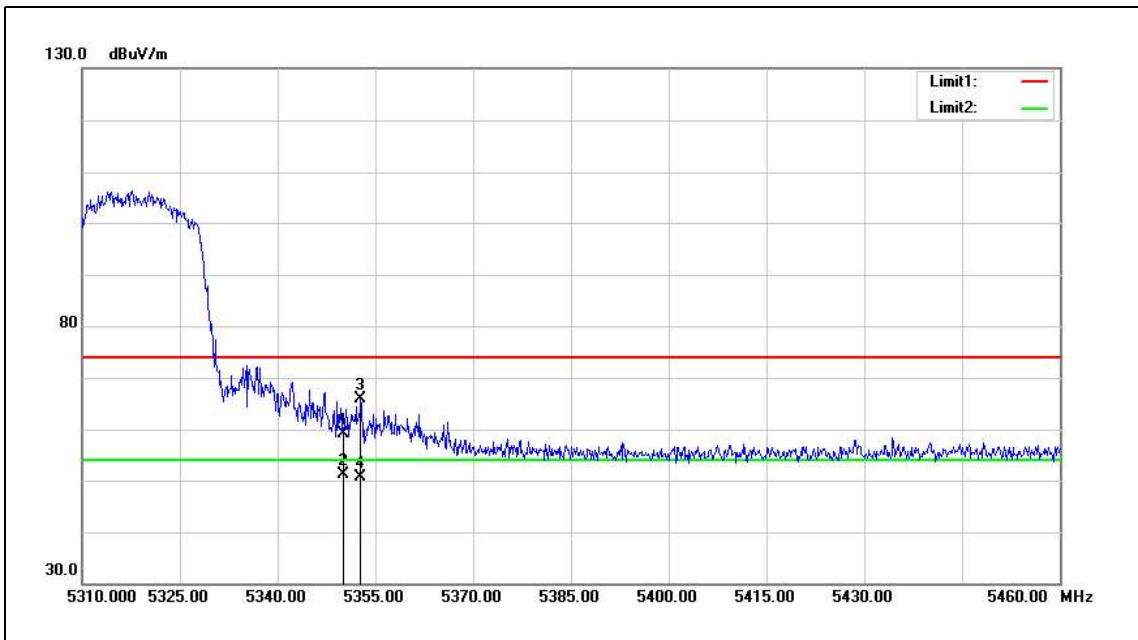




Standard:	FCC Part 15.407	Test Distance:	3m
Test item:	Band edge	Power:	AC 120V/60Hz
Frequency:	5310MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5350.000	52.95	6.07	59.02	74.00	-14.98	peak
2	5350.000	45.09	6.07	51.16	54.00	-2.84	AVG
3	5352.750	59.72	6.08	65.80	74.00	-8.20	peak
4	5352.750	44.66	6.08	50.74	54.00	-3.26	AVG

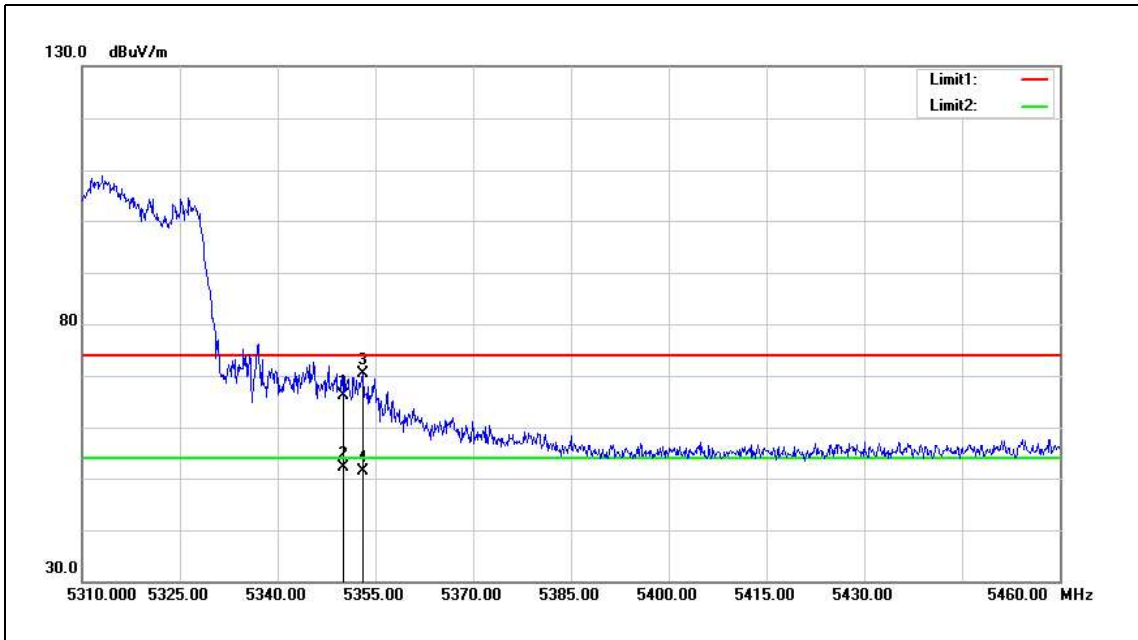
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5310MHz	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	5350.000	60.02	6.07	66.09	74.00	-7.91	peak
2	5350.000	46.12	6.07	52.19	54.00	-1.81	AVG
3	5353.050	64.23	6.08	70.31	74.00	-3.69	peak
4	5353.050	45.40	6.08	51.48	54.00	-2.52	AVG

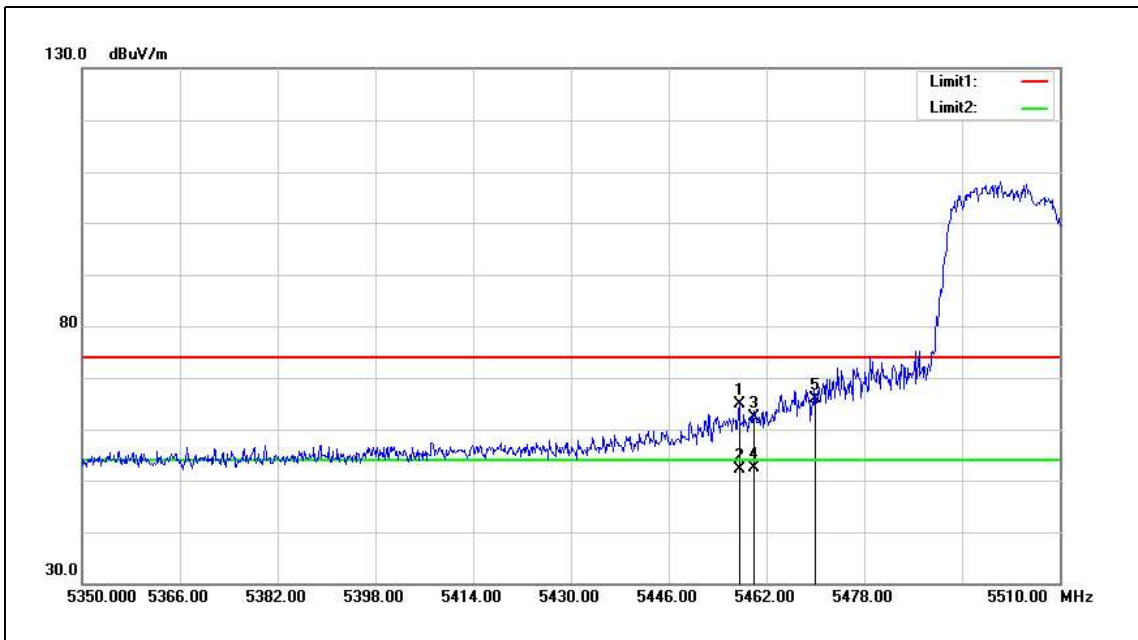
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5510MHz	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	5457.520	58.65	6.22	64.87	74.00	-9.13	peak
2	5457.520	45.97	6.22	52.19	54.00	-1.81	AVG
3	5460.000	56.21	6.24	62.45	74.00	-11.55	peak
4	5460.000	46.14	6.24	52.38	54.00	-1.62	AVG
5	5470.000	59.76	6.24	66.00	68.20	-2.2	peak

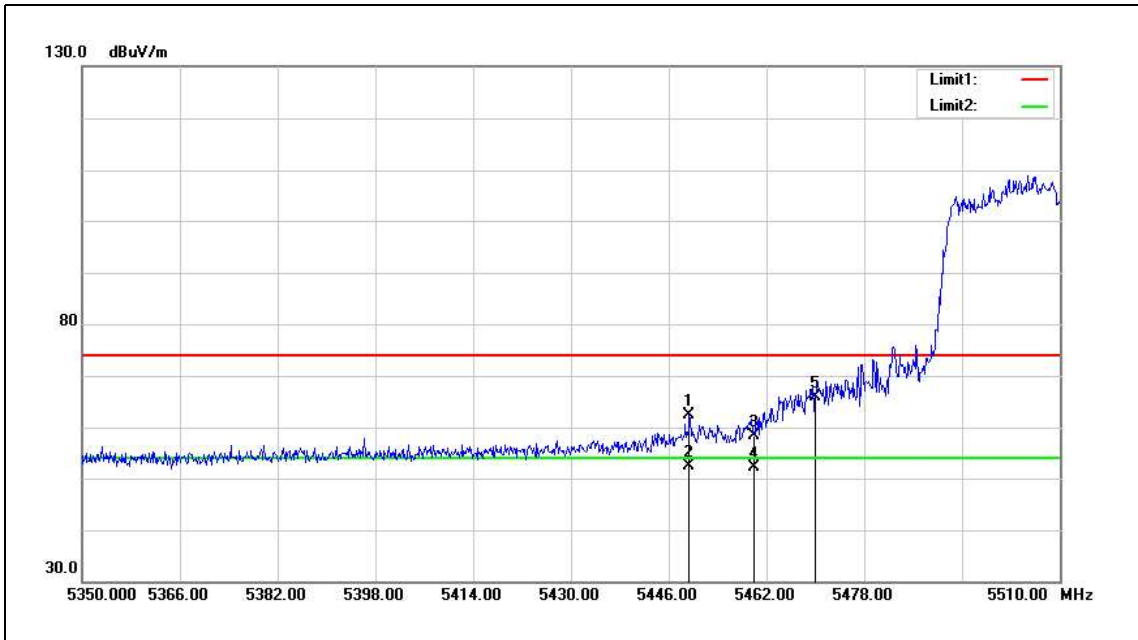
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5510MHz	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	5449.360	56.25	6.22	62.47	74.00	-11.53	peak
2	5449.360	46.16	6.22	52.38	54.00	-1.62	AVG
3	5460.000	52.24	6.24	58.48	74.00	-15.52	peak
4	5460.000	45.97	6.24	52.21	54.00	-1.79	AVG
5	5470.000	59.63	6.24	65.87	68.20	-2.33	peak

