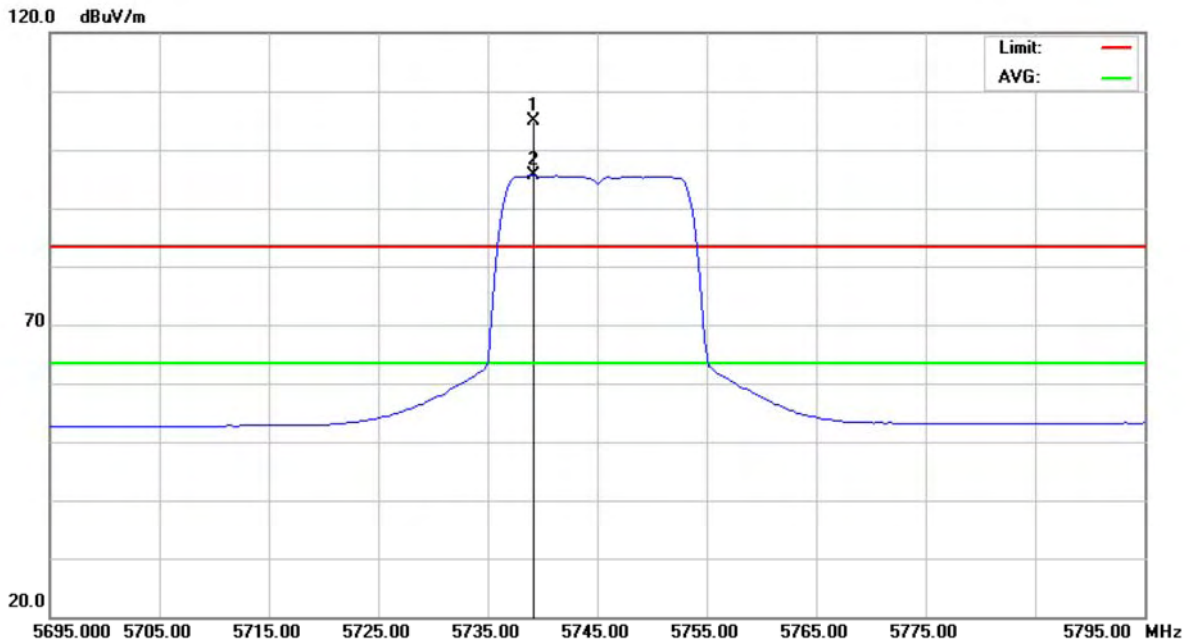




9.9 TEST RESULTS - 5745-5825 MHZ

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 802.11a/5745 MHz		

Polarization: Vertical

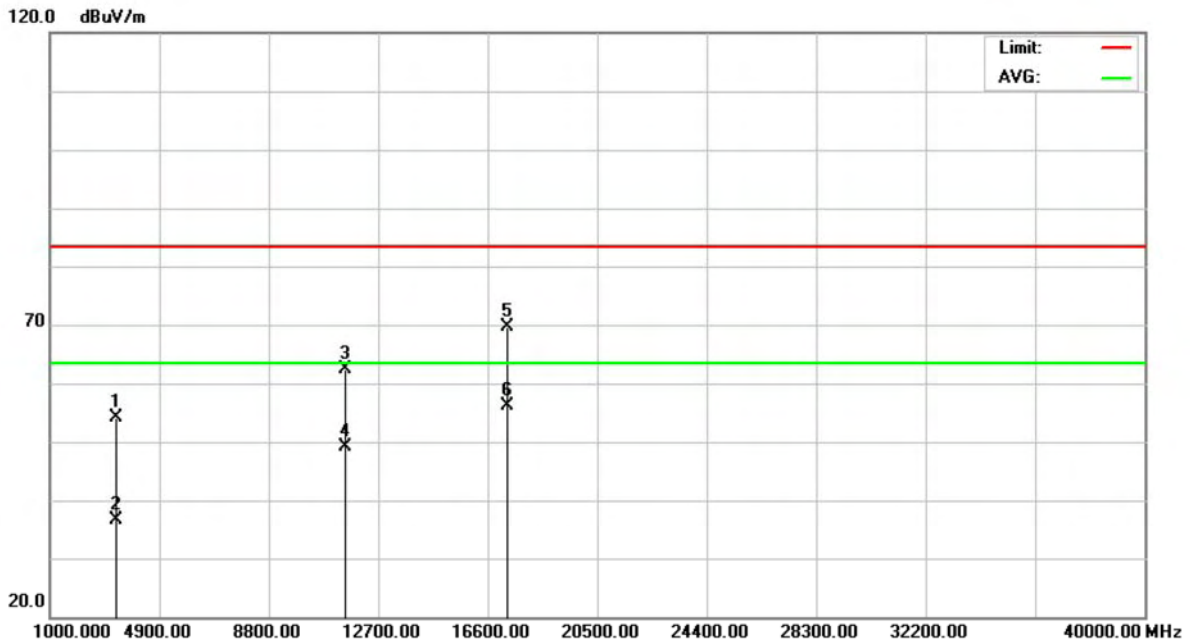


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	5739.250	65.26	39.69	104.95	83.50	21.45	peak	
2	*	5739.250	55.91	39.69	95.60	63.50	32.10	AVG	



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 802.11a/5745 MHz		

Polarization: Vertical

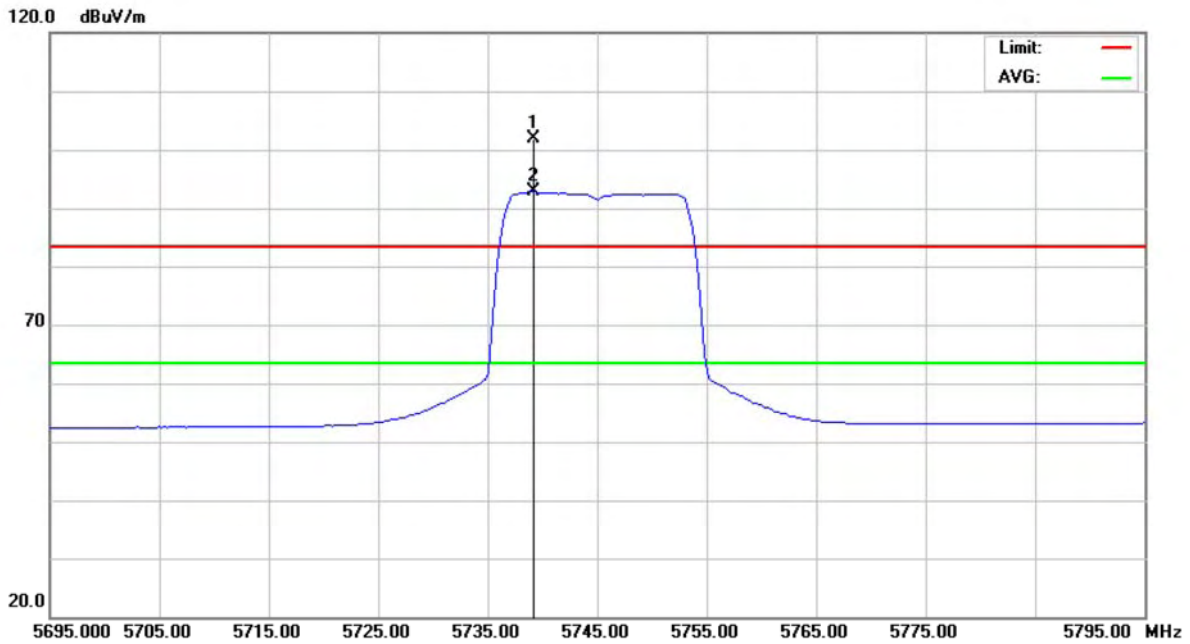


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		3327.750	51.78	2.28	54.06	83.50	-29.44	peak	
2		3327.750	34.36	2.28	36.64	63.50	-26.86	AVG	
3		11491.15	44.12	18.29	62.41	83.50	-21.09	peak	
4		11491.15	30.77	18.29	49.06	63.50	-14.44	AVG	
5		17234.47	44.28	25.28	69.56	83.50	-13.94	peak	
6	*	17234.47	30.84	25.28	56.12	63.50	-7.38	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 802.11a/5745 MHz		

Polarization: Horizontal

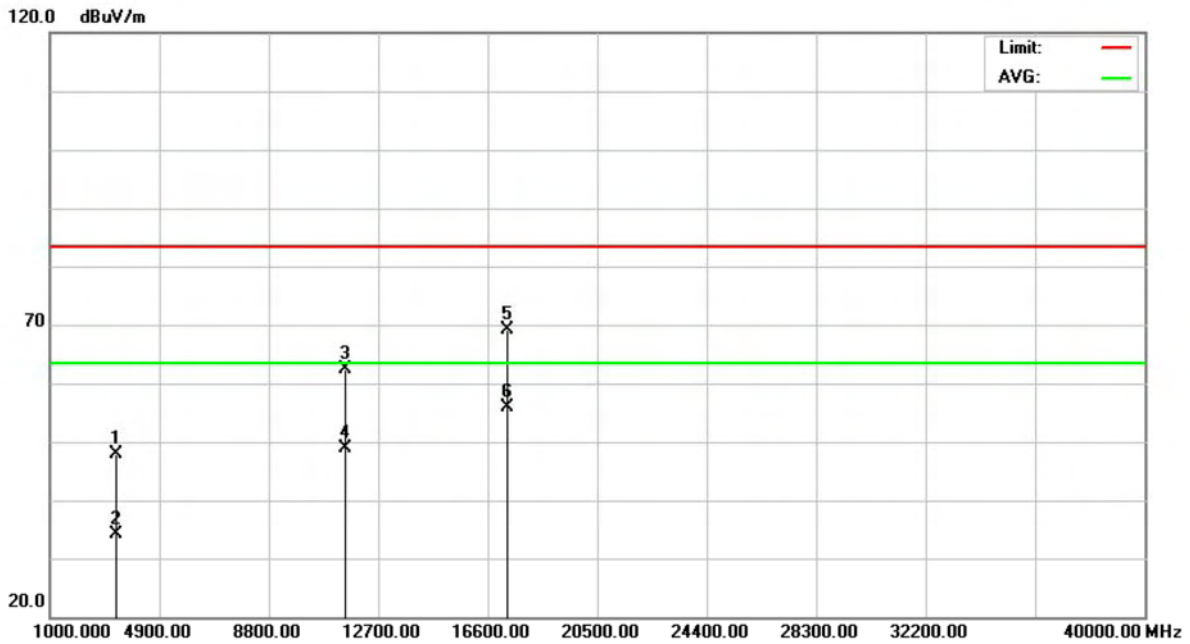


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	5739.250	62.31	39.69	102.00	83.50	18.50	peak	
2	*	5739.250	53.13	39.69	92.82	63.50	29.32	AVG	



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 802.11a/5745 MHz		

Polarization: Horizontal

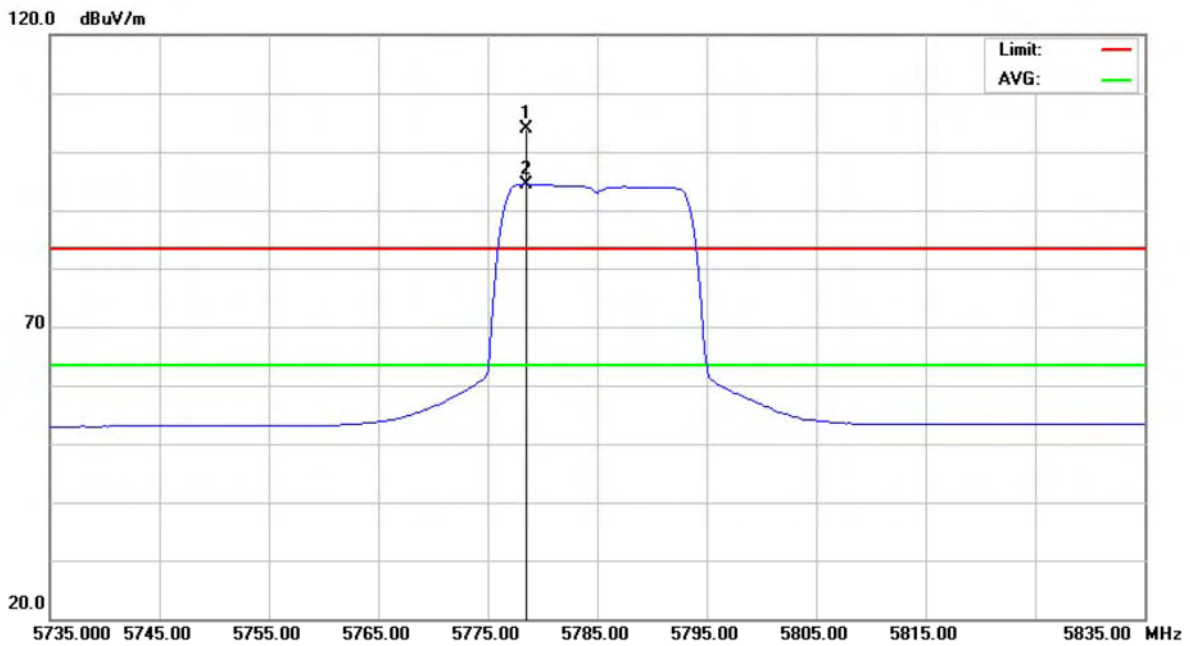


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		3329.425	45.58	2.28	47.86	83.50	-35.64	peak	
2		3329.425	31.79	2.28	34.07	63.50	-29.43	AVG	
3		11489.12	43.98	18.29	62.27	83.50	-21.23	peak	
4		11489.12	30.60	18.29	48.89	63.50	-14.61	AVG	
5		17235.10	43.88	25.28	69.16	83.50	-14.34	peak	
6	*	17235.10	30.66	25.28	55.94	63.50	-7.56	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 802.11a/5785 MHz		

Polarization: Vertical

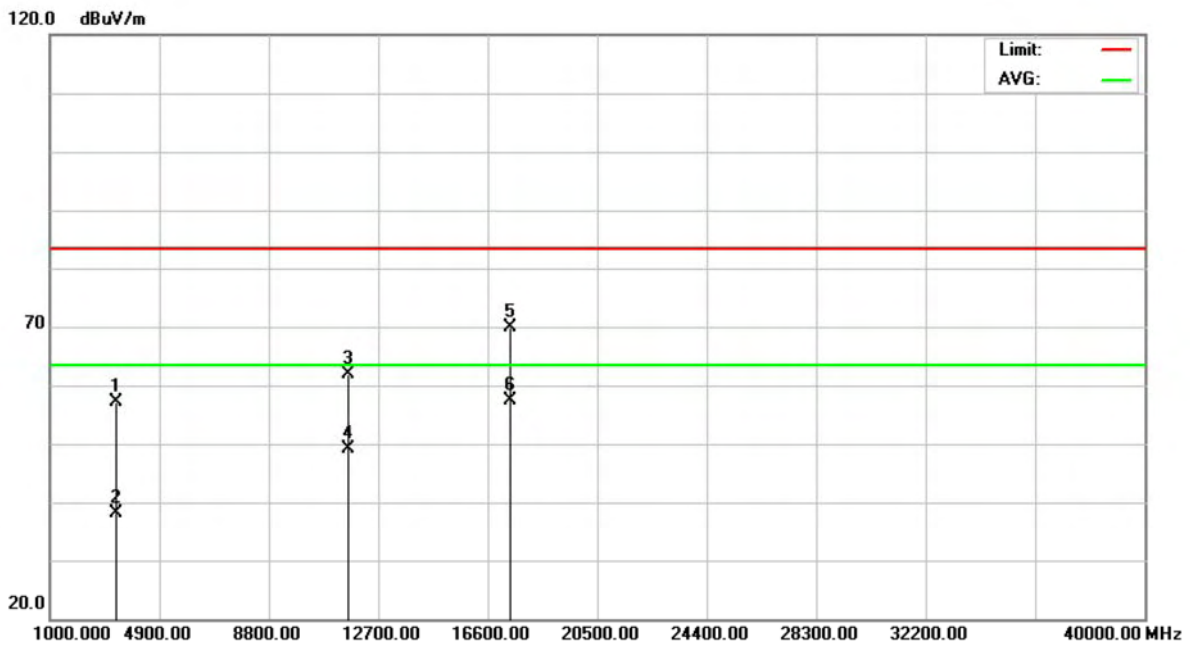


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	5778.500	64.07	39.78	103.85	83.50	20.35	peak	
2	*	5778.500	54.72	39.78	94.50	63.50	31.00	AVG	



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 802.11a/5785 MHz		

Polarization: Vertical

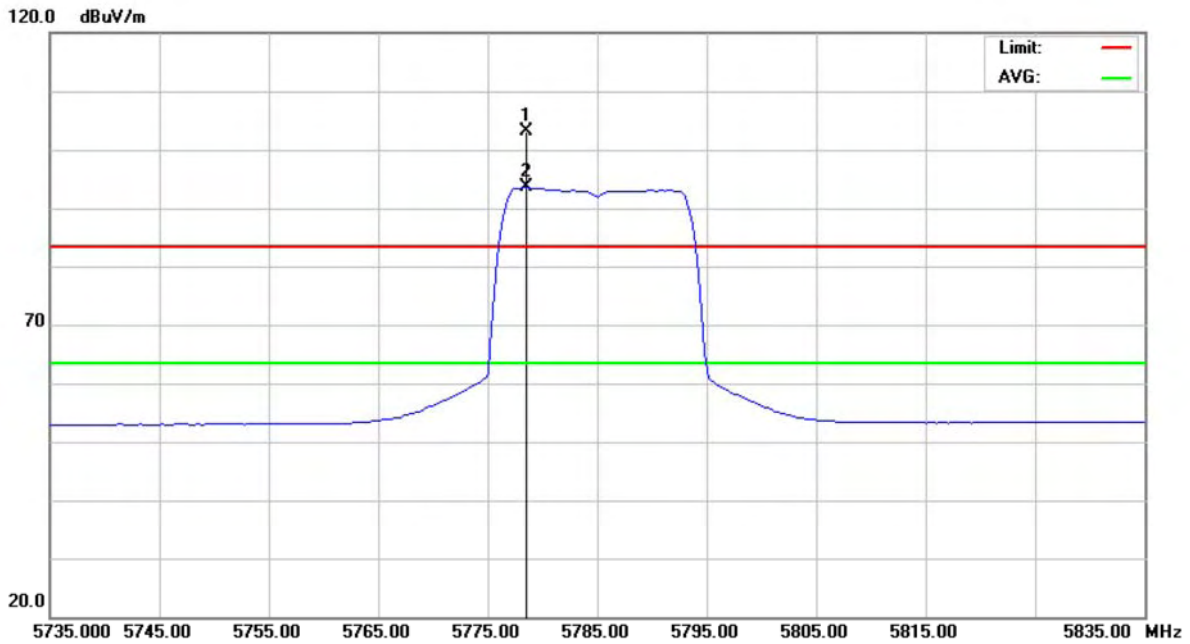


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		3328.500	54.92	2.28	57.20	83.50	-26.30	peak	
2		3328.500	35.92	2.28	38.20	63.50	-25.30	AVG	
3		11570.50	43.48	18.30	61.78	83.50	-21.72	peak	
4		11570.50	30.78	18.30	49.08	63.50	-14.42	AVG	
5		17354.25	43.82	26.11	69.93	83.50	-13.57	peak	
6	*	17354.25	31.36	26.11	57.47	63.50	-6.03	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 802.11a/5785 MHz		

Polarization: Horizontal

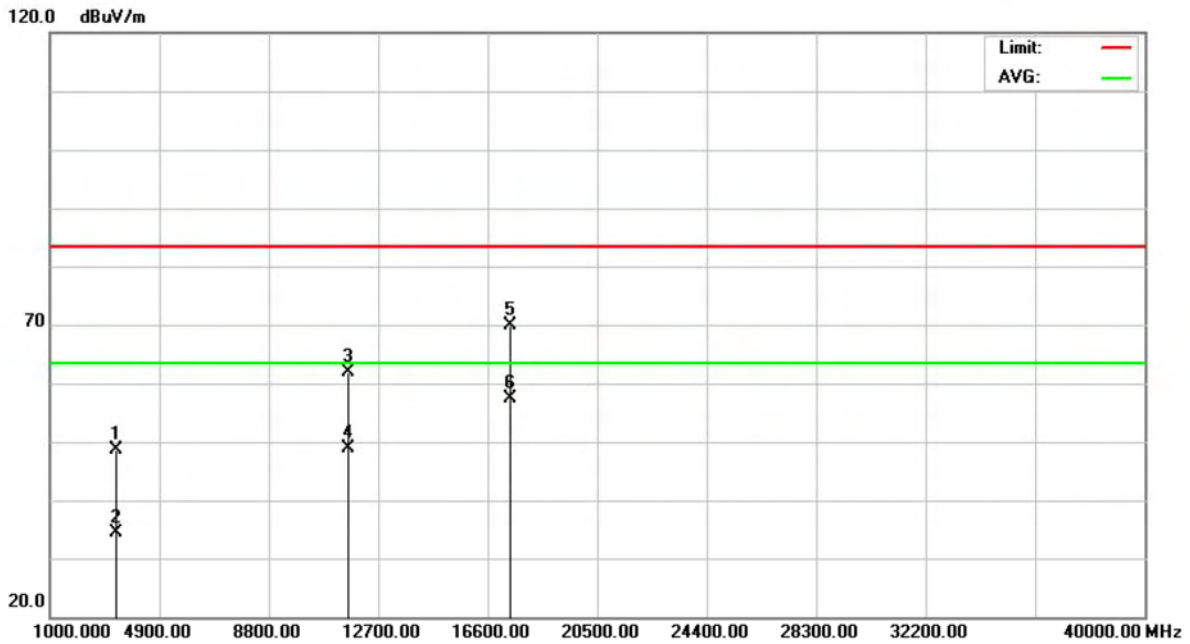


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	5778.500	63.29	39.78	103.07	83.50	19.57	peak	
2	*	5778.500	53.80	39.78	93.58	63.50	30.08	AVG	



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 802.11a/5785 MHz		

Polarization: Horizontal

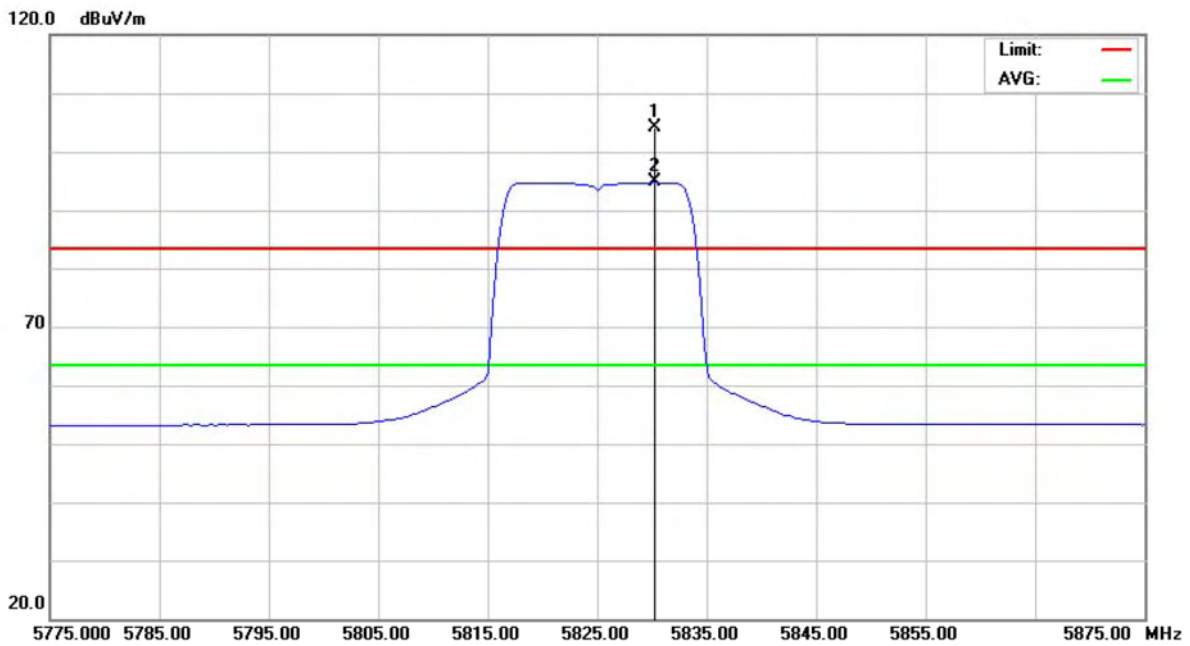


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	3328.250	46.44	2.28	48.72	83.50	-34.78	peak	
2	3328.250	32.01	2.28	34.29	63.50	-29.21	AVG	
3	11570.22	43.58	18.30	61.88	83.50	-21.62	peak	
4	11570.22	30.70	18.30	49.00	63.50	-14.50	AVG	
5	17354.60	43.73	26.11	69.84	83.50	-13.66	peak	
6 *	17354.60	31.33	26.11	57.44	63.50	-6.06	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 802.11a/5825 MHz		

Polarization: Vertical

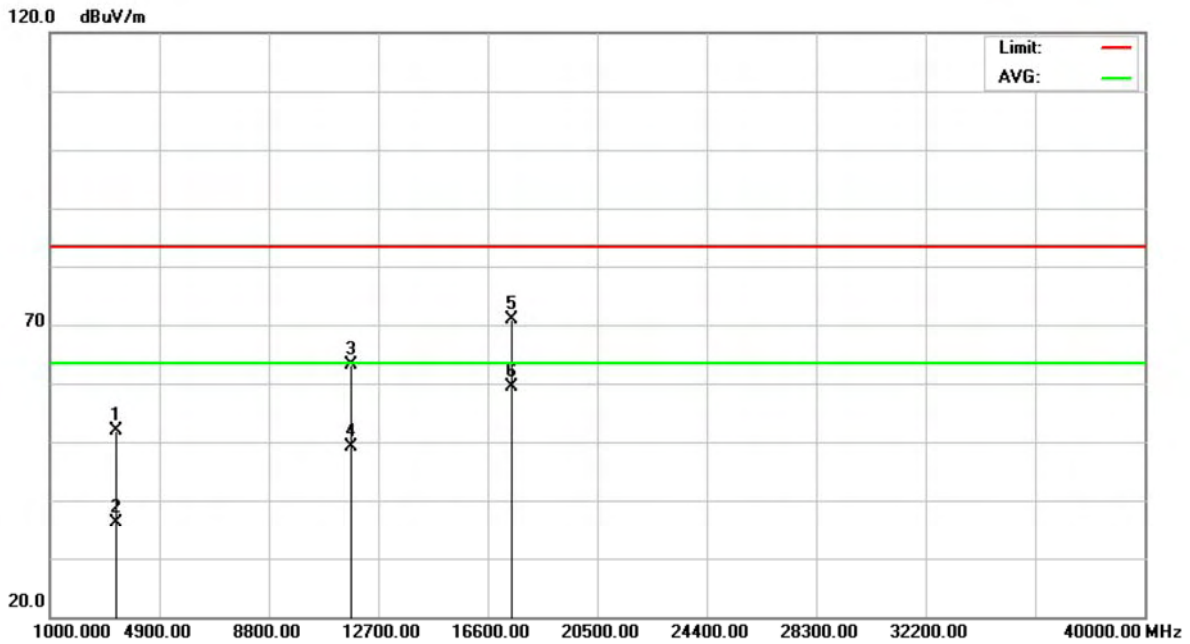


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	5830.250	64.17	39.91	104.08	83.50	20.58	peak	
2	*	5830.250	54.85	39.91	94.76	63.50	31.26	AVG	



