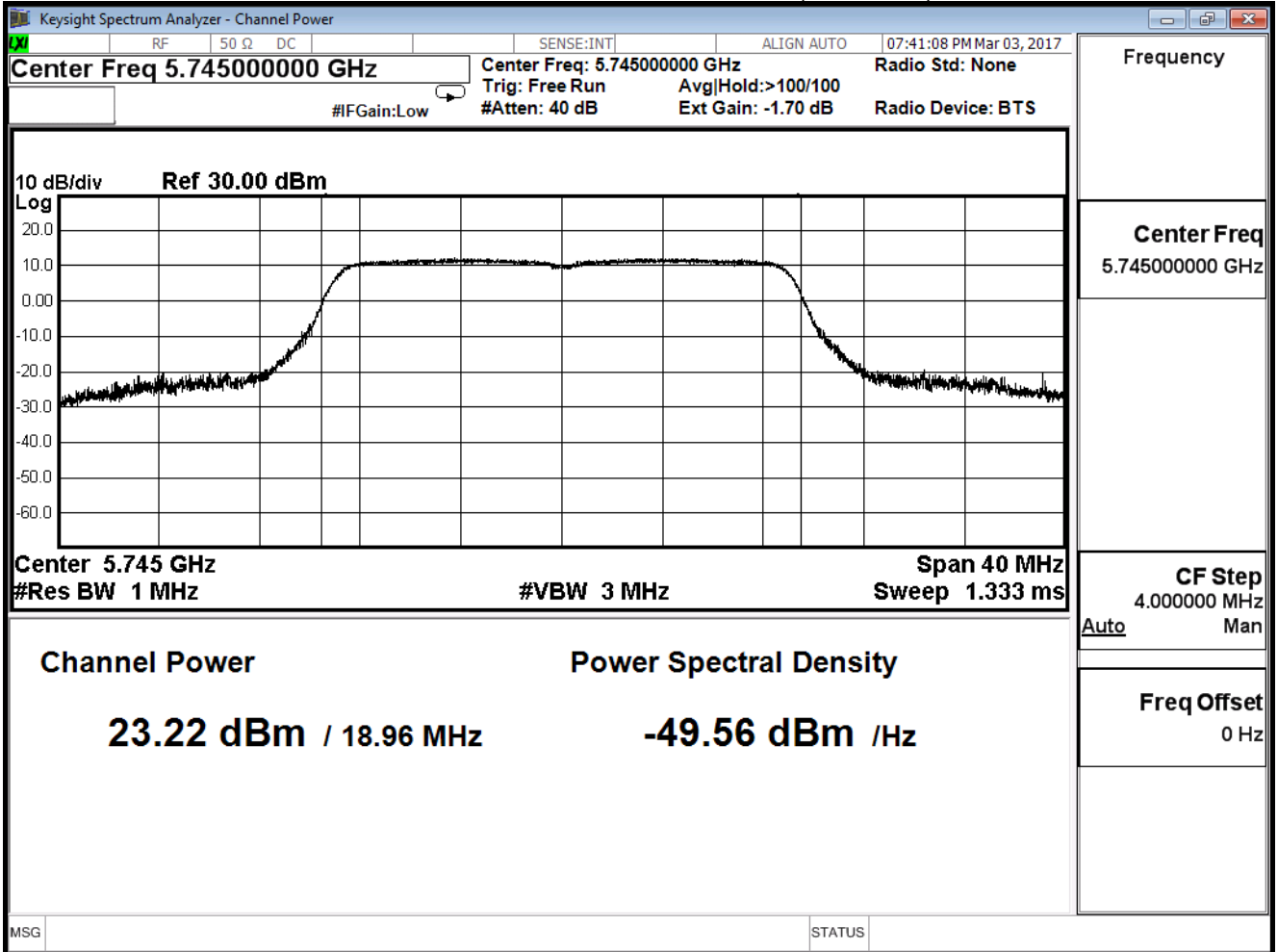
The worst emission of data rate is MCS 0

Peak Power Output (dBm)										
Channel No	Frequency (MHz)	MCS Index								Required Limit
		0	1	2	3	4	5	6	7	
149	5745	23.220	--	--	--	--	--	--	--	≤29.38dBm
157	5785	23.260	23.200	23.110	23.020	22.930	22.810	22.730	22.660	
165	5825	23.300	--	--	--	--	--	--	--	

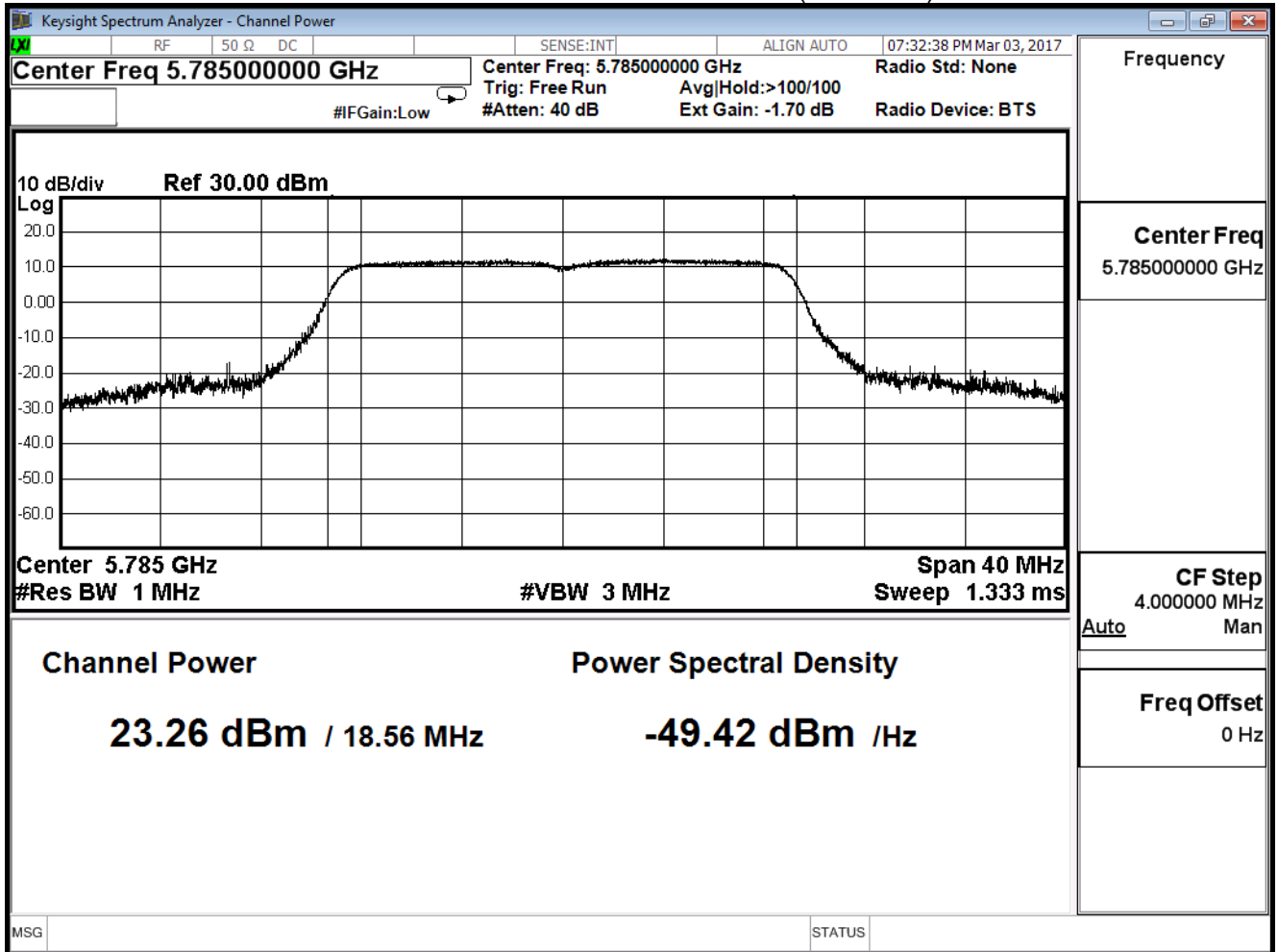
Directional gain=10log(ANT N)+Gain=4.77+1.85=6.62

Limit =30dBm-(6.62dBi-6dBi)=29.38dBm

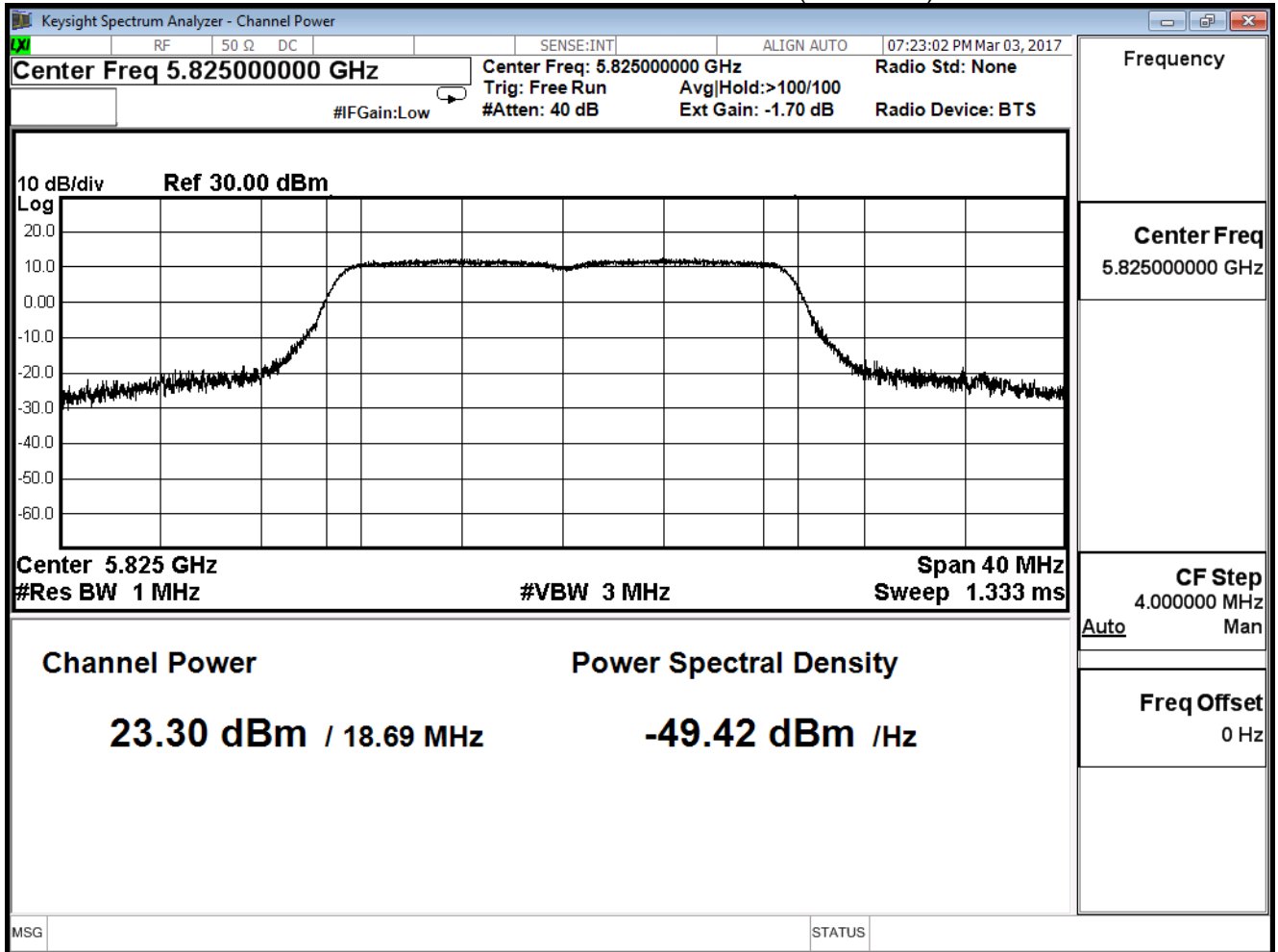
Peak transmit Power - Channel 149 (5745MHz)



