

TABLE OF CONTENTS

APPLICANT: STRATEGIC VISTA (BVI) LTD.

FCC ID: PJDSV-01-CAM

TEST REPORT CONTAINING:

PAGE	1.....	TEST EQUIPMENT LIST & TEST PROCEDURE
PAGE	2.....	TEST PROCEDURE CONTINUED
PAGE	3.....	RADIATION INTERFERENCE TEST DATA
PAGE	4.....	OCCUPIED BANDWIDTH
PAGE	5.....	OCCUPIED BANDWIDTH PLOT
PAGE	6.....	POWERLINE CONDUCTED
PAGE	7.....	POWERLINE PLOT LINE 1
PAGE	8.....	POWERLINE PLOT LINE 2
PAGE	9.....	RADIATED EMISSIONS TEST DATA
PAGE	10.....	BANDEDGE PLOT

EXHIBIT ATTACHMENTS:

EXHIBIT	1.....	FCC ID LABEL SAMPLE
EXHIBIT	2.....	SKETCH OF FCC ID LABEL LOCATION
EXHIBIT	3.....	BLOCK DIAGRAM
EXHIBIT	4A-4C.....	SCHEMATICS
EXHIBIT	5.....	FRONT VIEW EXTERNAL PHOTO
EXHIBIT	6.....	REAR VIEW EXTERNAL PHOTO
EXHIBIT	7.....	COMPONENT SIDE INTERNAL PHOTOS
EXHIBIT	8.....	COPPER SIDE INTERNAL PHOTOS
EXHIBIT	9A-9B.....	CIRCUIT DESCRIPTION
EXHIBIT	10A-10E.....	USER'S MANUAL
EXHIBIT	11.....	TEST SET UP PHOTO - POWERLINE CONDUCTED
EXHIBIT	12.....	TEST SET UP PHOTO - RADIATED EMISSIONS
EXHIBIT	13	SPECIFICATION SHEET

APPLICANT: STRATEGIC VISTA (BVI) LTD.

FCC ID: PJDSV-01-CAM

REPORT #: T:\CUS\S\STRATE\86AZH1\86AZH1.RPT

PAGE: TABLE OF CONTENTS LIST

APPLICANT: STRATEGIC VISTA (BVI) LTD.
FCC ID: PJDSV-01-CAM

TEST EQUIPMENT LIST

1. X Spectrum Analyzer: HP 8566B-Opt 462, S/N 3138A07786, w/
preselector HP 85685A, S/N 3221A01400, Quasi-Peak Adapter
HP 85650A, S/N 3303A01690 & Preamplifier HP 8449B-OPT H02,
S/N 3008A00372 Cal. 10/17/99
2. X Biconnical Antenna: Eaton Model 94455-1, S/N 1057
3. Biconnical Antenna: Electro-Metrics Model BIA-25, S/N 1171
4. X Log-Periodic Antenna: Electro-Metrics Model EM-6950, S/N 632
5. Log-Periodic Antenna: Electro-Metrics Model LPA-30, S/N 409
6. X Double-Ridged Horn Antenna: Electro-Metrics Model RGA-180,
1-18 GHz, S/N 2319
7. 18-26.3GHz Systron Donner Standard Gain Horn #DBE-520-20
8. Horn 40-60GHz: ATM Part #19-443-6R
9. Line Impedance Stabilization Network: Electro-Metrics Model
ANS-25/2, S/N 2604 Cal. 2/9/00
10. Temperature Chamber: Tenney Engineering Model TTRC, S/N 11717-7
11. Frequency Counter: HP Model 5385A, S/N 3242A07460 Cal 10/6/99
12. Peak Power Meter: HP Model 8900C, S/N 2131A00545
13. X Open Area Test Site #1-3meters Cal. 12/22/99
14. Signal Generator: HP 8640B, S/N 2308A21464 Cal. 9/23/99
15. Signal Generator: HP 8614A, S/N 2015A07428
16. Passive Loop Antenna: EMCO Model 6512, 9KHz to 30MHz, S/N
9706-1211 Cal. 6/10/00
17. Dipole Antenna Kit: Electro-Metrics Model TDA-30/1-4, S/N 153
Cal. 11/24/99
18. AC Voltmeter: HP Model 400FL, S/N 2213A14499 Cal. 9/21/99
19. Digital Multimeter: Fluke Model 8012A, S/N 4810047 Cal 9/21/99
20. Digital Multimeter: Fluke Model 77, S/N 43850817 Cal 9/21/99
21. Oscilloscope: Tektronix Model 2230, S/N 300572 Cal 9/23/99

