

CHANNEL	Channel 9	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	BPSK	TRANSFER RATE	6Mbps
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 69%RH, 960hPa	TESTED BY	Sky Liao

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2452.00	106.60 PK			1.39 H	283	75.93	30.67
2	*2452.00	96.40 AV			1.39 H	283	65.73	30.67
3	2483.50	67.60 PK	74.00	-6.40	1.37 H	284	36.78	30.82
4	2483.50	49.73 AV	54.00	-4.27	1.37 H	284	18.91	30.82

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2452.00	106.30 PK			1.09 V	259	75.63	30.67
2	*2452.00	95.80 AV			1.09 V	259	65.13	30.67
3	2483.50	68.09 PK	74.00	-5.91	1.16 V	254	37.27	30.82
4	2483.50	50.00 AV	54.00	-4.00	1.16 V	254	19.18	30.82

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
 2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. The limit value is defined as per 15.247
 6. “ * “ : Fundamental frequency

CHANNEL	Channel 10	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	BPSK	TRANSFER RATE	6Mbps
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 69%RH, 960hPa	TESTED BY	Sky Liao

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2457.00	104.70 PK			1.29 H	282	74.00	30.70
2	*2457.00	93.90 AV			1.29 H	282	63.20	30.70
3	2483.50	67.34 PK	74.00	-6.66	1.37 H	284	36.52	30.82
4	2483.50	49.52 AV	54.00	-4.48	1.37 H	284	18.70	30.82

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2457.00	104.60 PK			1.07 V	260	73.90	30.70
2	*2457.00	94.00 AV			1.07 V	260	63.30	30.70
3	2483.50	67.82 PK	74.00	-6.18	1.15 V	254	37.00	30.82
4	2483.50	49.79 AV	54.00	-4.21	1.15 V	254	18.97	30.82

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
 2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. The limit value is defined as per 15.247
 6. “ * “ : Fundamental frequency

CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	BPSK	TRANSFER RATE	6Mbps
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 69%RH, 960hPa	TESTED BY	Sky Liao

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

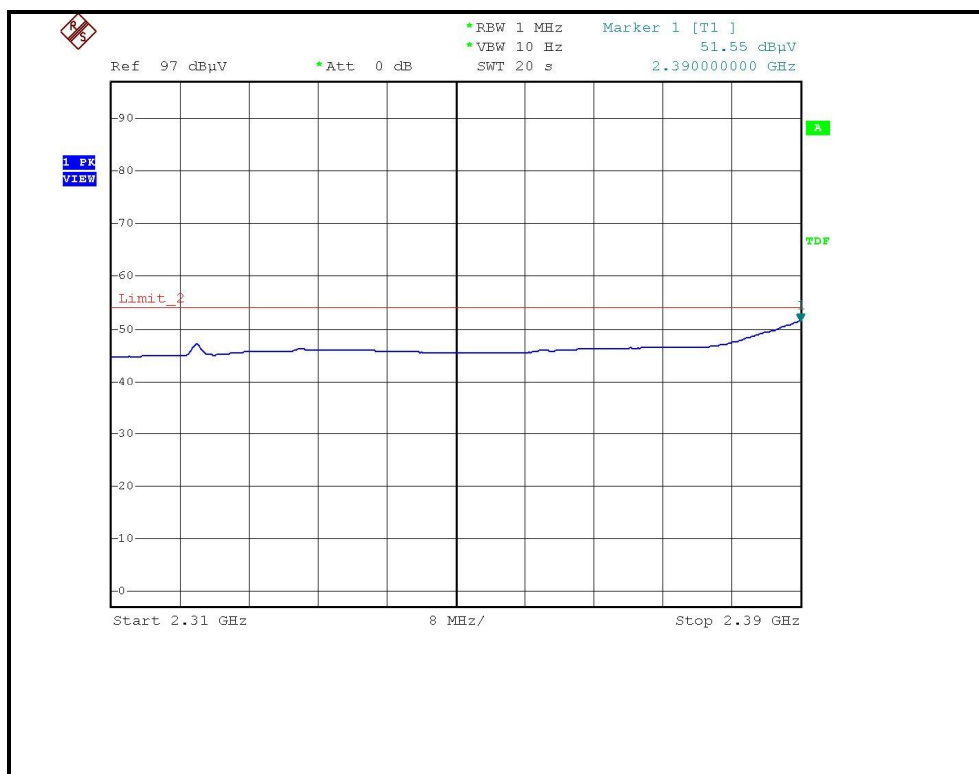
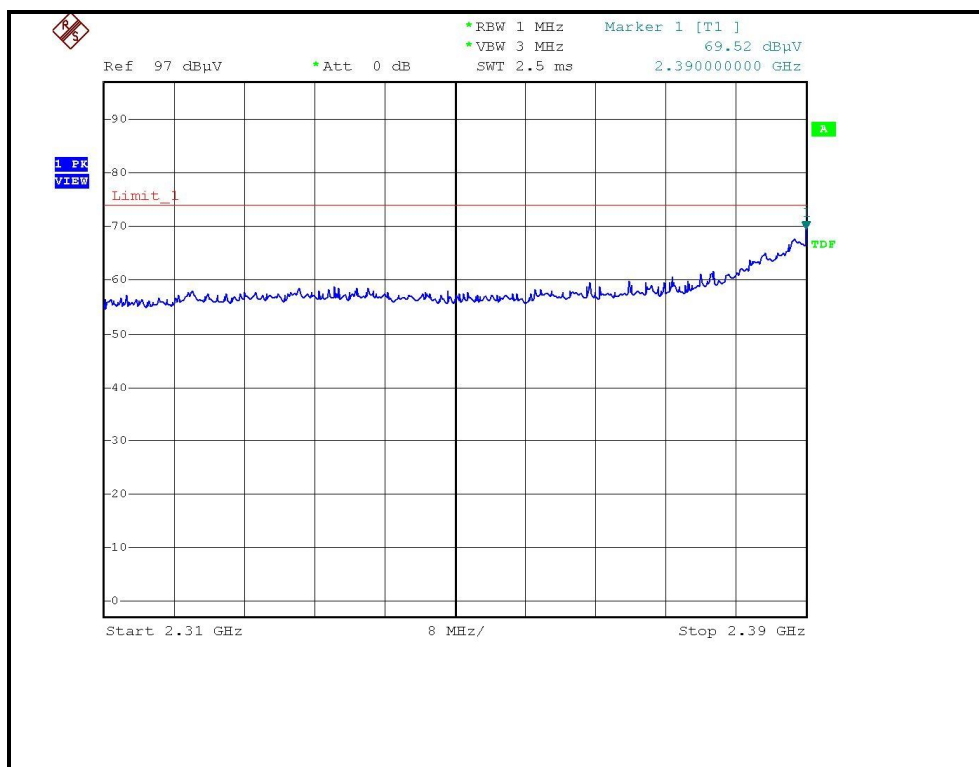
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1	*2462.00	103.40 PK			1.30 H	283	72.68	30.72
2	*2462.00	92.70 AV			1.30 H	283	61.98	30.72
3	2483.50	67.14 PK	74.00	-6.86	1.38 H	285	36.32	30.82
4	2483.50	48.95 AV	54.00	-5.05	1.38 H	285	18.13	30.82
5	4924.00	46.90 PK	74.00	-27.10	1.29 H	111	11.00	35.90
6	4924.00	35.70 AV	54.00	-18.30	1.29 H	111	-0.20	35.90
7	7386.00	52.70 PK	74.00	-21.30	1.26 H	320	9.90	42.80
8	7386.00	40.90 AV	54.00	-13.10	1.26 H	320	-1.90	42.80