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 802.11a/5825 MHz		

Polarization: Vertical

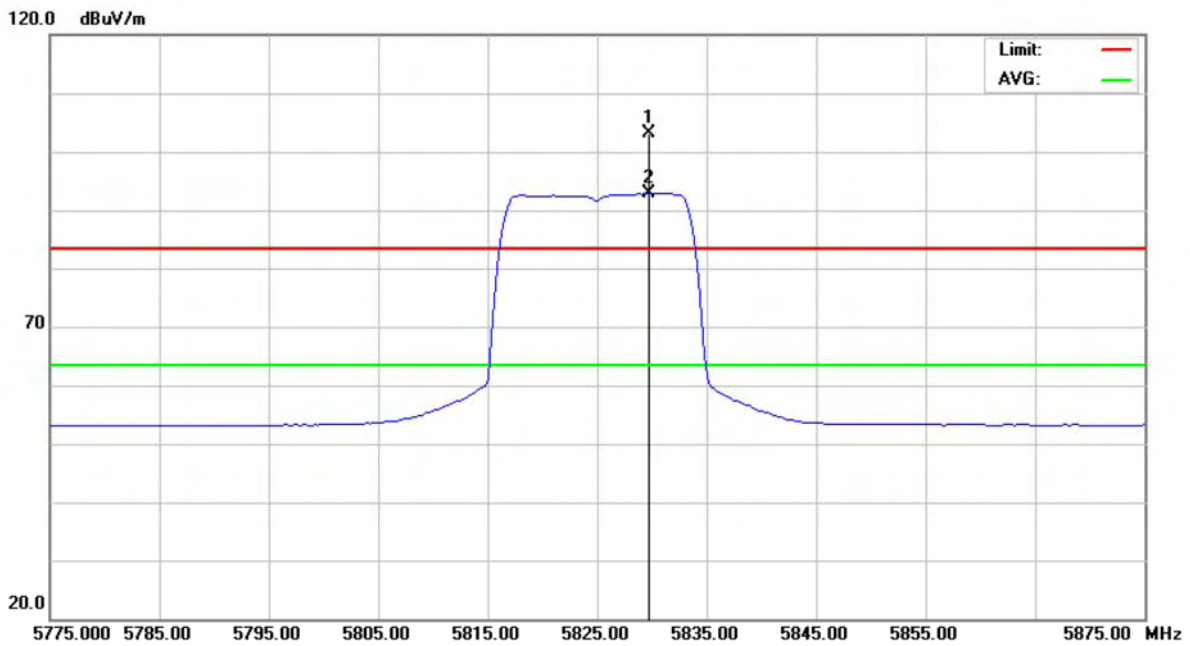


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		3328.500	49.72	2.28	52.00	83.50	-31.50	peak	
2		3328.500	33.79	2.28	36.07	63.50	-27.43	AVG	
3		11650.02	44.78	18.32	63.10	83.50	-20.40	peak	
4		11650.02	30.92	18.32	49.24	63.50	-14.26	AVG	
5		17472.69	43.87	26.94	70.81	83.50	-12.69	peak	
6	*	17472.69	32.33	26.94	59.27	63.50	-4.23	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 802.11a/5825 MHz		

Polarization: Horizontal

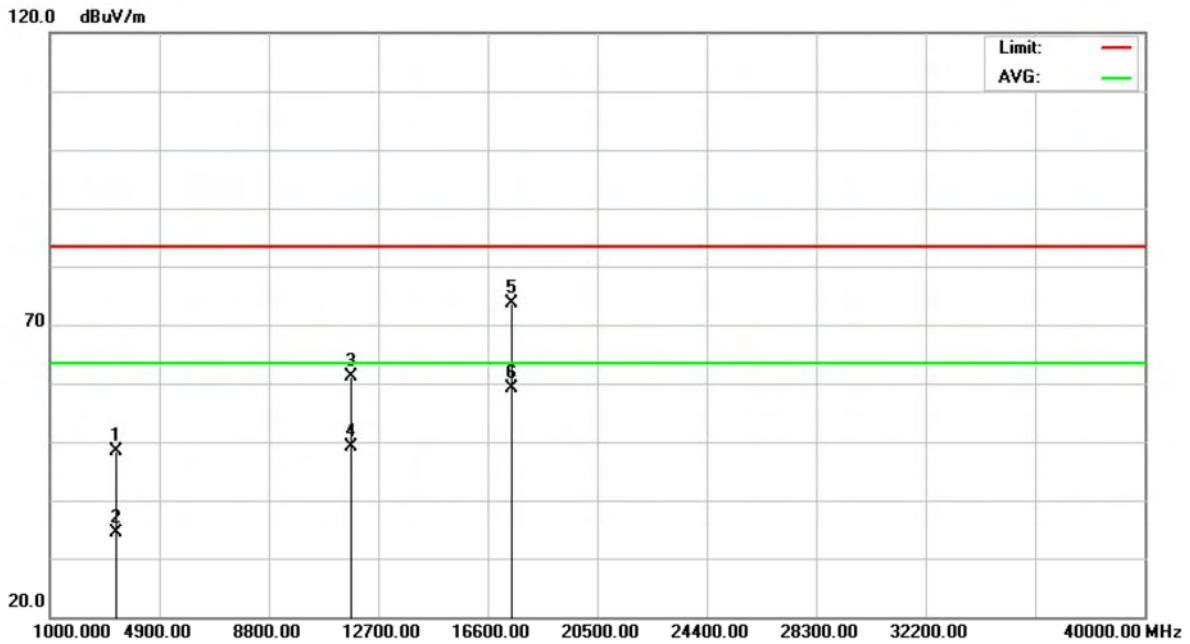


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	5829.750	63.16	39.91	103.07	83.50	19.57	peak	
2	*	5829.750	52.91	39.91	92.82	63.50	29.32	AVG	



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 802.11a/5825 MHz		

Polarization: Horizontal

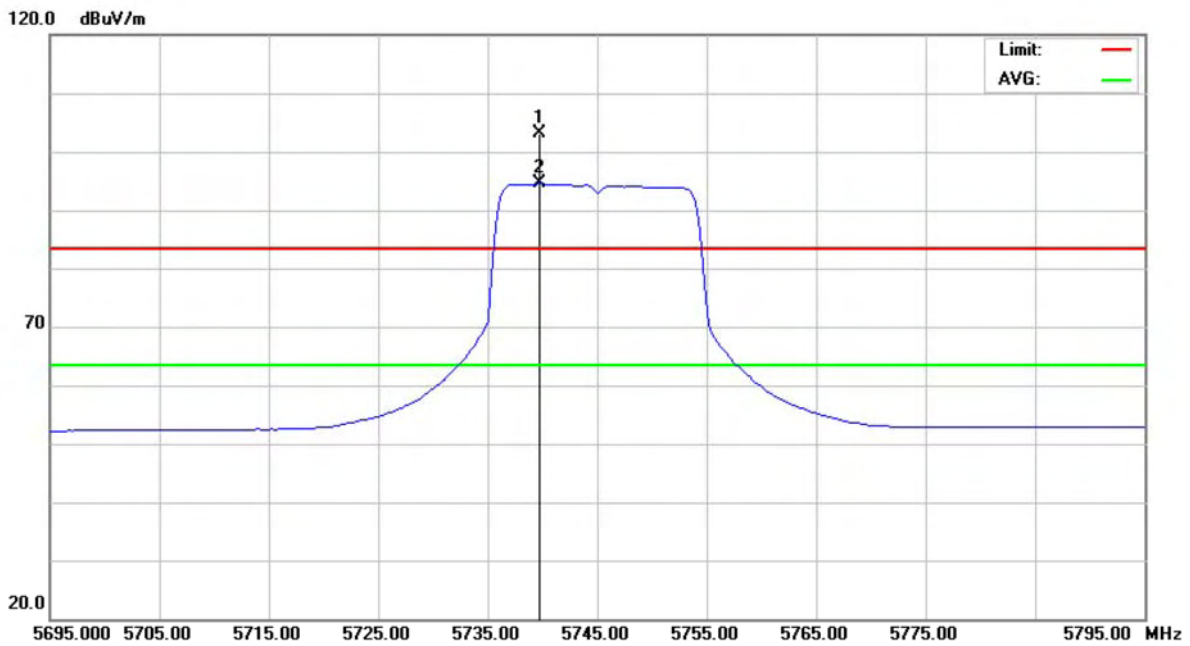


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		3328.375	46.16	2.28	48.44	83.50	-35.06	peak	
2		3328.375	32.12	2.28	34.40	63.50	-29.10	AVG	
3		11649.70	42.84	18.32	61.16	83.50	-22.34	peak	
4		11649.70	30.88	18.32	49.20	63.50	-14.30	AVG	
5		17473.07	46.60	26.94	73.54	83.50	-9.96	peak	
6	*	17473.07	32.24	26.94	59.18	63.50	-4.32	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)/5745 MHz		

Polarization: Vertical

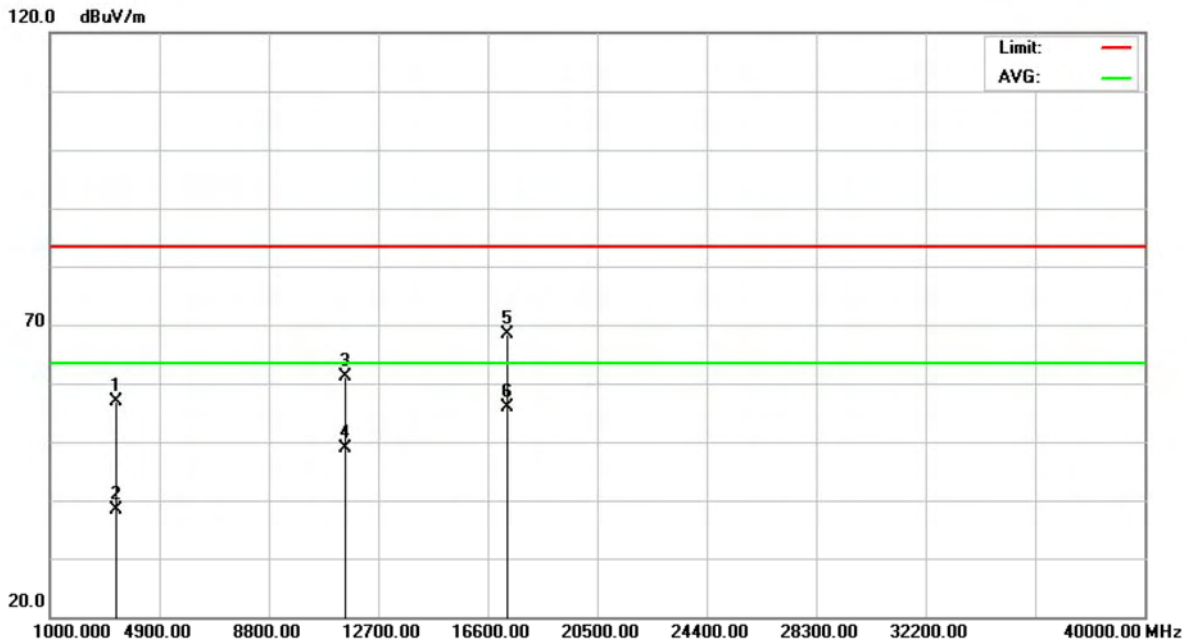


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	5739.750	63.52	39.69	103.21	83.50	19.71	peak	
2	*	5739.750	54.85	39.69	94.54	63.50	31.04	AVG	



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)/5745 MHz		

Polarization: Vertical

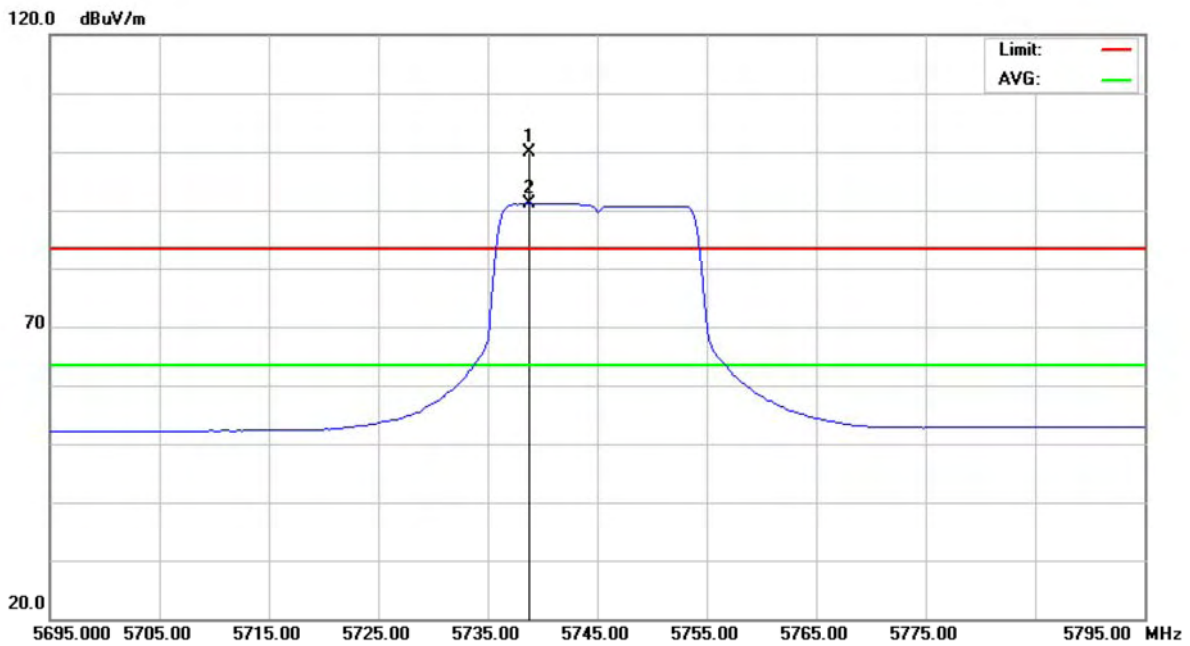


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		3328.087	54.54	2.28	56.82	83.50	-26.68	peak	
2		3328.087	36.18	2.28	38.46	63.50	-25.04	AVG	
3		11489.18	42.86	18.29	61.15	83.50	-22.35	peak	
4		11489.18	30.50	18.29	48.79	63.50	-14.71	AVG	
5		17235.17	43.06	25.28	68.34	83.50	-15.16	peak	
6	*	17235.17	30.60	25.28	55.88	63.50	-7.62	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)/5745 MHz		

Polarization: Horizontal

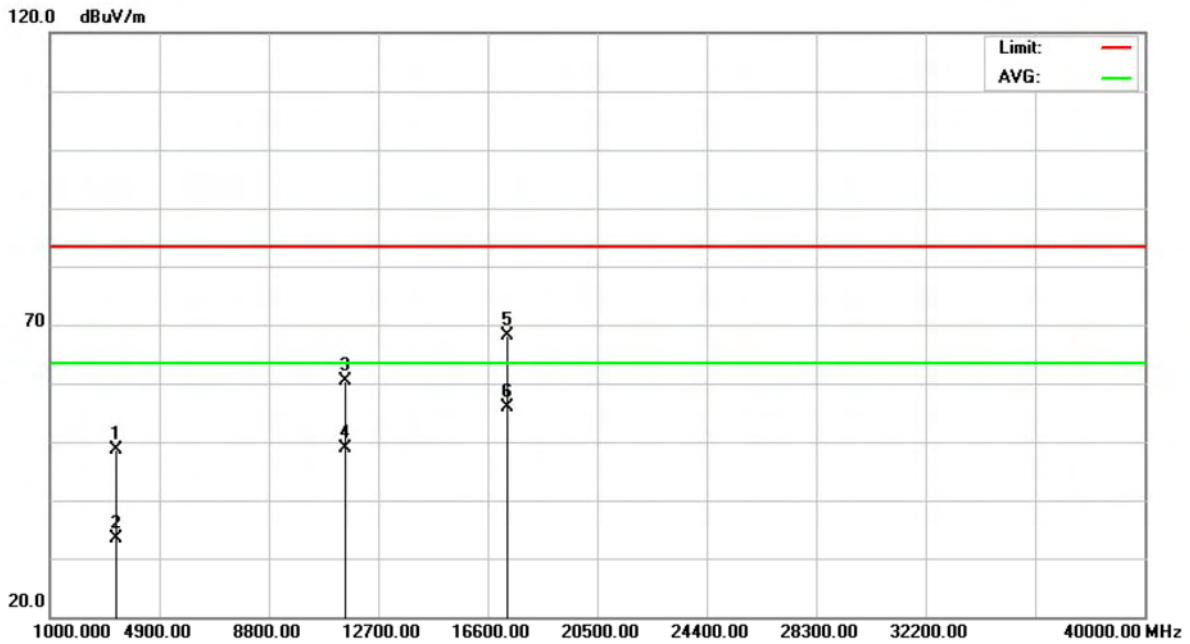


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	5738.750	60.28	39.69	99.97	83.50	16.47	peak	
2	*	5738.750	51.55	39.69	91.24	63.50	27.74	AVG	



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 (20 MHz)/5745 MHz		

Polarization: Horizontal

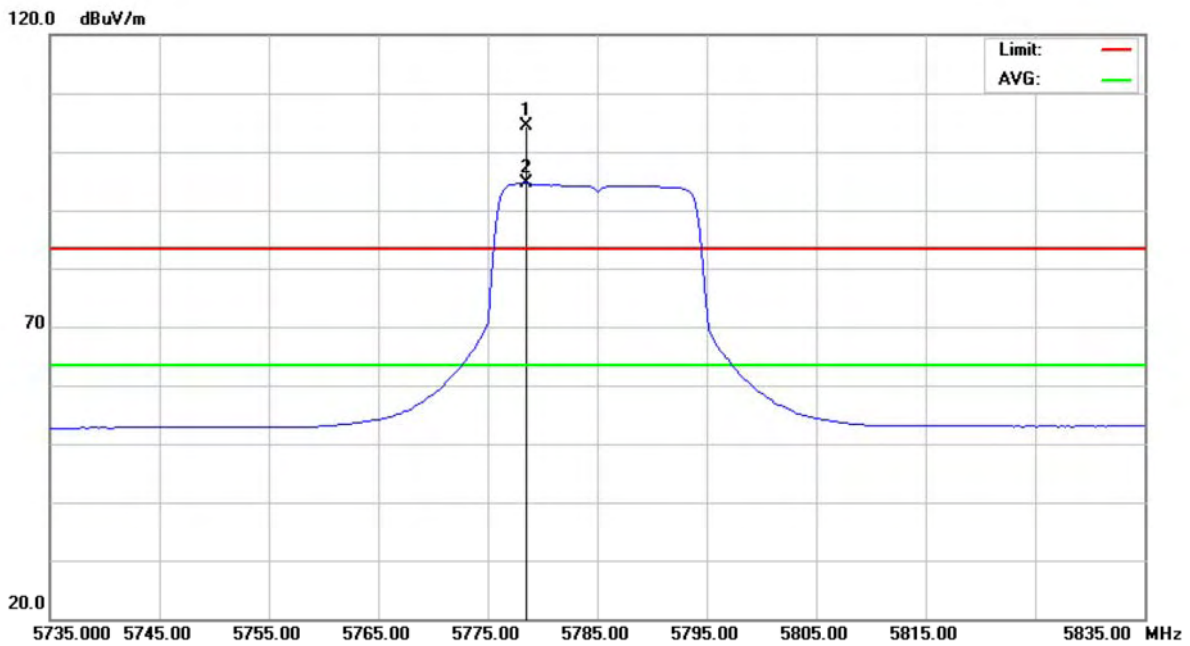


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		3328.188	46.25	2.28	48.53	83.50	-34.97	peak	
2		3328.188	31.18	2.28	33.46	63.50	-30.04	AVG	
3		11490.27	42.05	18.29	60.34	83.50	-23.16	peak	
4		11490.27	30.47	18.29	48.76	63.50	-14.74	AVG	
5		17235.26	42.78	25.28	68.06	83.50	-15.44	peak	
6	*	17235.26	30.68	25.28	55.96	63.50	-7.54	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)/5785 MHz		

Polarization: Vertical

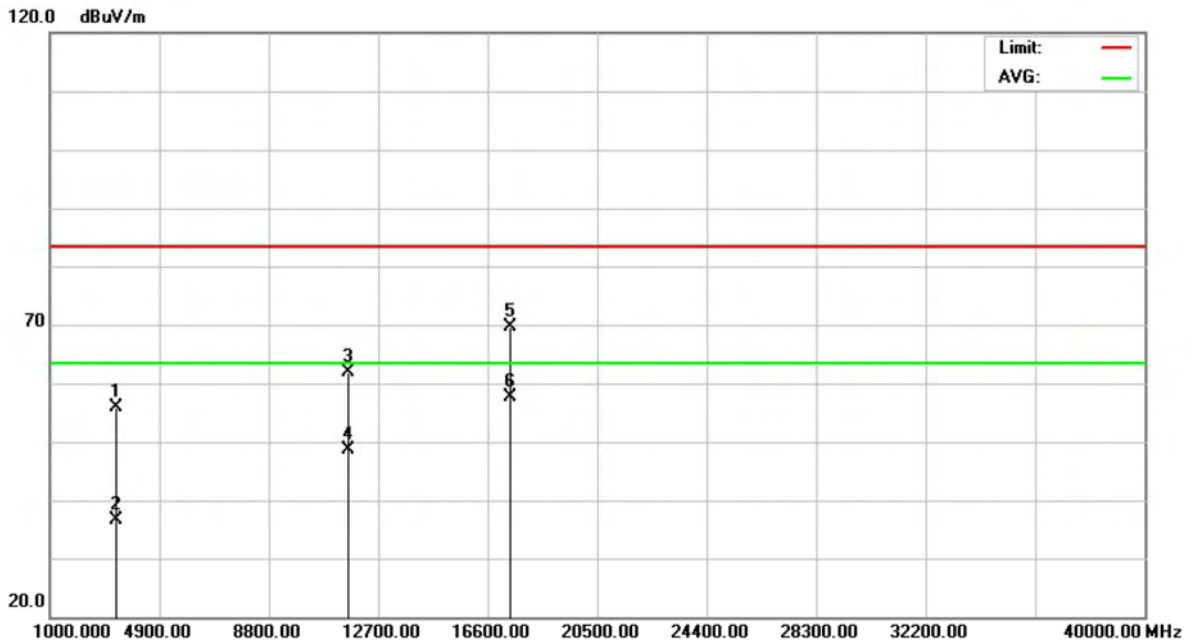


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	5778.500	64.71	39.78	104.49	83.50	20.99	peak	
2	*	5778.500	54.78	39.78	94.56	63.50	31.06	AVG	



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)/5785 MHz		

Polarization: Vertical

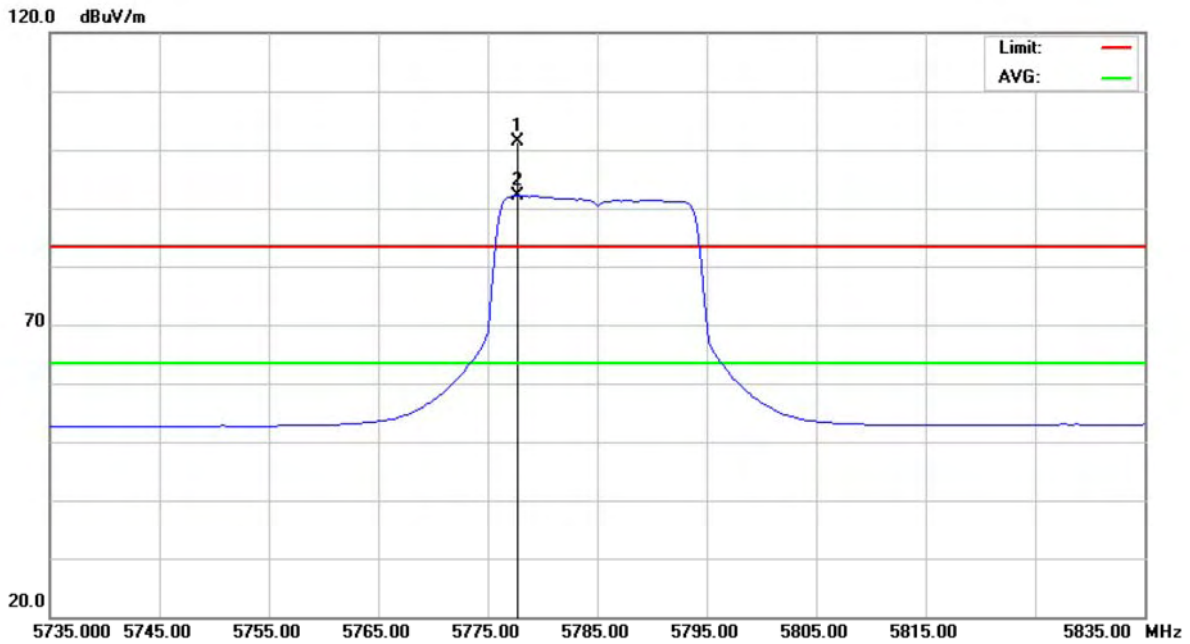


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		3327.825	53.55	2.28	55.83	83.50	-27.67	peak	
2		3327.825	34.45	2.28	36.73	63.50	-26.77	AVG	
3		11570.22	43.69	18.30	61.99	83.50	-21.51	peak	
4		11570.22	30.45	18.30	48.75	63.50	-14.75	AVG	
5		17355.25	43.47	26.12	69.59	83.50	-13.91	peak	
6	*	17355.25	31.42	26.12	57.54	63.50	-5.96	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)/5785 MHz		

Polarization: Horizontal

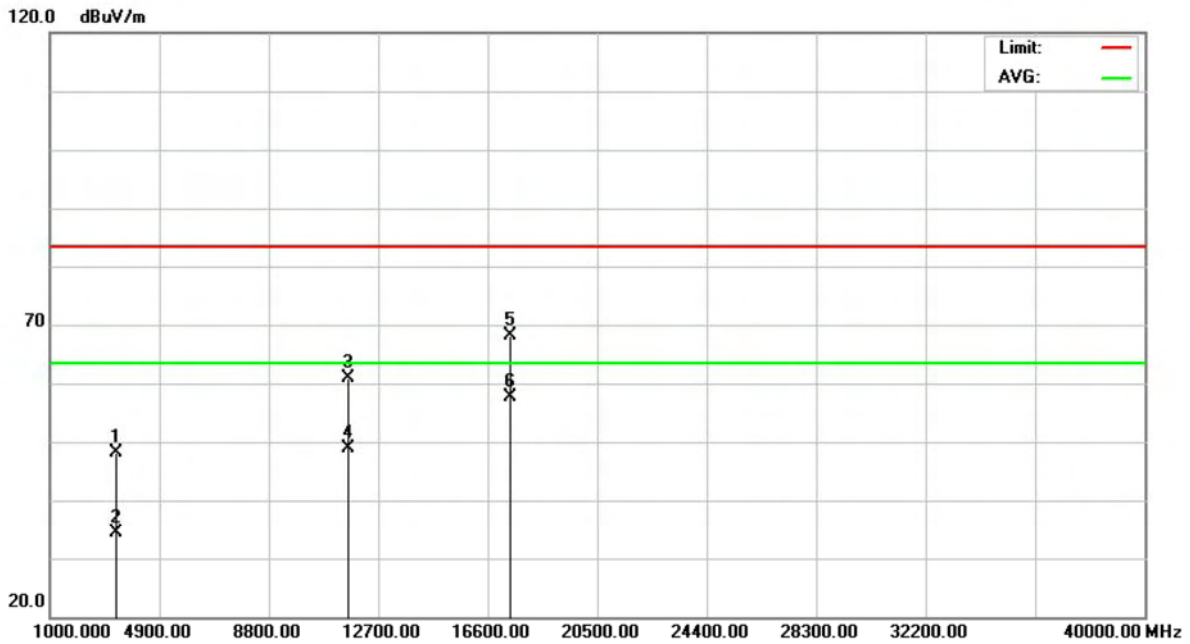


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	5777.750	61.64	39.78	101.42	83.50	17.92	peak	
2	*	5777.750	52.37	39.78	92.15	63.50	28.65	AVG	