TEST PROCEDURE

GENERAL: This report shall NOT be reproduced except in full without the written approval of TIMCO ENGINEERING, INC. The UUT was transmitting a test signal during the testing.

RADIATION INTERFERENCE: The test procedure used was ANSI STANDARD C63.4-1992 using a HEWLETT PACKARD spectrum analyzer with a preselector. The analyzer was calibrated in dB above a microvolt at the output of the antenna. The resolution bandwidth was 100KHz and the video bandwidth was 300KHz up to 1.0GHz and 1.0MHz with a video BW of 3.0MHz above 1.0GHz. The ambient temperature of the UUT was 71oF with a humidity of 19%.

APPLICANT : STRATEGIC VISTA (BVI) LTD.
FCC ID : PJDSV-01-CAM
REPORT #: T:\CUS\S\STRATE\86AZH1\86AZH1.RPT
PAGE #: 1

APPLICANT : &APPLICANT

FCC ID : PJDSV-01-CAM

TEST PROCEDURE CONTINUED

FORMULA OF CONVERSION FACTORS: The Field Strength at 3m was established by adding the meter reading of the spectrum analyzer (which is set to read in units of dBuV) to the antenna correction factor supplied by the antenna manufacturer. The antenna correction factors are stated in terms of dB. The gain of the Preselector was accounted for in the Spectrum Analyzer Meter Reading.

Example:

Freq (MHz)	METER READING + ACF = FS
33	20 dBuV + 10.36 dB = 30.36 dBuV/m @ 3m

POWER LINE CONDUCTED INTERFERENCE: The procedure used was ANSI STANDARD C63.4-1992 using a 50uH LISN. Both lines were observed. The bandwidth of the spectrum analyzer was 10kHz with an appropriate sweep speed. The ambient temperature of the UUT was 77oF with a humidity of 52%.

ANSI STANDARD C63.4-1992 10.1.7 MEASUREMENT PROCEDURES: The UUT was placed on a table 80 cm high and with dimensions of 1M by 1.5M. The UUT was placed in the center of the table (1.5M side). The table used for radiated measurements is capable of continuous rotation.

When an emission was found, the table was rotated to produce the maximum signal strength. At this point, the antenna was raised and lowered from 1M to 4M. The antenna was placed in both the horizontal and vertical planes.

The situation was similar for the conducted measurement except that the table did not rotate. The EUT was setup as described in ANSIC63.4-1992 with the EUT 40 cm from the vertical ground wall.

APPLICANT : STRATEGIC VISTA (BVI) LTD.

FCCID : PJDSV-01-CAM

REPORT #: T:\CUS\S\STRATE\86AZH1\86AZH1.RPT

PAGE #: 2

APPLICANT: STRATEGIC VISTA (BVI) LTD.
 FCC ID: PJDSV-01-CAM
 NAME OF TEST: RADIATION INTERFERENCE
 RULES PART NUMBER: 15.249, 15.209
 REQUIREMENTS:
 FIELD STRENGTH FIELD STRENGTH S15.209
 of Fundamental: of Harmonics 30 - 88 MHz 40 dBuV/m @3M
 902-928 MHz 88 -216 MHz 43.5
 2.4-2.4835 GHz 216 -960 MHz 46
 94 dBuV/m @3m 54 dBuV/m @3m ABOVE 960 MHz 54dBuV/m

EMISSIONS RADIATED OUTSIDE OF THE SPECIFIED FREQUENCY BANDS,
 EXCEPT FOR HARMONICS, SHALL BE ATTENUATED BY AT LEAST 50 dB BELOW
 THE LEVEL OF THE FUNDAMENTAL OR TO THE GENERAL RADIATED EMISSION
 LIMITS IN 15.209, WHICHEVER IS THE LESSER ATTENUATION.

