9 RADIATED SPURIOUS EMISSION (ABOVE 1 GHZ)

9.1 LIMIT

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequency Range: 9 kHz to 1 GHz		
FREQUENCY (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(kHz)	300
0.490~1.705	24000/F(kHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

Frequency Range: above 1 GHz				
FREQUENCY (MHz)	Class A (dBuV/m) (at 3m)		Class B (dBuV/m) (at 3m)	
	PEAK	AVERAGE	PEAK	AVERAGE
above 1 GHz	80	60	74	54

NOTE:

(1) The limit for radiated test was performed according to FCC PART 15B.
(2) The tighter limit applies at the band edges.
(3) Emission level (dBuV/m)=20log Emission level (uV/m).
(4) The test result calculated as following:
Measurement Value = Reading Level + Correct Factor
Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain(if use)
Margin Level = Measurement Value – Limit Value

9.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP-40	100129	Oct. 01, 2013
2	Horn Antenna	Schwarzbeck	BBHA 9120	D-325	Apr. 15, 2014
3	Microwave Pre_amplifier	Agilent	8449B	3008A01714	Apr. 16, 2014
4	Microflex Cable	Harbour industries	27478LL142	1m	May. 13, 2014
5	Microflex Cable	EMC	S104-SMA	8m	May. 13, 2014
6	Microflex Cable	Harbour industries	27478LL142	3m	May. 13, 2014
7	Test Cable	LMR	LMR-400	12m	May. 14, 2014
8	Test Cable	LMR	LMR-400	3m	May. 14, 2014
9	Pre-Amplifier	Anritsu	MH648A	M92649	Jun. 18, 2014
10	Log-Bicon Antenna	Schwarzbeck	VULB9168-352	9168-352	Jun. 11, 2014
11	Preamplifier With Adaptor	EMC	EMC2654045	980030	Feb. 18, 2014
12	Horn Antenna	Schwarzbeck	BBHA 9170	187	Dec. 24, 2013

Remark: “N/A” denotes No Model Name, No Serial No. or No Calibration specified.

9.3 MEASURING INSTRUMENTS SETTING

Spectrum Analyzer	Parameter Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (emission in restricted band)	1MHz / 1MHz for Peak, 1 MHz / 10Hz for Average
RB / VB (other emission)	1MHz / 1MHz for Peak, 1 MHz / 10Hz for Average

9.4 TEST PROCEDURES

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3m Semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
b. The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
c. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
d. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
e. For the actual test configuration, please refer to the related Item –EUT Test Photos.
f. The testing follows the guidelines in ANSI C63.4 and FCC Public Notice DA 00-705 Measurement Guidelines. In case the emission is fail due to the used RBW/VBW is too wide, marker-delta method of FCC Public Notice DA 00-705 will be followed.

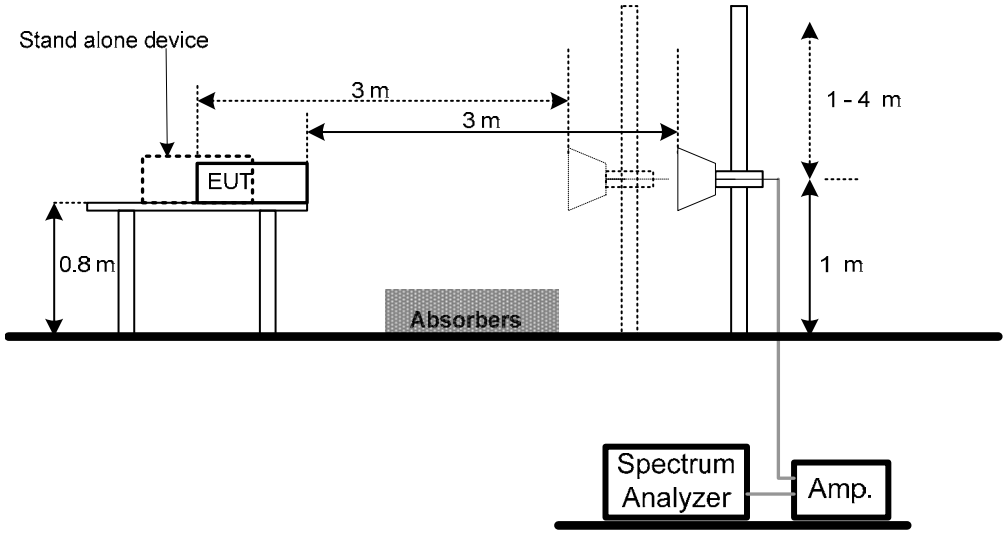
NOTE:

a. Reading in which marked as Peak means measurements by using are Peak Mode with instrument setting in RBW= 1 MHz, VBW= 1 MHz, Swp. Time = Auto.
Reading in which marked as AV means measurements by using are Average Mode with instrument setting in RBW= 1 MHz, VBW= 10 Hz, Swp. Time = Auto.
b. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform.

9.5 DEVIATION FROM TEST STANDARD

No deviation

9.6 TEST SETUP LAYOUT



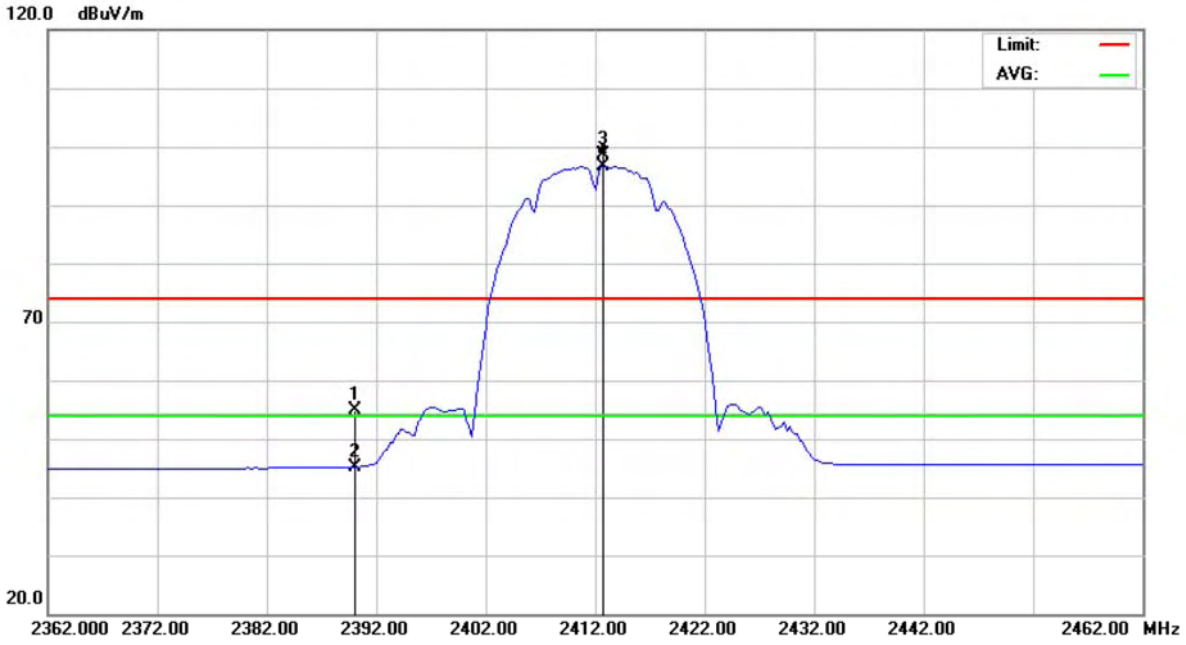
9.7 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 5.6 Unless otherwise a special operating condition is specified in the follows during the testing.

9.8 TEST RESULTS - 2412-2462 MHZ

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11b/2412 MHz		

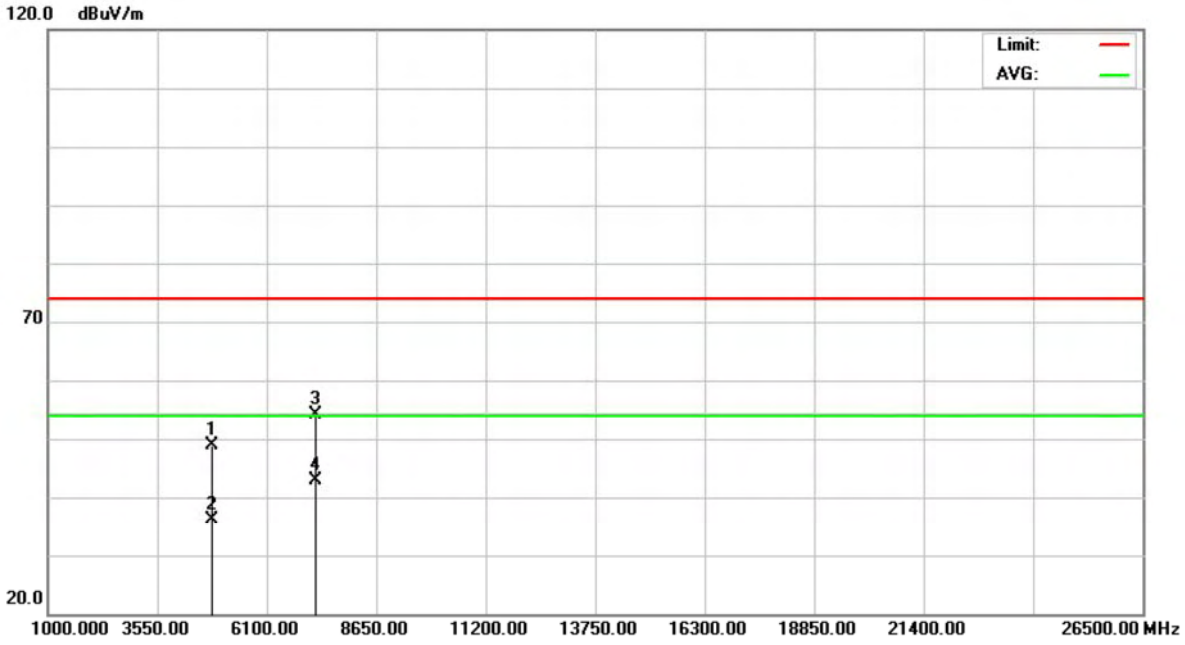
Polarization: Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	23.30	31.67	54.97	74.00	-19.03	peak	
2		2390.000	13.57	31.67	45.24	54.00	-8.76	AVG	
3	X	2412.750	66.95	31.77	98.72	74.00	24.72	peak	
4	*	2412.750	64.95	31.77	96.72	54.00	42.72	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11b/2412 MHz		

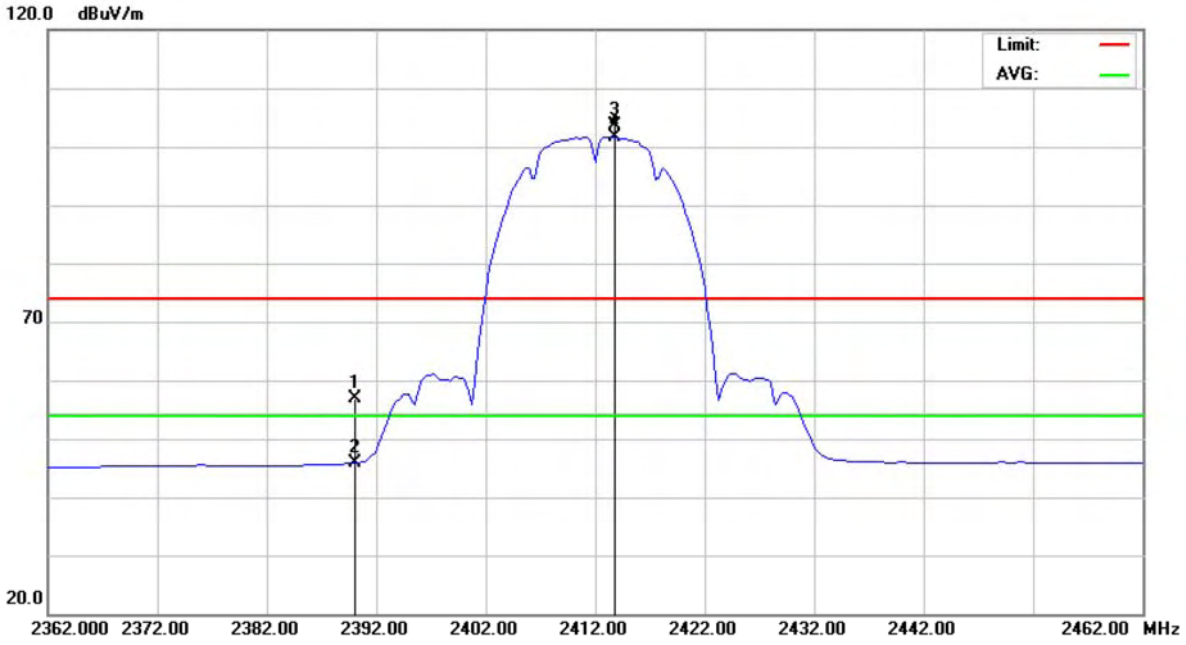
Polarization: Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4823.388	43.15	5.71	48.86	74.00	-25.14	peak	
2		4823.450	30.40	5.71	36.11	54.00	-17.89	AVG	
3		7238.175	41.92	12.30	54.22	74.00	-19.78	peak	
4	*	7238.175	30.47	12.30	42.77	54.00	-11.23	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11b/2412 MHz		

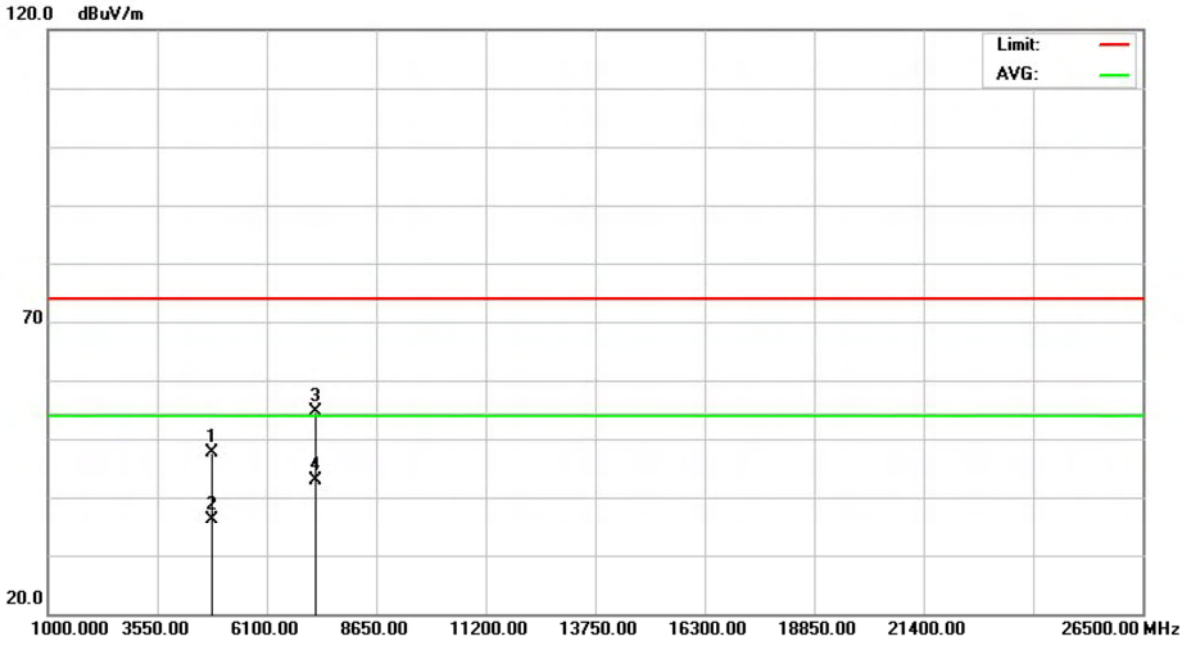
Polarization: Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	25.33	31.67	57.00	74.00	-17.00	peak	
2		2390.000	14.20	31.67	45.87	54.00	-8.13	AVG	
3	X	2413.750	71.83	31.77	103.60	74.00	29.60	peak	
4	*	2413.750	69.90	31.77	101.67	54.00	47.67	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11b/2412 MHz		

