5. TEST TYPES AND RESULTS (FOR 5.0GHz BAND)

5.1 RADIATED EMISSION MEASUREMENT

5.1.1 LIMITS OF RADIATED EMISSION MEASUREMENT

Emissions radiated outside of the specified bands, shall be according to the general radiated limits in 15.209 as following:

FREQUENCIES (MHz)	FIELD STRENGTH (microvolts/meter)	MEASUREMENT DISTANCE (meters)
0.009 ~ 0.490	2400/F(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

NOTE:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. As shown in 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

5.1.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver ROHDE & SCHWARZ	ESIB7	100188	Dec. 21, 2009	Dec. 20, 2010
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100269	Dec. 31, 2009	Dec. 30, 2010
BILOG Antenna SCHWARZBECK	VULB9168	9168-160	Apr. 27, 2010	Apr. 26, 2011
HORN Antenna SCHWARZBECK	9120D	9120D-405	Feb. 03, 2010	Feb. 02, 2011
HORN Antenna SCHWARZBECK	BBHA 9170	BBHA9170243	Dec. 25, 2009	Dec. 24, 2010
Preamplifier Agilent	8447D	2944A10637	Dec. 10, 2009	Dec. 09, 2010
Preamplifier Agilent	8449B	3008A01922	Sep. 24, 2010	Sep. 23, 2011
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	238141/4	May 14, 2010	May 13, 2011
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	12738/6	May 14, 2010	May 13, 2011
Software ADT.	ADT_Radiated_ V7.6.15.9.2	NA	NA	NA
Antenna Tower inn-co GmbH	MA 4000	013303	NA	NA
Antenna Tower Controller inn-co GmbH	CO2000	017303	NA	NA
Turn Table ADT.	TT100.	TT93021703	NA	NA
Turn Table Controller ADT.	SC100.	SC93021703	NA	NA
26GHz ~ 40GHz Amplifier	EM26400	07026401	Aug. 25, 2010	Aug. 24, 2011

NOTE: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

2. The test was performed in HwaYa Chamber 3.

3. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.

4. The FCC Site Registration No. is 988962.

5. The IC Site Registration No. is IC 7450F-3.

5.1.3 TEST PROCEDURES

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meters semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

f. If the emission level of the EUT in peak mode was lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

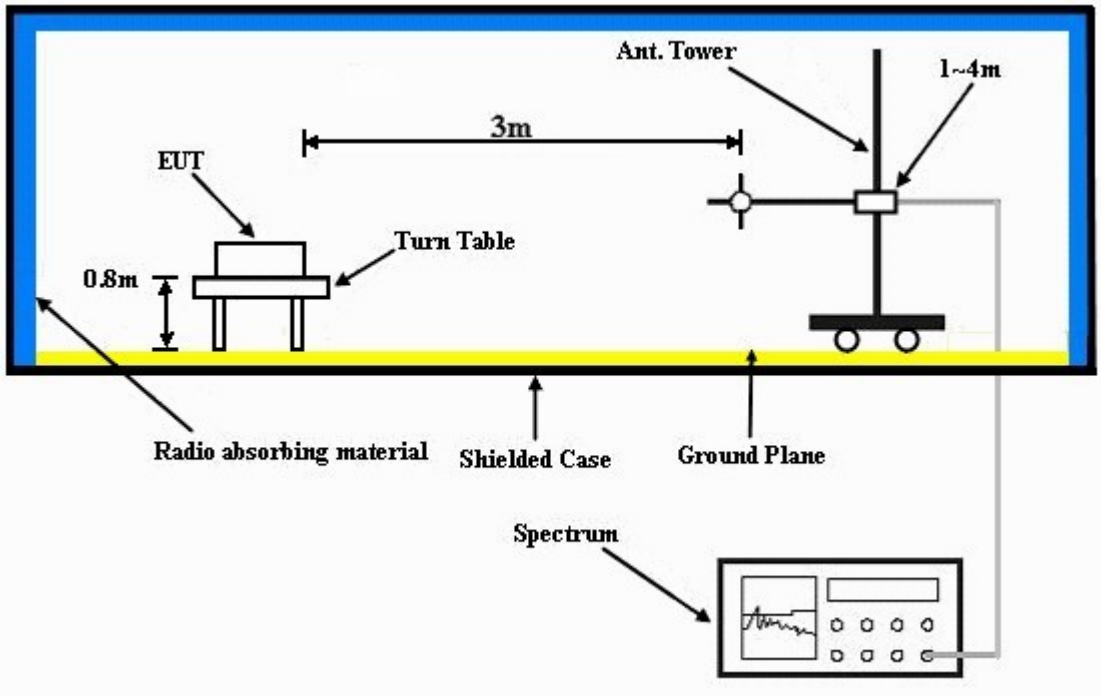
NOTE:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz for Average detection (AV) at frequency above 1GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.

5.1.4 DEVIATION FROM TEST STANDARD

No deviation.

5.1.5 TEST SETUP



For the actual test configuration, please refer to the attached file (Test Setup Photo).

5.1.6 EUT OPERATING CONDITIONS

Same as 4.1.6.

5.1.7 TEST RESULTS (TEST MODE A 1)

802.11a

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	**FREQUENCY RANGE**	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1015 hPa	**TESTED BY**	Sun Lin

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	4960.00	59.9 PK	74.0	-14.1	1.22 H	63	23.50	36.40
2	4960.00	52.4 AV	54.0	-1.6	1.22 H	63	16.00	36.40
3	5400.00	60.3 PK	74.0	-13.7	1.43 H	63	23.10	37.20
4	5400.00	52.1 AV	54.0	-1.9	1.43 H	63	14.90	37.20
5	#5725.00	72.3 PK	89.4	-17.1	1.21 H	105	34.30	38.00
6	#5725.00	53.4 AV	76.5	-23.1	1.21 H	105	15.40	38.00
7	*5745.00	109.4 PK			1.07 H	88	71.40	38.00
8	*5745.00	96.5 AV			1.07 H	88	58.50	38.00
9	11490.00	57.5 PK	74.0	-16.5	1.37 H	289	9.50	48.00
10	11490.00	46.8 AV	54.0	-7.2	1.37 H	289	-1.20	48.00

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1015 hPa	TESTED BY	Sun Lin

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	4960.00	59.0 PK	74.0	-15.0	1.23 V	36	22.60	36.40
2	4960.00	52.1 AV	54.0	-1.9	1.23 V	36	15.70	36.40
3	5400.00	60.8 PK	74.0	-13.2	1.33 V	108	23.60	37.20
4	5400.00	51.9 AV	54.0	-2.1	1.33 V	108	14.70	37.20
5	#5725.00	75.8 PK	92.6	-16.8	1.47 V	28	37.80	38.00
6	#5725.00	57.0 AV	80.1	-23.1	1.47 V	28	19.00	38.00
7	*5745.00	112.6 PK			1.02 V	235	74.60	38.00
8	*5745.00	100.1 AV			1.02 V	235	62.10	38.00
9	11490.00	58.3 PK	74.0	-15.7	1.43 V	293	10.30	48.00
10	11490.00	46.9 AV	54.0	-7.1	1.43 V	293	-1.10	48.00

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 157	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1015 hPa	TESTED BY	Sun Lin

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	5400.00	59.8 PK	74.0	-14.2	1.03 H	227	22.60	37.20
2	5400.00	52.4 AV	54.0	-1.6	1.03 H	227	15.20	37.20
3	*5785.00	110.0 PK			1.25 H	108	72.00	38.00
4	*5785.00	96.9 AV			1.25 H	108	58.90	38.00
5	11570.00	56.5 PK	74.0	-17.5	1.48 H	235	8.60	47.90
6	11570.00	45.7 AV	54.0	-8.3	1.48 H	235	-2.20	47.90
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	5400.00	60.5 PK	74.0	-13.5	1.05 V	235	23.30	37.20
2	5400.00	50.5 AV	54.0	-3.5	1.05 V	235	13.30	37.20
3	*5785.00	112.5 PK			1.08 V	58	74.50	38.00
4	*5785.00	100.3 AV			1.08 V	58	62.30	38.00
5	11570.00	57.4 PK	74.0	-16.6	1.33 V	83	9.50	47.90
6	11570.00	46.2 AV	54.0	-7.8	1.33 V	83	-1.70	47.90

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. " * ": Fundamental frequency.

6. The limit value is defined as per 15.247.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 165	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1015 hPa	TESTED BY	Sun Lin

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	4960.00	61.0 PK	74.0	-13.0	1.12 H	105	24.60	36.40
2	4960.00	52.8 AV	54.0	-1.2	1.12 H	105	16.40	36.40
3	5440.00	61.9 PK	74.0	-12.1	1.18 H	64	24.60	37.30
4	5440.00	51.0 AV	54.0	-3.0	1.18 H	64	13.70	37.30
5	*5825.00	109.0 PK			1.27 H	228	70.90	38.10
6	*5825.00	96.3 AV			1.27 H	228	58.20	38.10
7	#5850.00	71.6 PK	89.0	-17.4	1.47 H	63	33.40	38.20
8	#5850.00	52.9 AV	76.3	-23.4	1.47 H	63	14.70	38.20
9	11650.00	58.1 PK	74.0	-15.9	1.05 H	257	10.40	47.70
10	11650.00	47.0 AV	54.0	-7.0	1.05 H	257	-0.70	47.70

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 165	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1015 hPa	TESTED BY	Sun Lin

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	4960.00	60.5 PK	74.0	-13.5	1.29 V	283	24.10	36.40
2	4960.00	52.3 AV	54.0	-1.7	1.29 V	283	15.90	36.40
3	5440.00	61.5 PK	74.0	-12.5	1.08 V	223	24.20	37.30
4	5440.00	49.9 AV	54.0	-4.1	1.08 V	223	12.60	37.30
5	*5825.00	111.9 PK			1.28 V	35	73.80	38.10
6	*5825.00	99.5 AV			1.28 V	35	61.40	38.10
7	#5850.00	75.5 PK	91.9	-16.4	1.03 V	122	37.30	38.20
8	#5850.00	55.6 AV	79.5	-23.9	1.03 V	122	17.40	38.20
9	11650.00	57.3 PK	74.0	-16.7	1.42 V	268	9.60	47.70
10	11650.00	46.4 AV	54.0	-7.6	1.42 V	268	-1.30	47.70

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1015 hPa	TESTED BY	Mark 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	4960.00	58.5 PK	74.0	-15.5	1.38 H	104	22.10	36.40
2	4960.00	51.7 AV	54.0	-2.3	1.38 H	104	15.30	36.40
3	5400.00	58.7 PK	74.0	-15.3	1.25 H	203	21.50	37.20
4	5400.00	47.2 AV	54.0	-6.8	1.25 H	203	10.00	37.20
5	#5725.00	77.5 PK	89.3	-11.8	1.05 H	63	39.50	38.00
6	#5725.00	56.0 AV	76.2	-20.2	1.05 H	63	18.00	38.00
7	*5745.00	109.3 PK			1.43 H	58	71.30	38.00
8	*5745.00	96.2 AV			1.43 H	58	58.20	38.00
9	11490.00	55.5 PK	74.0	-18.5	1.15 H	317	7.50	48.00
10	11490.00	43.0 AV	54.0	-11.0	1.15 H	317	-5.00	48.00

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1015 hPa	TESTED BY	Mark Liao

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	4960.00	59.5 PK	74.0	-14.5	1.25 V	107	23.10	36.40
2	4960.00	52.0 AV	54.0	-2.0	1.25 V	107	15.60	36.40
3	5400.00	58.5 PK	74.0	-15.5	1.63 V	227	21.30	37.20
4	5400.00	46.6 AV	54.0	-7.4	1.63 V	227	9.40	37.20
5	#5725.00	79.4 PK	92.3	-12.9	1.03 V	99	41.40	38.00
6	#5725.00	57.8 AV	80.0	-22.2	1.03 V	99	19.80	38.00
7	*5745.00	112.3 PK			1.04 V	307	74.30	38.00
8	*5745.00	100.0 AV			1.04 V	307	62.00	38.00
9	11490.00	56.5 PK	74.0	-17.5	1.57 V	229	8.50	48.00
10	11490.00	42.7 AV	54.0	-11.3	1.57 V	229	-5.30	48.00

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 157	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1015 hPa	TESTED BY	Mark 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	5400.00	59.4 PK	74.0	-14.6	1.03 H	47	22.20	37.20
2	5400.00	50.5 AV	54.0	-3.5	1.03 H	47	13.30	37.20
3	*5785.00	109.0 PK			1.28 H	312	71.00	38.00
4	*5785.00	96.0 AV			1.28 H	312	58.00	38.00
5	11570.00	55.0 PK	74.0	-19.0	1.05 H	53	7.10	47.90
6	11570.00	42.5 AV	54.0	-11.5	1.05 H	53	-5.40	47.90
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	5400.00	60.6 PK	74.0	-13.4	1.09 V	107	23.40	37.20
2	5400.00	50.4 AV	54.0	-3.6	1.09 V	107	13.20	37.20
3	*5785.00	111.9 PK			1.27 V	332	73.90	38.00
4	*5785.00	99.6 AV			1.27 V	332	61.60	38.00
5	11570.00	55.3 PK	74.0	-18.7	1.32 V	17	7.40	47.90
6	11570.00	42.8 AV	54.0	-11.2	1.32 V	17	-5.10	47.90

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. " * ": Fundamental frequency.

6. The limit value is defined as per 15.247.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 165	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1015 hPa	TESTED BY	Mark 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	4960.00	58.5 PK	74.0	-15.5	1.33 H	107	22.10	36.40
2	4960.00	52.4 AV	54.0	-1.6	1.33 H	107	16.00	36.40
3	5440.00	59.9 PK	74.0	-14.1	1.47 H	263	22.60	37.30
4	5440.00	51.9 AV	54.0	-2.1	1.47 H	263	14.60	37.30
5	*5825.00	108.0 PK			1.22 H	127	69.90	38.10
6	*5825.00	95.1 AV			1.22 H	127	57.00	38.10
7	#5850.00	67.0 PK	88.0	-21.0	1.03 H	322	28.80	38.20
8	#5850.00	48.4 AV	75.1	-26.7	1.03 H	322	10.20	38.20
9	11650.00	55.5 PK	74.0	-18.5	1.52 H	89	7.80	47.70
10	11650.00	42.5 AV	54.0	-11.5	1.52 H	89	-5.20	47.70

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 165	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1015 hPa	TESTED BY	Mark Liao

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	4960.00	59.0 PK	74.0	-15.0	1.35 V	47	22.60	36.40
2	4960.00	52.0 AV	54.0	-2.0	1.35 V	47	15.60	36.40
3	5440.00	61.1 PK	74.0	-12.9	1.32 V	25	23.80	37.30
4	5440.00	52.3 AV	54.0	-1.7	1.32 V	25	15.00	37.30
5	*5825.00	111.0 PK			1.63 V	352	72.90	38.10
6	*5825.00	98.9 AV			1.63 V	325	60.80	38.10
7	#5850.00	67.7 PK	91.0	-23.3	1.05 V	261	29.50	38.20
8	#5850.00	49.0 AV	78.9	-29.9	1.05 V	263	10.80	38.20
9	11650.00	55.1 PK	74.0	-18.9	1.07 V	235	7.40	47.70
10	11650.00	43.0 AV	54.0	-11.0	1.07 V	235	-4.70	47.70

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

802.11n (40MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 151	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1015 hPa	TESTED BY	Mark 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	5400.00	59.1 PK	74.0	-14.9	1.02 H	225	21.90	37.20
2	5400.00	49.2 AV	54.0	-4.8	1.02 H	225	12.00	37.20
3	#5725.00	68.5 PK	86.1	-17.6	1.47 H	293	30.50	38.00
4	#5725.00	51.9 AV	73.2	-21.3	1.47 H	293	13.90	38.00
5	*5755.00	106.1 PK			1.34 H	198	68.10	38.00
6	*5755.00	93.2 AV			1.34 H	198	55.20	38.00
7	11510.00	55.3 PK	74.0	-18.7	1.07 H	262	7.30	48.00
8	11510.00	41.9 AV	54.0	-12.1	1.07 H	262	-6.10	48.00
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	5400.00	60.1 PK	74.0	-13.9	1.53 V	298	22.90	37.20
2	5400.00	51.1 AV	54.0	-2.9	1.53 V	298	13.90	37.20
3	#5725.00	69.3 PK	89.3	-20.0	1.05 V	47	31.30	38.00
4	#5725.00	52.3 AV	77.1	-24.8	1.05 V	47	14.30	38.00
5	*5755.00	109.3 PK			1.43 V	228	71.30	38.00
6	*5755.00	97.1 AV			1.43 V	228	59.10	38.00
7	11510.00	55.9 PK	74.0	-18.1	1.25 V	208	7.90	48.00
8	11510.00	42.5 AV	54.0	-11.5	1.25 V	208	-5.50	48.00

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 159	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1015 hPa	TESTED BY	Mark 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	5000.00	57.0 PK	74.0	-17.0	1.27 H	239	20.50	36.50
2	5000.00	47.2 AV	54.0	-6.8	1.27 H	239	10.70	36.50
3	5400.00	58.1 PK	74.0	-15.9	1.36 H	77	20.90	37.20
4	5400.00	48.1 AV	54.0	-5.9	1.36 H	77	10.90	37.20
5	*5795.00	106.5 PK			1.12 H	93	68.40	38.10
6	*5795.00	93.6 AV			1.12 H	93	55.50	38.10
7	#5850.00	57.1 PK	86.5	-29.4	1.52 H	108	18.90	38.20
8	#5850.00	43.5 AV	73.6	-30.1	1.52 H	108	5.30	38.20
9	11590.00	57.3 PK	74.0	-16.7	1.48 H	118	9.40	47.90
10	11590.00	46.0 AV	54.0	-8.0	1.48 H	118	-1.90	47.90

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 159	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1015 hPa	TESTED BY	Mark Liao

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	5000.00	58.0 PK	74.0	-16.0	1.22 V	53	21.50	36.50
2	5000.00	50.9 AV	54.0	-3.1	1.22 V	53	14.40	36.50
3	5400.00	60.1 PK	74.0	-13.9	1.37 V	63	22.90	37.20
4	5400.00	51.9 AV	54.0	-2.1	1.37 V	63	14.70	37.20
5	*5795.00	109.8 PK			1.02 V	104	71.70	38.10
6	*5795.00	97.5 AV			1.02 V	104	59.40	38.10
7	#5850.00	56.9 PK	89.8	-32.9	1.43 V	269	18.70	38.20
8	#5850.00	42.9 AV	77.5	-34.6	1.43 V	269	4.70	38.20
9	11590.00	57.3 PK	74.0	-16.7	1.63 V	201	9.40	47.90
10	11590.00	46.2 AV	54.0	-7.8	1.63 V	201	-1.70	47.90

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

BELOW 1GHz WORST-CASE DATA：802.11a

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Brad Wu

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	99.89	30.3 QP	43.5	-13.2	1.25 H	53	20.20	10.10
2	199.05	39.9 QP	43.5	-3.6	1.25 H	89	29.60	10.30
3	300.16	32.4 QP	46.0	-13.6	1.25 H	107	17.70	14.70
4	479.03	31.6 QP	46.0	-14.4	1.75 H	35	12.30	19.30
5	529.58	34.3 QP	46.0	-11.7	1.75 H	205	13.80	20.50
6	667.63	41.5 QP	46.0	-4.5	1.25 H	208	18.40	23.10
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	33.79	29.8 QP	40.0	-10.2	1.25 V	158	17.40	12.40
2	70.73	27.3 QP	40.0	-12.7	1.25 V	203	15.50	11.80
3	199.05	30.2 QP	43.5	-13.3	1.75 V	93	19.90	10.30
4	595.69	31.7 QP	46.0	-14.3	1.75 V	105	9.80	21.90
5	665.68	39.0 QP	46.0	-7.0	1.25 V	225	15.90	23.10
6	926.22	35.7 QP	46.0	-10.3	1.75 V	118	9.40	26.30

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.

5.1.8 TEST RESULTS (TEST MODE A 2)

802.11a

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	**FREQUENCY RANGE**	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1015 hPa	**TESTED BY**	Sun Lin

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	4960.00	60.3 PK	74.0	-13.7	1.20 H	325	23.90	36.40
2	4960.00	52.5 AV	54.0	-1.5	1.20 H	325	16.10	36.40
3	5400.00	60.7 PK	74.0	-13.3	1.23 H	39	23.50	37.20
4	5400.00	52.4 AV	54.0	-1.6	1.23 H	39	15.20	37.20
5	#5725.00	72.5 PK	89.7	-17.2	1.31 H	54	34.50	38.00
6	#5725.00	53.5 AV	76.8	-23.3	1.31 H	54	15.50	38.00
7	*5745.00	109.7 PK			1.25 H	103	71.70	38.00
8	*5745.00	96.8 AV			1.25 H	103	58.80	38.00
9	11490.00	57.7 PK	74.0	-16.3	1.32 H	77	9.70	48.00
10	11490.00	46.9 AV	54.0	-7.1	1.32 H	77	-1.10	48.00

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1015 hPa	TESTED BY	Sun Lin

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	4960.00	59.7 PK	74.0	-14.3	1.35 V	58	23.30	36.40
2	4960.00	52.2 AV	54.0	-1.8	1.35 V	58	15.80	36.40
3	5400.00	61.0 PK	74.0	-13.0	1.29 V	112	23.80	37.20
4	5400.00	52.1 AV	54.0	-1.9	1.29 V	112	14.90	37.20
5	#5725.00	76.1 PK	92.8	-16.7	1.12 V	12	38.10	38.00
6	#5725.00	57.1 AV	80.5	-23.4	1.12 V	12	19.10	38.00
7	*5745.00	112.8 PK			1.08 V	304	74.80	38.00
8	*5745.00	100.5 AV			1.08 V	304	62.50	38.00
9	11490.00	58.4 PK	74.0	-15.6	1.12 V	73	10.40	48.00
10	11490.00	47.0 AV	54.0	-7.0	1.12 V	73	-1.00	48.00

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 157	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1015 hPa	TESTED BY	Sun Lin

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	5400.00	60.1 PK	74.0	-13.9	1.28 H	116	22.90	37.20
2	5400.00	52.5 AV	54.0	-1.5	1.28 H	116	15.30	37.20
3	*5785.00	110.2 PK			1.27 H	63	72.20	38.00
4	*5785.00	97.2 AV			1.27 H	63	59.20	38.00
5	11570.00	56.8 PK	74.0	-17.2	1.05 H	99	8.90	47.90
6	11570.00	45.8 AV	54.0	-8.2	1.05 H	99	-2.10	47.90
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	5400.00	60.7 PK	74.0	-13.3	1.22 V	43	23.50	37.20
2	5400.00	50.7 AV	54.0	-3.3	1.22 V	43	13.50	37.20
3	*5785.00	112.7 PK			1.07 V	18	74.70	38.00
4	*5785.00	100.5 AV			1.07 V	18	62.50	38.00
5	11570.00	57.5 PK	74.0	-16.5	1.52 V	27	9.60	47.90
6	11570.00	46.3 AV	54.0	-7.7	1.52 V	27	-1.60	47.90

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. " * ": Fundamental frequency.

6. The limit value is defined as per 15.247.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 165	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1015 hPa	TESTED BY	Sun Lin

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	4960.00	61.1 PK	74.0	-12.9	1.00 H	336	24.70	36.40
2	4960.00	53.0 AV	54.0	-1.0	1.00 H	336	16.60	36.40
3	5440.00	62.0 PK	74.0	-12.0	1.04 H	45	24.70	37.30
4	5440.00	51.1 AV	54.0	-2.9	1.04 H	45	13.80	37.30
5	*5825.00	109.3 PK			1.02 H	23	71.20	38.10
6	*5825.00	96.4 AV			1.02 H	23	58.30	38.10
7	#5850.00	71.7 PK	89.3	-17.6	1.08 H	58	33.50	38.20
8	#5850.00	53.0 AV	76.4	-23.4	1.08 H	58	14.80	38.20
9	11650.00	58.2 PK	74.0	-15.8	1.47 H	53	10.50	47.70
10	11650.00	47.1 AV	54.0	-6.9	1.47 H	53	-0.60	47.70

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 165	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1015 hPa	TESTED BY	Mark Liao

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	4960.00	60.8 PK	74.0	-13.2	1.18 V	340	24.40	36.40
2	4960.00	52.6 AV	54.0	-1.4	1.18 V	340	16.20	36.40
3	5440.00	61.7 PK	74.0	-12.3	1.00 V	78	24.40	37.30
4	5440.00	50.1 AV	54.0	-3.9	1.00 V	78	12.80	37.30
5	*5825.00	112.0 PK			1.15 V	102	73.90	38.10
6	*5825.00	99.7 AV			1.15 V	102	61.60	38.10
7	#5850.00	75.8 PK	92.0	-16.2	1.27 V	107	37.60	38.20
8	#5850.00	55.9 AV	79.7	-23.8	1.27 V	107	17.70	38.20
9	11650.00	57.5 PK	74.0	-16.5	1.13 V	205	9.80	47.70
10	11650.00	46.8 AV	54.0	-7.2	1.13 V	205	-0.90	47.70

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1015 hPa	TESTED BY	Mark 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	4960.00	58.9 PK	74.0	-15.1	1.31 H	85	22.50	36.40
2	4960.00	52.0 AV	54.0	-2.0	1.31 H	85	15.60	36.40
3	5400.00	58.8 PK	74.0	-15.2	1.18 H	338	21.60	37.20
4	5400.00	47.5 AV	54.0	-6.5	1.18 H	338	10.30	37.20
5	#5725.00	80.9 PK	92.5	-11.6	1.18 H	322	42.90	38.00
6	#5725.00	60.2 AV	80.1	-19.9	1.18 H	322	22.20	38.00
7	*5745.00	112.5 PK			1.09 H	66	74.50	38.00
8	*5745.00	100.1 AV			1.09 H	66	62.10	38.00
9	11490.00	55.8 PK	74.0	-18.2	1.20 H	153	7.80	48.00
10	11490.00	43.2 AV	54.0	-10.8	1.20 H	153	-4.80	48.00

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1015 hPa	TESTED BY	Mark Liao

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	4960.00	59.8 PK	74.0	-14.2	1.44 V	27	23.40	36.40
2	4960.00	52.3 AV	54.0	-1.7	1.44 V	27	15.90	36.40
3	5400.00	58.6 PK	74.0	-15.4	1.12 V	36	21.40	37.20
4	5400.00	46.8 AV	54.0	-7.2	1.12 V	36	9.60	37.20
5	#5725.00	82.6 PK	95.4	-12.8	1.18 V	26	44.60	38.00
6	#5725.00	61.0 AV	83.1	-22.1	1.18 V	26	23.00	38.00
7	*5745.00	115.4 PK			1.10 V	310	77.40	38.00
8	*5745.00	103.1 AV			1.10 V	310	65.10	38.00
9	11490.00	56.8 PK	74.0	-17.2	1.15 V	20	8.80	48.00
10	11490.00	42.9 AV	54.0	-11.1	1.15 V	20	-5.10	48.00

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 157	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1015 hPa	TESTED BY	Mark 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	5400.00	59.6 PK	74.0	-14.4	1.00 H	339	22.40	37.20
2	5400.00	50.7 AV	54.0	-3.3	1.00 H	339	13.50	37.20
3	*5785.00	112.1 PK			1.12 H	27	74.10	38.00
4	*5785.00	99.7 AV			1.12 H	27	61.70	38.00
5	11570.00	55.1 PK	74.0	-18.9	1.17 H	144	7.20	47.90
6	11570.00	42.6 AV	54.0	-11.4	1.17 H	144	-5.30	47.90
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	5400.00	60.8 PK	74.0	-13.2	1.00 V	42	23.60	37.20
2	5400.00	50.6 AV	54.0	-3.4	1.00 V	42	13.40	37.20
3	*5785.00	115.0 PK			1.15 V	258	77.00	38.00
4	*5785.00	102.8 AV			1.15 V	258	64.80	38.00
5	11570.00	55.8 PK	74.0	-18.2	1.12 V	310	7.90	47.90
6	11570.00	43.0 AV	54.0	-11.0	1.12 V	310	-4.90	47.90

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 165	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1015 hPa	TESTED BY	Mark 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	4960.00	58.9 PK	74.0	-15.1	1.28 H	86	22.50	36.40
2	4960.00	52.5 AV	54.0	-1.5	1.28 H	86	16.10	36.40
3	5440.00	60.1 PK	74.0	-13.9	1.02 H	341	22.80	37.30
4	5440.00	52.0 AV	54.0	-2.0	1.02 H	341	14.70	37.30
5	*5825.00	108.2 PK			1.13 H	210	70.10	38.10
6	*5825.00	96.3 AV			1.13 H	210	58.20	38.10
7	#5850.00	73.2 PK	88.2	-15.0	1.27 H	111	35.00	38.20
8	#5850.00	54.6 AV	76.3	-21.7	1.27 H	111	16.40	38.20
9	11650.00	55.9 PK	74.0	-18.1	1.19 H	321	8.20	47.70
10	11650.00	42.9 AV	54.0	-11.1	1.19 H	321	-4.80	47.70

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 165	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1015 hPa	TESTED BY	Mark Liao

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	4960.00	59.2 PK	74.0	-14.8	1.10 V	333	22.80	36.40
2	4960.00	52.2 AV	54.0	-1.8	1.10 V	333	15.80	36.40
3	5440.00	61.3 PK	74.0	-12.7	1.11 V	39	24.00	37.30
4	5440.00	52.5 AV	54.0	-1.5	1.11 V	39	15.20	37.30
5	*5825.00	111.2 PK			1.11 V	285	73.10	38.10
6	*5825.00	99.0 AV			1.11 V	285	60.90	38.10
7	#5850.00	74.0 PK	91.2	-17.2	1.28 V	352	35.80	38.20
8	#5850.00	55.2 AV	79.0	-23.8	1.28 V	352	17.00	38.20
9	11650.00	55.4 PK	74.0	-18.6	1.10 V	147	7.70	47.70
10	11650.00	43.2 AV	54.0	-10.8	1.10 V	147	-4.50	47.70

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

802.11n (40MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 151	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1015 hPa	TESTED BY	Mark 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	5400.00	59.5 PK	74.0	-14.5	1.04 H	42	22.30	37.20
2	5400.00	49.4 AV	54.0	-4.6	1.04 H	42	12.20	37.20
3	#5725.00	71.7 PK	89.5	-17.8	1.39 H	317	33.70	38.00
4	#5725.00	55.2 AV	76.6	-21.4	1.39 H	317	17.20	38.00
5	*5755.00	109.5 PK			1.19 H	120	71.50	38.00
6	*5755.00	96.6 AV			1.19 H	120	58.60	38.00
7	11510.00	55.8 PK	74.0	-18.2	1.13 H	22	7.80	48.00
8	11510.00	42.1 AV	54.0	-11.9	1.13 H	22	-5.90	48.00
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	5400.00	60.4 PK	74.0	-13.6	1.06 V	344	23.20	37.20
2	5400.00	51.4 AV	54.0	-2.6	1.06 V	344	14.20	37.20
3	#5725.00	72.5 PK	92.6	-20.1	1.00 V	329	34.50	38.00
4	#5725.00	55.9 AV	80.4	-24.5	1.00 V	329	17.90	38.00
5	*5755.00	112.6 PK			1.12 V	281	74.60	38.00
6	*5755.00	100.4 AV			1.12 V	281	62.40	38.00
7	11510.00	56.2 PK	74.0	-17.8	1.10 V	61	8.20	48.00
8	11510.00	42.7 AV	54.0	-11.3	1.10 V	61	-5.30	48.00

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 159	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1015 hPa	TESTED BY	Mark 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	5000.00	57.4 PK	74.0	-16.6	1.10 H	337	20.90	36.50
2	5000.00	47.5 AV	54.0	-6.5	1.10 H	337	11.00	36.50
3	5400.00	58.5 PK	74.0	-15.5	1.15 H	337	21.30	37.20
4	5400.00	48.4 AV	54.0	-5.6	1.15 H	337	11.20	37.20
5	*5795.00	110.2 PK			1.12 H	21	72.10	38.10
6	*5795.00	97.2 AV			1.12 H	21	59.10	38.10
7	#5850.00	57.5 PK	90.2	-32.7	1.09 H	50	19.30	38.20
8	#5850.00	43.9 AV	77.2	-33.3	1.09 H	50	5.70	38.20
9	11590.00	57.6 PK	74.0	-16.4	1.05 H	52	9.70	47.90
10	11590.00	46.2 AV	54.0	-7.8	1.05 H	52	-1.70	47.90

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 159	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1015 hPa	TESTED BY	Mark Liao

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	5000.00	58.4 PK	74.0	-15.6	1.40 V	10	21.90	36.50
2	5000.00	51.1 AV	54.0	-2.9	1.40 V	10	14.60	36.50
3	5400.00	60.7 PK	74.0	-13.3	1.07 V	340	23.50	37.20
4	5400.00	52.2 AV	54.0	-1.8	1.07 V	340	15.00	37.20
5	*5795.00	113.1 PK			1.22 V	81	75.00	38.10
6	*5795.00	100.6 AV			1.22 V	81	62.50	38.10
7	#5850.00	58.0 PK	93.1	-35.1	1.07 V	339	19.80	38.20
8	#5850.00	44.2 AV	80.6	-36.4	1.07 V	339	6.00	38.20
9	11590.00	58.2 PK	74.0	-15.8	1.19 V	21	10.30	47.90
10	11590.00	46.7 AV	54.0	-7.3	1.19 V	21	-1.20	47.90

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

BELOW 1GHz WORST-CASE DATA：802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Brad Wu

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	99.89	29.9 QP	43.5	-13.6	1.50 H	13	19.80	10.10
2	199.05	40.4 QP	43.5	-3.1	1.00 H	43	30.10	10.30
3	300.16	31.7 QP	46.0	-14.3	1.00 H	73	17.00	14.70
4	529.58	33.1 QP	46.0	-12.9	1.50 H	334	12.60	20.50
5	667.63	40.1 QP	46.0	-5.9	1.00 H	223	17.00	23.10
6	799.84	32.5 QP	46.0	-13.5	1.50 H	85	7.90	24.60
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	33.79	29.0 QP	40.0	-11.0	1.00 V	175	16.60	12.40
2	199.05	29.5 QP	43.5	-14.0	1.50 V	139	19.20	10.30
3	529.58	31.2 QP	46.0	-14.8	1.00 V	10	10.70	20.50
4	595.69	30.1 QP	46.0	-15.9	1.50 V	70	8.20	21.90
5	665.68	39.8 QP	46.0	-6.2	1.00 V	136	16.70	23.10
6	926.22	34.8 QP	46.0	-11.2	2.00 V	10	8.50	26.30

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.

5.1.9 TEST RESULTS (TEST MODE B 1)

802.11a

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	**FREQUENCY RANGE**	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	**TESTED BY**	Frank Wang

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	5120.00	58.8 PK	74.0	-15.2	1.07 H	28	22.10	36.70
2	5120.00	51.7 AV	54.0	-2.3	1.07 H	28	15.00	36.70
3	5400.00	61.1 PK	74.0	-12.9	1.08 H	11	23.90	37.20
4	5400.00	52.5 AV	54.0	-1.5	1.08 H	11	15.30	37.20
5	**#5725.00**	**80.1 PK**	**80.2**	**-0.1**	**1.08 H**	**66**	**42.10**	**38.00**
6	#5725.00	58.8 AV	77.8	-19.0	1.08 H	66	20.80	38.00
7	*5745.00	100.2 PK			1.07 H	58	62.20	38.00
8	*5745.00	97.8 AV			1.07 H	58	59.80	38.00
9	11490.00	56.1 PK	74.0	-17.9	1.08 H	251	8.10	48.00
10	11490.00	42.7 AV	54.0	-11.3	1.08 H	251	-5.30	48.00

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Frank Wang

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	5120.00	64.0 PK	74.0	-10.0	1.08 V	28	27.30	36.70
2	5120.00	51.2 AV	54.0	-2.8	1.08 V	28	14.50	36.70
3	5400.00	62.4 PK	74.0	-11.6	1.08 V	288	25.20	37.20
4	5400.00	51.3 AV	54.0	-2.7	1.08 V	288	14.10	37.20
5	#5725.00	82.5 PK	93.0	-10.5	1.22 V	211	44.50	38.00
6	#5725.00	61.2 AV	80.4	-19.2	1.22 V	211	23.20	38.00
7	*5745.00	113.0 PK			1.27 V	351	75.00	38.00
8	*5745.00	100.4 AV			1.27 V	351	62.40	38.00
9	11490.00	56.3 PK	74.0	-17.7	1.07 V	141	8.30	48.00
10	11490.00	42.9 AV	54.0	-11.1	1.07 V	141	-5.10	48.00

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 157	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Frank Wang

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	5120.00	63.4 PK	74.0	-10.6	1.09 H	48	26.70	36.70
2	5120.00	51.0 AV	54.0	-3.0	1.09 H	48	14.30	36.70
3	5400.00	61.0 PK	74.0	-13.0	1.09 H	147	23.80	37.20
4	5400.00	52.2 AV	54.0	-1.8	1.09 H	147	15.00	37.20
5	*5785.00	110.0 PK			1.15 H	55	72.00	38.00
6	*5785.00	97.5 AV			1.15 H	55	59.50	38.00
7	11570.00	55.7 PK	74.0	-18.3	1.02 H	163	7.80	47.90
8	11570.00	42.4 AV	54.0	-11.6	1.02 H	163	-5.50	47.90
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	5120.00	63.1 PK	74.0	-10.9	1.08 V	67	26.40	36.70
2	5120.00	50.4 AV	54.0	-3.6	1.08 V	67	13.70	36.70
3	5400.00	61.2 PK	74.0	-12.8	1.10 V	331	24.00	37.20
4	5400.00	51.0 AV	54.0	-3.0	1.10 V	331	13.80	37.20
5	*5785.00	112.6 PK			1.15 V	214	74.60	38.00
6	*5785.00	100.3 AV			1.15 V	214	62.30	38.00
7	11570.00	56.6 PK	74.0	-17.4	1.19 V	101	8.70	47.90
8	11570.00	43.1 AV	54.0	-10.9	1.19 V	101	-4.80	47.90

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. " * ": Fundamental frequency.

6. The limit value is defined as per 15.247.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 165	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Frank Wang

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	5360.00	60.8 PK	74.0	-13.2	1.19 H	82	23.60	37.20
2	5360.00	52.4 AV	54.0	-1.6	1.19 H	82	15.20	37.20
3	5400.00	61.1 PK	74.0	-12.9	1.01 H	111	23.90	37.20
4	5400.00	52.4 AV	54.0	-1.6	1.01 H	111	15.20	37.20
5	*5825.00	107.3 PK			1.08 H	159	69.20	38.10
6	*5825.00	94.9 AV			1.08 H	159	56.80	38.10
7	#5850.00	65.1 PK	87.3	-22.2	1.14 H	18	26.90	38.20
8	#5850.00	46.2 AV	74.9	-28.7	1.14 H	18	8.00	38.20
9	11650.00	55.7 PK	74.0	-18.3	1.08 H	199	8.00	47.70
10	11650.00	42.6 AV	54.0	-11.4	1.08 H	199	-5.10	47.70

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 165	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Frank Wang

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	5360.00	63.2 PK	74.0	-10.8	1.12 V	87	26.00	37.20
2	5360.00	50.7 AV	54.0	-3.3	1.12 V	87	13.50	37.20
3	5400.00	61.2 PK	74.0	-12.8	1.08 V	299	24.00	37.20
4	5400.00	51.2 AV	54.0	-2.8	1.08 V	299	14.00	37.20
5	*5825.00	110.0 PK			1.12 V	241	71.90	38.10
6	*5825.00	97.7 AV			1.12 V	241	59.60	38.10
7	#5850.00	66.6 PK	90.0	-23.4	1.18 V	332	28.40	38.20
8	#5850.00	48.1 AV	77.7	-29.6	1.18 V	332	9.90	38.20
9	11650.00	56.1 PK	74.0	-17.9	1.03 V	182	8.40	47.70
10	11650.00	42.7 AV	54.0	-11.3	1.03 V	182	-5.00	47.70

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Frank Wang

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	4960.00	55.3 PK	74.0	-18.7	1.12 H	193	18.90	36.40
2	4960.00	46.5 AV	54.0	-7.5	1.12 H	193	10.10	36.40
3	5120.00	58.5 PK	74.0	-15.5	1.07 H	28	21.80	36.70
4	5120.00	51.4 AV	54.0	-2.6	1.07 H	28	14.70	36.70
5	5400.00	61.3 PK	74.0	-12.7	1.13 H	258	24.10	37.20
6	5400.00	52.5 AV	54.0	-1.5	1.13 H	258	15.30	37.20
7	#5725.00	80.4 PK	90.5	-10.1	1.05 H	19	42.40	38.00
8	#5725.00	59.0 AV	78.1	-19.1	1.05 H	19	21.00	38.00
9	*5745.00	110.5 PK			1.01 H	181	72.50	38.00
10	*5745.00	98.1 AV			1.01 H	181	60.10	38.00
11	11490.00	55.7 PK	74.0	-18.3	1.09 H	175	7.70	48.00
12	11490.00	42.5 AV	54.0	-11.5	1.09 H	175	-5.50	48.00

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Frank Wang

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	4960.00	59.4 PK	74.0	-14.6	1.06 V	328	23.00	36.40
2	4960.00	48.4 AV	54.0	-5.6	1.06 V	328	12.00	36.40
3	5120.00	64.1 PK	74.0	-9.9	1.02 V	33	27.40	36.70
4	5120.00	51.3 AV	54.0	-2.7	1.02 V	33	14.60	36.70
5	5400.00	62.6 PK	74.0	-11.4	1.09 V	312	25.40	37.20
6	5400.00	51.5 AV	54.0	-2.5	1.09 V	312	14.30	37.20
7	#5725.00	82.8 PK	93.1	-10.3	1.13 V	354	44.80	38.00
8	#5725.00	61.6 AV	80.8	-19.2	1.13 V	354	23.60	38.00
9	*5745.00	113.1 PK			1.16 V	299	75.10	38.00
10	*5745.00	100.8 AV			1.16 V	299	62.80	38.00
11	11490.00	56.0 PK	74.0	-18.0	1.06 V	133	8.00	48.00
12	11490.00	42.7 AV	54.0	-11.3	1.06 V	133	-5.30	48.00

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. " * ": Fundamental frequency.

6. The limit value is defined as per 15.247.

7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 157	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Frank Wang

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	5120.00	63.3 PK	74.0	-10.7	1.12 H	182	26.60	36.70
2	5120.00	50.6 AV	54.0	-3.4	1.12 H	182	13.90	36.70
3	5400.00	61.1 PK	74.0	-12.9	1.10 H	251	23.90	37.20
4	5400.00	52.6 AV	54.0	-1.4	1.10 H	251	15.40	37.20
5	*5785.00	110.1 PK			1.05 H	81	72.10	38.00
6	*5785.00	97.7 AV			1.05 H	81	59.70	38.00
7	11570.00	56.0 PK	74.0	-18.0	1.08 H	211	8.10	47.90
8	11570.00	42.7 AV	54.0	-11.3	1.08 H	211	-5.20	47.90
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	5120.00	62.8 PK	74.0	-11.2	1.08 V	47	26.10	36.70
2	5120.00	50.2 AV	54.0	-3.8	1.08 V	47	13.50	36.70
3	5400.00	61.4 PK	74.0	-12.6	1.09 V	315	24.20	37.20
4	5400.00	51.2 AV	54.0	-2.8	1.09 V	315	14.00	37.20
5	*5785.00	112.8 PK			1.06 V	351	74.80	38.00
6	*5785.00	100.5 AV			1.06 V	351	62.50	38.00
7	11570.00	56.2 PK	74.0	-17.8	1.09 V	144	8.30	47.90
8	11570.00	43.0 AV	54.0	-11.0	1.09 V	144	-4.90	47.90

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 165	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Frank Wang

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	5360.00	60.8 PK	74.0	-13.2	1.09 H	45	23.60	37.20
2	5360.00	52.3 AV	54.0	-1.7	1.09 H	45	15.10	37.20
3	5400.00	60.8 PK	74.0	-13.2	1.03 H	15	23.60	37.20
4	5400.00	52.4 AV	54.0	-1.6	1.03 H	15	15.20	37.20
5	*5825.00	107.5 PK			1.09 H	93	69.40	38.10
6	*5825.00	95.1 AV			1.09 H	93	57.00	38.10
7	#5850.00	65.3 PK	87.5	-22.2	1.03 H	24	27.10	38.20
8	#5850.00	46.5 AV	75.1	-28.6	1.03 H	24	8.30	38.20
9	11650.00	55.5 PK	74.0	-18.5	1.12 H	187	7.80	47.70
10	11650.00	42.3 AV	54.0	-11.7	1.12 H	187	-5.40	47.70

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 165	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Frank Wang

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	5360.00	63.5 PK	74.0	-10.5	1.10 V	18	26.30	37.20
2	5360.00	50.9 AV	54.0	-3.1	1.10 V	18	13.70	37.20
3	5400.00	61.1 PK	74.0	-12.9	1.09 V	341	23.90	37.20
4	5400.00	51.0 AV	54.0	-3.0	1.09 V	341	13.80	37.20
5	*5825.00	110.1 PK			1.09 V	275	72.00	38.10
6	*5825.00	98.0 AV			1.09 V	275	59.90	38.10
7	#5850.00	66.8 PK	90.1	-23.3	1.22 V	211	28.60	38.20
8	#5850.00	48.3 AV	78.0	-29.7	1.22 V	211	10.10	38.20
9	11650.00	55.8 PK	74.0	-18.2	1.08 V	69	8.10	47.70
10	11650.00	42.5 AV	54.0	-11.5	1.08 V	69	-5.20	47.70

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

802.11n (40MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 151	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Frank Wang

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	5400.00	60.9 PK	74.0	-13.1	1.09 H	288	23.70	37.20
2	5400.00	52.2 AV	54.0	-1.8	1.09 H	288	15.00	37.20
3	#5725.00	67.9 PK	87.5	-19.6	1.08 H	29	29.90	38.00
4	#5725.00	50.8 AV	75.0	-24.2	1.08 H	29	12.80	38.00
5	*5755.00	107.5 PK			1.09 H	25	69.50	38.00
6	*5755.00	95.0 AV			1.09 H	25	57.00	38.00
7	11510.00	56.1 PK	74.0	-17.9	1.11 H	114	8.10	48.00
8	11510.00	42.9 AV	54.0	-11.1	1.11 H	114	-5.10	48.00
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	5400.00	62.1 PK	74.0	-11.9	1.05 V	258	24.90	37.20
2	5400.00	51.4 AV	54.0	-2.6	1.05 V	258	14.20	37.20
3	#5725.00	70.3 PK	90.1	-19.8	1.12 V	312	32.30	38.00
4	#5725.00	53.1 AV	77.8	-24.7	1.12 V	312	15.10	38.00
5	*5755.00	110.1 PK			1.12 V	312	72.10	38.00
6	*5755.00	97.8 AV			1.12 V	312	59.80	38.00
7	11510.00	56.0 PK	74.0	-18.0	1.22 V	258	8.00	48.00
8	11510.00	42.6 AV	54.0	-11.4	1.22 V	258	-5.40	48.00

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 159	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Frank Wang

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	5400.00	61.2 PK	74.0	-12.8	1.08 H	251	24.00	37.20
2	5400.00	52.3 AV	54.0	-1.7	1.08 H	251	15.10	37.20
3	*5795.00	105.7 PK			1.15 H	25	67.60	38.10
4	*5795.00	93.1 AV			1.15 H	25	55.00	38.10
5	#5850.00	54.1 PK	85.7	-31.6	1.09 H	258	15.90	38.20
6	#5850.00	39.1 AV	73.1	-34.0	1.09 H	258	0.90	38.20
7	11590.00	55.7 PK	74.0	-18.3	1.08 H	66	7.80	47.90
8	11590.00	42.5 AV	54.0	-11.5	1.08 H	66	-5.40	47.90
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	5400.00	62.0 PK	74.0	-12.0	1.09 V	332	24.80	37.20
2	5400.00	51.1 AV	54.0	-2.9	1.09 V	332	13.90	37.20
3	*5795.00	108.5 PK			1.22 V	312	70.40	38.10
4	*5795.00	96.0 AV			1.22 V	312	57.90	38.10
5	#5850.00	56.1 PK	88.5	-32.4	1.05 V	157	17.90	38.20
6	#5850.00	41.3 AV	76.0	-34.7	1.05 V	157	3.10	38.20
7	11590.00	56.3 PK	74.0	-17.7	1.13 V	51	8.40	47.90
8	11590.00	43.0 AV	54.0	-11.0	1.13 V	51	-4.90	47.90

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. " * ": Fundamental frequency.

6. The limit value is defined as per 15.247.

7. "#":The radiated frequency is out the restricted band.

BELOW 1GHz WORST-CASE DATA：802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1013 hPa	TESTED BY	Brad Wu

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	121.28	34.9 QP	43.5	-8.6	1.75 H	305	22.40	12.50
2	201.00	37.3 QP	43.5	-6.2	1.75 H	243	27.00	10.30
3	232.11	41.4 QP	46.0	-4.6	1.75 H	105	29.50	11.90
4	300.16	41.9 QP	46.0	-4.1	1.25 H	182	27.20	14.70
5	498.47	36.4 QP	46.0	-9.6	1.25 H	63	16.60	19.80
6	801.78	38.8 QP	46.0	-7.2	1.25 H	163	14.10	24.70
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	30.00	34.3 QP	40.0	-5.7	1.75 V	63	21.80	12.50
2	57.12	32.1 QP	40.0	-7.9	1.25 V	157	18.60	13.50
3	201.00	35.4 QP	43.5	-8.1	1.75 V	108	25.10	10.30
4	235.99	31.7 QP	46.0	-14.3	1.75 V	263	19.60	12.10
5	337.10	31.4 QP	46.0	-14.6	1.25 V	182	15.80	15.60
6	599.58	33.2 QP	46.0	-12.8	1.25 V	78	11.20	22.00

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.

5.1.10 TEST RESULTS (TEST MODE B 2)

802.11a

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	**FREQUENCY RANGE**	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	**TESTED BY**	Brad Wu

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	5120.00	59.1 PK	74.0	-14.9	1.01 H	2	22.40	36.70
2	5120.00	52.0 AV	54.0	-2.0	1.01 H	2	15.30	36.70
3	5400.00	61.4 PK	74.0	-12.6	1.03 H	4	24.20	37.20
4	5400.00	52.8 AV	54.0	-1.2	1.03 H	4	15.60	37.20
5	**#5725.00**	**80.5 PK**	**80.6**	**-0.1**	**1.01 H**	**5**	**42.50**	**38.00**
6	#5725.00	59.1 AV	78.1	-19.0	1.01 H	5	21.10	38.00
7	*5745.00	100.6 PK			1.01 H	5	62.60	38.00
8	*5745.00	98.1 AV			1.01 H	5	60.10	38.00
9	11490.00	56.4 PK	74.0	-17.6	1.04 H	221	8.40	48.00
10	11490.00	43.1 AV	54.0	-10.9	1.04 H	221	-4.90	48.00

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Brad Wu

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	5120.00	64.2 PK	74.0	-9.8	1.03 V	5	27.50	36.70
2	5120.00	51.5 AV	54.0	-2.5	1.03 V	5	14.80	36.70
3	5400.00	62.8 PK	74.0	-11.2	1.05 V	349	25.60	37.20
4	5400.00	51.7 AV	54.0	-2.3	1.05 V	349	14.50	37.20
5	#5725.00	82.8 PK	93.2	-10.4	1.09 V	358	44.80	38.00
6	#5725.00	61.6 AV	80.8	-19.2	1.09 V	358	23.60	38.00
7	*5745.00	113.2 PK			1.09 V	358	75.20	38.00
8	*5745.00	100.8 AV			1.09 V	358	62.80	38.00
9	11490.00	56.6 PK	74.0	-17.4	1.01 V	148	8.60	48.00
10	11490.00	43.2 AV	54.0	-10.8	1.01 V	148	-4.80	48.00

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 157	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Brad Wu

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	5120.00	63.8 PK	74.0	-10.2	1.03 H	4	27.10	36.70
2	5120.00	51.2 AV	54.0	-2.8	1.03 H	4	14.50	36.70
3	5400.00	61.3 PK	74.0	-12.7	1.04 H	3	24.10	37.20
4	5400.00	52.6 AV	54.0	-1.4	1.04 H	3	15.40	37.20
5	*5785.00	110.4 PK			1.02 H	6	72.40	38.00
6	*5785.00	97.9 AV			1.02 H	6	59.90	38.00
7	11570.00	56.2 PK	74.0	-17.8	1.05 H	198	8.30	47.90
8	11570.00	42.8 AV	54.0	-11.2	1.05 H	198	-5.10	47.90
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	5120.00	63.4 PK	74.0	-10.6	1.03 V	5	26.70	36.70
2	5120.00	50.8 AV	54.0	-3.2	1.03 V	5	14.10	36.70
3	5400.00	61.6 PK	74.0	-12.4	1.04 V	345	24.40	37.20
4	5400.00	51.3 AV	54.0	-2.7	1.04 V	345	14.10	37.20
5	*5785.00	112.9 PK			1.10 V	358	74.90	38.00
6	*5785.00	100.6 AV			1.10 V	358	62.60	38.00
7	11570.00	56.9 PK	74.0	-17.1	1.14 V	129	9.00	47.90
8	11570.00	43.4 AV	54.0	-10.6	1.14 V	129	-4.50	47.90

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 165	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Brad Wu

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	5360.00	61.1 PK	74.0	-12.9	1.05 H	3	23.90	37.20
2	5360.00	52.7 AV	54.0	-1.3	1.05 H	3	15.50	37.20
3	5400.00	61.4 PK	74.0	-12.6	1.05 H	4	24.20	37.20
4	5400.00	52.8 AV	54.0	-1.2	1.05 H	4	15.60	37.20
5	*5825.00	107.6 PK			1.01 H	4	69.50	38.10
6	*5825.00	95.2 AV			1.01 H	4	57.10	38.10
7	#5850.00	65.4 PK	87.6	-22.2	1.01 H	4	27.20	38.20
8	#5850.00	46.6 AV	75.2	-28.6	1.01 H	4	8.40	38.20
9	11650.00	56.1 PK	74.0	-17.9	1.03 H	221	8.40	47.70
10	11650.00	42.9 AV	54.0	-11.1	1.03 H	221	-4.80	47.70

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 165	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Brad Wu

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	5360.00	63.5 PK	74.0	-10.5	1.05 V	4	26.30	37.20
2	5360.00	51.0 AV	54.0	-3.0	1.05 V	4	13.80	37.20
3	5400.00	61.6 PK	74.0	-12.4	1.03 V	348	24.40	37.20
4	5400.00	51.5 AV	54.0	-2.5	1.03 V	348	14.30	37.20
5	*5825.00	110.2 PK			1.08 V	356	72.10	38.10
6	*5825.00	98.1 AV			1.08 V	356	60.00	38.10
7	#5850.00	67.0 PK	90.2	-23.2	1.08 V	356	28.80	38.20
8	#5850.00	48.4 AV	78.1	-29.7	1.08 V	356	10.20	38.20
9	11650.00	56.4 PK	74.0	-17.6	1.01 V	213	8.70	47.70
10	11650.00	43.1 AV	54.0	-10.9	1.01 V	213	-4.60	47.70

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Brad Wu

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	4960.00	55.6 PK	74.0	-18.4	1.05 H	213	19.20	36.40
2	4960.00	46.8 AV	54.0	-7.2	1.05 H	213	10.40	36.40
3	5120.00	58.9 PK	74.0	-15.1	1.00 H	1	22.20	36.70
4	5120.00	51.8 AV	54.0	-2.2	1.00 H	1	15.10	36.70
5	5400.00	61.6 PK	74.0	-12.4	1.06 H	1	24.40	37.20
6	5400.00	52.9 AV	54.0	-1.1	1.06 H	1	15.70	37.20
7	#5725.00	80.7 PK	90.8	-10.1	1.00 H	4	42.70	38.00
8	#5725.00	59.3 AV	78.3	-19.0	1.00 H	4	21.30	38.00
9	*5745.00	110.8 PK			1.00 H	4	72.80	38.00
10	*5745.00	98.3 AV			1.00 H	4	60.30	38.00
11	11490.00	56.0 PK	74.0	-18.0	1.05 H	212	8.00	48.00
12	11490.00	42.8 AV	54.0	-11.2	1.05 H	212	-5.20	48.00

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Brad Wu

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	4960.00	59.7 PK	74.0	-14.3	1.02 V	340	23.30	36.40
2	4960.00	48.9 AV	54.0	-5.1	1.02 V	340	12.50	36.40
3	5120.00	64.5 PK	74.0	-9.5	1.00 V	2	27.80	36.70
4	5120.00	51.7 AV	54.0	-2.3	1.00 V	2	15.00	36.70
5	5400.00	62.9 PK	74.0	-11.1	1.04 V	347	25.70	37.20
6	5400.00	51.9 AV	54.0	-2.1	1.04 V	347	14.70	37.20
7	#5725.00	83.1 PK	93.4	-10.3	1.10 V	359	45.10	38.00
8	#5725.00	61.9 AV	81.0	-19.1	1.10 V	359	23.90	38.00
9	*5745.00	113.4 PK			1.10 V	359	75.40	38.00
10	*5745.00	101.0 AV			1.10 V	359	63.00	38.00
11	11490.00	56.3 PK	74.0	-17.7	1.03 V	141	8.30	48.00
12	11490.00	43.0 AV	54.0	-11.0	1.03 V	141	-5.00	48.00

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. " * ": Fundamental frequency.

6. The limit value is defined as per 15.247.

7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 157	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Brad Wu

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	5120.00	63.6 PK	74.0	-10.4	1.05 H	3	26.90	36.70
2	5120.00	50.9 AV	54.0	-3.1	1.05 H	3	14.20	36.70
3	5400.00	61.4 PK	74.0	-12.6	1.05 H	2	24.20	37.20
4	5400.00	52.8 AV	54.0	-1.2	1.05 H	2	15.60	37.20
5	*5785.00	110.5 PK			1.01 H	5	72.50	38.00
6	*5785.00	98.1 AV			1.01 H	5	60.10	38.00
7	11570.00	56.3 PK	74.0	-17.7	1.04 H	202	8.40	47.90
8	11570.00	43.0 AV	54.0	-11.0	1.04 H	202	-4.90	47.90
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	5120.00	63.2 PK	74.0	-10.8	1.01 V	3	26.50	36.70
2	5120.00	50.6 AV	54.0	-3.4	1.01 V	3	13.90	36.70
3	5400.00	61.8 PK	74.0	-12.2	1.05 V	347	24.60	37.20
4	5400.00	51.5 AV	54.0	-2.5	1.05 V	347	14.30	37.20
5	*5785.00	113.1 PK			1.09 V	359	75.10	38.00
6	*5785.00	100.8 AV			1.09 V	359	62.80	38.00
7	11570.00	56.6 PK	74.0	-17.4	1.04 V	138	8.70	47.90
8	11570.00	43.2 AV	54.0	-10.8	1.04 V	138	-4.70	47.90

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. " * ": Fundamental frequency.

6. The limit value is defined as per 15.247.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 165	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Brad Wu

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	5360.00	61.0 PK	74.0	-13.0	1.06 H	3	23.80	37.20
2	5360.00	52.6 AV	54.0	-1.4	1.06 H	3	15.40	37.20
3	5400.00	61.2 PK	74.0	-12.8	1.06 H	4	24.00	37.20
4	5400.00	52.7 AV	54.0	-1.3	1.06 H	4	15.50	37.20
5	*5825.00	107.8 PK			1.00 H	6	69.70	38.10
6	*5825.00	95.4 AV			1.00 H	6	57.30	38.10
7	#5850.00	65.6 PK	87.8	-22.2	1.00 H	6	27.40	38.20
8	#5850.00	46.9 AV	75.4	-28.5	1.00 H	6	8.70	38.20
9	11650.00	55.9 PK	74.0	-18.1	1.06 H	55	8.20	47.70
10	11650.00	42.6 AV	54.0	-11.4	1.06 H	55	-5.10	47.70

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 165	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Brad Wu

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	5360.00	63.8 PK	74.0	-10.2	1.06 V	2	26.60	37.20
2	5360.00	51.2 AV	54.0	-2.8	1.06 V	2	14.00	37.20
3	5400.00	61.5 PK	74.0	-12.5	1.05 V	349	24.30	37.20
4	5400.00	51.3 AV	54.0	-2.7	1.05 V	349	14.10	37.20
5	*5825.00	110.4 PK			1.10 V	358	72.30	38.10
6	*5825.00	98.3 AV			1.10 V	358	60.20	38.10
7	#5850.00	67.2 PK	90.4	-23.2	1.10 V	358	29.00	38.20
8	#5850.00	48.6 AV	78.3	-29.7	1.10 V	358	10.40	38.20
9	11650.00	56.1 PK	74.0	-17.9	1.11 V	45	8.40	47.70
10	11650.00	42.8 AV	54.0	-11.2	1.11 V	45	-4.90	47.70

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

802.11n (40MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 151	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Brad Wu

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	5400.00	61.2 PK	74.0	-12.8	1.05 H	351	24.00	37.20
2	5400.00	52.3 AV	54.0	-1.7	1.05 H	351	15.10	37.20
3	#5725.00	68.2 PK	87.8	-19.6	1.02 H	5	30.20	38.00
4	#5725.00	51.1 AV	75.2	-24.1	1.02 H	5	13.10	38.00
5	*5755.00	107.8 PK			1.02 H	5	69.80	38.00
6	*5755.00	95.2 AV			1.02 H	5	57.20	38.00
7	11510.00	56.5 PK	74.0	-17.5	1.14 H	36	8.50	48.00
8	11510.00	43.2 AV	54.0	-10.8	1.14 H	36	-4.80	48.00
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	5400.00	62.5 PK	74.0	-11.5	1.03 V	352	25.30	37.20
2	5400.00	51.7 AV	54.0	-2.3	1.03 V	352	14.50	37.20
3	#5725.00	70.6 PK	90.5	-19.9	1.08 V	356	32.60	38.00
4	#5725.00	53.4 AV	78.1	-24.7	1.08 V	356	15.40	38.00
5	*5755.00	110.5 PK			1.08 V	356	72.50	38.00
6	*5755.00	98.1 AV			1.08 V	356	60.10	38.00
7	11510.00	56.3 PK	74.0	-17.7	1.08 V	225	8.30	48.00
8	11510.00	42.9 AV	54.0	-11.1	1.08 V	225	-5.10	48.00

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 159	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1013 hPa	TESTED BY	Brad Wu

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	5400.00	61.5 PK	74.0	-12.5	1.04 H	356	24.30	37.20
2	5400.00	52.6 AV	54.0	-1.4	1.04 H	356	15.40	37.20
3	*5795.00	106.0 PK			1.03 H	6	67.90	38.10
4	*5795.00	93.4 AV			1.03 H	6	55.30	38.10
5	#5850.00	54.3 PK	86.0	-31.7	1.03 H	6	16.10	38.20
6	#5850.00	39.4 AV	73.4	-34.0	1.03 H	6	1.20	38.20
7	11590.00	56.1 PK	74.0	-17.9	1.02 H	56	8.20	47.90
8	11590.00	42.8 AV	54.0	-11.2	1.02 H	56	-5.10	47.90
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	5400.00	62.3 PK	74.0	-11.7	1.05 V	349	25.10	37.20
2	5400.00	51.5 AV	54.0	-2.5	1.05 V	349	14.30	37.20
3	*5795.00	108.8 PK			1.09 V	358	70.70	38.10
4	*5795.00	96.2 AV			1.09 V	358	58.10	38.10
5	#5850.00	56.5 PK	88.8	-32.3	1.09 V	358	18.30	38.20
6	#5850.00	41.6 AV	76.2	-34.6	1.09 V	358	3.40	38.20
7	11590.00	56.6 PK	74.0	-17.4	1.18 V	24	8.70	47.90
8	11590.00	43.2 AV	54.0	-10.8	1.18 V	24	-4.70	47.90

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

BELOW 1GHz WORST-CASE DATA：802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1013 hPa	TESTED BY	Brad Wu

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	99.89	37.1 QP	43.5	-6.4	2.00 H	52	27.00	10.10
2	232.11	41.8 QP	46.0	-4.2	1.50 H	118	29.90	11.90
3	300.16	41.3 QP	46.0	-4.7	1.00 H	265	26.60	14.70
4	498.47	37.1 QP	46.0	-8.9	1.50 H	229	17.30	19.80
5	739.57	38.1 QP	46.0	-7.9	1.00 H	217	14.10	24.00
6	801.78	39.9 QP	46.0	-6.1	1.50 H	223	15.20	24.70
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	57.12	31.6 QP	40.0	-8.4	1.00 V	241	18.10	13.50
2	201.00	34.4 QP	43.5	-9.1	1.50 V	187	24.10	10.30
3	298.21	31.9 QP	46.0	-14.1	1.00 V	310	17.30	14.60
4	337.10	30.7 QP	46.0	-15.3	1.50 V	355	15.10	15.60
5	599.58	32.5 QP	46.0	-13.5	1.50 V	13	10.50	22.00
6	753.18	33.6 QP	46.0	-12.4	1.00 V	196	9.50	24.10

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.

5.1.11 TEST RESULTS (TEST MODE C 1)

802.11a

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1015 hPa	TESTED BY	Brad Wu

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	5360.00	60.1 PK	74.0	-13.9	1.28 H	5	22.90	37.20
2	5360.00	52.8 AV	54.0	-1.2	1.28 H	5	15.60	37.20
3	#5725.00	80.5 PK	91.7	-11.2	1.20 H	9	42.50	38.00
4	#5725.00	58.6 AV	79.7	-21.1	1.20 H	9	20.60	38.00
5	*5745.00	111.7 PK			1.12 H	12	73.70	38.00
6	*5745.00	99.7 AV			1.12 H	12	61.70	38.00
7	11490.00	54.0 PK	74.0	-20.0	1.22 H	8	6.00	48.00
8	11490.00	43.1 AV	54.0	-10.9	1.22 H	8	-4.90	48.00
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	5360.00	58.2 PK	74.0	-15.8	1.25 V	3	21.00	37.20
2	5360.00	48.8 AV	54.0	-5.2	1.25 V	3	11.60	37.20
3	#5725.00	82.5 PK	95.9	-13.4	1.20 V	7	44.50	38.00
4	#5725.00	63.7 AV	84.9	-21.2	1.20 V	7	25.70	38.00
5	*5745.00	115.9 PK			1.17 V	7	77.90	38.00
6	*5745.00	104.9 AV			1.17 V	7	66.90	38.00
7	11490.00	54.2 PK	74.0	-19.8	1.23 V	135	6.20	48.00
8	11490.00	43.7 AV	54.0	-10.3	1.23 V	135	-4.30	48.00

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 157	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1015 hPa	TESTED BY	Brad Wu

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	5360.00	58.9 PK	74.0	-15.1	1.07 H	12	21.70	37.20
2	5360.00	52.7 AV	54.0	-1.3	1.07 H	12	15.50	37.20
3	*5785.00	110.8 PK			1.33 H	17	72.80	38.00
4	*5785.00	98.3 AV			1.33 H	17	60.30	38.00
5	11570.00	53.9 PK	74.0	-20.1	1.08 H	15	6.00	47.90
6	11570.00	43.0 AV	54.0	-11.0	1.08 H	15	-4.90	47.90
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	5360.00	56.8 PK	74.0	-17.2	1.18 V	5	19.60	37.20
2	5360.00	47.5 AV	54.0	-6.5	1.18 V	5	10.30	37.20
3	*5785.00	114.1 PK			1.08 V	37	76.10	38.00
4	*5785.00	103.2 AV			1.08 V	37	65.20	38.00
5	11570.00	54.1 PK	74.0	-19.9	1.07 V	8	6.20	47.90
6	11570.00	43.3 AV	54.0	-10.7	1.07 V	8	-4.60	47.90

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 165	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1015 hPa	TESTED BY	Brad Wu

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	5360.00	60.1 PK	74.0	-13.9	1.22 H	7	22.90	37.20
2	5360.00	52.7 AV	54.0	-1.3	1.22 H	7	15.50	37.20
3	*5825.00	108.8 PK			1.22 H	7	70.70	38.10
4	*5825.00	97.5 AV			1.22 H	7	59.40	38.10
5	#5850.00	74.2 PK	88.8	-14.6	1.20 H	8	36.00	38.20
6	#5850.00	55.2 AV	77.5	-22.3	1.20 H	8	17.00	38.20
7	11650.00	54.2 PK	74.0	-19.8	1.24 H	12	6.50	47.70
8	11650.00	43.0 AV	54.0	-11.0	1.24 H	12	-4.70	47.70
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	5360.00	57.2 PK	74.0	-16.8	1.21 V	15	20.00	37.20
2	5360.00	49.0 AV	54.0	-5.0	1.21 V	15	11.80	37.20
3	*5825.00	113.0 PK			1.07 V	3	74.90	38.10
4	*5825.00	102.1 AV			1.07 V	3	64.00	38.10
5	#5850.00	72.1 PK	93.0	-20.9	1.12 V	7	33.90	38.20
6	#5850.00	54.2 AV	82.1	-27.9	1.12 V	7	16.00	38.20
7	11650.00	54.3 PK	74.0	-19.7	1.05 V	21	6.60	47.70
8	11650.00	43.2 AV	54.0	-10.8	1.05 V	21	-4.50	47.70

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1015 hPa	TESTED BY	Brad Wu

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	5400.00	60.7 PK	74.0	-13.3	1.07 H	8	23.50	37.20
2	5400.00	52.8 AV	54.0	-1.2	1.07 H	8	15.60	37.20
3	#5725.00	78.9 PK	93.5	-14.6	1.12 H	5	40.90	38.00
4	#5725.00	58.1 AV	82.1	-24.0	1.12 H	5	20.10	38.00
5	*5745.00	113.5 PK			1.12 H	5	75.50	38.00
6	*5745.00	102.1 AV			1.12 H	5	64.10	38.00
7	11490.00	53.2 PK	74.0	-20.8	1.25 H	8	5.20	48.00
8	11490.00	42.8 AV	54.0	-11.2	1.25 H	8	-5.20	48.00
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	5400.00	60.0 PK	74.0	-14.0	1.23 V	17	22.80	37.20
2	5400.00	52.7 AV	54.0	-1.3	1.23 V	17	15.50	37.20
3	#5725.00	81.3 PK	97.2	-15.9	1.22 V	17	43.30	38.00
4	#5725.00	62.1 AV	86.7	-24.6	1.22 V	17	24.10	38.00
5	*5745.00	117.2 PK			1.32 V	14	79.20	38.00
6	*5745.00	106.7 AV			1.32 V	14	68.70	38.00
7	11490.00	54.2 PK	74.0	-19.8	1.05 V	3	6.20	48.00
8	11490.00	43.3 AV	54.0	-10.7	1.05 V	3	-4.70	48.00

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 157	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1015 hPa	TESTED BY	Brad Wu

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	5400.00	59.2 PK	74.0	-14.8	1.17 H	8	22.00	37.20
2	5400.00	52.7 AV	54.0	-1.3	1.17 H	8	15.50	37.20
3	*5785.00	112.3 PK			1.17 H	12	74.30	38.00
4	*5785.00	101.5 AV			1.17 H	12	63.50	38.00
5	11570.00	53.5 PK	74.0	-20.5	1.39 H	32	5.60	47.90
6	11570.00	42.8 AV	54.0	-11.2	1.39 H	32	-5.10	47.90
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	5400.00	59.7 PK	74.0	-14.3	1.25 V	18	22.50	37.20
2	5400.00	52.5 AV	54.0	-1.5	1.25 V	18	15.30	37.20
3	*5785.00	117.2 PK			1.25 V	18	79.20	38.00
4	*5785.00	106.3 AV			1.25 V	18	68.30	38.00
5	11570.00	54.2 PK	74.0	-19.8	1.32 V	2	6.30	47.90
6	11570.00	43.3 AV	54.0	-10.7	1.32 V	2	-4.60	47.90

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 165	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1015 hPa	TESTED BY	Brad Wu

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	5400.00	59.2 PK	74.0	-14.8	1.12 H	32	22.00	37.20
2	5400.00	52.8 AV	54.0	-1.2	1.12 H	32	15.60	37.20
3	*5825.00	110.7 PK			1.07 H	5	72.60	38.10
4	*5825.00	99.8 AV			1.07 H	5	61.70	38.10
5	#5850.00	74.7 PK	90.7	-16.0	1.07 H	5	36.50	38.20
6	#5850.00	56.0 AV	79.8	-23.8	1.07 H	5	17.80	38.20
7	11650.00	53.8 PK	74.0	-20.2	1.17 H	23	6.10	47.70
8	11650.00	43.0 AV	54.0	-11.0	1.17 H	23	-4.70	47.70
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	5400.00	59.5 PK	74.0	-14.5	1.18 V	53	22.30	37.20
2	5400.00	52.3 AV	54.0	-1.7	1.18 V	53	15.10	37.20
3	*5825.00	116.3 PK			1.08 V	7	78.20	38.10
4	*5825.00	105.0 AV			1.08 V	7	66.90	38.10
5	#5850.00	75.3 PK	96.3	-21.0	1.28 V	12	37.10	38.20
6	#5850.00	58.5 AV	85.0	-26.5	1.28 V	12	20.30	38.20
7	11650.00	54.3 PK	74.0	-19.7	1.28 V	18	6.60	47.70
8	11650.00	52.7 AV	54.0	-1.3	1.28 V	18	5.00	47.70

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

802.11n (40MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 151	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1015 hPa	TESTED BY	Brad Wu

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	5440.00	60.2 PK	74.0	-13.8	1.25 H	9	22.90	37.30
2	5440.00	52.7 AV	54.0	-1.3	1.25 H	9	15.40	37.30
3	#5725.00	76.8 PK	89.8	-13.0	1.25 H	11	38.80	38.00
4	#5725.00	57.5 AV	77.7	-20.2	1.25 H	11	19.50	38.00
5	*5755.00	109.8 PK			1.25 H	11	71.80	38.00
6	*5755.00	97.7 AV			1.25 H	11	59.70	38.00
7	11510.00	54.0 PK	74.0	-20.0	1.08 H	15	6.00	48.00
8	11510.00	42.9 AV	54.0	-11.1	1.08 H	15	-5.10	48.00
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	5400.00	60.1 PK	74.0	-13.9	1.20 V	7	22.90	37.20
2	5400.00	52.5 AV	54.0	-1.5	1.20 V	7	15.30	37.20
3	#5725.00	83.5 PK	94.3	-10.8	1.33 V	17	45.50	38.00
4	#5725.00	64.3 AV	82.8	-18.5	1.33 V	17	26.30	38.00
5	*5755.00	114.3 PK			1.33 V	17	76.30	38.00
6	*5755.00	102.8 AV			1.33 V	17	64.80	38.00
7	11510.00	54.1 PK	74.0	-19.9	1.12 V	17	6.10	48.00
8	11510.00	43.5 AV	54.0	-10.5	1.12 V	17	-4.50	48.00

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 159	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1015 hPa	TESTED BY	Brad Wu

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	5400.00	60.2 PK	74.0	-13.8	1.12 H	23	23.00	37.20
2	5400.00	52.9 AV	54.0	-1.1	1.12 H	23	15.70	37.20
3	*5795.00	107.1 PK			1.13 H	25	69.00	38.10
4	*5795.00	96.5 AV			1.13 H	25	58.40	38.10
5	#5850.00	65.0 PK	87.1	-22.1	1.08 H	23	26.80	38.20
6	#5850.00	47.1 AV	76.5	-29.4	1.08 H	23	8.90	38.20
7	11590.00	53.9 PK	74.0	-20.1	1.37 H	47	6.00	47.90
8	11590.00	43.0 AV	54.0	-11.0	1.37 H	47	-4.90	47.90
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	5440.00	60.1 PK	74.0	-13.9	1.14 V	8	22.80	37.30
2	5440.00	52.7 AV	54.0	-1.3	1.14 V	8	15.40	37.30
3	*5795.00	116.0 PK			1.12 V	5	77.90	38.10
4	*5795.00	101.2 AV			1.12 V	5	63.10	38.10
5	#5850.00	69.0 PK	96.0	-27.0	1.12 V	5	30.80	38.20
6	#5850.00	52.7 AV	81.2	-28.5	1.12 V	5	14.50	38.20
7	11590.00	54.7 PK	74.0	-19.3	1.23 V	23	6.80	47.90
8	11590.00	43.5 AV	54.0	-10.5	1.23 V	23	-4.40	47.90

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

BELOW 1GHz WORST-CASE DATA：802.11a

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1015 hPa	TESTED BY	Brad Wu

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	99.89	41.9 QP	43.5	-1.6	2.00 H	163	31.80	10.10
2	189.33	31.3 QP	43.5	-12.2	1.25 H	82	19.90	11.40
3	500.42	33.5 QP	46.0	-12.5	1.75 H	32	13.70	19.80
4	543.19	31.3 QP	46.0	-14.7	1.25 H	210	10.50	20.80
5	665.68	44.8 QP	46.0	-1.2	1.25 H	107	21.70	23.10
6	727.90	31.9 QP	46.0	-14.1	1.25 H	137	8.10	23.80
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	99.89	38.2 QP	43.5	-5.3	1.25 V	53	28.10	10.10
2	333.21	27.8 QP	46.0	-18.2	1.75 V	47	12.30	15.50
3	498.47	31.4 QP	46.0	-14.6	1.25 V	223	11.60	19.80
4	593.74	29.7 QP	46.0	-16.3	1.25 V	143	7.80	21.90
5	667.63	40.3 QP	46.0	-5.7	1.25 V	281	17.20	23.10
6	924.27	36.7 QP	46.0	-9.3	1.25 V	57	10.40	26.30

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.

5.1.12 TEST RESULTS (TEST MODE C 2)

802.11a

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1015 hPa	TESTED BY	Brad Wu

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	5360.00	60.5 PK	74.0	-13.5	1.19 H	1	23.30	37.20
2	5360.00	53.0 AV	54.0	-1.0	1.19 H	1	15.80	37.20
3	#5725.00	80.8 PK	92.1	-11.3	1.21 H	5	42.80	38.00
4	#5725.00	59.0 AV	80.0	-21.0	1.21 H	5	21.00	38.00
5	*5745.00	112.1 PK			1.21 H	5	74.10	38.00
6	*5745.00	100.0 AV			1.21 H	5	62.00	38.00
7	11490.00	54.2 PK	74.0	-19.8	1.20 H	6	6.20	48.00
8	11490.00	43.3 AV	54.0	-10.7	1.20 H	6	-4.70	48.00
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	5360.00	58.6 PK	74.0	-15.4	1.16 V	2	21.40	37.20
2	5360.00	48.6 AV	54.0	-5.4	1.16 V	2	11.40	37.20
3	#5725.00	82.2 PK	96.3	-14.1	1.19 V	5	44.20	38.00
4	#5725.00	63.5 AV	85.2	-21.7	1.19 V	5	25.50	38.00
5	*5745.00	116.3 PK			1.19 V	5	78.30	38.00
6	*5745.00	105.2 AV			1.19 V	5	67.20	38.00
7	11490.00	54.5 PK	74.0	-19.5	1.21 V	128	6.50	48.00
8	11490.00	43.9 AV	54.0	-10.1	1.21 V	128	-4.10	48.00

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 157	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1015 hPa	TESTED BY	Brad Wu

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	5360.00	60.0 PK	74.0	-14.0	1.18 H	3	22.80	37.20
2	5360.00	52.8 AV	54.0	-1.2	1.18 H	3	15.60	37.20
3	*5785.00	111.1 PK			1.25 H	1	73.10	38.00
4	*5785.00	98.6 AV			1.25 H	1	60.60	38.00
5	11570.00	54.1 PK	74.0	-19.9	1.11 H	7	6.20	47.90
6	11570.00	43.2 AV	54.0	-10.8	1.11 H	7	-4.70	47.90
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	5360.00	57.2 PK	74.0	-16.8	1.14 V	1	20.00	37.20
2	5360.00	48.1 AV	54.0	-5.9	1.14 V	1	10.90	37.20
3	*5785.00	114.5 PK			1.21 V	33	76.50	38.00
4	*5785.00	103.5 AV			1.21 V	33	65.50	38.00
5	11570.00	54.4 PK	74.0	-19.6	1.13 V	6	6.50	47.90
6	11570.00	43.8 AV	54.0	-10.2	1.13 V	6	-4.10	47.90

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 165	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1015 hPa	TESTED BY	Brad Wu

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	5360.00	60.5 PK	74.0	-13.5	1.20 H	1	23.30	37.20
2	5360.00	53.0 AV	54.0	-1.0	1.20 H	1	15.80	37.20
3	*5825.00	109.2 PK			1.20 H	2	71.10	38.10
4	*5825.00	97.7 AV			1.20 H	2	59.60	38.10
5	#5850.00	74.7 PK	89.2	-14.5	1.20 H	2	36.50	38.20
6	#5850.00	55.7 AV	77.7	-22.0	1.20 H	2	17.50	38.20
7	11650.00	54.6 PK	74.0	-19.4	1.26 H	8	6.90	47.70
8	11650.00	43.4 AV	54.0	-10.6	1.26 H	8	-4.30	47.70
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	5360.00	57.9 PK	74.0	-16.1	1.16 V	3	20.70	37.20
2	5360.00	49.3 AV	54.0	-4.7	1.16 V	3	12.10	37.20
3	*5825.00	113.4 PK			1.18 V	2	75.30	38.10
4	*5825.00	102.5 AV			1.18 V	2	64.40	38.10
5	#5850.00	72.3 PK	93.4	-21.1	1.18 V	2	34.10	38.20
6	#5850.00	54.5 AV	82.5	-28.0	1.18 V	2	16.30	38.20
7	11650.00	54.6 PK	74.0	-19.4	1.12 V	8	6.90	47.70
8	11650.00	43.7 AV	54.0	-10.3	1.12 V	8	-4.00	47.70

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1015 hPa	TESTED BY	Brad Wu

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	5400.00	60.9 PK	74.0	-13.1	1.19 H	2	23.70	37.20
2	5400.00	52.9 AV	54.0	-1.1	1.19 H	2	15.70	37.20
3	#5725.00	79.3 PK	93.9	-14.6	1.13 H	2	41.30	38.00
4	#5725.00	58.4 AV	82.5	-24.1	1.13 H	2	20.40	38.00
5	*5745.00	113.9 PK			1.13 H	2	75.90	38.00
6	*5745.00	102.5 AV			1.13 H	2	64.50	38.00
7	11490.00	53.9 PK	74.0	-20.1	1.33 H	6	5.90	48.00
8	11490.00	43.1 AV	54.0	-10.9	1.33 H	6	-4.90	48.00
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	5400.00	60.4 PK	74.0	-13.6	1.26 V	3	23.20	37.20
2	5400.00	53.0 AV	54.0	-1.0	1.26 V	3	15.80	37.20
3	#5725.00	81.5 PK	97.6	-16.1	1.27 V	5	43.50	38.00
4	#5725.00	62.4 AV	87.1	-24.7	1.27 V	5	24.40	38.00
5	*5745.00	117.6 PK			1.27 V	5	79.60	38.00
6	*5745.00	107.1 AV			1.27 V	5	69.10	38.00
7	11490.00	54.8 PK	74.0	-19.2	1.18 V	6	6.80	48.00
8	11490.00	43.6 AV	54.0	-10.4	1.18 V	6	-4.40	48.00

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 157	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1015 hPa	TESTED BY	Brad Wu

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	5400.00	60.3 PK	74.0	-13.7	1.21 H	1	23.10	37.20
2	5400.00	52.8 AV	54.0	-1.2	1.21 H	1	15.60	37.20
3	*5785.00	112.8 PK			1.12 H	4	74.80	38.00
4	*5785.00	101.8 AV			1.12 H	4	63.80	38.00
5	11570.00	53.9 PK	74.0	-20.1	1.34 H	8	6.00	47.90
6	11570.00	43.2 AV	54.0	-10.8	1.34 H	8	-4.70	47.90
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	5400.00	60.1 PK	74.0	-13.9	1.25 V	4	22.90	37.20
2	5400.00	53.0 AV	54.0	-1.0	1.25 V	4	15.80	37.20
3	*5785.00	117.7 PK			1.31 V	4	79.70	38.00
4	*5785.00	106.9 AV			1.31 V	4	68.90	38.00
5	11570.00	54.7 PK	74.0	-19.3	1.26 V	9	6.80	47.90
6	11570.00	43.8 AV	54.0	-10.2	1.26 V	9	-4.10	47.90

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 165	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1015 hPa	TESTED BY	Brad Wu

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	5400.00	60.1 PK	74.0	-13.9	1.19 H	3	22.90	37.20
2	5400.00	52.7 AV	54.0	-1.3	1.19 H	3	15.50	37.20
3	*5825.00	111.2 PK			1.14 H	6	73.10	38.10
4	*5825.00	100.4 AV			1.14 H	6	62.30	38.10
5	#5850.00	75.1 PK	91.2	-16.1	1.14 H	6	36.90	38.20
6	#5850.00	56.3 AV	80.4	-24.1	1.14 H	6	18.10	38.20
7	11650.00	54.1 PK	74.0	-19.9	1.20 H	8	6.40	47.70
8	11650.00	43.4 AV	54.0	-10.6	1.20 H	8	-4.30	47.70
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	5400.00	59.9 PK	74.0	-14.1	1.30 V	6	22.70	37.20
2	5400.00	52.8 AV	54.0	-1.2	1.30 V	6	15.60	37.20
3	*5825.00	116.8 PK			1.29 V	3	78.70	38.10
4	*5825.00	105.4 AV			1.29 V	3	67.30	38.10
5	#5850.00	75.9 PK	96.8	-20.9	1.29 V	3	37.70	38.20
6	#5850.00	58.9 AV	85.4	-26.5	1.29 V	3	20.70	38.20
7	11650.00	54.9 PK	74.0	-19.1	1.33 V	7	7.20	47.70
8	11650.00	53.0 AV	54.0	-1.0	1.33 V	7	5.30	47.70

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

802.11n (40MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 151	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1015 hPa	TESTED BY	Brad Wu

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	5440.00	60.8 PK	74.0	-13.2	1.19 H	2	23.50	37.30
2	5440.00	53.0 AV	54.0	-1.0	1.19 H	2	15.70	37.30
3	#5725.00	77.1 PK	90.1	-13.0	1.19 H	2	39.10	38.00
4	#5725.00	57.6 AV	78.0	-20.4	1.19 H	2	19.60	38.00
5	*5755.00	110.1 PK			1.20 H	5	72.10	38.00
6	*5755.00	98.0 AV			1.20 H	5	60.00	38.00
7	11510.00	54.2 PK	74.0	-19.8	1.18 H	3	6.20	48.00
8	11510.00	43.1 AV	54.0	-10.9	1.18 H	3	-4.90	48.00
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	5400.00	60.4 PK	74.0	-13.6	1.18 V	2	23.20	37.20
2	5400.00	52.8 AV	54.0	-1.2	1.18 V	2	15.60	37.20
3	#5725.00	83.8 PK	94.9	-11.1	1.20 V	3	45.80	38.00
4	#5725.00	64.8 AV	83.1	-18.3	1.20 V	3	26.80	38.00
5	*5755.00	114.9 PK			1.20 V	3	76.90	38.00
6	*5755.00	103.1 AV			1.20 V	3	65.10	38.00
7	11510.00	54.4 PK	74.0	-19.6	1.14 V	9	6.40	48.00
8	11510.00	43.9 AV	54.0	-10.1	1.14 V	9	-4.10	48.00

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 159	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1015 hPa	TESTED BY	Brad Wu

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	5400.00	60.7 PK	74.0	-13.3	1.20 H	1	23.50	37.20
2	5400.00	53.0 AV	54.0	-1.0	1.20 H	1	15.80	37.20
3	*5795.00	107.4 PK			1.18 H	2	69.30	38.10
4	*5795.00	96.8 AV			1.18 H	2	58.70	38.10
5	#5850.00	65.3 PK	87.4	-22.1	1.18 H	2	27.10	38.20
6	#5850.00	47.2 AV	76.8	-29.6	1.18 H	2	9.00	38.20
7	11590.00	54.1 PK	74.0	-19.9	1.19 H	28	6.20	47.90
8	11590.00	43.2 AV	54.0	-10.8	1.19 H	28	-4.70	47.90
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	5440.00	60.4 PK	74.0	-13.6	1.20 V	3	23.10	37.30
2	5440.00	52.8 AV	54.0	-1.2	1.20 V	3	15.50	37.30
3	*5795.00	116.3 PK			1.19 V	6	78.20	38.10
4	*5795.00	101.5 AV			1.19 V	6	63.40	38.10
5	#5850.00	69.4 PK	96.3	-26.9	1.19 V	6	31.20	38.20
6	#5850.00	52.9 AV	81.5	-28.6	1.19 V	6	14.70	38.20
7	11590.00	54.9 PK	74.0	-19.1	1.20 V	8	7.00	47.90
8	11590.00	43.8 AV	54.0	-10.2	1.20 V	8	-4.10	47.90

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

BELOW 1GHz WORST-CASE DATA：802.11a

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1015 hPa	TESTED BY	Brad Wu

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	99.89	41.9 QP	43.5	-1.6	1.50 H	178	31.80	10.10
2	232.11	30.6 QP	46.0	-15.4	1.00 H	91	18.70	11.90
3	300.16	31.5 QP	46.0	-14.5	1.00 H	61	16.80	14.70
4	498.47	32.8 QP	46.0	-13.2	1.50 H	61	13.00	19.80
5	665.68	43.7 QP	46.0	-2.3	1.00 H	85	20.60	23.10
6	900.94	33.2 QP	46.0	-12.8	1.50 H	298	7.30	25.90
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	99.89	37.5 QP	43.5	-6.0	1.00 V	166	27.40	10.10
2	331.26	26.3 QP	46.0	-19.7	1.50 V	151	10.80	15.50
3	463.48	30.2 QP	46.0	-15.8	1.00 V	10	11.30	18.90
4	595.69	29.6 QP	46.0	-16.4	1.50 V	157	7.70	21.90
5	667.63	40.3 QP	46.0	-5.7	1.50 V	199	17.20	23.10
6	924.27	35.9 QP	46.0	-10.1	1.00 V	16	9.60	26.30

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.

5.1.13 TEST RESULTS (TEST MODE D 1)

802.11a

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28deg. C, 68%RH 1010 hPa	TESTED BY	Sun Lin

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	5440.00	61.1 PK	74.0	-12.9	1.05 H	322	23.80	37.30
2	5440.00	52.2 AV	54.0	-1.8	1.05 H	322	14.90	37.30
3	#5725.00	75.2 PK	94.9	-19.7	1.23 H	47	37.20	38.00
4	#5725.00	55.7 AV	82.8	-27.1	1.23 H	47	17.70	38.00
5	*5745.00	114.9 PK			1.33 H	99	76.90	38.00
6	*5745.00	102.8 AV			1.33 H	99	64.80	38.00
7	11490.00	59.2 PK	74.0	-14.8	1.47 H	293	11.20	48.00
8	11490.00	44.8 AV	54.0	-9.2	1.47 H	293	-3.20	48.00
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	5440.00	56.8 PK	74.0	-17.2	1.22 V	47	19.50	37.30
2	5440.00	45.0 AV	54.0	-9.0	1.22 V	47	7.70	37.30
3	#5725.00	71.8 PK	88.7	-16.9	1.53 V	209	33.80	38.00
4	#5725.00	52.0 AV	76.6	-24.6	1.53 V	209	14.00	38.00
5	*5745.00	108.7 PK			1.22 V	85	70.70	38.00
6	*5745.00	96.6 AV			1.22 V	85	58.60	38.00
7	11490.00	58.0 PK	74.0	-16.0	1.35 V	287	10.00	48.00
8	11490.00	44.1 AV	54.0	-9.9	1.35 V	287	-3.90	48.00

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 157	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28deg. C, 68%RH 1010 hPa	TESTED BY	Sun Lin

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	5440.00	61.0 PK	74.0	-13.0	1.25 H	322	23.70	37.30
2	5440.00	51.9 AV	54.0	-2.1	1.25 H	322	14.60	37.30
3	*5785.00	114.7 PK			1.43 H	103	76.70	38.00
4	*5785.00	102.6 AV			1.43 H	103	64.60	38.00
5	11570.00	58.3 PK	74.0	-15.7	1.52 H	47	10.40	47.90
6	11570.00	45.1 AV	54.0	-8.9	1.52 H	47	-2.80	47.90
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	5440.00	56.2 PK	74.0	-17.8	1.03 V	20	18.90	37.30
2	5440.00	44.7 AV	54.0	-9.3	1.03 V	20	7.40	37.30
3	*5785.00	108.5 PK			1.22 V	96	70.50	38.00
4	*5785.00	96.4 AV			1.22 V	96	58.40	38.00
5	11570.00	57.7 PK	74.0	-16.3	1.12 V	297	9.80	47.90
6	11570.00	44.3 AV	54.0	-9.7	1.12 V	297	-3.60	47.90

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 165	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28deg. C, 68%RH 1010 hPa	TESTED BY	Sun Lin

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	5440.00	61.2 PK	74.0	-12.8	1.04 H	287	23.90	37.30
2	5440.00	52.0 AV	54.0	-2.0	1.04 H	287	14.70	37.30
3	*5825.00	114.5 PK			1.02 H	247	76.40	38.10
4	*5825.00	102.5 AV			1.02 H	247	64.40	38.10
5	#5850.00	73.2 PK	94.5	-21.3	1.35 H	47	35.00	38.20
6	#5850.00	55.1 AV	82.5	-27.4	1.35 H	47	16.90	38.20
7	11650.00	58.7 PK	74.0	-15.3	1.63 H	22	11.00	47.70
8	11650.00	44.7 AV	54.0	-9.3	1.63 H	22	-3.00	47.70
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	5440.00	56.7 PK	74.0	-17.3	1.02 V	257	19.40	37.30
2	5440.00	44.9 AV	54.0	-9.1	1.02 V	257	7.60	37.30
3	*5825.00	108.4 PK			1.32 V	104	70.30	38.10
4	*5825.00	96.3 AV			1.32 V	104	58.20	38.10
5	#5850.00	64.2 PK	88.4	-24.2	1.22 V	78	26.00	38.20
6	#5850.00	48.1 AV	76.3	-28.2	1.22 V	78	9.90	38.20
7	11650.00	57.9 PK	74.0	-16.1	1.36 V	201	10.20	47.70
8	11650.00	44.3 AV	54.0	-9.7	1.02 V	258	-3.40	47.70

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28deg. C, 68%RH 1010 hPa	TESTED BY	Sun Lin

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	5440.00	61.7 PK	74.0	-12.3	1.34 H	177	24.40	37.30
2	5440.00	52.5 AV	54.0	-1.5	1.34 H	177	15.20	37.30
3	#5725.00	81.2 PK	95.0	-13.8	1.05 H	98	43.20	38.00
4	#5725.00	58.9 AV	82.9	-24.0	1.05 H	98	20.90	38.00
5	*5745.00	115.0 PK			1.21 H	147	77.00	38.00
6	*5745.00	102.9 AV			1.21 H	147	64.90	38.00
7	11490.00	59.3 PK	74.0	-14.7	1.65 H	42	11.30	48.00
8	11490.00	44.8 AV	54.0	-9.2	1.65 H	42	-3.20	48.00
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	5440.00	56.7 PK	74.0	-17.3	1.24 V	105	19.40	37.30
2	5440.00	44.3 AV	54.0	-9.7	1.24 V	105	7.00	37.30
3	#5725.00	71.3 PK	88.7	-17.4	1.45 V	288	33.30	38.00
4	#5725.00	51.2 AV	76.2	-25.0	1.45 V	288	13.20	38.00
5	*5745.00	108.7 PK			1.63 V	204	70.70	38.00
6	*5745.00	96.2 AV			1.63 V	204	58.20	38.00
7	11490.00	58.0 PK	74.0	-16.0	1.01 V	198	10.00	48.00
8	11490.00	43.9 AV	54.0	-10.1	1.01 V	198	-4.10	48.00

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 157	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28deg. C, 68%RH 1010 hPa	TESTED BY	Sun Lin

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	5440.00	61.2 PK	74.0	-12.8	1.25 H	42	23.90	37.30
2	5440.00	52.3 AV	54.0	-1.7	1.25 H	42	15.00	37.30
3	*5785.00	114.7 PK			1.33 H	224	76.70	38.00
4	*5785.00	102.7 AV			1.33 H	224	64.70	38.00
5	11570.00	59.0 PK	74.0	-15.0	1.07 H	69	11.10	47.90
6	11570.00	44.8 AV	54.0	-9.2	1.07 H	69	-3.10	47.90
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	5440.00	56.3 PK	74.0	-17.7	1.25 V	135	19.00	37.30
2	5440.00	44.3 AV	54.0	-9.7	1.25 V	135	7.00	37.30
3	*5785.00	108.5 PK			1.38 V	211	70.50	38.00
4	*5785.00	96.0 AV			1.38 V	211	58.00	38.00
5	11570.00	57.3 PK	74.0	-16.7	1.21 V	45	9.40	47.90
6	11570.00	44.2 AV	54.0	-9.8	1.21 V	45	-3.70	47.90

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 165	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28deg. C, 68%RH 1010 hPa	TESTED BY	Sun Lin

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	5440.00	61.2 PK	74.0	-12.8	1.30 H	136	23.90	37.30
2	5440.00	52.2 AV	54.0	-1.8	1.30 H	136	14.90	37.30
3	*5825.00	114.5 PK			1.05 H	53	76.40	38.10
4	*5825.00	102.6 AV			1.05 H	53	64.50	38.10
5	#5850.00	73.0 PK	94.5	-21.5	1.43 H	287	34.80	38.20
6	#5850.00	54.9 AV	82.6	-27.7	1.43 H	287	16.70	38.20
7	11650.00	58.3 PK	74.0	-15.7	1.21 H	95	10.60	47.70
8	11650.00	44.7 AV	54.0	-9.3	1.21 H	95	-3.00	47.70
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	5440.00	56.3 PK	74.0	-17.7	1.24 V	48	19.00	37.30
2	5440.00	44.7 AV	54.0	-9.3	1.24 V	48	7.40	37.30
3	*5825.00	108.4 PK			1.09 V	67	70.30	38.10
4	*5825.00	95.9 AV			1.09 V	67	57.80	38.10
5	#5850.00	64.2 PK	88.4	-24.2	1.04 V	236	26.00	38.20
6	#5850.00	47.9 AV	75.9	-28.0	1.04 V	236	9.70	38.20
7	11650.00	57.8 PK	74.0	-16.2	1.38 V	201	10.10	47.70
8	11650.00	44.5 AV	54.0	-9.5	1.38 V	201	-3.20	47.70

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. " * ": Fundamental frequency.

6. The limit value is defined as per 15.247.

7. "#":The radiated frequency is out the restricted band.

802.11n (40MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 151	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28deg. C, 68%RH 1010 hPa	TESTED BY	Sun Lin

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	5440.00	61.0 PK	74.0	-13.0	1.08 H	63	23.70	37.30
2	5440.00	52.1 AV	54.0	-1.9	1.08 H	63	14.80	37.30
3	#5725.00	81.9 PK	90.9	-9.0	1.35 H	117	43.90	38.00
4	#5725.00	59.9 AV	77.8	-17.9	1.35 H	117	21.90	38.00
5	*5755.00	110.9 PK			1.15 H	108	72.90	38.00
6	*5755.00	97.8 AV			1.15 H	108	59.80	38.00
7	11510.00	57.3 PK	74.0	-16.7	1.47 H	293	9.30	48.00
8	11510.00	46.5 AV	54.0	-7.5	1.47 H	293	-1.50	48.00
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	5440.00	55.3 PK	74.0	-18.7	1.45 V	235	18.00	37.30
2	5440.00	44.2 AV	54.0	-9.8	1.45 V	235	6.90	37.30
3	#5725.00	66.9 PK	84.3	-17.4	1.43 V	153	28.90	38.00
4	#5725.00	48.3 AV	72.0	-23.7	1.43 V	153	10.30	38.00
5	*5755.00	104.3 PK			1.27 V	104	66.30	38.00
6	*5755.00	92.0 AV			1.27 V	104	54.00	38.00
7	11510.00	57.9 PK	74.0	-16.1	1.68 V	35	9.90	48.00
8	11510.00	45.3 AV	54.0	-8.7	1.68 V	35	-2.70	48.00

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 159	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28deg. C, 68%RH 1010 hPa	TESTED BY	Sun Lin

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	5440.00	62.7 PK	74.0	-11.3	1.04 H	265	25.40	37.30
2	5440.00	52.8 AV	54.0	-1.2	1.04 H	265	15.50	37.30
3	*5795.00	110.7 PK			1.43 H	293	72.60	38.10
4	*5795.00	97.6 AV			1.43 H	293	59.50	38.10
5	#5850.00	65.1 PK	90.7	-25.6	1.21 H	207	26.90	38.20
6	#5850.00	47.1 AV	77.6	-30.5	1.21 H	207	8.90	38.20
7	11590.00	56.3 PK	74.0	-17.7	1.56 H	357	8.40	47.90
8	11590.00	45.9 AV	54.0	-8.1	1.56 H	357	-2.00	47.90
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	5440.00	55.3 PK	74.0	-18.7	1.54 V	233	18.00	37.30
2	5440.00	44.7 AV	54.0	-9.3	1.54 V	233	7.40	37.30
3	*5795.00	104.1 PK			1.28 V	43	66.00	38.10
4	*5795.00	91.9 AV			1.28 V	43	53.80	38.10
5	#5850.00	65.9 PK	84.1	-18.2	1.27 V	89	27.70	38.20
6	#5850.00	48.3 AV	71.9	-23.6	1.27 V	89	10.10	38.20
7	11590.00	58.0 PK	74.0	-16.0	1.68 V	58	10.10	47.90
8	11590.00	45.8 AV	54.0	-8.2	1.68 V	58	-2.10	47.90

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

BELOW 1GHz WORST-CASE DATA：802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 157	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1019 hPa	TESTED BY	Brad Wu

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	74.62	32.9 QP	40.0	-7.1	1.25 H	62	22.20	10.70
2	140.72	36.7 QP	43.5	-6.8	1.25 H	277	22.70	14.00
3	232.11	42.7 QP	46.0	-3.3	1.50 H	68	30.80	11.90
4	338.10	38.7 QP	46.0	-7.3	1.75 H	52	23.10	15.60
5	500.42	29.7 QP	46.0	-16.3	1.25 H	97	9.90	19.80
6	601.52	30.4 QP	46.0	-15.6	1.25 H	299	8.40	22.00
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	30.00	32.1 QP	40.0	-7.9	1.25 V	158	19.60	12.50
2	57.12	33.0 QP	40.0	-7.0	1.25 V	325	19.50	13.50
3	195.16	36.8 QP	43.5	-6.7	1.75 V	263	26.10	10.70
4	300.16	31.5 QP	46.0	-14.5	1.25 V	92	16.80	14.70
5	500.42	29.9 QP	46.0	-16.1	1.25 V	113	10.10	19.80
6	856.22	34.4 QP	46.0	-11.6	1.25 V	227	9.10	25.30

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.

5.1.14 TEST RESULTS (TEST MODE D 2)

802.11a

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28deg. C, 68%RH 1010 hPa	TESTED BY	Sun Lin

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	5440.00	61.5 PK	74.0	-12.5	1.15 H	299	24.20	37.30
2	5440.00	52.3 AV	54.0	-1.7	1.15 H	299	15.00	37.30
3	#5725.00	75.7 PK	95.3	-19.6	1.38 H	28	37.70	38.00
4	#5725.00	56.1 AV	83.2	-27.1	1.38 H	28	18.10	38.00
5	*5745.00	115.3 PK			1.38 H	28	77.30	38.00
6	*5745.00	103.2 AV			1.38 H	28	65.20	38.00
7	11490.00	59.7 PK	74.0	-14.3	1.37 H	230	11.70	48.00
8	11490.00	45.3 AV	54.0	-8.7	1.37 H	230	-2.70	48.00
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	5440.00	57.2 PK	74.0	-16.8	1.05 V	102	19.90	37.30
2	5440.00	45.3 AV	54.0	-8.7	1.05 V	102	8.00	37.30
3	#5725.00	72.2 PK	89.1	-16.9	1.39 V	247	34.20	38.00
4	#5725.00	52.3 AV	77.0	-24.7	1.39 V	247	14.30	38.00
5	*5745.00	109.1 PK			1.39 V	247	71.10	38.00
6	*5745.00	97.0 AV			1.39 V	247	59.00	38.00
7	11490.00	58.5 PK	74.0	-15.5	1.17 V	200	10.50	48.00
8	11490.00	44.5 AV	54.0	-9.5	1.17 V	200	-3.50	48.00

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 157	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28deg. C, 68%RH 1010 hPa	TESTED BY	Sun Lin

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	5440.00	61.5 PK	74.0	-12.5	1.04 H	298	24.20	37.30
2	5440.00	52.3 AV	54.0	-1.7	1.04 H	298	15.00	37.30
3	*5785.00	115.8 PK			1.12 H	258	77.80	38.00
4	*5785.00	103.7 AV			1.12 H	258	65.70	38.00
5	11570.00	58.9 PK	74.0	-15.1	1.07 H	299	11.00	47.90
6	11570.00	45.7 AV	54.0	-8.3	1.07 H	299	-2.20	47.90
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	5440.00	56.8 PK	74.0	-17.2	1.08 V	293	19.50	37.30
2	5440.00	45.0 AV	54.0	-9.0	1.08 V	293	7.70	37.30
3	*5785.00	109.7 PK			1.37 V	48	71.70	38.00
4	*5785.00	97.3 AV			1.37 V	48	59.30	38.00
5	11570.00	58.1 PK	74.0	-15.9	1.05 V	302	10.20	47.90
6	11570.00	44.8 AV	54.0	-9.2	1.05 V	302	-3.10	47.90

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. " * ": Fundamental frequency.

6. The limit value is defined as per 15.247.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 165	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28deg. C, 68%RH 1010 hPa	TESTED BY	Sun Lin

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	5440.00	61.8 PK	74.0	-12.2	1.15 H	300	24.50	37.30
2	5440.00	52.1 AV	54.0	-1.9	1.15 H	300	14.80	37.30
3	*5825.00	115.6 PK			1.09 H	158	77.50	38.10
4	*5825.00	103.6 AV			1.09 H	158	65.50	38.10
5	#5850.00	73.8 PK	95.6	-21.8	1.25 H	0	35.60	38.20
6	#5850.00	55.7 AV	83.6	-27.9	1.25 H	0	17.50	38.20
7	11650.00	59.2 PK	74.0	-14.8	1.32 H	278	11.50	47.70
8	11650.00	45.3 AV	54.0	-8.7	1.32 H	278	-2.40	47.70
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	5440.00	57.2 PK	74.0	-16.8	1.47 V	269	19.90	37.30
2	5440.00	45.3 AV	54.0	-8.7	1.47 V	269	8.00	37.30
3	*5825.00	109.9 PK			1.35 V	107	71.80	38.10
4	*5825.00	97.6 AV			1.35 V	107	59.50	38.10
5	#5850.00	64.8 PK	89.9	-25.1	1.35 V	107	26.60	38.20
6	#5850.00	48.5 AV	77.6	-29.1	1.35 V	107	10.30	38.20
7	11650.00	58.2 PK	74.0	-15.8	1.08 V	295	10.50	47.70
8	11650.00	44.8 AV	54.0	-9.2	1.08 V	295	-2.90	47.70

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28deg. C, 68%RH 1010 hPa	TESTED BY	Sun Lin

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	5440.00	62.1 PK	74.0	-11.9	1.14 H	296	24.80	37.30
2	5440.00	52.7 AV	54.0	-1.3	1.14 H	296	15.40	37.30
3	#5725.00	81.8 PK	95.4	-13.6	1.01 H	27	43.80	38.00
4	#5725.00	59.3 AV	83.3	-24.0	1.01 H	27	21.30	38.00
5	*5745.00	115.4 PK			1.08 H	89	77.40	38.00
6	*5745.00	103.3 AV			1.08 H	89	65.30	38.00
7	11490.00	59.8 PK	74.0	-14.2	1.43 H	289	11.80	48.00
8	11490.00	45.1 AV	54.0	-8.9	1.43 H	289	-2.90	48.00
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	5440.00	57.0 PK	74.0	-17.0	1.12 V	94	19.70	37.30
2	5440.00	44.9 AV	54.0	-9.1	1.12 V	94	7.60	37.30
3	#5725.00	71.8 PK	89.0	-17.2	1.27 V	291	33.80	38.00
4	#5725.00	51.8 AV	76.8	-25.0	1.27 V	291	13.80	38.00
5	*5745.00	109.0 PK			1.23 V	269	71.00	38.00
6	*5745.00	96.8 AV			1.23 V	269	58.80	38.00
7	11490.00	58.3 PK	74.0	-15.7	1.32 V	105	10.30	48.00
8	11490.00	44.3 AV	54.0	-9.7	1.32 V	105	-3.70	48.00

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 157	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28deg. C, 68%RH 1010 hPa	TESTED BY	Sun Lin

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	5440.00	61.7 PK	74.0	-12.3	1.14 H	302	24.40	37.30
2	5440.00	52.5 AV	54.0	-1.5	1.14 H	302	15.20	37.30
3	*5785.00	115.3 PK			1.25 H	213	77.30	38.00
4	*5785.00	103.5 AV			1.25 H	213	65.50	38.00
5	11570.00	59.3 PK	74.0	-14.7	1.22 H	47	11.40	47.90
6	11570.00	45.2 AV	54.0	-8.8	1.22 H	47	-2.70	47.90
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	5440.00	56.7 PK	74.0	-17.3	1.02 V	352	19.40	37.30
2	5440.00	44.7 AV	54.0	-9.3	1.02 V	352	7.40	37.30
3	*5785.00	109.2 PK			1.02 V	36	71.20	38.00
4	*5785.00	97.0 AV			1.02 V	36	59.00	38.00
5	11570.00	57.9 PK	74.0	-16.1	1.01 V	327	10.00	47.90
6	11570.00	44.5 AV	54.0	-9.5	1.01 V	327	-3.40	47.90

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. " * ": Fundamental frequency.

6. The limit value is defined as per 15.247.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 165	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28deg. C, 68%RH 1010 hPa	TESTED BY	Sun Lin

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	5440.00	61.6 PK	74.0	-12.4	1.14 H	294	24.30	37.30
2	5440.00	52.5 AV	54.0	-1.5	1.14 H	294	15.20	37.30
3	*5825.00	115.5 PK			1.17 H	168	77.40	38.10
4	*5825.00	103.6 AV			1.17 H	168	65.50	38.10
5	#5850.00	73.3 PK	95.5	-22.2	1.31 H	299	35.10	38.20
6	#5850.00	55.2 AV	83.6	-28.4	1.31 H	299	17.00	38.20
7	11650.00	58.9 PK	74.0	-15.1	1.04 H	235	11.20	47.70
8	11650.00	45.0 AV	54.0	-9.0	1.04 H	235	-2.70	47.70
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	5440.00	56.9 PK	74.0	-17.1	1.08 V	258	19.60	37.30
2	5440.00	45.0 AV	54.0	-9.0	1.08 V	258	7.70	37.30
3	*5825.00	109.7 PK			1.47 V	53	71.60	38.10
4	*5825.00	97.3 AV			1.47 V	53	59.20	38.10
5	#5850.00	64.5 PK	89.7	-25.2	1.35 V	296	26.30	38.20
6	#5850.00	48.1 AV	77.3	-29.2	1.35 V	296	9.90	38.20
7	11650.00	58.0 PK	74.0	-16.0	1.22 V	317	10.30	47.70
8	11650.00	44.8 AV	54.0	-9.2	1.22 V	317	-2.90	47.70

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

802.11n (40MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 151	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28deg. C, 68%RH 1010 hPa	TESTED BY	Sun Lin

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	5440.00	61.3 PK	74.0	-12.7	1.00 H	20	24.00	37.30
2	5440.00	52.2 AV	54.0	-1.8	1.00 H	20	14.90	37.30
3	#5725.00	82.0 PK	91.2	-9.2	1.33 H	308	44.00	38.00
4	#5725.00	60.2 AV	78.1	-17.9	1.33 H	308	22.20	38.00
5	*5755.00	111.2 PK			1.14 H	68	73.20	38.00
6	*5755.00	98.1 AV			1.14 H	68	60.10	38.00
7	11510.00	57.9 PK	74.0	-16.1	1.27 H	23	9.90	48.00
8	11510.00	46.8 AV	54.0	-7.2	1.27 H	23	-1.20	48.00
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	5440.00	55.7 PK	74.0	-18.3	1.58 V	300	18.40	37.30
2	5440.00	44.8 AV	54.0	-9.2	1.58 V	300	7.50	37.30
3	#5725.00	67.0 PK	84.9	-17.9	1.08 V	172	29.00	38.00
4	#5725.00	48.6 AV	72.4	-23.8	1.08 V	172	10.60	38.00
5	*5755.00	104.9 PK			1.08 V	172	66.90	38.00
6	*5755.00	92.4 AV			1.08 V	172	54.40	38.00
7	11510.00	58.2 PK	74.0	-15.8	1.38 V	228	10.20	48.00
8	11510.00	45.8 AV	54.0	-8.2	1.38 V	228	-2.20	48.00

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 159	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28deg. C, 68%RH 1010 hPa	TESTED BY	Sun Lin

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	5440.00	63.0 PK	74.0	-11.0	1.13 H	294	25.70	37.30
2	5440.00	53.0 AV	54.0	-1.0	1.13 H	294	15.70	37.30
3	*5795.00	111.4 PK			1.26 H	293	73.30	38.10
4	*5795.00	98.3 AV			1.26 H	293	60.20	38.10
5	#5850.00	65.4 PK	91.4	-26.0	1.26 H	293	27.20	38.20
6	#5850.00	47.4 AV	78.3	-30.9	1.26 H	293	9.20	38.20
7	11590.00	56.8 PK	74.0	-17.2	1.22 H	43	8.90	47.90
8	11590.00	46.2 AV	54.0	-7.8	1.22 H	43	-1.70	47.90
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	5440.00	55.9 PK	74.0	-18.1	1.63 V	289	18.60	37.30
2	5440.00	45.0 AV	54.0	-9.0	1.63 V	289	7.70	37.30
3	*5795.00	104.7 PK			1.37 V	115	66.60	38.10
4	*5795.00	92.2 AV			1.37 V	115	54.10	38.10
5	#5850.00	66.2 PK	84.7	-18.5	1.37 V	115	28.00	38.20
6	#5850.00	48.5 AV	72.2	-23.7	1.37 V	115	10.30	38.20
7	11590.00	58.3 PK	74.0	-15.7	1.41 V	228	10.40	47.90
8	11590.00	46.0 AV	54.0	-8.0	1.41 V	228	-1.90	47.90

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

BELOW 1GHz WORST-CASE DATA：802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 157	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1019 hPa	TESTED BY	Brad Wu

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	140.72	37.5 QP	43.5	-6.0	1.00 H	241	23.50	14.00
2	232.11	42.0 QP	46.0	-4.0	1.00 H	295	30.10	11.90
3	338.10	39.3 QP	46.0	-6.7	1.50 H	247	23.70	15.60
4	500.42	28.8 QP	46.0	-17.2	1.00 H	112	9.00	19.80
5	673.46	32.0 QP	46.0	-14.0	1.00 H	226	8.80	23.20
6	778.45	36.5 QP	46.0	-9.5	1.50 H	157	12.10	24.40
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	57.12	32.5 QP	40.0	-7.5	1.00 V	265	19.00	13.50
2	195.16	35.9 QP	43.5	-7.6	1.50 V	208	25.20	10.70
3	300.16	30.4 QP	46.0	-15.6	1.00 V	10	15.70	14.70
4	500.42	28.6 QP	46.0	-17.4	1.00 V	103	8.80	19.80
5	677.35	31.5 QP	46.0	-14.5	1.50 V	292	8.30	23.20
6	751.23	32.4 QP	46.0	-13.6	1.00 V	106	8.30	24.10

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.

5.1.15 TEST RESULTS (TEST MODE E 1)

802.11a

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	**FREQUENCY RANGE**	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1008 hPa	**TESTED BY**	Sun Lin

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	5120.00	57.3 PK	74.0	-16.7	1.07 H	265	20.60	36.70
2	5120.00	48.7 AV	54.0	-5.3	1.07 H	265	12.00	36.70
3	5440.00	58.7 PK	74.0	-15.3	1.32 H	253	21.40	37.30
4	5440.00	48.9 AV	54.0	-5.1	1.32 H	253	11.60	37.30
5	#5725.00	76.9 PK	93.7	-16.8	1.12 H	63	38.90	38.00
6	#5725.00	56.8 AV	81.0	-24.2	1.12 H	63	18.80	38.00
7	*5745.00	113.7 PK			1.33 H	185	75.70	38.00
8	*5745.00	101.0 AV			1.33 H	185	63.00	38.00
9	11490.00	57.8 PK	74.0	-16.2	1.65 H	174	9.80	48.00
10	11490.00	47.7 AV	54.0	-6.3	1.65 H	174	-0.30	48.00

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1008 hPa	TESTED BY	Sun Lin

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	5120.00	56.5 PK	74.0	-17.5	1.07 V	268	19.80	36.70
2	5120.00	48.7 AV	54.0	-5.3	1.07 V	268	12.00	36.70
3	5440.00	57.5 PK	74.0	-16.5	1.02 V	289	20.20	37.30
4	5440.00	49.0 AV	54.0	-5.0	1.02 V	289	11.70	37.30
5	#5725.00	71.2 PK	91.9	-20.7	1.24 V	103	33.20	38.00
6	#5725.00	51.0 AV	80.1	-29.1	1.24 V	103	13.00	38.00
7	*5745.00	111.9 PK			1.02 V	53	73.90	38.00
8	*5745.00	100.1 AV			1.02 V	53	62.10	38.00
9	11490.00	57.7 PK	74.0	-16.3	1.02 V	323	9.70	48.00
10	11490.00	46.7 AV	54.0	-7.3	1.02 V	323	-1.30	48.00

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 157	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1008 hPa	TESTED BY	Sun Lin

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	5120.00	58.1 PK	74.0	-15.9	1.07 H	168	21.40	36.70
2	5120.00	48.1 AV	54.0	-5.9	1.07 H	168	11.40	36.70
3	#5240.00	58.7 PK	93.9	-35.2	1.15 H	265	21.80	36.90
4	#5240.00	49.0 AV	81.2	-32.2	1.15 H	265	12.10	36.90
5	*5785.00	113.9 PK			1.37 H	298	75.90	38.00
6	*5785.00	101.2 AV			1.37 H	298	63.20	38.00
7	11570.00	58.2 PK	74.0	-15.8	1.32 H	162	10.30	47.90
8	11570.00	48.0 AV	54.0	-6.0	1.32 H	162	0.10	47.90
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	5120.00	58.2 PK	74.0	-15.8	1.25 V	147	21.50	36.70
2	5120.00	48.8 AV	54.0	-5.2	1.25 V	147	12.10	36.70
3	#5240.00	57.7 PK	92.2	-34.5	1.06 V	17	20.80	36.90
4	#5240.00	47.3 AV	80.2	-32.9	1.06 V	17	10.40	36.90
5	*5785.00	112.2 PK			1.18 V	307	74.20	38.00
6	*5785.00	100.2 AV			1.18 V	307	62.20	38.00
7	11570.00	58.0 PK	74.0	-16.0	1.56 V	217	10.10	47.90
8	11570.00	46.8 AV	54.0	-7.2	1.56 V	217	-1.10	47.90

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 165	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1008 hPa	TESTED BY	Sun Lin

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	5000.00	60.0 PK	74.0	-14.0	1.08 H	278	23.50	36.50
2	5000.00	50.3 AV	54.0	-3.7	1.08 H	278	13.80	36.50
3	*5825.00	111.7 PK			1.22 H	176	73.60	38.10
4	*5825.00	98.8 AV			1.22 H	176	60.70	38.10
5	#5850.00	73.0 PK	91.7	-18.7	1.07 H	98	34.80	38.20
6	#5850.00	52.0 AV	78.8	-26.8	1.07 H	98	13.80	38.20
7	11650.00	57.3 PK	74.0	-16.7	1.58 H	43	9.60	47.70
8	11650.00	46.2 AV	54.0	-7.8	1.58 H	43	-1.50	47.70
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	5000.00	59.8 PK	74.0	-14.2	1.09 V	212	23.30	36.50
2	5000.00	52.3 AV	54.0	-1.7	1.09 V	212	15.80	36.50
3	*5825.00	109.8 PK			1.32 V	251	71.70	38.10
4	*5825.00	97.8 AV			1.32 V	251	59.70	38.10
5	#5850.00	69.7 PK	89.8	-20.1	1.02 V	234	31.50	38.20
6	#5850.00	49.1 AV	77.8	-28.7	1.02 V	234	10.90	38.20
7	11650.00	58.2 PK	74.0	-15.8	1.07 V	246	10.50	47.70
8	11650.00	47.0 AV	54.0	-7.0	1.07 V	246	-0.70	47.70

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1008 hPa	TESTED BY	Sun Lin

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	5000.00	56.2 PK	74.0	-17.8	1.36 H	278	19.70	36.50
2	5000.00	43.8 AV	54.0	-10.2	1.36 H	278	7.30	36.50
3	5080.00	57.2 PK	74.0	-16.8	1.07 H	98	20.60	36.60
4	5080.00	46.9 AV	54.0	-7.1	1.07 H	98	10.30	36.60
5	#5725.00	79.2 PK	93.5	-14.3	1.24 H	283	41.20	38.00
6	#5725.00	58.6 AV	80.7	-22.1	1.24 H	283	20.60	38.00
7	*5745.00	113.5 PK			1.29 H	251	75.50	38.00
8	*5745.00	100.7 AV			1.29 H	251	62.70	38.00
9	11490.00	58.1 PK	74.0	-15.9	1.62 H	182	10.10	48.00
10	11490.00	47.7 AV	54.0	-6.3	1.62 H	182	-0.30	48.00

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1008 hPa	TESTED BY	Sun Lin

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	4960.00	56.8 PK	74.0	-17.2	1.45 V	299	20.40	36.40
2	4960.00	48.7 AV	54.0	-5.3	1.45 V	299	12.30	36.40
3	5080.00	56.3 PK	74.0	-17.7	1.07 V	268	19.70	36.60
4	5080.00	46.2 AV	54.0	-7.8	1.07 V	268	9.60	36.60
5	#5725.00	79.2 PK	92.1	-12.9	1.62 V	37	41.20	38.00
6	#5725.00	57.7 AV	80.2	-22.5	1.62 V	37	19.70	38.00
7	*5745.00	112.1 PK			1.23 V	258	74.10	38.00
8	*5745.00	100.2 AV			1.23 V	258	62.20	38.00
9	11490.00	57.2 PK	74.0	-16.8	1.65 V	107	9.20	48.00
10	11490.00	46.8 AV	54.0	-7.2	1.65 V	107	-1.20	48.00

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 157	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1008 hPa	TESTED BY	Sun Lin

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	5000.00	59.2 PK	74.0	-14.8	1.09 H	263	22.70	36.50
2	5000.00	47.8 AV	54.0	-6.2	1.09 H	263	11.30	36.50
3	5080.00	58.8 PK	74.0	-15.2	1.45 H	283	22.20	36.60
4	5080.00	48.2 AV	54.0	-5.8	1.45 H	283	11.60	36.60
5	*5785.00	113.8 PK			1.43 H	47	75.80	38.00
6	*5785.00	100.8 AV			1.43 H	47	62.80	38.00
7	11570.00	58.2 PK	74.0	-15.8	1.65 H	102	10.30	47.90
8	11570.00	48.0 AV	54.0	-6.0	1.65 H	102	0.10	47.90
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	5000.00	58.2 PK	74.0	-15.8	1.32 V	178	21.70	36.50
2	5000.00	50.4 AV	54.0	-3.6	1.32 V	178	13.90	36.50
3	5080.00	57.3 PK	74.0	-16.7	1.68 V	32	20.70	36.60
4	5080.00	47.3 AV	54.0	-6.7	1.68 V	32	10.70	36.60
5	*5785.00	112.3 PK			1.61 V	352	74.30	38.00
6	*5785.00	100.6 AV			1.61 V	352	62.60	38.00
7	11570.00	57.8 PK	74.0	-16.2	1.08 V	264	9.90	47.90
8	11570.00	47.0 AV	54.0	-7.0	1.08 V	264	-0.90	47.90

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. " * ": Fundamental frequency.

