

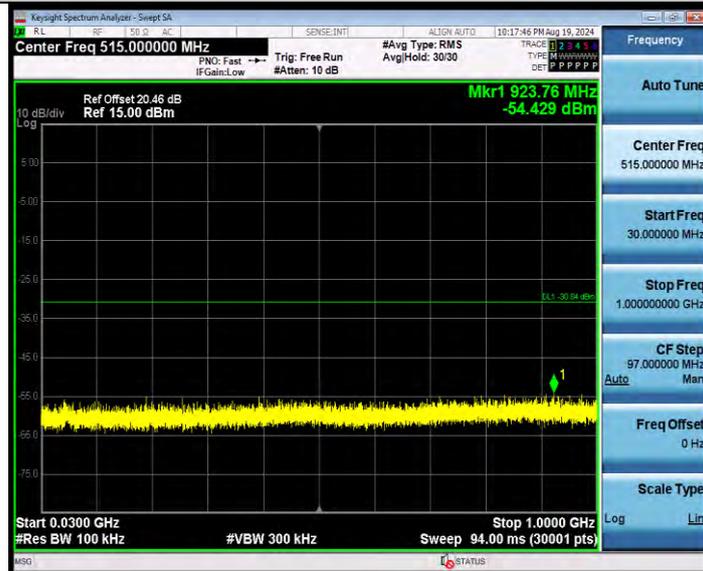


BUREAU  
VERITAS

Test Report No.: PSU-NQN2407300316RF02



11N40SISO\_Ant1\_2437\_30~1000



11N40SISO\_Ant1\_2437\_1000~26500



BUREAU VERITAS

Test Report No.: PSU-NQN2407300316RF02



11N40SISO\_Ant1\_2452\_0~Reference



11N40SISO\_Ant1\_2452\_30~1000

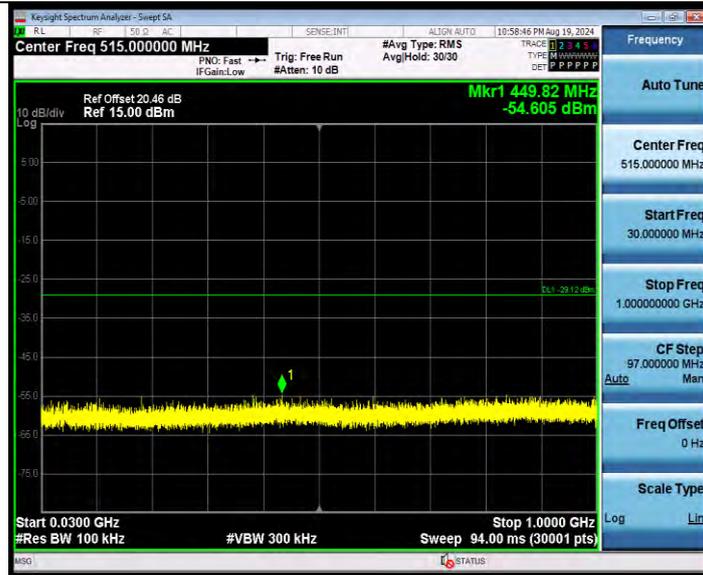
BV 7Layers Communications Technology (Shenzhen) Co., Ltd

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

Tel: +86 755 8869 6566  
Fax: +86 755 8869 6577  
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)



**BUREAU VERITAS** Test Report No.: PSU-NQN2407300316RF02



11N40SISO\_Ant1\_2452\_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

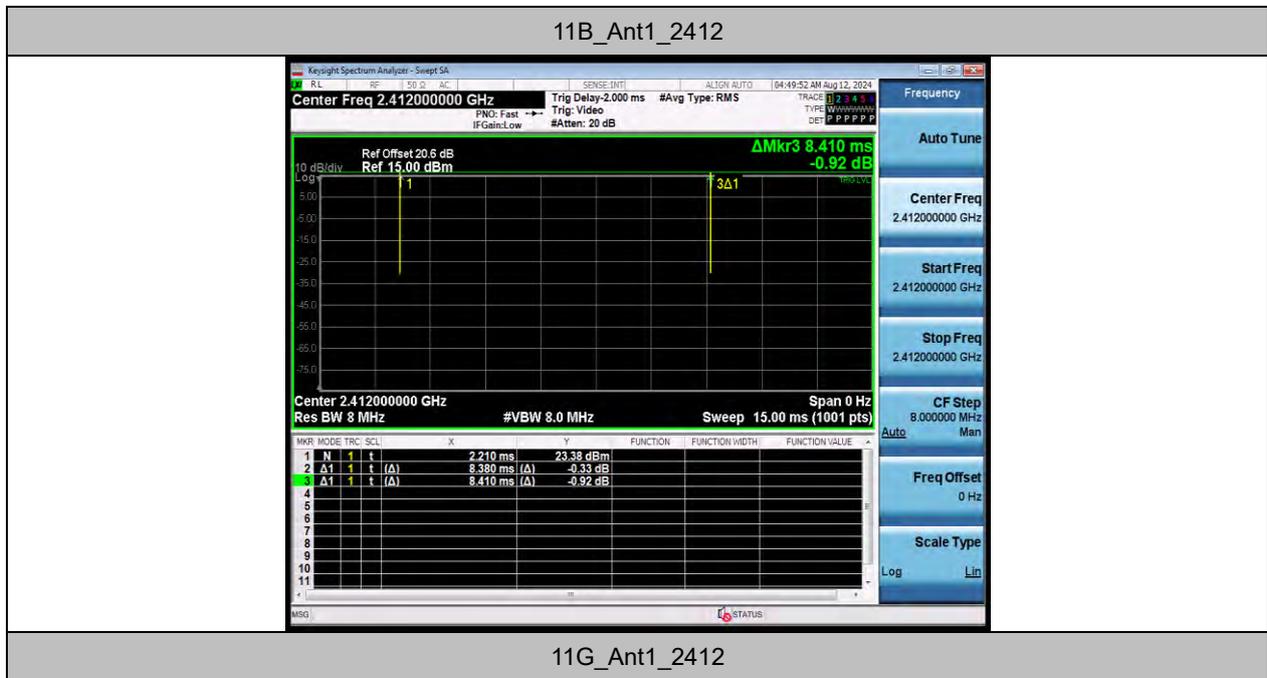
Tel: +86 755 8869 6566  
 Fax: +86 755 8869 6577  
 Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)



## DUTY CYCLE TEST RESULT

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	8.38	8.41	99.64	0.02
11G	Ant1	2412	1.39	1.43	97.20	0.12
11N20SISO	Ant1	2412	1.30	1.34	97.01	0.13
11N40SISO	Ant1	2422	0.65	0.69	94.20	0.26

## TEST GRAPHS





BUREAU VERITAS

Test Report No.: PSU-NQN2407300316RF02



11N20SISO\_Ant1\_2412

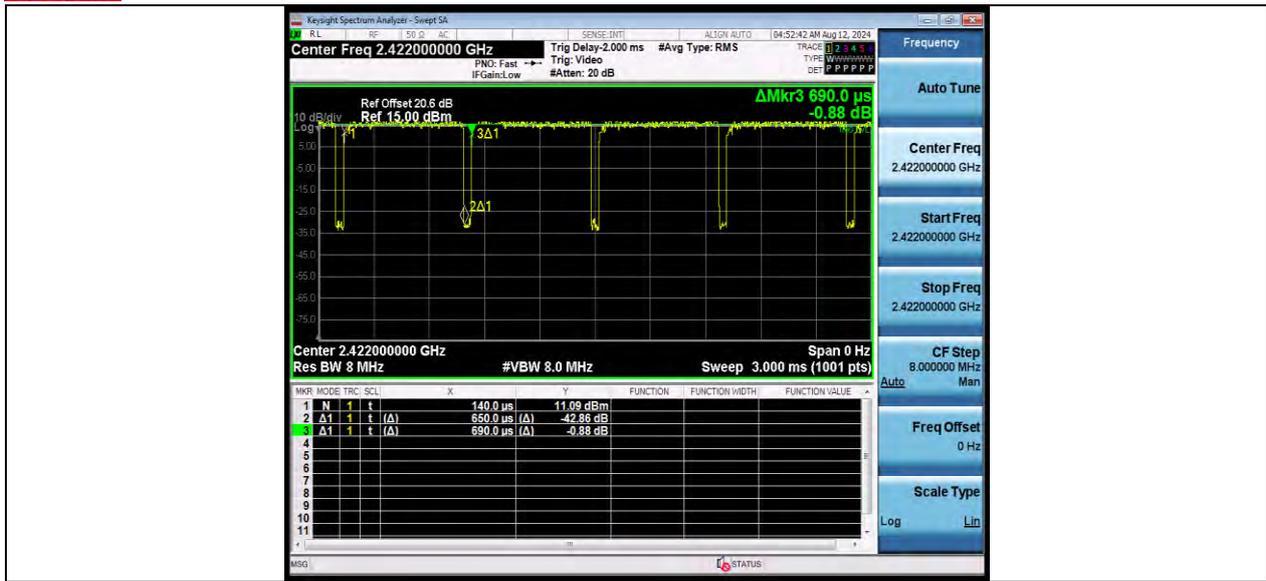


11N40SISO\_Ant1\_2422



**BUREAU  
VERITAS**

**Test Report No.: PSU-NQN2407300316RF02**



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

Tel: +86 755 8869 6566  
Fax: +86 755 8869 6577  
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)



