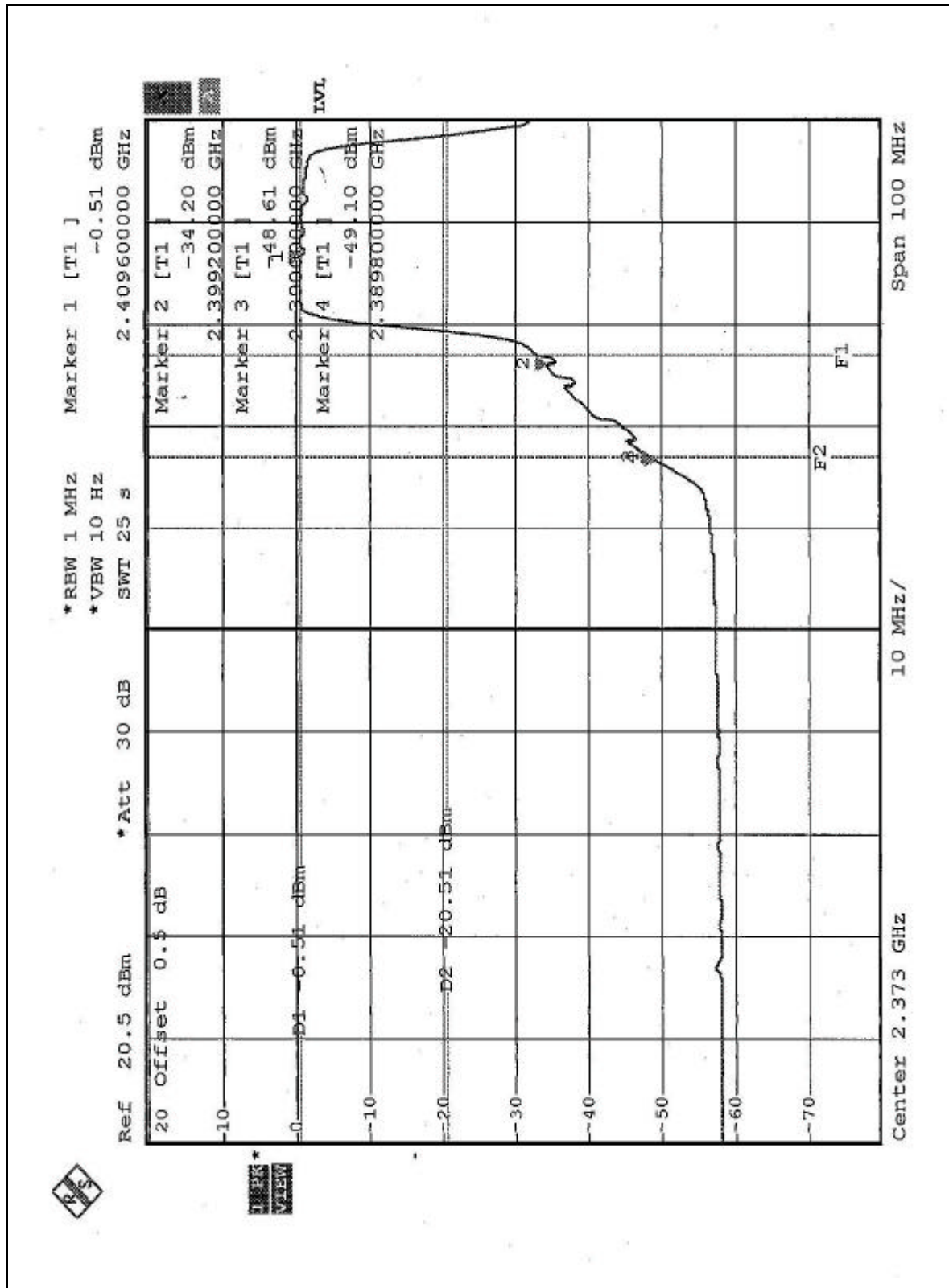
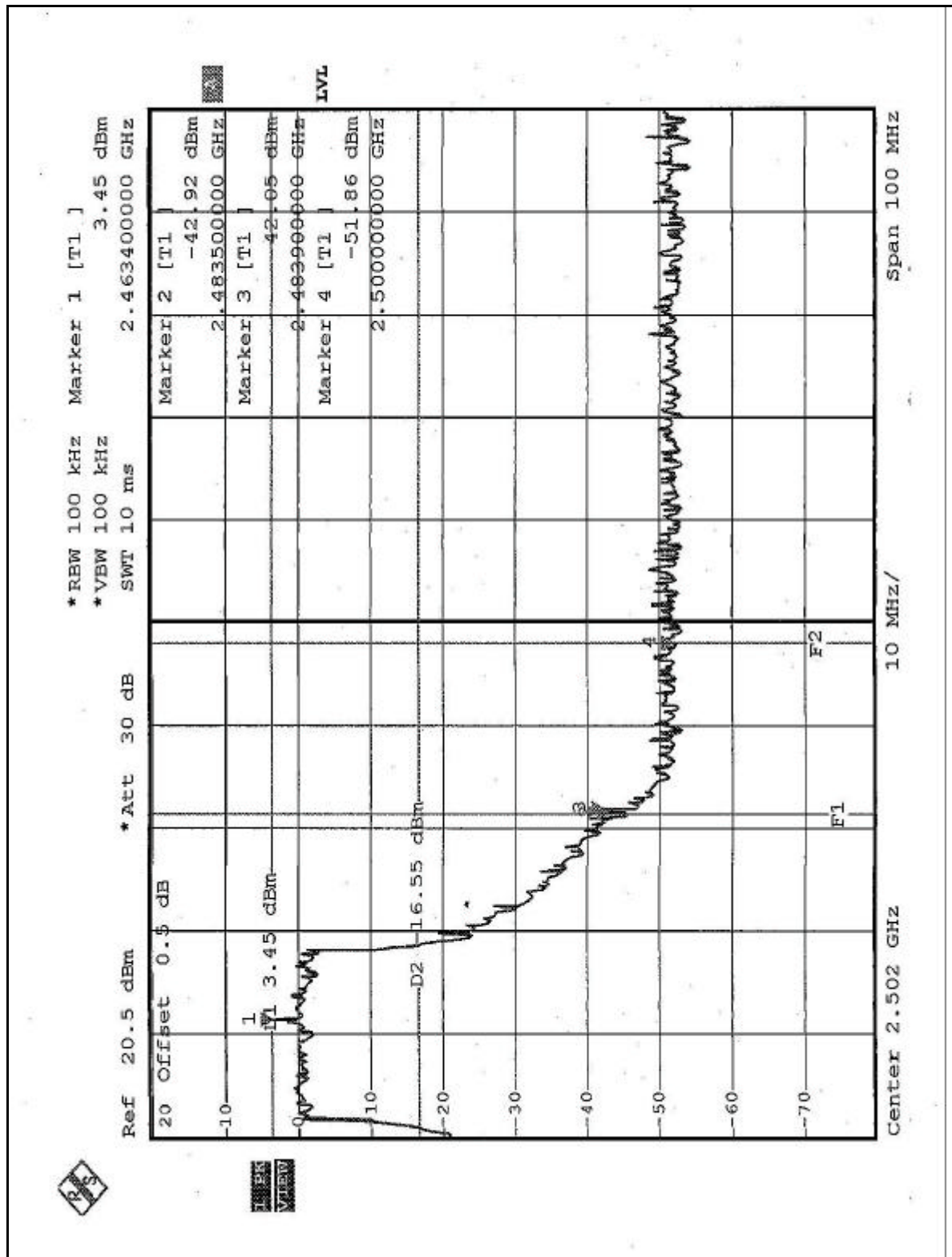
