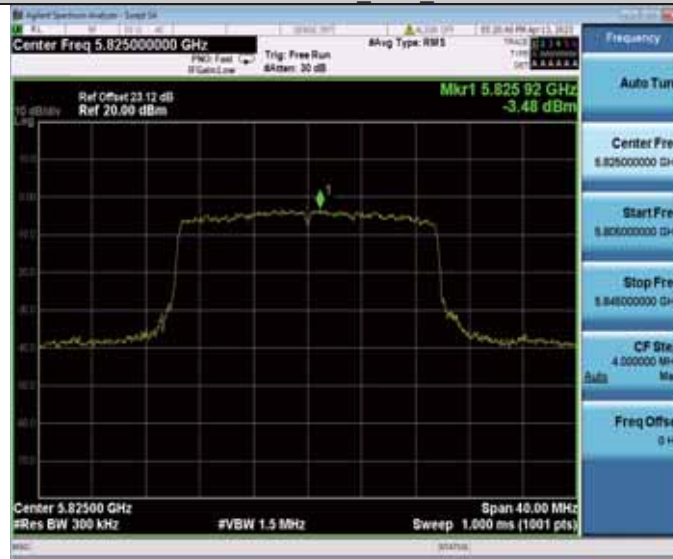


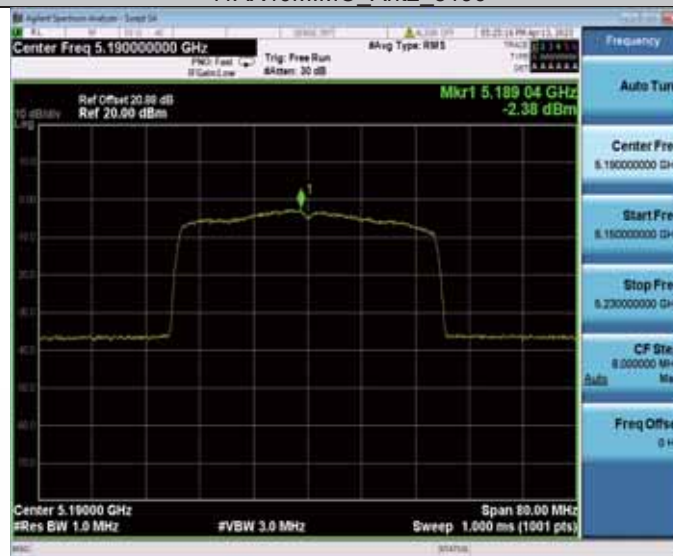
11AX20MIMO\_Ant2\_5825



11AX40MIMO\_Ant1\_5190



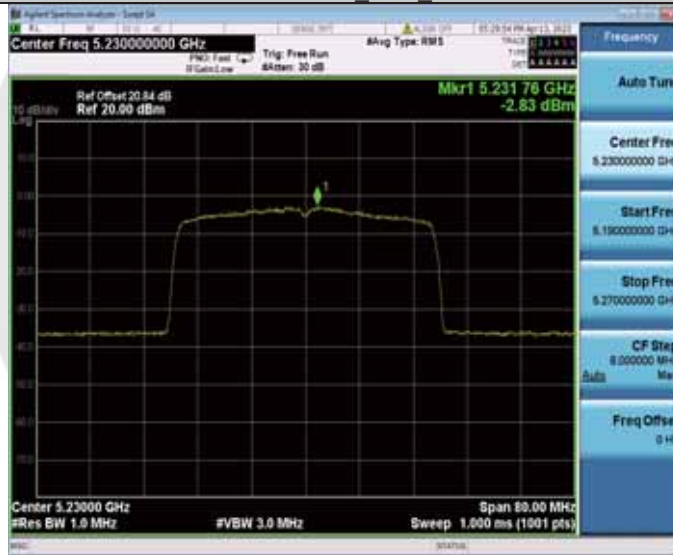
11AX40MIMO\_Ant2\_5190



11AX40MIMO\_Ant1\_5230



11AX40MIMO\_Ant2\_5230



11AX40MIMO\_Ant1\_5270



11AX40MIMO\_Ant2\_5270



11AX40MIMO\_Ant1\_5310



11AX40MIMO\_Ant2\_5310



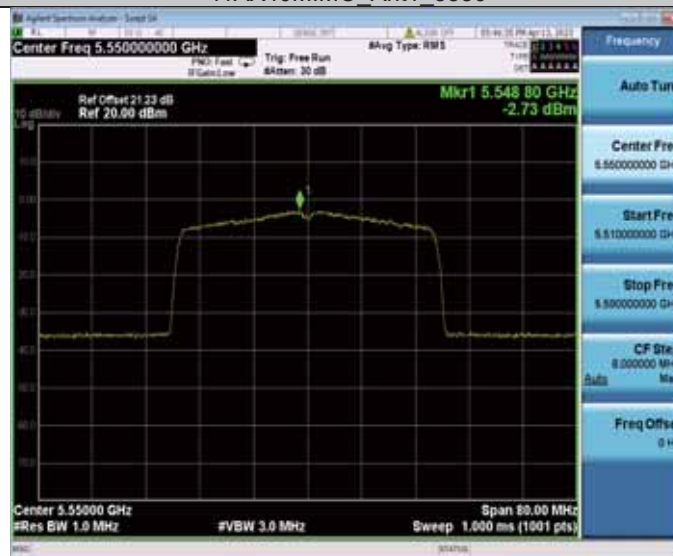
11AX40MIMO\_Ant1\_5510



11AX40MIMO\_Ant2\_5510



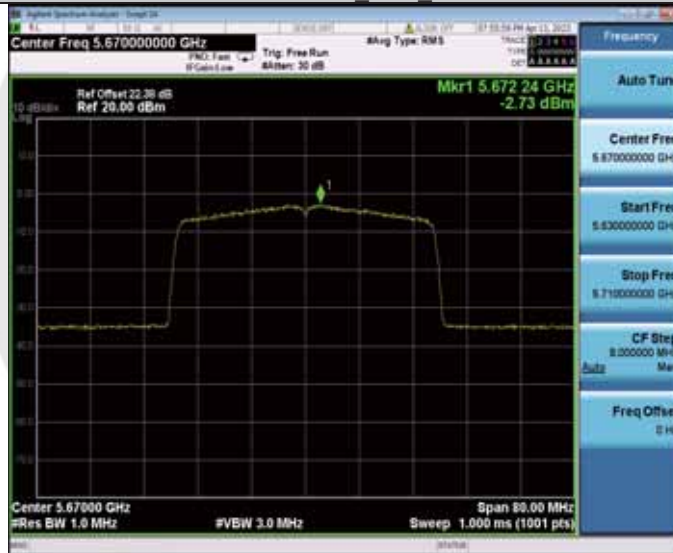
11AX40MIMO\_Ant1\_5550



11AX40MIMO\_Ant2\_5550



11AX40MIMO\_Ant1\_5670



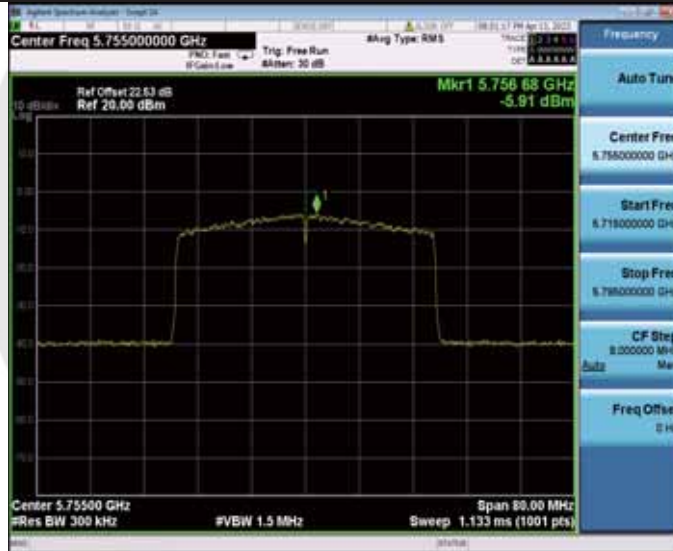
11AX40MIMO\_Ant2\_5670



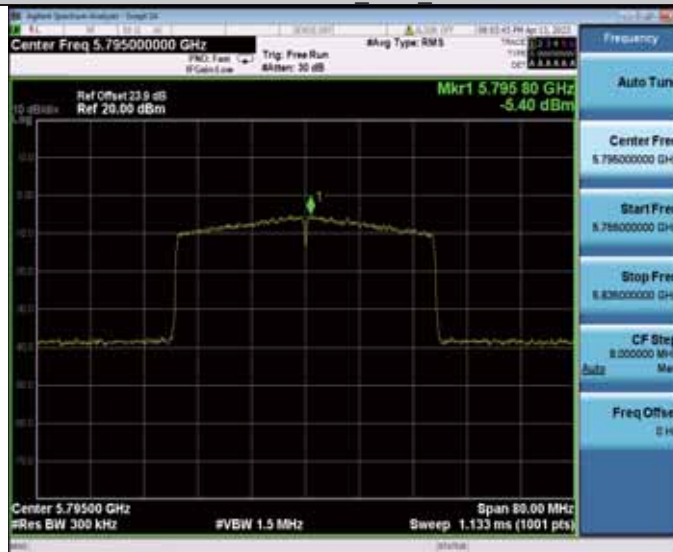
11AX40MIMO Ant1 5755



11AX40MIMO Ant2 5755



11AX40MIMO Ant1 5795



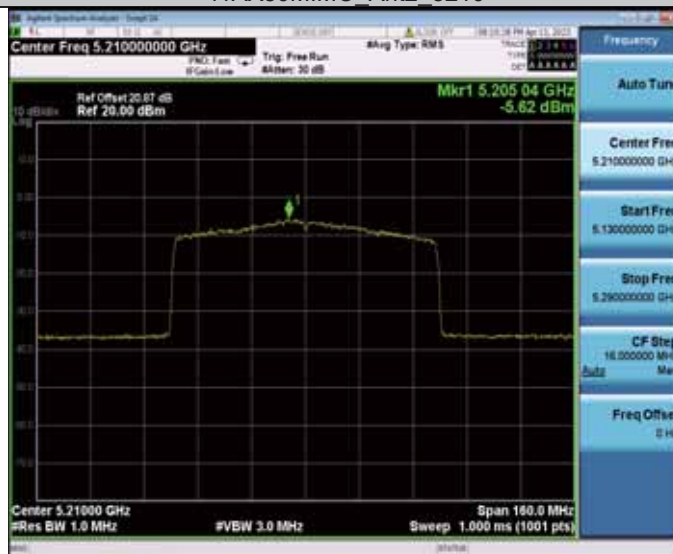
11AX40MIMO Ant2 5795



11AX80MIMO Ant1 5210



11AX80MIMO Ant2 5210



11AX80MIMO Ant1 5290



11AX80MIMO Ant2 5290



11AX80MIMO Ant1 5530





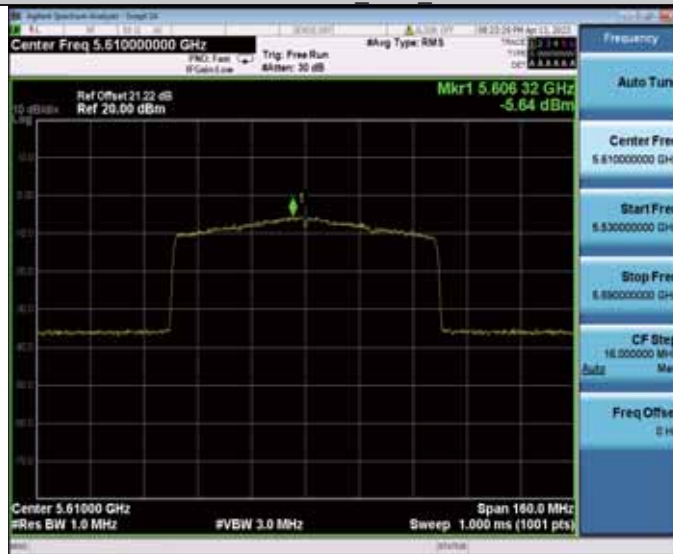
11AX80MIMO Ant2 5530



11AX80MIMO Ant1 5610



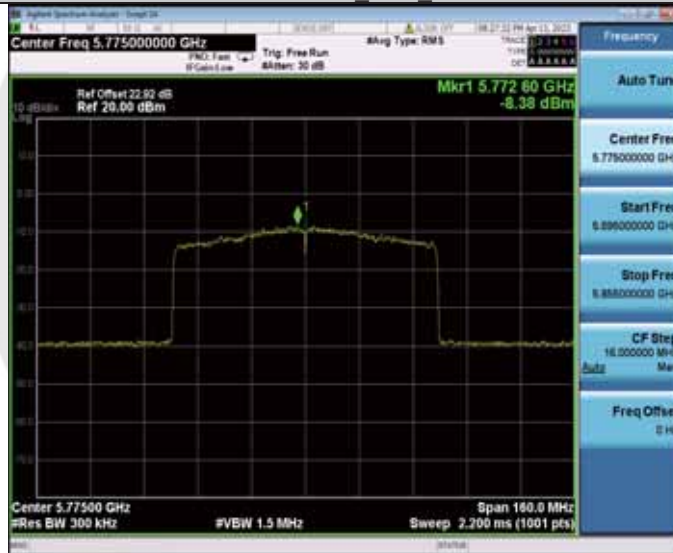
11AX80MIMO Ant2 5610



11AX80MIMO Ant1 5775



11AX80MIMO Ant2 5775



**BL-M8832AU1**

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	-0.31	≤11.00	PASS
	Ant2	5180	0.24	≤11.00	PASS
	Ant1	5200	-0.7	≤11.00	PASS
	Ant2	5200	0.41	≤11.00	PASS
	Ant1	5240	-0.19	≤11.00	PASS
	Ant2	5240	-0.78	≤11.00	PASS
	Ant1	5260	0.06	≤11.00	PASS
	Ant2	5260	0.46	≤11.00	PASS
	Ant1	5280	0.88	≤11.00	PASS
	Ant2	5280	0.26	≤11.00	PASS
	Ant1	5320	-0.17	≤11.00	PASS
	Ant2	5320	-0.25	≤11.00	PASS
	Ant1	5500	-0.1	≤11.00	PASS
	Ant2	5500	-0.07	≤11.00	PASS
	Ant1	5580	0.96	≤11.00	PASS
	Ant2	5580	0.65	≤11.00	PASS
	Ant1	5700	0.85	≤11.00	PASS
	Ant2	5700	1.31	≤11.00	PASS
	Ant1	5745	-2.41	≤30.00	PASS
	Ant2	5745	-2.06	≤30.00	PASS
	Ant1	5785	-1.56	≤30.00	PASS
	Ant2	5785	-1.44	≤30.00	PASS
Ant1	5825	-2.44	≤30.00	PASS	
Ant2	5825	-1.89	≤30.00	PASS	
11N20MIMO	Ant1	5180	-1.56	≤11.00	PASS
	Ant2	5180	-0.27	≤11.00	PASS
	total	5180	2.14	≤11.00	PASS
	Ant1	5200	-1.48	≤11.00	PASS
	Ant2	5200	-0.86	≤11.00	PASS
	total	5200	1.85	≤11.00	PASS
	Ant1	5240	-1.12	≤11.00	PASS
	Ant2	5240	-1.07	≤11.00	PASS
	total	5240	1.92	≤11.00	PASS
	Ant1	5260	-0.64	≤11.00	PASS
	Ant2	5260	-0.57	≤11.00	PASS
	total	5260	2.41	≤11.00	PASS
	Ant1	5280	-0.26	≤11.00	PASS
	Ant2	5280	-0.36	≤11.00	PASS
	total	5280	2.70	≤11.00	PASS
	Ant1	5320	-1.3	≤11.00	PASS
	Ant2	5320	-1.03	≤11.00	PASS
	total	5320	1.85	≤11.00	PASS
	Ant1	5500	-1.28	≤11.00	PASS
	Ant2	5500	0.21	≤11.00	PASS
	total	5500	2.54	≤11.00	PASS
	Ant1	5580	-0.16	≤11.00	PASS
	Ant2	5580	0.46	≤11.00	PASS
	total	5580	3.17	≤11.00	PASS
	Ant1	5700	-0.85	≤11.00	PASS
	Ant2	5700	0.9	≤11.00	PASS
total	5700	3.12	≤11.00	PASS	
Ant1	5745	-3.15	≤30.00	PASS	

	Ant2	5745	-2.37	≤30.00	PASS
	total	5745	0.27	≤30.00	PASS
	Ant1	5785	-2.5	≤30.00	PASS
	Ant2	5785	-2.17	≤30.00	PASS
	total	5785	0.68	≤30.00	PASS
	Ant1	5825	-2.92	≤30.00	PASS
	Ant2	5825	-2.63	≤30.00	PASS
	total	5825	0.24	≤30.00	PASS
11N40MIMO	Ant1	5190	-4.41	≤11.00	PASS
	Ant2	5190	-4	≤11.00	PASS
	total	5190	-1.19	≤11.00	PASS
	Ant1	5230	-4.56	≤11.00	PASS
	Ant2	5230	-4.09	≤11.00	PASS
	total	5230	-1.31	≤11.00	PASS
	Ant1	5270	-3.51	≤11.00	PASS
	Ant2	5270	-3.5	≤11.00	PASS
	total	5270	-0.49	≤11.00	PASS
	Ant1	5310	-4.17	≤11.00	PASS
	Ant2	5310	-4.12	≤11.00	PASS
	total	5310	-1.13	≤11.00	PASS
	Ant1	5510	-3.95	≤11.00	PASS
	Ant2	5510	-3.13	≤11.00	PASS
	total	5510	-0.51	≤11.00	PASS
	Ant1	5550	-3.15	≤11.00	PASS
	Ant2	5550	-2.92	≤11.00	PASS
	total	5550	-0.02	≤11.00	PASS
	Ant1	5670	-2.7	≤11.00	PASS
	Ant2	5670	-2.31	≤11.00	PASS
	total	5670	0.51	≤11.00	PASS
	Ant1	5755	-5.78	≤30.00	PASS
	Ant2	5755	-5.62	≤30.00	PASS
	total	5755	-2.69	≤30.00	PASS
	Ant1	5795	-5.07	≤30.00	PASS
	Ant2	5795	-5.73	≤30.00	PASS
	total	5795	-2.38	≤30.00	PASS
	11AC20MIMO	Ant1	5180	-1.81	≤11.00
Ant2		5180	-0.13	≤11.00	PASS
total		5180	2.12	≤11.00	PASS
Ant1		5200	-1.49	≤11.00	PASS
Ant2		5200	-0.46	≤11.00	PASS
total		5200	2.07	≤11.00	PASS
Ant1		5240	-0.91	≤11.00	PASS
Ant2		5240	-1.3	≤11.00	PASS
total		5240	1.91	≤11.00	PASS
Ant1		5260	-0.54	≤11.00	PASS
Ant2		5260	-0.74	≤11.00	PASS
total		5260	2.37	≤11.00	PASS
Ant1		5280	-0.46	≤11.00	PASS
Ant2		5280	-0.35	≤11.00	PASS
total		5280	2.61	≤11.00	PASS
Ant1		5320	-1.33	≤11.00	PASS
Ant2		5320	-0.92	≤11.00	PASS
total		5320	1.89	≤11.00	PASS
Ant1		5500	-1.25	≤11.00	PASS
Ant2		5500	0.07	≤11.00	PASS

	total	5500	2.47	≤11.00	PASS
	Ant1	5580	0.45	≤11.00	PASS
	Ant2	5580	0.99	≤11.00	PASS
	total	5580	3.74	≤11.00	PASS
	Ant1	5700	-0.82	≤11.00	PASS
	Ant2	5700	1.16	≤11.00	PASS
	total	5700	3.29	≤11.00	PASS
	Ant1	5745	-2.81	≤30.00	PASS
	Ant2	5745	-2.61	≤30.00	PASS
	total	5745	0.30	≤30.00	PASS
	Ant1	5785	-2.4	≤30.00	PASS
	Ant2	5785	-2.25	≤30.00	PASS
	total	5785	0.69	≤30.00	PASS
	Ant1	5825	-2.99	≤30.00	PASS
	Ant2	5825	-2.36	≤30.00	PASS
	total	5825	0.35	≤30.00	PASS
	Ant1	5190	-4.41	≤11.00	PASS
	Ant2	5190	-4.11	≤11.00	PASS
	total	5190	-1.25	≤11.00	PASS
	Ant1	5230	-3.74	≤11.00	PASS
	Ant2	5230	-4.29	≤11.00	PASS
	total	5230	-1.00	≤11.00	PASS
	Ant1	5270	-3.03	≤11.00	PASS
	Ant2	5270	-3.75	≤11.00	PASS
	total	5270	-0.36	≤11.00	PASS
	Ant1	5310	-4.1	≤11.00	PASS
	Ant2	5310	-3.87	≤11.00	PASS
	total	5310	-0.97	≤11.00	PASS
	Ant1	5510	-3.72	≤11.00	PASS
	Ant2	5510	-3.1	≤11.00	PASS
	total	5510	-0.39	≤11.00	PASS
	Ant1	5550	-3.34	≤11.00	PASS
	Ant2	5550	-2.49	≤11.00	PASS
	total	5550	0.12	≤11.00	PASS
	Ant1	5670	-2.9	≤11.00	PASS
	Ant2	5670	-2.41	≤11.00	PASS
	total	5670	0.36	≤11.00	PASS
	Ant1	5755	-5.95	≤30.00	PASS
	Ant2	5755	-5.99	≤30.00	PASS
	total	5755	-2.96	≤30.00	PASS
	Ant1	5795	-5.49	≤30.00	PASS
	Ant2	5795	-5.21	≤30.00	PASS
	total	5795	-2.34	≤30.00	PASS
	Ant1	5210	-6.73	≤11.00	PASS
	Ant2	5210	-6.17	≤11.00	PASS
	total	5210	-3.43	≤11.00	PASS
	Ant1	5290	-6.48	≤11.00	PASS
	Ant2	5290	-6.82	≤11.00	PASS
	total	5290	-3.64	≤11.00	PASS
	Ant1	5530	-6.58	≤11.00	PASS
	Ant2	5530	-4.71	≤11.00	PASS
	total	5530	-2.53	≤11.00	PASS
	Ant1	5610	-4.83	≤11.00	PASS
	Ant2	5610	-6.27	≤11.00	PASS
	total	5610	-2.48	≤11.00	PASS

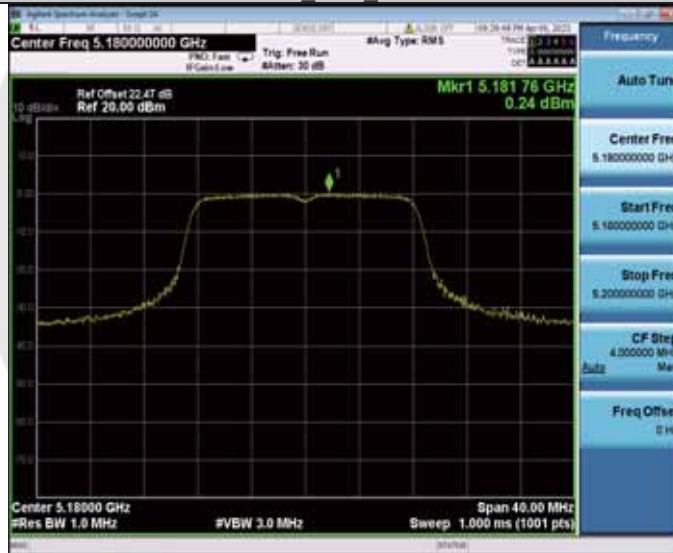
	Ant1	5775	-8.4	≤30.00	PASS
	Ant2	5775	-7.17	≤30.00	PASS
	total	5775	-4.73	≤30.00	PASS
11AX20MIMO	Ant1	5180	-1.78	≤11.00	PASS
	Ant2	5180	-0.75	≤11.00	PASS
	total	5180	1.78	≤11.00	PASS
	Ant1	5200	-1.89	≤11.00	PASS
	Ant2	5200	-0.62	≤11.00	PASS
	total	5200	1.80	≤11.00	PASS
	Ant1	5240	-1.15	≤11.00	PASS
	Ant2	5240	-0.98	≤11.00	PASS
	total	5240	1.95	≤11.00	PASS
	Ant1	5260	-0.46	≤11.00	PASS
	Ant2	5260	-0.33	≤11.00	PASS
	total	5260	2.62	≤11.00	PASS
	Ant1	5280	-0.51	≤11.00	PASS
	Ant2	5280	-0.7	≤11.00	PASS
	total	5280	2.41	≤11.00	PASS
	Ant1	5320	-1.38	≤11.00	PASS
	Ant2	5320	-0.92	≤11.00	PASS
	total	5320	1.87	≤11.00	PASS
	Ant1	5500	-1.07	≤11.00	PASS
	Ant2	5500	-0.4	≤11.00	PASS
	total	5500	2.29	≤11.00	PASS
	Ant1	5580	-0.28	≤11.00	PASS
	Ant2	5580	0.85	≤11.00	PASS
	total	5580	3.33	≤11.00	PASS
	Ant1	5700	-0.6	≤11.00	PASS
	Ant2	5700	0.4	≤11.00	PASS
	total	5700	2.94	≤11.00	PASS
	Ant1	5745	-2.84	≤30.00	PASS
	Ant2	5745	-2.65	≤30.00	PASS
	total	5745	0.27	≤30.00	PASS
	Ant1	5785	-3.01	≤30.00	PASS
	Ant2	5785	-1.97	≤30.00	PASS
	total	5785	0.55	≤30.00	PASS
Ant1	5825	-3.43	≤30.00	PASS	
Ant2	5825	-2.86	≤30.00	PASS	
total	5825	-0.13	≤30.00	PASS	
11AX40MIMO	Ant1	5190	-4.3	≤11.00	PASS
	Ant2	5190	-3.51	≤11.00	PASS
	total	5190	-0.88	≤11.00	PASS
	Ant1	5230	-3.96	≤11.00	PASS
	Ant2	5230	-4.83	≤11.00	PASS
	total	5230	-1.36	≤11.00	PASS
	Ant1	5270	-3.66	≤11.00	PASS
	Ant2	5270	-3.28	≤11.00	PASS
	total	5270	-0.46	≤11.00	PASS
	Ant1	5310	-4.2	≤11.00	PASS
	Ant2	5310	-3.89	≤11.00	PASS
	total	5310	-1.03	≤11.00	PASS
	Ant1	5510	-3.82	≤11.00	PASS
	Ant2	5510	-2.89	≤11.00	PASS
	total	5510	-0.32	≤11.00	PASS
	Ant1	5550	-3.42	≤11.00	PASS

	Ant2	5550	-2.51	≤11.00	PASS
	total	5550	0.07	≤11.00	PASS
	Ant1	5670	-3.26	≤11.00	PASS
	Ant2	5670	-2.36	≤11.00	PASS
	total	5670	0.22	≤11.00	PASS
	Ant1	5755	-5.57	≤30.00	PASS
	Ant2	5755	-5.59	≤30.00	PASS
	total	5755	-2.57	≤30.00	PASS
	Ant1	5795	-5.23	≤30.00	PASS
	Ant2	5795	-5.08	≤30.00	PASS
	total	5795	-2.14	≤30.00	PASS
11AX80MIMO	Ant1	5210	-6.46	≤11.00	PASS
	Ant2	5210	-6.22	≤11.00	PASS
	total	5210	-3.33	≤11.00	PASS
	Ant1	5290	-5.97	≤11.00	PASS
	Ant2	5290	-6.64	≤11.00	PASS
	total	5290	-3.28	≤11.00	PASS
	Ant1	5530	-6.02	≤11.00	PASS
	Ant2	5530	-4.81	≤11.00	PASS
	total	5530	-2.36	≤11.00	PASS
	Ant1	5610	-5.22	≤11.00	PASS
	Ant2	5610	-4.85	≤11.00	PASS
	total	5610	-2.02	≤11.00	PASS
	Ant1	5775	-7.52	≤30.00	PASS
	Ant2	5775	-7.23	≤30.00	PASS
	total	5775	-4.36	≤30.00	PASS

