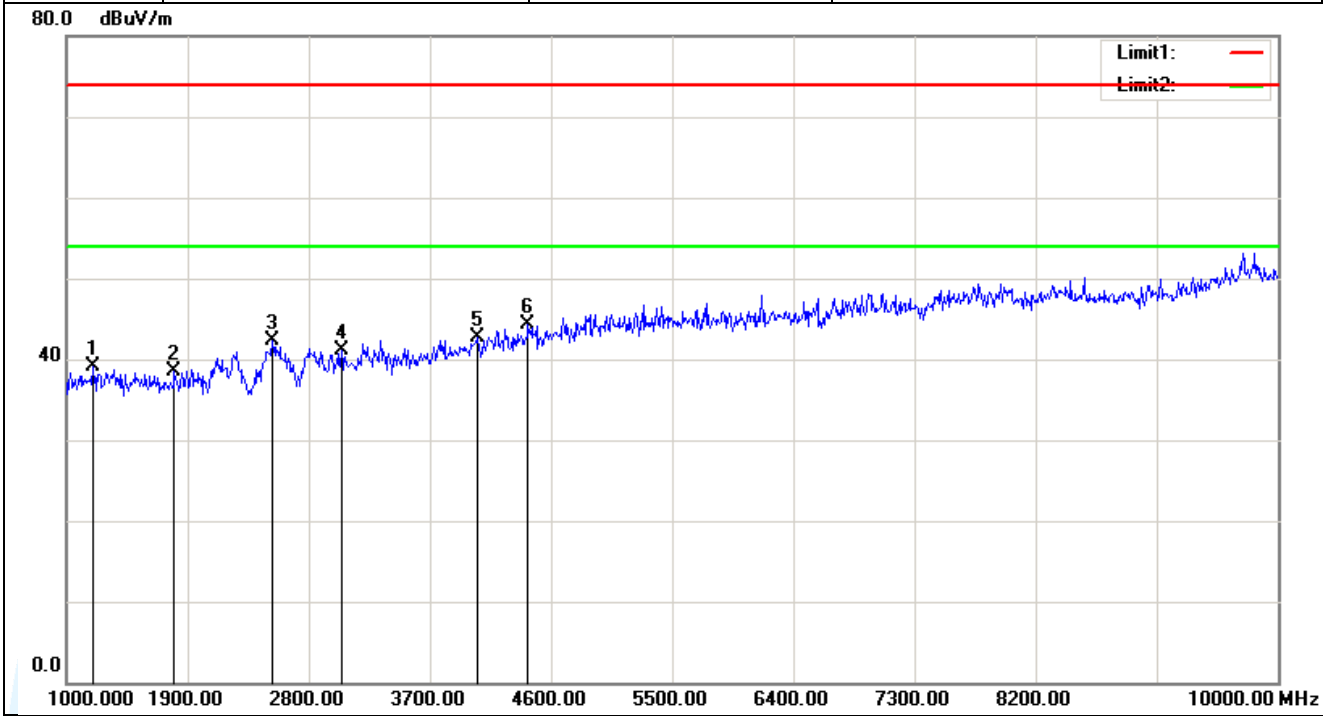
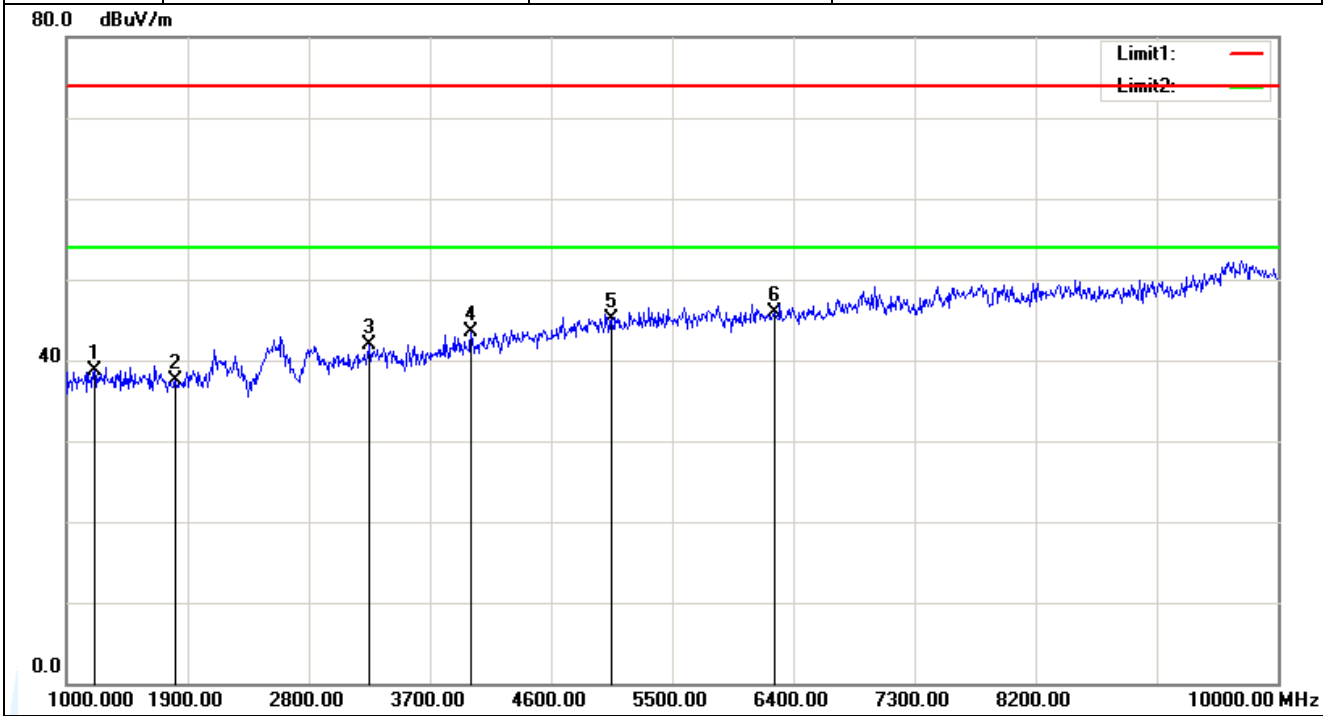
Mode	802.11n(HT20)	Antenna	Chain 0+1
Channel	6	Ant. Polar.	Vertical