Peak transmit Power - Channel 157 (5785MHz)



Peak transmit Power - Channel 165 (5825MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 3: Tx_ADP: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/03/03	Test Site	SR10-H

IEEE 802.11n 20MHz (ANT 2)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
149	5745	23.220	≤29.38
157	5785	23.230	≤29.38
165	5825	23.350	≤29.38

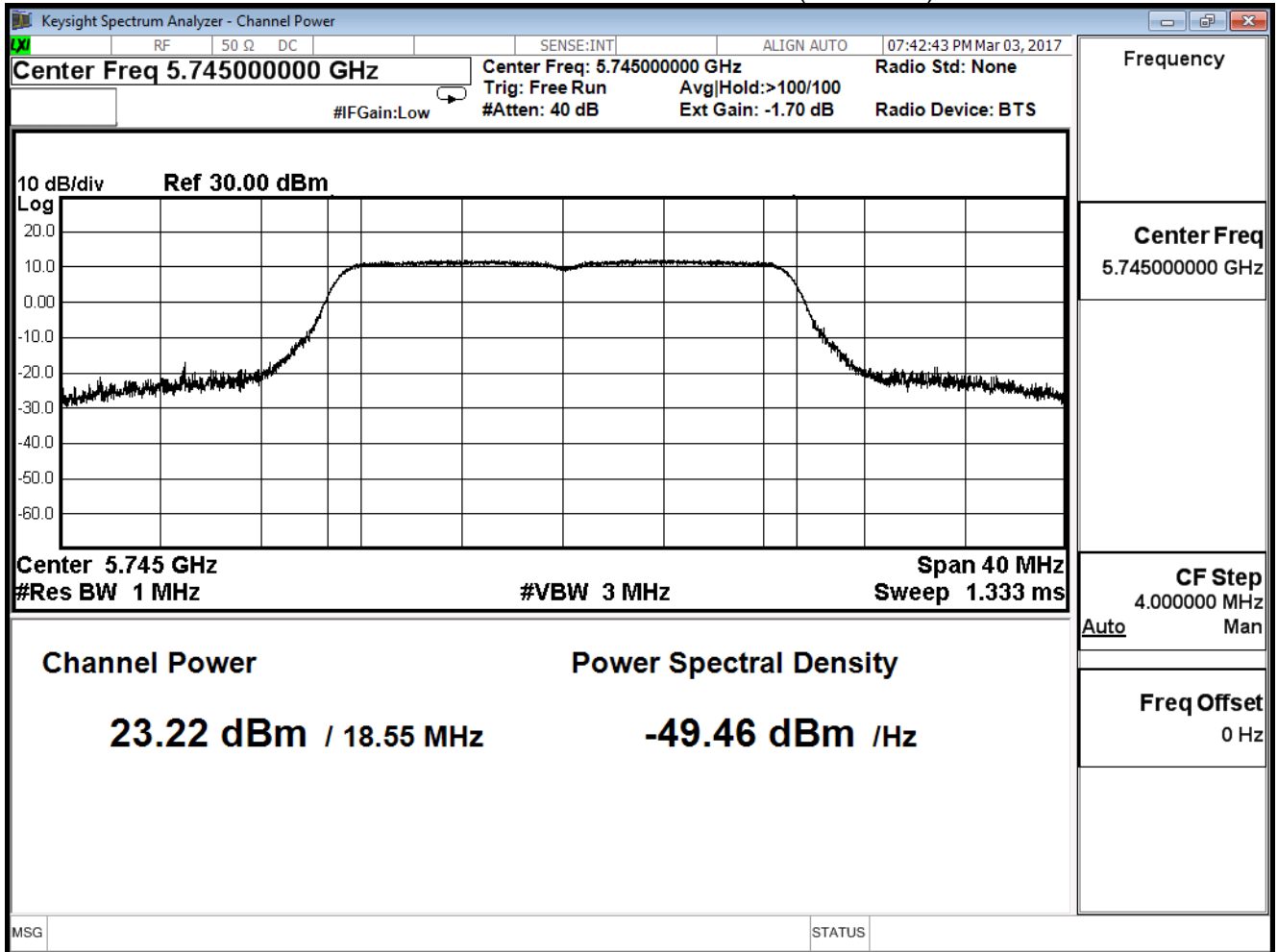
The worst emission of data rate is MCS 0

Peak Power Output (dBm)										
Channel No	Frequency (MHz)	MCS Index								Required Limit
		0	1	2	3	4	5	6	7	
149	5745	23.220	--	--	--	--	--	--	--	≤29.38dBm
157	5785	23.230	23.200	23.110	23.010	22.910	22.860	22.720	22.550	
165	5825	23.350	--	--	--	--	--	--	--	

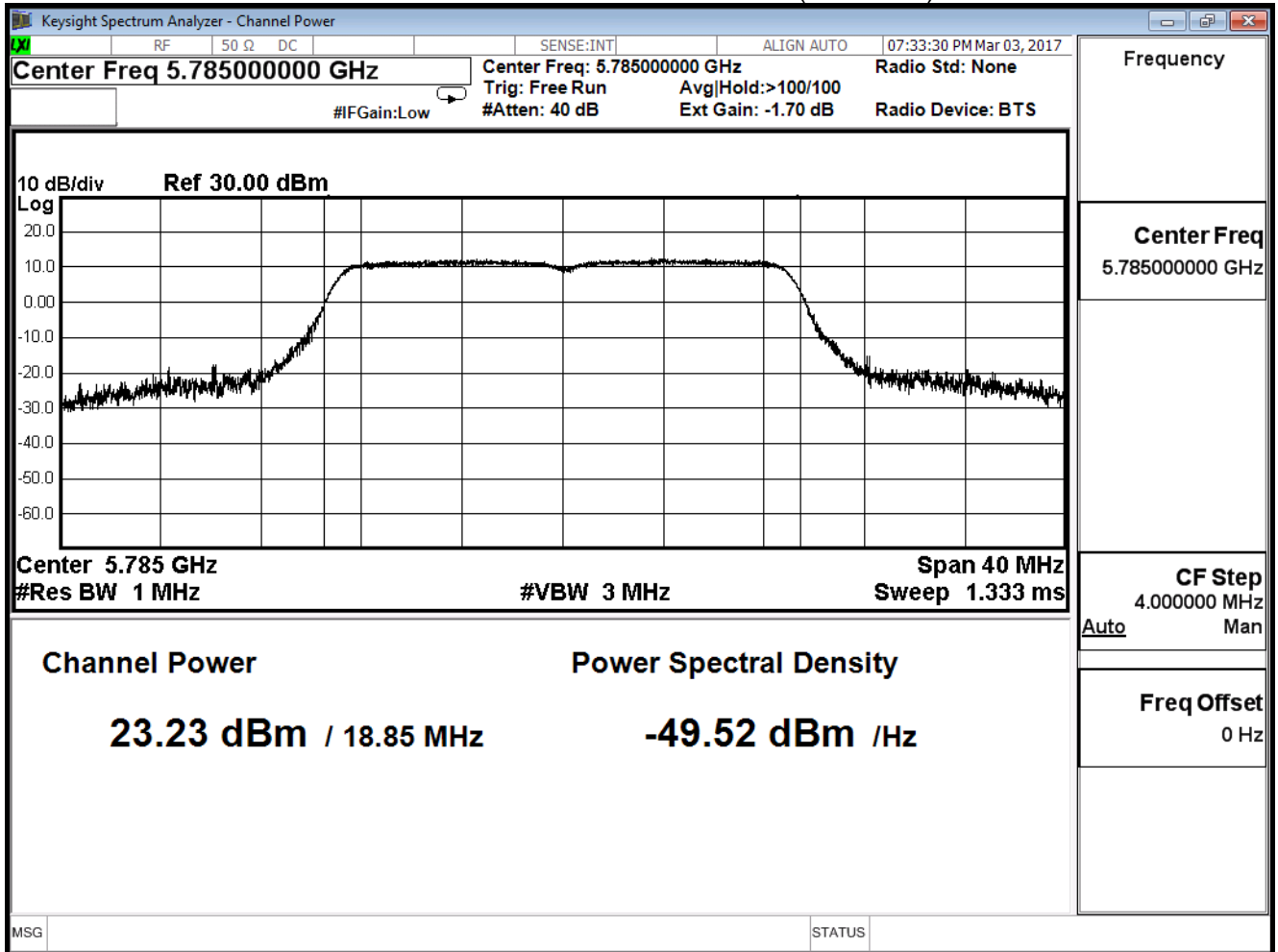
Directional gain=10log(ANT N)+Gain=4.77+1.85=6.62