6. The limit value is defined as per 15.247.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 165	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1008 hPa	TESTED BY	Sun Lin

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	5000.00	57.8 PK	74.0	-16.2	1.24 H	163	21.30	36.50
2	5000.00	47.8 AV	54.0	-6.2	1.24 H	163	11.30	36.50
3	5080.00	58.6 PK	74.0	-15.4	1.39 H	117	22.00	36.60
4	5080.00	48.0 AV	54.0	-6.0	1.39 H	117	11.40	36.60
5	*5825.00	111.6 PK			1.32 H	85	73.50	38.10
6	*5825.00	98.6 AV			1.32 H	85	60.50	38.10
7	#5850.00	72.3 PK	91.6	-19.3	1.41 H	124	34.10	38.20
8	#5850.00	51.5 AV	78.6	-27.1	1.41 H	124	13.30	38.20
9	11650.00	58.8 PK	74.0	-15.2	1.26 H	103	11.10	47.70
10	11650.00	48.2 AV	54.0	-5.8	1.26 H	103	0.50	47.70

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 165	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1008 hPa	TESTED BY	Sun Lin

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	5000.00	58.8 PK	74.0	-15.2	1.22 V	178	22.30	36.50
2	5000.00	52.2 AV	54.0	-1.8	1.22 V	178	15.70	36.50
3	5080.00	57.2 PK	74.0	-16.8	1.05 V	53	20.60	36.60
4	5080.00	48.0 AV	54.0	-6.0	1.05 V	53	11.40	36.60
5	*5825.00	109.8 PK			1.37 V	152	71.70	38.10
6	*5825.00	97.8 AV			1.37 V	152	59.70	38.10
7	#5850.00	70.0 PK	89.8	-19.8	1.35 V	278	31.80	38.20
8	#5850.00	49.0 AV	77.8	-28.8	1.35 V	278	10.80	38.20
9	11650.00	58.1 PK	74.0	-15.9	1.37 V	105	10.40	47.70
10	11650.00	47.2 AV	54.0	-6.8	1.37 V	105	-0.50	47.70

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

802.11n (40MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 151	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1008 hPa	TESTED BY	Mark 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	5400.00	61.9 PK	74.0	-12.1	1.12 H	173	24.70	37.20
2	5400.00	52.7 AV	54.0	-1.3	1.12 H	173	15.50	37.20
3	#5725.00	84.8 PK	90.4	-5.6	1.15 H	65	46.80	38.00
4	#5725.00	66.8 AV	77.8	-11.0	1.15 H	65	28.80	38.00
5	*5745.00	110.4 PK			1.52 H	265	72.40	38.00
6	*5745.00	97.8 AV			1.52 H	265	59.80	38.00
7	11510.00	60.7 PK	74.0	-13.3	1.43 H	167	12.70	48.00
8	11510.00	47.5 AV	54.0	-6.5	1.43 H	167	-0.50	48.00
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	5400.00	61.3 PK	74.0	-12.7	1.35 V	204	24.10	37.20
2	5400.00	50.6 AV	54.0	-3.4	1.35 V	204	13.40	37.20
3	#5725.00	84.0 PK	88.7	-4.7	1.62 V	47	46.00	38.00
4	#5725.00	65.8 AV	77.1	-11.3	1.62 V	47	27.80	38.00
5	*5745.00	108.7 PK			1.55 V	301	70.70	38.00
6	*5745.00	97.1 AV			1.55 V	301	59.10	38.00
7	11510.00	60.1 PK	74.0	-13.9	1.43 V	258	12.10	48.00
8	11510.00	47.3 AV	54.0	-6.7	1.43 V	258	-0.70	48.00

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 159	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1008 hPa	TESTED BY	Mark 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	5040.00	60.5 PK	74.0	-13.5	1.07 H	205	23.90	36.60
2	5040.00	51.2 AV	54.0	-2.8	1.07 H	205	14.60	36.60
3	5360.00	62.7 PK	74.0	-11.3	1.06 H	127	25.50	37.20
4	5360.00	52.6 AV	54.0	-1.4	1.06 H	127	15.40	37.20
5	*5795.00	109.1 PK			1.36 H	255	71.00	38.10
6	*5795.00	97.5 AV			1.36 H	255	59.40	38.10
7	#5850.00	68.1 PK	89.1	-21.0	1.07 H	52	29.90	38.20
8	#5850.00	52.2 AV	77.5	-25.3	1.07 H	52	14.00	38.20
9	11590.00	60.1 PK	74.0	-13.9	1.43 H	105	12.20	47.90
10	11590.00	47.2 AV	54.0	-6.8	1.43 H	105	-0.70	47.90

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 159	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1008 hPa	TESTED BY	Mark Liao

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	5040.00	59.7 PK	74.0	-14.3	1.45 V	221	23.10	36.60
2	5040.00	49.2 AV	54.0	-4.8	1.45 V	221	12.60	36.60
3	5360.00	61.0 PK	74.0	-13.0	1.32 V	207	23.80	37.20
4	5360.00	52.5 AV	54.0	-1.5	1.32 V	207	15.30	37.20
5	*5795.00	107.2 PK			1.53 V	328	69.10	38.10
6	*5795.00	95.8 AV			1.53 V	328	57.70	38.10
7	#5850.00	63.7 PK	87.2	-23.5	1.05 V	235	25.50	38.20
8	#5850.00	48.7 AV	75.8	-27.1	1.05 V	235	10.50	38.20
9	11590.00	59.7 PK	74.0	-14.3	1.06 V	107	11.80	47.90
10	11590.00	47.1 AV	54.0	-6.9	1.06 V	107	-0.80	47.90

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

BELOW 1GHz WORST-CASE DATA：802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Brad Wu

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	199.05	33.7 QP	43.5	-9.8	1.75 H	68	23.40	10.30
2	232.11	34.3 QP	46.0	-11.7	1.25 H	47	22.40	11.90
3	469.31	32.9 QP	46.0	-13.1	1.75 H	182	13.90	19.00
4	667.63	39.6 QP	46.0	-6.4	1.25 H	291	16.50	23.10
5	799.84	32.7 QP	46.0	-13.3	1.25 H	247	8.10	24.60
6	924.27	34.5 QP	46.0	-11.5	1.75 H	89	8.20	26.30
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	30.12	29.9 QP	40.0	-10.1	1.00 V	235	17.40	12.50
2	59.06	29.6 QP	40.0	-10.4	1.50 V	12	16.40	13.20
3	300.16	29.8 QP	46.0	-16.2	1.25 V	311	15.10	14.70
4	461.53	27.9 QP	46.0	-18.1	1.25 V	321	9.10	18.80
5	665.68	38.2 QP	46.0	-7.8	1.25 V	77	15.10	23.10
6	926.22	35.4 QP	46.0	-10.6	1.50 V	187	9.10	26.30

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.

5.1.16 TEST RESULTS (TEST MODE E 2)

802.11a

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	**FREQUENCY RANGE**	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1008 hPa	**TESTED BY**	Sun Lin

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	5120.00	57.5 PK	74.0	-16.5	1.09 H	293	20.80	36.70
2	5120.00	49.0 AV	54.0	-5.0	1.09 H	293	12.30	36.70
3	5440.00	58.9 PK	74.0	-15.1	1.24 H	315	21.60	37.30
4	5440.00	49.2 AV	54.0	-4.8	1.24 H	315	11.90	37.30
5	#5725.00	77.1 PK	94.0	-16.9	1.13 H	118	39.10	38.00
6	#5725.00	57.0 AV	81.3	-24.3	1.13 H	118	19.00	38.00
7	*5745.00	114.0 PK			1.25 H	147	76.00	38.00
8	*5745.00	101.3 AV			1.25 H	147	63.30	38.00
9	11490.00	58.2 PK	74.0	-15.8	1.52 H	223	10.20	48.00
10	11490.00	48.1 AV	54.0	-5.9	1.52 H	223	0.10	48.00

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1008 hPa	TESTED BY	Sun Lin

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	5120.00	56.9 PK	74.0	-17.1	1.01 V	315	20.20	36.70
2	5120.00	49.0 AV	54.0	-5.0	1.01 V	315	12.30	36.70
3	5440.00	58.0 PK	74.0	-16.0	1.00 V	204	20.70	37.30
4	5440.00	49.3 AV	54.0	-4.7	1.00 V	204	12.00	37.30
5	#5725.00	71.6 PK	92.3	-20.7	1.18 V	69	33.60	38.00
6	#5725.00	51.3 AV	80.4	-29.1	1.18 V	69	13.30	38.00
7	*5745.00	112.3 PK			1.18 V	63	74.30	38.00
8	*5745.00	100.4 AV			1.18 V	63	62.40	38.00
9	11490.00	58.0 PK	74.0	-16.0	1.00 V	257	10.00	48.00
10	11490.00	47.1 AV	54.0	-6.9	1.00 V	257	-0.90	48.00

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 157	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1008 hPa	TESTED BY	Sun Lin

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	5120.00	58.4 PK	74.0	-15.6	1.02 H	319	21.70	36.70
2	5120.00	48.5 AV	54.0	-5.5	1.02 H	319	11.80	36.70
3	#5240.00	59.1 PK	94.3	-35.2	1.00 H	317	22.20	36.90
4	#5240.00	49.4 AV	81.7	-32.3	1.00 H	317	12.50	36.90
5	*5785.00	114.3 PK			1.28 H	310	76.30	38.00
6	*5785.00	101.7 AV			1.28 H	310	63.70	38.00
7	11570.00	58.5 PK	74.0	-15.5	1.09 H	172	10.60	47.90
8	11570.00	48.3 AV	54.0	-5.7	1.09 H	172	0.40	47.90
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	5120.00	58.7 PK	74.0	-15.3	1.58 V	182	22.00	36.70
2	5120.00	49.2 AV	54.0	-4.8	1.58 V	182	12.50	36.70
3	#5240.00	58.0 PK	92.7	-34.7	1.03 V	35	21.10	36.90
4	#5240.00	47.9 AV	80.8	-32.9	1.03 V	35	11.00	36.90
5	*5785.00	112.7 PK			1.03 V	169	74.70	38.00
6	*5785.00	100.8 AV			1.03 V	169	62.80	38.00
7	11570.00	58.3 PK	74.0	-15.7	1.53 V	57	10.40	47.90
8	11570.00	47.2 AV	54.0	-6.8	1.53 V	57	-0.70	47.90

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 165	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1008 hPa	TESTED BY	Sun Lin

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	5000.00	60.5 PK	74.0	-13.5	1.00 H	320	24.00	36.50
2	5000.00	50.7 AV	54.0	-3.3	1.00 H	320	14.20	36.50
3	*5825.00	112.0 PK			1.35 H	135	73.90	38.10
4	*5825.00	99.1 AV			1.35 H	135	61.00	38.10
5	#5850.00	73.2 PK	92.0	-18.8	1.20 H	120	35.00	38.20
6	#5850.00	52.3 AV	79.1	-26.8	1.20 H	120	14.10	38.20
7	11650.00	57.8 PK	74.0	-16.2	1.32 H	257	10.10	47.70
8	11650.00	46.5 AV	54.0	-7.5	1.32 H	257	-1.20	47.70
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	5000.00	60.1 PK	74.0	-13.9	1.00 V	181	23.60	36.50
2	5000.00	52.5 AV	54.0	-1.5	1.00 V	181	16.00	36.50
3	*5825.00	110.1 PK			1.13 V	293	72.00	38.10
4	*5825.00	98.2 AV			1.13 V	293	60.10	38.10
5	#5850.00	70.1 PK	90.1	-20.0	1.15 V	334	31.90	38.20
6	#5850.00	49.5 AV	78.2	-28.7	1.15 V	334	11.30	38.20
7	11650.00	58.5 PK	74.0	-15.5	1.43 V	28	10.80	47.70
8	11650.00	47.3 AV	54.0	-6.7	1.43 V	28	-0.40	47.70

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1008 hPa	TESTED BY	Sun Lin

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	5000.00	56.8 PK	74.0	-17.2	1.05 H	313	20.30	36.50
2	5000.00	44.2 AV	54.0	-9.8	1.05 H	313	7.70	36.50
3	5080.00	57.6 PK	74.0	-16.4	1.02 H	325	21.00	36.60
4	5080.00	47.2 AV	54.0	-6.8	1.02 H	325	10.60	36.60
5	#5725.00	79.7 PK	93.8	-14.1	1.06 H	328	41.70	38.00
6	#5725.00	59.0 AV	81.0	-22.0	1.06 H	328	21.00	38.00
7	*5745.00	113.8 PK			1.08 H	311	75.80	38.00
8	*5745.00	101.0 AV			1.08 H	311	63.00	38.00
9	11490.00	58.5 PK	74.0	-15.5	1.28 H	203	10.50	48.00
10	11490.00	48.1 AV	54.0	-5.9	1.28 H	203	0.10	48.00

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1015 hPa	TESTED BY	Sun Lin

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	4960.00	57.1 PK	74.0	-16.9	1.54 V	335	20.70	36.40
2	4960.00	49.2 AV	54.0	-4.8	1.54 V	335	12.80	36.40
3	5080.00	56.5 PK	74.0	-17.5	1.00 V	345	19.90	36.60
4	5080.00	46.8 AV	54.0	-7.2	1.00 V	345	10.20	36.60
5	#5725.00	79.6 PK	92.5	-12.9	1.53 V	355	41.60	38.00
6	#5725.00	58.1 AV	80.8	-22.7	1.53 V	355	20.10	38.00
7	*5745.00	112.5 PK			1.48 V	328	74.50	38.00
8	*5745.00	100.8 AV			1.48 V	328	62.80	38.00
9	11490.00	57.8 PK	74.0	-16.2	1.43 V	63	9.80	48.00
10	11490.00	47.2 AV	54.0	-6.8	1.43 V	63	-0.80	48.00

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 157	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1008 hPa	TESTED BY	Sun Lin

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	5000.00	59.7 PK	74.0	-14.3	1.00 H	338	23.20	36.50
2	5000.00	48.1 AV	54.0	-5.9	1.00 H	338	11.60	36.50
3	5080.00	59.3 PK	74.0	-14.7	1.21 H	316	22.70	36.60
4	5080.00	48.9 AV	54.0	-5.1	1.21 H	316	12.30	36.60
5	*5785.00	114.1 PK			1.32 H	223	76.10	38.00
6	*5785.00	101.2 AV			1.32 H	223	63.20	38.00
7	11570.00	58.9 PK	74.0	-15.1	1.47 H	53	11.00	47.90
8	11570.00	48.3 AV	54.0	-5.7	1.47 H	53	0.40	47.90
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	5000.00	58.8 PK	74.0	-15.2	1.27 V	337	22.30	36.50
2	5000.00	50.6 AV	54.0	-3.4	1.27 V	337	14.10	36.50
3	5080.00	57.7 PK	74.0	-16.3	1.41 V	12	21.10	36.60
4	5080.00	47.7 AV	54.0	-6.3	1.41 V	12	11.10	36.60
5	*5785.00	112.8 PK			1.52 V	163	74.80	38.00
6	*5785.00	101.0 AV			1.52 V	163	63.00	38.00
7	11570.00	58.2 PK	74.0	-15.8	1.32 V	47	10.30	47.90
8	11570.00	47.5 AV	54.0	-6.5	1.32 V	47	-0.40	47.90

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 165	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1008 hPa	TESTED BY	Sun Lin

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	5000.00	58.1 PK	74.0	-15.9	1.12 H	190	21.60	36.50
2	5000.00	48.1 AV	54.0	-5.9	1.12 H	190	11.60	36.50
3	5080.00	59.0 PK	74.0	-15.0	1.27 H	21	22.40	36.60
4	5080.00	48.5 AV	54.0	-5.5	1.27 H	21	11.90	36.60
5	*5825.00	111.8 PK			1.47 H	173	73.70	38.10
6	*5825.00	98.8 AV			1.47 H	173	60.70	38.10
7	#5850.00	72.8 PK	91.8	-19.0	1.31 H	130	34.60	38.20
8	#5850.00	51.9 AV	78.8	-26.9	1.31 H	130	13.70	38.20
9	11650.00	59.2 PK	74.0	-14.8	1.36 H	92	11.50	47.70
10	11650.00	48.5 AV	54.0	-5.5	1.36 H	92	0.80	47.70

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 165	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1008 hPa	TESTED BY	Sun Lin

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	5000.00	59.2 PK	74.0	-14.8	1.27 V	338	22.70	36.50
2	5000.00	52.3 AV	54.0	-1.7	1.27 V	338	15.80	36.50
3	5080.00	57.6 PK	74.0	-16.4	1.23 V	19	21.00	36.60
4	5080.00	48.3 AV	54.0	-5.7	1.23 V	19	11.70	36.60
5	*5825.00	110.2 PK			1.41 V	198	72.10	38.10
6	*5825.00	98.2 AV			1.41 V	198	60.10	38.10
7	#5850.00	70.3 PK	90.2	-19.9	1.22 V	305	32.10	38.20
8	#5850.00	49.3 AV	78.2	-28.9	1.22 V	305	11.10	38.20
9	11650.00	58.5 PK	74.0	-15.5	1.35 V	69	10.80	47.70
10	11650.00	47.8 AV	54.0	-6.2	1.35 V	69	0.10	47.70

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

802.11n (40MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 151	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1008 hPa	TESTED BY	Mark 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	5400.00	62.3 PK	74.0	-11.7	1.21 H	324	25.10	37.20
2	5400.00	52.9 AV	54.0	-1.1	1.21 H	324	15.70	37.20
3	#5725.00	85.1 PK	90.7	-5.6	1.05 H	121	47.10	38.00
4	#5725.00	67.2 AV	78.1	-10.9	1.05 H	121	29.20	38.00
5	*5745.00	110.7 PK			1.15 H	112	72.70	38.00
6	*5745.00	98.1 AV			1.15 H	112	60.10	38.00
7	11510.00	61.1 PK	74.0	-12.9	1.36 H	19	13.10	48.00
8	11510.00	48.1 AV	54.0	-5.9	1.36 H	19	0.10	48.00
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	5400.00	61.7 PK	74.0	-12.3	1.02 V	199	24.50	37.20
2	5400.00	50.9 AV	54.0	-3.1	1.02 V	199	13.70	37.20
3	#5725.00	84.4 PK	89.1	-4.7	1.51 V	195	46.40	38.00
4	#5725.00	66.2 AV	77.4	-11.2	1.51 V	195	28.20	38.00
5	*5745.00	109.1 PK			1.15 V	236	71.10	38.00
6	*5745.00	97.4 AV			1.15 V	236	59.40	38.00
7	11510.00	60.5 PK	74.0	-13.5	1.24 V	63	12.50	48.00
8	11510.00	47.7 AV	54.0	-6.3	1.24 V	63	-0.30	48.00

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 159	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1008 hPa	TESTED BY	Mark 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	5040.00	60.9 PK	74.0	-13.1	1.00 H	193	24.30	36.60
2	5040.00	51.5 AV	54.0	-2.5	1.00 H	193	14.90	36.60
3	5360.00	63.0 PK	74.0	-11.0	1.10 H	329	25.80	37.20
4	5360.00	52.8 AV	54.0	-1.2	1.10 H	329	15.60	37.20
5	*5795.00	109.4 PK			1.20 H	92	71.30	38.10
6	*5795.00	97.8 AV			1.20 H	92	59.70	38.10
7	#5850.00	68.5 PK	89.4	-20.9	1.01 H	117	30.30	38.20
8	#5850.00	52.6 AV	77.8	-25.2	1.01 H	117	14.40	38.20
9	11590.00	60.7 PK	74.0	-13.3	1.19 H	61	12.80	47.90
10	11590.00	47.8 AV	54.0	-6.2	1.19 H	61	-0.10	47.90

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 159	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1008 hPa	TESTED BY	Mark Liao

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	5040.00	60.1 PK	74.0	-13.9	1.26 V	334	23.50	36.60
2	5040.00	49.8 AV	54.0	-4.2	1.26 V	334	13.20	36.60
3	5360.00	61.5 PK	74.0	-12.5	1.30 V	19	24.30	37.20
4	5360.00	52.7 AV	54.0	-1.3	1.30 V	19	15.50	37.20
5	*5795.00	107.8 PK			1.28 V	210	69.70	38.10
6	*5795.00	96.1 AV			1.28 V	210	58.00	38.10
7	#5850.00	64.1 PK	87.8	-23.7	1.02 V	165	25.90	38.20
8	#5850.00	49.1 AV	76.1	-27.0	1.02 V	165	10.90	38.20
9	11590.00	60.1 PK	74.0	-13.9	1.13 V	91	12.20	47.90
10	11590.00	47.4 AV	54.0	-6.6	1.13 V	91	-0.50	47.90

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. " * ": Fundamental frequency.
6. The limit value is defined as per 15.247.
7. "#":The radiated frequency is out the restricted band.

BELOW 1GHz WORST-CASE DATA：802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 149	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120 Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1018 hPa	TESTED BY	Brad Wu

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	99.89	33.0 QP	43.5	-10.5	1.50 H	151	22.90	10.10
2	232.11	33.5 QP	46.0	-12.5	1.00 H	73	21.60	11.90
3	298.21	33.1 QP	46.0	-12.9	1.00 H	88	18.50	14.60
4	500.42	34.3 QP	46.0	-11.7	1.50 H	52	14.50	19.80
5	667.63	39.2 QP	46.0	-6.8	1.00 H	217	16.10	23.10
6	924.27	33.5 QP	46.0	-12.5	1.50 H	40	7.20	26.30
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	59.06	28.4 QP	40.0	-11.6	1.50 V	7	15.20	13.20
2	300.16	28.0 QP	46.0	-18.0	1.50 V	262	13.30	14.70
3	527.64	31.5 QP	46.0	-14.5	1.00 V	10	11.00	20.50
4	593.74	30.1 QP	46.0	-15.9	1.00 V	10	8.20	21.90
5	665.68	37.4 QP	46.0	-8.6	1.00 V	181	14.30	23.10
6	926.22	34.7 QP	46.0	-11.3	1.50 V	310	8.40	26.30

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.

5.2 CONDUCTED EMISSION MEASUREMENT

5.2.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dBμV)	
	Quasi-peak	Average
0.15 ~ 0.5	66 to 56	56 to 46
0.5 ~ 5	56	46
5 ~ 30	60	50

NOTE: 1. The lower limit shall apply at the transition frequencies.

2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

3. All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

5.2.2 T EST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver ROHDE & SCHWARZ	ESCS30	100288	Sep. 30, 2010	Sep. 29, 2011
RF signal cable Woken	5D-FB	Cable-HYCO2-01	Dec. 31, 2009	Dec. 30, 2010
LISN ROHDE & SCHWARZ	ESH2-Z5	100100	Dec. 25, 2009	Dec. 24, 2010
LISN ROHDE & SCHWARZ	ESH3-Z5	100311	Jul. 08, 2010	Jul. 07, 2011
Software ADT	ADT_Cond_ V7.3.7	NA	NA	NA

NOTE: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

2. The test was performed in HwaYa Shielded Room 2.

3. The VCCI Site Registration No. is C-2047.

5.2.3 TEST PROCEDURES

a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.

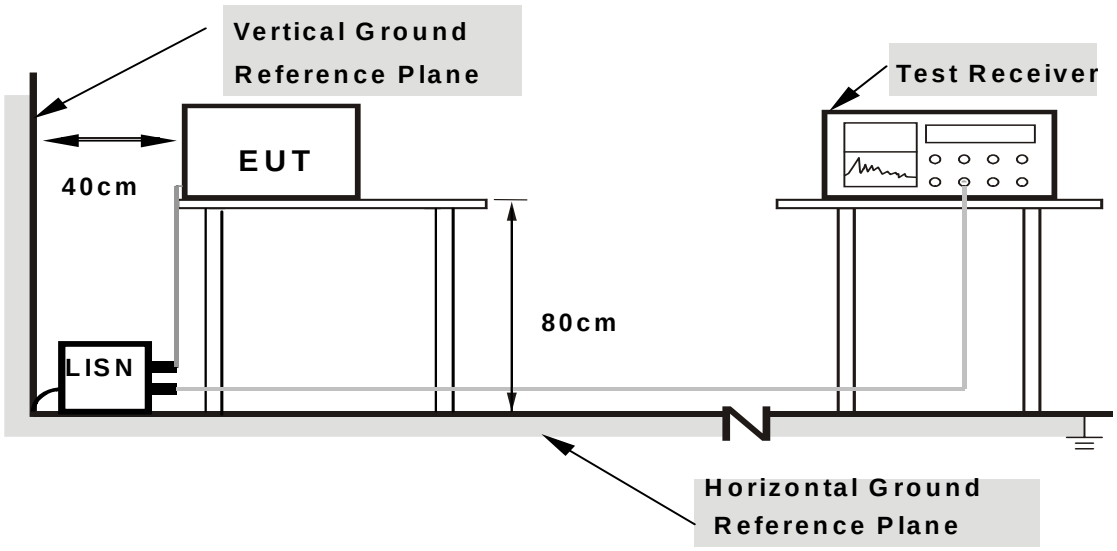
b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.

c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

5.2.4 DEVIATION FROM TEST STANDARD

No deviation.

5.2.5 TEST SETUP



Note: 1.Support units were connected to second LISN.
2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

For the actual test configuration, please refer to the attached file (Test Setup Photo).

5.2.6 EUT OPERATING CONDITIONS

Same as 4.1.6

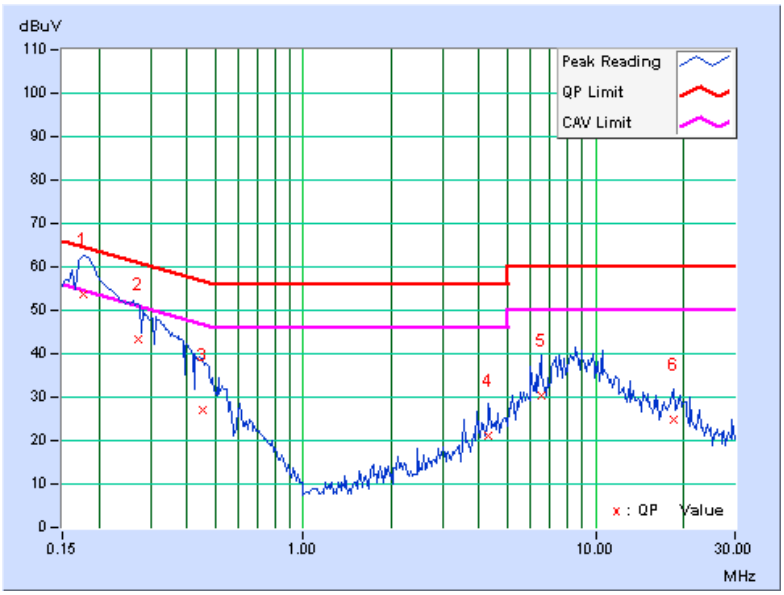
5.2.7 TEST RESULTS (TEST MODE A 1)

CONDUCTED WORST-CASE DATA： 802.11a

PHASE	Line 1	6dB BANDWIDTH	9kHz

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.177	0.16	53.61	-	53.77	-	64.61	54.61	-10.84	-
2	0.271	0.17	42.98	-	43.15	-	61.08	51.08	-17.94	-
3	0.451	0.18	26.68	-	26.86	-	56.86	46.86	-30.00	-
4	4.281	0.35	20.94	-	21.29	-	56.00	46.00	-34.71	-
5	6.508	0.35	29.90	-	30.25	-	60.00	50.00	-29.75	-
6	18.410	0.63	24.00	-	24.63	-	60.00	50.00	-35.37	-

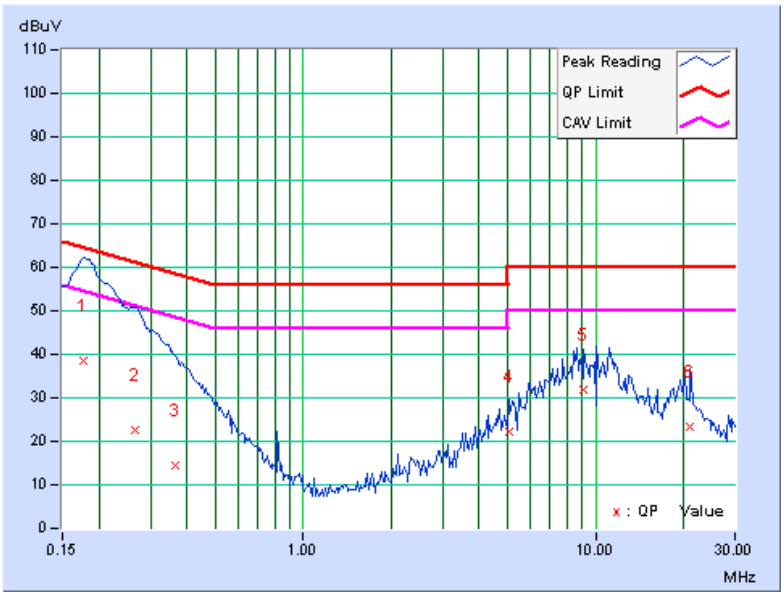
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



PHASE	Line 2	6dB BANDWIDTH	9kHz

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.177	0.13	38.50	-	38.63	-	64.61	54.61	-25.98	-
2	0.267	0.14	22.59	-	22.73	-	61.20	51.20	-38.47	-
3	0.365	0.15	14.21	-	14.36	-	58.62	48.62	-44.25	-
4	5.035	0.37	22.00	-	22.37	-	60.00	50.00	-37.63	-
5	9.133	0.43	31.46	-	31.89	-	60.00	50.00	-28.11	-
6	21.074	0.91	22.49	-	23.40	-	60.00	50.00	-36.60	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



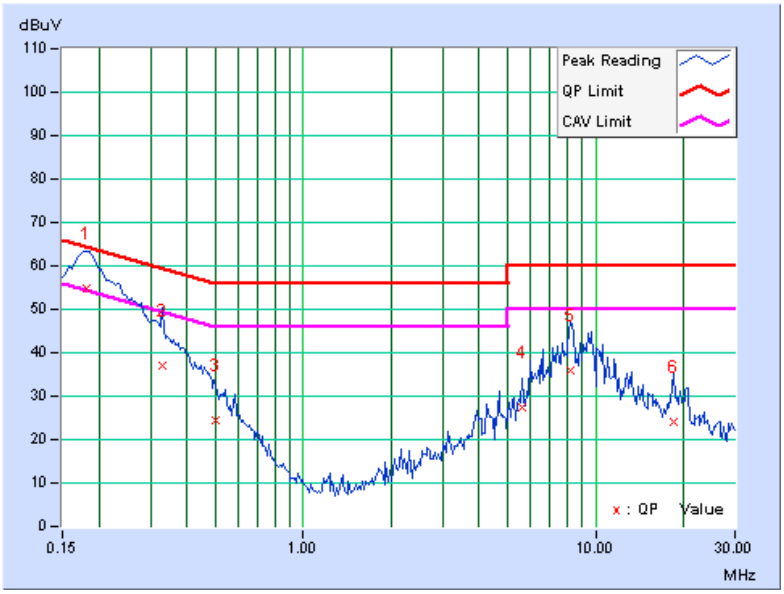
5.2.8 TEST RESULTS (TEST MODE A 2)

CONDUCTED WORST-CASE DATA： 802.11n (20MHz)

PHASE	Line 1	6dB BANDWIDTH	9kHz

No	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
		Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.181	0.16	54.53	23.90	54.69	24.06	64.43	54.43	-9.74	-30.37
2	0.330	0.17	37.05	-	37.22	-	59.46	49.46	-22.24	-
3	0.500	0.19	24.22	-	24.41	-	56.00	46.00	-31.59	-
4	5.609	0.35	27.17	-	27.52	-	60.00	50.00	-32.48	-
5	8.219	0.35	35.62	-	35.97	-	60.00	50.00	-24.03	-
6	18.406	0.63	23.39	-	24.02	-	60.00	50.00	-35.98	-

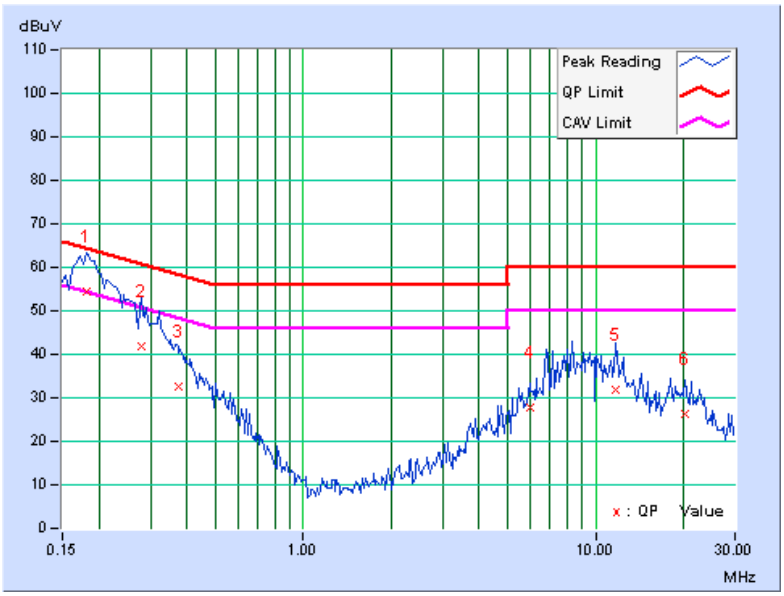
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



PHASE	Line 2	6dB BANDWIDTH	9kHz

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.181	0.13	54.29	-	54.42	-	64.43	54.43	-10.01	-
2	0.279	0.14	41.84	-	41.98	-	60.85	50.85	-18.87	-
3	0.373	0.16	32.47	-	32.63	-	58.44	48.44	-25.82	-
4	5.949	0.39	27.32	-	27.71	-	60.00	50.00	-32.29	-
5	11.773	0.52	31.36	-	31.88	-	60.00	50.00	-28.12	-
6	20.227	0.92	25.36	-	26.28	-	60.00	50.00	-33.72	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



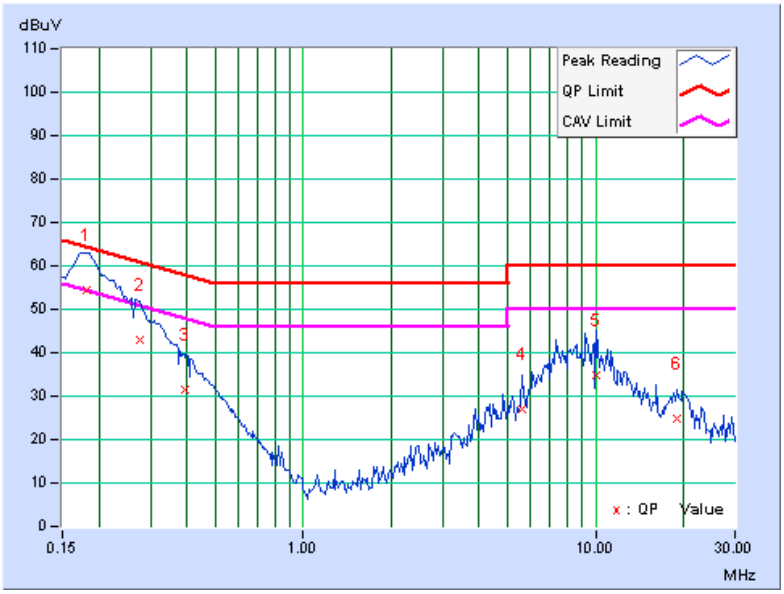
5.2.9 TEST RESULTS (TEST MODE B 1)

CONDUCTED WORST-CASE DATA： 802.11n (20MHz)

PHASE	Line 1	6dB BANDWIDTH	9kHz

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.181	0.16	54.35	23.71	54.51	23.87	64.43	54.43	-9.92	-30.56
2	0.275	0.17	42.82	-	42.99	-	60.97	50.97	-17.98	-
3	0.392	0.18	31.37	-	31.55	-	58.02	48.02	-26.47	-
4	5.582	0.35	26.61	-	26.96	-	60.00	50.00	-33.04	-
5	10.113	0.35	34.30	-	34.65	-	60.00	50.00	-25.35	-
6	18.988	0.65	24.21	-	24.86	-	60.00	50.00	-35.14	-

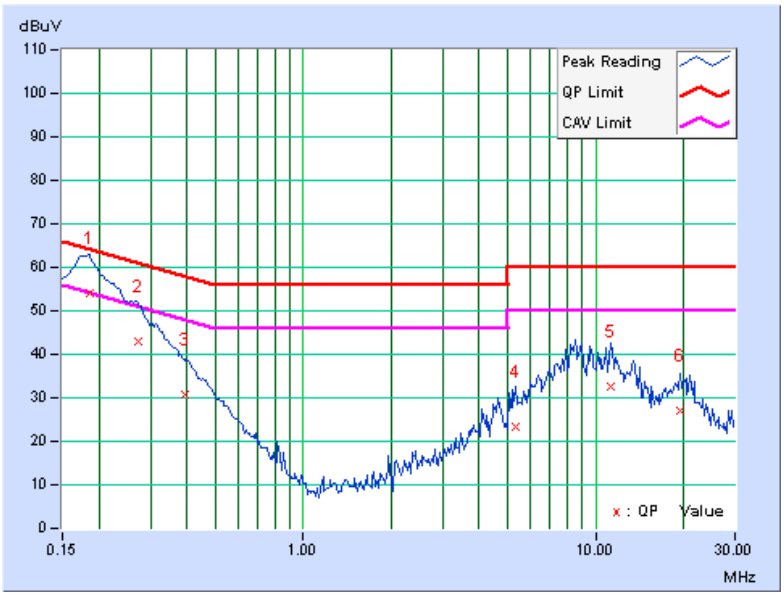
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



PHASE	Line 2	6dB BANDWIDTH	9kHz

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.185	0.13	53.91	-	54.04	-	64.25	54.25	-10.21	-
2	0.271	0.14	42.84	-	42.98	-	61.08	51.08	-18.10	-
3	0.392	0.16	30.71	-	30.87	-	58.02	48.02	-27.15	-
4	5.313	0.38	22.92	-	23.30	-	60.00	50.00	-36.70	-
5	11.211	0.49	32.05	-	32.54	-	60.00	50.00	-27.46	-
6	19.488	0.89	26.27	-	27.16	-	60.00	50.00	-32.84	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



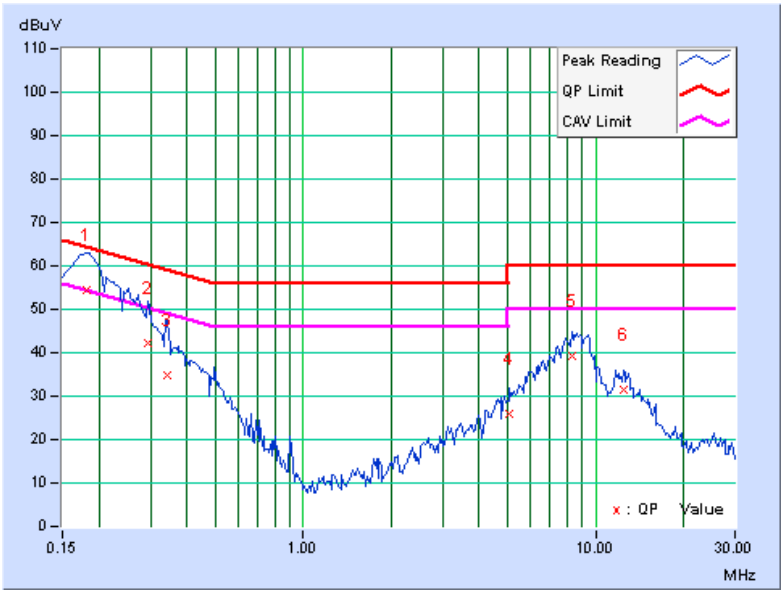
5.2.10 TEST RESULTS (TEST MODE B 2)

CONDUCTED WORST-CASE DATA： 802.11n (20MHz)

PHASE	Line 1	6dB BANDWIDTH	9kHz

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.181	0.16	54.43	24.06	54.59	24.22	64.43	54.43	-9.84	-30.21
2	0.295	0.17	42.13	-	42.30	-	60.40	50.40	-18.10	-
3	0.341	0.17	34.63	-	34.80	-	59.17	49.17	-24.36	-
4	5.094	0.35	25.76	-	26.11	-	60.00	50.00	-33.89	-
5	8.262	0.35	38.77	-	39.12	-	60.00	50.00	-20.88	-
6	12.477	0.42	31.08	-	31.50	-	60.00	50.00	-28.50	-

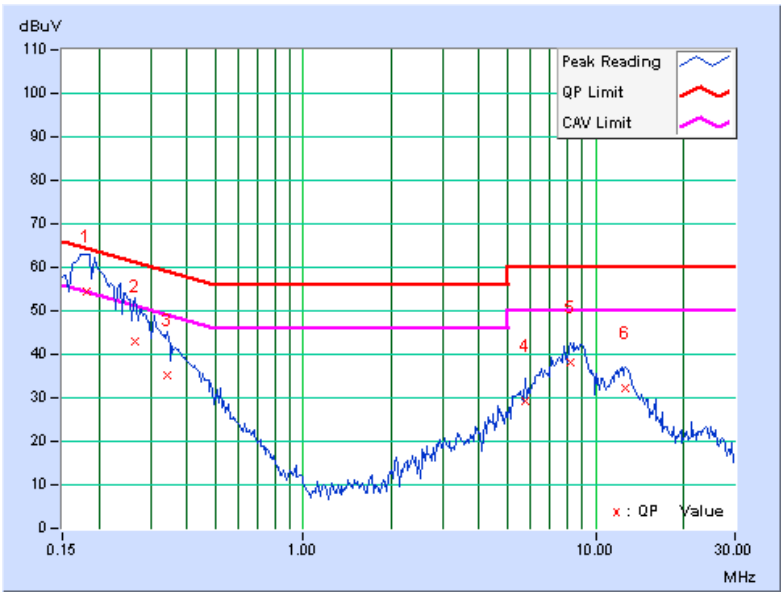
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



PHASE	Line 2	6dB BANDWIDTH	9kHz

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.181	0.13	54.29	-	54.42	-	64.43	54.43	-10.01	-
2	0.267	0.14	42.83	-	42.97	-	61.20	51.20	-18.23	-
3	0.341	0.15	35.17	-	35.32	-	59.17	49.17	-23.85	-
4	5.746	0.38	28.76	-	29.14	-	60.00	50.00	-30.86	-
5	8.258	0.42	37.72	-	38.14	-	60.00	50.00	-21.86	-
6	12.695	0.56	31.78	-	32.34	-	60.00	50.00	-27.66	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



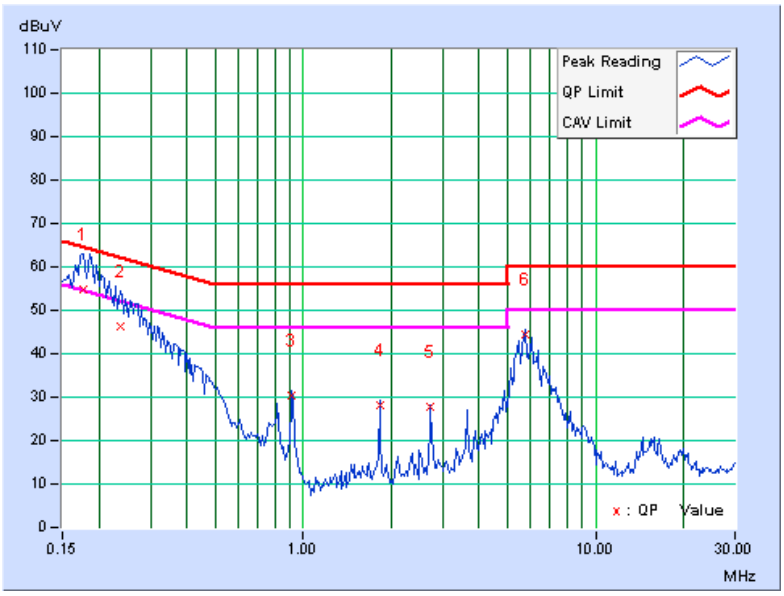
5.2.11 TEST RESULTS (TEST MODE C 1)

CONDUCTED WORST-CASE DATA： 802.11a

PHASE	Line 1	6dB BANDWIDTH	9kHz

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.177	0.16	54.55	26.28	54.71	26.44	64.61	54.61	-9.90	-28.17
2	0.236	0.16	46.18	-	46.34	-	62.24	52.24	-15.89	-
3	0.912	0.22	30.15	-	30.37	-	56.00	46.00	-25.63	-
4	1.824	0.30	27.96	-	28.26	-	56.00	46.00	-27.74	-
5	2.734	0.32	27.50	-	27.82	-	56.00	46.00	-28.18	-
6	5.734	0.35	44.11	-	44.46	-	60.00	50.00	-15.54	-

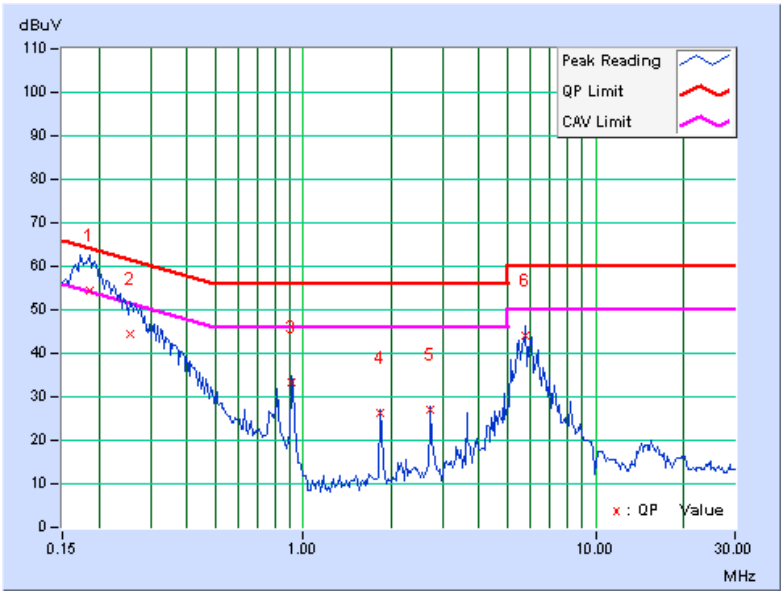
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



PHASE	Line 2	6dB BANDWIDTH	9kHz

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.185	0.13	54.39	24.34	54.52	24.47	64.25	54.25	-9.73	-29.78
2	0.255	0.14	44.24	-	44.38	-	61.58	51.58	-17.20	-
3	0.912	0.21	33.29	-	33.50	-	56.00	46.00	-22.50	-
4	1.824	0.29	26.09	-	26.38	-	56.00	46.00	-29.62	-
5	2.734	0.32	26.60	-	26.92	-	56.00	46.00	-29.08	-
6	5.742	0.38	43.87	-	44.25	-	60.00	50.00	-15.75	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



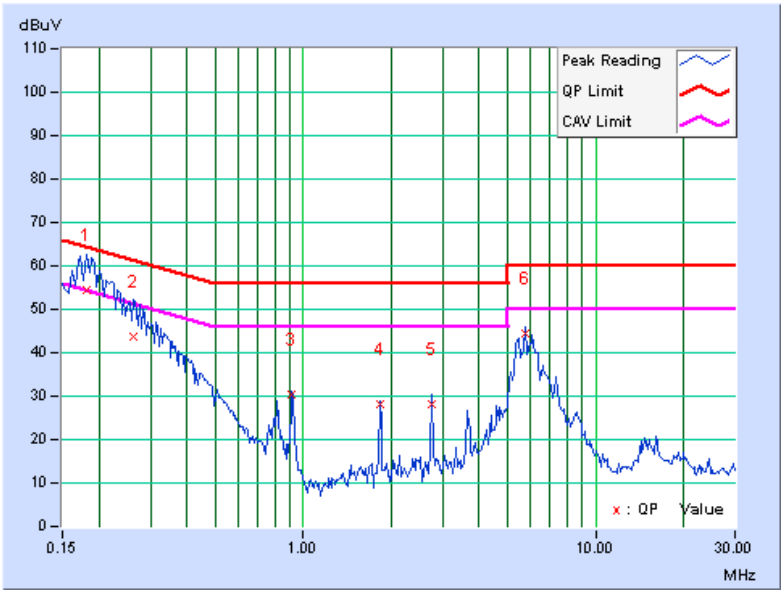
5.2.12 TEST RESULTS (TEST MODE C 2)

CONDUCTED WORST-CASE DATA： 802.11a

PHASE	Line 1	6dB BANDWIDTH	9kHz

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.181	0.16	54.15	-	54.31	-	64.43	54.43	-10.12	-
2	0.263	0.17	43.52	-	43.69	-	61.33	51.33	-17.64	-
3	0.912	0.22	30.09	-	30.31	-	56.00	46.00	-25.69	-
4	1.824	0.30	27.96	-	28.26	-	56.00	46.00	-27.74	-
5	2.738	0.32	27.74	-	28.06	-	56.00	46.00	-27.94	-
6	5.723	0.35	44.07	-	44.42	-	60.00	50.00	-15.58	-

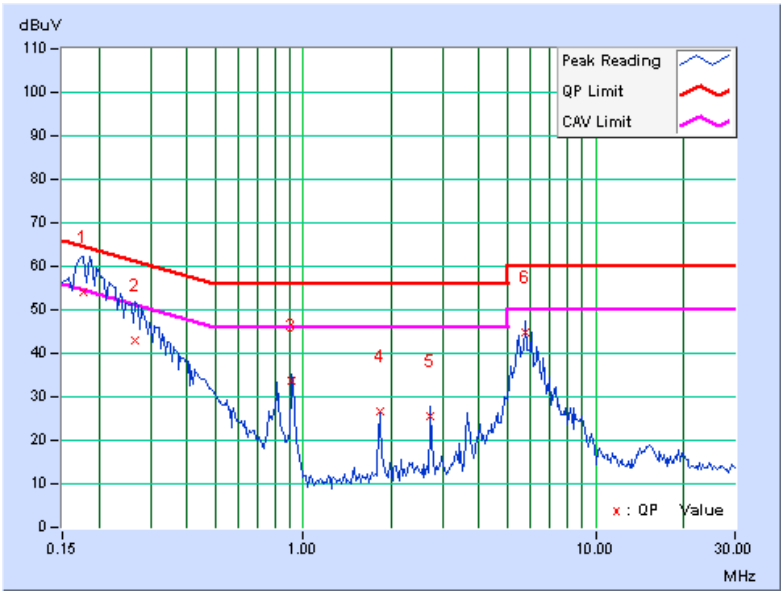
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



PHASE	Line 2	6dB BANDWIDTH	9kHz

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.177	0.13	53.85	-	53.98	-	64.61	54.61	-10.63	-
2	0.267	0.14	42.95	-	43.09	-	61.20	51.20	-18.11	-
3	0.912	0.21	33.48	-	33.69	-	56.00	46.00	-22.31	-
4	1.824	0.29	26.21	-	26.50	-	56.00	46.00	-29.50	-
5	2.734	0.32	25.24	-	25.56	-	56.00	46.00	-30.44	-
6	5.734	0.38	44.54	-	44.92	-	60.00	50.00	-15.08	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



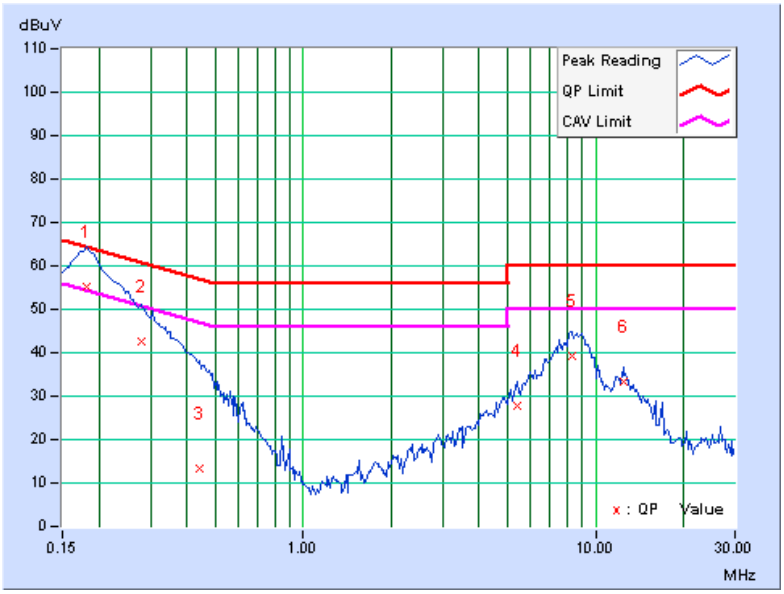
5.2.13 TEST RESULTS (TEST MODE D 1)

CONDUCTED WORST-CASE DATA： 802.11n (20MHz)

PHASE	Line 1	6dB BANDWIDTH	9kHz

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	**0.181**	**0.16**	**55.13**	**24.64**	**55.29**	**24.80**	**64.43**	**54.43**	**-9.14**	**-29.63**
2	0.279	0.17	42.34	-	42.51	-	60.85	50.85	-18.34	-
3	0.439	0.18	13.03	-	13.21	-	57.08	47.08	-43.87	-
4	5.430	0.35	27.29	-	27.64	-	60.00	50.00	-32.36	-
5	8.270	0.35	38.97	-	39.32	-	60.00	50.00	-20.68	-
6	12.484	0.42	32.97	-	33.39	-	60.00	50.00	-26.61	-

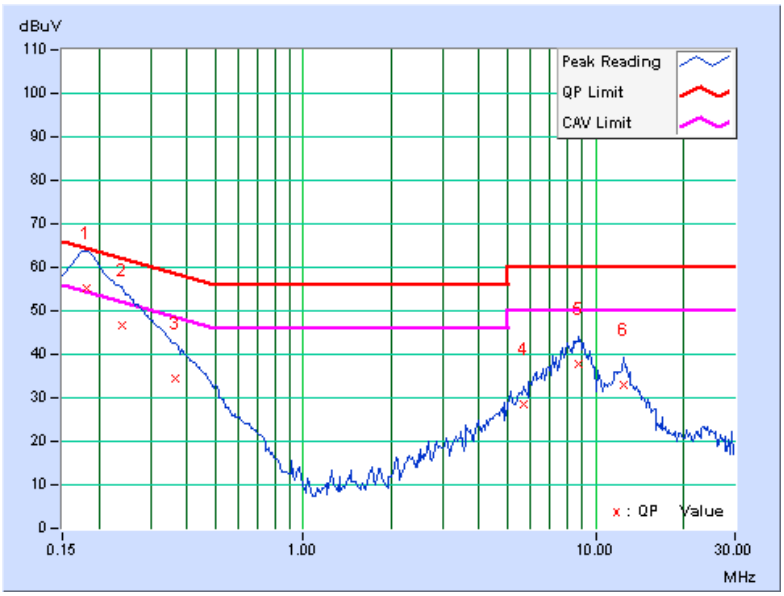
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



PHASE	Line 2	6dB BANDWIDTH	9kHz

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.181	0.13	55.01	24.58	55.14	24.71	64.43	54.43	-9.29	-29.72
2	0.240	0.14	46.38	-	46.52	-	62.10	52.10	-15.59	-
3	0.365	0.15	34.23	-	34.38	-	58.62	48.62	-24.23	-
4	5.664	0.38	28.11	-	28.49	-	60.00	50.00	-31.51	-
5	8.781	0.42	37.41	-	37.83	-	60.00	50.00	-22.17	-
6	12.473	0.55	32.47	-	33.02	-	60.00	50.00	-26.98	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



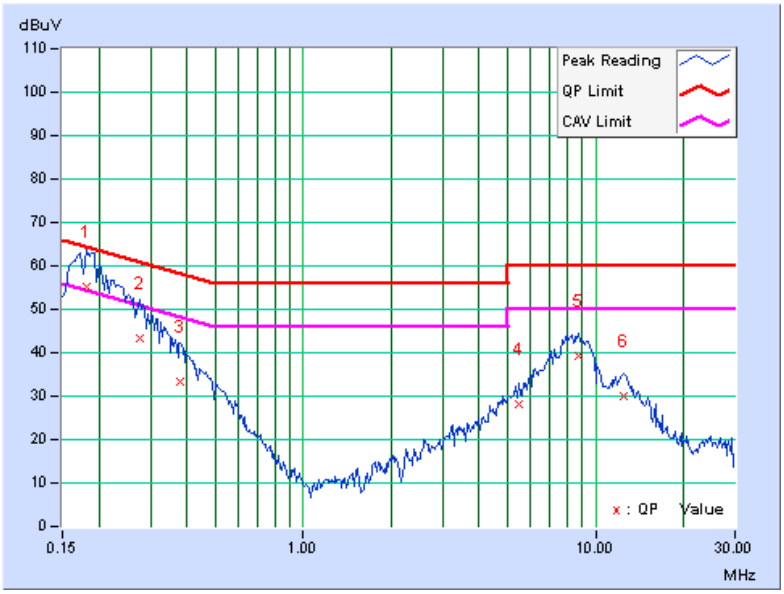
5.2.14 TEST RESULTS (TEST MODE D 2)

CONDUCTED WORST-CASE DATA： 802.11n (20MHz)

PHASE	Line 1	6dB BANDWIDTH	9kHz

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.181	0.16	54.91	24.40	55.07	24.56	64.43	54.43	-9.36	-29.87
2	0.275	0.17	43.34	-	43.51	-	60.97	50.97	-17.46	-
3	0.380	0.18	33.07	-	33.25	-	58.27	48.27	-25.02	-
4	5.453	0.35	27.72	-	28.07	-	60.00	50.00	-31.93	-
5	8.730	0.35	38.81	-	39.16	-	60.00	50.00	-20.84	-
6	12.445	0.42	29.64	-	30.06	-	60.00	50.00	-29.94	-

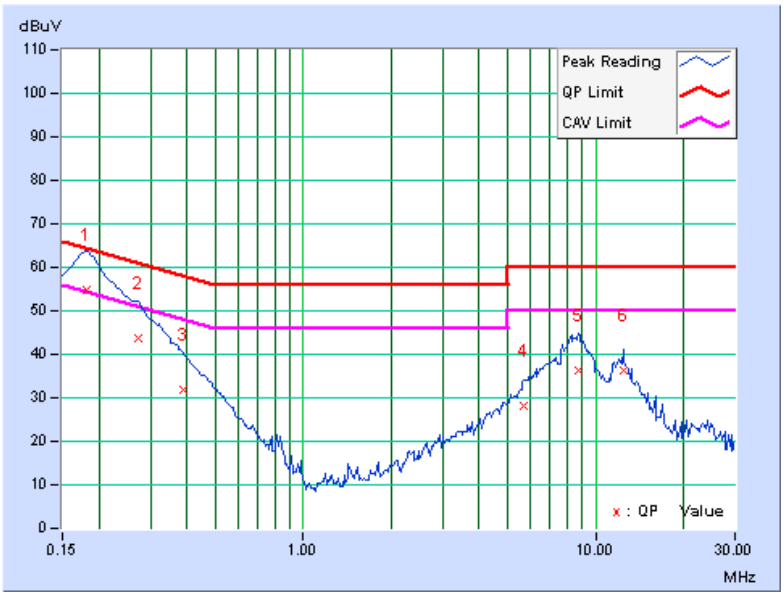
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



PHASE	Line 2	6dB BANDWIDTH	9kHz

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.181	0.13	54.69	24.22	54.82	24.35	64.43	54.43	-9.61	-30.08
2	0.271	0.14	43.45	-	43.59	-	61.08	51.08	-17.49	-
3	0.388	0.16	31.87	-	32.03	-	58.10	48.10	-26.07	-
4	5.707	0.38	27.89	-	28.27	-	60.00	50.00	-31.73	-
5	8.703	0.42	35.82	-	36.24	-	60.00	50.00	-23.76	-
6	12.480	0.55	35.79	-	36.34	-	60.00	50.00	-23.66	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



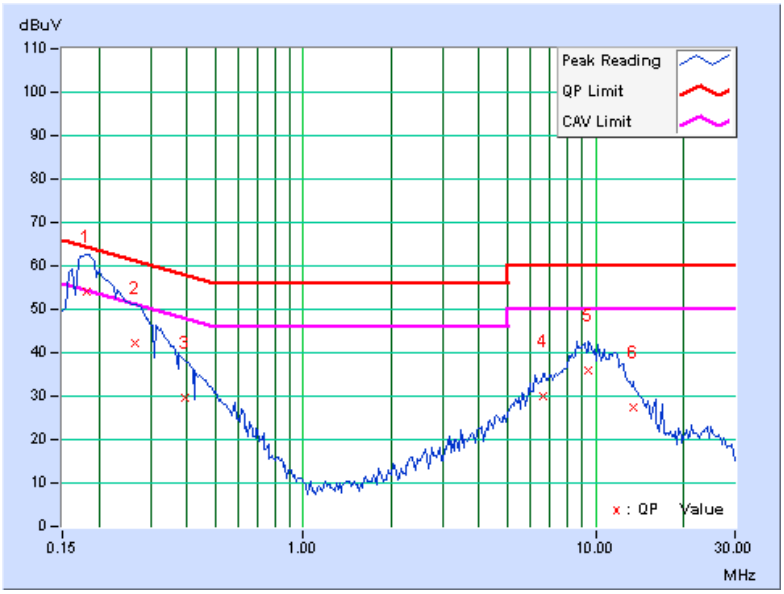
5.2.15 TEST RESULTS (TEST MODE E 1)

CONDUCTED WORST-CASE DATA： 802.11n (20MHz)

PHASE	Line 1	6dB BANDWIDTH	9kHz

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.181	0.16	53.83	-	53.99	-	64.43	54.43	-10.44	-
2	0.267	0.17	42.11	-	42.28	-	61.20	51.20	-18.93	-
3	0.392	0.18	29.40	-	29.58	-	58.02	48.02	-28.44	-
4	6.594	0.35	29.68	-	30.03	-	60.00	50.00	-29.97	-
5	9.488	0.35	35.45	-	35.80	-	60.00	50.00	-24.20	-
6	13.504	0.46	27.06	-	27.52	-	60.00	50.00	-32.48	-

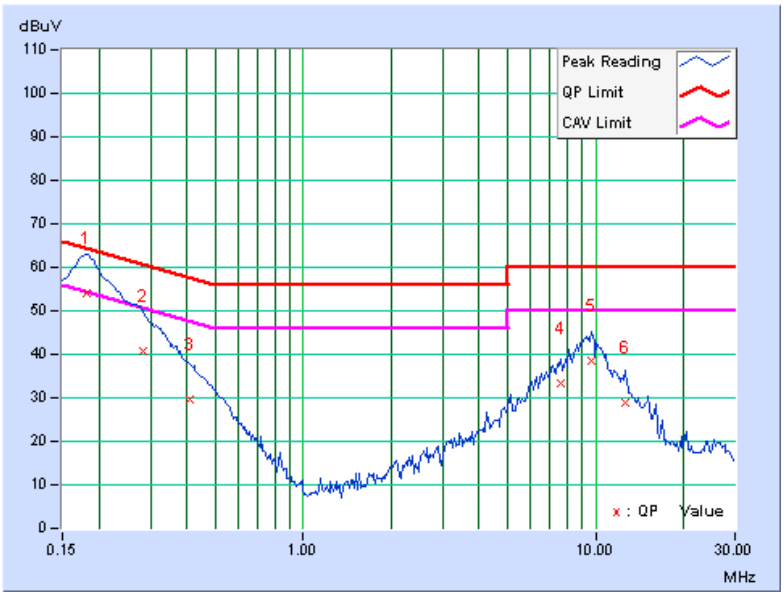
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



PHASE	Line 2	6dB BANDWIDTH	9kHz

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.181	0.13	53.79	-	53.92	-	64.43	54.43	-10.51	-
2	0.283	0.14	40.63	-	40.77	-	60.73	50.73	-19.96	-
3	0.408	0.16	29.41	-	29.57	-	57.69	47.69	-28.12	-
4	7.578	0.41	32.79	-	33.20	-	60.00	50.00	-26.80	-
5	9.738	0.44	38.16	-	38.60	-	60.00	50.00	-21.40	-
6	12.574	0.55	28.46	-	29.01	-	60.00	50.00	-30.99	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



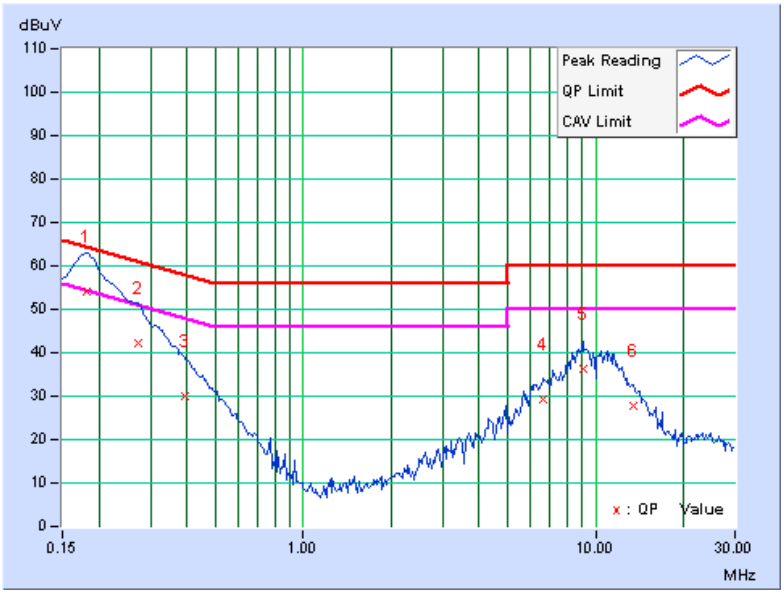
5.2.16 TEST RESULTS (TEST MODE E 2)

CONDUCTED WORST-CASE DATA： 802.11n (20MHz)

PHASE	Line 1	6dB BANDWIDTH	9kHz

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.181	0.16	53.85	-	54.01	-	64.43	54.43	-10.42	-
2	0.271	0.17	42.16	-	42.33	-	61.08	51.08	-18.76	-
3	0.392	0.18	29.97	-	30.15	-	58.02	48.02	-27.87	-
4	6.633	0.35	28.92	-	29.27	-	60.00	50.00	-30.73	-
5	9.047	0.35	36.09	-	36.44	-	60.00	50.00	-23.56	-
6	13.410	0.45	27.48	-	27.93	-	60.00	50.00	-32.07	-

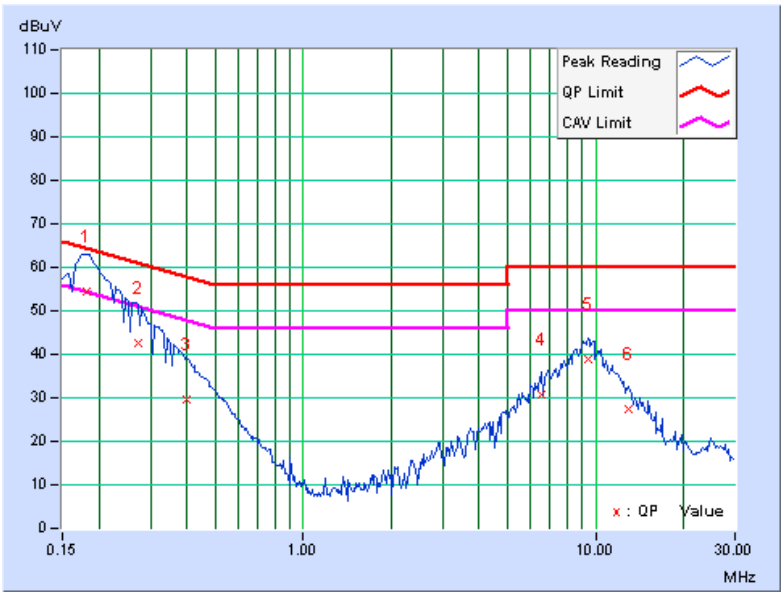
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



PHASE	Line 2	6dB BANDWIDTH	9kHz

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.181	0.13	54.23	-	54.36	-	64.43	54.43	-10.07	-
2	0.271	0.14	42.48	-	42.62	-	61.08	51.08	-18.46	-
3	0.400	0.16	29.61	-	29.77	-	57.85	47.85	-28.08	-
4	6.527	0.39	30.32	-	30.71	-	60.00	50.00	-29.29	-
5	9.387	0.43	38.36	-	38.79	-	60.00	50.00	-21.21	-
6	13.020	0.57	26.83	-	27.40	-	60.00	50.00	-32.60	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



5.3 6dB BANDWIDTH MEASUREMENT

5.3.1 LIMITS OF 6dB BANDWIDTH MEASUREMENT

The minimum of 6dB Bandwidth Measurement is 0.5MHz.

5.3.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	CALIBRATED UNTIL
R&S SPECTRUM ANALYZER	FSP40	100039	Jan. 11, 2010	Jan. 10, 2011

NOTE: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

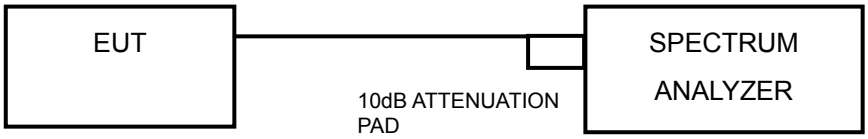
5.3.3 TEST PROCEDURE

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 300kHz VBW. The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.

5.3.4 DEVIATION FROM TEST STANDARD

No deviation

5.3.5 TEST SETUP



5.3.6 EUT OPERATING CONDITIONS

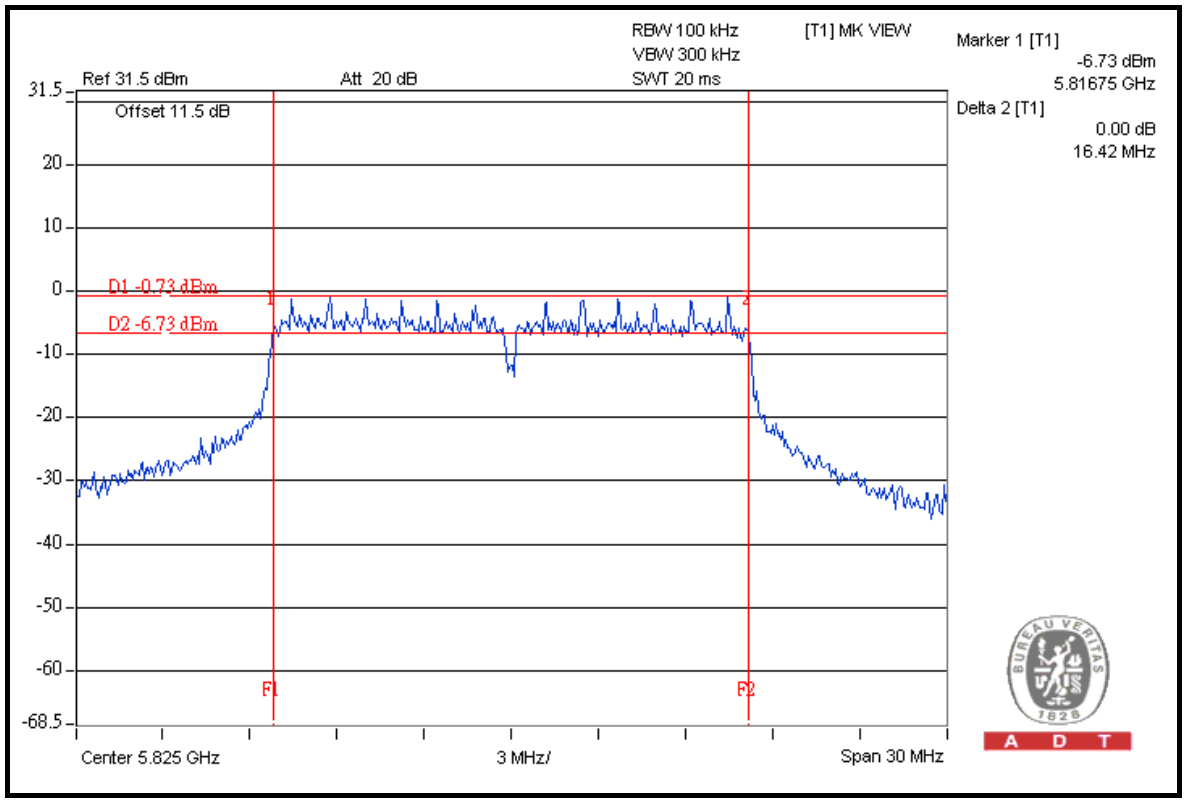
The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

5.3.7 TEST RESULTS (TEST MODE A 1)

802.11a

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
149	5745	16.37	16.37	16.37	0.5	PASS
157	5785	16.39	16.36	16.37	0.5	PASS
165	5825	16.41	16.42	16.40	0.5	PASS

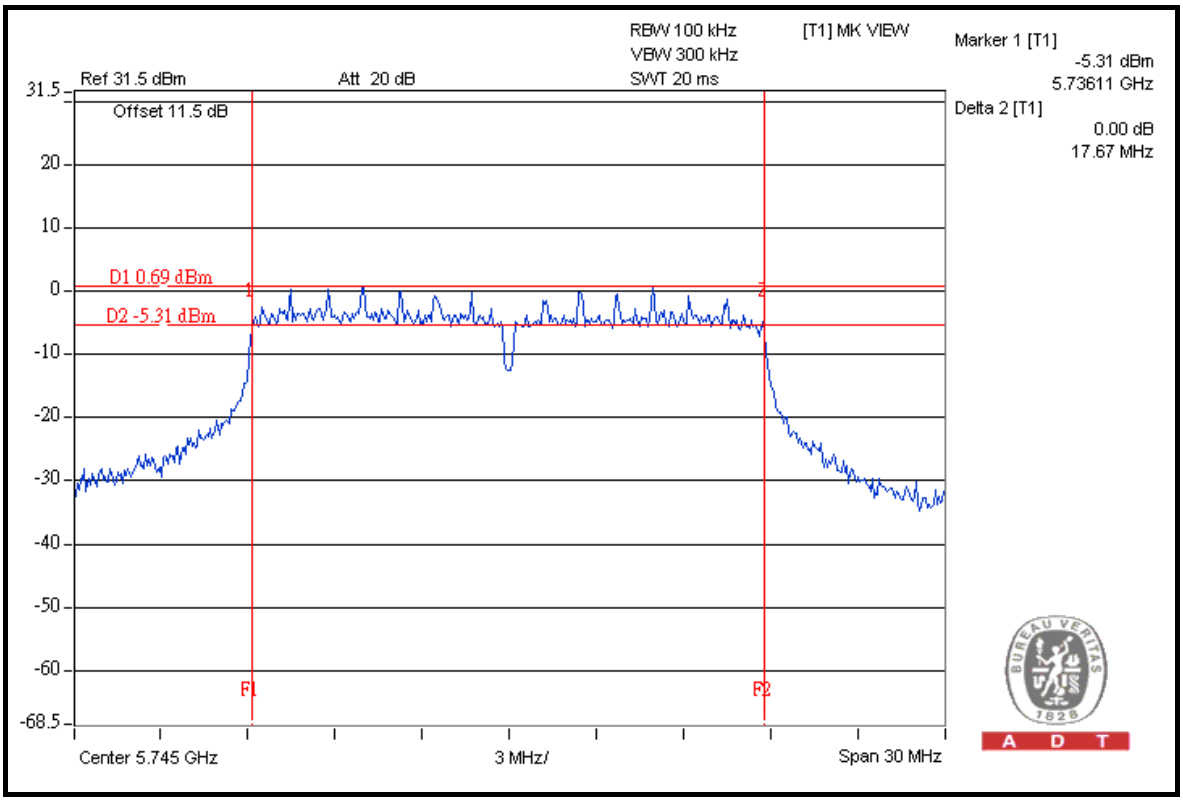
FOR CHAIN 1: CH 165



802.11n (20MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
149	5745	17.64	17.67	17.65	0.5	PASS
157	5785	17.36	17.66	17.34	0.5	PASS
165	5825	17.57	17.03	17.23	0.5	PASS

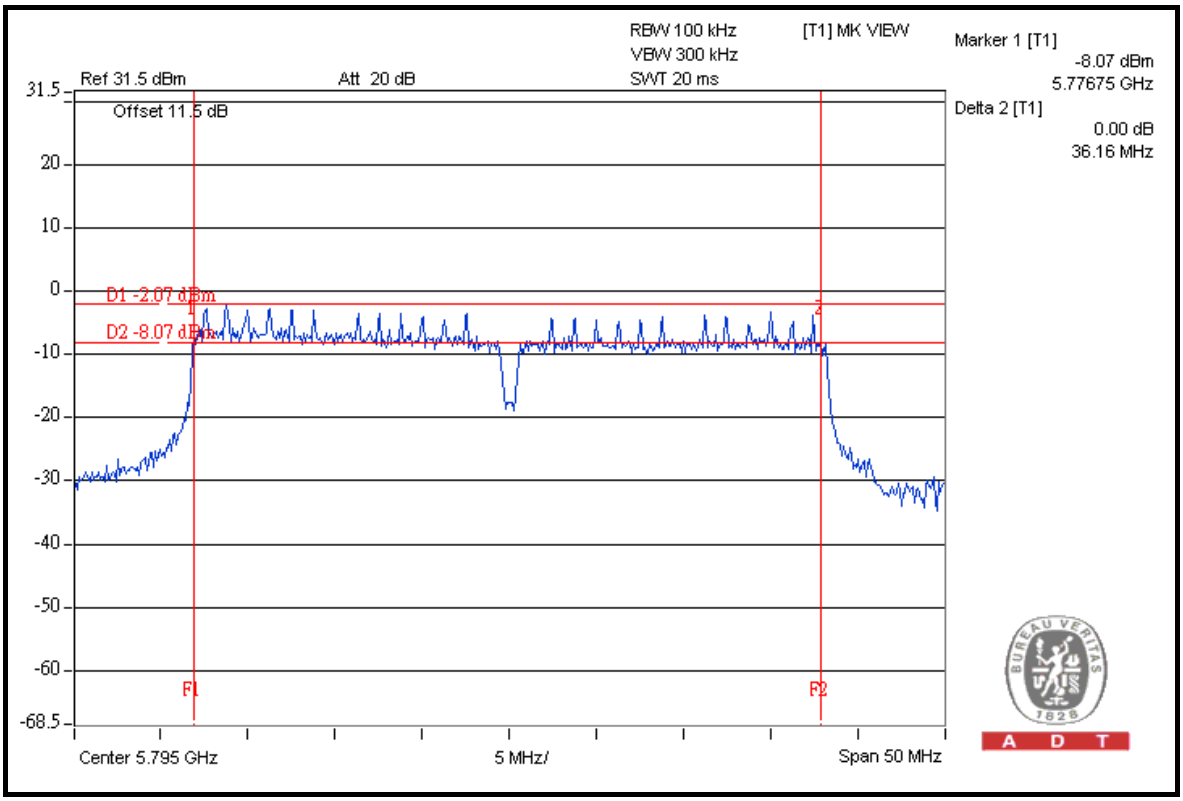
FOR CHAIN 1: CH 149



802.11n (40MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
151	5755	35.91	35.91	35.82	0.5	PASS
159	5795	35.83	36.07	36.16	0.5	PASS

FOR CHAIN 2: CH 159

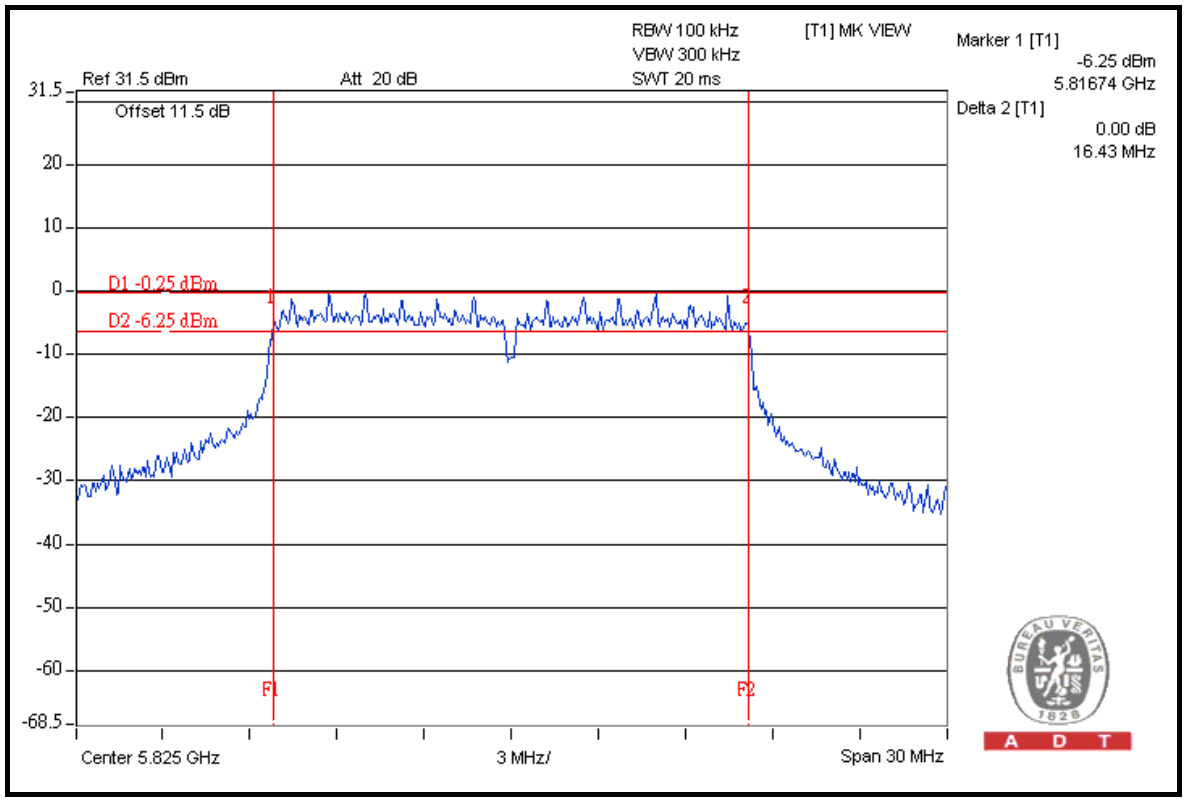


5.3.8 TEST RESULTS (TEST MODE A 2)

802.11a

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
149	5745	16.39	16.37	16.40	0.5	PASS
157	5785	16.33	16.41	16.42	0.5	PASS
165	5825	16.42	16.42	16.43	0.5	PASS

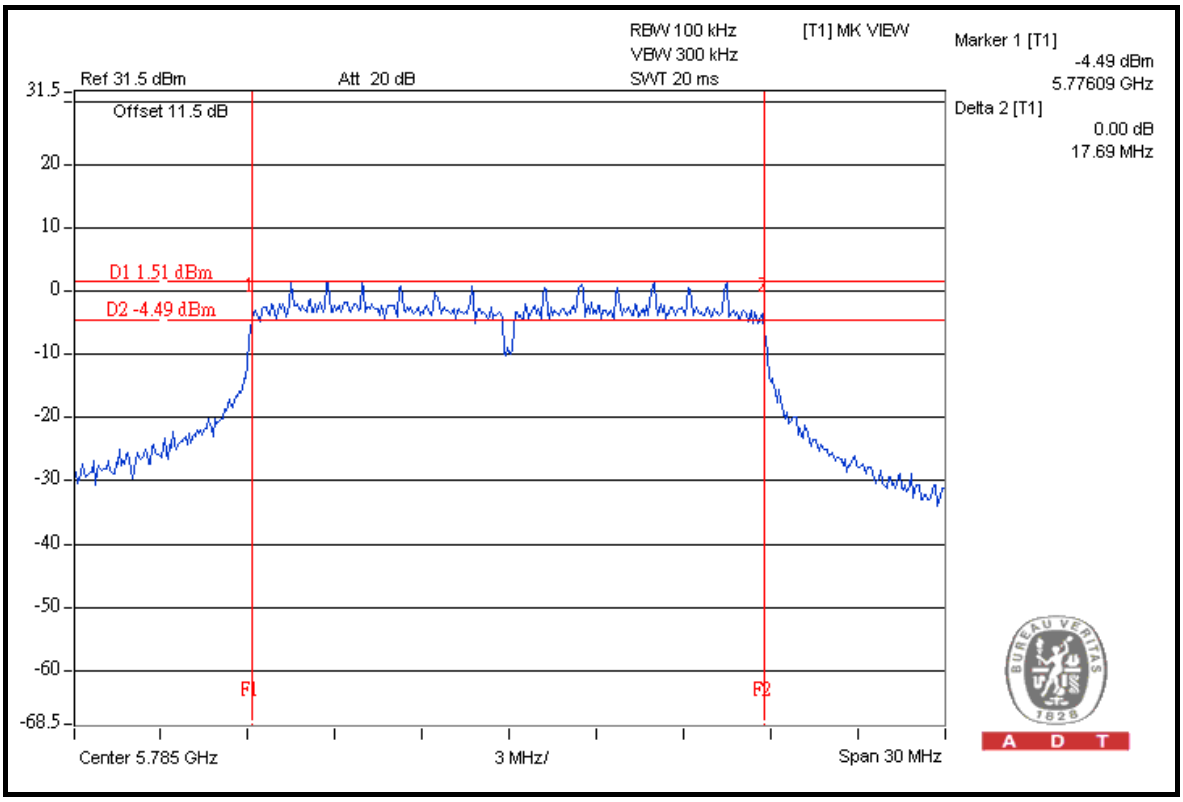
FOR CHAIN 2: CH 165



802.11n (20MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
149	5745	17.62	17.67	17.68	0.5	PASS
157	5785	17.65	17.64	17.69	0.5	PASS
165	5825	17.58	17.46	17.67	0.5	PASS

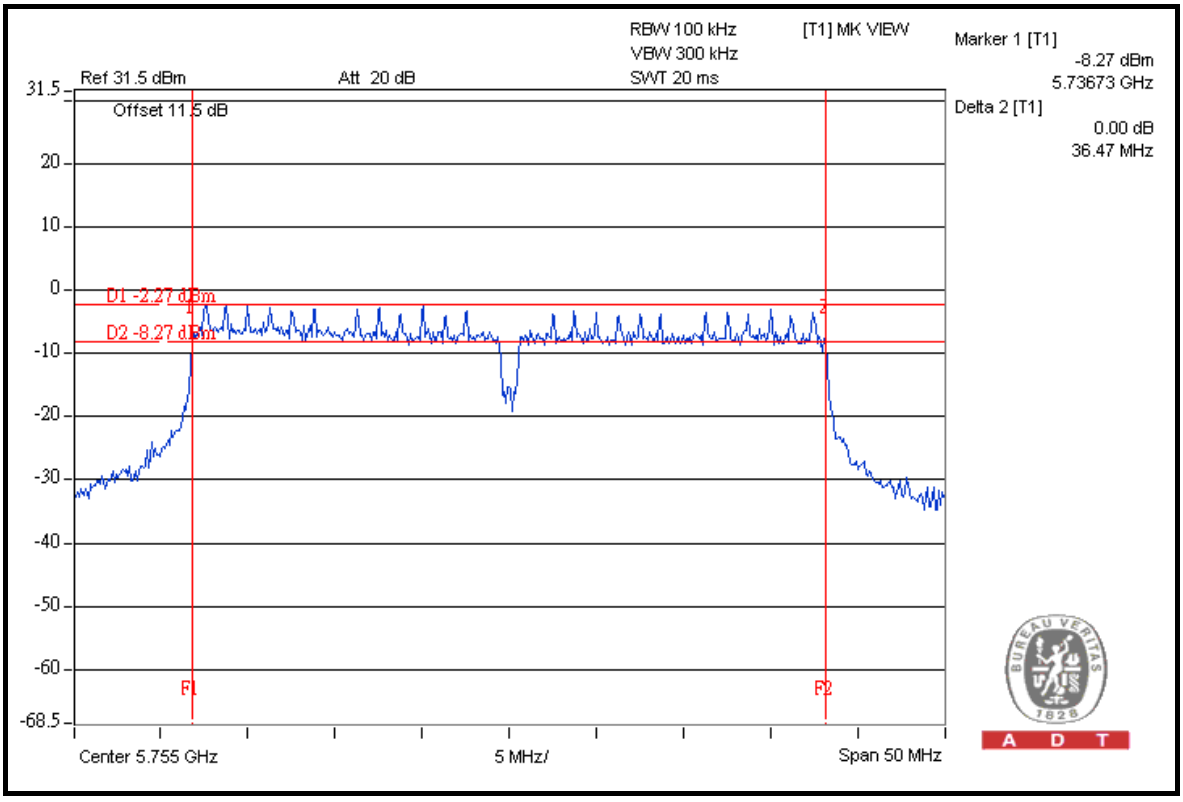
FOR CHAIN 2: CH 157



802.11n (40MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
151	5755	35.91	36.12	36.47	0.5	PASS
159	5795	36.47	36.14	36.46	0.5	PASS

FOR CHAIN 2: CH 151

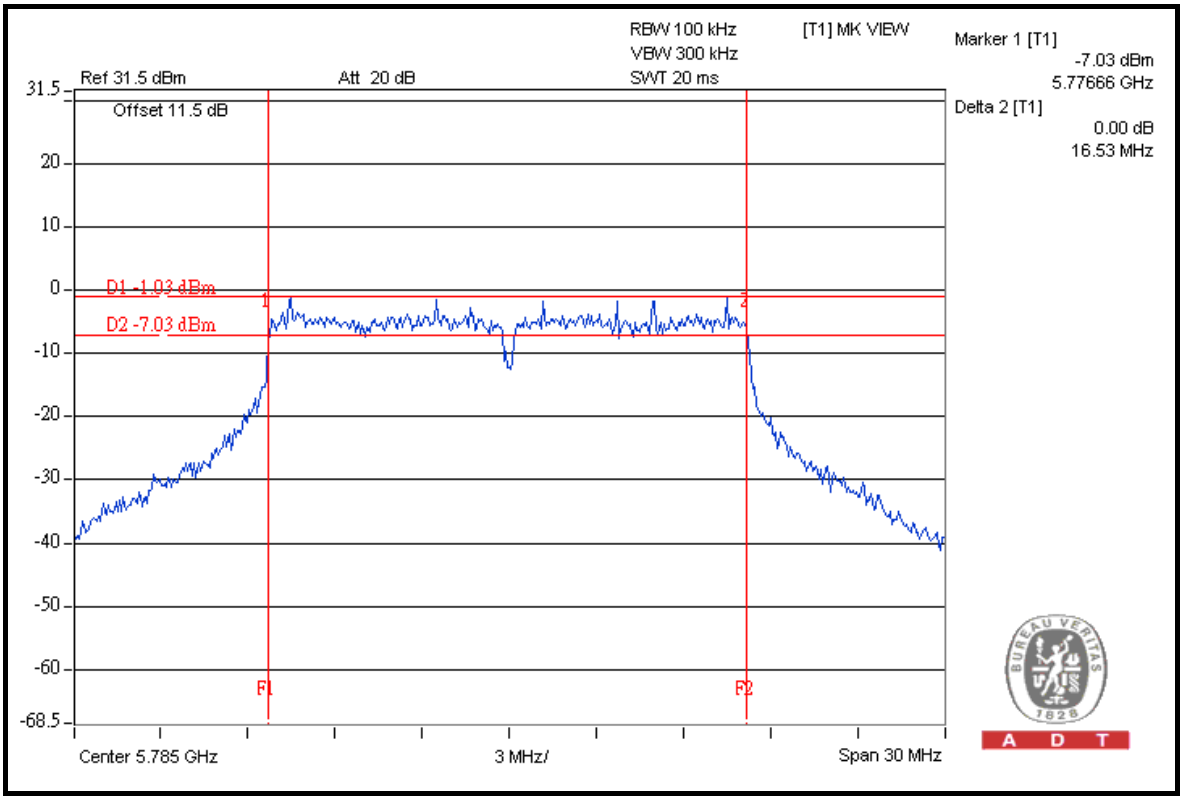


5.3.9 TEST RESULTS (TEST MODE B 1)

802.11a

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
149	5745	16.41	16.35	16.39	0.5	PASS
157	5785	16.42	16.53	16.44	0.5	PASS
165	5825	16.44	16.41	16.44	0.5	PASS

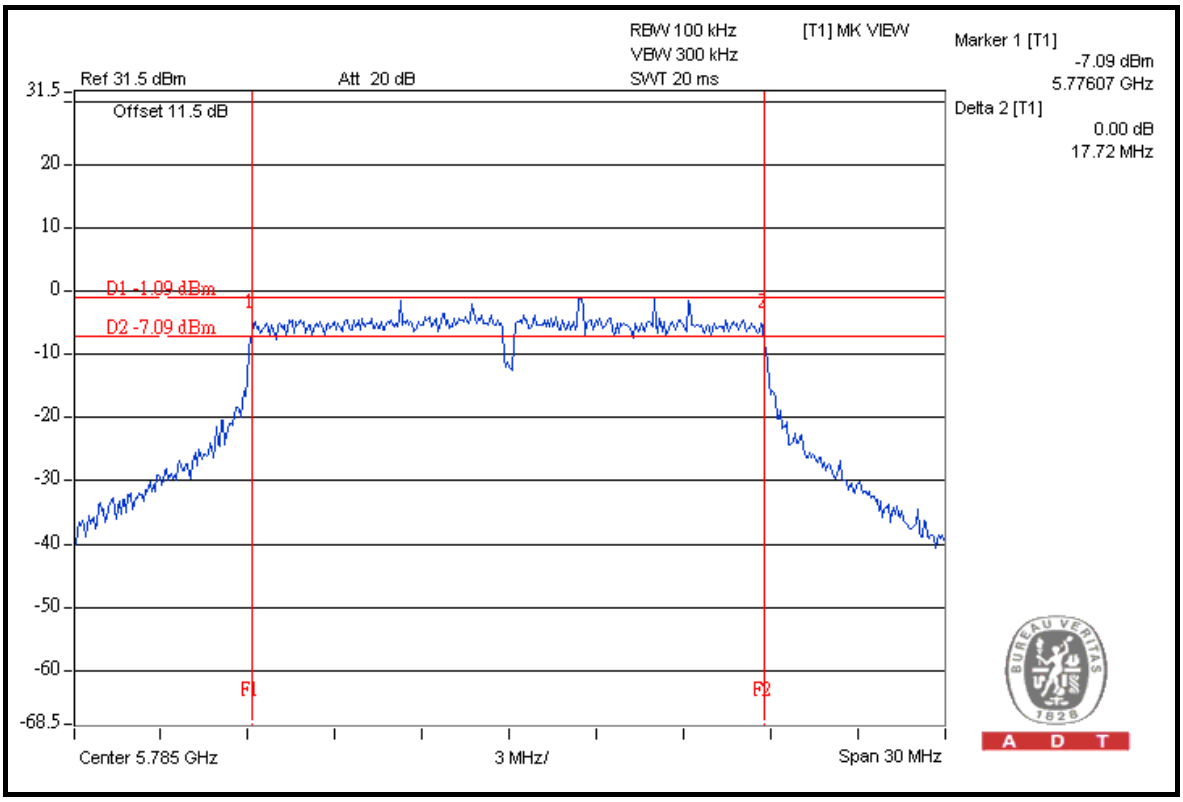
FOR CHAIN 1: CH 157



802.11n (20MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
149	5745	17.67	17.68	17.70	0.5	PASS
157	5785	17.72	17.67	17.69	0.5	PASS
165	5825	17.63	17.65	17.63	0.5	PASS

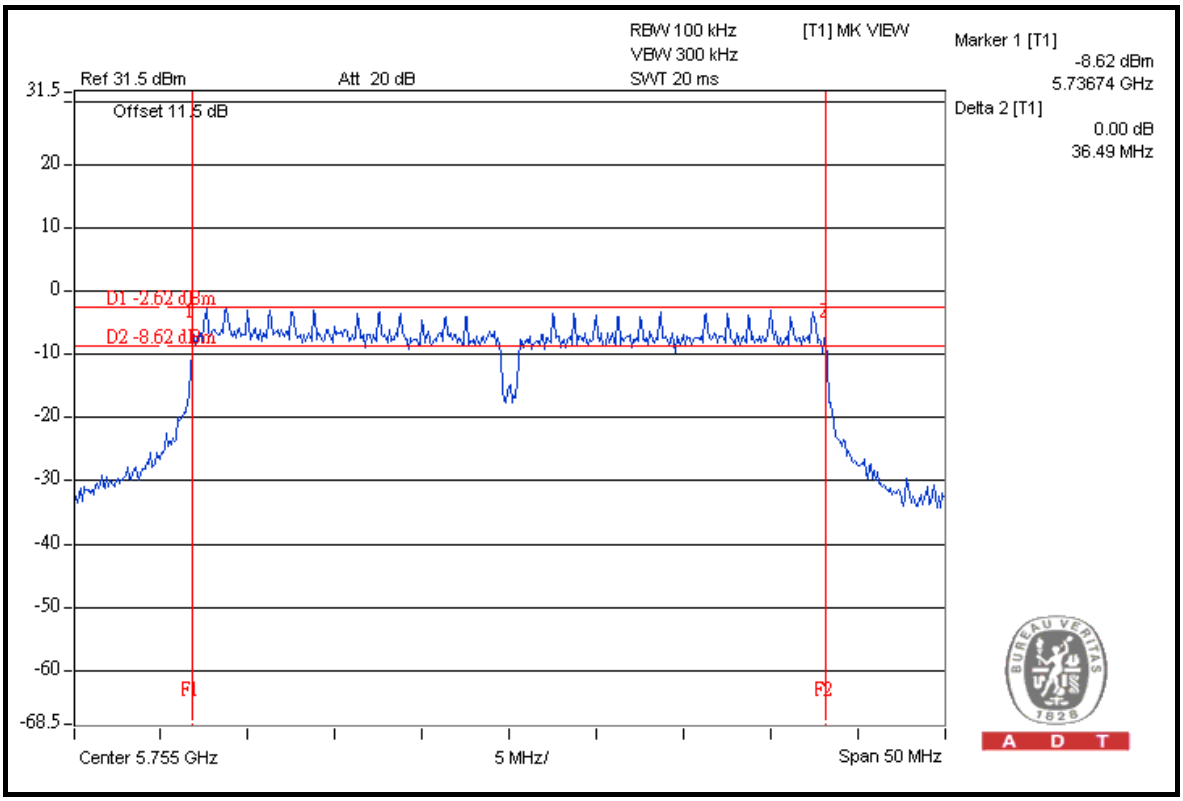
FOR CHAIN 0: CH 157



802.11n (40MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
151	5755	36.44	36.11	36.49	0.5	PASS
159	5795	36.45	36.45	36.48	0.5	PASS

FOR CHAIN 2: CH 151

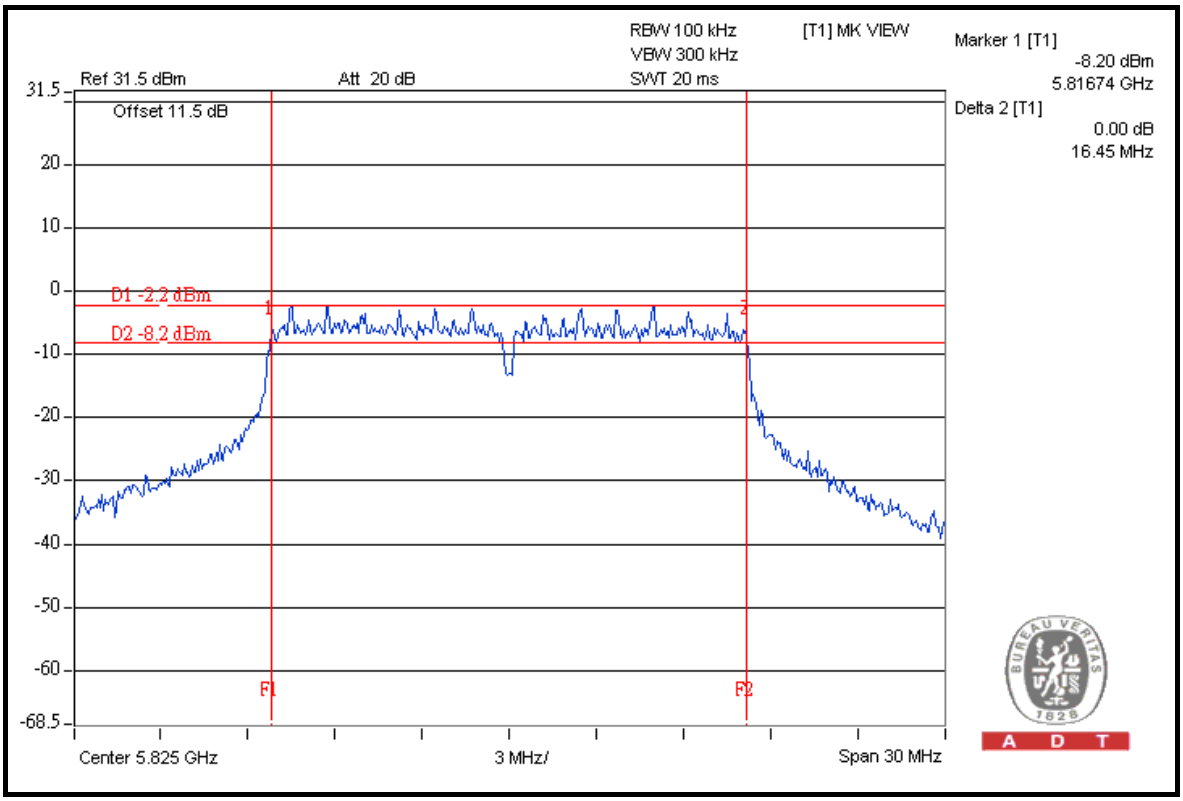


5.3.10 TEST RESULTS (TEST MODE B 2)

802.11a

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
149	5745	16.40	16.40	16.39	0.5	PASS
157	5785	16.44	16.42	16.42	0.5	PASS
165	5825	16.44	16.44	16.45	0.5	PASS

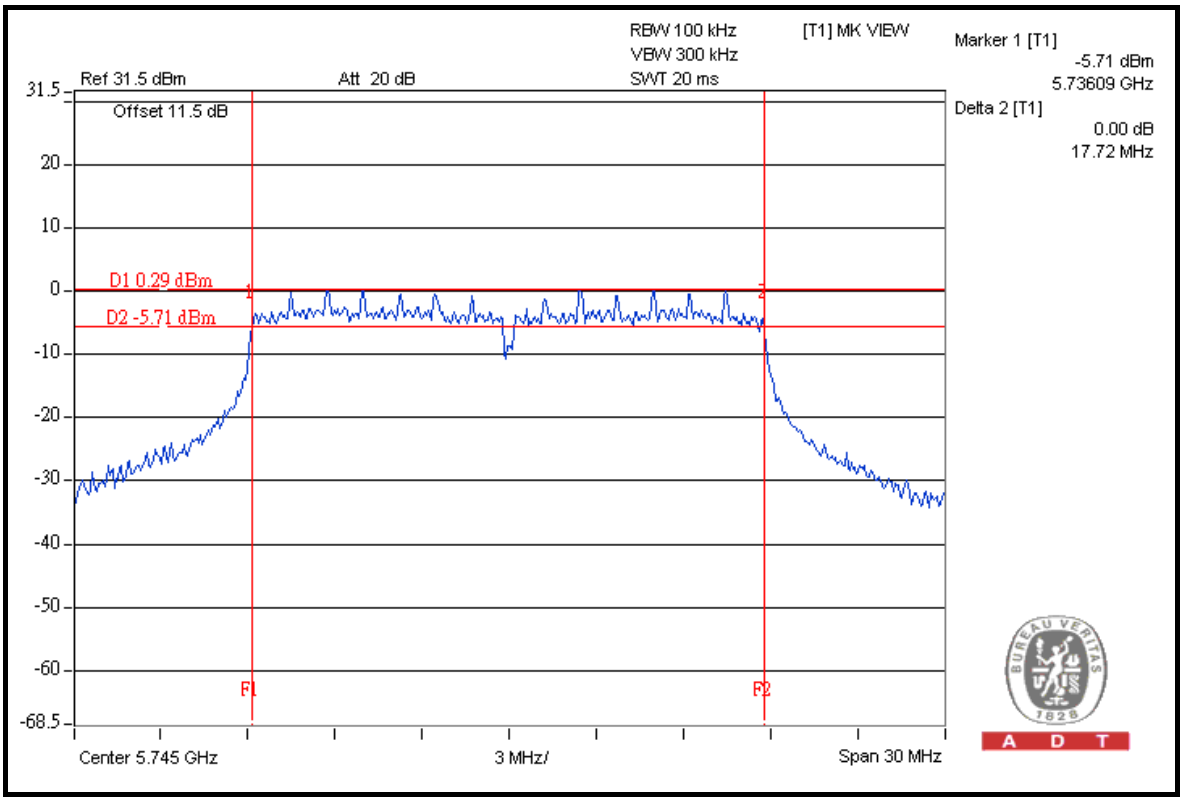
FOR CHAIN 2: CH 165



802.11n (20MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
149	5745	17.68	17.70	17.72	0.5	PASS
157	5785	17.70	17.70	17.68	0.5	PASS
165	5825	17.64	17.65	17.63	0.5	PASS

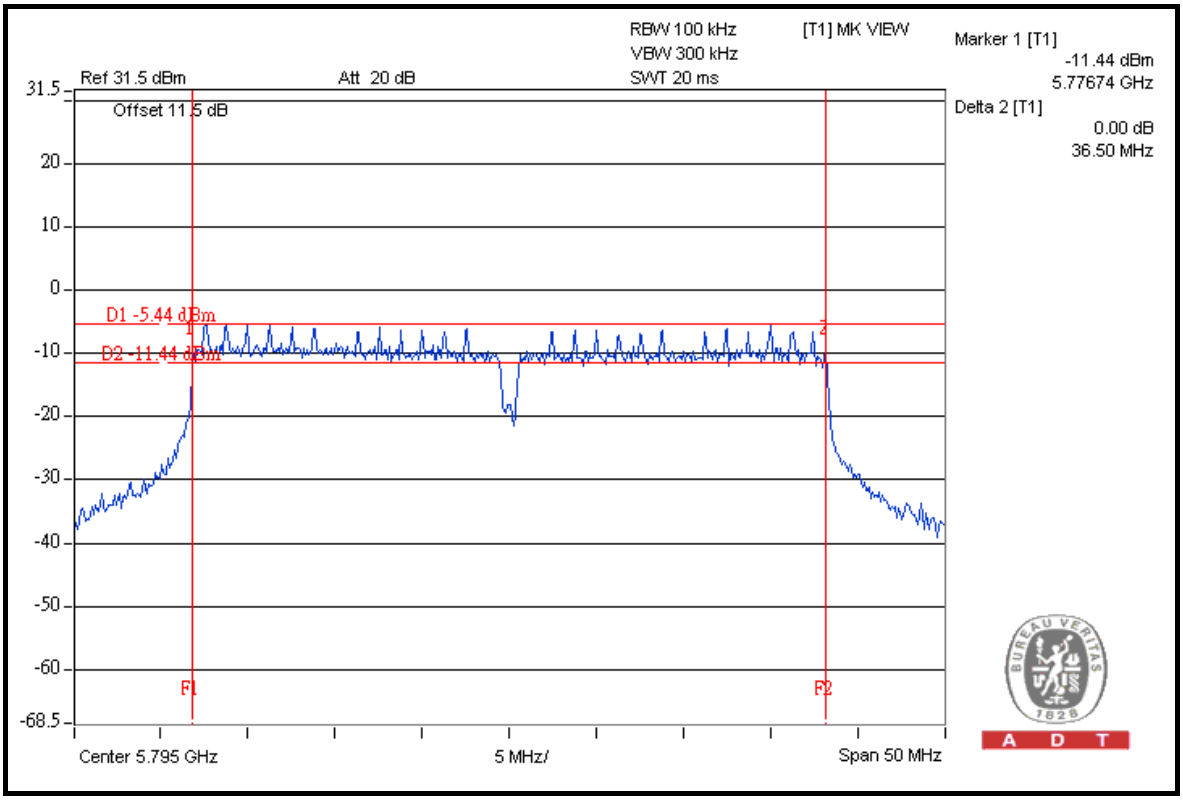
FOR CHAIN 2: CH 149



802.11n (40MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
151	5755	36.47	36.48	36.49	0.5	PASS
159	5795	36.50	36.46	36.49	0.5	PASS

FOR CHAIN 0: CH 159

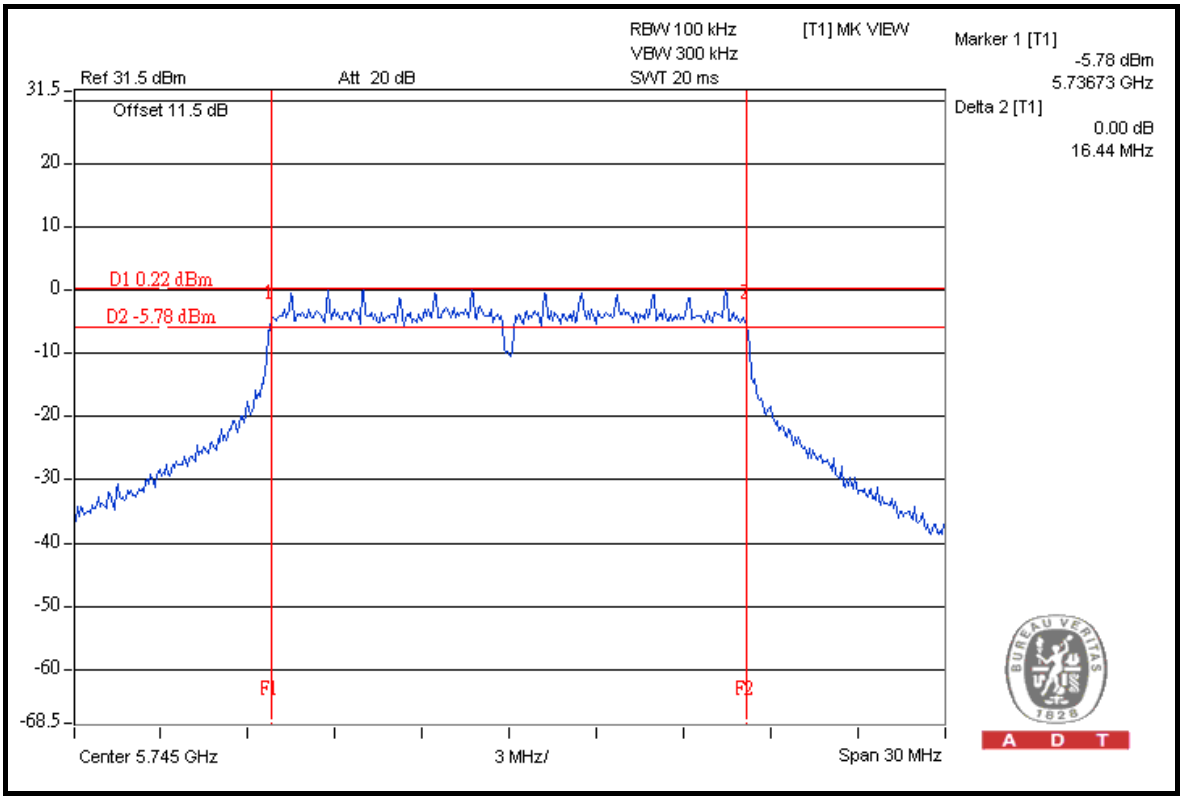


5.3.11 TEST RESULTS (TEST MODE C 1)

802.11a

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
149	5745	16.44	16.41	16.40	0.5	PASS
157	5785	16.42	16.39	16.42	0.5	PASS
165	5825	16.39	16.44	16.44	0.5	PASS

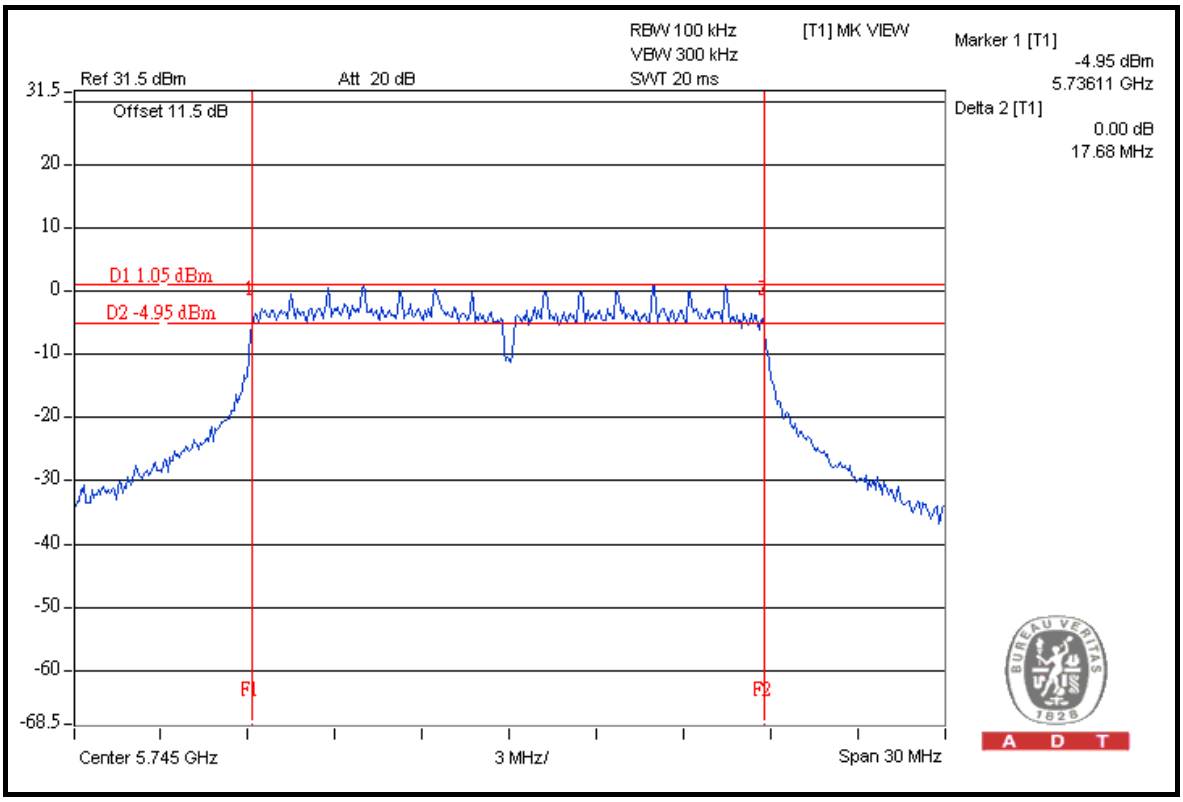
FOR CHAIN 0: CH 149



802.11n (20MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
149	5745	17.63	17.63	17.68	0.5	PASS
157	5785	17.65	17.66	17.67	0.5	PASS
165	5825	17.59	17.60	17.65	0.5	PASS

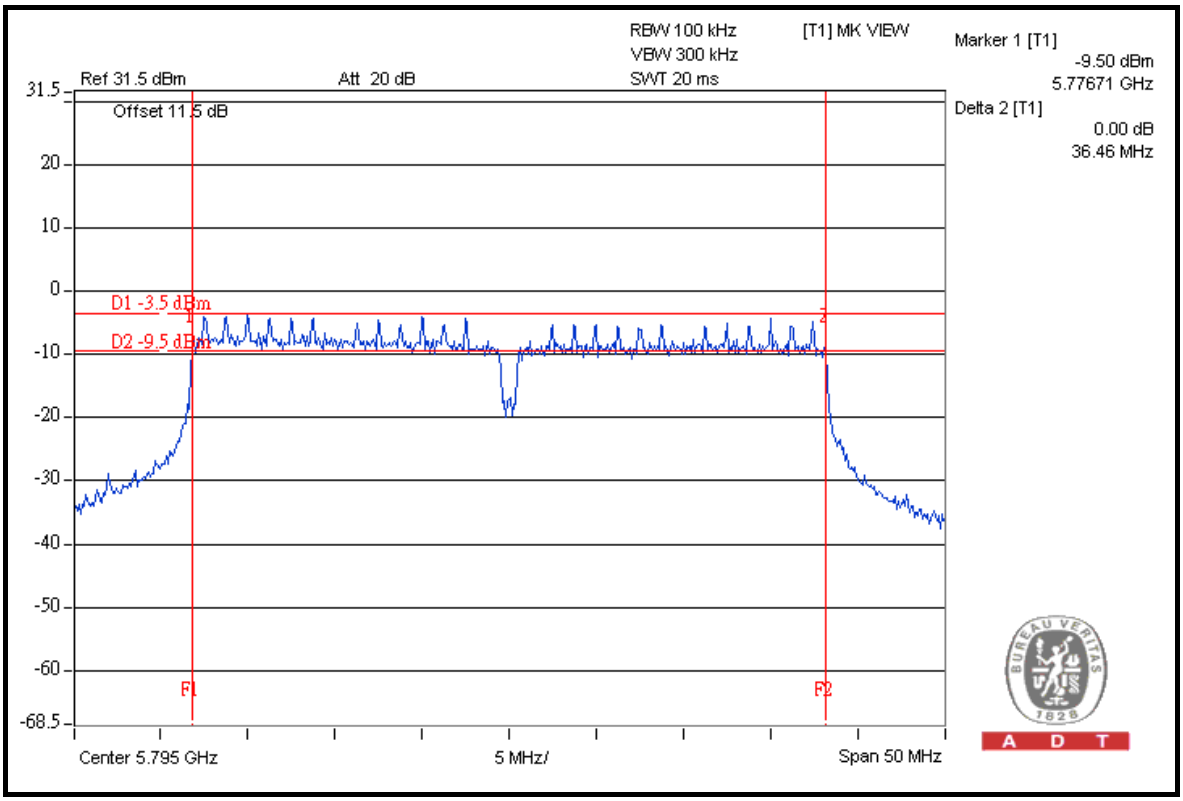
FOR CHAIN 2: CH 149



802.11n (40MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
151	5755	36.45	36.18	36.43	0.5	PASS
159	5795	36.21	36.43	36.46	0.5	PASS

FOR CHAIN 2: CH 159

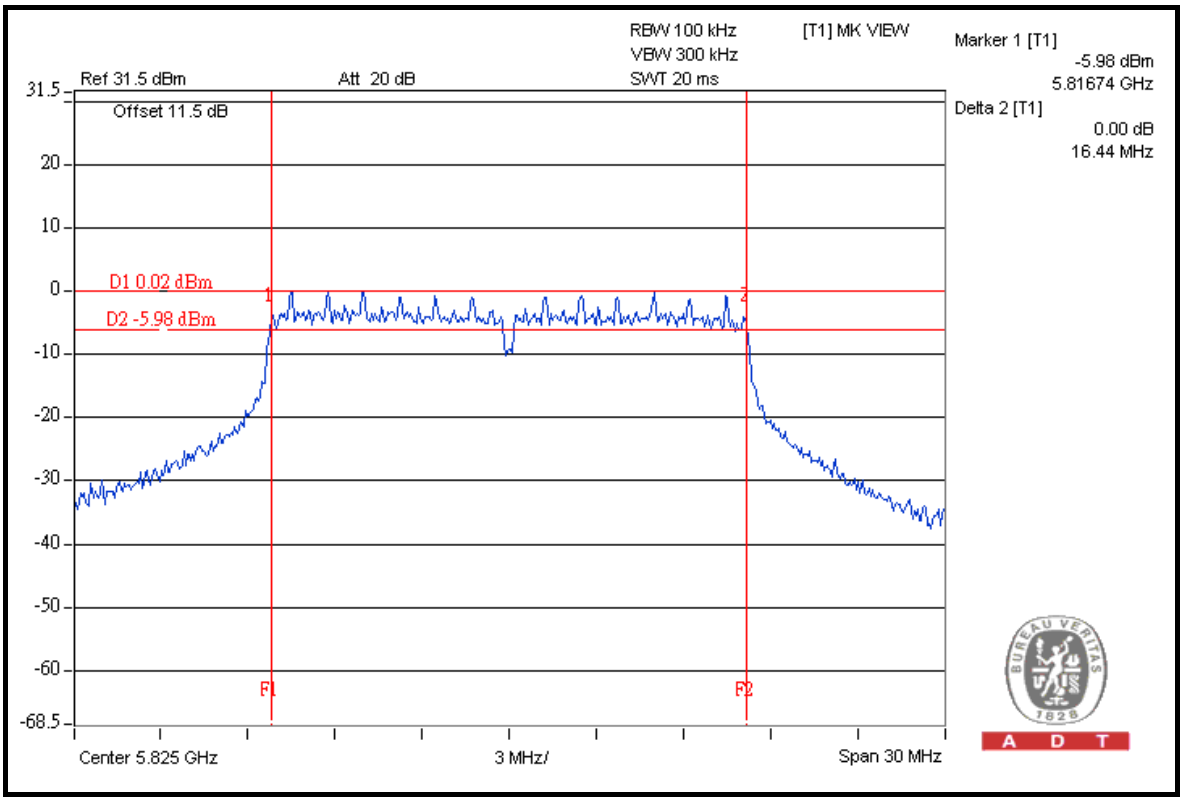


5.3.12 TEST RESULTS (TEST MODE C 2)

802.11a

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
149	5745	16.38	16.39	16.39	0.5	PASS
157	5785	16.42	16.41	16.42	0.5	PASS
165	5825	16.43	16.44	16.44	0.5	PASS

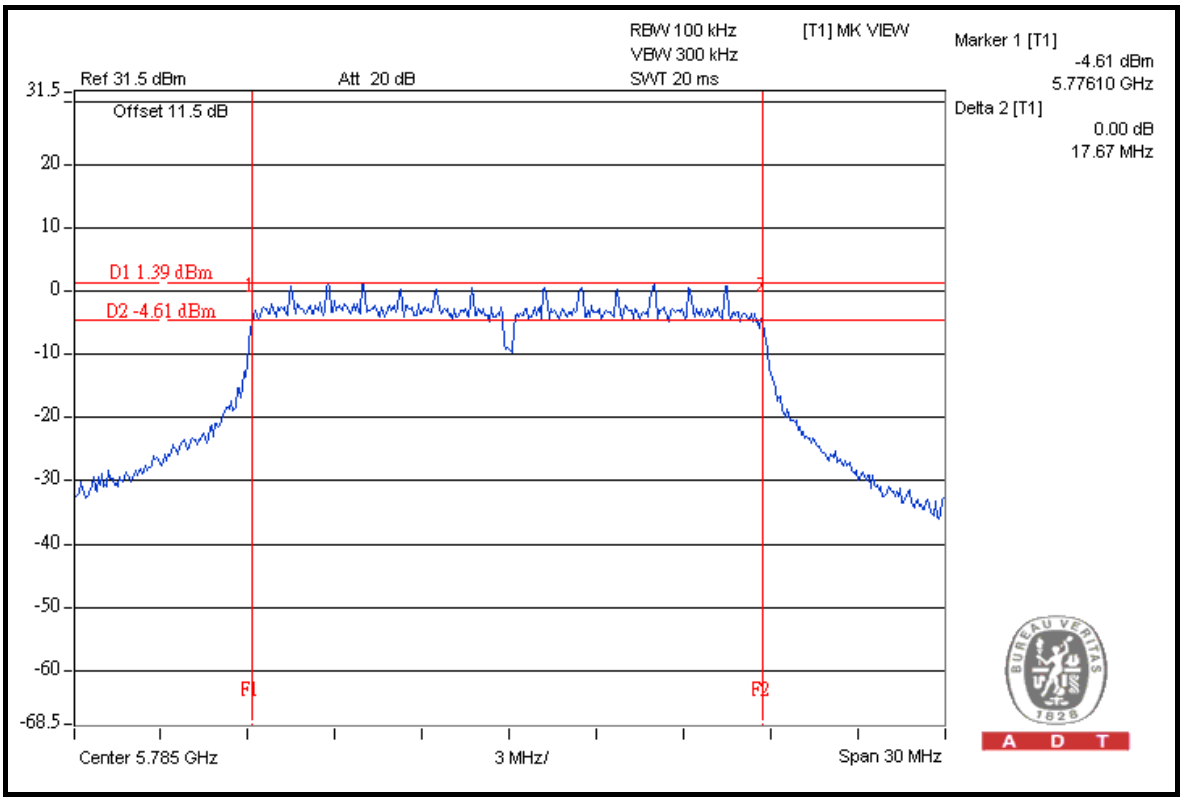
FOR CHAIN 2: CH 165



802.11n (20MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
149	5745	17.66	17.63	17.42	0.5	PASS
157	5785	17.66	17.39	17.67	0.5	PASS
165	5825	17.63	17.63	17.61	0.5	PASS

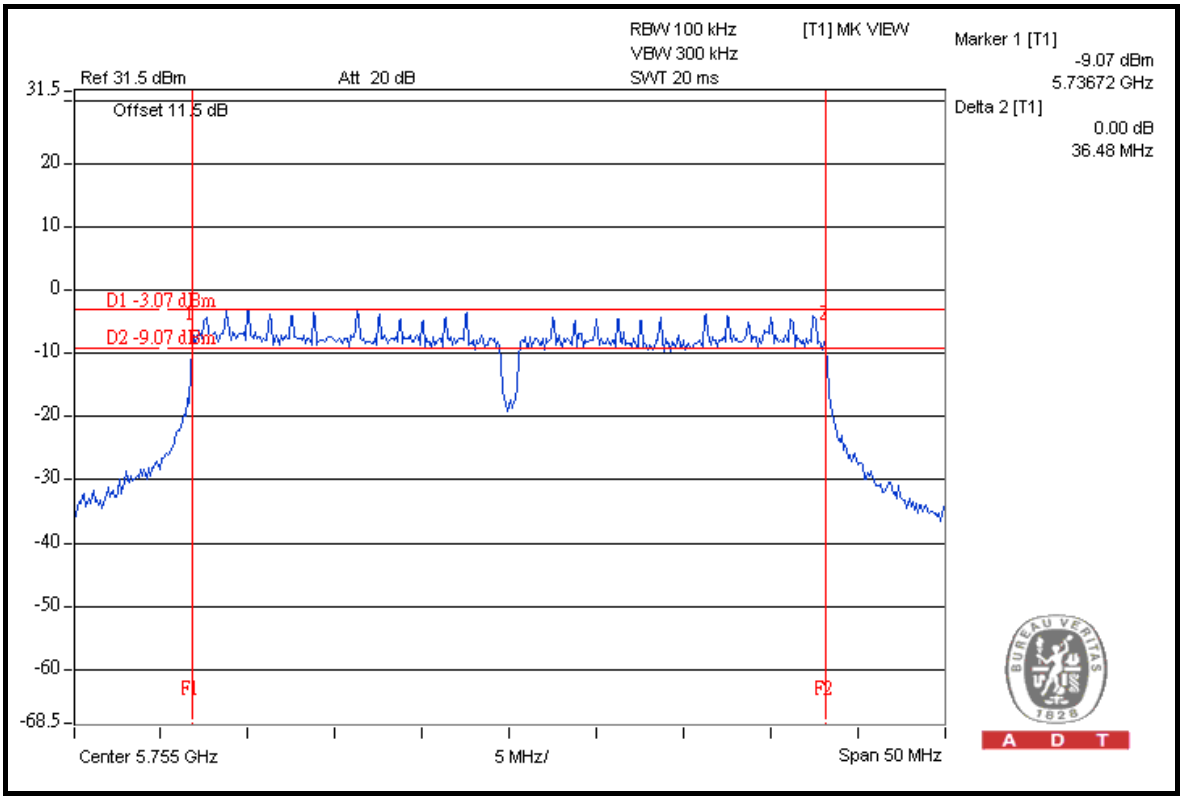
FOR CHAIN 2: CH 157



802.11n (40MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
151	5755	36.48	35.92	36.46	0.5	PASS
159	5795	36.08	36.18	36.46	0.5	PASS

