

#### 4.4 UNWANTED EMISSION MEASUREMENT(RADIATED VERSUS CONDUCTED)

##### 4.4.1 LIMITS OF RADIATED EMISSION AND BANDEDGE MEASUREMENT

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table:

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. 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.

#### 4.4.2 LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS

APPLICABLE TO	LIMIT	
789033 D02 General UNII Test Procedures New Rules v01	FIELD STRENGTH AT 3m	
	PK:74 (dBµV/m)	AV:54 (dBµV/m)
APPLICABLE TO	EIRP LIMIT	EQUIVALENT FIELD STRENGTH AT 3m
15.407(b)(1)	PK:-27 (dBm/MHz)	PK:68.2(dBµV/m)
15.407(b)(2)		
15.407(b)(3)		
15.407(b)(4)	PK:-27 (dBm/MHz) <sup>*1</sup> PK:-17 (dBm/MHz) <sup>*2</sup>	PK: 68.2(dBµV/m) <sup>*1</sup> PK:78.2 (dBµV/m) <sup>*2</sup>

**NOTE:** <sup>\*1</sup> beyond 10MHz of the band edge    <sup>\*2</sup> within 10 MHz of band edge

The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

$$E = \frac{1000000\sqrt{30P}}{3} \text{ } \mu\text{V/m, where P is the eirp (Watts).}$$



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#### 4.4.3 TEST INSTRUMENTS

**Below 1GHz test:**

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
MXE EMI Receiver Agilent	N9038A	MY50010156	Jan. 15, 2014	Jan. 14, 2015
Pre-Amplifier Mini-Circuits	ZFL-1000VH2 B	AMP-ZFL-04	Nov. 13, 2013	Nov. 12, 2014
Trilog Broadband Antenna SCHWARZBECK	VULB 9168	9168-361	Feb. 27, 2014	Feb. 26, 2015
RF Cable	NA	CHHCAB_001	Oct. 06, 2013	Oct. 05, 2014
Spectrum Analyzer R&S	FSV40	100964	July 15, 2013	July 14, 2014
Horn_Antenna AISI	AIH.8018	000022009111 0	Dec. 06, 2013	Dec. 05, 2014
Pre-Amplifier Agilent	8449B	3008A01923	Oct. 29, 2013	Oct. 28, 2014
RF Cable	NA	RF104-205 RF104-207 RF104-202	Dec. 12, 2013	Dec. 11, 2014
Spectrum Analyzer Agilent	E4446A	MY48250253	Aug. 28, 2013	Aug. 27, 2014
Pre-Amplifier SPACEK LABS	SLKKa-48-6	9K16	Nov. 13, 2013	Nov. 12, 2014
Horn_Antenna SCHWARZBECK	BBHA 9170	9170-424	Oct. 08, 2013	Oct. 07, 2014
Software	ADT_Radiated _V8.7.07	NA	NA	NA
Antenna Tower & Turn Table CT	NA	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 horn antenna, preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
- 3 The test was performed in 966 Chamber No. H.
4. The FCC Site Registration No. is 797305.
- 5 The CANADA Site Registration No. is IC 7450H-3.
- 6 Tested Date: June 07, 2014



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**Above 1GHz test:**

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
MXE EMI Receiver Agilent	N9038A	MY51210105	Jan. 21, 2014	Jan. 20, 2015
Pre-Amplifier Mini-Circuits	ZFL-1000VH2 B	AMP-ZFL-03	Nov. 13, 2013	Nov. 12, 2014
Trilog Broadband Antenna SCHWARZBECK	VULB 9168	9168-360	Feb. 26, 2014	Feb. 25, 2015
RF Cable	NA	CHGCAB_001	Oct. 05, 2013	Oct. 04, 2014
Spectrum Analyzer R&S	FSV40	100964	July 15, 2013	July 14, 2014
Horn_Antenna AISI	AIH.8018	000032009111 0	Nov. 18, 2013	Nov. 17, 2014
Pre-Amplifier Agilent	8449B	3008A02578	June 24, 2014	June 23, 2015
RF Cable	NA	RF104-201 RF104-203 RF104-204	Dec. 12, 2013	Dec. 11, 2014
Spectrum Analyzer Agilent	E4446A	MY48250253	Aug. 28, 2013	Aug. 27, 2014
Pre-Amplifier SPACEK LABS	SLKKa-48-6	9K16	Nov. 13, 2013	Nov. 12, 2014
Horn_Antenna SCHWARZBECK	BBHA 9170	9170-424	Oct. 08, 2013	Oct. 07, 2014
Software	ADT_Radiated _V8.7.07	NA	NA	NA
Antenna Tower & Turn Table CT	NA	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 horn antenna, preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
- 3 The test was performed in 966 Chamber No. G.
4. The FCC Site Registration No. is 966073.
- 5 The VCCI Site Registration No. is G-137.
- 6 The CANADA Site Registration No. is IC 7450H-2.
- 7 Tested Date: July 02, 2014

#### 4.4.4 TEST PROCEDURES

Following FCC KDB 789033 D02 General UNII Test Procedures:

Radiated versus Conducted Measurements.

The unwanted emission limits in both the restricted and non-restricted bands are based on antenna-port conducted measurements in conjunction with cabinet emissions tests are permitted to demonstrate compliance.

The following steps was performed:

- a. Cabinet emissions measurements. Radiated measurement was performed to ensure that cabinet emissions are below the emission limits. For the cabinet-emission measurements the antenna was replaced by a termination matching the nominal impedance of the antenna.
- b. Conducted tests was performed using equipment that matches the nominal impedance of the antenna assembly used with the EUT
- c. EIRP calculation. A value representative of an upper bound on out-of-band antenna gain (in dBi) shall be added to the measured antenna-port conducted emission power to compute EIRP within the specified measurement bandwidth. (For emissions in the restricted bands, additional calculations are required to convert EIRP to field strength at the specified distance.) The upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands or 2 dBi, whichever is greater
- d. EIRP adjustments for multiple outputs. (Follow the procedures specified in FCC KDB Publication 662911)
- e. For all of Radiation emission test
  - e-1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meters chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
  - e-2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
  - e-3. The height of antenna 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.
  - e-4. 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-5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
  - e-6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.



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**NOTE:**

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is  $\geq 1/T$  (Duty cycle  $< 98\%$ ) or 10Hz (Duty cycle  $\geq 98\%$ ) for Average detection (AV) at frequency above 1GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.

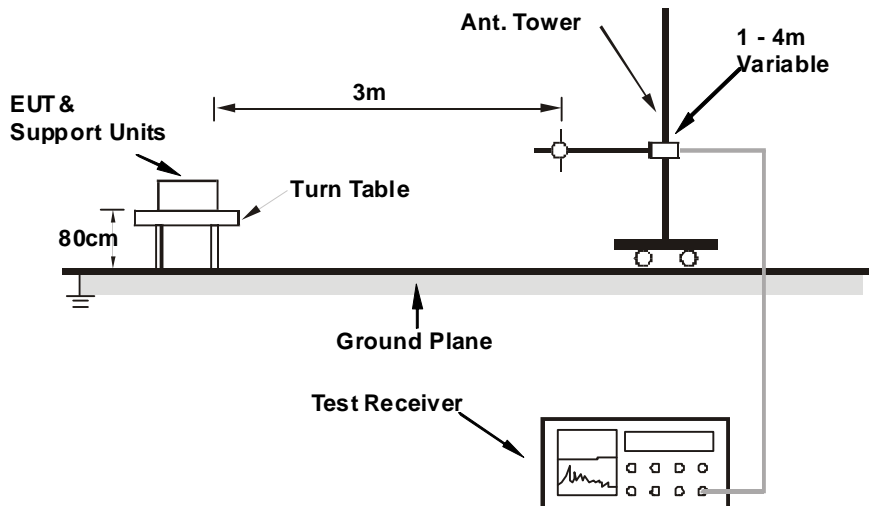
#### 4.4.5 DEVIATION FROM TEST STANDARD

No deviation

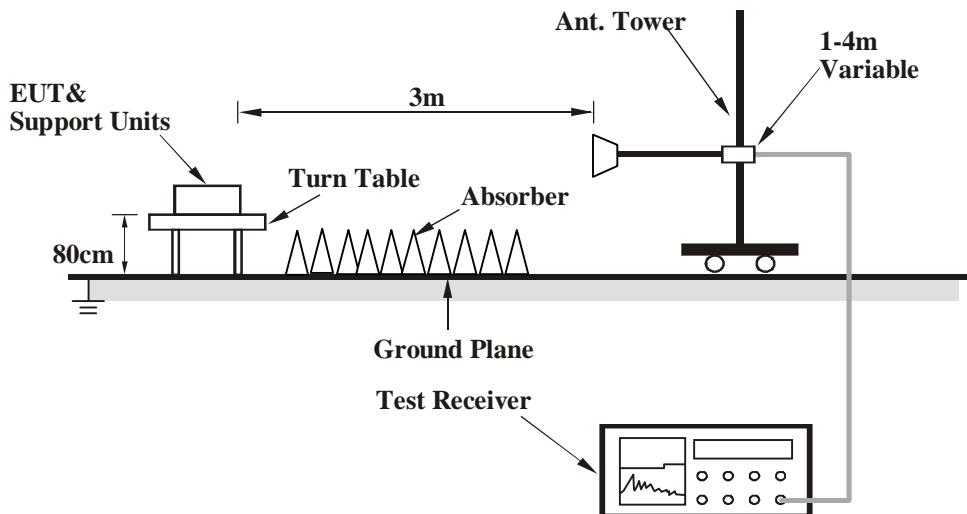
#### 4.4.6 TEST SETUP

##### For radiated configuration:

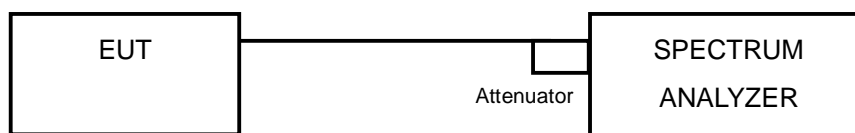
<Frequency Range below 1GHz>



<Frequency Range above 1GHz>



##### For conducted configuration:



For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

#### 4.4.7 EUT OPERATING CONDITION

1. Connect the EUT with the support unit 1 (Notebook Computer) which is placed on a testing table.
2. The communication partner run test program “QCRT Version3.0 29.0” to enable EUT under transmission/receiving condition continuously at specific channel frequency.



#### 4.4.8 TEST RESULTS (RADIATED MEASUREMENT)

Radiated versus Conducted Measurement	
<input type="checkbox"/> Conducted measurement	<input checked="" type="checkbox"/> Radiated measurement
<p><u>For Radiated measurement:</u> The level of unwanted emissions was measured when radiated by the cabinet or structure of the equipment with the antenna connector(s) terminated by a specified load (cabinet radiation)</p> <p><u>For Conducted measurement:</u> The level of unwanted emissions was measured as their power in a specified load (conducted spurious emissions).</p>	



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**BELOW 1GHz WORST-CASE DATA**

**802.11ac (VHT20)**

<b>CHANNEL</b>	TX Channel 120	<b>DETECTOR FUNCTION</b>	Quasi-Peak (QP)
<b>FREQUENCY RANGE</b>	Below 1GHz		

**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	166.32	40.5 QP	43.5	-3.0	1.50 H	153	53.40	-12.91
2	232.78	39.3 QP	46.0	-6.7	1.50 H	331	53.86	-14.54
3	240.00	38.3 QP	46.0	-7.7	1.00 H	0	52.11	-13.80
4	287.97	32.6 QP	46.0	-13.4	1.00 H	0	44.74	-12.13
5	432.01	36.2 QP	46.0	-9.8	2.00 H	126	44.31	-8.09
6	798.24	40.5 QP	46.0	-5.5	1.00 H	158	41.47	-0.97

**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	144.05	26.3 QP	43.5	-17.2	1.00 V	117	39.00	-12.68
2	165.99	35.1 QP	43.5	-8.4	1.00 V	150	48.00	-12.88
3	232.39	30.8 QP	46.0	-15.2	1.00 V	189	45.39	-14.62
4	240.00	31.2 QP	46.0	-14.8	1.00 V	172	45.00	-13.80
5	432.02	32.9 QP	46.0	-13.2	1.50 V	118	40.94	-8.09
6	796.64	40.3 QP	46.0	-5.7	1.50 V	5	41.27	-0.95

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value



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ABOVE 1GHz DATA

ABOVE 1GHz DATA

802.11a

<b>CHANNEL</b>	TX Channel 36	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**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	#10360.00	55.2 PK	74.0	-18.8	1.04 H	37	42.09	13.11
2	#10360.00	42.3 AV	54.0	-11.7	1.04 H	37	29.19	13.11
3	15540.00	60.7 PK	74.0	-13.3	1.20 H	300	42.01	18.69
4	15540.00	48.0 AV	54.0	-6.0	1.20 H	300	29.31	18.69

**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	#10360.00	54.3 PK	74.0	-19.7	1.54 V	331	41.19	13.11
2	#10360.00	41.7 AV	54.0	-12.3	1.54 V	331	28.59	13.11
3	15540.00	61.8 PK	74.0	-12.2	1.43 V	326	43.11	18.69
4	15540.00	48.3 AV	54.0	-5.7	1.43 V	326	29.61	18.69

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



<b>CHANNEL</b>	TX Channel 40	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**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	#10400.00	54.3 PK	74.0	-19.7	1.13 H	31	41.08	13.22
2	#10400.00	41.8 AV	54.0	-12.2	1.13 H	31	28.58	13.22
3	15600.00	61.2 PK	74.0	-12.8	1.15 H	315	42.50	18.70
4	15600.00	48.3 AV	54.0	-5.7	1.15 H	315	29.60	18.70

**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	#10400.00	55.4 PK	74.0	-18.6	1.51 V	329	42.18	13.22
2	#10400.00	42.6 AV	54.0	-11.4	1.51 V	329	29.38	13.22
3	15600.00	62.0 PK	74.0	-12.0	1.34 V	330	43.30	18.70
4	15600.00	48.8 AV	54.0	-5.2	1.34 V	330	30.10	18.70

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



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<b>CHANNEL</b>	TX Channel 48	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**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	#10480.00	54.6 PK	74.0	-19.4	1.00 H	21	41.44	13.16
2	#10480.00	41.9 AV	54.0	-12.1	1.00 H	21	28.74	13.16
3	15720.00	61.6 PK	74.0	-12.4	1.20 H	301	43.20	18.40
4	15720.00	49.1 AV	54.0	-4.9	1.20 H	301	30.70	18.40

**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	#10480.00	54.7 PK	74.0	-19.3	1.48 V	344	41.54	13.16
2	#10480.00	42.1 AV	54.0	-11.9	1.48 V	344	28.94	13.16
3	15720.00	62.4 PK	74.0	-11.6	1.37 V	315	44.00	18.40
4	15720.00	49.3 AV	54.0	-4.7	1.37 V	315	30.90	18.40

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



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<b>CHANNEL</b>	TX Channel 52	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**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	#10520.00	54.1 PK	74.0	-19.9	1.04 H	16	40.88	13.22
2	#10520.00	41.7 AV	54.0	-12.3	1.04 H	16	28.48	13.22
3	15780.00	61.5 PK	74.0	-12.5	1.22 H	310	42.99	18.51
4	15780.00	49.3 AV	54.0	-4.7	1.22 H	310	30.79	18.51

**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	#10520.00	55.1 PK	74.0	-18.9	1.52 V	341	41.88	13.22
2	#10520.00	42.4 AV	54.0	-11.6	1.52 V	341	29.18	13.22
3	15780.00	62.8 PK	74.0	-11.2	1.32 V	319	44.29	18.51
4	15780.00	49.5 AV	54.0	-4.5	1.32 V	319	30.99	18.51

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



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<b>CHANNEL</b>	TX Channel 60	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**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	10600.00	54.0 PK	74.0	-20.0	1.01 H	7	40.47	13.53
2	10600.00	41.2 AV	54.0	-12.8	1.01 H	7	27.67	13.53
3	15900.00	61.7 PK	74.0	-12.3	1.16 H	301	43.05	18.65
4	15900.00	49.3 AV	54.0	-4.7	1.16 H	301	30.65	18.65

**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	10600.00	54.7 PK	74.0	-19.3	1.49 V	337	41.17	13.53
2	10600.00	41.8 AV	54.0	-12.2	1.49 V	337	28.27	13.53
3	15900.00	62.6 PK	74.0	-11.4	1.40 V	331	43.95	18.65
4	15900.00	49.7 AV	54.0	-4.3	1.40 V	331	31.05	18.65

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value



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<b>CHANNEL</b>	TX Channel 64	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**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	10640.00	54.6 PK	74.0	-19.4	1.02 H	6	40.97	13.63
2	10640.00	41.9 AV	54.0	-12.1	1.02 H	6	28.27	13.63
3	15960.00	62.4 PK	74.0	-11.6	1.15 H	302	43.79	18.61
4	15960.00	49.7 AV	54.0	-4.3	1.15 H	302	31.09	18.61

**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	10640.00	54.8 PK	74.0	-19.2	1.43 V	339	41.17	13.63
2	10640.00	42.1 AV	54.0	-11.9	1.43 V	339	28.47	13.63
3	15960.00	63.1 PK	74.0	-10.9	1.35 V	316	44.49	18.61
4	15960.00	50.3 AV	54.0	-3.7	1.35 V	316	31.69	18.61

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value





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<b>CHANNEL</b>	TX Channel 100	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**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	11000.00	55.5 PK	74.0	-18.5	1.00 H	13	41.08	14.42
2	11000.00	42.5 AV	54.0	-11.5	1.00 H	13	28.08	14.42
3	#16500.00	62.9 PK	74.0	-11.1	1.20 H	299	41.96	20.94
4	#16500.00	50.7 AV	54.0	-3.3	1.20 H	299	29.76	20.94

**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	11000.00	55.9 PK	74.0	-18.1	1.52 V	355	41.48	14.42
2	11000.00	42.8 AV	54.0	-11.2	1.52 V	355	28.38	14.42
3	#16500.00	63.4 PK	74.0	-10.6	1.37 V	317	42.46	20.94
4	#16500.00	50.9 AV	54.0	-3.1	1.37 V	317	29.96	20.94

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



A D T

<b>CHANNEL</b>	TX Channel 120	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**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	11200.00	55.6 PK	74.0	-18.4	1.01 H	0	41.34	14.26
2	11200.00	42.5 AV	54.0	-11.5	1.01 H	0	28.24	14.26
3	#16800.00	62.7 PK	74.0	-11.3	1.23 H	300	41.40	21.30
4	#16800.00	50.8 AV	54.0	-3.2	1.23 H	300	29.50	21.30

**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	11200.00	56.2 PK	74.0	-17.8	1.56 V	353	41.94	14.26
2	11200.00	42.9 AV	54.0	-11.1	1.56 V	353	28.64	14.26
3	#16800.00	63.7 PK	74.0	-10.3	1.33 V	308	42.40	21.30
4	#16800.00	51.0 AV	54.0	-3.0	1.33 V	308	29.70	21.30

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



A D T

<b>CHANNEL</b>	TX Channel 140	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**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	11400.00	55.3 PK	74.0	-18.7	1.00 H	12	8.39	46.91
2	11400.00	42.6 AV	54.0	-11.4	1.00 H	12	-4.31	46.91
3	#17100.00	63.8 PK	74.0	-10.2	1.21 H	304	10.91	52.89
4	#17100.00	51.0 AV	54.0	-3.0	1.21 H	304	-1.89	52.89

**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	11400.00	56.4 PK	74.0	-17.6	1.53 V	354	9.49	46.91
2	11400.00	43.1 AV	54.0	-10.9	1.53 V	354	-3.81	46.91
3	#17100.00	63.4 PK	74.0	-10.6	1.26 V	357	10.51	52.89
4	#17100.00	50.8 AV	54.0	-3.2	1.26 V	357	-2.09	52.89

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



A D T

<b>CHANNEL</b>	TX Channel 144	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**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	11440.00	55.8 PK	74.0	-18.2	1.00 H	11	41.41	14.39
2	11440.00	43.1 AV	54.0	-10.9	1.00 H	11	28.71	14.39
3	#17160.00	63.5 PK	74.0	-10.5	1.21 H	289	41.49	22.01
4	#17160.00	51.0 AV	54.0	-3.0	1.21 H	289	28.99	22.01

**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	11440.00	56.5 PK	74.0	-17.5	1.48 V	360	42.11	14.39
2	11440.00	42.9 AV	54.0	-11.1	1.48 V	360	28.51	14.39
3	#17160.00	63.1 PK	74.0	-10.9	1.27 V	349	41.09	22.01
4	#17160.00	50.9 AV	54.0	-3.1	1.27 V	349	28.89	22.01

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



A D T

<b>CHANNEL</b>	TX Channel 149	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**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	11490.00	55.5 PK	74.0	-18.5	1.12 H	21	41.15	14.35
2	11490.00	43.0 AV	54.0	-11.0	1.12 H	21	28.65	14.35
3	#17235.00	51.6 PK	74.0	-22.4	1.00 H	131	29.16	22.44
4	#17235.00	40.2 AV	54.0	-13.8	1.00 H	131	17.76	22.44

**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	11490.00	56.2 PK	74.0	-17.8	1.50 V	358	41.85	14.35
2	11490.00	43.1 AV	54.0	-10.9	1.50 V	358	28.75	14.35
3	#17235.00	51.5 PK	74.0	-22.5	1.21 V	315	29.06	22.44
4	#17235.00	39.6 AV	54.0	-14.4	1.21 V	315	17.16	22.44

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



A D T

<b>CHANNEL</b>	TX Channel 157	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**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	11570.00	55.6 PK	74.0	-18.4	1.10 H	19	41.29	14.31
2	11570.00	43.3 AV	54.0	-10.7	1.10 H	19	28.99	14.31
3	#17355.00	51.9 PK	74.0	-22.1	1.00 H	132	28.90	23.00
4	#17355.00	40.8 AV	54.0	-13.2	1.00 H	132	17.80	23.00

**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	11570.00	55.9 PK	74.0	-18.1	1.49 V	360	41.59	14.31
2	11570.00	42.8 AV	54.0	-11.2	1.49 V	360	28.49	14.31
3	#17355.00	51.9 PK	74.0	-22.1	1.24 V	330	28.90	23.00
4	#17355.00	40.1 AV	54.0	-13.9	1.24 V	330	17.10	23.00

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

<b>CHANNEL</b>	TX Channel 165	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**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	11650.00	56.2 PK	74.0	-17.8	1.09 H	37	41.82	14.38
2	11650.00	43.5 AV	54.0	-10.5	1.09 H	37	29.12	14.38
3	#17475.00	52.4 PK	74.0	-21.6	1.00 H	146	29.10	23.30
4	#17475.00	41.2 AV	54.0	-12.8	1.00 H	146	17.90	23.30

**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	11650.00	56.8 PK	74.0	-17.2	1.53 V	360	42.42	14.38
2	11650.00	43.7 AV	54.0	-10.3	1.53 V	360	29.32	14.38
3	#17475.00	52.3 PK	74.0	-21.7	1.16 V	317	29.00	23.30
4	#17475.00	40.7 AV	54.0	-13.3	1.16 V	317	17.40	23.30

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

**802.11ac (VHT20)**

<b>CHANNEL</b>	TX Channel 36	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>								
<b>NO.</b>	<b>FREQ. (MHz)</b>	<b>EMISSION LEVEL (dBuV/m)</b>	<b>LIMIT (dBuV/m)</b>	<b>MARGIN (dB)</b>	<b>ANTENNA HEIGHT (m)</b>	<b>TABLE ANGLE (Degree)</b>	<b>RAW VALUE (dBuV)</b>	<b>CORRECTION FACTOR (dB/m)</b>
1	#10360.00	55.8 PK	74.0	-18.2	1.11 H	47	42.69	13.11
2	#10360.00	42.8 AV	54.0	-11.2	1.11 H	47	29.69	13.11
3	15540.00	60.8 PK	74.0	-13.2	1.20 H	290	42.11	18.69
4	15540.00	48.1 AV	54.0	-5.9	1.20 H	290	29.41	18.69
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>								
<b>NO.</b>	<b>FREQ. (MHz)</b>	<b>EMISSION LEVEL (dBuV/m)</b>	<b>LIMIT (dBuV/m)</b>	<b>MARGIN (dB)</b>	<b>ANTENNA HEIGHT (m)</b>	<b>TABLE ANGLE (Degree)</b>	<b>RAW VALUE (dBuV)</b>	<b>CORRECTION FACTOR (dB/m)</b>
1	#10360.00	54.5 PK	74.0	-19.5	1.48 V	337	41.39	13.11
2	#10360.00	42.0 AV	54.0	-12.0	1.48 V	337	28.89	13.11
3	15540.00	62.2 PK	74.0	-11.8	1.43 V	323	43.51	18.69
4	15540.00	48.8 AV	54.0	-5.2	1.43 V	323	30.11	18.69

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.





<b>CHANNEL</b>	TX Channel 40	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**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	#10400.00	54.2 PK	74.0	-19.8	1.10 H	41	40.98	13.22
2	#10400.00	41.8 AV	54.0	-12.2	1.10 H	41	28.58	13.22
3	15600.00	60.8 PK	74.0	-13.2	1.16 H	309	42.10	18.70
4	15600.00	48.0 AV	54.0	-6.0	1.16 H	309	29.30	18.70

**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	#10400.00	55.2 PK	74.0	-18.8	1.50 V	319	41.98	13.22
2	#10400.00	42.6 AV	54.0	-11.4	1.50 V	319	29.38	13.22
3	15600.00	62.5 PK	74.0	-11.5	1.38 V	337	43.80	18.70
4	15600.00	49.1 AV	54.0	-4.9	1.38 V	337	30.40	18.70

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



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<b>CHANNEL</b>	TX Channel 48	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**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	#10480.00	54.4 PK	74.0	-19.6	1.00 H	25	41.24	13.16
2	#10480.00	41.6 AV	54.0	-12.4	1.00 H	25	28.44	13.16
3	15720.00	61.5 PK	74.0	-12.5	1.16 H	305	43.10	18.40
4	15720.00	49.1 AV	54.0	-4.9	1.16 H	305	30.70	18.40

**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	#10480.00	54.5 PK	74.0	-19.5	1.49 V	333	41.34	13.16
2	#10480.00	42.1 AV	54.0	-11.9	1.49 V	333	28.94	13.16
3	15720.00	62.1 PK	74.0	-11.9	1.37 V	316	43.70	18.40
4	15720.00	49.1 AV	54.0	-4.9	1.37 V	316	30.70	18.40

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



A D T

<b>CHANNEL</b>	TX Channel 52	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**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	#10520.00	53.5 PK	74.0	-20.5	1.05 H	18	40.28	13.22
2	#10520.00	41.4 AV	54.0	-12.6	1.05 H	18	28.18	13.22
3	15780.00	62.0 PK	74.0	-12.0	1.19 H	304	43.49	18.51
4	15780.00	49.6 AV	54.0	-4.4	1.19 H	304	31.09	18.51

**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	#10520.00	55.4 PK	74.0	-18.6	1.58 V	352	42.18	13.22
2	#10520.00	42.8 AV	54.0	-11.2	1.58 V	352	29.58	13.22
3	15780.00	63.0 PK	74.0	-11.0	1.36 V	328	44.49	18.51
4	15780.00	49.8 AV	54.0	-4.2	1.36 V	328	31.29	18.51

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

<b>CHANNEL</b>	TX Channel 60	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**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	10600.00	54.1 PK	74.0	-19.9	1.02 H	23	40.57	13.53
2	10600.00	41.6 AV	54.0	-12.4	1.02 H	23	28.07	13.53
3	15900.00	61.5 PK	74.0	-12.5	1.15 H	313	42.85	18.65
4	15900.00	49.0 AV	54.0	-5.0	1.15 H	313	30.35	18.65

**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	10600.00	54.6 PK	74.0	-19.4	1.53 V	327	41.07	13.53
2	10600.00	41.6 AV	54.0	-12.4	1.53 V	327	28.07	13.53
3	15900.00	62.7 PK	74.0	-11.3	1.39 V	343	44.05	18.65
4	15900.00	49.6 AV	54.0	-4.4	1.39 V	343	30.95	18.65

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value



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<b>CHANNEL</b>	TX Channel 64	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**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	10640.00	54.3 PK	74.0	-19.7	1.05 H	21	40.67	13.63
2	10640.00	41.8 AV	54.0	-12.2	1.05 H	21	28.17	13.63
3	15960.00	61.9 PK	74.0	-12.1	1.11 H	286	43.29	18.61
4	15960.00	49.4 AV	54.0	-4.6	1.11 H	286	30.79	18.61

**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	10640.00	54.9 PK	74.0	-19.1	1.47 V	337	41.27	13.63
2	10640.00	42.3 AV	54.0	-11.7	1.47 V	337	28.67	13.63
3	15960.00	63.2 PK	74.0	-10.8	1.39 V	312	44.59	18.61
4	15960.00	50.1 AV	54.0	-3.9	1.39 V	312	31.49	18.61

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value



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<b>CHANNEL</b>	TX Channel 100	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**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	11000.00	55.1 PK	74.0	-18.9	1.03 H	23	40.68	14.42
2	11000.00	42.1 AV	54.0	-11.9	1.03 H	23	27.68	14.42
3	#16500.00	62.4 PK	74.0	-11.6	1.18 H	315	41.46	20.94
4	#16500.00	50.3 AV	54.0	-3.7	1.18 H	315	29.36	20.94

**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	11000.00	55.5 PK	74.0	-18.5	1.52 V	341	41.08	14.42
2	11000.00	42.5 AV	54.0	-11.5	1.52 V	341	28.08	14.42
3	#16500.00	63.2 PK	74.0	-10.8	1.36 V	321	42.26	20.94
4	#16500.00	50.8 AV	54.0	-3.2	1.36 V	321	29.86	20.94

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



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<b>CHANNEL</b>	TX Channel 120	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**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	11200.00	55.4 PK	74.0	-18.6	1.00 H	19	41.14	14.26
2	11200.00	42.5 AV	54.0	-11.5	1.00 H	19	28.24	14.26
3	#16800.00	62.6 PK	74.0	-11.4	1.17 H	296	41.30	21.30
4	#16800.00	50.2 AV	54.0	-3.8	1.17 H	296	28.90	21.30

**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	11200.00	55.5 PK	74.0	-18.5	1.58 V	360	41.24	14.26
2	11200.00	42.4 AV	54.0	-11.6	1.58 V	360	28.14	14.26
3	#16800.00	63.6 PK	74.0	-10.4	1.33 V	299	42.30	21.30
4	#16800.00	50.8 AV	54.0	-3.2	1.33 V	299	29.50	21.30

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



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<b>CHANNEL</b>	TX Channel 140	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**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	11400.00	55.2 PK	74.0	-18.8	1.02 H	14	8.29	46.91
2	11400.00	42.6 AV	54.0	-11.4	1.02 H	14	-4.31	46.91
3	#17100.00	64.0 PK	74.0	-10.0	1.21 H	294	11.11	52.89
4	#17100.00	50.7 AV	54.0	-3.3	1.21 H	294	-2.19	52.89

**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	11400.00	56.6 PK	74.0	-17.4	1.59 V	360	9.69	46.91
2	11400.00	43.1 AV	54.0	-10.9	1.59 V	360	-3.81	46.91
3	#17100.00	62.9 PK	74.0	-11.1	1.23 V	360	10.01	52.89
4	#17100.00	50.7 AV	54.0	-3.3	1.23 V	360	-2.19	52.89

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.





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<b>CHANNEL</b>	TX Channel 144	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**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	11440.00	55.2 PK	74.0	-18.8	1.62 H	360	8.21	46.99
2	11440.00	42.0 AV	54.0	-12.0	1.62 H	360	-4.99	46.99
3	#17160.00	63.3 PK	74.0	-10.7	1.29 H	307	10.07	53.23
4	#17160.00	50.7 AV	54.0	-3.3	1.29 H	307	-2.53	53.23

**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	11440.00	55.7 PK	74.0	-18.3	1.63 V	360	8.71	46.99
2	11440.00	42.8 AV	54.0	-11.2	1.63 V	360	-4.19	46.99
3	#17160.00	64.0 PK	74.0	-10.0	1.33 V	302	10.77	53.23
4	#17160.00	51.0 AV	54.0	-3.0	1.33 V	302	-2.23	53.23

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



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<b>CHANNEL</b>	TX Channel 149	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**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	11490.00	55.6 PK	74.0	-18.4	1.10 H	13	41.25	14.35
2	11490.00	43.3 AV	54.0	-10.7	1.10 H	13	28.95	14.35
3	#17235.00	51.7 PK	74.0	-22.3	1.00 H	124	29.26	22.44
4	#17235.00	40.1 AV	54.0	-13.9	1.00 H	124	17.66	22.44

**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	11490.00	55.9 PK	74.0	-18.1	1.48 V	360	41.55	14.35
2	11490.00	43.0 AV	54.0	-11.0	1.48 V	360	28.65	14.35
3	#17235.00	51.1 PK	74.0	-22.9	1.19 V	320	28.66	22.44
4	#17235.00	39.4 AV	54.0	-14.6	1.19 V	320	16.96	22.44

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



<b>CHANNEL</b>	TX Channel 157	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**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	11570.00	55.8 PK	74.0	-18.2	1.13 H	27	41.49	14.31
2	11570.00	43.3 AV	54.0	-10.7	1.13 H	27	28.99	14.31
3	#17355.00	51.9 PK	74.0	-22.1	1.00 H	135	28.90	23.00
4	#17355.00	40.7 AV	54.0	-13.3	1.00 H	135	17.70	23.00

**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	11570.00	56.0 PK	74.0	-18.0	1.52 V	358	41.69	14.31
2	11570.00	42.7 AV	54.0	-11.3	1.52 V	358	28.39	14.31
3	#17355.00	51.7 PK	74.0	-22.3	1.26 V	323	28.70	23.00
4	#17355.00	39.9 AV	54.0	-14.1	1.26 V	323	16.90	23.00

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



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<b>CHANNEL</b>	TX Channel 165	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**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	11650.00	56.3 PK	74.0	-17.7	1.06 H	49	41.92	14.38
2	11650.00	43.4 AV	54.0	-10.6	1.06 H	49	29.02	14.38
3	#17475.00	52.9 PK	74.0	-21.1	1.01 H	137	29.60	23.30
4	#17475.00	41.2 AV	54.0	-12.8	1.01 H	137	17.90	23.30

**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	11650.00	57.3 PK	74.0	-16.7	1.54 V	360	42.92	14.38
2	11650.00	44.1 AV	54.0	-9.9	1.54 V	360	29.72	14.38
3	#17475.00	51.9 PK	74.0	-22.1	1.18 V	313	28.60	23.30
4	#17475.00	40.1 AV	54.0	-13.9	1.18 V	313	16.80	23.30

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



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802.11ac (VHT40)

<b>CHANNEL</b>	TX Channel 38	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**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	#10380.00	54.9 PK	74.0	-19.1	1.00 H	20	41.73	13.17
2	#10380.00	42.1 AV	54.0	-11.9	1.00 H	20	28.93	13.17
3	15570.00	61.3 PK	74.0	-12.7	1.15 H	299	42.61	18.69
4	15570.00	48.9 AV	54.0	-5.1	1.15 H	299	30.21	18.69

**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	#10380.00	55.2 PK	74.0	-18.8	1.56 V	321	42.03	13.17
2	#10380.00	42.4 AV	54.0	-11.6	1.56 V	321	29.23	13.17
3	15570.00	62.5 PK	74.0	-11.5	1.43 V	326	43.81	18.69
4	15570.00	49.3 AV	54.0	-4.7	1.43 V	326	30.61	18.69

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



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<b>CHANNEL</b>	TX Channel 46	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**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	#10460.00	53.5 PK	74.0	-20.5	1.10 H	36	40.32	13.18
2	#10460.00	41.5 AV	54.0	-12.5	1.10 H	36	28.32	13.18
3	15690.00	62.0 PK	74.0	-12.0	1.14 H	318	43.62	18.38
4	15690.00	49.6 AV	54.0	-4.4	1.14 H	318	31.22	18.38

**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	#10460.00	56.0 PK	74.0	-18.0	1.63 V	346	42.82	13.18
2	#10460.00	43.2 AV	54.0	-10.8	1.63 V	346	30.02	13.18
3	15690.00	63.4 PK	74.0	-10.6	1.42 V	321	45.02	18.38
4	15690.00	50.0 AV	54.0	-4.0	1.42 V	321	31.62	18.38

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



<b>CHANNEL</b>	TX Channel 54	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**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	#10540.00	54.1 PK	74.0	-19.9	1.00 H	16	40.81	13.29
2	#10540.00	41.9 AV	54.0	-12.1	1.00 H	16	28.61	13.29
3	15810.00	61.6 PK	74.0	-12.4	1.16 H	323	43.03	18.57
4	15810.00	49.2 AV	54.0	-4.8	1.16 H	323	30.63	18.57

**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	#10540.00	55.2 PK	74.0	-18.8	1.58 V	329	41.91	13.29
2	#10540.00	42.0 AV	54.0	-12.0	1.58 V	329	28.71	13.29
3	15810.00	62.4 PK	74.0	-11.6	1.44 V	334	43.83	18.57
4	15810.00	49.3 AV	54.0	-4.7	1.44 V	334	30.73	18.57

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



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<b>CHANNEL</b>	TX Channel 62	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**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	10620.00	53.8 PK	74.0	-20.2	1.03 H	34	40.21	13.59
2	10620.00	41.3 AV	54.0	-12.7	1.03 H	34	27.71	13.59
3	15930.00	61.7 PK	74.0	-12.3	1.12 H	291	43.06	18.64
4	15930.00	49.3 AV	54.0	-4.7	1.12 H	291	30.66	18.64

**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	10620.00	54.9 PK	74.0	-19.1	1.45 V	328	41.31	13.59
2	10620.00	42.2 AV	54.0	-11.8	1.45 V	328	28.61	13.59
3	15930.00	62.9 PK	74.0	-11.1	1.40 V	314	44.26	18.64
4	15930.00	49.6 AV	54.0	-4.4	1.40 V	314	30.96	18.64

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value





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<b>CHANNEL</b>	TX Channel 102	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**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	11020.00	55.1 PK	74.0	-18.9	1.01 H	38	8.27	46.83
2	11020.00	42.0 AV	54.0	-12.0	1.01 H	38	-4.83	46.83
3	#16530.00	62.8 PK	74.0	-11.2	1.22 H	308	10.06	52.74
4	#16530.00	49.9 AV	54.0	-4.1	1.22 H	308	-2.84	52.74

**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	11020.00	55.7 PK	74.0	-18.3	1.57 V	348	8.87	46.83
2	11020.00	42.6 AV	54.0	-11.4	1.57 V	348	-4.23	46.83
3	#16530.00	63.4 PK	74.0	-10.6	1.31 V	314	10.66	52.74
4	#16530.00	50.9 AV	54.0	-3.1	1.31 V	314	-1.84	52.74

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



<b>CHANNEL</b>	TX Channel 118	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**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	11180.00	54.8 PK	74.0	-19.2	1.00 H	33	7.97	46.83
2	11180.00	42.1 AV	54.0	-11.9	1.00 H	33	-4.73	46.83
3	#16770.00	62.2 PK	74.0	-11.8	1.17 H	280	9.52	52.68
4	#16770.00	49.6 AV	54.0	-4.4	1.17 H	280	-3.08	52.68

**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	11180.00	56.7 PK	74.0	-17.3	1.51 V	353	9.87	46.83
2	11180.00	43.3 AV	54.0	-10.7	1.51 V	353	-3.53	46.83
3	#16770.00	63.7 PK	74.0	-10.3	1.37 V	313	11.02	52.68
4	#16770.00	50.7 AV	54.0	-3.3	1.37 V	313	-1.98	52.68

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



A D T

<b>CHANNEL</b>	TX Channel 134	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**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	11340.00	55.5 PK	74.0	-18.5	1.05 H	18	41.18	14.32
2	11340.00	42.3 AV	54.0	-11.7	1.05 H	18	27.98	14.32
3	#17010.00	63.8 PK	74.0	-10.2	1.15 H	292	42.27	21.53
4	#17010.00	49.9 AV	54.0	-4.1	1.15 H	292	28.37	21.53

**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	11340.00	55.2 PK	74.0	-18.8	1.53 V	350	40.88	14.32
2	11340.00	42.3 AV	54.0	-11.7	1.53 V	350	27.98	14.32
3	#17010.00	63.8 PK	74.0	-10.2	1.37 V	360	42.27	21.53
4	#17010.00	50.1 AV	54.0	-3.9	1.37 V	360	28.57	21.53

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



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<b>CHANNEL</b>	TX Channel 142	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**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	11420.00	54.8 PK	74.0	-19.2	1.00 H	23	7.85	46.95
2	11420.00	41.8 AV	54.0	-12.2	1.00 H	23	-5.15	46.95
3	#17130.00	62.8 PK	74.0	-11.2	1.19 H	296	9.74	53.06
4	#17130.00	49.9 AV	54.0	-4.1	1.19 H	296	-3.16	53.06

**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	11420.00	56.1 PK	74.0	-17.9	1.57 V	360	9.15	46.95
2	11420.00	43.0 AV	54.0	-11.0	1.57 V	360	-3.95	46.95
3	#17130.00	63.7 PK	74.0	-10.3	1.27 V	313	10.64	53.06
4	#17130.00	50.6 AV	54.0	-3.4	1.27 V	313	-2.46	53.06

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



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<b>CHANNEL</b>	TX Channel 151	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**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	11510.00	55.8 PK	74.0	-18.2	1.10 H	34	41.46	14.34
2	11510.00	43.1 AV	54.0	-10.9	1.10 H	34	28.76	14.34
3	#17265.00	52.3 PK	74.0	-21.7	1.00 H	151	29.62	22.68
4	#17265.00	40.9 AV	54.0	-13.1	1.00 H	151	18.22	22.68

**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	11510.00	55.3 PK	74.0	-18.7	1.54 V	345	40.96	14.34
2	11510.00	42.3 AV	54.0	-11.7	1.54 V	345	27.96	14.34
3	#17265.00	51.3 PK	74.0	-22.7	1.28 V	339	28.62	22.68
4	#17265.00	39.4 AV	54.0	-14.6	1.28 V	339	16.72	22.68

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



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<b>CHANNEL</b>	TX Channel 159	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**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	11590.00	56.1 PK	74.0	-17.9	1.01 H	52	41.80	14.30
2	11590.00	43.4 AV	54.0	-10.6	1.01 H	52	29.10	14.30
3	#17385.00	51.5 PK	74.0	-22.5	1.00 H	135	28.47	23.03
4	#17385.00	40.4 AV	54.0	-13.6	1.00 H	135	17.37	23.03

**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	11590.00	57.3 PK	74.0	-16.7	1.58 V	360	43.00	14.30
2	11590.00	44.4 AV	54.0	-9.6	1.58 V	360	30.10	14.30
3	#17385.00	51.0 PK	74.0	-23.0	1.30 V	333	27.97	23.03
4	#17385.00	39.5 AV	54.0	-14.5	1.30 V	333	16.47	23.03

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

**802.11ac (VHT80)**

<b>CHANNEL</b>	TX Channel 42	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>								
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	#10420.00	53.0 PK	74.0	-21.0	1.00 H	26	39.80	13.20
2	#10420.00	41.0 AV	54.0	-13.0	1.00 H	26	27.80	13.20
3	15630.00	60.7 PK	74.0	-13.3	1.12 H	289	42.10	18.60
4	15630.00	47.8 AV	54.0	-6.2	1.12 H	289	29.20	18.60
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>								
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	#10420.00	55.2 PK	74.0	-18.8	1.56 V	321	42.00	13.20
2	#10420.00	42.4 AV	54.0	-11.6	1.56 V	321	29.20	13.20
3	15630.00	61.2 PK	74.0	-12.8	1.43 V	326	42.60	18.60
4	15630.00	48.0 AV	54.0	-6.0	1.43 V	326	29.40	18.60

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



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<b>CHANNEL</b>	TX Channel 58	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**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	#10580.00	53.5 PK	74.0	-20.5	1.00 H	28	40.05	13.45
2	#10580.00	41.3 AV	54.0	-12.7	1.00 H	28	27.85	13.45
3	15870.00	60.9 PK	74.0	-13.1	1.14 H	298	42.28	18.62
4	15870.00	48.2 AV	54.0	-5.8	1.14 H	298	29.58	18.62

**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	#10580.00	56.0 PK	74.0	-18.0	1.63 V	346	42.55	13.45
2	#10580.00	43.2 AV	54.0	-10.8	1.63 V	346	29.75	13.45
3	15870.00	60.4 PK	74.0	-13.6	1.42 V	321	41.78	18.62
4	15870.00	48.2 AV	54.0	-5.8	1.42 V	321	29.58	18.62

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.