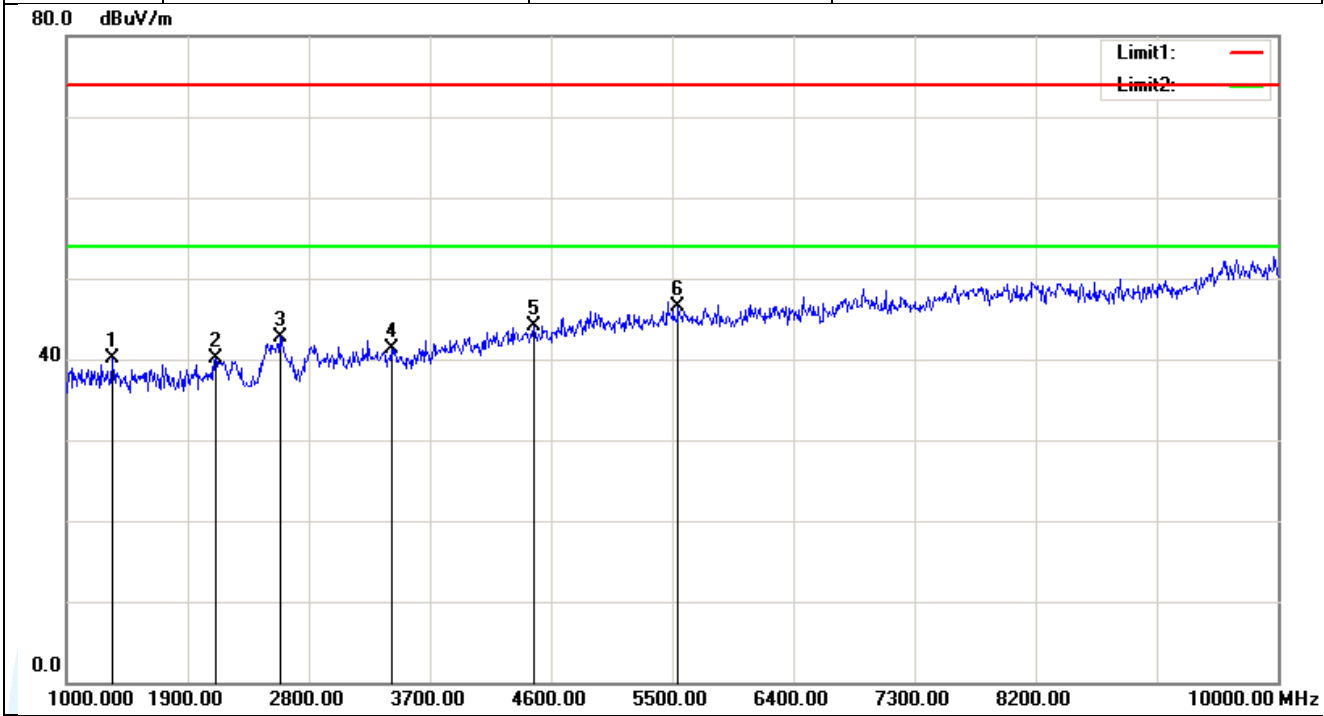
.No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1198.000	46.83	-7.80	39.03	74.00	-34.97	peak
2	1801.000	44.73	-6.26	38.47	74.00	-35.53	peak
3	2530.000	44.58	-2.21	42.37	74.00	-31.63	peak
4	3043.000	42.43	-1.29	41.14	74.00	-32.86	peak
5	4051.000	40.93	1.77	42.70	74.00	-31.30	peak
6*	4429.000	41.14	3.10	44.24	74.00	-29.76	peak

Mode	802.11n(HT20)	Antenna	Chain 0+1
Channel	11	Ant. Polar.	Horizontal



.No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1207.000	46.37	-7.76	38.61	74.00	-35.39	peak
2	1810.000	43.64	-6.21	37.43	74.00	-36.57	peak
3	3250.000	42.82	-0.94	41.88	74.00	-32.12	peak
4	4006.000	41.94	1.61	43.55	74.00	-30.45	peak
5	5050.000	39.96	5.07	45.03	74.00	-28.97	peak
6*	6265.000	39.41	6.51	45.92	74.00	-28.08	peak