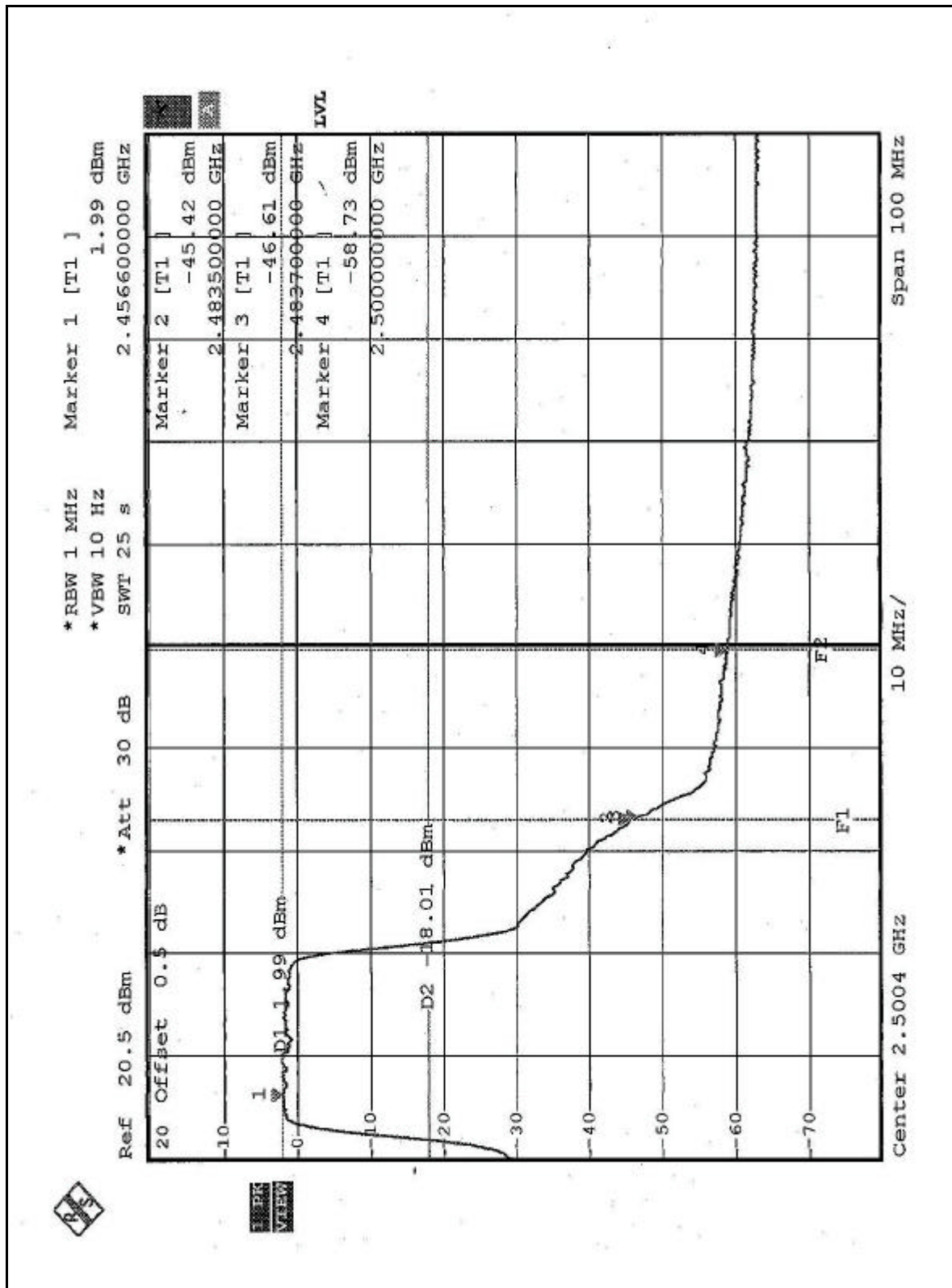
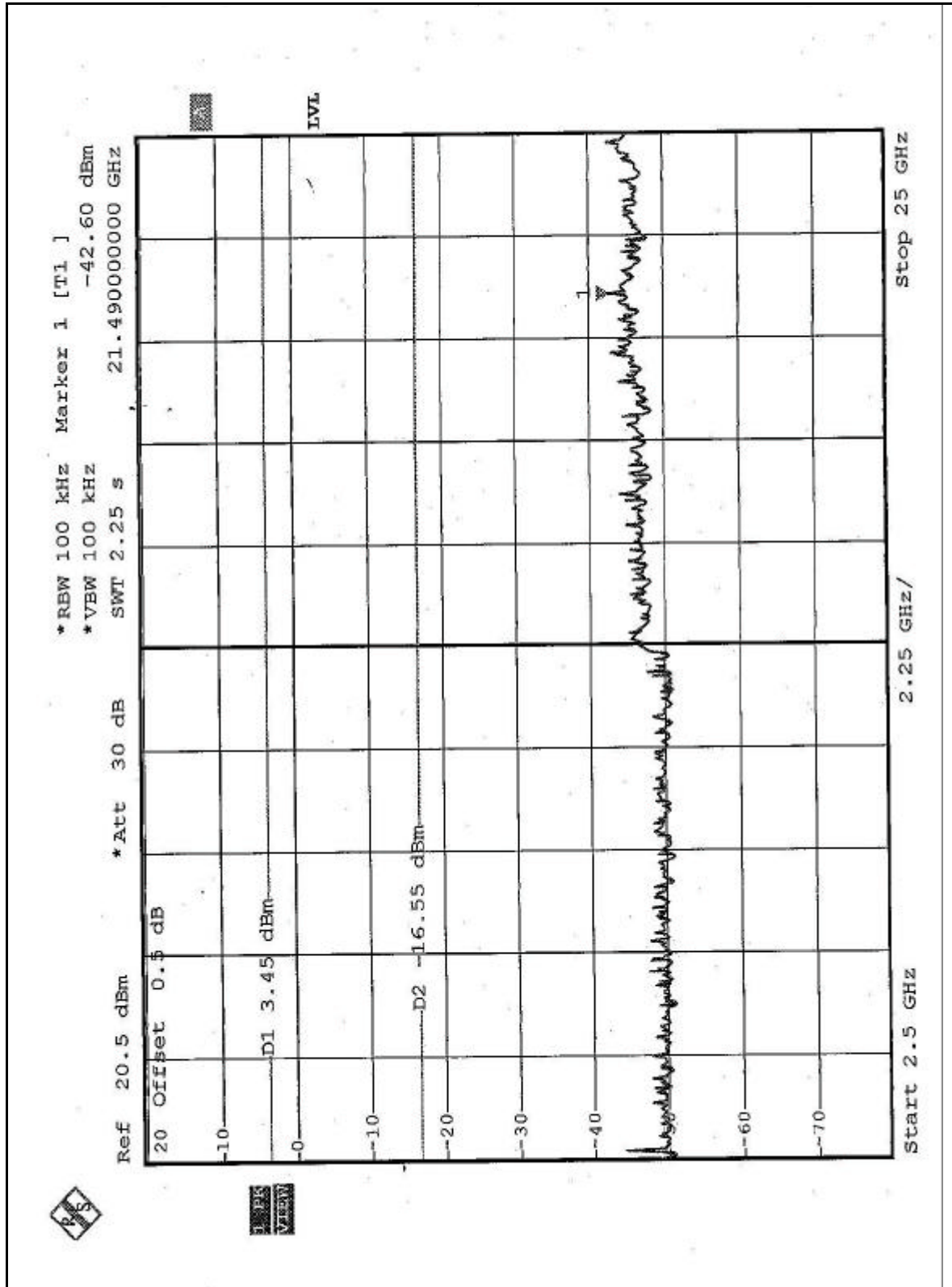