BLE

DTS BANDWIDTH

TEST RESULT

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.660	2401.676	2402.336	0.5	PASS
		2440	0.652	2439.684	2440.336	0.5	PASS
		2480	0.684	2479.668	2480.352	0.5	PASS
BLE_2M	Ant1	2404	1.244	2403.352	2404.596	0.5	PASS
		2440	1.120	2439.444	2440.564	0.5	PASS
		2478	1.128	2477.452	2478.580	0.5	PASS
BLE_125K	Ant1	2402	0.676	2401.664	2402.340	0.5	PASS
		2440	0.676	2439.668	2440.344	0.5	PASS
		2480	0.680	2479.664	2480.344	0.5	PASS
BLE_500K	Ant1	2402	0.664	2401.676	2402.340	0.5	PASS
		2440	0.652	2439.688	2440.340	0.5	PASS
		2480	0.668	2479.676	2480.344	0.5	PASS



TEST GRAPHS

BLE\_1M\_Ant1\_2402



BLE\_1M\_Ant1\_2440



BLE\_1M\_Ant1\_2480



BUREAU VERITAS

Test Report No.: PSU-NQN2407300316RF02



BLE\_2M\_Ant1\_2404



BLE\_2M\_Ant1\_2440



BUREAU VERITAS

Test Report No.: PSU-NQN2407300316RF02



BLE\_2M\_Ant1\_2478



BLE\_125K\_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

Tel: +86 755 8869 6566  
Fax: +86 755 8869 6577  
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)



**BUREAU  
VERITAS**

**Test Report No.: PSU-NQN2407300316RF02**



BLE\_125K\_Ant1\_2440



BLE\_125K\_Ant1\_2480



BUREAU VERITAS

Test Report No.: PSU-NQN2407300316RF02



BLE\_500K\_Ant1\_2402



BLE\_500K\_Ant1\_2440



BUREAU VERITAS

Test Report No.: PSU-NQN2407300316RF02



BLE\_500K\_Ant1\_2480





## OCCUPIED CHANNEL BANDWIDTH TEST RESULT

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0367	2401.4861	2402.5228	---	---
		2440	1.0307	2439.4910	2440.5217	---	---
		2480	1.0346	2479.4896	2480.5242	---	---
BLE_2M	Ant1	2404	2.0685	2402.9859	2405.0544	---	---
		2440	2.0758	2438.9859	2441.0617	---	---
		2478	2.0619	2476.9871	2479.0490	---	---
BLE_125K	Ant1	2402	1.0538	2401.4762	2402.5300	---	---
		2440	1.0529	2439.4750	2440.5279	---	---
		2480	1.0548	2479.4747	2480.5295	---	---
BLE_500K	Ant1	2402	1.0404	2401.4808	2402.5212	---	---
		2440	1.0130	2439.5007	2440.5137	---	---
		2480	1.0348	2479.4883	2480.5231	---	---

## TEST GRAPHS





**BUREAU  
VERITAS**

**Test Report No.: PSU-NQN2407300316RF02**



BLE\_1M\_Ant1\_2480



BLE\_2M\_Ant1\_2404

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

Tel: +86 755 8869 6566  
Fax: +86 755 8869 6577  
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)



**BUREAU  
VERITAS**

**Test Report No.: PSU-NQN2407300316RF02**



BLE\_2M\_Ant1\_2440



BLE\_2M\_Ant1\_2478



**BUREAU  
VERITAS**

**Test Report No.: PSU-NQN2407300316RF02**



BLE\_125K\_Ant1\_2402



BLE\_125K\_Ant1\_2440

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

Tel: +86 755 8869 6566  
Fax: +86 755 8869 6577  
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)



**BUREAU  
VERITAS**

### Test Report No.: PSU-NQN2407300316RF02



BLE\_125K\_Ant1\_2480



BLE\_500K\_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

Tel: +86 755 8869 6566  
Fax: +86 755 8869 6577  
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)



**BUREAU  
VERITAS**

**Test Report No.: PSU-NQN2407300316RF02**



BLE\_500K\_Ant1\_2440



BLE\_500K\_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

Tel: +86 755 8869 6566  
Fax: +86 755 8869 6577  
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)



**BUREAU  
VERITAS**

### Test Report No.: PSU-NQN2407300316RF02



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

Tel: +86 755 8869 6566  
Fax: +86 755 8869 6577  
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)



### MAXIMUM CONDUCTED OUTPUT POWER

### TEST RESULT

TestMode	Antenna	Channel	Average power [dBm]	Peak power [dBm]	Peak power [mw]	Conducted Limit [dBm]	EIRP [dBm]	EIRP [mw]	EIRP Limit [dBm]	Verdict	Power Setting
BLE_1M	Ant1	2402	2.11	2.63	1.83	≤30	2.39	1.73	≤36	PASS	Default
		2440	3.21	3.69	2.34	≤30	3.45	2.21	≤36	PASS	Default
		2480	2.46	2.96	1.98	≤30	2.72	1.87	≤36	PASS	Default
BLE_2M	Ant1	2404	2	2.73	1.87	≤30	2.49	1.77	≤36	PASS	Default
		2440	3.3	3.71	2.35	≤30	3.47	2.22	≤36	PASS	Default
		2478	2.69	3.04	2.01	≤30	2.8	1.91	≤36	PASS	Default
BLE_125k	Ant1	2402	2.24	2.64	1.84	≤30	2.4	1.74	≤36	PASS	Default
		2440	3.33	3.68	2.33	≤30	3.44	2.21	≤36	PASS	Default
		2480	2.6	2.97	1.98	≤30	2.73	1.87	≤36	PASS	Default
BLE_500K	Ant1	2402	2.11	2.63	1.83	≤30	2.39	1.73	≤36	PASS	Default
		2440	3.2	3.68	2.33	≤30	3.44	2.21	≤36	PASS	Default
		2480	2.46	2.96	1.98	≤30	2.72	1.87	≤36	PASS	Default

**Note: EIRP=Peak Power+Gain**

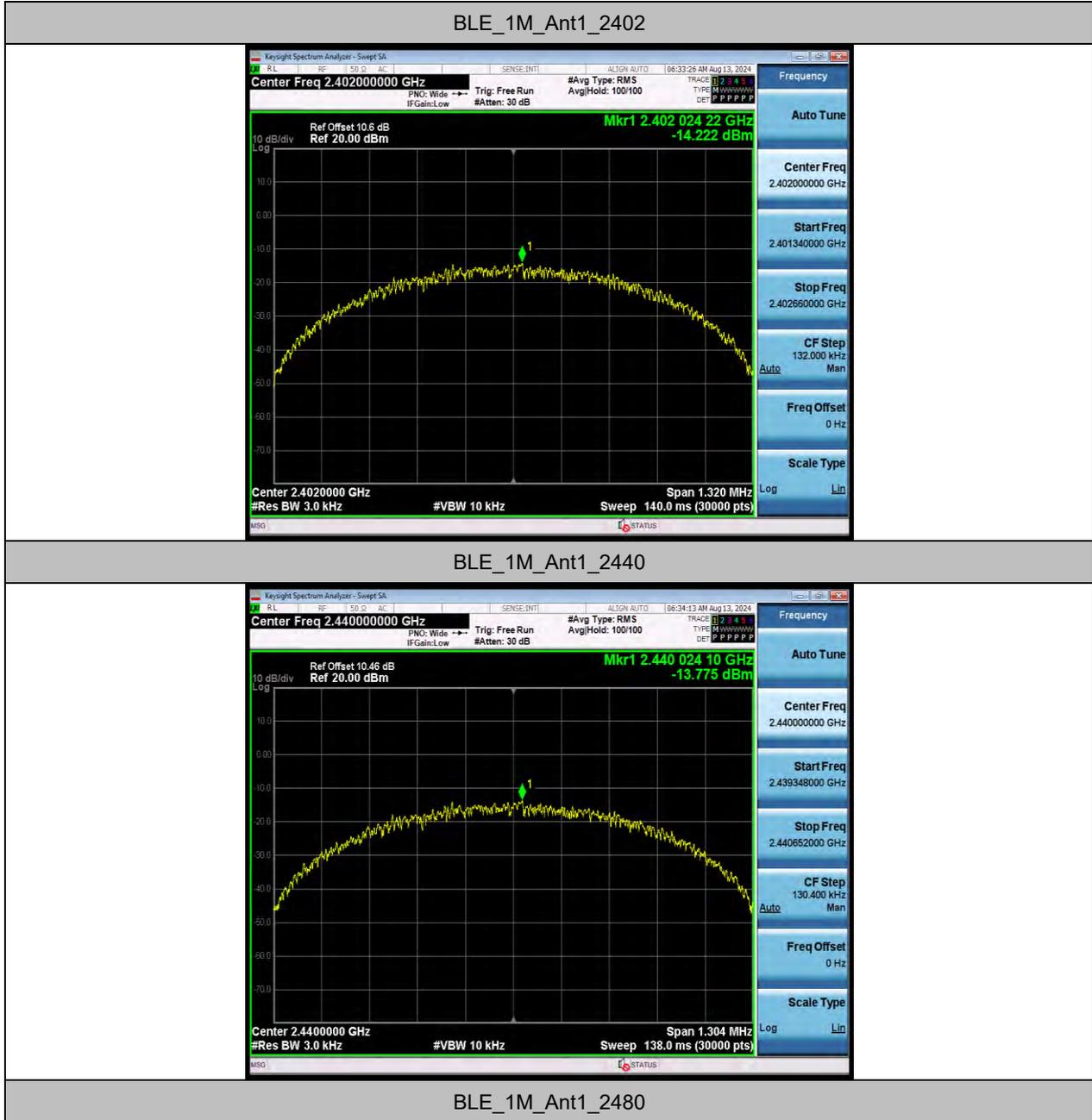


## MAXIMUM POWER SPECTRAL DENSITY TEST RESULT

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.22	≤8.00	PASS
		2440	-13.78	≤8.00	PASS
		2480	-13.73	≤8.00	PASS
BLE_2M	Ant1	2404	-16.73	≤8.00	PASS
		2440	-16.17	≤8.00	PASS
		2478	-16.03	≤8.00	PASS
BLE_125K	Ant1	2402	-4.40	≤8.00	PASS
		2440	-3.92	≤8.00	PASS
		2480	-3.91	≤8.00	PASS
BLE_500K	Ant1	2402	-4.43	≤8.00	PASS
		2440	-4.06	≤8.00	PASS
		2480	-3.93	≤8.00	PASS