Mode	802.11n(HT20)	Antenna	Chain 0+1
Channel	11	Ant. Polar.	Vertical



.No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1342.000	47.29	-7.27	40.02	74.00	-33.98	peak
2	2107.000	44.50	-4.41	40.09	74.00	-33.91	peak
3	2584.000	44.91	-2.11	42.80	74.00	-31.20	peak
4	3412.000	41.93	-0.67	41.26	74.00	-32.74	peak
5	4474.000	40.82	3.26	44.08	74.00	-29.92	peak
6*	5545.000	40.55	5.89	46.44	74.00	-27.56	peak

Note:

1) *Through Pre-scan transmitting mode with all kind of modulation and data rate, find the 1Mbps of rate is the worst case of 802.11b; 6Mbpsof rate is the worst case of 802.11g; MCS 3 of rate is the worst case of 802.11n(HT20), and then Only the worst case is recorded in the report.*
2) *The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:*

   Final Test Level =Receiver Reading - Correct Factor

   Correct Factor = Preamplifier Factor– Antenna Factor–Cable Factor
3) *Scan from 9kHz to 25GHz, the disturbance above 10GHz and below 30MHz was very low, the amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.*
4) *Snce peak data above 1GHz are lower the average limit, so the average data are pass, no need for testing.*

5.7 Band Edge Measurements (Radiated)

Test Requirement: 47 CFR Part 15 Subpart C Section 15.205/15.209

Test Method: KDB 558074 D01 v03r05 Section 12.1

Limit:

Frequency	Limit (dBμV/m @3m)	Remark
30MHz-88MHz	40.0	Quasi-peak Value
88MHz-216MHz	43.5	Quasi-peak Value
216MHz-960MHz	46.0	Quasi-peak Value
960MHz-1GHz	54.0	Quasi-peak Value
Above 1GHz	54.0	Average Value
	74.0	Peak Value

Test Procedure: Radiated band edge measurements at 2390MHz and 2483MHz were made with the unit transmitting in the low end of the channel range and the high end closest to the restricted bands respectively. The emissions were made on the 966 Semi-Chamber. Use (resolution bandwidth (RBW) = 1 MHz, video bandwidth (VBW) = 3 MHz for peak levels and RBW = 1 MHz and VBW = 10 Hz or 1/T for average levels).

1. Use radiated spurious emission test procedure described in 5.6 clause. The transmitter output (antenna port) was connected to the test receiver.
2. Set the PK and AV limit line.
3. Record the fundamental emission and emissions out of the band-edge.
4. Determine band-edge compliance as required.

Test Setup: Refer to section 4.1.2 for details.

Instruments Used: Refer to section 3 for details

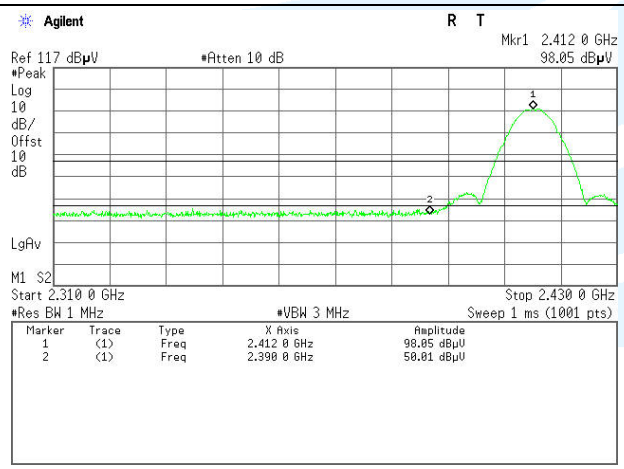
Test Mode: Transmitter mode

Test Results: Pass

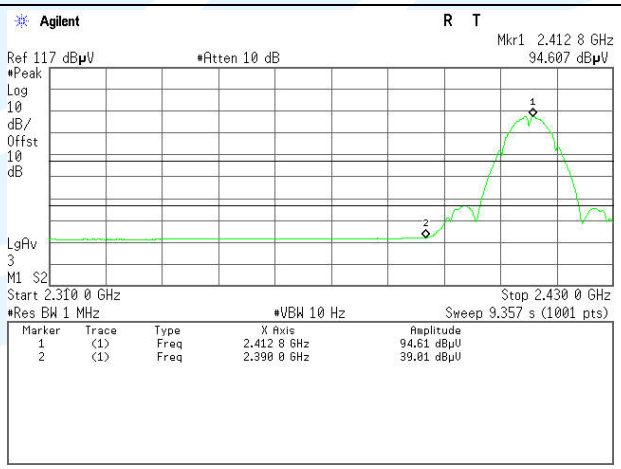
Test Data:

Mode	802.11b	**Antenna**	Chain 0+1
Channel	1	**Ant. Polar.**	Horizontal

Detector: Peak



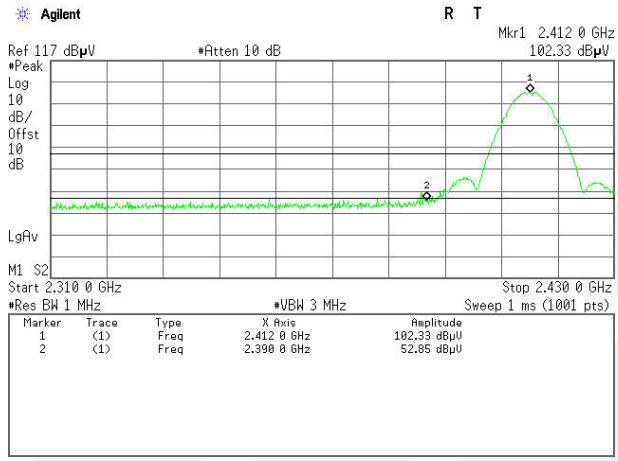
Detector: AV



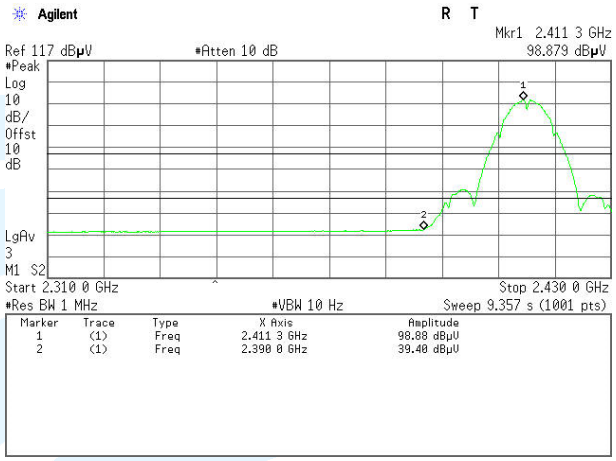
Frequency (MHz)	Peak level (dBuv/m)	Peak Limit (dBuv/m)	AV level (dBuv/m)	AV Limit (dBuv/m)	Conclusion
2390	50.01	74	39.01	54	Pass

Mode	802.11b	Antenna	Chain 0+1
Channel	1	Ant. Polar.	Vertical

Detector: Peak



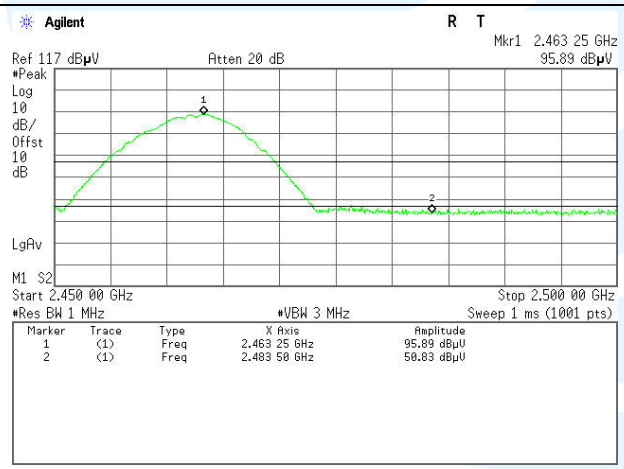
Detector: AV



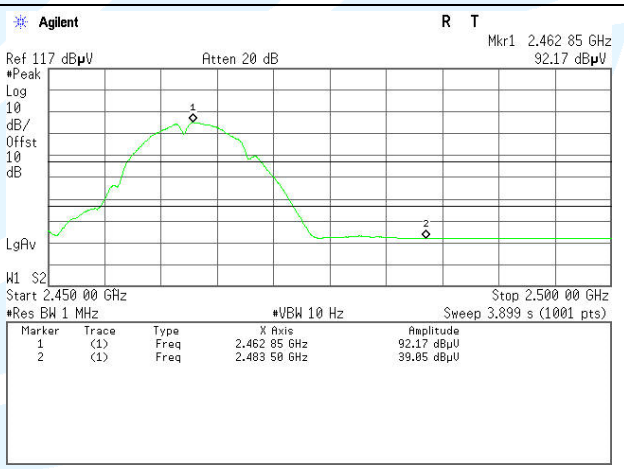
Frequency (MHz)	Peak level (dBuv/m)	Peak Limit (dBuv/m)	AV level (dBuv/m)	AV Limit (dBuv/m)	Conclusion
2390	52.85	74	39.40	54	Pass

Mode	802.11b	Antenna	Chain 0+1
Channel	11	Ant. Polar.	Horizontal

Detector: Peak



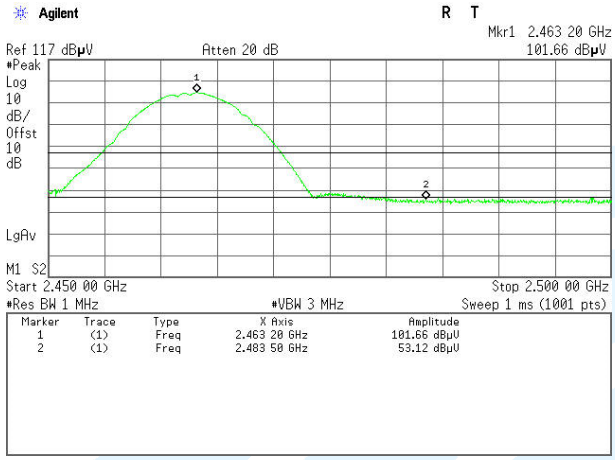
Detector: AV



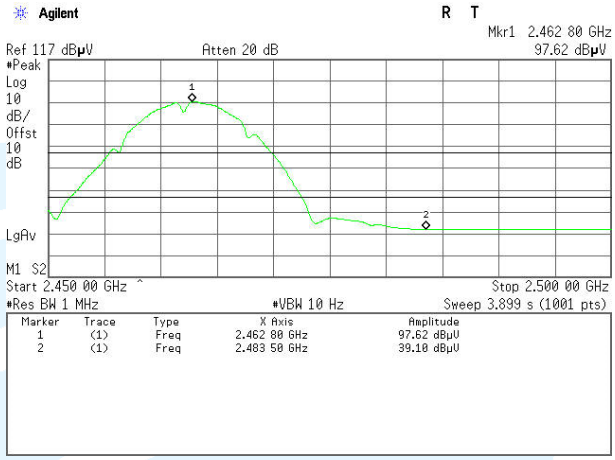
Frequency (MHz)	Peak level (dBuv/m)	Peak Limit (dBuv/m)	AV level (dBuv/m)	AV Limit (dBuv/m)	Conclusion
2483.5	50.83	74	39.05	54	Pass