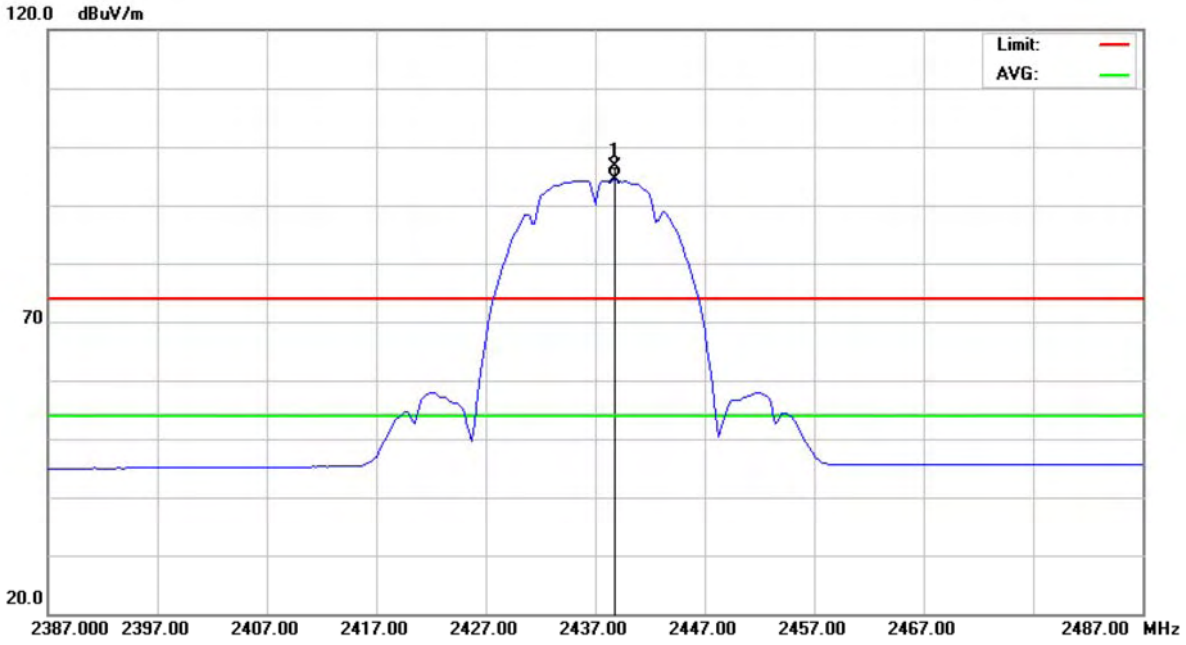
Polarization: Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.013	41.95	5.71	47.66	74.00	-26.34	peak	
2		4824.013	30.35	5.71	36.06	54.00	-17.94	AVG	
3		7238.163	42.38	12.30	54.68	74.00	-19.32	peak	
4	*	7238.163	30.46	12.30	42.76	54.00	-11.24	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11b/2437 MHz		

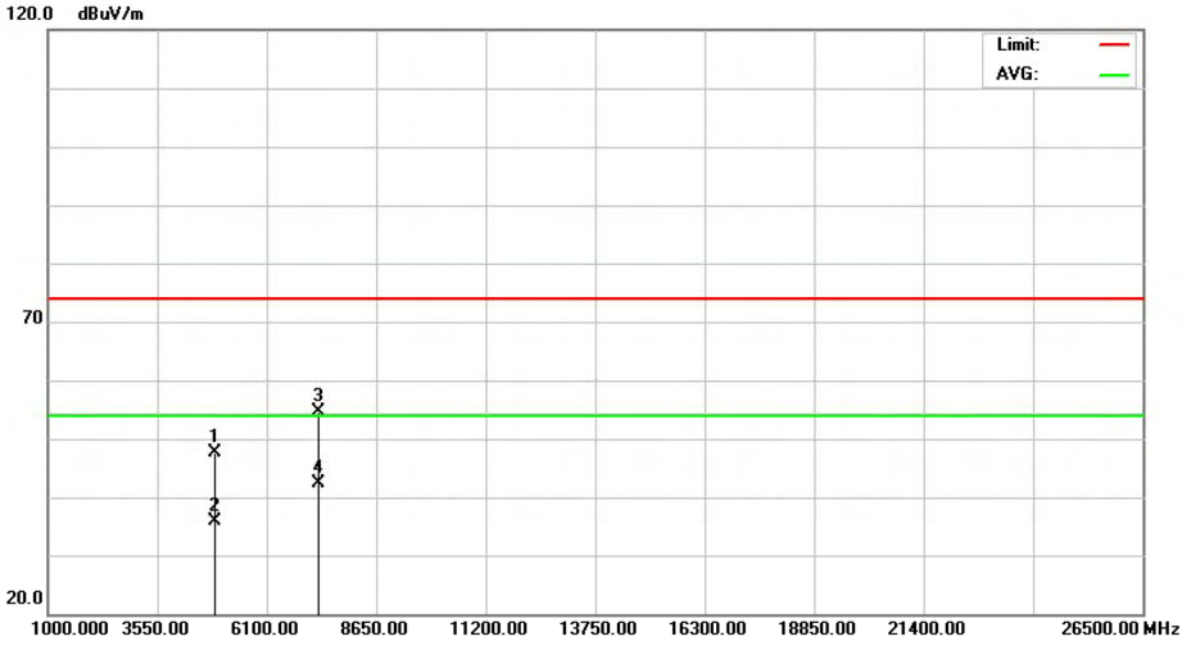
Polarization: Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2438.750	64.83	31.89	96.72	74.00	22.72	peak	
2	*	2438.750	62.40	31.89	94.29	54.00	40.29	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11b/2437 MHz		

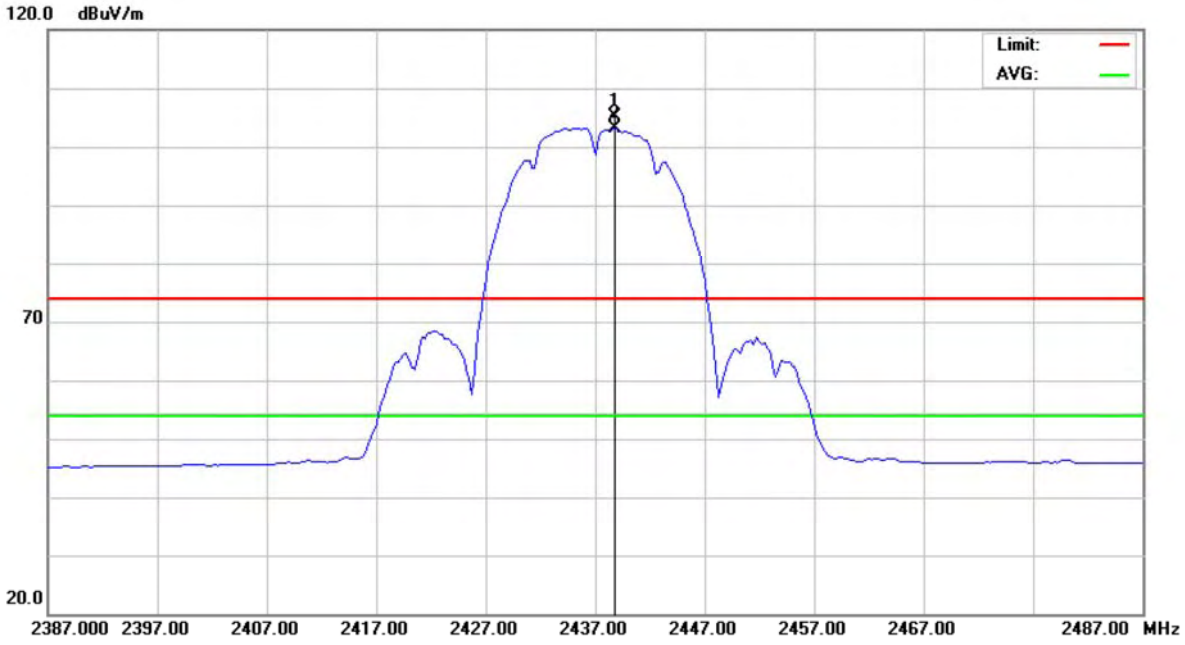
Polarization: Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4873.850	41.85	5.78	47.63	74.00	-26.37	peak	
2		4873.850	30.17	5.78	35.95	54.00	-18.05	AVG	
3		7310.525	42.11	12.57	54.68	74.00	-19.32	peak	
4	*	7310.525	29.91	12.57	42.48	54.00	-11.52	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11b/2437 MHz		

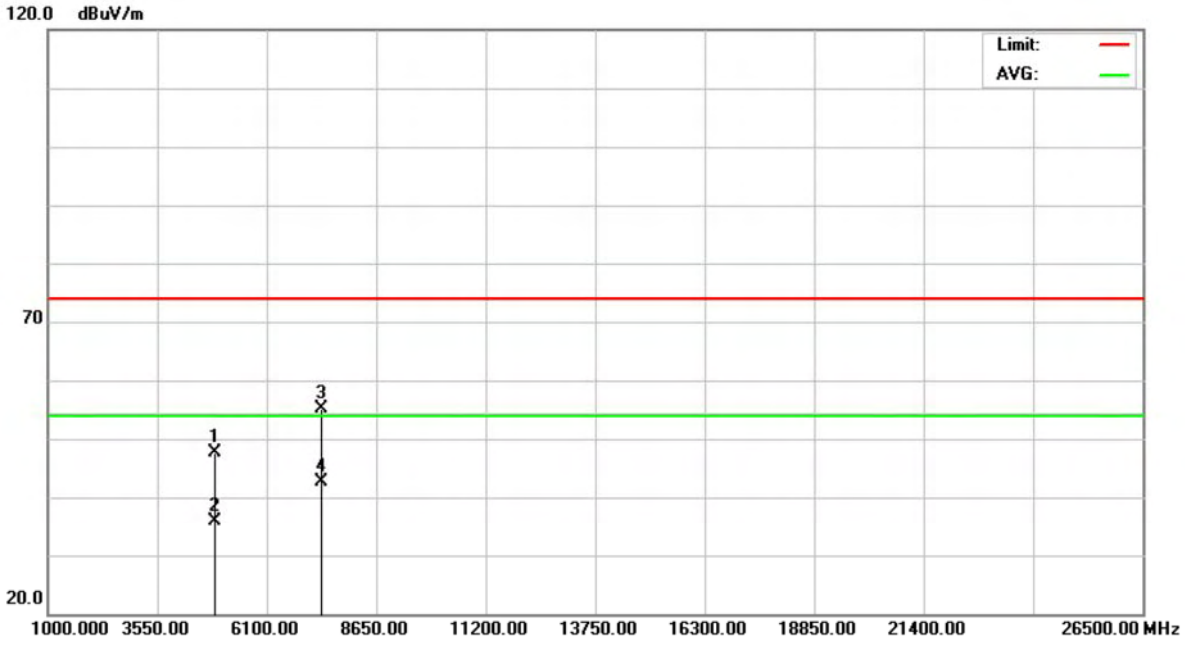
Polarization: Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2438.750	73.26	31.89	105.15	74.00	31.15	peak	
2	*	2438.750	71.26	31.89	103.15	54.00	49.15	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11b/2437 MHz		

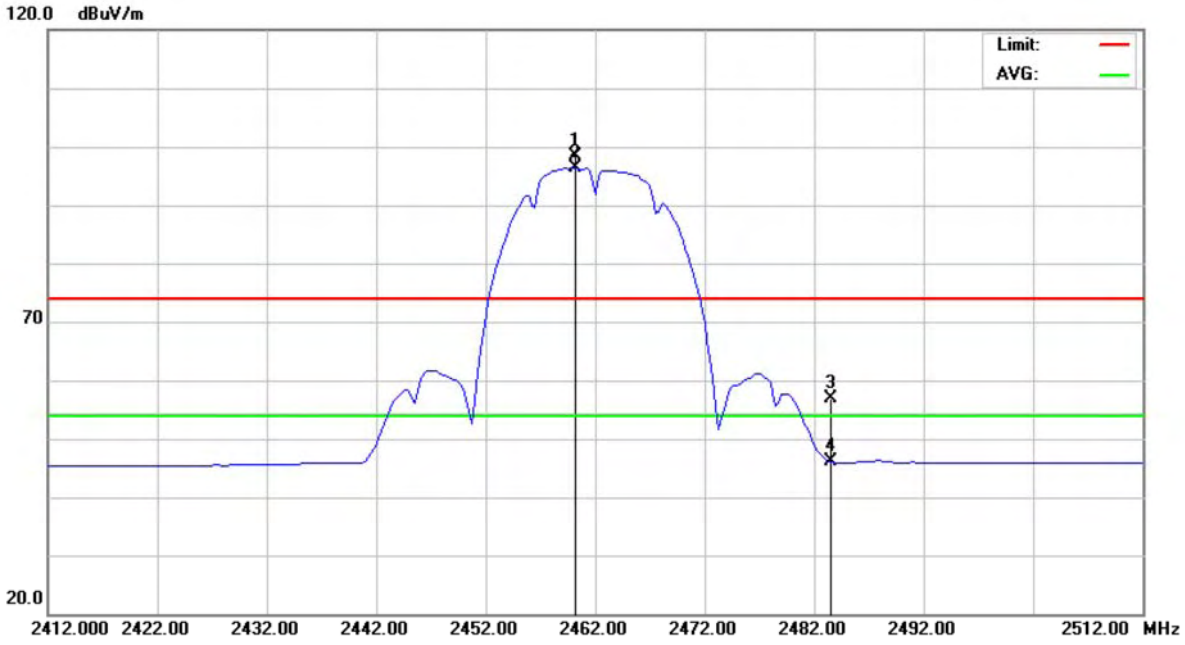
Polarization: Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4873.350	41.86	5.78	47.64	74.00	-26.36	peak	
2		4873.350	30.11	5.78	35.89	54.00	-18.11	AVG	
3		7311.425	42.56	12.57	55.13	74.00	-18.87	peak	
4	*	7311.425	29.98	12.57	42.55	54.00	-11.45	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11b/2462 MHz		

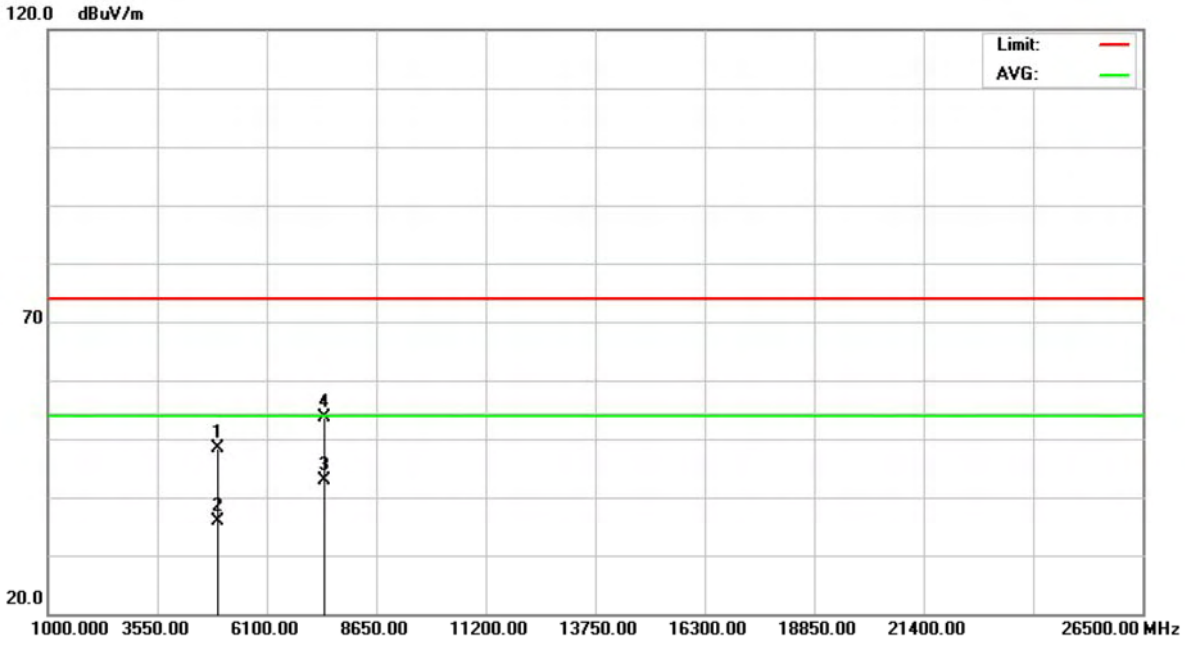
Polarization: Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2460.250	66.38	31.98	98.36	74.00	24.36	peak	
2	*	2460.250	64.46	31.98	96.44	54.00	42.44	AVG	
3		2483.500	24.86	32.09	56.95	74.00	-17.05	peak	
4		2483.500	14.00	32.09	46.09	54.00	-7.91	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11b/2462 MHz		