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

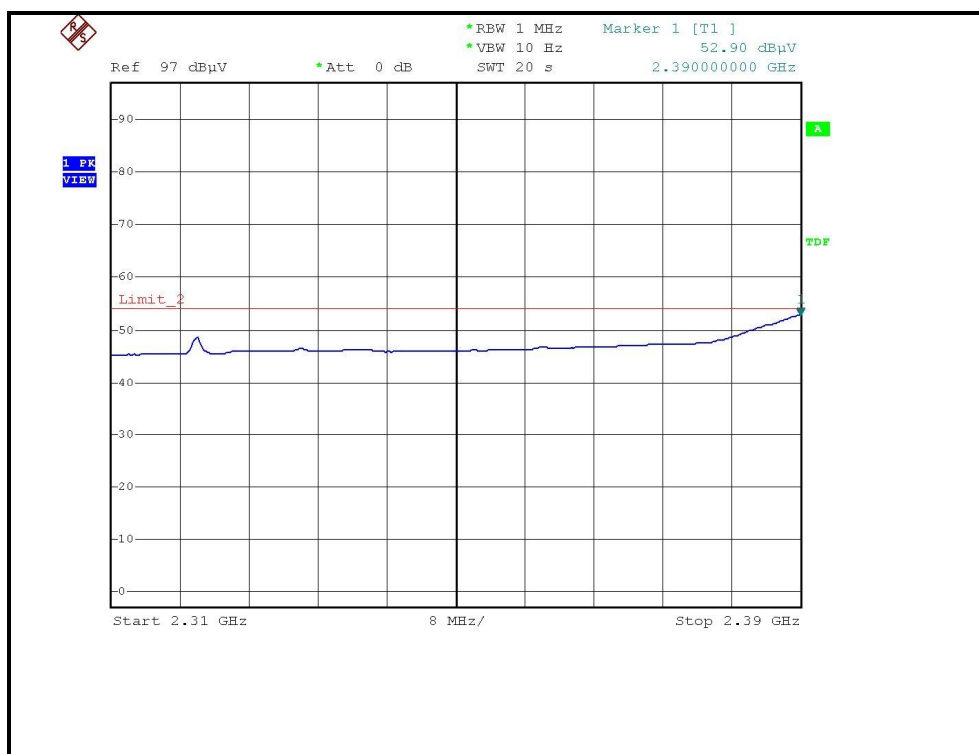
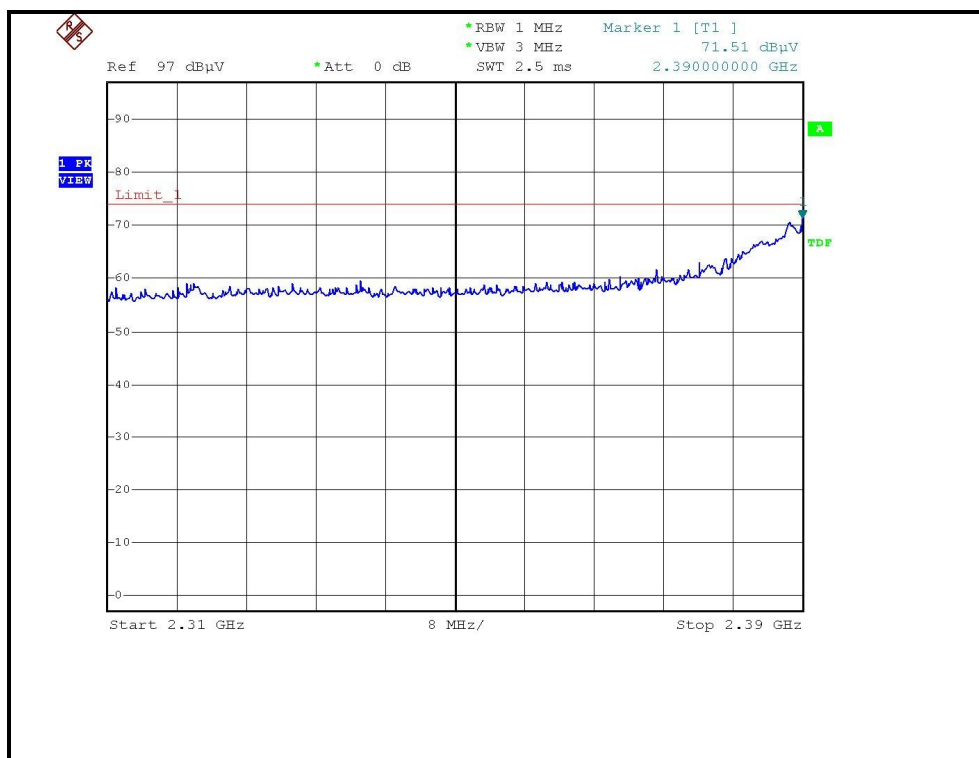
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1	*2462.00	103.10 PK			1.06 V	260	72.38	30.72
2	*2462.00	92.10 AV			1.06 V	260	61.38	30.72
3	2483.50	67.25 PK	74.00	-6.75	1.17 V	254	36.43	30.82
4	2483.50	49.15 AV	54.00	-4.85	1.17 V	254	18.33	30.82
5	4924.00	45.20 PK	74.00	-28.80	1.40 V	156	9.30	35.90
6	4924.00	34.10 AV	54.00	-19.90	1.40 V	156	-1.80	35.90
7	7386.00	53.20 PK	74.00	-20.80	1.20 V	266	10.40	42.80
8	7386.00	39.20 AV	54.00	-14.80	1.20 V	266	-3.60	42.80

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
 2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. The limit value is defined as per 15.247
 6. “ * “ : Fundamental frequency

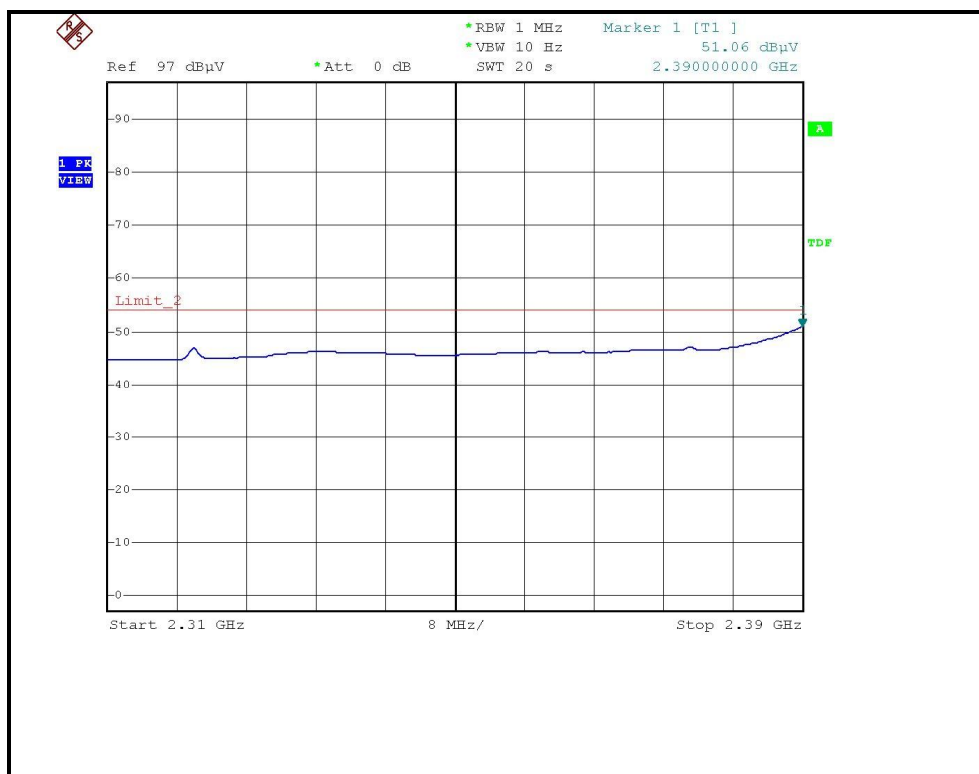
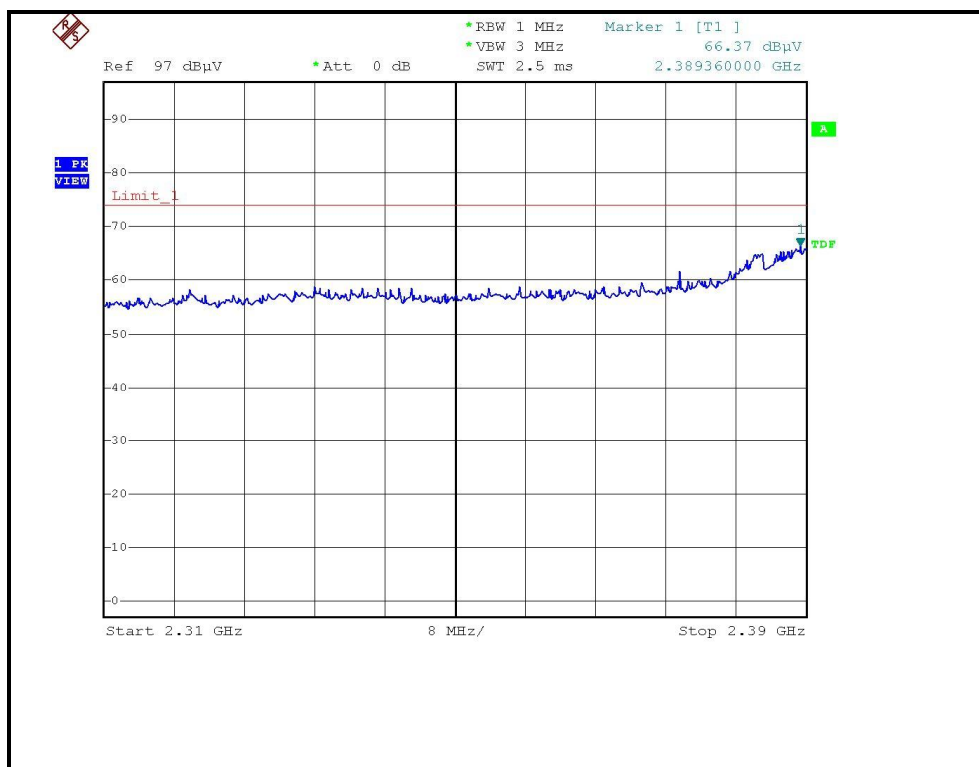
RESTRICTED BANDEDGE (802.11g MODE, CH1, HORIZONTAL)