Mode	802.11b	Antenna	Chain 0+1
Channel	11	Ant. Polar.	Vertical

Detector: Peak



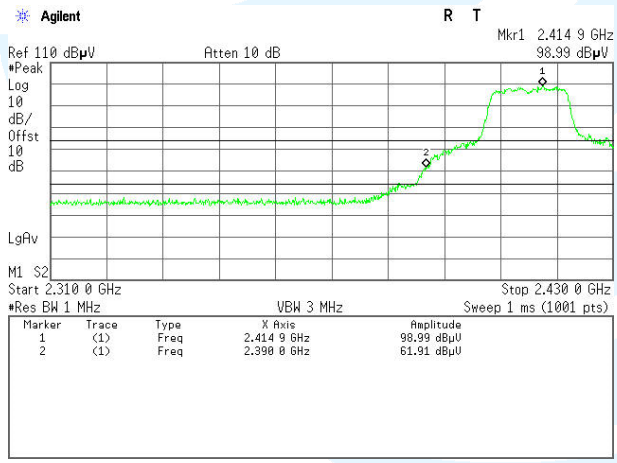
Detector: AV



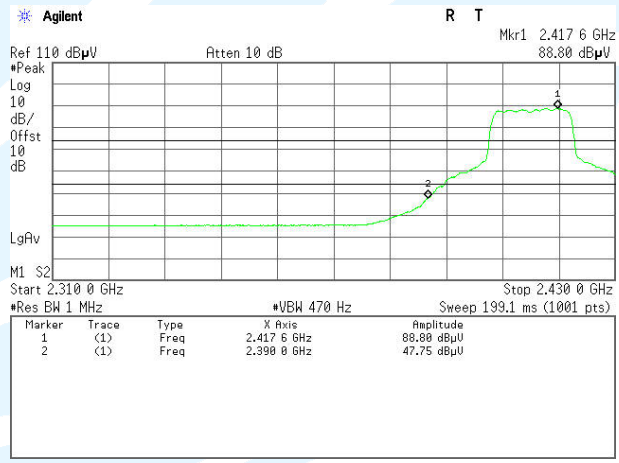
Frequency (MHz)	Peak level (dBuv/m)	Peak Limit (dBuv/m)	AV level (dBuv/m)	AV Limit (dBuv/m)	Conclusion
2483.5	53.12	74	39.10	54	Pass

Mode	802.11g	Antenna	Chain 0+1
Channel	1	Ant. Polar.	Horizontal

Detector: Peak



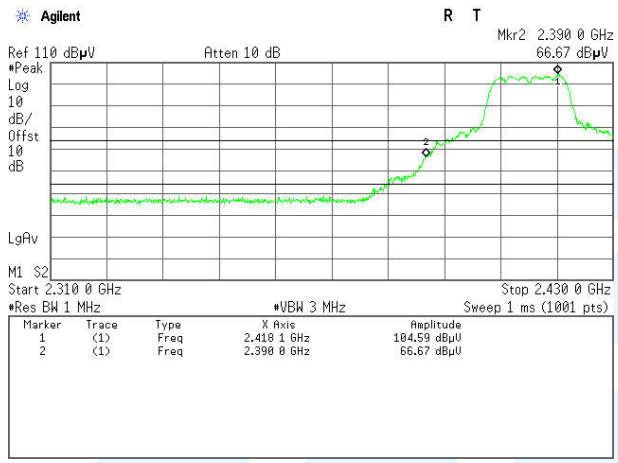
Detector: AV



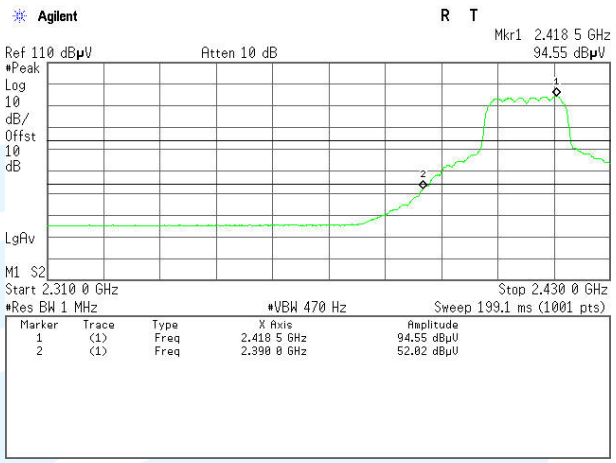
Frequency (MHz)	Peak level (dBuv/m)	Peak Limit (dBuv/m)	AV level (dBuv/m)	AV Limit (dBuv/m)	Conclusion
2390	61.91	74	47.75	54	Pass

