

TEST REPORT

To:	HORIZON HOBBY, LLC		To:	-	
Attn:	ERIN HASSAN		Attn:	-	
Address:	4105 FIELDSTONE RD., CHAMPAIGN, IL 61822		Address:	-	
Fax:			Fax:	-	
E-mail:	ehassan@horizonhobby.com		E-mail:	-	
Folder No.:	AG	6X-17M	Y134ETHP-B		
Factory name:					
Location:					
Product:			Vicro Race Receive : SPMSR2010	er	
	/		Sample No:	HK170418/031	
			Date of Receipt:	April 18, 2017	
			Test date:	June 10, 2017 to June 15, 2017	
			Test Requested:	FCC Part 15 - 2015	
	SR2010		Test Method:	ANSI C63.10 - 2013	
			FCC ID:	BRWSR2000	
The results g	given in this report are related to the tes	sted sp	ecimen of the des	cribed electrical apparatus.	
CONCLUSION:	The submitted sample was found to <u>C(</u>	OMPLY	with requirement	of FCC Part 15 Subpart C.	
	Authorized	l Signat	ure:		
Sy Lais					
Reviewed by: Sze Tsz Man Approved by: Law Man Kit					
Date: June 19, 2			June 19, 2017		

BUREAU VERITAS HONG KONG LIMITED – Kowloon Bay Office 1/F Pacific Trade Centre, 2 Kai Hing Road, Kowloon Bay, Kowloon,HONG KONG Tel: +852 2331 0888 Fax: +852 2331 0889 www.cps.bureauveritas.com



TEST REPORT No: (5217)129-1140(C) Test Result Summary

EMISSION TEST									
Test requirement: FCC Part 15 - 2015	Test requirement: FCC Part 15 - 2015								
Test Condition	Toot Mothod	Test	Result						
Test Condition	Test Method	Pass	Failed						
Radiated Emission Test,	ANSI C63.10	\boxtimes							
9kHz to 24GHz									
Frequency range of Fundamental Emission	ANSI C63.10	\boxtimes							
26dB Bandwidth of Fundamental Emission	ANSI C63.10	\boxtimes							
Duty Cycle Correction During 100msec	ANSI C63.10	\boxtimes							

Report Revision & Sample Re-submit History:



Location of the test laboratory

Radiated and Conducted emissions measurements are investigated and taken pursuant to the procedures of ANSI C63.10 – 2013. An Open Area Test Site and Full Anechoic Chamber are set up for investigation and located at :

BUREAU VERITAS HONG KONG LIMITED, EMC CENTRE

No. 2106-2107, 21/F., Westin Centre, 26 Hung To Road, Kwun Tong, Kowloon, Hong Kong

List of measuring equipment

Radiated Emission							
EQUIPMENT	MANUFACTURER	MODEL NO.	SERIAL NO.	CAL. DATE	CAL. DUE DATE		
EMI TEST RECEIVER	R&S	ESCI	100379	22-FEB-2017	21-FEB-2018		
SIGNAL ANALYZER 40GHZ	R&S	FSV 40	100977	16-AUG-2016	15-AUG-2017		
BILOG ANTENNA	SCHAFFNER	CBL6112D	25229	27-FEB-2016	26-FEB-2018		
OPEN AREA TEST SITE	BVCPS	N/A	N/A	18-JUN-2016	17-JUN-2017		
ANECHOIC CHAMBER	ALBATROSS	M-CDC	80374004499B	10-MAY-2017	09-MAY-2018		
BICONICAL ANTENNA	R&S	HK116	100179	14-APR-2016	13-APR-2018		
LOG-PERIODIC DIPOLE ARRAY ANTENNA	R&S	HL223	832369/001	07-APR-2016	06-APR-2018		
LOOP ANTENNA	ETS-LINDGREN	6502	00102266	06-NOV-2015	05-NOV-2017		
HORN ANTENNA (1-18GHZ)	SCHWARZBECK	BBHA9120D	9120D-692	05-NOV-2016	04-NOV-2018		
HORN ANTENNA (7.5 – 18GHZ)	SCHWARZBECK	HWRD 750	00015	17-JUN-2016	16-JUN-2018		
WIDEBAND HORN ANTENNA	STEATITE	QWH-SL-18-40- K-SG	12688	03-SEP-2015	02-SEP-2017		
COAXIAL CABLE	SUHNER	N/A	N/A	06-JAN-2017	05-JAN-2018		
COAXIAL CABLE	HUBER + SUHNER	RG214	N/A	04-OCT-2016	03-OCT-2017		