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<b>CHANNEL</b>	TX Channel 106	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**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	11060.00	53.3 PK	74.0	-20.7	1.00 H	27	39.00	14.30
2	11060.00	40.9 AV	54.0	-13.1	1.00 H	27	26.60	14.30
3	#16590.00	61.4 PK	74.0	-12.6	1.13 H	306	40.50	20.90
4	#16590.00	48.1 AV	54.0	-5.9	1.13 H	306	27.20	20.90

**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	11060.00	55.5 PK	74.0	-18.5	1.55 V	314	41.20	14.30
2	11060.00	42.1 AV	54.0	-11.9	1.55 V	314	27.80	14.30
3	#16590.00	62.4 PK	74.0	-11.6	1.29 V	341	41.50	20.90
4	#16590.00	48.6 AV	54.0	-5.4	1.29 V	341	27.70	20.90

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



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<b>CHANNEL</b>	TX Channel 122	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**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	11220.00	53.6 PK	74.0	-20.4	1.00 H	39	39.34	14.26
2	11220.00	41.4 AV	54.0	-12.6	1.00 H	39	27.14	14.26
3	#16830.00	61.4 PK	74.0	-12.6	1.10 H	302	40.05	21.35
4	#16830.00	48.5 AV	54.0	-5.5	1.10 H	302	27.15	21.35

**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	11220.00	55.1 PK	74.0	-18.9	1.50 V	318	40.84	14.26
2	11220.00	42.4 AV	54.0	-11.6	1.50 V	318	28.14	14.26
3	#16830.00	62.7 PK	74.0	-11.3	1.34 V	326	41.35	21.35
4	#16830.00	49.0 AV	54.0	-5.0	1.34 V	326	27.65	21.35

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

<b>CHANNEL</b>	TX Channel 138	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**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	11380.00	55.3 PK	74.0	-18.7	1.02 H	34	40.91	14.39
2	11380.00	41.7 AV	54.0	-12.3	1.02 H	34	27.31	14.39
3	#17070.00	61.5 PK	74.0	-12.5	1.25 H	298	39.81	21.69
4	#17070.00	48.3 AV	54.0	-5.7	1.25 H	298	26.61	21.69

**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	11380.00	55.7 PK	74.0	-18.3	1.57 V	348	41.31	14.39
2	11380.00	42.3 AV	54.0	-11.7	1.57 V	348	27.91	14.39
3	#17070.00	63.4 PK	74.0	-10.6	1.31 V	314	41.71	21.69
4	#17070.00	49.2 AV	54.0	-4.8	1.31 V	314	27.51	21.69

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

<b>CHANNEL</b>	TX Channel 155	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

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	11590.00	56.1 PK	74.0	-17.9	1.01 H	52	41.80	14.30
2	11590.00	43.4 AV	54.0	-10.6	1.01 H	52	29.10	14.30
3	#17385.00	51.5 PK	74.0	-22.5	1.00 H	135	28.47	23.03
4	#17385.00	40.4 AV	54.0	-13.6	1.00 H	135	17.37	23.03
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	11590.00	57.3 PK	74.0	-16.7	1.58 V	360	43.00	14.30
2	11590.00	44.4 AV	54.0	-9.6	1.58 V	360	30.10	14.30
3	#17385.00	51.0 PK	74.0	-23.0	1.30 V	333	27.97	23.03
4	#17385.00	39.5 AV	54.0	-14.5	1.30 V	333	16.47	23.03

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

#### 4.4.9 TEST RESULTS (CONDUCTED MEASUREMENT)

<b>Radiated versus Conducted Measurement</b>	
<input checked="" type="checkbox"/> Conducted measurement	<input type="checkbox"/> Radiated measurement
<p><u>For Radiated measurement:</u></p> <p>The level of unwanted emissions was measured when radiated by the cabinet or structure of the equipment with the antenna connector(s) terminated by a specified load (cabinet radiation)</p> <p><u>For Conducted measurement:</u></p> <p>The level of unwanted emissions was measured as their power in a specified load (conducted spurious emissions).</p>	

<b>Conducted Measurement Factor</b>
<p>a. The composite gain will be used when signal support the correlated signal.            (Composite gain = <math>3.08\text{dBi} + 10\log(2) = 6.09\text{dBi}</math>            Composite gain = <math>4.76\text{dBi} + 10\log(2) = 7.77\text{dBi}</math>)</p> <p>b. For the out of band spurious the gain for the specific band may have been used rather than the highest gain across all bands.</p> <p>c. For the band edge the gain for the specific band may have been used.</p> <p>d. In restricted bands below 1000 MHz, add upper bound on ground plane reflection:            For <math>f = 30 - 1000</math> MHz, add 4.7 dB.</p> <p>Note: The conducted emission test was considered some factor to compute test result.</p>



A D T

**BELOW 1GHz WORST-CASE DATA**

**802.11ac(VHT20) – Channel 120**

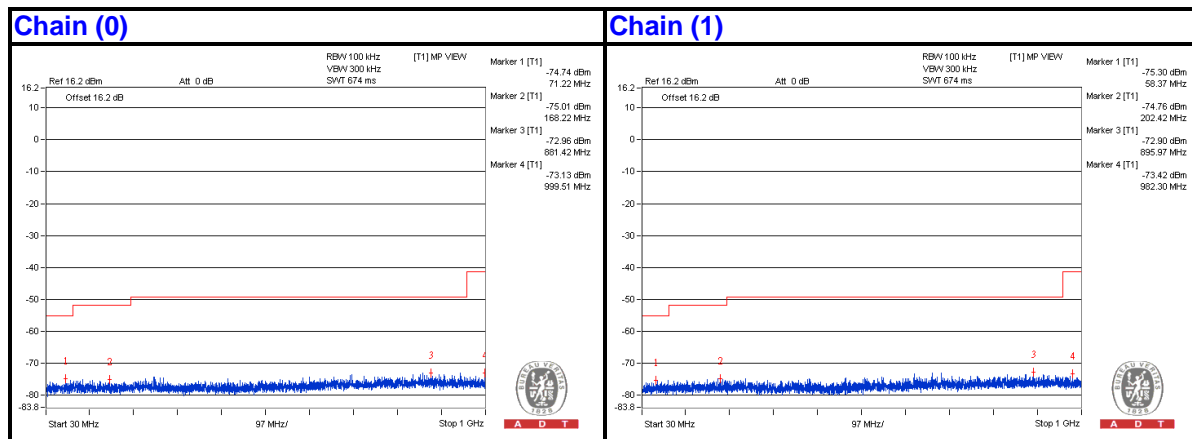
**Conducted spurious emission table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	71.225	28.33	40	-11.67	-74.74	-77.87	6.09	-66.93
2	172.105	28.63	43.5	-14.87	-76.56	-75.03	6.09	-66.63
3	280.26	28.86	46	-17.14	-74.52	-76.78	6.09	-66.4
4	596.965	29.32	46	-16.68	-74.52	-75.63	6.09	-65.94
5	670.4425	29.98	46	-16.02	-76.18	-73.11	6.09	-65.28
6	946.165	30.57	46	-15.43	-73.09	-74.62	6.09	-64.69

Note :

$$\text{Emission Level (dBuV/m)} = \text{EIRP Level (dBm)} - 20\log(d) + 104.8$$

d = measurement distance in 3 meters.





A D T

**ABOVE 1GHz DATA**  
**802.11a - Channel 36**

**Conducted spurious emission table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3440.625 PK	55.07	74	-18.93	-49.61	-48.99	6.09	-40.19
2	3446.875 AV	34.04	54	-19.96	-70.2	-70.45	6.09	-61.22
3	6906.25 PK	58.63	74	-15.37	-44.1	-48.38	6.09	-36.63
4	6906.25 AV	54	54	* 0	-47.79	-57.46	6.09	-41.26
5	10375 PK	55.54	74	-18.46	-50.1	-47.84	6.09	-39.72
6	10359.375 AV	34.37	54	-19.63	-70.23	-69.77	6.09	-60.89
7	15532.625 PK	55.53	74	-18.47	-47.61	-50.52	6.09	-39.73
8	15538.375 AV	43.91	54	-10.09	-59.95	-61.01	6.09	-51.35

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

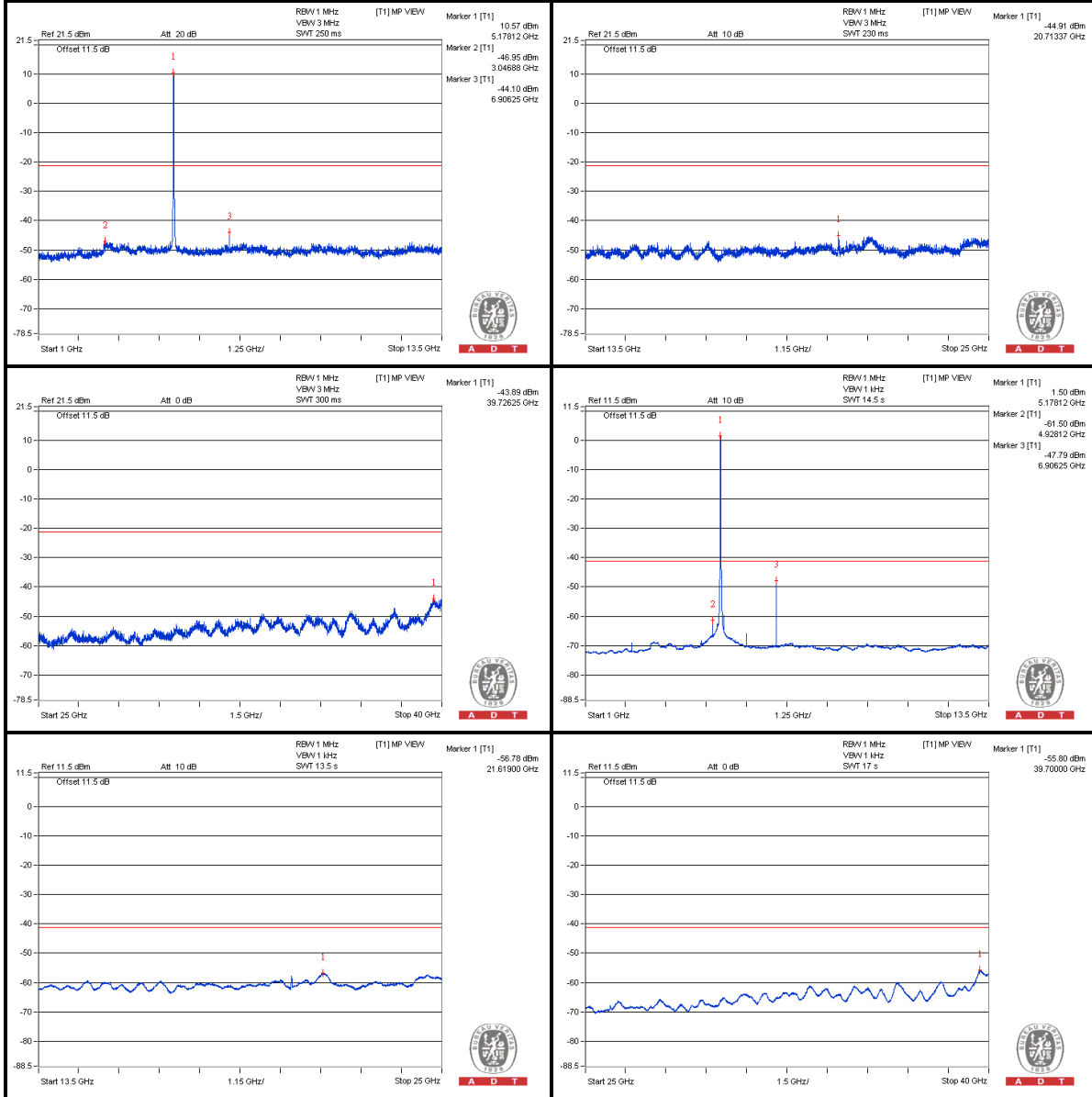
d = measurement distance in 3 meters.

\* The unwanted emission was verified and the test result was passed by radiated measurement. (Please refer APPENDIX A)



A D T

### Chain (0)

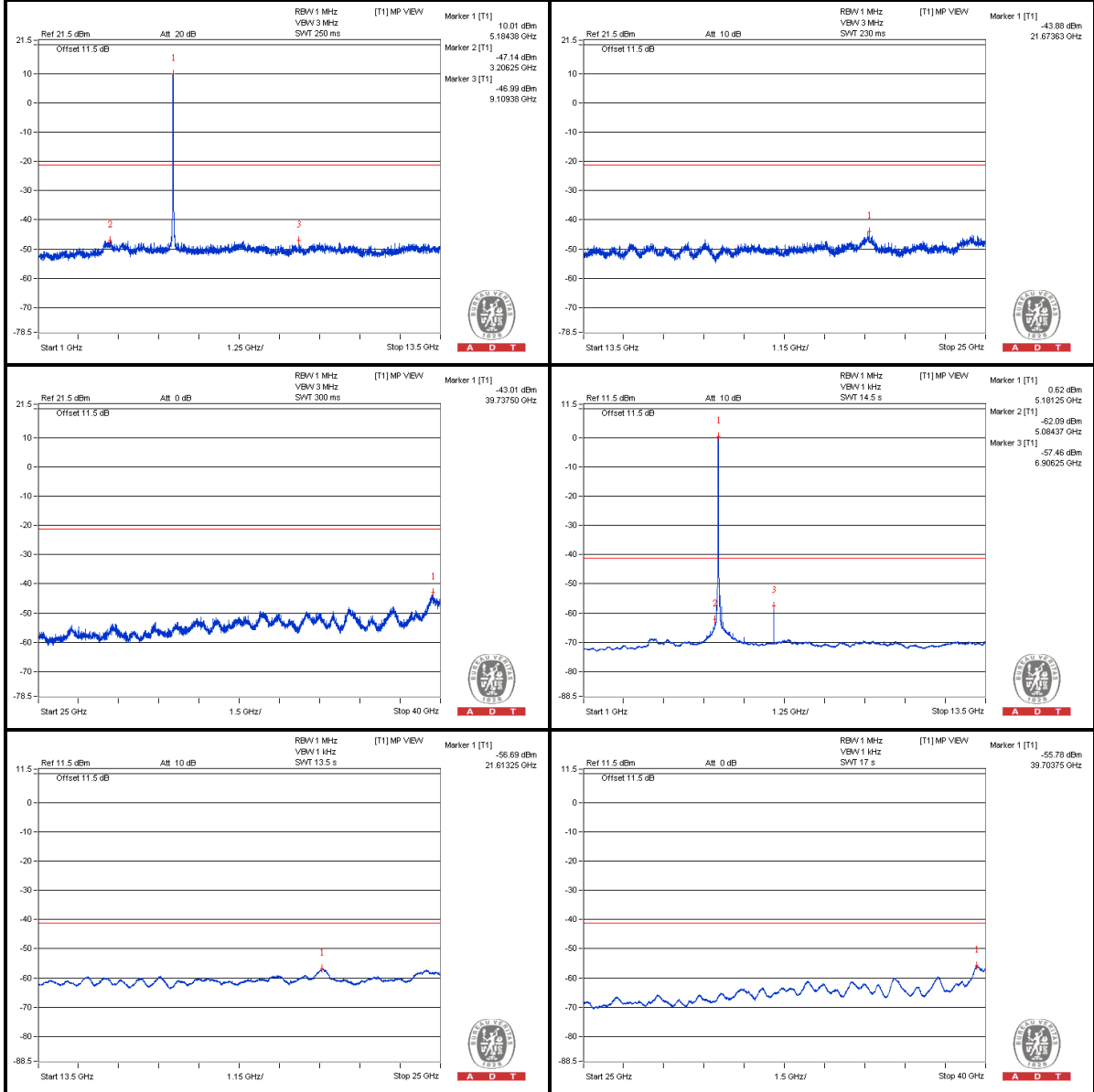






A D T

### Chain (1)



**Bandedge table**

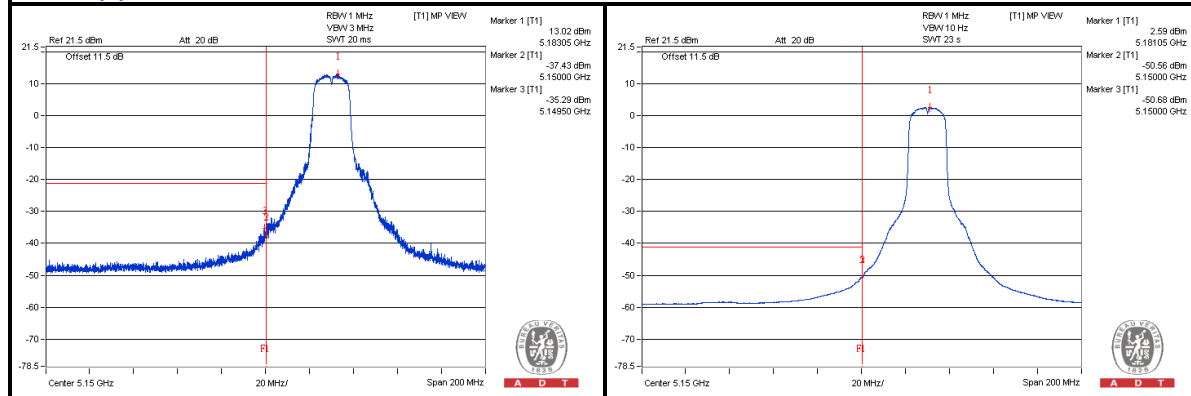
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	5149.1 PK	67.31	74	-6.69	-35.67	-39.1	6.09	-27.95
2	5150 AV	52.5	54	-1.5	-50.68	-53.5	6.09	-42.76

Note :

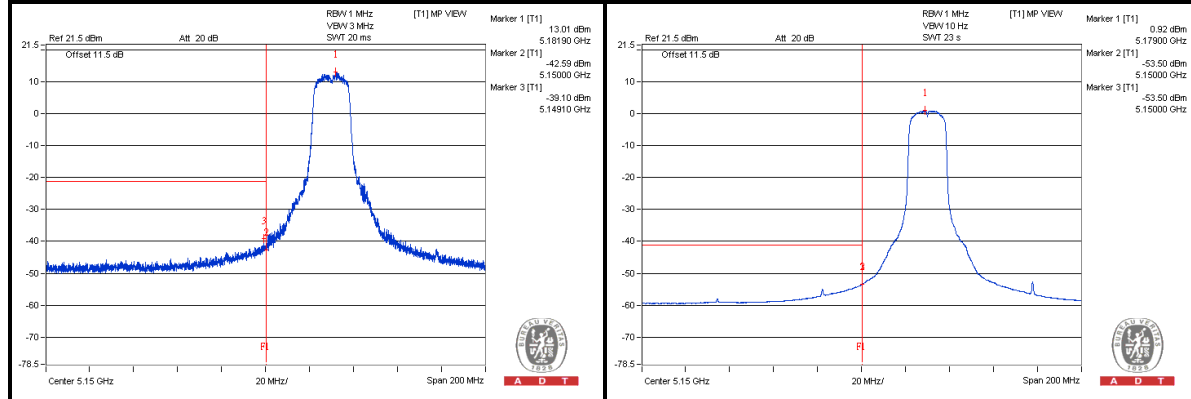
$$\text{Emission Level (dBuV/m)} = \text{EIRP Level (dBm)} - 20\log(d) + 104.8$$

d = measurement distance in 3 meters.

**Chain (0)**



**Chain (1)**





A D T

## 802.11a - Channel 40

### Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3481.25 PK	55.31	74	-18.69	-48.31	-49.94	6.09	-39.95
2	3446.875 AV	33.87	54	-20.13	-70.42	-70.56	6.09	-61.39
3	6934.375 PK	57.91	74	-16.09	-44.93	-48.8	6.09	-37.35
4	6934.375 AV	52.19	54	-1.81	-49.66	-58.84	6.09	-43.07
5	10409.375 PK	55.18	74	-18.82	-48.97	-49.41	6.09	-40.08
6	10400 AV	34.19	54	-19.81	-70.13	-70.21	6.09	-61.07
7	15595.875 PK	55.97	74	-18.03	-47.44	-49.6	6.09	-39.29
8	15598.75 AV	44.2	54	-9.8	-59.37	-61.12	6.09	-51.06

Note :

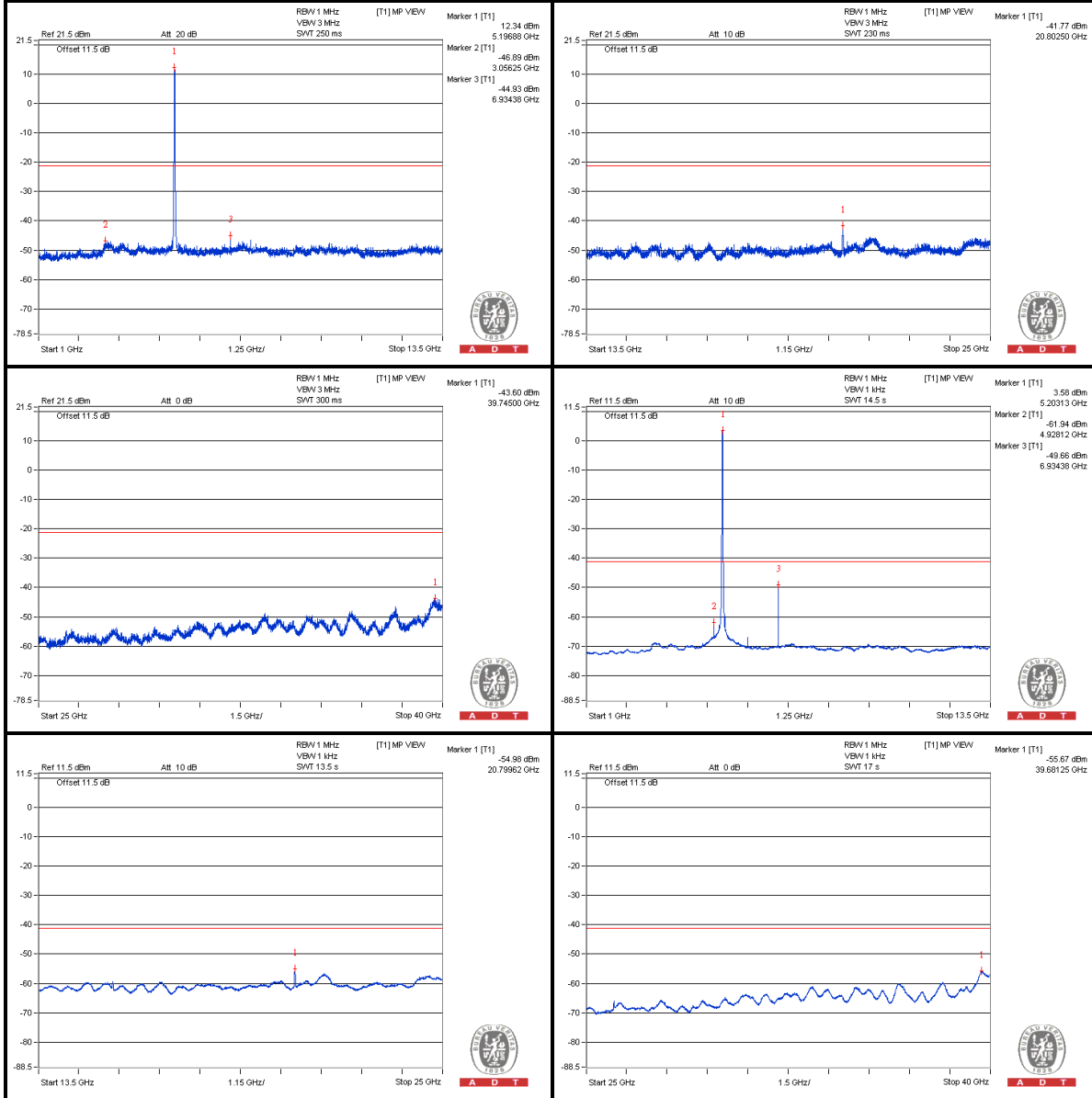
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.

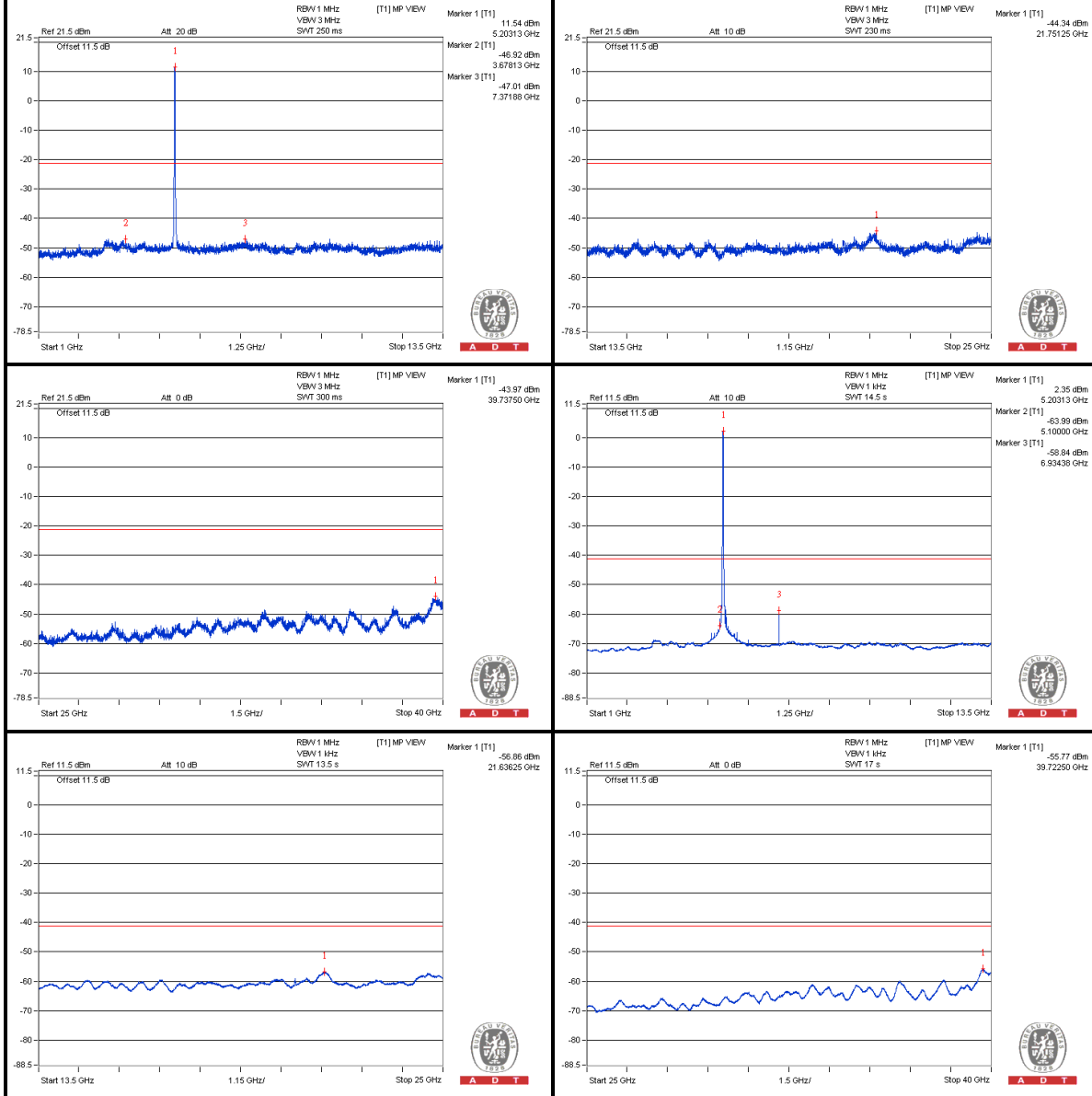


A D T

### Chain (0)



### Chain (1)



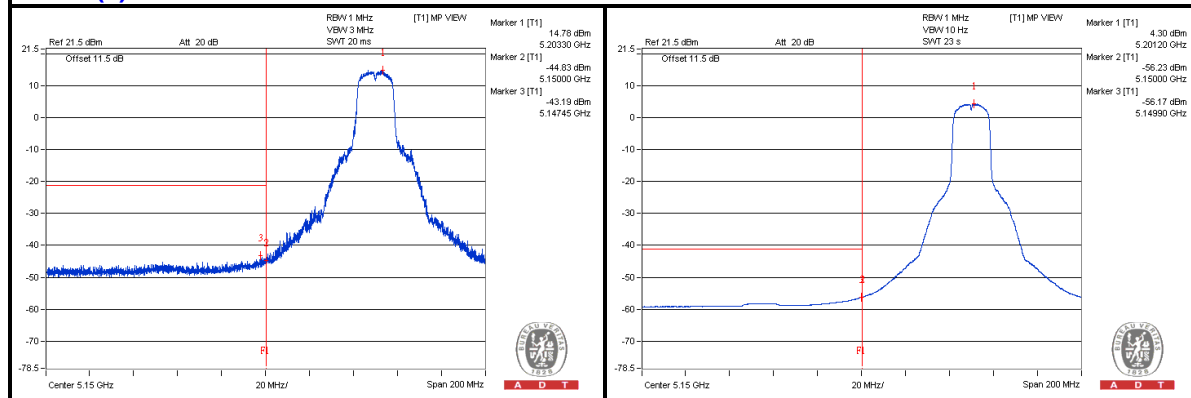
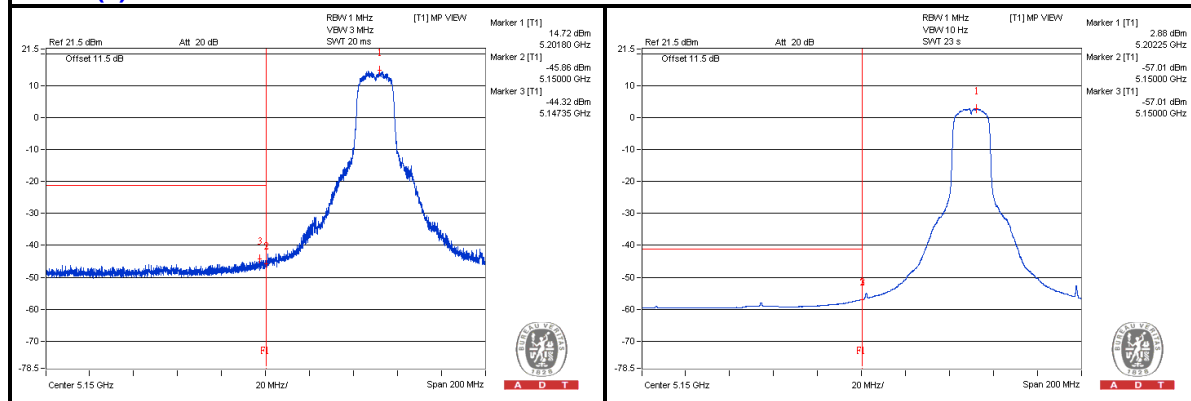
**Bandedge table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	5148.35 PK	59.83	74	-14.17	-43.71	-45.54	6.09	-35.43
2	5149.9 AV	47.78	54	-6.22	-56.17	-57.04	6.09	-47.48

Note :

$$\text{Emission Level (dBuV/m)} = \text{EIRP Level (dBm)} - 20\log(d) + 104.8$$

d = measurement distance in 3 meters.

**Chain (0)**

**Chain (1)**




A D T

### 802.11a - Channel 48

#### Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3512.5 PK	55.51	74	-18.49	-49.06	-48.65	6.09	-39.75
2	3509.375 AV	34.23	54	-19.77	-70.04	-70.22	6.09	-61.03
3	6987.5 PK	57.43	74	-16.57	-45.56	-48.93	6.09	-37.83
4	6987.5 AV	52.05	54	-1.95	-49.68	-60.06	6.09	-43.21
5	10500 PK	53.99	74	-20.01	-49.95	-50.83	6.09	-41.27
6	10481.25 AV	34.17	54	-19.83	-70.19	-70.2	6.09	-61.09
7	15719.5 PK	55.7	74	-18.3	-47.36	-50.53	6.09	-39.56
8	15719.5 AV	44.15	54	-9.85	-59.4	-61.21	6.09	-51.11

Note :

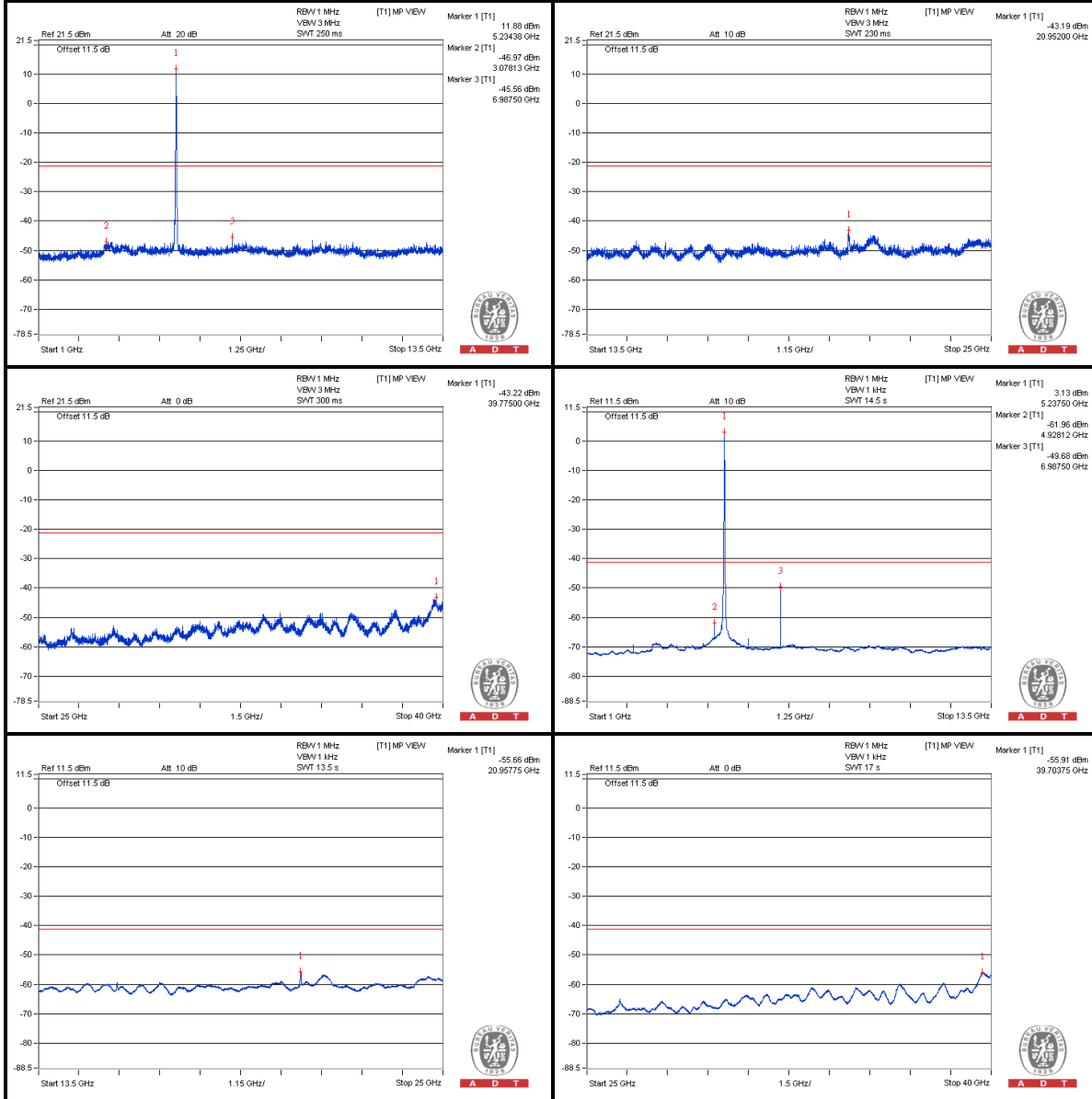
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.



A D T

### Chain (0)

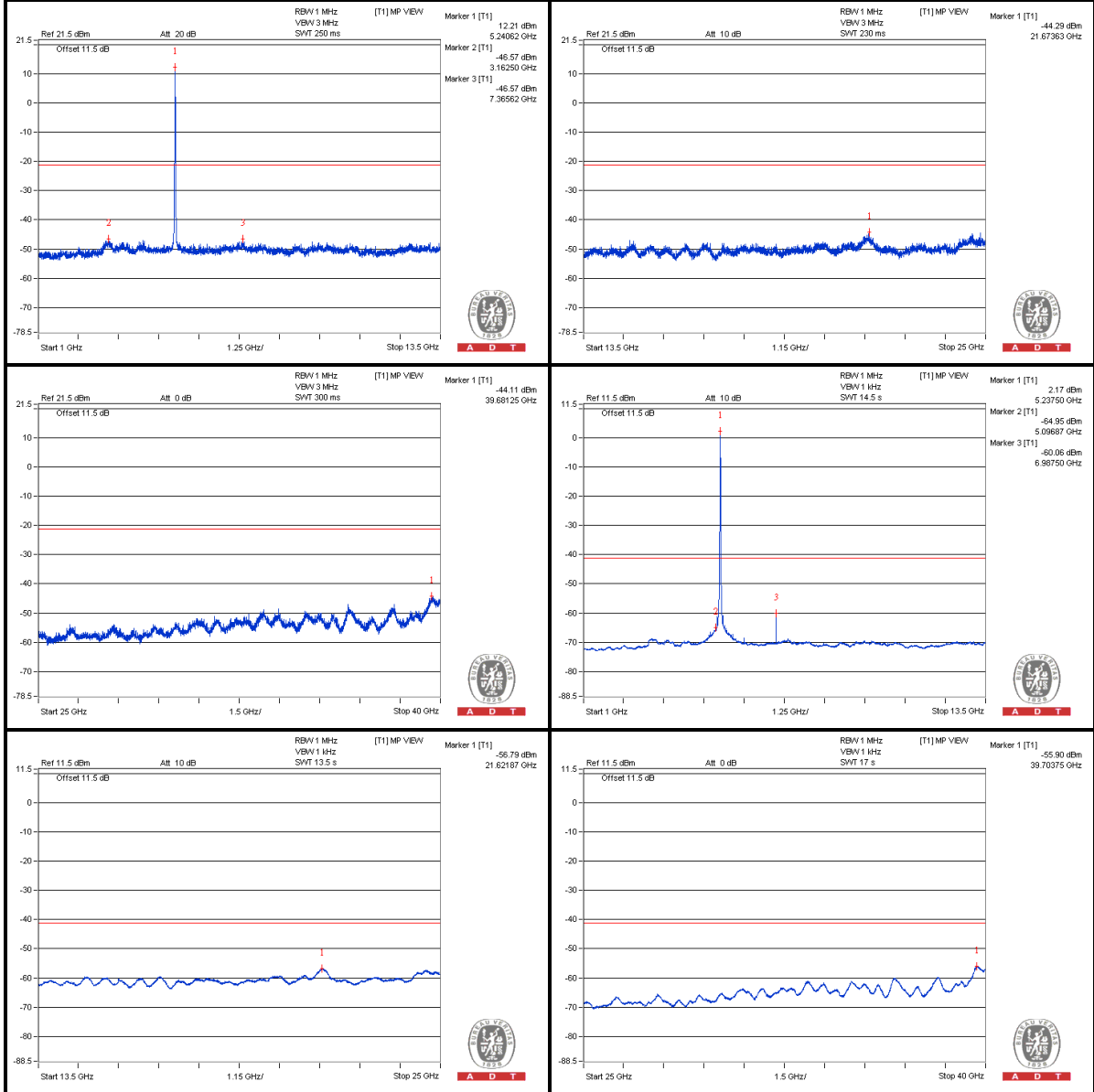






A D T

### Chain (1)



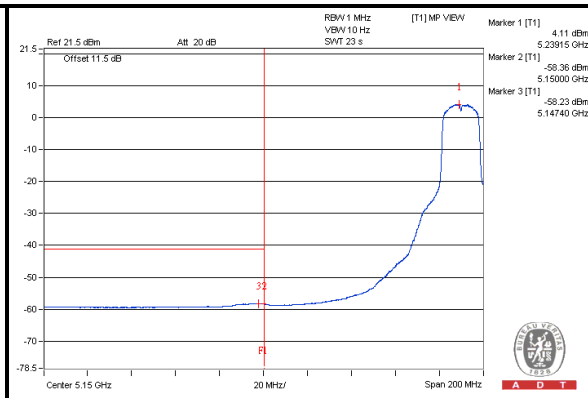
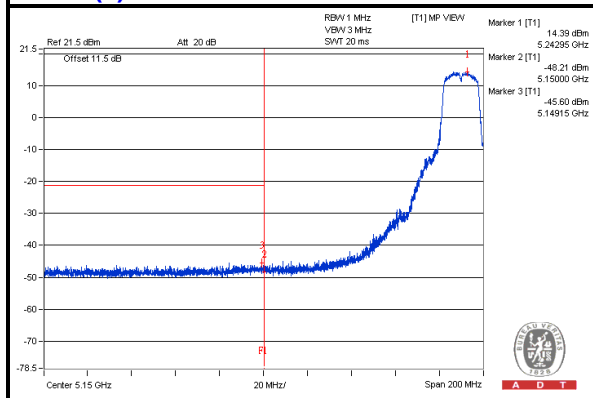
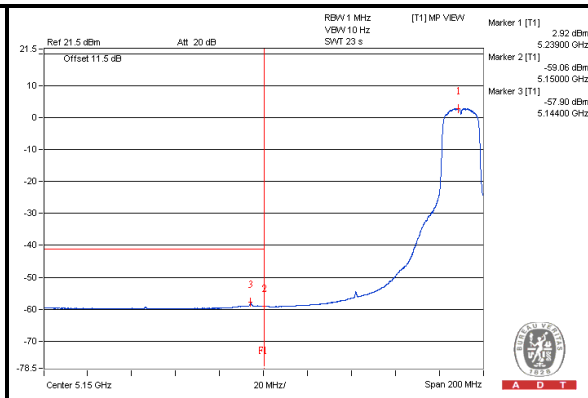
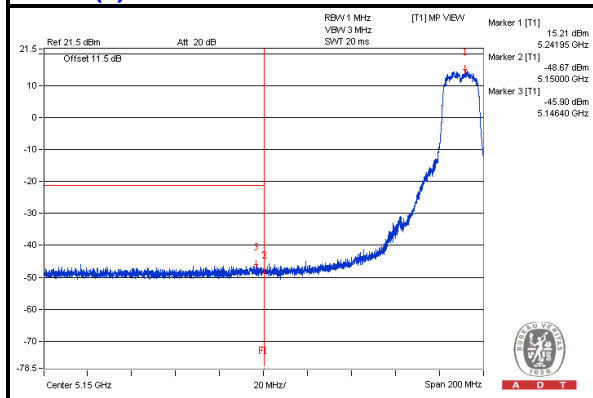
**Bandedge table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	5147 PK	57.84	74	-16.16	-46.91	-46.17	6.09	-37.42
2	5144 AV	46.24	54	-7.76	-58.35	-57.9	6.09	-49.02

Note :

$$\text{Emission Level (dBuV/m)} = \text{EIRP Level (dBm)} - 20\log(d) + 104.8$$

d = measurement distance in 3 meters.

**Chain (0)**

**Chain (1)**




A D T

### 802.11a - Channel 52

#### Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3518.75 PK	55.65	74	-18.35	-49.89	-47.79	6.09	-39.61
2	3521.875 AV	34.43	54	-19.57	-69.8	-70.06	6.09	-60.83
3	7012.5 PK	57.03	74	-16.97	-45.67	-50.04	6.09	-38.23
4	7012.5 AV	50.82	54	-3.18	-50.88	-61.66	6.09	-44.44
5	10506.25 PK	54.6	74	-19.4	-49.92	-49.6	6.09	-40.66
6	10521.875 AV	34.2	54	-19.8	-70.05	-70.27	6.09	-61.06
7	15788.5 PK	55.89	74	-18.11	-48	-49	6.09	-39.37
8	15782.75 AV	45.19	54	-8.81	-58.25	-60.33	6.09	-50.07

Note :

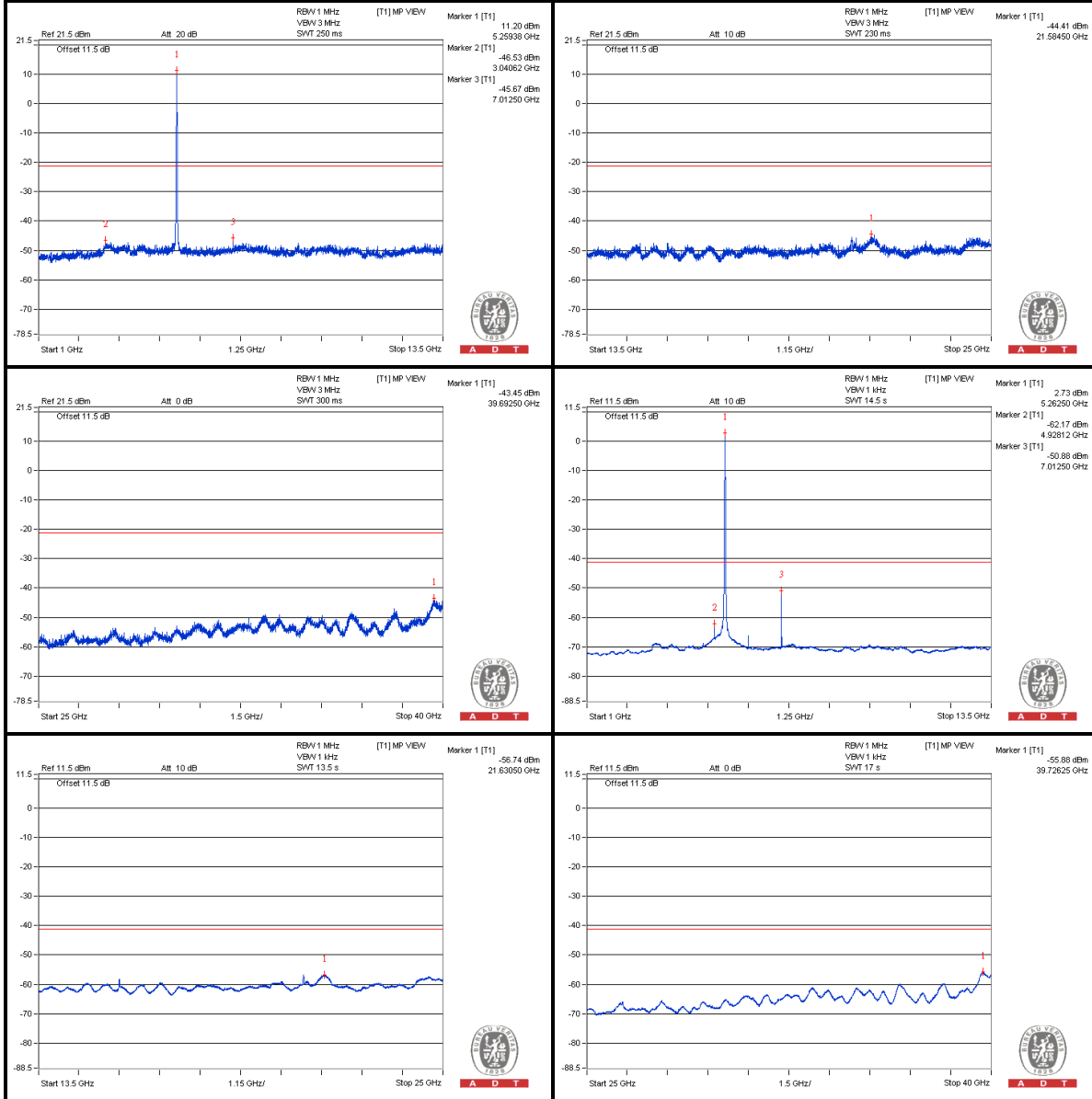
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.