Mode	802.11g	Antenna	Chain 0+1
Channel	1	Ant. Polar.	Vertical

Detector: Peak



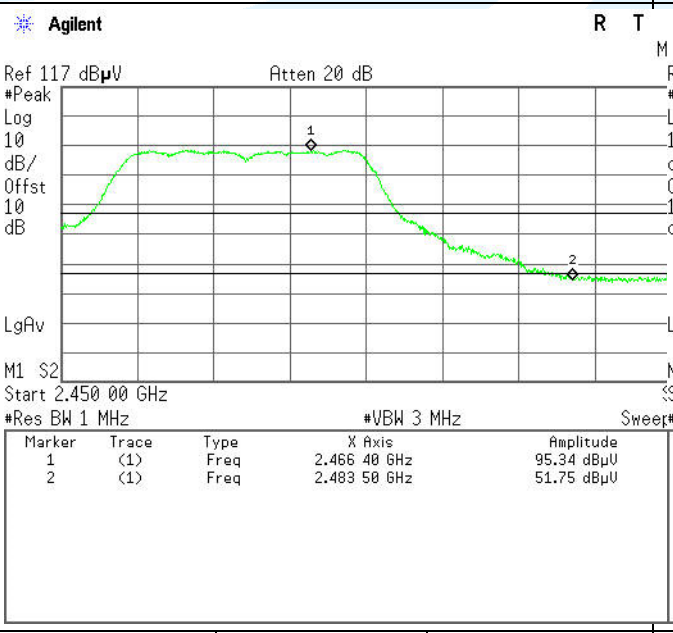
Detector: AV



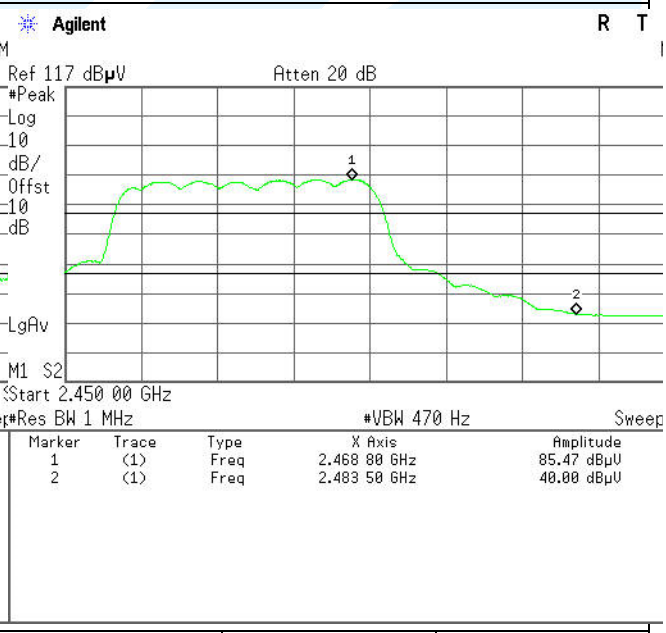
Frequency (MHz)	Peak level (dBuv/m)	Peak Limit (dBuv/m)	AV level (dBuv/m)	AV Limit (dBuv/m)	Conclusion
2390	66.67	74	52.02	54	Pass

Mode	802.11g	Antenna	Chain 0+1
Channel	11	Ant. Polar.	Horizontal

Detector: Peak



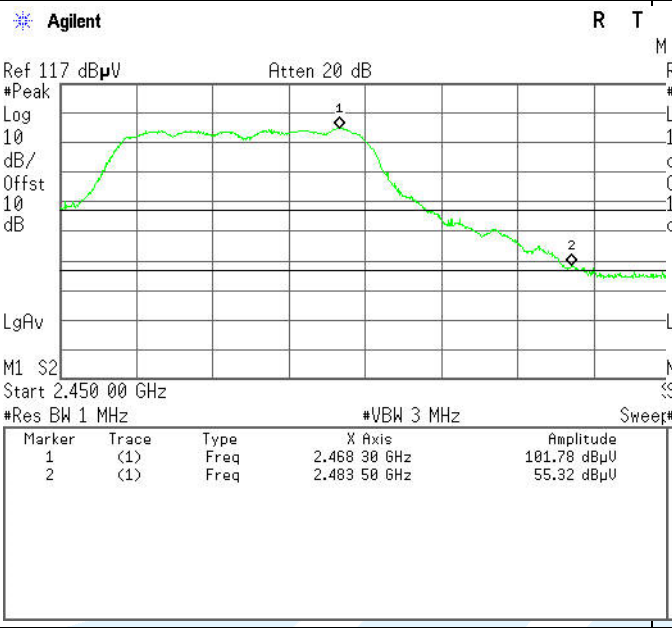
Detector: AV



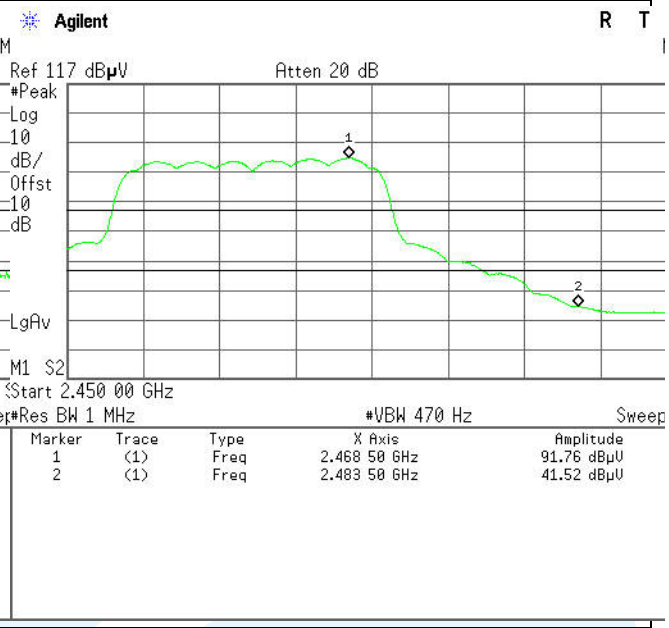
Frequency (MHz)	Peak level (dBuv/m)	Peak Limit (dBuv/m)	AV level (dBuv/m)	AV Limit (dBuv/m)	Conclusion
2483.5	51.75	74	40.00	54	Pass

