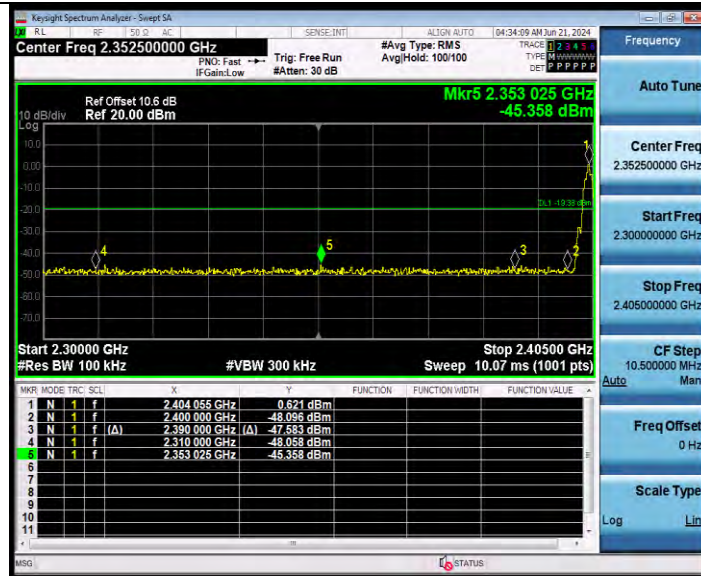


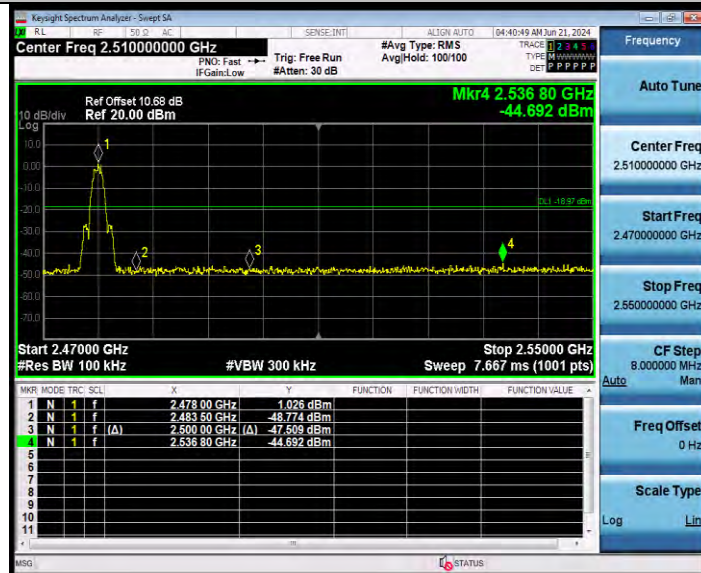


BUREAU VERITAS

Test Report No.: W7L-P24050014RF02



BLE_2M_Ant1_High_2478



BLE_125K_Ant1_Low_2402

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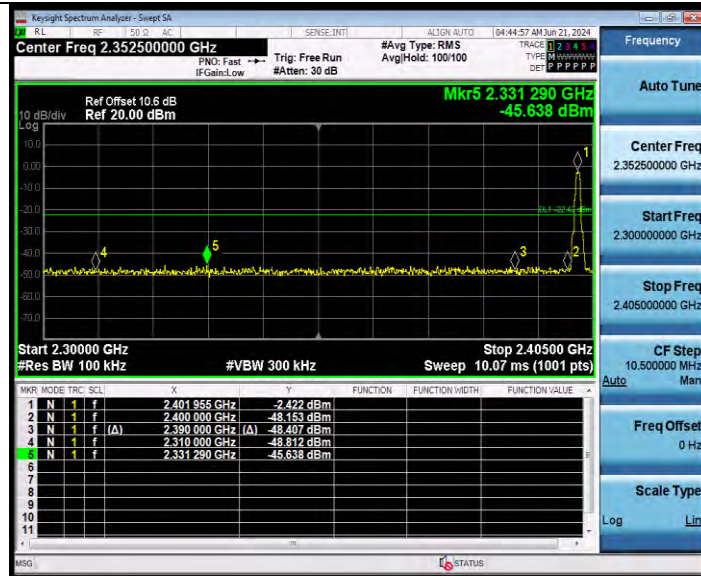
Room B37, Warehouse A5, No.3 Chiwan 4th Road, Zhaoshang Street, Nanshan District Shenzhen, Guangdong, People's Republic of China