TEST RESULTS: This unit DOES meet the FCC requirements.

TEST DATA:

EMISSION FREQUENCY MHz	METER READING AT 3 METERS dBuV	COAX LOSS dB	ANTENNA CORRECTION FACTOR dB	FIELD STRENGTH dBuV/m@3m	MARGIN dB	ANT. POL.
2410.50	54.00	1.09	29.03	84.12	9.88	V
4821.00	14.70	1.45	33.92	50.08	3.92	V
7231.50	6.10	1.82	36.64	44.55	9.45	V
9642.00	4.10	2.11	38.59	44.80	9.20	V
2452.50	54.30	1.10	29.13	84.53	9.47	V
4905.00	8.30	1.47	34.02	43.78	10.22	V
7357.50	2.50	1.83	36.78	41.11	12.89	V
9810.00	2.90	2.13	38.70	43.73	10.27	V
2472.50	51.00	1.10	29.18	81.28	12.72	V
4945.00	5.10	1.47	34.06	40.64	13.36	V
7417.50	1.50	1.84	36.84	40.19	13.81	V
9890.00	1.50	2.14	38.76	42.39	11.61	V

TEST PROCEDURE: ANSI STANDARD C63.4-1992 using a Hewlett Packard
 Model 8566B spectrum analyzer, a Hewlett Packard Model 85685A
 Preselector, a Hewlett Packard Model 85650A Quasi-Peak adapter,
 and an appropriate antenna - see test equipment list. The band-
 width of spectrum analyzer was 100 kHz with an appropriate sweep
 speed. When an emission was found, the table was rotated to
 produce the maximum signal strength. The antenna was placed in
 both the horizontal and vertical planes and the worse case emis-
 sions were reported. The spectrum was searched to at least the
 tenth(10) harmonic of the fundamental.

PERFORMED BY: JOSEPH SCOGLIO
 PAGE #: 3

DATE: MARCH 9, 2001

APPLICANT: STRATEGIC VISTA (BVI) LTD.
FCC ID: PJDSV-01-CAM
NAME OF TEST: Occupied Bandwidth
RULES PART NO.: 15.249
REQUIREMENTS: The field strength of any emissions appearing outside the band edges and up to 10 kHz above and below the band edges shall be attenuated at least 50 dB below the level of the carrier or to the general limits of 15.249.

THE PLOT ON THE FOLLOWING PAGE REPRESENTS THE EMISSIONS TAKEN FOR THIS DEVICE.

METHOD OF MEASUREMENT: A small sample of the transmitter output was fed into the spectrum analyzer and the attached plot was printed. The vertical scale is set to -10 dBm per division. The horizontal scale is set to 1 MHz per division.

TEST RESULTS: The unit DOES meet the FCC requirements.