Measurement Uncertainty

MEASUREMENT	FREQUENCY	UNCERTAINTY
	9kHz to 30MHz	4.2dB
	30MHz to 200MHz	4.5dB
Radiated emissions	200MHZ to 1GHz	5.6dB
	1GHz to 18GHz	4.7dB
	18GHz to 40GHz	5.2dB

Remarks:-

N/A : Not Applicable or Not Available

The measurement instrumentation uncertainty would be taking into consideration on each of the test result

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Equipment Under Test [EUT]	
Description of Sample:	
Model Name:	SR2010 DSMR Micro Race Receiver
Model Number:	SPMSR2010
Additional Model Name:	
Additional Model Number:	
Additional Model information:	
Rating:	6.5Vd.c.



Description of EUT Operation:

The Equipment Under Test (EUT) is a **HORIZON HOBBY, LLC.** of Transmitter. It is operating at 2404MHz to 2476MHz. The lowest, middle and highest frequencies were tested and the results are shown in the report. The EUT transmits data, Modulation by IC, and type is GFSK. There are total 73 channels and below is the frequency list :

				-	-				
2404	2405	2406	2407	2408	2409	2410	2411	2412	2413
2414	2415	2416	2417	2418	2419	2420	2421	2422	2423
2424	2425	2426	2427	2428	2429	2430	2431	2432	2433
2434	2435	2436	2437	2438	2439	2440	2441	2442	2443
2444	2445	2446	2447	2448	2449	2450	2451	2452	2453
2454	2455	2456	2457	2458	2459	2460	2461	2462	2463
2464	2465	2466	2467	2468	2469	2470	2471	2472	2473
2474	2475	2476							

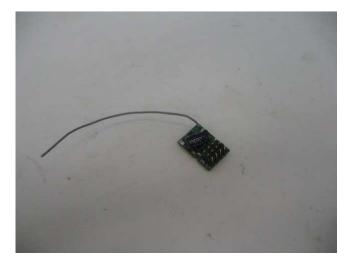
The transmitter has different functions:

- 1. Aux operate as servo channel or as a supply for a personal transponder
- 2. Throttle operate as servo channel
- 3. Steering operate as servo channel
- 4. Bind/Battery recognize to a single unique transmitter or powered by separate battery

Antenna Requirement (Section 15.203)

The EUT is use of a permanently antenna. It is soldered on the PCB. The antenna consists of 9.3cm long wire The antenna is not replaceable or user serviceable. The requirements of S15.203 are met. There are no deviations or exceptions to the specifications.

Photo of Antenna





Test Results

Radiated Emissions (Fundamental)

Test Requirement:	FCC Part 15 Section 15.249
Test Method:	ANSI C63.10
Test Date(s):	2017-06-10
Temperature:	29.0 °C
Humidity:	72.0 %
Atmospheric Pressure:	99.6 kPa
Mode of Operation:	Transmission mode
Tested Voltage:	6.5Vd.c.

Test Procedure:

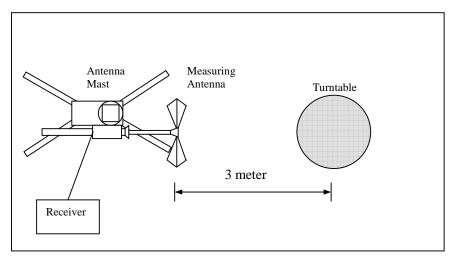
Radiated emissions measurements are investigated and taken pursuant to the procedures of ANSI C63.10 - 2013.