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)/5785 MHz		

Polarization: Horizontal

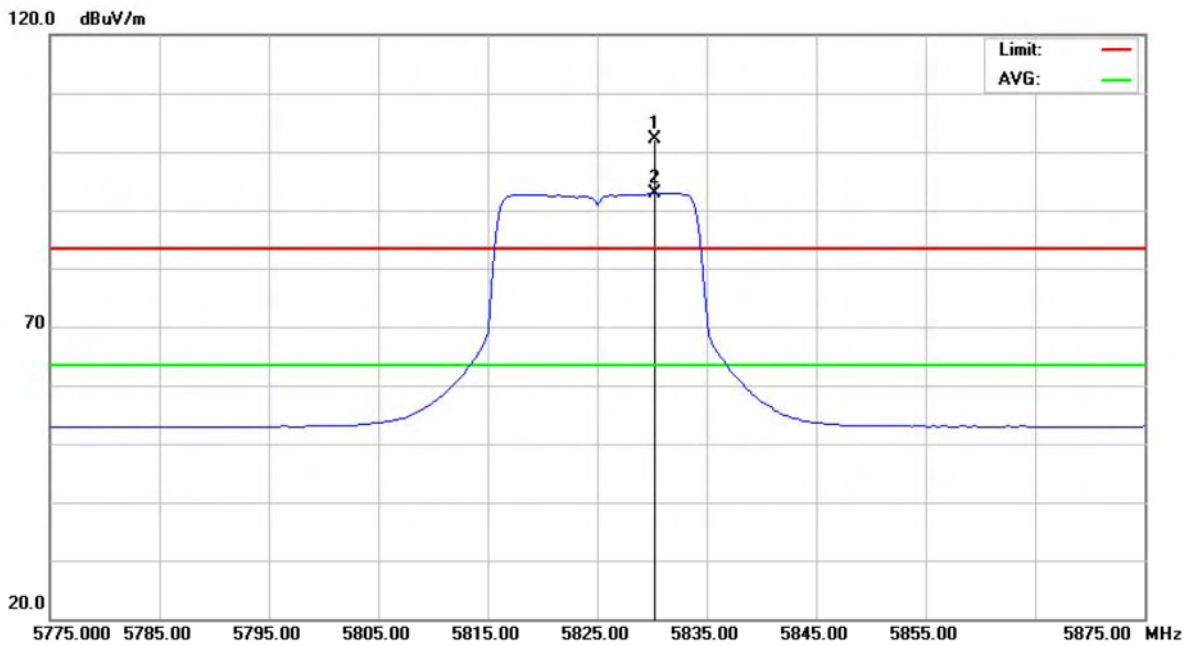


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		3327.900	45.82	2.28	48.10	83.50	-35.40	peak	
2		3327.900	32.21	2.28	34.49	63.50	-29.01	AVG	
3		11570.01	42.48	18.30	60.78	83.50	-22.72	peak	
4		11570.01	30.49	18.30	48.79	63.50	-14.71	AVG	
5		17355.76	42.07	26.12	68.19	83.50	-15.31	peak	
6	*	17355.76	31.48	26.12	57.60	63.50	-5.90	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)/5825 MHz		

Polarization: Vertical

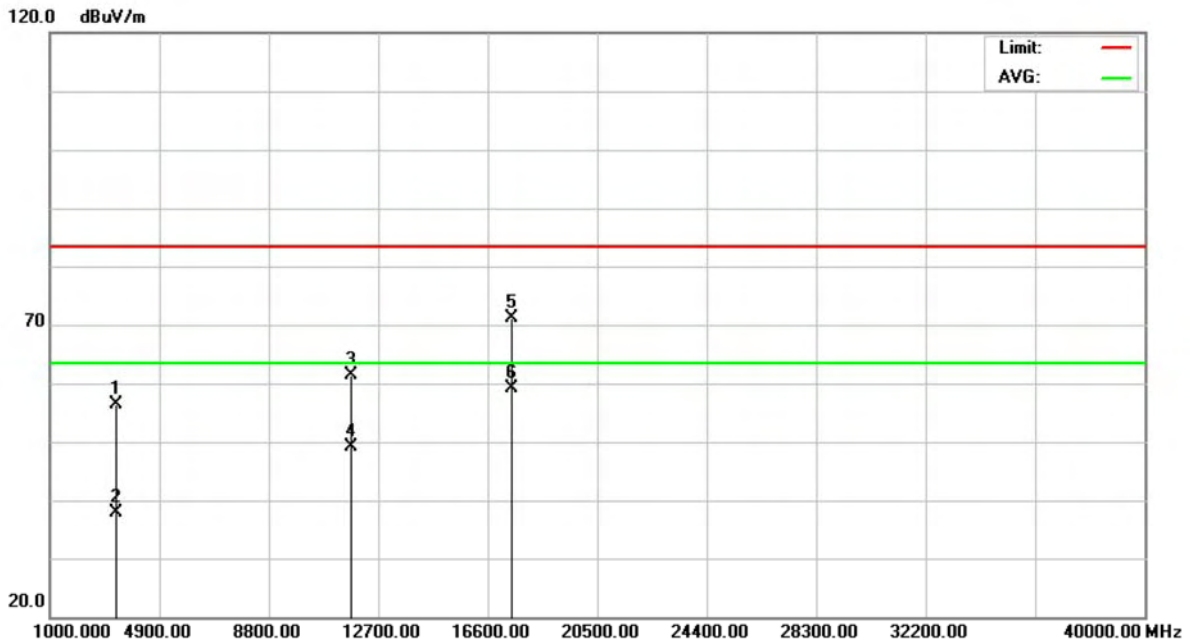


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	5830.250	62.21	39.91	102.12	83.50	18.62	peak	
2	*	5830.250	52.96	39.91	92.87	63.50	29.37	AVG	



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)/5825 MHz		

Polarization: Vertical

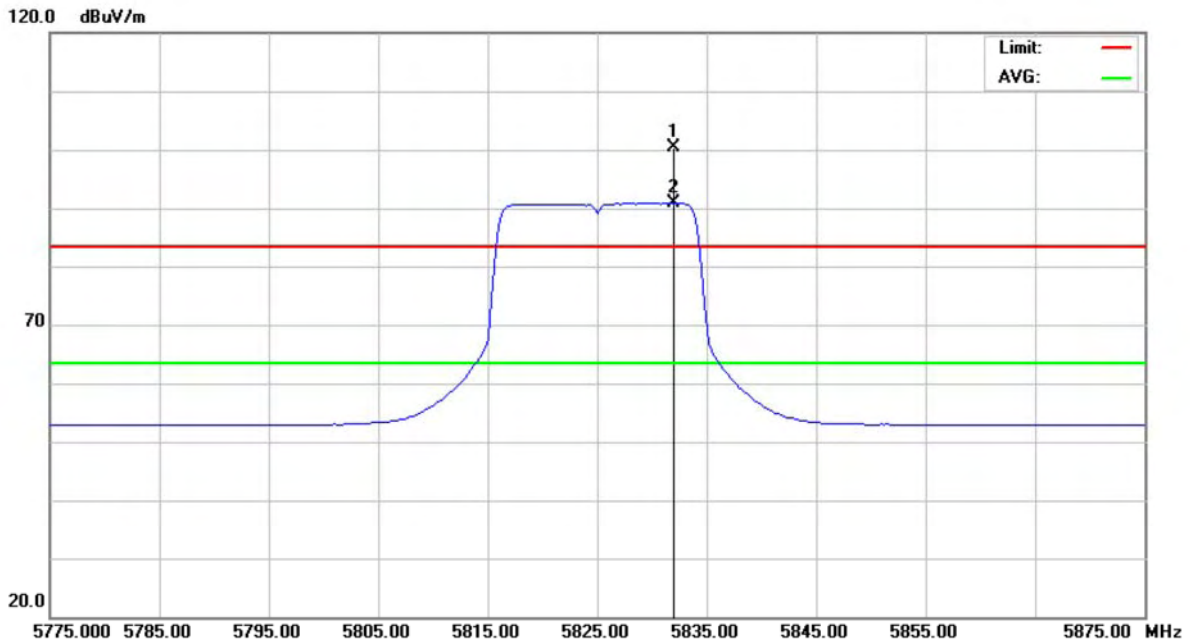


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		3327.875	54.15	2.28	56.43	83.50	-27.07	peak	
2		3327.875	35.57	2.28	37.85	63.50	-25.65	AVG	
3		11650.02	43.18	18.32	61.50	83.50	-22.00	peak	
4		11650.02	30.77	18.32	49.09	63.50	-14.41	AVG	
5		17474.80	44.20	26.95	71.15	83.50	-12.35	peak	
6	*	17474.80	32.10	26.95	59.05	63.50	-4.45	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 802.11n (20 MHz)/5825 MHz		

Polarization: Horizontal

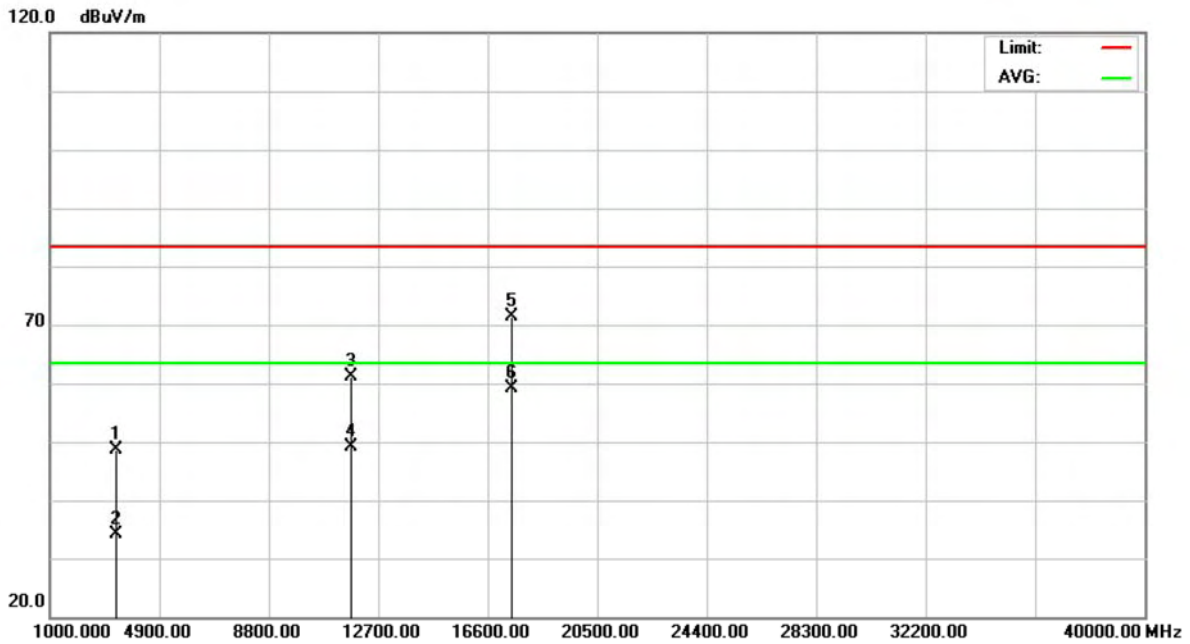


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	5832.000	60.49	39.91	100.40	83.50	16.90	peak	
2	*	5832.000	51.03	39.91	90.94	63.50	27.44	AVG	



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)/5825 MHz		

Polarization: Horizontal

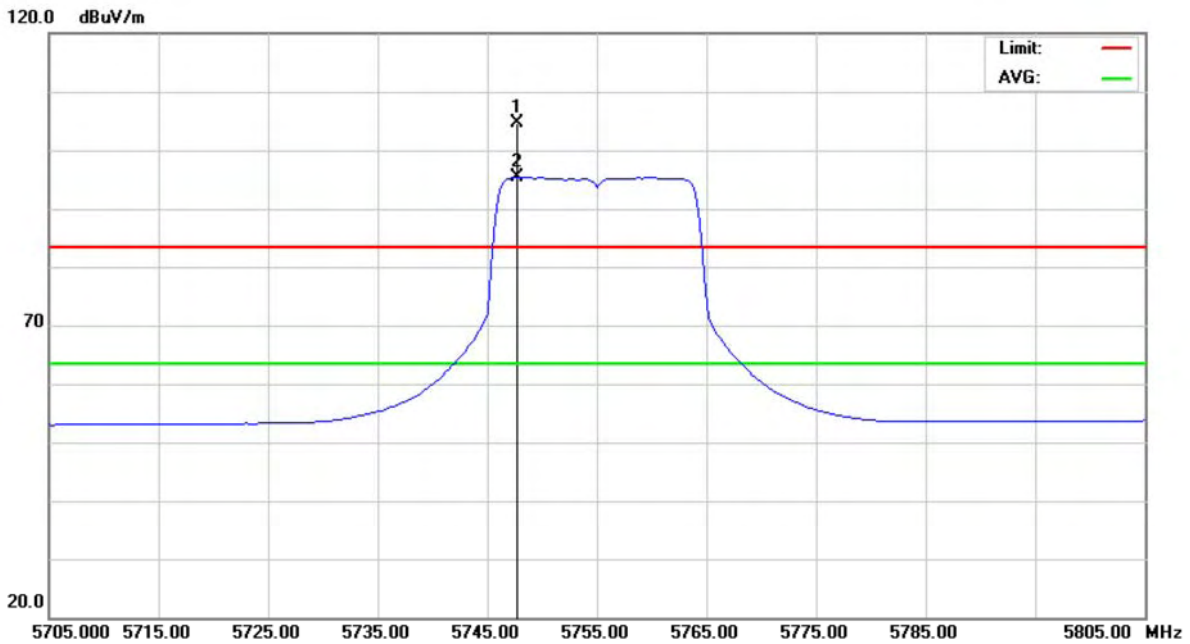


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	3328.337	46.35	2.28	48.63	83.50	-34.87	peak	
2	3328.337	31.77	2.28	34.05	63.50	-29.45	AVG	
3	11650.26	42.80	18.32	61.12	83.50	-22.38	peak	
4	11650.26	30.70	18.32	49.02	63.50	-14.48	AVG	
5	17474.78	44.47	26.95	71.42	83.50	-12.08	peak	
6 *	17474.78	32.13	26.95	59.08	63.50	-4.42	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 802.11n (40 MHz)/5755 MHz		

Polarization: Vertical

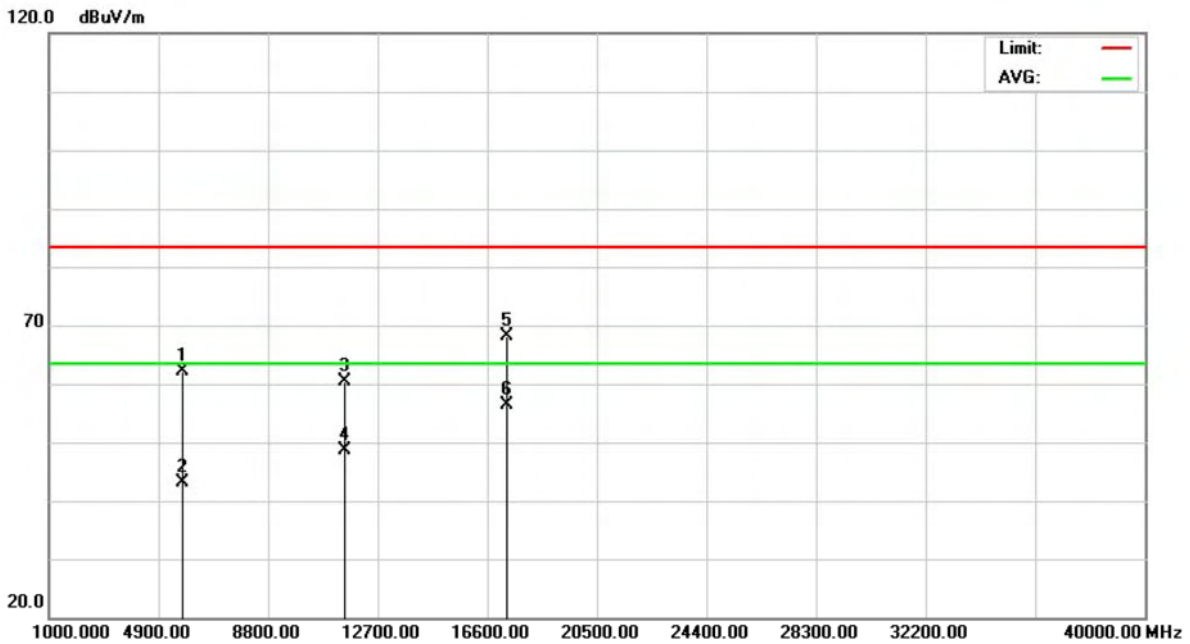


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	5747.750	64.36	40.36	104.72	83.50	21.22	peak	
2	*	5747.750	54.98	40.36	95.34	63.50	31.84	AVG	



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)/5755 MHz		

Polarization: Vertical

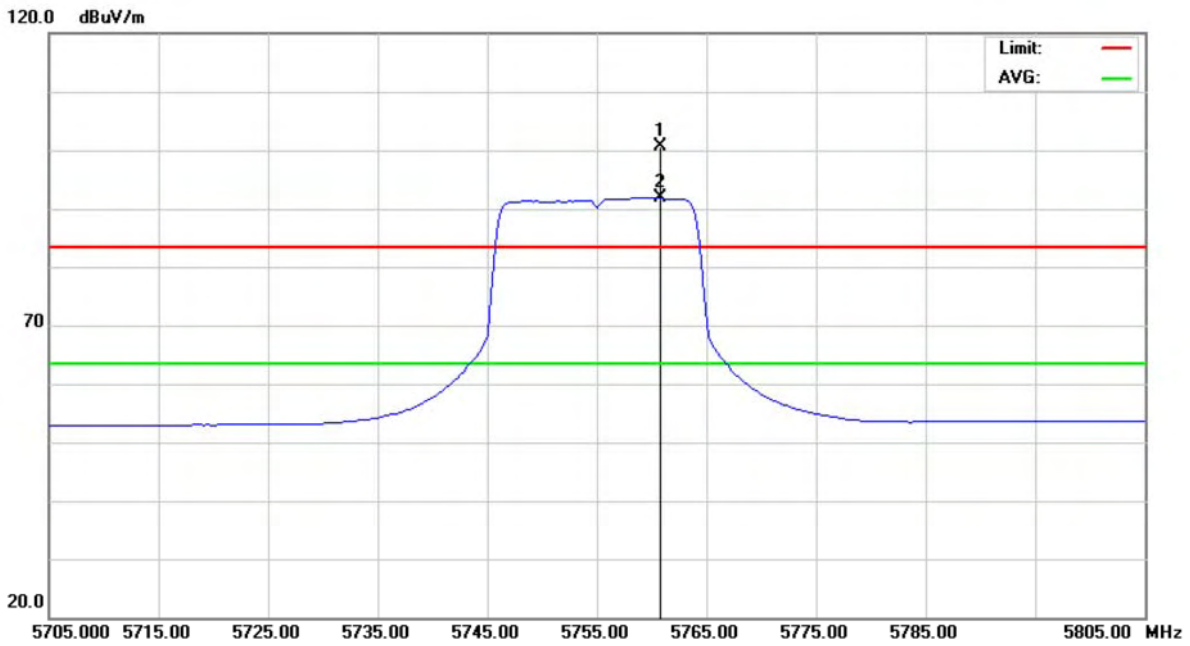


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5754.717	53.55	8.53	62.08	83.50	-21.42	peak	
2		5754.717	34.54	8.53	43.07	63.50	-20.43	AVG	
3		11510.07	41.98	18.28	60.26	83.50	-23.24	peak	
4		11510.07	30.34	18.28	48.62	63.50	-14.88	AVG	
5		17265.31	42.58	25.49	68.07	83.50	-15.43	peak	
6	*	17265.31	30.99	25.49	56.48	63.50	-7.02	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)/5755 MHz		

Polarization: Horizontal

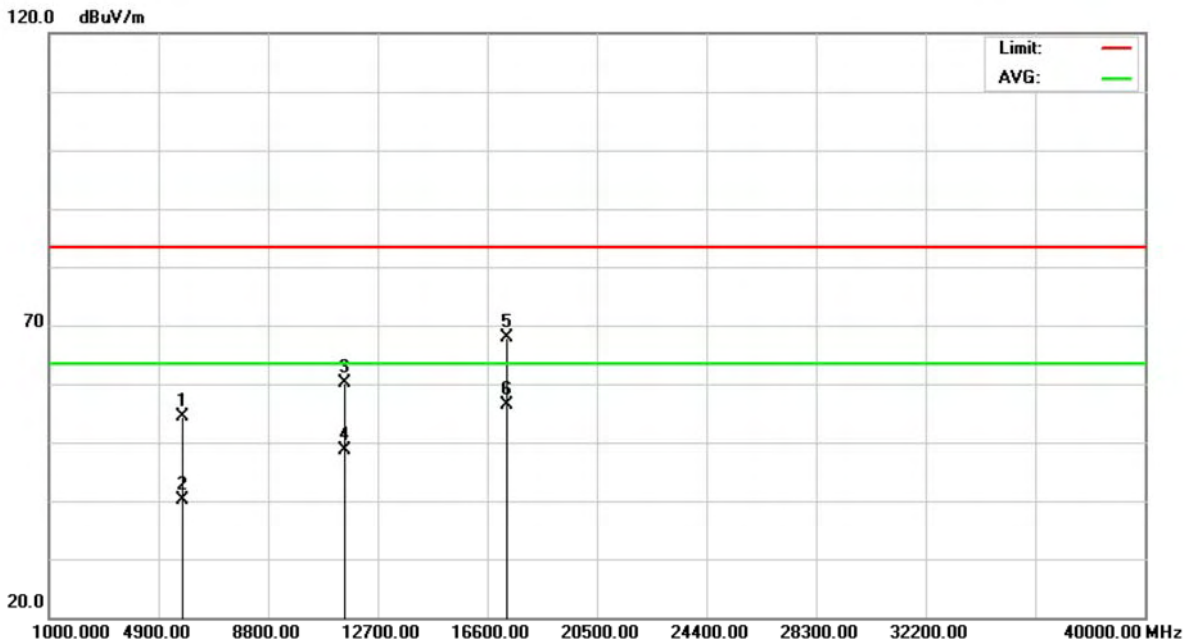


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	5760.750	60.14	40.40	100.54	83.50	17.04	peak	
2	*	5760.750	51.44	40.40	91.84	63.50	28.34	AVG	



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)/5755 MHz		

Polarization: Horizontal

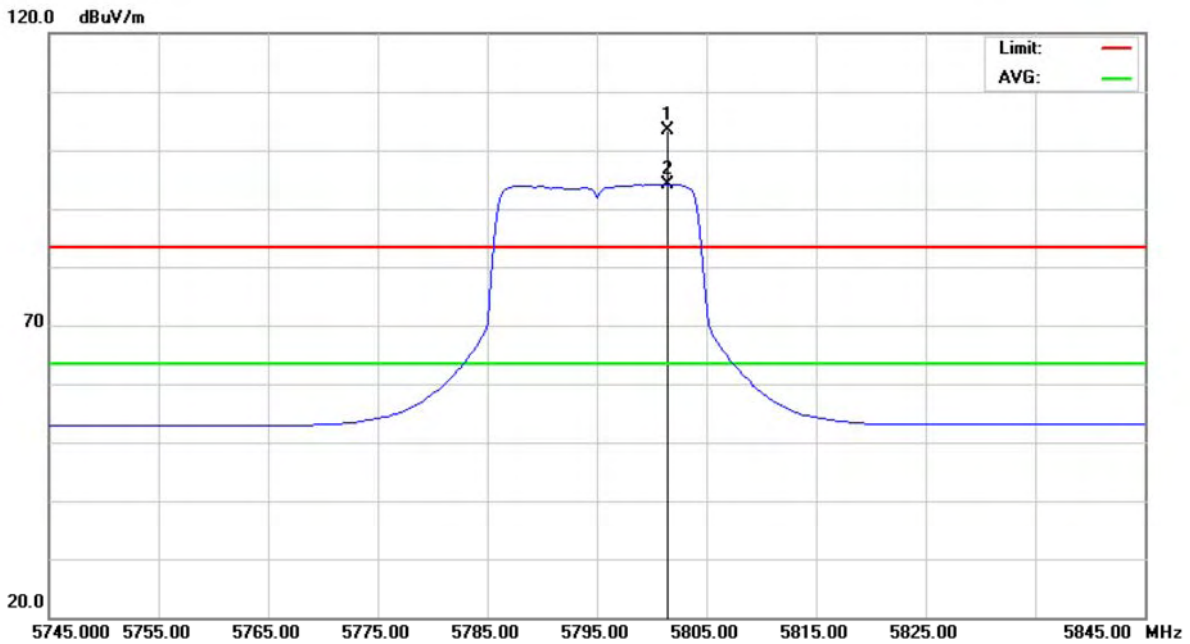


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5755.033	45.85	8.53	54.38	83.50	-29.12	peak	
2		5755.033	31.59	8.53	40.12	63.50	-23.38	AVG	
3		11509.68	41.81	18.28	60.09	83.50	-23.41	peak	
4		11509.68	30.40	18.28	48.68	63.50	-14.82	AVG	
5		17264.86	42.30	25.49	67.79	83.50	-15.71	peak	
6	*	17264.86	31.01	25.49	56.50	63.50	-7.00	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 802.11n (40 MHz)/5795 MHz		

Polarization: Vertical

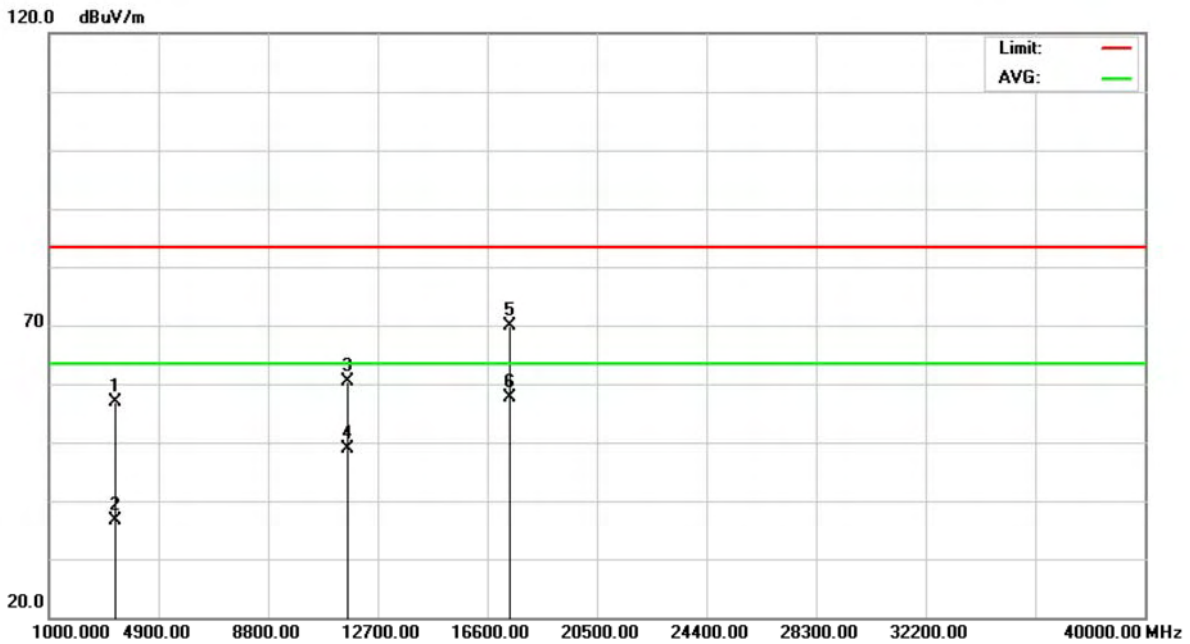


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	5801.500	63.50	39.84	103.34	83.50	19.84	peak	
2	*	5801.500	54.36	39.84	94.20	63.50	30.70	AVG	