### TEST GRAPHS





BUREAU  
VERITAS

# Test Report No.: PSU-NQN2407300316RF02



BLE\_2M\_Ant1\_2404



BLE\_2M\_Ant1\_2440

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

Tel: +86 755 8869 6566  
Fax: +86 755 8869 6577  
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)



**BUREAU  
VERITAS**

**Test Report No.: PSU-NQN2407300316RF02**



BLE\_2M\_Ant1\_2478



BLE\_125K\_Ant1\_2402



**BUREAU  
VERITAS**

**Test Report No.: PSU-NQN2407300316RF02**



BLE\_125K\_Ant1\_2440



BLE\_125K\_Ant1\_2480

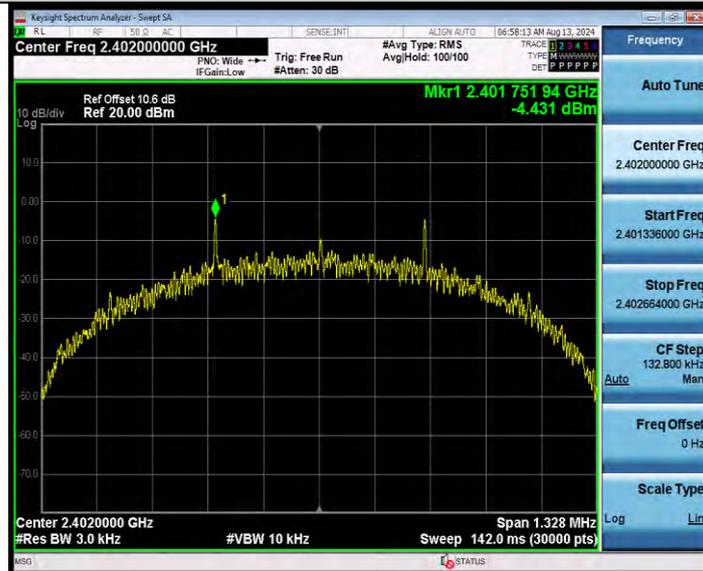


BUREAU  
VERITAS

Test Report No.: PSU-NQN2407300316RF02



BLE\_500K\_Ant1\_2402



BLE\_500K\_Ant1\_2440



BUREAU  
VERITAS

Test Report No.: PSU-NQN2407300316RF02



BLE\_500K\_Ant1\_2480



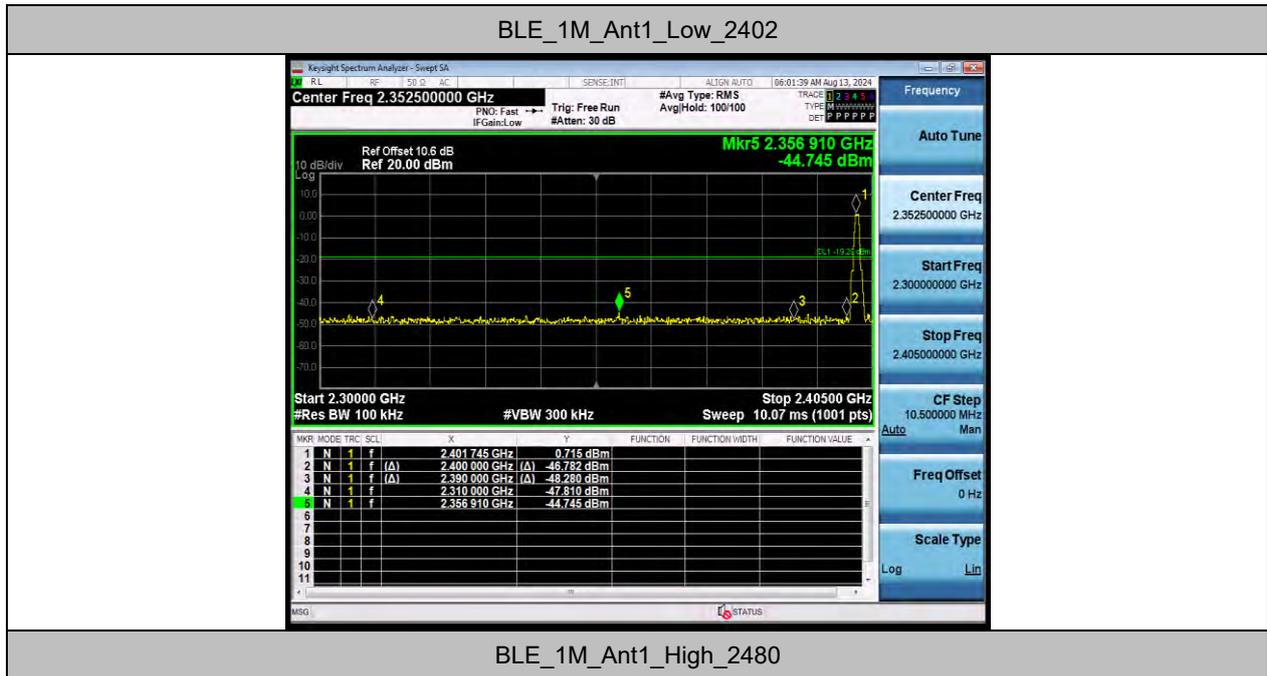


## BAND EDGE MEASUREMENTS

### TEST RESULT

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.72	-44.75	≤-19.29	PASS
		High	2480	1.18	-44.79	≤-18.82	PASS
BLE_2M	Ant1	Low	2404	-0.53	-45.06	≤-20.53	PASS
		High	2478	0.17	-44.4	≤-19.83	PASS
BLE_125K	Ant1	Low	2402	-1.57	-45.49	≤-21.57	PASS
		High	2480	-1.05	-44.87	≤-21.05	PASS
BLE_500K	Ant1	Low	2402	1.07	-45.8	≤-18.93	PASS
		High	2480	1.98	-45.3	≤-18.02	PASS

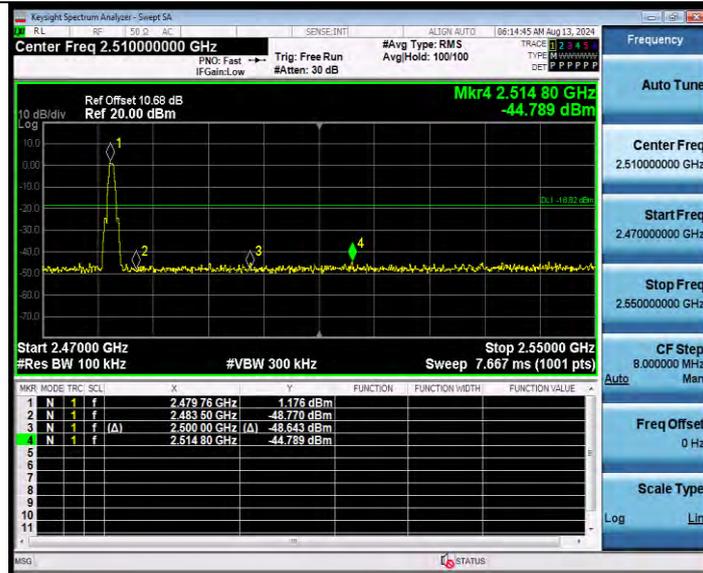
### TEST GRAPHS





BUREAU VERITAS

# Test Report No.: PSU-NQN2407300316RF02



BLE\_2M\_Ant1\_Low\_2404



BLE\_2M\_Ant1\_High\_2478

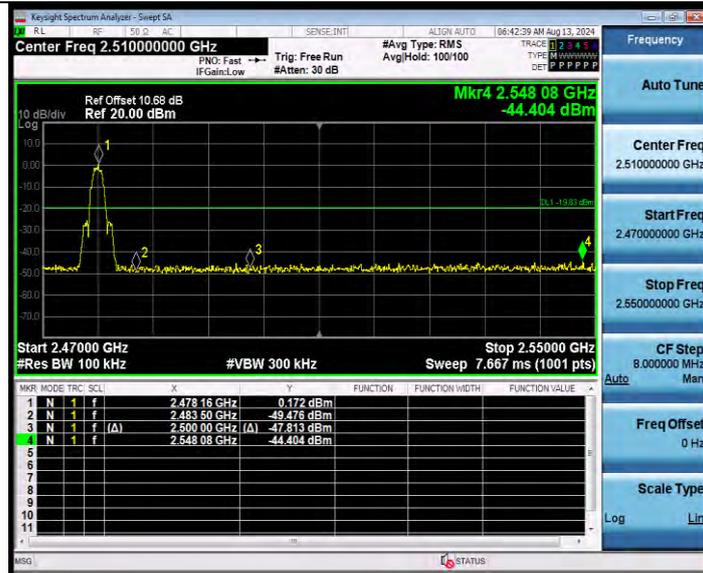
BV 7Layers Communications Technology (Shenzhen) Co., Ltd