Limit =30dBm-(6.62dBi-6dBi)=29.38dBm

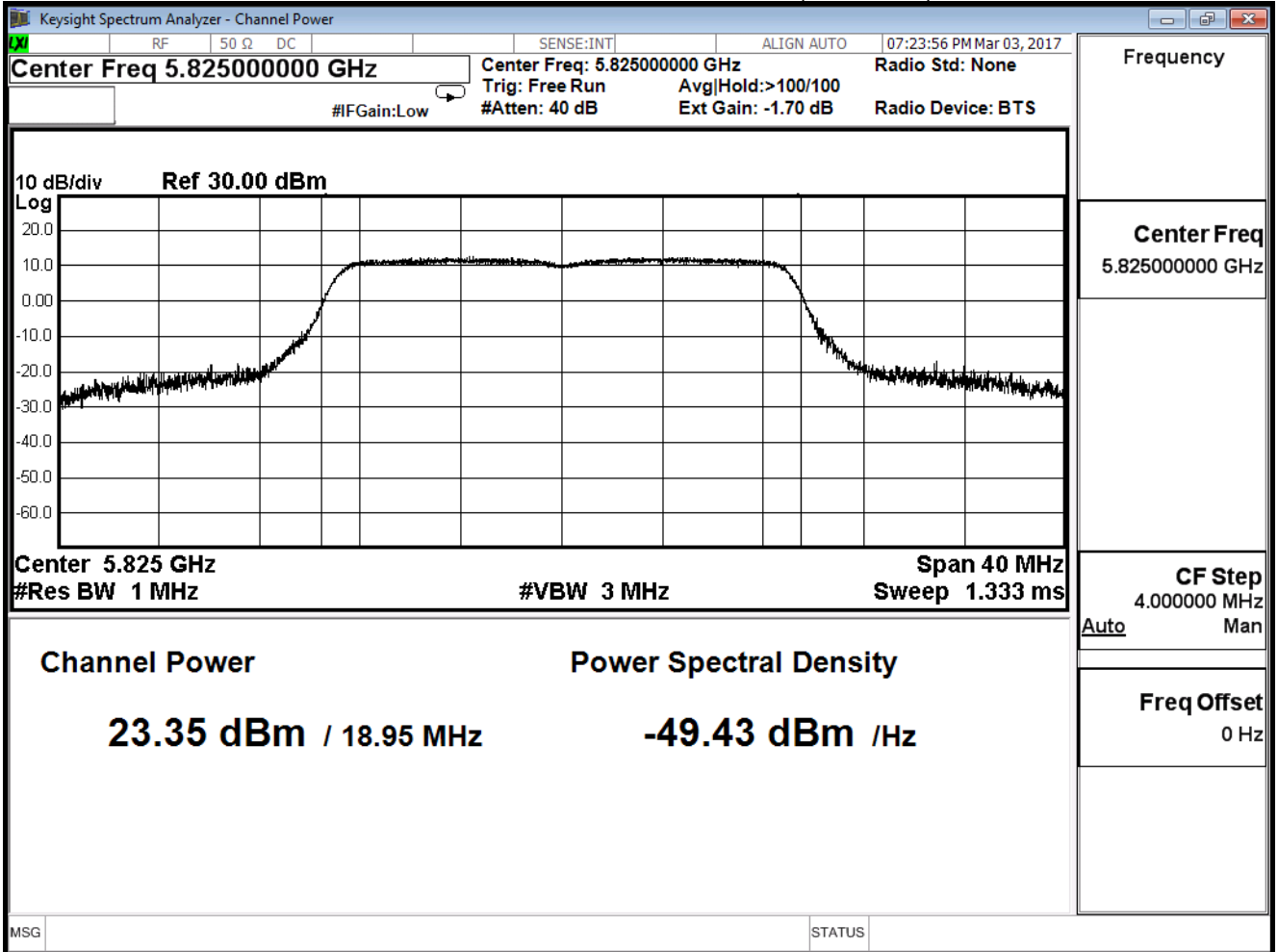
Peak transmit Power - Channel 149 (5745MHz)



Peak transmit Power - Channel 157 (5785MHz)



Peak transmit Power - Channel 165 (5825MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 3: Tx_ADP: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/03/03	Test Site	SR10-H

IEEE 802.11n 20MHz (ANT 3)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
149	5745	23.240	≤29.38
157	5785	23.300	≤29.38
165	5825	23.320	≤29.38

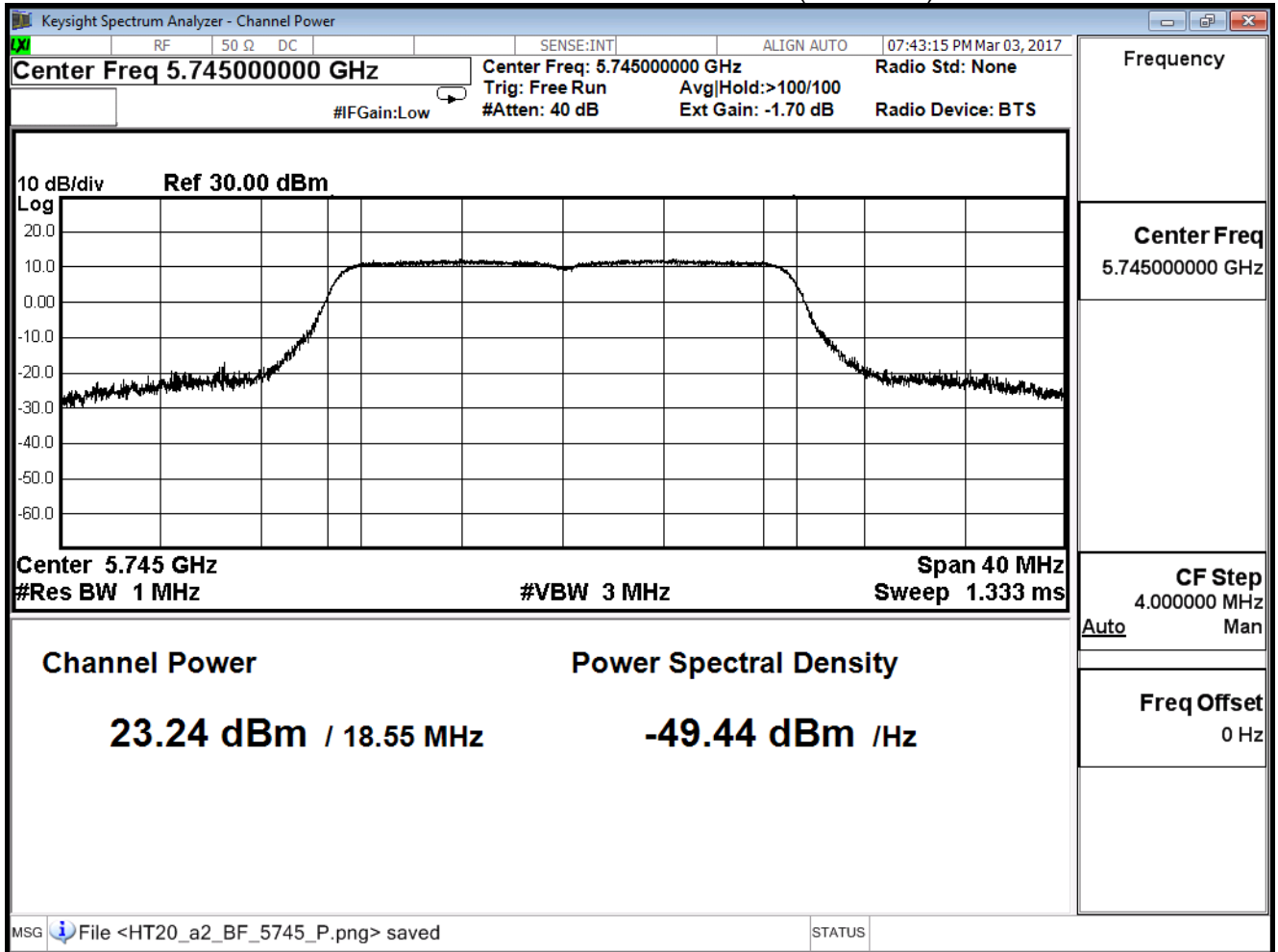
The worst emission of data rate is MCS 0

Peak Power Output (dBm)										
Channel No	Frequency (MHz)	MCS Index								Required Limit
		0	1	2	3	4	5	6	7	
149	5745	23.240	--	--	--	--	--	--	--	≤29.38dBm
157	5785	23.300	23.110	23.020	22.910	22.800	22.730	22.660	22.580	
165	5825	23.320	--	--	--	--	--	--	--	

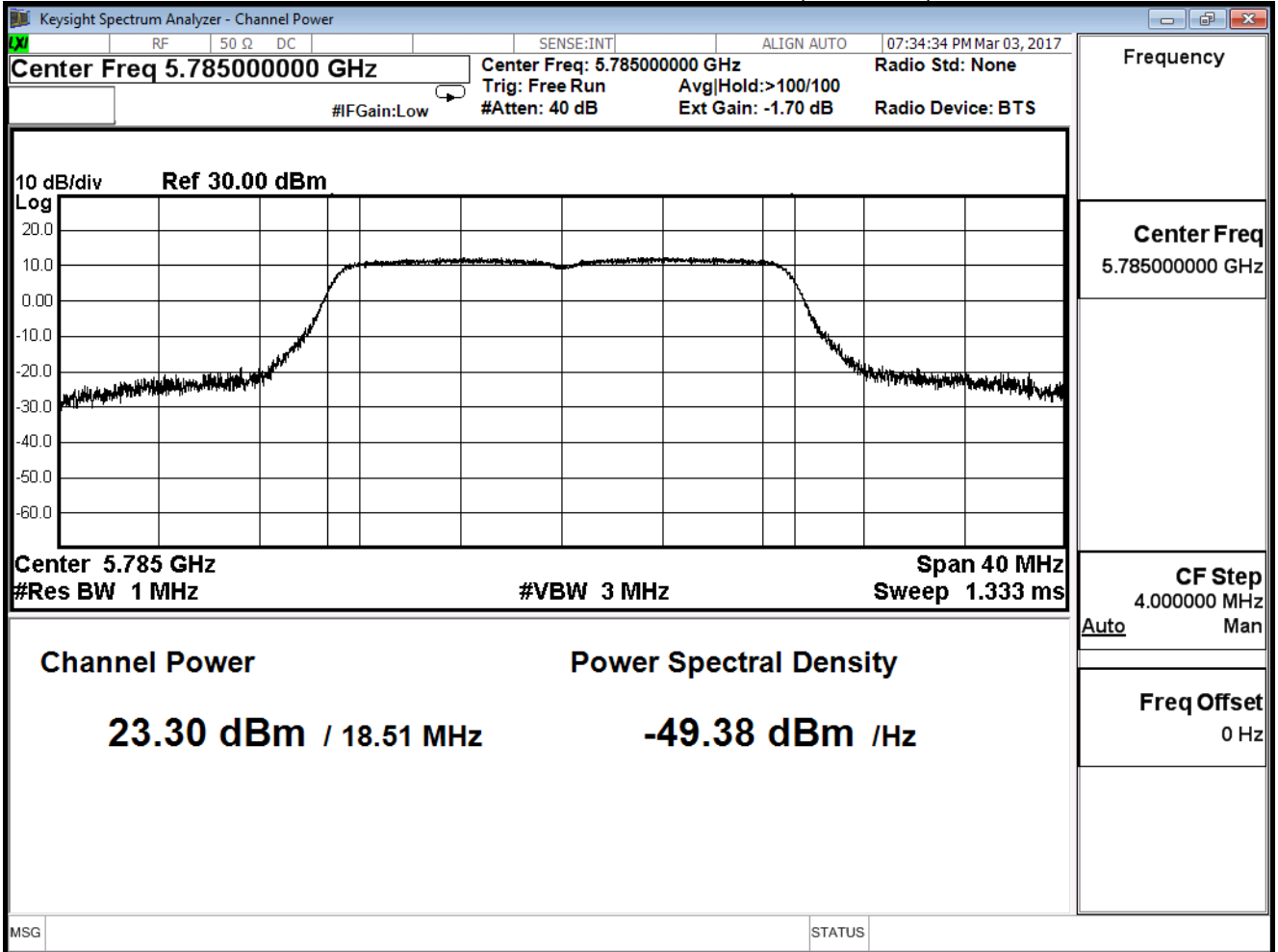
Directional gain=10log(ANT N)+Gain=4.77+1.85=6.62