FOR CHAIN 0: CH 151

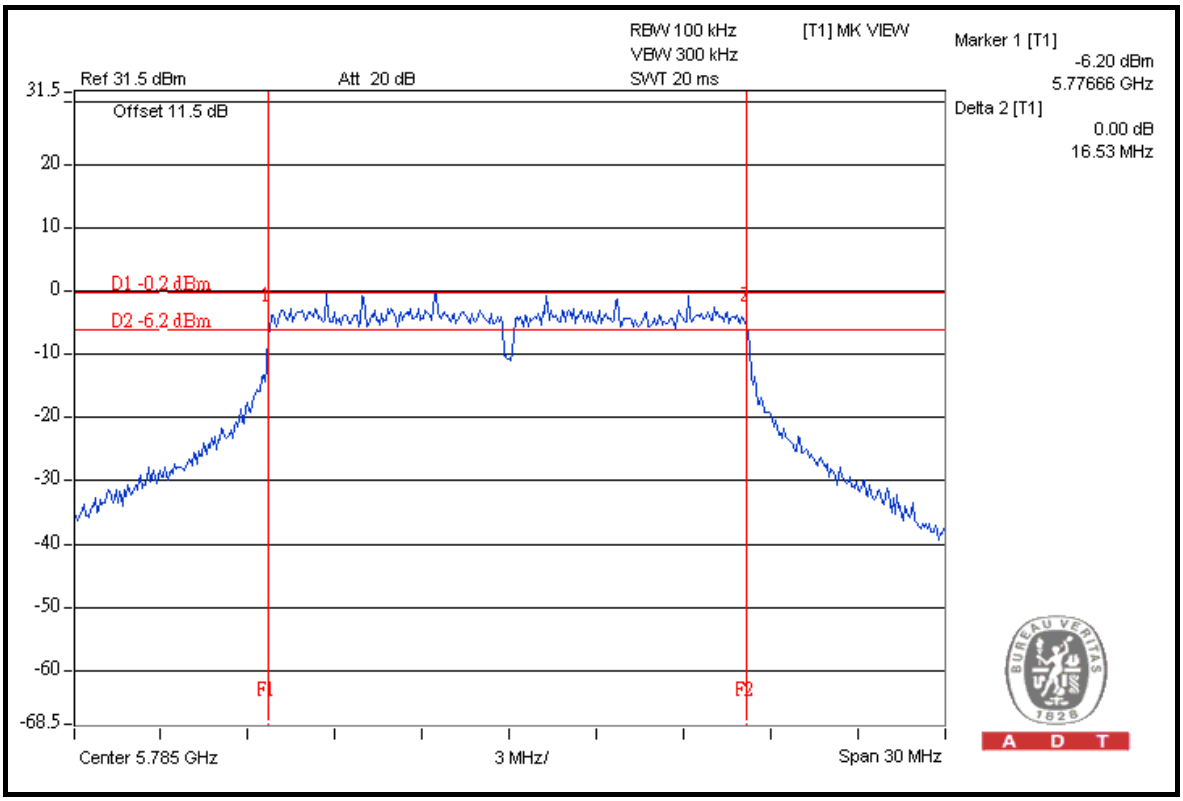


5.3.13 TEST RESULTS (TEST MODE D 1)

802.11a

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
149	5745	16.39	16.36	16.38	0.5	PASS
157	5785	16.33	16.43	16.53	0.5	PASS
165	5825	16.46	16.43	16.40	0.5	PASS

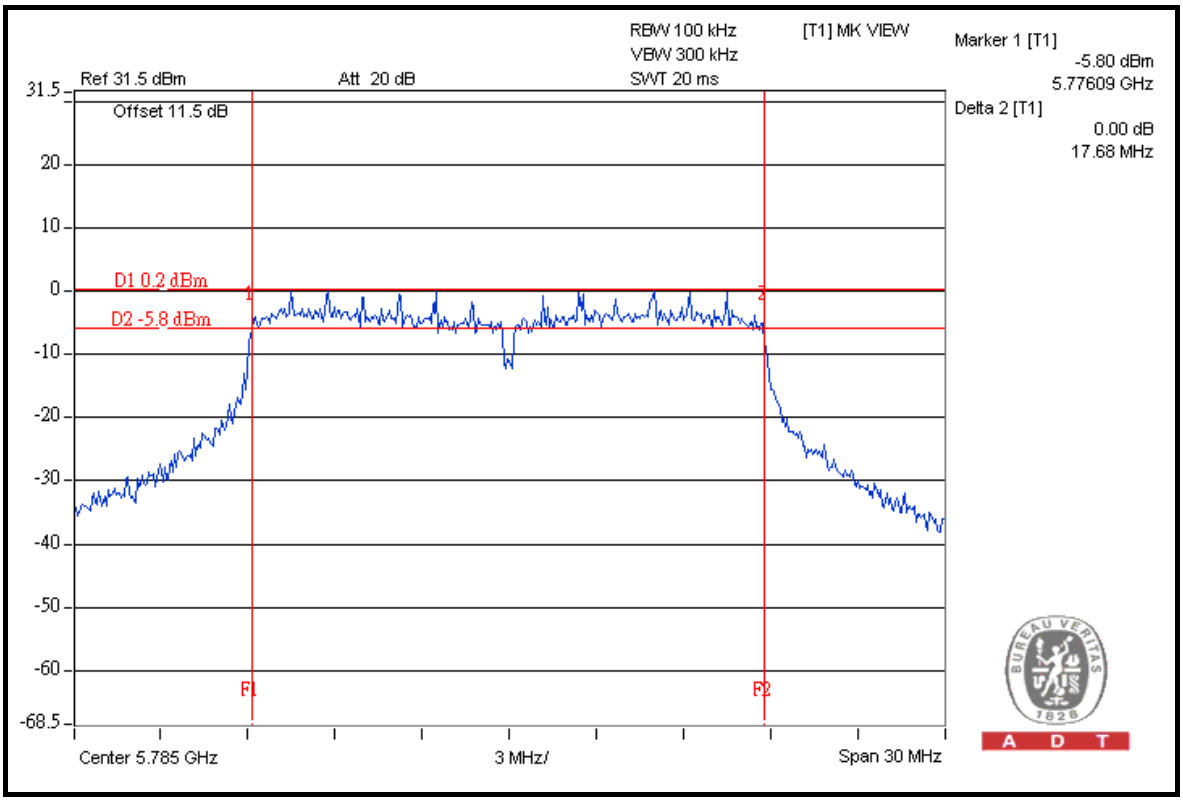
FOR CHAIN 2: CH 157



802.11n (20MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
149	5745	17.62	17.67	17.68	0.5	PASS
157	5785	17.66	17.68	17.37	0.5	PASS
165	5825	17.58	17.39	17.58	0.5	PASS

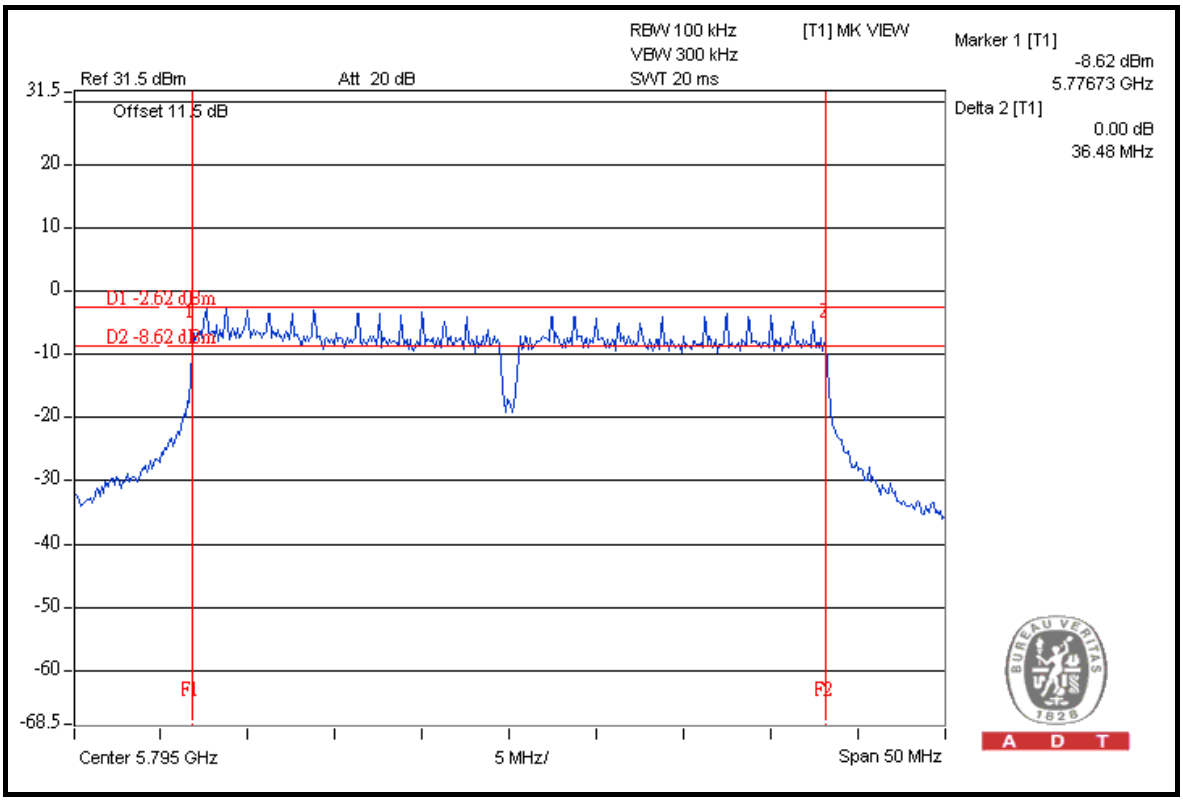
FOR CHAIN 1: CH 157



802.11n (40MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
151	5755	36.43	35.62	36.39	0.5	PASS
159	5795	36.43	36.48	36.46	0.5	PASS

FOR CHAIN 1: CH 159

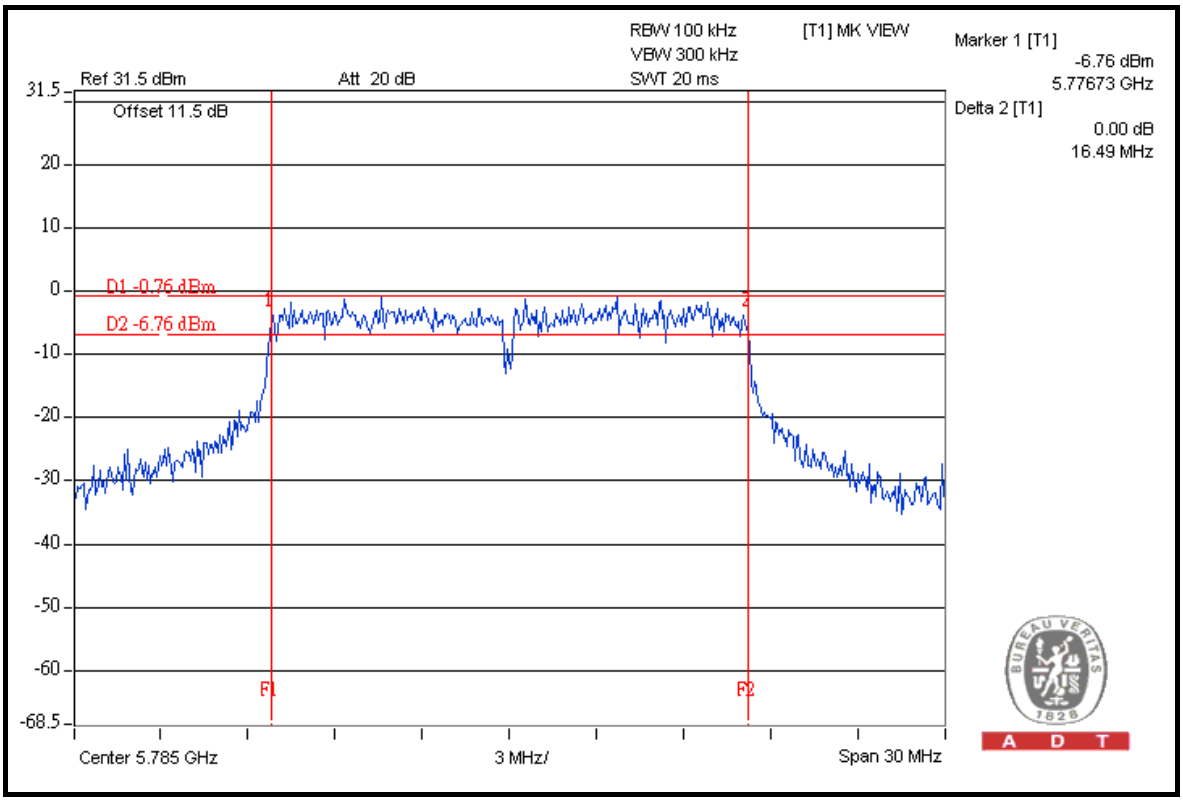


5.3.14 TEST RESULTS (TEST MODE D 2)

802.11a

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
149	5745	16.37	16.42	16.40	0.5	PASS
157	5785	16.43	16.49	16.41	0.5	PASS
165	5825	16.47	16.45	16.45	0.5	PASS

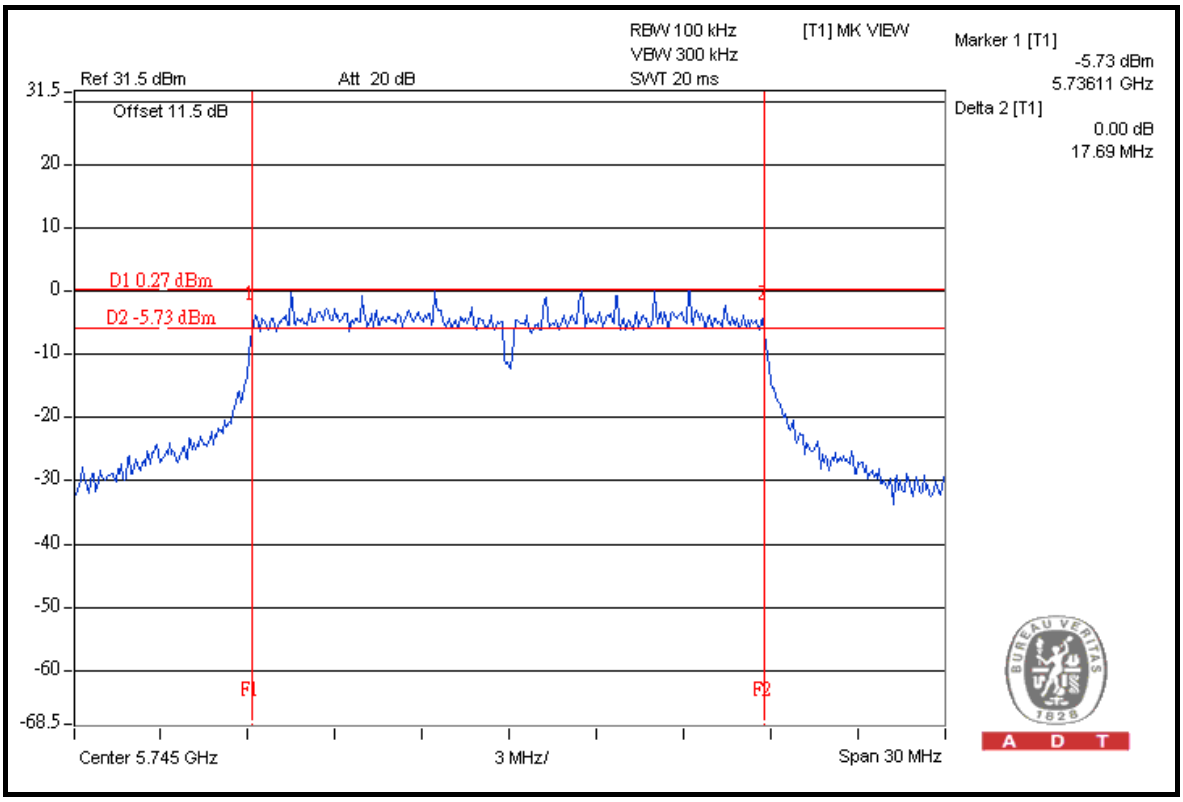
FOR CHAIN 1: CH 157



802.11n (20MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
149	5745	17.66	17.65	17.69	0.5	PASS
157	5785	17.64	17.67	17.68	0.5	PASS
165	5825	17.64	17.64	17.63	0.5	PASS

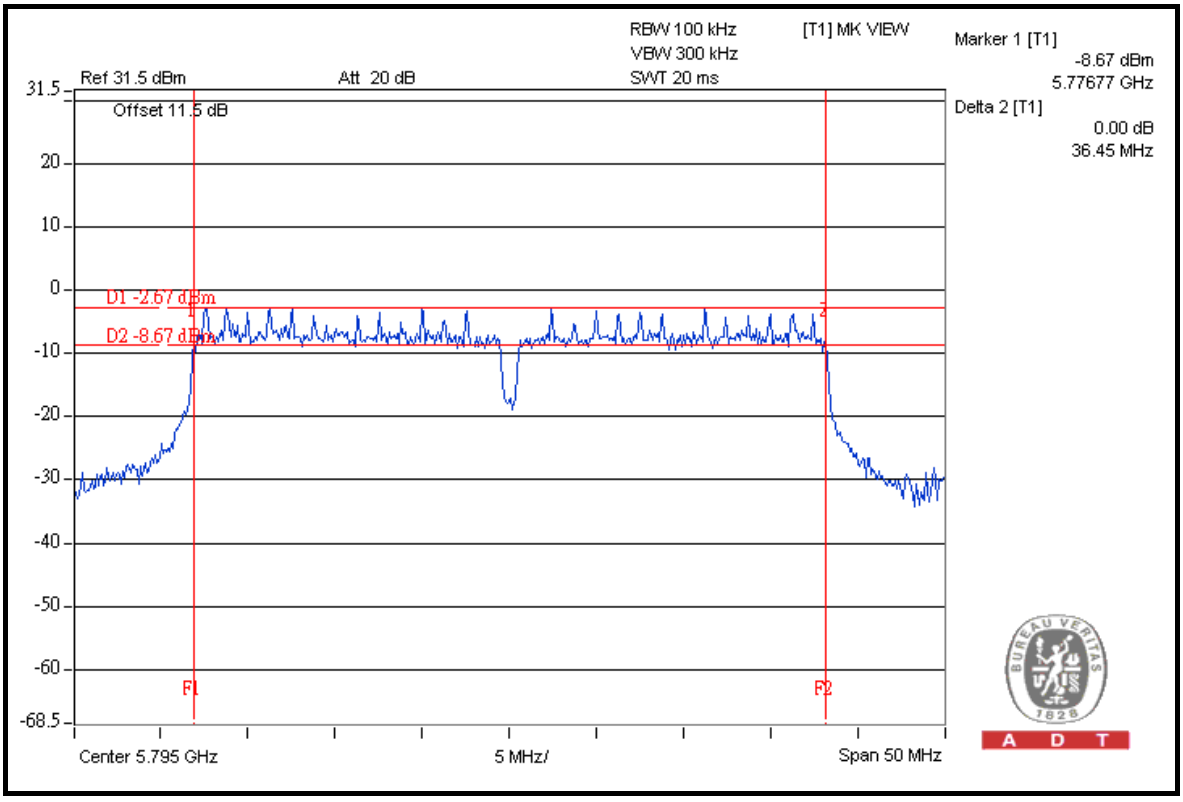
FOR CHAIN 2: CH 149



802.11n (40MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
151	5755	36.44	35.80	36.41	0.5	PASS
159	5795	35.18	36.43	36.45	0.5	PASS

FOR CHAIN 2: CH 159

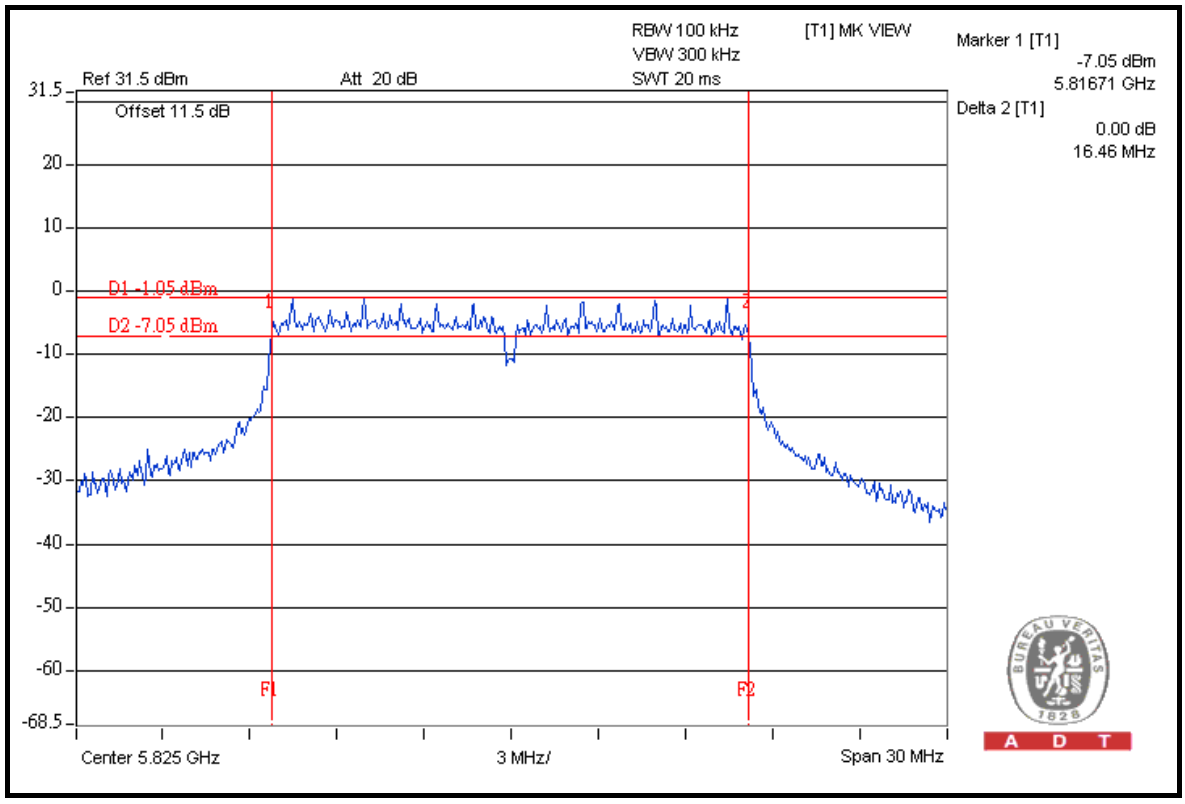


5.3.15 TEST RESULTS (TEST MODE E 1)

802.11a

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
149	5745	16.41	16.41	16.42	0.5	PASS
157	5785	16.45	16.44	16.44	0.5	PASS
165	5825	16.42	16.44	16.46	0.5	PASS

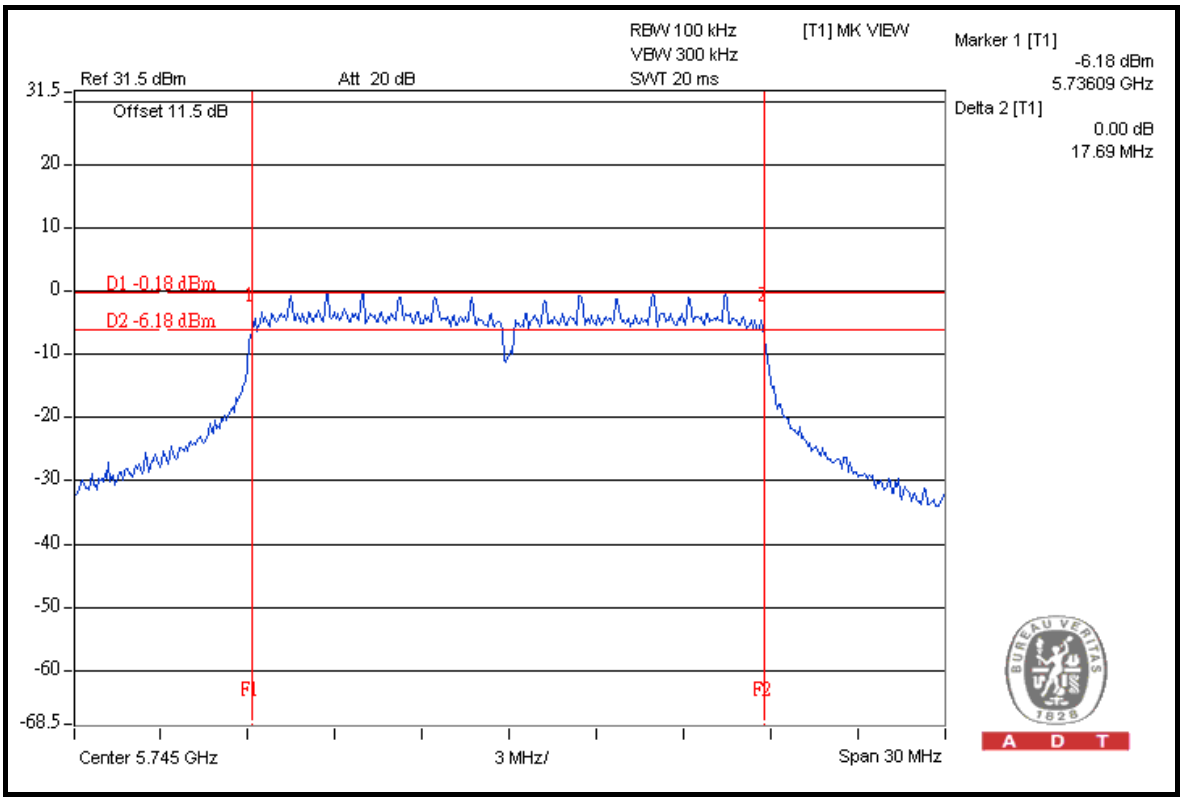
FOR CHAIN 2: CH 165



802.11n (20MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
149	5745	17.67	17.69	17.68	0.5	PASS
157	5785	17.68	17.68	17.63	0.5	PASS
165	5825	17.64	17.64	17.66	0.5	PASS

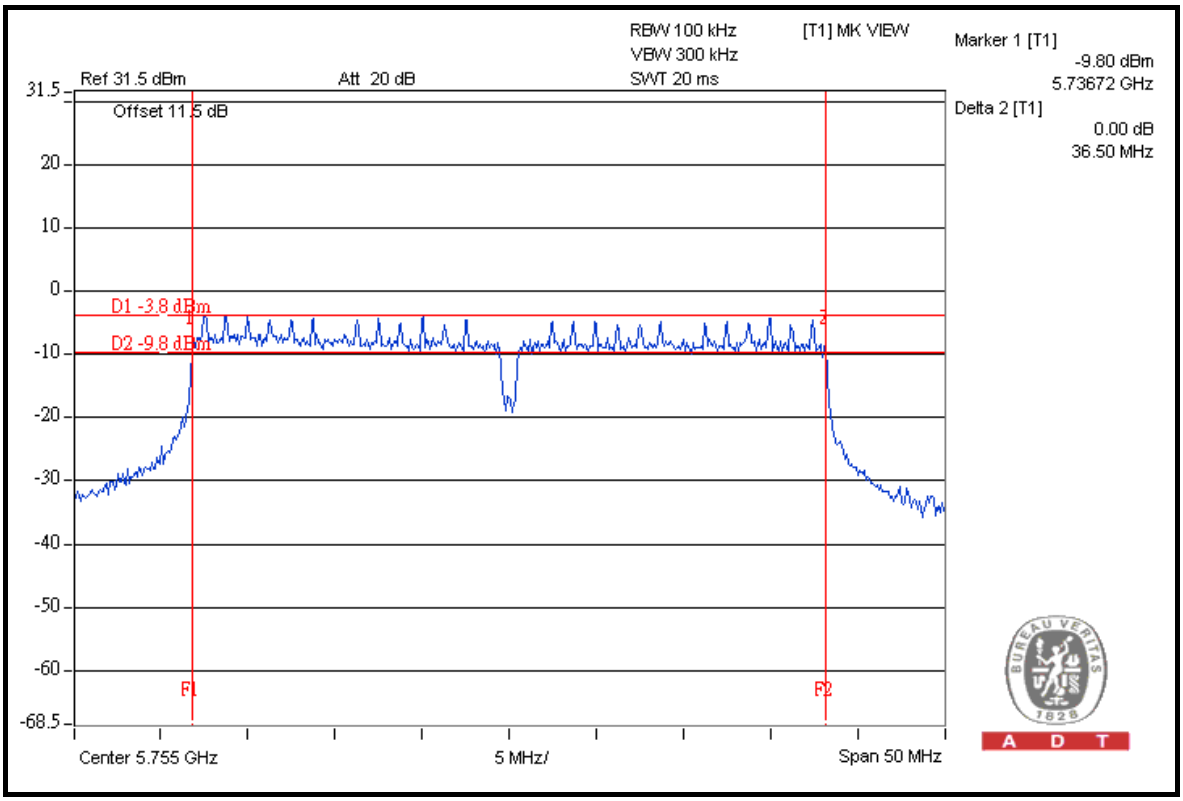
FOR CHAIN 1: CH 149



802.11n (40MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
151	5755	36.48	36.50	36.47	0.5	PASS
159	5795	36.46	36.36	36.48	0.5	PASS

FOR CHAIN 1: CH 151

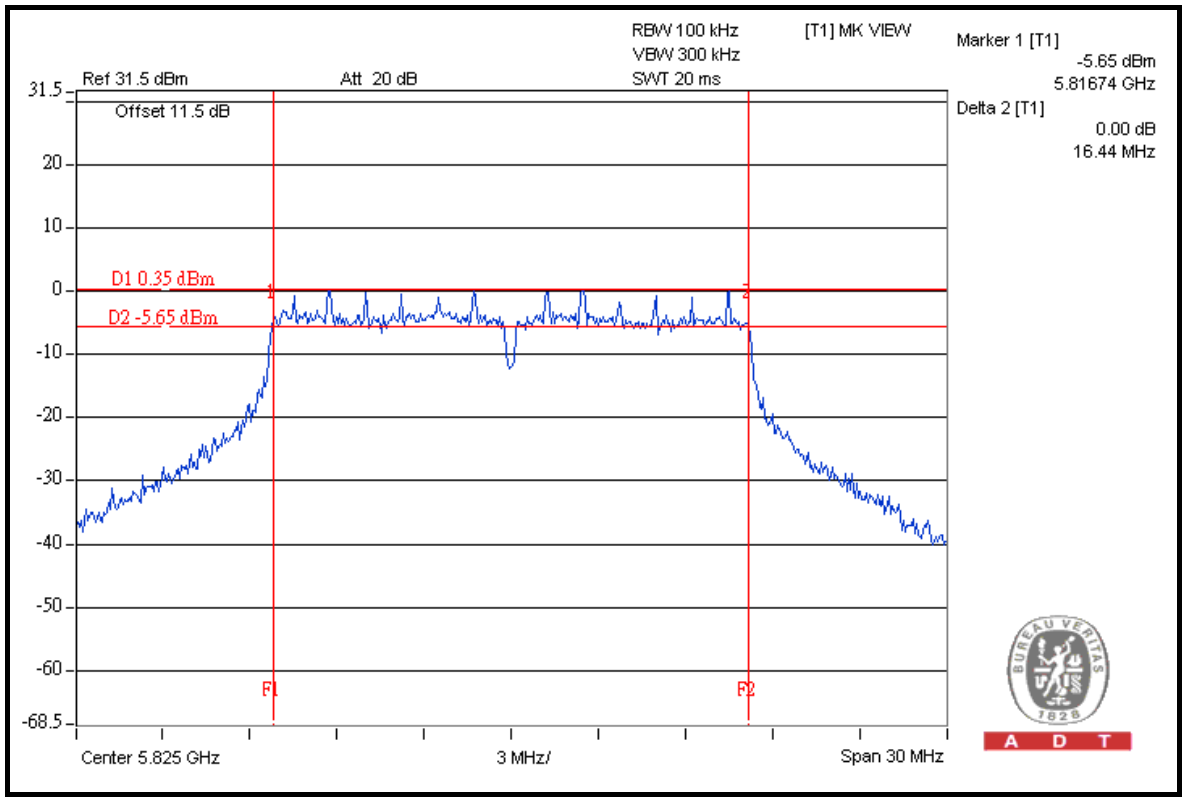


5.3.16 TEST RESULTS (TEST MODE E 2)

802.11a

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
149	5745	16.38	16.38	16.38	0.5	PASS
157	5785	16.39	16.00	16.42	0.5	PASS
165	5825	16.35	16.36	16.44	0.5	PASS

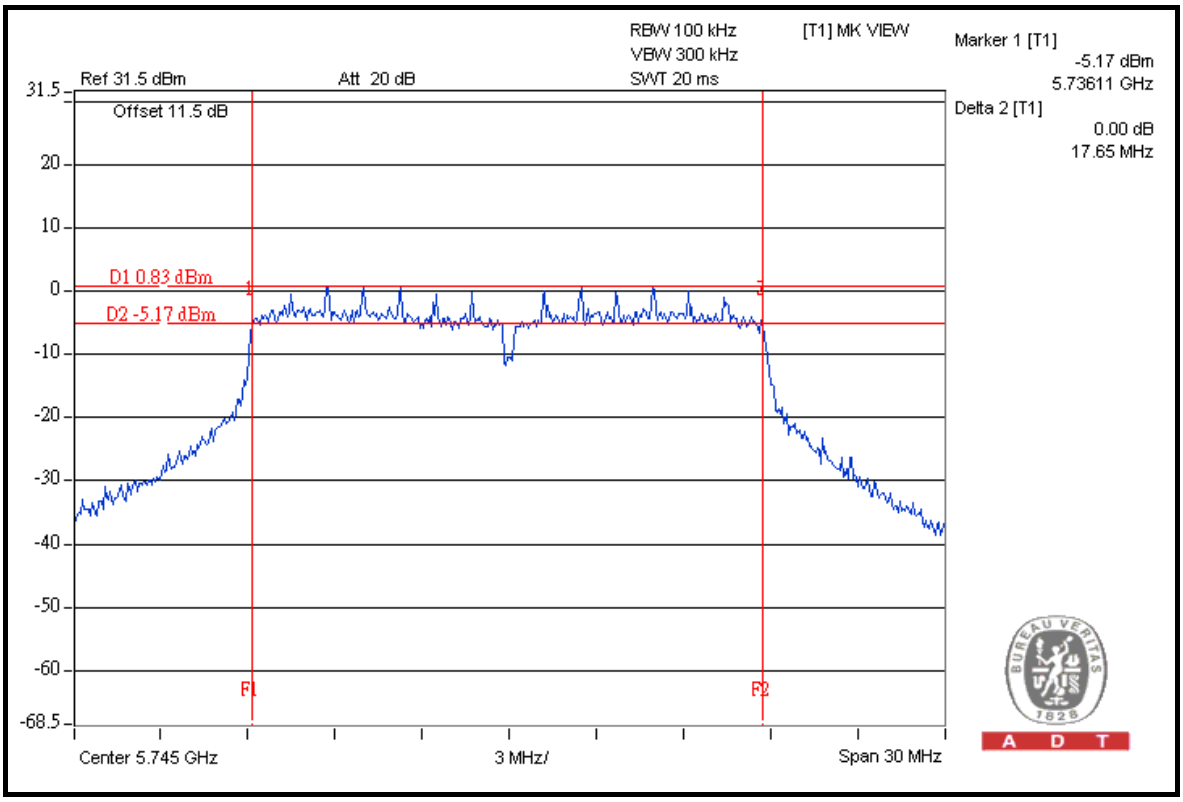
FOR CHAIN 2: CH 165



802.11n (20MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
149	5745	17.38	17.65	17.60	0.5	PASS
157	5785	17.34	17.64	17.63	0.5	PASS
165	5825	17.34	17.33	17.22	0.5	PASS

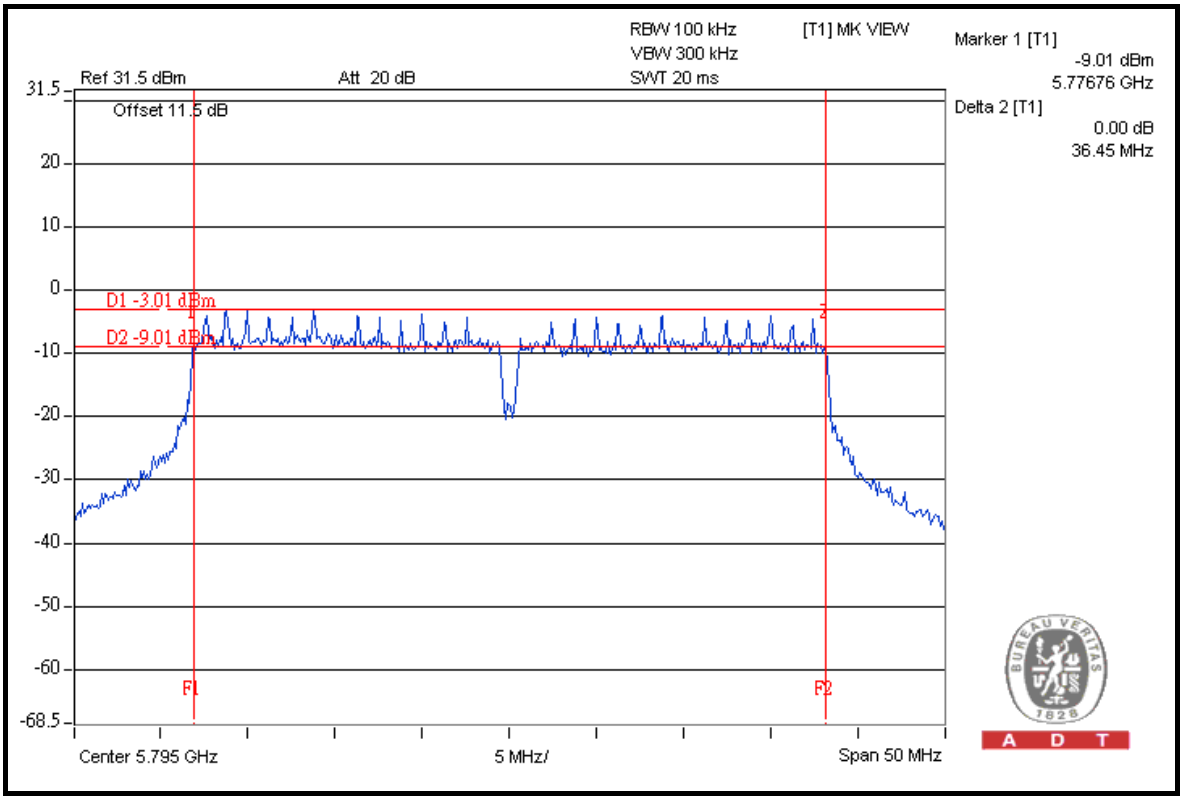
FOR CHAIN 1: CH 149



802.11n (40MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)			MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2		
151	5755	36.37	35.77	35.87	0.5	PASS
159	5795	36.45	36.16	35.85	0.5	PASS

FOR CHAIN 0: CH 159



5.4 MAXIMUM OUTPUT POWER

5.4.1 LIMITS OF MAXIMUM OUTPUT POWER MEASUREMENT

The Maximum Output Power Measurement is 30dBm.

5.4.2 INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
High Speed Peak Power Meter	ML2495A	0842014	Apr. 21, 2010	Apr. 20, 2011
Power Sensor	MA2411B	0738404	Apr. 21, 2010	Apr. 20, 2011

NOTE:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. Measurement Bandwidth of ML2495A is 65MHz greater than 6dB bandwidth of emission.

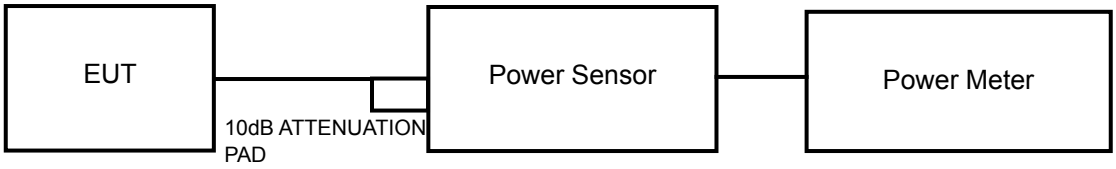
5.4.3 TEST PROCEDURE

A power sensor was used on the output port of the EUT. A power meter was used to read the response of the power sensor. Record the power level.

5.4.4 DEVIATION FROM TEST STANDARD

No deviation.

5.4.5 TEST SETUP



5.4.6 EUT OPERATING CONDITIONS

Same as Item 5.3.6

5.4.7 TEST RESULTS (TEST MODE A 1)

802.11a

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
149	5745	19.0	19.3	19.5	253.7	24.0	24.2	PASS
157	5785	19.1	19.2	19.2	247.6	23.9	24.2	PASS
165	5825	18.2	18.3	18.7	207.8	23.2	24.2	PASS

NOTE:
1. Antenna 1 (Model: 5184-6684) is not used for point to point operation.
2. Directional gain =7.02dBi + 10log(3)=11.79dBi > 6dBi , so the conducted power limit shall be reduced to 30-(11.79-6)= 24.2dBm

802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
149	5745	19.1	19.2	19.4	251.6	24.0	24.2	PASS
157	5785	19.0	19.1	19.3	245.8	23.9	24.2	PASS
165	5825	18.1	18.4	18.5	204.5	23.1	24.2	PASS

NOTE:
1. Antenna 1 (Model: 5184-6684) is not used for point to point operation.
2. Directional gain =7.02dBi + 10log(3)=11.79dBi > 6dBi , so the conducted power limit shall be reduced to 30-(11.79-6)= 24.2dBm

802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
151	5755	19.2	19.1	19.5	253.6	24.0	24.2	PASS
159	5795	19.1	19.0	19.4	247.8	23.9	24.2	PASS

NOTE:
1. Antenna 1 (Model: 5184-6684) is not used for point to point operation.
2. Directional gain =7.02dBi + 10log(3)=11.79dBi > 6dBi , so the conducted power limit shall be reduced to 30-(11.79-6)= 24.2dBm

5.4.8 TEST RESULTS (TEST MODE A 2)

802.11a

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
149	5745	19.1	19.3	19.5	255.5	24.1	24.2	PASS
157	5785	19.0	19.4	19.5	255.7	24.1	24.2	PASS
165	5825	18.3	18.5	18.8	214.3	23.3	24.2	PASS

NOTE:
1. Antenna 1 (Model: 5184-6684) is not used for point to point operation.
2. Directional gain =7.02dBi + 10log(3)=11.79dBi > 6dBi , so the conducted power limit shall be reduced to 30-(11.79-6)= 24.2dBm

802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
149	5745	19.6	20.0	19.8	**286.7**	24.6	29.0	PASS
157	5785	19.5	19.8	19.7	277.9	24.4	29.0	PASS
165	5825	18.2	18.5	18.4	206.0	23.1	29.0	PASS

NOTE:
1. Antenna 1 (Model: 5184-6684) is not used for point to point operation.
2. According to 15.247 (b) (4), the maximum antenna gain 7.02dBi is higher than 6dBi, so the limit of peak power shall be reduced by 1.02dB.

802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
151	5755	18.7	19.0	19.1	234.8	23.7	30	PASS
159	5795	18.8	19.1	19.0	236.6	23.7	30	PASS

NOTE:
1. Antenna 1 (Model: 5184-6684) is not used for point to point operation.
2. According to 15.247 (b) (4), the maximum antenna gain 7.02dBi is higher than 6dBi, so the limit of peak power shall be reduced by 1.02dB.

5.4.9 TEST RESULTS (TEST MODE B 1)

802.11a

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
149	5745	18.5	18.7	18.9	222.6	23.5	30	PASS
157	5785	18.4	18.8	19.0	224.5	23.5	30	PASS
165	5825	15.9	16.3	16.5	126.2	21.0	30	PASS

NOTE:

1. Antenna 2 (Model: J9169A) is used for point to point operation.
   Directional gain =10.7dBi + 10log(3)=15.47dBi
2. According to 15.247 (c) (1) (ii), reduced output power limit for directional gain higher than 6dBi is not necessary.

802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
149	5745	18.6	18.8	19.0	227.7	23.6	30	PASS
157	5785	18.5	18.8	18.8	222.5	23.5	30	PASS
165	5825	16.0	16.3	16.5	127.1	21.0	30	PASS

NOTE:

1. Antenna 2 (Model: J9169A) is used for point to point operation.
   Directional gain =10.7dBi + 10log(3)=15.47dBi
2. According to 15.247 (c) (1) (ii), reduced output power limit for directional gain higher than 6dBi is not necessary.

802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
151	5755	18.6	18.8	18.9	225.9	23.5	30	PASS
159	5795	16.8	16.9	17.0	147.0	21.7	30	PASS

NOTE:

1. Antenna 2 (Model: J9169A) is used for point to point operation.
   Directional gain =10.7dBi + 10log(3)=15.47dBi
2. According to 15.247 (c) (1) (ii), reduced output power limit for directional gain higher than 6dBi is not necessary.

5.4.10 TEST RESULTS (TEST MODE B 2)

802.11a

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
149	5745	18.7	18.9	19.1	233.0	23.7	30	PASS
157	5785	18.6	19.0	19.2	235.1	23.7	30	PASS
165	5825	16.0	16.5	16.6	130.2	21.2	30	PASS

NOTE:
1. Antenna 2 (Model: J9169A) is used for point to point operation.
   Directional gain =10.7dBi + 10log(3)=15.47dBi
2. According to 15.247 (c) (1) (ii), reduced output power limit for directional gain higher than 6dBi is not necessary.

802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
149	5745	18.8	19.0	19.1	236.6	23.7	30	PASS
157	5785	18.7	18.9	19.0	231.2	23.6	30	PASS
165	5825	16.1	16.5	16.6	131.1	21.2	30	PASS

NOTE:
1. Antenna 2 (Model: J9169A) is used for point to point operation. The antenna gain is 10.7dBi.
2. According to 15.247 (c) (1) (ii), reduced output power limit for directional gain higher than 6dBi is not necessary.

802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
151	5755	18.8	18.9	19.1	234.8	23.7	30	PASS
159	5795	16.9	17.0	17.1	150.4	21.8	30	PASS

NOTE:
1. Antenna 2 (Model: J9169A) is used for point to point operation. The antenna gain is 10.7dBi.
2. According to 15.247 (c) (1) (ii), reduced output power limit for directional gain higher than 6dBi is not necessary.

5.4.11 TEST RESULTS (TEST MODE C 1)

802.11a

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
149	5745	19.0	19.1	19.5	249.8	24.0	30	PASS
157	5785	18.7	18.8	19.3	235.1	23.7	30	PASS
165	5825	17.9	18.3	18.8	205.1	23.1	30	PASS

NOTE:
1. Antenna 3 (Model: J9170A) is used for point to point operation.
   Directional gain =13.5dBi + 10log(3)=18.27dBi
2. According to 15.247 (c) (1) (ii), reduced output power limit for directional gain higher than 6dBi is not necessary.

802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
149	5745	19.0	19.1	19.5	249.8	24.0	30	PASS
157	5785	18.7	18.9	19.5	240.9	23.8	30	PASS
165	5825	17.9	18.8	19.0	217.0	23.4	30	PASS

NOTE:
1. Antenna 3 (Model: J9170A) is used for point to point operation.
   Directional gain =13.5dBi + 10log(3)=18.27dBi
2. According to 15.247 (c) (1) (ii), reduced output power limit for directional gain higher than 6dBi is not necessary.

802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
151	5755	19.1	19.0	19.3	245.8	23.9	30	PASS
159	5795	18.0	18.2	18.5	200.0	23.0	30	PASS

NOTE:
1. Antenna 3 (Model: J9170A) is used for point to point operation.
   Directional gain =13.5dBi + 10log(3)=18.27dBi
2. According to 15.247 (c) (1) (ii), reduced output power limit for directional gain higher than 6dBi is not necessary.

5.4.12 TEST RESULTS (TEST MODE C 2)

802.11a

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
149	5745	19.2	19.2	19.6	257.6	24.1	30	PASS
157	5785	18.8	19.0	19.5	244.4	23.9	30	PASS
165	5825	18.0	18.5	19.0	213.3	23.3	30	PASS

NOTE:
1. Antenna 3 (Model: J9170A) is used for point to point operation.
   Directional gain =13.5dBi + 10log(3)=18.27dBi
2. According to 15.247 (c) (1) (ii), reduced output power limit for directional gain higher than 6dBi is not necessary.

802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
149	5745	19.1	19.2	19.6	255.7	24.1	30	PASS
157	5785	18.8	19.1	19.6	248.3	24.0	30	PASS
165	5825	18.0	18.9	19.1	222.0	23.5	30	PASS

NOTE:
1. Antenna 3 (Model: J9170A) is used for point to point operation. The antenna gain is 13.5dBi.
2. According to 15.247 (c) (1) (ii), reduced output power limit for directional gain higher than 6dBi is not necessary.

802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
151	5755	19.3	19.2	19.5	257.4	24.1	30	PASS
159	5795	18.1	18.3	18.6	204.6	23.1	30	PASS

NOTE:
1. Antenna 3 (Model: J9170A) is used for point to point operation. The antenna gain is 13.5dBi.
2. According to 15.247 (c) (1) (ii), reduced output power limit for directional gain higher than 6dBi is not necessary.

5.4.13 TEST RESULTS (TEST MODE D 1)

802.11a

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
149	5745	19.0	19.3	19.3	249.7	24.0	27.2	PASS
157	5785	19.3	19.5	19.5	263.4	24.2	27.2	PASS
165	5825	19.3	19.5	19.5	263.4	24.2	27.2	PASS

NOTE:
1. Antenna 4 (Model: J9171A) is not used for point to point operation.
2. Directional gain =4dBi + 10log(3)=8.77dBi > 6dBi , so the conducted power limit shall be reduced to 30-(8.77-6)= 27.2dBm

802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
149	5745	19.2	19.4	19.3	255.4	24.1	27.2	PASS
157	5785	19.4	19.6	19.5	267.4	24.3	27.2	PASS
165	5825	19.4	19.6	19.4	265.4	24.2	27.2	PASS

NOTE:
1. Antenna 4 (Model: J9171A) is not used for point to point operation.
2. Directional gain =4dBi + 10log(3)=8.77dBi > 6dBi , so the conducted power limit shall be reduced to 30-(8.77-6)= 27.2dBm

802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
151	5755	18.6	18.8	19.0	227.7	23.6	27.2	PASS
159	5795	18.6	19.0	18.9	229.5	23.6	27.2	PASS

NOTE:
1. Antenna 4 (Model: J9171A) is not used for point to point operation.
2. Directional gain =4dBi + 10log(3)=8.77dBi > 6dBi , so the conducted power limit shall be reduced to 30-(8.77-6)= 27.2dBm

5.4.14 TEST RESULTS (TEST MODE D 2)

802.11a

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
149	5745	19.1	19.5	19.5	259.5	24.1	27.2	PASS
157	5785	19.5	19.6	19.7	273.7	24.4	27.2	PASS
165	5825	19.4	19.6	19.6	269.5	24.3	27.2	PASS

NOTE:

1. Antenna 4 (Model: J9171A) is not used for point to point operation.
2. Directional gain =4dBi + 10log(3)=8.77dBi > 6dBi , so the conducted power limit shall be reduced to 30-(8.77-6)= 27.2dBm

802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
149	5745	19.3	19.6	19.4	263.4	24.2	30	PASS
157	5785	19.5	19.8	19.7	277.9	24.4	30	PASS
165	5825	19.6	19.7	19.5	273.7	24.4	30	PASS

802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
151	5755	18.7	19.0	19.1	234.8	23.7	30	PASS
159	5795	18.8	19.1	19.0	236.6	23.7	30	PASS

5.4.15 TEST RESULTS (TEST MODE E 1)

802.11a

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
149	5745	19.3	19.5	19.5	263.4	24.2	29.2	PASS
157	5785	19.3	19.5	19.5	263.4	24.2	29.2.	PASS
165	5825	18.5	18.6	19.0	222.7	23.5	29.2	PASS

NOTE:
1. Antenna 5 (Model: J9659A) is not used for point to point operation.
2. Directional gain =2dBi + 10log(3)=6.77dBi > 6dBi , so the conducted power limit shall be reduced to 30-(6.77-6)= 29.2dBm

802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
149	5745	19.5	19.8	19.7	277.9	24.4	29.2	PASS
157	5785	19.4	19.6	19.5	267.4	24.3	29.2.	PASS
165	5825	18.6	18.8	19.0	227.7	23.6	29.2	PASS

NOTE:
1. Antenna 5 (Model: J9659A) is not used for point to point operation.
2. Directional gain =2dBi + 10log(3)=6.77dBi > 6dBi , so the conducted power limit shall be reduced to 30-(6.77-6)= 29.2dBm

802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
151	5755	18.6	18.8	19.0	227.7	23.6	29.2	PASS
159	5795	18.3	18.2	17.9	195.3	22.9	29.2.	PASS

NOTE:
1. Antenna 5 (Model: J9659A) is not used for point to point operation.
2. Directional gain =2dBi + 10log(3)=6.77dBi > 6dBi , so the conducted power limit shall be reduced to 30-(6.77-6)= 29.2dBm

5.4.16 TEST RESULTS (TEST MODE E 2)

802.11a

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
149	5745	19.4	19.7	19.6	271.6	24.3	29.2	PASS
157	5785	19.5	19.6	19.7	273.7	24.4	29.2.	PASS
165	5825	18.6	18.8	19.1	229.6	23.6	29.2	PASS

NOTE:

1. Antenna 5 (Model: J9659A) is not used for point to point operation.
2. Directional gain =2dBi + 10log(3)=6.77dBi > 6dBi , so the conducted power limit shall be reduced to 30-(6.77-6)= 29.2dBm

802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
149	5745	19.6	20.0	19.8	**286.7**	24.6	30	PASS
157	5785	19.5	19.8	19.7	277.9	24.4	30	PASS
165	5825	18.7	19.0	19.2	236.7	23.7	30	PASS

802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
151	5755	18.7	19.0	19.1	234.8	23.7	30	PASS
159	5795	18.4	19.1	18.0	213.6	23.3	30	PASS

5.5 POWER SPECTRAL DENSITY MEASUREMENT

5.5.1 LIMITS OF POWER SPECTRAL DENSITY MEASUREMENT

The Maximum of Power Spectral Density Measurement is 8dBm.

5.5.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
R&S SPECTRUM ANALYZER	FSP40	100039	Jan. 11, 2010	Jan. 10, 2011

NOTE: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

5.5.3 TEST PROCEDURE

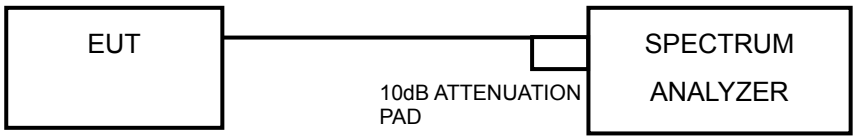
The transmitter output was connected to the spectrum analyzer through an attenuator, the bandwidth of the fundamental frequency was measured with the spectrum analyzer using 3kHz RBW and 30kHz VBW, set sweep time = span/3kHz. The power spectral density was measured and recorded.

The sweep time is allowed to be longer than span/3kHz for a full response of the mixer in the spectrum analyzer.

5.5.4 DEVIATION FROM TEST STANDARD

No deviation.

5.5.5 TEST SETUP



5.5.6 EUT OPERATING CONDITION

Same as Item 5.3.6.

5.5.7 TEST RESULTS (TEST MODE A 1)

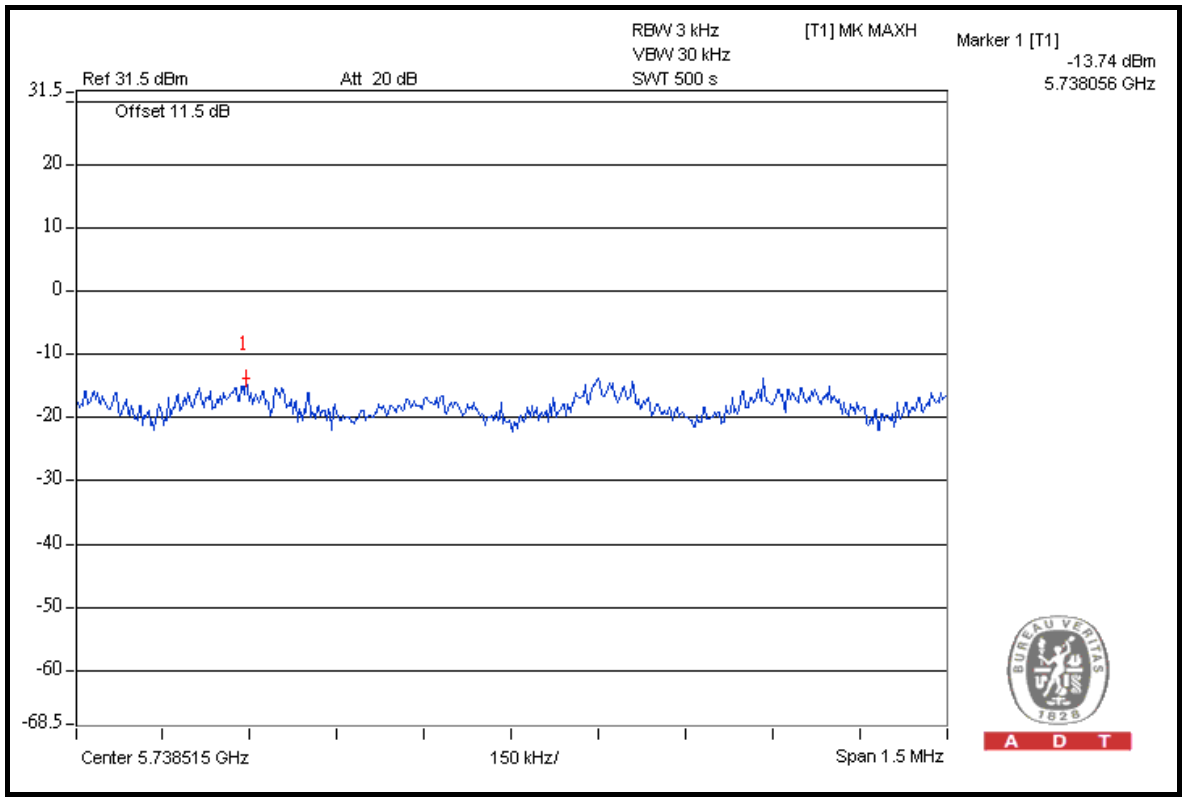
802.11a

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
149	5745	-15.2	-14.5	-13.7	-9.6	2.2	PASS
157	5785	-15.2	-14.5	-14.1	-9.8	2.2	PASS
165	5825	-16.0	-15.5	-14.5	-10.5	2.2	PASS

NOTE:

1. Antenna 1 (Model: 5184-6684) is not used for point to point operation.
2. Directional gain =7.02dBi + 10log(3)=11.79dBi > 6dBi , so the power density limit shall be reduced to 8-(11.79-6)= 2.2dBm

FOR CHAIN 2: CH 149



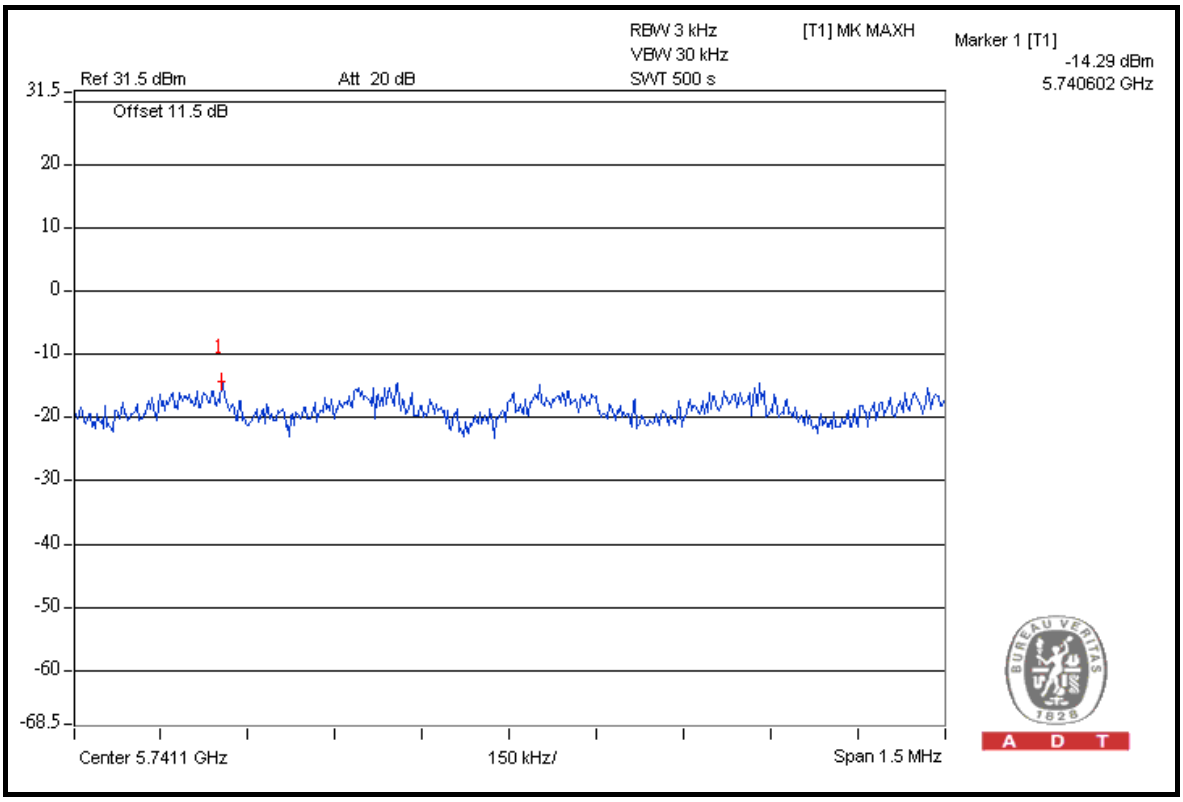
802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
149	5745	-14.7	-15.0	-14.3	-9.9	2.2	PASS
157	5785	-14.9	-15.0	-14.4	-10.0	2.2	PASS
165	5825	-15.5	-16.0	-15.1	-10.8	2.2	PASS

NOTE:

1. Antenna 1 (Model: 5184-6684) is not used for point to point operation.
2. Directional gain =7.02dBi + 10log(3)=11.79dBi > 6dBi , so the power density limit shall be reduced to 8-(11.79-6)= 2.2dBm

FOR CHAIN 2: CH 149



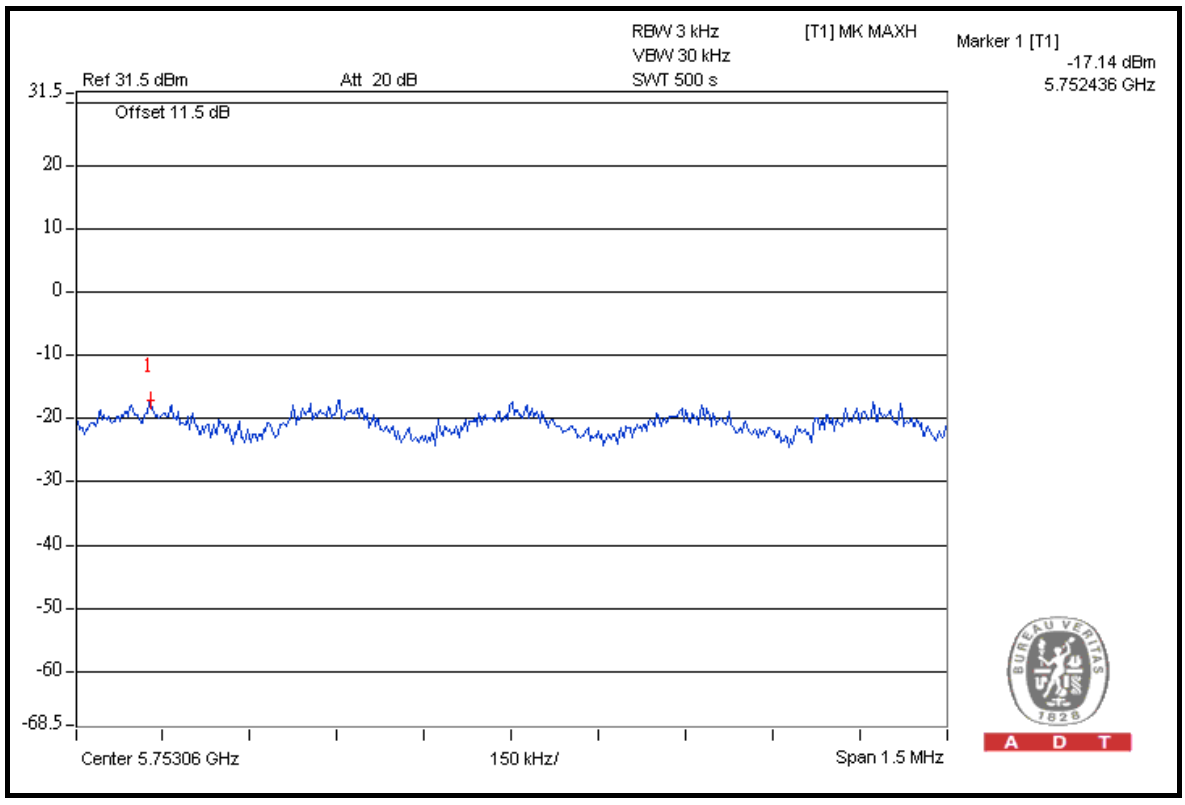
802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
151	5755	-17.6	-18.6	-17.1	-12.9	2.2	PASS
159	5795	-17.6	-18.5	-17.3	-13.0	2.2	PASS

NOTE:

1. Antenna 1 (Model: 5184-6684) is not used for point to point operation.
2. Directional gain =7.02dBi + 10log(3)=11.79dBi > 6dBi , so the power density limit shall be reduced to 8-(11.79-6)= 2.2dBm

FOR CHAIN 2: CH 151



5.5.8 TEST RESULTS (TEST MODE A 2)

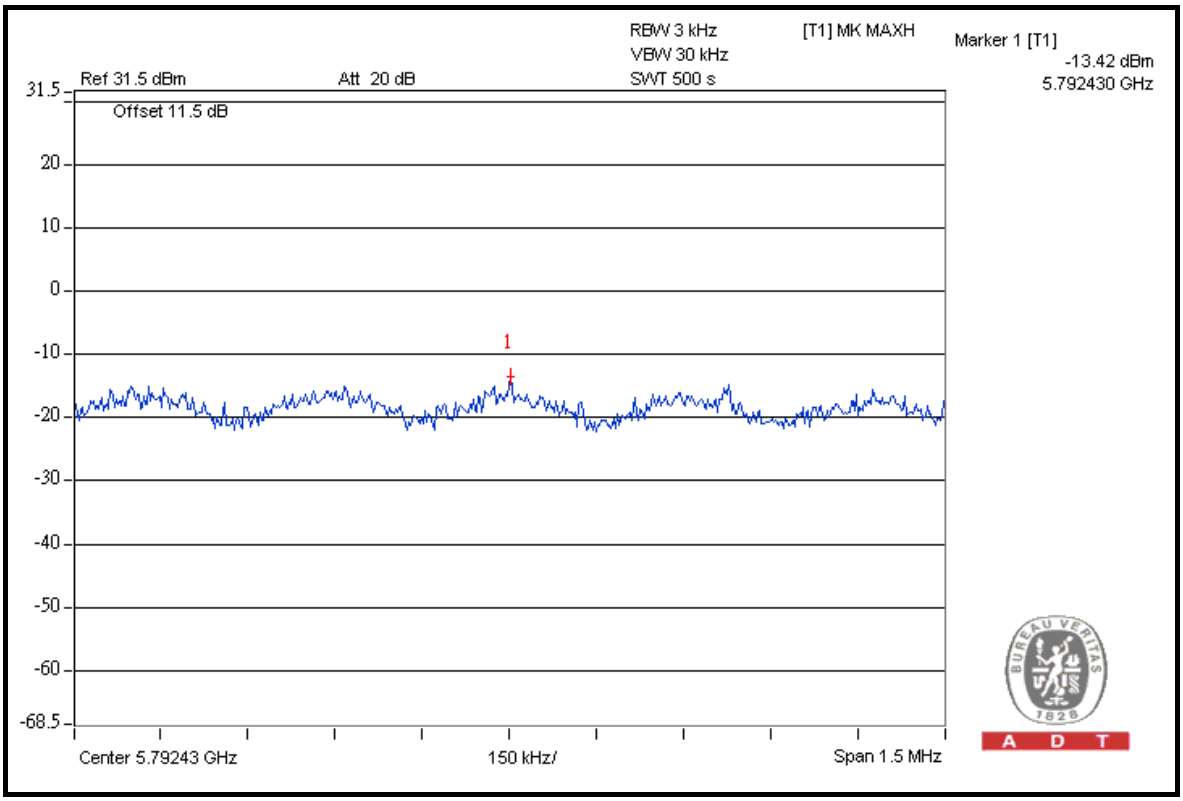
802.11a

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
149	5745	-15.0	-14.4	-13.6	-9.6	2.2	PASS
157	5785	-15.1	-14.1	-13.4	-9.4	2.2	PASS
165	5825	-15.6	-15.2	-14.5	-10.3	2.2	PASS

NOTE:

1. Antenna 1 (Model: 5184-6684) is not used for point to point operation.
2. Directional gain =7.02dBi + 10log(3)=11.79dBi > 6dBi , so the power density limit shall be reduced to 8-(11.79-6)= 2.2dBm

FOR CHAIN 2: CH 157



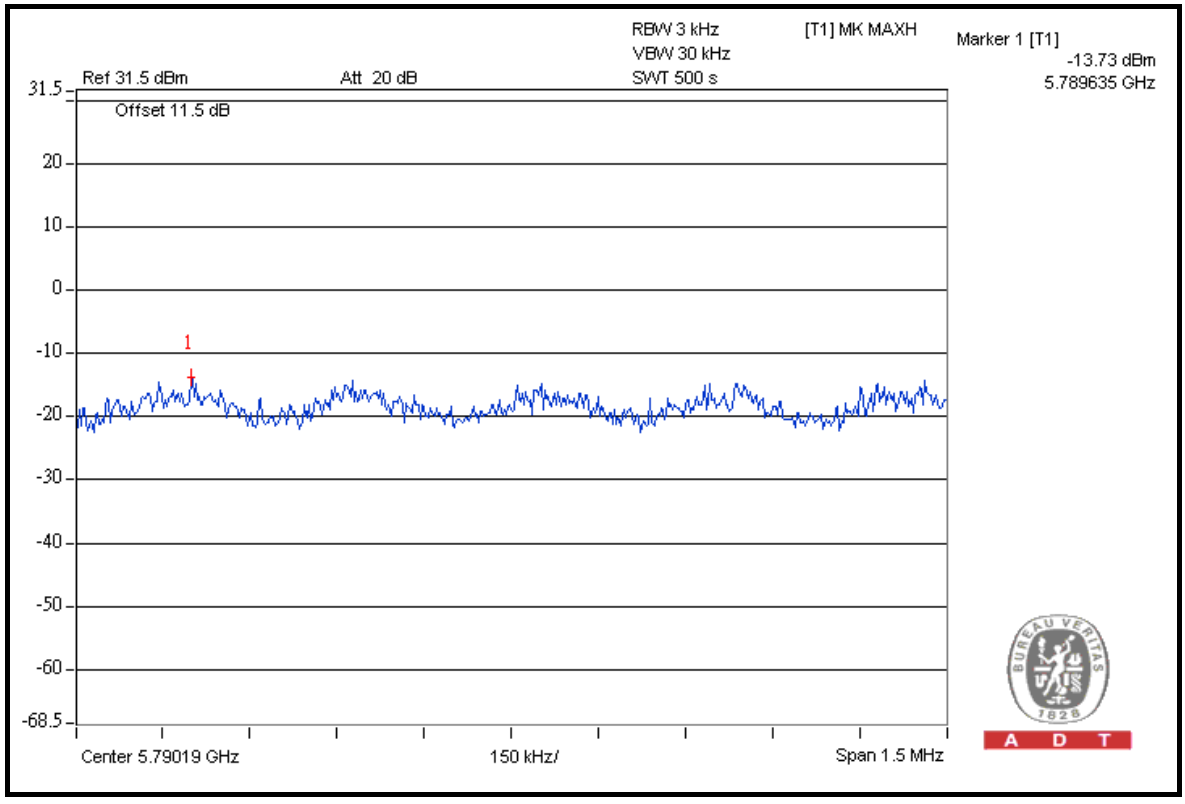
802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
149	5745	-14.1	-14.6	-13.9	-9.4	7	PASS
157	5785	-14.1	-14.6	-13.7	-9.4	7	PASS
165	5825	-15.3	-15.9	-15.3	-10.8	7	PASS

NOTE:

1. Antenna 1 (Model: 5184-6684) is not used for point to point operation.
2. According to 15.247 (b) (4), the antenna gain 7.02dBi is higher than 6dBi, so the limit of power density shall be reduced by 1.02dB.

FOR CHAIN 2: CH 157



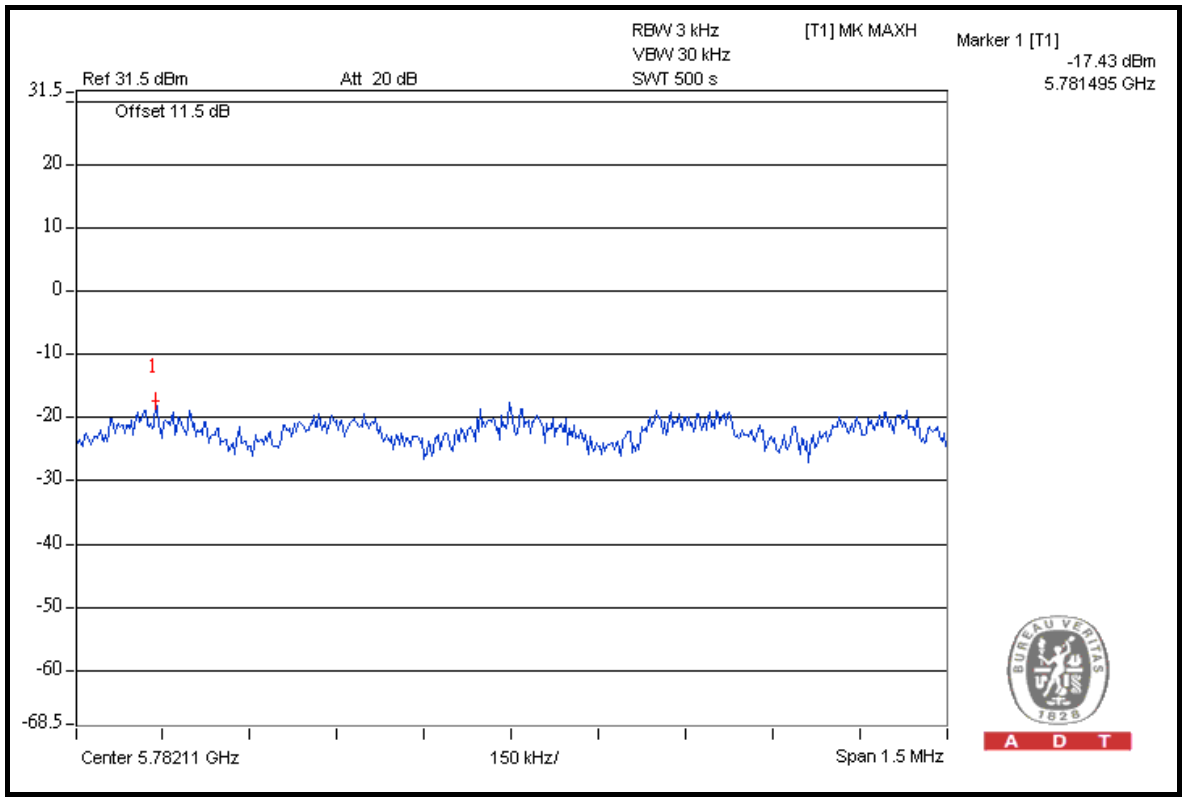
802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
151	5755	-18.2	-18.5	-17.5	-13.3	7	PASS
159	5795	-18.0	-18.3	-17.4	-13.1	7	PASS

NOTE:

1. Antenna 1 (Model: 5184-6684) is not used for point to point operation.
2. According to 15.247 (b) (4), the antenna gain 7.02dBi is higher than 6dBi, so the limit of power density shall be reduced by 1.02dB.

FOR CHAIN 2: CH 159



5.5.9 TEST RESULTS (TEST MODE B 1)

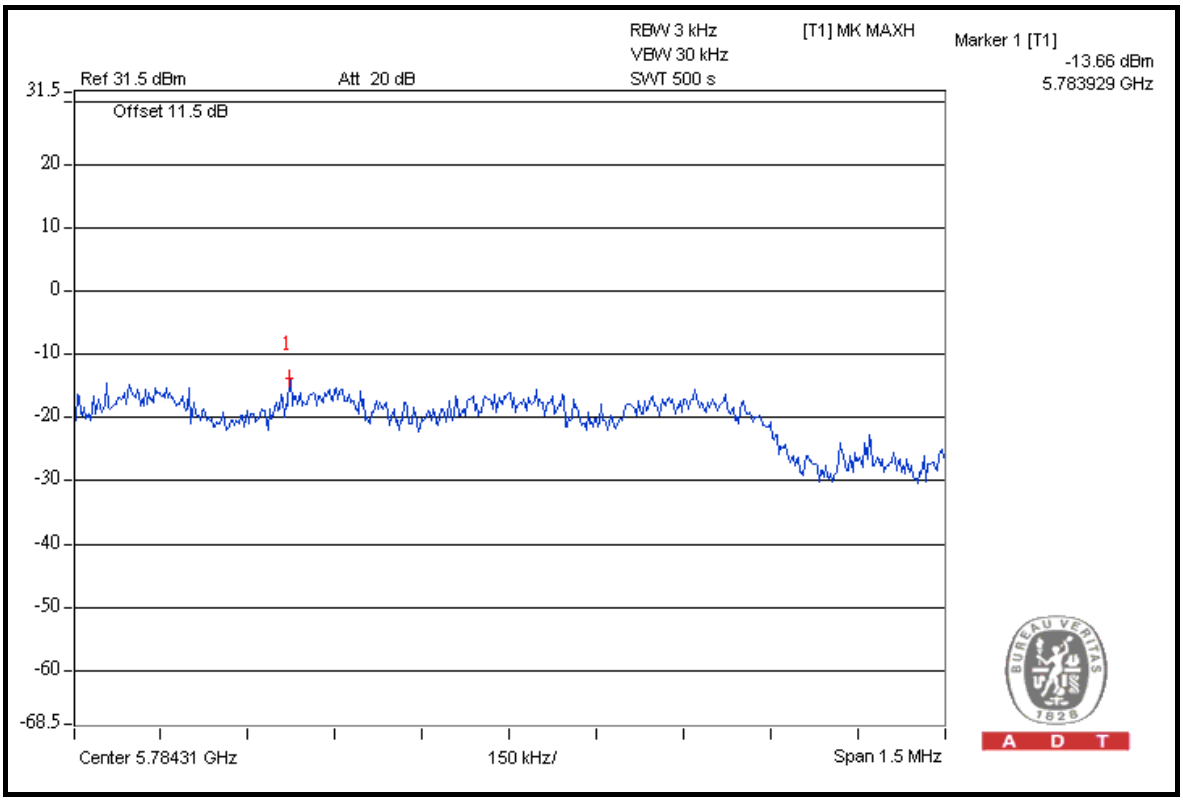
802.11a

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
149	5745	-15.6	-14.7	-14.2	-10.0	8	PASS
157	5785	-15.5	-13.7	-14.0	-9.5	8	PASS
165	5825	-18.4	-16.1	-16.8	-12.2	8	PASS

NOTE:

1. Antenna 2 (Model: J9169A) is used for point to point operation.
   Directional gain =10.7dBi + 10log(3)=15.47dBi
2. According to 15.247 (c) (1) (ii), reduced power density limit for directional gain higher than 6dBi is not necessary.

FOR CHAIN 1: CH 157



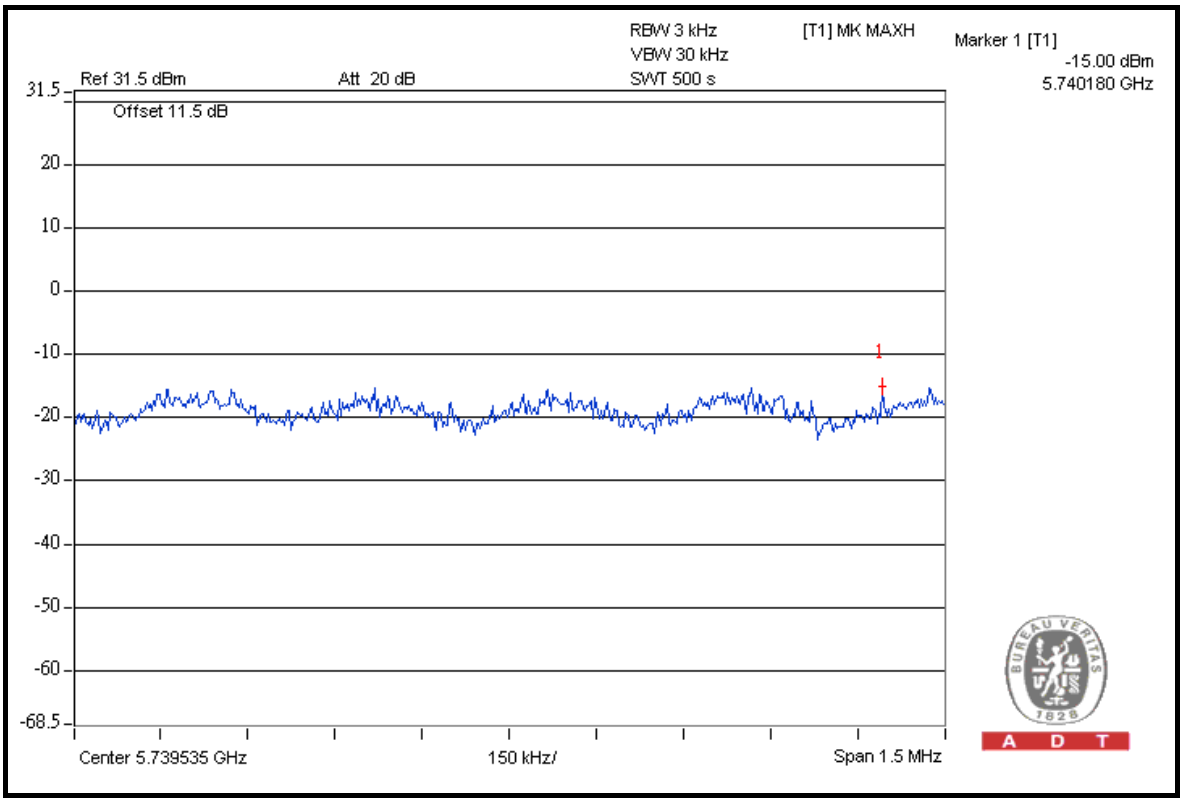
802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
149	5745	-15.2	-15.7	-15.0	-10.5	8	PASS
157	5785	-15.2	-15.9	-15.2	-10.7	8	PASS
165	5825	-17.7	-18.2	-17.7	-13.1	8	PASS

NOTE:

1. Antenna 2 (Model: J9169A) is used for point to point operation.
   Directional gain =10.7dBi + 10log(3)=15.47dBi
2. According to 15.247 (c) (1) (ii), reduced power density limit for directional gain higher than 6dBi is not necessary.

FOR CHAIN 2: CH 149



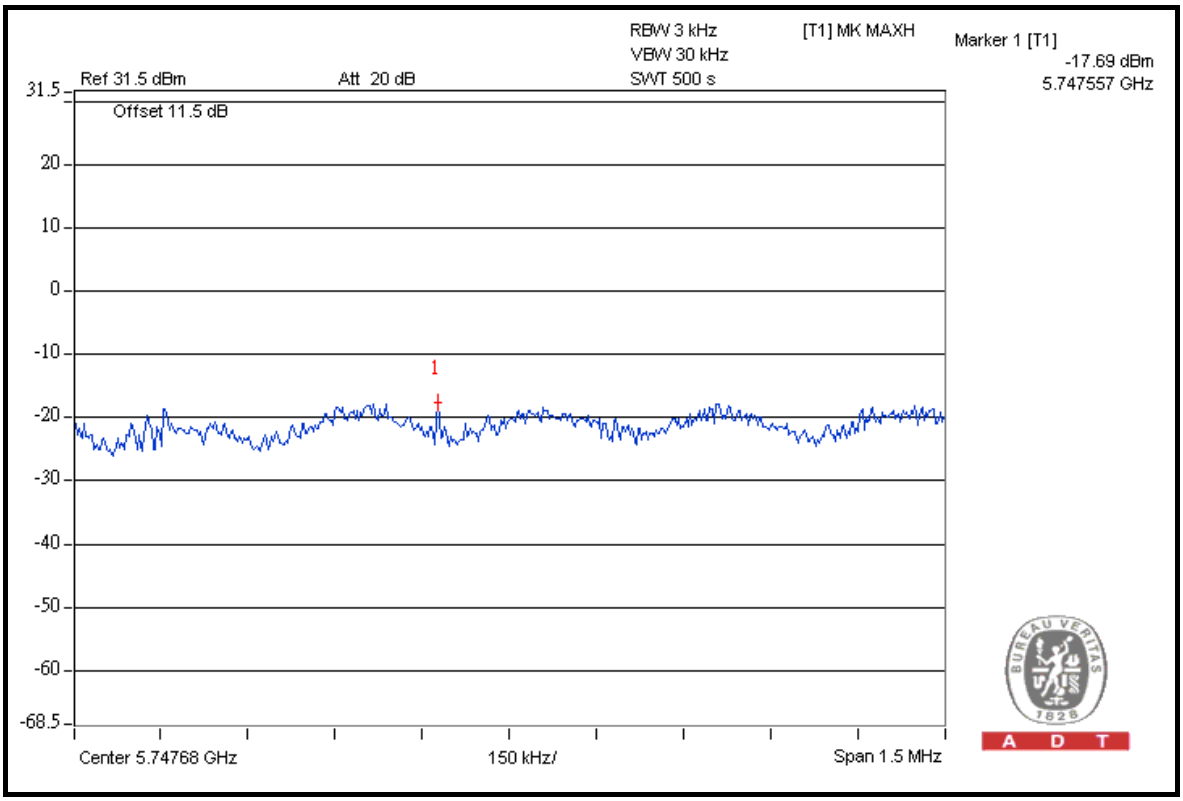
802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
151	5755	-18.1	-18.6	-17.7	-13.4	8	PASS
159	5795	-19.7	-20.4	-19.4	-15.1	8	PASS

NOTE:

1. Antenna 2 (Model: J9169A) is used for point to point operation.
   Directional gain =10.7dBi + 10log(3)=15.47dBi
2. According to 15.247 (c) (1) (ii), reduced power density limit for directional gain higher than 6dBi is not necessary.

FOR CHAIN 2: CH 151



5.5.10 TEST RESULTS (TEST MODE B 2)

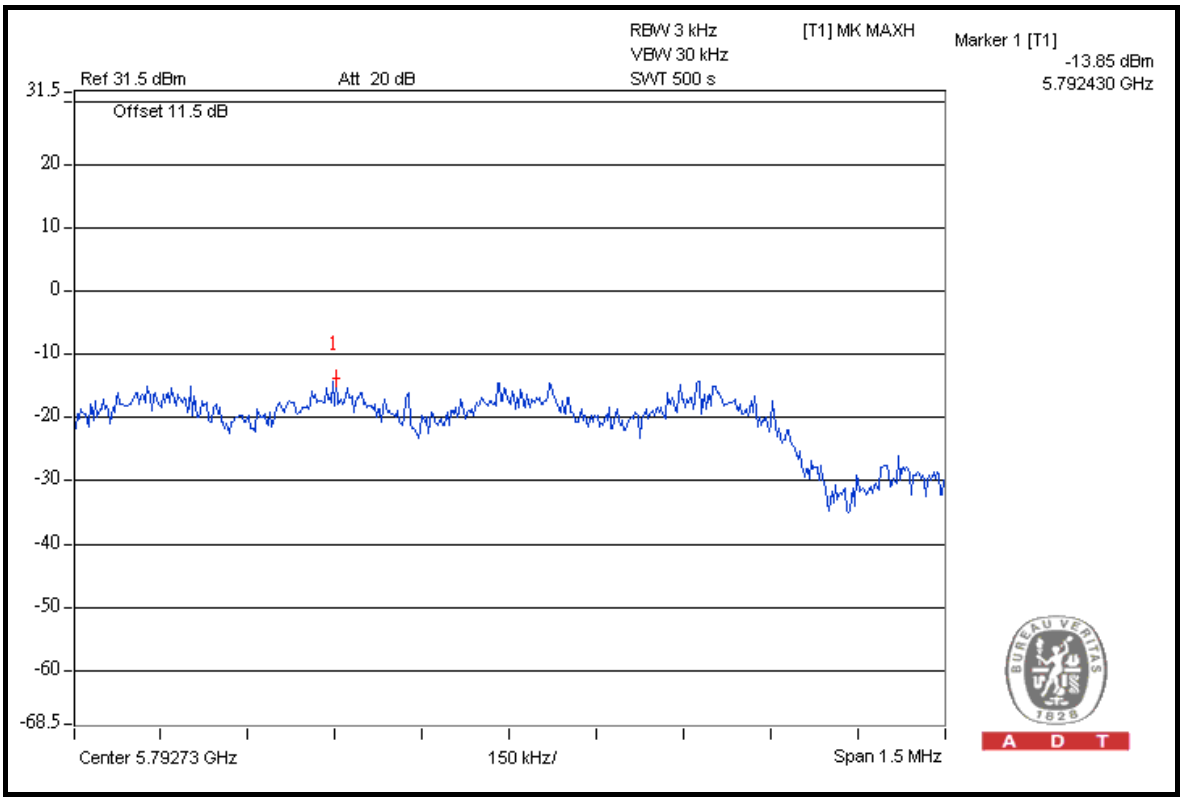
802.11a

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
149	5745	-15.4	-14.8	-14.1	-9.9	8	PASS
157	5785	-15.5	-14.5	-13.9	-9.8	8	PASS
165	5825	-17.9	-17.1	-16.6	-12.4	8	PASS

NOTE:

1. Antenna 2 (Model: J9169A) is used for point to point operation. Directional gain =10.7dBi + 10log(3)=15.47dBi
2. According to 15.247 (c) (1) (ii), reduced power density limit for antenna gain higher than 6dBi is not necessary.

FOR CHAIN 2: CH 157



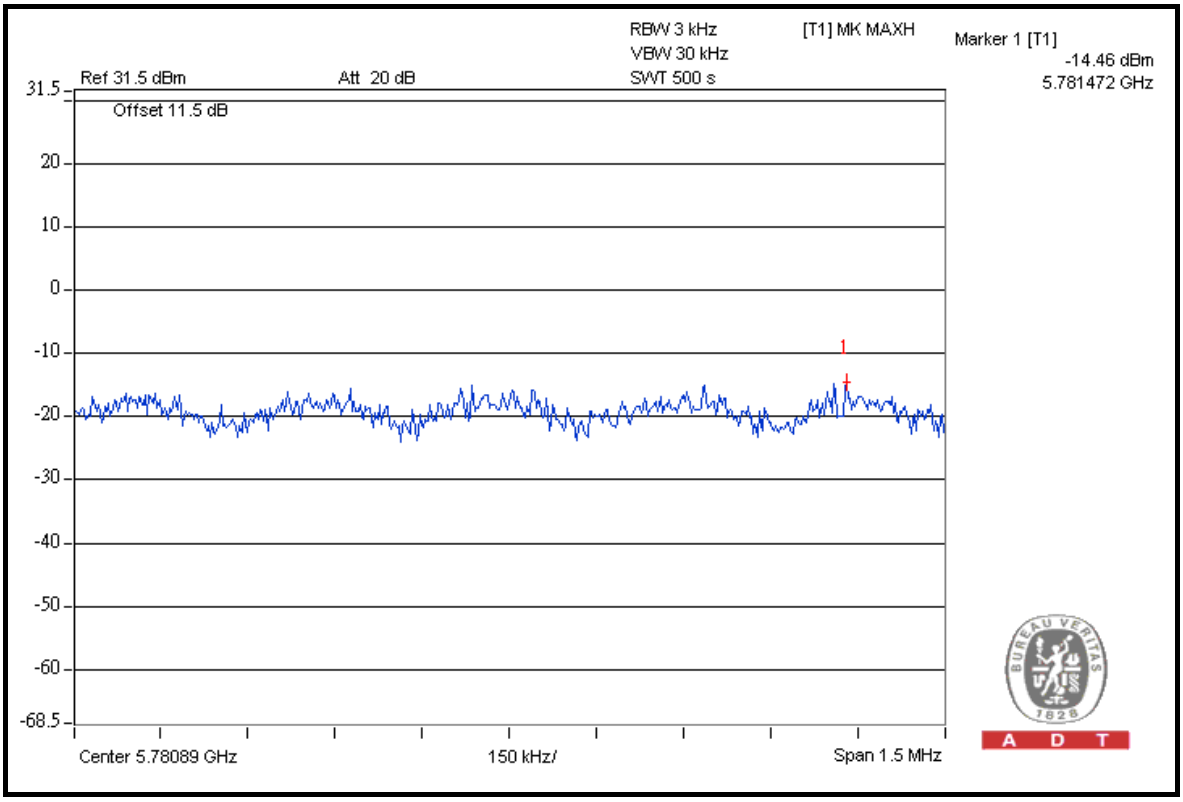
802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
149	5745	-15.0	-14.6	-14.6	-9.9	8	PASS
157	5785	-14.9	-14.6	-14.5	-9.9	8	PASS
165	5825	-17.7	-17.0	-17.0	-12.4	8	PASS

NOTE:

1. Antenna 2 (Model: J9169A) is used for point to point operation.The antenna gain is 10.7dBi.
2. According to 15.247 (c) (1) (ii), reduced power density limit for antenna gain higher than 6dBi is not necessary.

FOR CHAIN 2: CH 157



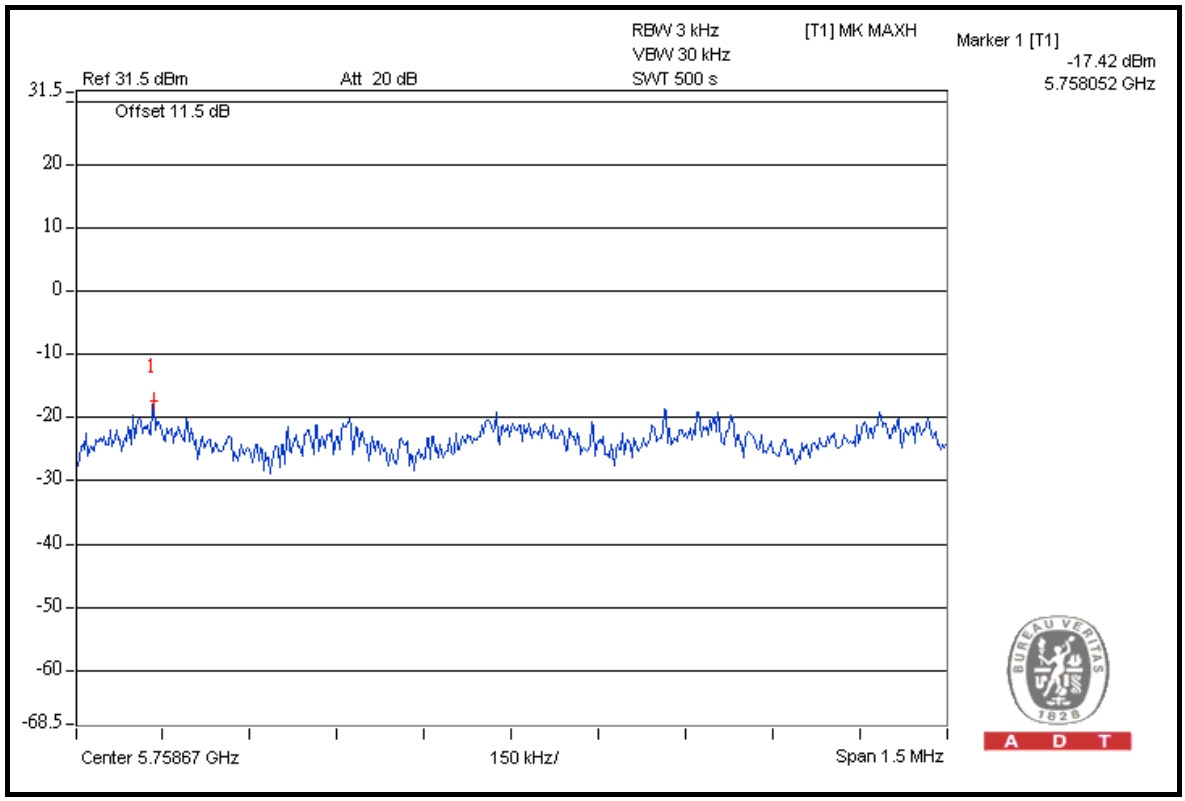
802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
151	5755	-18.1	-19.0	-17.4	-13.4	8	PASS
159	5795	-19.9	-20.7	-19.7	-15.2	8	PASS

NOTE:

1. Antenna 2 (Model: J9169A) is used for point to point operation.The antenna gain is 10.7dBi.
2. According to 15.247 (c) (1) (ii), reduced power density limit for antenna gain higher than 6dBi is not necessary.

FOR CHAIN 2: CH 151



5.5.11 TEST RESULTS (TEST MODE C 1)

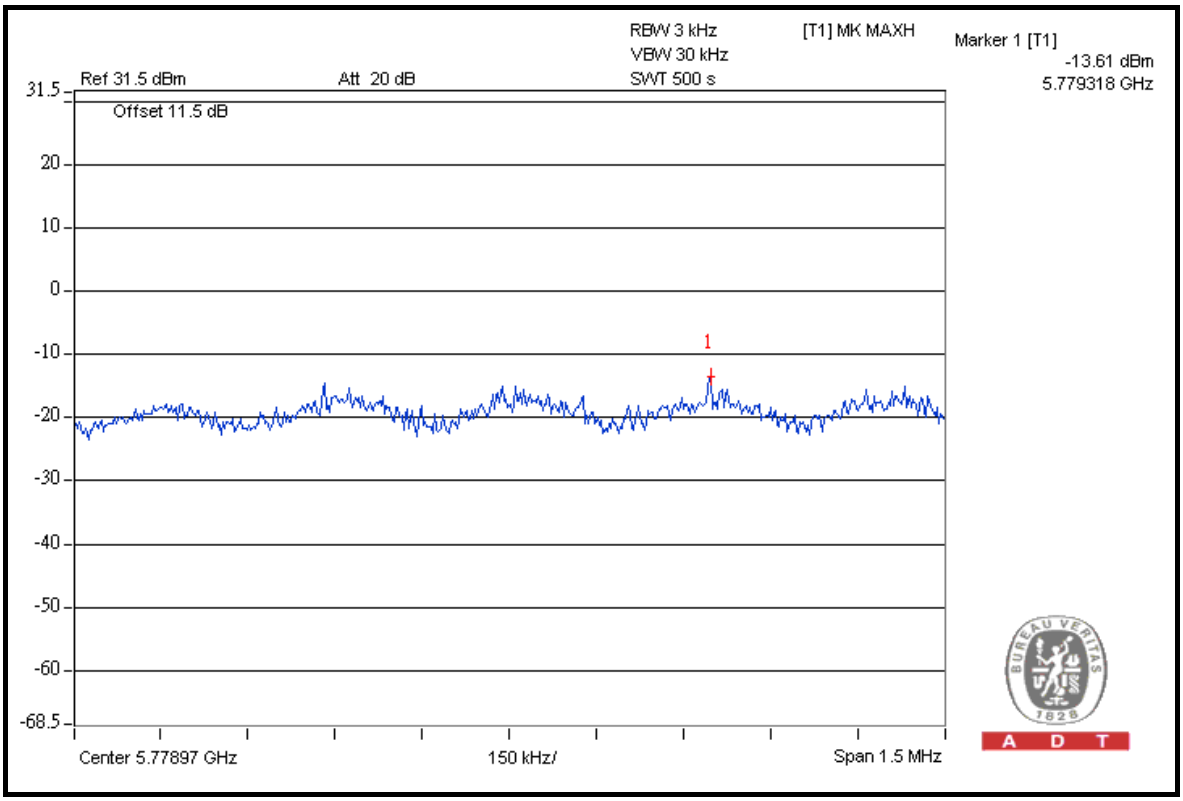
802.11a

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
149	5745	-15.7	-13.6	-14.4	-9.7	8	PASS
157	5785	-16.0	-13.6	-14.4	-9.8	8	PASS
165	5825	-16.7	-14.2	-14.9	-10.4	8	PASS

NOTE:

1. Antenna 3 (Model: J9170A) is used for point to point operation.
   Directional gain =13.5dBi + 10log(3)=18.27dBi
2. According to 15.247 (c) (1) (ii), reduced power density limit for directional gain higher than 6dBi is not necessary.

FOR CHAIN 1: CH 157



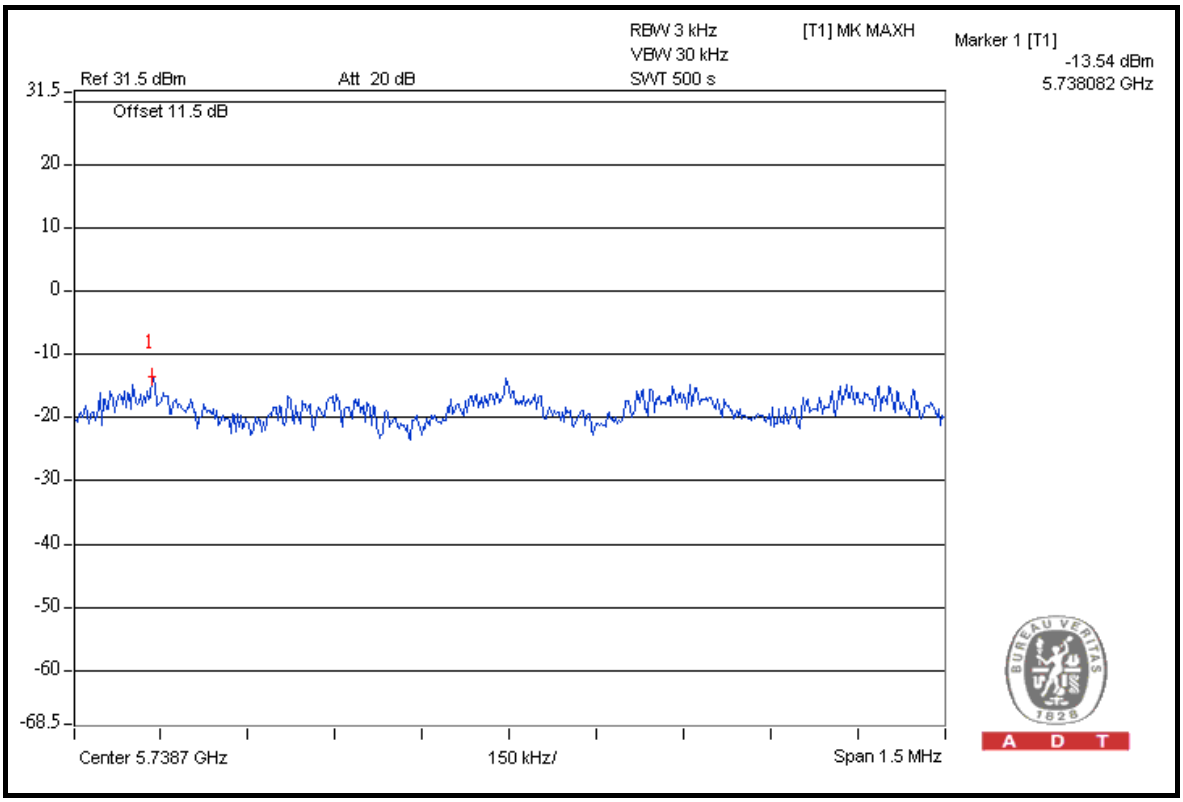
802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
149	5745	-13.9	-13.5	-13.9	-9.0	8	PASS
157	5785	-14.3	-13.6	-13.8	-9.1	8	PASS
165	5825	-14.8	-14.1	-14.3	-9.6	8	PASS

NOTE:

1. Antenna 3 (Model: J9170A) is used for point to point operation.
   Directional gain =13.5dBi + 10log(3)=18.27dBi
2. According to 15.247 (c) (1) (ii), reduced power density limit for directional gain higher than 6dBi is not necessary.

FOR CHAIN 1: CH 149



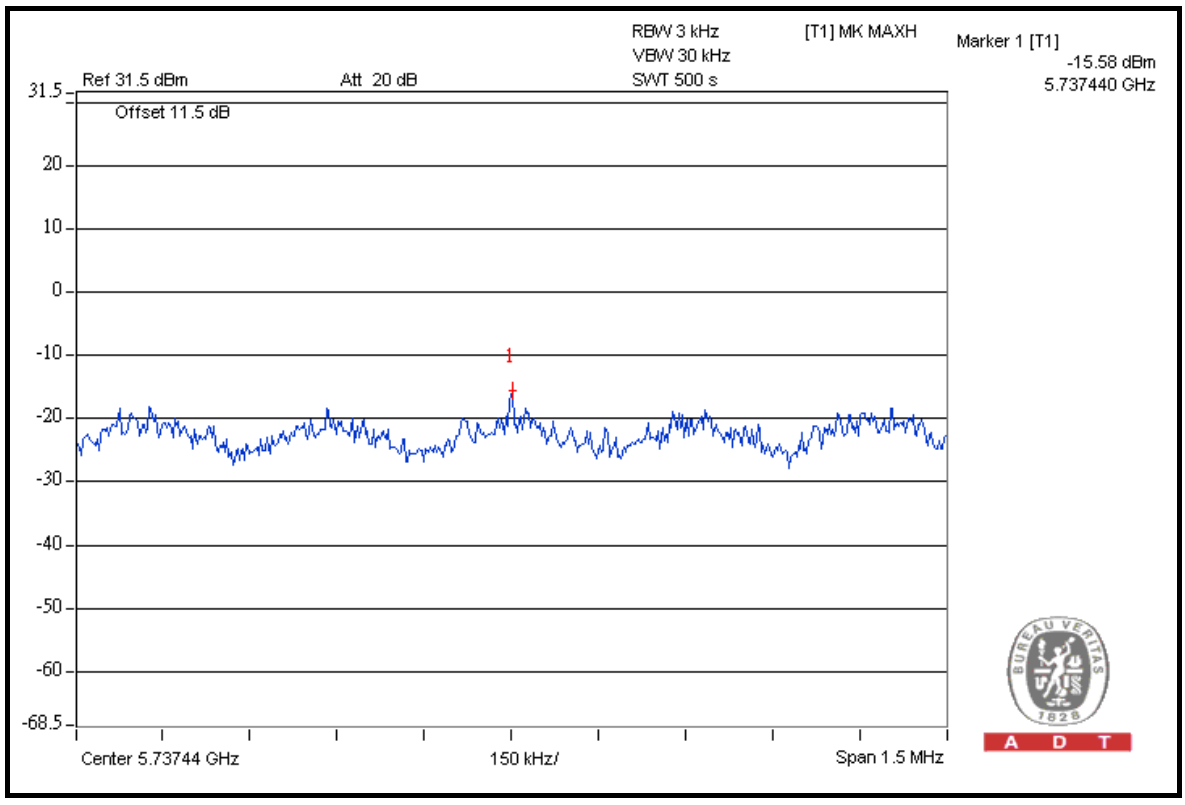
802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
151	5755	-17.7	-16.6	-15.6	-11.7	8	PASS
159	5795	-18.8	-17.3	-16.5	-12.7	8	PASS

NOTE:

1. Antenna 3 (Model: J9170A) is used for point to point operation.
   Directional gain =13.5dBi + 10log(3)=18.27dBi
2. According to 15.247 (c) (1) (ii), reduced power density limit for directional gain higher than 6dBi is not necessary.

FOR CHAIN 2: CH 151



5.5.12 TEST RESULTS (TEST MODE C 2)

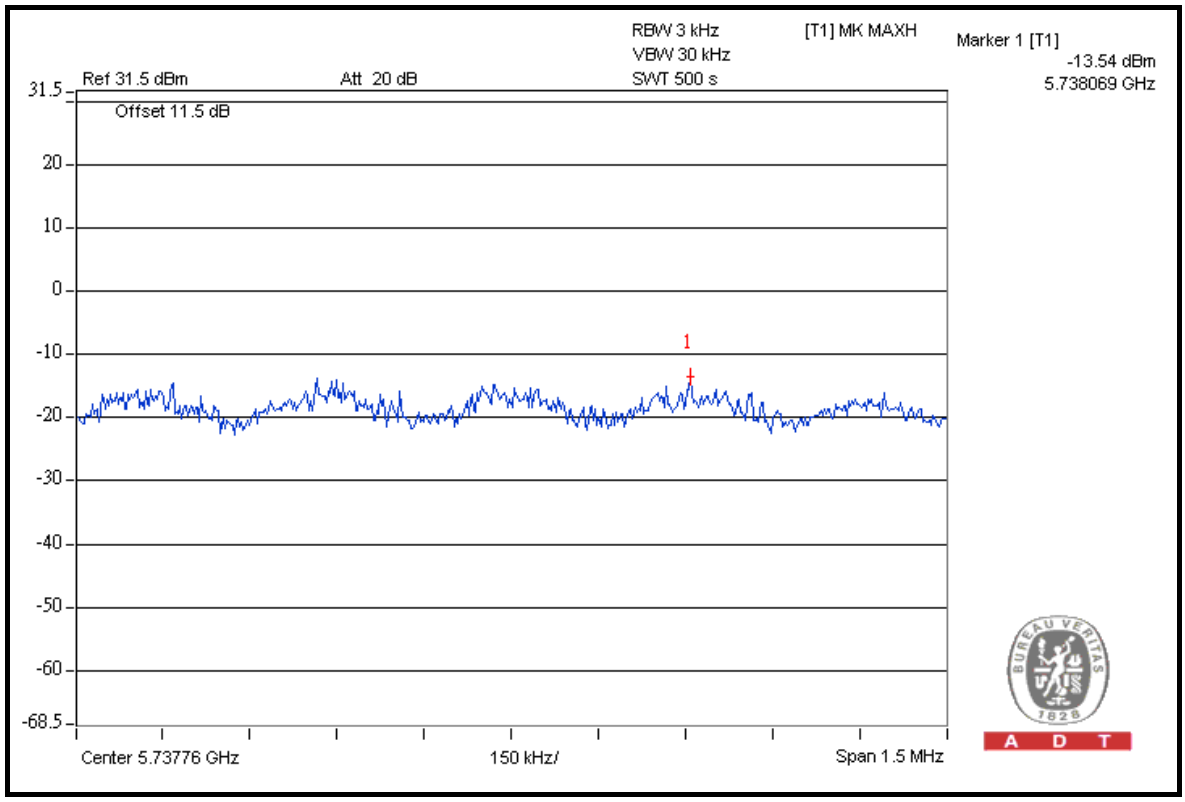
802.11a

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
149	5745	-15.0	-14.1	-13.5	-9.4	8	PASS
157	5785	-15.3	-14.3	-13.5	-9.6	8	PASS
165	5825	-16.2	-14.8	-14.1	-10.1	8	PASS

NOTE:

1. Antenna 3 (Model: J9170A) is used for point to point operation. Directional gain =13.5dBi + 10log(3)=18.27dBi
2. According to 15.247 (c) (1) (ii), reduced power density limit for antenna gain higher than 6dBi is not necessary.

FOR CHAIN 2: CH 149



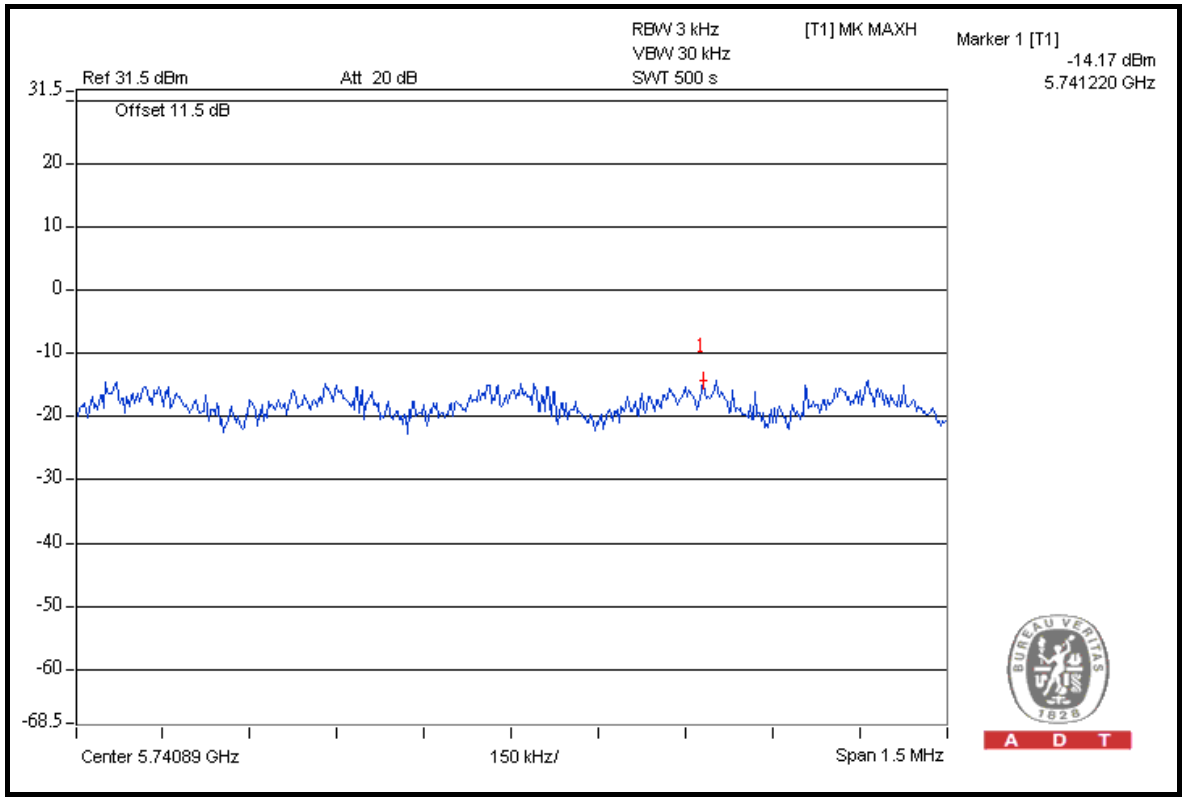
802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
149	5745	-15.0	-15.4	-14.2	-10.0	8	PASS
157	5785	-15.1	-15.5	-14.4	-10.2	8	PASS
165	5825	-16.0	-15.7	-14.6	-10.6	8	PASS

NOTE:

1. Antenna 3 (Model: J9170A) is used for point to point operation. The antenna gain is 13.50dBi.
2. According to 15.247 (c) (1) (ii), reduced power density limit for antenna gain higher than 6dBi is not necessary.

FOR CHAIN 2: CH 149



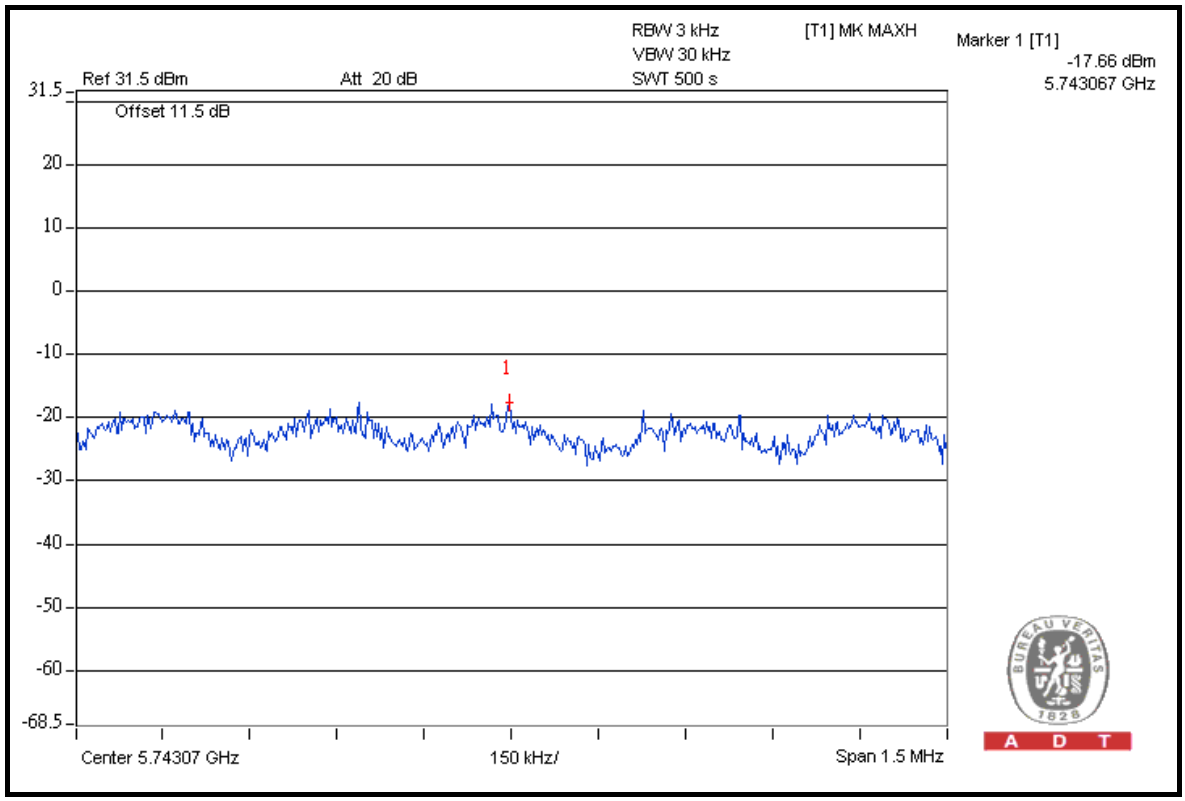
802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
151	5755	-18.5	-18.9	-17.7	-13.6	8	PASS
159	5795	-19.7	-19.6	-18.6	-14.6	8	PASS

NOTE:

1. Antenna 3 (Model: J9170A) is used for point to point operation. The antenna gain is 13.50dBi.
2. According to 15.247 (c) (1) (ii), reduced power density limit for antenna gain higher than 6dBi is not necessary.