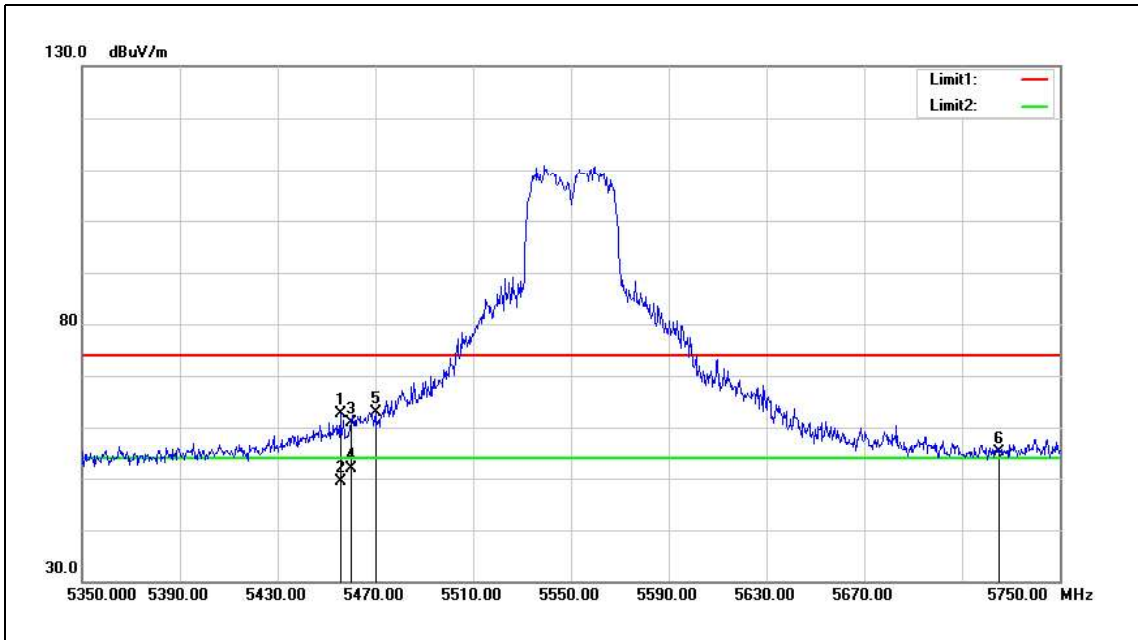
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5550MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	Mode 4		
Ant.Polar.:	Horizontal		

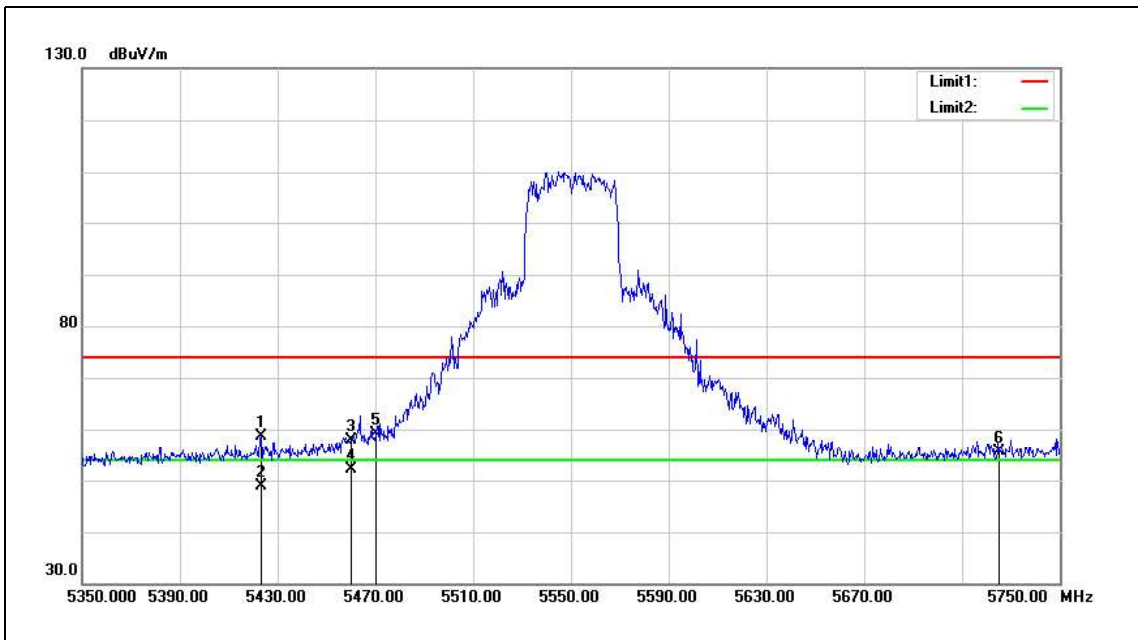


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5455.600	56.31	6.22	62.53	74.00	-11.47	peak
2	5455.600	43.18	6.22	49.40	54.00	-4.60	AVG
3	5460.000	54.65	6.24	60.89	74.00	-13.11	peak
4	5460.000	45.69	6.24	51.93	54.00	-2.07	AVG
5	5470.000	56.56	6.24	62.80	68.20	-5.4	peak
6	5725.000	48.42	6.78	55.20	68.20	-13	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:	5550MHz	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	5423.200	52.48	6.18	58.66	74.00	-15.34	peak
2	5423.200	42.80	6.18	48.98	54.00	-5.02	AVG
3	5460.000	51.64	6.24	57.88	74.00	-16.12	peak
4	5460.000	45.90	6.24	52.14	54.00	-1.86	AVG
5	5470.000	52.84	6.24	59.08	68.20	-9.12	peak
6	5725.000	48.91	6.78	55.69	68.20	-12.51	peak

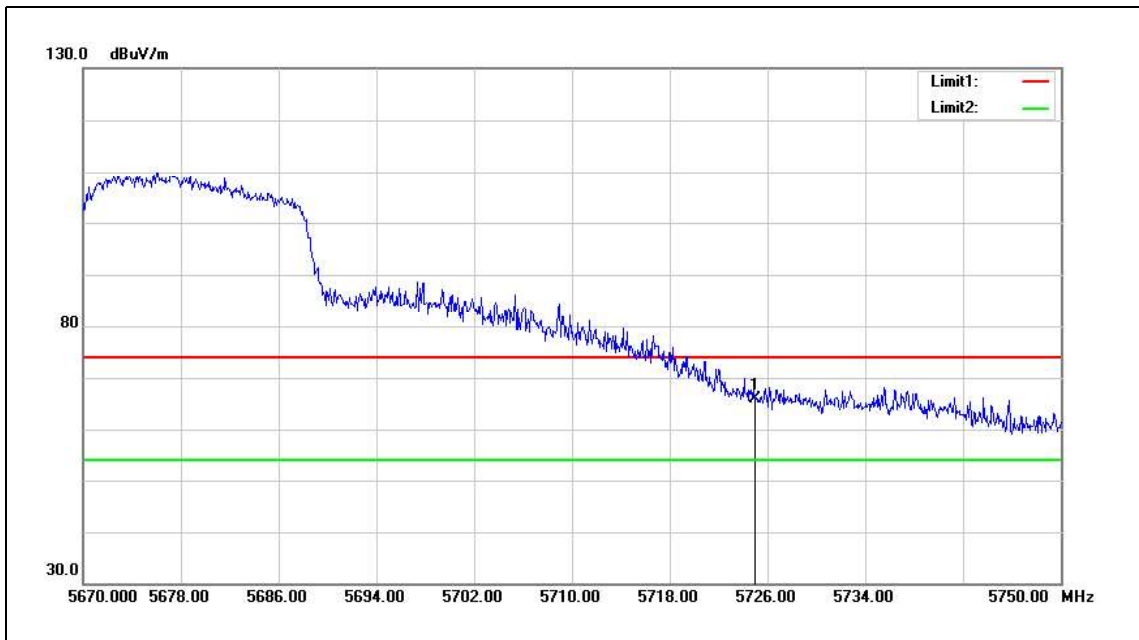
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5670MHz	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	5725.000	59.01	6.78	65.79	68.20	-2.41	peak

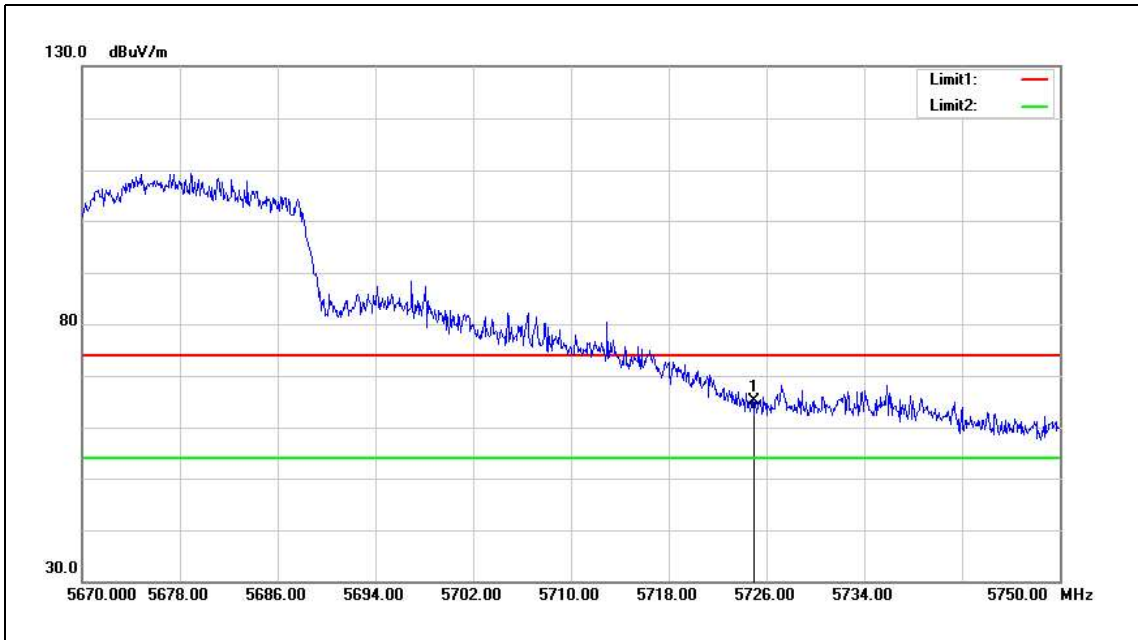
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5670MHz	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	5725.000	58.27	6.78	65.05	68.20	-3.15	peak