Tel: +86 755 8869 6566
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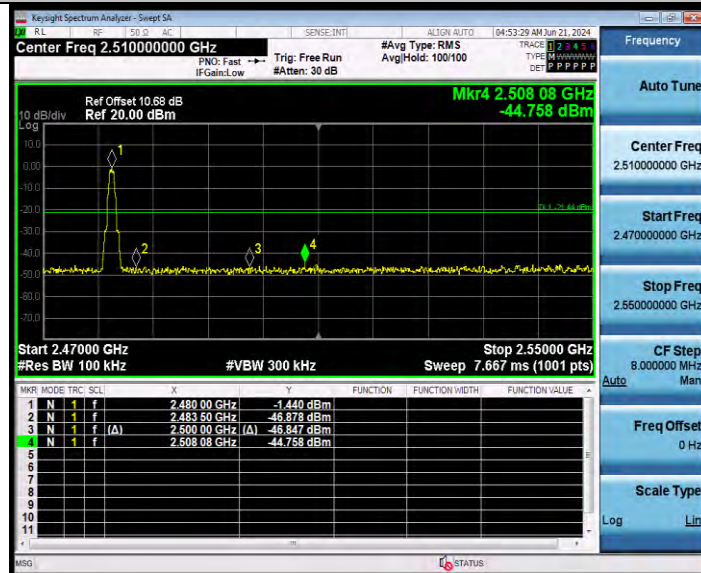


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VERITAS**

Test Report No.: W7L-P24050014RF02



BLE_125K_Ant1_High_2480



BLE_500K_Ant1_Low_2402

BV 7Layers Communications Technology
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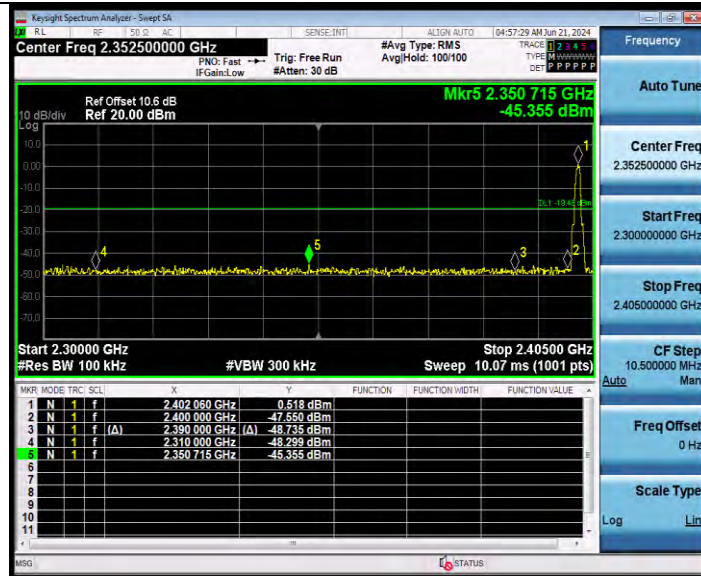
Room B37, Warehouse A5, No.3 Chiwan 4th Road,
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Tel: +86 755 8869 6566
Fax: +86 755 8869 6577
Email: customerservice.sw@bureauveritas.com

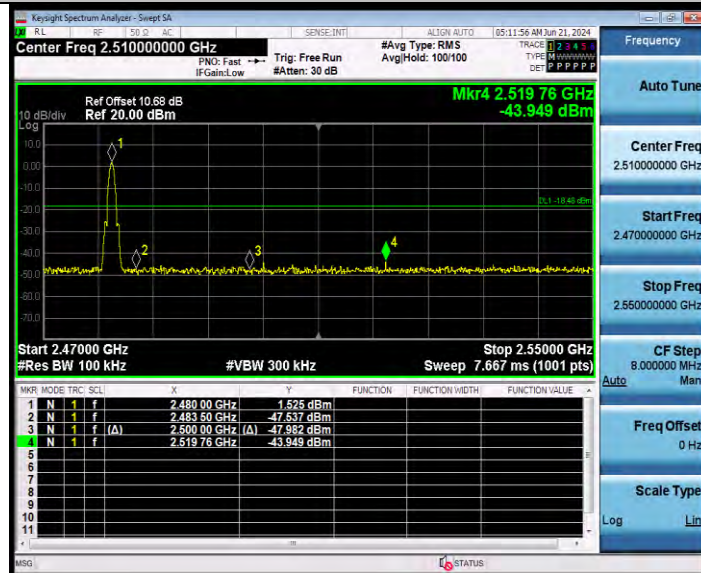


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Test Report No.: W7L-P24050014RF02



