

## 802.11b 2437MHz Horizontal polarizations

	Preamp Freq	Factor	Read Level	CableAntenna Loss	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dB	dB/m	dBuV/m	dBuV/m	dB	
1	4874.00	27.53	30.95	12.14	33.11	48.67	74.00	-25.33	Peak
2	7311.00	27.96	22.34	16.62	37.32	48.32	74.00	-25.68	Peak
3	8786.00	28.33	18.50	16.83	37.14	44.14	74.00	-29.86	Peak
4	10282.00	28.83	18.49	17.02	38.85	45.53	74.00	-28.47	Peak
5	12951.00	29.19	17.43	18.17	40.58	46.99	74.00	-27.01	Peak
6	13818.00	29.36	13.35	19.14	43.32	46.45	74.00	-27.55	Peak

## 802.11b 2462MHz Horizontal polarizations

	Preamp Freq	Factor	Read Level	CableAntenna Loss	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dB	dB/m	dBuV/m	dBuV/m	dB	
1	4924.00	27.56	30.64	12.28	33.23	48.59	74.00	-25.41	Peak
2	7386.00	27.98	22.33	16.62	37.36	48.33	74.00	-25.67	Peak
3	10452.00	28.85	15.78	17.06	39.12	43.11	74.00	-30.89	Peak
4	11115.00	28.91	14.32	17.19	39.59	42.19	74.00	-31.81	Peak
5	13648.00	29.33	11.36	18.96	43.15	44.14	74.00	-29.86	Peak
6	15739.00	29.66	14.53	20.47	39.32	44.66	74.00	-29.34	Peak

## 802.11b 2462MHz Vertical polarizations

	Preamp Freq	Factor	Read Level	CableAntenna Loss	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dB	dB/m	dBuV/m	dBuV/m	dB	
1	4924.00	27.56	30.16	12.28	33.23	48.11	74.00	-25.89	Peak
2	7386.00	27.98	21.61	16.62	37.36	47.61	74.00	-26.39	Peak
3	10282.00	28.83	19.49	17.02	38.85	46.53	74.00	-27.47	Peak
4	11353.00	28.94	17.45	17.24	39.78	45.53	74.00	-28.47	Peak
5	12951.00	29.19	18.43	18.17	40.58	47.99	74.00	-26.01	Peak
6	13818.00	29.36	12.35	19.14	43.32	45.45	74.00	-28.55	Peak

## 802.11g 2412MHz Vertical polarizations

	Preamp Freq	Read Factor	CableAntenna Loss	Antenna Factor	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dB/m	dBuV/m	dBuV/m	dB	
1	4824.00	27.50	31.62	12.01	32.99	49.12	74.00	-24.88 Peak
2	7236.00	27.95	22.14	16.61	37.30	48.10	74.00	-25.90 Peak
3	8446.00	28.23	17.26	16.76	36.76	42.55	74.00	-31.45 Peak
4	10333.00	28.83	17.49	17.03	38.93	44.62	74.00	-29.38 Peak
5	11115.00	28.91	16.32	17.19	39.59	44.19	74.00	-29.81 Peak
6	13648.00	29.33	13.36	18.96	43.15	46.14	74.00	-27.86 Peak

## 802.11g 2412MHz Horizontal polarizations

	Preamp Freq	Read Factor	CableAntenna Loss	Antenna Factor	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dB/m	dBuV/m	dBuV/m	dB	
1	4824.00	27.50	31.17	12.01	32.99	48.67	74.00	-25.33 Peak
2	7236.00	27.95	21.79	16.61	37.30	47.75	74.00	-26.25 Peak
3	8786.00	28.33	18.50	16.83	37.14	44.14	74.00	-29.86 Peak
4	10282.00	28.83	18.49	17.02	38.85	45.53	74.00	-28.47 Peak
5	11914.00	28.99	18.01	17.35	39.49	45.86	74.00	-28.14 Peak
6	12951.00	29.19	15.43	18.17	40.58	44.99	74.00	-29.01 Peak

## 802.11g 2437MHz Vertical polarizations

	Preamp Freq	Read Factor	CableAntenna Loss	Antenna Factor	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dB/m	dBuV/m	dBuV/m	dB	
1	4874.00	27.53	31.39	12.14	33.11	49.11	74.00	-24.89 Peak
2	7311.00	27.96	22.08	16.62	37.32	48.06	74.00	-25.94 Peak
3	8752.00	28.32	19.01	16.83	37.10	44.62	74.00	-29.38 Peak
4	9823.00	28.73	19.31	16.95	38.26	45.79	74.00	-28.21 Peak
5	12917.00	29.18	16.87	18.14	40.50	46.33	74.00	-27.67 Peak
6	13223.00	29.24	15.80	18.46	41.73	46.75	74.00	-27.25 Peak

## 802.11g 2437MHz Horizontal polarizations

	Preamp Freq	Read Factor	CableAntenna Level	Loss Factor	Antenna Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dB	dB/m	dBuV/m	dBuV/m	dB
1	4874.00	27.53	30.47	12.14	33.11	48.19	74.00	-25.81 Peak
2	7311.00	27.96	21.63	16.62	37.32	47.61	74.00	-26.39 Peak
3	10282.00	28.83	17.49	17.02	38.85	44.53	74.00	-29.47 Peak
4	12917.00	29.18	15.61	18.14	40.50	45.07	74.00	-28.93 Peak
5	13818.00	29.36	12.35	19.14	43.32	45.45	74.00	-28.55 Peak
6	16011.00	29.71	15.63	20.64	40.40	46.96	74.00	-27.04 Peak

## 802.11g 2462MHz Horizontal polarizations

	Preamp Freq	Read Factor	CableAntenna Level	Loss Factor	Antenna Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dB	dB/m	dBuV/m	dBuV/m	dB
1	4924.00	27.56	31.72	12.28	33.23	49.67	74.00	-24.33 Peak
2	7386.00	27.98	21.53	16.62	37.36	47.53	74.00	-26.47 Peak
3	10656.00	28.87	17.90	17.10	39.29	45.42	74.00	-28.58 Peak
4	12917.00	29.18	16.87	18.14	40.50	46.33	74.00	-27.67 Peak
5	13648.00	29.33	12.36	18.96	43.15	45.14	74.00	-28.86 Peak
6	15535.00	29.63	17.37	20.34	38.53	46.61	74.00	-27.39 Peak

## 802.11g 2462MHz Vertical polarizations

	Preamp Freq	Read Factor	CableAntenna Level	Loss Factor	Antenna Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dB	dB/m	dBuV/m	dBuV/m	dB
1	4924.00	27.56	31.42	12.28	33.23	49.37	74.00	-24.63 Peak
2	7386.00	27.98	21.67	16.62	37.36	47.67	74.00	-26.33 Peak
3	8786.00	28.33	17.50	16.83	37.14	43.14	74.00	-30.86 Peak
4	11353.00	28.94	17.45	17.24	39.78	45.53	74.00	-28.47 Peak
5	12951.00	29.19	14.43	18.17	40.58	43.99	74.00	-30.01 Peak
6	15331.00	29.60	15.67	20.21	38.43	44.71	74.00	-29.29 Peak