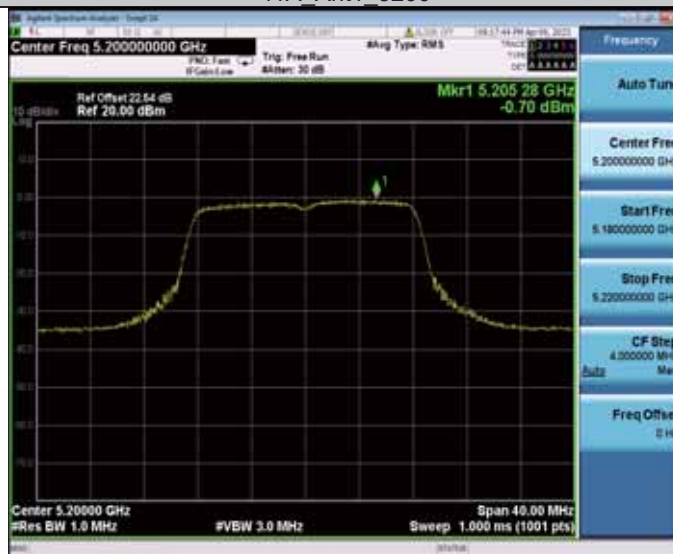
11A\_Ant1\_5180



11A\_Ant2\_5180



11A\_Ant1\_5200





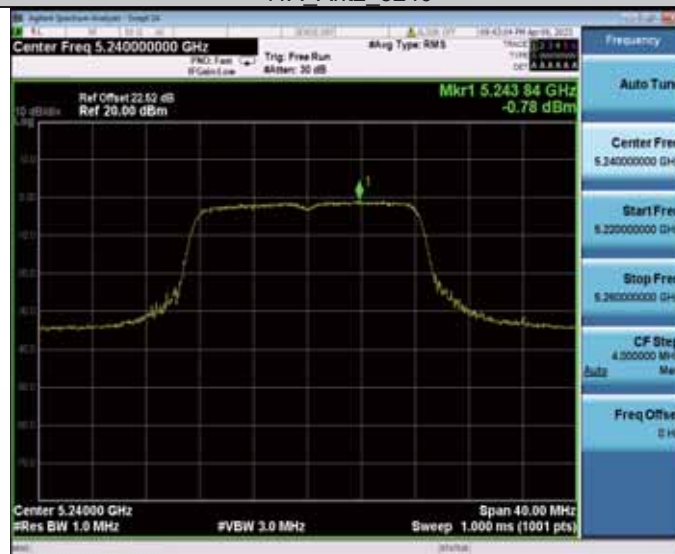
11A\_Ant2\_5200



11A\_Ant1\_5240



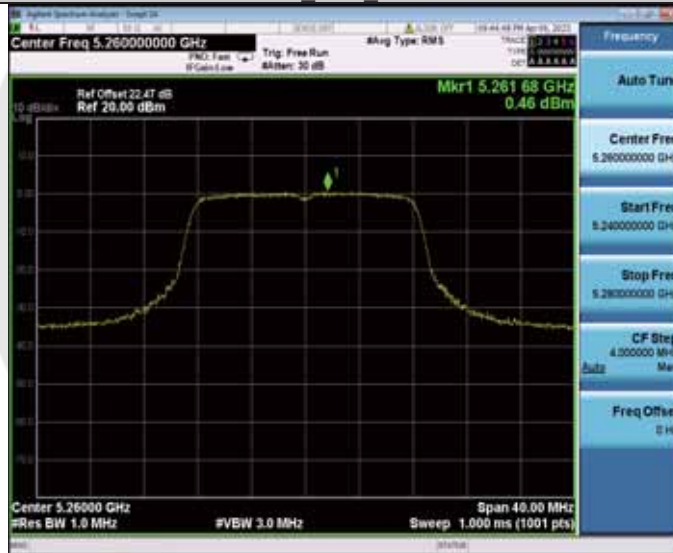
11A\_Ant2\_5240



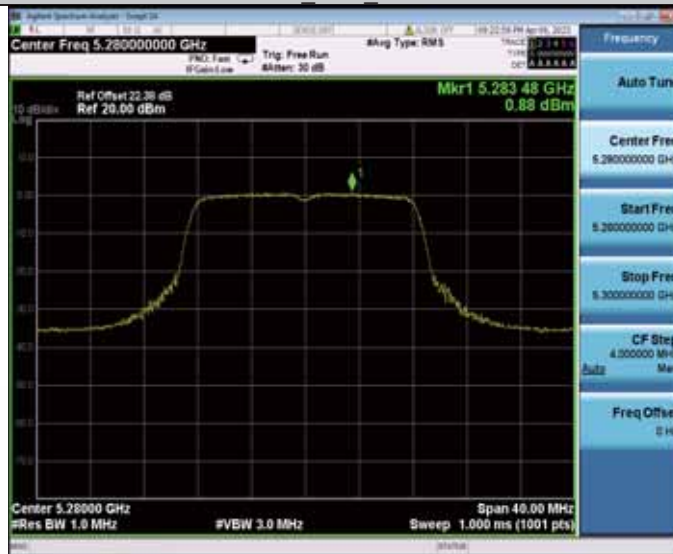
11A\_Ant1\_5260



11A\_Ant2\_5260



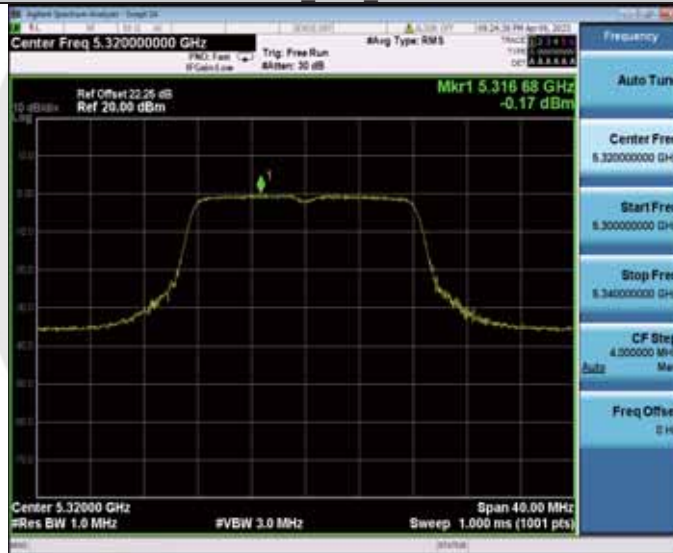
11A\_Ant1\_5280



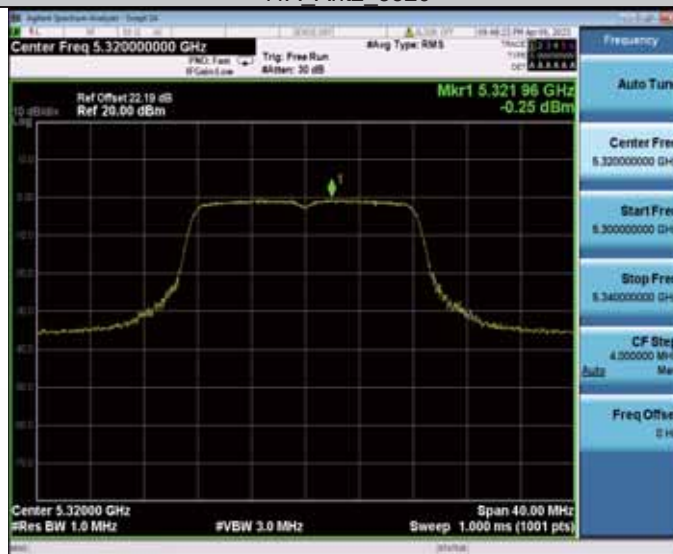
11A\_Ant2\_5280



11A\_Ant1\_5320



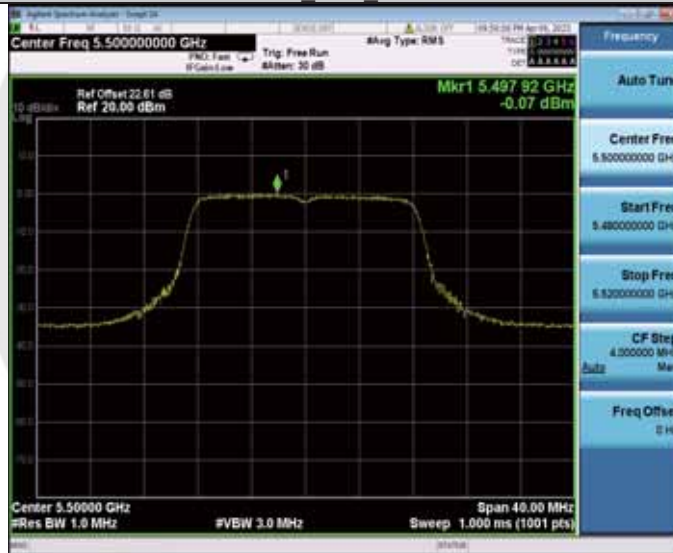
11A\_Ant2\_5320



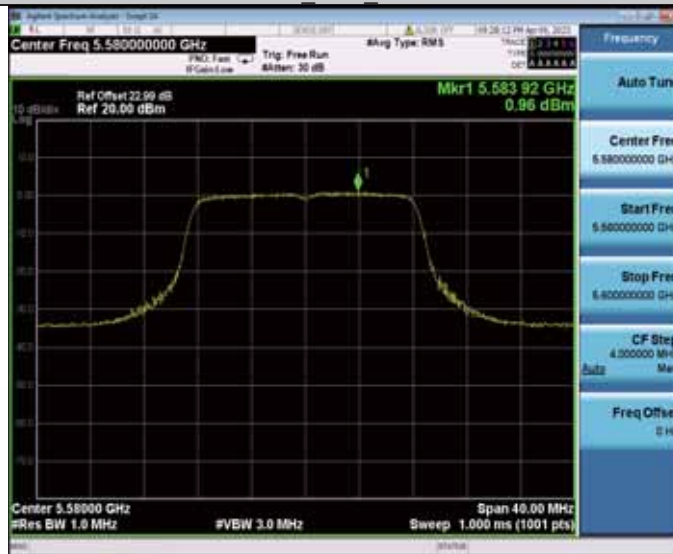
11A\_Ant1\_5500



11A\_Ant2\_5500



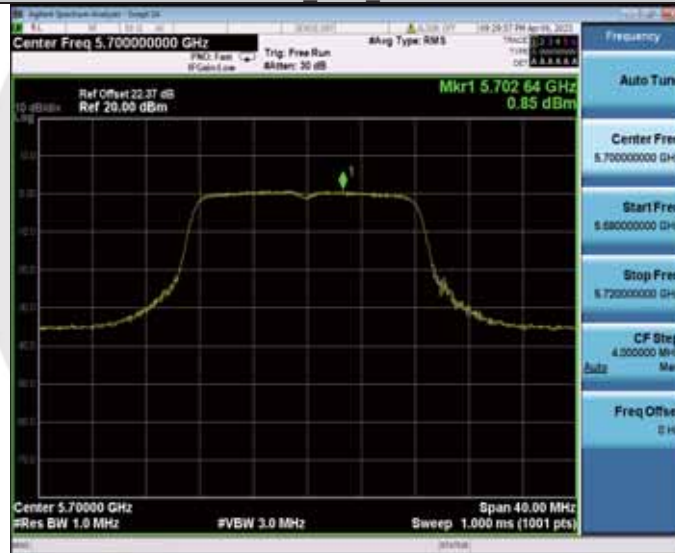
11A\_Ant1\_5580



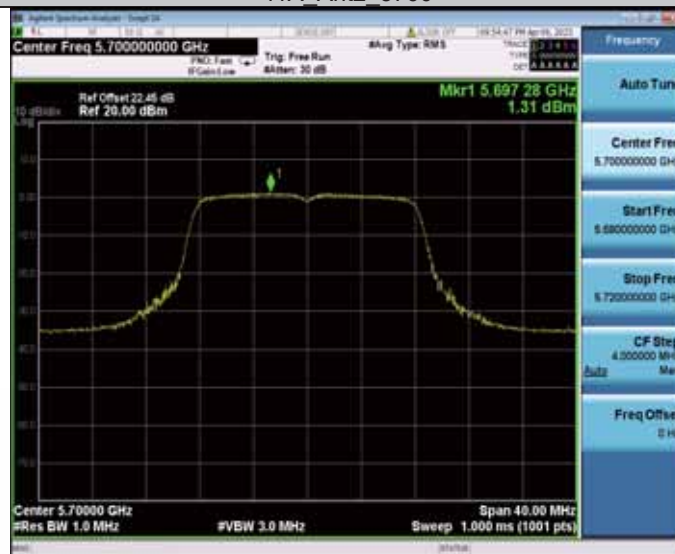
11A\_Ant2\_5580



11A\_Ant1\_5700



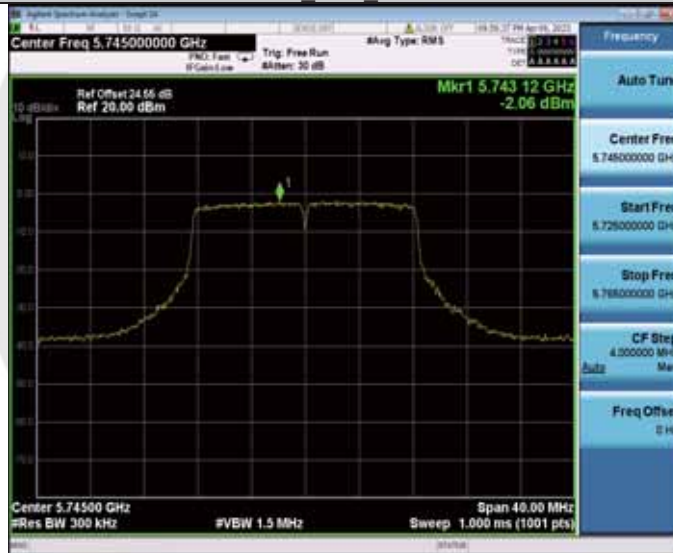
11A\_Ant2\_5700



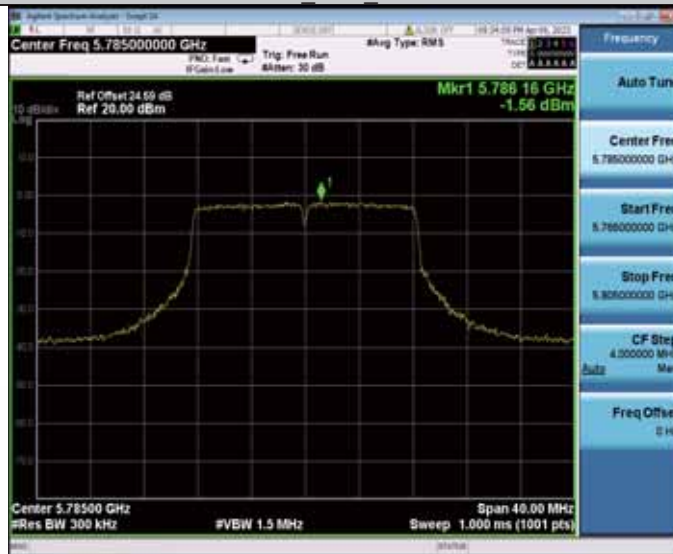
11A\_Ant1\_5745



11A\_Ant2\_5745



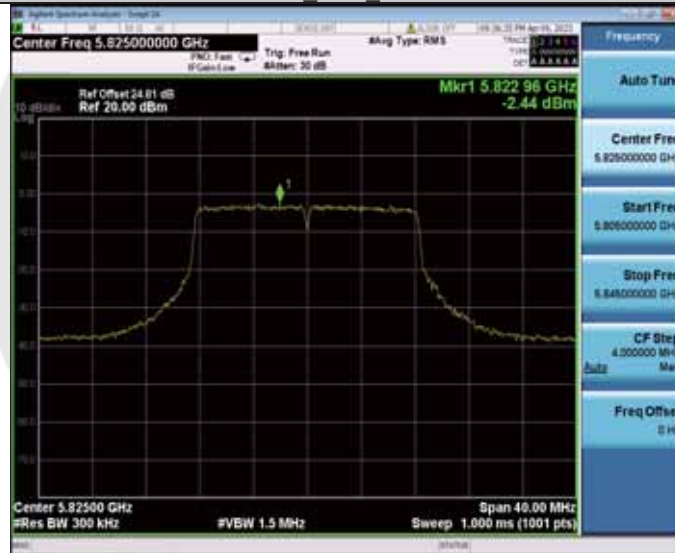
11A\_Ant1\_5785



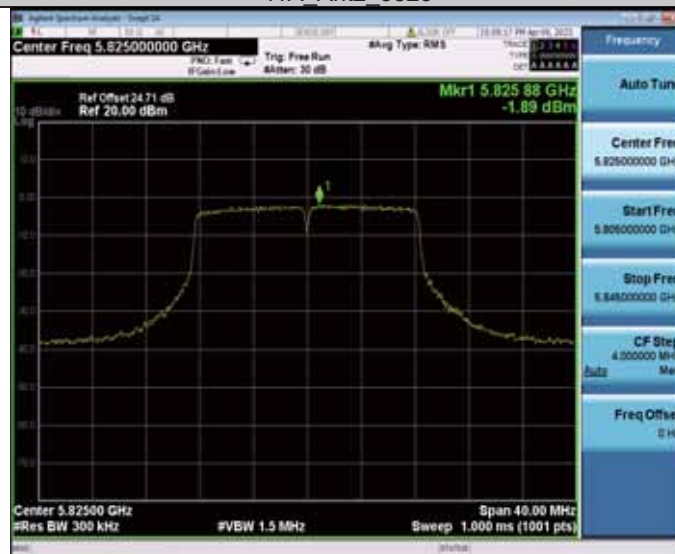
11A\_Ant2\_5785



11A\_Ant1\_5825



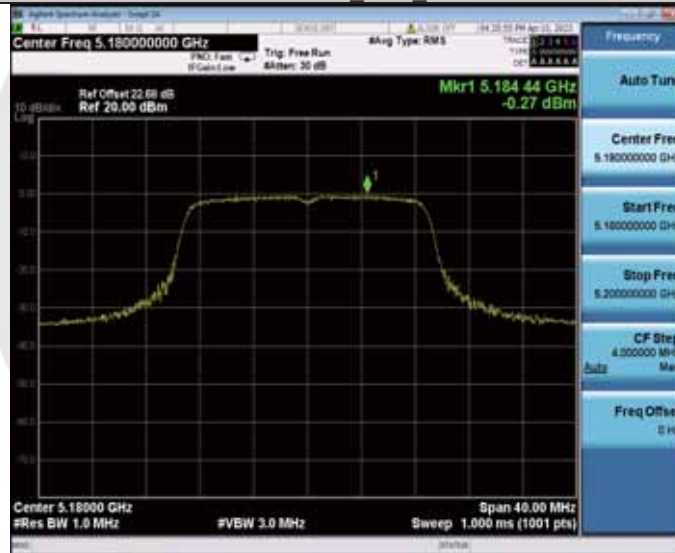
11A\_Ant2\_5825



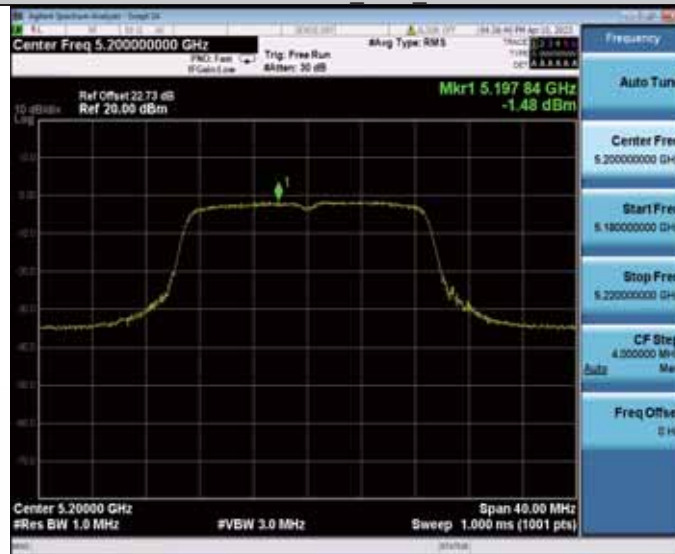
11N20MIMO\_Ant1\_5180



11N20MIMO\_Ant2\_5180



11N20MIMO\_Ant1\_5200





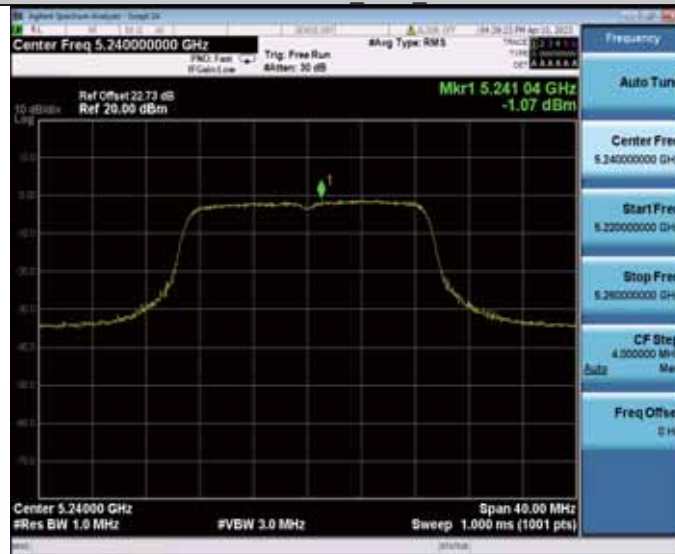
11N20MIMO\_Ant2\_5200



11N20MIMO\_Ant1\_5240



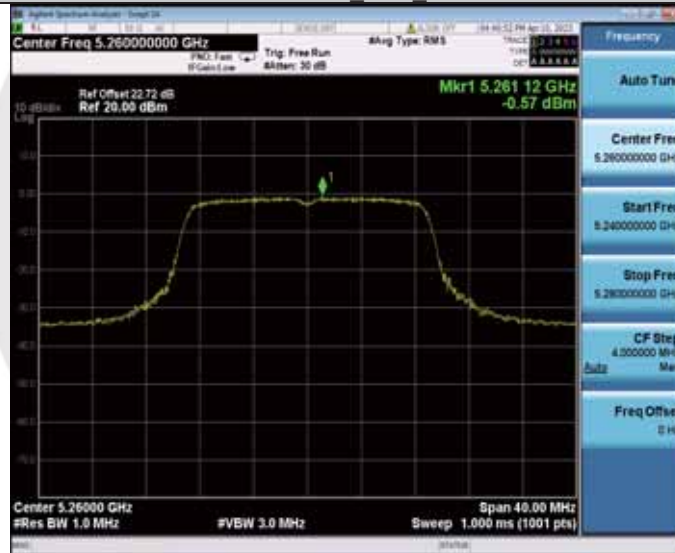
11N20MIMO\_Ant2\_5240



11N20MIMO\_Ant1\_5260



11N20MIMO\_Ant2\_5260



11N20MIMO\_Ant1\_5280



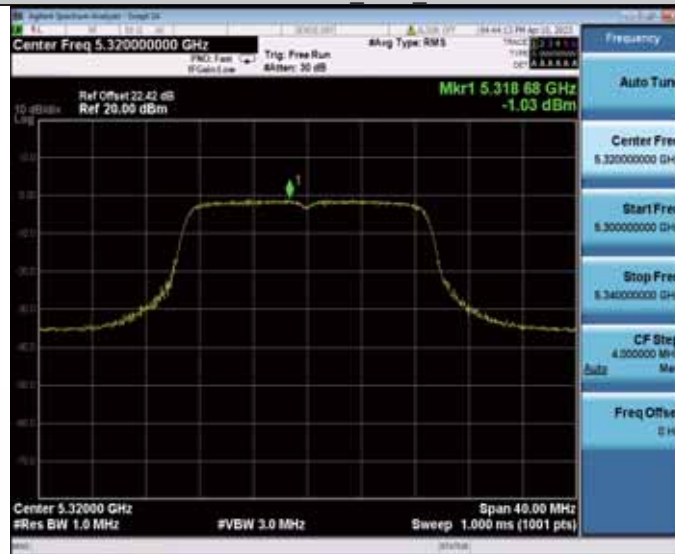
11N20MIMO\_Ant2\_5280



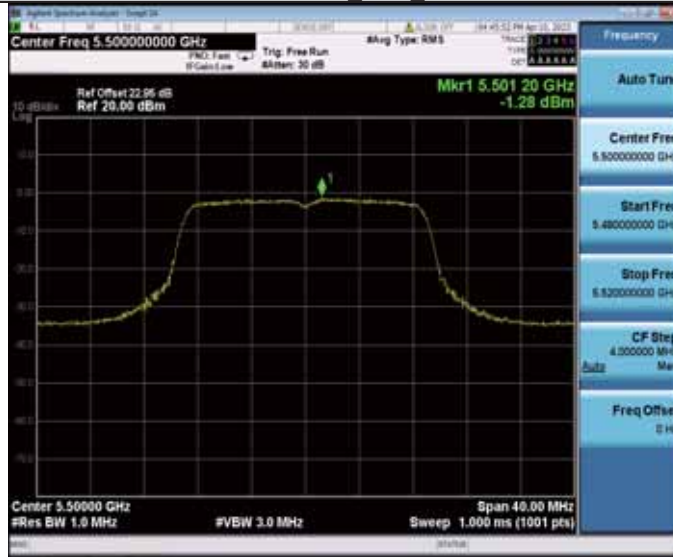
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11N20MIMO\_Ant2\_5320



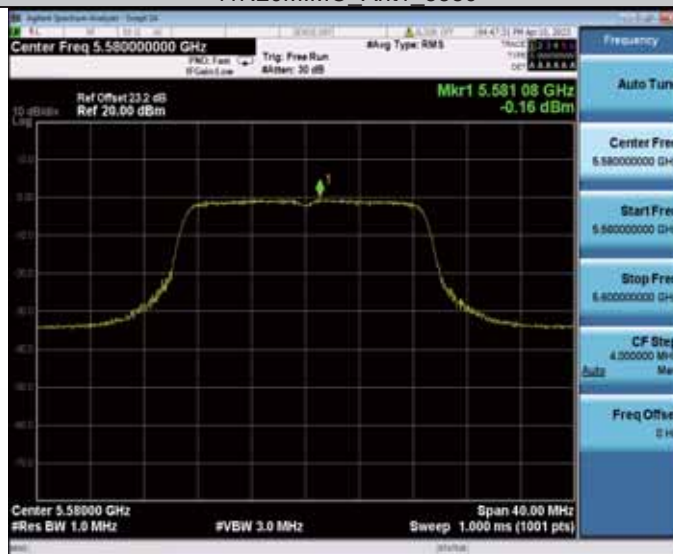
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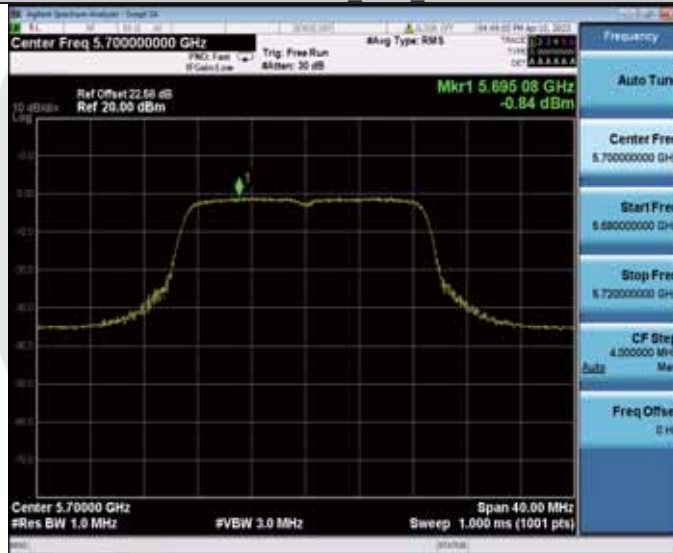
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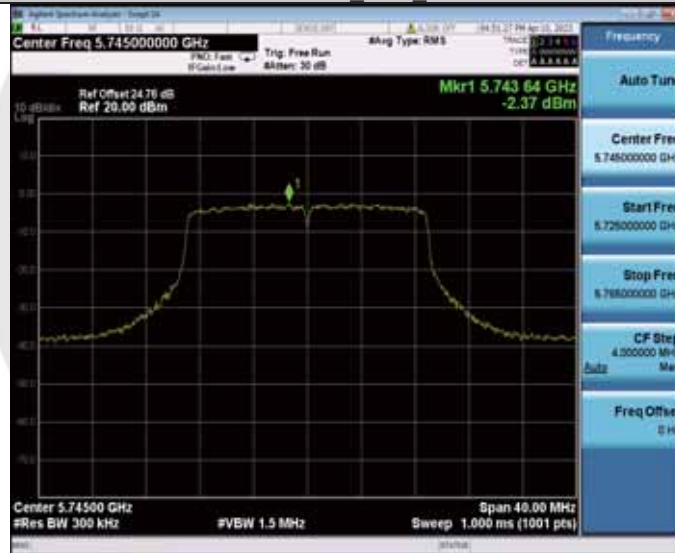
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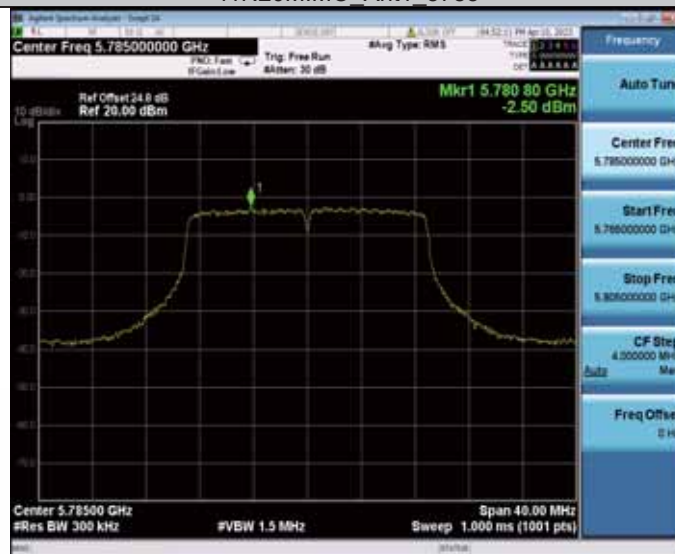
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11N40MIMO\_Ant2\_5190



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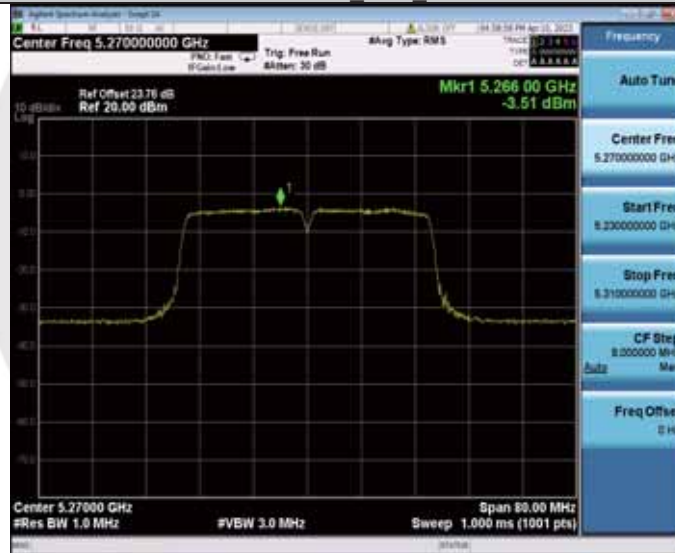




