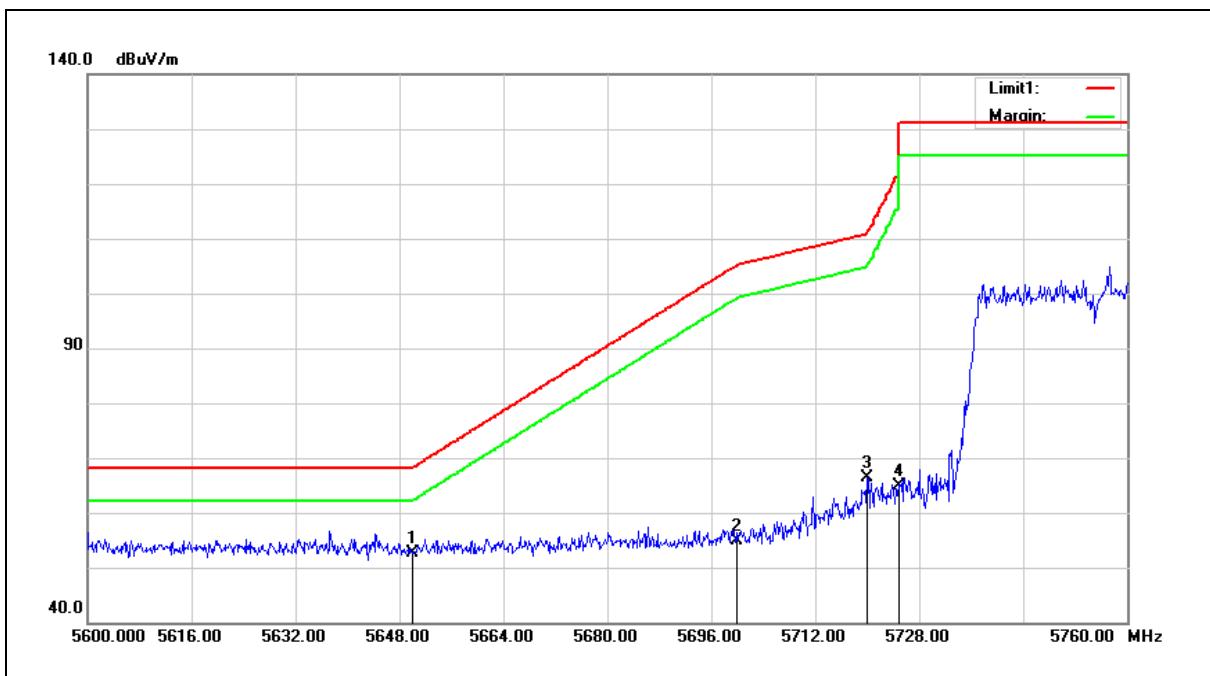


Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5755MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



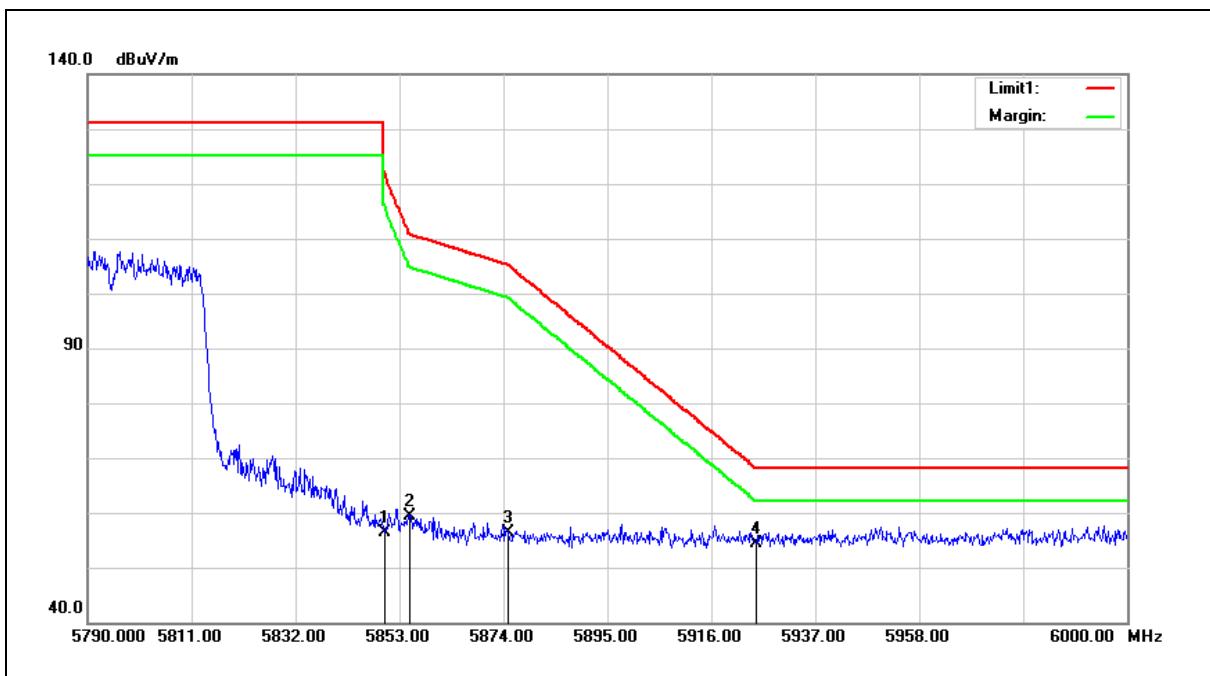
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	46.00	6.61	52.61	68.20	-15.59	peak
2	5700.000	48.23	6.71	54.94	105.20	-50.26	peak
3	5720.000	59.50	6.77	66.27	110.80	-44.53	peak
4	5725.000	58.16	6.78	64.94	122.20	-57.26	peak

Note: 1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correct factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5795MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



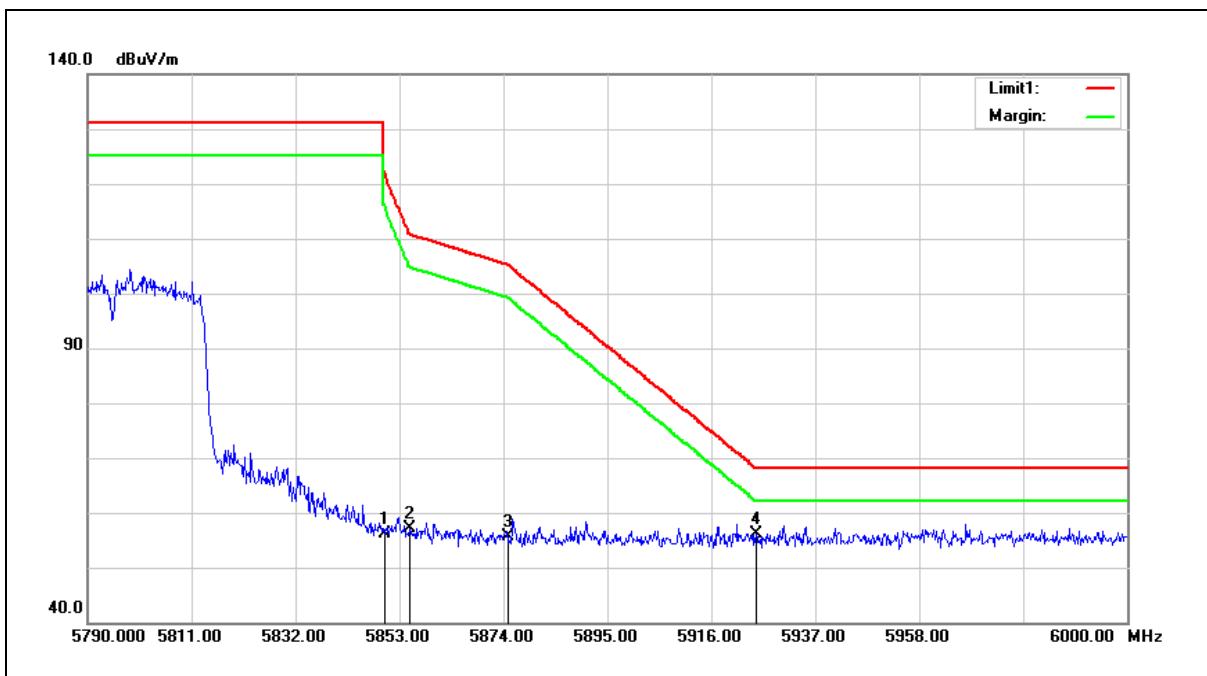
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	49.47	7.03	56.50	122.20	-65.70	peak
2	5855.000	52.37	7.04	59.41	110.80	-51.39	peak
3	5875.000	49.35	7.09	56.44	105.20	-48.76	peak
4	5925.000	47.18	7.20	54.38	68.20	-13.82	peak

Note: 1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correct factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5795MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 4		
Ant.Polar.:	Vertical		



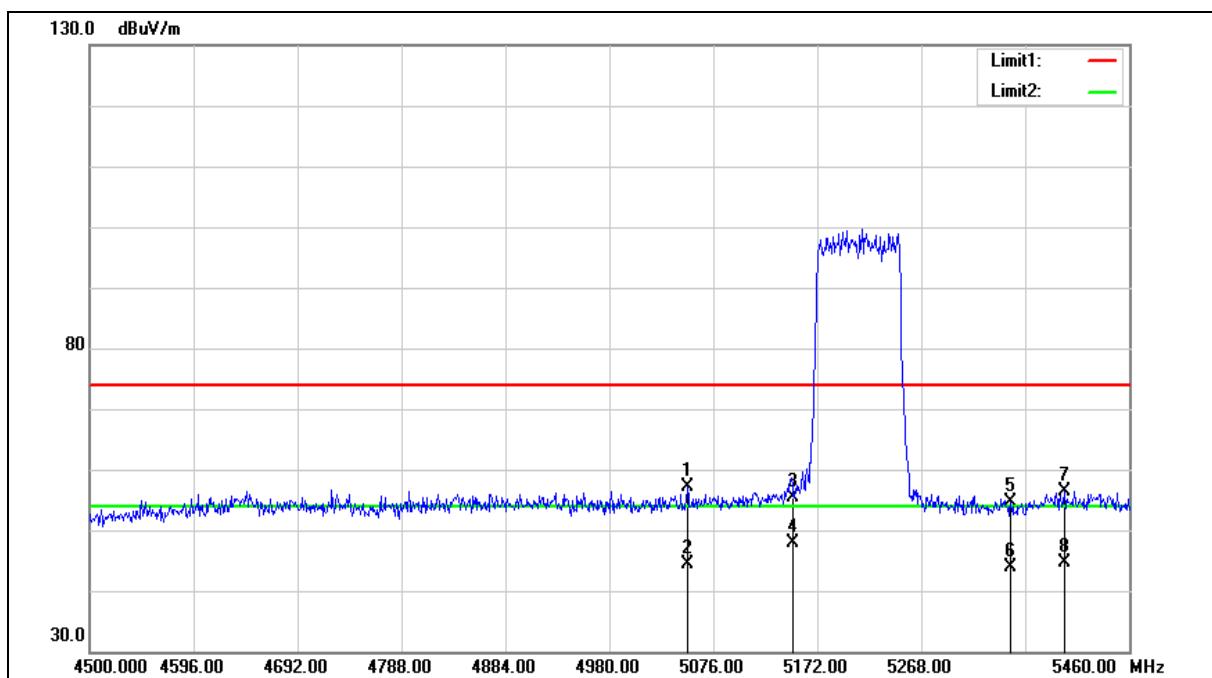
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	49.07	7.03	56.10	122.20	-66.10	peak
2	5855.000	50.03	7.04	57.07	110.80	-53.73	peak
3	5875.000	48.44	7.09	55.53	105.20	-49.67	peak
4	5925.000	49.03	7.20	56.23	68.20	-11.97	peak

Note: 1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5210MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5210MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		