BLE_500K_Ant1_High_2480



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CONDUCTED SPURIOUS EMISSION

TEST RESULT

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-0.44	-0.44	---	PASS
			30~1000	-0.44	-64.17	≤-20.44	PASS
			1000~26500	-0.44	-44.78	≤-20.44	PASS
		2440	Reference	-0.93	-0.93	---	PASS
			30~1000	-0.93	-64.4	≤-20.93	PASS
			1000~26500	-0.93	-45.4	≤-20.93	PASS
		2480	Reference	0.34	0.34	---	PASS
			30~1000	0.34	-63.88	≤-19.66	PASS
			1000~26500	0.34	-44.79	≤-19.66	PASS
BLE_2M	Ant1	2404	Reference	-1.33	-1.33	---	PASS
			30~1000	-1.33	-63.39	≤-21.33	PASS
			1000~26500	-1.33	-45.84	≤-21.33	PASS
		2440	Reference	-2.71	-2.71	---	PASS
			30~1000	-2.71	-63.37	≤-22.71	PASS
			1000~26500	-2.71	-45.77	≤-22.71	PASS
		2478	Reference	0.63	0.63	---	PASS
			30~1000	0.63	-64.08	≤-19.37	PASS
			1000~26500	0.63	-44.81	≤-19.37	PASS
BLE_125K	Ant1	2402	Reference	-2.45	-2.45	---	PASS
			30~1000	-2.45	-64.3	≤-22.45	PASS
			1000~26500	-2.45	-45.51	≤-22.45	PASS
		2440	Reference	-2.81	-2.81	---	PASS
			30~1000	-2.81	-64.48	≤-22.81	PASS
			1000~26500	-2.81	-44.79	≤-22.81	PASS
		2480	Reference	-1.51	-1.51	---	PASS
			30~1000	-1.51	-64.28	≤-21.51	PASS
			1000~26500	-1.51	-45.9	≤-21.51	PASS
BLE_500K	Ant1	2402	Reference	-0.42	-0.42	---	PASS
			30~1000	-0.42	-64.88	≤-20.42	PASS



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Test Report No.: W7L-P24050014RF02

			1000~26500	-0.42	-45.55	≤ -20.42	PASS
		2440	Reference	-0.70	-0.70	---	PASS
			30~1000	-0.70	-37.07	≤ -20.7	PASS
			1000~26500	-0.70	-45.77	≤ -20.7	PASS
		2480	Reference	1.28	1.28	---	PASS
			30~1000	1.28	-63.72	≤ -18.72	PASS
			1000~26500	1.28	-45.31	≤ -18.72	PASS



BUREAU VERITAS

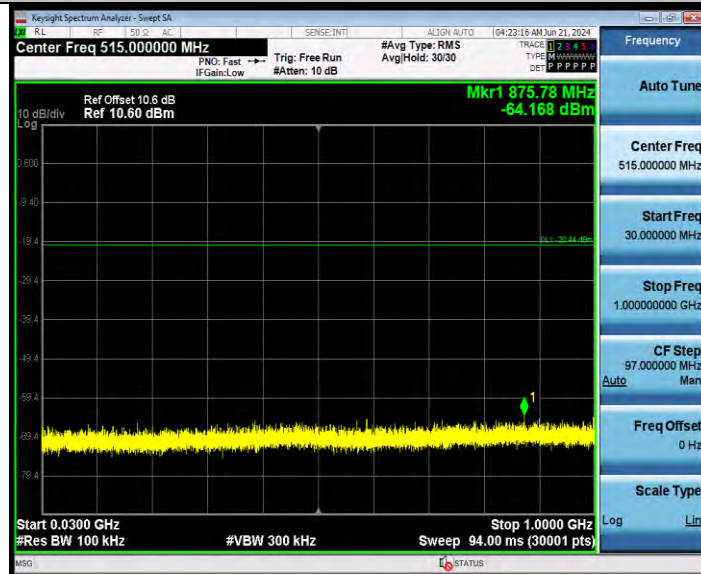
Test Report No.: W7L-P24050014RF02

TEST GRAPHS

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500



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Test Report No.: W7L-P24050014RF02



BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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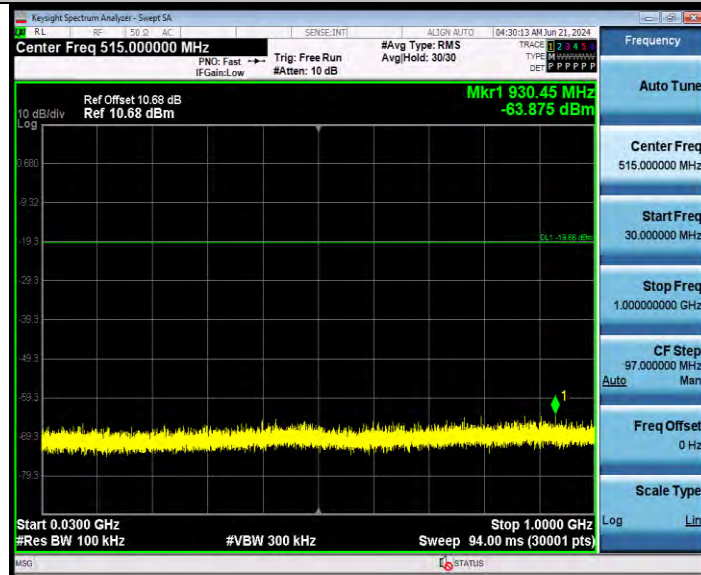


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Test Report No.: W7L-P24050014RF02



BLE_1M_Ant1_2480_30~1000

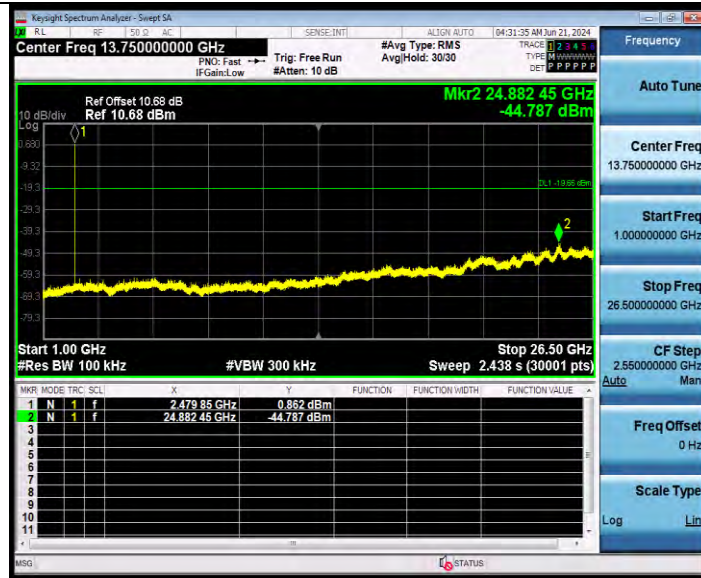


BLE_1M_Ant1_2480_1000~26500



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Test Report No.: W7L-P24050014RF02