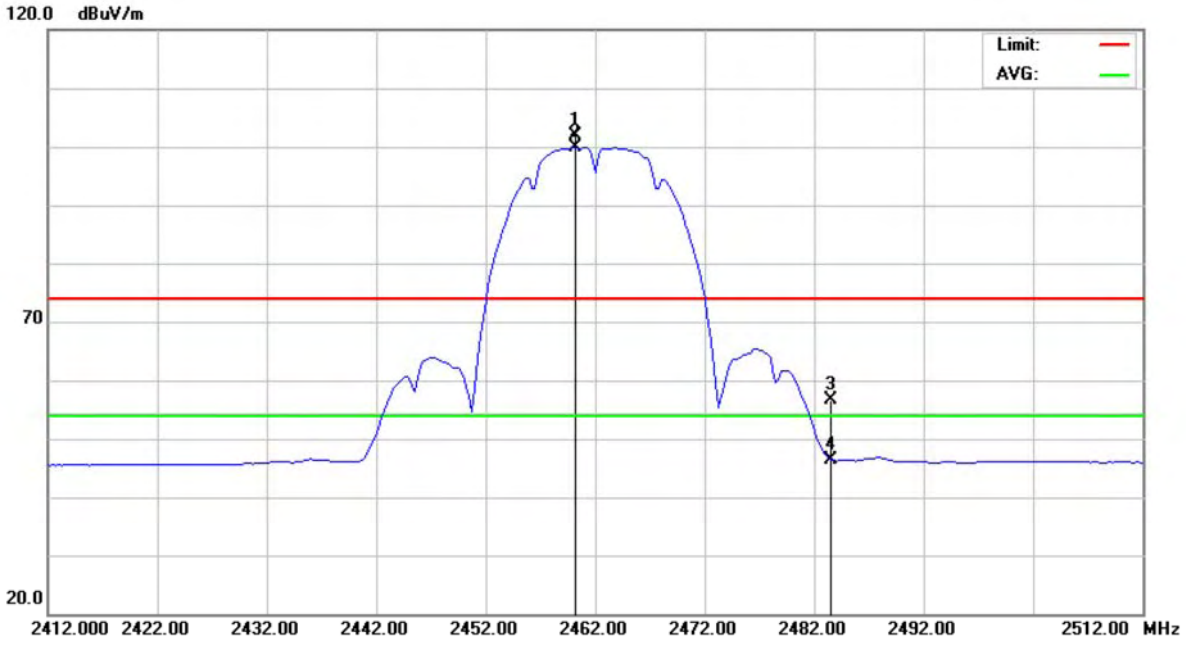
Polarization: Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.625	42.49	5.84	48.33	74.00	-25.67	peak	
2		4924.625	29.99	5.84	35.83	54.00	-18.17	AVG	
3		7387.775	29.99	12.85	42.84	74.00	-31.16	peak	
4	*	7387.775	40.82	12.85	53.67	54.00	-0.33	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11b/2462 MHz		

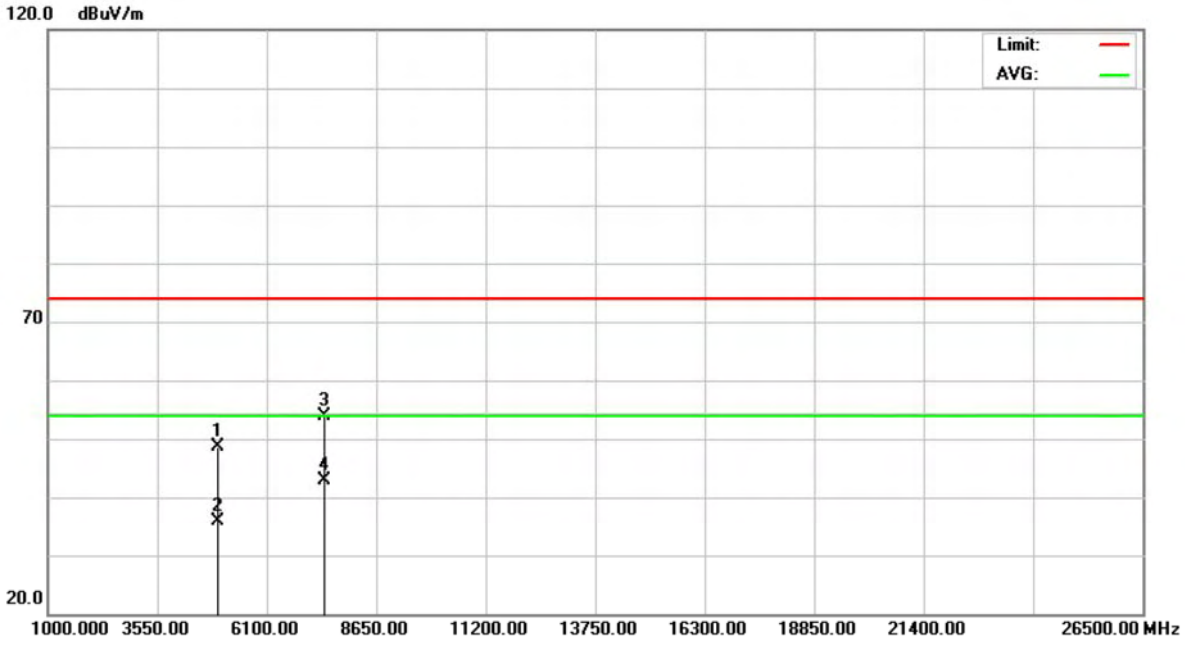
Polarization: Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2460.250	69.79	31.98	101.77	74.00	27.77	peak	
2	*	2460.250	67.91	31.98	99.89	54.00	45.89	AVG	
3		2483.500	24.50	32.09	56.59	74.00	-17.41	peak	
4		2483.500	14.38	32.09	46.47	54.00	-7.53	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11b/2462 MHz		

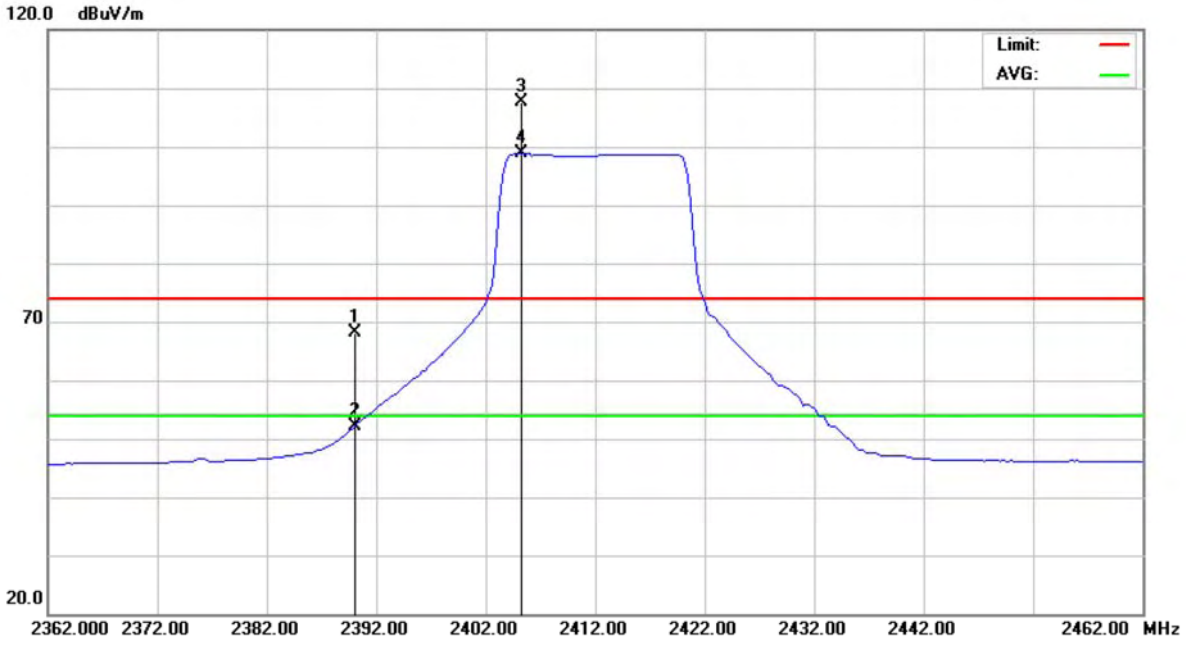
Polarization: Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4923.900	42.82	5.84	48.66	74.00	-25.34	peak	
2		4923.900	29.94	5.84	35.78	54.00	-18.22	AVG	
3		7387.400	41.03	12.85	53.88	74.00	-20.12	peak	
4	*	7387.400	29.94	12.85	42.79	54.00	-11.21	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11g/2412 MHz		

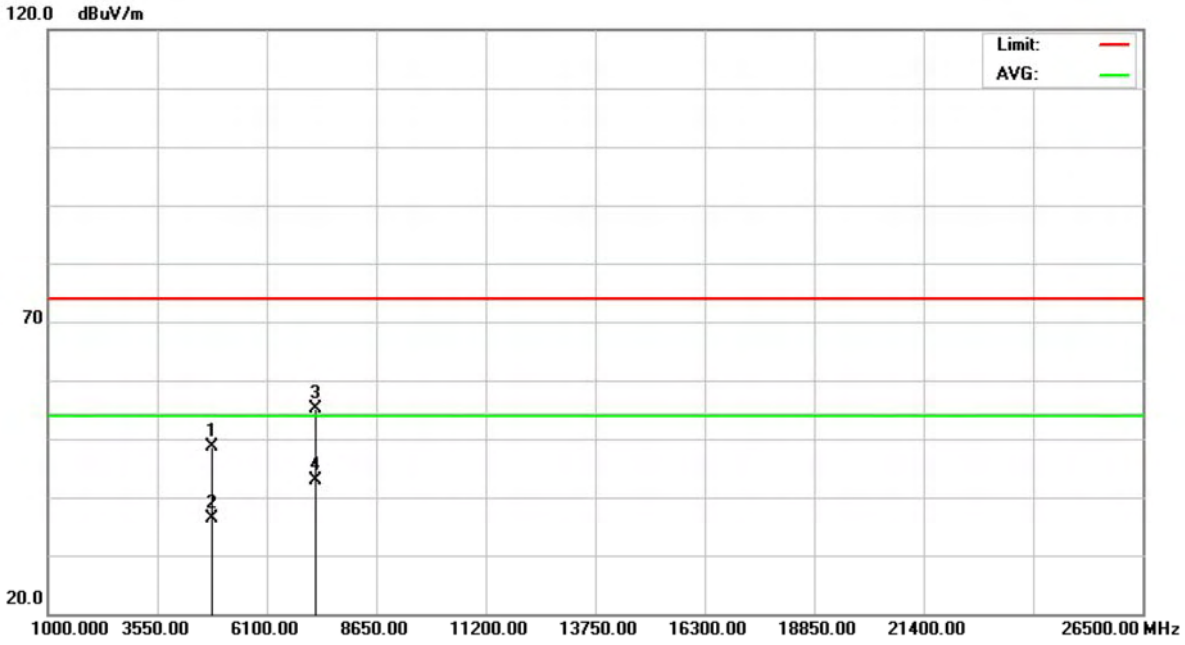
Polarization: Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	36.38	31.67	68.05	74.00	-5.95	peak	
2		2390.000	20.39	31.67	52.06	54.00	-1.94	AVG	
3	X	2405.250	75.88	31.74	107.62	74.00	33.62	peak	
4	*	2405.250	67.07	31.74	98.81	54.00	44.81	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11g/2412 MHz		

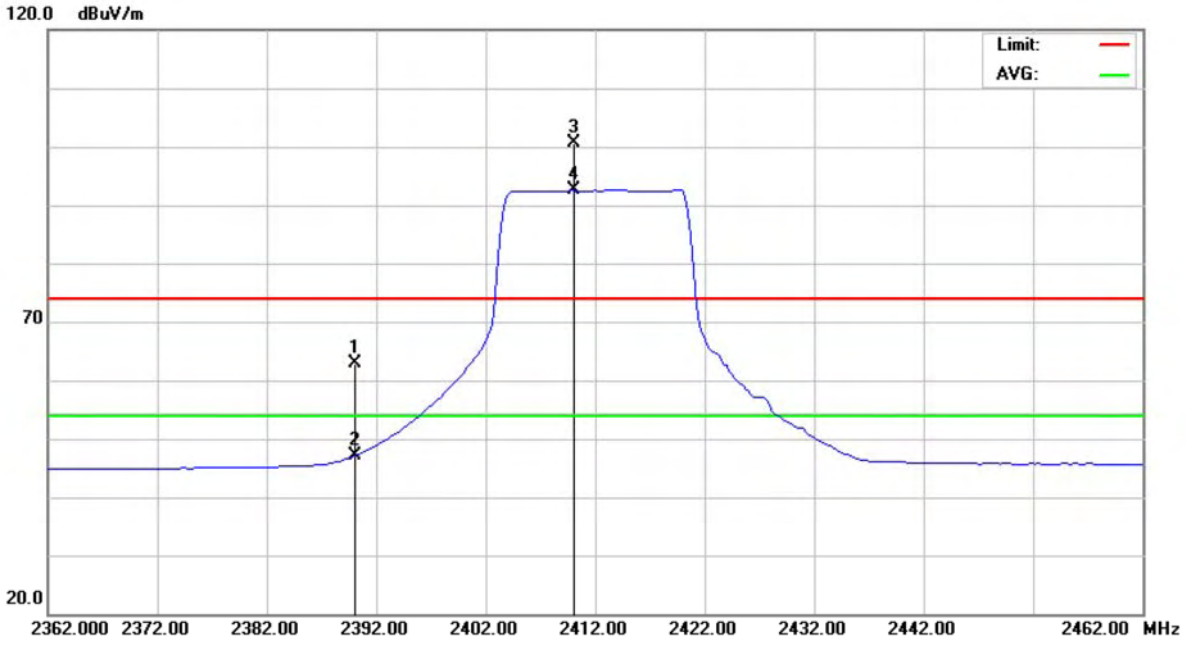
Polarization: Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.100	43.04	5.71	48.75	74.00	-25.25	peak	
2		4824.100	30.76	5.71	36.47	54.00	-17.53	AVG	
3		7231.000	42.91	12.27	55.18	74.00	-18.82	peak	
4	*	7231.000	30.73	12.27	43.00	54.00	-11.00	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11g/2412 MHz		

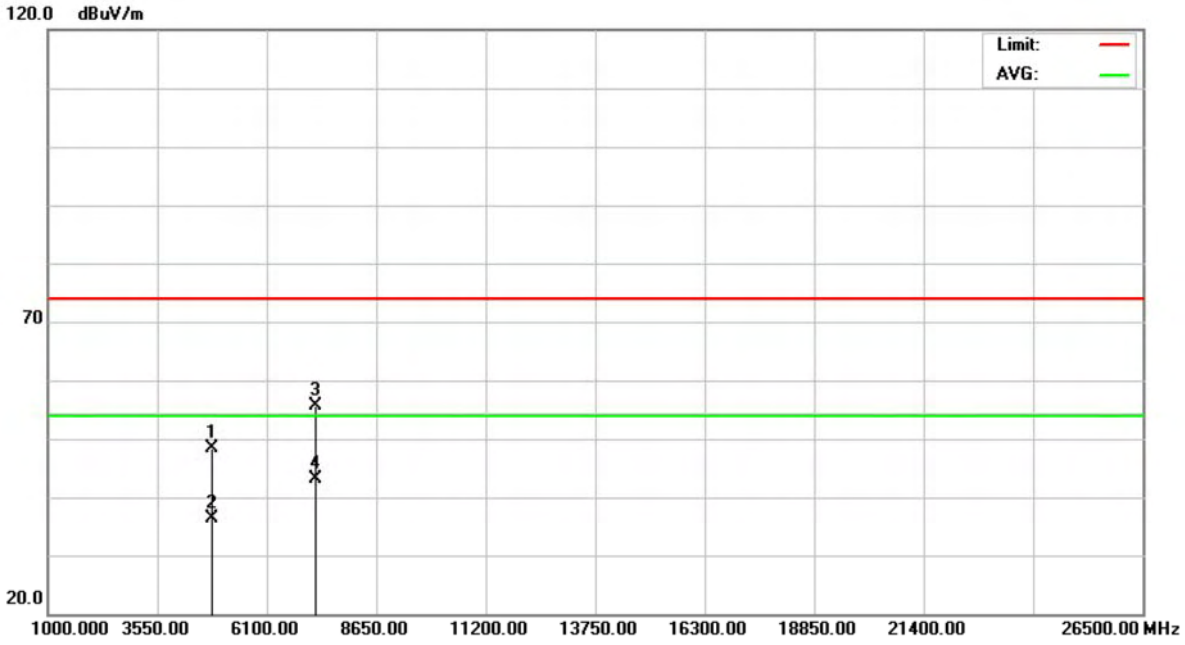
Polarization: Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	31.21	31.67	62.88	74.00	-11.12	peak	
2		2390.000	15.41	31.67	47.08	54.00	-6.92	AVG	
3	X	2410.000	68.94	31.76	100.70	74.00	26.70	peak	
4	*	2410.000	60.96	31.76	92.72	54.00	38.72	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11g/2412 MHz		