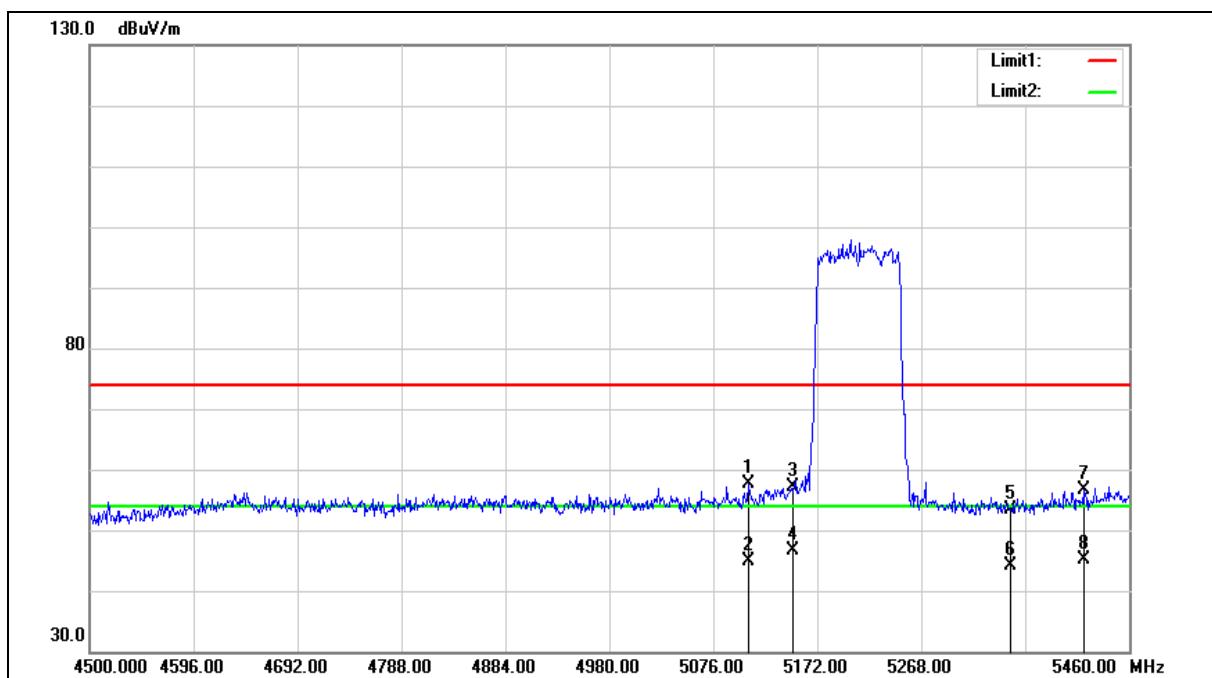
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5052.000	51.41	5.62	57.03	74.00	-16.97	peak
2	5052.000	38.72	5.62	44.34	54.00	-9.66	AVG
3	5150.000	49.59	5.78	55.37	74.00	-18.63	peak
4	5150.000	42.01	5.78	47.79	54.00	-6.21	AVG
5	5350.000	48.52	6.07	54.59	74.00	-19.41	peak
6	5350.000	37.77	6.07	43.84	54.00	-10.16	AVG
7	5400.480	50.25	6.15	56.40	74.00	-17.60	peak
8	5400.480	38.57	6.15	44.72	54.00	-9.28	AVG

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5210MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5210MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		

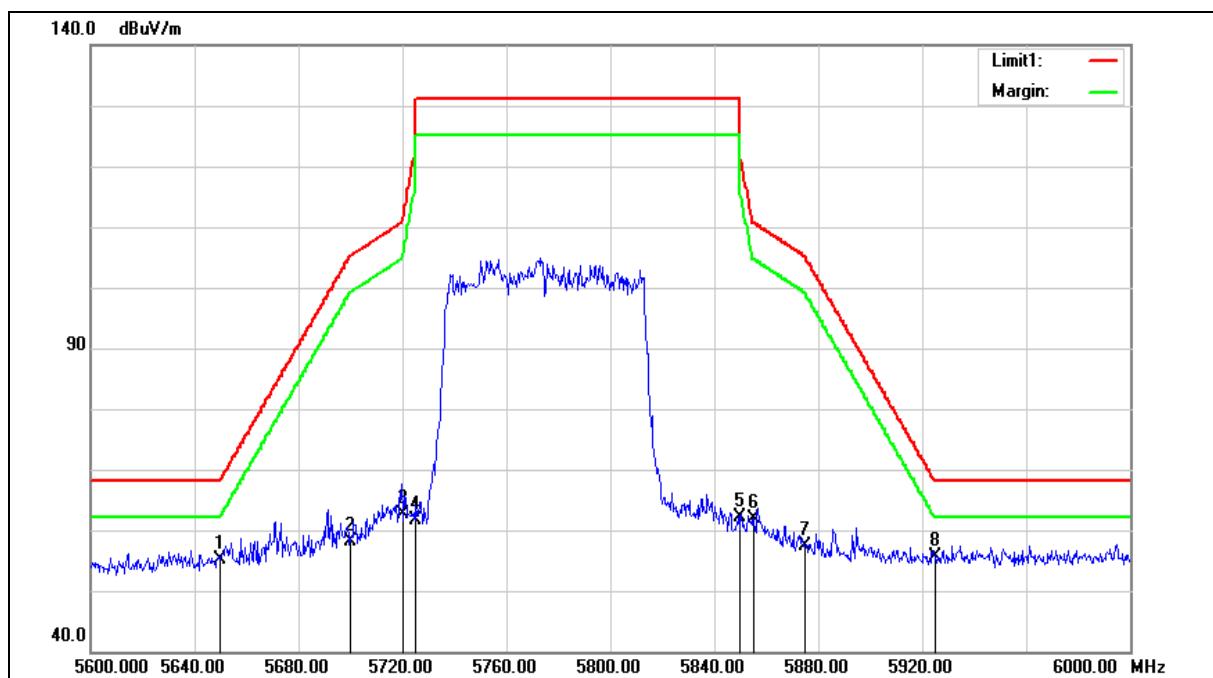
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5108.640	51.79	5.72	57.51	74.00	-16.49	peak
2	5108.640	39.17	5.72	44.89	54.00	-9.11	AVG
3	5150.000	51.35	5.78	57.13	74.00	-16.87	peak
4	5150.000	40.81	5.78	46.59	54.00	-7.41	AVG
5	5350.000	47.30	6.07	53.37	74.00	-20.63	peak
6	5350.000	38.12	6.07	44.19	54.00	-9.81	AVG
7	5417.760	50.39	6.17	56.56	74.00	-17.44	peak
8	5417.760	38.84	6.17	45.01	54.00	-8.99	AVG

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5775MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5775MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Horizontal		

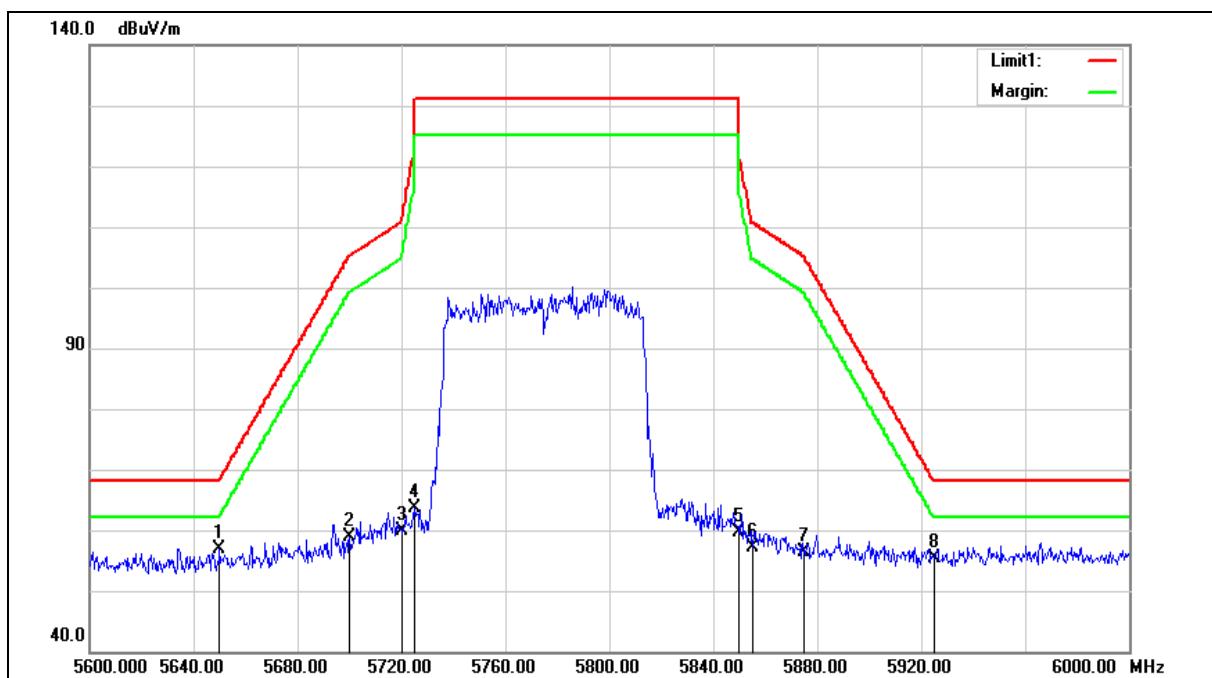
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	48.48	6.61	55.09	68.20	-13.11	peak
2	5700.000	51.37	6.71	58.08	105.20	-47.12	peak
3	5720.000	55.87	6.77	62.64	110.80	-48.16	peak
4	5725.000	54.85	6.78	61.63	122.20	-60.57	peak
5	5850.000	55.07	7.03	62.10	122.20	-60.10	peak
6	5855.000	54.76	7.04	61.80	110.80	-49.00	peak
7	5875.000	50.34	7.09	57.43	105.20	-47.77	peak
8	5925.000	48.39	7.20	55.59	68.20	-12.61	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5775MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		



Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5775MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 5		
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.000	50.29	6.61	56.90	68.20	-11.30	peak
2	5700.000	52.14	6.71	58.85	105.20	-46.35	peak
3	5720.000	53.10	6.77	59.87	110.80	-50.93	peak
4	5725.000	56.87	6.78	63.65	122.20	-58.55	peak
5	5850.000	52.57	7.03	59.60	122.20	-62.60	peak
6	5855.000	50.08	7.04	57.12	110.80	-53.68	peak
7	5875.000	49.38	7.09	56.47	105.20	-48.73	peak
8	5925.000	48.11	7.20	55.31	68.20	-12.89	peak

Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. When the peak results are less than average limit, so not need to evaluate the average.

5.3. Maximum Conducted Output Power Measurement

Test Mode		Mode 2: IEEE 802.11a Continuous TX mode							
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-0+1		FCC Limit (dBm)	
		Max. Output Power							
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)		
5180	6M	19.50	0.089	20.60	0.115	23.10	0.204	≤ 28.98	
5200		19.75	0.094	20.65	0.116	23.23	0.211		
5220		20.55	0.114	19.81	0.096	23.21	0.209		
5240		20.53	0.113	19.53	0.090	23.07	0.203		
5745		19.74	0.094	19.99	0.100	22.88	0.194		
5765		19.61	0.091	20.00	0.100	22.82	0.191		
5785		19.60	0.091	20.06	0.101	22.85	0.193		
5805		19.62	0.092	20.03	0.101	22.84	0.192		
5825		19.77	0.095	19.90	0.098	22.85	0.193		
5180	54M	19.37	0.086	20.40	0.110	22.93	0.196	≤ 28.98	
5200		19.55	0.090	20.52	0.113	23.07	0.203		
5220		20.28	0.107	19.61	0.091	22.97	0.198		
5240		20.28	0.107	19.22	0.084	22.79	0.190		
5745		19.53	0.090	19.62	0.092	22.59	0.181		
5765		19.43	0.088	19.75	0.094	22.60	0.182		
5785		19.35	0.086	19.81	0.096	22.60	0.182		
5805		19.36	0.086	19.74	0.094	22.56	0.180		
5825		19.50	0.089	19.62	0.092	22.57	0.181		

Note: The relevant measured result has the offset with cable loss already.

Test Mode		Mode 3: IEEE 802.11ac 20MHz Continuous TX mode							
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-0+1		FCC Limit (dBm)	
		Max. Output Power							
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)		
5180	13M	19.77	0.095	20.60	0.115	23.22	0.210	≤ 28.98	
5200		19.89	0.097	20.75	0.119	23.35	0.216		
5220		20.75	0.119	20.03	0.101	23.42	0.220		
5240		20.43	0.110	19.63	0.092	23.06	0.202		
5745		18.87	0.077	19.85	0.097	22.40	0.174	≤ 28.84	
5765		18.68	0.074	19.80	0.095	22.29	0.169		
5785		19.50	0.089	19.90	0.098	22.71	0.187		
5805		19.55	0.090	19.88	0.097	22.73	0.187		
5825		19.50	0.089	19.78	0.095	22.65	0.184		
5180	173.4M	19.50	0.089	20.26	0.106	22.91	0.195	≤ 28.98	
5200		19.61	0.091	20.53	0.113	23.10	0.204		
5220		20.53	0.113	19.78	0.095	23.18	0.208		
5240		20.17	0.104	19.45	0.088	22.84	0.192		
5745		18.56	0.072	19.63	0.092	22.14	0.164	≤ 28.84	
5765		18.50	0.071	19.58	0.091	22.08	0.162		
5785		19.16	0.082	19.64	0.092	22.42	0.174		
5805		19.29	0.085	19.60	0.091	22.46	0.176		
5825		19.28	0.085	19.57	0.091	22.44	0.175		

Note: The relevant measured result has the offset with cable loss already.

