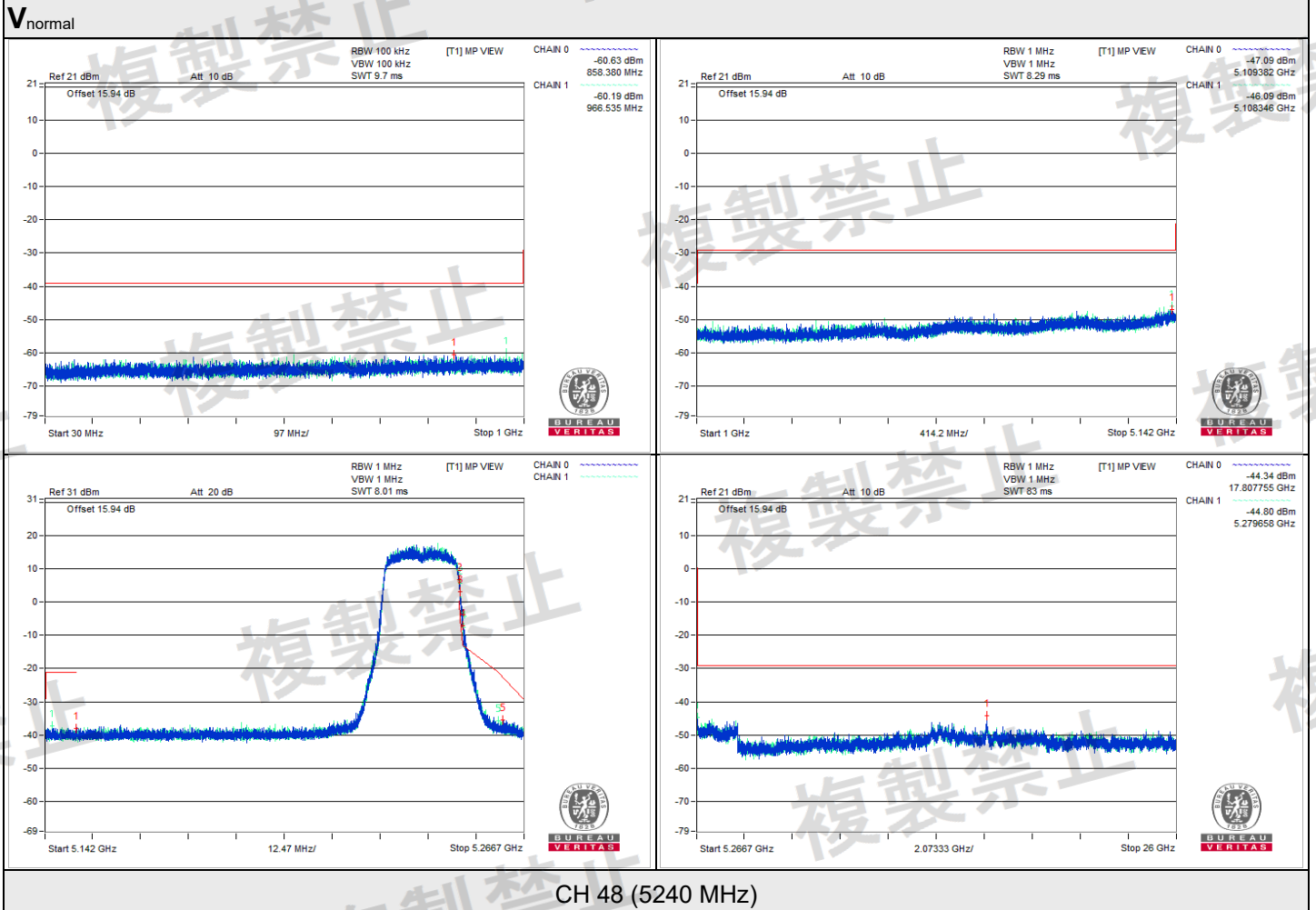




802.11ax (HE20) [Worst result] x [Number of antenna ports]: W52

TEST CHANNEL		CH 36 (5180 MHz)		
TEST CONDITION	FREQUENCY RANGE(MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	0.002158 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 5142.0	0.061522 uW/MHz	2.5 uW/MHz	PASS
	5142.0 to 5150.0	0.384618 uW/MHz	15 uW/MHz	PASS
	5250.0 to 5250.2	0.306218 uW/MHz	726.66348 uW/MHz	PASS
	5250.2 to 5251.0	0.299936 uW/MHz	480.83935 uW/MHz	PASS
	5251.0 to 5260.0	0.374136 uW/MHz	38.49659 uW/MHz	PASS
	5260.0 to 5266.7	0.372418 uW/MHz	2.68945 uW/MHz	PASS
	5266.7 to 26000.0	0.097058 uW/MHz	2.5 uW/MHz	PASS
TEST CHANNEL		CH 48 (5240 MHz)		
V _{normal}	30.0 to 1000.0	0.001914 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 5142.0	0.049208 uW/MHz	2.5 uW/MHz	PASS
	5142.0 to 5150.0	0.370706 uW/MHz	15 uW/MHz	PASS
	5250.0 to 5250.2	1225.427200 uW/MHz	2154.43469 uW/MHz	PASS
	5250.2 to 5251.0	573.945220 uW/MHz	575.43994 uW/MHz	PASS
	5251.0 to 5260.0	17.558232 uW/MHz	99.61187 uW/MHz	PASS
	5260.0 to 5266.7	0.567584 uW/MHz	10.72729 uW/MHz	PASS
	5266.7 to 26000.0	0.073626 uW/MHz	2.5 uW/MHz	PASS

802.11ax (HE20) Chain 0: W53

TEST CHANNEL		CH 52 (5260 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	976.841	0.000914 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5233.3	5227.479	0.027861 uW/MHz	1.25 uW/MHz	PASS
	5233.3 to 5240.0	5238.902	0.379315 uW/MHz	5.855014 uW/MHz	PASS
	5240.0 to 5249.0	5248.938	7.116868 uW/MHz	49.369519 uW/MHz	PASS(1)
	5249.0 to 5249.8	5249.667	105.277464 uW/MHz	232.257638 uW/MHz	PASS(2)
	5249.8 to 5250.0	5249.959	352.800631 uW/MHz	837.471437 uW/MHz	PASS(3)
	5350.0 to 26000.0	17796.787	0.027669 uW/MHz	1.25 uW/MHz	PASS
TEST CHANNEL		CH 64 (5320 MHz)			
V _{normal}	30.0 to 1000.0	921.794	0.001132 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5233.3	5144.930	0.025235 uW/MHz	1.25 uW/MHz	PASS
	5233.3 to 5240.0	5236.261	0.177828 uW/MHz	2.827305 uW/MHz	PASS
	5240.0 to 5249.0	5245.539	0.167109 uW/MHz	24.622127 uW/MHz	PASS
	5249.0 to 5249.8	5249.755	0.201372 uW/MHz	284.426466 uW/MHz	PASS
	5249.8 to 5250.0	5249.915	0.133045 uW/MHz	639.19986 uW/MHz	PASS
	5350.0 to 26000.0	17809.694	0.028445 uW/MHz	1.25 uW/MHz	PASS

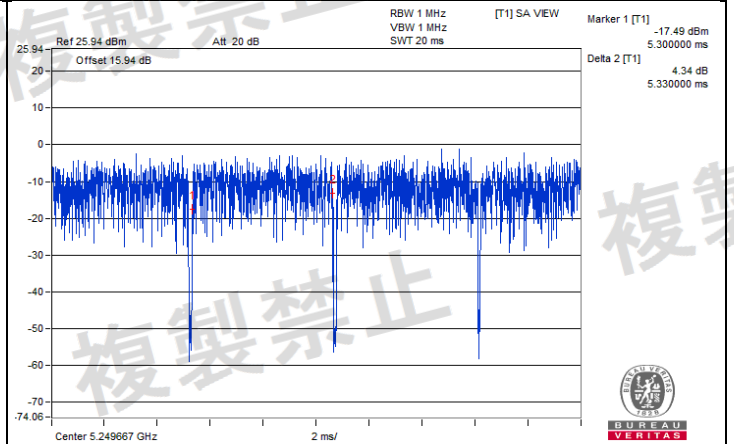
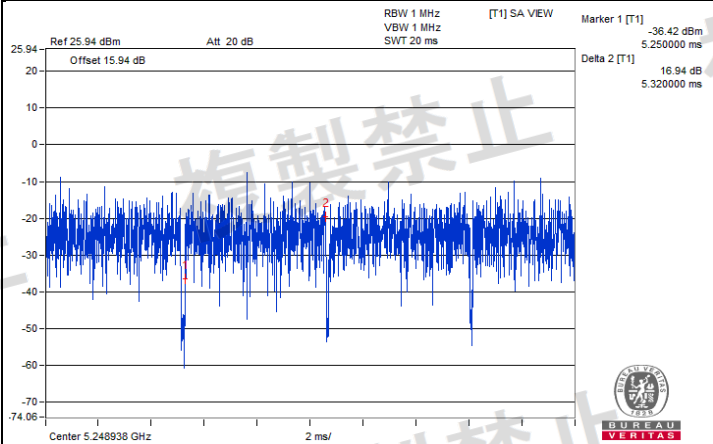
NOTE: 1. The spectrum plots are attached on the following pages.

2. (No.): The value was tested under Measuring Mode *Zero Span.



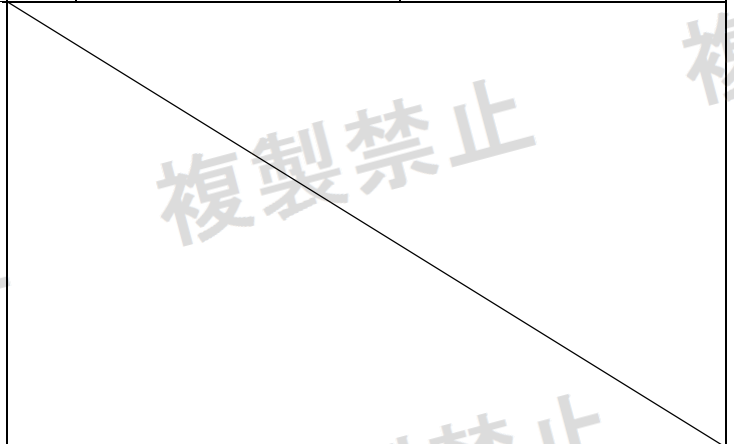
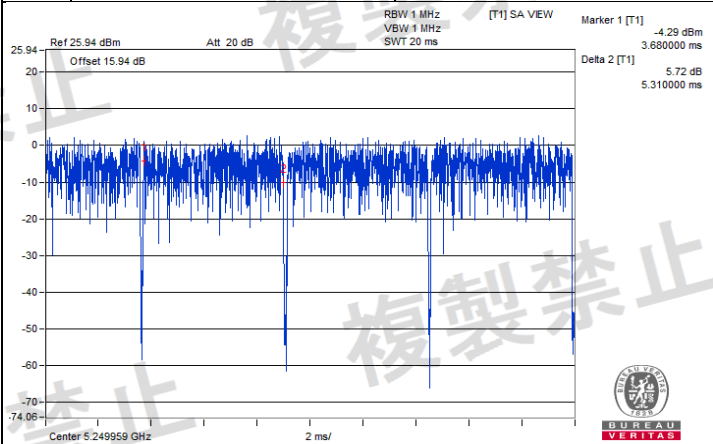
Measuring Mode *Zero Span

1. Set the spectrum analyzer as below and it takes in a value of all data point.
2. Regarding the all data value, it transforms the “dBm” value into “uW” value.
3. It adds the all values and calculates a grand total. Define a grand total as “P”.
4. It divides “P” by sample data point (>400) and calculates the mean value.
5. It reports the mean value.



1 5248.938MHz P = 7.116868 uW/MHz

2 5249.667MHz P = 105.277464 uW/MHz



3 5249.959MHz P = 352.800631 uW/MHz

802.11ax (HE20) Chain 1: W53

TEST CHANNEL		CH 52 (5260 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	585.446	0.001014 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5233.3	5233.300	0.042364 uW/MHz	1.25 uW/MHz	PASS
	5233.3 to 5240.0	5236.524	0.353997 uW/MHz	3.03988 uW/MHz	PASS
	5240.0 to 5249.0	5248.734	5.292986 uW/MHz	47.350608 uW/MHz	PASS(1)
	5249.0 to 5249.8	5249.784	167.31428 uW/MHz	304.067501 uW/MHz	PASS(2)
	5249.8 to 5250.0	5249.988	412.771807 uW/MHz	1000.698703 uW/MHz	PASS(3)
	5350.0 to 26000.0	5742.350	0.032734 uW/MHz	1.25 uW/MHz	PASS
TEST CHANNEL		CH 64 (5320 MHz)			
V _{normal}	30.0 to 1000.0	923.128	0.001349 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5233.3	5175.092	0.028119 uW/MHz	1.25 uW/MHz	PASS
	5233.3 to 5240.0	5235.561	0.178649 uW/MHz	2.331177 uW/MHz	PASS
	5240.0 to 5249.0	5241.411	0.188365 uW/MHz	10.577724 uW/MHz	PASS
	5249.0 to 5249.8	5249.084	0.160694 uW/MHz	60.669443 uW/MHz	PASS
	5249.8 to 5250.0	5249.988	0.13213 uW/MHz	1000.698703 uW/MHz	PASS
	5350.0 to 26000.0	5350.000	0.039719 uW/MHz	1.25 uW/MHz	PASS

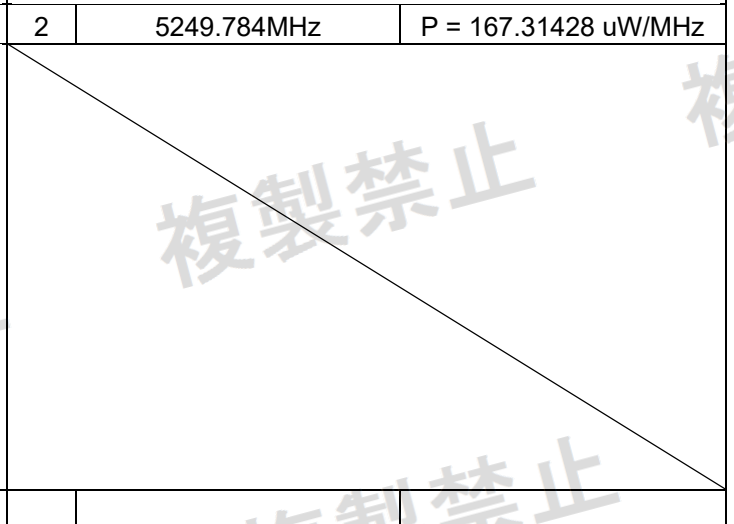
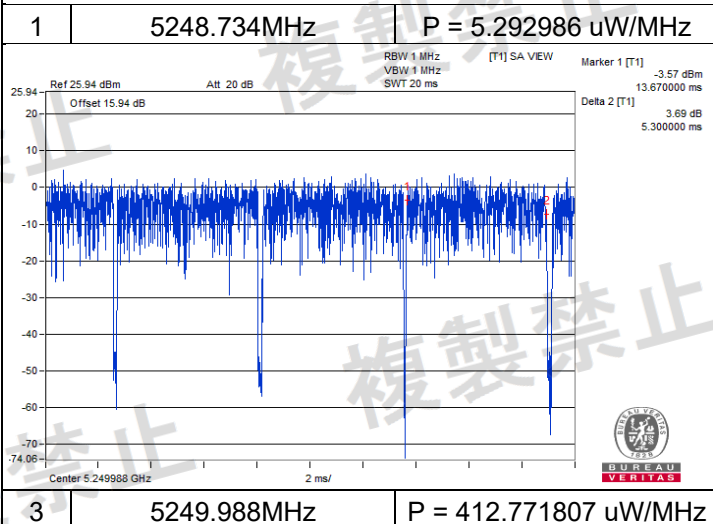
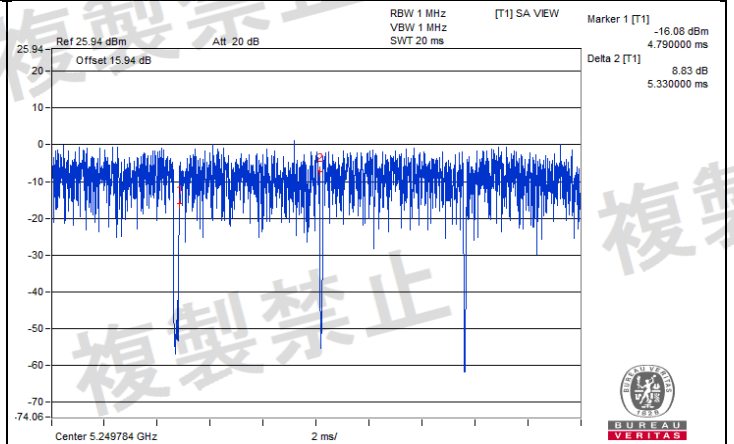
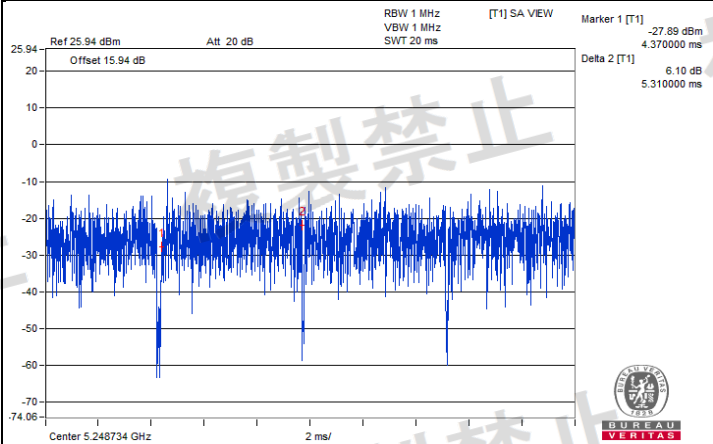
NOTE: 1. The spectrum plots are attached on the following pages.

2. (No.): The value was tested under Measuring Mode *Zero Span.



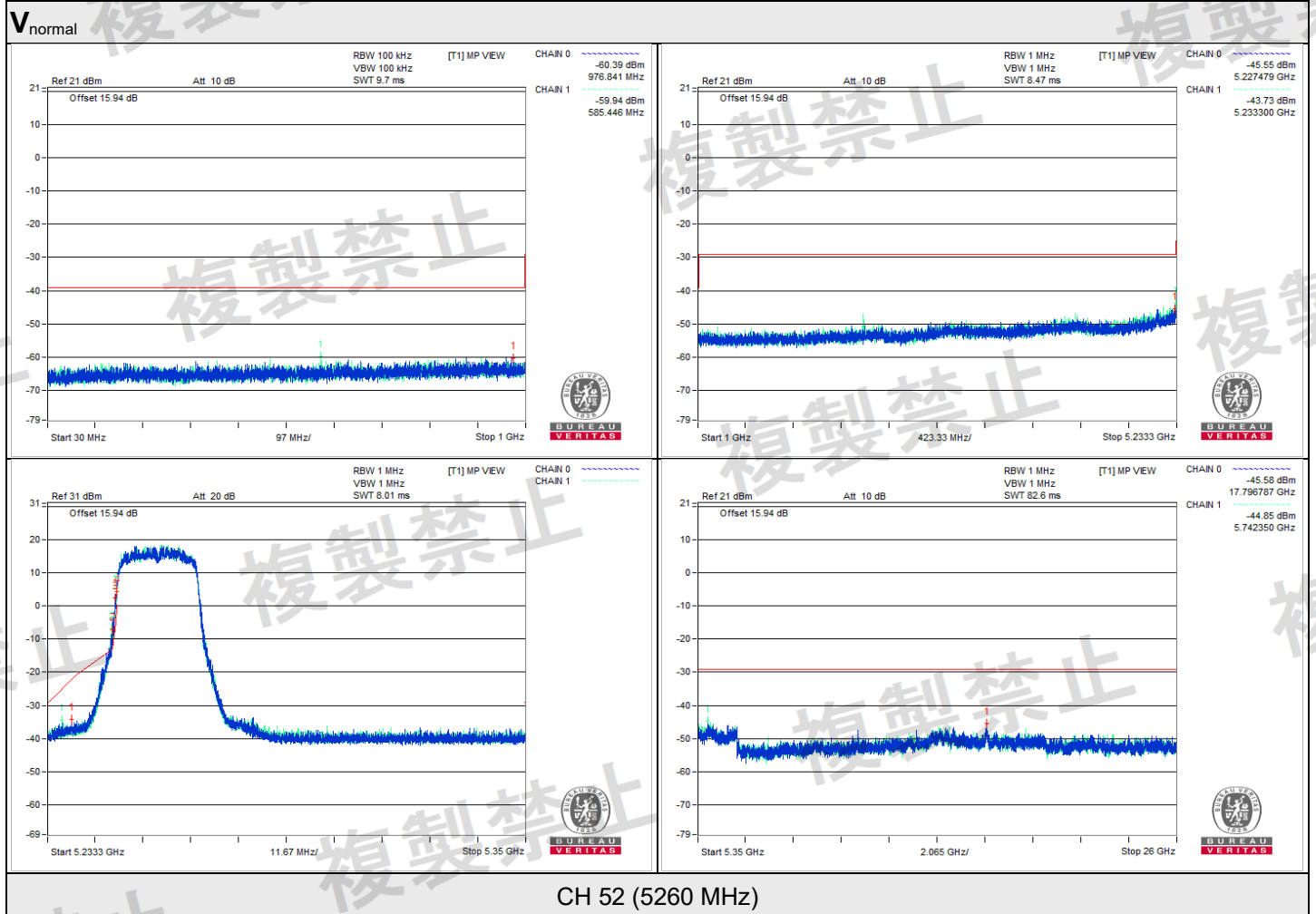
Measuring Mode *Zero Span

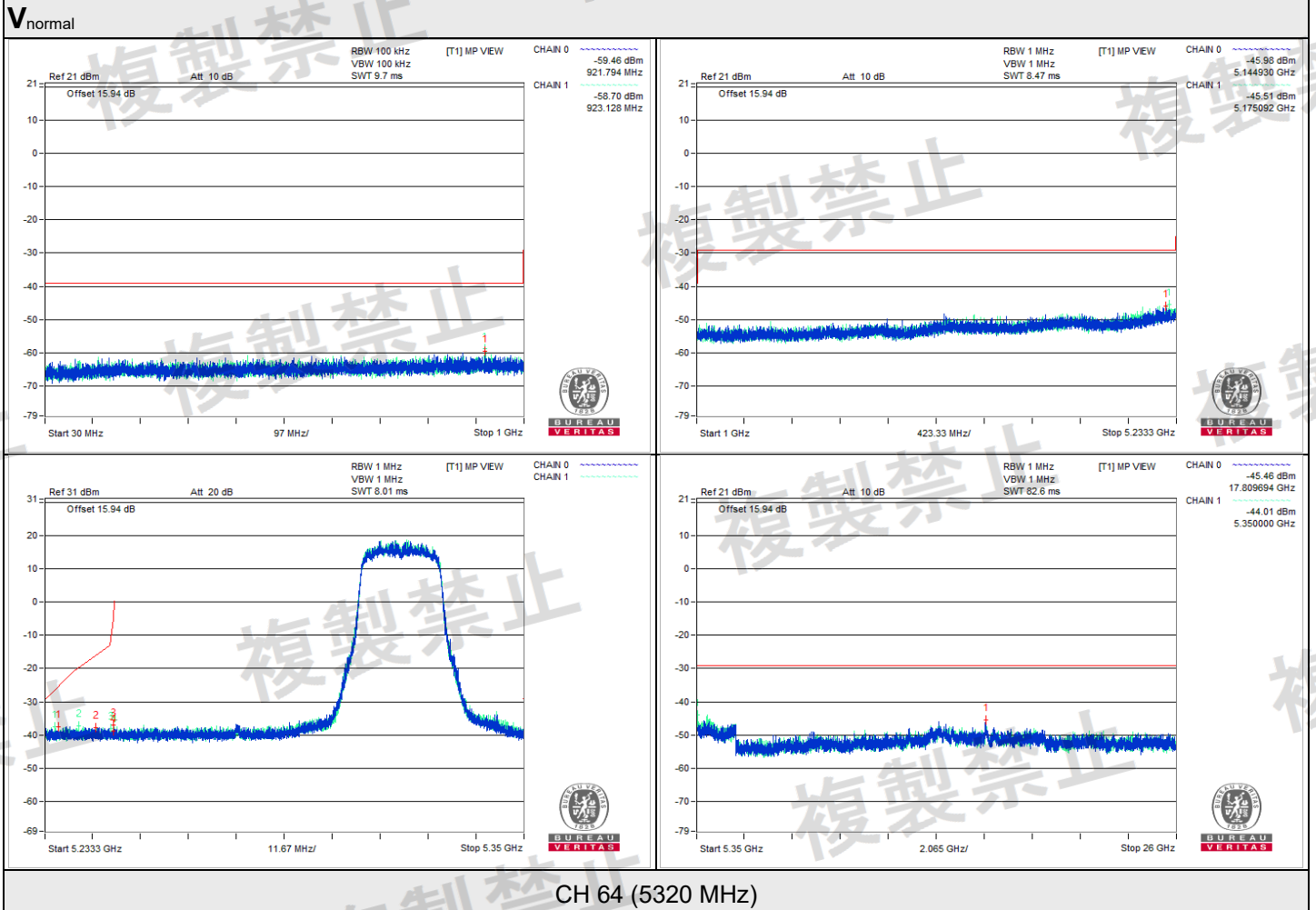
1. Set the spectrum analyzer as below and it takes in a value of all data point.
2. Regarding the all data value, it transforms the "dBm" value into "uW" value.
3. It adds the all values and calculates a grand total. Define a grand total as "P".
4. It divides "P" by sample data point (>400) and calculates the mean value.
5. It reports the mean value.



1	5248.734MHz	P = 5.292986 uW/MHz	2	5249.784MHz	P = 167.31428 uW/MHz
3	5249.988MHz	P = 412.771807 uW/MHz			

802.11ax (HE20) Graph: W53





802.11ax (HE20) [Worst result] x [Number of antenna ports]: W53

TEST CHANNEL		CH 52 (5260 MHz)		
TEST CONDITION	FREQUENCY RANGE(MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	0.002028 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 5233.3	0.084728 uW/MHz	2.5 uW/MHz	PASS
	5233.3 to 5240.0	0.758630 uW/MHz	11.71003 uW/MHz	PASS
	5240.0 to 5249.0	14.233736 uW/MHz	98.73904 uW/MHz	PASS
	5249.0 to 5249.8	334.628560 uW/MHz	608.135 uW/MHz	PASS
	5249.8 to 5250.0	825.543614 uW/MHz	2001.39741 uW/MHz	PASS
	5350.0 to 26000.0	0.065468 uW/MHz	2.5 uW/MHz	PASS
TEST CHANNEL		CH 64 (5320 MHz)		
V _{normal}	30.0 to 1000.0	0.002698 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 5233.3	0.056238 uW/MHz	2.5 uW/MHz	PASS
	5233.3 to 5240.0	0.357298 uW/MHz	4.66235 uW/MHz	PASS
	5240.0 to 5249.0	0.376730 uW/MHz	21.15545 uW/MHz	PASS
	5249.0 to 5249.8	0.402744 uW/MHz	568.85293 uW/MHz	PASS
	5249.8 to 5250.0	0.266090 uW/MHz	1278.39972 uW/MHz	PASS
	5350.0 to 26000.0	0.079438 uW/MHz	2.5 uW/MHz	PASS

802.11ax (HE20) Chain 0: W56

TEST CHANNEL		CH 100 (5500 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	839.344	0.001012 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5460.0	5458.885	0.097499 uW/MHz	1.25 uW/MHz	PASS
	5460.0 to 5470.0	5468.502	0.40738 uW/MHz	6.25 uW/MHz	PASS
	5745.0 to 5765.0	5747.272	0.333426 uW/MHz	6.25 uW/MHz	PASS
	5765.0 to 26000.0	5820.646	0.061944 uW/MHz	1.25 uW/MHz	PASS
TEST CHANNEL		CH 120 (5600 MHz)			
V _{normal}	30.0 to 1000.0	881.054	0.001028 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5460.0	5406.480	0.052966 uW/MHz	1.25 uW/MHz	PASS
	5460.0 to 5470.0	5465.109	0.192309 uW/MHz	6.25 uW/MHz	PASS
	5745.0 to 5765.0	5760.158	0.305492 uW/MHz	6.25 uW/MHz	PASS
	5765.0 to 26000.0	5952.174	0.040738 uW/MHz	1.25 uW/MHz	PASS
TEST CHANNEL		CH 140 (5700 MHz)			
V _{normal}	30.0 to 1000.0	846.740	0.001189 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5460.0	5280.485	0.047424 uW/MHz	1.25 uW/MHz	PASS
	5460.0 to 5470.0	5467.206	0.209894 uW/MHz	6.25 uW/MHz	PASS
	5745.0 to 5765.0	5752.228	0.370681 uW/MHz	6.25 uW/MHz	PASS
	5765.0 to 26000.0	5952.174	0.046238 uW/MHz	1.25 uW/MHz	PASS
TEST CHANNEL		CH 144 (5720 MHz)			
V _{normal}	30.0 to 1000.0	990.543	0.001016 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5460.0	5350.172	0.040926 uW/MHz	1.25 uW/MHz	PASS
	5460.0 to 5470.0	5460.991	0.200447 uW/MHz	6.25 uW/MHz	PASS
	5745.0 to 5765.0	5745.175	0.691831 uW/MHz	6.25 uW/MHz	PASS
	5765.0 to 26000.0	5767.529	0.07145 uW/MHz	1.25 uW/MHz	PASS

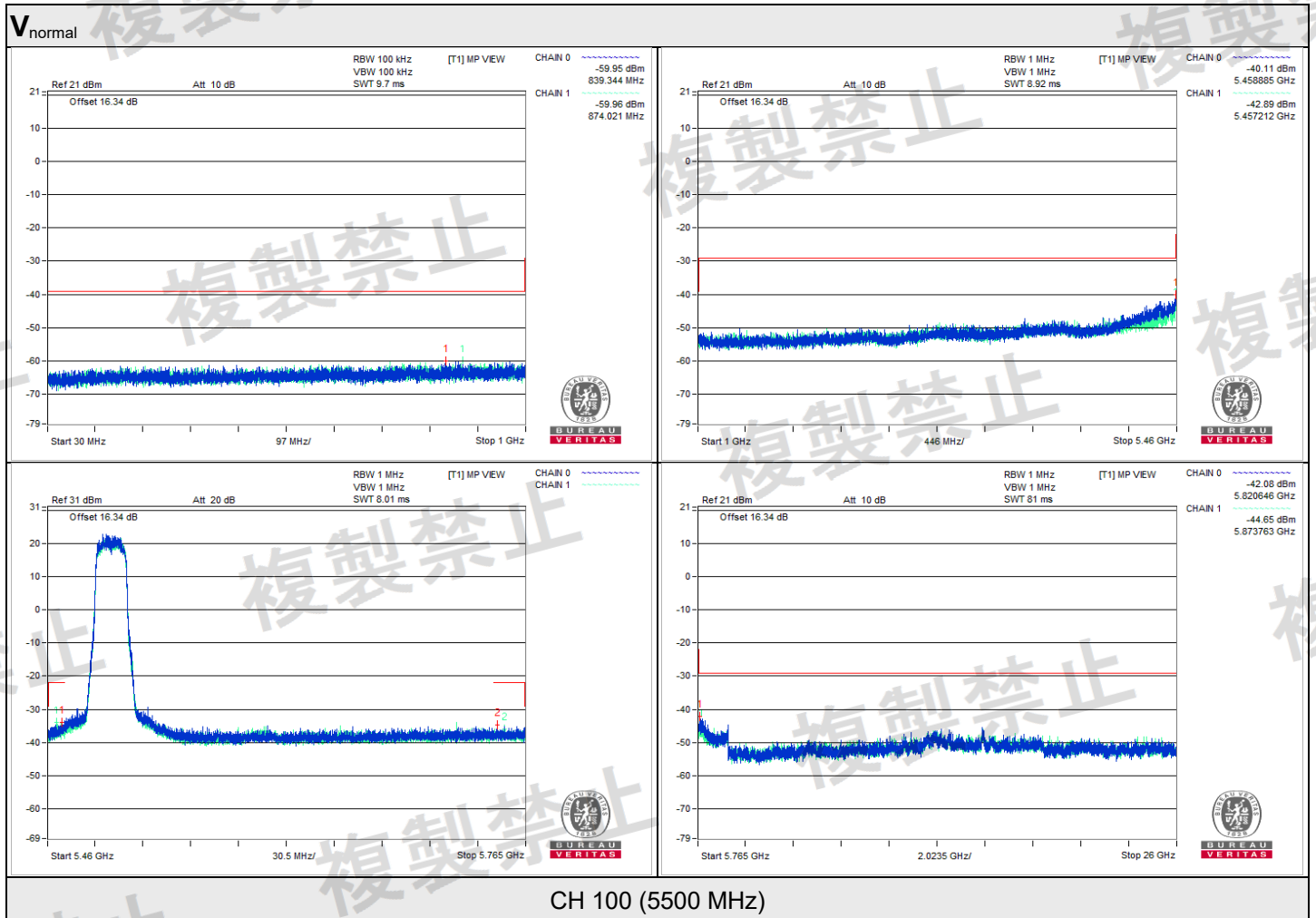
NOTE: 1. The spectrum plots are attached on the following pages.

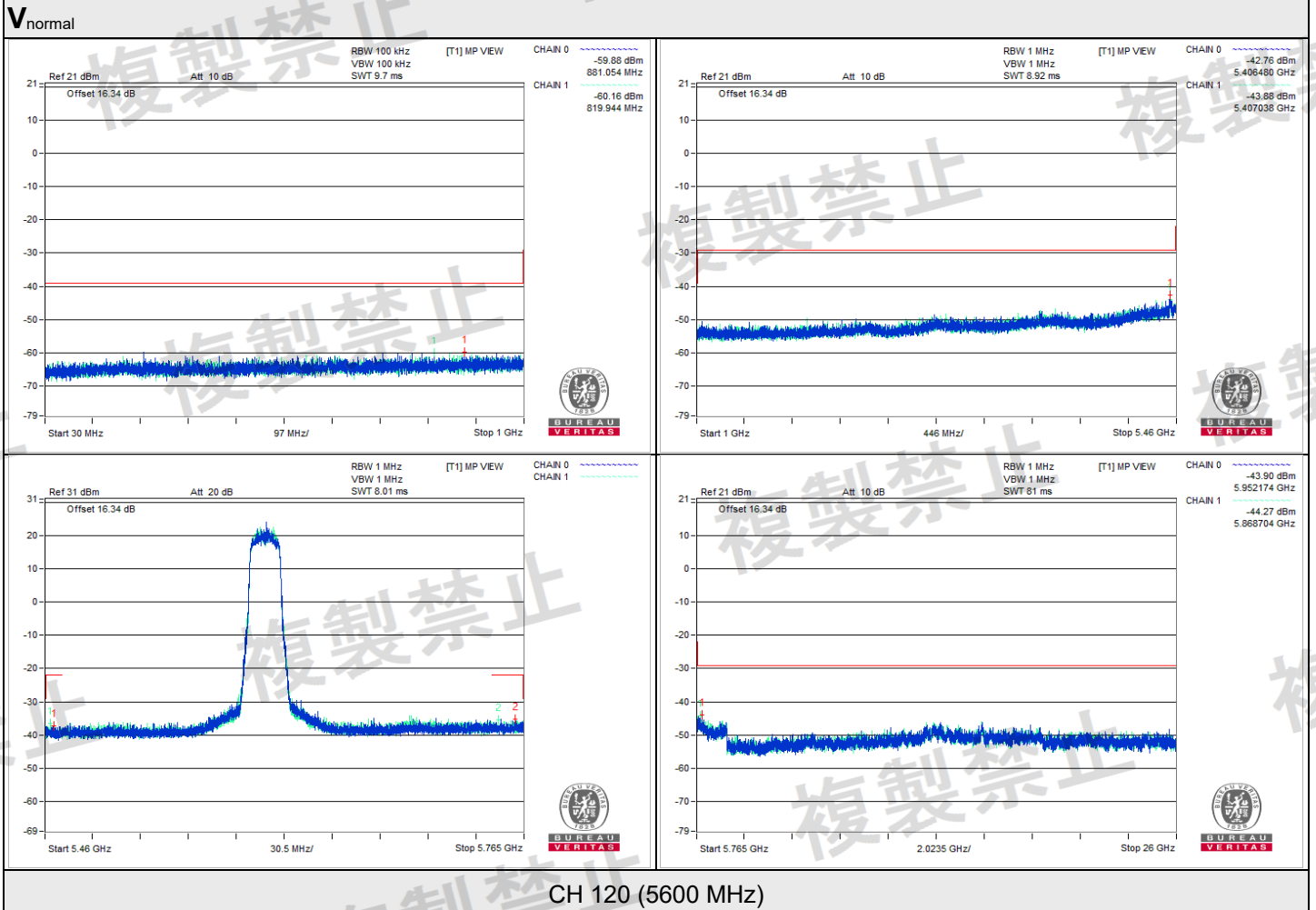
802.11ax (HE20) Chain 1: W56

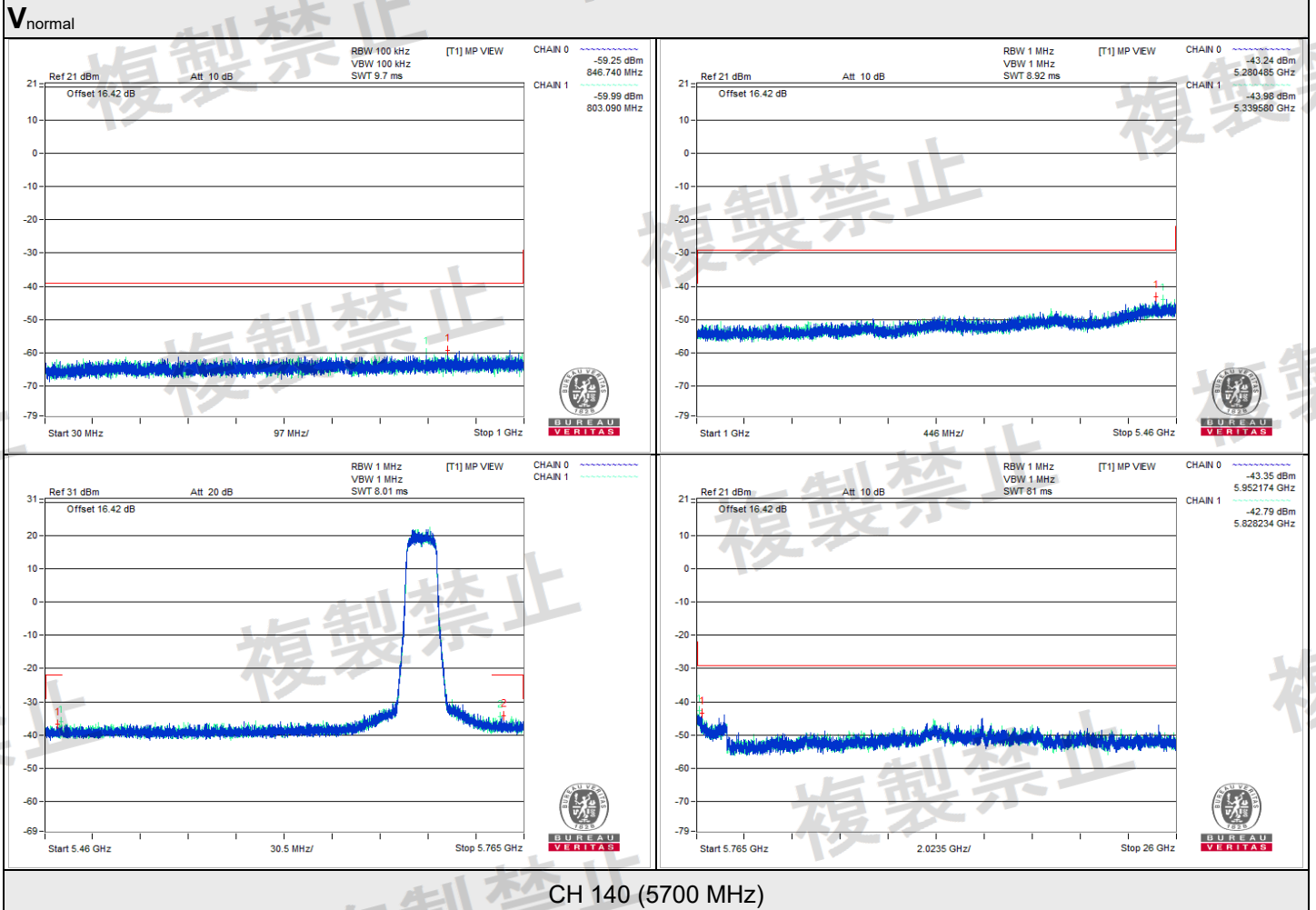
TEST CHANNEL		CH 100 (5500 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	874.021	0.001009 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5460.0	5457.212	0.051404 uW/MHz	1.25 uW/MHz	PASS
	5460.0 to 5470.0	5465.299	0.405509 uW/MHz	6.25 uW/MHz	PASS
	5745.0 to 5765.0	5751.656	0.25293 uW/MHz	6.25 uW/MHz	PASS
	5765.0 to 26000.0	5873.763	0.034277 uW/MHz	1.25 uW/MHz	PASS
TEST CHANNEL		CH 120 (5600 MHz)			
V _{normal}	30.0 to 1000.0	819.944	0.000964 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5460.0	5407.038	0.040926 uW/MHz	1.25 uW/MHz	PASS
	5460.0 to 5470.0	5462.936	0.220293 uW/MHz	6.25 uW/MHz	PASS
	5745.0 to 5765.0	5748.911	0.281838 uW/MHz	6.25 uW/MHz	PASS
	5765.0 to 26000.0	5868.704	0.037411 uW/MHz	1.25 uW/MHz	PASS
TEST CHANNEL		CH 140 (5700 MHz)			
V _{normal}	30.0 to 1000.0	803.090	0.001002 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5460.0	5339.580	0.039994 uW/MHz	1.25 uW/MHz	PASS
	5460.0 to 5470.0	5469.569	0.250611 uW/MHz	6.25 uW/MHz	PASS
	5745.0 to 5765.0	5750.322	0.362243 uW/MHz	6.25 uW/MHz	PASS
	5765.0 to 26000.0	5828.234	0.052602 uW/MHz	1.25 uW/MHz	PASS
TEST CHANNEL		CH 144 (5720 MHz)			
V _{normal}	30.0 to 1000.0	895.846	0.000986 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5460.0	5082.573	0.036392 uW/MHz	1.25 uW/MHz	PASS
	5460.0 to 5470.0	5469.569	0.194984 uW/MHz	6.25 uW/MHz	PASS
	5745.0 to 5765.0	5745.137	0.562341 uW/MHz	6.25 uW/MHz	PASS
	5765.0 to 26000.0	5813.058	0.065163 uW/MHz	1.25 uW/MHz	PASS

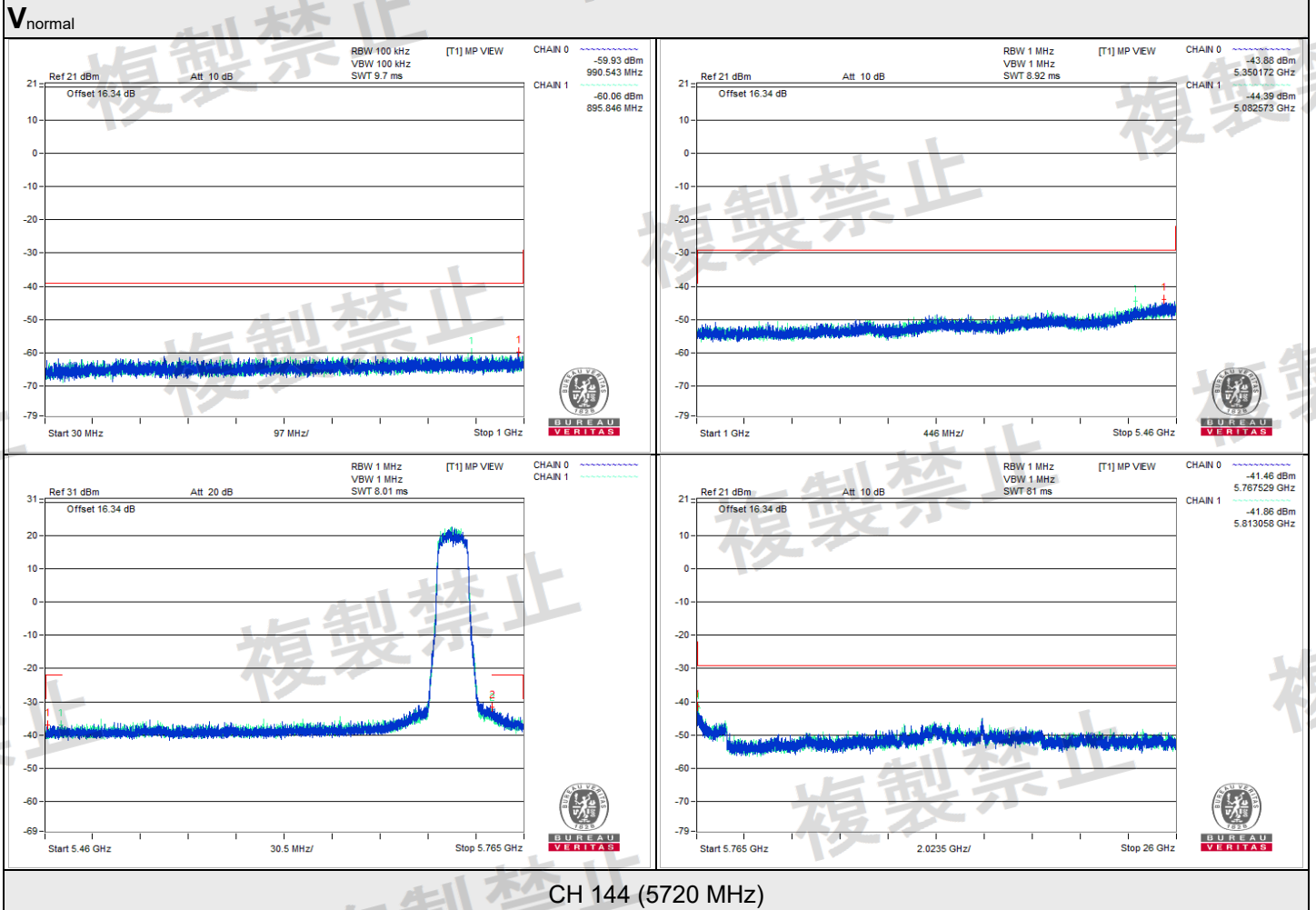
NOTE: 1. The spectrum plots are attached on the following pages.