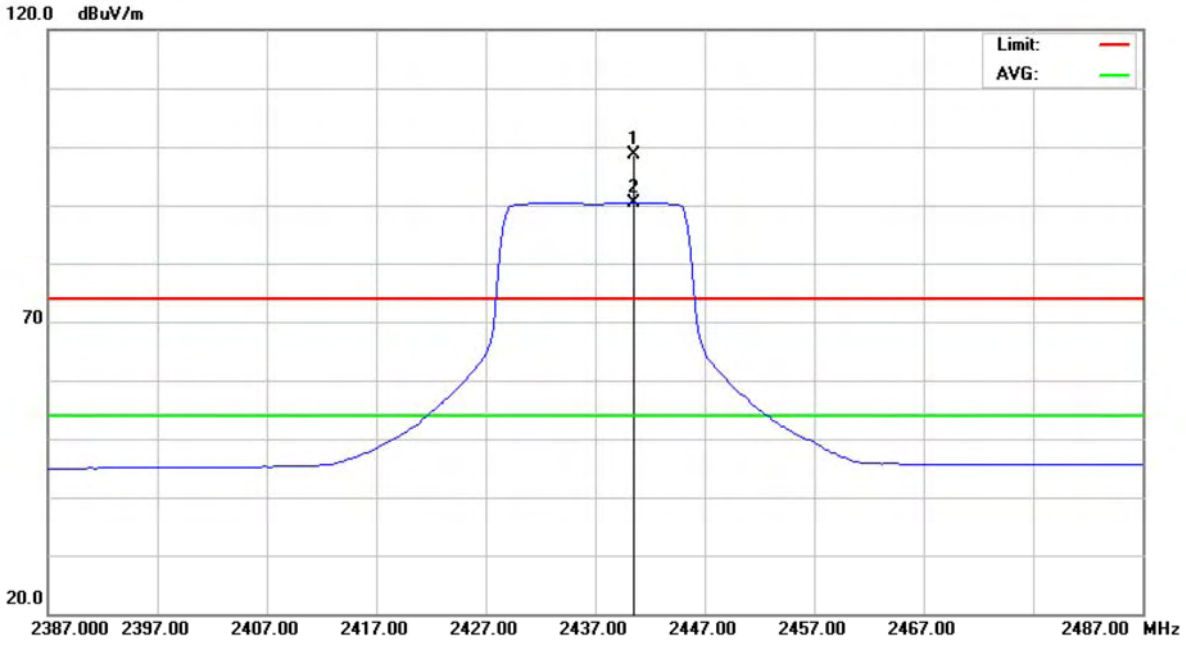
Polarization: Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.140	42.65	5.71	48.36	74.00	-25.64	peak	
2		4824.140	30.59	5.71	36.30	54.00	-17.70	AVG	
3		7235.825	43.26	12.29	55.55	74.00	-18.45	peak	
4	*	7235.825	30.72	12.29	43.01	54.00	-10.99	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11g/2437 MHz		

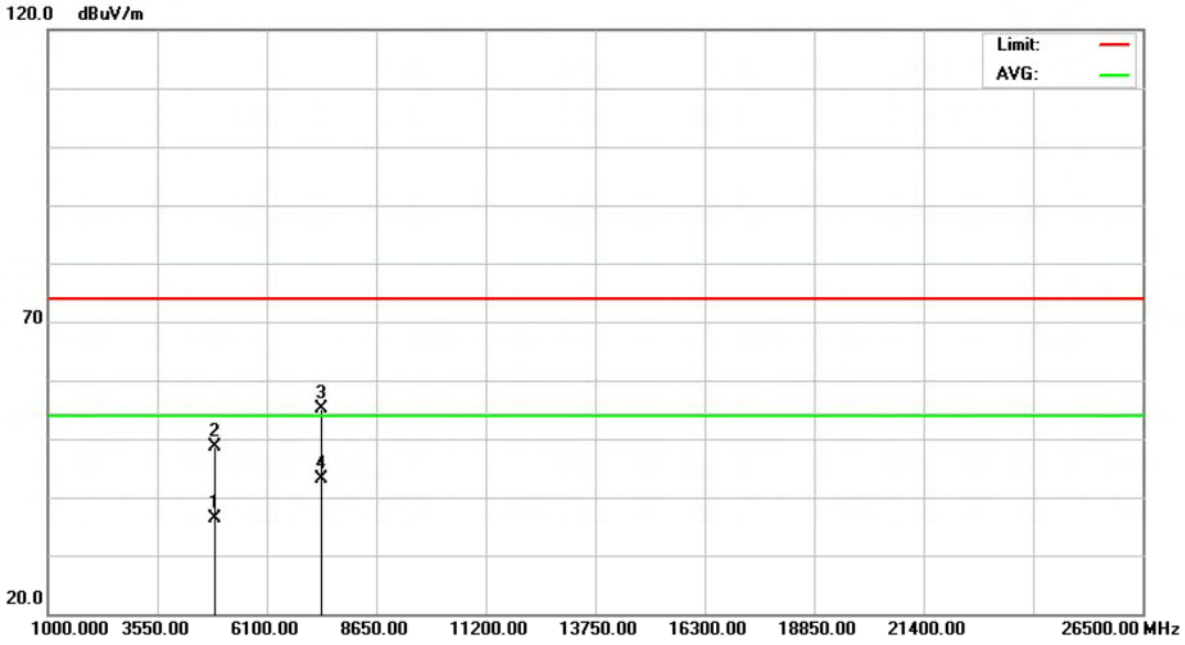
Polarization: Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2440.500	66.72	31.89	98.61	74.00	24.61	peak	
2	*	2440.500	58.53	31.89	90.42	54.00	36.42	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11g/2437 MHz		

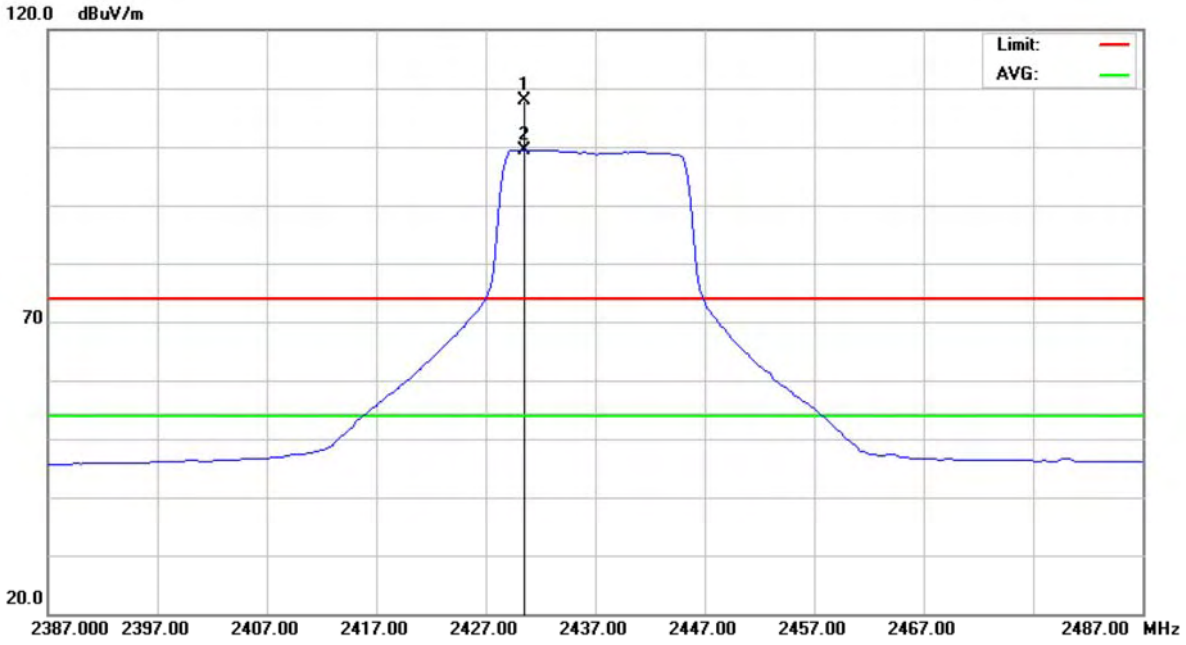
Polarization: Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.275	30.54	5.78	36.32	74.00	-37.68	peak	
2	*	4874.275	42.78	5.78	48.56	54.00	-5.44	AVG	
3		7311.450	42.63	12.57	55.20	74.00	-18.80	peak	
4		7311.450	30.55	12.57	43.12	54.00	-10.88	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11g/2437 MHz		

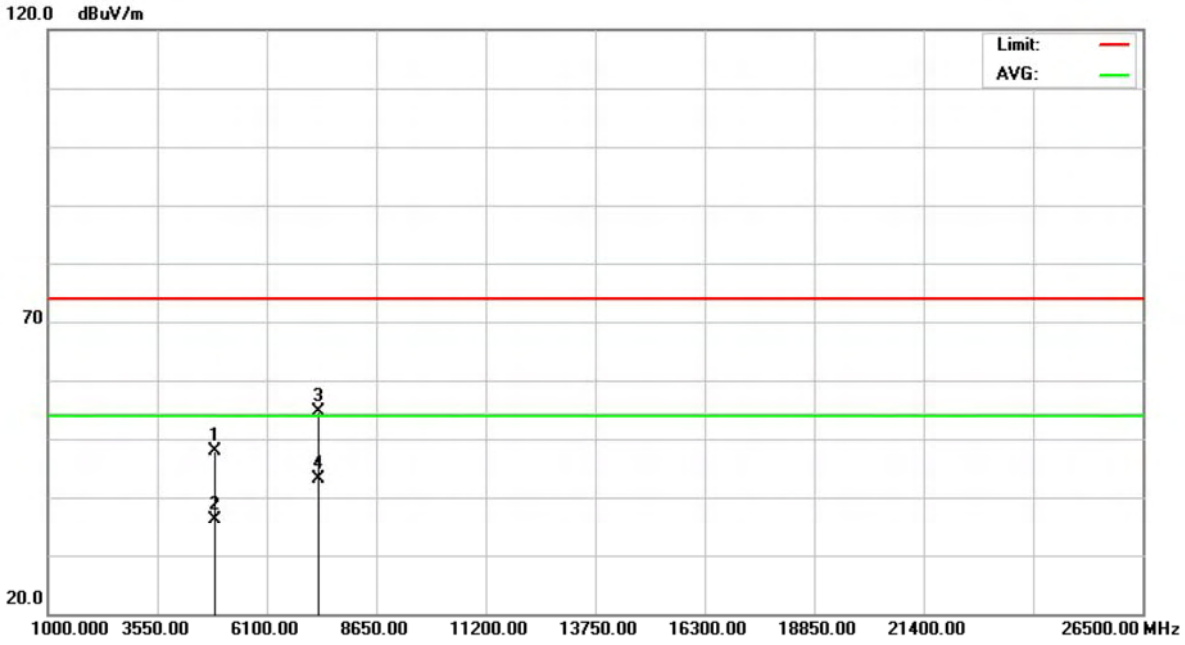
Polarization: Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2430.500	76.08	31.85	107.93	74.00	33.93	peak	
2	*	2430.500	67.65	31.85	99.50	54.00	45.50	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11g/2437 MHz		

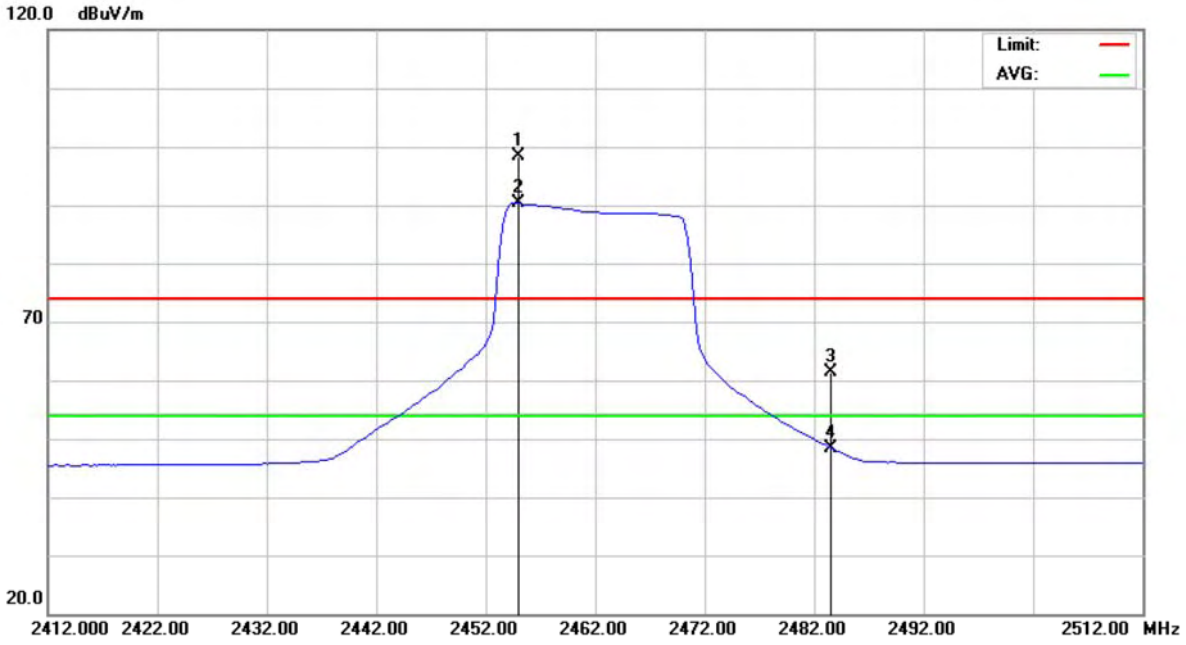
Polarization: Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4873.450	41.98	5.78	47.76	74.00	-26.24	peak	
2		4873.450	30.42	5.78	36.20	54.00	-17.80	AVG	
3		7311.000	42.08	12.57	54.65	74.00	-19.35	peak	
4	*	7311.000	30.51	12.57	43.08	54.00	-10.92	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11g/2462 MHz		

Polarization: Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2455.000	66.50	31.96	98.46	74.00	24.46	peak	
2	*	2455.000	58.32	31.96	90.28	54.00	36.28	AVG	
3		2483.500	29.33	32.09	61.42	74.00	-12.58	peak	
4		2483.500	16.36	32.09	48.45	54.00	-5.55	AVG	

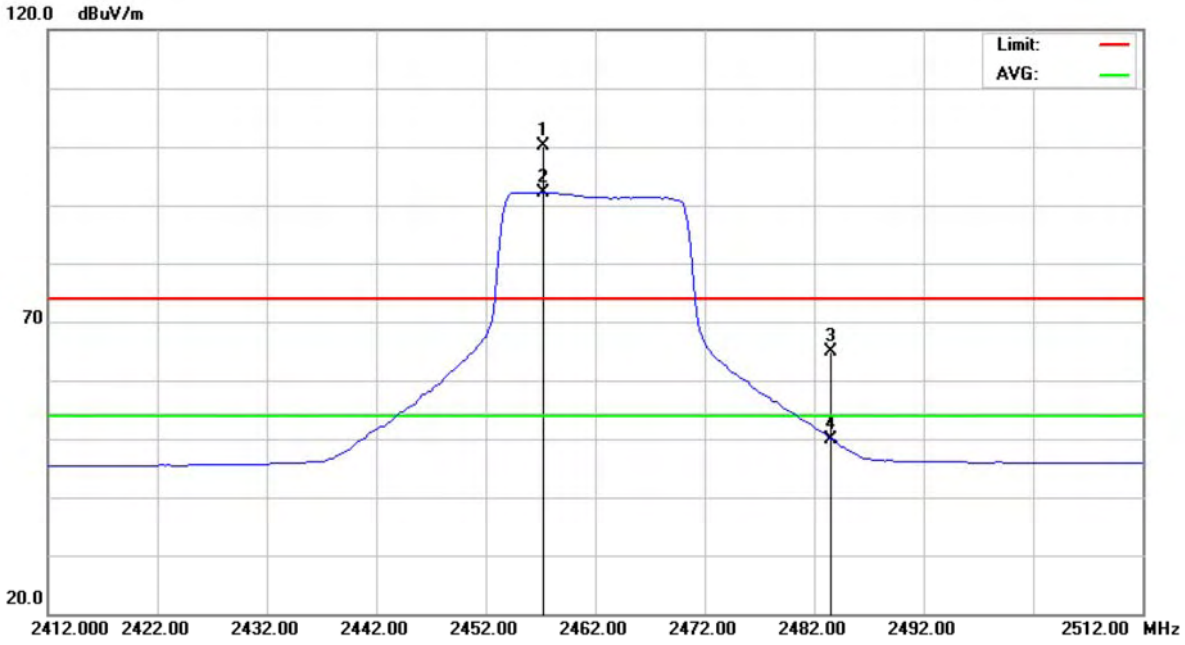
E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11g/2462 MHz		

Polarization: Vertical

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2462.120	44.20	0.09	44.29	74.00	-29.71	peak	
2		2462.120	31.21	0.09	31.30	54.00	-22.70	AVG	
3		4824.750	43.42	5.72	49.14	74.00	-24.86	peak	
4	*	4824.750	30.54	5.72	36.26	54.00	-17.74	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11g/2462 MHz		

Polarization: Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2457.250	68.18	31.97	100.15	74.00	26.15	peak	
2	*	2457.250	60.28	31.97	92.25	54.00	38.25	AVG	
3		2483.500	32.84	32.09	64.93	74.00	-9.07	peak	
4		2483.500	17.82	32.09	49.91	54.00	-4.09	AVG	

