



BUREAU VERITAS

# Test Report No.: W7L-241112W001RF01



DH5\_Ant1\_2441\_0-Reference



DH5\_Ant1\_2441\_30~1000

BV 7Layers Communications Technology (Shenzhen) Co., Ltd

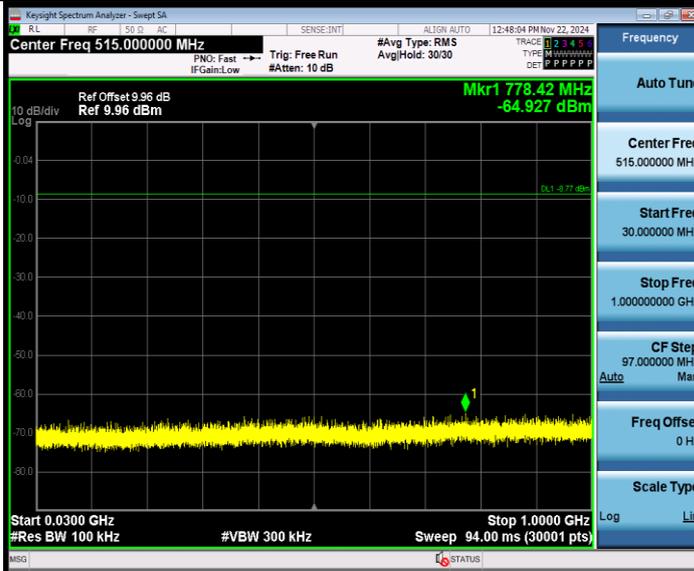
Room B37, Warehouse A5, No.3 Chiwan 4th Road, Zhaoshang Street, Nanshan District Shenzhen, Guangdong, People's Republic of China

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Fax: +86 755 8869 6577  
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)



BUREAU VERITAS

# Test Report No.: W7L-241112W001RF01



DH5\_Ant1\_2441\_1000~26500



DH5\_Ant1\_2480\_0~Reference

BV 7Layers Communications Technology (Shenzhen) Co., Ltd

Room B37, Warehouse A5, No.3 Chiwan 4th Road, Zhaoshang Street, Nanshan District Shenzhen, Guangdong, People's Republic of China

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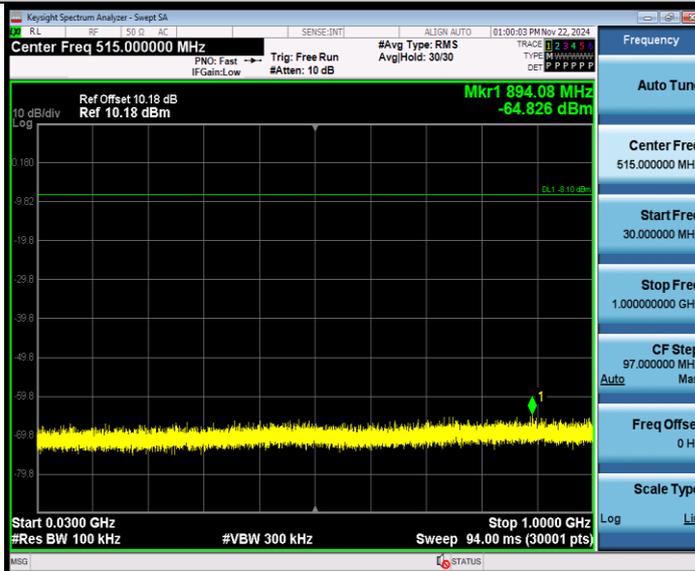


BUREAU VERITAS

# Test Report No.: W7L-241112W001RF01



DH5\_Ant1\_2480\_30~1000



DH5\_Ant1\_2480\_1000~26500

BV 7Layers Communications Technology (Shenzhen) Co., Ltd

Room B37, Warehouse A5, No.3 Chiwan 4th Road, Zhaoshang Street, Nanshan District Shenzhen, Guangdong, People's Republic of China

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# Test Report No.: W7L-241112W001RF01