FOR CHAIN 2: CH 151



5.5.13 TEST RESULTS (TEST MODE D 1)

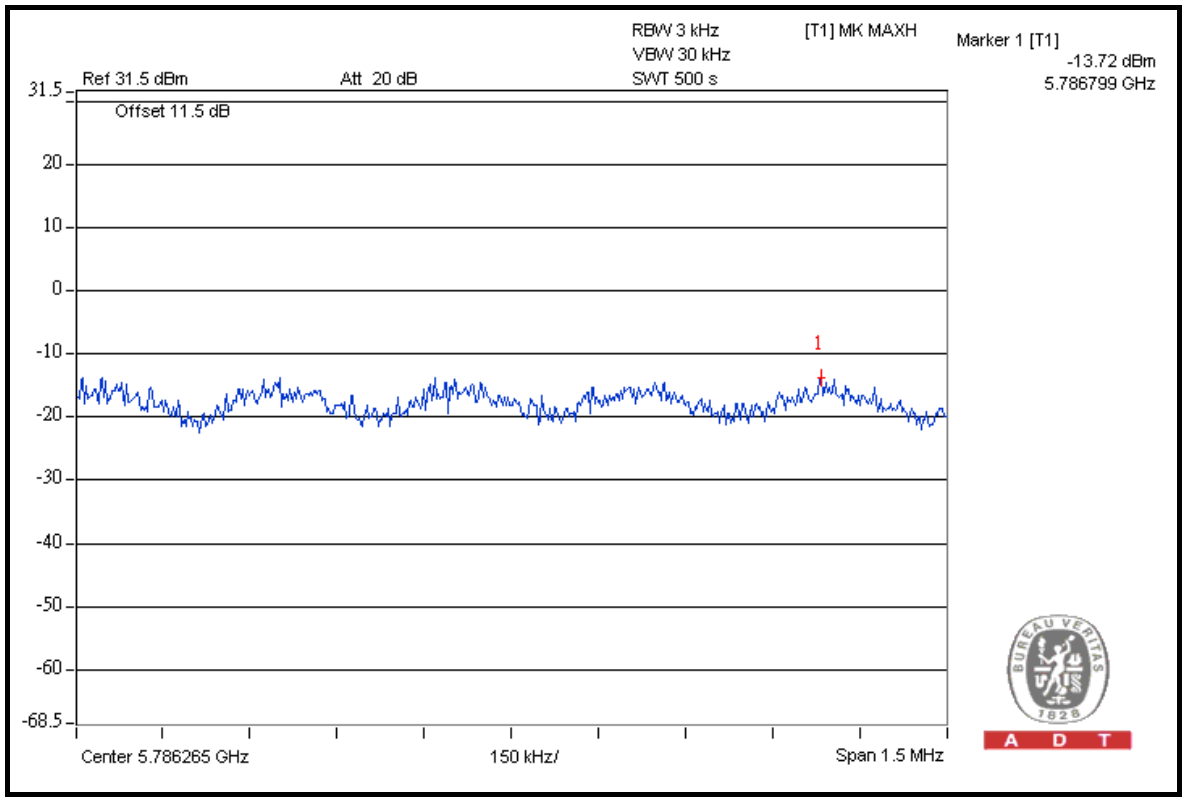
802.11a

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
149	5745	-15.0	-14.1	-14.0	-9.6	6.2	PASS
157	5785	-14.9	-13.9	-13.7	-9.4	6.2	PASS
165	5825	-14.7	-14.0	-13.9	-9.4	6.2	PASS

NOTE:

1. Antenna 4 (Model: J9171A) is not used for point to point operation.
2. Directional gain =4dBi + 10log(3)=8.77dBi > 6dBi , so the power density limit shall be reduced to 8-(8.77-6)= 6.2dBm

FOR CHAIN 2: CH 157



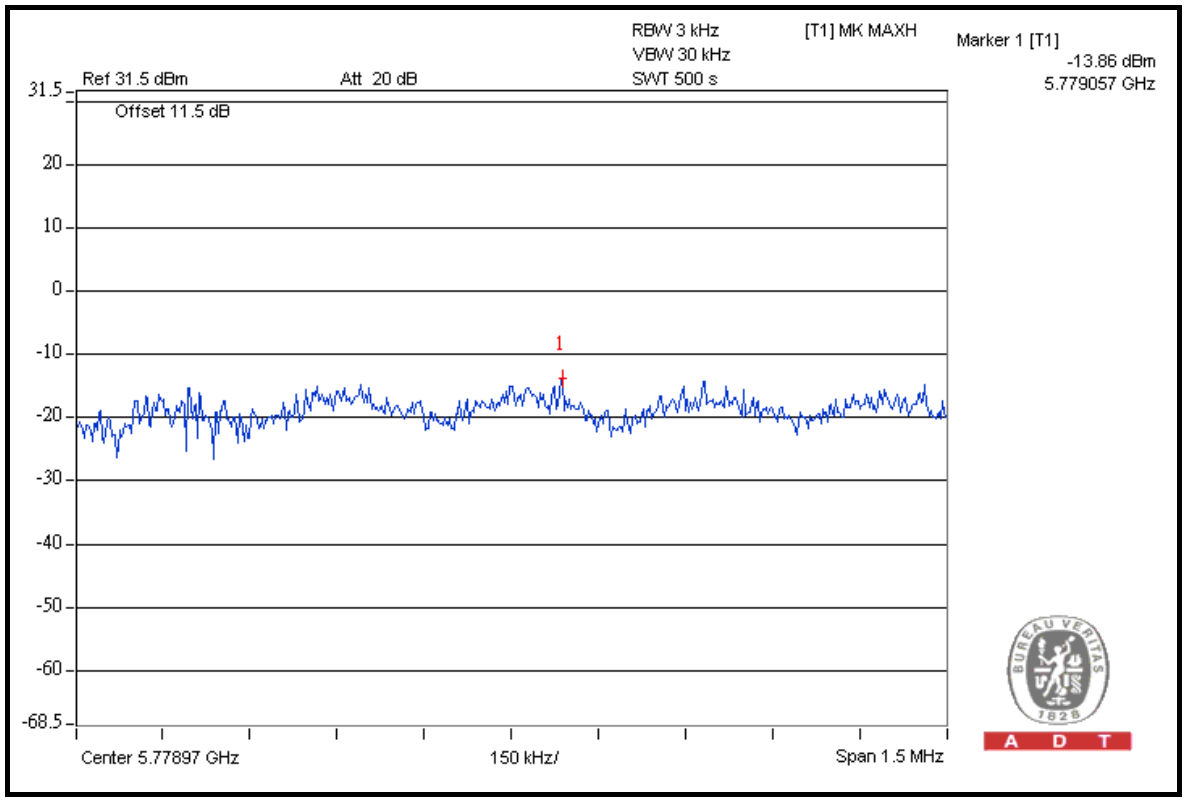
802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
149	5745	-14.6	-14.7	-14.1	-9.7	6.2	PASS
157	5785	-14.3	-14.5	-13.9	-9.4	6.2	PASS
165	5825	-14.4	-14.5	-13.9	-9.5	6.2	PASS

NOTE:

1. Antenna 4 (Model: J9171A) is not used for point to point operation.
2. Directional gain =4dBi + 10log(3)=8.77dBi > 6dBi , so the power density limit shall be reduced to 8-(8.77-6)= 6.2dBm

FOR CHAIN 2: CH 157



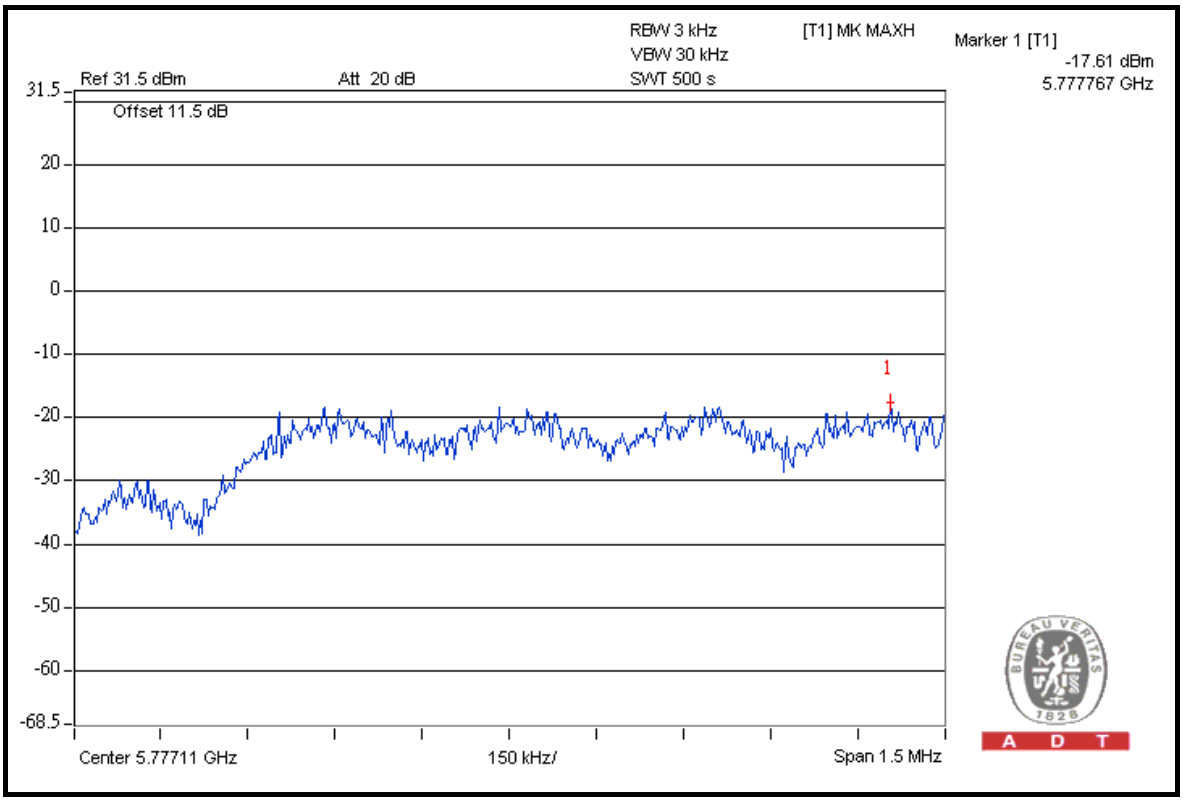
802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
151	5755	-18.3	-17.8	-17.8	-13.2	6.2	PASS
159	5795	-18.2	-17.6	-17.8	-13.1	6.2	PASS

NOTE:

1. Antenna 4 (Model: J9171A) is not used for point to point operation.
2. Directional gain =4dBi + 10log(3)=8.77dBi > 6dBi , so the power density limit shall be reduced to 8-(8.77-6)= 6.2dBm

FOR CHAIN 1: CH 159



5.5.14 TEST RESULTS (TEST MODE D 2)

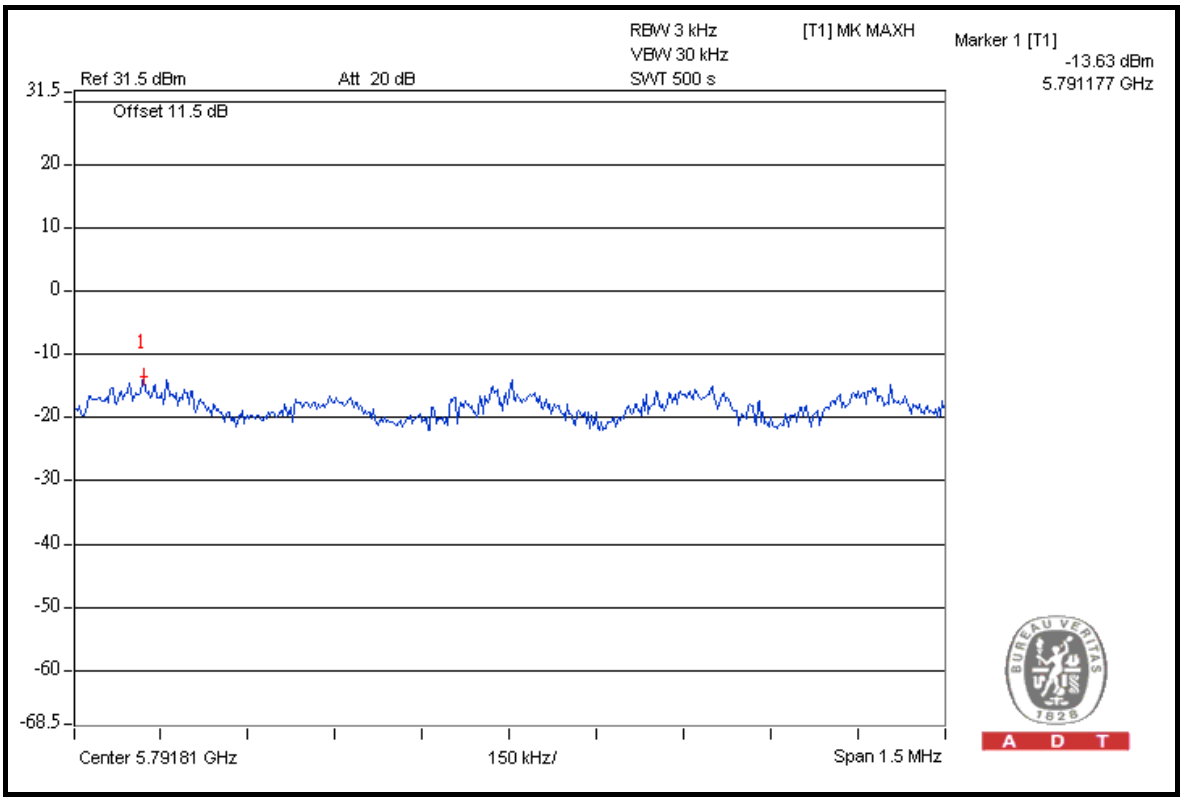
802.11a

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
149	5745	-15.0	-14.1	-13.9	-9.5	6.2	PASS
157	5785	-14.4	-14.0	-13.6	-9.2	6.2	PASS
165	5825	-14.5	-13.9	-13.7	-9.3	6.2	PASS

NOTE:

1. Antenna 4 (Model: J9171A) is not used for point to point operation.
2. Directional gain =4dBi + 10log(3)=8.77dBi > 6dBi , so the power density limit shall be reduced to 8-(8.77-6)= 6.2dBm

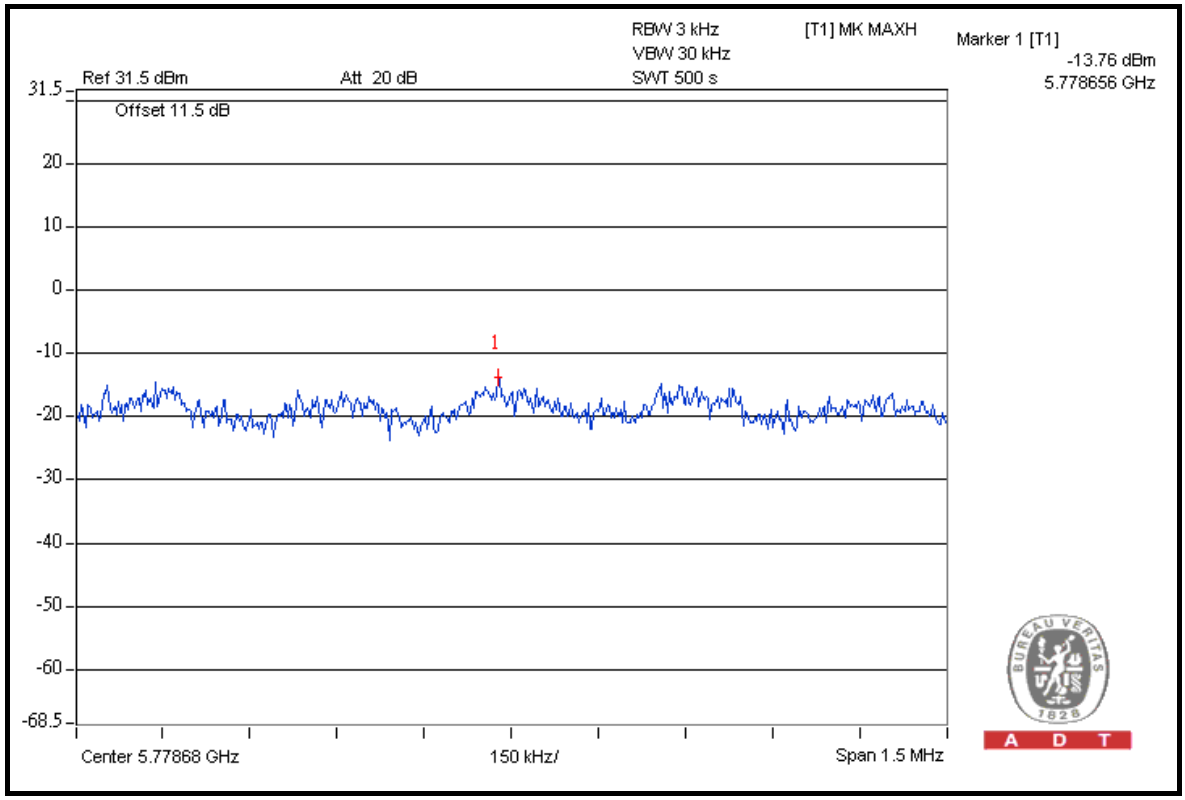
FOR CHAIN 2: CH 157



802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
149	5745	-14.5	-14.6	-14.1	-9.6	8	PASS
157	5785	-14.3	-14.4	-13.8	-9.4	8	PASS
165	5825	-14.1	-14.7	-14.1	-9.5	8	PASS

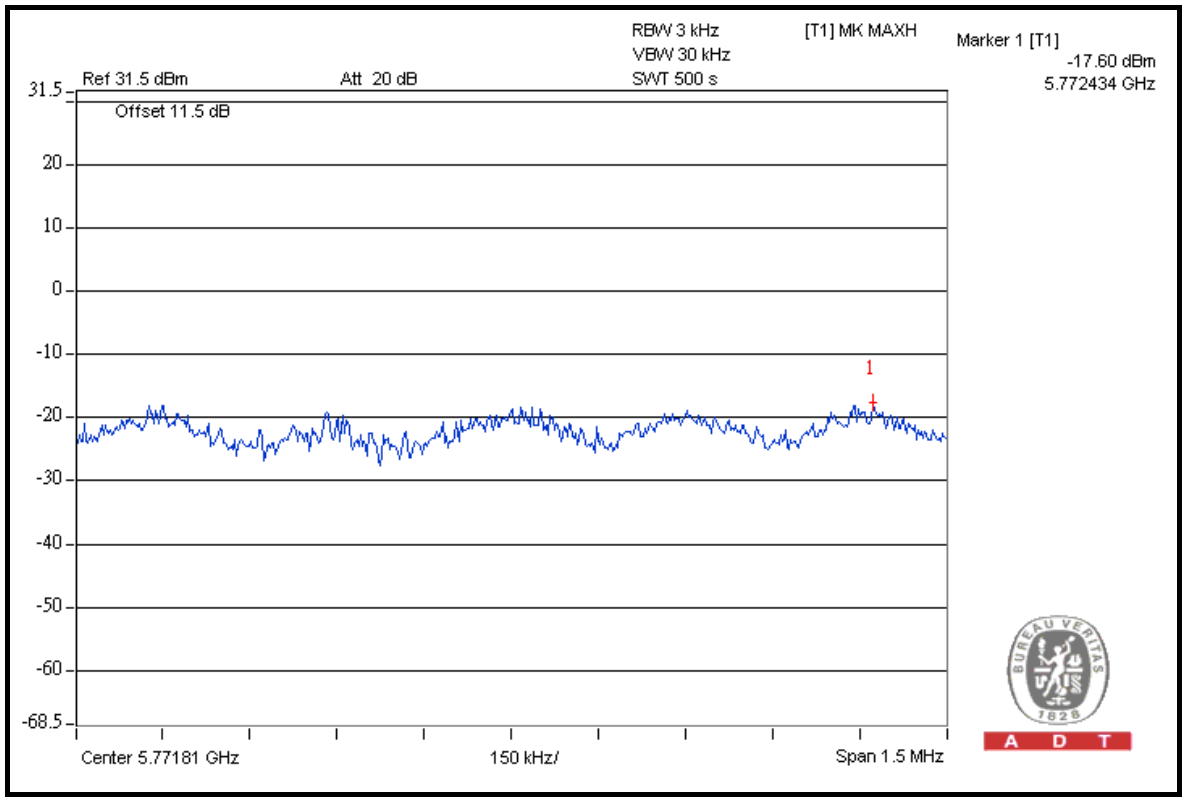
FOR CHAIN 2: CH 157



802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
151	5755	-18.1	-18.5	-17.6	-13.3	8	PASS
159	5795	-18.0	-18.4	-17.7	-13.3	8	PASS

FOR CHAIN 2: CH 151



5.5.15 TEST RESULTS (TEST MODE E 1)

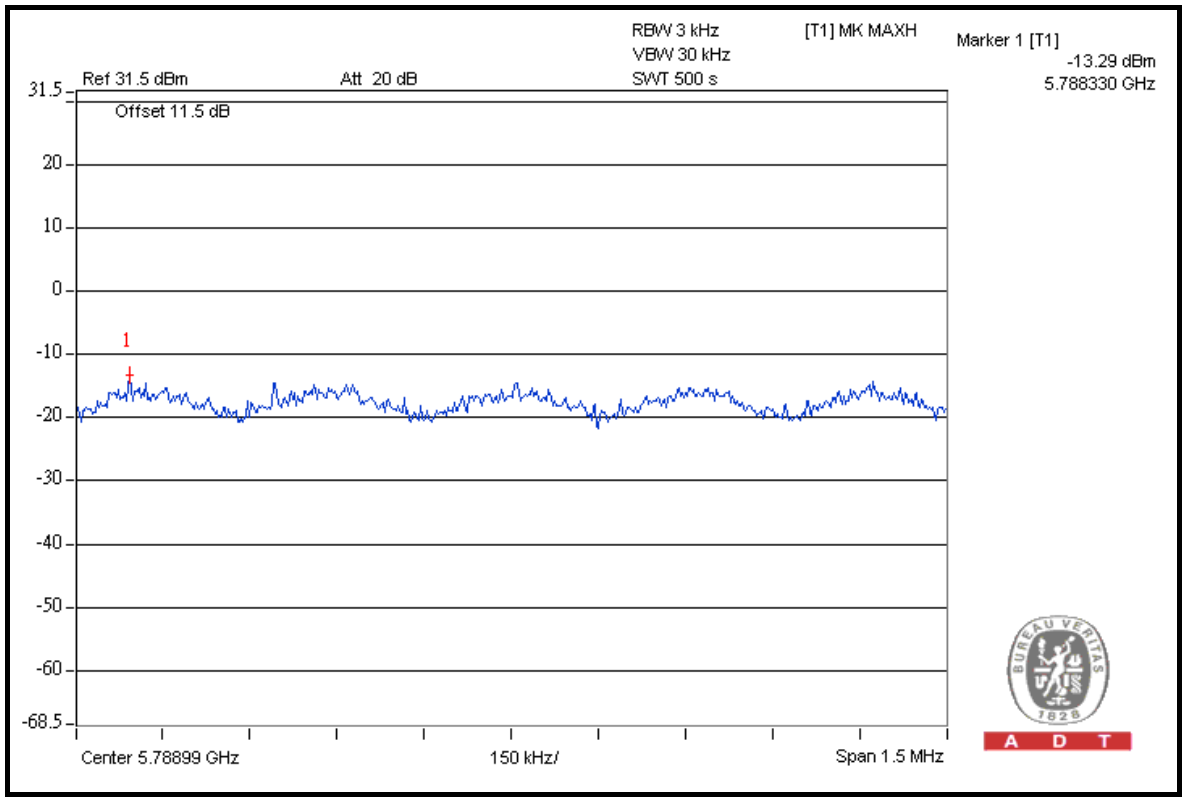
802.11a

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
149	5745	-14.8	-13.9	-13.5	-9.3	7.2	PASS
157	5785	-15.0	-13.9	-13.3	-9.2	7.2	PASS
165	5825	-15.4	-14.6	-13.8	-9.8	7.2	PASS

NOTE:

1. Antenna 5 (Model: J9659A) is not used for point to point operation.
2. Directional gain =2dBi + 10log(3)=6.77dBi > 6dBi , so the power density limit shall be reduced to 8-(6.77-6)= 7.2dBm

FOR CHAIN 2: CH 157



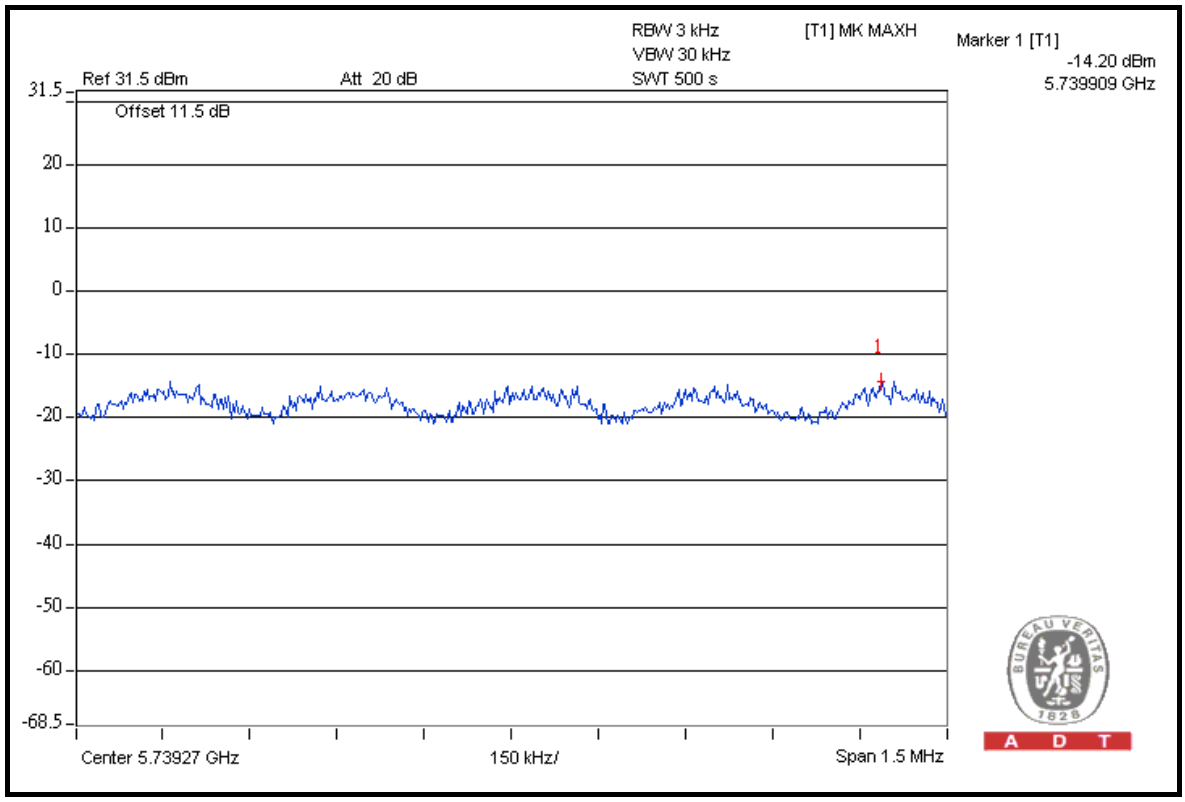
802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
149	5745	-14.2	-14.7	-14.3	-9.6	7.2	PASS
157	5785	-14.4	-14.7	-14.3	-9.7	7.2	PASS
165	5825	-15.1	-15.7	-15.2	-10.5	7.2	PASS

NOTE:

1. Antenna 5 (Model: J9659A) is not used for point to point operation.
2. Directional gain =2dBi + 10log(3)=6.77dBi > 6dBi , so the power density limit shall be reduced to 8-(6.77-6)= 7.2dBm

FOR CHAIN 0: CH 149



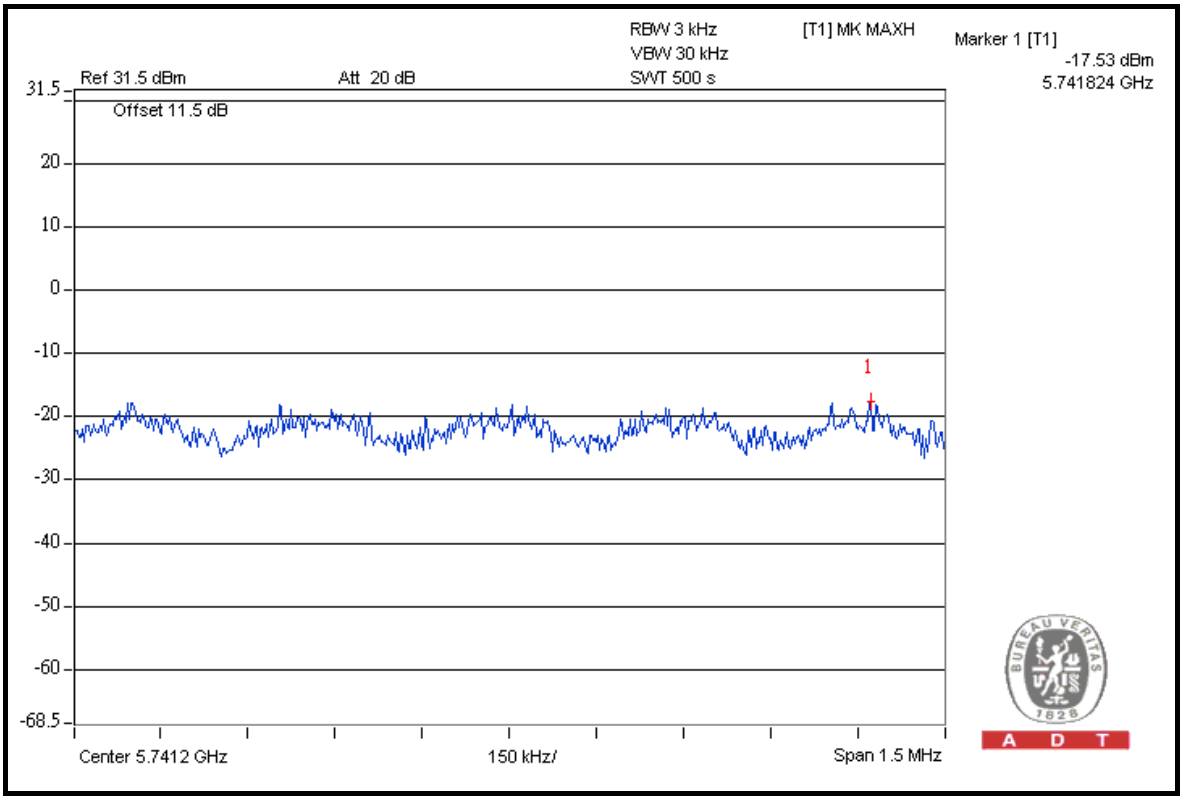
802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
151	5755	-18.2	-18.5	-17.5	-13.3	7.2	PASS
159	5795	-18.4	-19.3	-18.6	-14.0	7.2	PASS

NOTE:

1. Antenna 5 (Model: J9659A) is not used for point to point operation.
2. Directional gain =2dBi + 10log(3)=6.77dBi > 6dBi , so the power density limit shall be reduced to 8-(6.77-6)= 7.2dBm

FOR CHAIN 2: CH 151



5.5.16 TEST RESULTS (TEST MODE E 2)

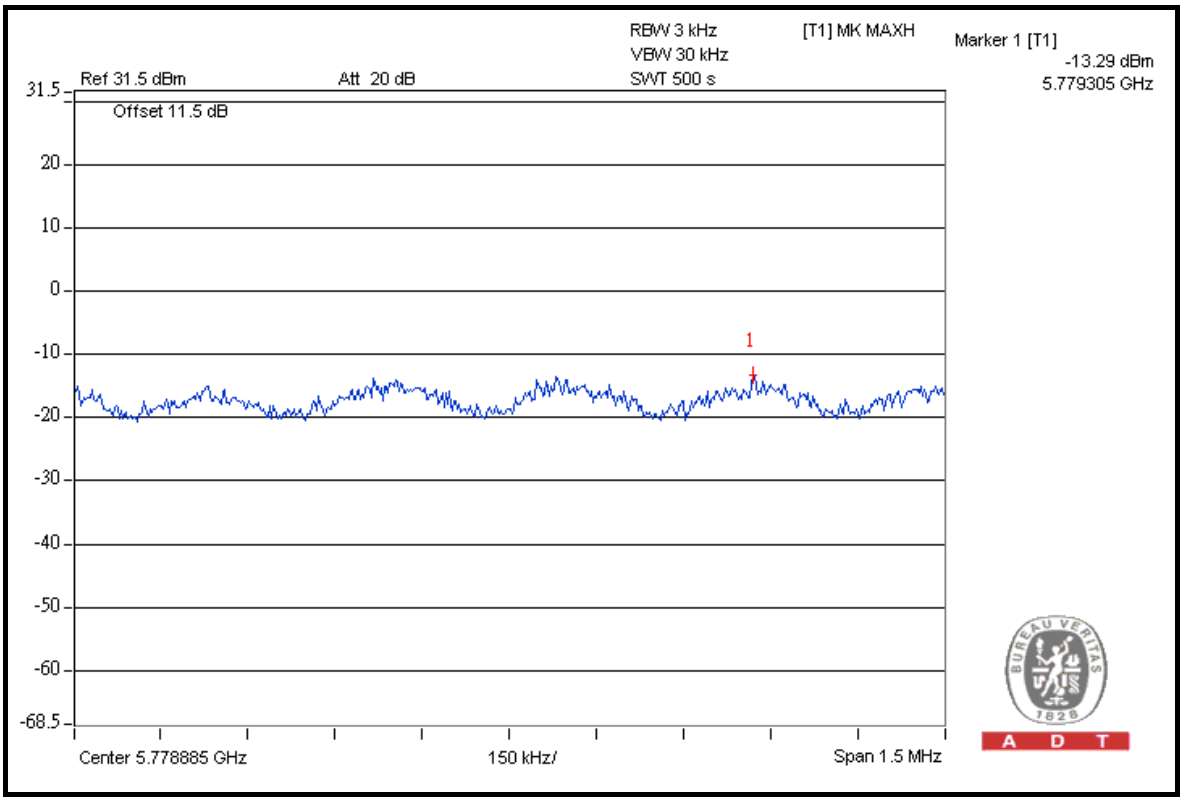
802.11a

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
149	5745	-14.7	-13.9	-13.5	-9.3	7.2	PASS
157	5785	-14.5	-13.8	-13.3	-9.1	7.2	PASS
165	5825	-15.4	-14.9	-13.8	-9.9	7.2	PASS

NOTE:

1. Antenna 5 (Model: J9659A) is not used for point to point operation.
2. Directional gain =2dBi + 10log(3)=6.77dBi > 6dBi , so the power density limit shall be reduced to 8-(6.77-6)= 7.2dBm

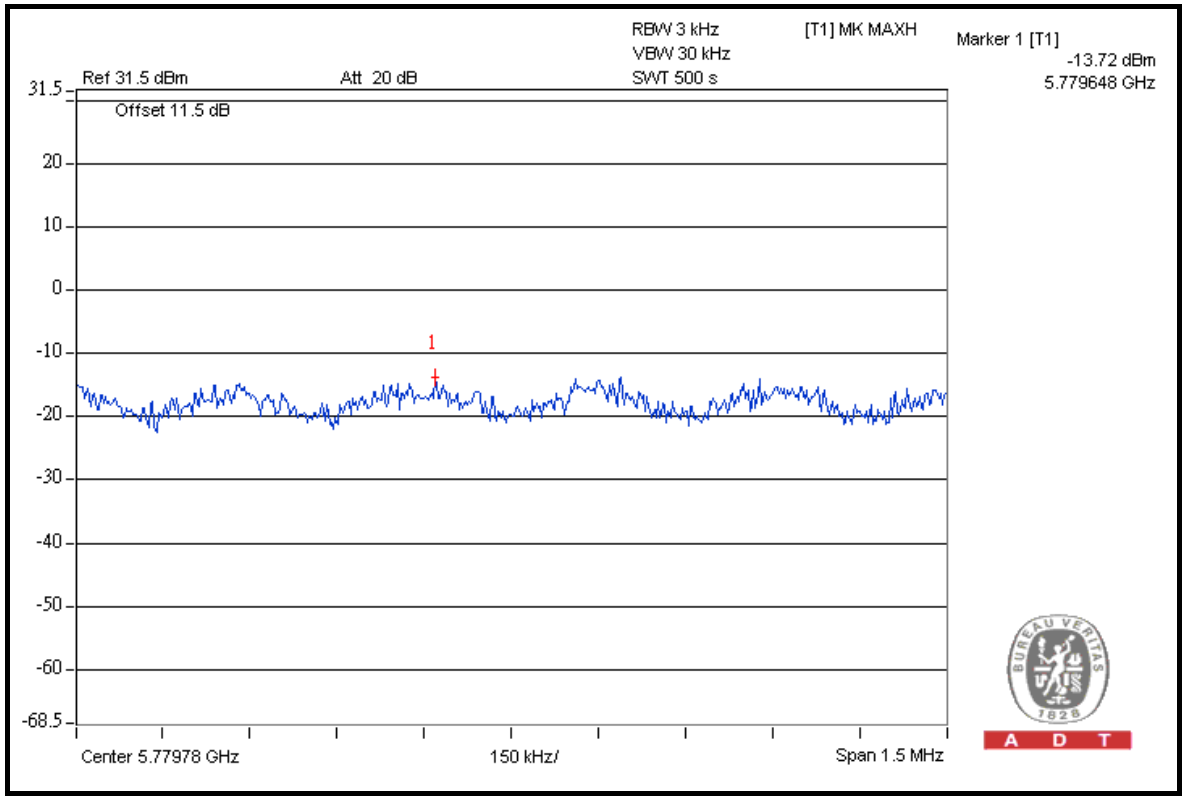
FOR CHAIN 2: CH 157



802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
149	5745	-14.1	-14.6	-13.8	-9.4	8	PASS
157	5785	-14.1	-14.9	-13.7	-9.4	8	PASS
165	5825	-14.8	-15.5	-14.2	-10.0	8	PASS

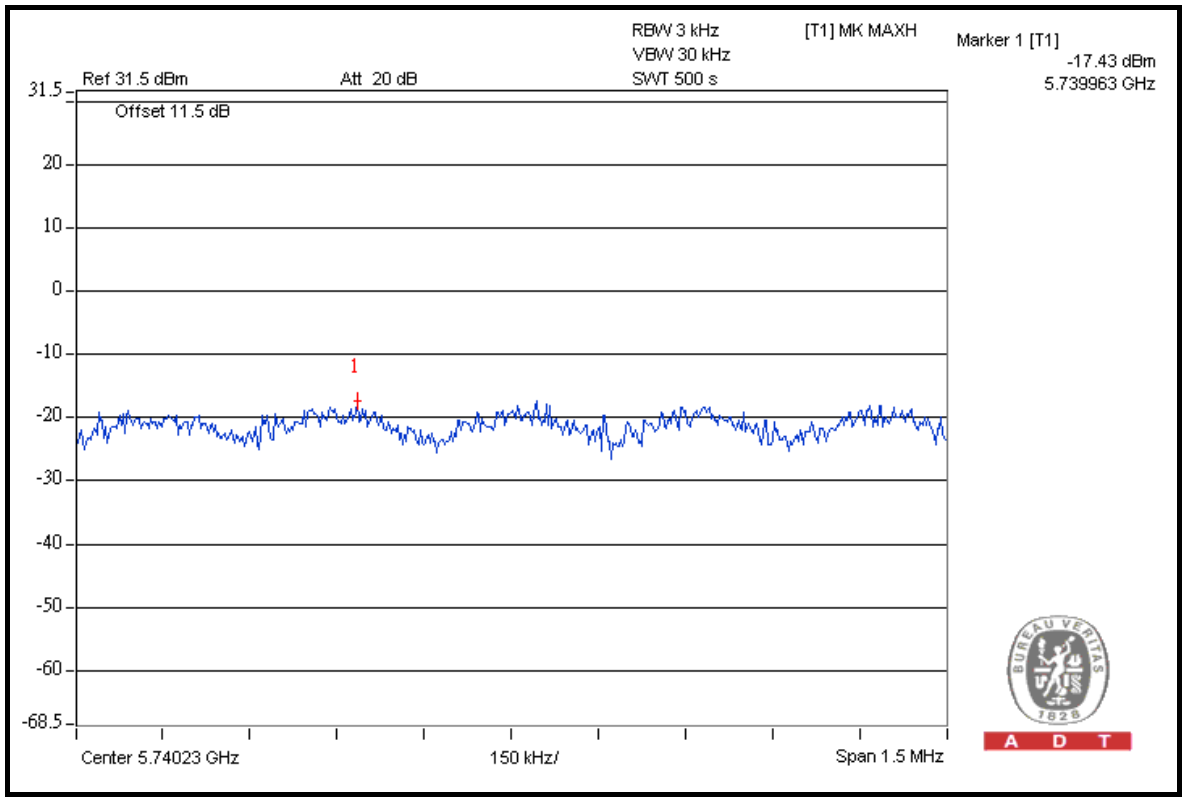
FOR CHAIN 2: CH 157



802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
151	5755	-18.1	-18.5	-17.4	-13.2	8	PASS
159	5795	-18.2	-18.3	-18.4	-13.5	8	PASS

FOR CHAIN 2: CH 151



5.6 BAND EDGES MEASUREMENT

5.6.1 LIMITS OF BAND EDGES MEASUREMENT

Below –20dB of the highest emission level of operating band (in 100kHz Resolution Bandwidth).

Note: Follow DTS measurement, If the device complies with the use of power option 2 the attenuation under this paragraph shall be 30 dB instead of 20 dB.

5.6.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver ROHDE & SCHWARZ	ESIB7	100188	Dec. 21, 2009	Dec. 20, 2010
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100269	Dec. 31, 2009	Dec. 30, 2010
BILOG Antenna SCHWARZBECK	VULB9168	9168-160	Apr. 27, 2010	Apr. 26, 2011
HORN Antenna SCHWARZBECK	9120D	9120D-405	Feb. 03, 2010	Feb. 02, 2011
HORN Antenna SCHWARZBECK	BBHA 9170	BBHA9170243	Dec. 25, 2009	Dec. 24, 2010
Preamplifier Agilent	8447D	2944A10637	Dec. 10, 2009	Dec. 09, 2010
Preamplifier Agilent	8449B	3008A01922	Sep. 24, 2010	Sep. 23, 2011
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	238141/4	May 14, 2010	May 13, 2011
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	12738/6	May 14, 2010	May 13, 2011
Software ADT.	ADT_Radiated_ V7.6.15.9.2	NA	NA	NA
Antenna Tower inn-co GmbH	MA 4000	013303	NA	NA
Antenna Tower Controller inn-co GmbH	CO2000	017303	NA	NA
Turn Table ADT.	TT100.	TT93021703	NA	NA
Turn Table Controller ADT.	SC100.	SC93021703	NA	NA

NOTE: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

5.6.3 TEST PROCEDURE

The transmitter output was connected to the spectrum analyzer via a low lose cable. Set both RBW and VBW of spectrum analyzer to 100kHz and 300kHz with suitable frequency span including 100MHz bandwidth from band edge. The band edges was measured and recorded.

The spectrum plots (Peak RBW = 100kHz, VBW = 300kHz; Average RBW = 1MHz, VBW = 10Hz) are attached on the following pages.

5.6.4 DEVIATION FROM TEST STANDARD

No deviation

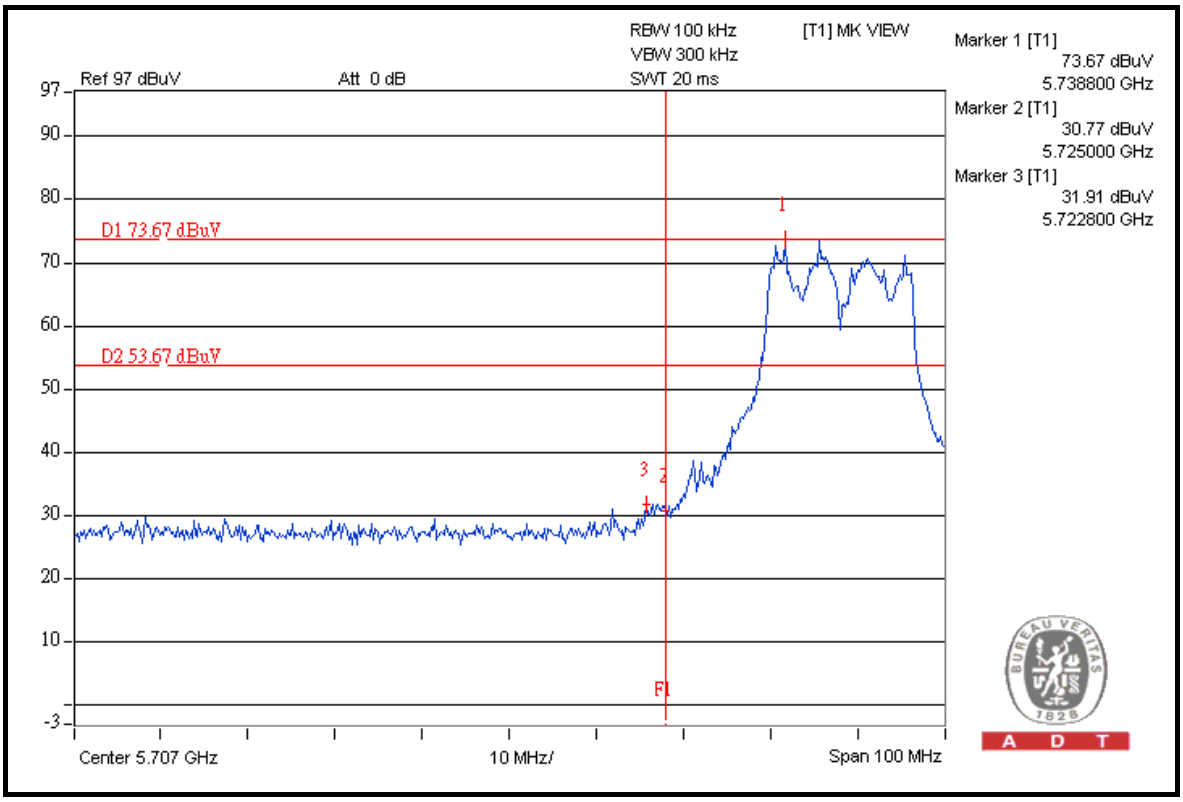
5.6.5 EUT OPERATING CONDITION

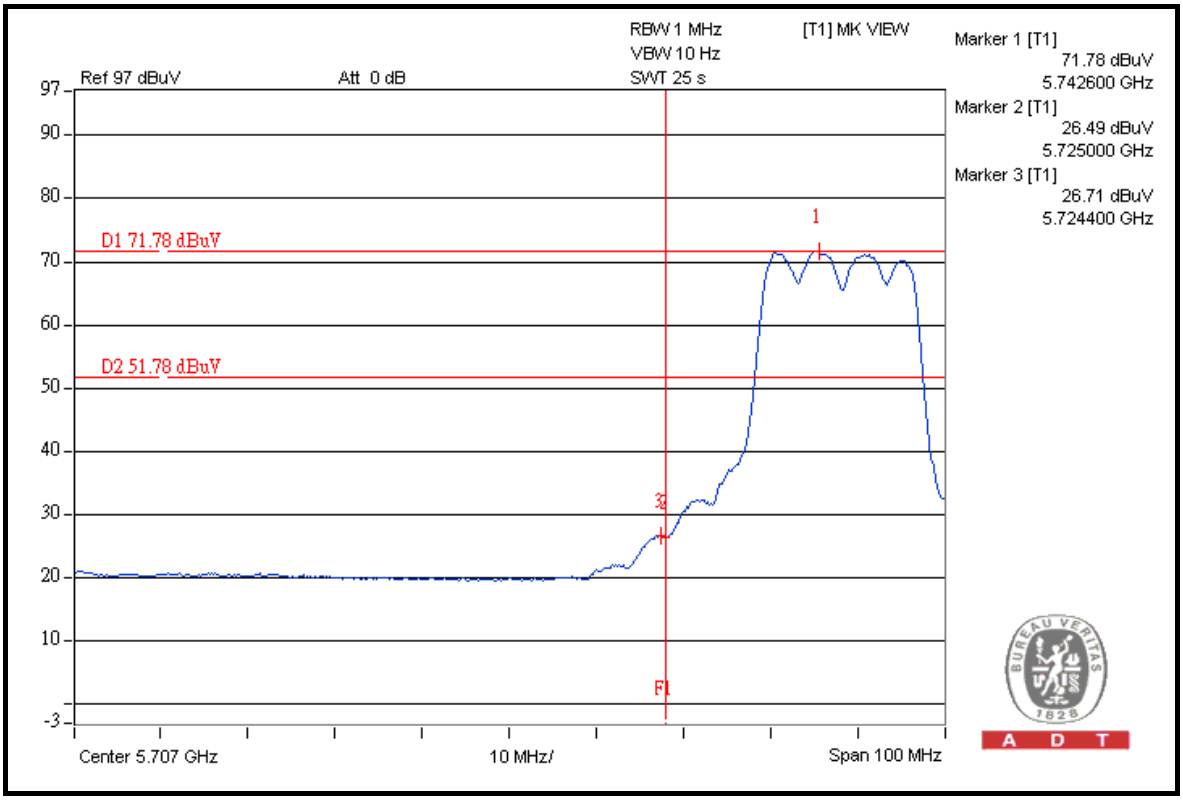
Same as Item 5.3.6

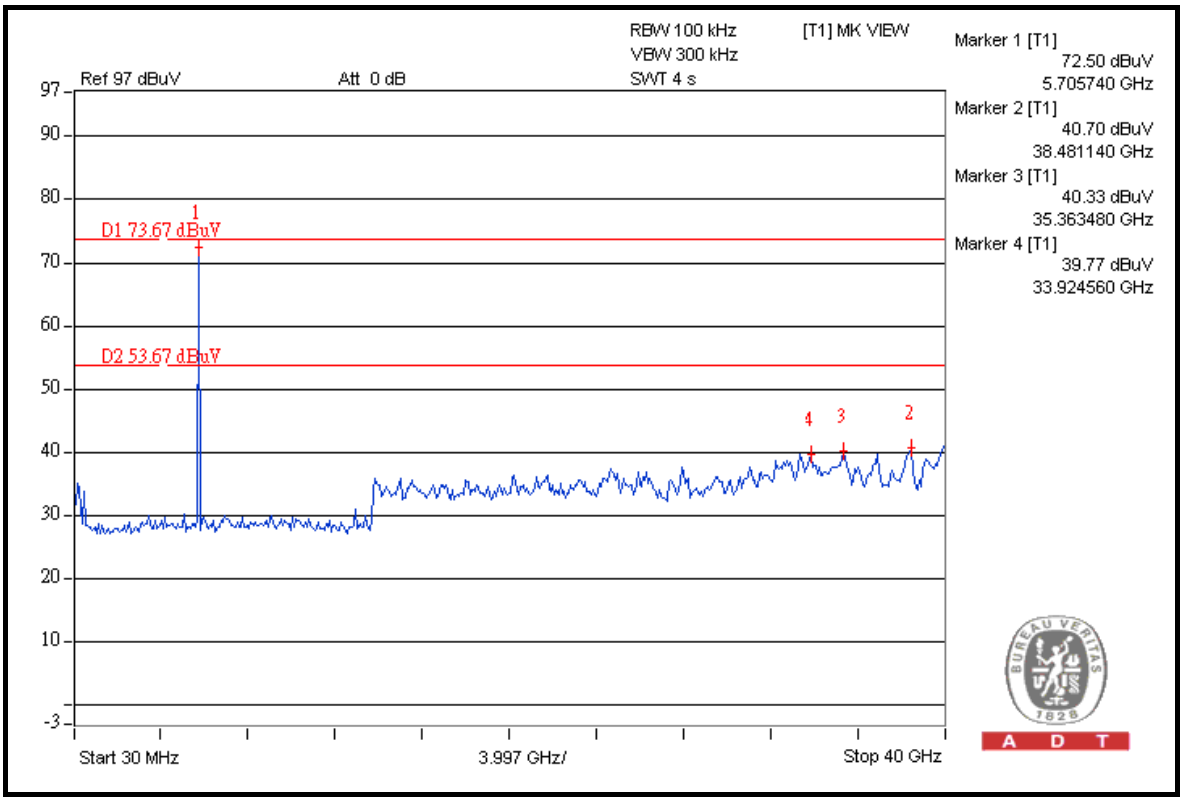
5.6.6 TEST RESULTS (TEST MODE A 1)

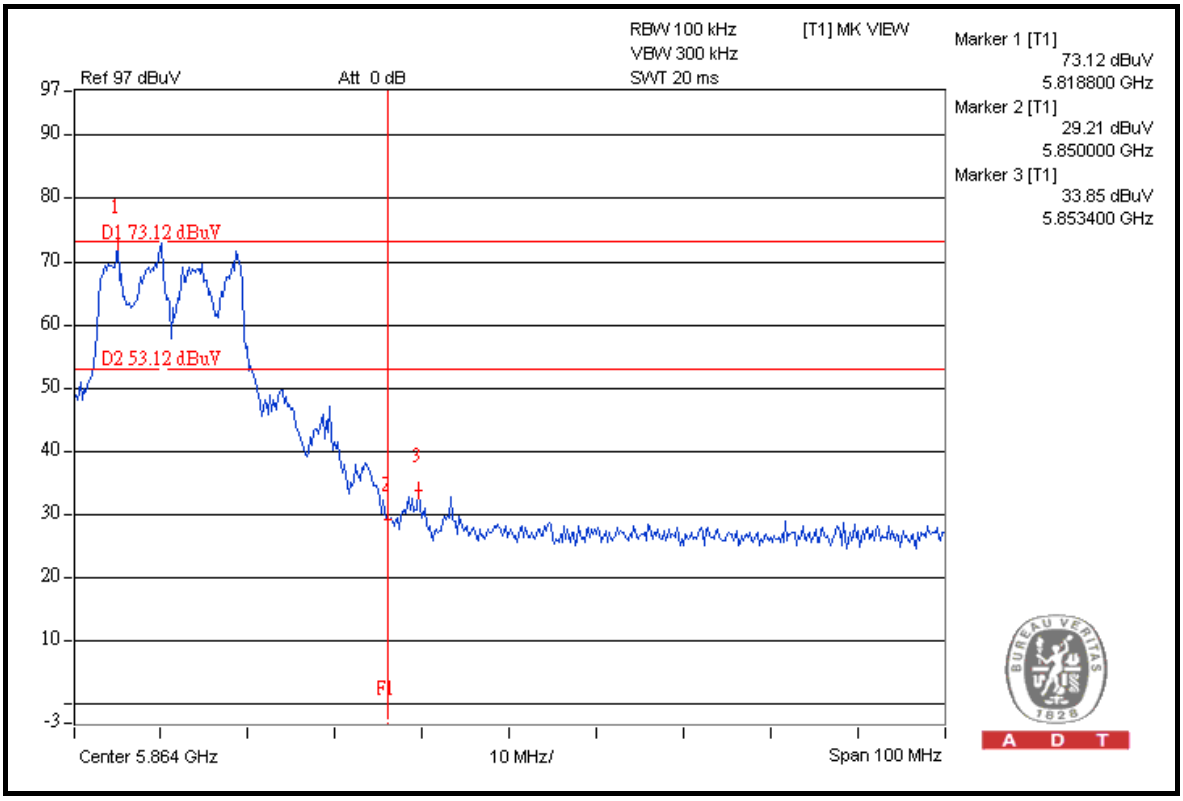
The spectrum plots are attached on the following pages. D1 line indicates the highest level, D2 line indicates the 20dB offset below D1. It shows compliance with the requirement in part 15.247(d).

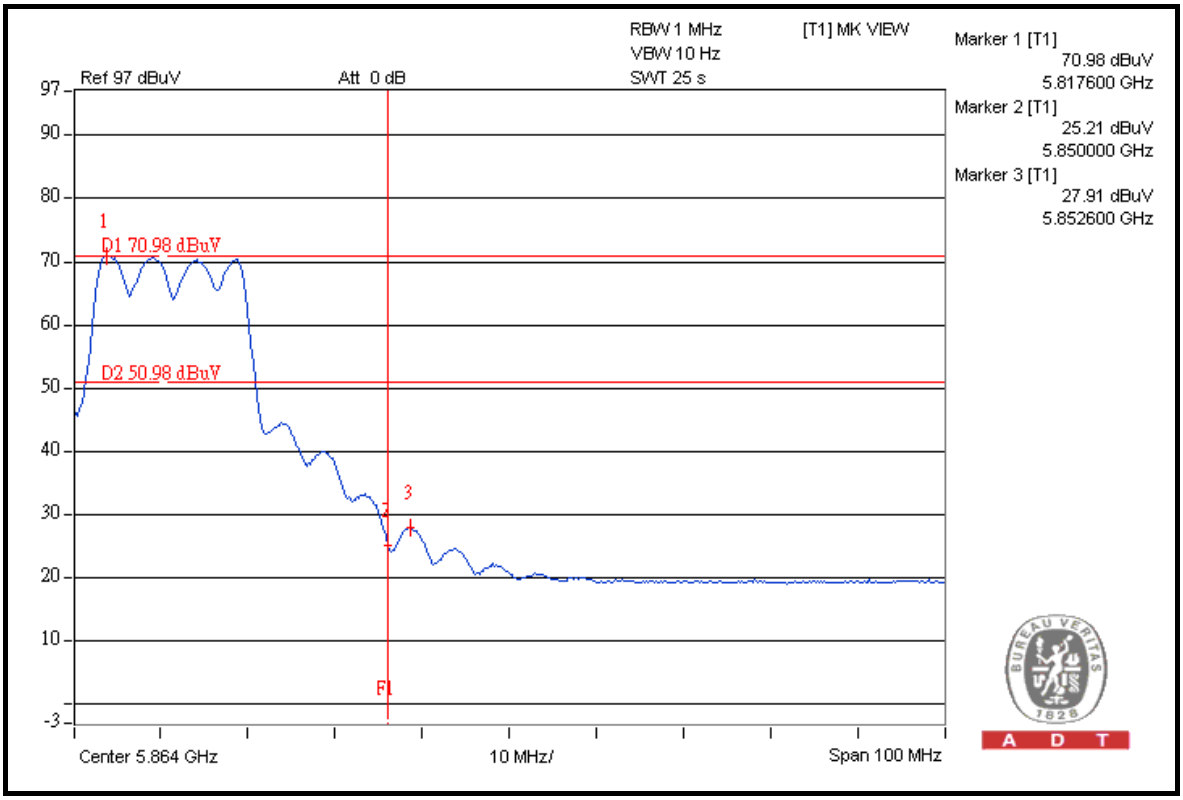
802.11a

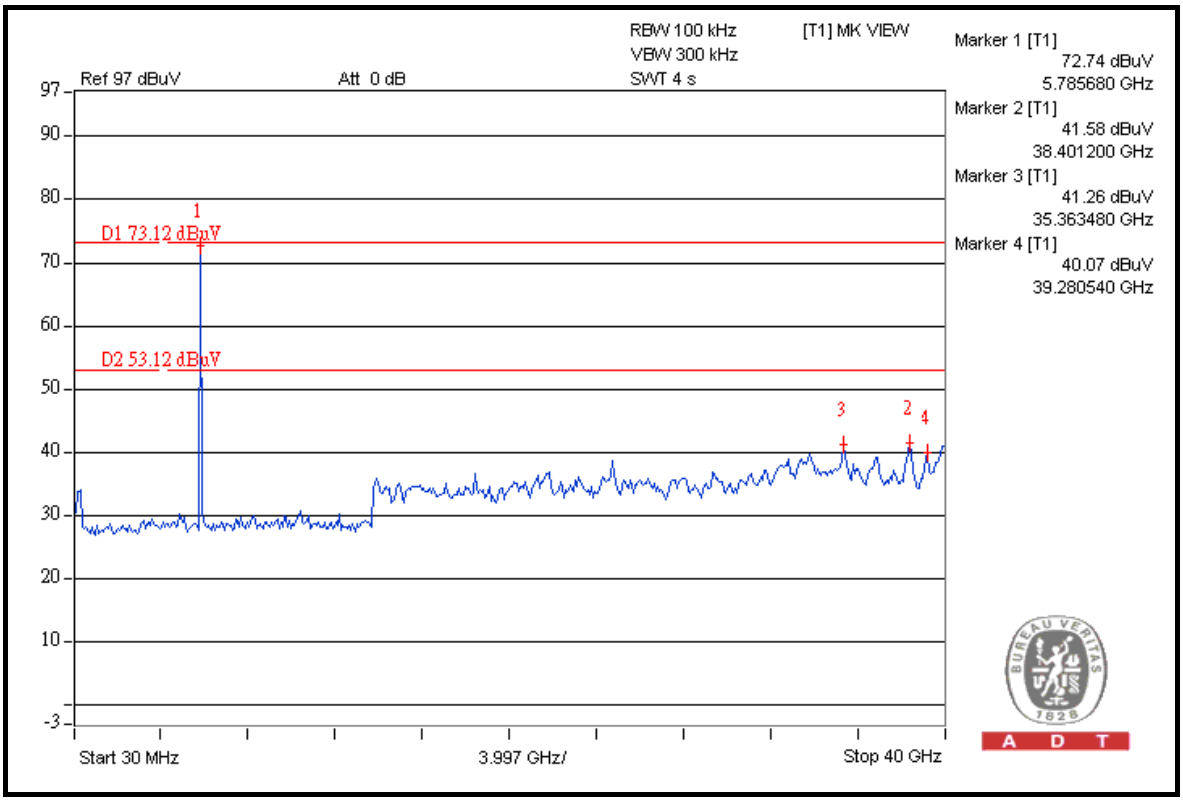

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
73.67 dBuV
5.738800 GHz
Marker 2 [T1]
30.77 dBuV
5.725000 GHz
Marker 3 [T1]
31.91 dBuV
5.722800 GHz
D1 73.67 dBuV
D2 53.67 dBuV
Center 5.707 GHz
10 MHz/
Span 100 MHz


RBW 1 MHz
VBW 10 Hz
SWT 25 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
71.78 dBuV
5.742600 GHz
Marker 2 [T1]
26.49 dBuV
5.725000 GHz
Marker 3 [T1]
26.71 dBuV
5.724400 GHz
D1 71.78 dBuV
D2 51.78 dBuV
Center 5.707 GHz
10 MHz/
Span 100 MHz

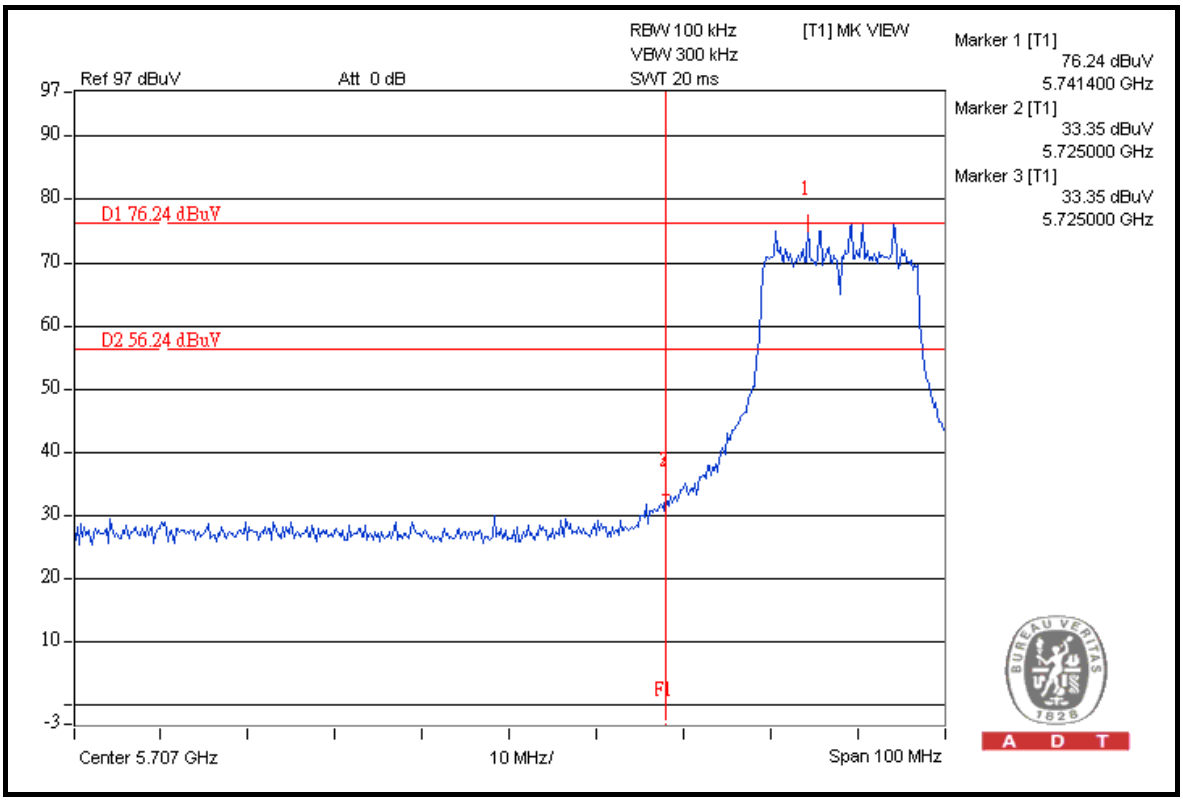

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 73.67 dBuV
D2 53.67 dBuV
Marker 1 [T1]
72.50 dBuV
5.705740 GHz
Marker 2 [T1]
40.70 dBuV
38.481140 GHz
Marker 3 [T1]
40.33 dBuV
35.363480 GHz
Marker 4 [T1]
39.77 dBuV
33.924560 GHz
Start 30 MHz
3.997 GHz/
Stop 40 GHz

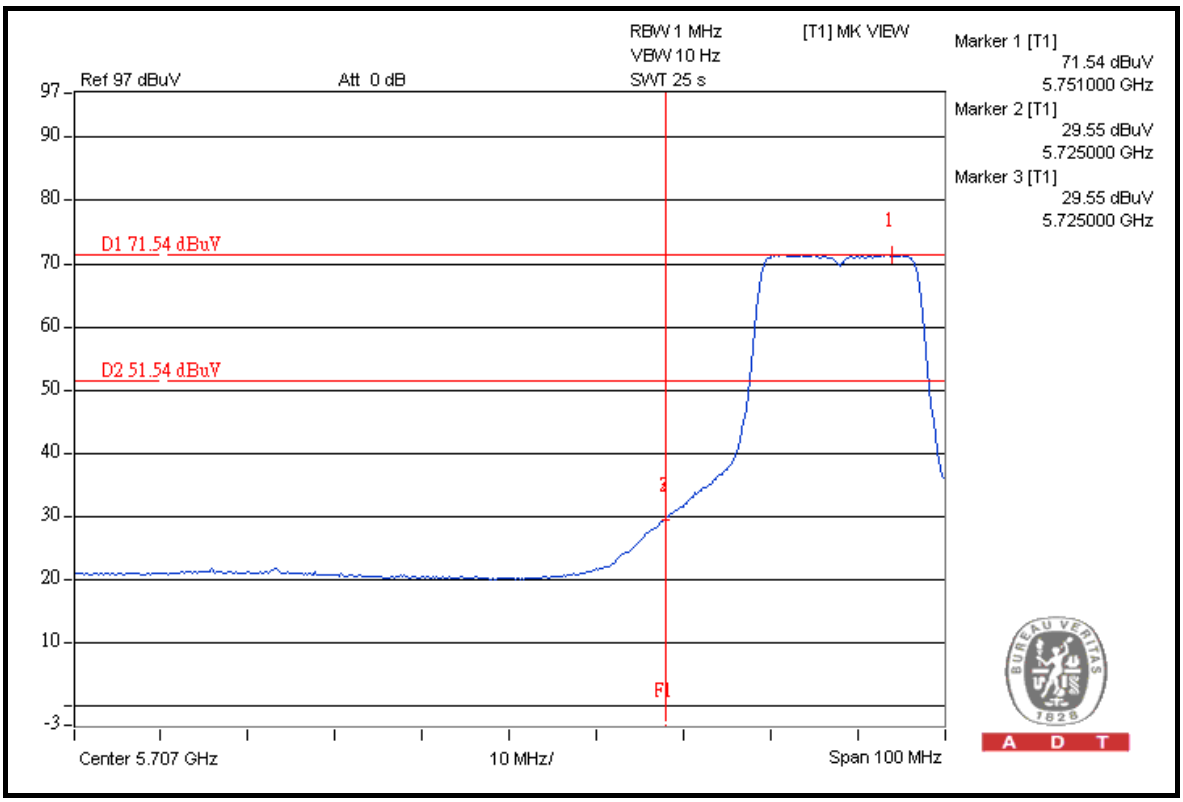

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 73.12 dBuV
D2 53.12 dBuV
Marker 1 [T1]
73.12 dBuV
5.818800 GHz
Marker 2 [T1]
29.21 dBuV
5.850000 GHz
Marker 3 [T1]
33.85 dBuV
5.853400 GHz
Center 5.864 GHz
10 MHz/
Span 100 MHz

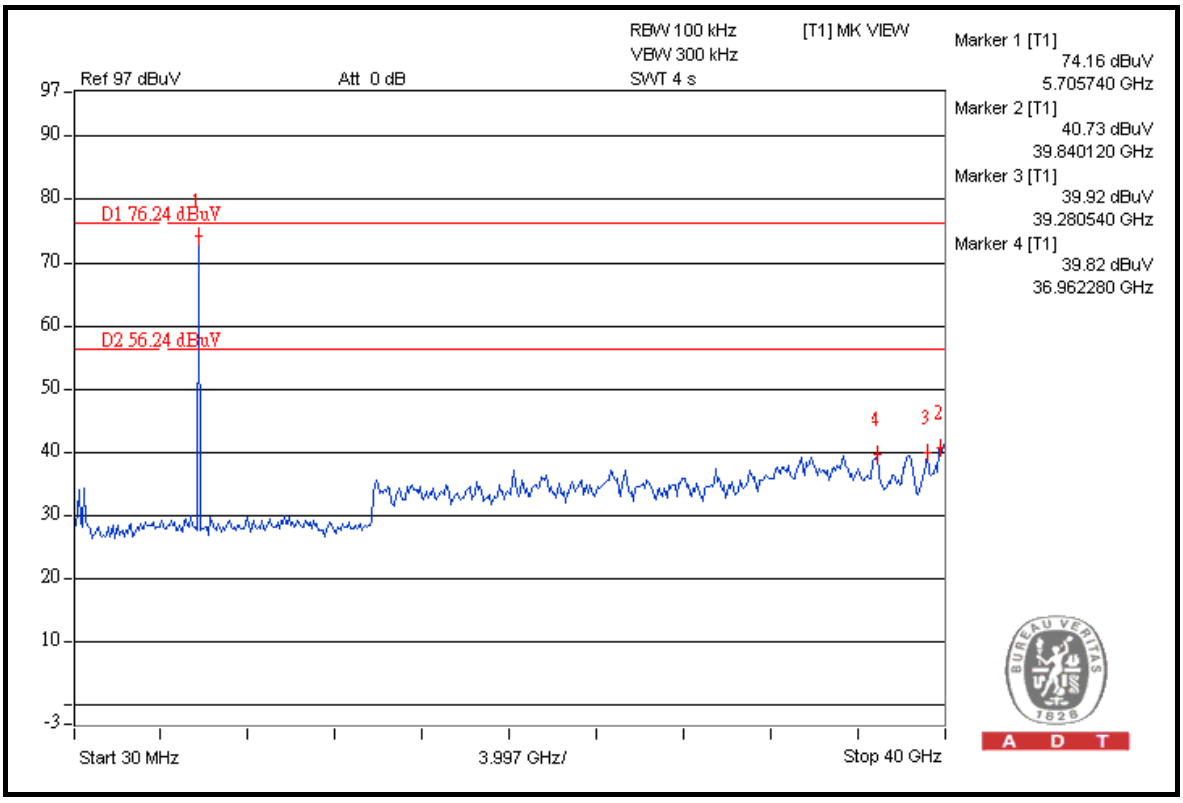

RBW 1 MHz
VBW 10 Hz
SWT 25 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
70.98 dBuV
5.817600 GHz
Marker 2 [T1]
25.21 dBuV
5.850000 GHz
Marker 3 [T1]
27.91 dBuV
5.852600 GHz
D1 70.98 dBuV
D2 50.98 dBuV
Center 5.864 GHz
10 MHz/
Span 100 MHz

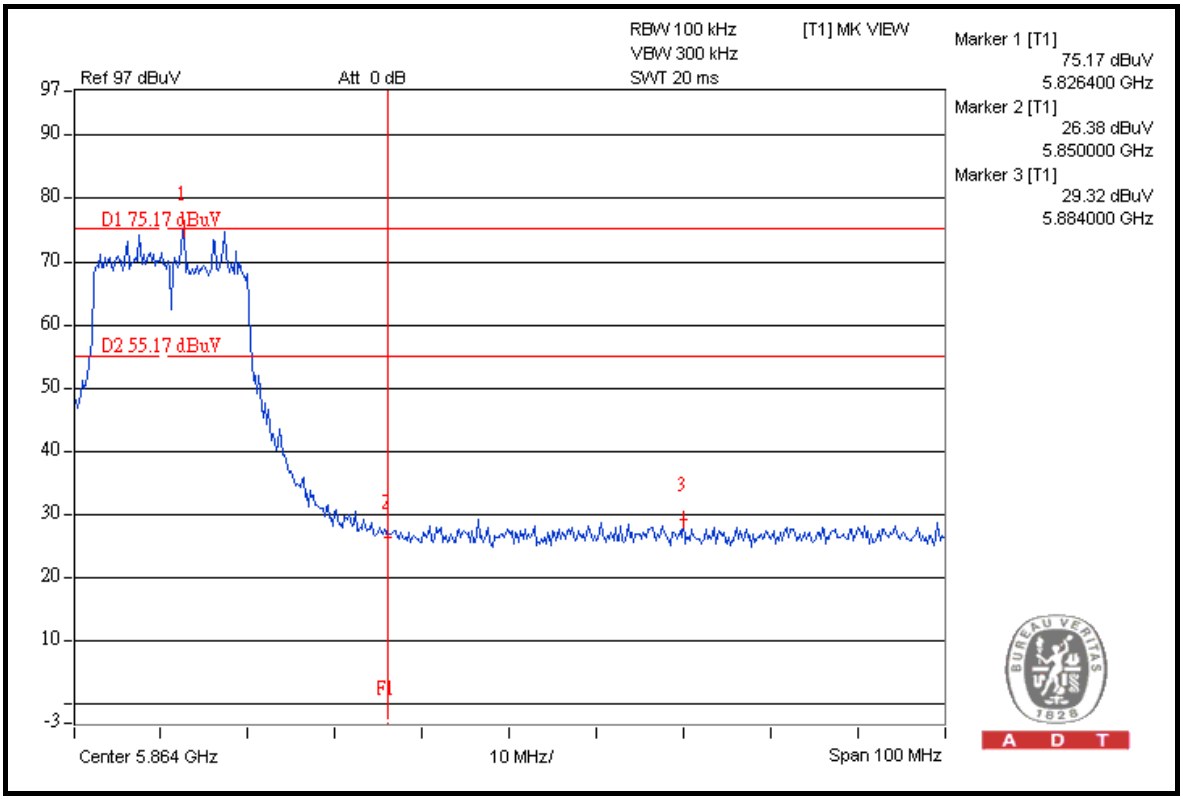

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
72.74 dBuV
5.785680 GHz
Marker 2 [T1]
41.58 dBuV
38.401200 GHz
Marker 3 [T1]
41.26 dBuV
35.363480 GHz
Marker 4 [T1]
40.07 dBuV
39.280540 GHz
D1 73.12 dBuV
D2 53.12 dBuV
Start 30 MHz
3.997 GHz/
Stop 40 GHz

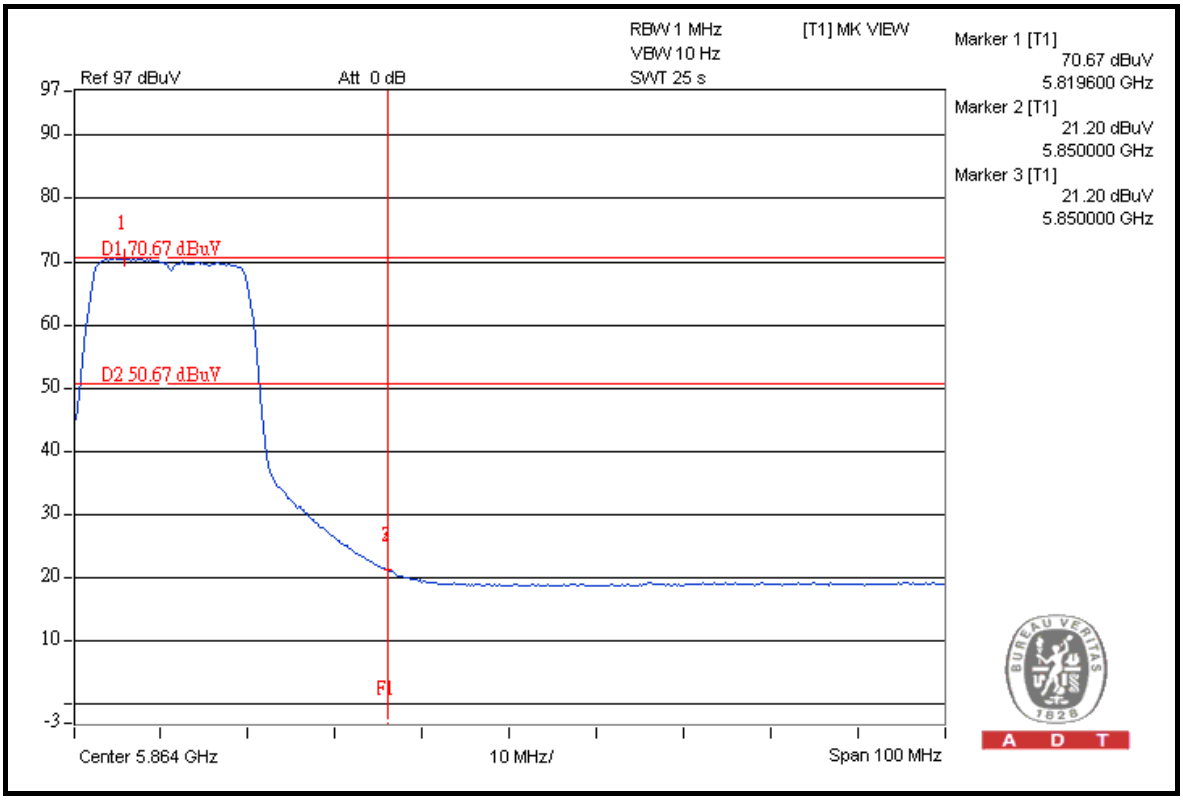
802.11n (20MHz)

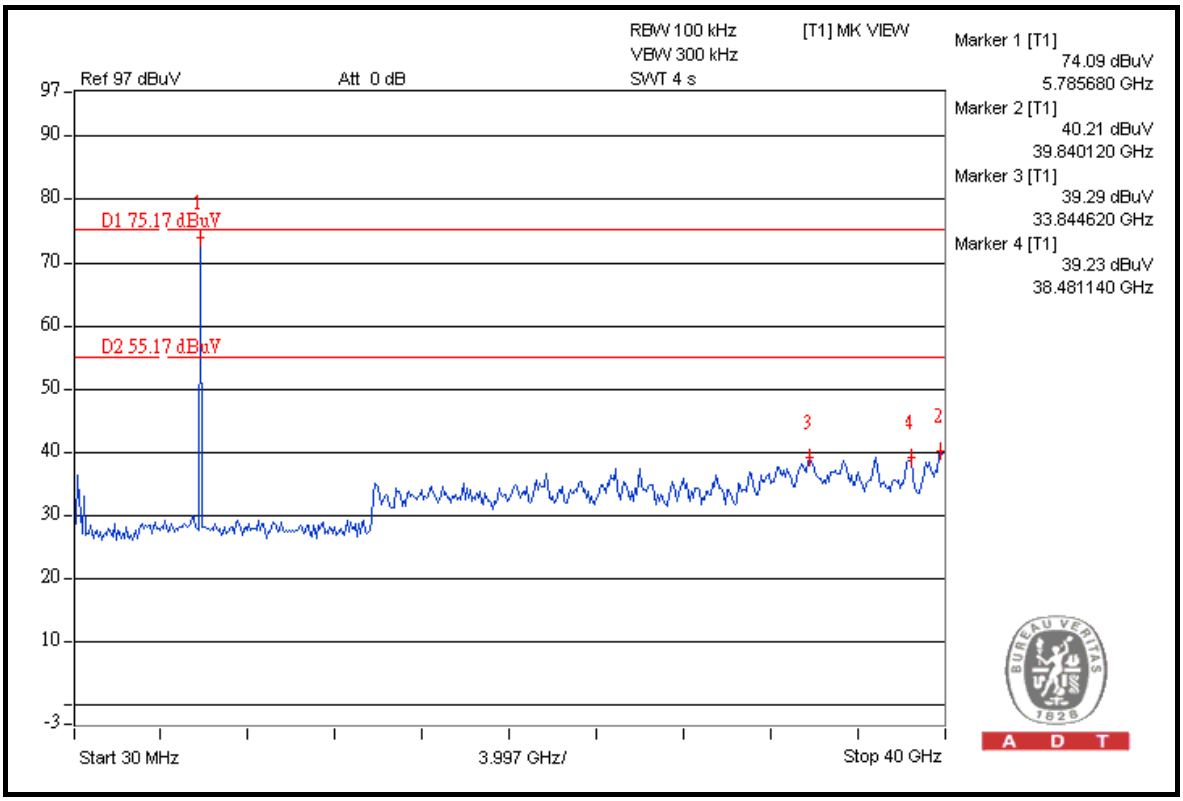




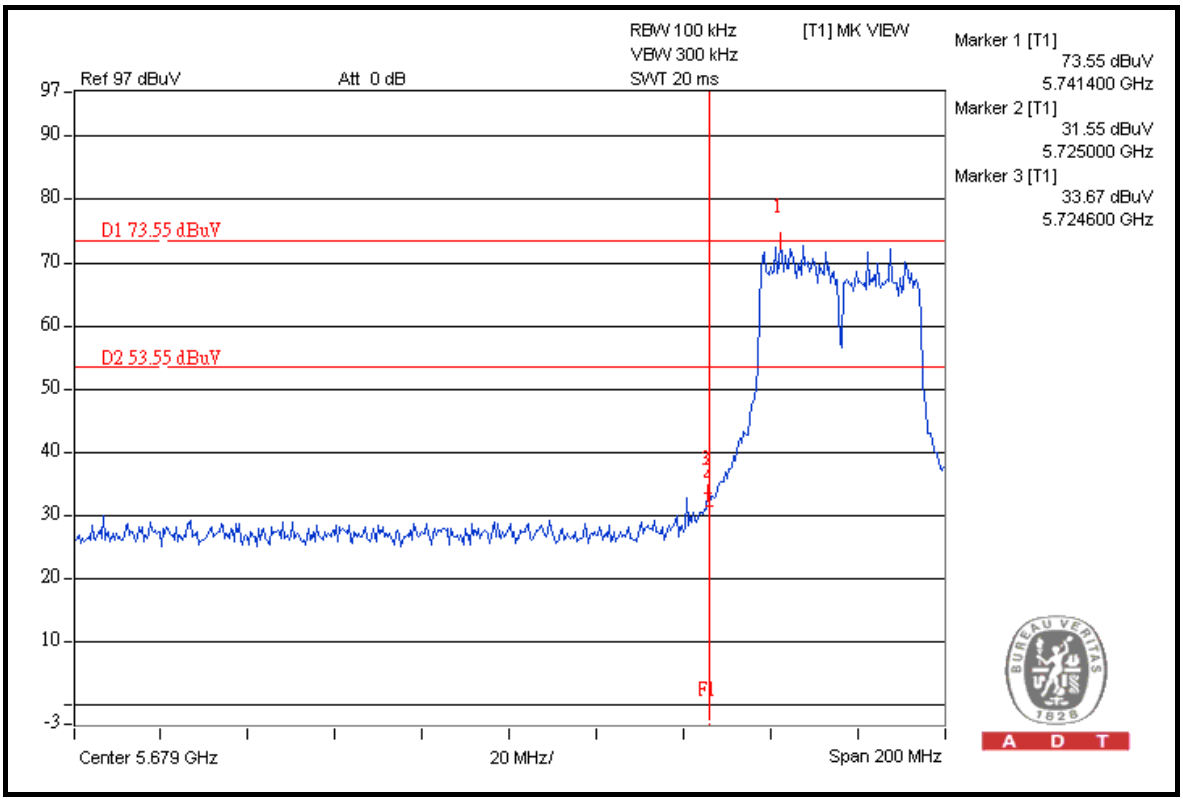

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 76.24 dBuV
D2 56.24 dBuV
Marker 1 [T1]
74.16 dBuV
5.705740 GHz
Marker 2 [T1]
40.73 dBuV
39.840120 GHz
Marker 3 [T1]
39.92 dBuV
39.280540 GHz
Marker 4 [T1]
39.82 dBuV
36.962280 GHz
Start 30 MHz
3.997 GHz/
Stop 40 GHz

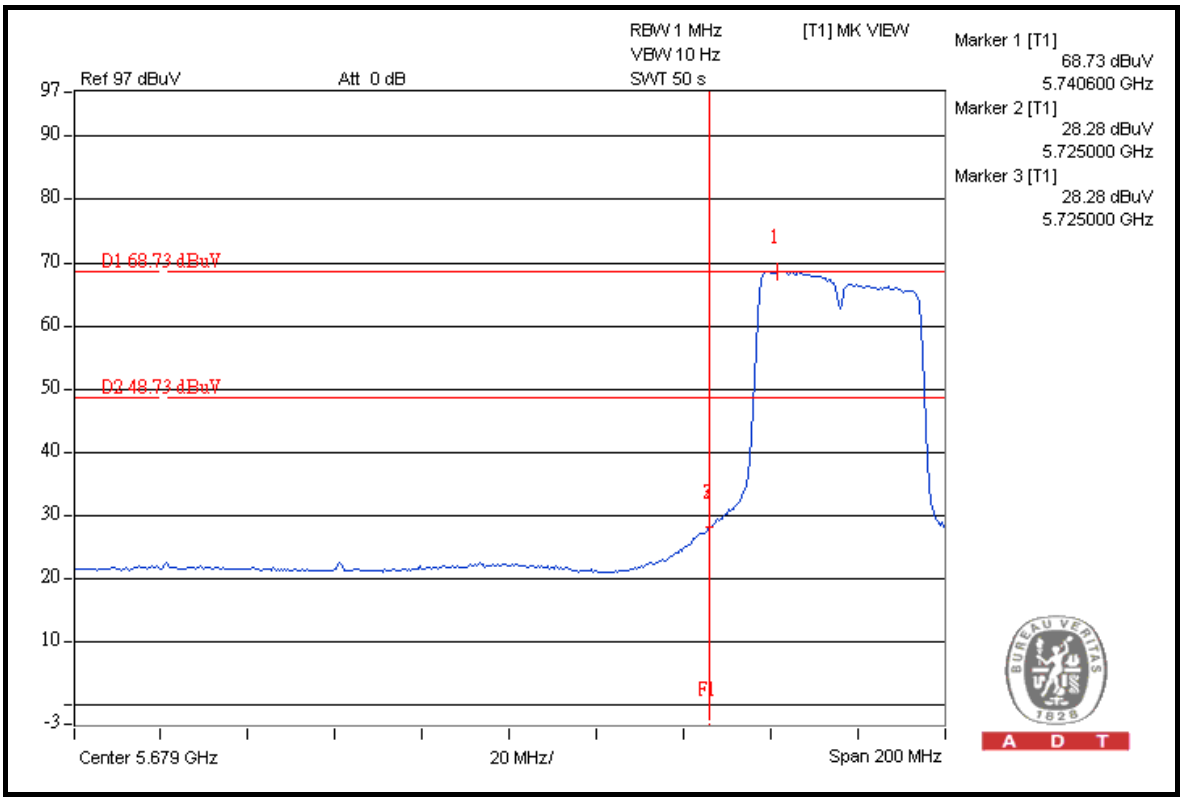

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 75.17 dBuV
D2 55.17 dBuV
Marker 1 [T1]
75.17 dBuV
5.826400 GHz
Marker 2 [T1]
26.38 dBuV
5.850000 GHz
Marker 3 [T1]
29.32 dBuV
5.884000 GHz
Center 5.864 GHz
10 MHz/
Span 100 MHz

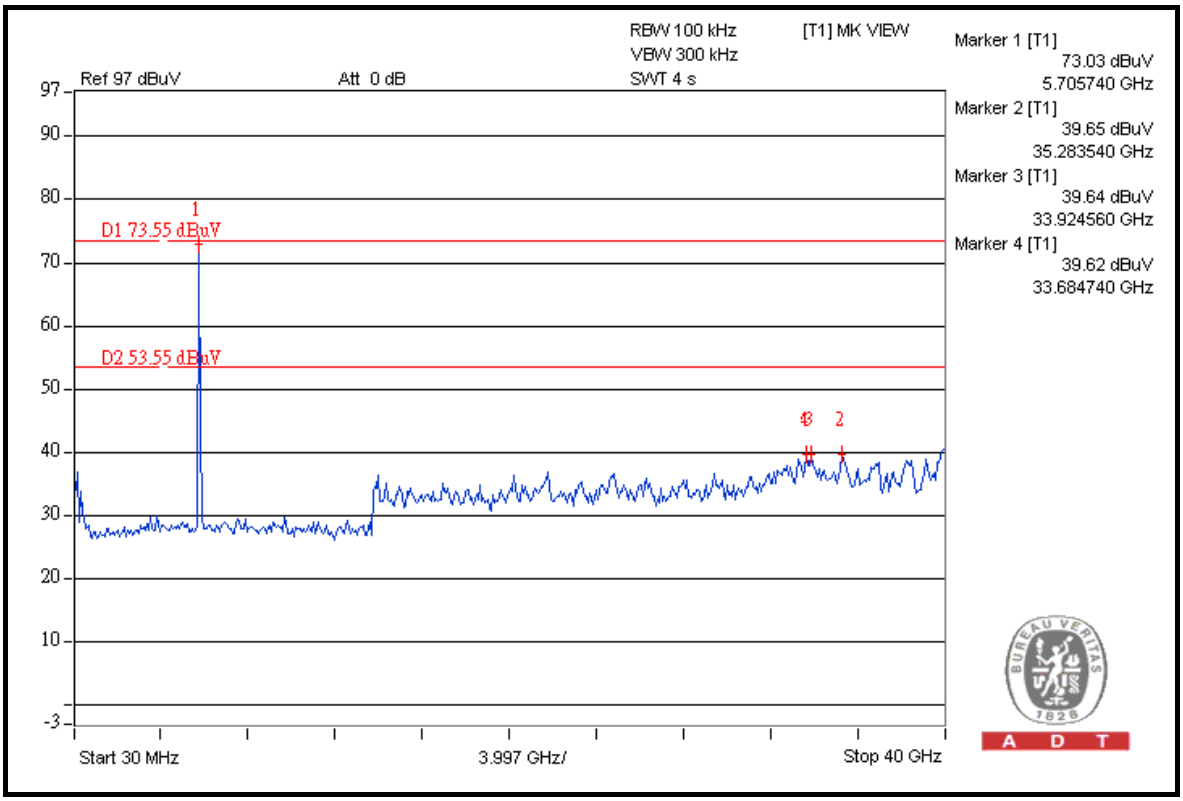

RBW 1 MHz
VBW 10 Hz
SWT 25 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
70.67 dBuV
5.819600 GHz
Marker 2 [T1]
21.20 dBuV
5.850000 GHz
Marker 3 [T1]
21.20 dBuV
5.850000 GHz
D1 70.67 dBuV
D2 50.67 dBuV
Center 5.864 GHz
10 MHz/
Span 100 MHz

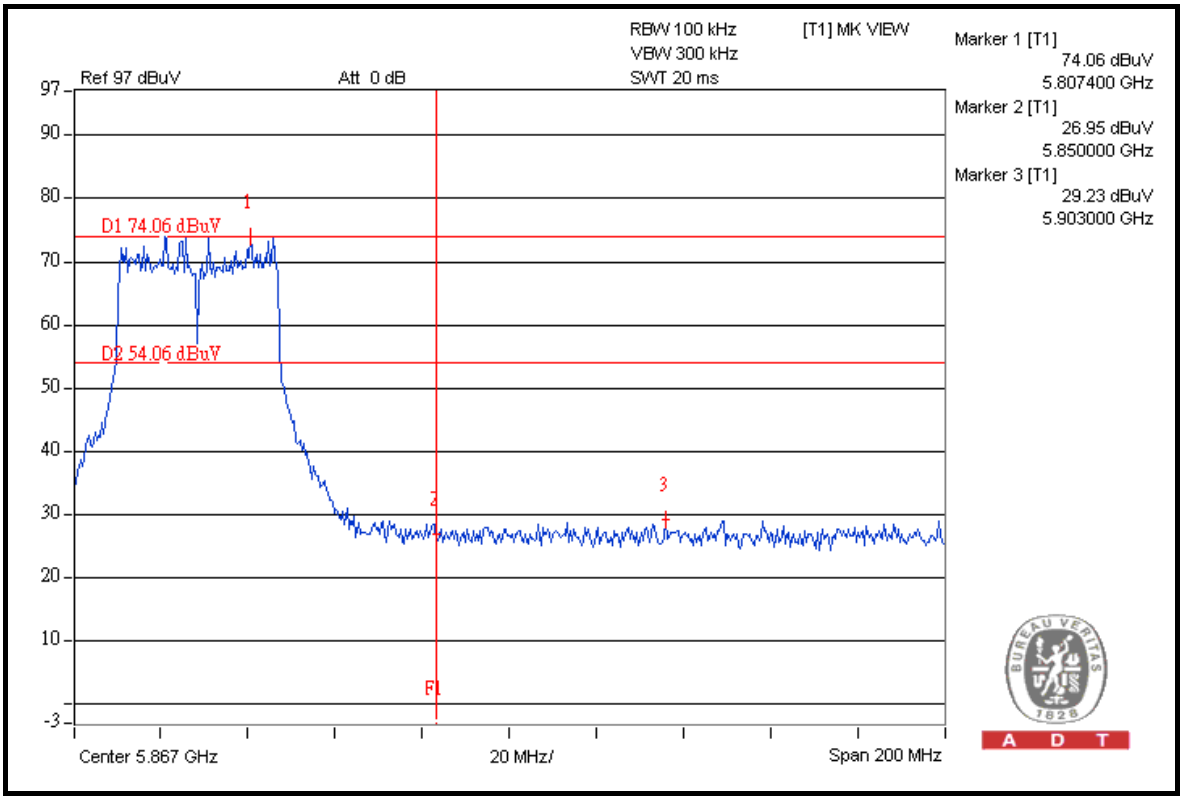

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
74.09 dBuV
5.785680 GHz
Marker 2 [T1]
40.21 dBuV
39.840120 GHz
Marker 3 [T1]
39.29 dBuV
33.844620 GHz
Marker 4 [T1]
39.23 dBuV
38.481140 GHz
D1 75.17 dBuV
D2 55.17 dBuV
Start 30 MHz
3.997 GHz/
Stop 40 GHz

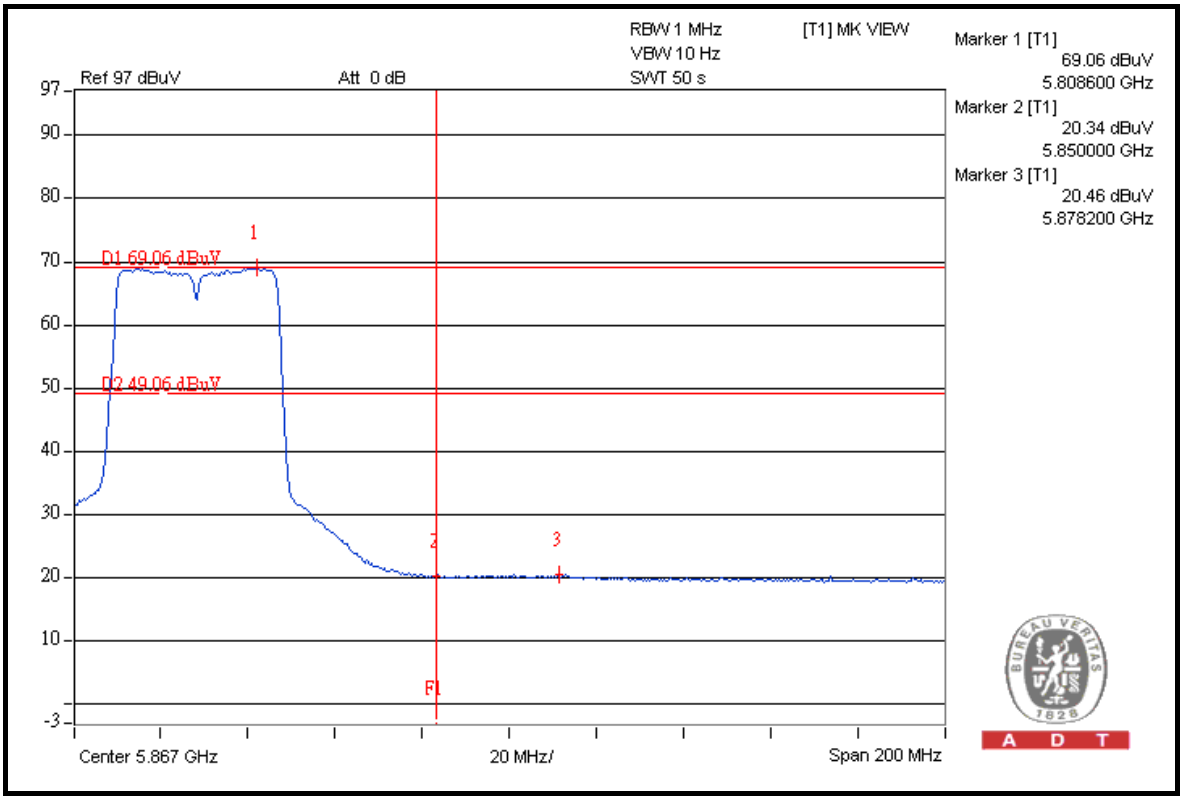
802.11n (40MHz)

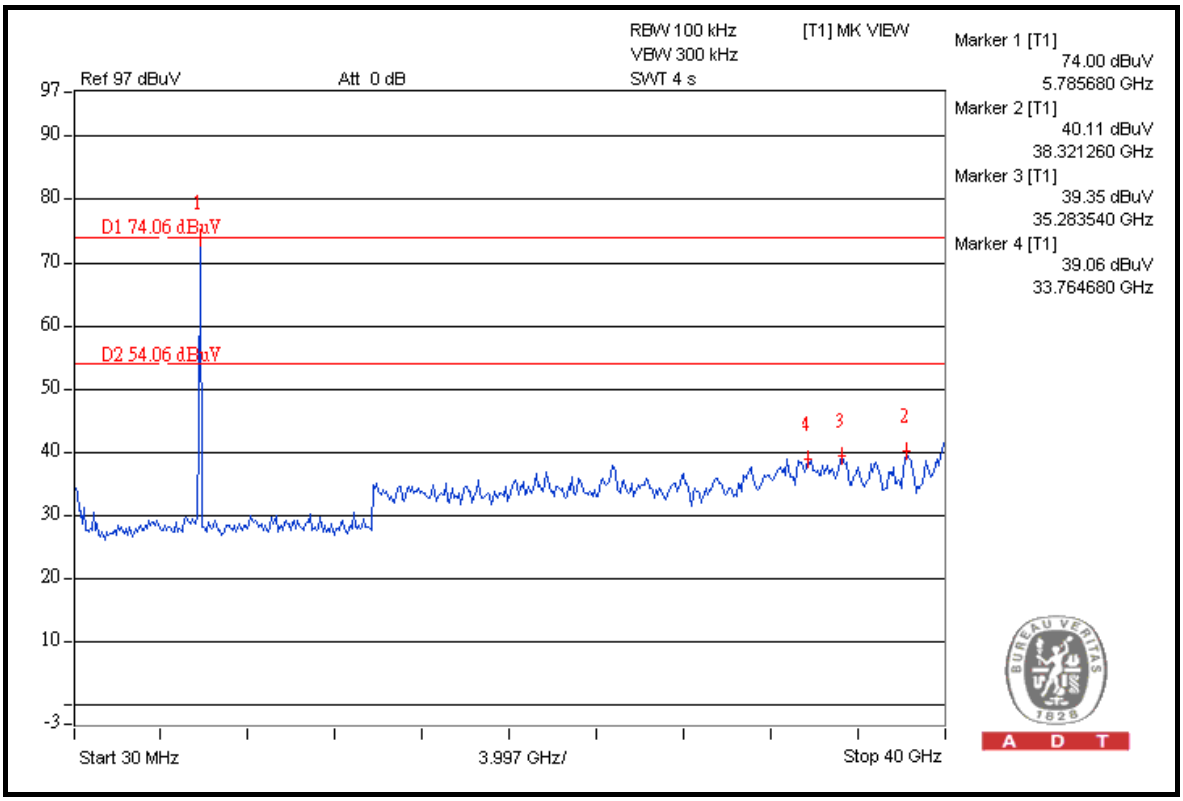





RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 73.55 dBuV
D2 53.55 dBuV
Marker 1 [T1]
73.03 dBuV
5.705740 GHz
Marker 2 [T1]
39.65 dBuV
35.283540 GHz
Marker 3 [T1]
39.64 dBuV
33.924560 GHz
Marker 4 [T1]
39.62 dBuV
33.684740 GHz
Start 30 MHz
3.997 GHz/
Stop 40 GHz


RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 74.06 dBuV
D2 54.06 dBuV
Marker 1 [T1]
74.06 dBuV
5.807400 GHz
Marker 2 [T1]
26.95 dBuV
5.850000 GHz
Marker 3 [T1]
29.23 dBuV
5.903000 GHz
Center 5.867 GHz
20 MHz/
Span 200 MHz

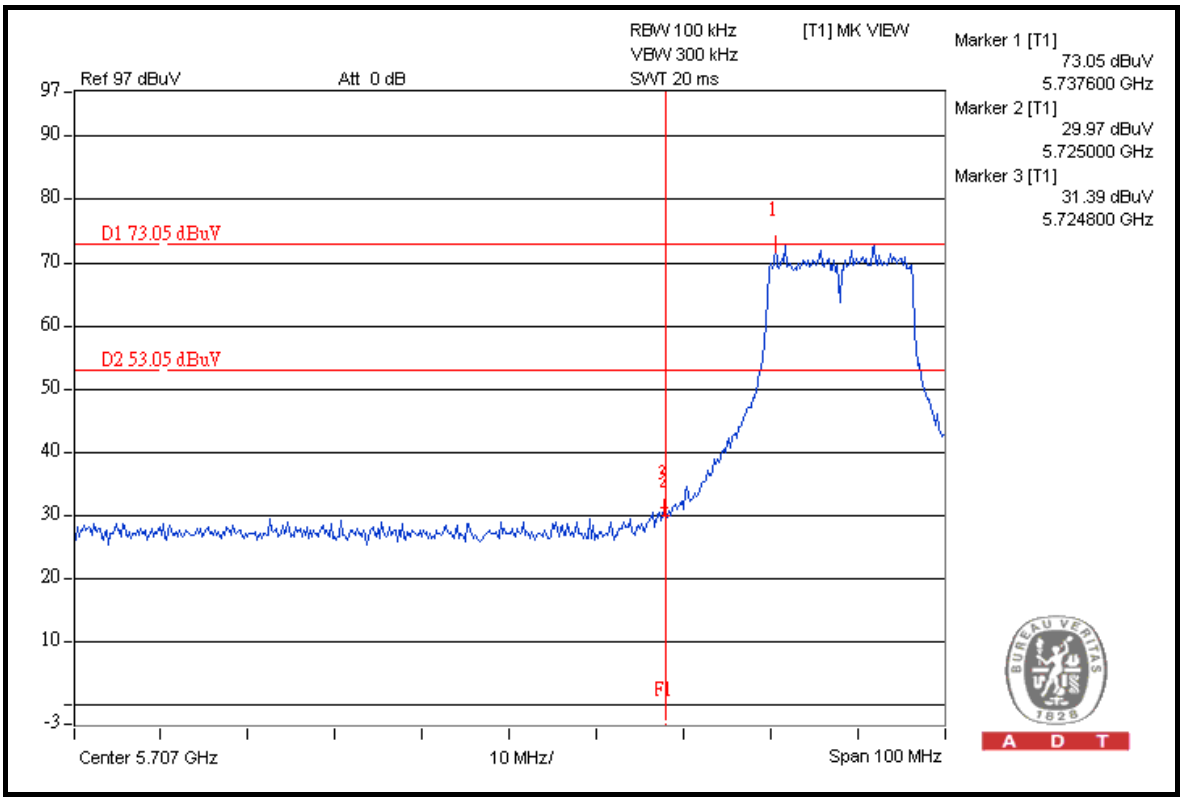

RBW 1 MHz
VBW 10 Hz
SWT 50 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
69.06 dBuV
5.808600 GHz
Marker 2 [T1]
20.34 dBuV
5.850000 GHz
Marker 3 [T1]
20.46 dBuV
5.878200 GHz
D1 69.06 dBuV
D2 49.06 dBuV
Center 5.867 GHz
20 MHz/
Span 200 MHz

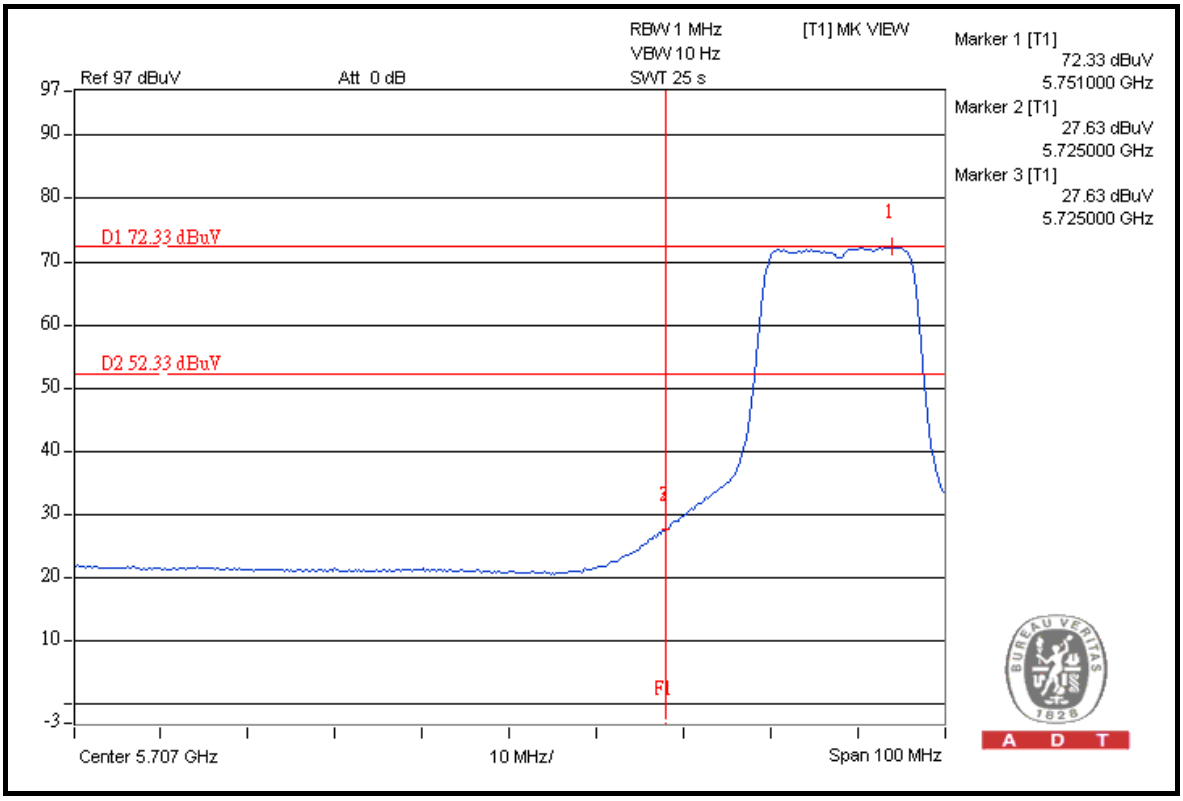

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
74.00 dBuV
5.785680 GHz
Marker 2 [T1]
40.11 dBuV
38.321260 GHz
Marker 3 [T1]
39.35 dBuV
35.283540 GHz
Marker 4 [T1]
39.06 dBuV
33.764680 GHz
D1 74.06 dBuV
D2 54.06 dBuV
Start 30 MHz
3.997 GHz/
Stop 40 GHz

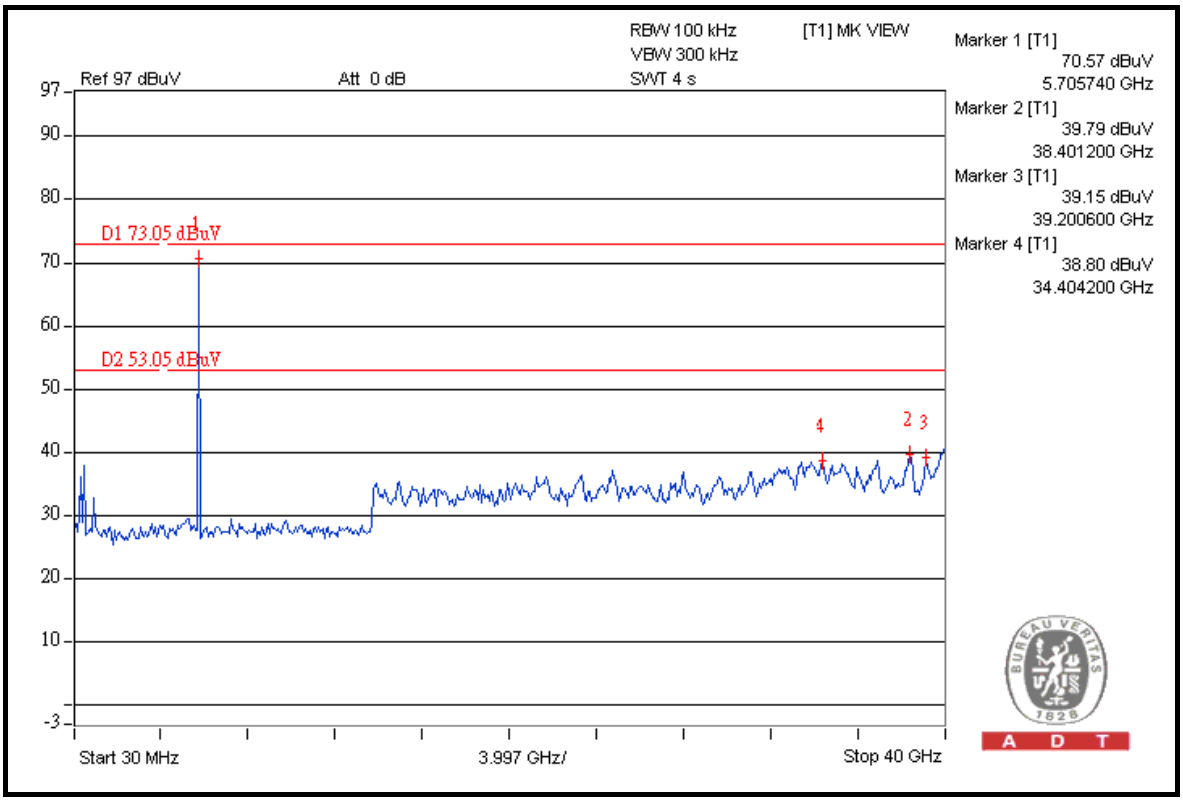
5.6.7 TEST RESULTS (TEST MODE A 2)

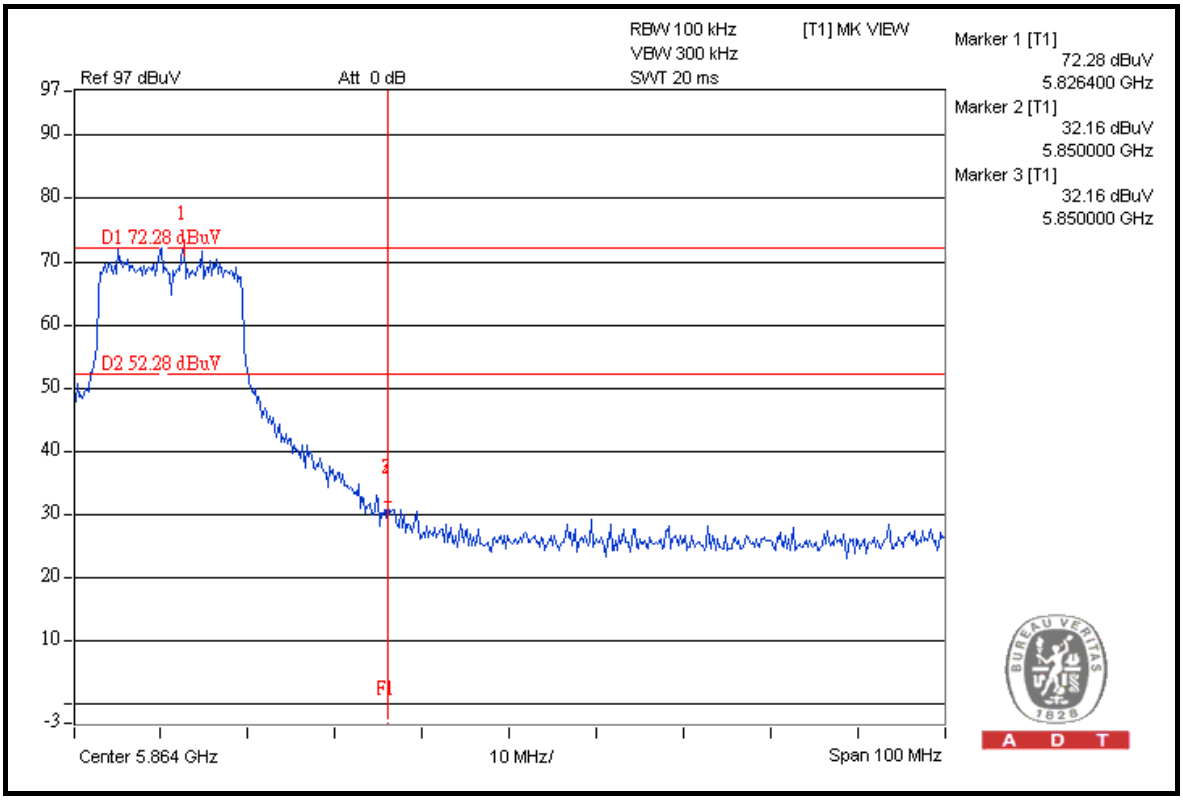
The spectrum plots are attached on the following pages. D1 line indicates the highest level, D2 line indicates the 20dB offset below D1. It shows compliance with the requirement in part 15.247(d).