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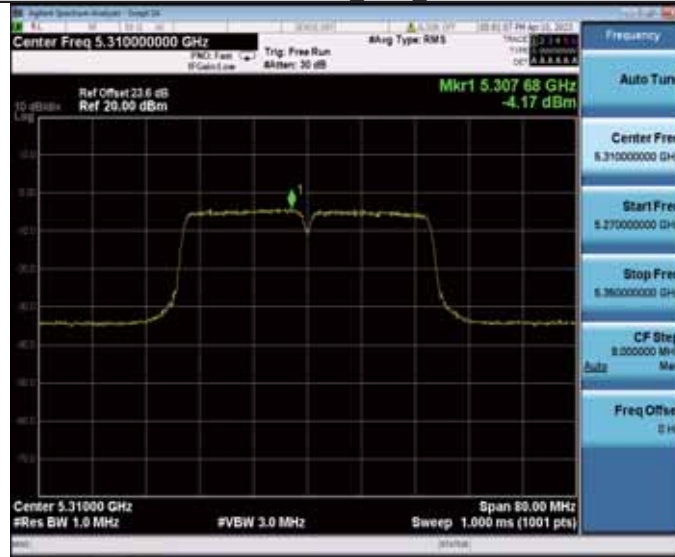
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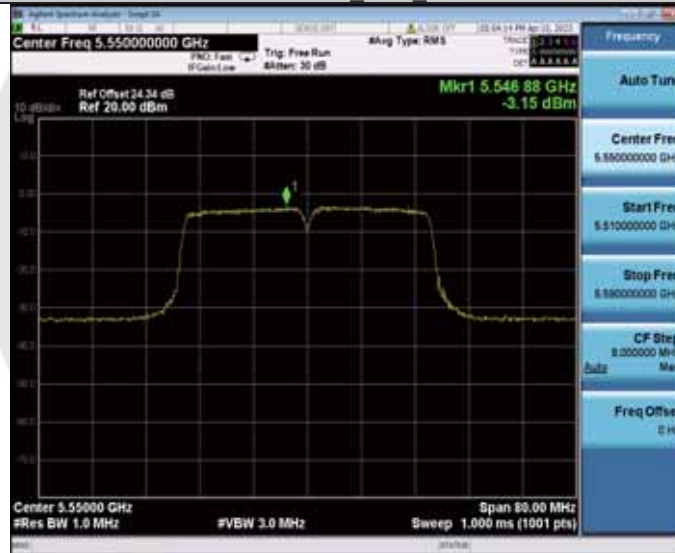
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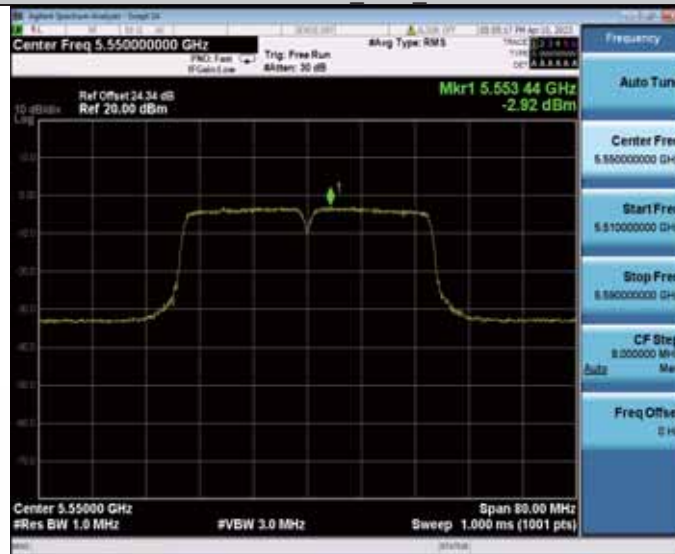
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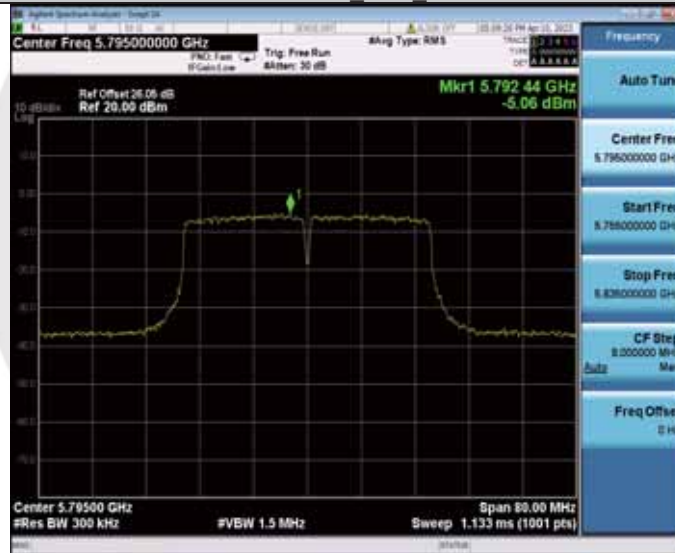
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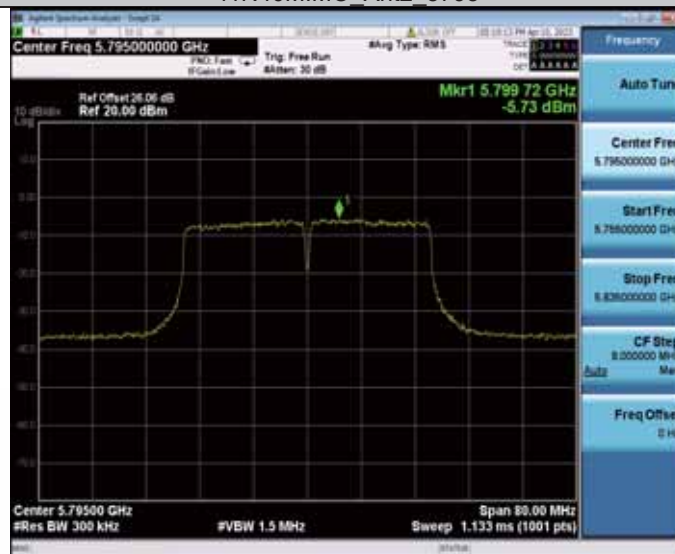
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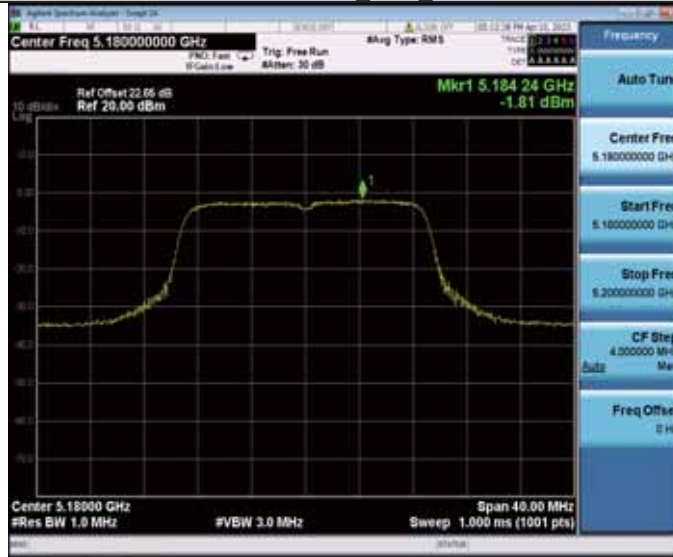
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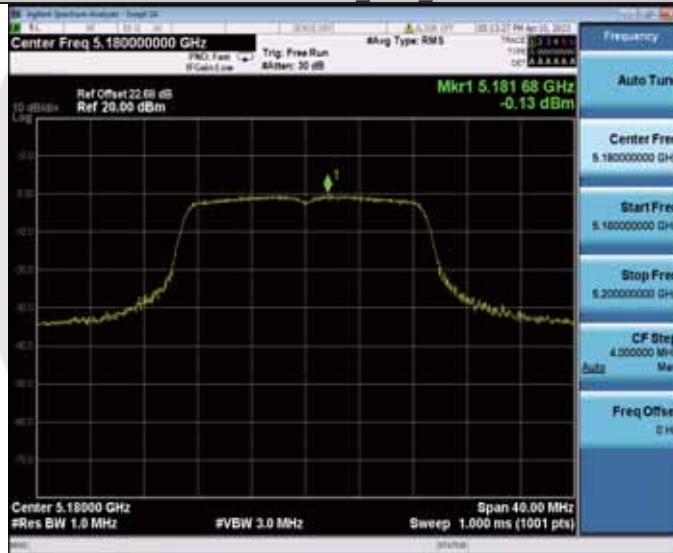
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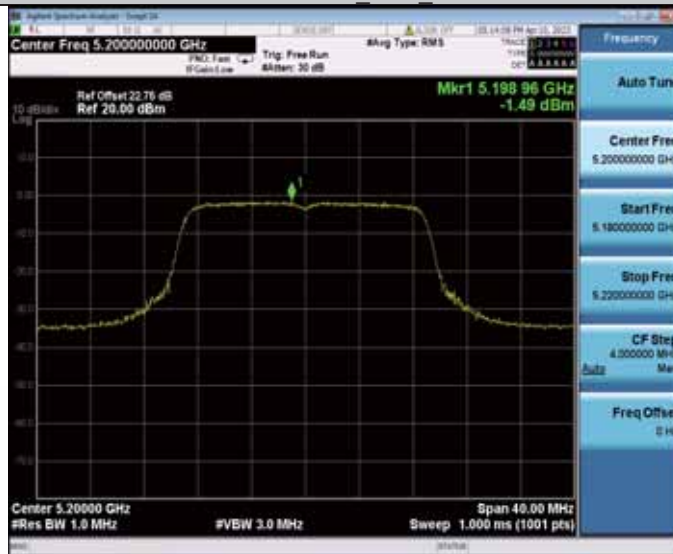
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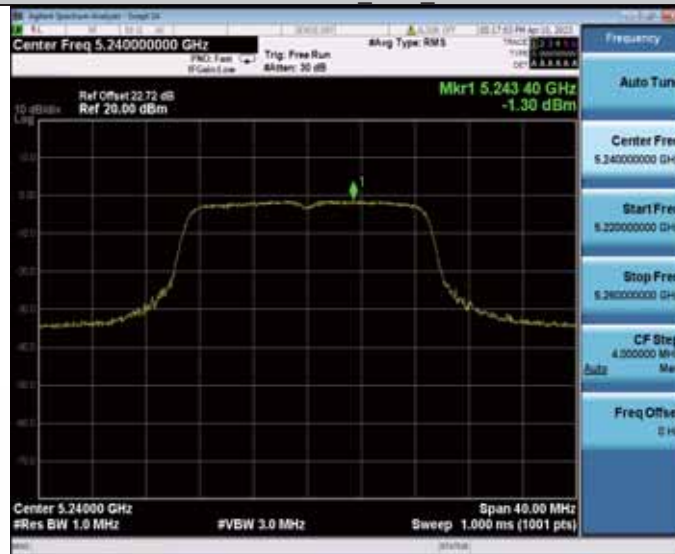
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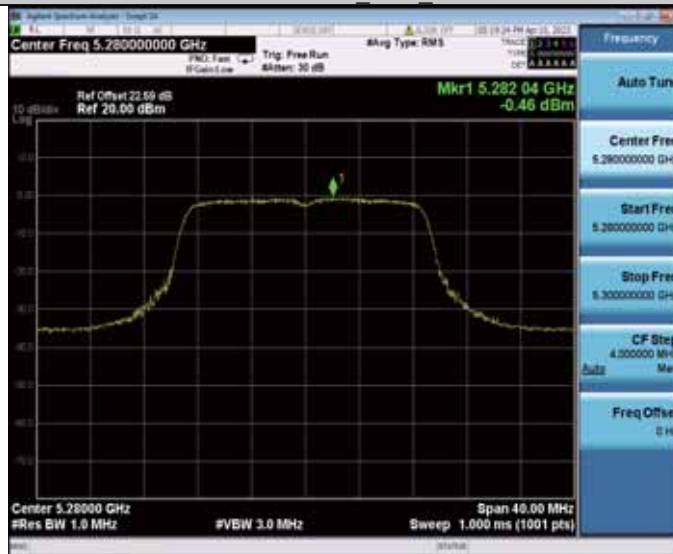
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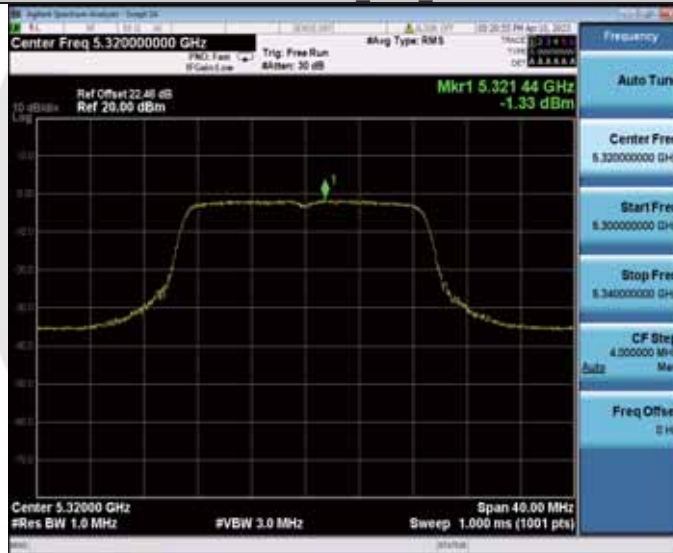




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11AC20MIMO Ant1 5320



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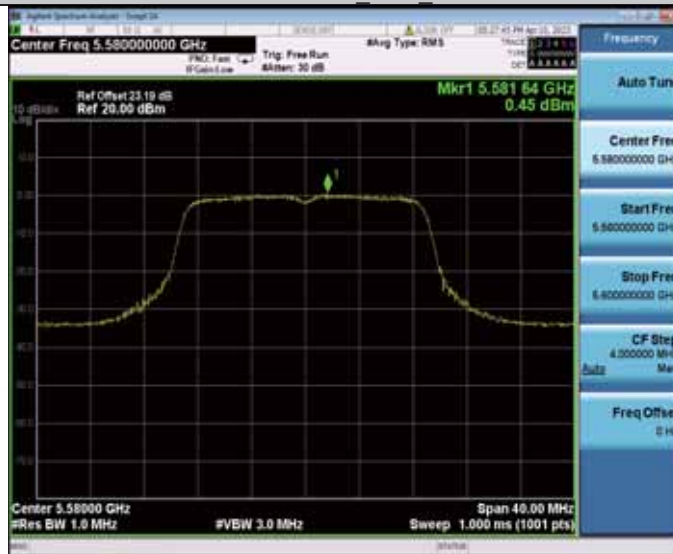
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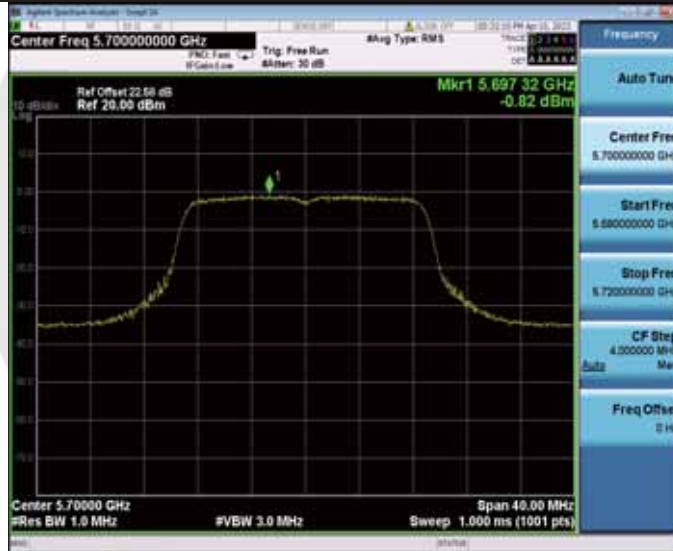
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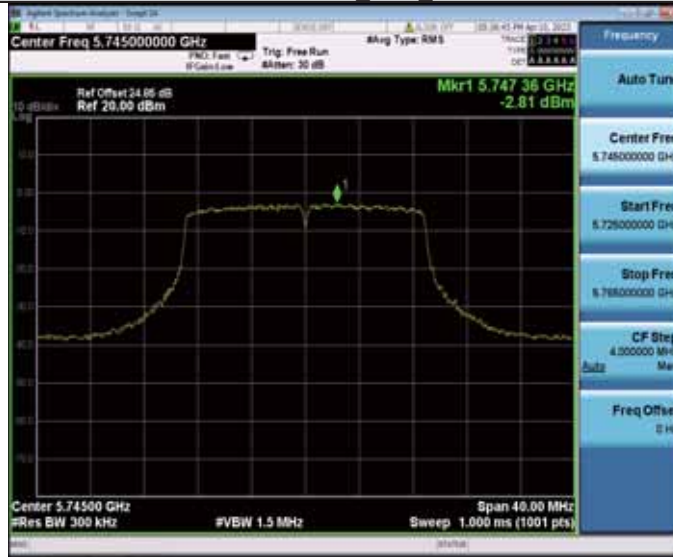
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11AC20MIMO Ant2 5700



11AC20MIMO Ant1 5745



11AC20MIMO Ant2 5745



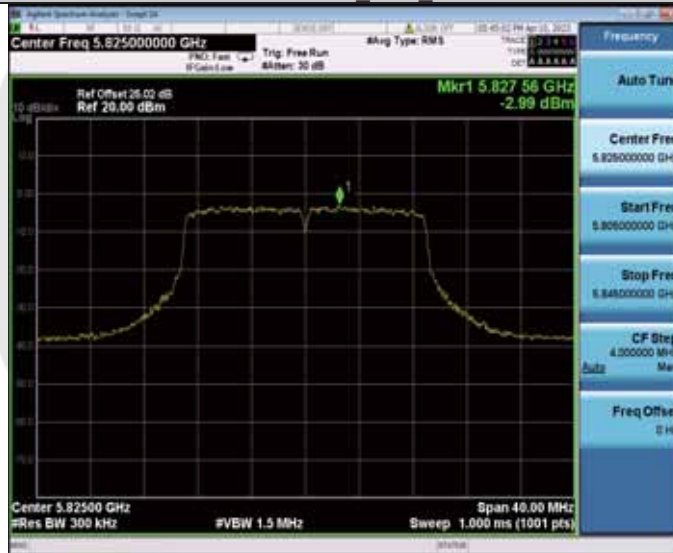
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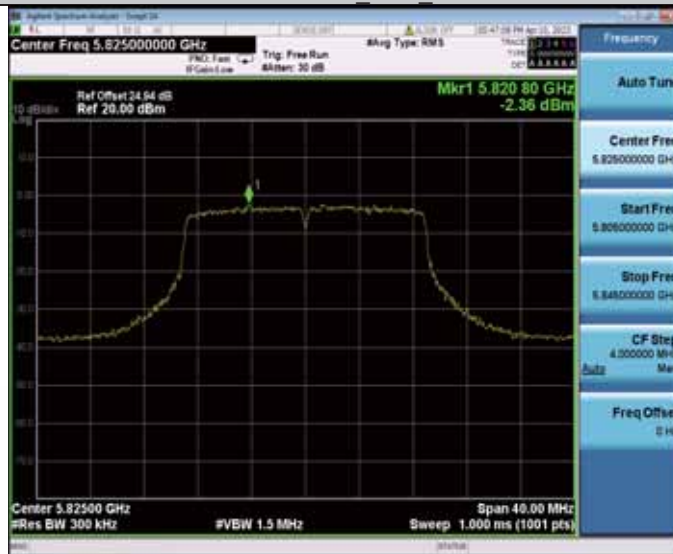
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11AC20MIMO Ant1 5825



11AC20MIMO Ant2 5825



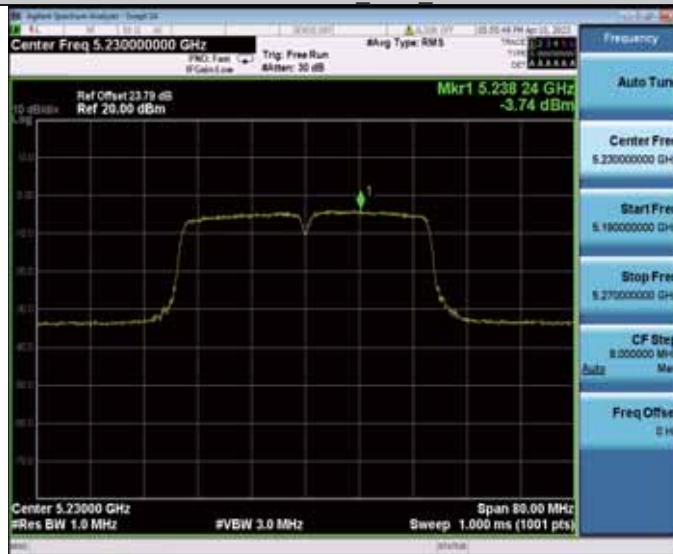
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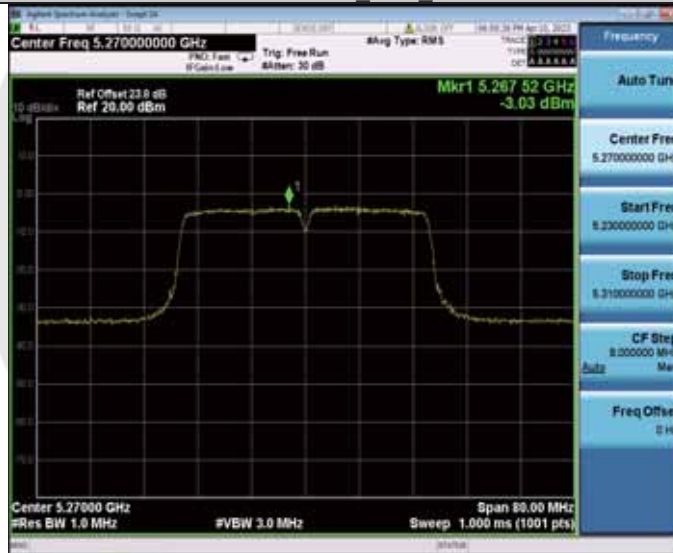
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11AC40MIMO Ant2 5230



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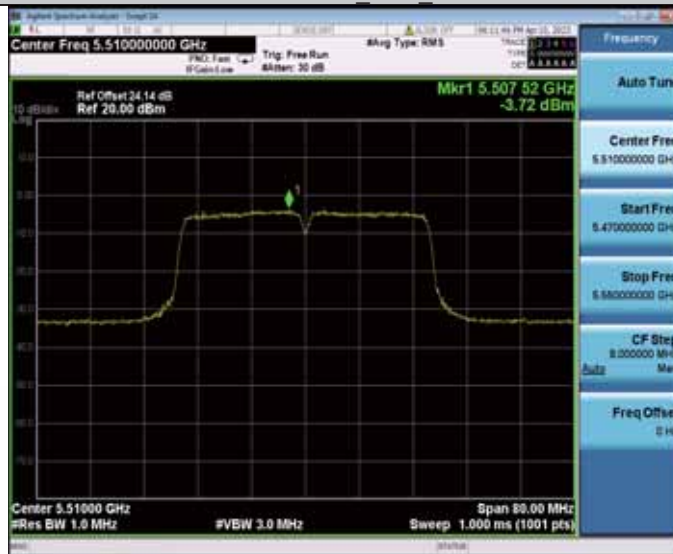
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11AC40MIMO Ant1 5510





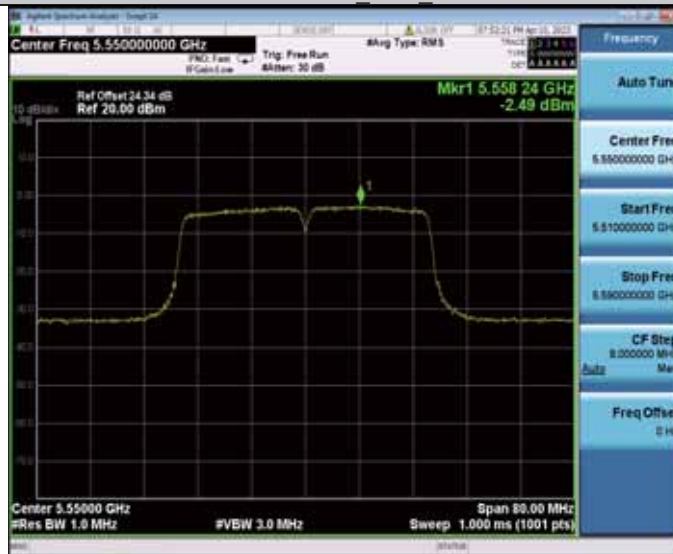
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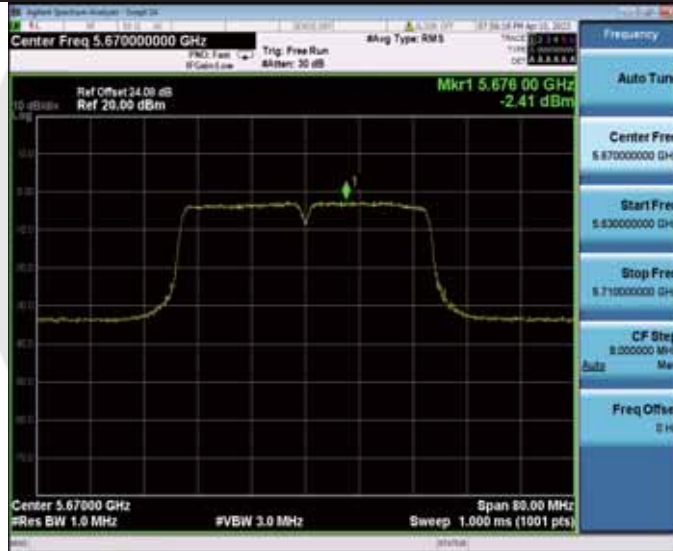
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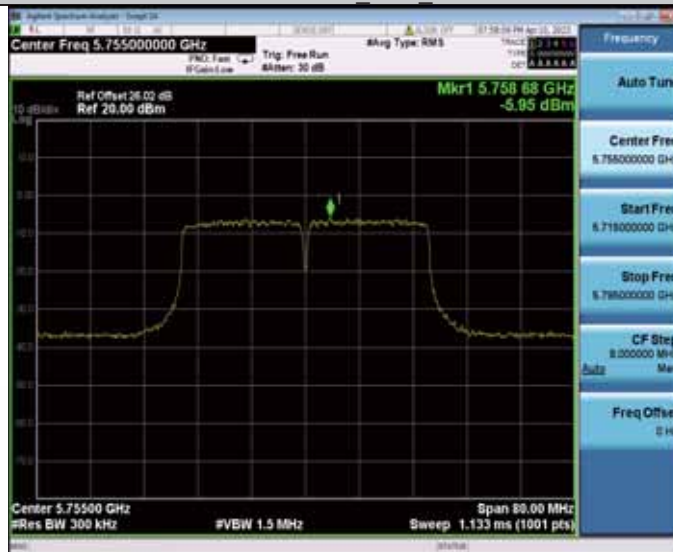
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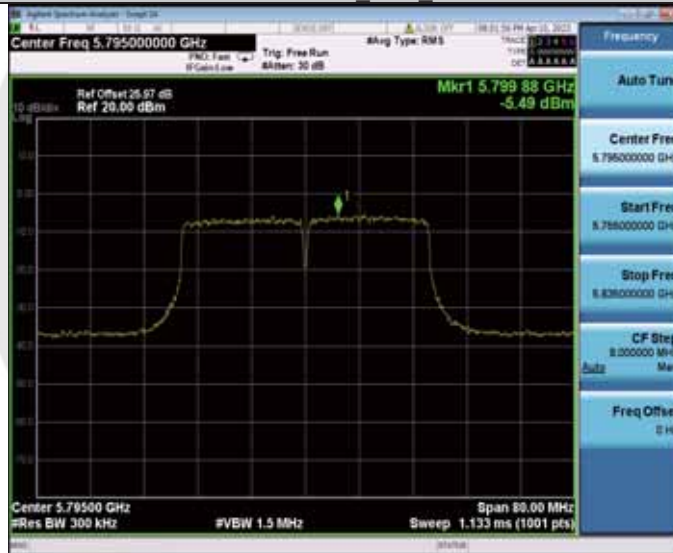
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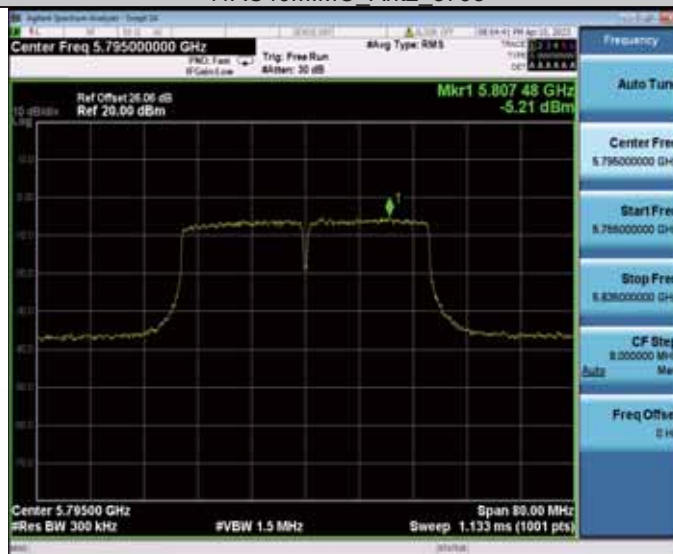
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11AC40MIMO Ant1 5795



11AC40MIMO Ant2 5795



11AC80MIMO Ant1 5210



11AC80MIMO Ant2 5210



11AC80MIMO Ant1 5290



11AC80MIMO Ant2 5290



11AC80MIMO Ant1 5530



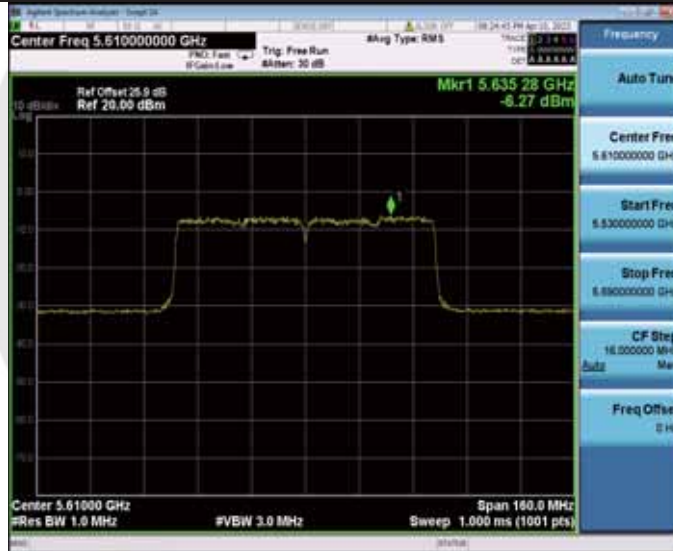
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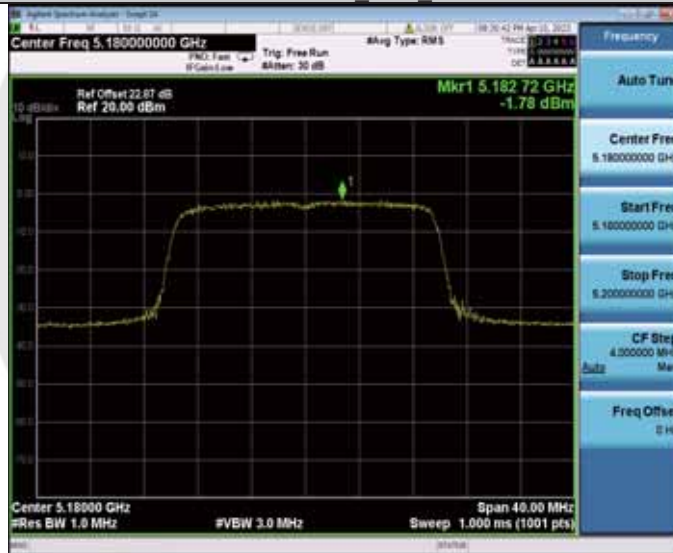
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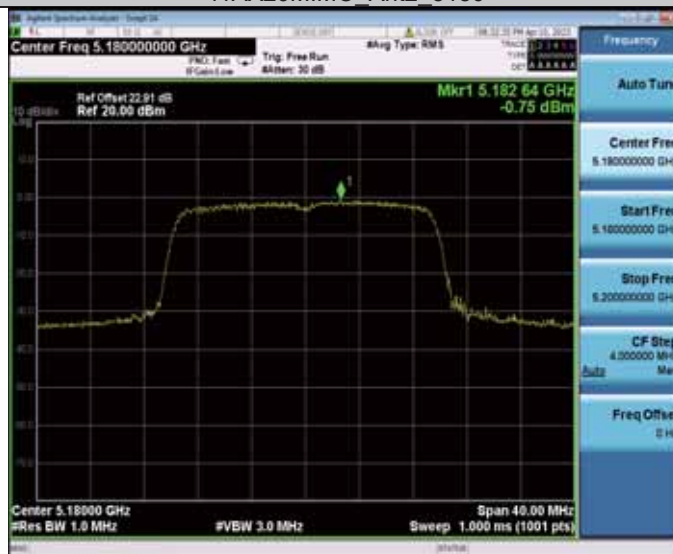
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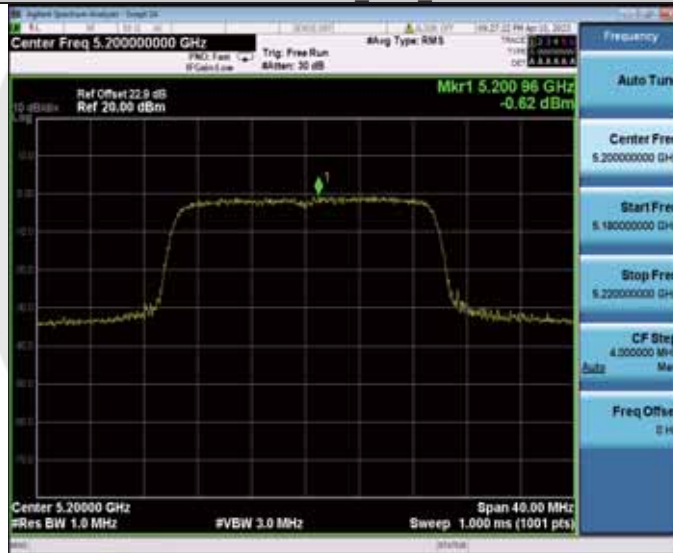
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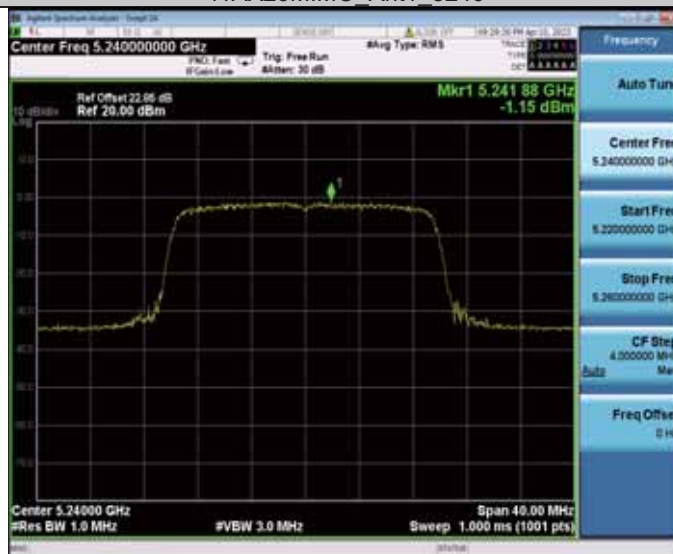
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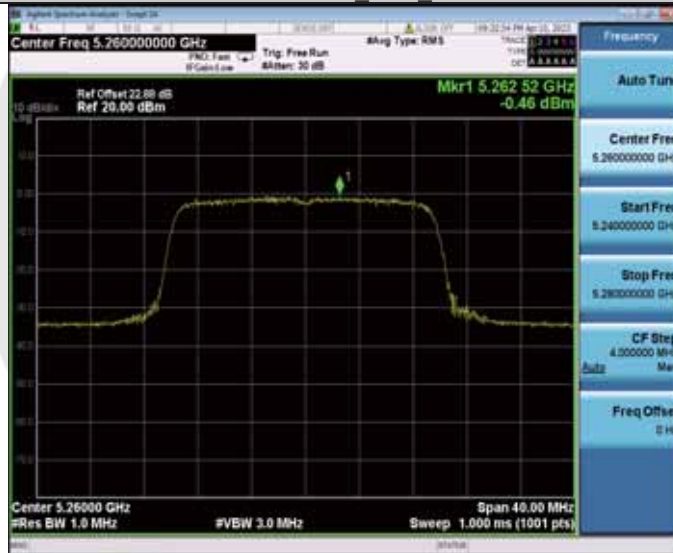