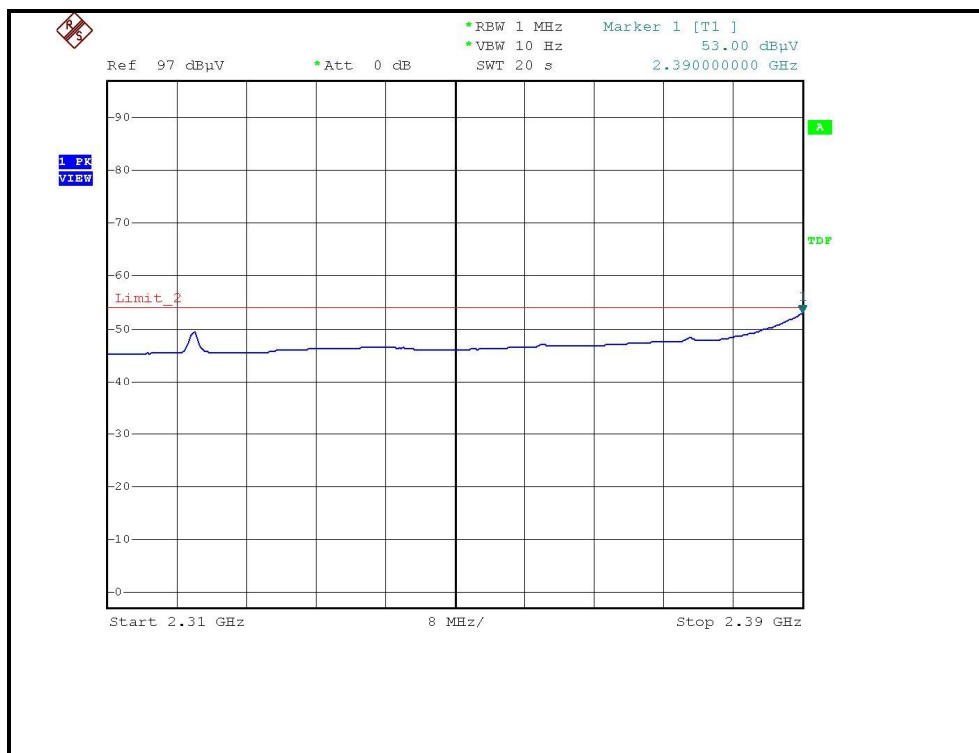
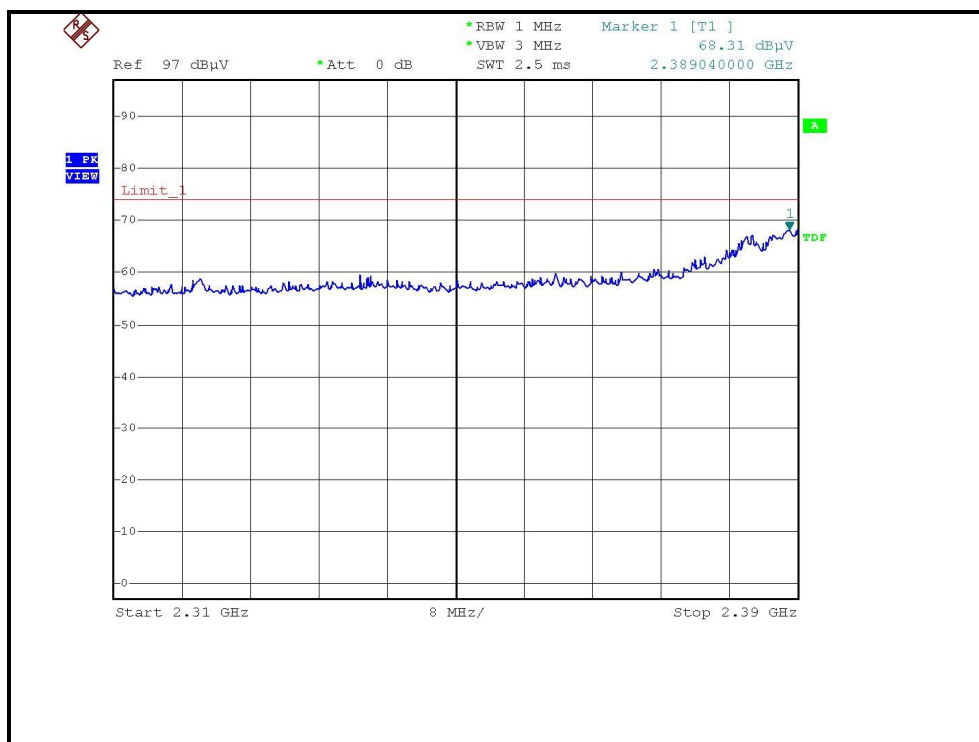
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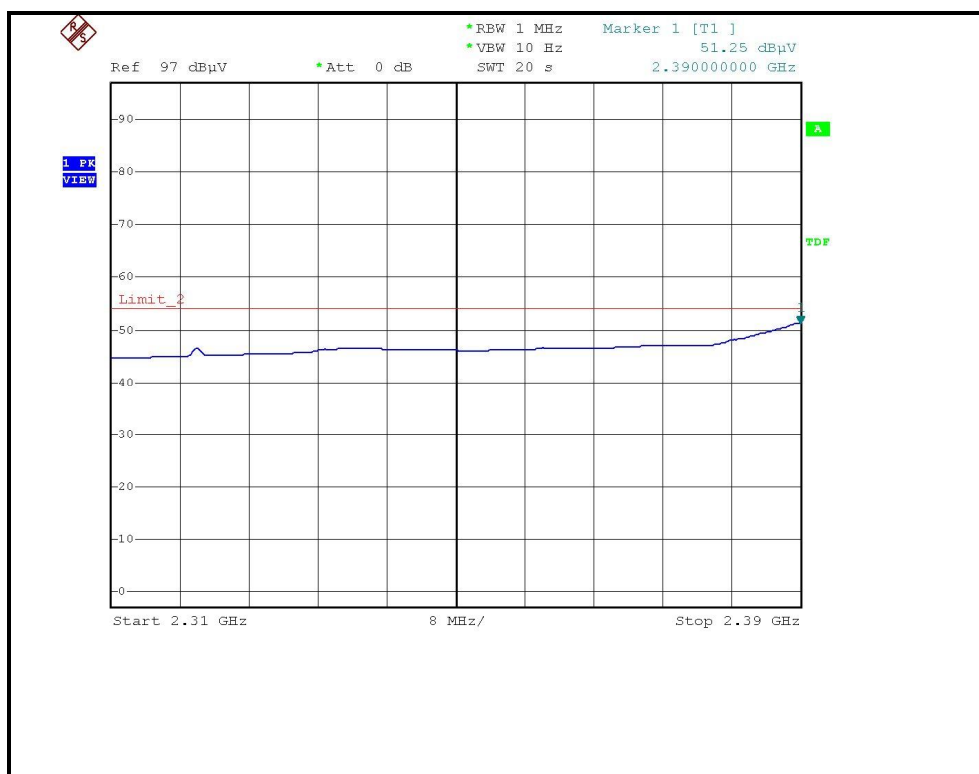
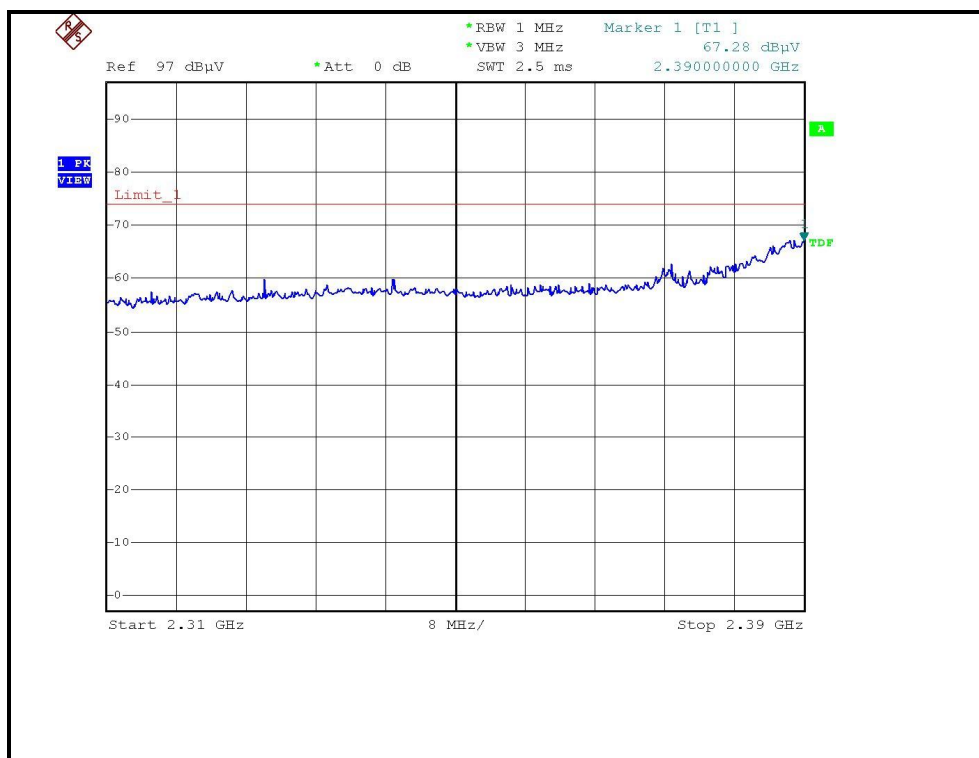
RESTRICTED BANDEDGE (802.11g MODE, CH2, HORIZONTAL)