Limit =30dBm-(6.62dBi-6dBi)=29.38dBm

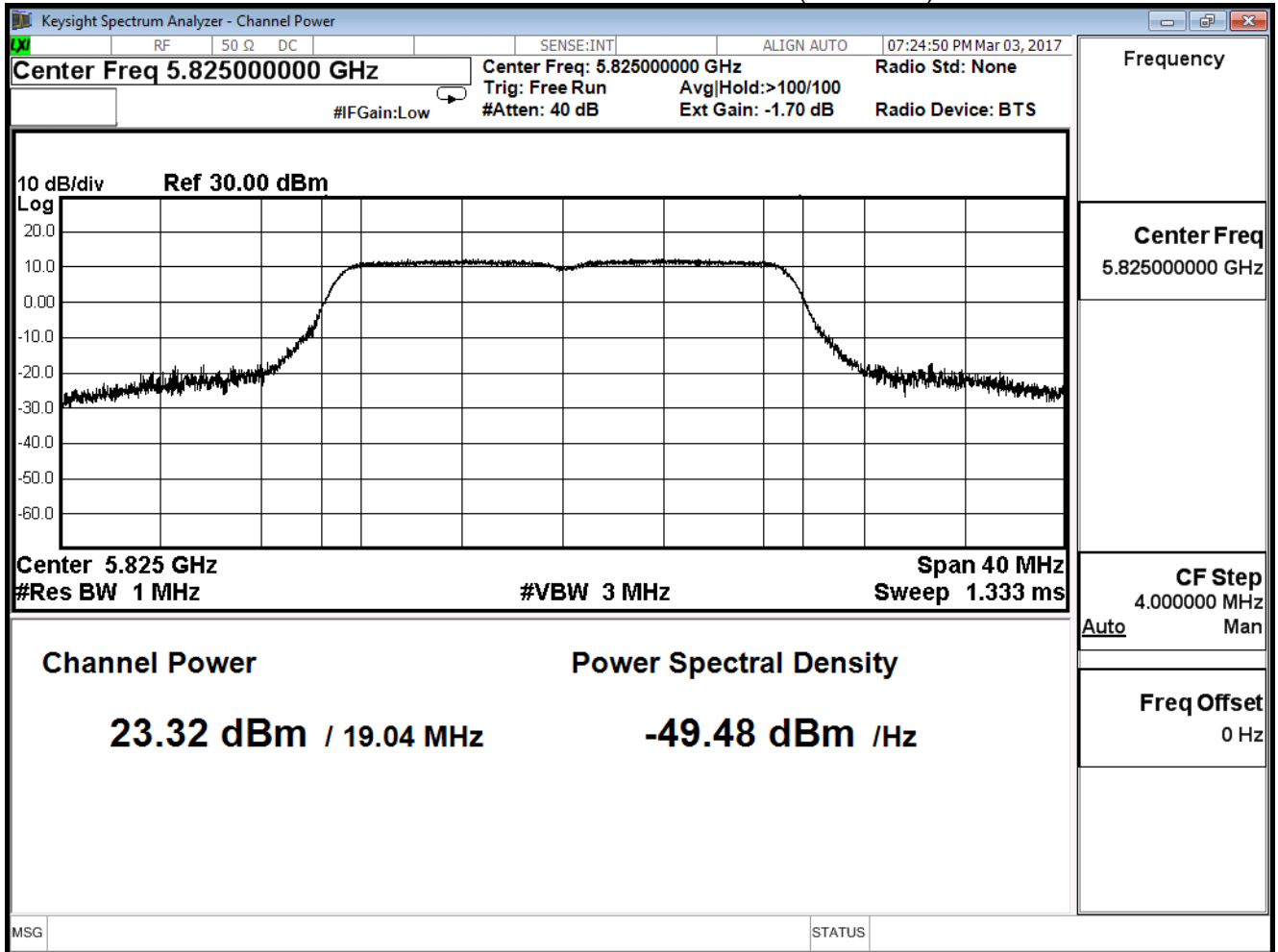
Peak transmit Power - Channel 149 (5745MHz)



Peak transmit Power - Channel 157 (5785MHz)



Peak transmit Power - Channel 165 (5825MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 3: Tx_ADP: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/03/03	Test Site	SR10-H

IEEE 802.11n 20MHz (ANT 0+1+2+3)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
149	5745	29.253	≤29.38
157	5785	29.283	≤29.38
165	5825	29.343	≤29.38

Directional gain= $10\log(\text{ANT } N)+\text{Gain}=4.77+1.85=6.62$

Limit = $30\text{dBm}-(6.62\text{dBi}-6\text{dBi})=29.38\text{dBm}$

Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 3: Tx_AD P: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/03/03	Test Site	SR10-H

IEEE802.11n 40MHz(ANT 0)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
151	5755	23.300	≤29.38
159	5795	23.350	≤29.38

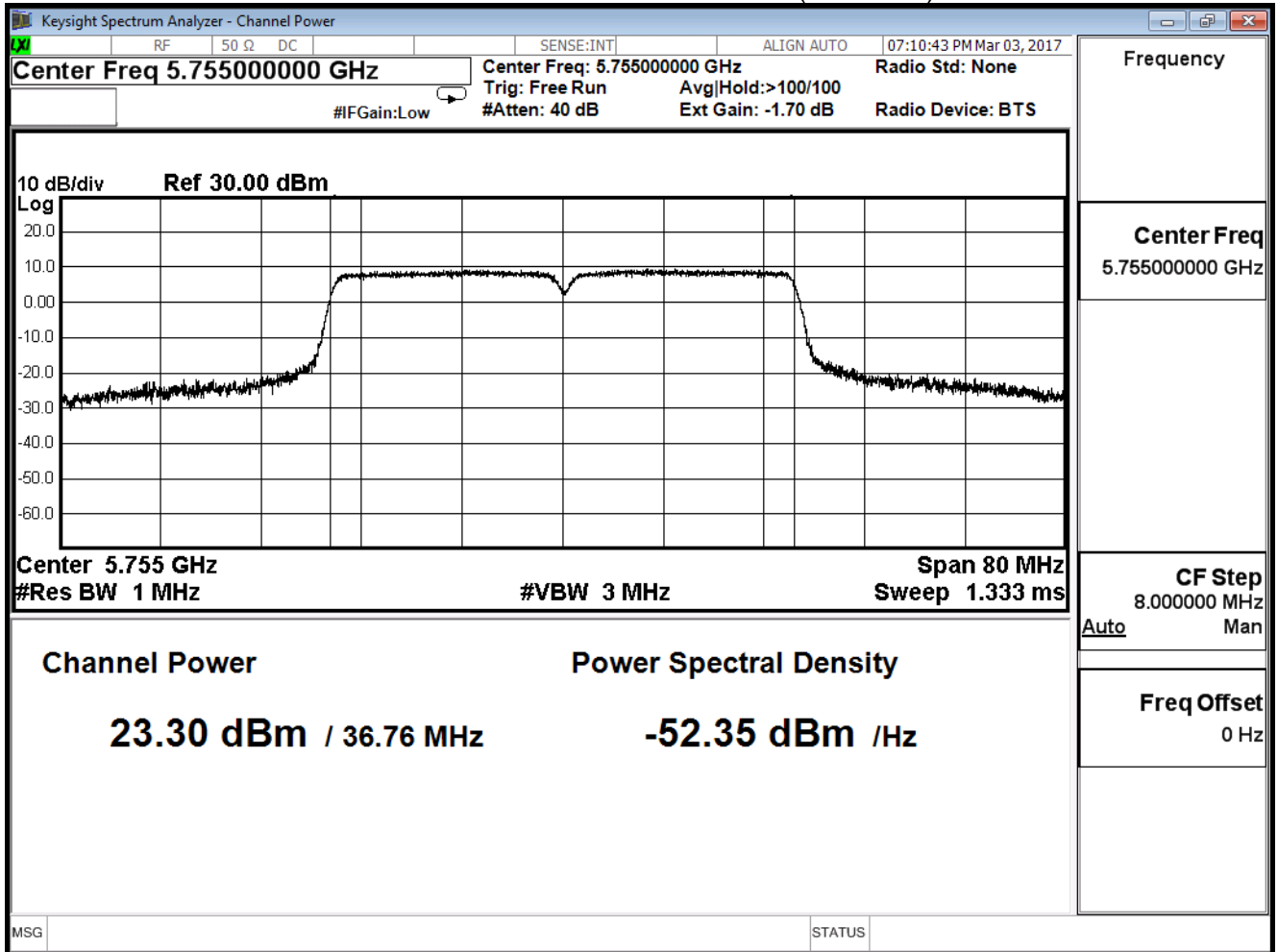
The worst emission of data rate is MCS 0

Channel No	Frequency (MHz)	MCS Index								Required Limit
		0	1	2	3	4	5	6	7	
151	5755	23.300	--	--	--	--	--	--	--	≤29.38dBm
159	5795	23.350	23.300	23.180	23.010	22.900	22.760	22.550	22.380	

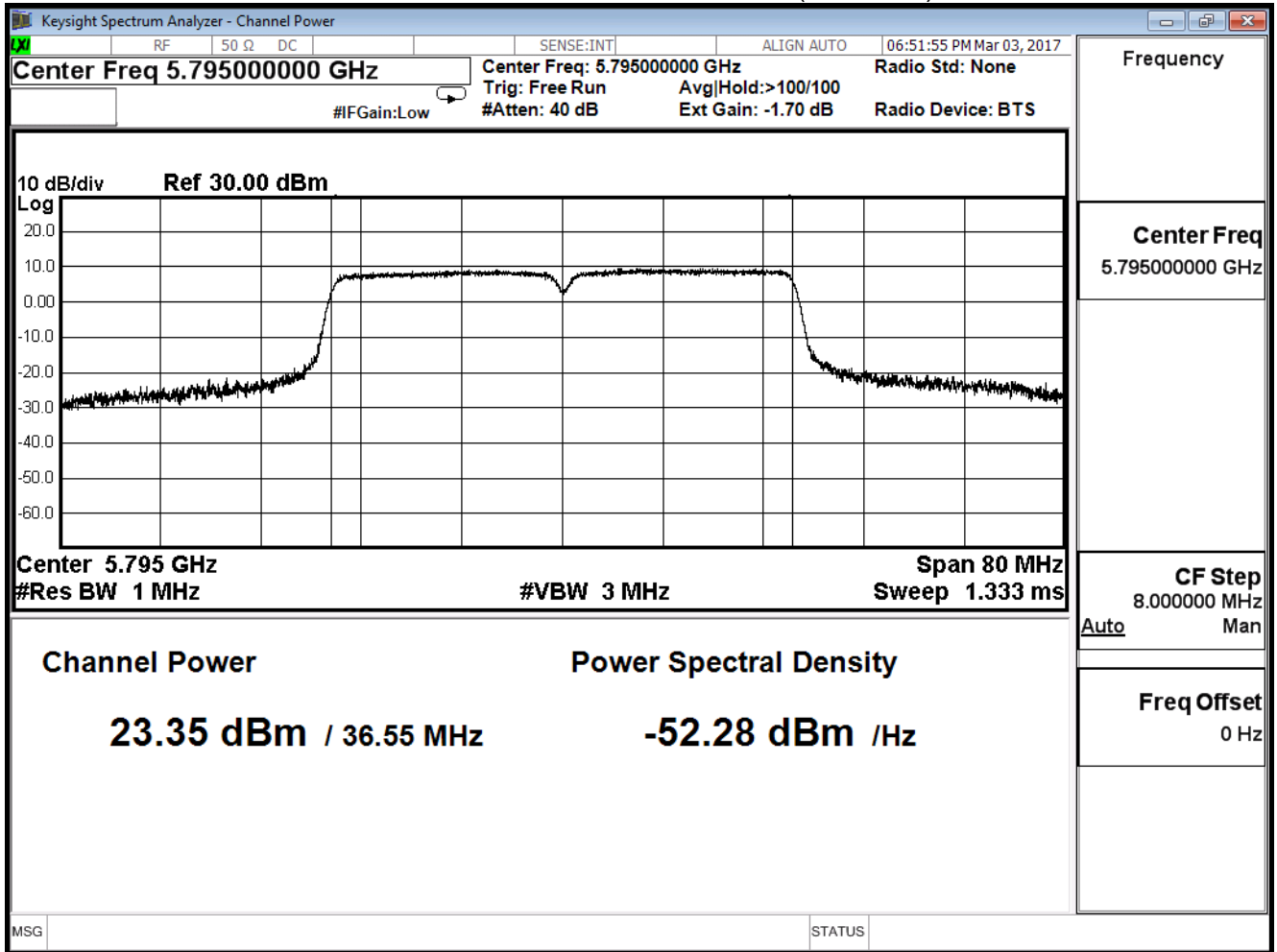
Directional gain=10log(ANT N)+Gain=4.77+1.85=6.62