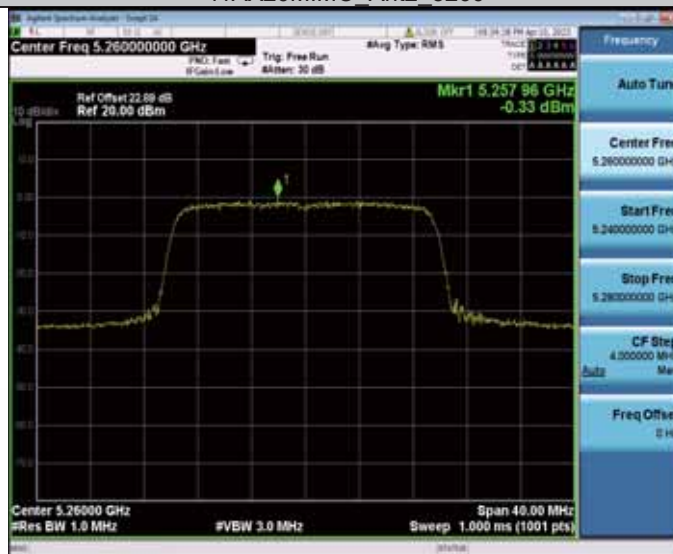
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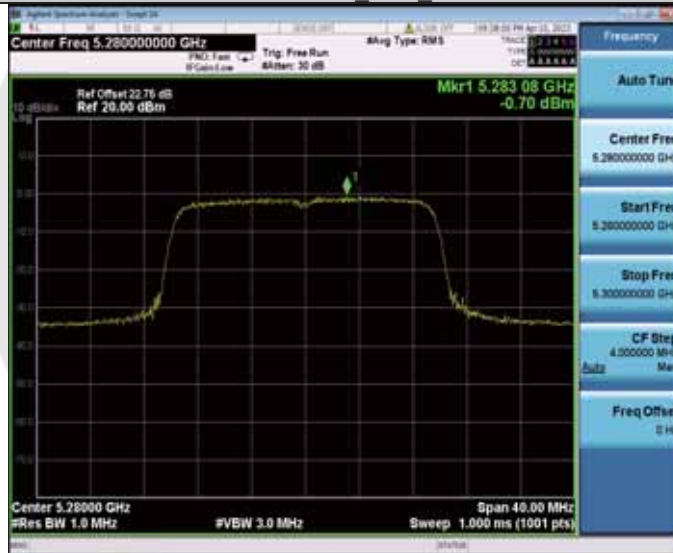
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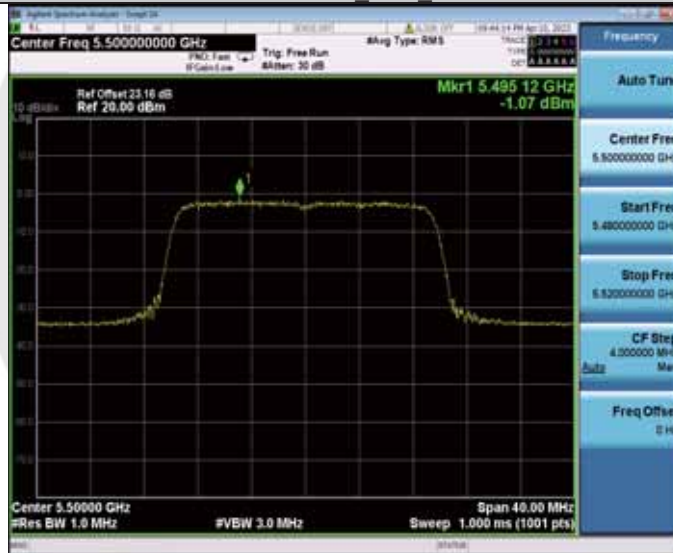
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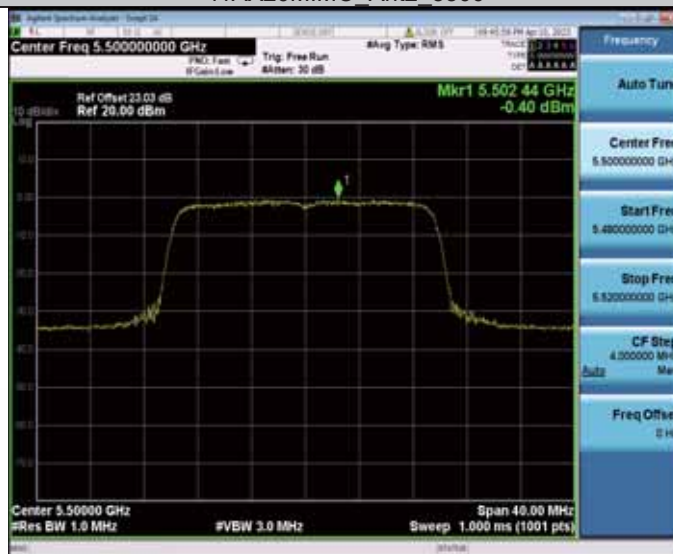
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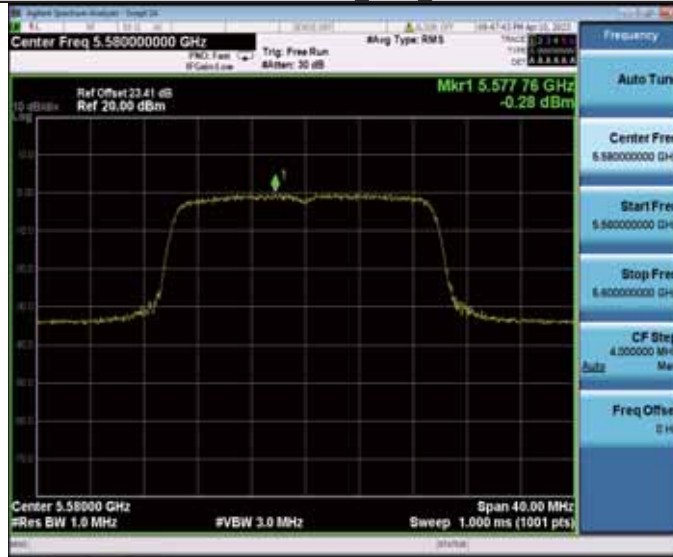
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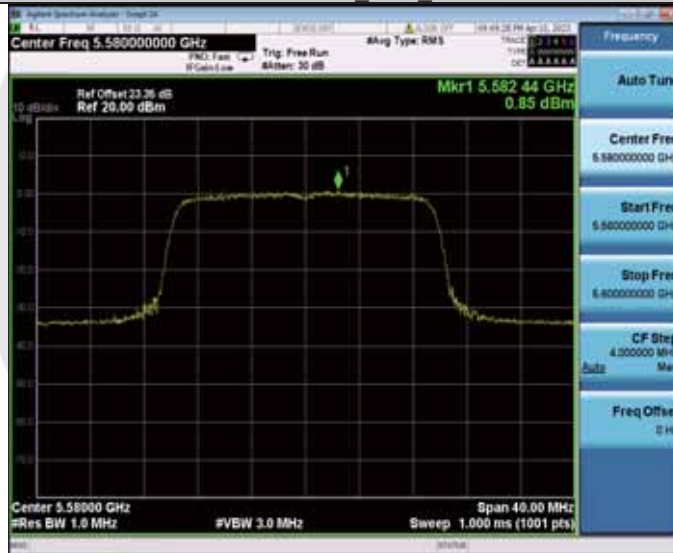
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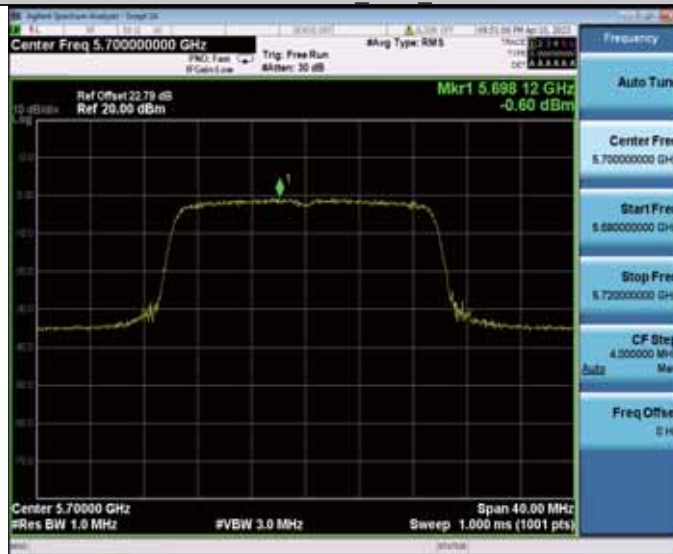
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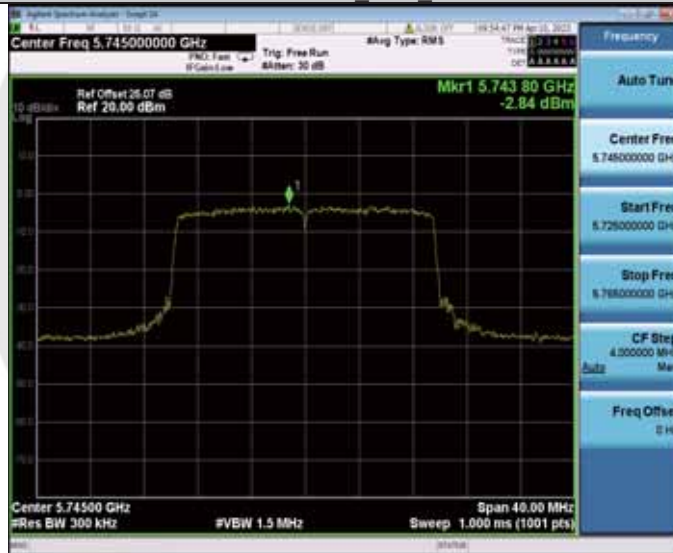
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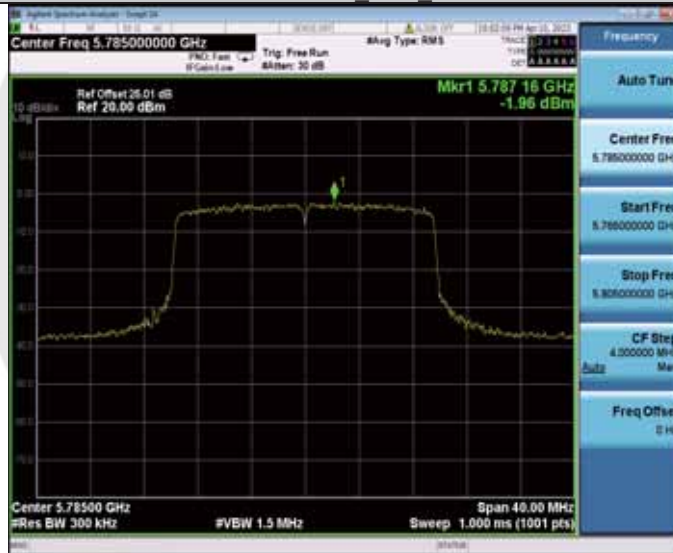
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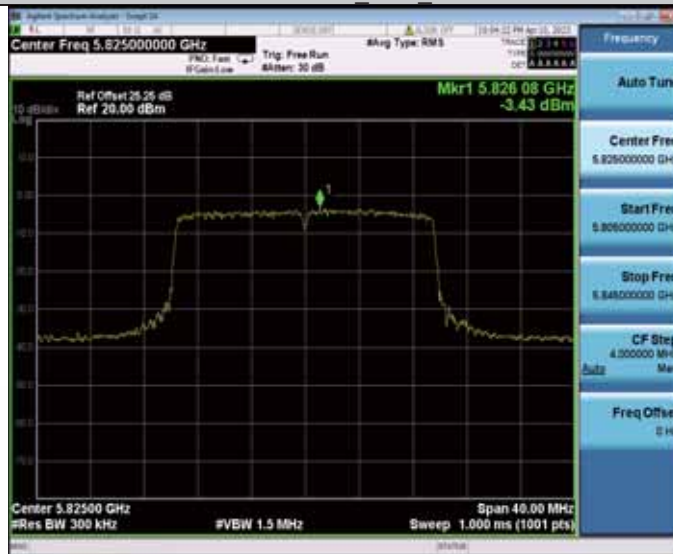
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11AX20MIMO Ant2 5825



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11AX40MIMO Ant1 5230



11AX40MIMO Ant2 5230



11AX40MIMO Ant1 5270





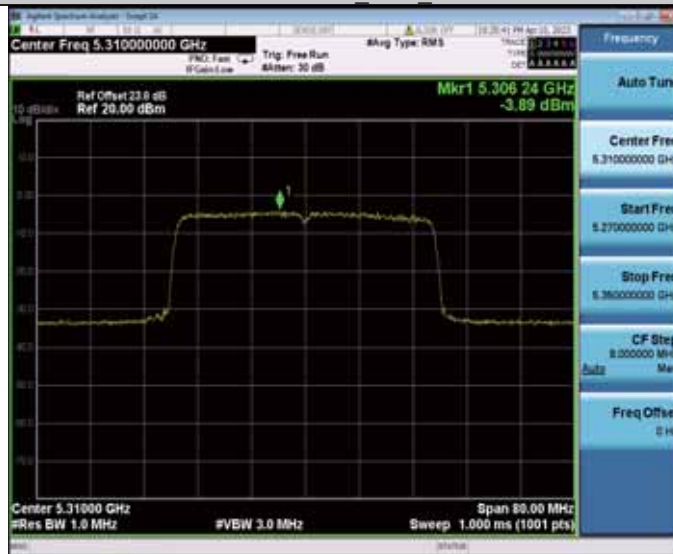
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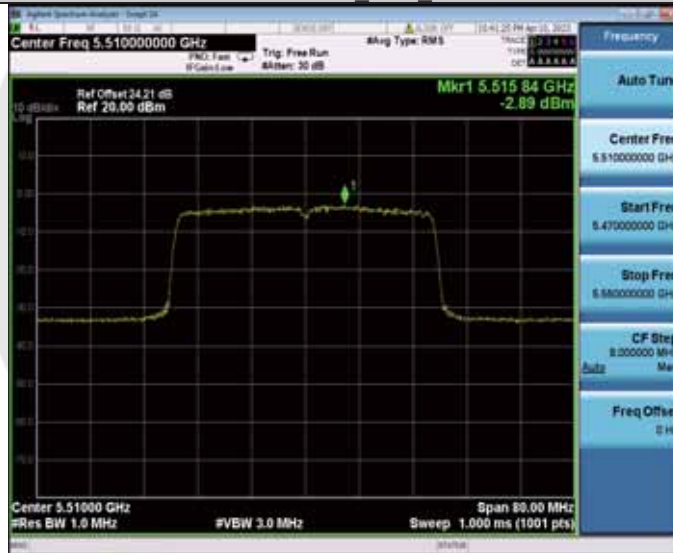
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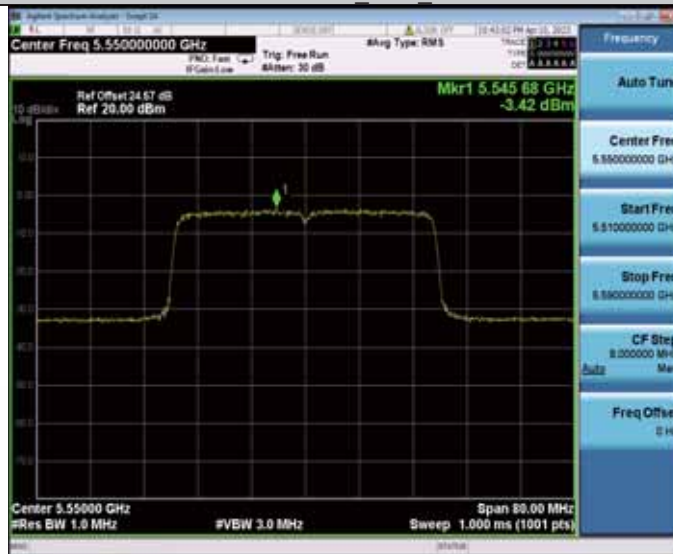
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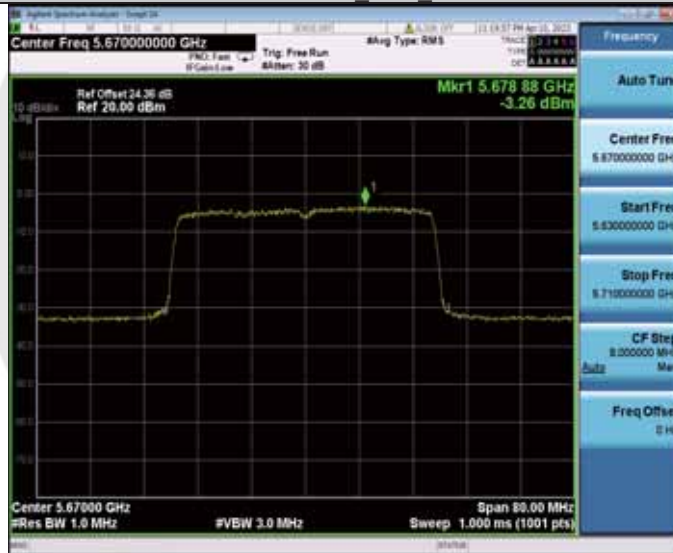
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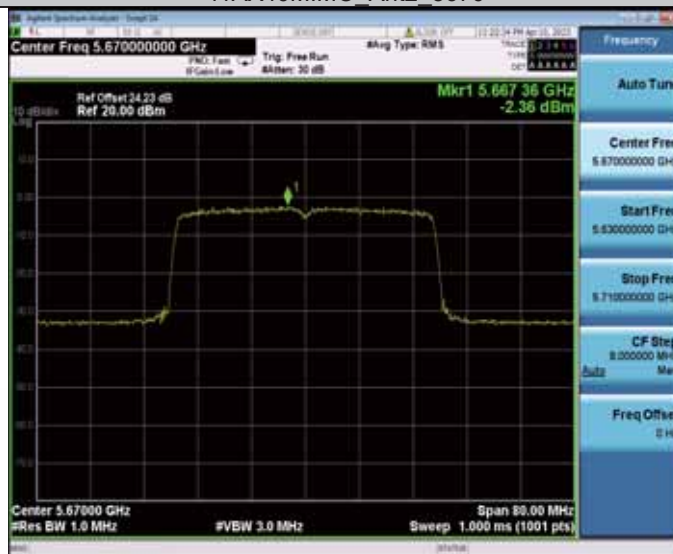
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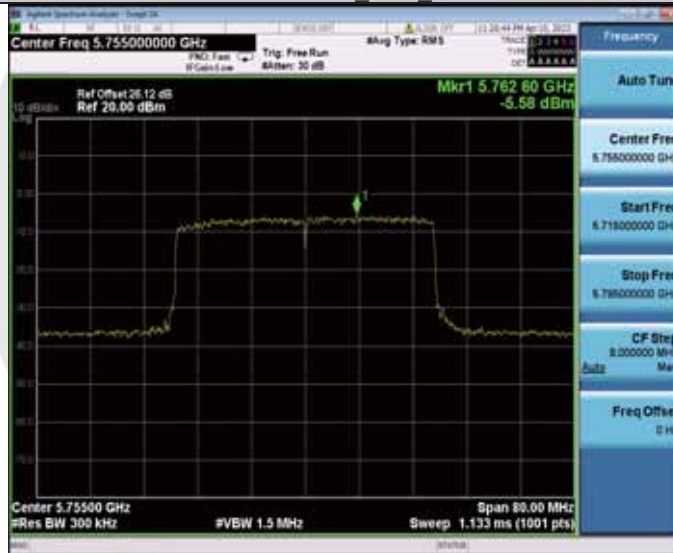
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11AX80MIMO Ant2 5210



11AX80MIMO Ant1 5290



11AX80MIMO Ant2 5290



11AX80MIMO Ant1 5530



11AX80MIMO Ant2 5530



11AX80MIMO Ant1 5610



11AX80MIMO Ant2 5610



11AX80MIMO Ant1 5775



11AX80MIMO Ant2 5775





## 8.4 FREQUENCY STABILITY

### 8.4.1 Applicable Standard

According to FCC Part 15.407(g)  
ANSI C63.10 Section 6.8  
According to RSS-GEN 6.11 and 8.11

### 8.4.2 Conformance Limit

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.

For licence-exempt devices, the following conditions apply:  
at the temperatures of -20°C (-4°F), +20°C (+68°F) and +50°C (+122°F), and at the manufacturer's rated supply voltage.  
at the temperature of +20°C (+68°F) and at ±15% of the manufacturer's rated supply voltage.

### 8.4.3 Test Configuration

Test according to clause 6.1 radio frequency test setup

### 8.4.4 Test Procedure

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.

Set to the maximum power setting and enable the EUT transmit continuously

Set RBW = 10 kHz.

Set Span= Entire absence of modulation emissions band

Set the video bandwidth (VBW) =30 kHz. width

Set Detector = Peak.

Set Trace mode = max hold.

Set Sweep = auto couple.

Allow the trace to stabilize.

The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.

Beginning at each temperature level specified in user manual , the frequency shall be measured within one minute after application of primary power to the transmitter and at intervals of no more than one minute thereafter until ten minutes have elapsed or until sufficient measurements are obtained to indicate clearly that the frequency has stabilized within the applicable tolerance, whichever time period is greater.

During each test, the ambient temperature shall not be allowed to rise more than 10° centigrade above the respective beginning ambient temperature level

Measure and record the results in the test report.

### 8.4.5 Test Results

Temperature:	25 °C
Relative Humidity:	45%
ATM Pressure:	1011 mbar

Note: N/A



## 8.5 UNDESIRABLE RADIATED SPURIOUS EMISSION

### 8.5.1 Applicable Standard

According to FCC Part 15.407 (b), 15.209, 15.205  
 According to 789033 D02 Section II(G)  
 According to RSS-GEN 8.9, 8.10 and 6.13

### 8.5.2 Conformance Limit

For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.

Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209 The emissions from an intentional radiator shall not exceed the field strength levels specified in the following table 15.209(a):

Restricted Frequency(MHz)	Field Strength ( $\mu\text{V}/\text{m}$ )	Field Strength (dB $\mu\text{V}/\text{m}$ )	Measurement Distance
0.009-0.490	2400/F(KHz)	20 log ( $\mu\text{V}/\text{m}$ )	300
0.490-1.705	24000/F(KHz)	20 log ( $\mu\text{V}/\text{m}$ )	30
1.705-30	30	29.5	30
30-88	100	40	3
88-216	150	43.5	3
216-960	200	46	3
Above 960	500	54	3

The provisions of §15.205 apply to intentional radiators operating under this section, 15.205 Restricted bands of operation

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
10.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(2)
13.36-13.41			

- Remark:
1. Emission level in  $\text{dBuV/m} = 20 \log(\mu\text{V/m})$
  2. Measurement was performed at an antenna to the closed point of EUT distance of meters.
  3. Only spurious frequency is permitted to locate within the Restricted Bands specified in provision of 15.205, and the emissions located in restricted bands also comply with 15.209 limit.

### 8.5.3 Test Configuration

Test according to clause 6.2 radio frequency test setup

### 8.5.4 Test Procedure

#### ■ Unwanted Emissions Measurements below 1000 MHz

Compliance shall be demonstrated using CISPR quasi-peak detection; however, peak detection is permitted as an alternative to quasi-peak detection.

The EUT was placed on a turn table which is 0.8m above ground plane.

And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.

Repeat above procedures until all frequency measured was complete.

We use software control the EUT, Let EUT hopping on and transmit with highest power, All the modes have been tested and the worst result was reported.

Use the following spectrum analyzer settings:

Set RBW=120kHz for  $f < 1 \text{ GHz}$ (30MHz to 1GHz), 200Hz for  $f < 150\text{KHz}$ (9KHz to 150KHz), 9KHz for  $< 30\text{MHz}$ (150KHz to 30KHz).

Set the VBW > RBW.

Detector = Peak.

Trace mode = max hold.

Follow the guidelines in ANSI C63.10-2013 with respect to maximizing the emission by rotating the EUT, measuring the emission while the EUT is situated in three orthogonal planes (if appropriate), adjusting the measurement antenna height and polarization, etc. A pre-amp and a high pass filter are required for this test, in order to provide the measuring system with sufficient sensitivity. Allow the trace to stabilize. The peak reading of the emission, after being corrected by the antenna factor, cable loss, pre-amp gain, etc., is the peak field strength, which must comply with the limit specified in Section 15.35(b). Submit this data. Repeat above procedures until all frequency measured was complete.

#### ■ Unwanted Maximum peak Emissions Measurements above 1000 MHz

Maximum emission levels are measured by setting the analyzer as follows:

RBW = 1 MHz.

VBW  $\geq$  3 MHz.

Detector = Peak.

Sweep time = auto.

Trace mode = max hold.

Allow sweeps to continue until the trace stabilizes. Note that if the transmission is not continuous, the time required for the trace to stabilize will increase by a factor of approximately  $1/x$ , where  $x$  is the duty cycle. For example, at 50 percent duty cycle, the measurement time will increase by a factor of two relative to measurement time for continuous transmission.

#### ■ Unwanted Average Emissions Measurements above 1000 MHz

Method VB (Averaging using reduced video bandwidth): Alternative method.

RBW = 1 MHz.

Video bandwidth. • If the EUT is configured to transmit with duty cycle  $\geq 98$  percent, set  $\text{VBW} \leq \text{RBW}/100$  (i.e., 10 kHz) but not less than 10 Hz.

• If the EUT duty cycle is  $< 98$  percent, set  $\text{VBW} \geq 1/T$ , where  $T$  is defined in section II.B.1.a).

Video bandwidth mode or display mode • The instrument shall be set to ensure that video filtering is applied in the power domain. Typically, this requires setting the detector mode to RMS and setting the Average-VBW Type to Power (RMS).

• As an alternative, the analyzer may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain). Some analyzers require linear display mode in order to accomplish this. Others have a setting for Average-VBW Type, which can be set to "Voltage" regardless of the display mode.

Detector = Peak.

Sweep time = auto.

Trace mode = max hold.

Allow max hold to run for at least 50 traces if the transmitted signal is continuous or has at least 98 percent duty cycle. For lower duty cycles, increase the minimum number of traces by a factor of 1/x, where x is the duty cycle. For example, use at least 200 traces if the duty cycle is 25 percent. (If a specific emission is demonstrated to be continuous—i.e., 100 percent duty cycle—rather than turning on and off with the transmit cycle, at least 50 traces shall be averaged.)

■ Band edge measurements.

Unwanted band-edge emissions may be measured using either of the special band-edge measurement techniques (the marker-delta or integration methods) described below. Note that the marker-delta method is primarily a radiated measurement technique that requires the 99% occupied bandwidth edge to be within 2 MHz of the authorized band edge, whereas the integration method can be used in either a radiated or conducted measurement without any special requirement with regards to the displacement of the unwanted emission(s) relative to the authorized bandwidth.

Marker-Delta Method.

The marker-delta method, as described in ANSI C63.10, can be used to perform measurements of the radiated unwanted emissions level of emissions provided that the 99% occupied bandwidth of the fundamental is within 2 MHz of the authorized band-edge.

8.5.5 Test Results

Temperature:	26° C
Relative Humidity:	54%
ATM Pressure:	1011 mbar

■ Spurious Emission below 30MHz(9KHz to 30MHz)

Freq. (MHz)	Ant.Pol. H/V	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
		PK	AV	PK	AV	PK	AV
--	--	--	--	--	--	--	--

Note: the amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.

Distance extrapolation factor =  $40 \log(\text{Specific distance} / \text{test distance})$  (dB);

Limit line = Specific limits(dBuV) + distance extrapolation factor

■ For Undesirable radiated Spurious Emission in U-NII - 1

- Undesirable radiated Spurious Emission Above 1GHz (1GHz to 40GHz)

All the antenna(Antenna 1&2) and modes(802.11a/n/ac/ax) has been tested and the worst(Antenna 1&2, 802.11ax(HE20)) result recorded was report as below:

**BL-M7621AX7**

Test mode: 802.11a Frequency: Channel 36: 5180MHz

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
11535.7	V	60.02	-35.21	-27	8.21
14580.8	V	62.19	-33.04	-27	6.04
17504.8	V	68.01	-27.22	-27	0.22
10711.2	H	59.73	-35.5	-27	8.5
14570.2	H	62.82	-32.41	-27	5.41
17496.3	H	67.30	-27.93	-27	0.93

Test mode: 802.11a Frequency: Channel 40: 5200MHz

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
11493.2	V	60.59	-34.64	-27	7.64
14519.2	V	62.77	-32.46	-27	5.46
17500.6	V	67.32	-27.91	-27	0.91
11565.5	H	60.24	-34.99	-27	7.99
14555.3	H	62.89	-32.34	-27	5.34
17487.8	H	67.38	-27.85	-27	0.85

Test mode: 802.11a Frequency: Channel 48: 5240MHz

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
11520.8	V	60.10	-35.13	-27	8.13
14625.5	V	62.33	-32.9	-27	5.9
17504.8	V	67.91	-27.32	-27	0.32
11546.3	H	59.67	-35.56	-27	8.56
14553.2	H	63.18	-32.05	-27	5.05
17517.6	H	67.56	-27.67	-27	0.67

- Note:**
- (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).
  - (2) Emission Level= Reading Level+Probe Factor +Cable Loss.
  - (3)  $EIRP[dBm] = E[dB\mu V/m] + 20 \log(d[meters]) - 104.77$   
d is the measurement distance in 3 meters

Test mode: 802.11a Frequency: Channel 36: 5180MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
11535.7	V	60.02	48.89	74	54	13.98	5.11
14580.8	V	62.19	49.71	74	54	11.81	4.29
17504.8	V	68.01	47.00	74	54	5.99	7.00
10711.2	H	59.73	49.82	74	54	14.27	4.18
14570.2	H	62.82	49.52	74	54	11.18	4.48
17496.3	H	67.30	46.96	74	54	6.70	7.04

Test mode: 802.11a Frequency: Channel 40: 5200MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
11493.2	V	60.59	49.54	74	54	13.41	4.46
14519.2	V	62.77	48.95	74	54	11.23	5.05
17500.6	V	67.32	47.07	74	54	6.68	6.93
11565.5	H	60.24	48.94	74	54	13.76	5.06
14555.3	H	62.89	49.47	74	54	11.11	4.53
17487.8	H	67.38	46.97	74	54	6.62	7.03

Test mode: 802.11a Frequency: Channel 48: 5240MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
11520.8	V	60.10	49.30	74	54	13.90	4.70
14625.5	V	62.33	49.23	74	54	11.67	4.77
17504.8	V	67.91	46.97	74	54	6.09	7.03
11546.3	H	59.67	49.17	74	54	14.33	4.83
14553.2	H	63.18	49.71	74	54	10.82	4.29
17517.6	H	67.56	46.61	74	54	6.44	7.39

- Note:**
- (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).
  - (2) Emission Level= Reading Level+Correct Factor.
  - (3) Correct Factor= Ant\_F + Cab\_L - Preamp
  - (4) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**BL-M8832AUI**

Test mode: 802.11a Frequency: Channel 36: 5180MHz

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
11485.7	V	59.76	-35.47	-27	8.47
14691.8	V	62.51	-32.72	-27	5.72
17498.2	V	67.16	-28.07	-27	1.07
11528.2	H	59.82	-35.41	-27	8.41
15151.0	H	62.93	-32.3	-27	5.3
17506.7	H	66.93	-28.3	-27	1.3

Test mode: 802.11a Frequency: Channel 40: 5200MHz

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
11494.2	V	59.97	-35.26	-27	8.26
14632.3	V	62.70	-32.53	-27	5.53
17515.2	V	67.46	-27.77	-27	0.77
11494.2	H	60.17	-35.06	-27	8.06
14606.8	H	62.72	-32.51	-27	5.51
17515.2	H	67.23	-28	-27	1

Test mode: 802.11a Frequency: Channel 48: 5240MHz

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
11545.2	V	59.94	-35.29	-27	8.29
14632.3	V	62.68	-32.55	-27	5.55
17489.7	V	66.96	-28.27	-27	1.27
11366.6	H	60.02	-35.21	-27	8.21
15117.0	H	63.18	-32.05	-27	5.05
17515.2	H	66.96	-28.27	-27	1.27

**Note:** (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).  
 (2) Emission Level= Reading Level+Probe Factor +Cable Loss.  
 (3) EIRP[dBm] = E[dBμV/m] + 20 log(d[meters]) - 104.77  
 d is the measurement distance in 3 meters



Test mode: 802.11a Frequency: Channel 36: 5180MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
11485.7	V	59.76	48.83	74	54	14.24	5.17
14691.8	V	62.51	48.55	74	54	11.49	5.45
17498.2	V	67.16	47.64	74	54	6.84	6.36
11528.2	H	59.82	49.16	74	54	14.18	4.84
15151.0	H	62.93	47.20	74	54	11.07	6.80
17506.7	H	66.93	46.93	74	54	7.07	7.07

Test mode: 802.11a Frequency: Channel 40: 5200MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
11494.2	V	59.97	49.05	74	54	14.03	4.95
14632.3	V	62.70	49.30	74	54	11.30	4.70
17515.2	V	67.46	46.64	74	54	6.54	7.36
11494.2	H	60.17	48.90	74	54	13.83	5.10
14606.8	H	62.72	49.81	74	54	11.28	4.19
17515.2	H	67.23	47.09	74	54	6.77	6.91

Test mode: 802.11a Frequency: Channel 48: 5240MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
11545.2	V	59.94	49.19	74	54	14.06	4.81
14632.3	V	62.68	49.29	74	54	11.32	4.71
17489.7	V	66.96	46.66	74	54	7.04	7.34
11366.6	H	60.02	48.27	74	54	13.98	5.73
15117.0	H	63.18	47.08	74	54	10.82	6.92
17515.2	H	66.96	46.68	74	54	7.04	7.32

- Note:**
- (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).
  - (2) Emission Level= Reading Level+Correct Factor.
  - (3) Correct Factor= Ant\_F + Cab\_L - Preamp
  - (4) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