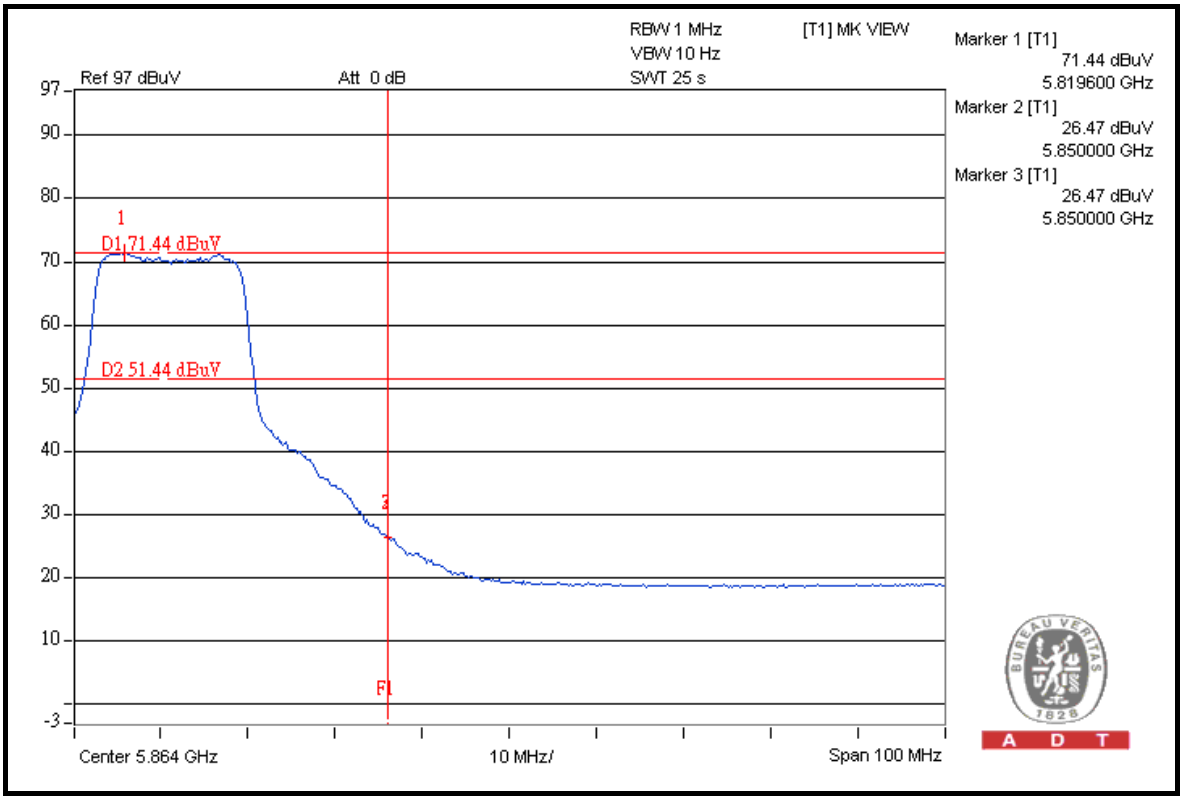
802.11a

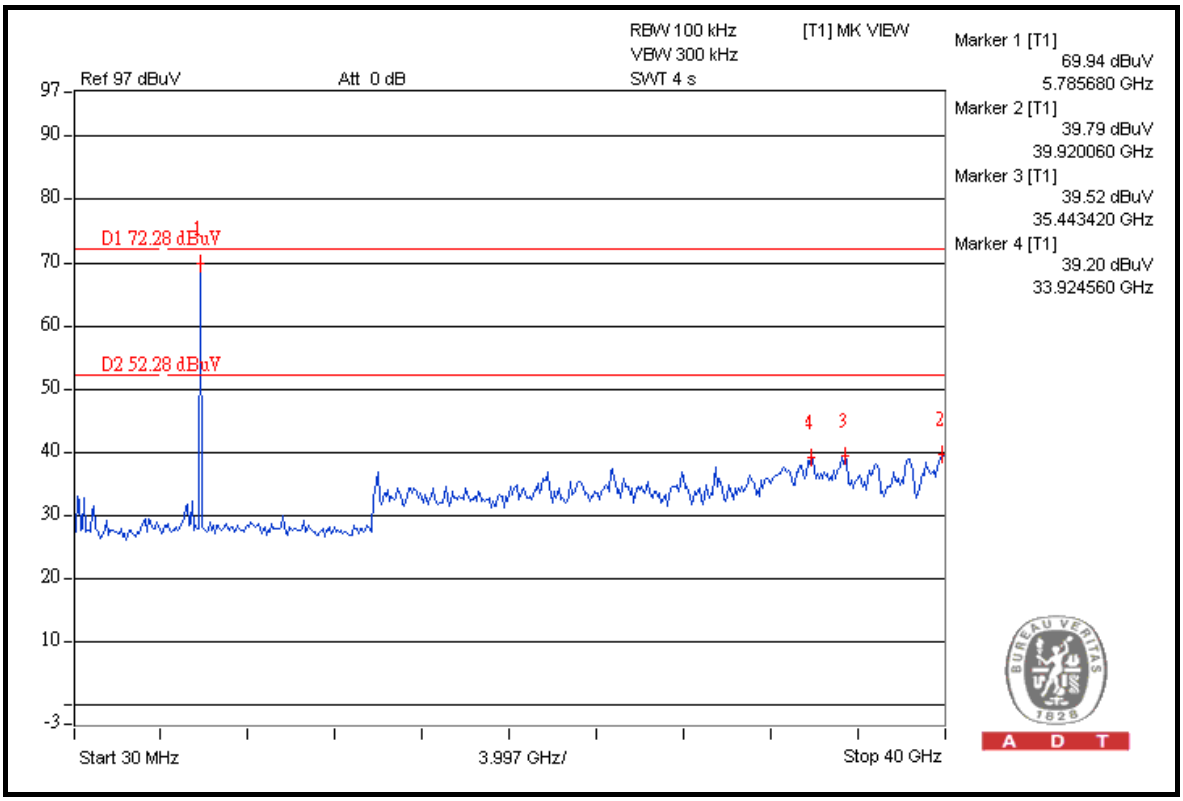

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
73.05 dBuV
5.737600 GHz
Marker 2 [T1]
29.97 dBuV
5.725000 GHz
Marker 3 [T1]
31.39 dBuV
5.724800 GHz
D1 73.05 dBuV
D2 53.05 dBuV
Center 5.707 GHz
10 MHz/
Span 100 MHz


RBW 1 MHz
VBW 10 Hz
SWT 25 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
72.33 dBuV
5.751000 GHz
Marker 2 [T1]
27.63 dBuV
5.725000 GHz
Marker 3 [T1]
27.63 dBuV
5.725000 GHz
D1 72.33 dBuV
D2 52.33 dBuV
Center 5.707 GHz
10 MHz/
Span 100 MHz

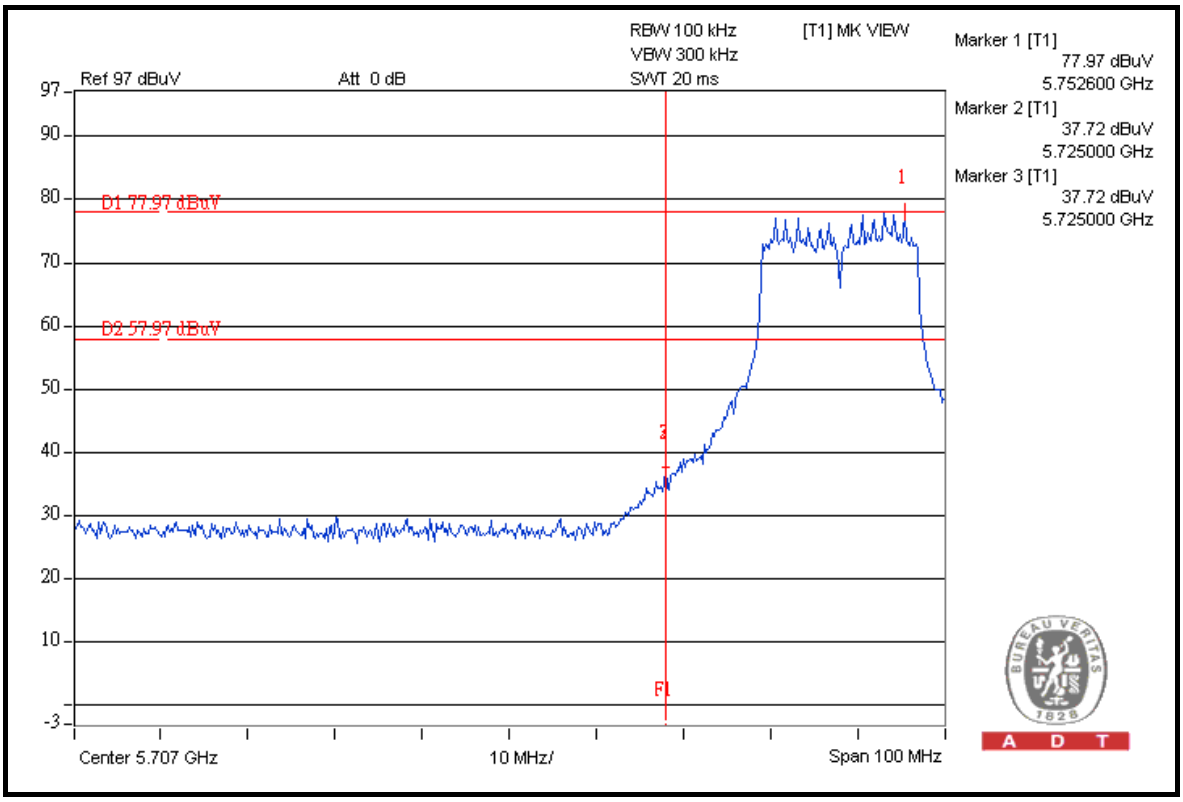

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 73.05 dBuV
D2 53.05 dBuV
Marker 1 [T1]
70.57 dBuV
5.705740 GHz
Marker 2 [T1]
39.79 dBuV
38.401200 GHz
Marker 3 [T1]
39.15 dBuV
39.200600 GHz
Marker 4 [T1]
38.80 dBuV
34.404200 GHz
Start 30 MHz
3.997 GHz/
Stop 40 GHz

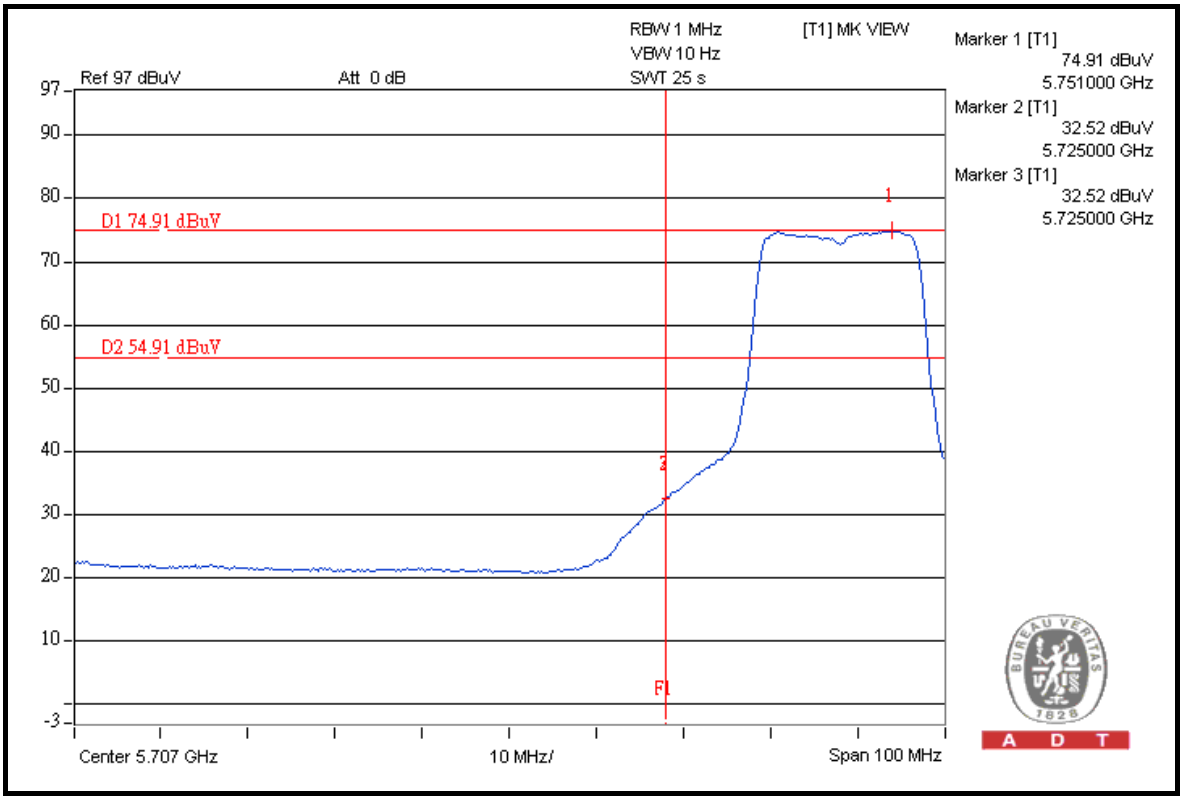

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 72.28 dBuV
D2 52.28 dBuV
Marker 1 [T1]
72.28 dBuV
5.826400 GHz
Marker 2 [T1]
32.16 dBuV
5.850000 GHz
Marker 3 [T1]
32.16 dBuV
5.850000 GHz
Center 5.864 GHz
10 MHz/
Span 100 MHz

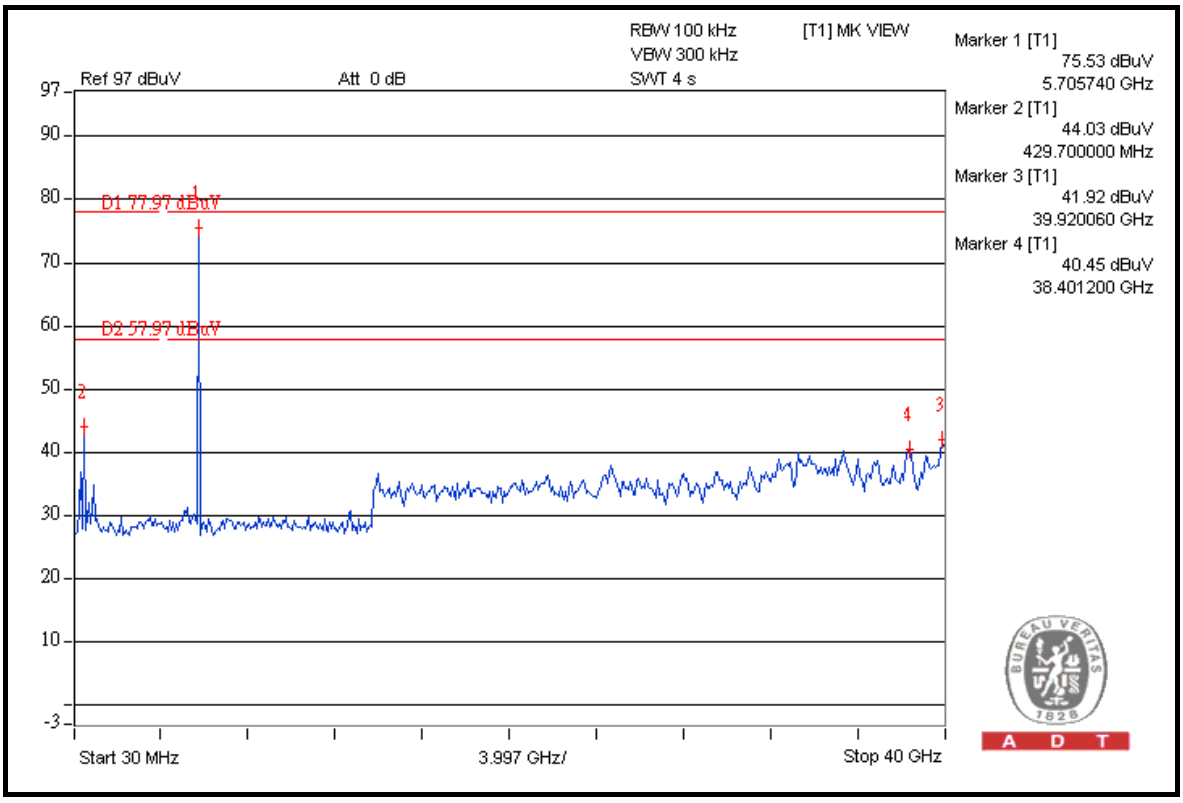

RBW 1 MHz
VBW 10 Hz
SWT 25 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
71.44 dBuV
5.819600 GHz
Marker 2 [T1]
26.47 dBuV
5.850000 GHz
Marker 3 [T1]
26.47 dBuV
5.850000 GHz
D1 71.44 dBuV
D2 51.44 dBuV
Center 5.864 GHz
10 MHz/
Span 100 MHz

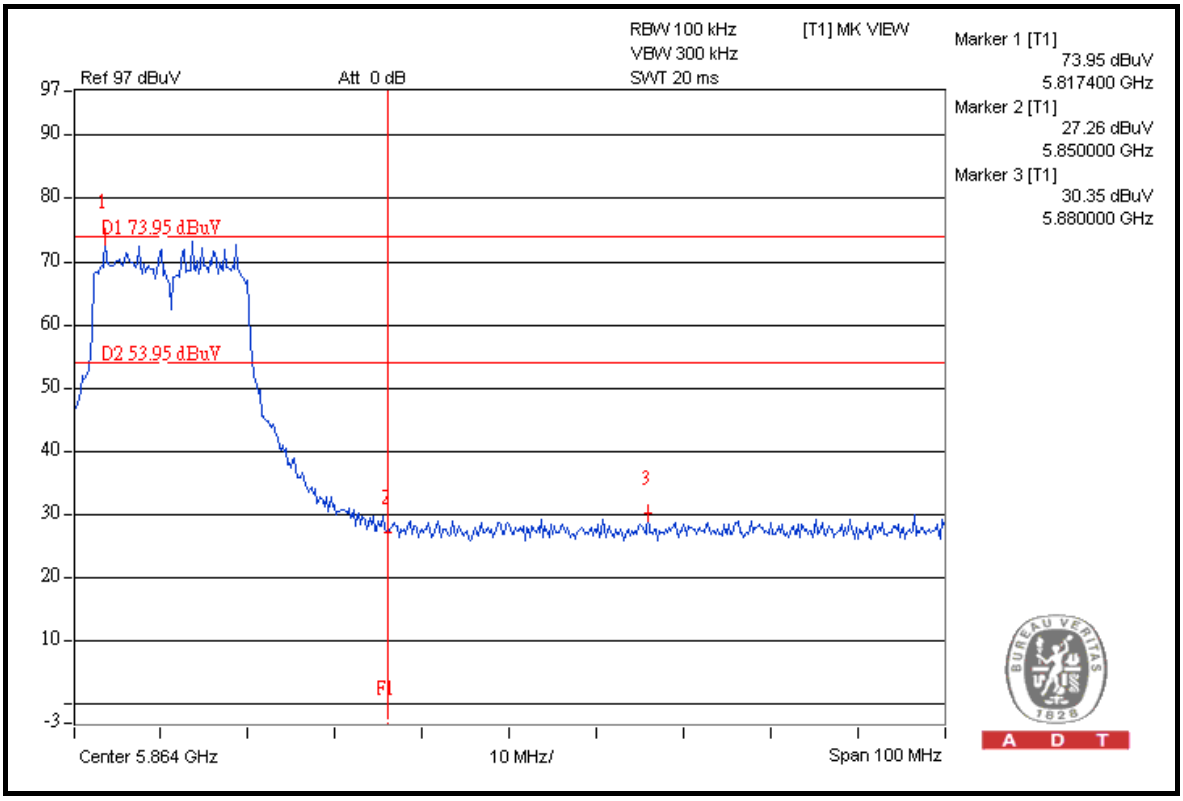

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
69.94 dBuV
5.785680 GHz
Marker 2 [T1]
39.79 dBuV
39.920060 GHz
Marker 3 [T1]
39.52 dBuV
35.443420 GHz
Marker 4 [T1]
39.20 dBuV
33.924560 GHz
D1 72.28 dBuV
D2 52.28 dBuV
Start 30 MHz
3.997 GHz/
Stop 40 GHz

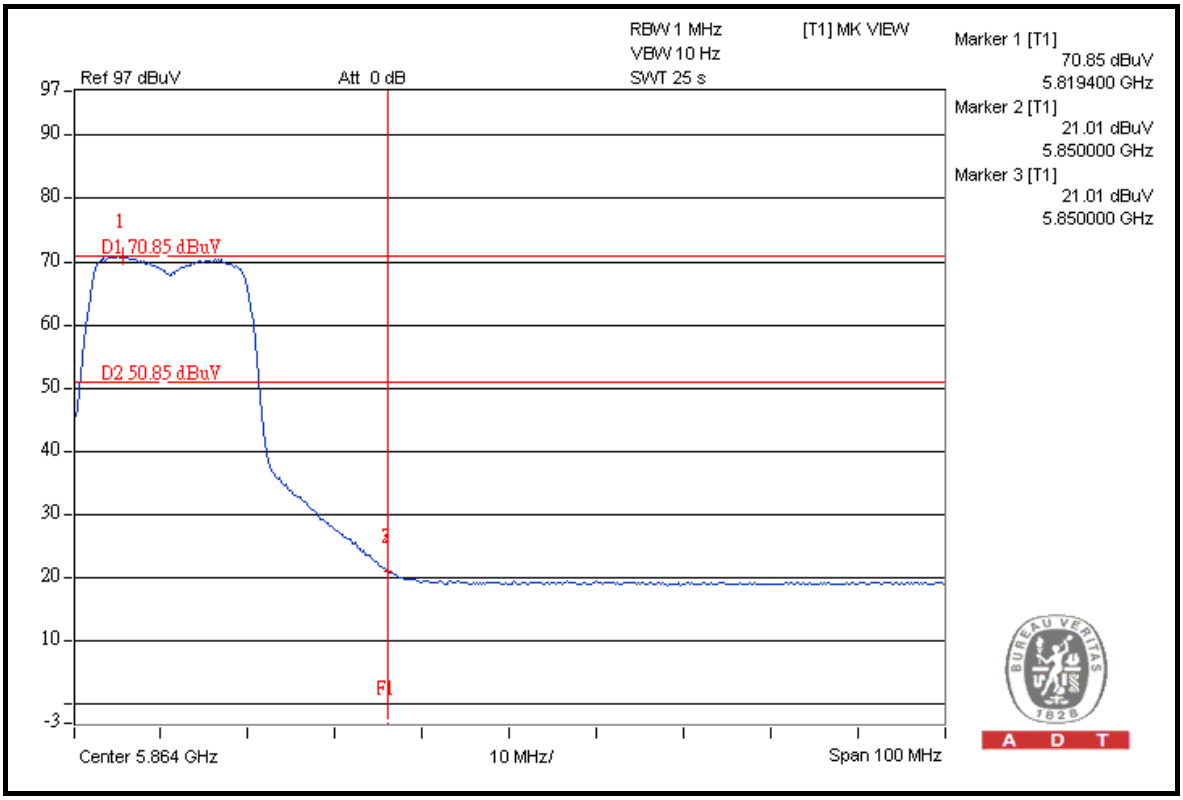
802.11n (20MHz)

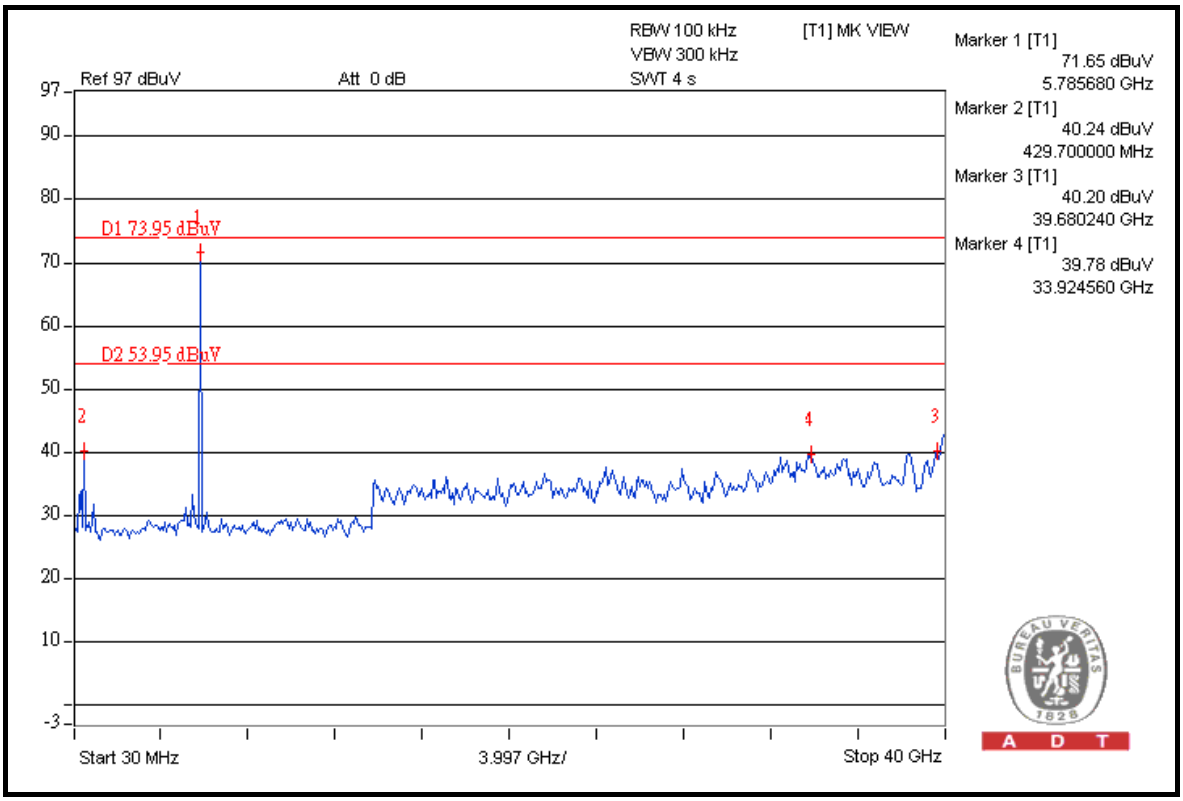




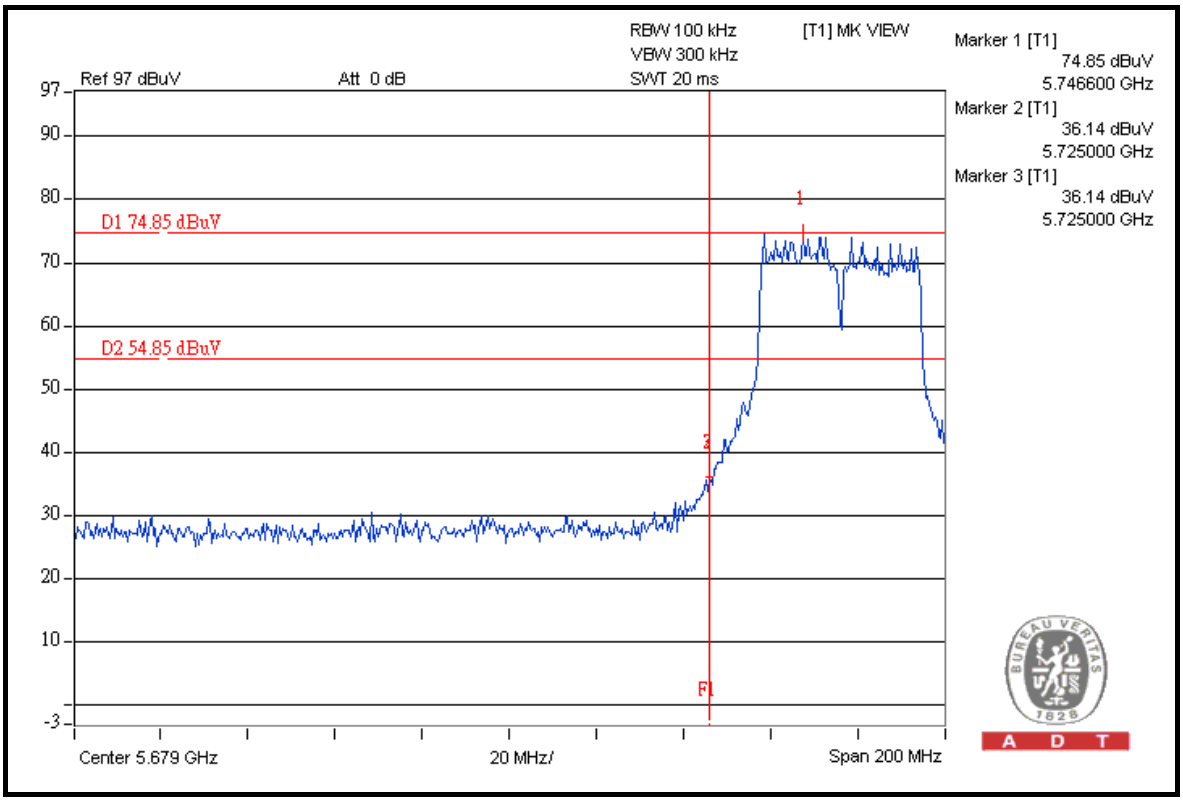

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 77.97 dBuV
D2 57.97 dBuV
Marker 1 [T1]
75.53 dBuV
5.705740 GHz
Marker 2 [T1]
44.03 dBuV
429.700000 MHz
Marker 3 [T1]
41.92 dBuV
39.920060 GHz
Marker 4 [T1]
40.45 dBuV
38.401200 GHz
Start 30 MHz
3.997 GHz/
Stop 40 GHz

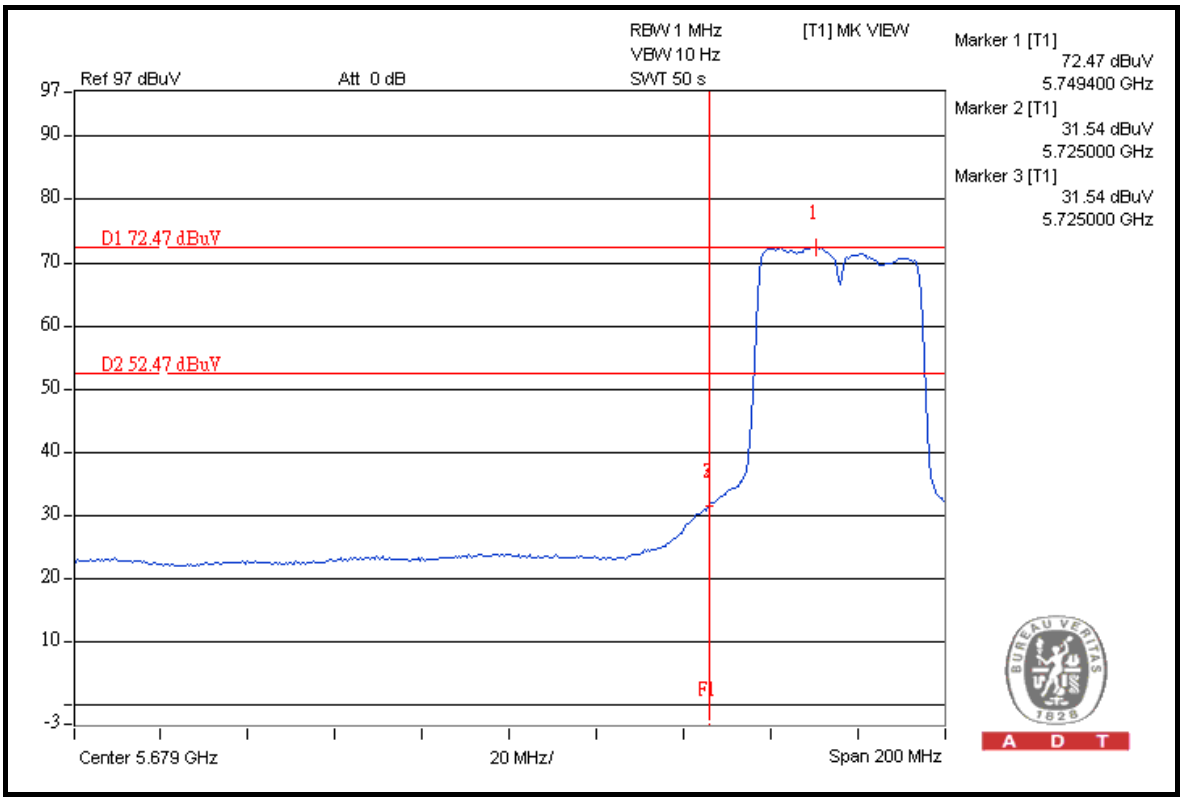

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 73.95 dBuV
D2 53.95 dBuV
Marker 1 [T1]
73.95 dBuV
5.817400 GHz
Marker 2 [T1]
27.26 dBuV
5.850000 GHz
Marker 3 [T1]
30.35 dBuV
5.880000 GHz
Center 5.864 GHz
10 MHz/
Span 100 MHz

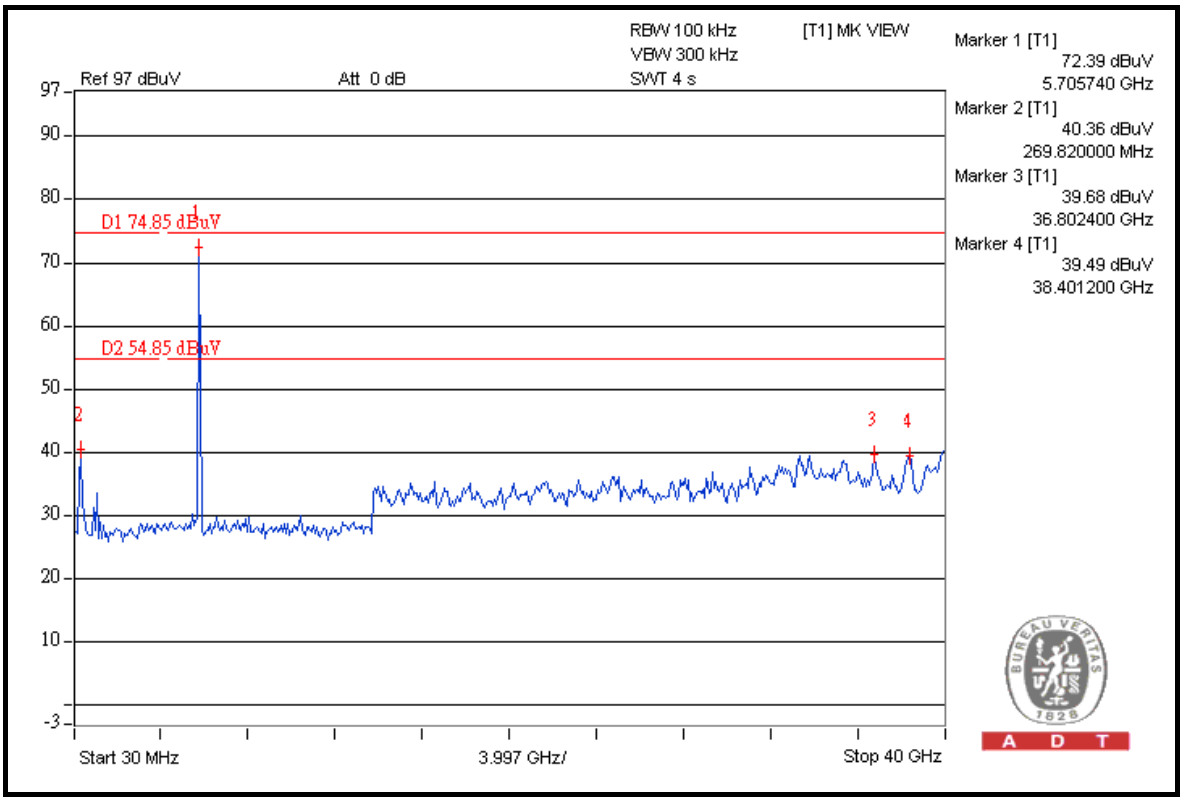

RBW 1 MHz
VBW 10 Hz
SWT 25 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
70.85 dBuV
5.819400 GHz
Marker 2 [T1]
21.01 dBuV
5.850000 GHz
Marker 3 [T1]
21.01 dBuV
5.850000 GHz
D1 70.85 dBuV
D2 50.85 dBuV
Center 5.864 GHz
10 MHz/
Span 100 MHz

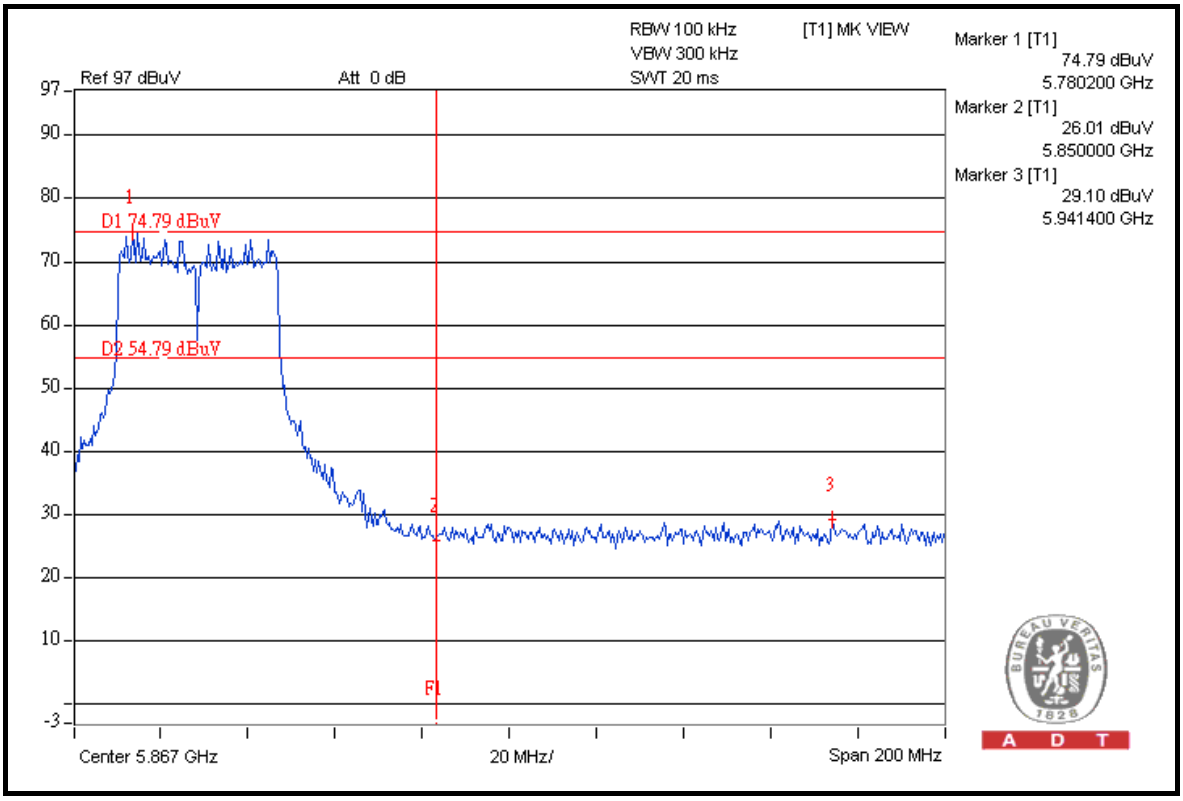

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
71.65 dBuV
5.785680 GHz
Marker 2 [T1]
40.24 dBuV
429.700000 MHz
Marker 3 [T1]
40.20 dBuV
39.680240 GHz
Marker 4 [T1]
39.78 dBuV
33.924560 GHz
D1 73.95 dBuV
D2 53.95 dBuV
Start 30 MHz
3.997 GHz/
Stop 40 GHz

802.11n (40MHz)





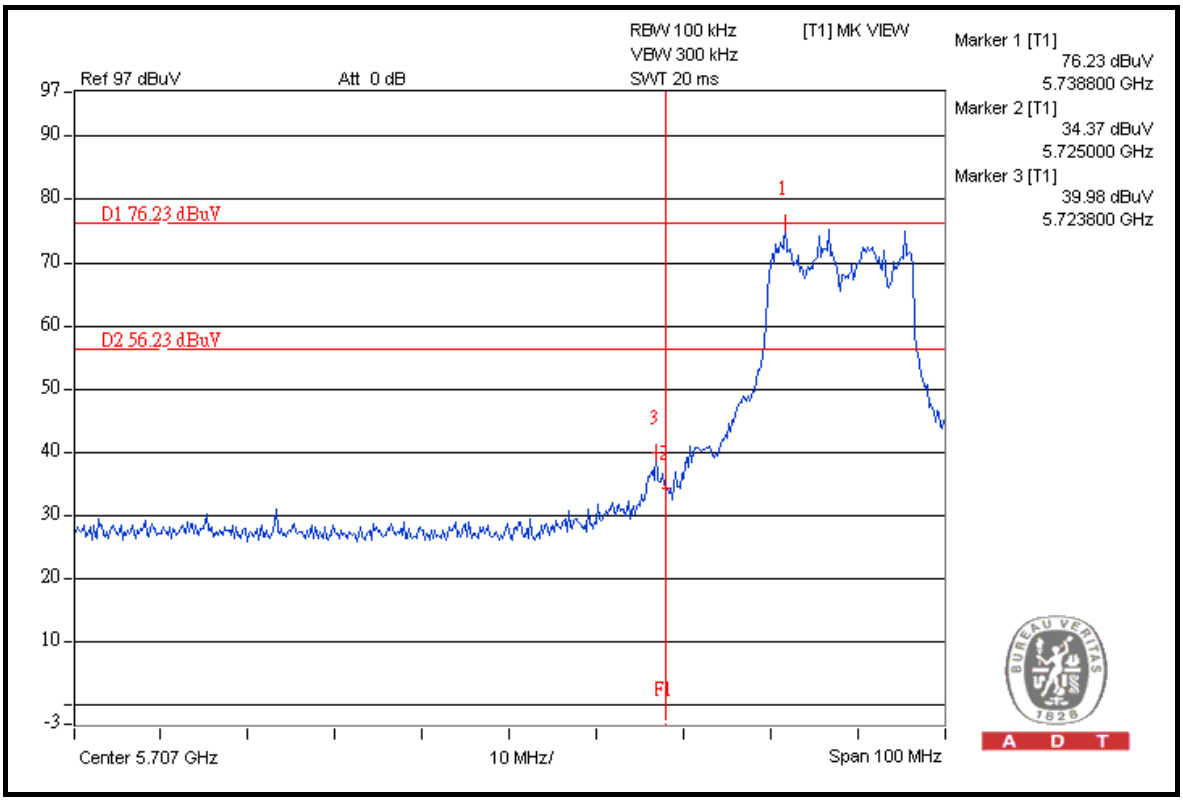

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 74.85 dBuV
D2 54.85 dBuV
Marker 1 [T1]
72.39 dBuV
5.705740 GHz
Marker 2 [T1]
40.36 dBuV
269.820000 MHz
Marker 3 [T1]
39.68 dBuV
36.802400 GHz
Marker 4 [T1]
39.49 dBuV
38.401200 GHz
Start 30 MHz
3.997 GHz/
Stop 40 GHz

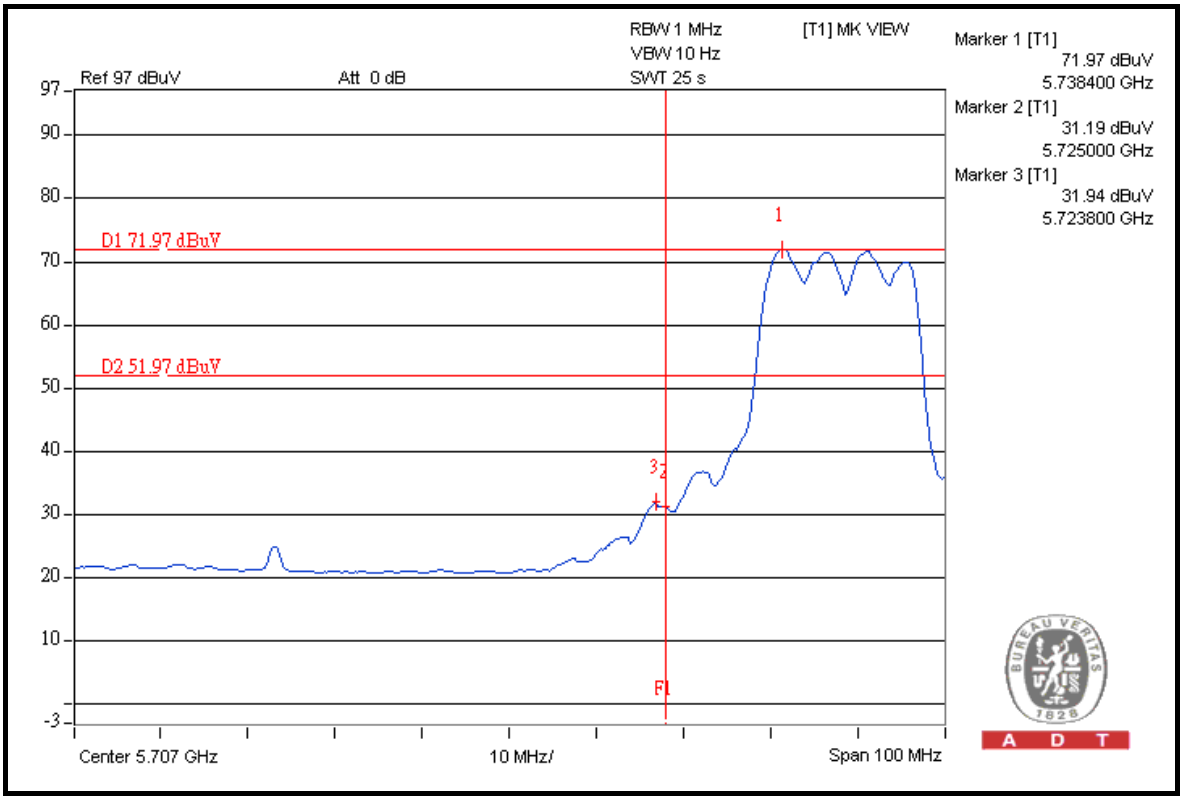

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 74.79 dBuV
D2 54.79 dBuV
Marker 1 [T1]
74.79 dBuV
5.780200 GHz
Marker 2 [T1]
26.01 dBuV
5.850000 GHz
Marker 3 [T1]
29.10 dBuV
5.941400 GHz
Center 5.867 GHz
20 MHz/
Span 200 MHz

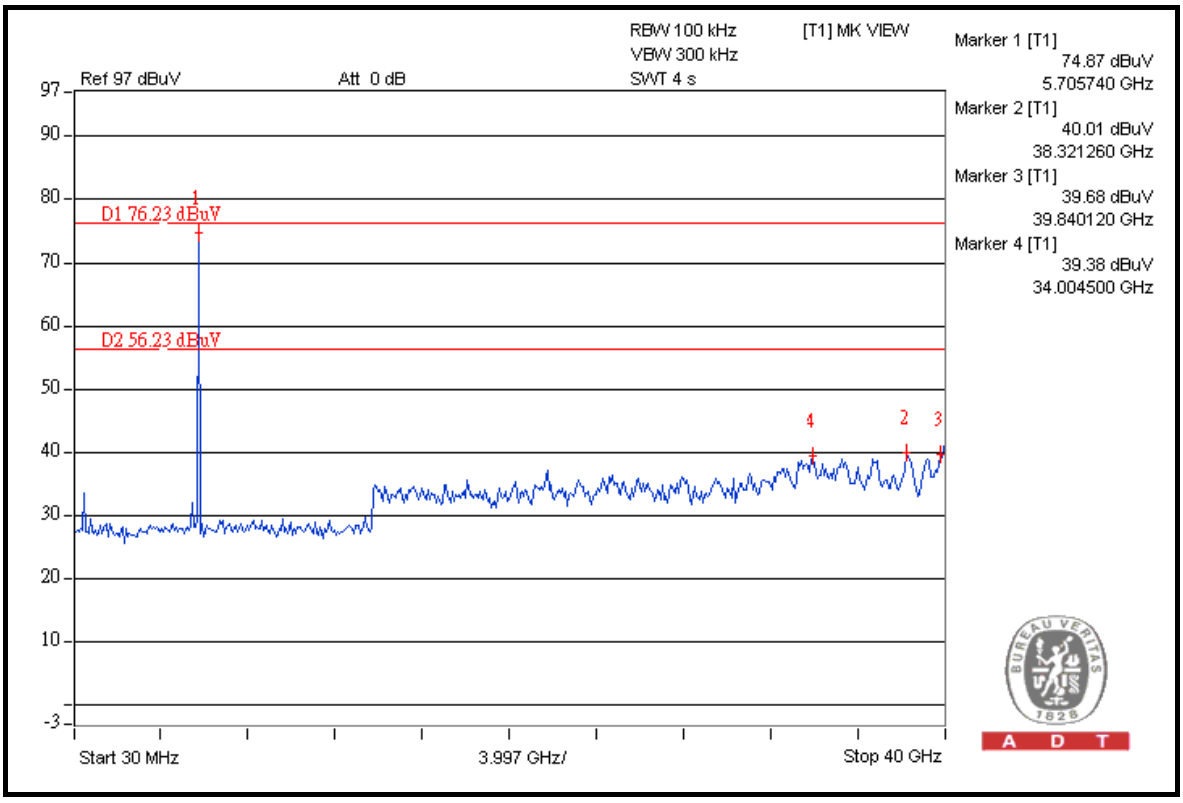
5.6.8 TEST RESULTS (TEST MODE B 1)

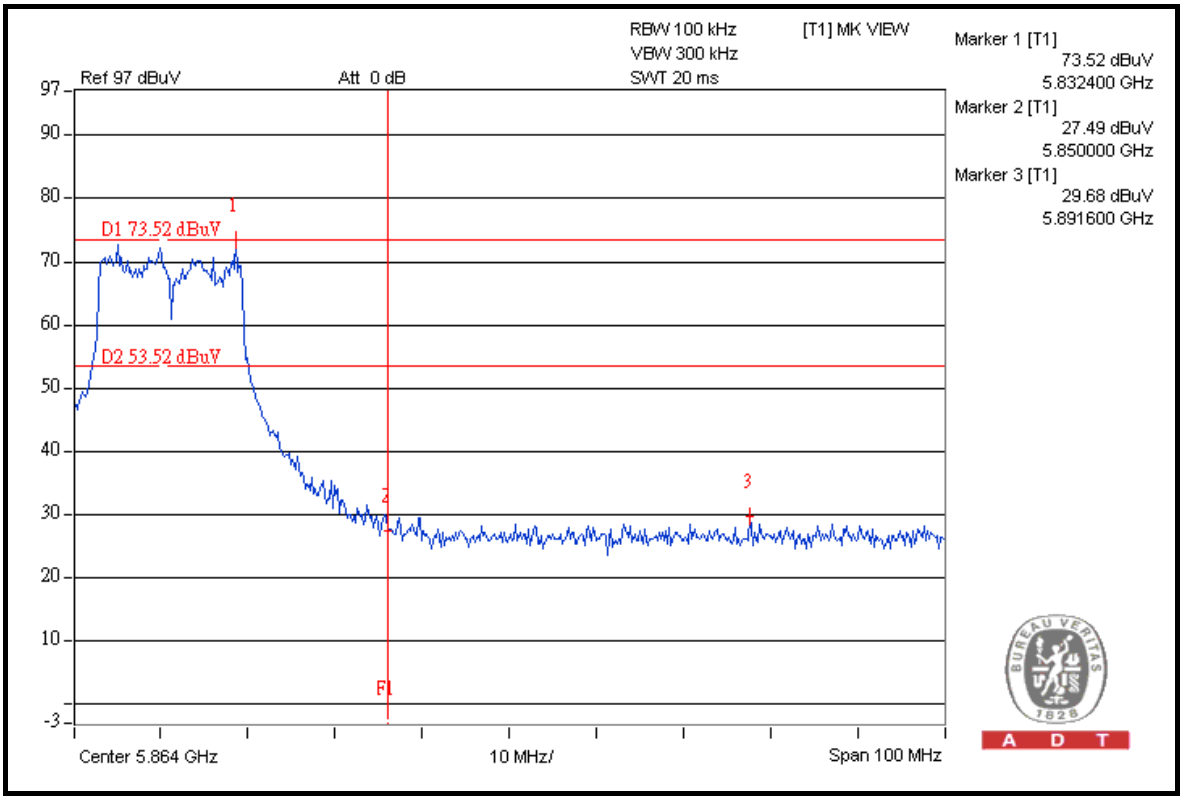
The spectrum plots are attached on the following pages. D1 line indicates the highest level, D2 line indicates the 20dB offset below D1. It shows compliance with the requirement in part 15.247(d).

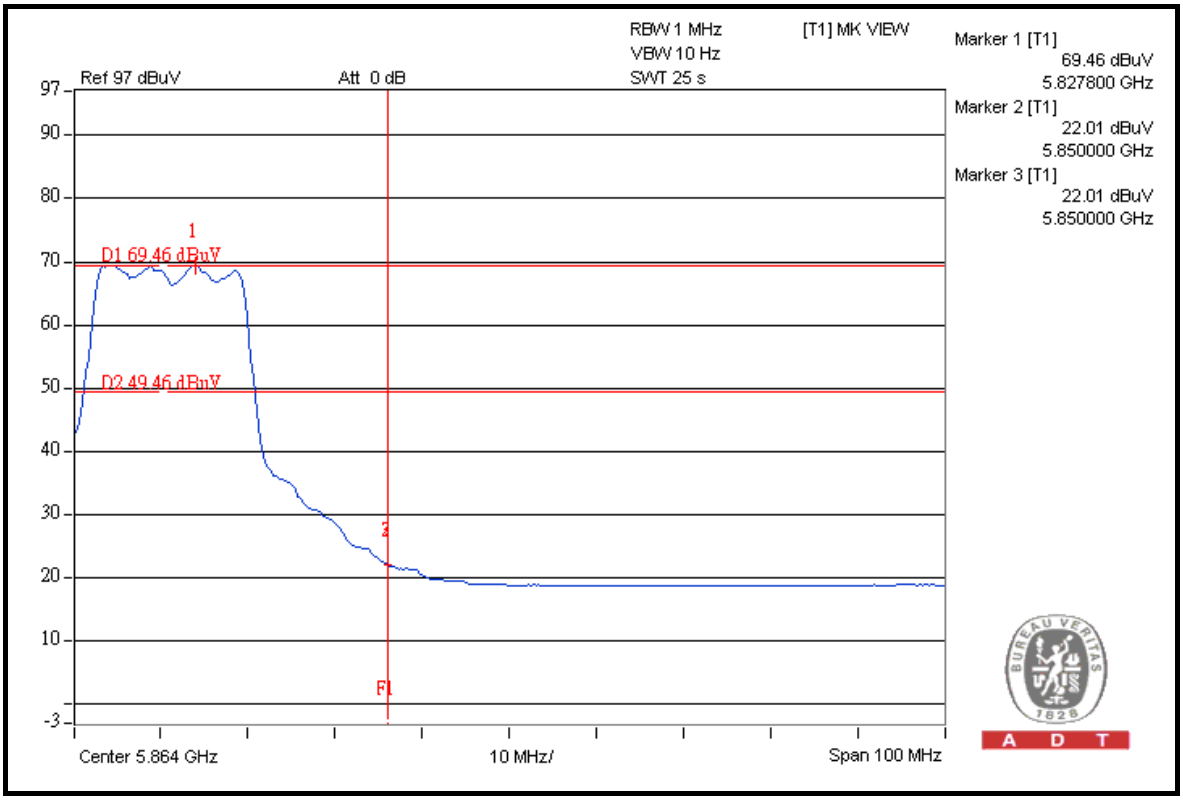
802.11a

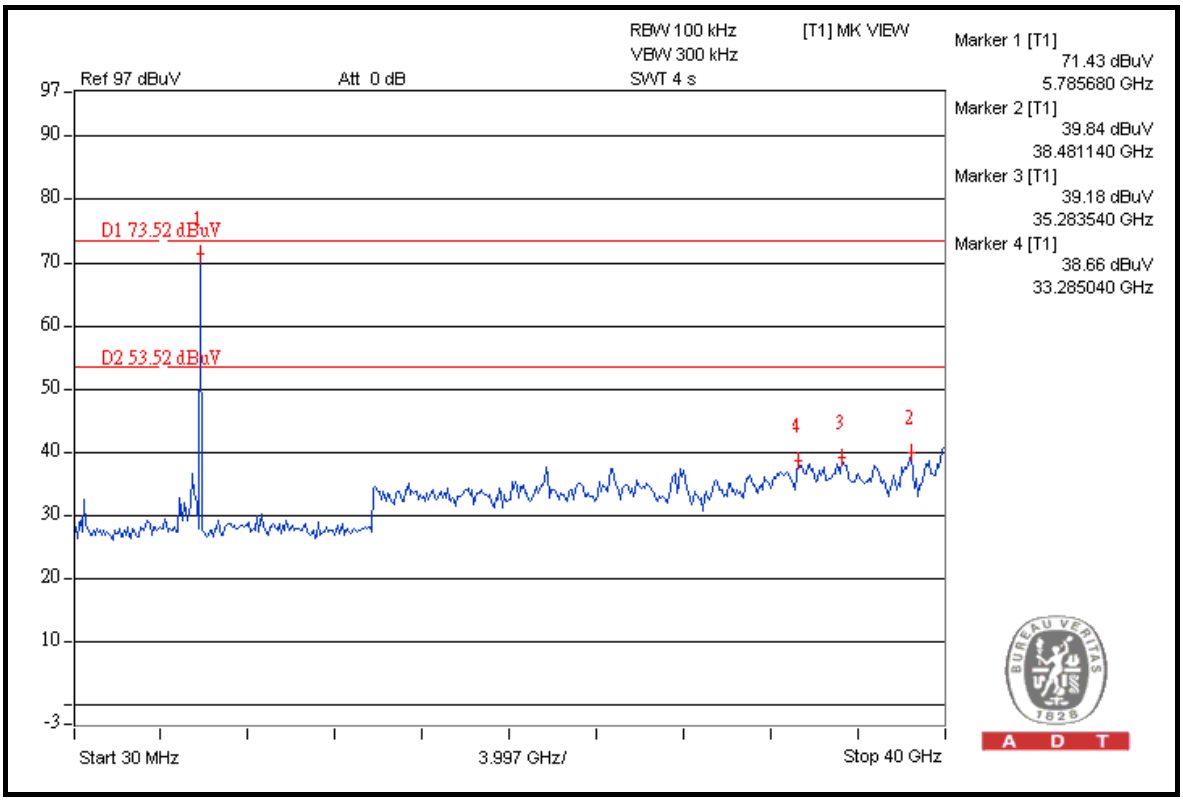

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
76.23 dBuV
5.738800 GHz
Marker 2 [T1]
34.37 dBuV
5.725000 GHz
Marker 3 [T1]
39.98 dBuV
5.723800 GHz
D1 76.23 dBuV
D2 56.23 dBuV
97
90
80
70
60
50
40
30
20
10
-3
Center 5.707 GHz
10 MHz/
Span 100 MHz


RBW 1 MHz
VBW 10 Hz
SWT 25 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
71.97 dBuV
5.738400 GHz
Marker 2 [T1]
31.19 dBuV
5.725000 GHz
Marker 3 [T1]
31.94 dBuV
5.723800 GHz
D1 71.97 dBuV
D2 51.97 dBuV
97
90
80
70
60
50
40
30
20
10
-3
Center 5.707 GHz
10 MHz/
Span 100 MHz

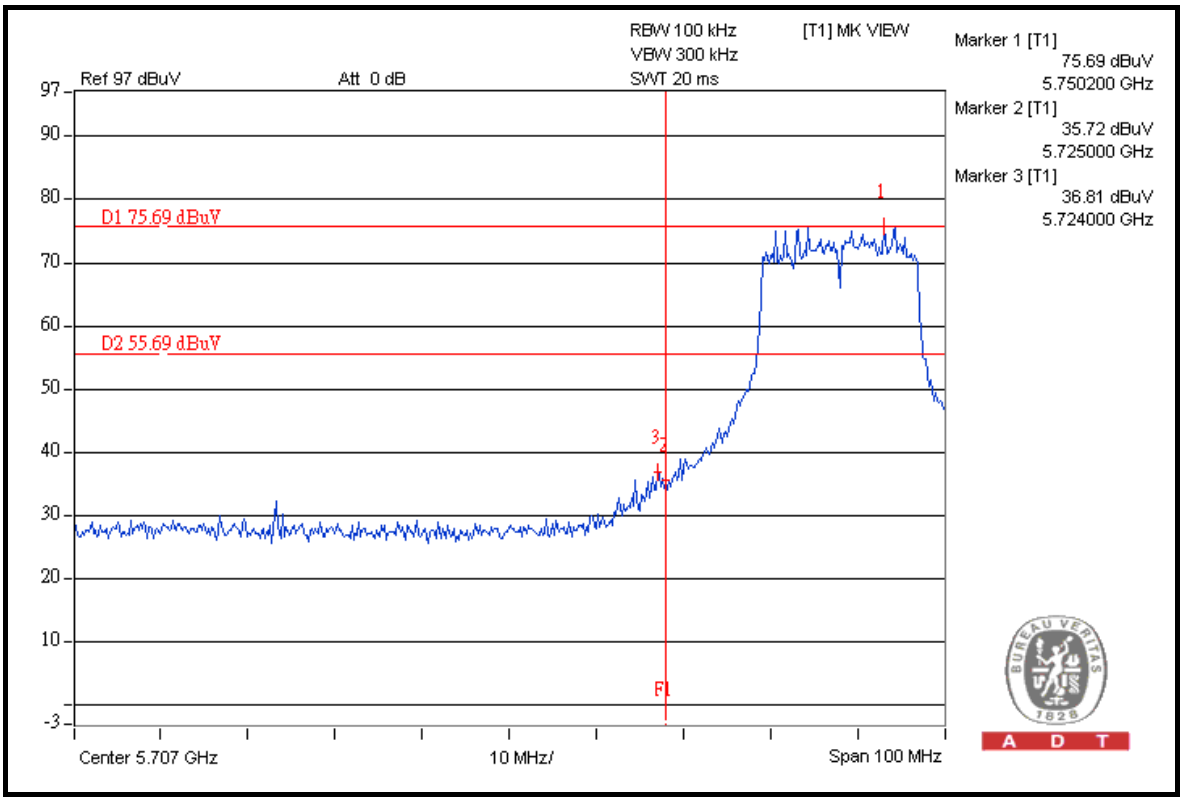

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
74.87 dBuV
5.705740 GHz
Marker 2 [T1]
40.01 dBuV
38.321260 GHz
Marker 3 [T1]
39.68 dBuV
39.840120 GHz
Marker 4 [T1]
39.38 dBuV
34.004500 GHz
D1 76.23 dBuV
D2 56.23 dBuV
97
90
80
70
60
50
40
30
20
10
-3
Start 30 MHz
3.997 GHz/
Stop 40 GHz

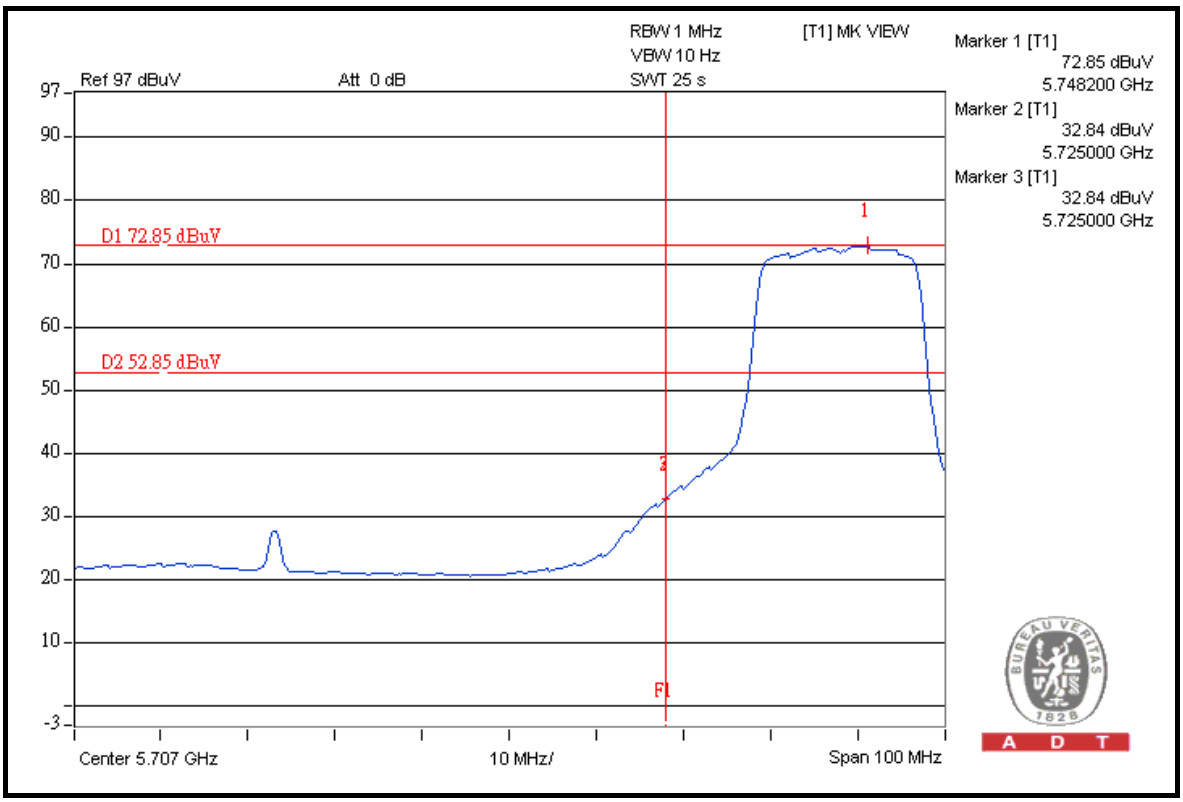

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
73.52 dBuV
5.832400 GHz
Marker 2 [T1]
27.49 dBuV
5.850000 GHz
Marker 3 [T1]
29.68 dBuV
5.891600 GHz
D1 73.52 dBuV
D2 53.52 dBuV
97
90
80
70
60
50
40
30
20
10
-3
Center 5.864 GHz
10 MHz/
Span 100 MHz

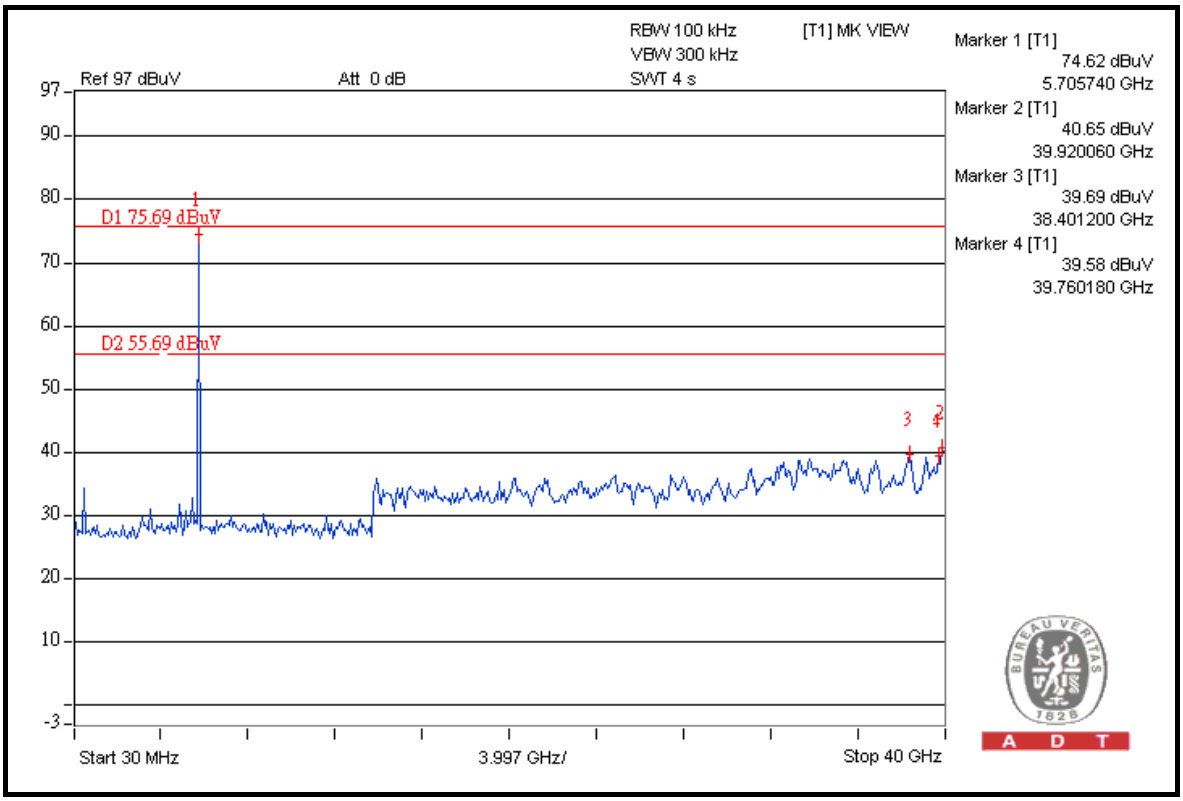

RBW 1 MHz
VBW 10 Hz
SWT 25 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
69.46 dBuV
5.827800 GHz
Marker 2 [T1]
22.01 dBuV
5.850000 GHz
Marker 3 [T1]
22.01 dBuV
5.850000 GHz
D1 69.46 dBuV
D2 49.46 dBuV
Center 5.864 GHz
10 MHz/
Span 100 MHz

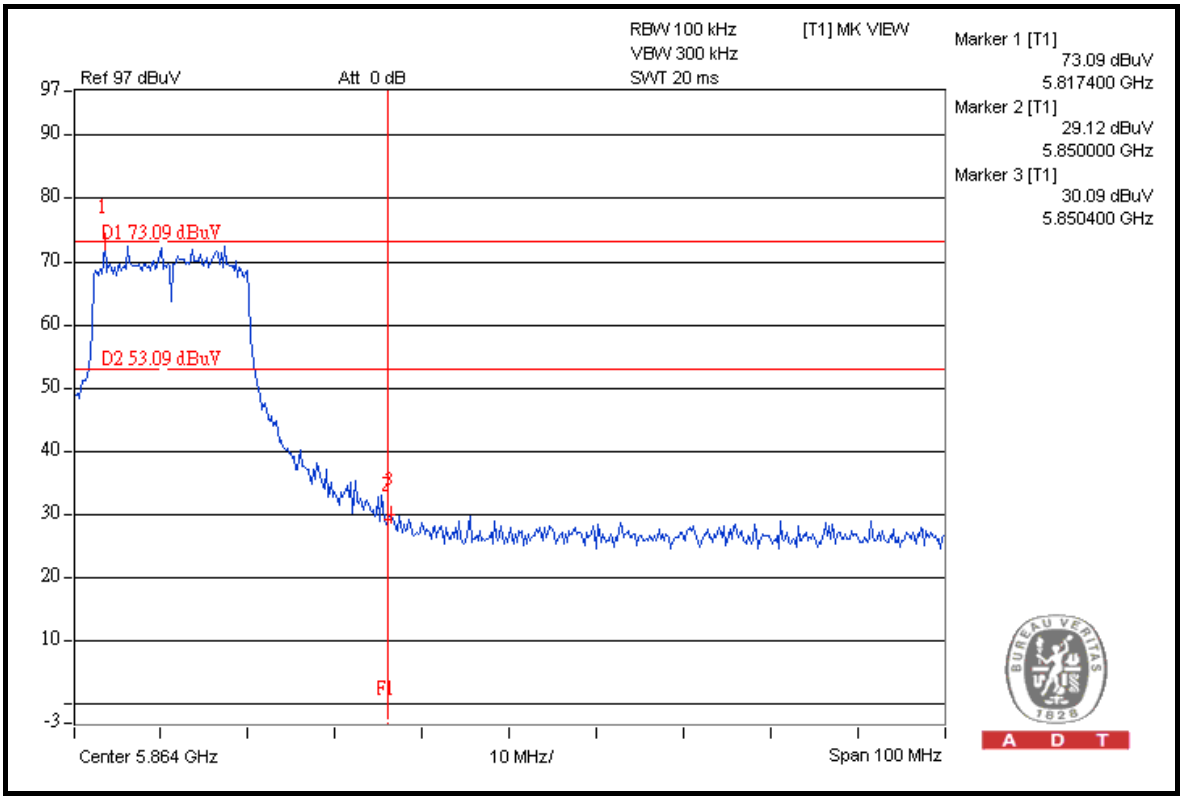

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
71.43 dBuV
5.785680 GHz
Marker 2 [T1]
39.84 dBuV
38.481140 GHz
Marker 3 [T1]
39.18 dBuV
35.283540 GHz
Marker 4 [T1]
38.66 dBuV
33.285040 GHz
D1 73.52 dBuV
D2 53.52 dBuV
Start 30 MHz
3.997 GHz/
Stop 40 GHz

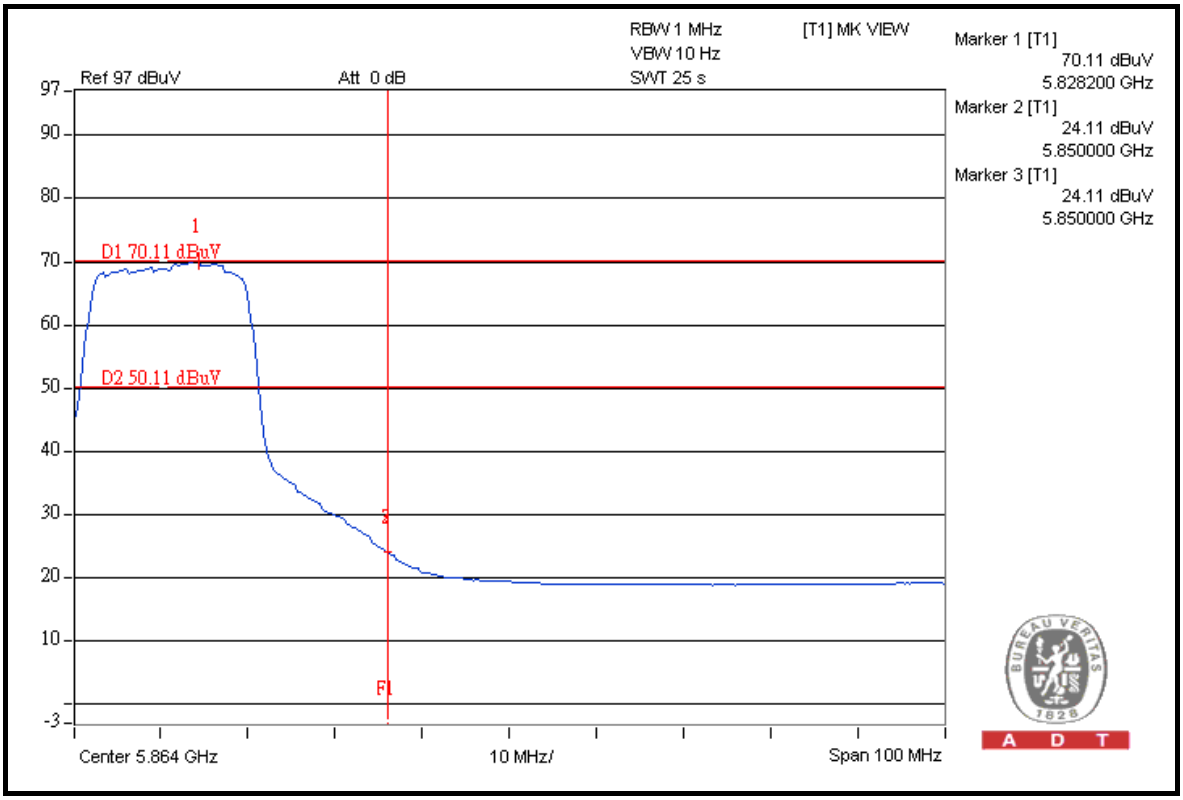
802.11n (20MHz)

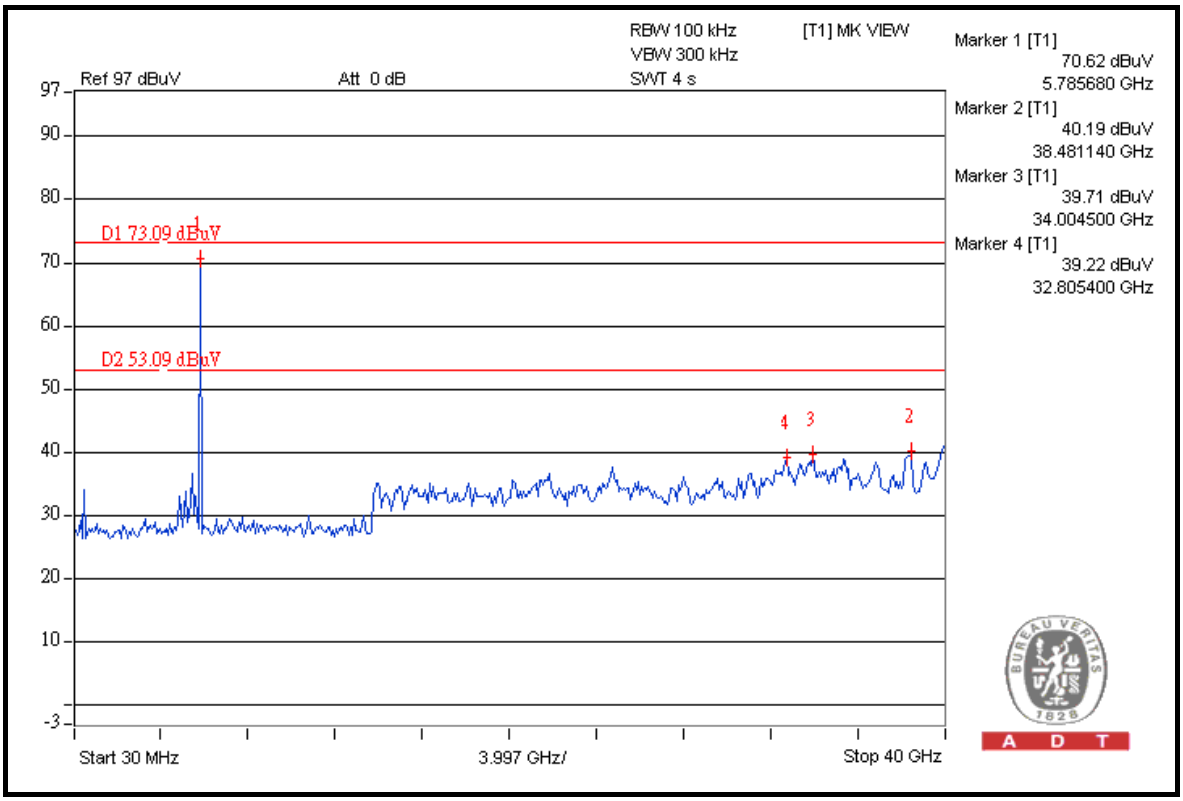




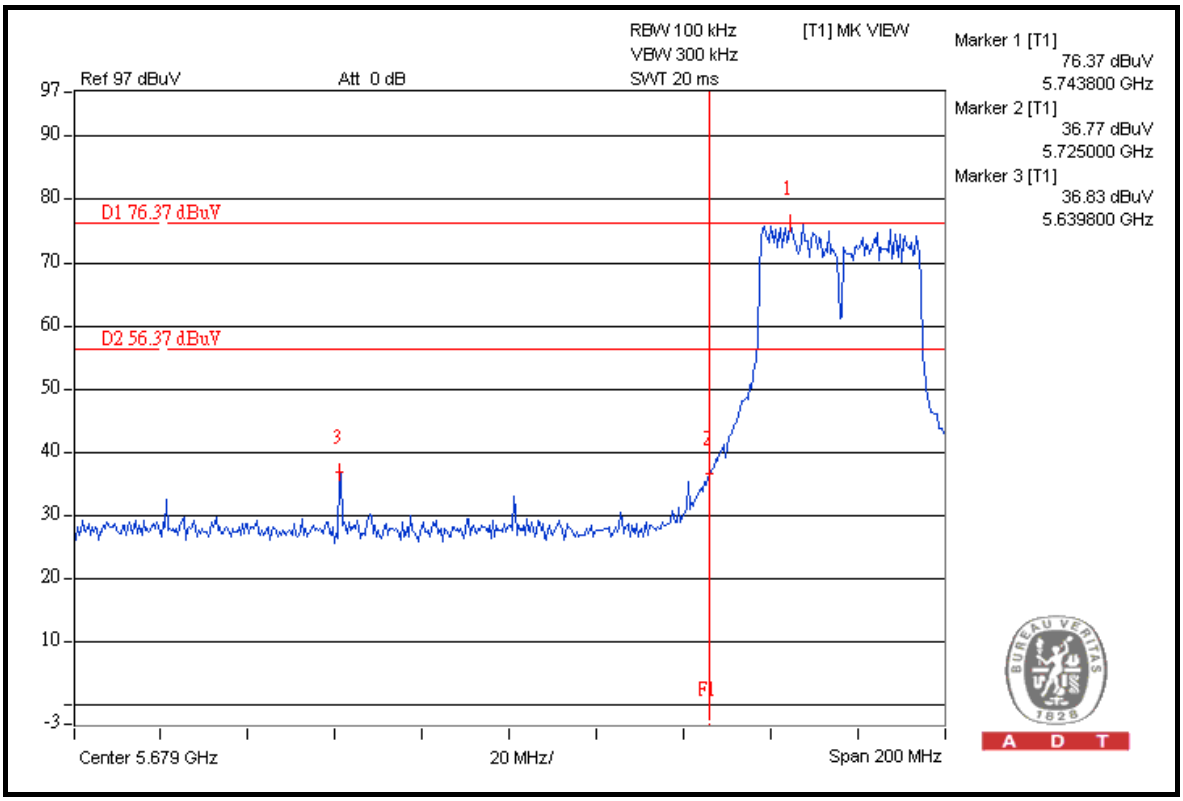

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 75.69 dBuV
D2 55.69 dBuV
Marker 1 [T1]
74.62 dBuV
5.705740 GHz
Marker 2 [T1]
40.65 dBuV
39.920060 GHz
Marker 3 [T1]
39.69 dBuV
38.401200 GHz
Marker 4 [T1]
39.58 dBuV
39.760180 GHz
Start 30 MHz
3.997 GHz/
Stop 40 GHz

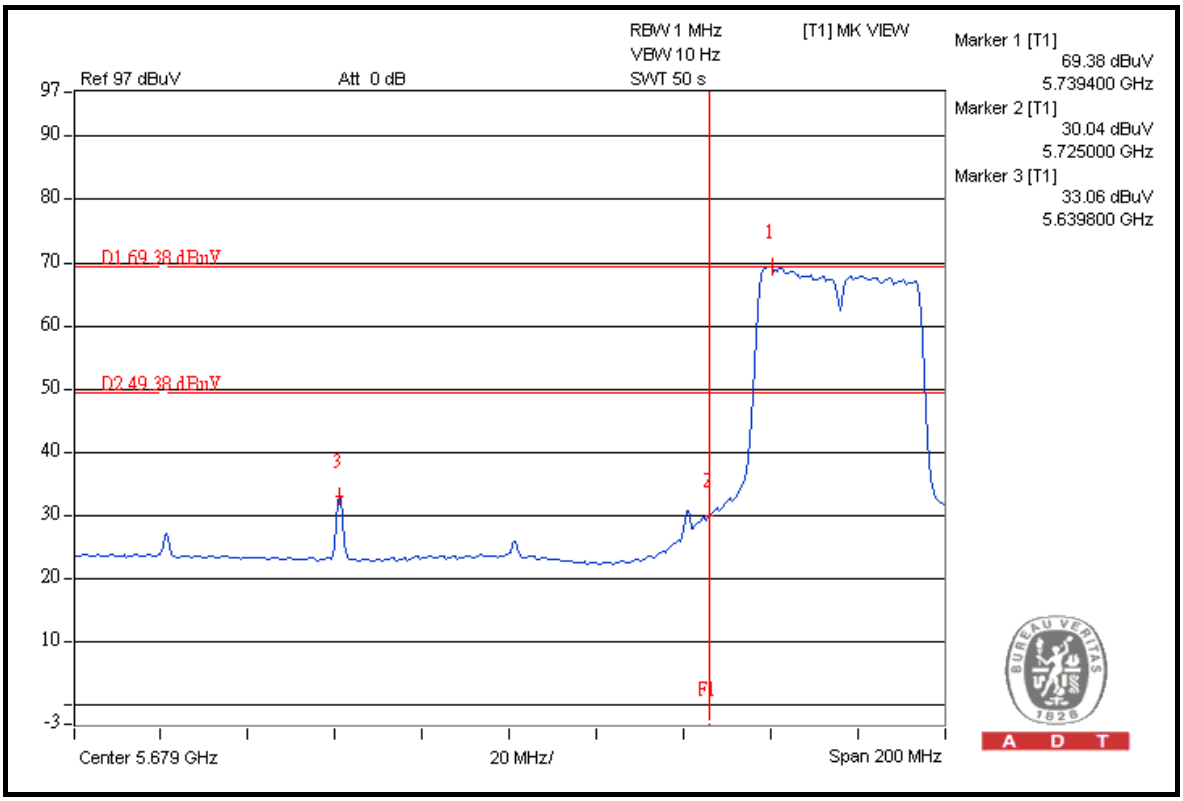

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 73.09 dBuV
D2 53.09 dBuV
Marker 1 [T1]
73.09 dBuV
5.817400 GHz
Marker 2 [T1]
29.12 dBuV
5.850000 GHz
Marker 3 [T1]
30.09 dBuV
5.850400 GHz
Center 5.864 GHz
10 MHz/
Span 100 MHz

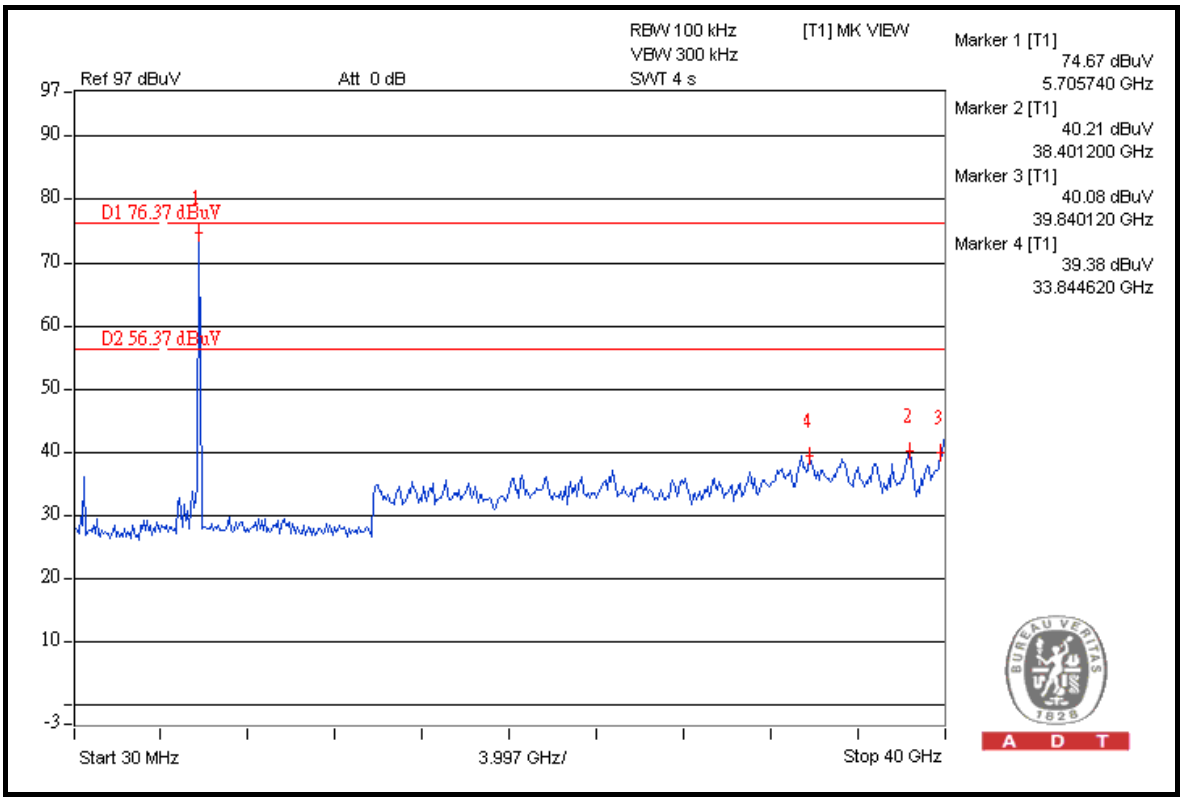

RBW 1 MHz
VBW 10 Hz
SWT 25 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
70.11 dBuV
5.828200 GHz
Marker 2 [T1]
24.11 dBuV
5.850000 GHz
Marker 3 [T1]
24.11 dBuV
5.850000 GHz
D1 70.11 dBuV
D2 50.11 dBuV
Center 5.864 GHz
10 MHz/
Span 100 MHz

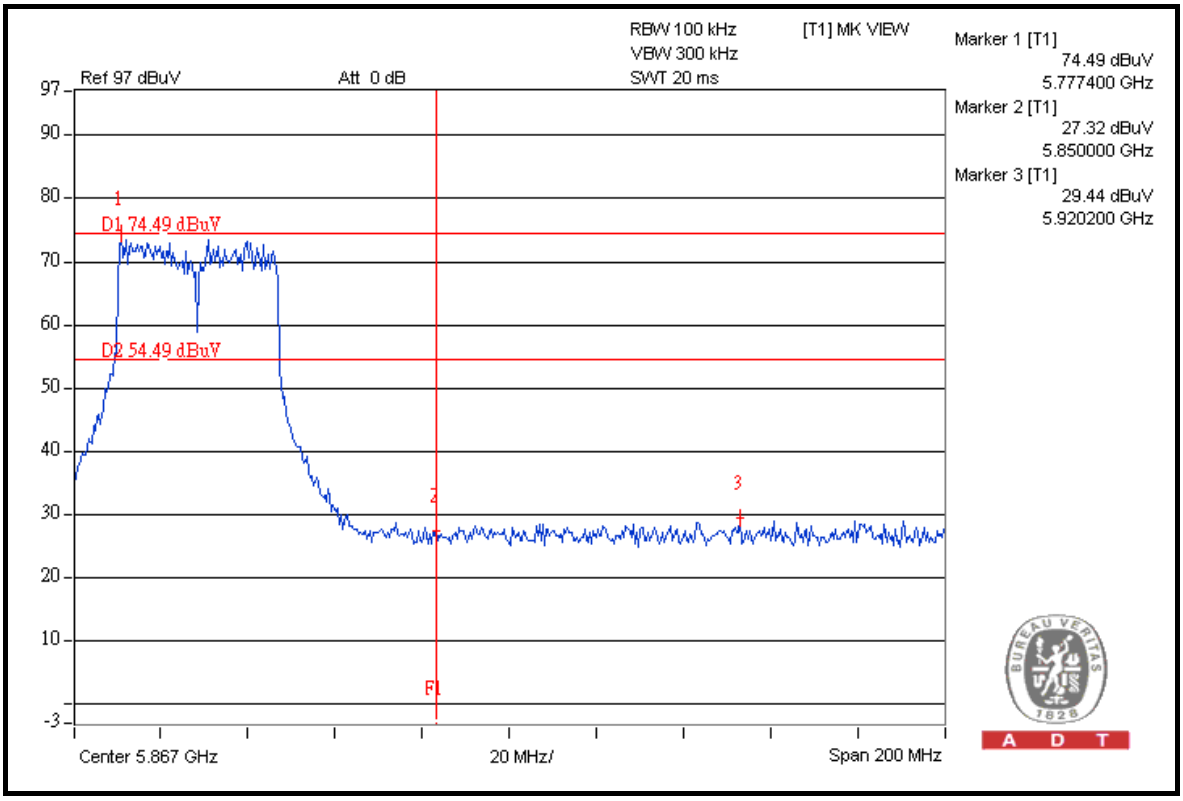

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
70.62 dBuV
5.785680 GHz
Marker 2 [T1]
40.19 dBuV
38.481140 GHz
Marker 3 [T1]
39.71 dBuV
34.004500 GHz
Marker 4 [T1]
39.22 dBuV
32.805400 GHz
D1 73.09 dBuV
D2 53.09 dBuV
Start 30 MHz
3.997 GHz/
Stop 40 GHz

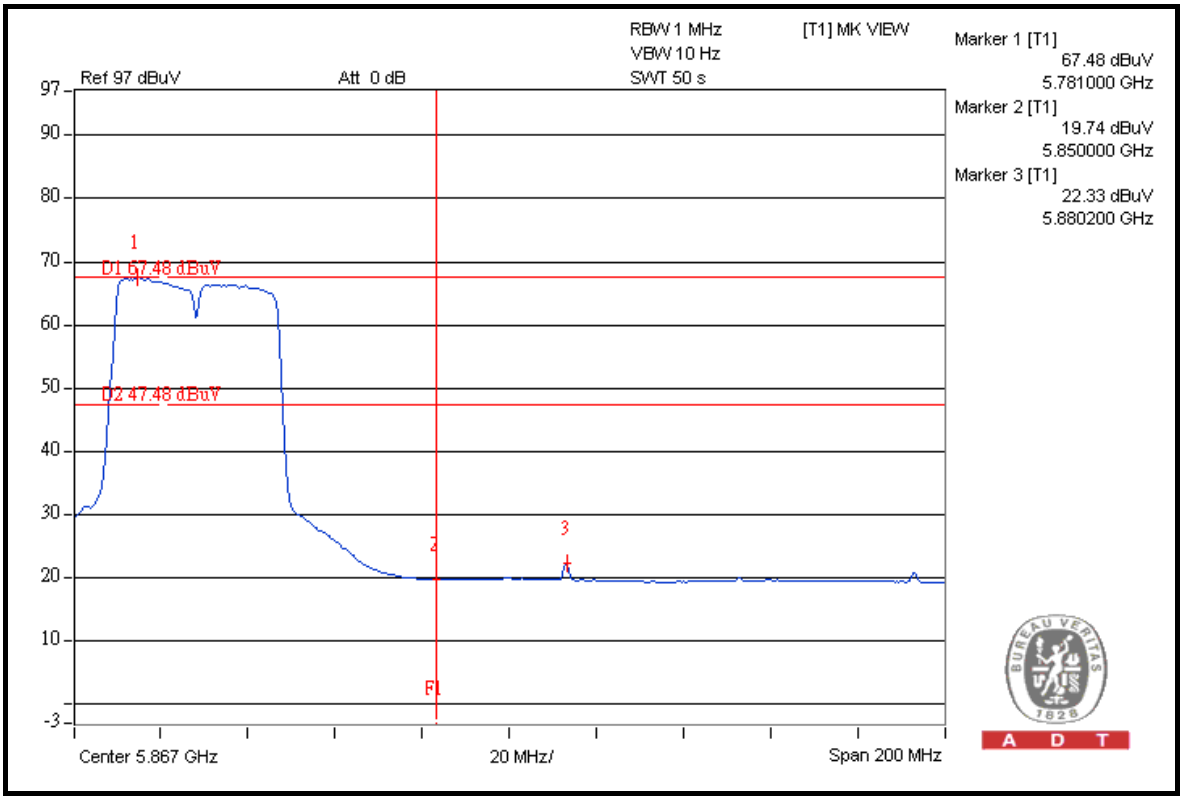
802.11n (40MHz)

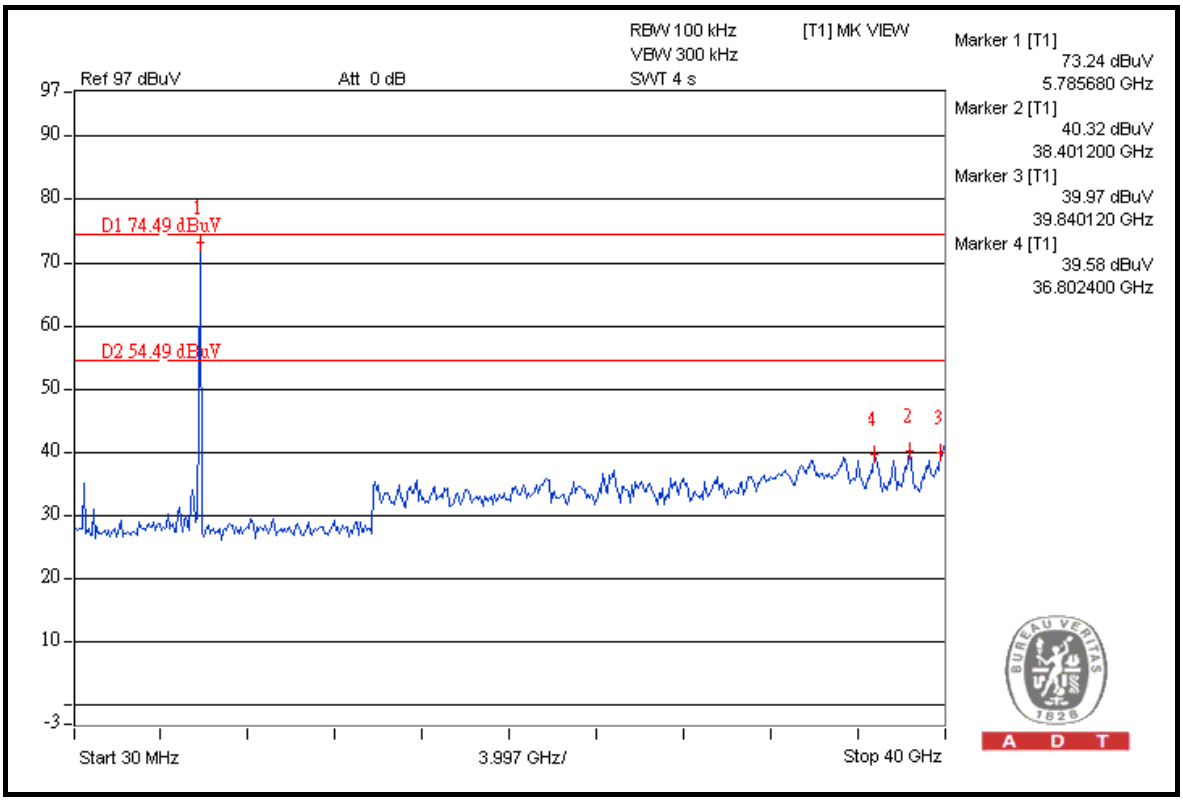





RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 76.37 dBuV
D2 56.37 dBuV
Marker 1 [T1]
74.67 dBuV
5.705740 GHz
Marker 2 [T1]
40.21 dBuV
38.401200 GHz
Marker 3 [T1]
40.08 dBuV
39.840120 GHz
Marker 4 [T1]
39.38 dBuV
33.844620 GHz
Start 30 MHz
3.997 GHz/
Stop 40 GHz


RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 74.49 dBuV
D2 54.49 dBuV
Marker 1 [T1]
74.49 dBuV
5.777400 GHz
Marker 2 [T1]
27.32 dBuV
5.850000 GHz
Marker 3 [T1]
29.44 dBuV
5.920200 GHz
Center 5.867 GHz
20 MHz/
Span 200 MHz

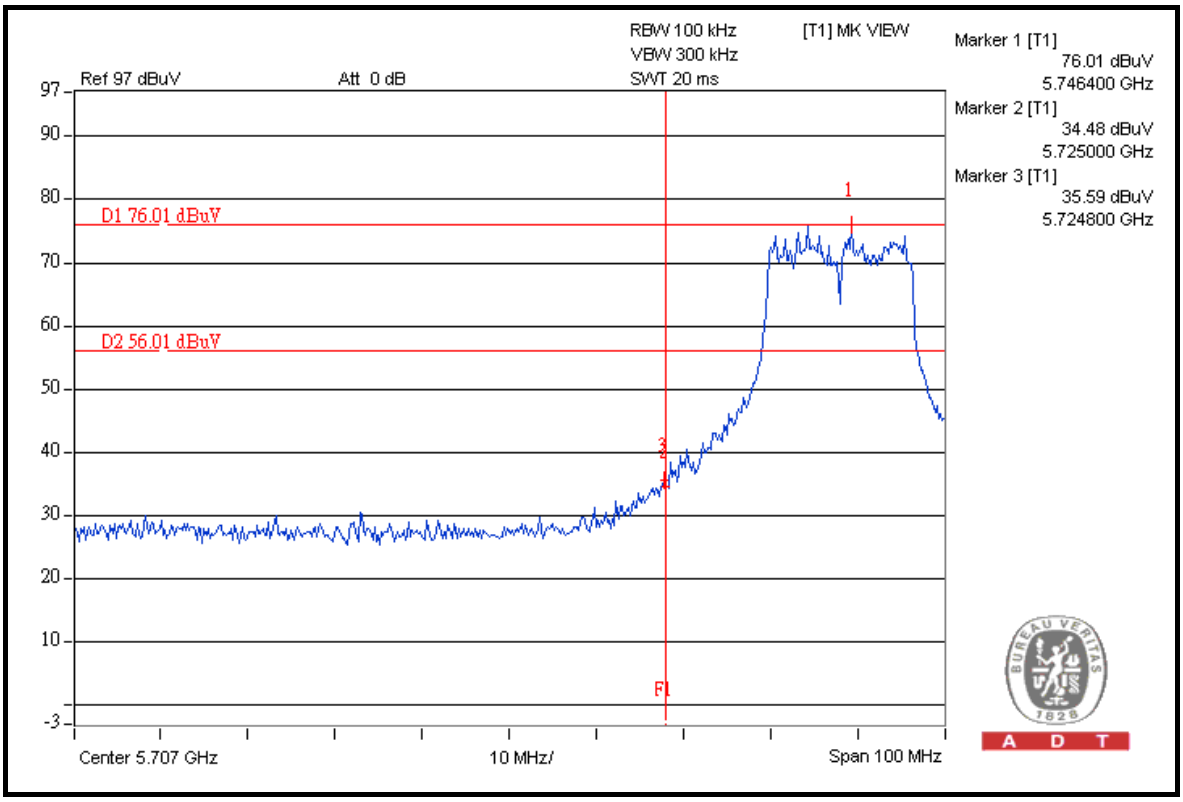

RBW 1 MHz
VBW 10 Hz
SWT 50 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
67.48 dBuV
5.781000 GHz
Marker 2 [T1]
19.74 dBuV
5.850000 GHz
Marker 3 [T1]
22.33 dBuV
5.880200 GHz
D1 67.48 dBuV
D2 47.48 dBuV
Center 5.867 GHz
20 MHz/
Span 200 MHz

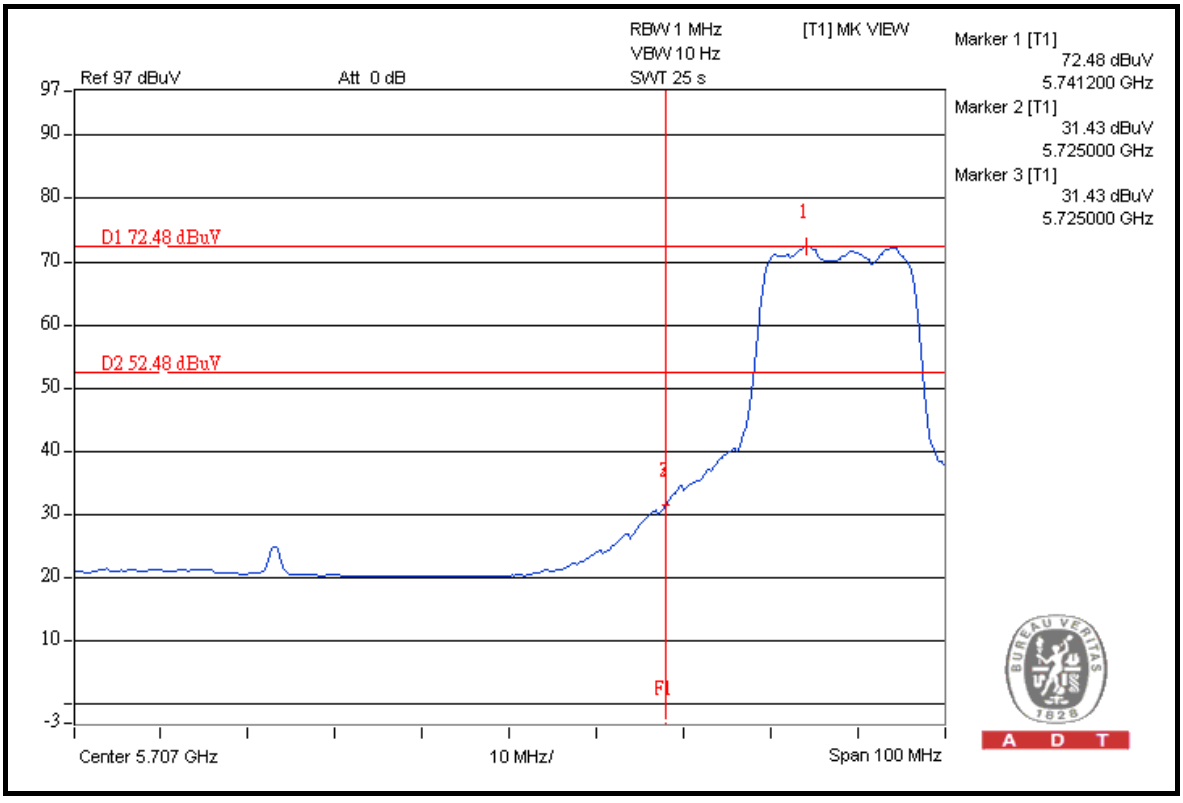

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
73.24 dBuV
5.785680 GHz
Marker 2 [T1]
40.32 dBuV
38.401200 GHz
Marker 3 [T1]
39.97 dBuV
39.840120 GHz
Marker 4 [T1]
39.58 dBuV
36.802400 GHz
D1 74.49 dBuV
D2 54.49 dBuV
Start 30 MHz
3.997 GHz/
Stop 40 GHz

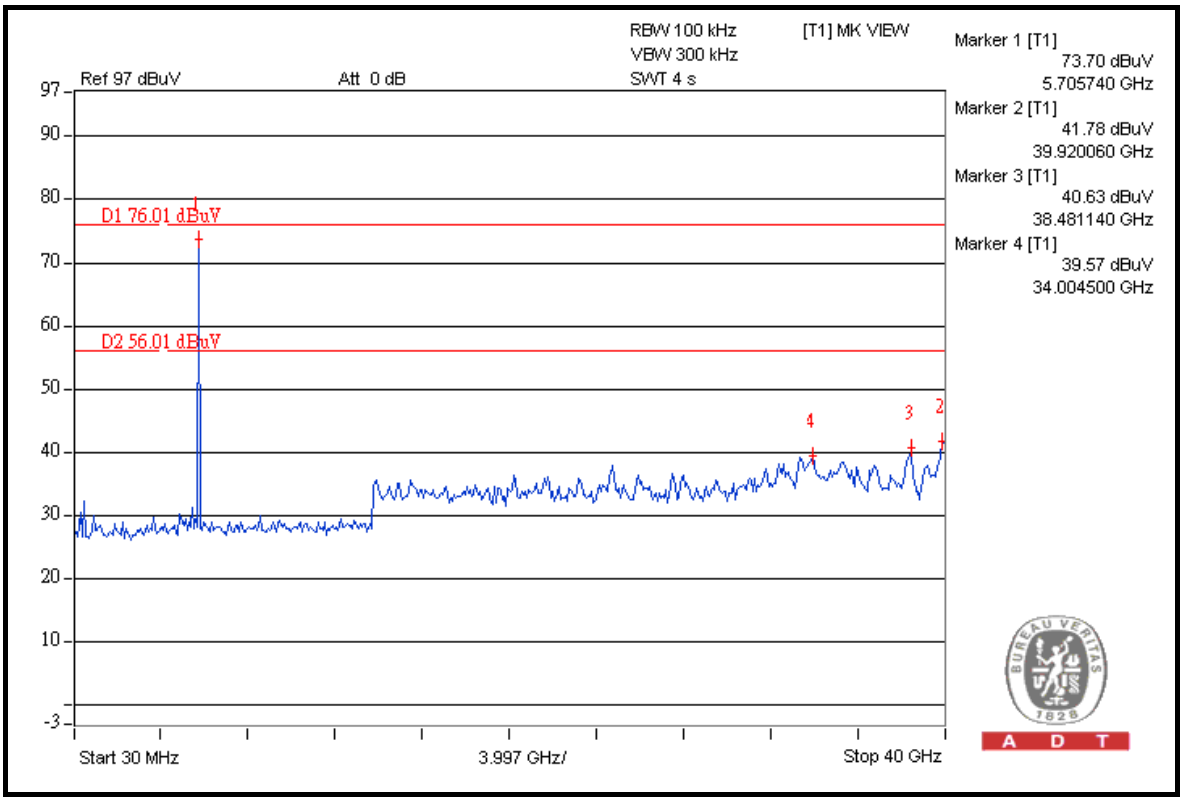
5.6.9 TEST RESULTS (TEST MODE B 2)

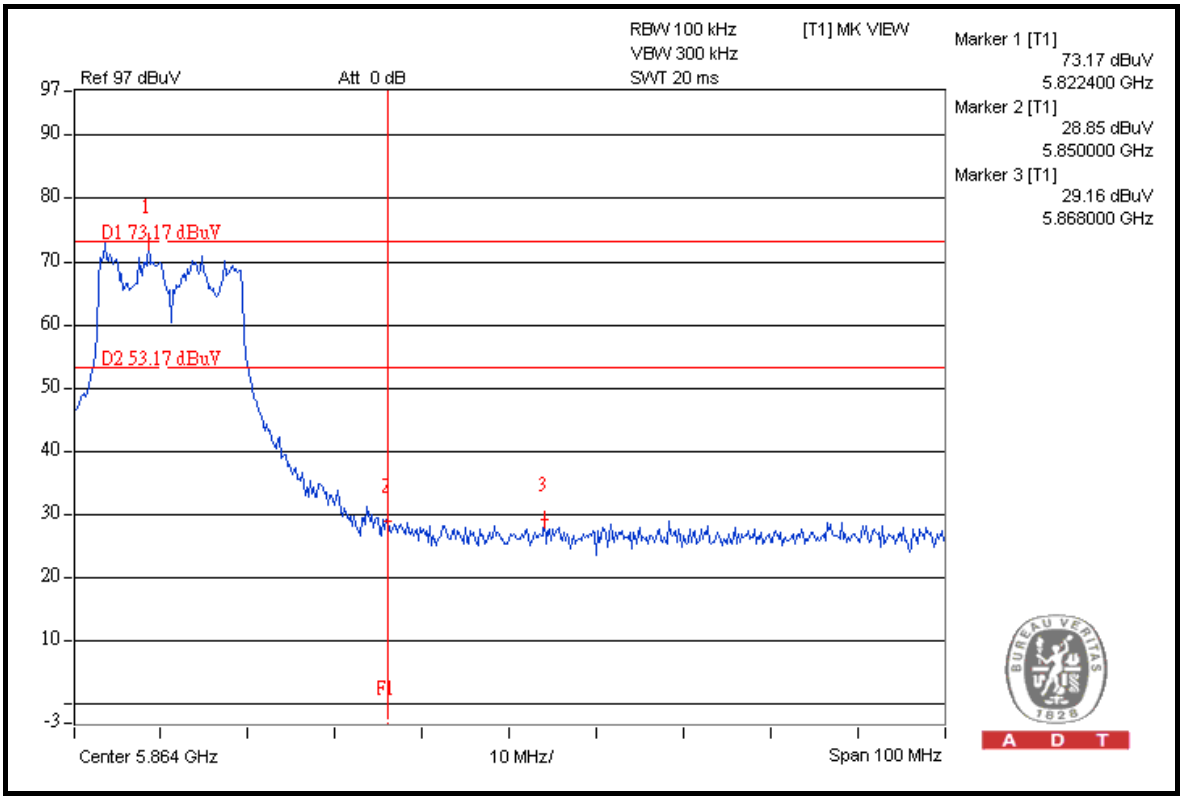
The spectrum plots are attached on the following pages. D1 line indicates the highest level, D2 line indicates the 20dB offset below D1. It shows compliance with the requirement in part 15.247(d).

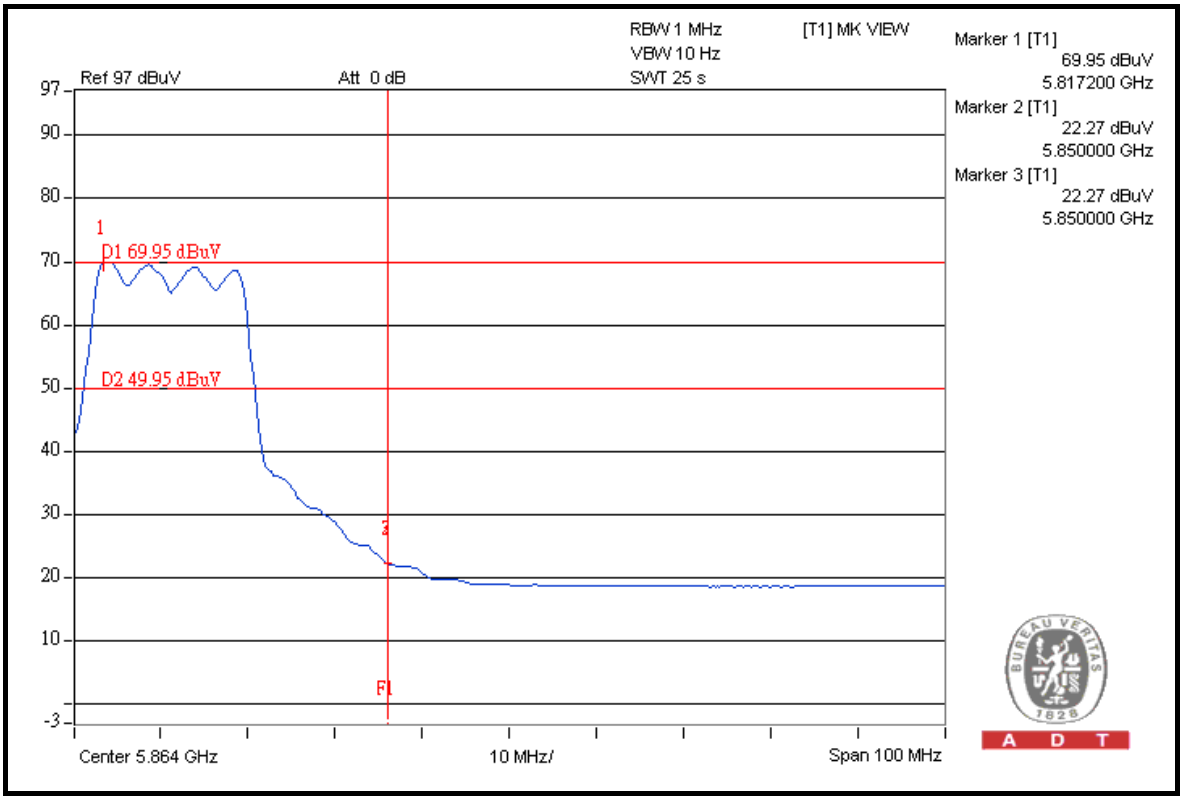
802.11a

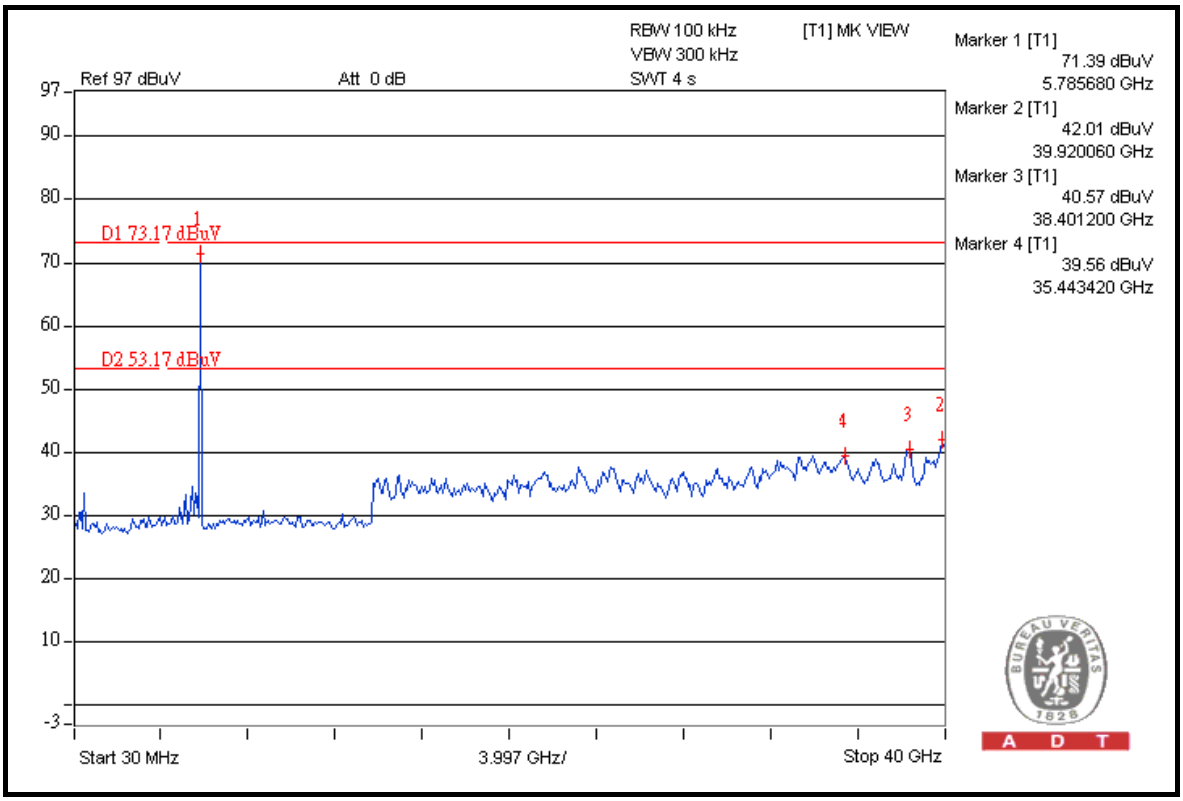

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
76.01 dBuV
5.746400 GHz
Marker 2 [T1]
34.48 dBuV
5.725000 GHz
Marker 3 [T1]
35.59 dBuV
5.724800 GHz
D1 76.01 dBuV
D2 56.01 dBuV
Center 5.707 GHz
10 MHz/
Span 100 MHz


RBW 1 MHz
VBW 10 Hz
SWT 25 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
72.48 dBuV
5.741200 GHz
Marker 2 [T1]
31.43 dBuV
5.725000 GHz
Marker 3 [T1]
31.43 dBuV
5.725000 GHz
D1 72.48 dBuV
D2 52.48 dBuV
Center 5.707 GHz
10 MHz/
Span 100 MHz

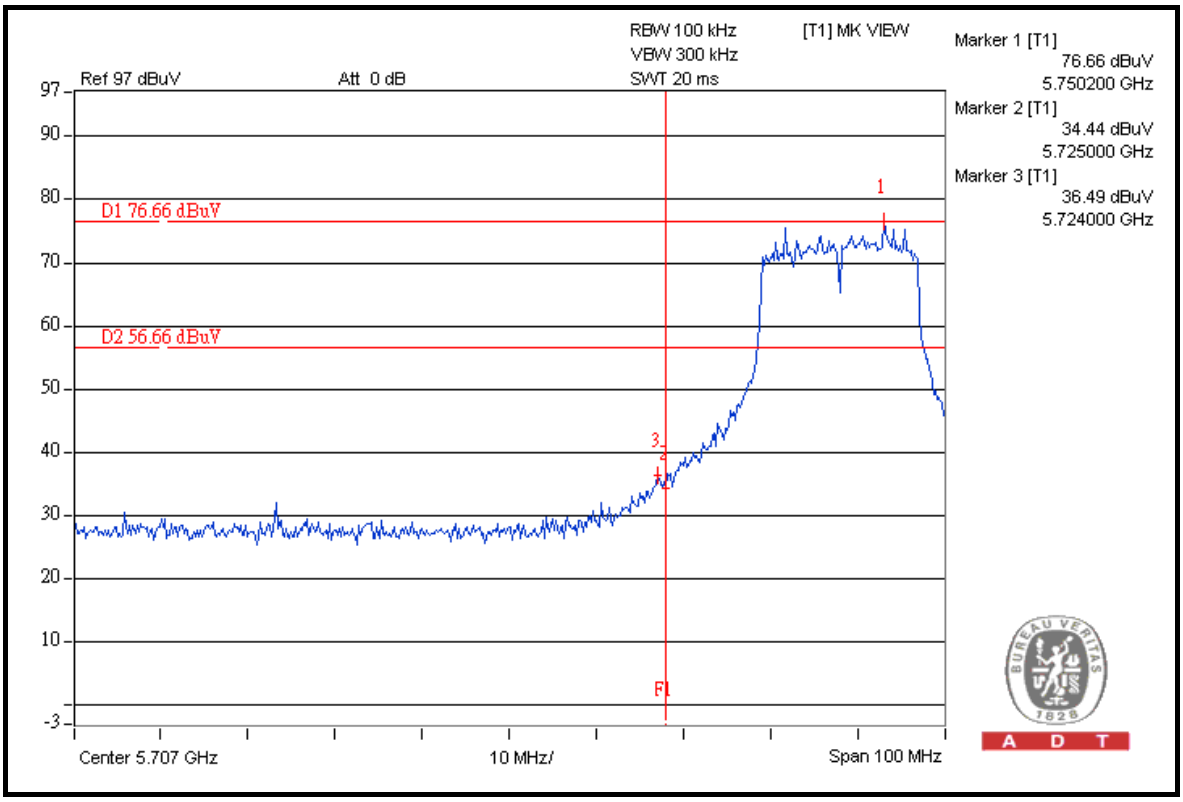

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 76.01 dBuV
D2 56.01 dBuV
Marker 1 [T1]
73.70 dBuV
5.705740 GHz
Marker 2 [T1]
41.78 dBuV
39.920060 GHz
Marker 3 [T1]
40.63 dBuV
38.481140 GHz
Marker 4 [T1]
39.57 dBuV
34.004500 GHz
Start 30 MHz
3.997 GHz/
Stop 40 GHz

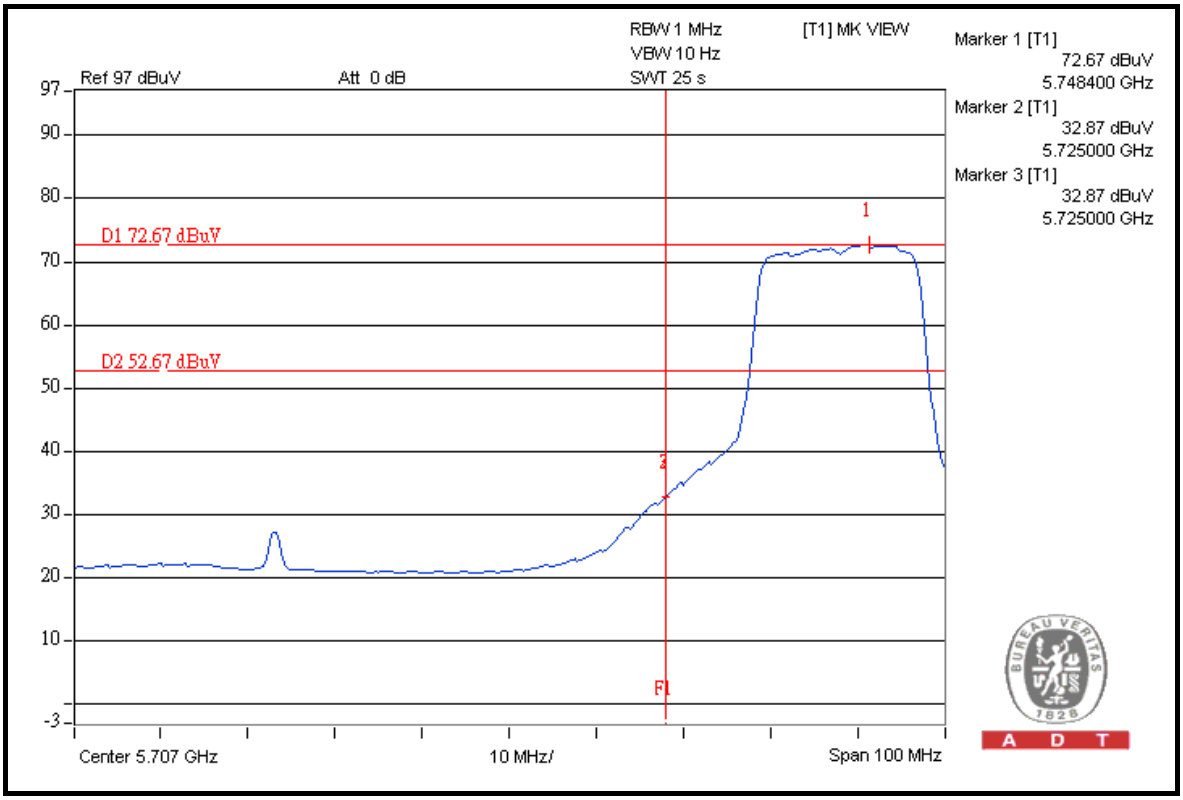

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 73.17 dBuV
D2 53.17 dBuV
Marker 1 [T1]
73.17 dBuV
5.822400 GHz
Marker 2 [T1]
28.85 dBuV
5.850000 GHz
Marker 3 [T1]
29.16 dBuV
5.868000 GHz
Center 5.864 GHz
10 MHz/
Span 100 MHz

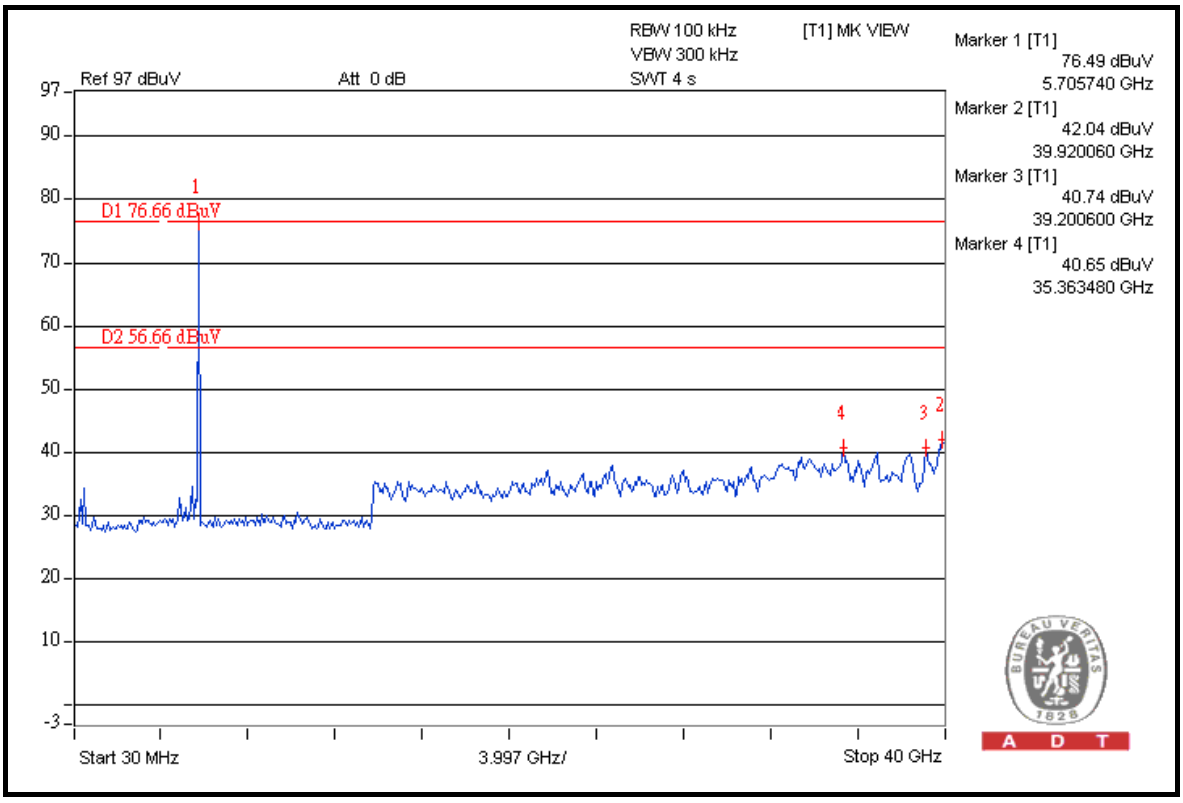

RBW 1 MHz
VBW 10 Hz
SWT 25 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
69.95 dBuV
5.817200 GHz
Marker 2 [T1]
22.27 dBuV
5.850000 GHz
Marker 3 [T1]
22.27 dBuV
5.850000 GHz
D1 69.95 dBuV
D2 49.95 dBuV
Center 5.864 GHz
10 MHz/
Span 100 MHz

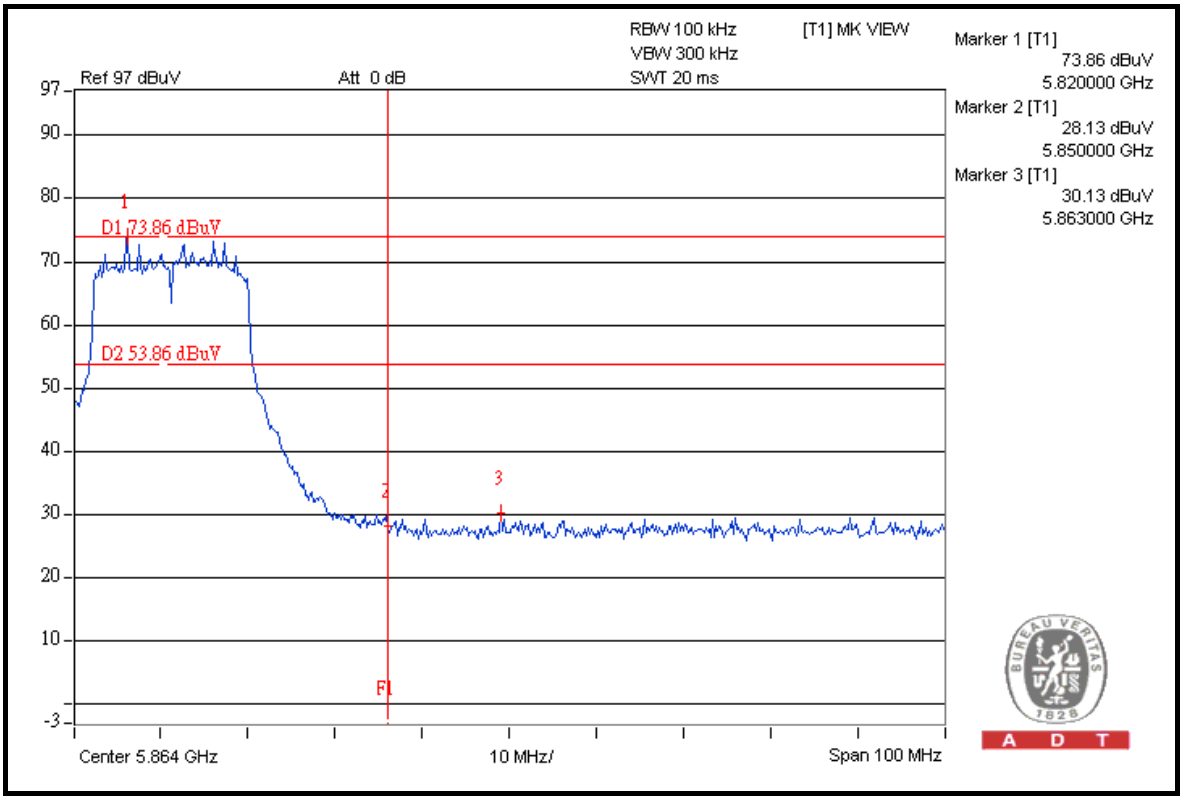

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
71.39 dBuV
5.785680 GHz
Marker 2 [T1]
42.01 dBuV
39.920060 GHz
Marker 3 [T1]
40.57 dBuV
38.401200 GHz
Marker 4 [T1]
39.56 dBuV
35.443420 GHz
D1 73.17 dBuV
D2 53.17 dBuV
Start 30 MHz
3.997 GHz/
Stop 40 GHz

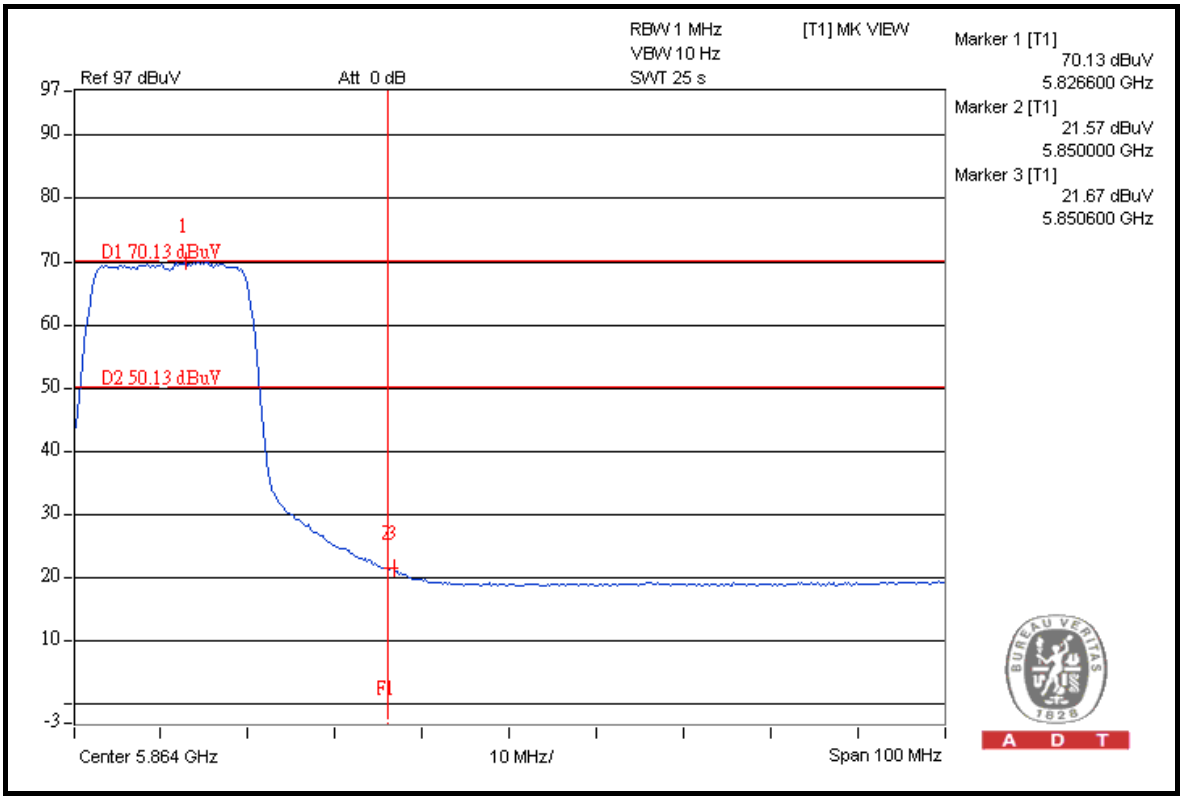
802.11n (20MHz)

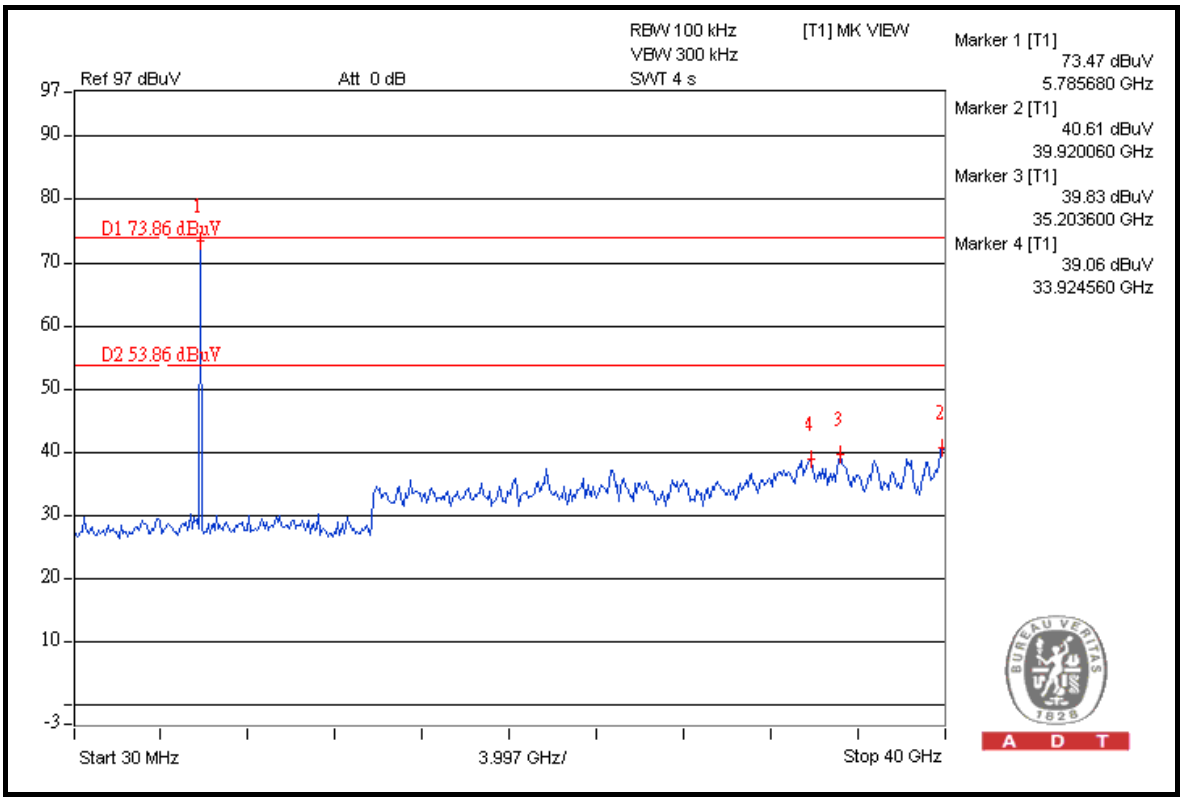




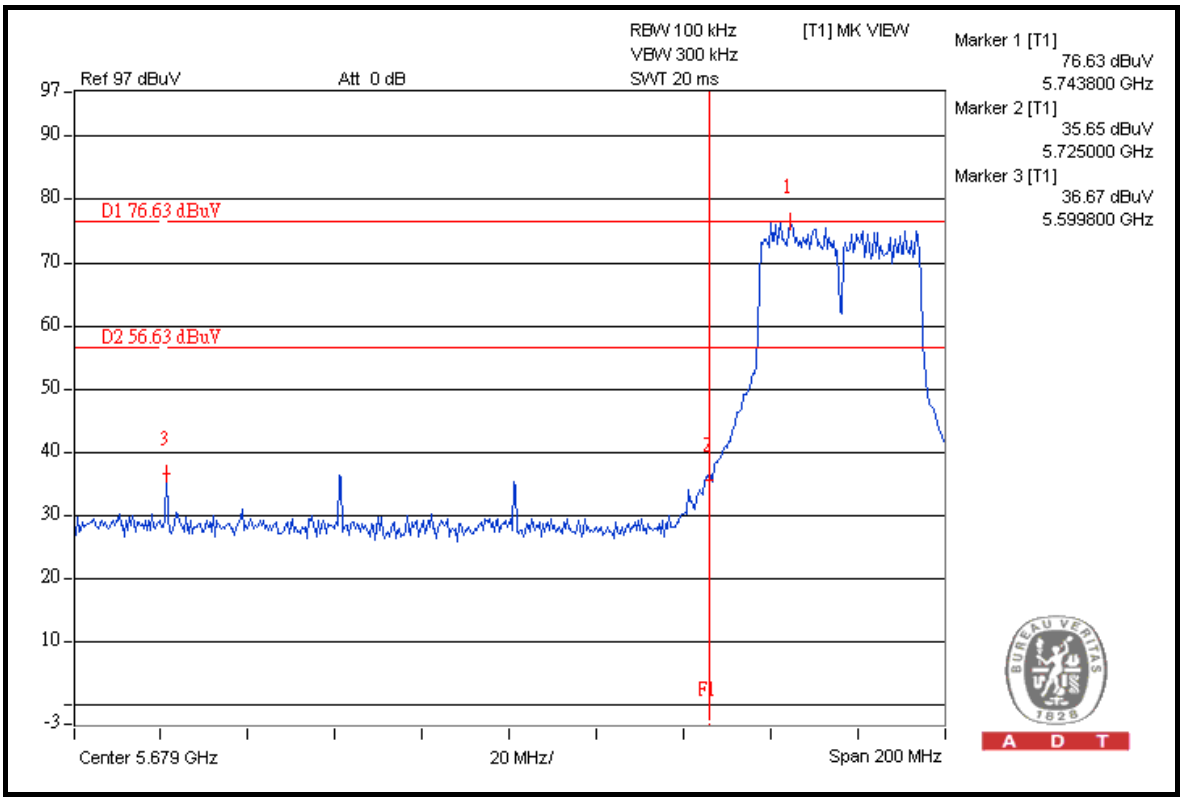

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 76.66 dBuV
D2 56.66 dBuV
Marker 1 [T1]
76.49 dBuV
5.705740 GHz
Marker 2 [T1]
42.04 dBuV
39.920060 GHz
Marker 3 [T1]
40.74 dBuV
39.200600 GHz
Marker 4 [T1]
40.65 dBuV
35.363480 GHz
Start 30 MHz
3.997 GHz/
Stop 40 GHz