2DH5\_Ant1\_2402\_0~Reference



2DH5\_Ant1\_2402\_30~1000

BV 7Layers Communications Technology (Shenzhen) Co., Ltd

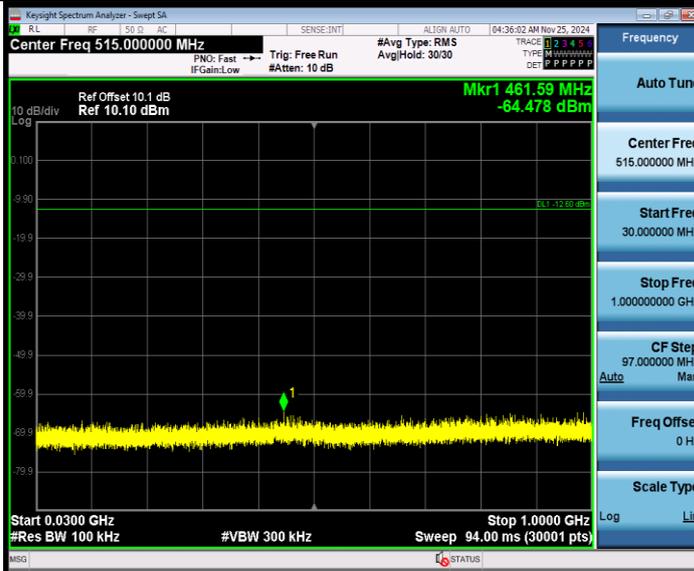
Room B37, Warehouse A5, No.3 Chiwan 4th Road, Zhaoshang Street, Nanshan District Shenzhen, Guangdong, People's Republic of China

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BUREAU VERITAS

### Test Report No.: W7L-241112W001RF01



2DH5\_Ant1\_2402\_1000~26500



2DH5\_Ant1\_2441\_0~Reference

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2DH5\_Ant1\_2441\_30~1000



2DH5\_Ant1\_2441\_1000~26500

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2DH5\_Ant1\_2480\_0~Reference



2DH5\_Ant1\_2480\_30~1000

BV 7Layers Communications Technology (Shenzhen) Co., Ltd

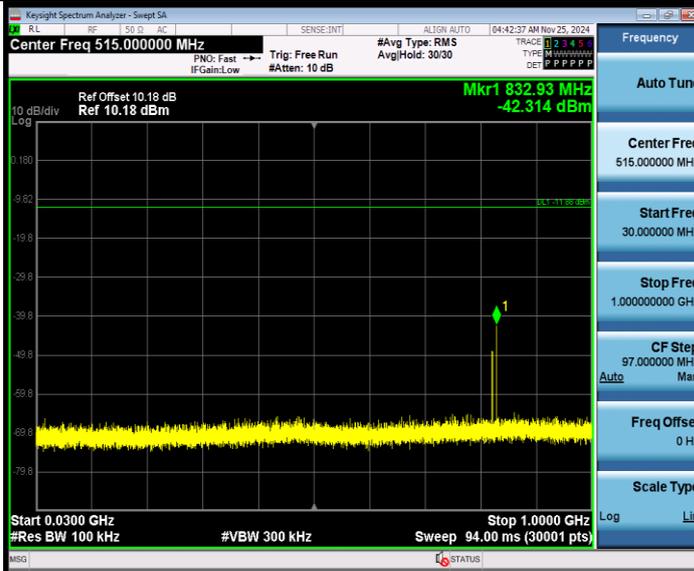
Room B37, Warehouse A5, No.3 Chiwan 4th Road, Zhaoshang Street, Nanshan District Shenzhen, Guangdong, People's Republic of China

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### Test Report No.: W7L-241112W001RF01



2DH5\_Ant1\_2480\_1000~26500



3DH5\_Ant1\_2402\_0~Reference

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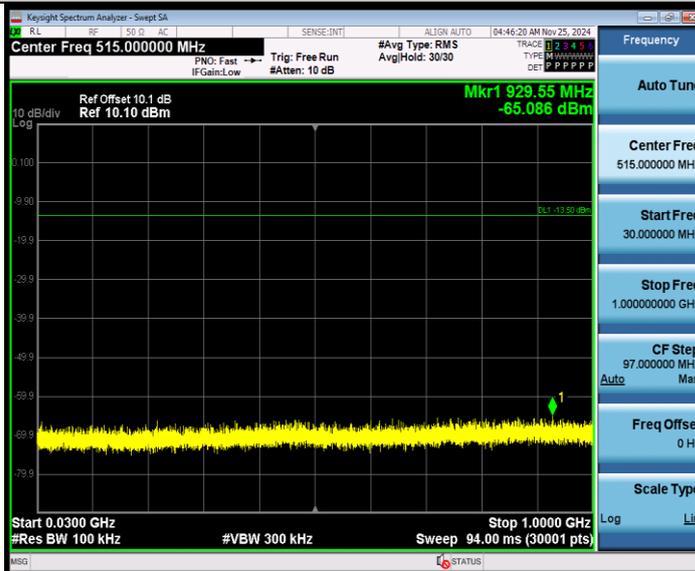


BUREAU VERITAS

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3DH5\_Ant1\_2402\_30~1000



3DH5\_Ant1\_2402\_1000~26500

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3DH5\_Ant1\_2441\_0~Reference