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

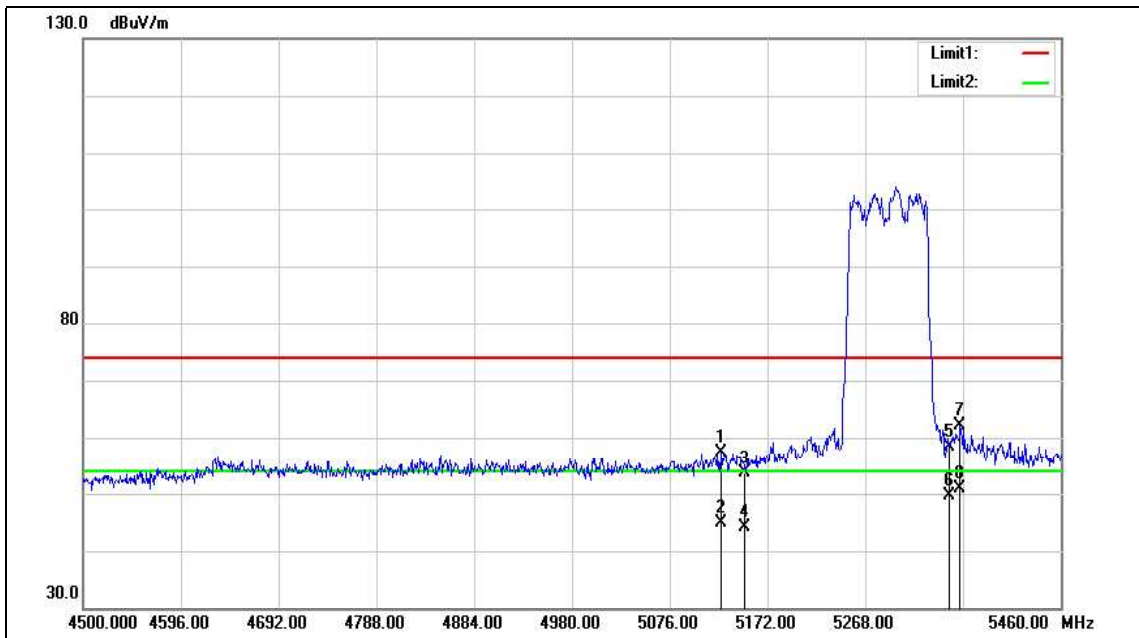
2.Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

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:	5290MHz	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:	5290MHz	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	5126.880	51.53	5.75	57.28	74.00	-16.72	peak
2	5126.880	39.08	5.75	44.83	54.00	-9.17	AVG
3	5150.000	47.95	5.78	53.73	74.00	-20.27	peak
4	5150.000	38.41	5.78	44.19	54.00	-9.81	AVG
5	5350.000	52.26	6.07	58.33	74.00	-15.67	peak
6	5350.000	43.54	6.07	49.61	54.00	-4.39	AVG
7	5361.120	56.10	6.09	62.19	74.00	-11.81	peak
8	5361.120	44.68	6.09	50.77	54.00	-3.23	AVG

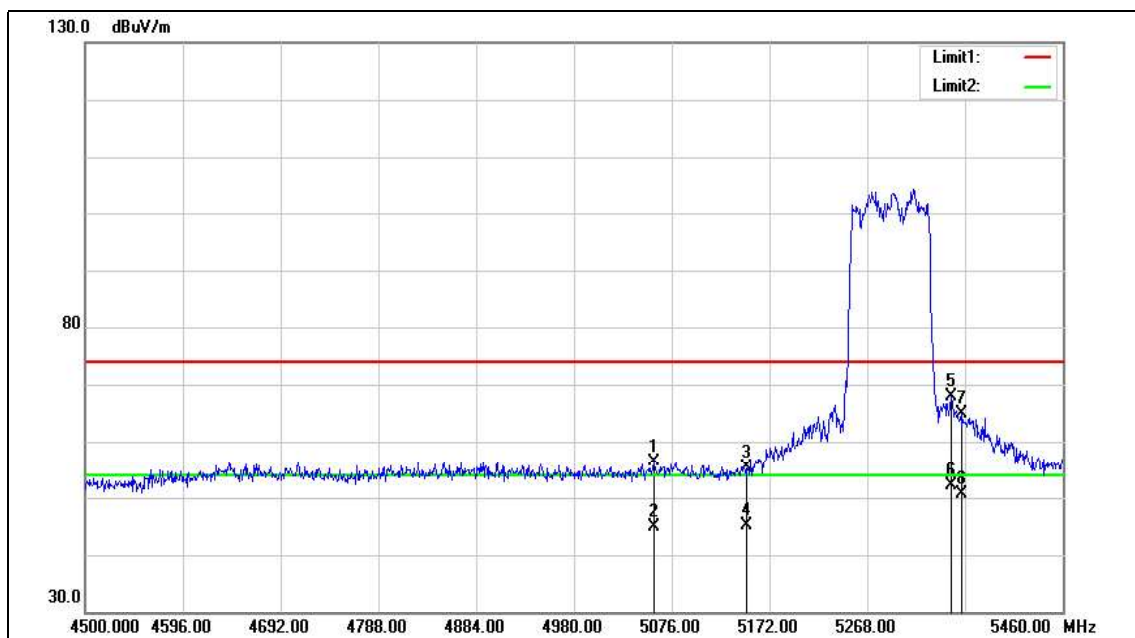
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5290MHz	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:	5290MHz	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	5058.720	50.80	5.64	56.44	74.00	-17.56	peak
2	5058.720	39.12	5.64	44.76	54.00	-9.24	AVG
3	5150.000	49.59	5.78	55.37	74.00	-18.63	peak
4	5150.000	39.25	5.78	45.03	54.00	-8.97	AVG
5	5350.000	61.87	6.07	67.94	74.00	-6.06	peak
6	5350.000	46.09	6.07	52.16	54.00	-1.84	AVG
7	5360.160	58.70	6.09	64.79	74.00	-9.21	peak
8	5360.160	44.59	6.09	50.68	54.00	-3.32	AVG

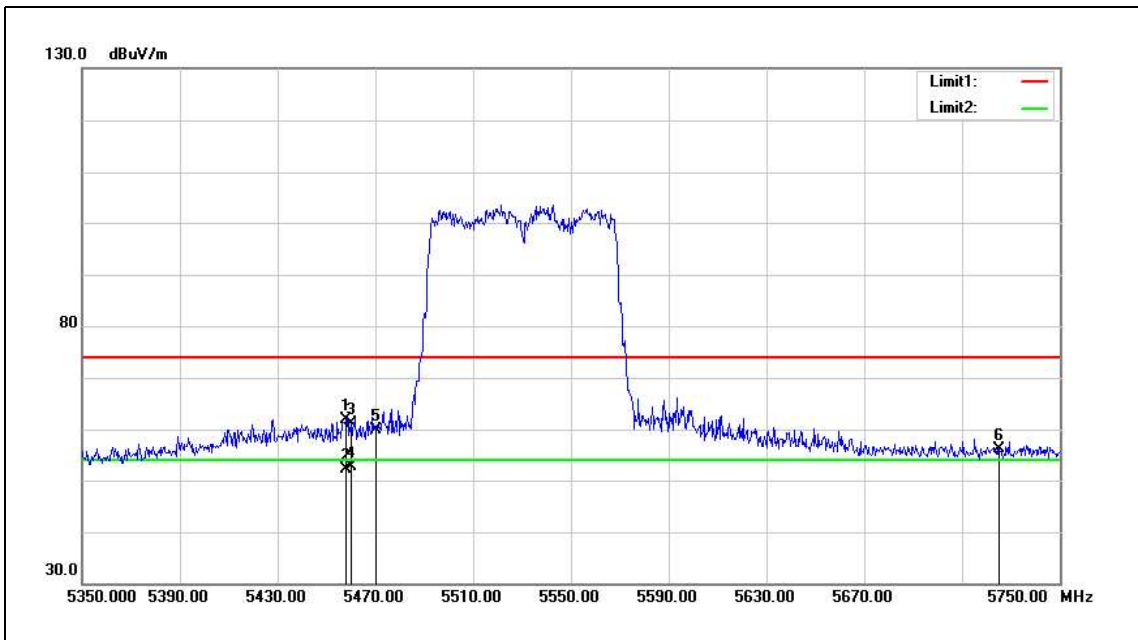
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5530MHz	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	5458.000	55.69	6.22	61.91	74.00	-12.09	peak
2	5458.000	45.96	6.22	52.18	54.00	-1.82	AVG
3	5460.000	54.93	6.24	61.17	74.00	-12.83	peak
4	5460.000	46.46	6.24	52.70	54.00	-1.30	AVG
5	5470.000	53.71	6.24	59.95	68.20	-8.25	peak
6	5725.000	49.39	6.78	56.17	68.20	-12.03	peak

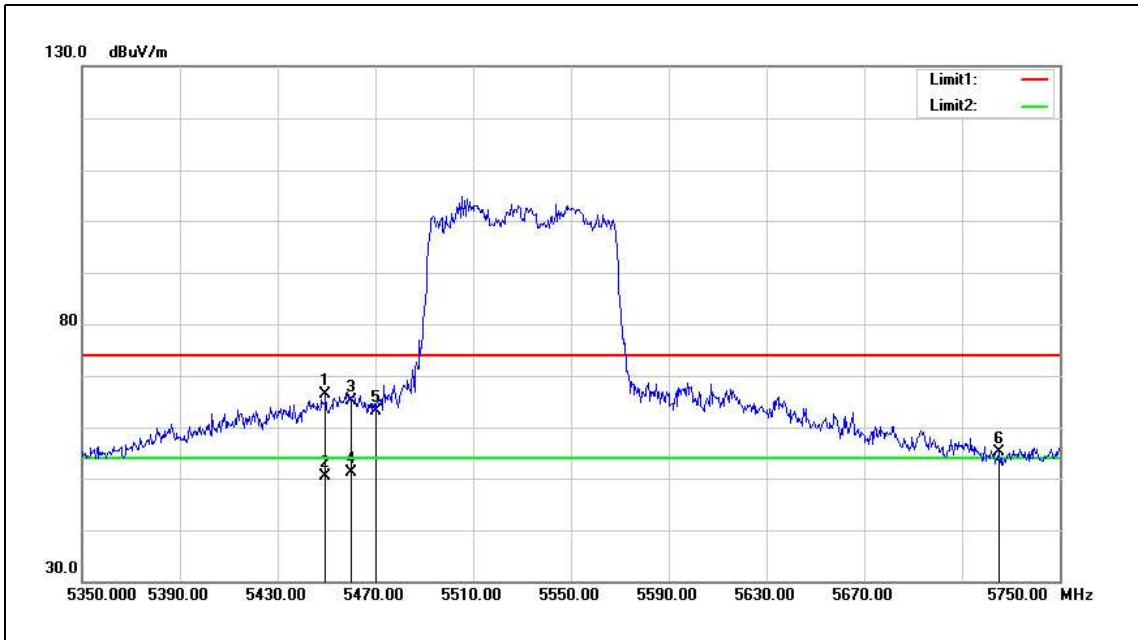
Note:1.Result (dBuV/m) = Correct Factor (dB/m) + Reading(dBuV).