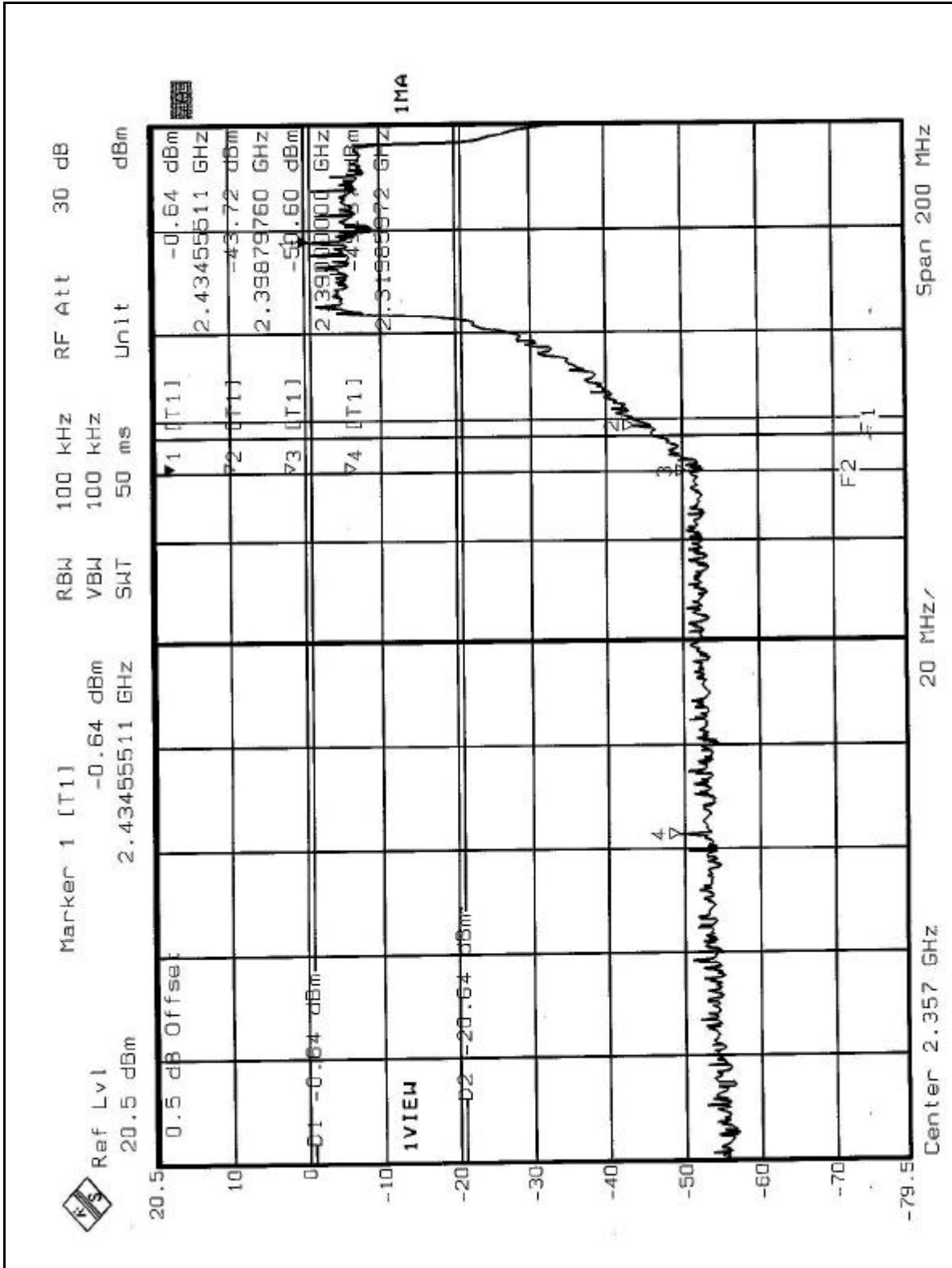


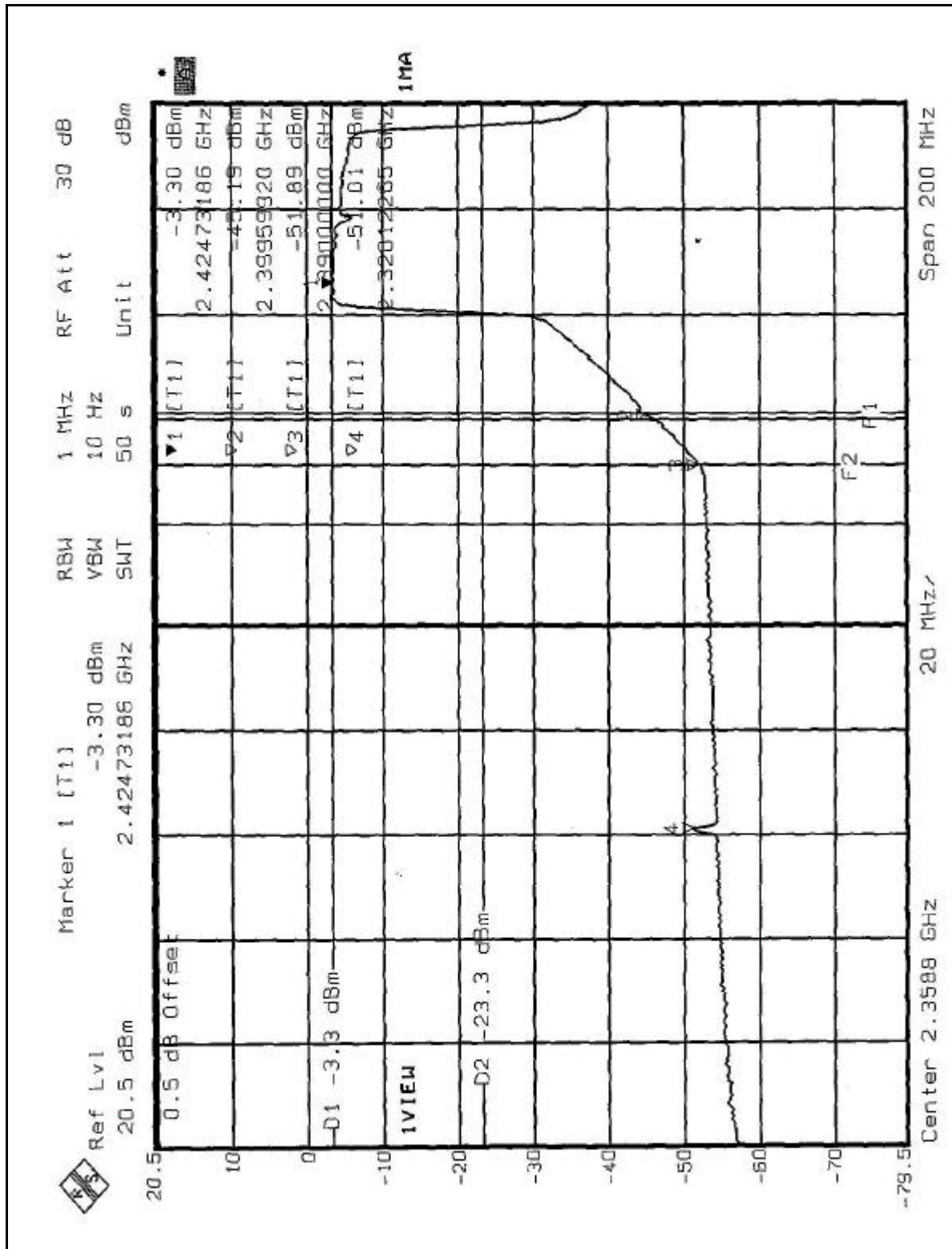


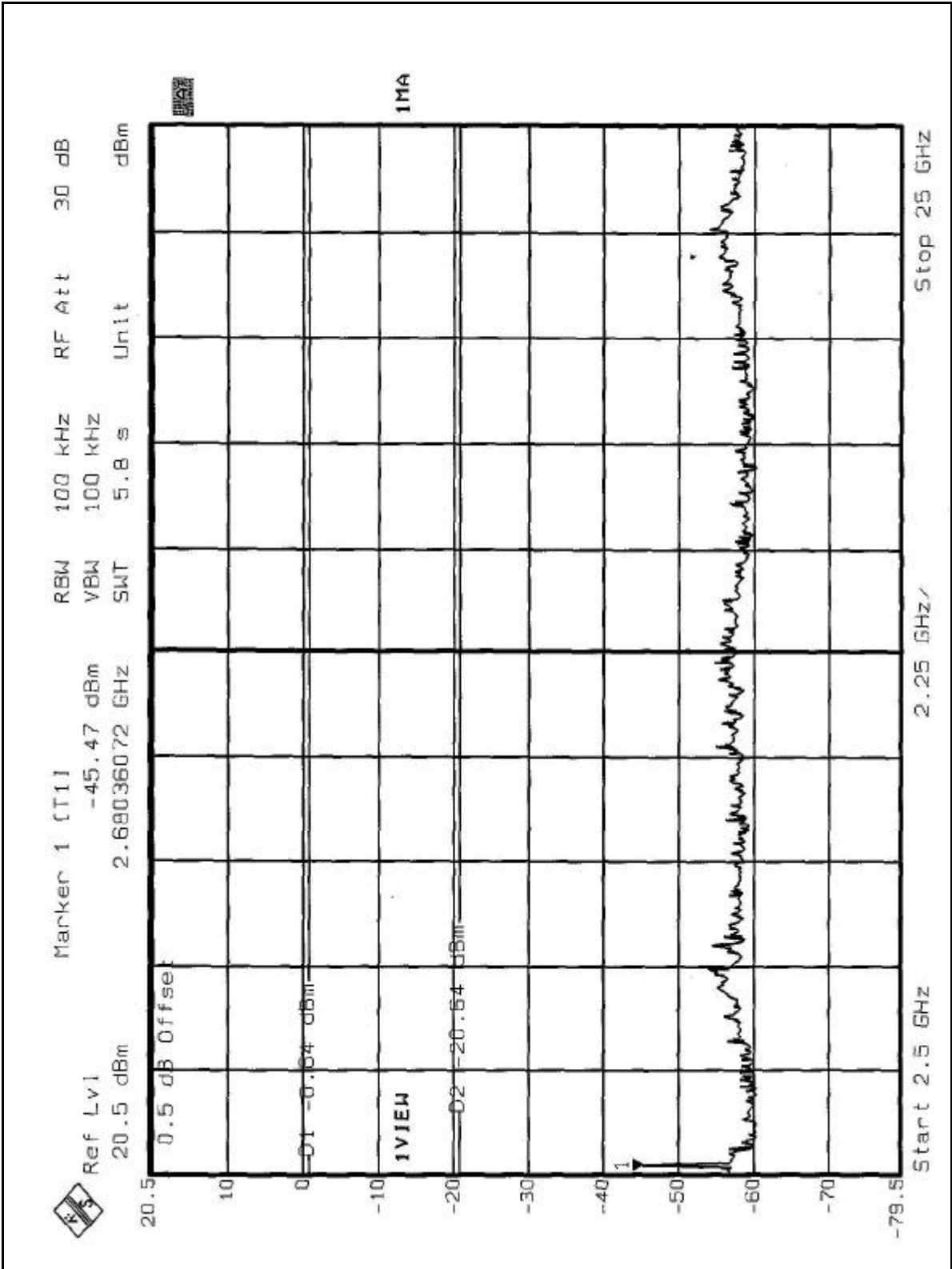


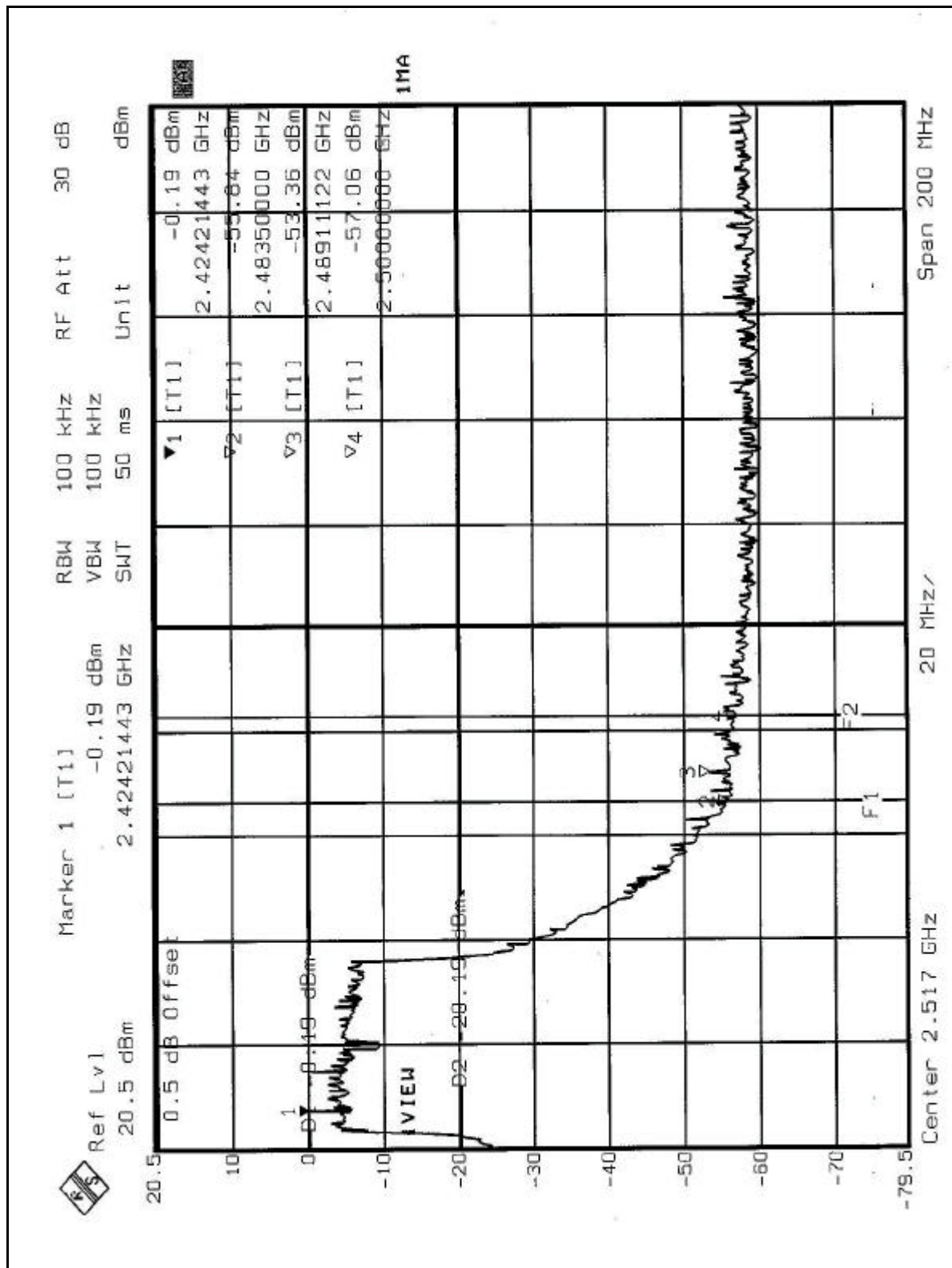


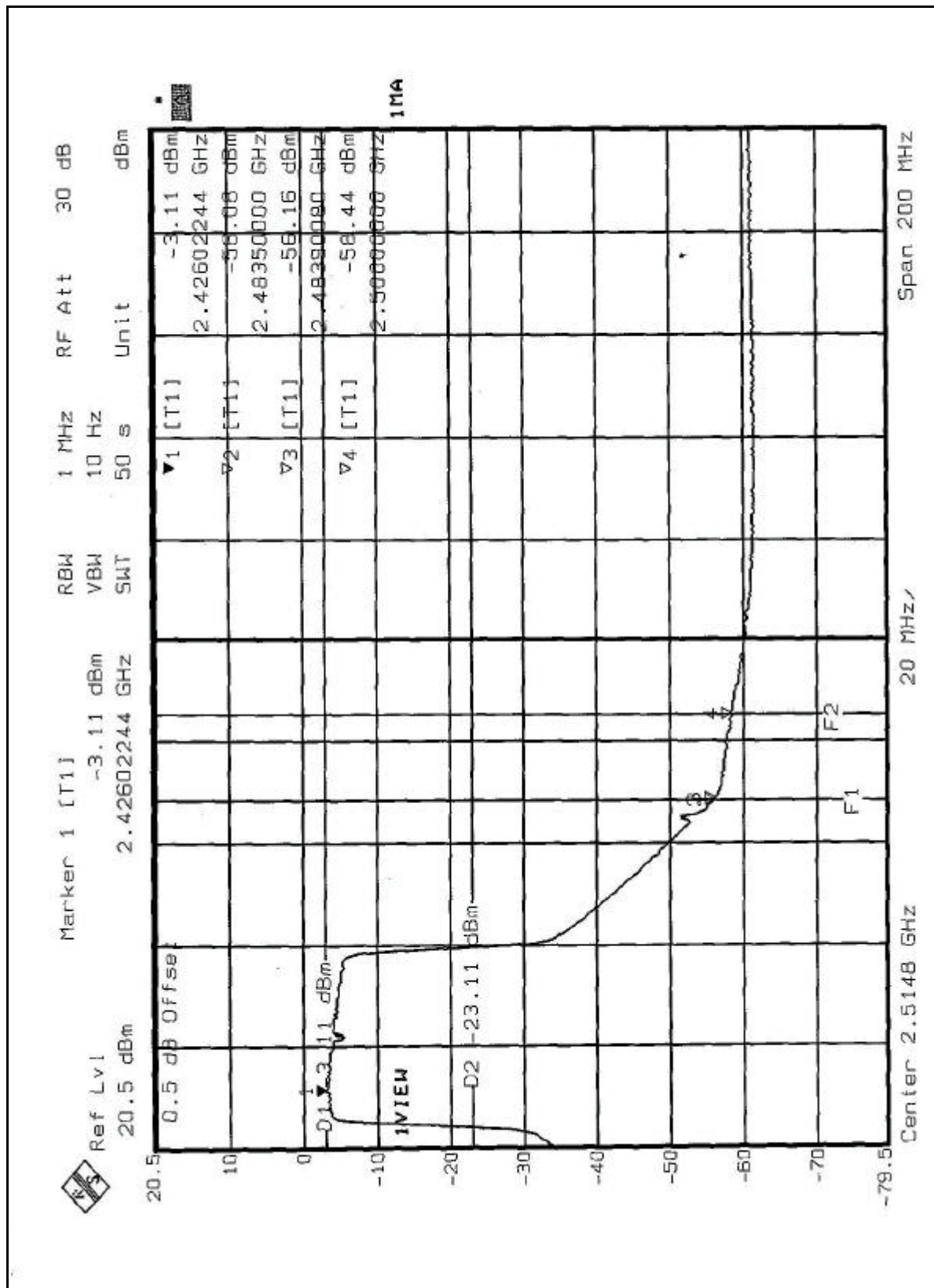
OFDM Turbo mode:

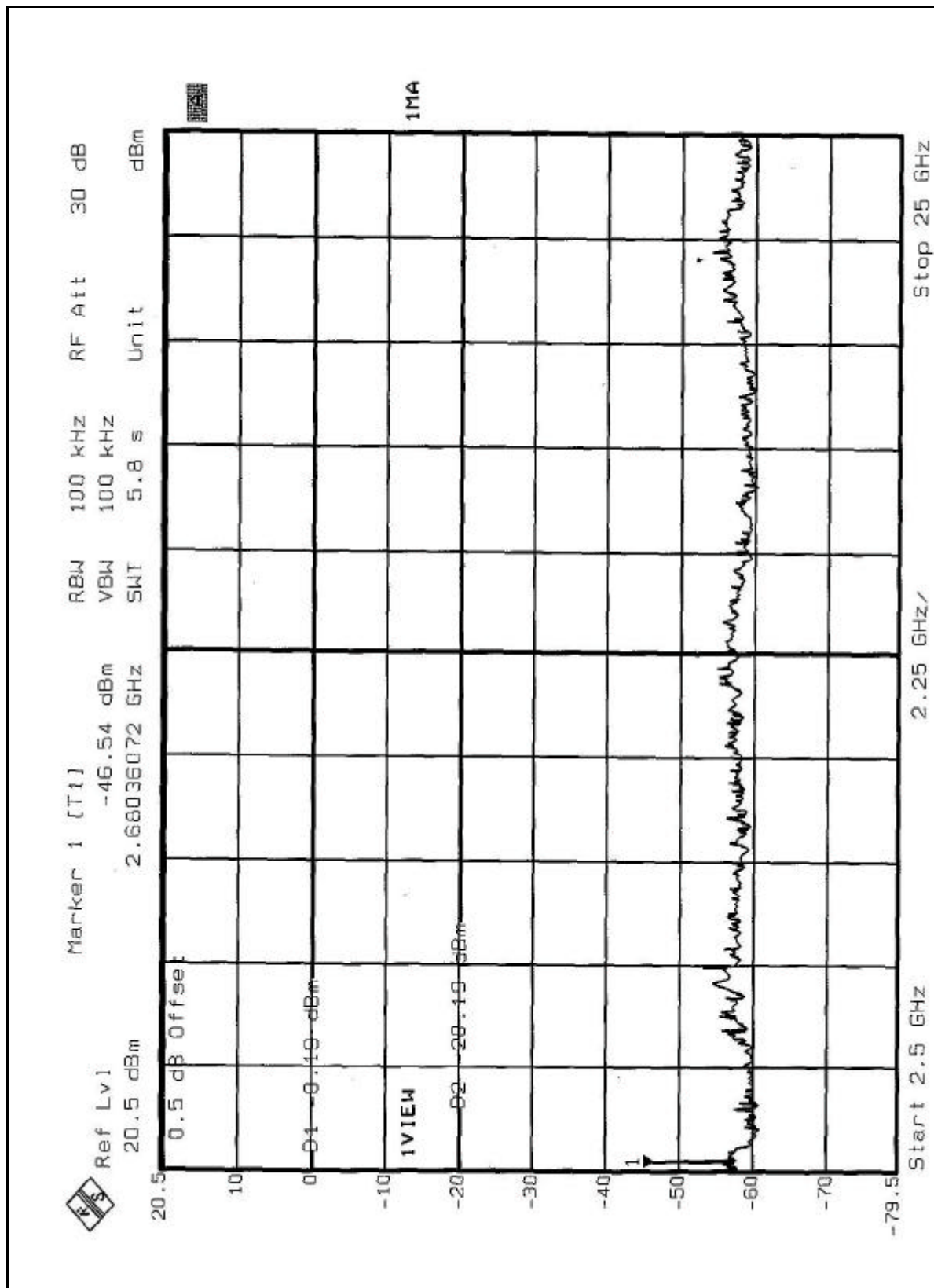














4.7 ANTENNA REQUIREMENT

4.7.1 STANDARD APPLICABLE

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

4.7.2 ANTENNA CONNECTED CONSTRUCTION

The antenna used in this product is Chip & Dipole antenna without connector. The maximum Gain of the antenna is 2dBi.

5. TEST TYPES AND RESULTS (FOR PART 802.11a)

5.1 CONDUCTED EMISSION MEASUREMENT

5.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

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

- NOTE:**
1. The lower limit shall apply at the transition frequencies.
 2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50 MHz.
 3. All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

5.1.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED UNTIL
Test Receiver ROHDE & SCHWARZ	ESCS30	100291	Nov. 16, 2005
RF signal cable Woken	5D-FB	Cable-HYC01-01	Mar. 02, 2005
LISN ROHDE & SCHWARZ	ESH3-Z5	100312	Mar. 03, 2005
LISN ROHDE & SCHWARZ	ESH2-Z5	100104	Mar. 02, 2005
Software ADT	ADT_Cond_V3	NA	NA

- NOTE:**
1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
 2. The test was performed in HwaYa Shielded Room 1.
 3. The VCCI Site Registration No. is C-2040.