Limit =30dBm-(6.62dBi-6dBi)=29.38dBm

Peak transmit Power - Channel 151 (5755MHz)



Peak transmit Power - Channel 159 (5795MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 3: Tx_ADP: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/03/03	Test Site	SR10-H

IEEE802.11n 40MHz(ANT 1)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
151	5755	23.280	≤29.38
159	5795	23.360	≤29.38

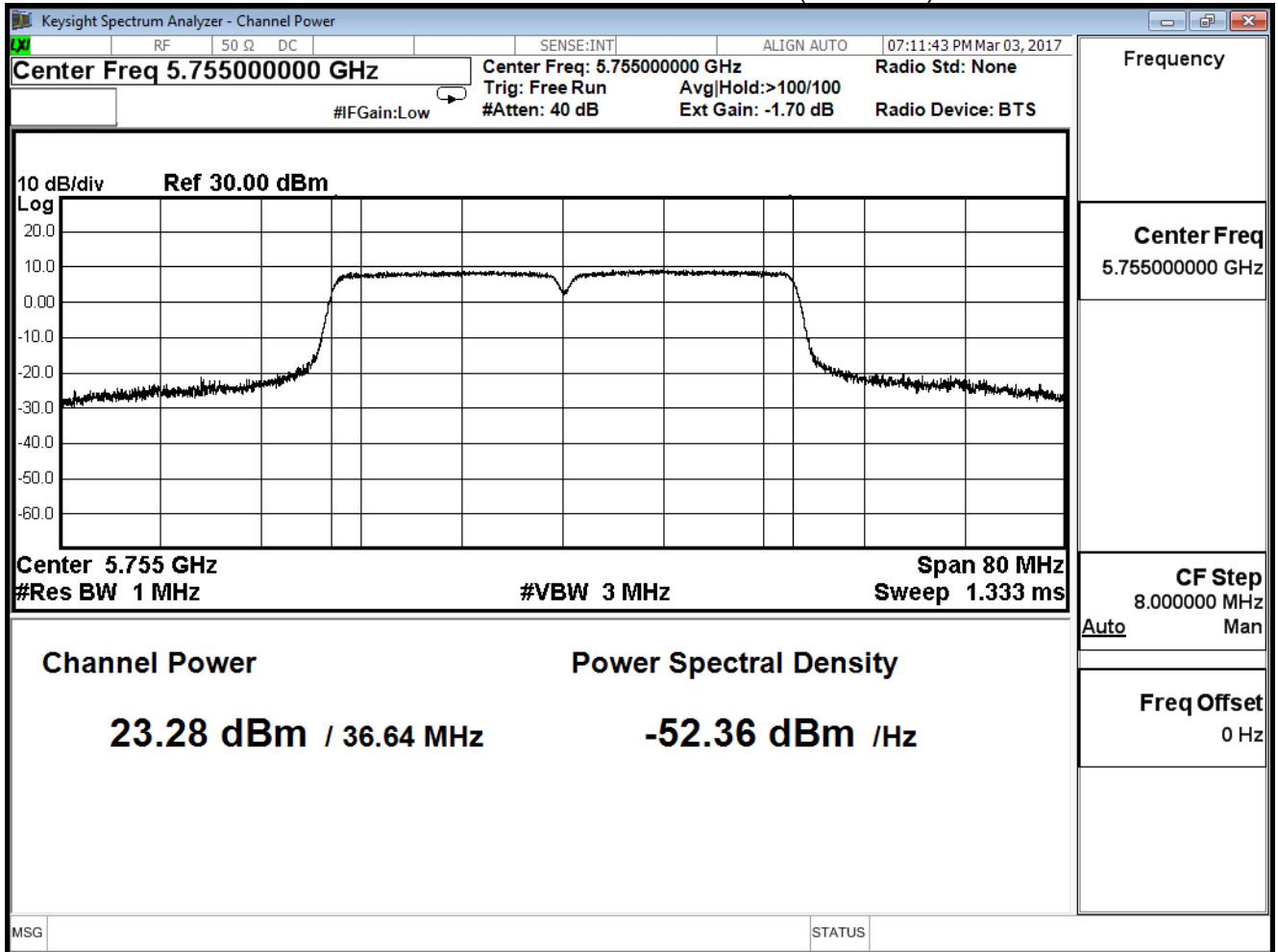
The worst emission of data rate is MCS 0

Channel No	Frequency (MHz)	MCS Index								Required Limit
		0	1	2	3	4	5	6	7	
151	5755	23.280	--	--	--	--	--	--	--	≤29.38dBm
159	5795	23.360	22.300	22.110	22.050	21.900	21.780	21.650	21.550	

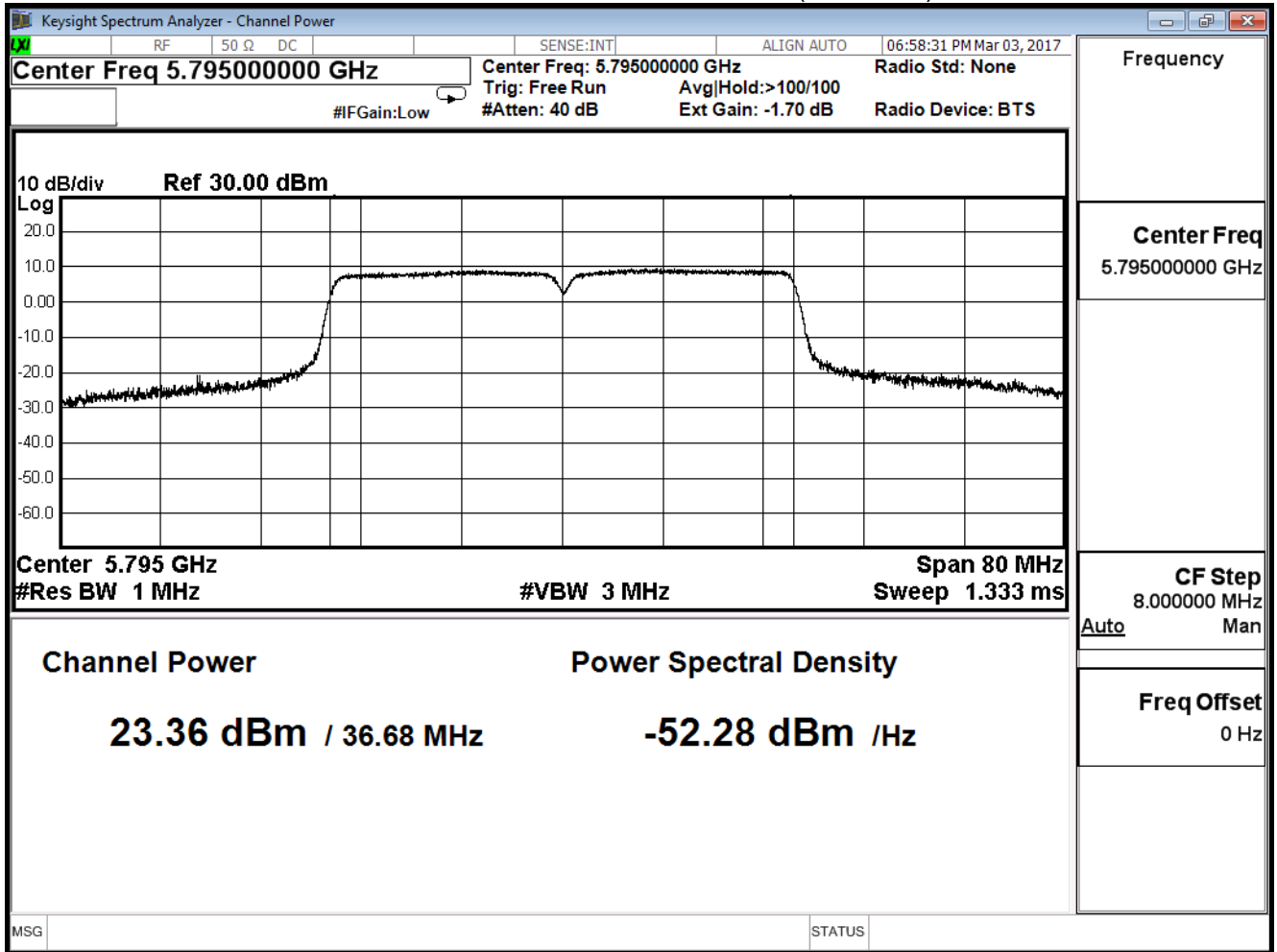
Directional gain=10log(ANT N)+Gain=4.77+1.85=6.62

Limit =30dBm-(6.62dBi-6dBi)=29.38dBm

Peak transmit Power - Channel 151 (5755MHz)



Peak transmit Power - Channel 159 (5795MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 3: Tx_ADP: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/03/03	Test Site	SR10-H

IEEE802.11n 40MHz(ANT 2)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
151	5755	23.250	≤29.38
159	5795	23.310	≤29.38