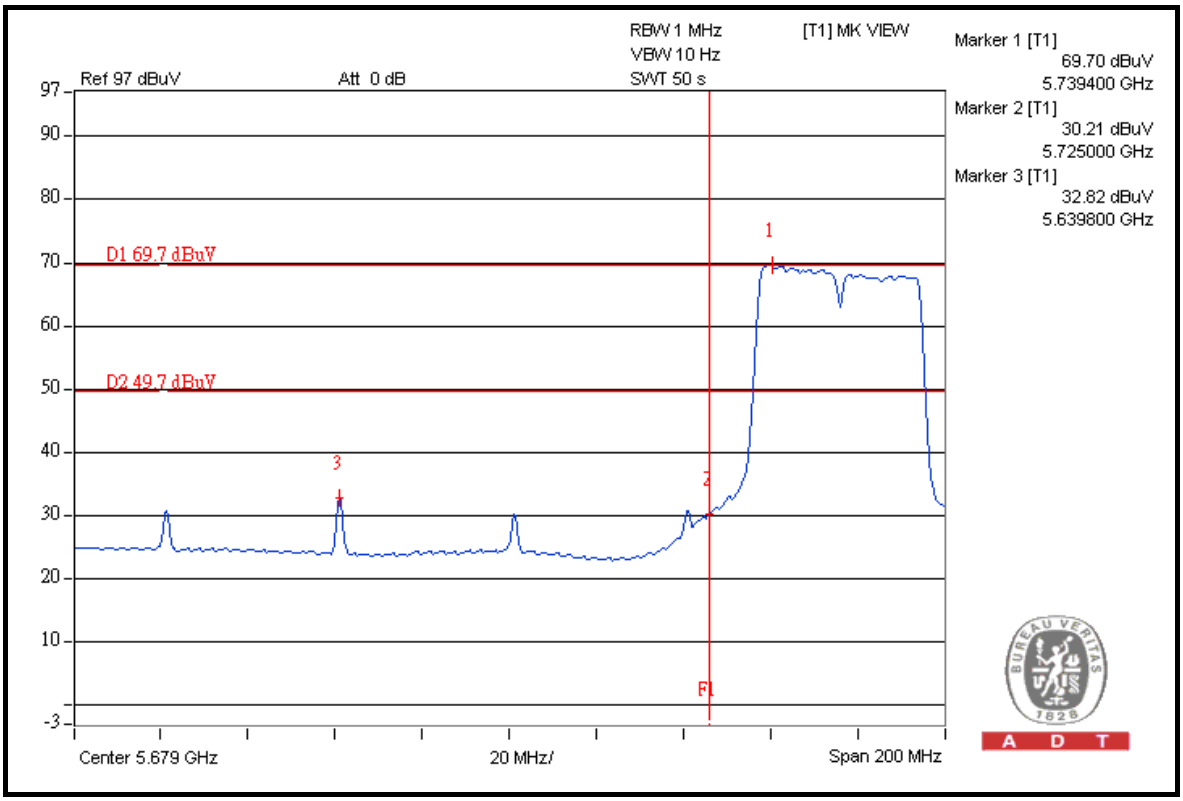

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 73.86 dBuV
D2 53.86 dBuV
Marker 1 [T1]
73.86 dBuV
5.820000 GHz
Marker 2 [T1]
28.13 dBuV
5.850000 GHz
Marker 3 [T1]
30.13 dBuV
5.863000 GHz
Center 5.864 GHz
10 MHz/
Span 100 MHz

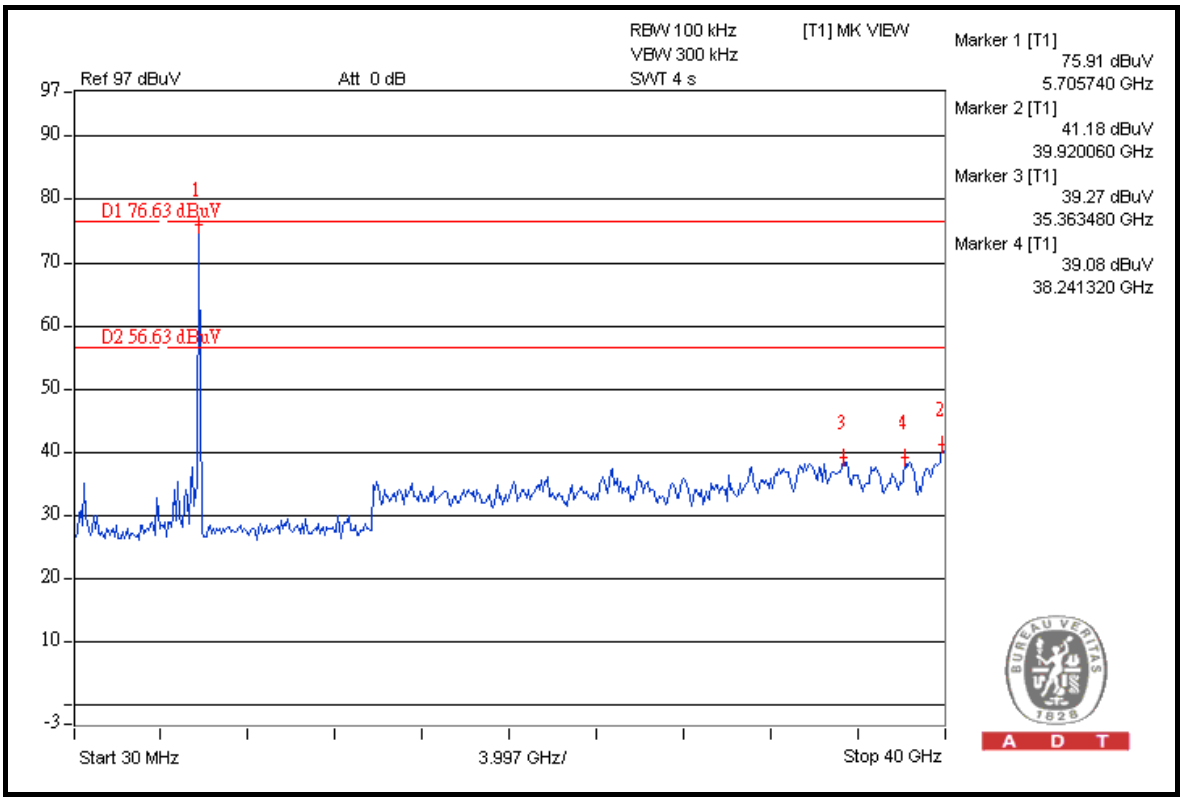

RBW 1 MHz
VBW 10 Hz
SWT 25 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
70.13 dBuV
5.826600 GHz
Marker 2 [T1]
21.57 dBuV
5.850000 GHz
Marker 3 [T1]
21.67 dBuV
5.850600 GHz
D1 70.13 dBuV
D2 50.13 dBuV
Center 5.864 GHz
10 MHz/
Span 100 MHz

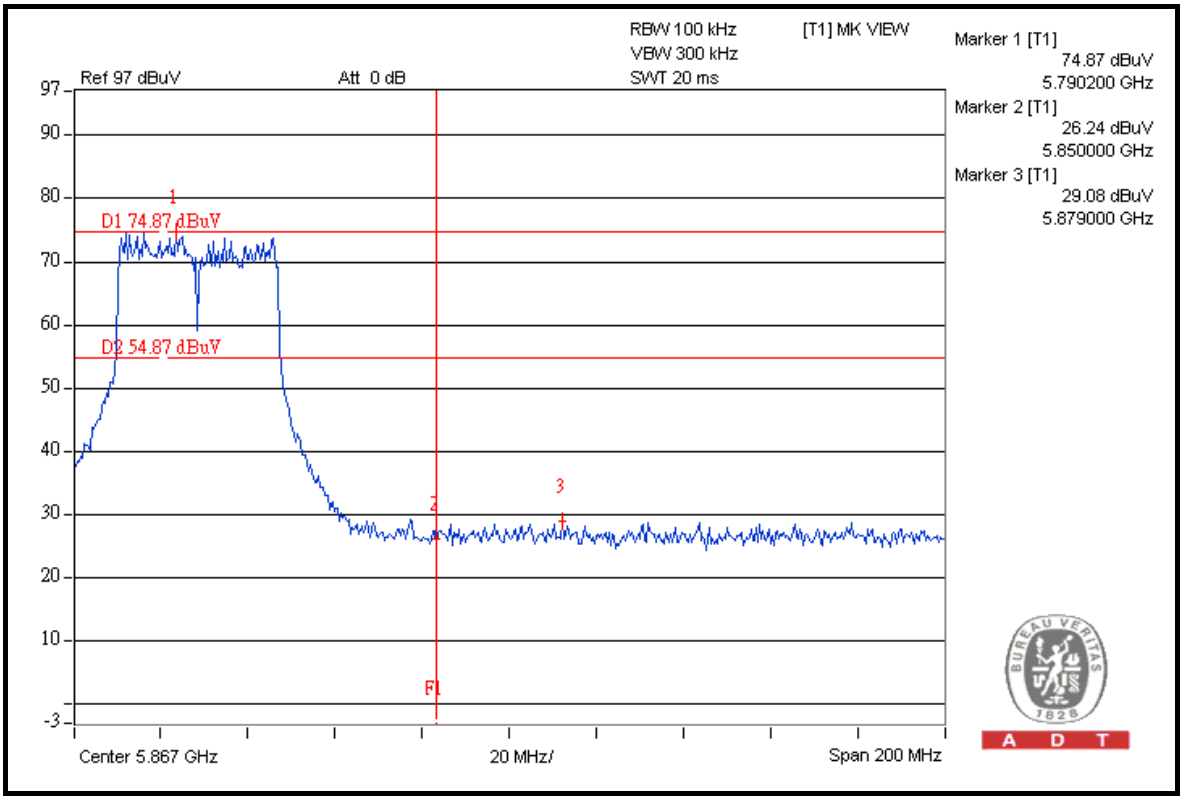

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
73.47 dBuV
5.785680 GHz
Marker 2 [T1]
40.61 dBuV
39.920060 GHz
Marker 3 [T1]
39.83 dBuV
35.203600 GHz
Marker 4 [T1]
39.06 dBuV
33.924560 GHz
D1 73.86 dBuV
D2 53.86 dBuV
Start 30 MHz
3.997 GHz/
Stop 40 GHz

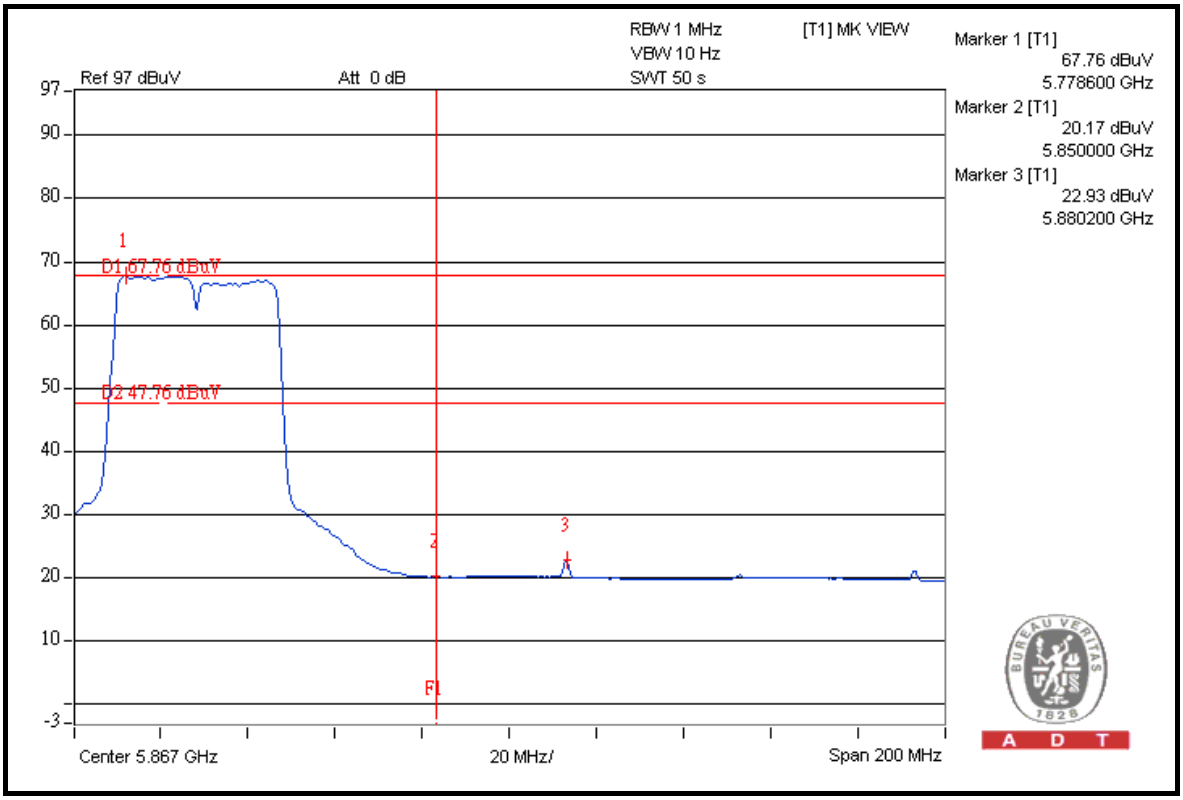
802.11n (40MHz)

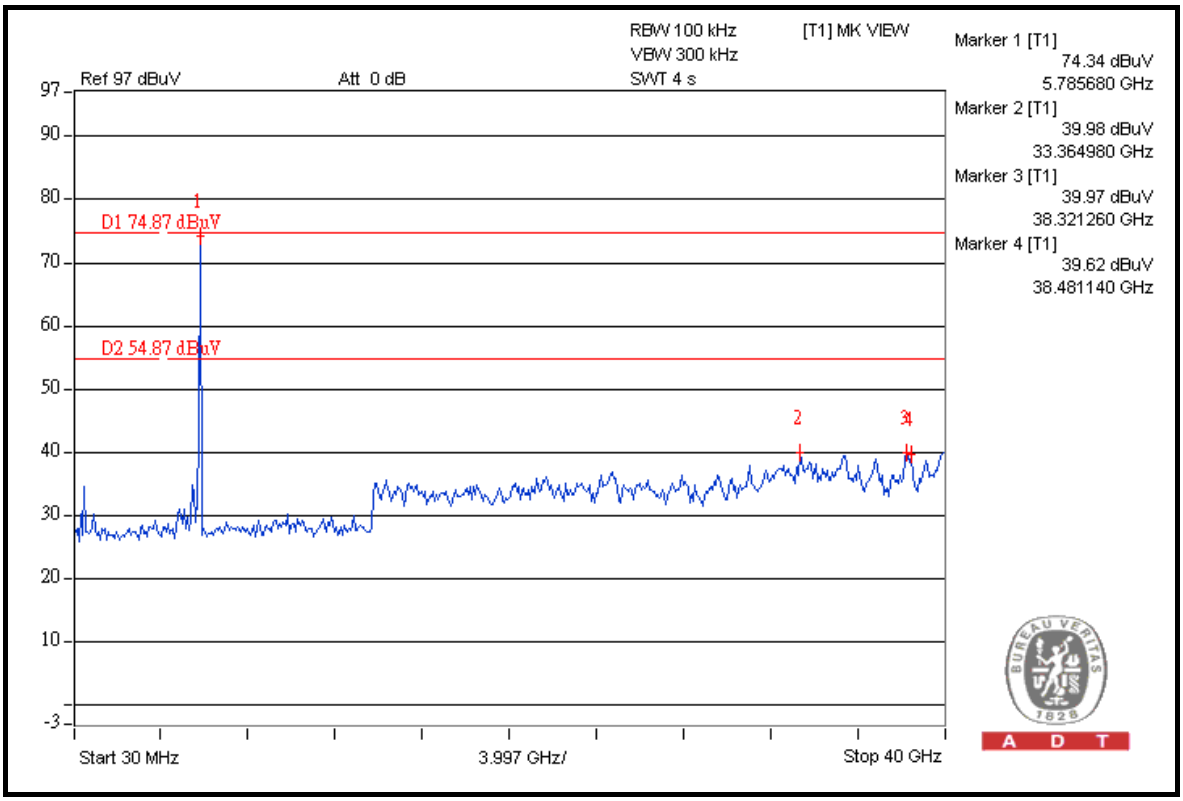





RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 76.63 dBuV
D2 56.63 dBuV
Marker 1 [T1]
75.91 dBuV
5.705740 GHz
Marker 2 [T1]
41.18 dBuV
39.920060 GHz
Marker 3 [T1]
39.27 dBuV
35.363480 GHz
Marker 4 [T1]
39.08 dBuV
38.241320 GHz
Start 30 MHz
3.997 GHz/
Stop 40 GHz


RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 74.87 dBuV
D2 54.87 dBuV
Marker 1 [T1]
74.87 dBuV
5.790200 GHz
Marker 2 [T1]
26.24 dBuV
5.850000 GHz
Marker 3 [T1]
29.08 dBuV
5.879000 GHz
Center 5.867 GHz
20 MHz/
Span 200 MHz

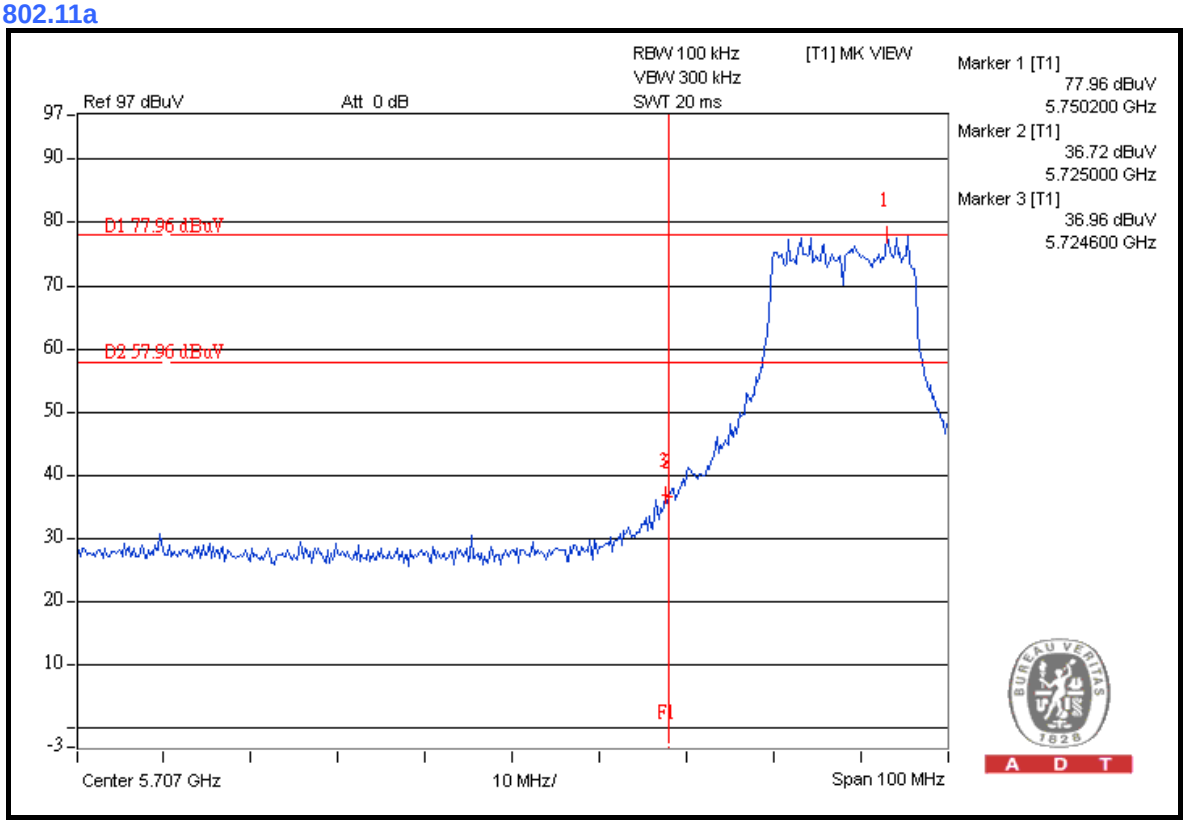

RBW 1 MHz
VBW 10 Hz
SWT 50 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
67.76 dBuV
5.778600 GHz
Marker 2 [T1]
20.17 dBuV
5.850000 GHz
Marker 3 [T1]
22.93 dBuV
5.880200 GHz
D1 67.76 dBuV
D2 47.76 dBuV
Center 5.867 GHz
20 MHz/
Span 200 MHz

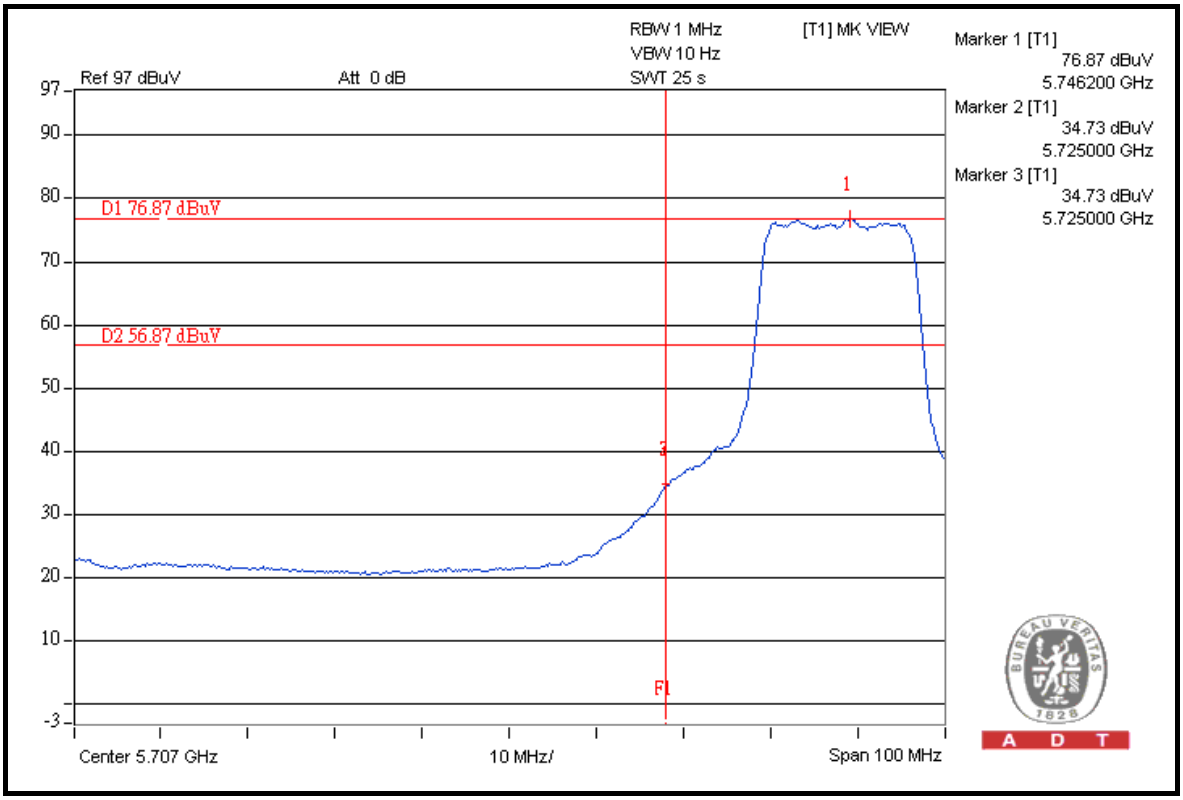

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
74.34 dBuV
5.785680 GHz
Marker 2 [T1]
39.98 dBuV
33.364980 GHz
Marker 3 [T1]
39.97 dBuV
38.321260 GHz
Marker 4 [T1]
39.62 dBuV
38.481140 GHz
D1 74.87 dBuV
D2 54.87 dBuV
Start 30 MHz
3.997 GHz/
Stop 40 GHz

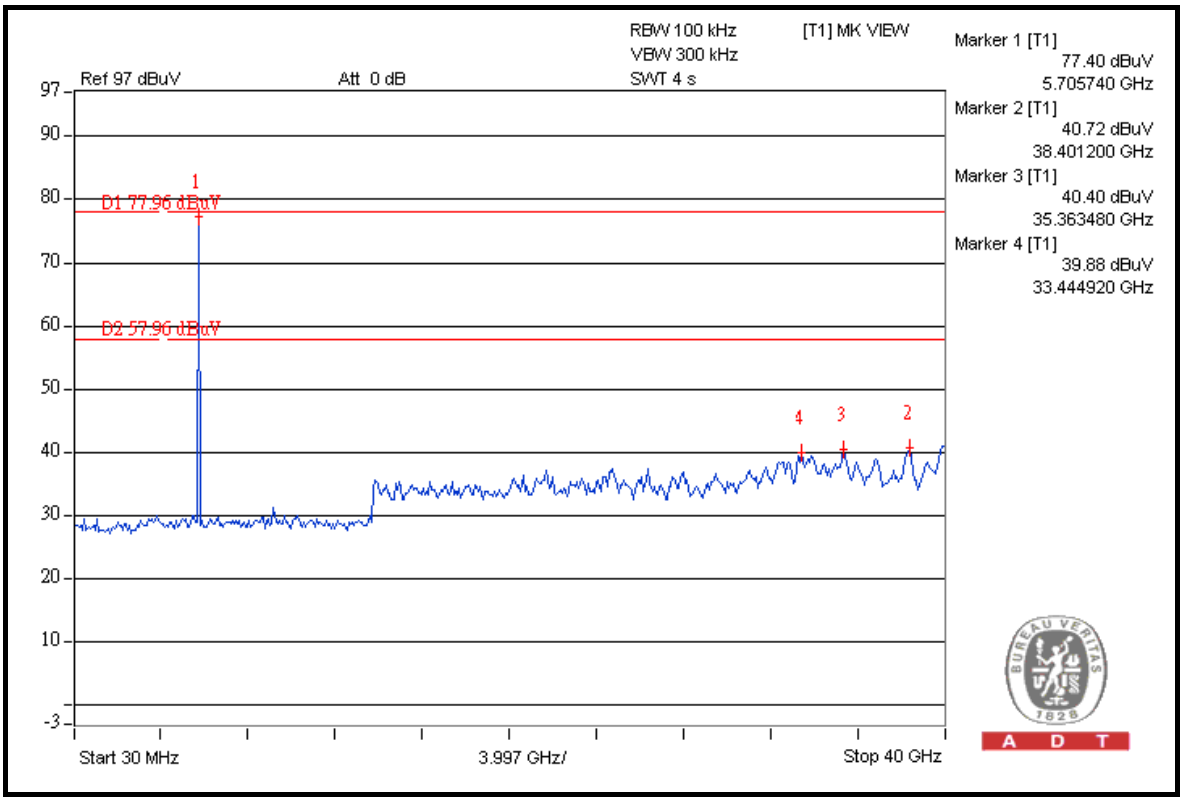
5.6.10 TEST RESULTS (TEST MODE C 1)

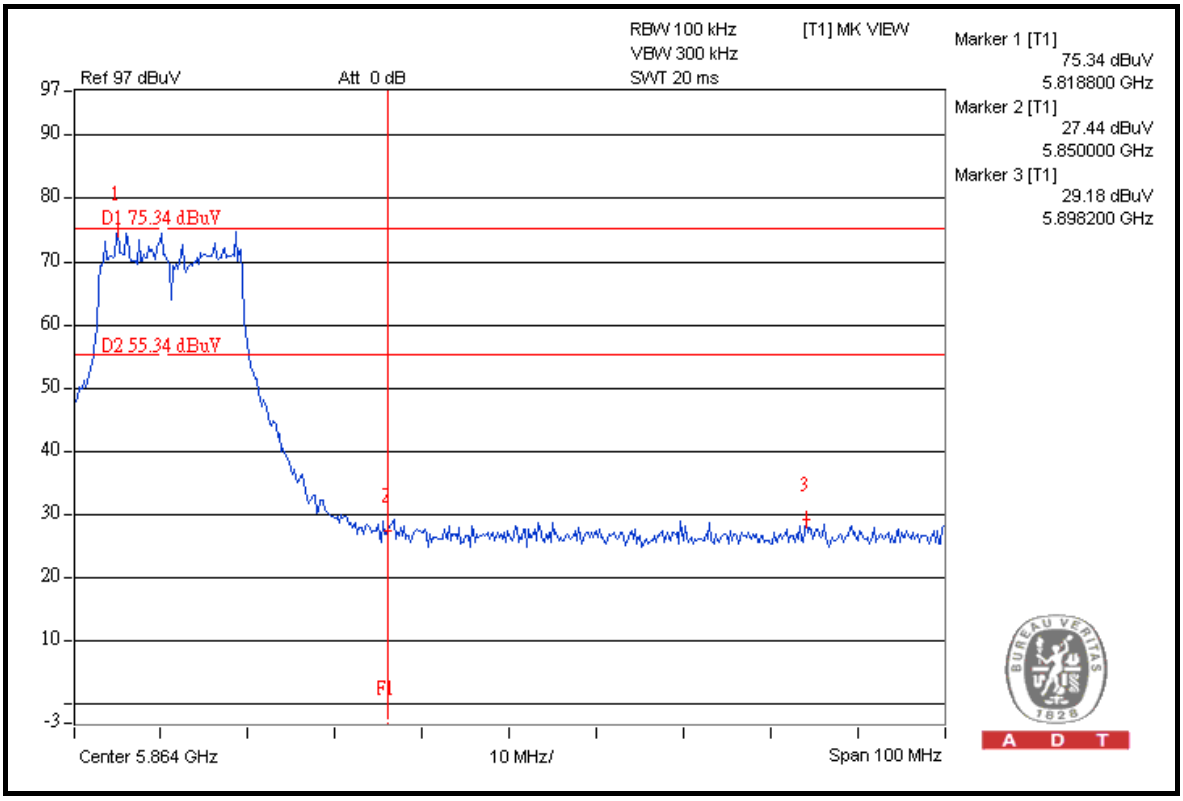
The spectrum plots are attached on the following pages. D1 line indicates the highest level, D2 line indicates the 20dB offset below D1. It shows compliance with the requirement in part 15.247(d).

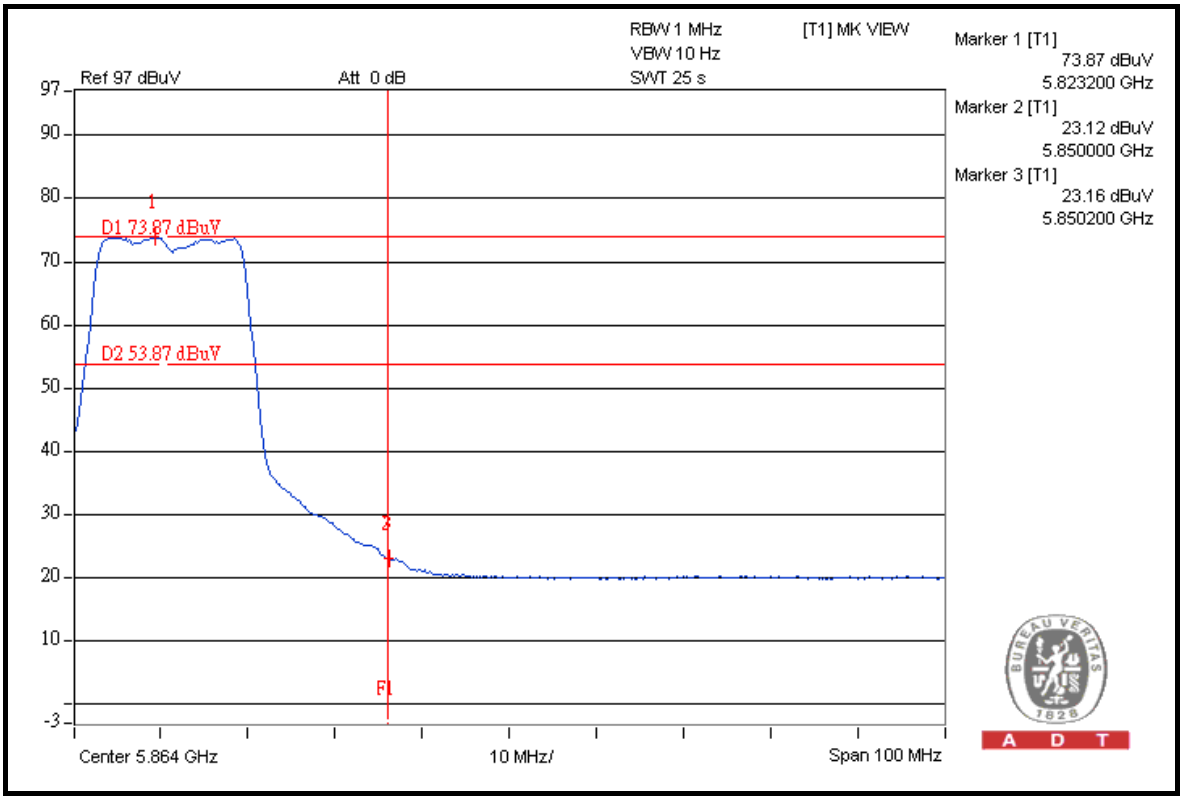
802.11a

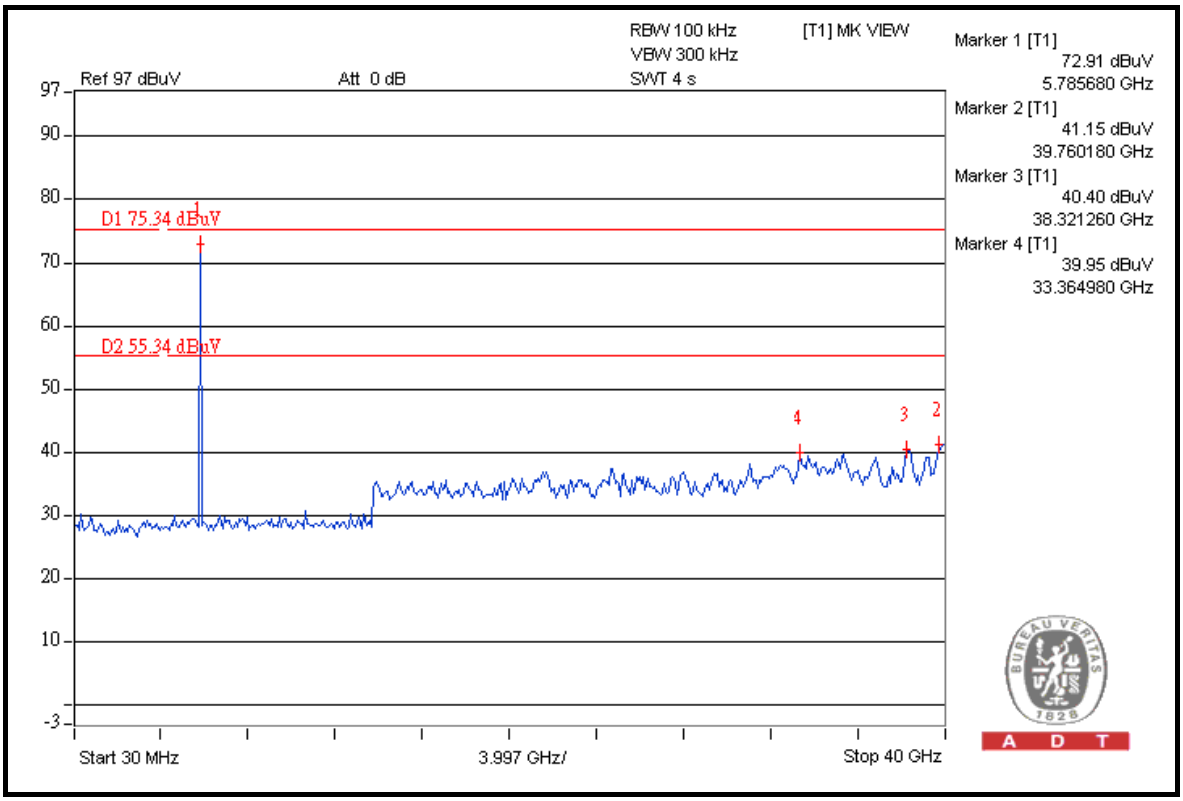

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
77.96 dBuV
5.750200 GHz
Marker 2 [T1]
36.72 dBuV
5.725000 GHz
Marker 3 [T1]
36.96 dBuV
5.724600 GHz
D1 77.96 dBuV
D2 57.96 dBuV
Center 5.707 GHz
10 MHz/
Span 100 MHz


RBW 1 MHz
VBW 10 Hz
SWT 25 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
76.87 dBuV
5.746200 GHz
Marker 2 [T1]
34.73 dBuV
5.725000 GHz
Marker 3 [T1]
34.73 dBuV
5.725000 GHz
D1 76.87 dBuV
D2 56.87 dBuV
Center 5.707 GHz
10 MHz/
Span 100 MHz

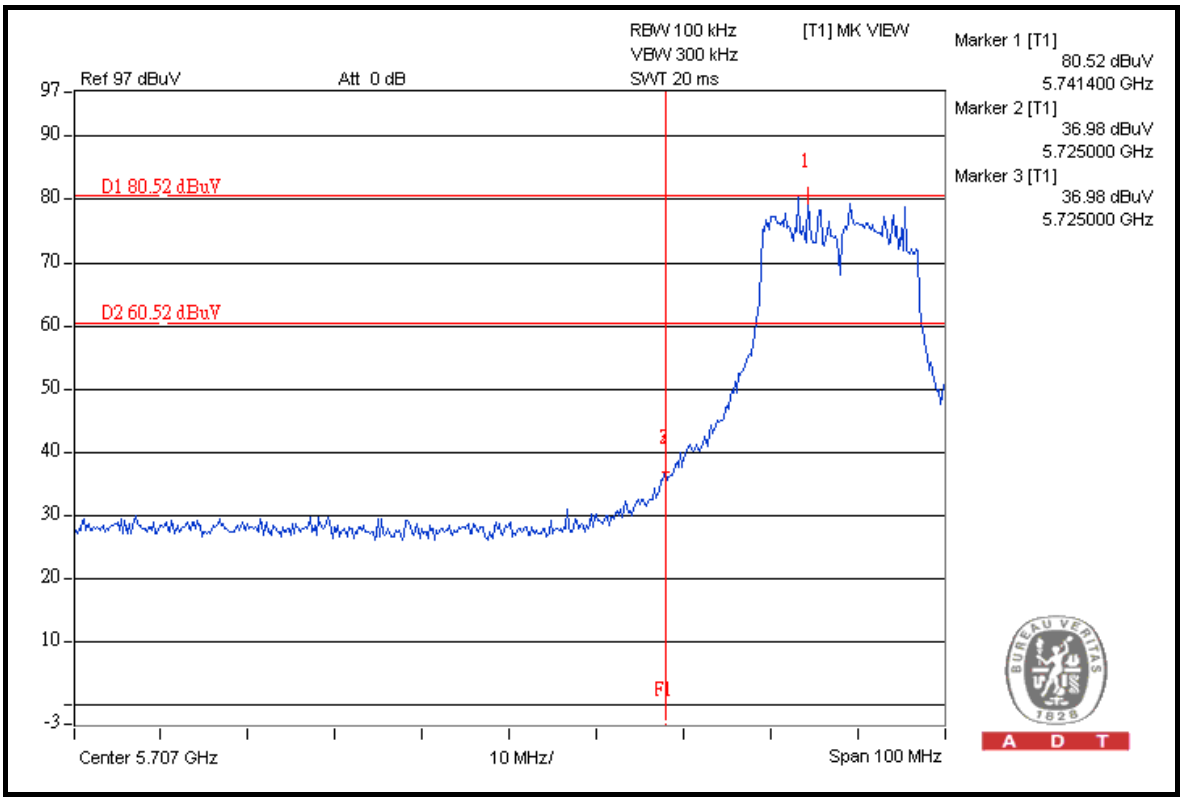

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 77.96 dBuV
D2 57.96 dBuV
Marker 1 [T1]
77.40 dBuV
5.705740 GHz
Marker 2 [T1]
40.72 dBuV
38.401200 GHz
Marker 3 [T1]
40.40 dBuV
35.363480 GHz
Marker 4 [T1]
39.88 dBuV
33.444920 GHz
Start 30 MHz
3.997 GHz/
Stop 40 GHz

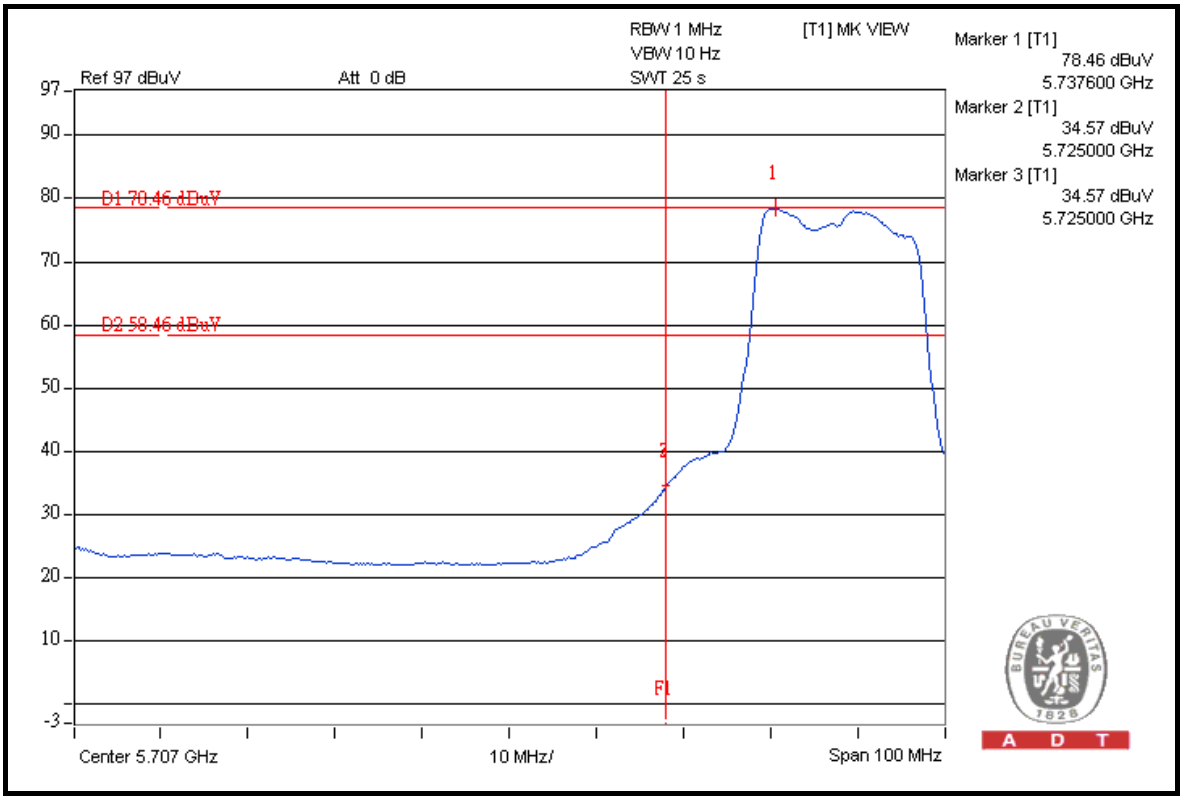

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 75.34 dBuV
D2 55.34 dBuV
Marker 1 [T1]
75.34 dBuV
5.818800 GHz
Marker 2 [T1]
27.44 dBuV
5.850000 GHz
Marker 3 [T1]
29.18 dBuV
5.898200 GHz
Center 5.864 GHz
10 MHz/
Span 100 MHz

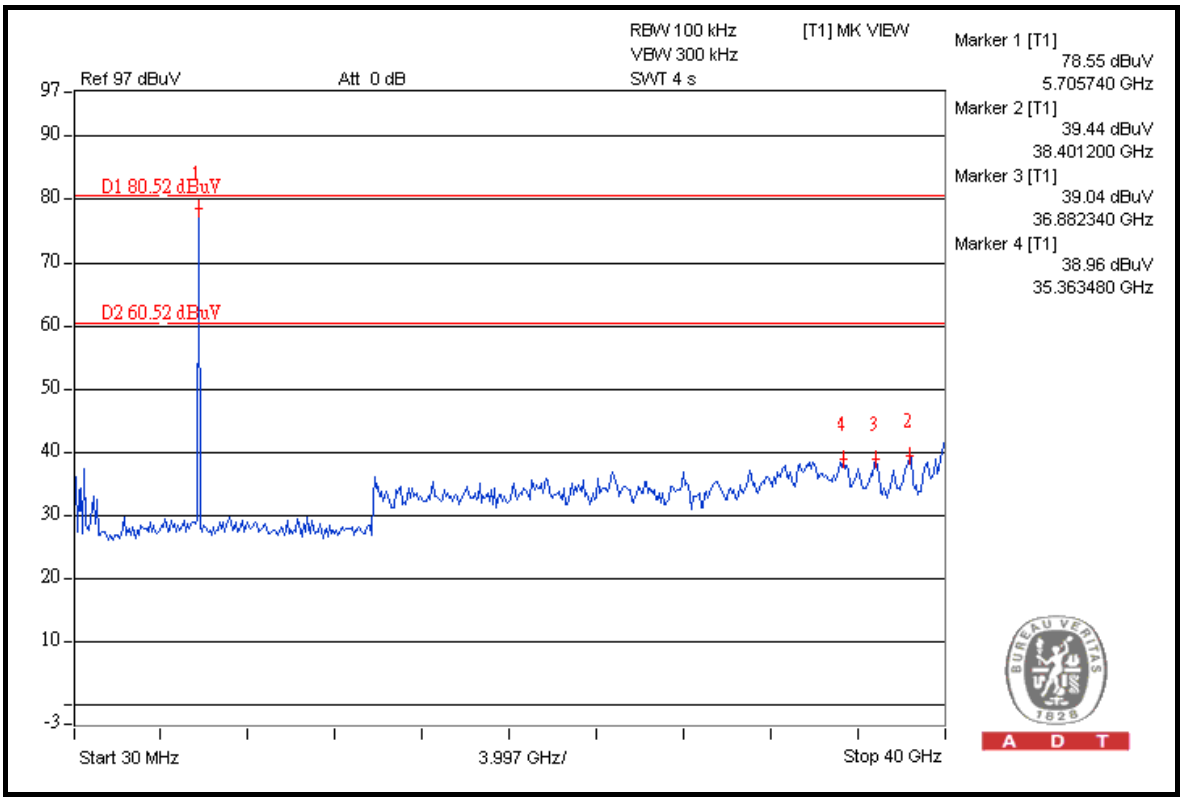

RBW 1 MHz
VBW 10 Hz
SWT 25 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
73.87 dBuV
5.823200 GHz
Marker 2 [T1]
23.12 dBuV
5.850000 GHz
Marker 3 [T1]
23.16 dBuV
5.850200 GHz
D1 73.87 dBuV
D2 53.87 dBuV
Center 5.864 GHz
10 MHz/
Span 100 MHz

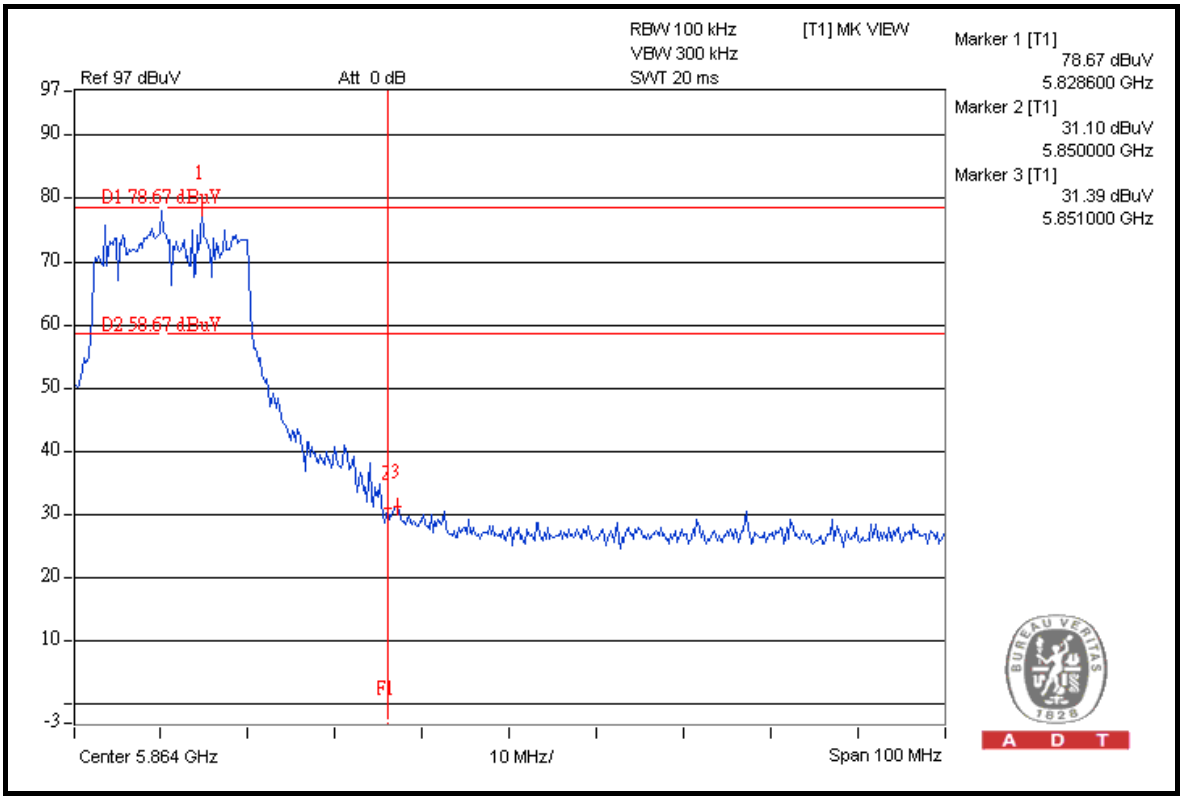

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
72.91 dBuV
5.785680 GHz
Marker 2 [T1]
41.15 dBuV
39.760180 GHz
Marker 3 [T1]
40.40 dBuV
38.321260 GHz
Marker 4 [T1]
39.95 dBuV
33.364980 GHz
D1 75.34 dBuV
D2 55.34 dBuV
Start 30 MHz
3.997 GHz/
Stop 40 GHz

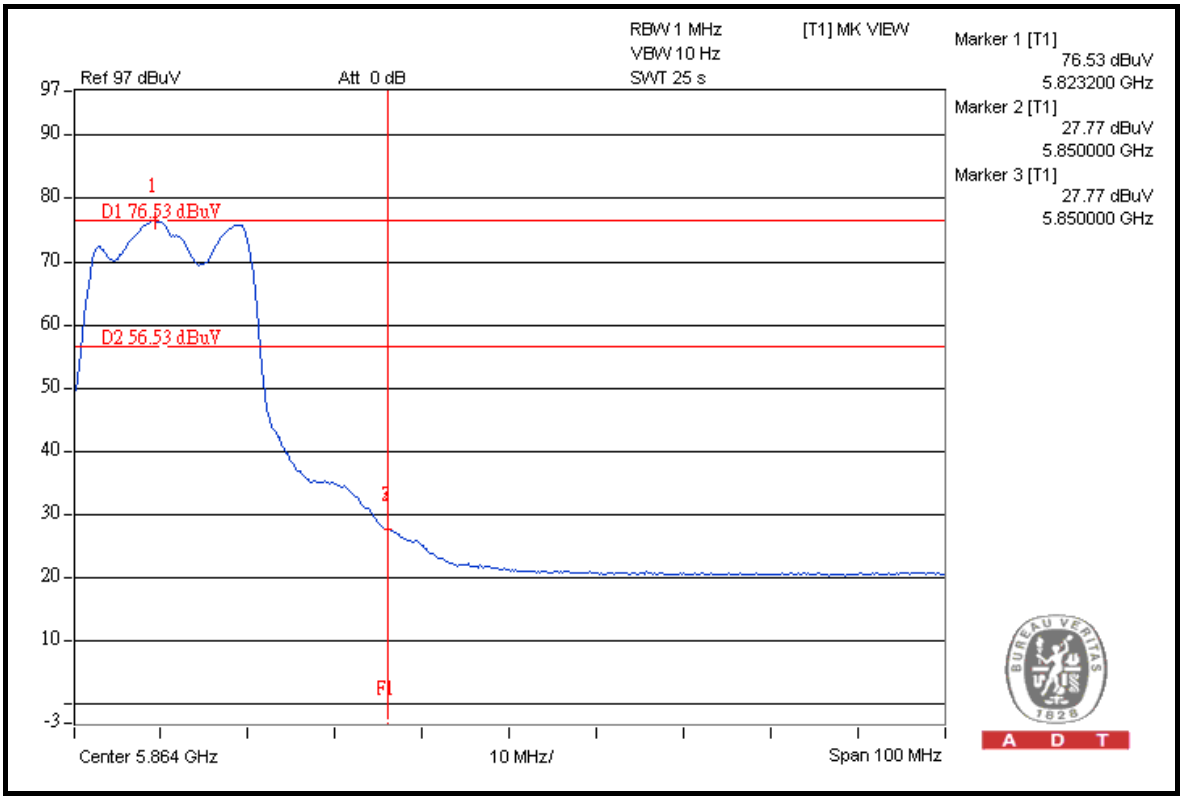
802.11n (20MHz)

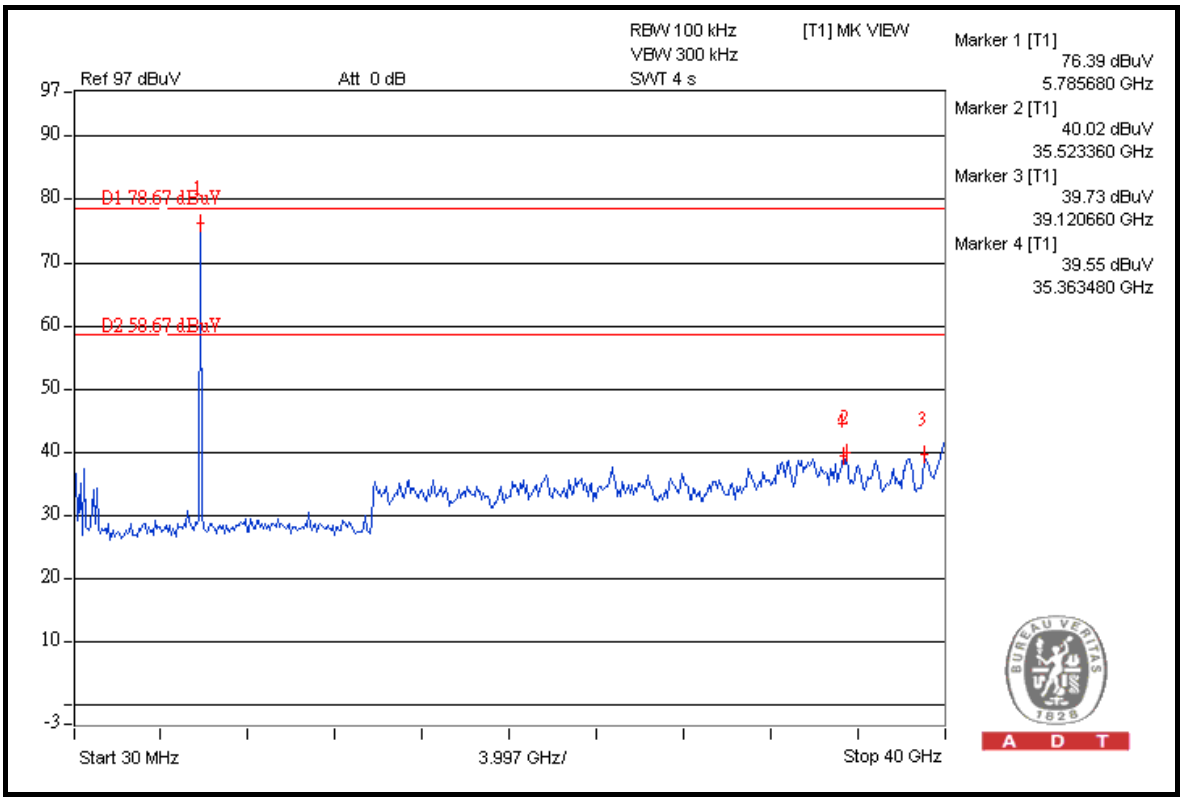




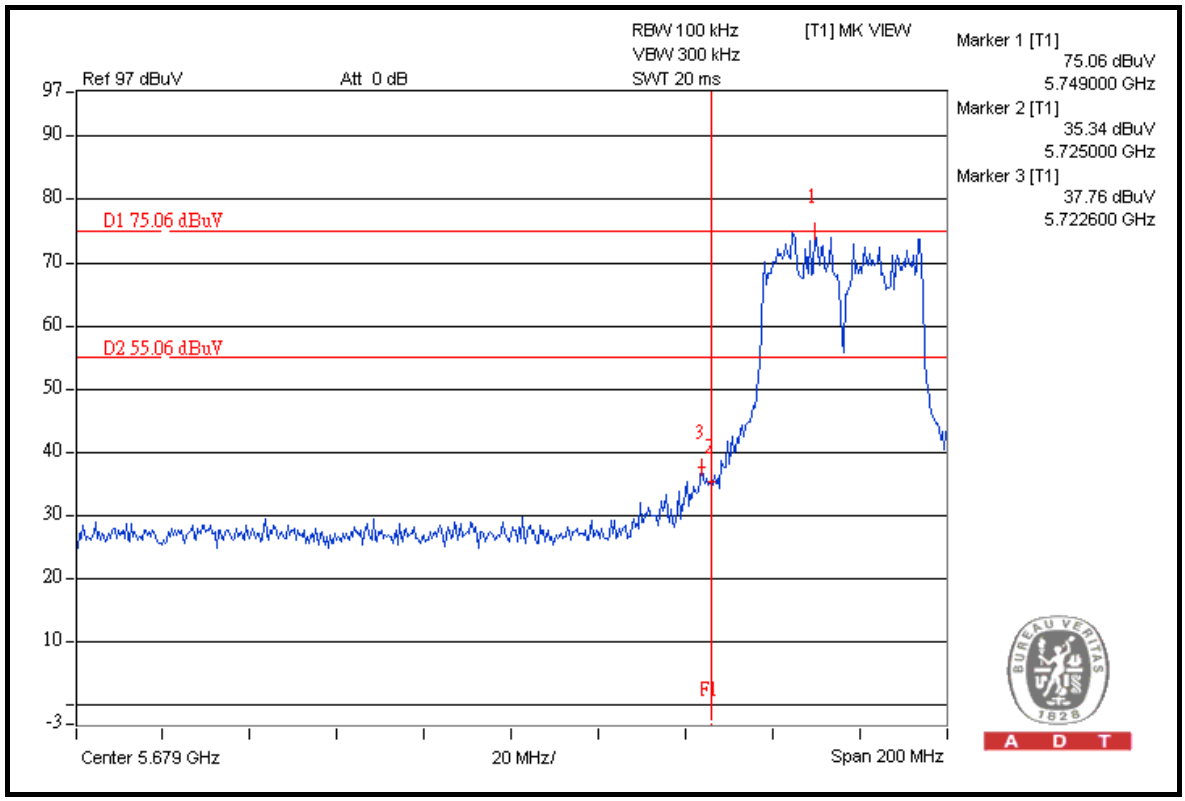

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 80.52 dBuV
D2 60.52 dBuV
Marker 1 [T1]
78.55 dBuV
5.705740 GHz
Marker 2 [T1]
39.44 dBuV
38.401200 GHz
Marker 3 [T1]
39.04 dBuV
36.882340 GHz
Marker 4 [T1]
38.96 dBuV
35.363480 GHz
Start 30 MHz
3.997 GHz/
Stop 40 GHz

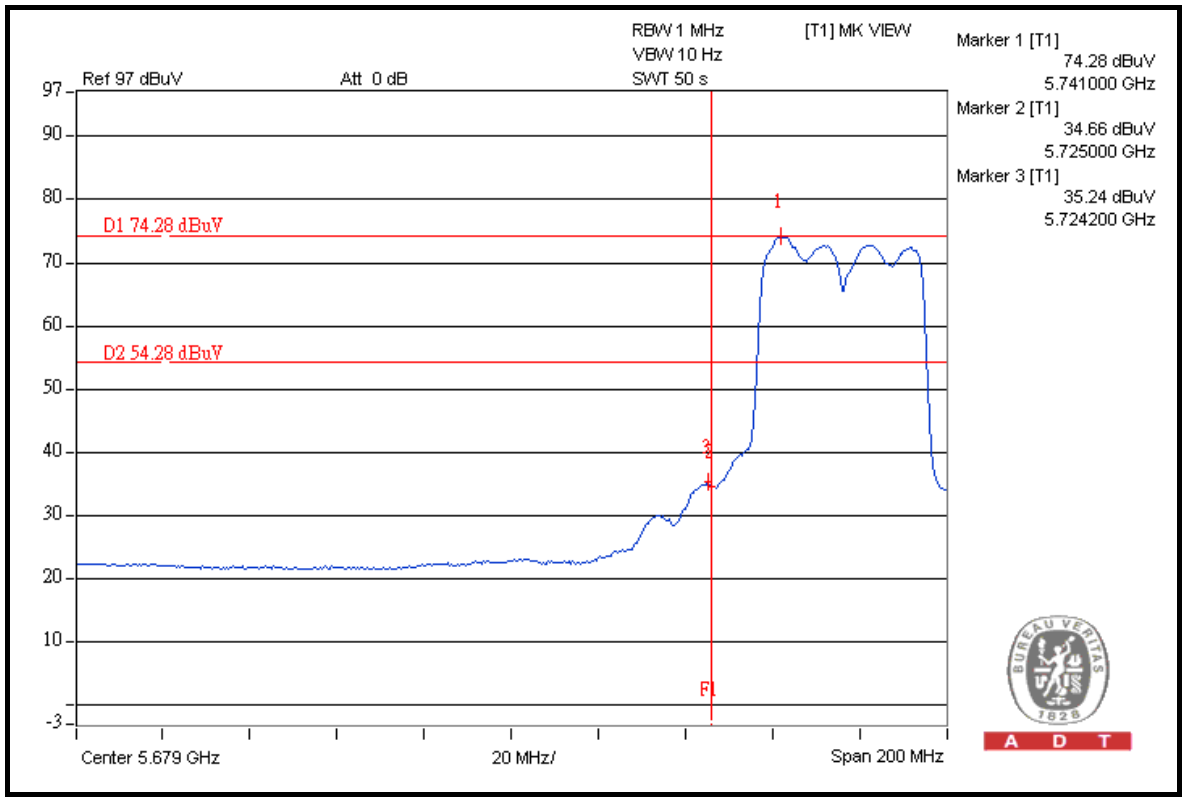

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 78.67 dBuV
D2 58.67 dBuV
Marker 1 [T1]
78.67 dBuV
5.828600 GHz
Marker 2 [T1]
31.10 dBuV
5.850000 GHz
Marker 3 [T1]
31.39 dBuV
5.851000 GHz
Center 5.864 GHz
10 MHz/
Span 100 MHz

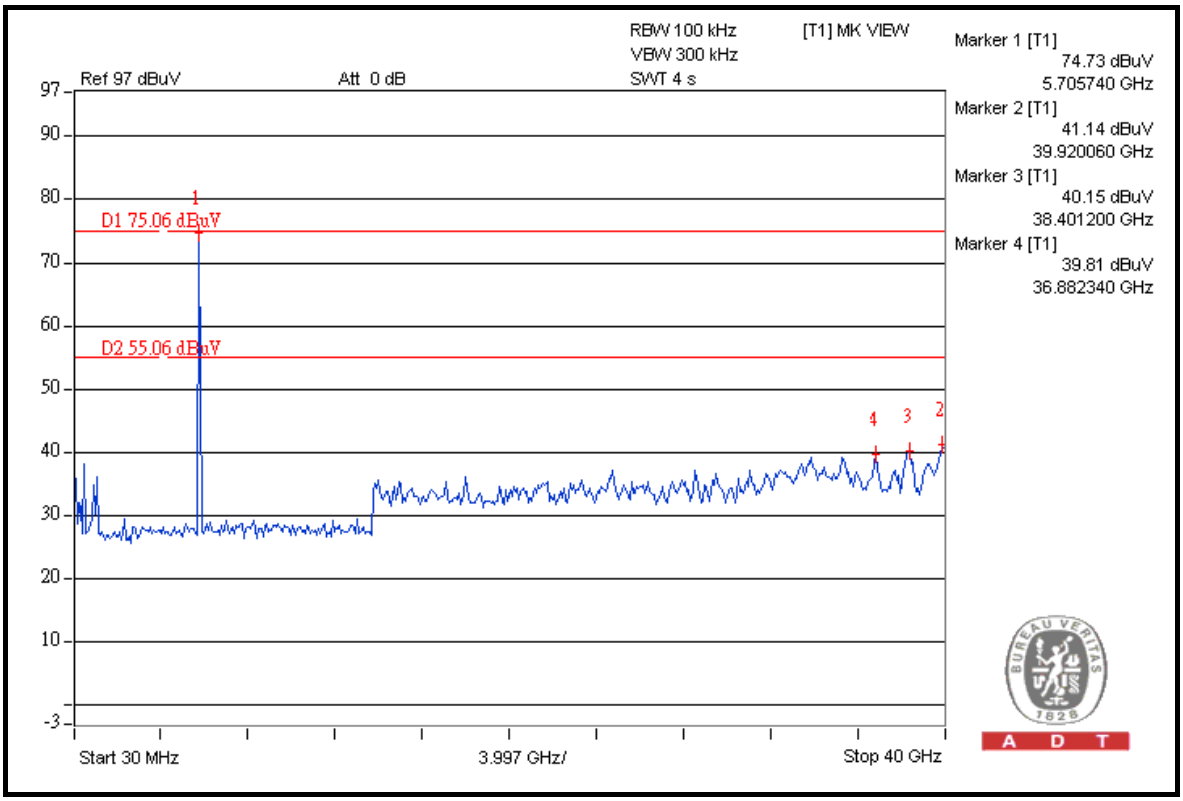

RBW 1 MHz
VBW 10 Hz
SWT 25 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 76.53 dBuV
D2 56.53 dBuV
Marker 1 [T1]
76.53 dBuV
5.823200 GHz
Marker 2 [T1]
27.77 dBuV
5.850000 GHz
Marker 3 [T1]
27.77 dBuV
5.850000 GHz
Center 5.864 GHz
10 MHz/
Span 100 MHz

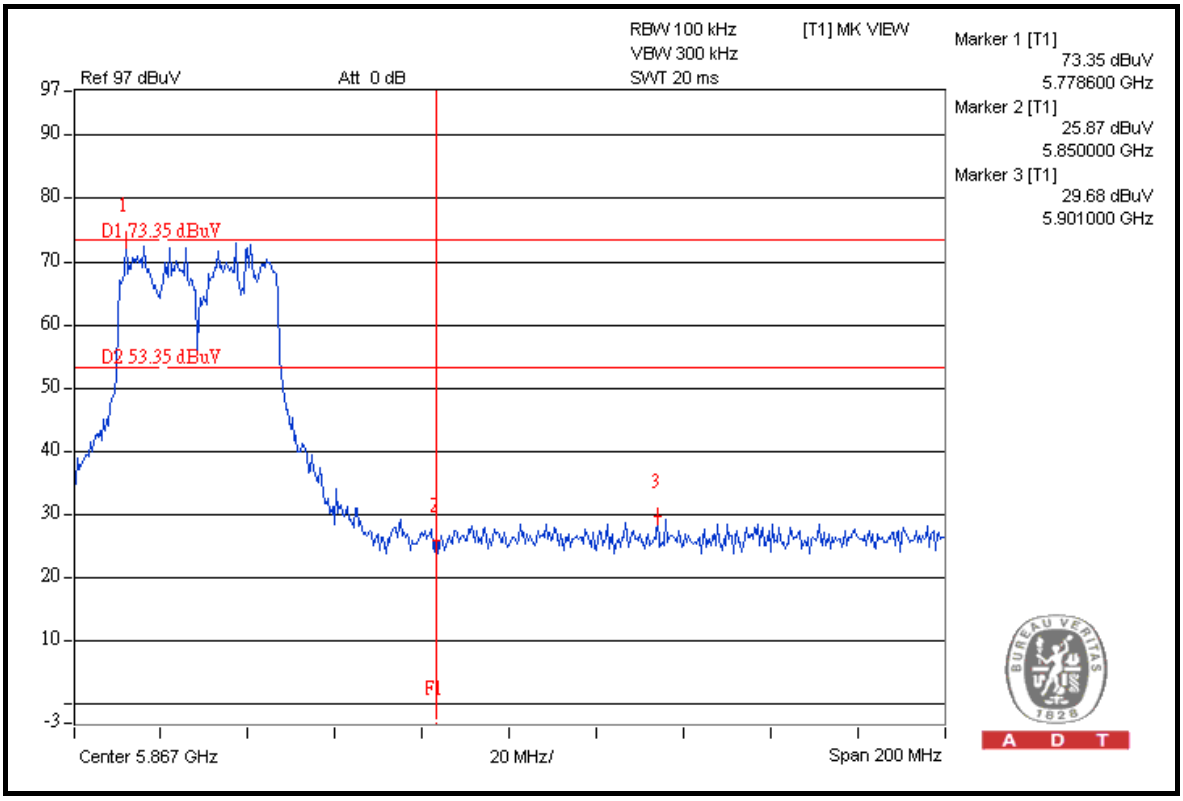

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 78.67 dBuV
D2 58.67 dBuV
Marker 1 [T1]
76.39 dBuV
5.785680 GHz
Marker 2 [T1]
40.02 dBuV
35.523360 GHz
Marker 3 [T1]
39.73 dBuV
39.120660 GHz
Marker 4 [T1]
39.55 dBuV
35.363480 GHz
Start 30 MHz
3.997 GHz/
Stop 40 GHz

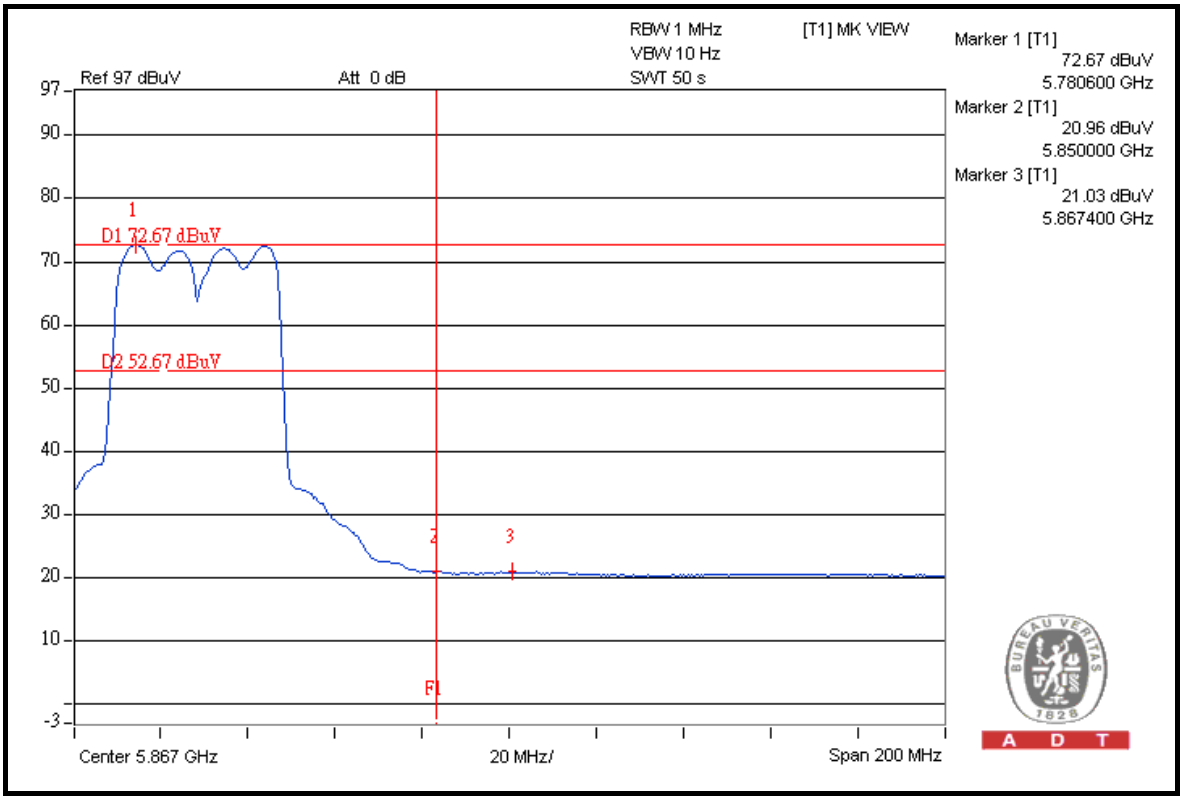
802.11n (40MHz)

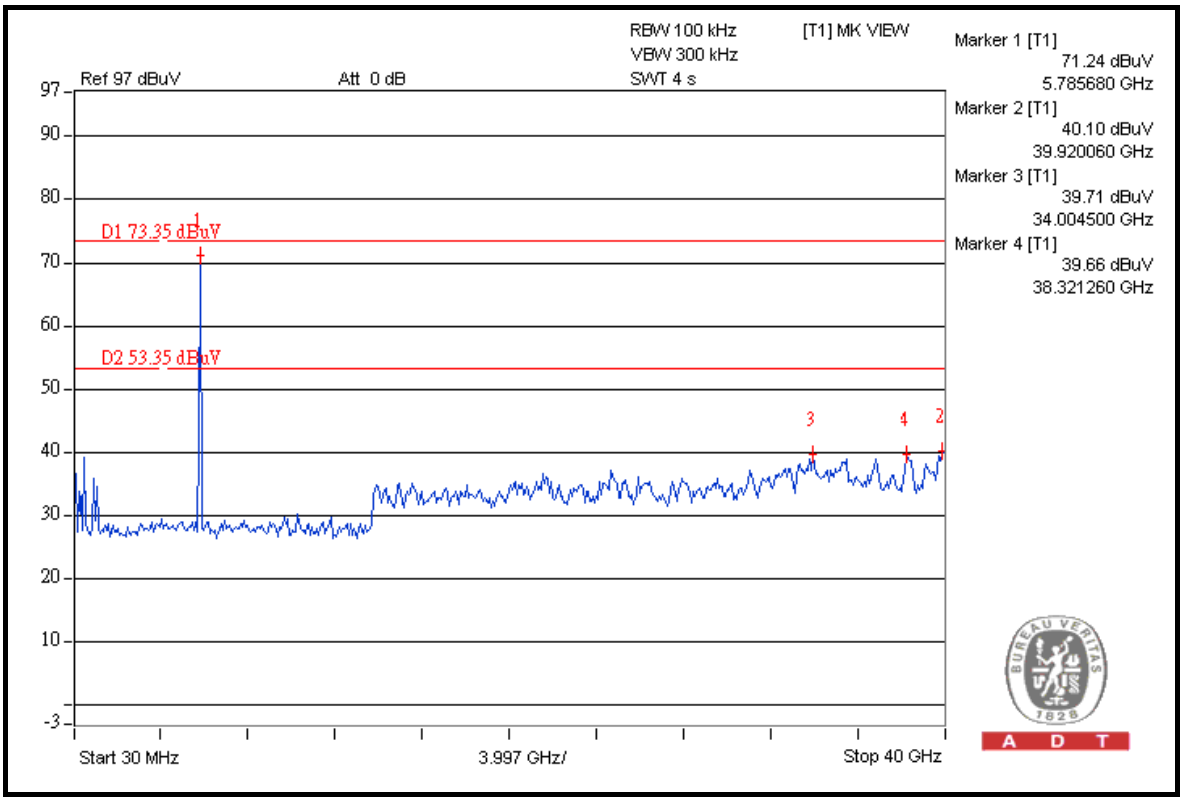





RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 75.06 dBuV
D2 55.06 dBuV
Marker 1 [T1]
74.73 dBuV
5.705740 GHz
Marker 2 [T1]
41.14 dBuV
39.920060 GHz
Marker 3 [T1]
40.15 dBuV
38.401200 GHz
Marker 4 [T1]
39.81 dBuV
36.882340 GHz
Start 30 MHz
3.997 GHz/
Stop 40 GHz


RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 73.35 dBuV
D2 53.35 dBuV
Marker 1 [T1]
73.35 dBuV
5.778600 GHz
Marker 2 [T1]
25.87 dBuV
5.850000 GHz
Marker 3 [T1]
29.68 dBuV
5.901000 GHz
Center 5.867 GHz
20 MHz/
Span 200 MHz

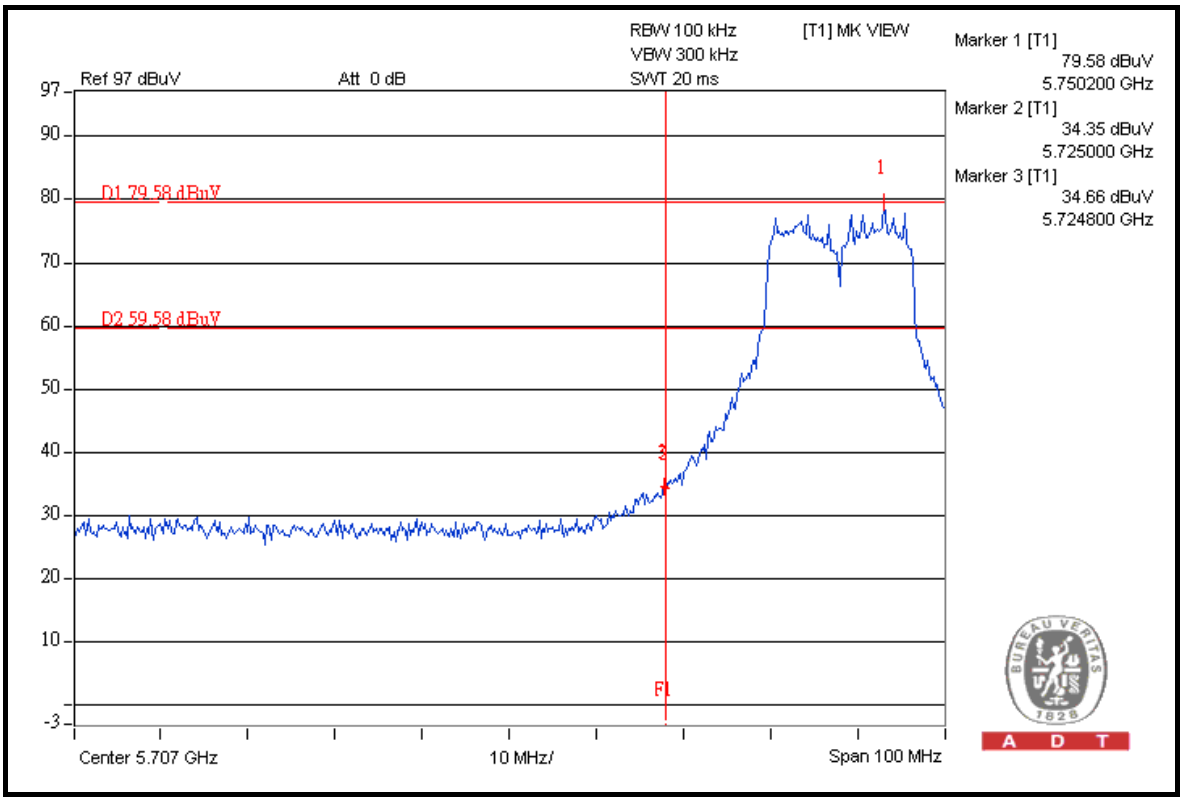

RBW 1 MHz
VBW 10 Hz
SWT 50 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
72.67 dBuV
5.780600 GHz
Marker 2 [T1]
20.96 dBuV
5.850000 GHz
Marker 3 [T1]
21.03 dBuV
5.867400 GHz
D1 72.67 dBuV
D2 52.67 dBuV
Center 5.867 GHz
20 MHz/
Span 200 MHz

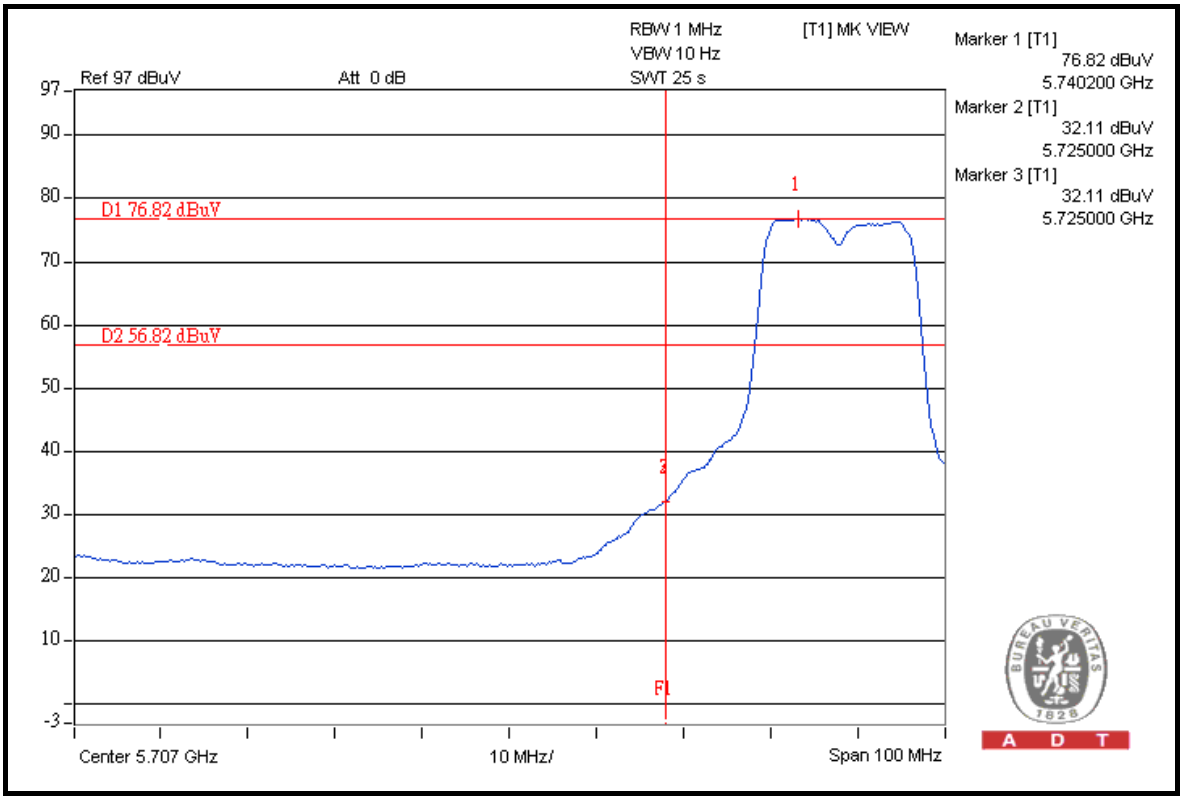

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
71.24 dBuV
5.785680 GHz
Marker 2 [T1]
40.10 dBuV
39.920060 GHz
Marker 3 [T1]
39.71 dBuV
34.004500 GHz
Marker 4 [T1]
39.66 dBuV
38.321260 GHz
D1 73.35 dBuV
D2 53.35 dBuV
Start 30 MHz
3.997 GHz/
Stop 40 GHz

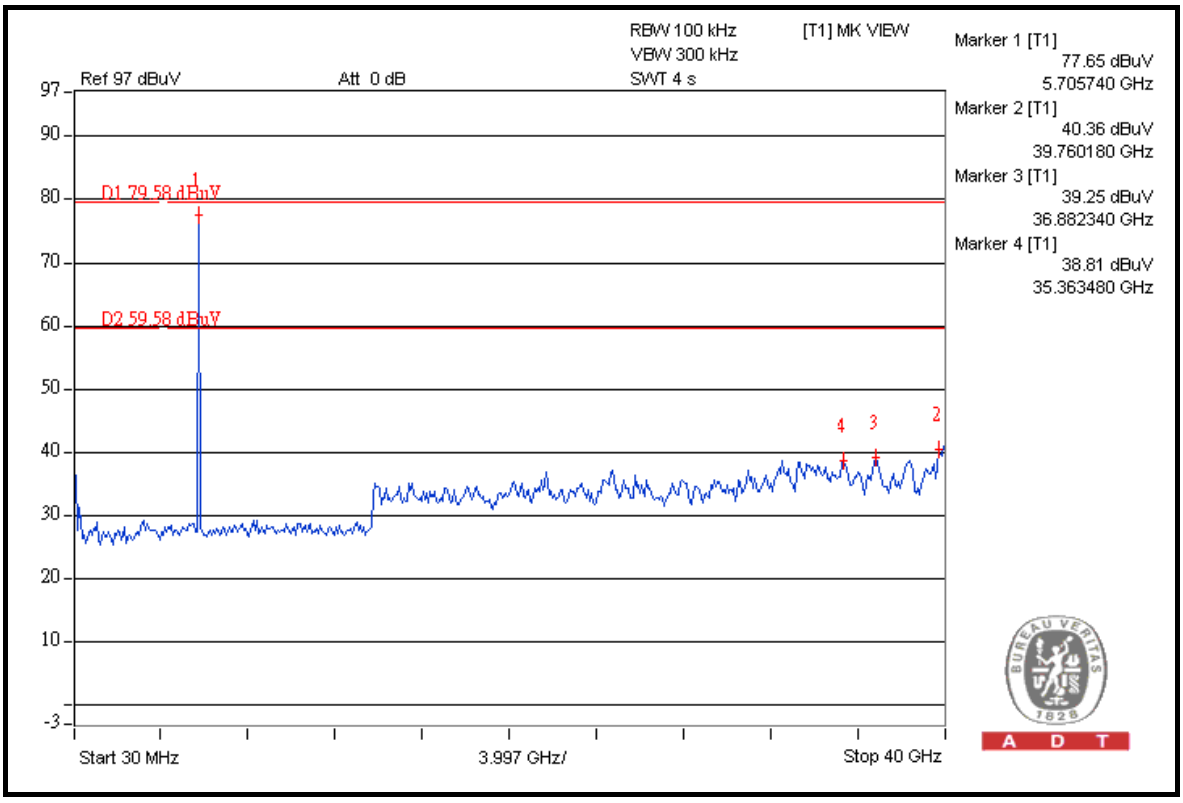
5.6.11 TEST RESULTS (TEST MODE C 2)

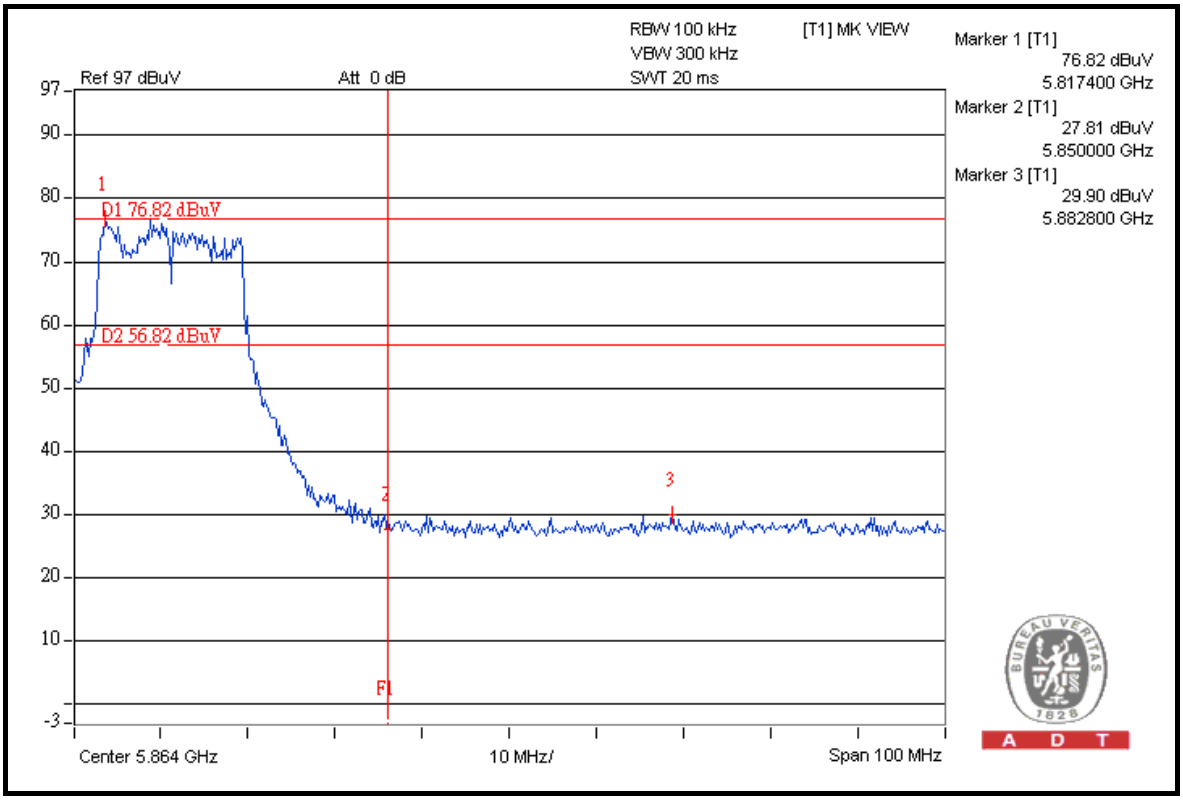
The spectrum plots are attached on the following pages. D1 line indicates the highest level, D2 line indicates the 20dB offset below D1. It shows compliance with the requirement in part 15.247(d).

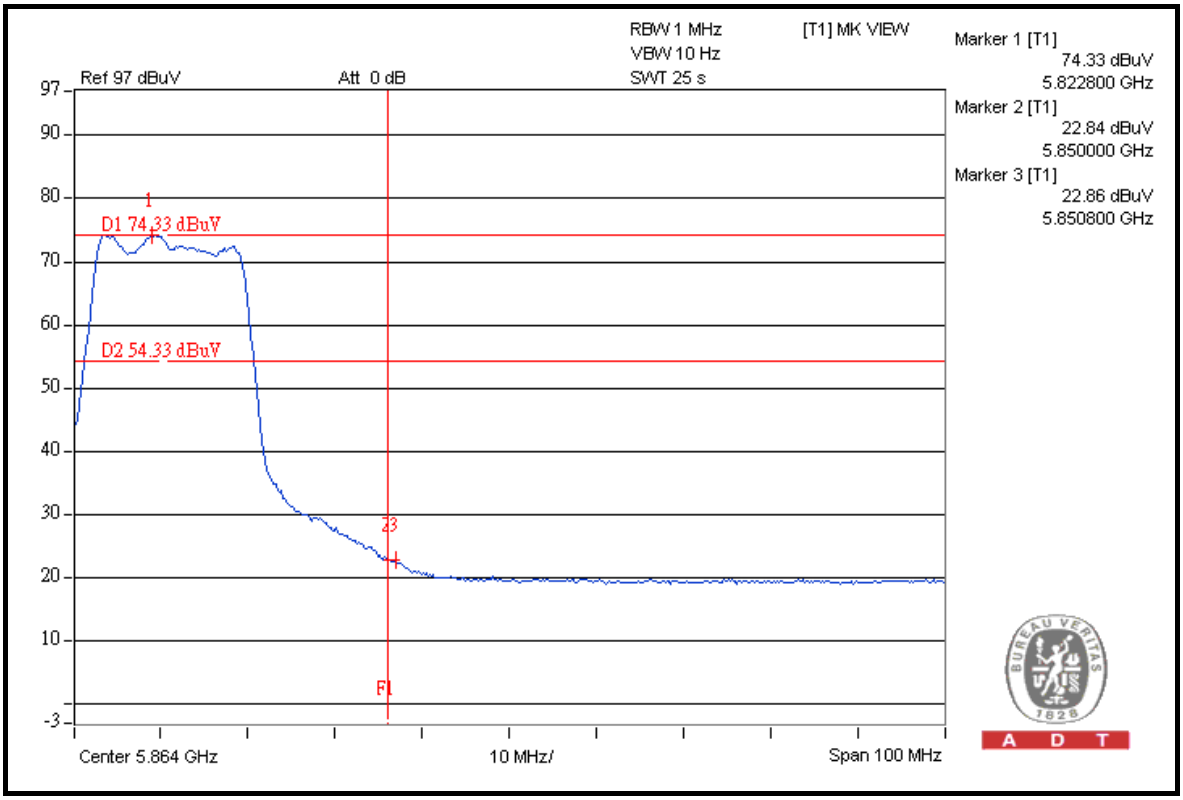
802.11a

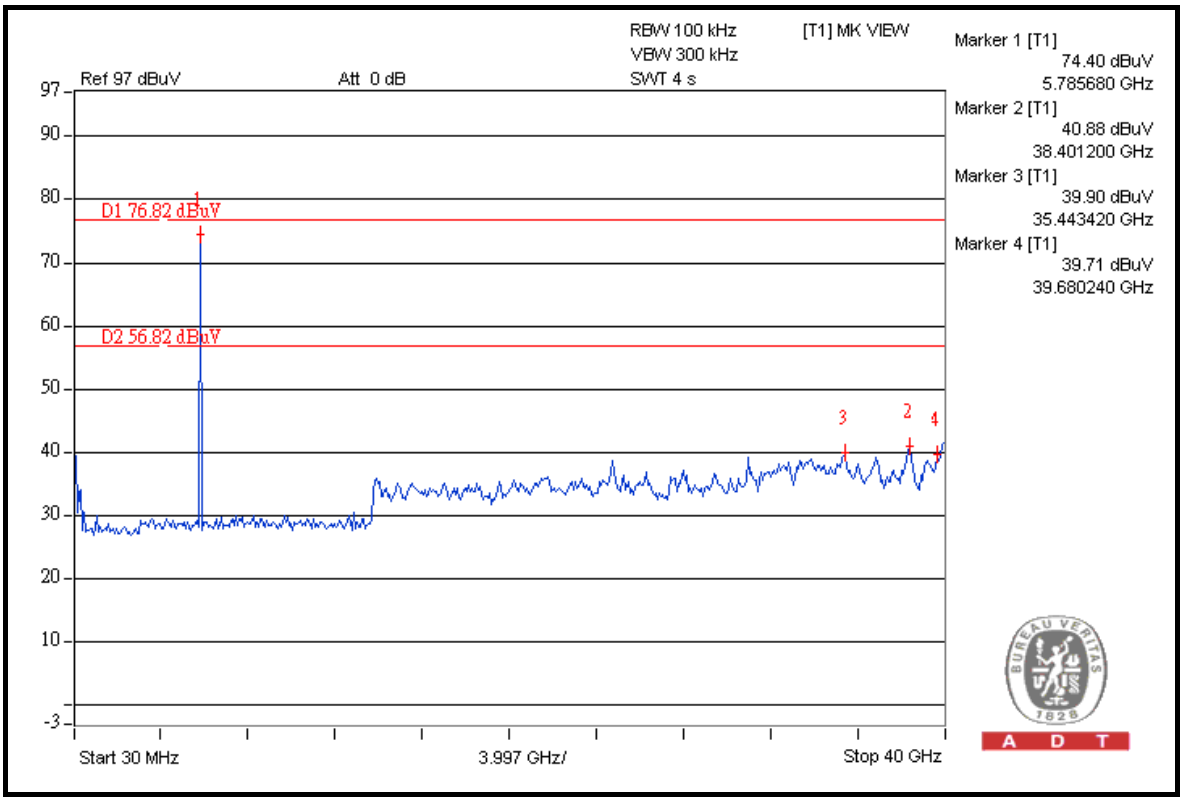

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
79.58 dBuV
5.750200 GHz
Marker 2 [T1]
34.35 dBuV
5.725000 GHz
Marker 3 [T1]
34.66 dBuV
5.724800 GHz
D1 79.58 dBuV
D2 59.58 dBuV
97
90
80
70
60
50
40
30
20
10
-3
Center 5.707 GHz
10 MHz/
Span 100 MHz


RBW 1 MHz
VBW 10 Hz
SWT 25 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
76.82 dBuV
5.740200 GHz
Marker 2 [T1]
32.11 dBuV
5.725000 GHz
Marker 3 [T1]
32.11 dBuV
5.725000 GHz
D1 76.82 dBuV
D2 56.82 dBuV
97
90
80
70
60
50
40
30
20
10
-3
Center 5.707 GHz
10 MHz/
Span 100 MHz

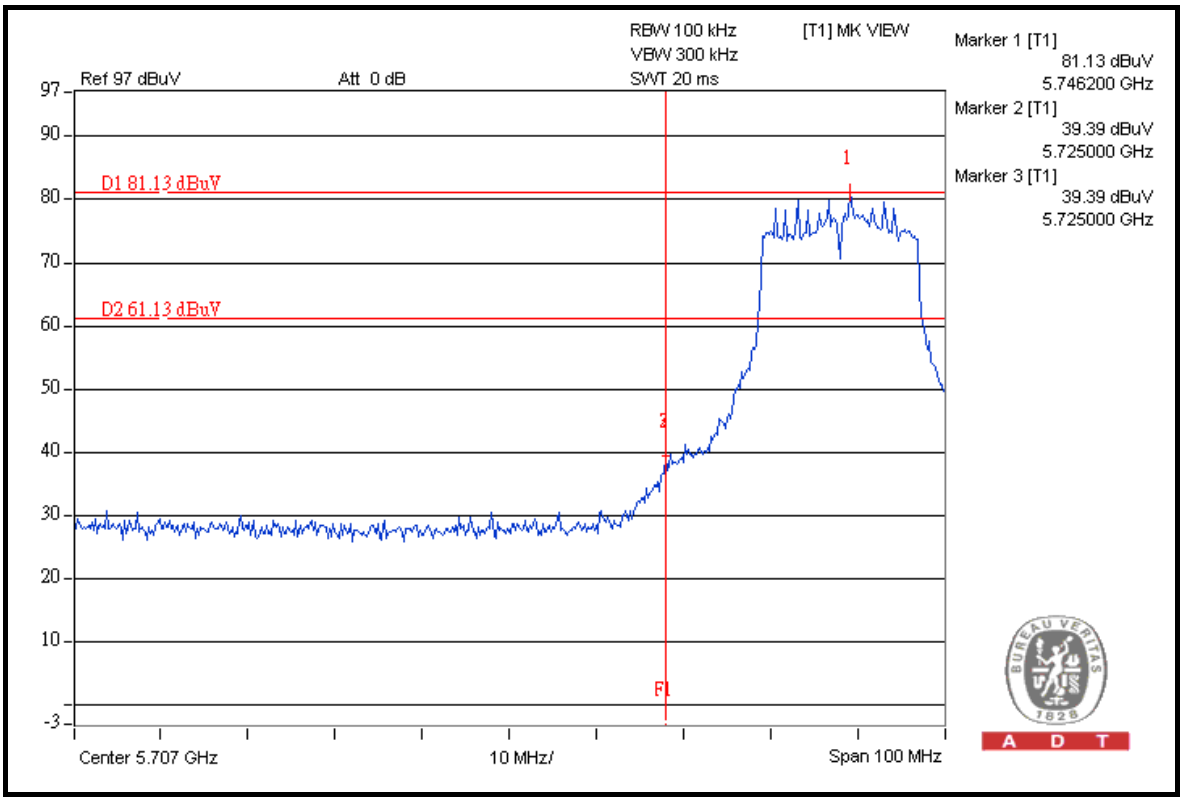

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 79.58 dBuV
D2 59.58 dBuV
Marker 1 [T1]
77.65 dBuV
5.705740 GHz
Marker 2 [T1]
40.36 dBuV
39.760180 GHz
Marker 3 [T1]
39.25 dBuV
36.882340 GHz
Marker 4 [T1]
38.81 dBuV
35.363480 GHz
Start 30 MHz
3.997 GHz/
Stop 40 GHz

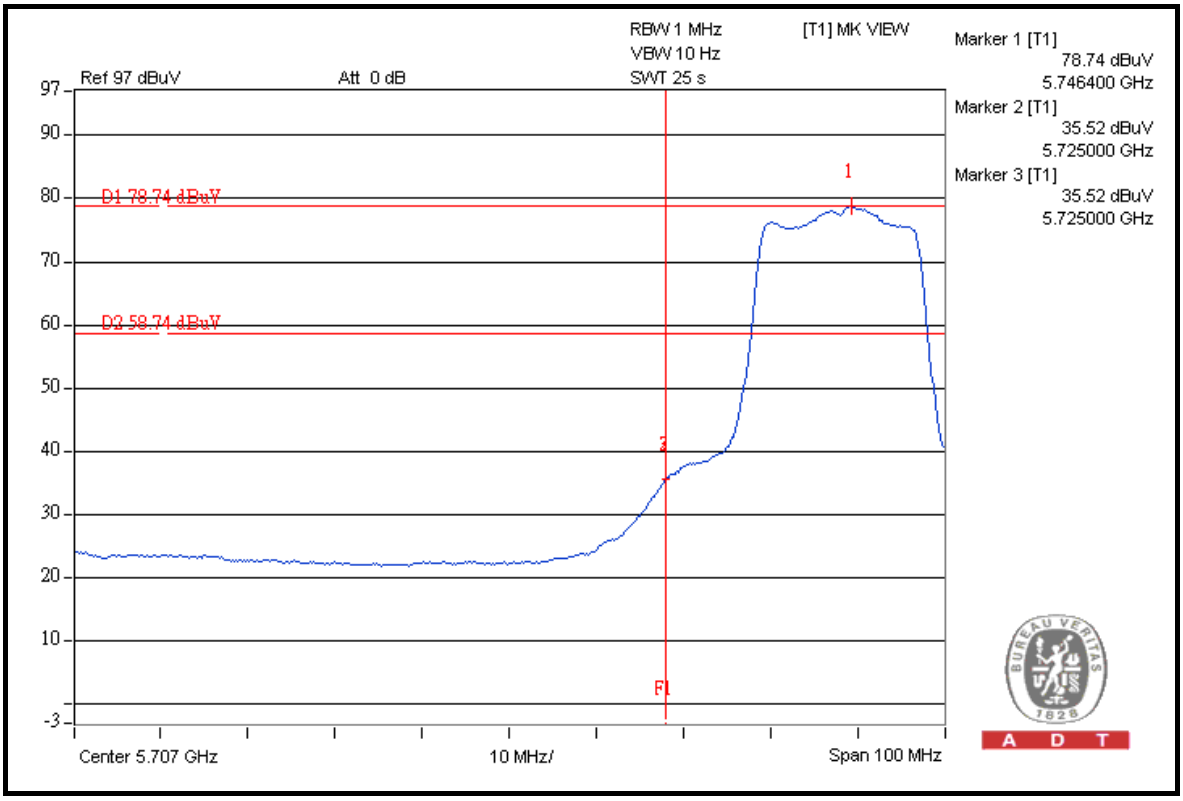

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 76.82 dBuV
D2 56.82 dBuV
Marker 1 [T1]
76.82 dBuV
5.817400 GHz
Marker 2 [T1]
27.81 dBuV
5.850000 GHz
Marker 3 [T1]
29.90 dBuV
5.882800 GHz
Center 5.864 GHz
10 MHz/
Span 100 MHz

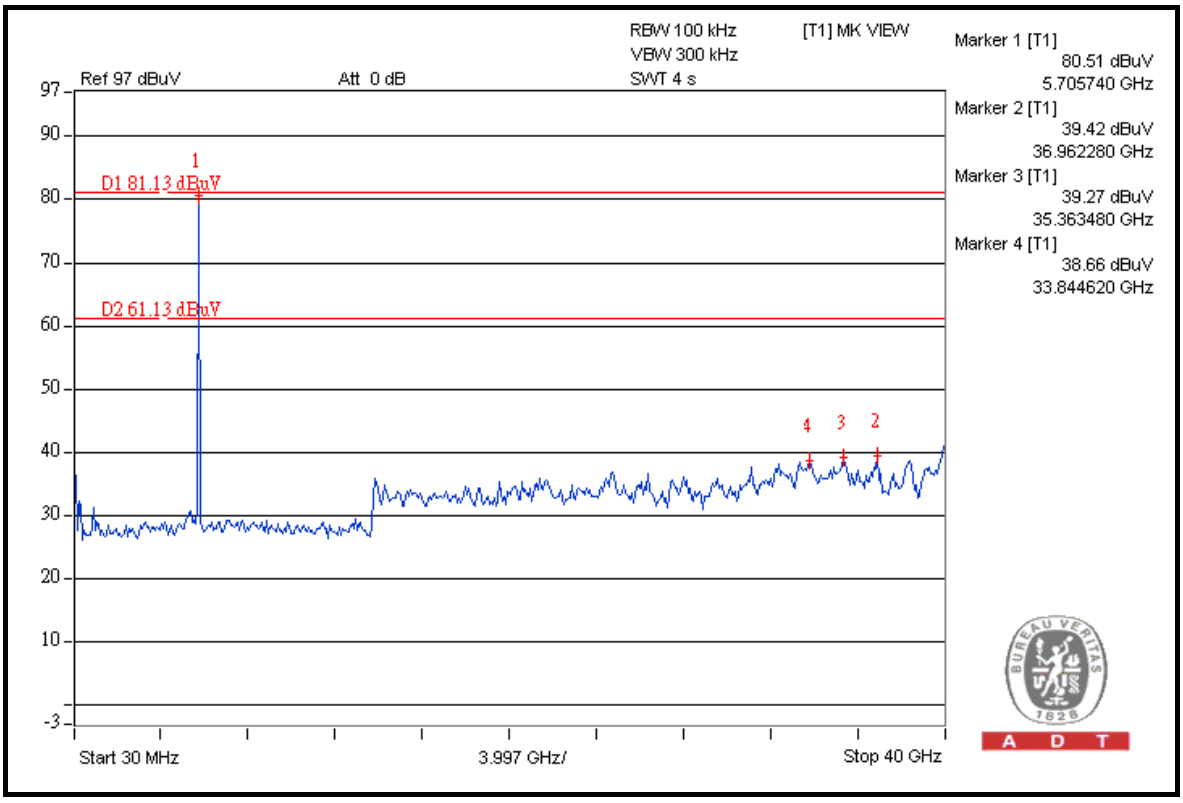

RBW 1 MHz
VBW 10 Hz
SWT 25 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
74.33 dBuV
5.822800 GHz
Marker 2 [T1]
22.84 dBuV
5.850000 GHz
Marker 3 [T1]
22.86 dBuV
5.850800 GHz
D1 74.33 dBuV
D2 54.33 dBuV
Center 5.864 GHz
10 MHz/
Span 100 MHz

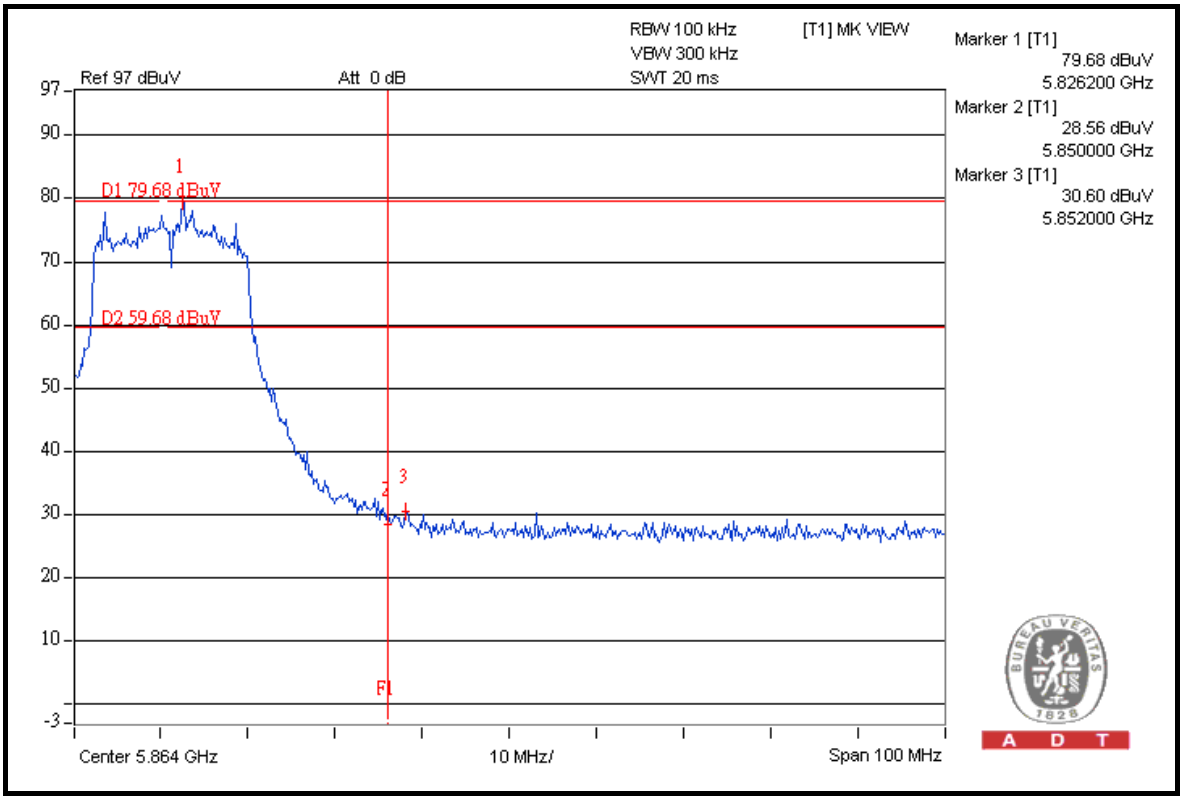

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
74.40 dBuV
5.785680 GHz
Marker 2 [T1]
40.88 dBuV
38.401200 GHz
Marker 3 [T1]
39.90 dBuV
35.443420 GHz
Marker 4 [T1]
39.71 dBuV
39.680240 GHz
D1 76.82 dBuV
D2 56.82 dBuV
Start 30 MHz
3.997 GHz/
Stop 40 GHz

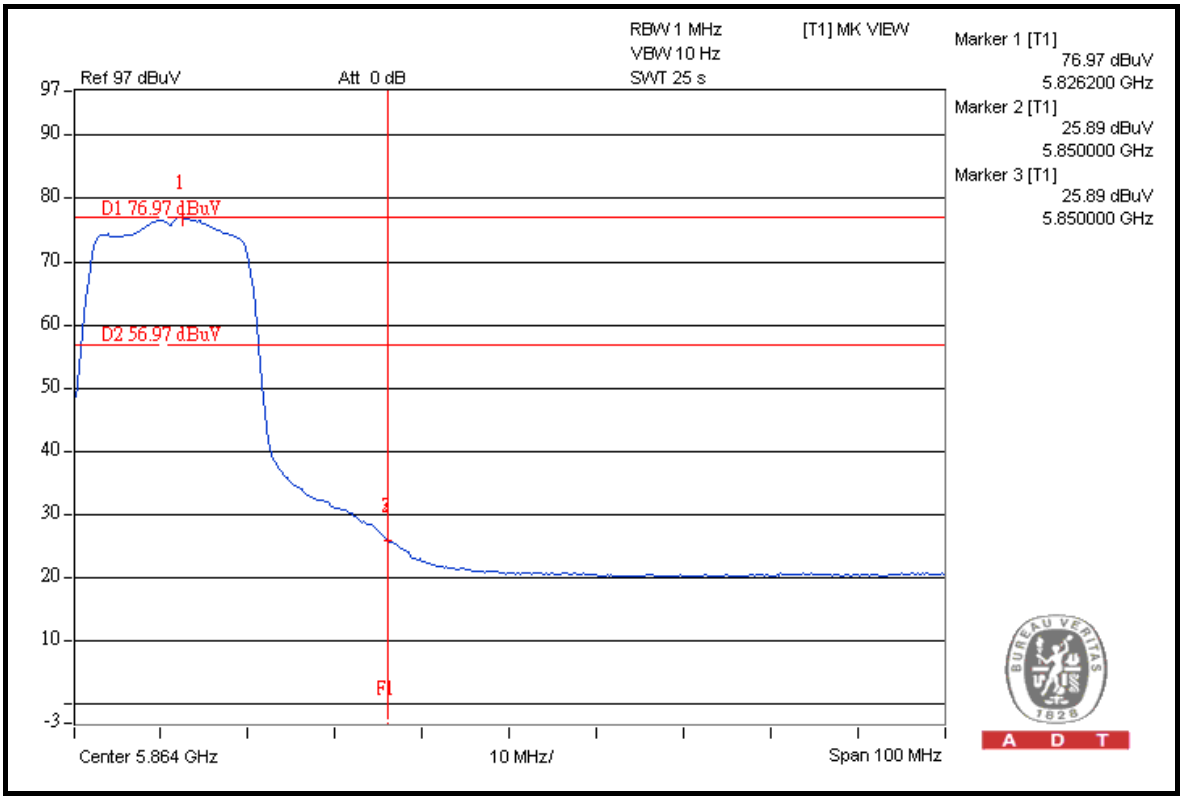
802.11n (20MHz)

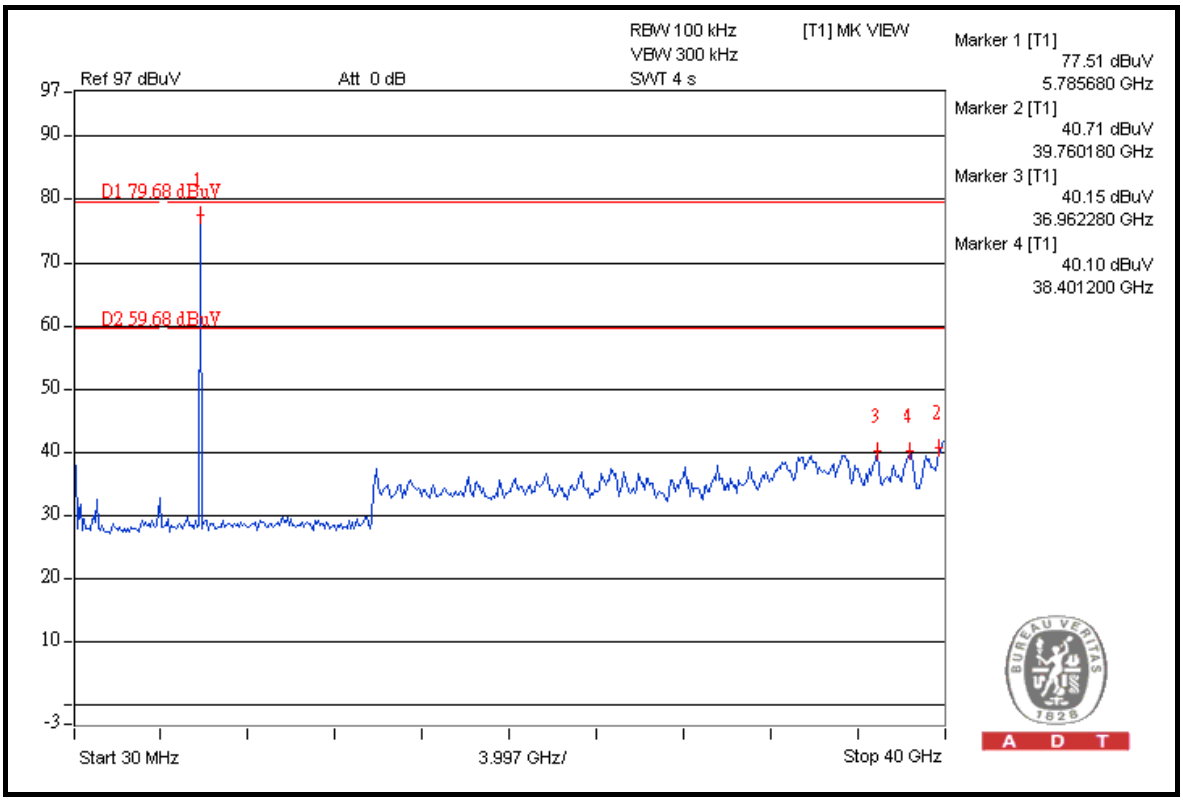




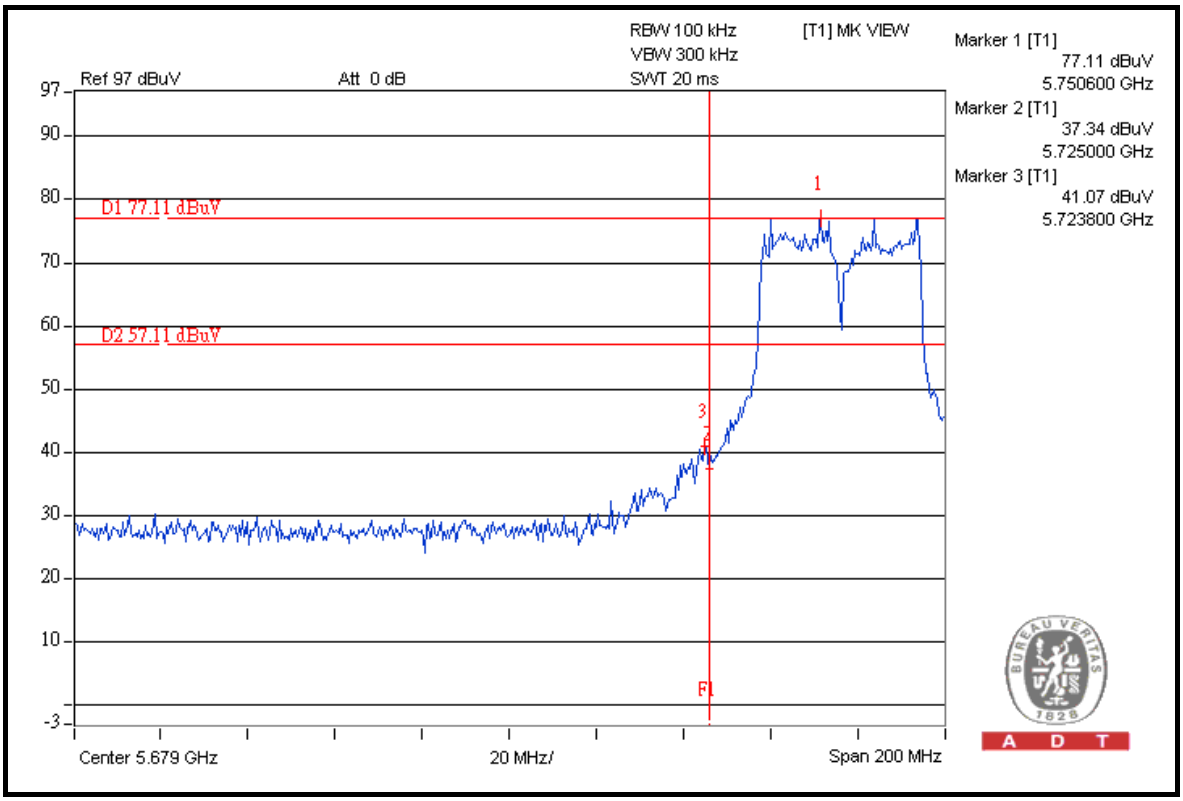

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 81.13 dBuV
D2 61.13 dBuV
Marker 1 [T1]
80.51 dBuV
5.705740 GHz
Marker 2 [T1]
39.42 dBuV
36.962280 GHz
Marker 3 [T1]
39.27 dBuV
35.363480 GHz
Marker 4 [T1]
38.66 dBuV
33.844620 GHz
Start 30 MHz
3.997 GHz/
Stop 40 GHz

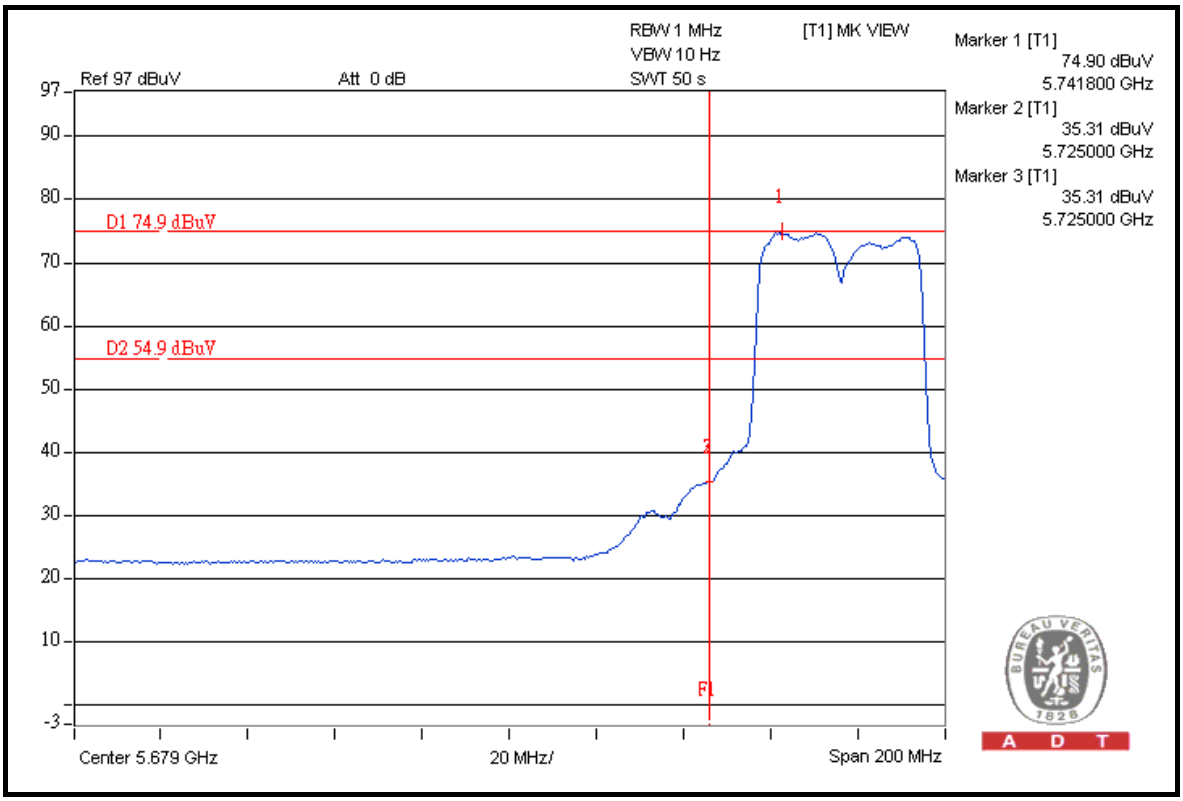

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 79.68 dBuV
D2 59.68 dBuV
Marker 1 [T1]
79.68 dBuV
5.826200 GHz
Marker 2 [T1]
28.56 dBuV
5.850000 GHz
Marker 3 [T1]
30.60 dBuV
5.852000 GHz
Center 5.864 GHz
10 MHz/
Span 100 MHz

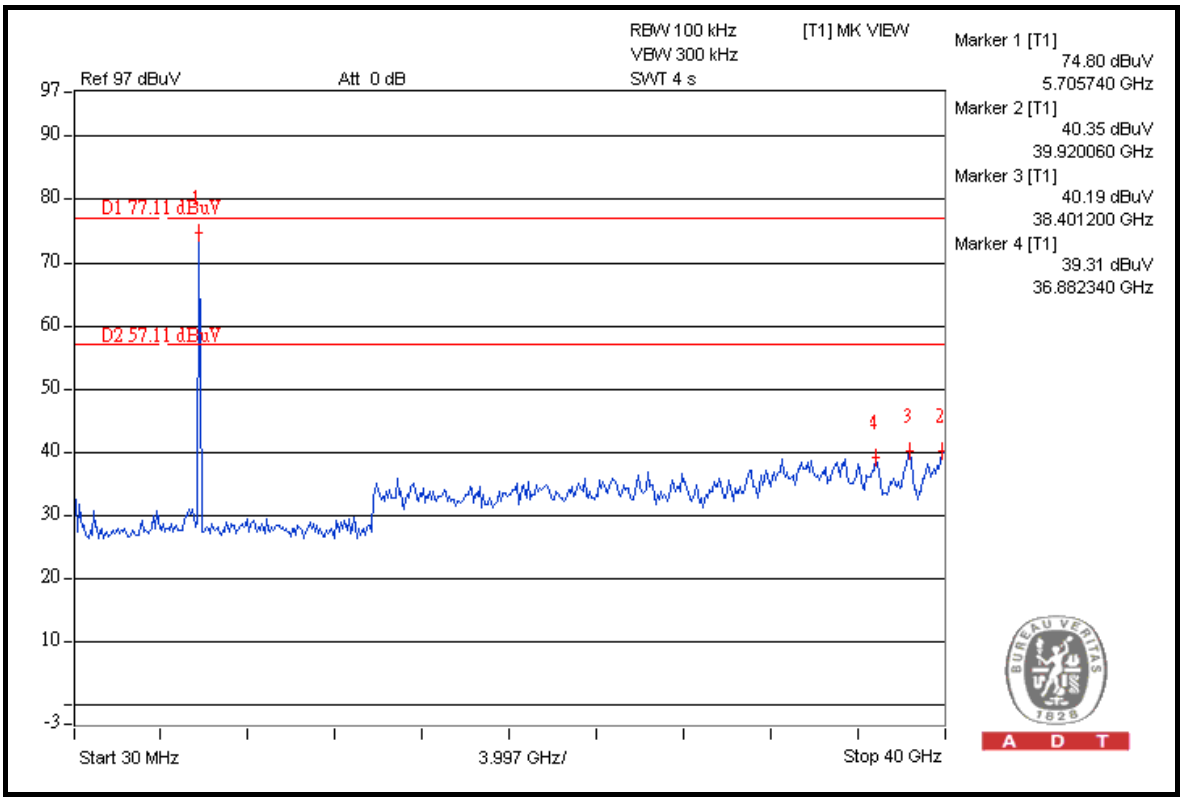

RBW 1 MHz
VBW 10 Hz
SWT 25 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 76.97 dBuV
D2 56.97 dBuV
Marker 1 [T1]
76.97 dBuV
5.826200 GHz
Marker 2 [T1]
25.89 dBuV
5.850000 GHz
Marker 3 [T1]
25.89 dBuV
5.850000 GHz
Center 5.864 GHz
10 MHz/
Span 100 MHz