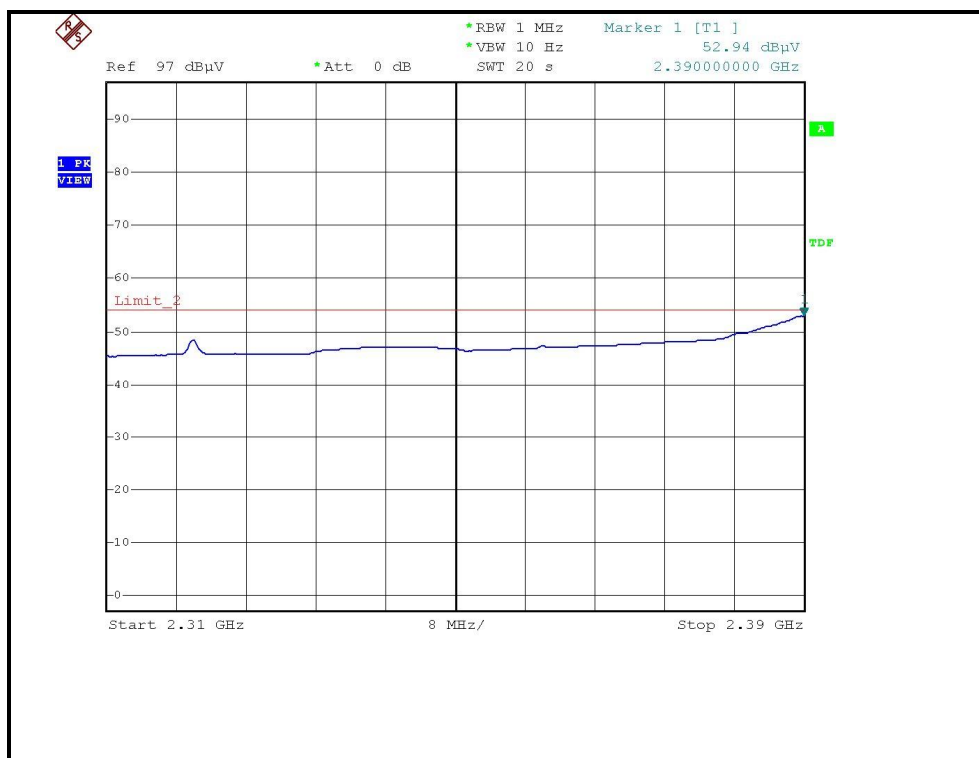
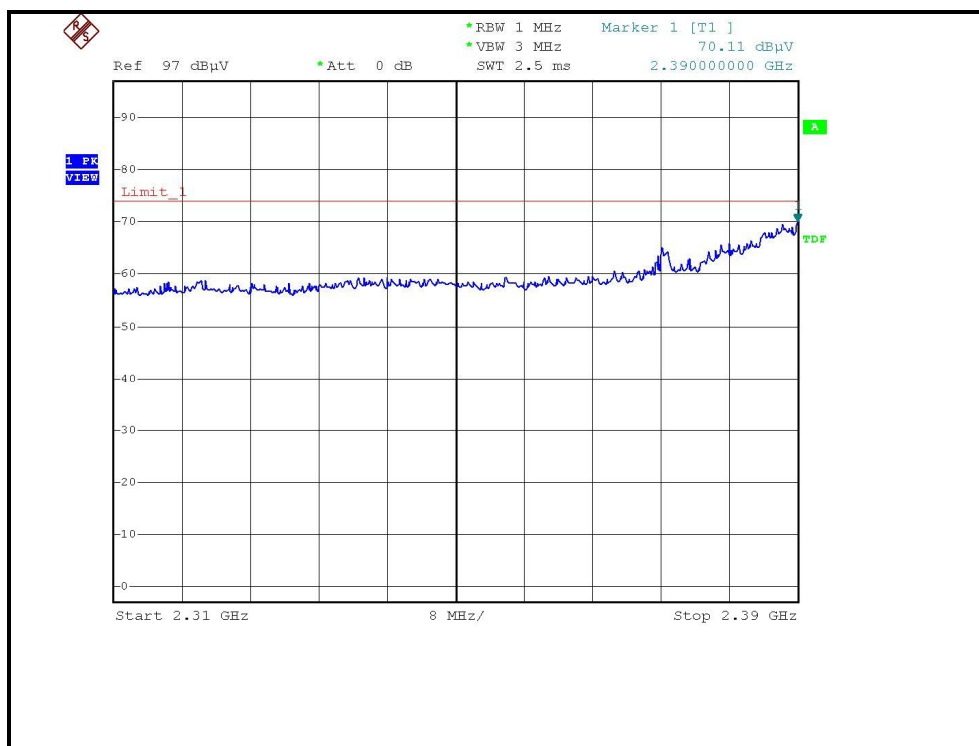
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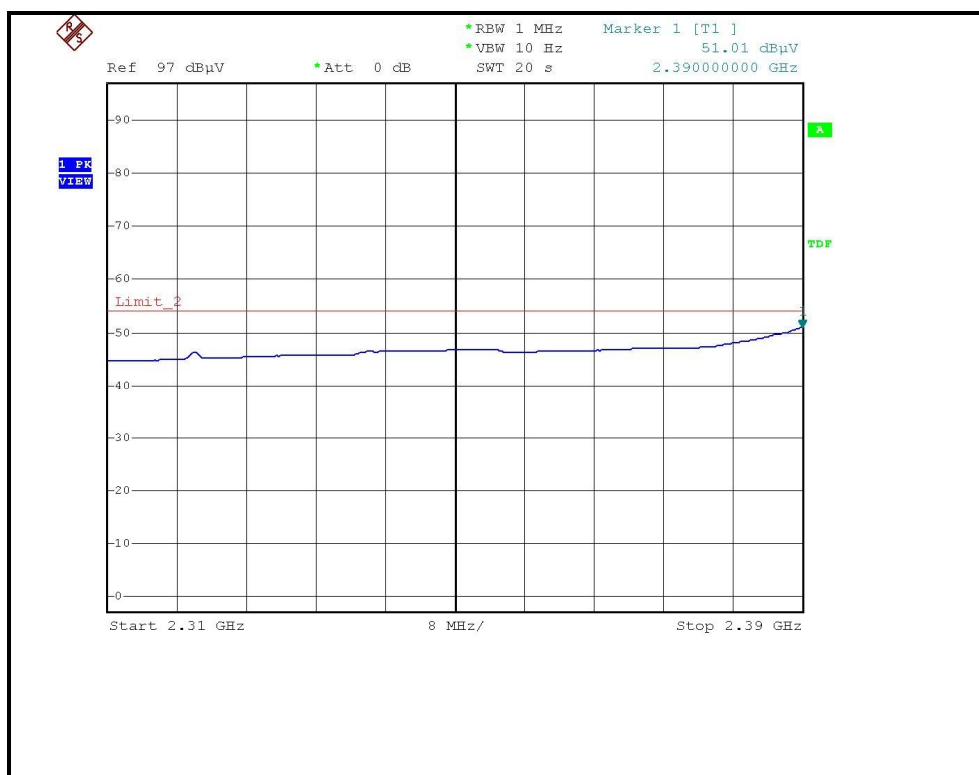
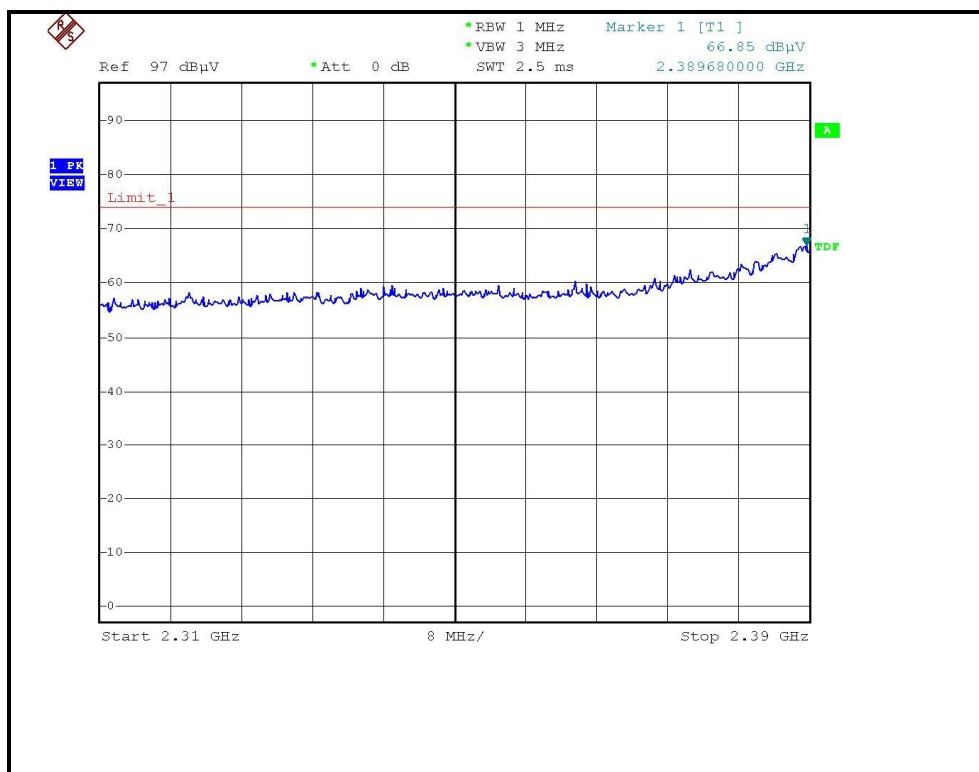
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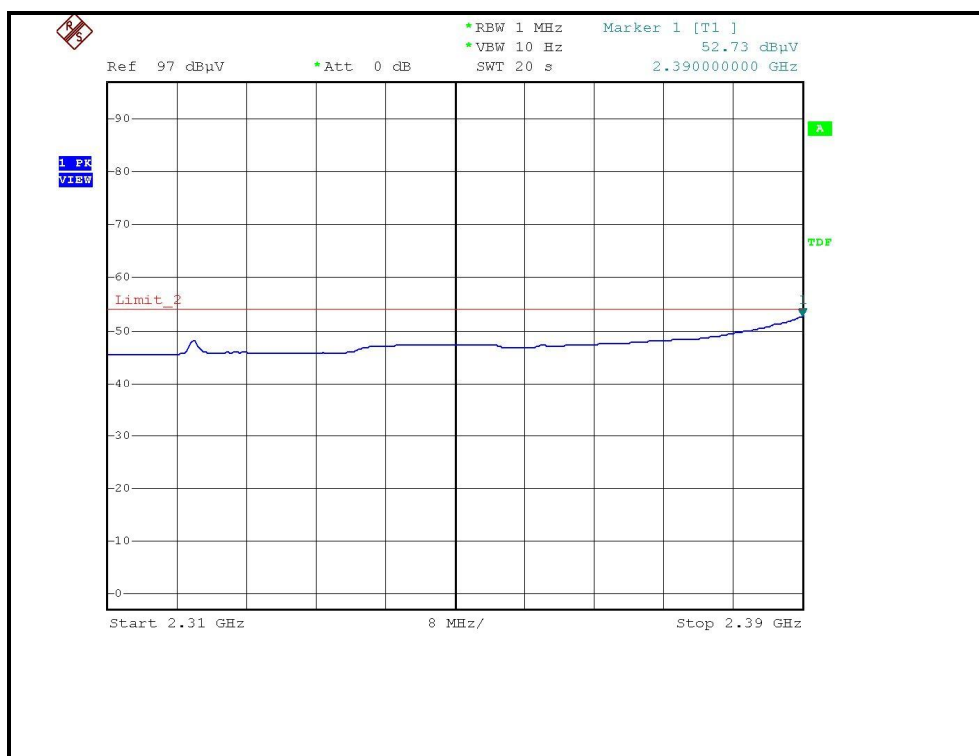
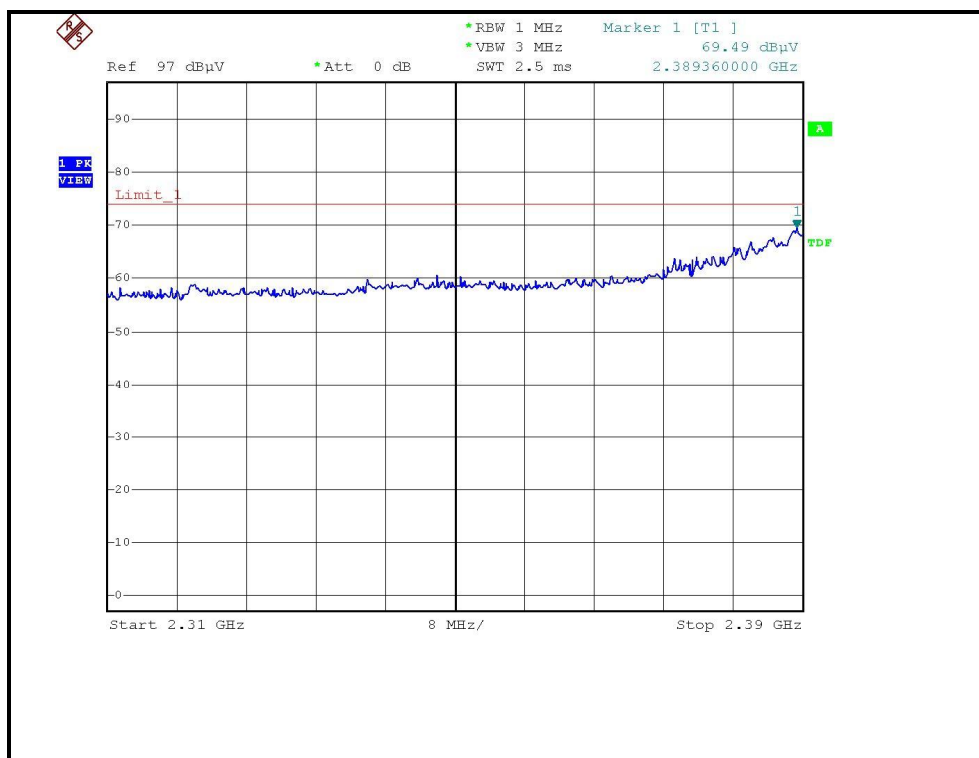
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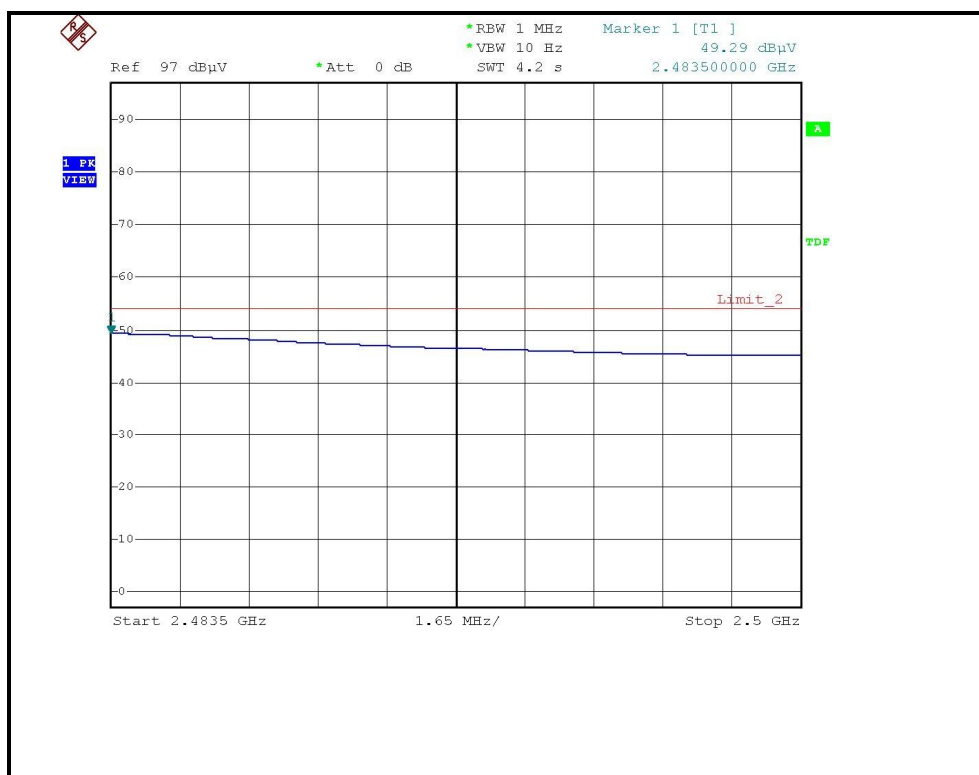
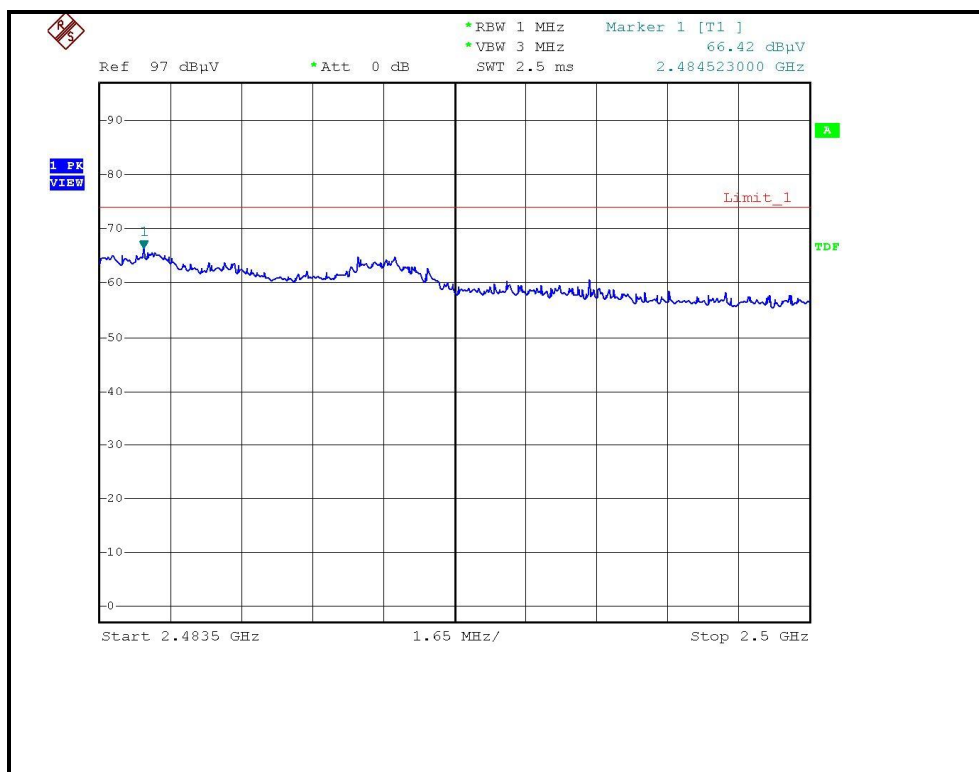
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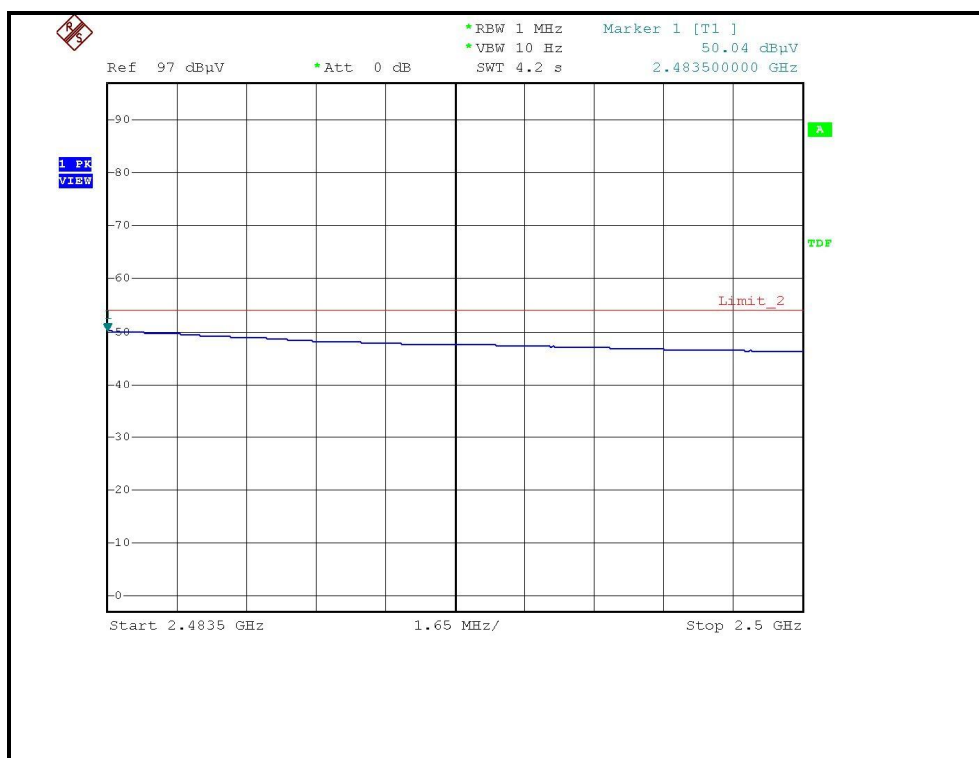
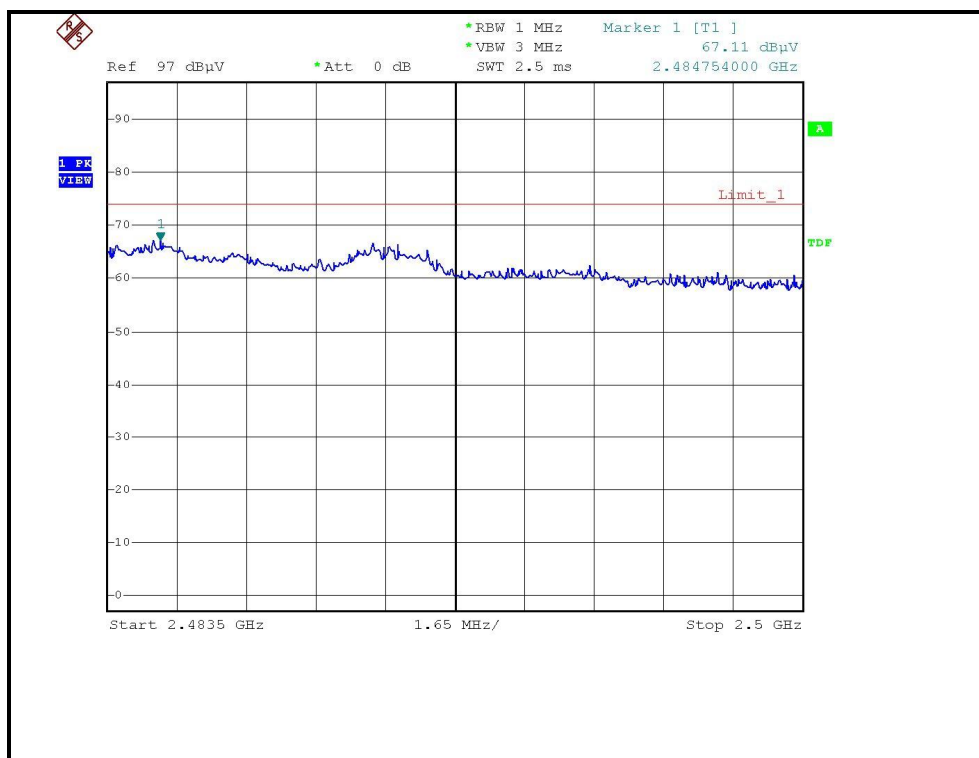
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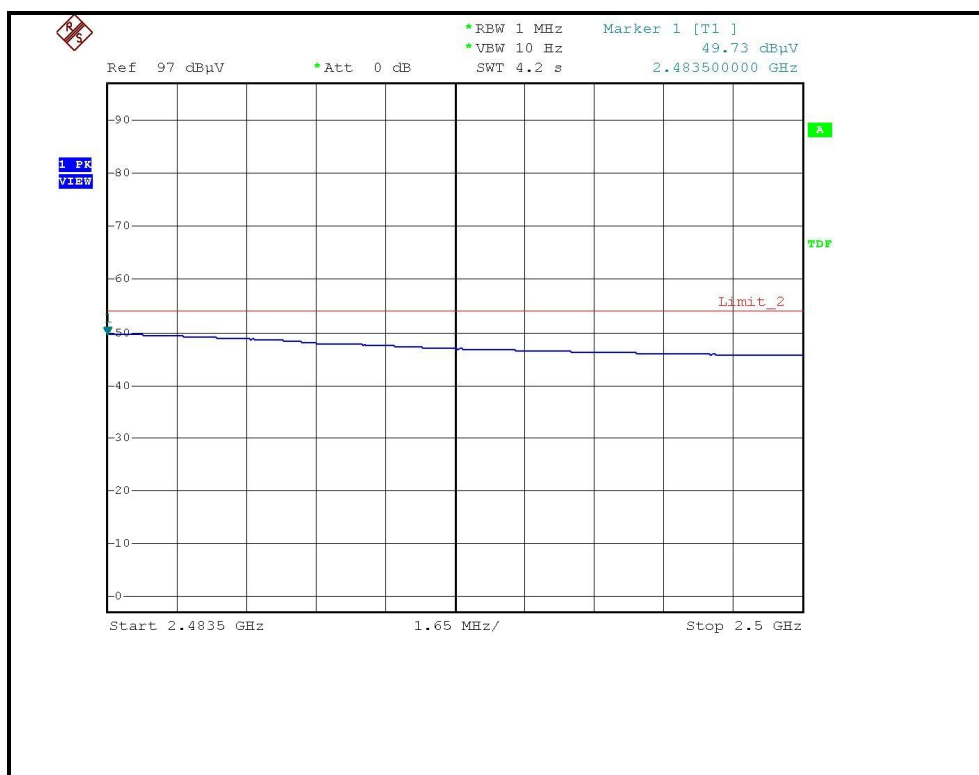
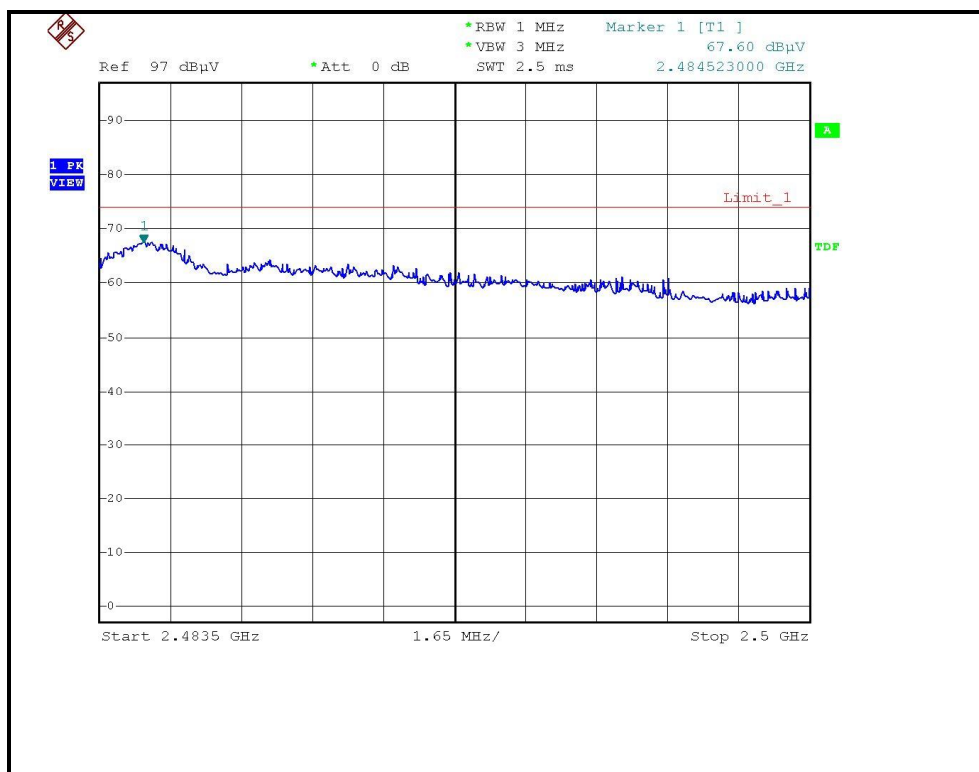
RESTRICTED BANDEDGE (802.11g MODE,CH8, HORIZONTAL)