The equipment under test (EUT) was placed on a non-conductive turntable with dimensions of 1.5m x 1m and 0.8m high above the ground for measurement frequency below 1GHz and 1.5m high above the ground for measurement frequency above 1GHz. 3m from the EUT, a broadband antenna mounting on the mast received the signal strength. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, For battery operated equipment, the equipment tests shall be perform using new battery. The turntable was rotated to maximize the emission level. The antenna was then moving along the mast from 1m up to 4m until no more higher value was found. Both horizontal and vertical polarization of the antenna were placed and investigated.

For below 30MHz, a loop antenna with its vertical plane is place 3m from the EUT and rotated about its vertical axis for maximum response at each azimuth about the EUT. And the centre of the loop shall be 1m above the ground.

Location: The Roof, Westin Centre, 26 Hung To Road, Kwun Tong, Kowloon, Hong Kong

Test Setup: Open Area Test Site



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Limits for Field Strength of Fundamental Emissions [FCC 47CFR 15.249]:

Frequency Range of	Field Strength of	Field Strength of
Fundamental	Fundamental Emission	Harmonics Emission
	(Average)	(Average)
[MHz]	[mV/m]	[µV/m]
2400-2483.5	50	500

Measurement Data

Test Result of (Transmission mode, Lowest frequency): PASS

Frequency (MHz)	Polarity (H/V)	Antenna Factor & Cable Loss (dB/m)	Duty- cycle correction (dB)	Field Strength at 3m – Peak (dBµV/m)	Limit at 3m – Peak (dBµV/m)	Margin - Peak (dB)	Field Strength at 3m – Average (dBµV/m)	Limit at 3m – Average (dBµV/m)	Margin - Average (dB)
2404.00	н	-4.8	-30.4	77.3	114.0	-36.7	**46.9	94.0	-47.1
2404.00	V	-4.8	-30.4	71.1	114.0	-42.9	**40.7	94.0	-53.3

Test Result of (Transmission mode, Middle frequency): PASS

Frequency (MHz)	Polarity (H/V)	Antenna Factor & Cable Loss (dB/m)	Duty- cycle correction (dB)	Field Strength at 3m – Peak (dBµV/m)	Limit at 3m – Peak (dBµV/m)	Margin - Peak (dB)	Field Strength at 3m – Average (dBµV/m)	Limit at 3m – Average (dBµV/m)	Margin - Average (dB)
2440.00	Н	-4.8	-30.4	77.7	114.0	-36.3	**47.3	94.0	-46.7
2440.00	V	-4.8	-30.4	72.1	114.0	-41.9	**41.7	94.0	-52.3

Test Result of (Transmission mode, Highest frequency): PASS

Frequency (MHz)	Polarity (H/V)	Antenna Factor & Cable Loss (dB/m)	Duty- cycle correction (dB)	Field Strength at 3m – Peak (dBµV/m)	Limit at 3m – Peak (dBµV/m)	Margin - Peak (dB)	Field Strength at 3m – Average (dBµV/m)	Limit at 3m – Average (dBµV/m)	Margin - Average (dB)
2476.00	Н	-4.8	-30.4	77.0	114.0	-37.0	**46.6	94.0	-47.4
2476.00	Н	-4.8	-30.4	72.9	114.0	-41.1	**42.5	94.0	-51.5

For pulse modulated devices and using measuring equipment employing a peak detection mode, properly adjusted for such factor as pulse desensitisation.

**Duty Cycle Correction = 20Log(0.03) = -30.4dB.

Note: Field Strength includes Antenna Factor and Cable Loss. Receiver setting: RBW = 1MHz

$$VBW = 1MHz$$



Radiated Emissions (Spurious Emission)

Test Requirement:	FCC Part 15 Section 15.249
Test Method:	ANSI C63.10
Test Date(s):	2017-06-10
Temperature:	29.0 °C
Humidity:	72.0 %
Atmospheric Pressure:	99.6 kPa
Mode of Operation:	Transmission mode
Tested Voltage:	6.5Vd.c.