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:	5530MHz	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	5449.600	60.23	6.22	66.45	74.00	-7.55	peak
2	5449.600	44.07	6.22	50.29	54.00	-3.71	AVG
3	5460.000	58.97	6.24	65.21	74.00	-8.79	peak
4	5460.000	44.97	6.24	51.21	54.00	-2.79	AVG
5	5470.000	56.80	6.24	63.04	68.20	-5.16	peak
6	5725.000	48.35	6.78	55.13	68.20	-13.07	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 and Transmit power control Measurement**

Test Item		Maximum Conducted Output Power							
Test Mode		Mode 2: IEEE 802.11a Continuous TX mode							
Frequency (MHz)	Data Rate	ANT-0		ANT-1		ANT-0+1		FCC Limit (dBm)	
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)		
5260.0	6M	17.71	0.059	17.64	0.058	<b>20.69</b>	<b>0.117</b>	≦ 23.15	
5280.0		17.21	0.053	17.17	0.052	20.20	0.105		
5300.0		17.41	0.055	17.25	0.053	20.34	0.108		
5320.0		17.47	0.056	17.09	0.051	20.29	0.107		
5500.0		16.52	0.045	16.22	0.042	<b>19.38</b>	<b>0.087</b>	≦ 23.16	
5520.0		16.28	0.042	16.22	0.042	19.26	0.084		
5540.0		16.30	0.043	16.15	0.041	19.24	0.084		
5560.0		15.52	0.036	15.45	0.035	18.50	0.071		
5580.0		15.55	0.036	15.41	0.035	18.49	0.071		
5660.0		15.45	0.035	15.26	0.034	18.37	0.069		
5680.0		15.43	0.035	15.32	0.034	18.39	0.069		
5700.0		15.16	0.033	15.02	0.032	18.10	0.065		
5260.0		54M	17.65	0.058	17.56	0.057	20.62	0.115	≦ 23.15
5280.0			17.17	0.052	17.12	0.052	20.16	0.104	
5300.0	17.36		0.054	17.20	0.052	20.29	0.107		
5320.0	17.42		0.055	17.03	0.050	20.24	0.106		
5500.0	16.47		0.044	16.16	0.041	19.33	0.086	≦ 23.16	
5520.0	16.22		0.042	16.18	0.041	19.21	0.083		
5540.0	16.25		0.042	16.10	0.041	19.19	0.083		
5560.0	15.46		0.035	15.39	0.035	18.44	0.070		
5580.0	15.49		0.035	15.37	0.034	18.44	0.070		
5660.0	15.40		0.035	15.22	0.033	18.32	0.068		
5680.0	15.38	0.035	15.25	0.033	18.33	0.068			
5700.0	15.11	0.032	14.97	0.031	18.05	0.064			



Test Item		Maximum Conducted Output Power								
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)		
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)			
5260.0	13M	17.72	0.059	17.46	0.056	20.60	0.115	≤ 23.43		
5280.0		17.78	0.060	17.60	0.058	20.70	0.118			
5300.0		17.84	0.061	17.71	0.059	<b>20.79</b>	<b>0.120</b>			
5320.0		17.88	0.061	17.67	0.058	<b>20.79</b>	<b>0.120</b>			
5500.0		16.21	0.042	16.10	0.041	19.17	0.083	≤ 23.46		
5520.0		16.26	0.042	16.32	0.043	<b>19.30</b>	<b>0.085</b>			
5540.0		16.30	0.043	16.26	0.042	19.29	0.085			
5560.0		15.04	0.032	14.81	0.030	17.94	0.062			
5580.0		15.41	0.035	15.33	0.034	18.38	0.069			
5660.0		15.75	0.038	15.44	0.035	18.61	0.073			
5680.0		15.31	0.034	15.25	0.033	18.29	0.067			
5700.0		15.24	0.033	15.12	0.033	18.19	0.066			
5260.0		173.4M	17.68	0.059	17.41	0.055	20.56		0.114	≤ 23.43
5280.0			17.73	0.059	17.55	0.057	20.65		0.116	
5300.0	17.78		0.060	17.66	0.058	20.73	0.118			
5320.0	17.82		0.061	17.63	0.058	20.74	0.118			
5500.0	16.14		0.041	16.03	0.040	19.10	0.081	≤ 23.46		
5520.0	16.21		0.042	16.27	0.042	19.25	0.084			
5540.0	16.25		0.042	16.20	0.042	19.24	0.084			
5560.0	14.99		0.032	14.74	0.030	17.88	0.061			
5580.0	15.37		0.034	15.27	0.034	18.33	0.068			
5660.0	15.69		0.037	15.38	0.035	18.55	0.072			
5680.0	15.26		0.034	15.20	0.033	18.24	0.067			
5700.0	15.18		0.033	15.07	0.032	18.14	0.065			





Test Item		Maximum Conducted Output Power						
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)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5270.0	27M	20.26	0.106	20.12	0.103	<b>23.20</b>	<b>0.209</b>	≤ 24.00
5310.0		17.87	0.061	17.73	0.059	20.81	0.121	
5510.0		18.14	0.065	18.08	0.064	21.12	0.129	≤ 24.00
5550.0		18.41	0.069	18.23	0.067	<b>21.33</b>	<b>0.136</b>	
5670.0		17.85	0.061	17.42	0.055	20.65	0.116	
5270.0	400M	20.22	0.105	20.07	0.102	23.16	0.207	≤ 24.00
5310.0		17.82	0.061	17.68	0.059	20.76	0.119	
5510.0		18.07	0.064	18.03	0.064	21.06	0.128	≤ 24.00
5550.0		18.37	0.069	18.18	0.066	21.29	0.134	
5670.0		17.80	0.060	17.36	0.054	20.60	0.115	

Test Item		Maximum Conducted Output Power						
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)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5290.0	58.6M	17.33	0.054	16.96	0.050	<b>20.16</b>	<b>0.104</b>	≤ 24.00
5530.0		16.81	0.048	16.68	0.047	<b>19.76</b>	<b>0.095</b>	≤ 24.00
5290.0	866.6M	17.28	0.053	16.91	0.049	20.11	0.103	≤ 24.00
5530.0		16.77	0.048	16.65	0.046	19.72	0.094	≤ 24.00



Test Item		Transmit power control				
Test Mode		Mode 2: IEEE 802.11a Continuous TX mode				
Frequency (MHz)	Data Rate	ANT-0+1				FCC Limit (dBm)
		Max. Outup Power (dBm)	Max. Gain (dBi)	E.I.R.P.		
				(dBm)	(W)	
5260.0	6M	19.13	4.50	23.63	0.23	≤24
5280.0		19.30	4.50	23.80	0.24	
5300.0		19.38	4.50	23.88	0.24	
5320.0		19.37	4.50	23.87	0.24	
5500.0		19.01	4.70	23.71	0.24	
5520.0		19.26	4.70	23.96	0.25	
5540.0		19.24	4.70	23.94	0.25	
5560.0		18.50	4.70	23.20	0.21	
5580.0		18.49	4.70	23.19	0.21	
5660.0		18.37	4.70	23.07	0.20	
5680.0		18.39	4.70	23.09	0.20	
5700.0		18.10	4.70	22.80	0.19	
5260.0		54M	19.08	4.50	23.58	
5280.0	19.25		4.50	23.75	0.24	
5300.0	19.33		4.50	23.83	0.24	
5320.0	19.31		4.50	23.81	0.24	
5500.0	18.96		4.70	23.66	0.23	
5520.0	19.21		4.70	23.91	0.25	
5540.0	19.19		4.70	23.89	0.24	
5560.0	18.44		4.70	23.14	0.21	
5580.0	18.44		4.70	23.14	0.21	
5660.0	18.32		4.70	23.02	0.20	
5680.0	18.33	4.70	23.03	0.20		
5700.0	18.05	4.70	22.75	0.19		

Note: EIRP(dBm)=Conducted power(dBm) + Max. Gain (dBi)



Test Item		Transmit power control				
Test Mode		Mode 3: IEEE 802.11ac 20MHz Continuous TX mode				
Frequency (MHz)	Data Rate	ANT-0+1				FCC Limit (dBm)
		Max. Outup Power (dBm)	Max. Gain (dBi)	E.I.R.P.		
				(dBm)	(W)	
5260.0	13M	19.16	4.50	23.66	0.23	≤24
5280.0		19.30	4.50	23.80	0.24	
5300.0		19.24	4.50	23.74	0.24	
5320.0		19.17	4.50	23.67	0.23	
5500.0		19.17	4.70	23.87	0.24	
5520.0		18.95	4.70	23.65	0.23	
5540.0		19.29	4.70	23.99	0.25	
5560.0		17.94	4.70	22.64	0.18	
5580.0		18.38	4.70	23.08	0.20	
5660.0		18.61	4.70	23.31	0.21	
5680.0		18.29	4.70	22.99	0.20	
5700.0		18.19	4.70	22.89	0.19	
5260.0		173.4M	19.11	4.50	23.61	
5280.0	19.24		4.50	23.74	0.24	
5300.0	19.18		4.50	23.68	0.23	
5320.0	19.11		4.50	23.61	0.23	
5500.0	19.10		4.70	23.80	0.24	
5520.0	18.90		4.70	23.60	0.23	
5540.0	19.24		4.70	23.94	0.25	
5560.0	17.88		4.70	22.58	0.18	
5580.0	18.33		4.70	23.03	0.20	
5660.0	18.55		4.70	23.25	0.21	
5680.0	18.24		4.70	22.94	0.20	
5700.0	18.14	4.70	22.84	0.19		

Note: EIRP(dBm)=Conducted power(dBm) + Max. Gain (dBi)



Test Item		Transmit power control				
Test Mode		Mode 4: IEEE 802.11ac 40MHz Continuous TX mode				
Frequency (MHz)	Data Rate	ANT-0+1				FCC Limit (dBm)
		Max. Outup Power	Max. Gain	E.I.R.P.		
		(dBm)	(dBi)	(dBm)	(W)	
5270	27M	18.94	4.50	23.44	0.22	≤24
5310		18.98	4.50	23.48	0.22	
5510		18.92	4.70	23.62	0.23	
5550		19.15	4.70	23.85	0.24	
5670		19.01	4.70	23.71	0.23	
5270	400M	18.89	4.50	23.39	0.22	≤24
5310		18.93	4.50	23.43	0.22	
5510		18.87	4.70	23.57	0.23	
5550		19.11	4.70	23.81	0.24	
5670		18.96	4.70	23.66	0.23	

Test Item		Transmit power control				
Test Mode		Mode 5: IEEE 802.11ac 80MHz Continuous TX mode				
Frequency (MHz)	Data Rate	ANT-0+1				FCC Limit (dBm)
		Max. Outup Power	Max. Gain	E.I.R.P.		
		(dBm)	(dBi)	(dBm)	(W)	
5290.0	58.6M	19.33	4.50	23.83	0.24	≤24
5530.0		19.15	4.70	23.85	0.24	
5290.0	866.6M	19.28	4.50	23.78	0.24	≤24
5530.0		19.10	4.70	23.80	0.24	

Note: EIRP(dBm)=Conducted power(dBm) + Max. Gain (dBi)