Test Mode		Mode 4: IEEE 802.11ac 40MHz Continuous TX mode							
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-0+1		FCC Limit (dBm)	
		Max. Output Power							
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)		
5190	27M	18.55	0.072	18.45	0.070	21.51	0.142	≤ 28.98	
5230		20.54	0.113	19.74	0.094	23.17	0.207		
5755		19.90	0.098	20.28	0.107	23.10	0.204	≤ 28.84	
5795		20.01	0.100	20.30	0.107	23.17	0.207		
5190	400M	18.33	0.068	18.22	0.066	21.29	0.134	≤ 28.98	
5230		20.27	0.106	19.50	0.089	22.91	0.196		
5755		19.69	0.093	20.00	0.100	22.86	0.193	≤ 28.84	
5795		19.83	0.096	19.99	0.100	22.92	0.196		

Test Mode		Mode 5: IEEE 802.11ac 80MHz Continuous TX mode							
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-0+1		FCC Limit (dBm)	
		Max. Output Power							
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)		
5210	58.6M	17.05	0.051	16.93	0.049	20.00	0.100	≤ 28.98	
5775		19.63	0.092	19.87	0.097	22.76	0.189		
5210	866.6M	16.87	0.049	16.77	0.048	19.83	0.096	≤ 28.98	
5775		19.41	0.087	19.60	0.091	22.52	0.178		

Note: The relevant measured result has the offset with cable loss already.

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Test Mode		Mode 2: IEEE 802.11a Continuous TX mode							
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-0+1		FCC Limit (dBm)	
		Max. Output Power							
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)		
5180	6M	16.51	0.045	16.67	0.046	19.60	0.091	≤ 28.98	
5200		16.71	0.047	16.73	0.047	19.73	0.094		
5220		17.20	0.052	17.12	0.052	20.17	0.104		
5240		16.83	0.048	16.79	0.048	19.82	0.096		
5745		16.46	0.044	16.60	0.046	19.54	0.090		
5765		16.35	0.043	16.62	0.046	19.50	0.089		
5785		16.42	0.044	16.66	0.046	19.55	0.090		
5805		16.49	0.045	16.67	0.046	19.59	0.091		
5825		16.52	0.045	16.88	0.049	19.71	0.094		
5180	54M	16.28	0.042	16.40	0.044	19.35	0.086	≤ 28.98	
5200		16.53	0.045	16.50	0.045	19.53	0.090		
5220		16.94	0.049	16.83	0.048	19.90	0.098		
5240		16.62	0.046	16.58	0.045	19.61	0.091		
5745		16.25	0.042	16.33	0.043	19.30	0.085		
5765		16.12	0.041	16.36	0.043	19.25	0.084		
5785		16.21	0.042	16.33	0.043	19.28	0.085		
5805		16.21	0.042	16.41	0.044	19.32	0.086		
5825		16.32	0.043	16.67	0.046	19.51	0.089		

Note: The relevant measured result has the offset with cable loss already.

Test Mode		Mode 3: IEEE 802.11ac 20MHz Continuous TX mode							
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-0+1		FCC Limit (dBm)	
		Max. Output Power							
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)		
5180	13M	16.93	0.049	17.01	0.050	19.98	0.100	≤ 28.98	
5200		17.14	0.052	17.14	0.052	20.15	0.104		
5220		17.18	0.052	16.93	0.049	20.07	0.102		
5240		16.74	0.047	16.72	0.047	19.74	0.094		
5745		15.96	0.039	16.03	0.040	19.01	0.080	≤ 28.84	
5765		15.83	0.038	16.02	0.040	18.94	0.078		
5785		16.32	0.043	16.62	0.046	19.48	0.089		
5805		16.30	0.043	16.65	0.046	19.49	0.089		
5825		16.32	0.043	16.76	0.047	19.56	0.090		
5180	173.4M	16.62	0.046	16.69	0.047	19.67	0.093	≤ 28.98	
5200		16.87	0.049	16.88	0.049	19.89	0.097		
5220		16.86	0.049	16.69	0.047	19.79	0.095		
5240		16.50	0.045	16.41	0.044	19.47	0.088		
5745		15.67	0.037	15.71	0.037	18.70	0.074	≤ 28.84	
5765		15.55	0.036	15.68	0.037	18.63	0.073		
5785		15.99	0.040	16.37	0.043	19.19	0.083		
5805		16.08	0.041	16.43	0.044	19.27	0.085		
5825		16.12	0.041	16.53	0.045	19.34	0.086		

Note: The relevant measured result has the offset with cable loss already.

Test Mode		Mode 4: IEEE 802.11ac 40MHz Continuous TX mode							
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-0+1		FCC Limit (dBm)	
		Max. Output Power							
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)		
5190	27M	15.11	0.032	14.96	0.031	18.05	0.064	≤ 28.98	
5230		16.78	0.048	16.67	0.046	19.74	0.094		
5755		16.46	0.044	16.70	0.047	19.59	0.091	≤ 28.84	
5795		16.58	0.045	16.75	0.047	19.68	0.093		
5190	400M	14.88	0.031	14.66	0.029	17.78	0.060	≤ 28.98	
5230		16.54	0.045	16.39	0.044	19.48	0.089		
5755		16.21	0.042	16.48	0.044	19.36	0.086	≤ 28.84	
5795		16.32	0.043	16.45	0.044	19.40	0.087		

Test Mode		Mode 5: IEEE 802.11ac 80MHz Continuous TX mode							
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-0+1		FCC Limit (dBm)	
		Max. Output Power							
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)		
5210	58.6M	13.95	0.025	13.86	0.024	16.92	0.049	≤ 28.98	
5775		16.21	0.042	16.38	0.043	19.31	0.085		
5210	866.6M	13.68	0.023	13.58	0.023	16.64	0.046	≤ 28.98	
5775		15.98	0.040	16.12	0.041	19.06	0.081		

Note: The relevant measured result has the offset with cable loss already.

5.4. 26dB RF Bandwidth Measurement & 99 % Occupied Bandwidth Measurement

Test Mode	Mode 2: IEEE 802.11a Continuous TX mode			
Frequency (MHz)	ANT-0	ANT-1	ANT-0	ANT-1
	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5180	20.600	19.910	16.508	16.463
5200	19.930	19.700	16.483	16.463
5240	19.940	19.410	16.536	16.451

Test Mode	Mode 3: IEEE 802.11ac 20MHz Continuous TX mode			
Frequency (MHz)	ANT-0	ANT-1	ANT-0	ANT-1
	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5180	20.680	20.740	17.614	17.656
5200	20.360	20.260	17.680	17.654
5240	20.650	20.460	17.688	17.644

Test Mode	Mode 4: IEEE 802.11ac 40MHz Continuous TX mode			
Frequency (MHz)	ANT-0	ANT-1	ANT-0	ANT-1
	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5190	40.110	40.160	36.040	36.060
5230	41.350	40.230	36.144	36.120

Test Mode	Mode 5: IEEE 802.11ac 80MHz Continuous TX mode			
Frequency (MHz)	ANT-0	ANT-1	ANT-0	ANT-1
	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5210	82.850	82.980	75.723	75.775

Note: The 99% occupied bandwidth not crossed 5250MHz.

Beamforming on

Test Mode	Mode 2: IEEE 802.11a Continuous TX mode			
Frequency (MHz)	ANT-0	ANT-1	ANT-0	ANT-1
	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5180	19.400	19.100	16.462	16.425
5200	19.780	19.090	16.465	16.427
5240	19.500	19.190	16.471	16.438

Test Mode	Mode 3: IEEE 802.11ac 20MHz Continuous TX mode			
Frequency (MHz)	ANT-0	ANT-1	ANT-0	ANT-1
	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5180	20.270	20.330	17.651	17.623
5200	20.490	20.480	17.646	17.617
5240	20.280	20.340	17.620	17.631

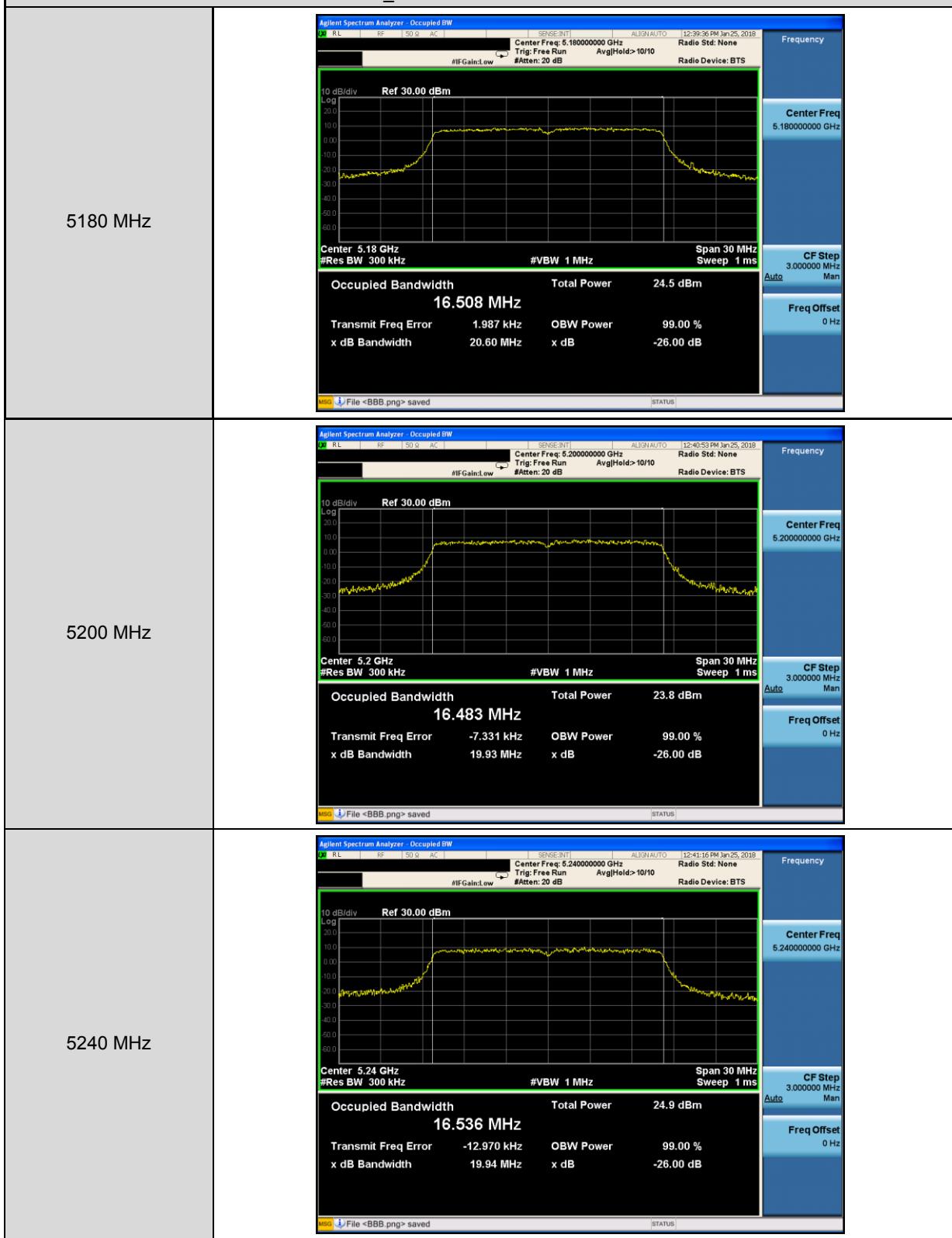
Test Mode	Mode 4: IEEE 802.11ac 40MHz Continuous TX mode			
Frequency (MHz)	ANT-0	ANT-1	ANT-0	ANT-1
	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5190	40.330	39.970	36.050	36.050
5230	39.880	40.200	36.037	36.034

Test Mode	Mode 5: IEEE 802.11ac 80MHz Continuous TX mode			
Frequency (MHz)	ANT-0	ANT-1	ANT-0	ANT-1
	26dB Bandwidth (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5210	83.270	83.110	75.687	75.724