802.11ax (HE20) Graph: W56









802.11ax (HE20) [Worst result] x [Number of antenna ports]: W56

TEST CHANNEL		CH 100 (5500 MHz)		
TEST CONDITION	FREQUENCY RANGE(MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V_{normal}	30.0 to 1000.0	0.002024 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 5460.0	0.194998 uW/MHz	2.5 uW/MHz	PASS
	5460.0 to 5470.0	0.814760 uW/MHz	12.5 uW/MHz	PASS
	5745.0 to 5765.0	0.666852 uW/MHz	12.5 uW/MHz	PASS
	5765.0 to 26000.0	0.123888 uW/MHz	2.5 uW/MHz	PASS
TEST CHANNEL		CH 120 (5600 MHz)		
V_{normal}	30.0 to 1000.0	0.002056 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 5460.0	0.105932 uW/MHz	2.5 uW/MHz	PASS
	5460.0 to 5470.0	0.440586 uW/MHz	12.5 uW/MHz	PASS
	5745.0 to 5765.0	0.610984 uW/MHz	12.5 uW/MHz	PASS
	5765.0 to 26000.0	0.081476 uW/MHz	2.5 uW/MHz	PASS
TEST CHANNEL		CH 140 (5700 MHz)		
V_{normal}	30.0 to 1000.0	0.002378 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 5460.0	0.094848 uW/MHz	2.5 uW/MHz	PASS
	5460.0 to 5470.0	0.501222 uW/MHz	12.5 uW/MHz	PASS
	5745.0 to 5765.0	0.741362 uW/MHz	12.5 uW/MHz	PASS
	5765.0 to 26000.0	0.105204 uW/MHz	2.5 uW/MHz	PASS
TEST CHANNEL		CH 144 (5720 MHz)		
V_{normal}	30.0 to 1000.0	0.002032 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 5460.0	0.081852 uW/MHz	2.5 uW/MHz	PASS
	5460.0 to 5470.0	0.400894 uW/MHz	12.5 uW/MHz	PASS
	5745.0 to 5765.0	1.383662 uW/MHz	12.5 uW/MHz	PASS
	5765.0 to 26000.0	0.142900 uW/MHz	2.5 uW/MHz	PASS

802.11ax (HE40) Chain 0: W52

TEST CHANNEL		CH 38 (5190 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	911.003	0.000979 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5141.6	5139.529	0.044668 uW/MHz	1.25 uW/MHz	PASS
	5141.6 to 5150.0	5145.328	0.267917 uW/MHz	7.5 uW/MHz	PASS
	5250.0 to 5251.0	5250.818	0.166725 uW/MHz	38.013688 uW/MHz	PASS
	5251.0 to 5270.0	5266.960	0.248313 uW/MHz	5.320348 uW/MHz	PASS
	5270.0 to 5278.4	5274.125	0.22182 uW/MHz	2.248529 uW/MHz	PASS
	5278.4 to 26000.0	5278.400	0.069984 uW/MHz	1.25 uW/MHz	PASS
TEST CHANNEL		CH 46 (5230 MHz)			
V _{normal}	30.0 to 1000.0	935.131	0.000959 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5141.6	5109.503	0.04121 uW/MHz	1.25 uW/MHz	PASS
	5141.6 to 5150.0	5145.259	0.188799 uW/MHz	7.5 uW/MHz	PASS
	5250.0 to 5251.0	5250.014	60.113775 uW/MHz	242.069464 uW/MHz	PASS(1)
	5251.0 to 5270.0	5251.023	2.79999 uW/MHz	24.944315 uW/MHz	PASS(2)
	5270.0 to 5278.4	5272.569	0.297852 uW/MHz	2.784251 uW/MHz	PASS
	5278.4 to 26000.0	5278.400	0.045082 uW/MHz	1.25 uW/MHz	PASS

NOTE: 1. The spectrum plots are attached on the following pages.

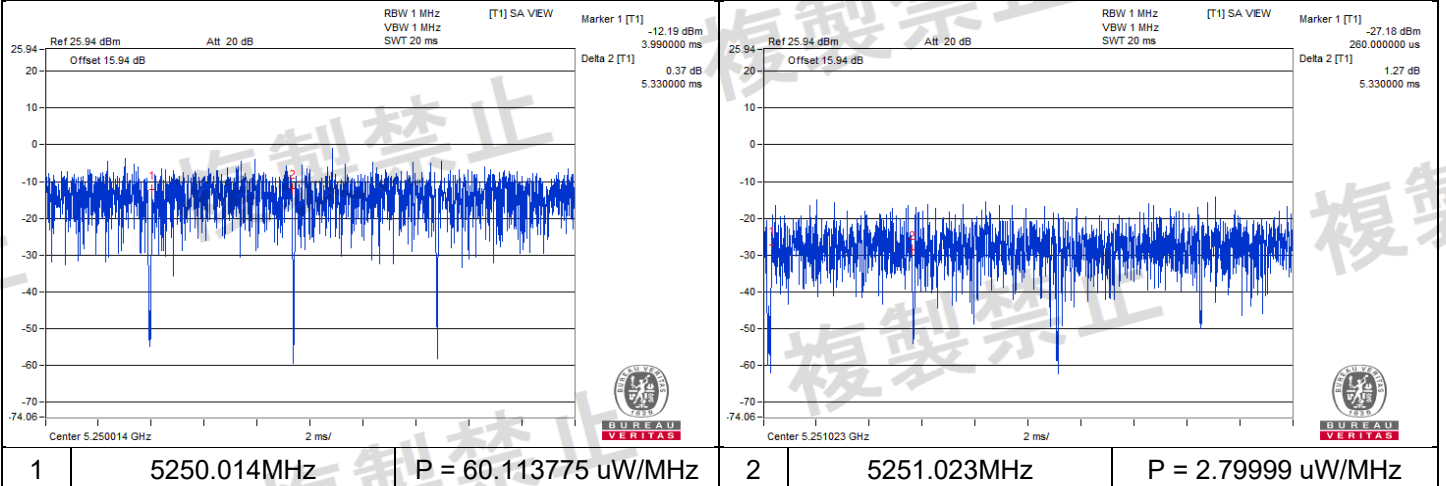
2. (No.): The value was tested under Measuring Mode *Zero Span.



BUREAU
VERITAS

Measuring Mode *Zero Span

1. Set the spectrum analyzer as below and it takes in a value of all data point.
2. Regarding the all data value, it transforms the "dBm" value into "uW" value.
3. It adds the all values and calculates a grand total. Define a grand total as "P".
4. It divides "P" by sample data point (>400) and calculates the mean value.
5. It reports the mean value.



802.11ax (HE40) Chain 1: W52

TEST CHANNEL		CH 38 (5190 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	961.442	0.000834 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5141.6	5139.529	0.048529 uW/MHz	1.25 uW/MHz	PASS
	5141.6 to 5150.0	5149.671	0.272898 uW/MHz	7.5 uW/MHz	PASS
	5250.0 to 5251.0	5250.424	0.178238 uW/MHz	94.17595 uW/MHz	PASS
	5251.0 to 5270.0	5265.336	0.193642 uW/MHz	6.227575 uW/MHz	PASS
	5270.0 to 5278.4	5277.118	0.21727 uW/MHz	1.490654 uW/MHz	PASS
	5278.4 to 26000.0	5871.556	0.042364 uW/MHz	1.25 uW/MHz	PASS
TEST CHANNEL		CH 46 (5230 MHz)			
V _{normal}	30.0 to 1000.0	874.870	0.000968 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5141.6	5037.542	0.02884 uW/MHz	1.25 uW/MHz	PASS
	5141.6 to 5150.0	5146.833	0.20797 uW/MHz	7.5 uW/MHz	PASS
	5250.0 to 5251.0	5250.000	60.103408 uW/MHz	250 uW/MHz	PASS(1)
	5251.0 to 5270.0	5251.348	2.553666 uW/MHz	24.170597 uW/MHz	PASS(2)
	5270.0 to 5278.4	5274.313	0.308319 uW/MHz	2.191215 uW/MHz	PASS
	5278.4 to 26000.0	5278.400	0.049204 uW/MHz	1.25 uW/MHz	PASS

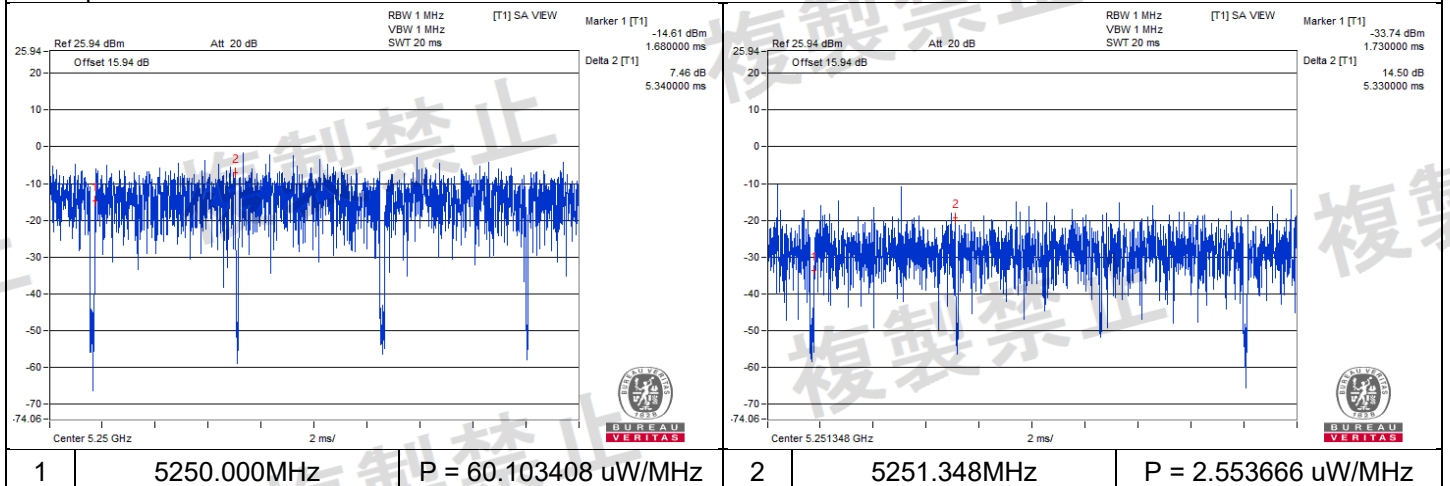
NOTE: 1. The spectrum plots are attached on the following pages.

2. (No.): The value was tested under Measuring Mode *Zero Span.

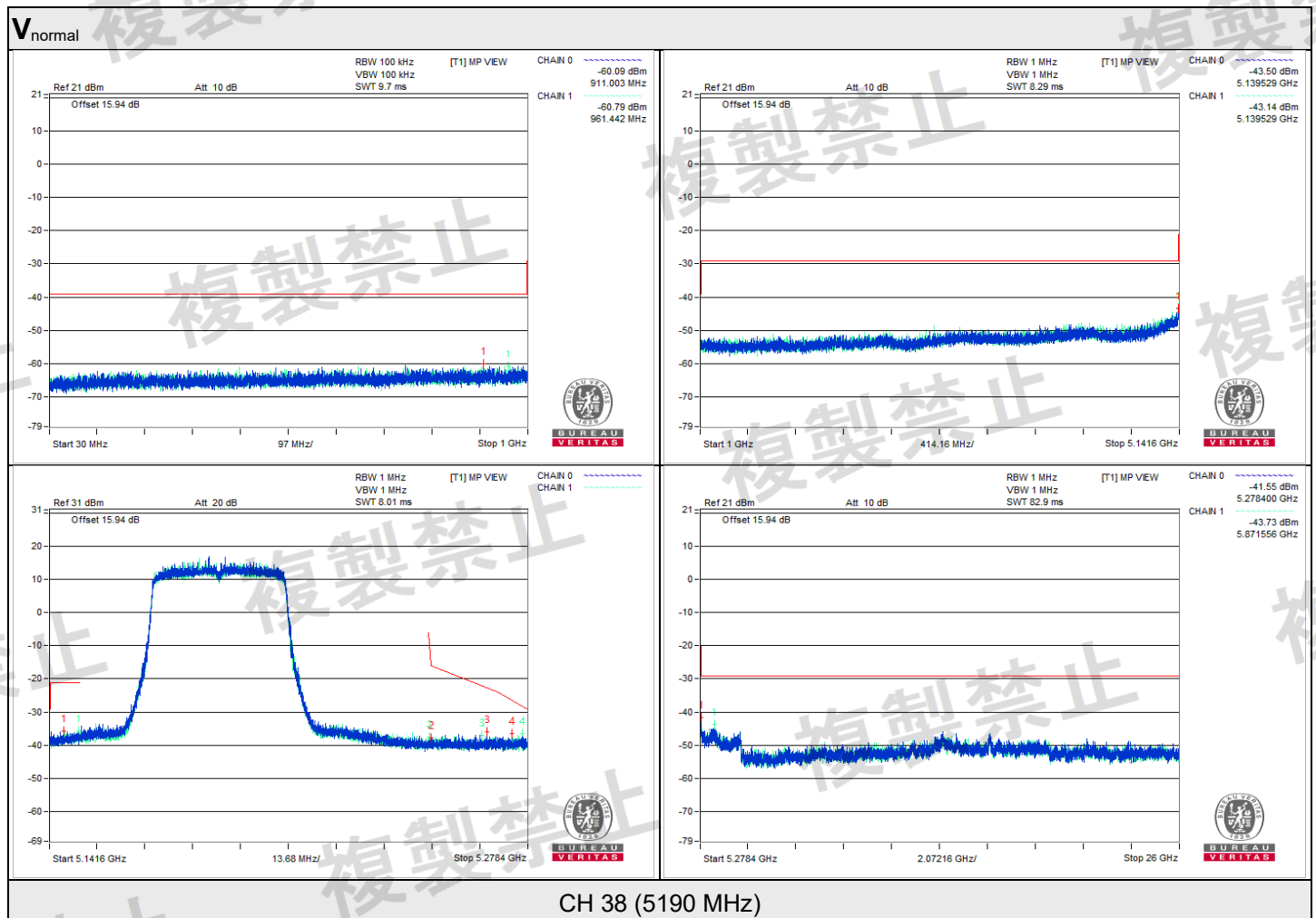


Measuring Mode *Zero Span

1. Set the spectrum analyzer as below and it takes in a value of all data point.
2. Regarding the all data value, it transforms the "dBm" value into "uW" value.
3. It adds the all values and calculates a grand total. Define a grand total as "P".
4. It divides "P" by sample data point (>400) and calculates the mean value.
5. It reports the mean value.

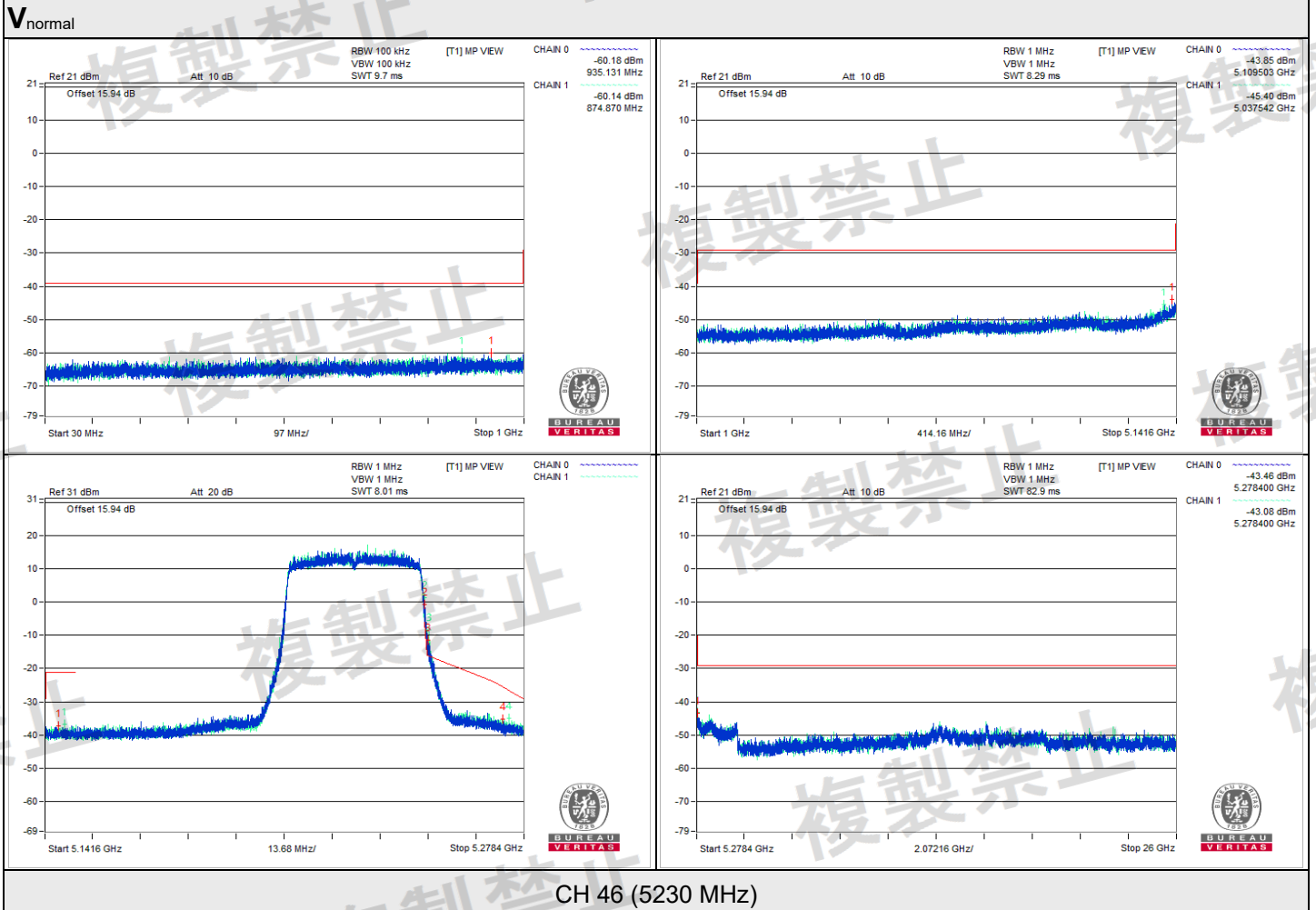


802.11ax (HE40) Graph: W52





BUREAU
VERITAS



802.11ax (HE40) [Worst result] x [Number of antenna ports]: W52

TEST CHANNEL		CH 38 (5190 MHz)		
TEST CONDITION	FREQUENCY RANGE(MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	0.001958 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 5141.6	0.097058 uW/MHz	2.5 uW/MHz	PASS
	5141.6 to 5150.0	0.545796 uW/MHz	15 uW/MHz	PASS
	5250.0 to 5251.0	0.356476 uW/MHz	188.3519 uW/MHz	PASS
	5251.0 to 5270.0	0.496626 uW/MHz	10.6407 uW/MHz	PASS
	5270.0 to 5278.4	0.443640 uW/MHz	4.49706 uW/MHz	PASS
	5278.4 to 26000.0	0.139968 uW/MHz	2.5 uW/MHz	PASS
TEST CHANNEL		CH 46 (5230 MHz)		
V _{normal}	30.0 to 1000.0	0.001936 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 5141.6	0.082420 uW/MHz	2.5 uW/MHz	PASS
	5141.6 to 5150.0	0.415940 uW/MHz	15 uW/MHz	PASS
	5250.0 to 5251.0	120.227550 uW/MHz	484.13893 uW/MHz	PASS
	5251.0 to 5270.0	5.599980 uW/MHz	49.88863 uW/MHz	PASS
	5270.0 to 5278.4	0.616638 uW/MHz	4.38243 uW/MHz	PASS
	5278.4 to 26000.0	0.098408 uW/MHz	2.5 uW/MHz	PASS

802.11ax (HE40) Chain 0: W53

TEST CHANNEL		CH 54 (5270 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	793.996	0.001021 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5221.6	5220.545	0.048753 uW/MHz	1.25 uW/MHz	PASS
	5221.6 to 5230.0	5228.474	0.268534 uW/MHz	3.213065 uW/MHz	PASS
	5230.0 to 5249.0	5248.806	2.208115 uW/MHz	24.534182 uW/MHz	PASS(1)
	5249.0 to 5250.0	5249.935	19.385595 uW/MHz	215.248438 uW/MHz	PASS(2)
	5350.0 to 5358.4	5358.280	0.193197 uW/MHz	7.5 uW/MHz	PASS
	5358.4 to 26000.0	5820.256	0.0354 uW/MHz	1.25 uW/MHz	PASS
TEST CHANNEL		CH 62 (5310 MHz)			
V _{normal}	30.0 to 1000.0	920.581	0.001091 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5221.6	5182.023	0.034435 uW/MHz	1.25 uW/MHz	PASS
	5221.6 to 5230.0	5225.499	0.195884 uW/MHz	2.135362 uW/MHz	PASS
	5230.0 to 5249.0	5245.523	0.270396 uW/MHz	17.845964 uW/MHz	PASS
	5249.0 to 5250.0	5249.986	0.149279 uW/MHz	242.069464 uW/MHz	PASS
	5350.0 to 5358.4	5351.492	0.325837 uW/MHz	7.5 uW/MHz	PASS
	5358.4 to 26000.0	5358.400	0.04256 uW/MHz	1.25 uW/MHz	PASS

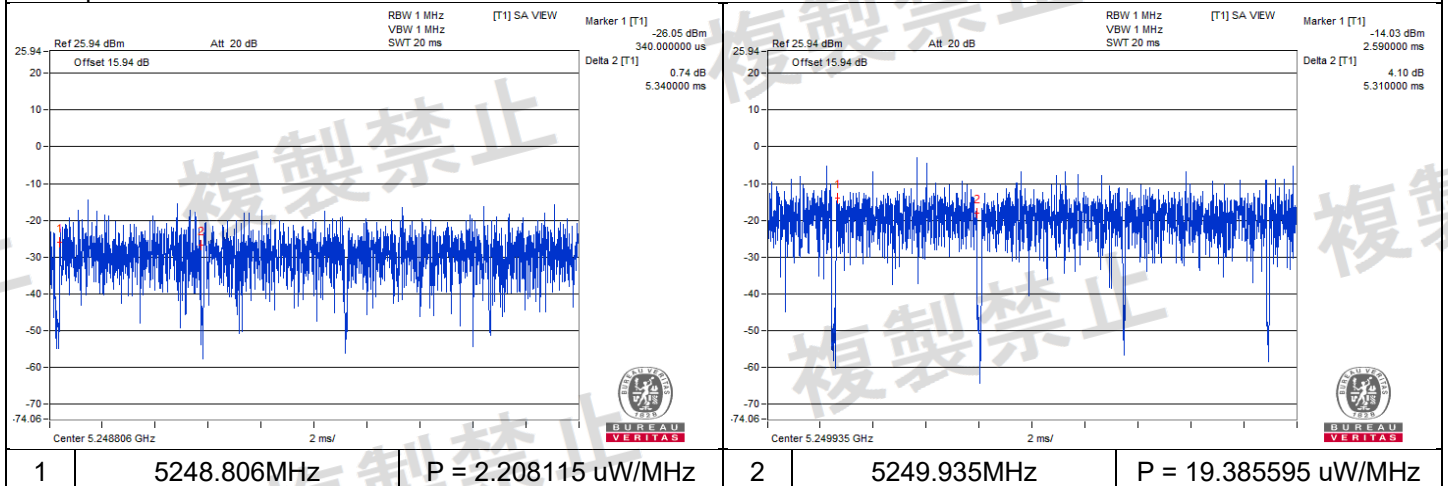
NOTE: 1. The spectrum plots are attached on the following pages.

2. (No.): The value was tested under Measuring Mode *Zero Span.



Measuring Mode *Zero Span

1. Set the spectrum analyzer as below and it takes in a value of all data point.
2. Regarding the all data value, it transforms the “dBm” value into “uW” value.
3. It adds the all values and calculates a grand total. Define a grand total as “P”.
4. It divides “P” by sample data point (>400) and calculates the mean value.
5. It reports the mean value.



802.11ax (HE40) Chain 1: W53

TEST CHANNEL		CH 54 (5270 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	741.616	0.001074 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5221.6	5221.600	0.053951 uW/MHz	1.25 uW/MHz	PASS
	5221.6 to 5230.0	5225.738	0.264241 uW/MHz	2.206617 uW/MHz	PASS
	5230.0 to 5249.0	5248.977	2.558777 uW/MHz	24.944315 uW/MHz	PASS(1)
	5249.0 to 5250.0	5249.969	26.410515 uW/MHz	232.776969 uW/MHz	PASS(2)
	5350.0 to 5358.4	5350.808	0.197242 uW/MHz	7.5 uW/MHz	PASS
	5358.4 to 26000.0	5827.996	0.054075 uW/MHz	1.25 uW/MHz	PASS
TEST CHANNEL		CH 62 (5310 MHz)			
V _{normal}	30.0 to 1000.0	924.582	0.001159 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5221.6	5217.378	0.032137 uW/MHz	1.25 uW/MHz	PASS
	5221.6 to 5230.0	5225.174	0.179473 uW/MHz	2.042144 uW/MHz	PASS
	5230.0 to 5249.0	5244.463	0.199986 uW/MHz	16.103061 uW/MHz	PASS
	5249.0 to 5250.0	5249.678	0.157761 uW/MHz	119.107747 uW/MHz	PASS
	5350.0 to 5358.4	5350.619	0.389045 uW/MHz	7.5 uW/MHz	PASS
	5358.4 to 26000.0	5366.141	0.047534 uW/MHz	1.25 uW/MHz	PASS

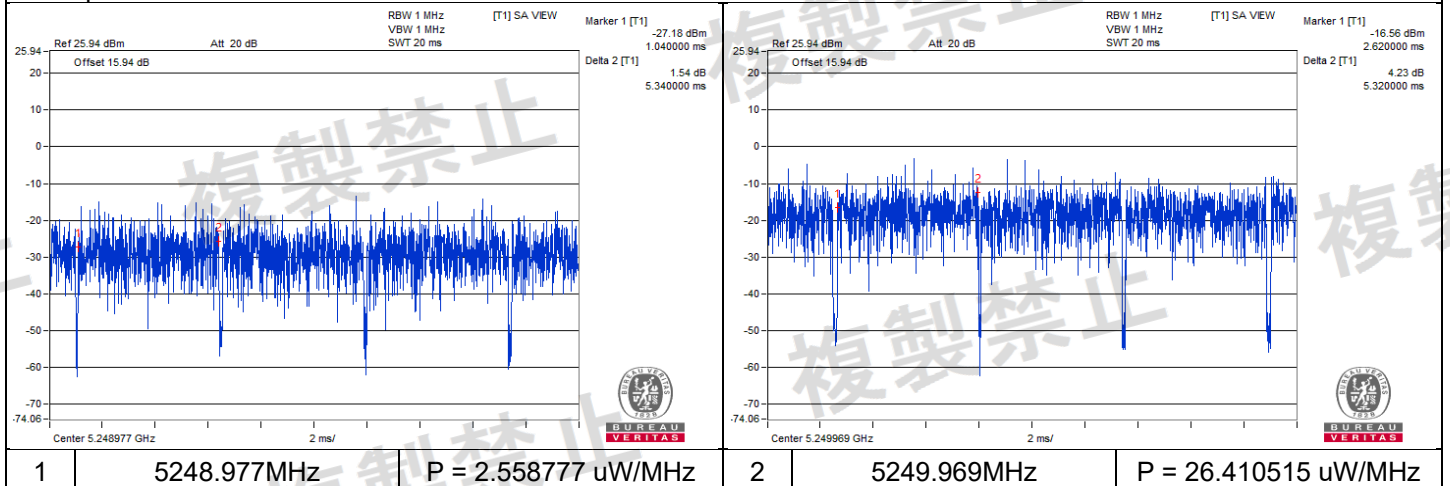
NOTE: 1. The spectrum plots are attached on the following pages.

2. (No.): The value was tested under Measuring Mode *Zero Span.

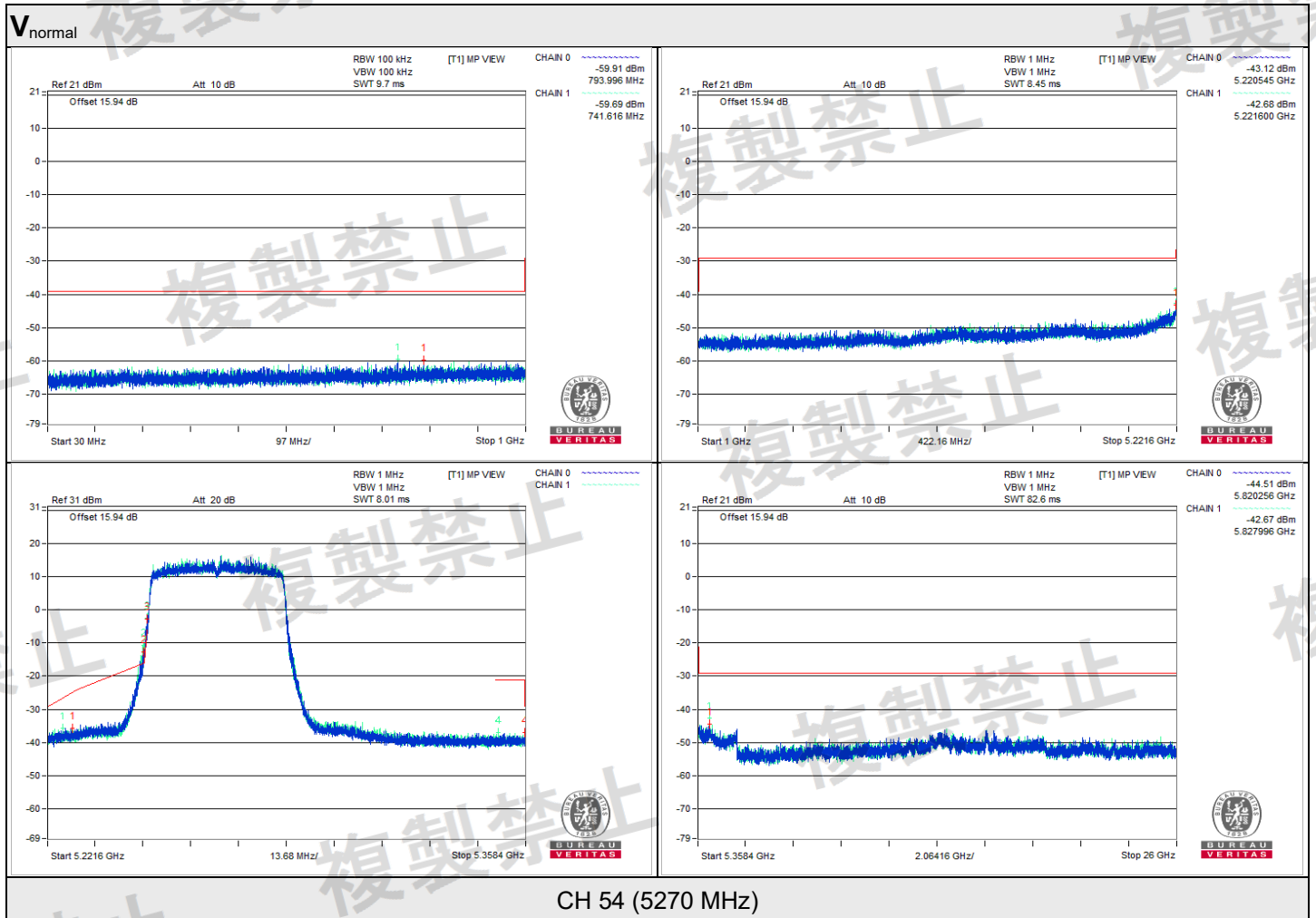


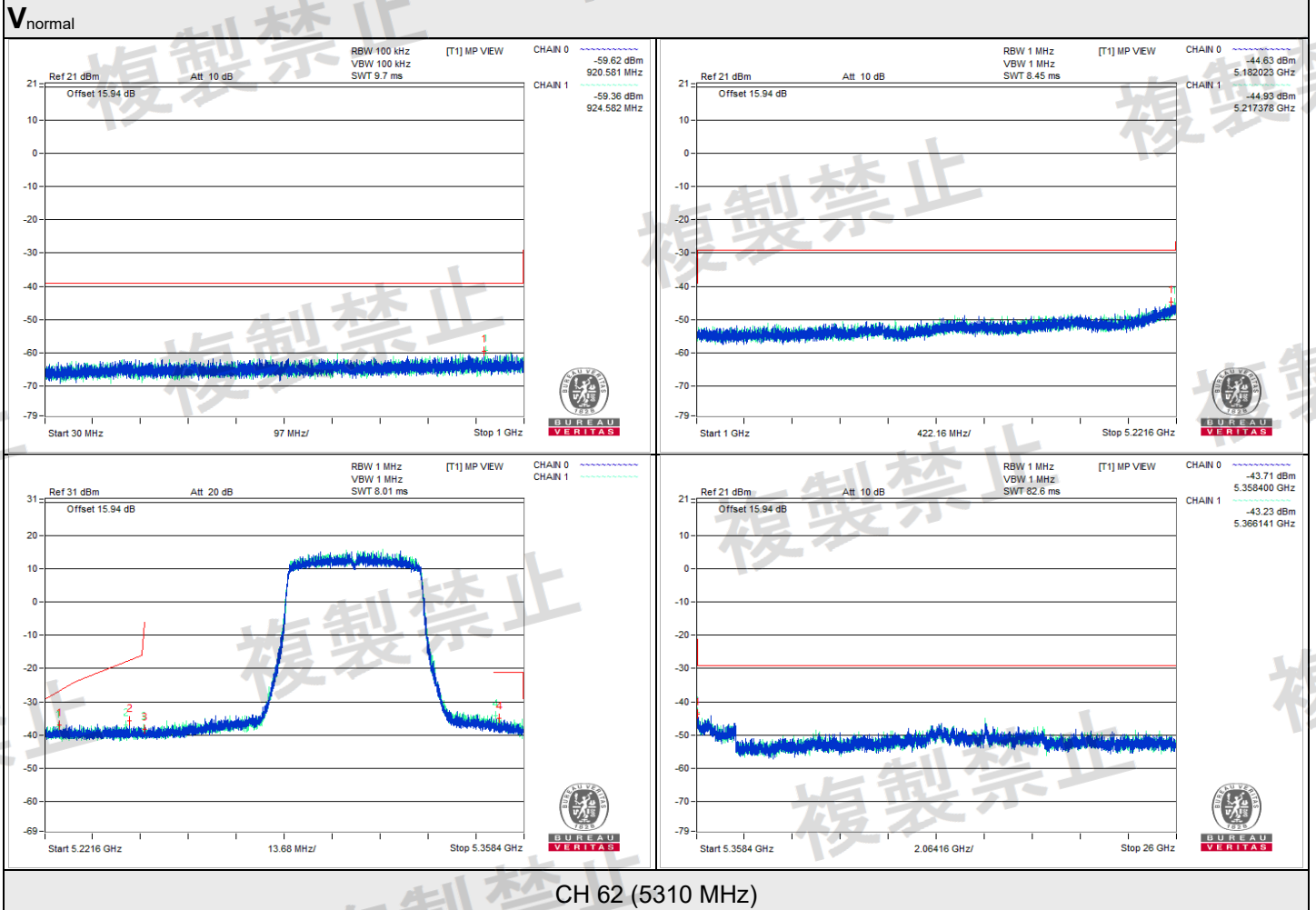
Measuring Mode *Zero Span

1. Set the spectrum analyzer as below and it takes in a value of all data point.
2. Regarding the all data value, it transforms the “dBm” value into “uW” value.
3. It adds the all values and calculates a grand total. Define a grand total as “P”.
4. It divides “P” by sample data point (>400) and calculates the mean value.
5. It reports the mean value.



802.11ax (HE40) Graph: W53





802.11ax (HE40) [Worst result] x [Number of antenna ports]: W53

TEST CHANNEL		CH 54 (5270 MHz)		
TEST CONDITION	FREQUENCY RANGE(MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	0.002148 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 5221.6	0.107902 uW/MHz	2.5 uW/MHz	PASS
	5221.6 to 5230.0	0.537068 uW/MHz	6.42613 uW/MHz	PASS
	5230.0 to 5249.0	5.117554 uW/MHz	49.88863 uW/MHz	PASS
	5249.0 to 5250.0	52.821030 uW/MHz	465.55394 uW/MHz	PASS
	5350.0 to 5358.4	0.394484 uW/MHz	15 uW/MHz	PASS
	5358.4 to 26000.0	0.108150 uW/MHz	2.5 uW/MHz	PASS
TEST CHANNEL		CH 62 (5310 MHz)		
V _{normal}	30.0 to 1000.0	0.002318 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 5221.6	0.068870 uW/MHz	2.5 uW/MHz	PASS
	5221.6 to 5230.0	0.391768 uW/MHz	4.27072 uW/MHz	PASS
	5230.0 to 5249.0	0.540792 uW/MHz	35.69193 uW/MHz	PASS
	5249.0 to 5250.0	0.315522 uW/MHz	238.21549 uW/MHz	PASS
	5350.0 to 5358.4	0.778090 uW/MHz	15 uW/MHz	PASS
	5358.4 to 26000.0	0.095068 uW/MHz	2.5 uW/MHz	PASS

802.11ax (HE40) Chain 0: W56

TEST CHANNEL		CH 102 (5510 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	763.805	0.001114 uW/100kHz	0.625 uW/100kHz	PASS
	1000.0 to 5460.0	5460.000	0.303389 uW/MHz	6.25 uW/MHz	PASS
	5460.0 to 5470.0	5466.471	0.672977 uW/MHz	25 uW/MHz	PASS
	5770.0 to 26000.0	5855.977	0.048641 uW/MHz	6.25 uW/MHz	PASS
TEST CHANNEL		CH 118 (5590 MHz)			
V _{normal}	30.0 to 1000.0	973.689	0.000912 uW/100kHz	0.625 uW/100kHz	PASS
	1000.0 to 5460.0	5414.285	0.074131 uW/MHz	6.25 uW/MHz	PASS
	5460.0 to 5470.0	5466.549	0.21677 uW/MHz	25 uW/MHz	PASS
	5770.0 to 26000.0	5770.000	0.048195 uW/MHz	6.25 uW/MHz	PASS
TEST CHANNEL		CH 134 (5670 MHz)			
V _{normal}	30.0 to 1000.0	976.720	0.001054 uW/100kHz	0.625 uW/100kHz	PASS
	1000.0 to 5460.0	5339.580	0.05236 uW/MHz	6.25 uW/MHz	PASS
	5460.0 to 5470.0	5464.108	0.241546 uW/MHz	25 uW/MHz	PASS
	5770.0 to 26000.0	5772.529	0.071121 uW/MHz	6.25 uW/MHz	PASS
TEST CHANNEL		CH 142 (5710 MHz)			
V _{normal}	30.0 to 1000.0	994.423	0.001148 uW/100kHz	0.625 uW/100kHz	PASS
	1000.0 to 5460.0	5280.485	0.045499 uW/MHz	6.25 uW/MHz	PASS
	5460.0 to 5470.0	5467.246	0.204644 uW/MHz	25 uW/MHz	PASS
	5770.0 to 26000.0	5770.000	0.075858 uW/MHz	6.25 uW/MHz	PASS

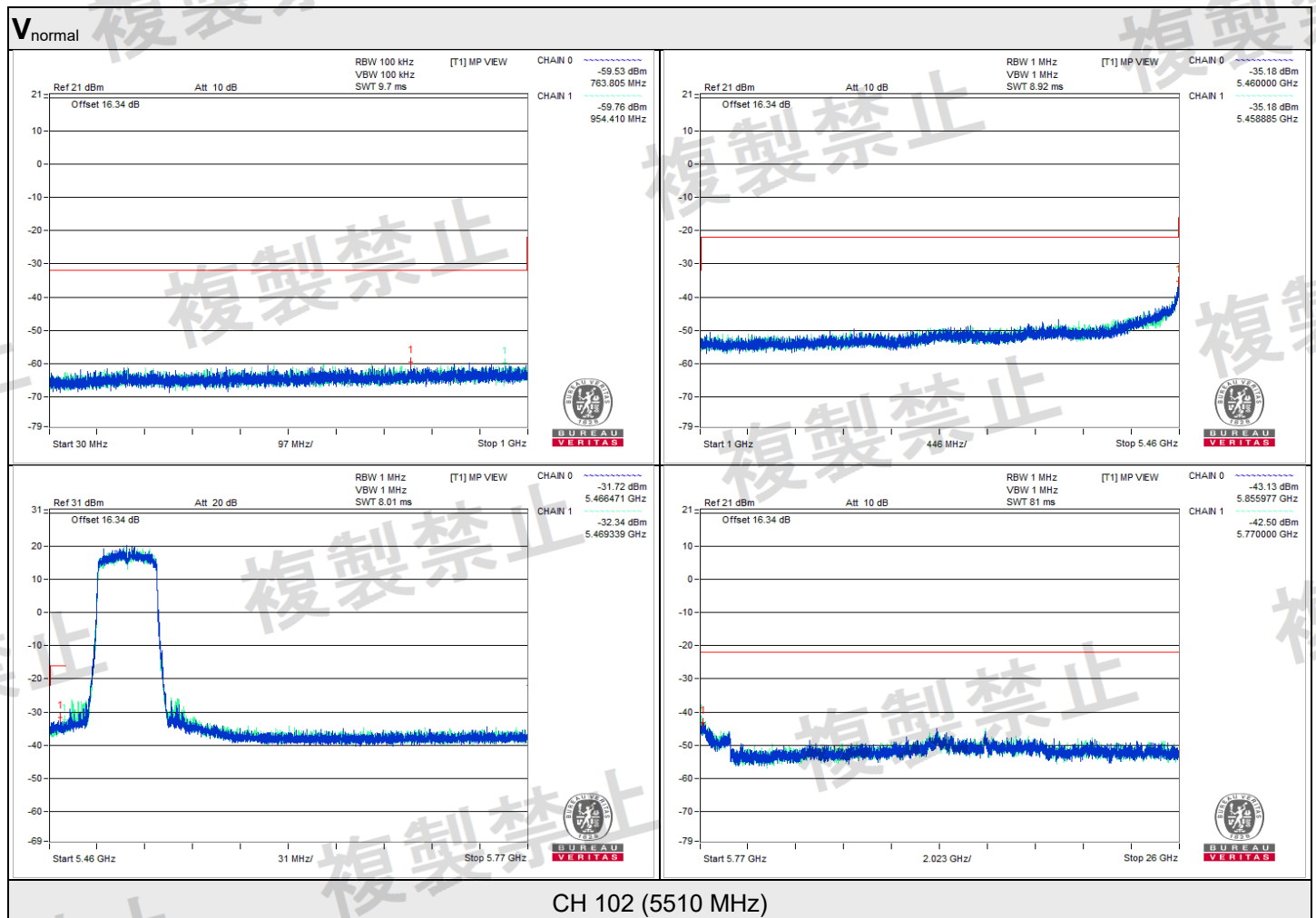
NOTE: 1. The spectrum plots are attached on the following pages.