A D T

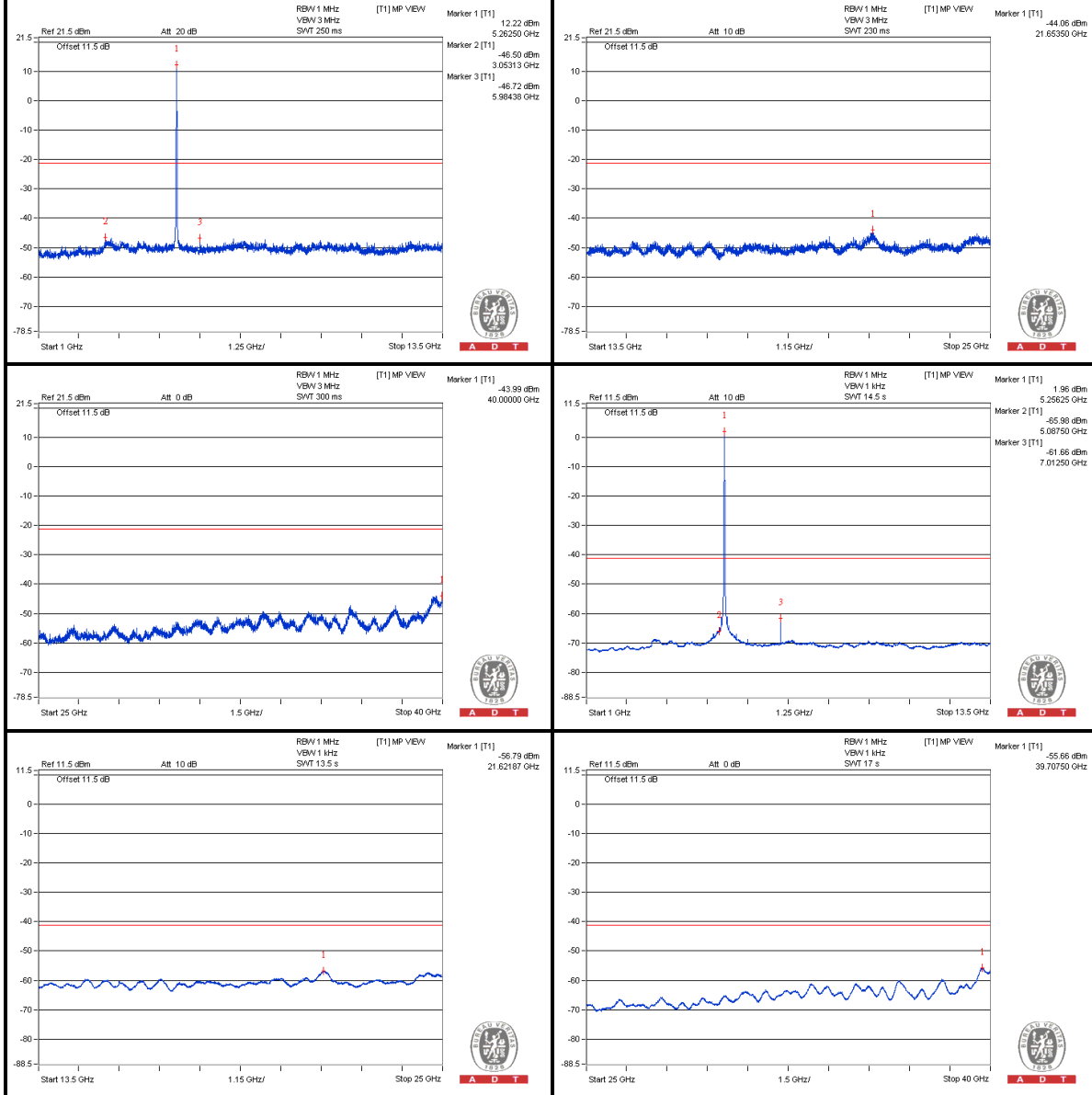
### Chain (0)





A D T

### Chain (1)





A D T

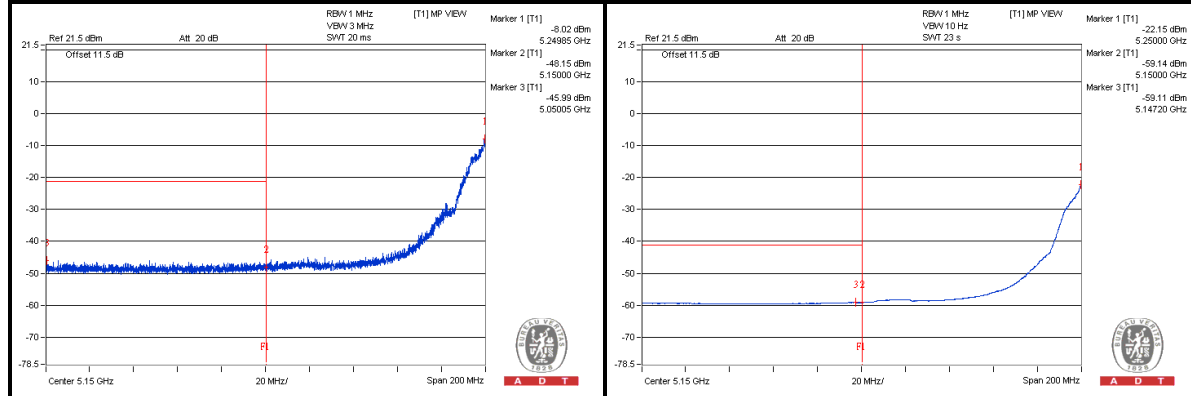
**Bandedge table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	5355.95 PK	58.58	74	-15.42	-47.01	-44.82	6.09	-36.68
2	5356.05 AV	46.27	54	-7.73	-58.78	-57.49	6.09	-48.99

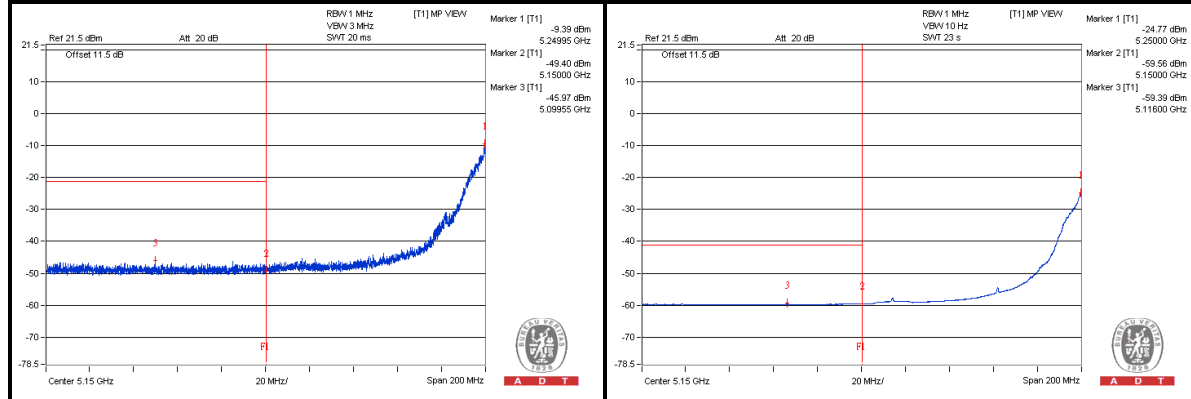
Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8  
d = measurement distance in 3 meters.

**Chain (0)**



**Chain (1)**





A D T

### 802.11a - Channel 60

#### Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3518.75 PK	56.55	74	-17.45	-49.77	-46.46	6.09	-38.71
2	3540.625 AV	34.75	54	-19.25	-69.54	-69.69	6.09	-60.51
3	7068.75 PK	57.85	74	-16.15	-45.56	-47.72	6.09	-37.41
4	7065.625 AV	50.37	54	-3.63	-51.14	-65.4	6.09	-44.89
5	10603.125 PK	54.64	74	-19.36	-49.88	-49.56	6.09	-40.62
6	10603.125 AV	34.26	54	-19.74	-69.93	-70.27	6.09	-61
7	15900.625 PK	57.11	74	-16.89	-45.74	-49.57	6.09	-38.15
8	15897.75 AV	46.13	54	-7.87	-56.78	-60.42	6.09	-49.13

Note :

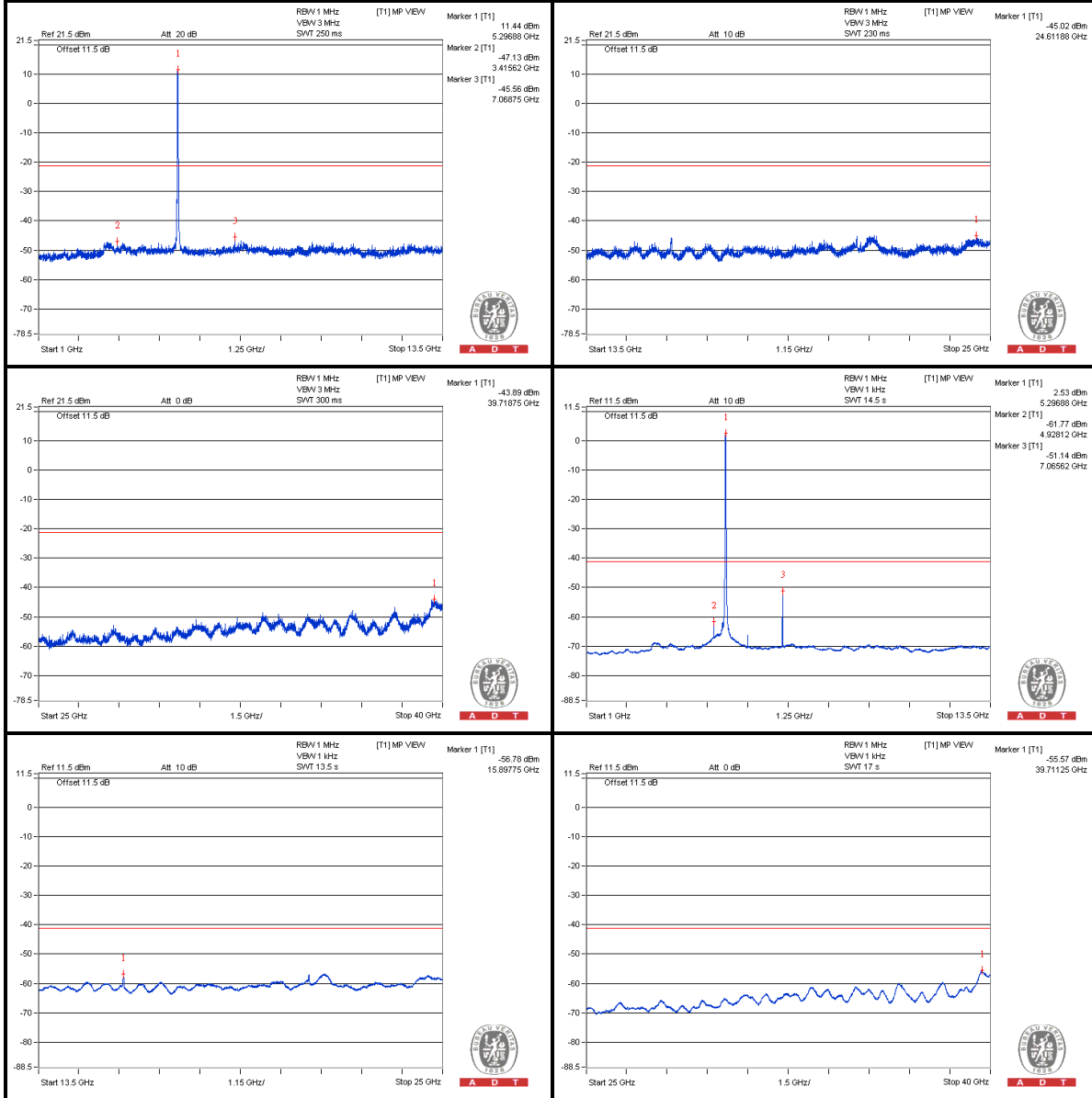
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.



A D T

### Chain (0)

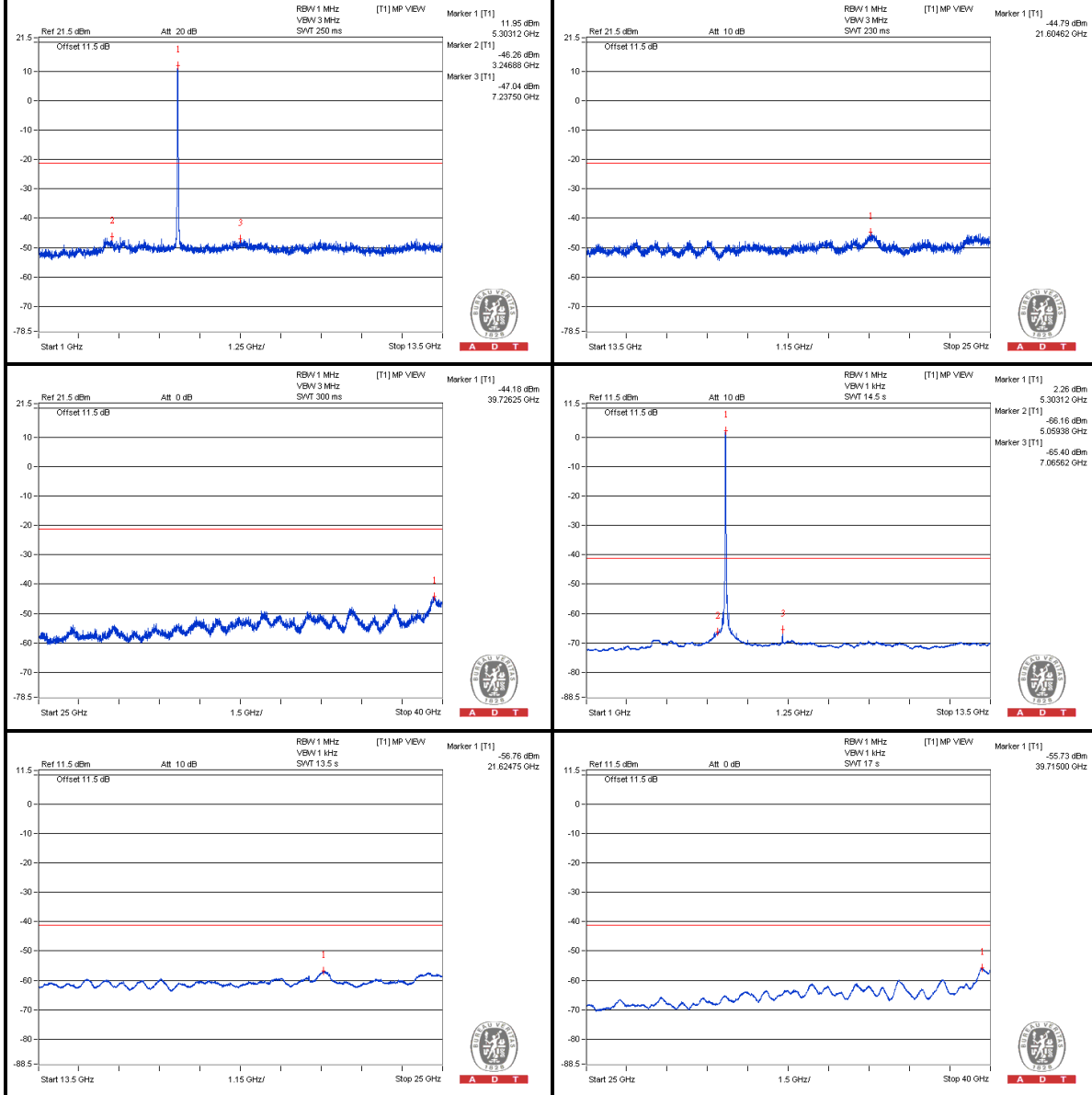






A D T

### Chain (1)

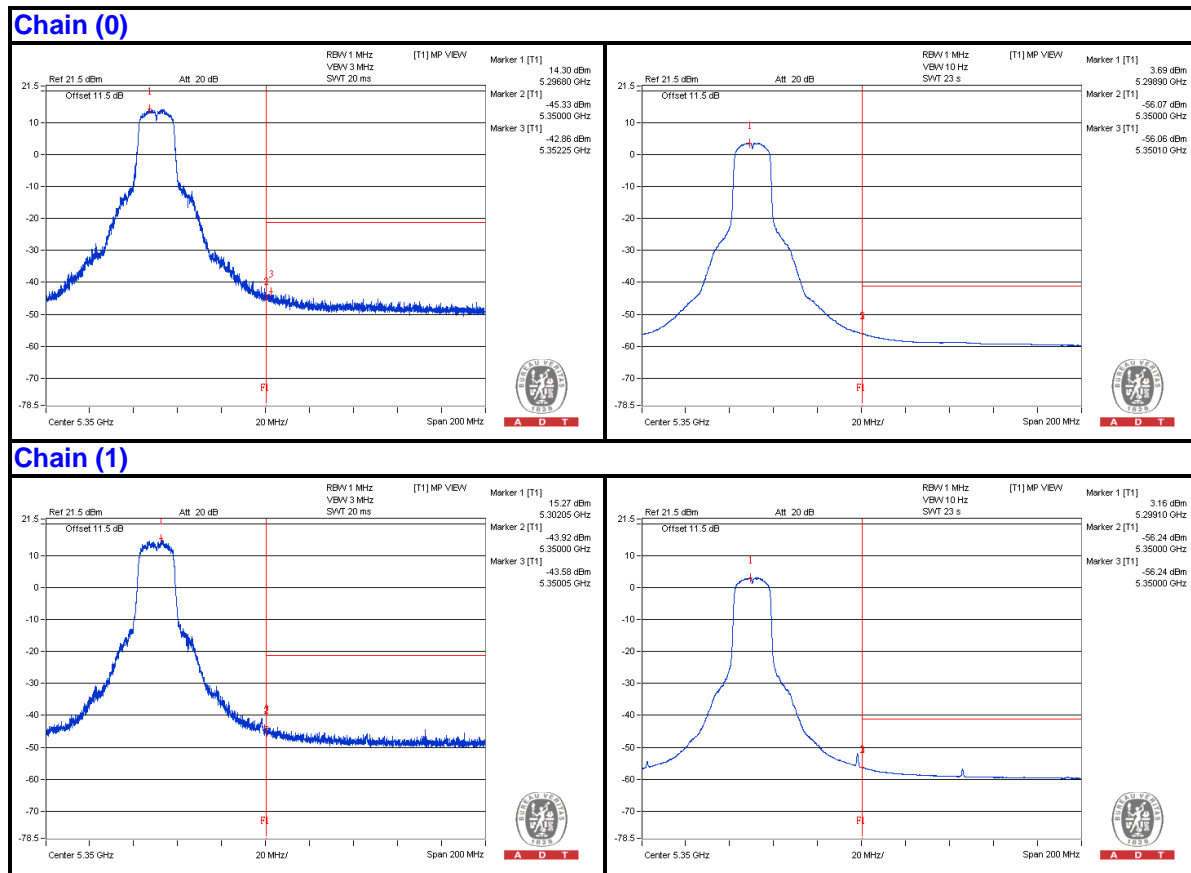


**Bandedge table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	5351.6 PK	60.36	74	-13.64	-44.13	-43.88	6.09	-34.9
2	5350 AV	48.21	54	-5.79	-56.07	-56.24	6.09	-47.05

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8  
d = measurement distance in 3 meters.





A D T

### 802.11a - Channel 64

#### Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3565.625 PK	56.5	74	-17.5	-47.34	-48.45	6.09	-38.76
2	3565.625 AV	34.86	54	-19.14	-69.61	-69.4	6.09	-60.4
3	7093.75 PK	57.53	74	-16.47	-45.14	-49.65	6.09	-37.73
4	7093.75 AV	50.58	54	-3.42	-50.93	-65.07	6.09	-44.68
5	10656.25 PK	54.57	74	-19.43	-49.25	-50.4	6.09	-40.69
6	10640.625 AV	34.2	54	-19.8	-70.33	-69.99	6.09	-61.06
7	15955.25 PK	55.34	74	-18.66	-48.02	-50.33	6.09	-39.92
8	15958.125 AV	43.92	54	-10.08	-59.55	-61.55	6.09	-51.34

Note :

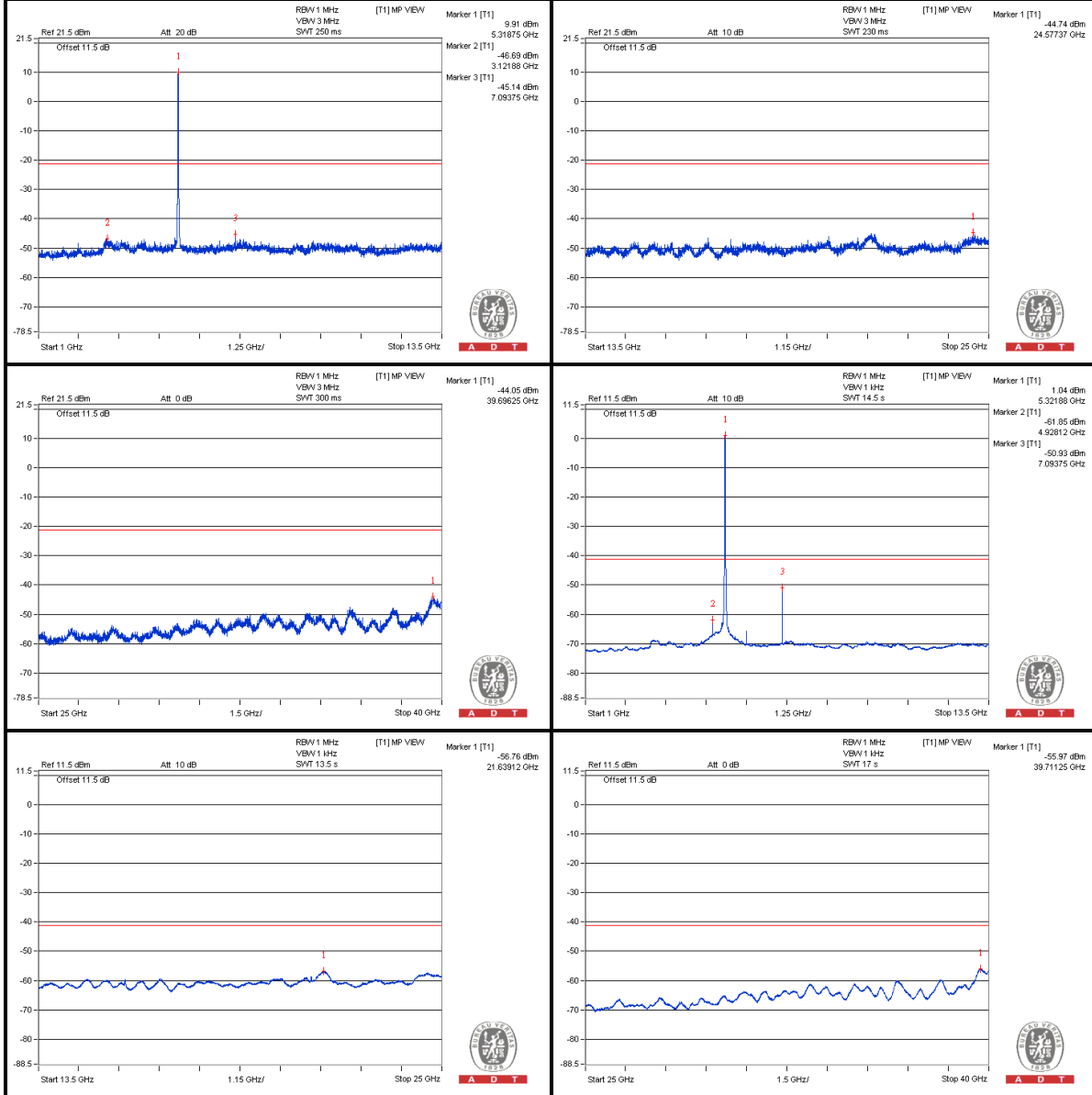
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.



A D T

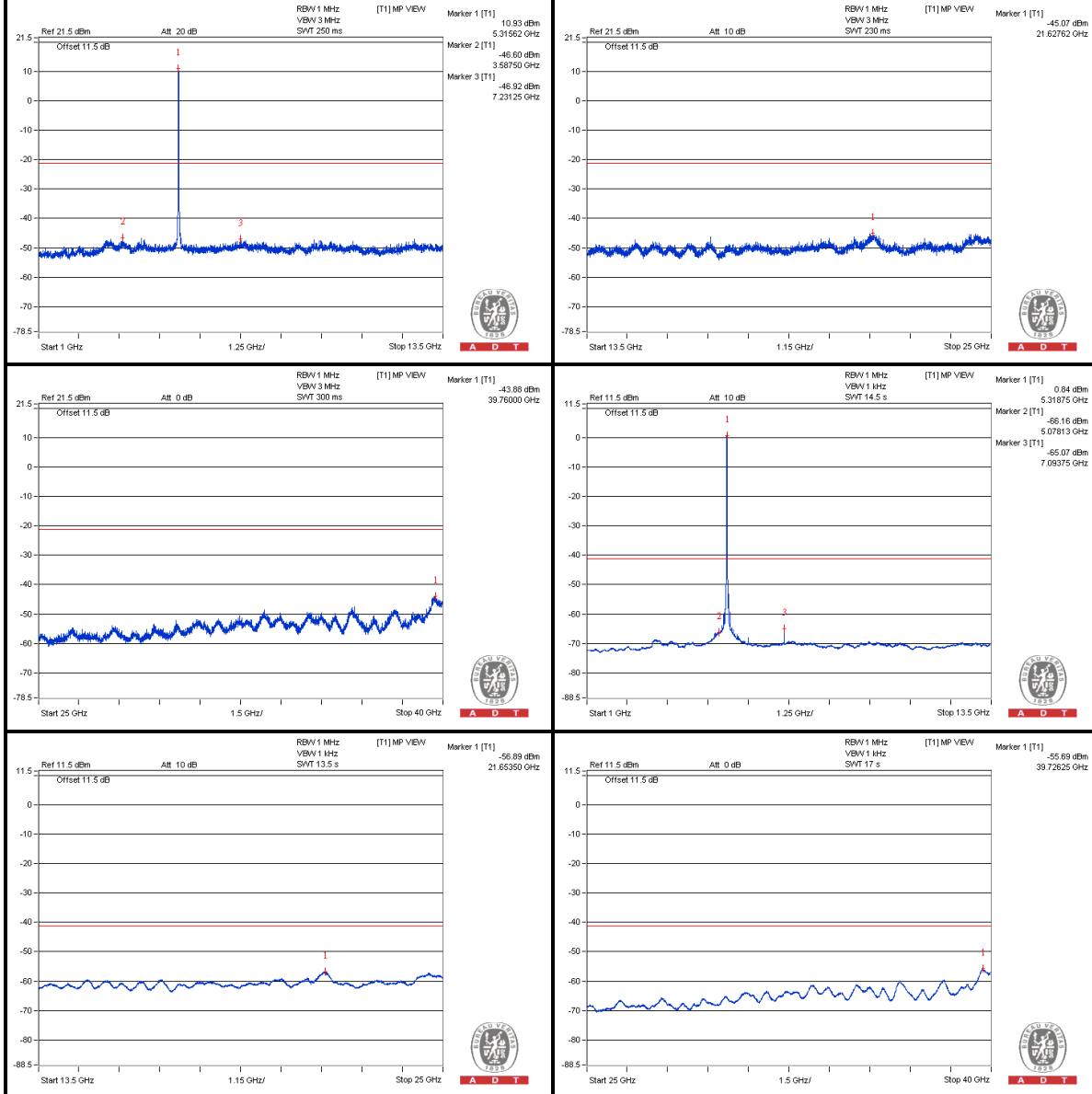
### Chain (0)





A D T

### Chain (1)



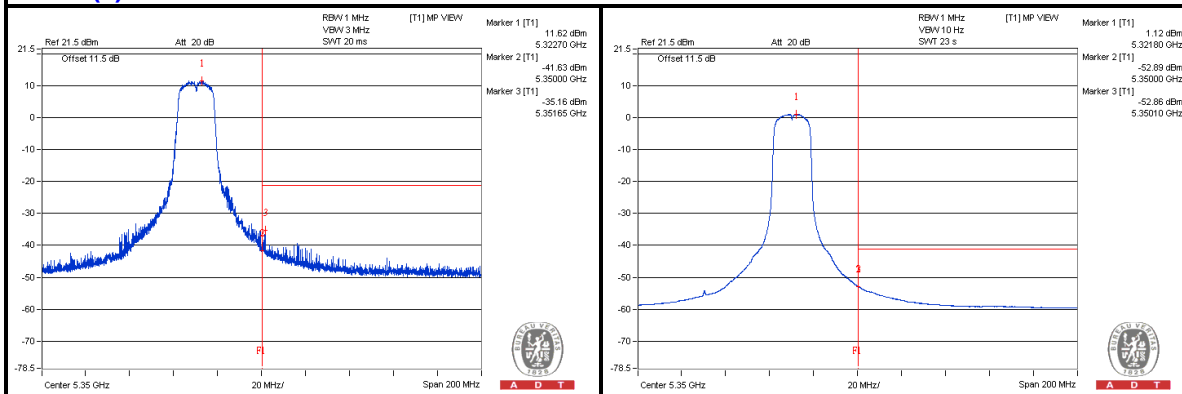
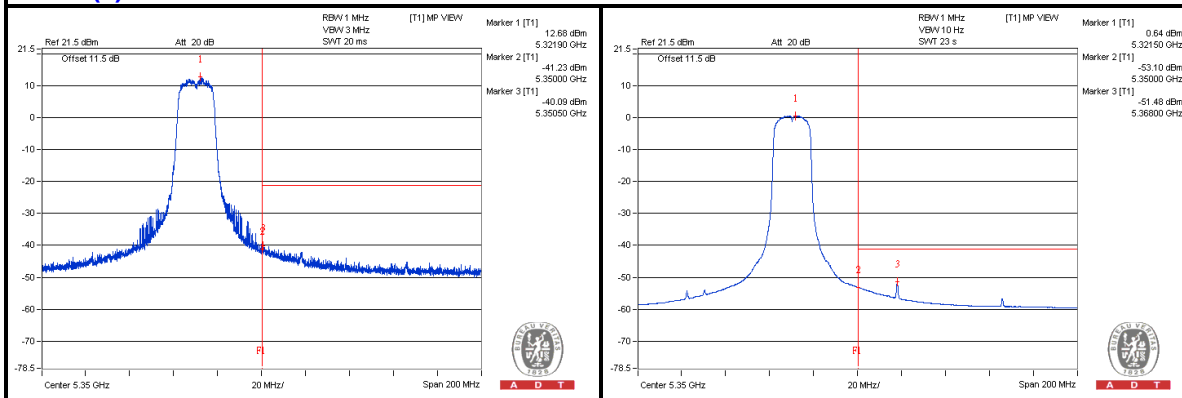
**Bandedge table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	5351.65 PK	67.05	74	-6.95	-35.16	-41.74	6.09	-28.21
2	5350.1 AV	51.38	54	-2.62	-52.86	-53.11	6.09	-43.88

Note :

$$\text{Emission Level (dBuV/m)} = \text{EIRP Level (dBm)} - 20\log(d) + 104.8$$

d = measurement distance in 3 meters.

**Chain (0)**

**Chain (1)**




A D T

### 802.11a - Channel 100

#### Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3646.875 PK	57.35	74	-16.65	-48.11	-49.35	7.77	-37.91
2	3659.375 AV	36.3	54	-17.7	-69.62	-69.86	7.77	-58.96
3	7334.375 PK	58.23	74	-15.77	-46.89	-48.98	7.77	-37.03
4	7334.375 AV	48.59	54	-5.41	-54.71	-66.58	7.77	-46.67
5	10990.625 PK	55.14	74	-18.86	-51.7	-50.23	7.77	-40.12
6	11000 AV	35.3	54	-18.7	-71.15	-70.36	7.77	-59.96
7	16501.5 PK	58.57	74	-15.43	-46.29	-49.11	7.77	-36.69
8	16498.625 AV	47.04	54	-6.96	-57.72	-60.82	7.77	-48.22

Note :

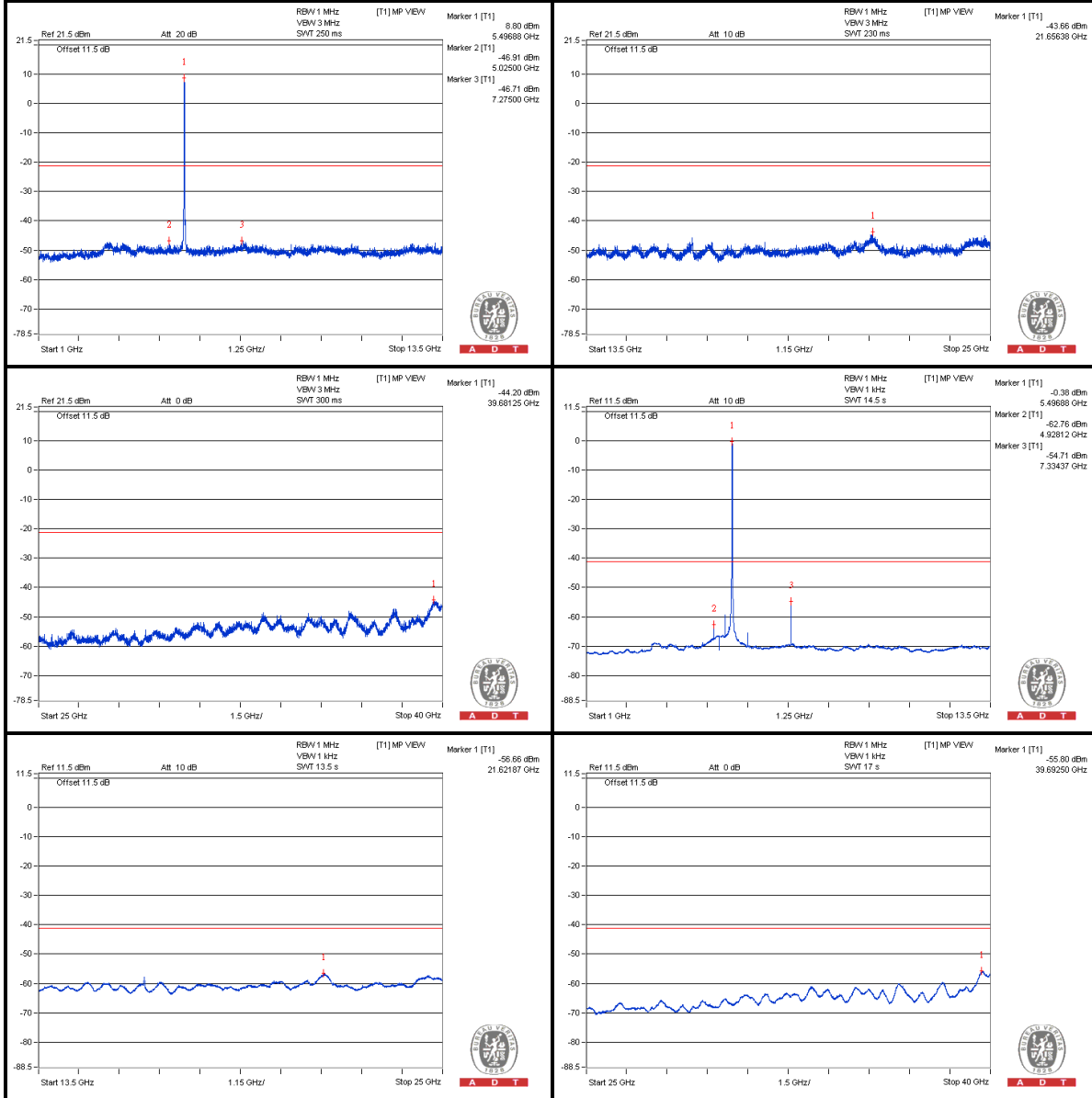
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.



A D T

### Chain (0)

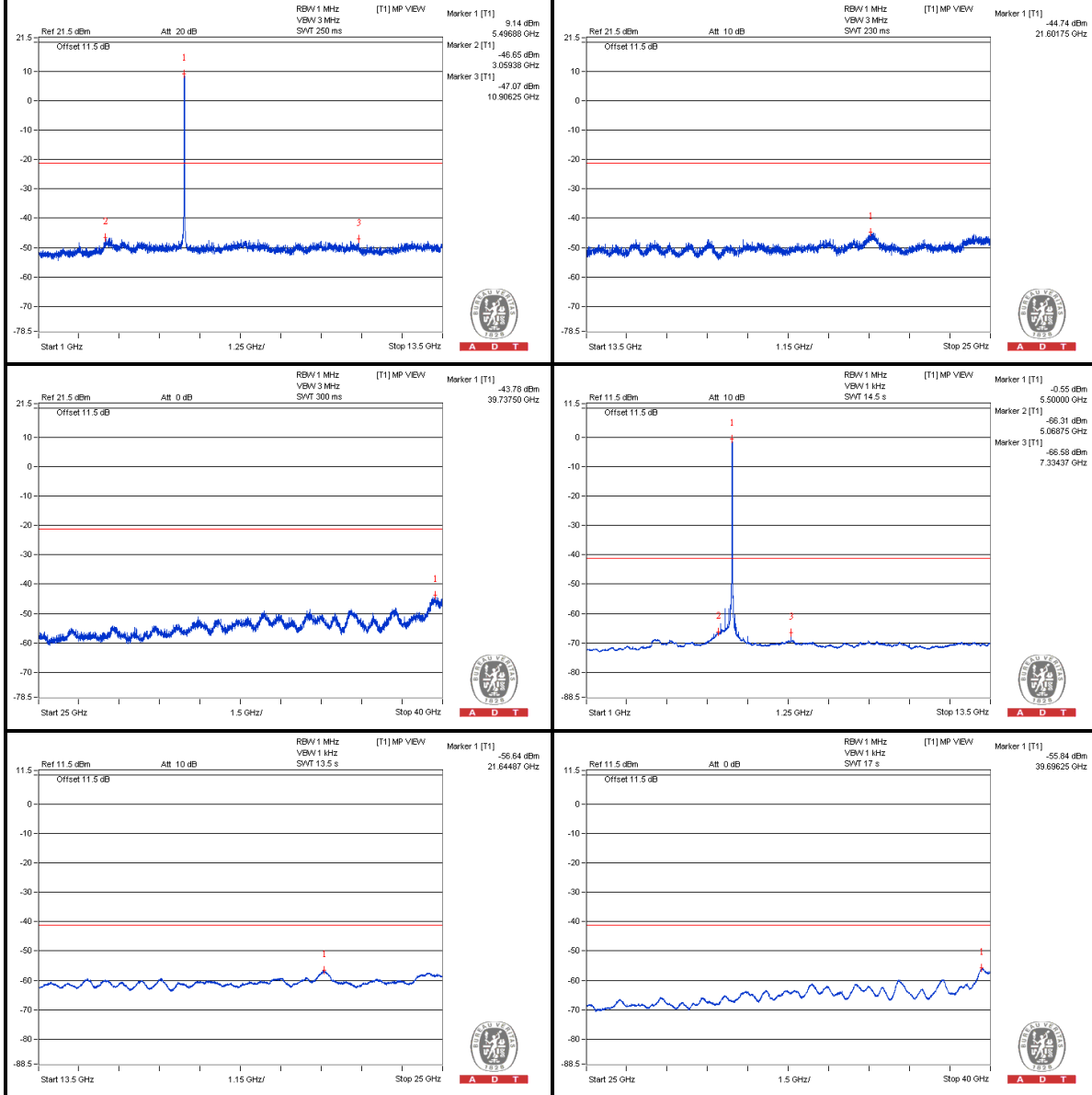






A D T

### Chain (1)



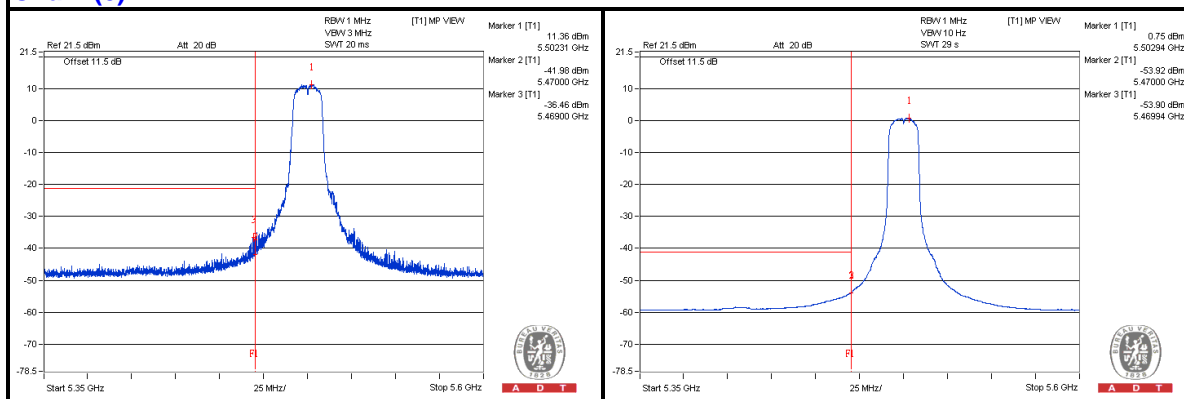
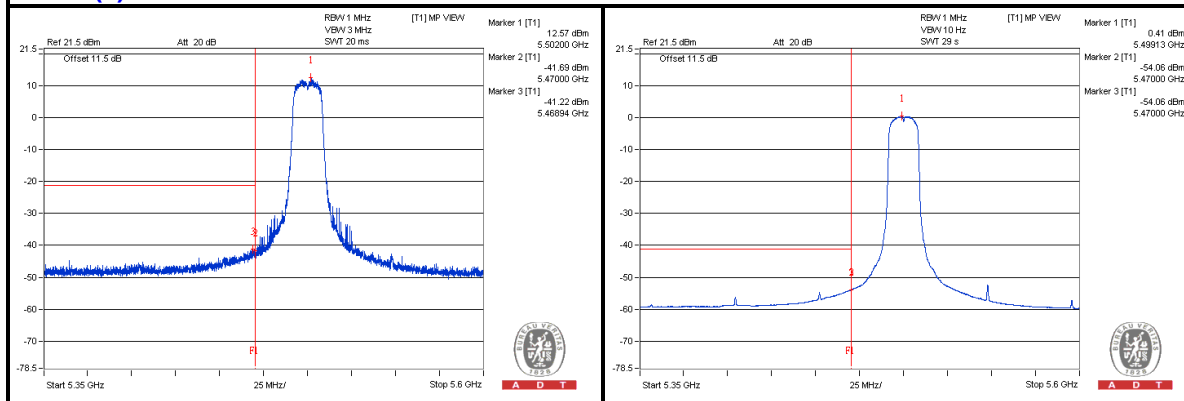
**Bandedge table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	5469 PK	67.68	74	-6.32	-36.46	-41.81	7.77	-27.58
2	5469.9375 AV	52.06	54	-1.94	-53.9	-54.06	7.77	-43.2

Note :

$$\text{Emission Level (dBuV/m)} = \text{EIRP Level (dBm)} - 20\log(d) + 104.8$$

d = measurement distance in 3 meters.