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

Tel: +86 755 8869 6566  
Fax: +86 755 8869 6577  
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)



**BUREAU VERITAS** Test Report No.: PSU-NQN2407300316RF02



BLE\_125K\_Ant1\_Low\_2402



BLE\_125K\_Ant1\_High\_2480

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

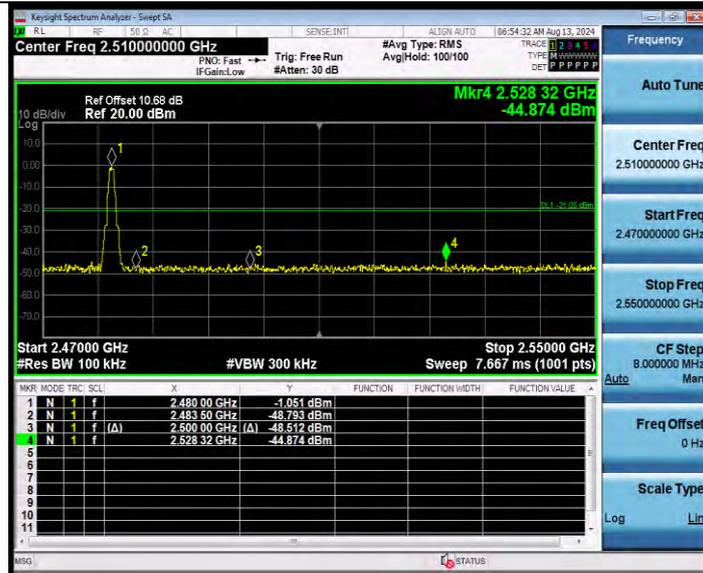
Room B37, Warehouse A5, No.3 Chiwan 4th Road,  
Zhaoshang Street, Nanshan District Shenzhen,  
Guangdong, People's Republic of China

Tel: +86 755 8869 6566  
Fax: +86 755 8869 6577  
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)



BUREAU VERITAS

# Test Report No.: PSU-NQN2407300316RF02



BLE\_500K\_Ant1\_Low\_2402



BLE\_500K\_Ant1\_High\_2480

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

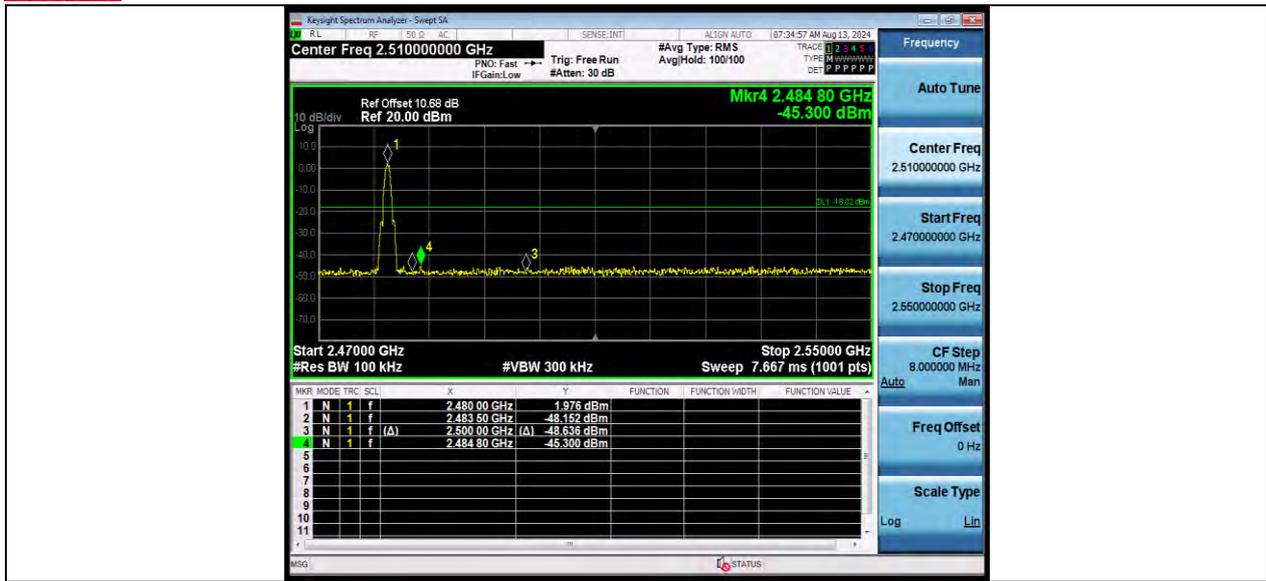
Room B37, Warehouse A5, No.3 Chiwan 4th Road, Zhaoshang Street, Nanshan District Shenzhen, Guangdong, People's Republic of China

Tel: +86 755 8869 6566  
Fax: +86 755 8869 6577  
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)



**BUREAU  
VERITAS**

**Test Report No.: PSU-NQN2407300316RF02**



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

Tel: +86 755 8869 6566  
Fax: +86 755 8869 6577  
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)



## CONDUCTED SPURIOUS EMISSION

### TEST RESULT

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	0.02	0.02	---	PASS
			30~1000	0.02	-64.15	≤-19.98	PASS
			1000~26500	0.02	-45.19	≤-19.98	PASS
		2440	Reference	0.70	0.70	---	PASS
			30~1000	0.70	-64.04	≤-19.3	PASS
			1000~26500	0.70	-45.7	≤-19.3	PASS
		2480	Reference	0.93	0.93	---	PASS
			30~1000	0.93	-63.58	≤-19.07	PASS
			1000~26500	0.93	-45.46	≤-19.07	PASS
BLE_2M	Ant1	2404	Reference	0.03	0.03	---	PASS
			30~1000	0.03	-64.17	≤-19.97	PASS
			1000~26500	0.03	-44.74	≤-19.97	PASS
		2440	Reference	-2.05	-2.05	---	PASS
			30~1000	-2.05	-64.14	≤-22.05	PASS
			1000~26500	-2.05	-45.2	≤-22.05	PASS
		2478	Reference	-0.39	-0.39	---	PASS
			30~1000	-0.39	-63.34	≤-20.39	PASS
			1000~26500	-0.39	-45.32	≤-20.39	PASS
BLE_125K	Ant1	2402	Reference	-1.61	-1.61	---	PASS
			30~1000	-1.61	-63.73	≤-21.61	PASS
			1000~26500	-1.61	-45.33	≤-21.61	PASS
		2440	Reference	-1.11	-1.11	---	PASS
			30~1000	-1.11	-64.55	≤-21.11	PASS
			1000~26500	-1.11	-44.85	≤-21.11	PASS
		2480	Reference	-1.13	-1.13	---	PASS
			30~1000	-1.13	-48.48	≤-21.13	PASS
			1000~26500	-1.13	-44.54	≤-21.13	PASS
BLE_500K	Ant1	2402	Reference	0.20	0.20	---	PASS
			30~1000	0.20	-62.89	≤-19.8	PASS



**BUREAU  
VERITAS**

**Test Report No.: PSU-NQN2407300316RF02**

			1000~26500	0.20	-45.1	≤-19.8	PASS
		2440	Reference	1.02	1.02	---	PASS
			30~1000	1.02	-63.64	≤-18.98	PASS
			1000~26500	1.02	-45.49	≤-18.98	PASS
		2480	Reference	1.62	1.62	---	PASS
			30~1000	1.62	-63.74	≤-18.38	PASS
			1000~26500	1.62	-45.61	≤-18.38	PASS