## 802.11n(HT20) 2412MHz Vertical polarizations

	Freq	Preamp Factor	Read Level	Cable Loss	Antenna Factor	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dB	dB/m	dBuV/m	dBuV/m	dB	
1	4824.00	27.50	31.28	12.01	32.99	48.78	74.00	-25.22	Peak
2	7236.00	27.95	21.80	16.61	37.30	47.76	74.00	-26.24	Peak
3	9517.00	28.61	16.02	16.92	38.01	42.34	74.00	-31.66	Peak
4	10333.00	28.83	16.49	17.03	38.93	43.62	74.00	-30.38	Peak
5	13104.00	29.22	14.24	18.34	41.18	44.54	74.00	-29.46	Peak
6	14107.00	29.42	10.04	19.43	42.90	42.95	74.00	-31.05	Peak

## 802.11n(HT20) 2412MHz Horizontal polarizations

	Freq	Preamp Factor	Read Level	Cable Loss	Antenna Factor	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dB	dB/m	dBuV/m	dBuV/m	dB	
1	4824.00	27.50	32.35	12.01	32.99	49.85	74.00	-24.15	Peak
2	7236.00	27.95	22.77	16.61	37.30	48.73	74.00	-25.27	Peak
3	8786.00	28.33	17.50	16.83	37.14	43.14	74.00	-30.86	Peak
4	10282.00	28.83	18.49	17.02	38.85	45.53	74.00	-28.47	Peak
5	11914.00	28.99	18.01	17.35	39.49	45.86	74.00	-28.14	Peak
6	12951.00	29.19	17.43	18.17	40.58	46.99	74.00	-27.01	Peak

## 802.11n(HT20) 2437MHz Vertical polarizations

	Freq	Preamp Factor	Read Level	Cable Loss	Antenna Factor	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dB	dB/m	dBuV/m	dBuV/m	dB	
1	4874.00	27.53	30.87	12.14	33.11	48.59	74.00	-25.41	Peak
2	7311.00	27.96	21.69	16.62	37.32	47.67	74.00	-26.33	Peak
3	9517.00	28.61	15.02	16.92	38.01	41.34	74.00	-32.66	Peak
4	10690.00	28.87	14.41	17.10	39.31	41.95	74.00	-32.05	Peak
5	12917.00	29.18	12.87	18.14	40.50	42.33	74.00	-31.67	Peak
6	15739.00	29.66	12.53	20.47	39.32	42.66	74.00	-31.34	Peak

## 802.11n(HT20) 2437MHz Horizontal polarizations

	Freq	Preamp Factor	Read Level	CableAntenna Loss	Antenna Factor	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dB	dB/m	dBuV/m	dBuV/m	dB	
1	4874.00	27.53	30.95	12.14	33.11	48.67	74.00	-25.33	Peak
2	7311.00	27.96	22.07	16.62	37.32	48.05	74.00	-25.95	Peak
3	10282.00	28.83	19.49	17.02	38.85	46.53	74.00	-27.47	Peak
4	11353.00	28.94	18.45	17.24	39.78	46.53	74.00	-27.47	Peak
5	12951.00	29.19	18.43	18.17	40.58	47.99	74.00	-26.01	Peak
6	13818.00	29.36	15.35	19.14	43.32	48.45	74.00	-25.55	Peak

## 802.11n(HT20) 2462MHz Horizontal polarizations

	Freq	Preamp Factor	Read Level	CableAntenna Loss	Antenna Factor	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dB	dB/m	dBuV/m	dBuV/m	dB	
1	4924.00	27.56	31.21	12.28	33.23	49.16	74.00	-24.84	Peak
2	7386.00	27.98	21.94	16.62	37.36	47.94	74.00	-26.06	Peak
3	8055.00	28.12	18.43	16.67	36.44	43.42	74.00	-30.58	Peak
4	10350.00	28.84	16.42	17.04	38.96	43.58	74.00	-30.42	Peak
5	10639.00	28.86	16.01	17.09	39.28	43.52	74.00	-30.48	Peak
6	13648.00	29.33	11.36	18.96	43.15	44.14	74.00	-29.86	Peak

## 802.11n(HT20) 2462MHz Vertical polarizations

	Freq	Preamp Factor	Read Level	CableAntenna Loss	Antenna Factor	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dB	dB/m	dBuV/m	dBuV/m	dB	
1	4924.00	27.56	30.29	12.28	33.23	48.24	74.00	-25.76	Peak
2	7386.00	27.98	21.19	16.62	37.36	47.19	74.00	-26.81	Peak
3	8786.00	28.33	16.50	16.83	37.14	42.14	74.00	-31.86	Peak
4	10282.00	28.83	18.49	17.02	38.85	45.53	74.00	-28.47	Peak
5	11353.00	28.94	18.45	17.24	39.78	46.53	74.00	-27.47	Peak
6	12951.00	29.19	17.43	18.17	40.58	46.99	74.00	-27.01	Peak

## 802.11n(HT40) 2422MHz Vertical polarizations

	Freq	Preamp Factor	Read Level	CableAntenna Loss	Antenna Factor	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dB	dB/m	dBuV/m	dBuV/m	dB	
1	4844.00	27.51	32.11	12.05	33.03	49.68	74.00	-24.32	Peak
2	7266.00	27.95	22.70	16.61	37.31	48.67	74.00	-25.33	Peak
3	9517.00	28.61	19.02	16.92	38.01	45.34	74.00	-28.66	Peak
4	10333.00	28.83	18.49	17.03	38.93	45.62	74.00	-28.38	Peak
5	12917.00	29.18	15.87	18.14	40.50	45.33	74.00	-28.67	Peak
6	13648.00	29.33	13.36	18.96	43.15	46.14	74.00	-27.86	Peak

## 802.11n(HT40) 2422MHz Horizontal polarizations

	Freq	Preamp Factor	Read Level	CableAntenna Loss	Antenna Factor	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dB	dB/m	dBuV/m	dBuV/m	dB	
1	4844.00	27.51	31.79	12.05	33.03	49.36	74.00	-24.64	Peak
2	7266.00	27.95	21.61	16.61	37.31	47.58	74.00	-26.42	Peak
3	8786.00	28.33	19.50	16.83	37.14	45.14	74.00	-28.86	Peak
4	10282.00	28.83	18.49	17.02	38.85	45.53	74.00	-28.47	Peak
5	11353.00	28.94	17.45	17.24	39.78	45.53	74.00	-28.47	Peak
6	12951.00	29.19	17.43	18.17	40.58	46.99	74.00	-27.01	Peak