**Chain (0)**

**Chain (1)**




A D T

### 802.11a - Channel 120

#### Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3721.875 PK	56.93	74	-17.07	-49.54	-48.72	7.77	-38.33
2	3737.5 AV	36.18	54	-17.82	-69.89	-69.83	7.77	-59.08
3	7471.875 PK	56.93	74	-17.07	-49.29	-48.94	7.77	-38.33
4	7465.625 AV	44.75	54	-9.25	-58.61	-69.59	7.77	-50.51
5	11215.625 PK	55.53	74	-18.47	-50.38	-50.65	7.77	-39.73
6	11200 AV	36.37	54	-17.63	-69.77	-69.58	7.77	-58.89
7	16800.5 PK	69.64	74	-4.36	-33.48	-50.45	7.77	-25.62
8	16800.5 AV	56.95	54	* 2.95	-46.23	-60.72	7.77	-38.31

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

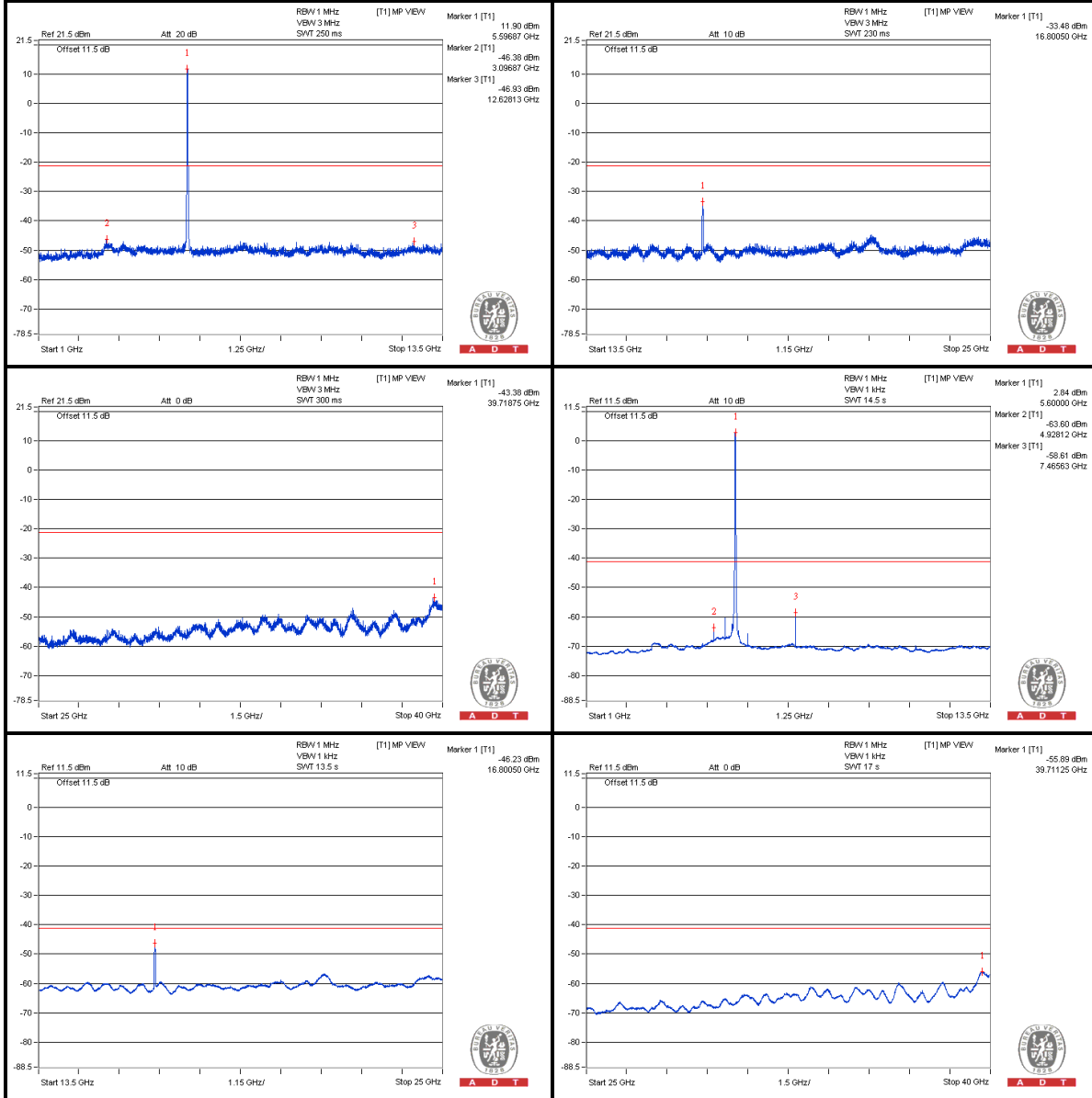
d = measurement distance in 3 meters.

\* The unwanted emission was verified and the test result was passed by radiated measurement. (Please refer APPENDIX A)



A D T

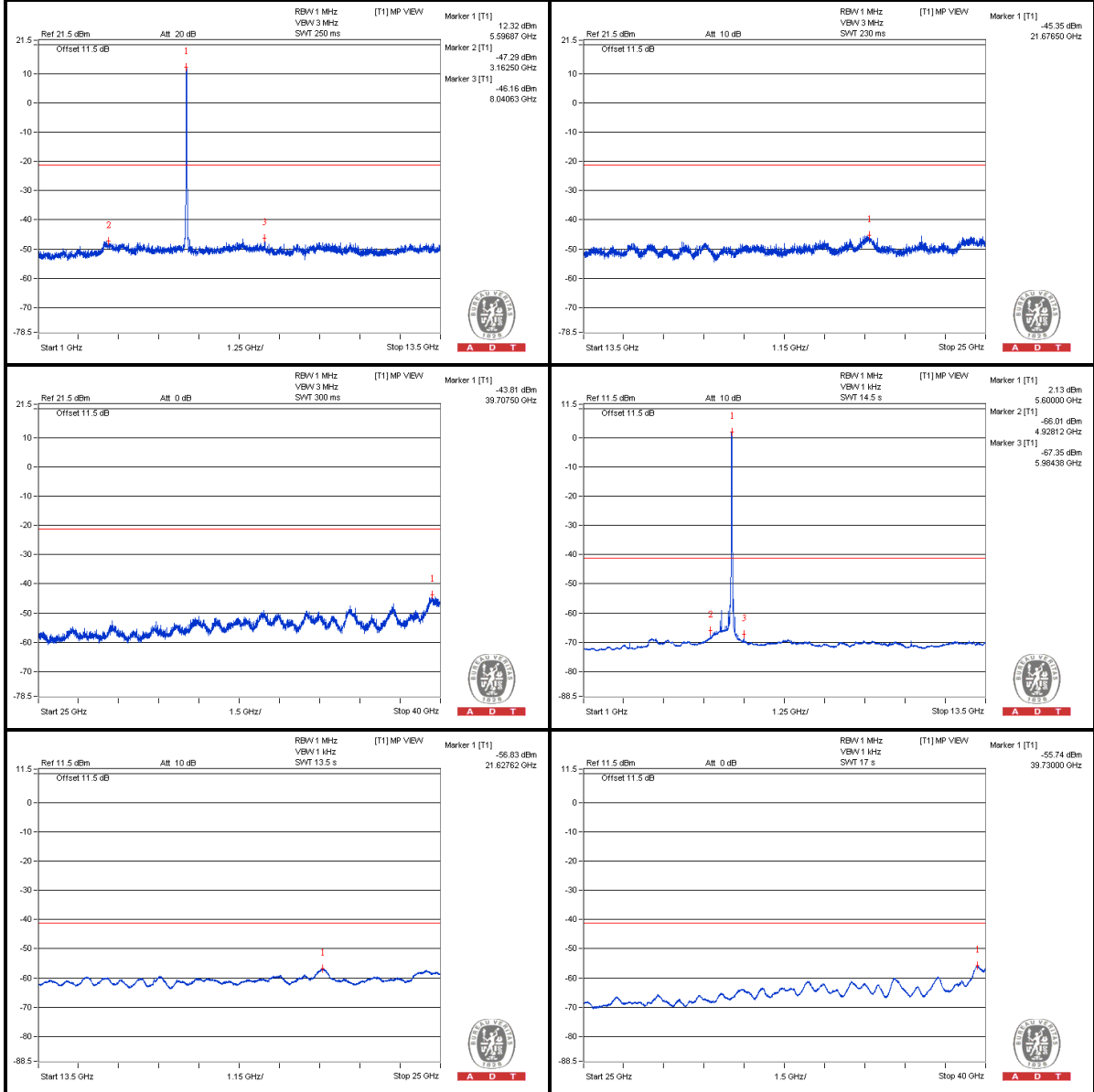
### Chain (0)





A D T

### Chain (1)



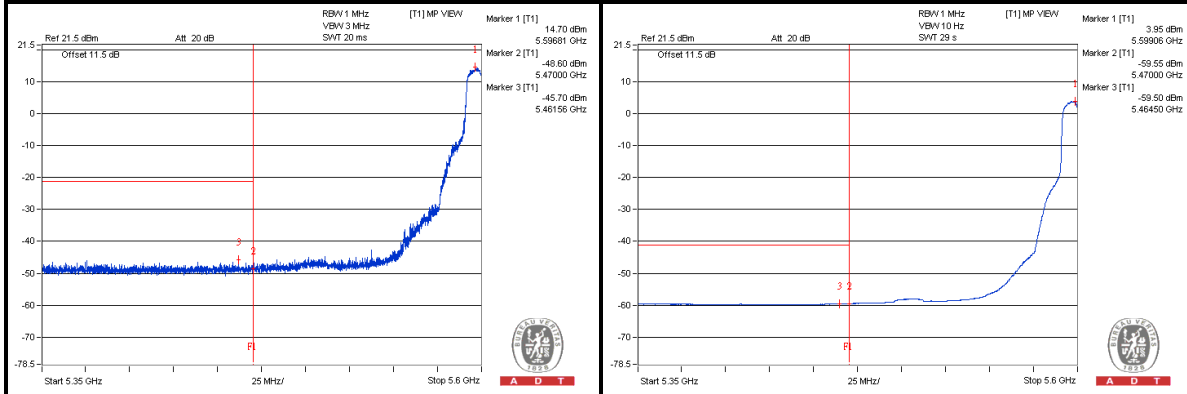
**Bandedge table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	5465.875 PK	59.41	74	-14.59	-46.72	-46.55	7.77	-35.85
2	5408 AV	46.73	54	-7.27	-59.6	-59.04	7.77	-48.53

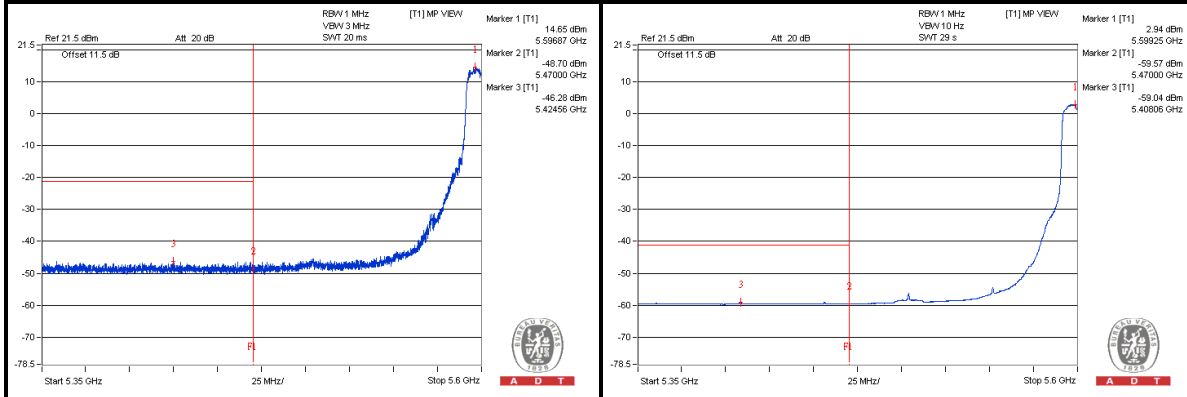
Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8  
d = measurement distance in 3 meters.

**Chain (0)**



**Chain (1)**





A D T

### 802.11a - Channel 140

#### Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3790.625 PK	57.17	74	-16.83	-47.91	-50.1	7.77	-38.09
2	3784.375 AV	35.76	54	-18.24	-70.18	-70.38	7.77	-59.5
3	7584.375 PK	56.94	74	-17.06	-49.61	-48.65	7.77	-38.32
4	7600 AV	43.85	54	-10.15	-59.5	-70.6	7.77	-51.41
5	11403.125 PK	56.53	74	-17.47	-49.83	-49.21	7.77	-38.73
6	11400 AV	35.05	54	-18.95	-71.45	-70.58	7.77	-60.21
7	17102.375 PK	61.06	74	-12.94	-42.57	-50.86	7.77	-34.2
8	17099.5 AV	49.15	54	-4.85	-54.77	-61.19	7.77	-46.11

Note :

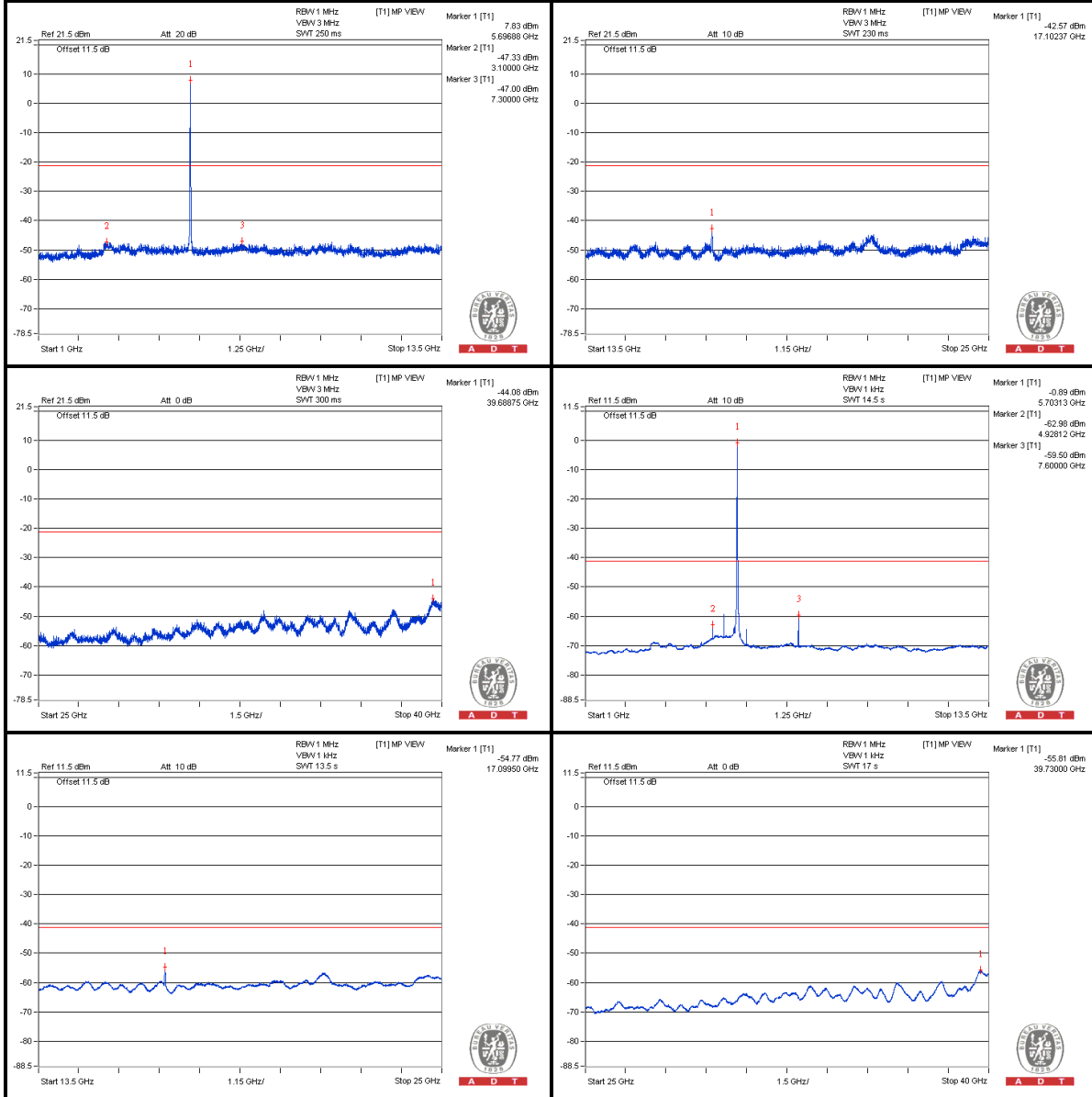
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.



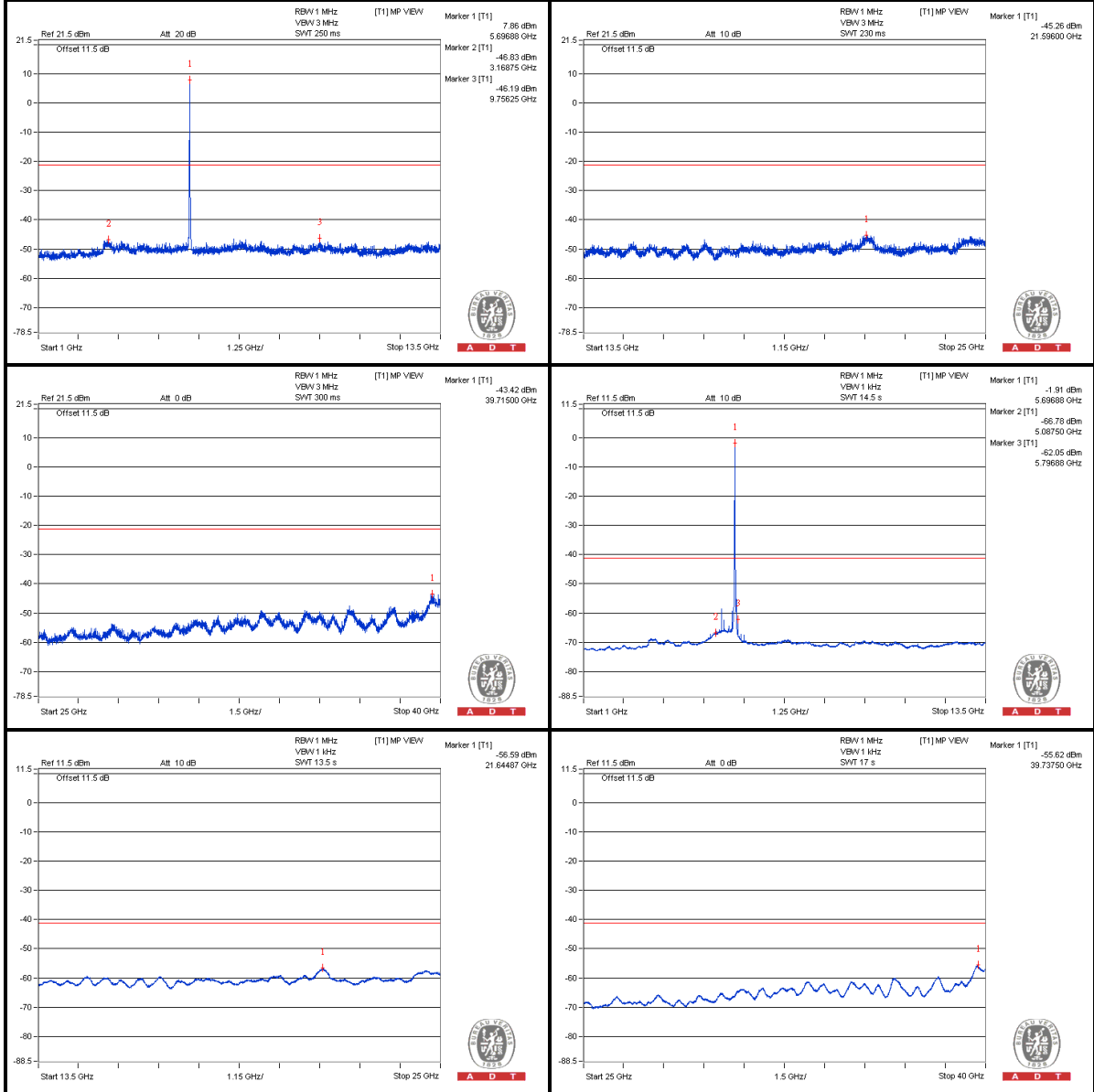
A D T

### Chain (0)





### Chain (1)



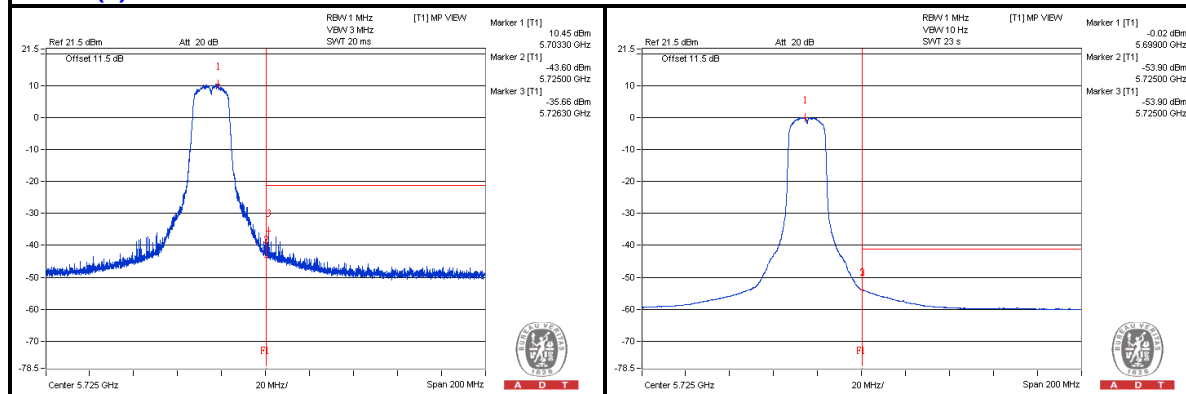
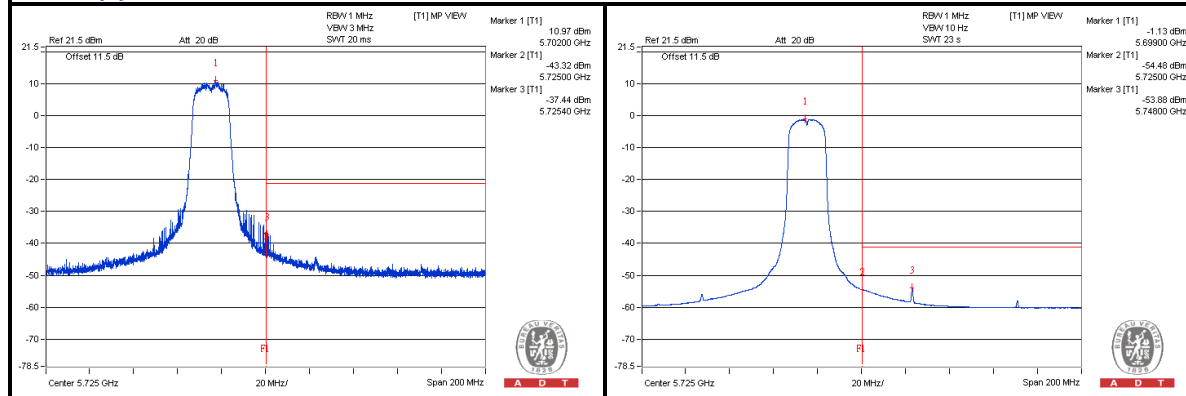
**Bandedge table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	5726.3 PK	68.15	74	-5.85	-35.66	-42.71	7.77	-27.11
2	5725 AV	51.86	54	-2.14	-53.9	-54.48	7.77	-43.4

Note :

$$\text{Emission Level (dBuV/m)} = \text{EIRP Level (dBm)} - 20\log(d) + 104.8$$

d = measurement distance in 3 meters.

**Chain (0)**

**Chain (1)**




A D T

### 802.11a - Channel 144

#### Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3796.875 PK	56.55	74	-17.45	-50.08	-48.98	7.77	-38.71
2	3793.75 AV	35.49	54	-18.51	-70.49	-70.61	7.77	-59.77
3	7618.75 PK	56.53	74	-17.47	-48.97	-50.12	7.77	-38.73
4	7628.125 AV	42.33	54	-11.67	-61.17	-70.57	7.77	-52.93
5	11431.25 PK	55.8	74	-18.2	-49.81	-50.72	7.77	-39.46
6	11440.625 AV	35.62	54	-18.38	-71.06	-69.87	7.77	-59.64
7	17159.875 PK	70.26	74	-3.74	-32.82	-52.08	7.77	-25
8	17159.875 AV	59.08	54	* 5.08	-44.02	-61.79	7.77	-36.18

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

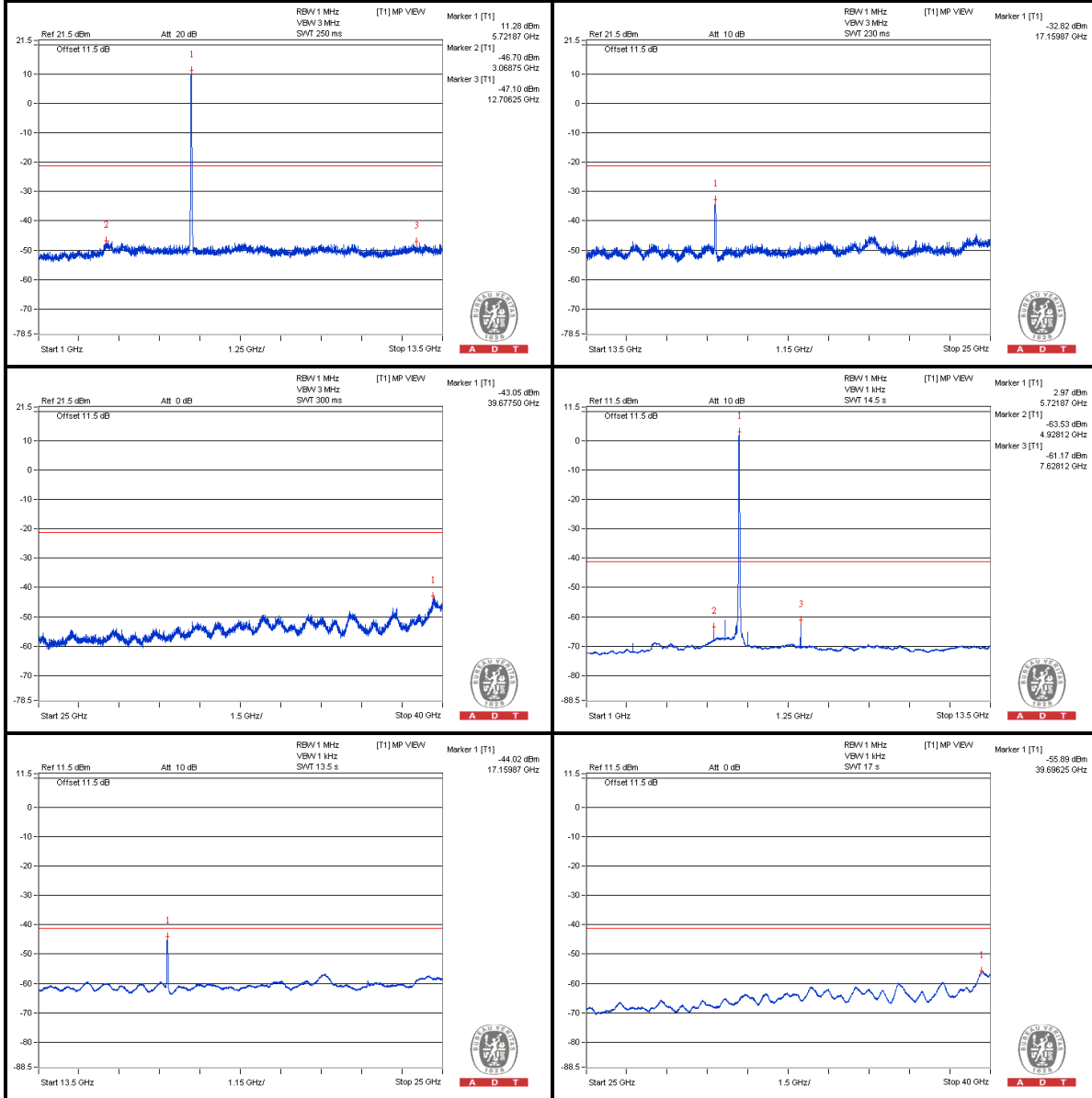
d = measurement distance in 3 meters.

\* The unwanted emission was verified and the test result was passed by radiated measurement. (Please refer APPENDIX A)



A D T

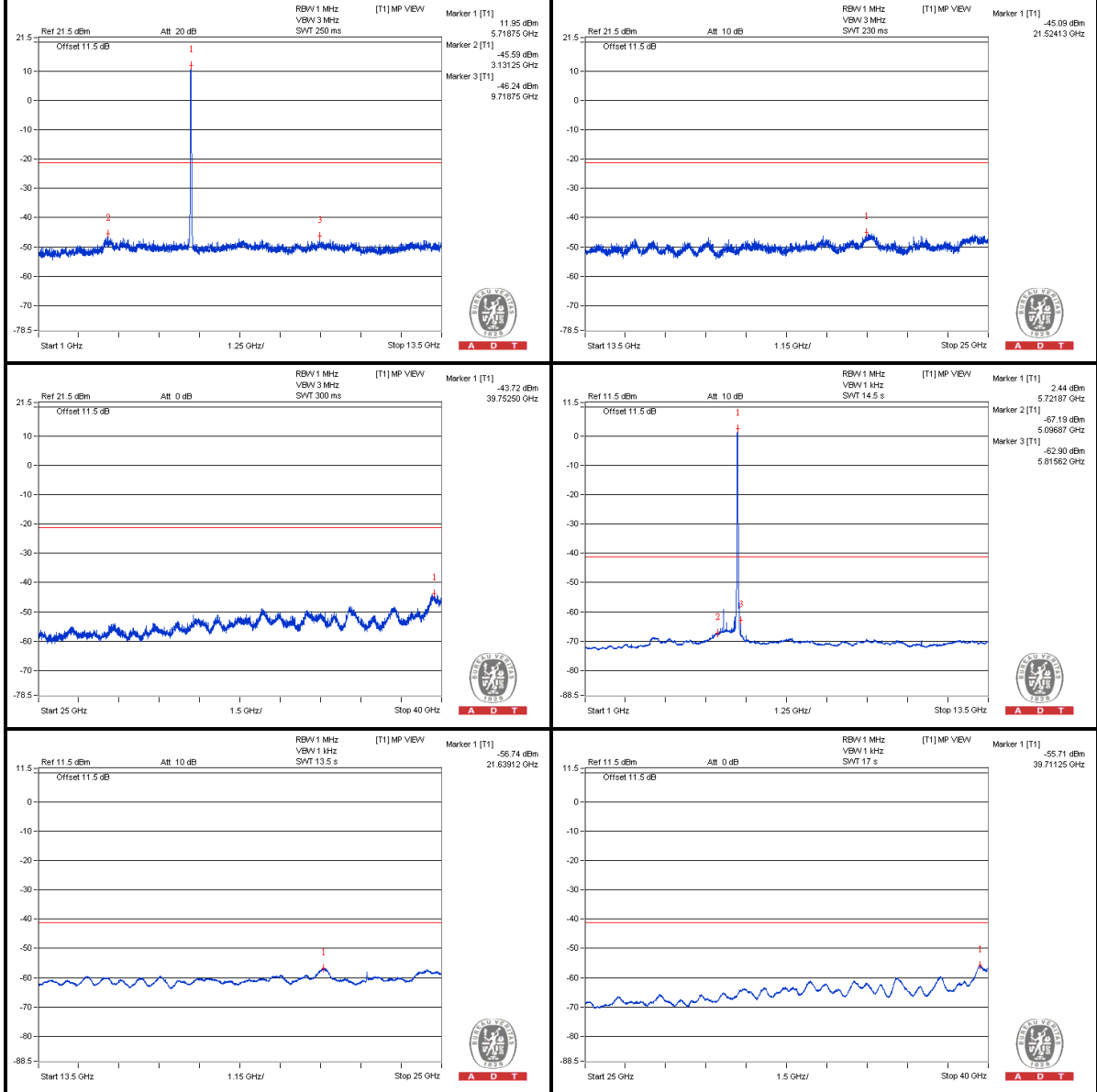
### Chain (0)





A D T

### Chain (1)



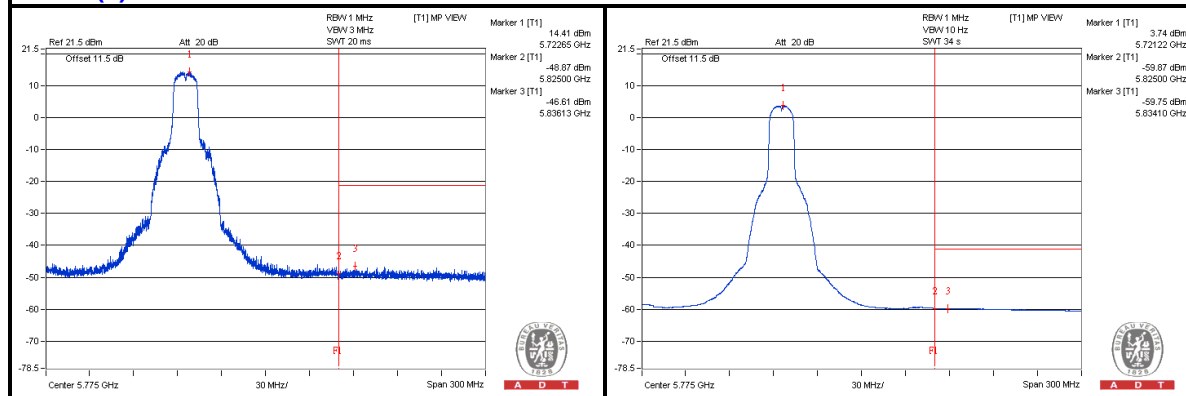
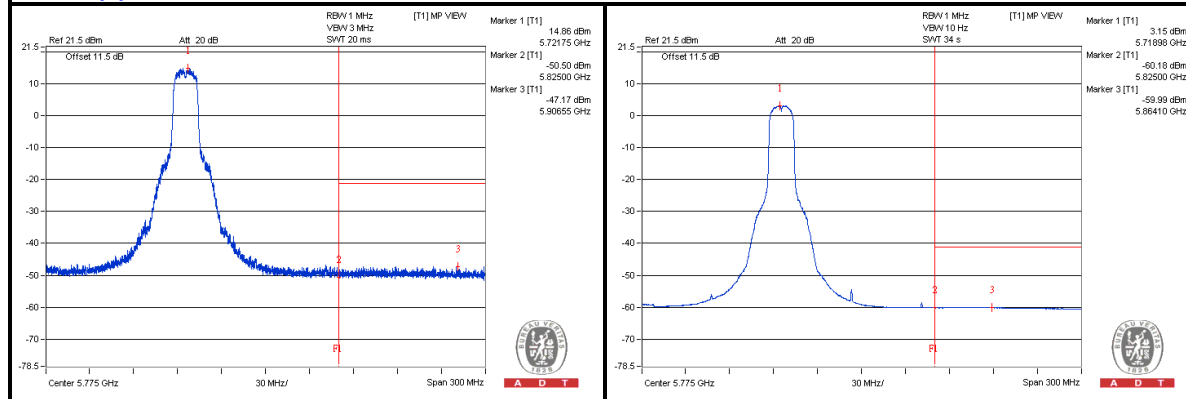
**Bandedge table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	5851.125 PK	58.31	74	-15.69	-47.06	-48.52	7.77	-36.95
2	5832.9 AV	46.11	54	-7.89	-59.76	-60.11	7.77	-49.15

Note :

$$\text{Emission Level (dBuV/m)} = \text{EIRP Level (dBm)} - 20\log(d) + 104.8$$

d = measurement distance in 3 meters.

**Chain (0)**

**Chain (1)**




A D T

### 802.11a - Channel 149

#### Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3846.875 PK	55.85	74	-18.15	-50.46	-49.93	7.77	-39.41
2	3815.625 AV	35.16	54	-18.84	-70.92	-70.84	7.77	-60.1
3	7665.625 PK	56.68	74	-17.32	-48.69	-50.16	7.77	-38.58
4	7659.375 AV	43.34	54	-10.66	-60.07	-70.51	7.77	-51.92
5	11500 PK	55.75	74	-18.25	-50.98	-49.69	7.77	-39.51
6	11490.625 AV	35.7	54	-18.3	-71.62	-69.36	7.77	-59.56
7	17240.375 PK	64.75	74	-9.25	-38.44	-52.57	7.77	-30.51
8	17234.625 AV	51.8	54	-2.2	-51.51	-63.29	7.77	-43.46

Note :

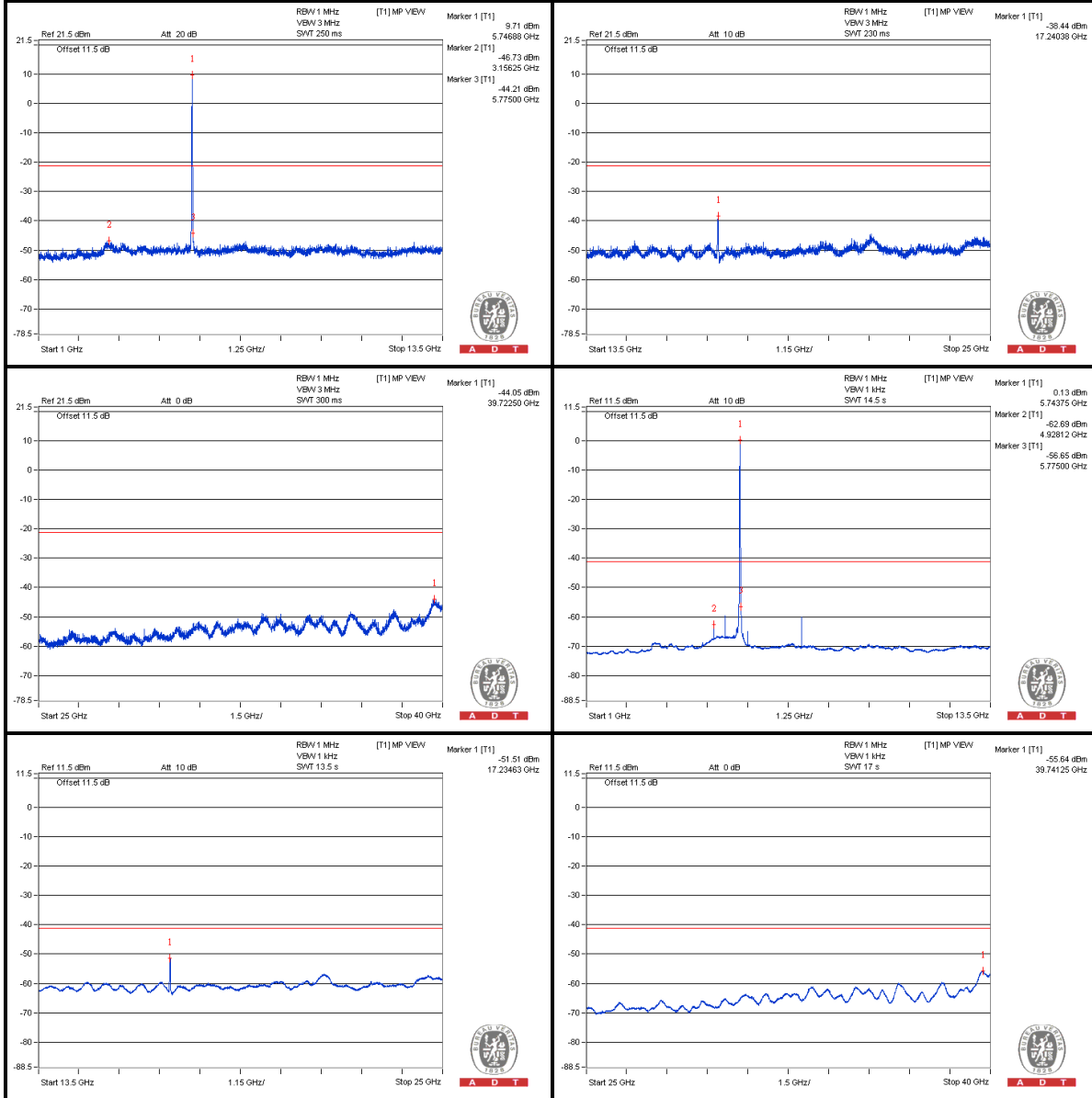
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.



A D T

### Chain (0)

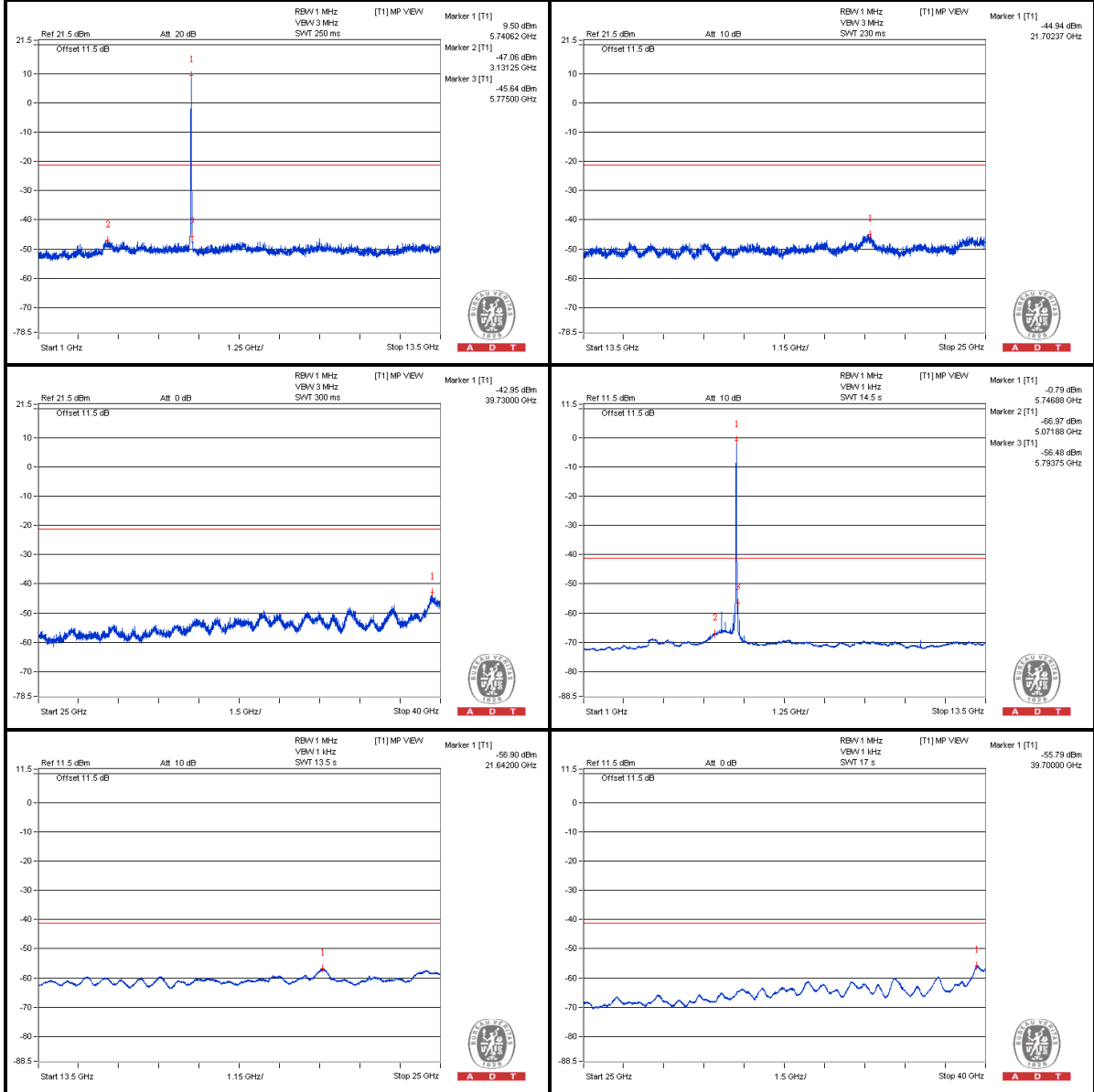






A D T

### Chain (1)





A D T

**Bandedge table**

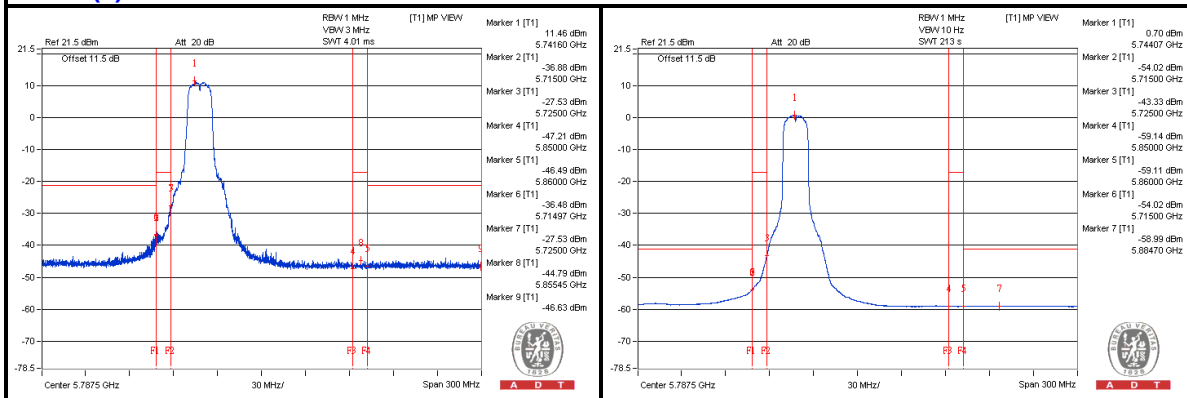
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	5714.975 PK	67.67	74	-6.33	-36.48	-41.81	7.77	-27.59
2	5714.975 AV	51.72	54	-2.28	-54.02	-54.65	7.77	-43.54
3	5724.875 PK	76.2	78.2	-2	-27.73	-34.11	7.77	-19.06
4	5858.825 PK	60.44	78.2	-17.76	-45.19	-46.06	7.77	-34.82
5	5928.35 PK	60.94	74	-13.06	-45.04	-45.17	7.77	-34.32
6	5888.975 AV	47.06	54	-6.94	-59.04	-58.92	7.77	-48.2

Note :

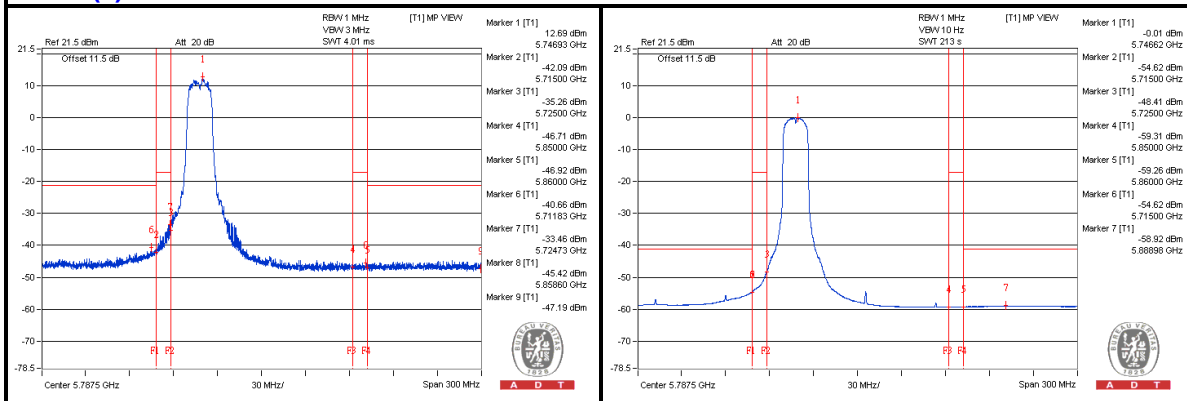
$$\text{Emission Level (dBuV/m)} = \text{EIRP Level (dBm)} - 20\log(d) + 104.8$$

d = measurement distance in 3 meters.