Measurement Data

Test Result of (Transmission mode, Lowest frequency): PASS

Frequency (MHz)	Polarity (H/V)	Antenna Factor & Cable Loss (dB/m)	Duty- cycle correction (dB)	Field Strength at 3m – Peak (dBµV/m)	Limit at 3m – Peak (dBµV/m)	Margin - Peak (dB)	Field Strength at 3m – Average (dBµV/m)	Limit at 3m – Average (dBµV/m)	Margin - Average (dB)
4808.00	Н	4.8	-30.4	60.6	74.0	-13.4	**30.2	54.0	-23.8
7212.00	Н	12.4	-30.4	51.2	74.0	-22.8	**20.8	54.0	-33.2
9616.00	Н	13.5	-30.4	46.1	74.0	-27.9	**15.7	54.0	-38.3
12020.00	Н	19.6	-30.4	51.7	74.0	-22.3	**21.3	54.0	-32.7
14424.00	Н	25.8	-30.4	54.3	74.0	-19.7	**23.9	54.0	-30.1
16828.00	Н	21.2	-30.4	53.9	74.0	-20.1	**23.5	54.0	-30.5
19232.00	Н	46.7	-30.4	55.7	74.0	-18.3	**25.3	54.0	-28.7
21636.00	Н	46.9	-30.4	54.8	74.0	-19.2	**24.4	54.0	-29.6
24040.00	Н	48.0	-30.4	54.3	74.0	-19.7	**23.9	54.0	-30.1
26444.00	Н	48.5	-30.4	55.6	74.0	-18.4	**25.2	54.0	-28.8

For pulse modulated devices and using measuring equipment employing a peak detection mode, properly adjusted for such factor as pulse desensitisation.

**Duty Cycle Correction = 20Log(0.03) = -30.4dB.

**Therefore, -20dB is taken.

Note: Field Strength includes Antenna Factor and Cable Loss. Receiver setting: RBW = 1MHz VBW = 1MHz



Measurement Data

Test Result of (Transmission mode, Lowest frequency): PASS

Frequency (MHz)	Polarity (H/V)	Antenna Factor & Cable Loss (dB/m)	Duty- cycle correction (dB)	Field Strength at 3m – Peak (dBµV/m)	Limit at 3m – Peak (dBµV/m)	Margin - Peak (dB)	Field Strength at 3m – Average (dBµV/m)	Limit at 3m – Average (dBµV/m)	Margin - Average (dB)
4808.00	V	4.8	-30.4	55.5	74.0	-18.5	**25.1	54.0	-28.9
7212.00	V	12.4	-30.4	52.3	74.0	-21.7	**21.9	54.0	-32.1
9616.00	V	13.5	-30.4	45.0	74.0	-29.0	**14.6	54.0	-39.4
12020.00	V	19.6	-30.4	52.1	74.0	-21.9	**21.7	54.0	-32.3
14424.00	V	25.8	-30.4	52.9	74.0	-21.1	**22.5	54.0	-31.5
16828.00	V	21.2	-30.4	53.4	74.0	-20.6	**23.0	54.0	-31.0
19232.00	V	46.7	-30.4	54.1	74.0	-19.9	**23.7	54.0	-30.3
21636.00	V	46.9	-30.4	54.7	74.0	-19.3	**24.3	54.0	-29.7
24040.00	V	48.0	-30.4	54.2	74.0	-19.8	**23.8	54.0	-30.2
26444.00	V	48.5	-30.4	54.6	74.0	-19.4	**24.2	54.0	-29.8

For pulse modulated devices and using measuring equipment employing a peak detection mode, properly adjusted for such factor as pulse desensitisation. **Duty Cycle Correction = 20Log(0.03) = -30.4dB.