## 802.11n(HT40) 2437MHz Vertical polarizations

	Freq	Preamp Factor	Read Level	CableAntenna Loss	Antenna Factor	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dB	dB/m	dBuV/m	dBuV/m	dB	
1	4874.00	27.53	31.46	12.14	33.11	49.18	74.00	-24.82	Peak
2	7311.00	27.96	22.23	16.62	37.32	48.21	74.00	-25.79	Peak
3	9517.00	28.61	18.02	16.92	38.01	44.34	74.00	-29.66	Peak
4	10333.00	28.83	18.49	17.03	38.93	45.62	74.00	-28.38	Peak
5	12305.00	29.06	16.86	17.62	39.46	44.88	74.00	-29.12	Peak
6	12917.00	29.18	16.87	18.14	40.50	46.33	74.00	-27.67	Peak

## 802.11n(HT40) 2437MHz Horizontal polarizations

	Freq	Preamp Factor	Read Level	Cable Loss	Antenna Factor	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dB	dB/m	dBuV/m	dBuV/m	dB	
1	4874.00	27.53	30.89	12.14	33.11	48.61	74.00	-25.39	Peak
2	7311.00	27.96	21.14	16.62	37.32	47.12	74.00	-26.88	Peak
3	8497.00	28.25	19.15	16.76	36.80	44.46	74.00	-29.54	Peak
4	10282.00	28.83	19.49	17.02	38.85	46.53	74.00	-27.47	Peak
5	11914.00	28.99	19.01	17.35	39.49	46.86	74.00	-27.14	Peak
6	13818.00	29.36	13.35	19.14	43.32	46.45	74.00	-27.55	Peak

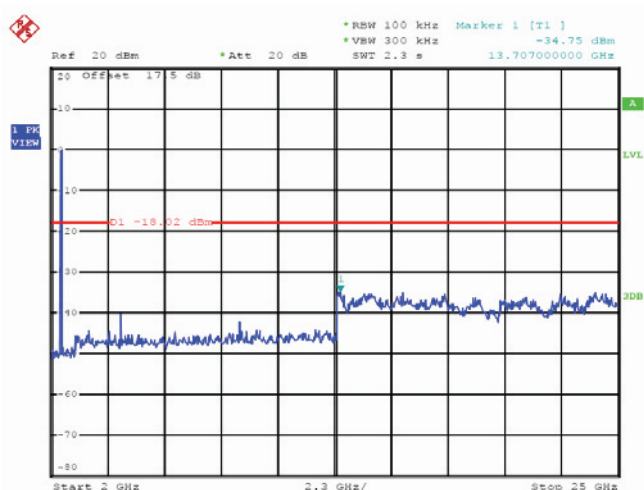
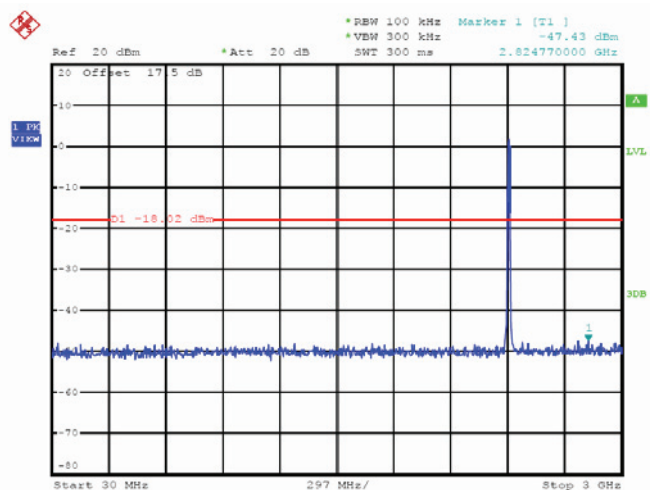
## 802.11n(HT40) 2452MHz Horizontal polarizations

	Freq	Preamp Factor	Read Level	Cable Loss	Antenna Factor	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dB	dB/m	dBuV/m	dBuV/m	dB	
1	4904.00	27.55	31.26	12.23	33.19	49.13	74.00	-24.87	Peak
2	7356.00	27.97	22.29	16.62	37.34	48.28	74.00	-25.72	Peak
3	9517.00	28.61	17.02	16.92	38.01	43.34	74.00	-30.66	Peak
4	10656.00	28.87	17.90	17.10	39.29	45.42	74.00	-28.58	Peak
5	13104.00	29.22	14.24	18.34	41.18	44.54	74.00	-29.46	Peak
6	13648.00	29.33	12.36	18.96	43.15	45.14	74.00	-28.86	Peak

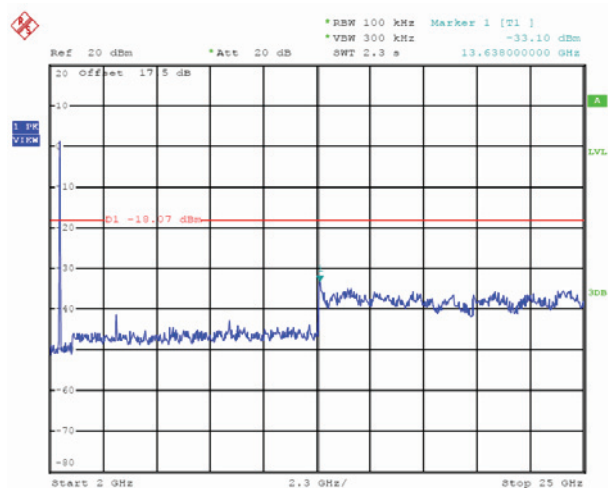
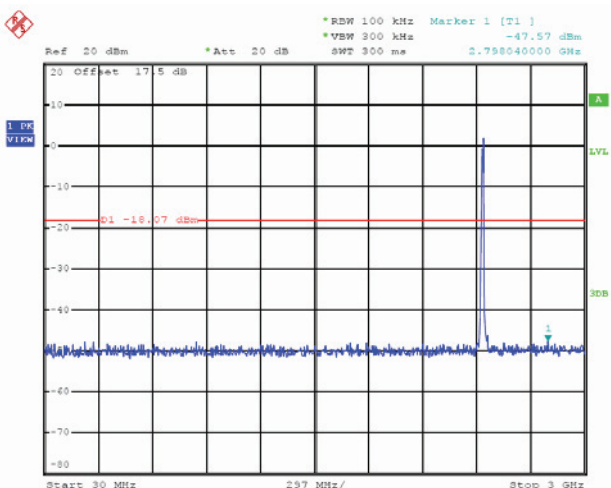
## 802.11n(HT40) 2452MHz Vertical polarizations