**Chain (0)**



**Chain (1)**





A D T

## 802.11a - Channel 157

### Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3865.625 PK	56.16	74	-17.84	-49.08	-50.87	7.77	-39.1
2	3862.5 AV	35.05	54	-18.95	-70.93	-71.05	7.77	-60.21
3	7706.25 PK	57.08	74	-16.92	-50.21	-47.99	7.77	-38.18
4	7712.5 AV	41.06	54	-12.94	-62.68	-70.19	7.77	-54.2
5	11568.75 PK	55.44	74	-18.56	-50.57	-50.64	7.77	-39.82
6	11571.875 AV	36.27	54	-17.73	-71.23	-68.68	7.77	-58.99
7	17355.375 PK	70.2	74	-3.8	-32.89	-51.8	7.77	-25.06
8	17352.5 AV	57.66	54	* 3.66	-45.45	-62.76	7.77	-37.6

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

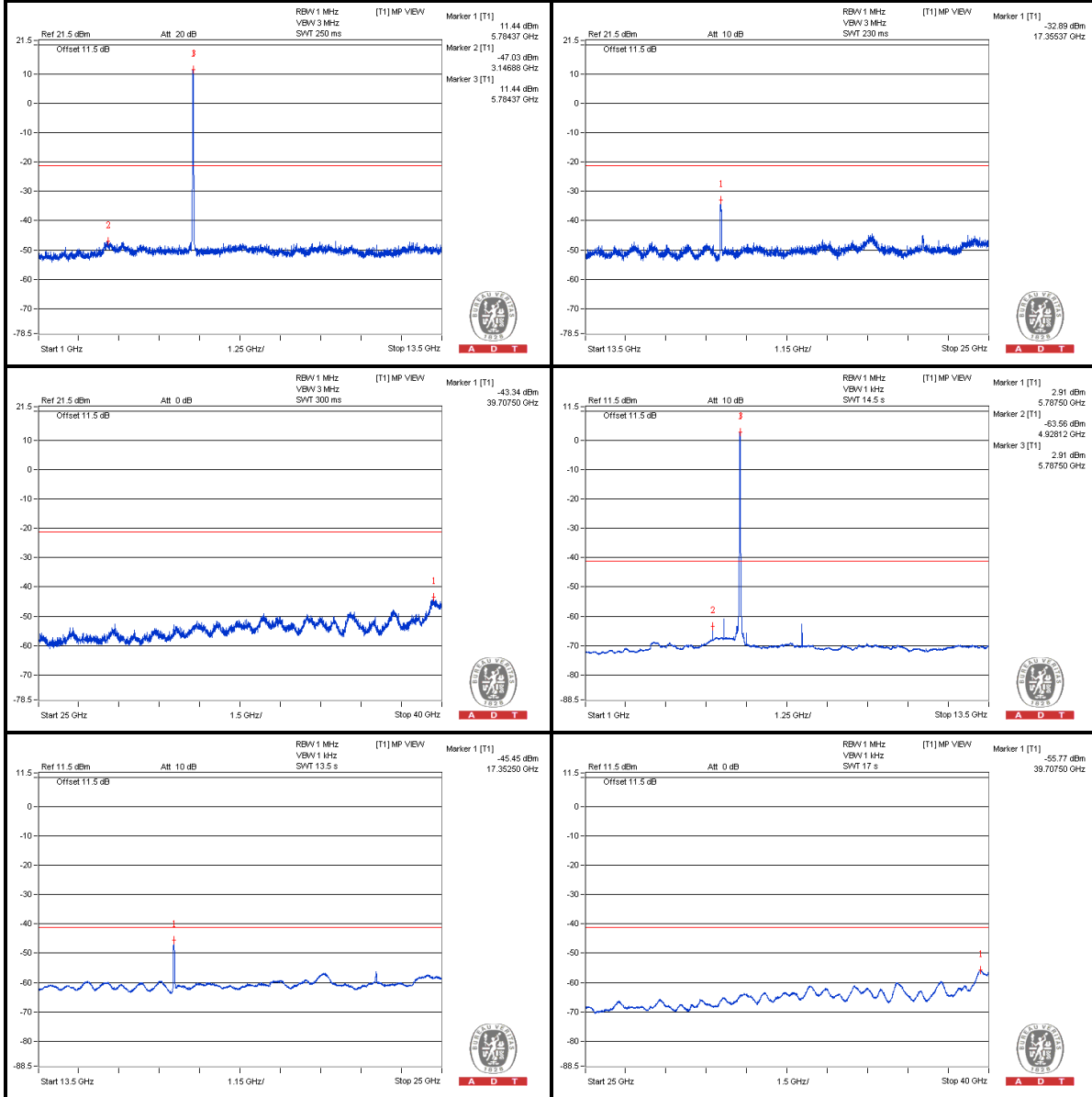
d = measurement distance in 3 meters.

\* The unwanted emission was verified and the test result was passed by radiated measurement. (Please refer APPENDIX A)



A D T

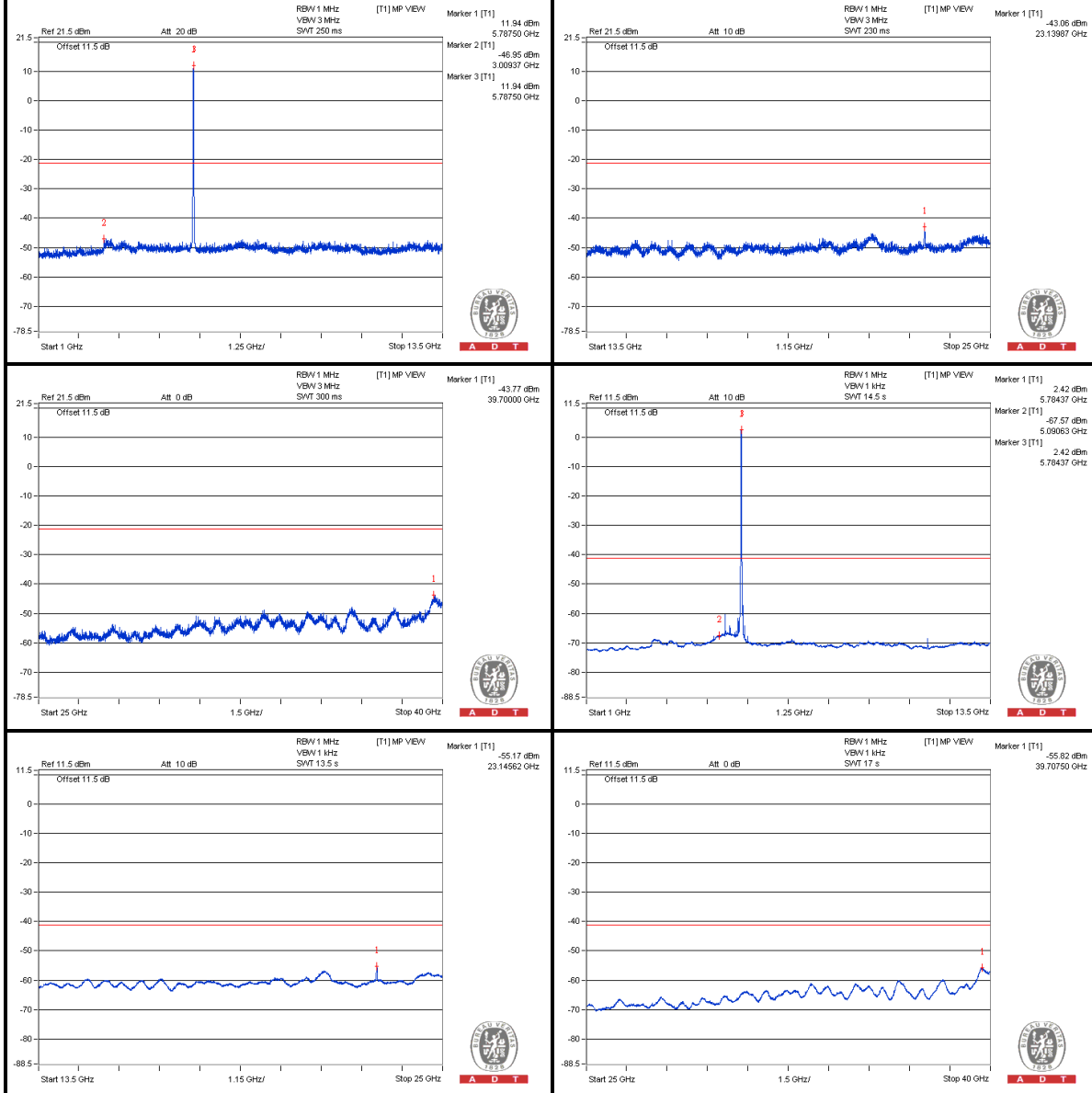
### Chain (0)





A D T

### Chain (1)





A D T

**Bandedge table**

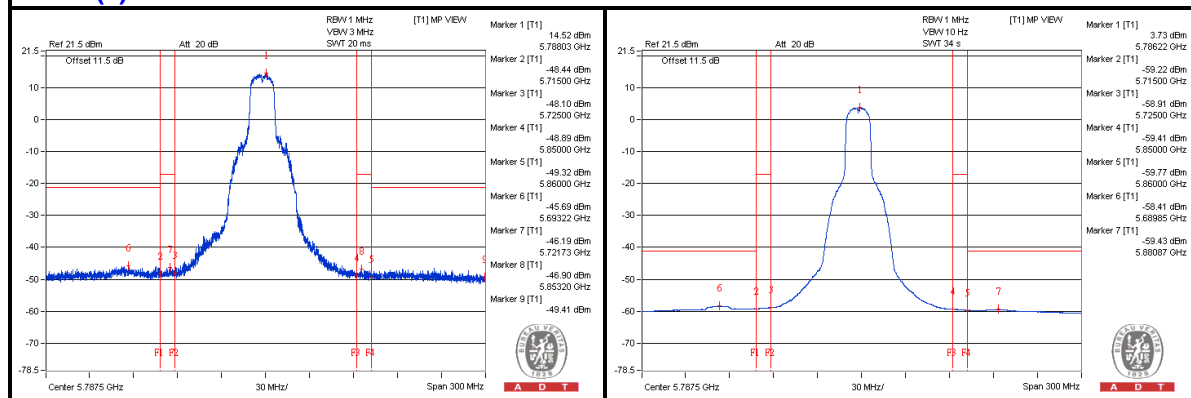
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	5693.225 PK	59.92	74	-14.08	-45.69	-46.59	7.77	-35.34
2	5689.025 AV	47.98	54	-6.02	-58.48	-57.67	7.77	-47.28
3	5722.625 PK	59.03	78.2	-19.17	-46.5	-47.59	7.77	-36.23
4	5852.45 PK	58.47	78.2	-19.73	-47.42	-47.72	7.77	-36.79
5	5902.85 PK	58.26	74	-15.74	-46.62	-49.38	7.77	-37
6	5881.025 AV	46.88	54	-7.12	-59.44	-58.9	7.77	-48.38

Note :

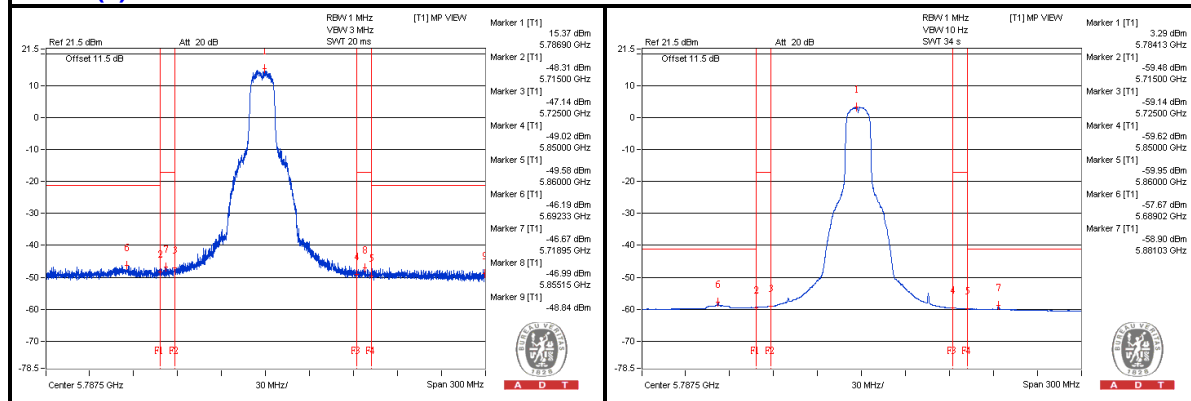
$$\text{Emission Level (dBuV/m)} = \text{EIRP Level (dBm)} - 20\log(d) + 104.8$$

d = measurement distance in 3 meters.

**Chain (0)**



**Chain (1)**





A D T

### 802.11a - Channel 165

#### Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3881.25 PK	56.75	74	-17.25	-49.43	-49.16	7.77	-38.51
2	3881.25 AV	35.17	54	-18.83	-70.68	-71.07	7.77	-60.09
3	7765.625 PK	57.58	74	-16.42	-48.34	-48.59	7.77	-37.68
4	7765.625 AV	40.2	54	-13.8	-63.69	-70.3	7.77	-55.06
5	11637.5 PK	55.47	74	-18.53	-51.44	-49.85	7.77	-39.79
6	11650 AV	36.17	54	-17.83	-71.46	-68.71	7.77	-59.09
7	17473.25 PK	69.55	74	-4.45	-33.57	-50.33	7.77	-25.71
8	17473.25 AV	55.97	54	* 1.97	-47.24	-60.97	7.77	-39.29

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

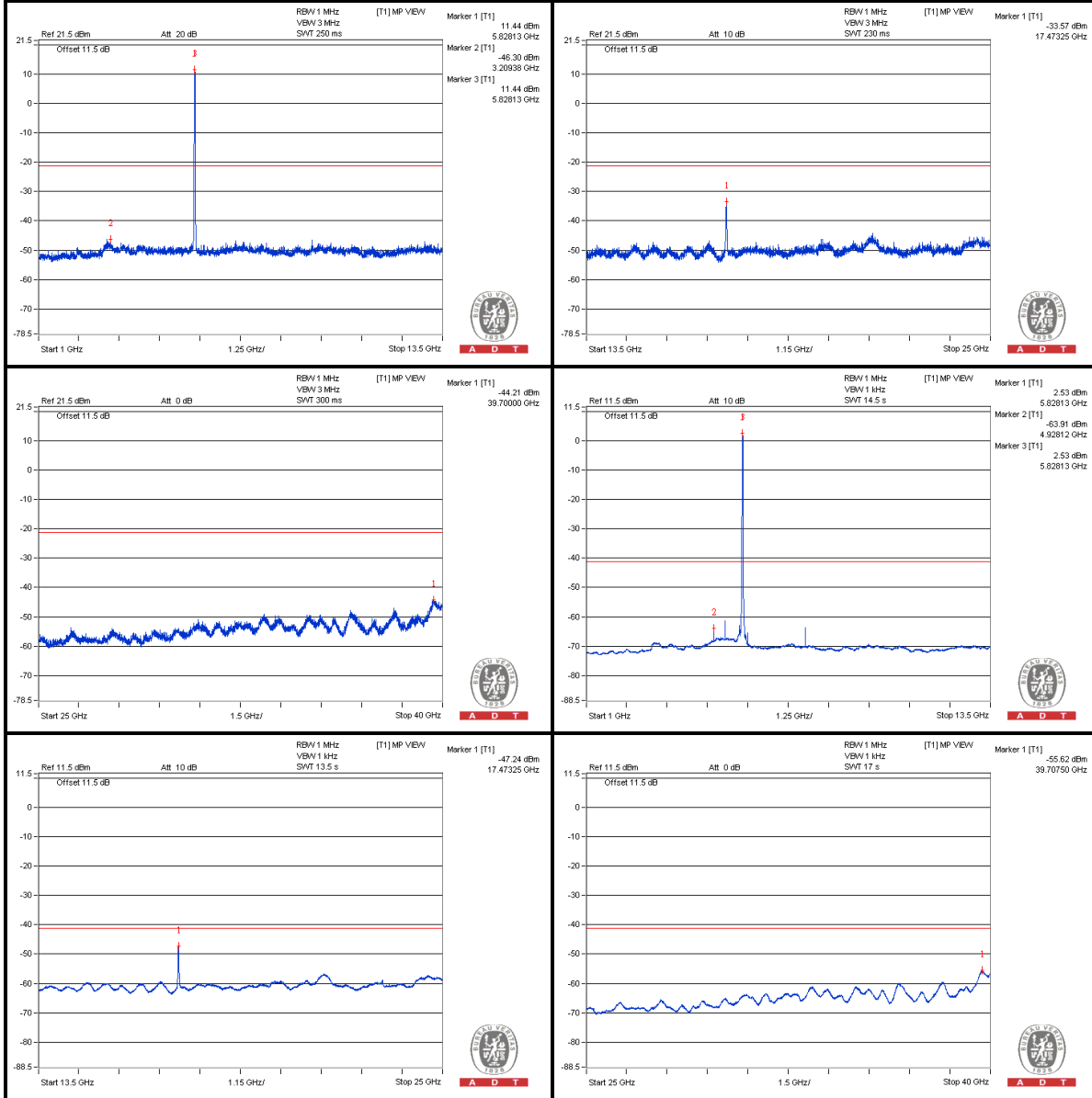
d = measurement distance in 3 meters.

\* The unwanted emission was verified and the test result was passed by radiated measurement. (Please refer APPENDIX A)



A D T

### Chain (0)

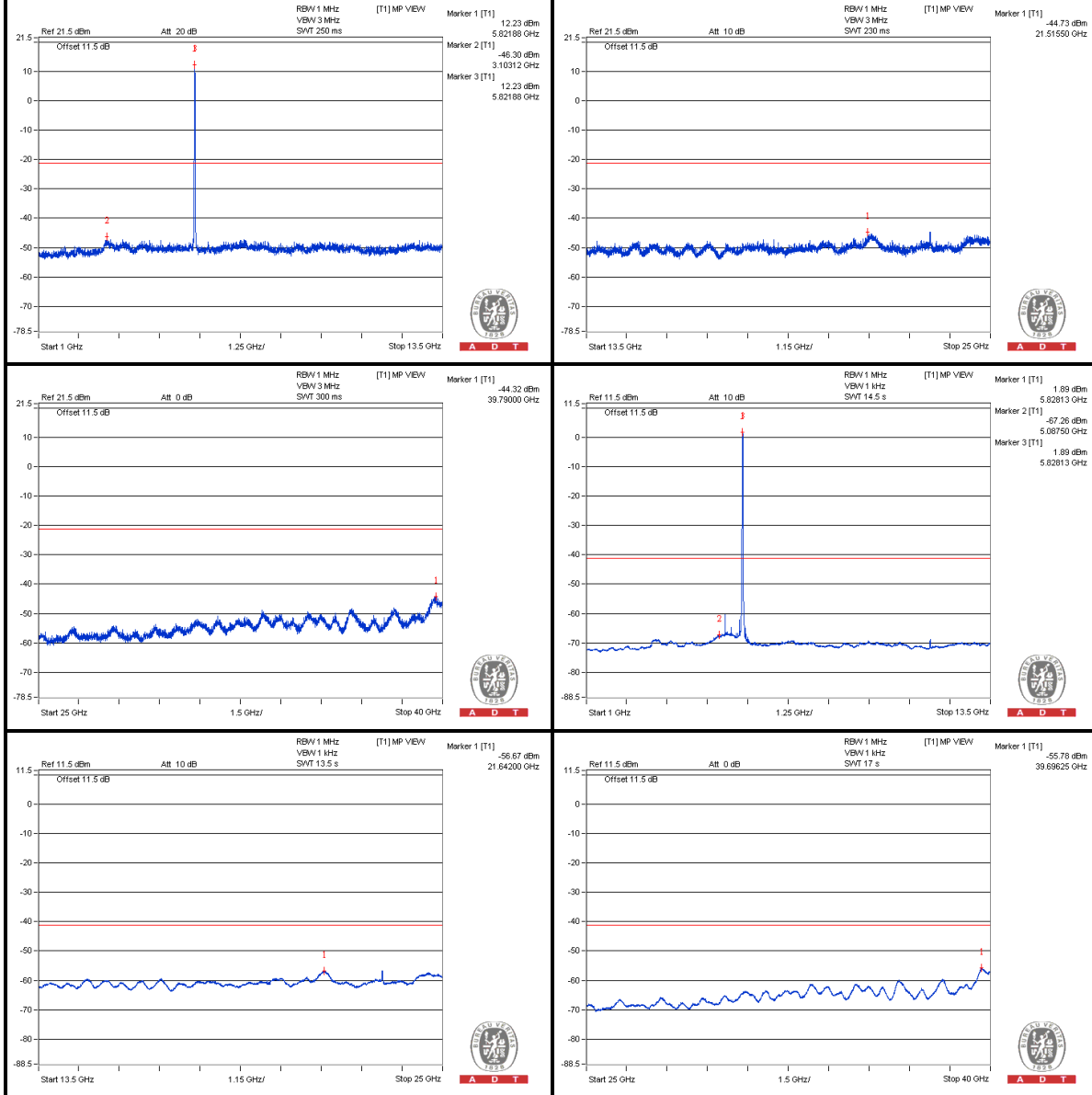






A D T

### Chain (1)



**Bandedge table**

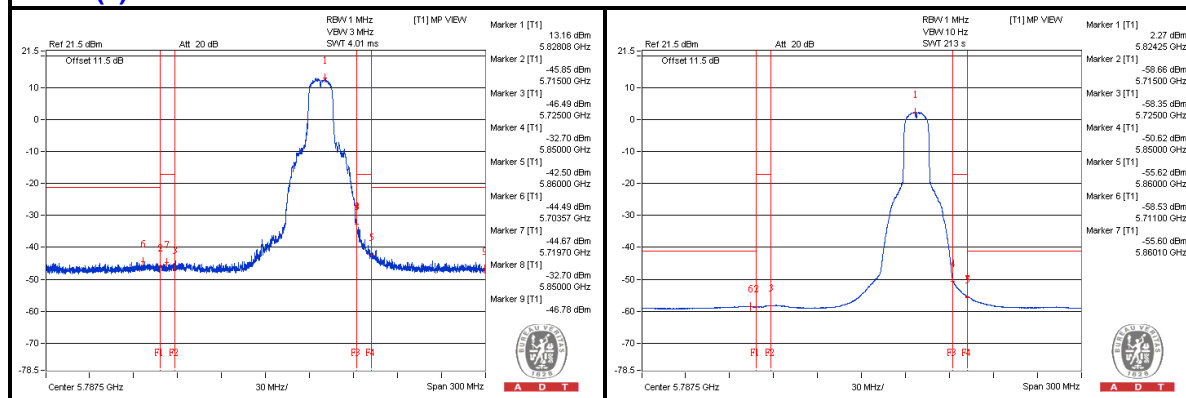
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	5710.1 PK	60.63	74	-13.37	-45.19	-45.64	7.77	-34.63
2	5709.425 AV	47.34	54	-6.66	-58.53	-58.88	7.77	-47.92
3	5720.6 PK	60.83	78.2	-17.37	-45.38	-45.04	7.77	-34.43
4	5850.05 PK	70.95	78.2	-7.25	-33.37	-37.99	7.77	-24.31
5	5860.25 PK	63.97	74	-10.03	-41.67	-42.52	7.77	-31.29
6	5860.1 AV	50.36	54	-3.64	-55.6	-55.76	7.77	-44.9

Note :

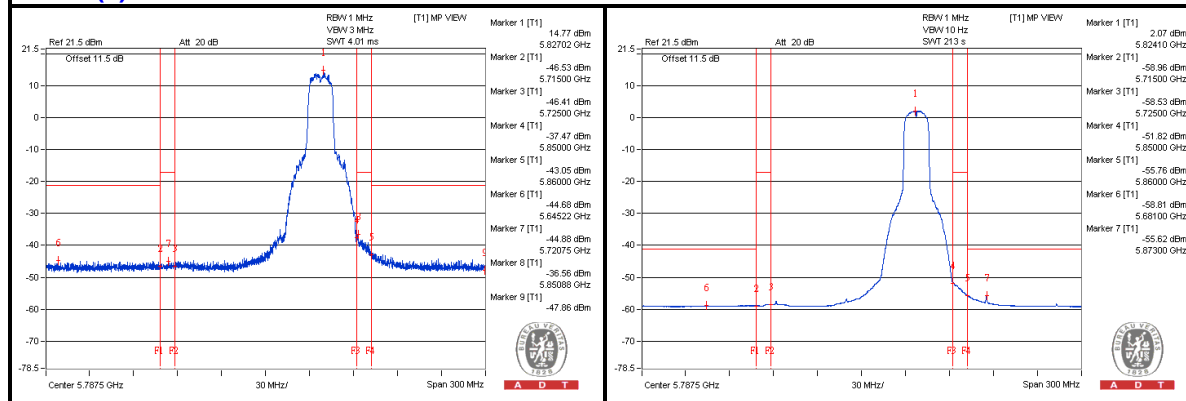
$$\text{Emission Level (dBuV/m)} = \text{EIRP Level (dBm)} - 20\log(d) + 104.8$$

d = measurement distance in 3 meters.

**Chain (0)**



**Chain (1)**





A D T

### 802.11ac (VHT20) - Channel 36

#### Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3437.5 PK	55.52	74	-18.48	-48.44	-49.29	6.09	-39.74
2	3443.75 AV	34.28	54	-19.72	-69.7	-70.49	6.09	-60.98
3	6906.25 PK	58.71	74	-15.29	-43.9	-48.61	6.09	-36.55
4	6906.25 AV	53.49	54	*-0.51	-48.39	-57.22	6.09	-41.77
5	10343.75 PK	55.21	74	-18.79	-49.14	-49.17	6.09	-40.05
6	10359.375 AV	34.5	54	-19.5	-69.69	-70.04	6.09	-60.76
7	15547 PK	56.51	74	-17.49	-46.42	-50.01	6.09	-38.75
8	15529.75 AV	44.27	54	-9.73	-59.58	-60.66	6.09	-50.99

Note :

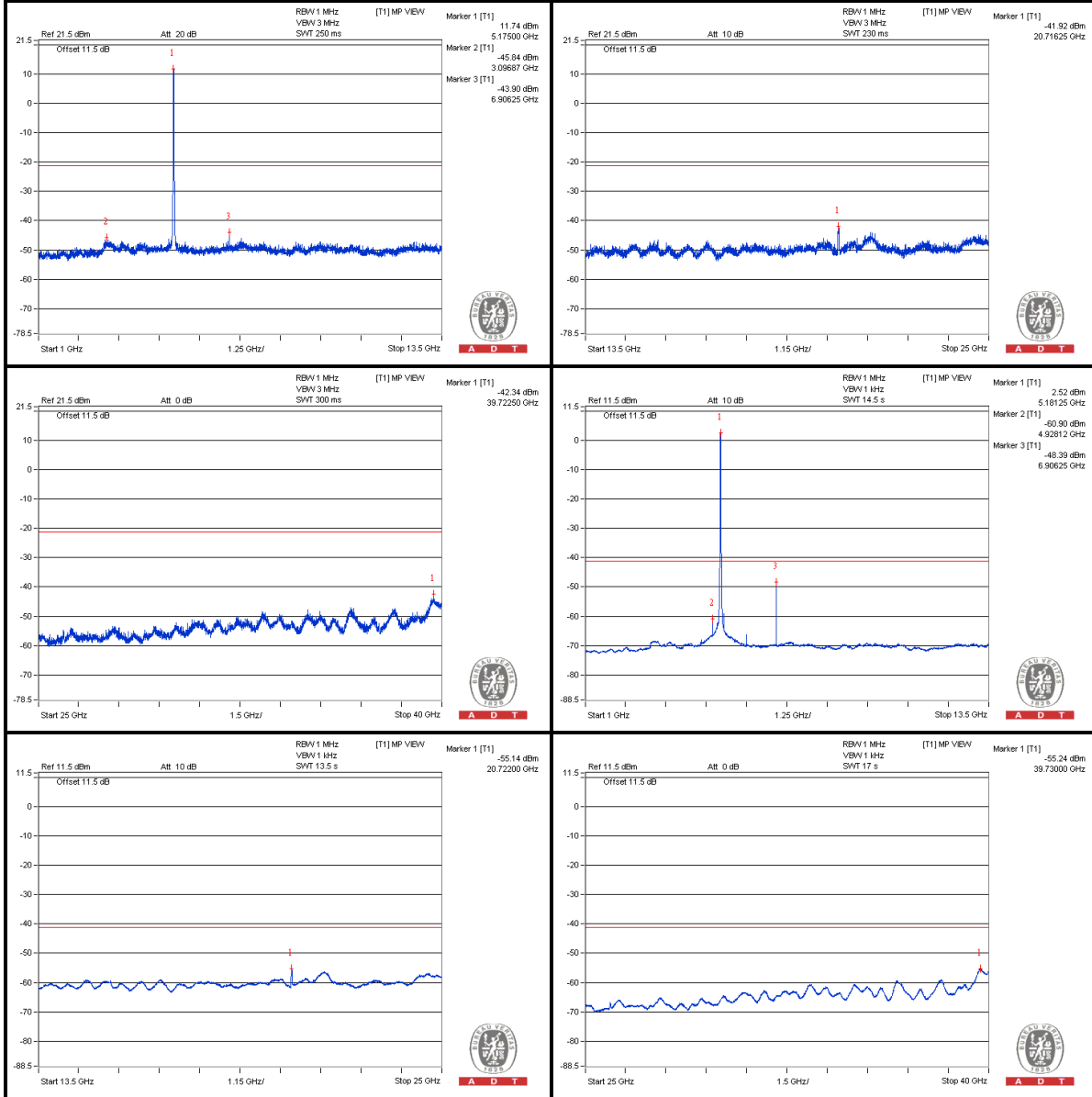
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8  
d = measurement distance in 3 meters.

\* The unwanted emission was verified and the test result was passed by radiated measurement.  
(Please refer APPENDIX A)



A D T

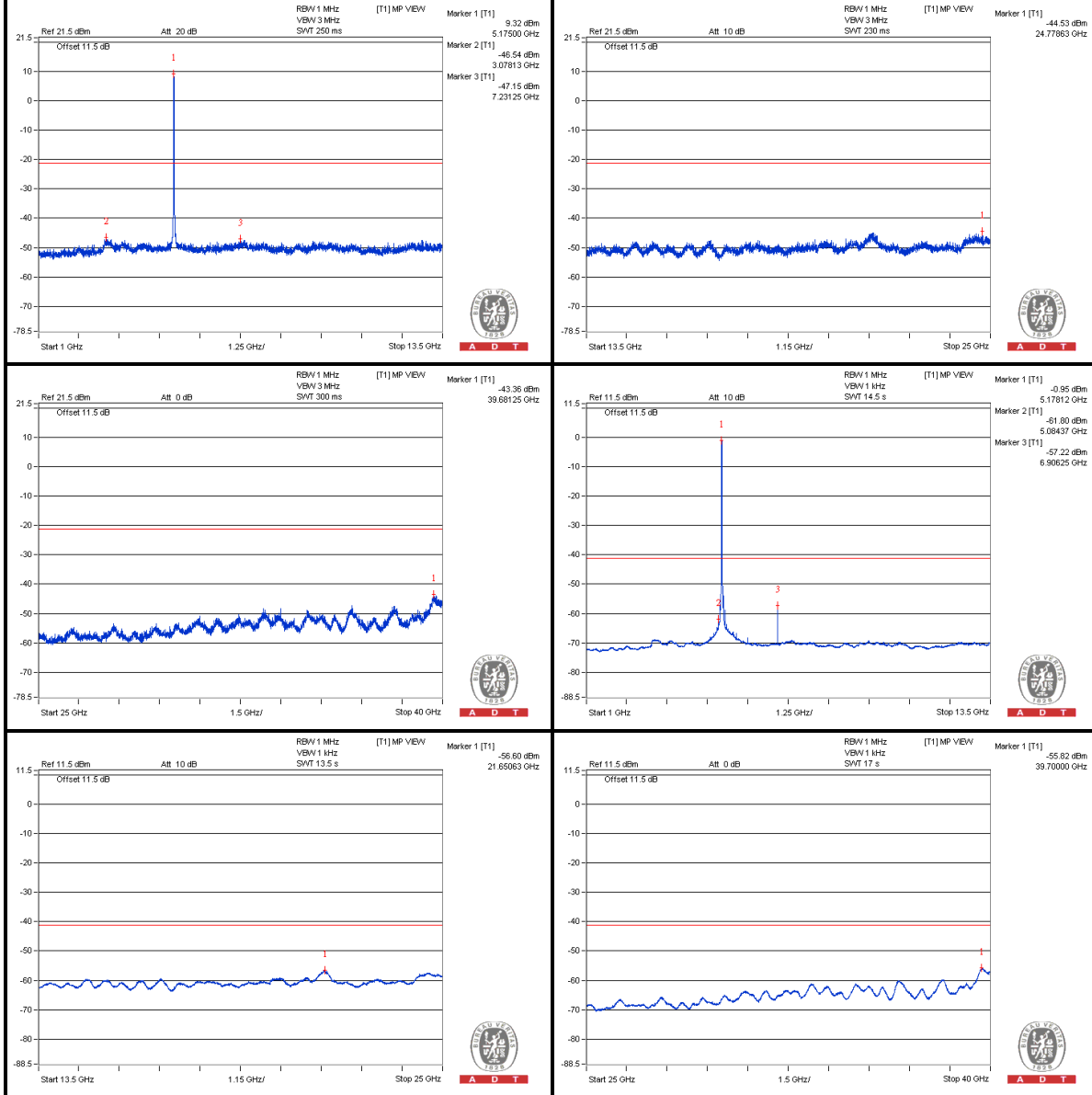
### Chain (0)





A D T

### Chain (1)



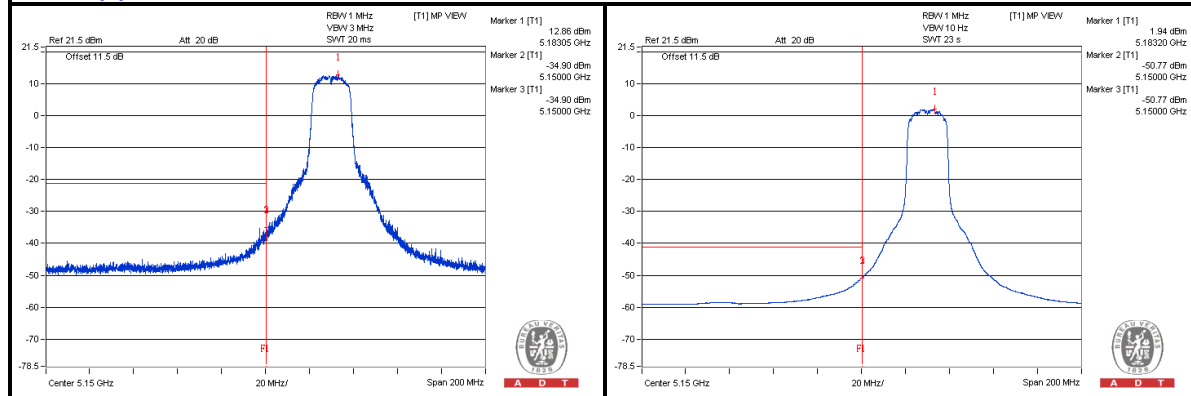
**Bandedge table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	5150 PK	67.22	74	-6.78	-34.9	-42.05	6.09	-28.04
2	5150 AV	52.47	54	-1.53	-50.77	-53.4	6.09	-42.79

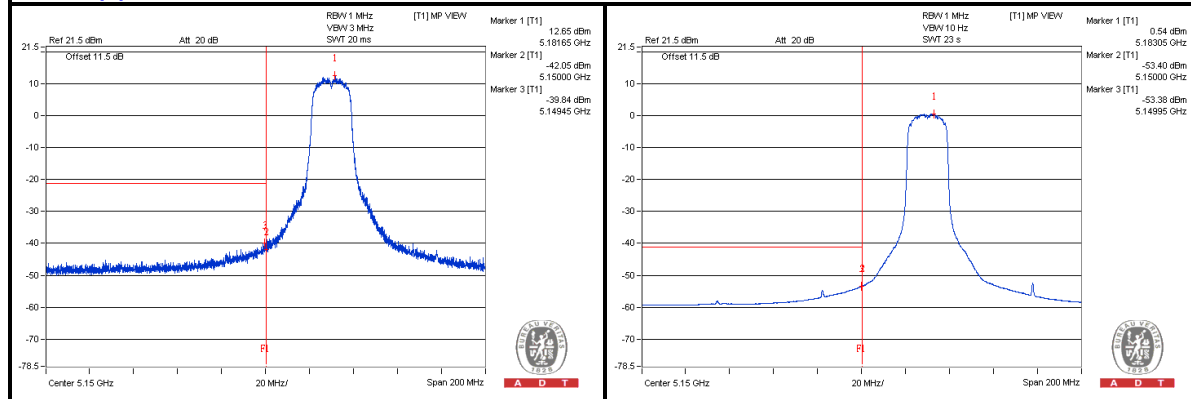
Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8  
d = measurement distance in 3 meters.

**Chain (0)**



**Chain (1)**





A D T

## 802.11ac (VHT20) - Channel 40

### Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3450 PK	56.18	74	-17.82	-46.83	-50.14	6.09	-39.08
2	3459.375 AV	34.42	54	-19.58	-69.65	-70.25	6.09	-60.84
3	6934.375 PK	57.53	74	-16.47	-45.4	-48.99	6.09	-37.73
4	6934.375 AV	50.95	54	-3.05	-50.87	-60.31	6.09	-44.31
5	10400 PK	55.93	74	-18.07	-48.77	-48.12	6.09	-39.33
6	10400 AV	34.94	54	-19.06	-69.74	-69.13	6.09	-60.32
7	15607.375 PK	55.85	74	-18.15	-47.51	-49.81	6.09	-39.41
8	15598.75 AV	44.65	54	-9.35	-59.1	-60.43	6.09	-50.61

Note :

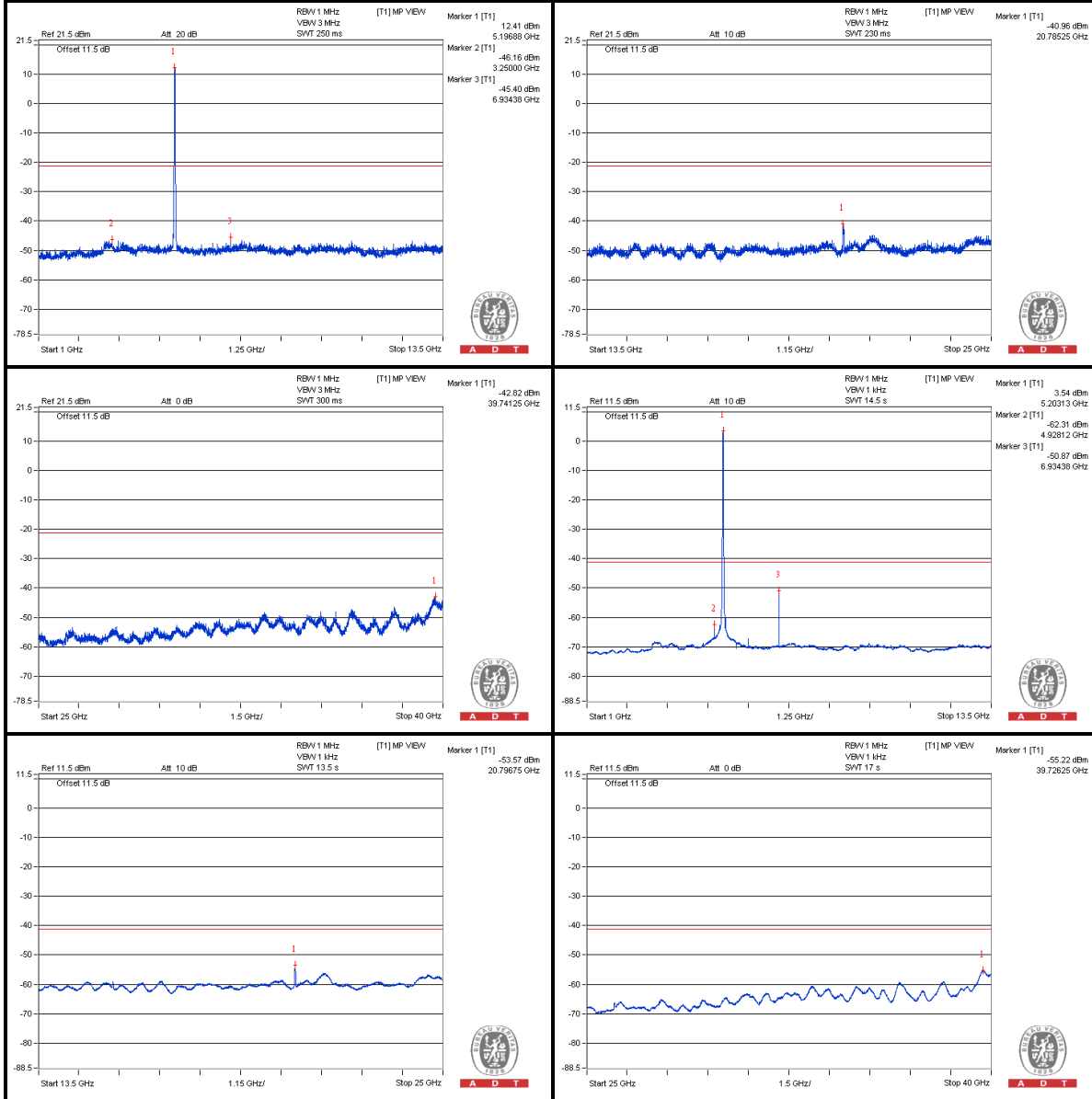
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.