Note: Field Strength includes Antenna Factor and Cable Loss. Receiver setting:

RBW = 1MHz VBW = 1MHz



Measurement Data Test Result of (Transmission mode, Middle frequency): PASS

Frequency (MHz)	Polarity (H/V)	Antenna Factor & Cable Loss (dB/m)	Duty- cycle correction (dB)	Field Strength at 3m – Peak (dBµV/m)	Limit at 3m – Peak (dBµV/m)	Margin - Peak (dB)	Field Strength at 3m – Average (dBµV/m)	Limit at 3m – Average (dBµV/m)	Margin - Average (dB)
4880.00	Н	4.8	-30.4	59.0	74.0	-15.0	**28.6	54.0	-25.4
7320.00	Н	12.4	-30.4	48.9	74.0	-25.1	**18.5	54.0	-35.5
9760.00	Н	13.8	-30.4	48.0	74.0	-26.0	**17.6	54.0	-36.4
12200.00	Н	19.5	-30.4	53.4	74.0	-20.6	**23.0	54.0	-31.0
14640.00	Н	26.5	-30.4	54.6	74.0	-19.4	**24.2	54.0	-29.8
17080.00	Н	23.1	-30.4	54.9	74.0	-19.1	**24.5	54.0	-29.5
19520.00	Н	46.7	-30.4	54.5	74.0	-19.5	**24.1	54.0	-29.9
21960.00	Н	47.3	-30.4	53.8	74.0	-20.2	**23.4	54.0	-30.6
24400.00	Н	48.2	-30.4	54.2	74.0	-19.8	**23.8	54.0	-30.2
26840.00	Н	48.5	-30.4	55.3	74.0	-18.7	**24.9	54.0	-29.1

Frequency (MHz)	Polarity (H/V)	Antenna Factor & Cable Loss (dB/m)	Duty- cycle correction (dB)	Field Strength at 3m – Peak (dBµV/m)	Limit at 3m – Peak (dBµV/m)	Margin - Peak (dB)	Field Strength at 3m – Average (dBµV/m)	Limit at 3m – Average (dBµV/m)	Margin - Average (dB)
4880.00	V	4.8	-30.4	54.4	74.0	-19.6	**24.0	54.0	-30.0
7320.00	V	12.4	-30.4	49.6	74.0	-24.4	**19.2	54.0	-34.8
9760.00	V	13.8	-30.4	46.4	74.0	-27.6	**16.0	54.0	-38.0
12200.00	V	19.5	-30.4	52.4	74.0	-21.6	**22.0	54.0	-32.0
14640.00	V	26.5	-30.4	53.4	74.0	-20.6	**23.0	54.0	-31.0
17080.00	V	23.1	-30.4	56.5	74.0	-17.5	**26.1	54.0	-27.9
19520.00	V	46.7	-30.4	52.3	74.0	-21.7	**21.9	54.0	-32.1
21960.00	V	47.3	-30.4	52.0	74.0	-22.0	**21.6	54.0	-32.4
24400.00	V	48.2	-30.4	54.9	74.0	-19.1	**24.5	54.0	-29.5
26840.00	V	48.5	-30.4	55.8	74.0	-18.2	**25.4	54.0	-28.6

For pulse modulated devices and using measuring equipment employing a peak detection mode, properly adjusted for such factor as pulse desensitisation.

**Duty Cycle Correction = 20Log(0.03) = -30.4dB.

Note: Field Strength includes Antenna Factor and Cable Loss. Receiver setting: RBW = 1MHz

VBW = 1MHz

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Measurement Data Test Result of (Transmission mode, Highest frequency): PASS

Frequency (MHz)	Polarity (H/V)	Antenna Factor & Cable Loss (dB/m)	Duty- cycle correction (dB)	Field Strength at 3m – Peak (dBµV/m)	Limit at 3m – Peak (dBµV/m)	Margin - Peak (dB)	Field Strength at 3m – Average (dBµV/m)	Limit at 3m – Average (dBµV/m)	Margin - Average (dB)
4952.00	Н	4.9	-30.4	56.4	74.0	-17.6	**26.0	54.0	-28.0
7428.00	Н	12.6	-30.4	49.5	74.0	-24.5	**19.1	54.0	-34.9
9904.00	Н	13.9	-30.4	47.9	74.0	-26.1	**17.5	54.0	-36.5
12380.00	н	19.2	-30.4	52.7	74.0	-21.3	**22.3	54.0	-31.7
14856.00	Н	25.9	-30.4	55.1	74.0	-18.9	**24.7	54.0	-29.3
17332.00	Н	24.5	-30.4	56.2	74.0	-17.8	**25.8	54.0	-28.2
19808.00	н	46.8	-30.4	55.8	74.0	-18.2	**25.4	54.0	-28.6
22284.00	Н	47.3	-30.4	53.2	74.0	-20.8	**22.8	54.0	-31.2
24760.00	н	48.2	-30.4	54.8	74.0	-19.2	**24.4	54.0	-29.6
27236.00	Н	48.7	-30.4	56.5	74.0	-17.5	**26.1	54.0	-27.9