BUREAU VERITAS

Test Report No.: PSU-NQN2407300316RF02

### TEST GRAPHS

BLE\_1M\_Ant1\_2402\_0~Reference



BLE\_1M\_Ant1\_2402\_30~1000



BLE\_1M\_Ant1\_2402\_1000~26500



BUREAU VERITAS

Test Report No.: PSU-NQN2407300316RF02



BLE\_1M\_Ant1\_2440\_0~Reference



BLE\_1M\_Ant1\_2440\_30~1000

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

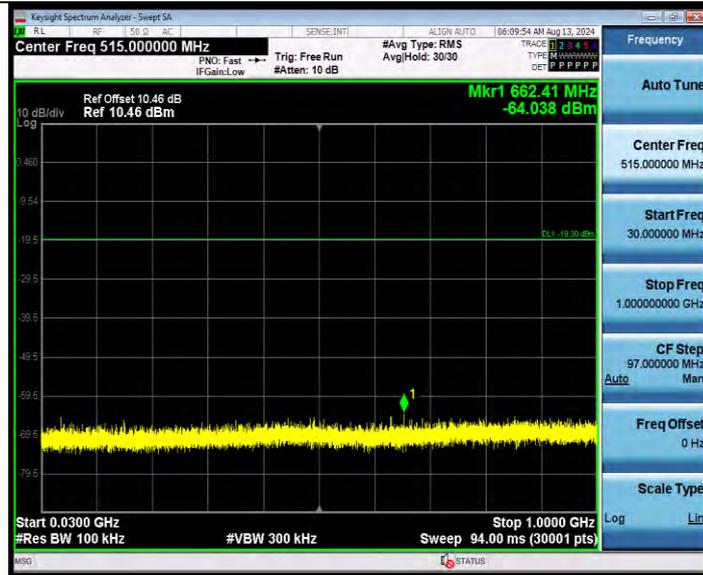
Room B37, Warehouse A5, No.3 Chiwan 4th Road, Zhaoshang Street, Nanshan District Shenzhen, Guangdong, People's Republic of China

Tel: +86 755 8869 6566  
Fax: +86 755 8869 6577  
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)



**BUREAU  
VERITAS**

**Test Report No.: PSU-NQN2407300316RF02**



BLE\_1M\_Ant1\_2440\_1000~26500



BLE\_1M\_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

Tel: +86 755 8869 6566  
Fax: +86 755 8869 6577  
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)

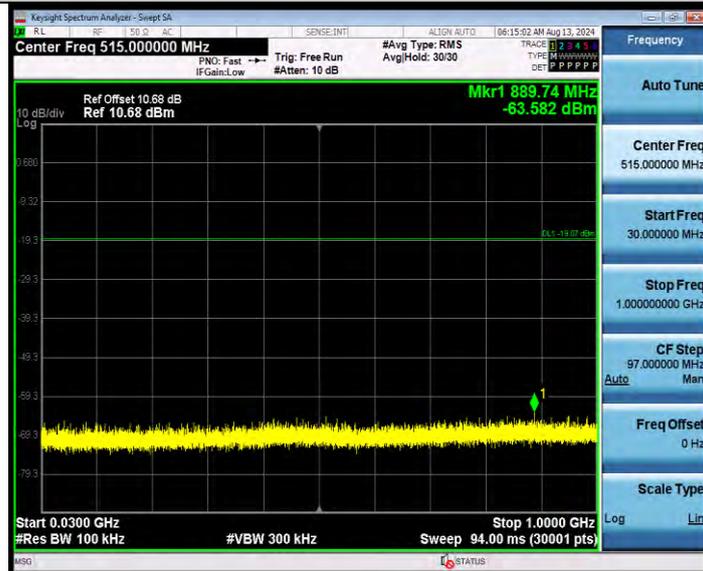


**BUREAU  
VERITAS**

### Test Report No.: PSU-NQN2407300316RF02



BLE\_1M\_Ant1\_2480\_30~1000



BLE\_1M\_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

Tel: +86 755 8869 6566  
Fax: +86 755 8869 6577  
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)



**BUREAU  
VERITAS**

**Test Report No.: PSU-NQN2407300316RF02**



BLE\_2M\_Ant1\_2404\_0~Reference



BLE\_2M\_Ant1\_2404\_30~1000

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

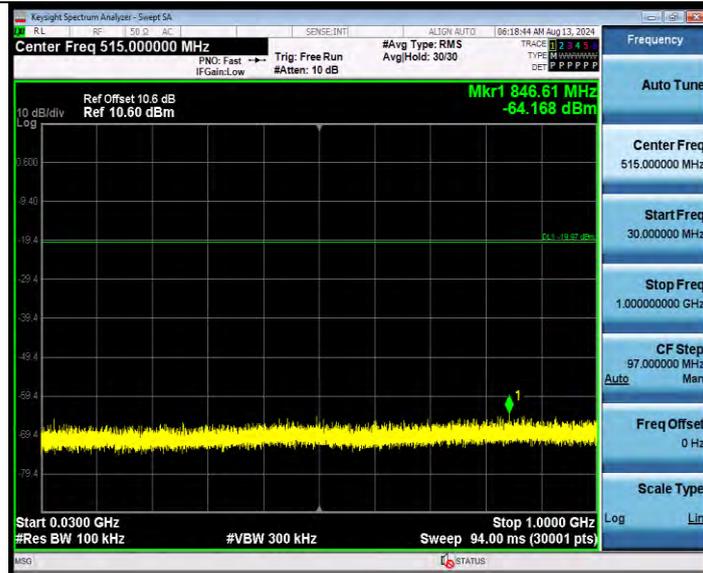
Room B37, Warehouse A5, No.3 Chiwan 4th Road,  
Zhaoshang Street, Nanshan District Shenzhen,  
Guangdong, People's Republic of China

Tel: +86 755 8869 6566  
Fax: +86 755 8869 6577  
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)



**BUREAU  
VERITAS**

**Test Report No.: PSU-NQN2407300316RF02**



BLE\_2M\_Ant1\_2404\_1000~26500



BLE\_2M\_Ant1\_2440\_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

Tel: +86 755 8869 6566  
Fax: +86 755 8869 6577  
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)

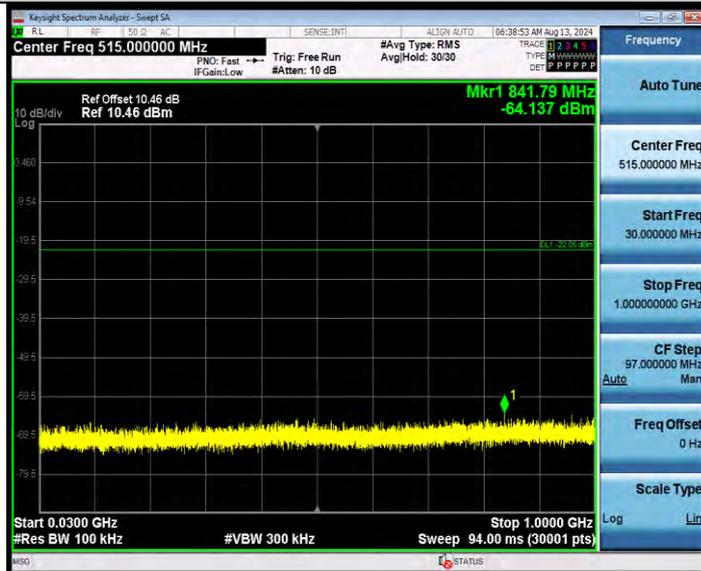


BUREAU VERITAS

Test Report No.: PSU-NQN2407300316RF02



BLE\_2M\_Ant1\_2440\_30~1000



BLE\_2M\_Ant1\_2440\_1000~26500



**BUREAU  
VERITAS**

**Test Report No.: PSU-NQN2407300316RF02**



BLE\_2M\_Ant1\_2478\_0~Reference



BLE\_2M\_Ant1\_2478\_30~1000

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

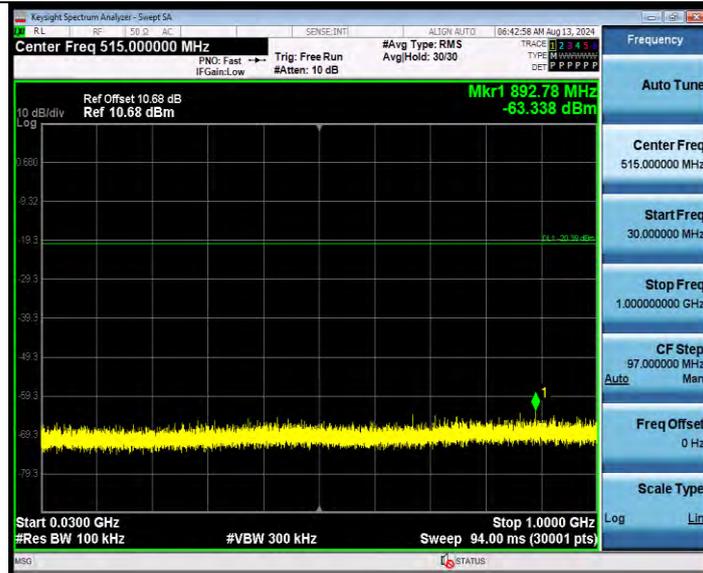
Room B37, Warehouse A5, No.3 Chiwan 4th Road,  
Zhaoshang Street, Nanshan District Shenzhen,  
Guangdong, People's Republic of China

Tel: +86 755 8869 6566  
Fax: +86 755 8869 6577  
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)



**BUREAU  
VERITAS**

**Test Report No.: PSU-NQN2407300316RF02**



BLE\_2M\_Ant1\_2478\_1000~26500



BLE\_125K\_Ant1\_2402\_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

Tel: +86 755 8869 6566  
Fax: +86 755 8869 6577  
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)