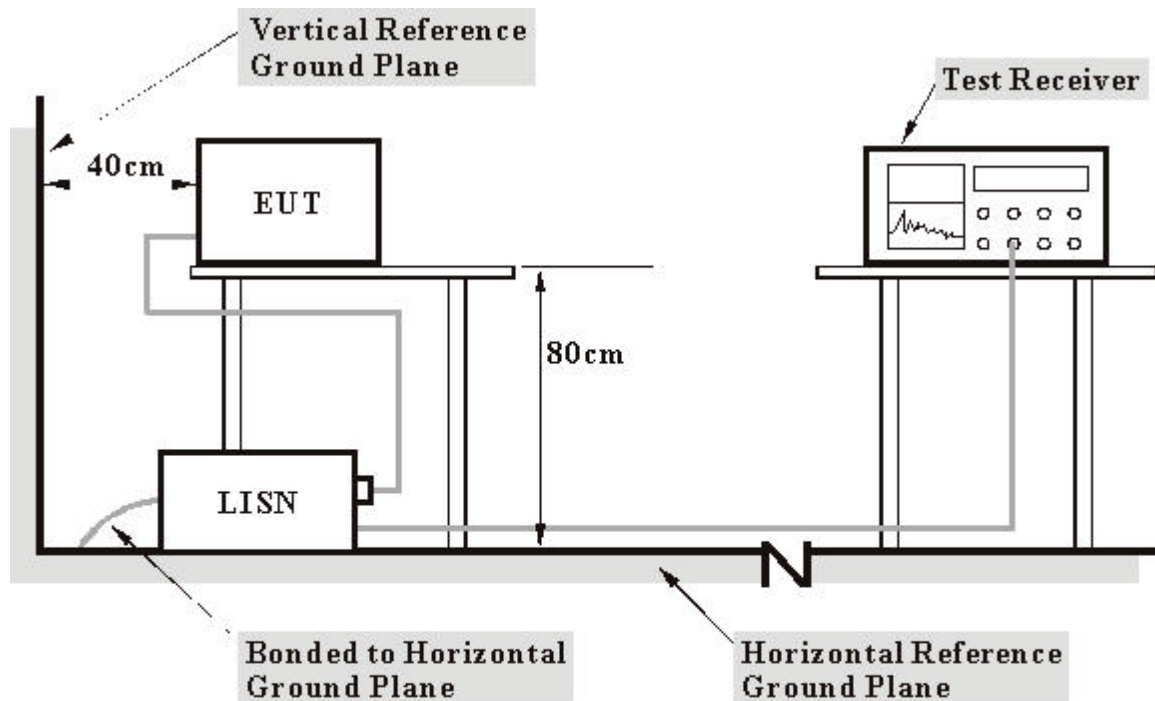
5.1.3 TEST PROCEDURES

- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

5.1.4 DEVIATION FROM TEST STANDARD

No deviation

5.1.5 TEST SETUP



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

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

5.1.6 EUT OPERATING CONDITIONS

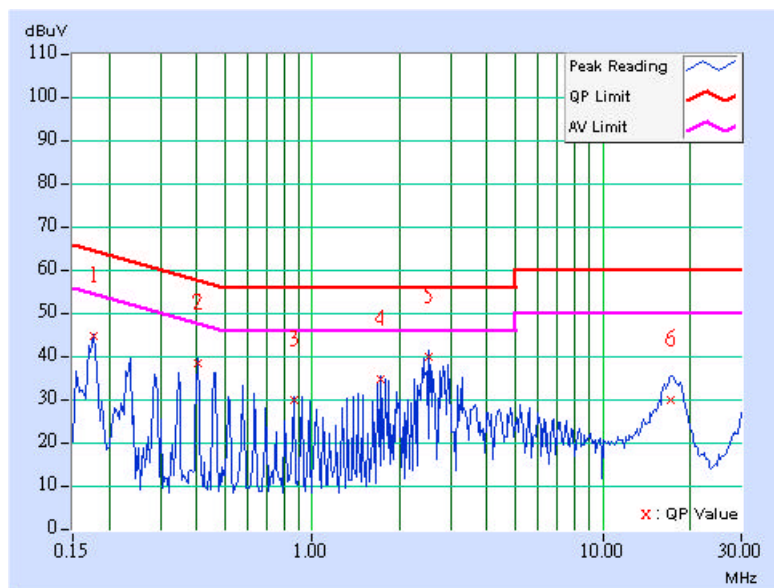
Same as 4.1.6

5.1.7 TEST RESULTS

EUT	Wireless AG Gaming Adapter	MODEL	DGL-3420
		6dB BANDWIDTH	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	PHASE	Line (L)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH, 991hPa	TESTED BY: Leo Hung	

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.177	0.11	44.04	-	44.15	-	64.61	54.61	-20.46	-
2	0.404	0.13	37.51	-	37.64	-	57.77	47.77	-20.14	-
3	0.865	0.14	29.21	-	29.35	-	56.00	46.00	-26.65	-
4	1.727	0.16	33.99	-	34.15	-	56.00	46.00	-21.85	-
5	2.531	0.17	39.01	-	39.18	-	56.00	46.00	-16.82	-
6	17.049	0.88	29.01	-	29.89	-	60.00	50.00	-30.11	-

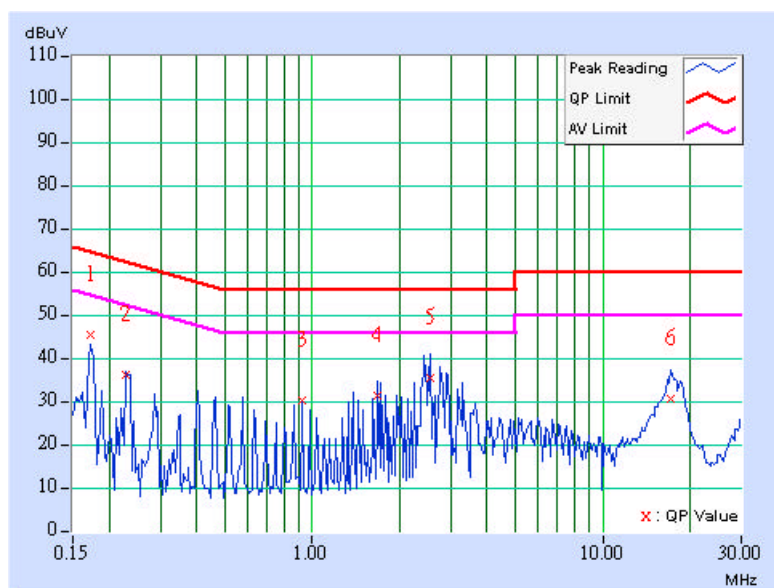
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT	Wireless AG Gaming Adapter	MODEL	DGL-3420
		6dB BANDWIDTH	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	PHASE	Neutral (N)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH, 991hPa	TESTED BY: Leo Hung	

No	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.173	0.10	44.74	-	44.84	-	64.79	54.79	-19.95	-
2	0.228	0.11	35.71	-	35.82	-	62.52	52.52	-26.70	-
3	0.923	0.14	29.65	-	29.79	-	56.00	46.00	-26.21	-
4	1.672	0.16	30.74	-	30.90	-	56.00	46.00	-25.10	-
5	2.535	0.17	34.95	-	35.12	-	56.00	46.00	-20.88	-
6	17.086	0.67	30.09	-	30.76	-	60.00	50.00	-29.24	-

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





5.2 RADIATED EMISSION MEASUREMENT

5.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

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

Frequencies (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

NOTE:

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



5.2.2 LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS

Frequencies (MHz)	EIRP Limit (dBm)	Equivalent Field Strength at 3m (dBμV/m) *note 3
5150~5250	-27	68.3
5250~5350	-27	68.3
5725~5825	-27 *note 1	68.3
	-17 *note 2	78.3

NOTE

1. For frequencies 10MHz or greater above or below the band edge.
2. All emissions within the frequency range from the band edge to 10MHz above or below the band edge.
3. The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength

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



5.2.3 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED UNTIL
Test Receiver ROHDE & SCHWARZ	ESIB7	100188	Jan. 13, 2005
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100039	Nov. 21, 2005
BILOG Antenna SCHWARZBECK	VULB9168	9168-157	Feb. 03, 2005
HORN Antenna SCHWARZBECK	BBHA 9120 D	9120D-407	Feb. 03, 2005
HORN Antenna SCHWARZBECK	BBHA 9170	BBHA 9170241	Feb. 23, 2005
Preamplifier Agilent	8449B	3008A01961	Nov. 09, 2005
Preamplifier Agilent	8447D	2944A10629	Nov. 09, 2005
RF signal cable HUBER+SUHNER	SUCOFLEX 104	218182/4	Mar. 04, 2005
RF signal cable HUBER+SUHNER	SUCOFLEX 104	218194/4	Mar. 04, 2005
Software ADT.	ADT_Radiated_V5.14	NA	NA
Antenna Tower ADT.	AT100	AT93021702	NA
Turn Table ADT.	TT100.	TT93021702	NA
Controller ADT.	SC100.	SC93021702	NA

- NOTE:** 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in HwaYa Chamber 1.
3. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
4. The IC Site Registration No. is IC4924-2.



5.2.4 TEST PROCEDURES

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 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.