Mode	802.11g	Antenna	Chain 0+1
Channel	11	Ant. Polar.	Vertical

Detector: Peak



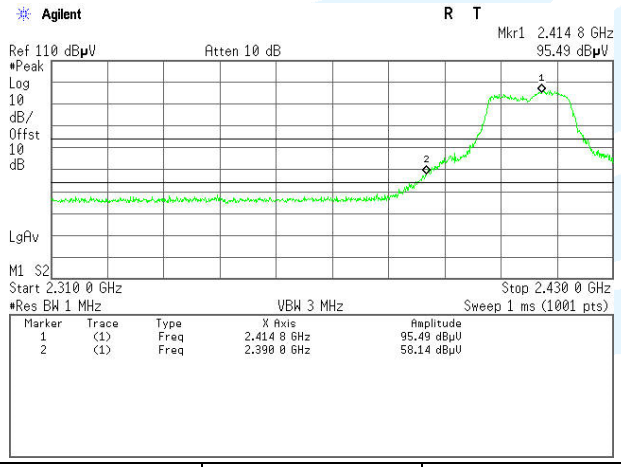
Detector: AV



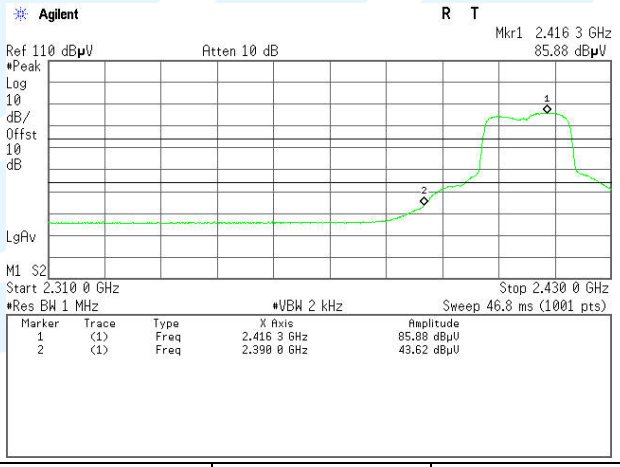
Frequency (MHz)	Peak level (dBuv/m)	Peak Limit (dBuv/m)	AV level (dBuv/m)	AV Limit (dBuv/m)	Conclusion
2483.5	55.32	74	41.52	54	Pass

Mode	802.11n(HT20)	Antenna	Chain 0+1
Channel	1	Ant. Polar.	Horizontal

Detector: Peak



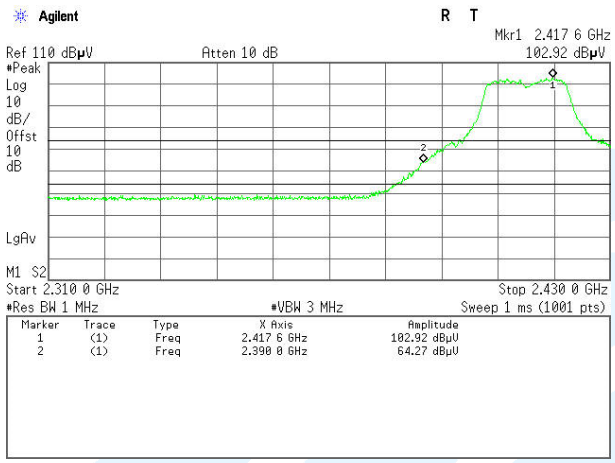
Detector: AV



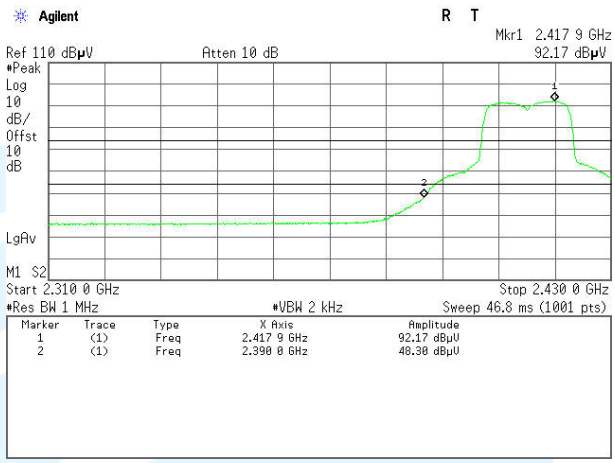
Frequency (MHz)	Peak level (dBuv/m)	Peak Limit (dBuv/m)	AV level (dBuv/m)	AV Limit (dBuv/m)	Conclusion
2390	58.14	74	43.62	54	Pass