PERFORMED BY: JOSEPH SCOGLIO

MARCH 9, 2001

APPLICANT: STRATEGIC VISTA (BVI) LTD.
FCC ID: PJDSV-01-CAM
REPORT NO.: T:\CUS\S\STRATE\86AZH1\86AZH1.RPT
PAGE NO.: 4

hp

REF 75.0 dB μ V ATTEN 0 dB +0 dB

MKR 2.471 48 GHz

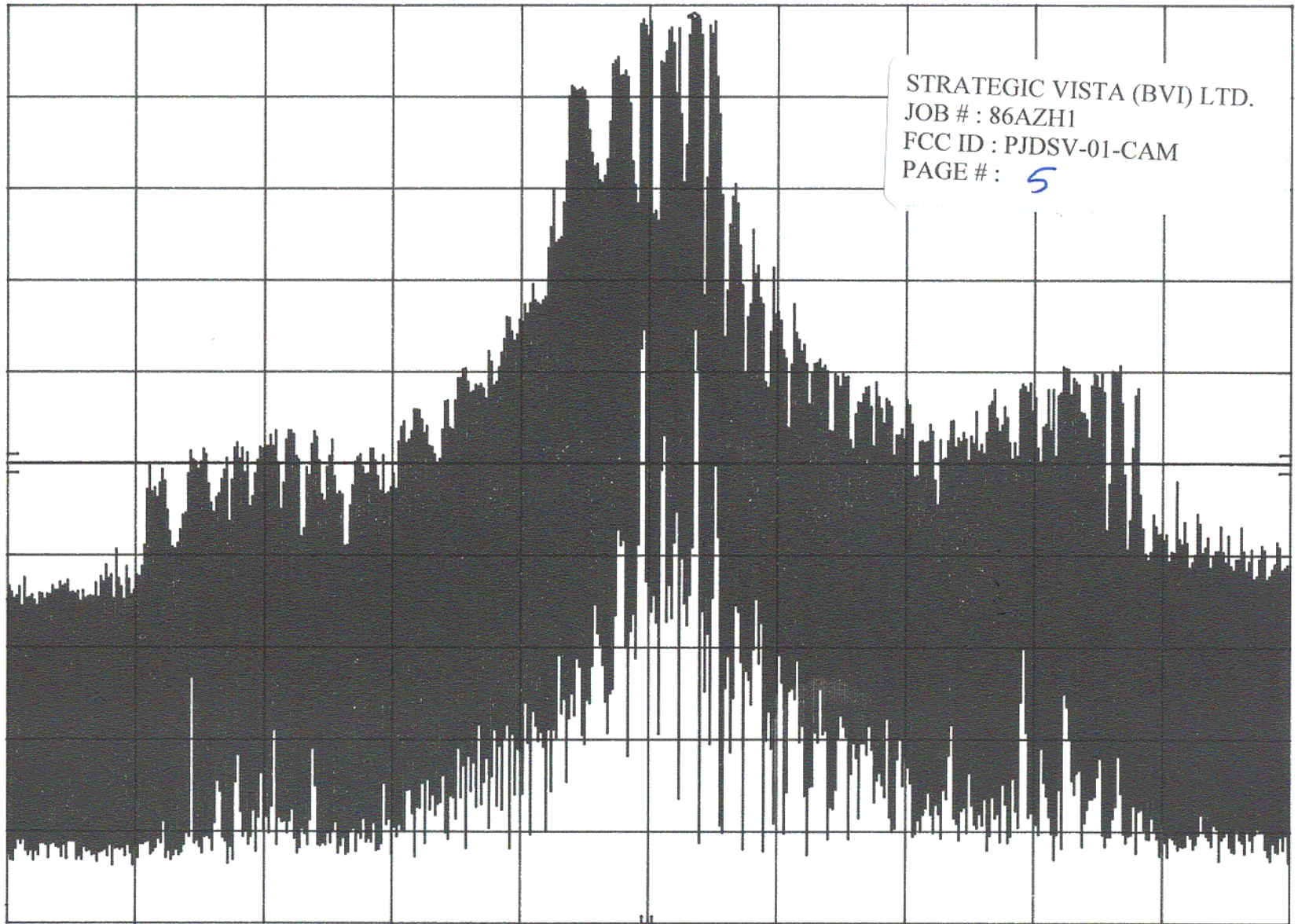
73.80 dB μ V

10 dB/

OFFSET
-20.0
dB

DL
25.0
dB μ V

STRATEGIC VISTA (BVI) LTD.
JOB #: 86AZH1
FCC ID: PJDSV-01-CAM
PAGE #: 5



CENTER 2.470 8 GHz

RES BW 100 kHz (i)