3DH5\_Ant1\_2441\_30~1000

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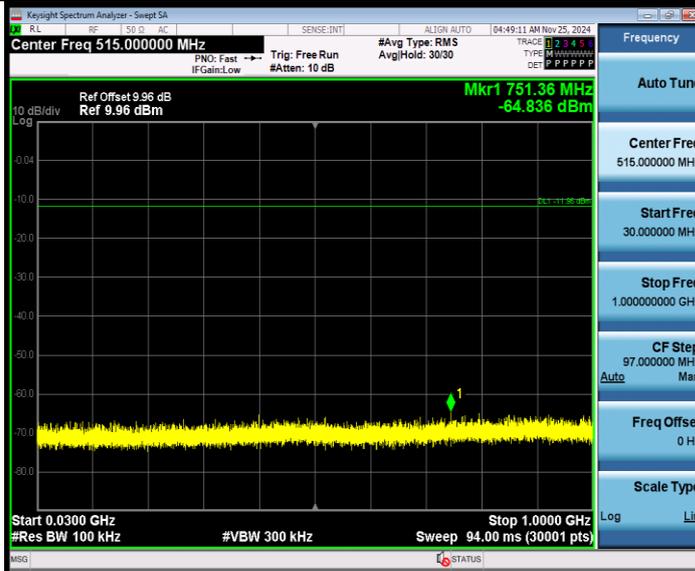
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VERITAS**

**Test Report No.: W7L-241112W001RF01**



3DH5\_Ant1\_2441\_1000~26500



3DH5\_Ant1\_2480\_0~Reference

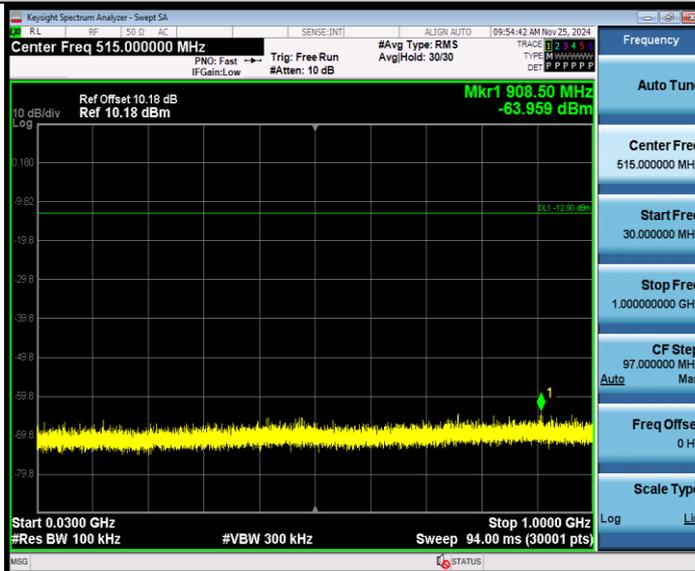


BUREAU VERITAS

Test Report No.: W7L-241112W001RF01



3DH5\_Ant1\_2480\_30~1000



3DH5\_Ant1\_2480\_1000~26500

BV 7Layers Communications Technology (Shenzhen) Co., Ltd

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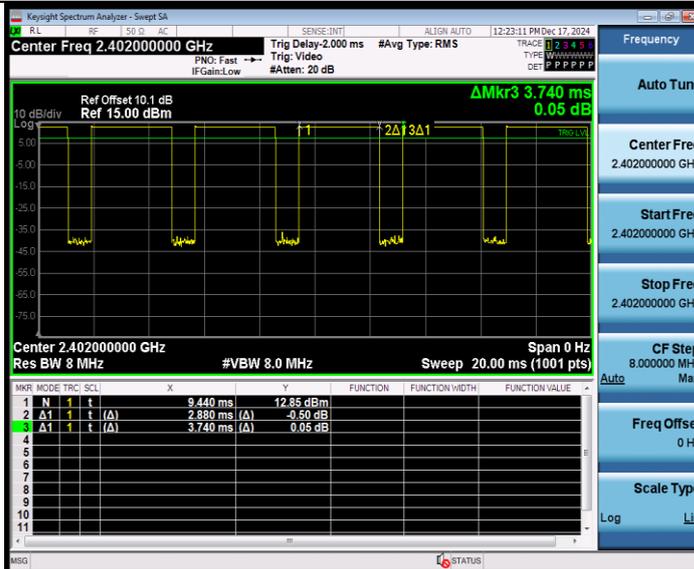