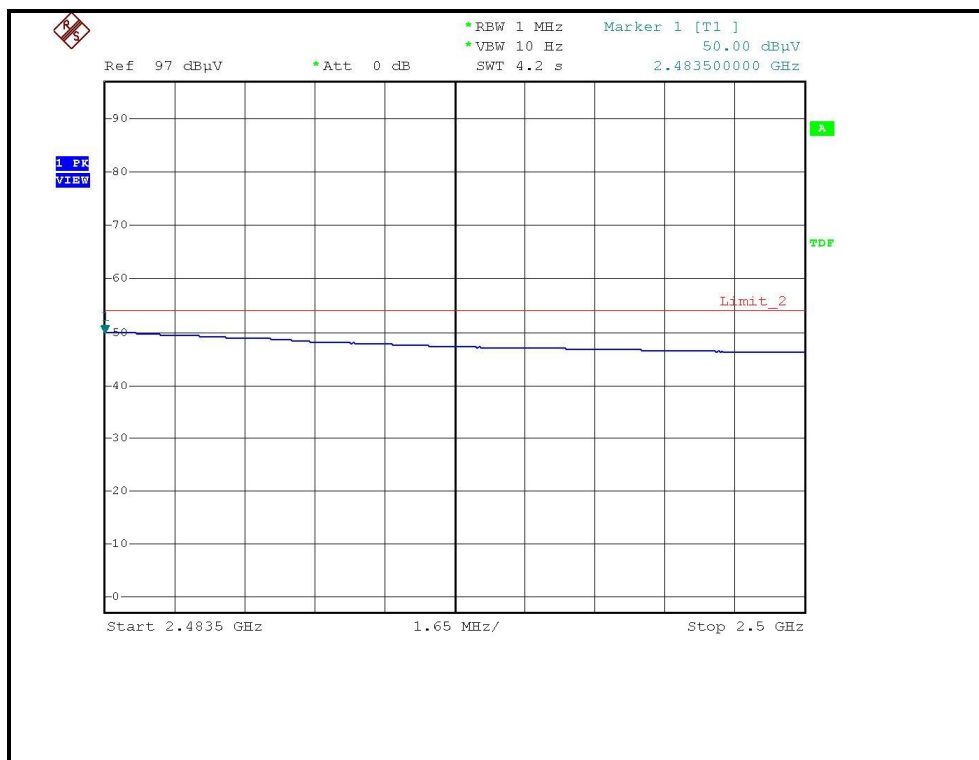
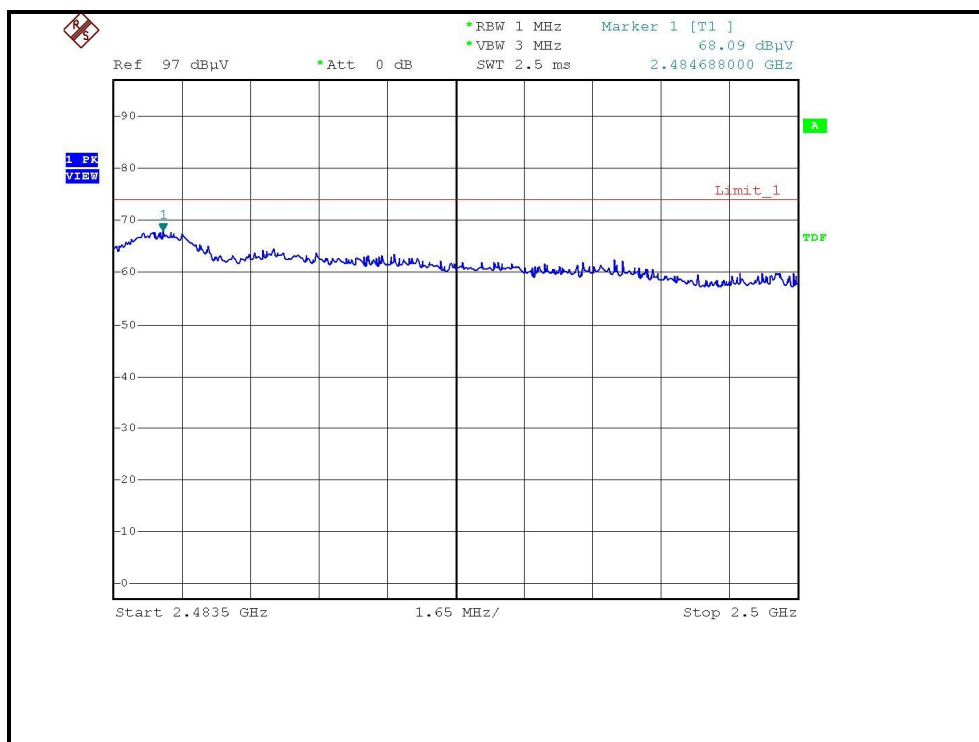
RESTRICTED BANDEDGE (802.11g MODE, CH8, VERTICAL)