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)/5795 MHz		

Polarization: Vertical

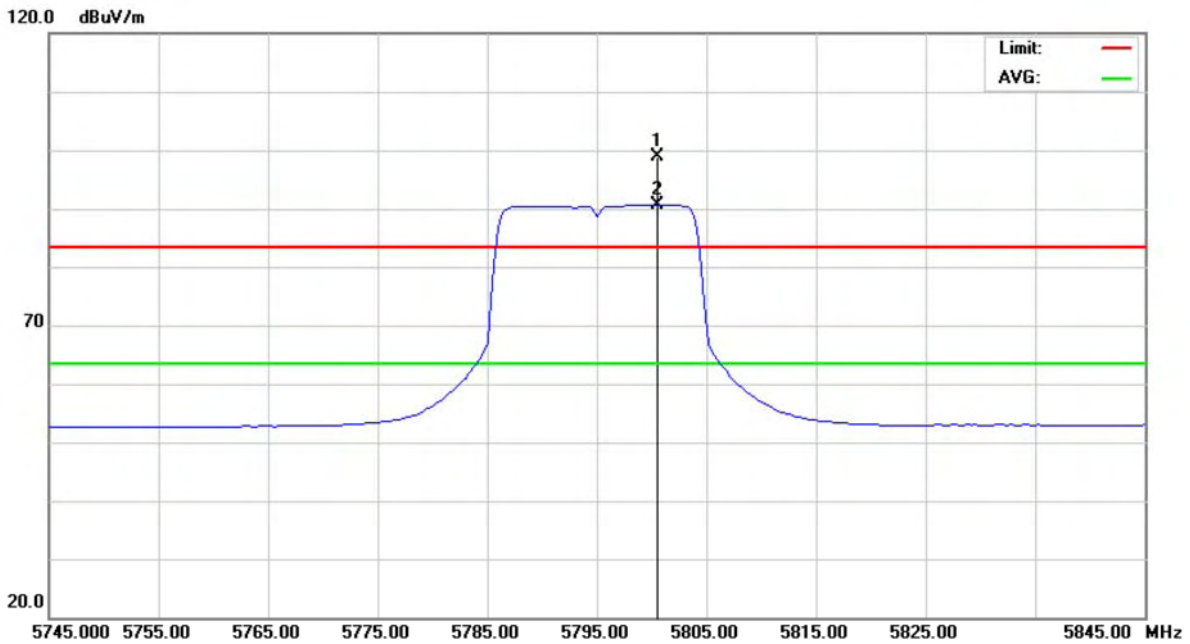


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		3327.962	54.55	2.28	56.83	83.50	-26.67	peak	
2		3327.962	34.45	2.28	36.73	63.50	-26.77	AVG	
3		11584.68	42.17	18.31	60.48	83.50	-23.02	peak	
4		11584.68	30.51	18.31	48.82	63.50	-14.68	AVG	
5		17379.98	43.58	26.29	69.87	83.50	-13.63	peak	
6	*	17379.98	31.25	26.29	57.54	63.50	-5.96	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 (40 MHz)/5795 MHz		

Polarization: Horizontal

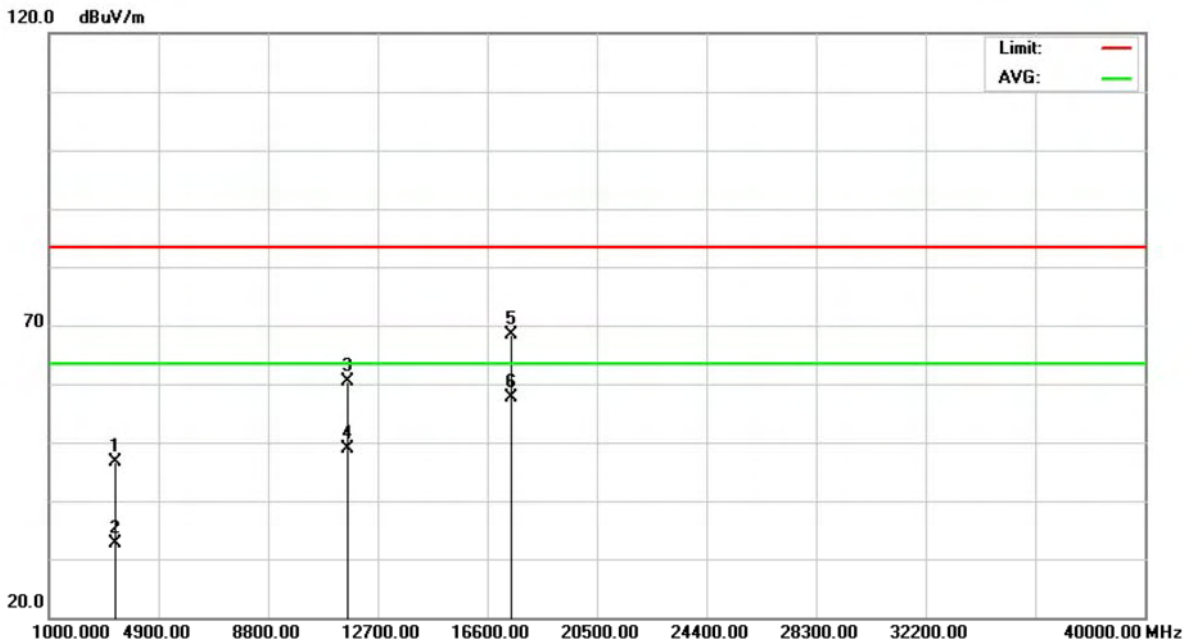


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	5800.500	58.92	39.84	98.76	83.50	15.26	peak	
2	*	5800.500	50.84	39.84	90.68	63.50	27.18	AVG	



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)/5795 MHz		

Polarization: Horizontal



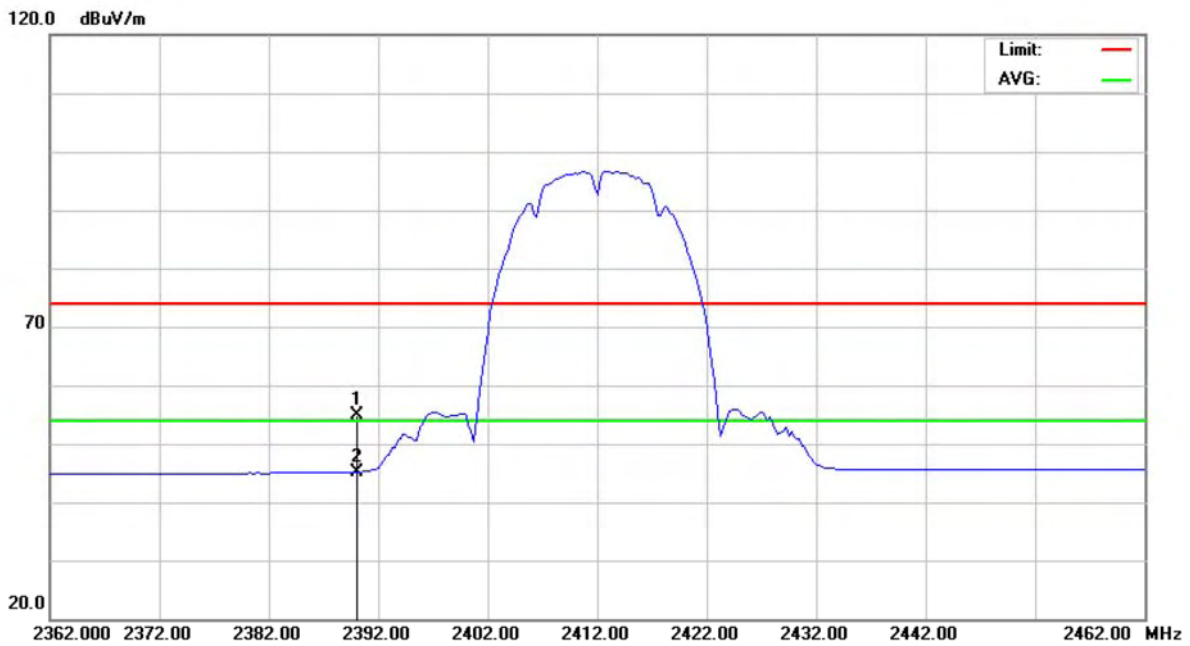
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		3328.363	44.40	2.28	46.68	83.50	-36.82	peak	
2		3328.363	30.47	2.28	32.75	63.50	-30.75	AVG	
3		11585.12	42.08	18.31	60.39	83.50	-23.11	peak	
4		11585.12	30.50	18.31	48.81	63.50	-14.69	AVG	
5		17380.17	42.18	26.29	68.47	83.50	-15.03	peak	
6	*	17380.17	31.36	26.29	57.65	63.50	-5.85	AVG	



9.10 TEST RESULTS (RESTRICTED BANDS)

E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	24°C	Relative Humidity	46%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11b		
NOTE	The transmitter was setup to transmit at the lowest channel and the field strength was measured at 2310-2390 MHz.		

Polarization: Vertical

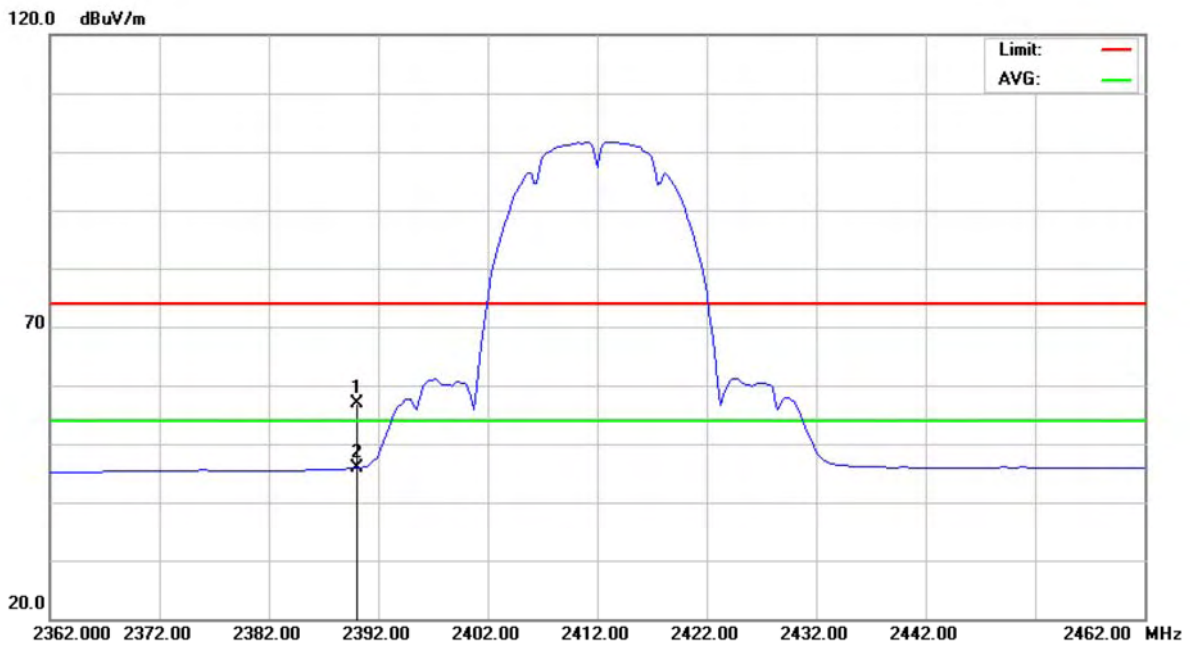


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2390.000	23.30	31.67	54.97	74.00	-19.03	peak	
2	*	2390.000	13.57	31.67	45.24	54.00	-8.76	AVG	



E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	24°C	Relative Humidity	46%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11b		
NOTE	The transmitter was setup to transmit at the lowest channel and the field strength was measured at 2310-2390 MHz.		

Polarization: Horizontal

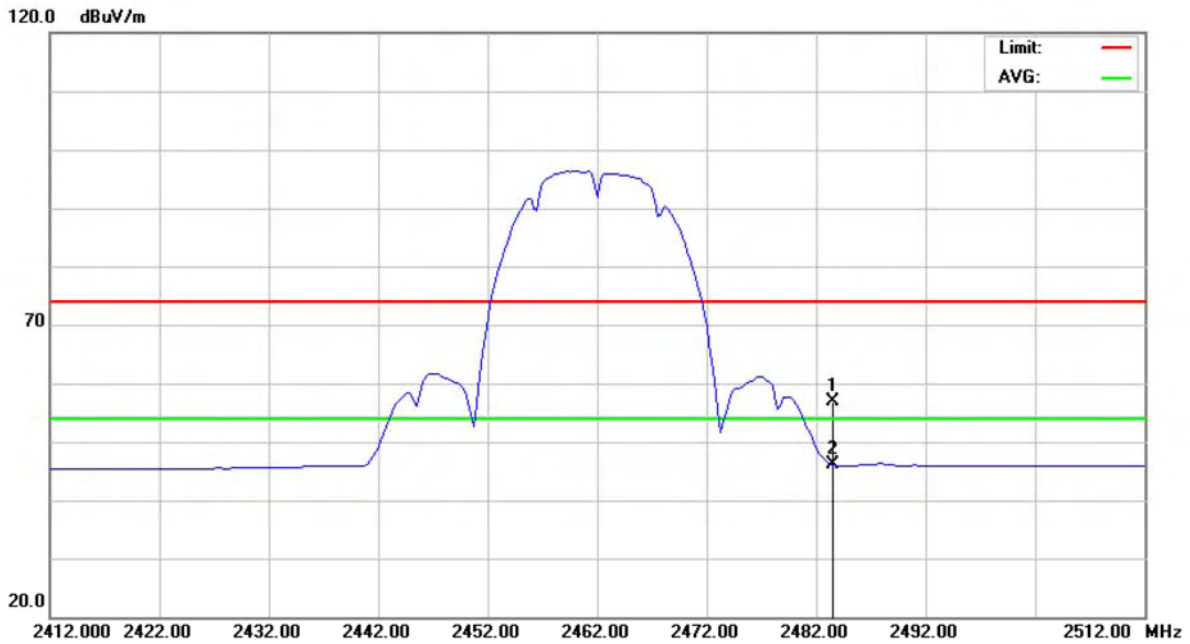


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2390.000	25.33	31.67	57.00	74.00	-17.00	peak	
2	*	2390.000	14.20	31.67	45.87	54.00	-8.13	AVG	



E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	24°C	Relative Humidity	46%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11b		
NOTE	The transmitter was setup to transmit at the highest channel and the field strength was measured at 2483.5-2500 MHz.		

Polarization: Vertical

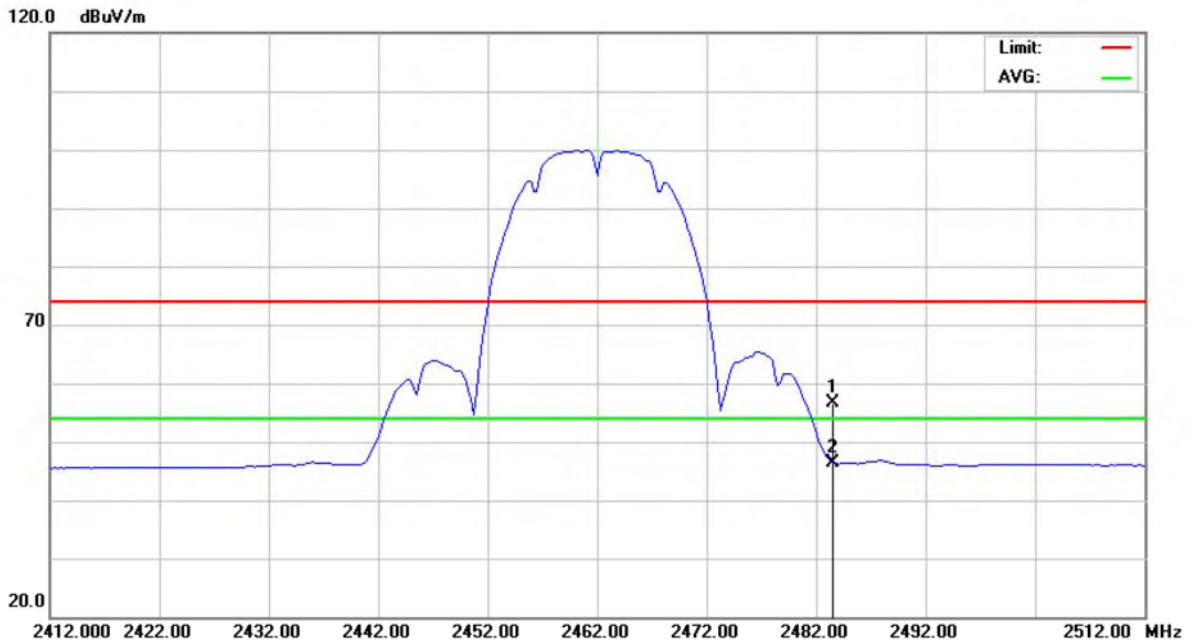


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2483.500	24.86	32.09	56.95	74.00	-17.05	peak	
2	*	2483.500	14.00	32.09	46.09	54.00	-7.91	AVG	



E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	24°C	Relative Humidity	46%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11b		
NOTE	The transmitter was setup to transmit at the highest channel and the field strength was measured at 2483.5-2500 MHz.		

Polarization: Horizontal

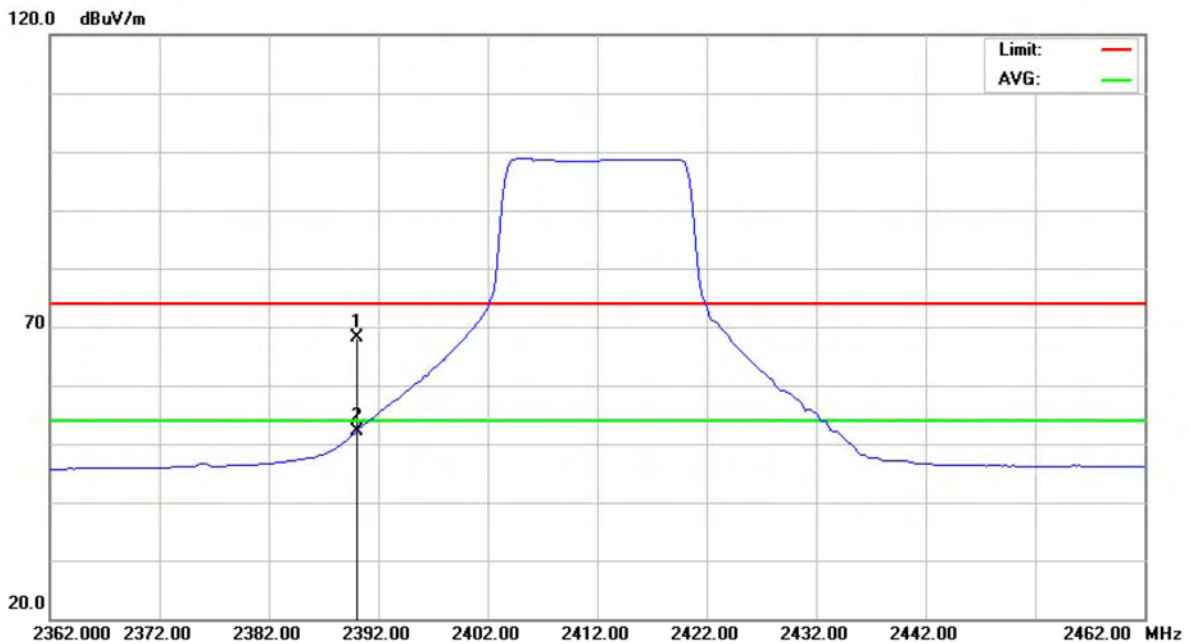


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2483.500	24.50	32.09	56.59	74.00	-17.41	peak	
2	*	2483.500	14.38	32.09	46.47	54.00	-7.53	AVG	



E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	24°C	Relative Humidity	46%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11g		
NOTE	The transmitter was setup to transmit at the lowest channel and the field strength was measured at 2310-2390 MHz.		

Polarization: Vertical

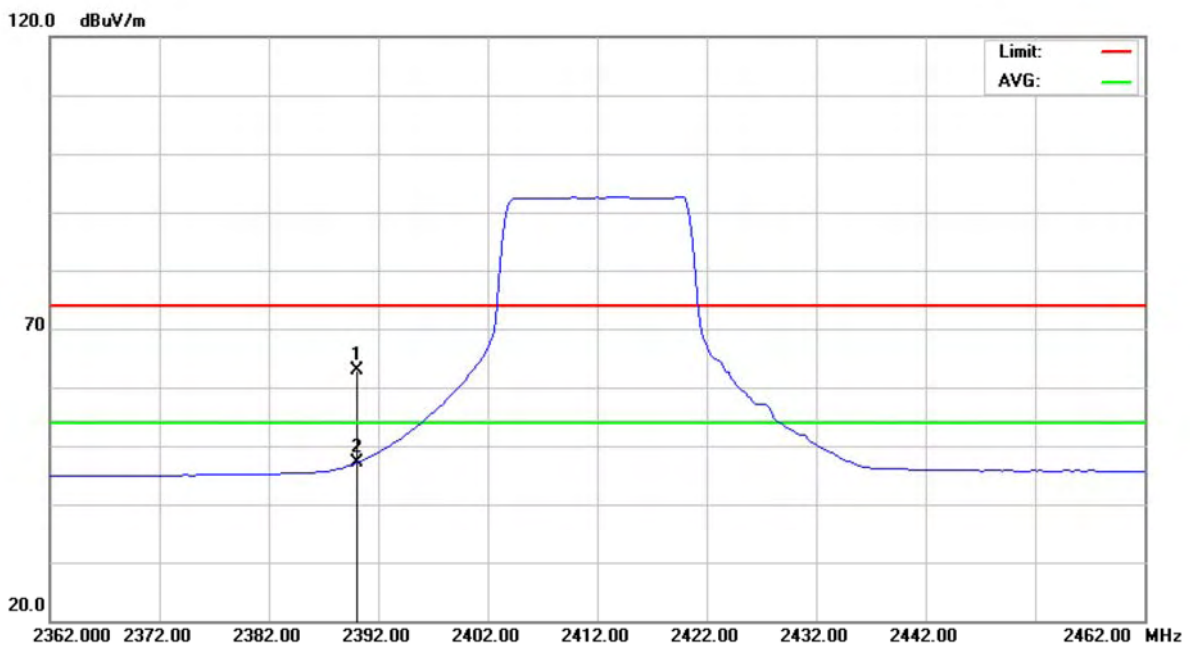


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2390.000	36.38	31.67	68.05	74.00	-5.95	peak	
2	*	2390.000	20.39	31.67	52.06	54.00	-1.94	AVG	



E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	24°C	Relative Humidity	46%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11g		
NOTE	The transmitter was setup to transmit at the lowest channel and the field strength was measured at 2310-2390 MHz.		

Polarization: Horizontal

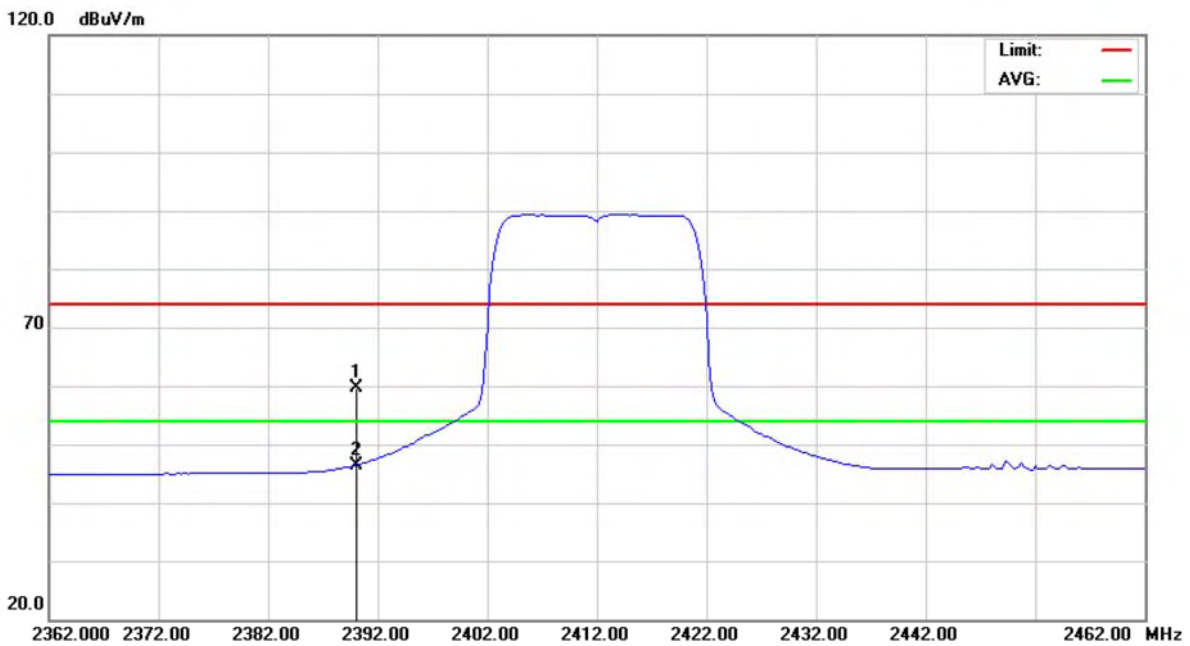


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2390.000	31.21	31.67	62.88	74.00	-11.12	peak	
2	*	2390.000	15.41	31.67	47.08	54.00	-6.92	AVG	



E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	24°C	Relative Humidity	46%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11g		
NOTE	The transmitter was setup to transmit at the highest channel and the field strength was measured at 2483.5-2500 MHz.		

Polarization: Vertical

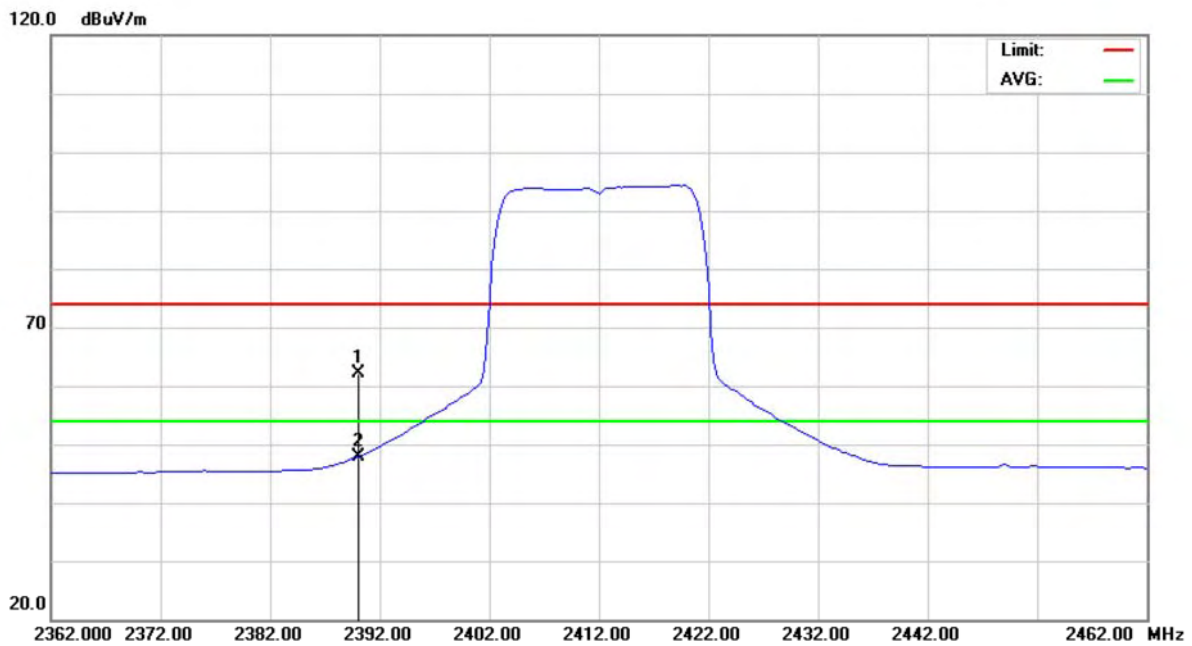


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2390.000	27.87	31.67	59.54	74.00	-14.46	peak	
2	*	2390.000	14.75	31.67	46.42	54.00	-7.58	AVG	



E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	24°C	Relative Humidity	46%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11g		
NOTE	The transmitter was setup to transmit at the highest channel and the field strength was measured at 2483.5-2500 MHz.		