A D T

### Chain (0)

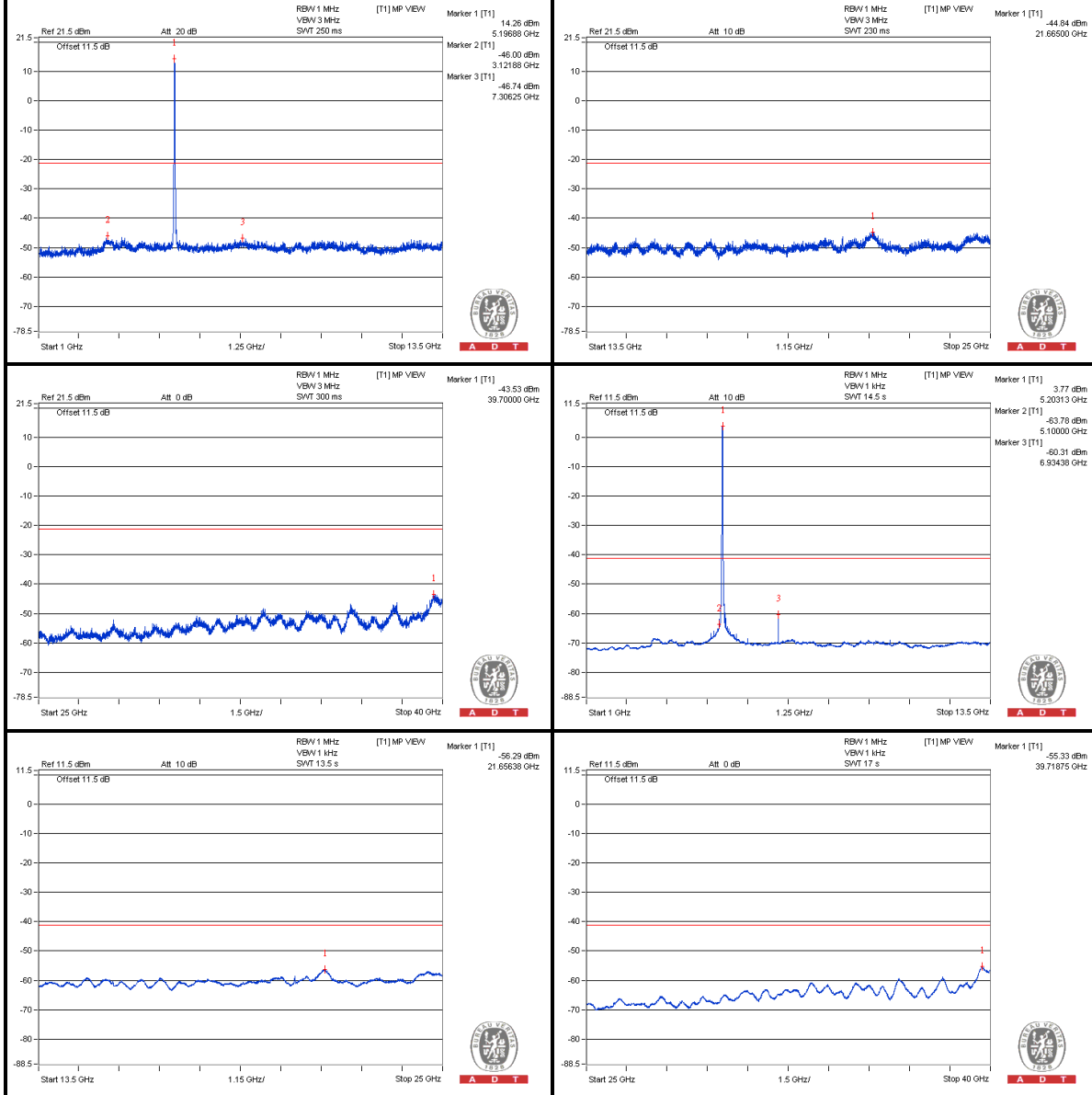






A D T

### Chain (1)



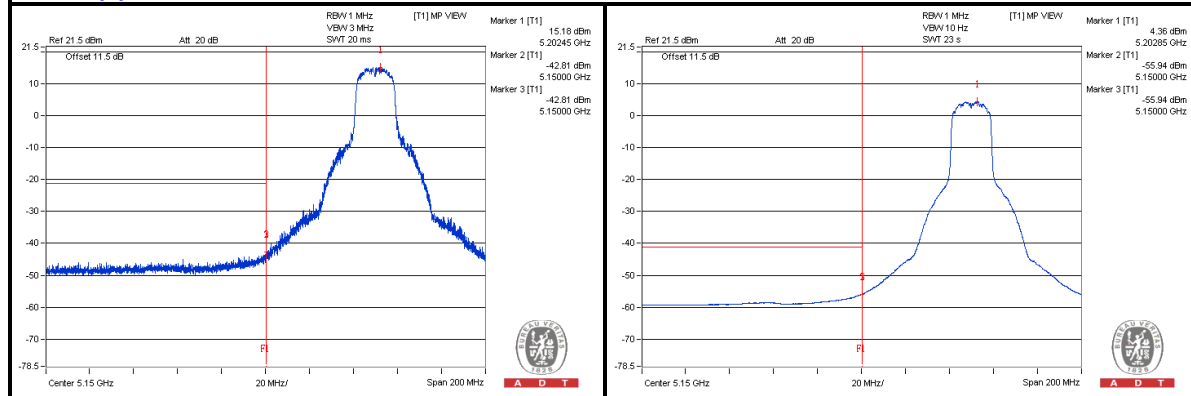
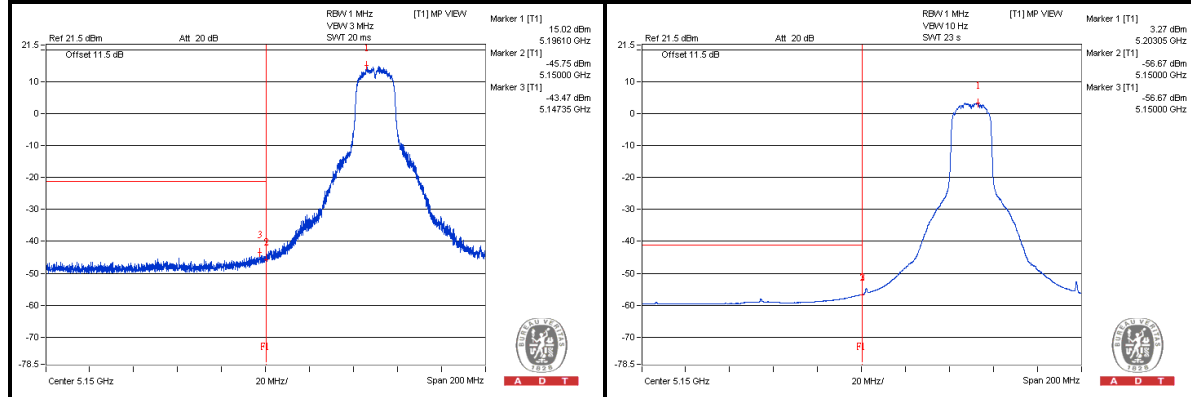
**Bandedge table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	5150 PK	60.32	74	-13.68	-42.81	-45.75	6.09	-34.94
2	5150 AV	48.07	54	-5.93	-55.94	-56.67	6.09	-47.19

Note :

$$\text{Emission Level (dBuV/m)} = \text{EIRP Level (dBm)} - 20\log(d) + 104.8$$

d = measurement distance in 3 meters.

**Chain (0)**

**Chain (1)**




A D T

### 802.11ac (VHT20) - Channel 48

#### Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3509.375 PK	55.26	74	-18.74	-49.65	-48.61	6.09	-40
2	3512.5 AV	34.66	54	-19.34	-69.6	-69.8	6.09	-60.6
3	6987.5 PK	57.36	74	-16.64	-45.41	-49.52	6.09	-37.9
4	6987.5 AV	50.12	54	-3.88	-51.68	-61.31	6.09	-45.14
5	10478.125 PK	54.23	74	-19.77	-49.77	-50.53	6.09	-41.03
6	10484.375 AV	34.34	54	-19.66	-69.99	-70.06	6.09	-60.92
7	15716.625 PK	56.58	74	-17.42	-46.44	-49.74	6.09	-38.68
8	15716.625 AV	44.88	54	-9.12	-58.5	-60.76	6.09	-50.38

Note :

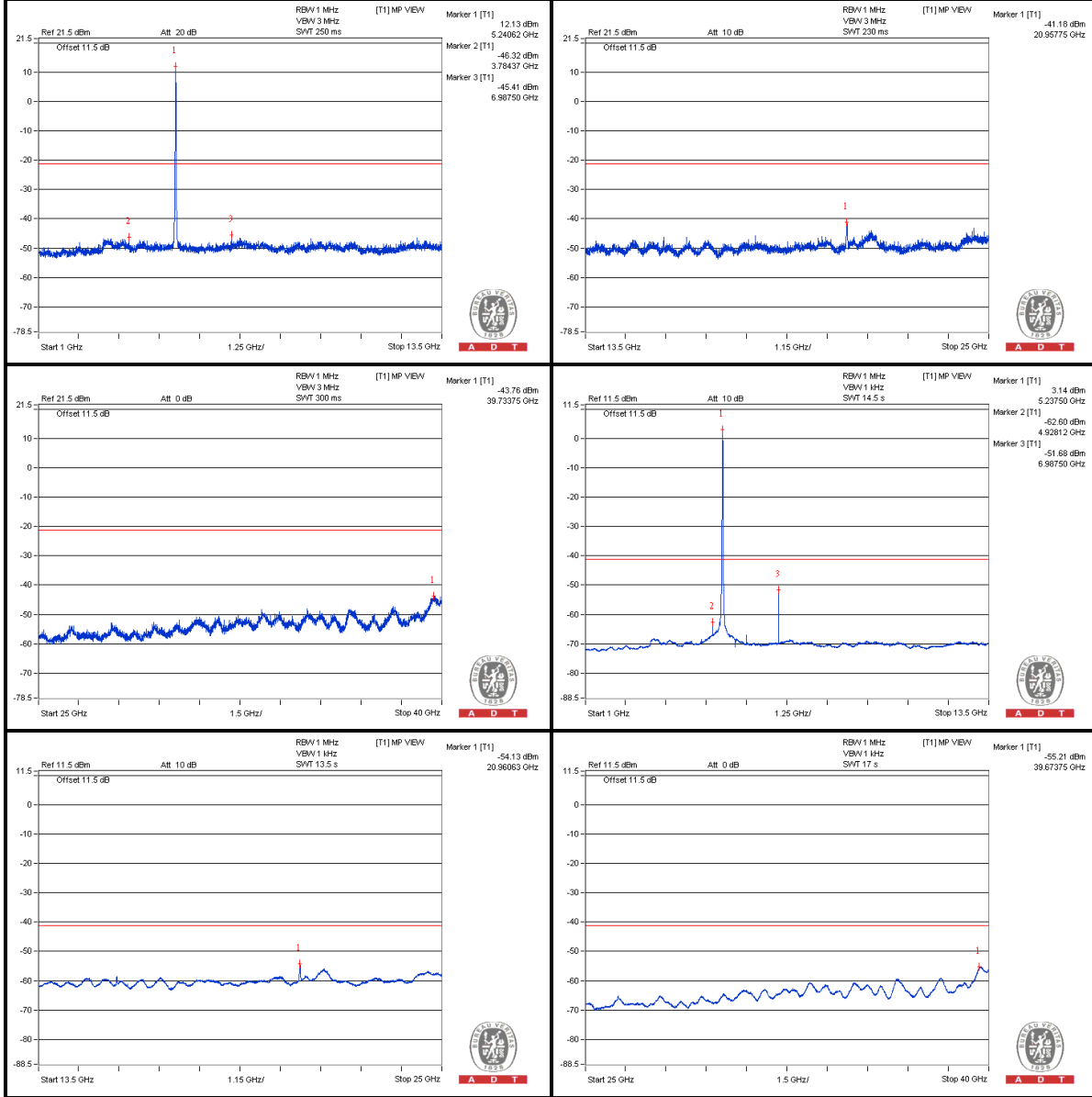
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.



A D T

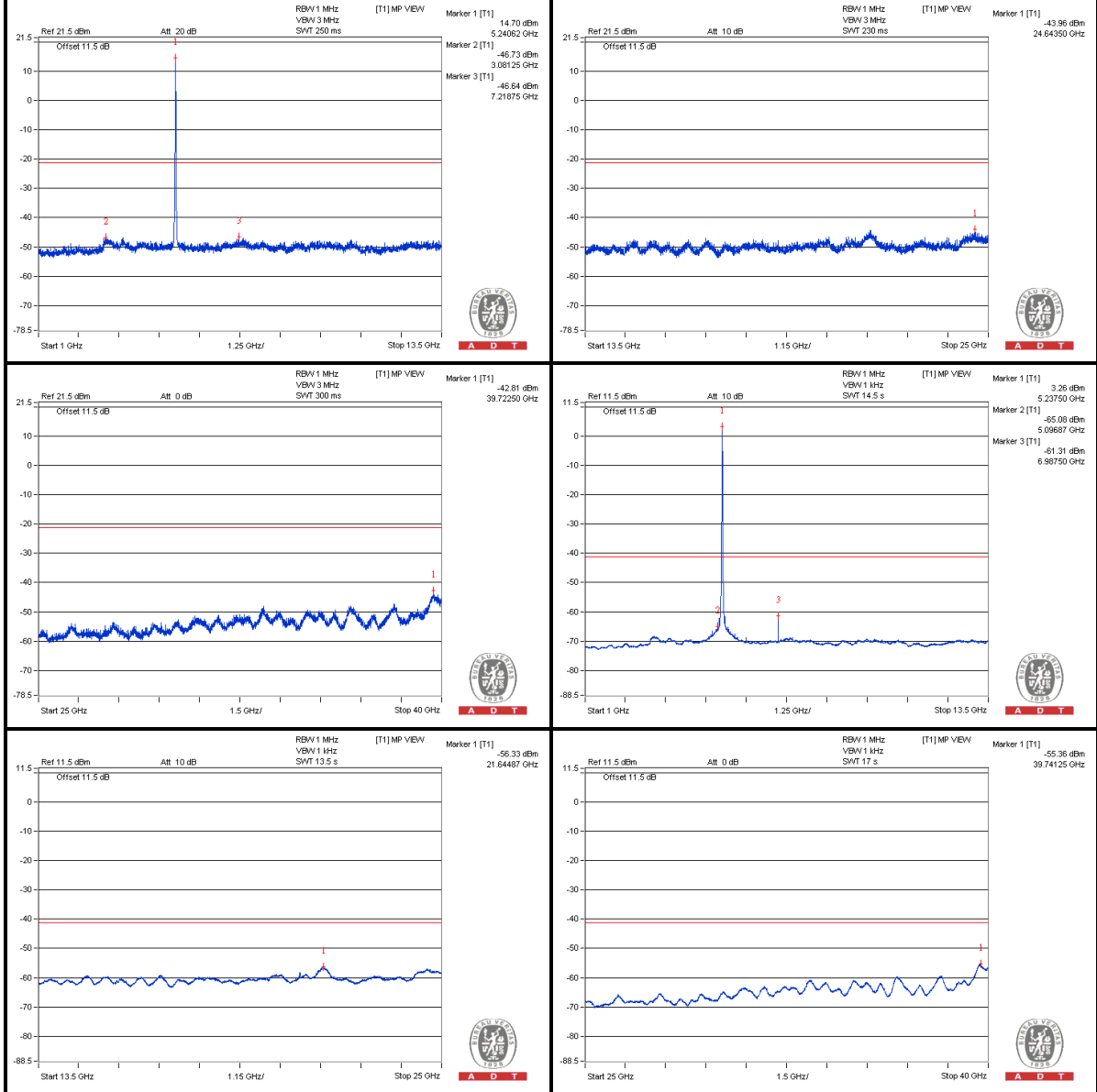
### Chain (0)





A D T

### Chain (1)

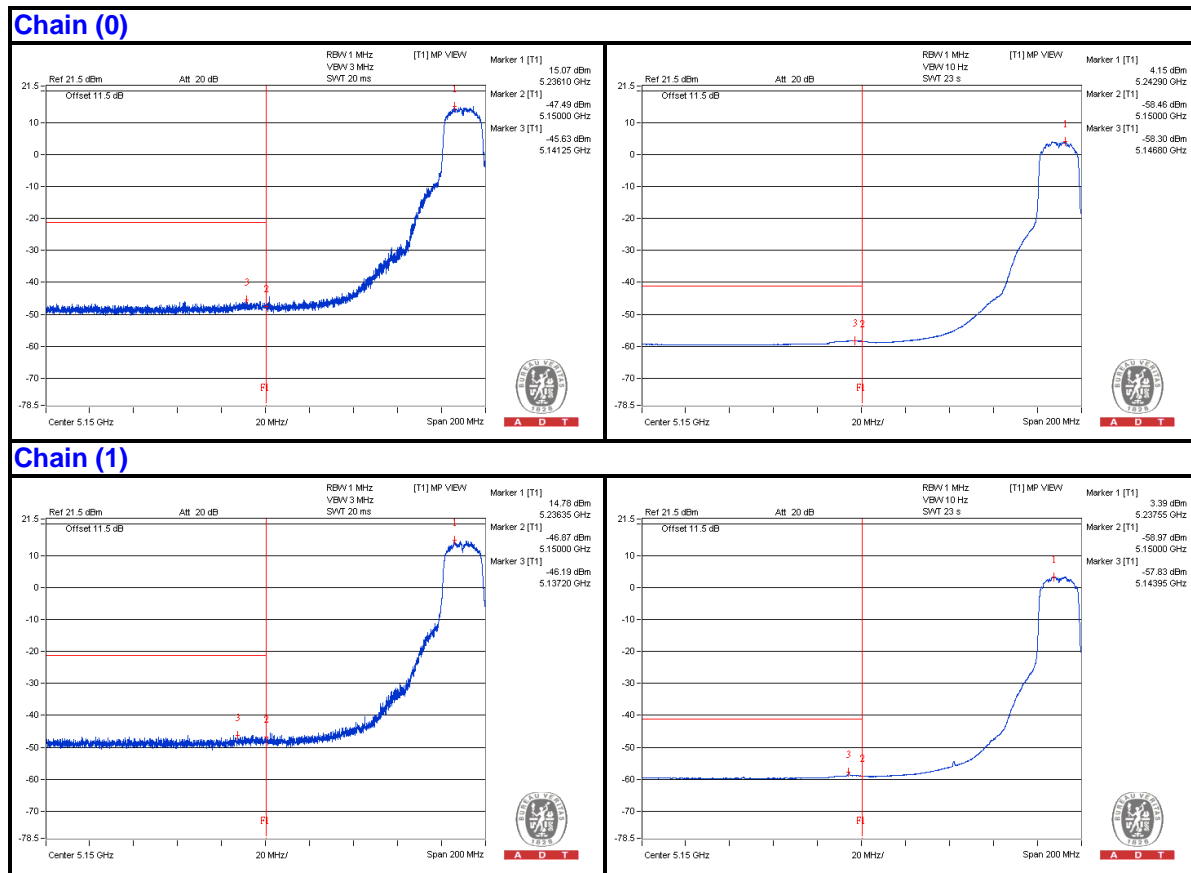


**Bandedge table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	5140.9 PK	57.86	74	-16.14	-45.99	-47.09	6.09	-37.4
2	5143.95 AV	46.29	54	-7.71	-58.33	-57.83	6.09	-48.97

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8  
d = measurement distance in 3 meters.





A D T

## 802.11ac (VHT20) - Channel 52

### Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3509.375 PK	55.71	74	-18.29	-49.19	-48.17	6.09	-39.55
2	3518.75 AV	34.86	54	-19.14	-69.27	-69.74	6.09	-60.4
3	7012.5 PK	57.14	74	-16.86	-45.43	-50.32	6.09	-38.12
4	7012.5 AV	50.18	54	-3.82	-51.47	-62.95	6.09	-45.08
5	10506.25 PK	55.08	74	-18.92	-49.57	-49.01	6.09	-40.18
6	10521.875 AV	34.62	54	-19.38	-69.65	-69.84	6.09	-60.64
7	15785.625 PK	58.8	74	-15.2	-43.68	-48.93	6.09	-36.46
8	15777 AV	45.43	54	-8.57	-57.84	-60.4	6.09	-49.83

Note :

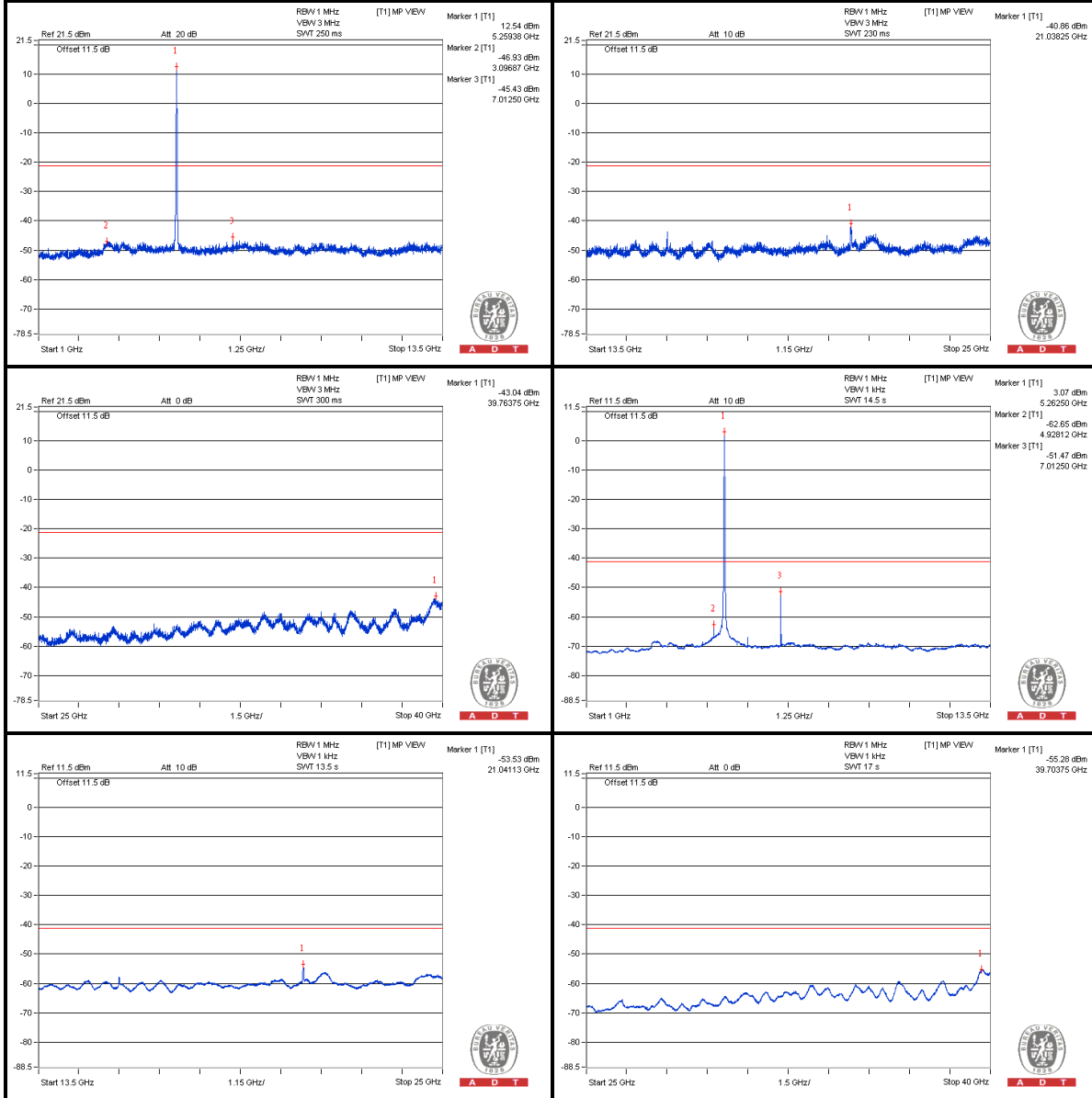
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.



A D T

### Chain (0)

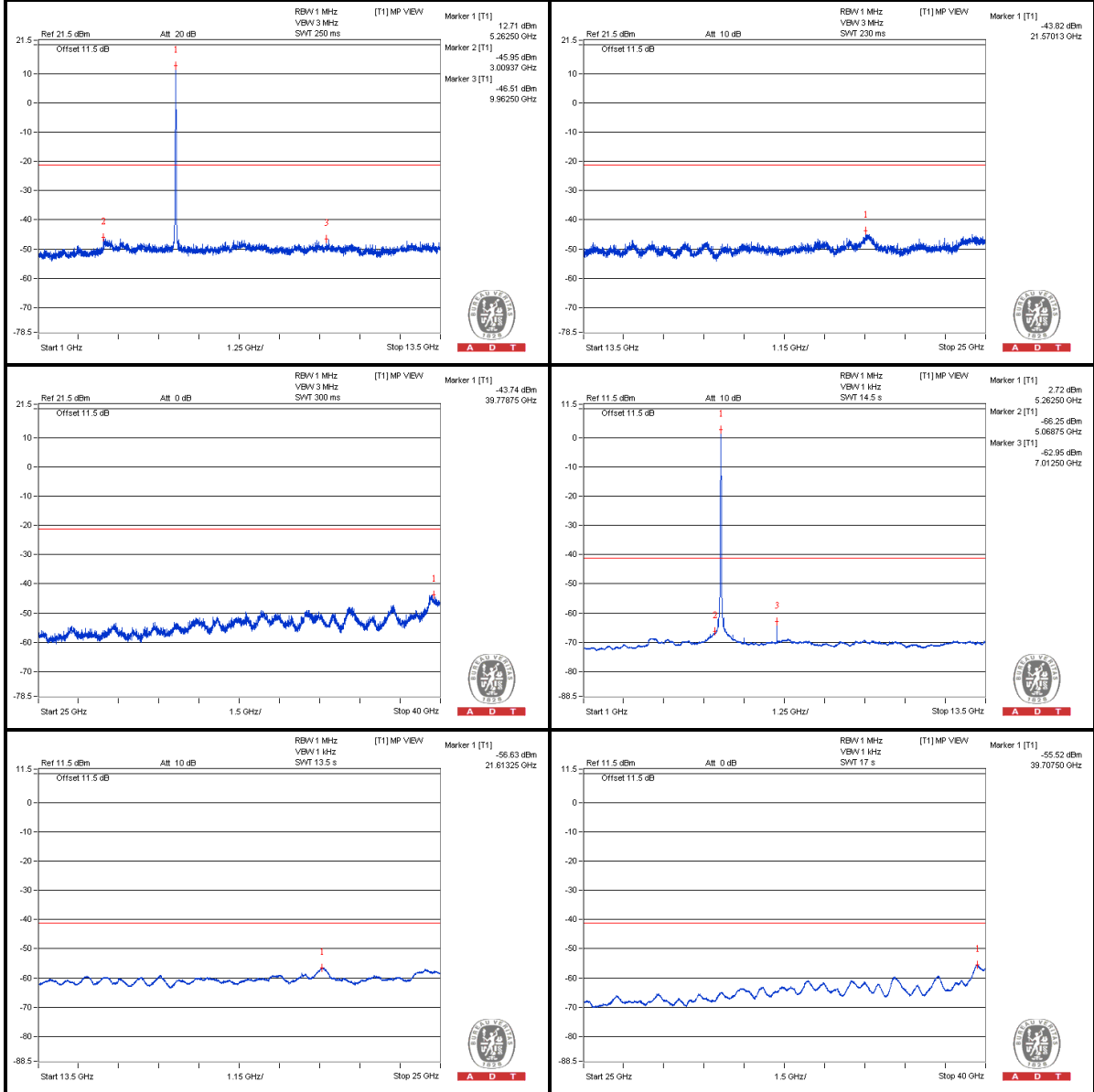






A D T

### Chain (1)

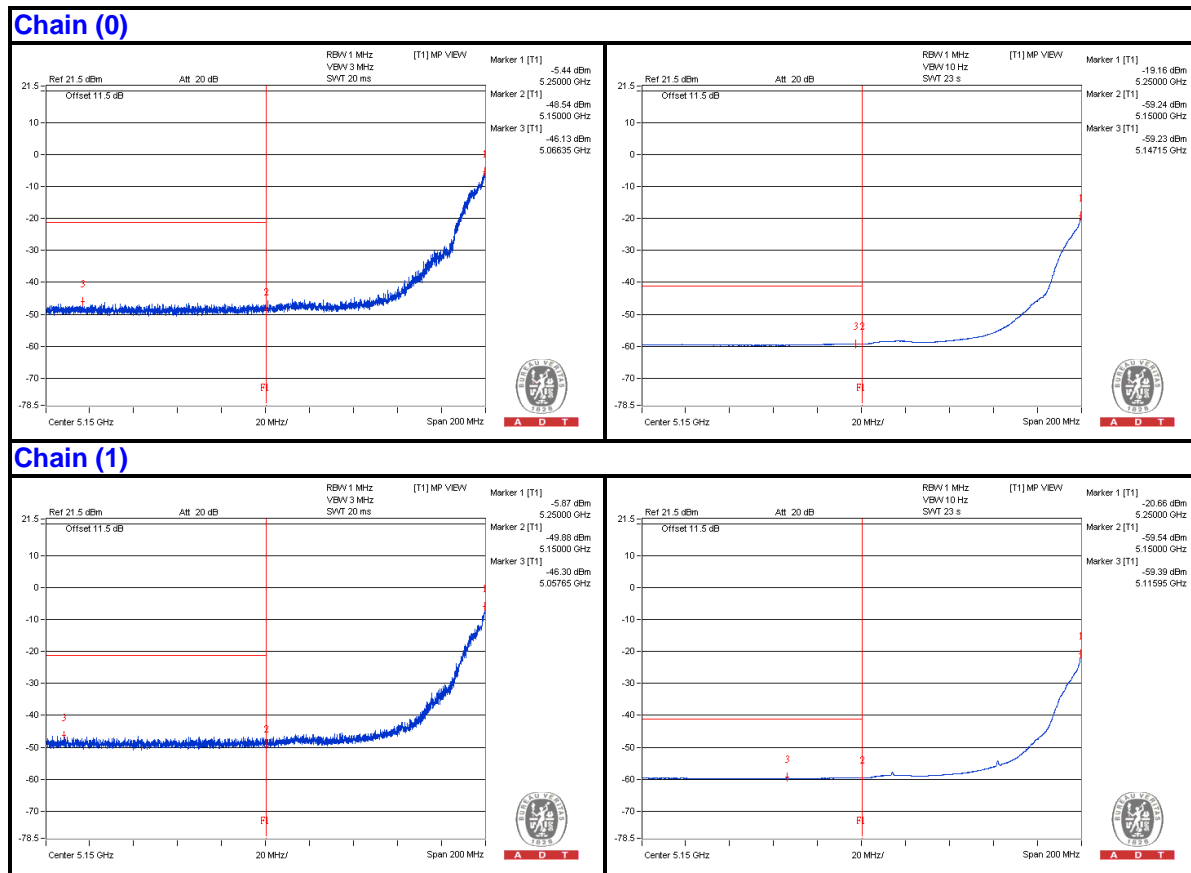


**Bandedge table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	5363.4 PK	58.51	74	-15.49	-45.16	-46.68	6.09	-36.75
2	5356 AV	46.29	54	-7.71	-58.85	-57.41	6.09	-48.97

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8  
d = measurement distance in 3 meters.





A D T

### 802.11ac (VHT20) - Channel 60

#### Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3553.125 PK	56.4	74	-17.6	-48.32	-47.63	6.09	-38.86
2	3550 AV	35.17	54	-18.83	-68.9	-69.51	6.09	-60.09
3	7068.75 PK	58.32	74	-15.68	-44.01	-49.99	6.09	-36.94
4	7065.625 AV	51.62	54	-2.38	-49.87	-64.65	6.09	-43.64
5	10596.875 PK	54.99	74	-19.01	-48.8	-50.03	6.09	-40.27
6	10600 AV	34.76	54	-19.24	-69.47	-69.74	6.09	-60.5
7	15894.875 PK	57.98	74	-16.02	-44.5	-49.77	6.09	-37.28
8	15900.625 AV	46.38	54	-7.62	-56.45	-60.36	6.09	-48.88

Note :

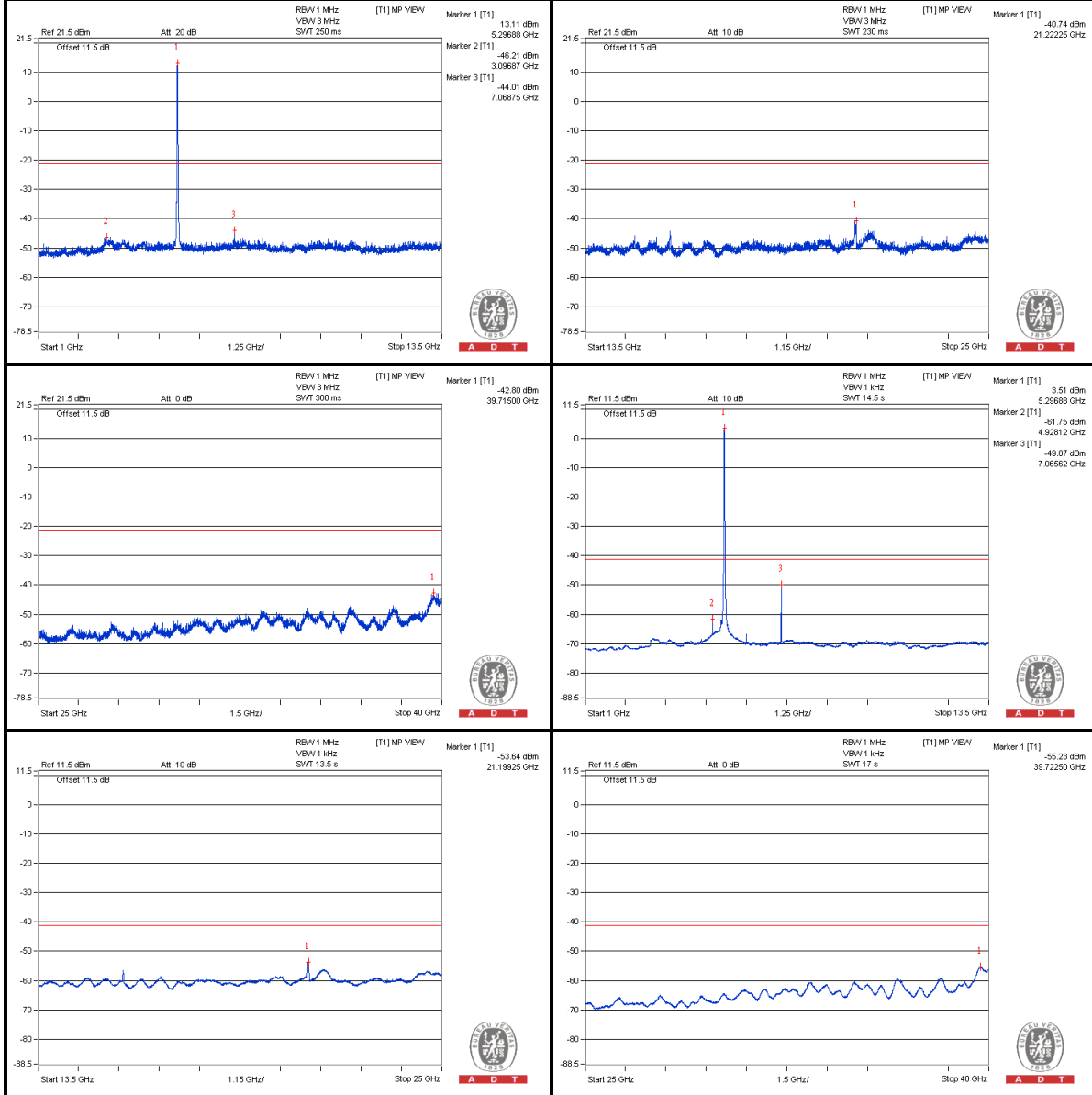
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.



A D T

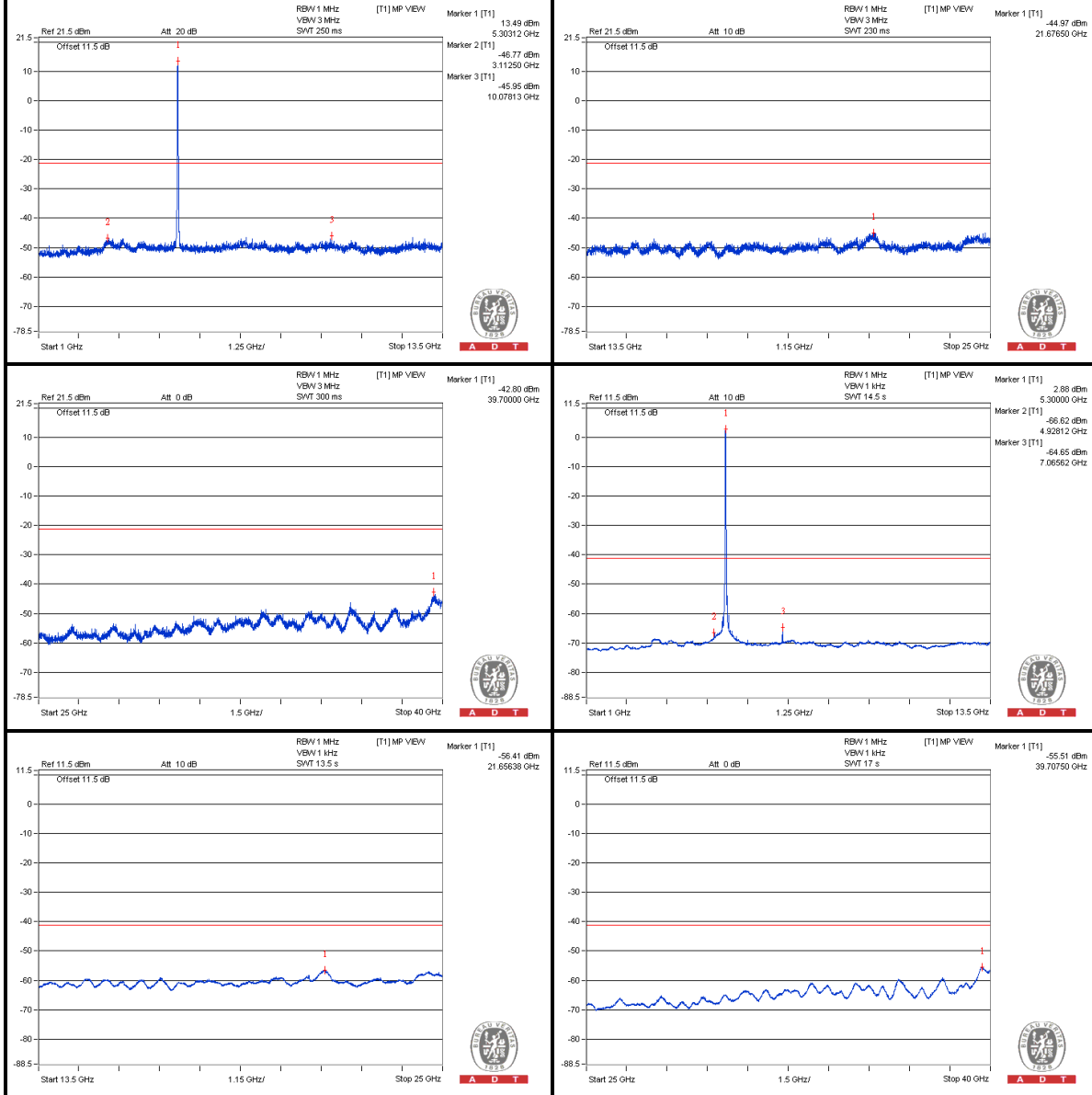
### Chain (0)





A D T

### Chain (1)



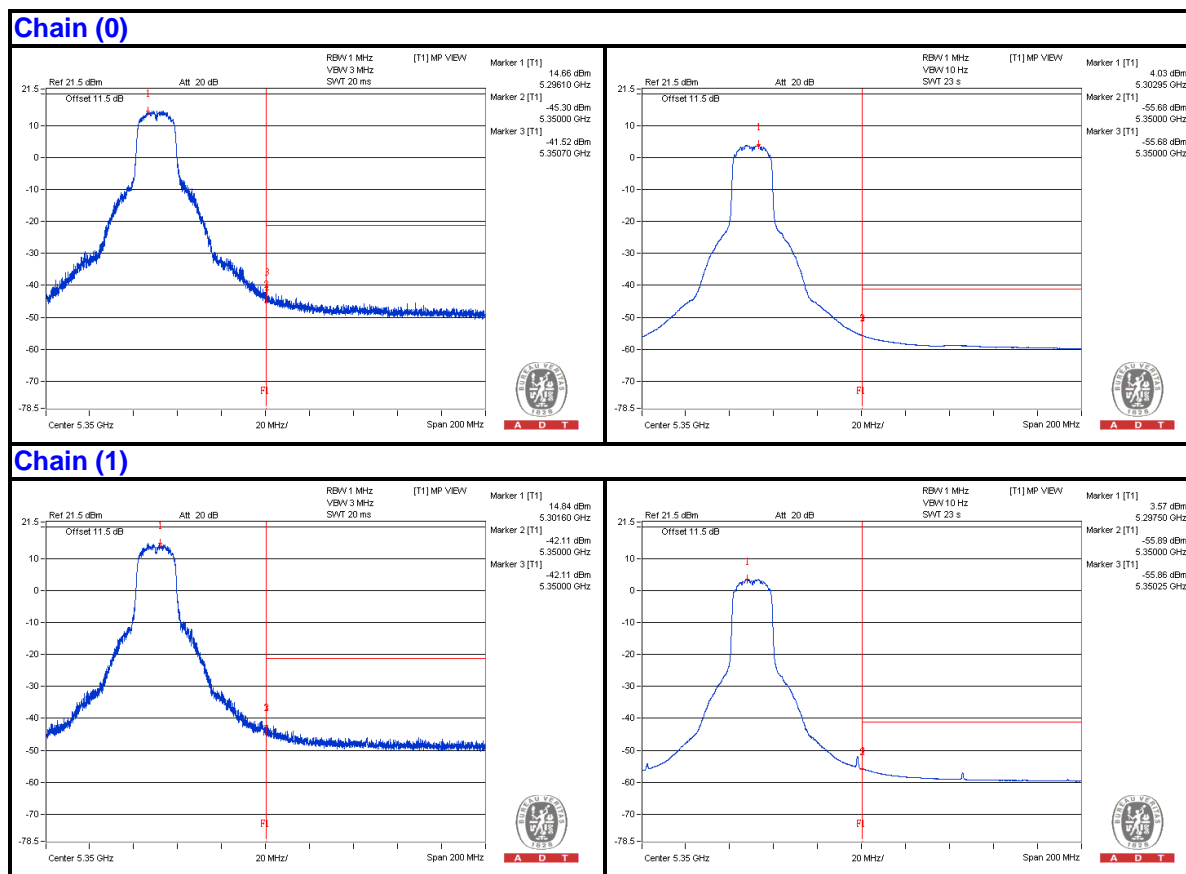
**Bandedge table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	5350.7 PK	62.15	74	-11.85	-41.52	-43.02	6.09	-33.11
2	5350 AV	48.58	54	-5.42	-55.68	-55.89	6.09	-46.68

Note :

$$\text{Emission Level (dBuV/m)} = \text{EIRP Level (dBm)} - 20\log(d) + 104.8$$

d = measurement distance in 3 meters.





A D T

### 802.11ac (VHT20) - Channel 64

#### Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3540.625 PK	56.18	74	-17.82	-47.67	-48.77	6.09	-39.08
2	3565.625 AV	35.24	54	-18.76	-68.78	-69.5	6.09	-60.02
3	7093.75 PK	58.37	74	-15.63	-45.15	-47.04	6.09	-36.89
4	7093.75 AV	51.29	54	-2.71	-50.2	-65.03	6.09	-43.97
5	10656.25 PK	55.05	74	-18.95	-50.01	-48.71	6.09	-40.21
6	10640.625 AV	34.53	54	-19.47	-69.89	-69.78	6.09	-60.73
7	15949.5 PK	55.82	74	-18.18	-46.83	-51.39	6.09	-39.44
8	15963.875 AV	44.43	54	-9.57	-58.85	-61.38	6.09	-50.83

Note :

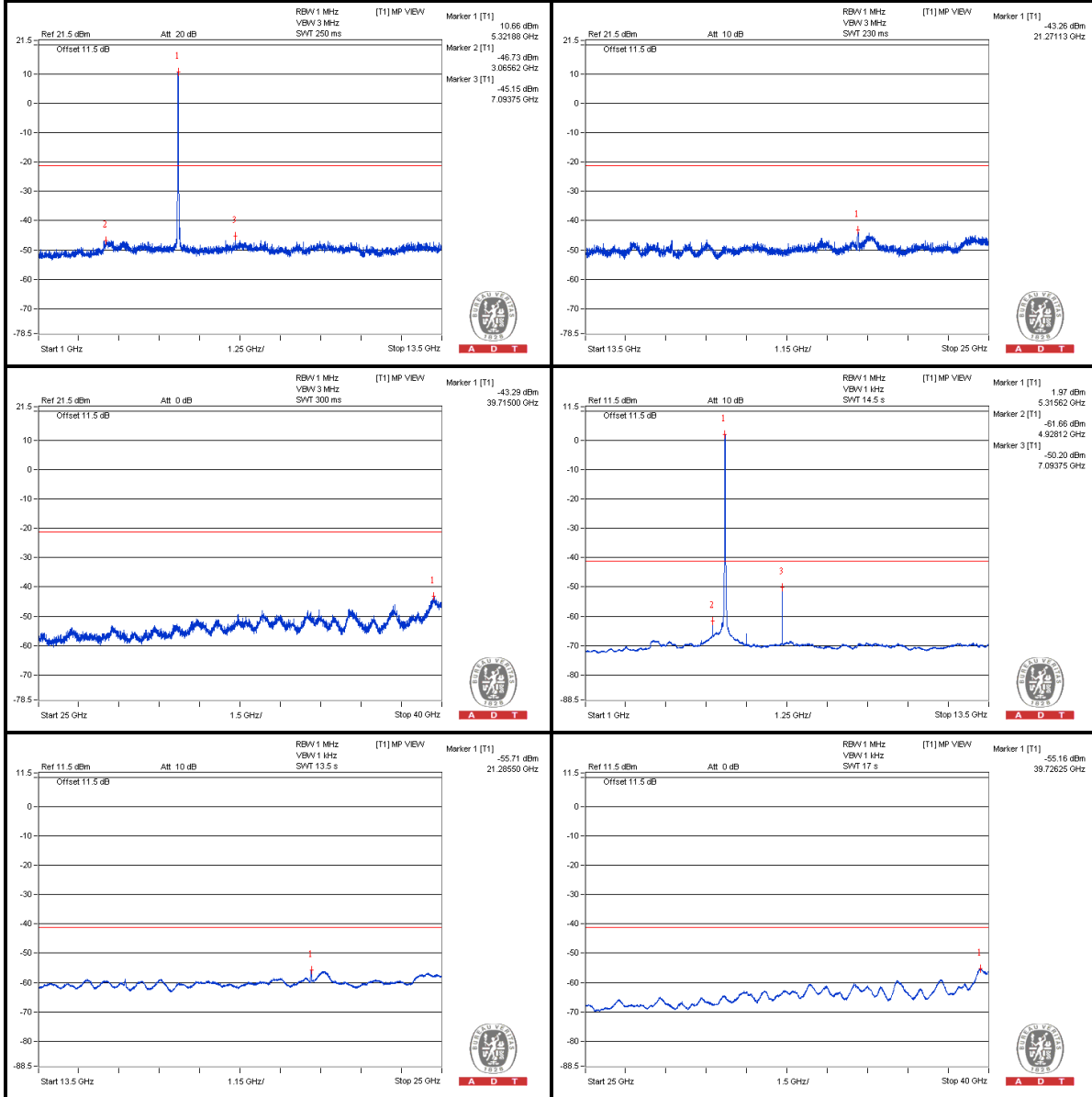
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.