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Test Item		Maximum Conducted Output Power						
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)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5260.0	13M	14.46	0.028	14.55	0.029	17.52	0.056	≤ 22.59
5280.0		14.76	0.030	14.48	0.028	17.63	0.058	
5300.0		14.66	0.029	14.58	0.029	17.63	0.058	
5320.0		14.74	0.030	14.64	0.029	<b>17.70</b>	<b>0.059</b>	
5500.0		13.09	0.020	12.96	0.020	<b>16.04</b>	<b>0.040</b>	≤ 21.75
5520.0		13.06	0.020	12.92	0.020	16.00	0.040	
5540.0		13.01	0.020	12.94	0.020	15.99	0.040	
5560.0		11.74	0.015	11.85	0.015	14.81	0.030	
5580.0		12.24	0.017	12.42	0.017	15.34	0.034	
5660.0		12.29	0.017	12.36	0.017	15.34	0.034	
5680.0		12.27	0.017	12.18	0.017	15.24	0.033	
5700.0		11.95	0.016	11.92	0.016	14.95	0.031	
5260.0	173.4M	14.41	0.028	14.49	0.028	17.46	0.056	≤ 22.59
5280.0		14.72	0.030	14.43	0.028	17.59	0.057	
5300.0		14.62	0.029	14.51	0.028	17.58	0.057	
5320.0		14.69	0.029	14.58	0.029	17.65	0.058	
5500.0		13.02	0.020	12.90	0.019	15.97	0.040	≤ 21.75
5520.0		13.01	0.020	12.88	0.019	15.96	0.039	
5540.0		12.96	0.020	12.90	0.019	15.94	0.039	
5560.0		11.68	0.015	11.77	0.015	14.74	0.030	
5580.0		12.20	0.017	12.36	0.017	15.29	0.034	
5660.0		12.23	0.017	12.31	0.017	15.28	0.034	
5680.0		12.23	0.017	12.12	0.016	15.19	0.033	
5700.0		11.90	0.015	11.88	0.015	14.90	0.031	



Test Item		Maximum Conducted Output Power						
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)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5270.0	27M	17.19	0.052	17.03	0.050	<b>20.12</b>	<b>0.103</b>	≤ 22.59
5310.0		14.73	0.030	14.52	0.028	17.64	0.058	
5510.0		14.91	0.031	14.82	0.030	17.88	0.061	≤ 21.75
5550.0		15.28	0.034	15.17	0.033	<b>18.24</b>	<b>0.067</b>	
5670.0		14.65	0.029	14.52	0.028	17.60	0.057	
5270.0	400M	17.13	0.052	16.99	0.050	20.07	0.102	≤ 22.59
5310.0		14.68	0.029	14.46	0.028	17.58	0.057	
5510.0		14.87	0.031	14.77	0.030	17.83	0.061	≤ 21.75
5550.0		15.23	0.033	15.12	0.033	18.19	0.066	
5670.0		14.61	0.029	14.47	0.028	17.55	0.057	

Test Item		Maximum Conducted Output Power						
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)
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	
5290.0	58.6M	14.03	0.025	14.11	0.026	<b>17.08</b>	<b>0.051</b>	≤ 22.59
5530.0		13.45	0.022	13.40	0.022	<b>16.44</b>	<b>0.044</b>	≤ 21.75
5290.0	866.6M	13.99	0.025	14.06	0.025	17.04	0.051	≤ 22.59
5530.0		13.40	0.022	13.36	0.022	16.39	0.044	≤ 21.75



Test Item		Transmit power control				
Test Mode		Mode 3: IEEE 802.11ac 20MHz Continuous TX mode				
Frequency (MHz)	Data Rate	ANT-0+1				FCC Limit (dBm)
		Max. Outup Power (dBm)	Directional Gain (dBi)	E.I.R.P.		
				(dBm)	(W)	
5260.0	13M	16.70	6.84	23.54	0.23	≤24
5280.0		16.83	6.84	23.67	0.23	
5300.0		16.79	6.84	23.63	0.23	
5320.0		16.83	6.84	23.67	0.23	
5500.0		16.04	7.71	23.75	0.24	
5520.0		16.00	7.71	23.71	0.24	
5540.0		15.99	7.71	23.70	0.23	
5560.0		14.81	7.71	22.52	0.18	
5580.0		15.34	7.71	23.05	0.20	
5660.0		15.34	7.71	23.05	0.20	
5680.0		15.24	7.71	22.95	0.20	
5700.0		14.95	7.71	22.66	0.18	
5260.0		173.4M	16.66	6.84	23.50	
5280.0	16.78		6.84	23.62	0.23	
5300.0	16.73		6.84	23.57	0.23	
5320.0	16.79		6.84	23.63	0.23	
5500.0	15.97		7.71	23.68	0.23	
5520.0	15.96		7.71	23.67	0.23	
5540.0	15.94		7.71	23.65	0.23	
5560.0	14.74		7.71	22.45	0.18	
5580.0	15.29		7.71	23.00	0.20	
5660.0	15.28		7.71	22.99	0.20	
5680.0	15.19	7.71	22.90	0.19		
5700.0	14.90	7.71	22.61	0.18		

Note: EIRP(dBm)=Conducted power(dBm) + Directional Gain (dBi)



Test Item		Transmit power control				
Test Mode		Mode 4: IEEE 802.11ac 40MHz Continuous TX mode				
Frequency (MHz)	Data Rate	ANT-0+1				FCC Limit (dBm)
		Max. Outup Power	Directional Gain	E.I.R.P.		
		(dBm)	(dBi)	(dBm)	(W)	
5270	27M	16.78	6.84	23.62	0.23	≤24
5310		16.82	6.84	23.66	0.23	
5510		16.07	7.71	23.78	0.24	
5550		15.81	7.71	23.52	0.22	
5670		15.75	7.71	23.46	0.22	
5270	400M	16.72	6.84	23.56	0.23	≤24
5310		16.77	6.84	23.61	0.23	
5510		16.03	7.71	23.74	0.24	
5550		15.76	7.71	23.47	0.22	
5670		15.71	7.71	23.42	0.22	

Test Item		Transmit power control				
Test Mode		Mode 5: IEEE 802.11ac 80MHz Continuous TX mode				
Frequency (MHz)	Data Rate	ANT-0+1				FCC Limit (dBm)
		Max. Outup Power	Directional Gain	E.I.R.P.		
		(dBm)	(dBi)	(dBm)	(W)	
5290.0	58.6M	17.08	6.84	23.92	0.25	≤24
5530.0		16.01	7.71	23.72	0.24	
5290.0	866.6M	17.04	6.84	23.88	0.24	≤24
5530.0		15.96	7.71	23.67	0.23	

Note: EIRP(dBm)=Conducted power(dBm) + Directional Gain (dBi)





### 5.4. 26dB RF Bandwidth

Test Item	26dB RF Bandwidth Measurement	
Test Mode	Mode 2: IEEE 802.11a Continuous TX mode	
Frequency (MHz)	ANT-0	ANT-1
5260.0	19.950	19.240
5280.0	20.280	19.000
5320.0	20.240	19.920
5500.0	19.330	19.180
5560.0	19.320	24.360
5700.0	20.300	21.850

Test Item	26dB RF Bandwidth Measurement	
Test Mode	Mode 3: IEEE 802.11ac 20MHz Continuous TX mode	
Frequency (MHz)	ANT-0	ANT-1
5260.0	20.490	20.040
5280.0	20.380	19.960
5320.0	20.470	20.110
5500.0	20.270	20.350
5560.0	20.320	20.470
5700.0	20.370	20.250



Test Item	26dB RF Bandwidth Measurement	
Test Mode	Mode 4: IEEE 802.11ac 40MHz Continuous TX mode	
Frequency (MHz)	ANT-0	ANT-1
5270.0	43.260	44.990
5310.0	40.180	39.950
5510.0	40.280	39.810
5550.0	43.230	62.770
5670.0	63.000	65.670

Test Item	26dB RF Bandwidth Measurement	
Test Mode	Mode 5: IEEE 802.11ac 80MHz Continuous TX mode	
Frequency (MHz)	ANT-0	ANT-1
5290.0	83.440	82.970
5530.0	83.490	81.180



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Test Item	26dB RF Bandwidth Measurement	
Test Mode	Mode 3: IEEE 802.11ac 20MHz Continuous TX mode	
Frequency (MHz)	ANT-0	ANT-1
5260.0	20.310	20.050
5280.0	20.240	19.760
5320.0	20.280	19.960
5500.0	20.260	20.180
5560.0	20.470	20.070
5700.0	20.250	20.130

Test Item	26dB RF Bandwidth Measurement	
Test Mode	Mode 4: IEEE 802.11ac 40MHz Continuous TX mode	
Frequency (MHz)	ANT-0	ANT-1
5270.0	39.950	39.800
5310.0	39.930	40.060
5510.0	40.150	39.530
5550.0	40.010	39.620
5670.0	40.240	39.190

Test Item	26dB RF Bandwidth Measurement	
Test Mode	Mode 5: IEEE 802.11ac 80MHz Continuous TX mode	
Frequency (MHz)	ANT-0	ANT-1
5290.0	82.990	82.600
5530.0	83.400	81.940



■ Test Graphs

Mode 2: IEEE 802.11a Continuous TX mode\_ANT-0

5260	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.26000000 GHz Trig: Free Run #Atten: 26 dB Radio Device: BTS</p> <p>Ref Offset: 11.5 dB Ref: 30.00 dBm</p> <p>Center: 5.26 GHz #Res BW: 300 kHz #VBW: 1 MHz Span: 25 MHz Sweep: 1 ms</p> <p>Occupied Bandwidth: 16.479 MHz Total Power: 25.9 dBm</p> <p>Transmit Freq Error: -48.907 kHz OBW Power: 99.00 % x dB Bandwidth: 19.95 MHz x dB: -26.00 dB</p>
5280	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.28000000 GHz Trig: Free Run #Atten: 26 dB Radio Device: BTS</p> <p>Ref Offset: 11.5 dB Ref: 30.00 dBm</p> <p>Center: 5.28 GHz #Res BW: 300 kHz #VBW: 1 MHz Span: 25 MHz Sweep: 1 ms</p> <p>Occupied Bandwidth: 16.498 MHz Total Power: 26.0 dBm</p> <p>Transmit Freq Error: -43.922 kHz OBW Power: 99.00 % x dB Bandwidth: 20.28 MHz x dB: -26.00 dB</p>
5320	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.32000000 GHz Trig: Free Run #Atten: 26 dB Radio Device: BTS</p> <p>Ref Offset: 11.5 dB Ref: 30.00 dBm</p> <p>Center: 5.32 GHz #Res BW: 300 kHz #VBW: 1 MHz Span: 25 MHz Sweep: 1 ms</p> <p>Occupied Bandwidth: 16.515 MHz Total Power: 26.0 dBm</p> <p>Transmit Freq Error: -47.524 kHz OBW Power: 99.00 % x dB Bandwidth: 20.24 MHz x dB: -26.00 dB</p>