● Undesirable radiated Undesirable radiated Spurious Emission in Band Edge  
 All the antenna(Antenna 1&2) and modes(802.11a/n/ac/ax) has been tested and the worst(Antenna 1&2, 802.11a) result recorded was report as below:

**BL-M7621AX7**

Test mode: 802.11a Frequency: Channel 36: 5180MHz

Freq. (MHz)	Ant.Pol.	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5031.53	H	55.03	-40.2	-27	Pass
5030.64	V	53.98	-41.25	-27	Pass

Test mode: 802.11a Frequency: Channel 48: 5240MHz

Freq. (MHz)	Ant.Pol.	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5385.40	H	52.91	-42.32	-27	Pass
5383.09	V	53.09	-42.14	-27	Pass

**Note:** (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).  
 (2) Emission Level= Reading Level+Probe Factor +Cable Loss.  
 (3)EIRP[dBm] = E[dBμV/m] + 20 log(d[meters]) - 104.77  
 d is the measurement distance in 3 meters

Test mode: 802.11a Frequency: Channel 36: 5180MHz

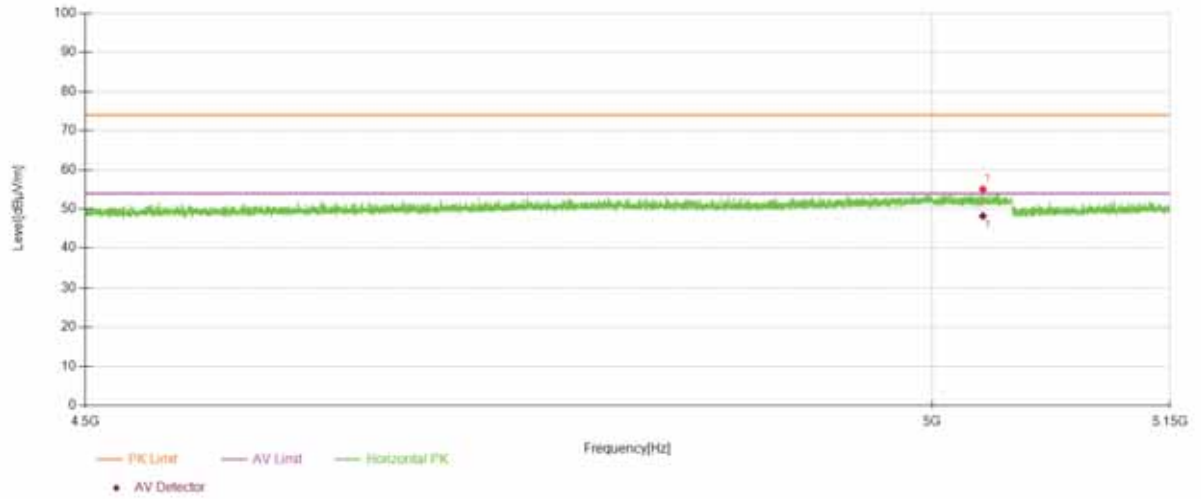
Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
5031.53	H	55.03	74	48.19	54
5030.64	V	53.98	74	47.20	54

Test mode: 802.11a Frequency: Channel 48: 5240MHz

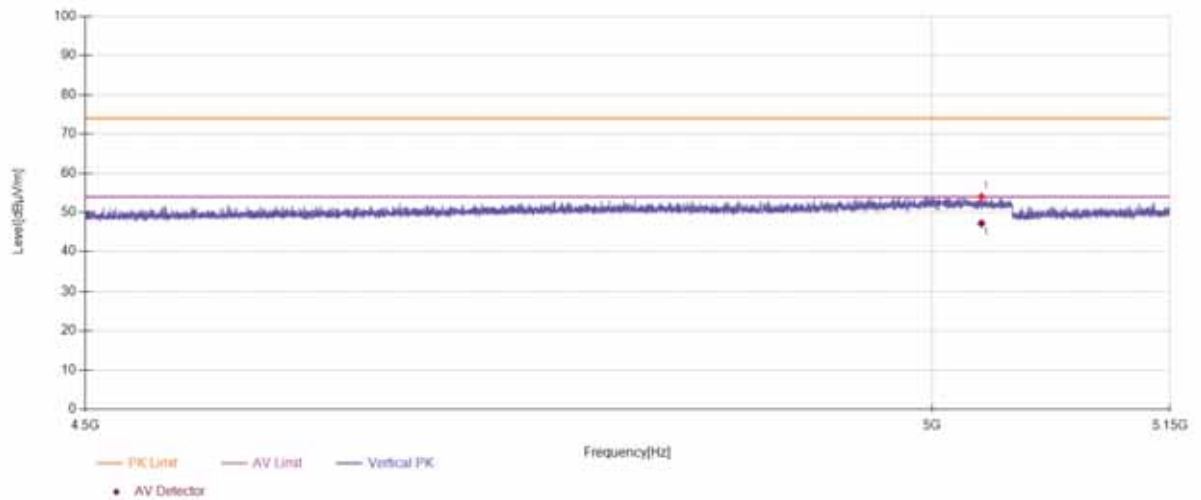
Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
5385.40	H	52.91	74	48.24	54
5383.09	V	53.09	74	48.47	54

**Note:** (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).  
 (2) Emission Level= Reading Level+Correct Factor.  
 (3) Correct Factor= Ant\_F + Cab\_L - Preamp  
 (4) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

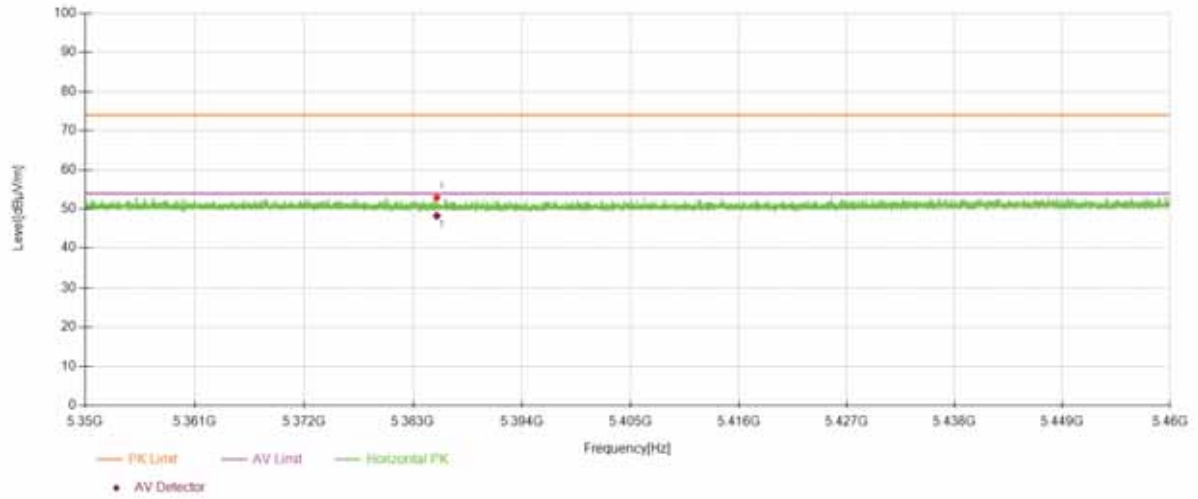
U-NII - 1				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11a	Channel 36: 5180MHz	Ant.Pol	H



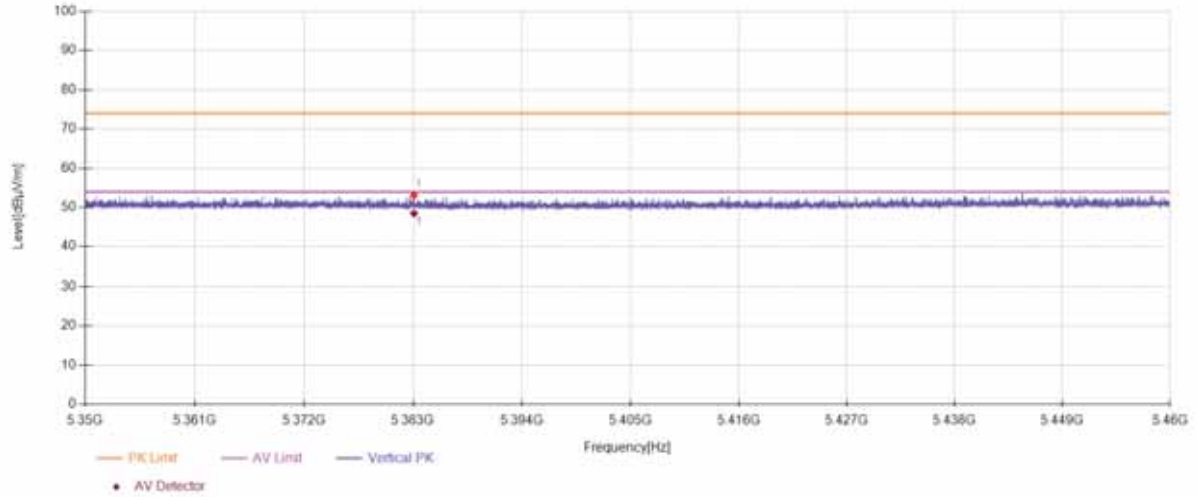
U-NII - 1				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11a	Channel 36: 5180MHz	Ant.Pol	V



U-NII - 1				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11a	Channel 48: 5240MHz	Ant.Pol	H



U-NII - 1				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11a	Channel 48: 5240MHz	Ant.Pol	V



**BL-M8832AUI**

Test mode: 802.11a Frequency: Channel 36: 5180MHz

Freq. (MHz)	Ant.Pol.	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5024.46	H	54.17	-41.06	-27	Pass
4996.6	V	54.45	-40.78	-27	Pass

Test mode: 802.11a Frequency: Channel 48: 5240MHz

Freq. (MHz)	Ant.Pol.	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5377.54	H	52.99	-42.24	-27	Pass
5377.65	V	52.90	-42.33	-27	Pass

**Note:** (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).  
 (2) Emission Level= Reading Level+Probe Factor +Cable Loss.  
 (3) EIRP[dBm] = E[dBμV/m] + 20 log(d[meters]) - 104.77  
 d is the measurement distance in 3 meters

Test mode: 802.11a Frequency: Channel 36: 5180MHz

Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
5024.46	H	54.17	74	49.26	54
4996.6	V	54.45	74	49.48	54

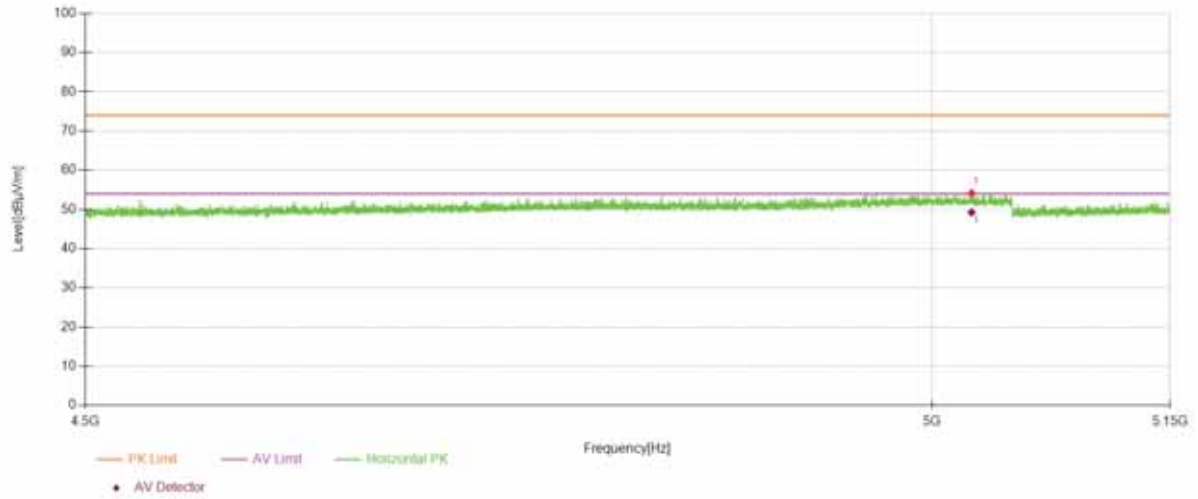
Test mode: 802.11a Frequency: Channel 48: 5240MHz

Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
5377.54	H	52.99	74	49.58	54
5377.65	V	52.90	74	47.42	54

**Note:** (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).  
 (2) Emission Level= Reading Level+Correct Factor.  
 (3) Correct Factor= Ant\_F + Cab\_L - Preamp  
 (4) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

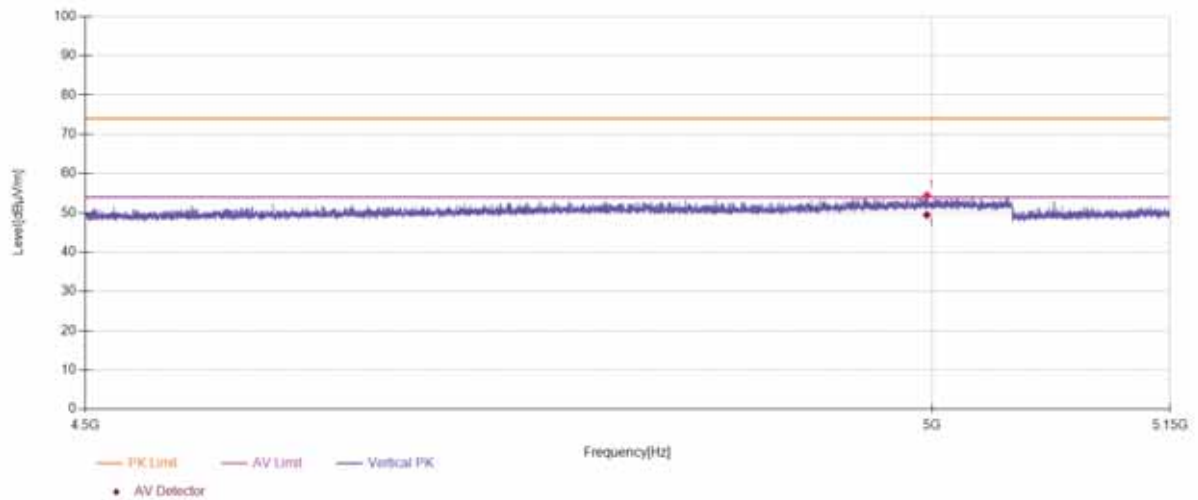
U-NII - 1

Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11a	Channel 36: 5180MHz	Ant.Pol	H

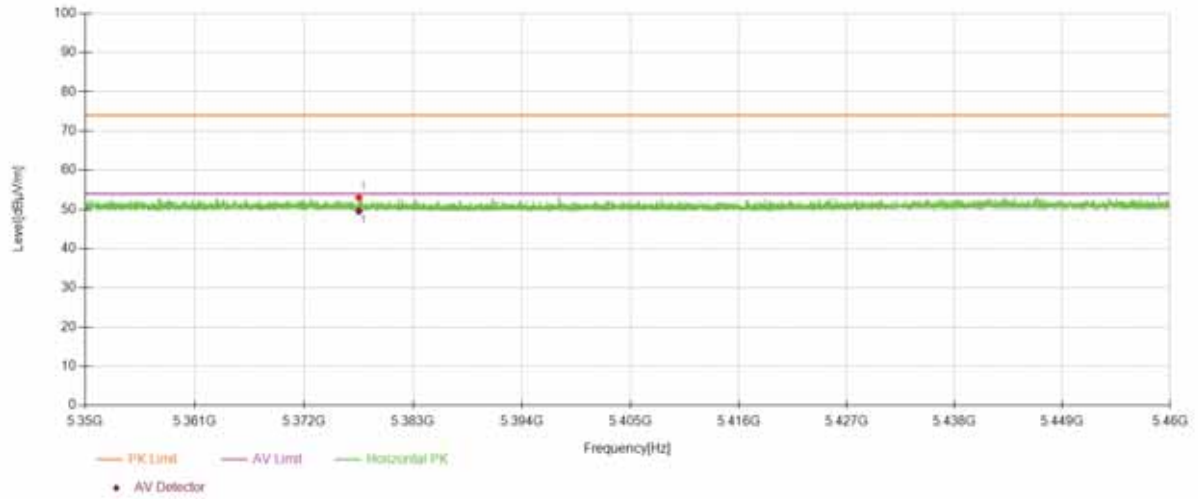


U-NII - 1

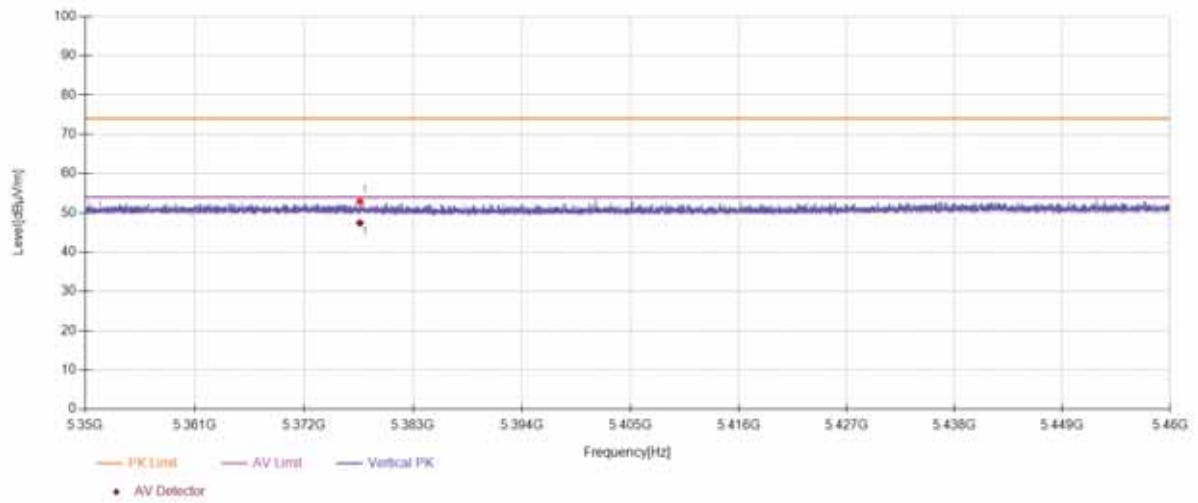
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11a	Channel 36: 5180MHz	Ant.Pol	V



U-NII - 1				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11a	Channel 48: 5240MHz	Ant.Pol	H



U-NII - 1				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11a	Channel 48: 5240MHz	Ant.Pol	V



■ For Undesirable radiated Spurious Emission in U-NII -2A

- Undesirable radiated Spurious Emission Above 1GHz (1GHz to 40GHz)

All the antenna(Antenna 1&2) and modes(802.11a/n/ac/ax) has been tested and the worst(Antenna 1&2, 802.11ax(HE20)) result recorded was report as below:

**BL-M7621AX7**

Test mode: 802.11a Frequency: Channel 52: 5260MHz

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
11516.6	V	60.03	-35.2	-27	8.2
14559.6	V	62.78	-32.45	-27	5.45
15238.7	V	63.25	-31.98	-27	4.98
11527.2	H	60.21	-35.02	-27	8.02
14842.2	H	62.65	-32.58	-27	5.58
17500.6	H	67.37	-27.86	-27	0.86

Test mode: 802.11a Frequency: Channel 56: 5280MHz

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
11554.8	V	59.54	-35.69	-27	8.69
15203.5	V	63.31	-31.92	-27	4.92
17496.3	V	67.77	-27.46	-27	0.46
11401.8	H	59.77	-35.46	-27	8.46
14733.8	H	64.13	-31.1	-27	4.1
17496.3	H	67.40	-27.83	-27	0.83

Test mode: 802.11a Frequency: Channel 64: 5320MHz

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
11506	V	59.77	-35.46	-27	8.46
14746.6	V	63.28	-31.95	-27	4.95
15423.2	V	63.56	-31.67	-27	4.67
10696.3	H	60.24	-34.99	-27	7.99
14517.1	H	62.16	-33.07	-27	6.07
17494.2	H	67.67	-27.56	-27	0.56

- Note:**
- (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).
  - (2) Emission Level= Reading Level+Probe Factor +Cable Loss.
  - (3)  $EIRP[dBm] = E[dB\mu V/m] + 20 \log(d[meters]) - 104.77$   
d is the measurement distance in 3 meters



Test mode: 802.11a Frequency: Channel 52: 5260MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
11516.6	V	60.03	48.87	74	54	13.97	5.13
14559.6	V	62.78	49.42	74	54	11.22	4.58
17487.8	V	68.74	46.58	74	54	5.26	7.42
11527.2	H	60.21	48.75	74	54	13.79	5.25
14842.2	H	62.65	47.54	74	54	11.35	6.46
17500.6	H	67.37	47.11	74	54	6.63	6.89

Test mode: 802.11a Frequency: Channel 56: 5280MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
11554.8	V	59.54	48.69	74	54	14.46	5.31
15203.5	V	63.31	47.28	74	54	10.69	6.72
17496.3	V	67.77	46.96	74	54	6.23	7.04
11401.8	H	59.77	48.00	74	54	14.23	6.00
14733.8	H	64.13	47.97	74	54	9.87	6.03
17496.3	H	67.40	47.60	74	54	6.60	6.40

Test mode: 802.11a Frequency: Channel 64: 5320MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
11506	V	59.77	49.71	74	54	14.23	4.29
14746.6	V	63.28	48.22	74	54	10.72	5.78
17509.1	V	68.29	46.83	74	54	5.71	7.17
10696.3	H	60.24	49.90	74	54	13.76	4.10
14517.1	H	62.16	49.25	74	54	11.84	4.75
17494.2	H	67.67	46.86	74	54	6.33	7.14

- Note:**
- (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).
  - (2) Emission Level= Reading Level+Correct Factor.
  - (3) Correct Factor= Ant\_F + Cab\_L - Preamp
  - (4) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**BL-M8832AUI**

Test mode: 802.11a Frequency: Channel 52: 5260MHz

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
11545.2	V	59.97	-35.26	-27	8.26
14606.8	V	63.64	-31.59	-27	4.59
17498.2	V	67.04	-28.19	-27	1.19
11485.7	H	60.67	-34.56	-27	7.56
14538.7	H	62.52	-32.71	-27	5.71
17498.2	H	67.58	-27.65	-27	0.65

Test mode: 802.11a Frequency: Channel 56: 5280MHz

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
11494.2	V	61.56	-33.67	-27	6.67
15142.5	V	62.18	-33.05	-27	6.05
17498.2	V	66.77	-28.46	-27	1.46
11409.2	H	60.01	-35.22	-27	8.22
14581.2	H	62.54	-32.69	-27	5.69
17498.2	H	67.38	-27.85	-27	0.85

Test mode: 802.11a Frequency: Channel 64: 5320MHz

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
11587.7	V	59.70	-35.53	-27	8.53
14530.2	V	62.84	-32.39	-27	5.39
17498.2	V	67.19	-28.04	-27	1.04
11375.1	H	59.67	-35.56	-27	8.56
14513.2	H	62.68	-32.55	-27	5.55
17523.7	H	67.68	-27.55	-27	0.55

- Note:**
- (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).
  - (2) Emission Level= Reading Level+Probe Factor +Cable Loss.
  - (3) EIRP[dBm] = E[dBμV/m] + 20 log(d[meters]) - 104.77  
d is the measurement distance in 3 meters

Test mode: 802.11a Frequency: Channel 52: 5260MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
11545.2	V	59.97	48.74	74	54	14.03	5.26
14606.8	V	63.64	49.80	74	54	10.36	4.20
17498.2	V	67.04	47.02	74	54	6.96	6.98
11485.7	H	60.67	48.83	74	54	13.33	5.17
14538.7	H	62.52	49.25	74	54	11.48	4.75
17498.2	H	67.58	47.01	74	54	6.42	6.99

Test mode: 802.11a Frequency: Channel 56: 5280MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
11494.2	V	61.56	48.80	74	54	12.44	5.20
15142.5	V	62.18	47.19	74	54	11.82	6.81
17498.2	V	66.77	47.00	74	54	7.23	7.00
11409.2	H	60.01	48.05	74	54	13.99	5.95
14581.2	H	62.54	49.67	74	54	11.46	4.33
17498.2	H	67.38	47.05	74	54	6.62	6.95

Test mode: 802.11a Frequency: Channel 64: 5320MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
11587.7	V	59.70	48.53	74	54	14.30	5.47
14530.2	V	62.84	49.03	74	54	11.16	4.97
17498.2	V	67.19	47.04	74	54	6.81	6.96
11375.1	H	59.67	48.21	74	54	14.33	5.79
14513.2	H	62.68	48.80	74	54	11.32	5.20
17523.7	H	67.68	46.43	74	54	6.32	7.57

- Note:**
- (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).
  - (2) Emission Level= Reading Level+Correct Factor.
  - (3) Correct Factor= Ant\_F + Cab\_L - Preamp
  - (4) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

- Undesirable radiated Undesirable radiated Spurious Emission in Band Edge  
All the antenna(Antenna 1&2) and modes(802.11a/n/ac/ax) has been tested and the worst(Antenna 1&2, 802.11a) result recorded was report as below:

**BL-M7621AX7**

Test mode: 802.11a Frequency: Channel 52: 5260MHz

Freq. (MHz)	Ant.Pol.	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
4998.55	H	55.52	-39.71	-27	Pass
5036.49	V	54.42	-40.81	-27	Pass

Test mode: 802.11a Frequency: Channel 64: 5320MHz

Freq. (MHz)	Ant.Pol.	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5367.97	H	52.96	-42.27	-27	Pass
5380.58	V	53.05	-42.18	-27	Pass

- Note:**
- (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).
  - (2) Emission Level= Reading Level+Probe Factor +Cable Loss.
  - (3)  $EIRP[dBm] = E[dBuV/m] + 20 \log(d[meters]) - 104.77$   
d is the measurement distance in 3 meters

Test mode: 802.11a Frequency: Channel 52: 5260MHz

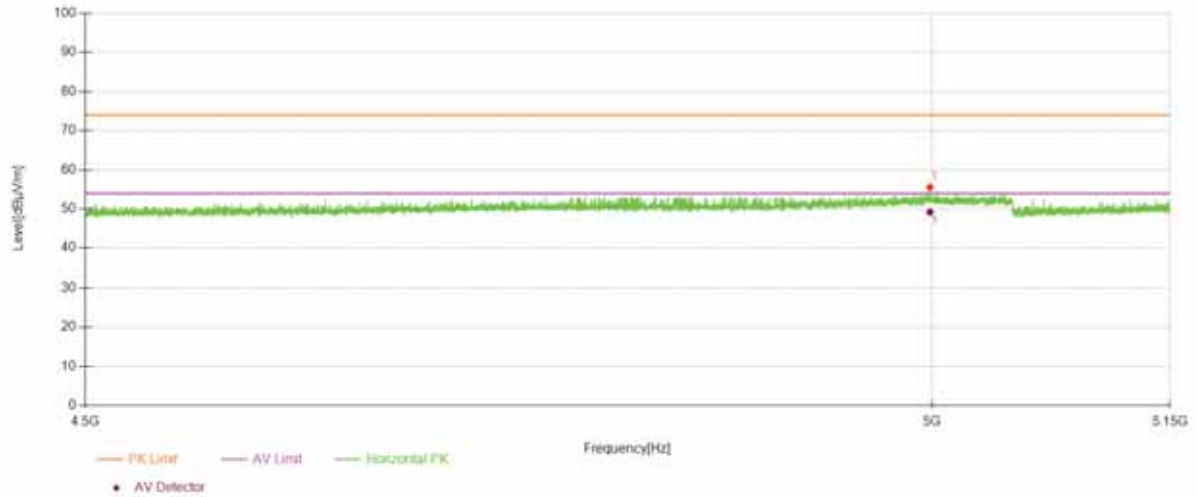
Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
4998.55	H	55.52	74	49.19	54
5036.49	V	54.42	74	48.22	54

Test mode: 802.11a Frequency: Channel 64: 5320MHz

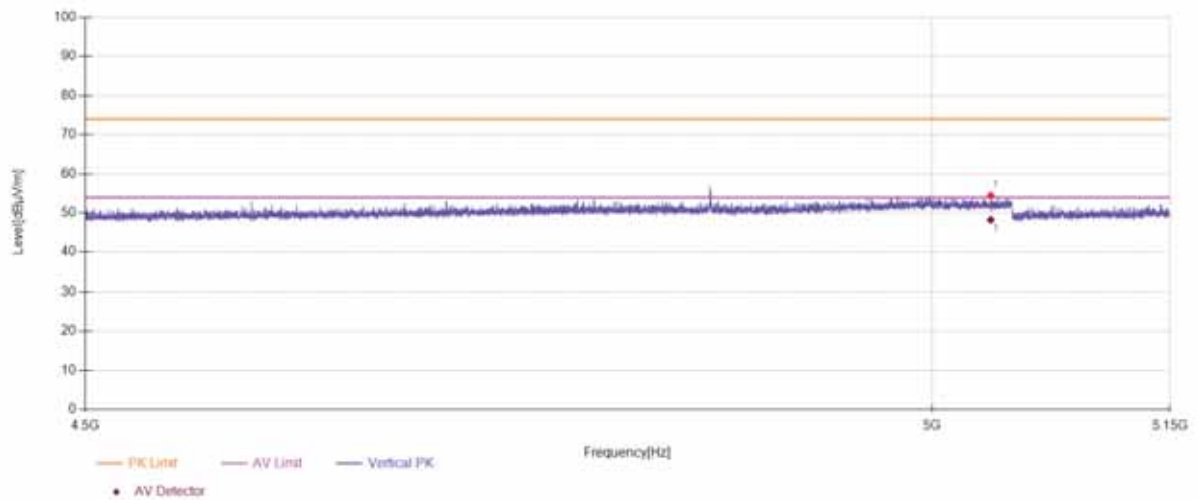
Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
5367.97	H	52.96	74	48.58	54
5380.58	V	53.05	74	49.61	54

- Note:**
- (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).
  - (2) Emission Level= Reading Level+Correct Factor.
  - (3) Correct Factor= Ant\_F + Cab\_L - Preamp
  - (4) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

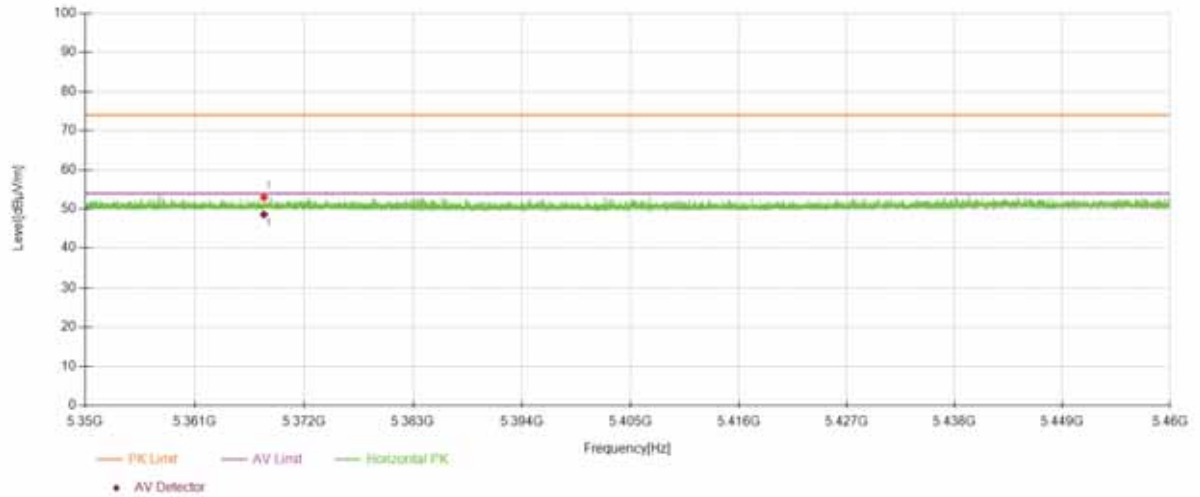
U-NII -2A				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11a	Channel 52: 5260MHz	Ant.Pol	H