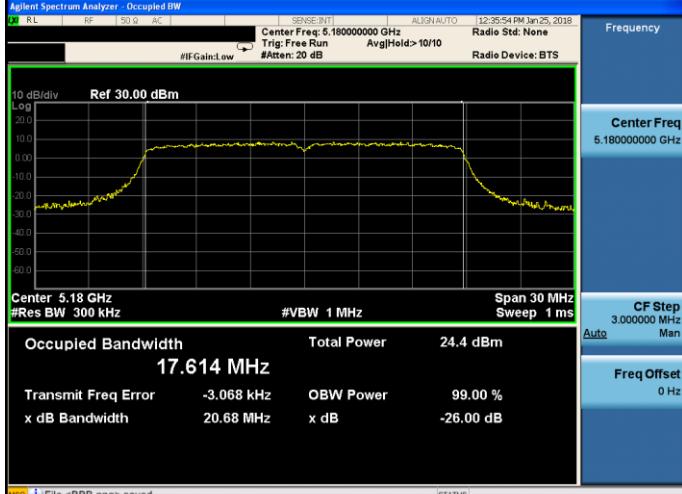
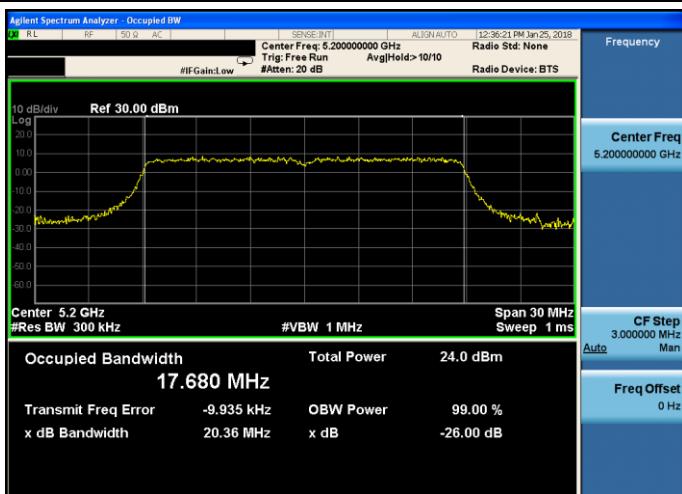
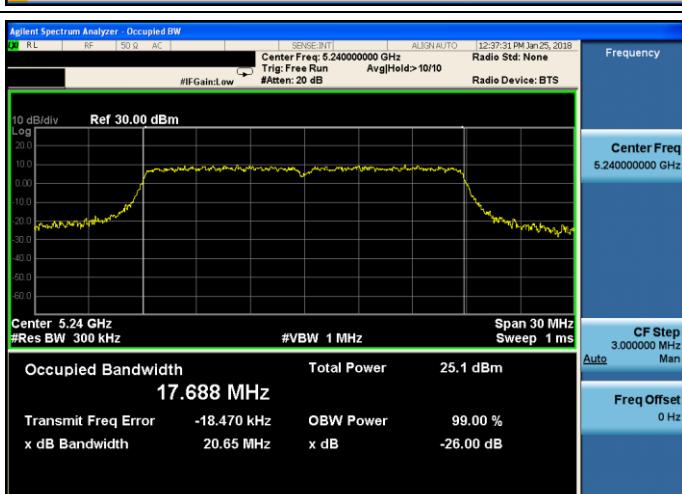
Note: The 99% occupied bandwidth not crossed 5250MHz.

■ Test Graphs

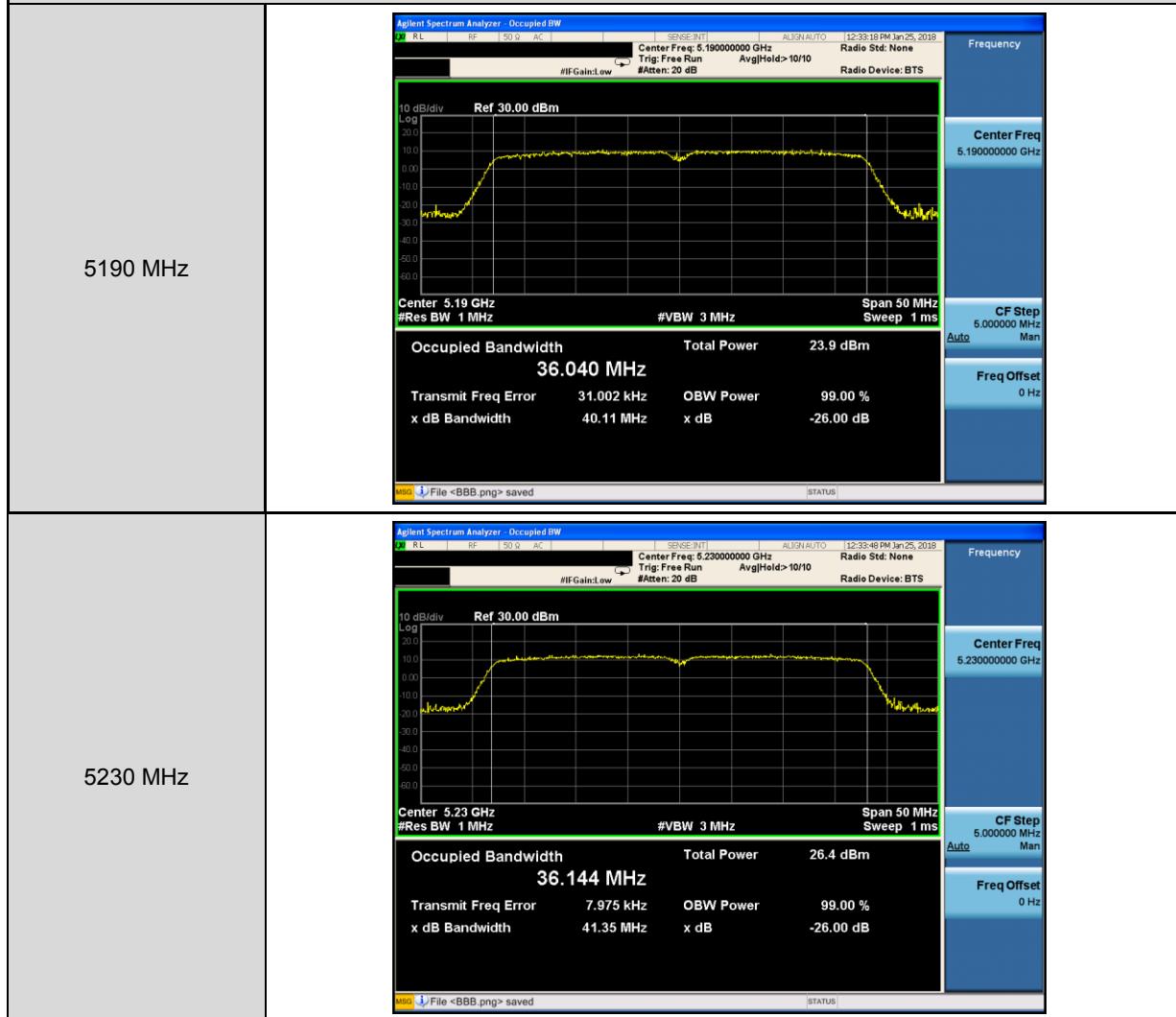
Mode 2: IEEE 802.11a Continuous TX mode_ ANT-0



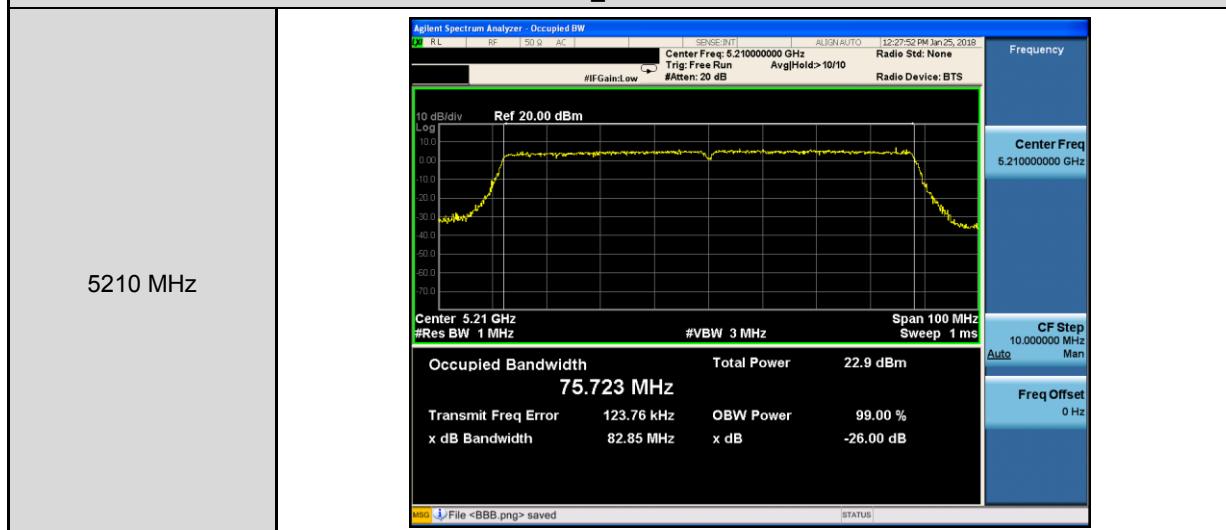
Mode 3: IEEE 802.11ac 20MHz Continuous TX mode_ANT-0

5180 MHz	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.180000000 GHz SENSE: INT ALIGN AUTO 12:35:54 PM Jan 25, 2018 #IFGain:Low Trig: Free Run Avg Hold>10/10 Radio Std: None #Attenu: 20 dB Radio Device: BTS</p> <p>Frequency</p> <p>Center Freq 5.180000000 GHz</p> <p>CF Step 3.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p> <p>10 dB/div Ref 30.00 dBm</p> <p>Log</p> <p>20.0 10.0 0.0 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0</p> <p>Center 5.18 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth 17.614 MHz</p> <p>Total Power 24.4 dBm</p> <p>Transmit Freq Error -3.068 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 20.68 MHz</p> <p>x dB -26.00 dB</p> <p>MSO File <BBB.png> saved STATUS</p>
5200 MHz	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.200000000 GHz SENSE: INT ALIGN AUTO 12:36:21 PM Jan 25, 2018 #IFGain:Low Trig: Free Run Avg Hold>10/10 Radio Std: None #Attenu: 20 dB Radio Device: BTS</p> <p>Frequency</p> <p>Center Freq 5.200000000 GHz</p> <p>CF Step 3.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p> <p>10 dB/div Ref 30.00 dBm</p> <p>Log</p> <p>20.0 10.0 0.0 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0</p> <p>Center 5.2 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth 17.680 MHz</p> <p>Total Power 24.0 dBm</p> <p>Transmit Freq Error -9.935 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 20.36 MHz</p> <p>x dB -26.00 dB</p> <p>MSO File <BBB.png> saved STATUS</p>
5240 MHz	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.240000000 GHz SENSE: INT ALIGN AUTO 12:37:31 PM Jan 25, 2018 #IFGain:Low Trig: Free Run Avg Hold>10/10 Radio Std: None #Attenu: 20 dB Radio Device: BTS</p> <p>Frequency</p> <p>Center Freq 5.240000000 GHz</p> <p>CF Step 3.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p> <p>10 dB/div Ref 30.00 dBm</p> <p>Log</p> <p>20.0 10.0 0.0 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0</p> <p>Center 5.24 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth 17.688 MHz</p> <p>Total Power 25.1 dBm</p> <p>Transmit Freq Error -18.470 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 20.65 MHz</p> <p>x dB -26.00 dB</p> <p>MSO File <BBB.png> saved STATUS</p>