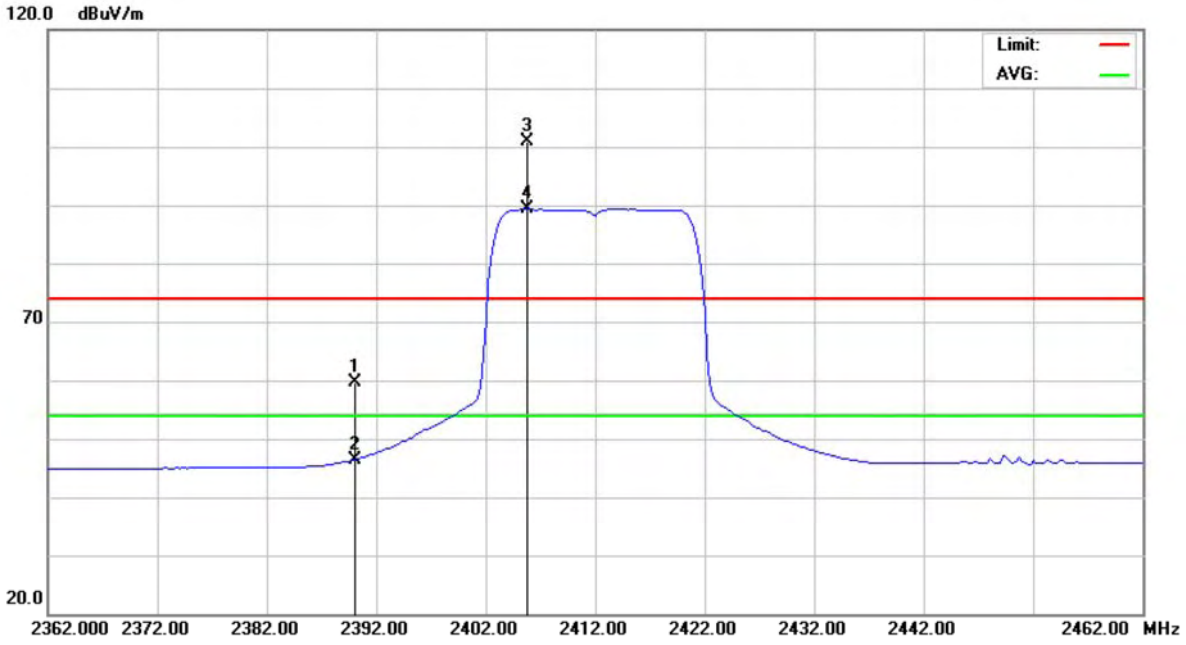
E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11g/2462 MHz		

Polarization: Horizontal

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2461.631	44.65	0.08	44.73	74.00	-29.27	peak	
2		2461.631	31.52	0.08	31.60	54.00	-22.40	AVG	
3		4924.640	42.37	5.84	48.21	74.00	-25.79	peak	
4	*	4924.640	30.00	5.84	35.84	54.00	-18.16	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11n (20 MHz)/2412 MHz		

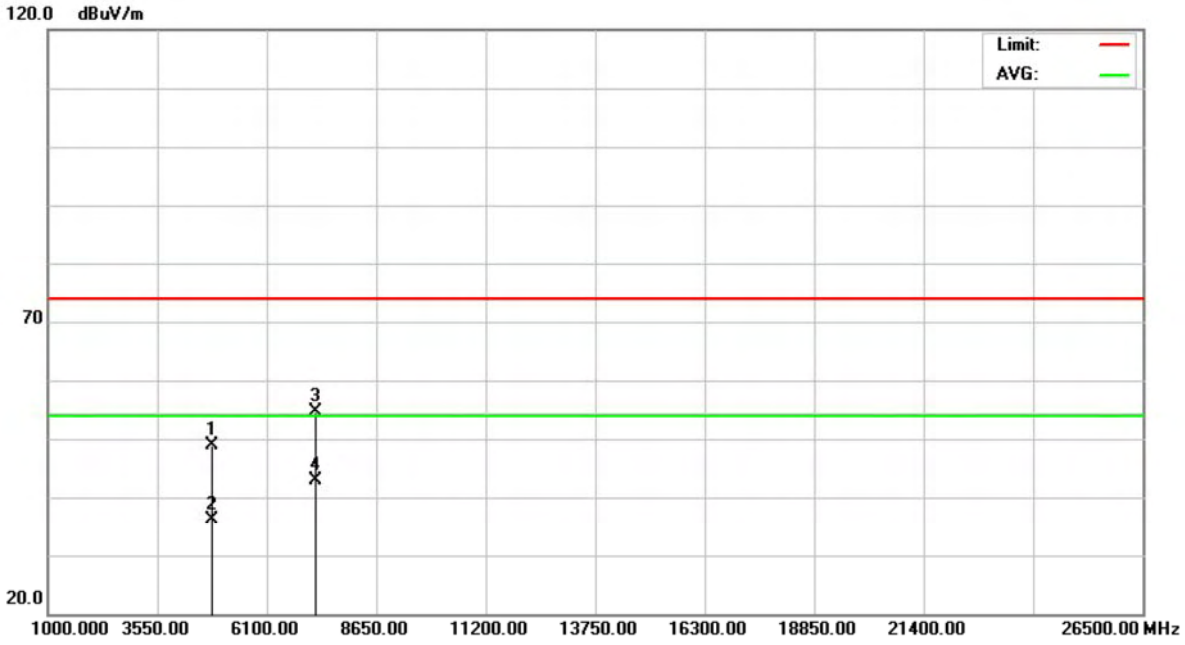
Polarization: Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	27.87	31.67	59.54	74.00	-14.46	peak	
2		2390.000	14.75	31.67	46.42	54.00	-7.58	AVG	
3	X	2405.750	69.08	31.74	100.82	74.00	26.82	peak	
4	*	2405.750	57.59	31.74	89.33	54.00	35.33	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11n (20 MHz)/2412 MHz		

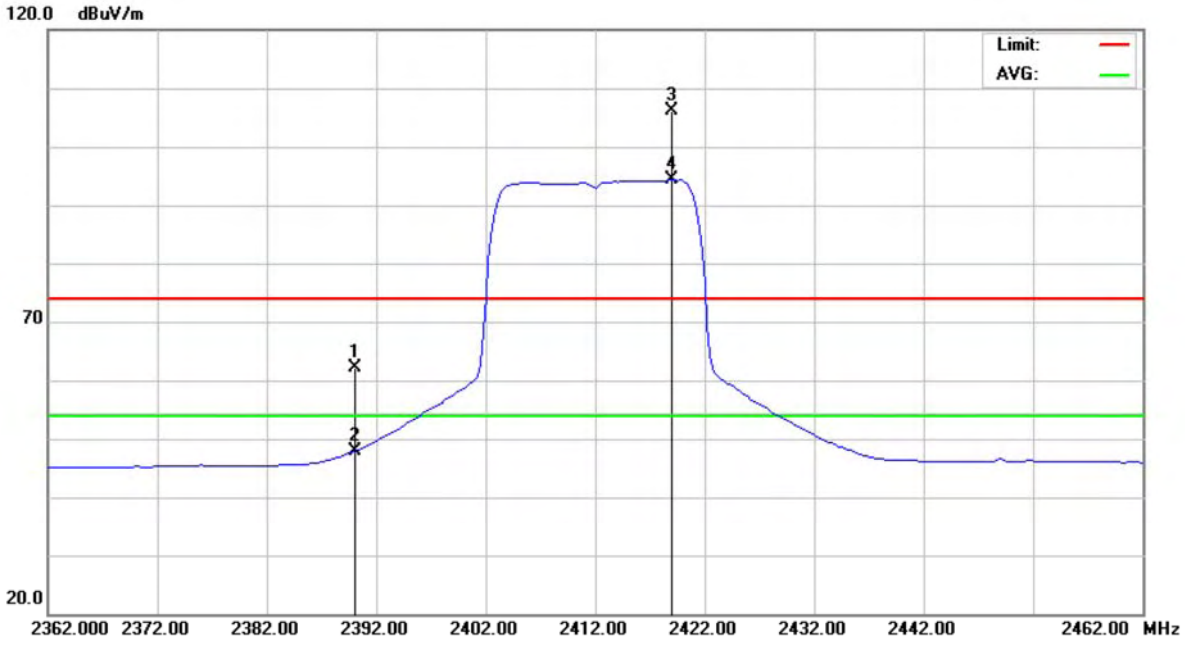
Polarization: Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4822.400	43.16	5.71	48.87	74.00	-25.13	peak	
2		4822.400	30.42	5.71	36.13	54.00	-17.87	AVG	
3		7237.925	42.30	12.30	54.60	74.00	-19.40	peak	
4	*	7237.925	30.47	12.30	42.77	54.00	-11.23	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11n (20 MHz)/2412 MHz		

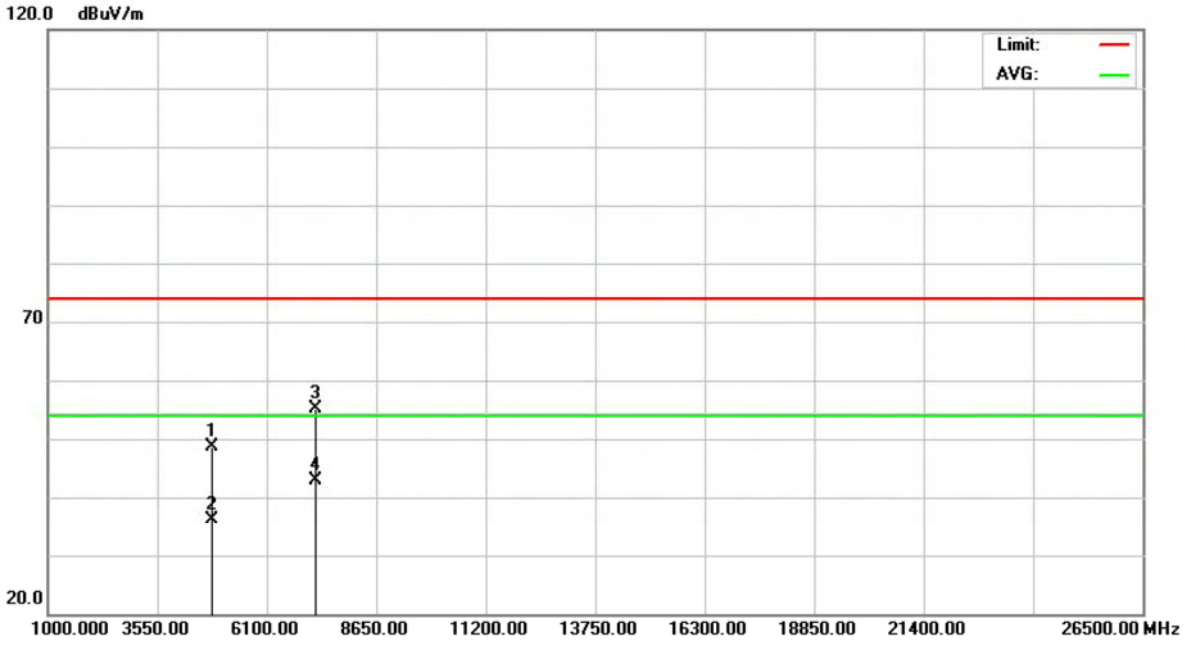
Polarization: Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	30.51	31.67	62.18	74.00	-11.82	peak	
2		2390.000	16.21	31.67	47.88	54.00	-6.12	AVG	
3	X	2419.000	74.40	31.80	106.20	74.00	32.20	peak	
4	*	2419.000	62.54	31.80	94.34	54.00	40.34	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11n (20 MHz)/2412 MHz		

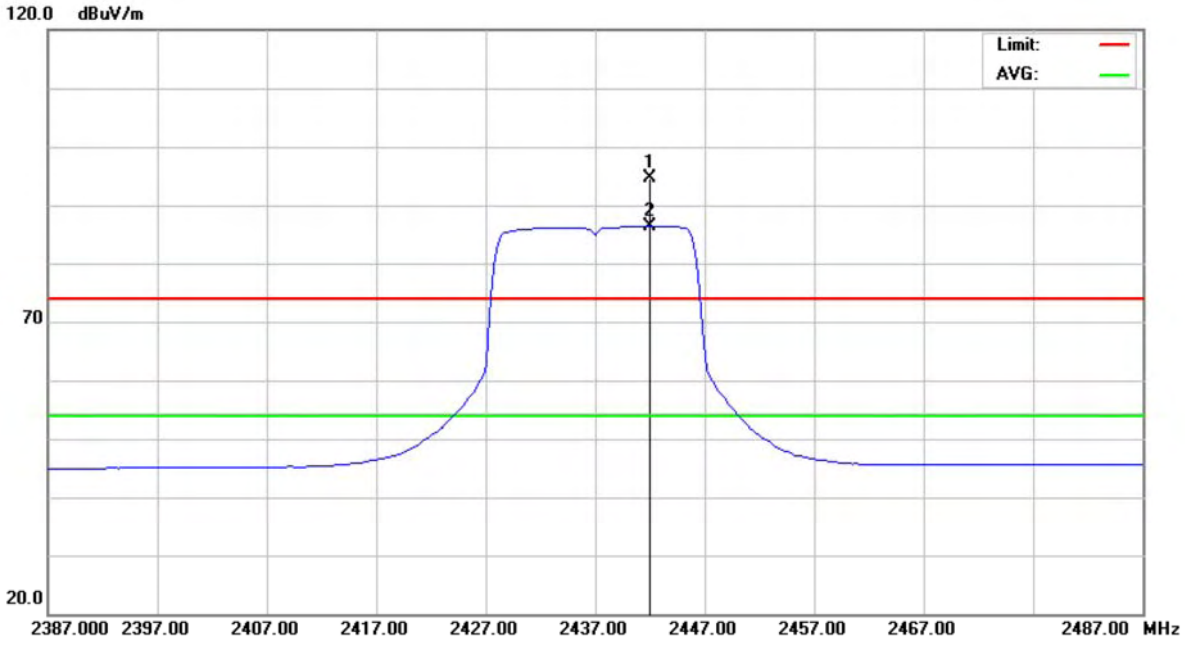
Polarization: Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4821.225	42.90	5.71	48.61	74.00	-25.39	peak	
2		4821.225	30.32	5.71	36.03	54.00	-17.97	AVG	
3		7240.650	42.70	12.31	55.01	74.00	-18.99	peak	
4	*	7240.650	30.46	12.31	42.77	54.00	-11.23	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11n (20 MHz)/2437 MHz		

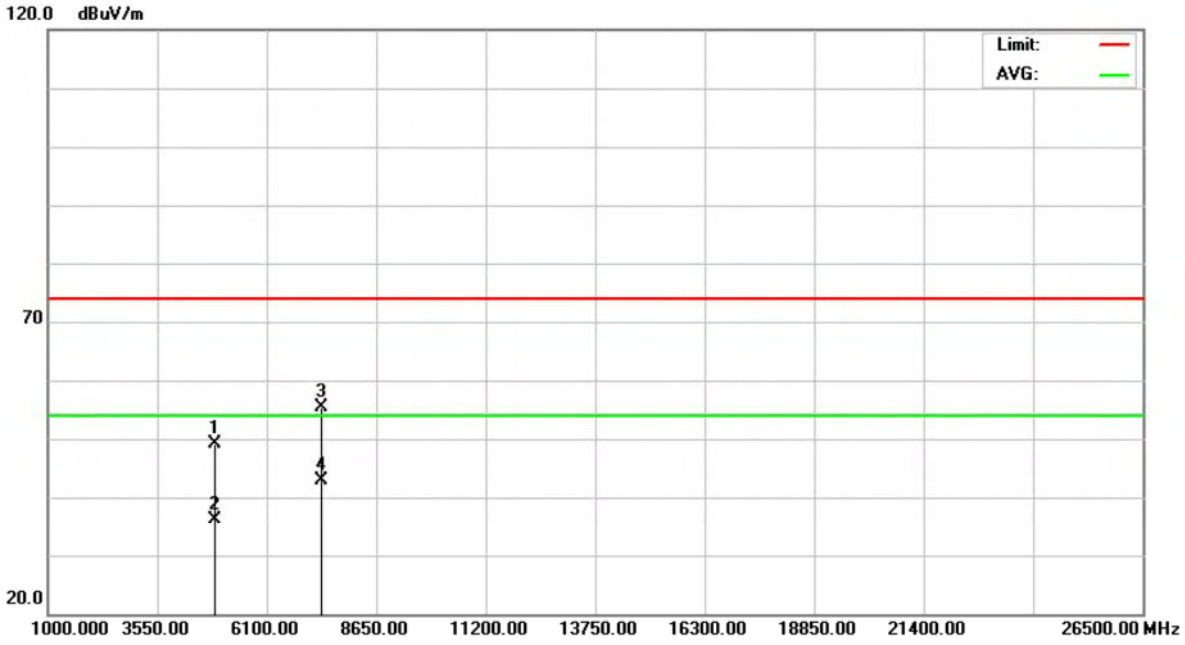
Polarization: Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2442.000	62.77	31.90	94.67	74.00	20.67	peak	
2	*	2442.000	54.59	31.90	86.49	54.00	32.49	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11n (20 MHz)/2437 MHz		