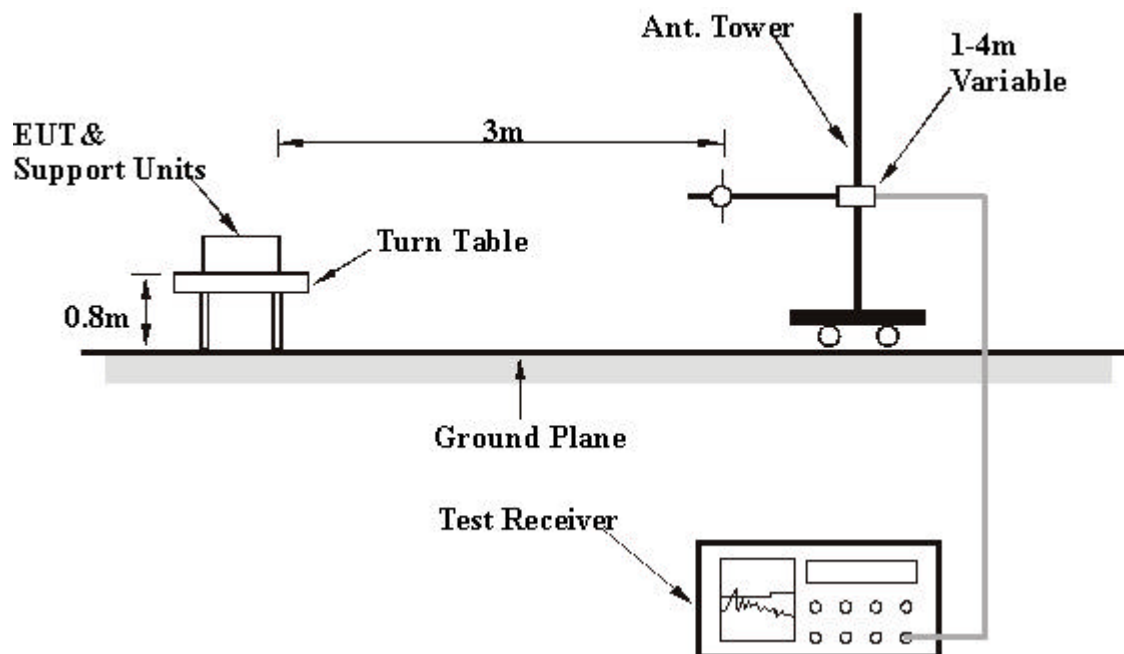
NOTE:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Peak detection (PK) and Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz for Peak detection at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 10 Hz for Average detection (AV) at frequency above 1GHz.

5.2.5 DEVIATION FROM TEST STANDARD

No deviation

5.2.6 TEST SETUP



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

5.2.7 EUT OPERATING CONDITIONS

Same as 4.1.6



5.2.8 TEST RESULTS

EUT	Wireless AG Gaming Adapter	MODEL	DGL-3420
CHANNEL	Channel 5	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	26deg. C, 62%RH, 991hPa	TESTED BY: Match Tsui	

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	45.55	29.95 QP	40.00	-10.05	2.00 H	205	14.71	15.23
2	86.37	31.46 QP	40.00	-8.54	2.00 H	133	21.34	10.12
3	146.63	35.83 QP	43.50	-7.67	2.00 H	43	21.25	14.58
4	249.66	35.68 QP	46.00	-10.32	1.00 H	46	22.46	13.22
5	360.46	30.86 QP	46.00	-15.14	1.00 H	295	14.98	15.88
6	449.88	35.15 QP	46.00	-10.85	2.00 H	10	17.08	18.07
7	500.42	35.55 QP	46.00	-10.45	1.50 H	301	16.82	18.74
8	539.30	37.73 QP	46.00	-8.27	1.50 H	25	18.25	19.48
9	630.66	38.64 QP	46.00	-7.36	1.50 H	205	17.21	21.42
10	720.08	38.95 QP	46.00	-7.05	1.00 H	310	16.16	22.79
11	751.18	42.12 QP	46.00	-3.88	1.00 H	295	18.58	23.54
12	875.59	41.32 QP	46.00	-4.68	1.00 H	298	16.66	24.66

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	46.07	38.24 QP	40.00	-1.76	1.00 V	190	23.07	15.17
2	85.54	37.25 QP	40.00	-2.75	1.51 V	29	27.15	10.10
3	127.19	35.10 QP	43.50	-8.40	1.00 V	343	21.57	13.53
4	146.63	33.24 QP	43.50	-10.26	1.00 V	139	18.67	14.58
5	249.66	30.86 QP	46.00	-15.14	1.50 V	355	17.65	13.22
6	449.88	35.60 QP	46.00	-10.40	1.00 V	91	17.53	18.07
7	500.42	36.39 QP	46.00	-9.61	1.00 V	325	17.65	18.74
8	539.30	35.05 QP	46.00	-10.95	1.00 V	268	15.57	19.48
9	624.83	37.96 QP	46.00	-8.04	1.50 V	331	16.61	21.34
10	720.08	38.38 QP	46.00	-7.62	1.50 V	70	15.59	22.79
11	751.18	41.09 QP	46.00	-4.91	2.00 V	352	17.55	23.54
12	875.59	41.32 QP	46.00	-4.68	1.00 V	322	16.66	24.66

REMARKS:

1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.



EUT	Wireless AG Gaming Adapter	MODEL	DGL-3420
MODE	Normal Mode	CHANNEL	1
FREQUENCY RANGE	1 ~ 40 GHz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 62%RH, 991hPa	INPUT POWER (SYSTEM)	120Vac, 60Hz
TESTED BY	Match Tsui		

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	3453.00	48.01 PK	68.30	-20.29	1.14 H	232	12.43	35.58
2	#5150.00	53.51 PK	74.00	-20.49	1.18 H	313	14.41	39.10
2	#5150.00	43.61 AV	54.00	-10.39	1.18 H	313	4.51	39.10
3	*5180.00	104.04 PK			1.06 H	208	64.87	39.17
3	*5180.00	94.14 AV			1.06 H	208	54.97	39.17
4	10360.00	58.37 PK	68.30	-9.93	1.18 H	313	13.08	45.29

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	3453.00	44.10 PK	68.30	-24.20	1.16 V	331	8.52	35.58
2	#5150.00	59.92 PK	74.00	-14.08	1.36 V	200	20.82	39.10
2	#5150.00	50.37 AV	54.00	-3.63	1.36 V	200	11.27	39.10
3	*5180.00	110.45 PK			1.36 V	200	71.28	39.17
3	*5180.00	100.90 AV			1.36 V	200	61.73	39.17
4	10360.00	58.96 PK	68.30	-9.34	1.30 V	76	13.67	45.29

NOTE:

1. Emission level = Raw value + Correction Factor
2. Correction Factor = Ant. Factor + Cable loss
3. Margin value = Emission level - Limit value
4. The other emission levels were very low against the limit.
5. "*" : Fundamental frequency
6. "#" The radiated frequency falling in the restricted band.



EUT	Wireless AG Gaming Adapter	MODEL	DGL-3420
MODE	Normal Mode	CHANNEL	4
FREQUENCY RANGE	1 ~ 40 GHz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 62%RH, 991hPa	INPUT POWER (SYSTEM)	120Vac, 60Hz
TESTED BY	Match Tsui		

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	3493.00	47.54 PK	68.30	-20.76	1.01 H	247	11.85	35.70
2	*5240.00	101.36 PK			1.14 H	328	62.18	39.18
2	*5240.00	91.05 AV			1.14 H	328	51.87	39.18
3	10480.00	57.18 PK	68.30	-11.12	1.33 H	79	11.09	46.08

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	3493.00	48.47 PK	68.30	-19.83	1.22 V	229	12.78	35.70
2	*5240.00	111.09 PK			1.06 V	119	71.91	39.18
2	*5240.00	101.07 AV			1.06 V	119	61.89	39.18
3	10480.00	59.37 PK	68.30	-8.93	1.08 V	5	13.28	46.08

NOTE:

1. Emission level = Raw value + Correction Factor
2. Correction Factor = Ant. Factor + Cable loss
3. Margin value = Emission level - Limit value
4. The other emission levels were very low against the limit.
5. "*" : Fundamental frequency
6. "#" The radiated frequency falling in the restricted band.