## DUTY CYCLE TEST RESULT

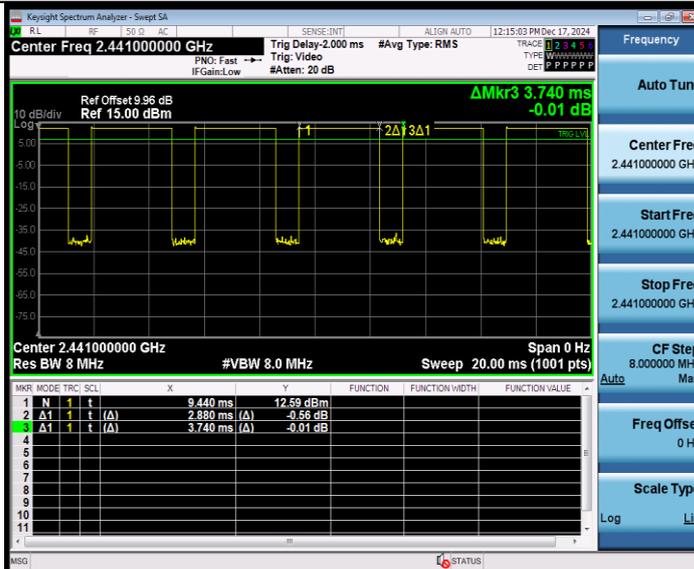
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DH5	Ant1	2402	2.88	3.74	77.01	1.13
		2441	2.88	3.74	77.01	1.13
		2480	2.88	3.74	77.01	1.13
2DH5	Ant1	2402	2.88	3.74	77.01	1.13
		2441	2.88	3.74	77.01	1.13
		2480	2.88	3.74	77.01	1.13
3DH5	Ant1	2402	2.88	3.74	77.01	1.13
		2441	2.88	3.74	77.01	1.13
		2480	2.88	3.74	77.01	1.13