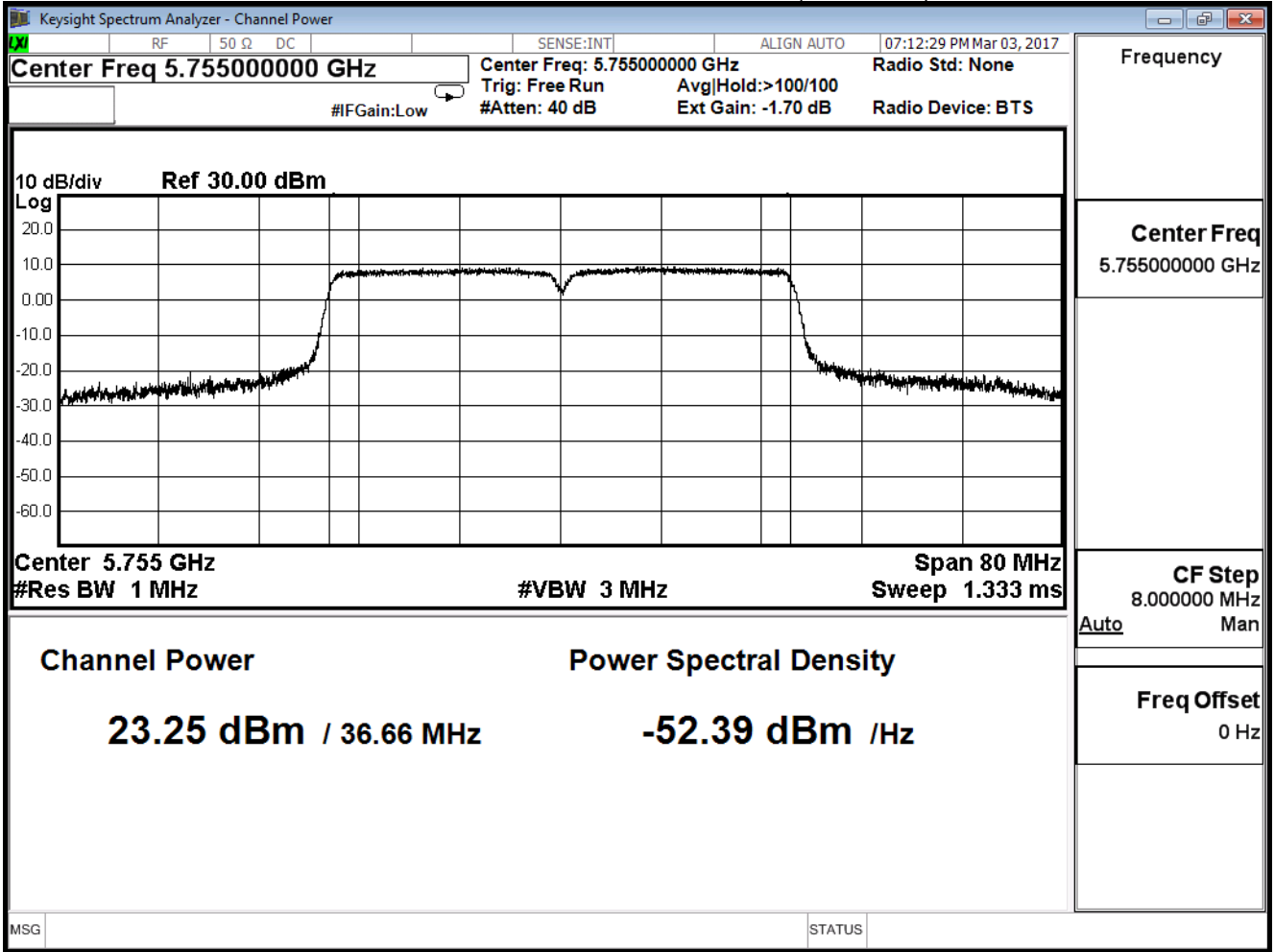
The worst emission of data rate is MCS 0

Channel No	Frequency (MHz)	MCS Index								Required Limit
		0	1	2	3	4	5	6	7	
151	5755	23.250	--	--	--	--	--	--	--	≤29.38dBm
159	5795	23.310	23.110	23.050	22.920	22.760	22.620	22.550	22.330	

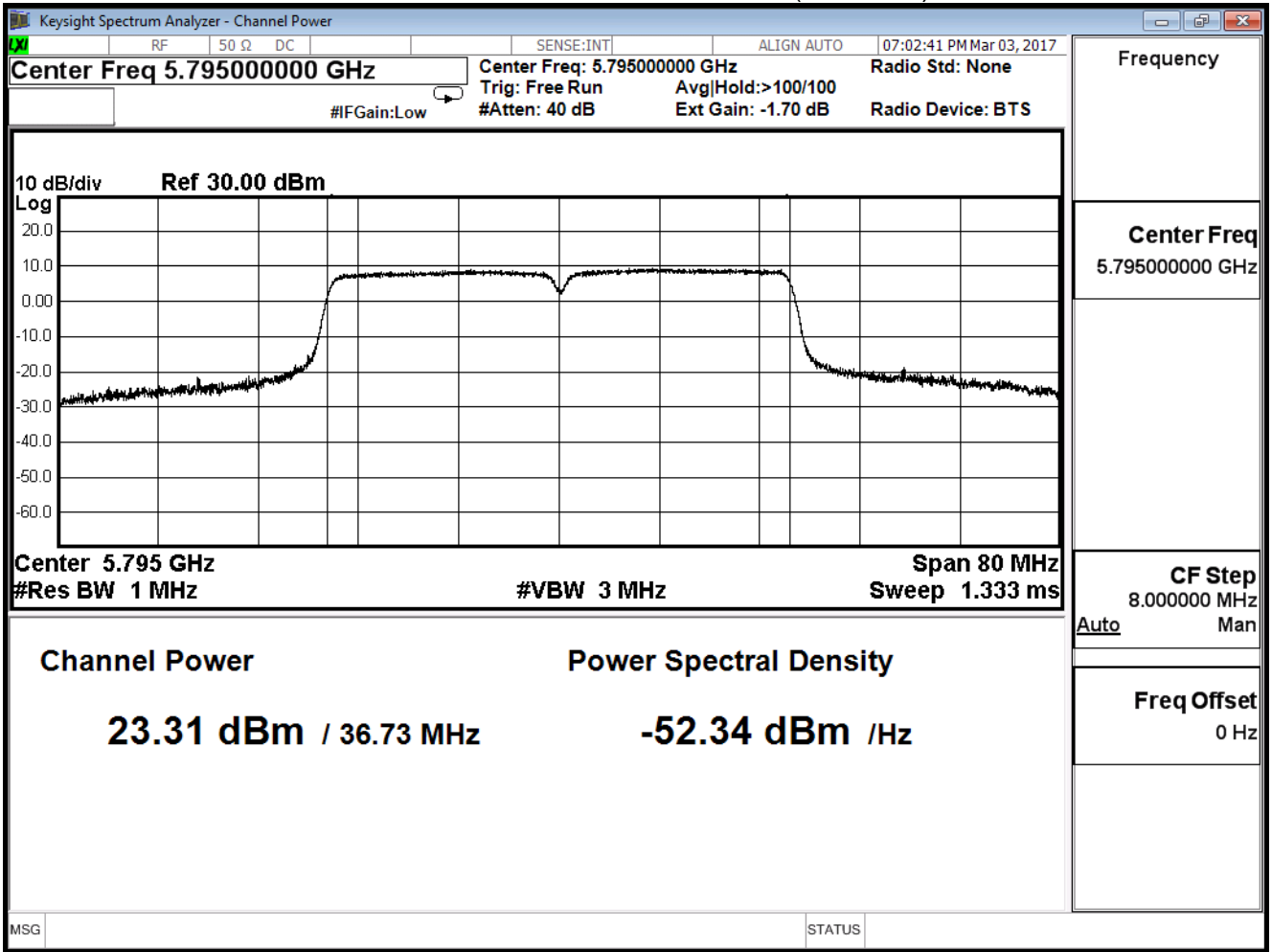
Directional gain=10log(ANT N)+Gain=4.77+1.85=6.62

Limit =30dBm-(6.62dBi-6dBi)=29.38dBm

Peak transmit Power - Channel 151 (5755MHz)



Peak transmit Power - Channel 159 (5795MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 3: Tx_ADP: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/03/03	Test Site	SR10-H

IEEE802.11n 40MHz(ANT 3)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
151	5755	23.220	≤29.38
159	5795	23.320	≤29.38

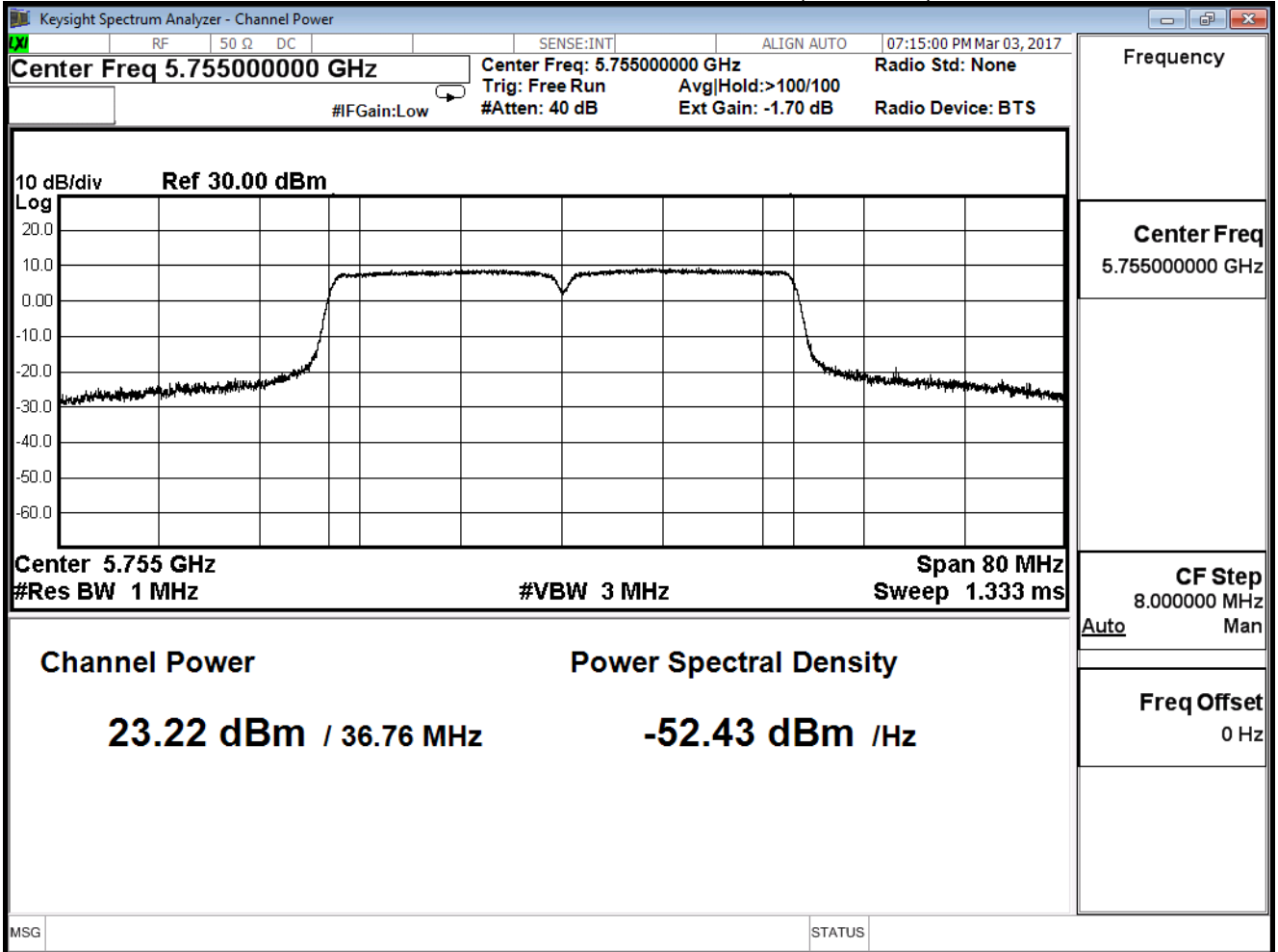
The worst emission of data rate is MCS 0

Channel No	Frequency (MHz)	MCS Index								Required Limit
		0	1	2	3	4	5	6	7	
151	5755	23.220	--	--	--	--	--	--	--	≤29.38dBm
159	5795	23.320	23.110	23.000	22.900	22.760	22.620	22.550	22.310	