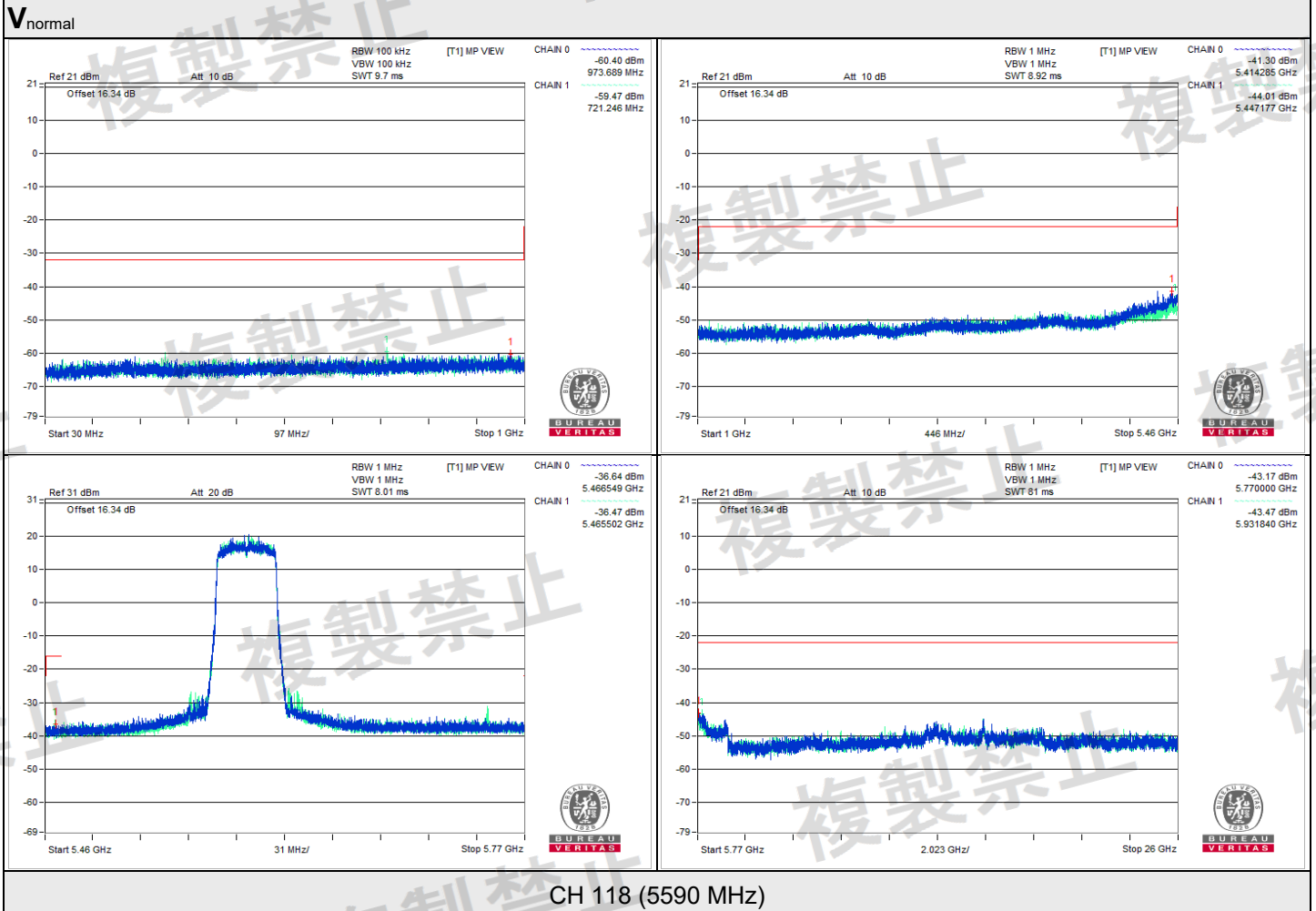
802.11ax (HE40) Chain 1: W56

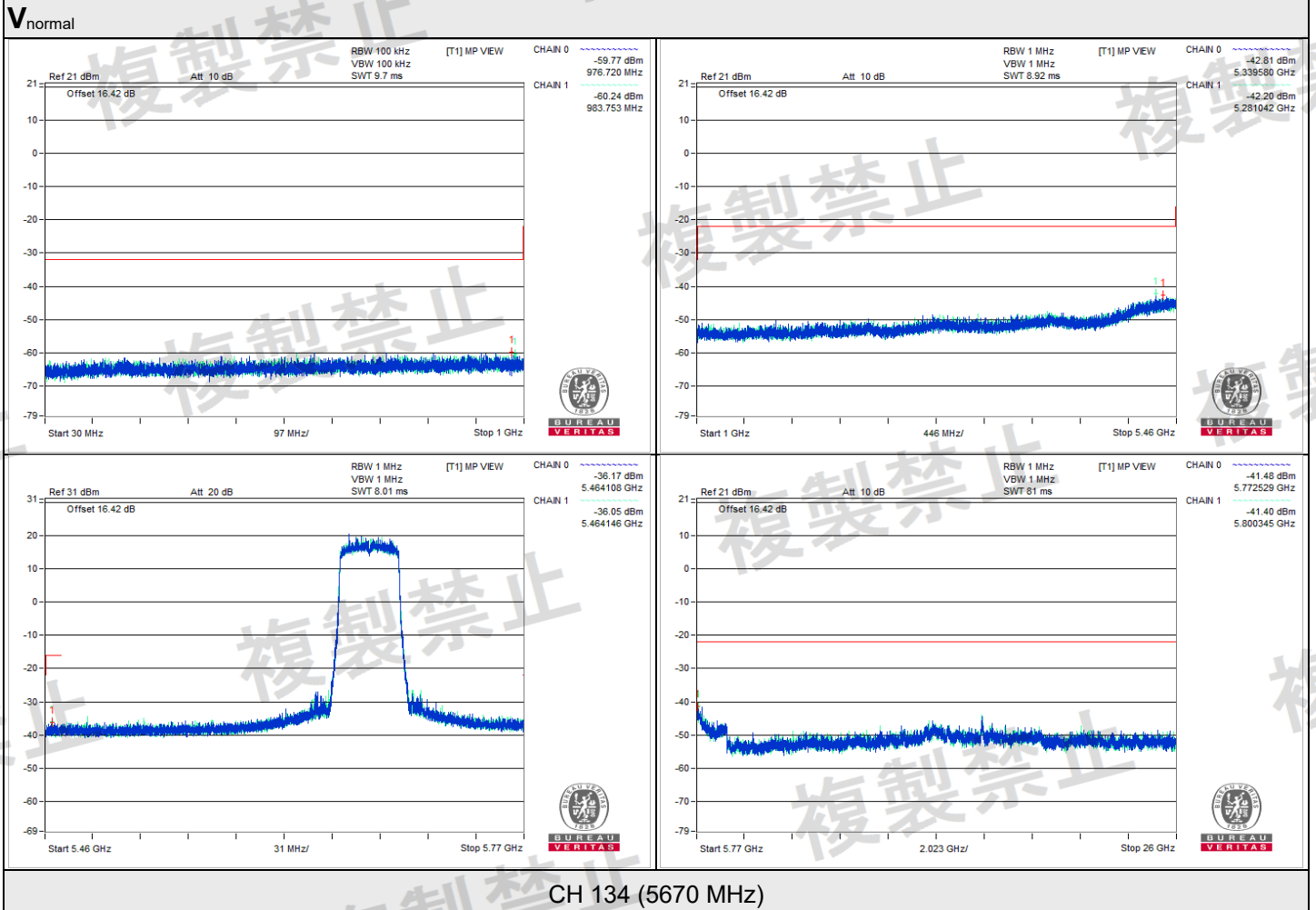
TEST CHANNEL		CH 102 (5510 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	954.410	0.001057 uW/100kHz	0.625 uW/100kHz	PASS
	1000.0 to 5460.0	5458.885	0.303389 uW/MHz	6.25 uW/MHz	PASS
	5460.0 to 5470.0	5469.339	0.583445 uW/MHz	25 uW/MHz	PASS
	5770.0 to 26000.0	5770.000	0.056234 uW/MHz	6.25 uW/MHz	PASS
TEST CHANNEL		CH 118 (5590 MHz)			
V _{normal}	30.0 to 1000.0	721.246	0.00113 uW/100kHz	0.625 uW/100kHz	PASS
	1000.0 to 5460.0	5447.177	0.039719 uW/MHz	6.25 uW/MHz	PASS
	5460.0 to 5470.0	5465.502	0.225424 uW/MHz	25 uW/MHz	PASS
	5770.0 to 26000.0	5931.840	0.044978 uW/MHz	6.25 uW/MHz	PASS
TEST CHANNEL		CH 134 (5670 MHz)			
V _{normal}	30.0 to 1000.0	983.753	0.000946 uW/100kHz	0.625 uW/100kHz	PASS
	1000.0 to 5460.0	5281.042	0.060256 uW/MHz	6.25 uW/MHz	PASS
	5460.0 to 5470.0	5464.146	0.248313 uW/MHz	25 uW/MHz	PASS
	5770.0 to 26000.0	5800.345	0.072444 uW/MHz	6.25 uW/MHz	PASS
TEST CHANNEL		CH 142 (5710 MHz)			
V _{normal}	30.0 to 1000.0	895.967	0.003105 uW/100kHz	0.625 uW/100kHz	PASS
	1000.0 to 5460.0	5405.365	0.038548 uW/MHz	6.25 uW/MHz	PASS
	5460.0 to 5470.0	5466.278	0.209411 uW/MHz	25 uW/MHz	PASS
	5770.0 to 26000.0	5770.000	0.088512 uW/MHz	6.25 uW/MHz	PASS

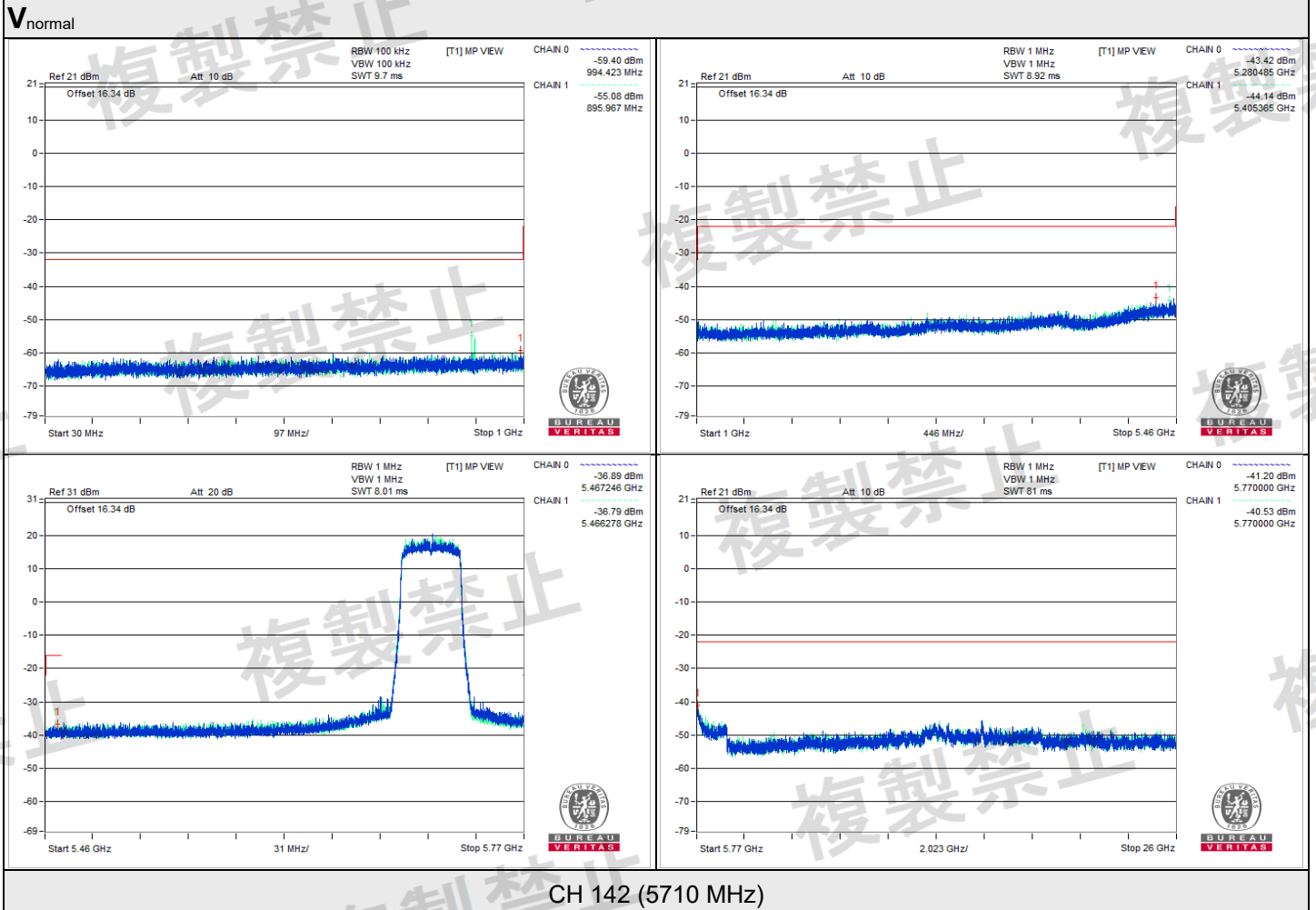
NOTE: 1. The spectrum plots are attached on the following pages.

802.11ax (HE40) Graph: W56









802.11ax (HE40) [Worst result] x [Number of antenna ports]: W56

TEST CHANNEL		CH 102 (5510 MHz)		
TEST CONDITION	FREQUENCY RANGE(MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	0.002228 uW/100kHz	1.25 uW/100kHz	PASS
	1000.0 to 5460.0	0.606778 uW/MHz	12.5 uW/MHz	PASS
	5460.0 to 5470.0	1.345954 uW/MHz	50 uW/MHz	PASS
	5770.0 to 26000.0	0.112468 uW/MHz	12.5 uW/MHz	PASS
TEST CHANNEL		CH 118 (5590 MHz)		
V _{normal}	30.0 to 1000.0	0.002260 uW/100kHz	1.25 uW/100kHz	PASS
	1000.0 to 5460.0	0.148262 uW/MHz	12.5 uW/MHz	PASS
	5460.0 to 5470.0	0.450848 uW/MHz	50 uW/MHz	PASS
	5770.0 to 26000.0	0.096390 uW/MHz	12.5 uW/MHz	PASS
TEST CHANNEL		CH 134 (5670 MHz)		
V _{normal}	30.0 to 1000.0	0.002108 uW/100kHz	1.25 uW/100kHz	PASS
	1000.0 to 5460.0	0.120512 uW/MHz	12.5 uW/MHz	PASS
	5460.0 to 5470.0	0.496626 uW/MHz	50 uW/MHz	PASS
	5770.0 to 26000.0	0.144888 uW/MHz	12.5 uW/MHz	PASS
TEST CHANNEL		CH 142 (5710 MHz)		
V _{normal}	30.0 to 1000.0	0.006210 uW/100kHz	1.25 uW/100kHz	PASS
	1000.0 to 5460.0	0.090998 uW/MHz	12.5 uW/MHz	PASS
	5460.0 to 5470.0	0.418822 uW/MHz	50 uW/MHz	PASS
	5770.0 to 26000.0	0.177024 uW/MHz	12.5 uW/MHz	PASS

802.11ax (HE80) Chain 0: W52

TEST CHANNEL		CH 42 (5210 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	618.790	0.001021 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5123.2	5109.284	0.053827 uW/MHz	1.25 uW/MHz	PASS
	5123.2 to 5150.0	5149.117	0.289068 uW/MHz	7.5 uW/MHz	PASS
	5250.0 to 5251.0	5250.094	18.738017 uW/MHz	100.672305 uW/MHz	PASS(1)
	5251.0 to 5290.0	5251.373	1.128308 uW/MHz	12.281707 uW/MHz	PASS(2)
	5290.0 to 5296.7	5292.449	0.269774 uW/MHz	1.674193 uW/MHz	PASS
	5296.7 to 26000.0	5296.700	0.041976 uW/MHz	1.25 uW/MHz	PASS

NOTE: 1. The spectrum plots are attached on the following pages.

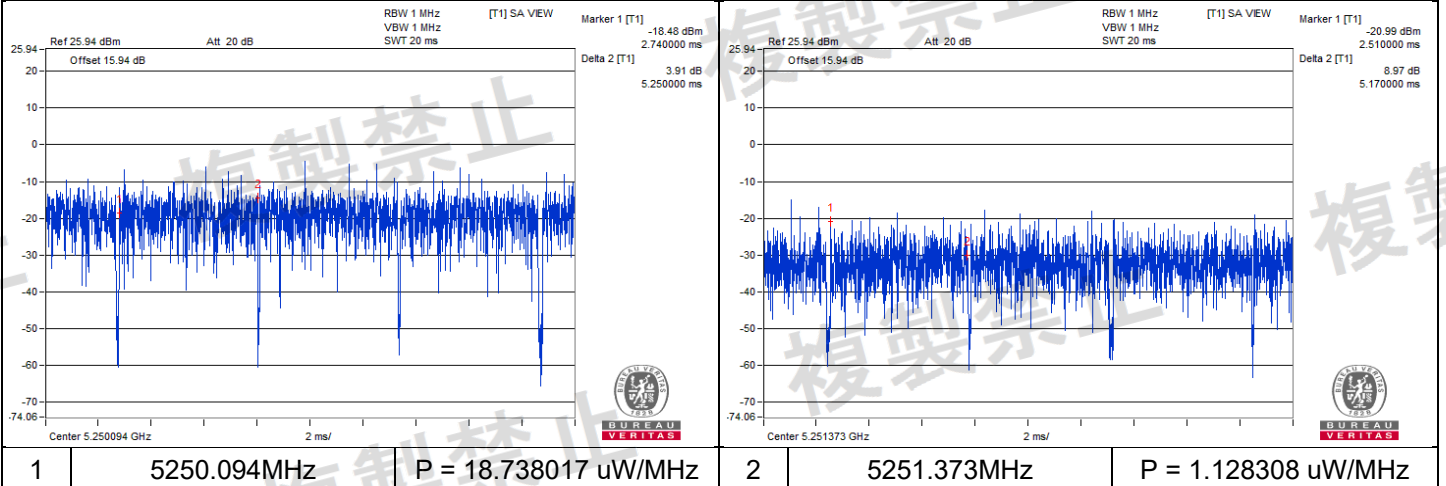
2. (No.): The value was tested under Measuring Mode *Zero Span.



BUREAU
VERITAS

Measuring Mode *Zero Span

1. Set the spectrum analyzer as below and it takes in a value of all data point.
2. Regarding the all data value, it transforms the "dBm" value into "uW" value.
3. It adds the all values and calculates a grand total. Define a grand total as "P".
4. It divides "P" by sample data point (>400) and calculates the mean value.
5. It reports the mean value.



802.11ax (HE80) Chain 1: W52

TEST CHANNEL		CH 42 (5210 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	973.082	0.000897 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5123.2	5122.169	0.044668 uW/MHz	1.25 uW/MHz	PASS
	5123.2 to 5150.0	5149.832	0.284446 uW/MHz	7.5 uW/MHz	PASS
	5250.0 to 5251.0	5250.029	26.21277 uW/MHz	116.92571 uW/MHz	PASS(1)
	5251.0 to 5290.0	5251.048	1.395484 uW/MHz	12.471693 uW/MHz	PASS(2)
	5290.0 to 5296.7	5292.276	0.234963 uW/MHz	1.69422 uW/MHz	PASS
	5296.7 to 26000.0	5299.288	0.043152 uW/MHz	1.25 uW/MHz	PASS

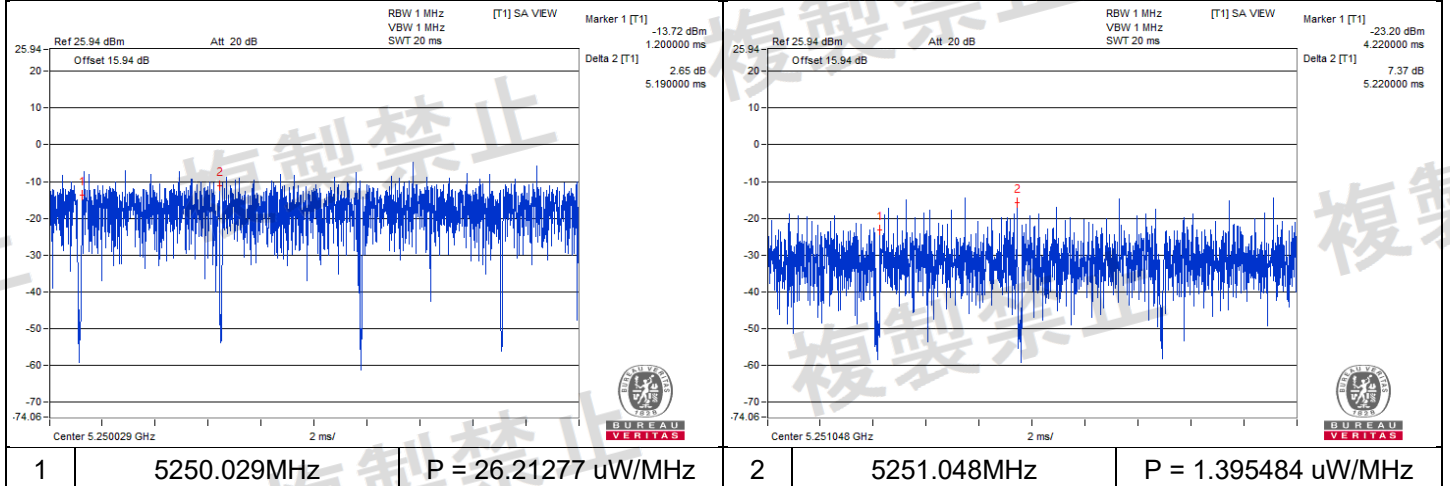
NOTE: 1. The spectrum plots are attached on the following pages.

2. (No.): The value was tested under Measuring Mode *Zero Span.

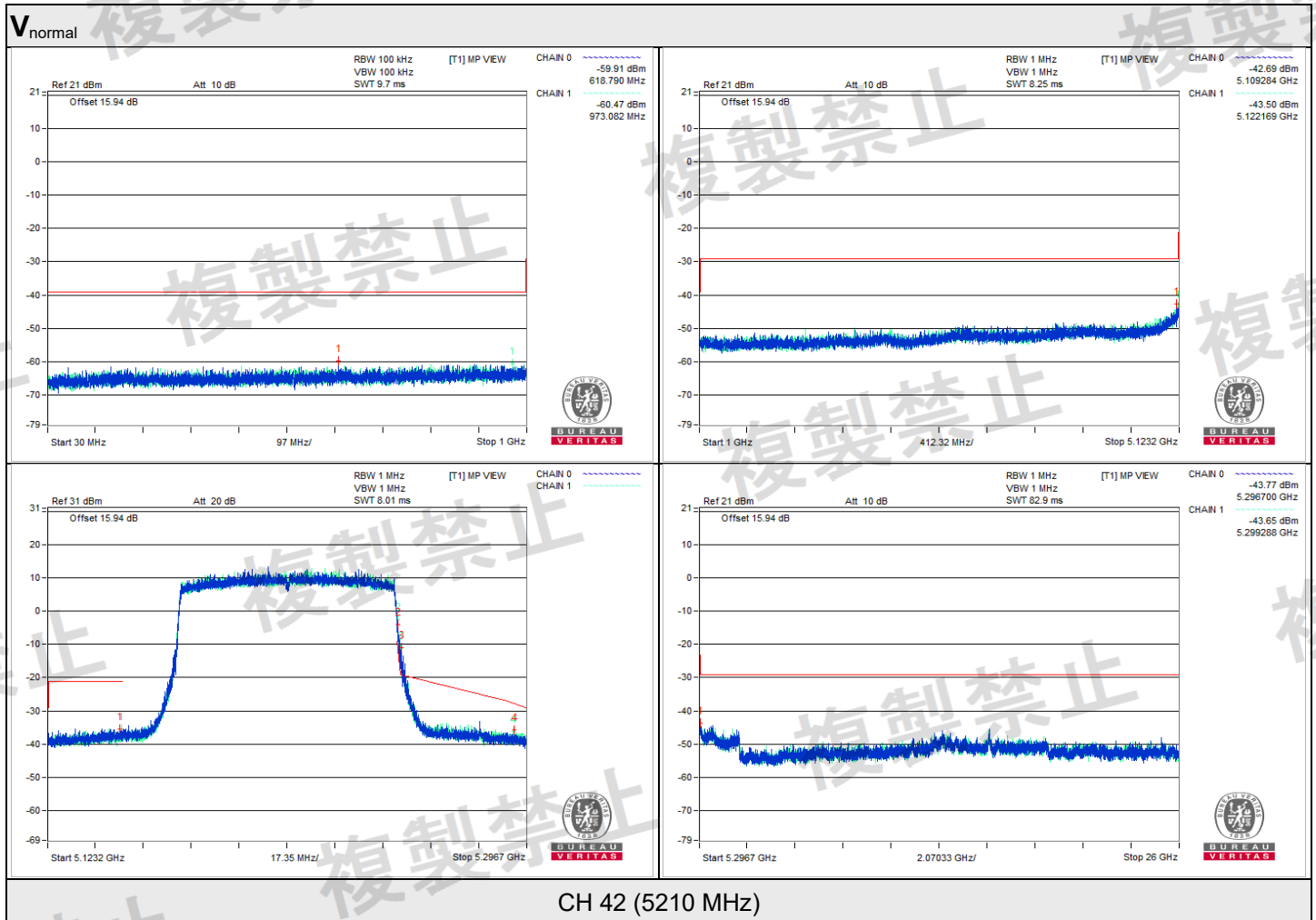


Measuring Mode *Zero Span

1. Set the spectrum analyzer as below and it takes in a value of all data point.
2. Regarding the all data value, it transforms the "dBm" value into "uW" value.
3. It adds the all values and calculates a grand total. Define a grand total as "P".
4. It divides "P" by sample data point (>400) and calculates the mean value.
5. It reports the mean value.



802.11ax (HE80) Graph: W52



802.11ax (HE80) [Worst result] x [Number of antenna ports]: W52

TEST CHANNEL		CH 42 (5210 MHz)		
TEST CONDITION	FREQUENCY RANGE(MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V_{normal}	30.0 to 1000.0	0.002042 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 5123.2	0.107654 uW/MHz	2.5 uW/MHz	PASS
	5123.2 to 5150.0	0.578136 uW/MHz	15 uW/MHz	PASS
	5250.0 to 5251.0	52.425540 uW/MHz	233.85142 uW/MHz	PASS
	5251.0 to 5290.0	2.790968 uW/MHz	24.94339 uW/MHz	PASS
	5290.0 to 5296.7	0.539548 uW/MHz	3.34839 uW/MHz	PASS
	5296.7 to 26000.0	0.086304 uW/MHz	2.5 uW/MHz	PASS

802.11ax (HE80) Chain 0: W53

TEST CHANNEL		CH 58 (5290 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	882.388	0.000933 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5203.3	5201.724	0.04217 uW/MHz	1.25 uW/MHz	PASS
	5203.3 to 5210.0	5207.919	0.255859 uW/MHz	1.71708 uW/MHz	PASS
	5210.0 to 5249.0	5248.865	1.00189 uW/MHz	12.420549 uW/MHz	PASS(1)
	5249.0 to 5250.0	5249.950	7.937158 uW/MHz	111.406368 uW/MHz	PASS(2)
	5350.0 to 5376.8	5352.488	0.314051 uW/MHz	7.5 uW/MHz	PASS
	5376.8 to 26000.0	5387.112	0.042364 uW/MHz	1.25 uW/MHz	PASS

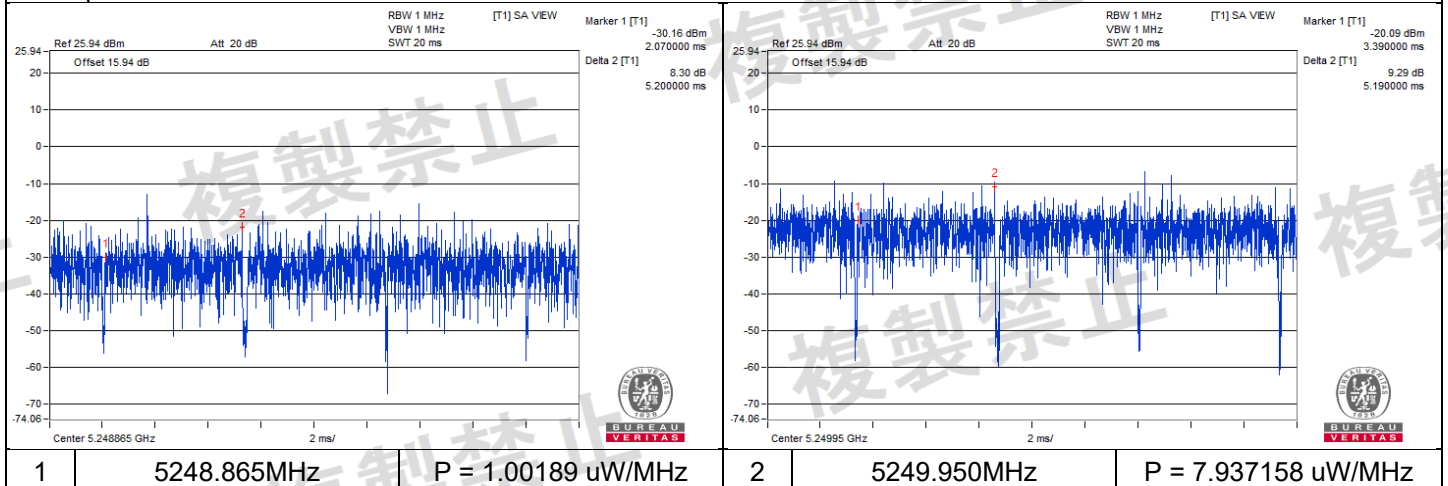
NOTE: 1. The spectrum plots are attached on the following pages.

2. (No.): The value was tested under Measuring Mode *Zero Span.



Measuring Mode *Zero Span

1. Set the spectrum analyzer as below and it takes in a value of all data point.
2. Regarding the all data value, it transforms the “dBm” value into “uW” value.
3. It adds the all values and calculates a grand total. Define a grand total as “P”.
4. It divides “P” by sample data point (>400) and calculates the mean value.
5. It reports the mean value.



802.11ax (HE80) Chain 1: W53

TEST CHANNEL		CH 58 (5290 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	997.939	0.000989 uW/100kHz	0.125 uW/100kHz	PASS
	1000.0 to 5203.3	5203.300	0.048417 uW/MHz	1.25 uW/MHz	PASS
	5203.3 to 5210.0	5203.864	0.252348 uW/MHz	1.299409 uW/MHz	PASS
	5210.0 to 5249.0	5248.974	1.060994 uW/MHz	12.484659 uW/MHz	PASS(1)
	5249.0 to 5250.0	5249.841	5.774036 uW/MHz	86.678226 uW/MHz	PASS(2)
	5350.0 to 5376.8	5353.377	0.317687 uW/MHz	7.5 uW/MHz	PASS
	5376.8 to 26000.0	5376.800	0.048417 uW/MHz	1.25 uW/MHz	PASS

NOTE: 1. The spectrum plots are attached on the following pages.

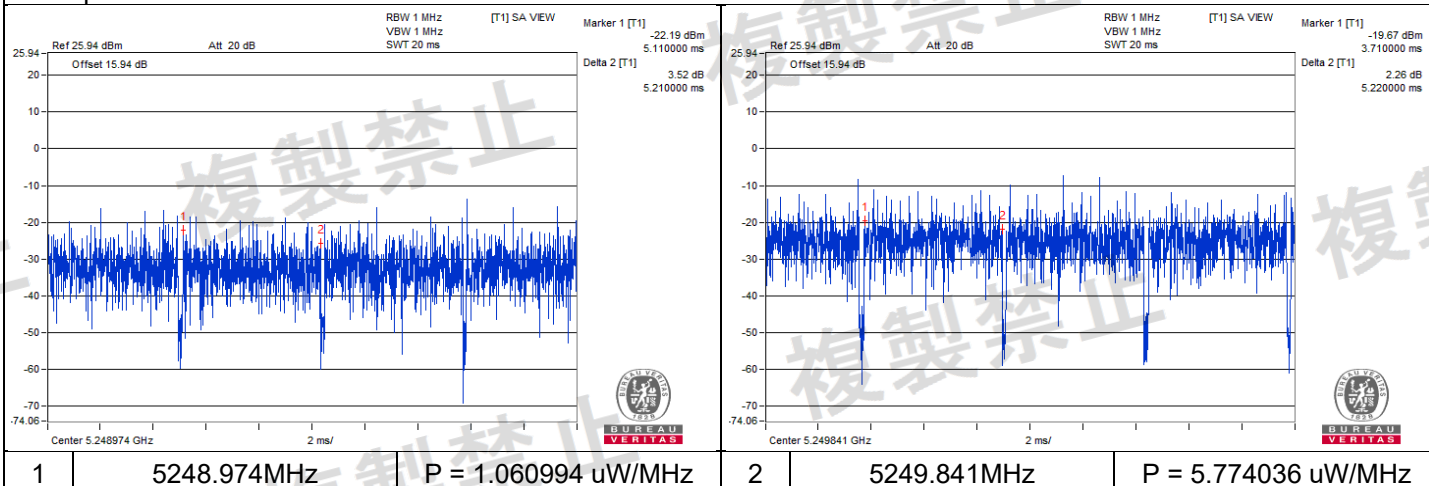
2. (No.): The value was tested under Measuring Mode *Zero Span.



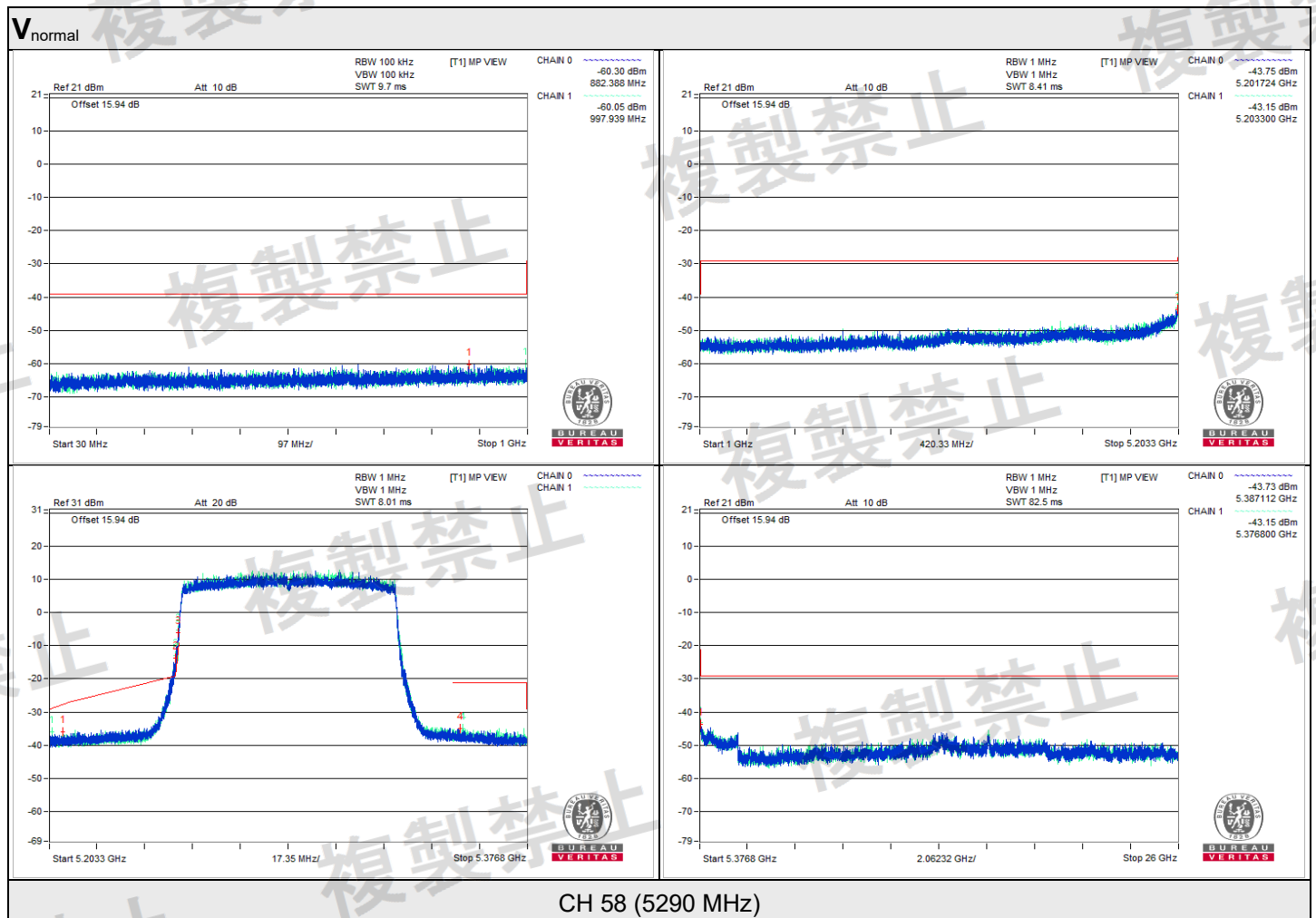
BUREAU
VERITAS

Measuring Mode *Zero Span

1. Set the spectrum analyzer as below and it takes in a value of all data point.
2. Regarding the all data value, it transforms the "dBm" value into "uW" value.
3. It adds the all values and calculates a grand total. Define a grand total as "P".
4. It divides "P" by sample data point (>400) and calculates the mean value.
5. It reports the mean value.



802.11ax (HE80) Graph: W53



802.11ax (HE80) [Worst result] x [Number of antenna ports]: W53

TEST CHANNEL		CH 58 (5290 MHz)		
TEST CONDITION	FREQUENCY RANGE(MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V_{normal}	30.0 to 1000.0	0.001978 uW/100kHz	0.25 uW/100kHz	PASS
	1000.0 to 5203.3	0.096834 uW/MHz	2.5 uW/MHz	PASS
	5203.3 to 5210.0	0.511718 uW/MHz	3.43416 uW/MHz	PASS
	5210.0 to 5249.0	2.121988 uW/MHz	24.96932 uW/MHz	PASS
	5249.0 to 5250.0	15.874316 uW/MHz	222.81274 uW/MHz	PASS
	5350.0 to 5376.8	0.635374 uW/MHz	15 uW/MHz	PASS
	5376.8 to 26000.0	0.096834 uW/MHz	2.5 uW/MHz	PASS

802.11ax (HE80) Chain 0: W56

TEST CHANNEL		CH 106 (5530 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	771.322	0.001062 uW/100kHz	0.625 uW/100kHz	PASS
	1000.0 to 5460.0	5456.655	0.231739 uW/MHz	6.25 uW/MHz	PASS
	5460.0 to 5469.5	5463.333	0.731139 uW/MHz	25 uW/MHz	PASS
	5469.5 to 5470.0	5469.920	0.467735 uW/MHz	25.6 uW/MHz	PASS
	5770.0 to 26000.0	5855.977	0.06368 uW/MHz	6.25 uW/MHz	PASS
TEST CHANNEL		CH 122 (5610 MHz)			
V _{normal}	30.0 to 1000.0	942.528	0.001153 uW/100kHz	0.625 uW/100kHz	PASS
	1000.0 to 5460.0	5281.042	0.087498 uW/MHz	6.25 uW/MHz	PASS
	5460.0 to 5469.5	5460.504	0.311172 uW/MHz	25 uW/MHz	PASS
	5469.5 to 5470.0	5469.804	0.18578 uW/MHz	25.6 uW/MHz	PASS
	5770.0 to 26000.0	5807.931	0.062517 uW/MHz	6.25 uW/MHz	PASS
TEST CHANNEL		CH 138 (5690 MHz)			
V _{normal}	30.0 to 1000.0	675.535	0.001079 uW/100kHz	0.625 uW/100kHz	PASS
	1000.0 to 5460.0	5396.445	0.064417 uW/MHz	6.25 uW/MHz	PASS
	5460.0 to 5469.5	5467.905	0.262422 uW/MHz	25 uW/MHz	PASS
	5469.5 to 5470.0	5469.804	0.165577 uW/MHz	25.6 uW/MHz	PASS
	5770.0 to 26000.0	5782.644	0.197242 uW/MHz	6.25 uW/MHz	PASS

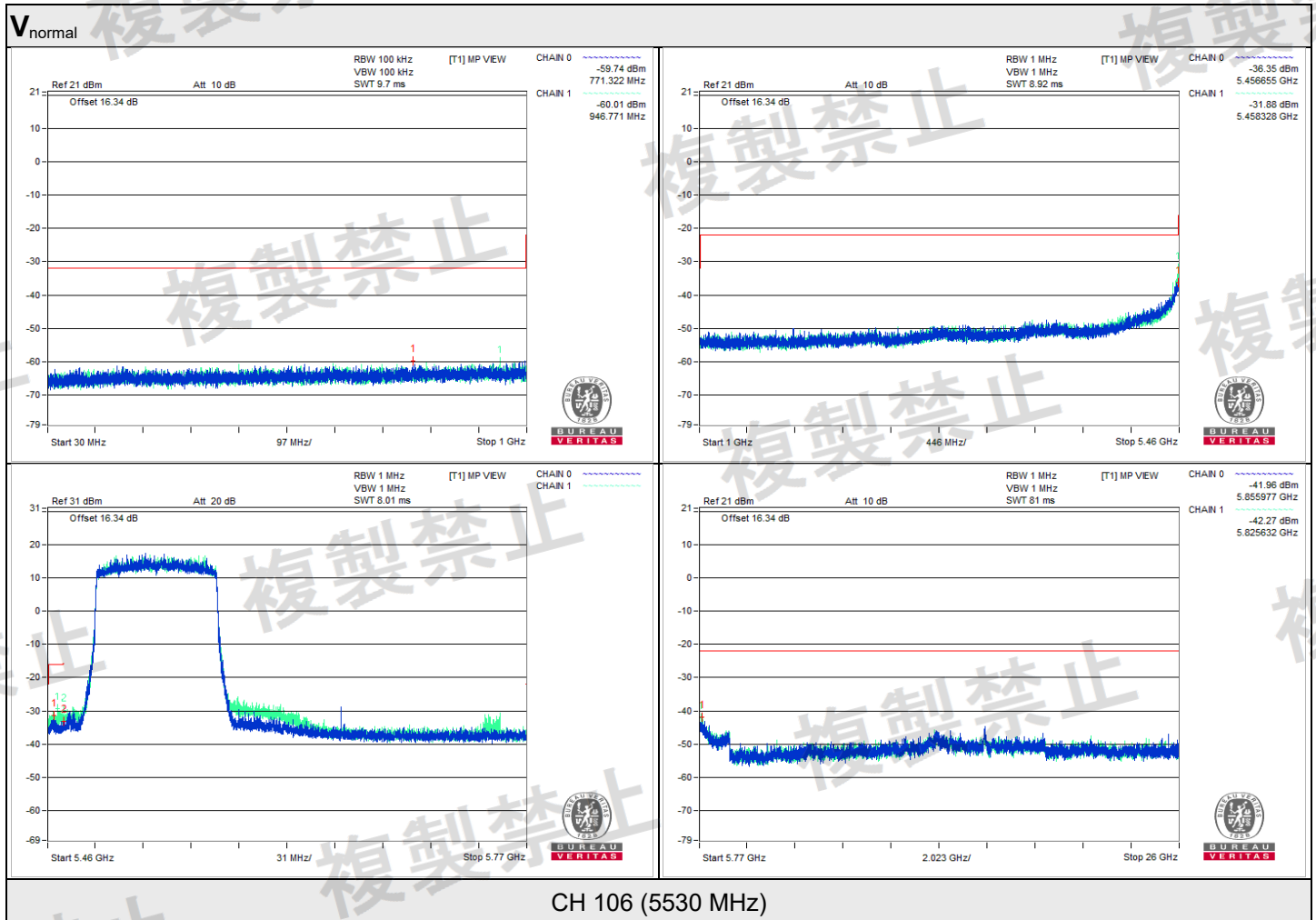
NOTE: 1. The spectrum plots are attached on the following pages.

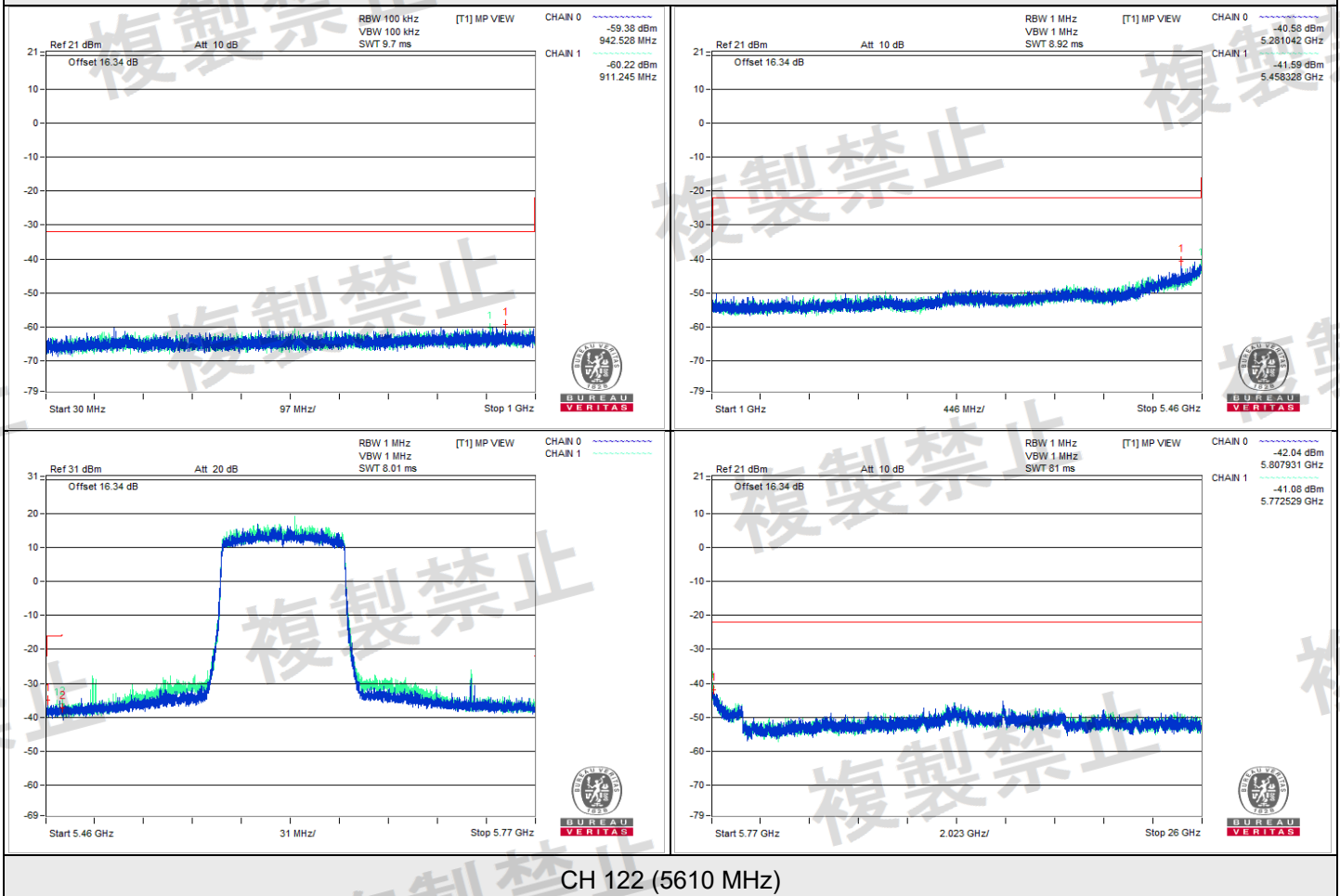
802.11ax (HE80) Chain 1: W56

TEST CHANNEL		CH 106 (5530 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	946.771	0.000998 uW/100kHz	0.625 uW/100kHz	PASS
	1000.0 to 5460.0	5458.328	0.648634 uW/MHz	6.25 uW/MHz	PASS
	5460.0 to 5469.5	5465.658	1.185769 uW/MHz	25 uW/MHz	PASS
	5469.5 to 5470.0	5469.998	1.054387 uW/MHz	25.6 uW/MHz	PASS
	5770.0 to 26000.0	5825.632	0.059293 uW/MHz	6.25 uW/MHz	PASS
TEST CHANNEL		CH 122 (5610 MHz)			
V _{normal}	30.0 to 1000.0	911.245	0.000951 uW/100kHz	0.625 uW/100kHz	PASS
	1000.0 to 5460.0	5458.328	0.069343 uW/MHz	6.25 uW/MHz	PASS
	5460.0 to 5469.5	5466.239	0.232274 uW/MHz	25 uW/MHz	PASS
	5469.5 to 5470.0	5469.533	0.254683 uW/MHz	25.6 uW/MHz	PASS
	5770.0 to 26000.0	5772.529	0.077983 uW/MHz	6.25 uW/MHz	PASS
TEST CHANNEL		CH 138 (5690 MHz)			
V _{normal}	30.0 to 1000.0	971.991	0.000964 uW/100kHz	0.625 uW/100kHz	PASS
	1000.0 to 5460.0	5432.125	0.031769 uW/MHz	6.25 uW/MHz	PASS
	5460.0 to 5469.5	5466.123	0.21928 uW/MHz	25 uW/MHz	PASS
	5469.5 to 5470.0	5469.998	0.174582 uW/MHz	25.6 uW/MHz	PASS
	5770.0 to 26000.0	5770.000	0.236048 uW/MHz	6.25 uW/MHz	PASS

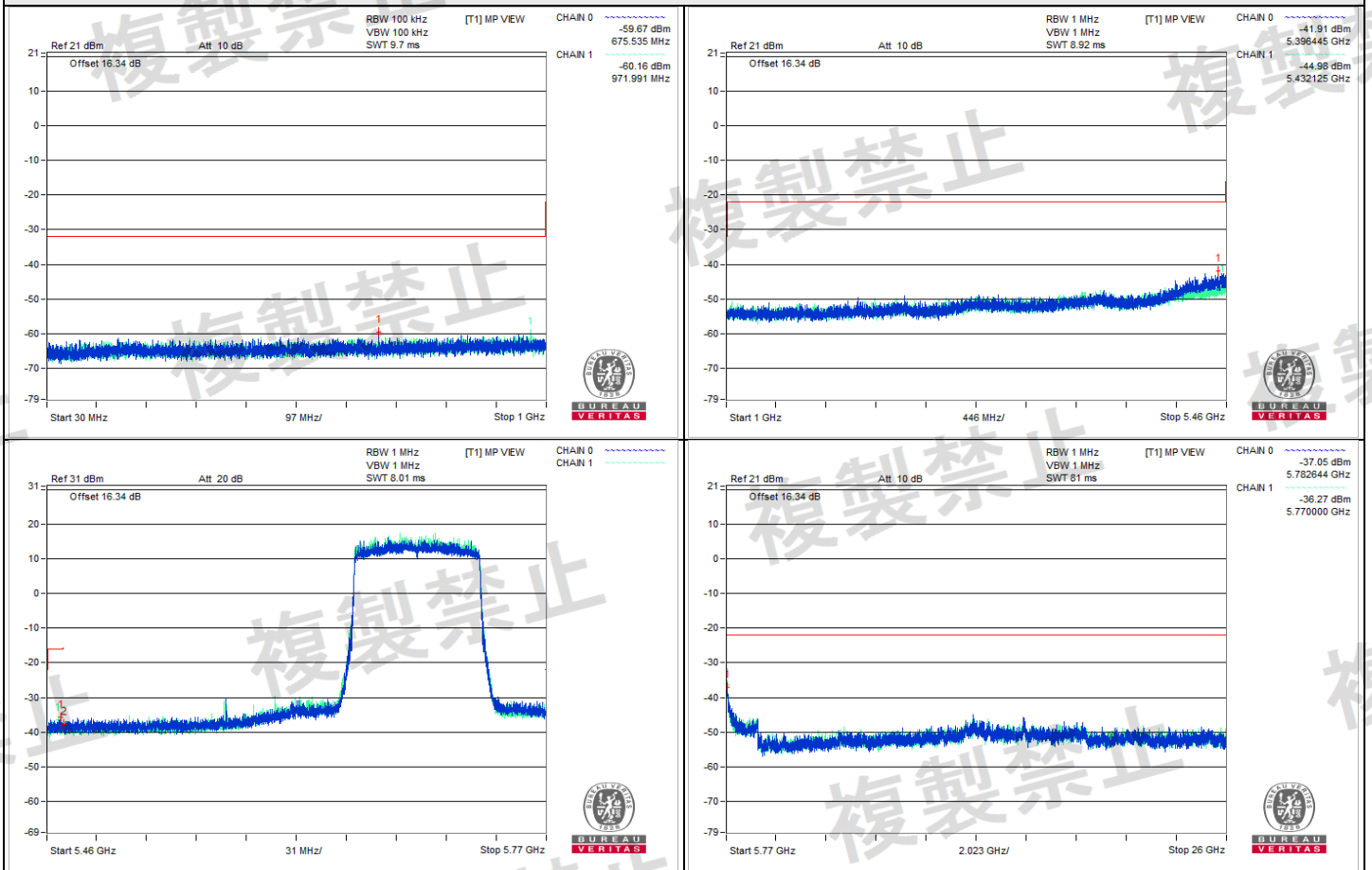
NOTE: 1. The spectrum plots are attached on the following pages.