VBW 300 kHz

SPAN 20.0 MHz

SWP 1.00 sec

APPLICANT: STRATEGIC VISTA (BVI) LTD.
FCC ID: PJDSV-01-CAM
NAME OF TEST: POWER LINE CONDUCTED INTERFERENCE
RULES PART NUMBER: 15.107
MINIMUM REQUIREMENTS: FREQUENCY LEVEL
 MHz uV
 0.450-30 250
TEST PROCEDURE: ANSI STANDARD C63.4-1992

THE HIGHEST EMISSION READ FOR LINE 1 WAS 19.3 uV @ 510 kHz.

THE HIGHEST EMISSION READ FOR LINE 2 WAS 66.8 uV @ 450 kHz.

THE PLOTS ON THE FOLLOWING TWO PAGES REPRESENT THE EMISSIONS READ FOR POWERLINE CONDUCTED FOR THIS DEVICE.

TEST RESULTS: Both lines were observed. The measurements indicate that the unit DOES appear to meet the FCC requirements for this class of equipment.

PERFORMED BY: JOSEPH SCOGLIO _____DATE: MARCH 9, 2001

APPLICANT: STRATEGIC VISTA (BVI) LTD.
FCC ID: PJDSV-01-CAM
REPORT NO.: T:\CUS\S\STRATE\86AZH1\86AZH1.RPT
PAGE NO.: 6

LINE 1

MKR 510 KHz
19.3 μ V

hp

REF 7.00 mV

ATTEN 10 dB + 10 dB

10 dB/

OFFSET
-10.0
dB

DL
251
 μ V

STRATEGIC VISTA (BVI) LTD.
JOB #: 86AZH1
FCC ID: PJDSV-01-CAM
PAGE #: 7

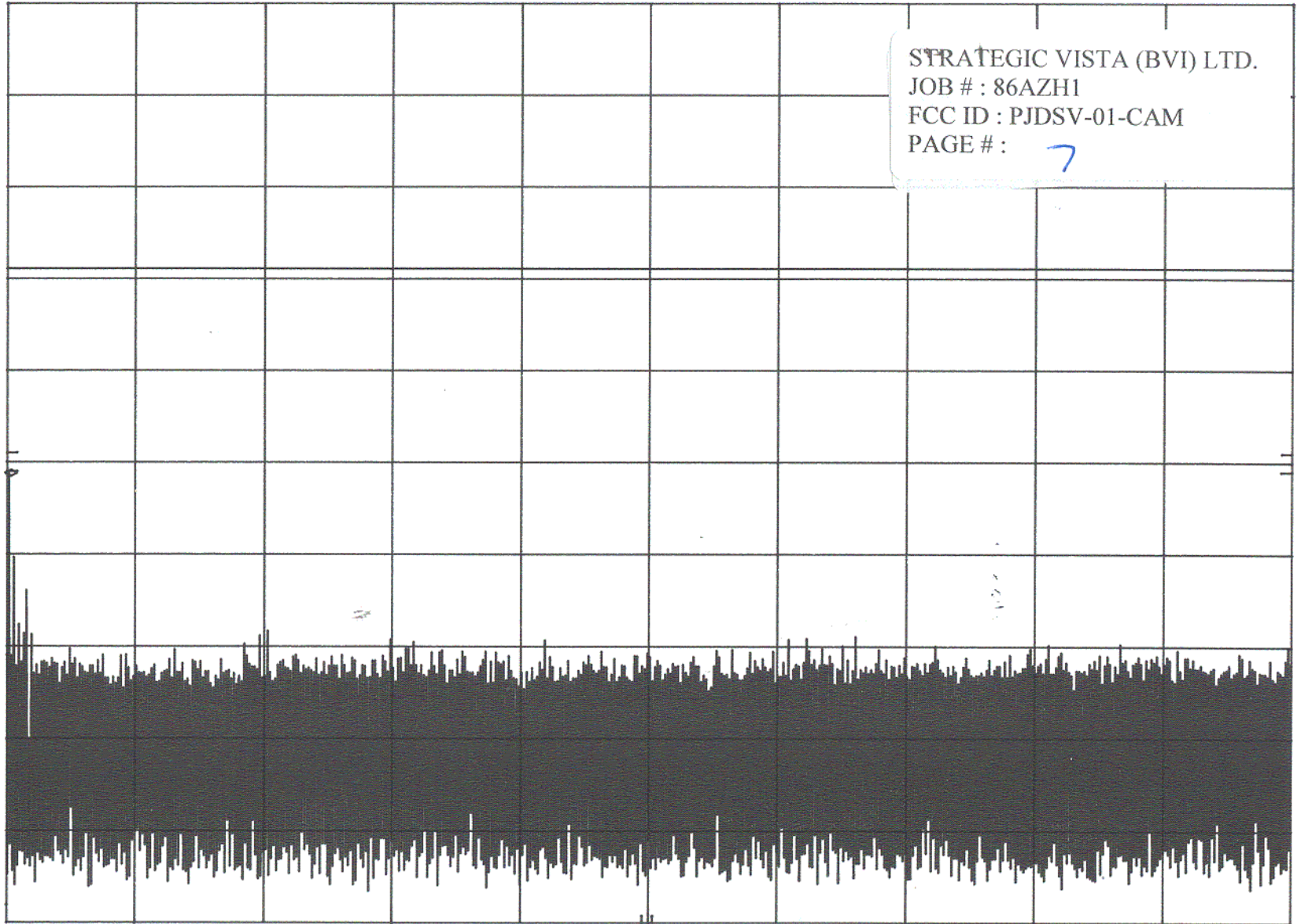
START 450 KHz

RES BW 10 KHz (i)