	Freq	Preamp Factor	Read Level	Cable Loss	Antenna Factor	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dB	dB/m	dBuV/m	dBuV/m	dB	
1	4904.00	27.55	30.42	12.23	33.19	48.29	74.00	-25.71	Peak
2	7356.00	27.97	21.70	16.62	37.34	47.69	74.00	-26.31	Peak
3	10282.00	28.83	19.49	17.02	38.85	46.53	74.00	-27.47	Peak
4	11914.00	28.99	19.01	17.35	39.49	46.86	74.00	-27.14	Peak
5	12951.00	29.19	17.43	18.17	40.58	46.99	74.00	-27.01	Peak
6	13818.00	29.36	14.35	19.14	43.32	47.45	74.00	-26.55	Peak

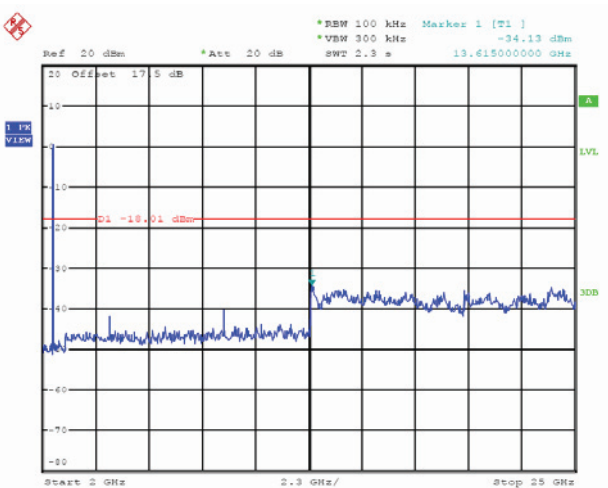
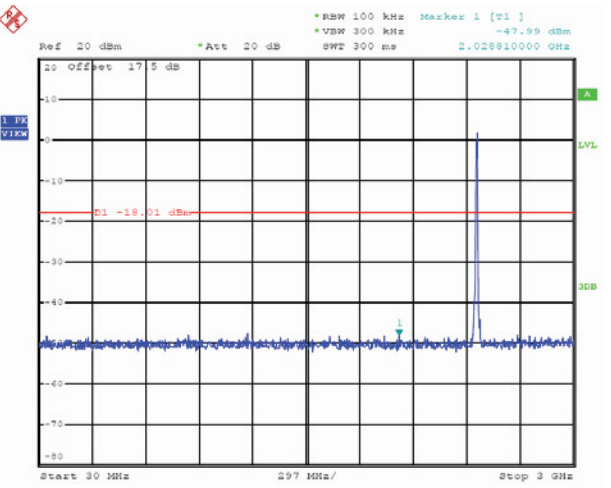
**For conducted test  
802.11b 2412MHz**



**802.11b 2437MHz**

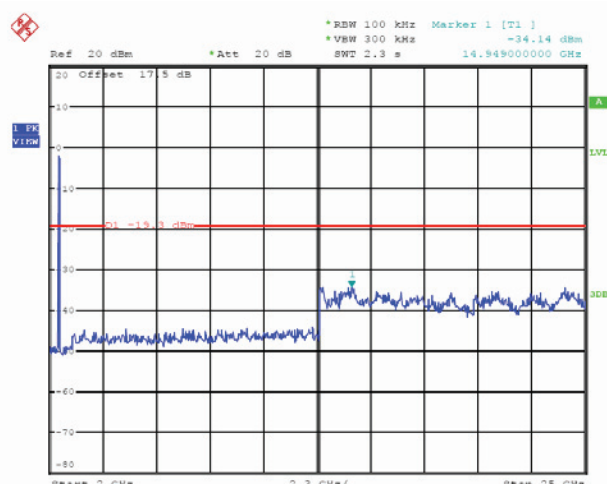
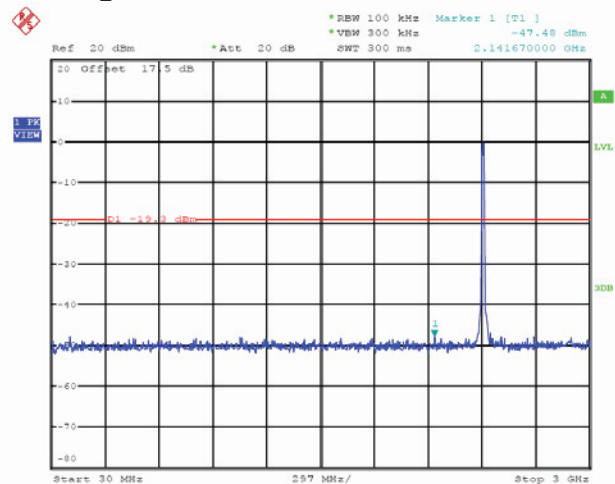


**802.11b 2462MHz**

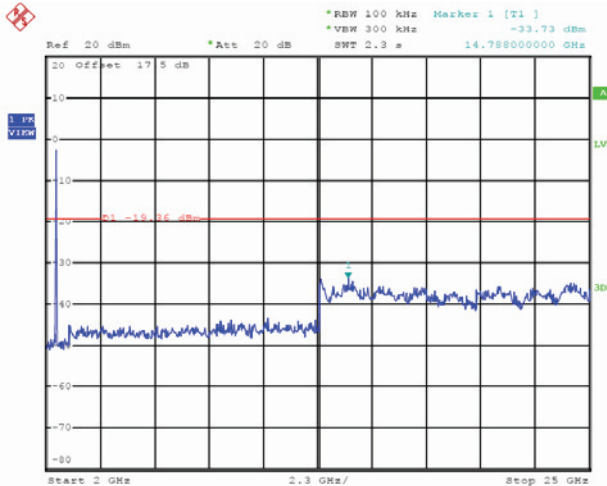
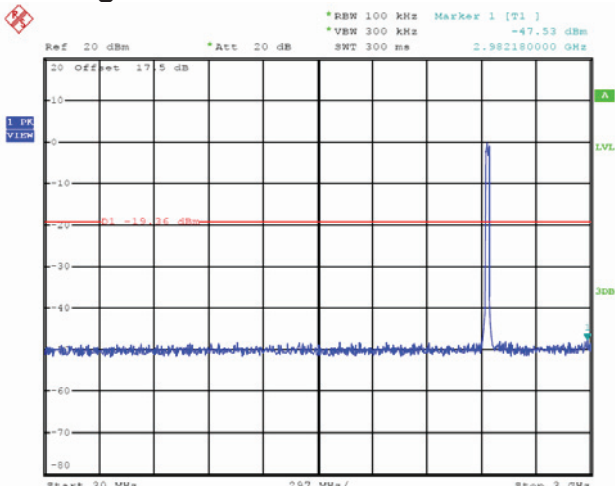