802.11ax (HE80) Graph: W56



Vnormal

Vnormal



CH 138 (5690 MHz)

802.11ax (HE80) [Worst result] x [Number of antenna ports]: W56

TEST CHANNEL		CH 106 (5530 MHz)		
TEST CONDITION	FREQUENCY RANGE(MHz)	MEASUREMENT VALUE	LIMIT	RESULT
V _{normal}	30.0 to 1000.0	0.002124 uW/100kHz	1.25 uW/100kHz	PASS
	1000.0 to 5460.0	1.297268 uW/MHz	12.5 uW/MHz	PASS
	5460.0 to 5469.5	2.371538 uW/MHz	50 uW/MHz	PASS
	5469.5 to 5470.0	2.108774 uW/MHz	51.2 uW/MHz	PASS
	5770.0 to 26000.0	0.127360 uW/MHz	12.5 uW/MHz	PASS
TEST CHANNEL		CH 122 (5610 MHz)		
V _{normal}	30.0 to 1000.0	0.002306 uW/100kHz	1.25 uW/100kHz	PASS
	1000.0 to 5460.0	0.174996 uW/MHz	12.5 uW/MHz	PASS
	5460.0 to 5469.5	0.622344 uW/MHz	50 uW/MHz	PASS
	5469.5 to 5470.0	0.509366 uW/MHz	51.2 uW/MHz	PASS
	5770.0 to 26000.0	0.155966 uW/MHz	12.5 uW/MHz	PASS
TEST CHANNEL		CH 138 (5690 MHz)		
V _{normal}	30.0 to 1000.0	0.002158 uW/100kHz	1.25 uW/100kHz	PASS
	1000.0 to 5460.0	0.128834 uW/MHz	12.5 uW/MHz	PASS
	5460.0 to 5469.5	0.524844 uW/MHz	50 uW/MHz	PASS
	5469.5 to 5470.0	0.349164 uW/MHz	51.2 uW/MHz	PASS
	5770.0 to 26000.0	0.472096 uW/MHz	12.5 uW/MHz	PASS

7.4 Spurious Emissions of Receiver

Environmental Conditions:	25°C, 76% RH	Tested By:	Waydi Tuan
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20 MHz System Chain 0

TEST CHANNEL		CH 36 (5180 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE(nW)	LIMIT (nW)	RESULT
V _{normal}	30.0 to 1000.0	910.639	0.003648	2	PASS
	1000.0 to 26000.0	17840.625	0.088512	10	PASS
TEST CHANNEL		CH 48 (5240 MHz)			
V _{normal}	30.0 to 1000.0	863.715	0.003828	2	PASS
	1000.0 to 26000.0	6046.875	0.091411	10	PASS
TEST CHANNEL		CH 52 (5260 MHz)			
V _{normal}	30.0 to 1000.0	850.378	0.004446	2	PASS
	1000.0 to 26000.0	5803.125	0.132739	10	PASS
TEST CHANNEL		CH 64 (5320 MHz)			
V _{normal}	30.0 to 1000.0	955.744	0.003908	2	PASS
	1000.0 to 26000.0	15775.000	0.090157	10	PASS
TEST CHANNEL		CH 100 (5500 MHz)			
V _{normal}	30.0 to 1000.0	917.186	0.004529	2	PASS
	1000.0 to 26000.0	17771.875	0.101625	10	PASS
TEST CHANNEL		CH 120 (5600 MHz)			
V _{normal}	30.0 to 1000.0	908.214	0.003681	2	PASS
	1000.0 to 26000.0	17831.250	0.11749	10	PASS
TEST CHANNEL		CH 140 (5700 MHz)			
V _{normal}	30.0 to 1000.0	991.755	0.003776	2	PASS
	1000.0 to 26000.0	5896.875	0.087498	10	PASS
TEST CHANNEL		CH 144 (5720 MHz)			
V _{normal}	30.0 to 1000.0	851.105	0.00335	2	PASS
	1000.0 to 26000.0	17790.625	0.123027	10	PASS

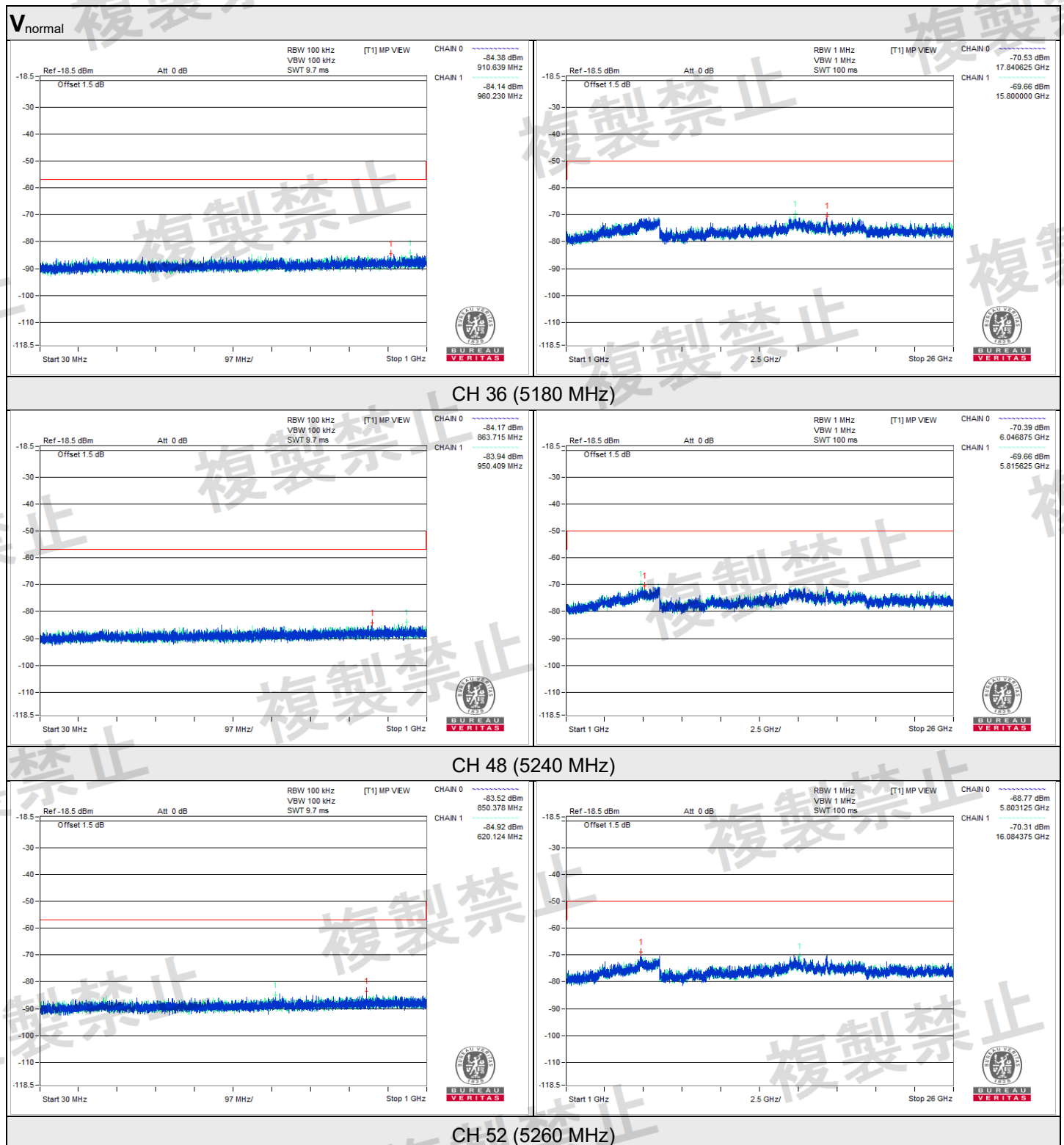
NOTE: 1. The spectrum plots are attached on the following pages.

20 MHz System Chain 1

TEST CHANNEL		CH 36 (5180 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE(nW)	LIMIT (nW)	RESULT
V _{normal}	30.0 to 1000.0	960.230	0.003855	2	PASS
	1000.0 to 26000.0	15800.000	0.108143	10	PASS
TEST CHANNEL		CH 48 (5240 MHz)			
V _{normal}	30.0 to 1000.0	950.409	0.004036	2	PASS
	1000.0 to 26000.0	5815.625	0.108143	10	PASS
TEST CHANNEL		CH 52 (5260 MHz)			
V _{normal}	30.0 to 1000.0	620.124	0.003221	2	PASS
	1000.0 to 26000.0	16084.375	0.093111	10	PASS
TEST CHANNEL		CH 64 (5320 MHz)			
V _{normal}	30.0 to 1000.0	944.346	0.003373	2	PASS
	1000.0 to 26000.0	17778.125	0.108393	10	PASS
TEST CHANNEL		CH 100 (5500 MHz)			
V _{normal}	30.0 to 1000.0	886.631	0.003357	2	PASS
	1000.0 to 26000.0	6965.625	0.08995	10	PASS
TEST CHANNEL		CH 120 (5600 MHz)			
V _{normal}	30.0 to 1000.0	951.864	0.003548	2	PASS
	1000.0 to 26000.0	15825.000	0.11695	10	PASS
TEST CHANNEL		CH 140 (5700 MHz)			
V _{normal}	30.0 to 1000.0	860.441	0.003724	2	PASS
	1000.0 to 26000.0	17803.125	0.092683	10	PASS
TEST CHANNEL		CH 144 (5720 MHz)			
V _{normal}	30.0 to 1000.0	893.058	0.003565	2	PASS
	1000.0 to 26000.0	15765.625	0.089536	10	PASS

NOTE: 1. The spectrum plots are attached on the following pages.

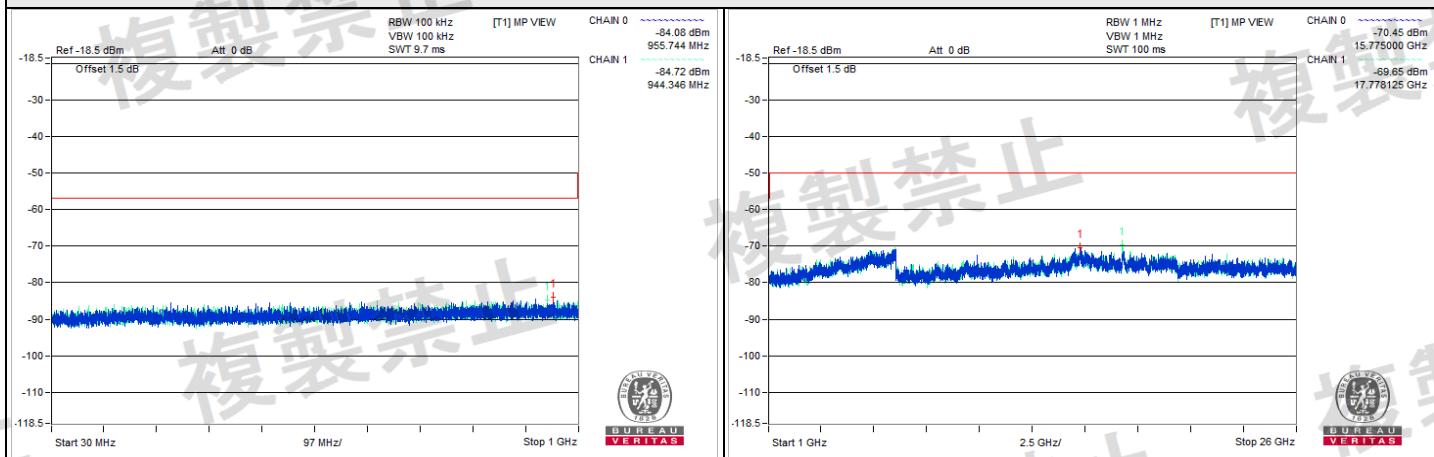
20 MHz System Graph



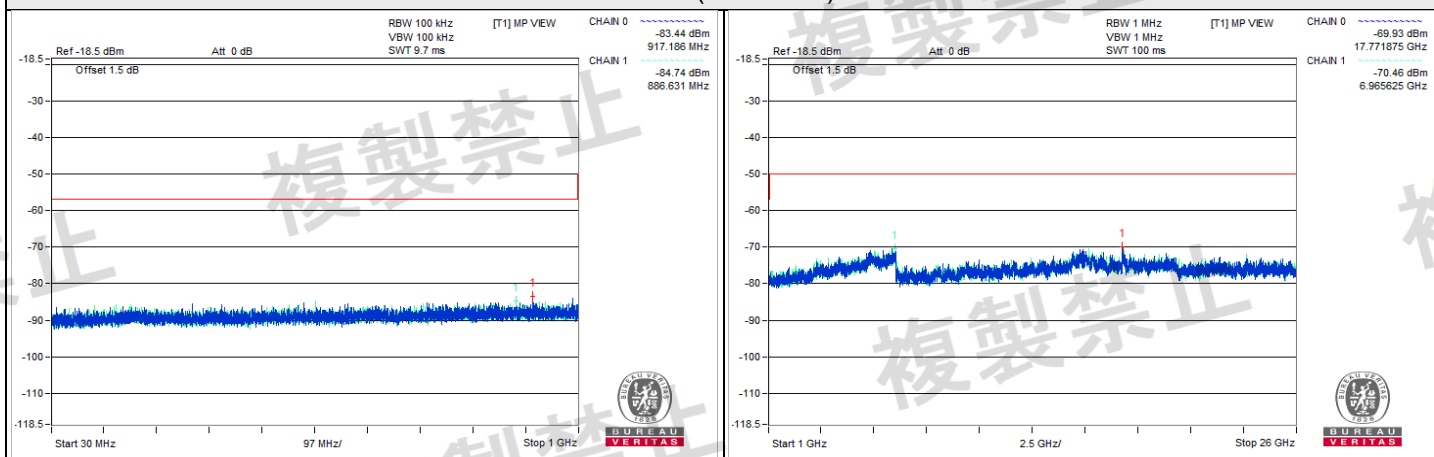


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VERITAS

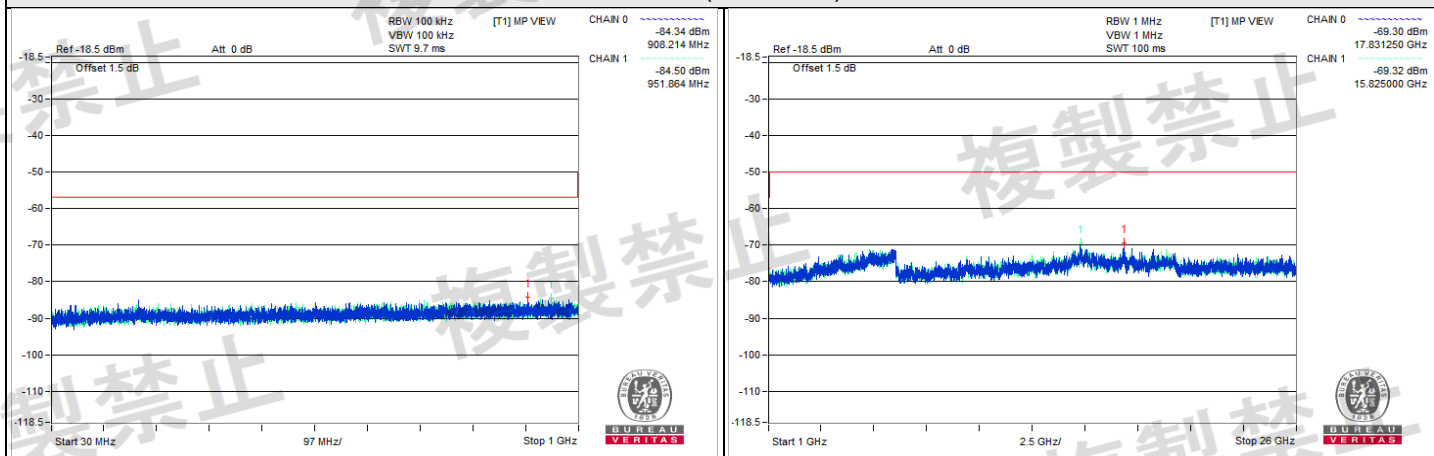
V_{normal}



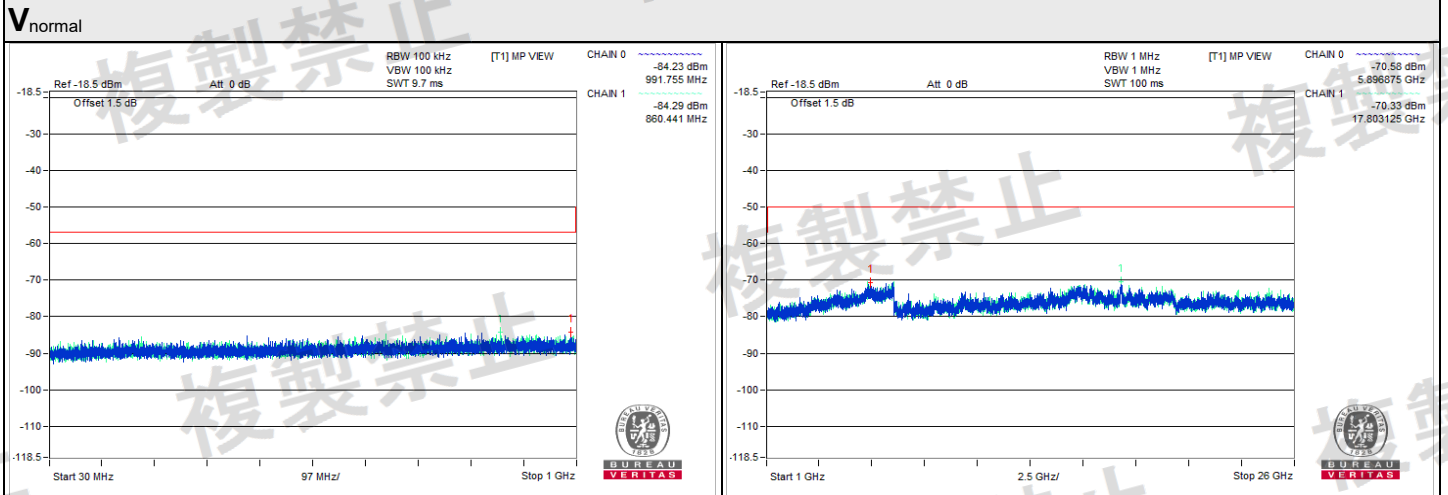
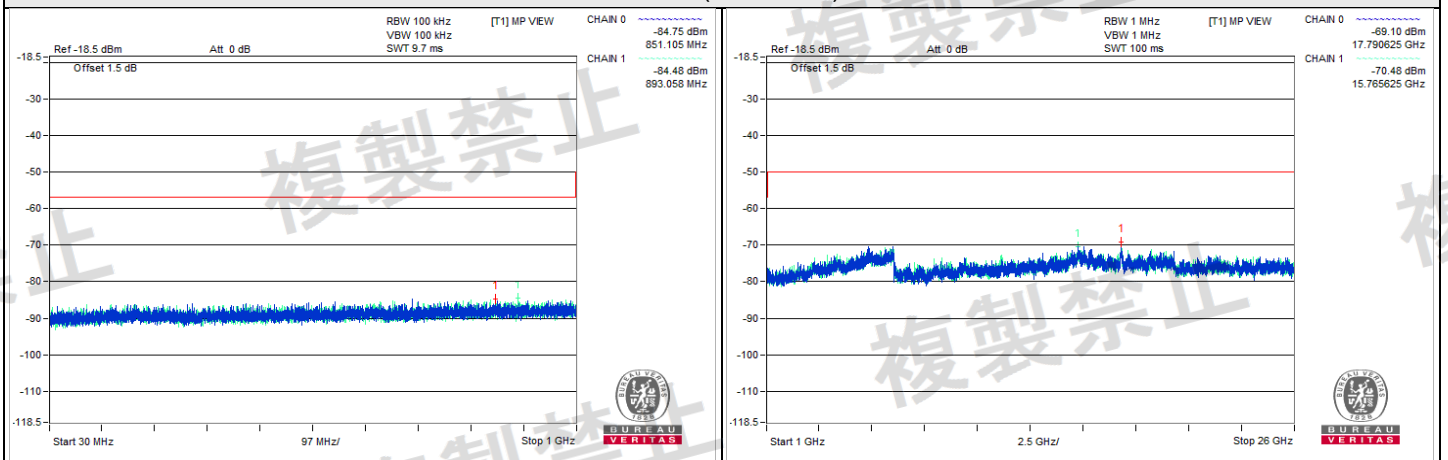
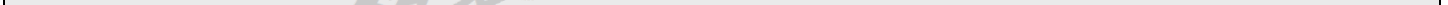
CH 64 (5320 MHz)



CH 100 (5500 MHz)



CH 120 (5600 MHz)

**CH 140 (5700 MHz)****CH 144 (5720 MHz)**

20 MHz System Sum of each Chain

TEST CHANNEL		CH 36 (5180 MHz)		
TEST CONDITION	FREQUENCY RANGE(MHz)	MEASUREMENT VALUE(nW)	LIMIT (nW)	RESULT
V _{normal}	30.0 to 1000.0	0.007503	4	PASS
	1000.0 to 26000.0	0.196655	20	PASS
TEST CHANNEL		CH 48 (5240 MHz)		
V _{normal}	30.0 to 1000.0	0.007864	4	PASS
	1000.0 to 26000.0	0.199554	20	PASS
TEST CHANNEL		CH 52 (5260 MHz)		
V _{normal}	30.0 to 1000.0	0.007667	4	PASS
	1000.0 to 26000.0	0.225850	20	PASS
TEST CHANNEL		CH 64 (5320 MHz)		
V _{normal}	30.0 to 1000.0	0.007281	4	PASS
	1000.0 to 26000.0	0.198550	20	PASS
TEST CHANNEL		CH 100 (5500 MHz)		
V _{normal}	30.0 to 1000.0	0.007886	4	PASS
	1000.0 to 26000.0	0.191575	20	PASS
TEST CHANNEL		CH 120 (5600 MHz)		
V _{normal}	30.0 to 1000.0	0.007229	4	PASS
	1000.0 to 26000.0	0.234440	20	PASS
TEST CHANNEL		CH 140 (5700 MHz)		
V _{normal}	30.0 to 1000.0	0.007500	4	PASS
	1000.0 to 26000.0	0.180181	20	PASS
TEST CHANNEL		CH 144 (5720 MHz)		
V _{normal}	30.0 to 1000.0	0.006915	4	PASS
	1000.0 to 26000.0	0.212563	20	PASS

40 MHz System Chain 0

TEST CHANNEL		CH 38 (5190 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE(nW)	LIMIT (nW)	RESULT
V _{normal}	30.0 to 1000.0	769.140	0.003296	2	PASS
	1000.0 to 26000.0	6740.625	0.115878	10	PASS
TEST CHANNEL		CH 46 (5230 MHz)			
V _{normal}	30.0 to 1000.0	891.724	0.003508	2	PASS
	1000.0 to 26000.0	17800.000	0.09506	10	PASS
TEST CHANNEL		CH 54 (5270 MHz)			
V _{normal}	30.0 to 1000.0	974.295	0.004111	2	PASS
	1000.0 to 26000.0	17846.875	0.087902	10	PASS
TEST CHANNEL		CH 62 (5310 MHz)			
V _{normal}	30.0 to 1000.0	948.105	0.004046	2	PASS
	1000.0 to 26000.0	17818.750	0.101859	10	PASS
TEST CHANNEL		CH 102 (5510 MHz)			
V _{normal}	30.0 to 1000.0	182.290	0.003548	2	PASS
	1000.0 to 26000.0	16006.250	0.103992	10	PASS
TEST CHANNEL		CH 118 (5590 MHz)			
V _{normal}	30.0 to 1000.0	938.526	0.003828	2	PASS
	1000.0 to 26000.0	15775.000	0.097949	10	PASS
TEST CHANNEL		CH 134 (5670 MHz)			
V _{normal}	30.0 to 1000.0	983.874	0.003936	2	PASS
	1000.0 to 26000.0	15459.375	0.103514	10	PASS
TEST CHANNEL		CH 142 (5710 MHz)			
V _{normal}	30.0 to 1000.0	964.595	0.003436	2	PASS
	1000.0 to 26000.0	17815.625	0.108393	10	PASS

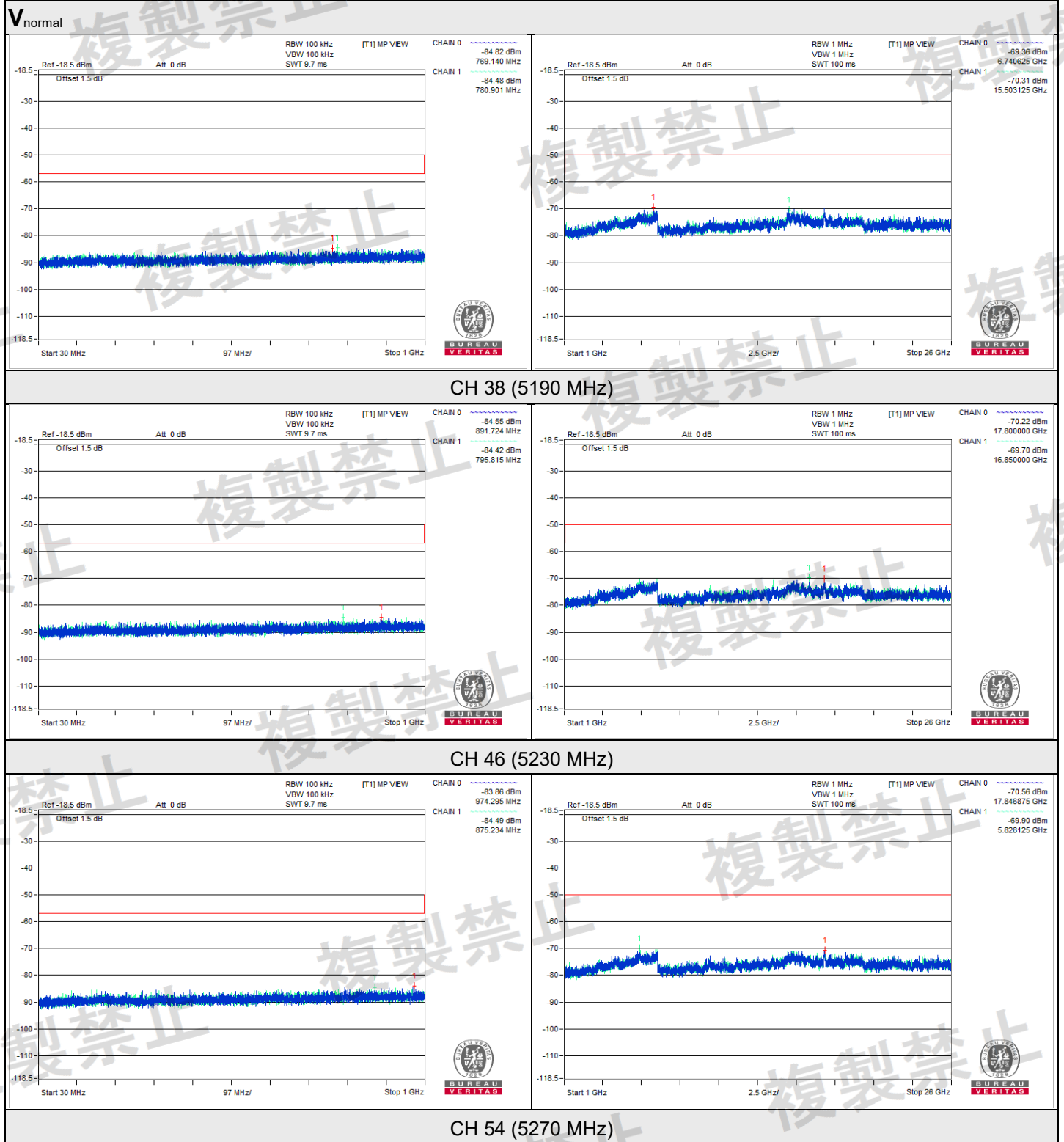
NOTE: 1. The spectrum plots are attached on the following pages.

40 MHz System Chain 1

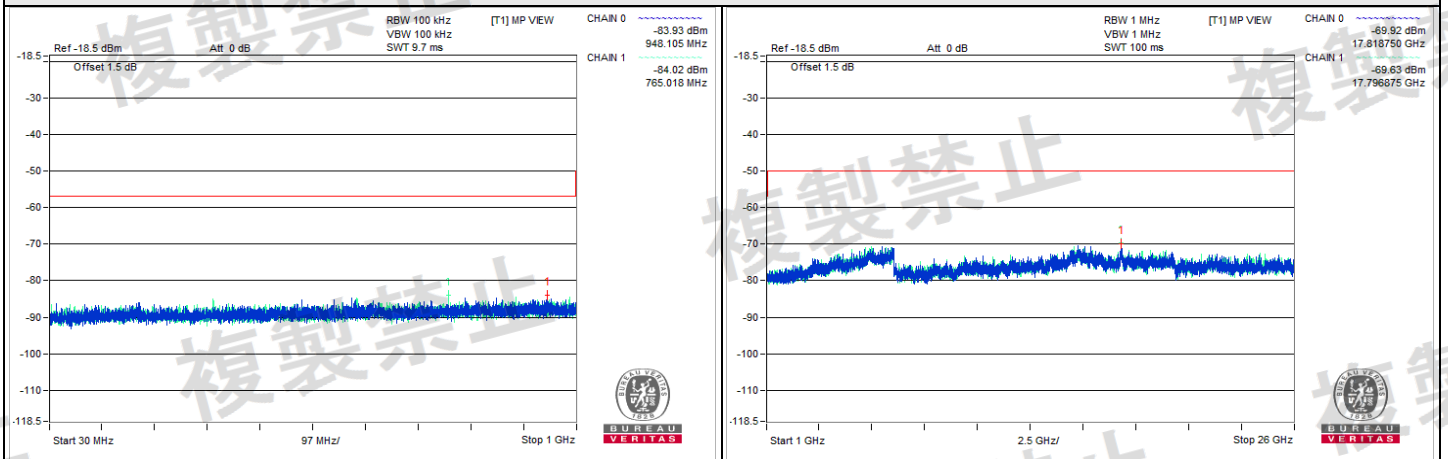
TEST CHANNEL		CH 38 (5190 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE(nW)	LIMIT (nW)	RESULT
V _{normal}	30.0 to 1000.0	780.901	0.003565	2	PASS
	1000.0 to 26000.0	15503.125	0.093111	10	PASS
TEST CHANNEL		CH 46 (5230 MHz)			
V _{normal}	30.0 to 1000.0	795.815	0.003614	2	PASS
	1000.0 to 26000.0	16850.000	0.107152	10	PASS
TEST CHANNEL		CH 54 (5270 MHz)			
V _{normal}	30.0 to 1000.0	875.234	0.003556	2	PASS
	1000.0 to 26000.0	5828.125	0.102329	10	PASS
TEST CHANNEL		CH 62 (5310 MHz)			
V _{normal}	30.0 to 1000.0	765.018	0.003963	2	PASS
	1000.0 to 26000.0	17796.875	0.108893	10	PASS
TEST CHANNEL		CH 102 (5510 MHz)			
V _{normal}	30.0 to 1000.0	826.734	0.00369	2	PASS
	1000.0 to 26000.0	6950.000	0.097051	10	PASS
TEST CHANNEL		CH 118 (5590 MHz)			
V _{normal}	30.0 to 1000.0	985.814	0.003573	2	PASS
	1000.0 to 26000.0	15771.875	0.116681	10	PASS
TEST CHANNEL		CH 134 (5670 MHz)			
V _{normal}	30.0 to 1000.0	940.587	0.003837	2	PASS
	1000.0 to 26000.0	15759.375	0.090157	10	PASS
TEST CHANNEL		CH 142 (5710 MHz)			
V _{normal}	30.0 to 1000.0	313.846	0.00342	2	PASS
	1000.0 to 26000.0	15878.125	0.096383	10	PASS

NOTE: 1. The spectrum plots are attached on the following pages.

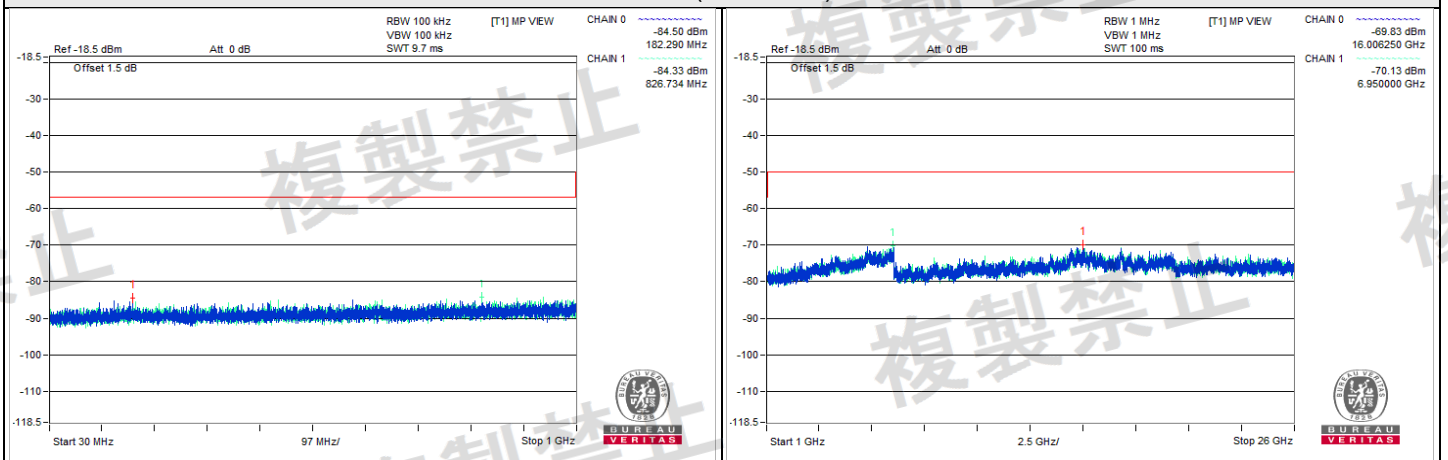
40 MHz System Graph



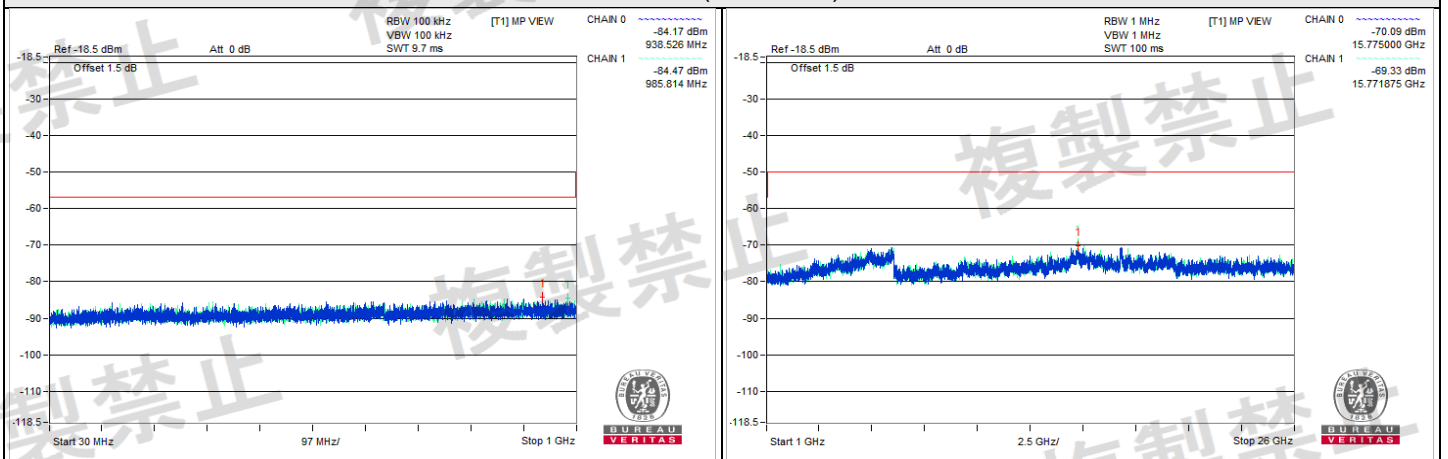
V_{normal}



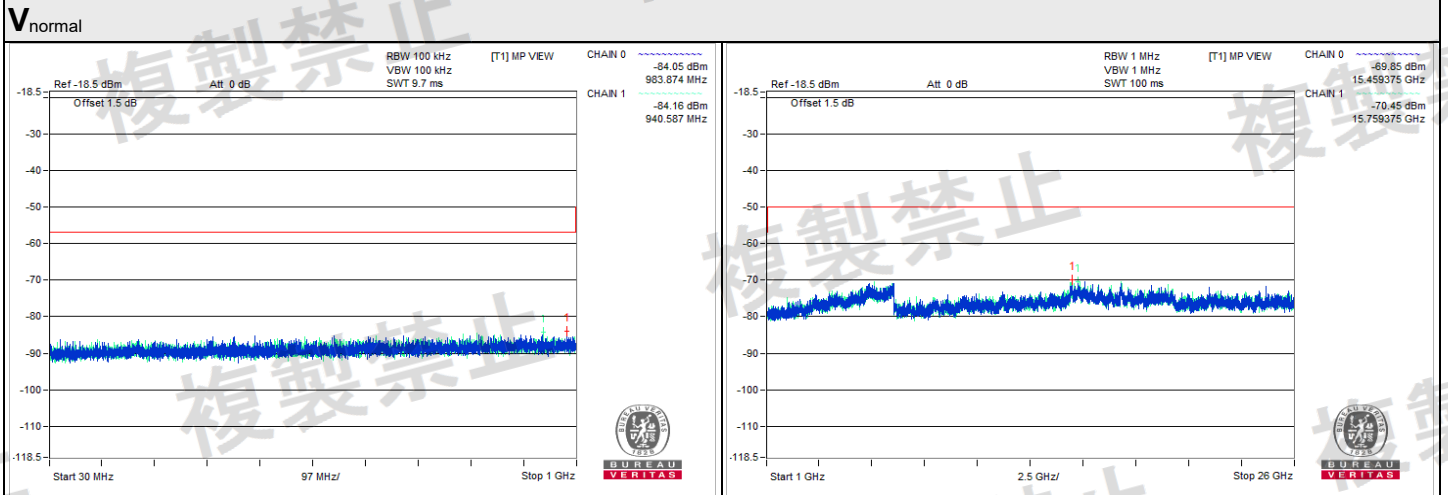
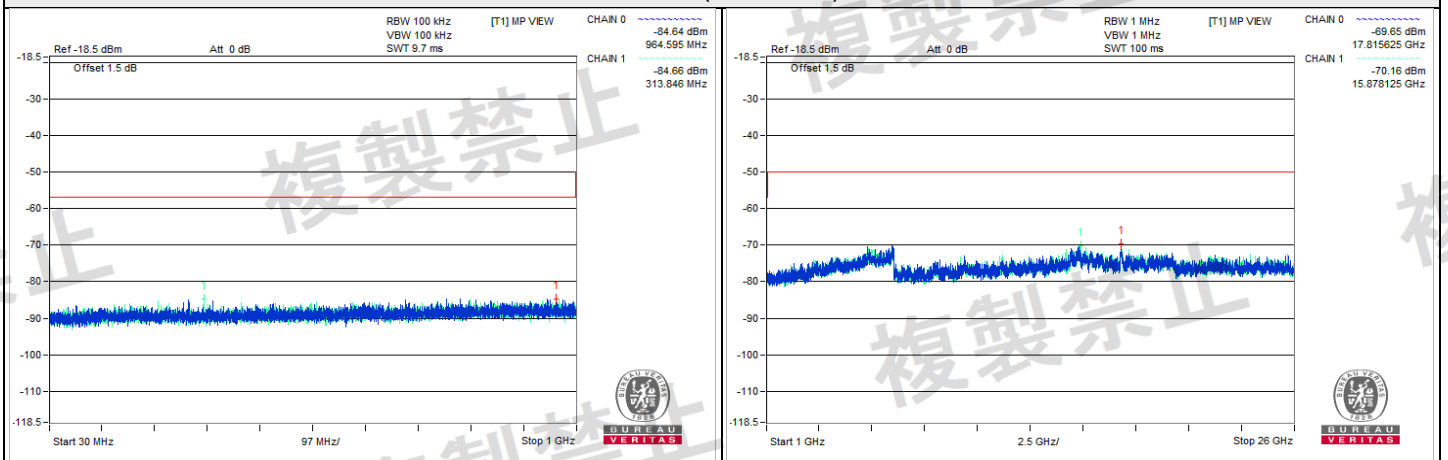
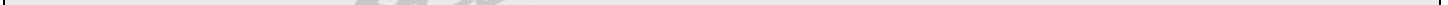
CH 62 (5310 MHz)



CH 102 (5510 MHz)



CH 118 (5590 MHz)

**CH 134 (5670 MHz)****CH 142 (5710 MHz)**

40 MHz System Sum of each Chain

TEST CHANNEL		CH 38 (5190 MHz)		
TEST CONDITION	FREQUENCY RANGE(MHz)	MEASUREMENT VALUE(nW)	LIMIT (nW)	RESULT
V _{normal}	30.0 to 1000.0	0.006861	4	PASS
	1000.0 to 26000.0	0.208989	20	PASS
TEST CHANNEL		CH 46 (5230 MHz)		
V _{normal}	30.0 to 1000.0	0.007122	4	PASS
	1000.0 to 26000.0	0.202212	20	PASS
TEST CHANNEL		CH 54 (5270 MHz)		
V _{normal}	30.0 to 1000.0	0.007667	4	PASS
	1000.0 to 26000.0	0.190231	20	PASS
TEST CHANNEL		CH 62 (5310 MHz)		
V _{normal}	30.0 to 1000.0	0.008009	4	PASS
	1000.0 to 26000.0	0.210752	20	PASS
TEST CHANNEL		CH 102 (5510 MHz)		
V _{normal}	30.0 to 1000.0	0.007238	4	PASS
	1000.0 to 26000.0	0.201043	20	PASS
TEST CHANNEL		CH 118 (5590 MHz)		
V _{normal}	30.0 to 1000.0	0.007401	4	PASS
	1000.0 to 26000.0	0.214630	20	PASS
TEST CHANNEL		CH 134 (5670 MHz)		
V _{normal}	30.0 to 1000.0	0.007773	4	PASS
	1000.0 to 26000.0	0.193671	20	PASS
TEST CHANNEL		CH 142 (5710 MHz)		
V _{normal}	30.0 to 1000.0	0.006856	4	PASS
	1000.0 to 26000.0	0.204776	20	PASS

80 MHz System Chain 0

TEST CHANNEL		CH 42 (5210 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE(nW)	LIMIT (nW)	RESULT
V _{normal}	30.0 to 1000.0	980.479	0.003664	2	PASS
	1000.0 to 26000.0	17803.125	0.129122	10	PASS
TEST CHANNEL		CH 58 (5290 MHz)			
V _{normal}	30.0 to 1000.0	930.281	0.003451	2	PASS
	1000.0 to 26000.0	5818.750	0.09594	10	PASS
TEST CHANNEL		CH 106 (5530 MHz)			
V _{normal}	30.0 to 1000.0	909.790	0.004093	2	PASS
	1000.0 to 26000.0	17800.000	0.109648	10	PASS
TEST CHANNEL		CH 122 (5610 MHz)			
V _{normal}	30.0 to 1000.0	746.102	0.003784	2	PASS
	1000.0 to 26000.0	17818.750	0.104472	10	PASS
TEST CHANNEL		CH 138 (5690 MHz)			
V _{normal}	30.0 to 1000.0	764.411	0.003565	2	PASS
	1000.0 to 26000.0	5765.625	0.12218	10	PASS

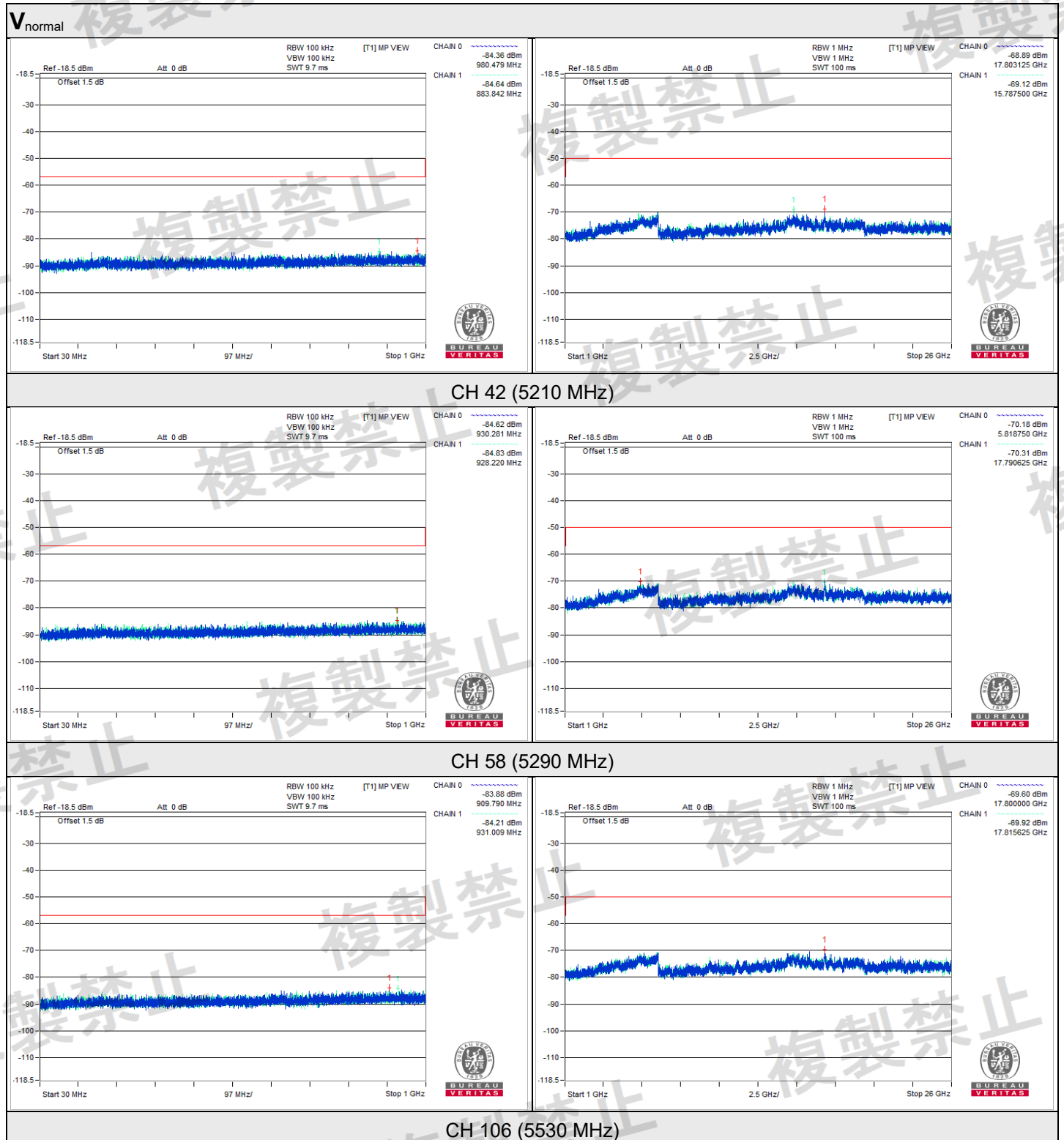
NOTE: 1. The spectrum plots are attached on the following pages.