Polarization: Horizontal

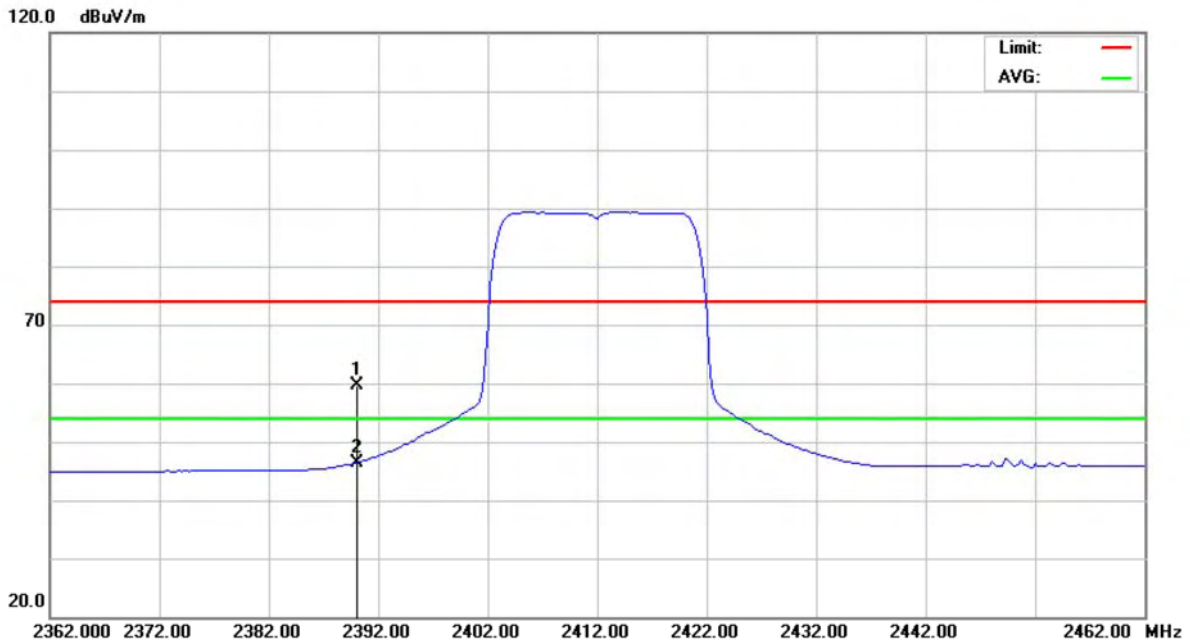


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	2390.000	30.51	31.67	62.18	74.00	-11.82	peak	
2 *	2390.000	16.21	31.67	47.88	54.00	-6.12	AVG	



E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	24°C	Relative Humidity	46%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11n (20 MHz)		
NOTE	The transmitter was setup to transmit at the lowest channel and the field strength was measured at 2310-2390 MHz.		

Polarization: Vertical

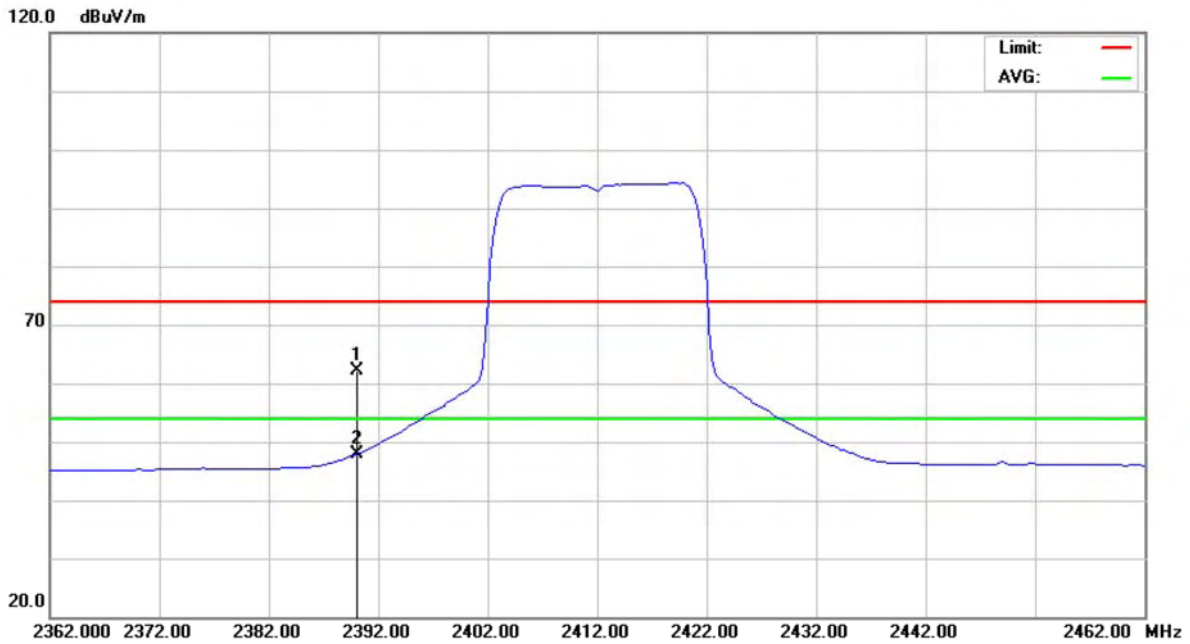


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2390.000	27.87	31.67	59.54	74.00	-14.46	peak	
2	*	2390.000	14.75	31.67	46.42	54.00	-7.58	AVG	



E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	24°C	Relative Humidity	46%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11n (20 MHz)		
NOTE	The transmitter was setup to transmit at the lowest channel and the field strength was measured at 2310-2390 MHz.		

Polarization: Horizontal

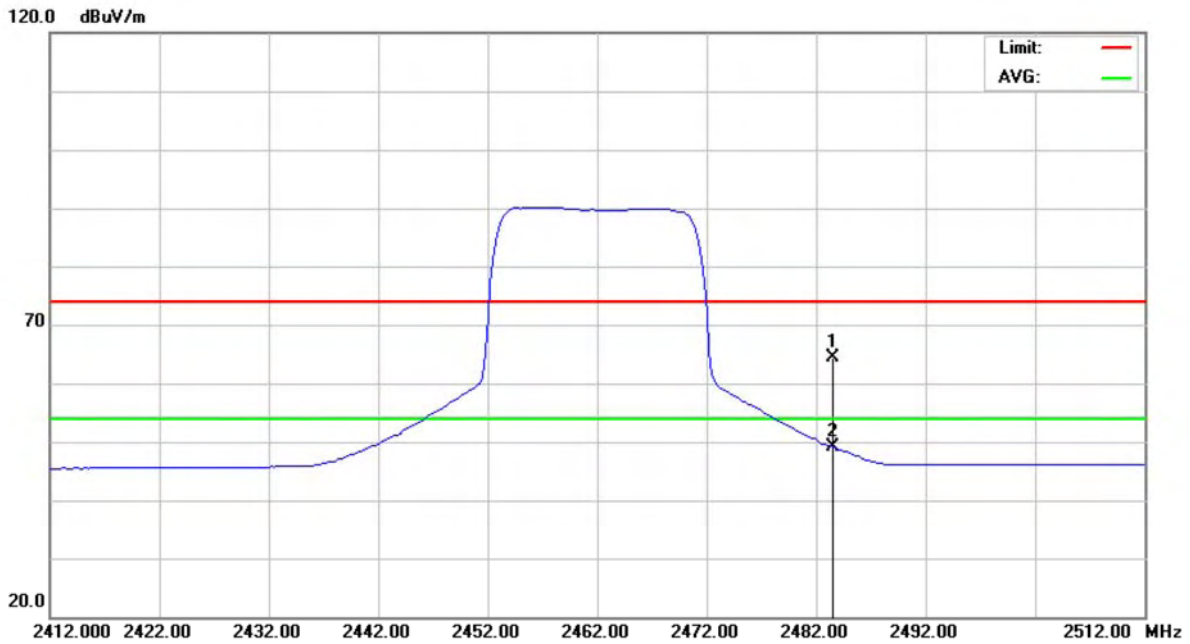


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2390.000	30.51	31.67	62.18	74.00	-11.82	peak	
2	*	2390.000	16.21	31.67	47.88	54.00	-6.12	AVG	



E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	24°C	Relative Humidity	46%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11n (20 MHz)		
NOTE	The transmitter was setup to transmit at the highest channel and the field strength was measured at 2483.5-2500 MHz.		

Polarization: Vertical

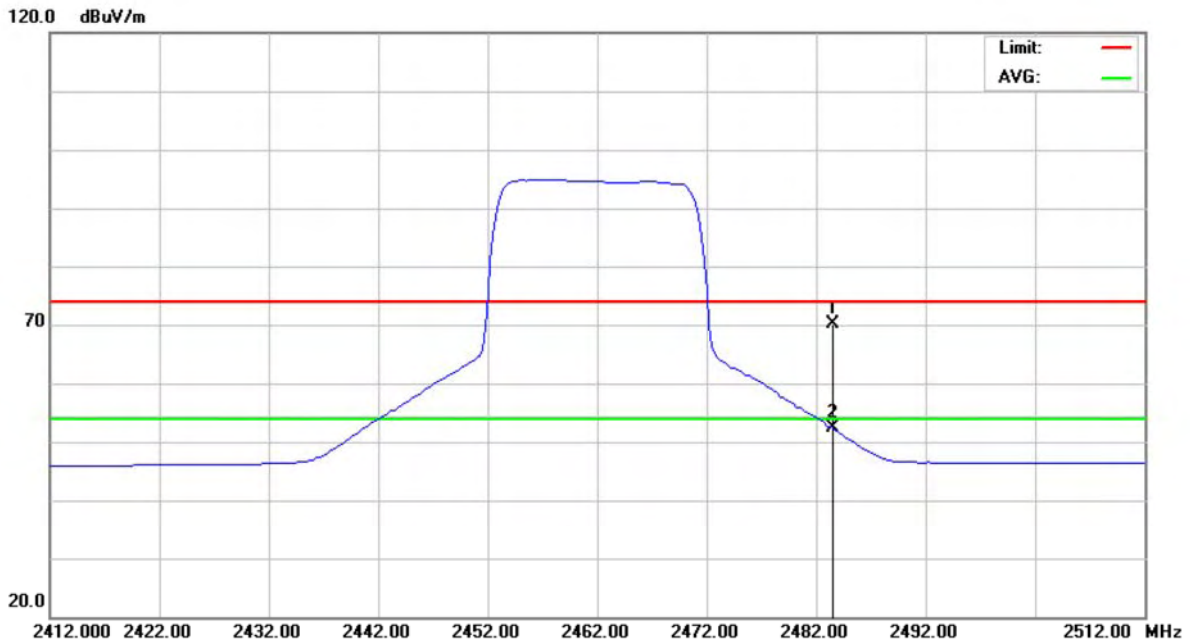


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2483.500	32.25	32.09	64.34	74.00	-9.66	peak	
2	*	2483.500	17.09	32.09	49.18	54.00	-4.82	AVG	



E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	24°C	Relative Humidity	46%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11n (20 MHz)		
NOTE	The transmitter was setup to transmit at the highest channel and the field strength was measured at 2483.5-2500 MHz.		

Polarization: Horizontal

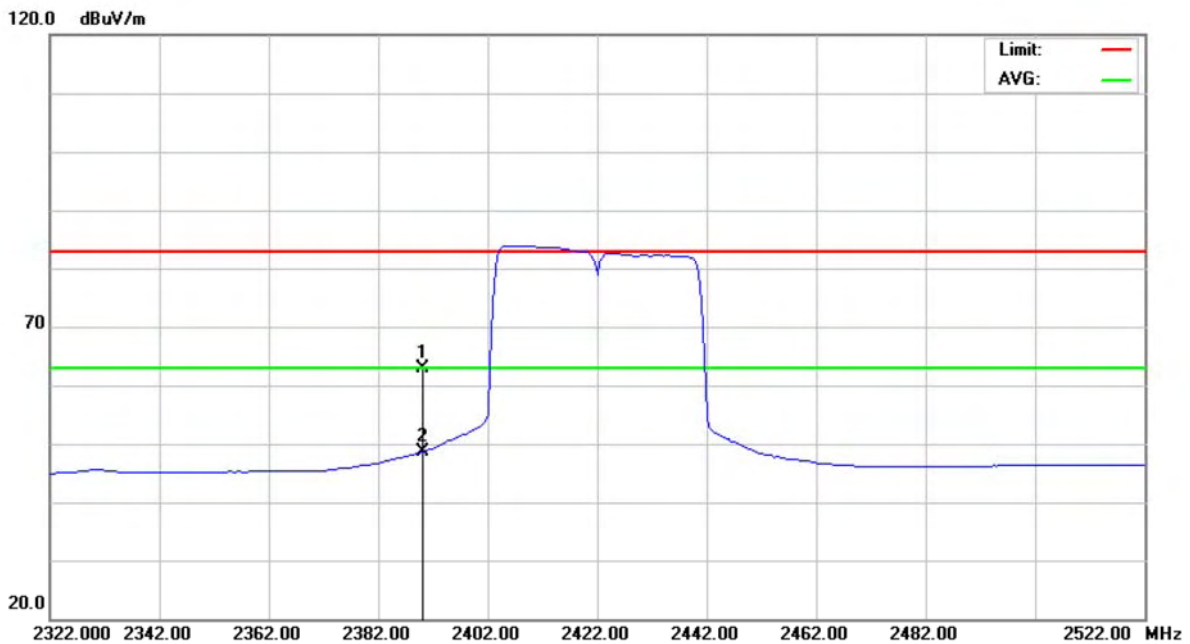


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2483.500	38.00	32.09	70.09	74.00	-3.91	peak	
2	*	2483.500	20.25	32.09	52.34	54.00	-1.66	AVG	



E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	24°C	Relative Humidity	46%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11n (40 MHz)		
NOTE	The transmitter was setup to transmit at the lowest channel and the field strength was measured at 2310-2390 MHz.		

Polarization: Vertical

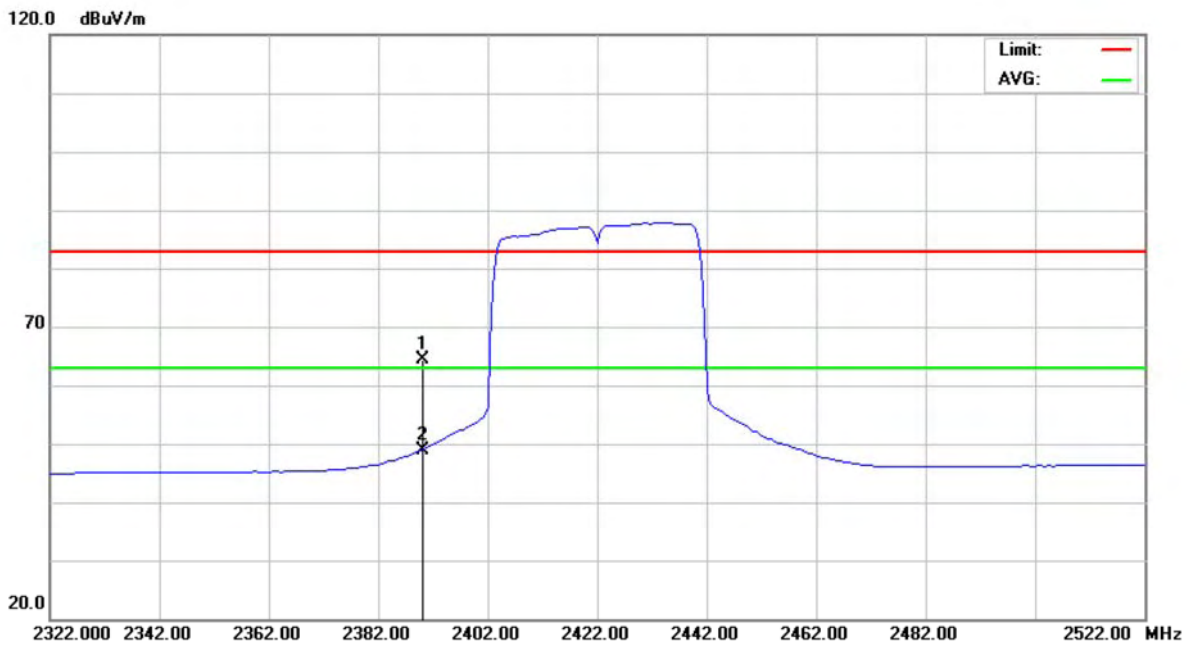


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2390.000	30.94	31.87	62.81	83.00	-20.19	peak	
2	*	2390.000	16.71	31.87	48.58	63.00	-14.42	AVG	



E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	24°C	Relative Humidity	46%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11n (40 MHz)		
NOTE	The transmitter was setup to transmit at the lowest channel and the field strength was measured at 2310-2390 MHz.		

Polarization: Horizontal

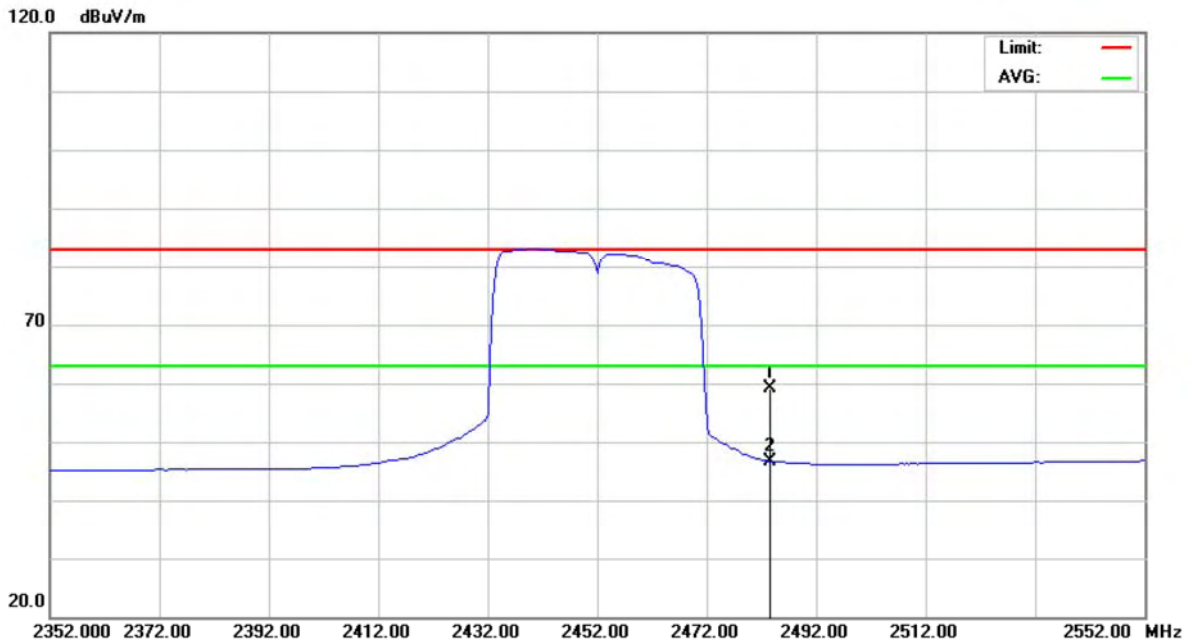


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2390.000	32.50	31.87	64.37	83.00	-18.63	peak	
2	*	2390.000	17.11	31.87	48.98	63.00	-14.02	AVG	



E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	24°C	Relative Humidity	46%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11n (40 MHz)		
NOTE	The transmitter was setup to transmit at the highest channel and the field strength was measured at 2483.5-2500 MHz.		

Polarization: Vertical

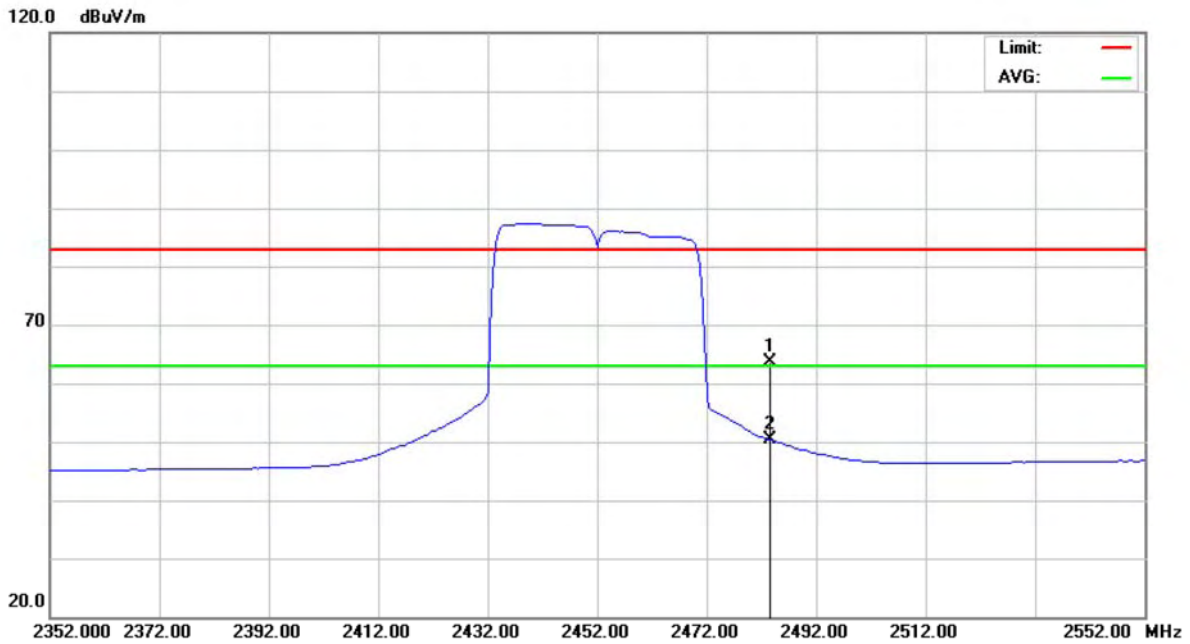


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2483.500	26.75	32.29	59.04	83.00	-23.96	peak	
2	*	2483.500	14.42	32.29	46.71	63.00	-16.29	AVG	



E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	24°C	Relative Humidity	46%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11n (40 MHz)		
NOTE	The transmitter was setup to transmit at the highest channel and the field strength was measured at 2483.5-2500 MHz.		

Polarization: Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2483.500	31.41	32.29	63.70	83.00	-19.30	peak	
2	*	2483.500	17.97	32.29	50.26	63.00	-12.74	AVG	



10 POWER SPECTRAL DENSITY

10.1 LIMIT

Test Item	Frequency Range (MHz)	Limit
Power Spectral Density	2400-2483.5	8 dBm (in any 3 kHz)

10.2 MEASUREMENT INSTRUMENTS LIST

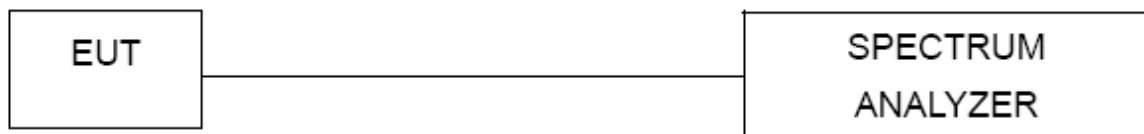
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP-40	100129	Oct. 01, 2013

NOTE: **N/A**: denotes No Model Name, No Serial No. or No Calibration specified.

10.3 TEST PROCEDURES

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- b. Spectrum Setting: RBW=3 kHz, VBW=10 kHz, Sweep time = AUTO.

10.4 TEST SETUP LAYOUT



10.5 DEVIATION FROM TEST STANDARD

No deviation

10.6 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.