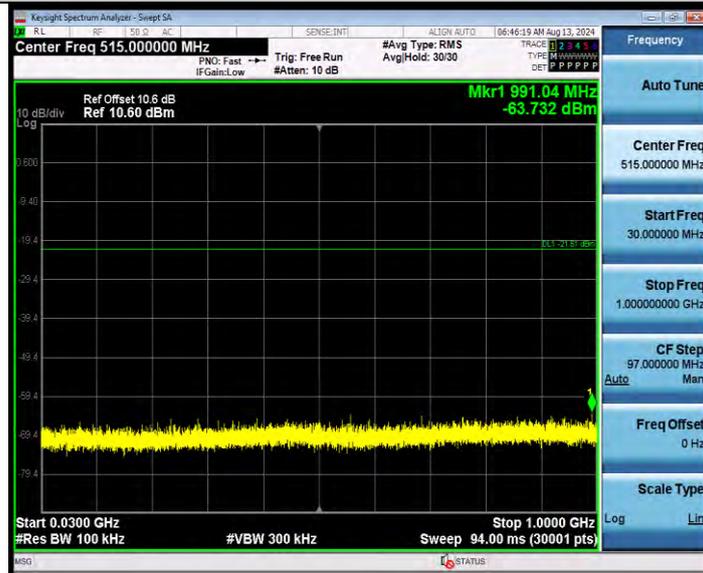


**BUREAU  
VERITAS**

**Test Report No.: PSU-NQN2407300316RF02**



BLE\_125K\_Ant1\_2402\_30~1000



BLE\_125K\_Ant1\_2402\_1000~26500



**BUREAU  
VERITAS**

### Test Report No.: PSU-NQN2407300316RF02



BLE\_125K\_Ant1\_2440\_0~Reference



BLE\_125K\_Ant1\_2440\_30~1000

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

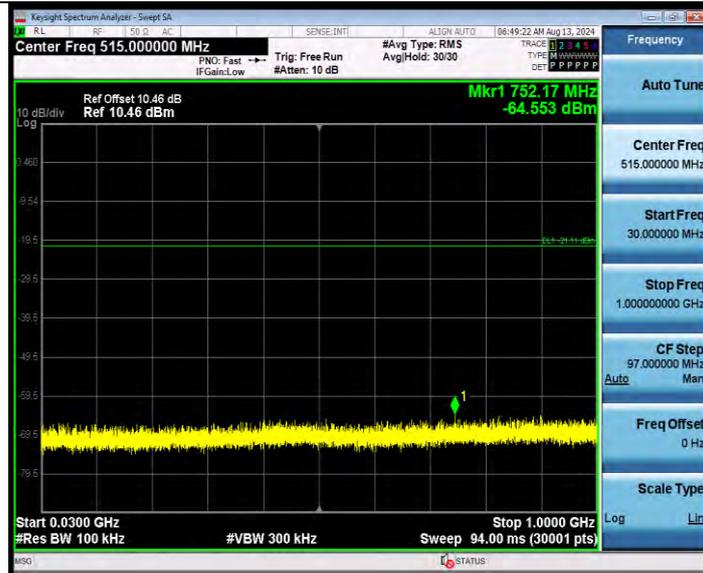
Room B37, Warehouse A5, No.3 Chiwan 4th Road,  
Zhaoshang Street, Nanshan District Shenzhen,  
Guangdong, People's Republic of China

Tel: +86 755 8869 6566  
Fax: +86 755 8869 6577  
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)



**BUREAU  
VERITAS**

**Test Report No.: PSU-NQN2407300316RF02**



BLE\_125K\_Ant1\_2440\_1000~26500



BLE\_125K\_Ant1\_2480\_0~Reference

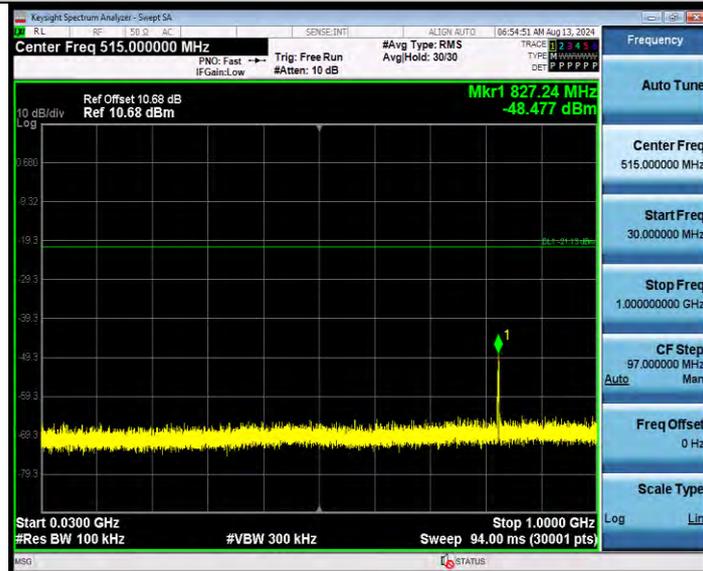


**BUREAU  
VERITAS**

**Test Report No.: PSU-NQN2407300316RF02**



BLE\_125K\_Ant1\_2480\_30~1000



BLE\_125K\_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

Tel: +86 755 8869 6566  
Fax: +86 755 8869 6577  
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)



**BUREAU  
VERITAS**

**Test Report No.: PSU-NQN2407300316RF02**



BLE\_500K\_Ant1\_2402\_0~Reference



BLE\_500K\_Ant1\_2402\_30~1000

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

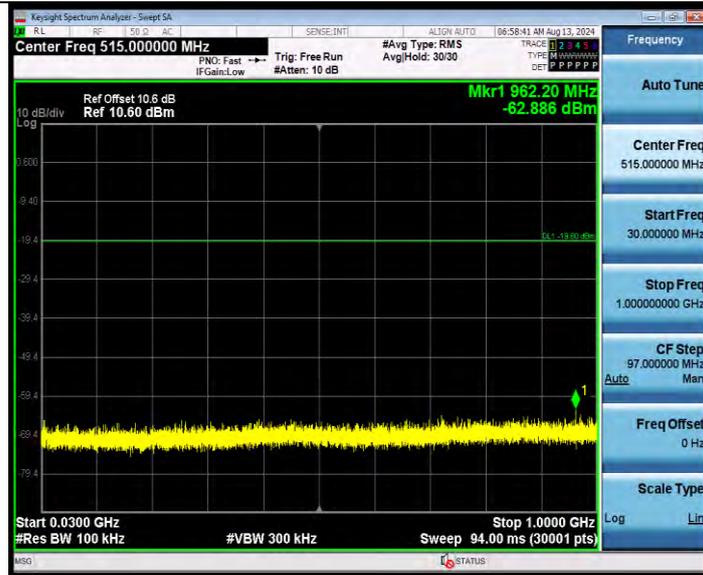
Room B37, Warehouse A5, No.3 Chiwan 4th Road,  
Zhaoshang Street, Nanshan District Shenzhen,  
Guangdong, People's Republic of China

Tel: +86 755 8869 6566  
Fax: +86 755 8869 6577  
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)



**BUREAU  
VERITAS**

**Test Report No.: PSU-NQN2407300316RF02**



BLE\_500K\_Ant1\_2402\_1000~26500



BLE\_500K\_Ant1\_2440\_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

Tel: +86 755 8869 6566  
Fax: +86 755 8869 6577  
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)

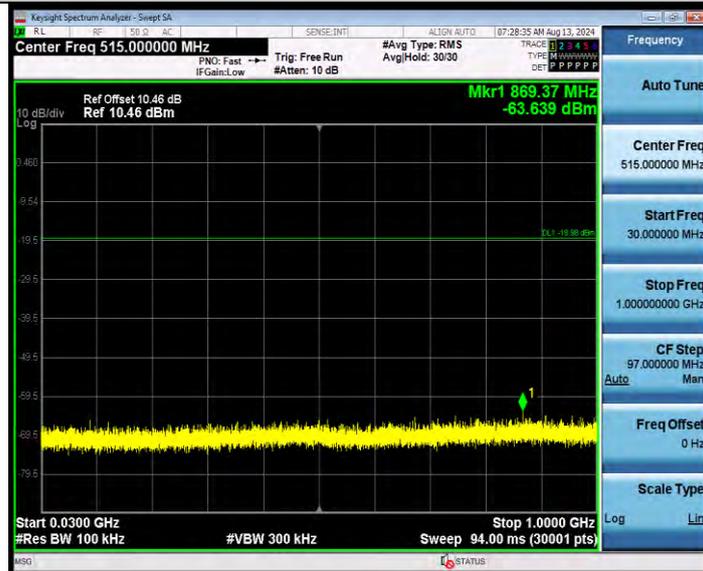


**BUREAU  
VERITAS**

**Test Report No.: PSU-NQN2407300316RF02**



BLE\_500K\_Ant1\_2440\_30~1000



BLE\_500K\_Ant1\_2440\_1000~26500



**BUREAU  
VERITAS**

**Test Report No.: PSU-NQN2407300316RF02**



BLE\_500K\_Ant1\_2480\_0~Reference



BLE\_500K\_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

Tel: +86 755 8869 6566  
Fax: +86 755 8869 6577  
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)



**BUREAU VERITAS** Test Report No.: PSU-NQN2407300316RF02



BLE\_500K\_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

Tel: +86 755 8869 6566  
Fax: +86 755 8869 6577  
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)