VBW 10 KHz

STOP 30.0 MHz

SWP 2.30 sec



LINE 2

MKR 450 KHz
66.8 μ V

hp

REF 7.00 mV

ATTEN 10 dB + 10 dB

10 dB/

OFFSET
-10.0
dB

DL
251
 μ V

STRATEGIC VISTA (BVI) LTD.
JOB #: 86AZH1
FCC ID: PJDSV-01-CAM
PAGE #: 8

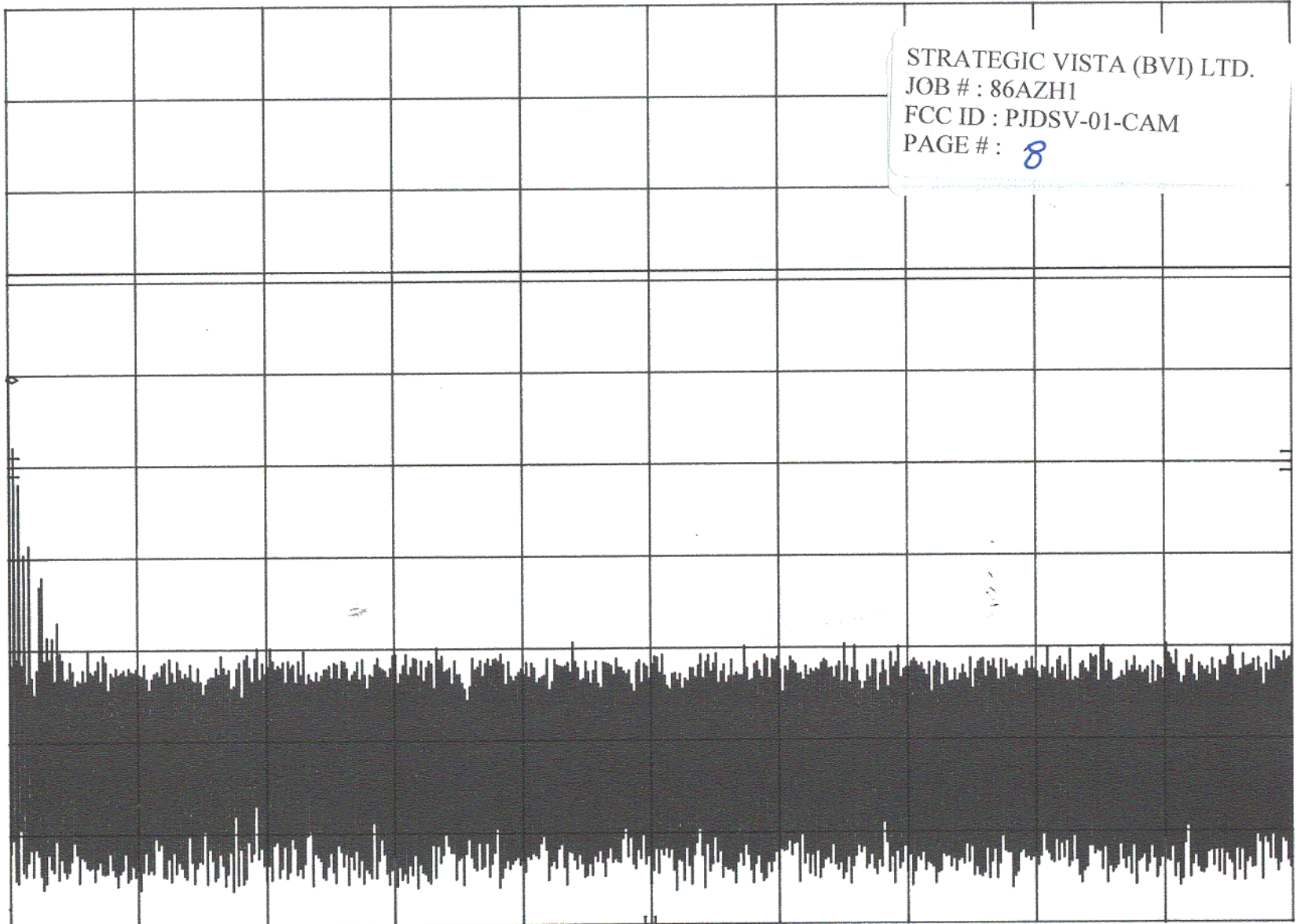
START 450 KHz

RES BW 10 KHz (i)

VBW 10 KHz

STOP 30.0 MHz

SWP 2.30 sec



APPLICANT: STRATEGIC VISTA (BVI) LTD.

FCC ID: PJDSV-01-CAM

NAME OF TEST: RADIATED SPURIOUS EMISSIONS INTO ADJACENT RESTRICTED BAND

REQUIREMENTS: Emissions that fall in the restricted bands
(15.205). These emissions must be less than
or equal to 500uV/m (54 dBuV/m).

TEST PROCEDURE: An in band field strength measurement of the fundamental
Emission using the RBW and detector function required
By C63.4-2000 and FCC Rules. The procedure was repeated
With an average detector and a plot made. The calculated
field strength in the adjacent restricted band is
presented below.

-3.4 M.R.
+29.21 ACF
<u>+2.0 COAX LOSS</u>
27.81 DbUv

APPLICANT : STRATEGIC VISTA (BVI)
FCC ID : PJDSV-01-CAM
REPORT # : T:\CUS\S\STRATE\86AZH1\86AZH1.RPT
PAGE # : 9

MKR 2.483 50 GHz

-3.40 dB μ V

hp

REF 62.0 dB μ V ATTN 0 dB +0 dB

10 dB/

OFFSET
-35.0
dB

DL
12.0
dB μ V

STRATEGIC VISTA (BVI) LTD.
JOB #: 86AZH1
FCC ID: PJDSV-01-CAM
PAGE #: 10

MARKER

2.483 50 GHz

-3.40 dB μ V

START 2.470 0 GHz

RES BW 1 MHz (i)

VBW 10 Hz

STOP 2.485 0 GHz

SWP 7.20 sec