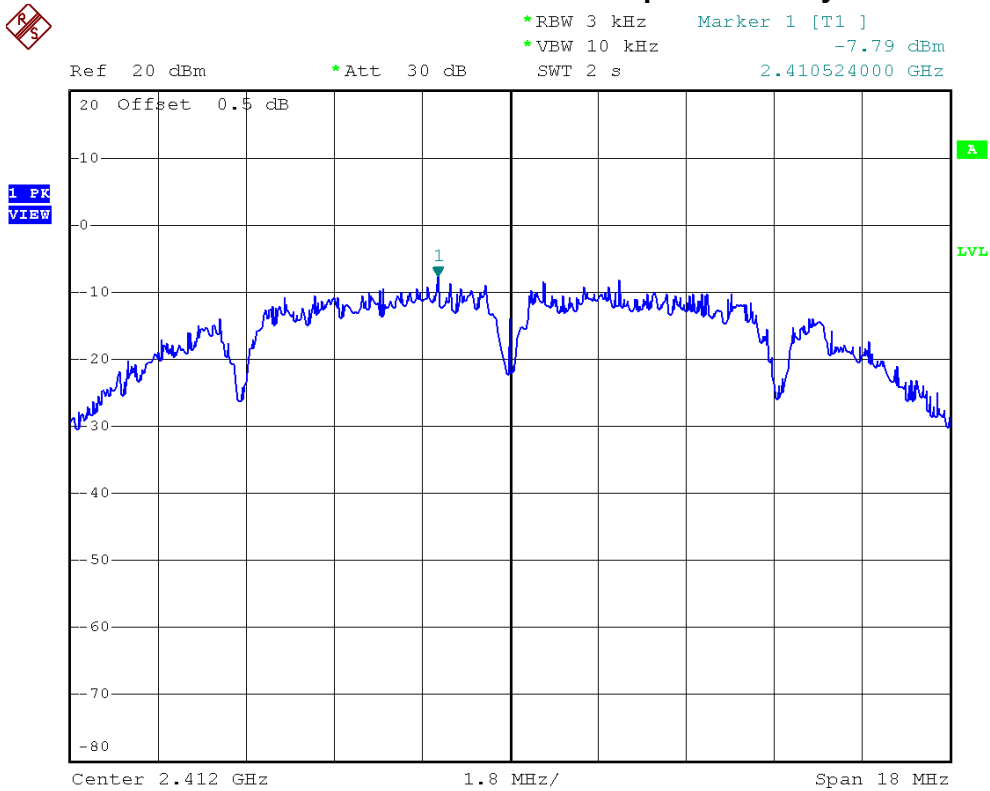


10.7 TEST RESULTS - 2412-2462 MHZ

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, 2437 MHz, 2462 MHz		

Frequency	Power Density (dBm)	Limit (dBm)	Result
2412 MHz	-7.79	8	PASS
2437 MHz	-7.32	8	PASS
2462 MHz	-8.52	8	PASS

IEEE 802.11b/2412 MHz/Power Sepctral Density





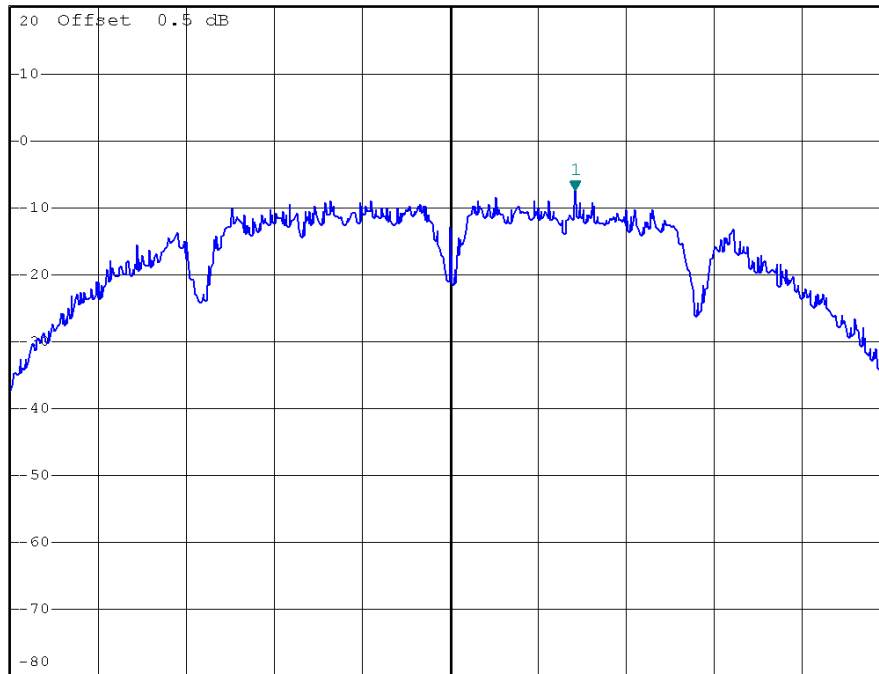
IEEE 802.11b/2437 MHz/Power Sepctral Density



*RBW 3 kHz Marker 1 [T1]
*VBW 10 kHz -7.32 dBm
SWT 2.2 s 2.439769000 GHz

Ref 20 dBm *Att 30 dB

1 PK
VIEW



Center 2.437 GHz 1.95 MHz/ Span 19.5 MHz

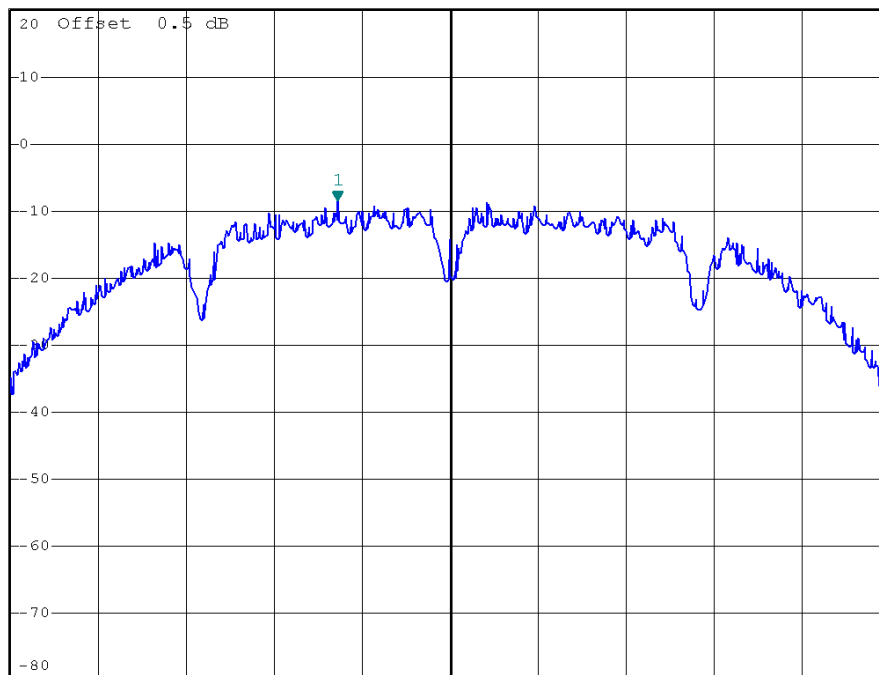
IEEE 802.11b/2462 MHz/Power Sepctral Density



*RBW 3 kHz Marker 1 [T1]
*VBW 10 kHz -8.52 dBm
SWT 2.2 s 2.459504000 GHz

Ref 20 dBm *Att 30 dB

1 PK
VIEW



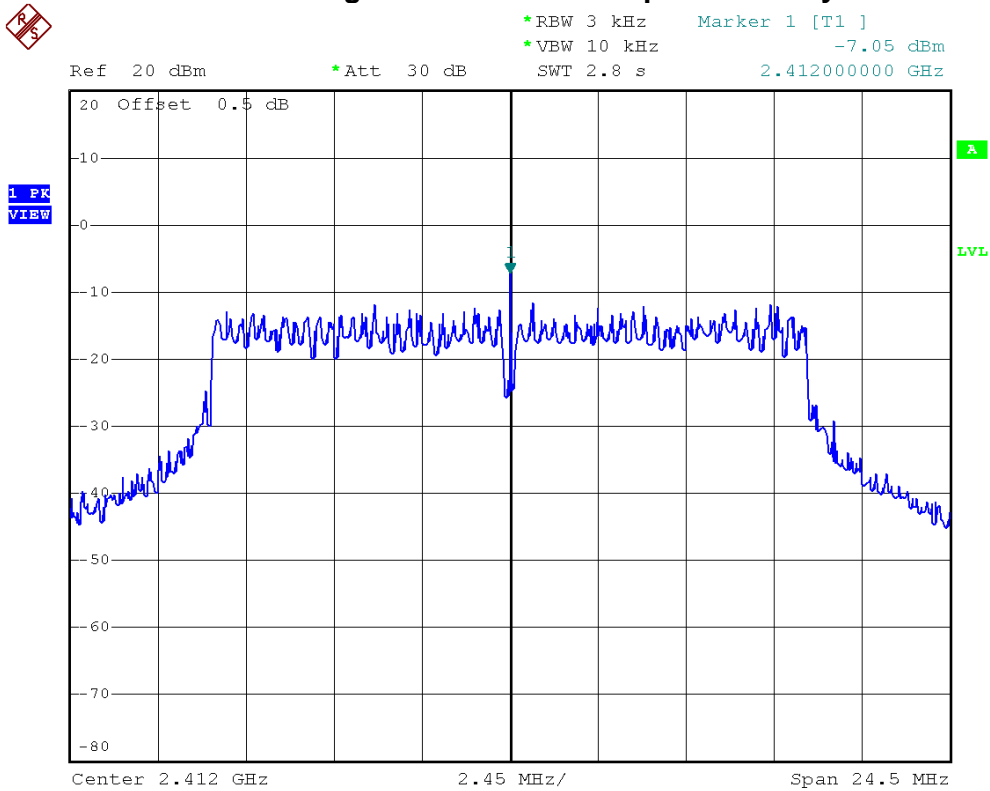
Center 2.462 GHz 1.95 MHz/ Span 19.5 MHz



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 802.11g/2412 MHz, 2437 MHz, 2462 MHz		

Frequency	Power Density (dBm)	Limit (dBm)	Result
2412 MHz	-7.05	8	PASS
2437 MHz	-10.26	8	PASS
2462 MHz	-11.48	8	PASS

IEEE 802.11g/2412 MHz/Power Sepctral Density





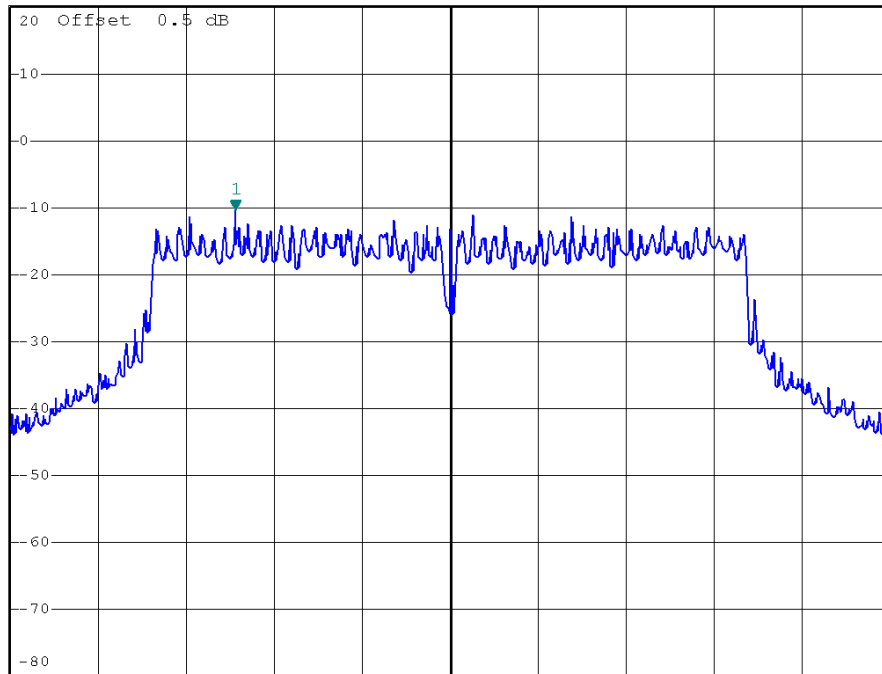
IEEE 802.11g/2437 MHz/Power Sepctral Density



*RBW 3 kHz Marker 1 [T1]
*VBW 10 kHz -10.26 dBm
SWT 2.8 s 2.431022000 GHz

Ref 20 dBm *Att 30 dB

1 PK
VIEW



Center 2.437 GHz 2.45 MHz/ Span 24.5 MHz

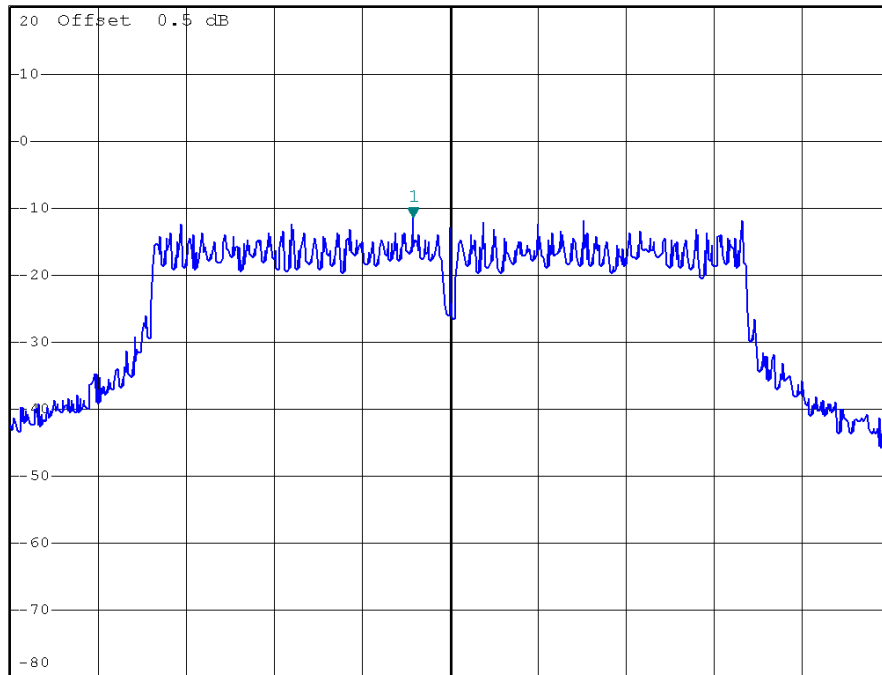
IEEE 802.11g/2462 MHz/Power Sepctral Density



*RBW 3 kHz Marker 1 [T1]
*VBW 10 kHz -11.48 dBm
SWT 2.8 s 2.460971000 GHz

Ref 20 dBm *Att 30 dB

1 PK
VIEW



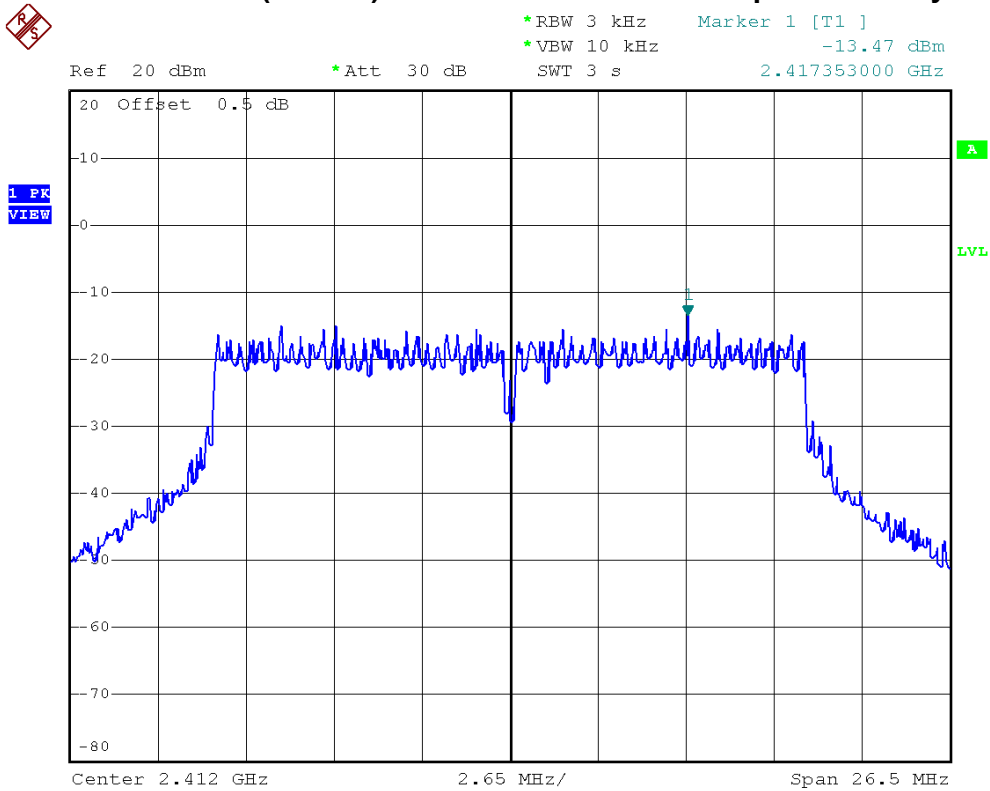
Center 2.462 GHz 2.45 MHz/ Span 24.5 MHz



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 802.11n (20 MHz)/ANT.0/2412 MHz, 2437 MHz, 2462 MHz		

Frequency	Power Density (dBm)	Limit (dBm)	Result
2412 MHz	-13.47	8	PASS
2437 MHz	-14.99	8	PASS
2462 MHz	-15.74	8	PASS

IEEE 802.11n (20 MHz)/ANT.0/2412 MHz/Power Sepctral Density

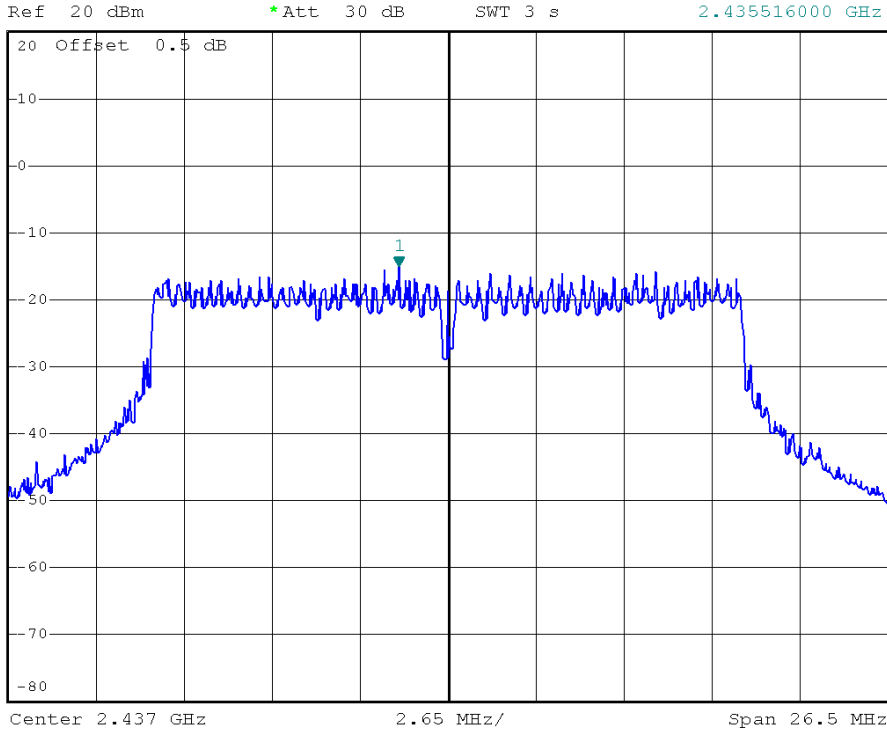




IEEE 802.11n (20 MHz)/ANT.0/2437 MHz/Power Sepctral Density



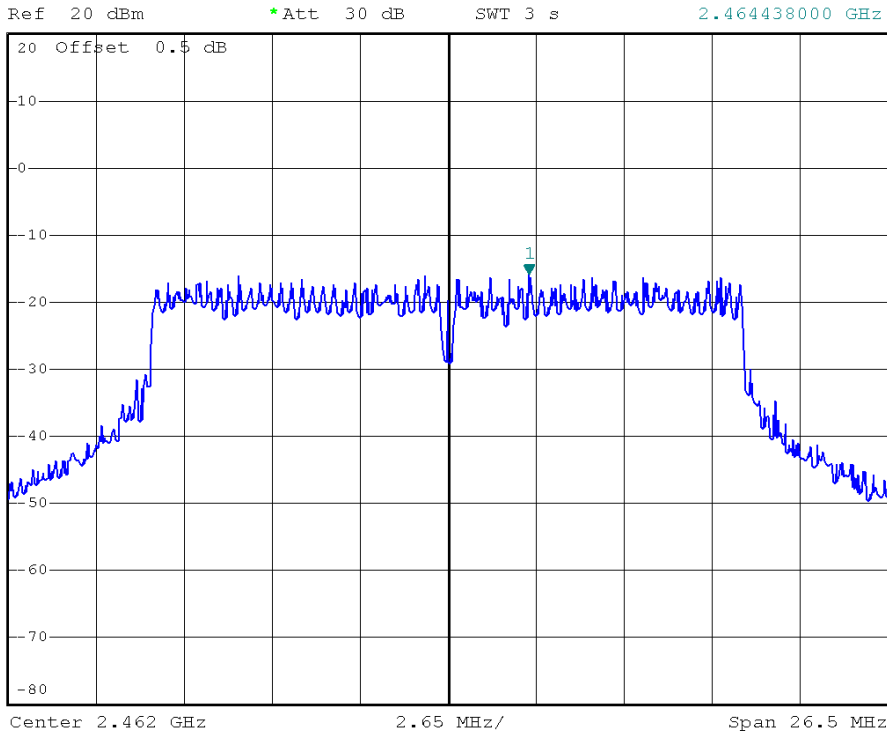
*RBW 3 kHz Marker 1 [T1]
*VBW 10 kHz -14.99 dBm
SWT 3 s 2.435516000 GHz



IEEE 802.11n (20 MHz)/ANT.0/2462 MHz/Power Sepctral Density



*RBW 3 kHz Marker 1 [T1]
*VBW 10 kHz -15.74 dBm
SWT 3 s 2.464438000 GHz

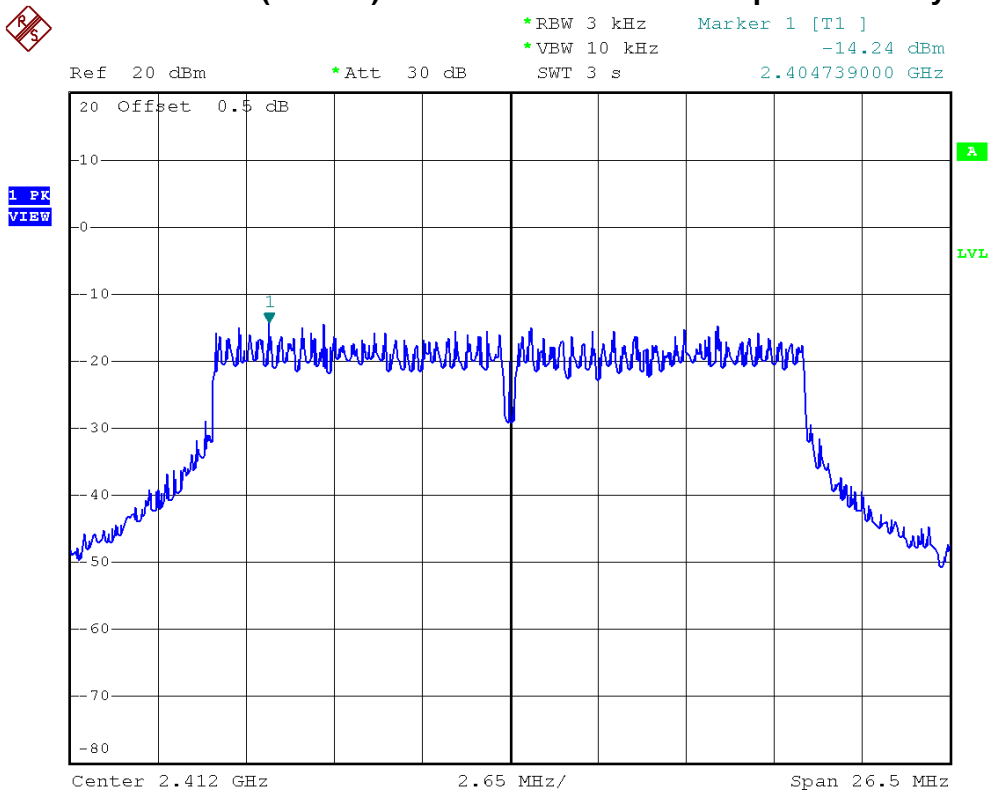




E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11n (20 MHz)/ANT.1/2412 MHz, 2437 MHz, 2462 MHz		

Frequency	Power Density (dBm)	Limit (dBm)	Result
2412 MHz	-14.24	8	PASS
2437 MHz	-11.34	8	PASS
2462 MHz	-13.55	8	PASS

IEEE 802.11n (20 MHz)/ANT.1/2412 MHz/Power Sepctral Density

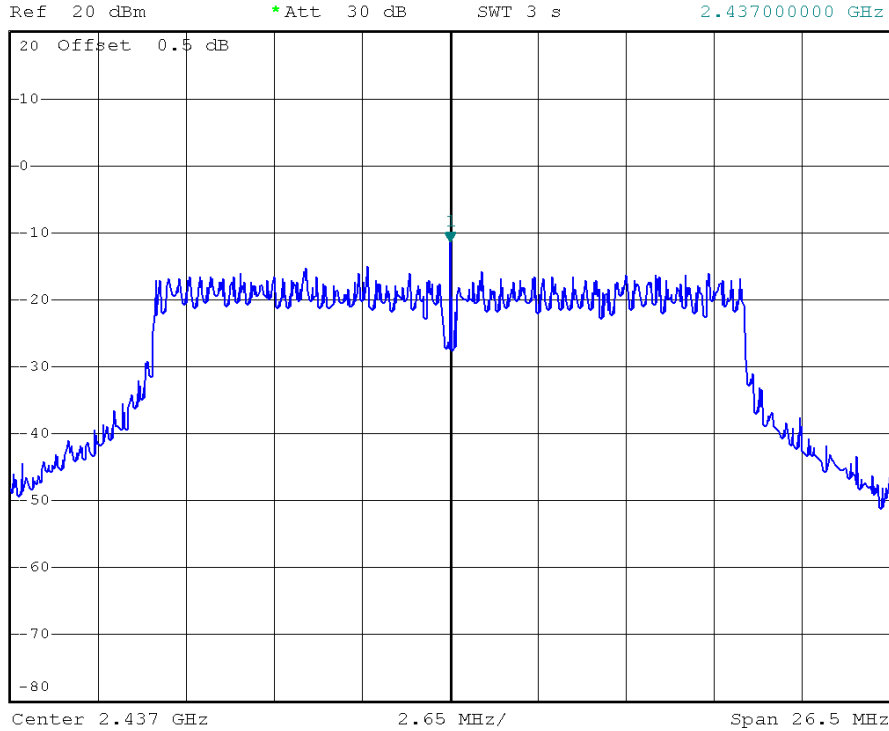




IEEE 802.11n (20 MHz)/ANT.1/2437 MHz/Power Sepctral Density



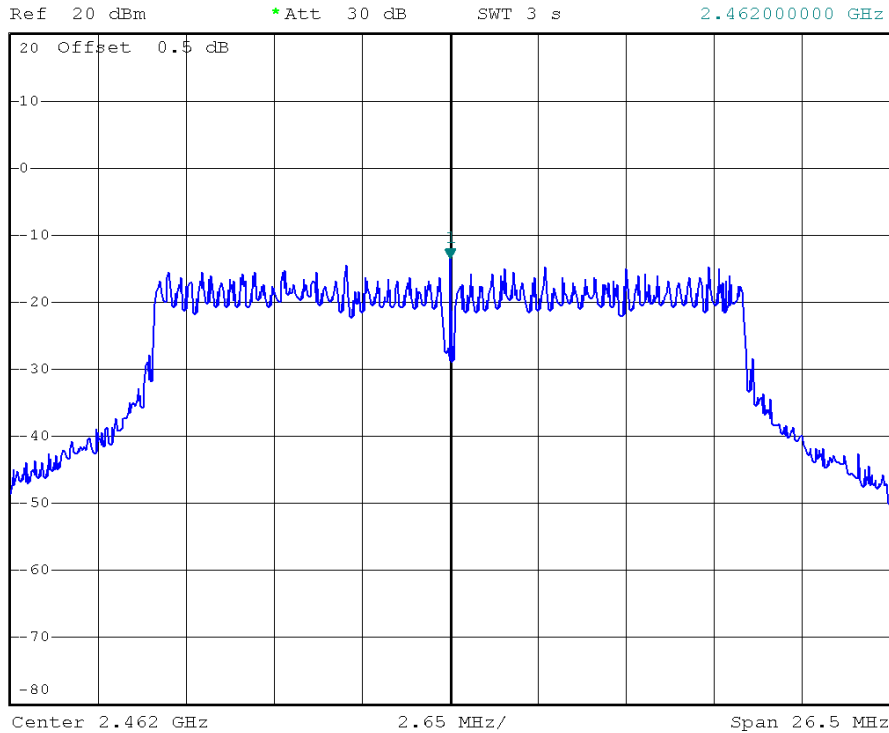
*RBW 3 kHz Marker 1 [T1]
*VBW 10 kHz -11.34 dBm
SWT 3 s 2.437000000 GHz



IEEE 802.11n (20 MHz)/ANT.1/2462 MHz/Power Sepctral Density



*RBW 3 kHz Marker 1 [T1]
*VBW 10 kHz -13.55 dBm
SWT 3 s 2.462000000 GHz



**Neutron Engineering Inc.**

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)/ANT.Total/2412 MHz, 2437 MHz, 2462 MHz		