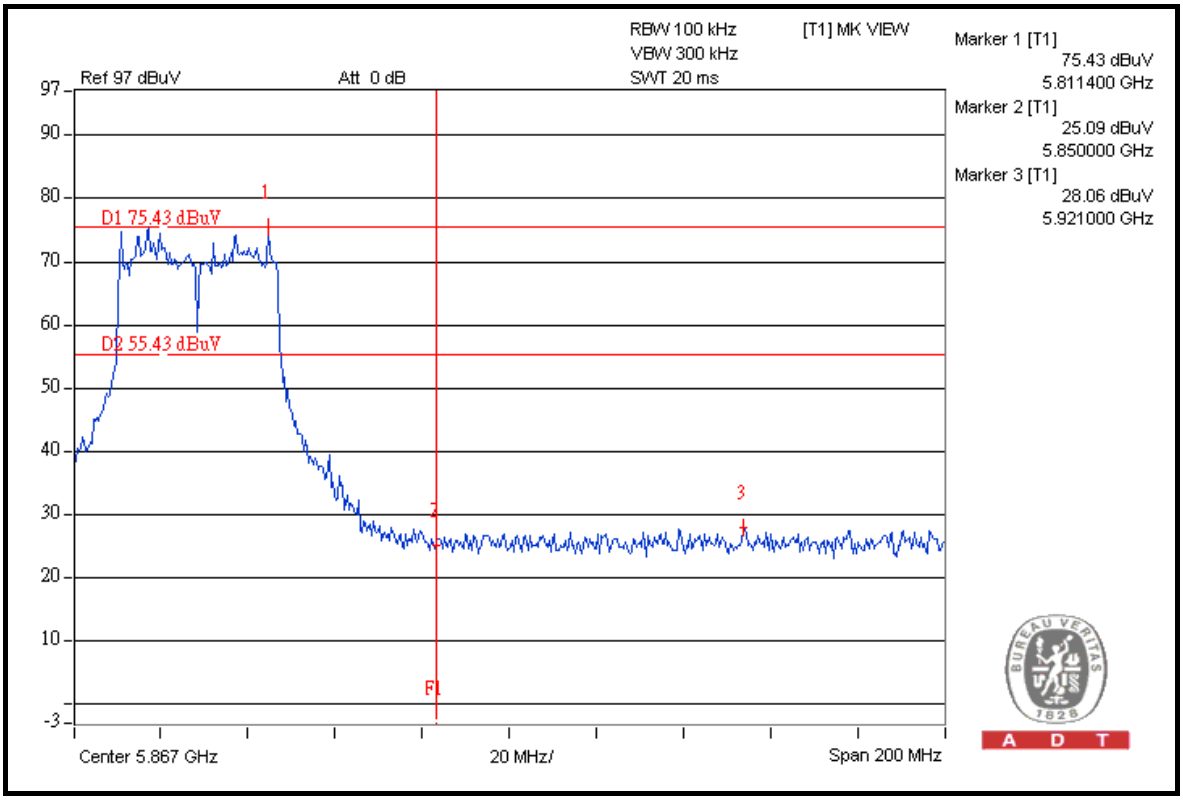

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 79.68 dBuV
D2 59.68 dBuV
Marker 1 [T1]
77.51 dBuV
5.785680 GHz
Marker 2 [T1]
40.71 dBuV
39.760180 GHz
Marker 3 [T1]
40.15 dBuV
36.962280 GHz
Marker 4 [T1]
40.10 dBuV
38.401200 GHz
Start 30 MHz
3.997 GHz/
Stop 40 GHz

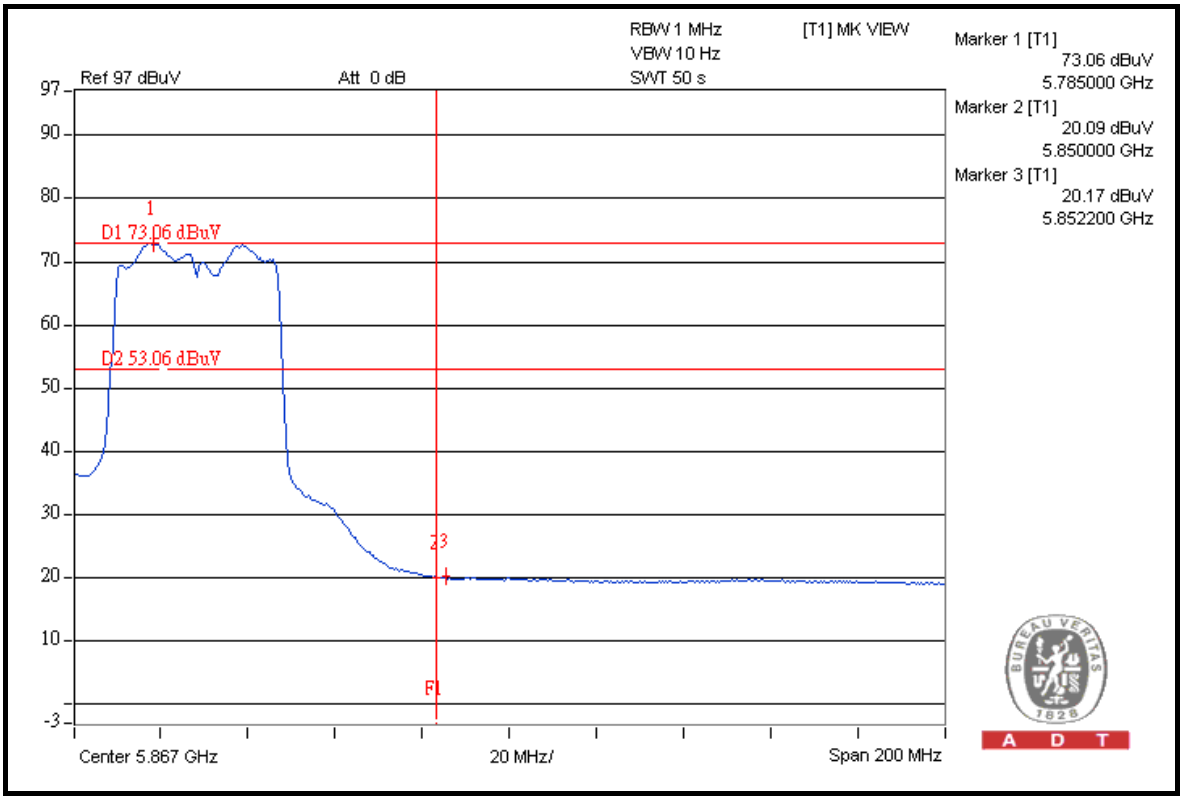
802.11n (40MHz)

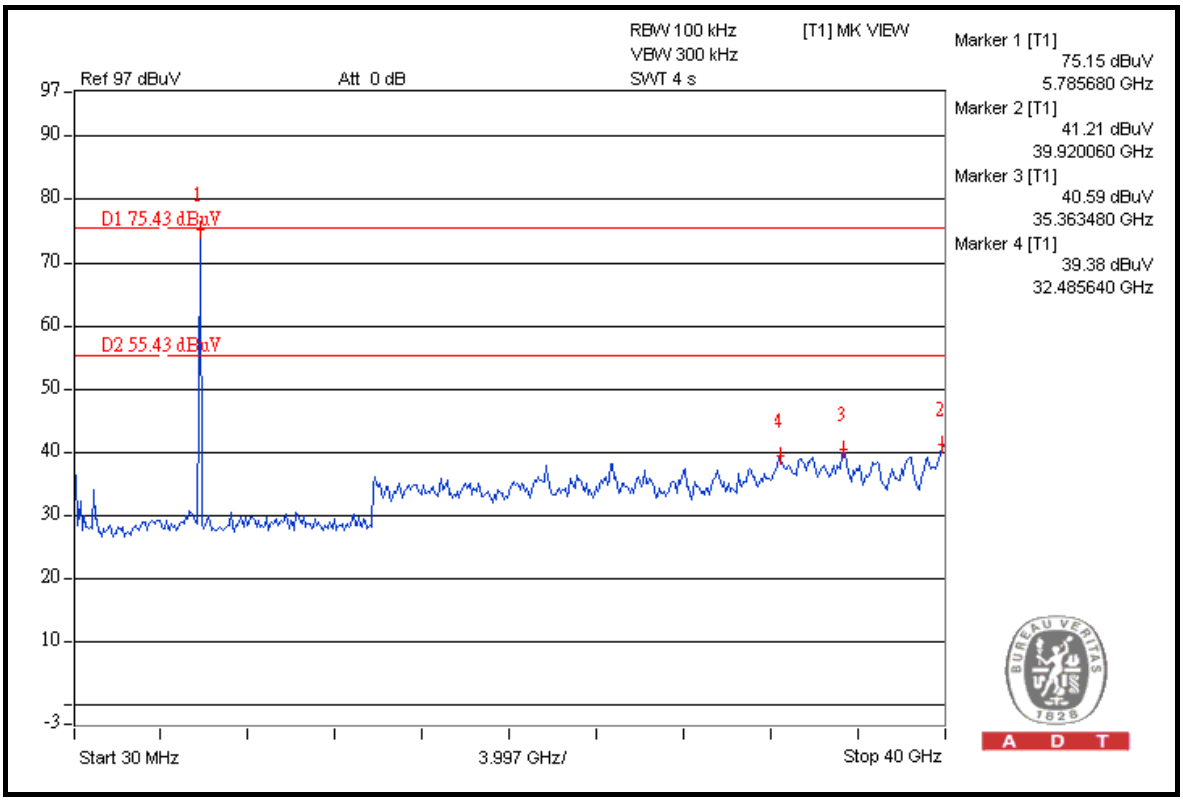





RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 77.11 dBuV
D2 57.11 dBuV
Marker 1 [T1]
74.80 dBuV
5.705740 GHz
Marker 2 [T1]
40.35 dBuV
39.920060 GHz
Marker 3 [T1]
40.19 dBuV
38.401200 GHz
Marker 4 [T1]
39.31 dBuV
36.882340 GHz
Start 30 MHz
3.997 GHz/
Stop 40 GHz


RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 75.43 dBuV
D2 55.43 dBuV
Marker 1 [T1]
75.43 dBuV
5.811400 GHz
Marker 2 [T1]
25.09 dBuV
5.850000 GHz
Marker 3 [T1]
28.06 dBuV
5.921000 GHz
Center 5.867 GHz
20 MHz/
Span 200 MHz

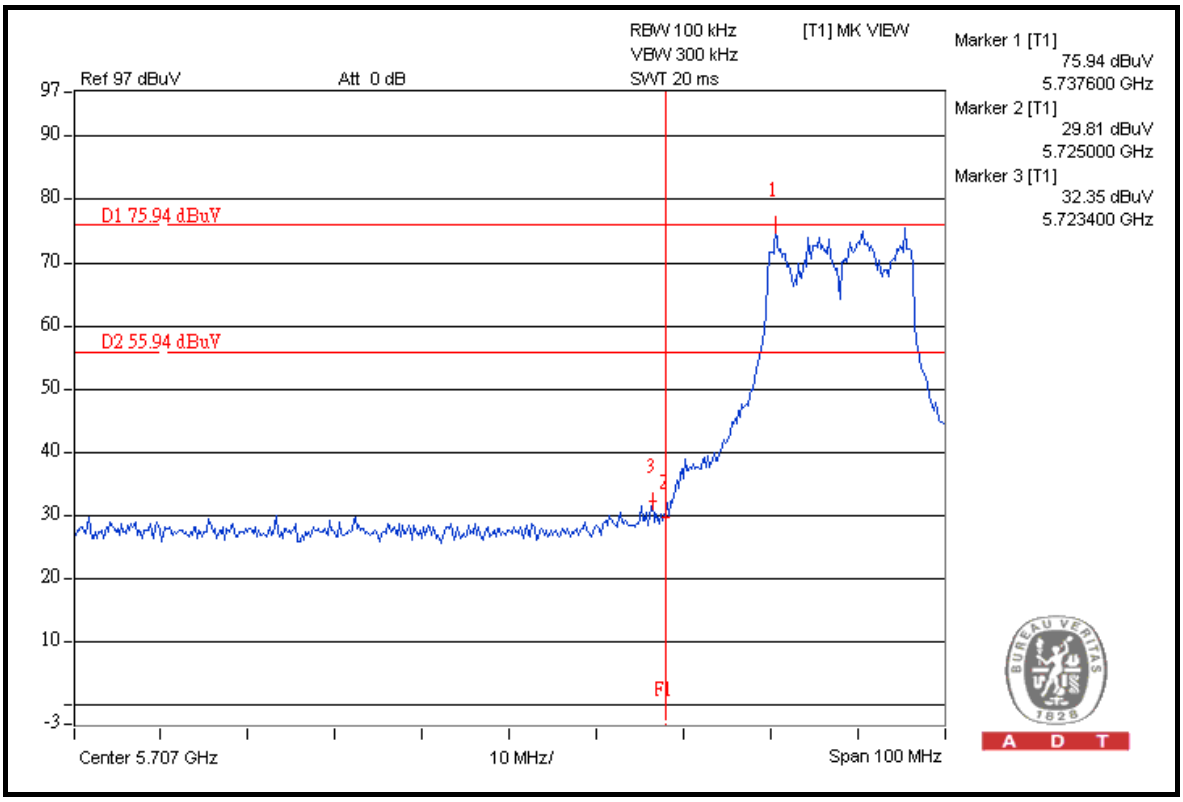

RBW 1 MHz
VBW 10 Hz
SWT 50 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
73.06 dBuV
5.785000 GHz
Marker 2 [T1]
20.09 dBuV
5.850000 GHz
Marker 3 [T1]
20.17 dBuV
5.852200 GHz
D1 73.06 dBuV
D2 53.06 dBuV
Center 5.867 GHz
20 MHz/
Span 200 MHz

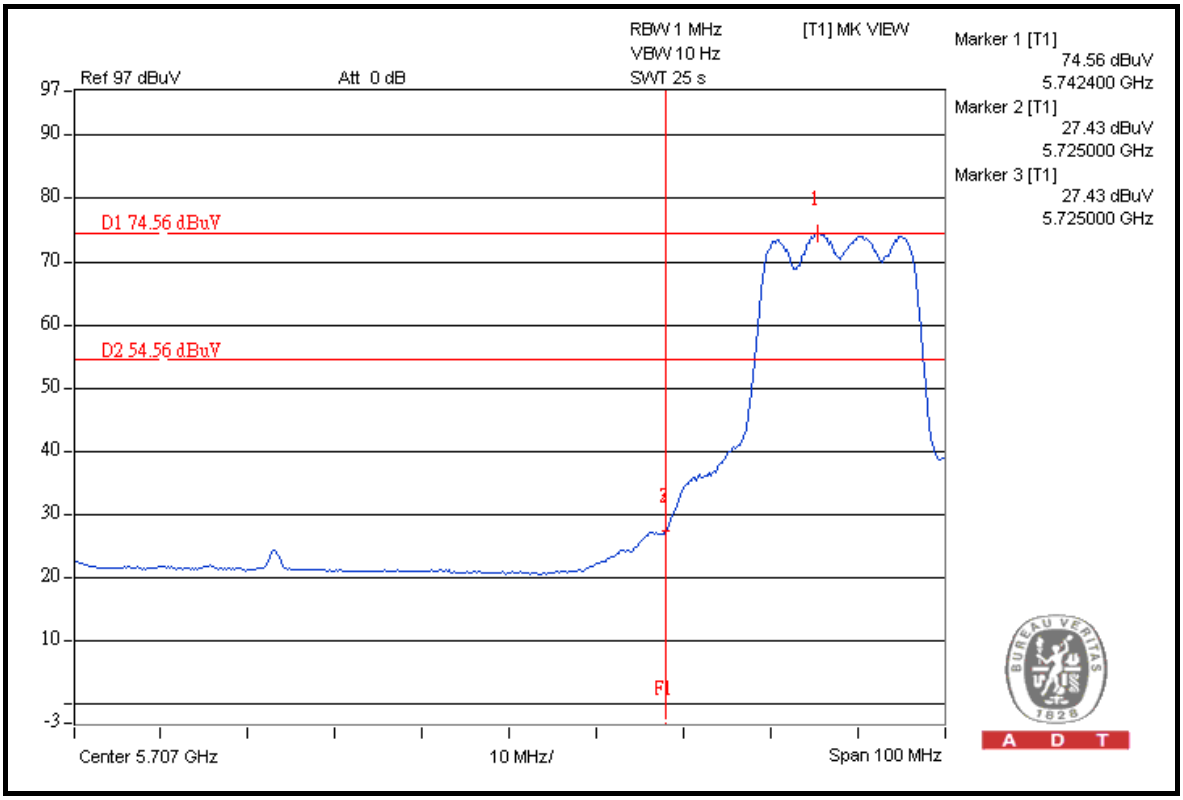

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
75.15 dBuV
5.785680 GHz
Marker 2 [T1]
41.21 dBuV
39.920060 GHz
Marker 3 [T1]
40.59 dBuV
35.363480 GHz
Marker 4 [T1]
39.38 dBuV
32.485640 GHz
D1 75.43 dBuV
D2 55.43 dBuV
Start 30 MHz
3.997 GHz/
Stop 40 GHz

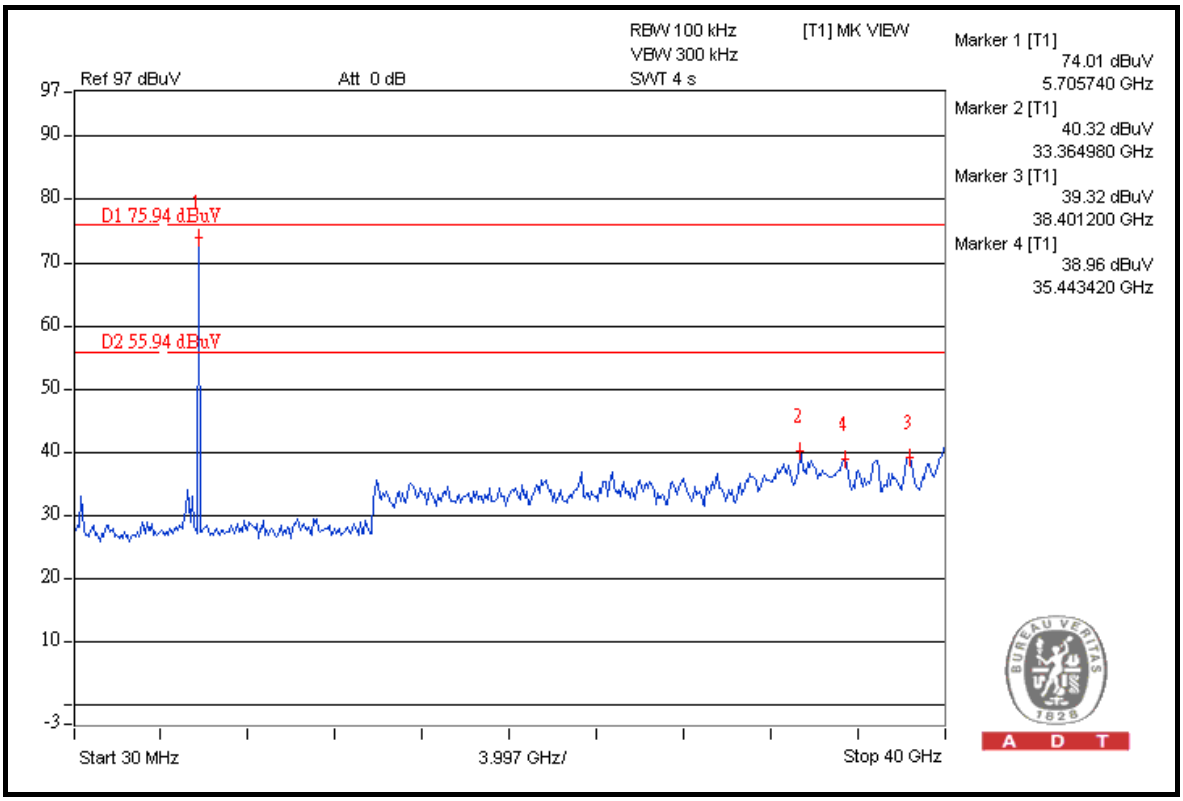
5.6.12 TEST RESULTS (TEST MODE D 1)

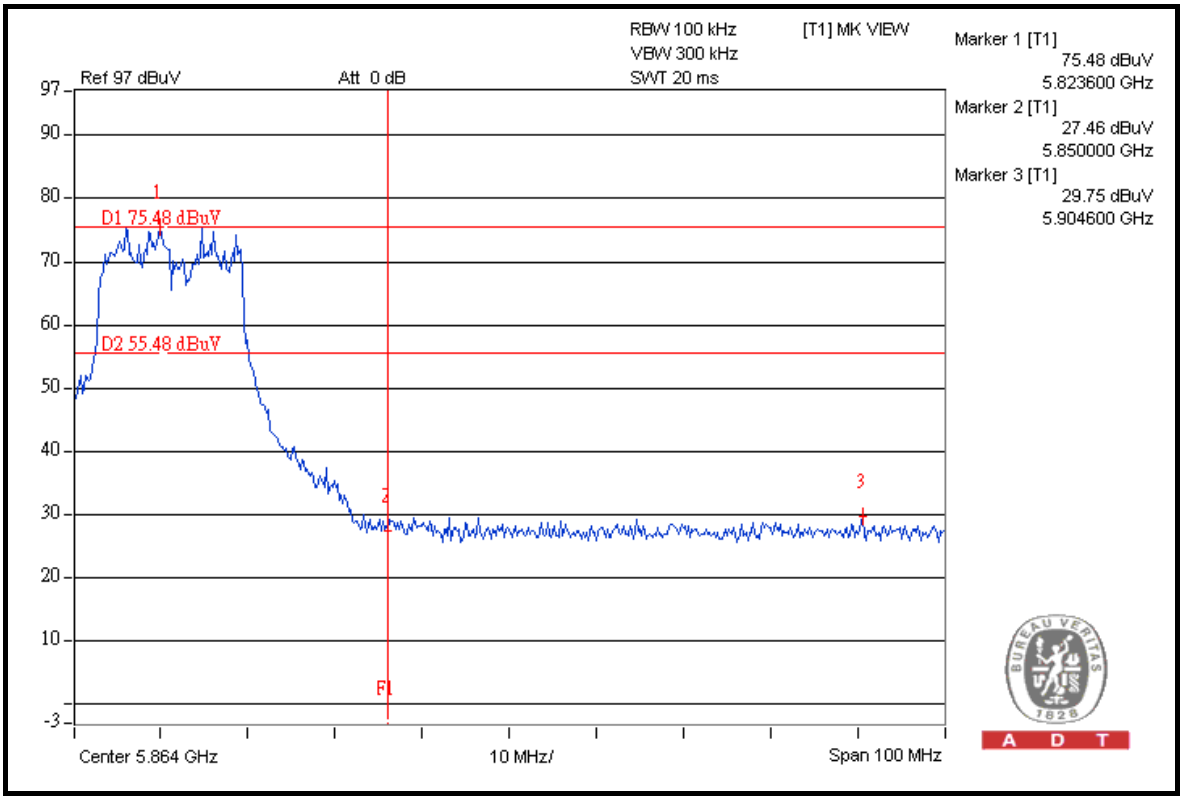
The spectrum plots are attached on the following pages. D1 line indicates the highest level, D2 line indicates the 20dB offset below D1. It shows compliance with the requirement in part 15.247(d).

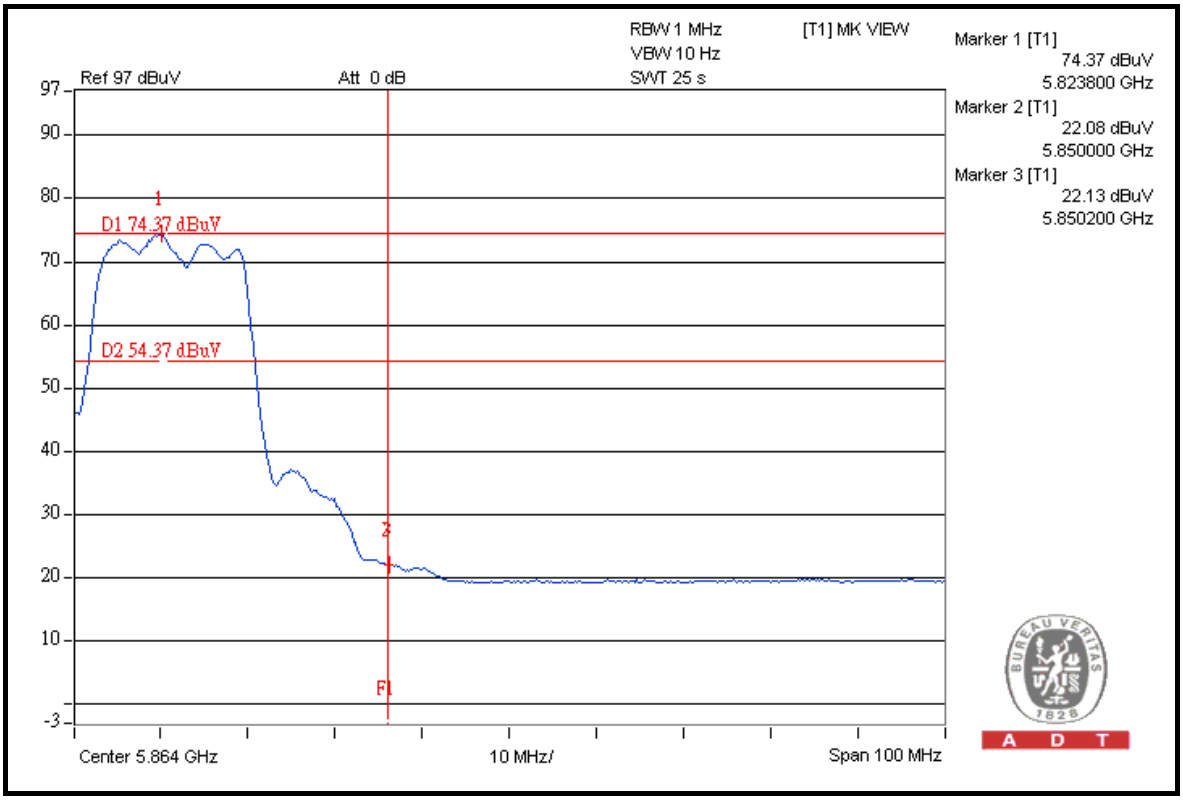
802.11a

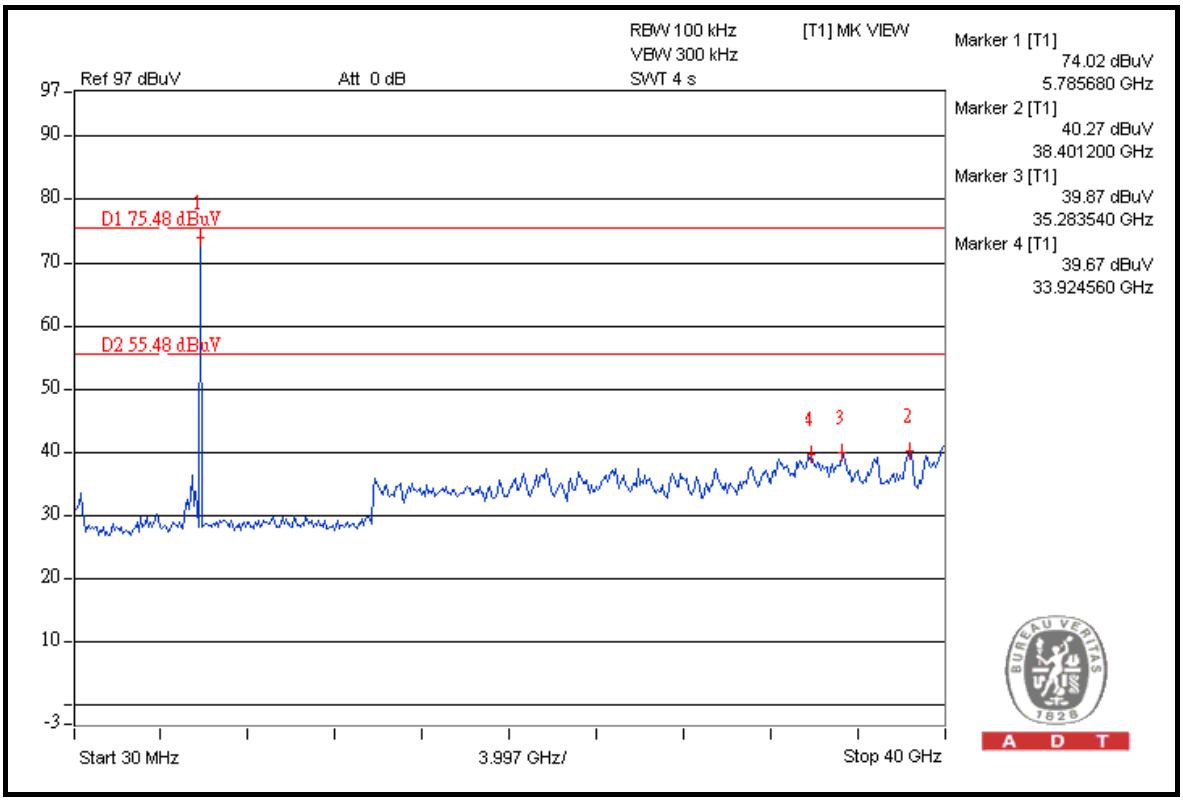

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
75.94 dBuV
5.737600 GHz
Marker 2 [T1]
29.81 dBuV
5.725000 GHz
Marker 3 [T1]
32.35 dBuV
5.723400 GHz
D1 75.94 dBuV
D2 55.94 dBuV
Center 5.707 GHz
10 MHz/
Span 100 MHz


RBW 1 MHz
VBW 10 Hz
SWT 25 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
74.56 dBuV
5.742400 GHz
Marker 2 [T1]
27.43 dBuV
5.725000 GHz
Marker 3 [T1]
27.43 dBuV
5.725000 GHz
D1 74.56 dBuV
D2 54.56 dBuV
Center 5.707 GHz
10 MHz/
Span 100 MHz

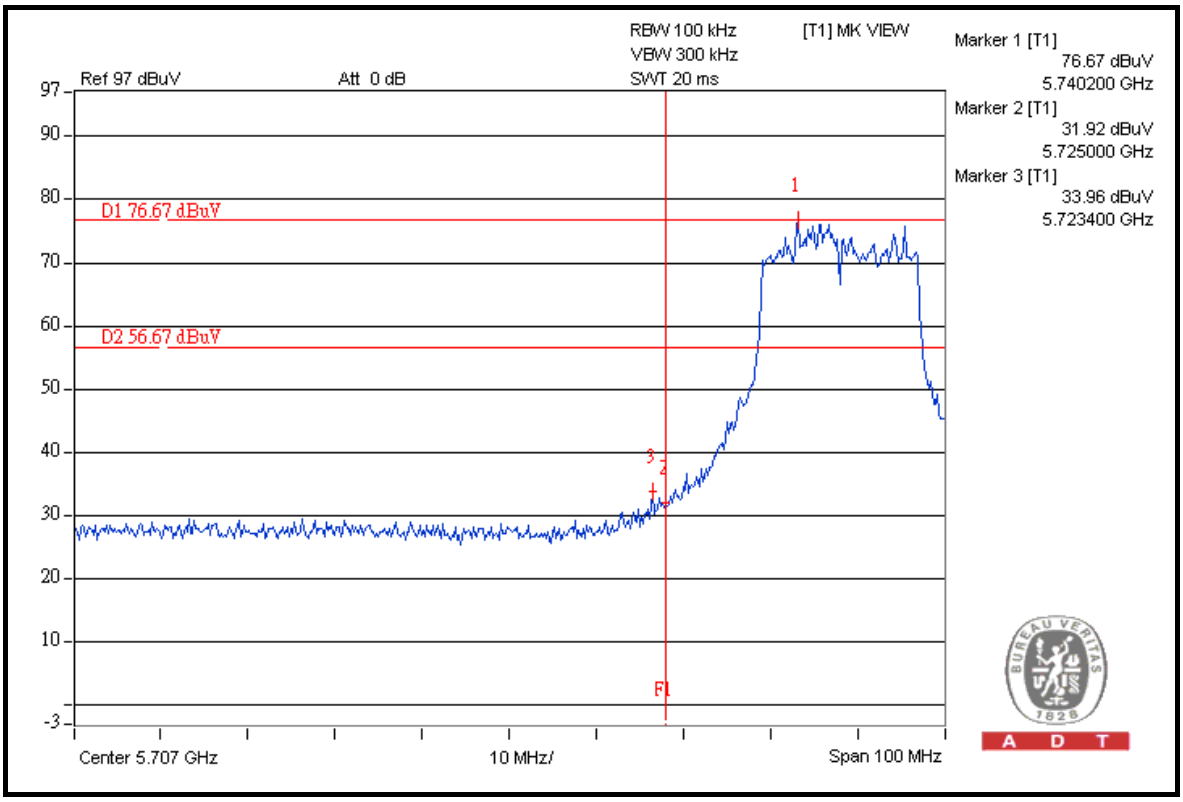

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 75.94 dBuV
D2 55.94 dBuV
Marker 1 [T1]
74.01 dBuV
5.705740 GHz
Marker 2 [T1]
40.32 dBuV
33.364980 GHz
Marker 3 [T1]
39.32 dBuV
38.401200 GHz
Marker 4 [T1]
38.96 dBuV
35.443420 GHz
Start 30 MHz
3.997 GHz/
Stop 40 GHz

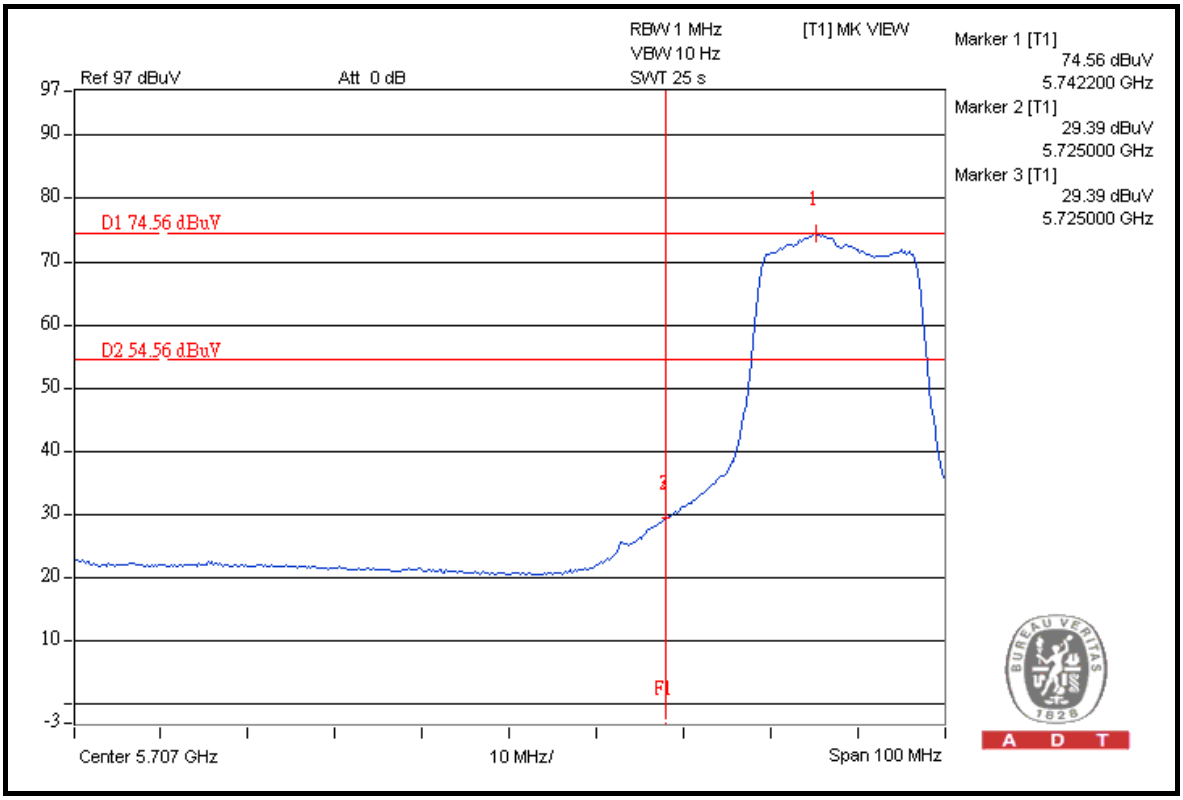

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 75.48 dBuV
D2 55.48 dBuV
Marker 1 [T1]
75.48 dBuV
5.823600 GHz
Marker 2 [T1]
27.46 dBuV
5.850000 GHz
Marker 3 [T1]
29.75 dBuV
5.904600 GHz
Center 5.864 GHz
10 MHz/
Span 100 MHz

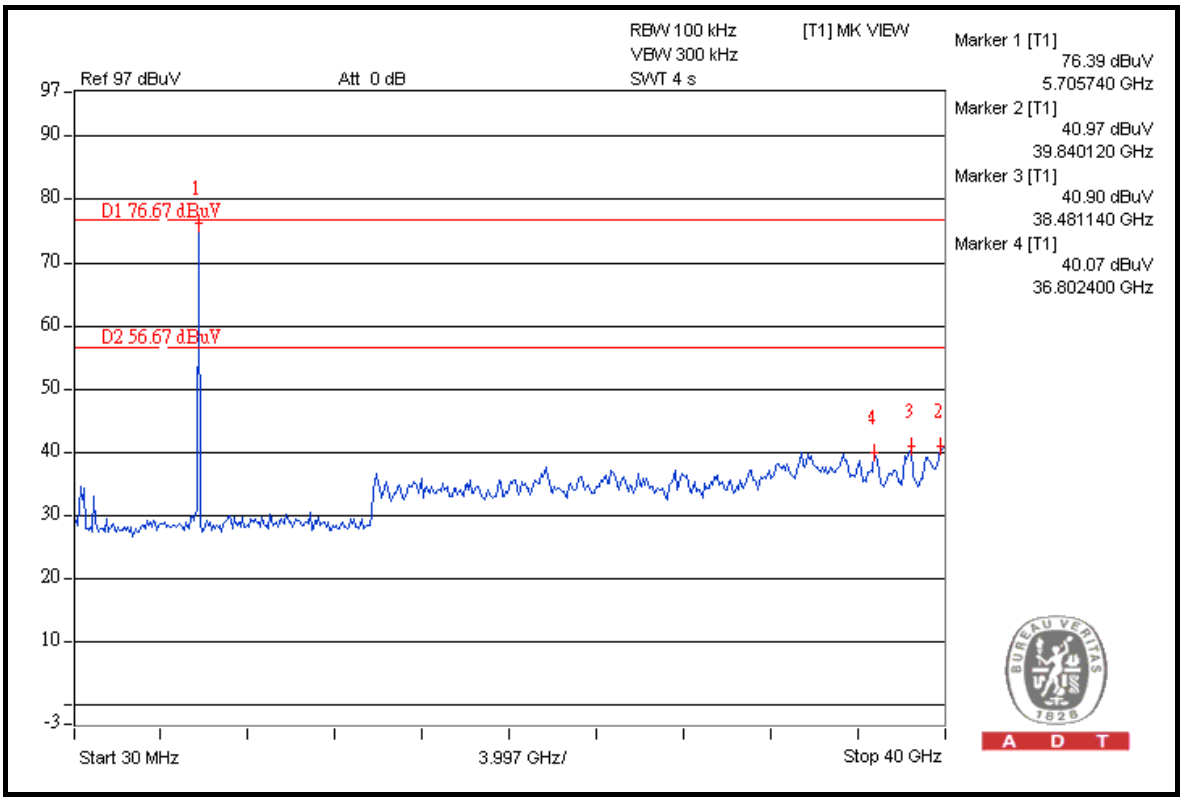

RBW 1 MHz
VBW 10 Hz
SWT 25 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
74.37 dBuV
5.823800 GHz
Marker 2 [T1]
22.08 dBuV
5.850000 GHz
Marker 3 [T1]
22.13 dBuV
5.850200 GHz
D1 74.37 dBuV
D2 54.37 dBuV
Center 5.864 GHz
10 MHz/
Span 100 MHz

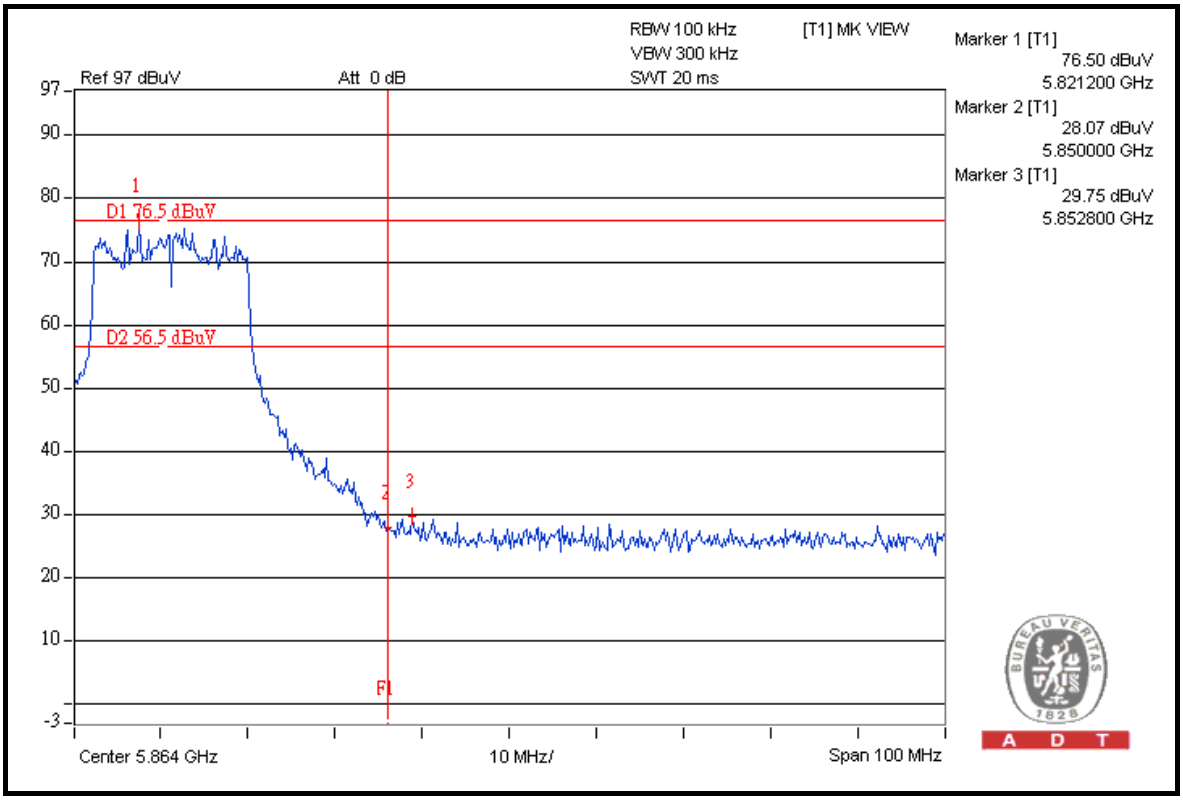

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
74.02 dBuV
5.785680 GHz
Marker 2 [T1]
40.27 dBuV
38.401200 GHz
Marker 3 [T1]
39.87 dBuV
35.283540 GHz
Marker 4 [T1]
39.67 dBuV
33.924560 GHz
D1 75.48 dBuV
D2 55.48 dBuV
Start 30 MHz
3.997 GHz/
Stop 40 GHz

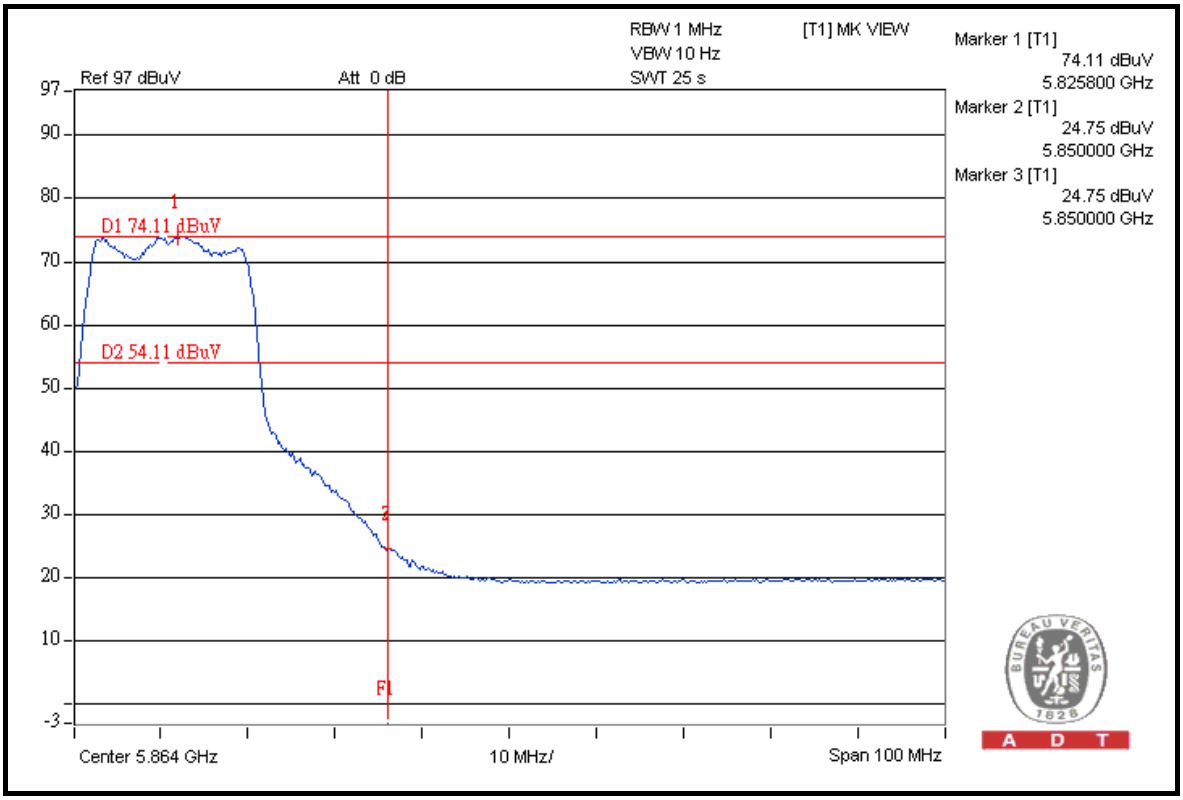
802.11n (20MHz)

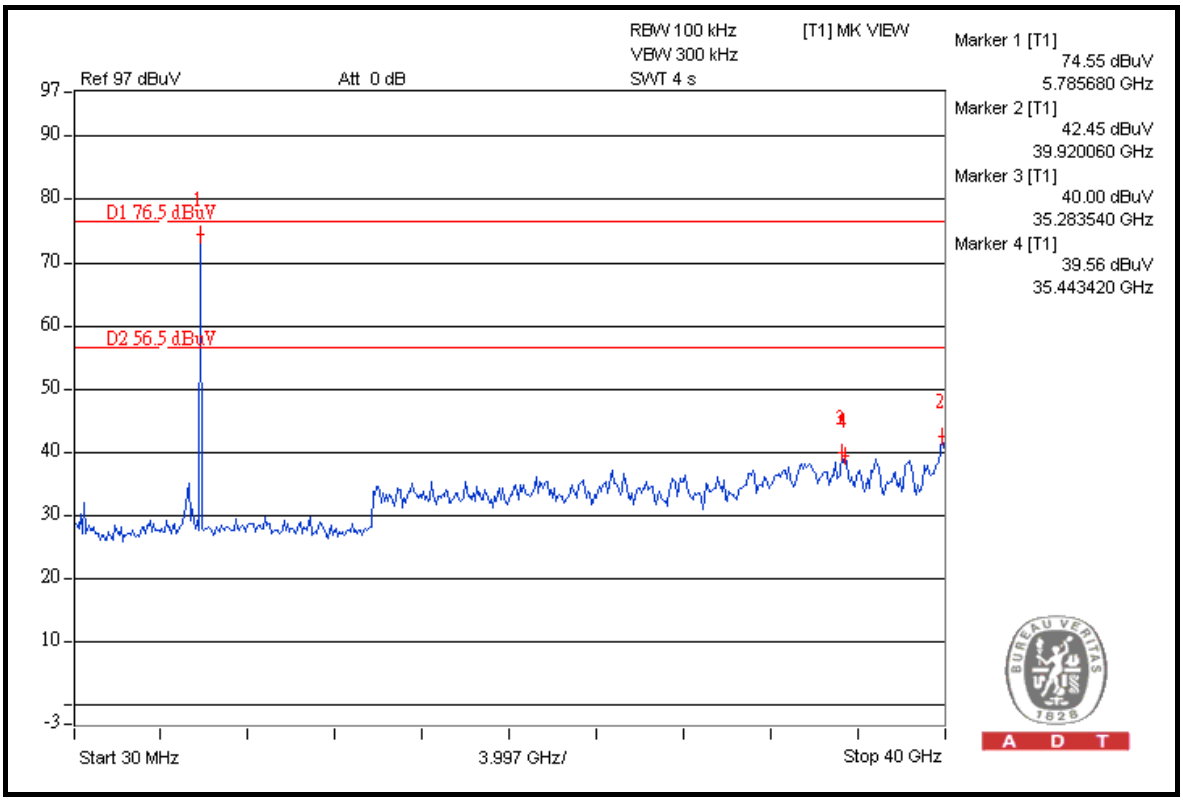




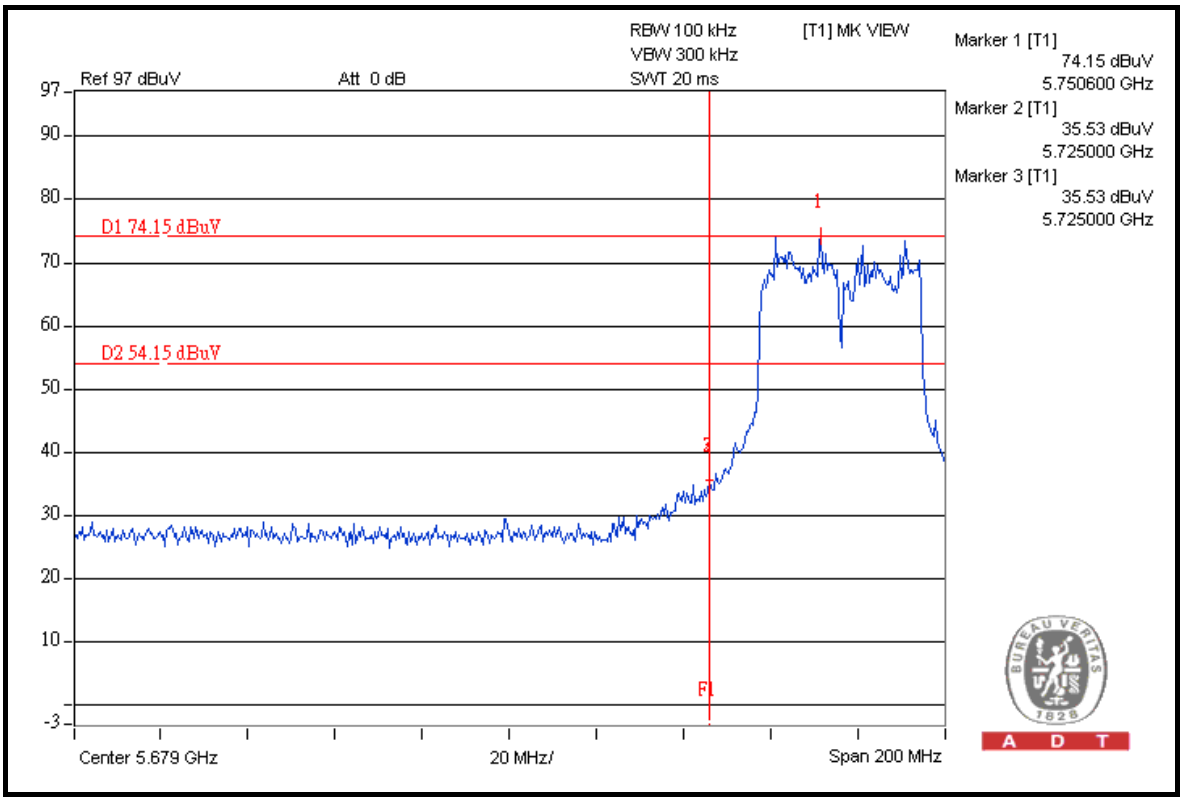

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
76.39 dBuV
5.705740 GHz
Marker 2 [T1]
40.97 dBuV
39.840120 GHz
Marker 3 [T1]
40.90 dBuV
38.481140 GHz
Marker 4 [T1]
40.07 dBuV
36.802400 GHz
D1 76.67 dBuV
D2 56.67 dBuV
Start 30 MHz
3.997 GHz/
Stop 40 GHz

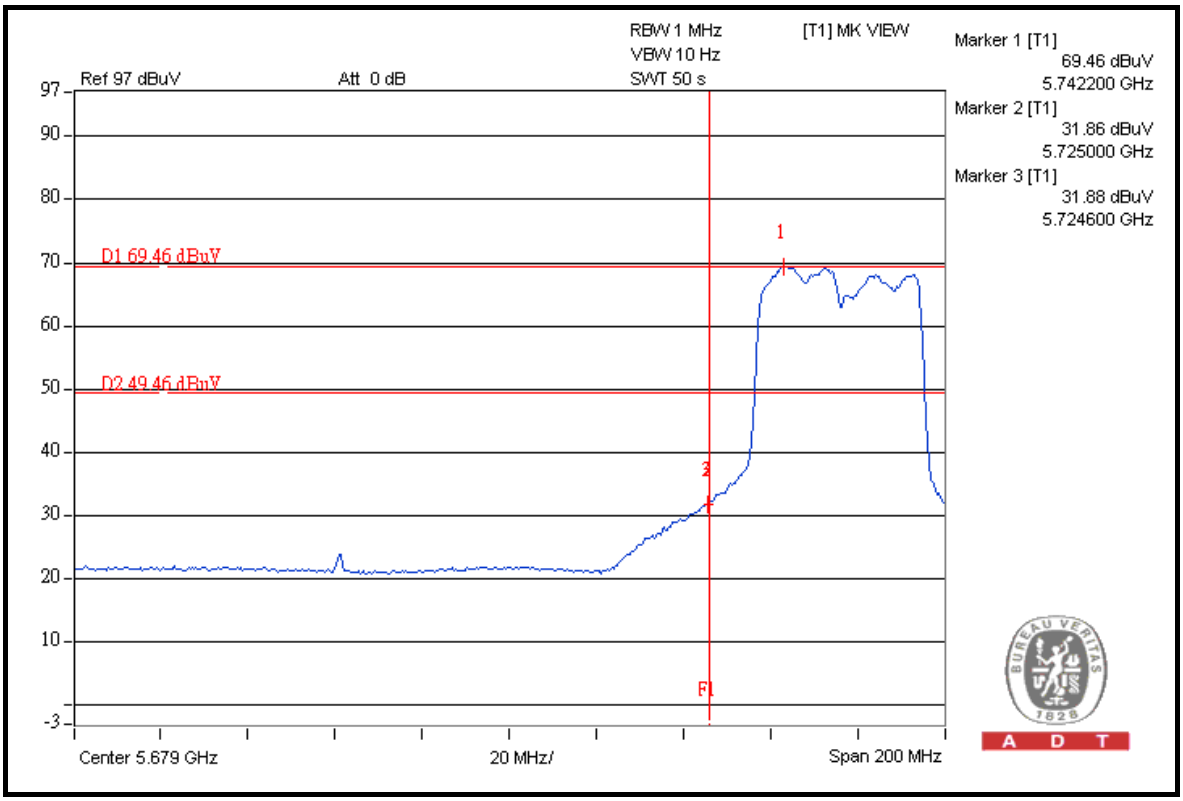

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
76.50 dBuV
5.821200 GHz
Marker 2 [T1]
28.07 dBuV
5.850000 GHz
Marker 3 [T1]
29.75 dBuV
5.852800 GHz
D1 76.5 dBuV
D2 56.5 dBuV
Center 5.864 GHz
10 MHz/
Span 100 MHz

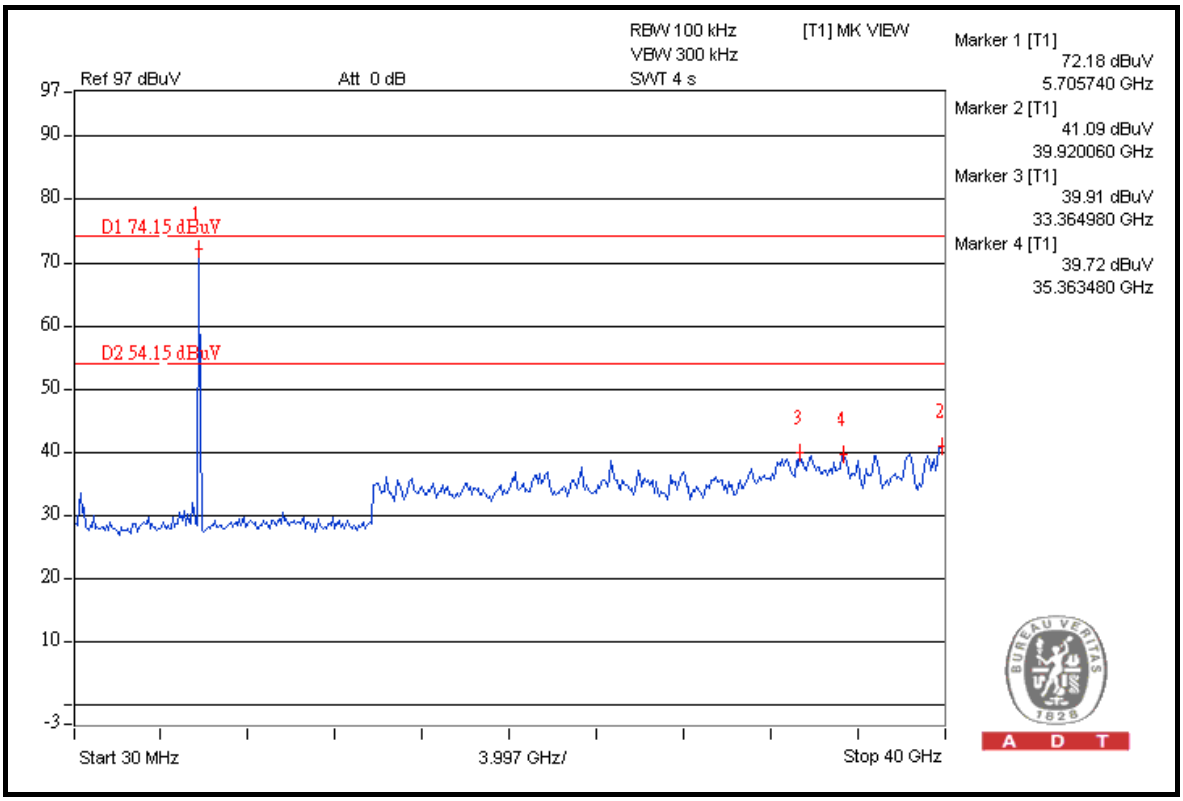

RBW 1 MHz
VBW 10 Hz
SWT 25 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
74.11 dBuV
5.825800 GHz
Marker 2 [T1]
24.75 dBuV
5.850000 GHz
Marker 3 [T1]
24.75 dBuV
5.850000 GHz
D1 74.11 dBuV
D2 54.11 dBuV
Center 5.864 GHz
10 MHz/
Span 100 MHz

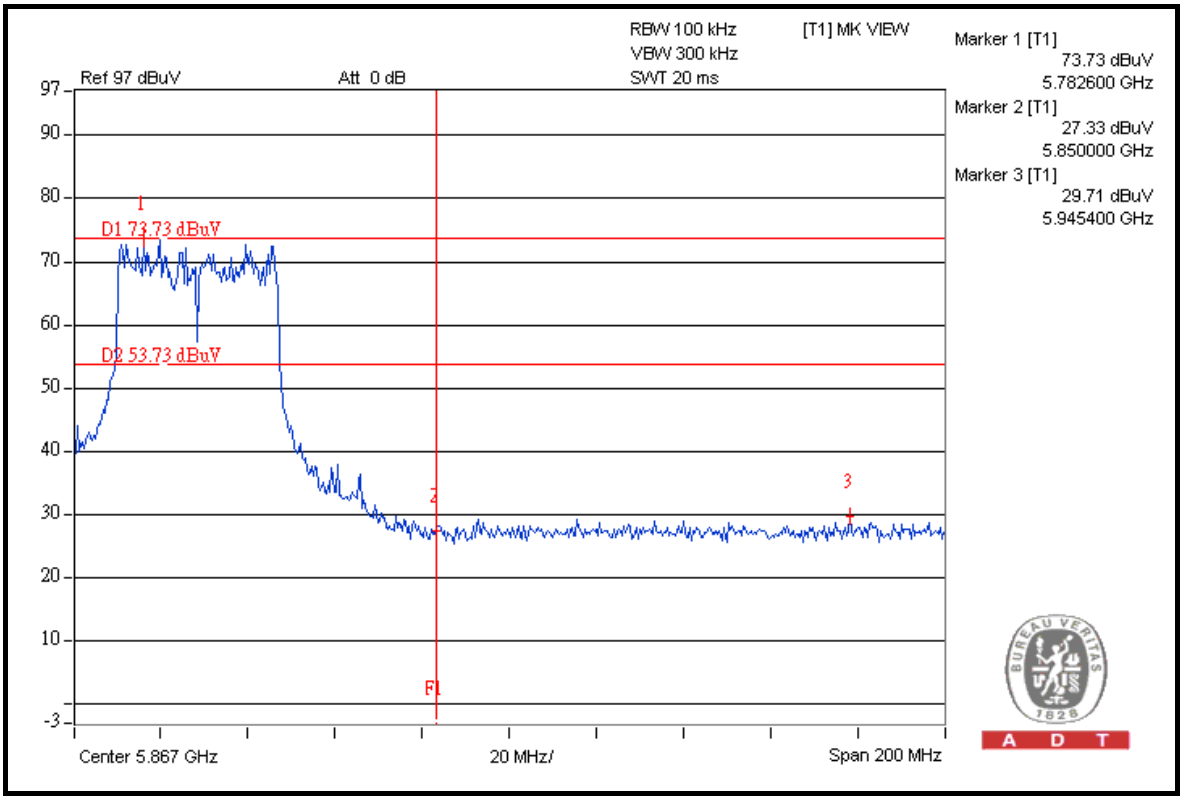

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
74.55 dBuV
5.785680 GHz
Marker 2 [T1]
42.45 dBuV
39.920060 GHz
Marker 3 [T1]
40.00 dBuV
35.283540 GHz
Marker 4 [T1]
39.56 dBuV
35.443420 GHz
D1 76.5 dBuV
D2 56.5 dBuV
Start 30 MHz
3.997 GHz/
Stop 40 GHz

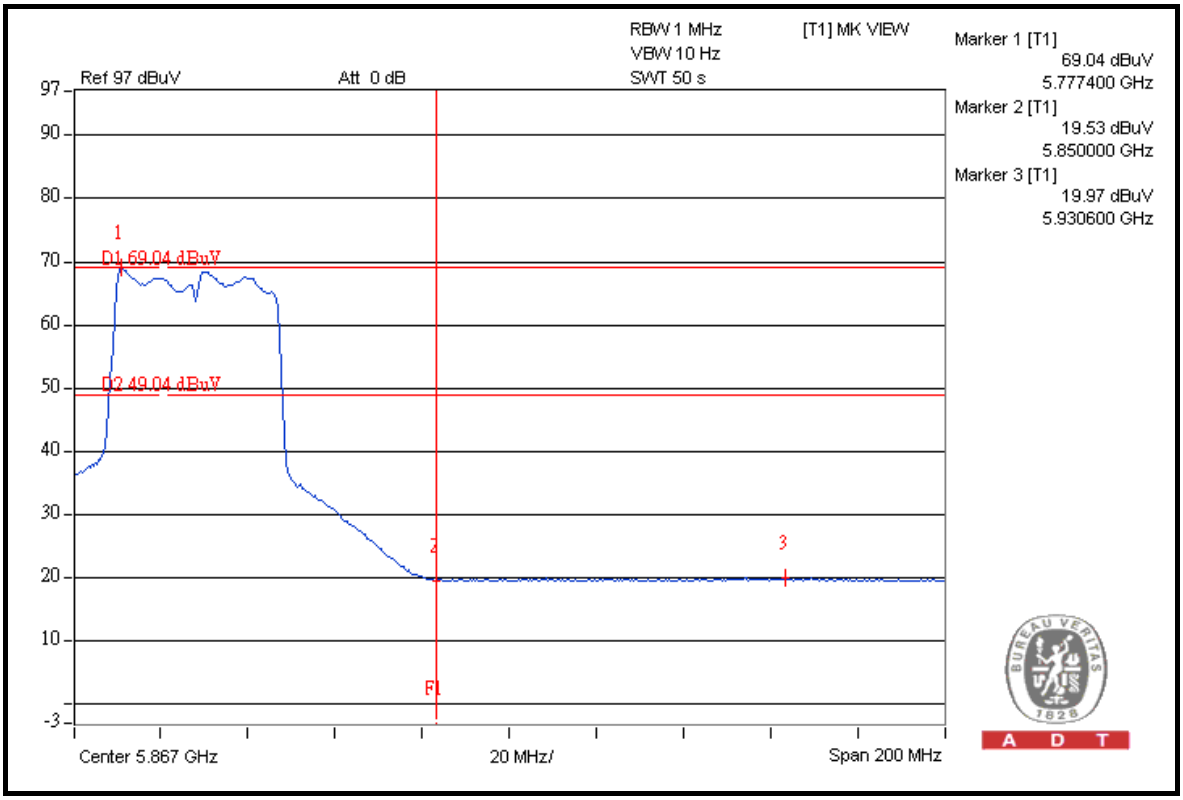
802.11n (40MHz)

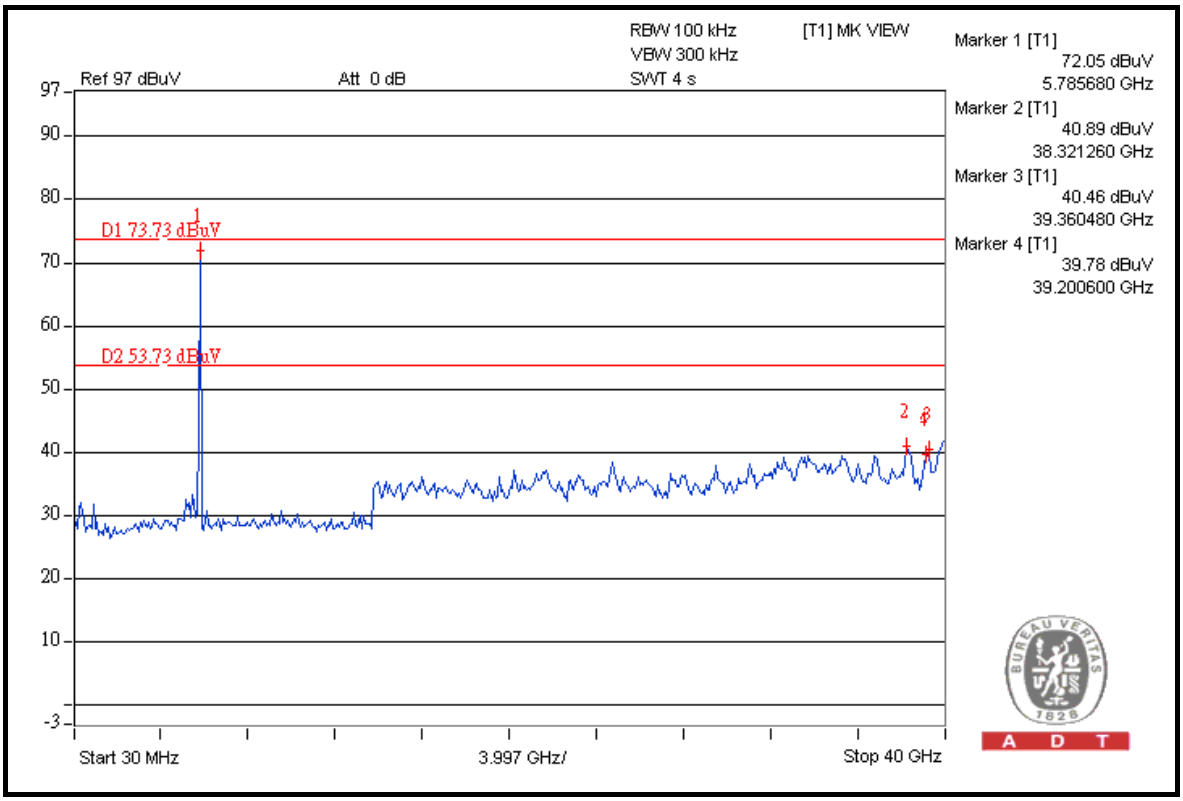





RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 74.15 dBuV
D2 54.15 dBuV
Marker 1 [T1]
72.18 dBuV
5.705740 GHz
Marker 2 [T1]
41.09 dBuV
39.920060 GHz
Marker 3 [T1]
39.91 dBuV
33.364980 GHz
Marker 4 [T1]
39.72 dBuV
35.363480 GHz
Start 30 MHz
3.997 GHz/
Stop 40 GHz


RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 73.73 dBuV
D2 53.73 dBuV
Marker 1 [T1]
73.73 dBuV
5.782600 GHz
Marker 2 [T1]
27.33 dBuV
5.850000 GHz
Marker 3 [T1]
29.71 dBuV
5.945400 GHz
Center 5.867 GHz
20 MHz/
Span 200 MHz

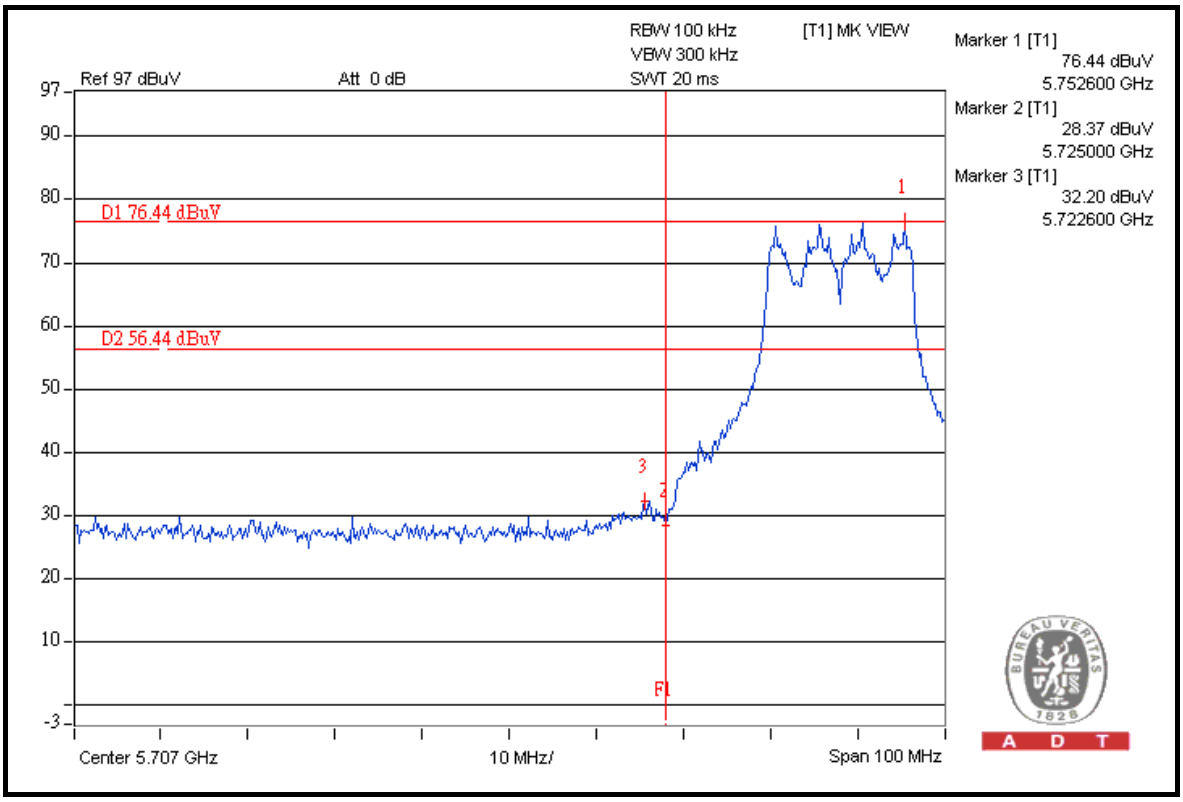

RBW 1 MHz
VBW 10 Hz
SWT 50 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
69.04 dBuV
5.777400 GHz
Marker 2 [T1]
19.53 dBuV
5.850000 GHz
Marker 3 [T1]
19.97 dBuV
5.930600 GHz
D1 69.04 dBuV
D2 49.04 dBuV
Center 5.867 GHz
20 MHz/
Span 200 MHz

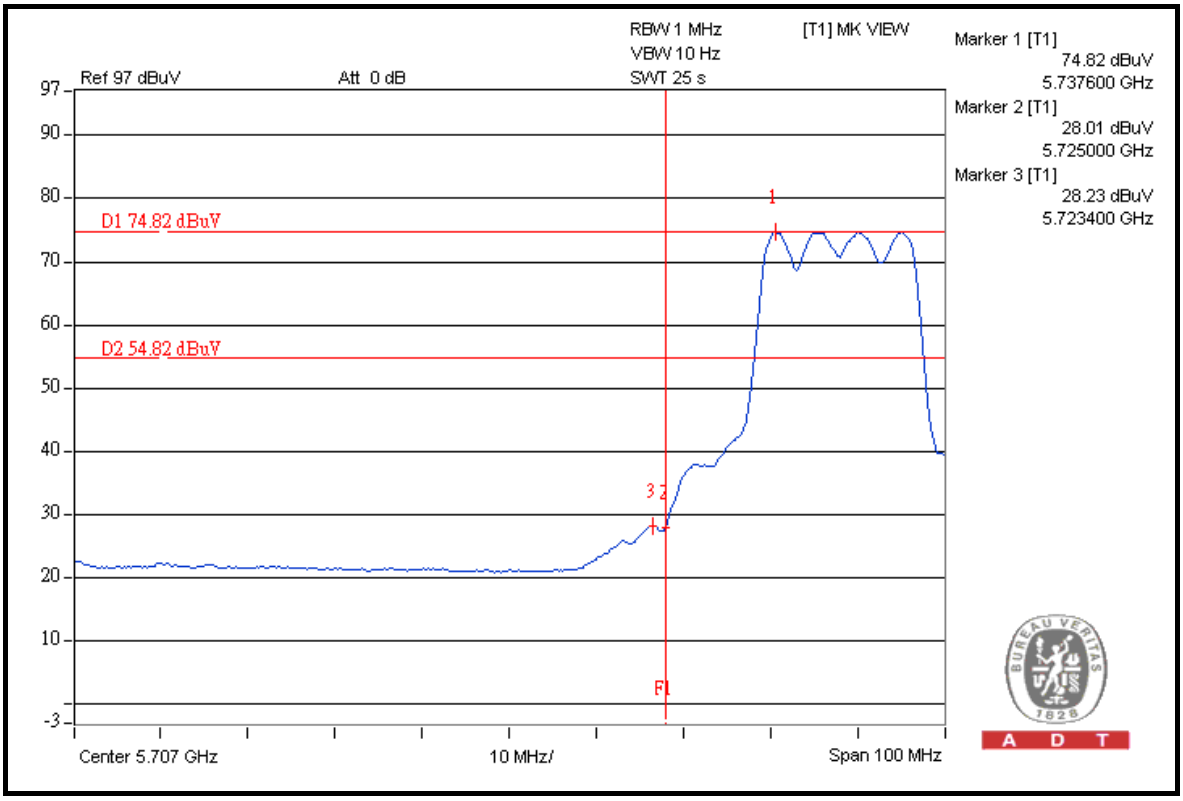

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
72.05 dBuV
5.785680 GHz
Marker 2 [T1]
40.89 dBuV
38.321260 GHz
Marker 3 [T1]
40.46 dBuV
39.360480 GHz
Marker 4 [T1]
39.78 dBuV
39.200600 GHz
D1 73.73 dBuV
D2 53.73 dBuV
Start 30 MHz
3.997 GHz/
Stop 40 GHz

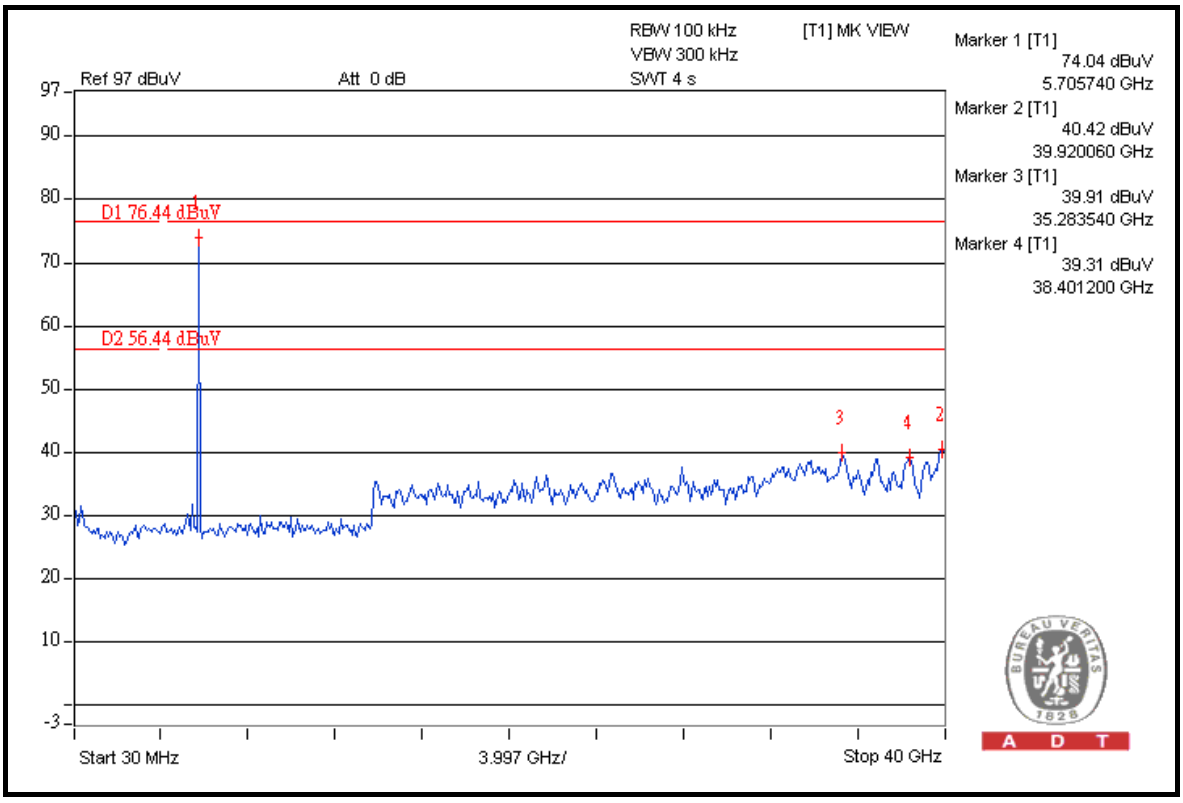
5.6.13 TEST RESULTS (TEST MODE D 2)

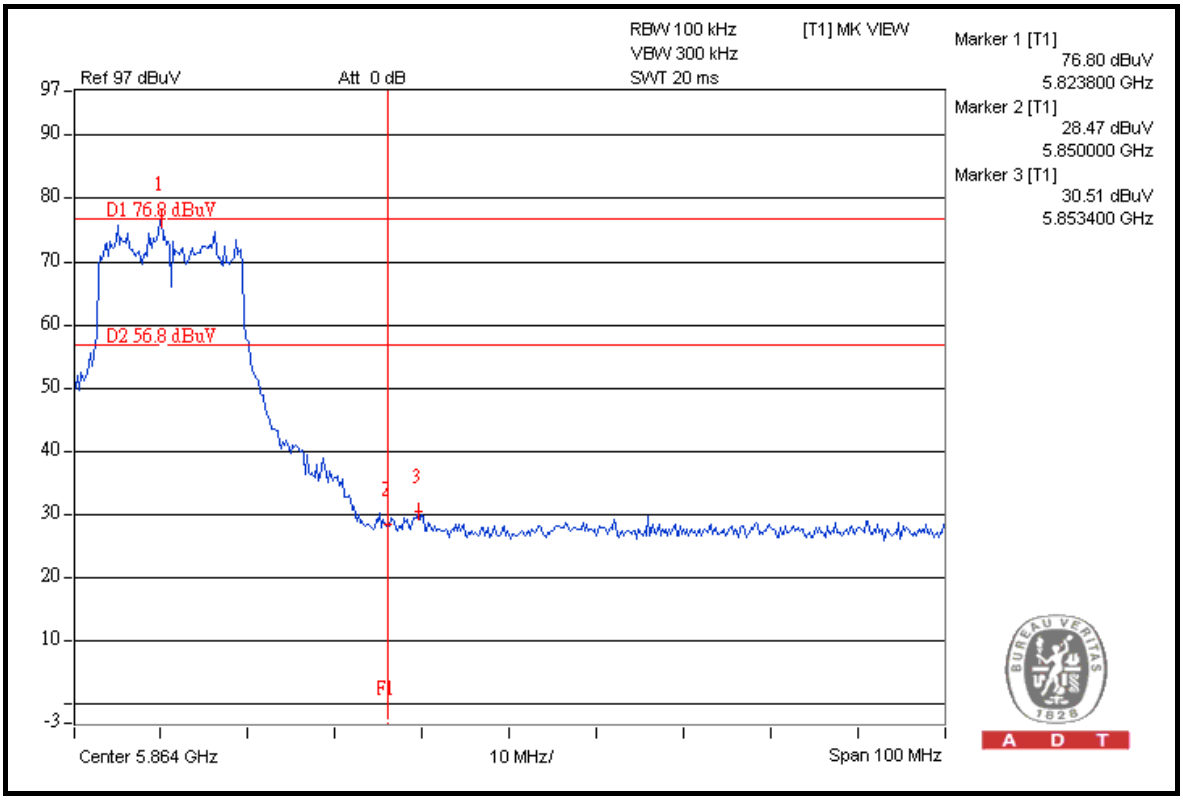
The spectrum plots are attached on the following pages. D1 line indicates the highest level, D2 line indicates the 20dB offset below D1. It shows compliance with the requirement in part 15.247(d).

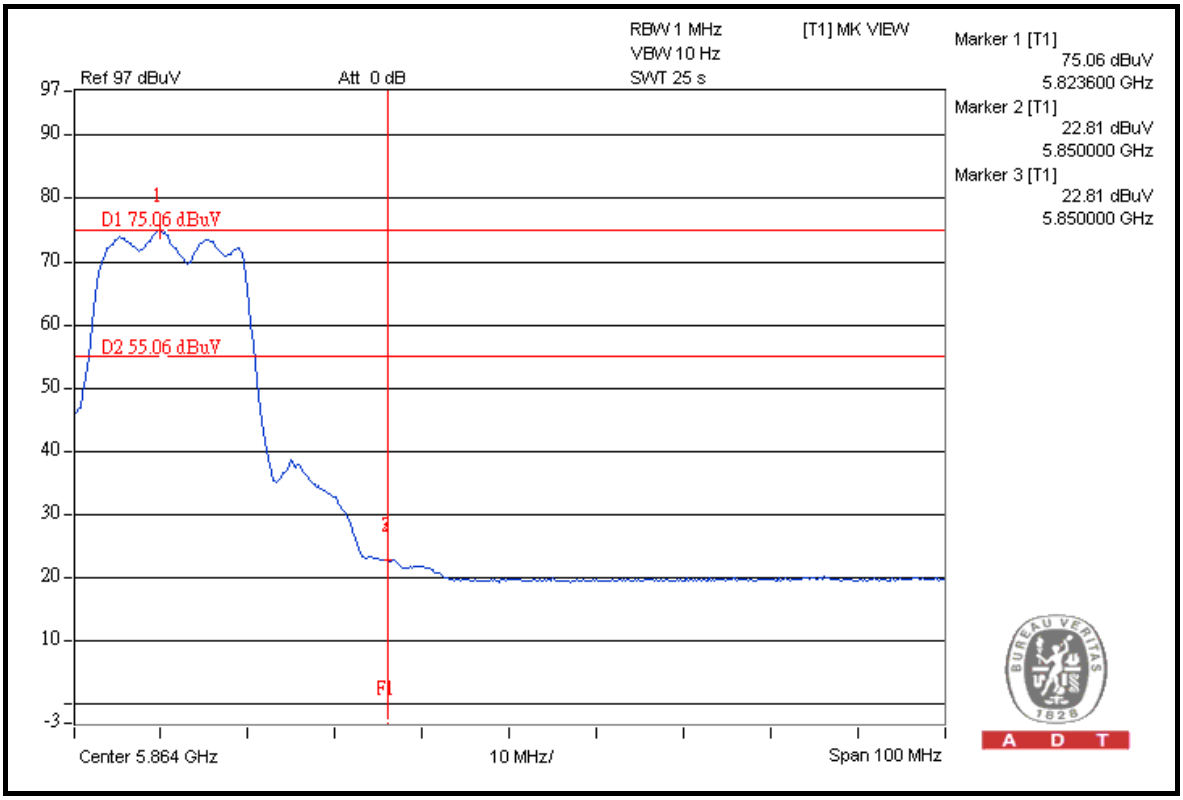
802.11a

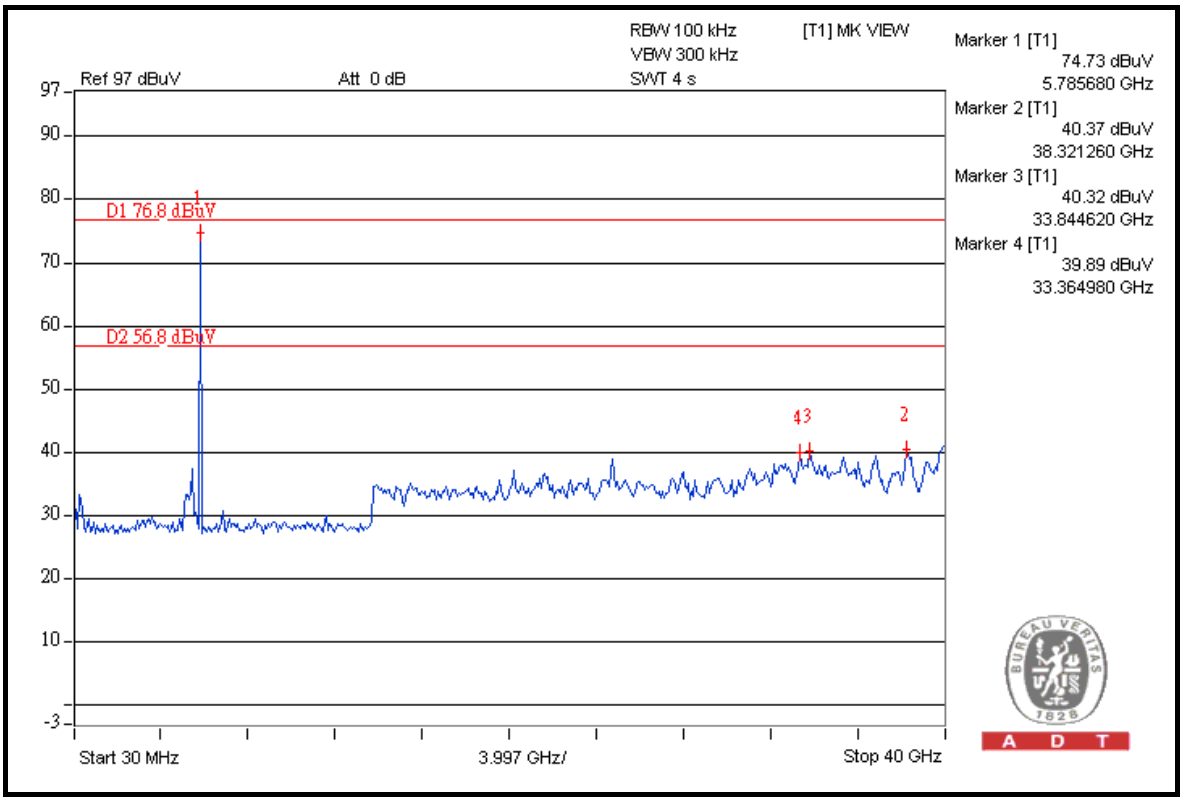

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
76.44 dBuV
5.752600 GHz
Marker 2 [T1]
28.37 dBuV
5.725000 GHz
Marker 3 [T1]
32.20 dBuV
5.722600 GHz
D1 76.44 dBuV
D2 56.44 dBuV
Center 5.707 GHz
10 MHz/
Span 100 MHz


RBW 1 MHz
VBW 10 Hz
SWT 25 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
74.82 dBuV
5.737600 GHz
Marker 2 [T1]
28.01 dBuV
5.725000 GHz
Marker 3 [T1]
28.23 dBuV
5.723400 GHz
D1 74.82 dBuV
D2 54.82 dBuV
Center 5.707 GHz
10 MHz/
Span 100 MHz

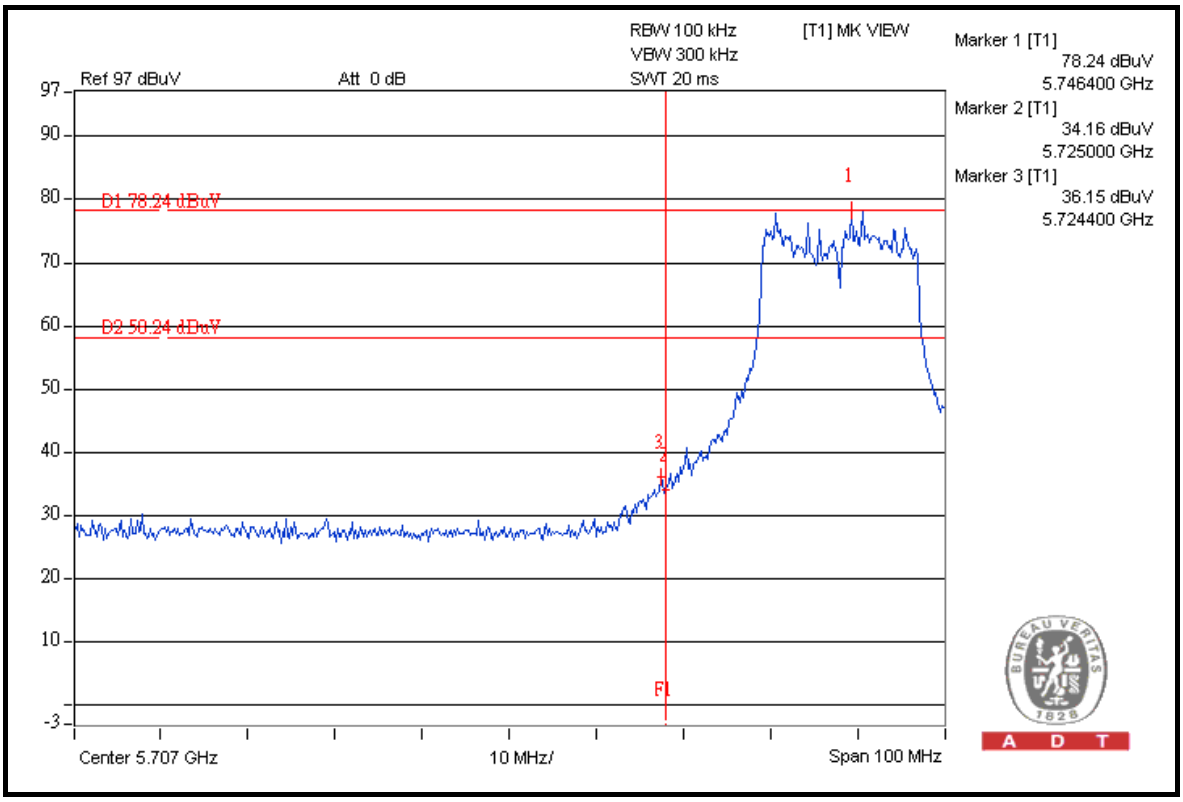

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 76.44 dBuV
D2 56.44 dBuV
Marker 1 [T1]
74.04 dBuV
5.705740 GHz
Marker 2 [T1]
40.42 dBuV
39.920060 GHz
Marker 3 [T1]
39.91 dBuV
35.283540 GHz
Marker 4 [T1]
39.31 dBuV
38.401200 GHz
Start 30 MHz
3.997 GHz/
Stop 40 GHz

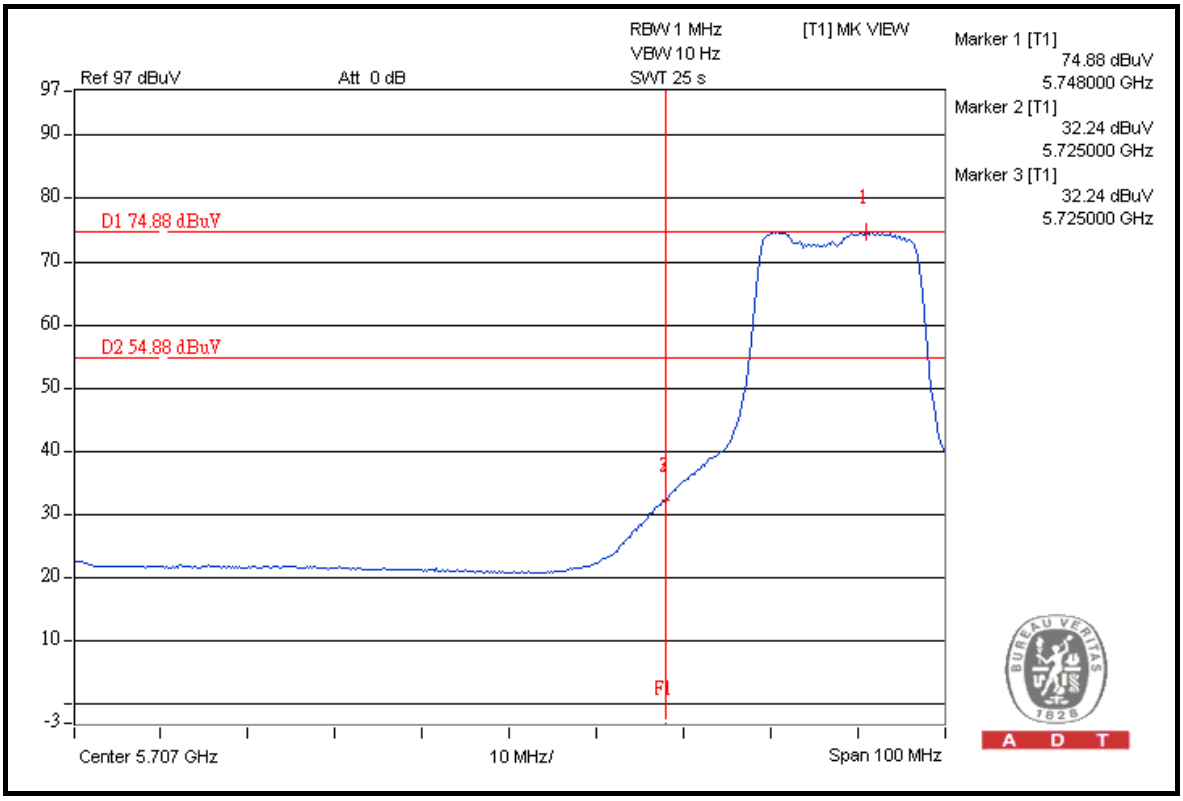

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 76.8 dBuV
D2 56.8 dBuV
Marker 1 [T1]
76.80 dBuV
5.823800 GHz
Marker 2 [T1]
28.47 dBuV
5.850000 GHz
Marker 3 [T1]
30.51 dBuV
5.853400 GHz
Center 5.864 GHz
10 MHz/
Span 100 MHz

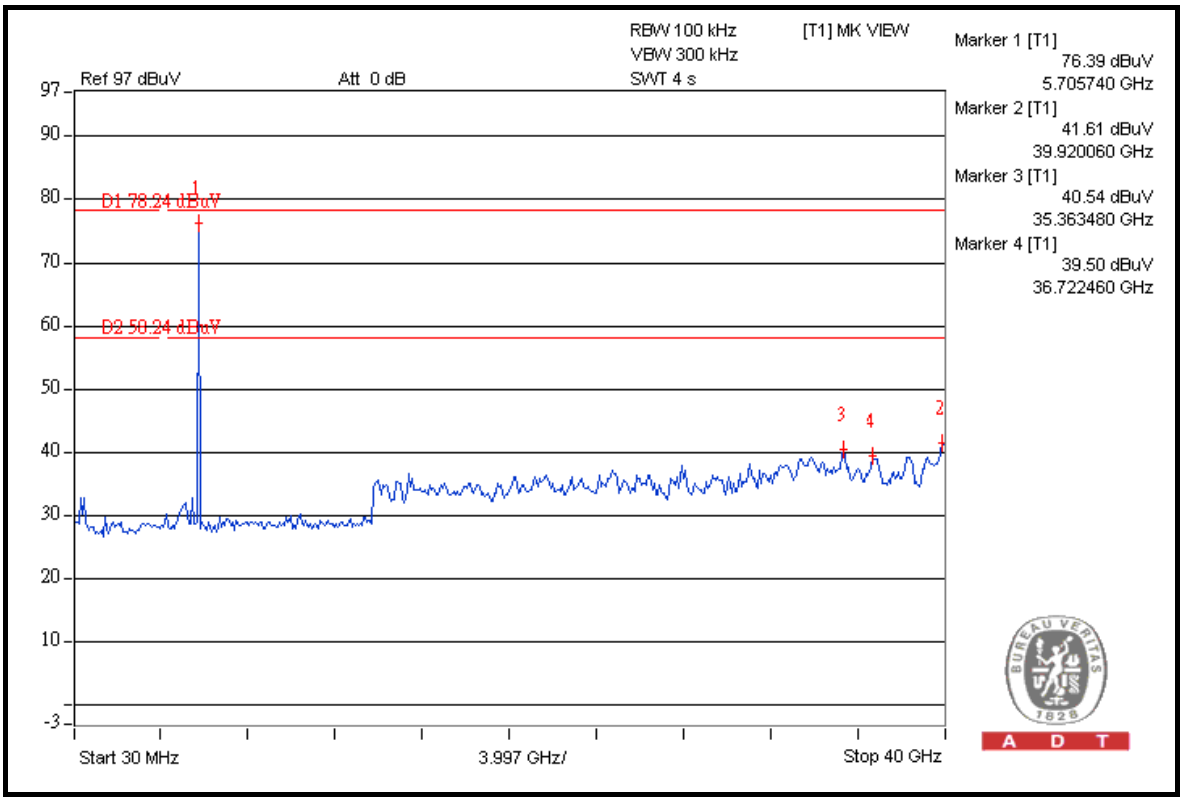

RBW 1 MHz
VBW 10 Hz
SWT 25 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
75.06 dBuV
5.823600 GHz
Marker 2 [T1]
22.81 dBuV
5.850000 GHz
Marker 3 [T1]
22.81 dBuV
5.850000 GHz
D1 75.06 dBuV
D2 55.06 dBuV
Center 5.864 GHz
10 MHz/
Span 100 MHz

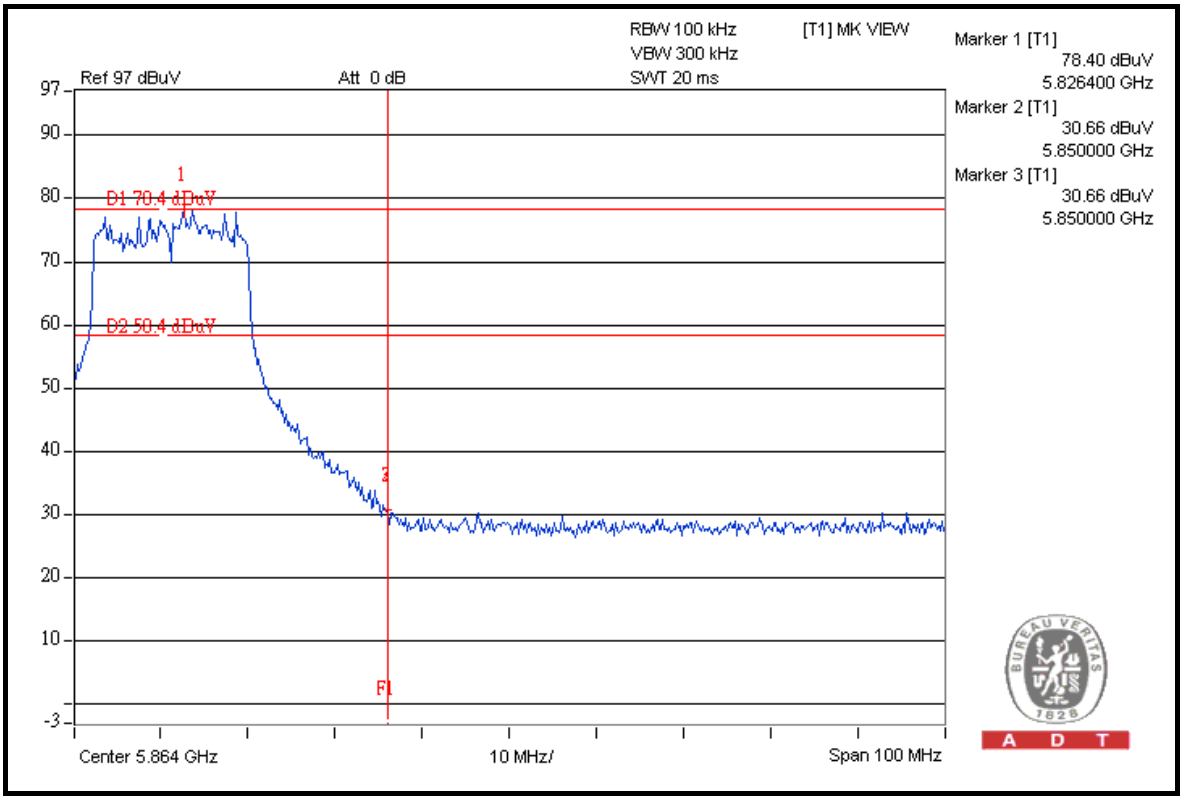

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
74.73 dBuV
5.785680 GHz
Marker 2 [T1]
40.37 dBuV
38.321260 GHz
Marker 3 [T1]
40.32 dBuV
33.844620 GHz
Marker 4 [T1]
39.89 dBuV
33.364980 GHz
D1 76.8 dBuV
D2 56.8 dBuV
Start 30 MHz
3.997 GHz/
Stop 40 GHz

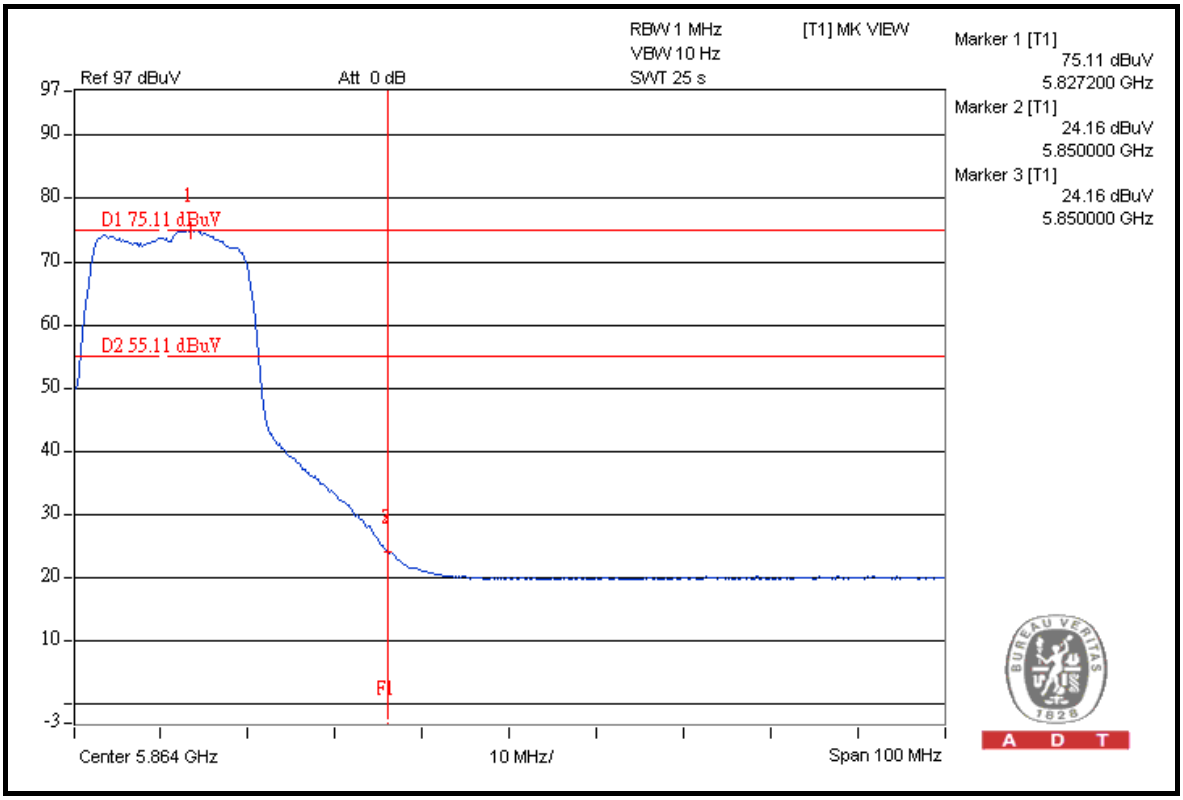
802.11n (20MHz)

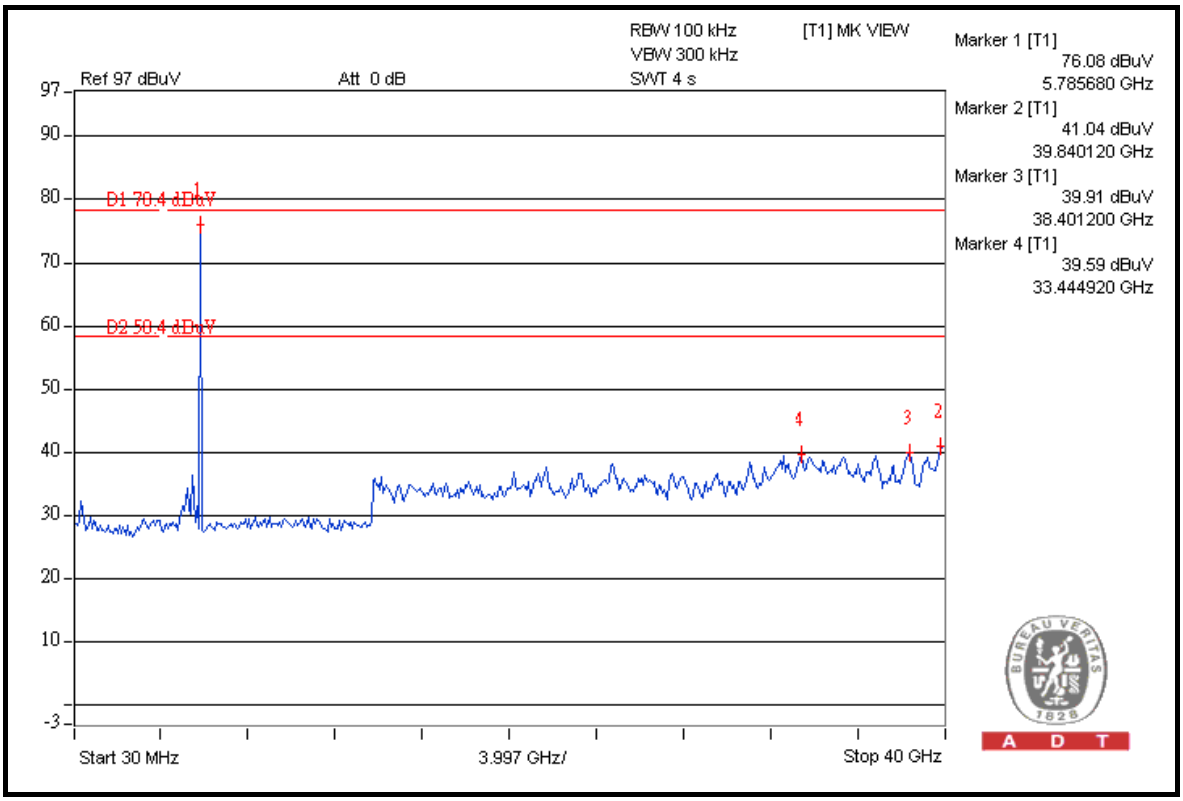




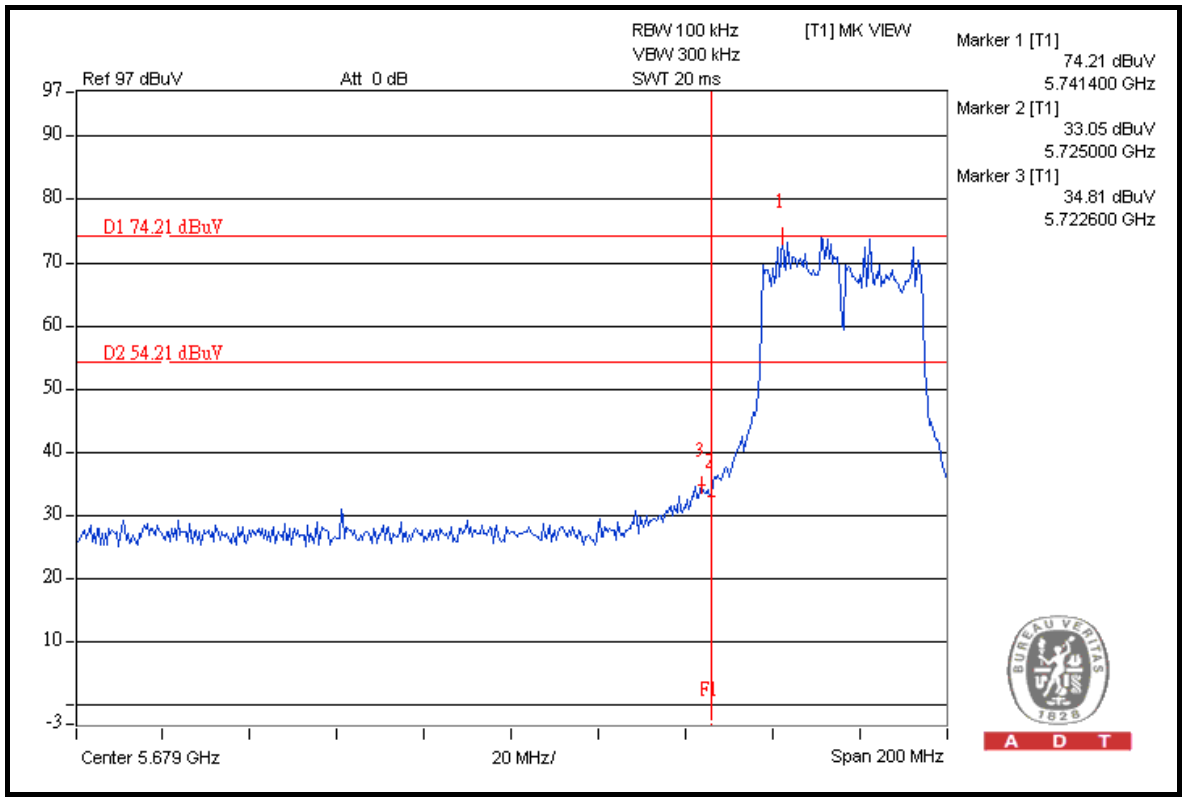

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 78.24 dBuV
D2 50.24 dBuV
Marker 1 [T1]
76.39 dBuV
5.705740 GHz
Marker 2 [T1]
41.61 dBuV
39.920060 GHz
Marker 3 [T1]
40.54 dBuV
35.363480 GHz
Marker 4 [T1]
39.50 dBuV
36.722460 GHz
Start 30 MHz
3.997 GHz/
Stop 40 GHz

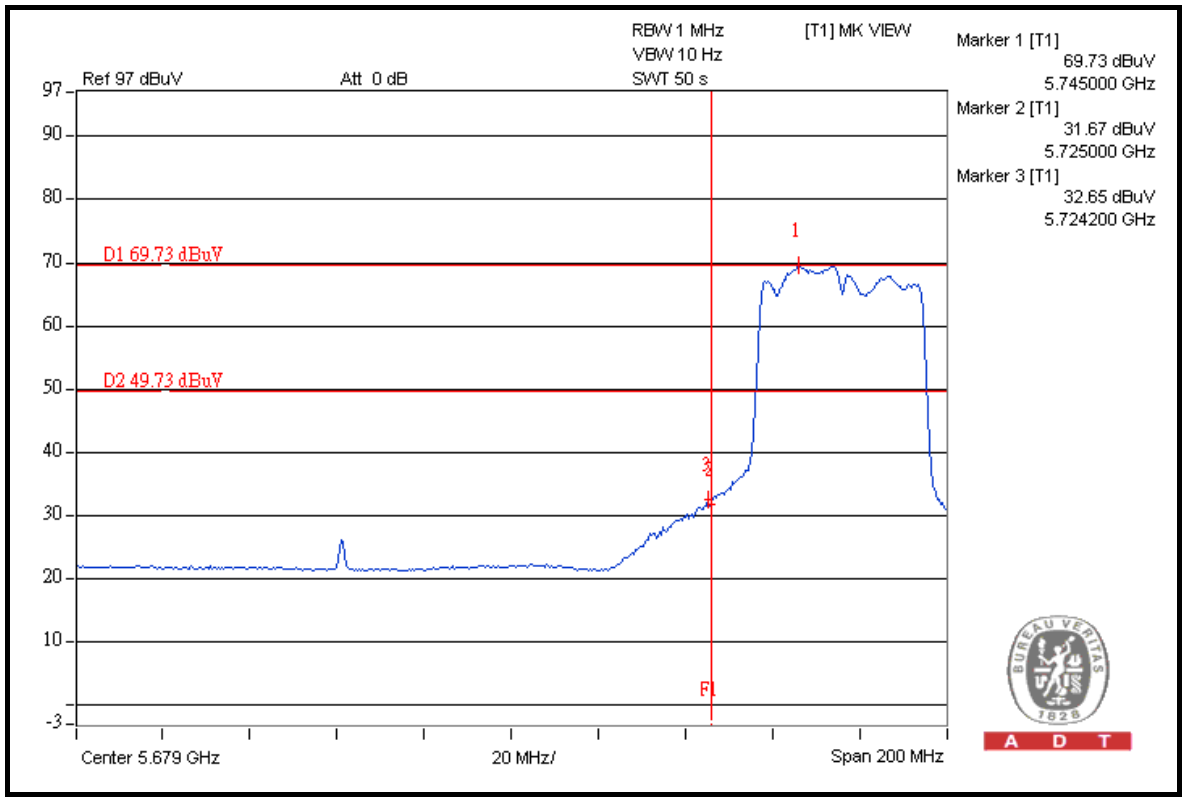

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 70.4 dBuV
D2 50.4 dBuV
Marker 1 [T1]
78.40 dBuV
5.826400 GHz
Marker 2 [T1]
30.66 dBuV
5.850000 GHz
Marker 3 [T1]
30.66 dBuV
5.850000 GHz
Center 5.864 GHz
10 MHz/
Span 100 MHz

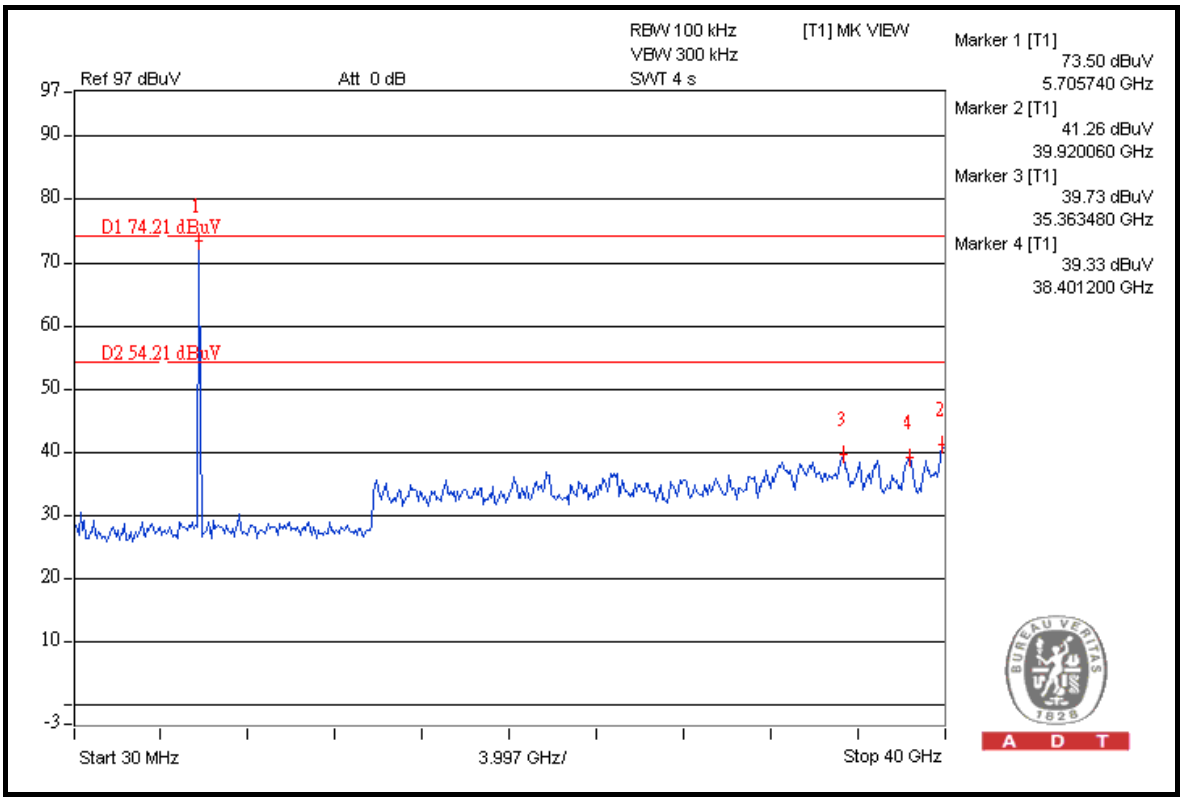

RBW 1 MHz
VBW 10 Hz
SWT 25 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 75.11 dBuV
D2 55.11 dBuV
Marker 1 [T1]
75.11 dBuV
5.827200 GHz
Marker 2 [T1]
24.16 dBuV
5.850000 GHz
Marker 3 [T1]
24.16 dBuV
5.850000 GHz
Center 5.864 GHz
10 MHz/
Span 100 MHz

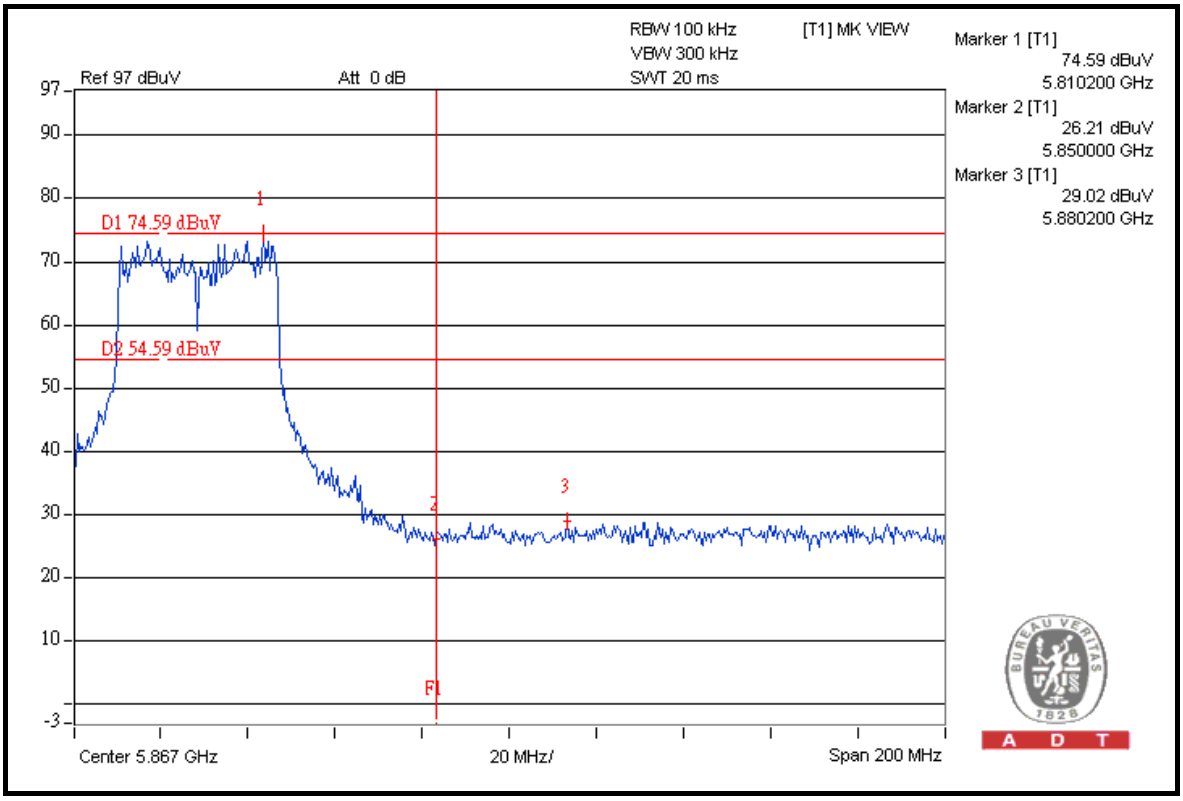

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 70.4 dBuV
D2 50.4 dBuV
Marker 1 [T1]
76.08 dBuV
5.785680 GHz
Marker 2 [T1]
41.04 dBuV
39.840120 GHz
Marker 3 [T1]
39.91 dBuV
38.401200 GHz
Marker 4 [T1]
39.59 dBuV
33.444920 GHz
Start 30 MHz
3.997 GHz/
Stop 40 GHz

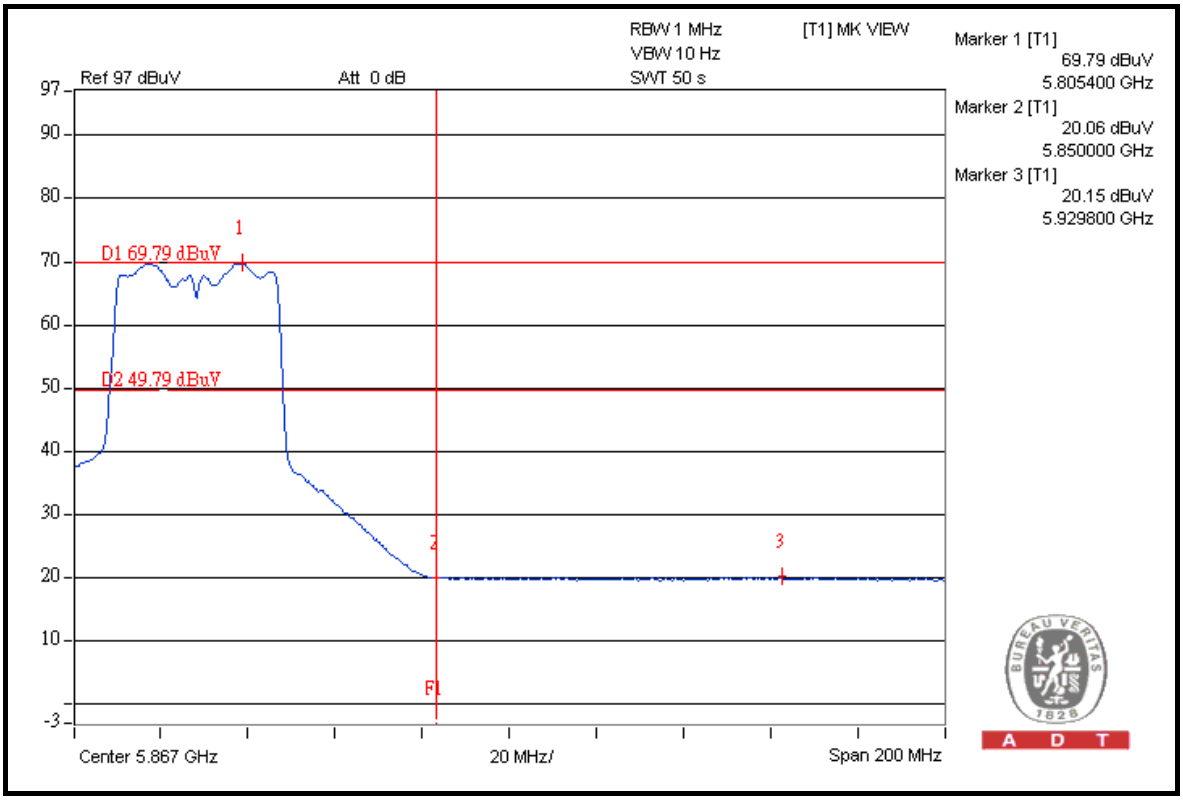
802.11n (40MHz)

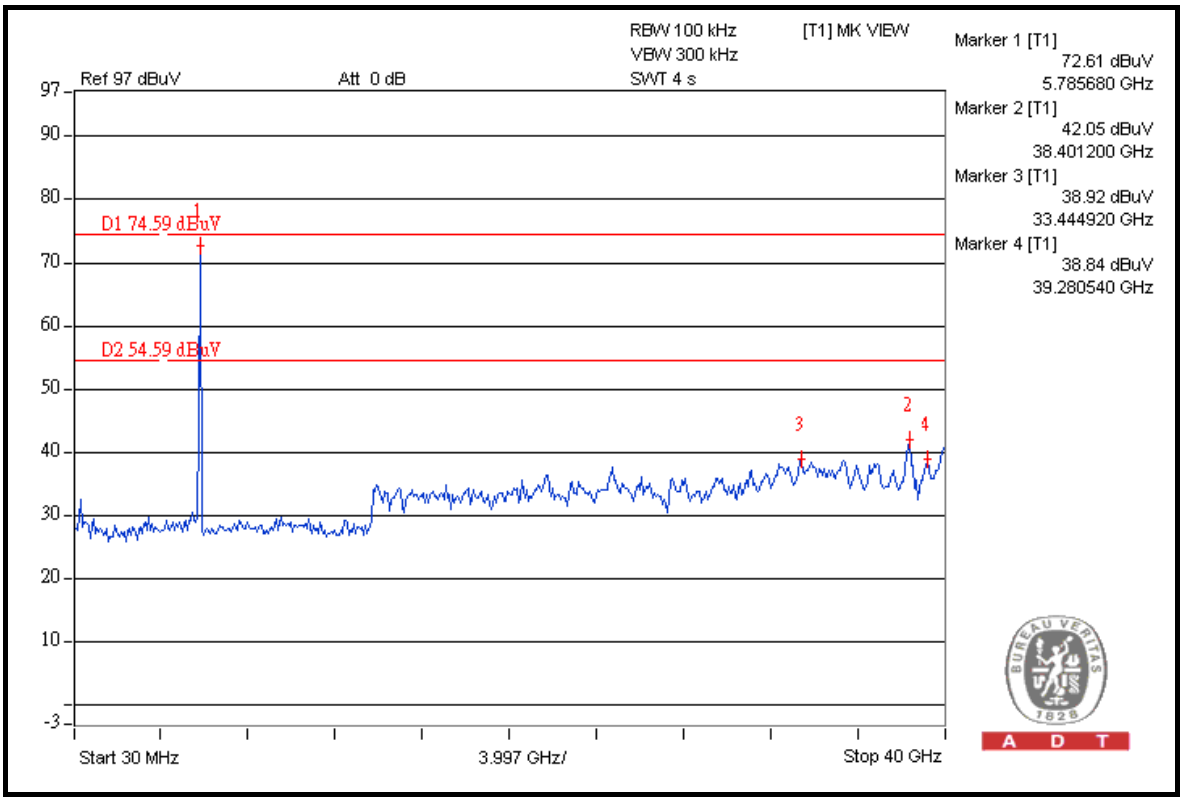





RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 74.21 dBuV
D2 54.21 dBuV
Marker 1 [T1]
73.50 dBuV
5.705740 GHz
Marker 2 [T1]
41.26 dBuV
39.920060 GHz
Marker 3 [T1]
39.73 dBuV
35.363480 GHz
Marker 4 [T1]
39.33 dBuV
38.401200 GHz
Start 30 MHz
3.997 GHz/
Stop 40 GHz


RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 74.59 dBuV
D2 54.59 dBuV
Marker 1 [T1]
74.59 dBuV
5.810200 GHz
Marker 2 [T1]
26.21 dBuV
5.850000 GHz
Marker 3 [T1]
29.02 dBuV
5.880200 GHz
Center 5.867 GHz
20 MHz/
Span 200 MHz

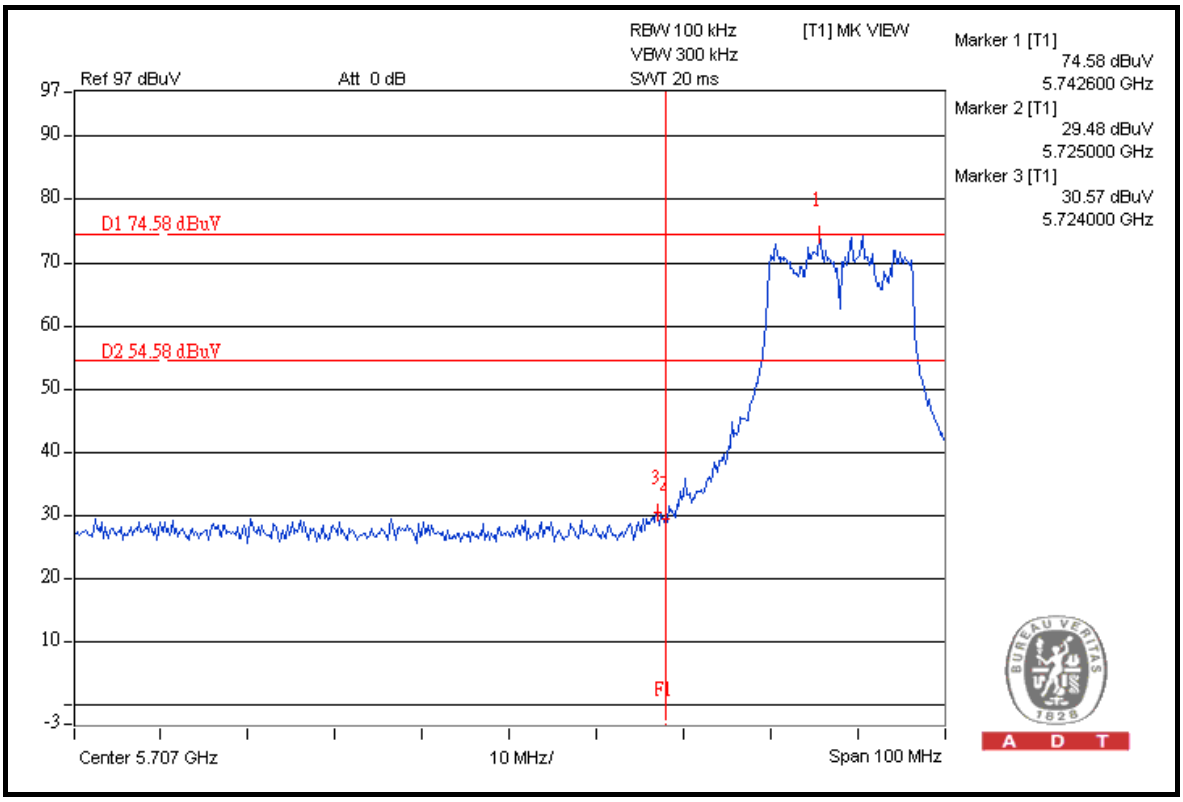

RBW 1 MHz
VBW 10 Hz
SWT 50 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
69.79 dBuV
5.805400 GHz
Marker 2 [T1]
20.06 dBuV
5.850000 GHz
Marker 3 [T1]
20.15 dBuV
5.929800 GHz
D1 69.79 dBuV
D2 49.79 dBuV
Center 5.867 GHz
20 MHz/
Span 200 MHz

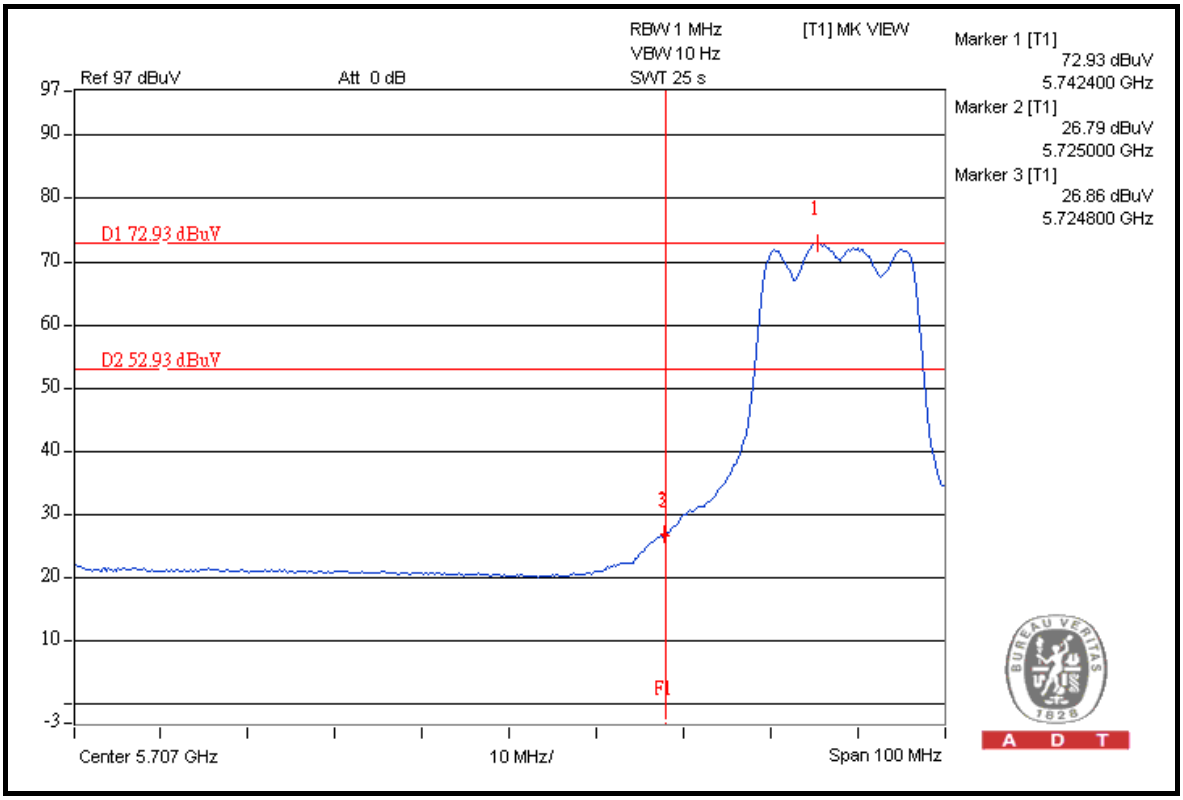

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
72.61 dBuV
5.785680 GHz
Marker 2 [T1]
42.05 dBuV
38.401200 GHz
Marker 3 [T1]
38.92 dBuV
33.444920 GHz
Marker 4 [T1]
38.84 dBuV
39.280540 GHz
D1 74.59 dBuV
D2 54.59 dBuV
Start 30 MHz
3.997 GHz/
Stop 40 GHz

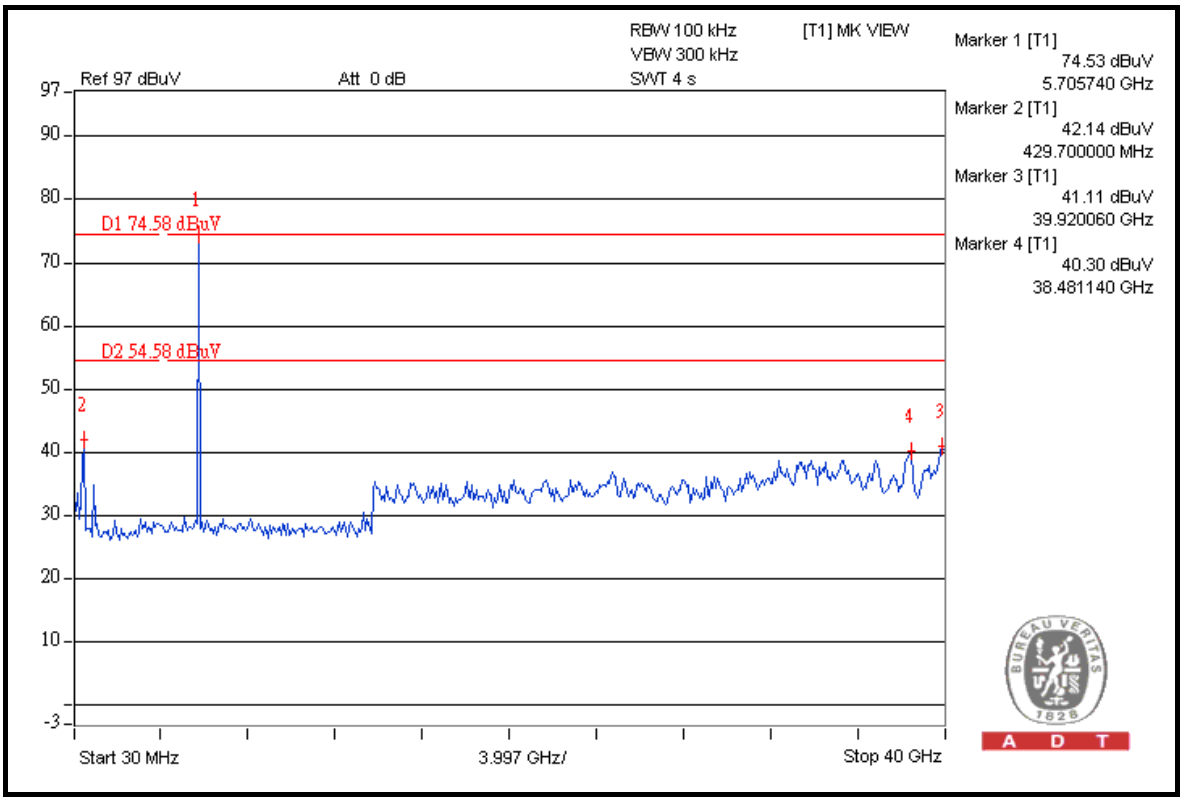
5.6.14 TEST RESULTS (TEST MODE E 1)

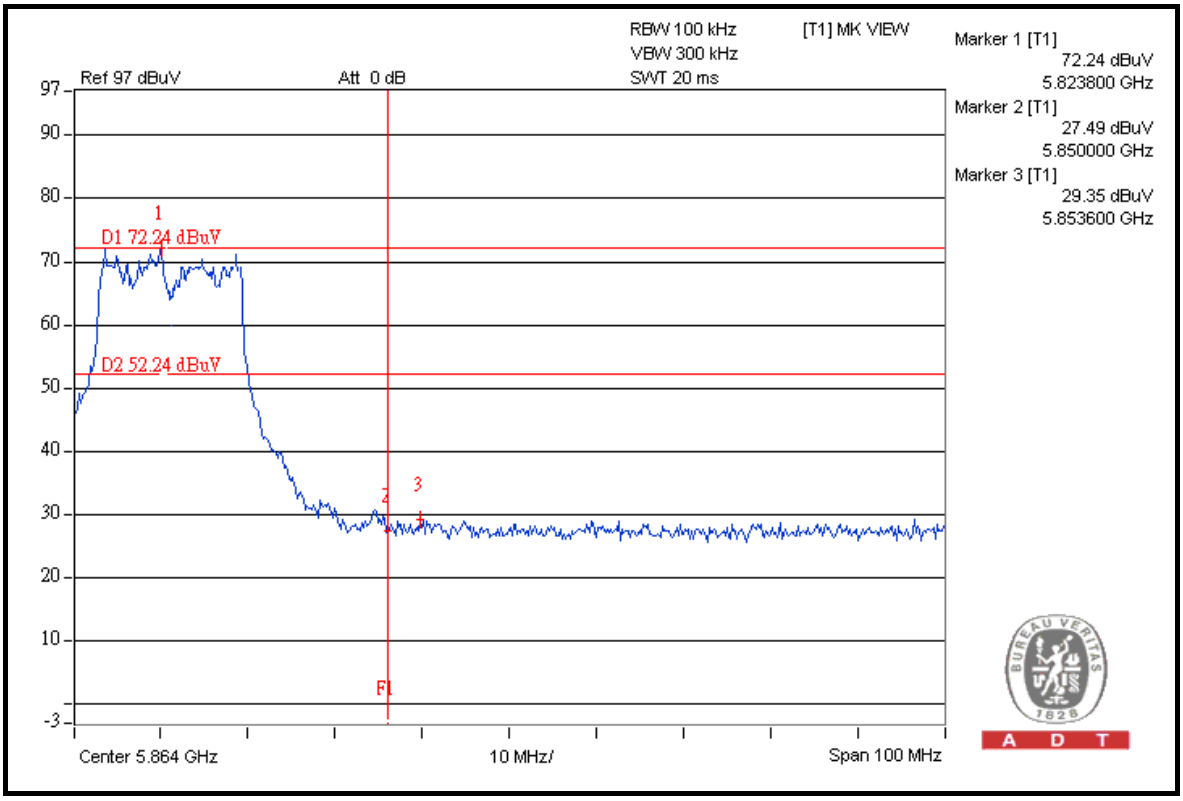
The spectrum plots are attached on the following pages. D1 line indicates the highest level, D2 line indicates the 20dB offset below D1. It shows compliance with the requirement in part 15.247(d).