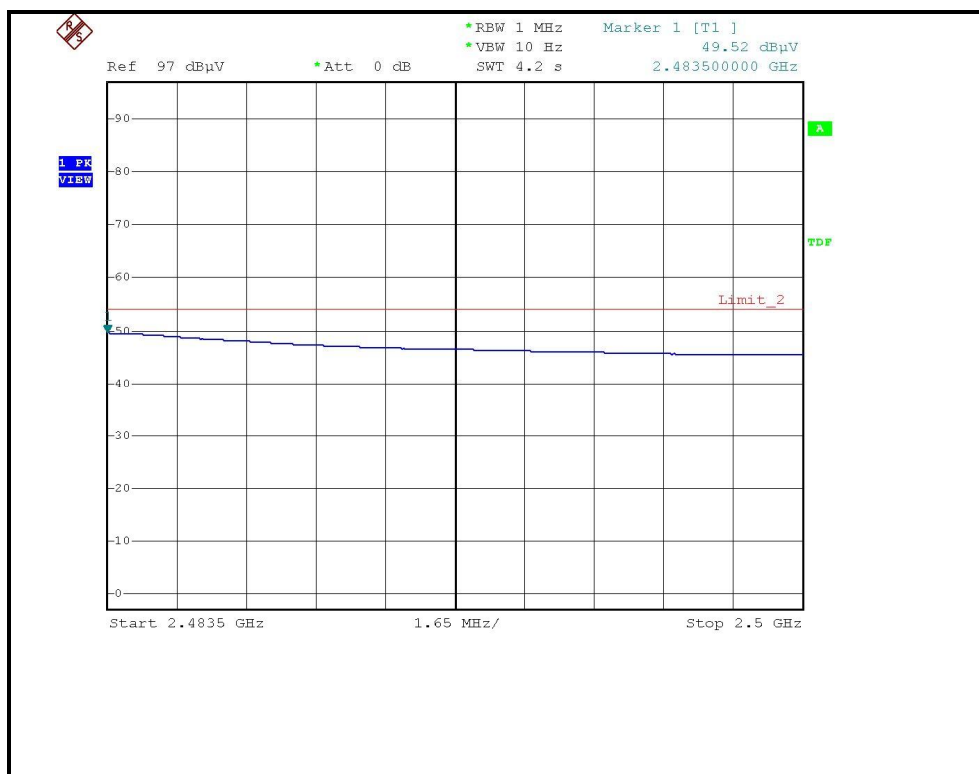
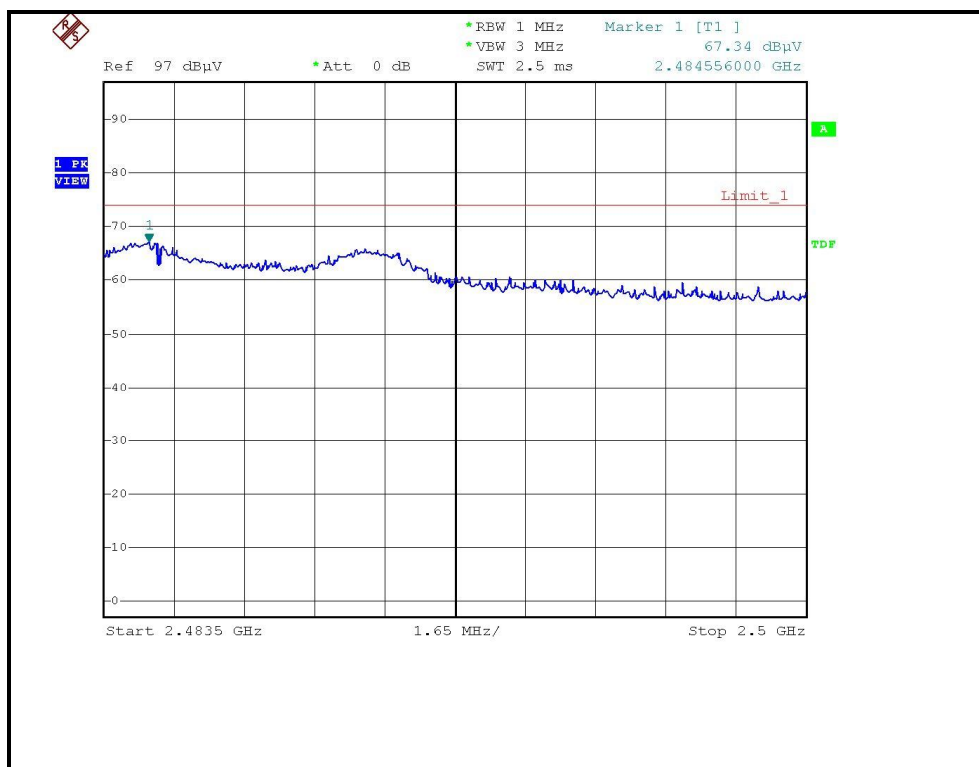
RESTRICTED BANDEDGE (802.11g MODE,CH9, HORIZONTAL)