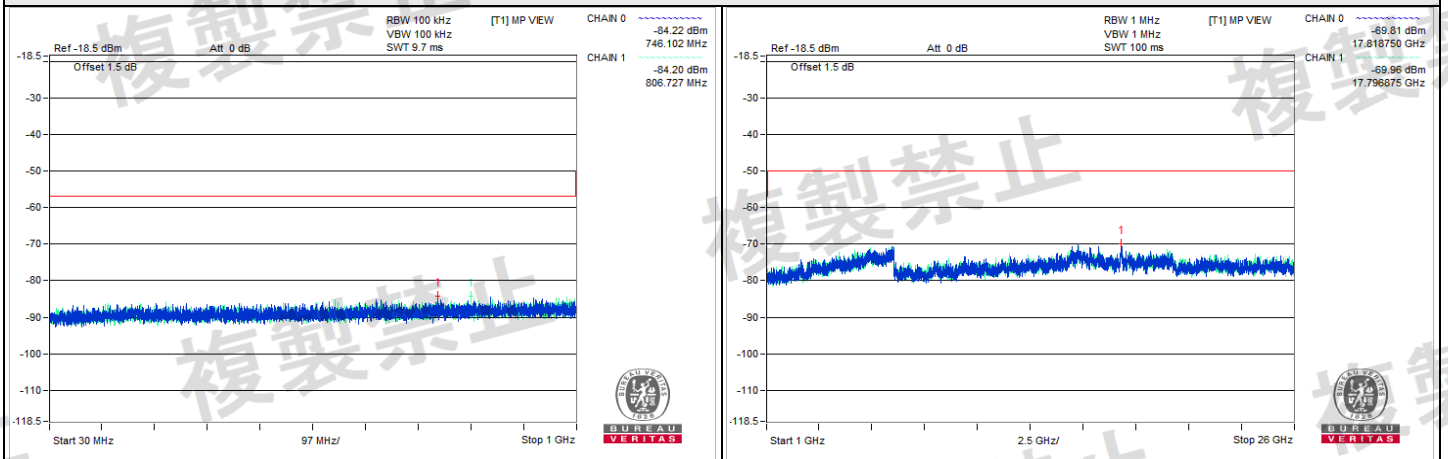
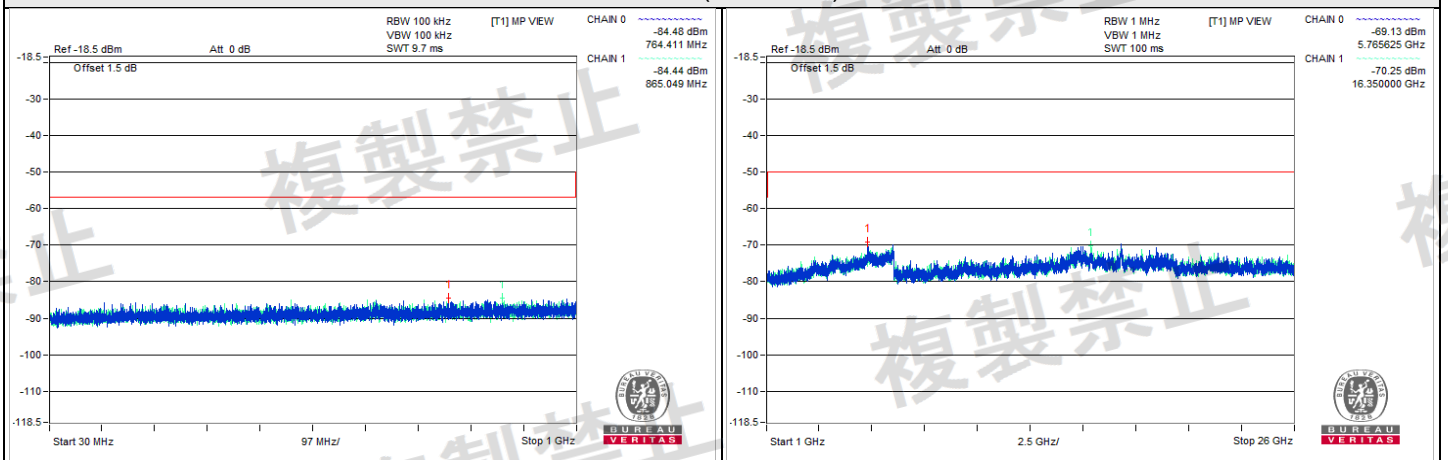
80 MHz System Chain 1

TEST CHANNEL		CH 42 (5210 MHz)			
TEST CONDITION	FREQUENCY RANGE(MHz)	FREQUENCY (MHz)	MEASUREMENT VALUE(nW)	LIMIT (nW)	RESULT
V _{normal}	30.0 to 1000.0	883.842	0.003436	2	PASS
	1000.0 to 26000.0	15787.500	0.122462	10	PASS
TEST CHANNEL		CH 58 (5290 MHz)			
V _{normal}	30.0 to 1000.0	928.220	0.003289	2	PASS
	1000.0 to 26000.0	17790.625	0.093111	10	PASS
TEST CHANNEL		CH 106 (5530 MHz)			
V _{normal}	30.0 to 1000.0	931.009	0.003793	2	PASS
	1000.0 to 26000.0	17815.625	0.101859	10	PASS
TEST CHANNEL		CH 122 (5610 MHz)			
V _{normal}	30.0 to 1000.0	806.727	0.003802	2	PASS
	1000.0 to 26000.0	17796.875	0.100925	10	PASS
TEST CHANNEL		CH 138 (5690 MHz)			
V _{normal}	30.0 to 1000.0	865.049	0.003597	2	PASS
	1000.0 to 26000.0	16350.000	0.094406	10	PASS

NOTE: 1. The spectrum plots are attached on the following pages.

80 MHz System Graph



Vnormal**CH 122 (5610 MHz)****CH 138 (5690 MHz)**

80 MHz System Sum of each Chain

TEST CHANNEL		CH 42 (5210 MHz)		
TEST CONDITION	FREQUENCY RANGE(MHz)	MEASUREMENT VALUE(nW)	LIMIT (nW)	RESULT
V _{normal}	30.0 to 1000.0	0.007100	4	PASS
	1000.0 to 26000.0	0.251584	20	PASS
TEST CHANNEL		CH 58 (5290 MHz)		
V _{normal}	30.0 to 1000.0	0.006740	4	PASS
	1000.0 to 26000.0	0.189051	20	PASS
TEST CHANNEL		CH 106 (5530 MHz)		
V _{normal}	30.0 to 1000.0	0.007886	4	PASS
	1000.0 to 26000.0	0.211507	20	PASS
TEST CHANNEL		CH 122 (5610 MHz)		
V _{normal}	30.0 to 1000.0	0.007586	4	PASS
	1000.0 to 26000.0	0.205397	20	PASS
TEST CHANNEL		CH 138 (5690 MHz)		
V _{normal}	30.0 to 1000.0	0.007162	4	PASS
	1000.0 to 26000.0	0.216586	20	PASS

7.5 Antenna Power

Environmental Conditions:	25°C, 76% RH	Tested By:	Waydi Tuan
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802.11a W52&W53

Voltage (Vac)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)			Radiated RF Output Power Density (mW/MHz)
			Chain 0	Chain 1	Total Power Density	
100	36	5180	1.734	1.660	3.394	9.434
	48	5240	1.718	1.775	3.493	9.71
	52	5260	1.703	1.668	3.371	9.37
	64	5320	1.742	1.787	3.529	9.81
Maximum Limit (mW/MHz):					10	-
Rated Power (mW/MHz):					3.5	-
Tolerance of Antenna Power (mW/MHz):					0.7 ~ 4.2	-
Maximum EIRP Limit (mW/MHz):					-	10

Notes:

1. Antenna gain is 4.44 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

802.11a W56

Voltage (Vac)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)			Radiated RF Output Power Density (mW/MHz)
			Chain 0	Chain 1	Total Power Density	
100	100	5500	4.604	4.336	8.94	27.248
	120	5600	4.000	4.765	8.765	26.715
	140	5700	4.346	5.083	9.429	28.739
	144	5720	4.316	5.048	9.364	28.54
Maximum Limit (mW/MHz):					10	-
Rated Power (mW/MHz):					9.5	-
Tolerance of Antenna Power (mW/MHz):					4.75 ~ 14.25	-
Maximum EIRP Limit (mW/MHz):					-	50

Notes:

1. Antenna gain is 4.84 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

802.11n (HT20) W52&W53

Voltage (Vac)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)			Radiated RF Output Power Density (mW/MHz)
			Chain 0	Chain 1	Total Power Density	
100	36	5180	1.633	1.442	3.075	8.548
	48	5240	1.679	1.507	3.186	8.856
	52	5260	1.626	1.497	3.123	8.681
	64	5320	1.604	1.531	3.135	8.714
Maximum Limit (mW/MHz):					10	-
Rated Power (mW/MHz):					3.5	-
Tolerance of Antenna Power (mW/MHz):					0.7 ~ 4.2	-
Maximum EIRP Limit (mW/MHz):					-	10

Notes:

1. Antenna gain is 4.44 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

802.11n (HT20) W56

Voltage (Vac)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)			Radiated RF Output Power Density (mW/MHz)
			Chain 0	Chain 1	Total Power Density	
100	100	5500	4.267	4.208	8.475	25.831
	120	5600	3.759	4.084	7.843	23.905
	140	5700	4.179	4.316	8.495	25.892
	144	5720	4.122	4.257	8.379	25.538
Maximum Limit (mW/MHz):					10	-
Rated Power (mW/MHz):					9.5	-
Tolerance of Antenna Power (mW/MHz):					4.75 ~ 14.25	-
Maximum EIRP Limit (mW/MHz):					-	50

Notes:

1. Antenna gain is 4.84 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

802.11n (HT40) W52&W53

Voltage (Vac)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)			Radiated RF Output Power Density (mW/MHz)
			Chain 0	Chain 1	Total Power Density	
100	38	5190	0.787	0.716	1.503	4.178
	46	5230	0.736	0.778	1.514	4.208
	54	5270	0.771	0.796	1.567	4.356
	62	5310	0.755	0.771	1.526	4.242
Maximum Limit (mW/MHz):					5	-
Rated Power (mW/MHz):					1.75	-
Tolerance of Antenna Power (mW/MHz):					0.35 ~ 2.1	-
Maximum EIRP Limit (mW/MHz):					-	5

Notes:

1. Antenna gain is 4.44 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

802.11n (HT40) W56

Voltage (Vac)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)			Radiated RF Output Power Density (mW/MHz)
			Chain 0	Chain 1	Total Power Density	
100	102	5510	2.383	2.193	4.576	13.947
	118	5590	2.203	2.427	4.63	14.112
	134	5670	2.208	2.427	4.635	14.127
	142	5710	2.153	2.366	4.519	13.773
Maximum Limit (mW/MHz):					5	-
Rated Power (mW/MHz):					4.75	-
Tolerance of Antenna Power (mW/MHz):					2.375 ~ 7.125	-
Maximum EIRP Limit (mW/MHz):					-	25

Notes:

1. Antenna gain is 4.84 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

802.11ac (VHT20) W52&W53

Voltage (Vac)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)			Radiated RF Output Power Density (mW/MHz)
			Chain 0	Chain 1	Total Power Density	
100	36	5180	1.742	1.456	3.198	8.89
	48	5240	1.783	1.517	3.3	9.173
	52	5260	1.611	1.452	3.063	8.514
	64	5320	1.622	1.593	3.215	8.937
Maximum Limit (mW/MHz):					10	-
Rated Power (mW/MHz):					3.5	-
Tolerance of Antenna Power (mW/MHz):					0.7 ~ 4.2	-
Maximum EIRP Limit (mW/MHz):					-	10

Notes:

1. Antenna gain is 4.44 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

802.11ac (VHT20) W56

Voltage (Vac)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)			Radiated RF Output Power Density (mW/MHz)
			Chain 0	Chain 1	Total Power Density	
100	100	5500	4.646	4.103	8.749	26.666
	120	5600	4.010	4.417	8.427	25.685
	140	5700	4.326	4.854	9.18	27.98
	144	5720	4.267	4.787	9.054	27.596
Maximum Limit (mW/MHz):					10	-
Rated Power (mW/MHz):					9.5	-
Tolerance of Antenna Power (mW/MHz):					4.75 ~ 14.25	-
Maximum EIRP Limit (mW/MHz):					-	50

Notes:

1. Antenna gain is 4.84 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

802.11ac (VHT40) W52&W53

Voltage (Vac)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)			Radiated RF Output Power Density (mW/MHz)
			Chain 0	Chain 1	Total Power Density	
100	38	5190	0.817	0.776	1.593	4.428
	46	5230	0.760	0.863	1.623	4.511
	54	5270	0.804	0.795	1.599	4.445
	62	5310	0.755	0.857	1.612	4.481
Maximum Limit (mW/MHz):					5	-
Rated Power (mW/MHz):					1.75	-
Tolerance of Antenna Power (mW/MHz):					0.35 ~ 2.1	-
Maximum EIRP Limit (mW/MHz):					-	5

Notes:

1. Antenna gain is 4.44 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

802.11ac (VHT40) W56

Voltage (Vac)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)			Radiated RF Output Power Density (mW/MHz)
			Chain 0	Chain 1	Total Power Density	
100	102	5510	2.595	2.345	4.94	15.057
	118	5590	2.224	2.438	4.662	14.209
	134	5670	2.270	2.649	4.919	14.993
	142	5710	2.214	2.583	4.797	14.621
Maximum Limit (mW/MHz):					5	-
Rated Power (mW/MHz):					4.75	-
Tolerance of Antenna Power (mW/MHz):					2.375 ~ 7.125	-
Maximum EIRP Limit (mW/MHz):					-	25

Notes:

1. Antenna gain is 4.84 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

802.11ac (VHT80) W52&W53

Voltage (Vac)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)			Radiated RF Output Power Density (mW/MHz)
			Chain 0	Chain 1	Total Power Density	
100	42	5210	0.397	0.379	0.776	2.157
	58	5290	0.373	0.403	0.776	2.157
Maximum Limit (mW/MHz):					2.5	-
Rated Power (mW/MHz):					0.875	-
Tolerance of Antenna Power (mW/MHz):					0.175 ~ 1.05	-
Maximum EIRP Limit (mW/MHz):					-	2.5

Notes:

1. Antenna gain is 4.44 dBi.
2. The radiated RF output power density is a “calculated” value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

802.11ac (VHT80) W56

Voltage (Vac)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)			Radiated RF Output Power Density (mW/MHz)
			Chain 0	Chain 1	Total Power Density	
100	106	5530	1.156	1.082	2.238	6.821
	122	5610	1.099	1.183	2.282	6.955
	138	5690	1.079	1.231	2.31	7.041
Maximum Limit (mW/MHz):					2.5	-
Rated Power (mW/MHz):					2.375	-
Tolerance of Antenna Power (mW/MHz):					1.1875 ~ 3.5625	-
Maximum EIRP Limit (mW/MHz):					-	12.5

Notes:

1. Antenna gain is 4.84 dBi.
2. The radiated RF output power density is a “calculated” value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

802.11ax (HE20) W52&W53

Voltage (Vac)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)			Radiated RF Output Power Density (mW/MHz)
			Chain 0	Chain 1	Total Power Density	
100	36	5180	1.622	1.452	3.074	8.545
	48	5240	1.637	1.429	3.066	8.523
	52	5260	1.675	1.410	3.085	8.575
	64	5320	1.618	1.556	3.174	8.823
Maximum Limit (mW/MHz):					10	-
Rated Power (mW/MHz):					3.5	-
Tolerance of Antenna Power (mW/MHz):					0.7 ~ 4.2	-
Maximum EIRP Limit (mW/MHz):					-	10

Notes:

1. Antenna gain is 4.44 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

802.11ax (HE20) W56

Voltage (Vac)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)			Radiated RF Output Power Density (mW/MHz)
			Chain 0	Chain 1	Total Power Density	
100	100	5500	4.356	4.199	8.555	26.075
	120	5600	4.065	4.228	8.293	25.276
	140	5700	4.028	4.488	8.516	25.956
	144	5720	3.991	4.447	8.438	25.718
Maximum Limit (mW/MHz):					10	-
Rated Power (mW/MHz):					9.5	-
Tolerance of Antenna Power (mW/MHz):					4.75 ~ 14.25	-
Maximum EIRP Limit (mW/MHz):					-	50

Notes:

1. Antenna gain is 4.84 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

802.11ax (HE40) W52&W53

Voltage (Vac)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)			Radiated RF Output Power Density (mW/MHz)
			Chain 0	Chain 1	Total Power Density	
100	38	5190	0.855	0.745	1.6	4.448
	46	5230	0.776	0.798	1.574	4.375
	54	5270	0.771	0.822	1.593	4.428
	62	5310	0.809	0.840	1.649	4.584
Maximum Limit (mW/MHz):					5	-
Rated Power (mW/MHz):					1.75	-
Tolerance of Antenna Power (mW/MHz):					0.35 ~ 2.1	-
Maximum EIRP Limit (mW/MHz):					-	5

Notes:

1. Antenna gain is 4.44 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

802.11ax (HE40) W56

Voltage (Vac)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)			Radiated RF Output Power Density (mW/MHz)
			Chain 0	Chain 1	Total Power Density	
100	102	5510	2.547	2.281	4.828	14.715
	118	5590	2.329	2.461	4.79	14.599
	134	5670	2.163	2.559	4.722	14.392
	142	5710	2.148	2.542	4.69	14.295
Maximum Limit (mW/MHz):					5	-
Rated Power (mW/MHz):					4.75	-
Tolerance of Antenna Power (mW/MHz):					2.375 ~ 7.125	-
Maximum EIRP Limit (mW/MHz):					-	25

Notes:

1. Antenna gain is 4.84 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

802.11ax (HE80) W52&W53

Voltage (Vac)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)			Radiated RF Output Power Density (mW/MHz)
			Chain 0	Chain 1	Total Power Density	
100	42	5210	0.412	0.391	0.803	2.232
	58	5290	0.386	0.395	0.781	2.171
Maximum Limit (mW/MHz):					2.5	-
Rated Power (mW/MHz):					0.875	-
Tolerance of Antenna Power (mW/MHz):					0.175 ~ 1.05	-
Maximum EIRP Limit (mW/MHz):					-	2.5

Notes:

1. Antenna gain is 4.44 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

802.11ax (HE80) W56

Voltage (Vac)	Channel Number	Frequency (MHz)	Conducted RF Output Power Density (mW/MHz)			Radiated RF Output Power Density (mW/MHz)
			Chain 0	Chain 1	Total Power Density	
100	106	5530	1.077	1.079	2.156	6.571
	122	5610	1.024	1.115	2.139	6.519
	138	5690	1.014	1.069	2.083	6.349
Maximum Limit (mW/MHz):					2.5	-
Rated Power (mW/MHz):					2.375	-
Tolerance of Antenna Power (mW/MHz):					1.1875 ~ 3.5625	-
Maximum EIRP Limit (mW/MHz):					-	12.5

Notes:

1. Antenna gain is 4.84 dBi.
2. The radiated RF output power density is a "calculated" value derived from the conducted value.
3. Formula: Radiated RF output power density = Conducted RF output power density + Antenna gain

7.6 Adjacent Channel Emitted Power

Environmental Conditions:	25°C, 76% RH	Tested By:	Waydi Tuan
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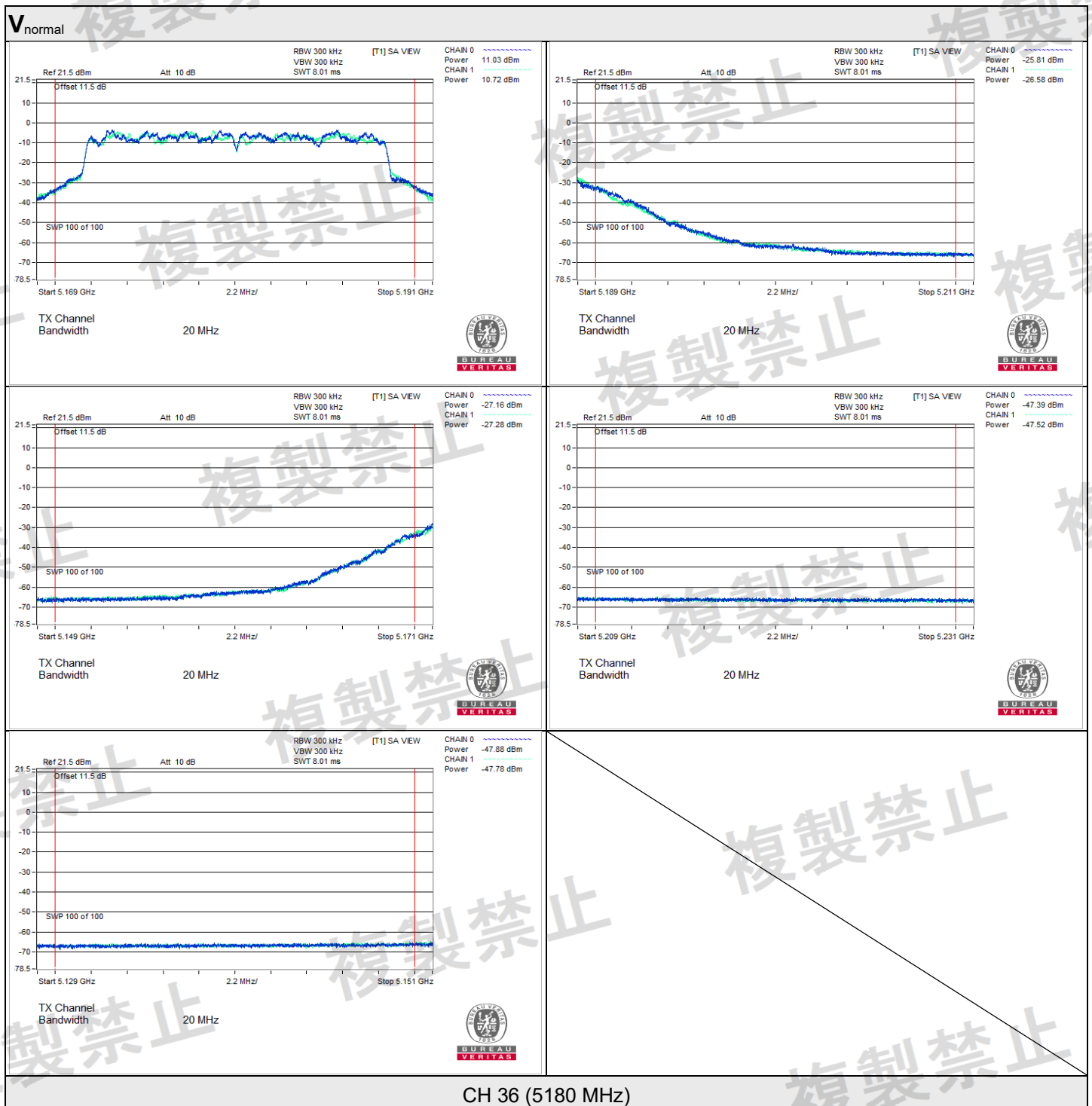
802.11a Chain 0: W52&53

Test Condition		Test Channel	CH 36 (5180 MHz)	CH 48 (5240 MHz)	Min. Limit (dBc)	Result
V _{normal}	Mean Power of Carrier (dBm)		11.03	10.72	-	-
	Mean Power +20MHz Distance of Carrier (dBc)		36.84	37.24	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)		38.19	38.52	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)		58.42	58.35	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)		58.91	59.47	40	PASS
Test Condition		Test Channel	CH 52 (5260 MHz)	CH 64 (5320 MHz)	Min. Limit (dBc)	Result
V _{normal}	Mean Power of Carrier (dBm)		10.51	10.55	-	-
	Mean Power +20MHz Distance of Carrier (dBc)		36.94	37.02	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)		38.11	37.94	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)		59.09	59.11	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)		59.22	58.24	40	PASS

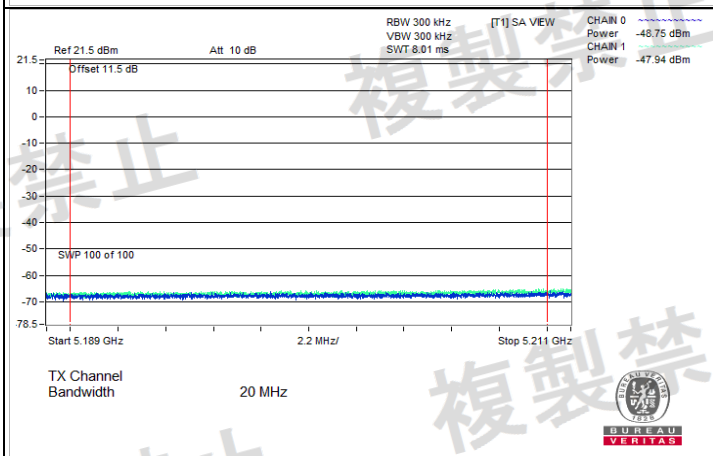
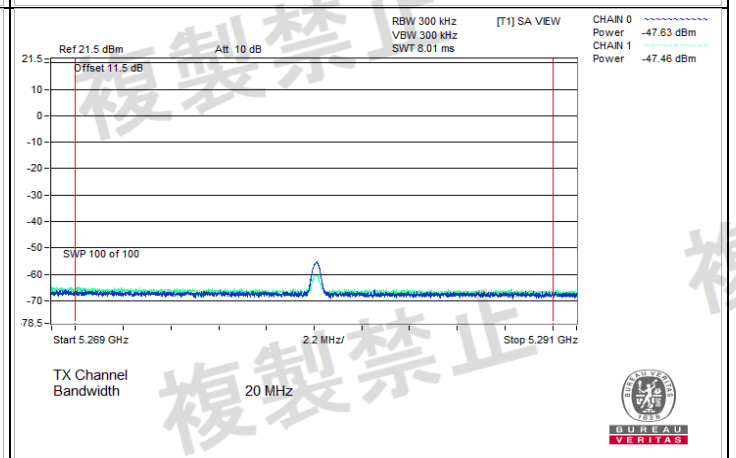
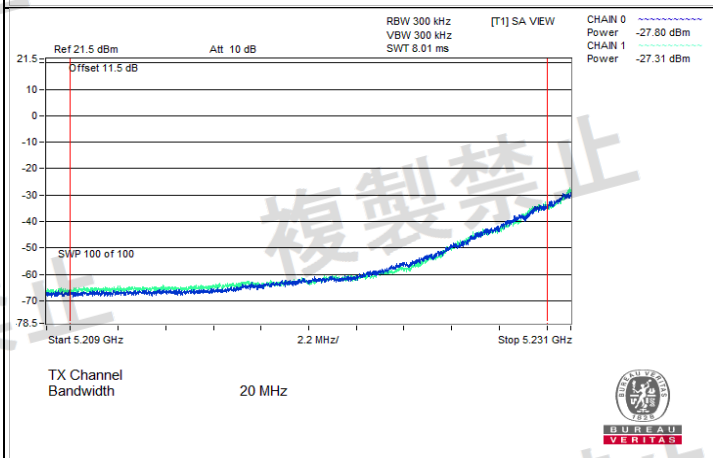
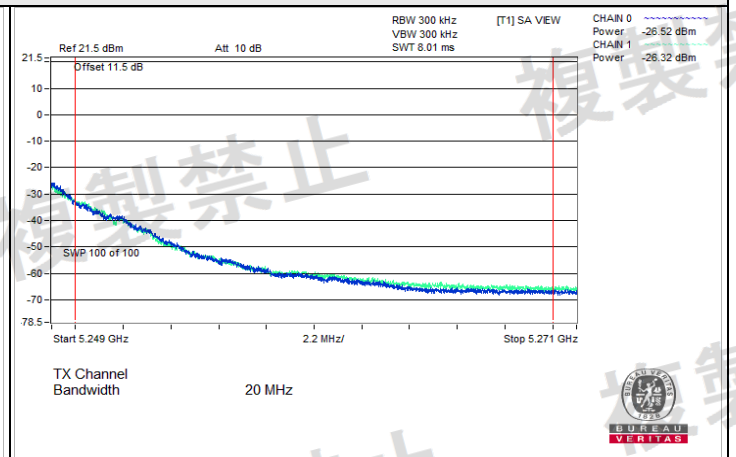
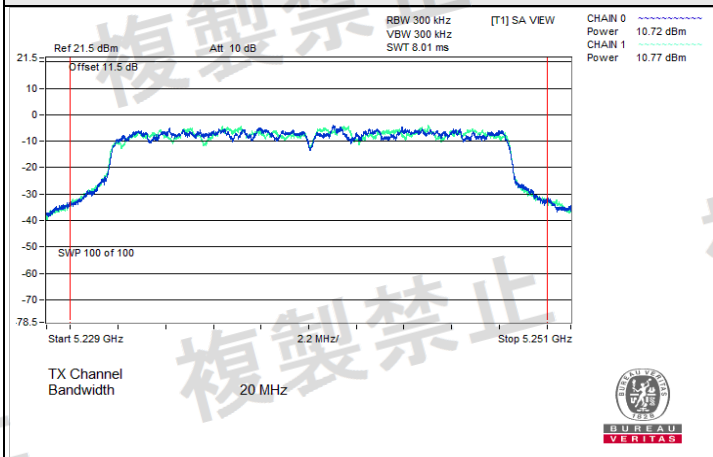
802.11a Chain 1: W52&53

Test Condition		Test Channel	CH 36 (5180 MHz)	CH 48 (5240 MHz)	Min. Limit (dBc)	Result
V _{normal}	Mean Power of Carrier (dBm)		10.72	10.77	-	-
	Mean Power +20MHz Distance of Carrier (dBc)		37.30	37.09	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)		38.00	38.08	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)		58.24	58.23	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)		58.50	58.71	40	PASS
Test Condition		Test Channel	CH 52 (5260 MHz)	CH 64 (5320 MHz)	Min. Limit (dBc)	Result
V _{normal}	Mean Power of Carrier (dBm)		10.73	11.07	-	-
	Mean Power +20MHz Distance of Carrier (dBc)		37.61	37.73	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)		37.98	38.44	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)		58.37	58.52	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)		58.61	58.49	40	PASS

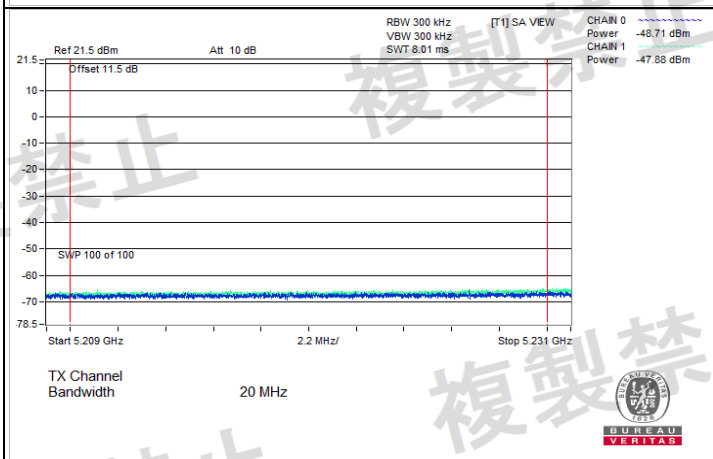
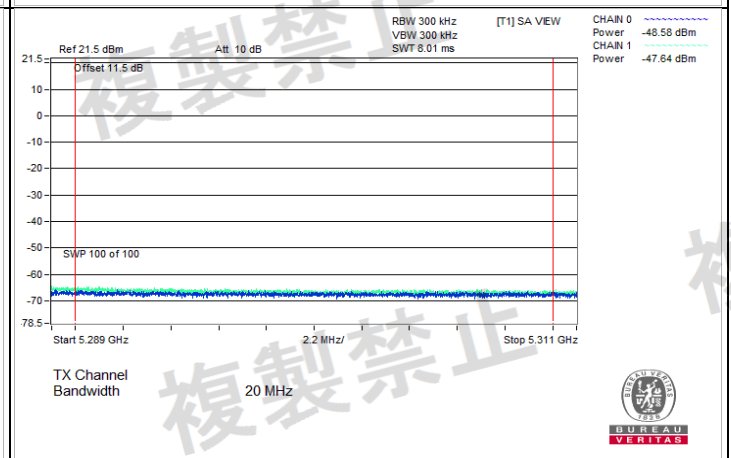
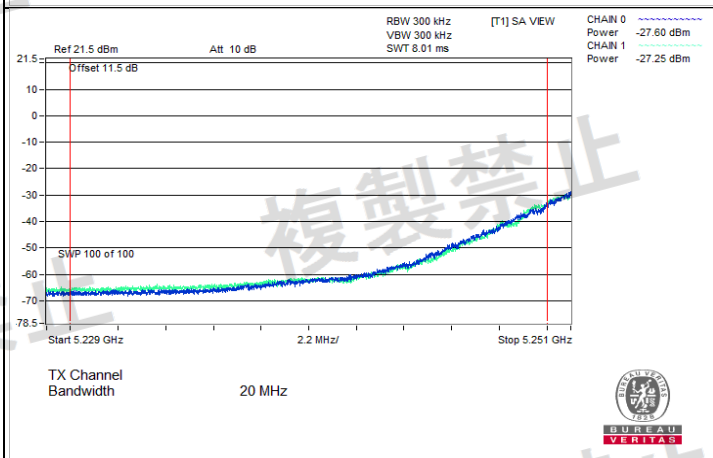
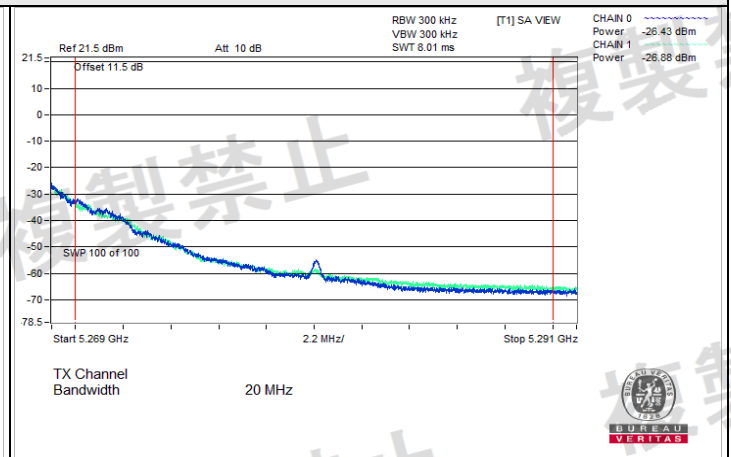
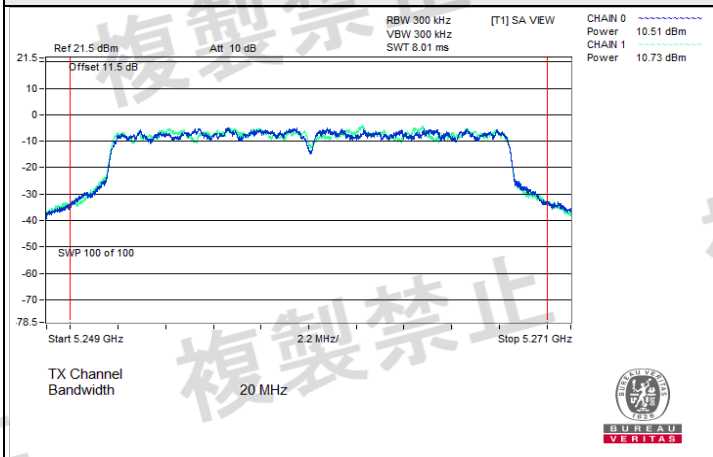
802.11a Graph: W52&53



V normal

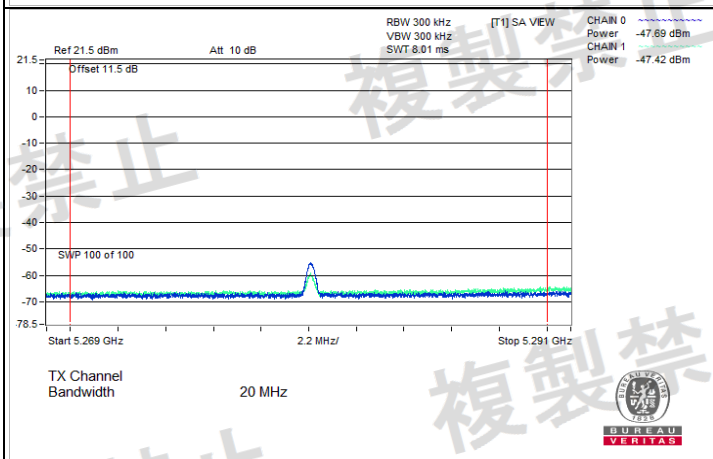
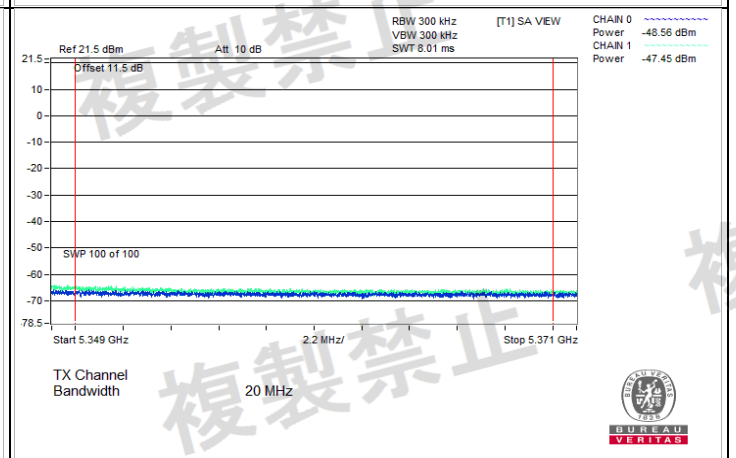
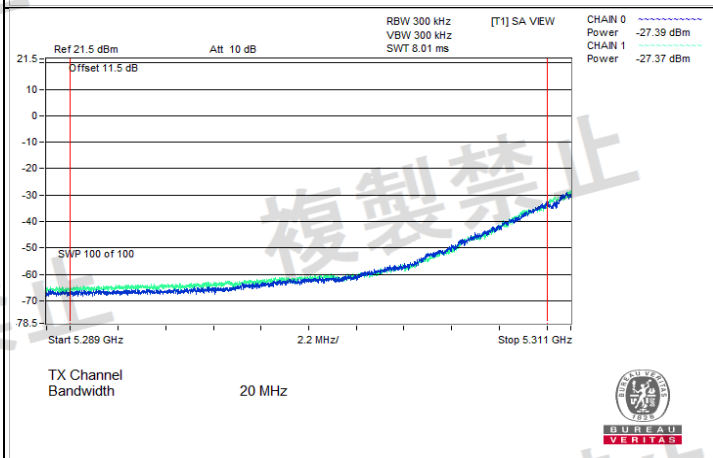
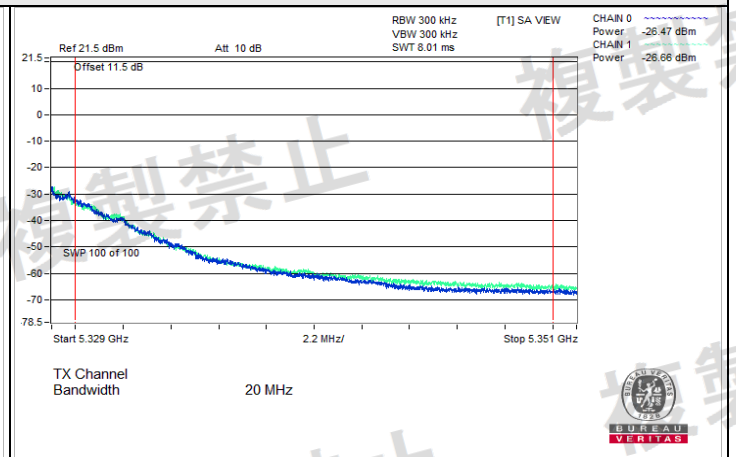
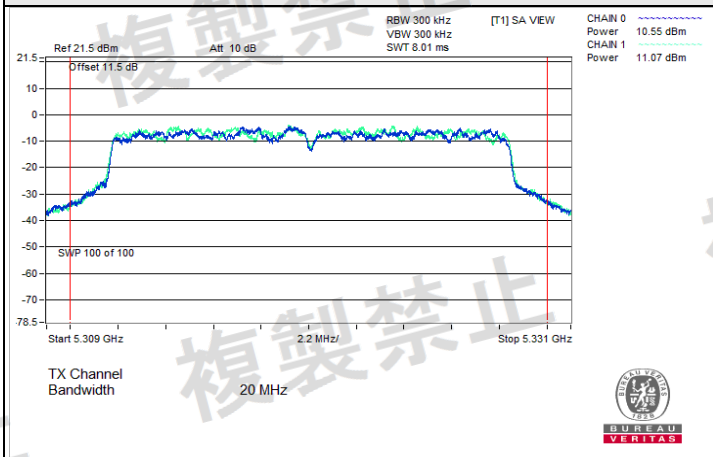


CH 48 (5240 MHz)

Vnormal

CH 52 (5260 MHz)

Vnormal

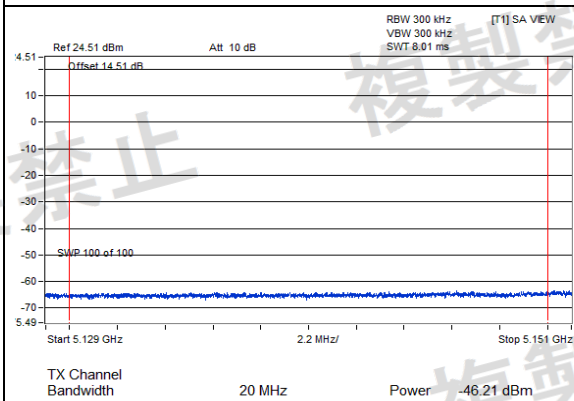
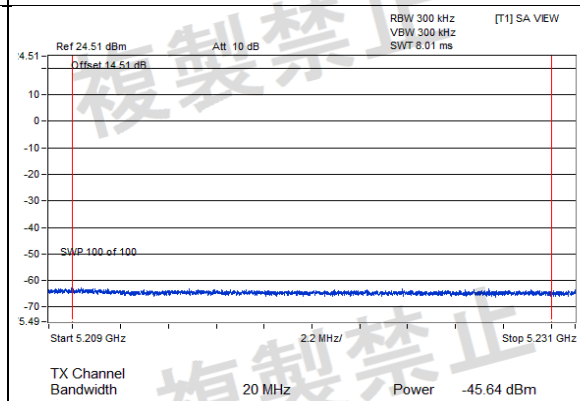
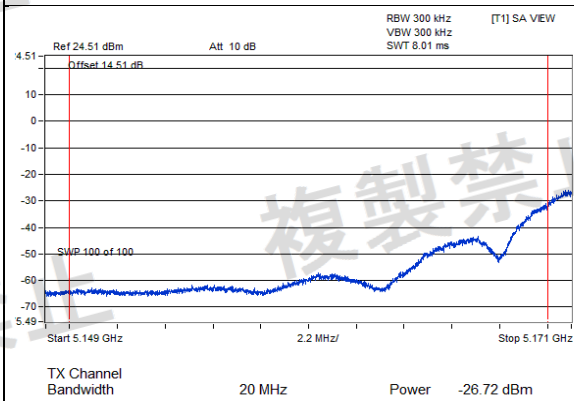
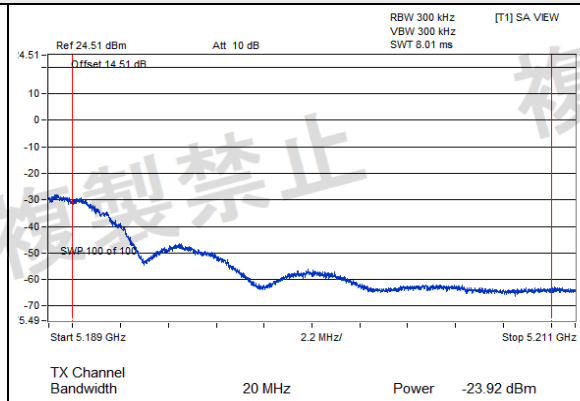
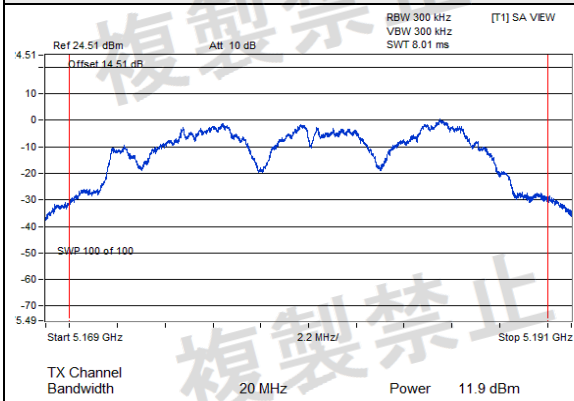


CH 64 (5320 MHz)

802.11a Use combiner: W52&53

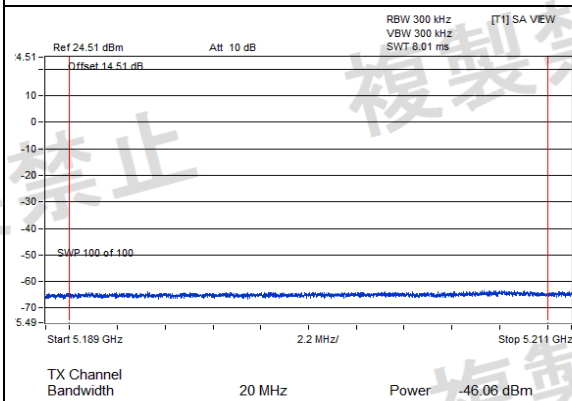
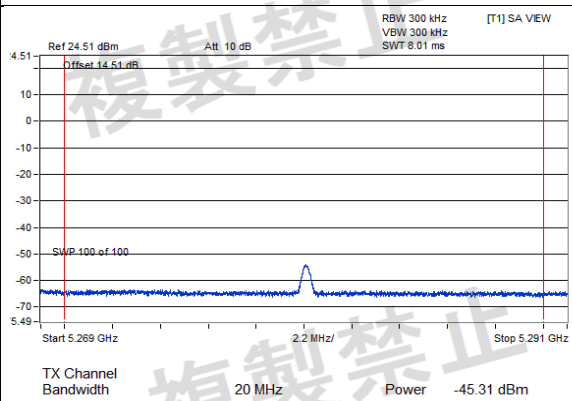
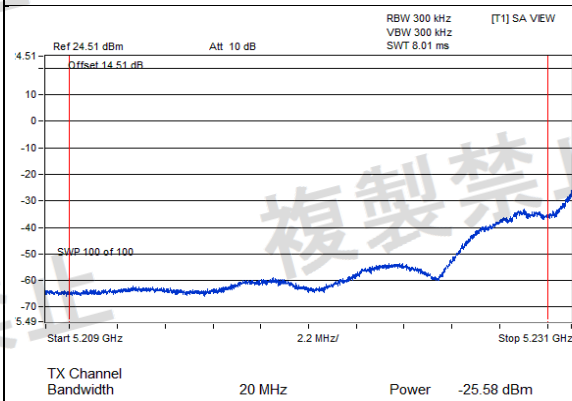
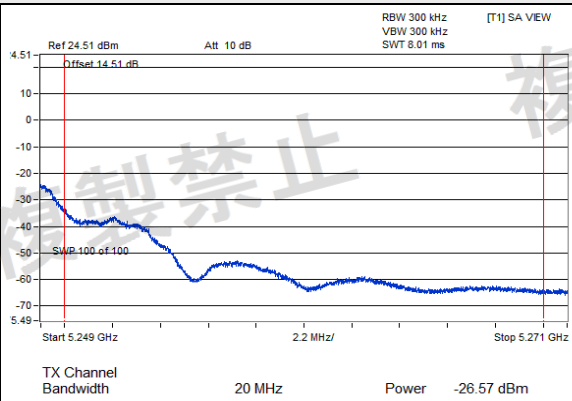
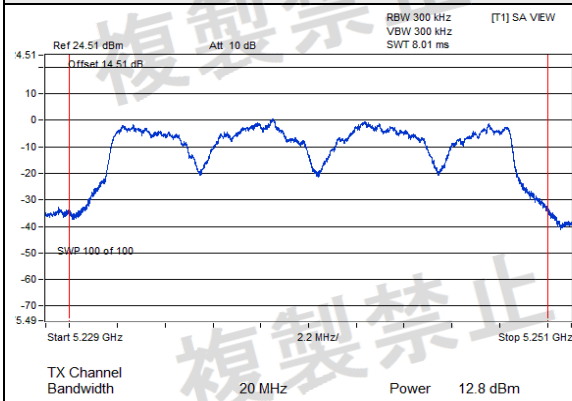
Test Condition \ Test Channel		CH 36 (5180 MHz)	CH 48 (5240 MHz)	Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)	11.90	12.80	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	35.82	39.37	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	38.62	38.38	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	57.54	58.11	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	58.11	58.86	40	PASS
Test Condition \ Test Channel		CH 52 (5260 MHz)	CH 64 (5320 MHz)	Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)	12.84	11.47	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	39.80	35.72	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	38.53	38.25	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	58.86	57.57	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	58.77	56.77	40	PASS