**BUREAU  
VERITAS**

Test Report No.: PSU-NQN2407300316RF02

## DUTY CYCLE TEST RESULT

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.13	2.52	84.52	0.73
		2440	2.13	2.52	84.52	0.73
		2480	2.13	2.52	84.52	0.73
BLE_2M	Ant1	2404	1.05	1.86	56.45	2.48
		2440	1.08	1.89	57.14	2.43
		2478	1.08	1.89	57.14	2.43
BLE_125K	Ant1	2402	17.05	17.50	97.43	0.11
		2440	17.05	17.50	97.43	0.11
		2480	17.05	17.50	97.43	0.11
BLE_500K	Ant1	2402	4.53	4.98	90.96	0.41
		2440	4.53	4.98	90.96	0.41
		2480	4.53	4.98	90.96	0.41

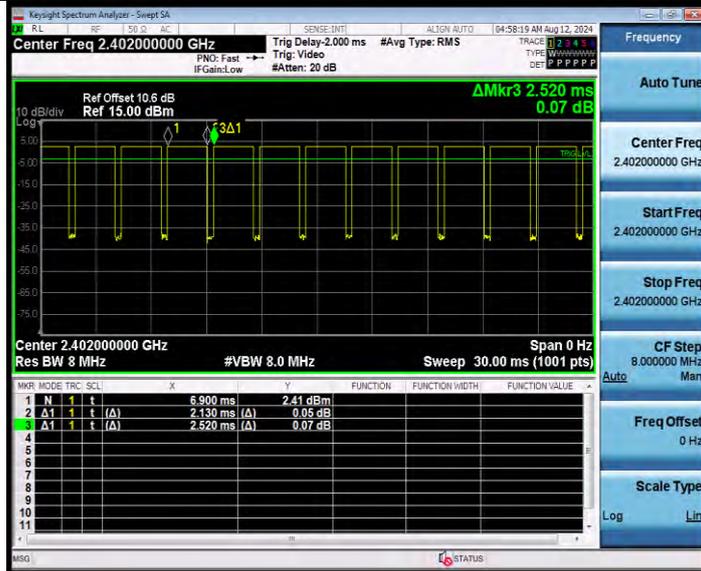


BUREAU VERITAS

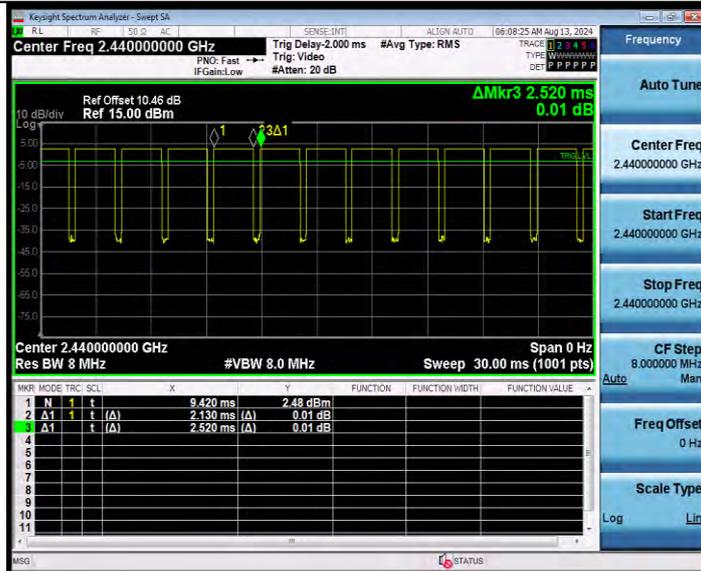
Test Report No.: PSU-NQN2407300316RF02

### TEST GRAPHS

BLE\_1M\_Ant1\_2402



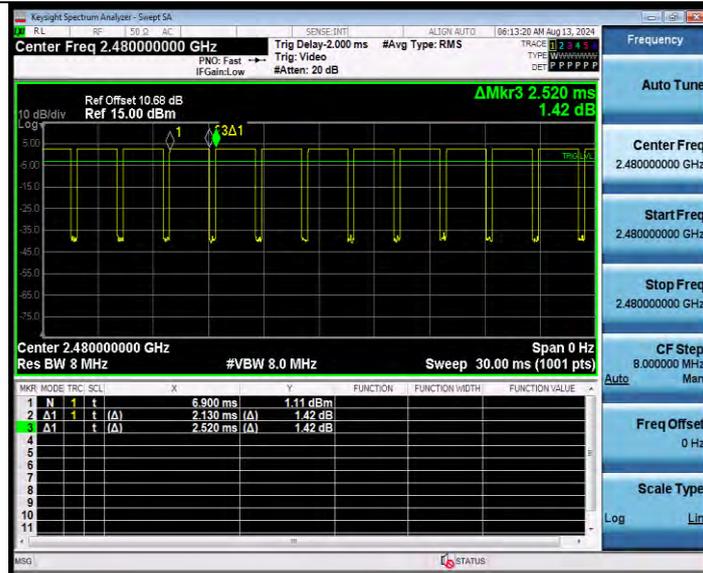
BLE\_1M\_Ant1\_2440



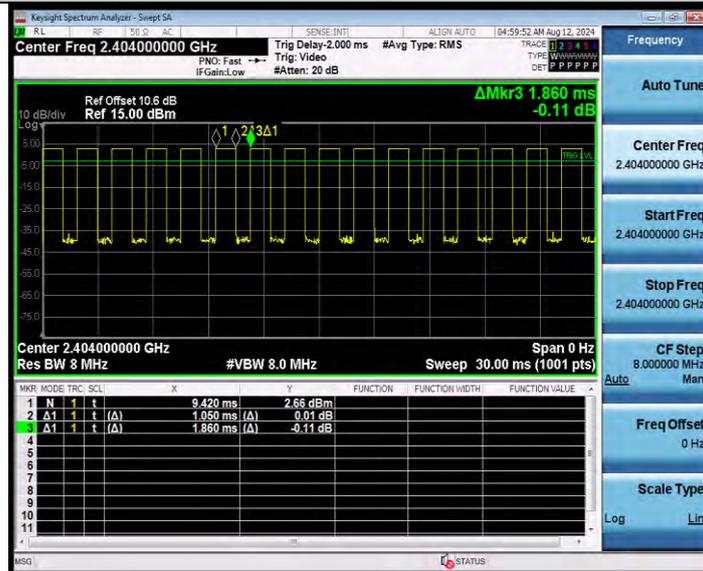
BLE\_1M\_Ant1\_2480



**BUREAU VERITAS** Test Report No.: PSU-NQN2407300316RF02



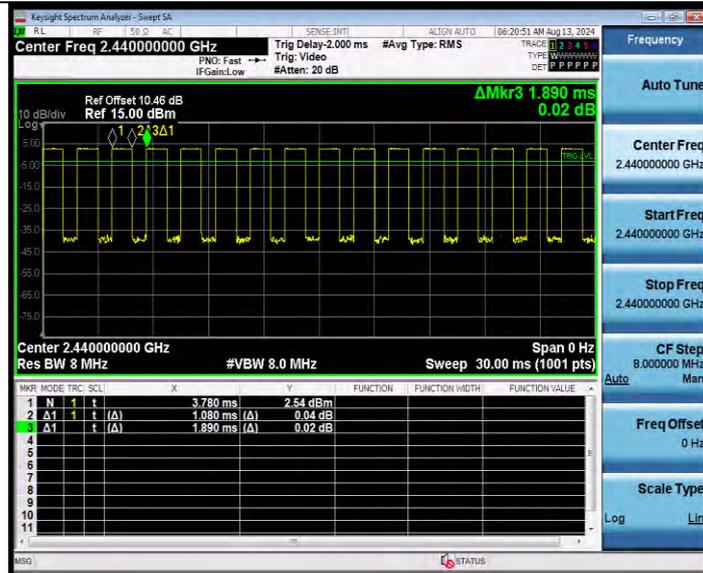