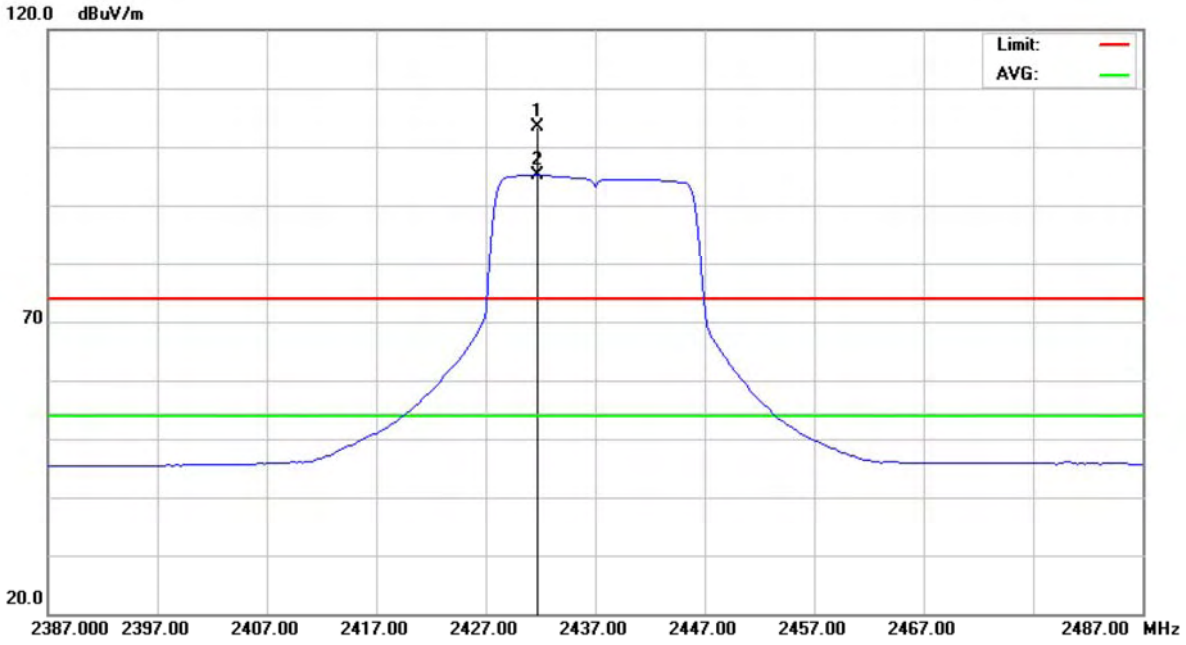
Polarization: Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4873.800	43.25	5.78	49.03	74.00	-24.97	peak	
2		4873.800	30.24	5.78	36.02	54.00	-17.98	AVG	
3		7311.475	42.81	12.57	55.38	74.00	-18.62	peak	
4	*	7311.475	30.24	12.57	42.81	54.00	-11.19	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11n (20 MHz)/2437 MHz		

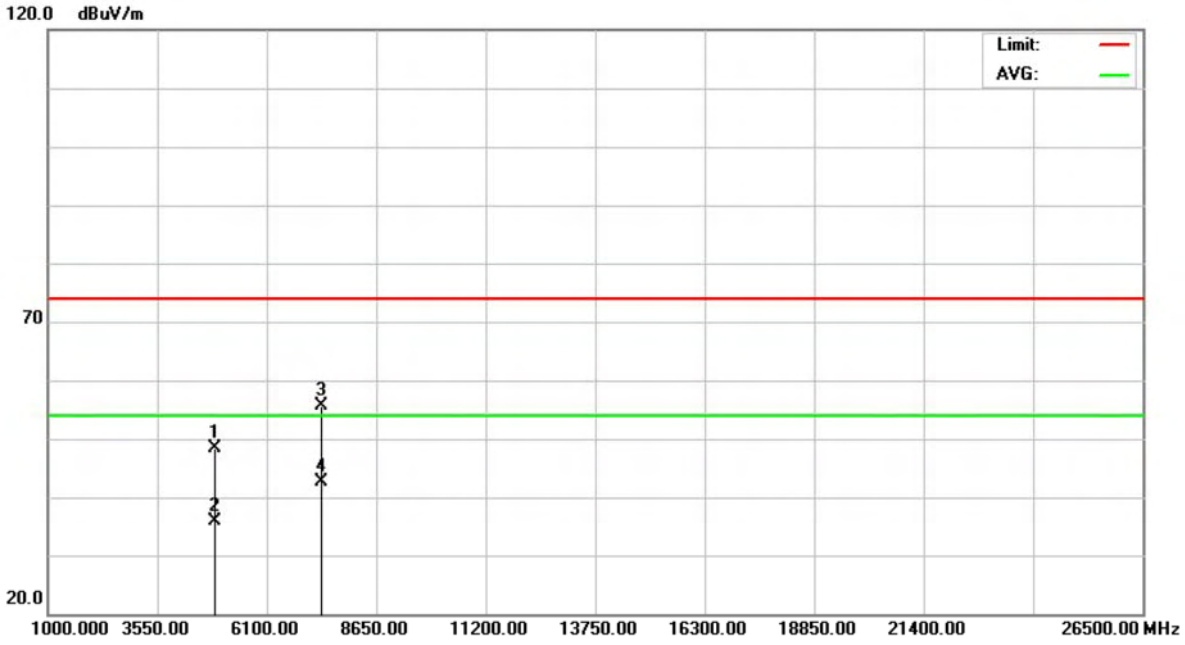
Polarization: Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2431.750	71.63	31.85	103.48	74.00	29.48	peak	
2	*	2431.750	63.25	31.85	95.10	54.00	41.10	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11n (20 MHz)/2437 MHz		

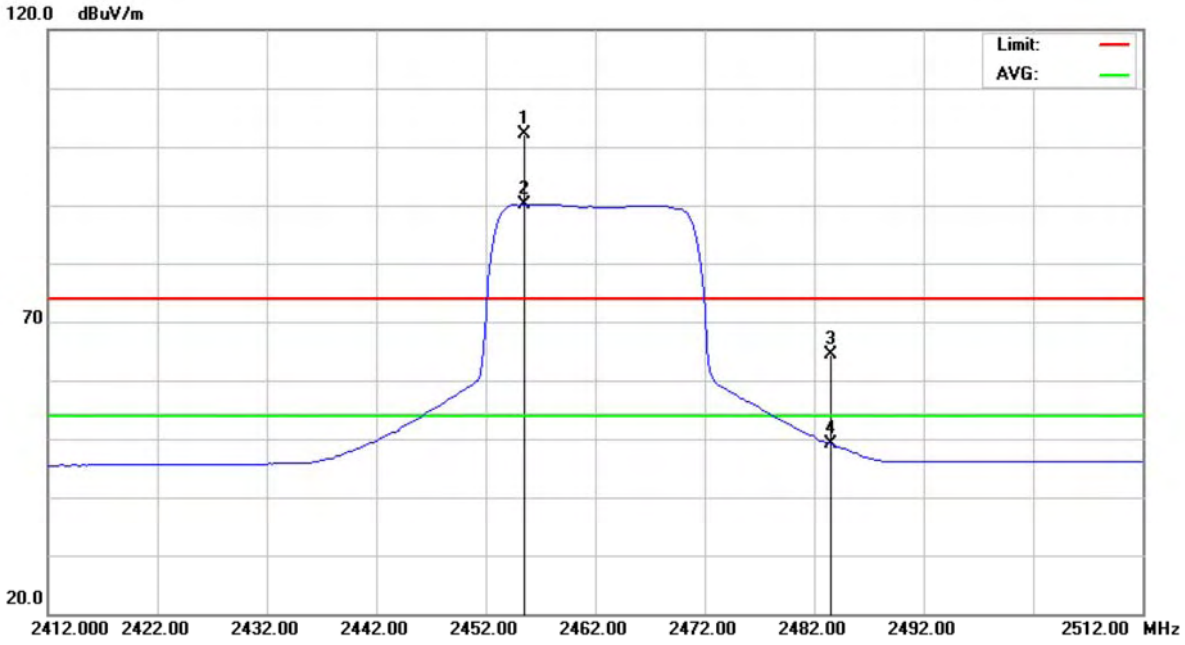
Polarization: Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4873.750	42.69	5.78	48.47	74.00	-25.53	peak	
2		4873.750	30.22	5.78	36.00	54.00	-18.00	AVG	
3		7311.450	43.06	12.57	55.63	74.00	-18.37	peak	
4	*	7311.450	30.16	12.57	42.73	54.00	-11.27	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11n (20 MHz)/2462 MHz		

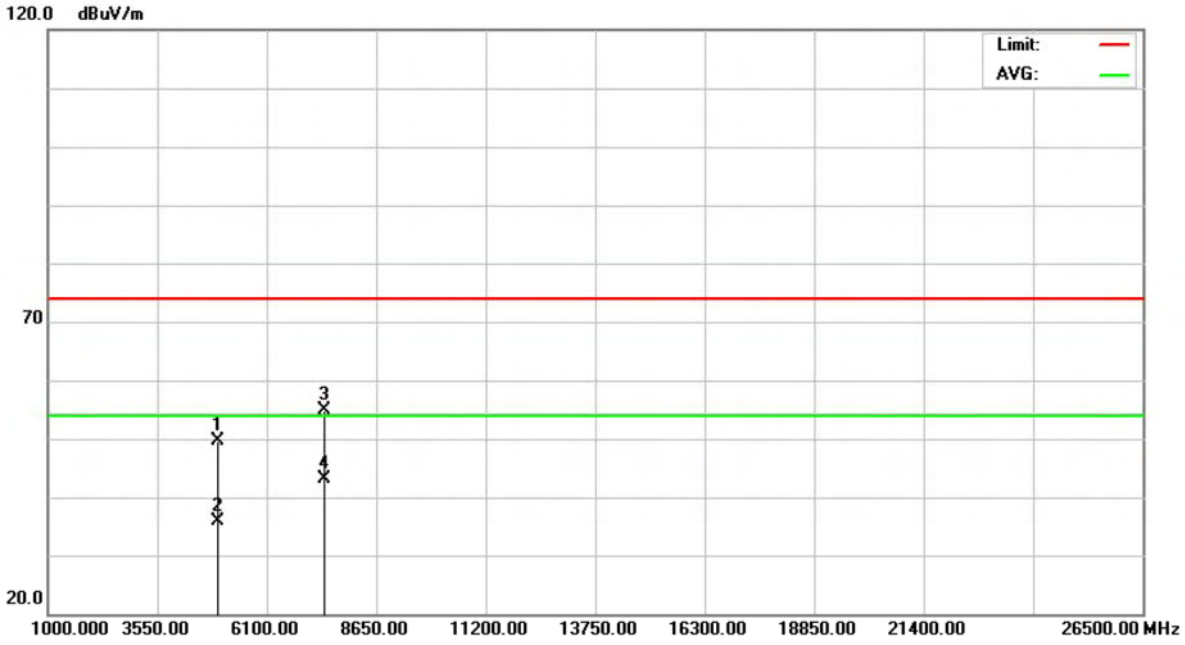
Polarization: Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2455.500	70.26	31.96	102.22	74.00	28.22	peak	
2	*	2455.500	58.22	31.96	90.18	54.00	36.18	AVG	
3		2483.500	32.25	32.09	64.34	74.00	-9.66	peak	
4		2483.500	17.09	32.09	49.18	54.00	-4.82	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11n (20 MHz)/2462 MHz		

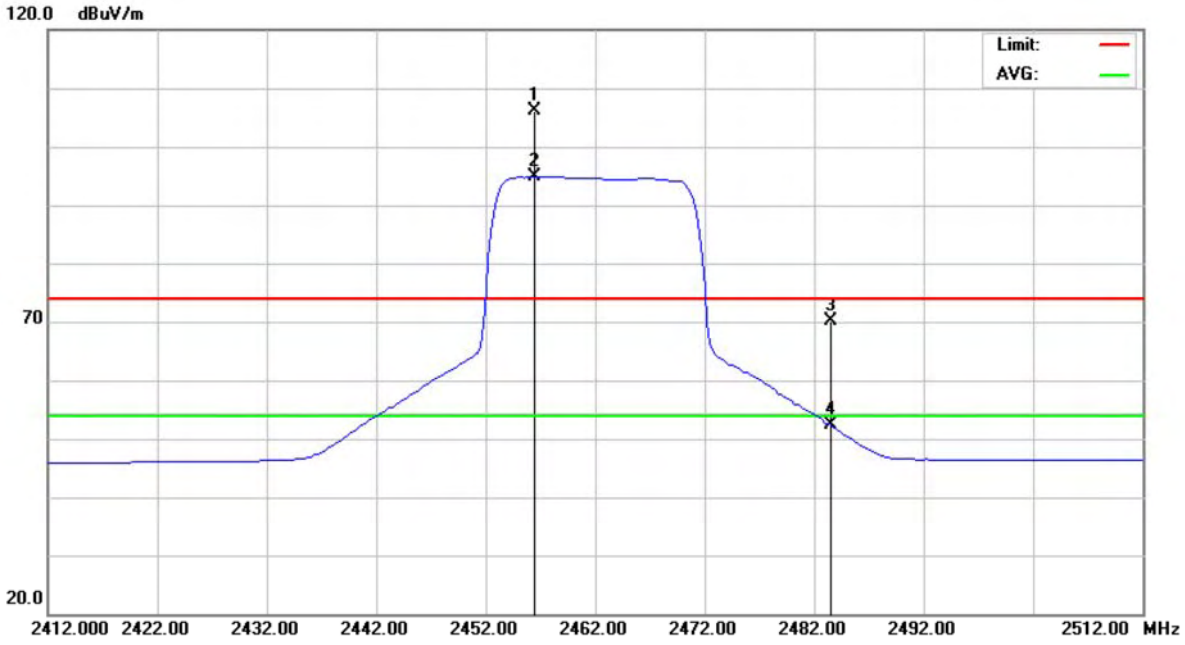
Polarization: Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.737	43.89	5.84	49.73	74.00	-24.27	peak	
2		4924.737	30.05	5.84	35.89	54.00	-18.11	AVG	
3		7386.154	42.00	12.85	54.85	74.00	-19.15	peak	
4	*	7386.154	30.19	12.85	43.04	54.00	-10.96	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11n (20 MHz)/2462 MHz		

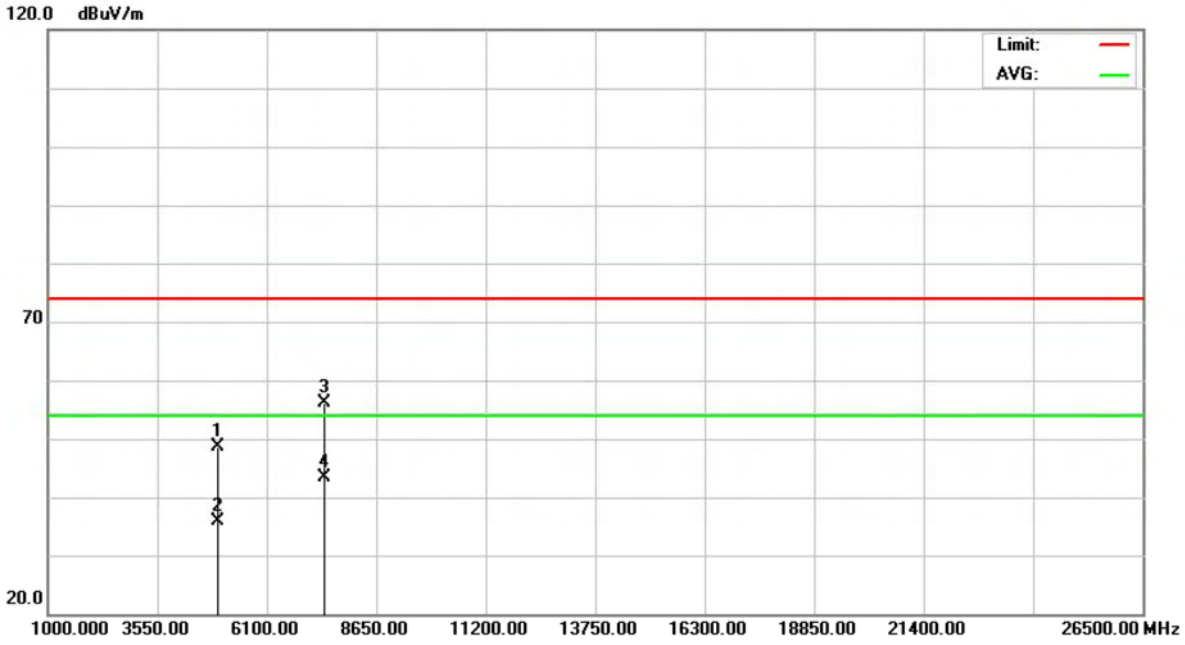
Polarization: Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2456.500	74.20	31.97	106.17	74.00	32.17	peak	
2	*	2456.500	62.94	31.97	94.91	54.00	40.91	AVG	
3		2483.500	38.00	32.09	70.09	74.00	-3.91	peak	
4		2483.500	20.25	32.09	52.34	54.00	-1.66	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11n (20 MHz)/2462 MHz		