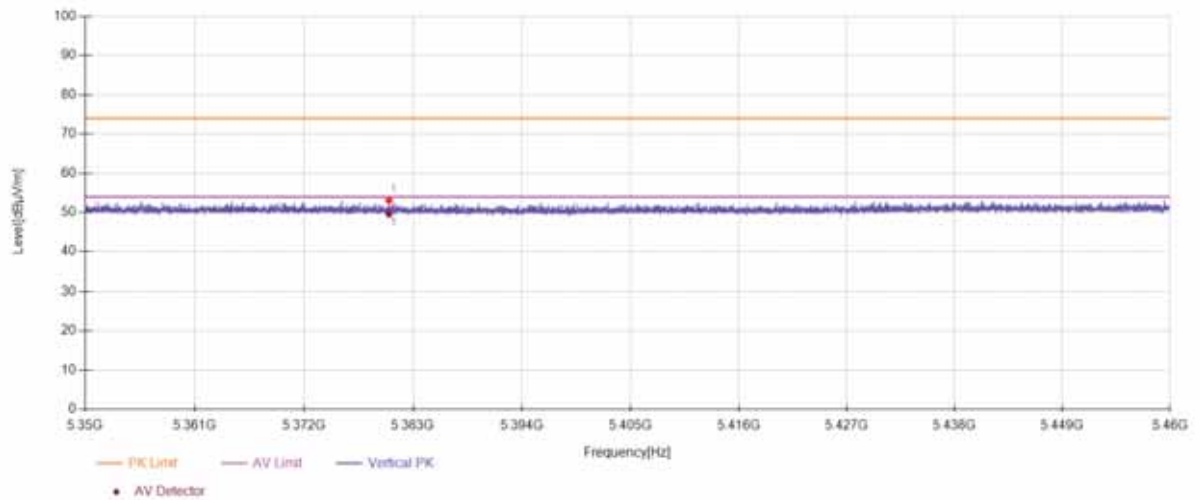
U-NII -2A				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11a	Channel 52: 5260MHz	Ant.Pol	V



U-NII -2A				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11a	Channel 64: 5320MHz	Ant.Pol	H



U-NII -2A				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11a	Channel 64: 5320MHz	Ant.Pol	V



**BL-M8832AUI**

Test mode: 802.11a Frequency: Channel 52: 5260MHz

Freq. (MHz)	Ant.Pol.	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5042.34	H	54.56	-40.67	-27	Pass
5023.57	V	54.14	-41.09	-27	Pass

Test mode: 802.11a Frequency: Channel 64: 5320MHz

Freq. (MHz)	Ant.Pol.	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5389.47	H	52.80	-42.43	-27	Pass
5384.30	V	52.60	-42.63	-27	Pass

**Note:** (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).  
 (2) Emission Level= Reading Level+Probe Factor +Cable Loss.  
 (3) EIRP[dBm] = E[dBμV/m] + 20 log(d[meters]) - 104.77  
 d is the measurement distance in 3 meters

Test mode: 802.11a Frequency: Channel 52: 5260MHz

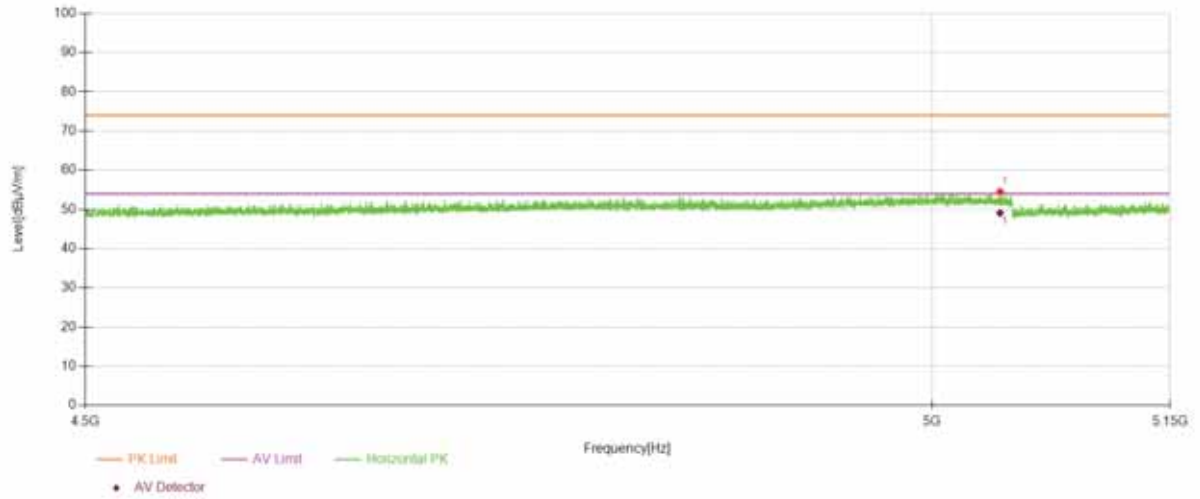
Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
5042.34	H	54.56	74	49.09	54
5023.57	V	54.14	74	50.43	54

Test mode: 802.11a Frequency: Channel 64: 5320MHz

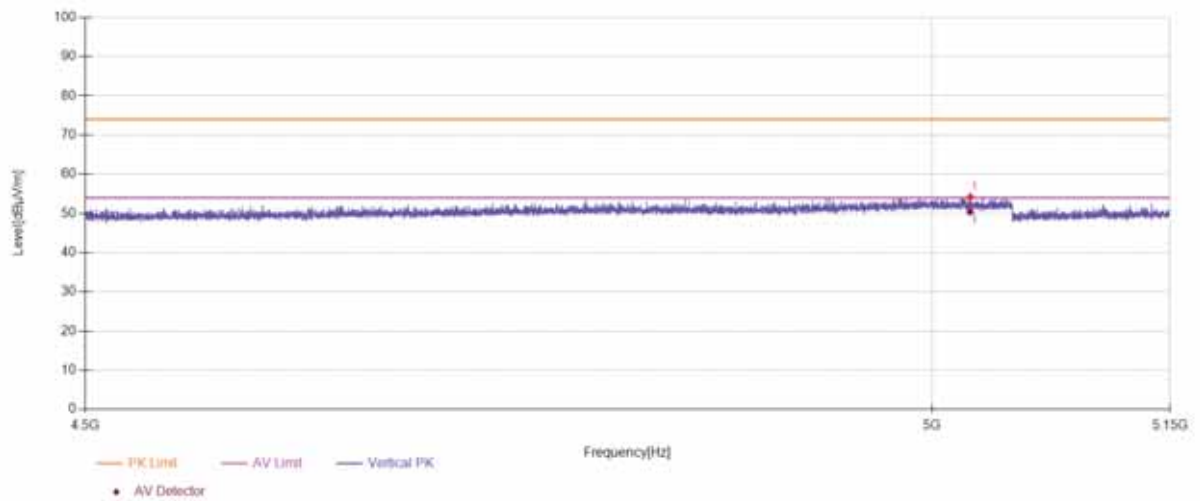
Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
5389.47	H	52.80	74	50.51	54
5384.30	V	52.60	74	50.88	54

**Note:** (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).  
 (2) Emission Level= Reading Level+Correct Factor.  
 (3) Correct Factor= Ant\_F + Cab\_L - Preamp  
 (4) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

U-NII -2A				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11a	Channel 52: 5260MHz	Ant.Pol	H

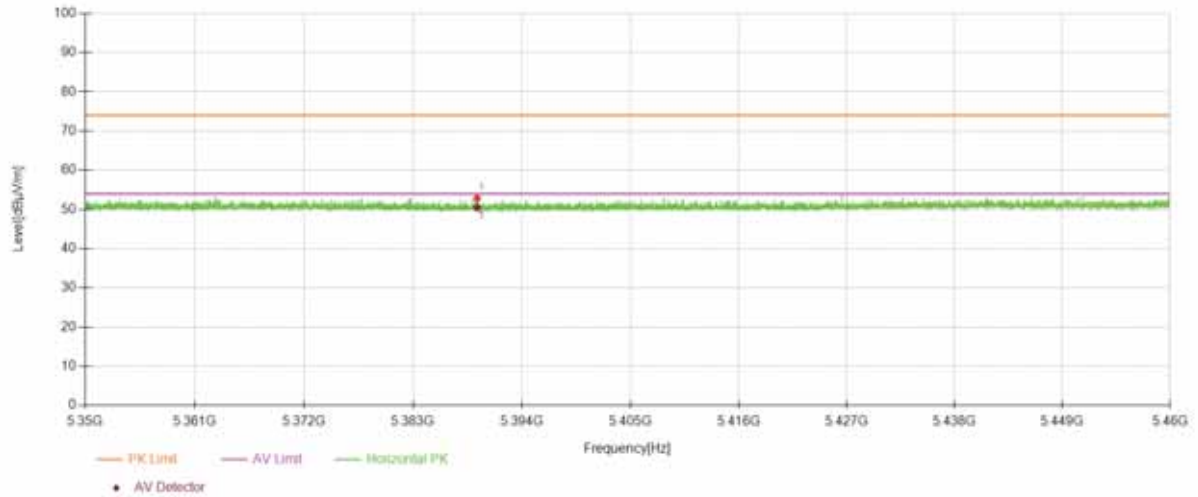


U-NII -2A				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11a	Channel 52: 5260MHz	Ant.Pol	V

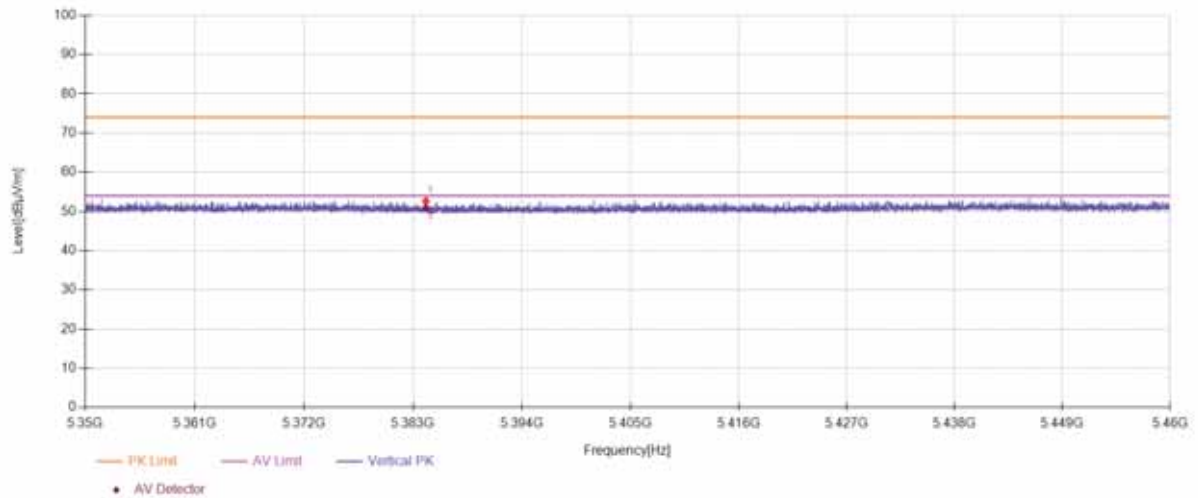




U-NII -2A				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11a	Channel 64: 5320MHz	Ant.Pol	H



U-NII -2A				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11a	Channel 64: 5320MHz	Ant.Pol	V



■ For Undesirable radiated Spurious Emission in U-NII -2C

● Undesirable radiated Spurious Emission Above 1GHz (1GHz to 40GHz)

All the antenna(Antenna 1&2) and modes(802.11a/n/ac/ax) has been tested and the worst(Antenna 1&2, 802.11a) result recorded was report as below:

**BL-M7621AX7**

Test mode: 802.11a Frequency: Channel 100: 5500MHz

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
12035.1	V	59.92	-35.31	-27	8.31
14553.2	V	62.64	-32.59	-27	5.59
17504.8	V	67.15	-28.08	-27	1.08
11523	H	59.81	-35.42	-27	8.42
14546.8	H	62.90	-32.33	-27	5.33
17483.6	H	67.39	-27.84	-27	0.84

Test mode: 802.11a Frequency: Channel 120: 5600MHz

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
11529.3	V	60.81	-34.42	-27	7.42
14583	V	62.68	-32.55	-27	5.55
17490	V	67.73	-27.5	-27	0.5
11510.2	H	59.43	-35.8	-27	8.8
15122.7	H	62.18	-33.05	-27	6.05
17494.2	H	67.09	-28.14	-27	1.14

Test mode: 802.11a Frequency: Channel 140: 5700MHz

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
11508.1	V	59.45	-35.78	-27	8.78
14585.1	V	62.76	-32.47	-27	5.47
17496.3	V	67.48	-27.75	-27	0.75
11484.7	H	59.61	-35.62	-27	8.62
14583	H	62.99	-32.24	-27	5.24
17500.6	H	67.25	-27.98	-27	0.98

- Note:**
- (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).
  - (2) Emission Level= Reading Level+Probe Factor +Cable Loss.
  - (3) EIRP[dBm] = E[dBμV/m] + 20 log(d[meters]) - 104.77  
d is the measurement distance in 3 meters

Test mode: 802.11a Frequency: Channel 100: 5500MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
12035.1	V	59.92	48.10	74.00	54.00	14.08	5.90
14553.2	V	62.64	49.34	74.00	54.00	11.36	4.66
17504.8	V	67.15	46.93	74.00	54.00	6.85	7.07
11523	H	59.81	49.28	74.00	54.00	14.19	4.72
14546.8	H	62.90	49.25	74.00	54.00	11.10	4.75
17483.6	H	67.39	46.99	74.00	54.00	6.61	7.01

Test mode: 802.11a Frequency: Channel 120: 5600MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
11529.3	V	60.81	49.25	74.00	54.00	13.19	4.75
14583	V	62.68	49.71	74.00	54.00	11.32	4.29
17490	V	67.73	46.65	74.00	54.00	6.27	7.35
11510.2	H	59.43	49.55	74.00	54.00	14.57	4.45
15122.7	H	62.18	47.12	74.00	54.00	11.82	6.88
17494.2	H	67.09	46.84	74.00	54.00	6.91	7.16

Test mode: 802.11a Frequency: Channel 140: 5700MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
11508.1	V	59.45	49.45	74.00	54.00	14.55	4.55
14585.1	V	62.76	49.76	74.00	54.00	11.24	4.24
17496.3	V	67.48	46.97	74.00	54.00	6.52	7.03
11484.7	H	59.61	48.99	74.00	54.00	14.39	5.01
14583	H	62.99	49.50	74.00	54.00	11.01	4.50
17500.6	H	67.25	47.11	74.00	54.00	6.75	6.89

- Note:**
- (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).
  - (2) Emission Level= Reading Level+Correct Factor.
  - (3) Correct Factor= Ant\_F + Cab\_L - Preamp
  - (4) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**BL-M8832AUI**

Test mode: 802.11a Frequency: Channel 100: 5500MHz

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
11494.2	V	60.26	-34.97	-27	7.97
14598.2	V	62.84	-32.39	-27	5.39
17515.2	V	68.07	-27.16	-27	0.16
10720.3	H	60.06	-35.17	-27	8.17
14598.2	H	62.70	-32.53	-27	5.53
17506.7	H	66.79	-28.44	-27	1.44

Test mode: 802.11a Frequency: Channel 120: 5600MHz

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
11485.7	V	62.82	-31.83	-27	4.83
15100.0	V	63.40	-28.43	-27	1.43
17498.2	V	66.80	-35.51	-27	8.51
11477.2	H	59.72	-32.86	-27	5.86
14691.8	H	62.37	-28.4	-27	1.4
17498.2	H	66.83	-31.83	-27	4.83

Test mode: 802.11a Frequency: Channel 140: 5700MHz

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
11536.7	V	59.98	-35.25	-27	8.25
14581.2	V	63.14	-32.09	-27	5.09
17523.7	V	66.64	-28.59	-27	1.59
11171.0	H	59.77	-35.46	-27	8.46
14547.2	H	62.82	-32.41	-27	5.41
17506.7	H	65.98	-29.25	-27	2.25

**Note:** (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).  
 (2) Emission Level= Reading Level+Probe Factor +Cable Loss.  
 (3) EIRP[dBm] = E[dBuV/m] + 20 log(d[meters]) - 104.77  
 d is the measurement distance in 3 meters

Test mode: 802.11a Frequency: Channel 100: 5500MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
11494.2	V	60.26	48.90	74.00	54.00	13.74	5.10
14598.2	V	62.84	49.90	74.00	54.00	11.16	4.10
17515.2	V	68.07	46.65	74.00	54.00	5.93	7.35
10720.3	H	60.06	49.19	74.00	54.00	13.94	4.81
14598.2	H	62.70	49.91	74.00	54.00	11.30	4.09
17506.7	H	66.79	46.88	74.00	54.00	7.21	7.12

Test mode: 802.11a Frequency: Channel 120: 5600MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
11485.7	V	62.82	48.83	74.00	54.00	11.18	5.17
15100.0	V	63.40	47.35	74.00	54.00	10.60	6.65
17498.2	V	66.80	47.64	74.00	54.00	7.20	6.36
11477.2	H	59.72	48.76	74.00	54.00	14.28	5.24
14691.8	H	62.37	48.16	74.00	54.00	11.63	5.84
17498.2	H	66.83	47.64	74.00	54.00	7.17	6.36

Test mode: 802.11a Frequency: Channel 140: 5700MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
11536.7	V	59.98	48.78	74.00	54.00	14.02	5.22
14581.2	V	63.14	49.67	74.00	54.00	10.86	4.33
17523.7	V	66.64	46.38	74.00	54.00	7.36	7.62
11171.0	H	59.77	47.82	74.00	54.00	14.23	6.18
14547.2	H	62.82	49.23	74.00	54.00	11.18	4.77
17506.7	H	65.98	46.88	74.00	54.00	8.02	7.12

- Note:**
- (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).
  - (2) Emission Level= Reading Level+Correct Factor.
  - (3) Correct Factor= Ant\_F + Cab\_L - Preamp
  - (4) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

● Undesirable radiated Undesirable radiated Spurious Emission in Band Edge  
 All the antenna(Antenna 1&2) and modes(802.11a/n/ac/ax) has been tested and the worst(Antenna 1&2, 802.11a) result recorded was report as below:

**BL-M7621AX7**

Test mode: 802.11a Frequency: Channel 100: 5500MHz

Freq. (MHz)	Ant.Pol.	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5445.48	H	53.10	-42.13	-27	Pass
5439.01	V	53.53	-41.7	-27	Pass

Test mode: 802.11a Frequency: Channel 140: 5700MHz

Freq. (MHz)	Ant.Pol.	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5739.45	H	53.87	-41.36	-27	Pass
5728.37	V	53.83	-41.4	-27	Pass

**Note:** (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).  
 (2) Emission Level= Reading Level+Probe Factor +Cable Loss.  
 (3)EIRP[dBm] = E[dBμV/m] + 20 log(d[meters]) - 104.77  
 d is the measurement distance in 3 meters

Test mode: 802.11a Frequency: Channel 100: 5500MHz

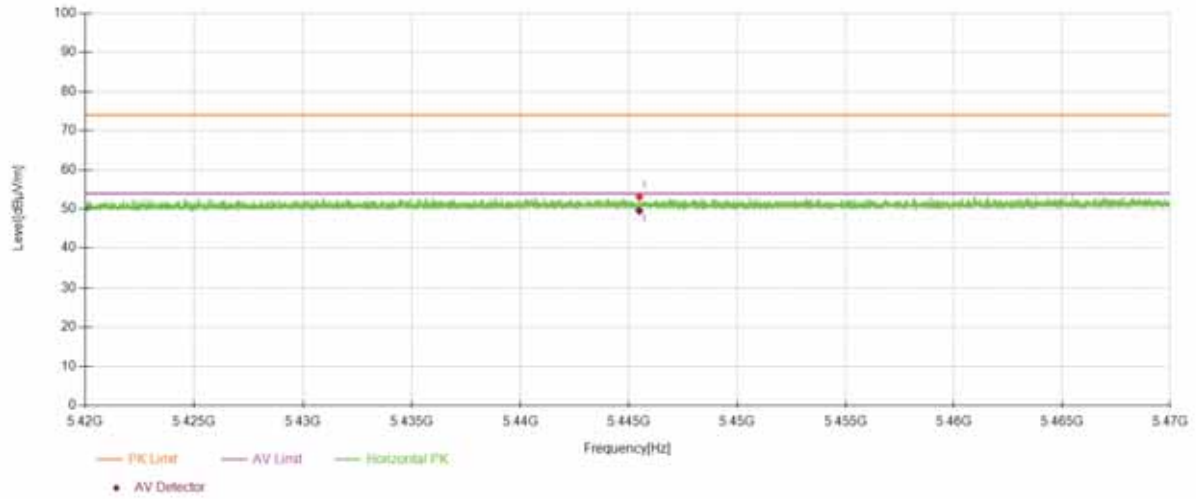
Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
5445.48	H	53.10	74	49.55	54
5439.01	V	53.53	74	47.16	54

Test mode: 802.11a Frequency: Channel 140: 5700MHz

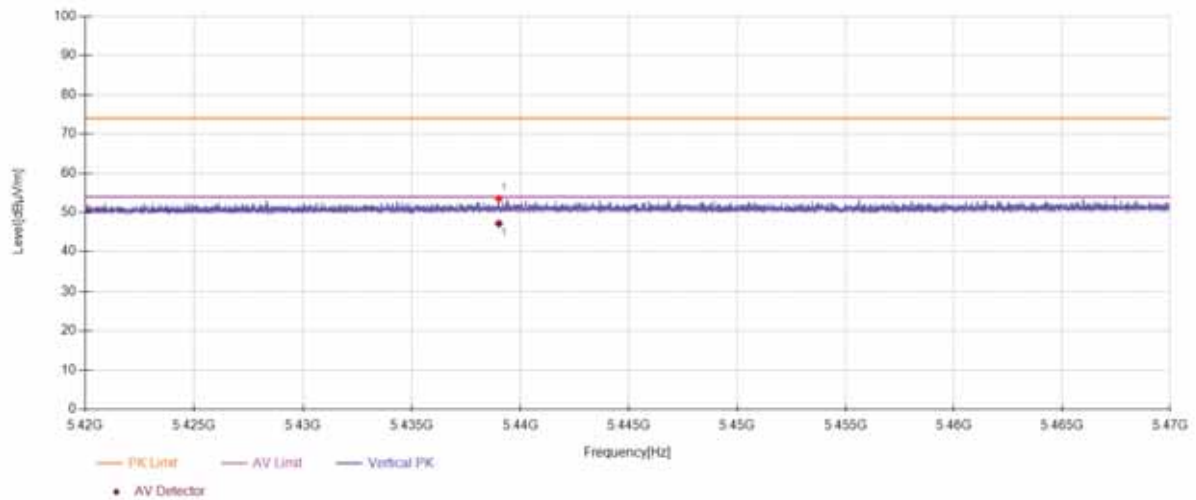
Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
5739.45	H	53.87	74	47.73	54
5728.37	V	53.83	74	47.86	54

**Note:** (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).  
 (2) Emission Level= Reading Level+Correct Factor.  
 (3) Correct Factor= Ant\_F + Cab\_L - Preamp  
 (4) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

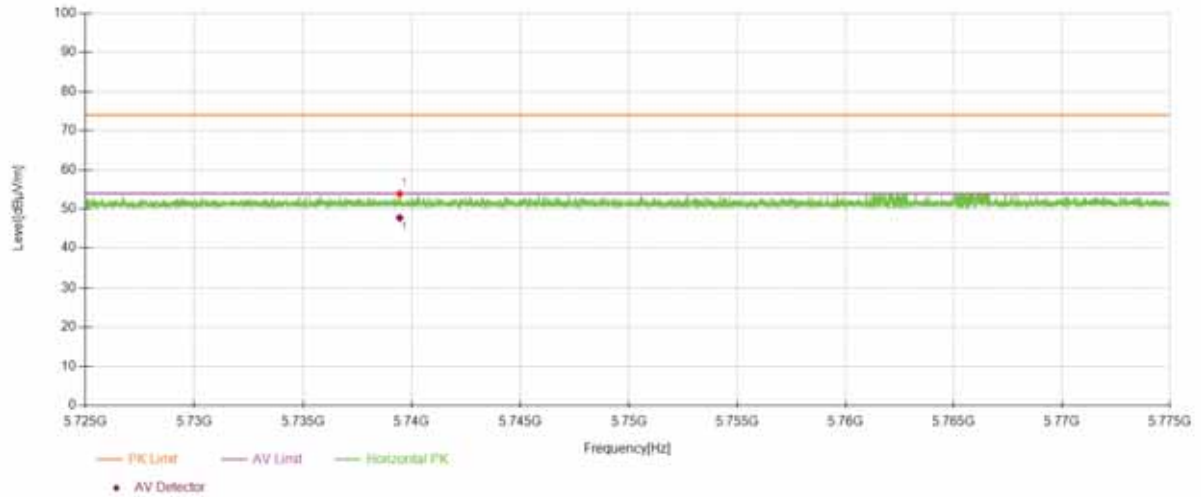
U-NII -2C				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11a	Channel 100: 5500MHz	Ant.Pol	H



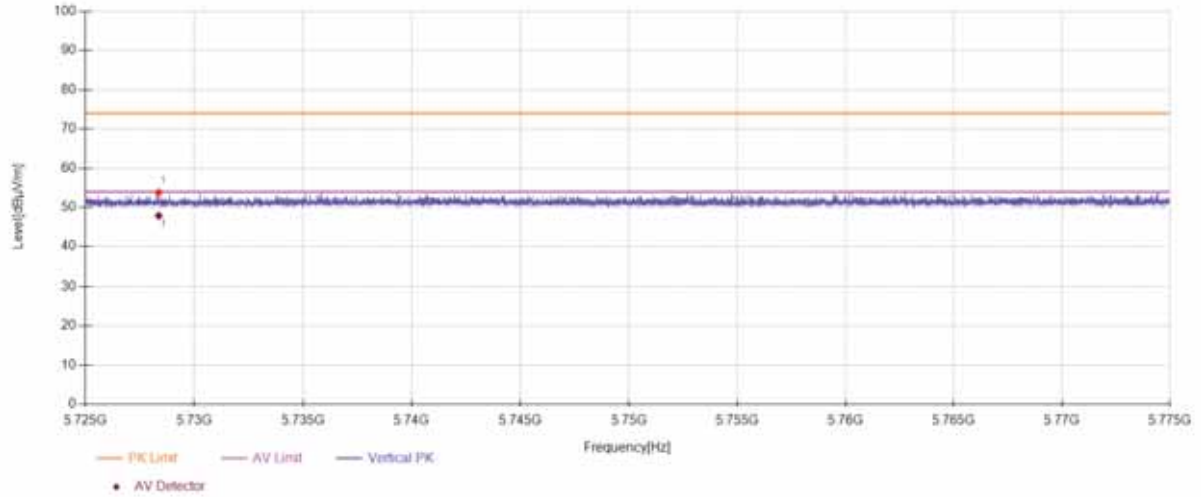
U-NII -2C				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11a	Channel 100: 5500MHz	Ant.Pol	V



U-NII -2C				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11a	Channel 140: 5700MHz	Ant.Pol	H



U-NII -2C				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11a	Channel 140: 5700MHz	Ant.Pol	V





**BL-M8832AUI**

Test mode: 802.11a Frequency: Channel 100: 5500MHz

Freq. (MHz)	Ant.Pol.	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5437.91	H	53.38	-41.85	-27	Pass
5438.87	V	53.39	-41.84	-27	Pass

Test mode: 802.11a Frequency: Channel 140: 5700MHz

Freq. (MHz)	Ant.Pol.	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5741.84	H	54.73	-40.5	-27	Pass
5742.35	V	54.61	-40.62	-27	Pass

**Note:** (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).  
 (2) Emission Level= Reading Level+Probe Factor +Cable Loss.  
 (3) EIRP[dBm] = E[dBμV/m] + 20 log(d[meters]) - 104.77  
 d is the measurement distance in 3 meters

Test mode: 802.11a Frequency: Channel 100: 5500MHz

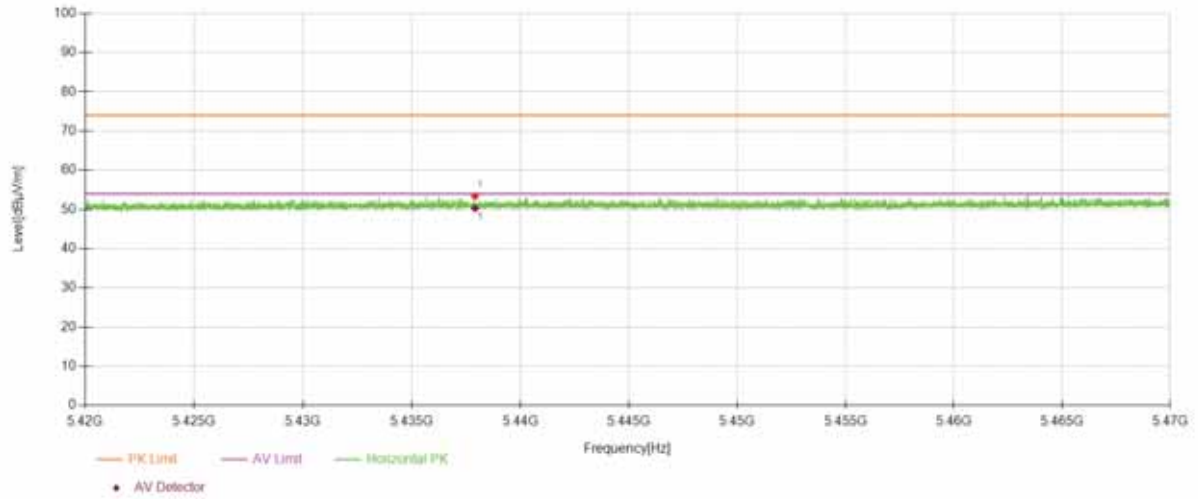
Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
5437.91	H	53.38	74	50.34	54
5438.87	V	53.39	74	47.02	54

Test mode: 802.11a Frequency: Channel 140: 5700MHz

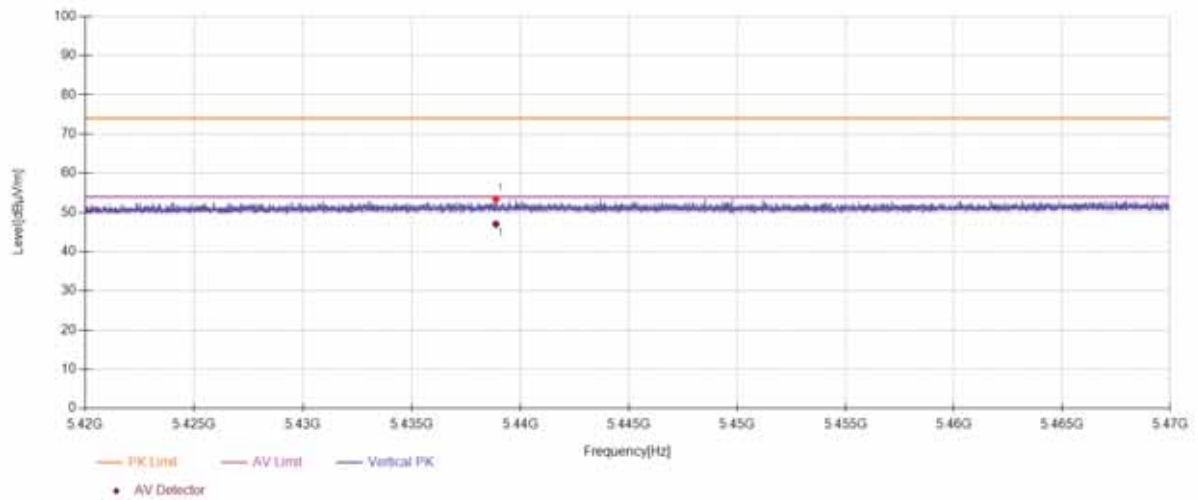
Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
5741.84	H	54.73	74	47.74	54
5742.35	V	54.61	74	47.70	54

**Note:** (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).  
 (2) Emission Level= Reading Level+Correct Factor.  
 (3) Correct Factor= Ant\_F + Cab\_L - Preamp  
 (4) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

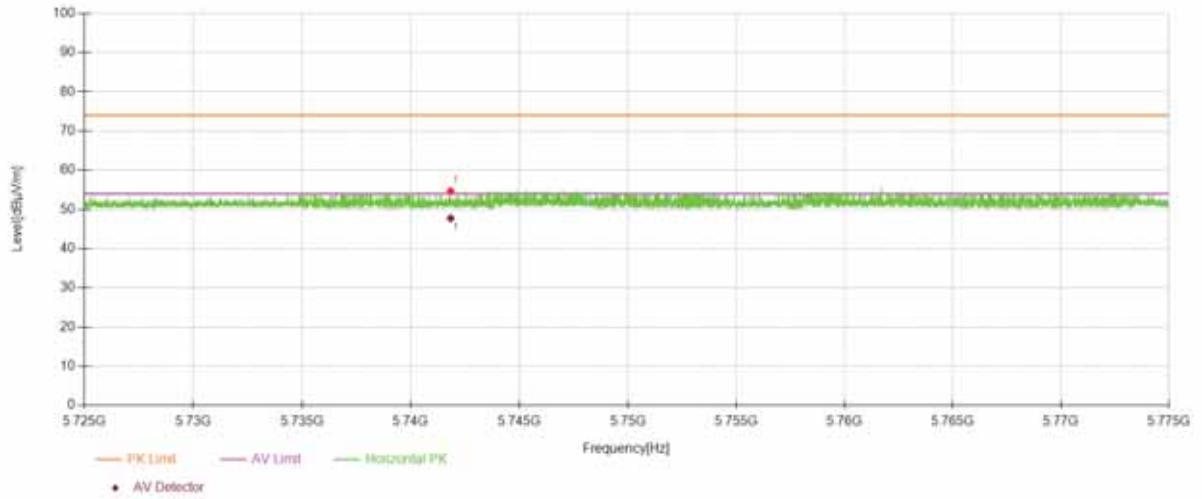
U-NII -2C				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11a	Channel 100: 5500MHz	Ant.Pol	H