BLE\_2M\_Ant1\_2404



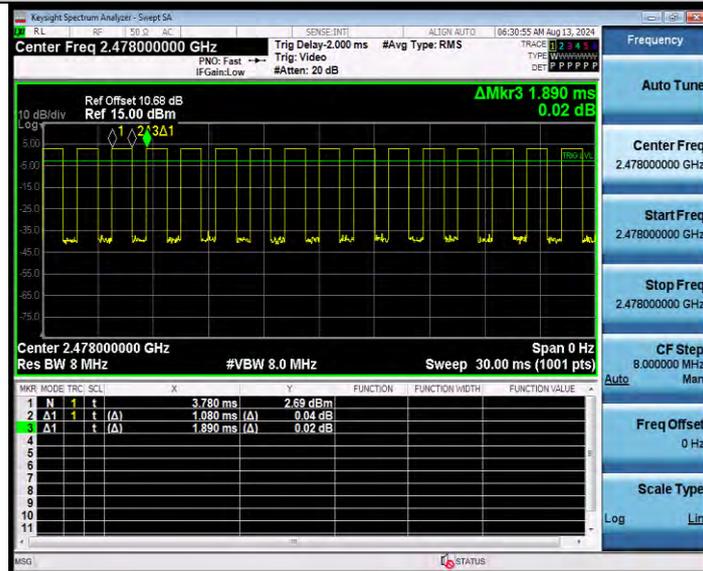
BLE\_2M\_Ant1\_2440



**BUREAU VERITAS** Test Report No.: PSU-NQN2407300316RF02



BLE\_2M\_Ant1\_2478

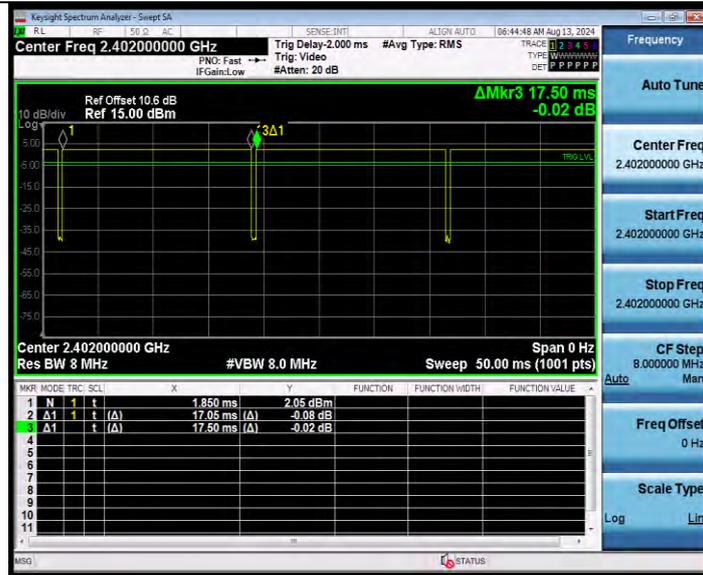


BLE\_125K\_Ant1\_2402

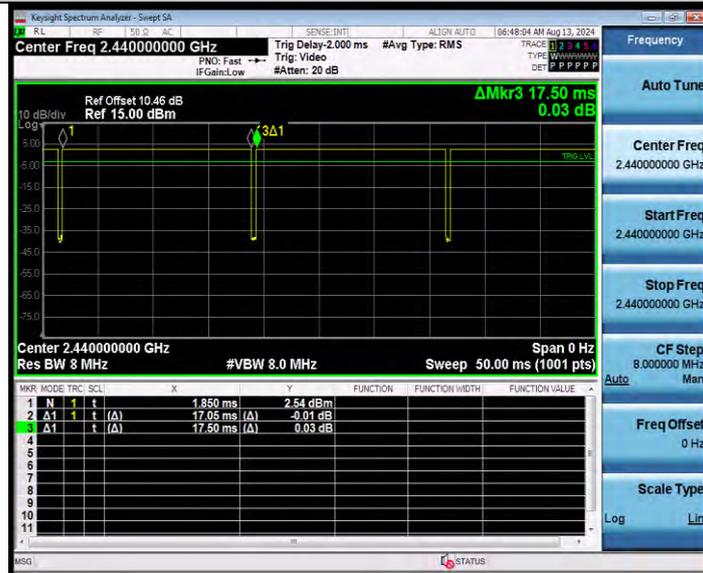


BUREAU VERITAS

Test Report No.: PSU-NQN2407300316RF02



BLE\_125K\_Ant1\_2440



BLE\_125K\_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

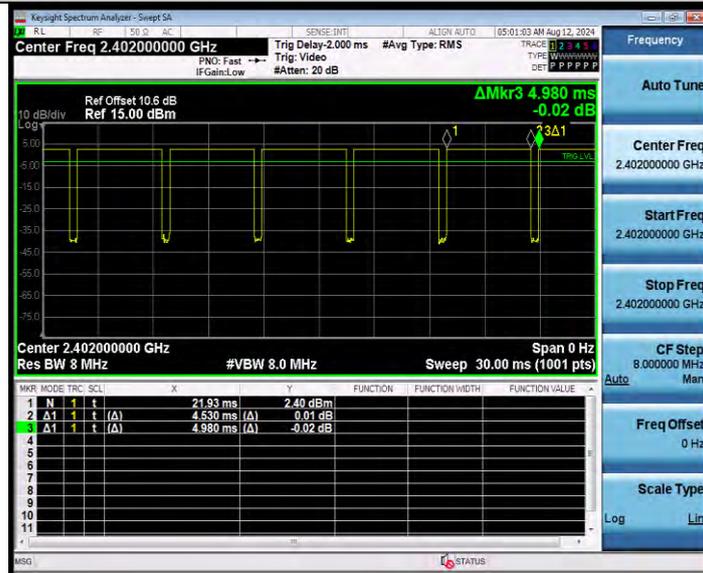
Tel: +86 755 8869 6566  
Fax: +86 755 8869 6577  
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)



**BUREAU VERITAS** Test Report No.: PSU-NQN2407300316RF02



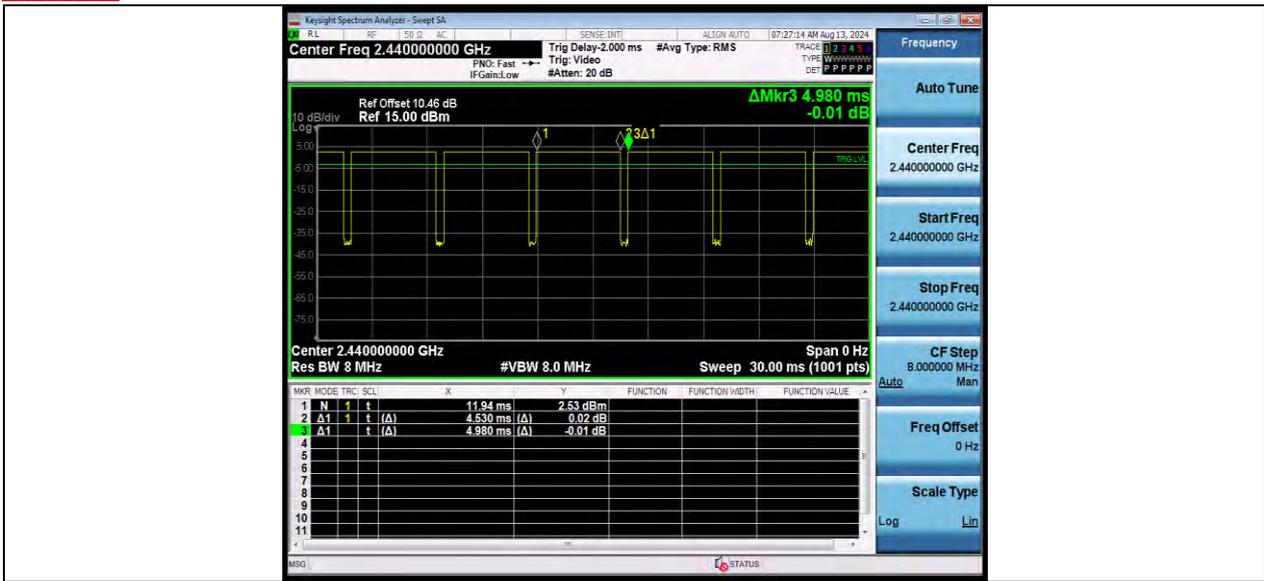
BLE\_500K\_Ant1\_2402



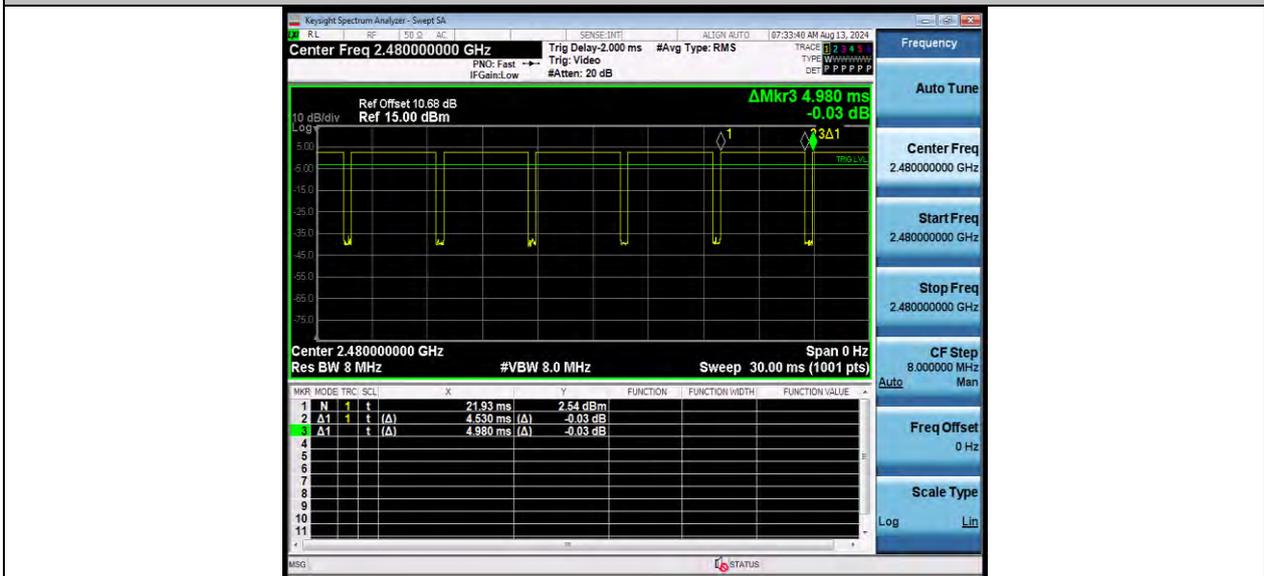
BLE\_500K\_Ant1\_2440



**BUREAU VERITAS** Test Report No.: PSU-NQN2407300316RF02



BLE\_500K\_Ant1\_2480



---END---