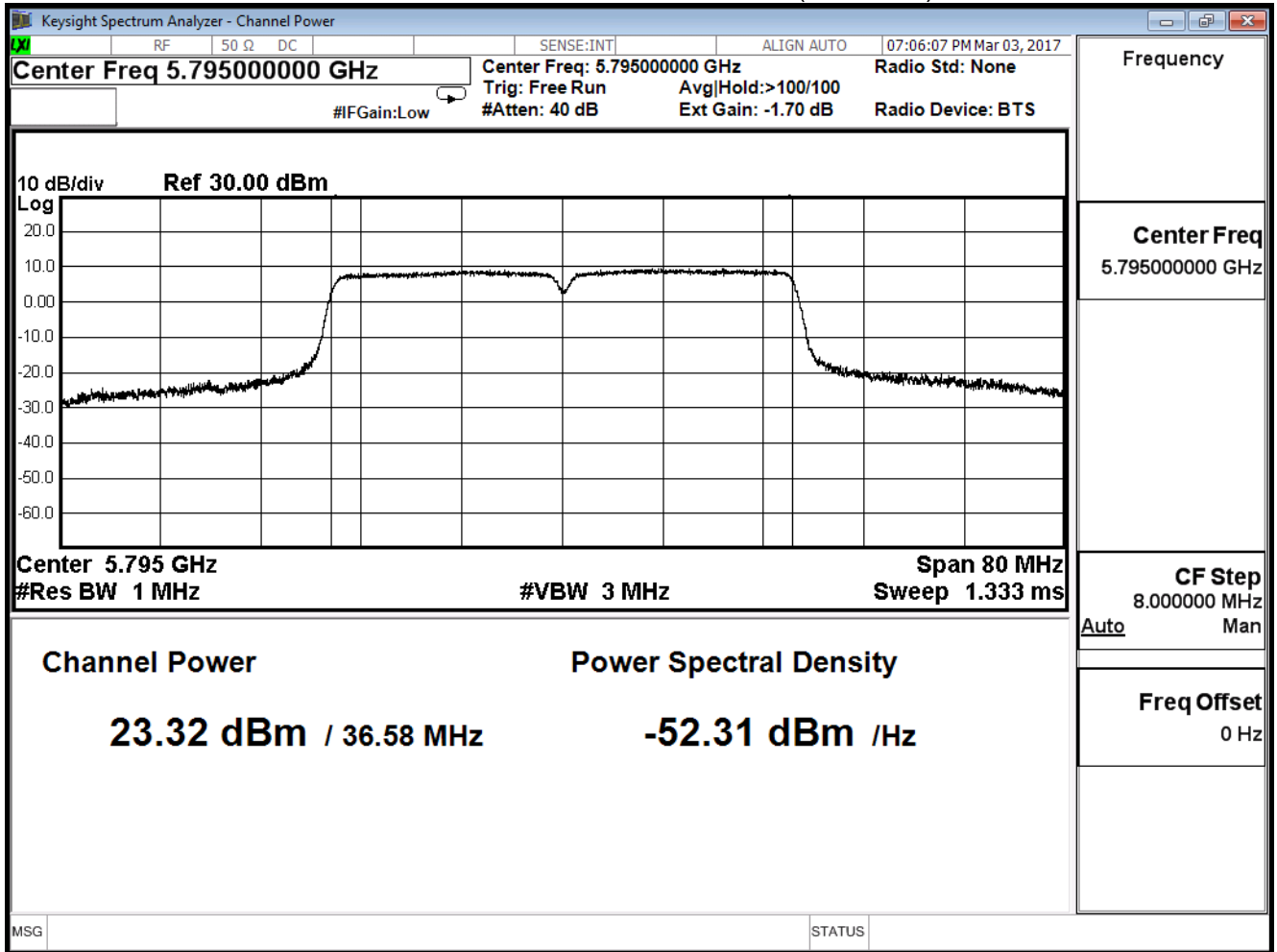
Directional gain=10log(ANT N)+Gain=4.77+1.85=6.62

Limit =30dBm-(6.62dBi-6dBi)=29.38dBm

Peak transmit Power - Channel 151 (5755MHz)



Peak transmit Power - Channel 159 (5795MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 3: Tx_AD P: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/03/03	Test Site	SR10-H

IEEE802.11n 40MHz(ANT 0+1+2+3)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
151	5755	29.283	≤29.38
159	5795	29.356	≤29.38

$$\text{Directional gain} = 10 \log(\text{ANT N}) + \text{Gain} = 4.77 + 1.85 = 6.62$$

$$\text{Limit} = 30 \text{dBm} - (6.62 \text{dBi} - 6 \text{dBi}) = 29.38 \text{dBm}$$

Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 3: Tx_ADP: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/03/03	Test Site	SR10-H

IEEE802.11ac 80MHz (ANT 0)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
155	5775	23.320	≤29.38

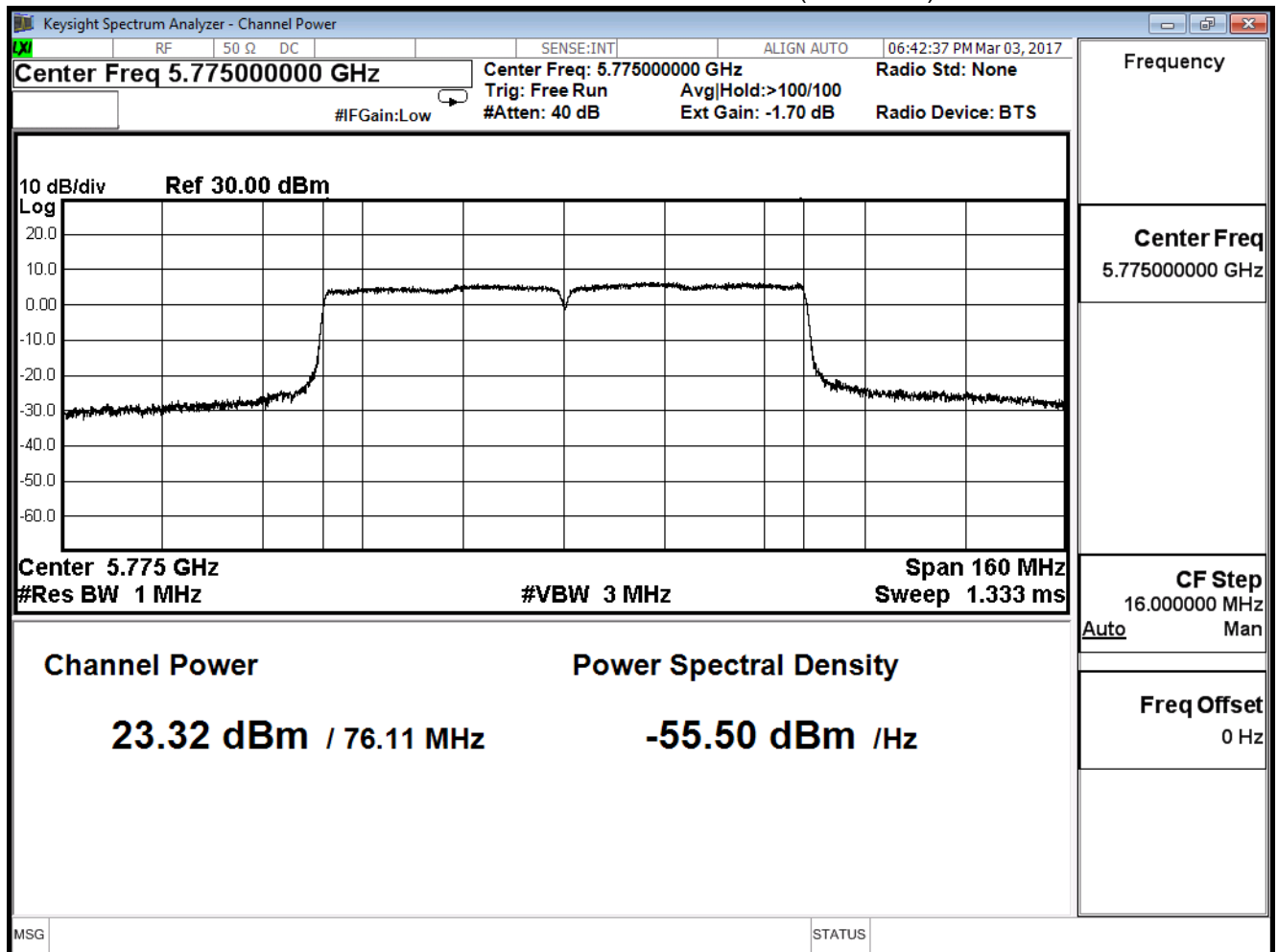
The worst emission of data rate is MCS0

Channel No	Frequency (MHz)	MCS Index										Required Limit
		0	1	2	3	4	5	6	7	8	9	
155	5775	23.320	23.110	23.010	22.870	22.660	22.510	22.380	22.210	22.010	21.920	≤29.38dBm

Directional gain=10log(ANT N)+Gain=4.77+1.85=6.62

Limit =30dBm-(6.62dBi-6dBi)=29.38dBm

Peak transmit Power - Channel 155 (5775MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 3: Tx_AD P: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/03/03	Test Site	SR10-H

IEEE802.11ac 80MHz (ANT 1)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
155	5775	23.280	≤29.38

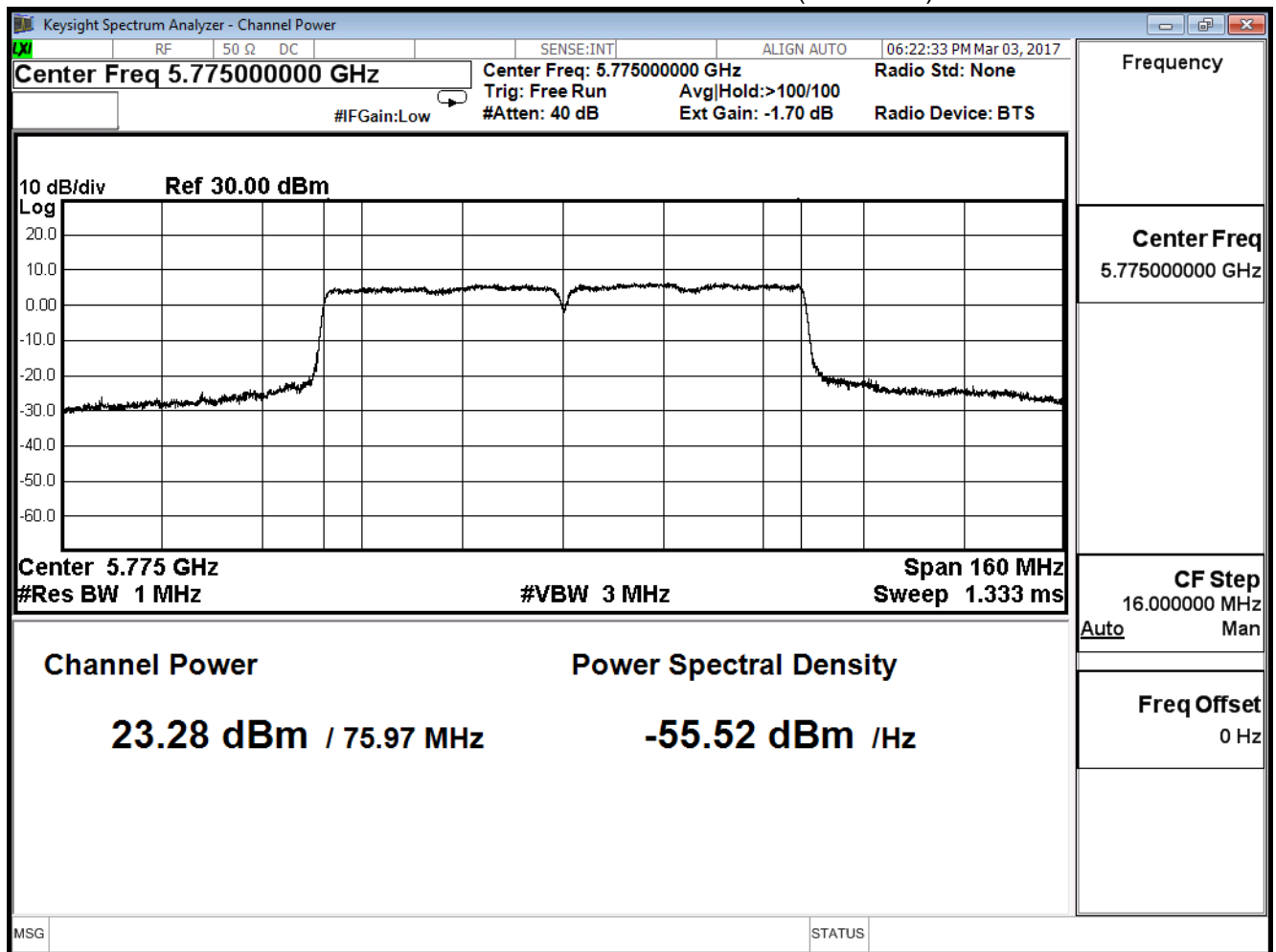
The worst emission of data rate is MCS0

Channel No	Frequency (MHz)	MCS Index										Required Limit
		0	1	2	3	4	5	6	7	8	9	
155	5775	23.280	23.110	23.000	22.880	22.550	22.310	22.110	22.000	21.860	21.700	≤29.38dBm