Mode 2: IEEE 802.11a Continuous TX mode\_ANT-0

<p>5500</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.50000000 GHz</p> <p>Ref Offset: 11.5 dB Ref: 30.00 dBm</p> <p>Center: 5.5 GHz #Res BW: 300 kHz #VBW: 1 MHz Span: 25 MHz Sweep: 1 ms</p> <p>Occupied Bandwidth: 16.438 MHz</p> <p>Total Power: 24.8 dBm</p> <p>Transmit Freq Error: -48.357 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 19.33 MHz</p> <p>x dB: -26.00 dB</p>
<p>5560</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.56000000 GHz</p> <p>Ref Offset: 11.5 dB Ref: 30.00 dBm</p> <p>Center: 5.56 GHz #Res BW: 300 kHz #VBW: 1 MHz Span: 30 MHz Sweep: 1 ms</p> <p>Occupied Bandwidth: 16.474 MHz</p> <p>Total Power: 25.6 dBm</p> <p>Transmit Freq Error: -43.454 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 19.32 MHz</p> <p>x dB: -26.00 dB</p>
<p>5700</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.70000000 GHz</p> <p>Ref Offset: 11.5 dB Ref: 30.00 dBm</p> <p>Center: 5.7 GHz #Res BW: 300 kHz #VBW: 1 MHz Span: 25 MHz Sweep: 1 ms</p> <p>Occupied Bandwidth: 16.491 MHz</p> <p>Total Power: 26.3 dBm</p> <p>Transmit Freq Error: -40.703 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 20.30 MHz</p> <p>x dB: -26.00 dB</p>



Mode 3: IEEE 802.11ac 20MHz Continuous TX mode\_ANT-0

<p>5260</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.26000000 GHz</p> <p>Ref Offset: 11.5 dB Ref: 30.00 dBm</p> <p>Center: 5.26 GHz</p> <p>Occupied Bandwidth: 17.684 MHz</p> <p>Total Power: 25.7 dBm</p> <p>Transmit Freq Error: -32.507 kHz</p> <p>OBW Power: 99.00 %</p>
<p>5280</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.28000000 GHz</p> <p>Ref Offset: 11.5 dB Ref: 30.00 dBm</p> <p>Center: 5.28 GHz</p> <p>Occupied Bandwidth: 17.687 MHz</p> <p>Total Power: 25.6 dBm</p> <p>Transmit Freq Error: -37.249 kHz</p> <p>OBW Power: 99.00 %</p>
<p>5320</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.32000000 GHz</p> <p>Ref Offset: 11.5 dB Ref: 30.00 dBm</p> <p>Center: 5.32 GHz</p> <p>Occupied Bandwidth: 17.685 MHz</p> <p>Total Power: 25.8 dBm</p> <p>Transmit Freq Error: -43.074 kHz</p> <p>OBW Power: 99.00 %</p>



Mode 3: IEEE 802.11ac 20MHz Continuous TX mode_ANT-0	
5500	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.50000000 GHz</p> <p>Ref Offset: 11.5 dB, Ref: 30.00 dBm</p> <p>Center: 5.5 GHz, Res BW: 300 kHz, Span: 25 MHz, Sweep: 1 ms</p> <p>Occupied Bandwidth: 17.634 MHz</p> <p>Total Power: 24.7 dBm</p> <p>Transmit Freq Error: -60.932 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 20.27 MHz</p>
5560	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.56000000 GHz</p> <p>Ref Offset: 11.5 dB, Ref: 30.00 dBm</p> <p>Center: 5.56 GHz, Res BW: 300 kHz, Span: 25 MHz, Sweep: 1 ms</p> <p>Occupied Bandwidth: 17.616 MHz</p> <p>Total Power: 25.3 dBm</p> <p>Transmit Freq Error: -38.633 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 20.32 MHz</p>
5700	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.70000000 GHz</p> <p>Ref Offset: 11.5 dB, Ref: 30.00 dBm</p> <p>Center: 5.7 GHz, Res BW: 300 kHz, Span: 25 MHz, Sweep: 1 ms</p> <p>Occupied Bandwidth: 17.653 MHz</p> <p>Total Power: 25.0 dBm</p> <p>Transmit Freq Error: -26.623 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 20.37 MHz</p>

Mode 4: IEEE 802.11ac 40MHz Continuous TX mode_ANT-0	
5270	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.27000000 GHz</p> <p>Ref Offset: 11.5 dB Ref: 30.00 dBm</p> <p>Occupied Bandwidth: <b>36.037 MHz</b></p> <p>Total Power: 28.2 dBm</p> <p>Transmit Freq Error: -59.076 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 43.26 MHz</p> <p>x dB: -26.00 dB</p>
5310	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.31000000 GHz</p> <p>Ref Offset: 11.5 dB Ref: 30.00 dBm</p> <p>Occupied Bandwidth: <b>35.996 MHz</b></p> <p>Total Power: 25.2 dBm</p> <p>Transmit Freq Error: -74.738 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 40.18 MHz</p> <p>x dB: -26.00 dB</p>





Mode 4: IEEE 802.11ac 40MHz Continuous TX mode\_ANT-0

<p>5510</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.51000000 GHz</p> <p>Ref Offset: 11.5 dB Ref: 30.00 dBm</p> <p>Center: 5.51 GHz #Res BW: 1 MHz #VBW: 3 MHz Span: 50 MHz Sweep: 1 ms</p> <p>Occupied Bandwidth: 36.183 MHz Total Power: 26.1 dBm</p> <p>Transmit Freq Error: -18.243 kHz OBW Power: 99.00 % x dB Bandwidth: 40.28 MHz x dB: -26.00 dB</p>
<p>5550</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.55000000 GHz</p> <p>Ref Offset: 11.5 dB Ref: 30.00 dBm</p> <p>Center: 5.55 GHz #Res BW: 1 MHz #VBW: 3 MHz Span: 50 MHz Sweep: 1 ms</p> <p>Occupied Bandwidth: 36.163 MHz Total Power: 28.4 dBm</p> <p>Transmit Freq Error: -8.738 kHz OBW Power: 99.00 % x dB Bandwidth: 43.23 MHz x dB: -26.00 dB</p>
<p>5670</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.67000000 GHz</p> <p>Ref Offset: 11.5 dB Ref: 30.00 dBm</p> <p>Center: 5.67 GHz #Res BW: 1 MHz #VBW: 3 MHz Span: 65 MHz Sweep: 1 ms</p> <p>Occupied Bandwidth: 36.818 MHz Total Power: 30.0 dBm</p> <p>Transmit Freq Error: 63.530 kHz OBW Power: 99.00 % x dB Bandwidth: 63.00 MHz x dB: -26.00 dB</p>

Mode 5: IEEE 802.11ac 80MHz Continuous TX mode_ANT-0																			
5290	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.290000000 GHz          Trig: Free Run          Avg/Hold: &gt;10/10          Radio Std: None          Radio Device: BTS</p> <p>Ref Offset: 11.5 dB          Ref: 30.00 dBm</p> <p>Center: 5.29 GHz          #Res BW: 1 MHz          #VBW: 3 MHz          Span: 90 MHz          Sweep: 1 ms</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>24.8 dBm</td> </tr> <tr> <td><b>75.609 MHz</b></td> <td></td> <td></td> </tr> <tr> <td>Transmit Freq Error</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>-71.934 kHz</td> <td>x dB</td> <td>-26.00 dB</td> </tr> <tr> <td>x dB Bandwidth</td> <td></td> <td></td> </tr> <tr> <td>83.44 MHz</td> <td></td> <td></td> </tr> </table>	Occupied Bandwidth	Total Power	24.8 dBm	<b>75.609 MHz</b>			Transmit Freq Error	OBW Power	99.00 %	-71.934 kHz	x dB	-26.00 dB	x dB Bandwidth			83.44 MHz		
Occupied Bandwidth	Total Power	24.8 dBm																	
<b>75.609 MHz</b>																			
Transmit Freq Error	OBW Power	99.00 %																	
-71.934 kHz	x dB	-26.00 dB																	
x dB Bandwidth																			
83.44 MHz																			
5530	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.530000000 GHz          Trig: Free Run          Avg/Hold: &gt;10/10          Radio Std: None          Radio Device: BTS</p> <p>Ref Offset: 11.5 dB          Ref: 30.00 dBm</p> <p>Center: 5.53 GHz          #Res BW: 1 MHz          #VBW: 3 MHz          Span: 90 MHz          Sweep: 1 ms</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>24.3 dBm</td> </tr> <tr> <td><b>75.642 MHz</b></td> <td></td> <td></td> </tr> <tr> <td>Transmit Freq Error</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>18.844 kHz</td> <td>x dB</td> <td>-26.00 dB</td> </tr> <tr> <td>x dB Bandwidth</td> <td></td> <td></td> </tr> <tr> <td>83.49 MHz</td> <td></td> <td></td> </tr> </table>	Occupied Bandwidth	Total Power	24.3 dBm	<b>75.642 MHz</b>			Transmit Freq Error	OBW Power	99.00 %	18.844 kHz	x dB	-26.00 dB	x dB Bandwidth			83.49 MHz		
Occupied Bandwidth	Total Power	24.3 dBm																	
<b>75.642 MHz</b>																			
Transmit Freq Error	OBW Power	99.00 %																	
18.844 kHz	x dB	-26.00 dB																	
x dB Bandwidth																			
83.49 MHz																			



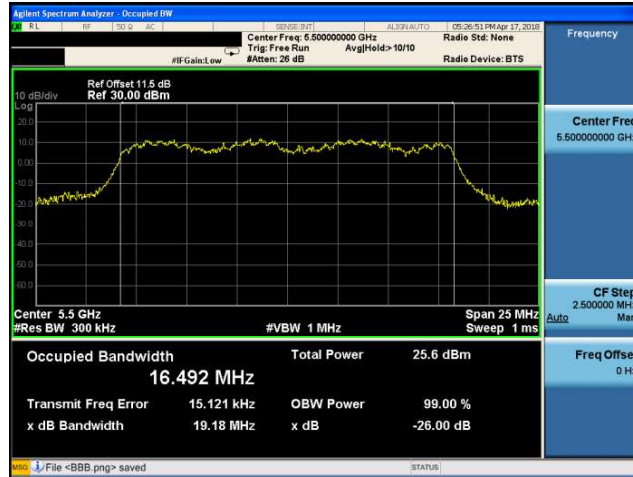
Mode 2: IEEE 802.11a Continuous TX mode\_ANT-1

5260	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.260000000 GHz Trig: Free Run #Atten: 26 dB Radio Device: BTS</p> <p>Ref Offset: 11.5 dB Ref: 30.00 dBm</p> <p>Center: 5.26 GHz #Res BW: 300 kHz #VBW: 1 MHz Span: 25 MHz Sweep: 1 ms</p> <p>Occupied Bandwidth: 16.419 MHz Total Power: 26.2 dBm</p> <p>Transmit Freq Error: -64.866 kHz OBW Power: 99.00 % x dB Bandwidth: 19.24 MHz x dB: -26.00 dB</p>
5280	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.280000000 GHz Trig: Free Run #Atten: 26 dB Radio Device: BTS</p> <p>Ref Offset: 11.5 dB Ref: 30.00 dBm</p> <p>Center: 5.28 GHz #Res BW: 300 kHz #VBW: 1 MHz Span: 25 MHz Sweep: 1 ms</p> <p>Occupied Bandwidth: 16.393 MHz Total Power: 26.2 dBm</p> <p>Transmit Freq Error: -73.598 kHz OBW Power: 99.00 % x dB Bandwidth: 19.00 MHz x dB: -26.00 dB</p>
5320	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.320000000 GHz Trig: Free Run #Atten: 26 dB Radio Device: BTS</p> <p>Ref Offset: 11.5 dB Ref: 30.00 dBm</p> <p>Center: 5.32 GHz #Res BW: 300 kHz #VBW: 1 MHz Span: 25 MHz Sweep: 1 ms</p> <p>Occupied Bandwidth: 16.535 MHz Total Power: 25.5 dBm</p> <p>Transmit Freq Error: -47.431 kHz OBW Power: 99.00 % x dB Bandwidth: 19.92 MHz x dB: -26.00 dB</p>