For pulse modulated devices and using measuring equipment employing a peak detection mode, properly adjusted for such factor as pulse desensitisation.

**Duty Cycle Correction = 20Log(0.03) = -30.4dB.

Receiver setting:

Note: Field Strength includes Antenna Factor and Cable Loss.

RBW = 1MHz VBW = 1MHz



Measurement Data Test Result of (Transmission mode, Highest frequency): PASS

Frequency (MHz)	Polarity (H/V)	Antenna Factor & Cable Loss (dB/m)	Duty- cycle correction (dB)	Field Strength at 3m – Peak (dBµV/m)	Limit at 3m – Peak (dBµV/m)	Margin - Peak (dB)	Field Strength at 3m – Average (dBµV/m)	Limit at 3m – Average (dBµV/m)	Margin - Average (dB)
4952.00	V	4.9	-30.4	53.9	74.0	-20.1	**23.5	54.0	-30.5
7428.00	V	12.6	-30.4	50.3	74.0	-23.7	**19.9	54.0	-34.1
9904.00	V	13.9	-30.4	46.7	74.0	-27.3	**16.3	54.0	-37.7
12380.00	V	19.2	-30.4	51.8	74.0	-22.2	**21.4	54.0	-32.6
14856.00	V	25.9	-30.4	54.6	74.0	-19.4	**24.2	54.0	-29.8
17332.00	V	24.5	-30.4	56.0	74.0	-18.0	**25.6	54.0	-28.4
19808.00	V	46.8	-30.4	55.0	74.0	-19.0	**24.6	54.0	-29.4
22284.00	V	47.3	-30.4	53.6	74.0	-20.4	**23.2	54.0	-30.8
24760.00	V	48.2	-30.4	54.5	74.0	-19.5	**24.1	54.0	-29.9
27236.00	V	48.7	-30.4	55.4	74.0	-18.6	**25.0	54.0	-29.0

For pulse modulated devices and using measuring equipment employing a peak detection mode, properly adjusted for such factor as pulse desensitisation.

**Duty Cycle Correction = 20Log(0.03) = -30.4dB.

Note: Field Strength includes Antenna Factor and Cable Loss. Receiver setting:

RBW = 1MHz

VBW = 1MHz

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Radiated Emissions (30MHz - 2.4GHz)

Test Requirement:	FCC Part 15 Section 15.209
Test Method:	ANSI C63.10
Test Date(s):	2017-06-10
Temperature:	29.0 °C
Humidity:	72.0 %
Atmospheric Pressure:	99.6 kPa
Mode of Operation:	On mode
Tested Voltage:	6.5Vd.c.

Limits for Radiated Emissions [FCC 47 CFR 15.209]:

Frequency Range	Quasi-Peak Limits	Measurement Distance						
[MHz]	[µV/m]	m						
0.009-0.490	2400/F(kHz)	300						
0.490-1.705	24000/F(kHz)	30						
1.705-30	30	30						
30-88	100	3						
88-216	150	3						
216-960	200	3						
Above960	500	3						

Measurement Data

Test Result of (On mode): PASS

Detection mode: Quasi-Peak

	Frequency	Polarity (H/V)	Field Strength	Limit	Margin (dB)			
I	Emissions detected are more than 20 dB below the limit line(s) in							
	9kHz to 30MHz							

Note: Field Strength includes Antenna Factor and Cable Loss.