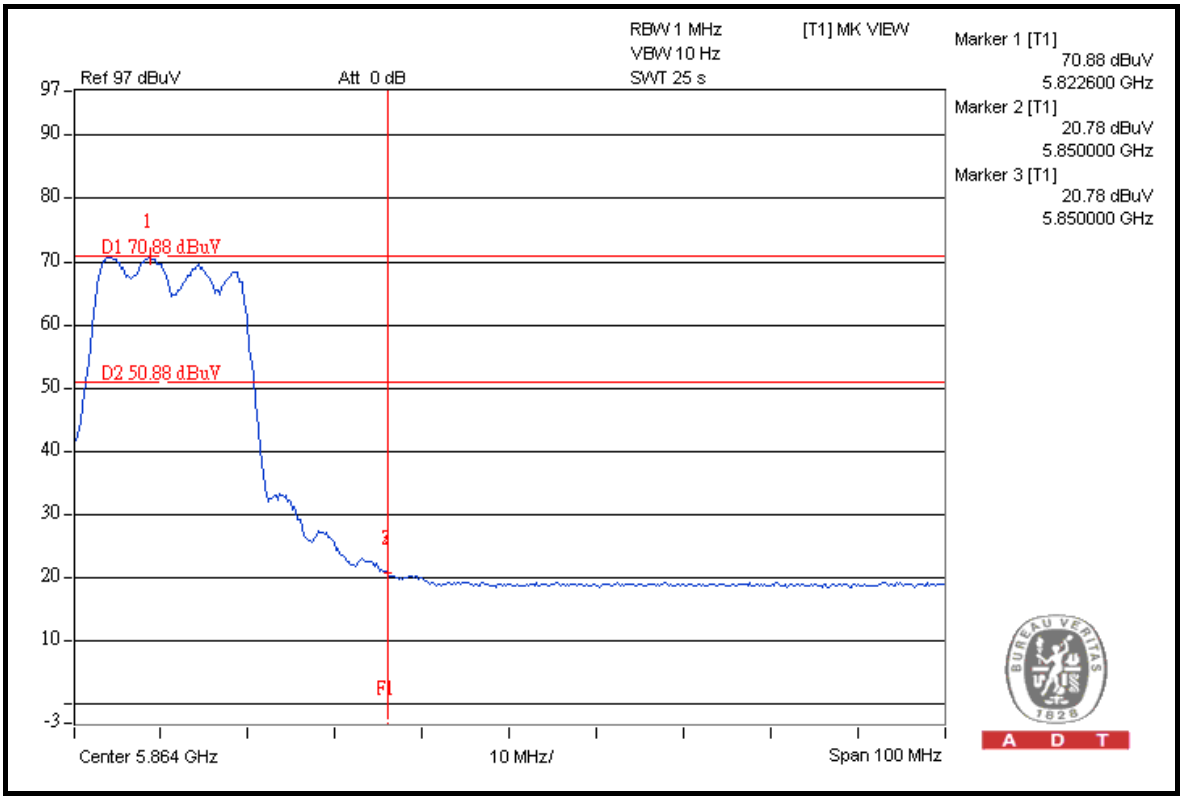
802.11a

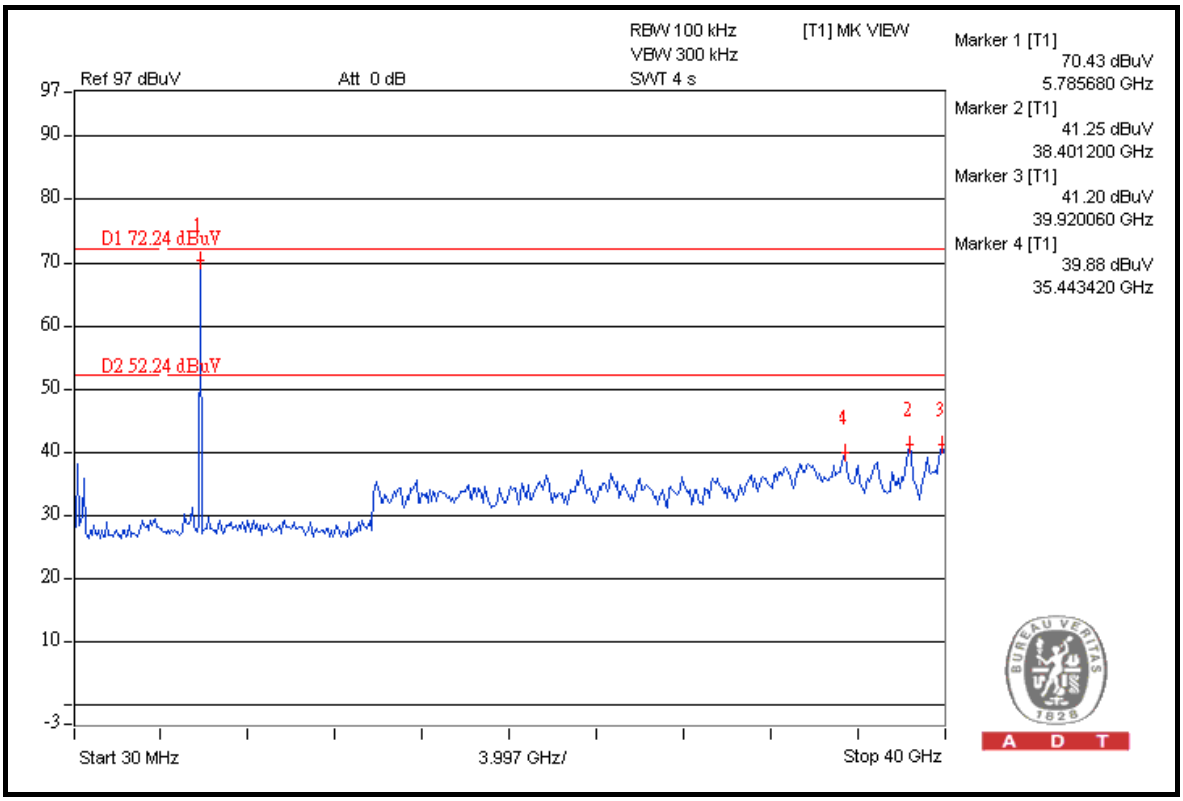

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
74.58 dBuV
5.742600 GHz
Marker 2 [T1]
29.48 dBuV
5.725000 GHz
Marker 3 [T1]
30.57 dBuV
5.724000 GHz
D1 74.58 dBuV
D2 54.58 dBuV
97
90
80
70
60
50
40
30
20
10
-3
Center 5.707 GHz
10 MHz/
Span 100 MHz


RBW 1 MHz
VBW 10 Hz
SWT 25 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
72.93 dBuV
5.742400 GHz
Marker 2 [T1]
26.79 dBuV
5.725000 GHz
Marker 3 [T1]
26.86 dBuV
5.724800 GHz
D1 72.93 dBuV
D2 52.93 dBuV
97
90
80
70
60
50
40
30
20
10
-3
Center 5.707 GHz
10 MHz/
Span 100 MHz

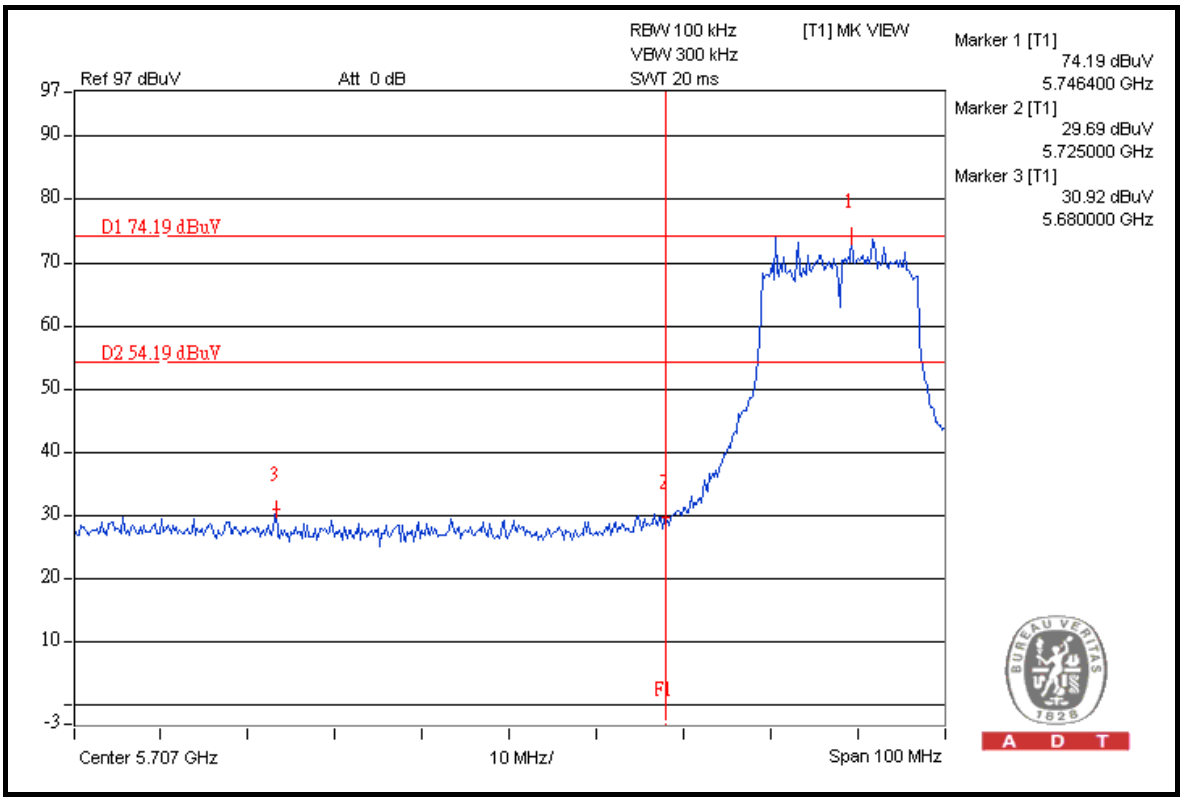

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 74.58 dBuV
D2 54.58 dBuV
Marker 1 [T1]
74.53 dBuV
5.705740 GHz
Marker 2 [T1]
42.14 dBuV
429.700000 MHz
Marker 3 [T1]
41.11 dBuV
39.920060 GHz
Marker 4 [T1]
40.30 dBuV
38.481140 GHz
Start 30 MHz
3.997 GHz/
Stop 40 GHz

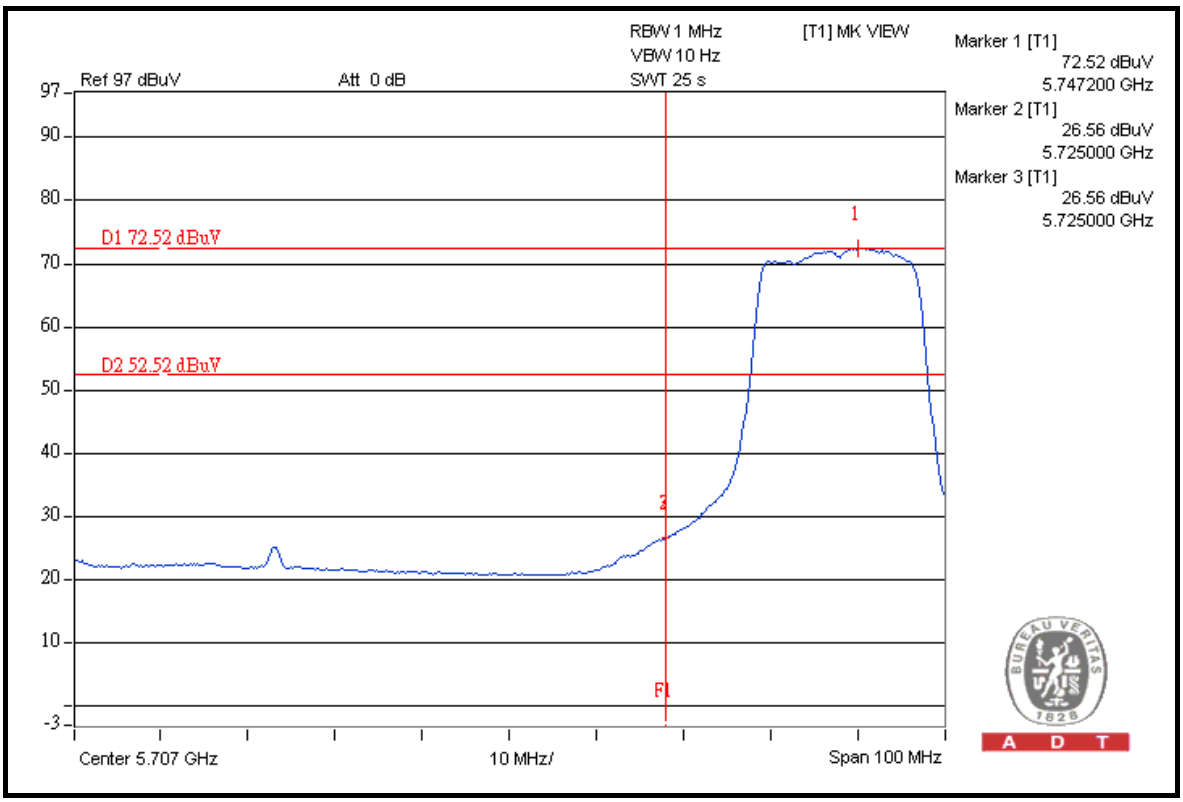

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 72.24 dBuV
D2 52.24 dBuV
Marker 1 [T1]
72.24 dBuV
5.823800 GHz
Marker 2 [T1]
27.49 dBuV
5.850000 GHz
Marker 3 [T1]
29.35 dBuV
5.853600 GHz
Center 5.864 GHz
10 MHz/
Span 100 MHz

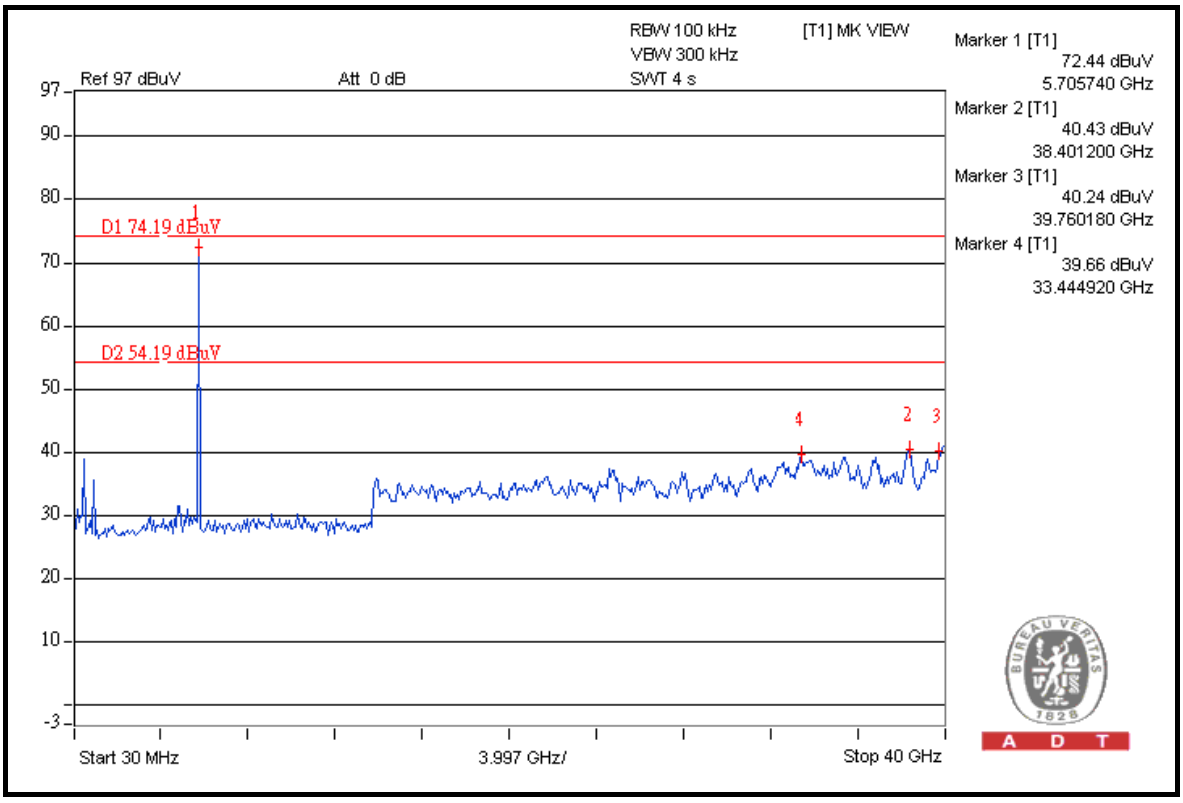

RBW 1 MHz
VBW 10 Hz
SWT 25 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
70.88 dBuV
5.822600 GHz
Marker 2 [T1]
20.78 dBuV
5.850000 GHz
Marker 3 [T1]
20.78 dBuV
5.850000 GHz
D1 70.88 dBuV
D2 50.88 dBuV
Center 5.864 GHz
10 MHz/
Span 100 MHz

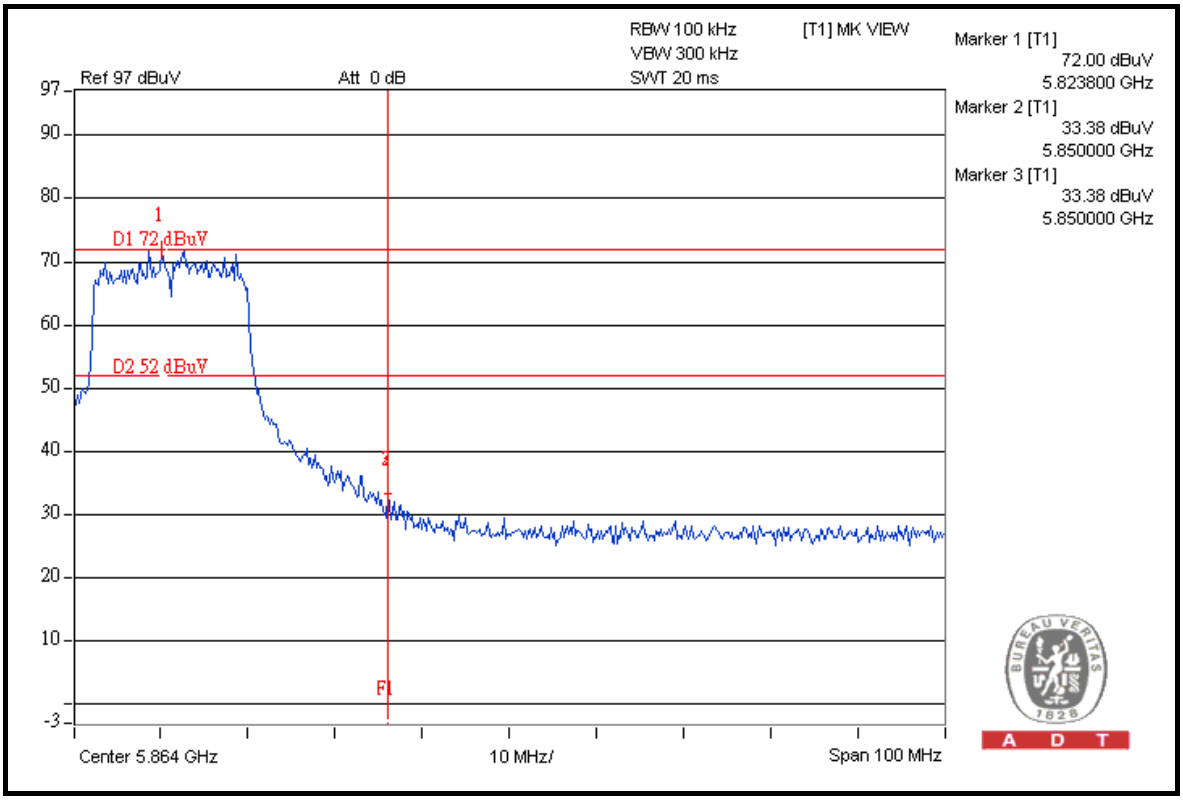

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
70.43 dBuV
5.785680 GHz
Marker 2 [T1]
41.25 dBuV
38.401200 GHz
Marker 3 [T1]
41.20 dBuV
39.920060 GHz
Marker 4 [T1]
39.88 dBuV
35.443420 GHz
D1 72.24 dBuV
D2 52.24 dBuV
Start 30 MHz
3.997 GHz/
Stop 40 GHz

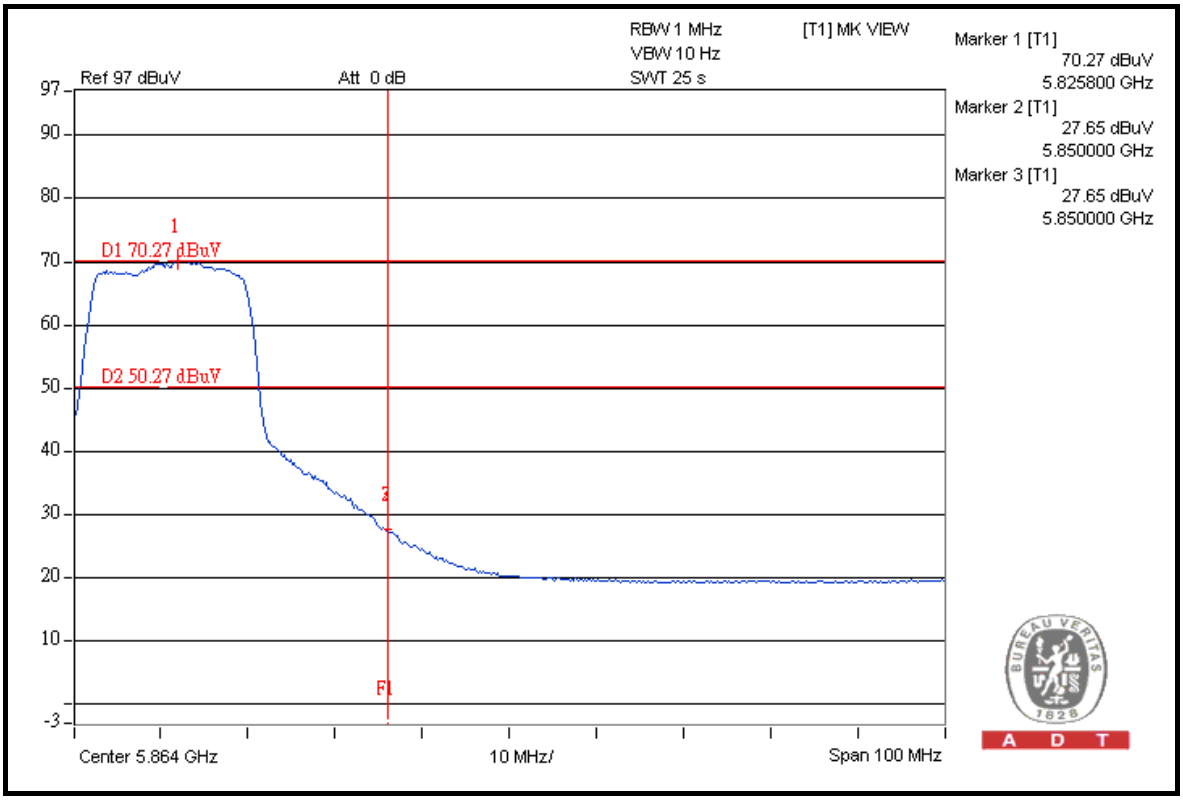
802.11n (20MHz)

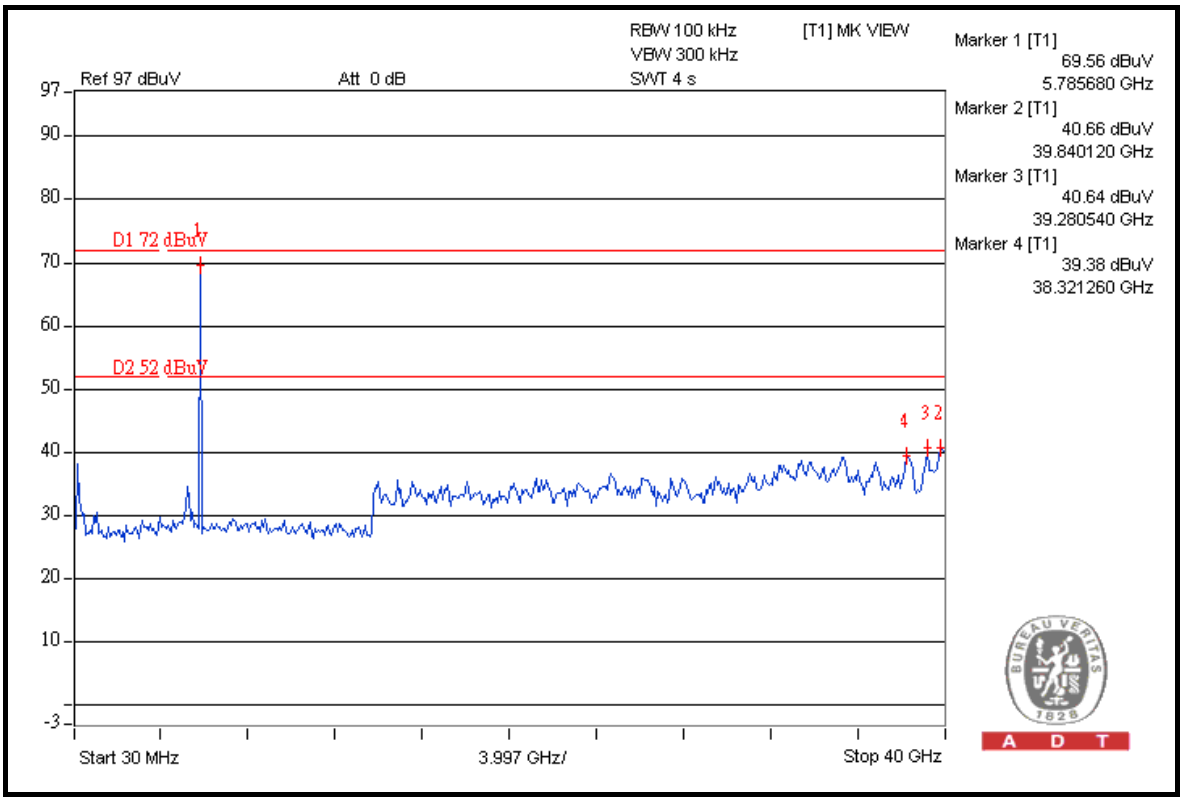




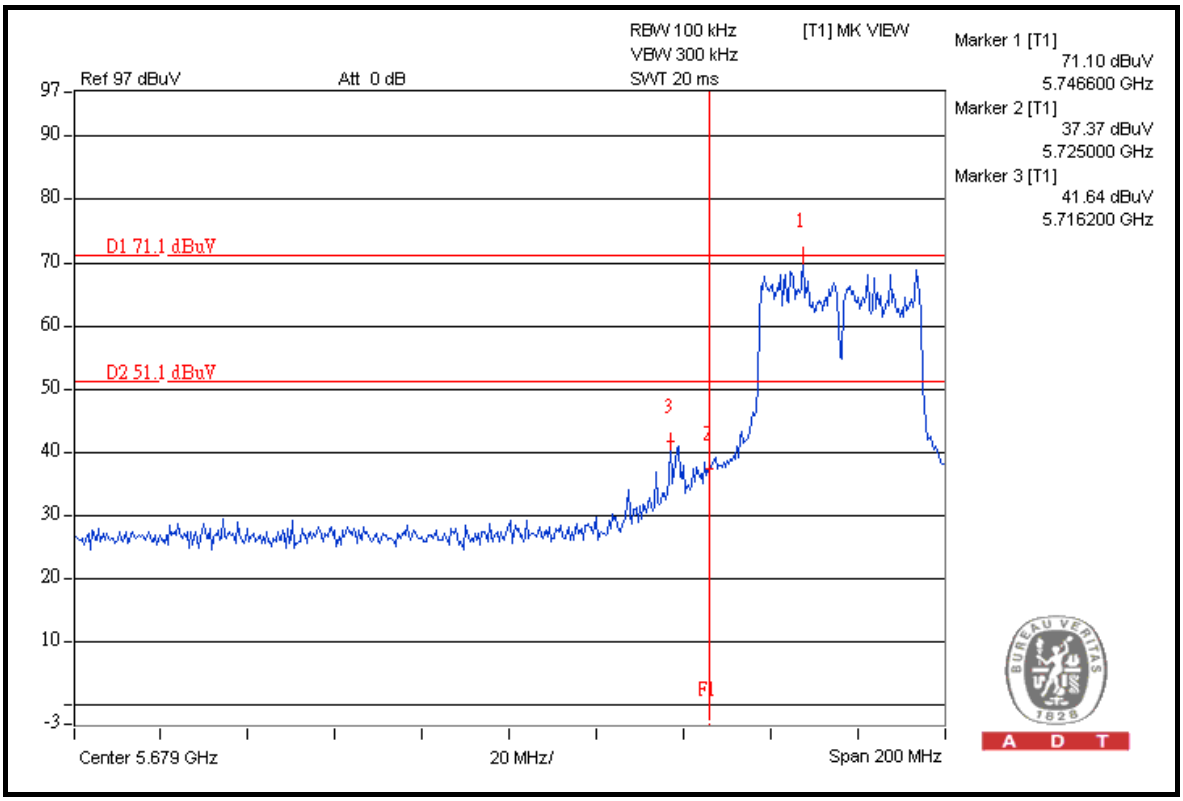

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 74.19 dBuV
D2 54.19 dBuV
Marker 1 [T1]
72.44 dBuV
5.705740 GHz
Marker 2 [T1]
40.43 dBuV
38.401200 GHz
Marker 3 [T1]
40.24 dBuV
39.760180 GHz
Marker 4 [T1]
39.66 dBuV
33.444920 GHz
Start 30 MHz
3.997 GHz/
Stop 40 GHz

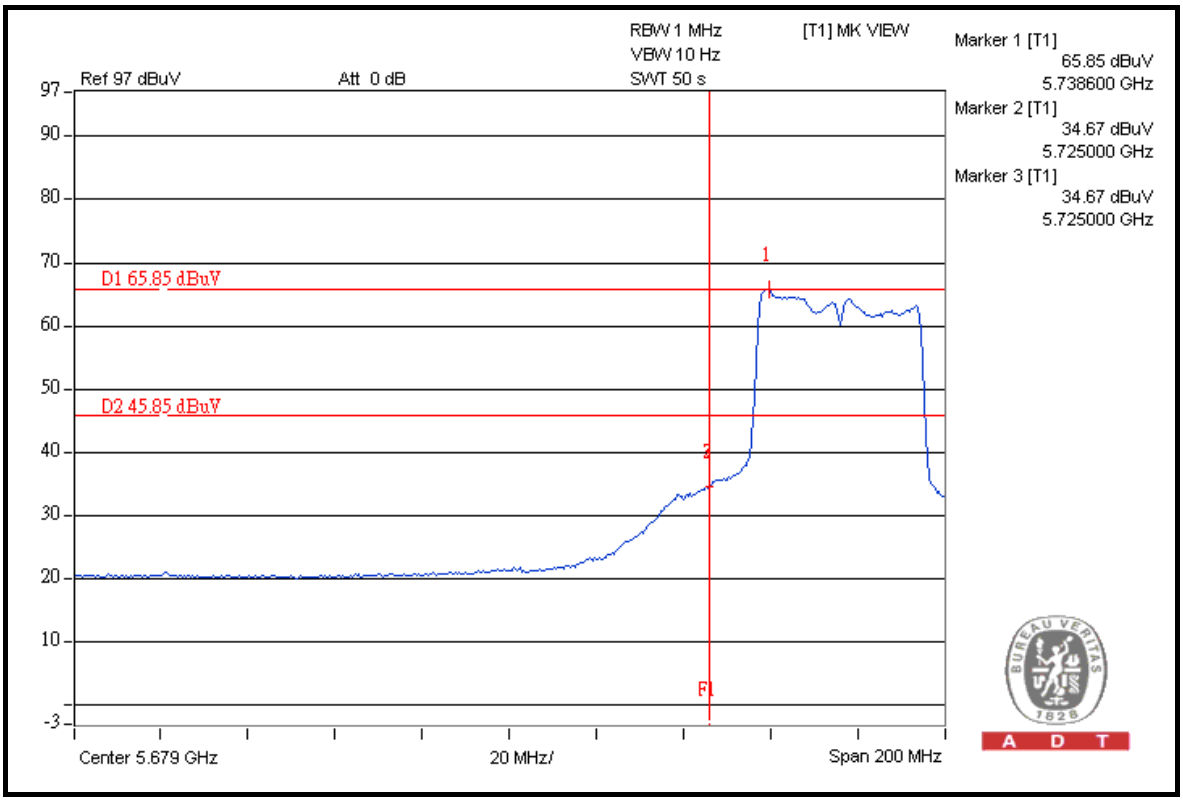

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 72 dBuV
D2 52 dBuV
Marker 1 [T1]
72.00 dBuV
5.823800 GHz
Marker 2 [T1]
33.38 dBuV
5.850000 GHz
Marker 3 [T1]
33.38 dBuV
5.850000 GHz
Center 5.864 GHz
10 MHz/
Span 100 MHz

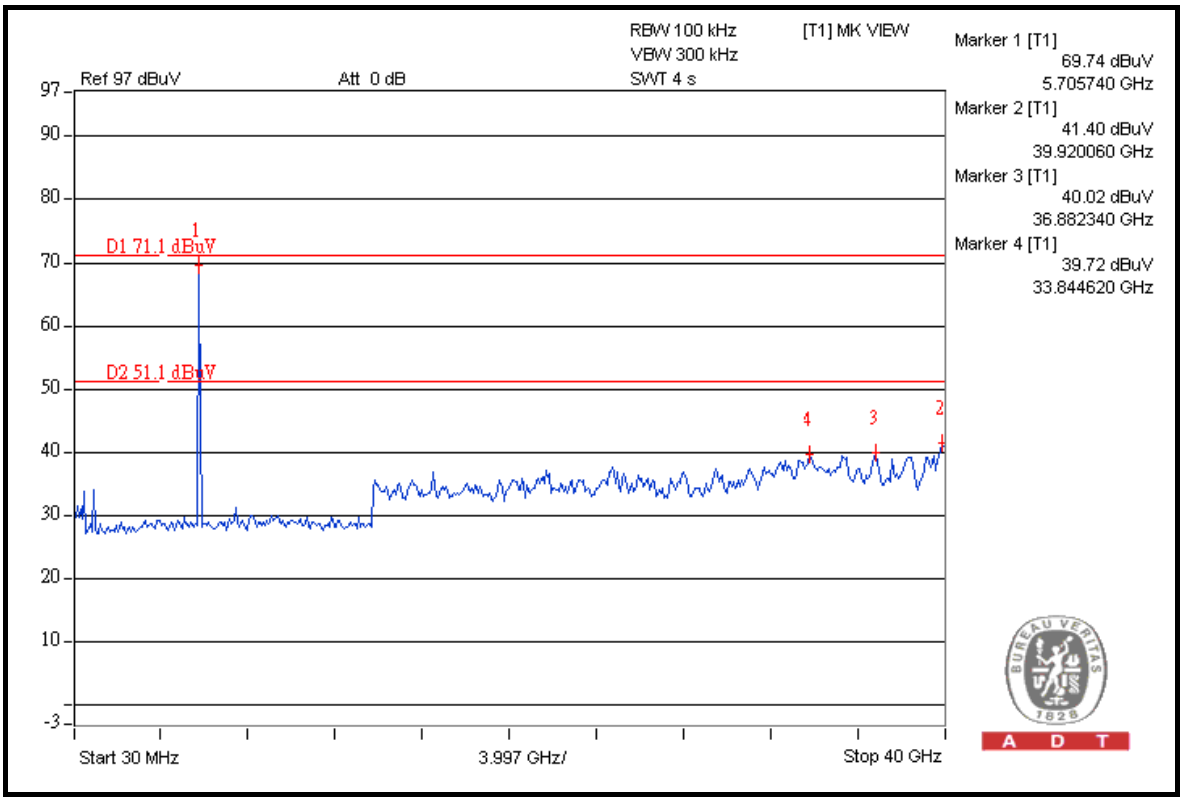

RBW 1 MHz
VBW 10 Hz
SWT 25 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
70.27 dBuV
5.825800 GHz
Marker 2 [T1]
27.65 dBuV
5.850000 GHz
Marker 3 [T1]
27.65 dBuV
5.850000 GHz
D1 70.27 dBuV
D2 50.27 dBuV
Center 5.864 GHz
10 MHz/
Span 100 MHz

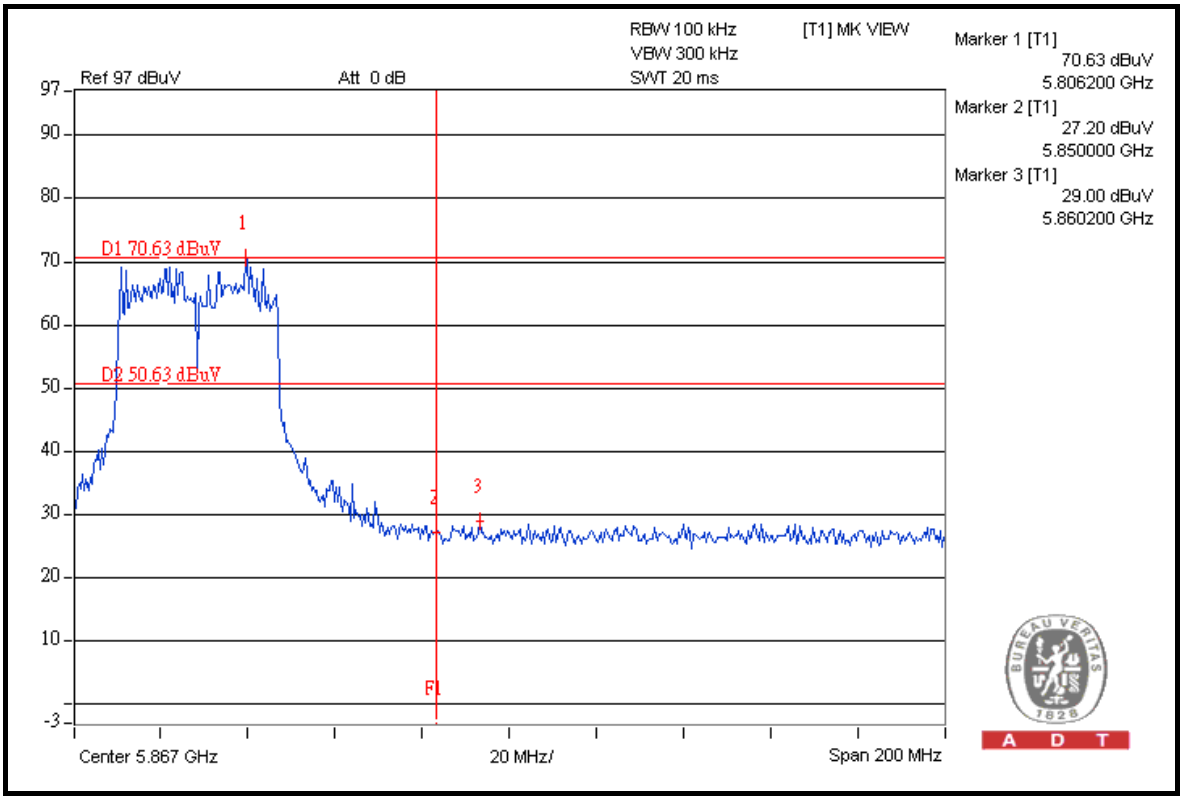

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
69.56 dBuV
5.785680 GHz
Marker 2 [T1]
40.66 dBuV
39.840120 GHz
Marker 3 [T1]
40.64 dBuV
39.280540 GHz
Marker 4 [T1]
39.38 dBuV
38.321260 GHz
D1 72 dBuV
D2 52 dBuV
Start 30 MHz
3.997 GHz/
Stop 40 GHz

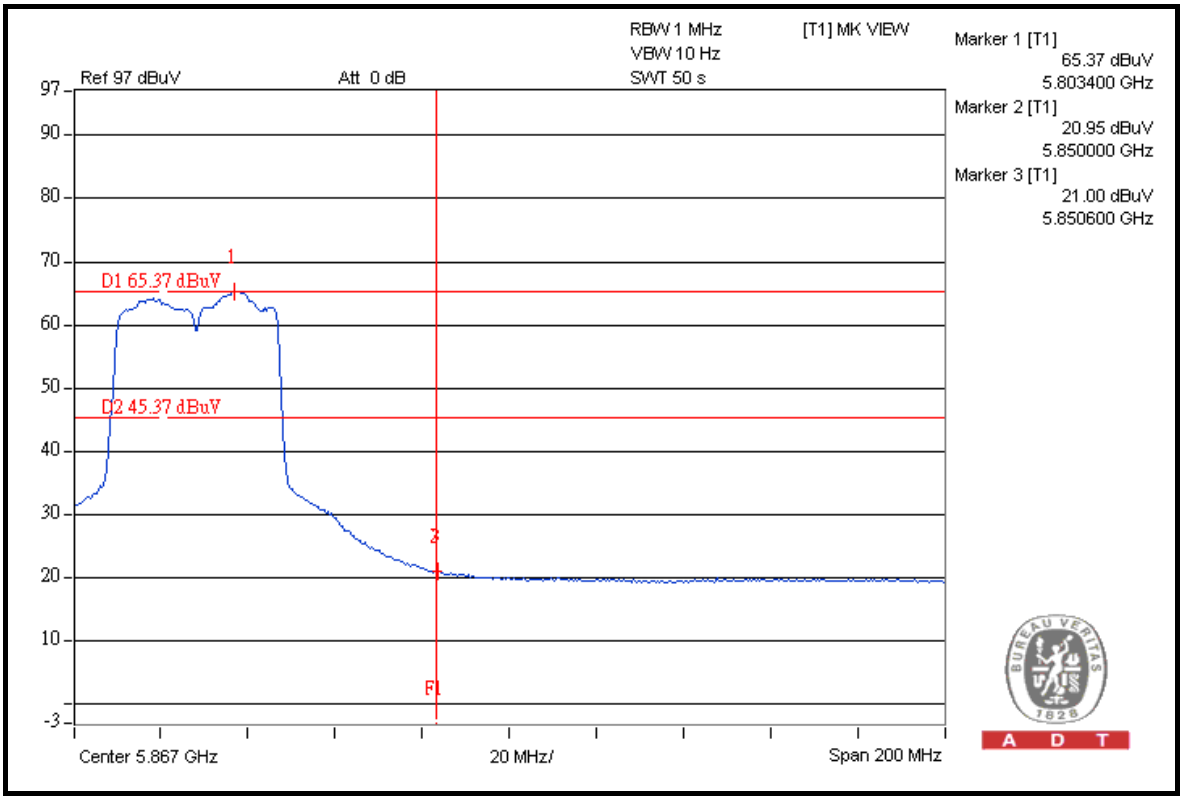
802.11n (40MHz)

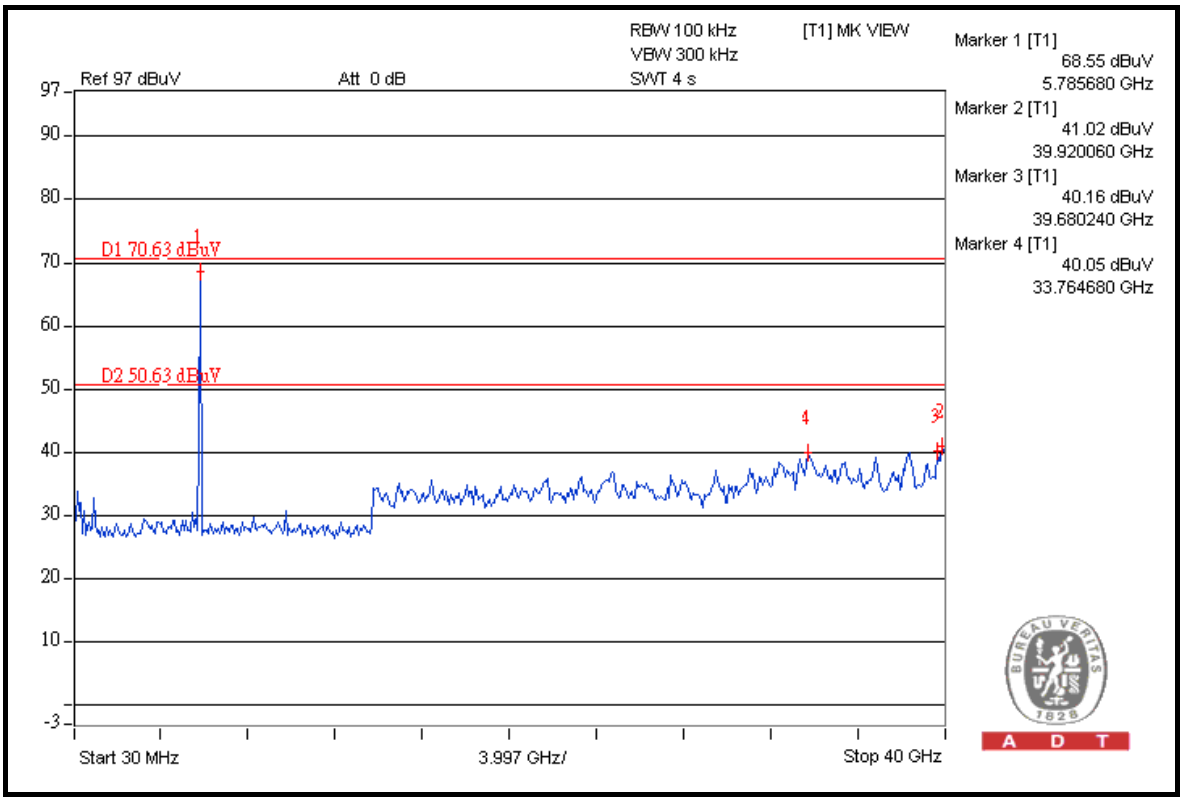





RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
69.74 dBuV
5.705740 GHz
Marker 2 [T1]
41.40 dBuV
39.920060 GHz
Marker 3 [T1]
40.02 dBuV
36.882340 GHz
Marker 4 [T1]
39.72 dBuV
33.844620 GHz
D1 71.1 dBuV
D2 51.1 dBuV
97
90
80
70
60
50
40
30
20
10
-3
Start 30 MHz
3.997 GHz/
Stop 40 GHz


RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
70.63 dBuV
5.806200 GHz
Marker 2 [T1]
27.20 dBuV
5.850000 GHz
Marker 3 [T1]
29.00 dBuV
5.860200 GHz
D1 70.63 dBuV
D2 50.63 dBuV
97
90
80
70
60
50
40
30
20
10
-3
Center 5.867 GHz
20 MHz/
Span 200 MHz

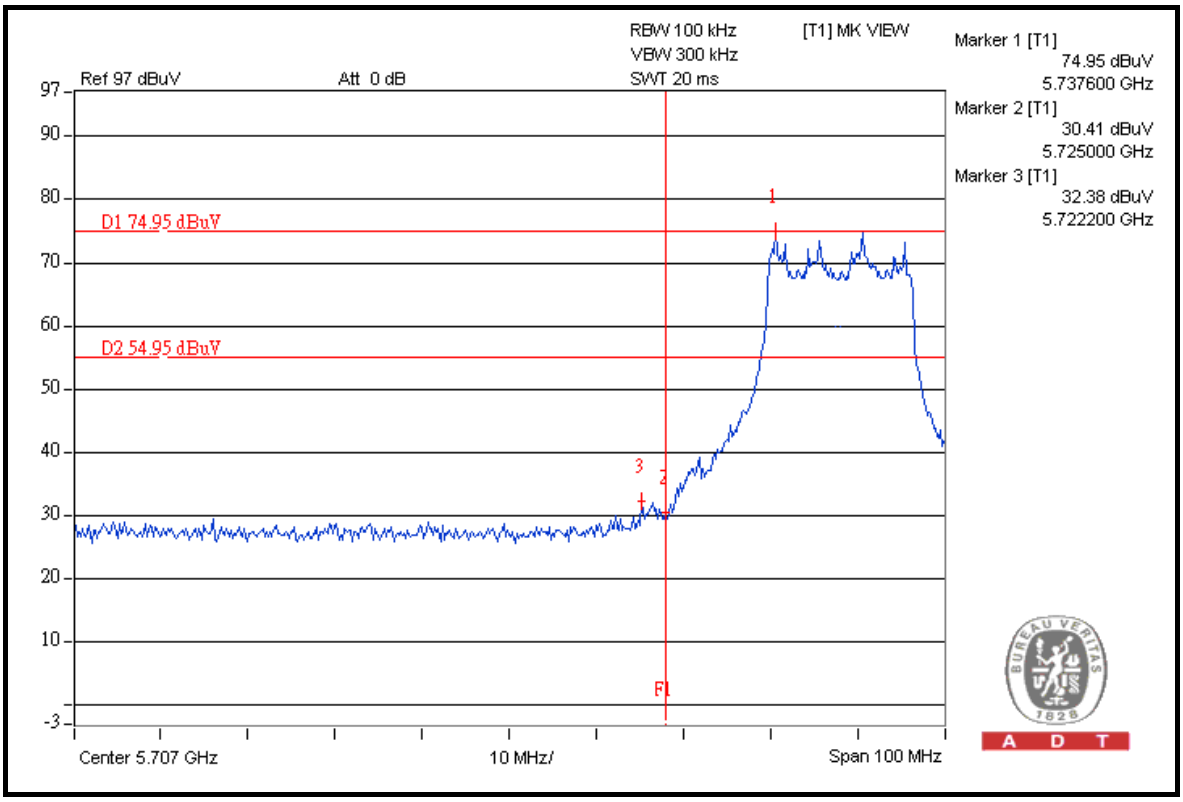

RBW 1 MHz
VBW 10 Hz
SWT 50 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
65.37 dBuV
5.803400 GHz
Marker 2 [T1]
20.95 dBuV
5.850000 GHz
Marker 3 [T1]
21.00 dBuV
5.850600 GHz
D1 65.37 dBuV
D2 45.37 dBuV
Center 5.867 GHz
20 MHz/
Span 200 MHz

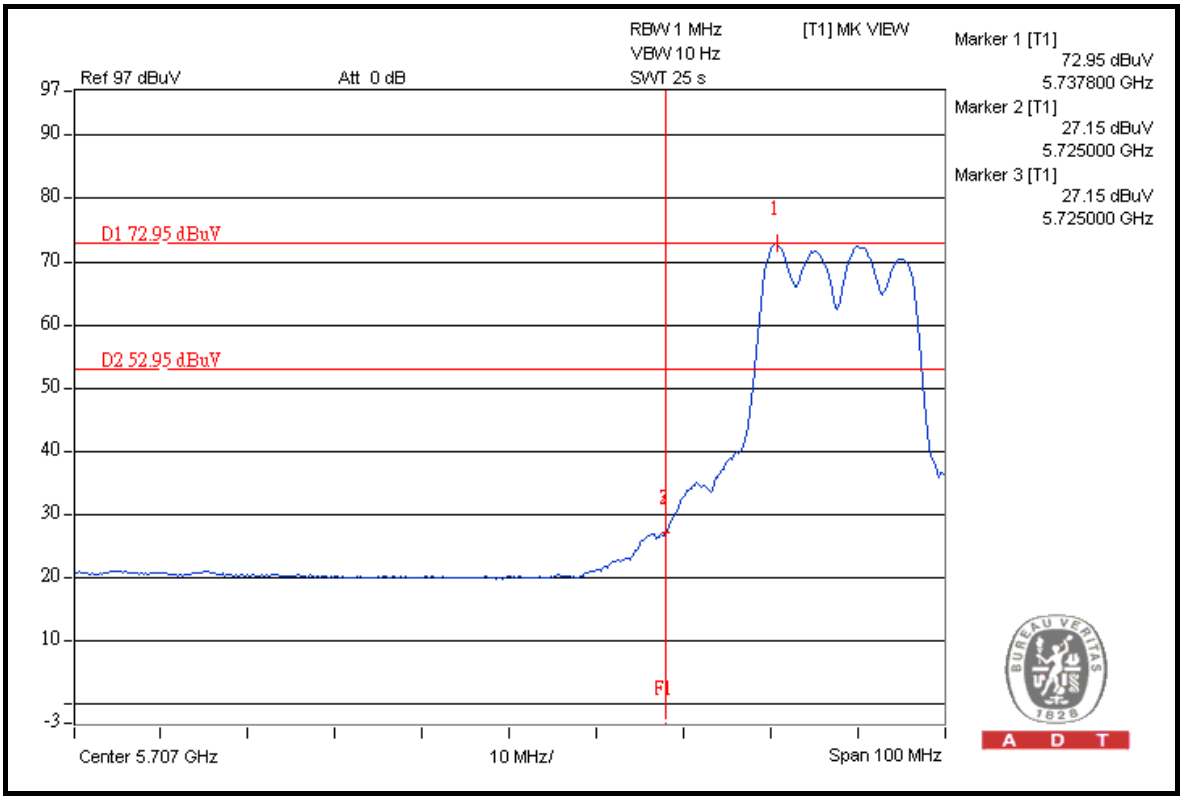

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
68.55 dBuV
5.785680 GHz
Marker 2 [T1]
41.02 dBuV
39.920060 GHz
Marker 3 [T1]
40.16 dBuV
39.680240 GHz
Marker 4 [T1]
40.05 dBuV
33.764680 GHz
D1 70.63 dBuV
D2 50.63 dBuV
Start 30 MHz
3.997 GHz/
Stop 40 GHz

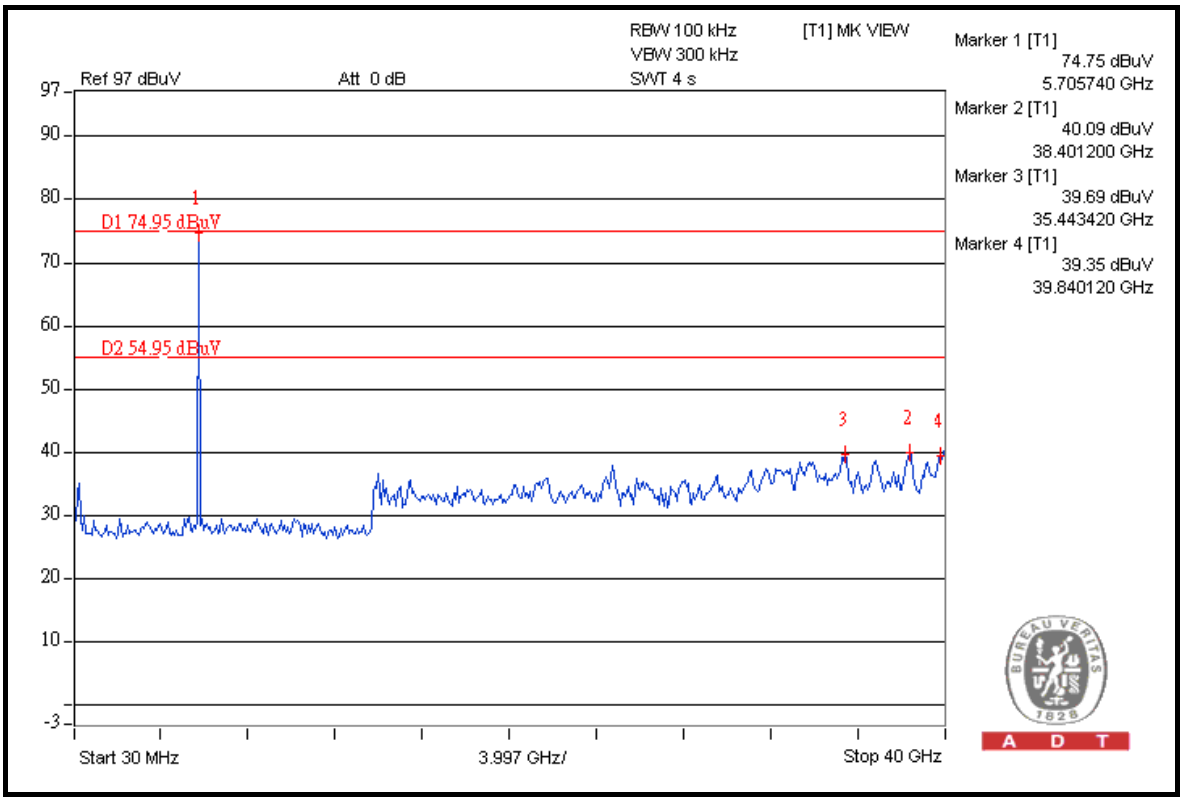
5.6.15 TEST RESULTS (TEST MODE E 2)

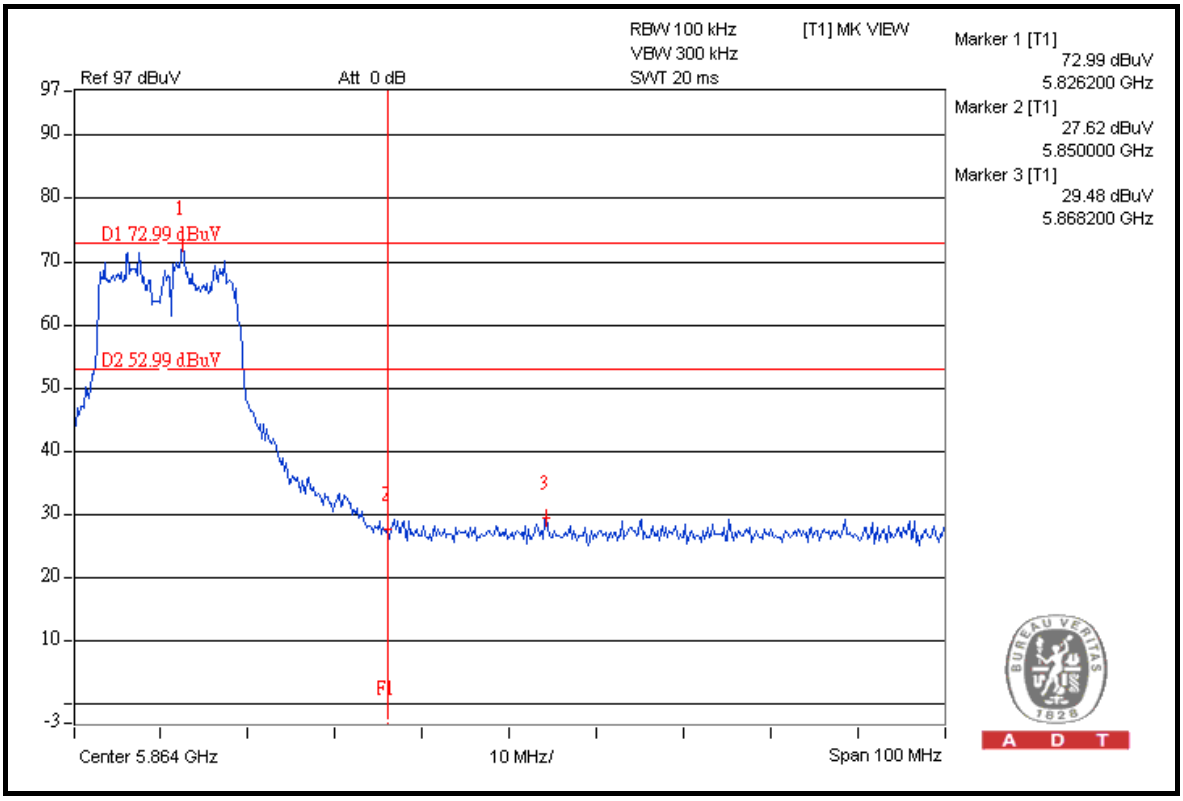
The spectrum plots are attached on the following pages. D1 line indicates the highest level, D2 line indicates the 20dB offset below D1. It shows compliance with the requirement in part 15.247(d).

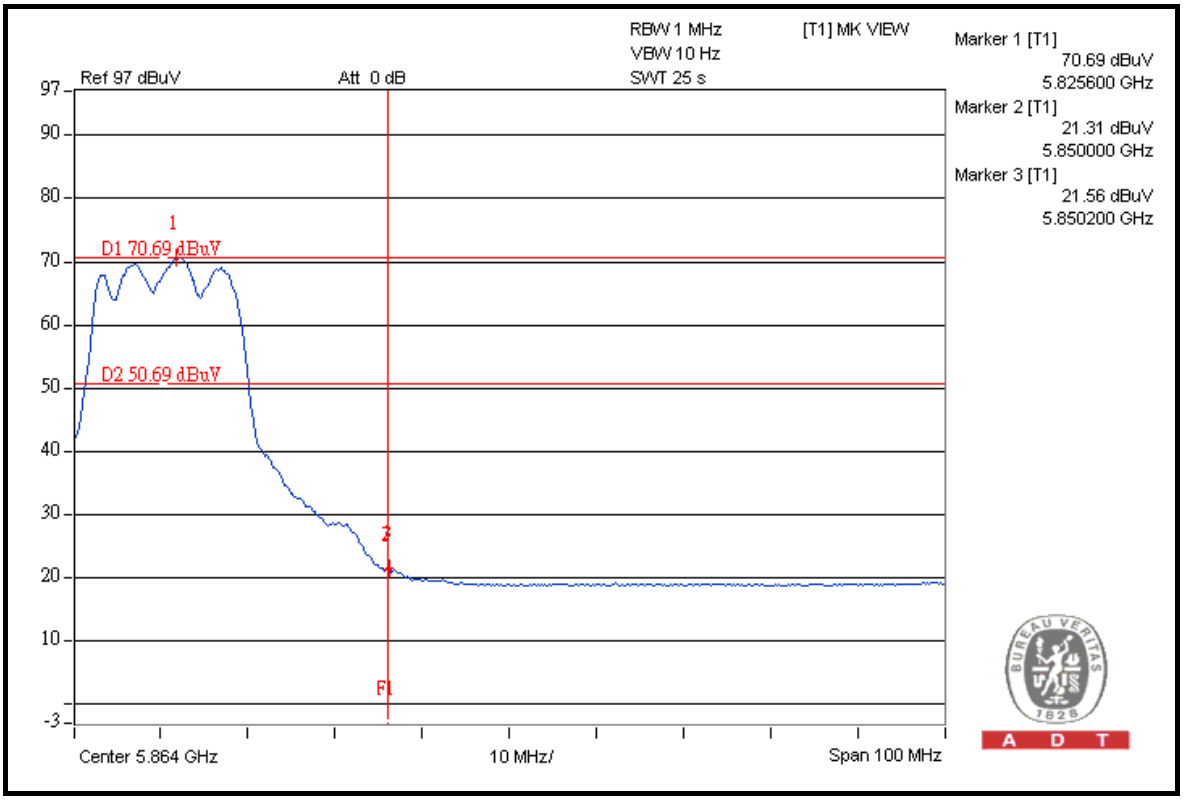
802.11a

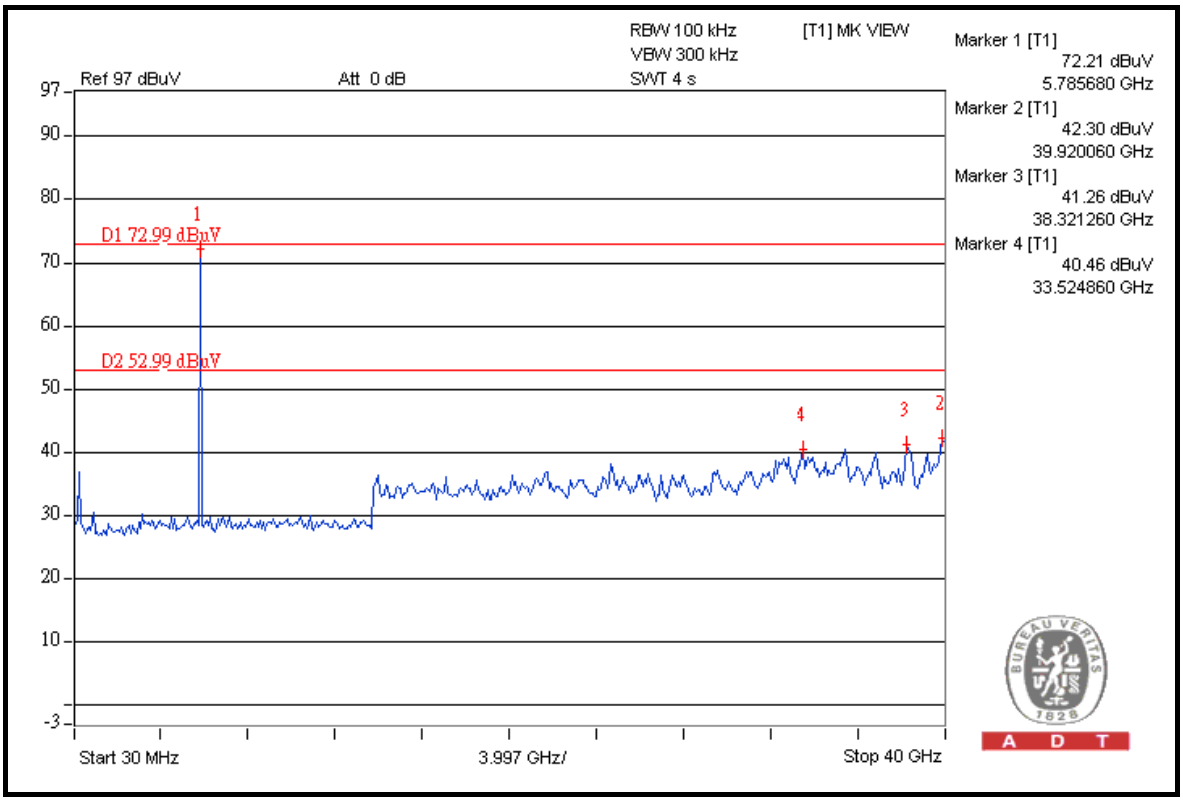

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
74.95 dBuV
5.737600 GHz
Marker 2 [T1]
30.41 dBuV
5.725000 GHz
Marker 3 [T1]
32.38 dBuV
5.722200 GHz
D1 74.95 dBuV
D2 54.95 dBuV
97
90
80
70
60
50
40
30
20
10
-3
Center 5.707 GHz
10 MHz/
Span 100 MHz


RBW 1 MHz
VBW 10 Hz
SWT 25 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
72.95 dBuV
5.737800 GHz
Marker 2 [T1]
27.15 dBuV
5.725000 GHz
Marker 3 [T1]
27.15 dBuV
5.725000 GHz
D1 72.95 dBuV
D2 52.95 dBuV
97
90
80
70
60
50
40
30
20
10
-3
Center 5.707 GHz
10 MHz/
Span 100 MHz

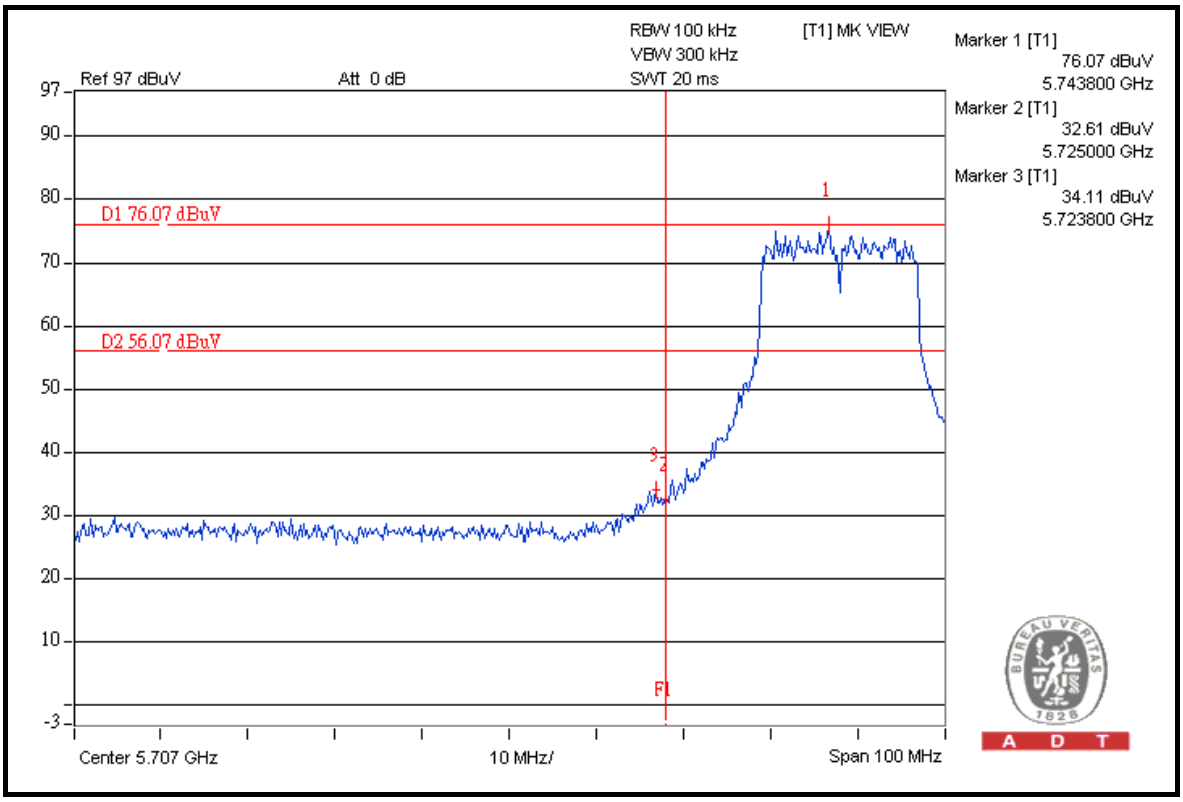

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 74.95 dBuV
D2 54.95 dBuV
Marker 1 [T1]
74.75 dBuV
5.705740 GHz
Marker 2 [T1]
40.09 dBuV
38.401200 GHz
Marker 3 [T1]
39.69 dBuV
35.443420 GHz
Marker 4 [T1]
39.35 dBuV
39.840120 GHz
Start 30 MHz
3.997 GHz/
Stop 40 GHz

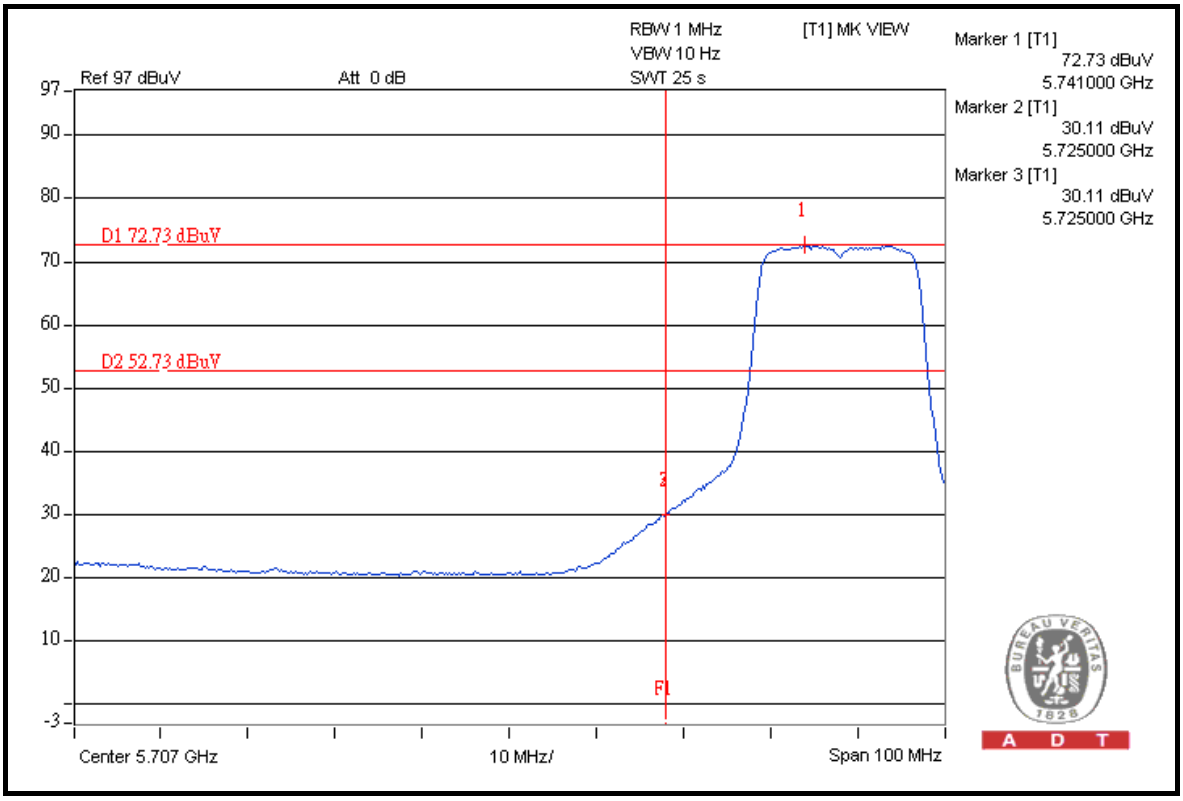

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 72.99 dBuV
D2 52.99 dBuV
Marker 1 [T1]
72.99 dBuV
5.826200 GHz
Marker 2 [T1]
27.62 dBuV
5.850000 GHz
Marker 3 [T1]
29.48 dBuV
5.868200 GHz
Center 5.864 GHz
10 MHz/
Span 100 MHz

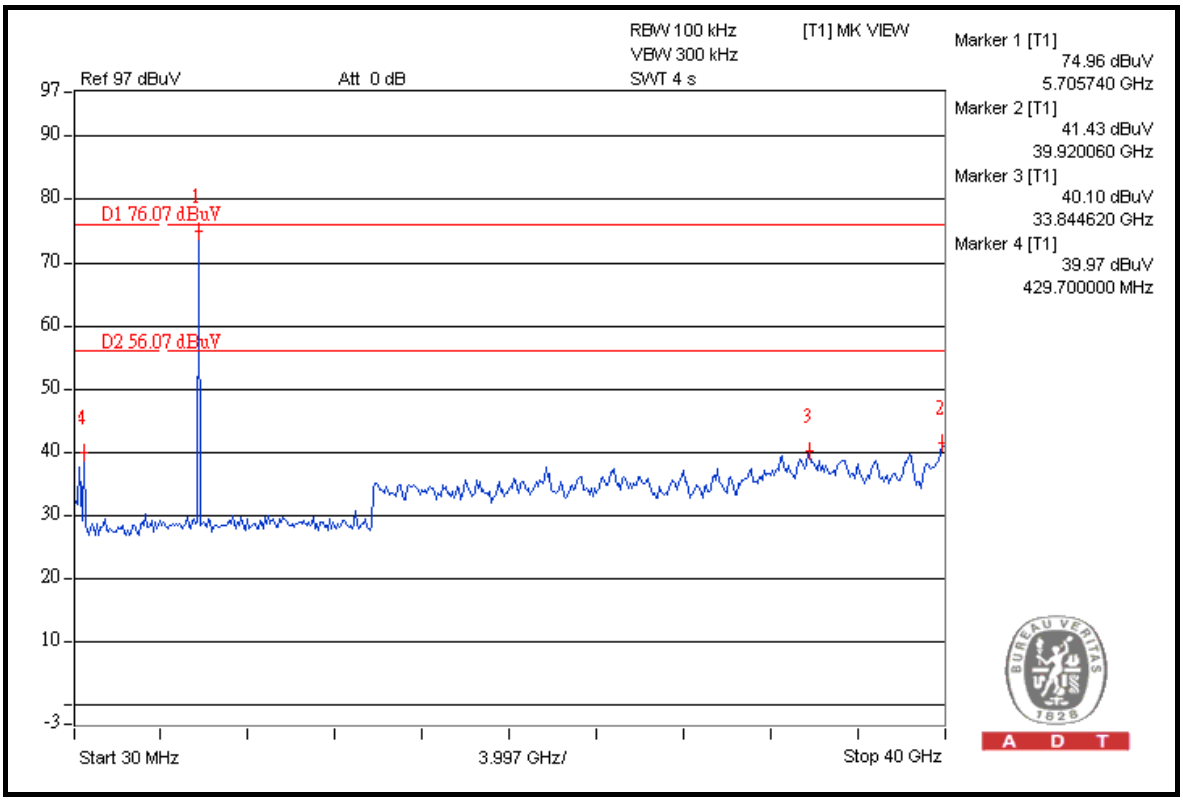

RBW 1 MHz
VBW 10 Hz
SWT 25 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
70.69 dBuV
5.825600 GHz
Marker 2 [T1]
21.31 dBuV
5.850000 GHz
Marker 3 [T1]
21.56 dBuV
5.850200 GHz
D1 70.69 dBuV
D2 50.69 dBuV
Center 5.864 GHz
10 MHz/
Span 100 MHz

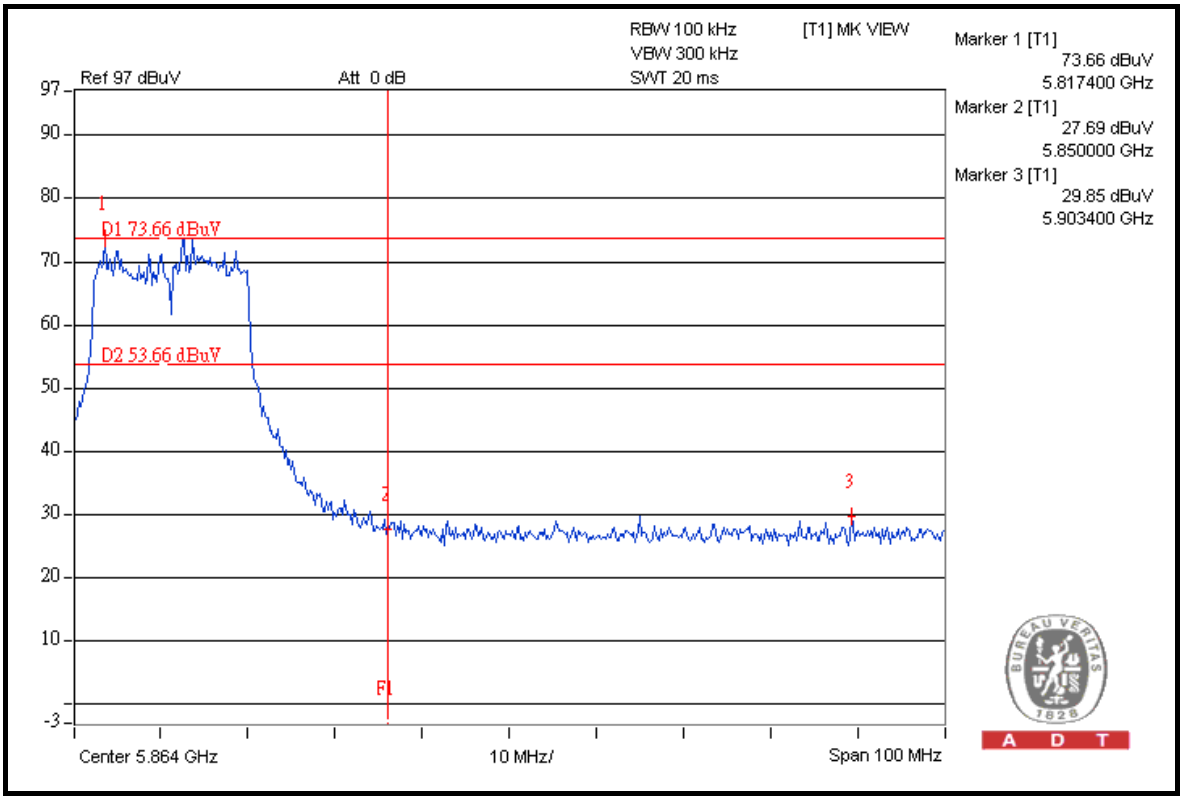

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
72.21 dBuV
5.785680 GHz
Marker 2 [T1]
42.30 dBuV
39.920060 GHz
Marker 3 [T1]
41.26 dBuV
38.321260 GHz
Marker 4 [T1]
40.46 dBuV
33.524860 GHz
D1 72.99 dBuV
D2 52.99 dBuV
Start 30 MHz
3.997 GHz/
Stop 40 GHz

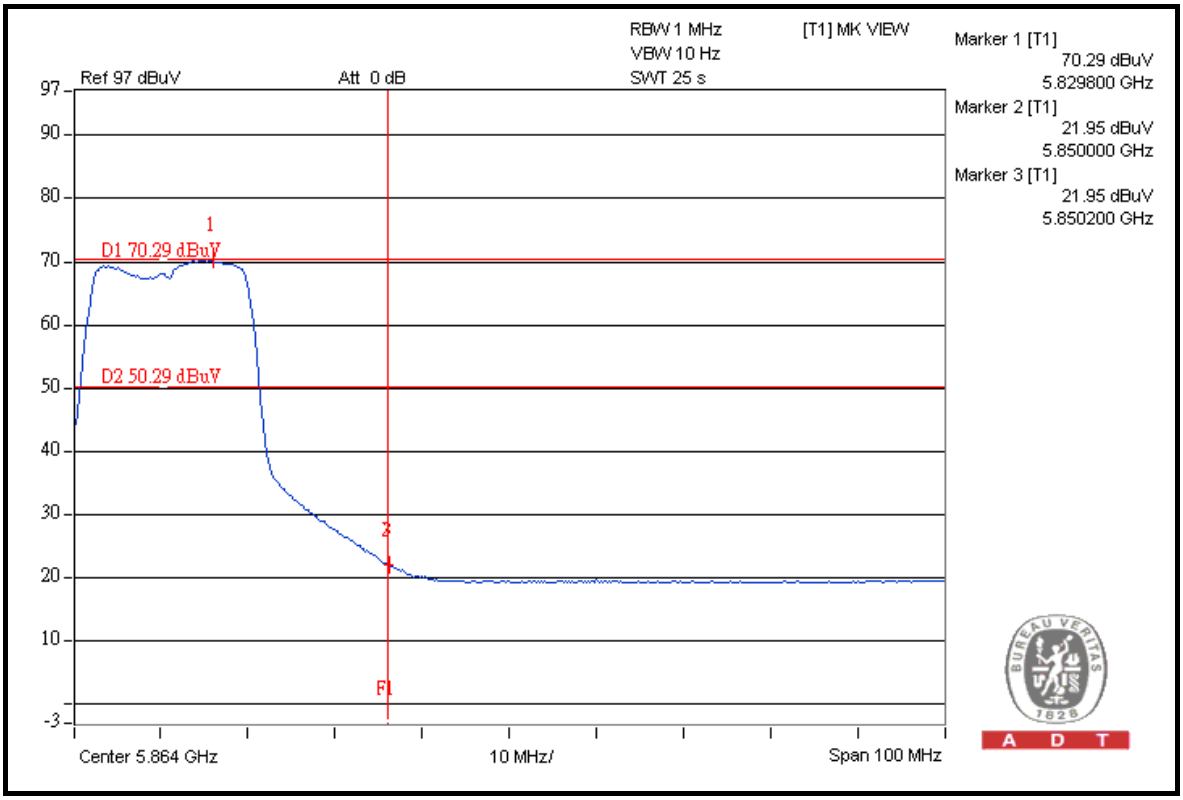
802.11n (20MHz)

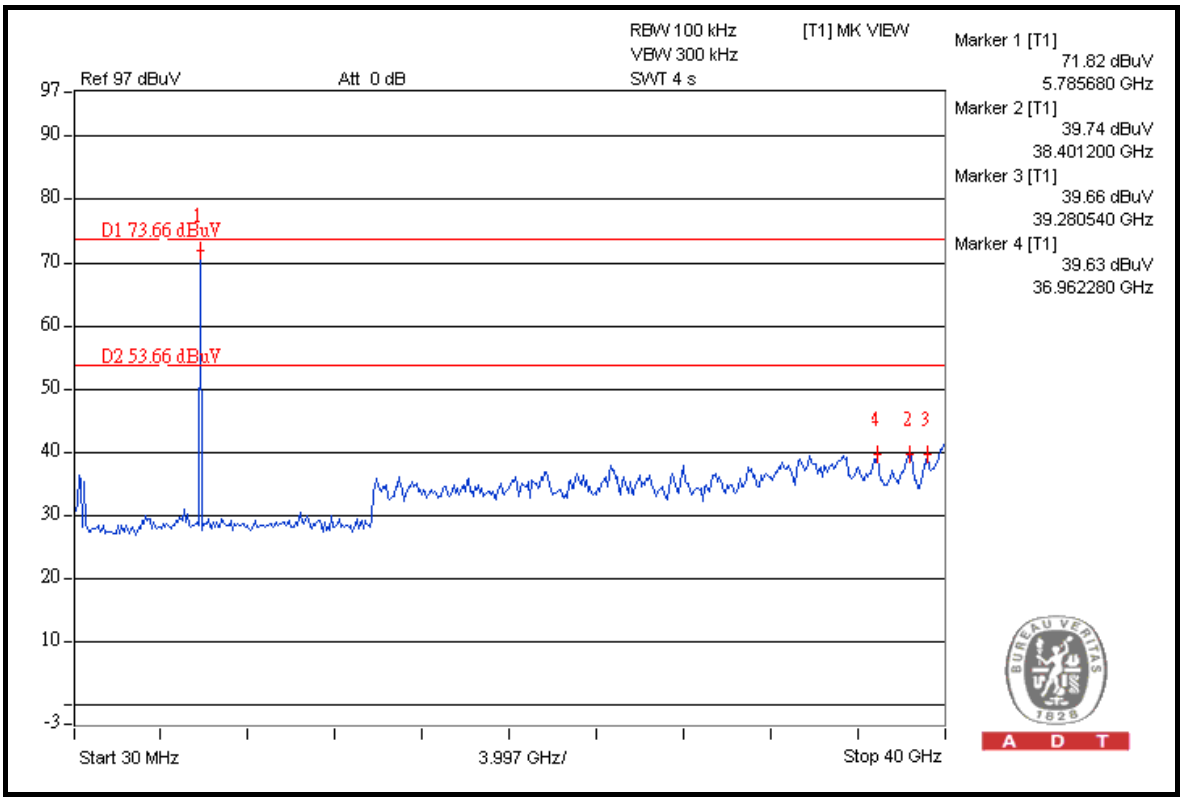




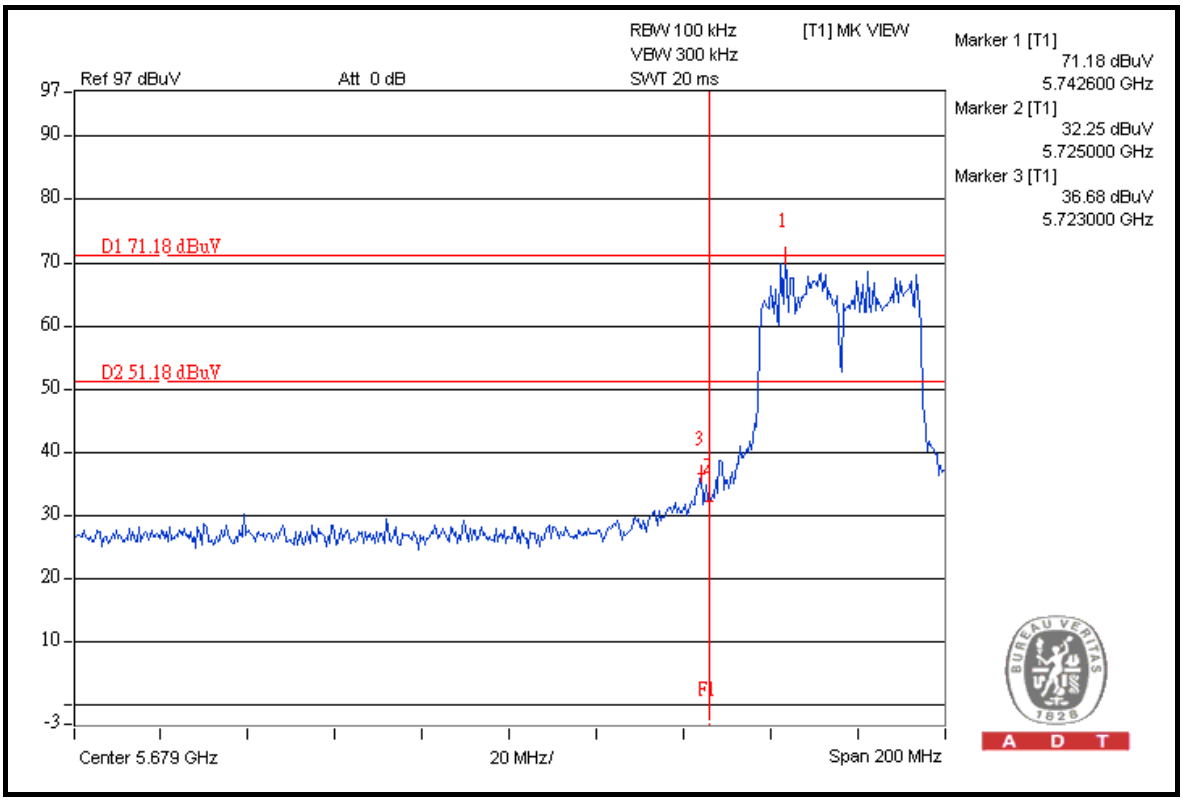

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 76.07 dBuV
D2 56.07 dBuV
Marker 1 [T1]
74.96 dBuV
5.705740 GHz
Marker 2 [T1]
41.43 dBuV
39.920060 GHz
Marker 3 [T1]
40.10 dBuV
33.844620 GHz
Marker 4 [T1]
39.97 dBuV
429.700000 MHz
Start 30 MHz
3.997 GHz/
Stop 40 GHz

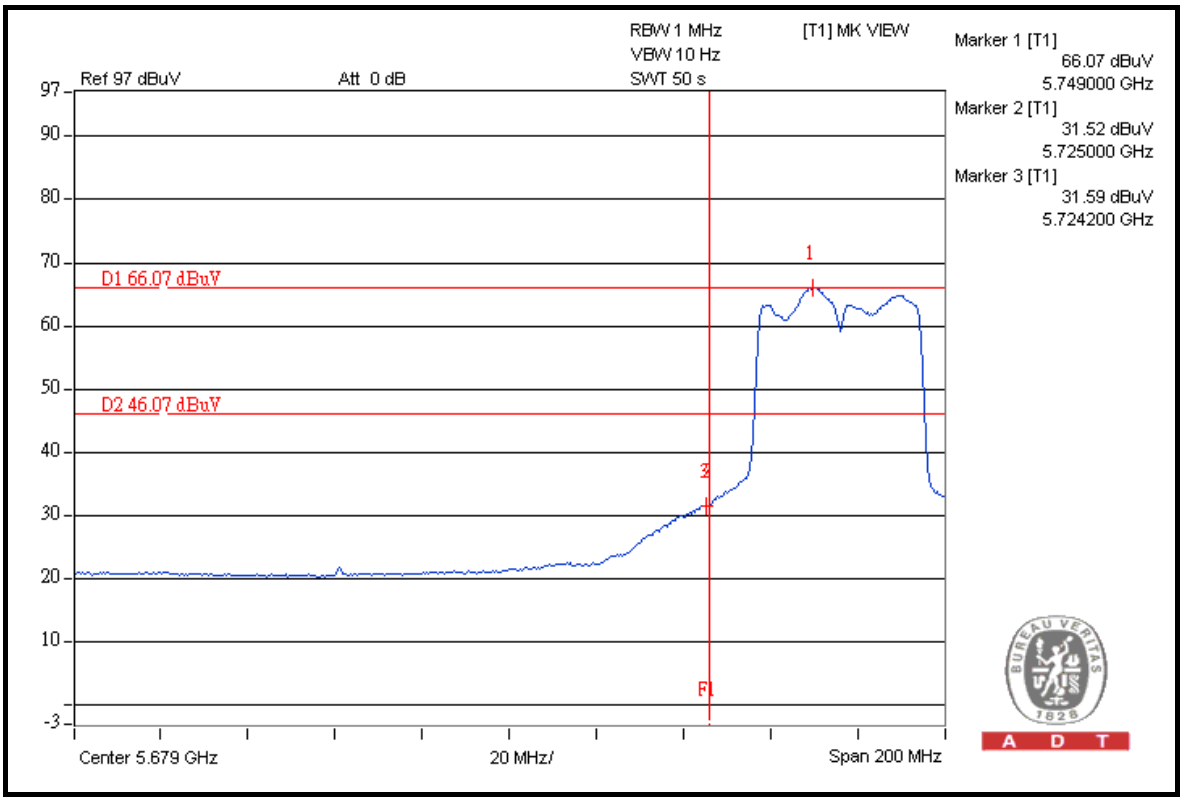

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 73.66 dBuV
D2 53.66 dBuV
Marker 1 [T1]
73.66 dBuV
5.817400 GHz
Marker 2 [T1]
27.69 dBuV
5.850000 GHz
Marker 3 [T1]
29.85 dBuV
5.903400 GHz
Center 5.864 GHz
10 MHz/
Span 100 MHz

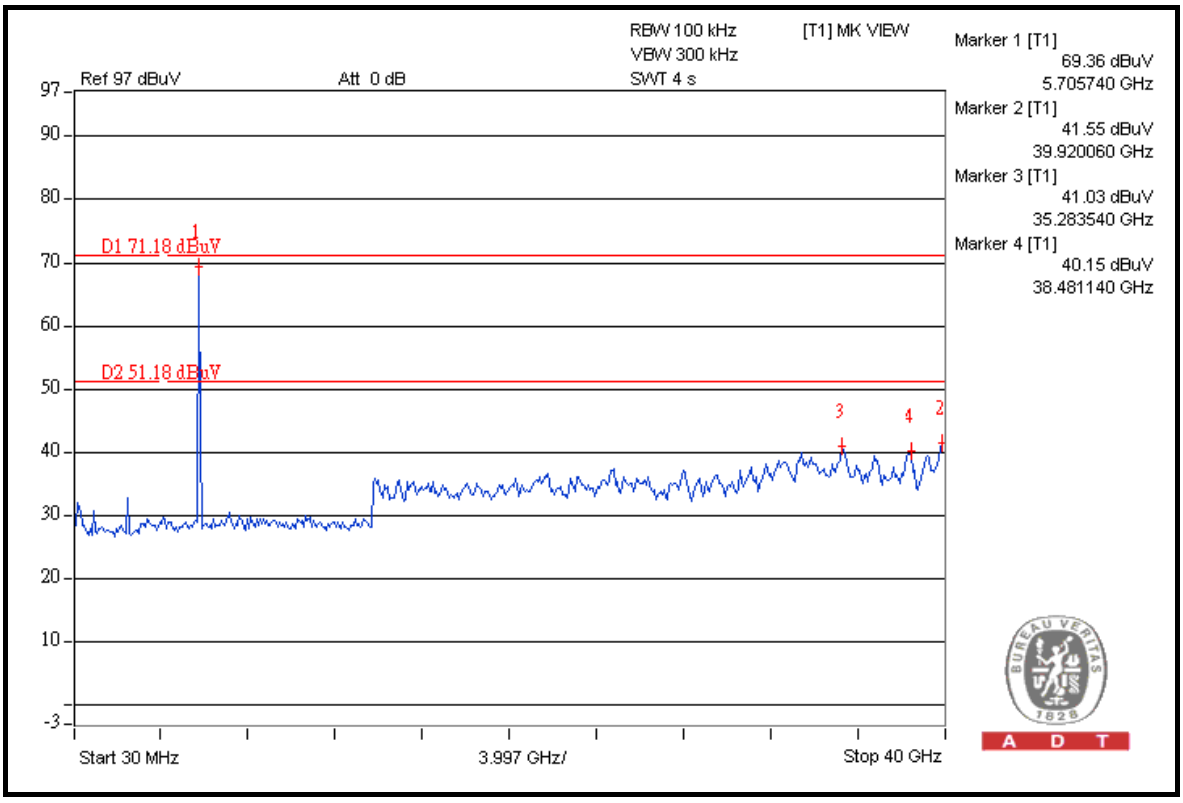

RBW 1 MHz
VBW 10 Hz
SWT 25 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
70.29 dBuV
5.829800 GHz
Marker 2 [T1]
21.95 dBuV
5.850000 GHz
Marker 3 [T1]
21.95 dBuV
5.850200 GHz
D1 70.29 dBuV
D2 50.29 dBuV
Center 5.864 GHz
10 MHz/
Span 100 MHz

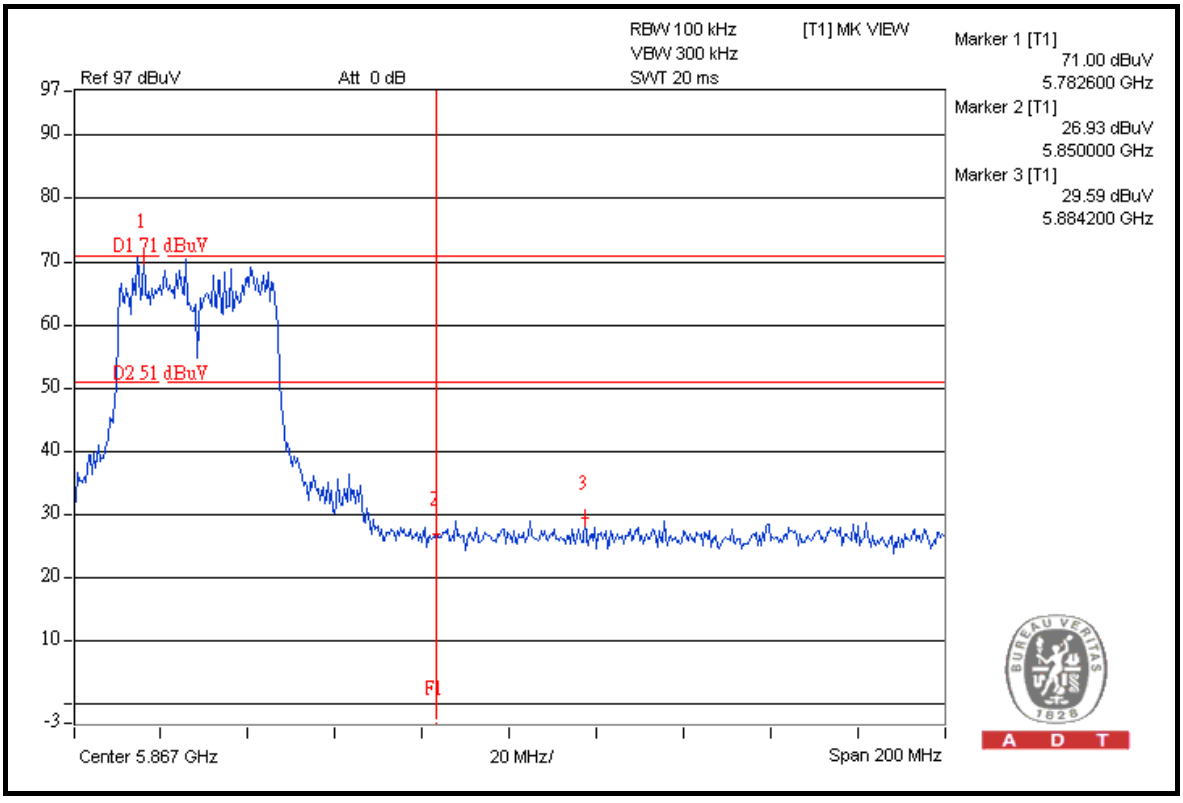

RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
71.82 dBuV
5.785680 GHz
Marker 2 [T1]
39.74 dBuV
38.401200 GHz
Marker 3 [T1]
39.66 dBuV
39.280540 GHz
Marker 4 [T1]
39.63 dBuV
36.962280 GHz
D1 73.66 dBuV
D2 53.66 dBuV
Start 30 MHz
3.997 GHz/
Stop 40 GHz

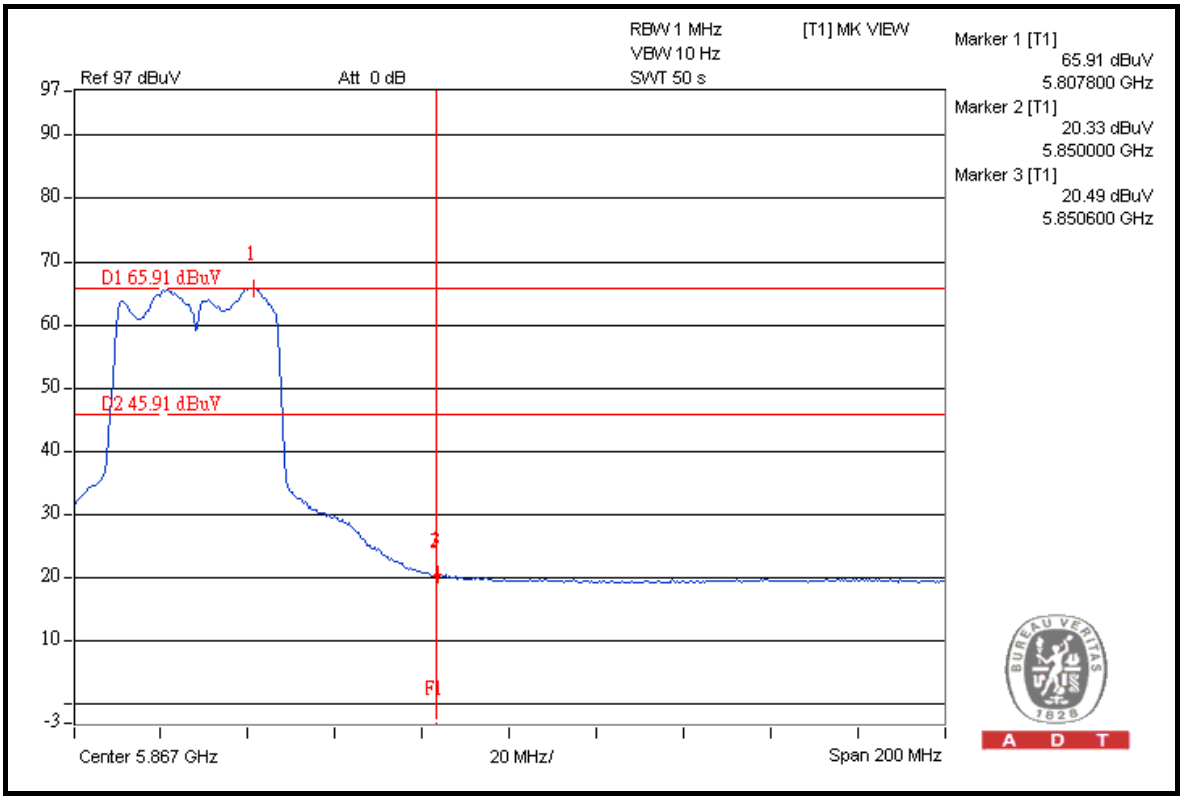
802.11n (40MHz)

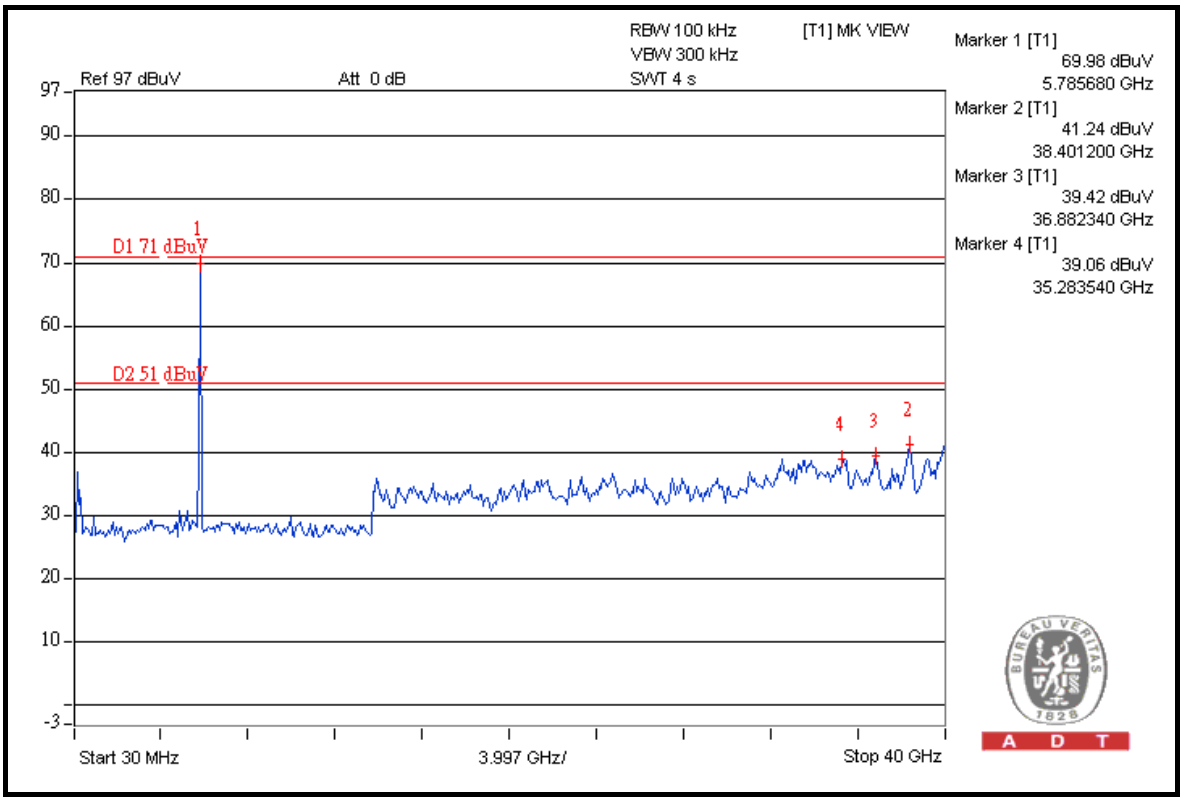





RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
69.36 dBuV
5.705740 GHz
Marker 2 [T1]
41.55 dBuV
39.920060 GHz
Marker 3 [T1]
41.03 dBuV
35.283540 GHz
Marker 4 [T1]
40.15 dBuV
38.481140 GHz
D1 71.18 dBuV
D2 51.18 dBuV
97
90
80
70
60
50
40
30
20
10
-3
Start 30 MHz
3.997 GHz/
Stop 40 GHz


RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
71.00 dBuV
5.782600 GHz
Marker 2 [T1]
26.93 dBuV
5.850000 GHz
Marker 3 [T1]
29.59 dBuV
5.884200 GHz
D1 71 dBuV
D2 51 dBuV
97
90
80
70
60
50
40
30
20
10
-3
Center 5.867 GHz
20 MHz/
Span 200 MHz


RBW 1 MHz
VBW 10 Hz
SWT 50 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
65.91 dBuV
5.807800 GHz
Marker 2 [T1]
20.33 dBuV
5.850000 GHz
Marker 3 [T1]
20.49 dBuV
5.850600 GHz
D1 65.91 dBuV
D2 45.91 dBuV
Center 5.867 GHz
20 MHz/
Span 200 MHz


RBW 100 kHz
VBW 300 kHz
SWT 4 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
69.98 dBuV
5.785680 GHz
Marker 2 [T1]
41.24 dBuV
38.401200 GHz
Marker 3 [T1]
39.42 dBuV
36.882340 GHz
Marker 4 [T1]
39.06 dBuV
35.283540 GHz
D1 71 dBuV
D2 51 dBuV
Start 30 MHz
3.997 GHz/
Stop 40 GHz

6. PHOTOGRAPHS OF THE TEST CONFIGURATION

Please refer to the attached file (Test Setup Photo).

7. INFORMATION ON THE TESTING LABORATORIES

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch., were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025:

Copies of accreditation certificates of our laboratories obtained from approval agencies can be downloaded from our web site: www.adt.com.tw/index.5/phtml. If you have any comments, please feel free to contact us at the following:

Linko EMC/RF Lab:
Tel: 886-2-26052180
Fax: 886-2-26051924

Hsin Chu EMC/RF Lab:
Tel: 886-3-5935343
Fax: 886-3-5935342

Hwa Ya EMC/RF/Safety/TPCI Lab:
Tel: 886-3-3183232
Fax: 886-3-3185050

Web Site: www.adt.com.tw

The address and road map of all our labs can be found in our web site also.

8. APPENDIX A - MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications are made to the EUT by the lab during the test.

---END---