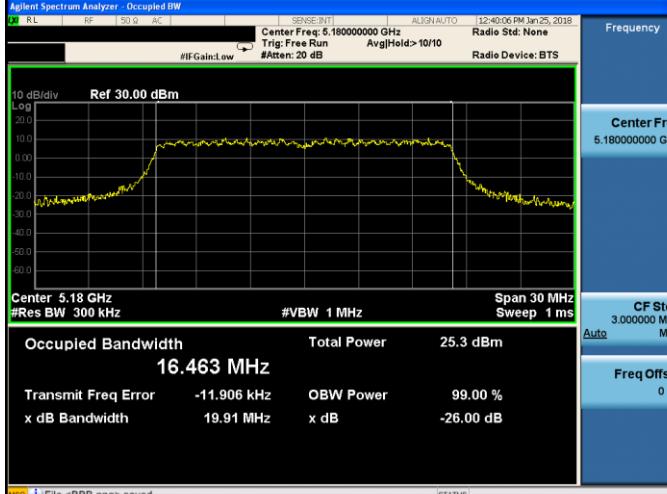
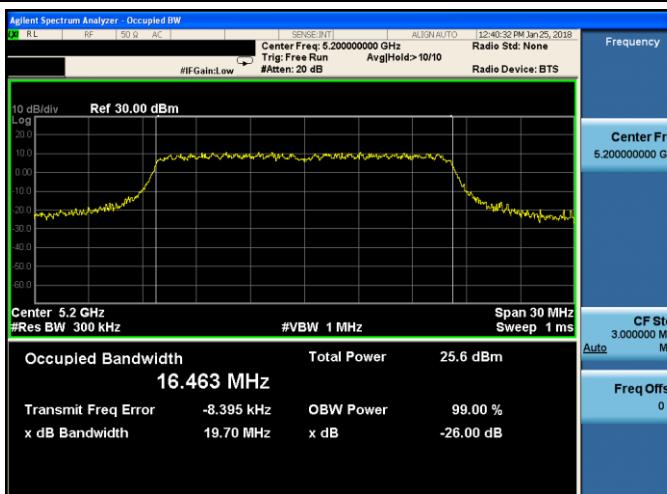
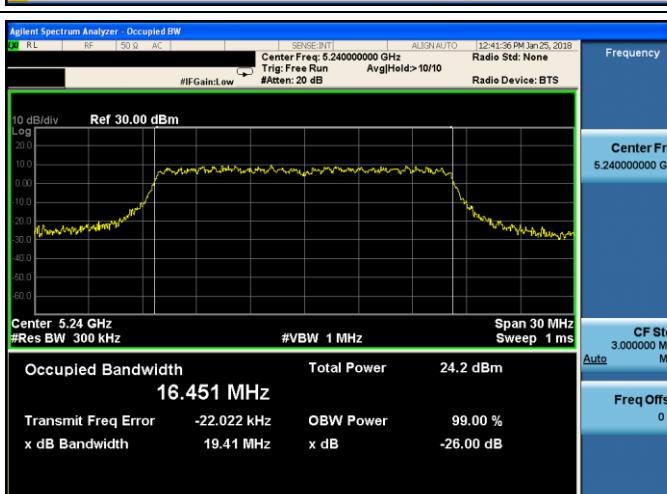
Mode 4: IEEE 802.11ac 40MHz Continuous TX mode_ANT-0



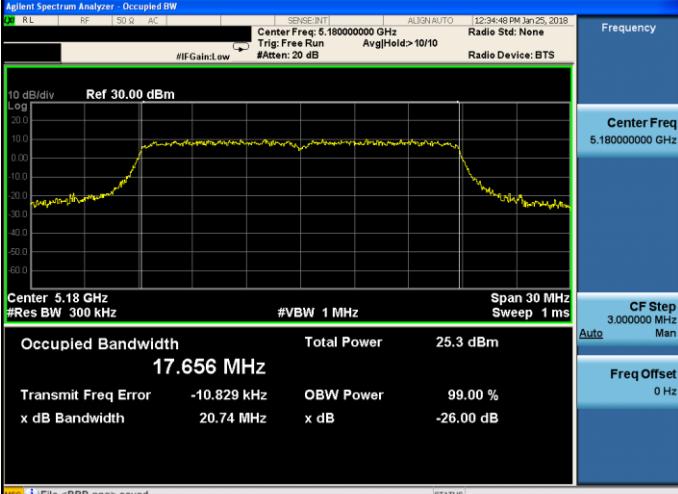
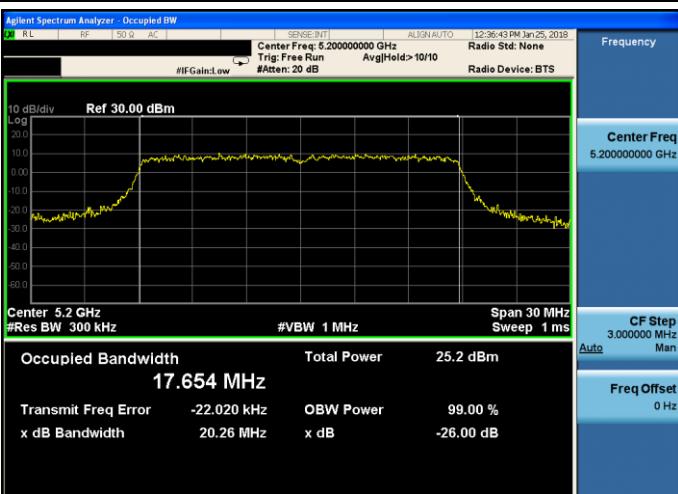
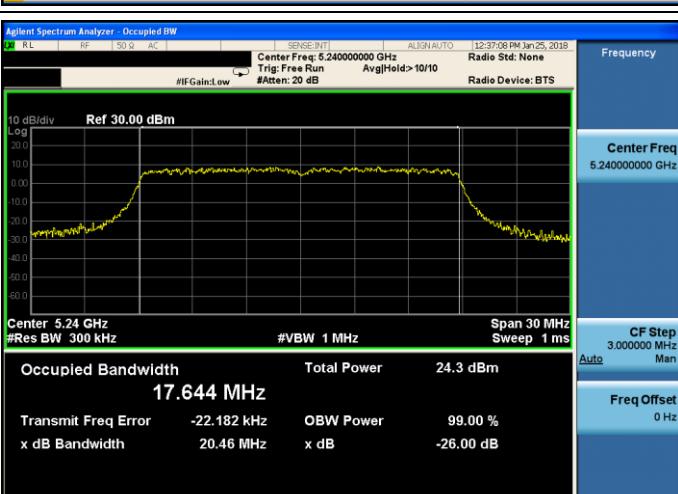
Mode 5: IEEE 802.11ac 80MHz Continuous TX mode_ANT-0



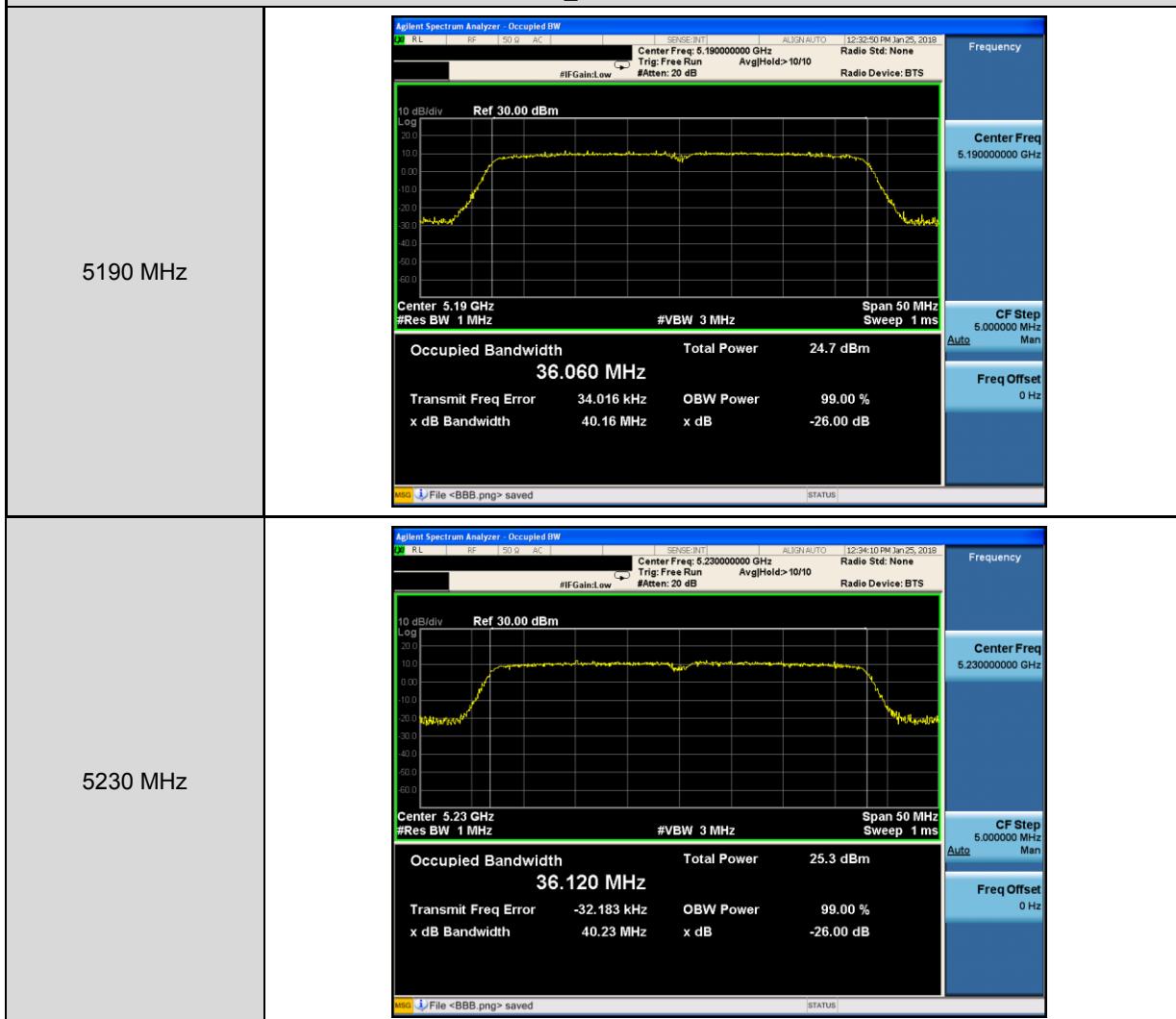
Mode 2: IEEE 802.11a Continuous TX mode_ ANT-1

5180 MHz	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.180000000 GHz SENSE: INT ALIGN AUTO 12:40:06 PM Jan 25, 2018 #IFGain:Low Trig: Free Run Avg Hold>10/10 Radio Std: None Radio Device: BTS</p> <p>Frequency</p> <p>Center Freq 5.180000000 GHz</p> <p>CF Step 3.000000 MHz Man</p> <p>Freq Offset 0 Hz</p> <p>10 dB/div Ref 30.00 dBm</p> <p>Log</p> <p>20.0</p> <p>10.0</p> <p>0.0</p> <p>-10.0</p> <p>-20.0</p> <p>-30.0</p> <p>-40.0</p> <p>-50.0</p> <p>-60.0</p> <p>Center 5.18 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth 16.463 MHz</p> <p>Total Power 25.3 dBm</p> <p>Transmit Freq Error -11.906 kHz</p> <p>x dB Bandwidth 19.91 MHz</p> <p>OBW Power 99.00 %</p> <p>x dB -26.00 dB</p> <p>File <BBB.png> saved</p> <p>STATUS</p>
5200 MHz	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.200000000 GHz SENSE: INT ALIGN AUTO 12:40:32 PM Jan 25, 2018 #IFGain:Low Trig: Free Run Avg Hold>10/10 Radio Std: None Radio Device: BTS</p> <p>Frequency</p> <p>Center Freq 5.200000000 GHz</p> <p>CF Step 3.000000 MHz Man</p> <p>Freq Offset 0 Hz</p> <p>10 dB/div Ref 30.00 dBm</p> <p>Log</p> <p>20.0</p> <p>10.0</p> <p>0.0</p> <p>-10.0</p> <p>-20.0</p> <p>-30.0</p> <p>-40.0</p> <p>-50.0</p> <p>-60.0</p> <p>Center 5.2 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth 16.463 MHz</p> <p>Total Power 25.6 dBm</p> <p>Transmit Freq Error -8.395 kHz</p> <p>x dB Bandwidth 19.70 MHz</p> <p>OBW Power 99.00 %</p> <p>x dB -26.00 dB</p> <p>File <BBB.png> saved</p> <p>STATUS</p>
5240 MHz	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.240000000 GHz SENSE: INT ALIGN AUTO 12:41:36 PM Jan 25, 2018 #IFGain:Low Trig: Free Run Avg Hold>10/10 Radio Std: None Radio Device: BTS</p> <p>Frequency</p> <p>Center Freq 5.240000000 GHz</p> <p>CF Step 3.000000 MHz Man</p> <p>Freq Offset 0 Hz</p> <p>10 dB/div Ref 30.00 dBm</p> <p>Log</p> <p>20.0</p> <p>10.0</p> <p>0.0</p> <p>-10.0</p> <p>-20.0</p> <p>-30.0</p> <p>-40.0</p> <p>-50.0</p> <p>-60.0</p> <p>Center 5.24 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth 16.451 MHz</p> <p>Total Power 24.2 dBm</p> <p>Transmit Freq Error -22.022 kHz</p> <p>x dB Bandwidth 19.41 MHz</p> <p>OBW Power 99.00 %</p> <p>x dB -26.00 dB</p> <p>File <BBB.png> saved</p> <p>STATUS</p>