Receiver setting: RBW = 200Hz VBW = 200Hz



Measurement Data

Test Result of (On mode): PASS

Detection mode: Quasi-Peak

Frequency (MHz)	Polarity (H/V)	Field Strength at 3m (dBµV/m)	Limit at 3m (dBµV/m)	Margin (dB)
41.26	Н	23.4	40.0	-16.6
56.28	Н	20.5	40.0	-19.5
78.80	Н	20.1	40.0	-19.9
166.12	Н	21.2	43.5	-22.3
277.46	Н	22.7	46.0	-23.3
372.16	Н	24.1	46.0	-21.9

Frequency (MHz)	Polarity (H/V)	Field Strength at 3m (dBµV/m)	Limit at 3m (dBµV/m)	Margin (dB)
41.26	V	23.7	40.0	-16.3
56.28	V	20.6	40.0	-19.4
78.80	V	20.3	40.0	-19.7
166.12	V	21.5	43.5	-22.0
277.46	V	22.5	46.0	-23.5
372.16	V	24.0	46.0	-22.0

Note: Field Strength includes Antenna Factor and Cable Loss.

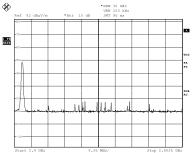
Receiver setting: RBW = 120KHz VBW = 120KHz



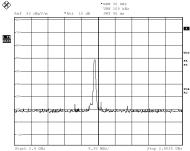
Measurement Data :

Test Result of Frequency Range of Fundamental Emission: PASS

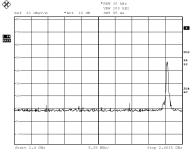
Lowest Frequency – 2404.00MHz



Middle Frequency – 2440.00MHz



Highest Frequency – 2476.00MHz



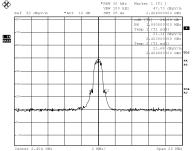
BUREAU VERITAS HONG KONG LIMITED – Kowloon Bay Office 1/F Pacific Trade Centre, 2 Kai Hing Road, Kowloon Bay, Kowloon,HONG KONG Tel: +852 2331 0888 Fax: +852 2331 0889 www.cps.bureauveritas.com



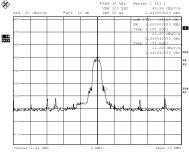
TEST REPORT No: (5217)129-1140(C) Measurement Data :

Test Result of 26dB Bandwidth of Fundamental Emission: PASS

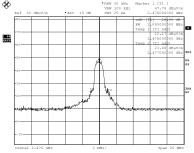
Lowest Frequency – 2404.00MHz



Middle Frequency – 2440.00MHz



Highest Frequency – 2476.00MHz



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Duty Cycle Correction During 100msec:

Each function key sends a different series of characters, but each packet period (<u>100</u>msec) never exceeds a series of 2 pulses (<u>1.5</u>msec). Assuming any combination of short and long pulses maybe obtained due to encoding the worst case transmit duty cycle would be considered <u>2*1.5</u> per <u>100</u>msec = <u>3.0</u>% duty cycle.

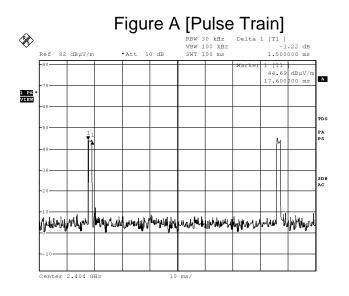
Remarks:

Duty Cycle Correction = 20Log(0.03) = -30.4dB

The following figures [Figure A] show the characteristics of the pulse train for one of these functions.



Measurement Data :





Photographs of EUT

Front View of the product



Top View of the product



Side View of the product



Rear View of the product



Bottom View of the product



Side View of the product



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Photographs of EUT

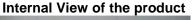
Internal View of the product



Inner Circuit Top View



Antenna





Inner Circuit Bottom View





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Measurement of Radiated Emission Test Set Up

***** End of Report *****

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