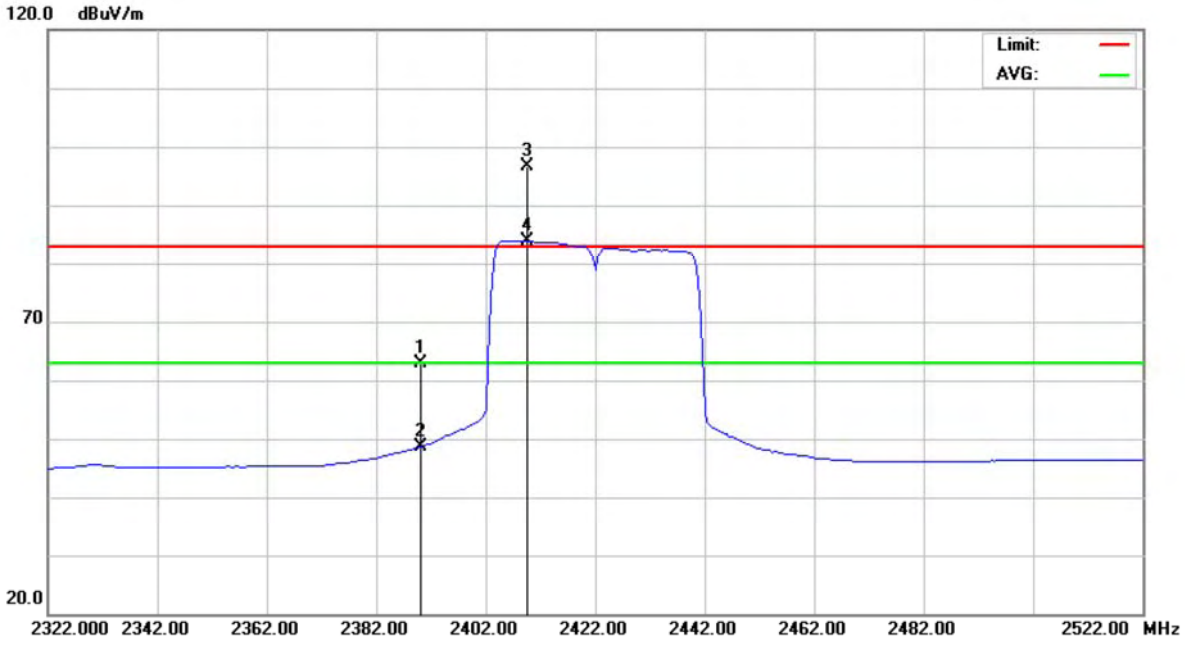
Polarization: Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.888	42.75	5.84	48.59	74.00	-25.41	peak	
2		4924.888	30.02	5.84	35.86	54.00	-18.14	AVG	
3		7386.310	43.40	12.85	56.25	74.00	-17.75	peak	
4	*	7386.310	30.41	12.85	43.26	54.00	-10.74	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11n (40 MHz)/2422 MHz		

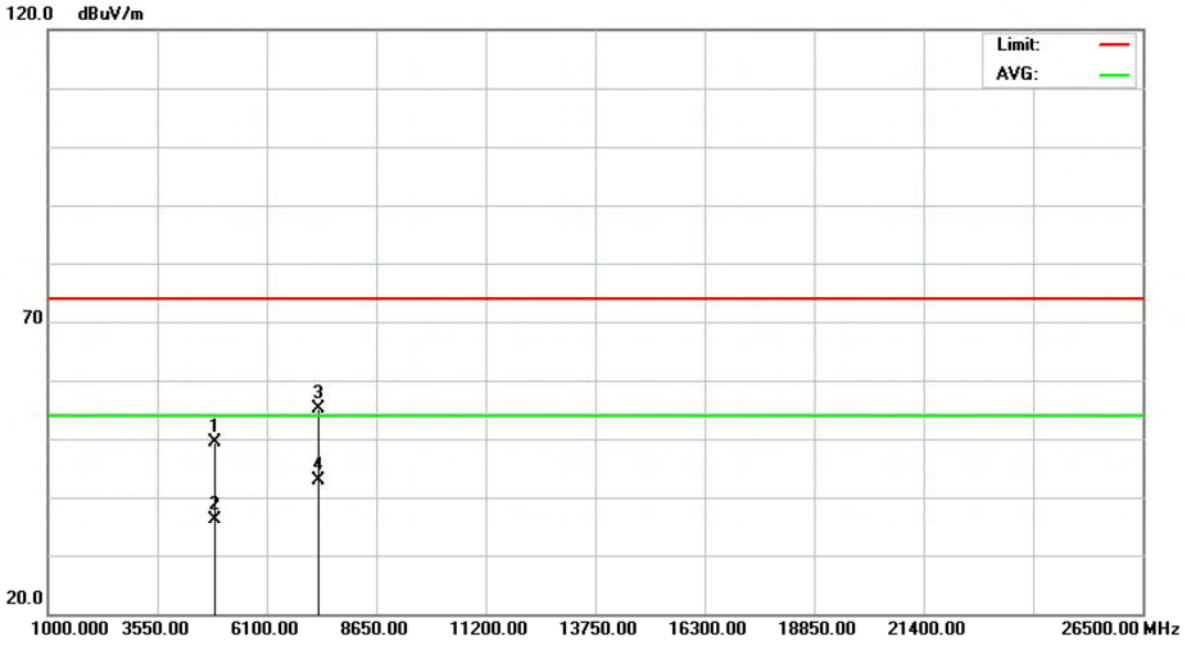
Polarization: Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	30.94	31.87	62.81	83.00	-20.19	peak	
2		2390.000	16.71	31.87	48.58	63.00	-14.42	AVG	
3	X	2409.500	64.58	31.95	96.53	83.00	13.53	peak	
4	*	2409.500	51.96	31.95	83.91	63.00	20.91	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11n (40 MHz)/2422 MHz		

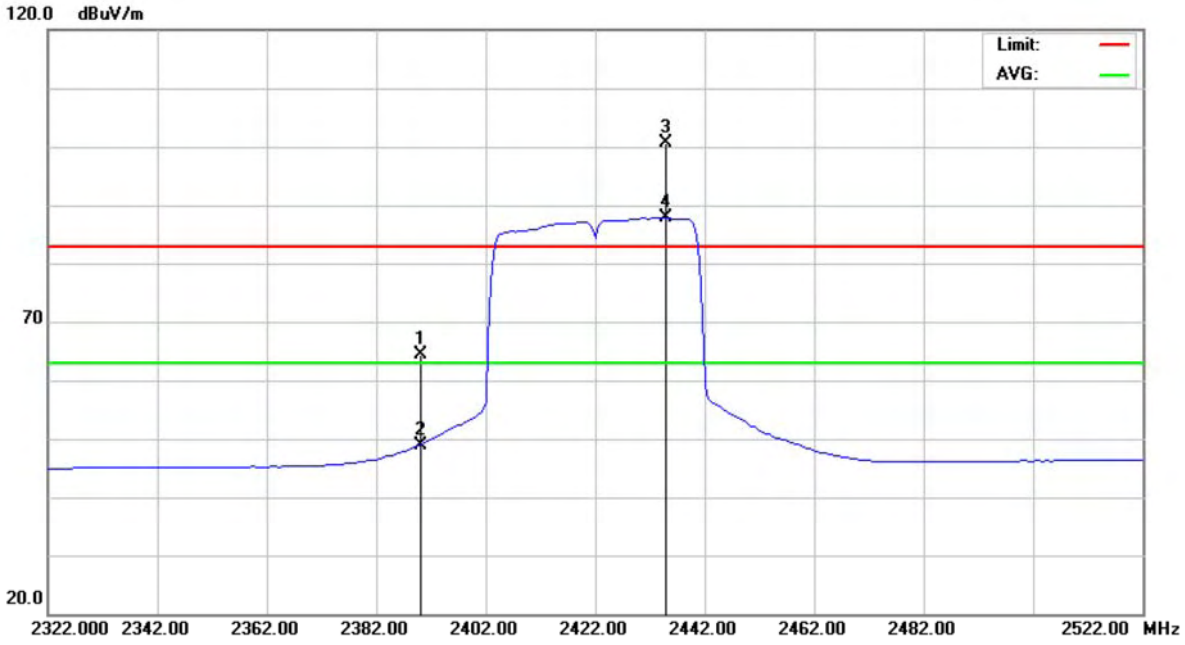
Polarization: Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4844.000	43.73	5.74	49.47	74.00	-24.53	peak	
2		4844.000	30.43	5.74	36.17	54.00	-17.83	AVG	
3		7261.675	42.76	12.38	55.14	74.00	-18.86	peak	
4	*	7261.675	30.45	12.38	42.83	54.00	-11.17	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11n (40 MHz)/2422 MHz		

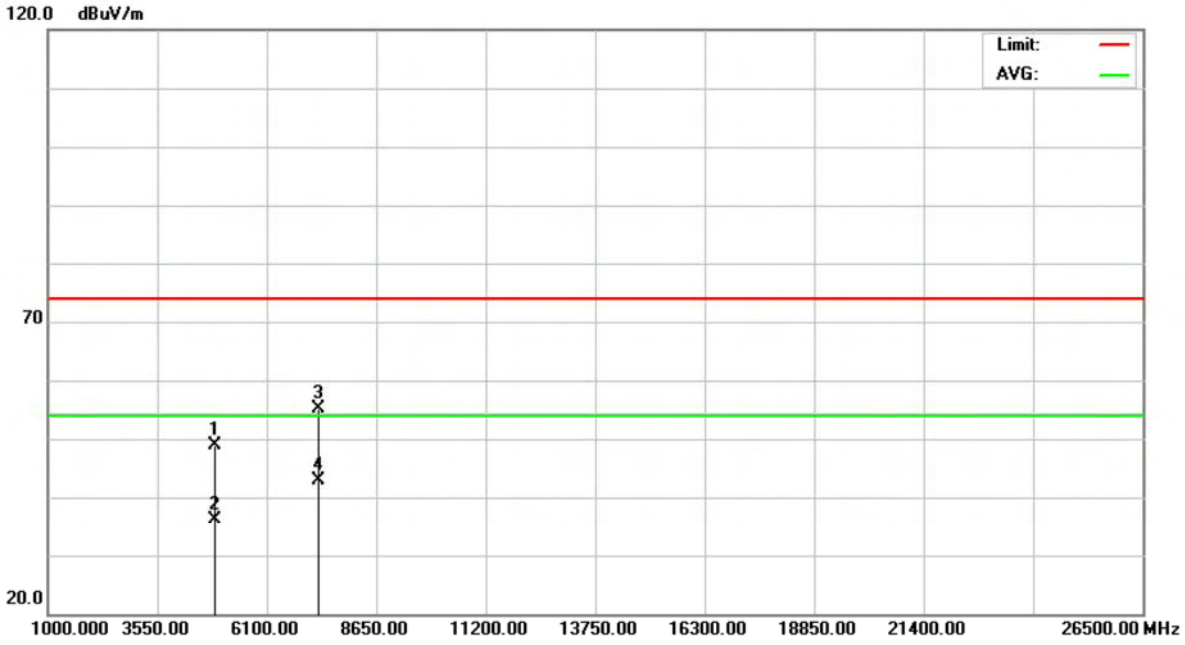
Polarization: Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	32.50	31.87	64.37	83.00	-18.63	peak	
2		2390.000	17.11	31.87	48.98	63.00	-14.02	AVG	
3	X	2435.000	68.54	32.07	100.61	83.00	17.61	peak	
4	*	2435.000	55.84	32.07	87.91	63.00	24.91	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11n (40 MHz)/2422 MHz		

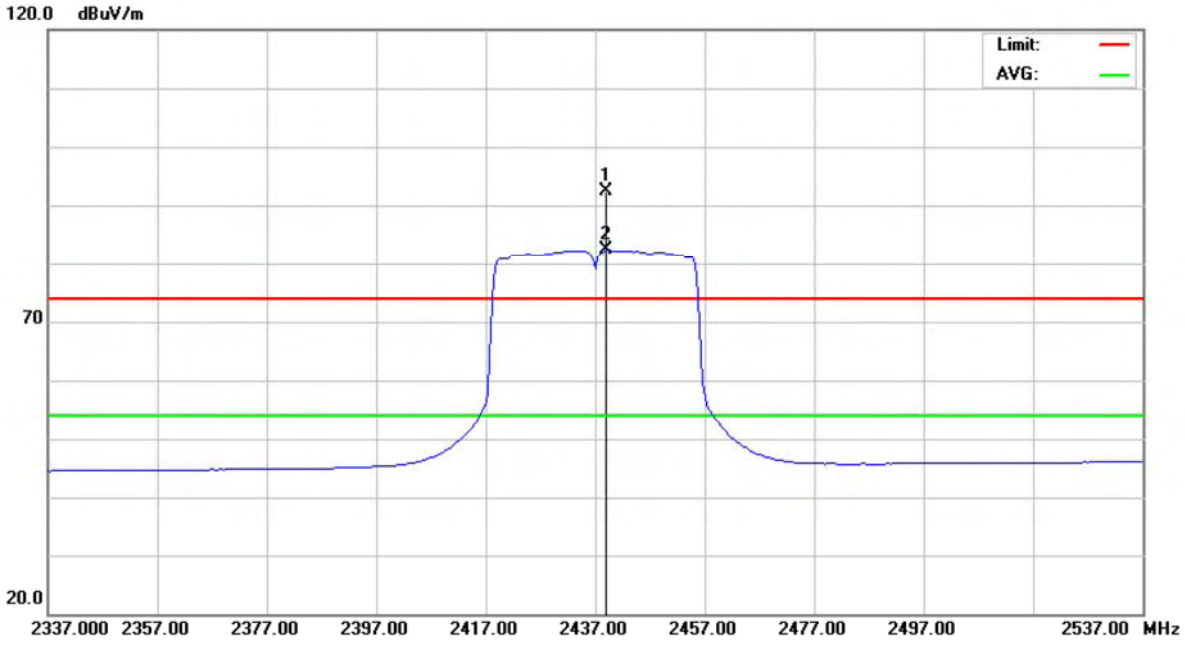
Polarization: Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4842.350	43.04	5.74	48.78	74.00	-25.22	peak	
2		4842.350	30.36	5.74	36.10	54.00	-17.90	AVG	
3		7265.800	42.72	12.40	55.12	74.00	-18.88	peak	
4	*	7265.800	30.39	12.40	42.79	54.00	-11.21	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11n (40 MHz)/2437 MHz		

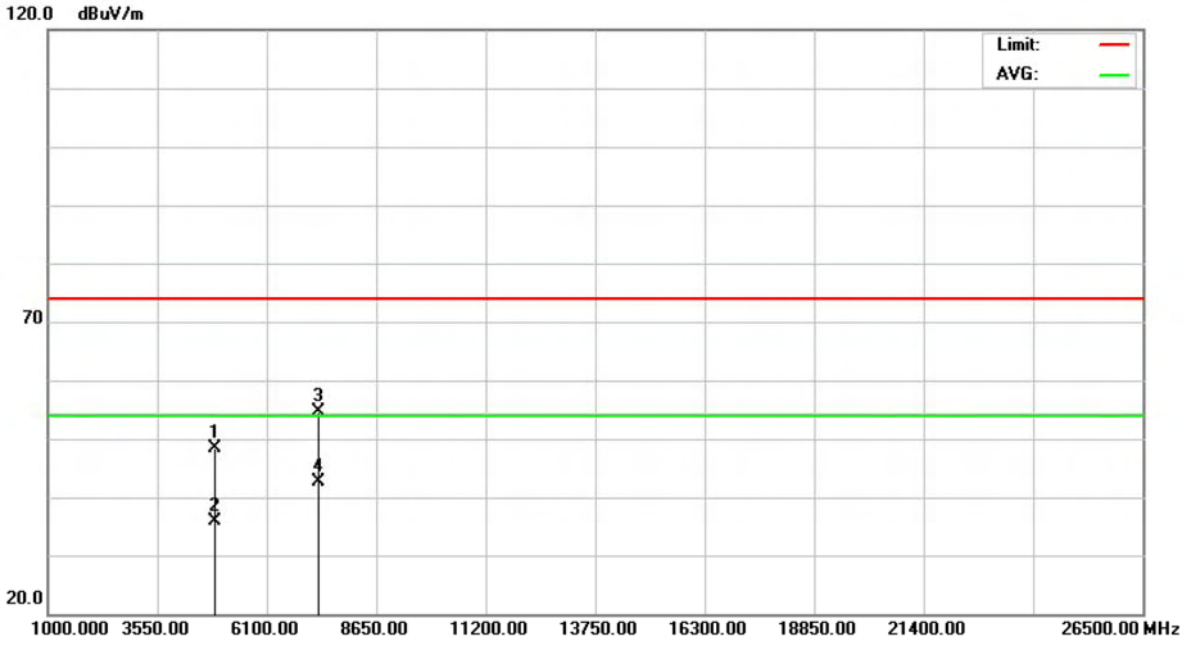
Polarization: Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2439.000	60.44	31.89	92.33	74.00	18.33	peak	
2	*	2439.000	50.38	31.89	82.27	54.00	28.27	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11n (40 MHz)/2437 MHz		