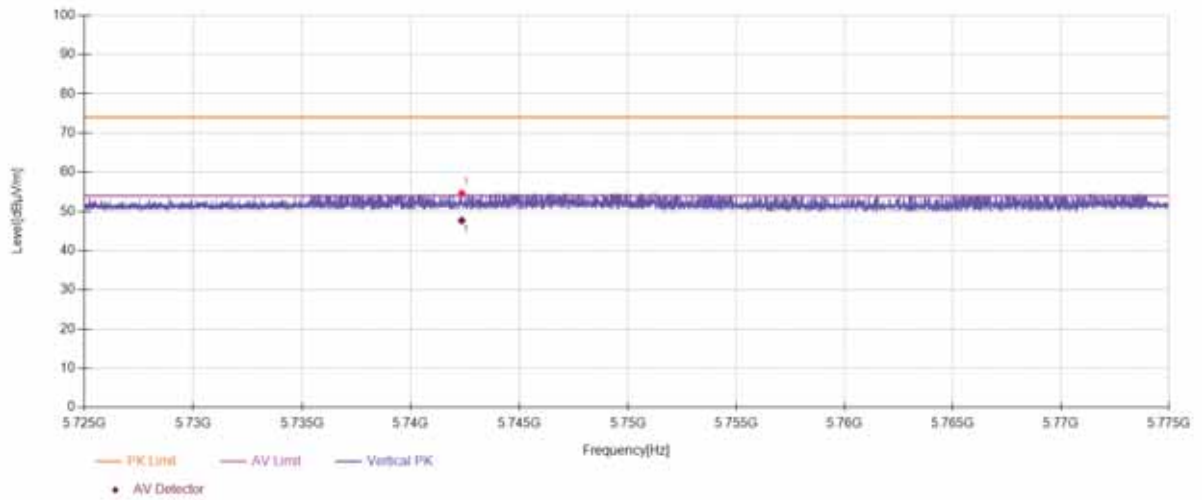
U-NII -2C				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11a	Channel 100: 5500MHz	Ant.Pol	V



U-NII -2C				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11a	Channel 140: 5700MHz	Ant.Pol	H



U-NII -2C				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11a	Channel 140: 5700MHz	Ant.Pol	V



- For Undesirable radiated Spurious Emission in U-NII -3
    - Undesirable radiated Spurious Emission Above 1GHz (1GHz to 40GHz)
- All the antenna(Antenna 1&2) and modes(802.11a/n/ac/ax) has been tested and the worst(Antenna 1&2, 802.11a) result recorded was report as below:

**BL-M7621AX7**

Test mode: 802.11a Frequency: Channel 149: 5745MHz

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
11493.2	V	60.07	-35.16	-27	8.16
14604.2	V	62.72	-32.51	-27	5.51
17487.8	V	67.53	-27.7	-27	0.7
11408.2	H	59.79	-35.44	-27	8.44
14523.5	H	62.86	-32.37	-27	5.37
17507	H	67.25	-27.98	-27	0.98

Test mode: 802.11a Frequency: Channel 157: 5785MHz

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
11489	V	60.14	-35.09	-27	8.09
14578.7	V	62.39	-32.84	-27	5.84
17498.5	V	68.13	-27.1	-27	0.1
11469.8	H	60.04	-35.19	-27	8.19
14623.3	H	62.24	-32.99	-27	5.99
17502.7	H	67.87	-27.36	-27	0.36

Test mode: 802.11a Frequency: Channel 165: 5825MHz

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
11514.5	V	59.65	-35.58	-27	8.58
14680.7	V	62.76	-32.47	-27	5.47
17492.6	V	64.32	-30.91	-27	3.91
11533.6	H	59.45	-35.78	-27	8.78
14629.7	H	62.90	-32.33	-27	5.33
17519.7	H	67.82	-27.41	-27	0.41

**Note:** (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).  
 (2) Emission Level= Reading Level+Probe Factor +Cable Loss.  
 (3)EIRP[dBm] = E[dBμV/m] + 20 log(d[meters]) - 104.77  
 d is the measurement distance in 3 meters

Test mode: 802.11a Frequency: Channel 149: 5745MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
11493.2	V	60.07	49.56	74.00	54.00	13.93	4.44
14604.2	V	62.72	49.88	74.00	54.00	11.28	4.12
17487.8	V	67.53	46.68	74.00	54.00	6.47	7.32
11408.2	H	59.79	48.25	74.00	54.00	14.21	5.75
14523.5	H	62.86	48.89	74.00	54.00	11.14	5.11
17507	H	67.25	47.02	74.00	54.00	6.75	6.98

Test mode: 802.11a Frequency: Channel 157: 5785MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
11489	V	60.14	48.99	74.00	54.00	13.86	5.01
14578.7	V	62.39	49.68	74.00	54.00	11.61	4.32
17498.5	V	68.13	46.83	74.00	54.00	5.87	7.17
11469.8	H	60.04	49.12	74.00	54.00	13.96	4.88
14623.3	H	62.24	49.50	74.00	54.00	11.76	4.50
17502.7	H	67.87	47.44	74.00	54.00	6.13	6.56

Test mode:: 802.11a Frequency: Channel 165: 5825MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
11514.5	V	59.65	49.67	74.00	54.00	14.35	4.33
14680.7	V	62.76	48.38	74.00	54.00	11.24	5.62
17496.3	V	68.59	47.35	74.00	54.00	5.41	6.65
11533.6	H	59.45	49.37	74.00	54.00	14.55	4.63
14629.7	H	62.90	49.45	74.00	54.00	11.10	4.55
17519.7	H	67.82	46.31	74.00	54.00	6.18	7.69

- Note:**
- (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).
  - (2) Emission Level= Reading Level+Correct Factor.
  - (3) Correct Factor= Ant\_F + Cab\_L - Preamp
  - (4) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

### BL-M8832AUI

Test mode: 802.11a Frequency: Channel 149: 5745MHz

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
11247.6	V	59.62	-35.61	-27	8.61
14564.2	V	62.90	-32.33	-27	5.33
17498.2	V	67.17	-28.06	-27	1.06
11536.7	H	60.05	-35.18	-27	8.18
14598.2	H	63.23	-32	-27	5
17489.7	H	66.93	-28.3	-27	1.3

Test mode: 802.11a Frequency: Channel 157: 5785MHz

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
11528.2	V	59.39	-35.84	-27	8.84
14725.8	V	62.96	-32.27	-27	5.27
17489.7	V	67.13	-28.1	-27	1.1
11494.2	H	59.66	-35.57	-27	8.57
14538.7	H	62.54	-32.69	-27	5.69
17523.7	H	67.71	-27.52	-27	0.52

Test mode: 802.11a Frequency: Channel 165: 5825MHz

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
11324.1	V	60.02	-35.21	-27	8.21
14615.3	V	63.23	-32	-27	5
17472.7	V	67.28	-27.95	-27	0.95
11349.6	H	59.61	-35.62	-27	8.62
14666.3	H	62.82	-32.41	-27	5.41
17498.2	H	67.68	-27.55	-27	0.55

- Note:**
- (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).
  - (2) Emission Level= Reading Level+Probe Factor +Cable Loss.
  - (3) EIRP[dBm] = E[dBμV/m] + 20 log(d[meters]) - 104.77  
d is the measurement distance in 3 meters

Test mode: 802.11a Frequency: Channel 149: 5745MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
11247.6	V	59.62	48.26	74.00	54.00	14.38	5.74
14564.2	V	62.90	49.54	74.00	54.00	11.10	4.46
17498.2	V	67.17	47.04	74.00	54.00	6.83	6.96
11536.7	H	60.05	49.12	74.00	54.00	13.95	4.88
14598.2	H	63.23	49.90	74.00	54.00	10.77	4.10
17489.7	H	66.93	46.62	74.00	54.00	7.07	7.38

Test mode: 802.11a Frequency: Channel 157: 5785MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
11528.2	V	59.39	48.72	74.00	54.00	14.61	5.28
14725.8	V	62.96	47.98	74.00	54.00	11.04	6.02
17489.7	V	67.13	47.19	74.00	54.00	6.87	6.81
11494.2	H	59.66	48.92	74.00	54.00	14.34	5.08
14538.7	H	62.54	49.25	74.00	54.00	11.46	4.75
17523.7	H	67.71	46.39	74.00	54.00	6.29	7.61

Test mode:: 802.11a Frequency: Channel 165: 5825MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
11324.1	V	60.02	48.42	74.00	54.00	13.98	5.58
14615.3	V	63.23	49.66	74.00	54.00	10.77	4.34
17472.7	V	67.28	45.88	74.00	54.00	6.72	8.12
11349.6	H	59.61	48.27	74.00	54.00	14.39	5.73
14666.3	H	62.82	48.97	74.00	54.00	11.18	5.03
17498.2	H	67.68	47.04	74.00	54.00	6.32	6.96

- Note:**
- (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).
  - (2) Emission Level= Reading Level+Correct Factor.
  - (3) Correct Factor= Ant\_F + Cab\_L - Preamp
  - (4) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

● Undesirable radiated Undesirable radiated Spurious Emission in Band Edge  
All the antenna(Antenna 1&2) and modes(802.11a/n/ac/ax) has been tested and the worst(Antenna 1&2, 802.11a) result recorded was report as below:

**BL-M7621AX7**

Test mode: 802.11a Frequency: Channel 149: 5745MHz

Freq. (MHz)	Ant.Pol.	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5681.41	H	54.25	-40.98	-3.64	Pass
5676.16	V	54.02	-41.21	-7.53	Pass

Test mode: 802.11a Frequency: Channel 165: 5825MHz

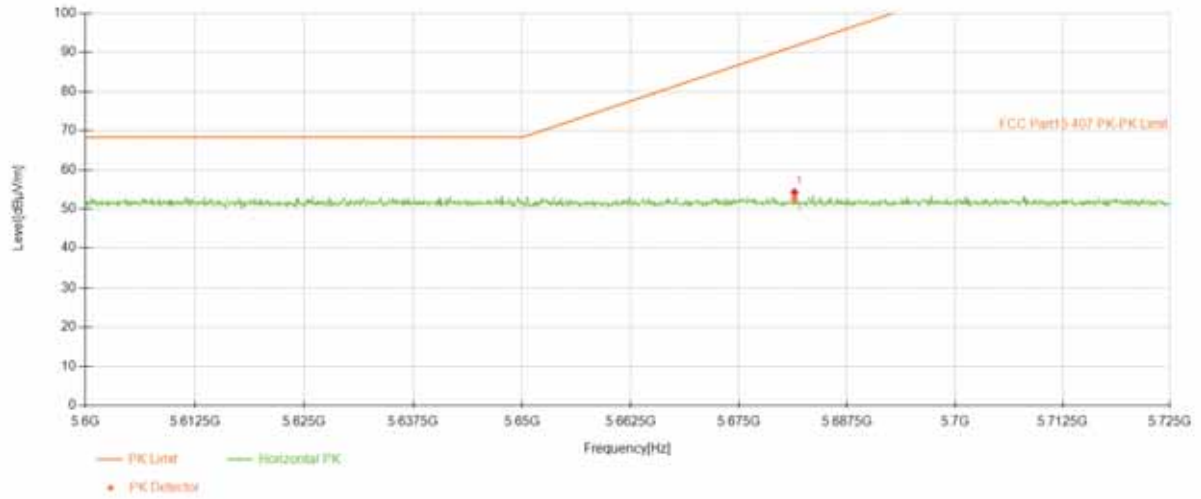
Freq. (MHz)	Ant.Pol.	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5904.21	H	53.79	-41.44	-11.59	Pass
5915.28	V	53.76	-41.47	-19.76	Pass

**Note:** (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).  
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.  
(3)EIRP[dBm] = E[dBuV/m] + 20 log(d[meters]) - 104.77  
d is the measurement distance in 3 meters



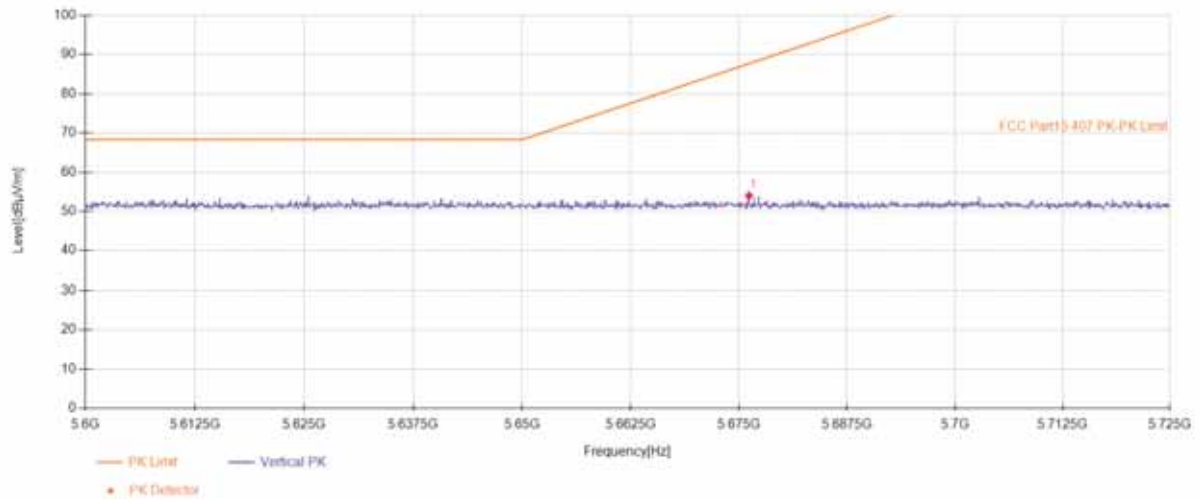
U-NII -3

Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11a	Channel 149: 5745MHz	Ant.Pol	H



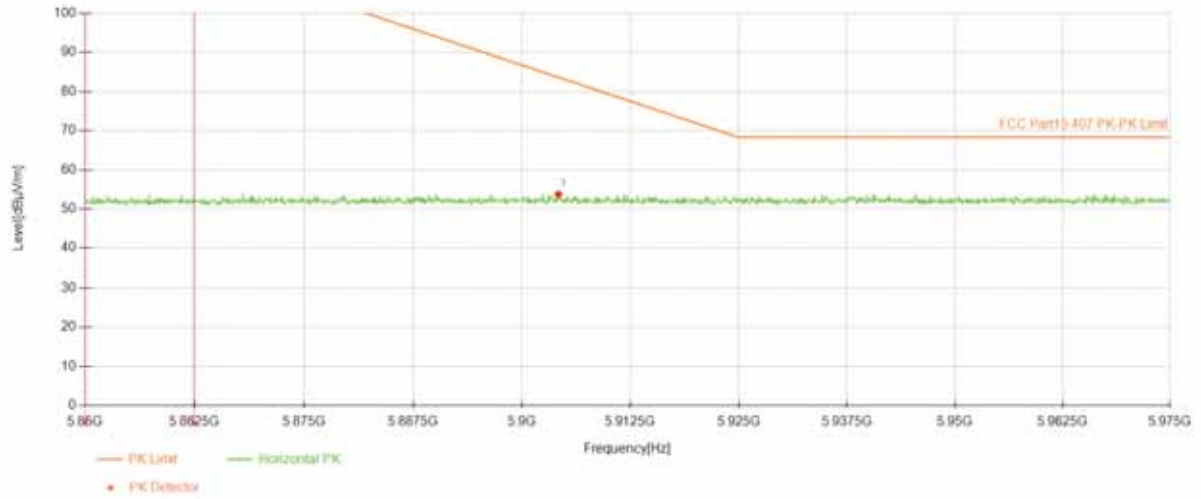
U-NII -3

Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11a	Channel 149: 5745MHz	Ant.Pol	V



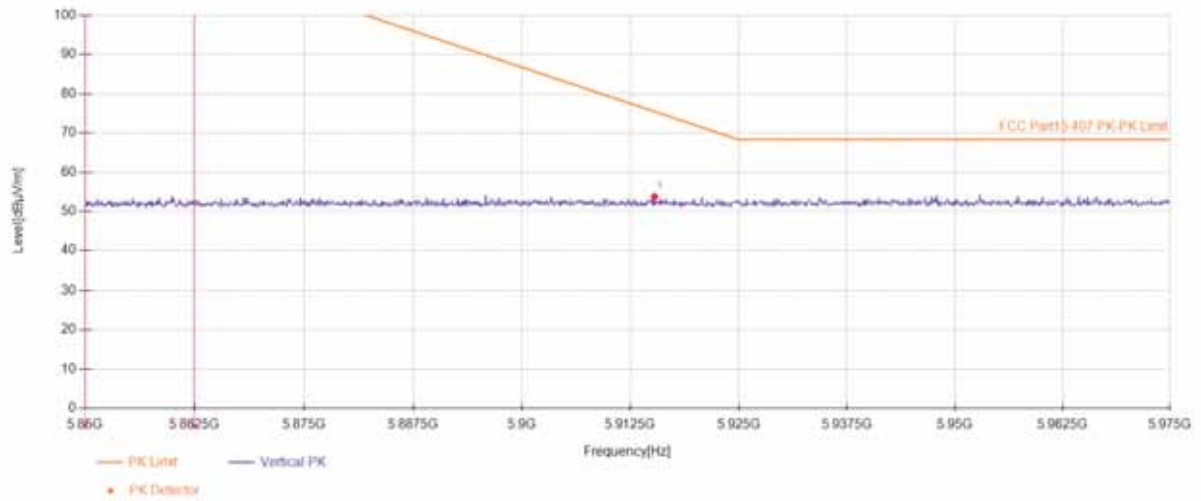
U-NII -3

Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11a	Channel 165: 5825MHz	Ant.Pol	H



U-NII -3

Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11a	Channel 165: 5825MHz	Ant.Pol	V



**BL-M8832AUI**

Test mode: 802.11a Frequency: Channel 149: 5745MHz

Freq. (MHz)	Ant.Pol.	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5661.71	H	53.84	-41.39	-18.23	Pass
5671.72	V	53.17	-42.06	-10.81	Pass

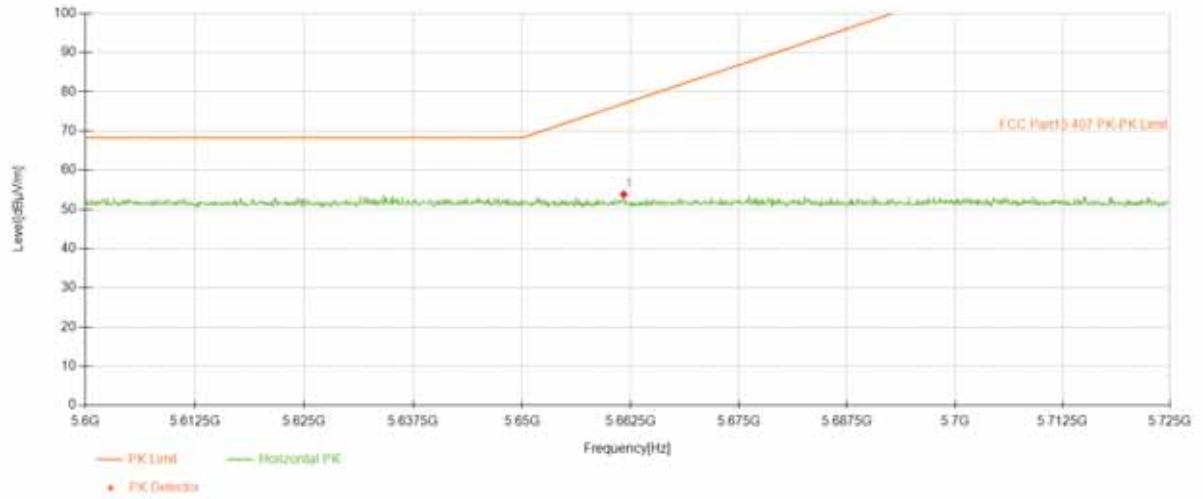
Test mode: 802.11a Frequency: Channel 165: 5825MHz

Freq. (MHz)	Ant.Pol.	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5871.44	H	54.05	-41.18	11.06	Pass
5885.33	V	53.60	-41.63	2.4	Pass

- Note:**
- (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).
  - (2) Emission Level= Reading Level+Probe Factor +Cable Loss.
  - (3)  $EIRP[dBm] = E[dB\mu V/m] + 20 \log(d[meters]) - 104.77$   
d is the measurement distance in 3 meters

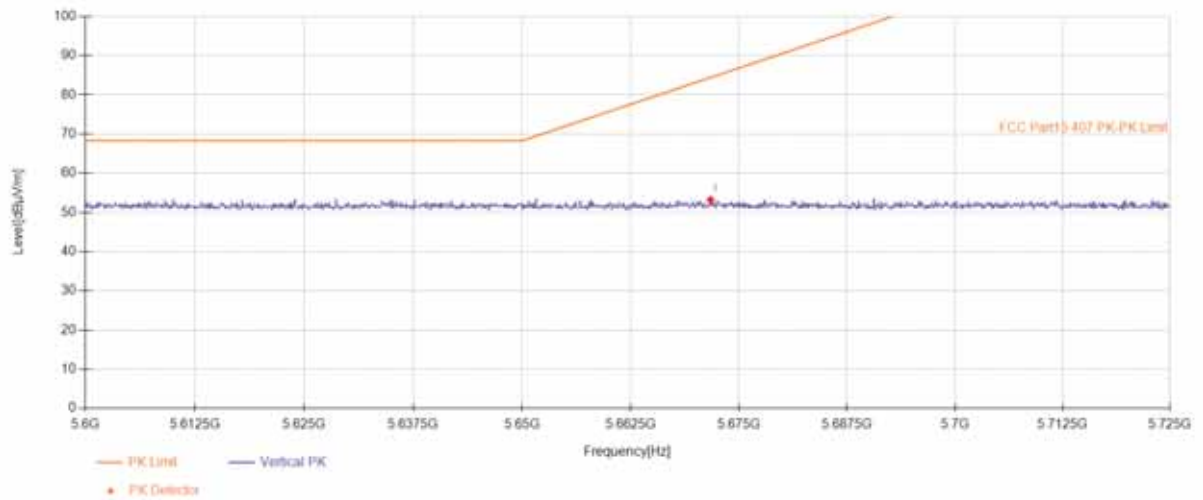
U-NII -3

Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11a	Channel 149: 5745MHz	Ant.Pol	H



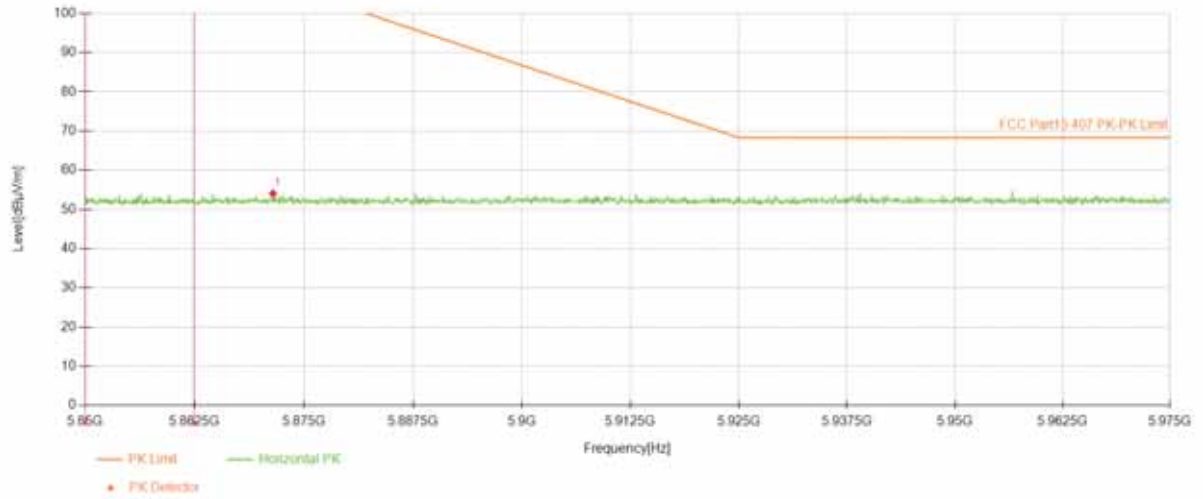
U-NII -3

Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11a	Channel 149: 5745MHz	Ant.Pol	V



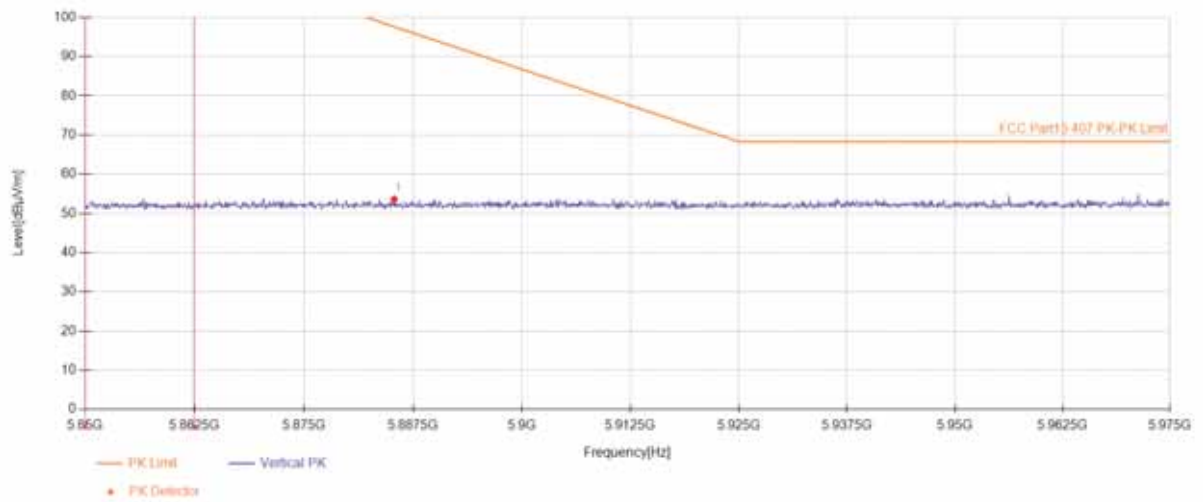
U-NII -3

Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11a	Channel 165: 5825MHz	Ant.Pol	H



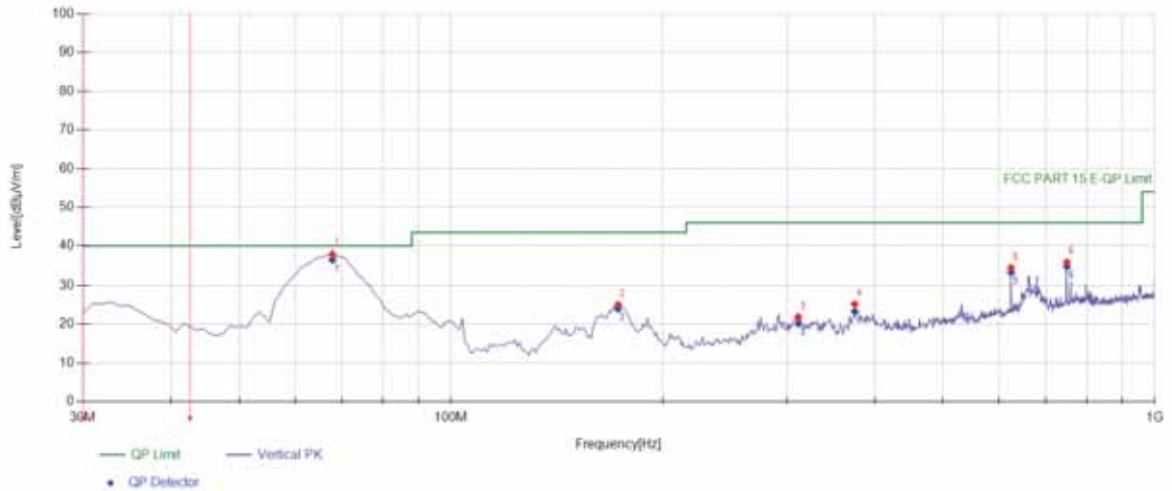
U-NII -3

Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11a	Channel 165: 5825MHz	Ant.Pol	V

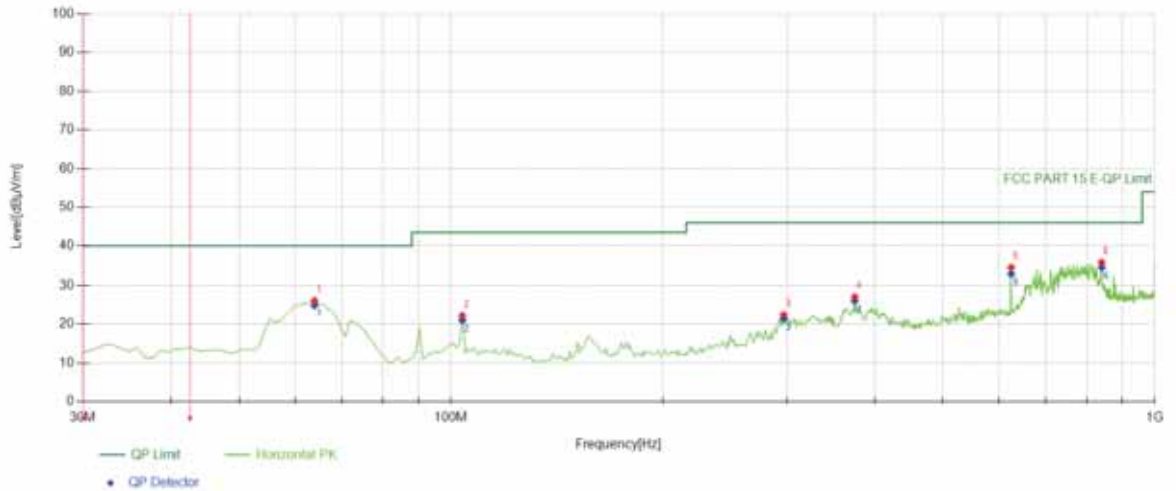


- Undesirable radiated Spurious Emission below 1GHz (30MHz to 1GHz)  
All the antenna(Antenna 1&2) and modes(802.11a/n/ac/ax) has been tested and the worst(Antenna 1&2, 802.11a) result recorded was report as below:

**BL-M7621AX7  
5180**



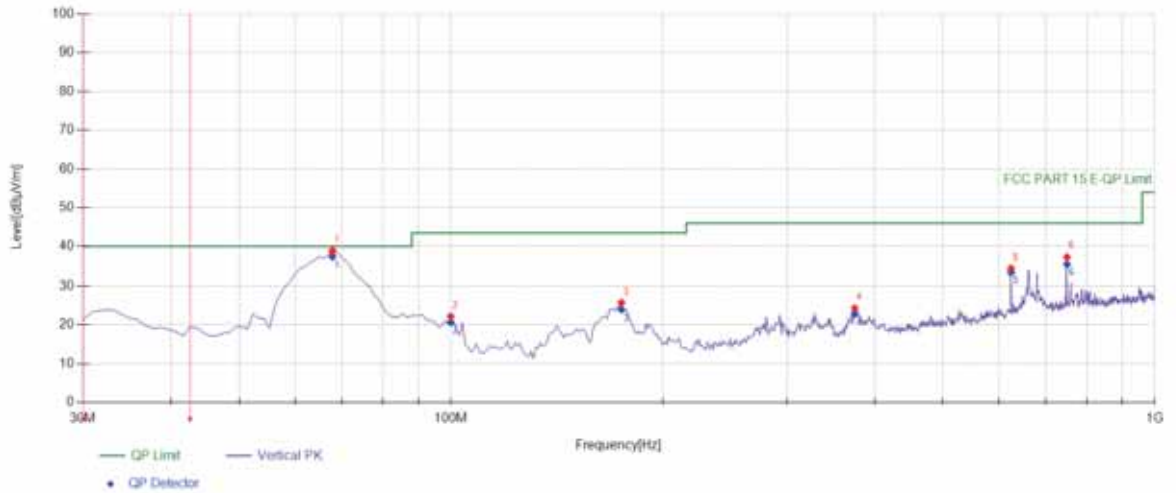
Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	67.8679	57.74	-19.66	38.08	PK	40.00	1.92	Vertical
2	172.732	43.86	-18.80	25.06	PK	43.50	18.44	Vertical
3	311.581	36.06	-14.15	21.91	PK	46.00	24.09	Vertical
4	374.694	37.44	-12.26	25.18	PK	46.00	20.82	Vertical
5	625.205	41.49	-6.92	34.57	PK	46.00	11.43	Vertical
6	750.460	41.39	-5.33	36.06	PK	46.00	9.94	Vertical