### TEST GRAPHS

DH5\_Ant1\_2402



DH5\_Ant1\_2441

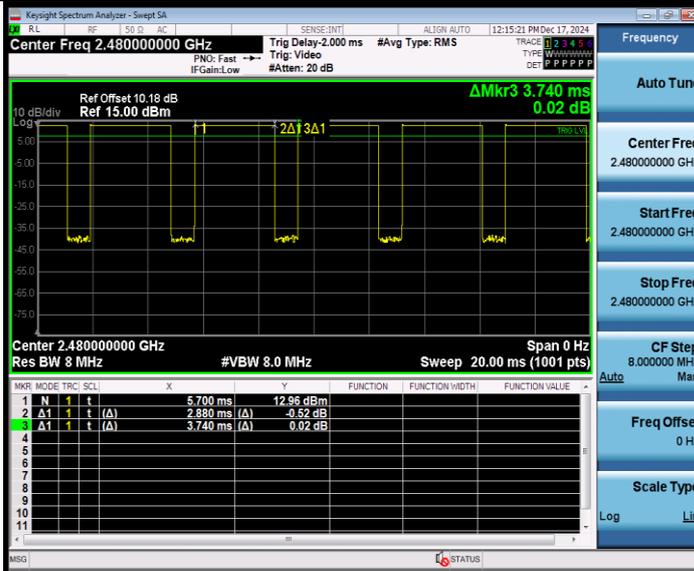


DH5\_Ant1\_2480

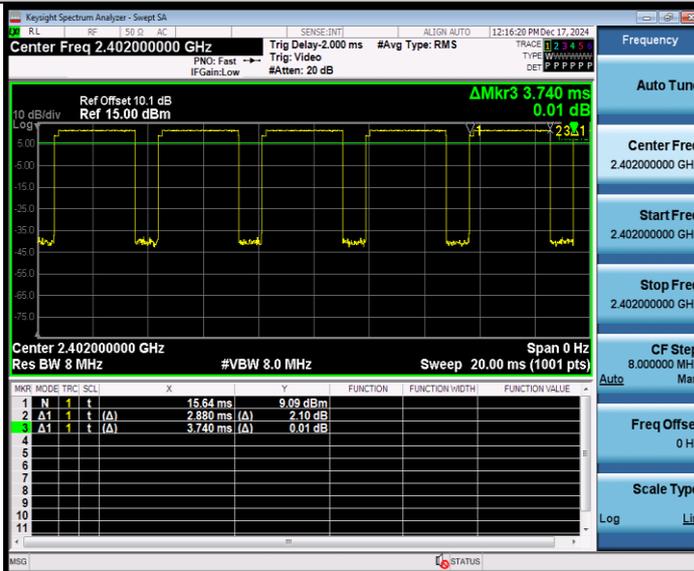


BUREAU VERITAS

# Test Report No.: W7L-241112W001RF01



2DH5\_Ant1\_2402



2DH5\_Ant1\_2441

BV 7Layers Communications Technology (Shenzhen) Co., Ltd

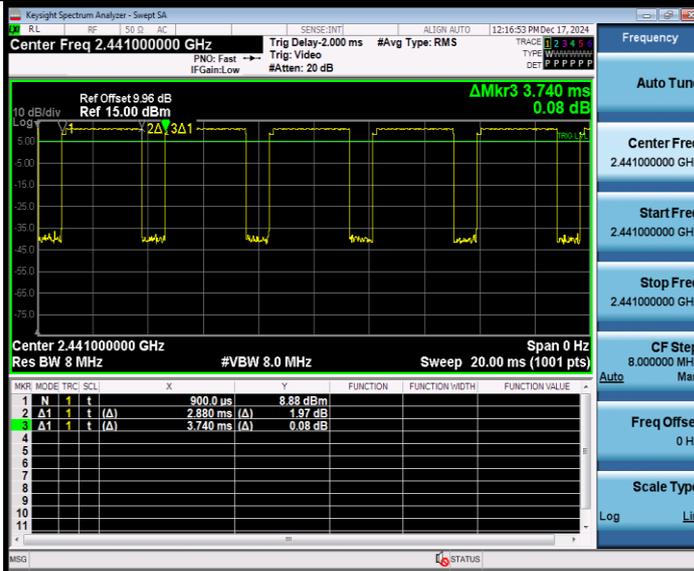
Room B37, Warehouse A5, No.3 Chiwan 4th Road, Zhaoshang Street, Nanshan District Shenzhen, Guangdong, People's Republic of China

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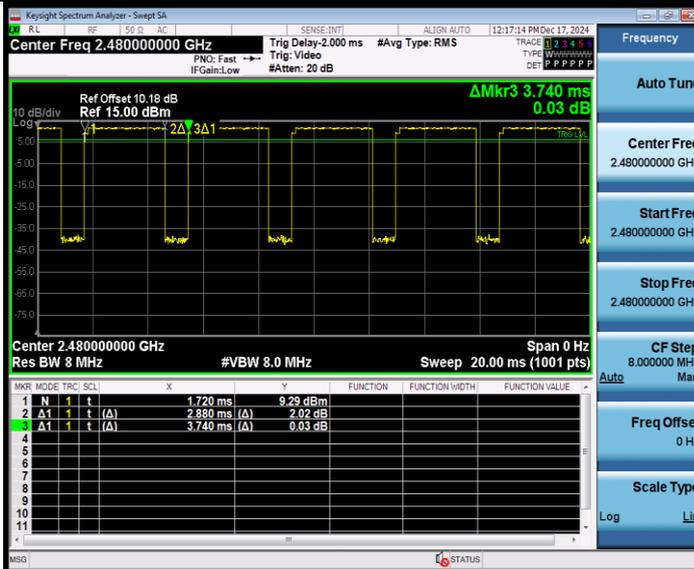


BUREAU VERITAS

# Test Report No.: W7L-241112W001RF01



2DH5\_Ant1\_2480



3DH5\_Ant1\_2402

BV 7Layers Communications Technology (Shenzhen) Co., Ltd

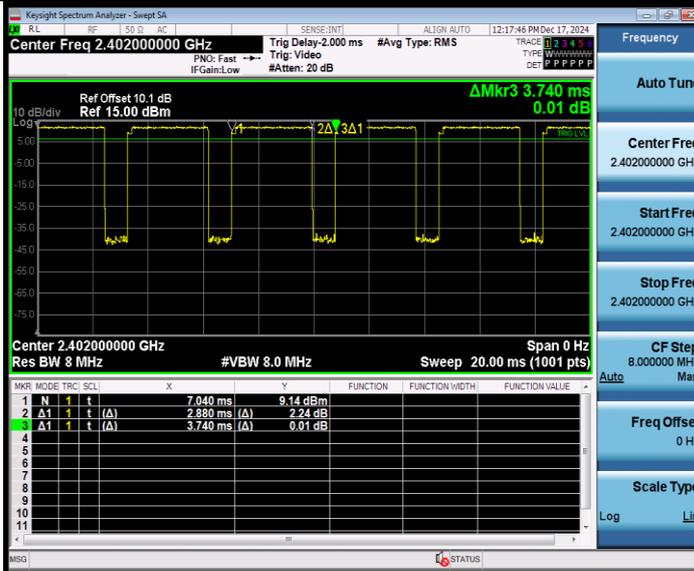
Room B37, Warehouse A5, No.3 Chiwan 4th Road, Zhaoshang Street, Nanshan District Shenzhen, Guangdong, People's Republic of China