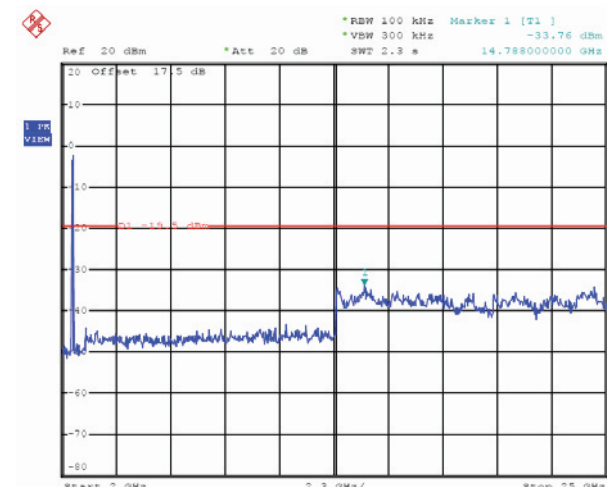
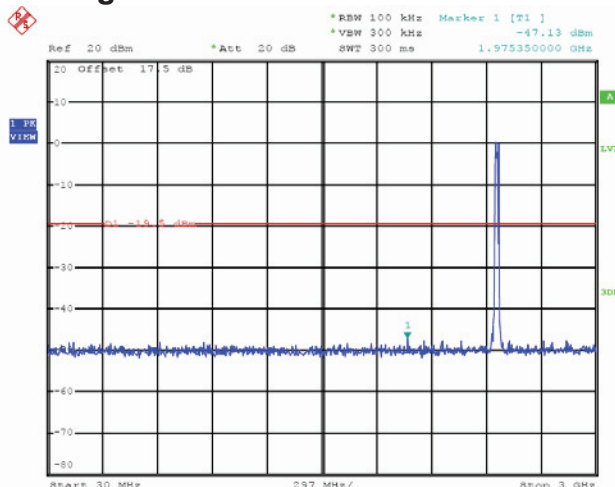
### 802.11g 2412MHz



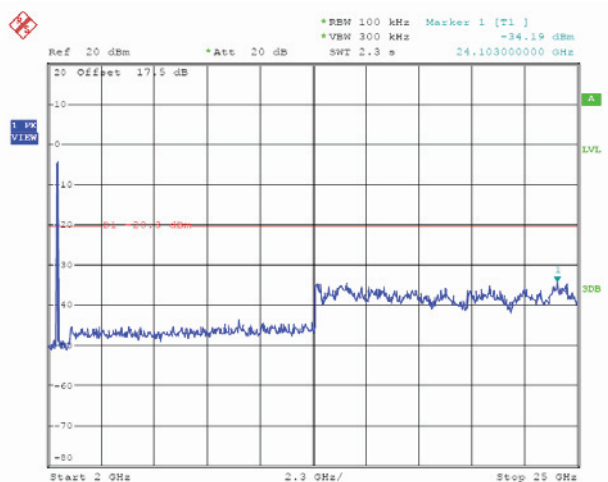
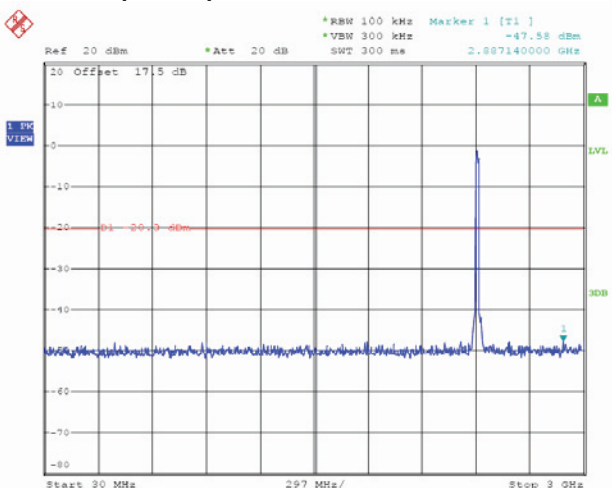
### 802.11g 2437MHz



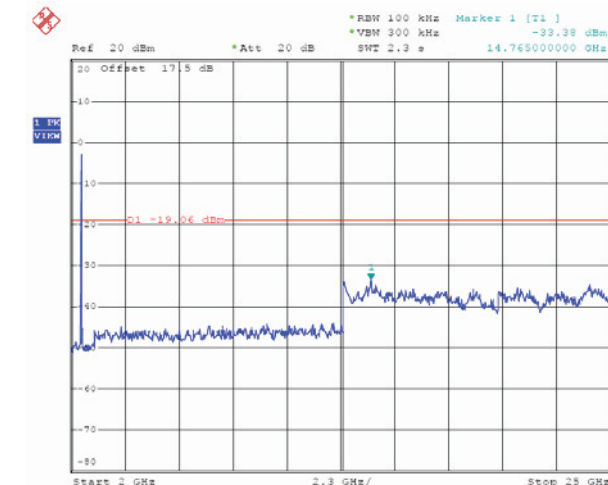
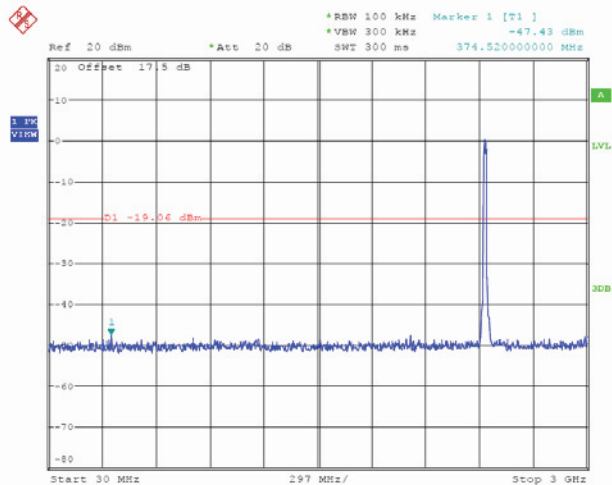
### 802.11g 2462MHz