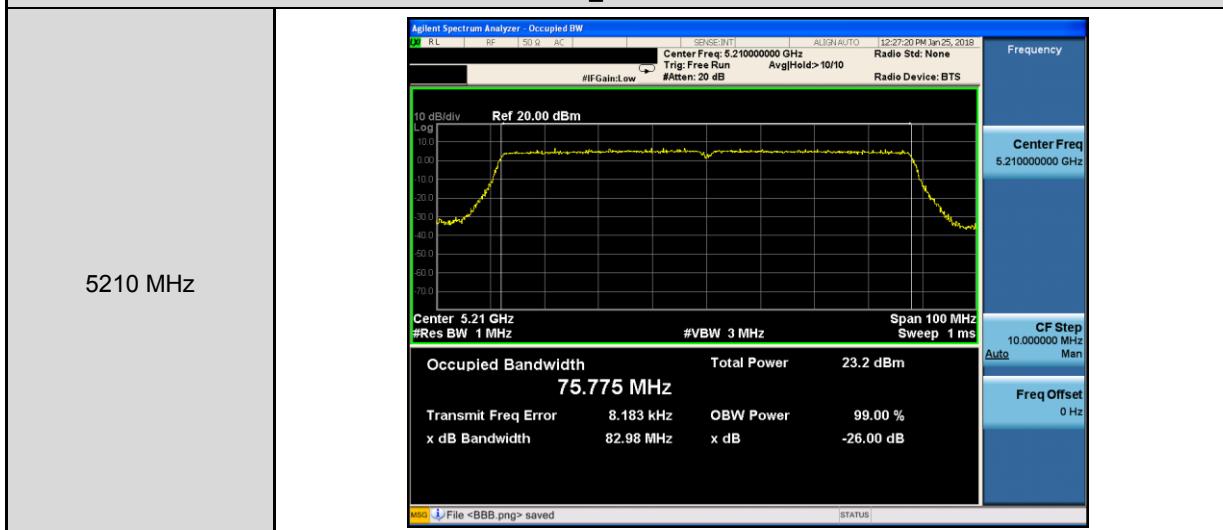
Mode 3: IEEE 802.11ac 20MHz Continuous TX mode_ANT-1

5180 MHz	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.180000000 GHz SENSE: INT ALIGN AUTO 12:34:49 PM Jan 25, 2018 #IFGain:Low Radio Std: None Radio Device: BTS</p> <p>Frequency</p> <p>Center Freq 5.180000000 GHz</p> <p>CF Step 3.00000 MHz Man</p> <p>Freq Offset 0 Hz</p> <p>Ref 30.00 dBm</p> <p>10 dB/div Log</p> <p>Span 30 MHz Sweep 1 ms</p> <p>Center 5.18 GHz #Res BW 300 kHz #VBW 1 MHz</p> <p>Occupied Bandwidth Total Power 25.3 dBm 17.656 MHz</p> <p>Transmit Freq Error -10.829 kHz OBW Power 99.00 % x dB Bandwidth 20.74 MHz x dB -26.00 dB</p> <p>MSO File <BBB.png> saved STATUS</p>
5200 MHz	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.200000000 GHz SENSE: INT ALIGN AUTO 12:36:43 PM Jan 25, 2018 #IFGain:Low Radio Std: None Radio Device: BTS</p> <p>Frequency</p> <p>Center Freq 5.200000000 GHz</p> <p>CF Step 3.00000 MHz Man</p> <p>Freq Offset 0 Hz</p> <p>Ref 30.00 dBm</p> <p>10 dB/div Log</p> <p>Span 30 MHz Sweep 1 ms</p> <p>Center 5.2 GHz #Res BW 300 kHz #VBW 1 MHz</p> <p>Occupied Bandwidth Total Power 25.2 dBm 17.654 MHz</p> <p>Transmit Freq Error -22.020 kHz OBW Power 99.00 % x dB Bandwidth 20.26 MHz x dB -26.00 dB</p> <p>MSO File <BBB.png> saved STATUS</p>
5240 MHz	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.240000000 GHz SENSE: INT ALIGN AUTO 12:37:08 PM Jan 25, 2018 #IFGain:Low Radio Std: None Radio Device: BTS</p> <p>Frequency</p> <p>Center Freq 5.240000000 GHz</p> <p>CF Step 3.00000 MHz Man</p> <p>Freq Offset 0 Hz</p> <p>Ref 30.00 dBm</p> <p>10 dB/div Log</p> <p>Span 30 MHz Sweep 1 ms</p> <p>Center 5.24 GHz #Res BW 300 kHz #VBW 1 MHz</p> <p>Occupied Bandwidth Total Power 24.3 dBm 17.644 MHz</p> <p>Transmit Freq Error -22.182 kHz OBW Power 99.00 % x dB Bandwidth 20.46 MHz x dB -26.00 dB</p> <p>MSO File <BBB.png> saved STATUS</p>

Mode 4: IEEE 802.11ac 40MHz Continuous TX mode_ ANT-1

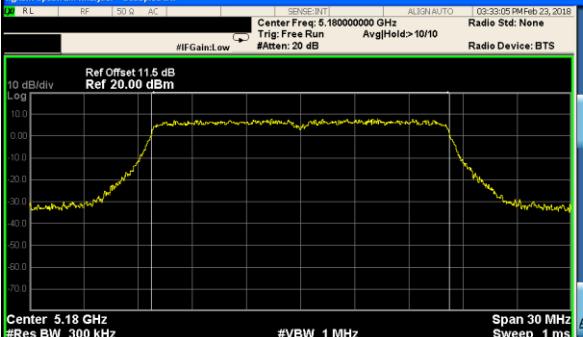
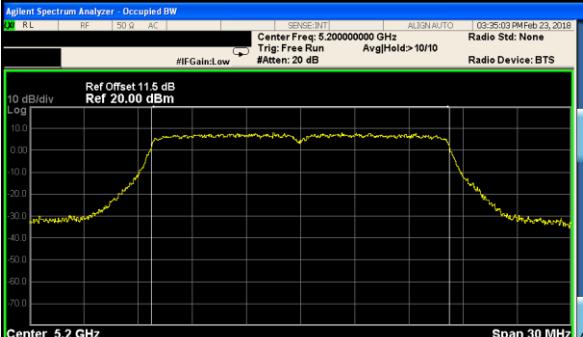
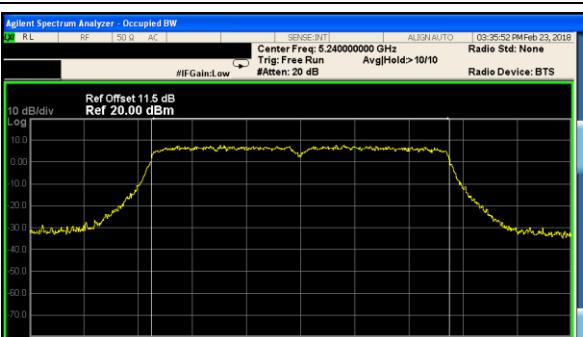


Mode 5: IEEE 802.11ac 80MHz Continuous TX mode_ ANT-1



Beamforming on

Mode 2: IEEE 802.11a Continuous TX mode_ ANT-0

<p>5180 MHz</p>	<p>Spectrum Analysis Results at 5180 MHz:</p> <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.180000000 GHz SENSE INT: ALIGN AUTO: 03:33:05 PM Feb 23, 2018</p> <p>#IFGain:Low Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 11.5 dB Ref 20.00 dBm</p> <p>10 dB/div Log</p> <p>Occupied Bandwidth: 16.462 MHz Total Power: 23.2 dBm</p> <p>Transmit Freq Error: 2.672 kHz OBW Power: 99.00 %</p> <p>x dB Bandwidth: 19.40 MHz x dB: -26.00 dB</p> <p>Center 5.18 GHz #Res BW: 300 kHz #VBW: 1 MHz Span 30 MHz Sweep: 1 ms</p> <p>CF Step: 3.00000 MHz Freq Offset: 0 Hz</p> <p>MSG STATUS</p> 
<p>5200 MHz</p>	<p>Spectrum Analysis Results at 5200 MHz:</p> <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.200000000 GHz SENSE INT: ALIGN AUTO: 03:35:03 PM Feb 23, 2018</p> <p>#IFGain:Low Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 11.5 dB Ref 20.00 dBm</p> <p>10 dB/div Log</p> <p>Occupied Bandwidth: 16.465 MHz Total Power: 23.6 dBm</p> <p>Transmit Freq Error: -12.071 kHz OBW Power: 99.00 %</p> <p>x dB Bandwidth: 19.78 MHz x dB: -26.00 dB</p> <p>Center 5.2 GHz #Res BW: 300 kHz #VBW: 1 MHz Span 30 MHz Sweep: 1 ms</p> <p>CF Step: 3.00000 MHz Freq Offset: 0 Hz</p> <p>MSG STATUS</p> 
<p>5240 MHz</p>	<p>Spectrum Analysis Results at 5240 MHz:</p> <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.240000000 GHz SENSE INT: ALIGN AUTO: 03:35:52 PM Feb 23, 2018</p> <p>#IFGain:Low Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 11.5 dB Ref 20.00 dBm</p> <p>10 dB/div Log</p> <p>Occupied Bandwidth: 16.471 MHz Total Power: 23.3 dBm</p> <p>Transmit Freq Error: -10.774 kHz OBW Power: 99.00 %</p> <p>x dB Bandwidth: 19.50 MHz x dB: -26.00 dB</p> <p>Center 5.24 GHz #Res BW: 300 kHz #VBW: 1 MHz Span 30 MHz Sweep: 1 ms</p> <p>CF Step: 3.00000 MHz Freq Offset: 0 Hz</p> <p>MSG STATUS</p> 

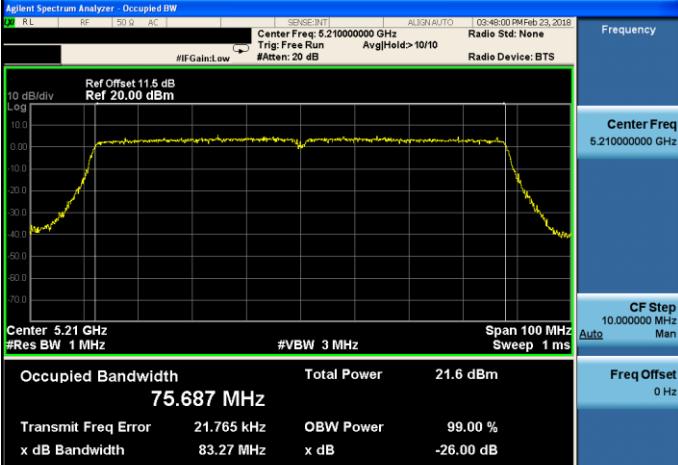
Mode 3: IEEE 802.11ac 20MHz Continuous TX mode_ANT-0

5180 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p>  <p>Center Freq: 5.180000000 GHz CF Step: 3.000000 MHz Freq Offset: 0 Hz</p>
5200 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p>  <p>Center Freq: 5.200000000 GHz CF Step: 3.000000 MHz Freq Offset: 0 Hz</p>
5240 MHz	<p>Agilent Spectrum Analyzer - Occupied BW</p>  <p>Center Freq: 5.240000000 GHz CF Step: 3.000000 MHz Freq Offset: 0 Hz</p>

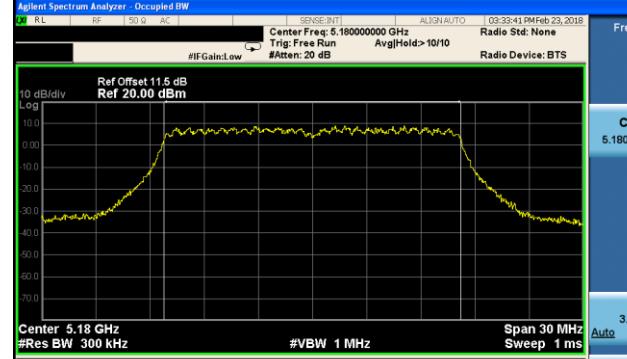
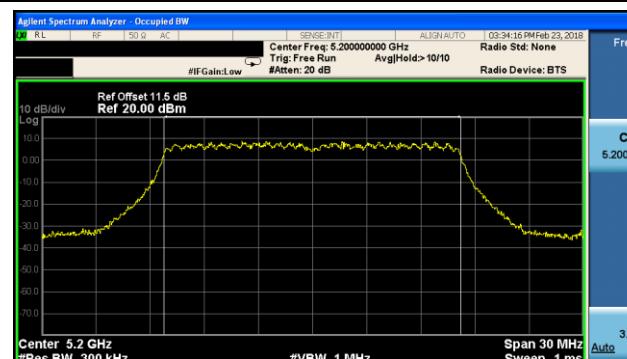
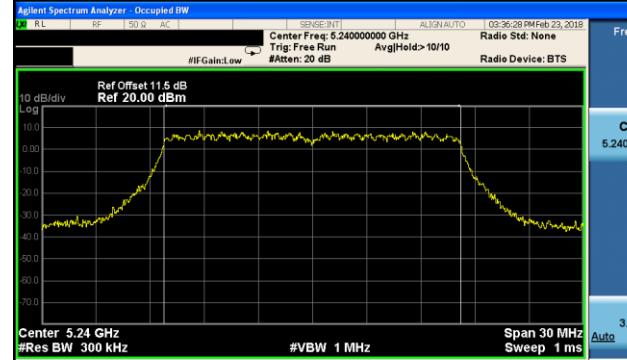
Mode 4: IEEE 802.11ac 40MHz Continuous TX mode_ANT-0