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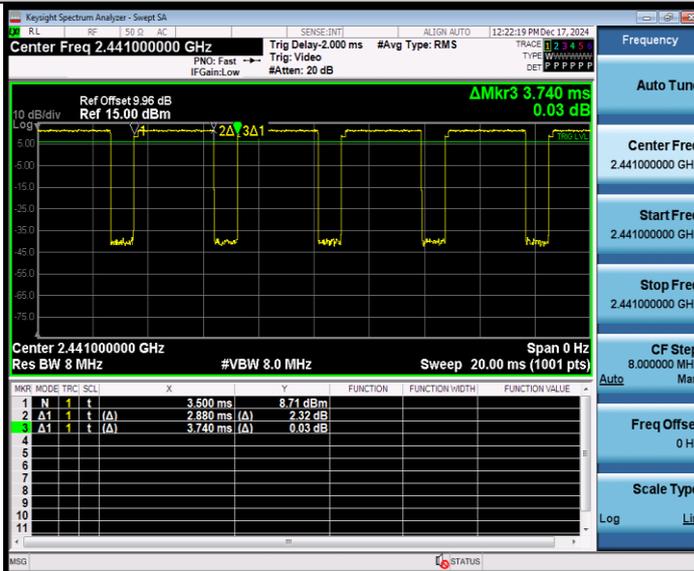


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# Test Report No.: W7L-241112W001RF01



3DH5\_Ant1\_2441



3DH5\_Ant1\_2480

BV 7Layers Communications Technology (Shenzhen) Co., Ltd

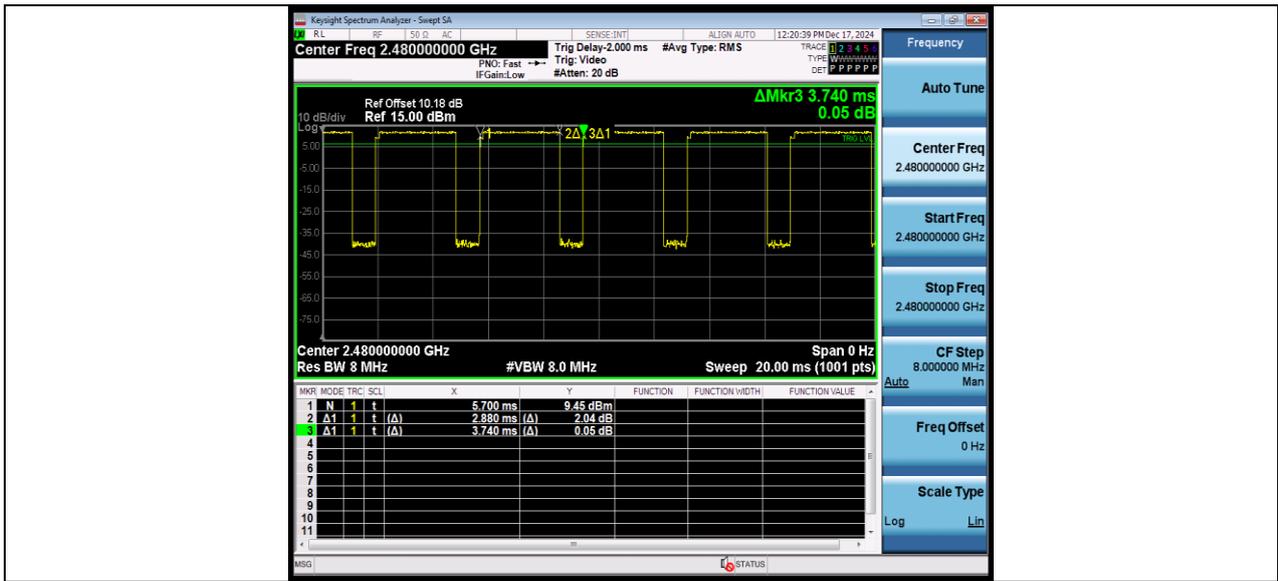
Room B37, Warehouse A5, No.3 Chiwan 4th Road, Zhaoshang Street, Nanshan District Shenzhen, Guangdong, People's Republic of China

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**Test Report No.: W7L-241112W001RF01**



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Test Report No.: W7L-241112W001RF01

**LEFT**

**20DB EMISSION BANDWIDTH**

**TEST RESULT**

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.936	2401.556	2402.492	---	---
		2441	0.954	2440.547	2441.501	---	---
		2480	0.951	2479.547	2480.498	---	---
2DH5	Ant1	2402	1.326	2401.340	2402.666	---	---
		2441	1.326	2440.343	2441.669	---	---
		2480	1.341	2479.334	2480.675	---	---
3DH5	Ant1	2402	1.311	2401.355	2402.666	---	---
		2441	1.350	2440.331	2441.681	---	---
		2480	1.329	2479.343	2480.672	---	---