Mode	802.11n(HT20)	Antenna	Chain 0+1
Channel	1	Ant. Polar.	Vertical

Detector: Peak



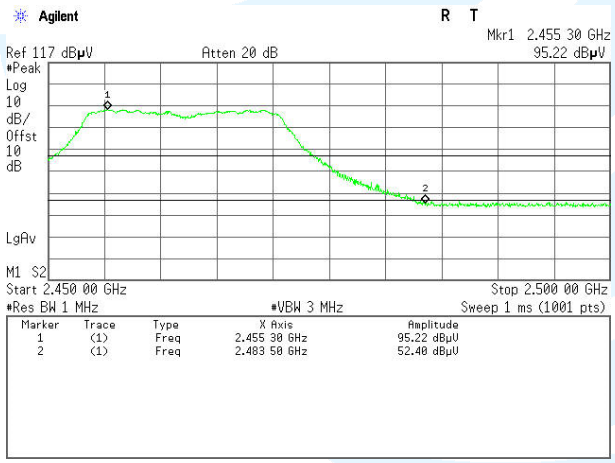
Detector: AV



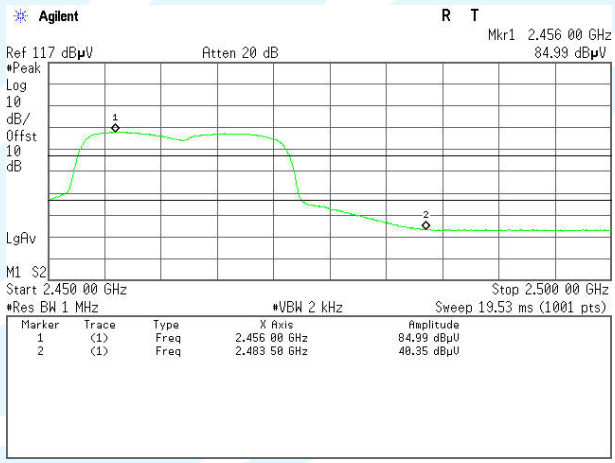
Frequency (MHz)	Peak level (dBuv/m)	Peak Limit (dBuv/m)	AV level (dBuv/m)	AV Limit (dBuv/m)	Conclusion
2390	64.27	74	48.30	54	Pass

Mode	802.11n(HT20)	Antenna	Chain 0+1
Channel	11	Ant. Polar.	Horizontal

Detector: Peak



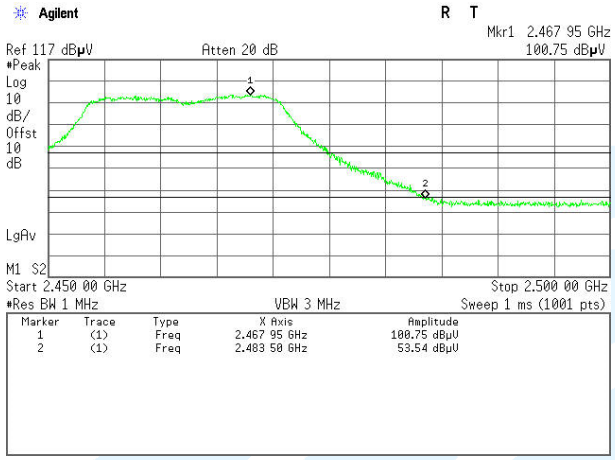
Detector: AV



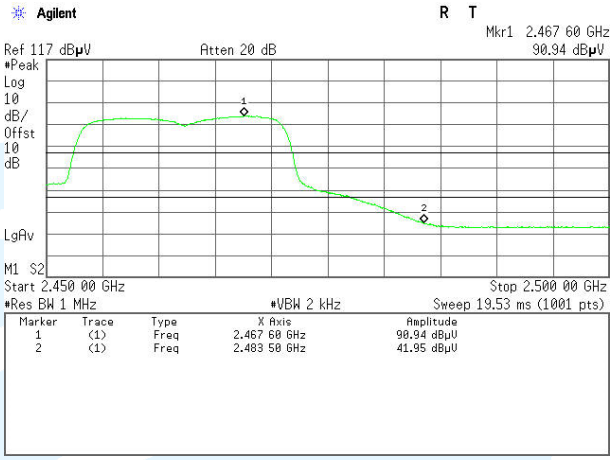
Frequency (MHz)	Peak level (dBuv/m)	Peak Limit (dBuv/m)	AV level (dBuv/m)	AV Limit (dBuv/m)	Conclusion
2483.5	52.40	74	40.35	54	Pass

Mode	802.11n(HT20)	Antenna	Chain 0+1
Channel	11	Ant. Polar.	Vertical

Detector: Peak



Detector: AV



Frequency (MHz)	Peak level (dBuv/m)	Peak Limit (dBuv/m)	AV level (dBuv/m)	AV Limit (dBuv/m)	Conclusion
2483.5	53.54	74	41.95	54	Pass

Note:

1) *Through Pre-scan transmitting mode with all kind of modulation and data rate, find the 1Mbps of rate is the worst case of 802.11b; 6Mbpsof rate is the worst case of 802.11g; MCS3 of rate is the worst case of 802.11n(HT20), and then Only the worst case is recorded in the report.*
2) *The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:*

   Final Test Level =Receiver Reading - Correct Factor

   Correct Factor = *Preamplifier Factor– Antenna Factor–Cable Factor*

APPENDIX 1 PHOTOGRAPHS OF TEST SETUP

See test photographs attached in Appendix 1 for the actual connections between Product and support equipment.

APPENDIX 2 PHOTOGRAPHS OF EUT CONSTRUCTIONAL DETAILS

Refer to Appendix 2 for EUT external and internal photographs.

*** End of Report ***

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