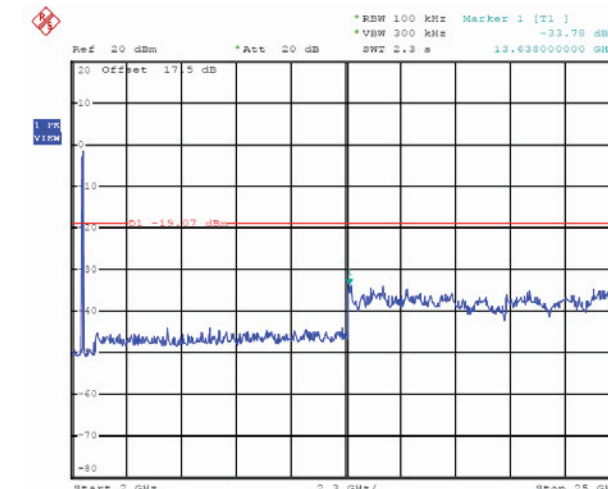
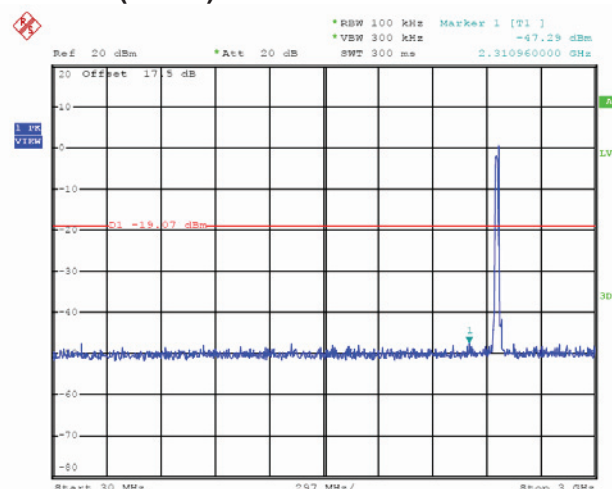
### 802.11n(HT20) 2412MHz



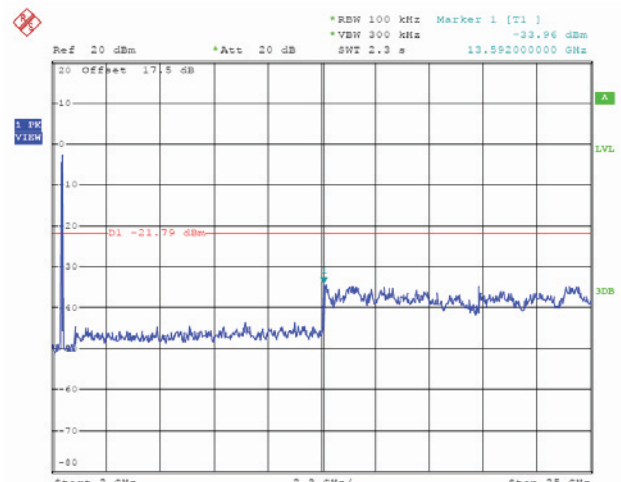
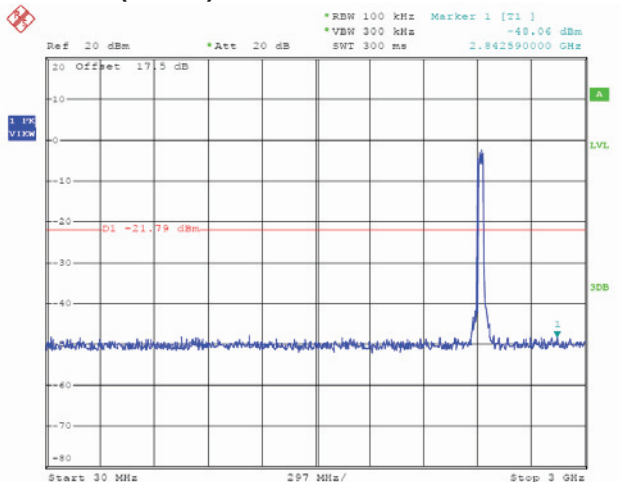
### 802.11n(HT20) 2437MHz



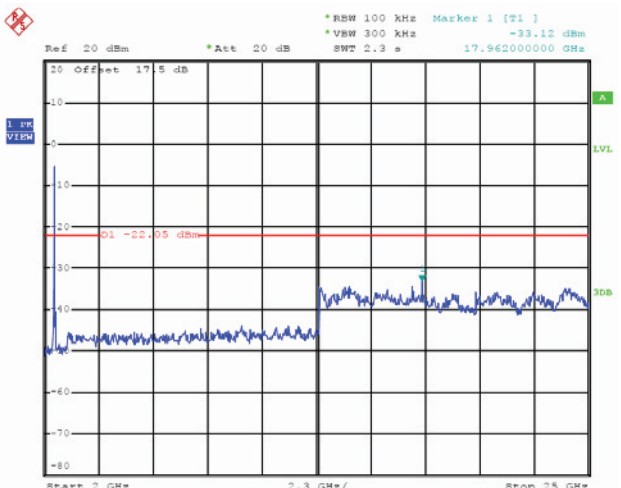
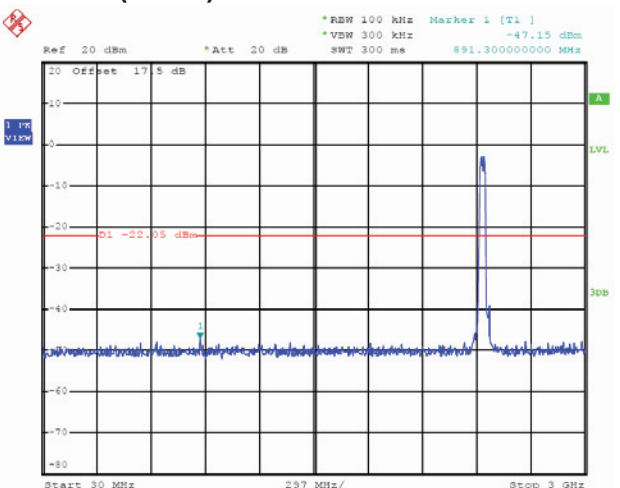
### 802.11n(HT20) 2462MHz



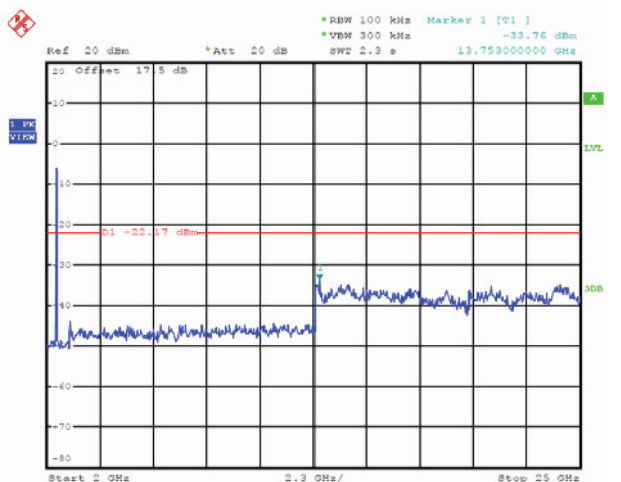
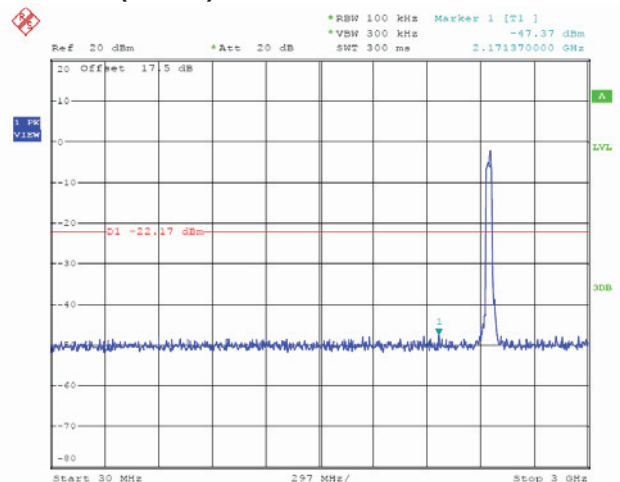
### 802.11n(HT40) 2422MHz