### TEST GRAPHS

DH5\_Ant1\_2402



DH5\_Ant1\_2441



DH5\_Ant1\_2480



BUREAU VERITAS

# Test Report No.: W7L-241112W001RF01



2DH5\_Ant1\_2402



2DH5\_Ant1\_2441



BUREAU VERITAS

# Test Report No.: W7L-241112W001RF01



2DH5\_Ant1\_2480



3DH5\_Ant1\_2402



BUREAU VERITAS

# Test Report No.: W7L-241112W001RF01



3DH5\_Ant1\_2441



3DH5\_Ant1\_2480



BUREAU VERITAS

# Test Report No.: W7L-241112W001RF01



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VERITAS

Test Report No.: W7L-241112W001RF01

## OCCUPIED CHANNEL BANDWIDTH TEST RESULT

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87720	2401.5750	2402.4522	---	---
		2441	0.86656	2440.5777	2441.4442	---	---
		2480	0.84702	2479.5860	2480.4330	---	---
2DH5	Ant1	2402	1.1903	2401.4117	2402.6020	---	---
		2441	1.2044	2440.4066	2441.6110	---	---
		2480	1.2016	2479.4088	2480.6104	---	---
3DH5	Ant1	2402	1.1977	2401.4090	2402.6067	---	---
		2441	1.1943	2440.4123	2441.6066	---	---
		2480	1.2041	2479.4030	2480.6071	---	---

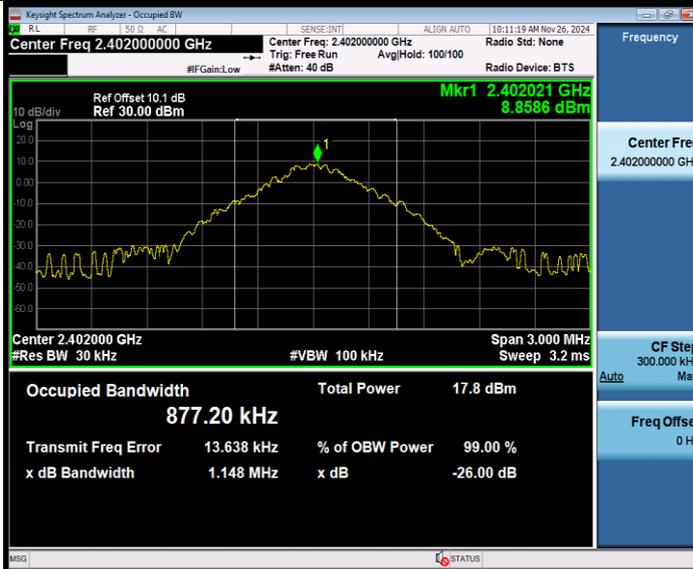


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### TEST GRAPHS

DH5\_Ant1\_2402



DH5\_Ant1\_2441

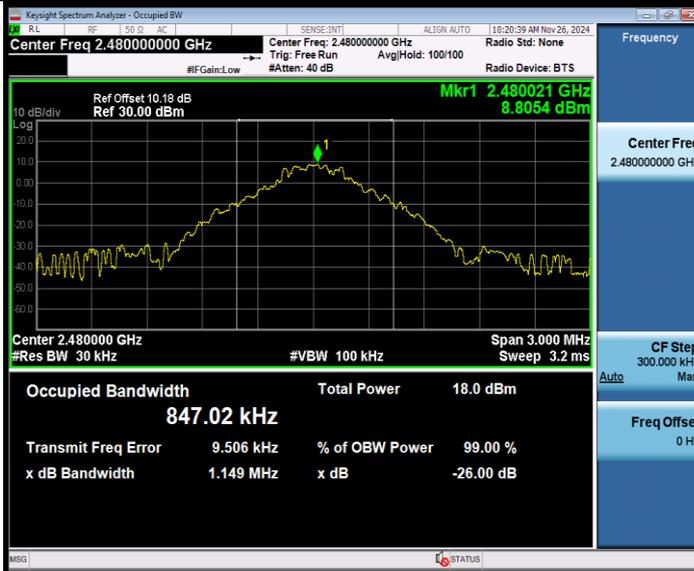


DH5\_Ant1\_2480



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### Test Report No.: W7L-241112W001RF01