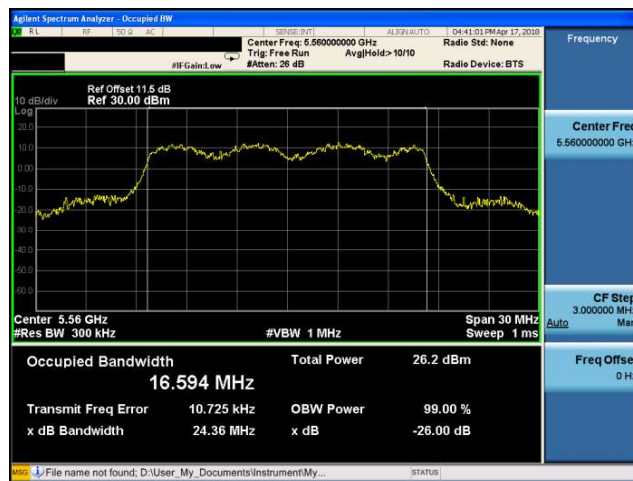


Mode 2: IEEE 802.11a Continuous TX mode\_ANT-1

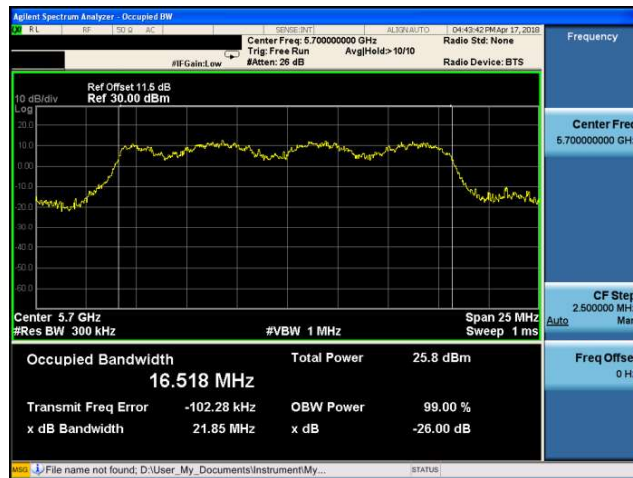
5500



5560



5700





Mode 3: IEEE 802.11ac 20MHz Continuous TX mode\_ANT-1

5260	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.26000000 GHz Trig: Free Run #Gain: Low #Atten: 26 dB Radio Std: None Radio Device: BTS</p> <p>Ref Offset: 11.5 dB Ref: 30.00 dBm</p> <p>Center: 5.26 GHz #Res BW: 300 kHz #VBW: 1 MHz Span: 25 MHz Sweep: 1 ms</p> <p>Occupied Bandwidth: 17.603 MHz Total Power: 26.5 dBm</p> <p>Transmit Freq Error: -32.190 kHz OBW Power: 99.00 % x dB Bandwidth: 20.04 MHz x dB: -26.00 dB</p> <p>File &lt;BBB.png&gt; saved</p>
5280	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.28000000 GHz Trig: Free Run #Gain: Low #Atten: 26 dB Radio Std: None Radio Device: BTS</p> <p>Ref Offset: 11.5 dB Ref: 30.00 dBm</p> <p>Center: 5.28 GHz #Res BW: 300 kHz #VBW: 1 MHz Span: 25 MHz Sweep: 1 ms</p> <p>Occupied Bandwidth: 17.586 MHz Total Power: 25.8 dBm</p> <p>Transmit Freq Error: -27.458 kHz OBW Power: 99.00 % x dB Bandwidth: 19.96 MHz x dB: -26.00 dB</p> <p>File name not found: D:\User_My_Documents\InstrumentMy...</p>
5320	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.32000000 GHz Trig: Free Run #Gain: Low #Atten: 26 dB Radio Std: None Radio Device: BTS</p> <p>Ref Offset: 11.5 dB Ref: 30.00 dBm</p> <p>Center: 5.32 GHz #Res BW: 300 kHz #VBW: 1 MHz Span: 25 MHz Sweep: 1 ms</p> <p>Occupied Bandwidth: 17.510 MHz Total Power: 25.9 dBm</p> <p>Transmit Freq Error: -28.889 kHz OBW Power: 99.00 % x dB Bandwidth: 20.11 MHz x dB: -26.00 dB</p> <p>File &lt;BBB.png&gt; saved</p>



Mode 3: IEEE 802.11ac 20MHz Continuous TX mode_ANT-1																			
5500	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.500000000 GHz          Trig: Free Run          Avg/Hold: &gt;10/10          Radio Std: None          Radio Device: BTS</p> <p>Ref Offset: 11.5 dB          Ref: 30.00 dBm</p> <p>Center: 5.5 GHz          #Res BW: 300 kHz          #VBW: 1 MHz          Span: 25 MHz          Sweep: 1 ms</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>25.4 dBm</td> </tr> <tr> <td><b>17.690 MHz</b></td> <td></td> <td></td> </tr> <tr> <td>Transmit Freq Error</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>-82.480 kHz</td> <td>x dB</td> <td>-26.00 dB</td> </tr> <tr> <td>x dB Bandwidth</td> <td></td> <td></td> </tr> <tr> <td>20.35 MHz</td> <td></td> <td></td> </tr> </table> <p>File &lt;BBB.png&gt; saved</p>	Occupied Bandwidth	Total Power	25.4 dBm	<b>17.690 MHz</b>			Transmit Freq Error	OBW Power	99.00 %	-82.480 kHz	x dB	-26.00 dB	x dB Bandwidth			20.35 MHz		
Occupied Bandwidth	Total Power	25.4 dBm																	
<b>17.690 MHz</b>																			
Transmit Freq Error	OBW Power	99.00 %																	
-82.480 kHz	x dB	-26.00 dB																	
x dB Bandwidth																			
20.35 MHz																			
5560	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.560000000 GHz          Trig: Free Run          Avg/Hold: &gt;10/10          Radio Std: None          Radio Device: BTS</p> <p>Ref Offset: 11.5 dB          Ref: 30.00 dBm</p> <p>Center: 5.56 GHz          #Res BW: 300 kHz          #VBW: 1 MHz          Span: 25 MHz          Sweep: 1 ms</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>25.9 dBm</td> </tr> <tr> <td><b>17.780 MHz</b></td> <td></td> <td></td> </tr> <tr> <td>Transmit Freq Error</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>-67.262 kHz</td> <td>x dB</td> <td>-26.00 dB</td> </tr> <tr> <td>x dB Bandwidth</td> <td></td> <td></td> </tr> <tr> <td>20.47 MHz</td> <td></td> <td></td> </tr> </table> <p>File name not found: D:\User_My_Documents\InstrumentMy...</p>	Occupied Bandwidth	Total Power	25.9 dBm	<b>17.780 MHz</b>			Transmit Freq Error	OBW Power	99.00 %	-67.262 kHz	x dB	-26.00 dB	x dB Bandwidth			20.47 MHz		
Occupied Bandwidth	Total Power	25.9 dBm																	
<b>17.780 MHz</b>																			
Transmit Freq Error	OBW Power	99.00 %																	
-67.262 kHz	x dB	-26.00 dB																	
x dB Bandwidth																			
20.47 MHz																			
5700	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.700000000 GHz          Trig: Free Run          Avg/Hold: &gt;10/10          Radio Std: None          Radio Device: BTS</p> <p>Ref Offset: 11.5 dB          Ref: 30.00 dBm</p> <p>Center: 5.7 GHz          #Res BW: 300 kHz          #VBW: 1 MHz          Span: 25 MHz          Sweep: 1 ms</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>25.1 dBm</td> </tr> <tr> <td><b>17.730 MHz</b></td> <td></td> <td></td> </tr> <tr> <td>Transmit Freq Error</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>-10.023 kHz</td> <td>x dB</td> <td>-26.00 dB</td> </tr> <tr> <td>x dB Bandwidth</td> <td></td> <td></td> </tr> <tr> <td>20.25 MHz</td> <td></td> <td></td> </tr> </table> <p>File &lt;BBB.png&gt; saved</p>	Occupied Bandwidth	Total Power	25.1 dBm	<b>17.730 MHz</b>			Transmit Freq Error	OBW Power	99.00 %	-10.023 kHz	x dB	-26.00 dB	x dB Bandwidth			20.25 MHz		
Occupied Bandwidth	Total Power	25.1 dBm																	
<b>17.730 MHz</b>																			
Transmit Freq Error	OBW Power	99.00 %																	
-10.023 kHz	x dB	-26.00 dB																	
x dB Bandwidth																			
20.25 MHz																			



Mode 4: IEEE 802.11ac 40MHz Continuous TX mode_ANT-1	
5270	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.27000000 GHz</p> <p>Ref Offset: 11.5 dB Ref: 30.00 dBm</p> <p>Occupied Bandwidth: <b>36.248 MHz</b></p> <p>Total Power: 28.4 dBm</p> <p>Transmit Freq Error: -97.657 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 44.99 MHz</p> <p>x dB: -26.00 dB</p>
5310	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.31000000 GHz</p> <p>Ref Offset: 11.5 dB Ref: 30.00 dBm</p> <p>Occupied Bandwidth: <b>36.263 MHz</b></p> <p>Total Power: 24.7 dBm</p> <p>Transmit Freq Error: -99.700 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 39.95 MHz</p> <p>x dB: -26.00 dB</p>



Mode 4: IEEE 802.11ac 40MHz Continuous TX mode\_ANT-1

<p>5510</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.510000000 GHz</p> <p>Ref Offset: 11.5 dB Ref: 30.00 dBm</p> <p>Center: 5.51 GHz #Res BW: 1 MHz #VBW: 3 MHz Span: 50 MHz Sweep: 1 ms</p> <p>Occupied Bandwidth: 35.905 MHz</p> <p>Total Power: 25.8 dBm</p> <p>Transmit Freq Error: 180.40 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 39.81 MHz</p> <p>x dB: -26.00 dB</p>
<p>5550</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.550000000 GHz</p> <p>Ref Offset: 11.5 dB Ref: 30.00 dBm</p> <p>Center: 5.55 GHz #Res BW: 1 MHz #VBW: 3 MHz Span: 65 MHz Sweep: 1 ms</p> <p>Occupied Bandwidth: 36.205 MHz</p> <p>Total Power: 28.5 dBm</p> <p>Transmit Freq Error: 167.07 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 62.77 MHz</p> <p>x dB: -26.00 dB</p>
<p>5670</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.670000000 GHz</p> <p>Ref Offset: 11.5 dB Ref: 30.00 dBm</p> <p>Center: 5.67 GHz #Res BW: 1 MHz #VBW: 3 MHz Span: 70 MHz Sweep: 1 ms</p> <p>Occupied Bandwidth: 36.284 MHz</p> <p>Total Power: 28.3 dBm</p> <p>Transmit Freq Error: -34.179 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 65.67 MHz</p> <p>x dB: -26.00 dB</p>