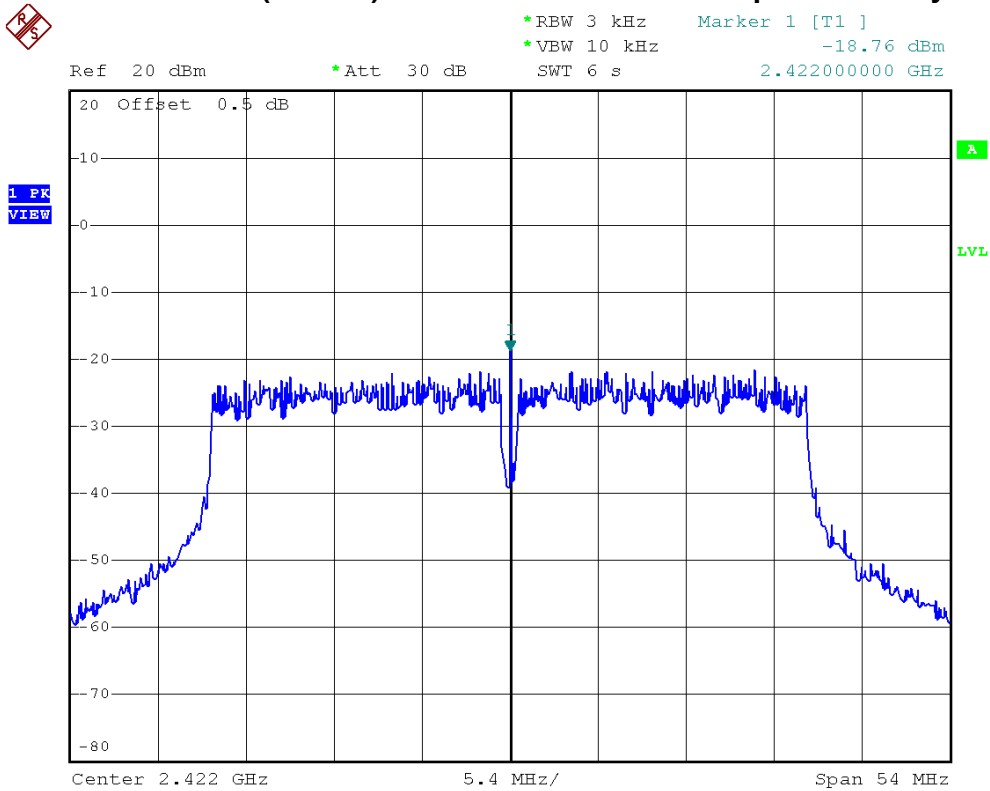
Frequency	Power Density (dBm)	Limit (dBm)	Result
2412 MHz	5.00	8	PASS
2437 MHz	5.00	8	PASS
2462 MHz	5.00	8	PASS



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)/ANT.0/2422 MHz, 2437 MHz, 2452 MHz		

Frequency	Power Density (dBm)	Limit (dBm)	Result
2422 MHz	-18.76	8	PASS
2437 MHz	-19.21	8	PASS
2452 MHz	-16.88	8	PASS

IEEE 802.11n (40 MHz)/ANT.0/2422 MHz/Power Sepctral Density





IEEE 802.11n (40 MHz)/ANT.0/2437 MHz/Power Sepctral Density

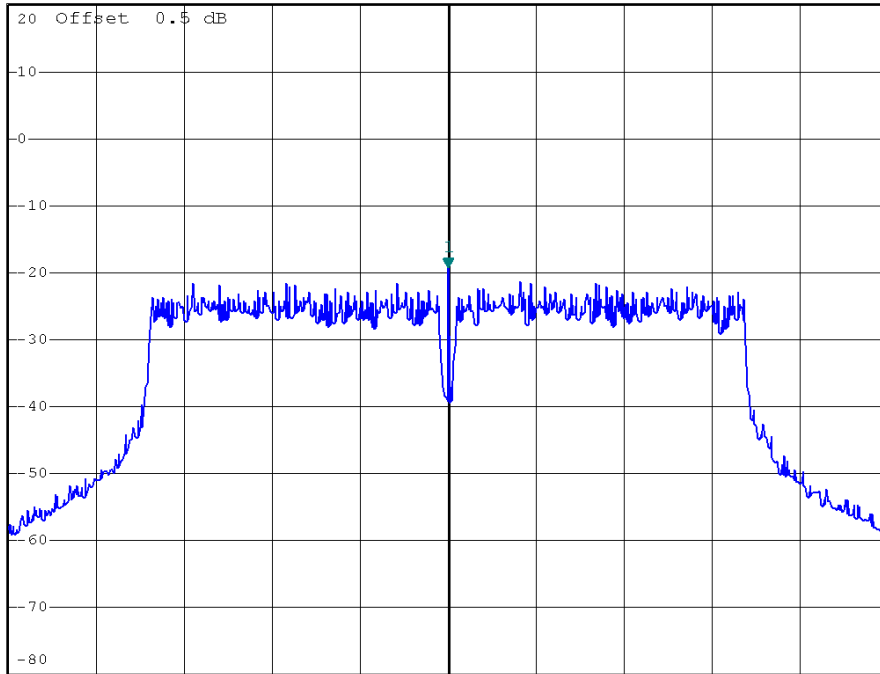


*RBW 3 kHz Marker 1 [T1]
*VBW 10 kHz -19.21 dBm
SWT 6 s 2.437000000 GHz

Ref 20 dBm

*Att 30 dB

1 PK
VIEW



IEEE 802.11n (40 MHz)/ANT.0/2452 MHz/Power Sepctral Density

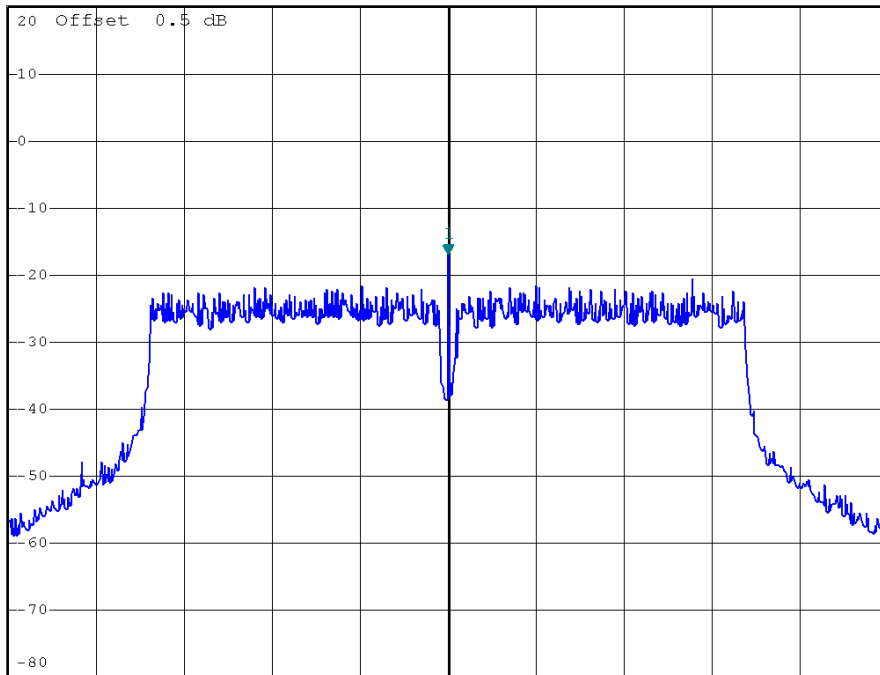


*RBW 3 kHz Marker 1 [T1]
*VBW 10 kHz -16.88 dBm
SWT 6 s 2.452000000 GHz

Ref 20 dBm

*Att 30 dB

1 PK
VIEW

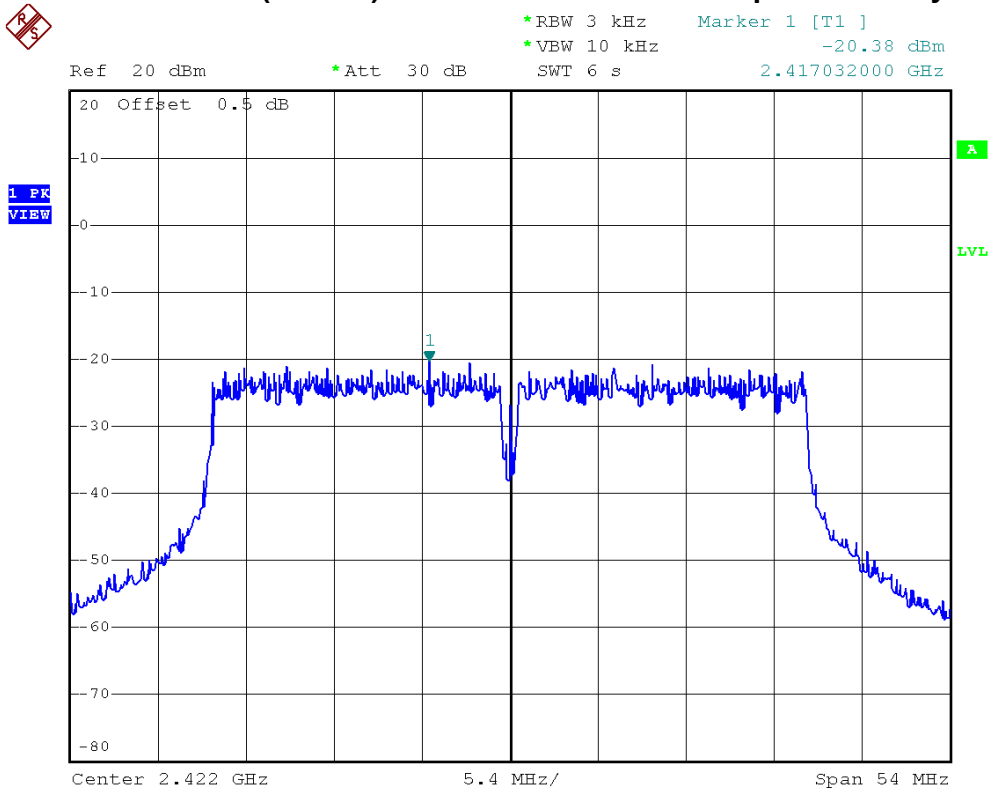




E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11n (40 MHz)/ANT.1/2422 MHz, 2437 MHz, 2452 MHz		

Frequency	Power Density (dBm)	Limit (dBm)	Result
2422 MHz	-20.38	8	PASS
2437 MHz	-21.01	8	PASS
2452 MHz	-20.17	8	PASS

IEEE 802.11n (40 MHz)/ANT.1/2422 MHz/Power Sepctral Density





IEEE 802.11n (40 MHz)/ANT.1/2437 MHz/Power Sepctral Density

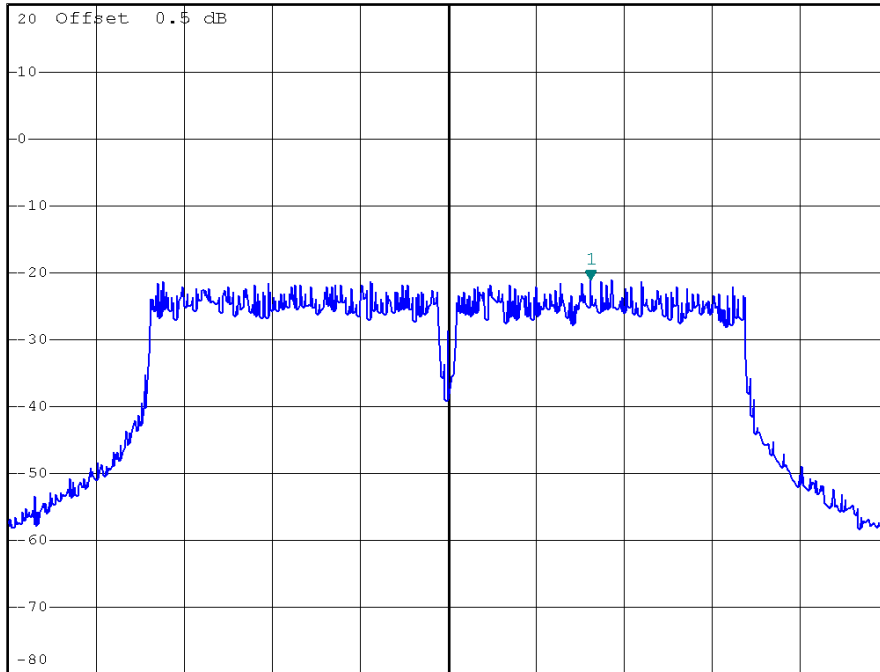


*RBW 3 kHz Marker 1 [T1]
*VBW 10 kHz -21.01 dBm
SWT 6 s 2.445748000 GHz

Ref 20 dBm

*Att 30 dB

1 PK
VIEW



Center 2.437 GHz

5.4 MHz/

Span 54 MHz

IEEE 802.11n (40 MHz)/ANT.1/2452 MHz/Power Sepctral Density

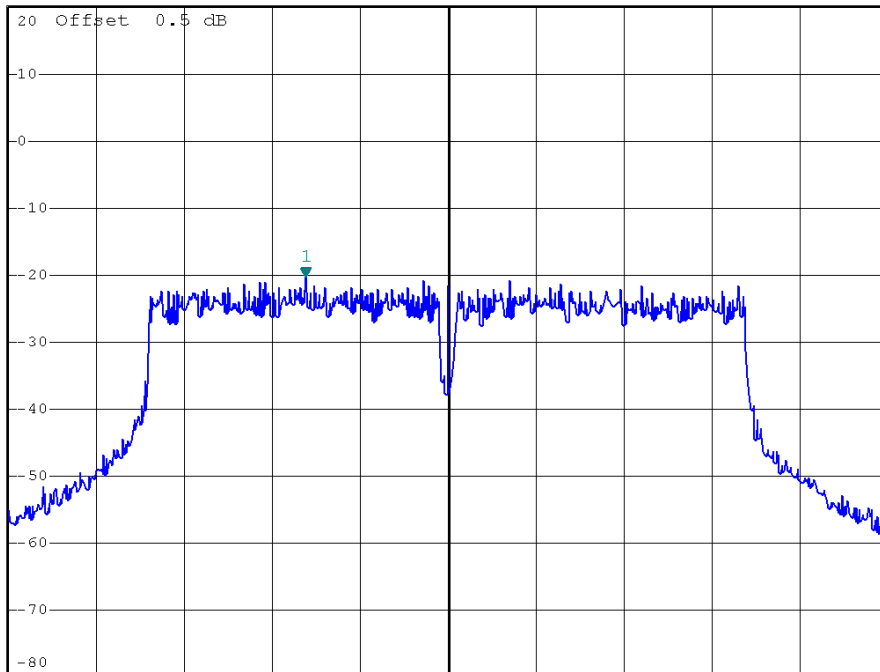


*RBW 3 kHz Marker 1 [T1]
*VBW 10 kHz -20.17 dBm
SWT 6 s 2.443252000 GHz

Ref 20 dBm

*Att 30 dB

1 PK
VIEW



Center 2.452 GHz

5.4 MHz/

Span 54 MHz

**Neutron Engineering Inc.**

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)/ANT.Total/2422 MHz, 2437 MHz, 2452 MHz		

Frequency	Power Density (dBm)	Limit (dBm)	Result
2422 MHz	5.00	8	PASS
2437 MHz	5.00	8	PASS
2452 MHz	5.00	8	PASS

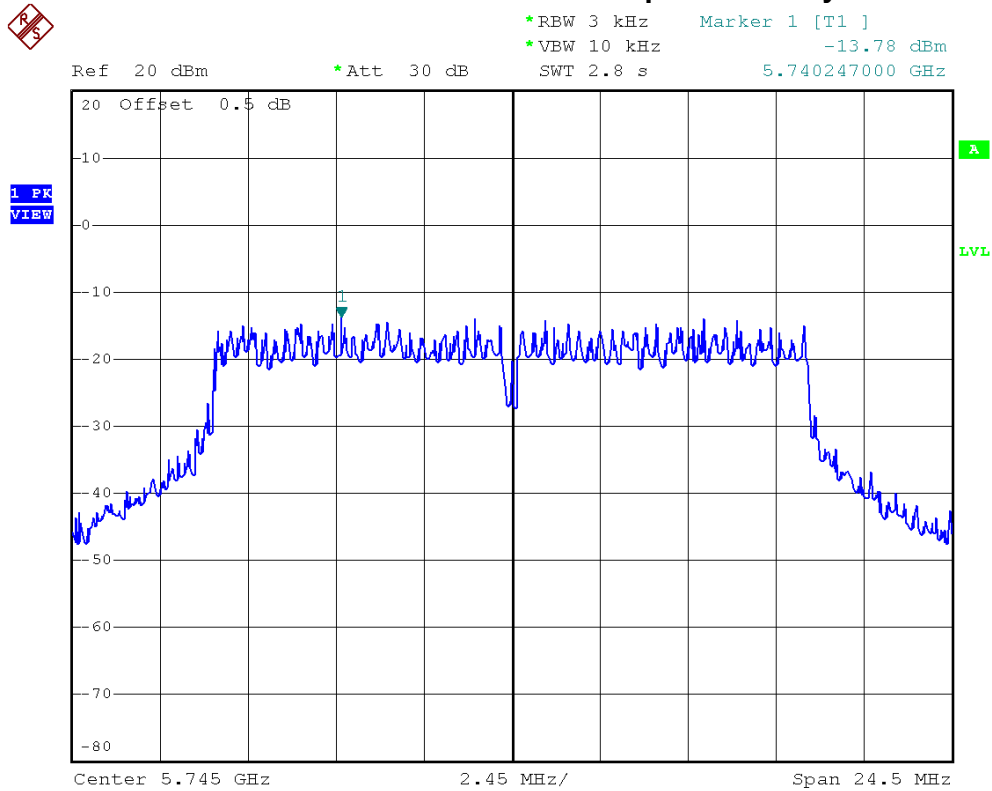


10.8 TEST RESULTS - 5745-5825 MHZ

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 802.11a/5745 MHz, 5785 MHz, 5825 MHz		

Frequency	Power Density (dBm)	Limit (dBm)	Result
5745 MHz	-13.78	8	PASS
5785 MHz	-14.50	8	PASS
5825 MHz	-14.17	8	PASS

IEEE 802.11a/5745 MHz/Power Sepctral Density





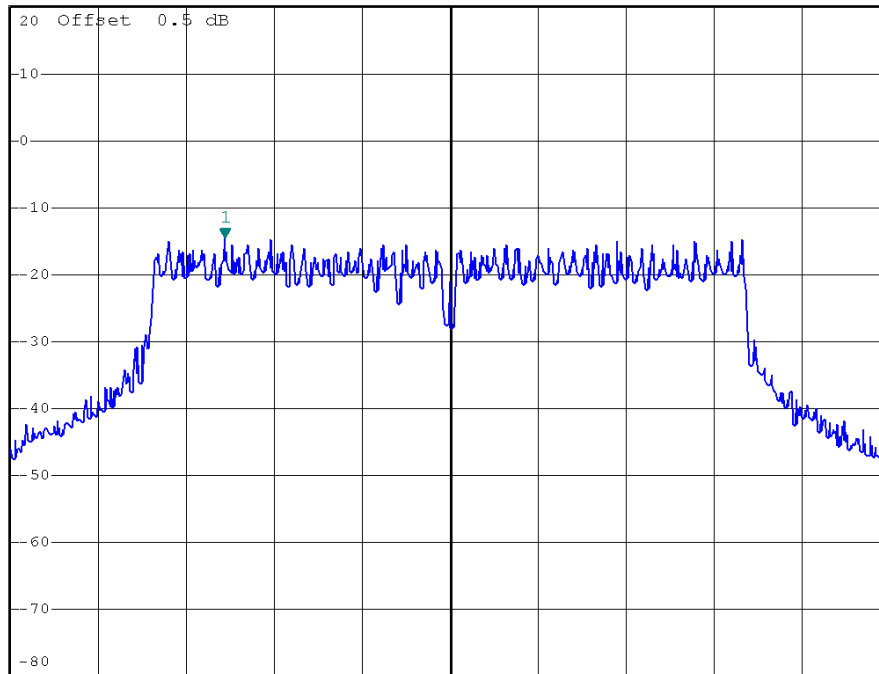
IEEE 802.11a/5785 MHz/Power Sepctral Density



*RBW 3 kHz Marker 1 [T1]
*VBW 10 kHz -14.50 dBm
SWT 2.8 s 5.778728000 GHz

Ref 20 dBm *Att 30 dB

1 PK
VIEW



Center 5.785 GHz 2.45 MHz/ Span 24.5 MHz

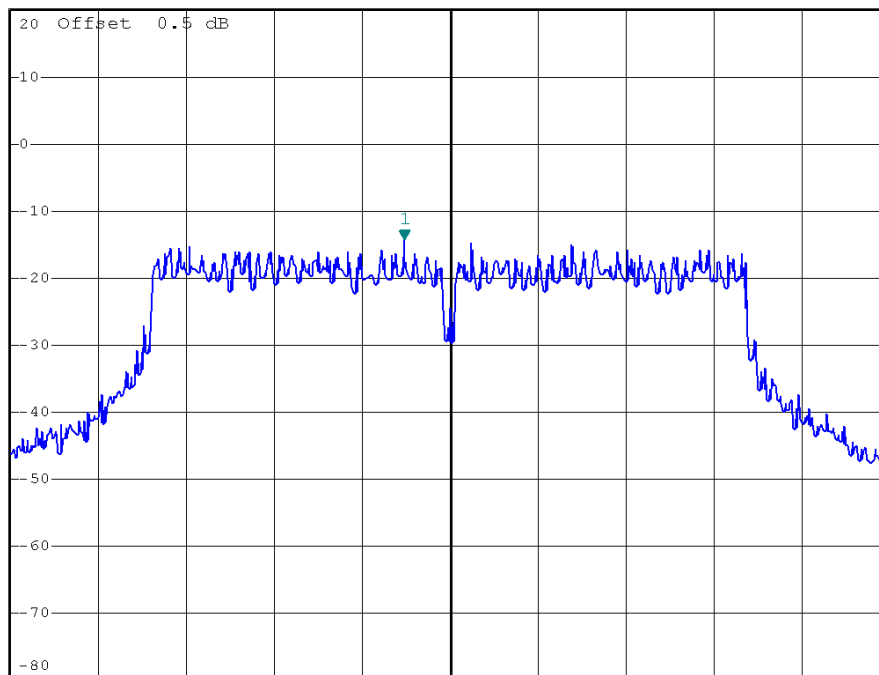
IEEE 802.11a/5825 MHz/Power Sepctral Density



*RBW 3 kHz Marker 1 [T1]
*VBW 10 kHz -14.17 dBm
SWT 2.8 s 5.823726000 GHz

Ref 20 dBm *Att 30 dB

1 PK
VIEW



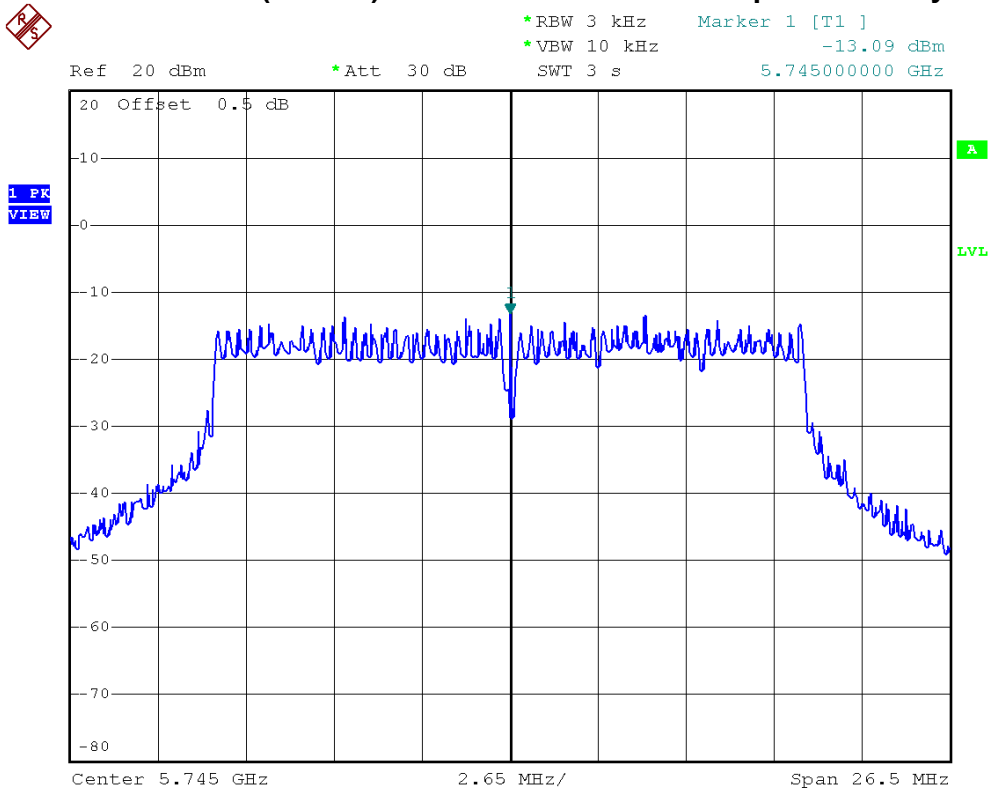
Center 5.825 GHz 2.45 MHz/ Span 24.5 MHz



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 802.11n (20 MHz)/ANT.0/5745 MHz, 5785 MHz, 5825 MHz		

Frequency	Power Density (dBm)	Limit (dBm)	Result
5745 MHz	-13.09	8	PASS
5785 MHz	-17.08	8	PASS
5825 MHz	-14.71	8	PASS

IEEE 802.11n (20 MHz)/ANT.0/5745 MHz/Power Sepctral Density

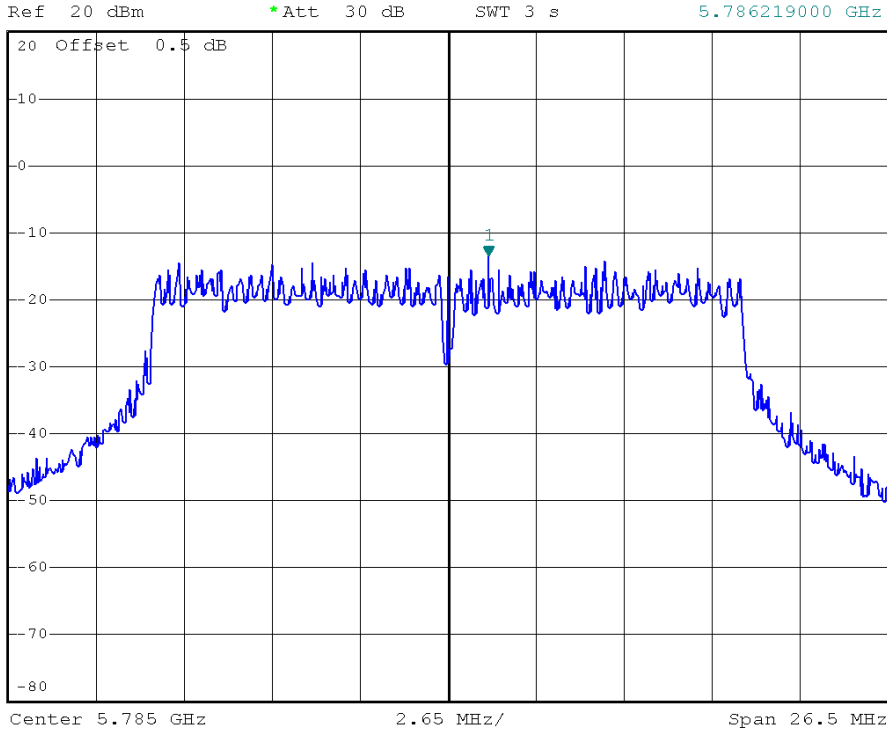




IEEE 802.11n (20 MHz)/ANT.0/5785 MHz/Power Sepctral Density



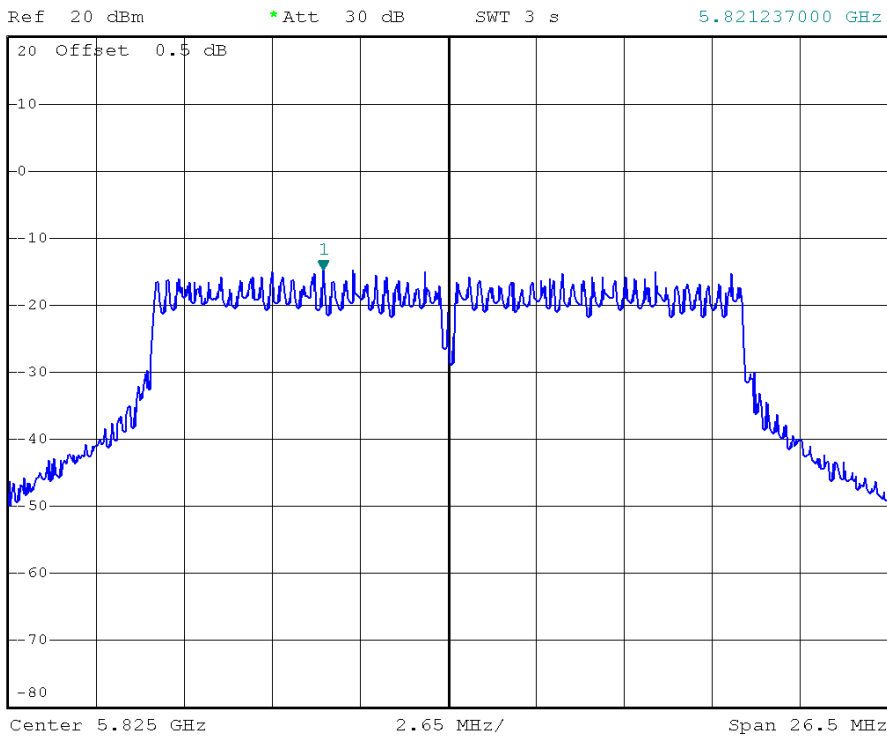
*RBW 3 kHz Marker 1 [T1]
*VBW 10 kHz -13.46 dBm
SWT 3 s 5.786219000 GHz