Directional gain=10log(ANT N)+Gain=4.77+1.85=6.62

Limit =30dBm-(6.62dBi-6dBi)=29.38dBm

Peak transmit Power - Channel 155 (5775MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 3: Tx_ADP: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/03/03	Test Site	SR10-H

IEEE802.11ac 80MHz (ANT 2)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
155	5775	23.310	≤29.38

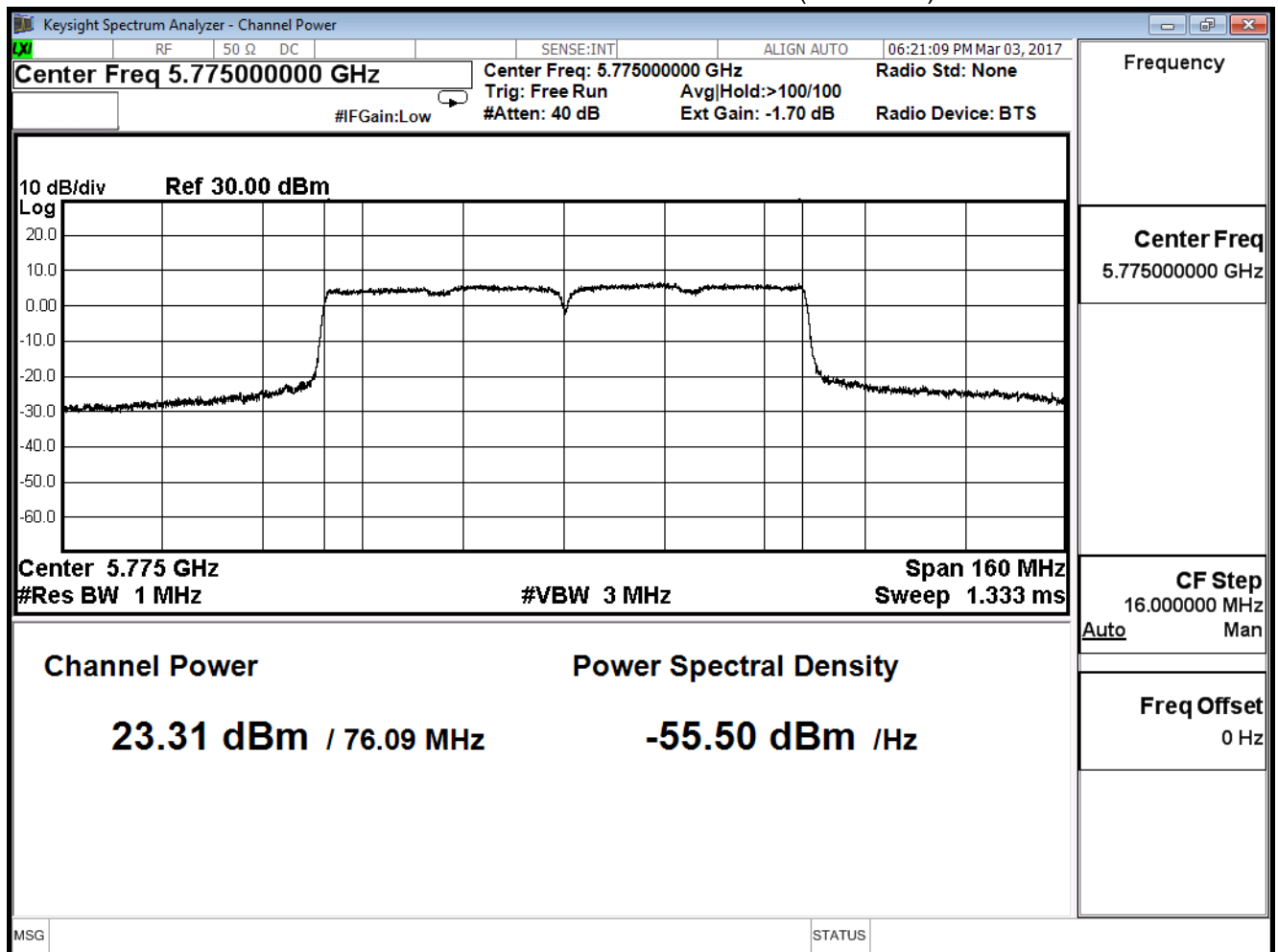
The worst emission of data rate is MCS0

Channel No	Frequency (MHz)	MCS Index										Required Limit
		0	1	2	3	4	5	6	7	8	9	
155	5775	23.310	23.080	23.000	22.880	22.710	22.580	22.430	22.180	22.010	21.850	≤29.38dBm

Directional gain=10log(ANT N)+Gain=4.77+1.85=6.62

Limit =30dBm-(6.62dBi-6dBi)=29.38dBm

Peak transmit Power - Channel 155 (5775MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 3: Tx_ADP: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/03/03	Test Site	SR10-H

IEEE802.11ac 80MHz (ANT 3)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
155	5775	23.290	≤29.38

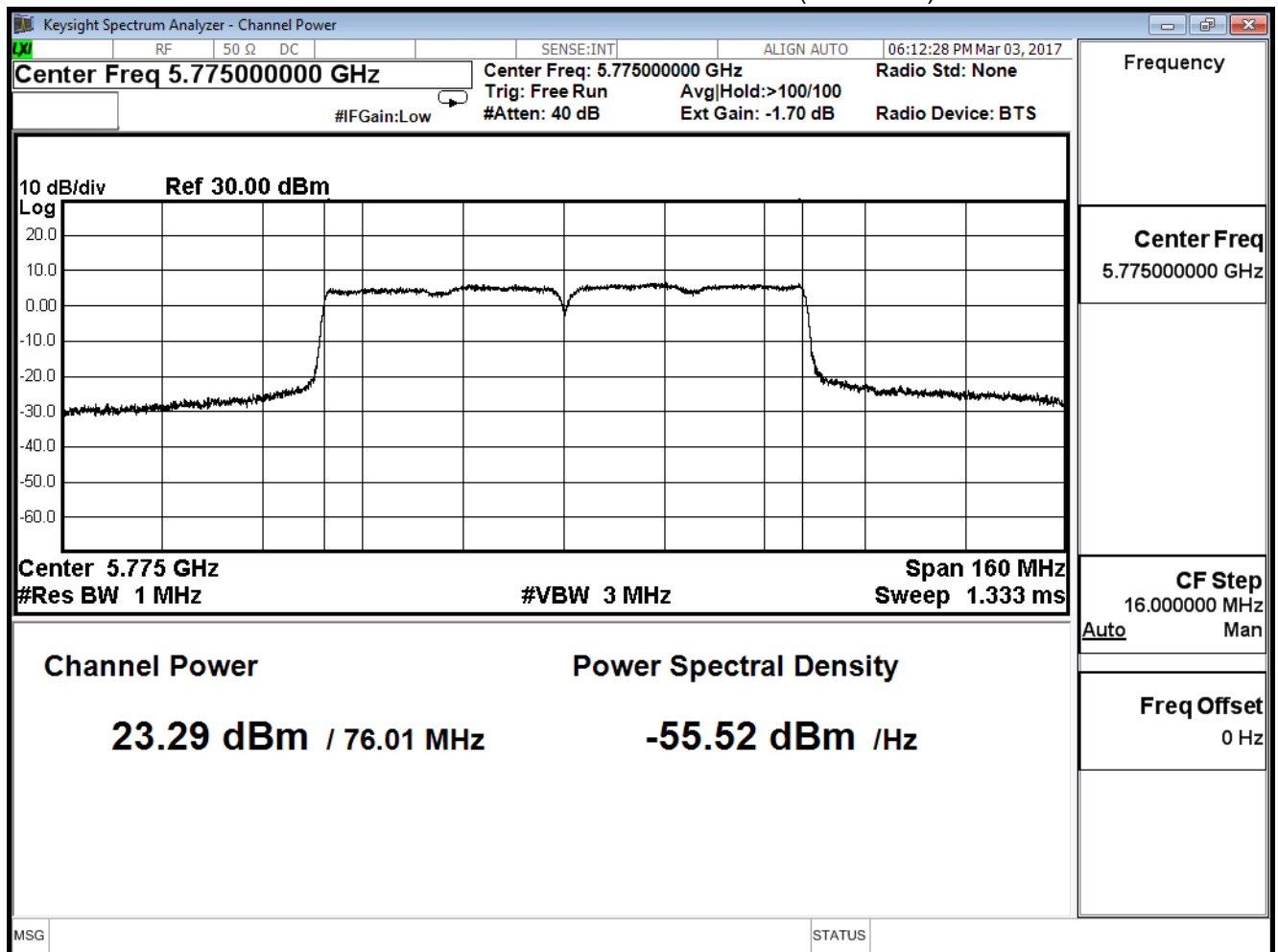
The worst emission of data rate is MCS0

Channel No	Frequency (MHz)	MCS Index										Required Limit
		0	1	2	3	4	5	6	7	8	9	
155	5775	22.290	23.110	23.010	22.880	22.710	22.580	22.110	21.870	21.660	21.210	≤29.38dBm

Directional gain=10log(ANT N)+Gain=4.77+1.85=6.62

Limit =30dBm-(6.62dBi-6dBi)=29.38dBm

Peak transmit Power - Channel 155 (5775MHz)



Product	Wireless-AC2900 Dual Band Gigabit Router		
Test Item	Peak Transmit Output		
Test Mode	Mode 3: Tx_AD P: AD890326010-2LF_ Beamforming Mode (802.11 n20/40)		
Date of Test	2017/03/03	Test Site	SR10-H

IEEE802.11ac 80MHz (ANT 0+1+2+3)

Channel No.	Frequency (MHz)	Output Power (dBm)	Required Limit (dBm)
155	5775	29.321	≤29.38

Directional gain=10log(ANT N)+Gain=4.77+1.85=6.62

Limit =30dBm-(6.62dBi-6dBi)=29.38dBm