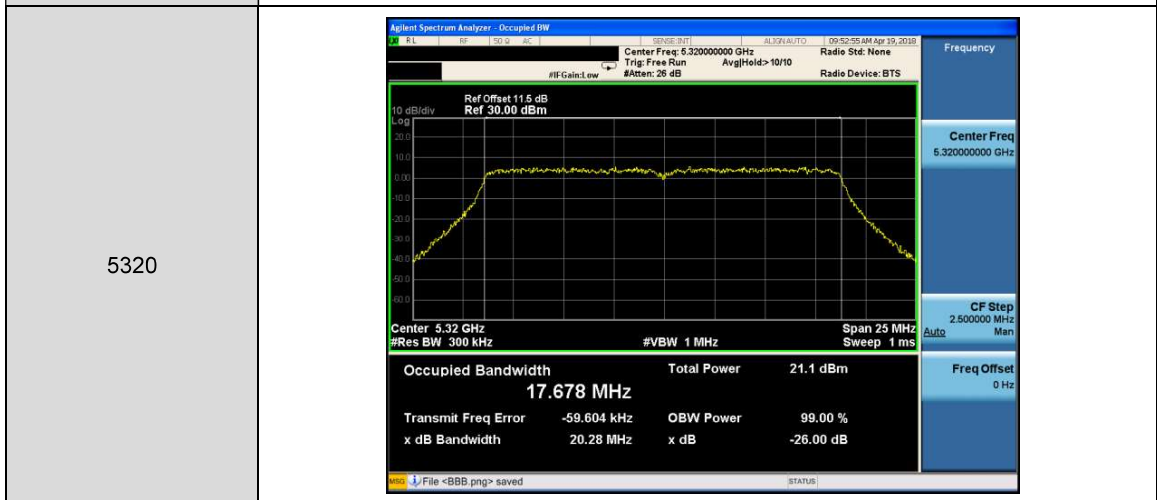
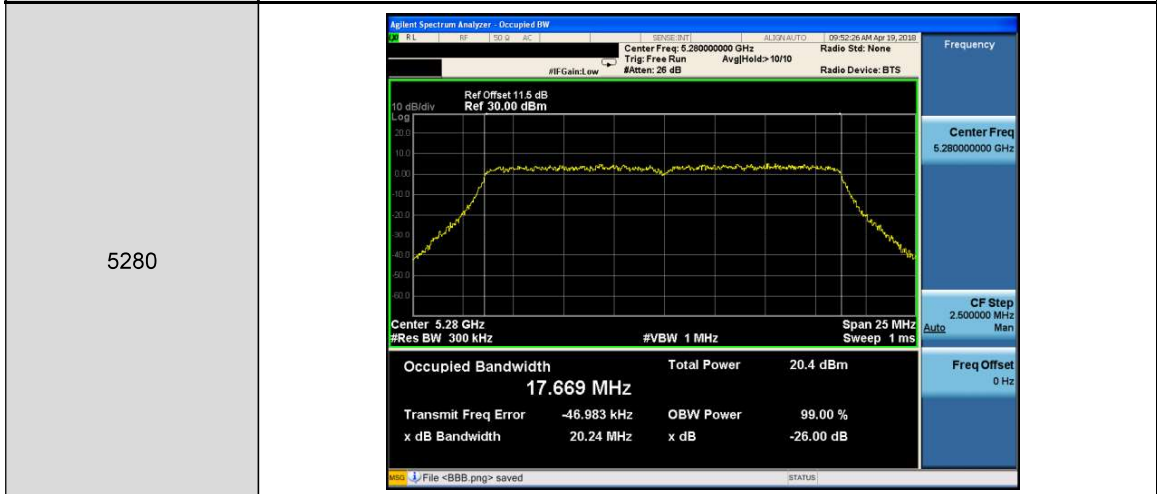
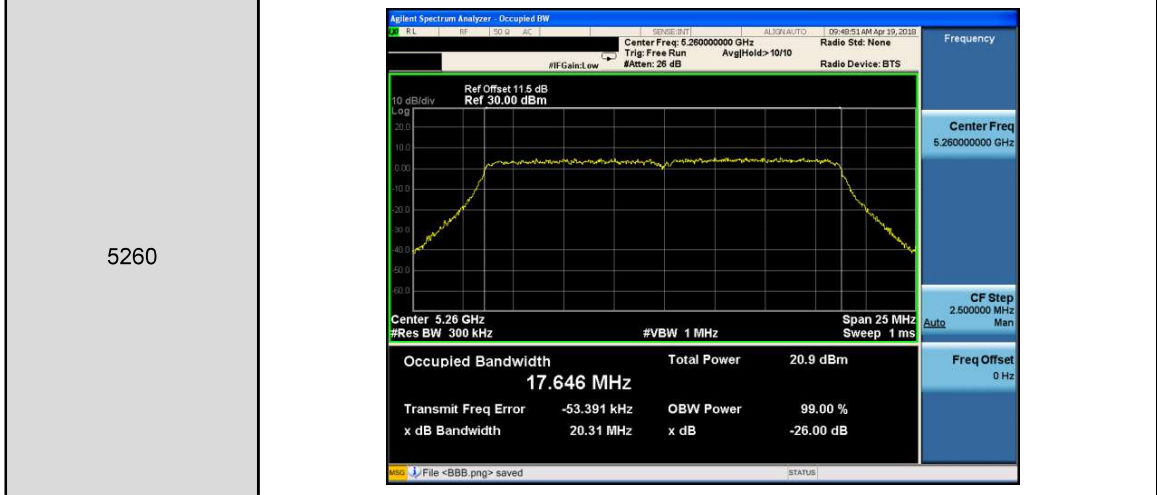


Mode 5: IEEE 802.11ac 80MHz Continuous TX mode_ANT-1	
5290	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.29000000 GHz</p> <p>Ref Offset: 11.5 dB Ref: 30.00 dBm</p> <p>Center 5.29 GHz</p> <p>Occupied Bandwidth <b>75.793 MHz</b></p> <p>Total Power 24.6 dBm</p> <p>Transmit Freq Error -32.870 kHz</p> <p>OBW Power 99.00 %</p>
5530	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.53000000 GHz</p> <p>Ref Offset: 11.5 dB Ref: 30.00 dBm</p> <p>Center 5.53 GHz</p> <p>Occupied Bandwidth <b>75.332 MHz</b></p> <p>Total Power 23.3 dBm</p> <p>Transmit Freq Error 312.13 kHz</p> <p>OBW Power 99.00 %</p>



Beamforming on

Mode 3: IEEE 802.11ac 20MHz Continuous TX mode\_ANT-0





Mode 3: IEEE 802.11ac 20MHz Continuous TX mode\_ANT-0

<p>5500</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.50000000 GHz</p> <p>Ref Offset: 11.5 dB Ref: 30.00 dBm</p> <p>Center: 5.5 GHz #Res BW: 300 kHz #VBW: 1 MHz Span: 25 MHz Sweep: 1 ms</p> <p>Occupied Bandwidth: 17.622 MHz</p> <p>Total Power: 20.2 dBm</p> <p>Transmit Freq Error: -60.508 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 20.26 MHz</p>
<p>5560</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.56000000 GHz</p> <p>Ref Offset: 11.5 dB Ref: 30.00 dBm</p> <p>Center: 5.56 GHz #Res BW: 300 kHz #VBW: 1 MHz Span: 25 MHz Sweep: 1 ms</p> <p>Occupied Bandwidth: 17.607 MHz</p> <p>Total Power: 18.6 dBm</p> <p>Transmit Freq Error: -49.487 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 20.47 MHz</p>
<p>5700</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.70000000 GHz</p> <p>Ref Offset: 11.5 dB Ref: 30.00 dBm</p> <p>Center: 5.7 GHz #Res BW: 300 kHz #VBW: 1 MHz Span: 25 MHz Sweep: 1 ms</p> <p>Occupied Bandwidth: 17.657 MHz</p> <p>Total Power: 21.2 dBm</p> <p>Transmit Freq Error: -36.830 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 20.25 MHz</p>

Mode 4: IEEE 802.11ac 40MHz Continuous TX mode_ANT-0	
5270	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.27000000 GHz</p> <p>Ref Offset: 11.5 dB Ref: 30.00 dBm</p> <p>Occupied Bandwidth: <b>36.013 MHz</b></p> <p>Total Power: 24.9 dBm</p> <p>Transmit Freq Error: -65.661 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 39.95 MHz</p>
5310	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.31000000 GHz</p> <p>Ref Offset: 11.5 dB Ref: 30.00 dBm</p> <p>Occupied Bandwidth: <b>35.921 MHz</b></p> <p>Total Power: 22.1 dBm</p> <p>Transmit Freq Error: -67.661 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 39.93 MHz</p>



Mode 4: IEEE 802.11ac 40MHz Continuous TX mode\_ANT-0

5510	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.510000000 GHz Trig: Free Run #Atten: 26 dB Radio Device: BTS</p> <p>Ref Offset: 11.5 dB Ref: 30.00 dBm</p> <p>Center: 5.51 GHz #Res BW: 1 MHz #VBW: 3 MHz Span: 50 MHz Sweep: 1 ms</p> <p>Occupied Bandwidth: 36.004 MHz Total Power: 22.4 dBm</p> <p>Transmit Freq Error: -23.532 kHz OBW Power: 99.00 % x dB Bandwidth: 40.15 MHz x dB: -26.00 dB</p>
5550	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.550000000 GHz Trig: Free Run #Atten: 26 dB Radio Device: BTS</p> <p>Ref Offset: 11.5 dB Ref: 30.00 dBm</p> <p>Center: 5.55 GHz #Res BW: 1 MHz #VBW: 3 MHz Span: 50 MHz Sweep: 1 ms</p> <p>Occupied Bandwidth: 36.013 MHz Total Power: 24.1 dBm</p> <p>Transmit Freq Error: -8.691 kHz OBW Power: 99.00 % x dB Bandwidth: 40.01 MHz x dB: -26.00 dB</p>
5670	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.670000000 GHz Trig: Free Run #Atten: 26 dB Radio Device: BTS</p> <p>Ref Offset: 11.5 dB Ref: 30.00 dBm</p> <p>Center: 5.67 GHz #Res BW: 1 MHz #VBW: 3 MHz Span: 50 MHz Sweep: 1 ms</p> <p>Occupied Bandwidth: 36.026 MHz Total Power: 24.6 dBm</p> <p>Transmit Freq Error: -11.022 kHz OBW Power: 99.00 % x dB Bandwidth: 40.24 MHz x dB: -26.00 dB</p>