IEEE 802.11n (20 MHz)/ANT.0/5825 MHz/Power Sepctral Density



*RBW 3 kHz Marker 1 [T1]
*VBW 10 kHz -14.71 dBm
SWT 3 s 5.821237000 GHz

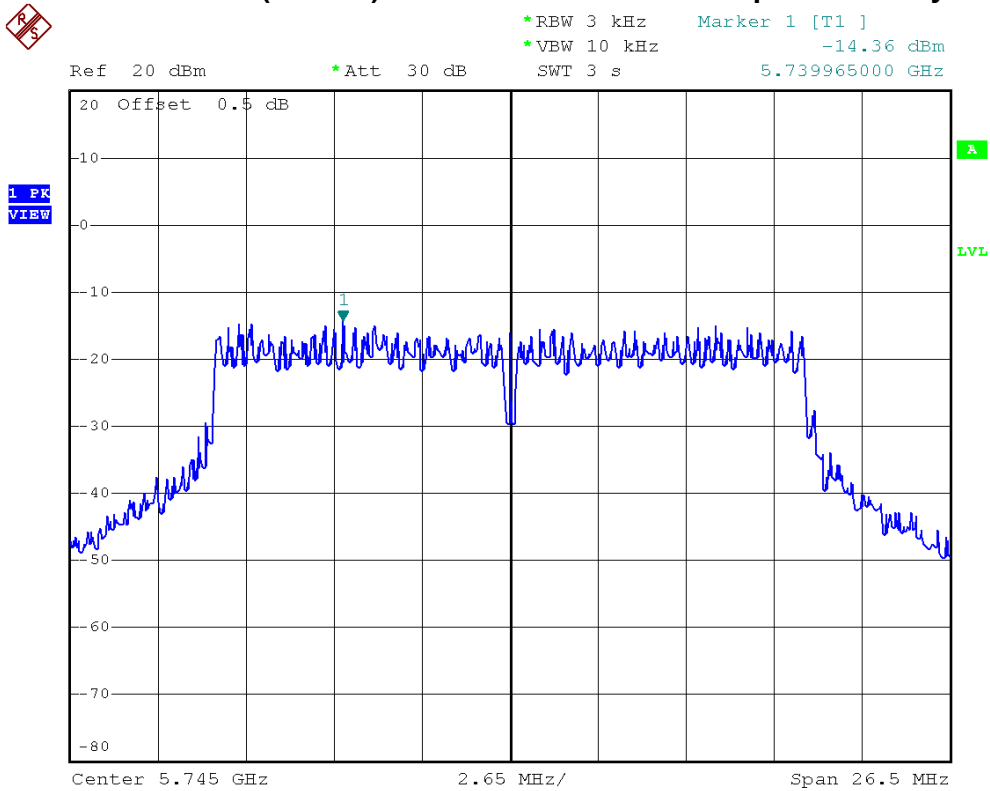




E.U.T	IEEE 802.11a/b/g/n 2x2 Wireless LAN USB Client	Model Name	AP-3001g
Temperature	26°C	Relative Humidity	60%
Test Voltage	AC 120V/60Hz (System)		
Test Mode	IEEE 802.11n (20 MHz)/ANT.1/5745 MHz, 5785 MHz, 5825 MHz		

Frequency	Power Density (dBm)	Limit (dBm)	Result
5745 MHz	-14.36	8	PASS
5785 MHz	-16.47	8	PASS
5825 MHz	-14.40	8	PASS

IEEE 802.11n (20 MHz)/ANT.1/2412 MHz/Power Sepctral Density

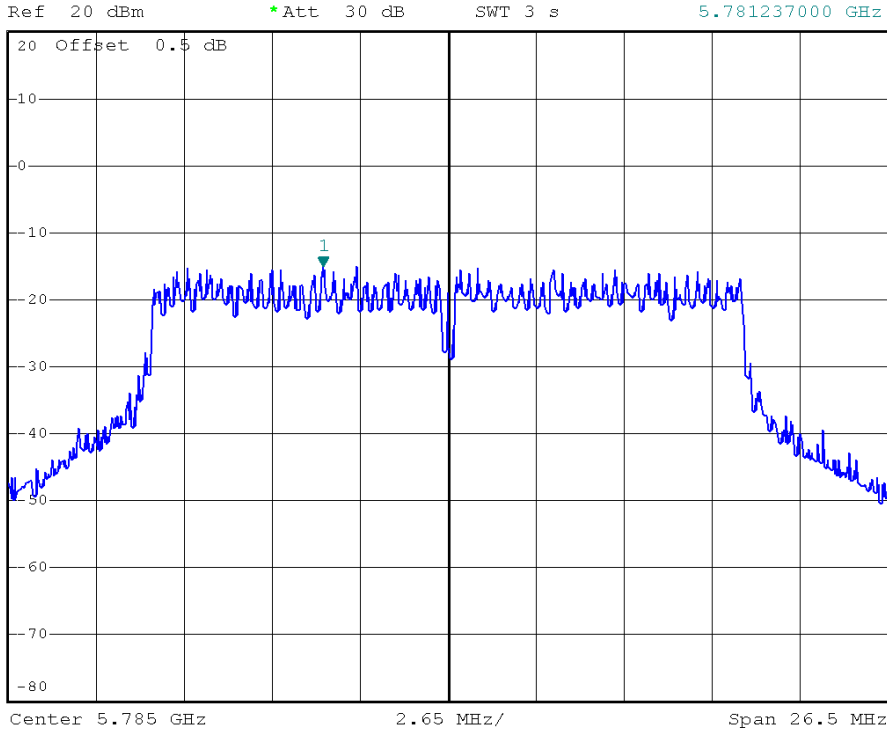




IEEE 802.11n (20 MHz)/ANT.1/2437 MHz/Power Sepctral Density



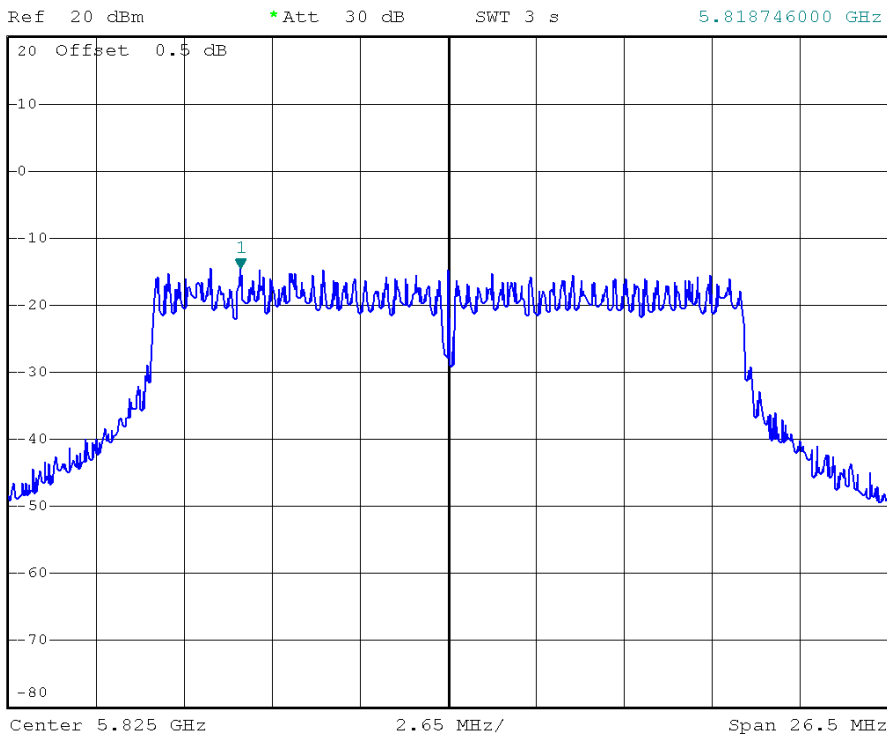
*RBW 3 kHz Marker 1 [T1]
*VBW 10 kHz -14.96 dBm
SWT 3 s 5.781237000 GHz



IEEE 802.11n (20 MHz)/ANT.1/2462 MHz/Power Sepctral Density



*RBW 3 kHz Marker 1 [T1]
*VBW 10 kHz -14.40 dBm
SWT 3 s 5.818746000 GHz



**Neutron Engineering Inc.**

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)/ANT.Total/5745 MHz, 5785 MHz, 5825 MHz		

Frequency	Power Density (dBm)	Limit (dBm)	Result
5745 MHz	5.00	8	PASS
5785 MHz	5.00	8	PASS
5825 MHz	5.00	8	PASS

**Neutron Engineering Inc.**

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)/ANT.0/5755 MHz, 5795 MHz		

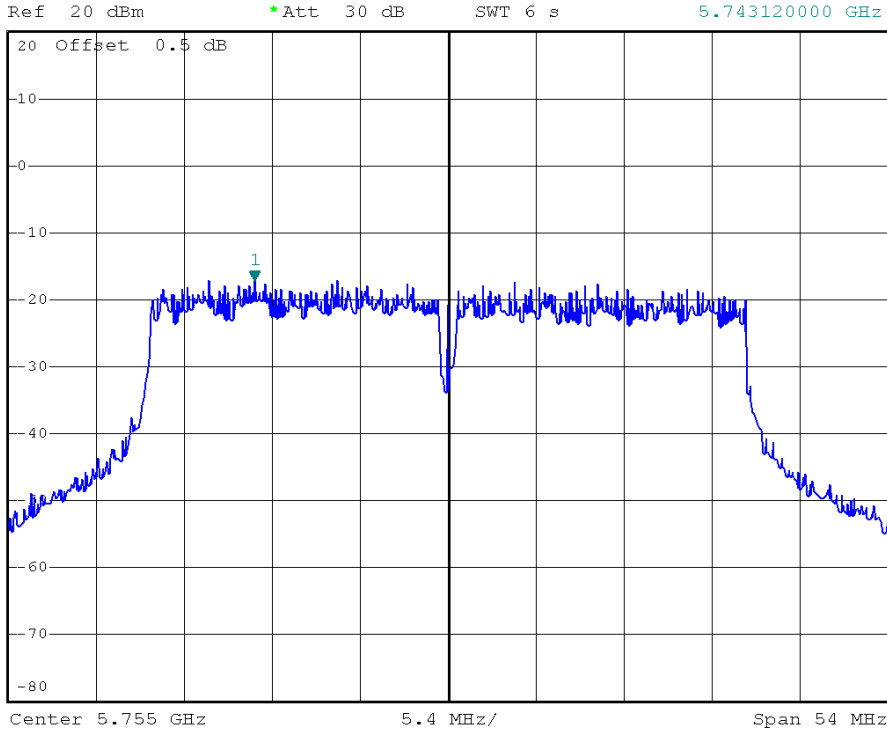
Frequency	Power Density (dBm)	Limit (dBm)	Result
5755 MHz	-17.08	8	PASS
5795 MHz	-17.11	8	PASS



IEEE 802.11n (40 MHz)/ANT.0/5755 MHz/Power Sepctral Density



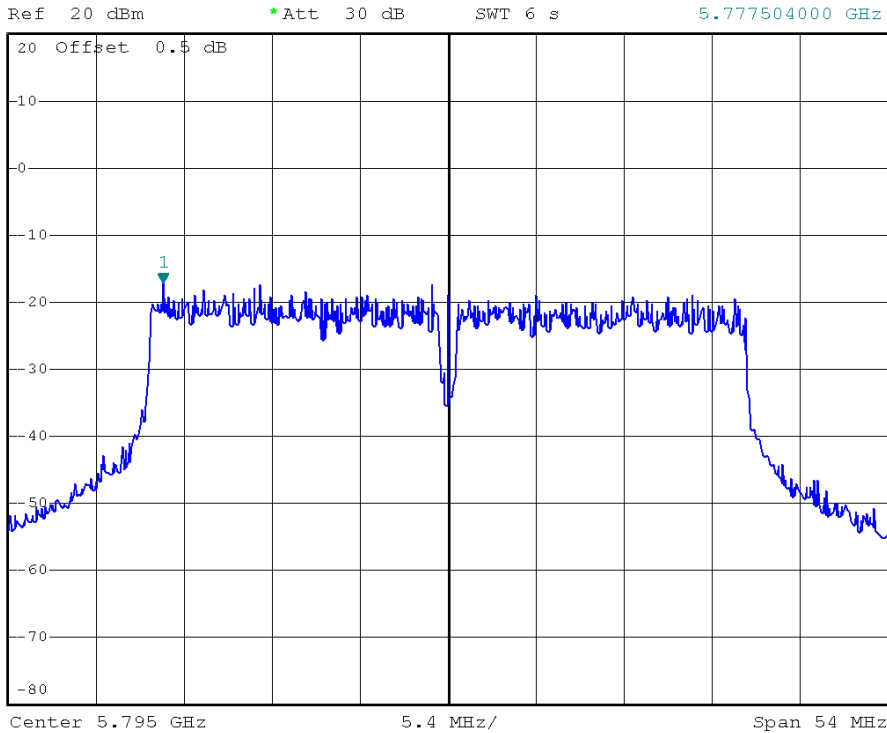
*RBW 3 kHz Marker 1 [T1]
*VBW 10 kHz -17.08 dBm
SWT 6 s 5.743120000 GHz



IEEE 802.11n (40 MHz)/ANT.0/5795 MHz/Power Sepctral Density



*RBW 3 kHz Marker 1 [T1]
*VBW 10 kHz -17.11 dBm
SWT 6 s 5.777504000 GHz



**Neutron Engineering Inc.**

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)/ANT.1/5755 MHz, 5795 MHz		

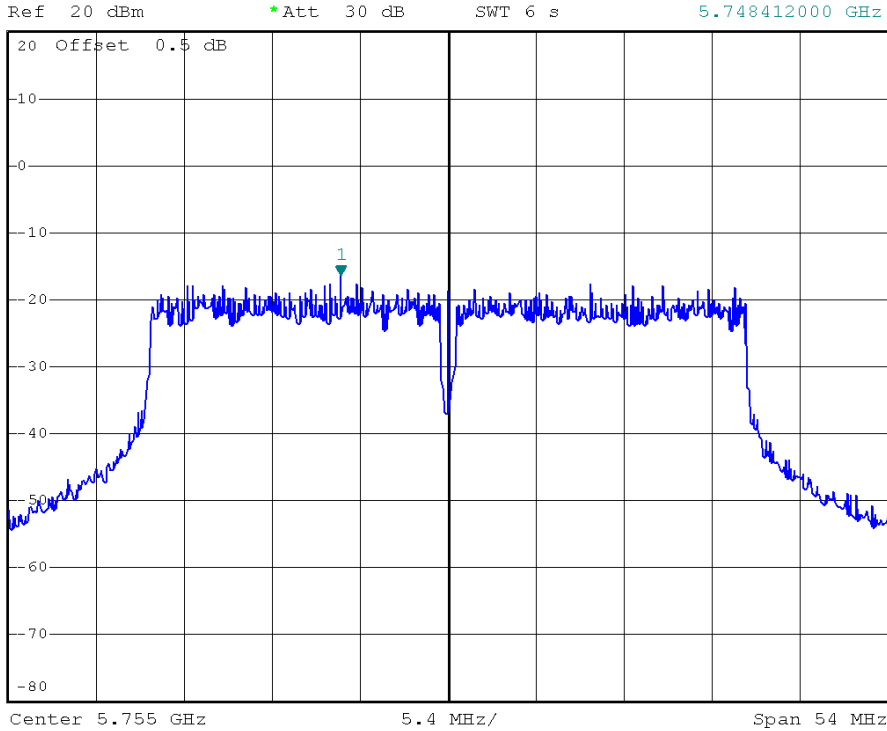
Frequency	Power Density (dBm)	Limit (dBm)	Result
5755 MHz	-16.47	8	PASS
5795 MHz	-17.25	8	PASS



IEEE 802.11n (40 MHz)/ANT.1/5755 MHz/Power Sepctral Density



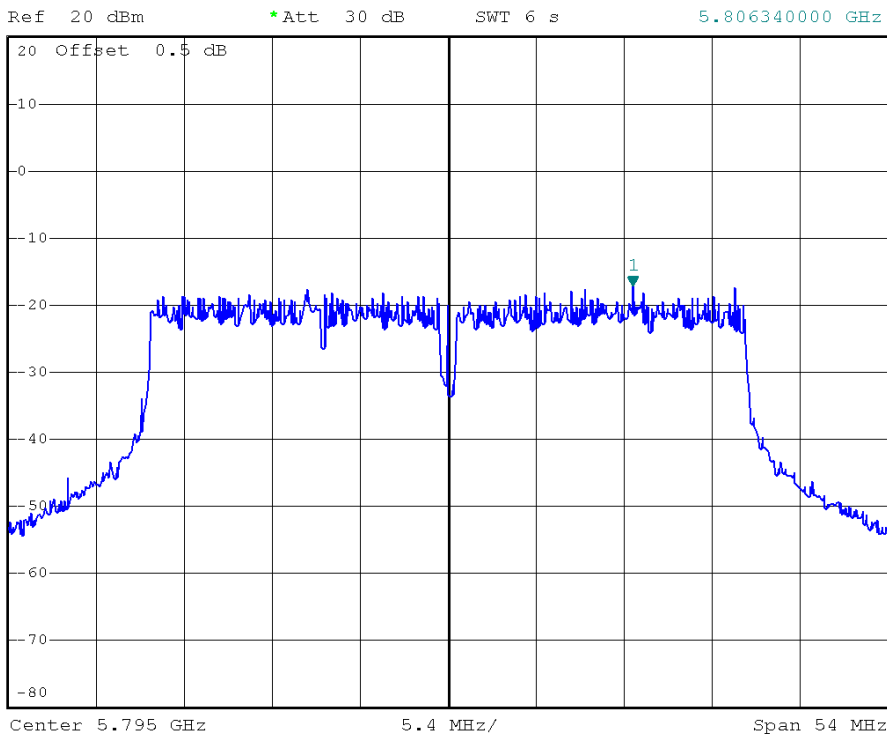
*RBW 3 kHz Marker 1 [T1]
*VBW 10 kHz -16.47 dBm
SWT 6 s 5.748412000 GHz



IEEE 802.11n (40 MHz)/ANT.1/5795 MHz/Power Sepctral Density



*RBW 3 kHz Marker 1 [T1]
*VBW 10 kHz -17.25 dBm
SWT 6 s 5.806340000 GHz



**Neutron Engineering Inc.**

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)/ANT.Total/5755 MHz, 5795 MHz		

Frequency	Power Density (dBm)	Limit (dBm)	Result
5755 MHz	5.00	8	PASS
5795 MHz	5.00	8	PASS



11 RF EXPOSURE COMPLIANCE

11.1 LIMIT

Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess limit for maximum permissible exposure. In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as a mobile device whereby a distance of 0.2 m normally can be maintained between the user and the device.

(A) Limits for Occupational / Controlled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842 / f	4.89 / f	(900 / f)*	6
30-300	61.4	0.163	1.0	6
300-1500			F/300	6
1500-100,000			5	6

(B) Limits for General Population / Uncontrolled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f)*	30
30-300	27.5	0.073	0.2	30
300-1500			F/1500	30
1500-100,000			1.0	30

NOTE: f = frequency in MHz ; *Plane-wave equivalent power density.

11.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Power Meter	Anritsu	ML2495A	1128008	Jul. 22, 2013
2	Power Meter Sensor	Anritsu	MA2411B	1126001	Jul. 22, 2013

NOTE: **N/A**: denotes No Model Name, No Serial No. or No Calibration specified.

11.3 MPE CALCULATION METHOD

$$E \text{ (V/m)} = \frac{\sqrt{30 \times P \times G}}{d} \qquad \text{Power Density: } Pd \text{ (W/m}^2\text{)} = \frac{E^2}{377}$$

E = Electric field (V/m)

P = Peak RF output power (W)

G = EUT Antenna numeric gain (numeric)

d = Separation distance between radiator and human body (m)

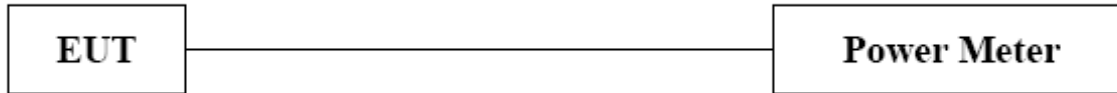
The formula can be changed to

$$Pd = \frac{30 \times P \times G}{377 \times d^2}$$

From the peak EUT RF output power, the minimum mobile separation distance, d=0.2m, as well as the gain of the used antenna, the RF power density can be obtained



11.4 TEST SETUP LAYOUT



11.5 DEVIATION FROM TEST STANDARD

No deviation

11.6 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.



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11.7 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, 2437 MHz, 2462 MHz		

Frequency	Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Result
2412 MHz	2.26	1.6827	16.6400	46.1318	0.015451	1	PASS
2437 MHz	2.26	1.6827	16.2200	41.8794	0.014027	1	PASS
2462 MHz	2.26	1.6827	16.0400	40.1791	0.013457	1	PASS



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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, 2437 MHz, 2462 MHz		

Frequency	Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Result
2412 MHz	2.26	1.6827	21.3500	136.4583	0.045704	1	PASS
2437 MHz	2.26	1.6827	21.2300	132.7394	0.044458	1	PASS
2462 MHz	2.26	1.6827	20.9800	125.3141	0.041971	1	PASS



Neutron Engineering Inc.

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)/ANT.0/2412 MHz, 2437 MHz, 2462 MHz		

Frequency	Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Result
2412 MHz	2.26	1.6827	20.0200	100.4616	0.033647	1	PASS
2437 MHz	2.26	1.6827	19.2600	84.3335	0.028246	1	PASS
2462 MHz	2.26	1.6827	19.4500	88.1049	0.029509	1	PASS



Neutron Engineering Inc.

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)/ANT.1/2412 MHz, 2437 MHz, 2462 MHz		

Frequency	Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Result
2412 MHz	1.70	1.4791	20.0500	101.1579	0.029782	1	PASS
2437 MHz	1.70	1.4791	19.3700	86.4968	0.025465	1	PASS
2462 MHz	1.70	1.4791	19.0700	80.7235	0.023766	1	PASS



Neutron Engineering Inc.

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)/ANT.Total/2412 MHz, 2437 MHz, 2462 MHz		

Frequency	Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Result
2412 MHz	3.96	2.4889	23.0453	201.6195	0.099881	1	PASS
2437 MHz	3.96	2.4889	22.3256	170.8303	0.084628	1	PASS
2462 MHz	3.96	2.4889	22.2745	168.8284	0.083636	1	PASS



Neutron Engineering Inc.

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)/ANT.0/2422 MHz, 2437 MHz, 2452 MHz		

Frequency	Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Result
2422 MHz	2.26	1.6827	16.7900	47.7529	0.015994	1	PASS
2437 MHz	2.26	1.6827	16.3200	42.8549	0.014353	1	PASS
2452 MHz	2.26	1.6827	16.4000	43.6516	0.014620	1	PASS



Neutron Engineering Inc.

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)/ANT.1/2422 MHz, 2437 MHz, 2452 MHz		

Frequency	Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Result
2422 MHz	1.70	1.4791	17.1600	51.9996	0.015309	1	PASS
2437 MHz	1.70	1.4791	16.5200	44.8745	0.013211	1	PASS
2452 MHz	1.70	1.4791	16.4700	44.3609	0.013060	1	PASS



Neutron Engineering Inc.

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)/ANT.Total/2422 MHz, 2437 MHz, 2452 MHz		

Frequency	Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Result
2422 MHz	3.96	2.4889	19.9892	99.7525	0.049417	1	PASS
2437 MHz	3.96	2.4889	19.4315	87.7294	0.043461	1	PASS
2452 MHz	3.96	2.4889	19.4454	88.0124	0.043601	1	PASS



Neutron Engineering Inc.

11.8 TEST RESULTS - 5745-5825 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 802.11a/5745 MHz, 5785 MHz, 5825 MHz		

Frequency	Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Result
5745 MHz	4.95	3.1261	21.0900	128.5287	0.079974	1	PASS
5785 MHz	4.95	3.1261	20.7600	119.1242	0.074123	1	PASS
5825 MHz	4.95	3.1261	20.6500	116.1449	0.072269	1	PASS



Neutron Engineering Inc.

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)/ANT.0/5745 MHz, 5785 MHz, 5825 MHz		

Frequency	Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Result
5745 MHz	4.29	2.6853	20.9100	123.3105	0.065910	1	PASS
5785 MHz	4.29	2.6853	20.9800	125.3141	0.066981	1	PASS
5825 MHz	4.29	2.6853	20.7000	117.4898	0.062799	1	PASS



Neutron Engineering Inc.

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)/ANT.1/5745 MHz, 5785 MHz, 5825 MHz		

Frequency	Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Result
5745 MHz	4.95	3.1261	21.3300	135.8313	0.084518	1	PASS
5785 MHz	4.95	3.1261	20.6500	116.1449	0.072269	1	PASS
5825 MHz	4.95	3.1261	20.9500	124.4515	0.077437	1	PASS



Neutron Engineering Inc.

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)/ANT.Total/5745 MHz, 5785 MHz, 5825 MHz		

Frequency	Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Result
5745 MHz	9.24	8.3946	24.1354	259.1418	0.433000	1	PASS
5785 MHz	9.24	8.3946	23.8284	241.4590	0.403454	1	PASS
5825 MHz	9.24	8.3946	23.8371	241.9412	0.404259	1	PASS



Neutron Engineering Inc.

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)/ANT.0/5755 MHz, 5795 MHz		

Frequency	Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Result
5755 MHz	4.29	2.6853	20.6600	116.4126	0.062223	1	PASS
5795 MHz	4.29	2.6853	20.4800	111.6863	0.059697	1	PASS



Neutron Engineering Inc.

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)/ANT.1/5755 MHz, 5795 MHz		

Frequency	Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Result
5755 MHz	4.95	3.1261	20.7600	119.1242	0.074123	1	PASS
5795 MHz	4.95	3.1261	20.2200	105.1962	0.065456	1	PASS



Neutron Engineering Inc.

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)/ANT.Total/5755 MHz, 5795 MHz		

Frequency	Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Result
5755 MHz	9.24	8.3946	23.7206	235.5368	0.393558	1	PASS
5795 MHz	9.24	8.3946	23.3622	216.8825	0.362389	1	PASS