5190 MHz	 <p>Occupied Bandwidth Total Power 36.050 MHz Transmit Freq Error OBW Power x dB Bandwidth x dB</p>
5230 MHz	 <p>Occupied Bandwidth Total Power 36.037 MHz Transmit Freq Error OBW Power x dB Bandwidth x dB</p>

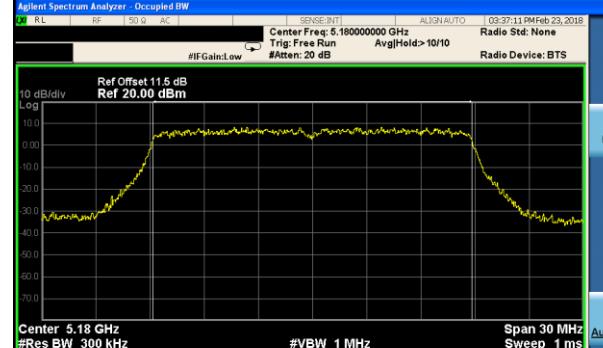
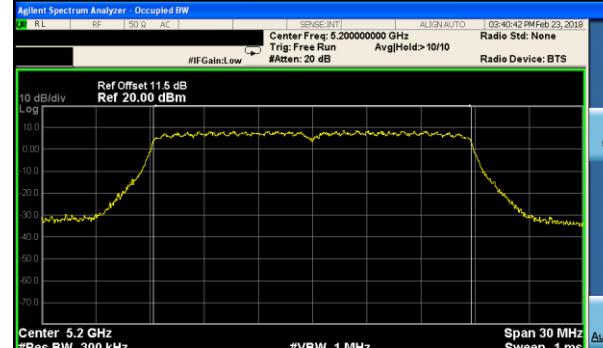
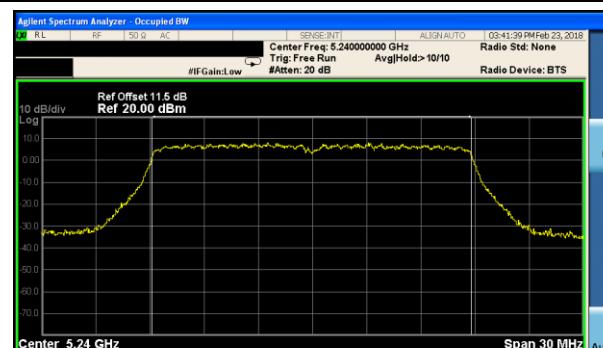
Mode 5: IEEE 802.11ac 80MHz Continuous TX mode_ANT-0

5210 MHz	 <p>Occupied Bandwidth Total Power 75.687 MHz Transmit Freq Error OBW Power x dB Bandwidth x dB</p>
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Mode 2: IEEE 802.11a Continuous TX mode_ ANT-1

5180 MHz	<p>Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.180000000 GHz SENSE: INT ALIGN AUTO 03:33:41 PM Feb 23, 2018 #IFGain:Low Trig: Free Run AvgHold>10/10 Radio Std: None #Atten: 20 dB Radio Device: BTS</p>  <p>Frequency Center Freq 5.180000000 GHz</p> <p>CF Step 3.000000 MHz Auto</p> <p>Freq Offset 0 Hz</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>23.7 dBm</td> </tr> <tr> <td colspan="3">16.425 MHz</td> </tr> <tr> <td>Transmit Freq Error</td> <td>-8.099 kHz</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>x dB Bandwidth</td> <td>19.10 MHz</td> <td>x dB</td> <td>-26.00 dB</td> </tr> </table>	Occupied Bandwidth	Total Power	23.7 dBm	16.425 MHz			Transmit Freq Error	-8.099 kHz	OBW Power	99.00 %	x dB Bandwidth	19.10 MHz	x dB	-26.00 dB
Occupied Bandwidth	Total Power	23.7 dBm													
16.425 MHz															
Transmit Freq Error	-8.099 kHz	OBW Power	99.00 %												
x dB Bandwidth	19.10 MHz	x dB	-26.00 dB												
5200 MHz	<p>Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.200000000 GHz SENSE: INT ALIGN AUTO 03:34:16 PM Feb 23, 2018 #IFGain:Low Trig: Free Run AvgHold>10/10 Radio Std: None #Atten: 20 dB Radio Device: BTS</p>  <p>Frequency Center Freq 5.200000000 GHz</p> <p>CF Step 3.000000 MHz Auto</p> <p>Freq Offset 0 Hz</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>23.7 dBm</td> </tr> <tr> <td colspan="3">16.427 MHz</td> </tr> <tr> <td>Transmit Freq Error</td> <td>-15.905 kHz</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>x dB Bandwidth</td> <td>19.09 MHz</td> <td>x dB</td> <td>-26.00 dB</td> </tr> </table>	Occupied Bandwidth	Total Power	23.7 dBm	16.427 MHz			Transmit Freq Error	-15.905 kHz	OBW Power	99.00 %	x dB Bandwidth	19.09 MHz	x dB	-26.00 dB
Occupied Bandwidth	Total Power	23.7 dBm													
16.427 MHz															
Transmit Freq Error	-15.905 kHz	OBW Power	99.00 %												
x dB Bandwidth	19.09 MHz	x dB	-26.00 dB												
5240 MHz	<p>Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.240000000 GHz SENSE: INT ALIGN AUTO 03:36:28 PM Feb 23, 2018 #IFGain:Low Trig: Free Run AvgHold>10/10 Radio Std: None #Atten: 20 dB Radio Device: BTS</p>  <p>Frequency Center Freq 5.240000000 GHz</p> <p>CF Step 3.000000 MHz Auto</p> <p>Freq Offset 0 Hz</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>22.9 dBm</td> </tr> <tr> <td colspan="3">16.438 MHz</td> </tr> <tr> <td>Transmit Freq Error</td> <td>-15.710 kHz</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>x dB Bandwidth</td> <td>19.19 MHz</td> <td>x dB</td> <td>-26.00 dB</td> </tr> </table>	Occupied Bandwidth	Total Power	22.9 dBm	16.438 MHz			Transmit Freq Error	-15.710 kHz	OBW Power	99.00 %	x dB Bandwidth	19.19 MHz	x dB	-26.00 dB
Occupied Bandwidth	Total Power	22.9 dBm													
16.438 MHz															
Transmit Freq Error	-15.710 kHz	OBW Power	99.00 %												
x dB Bandwidth	19.19 MHz	x dB	-26.00 dB												

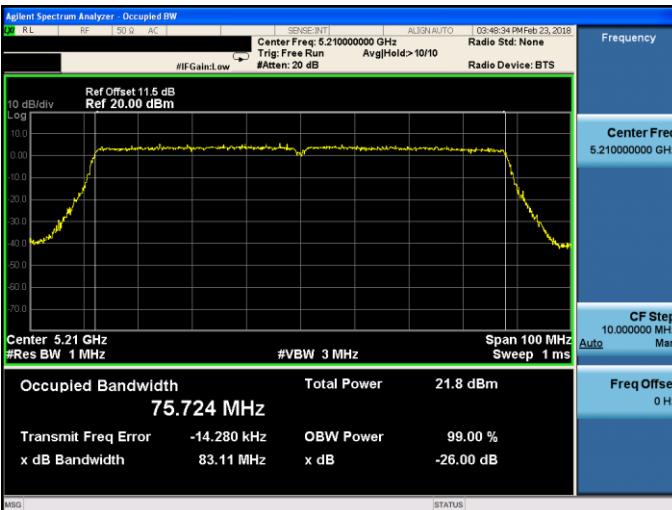
Mode 3: IEEE 802.11ac 20MHz Continuous TX mode_ANT-1

5180 MHz	<p>Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.180000000 GHz SENSE: INT ALIGN: AUTO 03:37:11 PM Feb 23, 2018 #IFGain:Low Trig: Free Run AvgHold>10/10 Radio Std: None #Atten: 20 dB Radio Device: BTS</p>  <p>Frequency Center Freq 5.180000000 GHz</p> <p>CF Step 3.000000 MHz Auto</p> <p>Freq Offset 0 Hz</p> <p>Occupied Bandwidth Total Power 23.6 dBm 17.623 MHz</p> <p>Transmit Freq Error -4.955 kHz OBW Power 99.00 % x dB Bandwidth 20.33 MHz x dB -26.00 dB</p>
5200 MHz	<p>Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.200000000 GHz SENSE: INT ALIGN: AUTO 03:40:42 PM Feb 23, 2018 #IFGain:Low Trig: Free Run AvgHold>10/10 Radio Std: None #Atten: 20 dB Radio Device: BTS</p>  <p>Frequency Center Freq 5.200000000 GHz</p> <p>CF Step 3.000000 MHz Auto</p> <p>Freq Offset 0 Hz</p> <p>Occupied Bandwidth Total Power 24.4 dBm 17.617 MHz</p> <p>Transmit Freq Error -16.695 kHz OBW Power 99.00 % x dB Bandwidth 20.48 MHz x dB -26.00 dB</p>
5240 MHz	<p>Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.240000000 GHz SENSE: INT ALIGN: AUTO 03:41:39 PM Feb 23, 2018 #IFGain:Low Trig: Free Run AvgHold>10/10 Radio Std: None #Atten: 20 dB Radio Device: BTS</p>  <p>Frequency Center Freq 5.240000000 GHz</p> <p>CF Step 3.000000 MHz Auto</p> <p>Freq Offset 0 Hz</p> <p>Occupied Bandwidth Total Power 23.6 dBm 17.631 MHz</p> <p>Transmit Freq Error -18.571 kHz OBW Power 99.00 % x dB Bandwidth 20.34 MHz x dB -26.00 dB</p>

Mode 4: IEEE 802.11ac 40MHz Continuous TX mode_ ANT-1

5190 MHz	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.190000000 GHz SENSE: INT ALIGN: AUTO 03:45:45 PM Feb 23, 2018 #IFGain:Low Trig: Free Run AvgHold>10/10 Radio Std: None Radio Device: BTS</p> <p>Ref Offset: 11.5 dB Ref: 20.00 dBm</p> <p>10 dB/div Log</p> <p>Frequency: Center Freq 5.190000000 GHz</p> <p>CF Step: 5.000000 MHz Auto Man</p> <p>Freq Offset: 0 Hz</p> <p>Occupied Bandwidth: 36.050 MHz Total Power: 22.9 dBm</p> <p>Transmit Freq Error: 7.237 kHz OBW Power: 99.00 %</p> <p>x dB Bandwidth: 39.97 MHz x dB: -26.00 dB</p>
5230 MHz	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.230000000 GHz SENSE: INT ALIGN: AUTO 03:46:48 PM Feb 23, 2018 #IFGain:Low Trig: Free Run AvgHold>10/10 Radio Std: None Radio Device: BTS</p> <p>Ref Offset: 11.5 dB Ref: 20.00 dBm</p> <p>10 dB/div Log</p> <p>Frequency: Center Freq 5.230000000 GHz</p> <p>CF Step: 5.000000 MHz Auto Man</p> <p>Freq Offset: 0 Hz</p> <p>Occupied Bandwidth: 36.034 MHz Total Power: 24.4 dBm</p> <p>Transmit Freq Error: -39.873 kHz OBW Power: 99.00 %</p> <p>x dB Bandwidth: 40.20 MHz x dB: -26.00 dB</p>

Mode 5: IEEE 802.11ac 80MHz Continuous TX mode_ ANT-1

5210 MHz	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.210000000 GHz SENSE: INT ALIGN: AUTO 03:48:34 PM Feb 23, 2018 #IFGain:Low Trig: Free Run AvgHold>10/10 Radio Std: None Radio Device: BTS</p> <p>Ref Offset: 11.5 dB Ref: 20.00 dBm</p> <p>10 dB/div Log</p> <p>Frequency: Center Freq 5.210000000 GHz</p> <p>CF Step: 10.000000 MHz Auto Man</p> <p>Freq Offset: 0 Hz</p> <p>Occupied Bandwidth: 75.724 MHz Total Power: 21.8 dBm</p> <p>Transmit Freq Error: -14.280 kHz OBW Power: 99.00 %</p> <p>x dB Bandwidth: 83.11 MHz x dB: -26.00 dB</p>
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5.5. 6dB RF Bandwidth Measurement

Test Mode	Mode 2: IEEE 802.11a Continuous TX mode		
Frequency (MHz)	6dB Bandwidth (kHz)		Limit (kHz)
	ANT-0	ANT-1	
5745	16370.00	16390	> 500
5785	16360.00	16390	> 500
5825	16400.00	16380	> 500