Vnormal



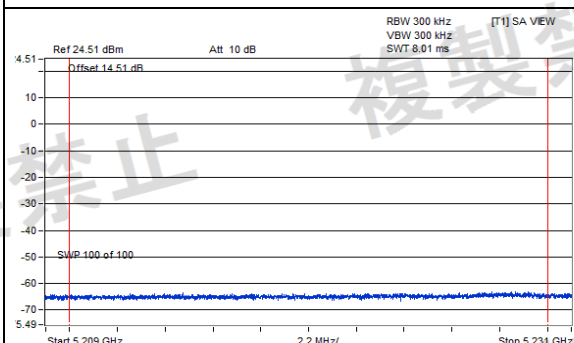
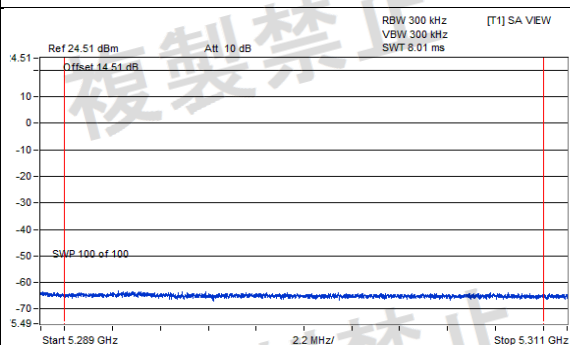
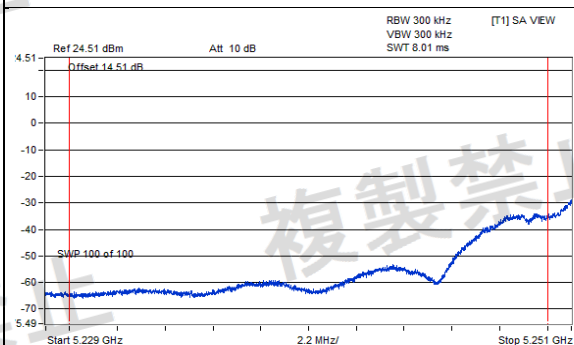
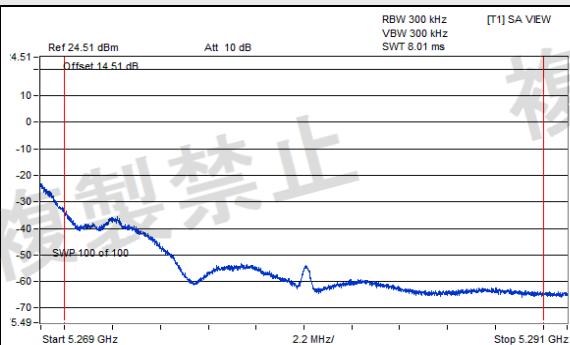
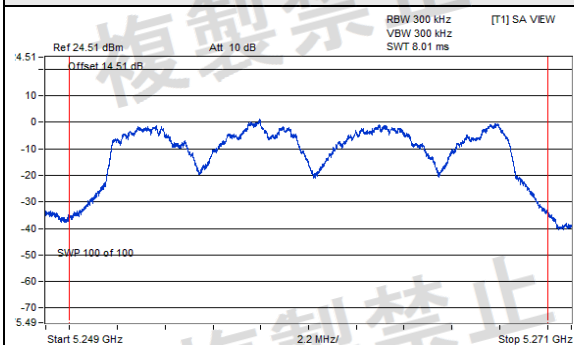
CH 36 (5180 MHz)

Vnormal

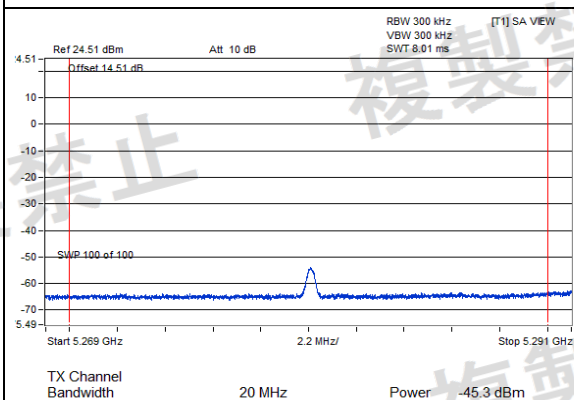
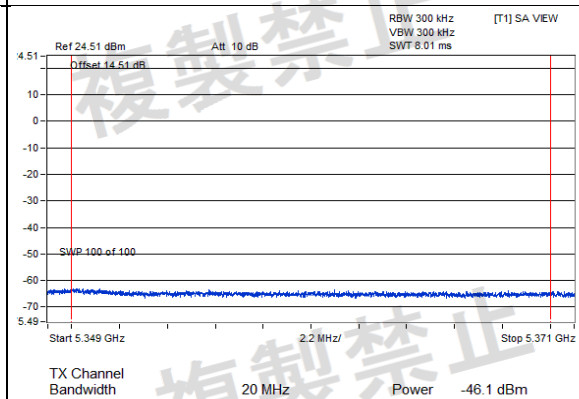
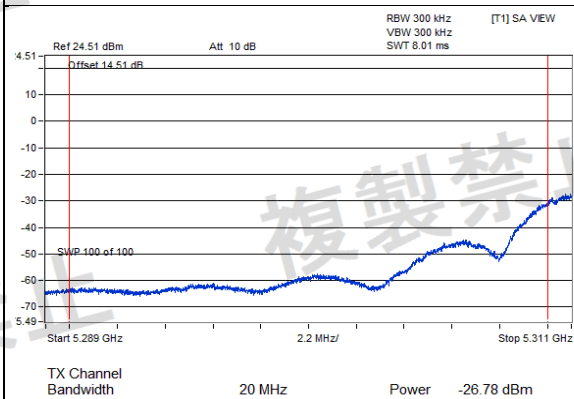
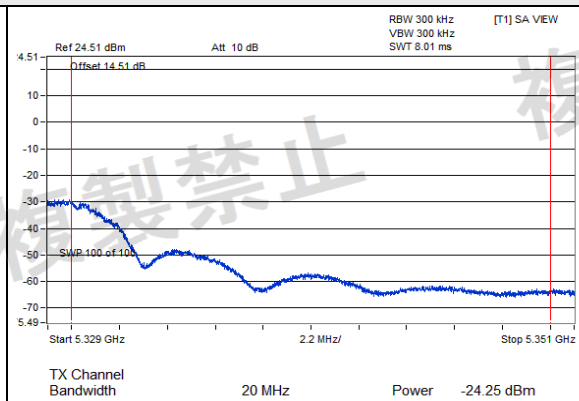
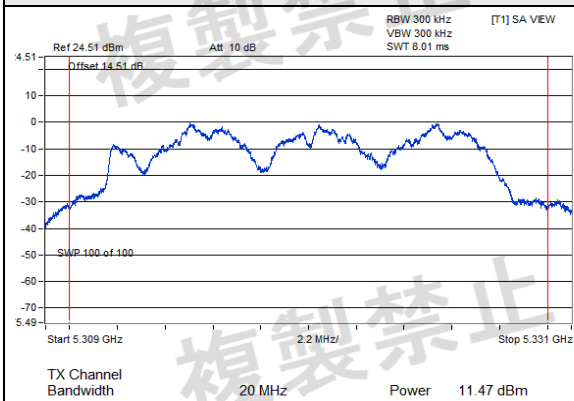


CH 48 (5240 MHz)

Vnormal



CH 52 (5260 MHz)

Vnormal

CH 64 (5320 MHz)

802.11a Sum of each Chain: W52&53

TEST CHANNEL		CH 36 (5180 MHz)		
TEST CONDITION	FREQUENCY RANGE(MHz)	MEASUREMENT VALUE	MIN. LIMIT(dBc)	RESULT
V _{normal}	Mean Power of Carrier (dBm)	13.89	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	40.09	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	41.11	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	61.34	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	61.72	40	PASS
TEST CHANNEL		CH 48 (5240 MHz)		
V _{normal}	Mean Power of Carrier (dBm)	13.76	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	40.18	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	41.32	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	61.30	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	62.12	40	PASS
TEST CHANNEL		CH 52 (5260 MHz)		
V _{normal}	Mean Power of Carrier (dBm)	13.63	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	40.30	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	41.06	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	61.76	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	61.94	40	PASS
TEST CHANNEL		CH 64 (5320 MHz)		
V _{normal}	Mean Power of Carrier (dBm)	13.83	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	40.40	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	41.21	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	61.84	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	61.38	40	PASS

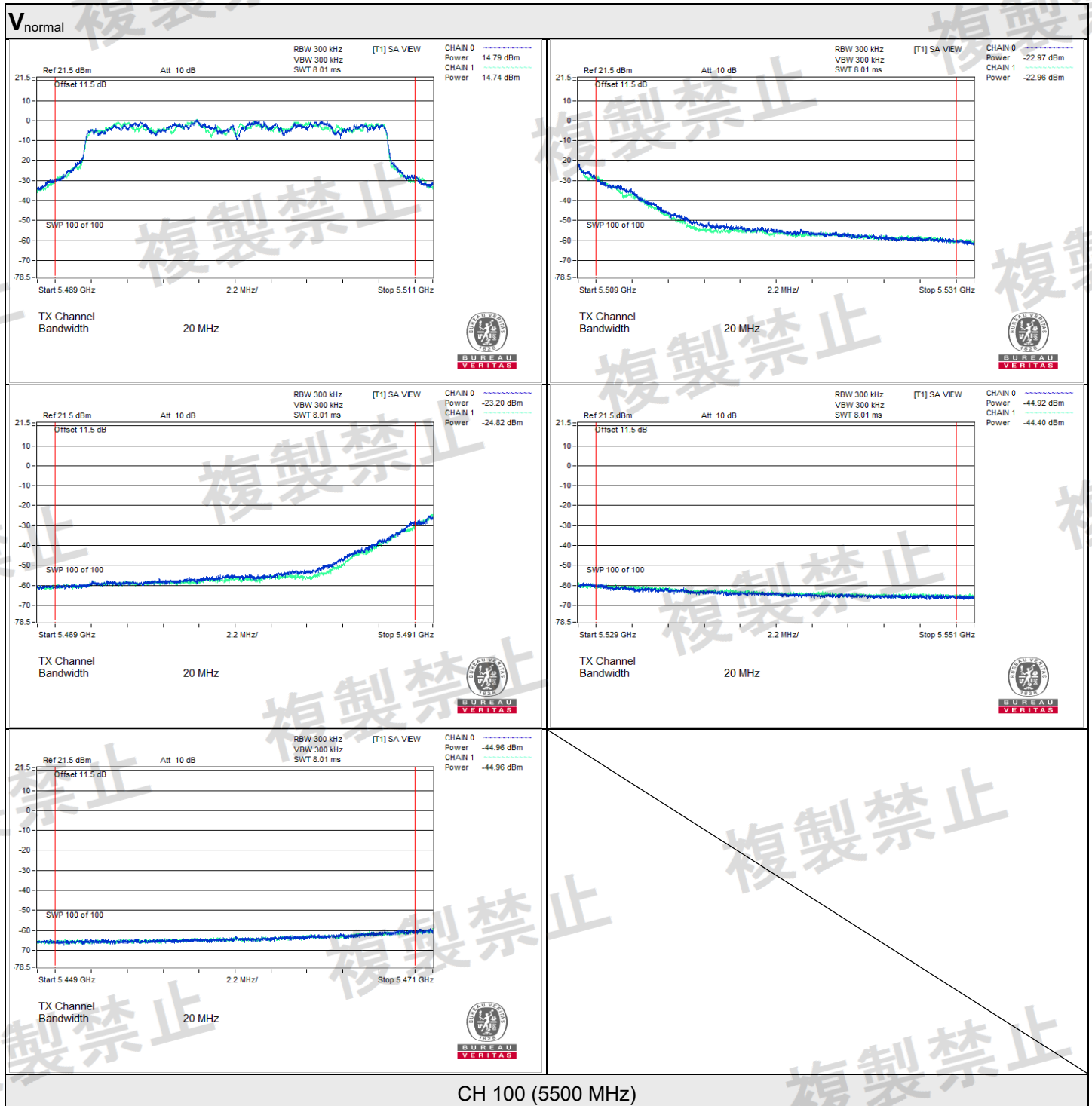
802.11a Chain 0: W56

Test Condition \ Test Channel		CH 100 (5500 MHz)	CH 120 (5600 MHz)	Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)	14.79	14.29	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	37.76	37.34	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	37.99	38.65	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	59.71	59.13	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	59.75	59.23	40	PASS
Test Condition \ Test Channel		CH 140 (5700 MHz)	CH 144 (5720 MHz)	Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)	12.58	14.58	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	36.85	37.96	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	37.41	38.45	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	57.27	58.82	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	57.48	59.32	40	PASS

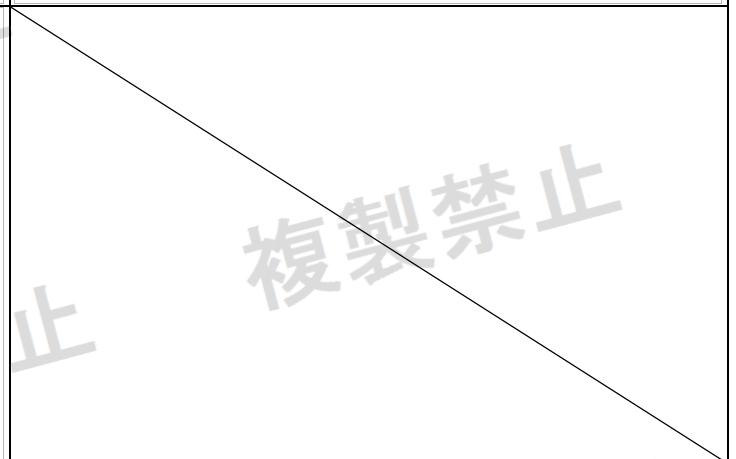
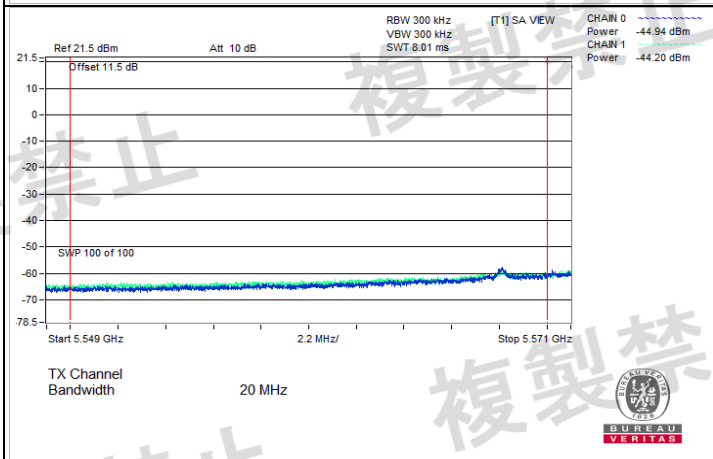
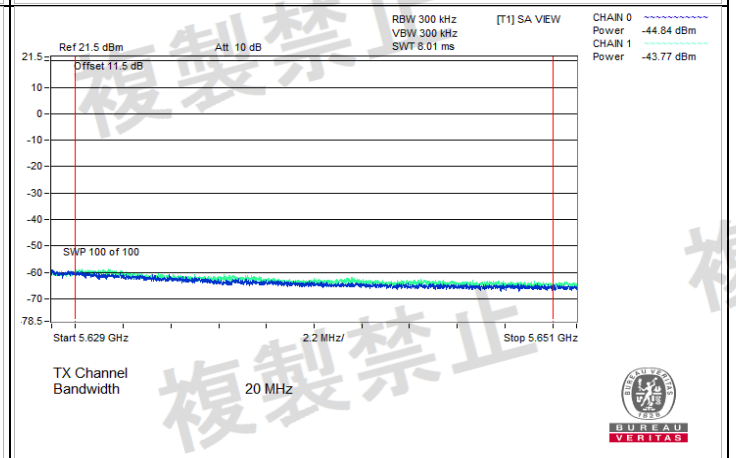
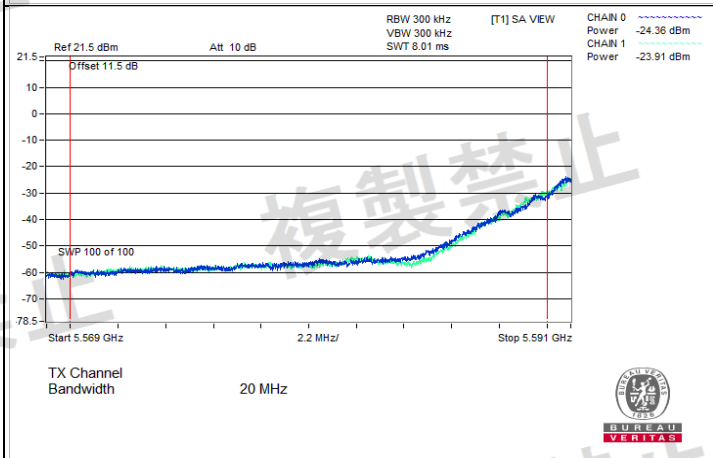
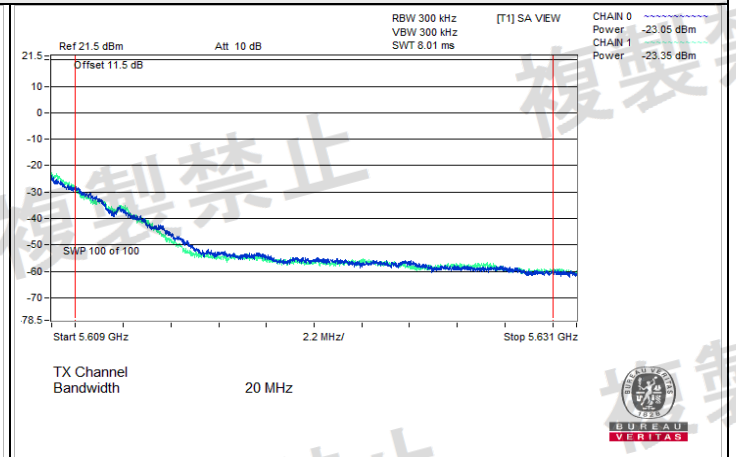
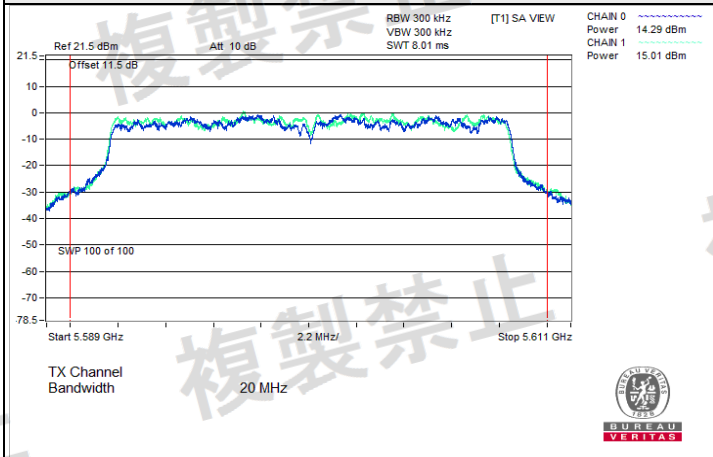
802.11a Chain 1: W56

Test Condition \ Test Channel		CH 100 (5500 MHz)	CH 120 (5600 MHz)	Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)	14.74	15.01	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	37.70	38.36	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	39.56	38.92	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	59.14	58.78	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	59.70	59.21	40	PASS
Test Condition \ Test Channel		CH 140 (5700 MHz)	CH 144 (5720 MHz)	Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)	14.00	15.21	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	37.36	37.88	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	38.32	38.76	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	58.62	58.94	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	58.84	59.17	40	PASS

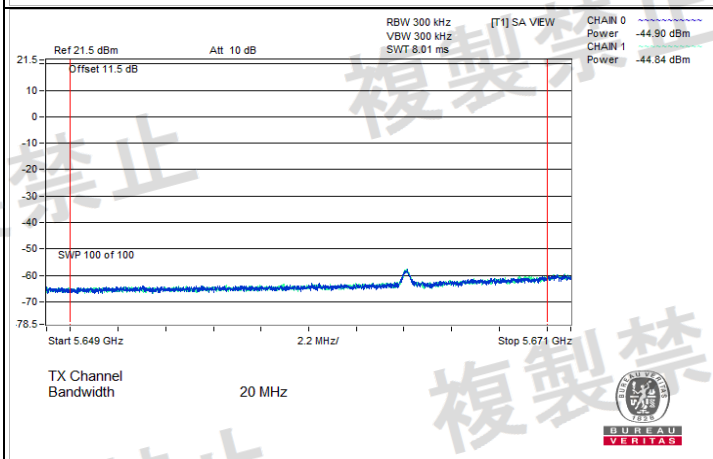
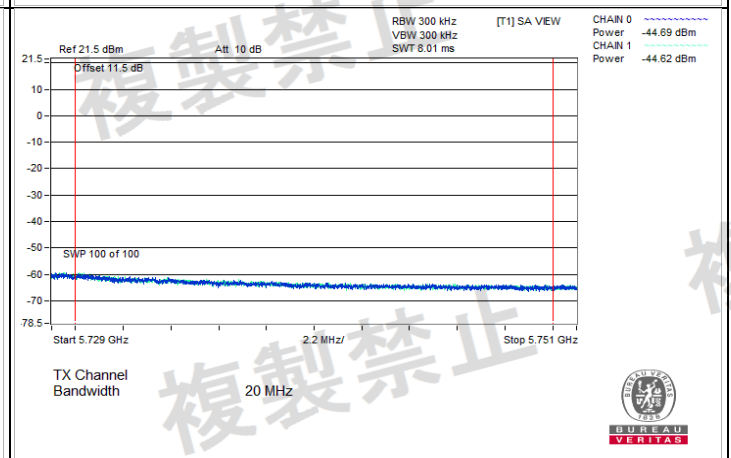
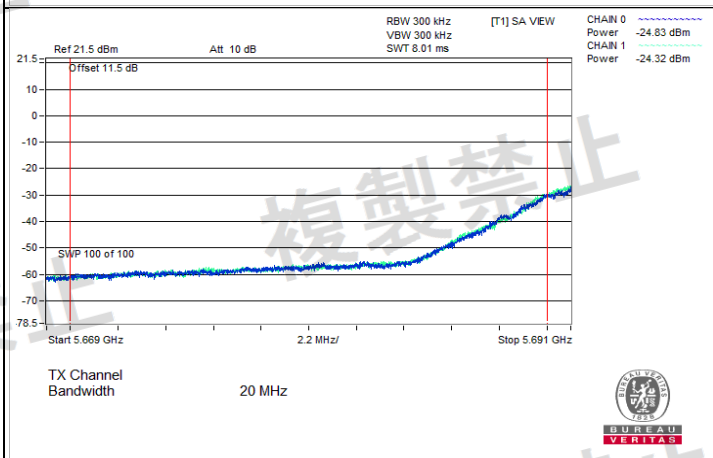
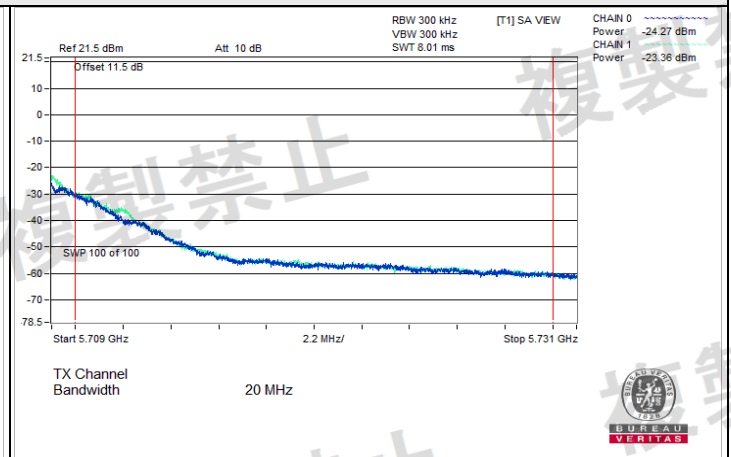
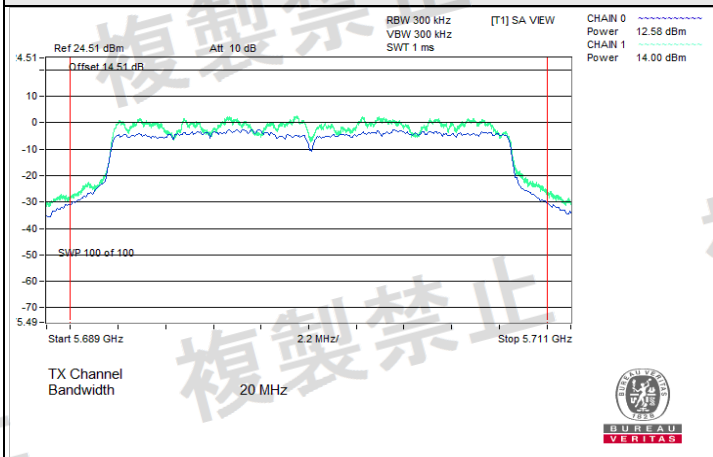
802.11a Graph: W56



Vnormal

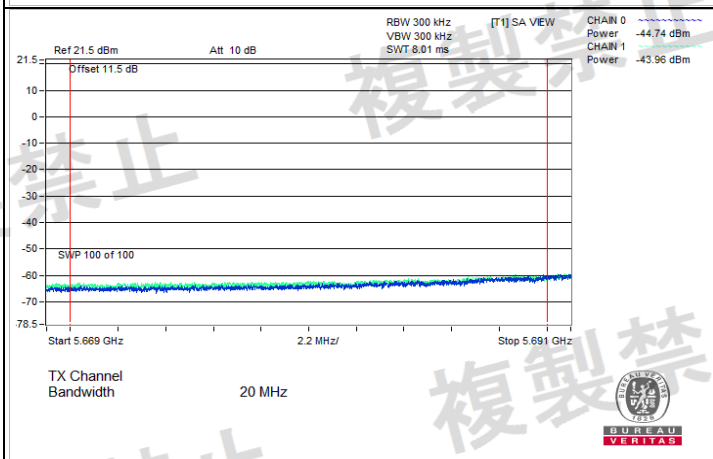
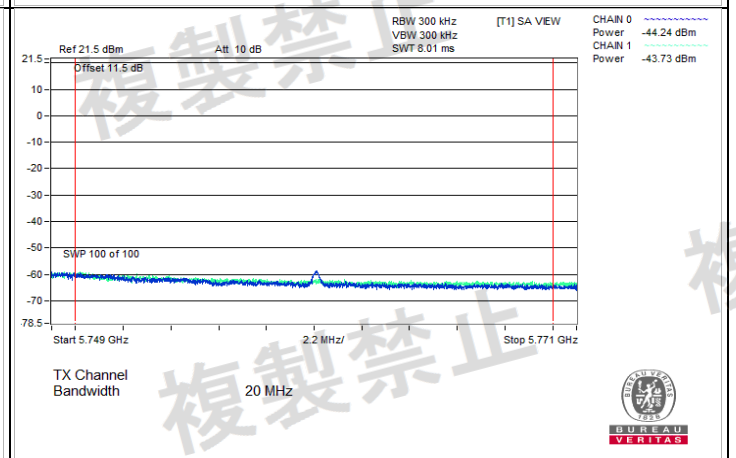
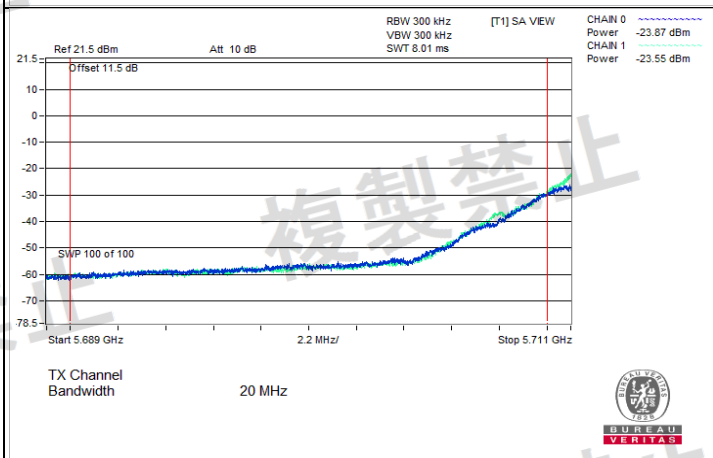
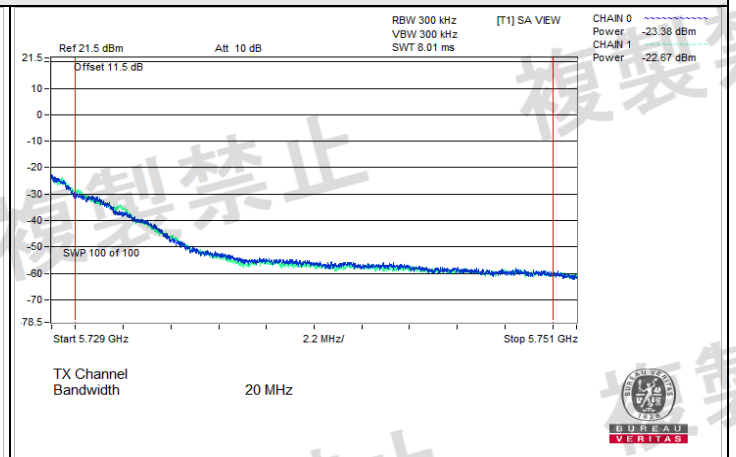
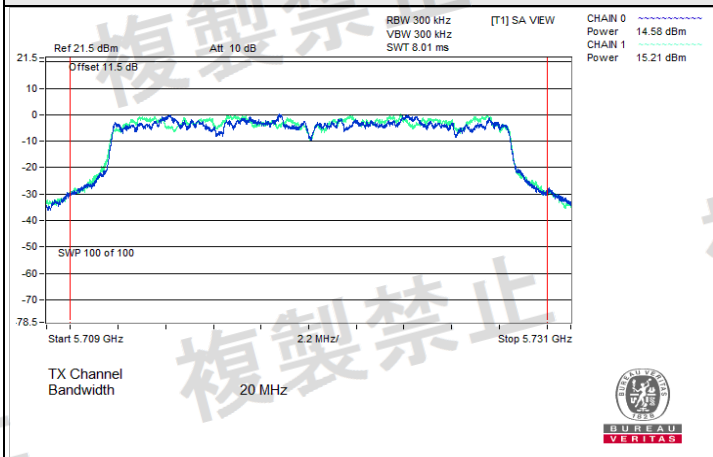


CH 120 (5600 MHz)

Vnormal

CH 140 (5700 MHz)

Vnormal

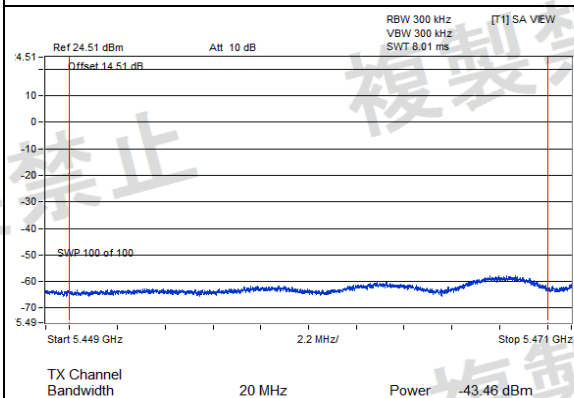
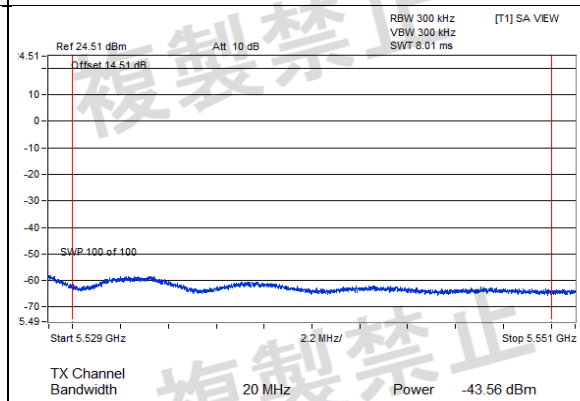
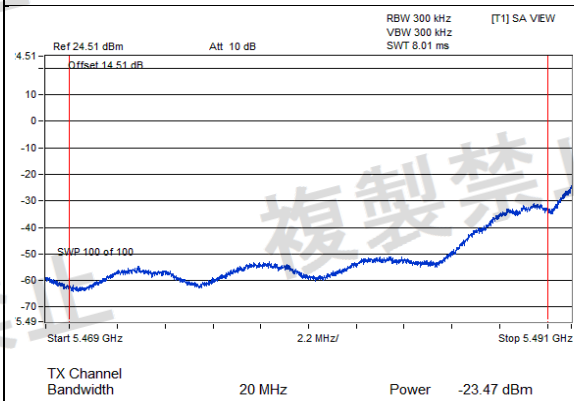
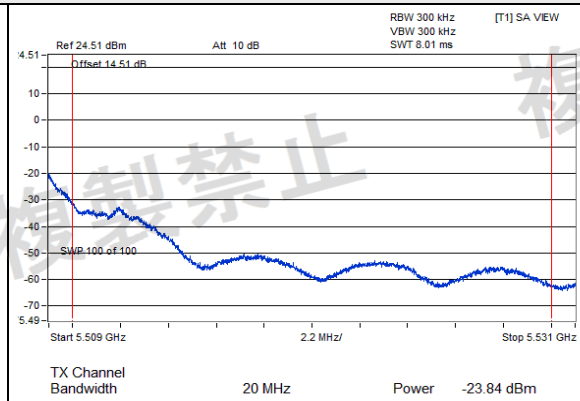
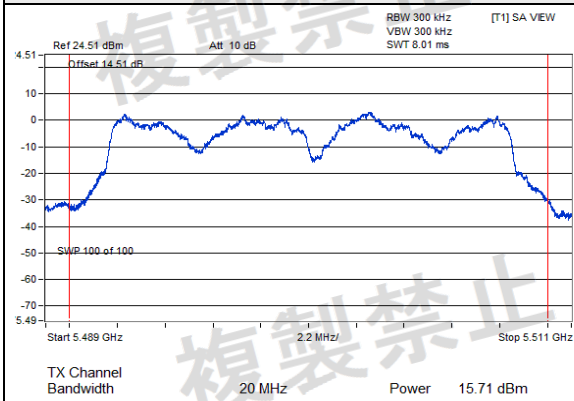


CH 144 (5720 MHz)

802.11a Use combiner: W56

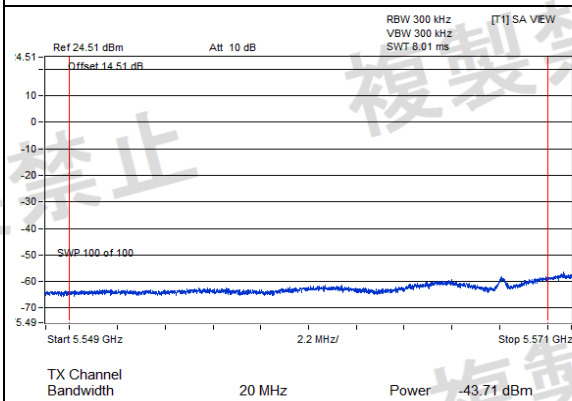
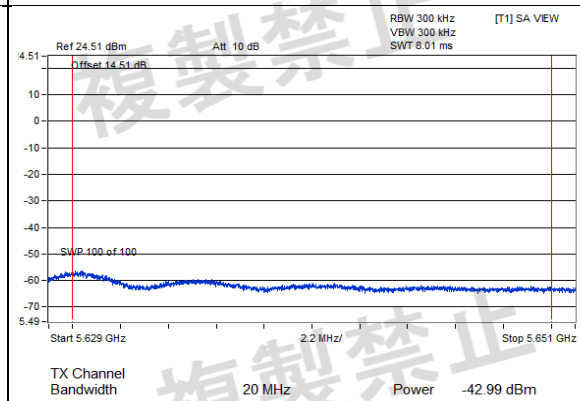
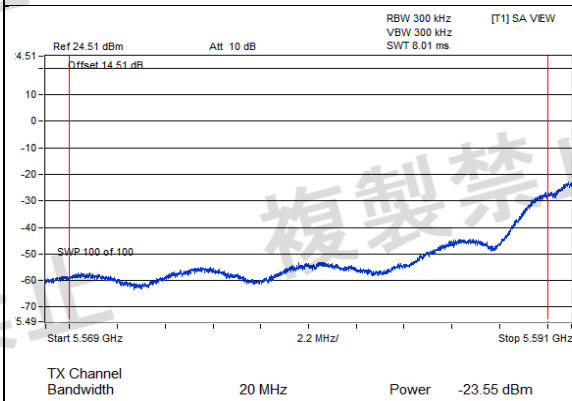
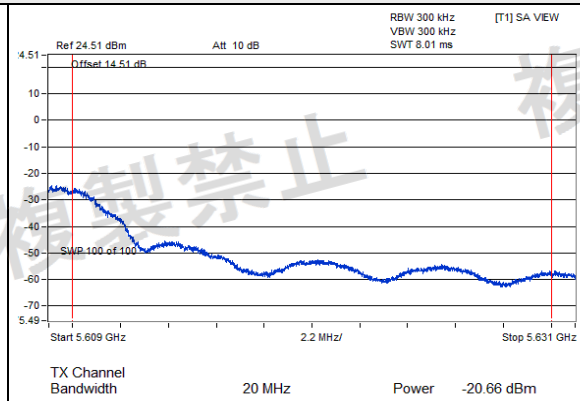
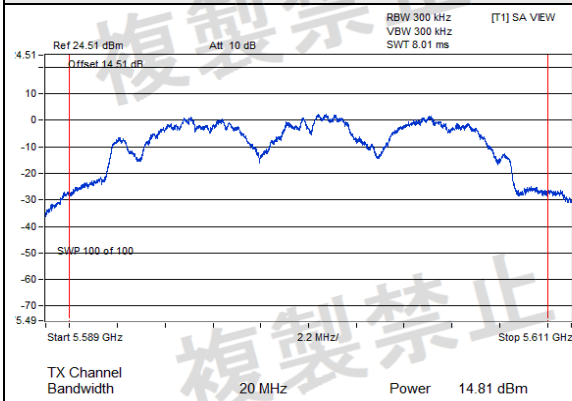
Test Channel		CH 100 (5500 MHz)	CH 120 (5600 MHz)	Min. Limit (dBc)	Result
Test Condition					
V _{normal}	Mean Power of Carrier (dBm)	15.71	14.81	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	39.55	35.47	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	39.18	38.36	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	59.27	57.80	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	59.17	58.52	40	PASS
Test Channel		CH 140 (5700 MHz)	CH 144 (5720 MHz)	Min. Limit (dBc)	Result
Test Condition					
V _{normal}	Mean Power of Carrier (dBm)	13.34	17.92	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	37.40	40.93	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	37.81	41.62	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	57.29	61.89	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	57.32	62.26	40	PASS

Vnormal



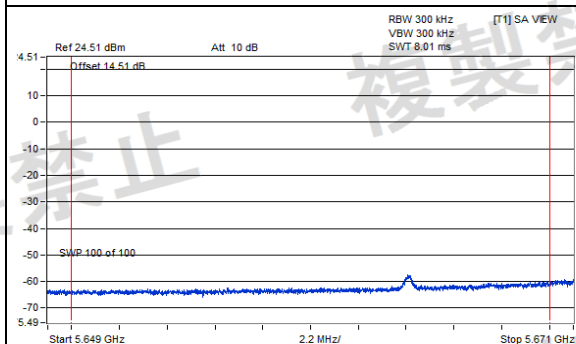
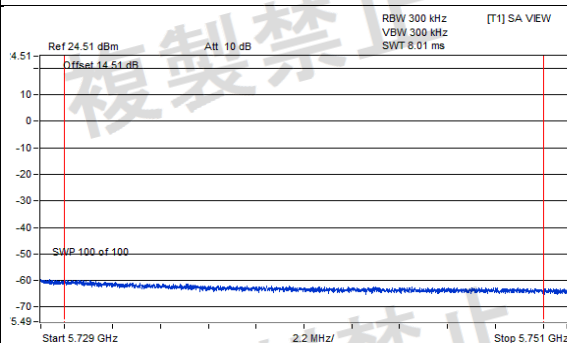
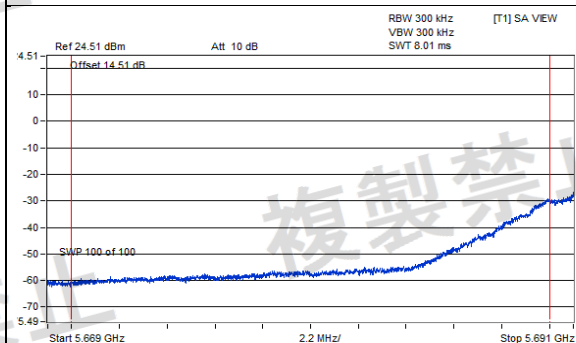
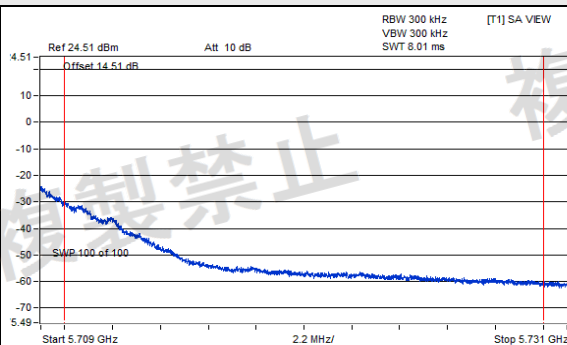
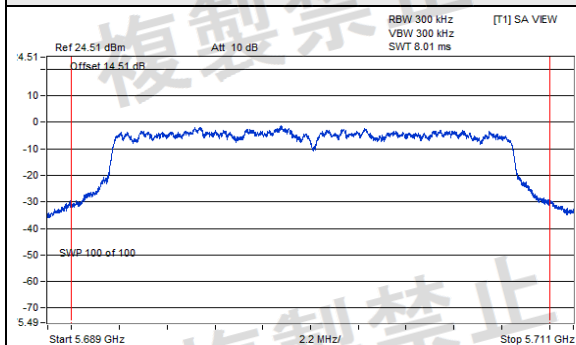
CH 100 (5500 MHz)

Vnormal



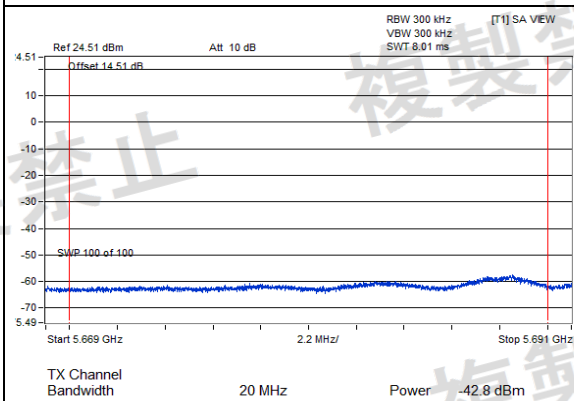
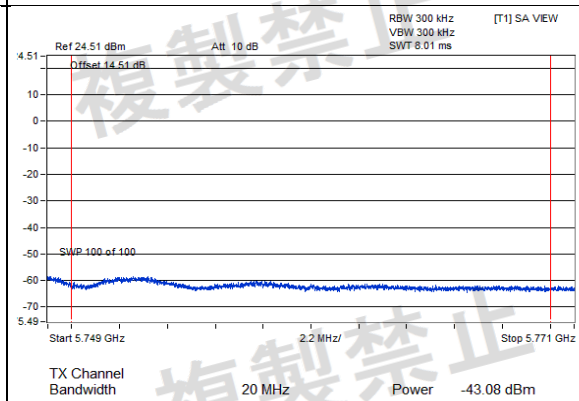
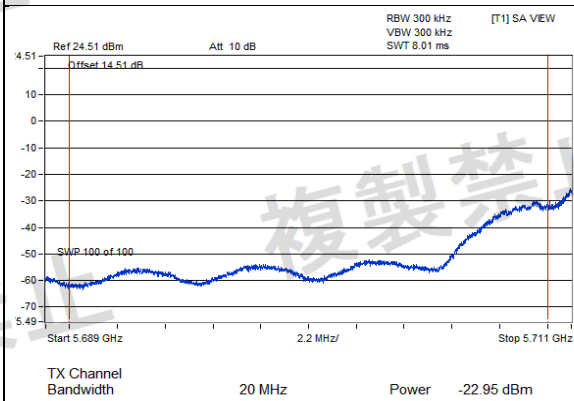
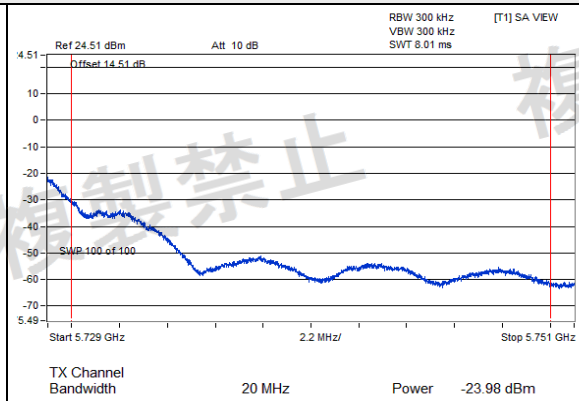
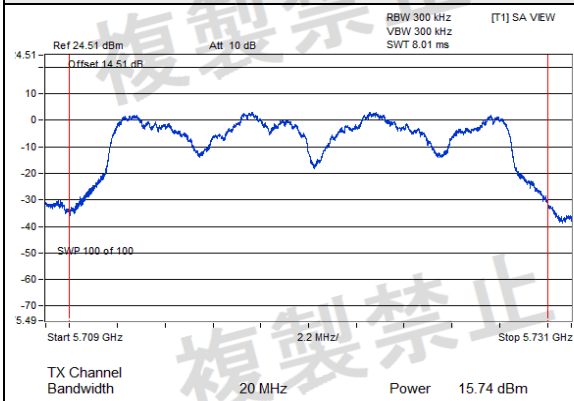
CH 120 (5600 MHz)