**Suspected Data List**

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	63.984	45.20	-19.11	26.09	PK	40.00	13.91	Horizontal
2	103.793	39.25	-17.00	22.25	PK	43.50	21.25	Horizontal
3	297.017	36.61	-14.15	22.46	PK	46.00	23.54	Horizontal
4	374.694	39.32	-12.26	27.06	PK	46.00	18.94	Horizontal
5	625.205	41.60	-6.92	34.68	PK	46.00	11.32	Horizontal
6	840.760	39.87	-3.86	36.01	PK	46.00	9.99	Horizontal

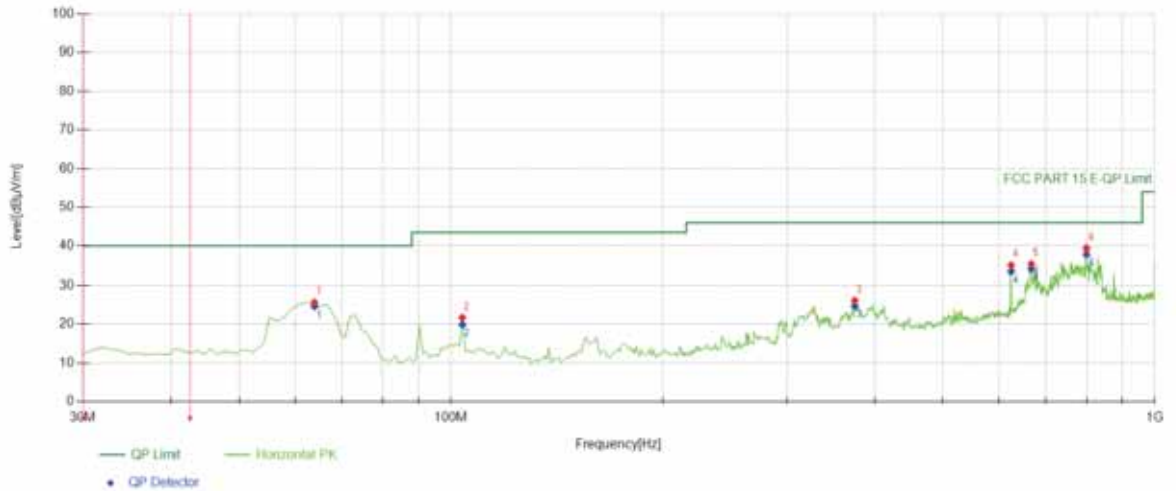
5200



**Suspected Data List**

NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	67.8679	58.59	-19.66	38.93	PK	40.00	1.07	Vertical
2	99.9099	39.04	-16.82	22.22	PK	43.50	21.28	Vertical
3	174.674	44.43	-18.69	25.74	PK	43.50	17.76	Vertical
4	374.694	36.56	-12.26	24.30	PK	46.00	21.70	Vertical
5	625.205	41.50	-6.92	34.58	PK	46.00	11.42	Vertical
6	750.460	42.82	-5.33	37.49	PK	46.00	8.51	Vertical

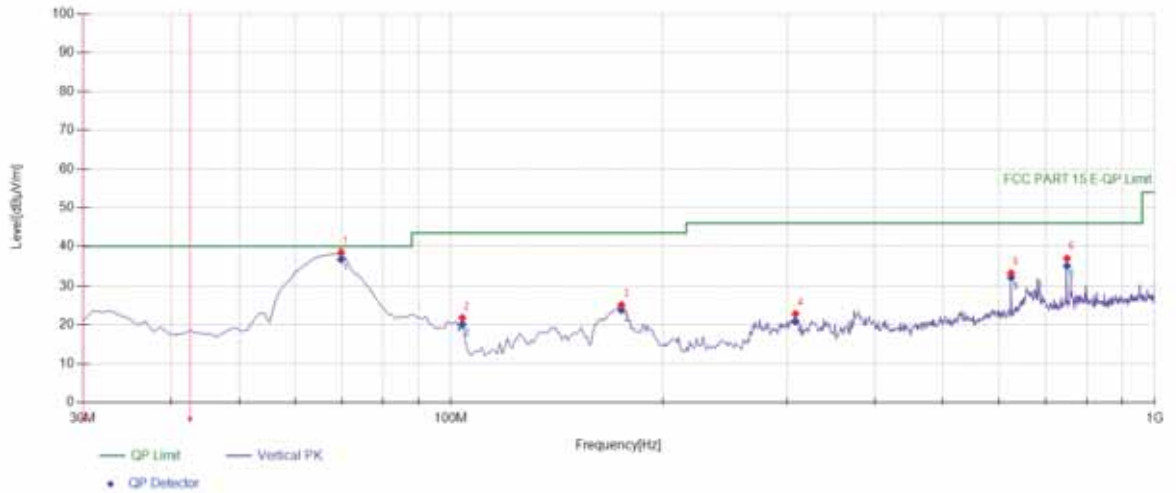




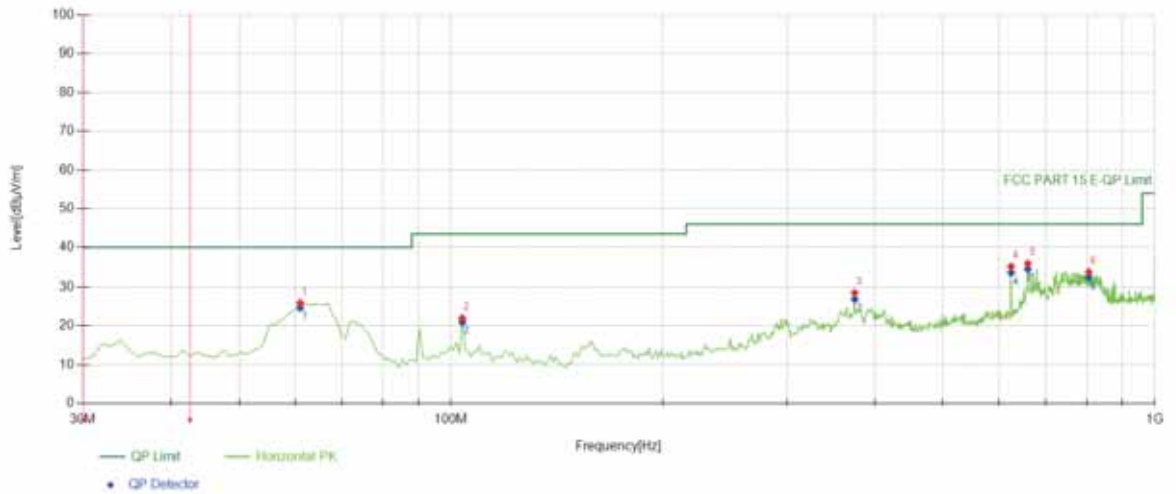
**Suspected Data List**

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	63.984	44.76	-19.11	25.65	PK	40.00	14.35	Horizontal
2	103.793	38.73	-17.00	21.73	PK	43.50	21.77	Horizontal
3	374.694	38.39	-12.26	26.13	PK	46.00	19.87	Horizontal
4	625.205	42.19	-6.92	35.27	PK	46.00	10.73	Horizontal
5	667.927	41.74	-6.15	35.59	PK	46.00	10.41	Horizontal
6	799.98	43.86	-4.42	39.44	PK	46.00	6.56	Horizontal

5240



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	69.8098	58.53	-19.94	38.59	PK	40.00	1.41	Vertical
2	103.793	38.81	-17.00	21.81	PK	43.50	21.69	Vertical
3	174.674	43.85	-18.69	25.16	PK	43.50	18.34	Vertical
4	308.668	37.02	-14.15	22.87	PK	46.00	23.13	Vertical
5	625.205	40.27	-6.92	33.35	PK	46.00	12.65	Vertical
6	750.460	42.49	-5.33	37.16	PK	46.00	8.84	Vertical

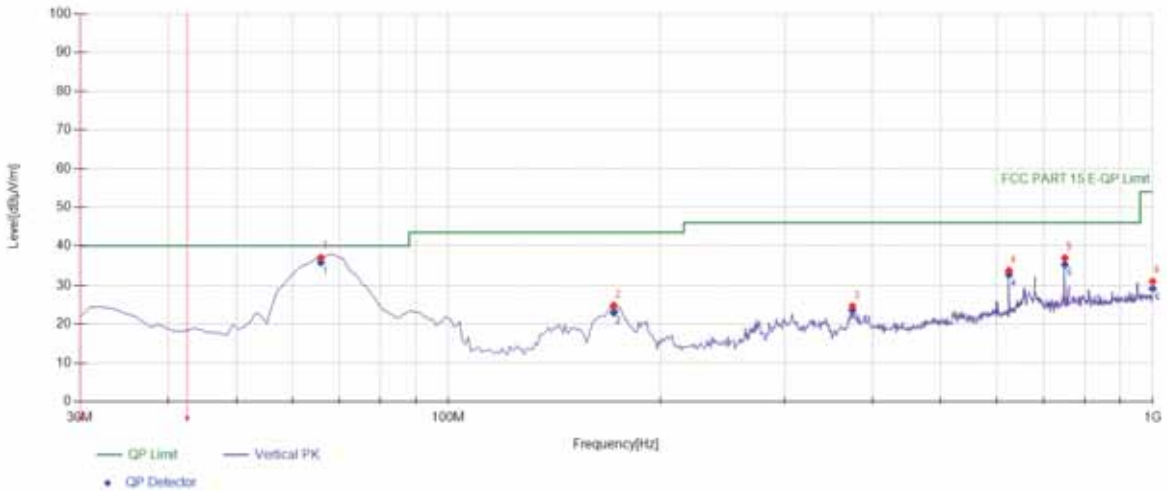


**Suspected Data List**

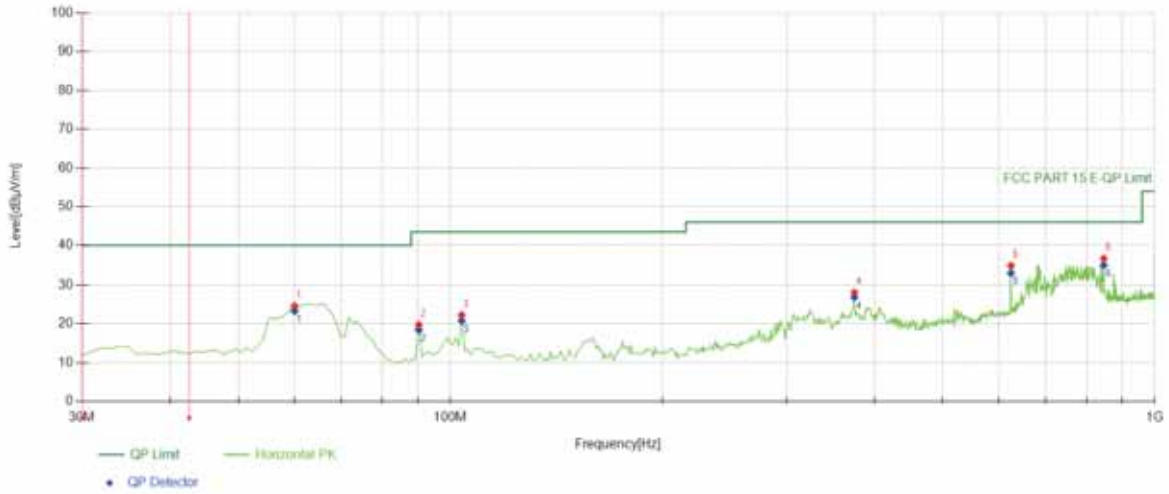
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	61.0711	44.60	-18.70	25.90	PK	40.00	14.10	Horizontal
2	103.793	38.98	-17.00	21.98	PK	43.50	21.52	Horizontal
3	374.694	40.81	-12.26	28.55	PK	46.00	17.45	Horizontal
4	625.205	42.27	-6.92	35.35	PK	46.00	10.65	Horizontal
5	660.160	42.25	-6.13	36.12	PK	46.00	9.88	Horizontal
6	805.805	38.26	-4.37	33.89	PK	46.00	12.11	Horizontal

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5180



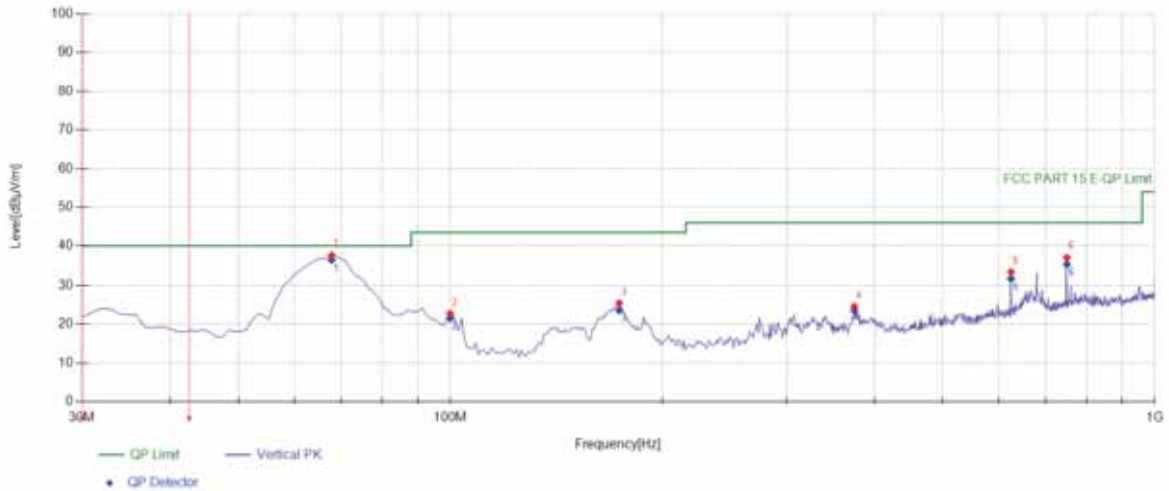
Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	65.9259	56.60	-19.39	37.21	PK	40.00	2.79	Vertical
2	171.761	43.73	-18.86	24.87	PK	43.50	18.63	Vertical
3	374.694	36.88	-12.26	24.62	PK	46.00	21.38	Vertical
4	625.205	40.78	-6.92	33.86	PK	46.00	12.14	Vertical
5	750.460	42.45	-5.33	37.12	PK	46.00	8.88	Vertical
6	1000	32.79	-1.72	31.07	PK	54.00	22.93	Vertical



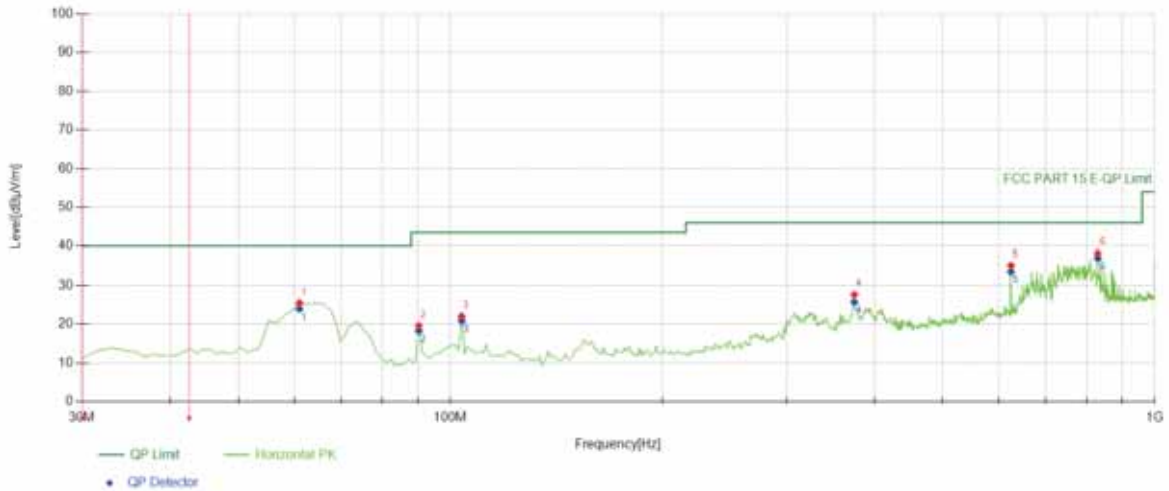
**Suspected Data List**

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	60.1001	43.20	-18.56	24.64	PK	40.00	15.36	Horizontal
2	90.2002	38.88	-19.12	19.76	PK	43.50	23.74	Horizontal
3	103.793	39.31	-17.00	22.31	PK	43.50	21.19	Horizontal
4	374.694	40.40	-12.26	28.14	PK	46.00	17.86	Horizontal
5	625.205	41.94	-6.92	35.02	PK	46.00	10.98	Horizontal
6	846.586	40.68	-3.82	36.86	PK	46.00	9.14	Horizontal

5200



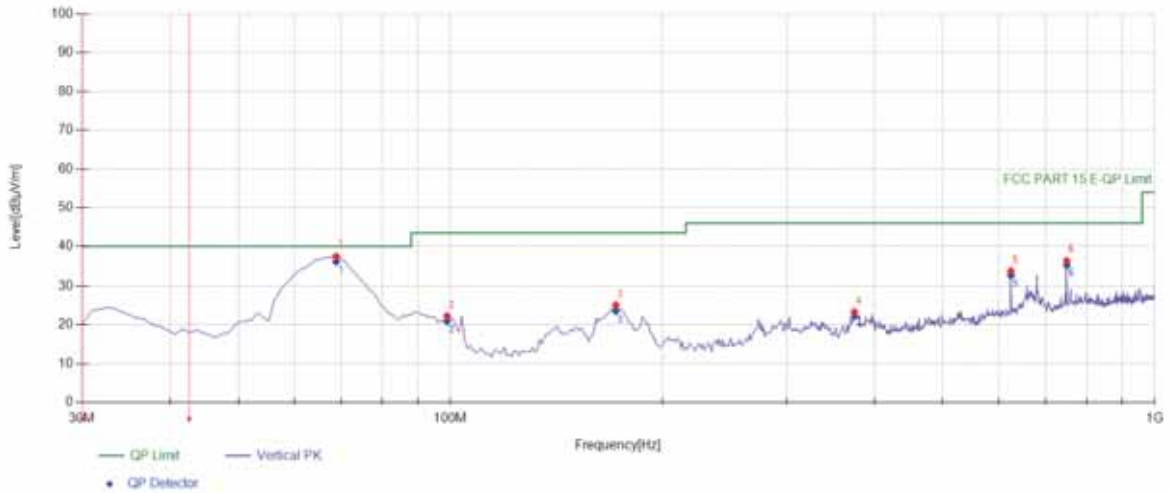
Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	67.8679	57.50	-19.66	37.84	PK	40.00	2.16	Vertical
2	99.9099	39.60	-16.82	22.78	PK	43.50	20.72	Vertical
3	173.703	44.22	-18.75	25.47	PK	43.50	18.03	Vertical
4	374.694	36.87	-12.26	24.61	PK	46.00	21.39	Vertical
5	625.205	40.41	-6.92	33.49	PK	46.00	12.51	Vertical
6	750.460	42.54	-5.33	37.21	PK	46.00	8.79	Vertical



**Suspected Data List**

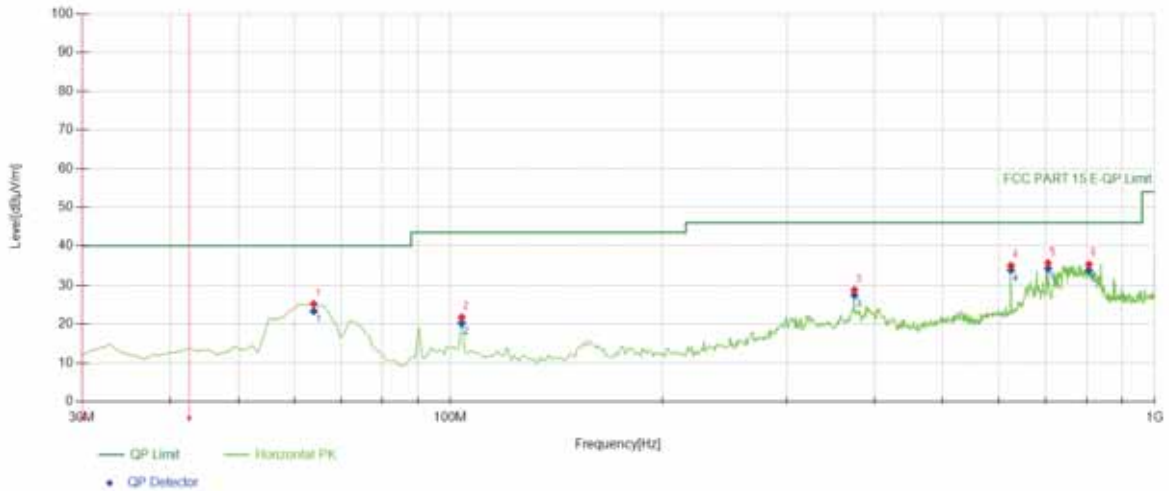
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	61.0711	44.21	-18.70	25.51	PK	40.00	14.49	Horizontal
2	90.2002	38.76	-19.12	19.64	PK	43.50	23.86	Horizontal
3	103.793	39.07	-17.00	22.07	PK	43.50	21.43	Horizontal
4	374.694	39.92	-12.26	27.66	PK	46.00	18.34	Horizontal
5	625.205	42.07	-6.92	35.15	PK	46.00	10.85	Horizontal
6	830.080	42.37	-4.12	38.25	PK	46.00	7.75	Horizontal

5240



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	68.8388	57.50	-19.80	37.70	PK	40.00	2.30	Vertical
2	98.9389	39.39	-17.05	22.34	PK	43.50	21.16	Vertical
3	171.761	43.98	-18.86	25.12	PK	43.50	18.38	Vertical
4	374.694	35.63	-12.26	23.37	PK	46.00	22.63	Vertical
5	625.205	40.85	-6.92	33.93	PK	46.00	12.07	Vertical
6	750.460	41.90	-5.33	36.57	PK	46.00	9.43	Vertical





**Suspected Data List**

NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	S [dB]	Polarity
1	63.984	44.37	-19.11	25.26	PK	40.00	14.74	Horizontal
2	103.793	38.80	-17.00	21.80	PK	43.50	21.70	Horizontal
3	374.694	41.10	-12.26	28.84	PK	46.00	17.16	Horizontal
4	625.205	42.09	-6.92	35.17	PK	46.00	10.83	Horizontal
5	705.795	41.70	-5.88	35.82	PK	46.00	10.18	Horizontal
6	806.776	39.86	-4.37	35.49	PK	46.00	10.51	Horizontal

## 8.6 POWER LINE CONDUCTED EMISSIONS

### 8.6.1 Applicable Standard

According to FCC Part 15.207(a)  
According to IC RSS-Gen 8.8

### 8.6.2 Conformance Limit

Frequency(MHz)	Conducted Emission Limit	
	Quasi-peak	Average
0.15-0.5	66-56	56-46
0.5-5.0	56	46
5.0-30.0	60	50

Note: 1. The lower limit shall apply at the transition frequencies  
2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

### 8.6.3 Test Configuration

Test according to clause 6.3 conducted emission test setup

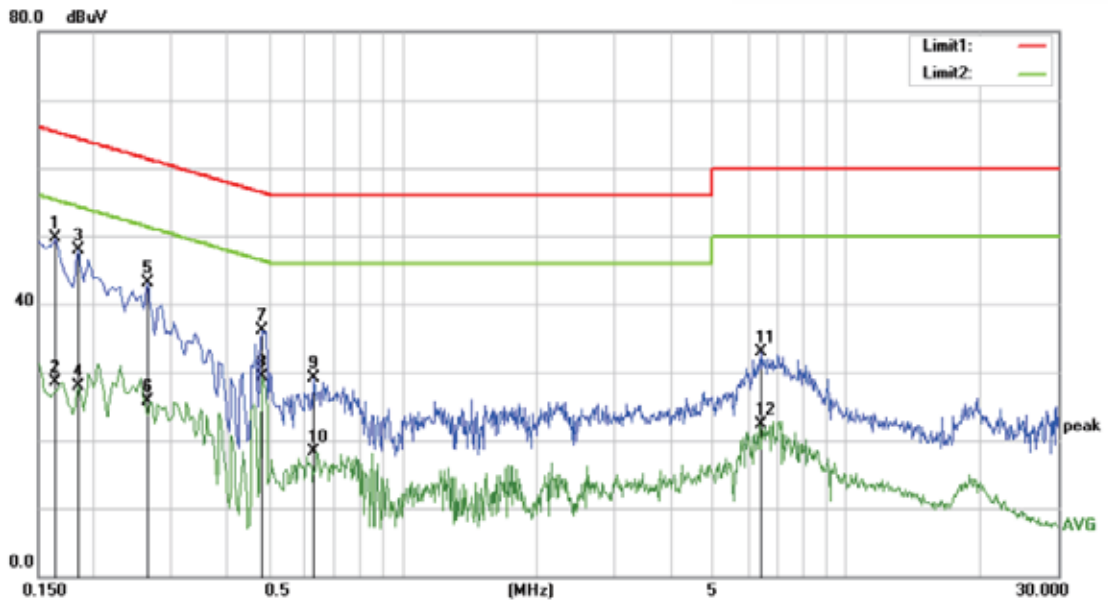
### 8.6.4 Test Procedure

The EUT was placed on a table which is 0.8m above ground plane.  
Maximum procedure was performed on the highest emissions to ensure EUT compliance.  
Repeat above procedures until all frequency measured were complete.

### 8.6.5 Test Results

Pass

The AC120V &240V voltage have been tested, and the worst result recorded was report as below:



Site Conduction #1

Phase: **L1**

Temperature: 21.9

Limit: (CE)FCC PART 15 class A\_QP

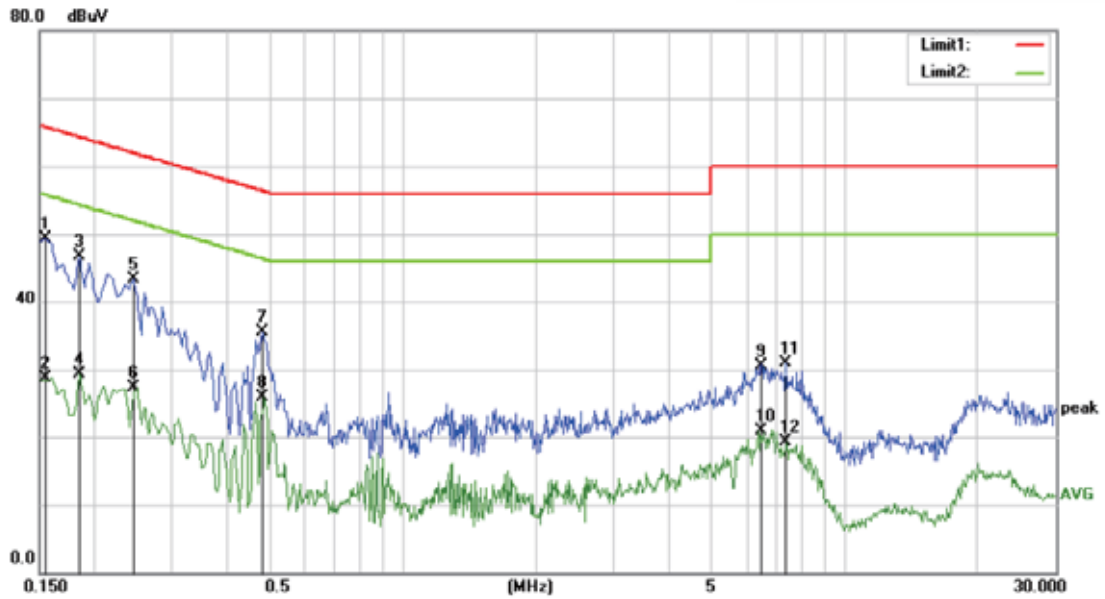
Power: AC 230V/50Hz

Humidity: 58 %

Mode: WiFi mode 3

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	0.1650	40.09	9.53	49.62	65.21	-15.59	QP	
2		0.1650	19.03	9.53	28.56	55.21	-26.65	AVG	
3		0.1850	38.45	9.53	47.98	64.26	-16.28	QP	
4		0.1850	18.34	9.53	27.87	54.26	-26.39	AVG	
5		0.2650	33.53	9.53	43.06	61.27	-18.21	QP	
6		0.2650	16.10	9.53	25.63	51.27	-25.64	AVG	
7		0.4800	26.62	9.53	36.15	56.34	-20.19	QP	
8		0.4800	19.74	9.53	29.27	46.34	-17.07	AVG	
9		0.6300	19.59	9.54	29.13	56.00	-26.87	QP	
10		0.6300	8.73	9.54	18.27	46.00	-27.73	AVG	
11		6.4050	23.30	9.61	32.91	60.00	-27.09	QP	
12		6.4050	12.70	9.61	22.31	50.00	-27.69	AVG	



Site Conduction #1

Phase: **N**

Temperature: 21.9

Limit: (CE)FCC PART 15 class A\_QP

Power: AC 230V/50Hz

Humidity: 58 %

Mode: WiFi mode 3

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	0.1550	39.82	9.53	49.35	65.73	-16.38	QP	
2		0.1550	19.22	9.53	28.75	55.73	-26.98	AVG	
3		0.1850	37.13	9.53	46.66	64.26	-17.60	QP	
4		0.1850	19.84	9.53	29.37	54.26	-24.89	AVG	
5		0.2450	33.83	9.53	43.36	61.92	-18.56	QP	
6		0.2450	17.71	9.53	27.24	51.92	-24.68	AVG	
7		0.4800	25.91	9.53	35.44	56.34	-20.90	QP	
8		0.4800	16.29	9.53	25.82	46.34	-20.52	AVG	
9		6.4800	20.99	9.61	30.60	60.00	-29.40	QP	
10		6.4800	11.31	9.61	20.92	50.00	-29.08	AVG	
11		7.3550	21.37	9.62	30.99	60.00	-29.01	QP	
12		7.3550	9.59	9.62	19.21	50.00	-30.79	AVG	

## 8.7 ANTENNA APPLICATION

### 8.7.1 Antenna Requirement

Standard	Requirement
FCC CRF Part 15.203	An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.
FCC 47 CFR Part 15.407(a)	If transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.
RSS-Gen Section 6.8	The applicant for equipment certification shall provide a list of all antenna types that may be used with the transmitter, where applicable (i.e. for transmitters with detachable antenna), indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. The test report shall demonstrate the compliance of the transmitter with the limit for maximum equivalent isotropically radiated power (e.i.r.p.) specified in the applicable RSS, when the transmitter is equipped with any antenna type, selected from this list.

### 8.7.2 Result

PASS.

- Note:
- Antenna use a permanently attached antenna which is not replaceable.
  - Not using a standard antenna jack or electrical connector for antenna replacement
  - The antenna has to be professionally installed (please provide method of installation)

Please refer to the attached document Internal Photos to show the antenna connector.

Detail of factor for radiated emission

Frequency(MHz)	Ant_F(dB)	Cab_L(dB)	Preamp(dB)	Correct Factor(dB)
0.009	20.6	0.03	\	20.63
0.15	20.7	0.1	\	20.8
1	20.9	0.15	\	21.05
10	20.1	0.28	\	20.38
30	18.8	0.45	\	19.25
30	11.7	0.62	27.9	-15.58
100	12.5	1.02	27.8	-14.28
300	12.9	1.91	27.5	-12.69
600	19.2	2.92	27	-4.88
800	21.1	3.54	26.6	-1.96
1000	22.3	4.17	26.2	0.27
1000	25.6	1.76	41.4	-14.04
3000	28.9	3.27	43.2	-11.03
5000	31.1	4.2	44.6	-9.3
8000	36.2	5.95	44.7	-2.55
10000	38.4	6.3	43.9	0.8
12000	38.5	7.14	42.3	3.34
15000	40.2	8.15	41.4	6.95
18000	45.4	9.02	41.3	13.12
18000	37.9	1.81	47.9	-8.19
21000	37.9	1.95	48.7	-8.85
25000	39.3	2.01	42.8	-1.49
28000	39.6	2.16	46.0	-4.24
31000	41.2	2.24	44.5	-1.06
34000	41.5	2.29	46.6	-2.81
37000	43.8	2.30	46.4	-0.3
40000	43.2	2.50	42.2	3.5

----- END OF REPORT -----