### 802.11n(HT40) 2437MHz



### 802.11n(HT40) 2452MHz



## 6. BAND EDGE COMPLIANCE TEST

### 6.1. Limits

All the lower and upper band-edges emissions appearing within 2310MHz to 2390MHz and 2483.5MHz to 2500MHz restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions outside operation frequency band 2400MHz to 2483.5MHz shall be at least 30dB below the fundamental emissions, or comply with 15.209 limits.

### 6.2. Test setup

The EUT was placed on a turn table which was 0.8 m above the ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was set 3 m away from the receiving antenna which was mounted on an antenna tower. The measuring antenna moved up and down to find out the maximum emission level. It moved from 1 m to 4 m for both horizontal and vertical polarizations.

The bandwidth of the Spectrum's VBW is set at 3MHz and RBW is set at 1MHz for peak emissions measurement above 1GHz and 1MHz RBW, 10Hz VBW for average emissions measure.

For conduct test, VBW is set at 300kHz and RBW is set at 100kHz for measurement.

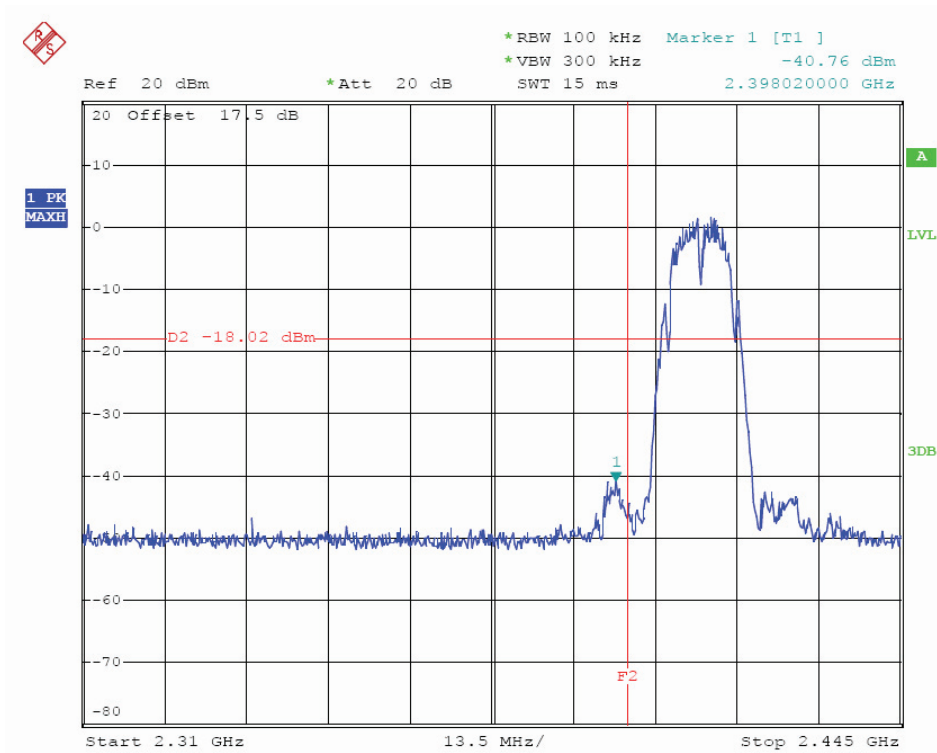
Note: 1. If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit.

2. For Both PK and AV value above 1GHz, PK detector is used.

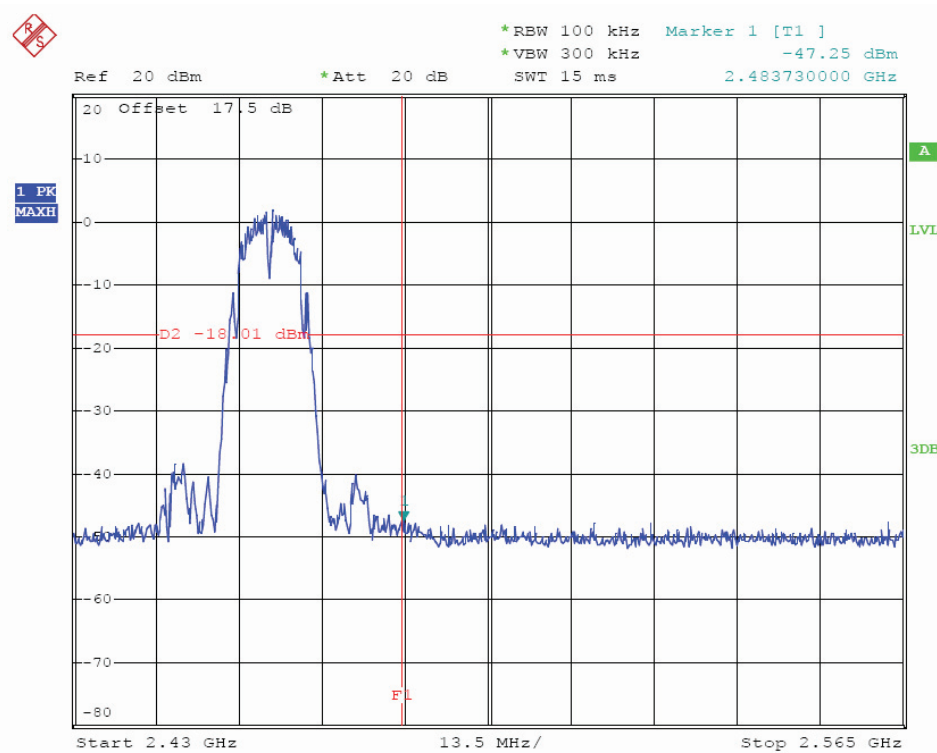
Remark : All emission out of band are more than 30dB lower than fundamental.