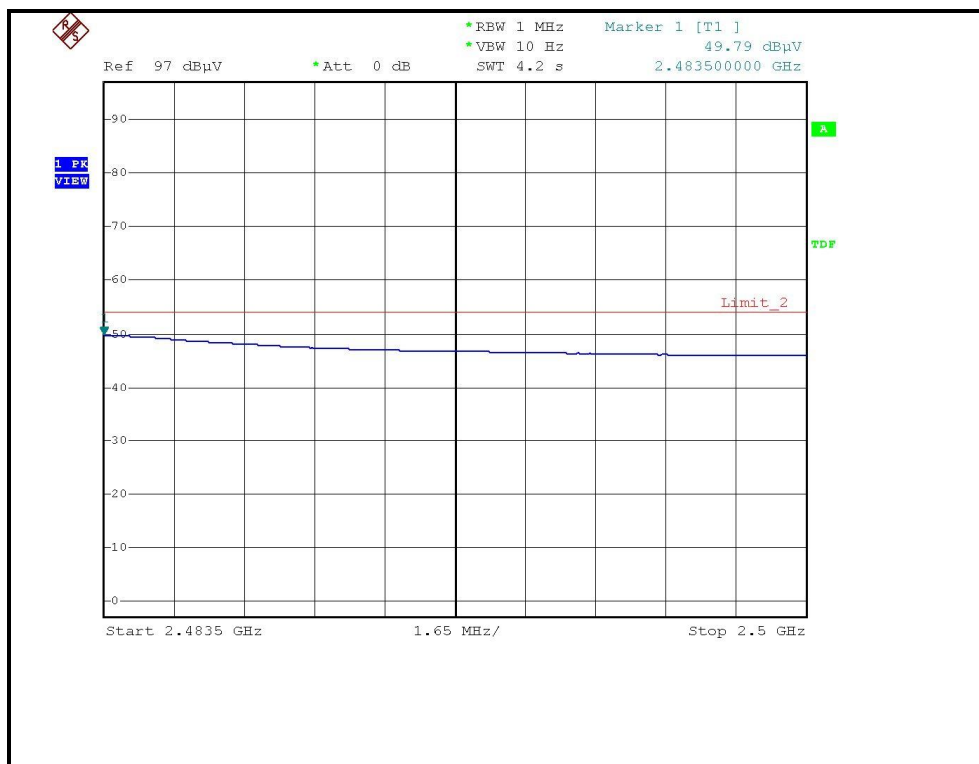
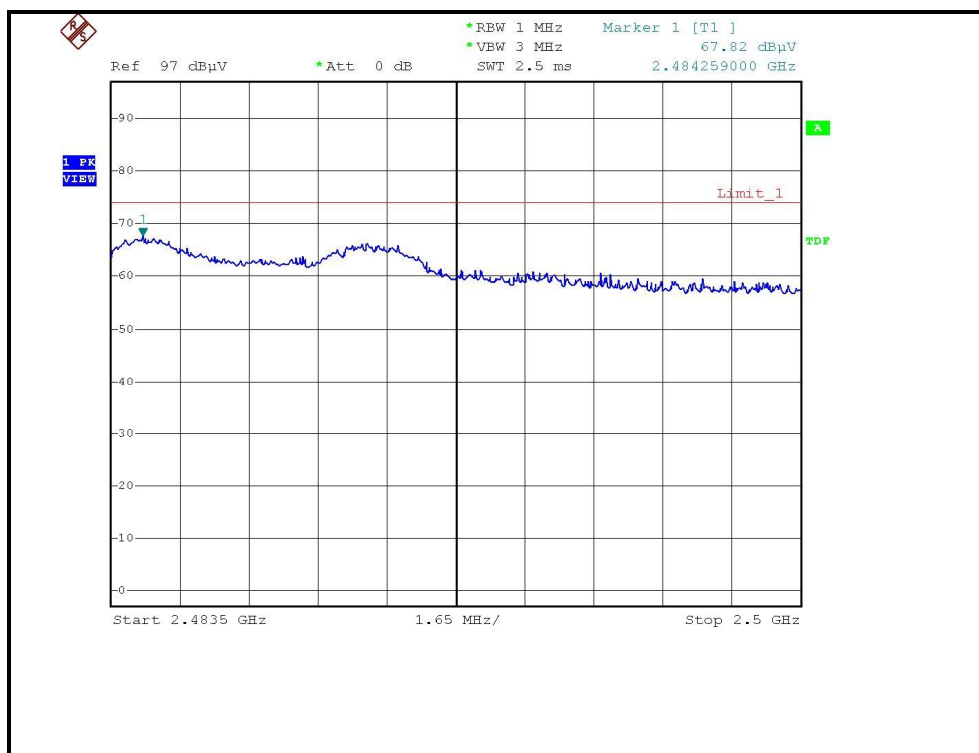
RESTRICTED BANDEDGE (802.11g MODE, CH9, VERTICAL)