Vnormal



CH 140 (5700 MHz)

Vnormal



CH 144 (5720 MHz)

802.11a Sum of each Chain: W56

TEST CHANNEL		CH 100 (5500 MHz)		
TEST CONDITION	FREQUENCY RANGE(MHz)	MEASUREMENT VALUE	MIN. LIMIT(dBc)	RESULT
V_{normal}	Mean Power of Carrier (dBm)	17.78	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	40.74	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	41.86	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	62.44	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	62.74	40	PASS
TEST CHANNEL		CH 120 (5600 MHz)		
V_{normal}	Mean Power of Carrier (dBm)	17.68	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	40.89	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	41.80	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	61.97	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	62.23	40	PASS
TEST CHANNEL		CH 140 (5700 MHz)		
V_{normal}	Mean Power of Carrier (dBm)	16.36	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	40.12	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	40.90	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	61.01	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	61.22	40	PASS
TEST CHANNEL		CH 144 (5720 MHz)		
V_{normal}	Mean Power of Carrier (dBm)	17.92	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	40.93	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	41.62	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	61.89	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	62.26	40	PASS

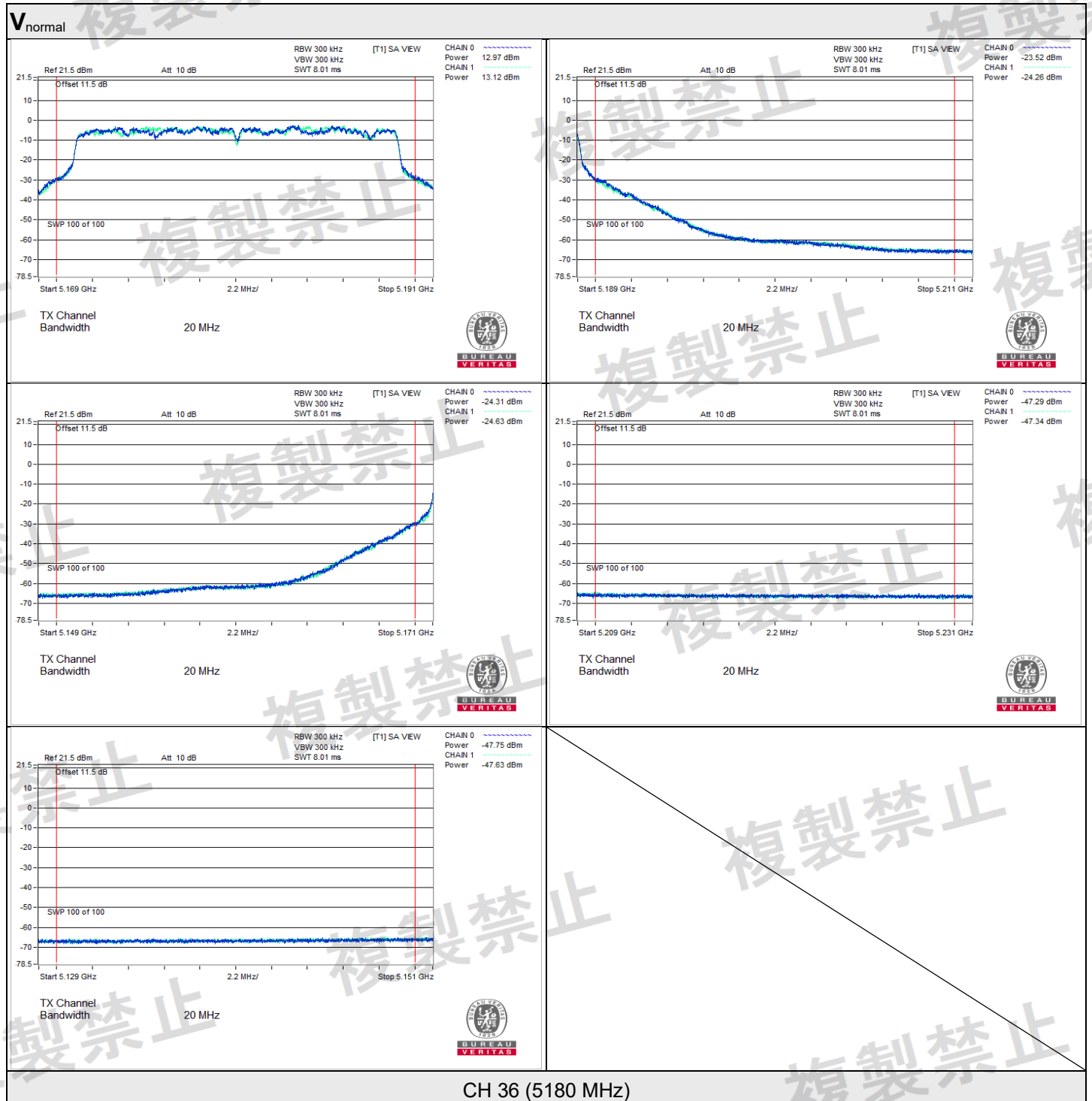
802.11ac (VHT20) Chain 0: W52&53

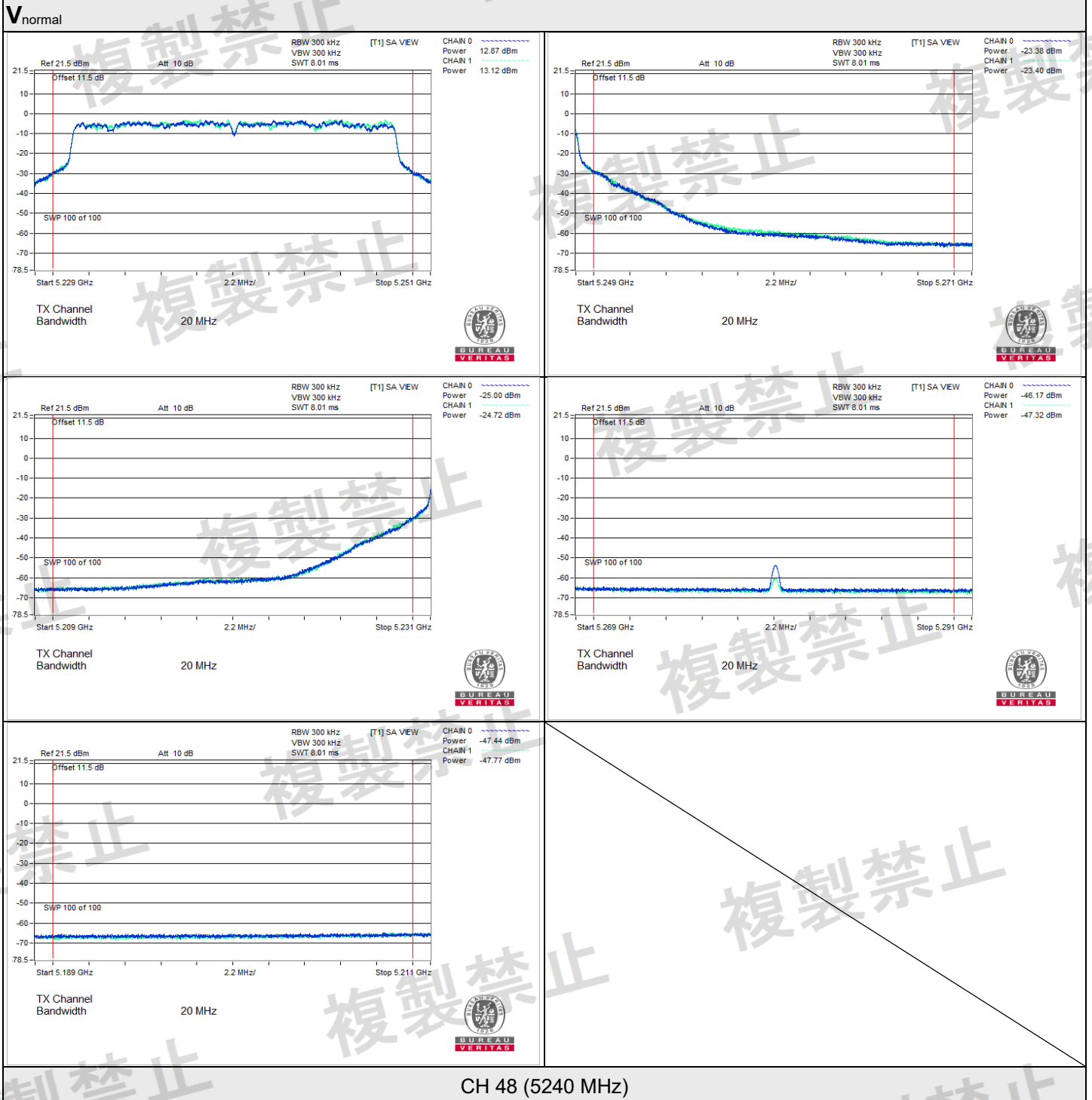
Test Channel		CH 36 (5180 MHz)	CH 48 (5240 MHz)	Min. Limit (dBc)	Result
Test Condition					
V_{normal}	Mean Power of Carrier (dBm)	12.97	12.87	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	36.49	36.25	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	37.28	37.87	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	60.26	59.04	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	60.72	60.31	40	PASS
Test Channel		CH 52 (5260 MHz)	CH 64 (5320 MHz)	Min. Limit (dBc)	Result
Test Condition					
V_{normal}	Mean Power of Carrier (dBm)	12.76	12.74	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	36.48	36.93	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	37.65	37.22	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	59.91	61.18	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	60.14	60.21	40	PASS

802.11ac (VHT20) Chain 1: W52&53

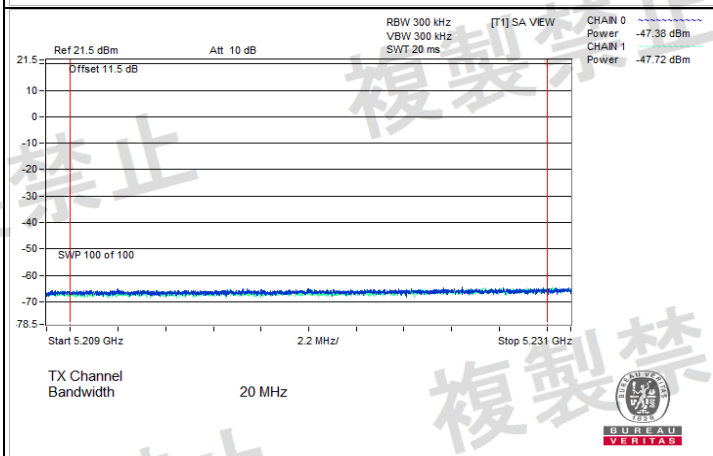
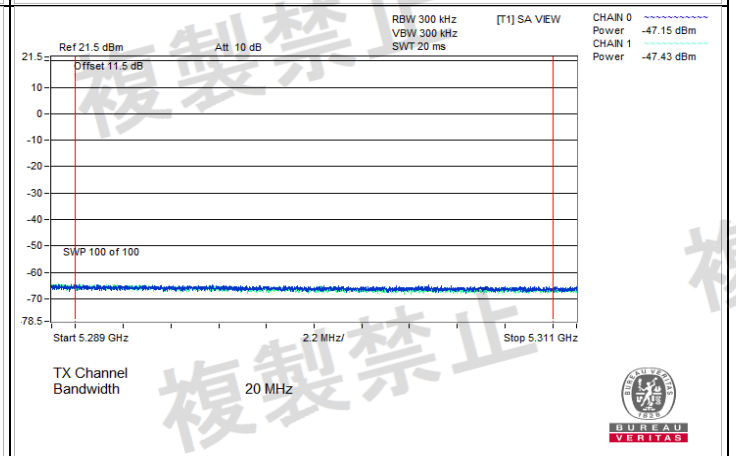
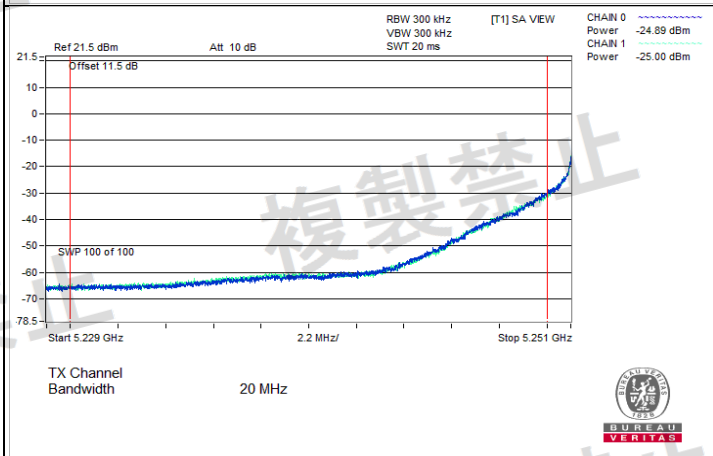
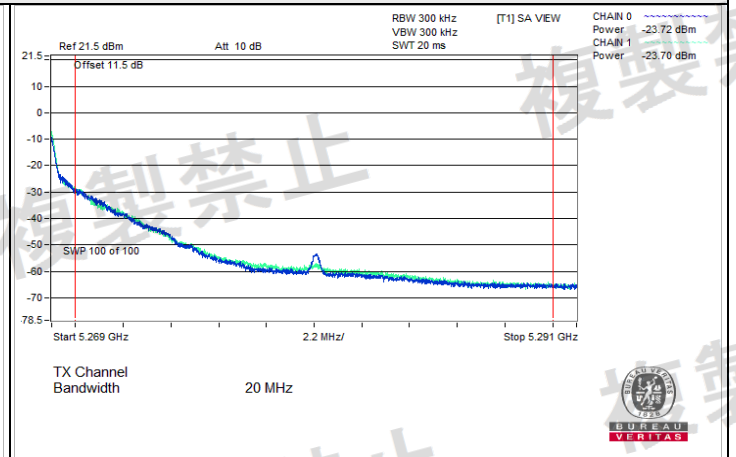
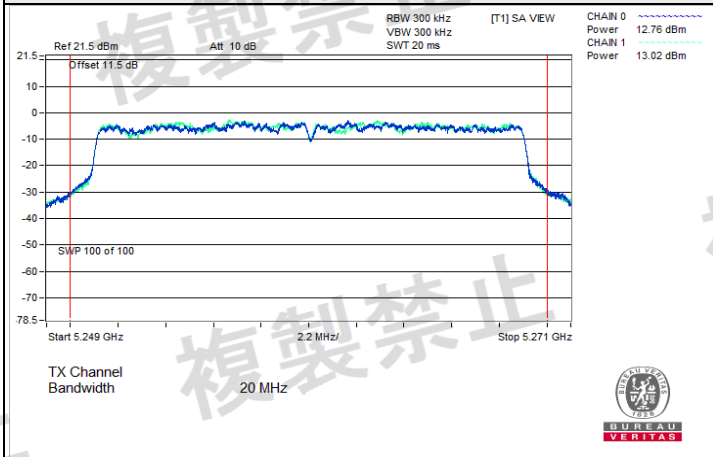
Test Channel		CH 36 (5180 MHz)	CH 48 (5240 MHz)	Min. Limit (dBc)	Result
Test Condition					
V_{normal}	Mean Power of Carrier (dBm)	13.12	13.12	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	37.38	36.52	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	37.75	37.84	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	60.46	60.44	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	60.75	60.89	40	PASS
Test Channel		CH 52 (5260 MHz)	CH 64 (5320 MHz)	Min. Limit (dBc)	Result
Test Condition					
V_{normal}	Mean Power of Carrier (dBm)	13.02	13.17	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	36.72	36.72	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	38.02	37.84	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	60.45	60.36	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	60.74	60.37	40	PASS

802.11ac (VHT20) Graph: W52&53

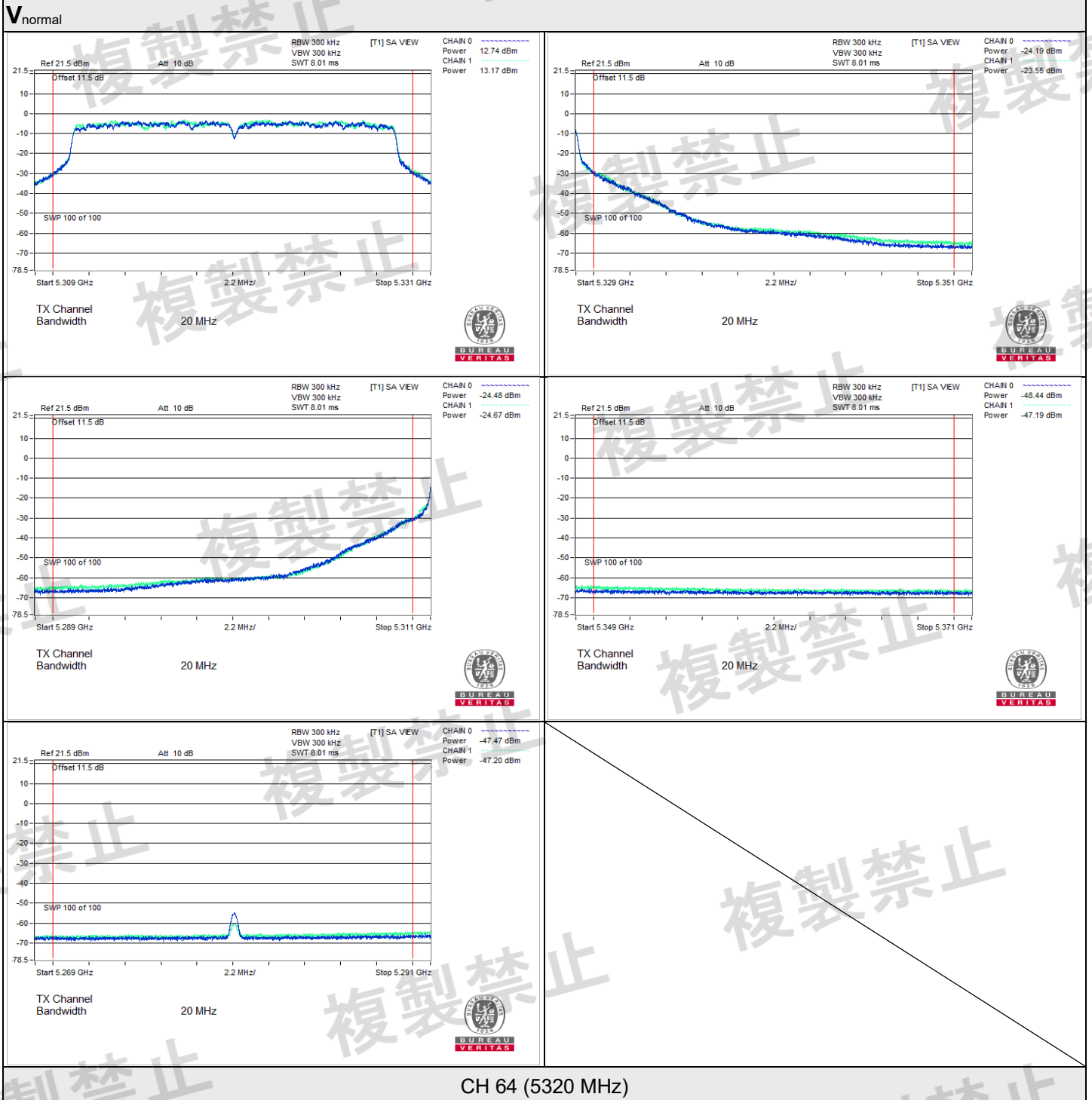




Vnormal



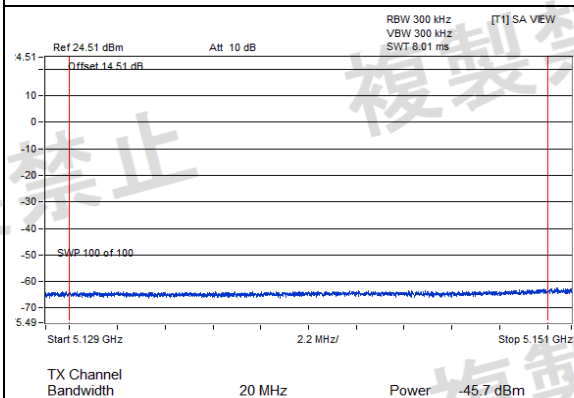
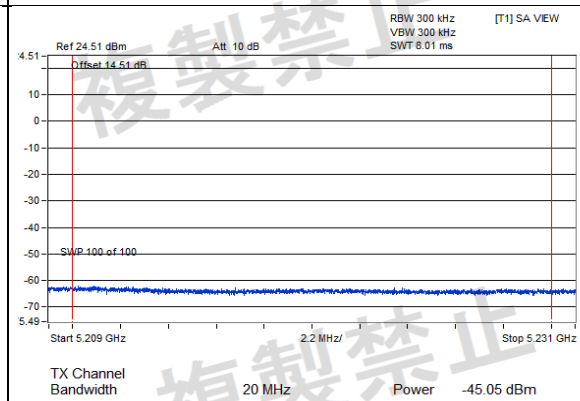
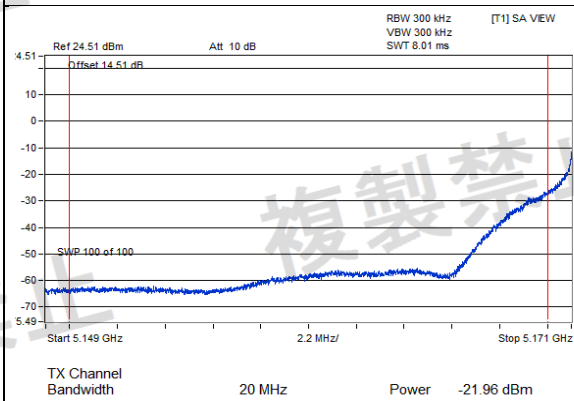
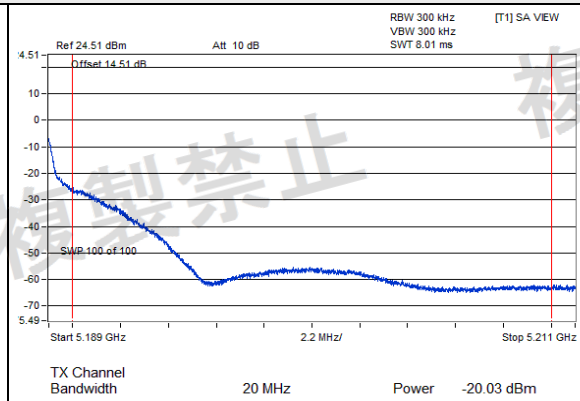
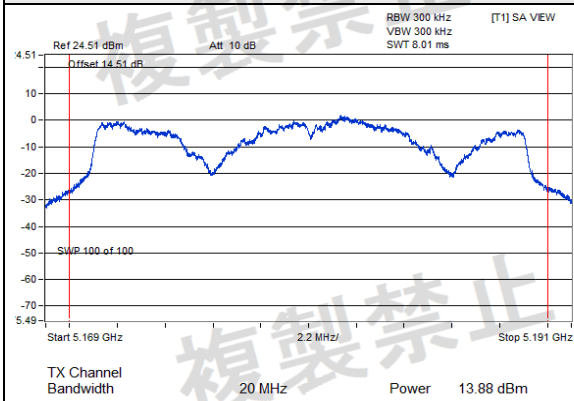
CH 52 (5260 MHz)



802.11ac (VHT20) Use combiner: W52&53

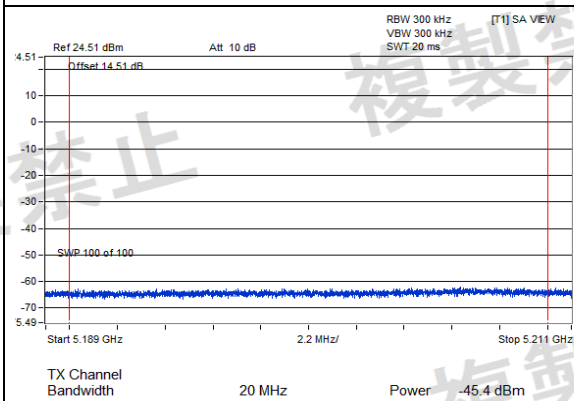
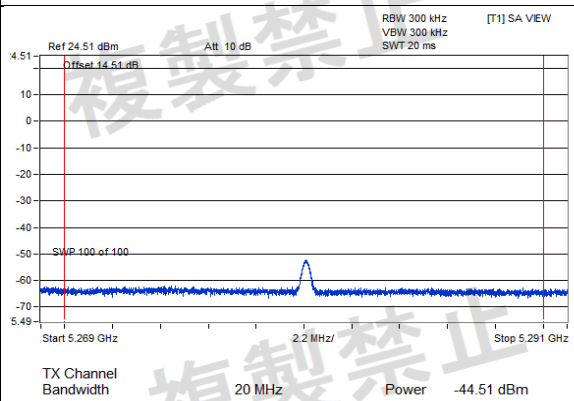
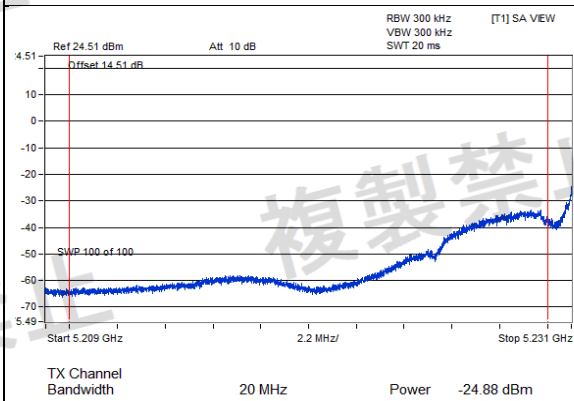
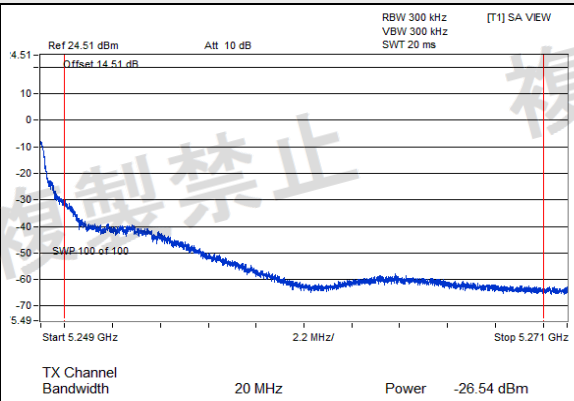
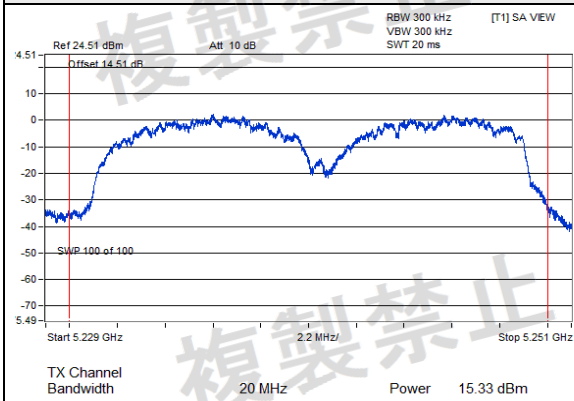
Test Channel		CH 36 (5180 MHz)	CH 48 (5240 MHz)	Min. Limit (dBc)	Result
Test Condition					
V _{normal}	Mean Power of Carrier (dBm)	13.88	15.33	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	33.91	41.87	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	35.84	40.21	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	58.93	59.84	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	59.58	60.73	40	PASS
Test Channel		CH 52 (5260 MHz)	CH 64 (5320 MHz)	Min. Limit (dBc)	Result
Test Condition					
V _{normal}	Mean Power of Carrier (dBm)	13.91	13.50	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	34.03	34.12	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	35.43	35.79	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	59.21	59.50	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	59.19	58.61	40	PASS

Vnormal



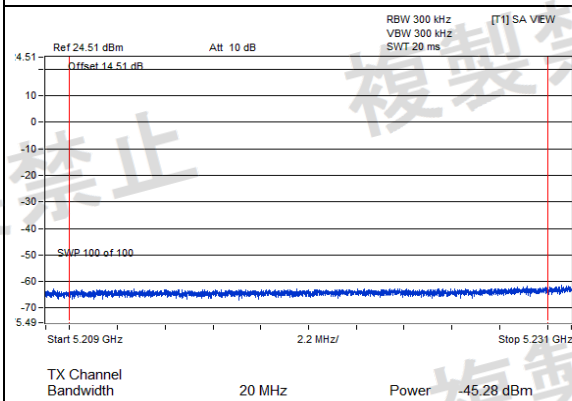
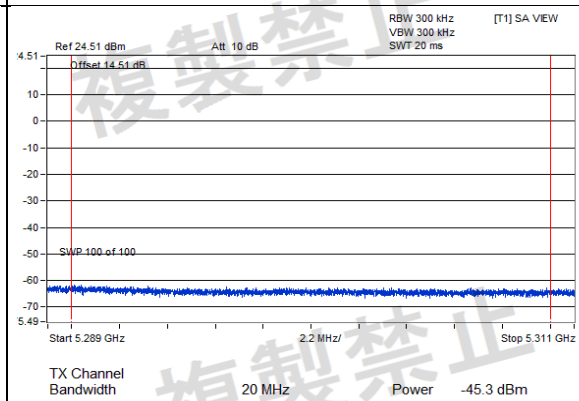
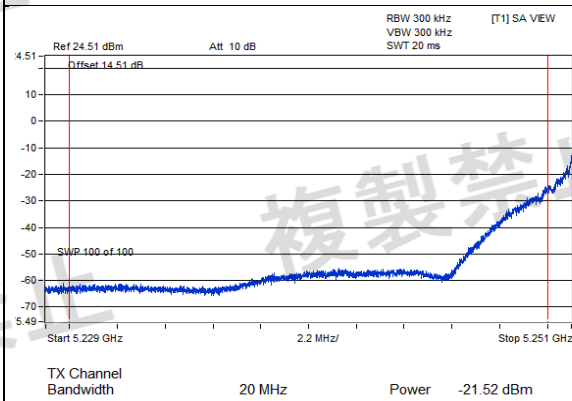
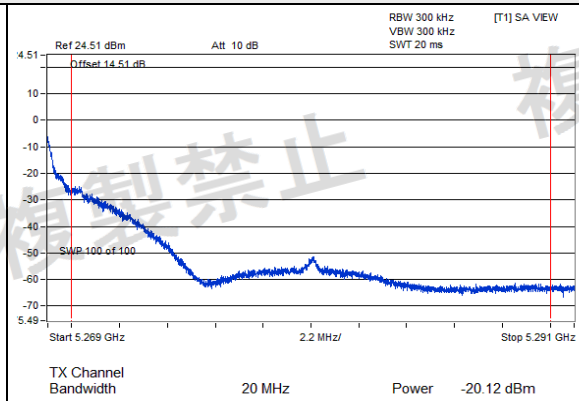
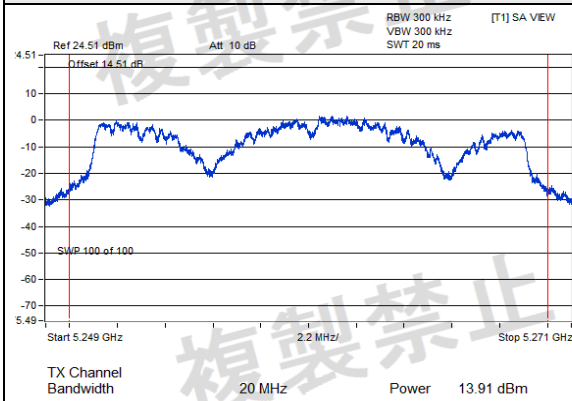
CH 36 (5180 MHz)

Vnormal

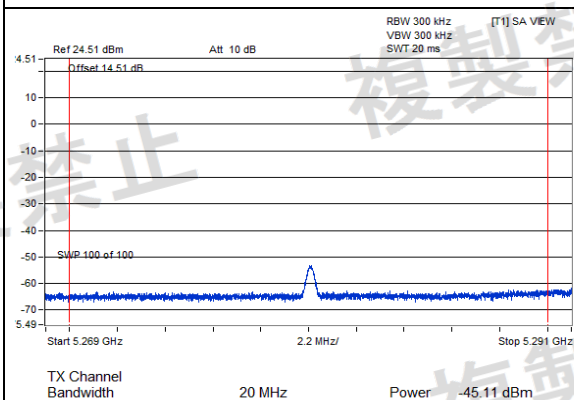
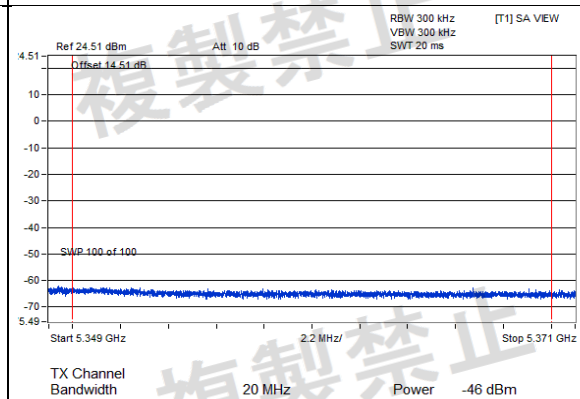
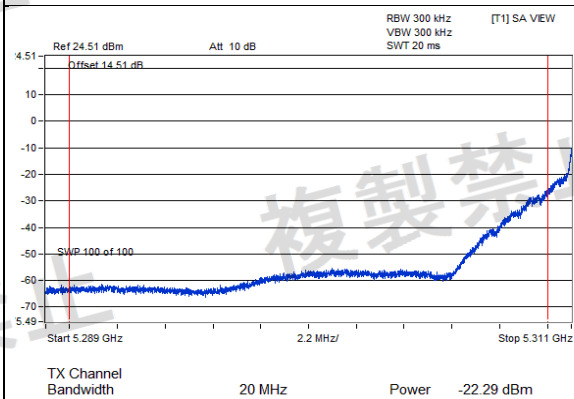
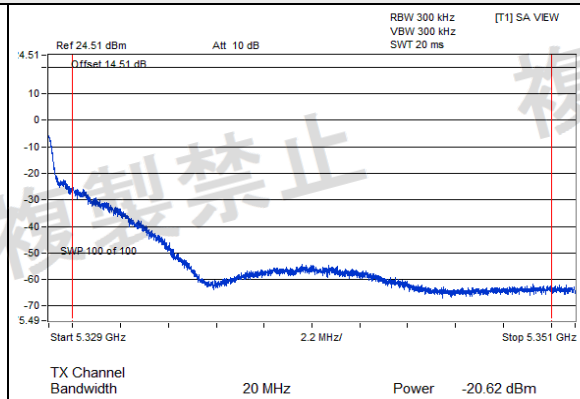
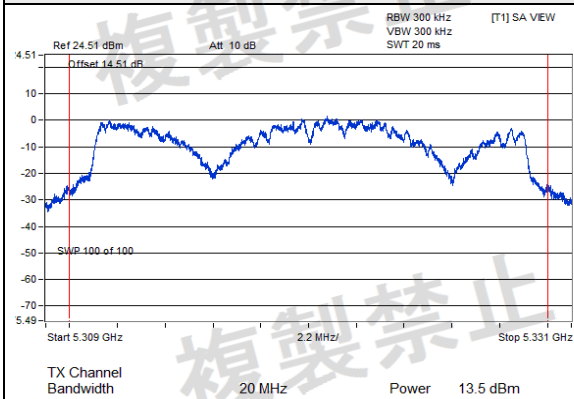


CH 48 (5240 MHz)

Vnormal



CH 52 (5260 MHz)

Vnormal

CH 64 (5320 MHz)

802.11ac (VHT20) Sum of each Chain: W52&53

TEST CHANNEL		CH 36 (5180 MHz)		
TEST CONDITION	FREQUENCY RANGE(MHz)	MEASUREMENT VALUE	MIN. LIMIT(dBc)	RESULT
V _{normal}	Mean Power of Carrier (dBm)	16.06	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	39.97	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	40.53	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	63.37	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	63.75	40	PASS
TEST CHANNEL		CH 48 (5240 MHz)		
V _{normal}	Mean Power of Carrier (dBm)	16.01	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	39.40	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	40.87	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	62.81	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	63.62	40	PASS
TEST CHANNEL		CH 52 (5260 MHz)		
V _{normal}	Mean Power of Carrier (dBm)	15.90	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	39.61	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	40.85	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	63.20	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	63.46	40	PASS
TEST CHANNEL		CH 64 (5320 MHz)		
V _{normal}	Mean Power of Carrier (dBm)	15.97	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	39.84	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	40.55	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	63.80	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	63.30	40	PASS

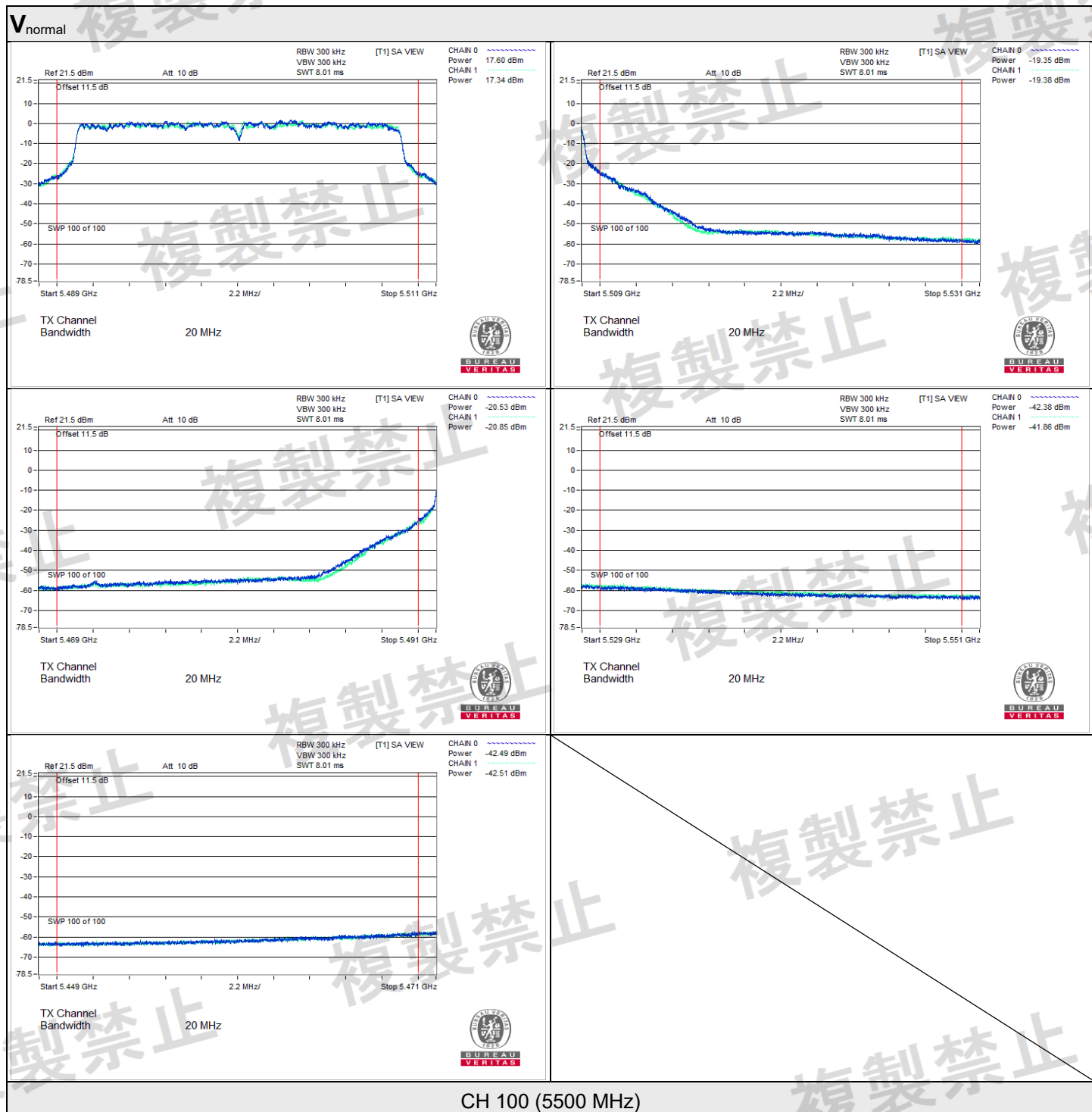
802.11ac (VHT20) Chain 0: W56

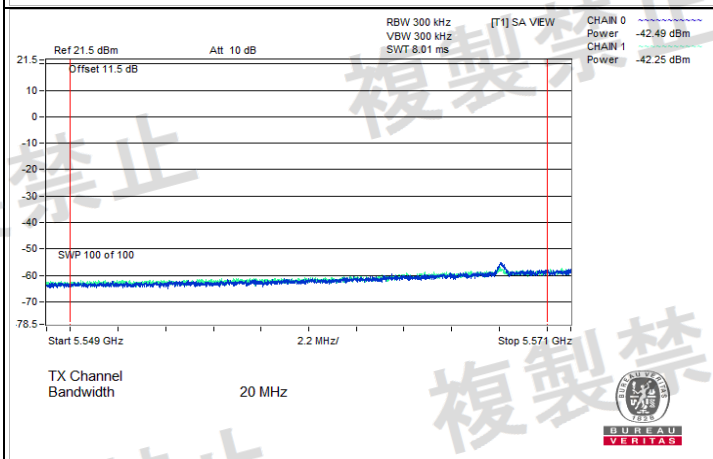
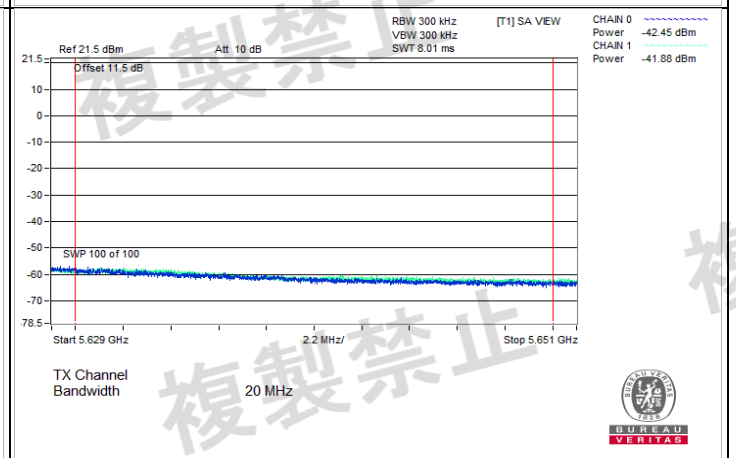
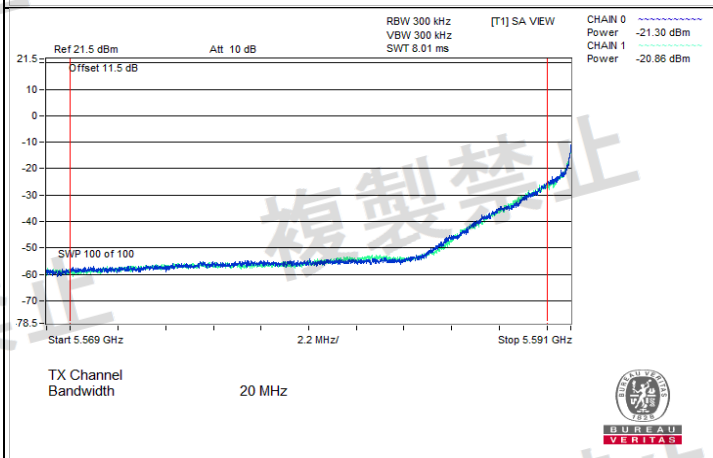
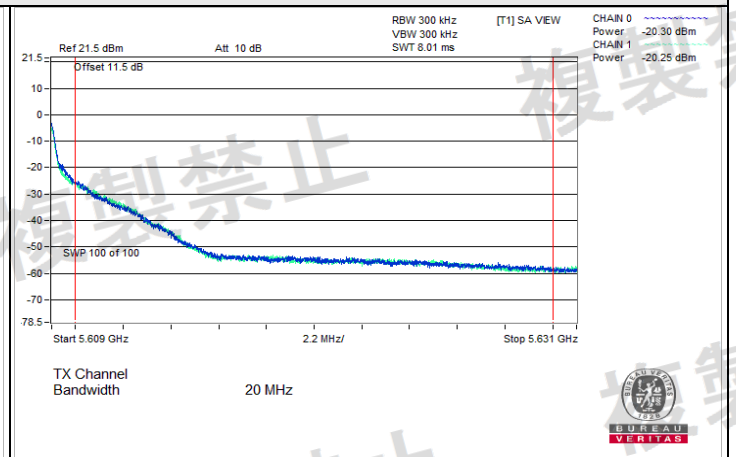
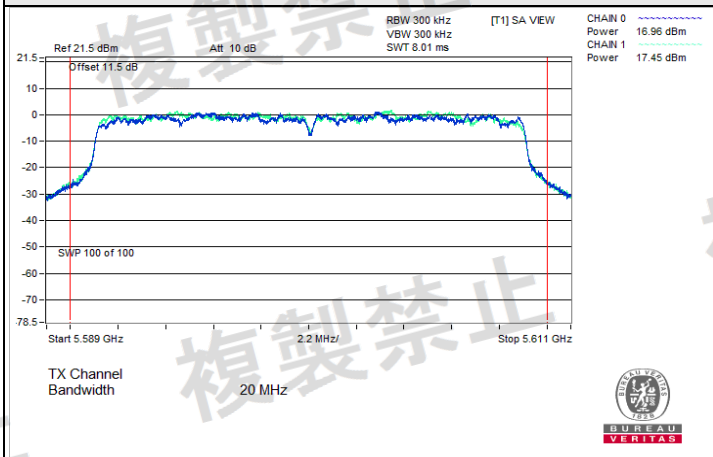
Test Channel		CH 100 (5500 MHz)	CH 120 (5600 MHz)	Min. Limit (dBc)	Result
Test Condition					
V _{normal}	Mean Power of Carrier (dBm)	17.60	16.96	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	36.95	37.26	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	38.13	38.26	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	59.98	59.41	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	60.09	59.45	40	PASS
Test Channel		CH 140 (5700 MHz)	CH 144 (5720 MHz)	Min. Limit (dBc)	Result
Test Condition					
V _{normal}	Mean Power of Carrier (dBm)	16.78	17.07	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	36.85	36.72	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	37.79	38.12	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	59.31	60.39	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	59.39	60.86	40	PASS