Test Mode	Mode 3: IEEE 802.11ac 20MHz Continuous TX mode		
Frequency (MHz)	6dB Bandwidth (kHz)		Limit (kHz)
	ANT-0	ANT-1	
5745	17590.00	17620	> 500
5785	17600.00	17590	> 500
5825	17630.00	17610	> 500

Test Mode	Mode 4: IEEE 802.11ac 40MHz Continuous TX mode		
Frequency (MHz)	6dB Bandwidth (kHz)		Limit (kHz)
	ANT-0	ANT-1	
5755	35150.00	35180	> 500
5795	35120.00	35180	> 500

Test Mode	Mode 5: IEEE 802.11ac 80MHz Continuous TX mode		
Frequency (MHz)	6dB Bandwidth (kHz)		Limit (kHz)
	ANT-0	ANT-1	
5775	75270.00	75820	> 500

Beamforming on

Test Mode	Mode 2: IEEE 802.11a Continuous TX mode		
Frequency (MHz)	6dB Bandwidth (kHz)		Limit (kHz)
	ANT-0	ANT-1	
5745	16380.00	16430	> 500
5785	16390.00	16400	> 500
5825	16390.00	16400	> 500

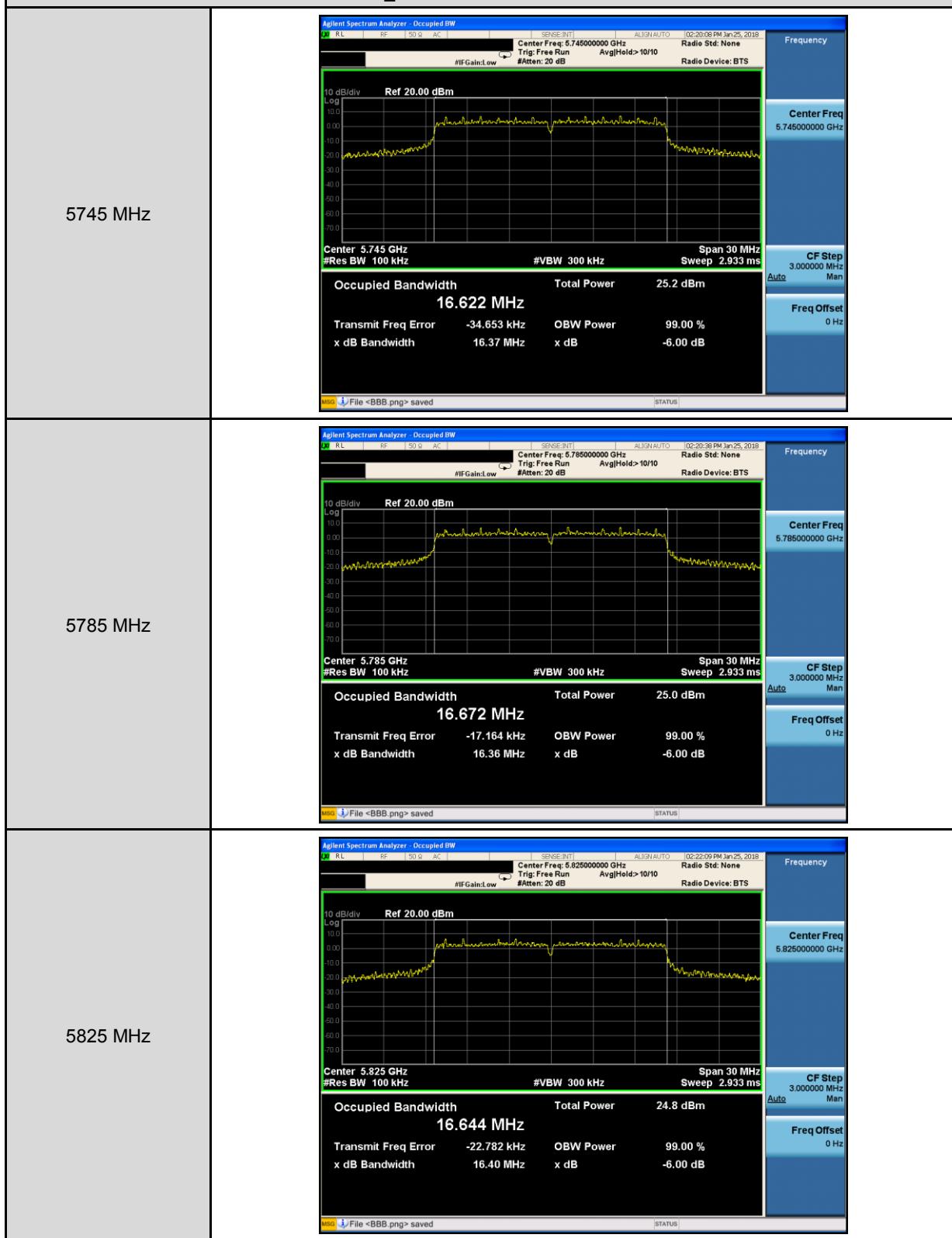
Test Mode	Mode 3: IEEE 802.11ac 20MHz Continuous TX mode		
Frequency (MHz)	6dB Bandwidth (kHz)		Limit (kHz)
	ANT-0	ANT-1	
5745	17600.00	17640	> 500
5785	17630.00	17620	> 500
5825	17610.00	17630	> 500

Test Mode	Mode 4: IEEE 802.11ac 40MHz Continuous TX mode		
Frequency (MHz)	6dB Bandwidth (kHz)		Limit (kHz)
	ANT-0	ANT-1	
5755	35130.00	35890	> 500
5795	35530.00	35320	> 500

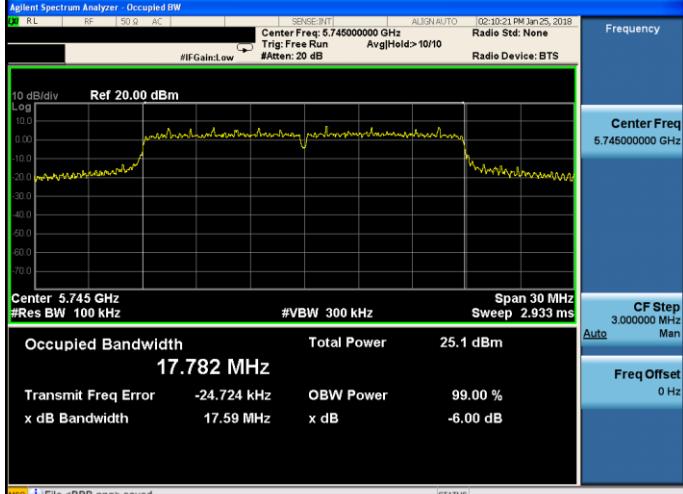
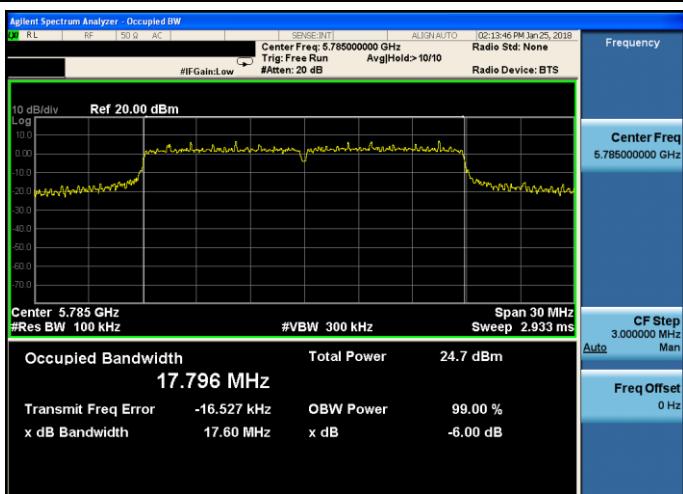
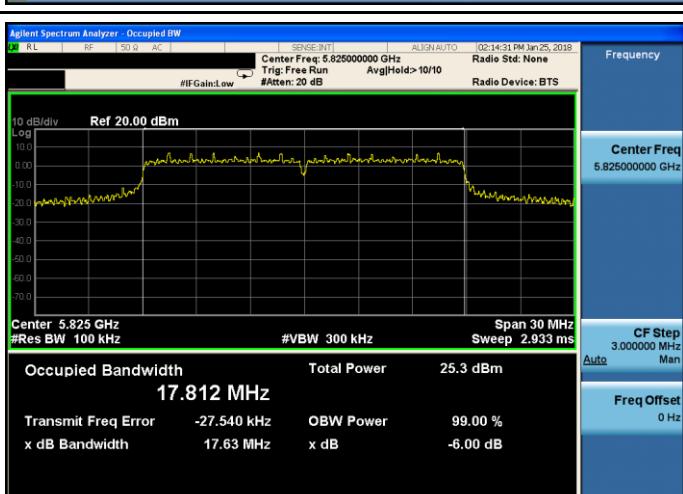
Test Mode	Mode 5: IEEE 802.11ac 80MHz Continuous TX mode		
Frequency (MHz)	6dB Bandwidth (kHz)		Limit (kHz)
	ANT-0	ANT-1	
5775	76320.00	76340	> 500

■ Test Graphs

Mode 2: IEEE 802.11a Continuous TX mode_ANT-0



Mode 3: IEEE 802.11ac 20MHz Continuous TX mode_ANT-0

5745 MHz	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.745000000 GHz Trig: Free Run #Atten: 20 dB</p> <p>Ref 20.00 dBm</p> <p>10 dB/div Log</p> <p>Center 5.745 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>25.1 dBm</td> </tr> <tr> <td>17.782 MHz</td> <td></td> <td></td> </tr> <tr> <td>Transmit Freq Error</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>-24.724 kHz</td> <td>x dB</td> <td>-6.00 dB</td> </tr> <tr> <td>x dB Bandwidth</td> <td></td> <td></td> </tr> <tr> <td>17.59 MHz</td> <td></td> <td></td> </tr> </table> <p>CF Step 3.000000 MHz Freq Offset 0 Hz</p> <p>File <BBB.png> saved STATUS</p>	Occupied Bandwidth	Total Power	25.1 dBm	17.782 MHz			Transmit Freq Error	OBW Power	99.00 %	-24.724 kHz	x dB	-6.00 dB	x dB Bandwidth			17.59 MHz		
Occupied Bandwidth	Total Power	25.1 dBm																	
17.782 MHz																			
Transmit Freq Error	OBW Power	99.00 %																	
-24.724 kHz	x dB	-6.00 dB																	
x dB Bandwidth																			
17.59 MHz																			
5785 MHz	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.785000000 GHz Trig: Free Run #Atten: 20 dB</p> <p>Ref 20.00 dBm</p> <p>10 dB/div Log</p> <p>Center 5.785 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>24.7 dBm</td> </tr> <tr> <td>17.796 MHz</td> <td></td> <td></td> </tr> <tr> <td>Transmit Freq Error</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>-16.527 kHz</td> <td>x dB</td> <td>-6.00 dB</td> </tr> <tr> <td>x dB Bandwidth</td> <td></td> <td></td> </tr> <tr> <td>17.60 MHz</td> <td></td> <td></td> </tr> </table> <p>CF Step 3.000000 MHz Freq Offset 0 Hz</p> <p>File <BBB.png> saved STATUS</p>	Occupied Bandwidth	Total Power	24.7 dBm	17.796 MHz			Transmit Freq Error	OBW Power	99.00 %	-16.527 kHz	x dB	-6.00 dB	x dB Bandwidth			17.60 MHz		
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-16.527 kHz	x dB	-6.00 dB																	
x dB Bandwidth																			
17.60 MHz																			
5825 MHz	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.825000000 GHz Trig: Free Run #Atten: 20 dB</p> <p>Ref 20.00 dBm</p> <p>10 dB/div Log</p> <p>Center 5.825 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>25.3 dBm</td> </tr> <tr> <td>17.812 MHz</td> <td></td> <td></td> </tr> <tr> <td>Transmit Freq Error</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>-27.540 kHz</td> <td>x dB</td> <td>-6.00 dB</td> </tr> <tr> <td>x dB Bandwidth</td> <td></td> <td></td> </tr> <tr> <td>17.63 MHz</td> <td></td> <td></td> </tr> </table> <p>CF Step 3.000000 MHz Freq Offset 0 Hz</p> <p>File <BBB.png> saved STATUS</p>	Occupied Bandwidth	Total Power	25.3 dBm	17.812 MHz			Transmit Freq Error	OBW Power	99.00 %	-27.540 kHz	x dB	-6.00 dB	x dB Bandwidth			17.63 MHz		
Occupied Bandwidth	Total Power	25.3 dBm																	
17.812 MHz																			
Transmit Freq Error	OBW Power	99.00 %																	
-27.540 kHz	x dB	-6.00 dB																	
x dB Bandwidth																			
17.63 MHz																			