A D T

### Chain (0)

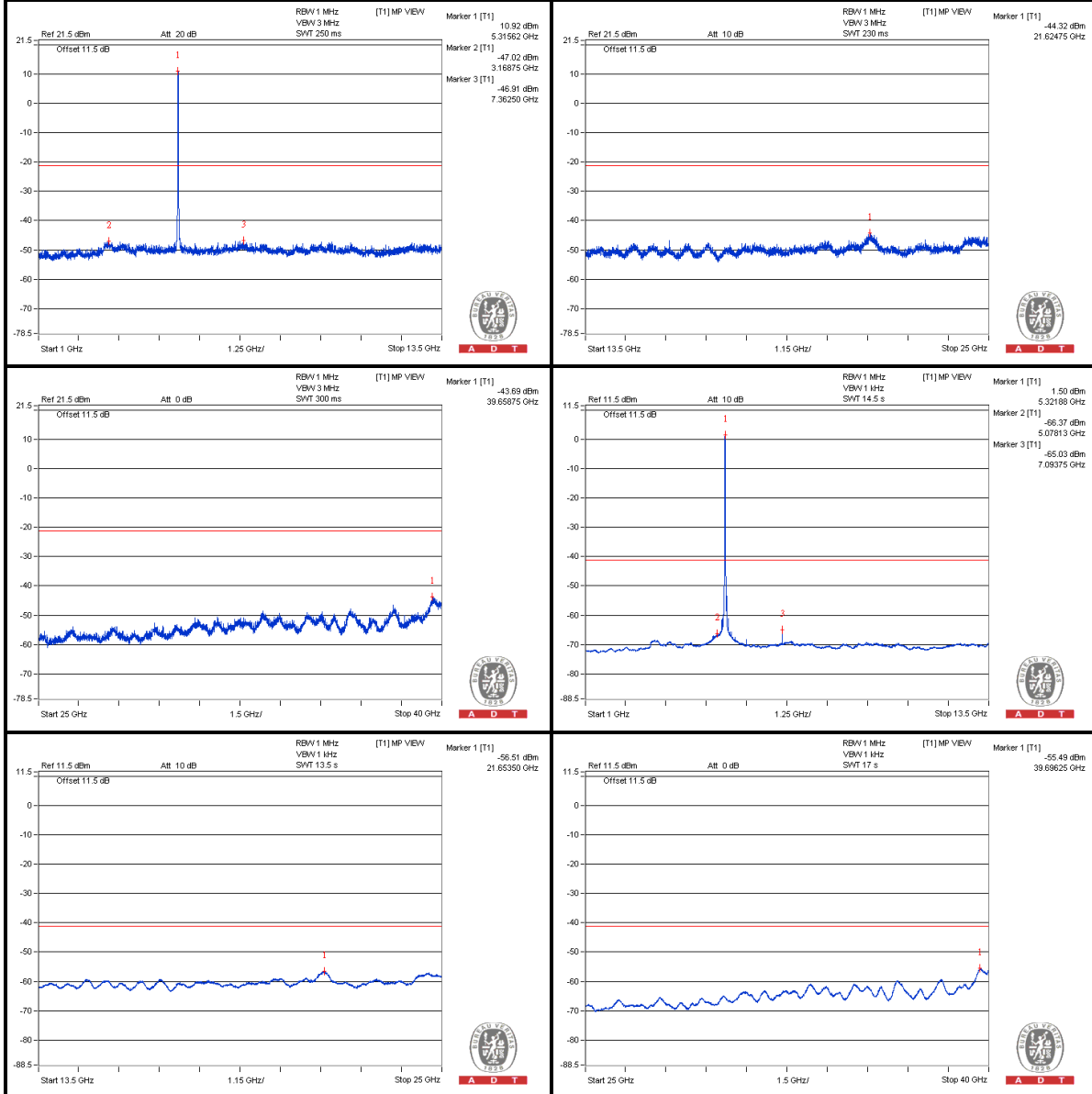






A D T

### Chain (1)



**Bandedge table**

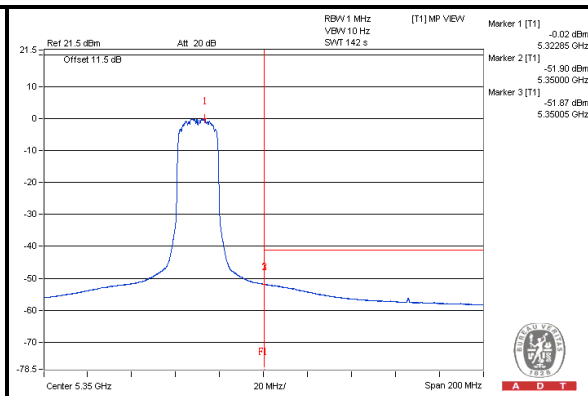
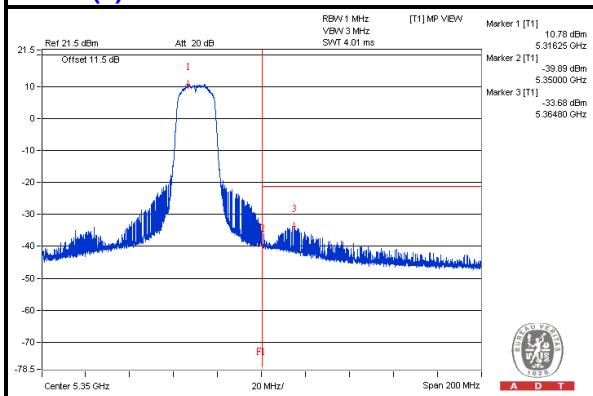
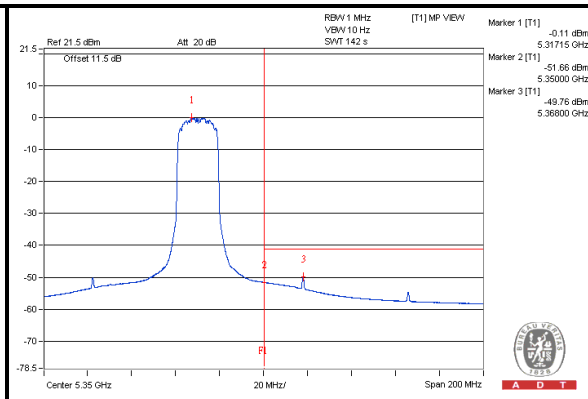
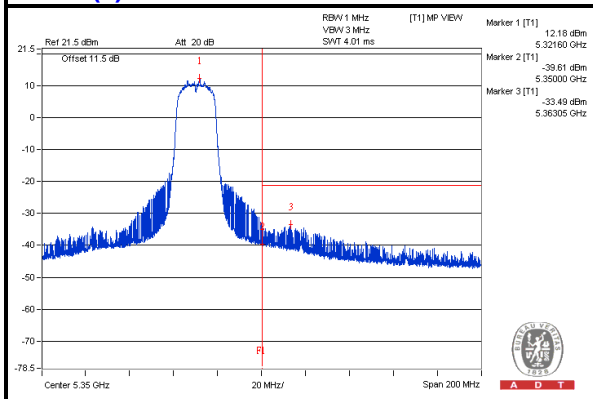
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	5365.3 PK	69.52	74	-4.48	-34.91	-34.77	6.09	-25.74
2	5368 AV	52.98	54	*-1.02	-54	-49.76	6.09	-42.28

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.

\* The unwanted emission was verified and the test result was passed by radiated measurement. (Please refer APPENDIX A)

**Chain (0)**

**Chain (1)**




A D T

### 802.11ac (VHT20) - Channel 100

#### Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3675 PK	58.03	74	-15.97	-46.64	-50.02	7.77	-37.23
2	3659.375 AV	36.48	54	-17.52	-69.44	-69.68	7.77	-58.78
3	7325 PK	58.15	74	-15.85	-47.89	-47.89	7.77	-37.11
4	7334.375 AV	49.41	54	-4.59	-53.79	-67.73	7.77	-45.85
5	10996.875 PK	56.61	74	-17.39	-48.25	-51.07	7.77	-38.65
6	11000 AV	35.77	54	-18.23	-70.57	-69.99	7.77	-59.49
7	16504.375 PK	60.56	74	-13.44	-43.42	-49.54	7.77	-34.7
8	16498.625 AV	48.14	54	-5.86	-56.5	-59.97	7.77	-47.12

Note :

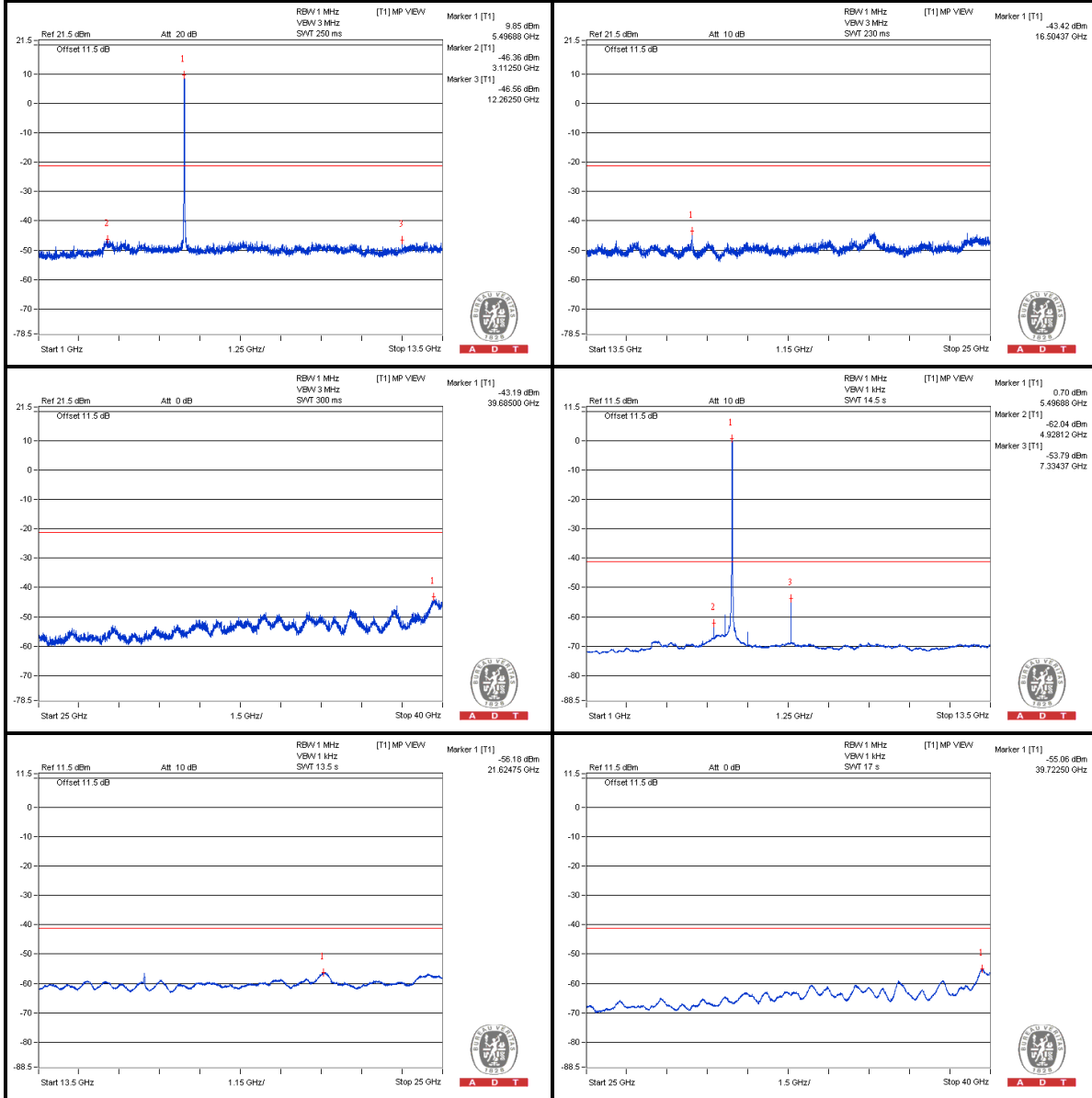
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.



A D T

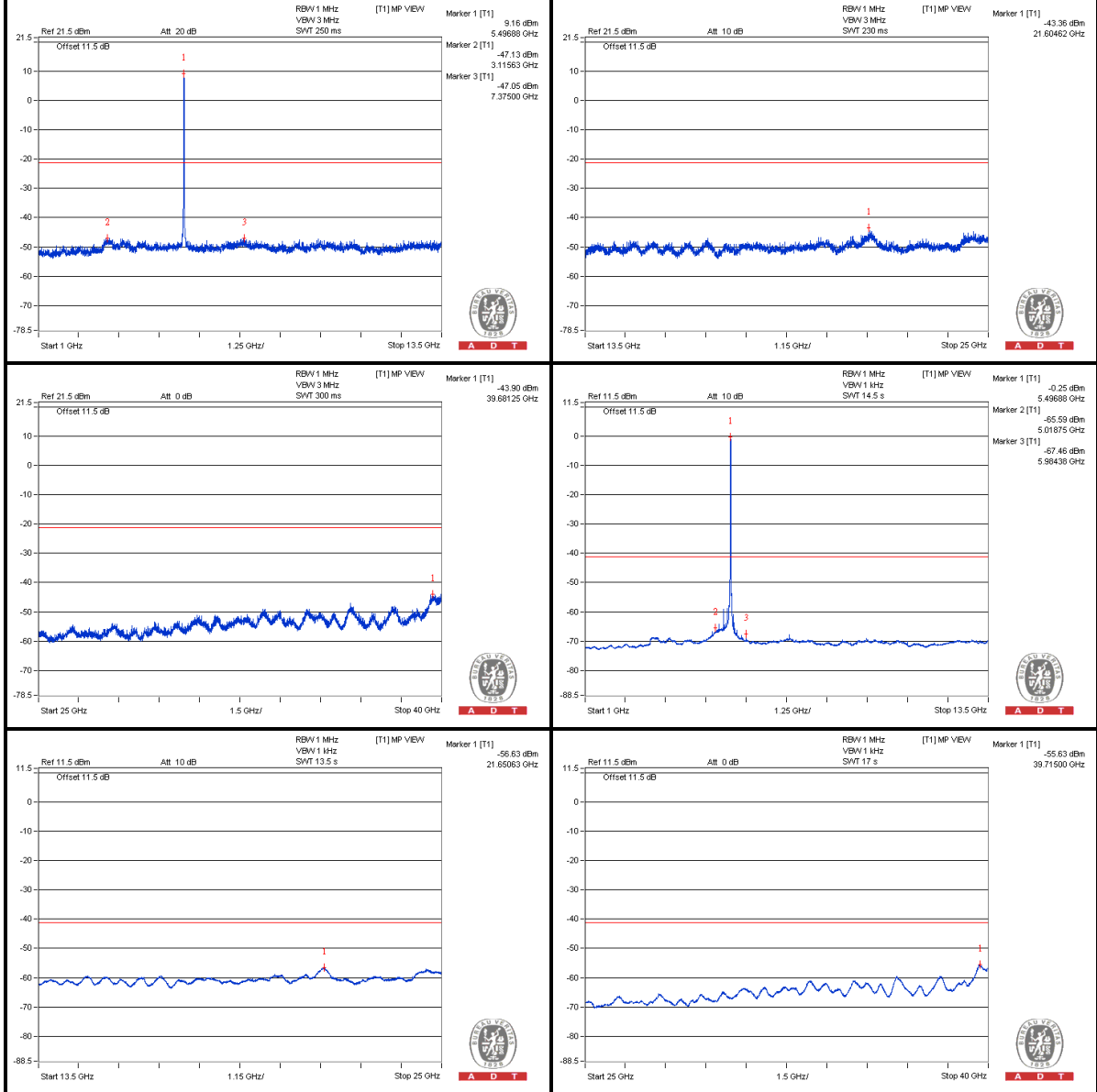
### Chain (0)





A D T

### Chain (1)



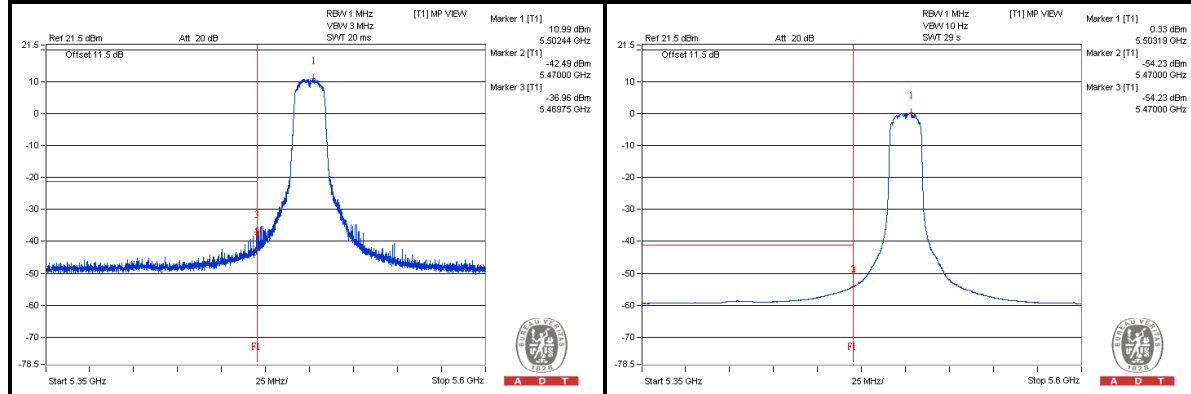
**Bandedge table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	5469.75 PK	67.13	74	-6.87	-36.96	-42.53	7.77	-28.13
2	5470 AV	51.95	54	-2.05	-54.23	-53.96	7.77	-43.31

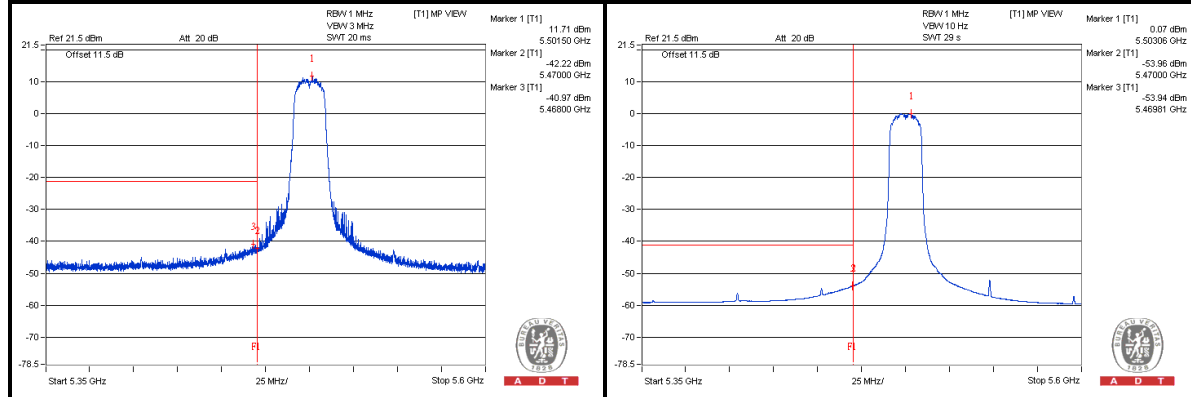
Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8  
d = measurement distance in 3 meters.

**Chain (0)**



**Chain (1)**





A D T

## 802.11ac (VHT20) - Channel 120

### Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3731.25 PK	57.32	74	-16.68	-48.05	-49.51	7.77	-37.94
2	3746.875 AV	36.39	54	-17.61	-69.45	-69.87	7.77	-58.87
3	7456.25 PK	56.93	74	-17.07	-49.18	-49.05	7.77	-38.33
4	7465.625 AV	45.58	54	-8.42	-57.69	-70.18	7.77	-49.68
5	11206.25 PK	56.11	74	-17.89	-49.95	-49.92	7.77	-39.15
6	11200 AV	36.88	54	-17.12	-70.13	-68.36	7.77	-58.38
7	16794.75 PK	68.04	74	-5.96	-35.13	-50.07	7.77	-27.22
8	16794.75 AV	54.48	54	* 0.48	-48.89	-59.78	7.77	-40.78

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

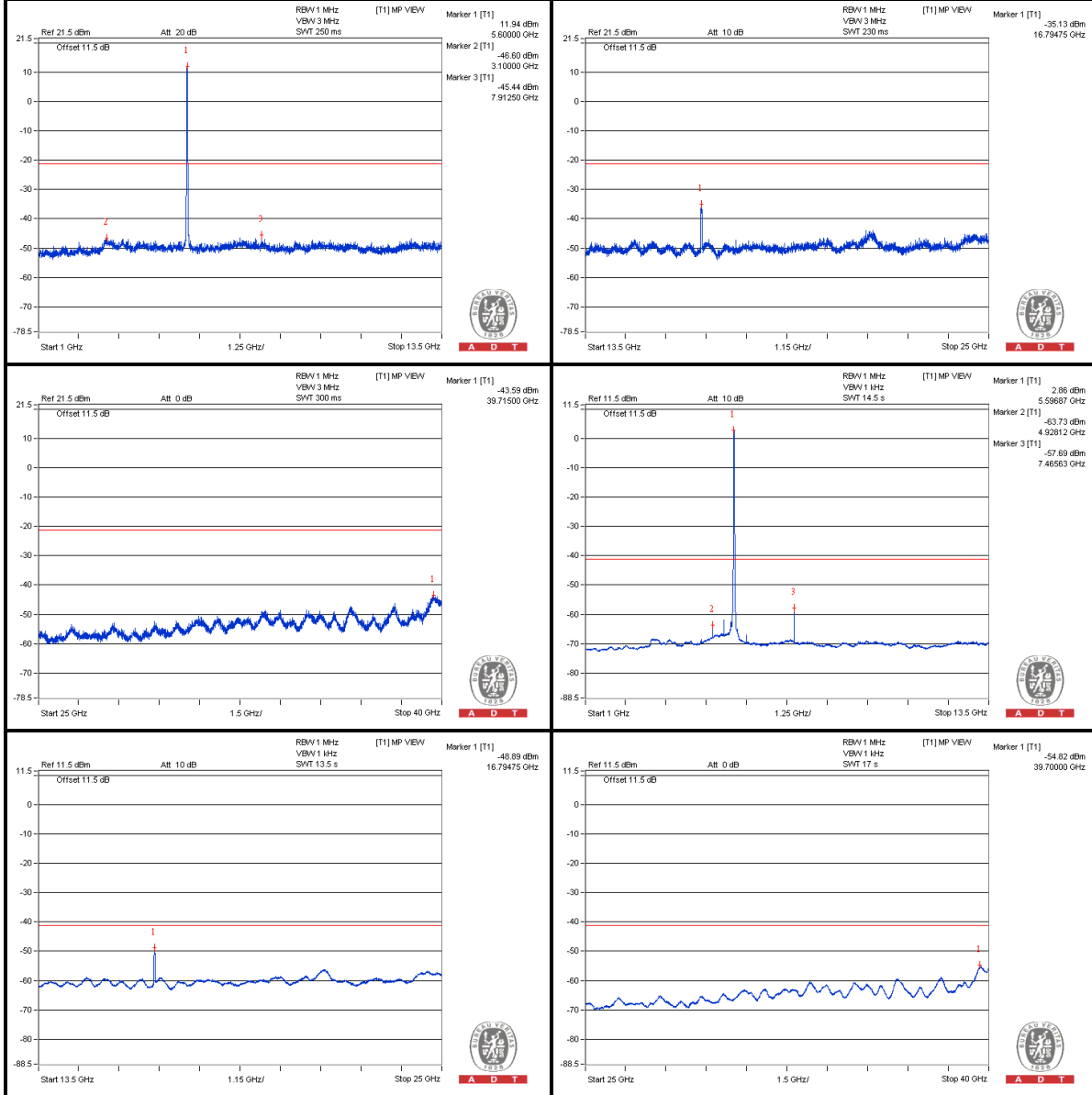
d = measurement distance in 3 meters.

\* The unwanted emission was verified and the test result was passed by radiated measurement.  
(Please refer APPENDIX A)



A D T

### Chain (0)

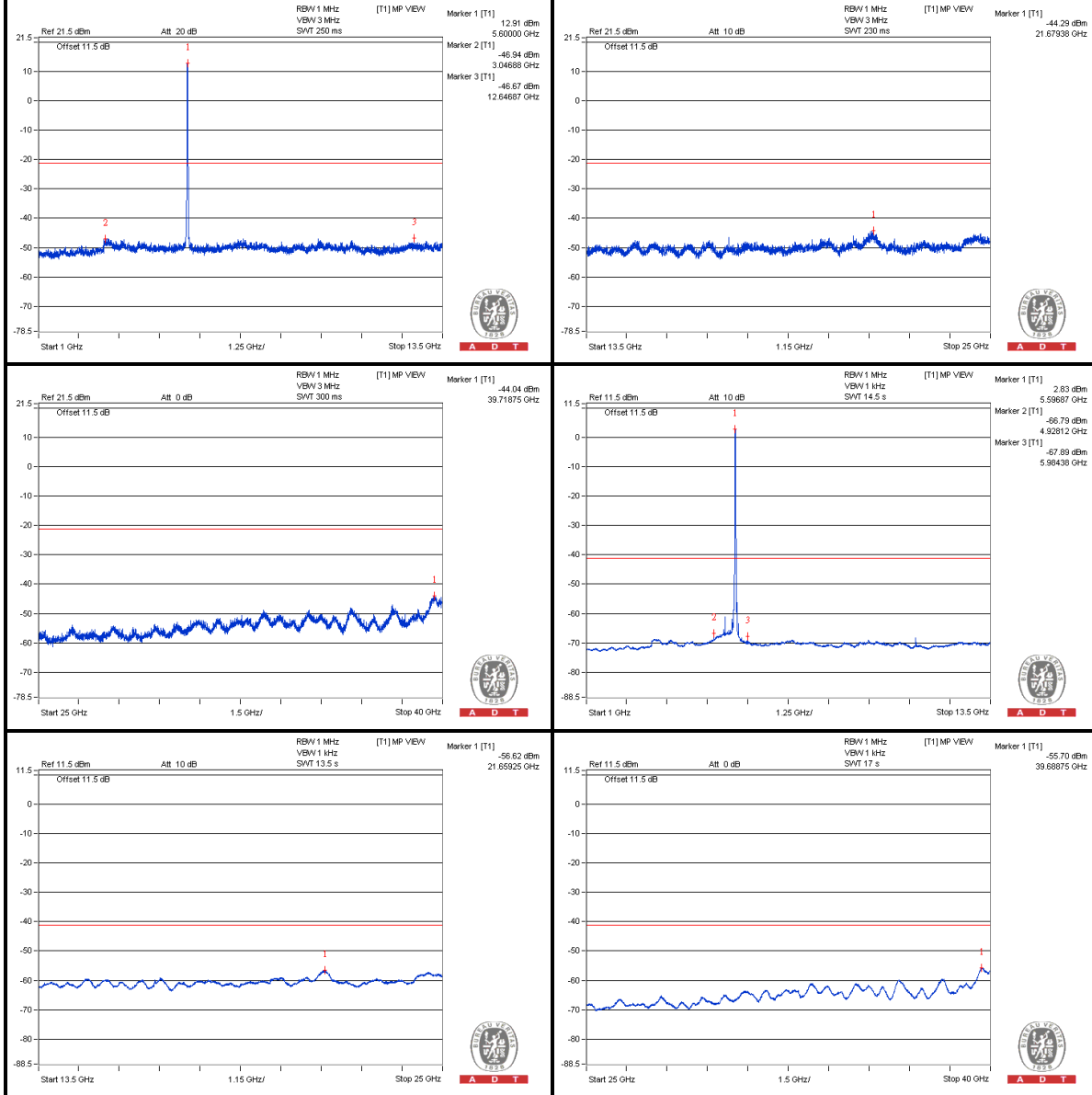






A D T

### Chain (1)

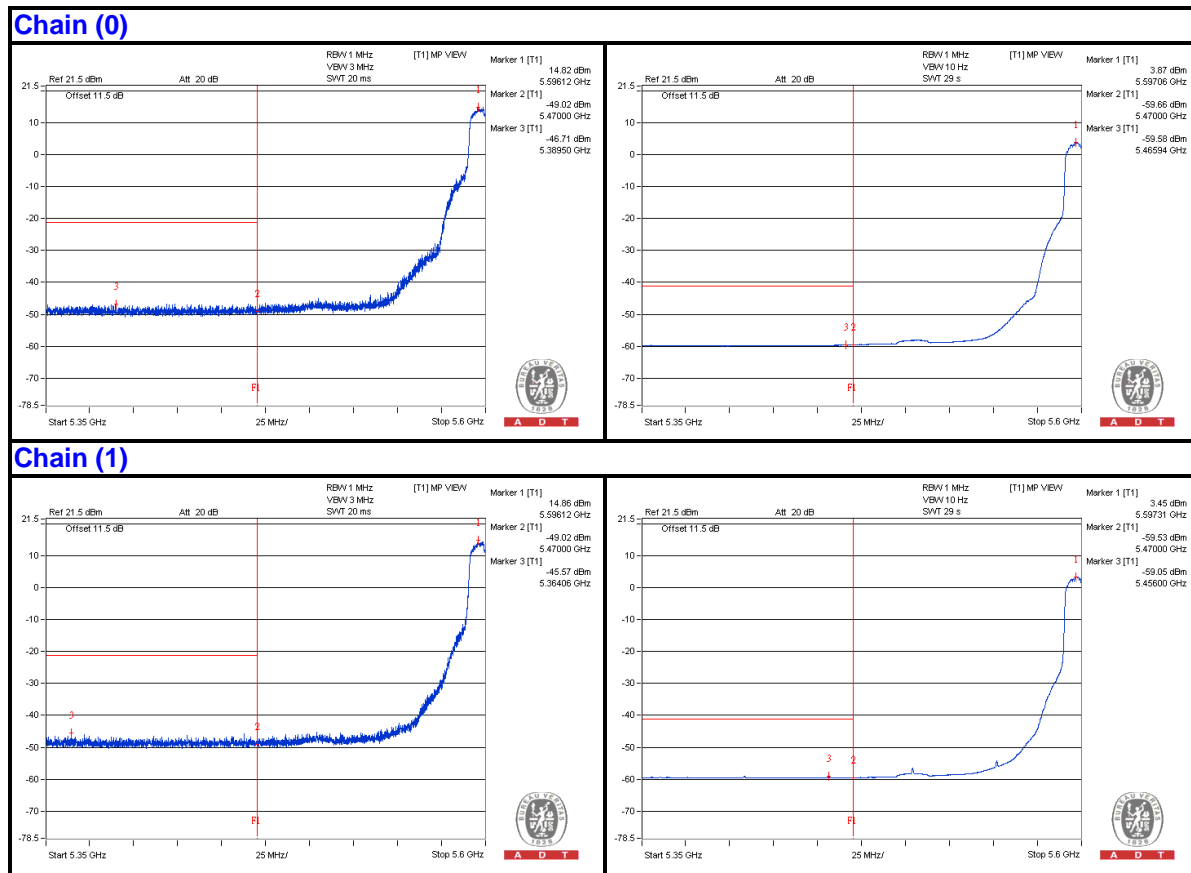


**Bandedge table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	5364.0625 PK	59.49	74	-14.51	-47.83	-45.57	7.77	-35.77
2	5456.0625 AV	46.65	54	-7.35	-59.75	-59.06	7.77	-48.61

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8  
d = measurement distance in 3 meters.





A D T

### 802.11ac (VHT20) - Channel 140

#### Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3787.5 PK	56.83	74	-17.17	-49.27	-49.15	7.77	-38.43
2	3781.25 AV	35.8	54	-18.2	-70.25	-70.23	7.77	-59.46
3	7618.75 PK	57.19	74	-16.81	-48.73	-48.98	7.77	-38.07
4	7600 AV	45.28	54	-8.72	-58.01	-70.14	7.77	-49.98
5	11418.75 PK	55.74	74	-18.26	-50.29	-50.31	7.77	-39.52
6	11400 AV	35.87	54	-18.13	-71.13	-69.39	7.77	-59.39
7	17096.625 PK	63.84	74	-10.16	-39.5	-50.77	7.77	-31.42
8	17099.5 AV	51.08	54	-2.92	-52.53	-61.02	7.77	-44.18

Note :

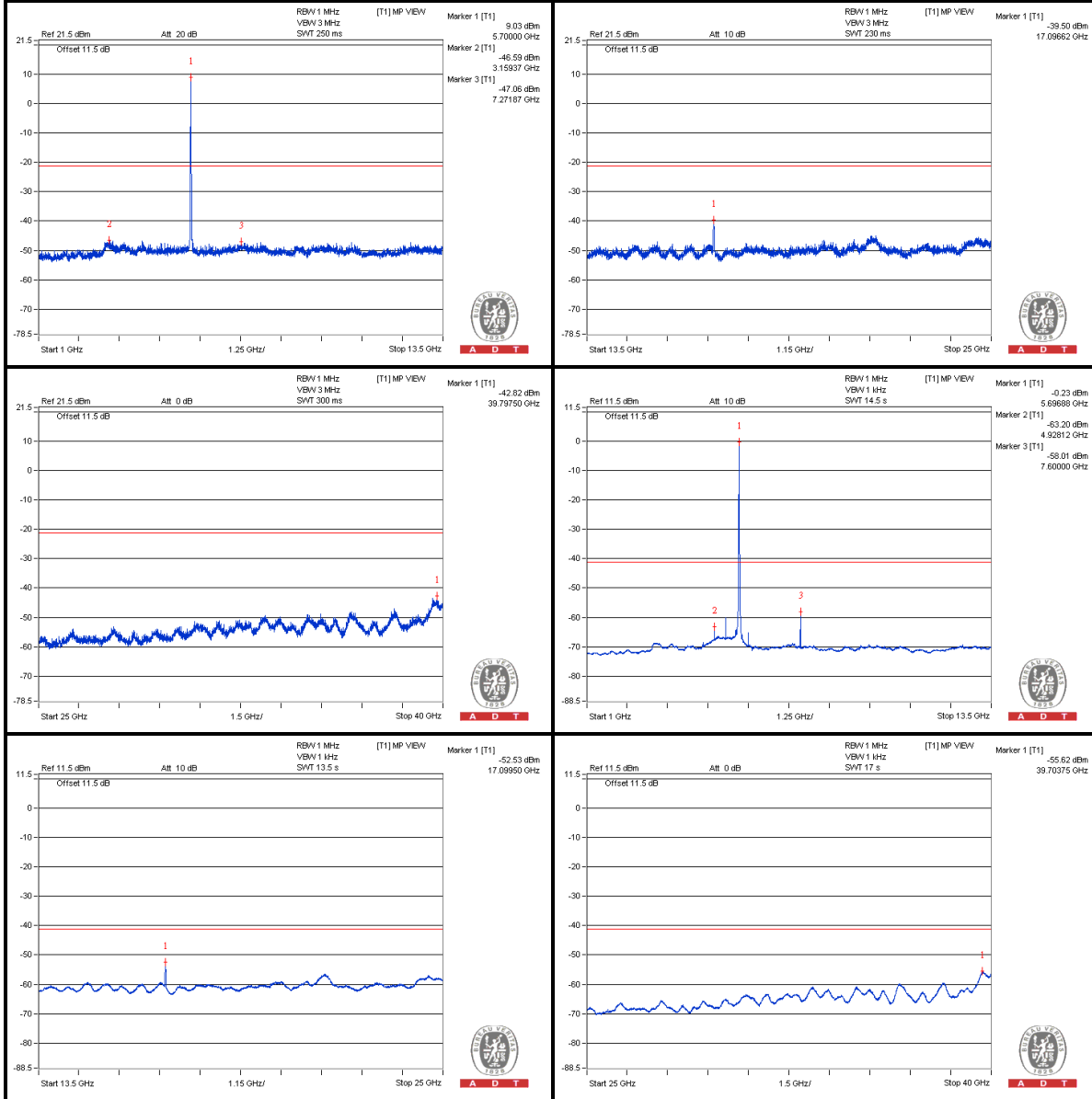
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.



A D T

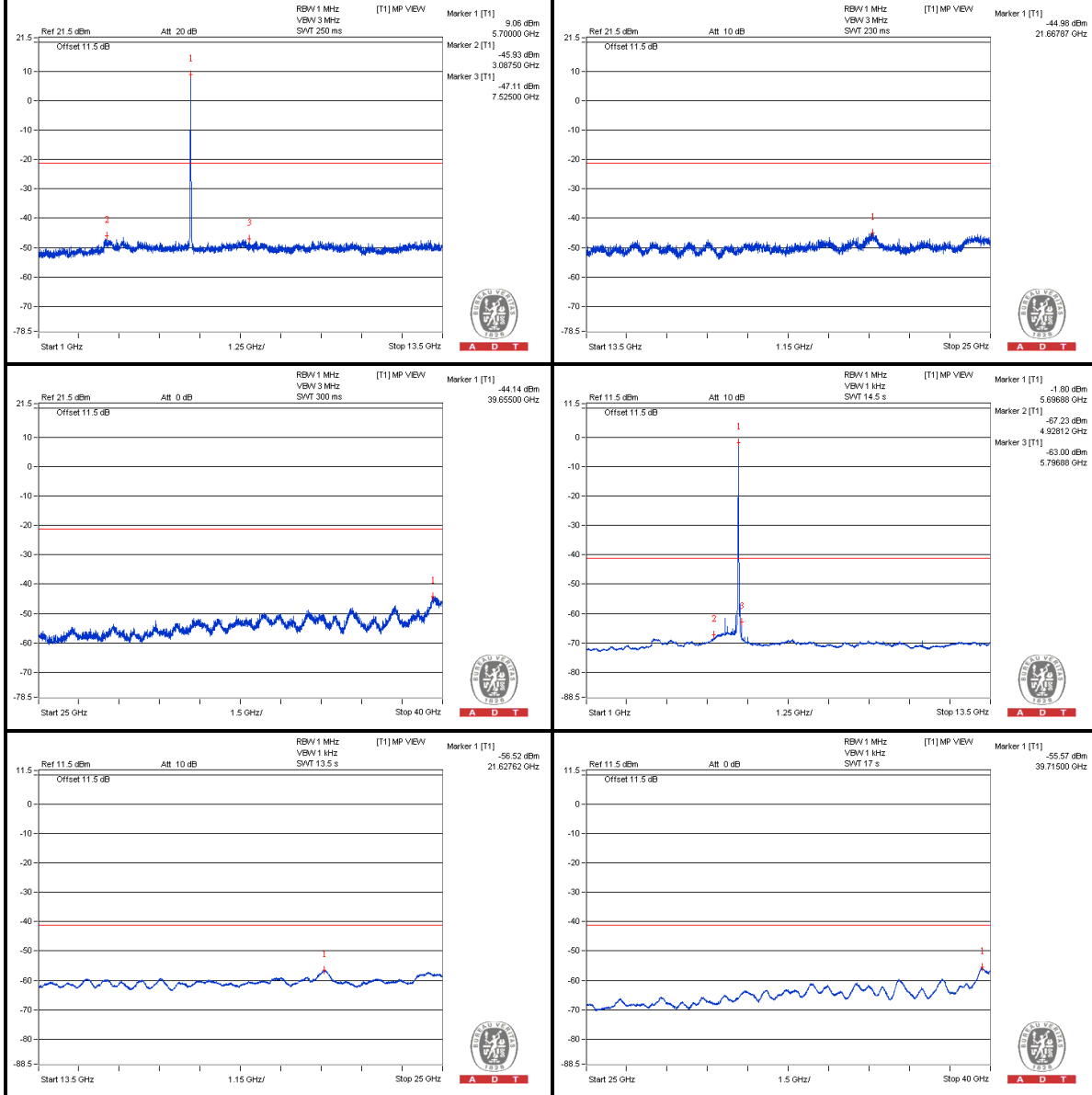
### Chain (0)





A D T

### Chain (1)



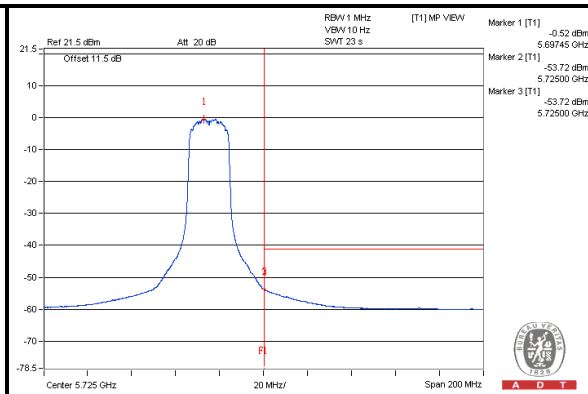
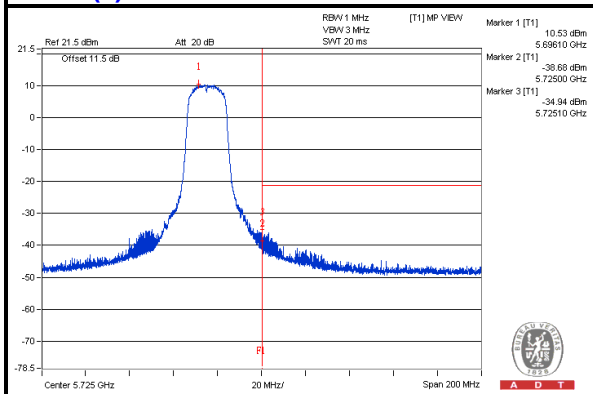
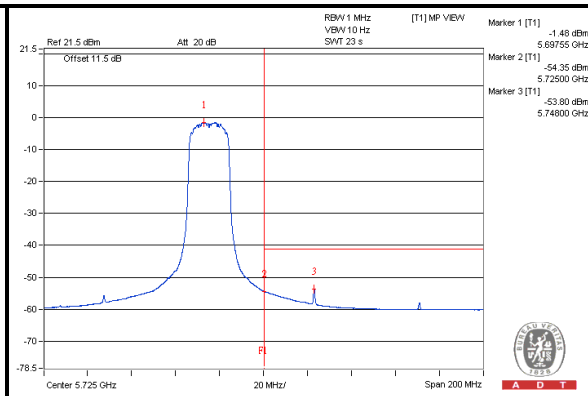
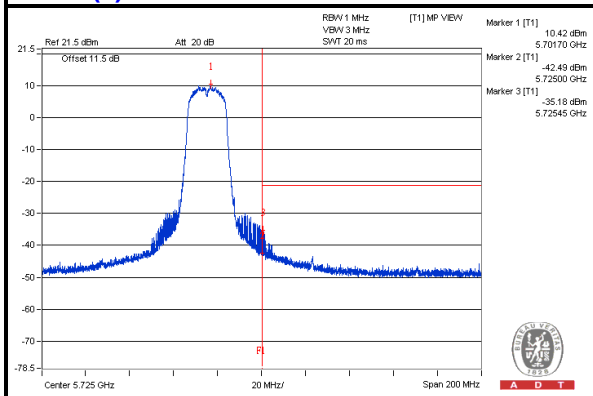
**Bandedge table**

No.	Frequency (MHz)	Emission Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	5725.15 PK	69.73	74	-4.27	-36.21	-36.41	7.77	-25.53
2	5725 AV	52.02	54	-1.98	-53.72	-54.35	7.77	-43.24

Note :

$$\text{Emission Level (dBUV/m)} = \text{EIRP Level (dBm)} - 20\log(d) + 104.8$$

d = measurement distance in 3 meters.

**Chain (0)**

**Chain (1)**




A D T

### 802.11ac (VHT20) - Channel 144

#### Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3793.75 PK	56.83	74	-17.17	-48.63	-49.89	7.77	-38.43
2	3793.75 AV	35.52	54	-18.48	-70.6	-70.45	7.77	-59.74
3	7615.625 PK	56.87	74	-17.13	-50.1	-48.41	7.77	-38.39
4	7628.125 AV	42.78	54	-11.22	-60.68	-70.53	7.77	-52.48
5	11450 PK	55.86	74	-18.14	-50.57	-49.83	7.77	-39.4
6	11440.625 AV	36.22	54	-17.78	-71.24	-68.75	7.77	-59.04
7	17151.25 PK	70.11	74	-3.89	-32.99	-50.6	7.77	-25.15
8	17159.875 AV	56.65	54	* 2.65	-46.5	-61.98	7.77	-38.61

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

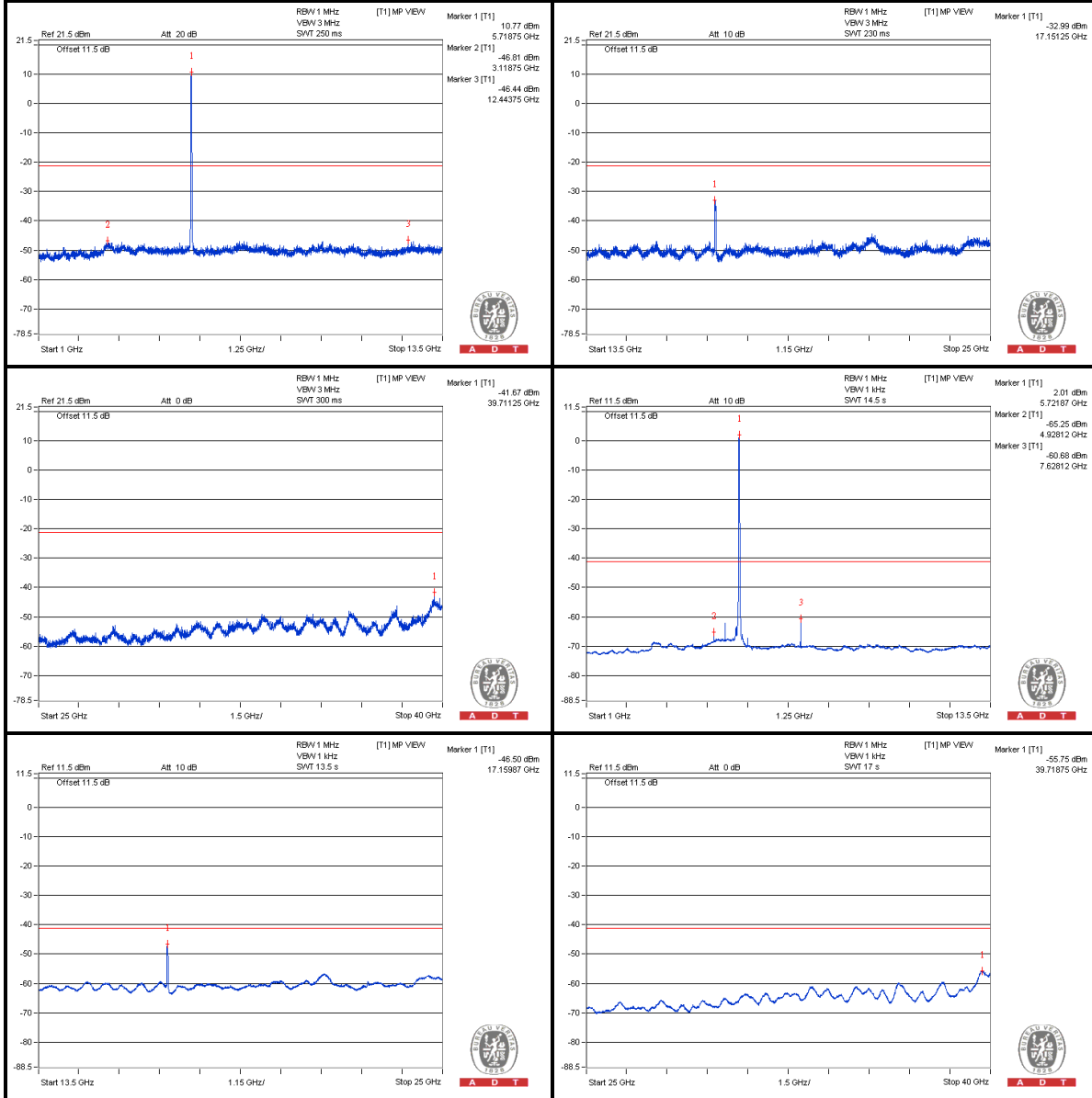
d = measurement distance in 3 meters.