802.11ac (VHT20) Chain 1: W56

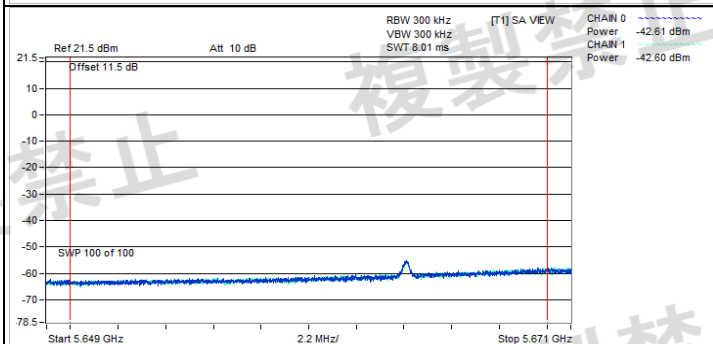
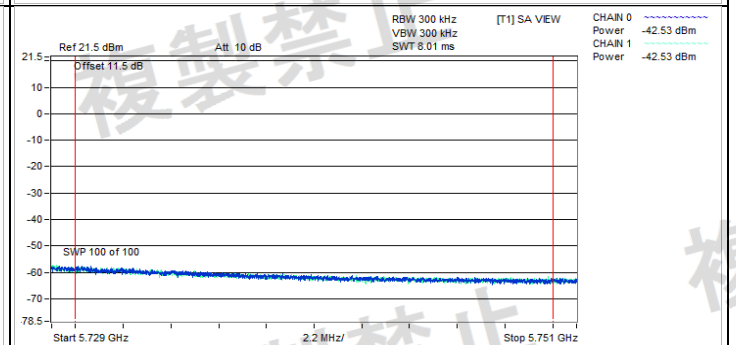
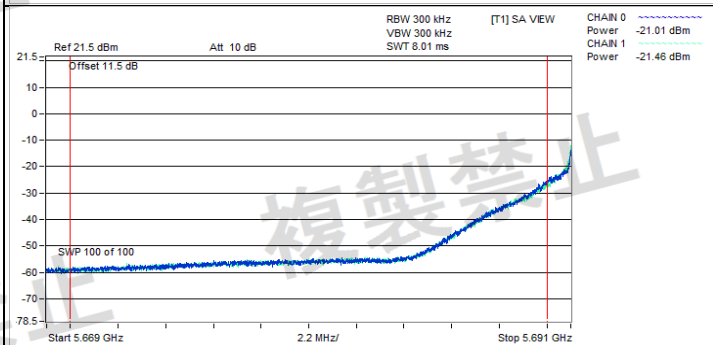
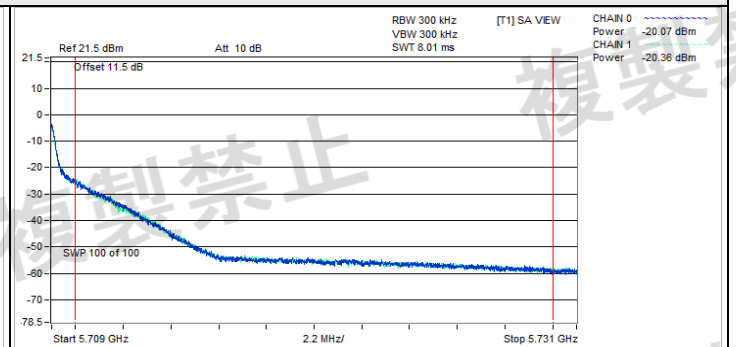
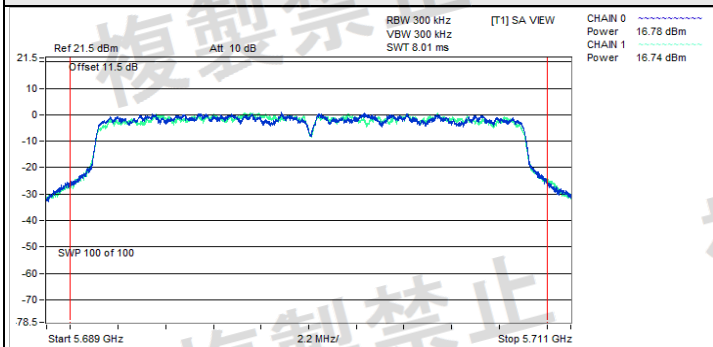
Test Channel		CH 100 (5500 MHz)	CH 120 (5600 MHz)	Min. Limit (dBc)	Result
Test Condition					
V _{normal}	Mean Power of Carrier (dBm)	17.34	17.45	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	36.72	37.70	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	38.19	38.31	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	59.20	59.33	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	59.85	59.70	40	PASS
Test Channel		CH 140 (5700 MHz)	CH 144 (5720 MHz)	Min. Limit (dBc)	Result
Test Condition					
V _{normal}	Mean Power of Carrier (dBm)	16.74	17.80	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	37.10	37.30	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	38.20	38.06	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	59.27	60.96	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	59.34	61.14	40	PASS

802.11ac (VHT20) Graph: W56



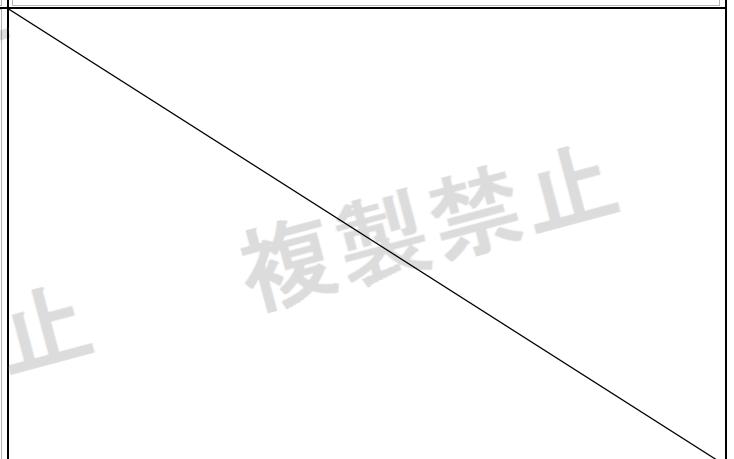
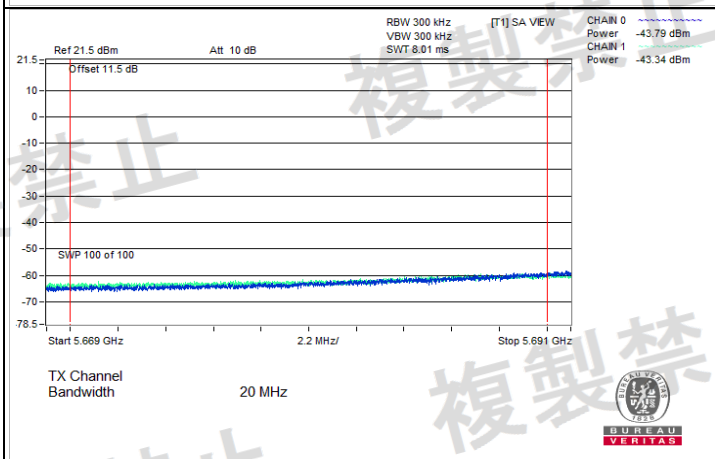
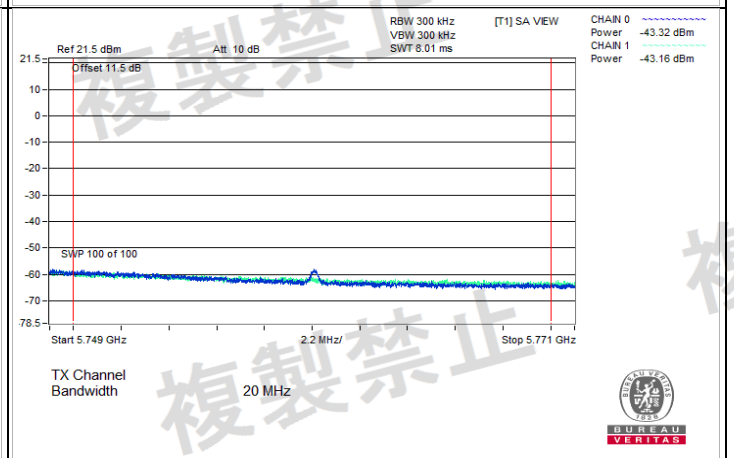
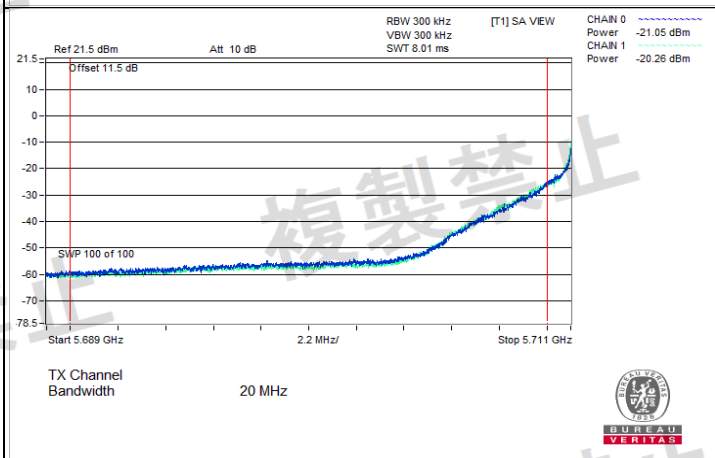
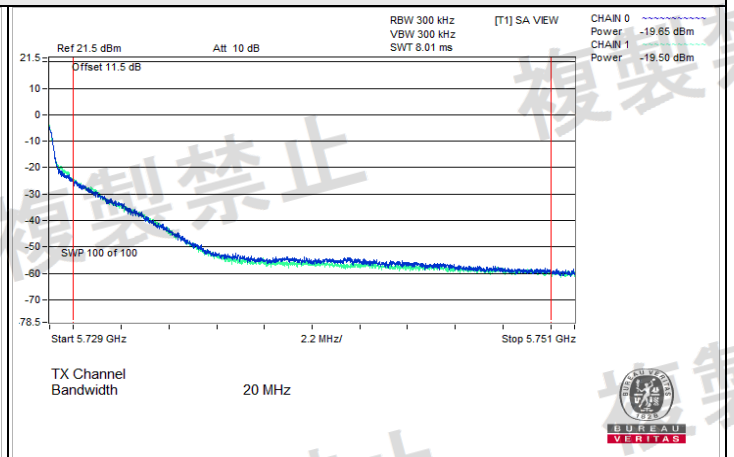
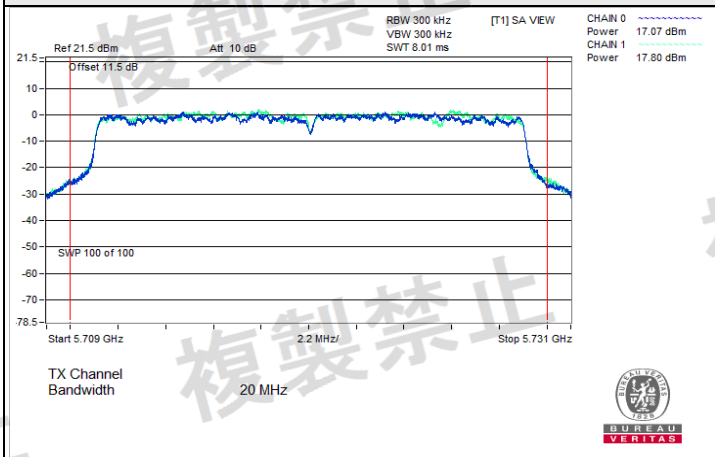
Vnormal

CH 120 (5600 MHz)

Vnormal

CH 140 (5700 MHz)

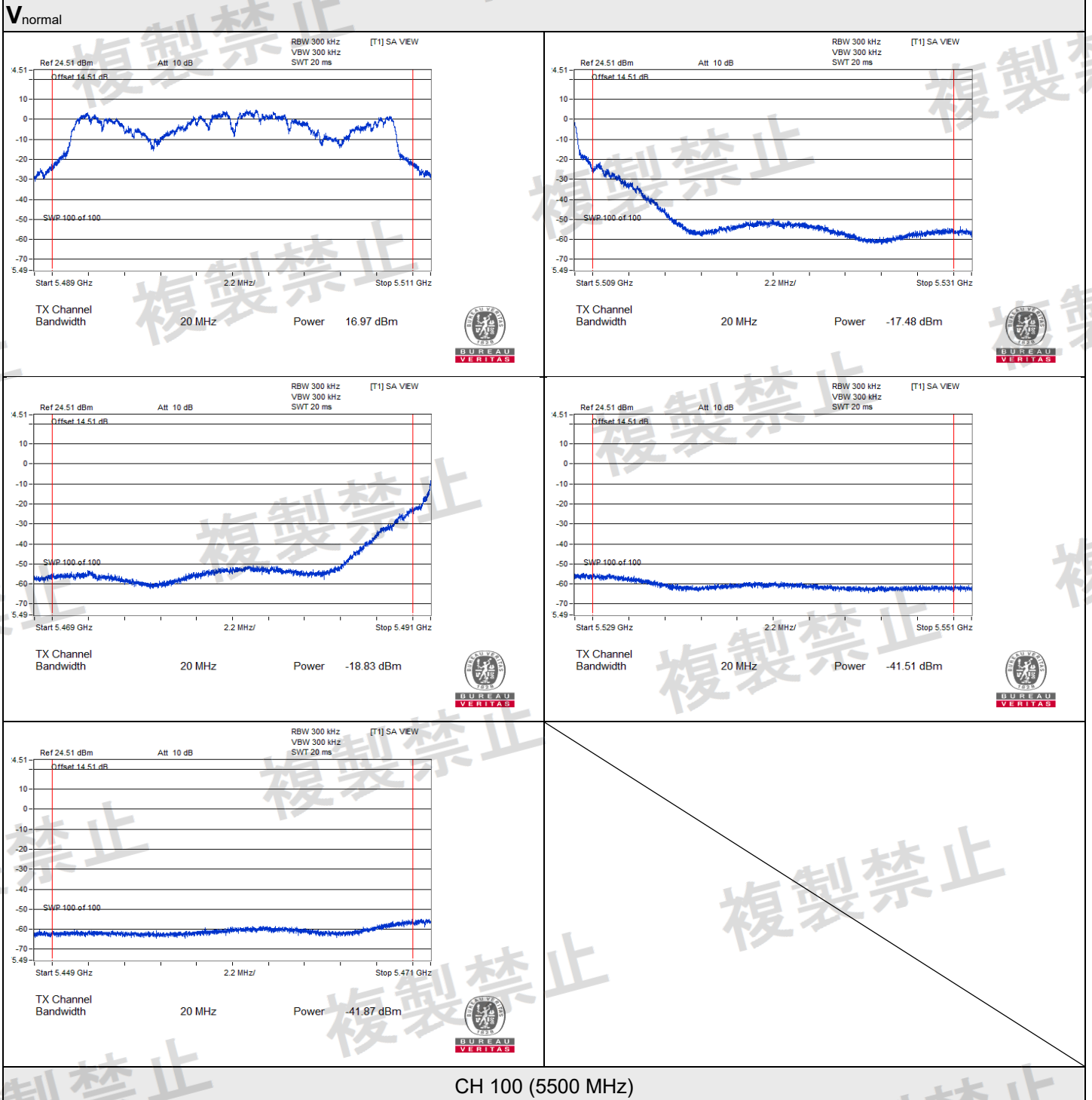
Vnormal



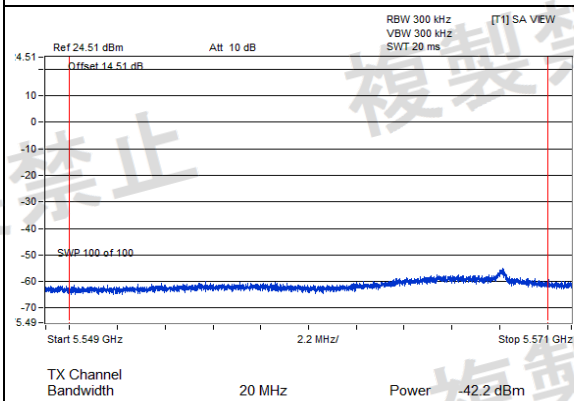
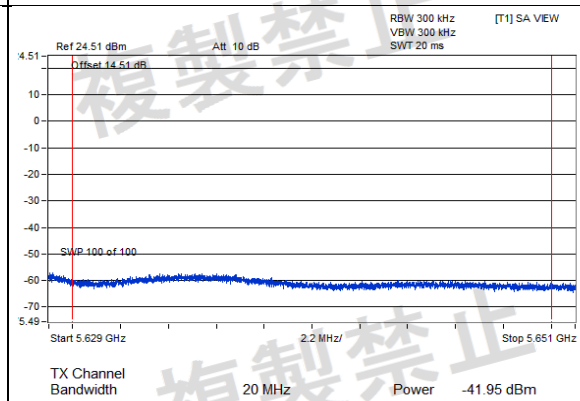
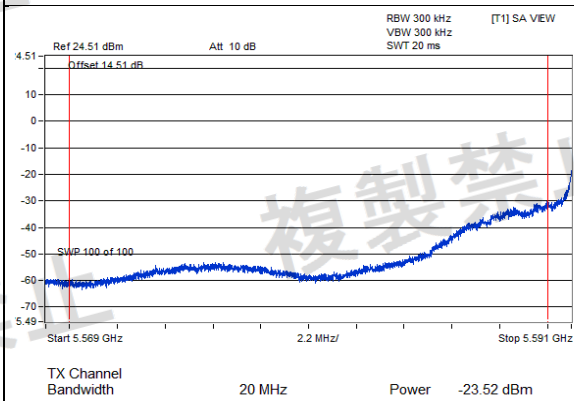
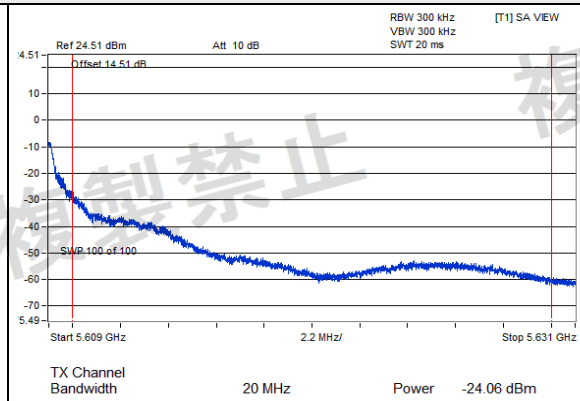
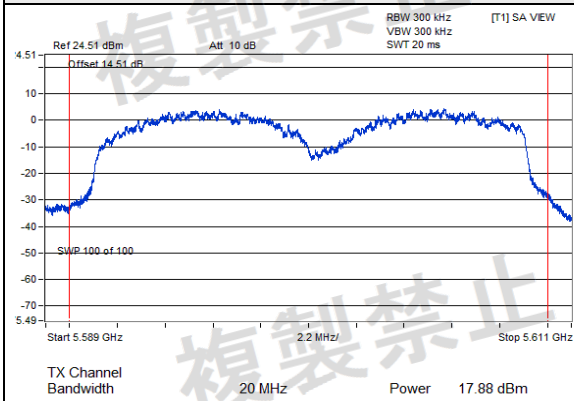
CH 144 (5720 MHz)

802.11ac (VHT20) Use combiner: W56

Test Channel		CH 100 (5500 MHz)	CH 120 (5600 MHz)	Min. Limit (dBc)	Result
Test Condition					
V _{normal}	Mean Power of Carrier (dBm)	16.97	17.88	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	34.45	41.94	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	35.80	41.40	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	58.48	59.83	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	58.84	60.08	40	PASS
Test Channel		CH 140 (5700 MHz)	CH 144 (5720 MHz)	Min. Limit (dBc)	Result
Test Condition					
V _{normal}	Mean Power of Carrier (dBm)	16.25	16.97	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	37.21	34.61	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	37.86	35.49	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	59.52	59.43	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	59.42	59.42	40	PASS

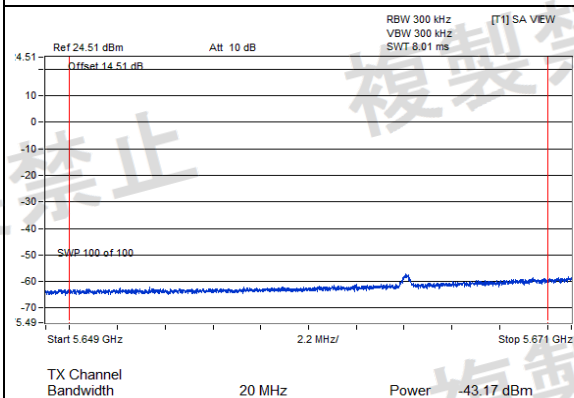
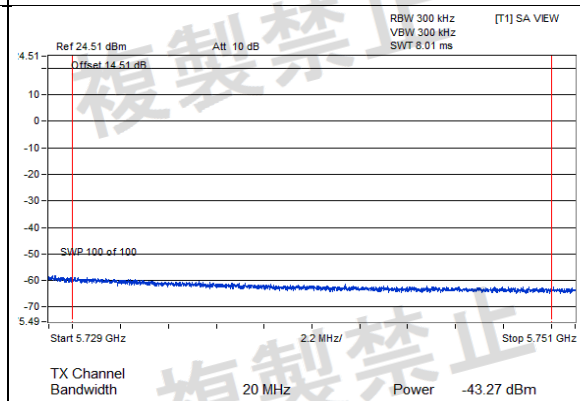
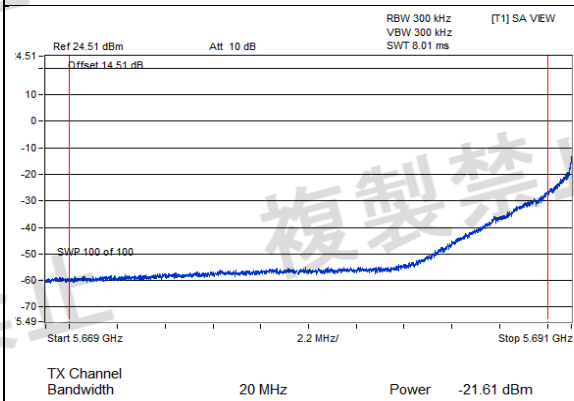
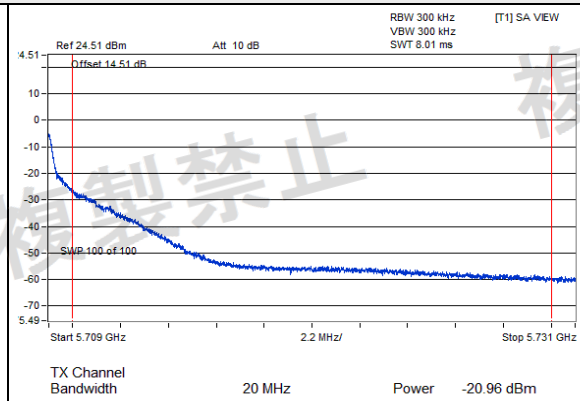
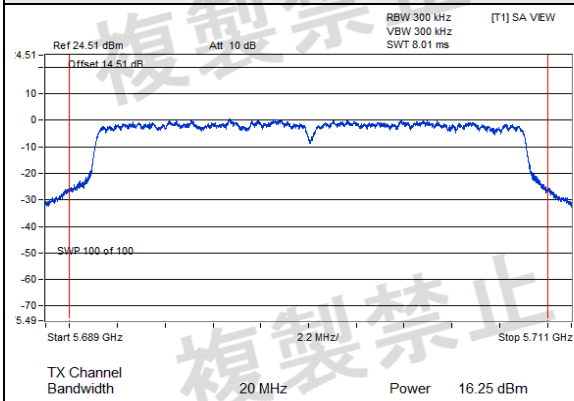


Vnormal



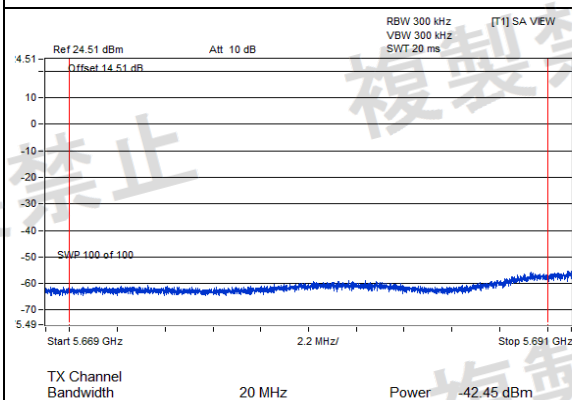
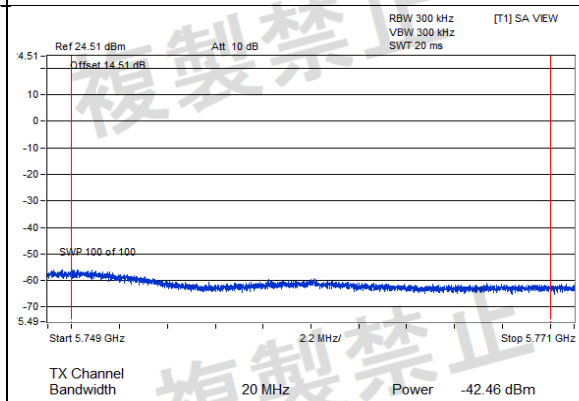
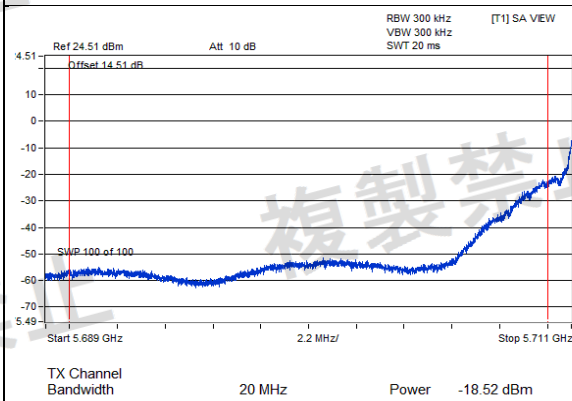
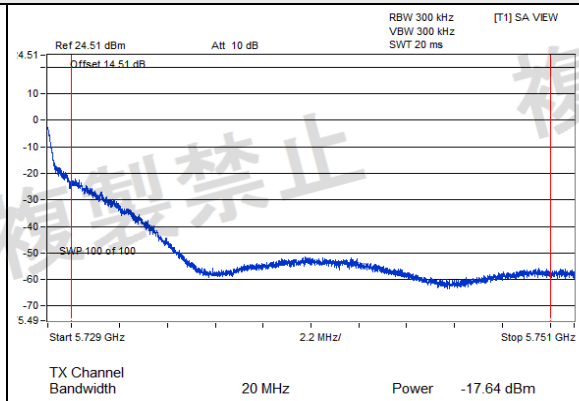
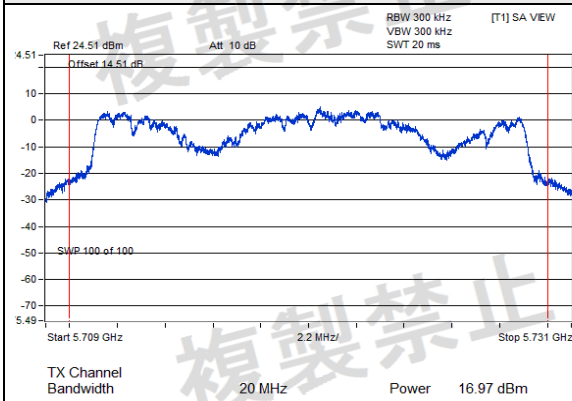
CH 120 (5600 MHz)

Vnormal



CH 140 (5700 MHz)

Vnormal



CH 144 (5720 MHz)

802.11ac (VHT20) Sum of each Chain: W56

TEST CHANNEL		CH 100 (5500 MHz)		
TEST CONDITION	FREQUENCY RANGE(MHz)	MEASUREMENT VALUE	MIN. LIMIT(dBc)	RESULT
V_{normal}	Mean Power of Carrier (dBm)	20.48	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	39.85	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	41.17	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	62.62	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	62.98	40	PASS
TEST CHANNEL		CH 120 (5600 MHz)		
V_{normal}	Mean Power of Carrier (dBm)	20.22	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	40.50	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	41.30	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	62.38	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	62.59	40	PASS
TEST CHANNEL		CH 140 (5700 MHz)		
V_{normal}	Mean Power of Carrier (dBm)	19.77	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	39.99	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	41.01	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	62.30	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	62.38	40	PASS
TEST CHANNEL		CH 144 (5720 MHz)		
V_{normal}	Mean Power of Carrier (dBm)	20.46	-	-
	Mean Power +20MHz Distance of Carrier (dBc)	40.03	25	PASS
	Mean Power -20MHz Distance of Carrier (dBc)	41.10	25	PASS
	Mean Power +40MHz Distance of Carrier (dBc)	63.69	40	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	64.01	40	PASS

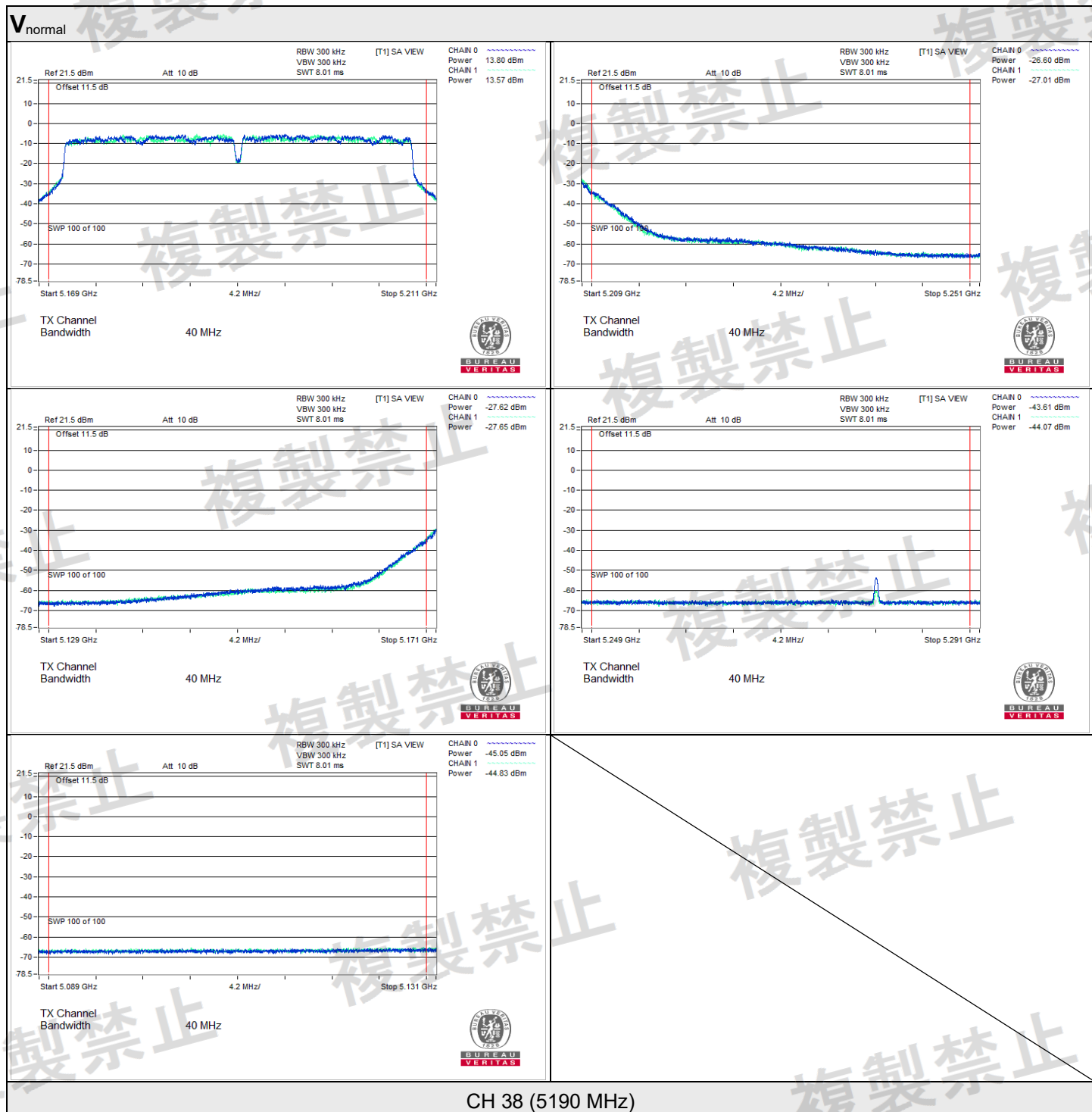
802.11ac (VHT40) Chain 0: W52&53

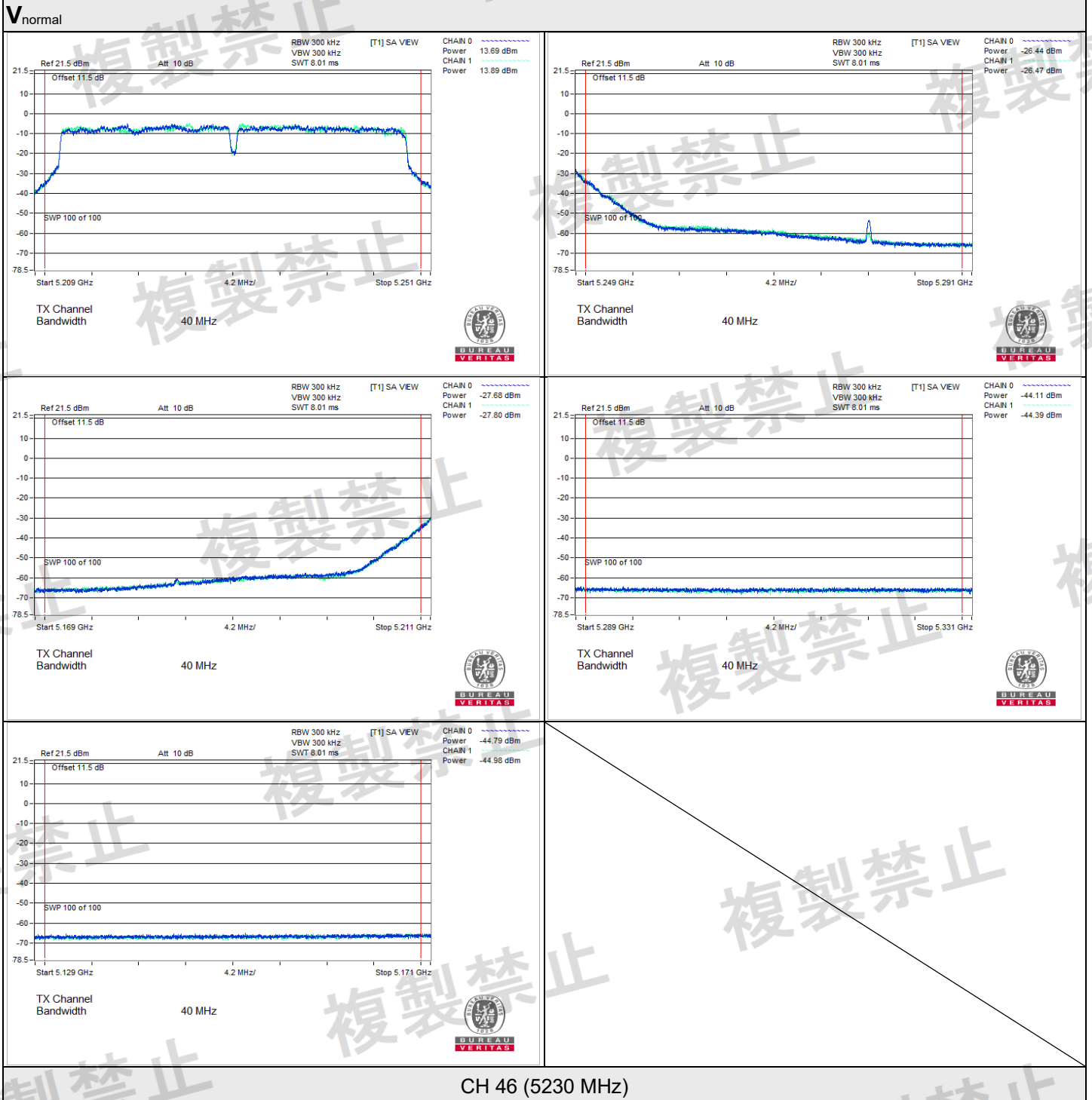
Test Condition \ Test Channel		CH 38 (5190 MHz)	CH 46 (5230 MHz)	Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)	13.80	13.69	-	-
	Mean Power +40MHz Distance of Carrier (dBc)	40.40	40.13	25	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	41.42	41.37	25	PASS
	Mean Power +80MHz Distance of Carrier (dBc)	57.41	57.80	40	PASS
	Mean Power -80MHz Distance of Carrier (dBc)	58.85	58.48	40	PASS
Test Condition \ Test Channel		CH 54 (5270 MHz)	CH 62 (5310 MHz)	Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)	13.66	13.57	-	-
	Mean Power +40MHz Distance of Carrier (dBc)	40.37	40.40	25	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	41.48	41.36	25	PASS
	Mean Power +80MHz Distance of Carrier (dBc)	57.80	57.64	40	PASS
	Mean Power -80MHz Distance of Carrier (dBc)	58.16	57.93	40	PASS

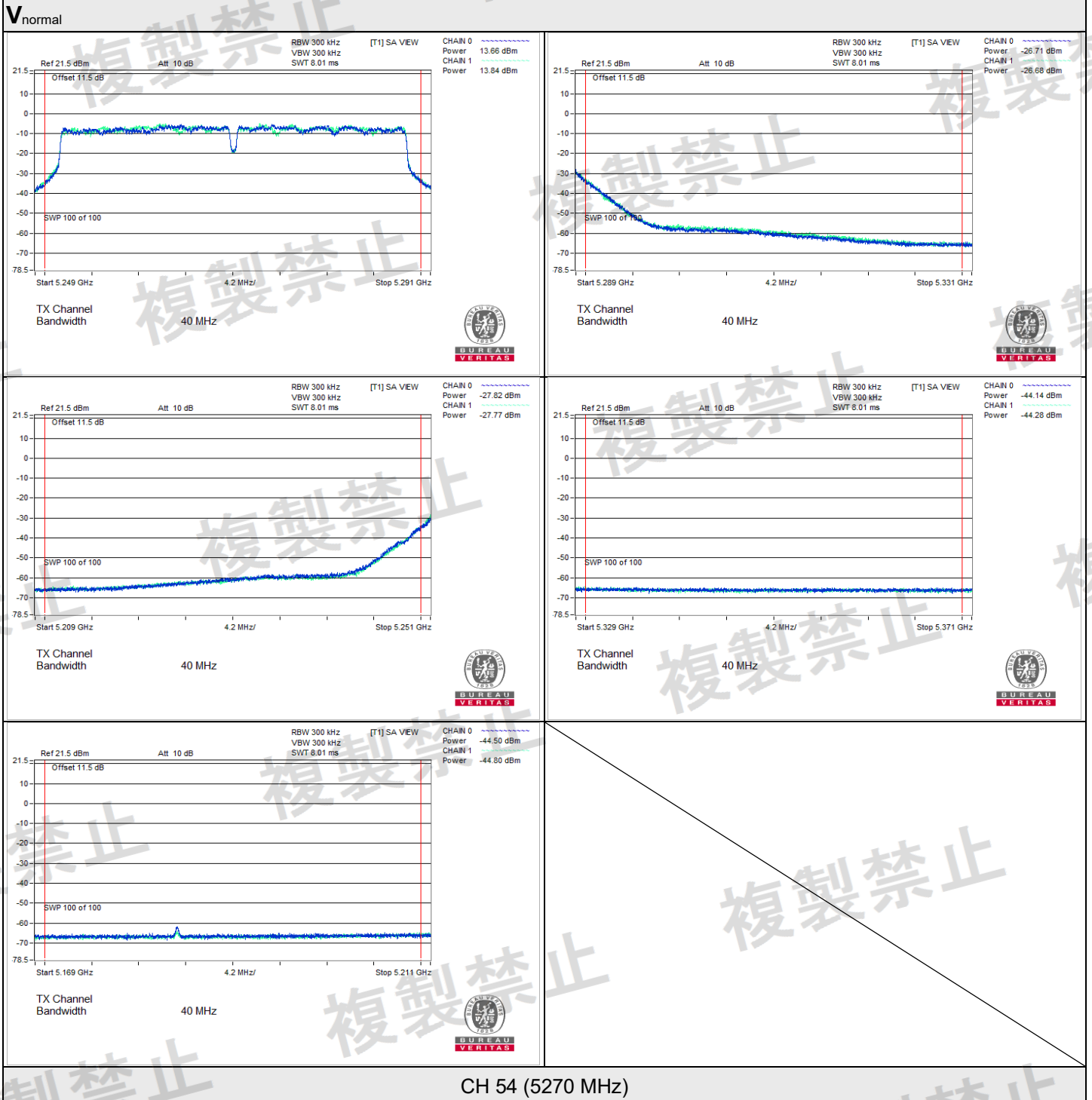
802.11ac (VHT40) Chain 1: W52&53

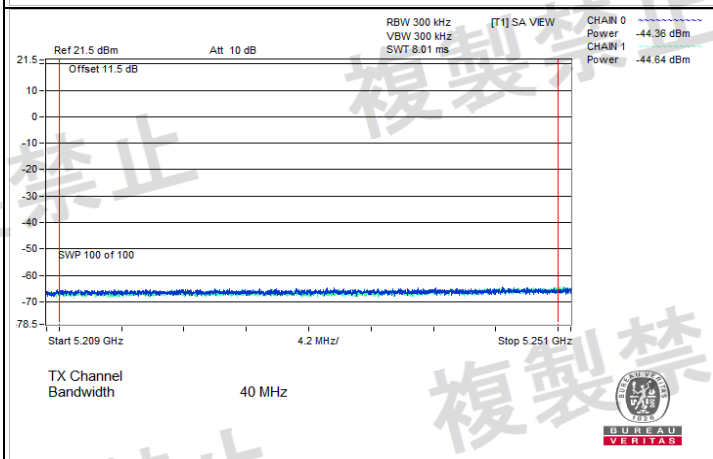
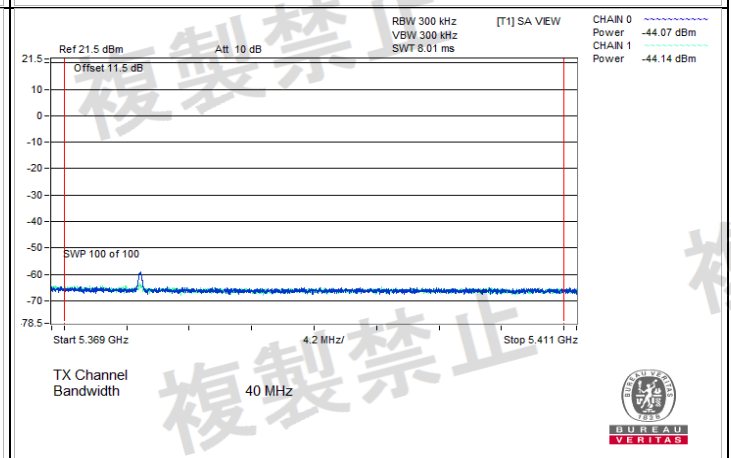
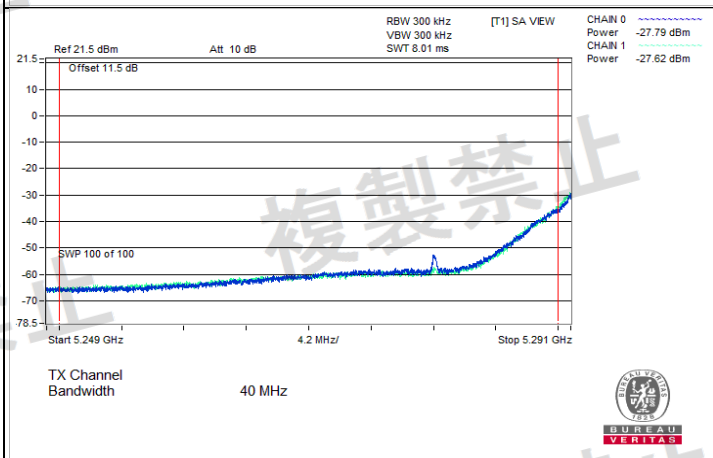
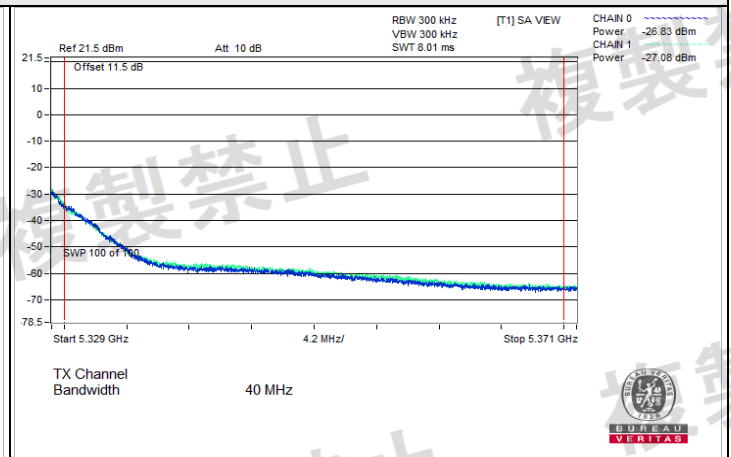
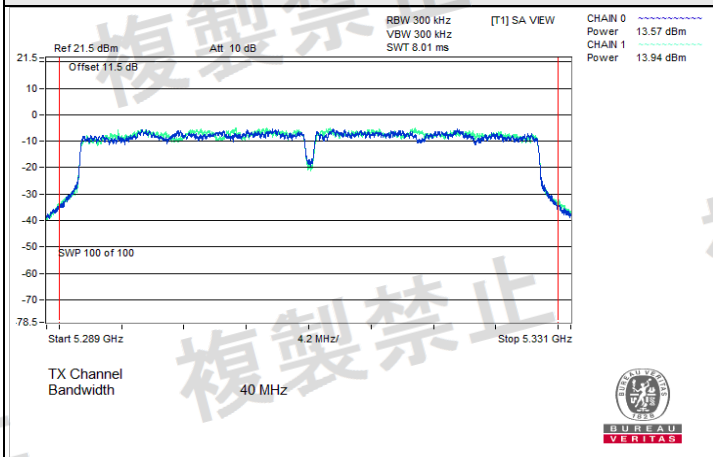
Test Condition \ Test Channel		CH 38 (5190 MHz)	CH 46 (5230 MHz)	Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)	13.57	13.89	-	-
	Mean Power +40MHz Distance of Carrier (dBc)	40.58	40.36	25	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	41.22	41.69	25	PASS
	Mean Power +80MHz Distance of Carrier (dBc)	57.64	58.28	40	PASS
	Mean Power -80MHz Distance of Carrier (dBc)	58.40	58.87	40	PASS
Test Condition \ Test Channel		CH 54 (5270 MHz)	CH 62 (5310 MHz)	Min. Limit (dBc)	Result
V_{normal}	Mean Power of Carrier (dBm)	13.84	13.94	-	-
	Mean Power +40MHz Distance of Carrier (dBc)	40.52	41.02	25	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	41.61	41.56	25	PASS
	Mean Power +80MHz Distance of Carrier (dBc)	58.12	58.08	40	PASS
	Mean Power -80MHz Distance of Carrier (dBc)	58.64	58.58	40	PASS

802.11ac (VHT40) Graph: W52&53







V_{normal}

CH 62 (5310 MHz)

802.11ac (VHT40) Use combiner: W52&53

Test Channel		CH 38 (5190 MHz)	CH 46 (5230 MHz)	Min. Limit (dBc)	Result
Test Condition					
V _{normal}	Mean Power of Carrier (dBm)	15.12	15.94	-	-
	Mean Power +40MHz Distance of Carrier (dBc)	38.02	44.07	25	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	40.88	42.87	25	PASS
	Mean Power +80MHz Distance of Carrier (dBc)	56.68	58.22	40	PASS
	Mean Power -80MHz Distance of Carrier (dBc)	58.03	58.72	40	PASS
Test Channel		CH 54 (5270 MHz)	CH 62 (5310 MHz)	Min. Limit (dBc)	Result
Test Condition					
V _{normal}	Mean Power of Carrier (dBm)	14.92	14.51	-	-
	Mean Power +40MHz Distance of Carrier (dBc)	39.06	38.91	25	PASS
	Mean Power -40MHz Distance of Carrier (dBc)	40.38	40.38	25	PASS
	Mean Power +80MHz Distance of Carrier (dBc)	57.32	56.77	40	PASS
	Mean Power -80MHz Distance of Carrier (dBc)	57.39	56.75	40	PASS