2DH5\_Ant1\_2402

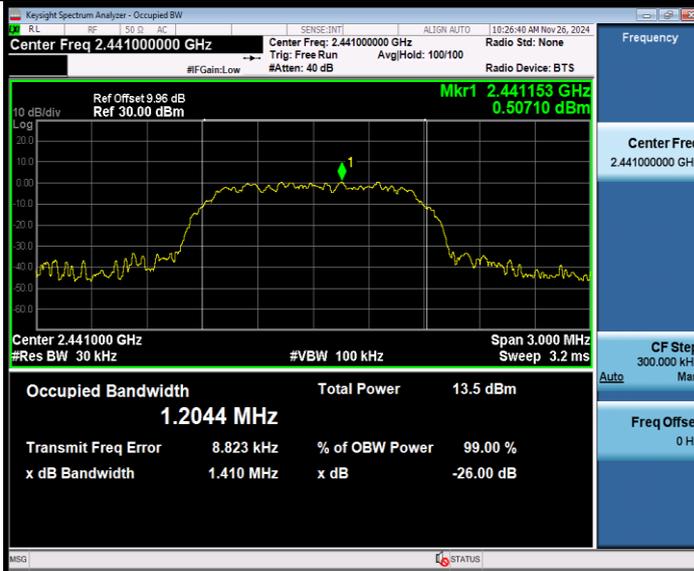


2DH5\_Ant1\_2441

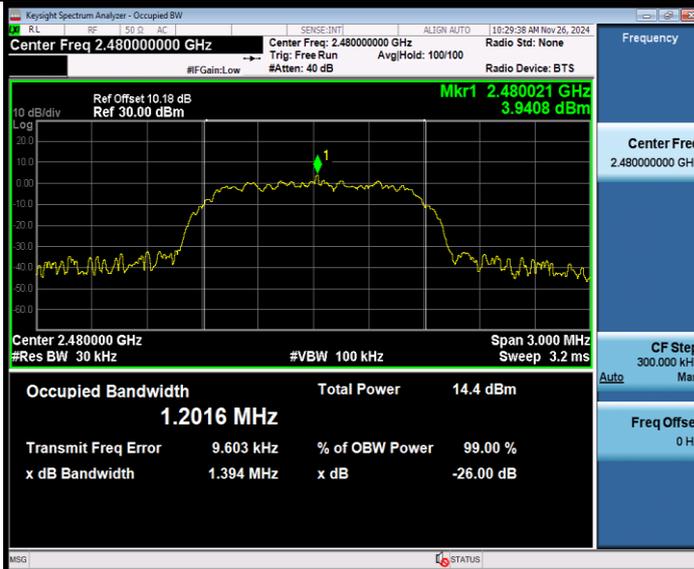


BUREAU VERITAS

# Test Report No.: W7L-241112W001RF01



2DH5\_Ant1\_2480



3DH5\_Ant1\_2402



BUREAU VERITAS

# Test Report No.: W7L-241112W001RF01



3DH5\_Ant1\_2441



3DH5\_Ant1\_2480



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Test Report No.: W7L-241112W001RF01





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Test Report No.: W7L-241112W001RF01

## MAXIMUM CONDUCTED OUTPUT POWER TEST RESULT

TestMode	Antenna	Frequency [MHz]	Average power [dBm]	Peak Power [dBm]	Peak power [mw]	Conducted Limit [dBm]	EIRP [dBm]	EIRP [mw]	EIRP Limit [dBm]	Verdict	Power Setting
DH5	Ant1	2402	11.72	12.28	16.90	≤20.97	5.22	3.33	≤36.00	PASS	Default
		2441	11.6	12.37	17.26	≤20.97	5.31	3.40	≤36.00	PASS	Default
		2480	11.54	12.41	17.42	≤20.97	5.35	3.43	≤36.00	PASS	Default
2DH5	Ant1	2402	8.82	11.34	13.61	≤20.97	4.28	2.68	≤36.00	PASS	Default
		2441	8.96	11.44	13.93	≤20.97	4.38	2.74	≤36.00	PASS	Default
		2480	8.73	11.56	14.32	≤20.97	4.50	2.82	≤36.00	PASS	Default
3DH5	Ant1	2402	8.83	11.83	15.24	≤20.97	4.77	3.00	≤36.00	PASS	Default
		2441	8.94	11.93	15.60	≤20.97	4.87	3.07	≤36.00	PASS	Default
		2480	9.07	12.04	16.00	≤20.97	4.98	3.15	≤36.00	PASS	Default

Note: EIRP=Peak Power+Gain



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Test Report No.: W7L-241112W001RF01

## CARRIER FREQUENCY SEPARATION

### TEST RESULT

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.156	$\geq 0.636$	PASS
2DH5	Ant1	Hop	1.01	$\geq 0.894$	PASS
3DH5	Ant1	Hop	1.028	$\geq 0.900$	PASS

## TEST GRAPHS

DH5\_Ant1\_Hop



2DH5\_Ant1\_Hop



3DH5\_Ant1\_Hop