\* The unwanted emission was verified and the test result was passed by radiated measurement. (Please refer APPENDIX A)



A D T

### Chain (0)

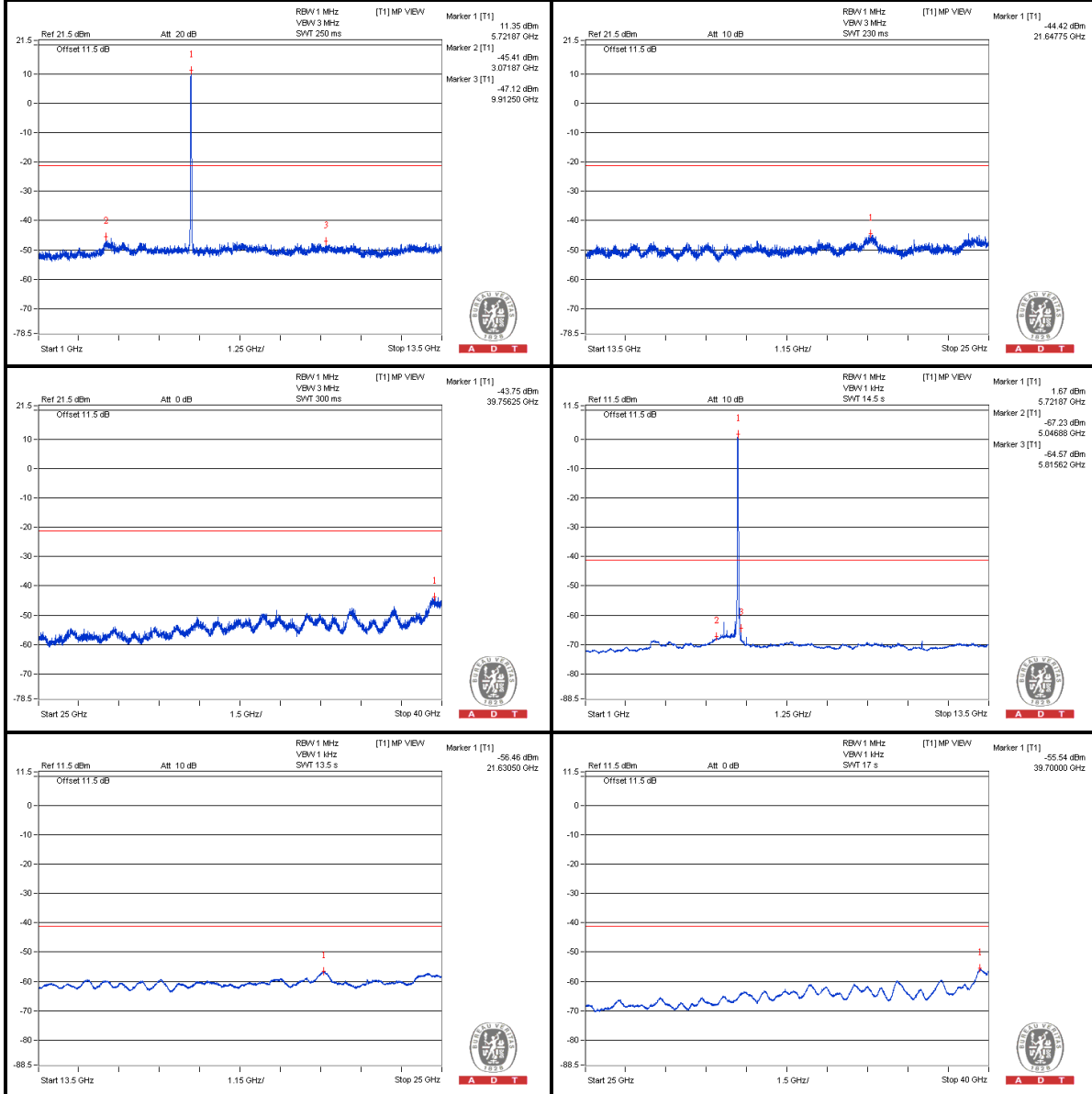






A D T

### Chain (1)

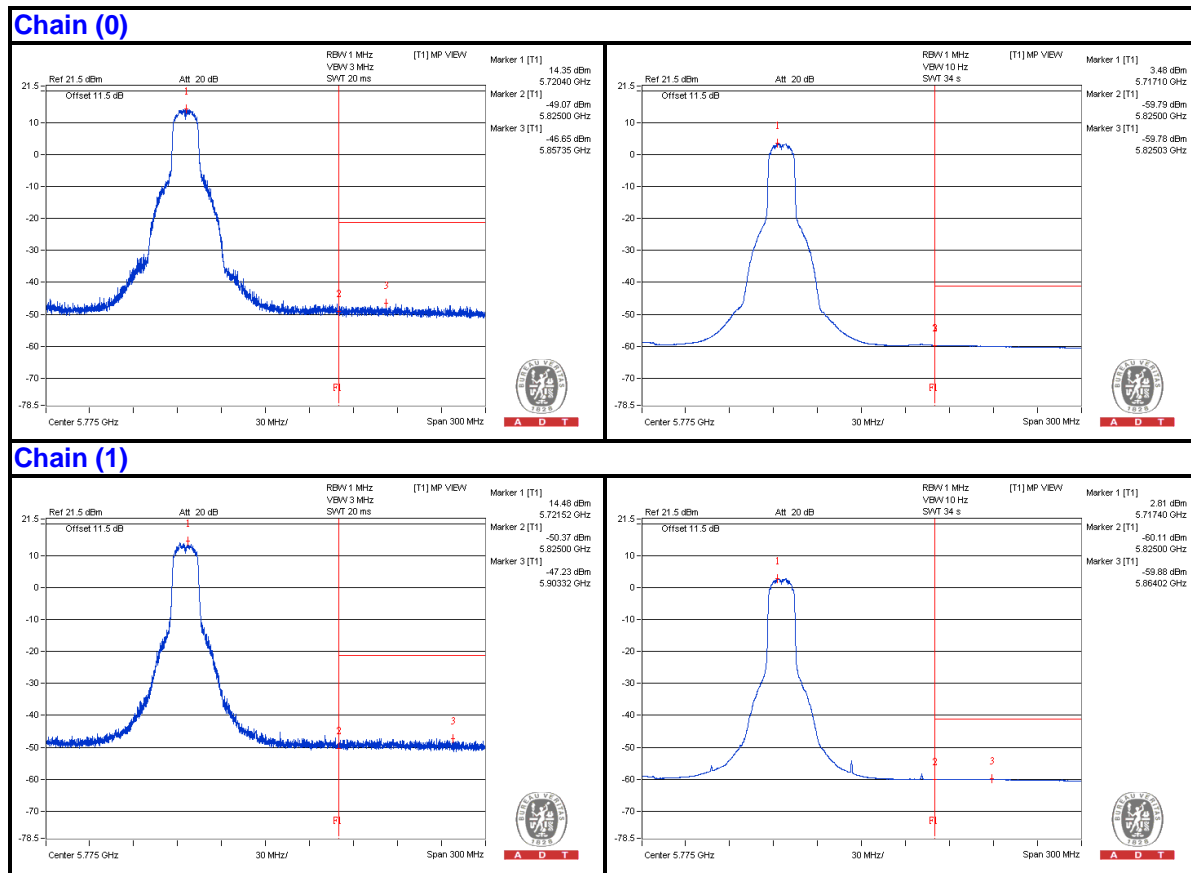


**Bandedge table**

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	5851.35 PK	58.48	74	-15.52	-47.57	-47.55	7.77	-36.78
2	5839.575 AV	46.12	54	-7.88	-59.83	-60.01	7.77	-49.14

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8  
d = measurement distance in 3 meters.





A D T

## 802.11ac (VHT20) - Channel 149

### Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3837.5 PK	56.06	74	-17.94	-49.68	-50.3	7.77	-39.2
2	3834.375 AV	35.09	54	-18.91	-70.97	-70.93	7.77	-60.17
3	7643.75 PK	57.33	74	-16.67	-48.03	-49.52	7.77	-37.93
4	7659.375 AV	43.16	54	-10.84	-60.28	-70.29	7.77	-52.1
5	11506.25 PK	55.02	74	-18.98	-50.46	-51.67	7.77	-40.24
6	11490.625 AV	35.56	54	-18.44	-71.59	-69.59	7.77	-59.7
7	17228.875 PK	64.62	74	-9.38	-38.54	-53.64	7.77	-30.64
8	17231.75 AV	50.94	54	-3.06	-52.42	-63.38	7.77	-44.32

Note :

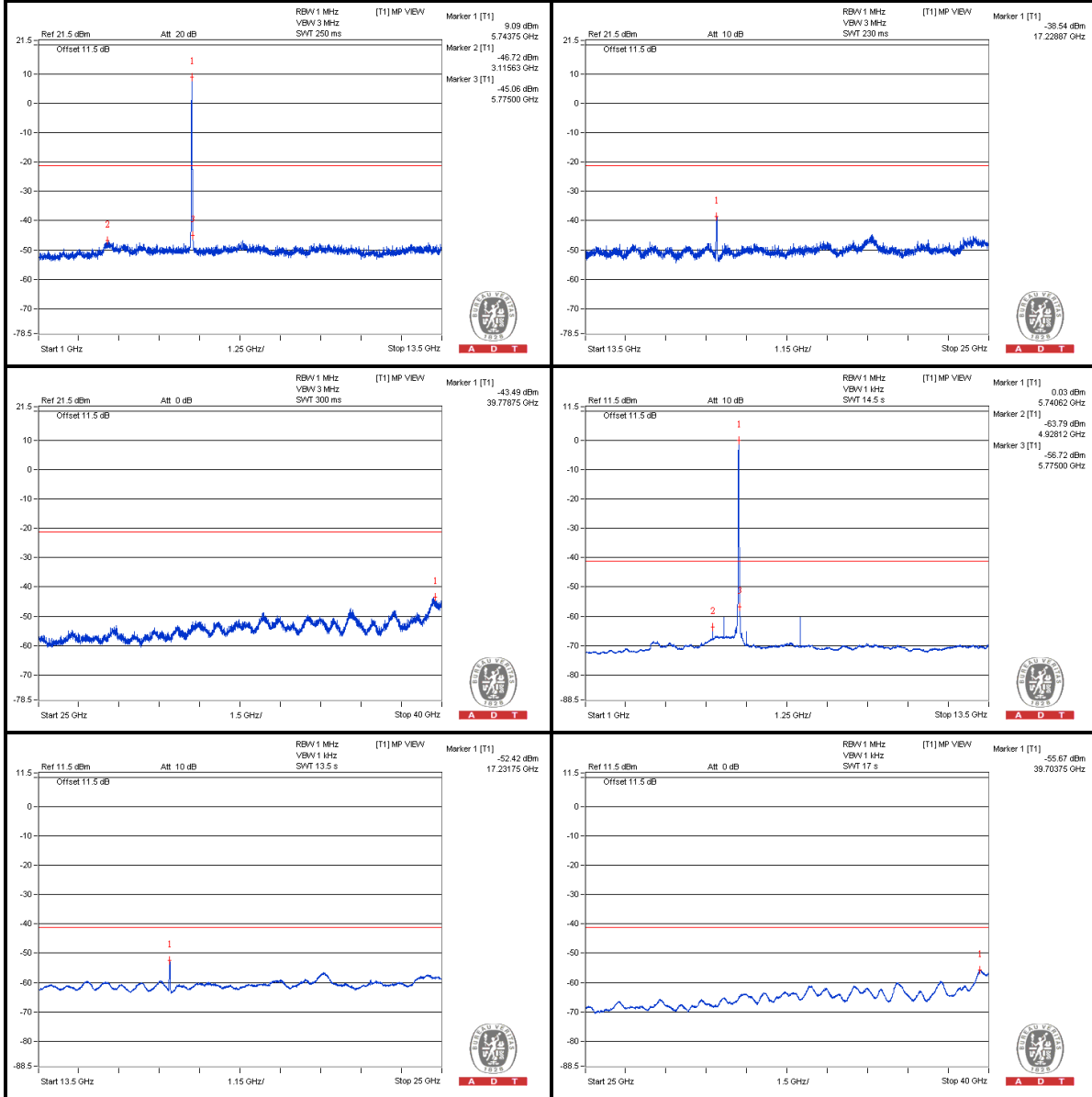
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.



A D T

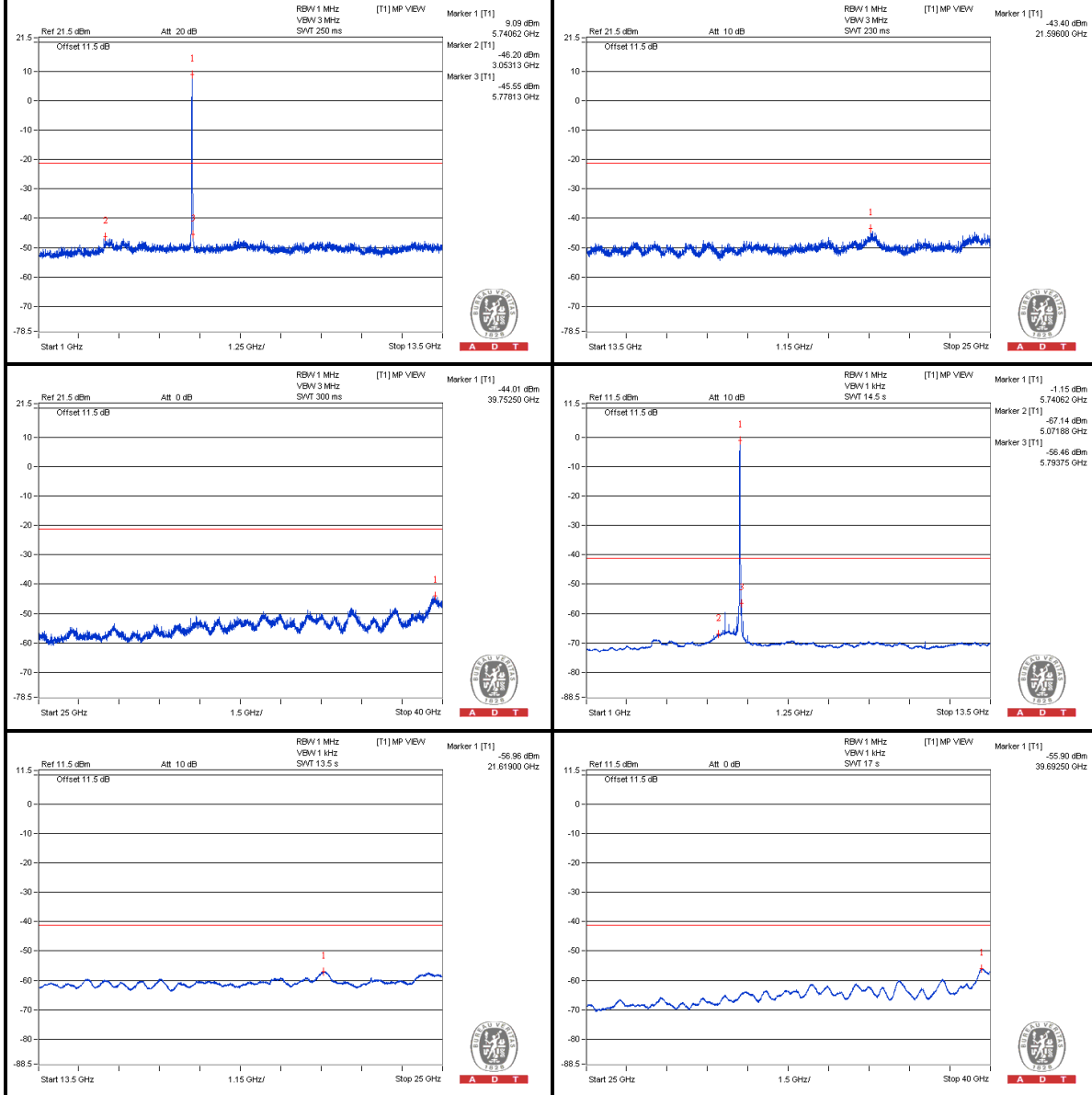
### Chain (0)





A D T

### Chain (1)



**Bandedge table**

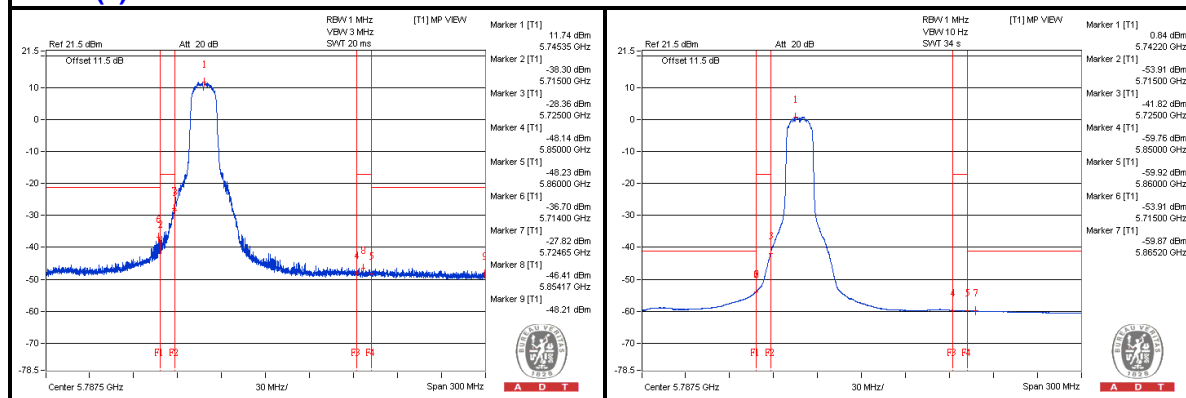
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	5714 PK	67.21	74	-6.79	-36.7	-43.19	7.77	-28.05
2	5714.975 AV	51.78	54	-2.22	-53.92	-54.62	7.77	-43.48
3	5724.65 PK	76	78.2	-2.2	-27.82	-34.81	7.77	-19.26
4	5858.375 PK	58.98	78.2	-19.22	-47.44	-46.72	7.77	-36.28
5	5885.525 PK	59.11	74	-14.89	-46.74	-47.12	7.77	-36.15
6	5865.05 AV	46.08	54	-7.92	-59.88	-60.05	7.77	-49.18

Note :

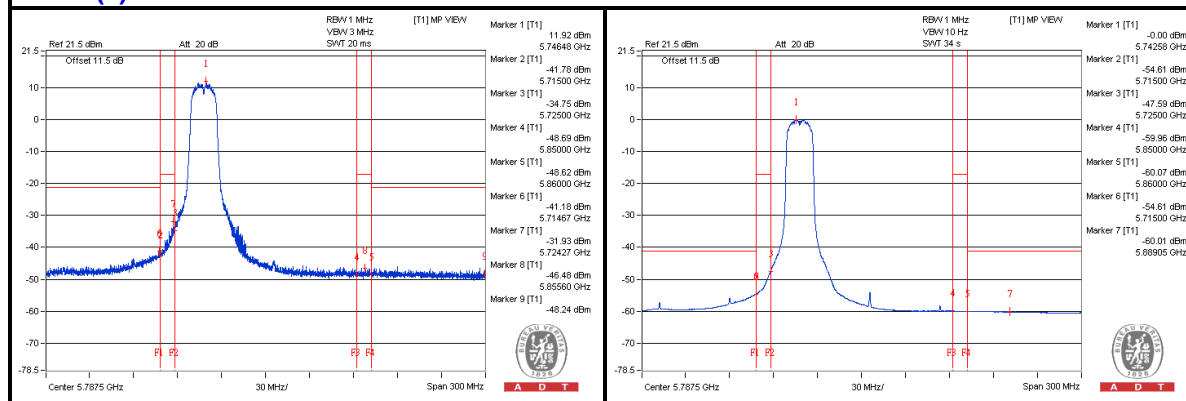
$$\text{Emission Level (dBuV/m)} = \text{EIRP Level (dBm)} - 20\log(d) + 104.8$$

d = measurement distance in 3 meters.

**Chain (0)**



**Chain (1)**





A D T

### 802.11ac (VHT20) - Channel 157

#### Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3850 PK	56	74	-18	-49.99	-50.1	7.77	-39.26
2	3853.125 AV	35.14	54	-18.86	-70.81	-70.99	7.77	-60.12
3	7721.875 PK	57.45	74	-16.55	-49.28	-48	7.77	-37.81
4	7712.5 AV	40.93	54	-13.07	-62.82	-70.28	7.77	-54.33
5	11556.25 PK	55.26	74	-18.74	-49.95	-51.81	7.77	-40
6	11571.875 AV	36.05	54	-17.95	-71.42	-68.92	7.77	-59.21
7	17355.375 PK	68.14	74	-5.86	-34.99	-51.42	7.77	-27.12
8	17349.625 AV	56.38	54	* 2.38	-46.76	-62.8	7.77	-38.88

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

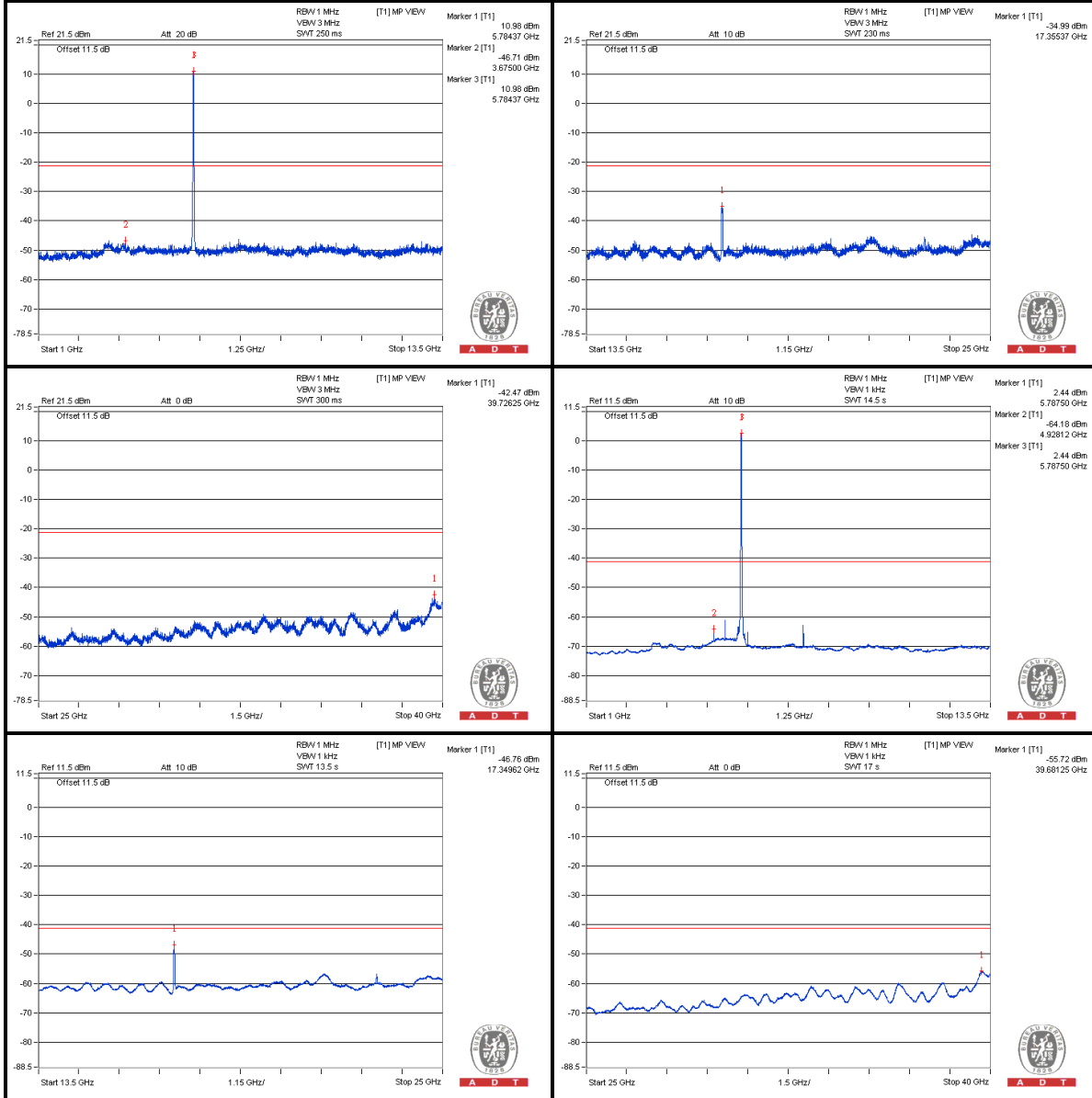
d = measurement distance in 3 meters.

\* The unwanted emission was verified and the test result was passed by radiated measurement. (Please refer APPENDIX A)



A D T

### Chain (0)

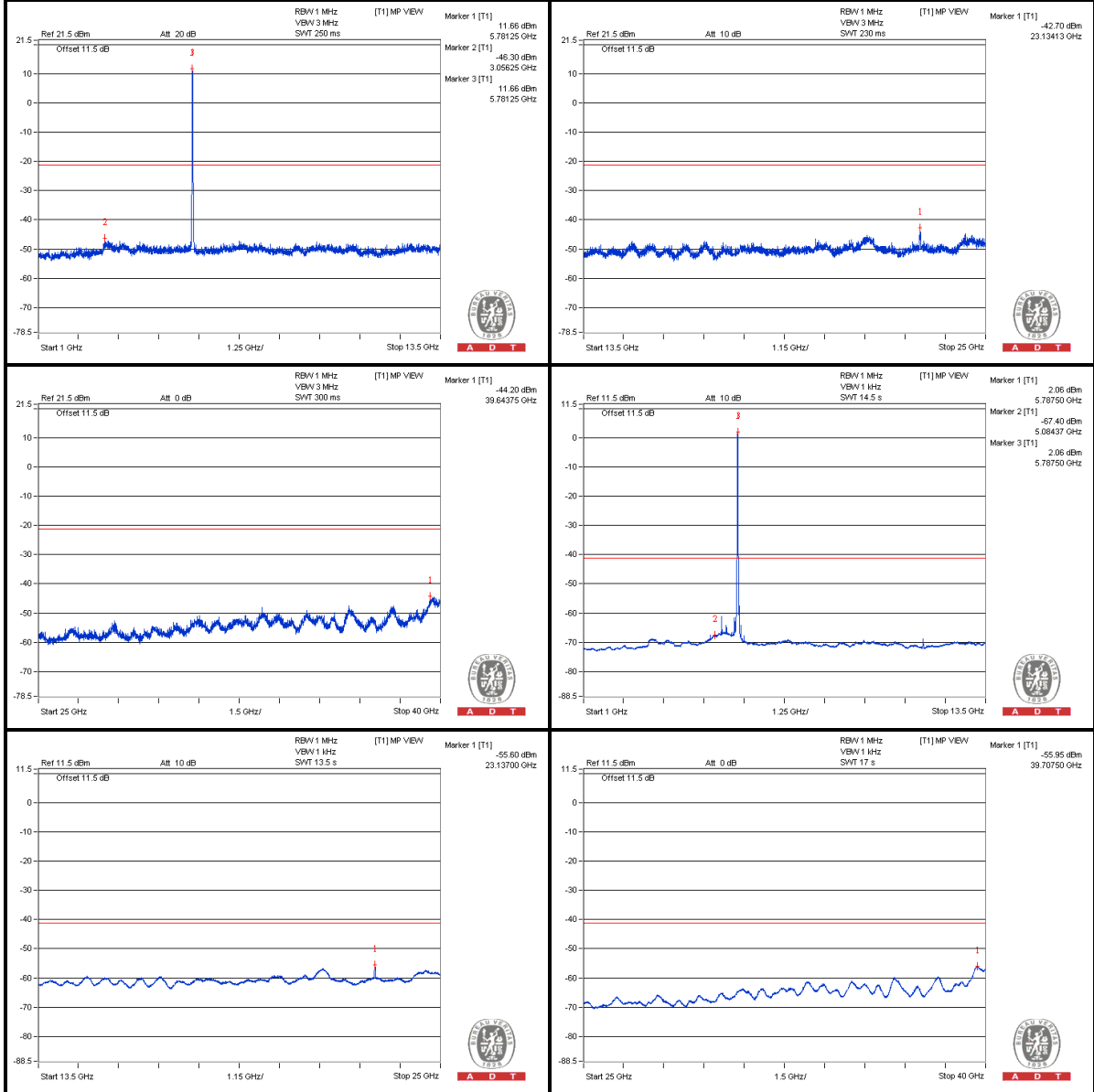






A D T

### Chain (1)



**Bandedge table**

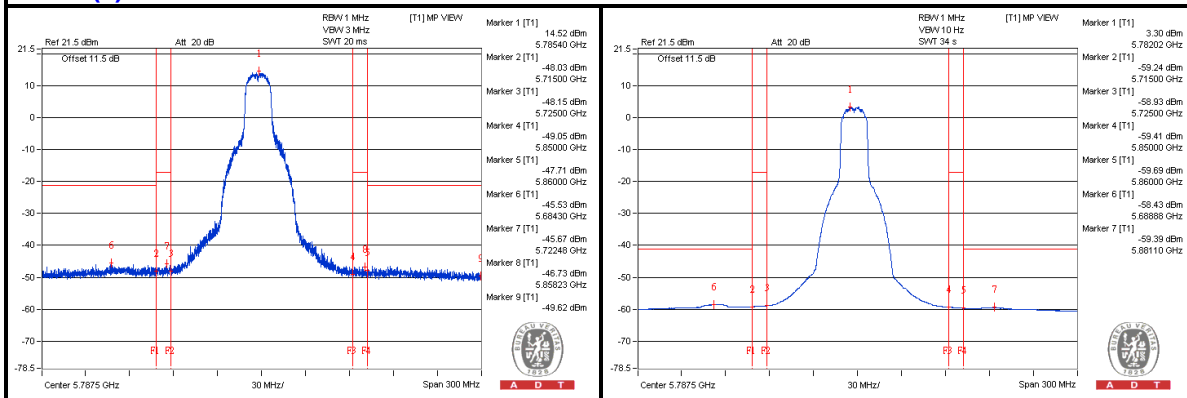
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	5692.175 PK	59.43	74	-14.57	-47.23	-46.06	7.77	-35.83
2	5689.025 AV	48.05	54	-5.95	-58.47	-57.56	7.77	-47.21
3	5716.7 PK	59.34	78.2	-18.86	-46.94	-46.48	7.77	-35.92
4	5852.675 PK	58.48	78.2	-19.72	-49.7	-46.14	7.77	-36.78
5	5875.25 PK	58.67	74	-15.33	-46.61	-48.3	7.77	-36.59
6	5881.025 AV	46.9	54	-7.1	-59.39	-58.9	7.77	-48.36

Note :

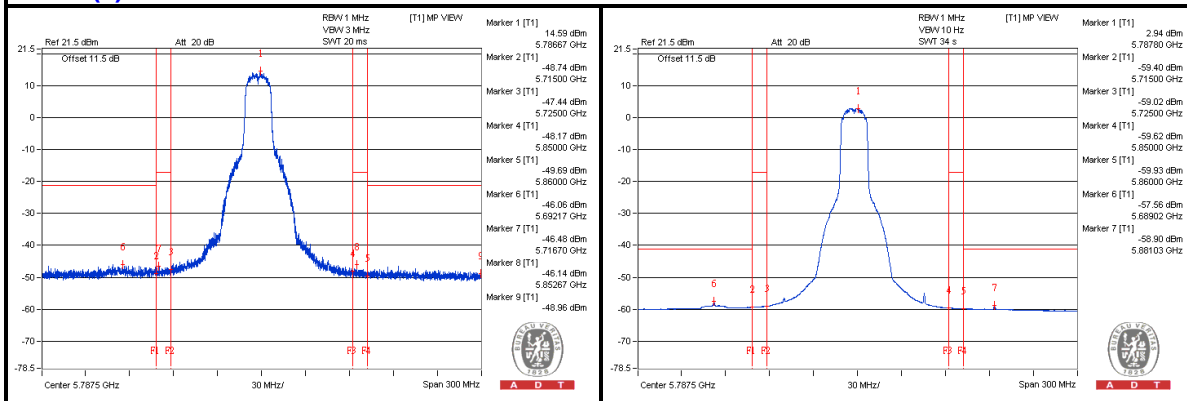
$$\text{Emission Level (dBuV/m)} = \text{EIRP Level (dBm)} - 20\log(d) + 104.8$$

d = measurement distance in 3 meters.

**Chain (0)**



**Chain (1)**





A D T

### 802.11ac (VHT20) - Channel 165

#### Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3865.625 PK	56.04	74	-17.96	-49.87	-50.14	7.77	-39.22
2	3884.375 AV	35.19	54	-18.81	-70.59	-71.13	7.77	-60.07
3	7750 PK	56.69	74	-17.31	-49.67	-49.05	7.77	-38.57
4	7765.625 AV	39.94	54	-14.06	-64.02	-70.23	7.77	-55.32
5	11659.375 PK	55.09	74	-18.91	-50.92	-50.99	7.77	-40.17
6	11650 AV	36.23	54	-17.77	-71.19	-68.77	7.77	-59.03
7	17476.125 PK	69.62	74	-4.38	-33.53	-49.02	7.77	-25.64
8	17470.375 AV	55.16	54	* 1.16	-48.08	-61.03	7.77	-40.1

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

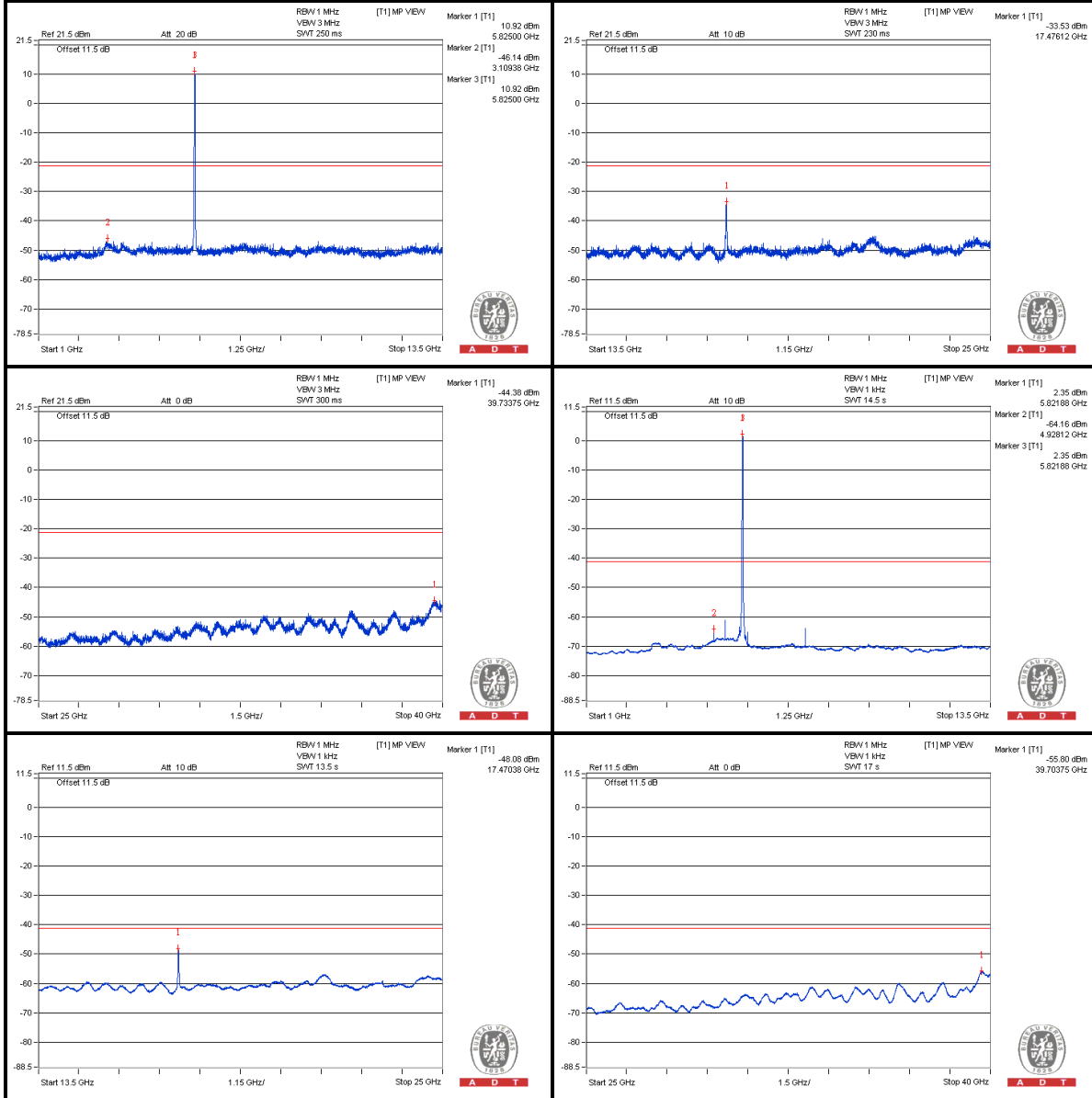
d = measurement distance in 3 meters.

\* The unwanted emission was verified and the test result was passed by radiated measurement. (Please refer APPENDIX A)



A D T

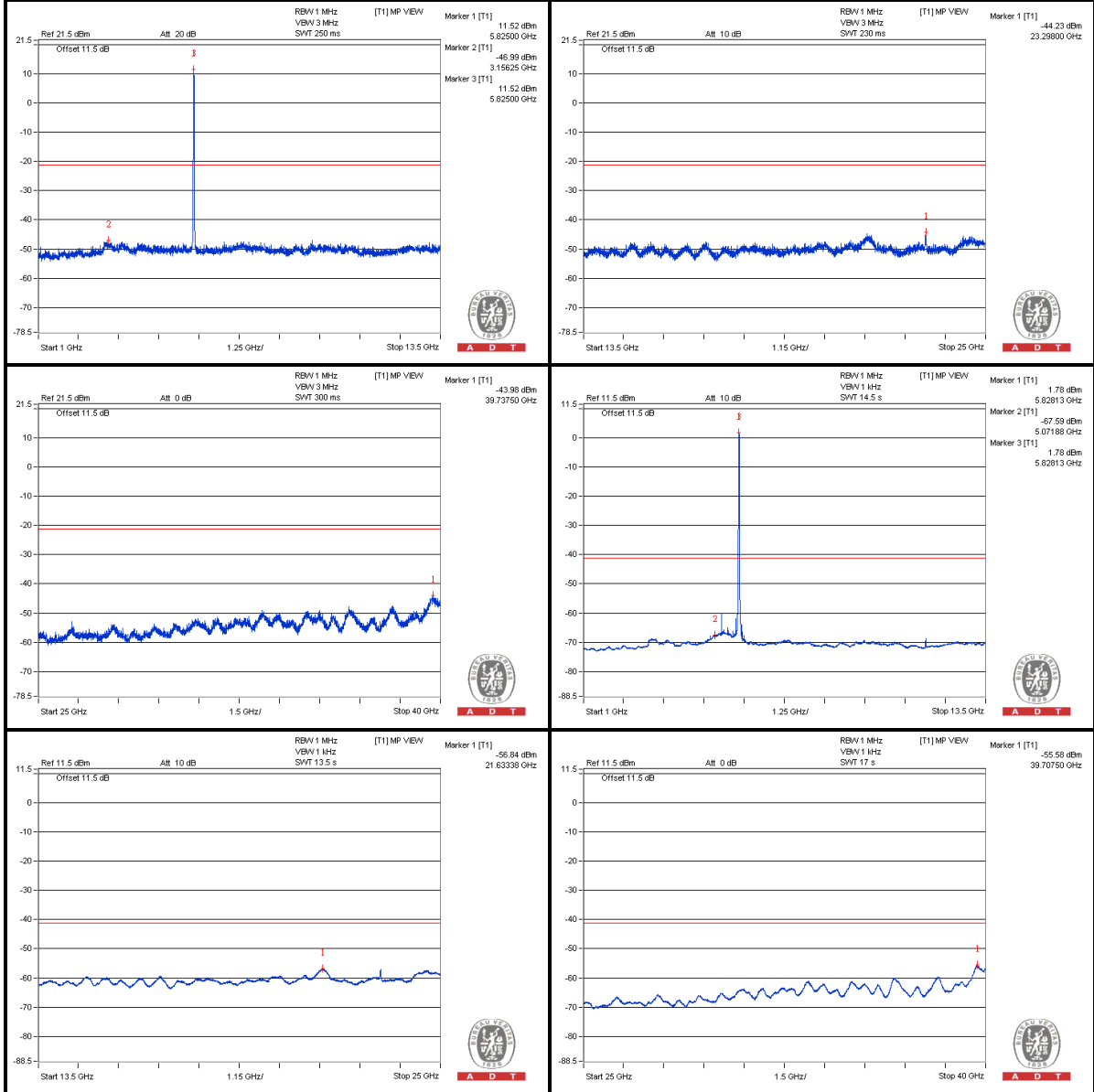
### Chain (0)





A D T

### Chain (1)





A D T

**Bandedge table**

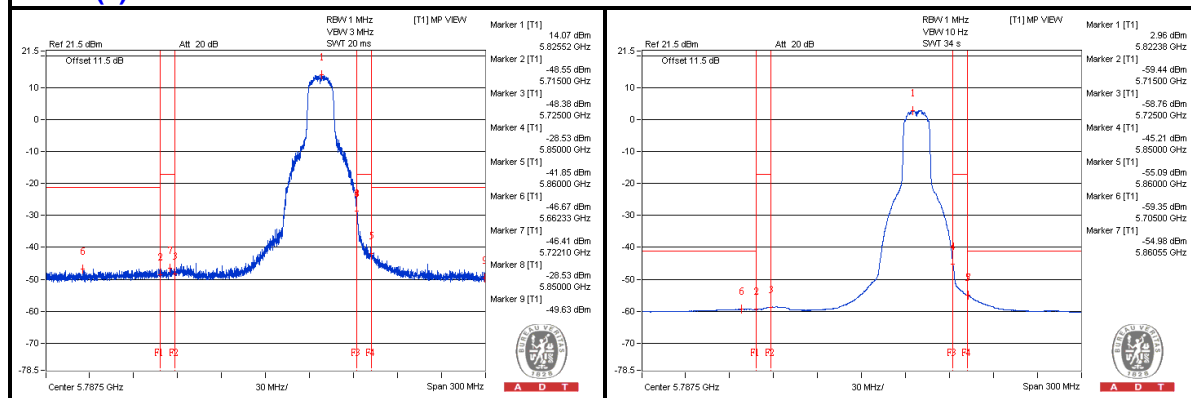
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	5698.625 PK	58.82	74	-15.18	-47.84	-46.67	7.77	-36.44
2	5705.525 AV	46.5	54	-7.5	-59.38	-59.7	7.77	-48.76
3	5724.35 PK	59.14	78.2	-19.06	-47.94	-46.06	7.77	-36.12
4	5850.05 PK	76.3	78.2	-1.9	-28.56	-31.38	7.77	-18.96
5	5860.4 PK	64.41	74	-9.59	-43.46	-40.34	7.77	-30.85
6	5860.55 AV	50.83	54	-3.17	-54.98	-55.46	7.77	-44.43

Note :

$$\text{Emission Level (dBuV/m)} = \text{EIRP Level (dBm)} - 20\log(d) + 104.8$$

d = measurement distance in 3 meters.

**Chain (0)**



**Chain (1)**