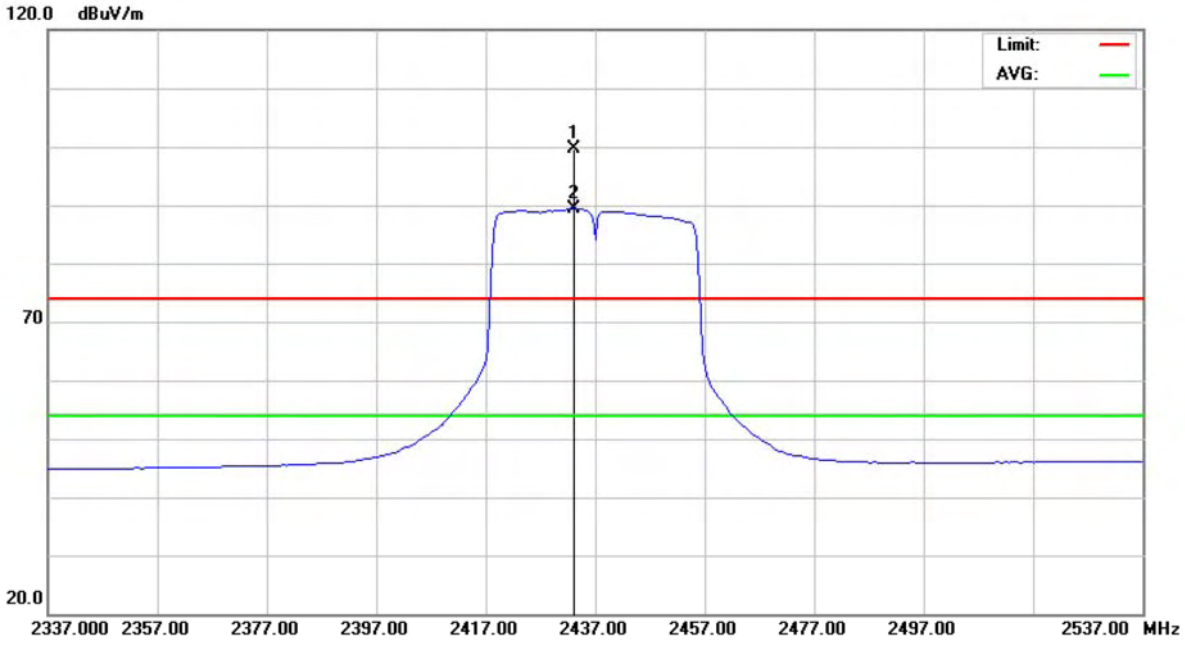
Polarization: Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.175	42.54	5.78	48.32	74.00	-25.68	peak	
2		4874.175	30.15	5.78	35.93	54.00	-18.07	AVG	
3		7311.250	42.03	12.57	54.60	74.00	-19.40	peak	
4	*	7311.250	30.05	12.57	42.62	54.00	-11.38	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11n (40 MHz)/2437 MHz		

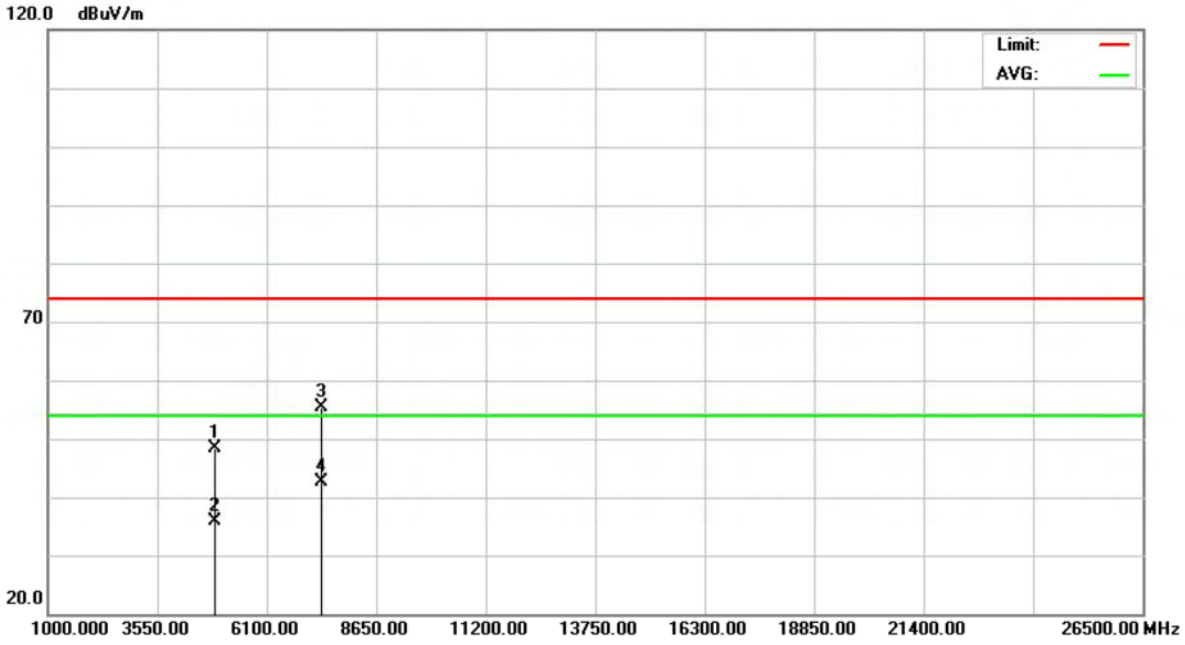
Polarization: Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2433.000	67.89	31.86	99.75	74.00	25.75	peak	
2	*	2433.000	57.47	31.86	89.33	54.00	35.33	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11n (40 MHz)/2437 MHz		

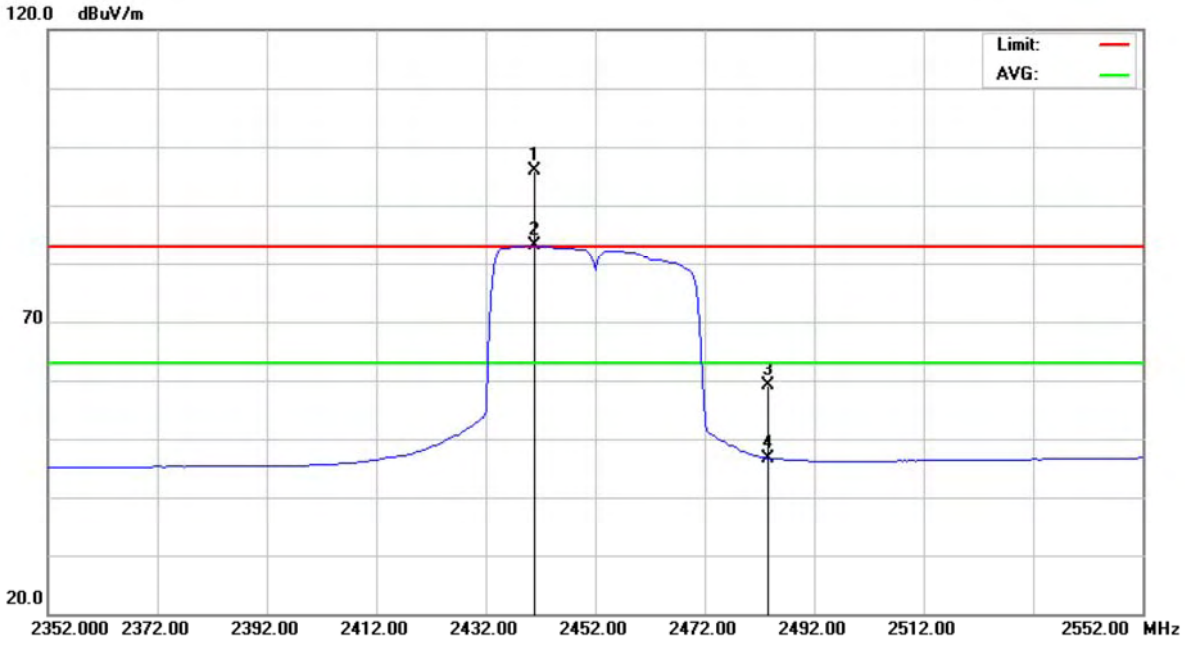
Polarization: Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4873.700	42.59	5.78	48.37	74.00	-25.63	peak	
2		4873.700	30.13	5.78	35.91	54.00	-18.09	AVG	
3		7311.410	42.92	12.57	55.49	74.00	-18.51	peak	
4	*	7311.410	30.09	12.57	42.66	54.00	-11.34	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11n (40 MHz)/2452 MHz		

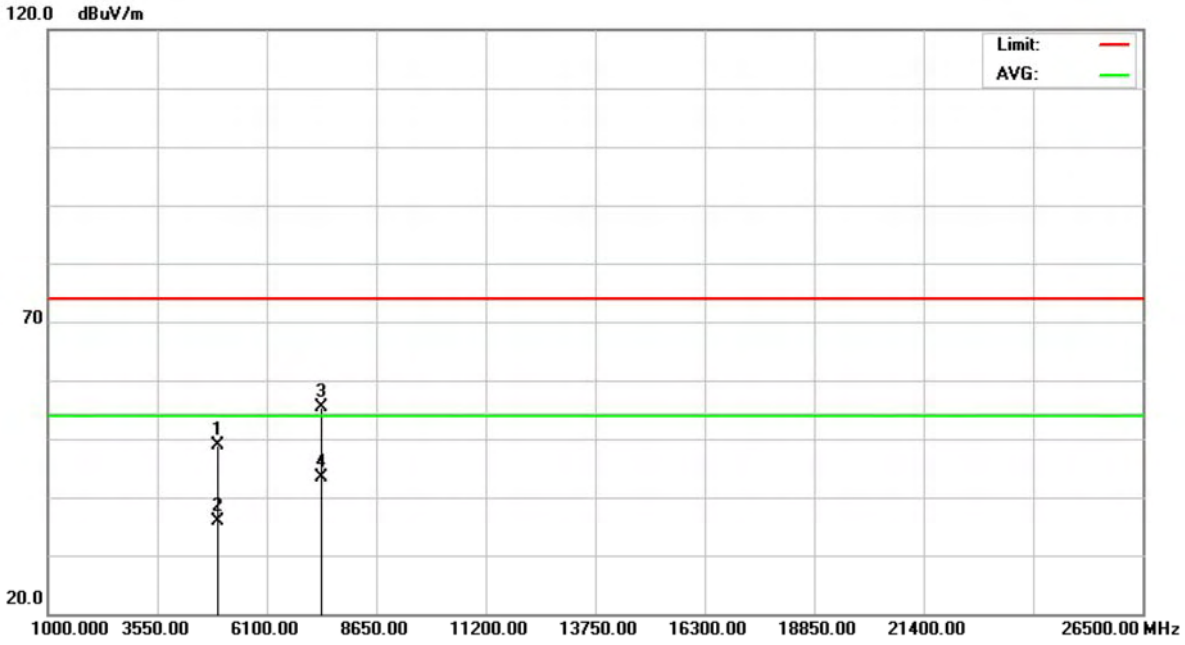
Polarization: Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2441.000	63.74	32.10	95.84	83.00	12.84	peak	
2	*	2441.000	50.93	32.10	83.03	63.00	20.03	AVG	
3		2483.500	26.75	32.29	59.04	83.00	-23.96	peak	
4		2483.500	14.42	32.29	46.71	63.00	-16.29	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11n (40 MHz)/2452 MHz		

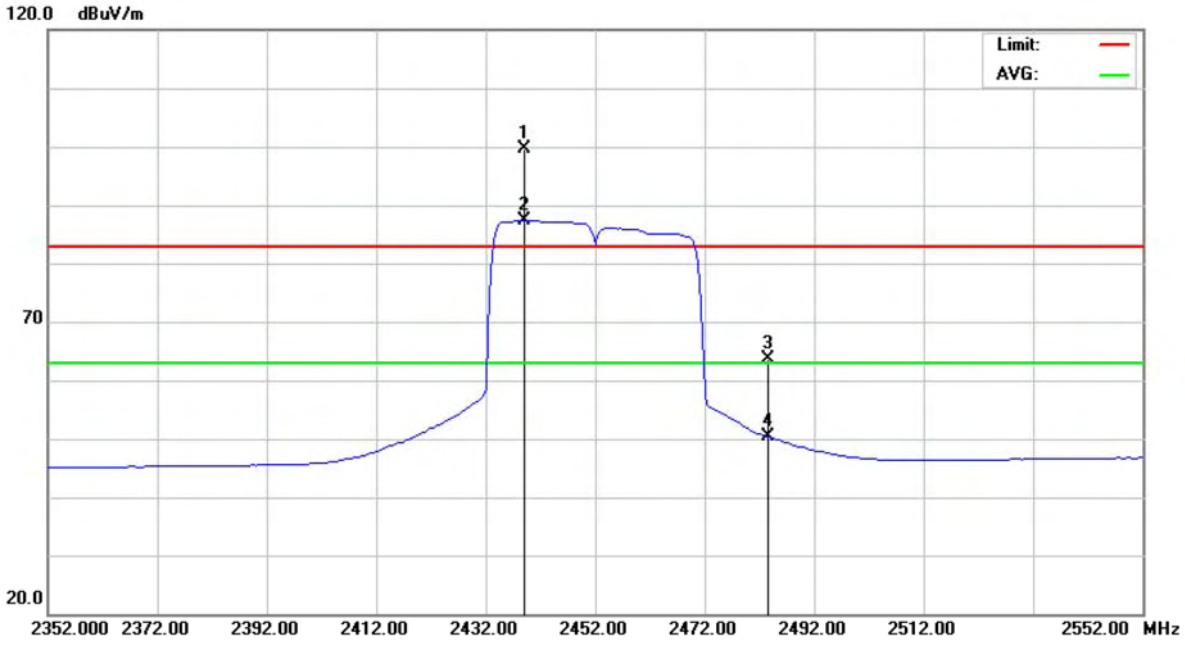
Polarization: Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4903.900	43.05	5.82	48.87	74.00	-25.13	peak	
2		4903.900	30.11	5.82	35.93	54.00	-18.07	AVG	
3		7353.875	42.56	12.73	55.29	74.00	-18.71	peak	
4	*	7353.875	30.56	12.73	43.29	54.00	-10.71	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11n (40 MHz)/2452 MHz		

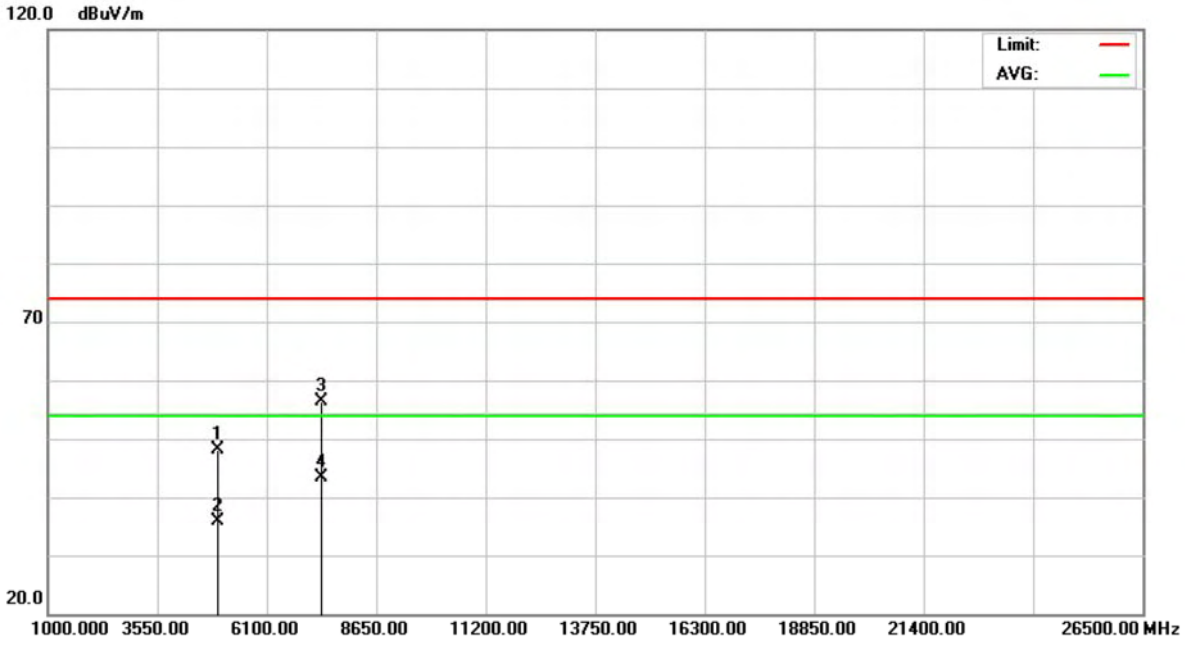
Polarization: Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2439.000	67.54	32.09	99.63	83.00	16.63	peak	
2	*	2439.000	55.33	32.09	87.42	63.00	24.42	AVG	
3		2483.500	31.41	32.29	63.70	83.00	-19.30	peak	
4		2483.500	17.97	32.29	50.26	63.00	-12.74	AVG	

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11n (40 MHz)/2452 MHz		

Polarization: Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4903.075	42.39	5.82	48.21	74.00	-25.79	peak	
2		4903.075	30.09	5.82	35.91	54.00	-18.09	AVG	
3		7354.700	43.64	12.73	56.37	74.00	-17.63	peak	
4	*	7354.700	30.55	12.73	43.28	54.00	-10.72	AVG	