EUT	Wireless AG Gaming Adapter	MODEL	DGL-3420
MODE	Normal Mode	CHANNEL	5
FREQUENCY RANGE	1 ~ 40 GHz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 62%RH, 991hPa	INPUT POWER (SYSTEM)	120Vac, 60Hz
TESTED BY	Match Tsui		

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	3506.00	47.84 PK	68.30	-20.46	1.07 H	249	12.10	35.73
2	*5260.00	104.43 PK			1.04 H	214	65.27	39.16
2	*5260.00	94.53 AV			1.04 H	214	55.37	39.16
3	10520.00	57.93 PK	68.30	-10.37	1.24 H	52	11.78	46.16

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	3506.00	49.27 PK	68.30	-19.03	1.03 V	360	13.53	35.73
2	*5260.00	111.10 PK			1.04 V	45	71.94	39.16
2	*5260.00	103.62 AV			1.04 V	45	64.46	39.16
3	10520.00	61.08 PK	68.30	-7.22	1.08 V	182	14.93	46.16

NOTE:

1. Emission level = Raw value + Correction Factor
2. Correction Factor = Ant. Factor + Cable loss
3. Margin value = Emission level - Limit value
4. The other emission levels were very low against the limit.
5. "*" : Fundamental frequency
6. "#" The radiated frequency falling in the restricted band.



EUT	Wireless AG Gaming Adapter	MODEL	DGL-3420
MODE	Normal Mode	CHANNEL	8
FREQUENCY RANGE	1 ~ 40 GHz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 62%RH, 991hPa	INPUT POWER (SYSTEM)	120Vac, 60Hz
TESTED BY	Match Tsui		

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	3546.00	47.81 PK	68.30	-20.49	1.21 H	232	11.96	35.85
2	*5320.00	104.76 PK			1.03 H	215	65.61	39.15
2	*5320.00	94.97 AV			1.03 H	215	55.82	39.15
3	#5350.00	50.90 PK	74.00	-23.10	1.03 H	215	11.70	39.20
3	#5350.00	41.11 AV	54.00	-12.89	1.03 H	215	1.91	39.20
4	#10640.00	59.58 PK	74.00	-14.42	1.21 H	86	13.35	46.23
4	#10640.00	47.22 AV	54.00	-6.78	1.21 H	86	0.99	46.23

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	3546.00	47.97 PK	68.30	-20.33	1.37 V	10	12.12	35.85
2	*5320.00	110.01 PK			1.20 V	360	70.86	39.15
2	*5320.00	100.49 AV			1.20 V	360	61.34	39.15
3	#5350.00	56.15 PK	74.00	-17.85	1.20 V	360	16.95	39.20
3	#5350.00	46.63 AV	54.00	-7.37	1.20 V	360	7.43	39.20
4	#10640.00	61.61 PK	74.00	-12.39	1.13 V	9	15.38	46.23
4	#10640.00	48.92 AV	54.00	-5.08	1.13 V	9	2.69	46.23
5	#15960.00	59.57 PK	74.00	-14.43	1.19 V	321	14.61	44.96
5	#15960.00	45.98 AV	54.00	-8.02	1.19 V	321	1.02	44.96

NOTE:

1. Emission level = Raw value + Correction Factor
2. Correction Factor = Ant. Factor + Cable loss
3. Margin value = Emission level - Limit value
4. The other emission levels were very low against the limit.
5. "*" : Fundamental frequency
6. "#" The radiated frequency falling in the restricted band.



EUT	Wireless AG Gaming Adapter	MODEL	DGL-3420
MODE	Turbo Mode	CHANNEL	1
FREQUENCY RANGE	1 ~ 40 GHz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 60%RH, 991hPa	INPUT POWER (SYSTEM)	120Vac, 60Hz
TESTED BY	Match Tsui		

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	3473.00	44.46 PK	68.30	-23.84	1.07 H	13	8.82	35.64
2	#5150.00	49.27 PK	74.00	-24.73	1.06 H	4	10.17	39.10
2	#5150.00	40.42 AV	54.00	-13.58	1.06 H	4	1.32	39.10
3	*5210.00	98.09 PK			1.06 H	4	58.88	39.21
3	*5210.00	89.24 AV			1.06 H	4	50.03	39.21
4	10420.00	54.08 PK	68.30	-14.22	1.13 H	275	8.31	45.77

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	3473.00	46.70 PK	68.30	-21.60	1.08 V	221	11.06	35.64
2	#5150.00	58.16 PK	74.00	-15.84	1.04 V	296	19.06	39.10
2	#5150.00	48.25 AV	54.00	-5.75	1.04 V	296	9.15	39.10
3	*5210.00	108.42 PK			1.20 V	218	69.21	39.21
3	*5210.00	97.81 AV			1.20 V	218	58.60	39.21
4	10420.00	59.05 PK	68.30	-9.25	1.05 V	223	13.28	45.77

NOTE:

1. Emission level = Raw value+ Correction Factor
2. Correction Factor = Ant. Factor + Cable loss
3. Margin value = Emission level - Limit value
4. The other emission levels were very low against the limit.
5. "*" : Fundamental frequency
6. "#" The radiated frequency falling in the restricted band.

EUT	Wireless AG Gaming Adapter	MODEL	DGL-3420
MODE	Turbo Mode	CHANNEL	2
FREQUENCY RANGE	1 ~ 40 GHz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 60%RH, 991hPa	INPUT POWER (SYSTEM)	120Vac, 60Hz
TESTED BY	Match Tsui		

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	3500.00	46.66 PK	68.30	-21.64	1.08 H	229	10.94	35.72
2	*5250.00	98.46 PK			1.06 H	198	59.29	39.17
2	*5250.00	89.32 AV			1.06 H	198	50.15	39.17
3	10500.00	58.84 PK	68.30	-9.46	1.24 H	76	12.65	46.19

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	3500.00	45.89 PK	68.30	-22.41	1.00 V	36	10.17	35.72
2	*5250.00	107.47 PK			1.00 V	360	68.30	39.17
2	*5250.00	98.27 AV			1.00 V	360	59.10	39.17
3	10500.00	59.92 PK	68.30	-8.38	1.24 V	215	13.73	46.19

NOTE:

1. Emission level = Raw value+ Correction Factor
2. Correction Factor = Ant. Factor + Cable loss
3. Margin value = Emission level - Limit value
4. The other emission levels were very low against the limit.
5. "*" : Fundamental frequency
6. "#" The radiated frequency falling in the restricted band.

EUT	Wireless AG Gaming Adapter	MODEL	DGL-3420
MODE	Turbo Mode	CHANNEL	3
FREQUENCY RANGE	1 ~ 40 GHz	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 60%RH, 991hPa	INPUT POWER (SYSTEM)	120Vac, 60Hz
TESTED BY	Match Tsui		

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	3526.00	45.76 PK	68.30	-22.54	1.08 H	112	9.97	35.79
2	*5290.00	99.67 PK			1.04 H	202	60.54	39.13
2	*5290.00	90.20 AV			1.04 H	202	51.07	39.13
3	#5350.00	45.45 PK	74.00	-28.55	1.04 H	202	6.25	39.20
3	#5350.00	36.07 AV	54.00	-17.93	1.04 H	202	-3.13	39.20
4	10580.00	56.63 PK	68.30	-11.67	1.00 H	217	10.56	46.07

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	3526.00	47.00 PK	68.30	-21.30	1.04 V	232	11.21	35.79
2	*5290.00	107.57 PK			1.19 V	118	68.44	39.13
2	*5290.00	98.51 AV			1.19 V	118	59.38	39.13
3	#5350.00	53.44 PK	74.00	-20.56	1.19 V	118	14.24	39.20
3	#5350.00	44.38 AV	54.00	-9.62	1.19 V	118	5.18	39.20
4	7053.00	51.21 PK	68.30	-17.09	1.09 V	12	9.03	42.18
5	10580.00	60.22 PK	68.30	-8.08	1.18 V	230	14.15	46.07

NOTE:

1. Emission level = Raw value + Correction Factor
2. Correction Factor = Ant. Factor + Cable loss
3. Margin value = Emission level - Limit value
4. The other emission levels were very low against the limit.
5. "*" : Fundamental frequency
6. "#" The radiated frequency falling in the restricted band.