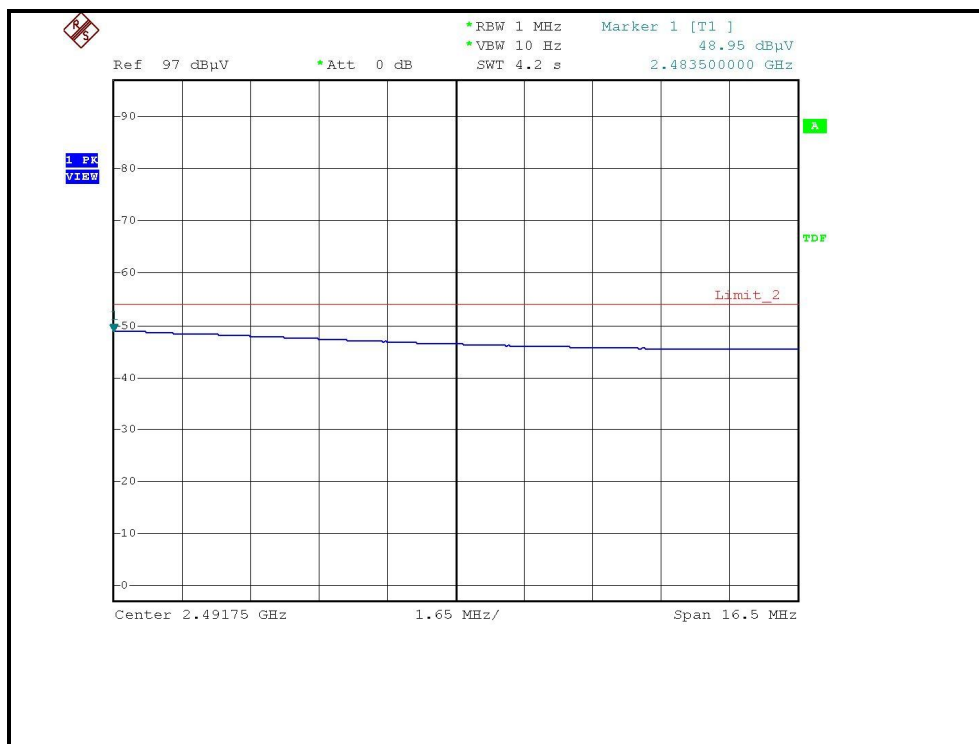
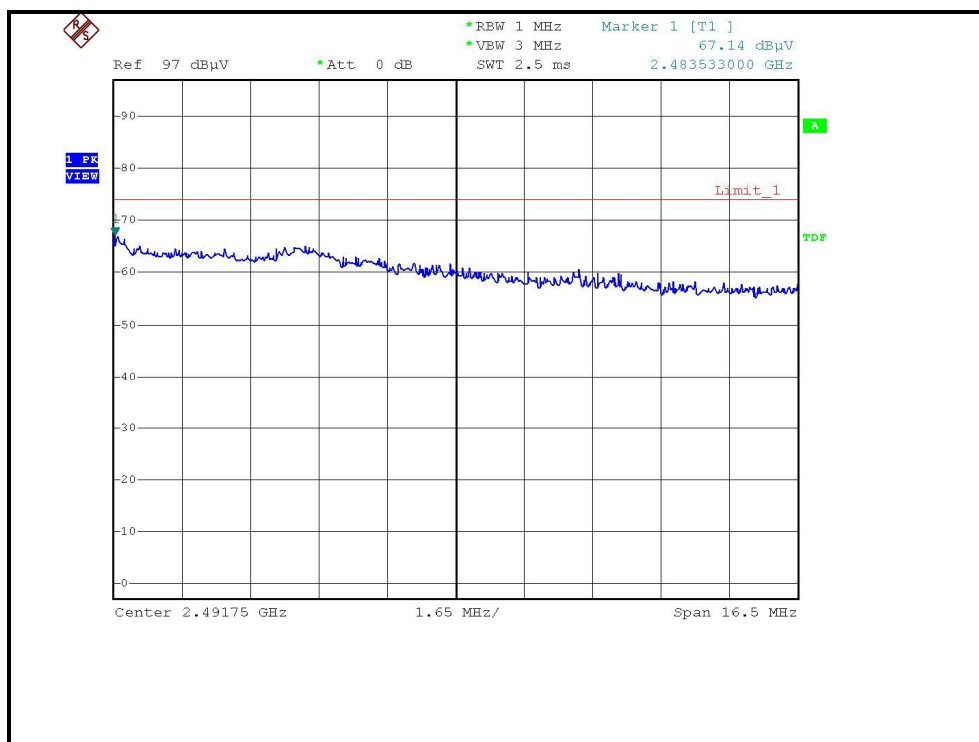
RESTRICTED BANDEDGE (802.11g MODE, CH10, HORIZONTAL)



RESTRICTED BANDEDGE (802.11g MODE, CH10, VERTICAL)



RESTRICTED BANDEDGE (802.11g MODE,CH11, HORIZONTAL)



4.3 6dB BANDWIDTH MEASUREMENT

4.3.1 LIMITS OF 6dB BANDWIDTH MEASUREMENT

The minimum of 6dB Bandwidth Measurement is 0.5 MHz.

4.3.2 TEST INSTRUMENTS

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
R&S SPECTRUM ANALYZER	FSP40	100037	Aug. 15, 2007

NOTE:

- 1.The measurement uncertainty is less than +/- 2.6dB, which is calculated as per the NAMAS document NIS81. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.
- 2.The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

4.3.3 TEST PROCEDURE

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 100kHz RBW and 100kHz VBW. The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.

4.3.4 DEVIATION FROM TEST STANDARD

No deviation

4.3.5 TEST SETUP



4.3.6 EUT OPERATING CONDITIONS

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

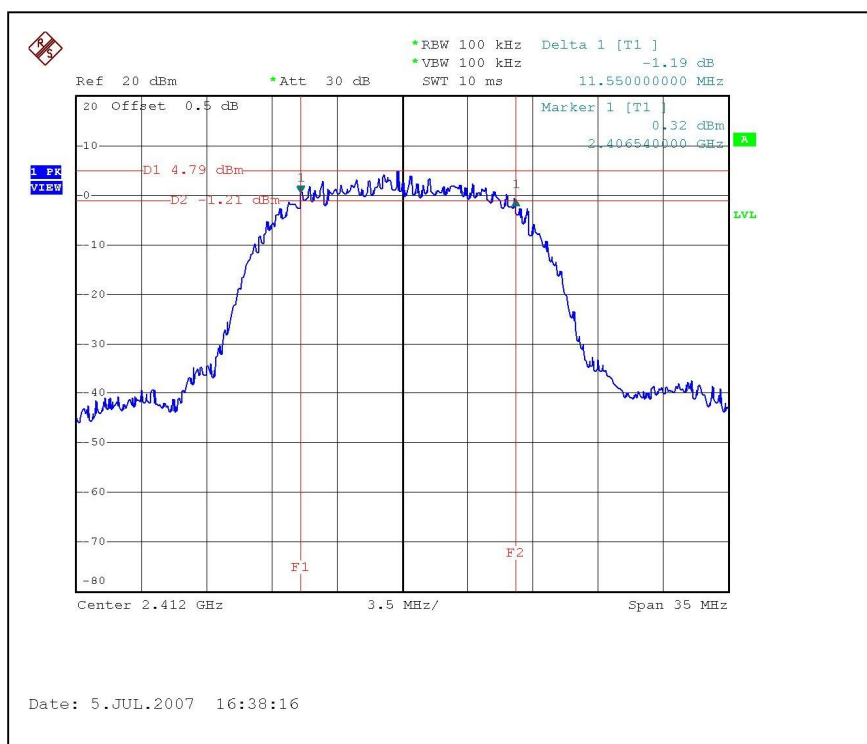
4.3.7 TEST RESULTS

802.11b DSSS modulation

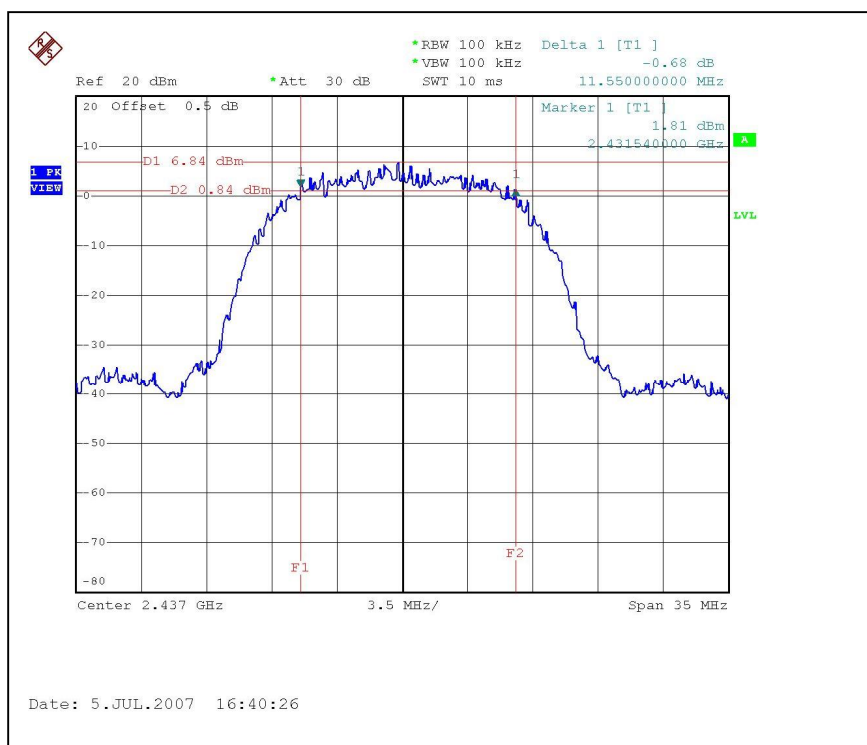
MODULATION TYPE	CCK	TRANSFER RATE	1Mbps
INPUT POWER (SYSTEM)	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	25deg. C, 62%RH, 960hPa
TESTED BY	Rex Huang		

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS/FAIL
1	2412	11.55	0.5	PASS
6	2437	11.55	0.5	PASS
11	2462	11.55	0.5	PASS

CH1



CH6



CH11