For conducted test as follows:

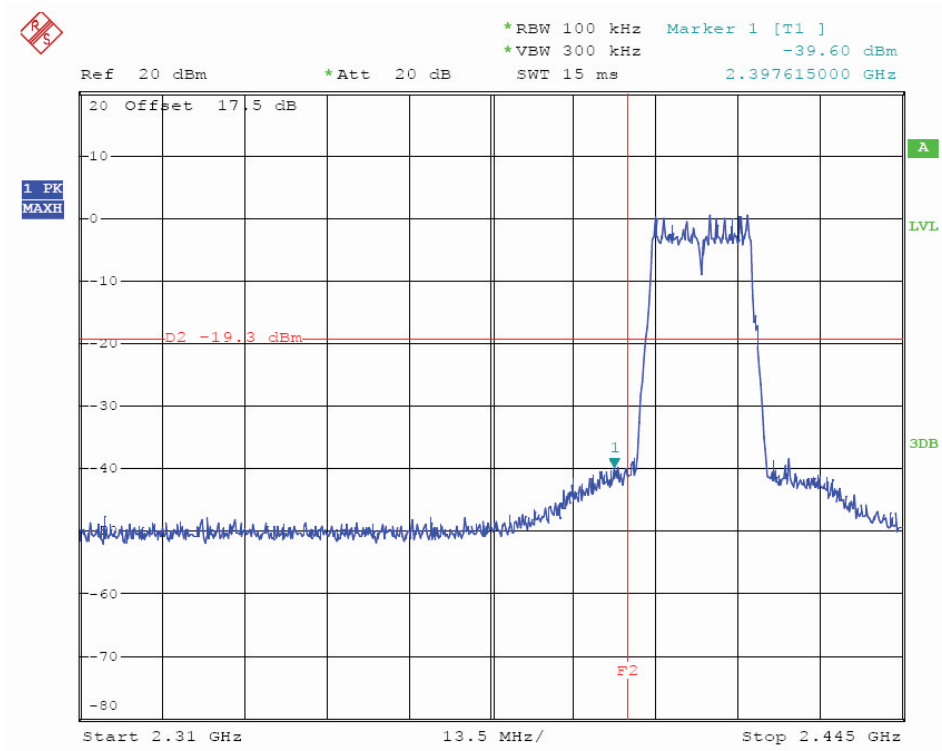
802.11b 2412MHz



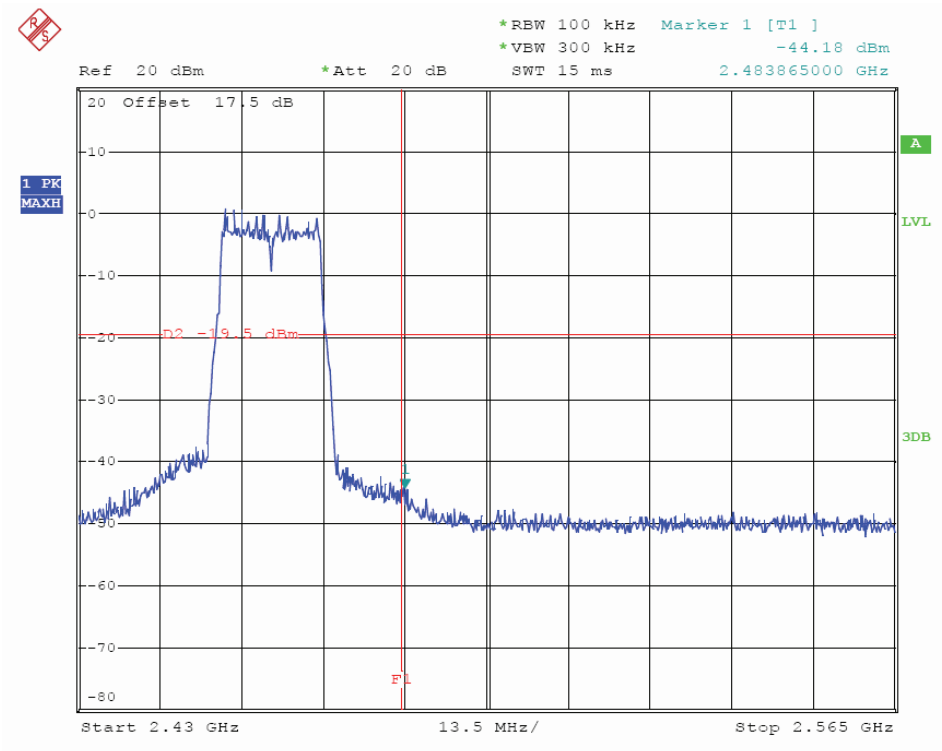
802.11b 2462MHz



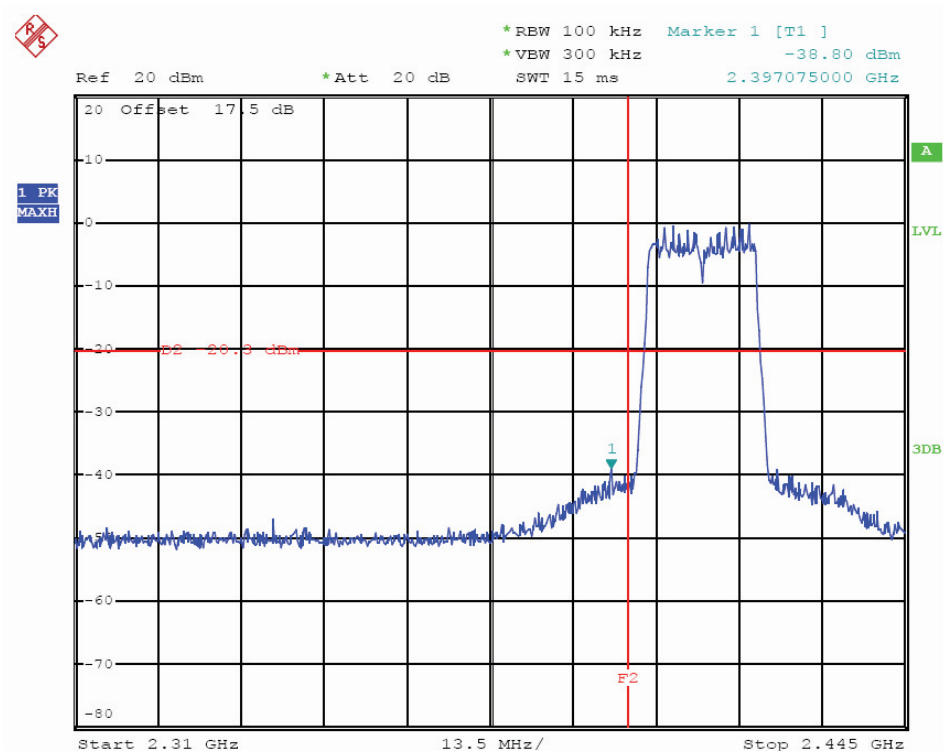
802.11g 2412MHz



802.11g 2462MHz



802.11n(HT20) 2412MHz



802.11n(HT20) 2462MHz