BLE_2M_Ant1_2404_0~Reference



BLE_2M_Ant1_2404_30~1000

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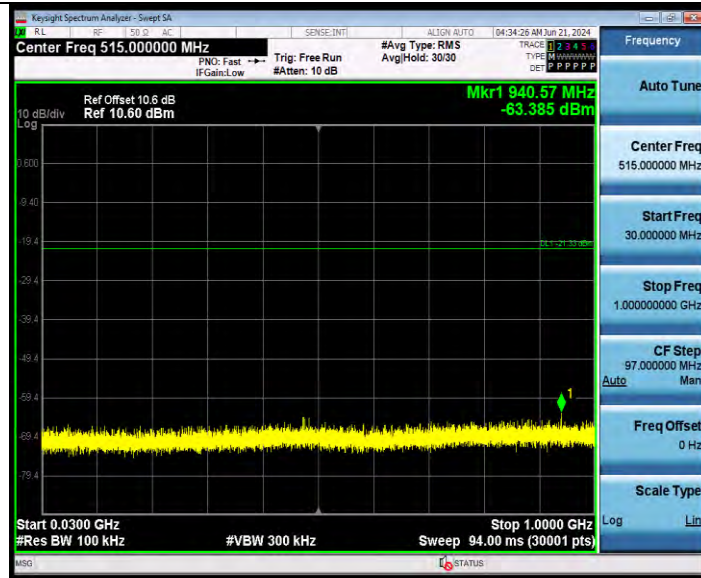
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BLE_2M_Ant1_2404_1000~26500



BLE_2M_Ant1_2440_0~Reference



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Test Report No.: W7L-P24050014RF02



BLE_2M_Ant1_2440_30~1000

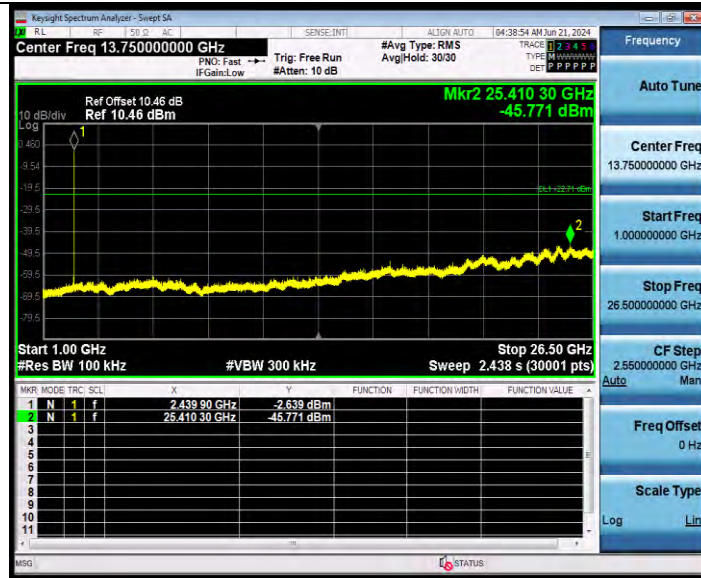


BLE_2M_Ant1_2440_1000~26500



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Test Report No.: W7L-P24050014RF02



BLE_2M_Ant1_2478_0~Reference



BLE_2M_Ant1_2478_30~1000

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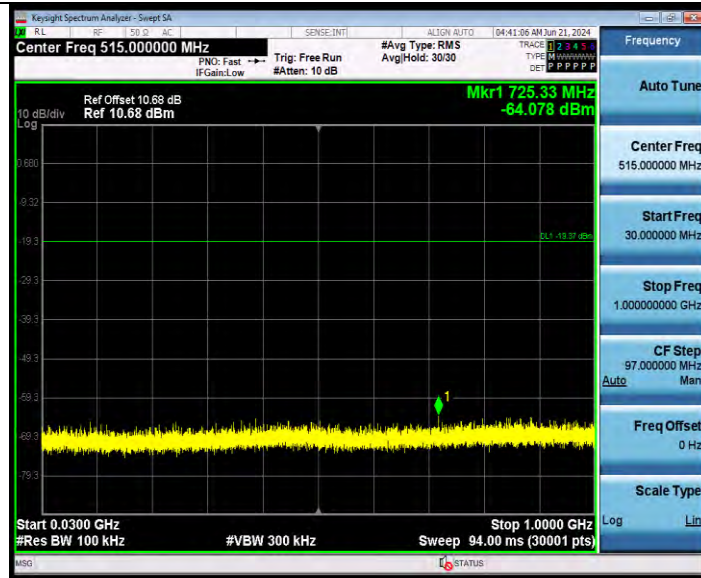
Room B37, Warehouse A5, No.3 Chiwan 4th Road,
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BLE_2M_Ant1_2478_1000~26500



BLE_125K_Ant1_2402_0~Reference



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Test Report No.: W7L-P24050014RF02



BLE_125K_Ant1_2402_30~1000



BLE_125K_Ant1_2402_1000~26500



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Test Report No.: W7L-P24050014RF02



BLE_125K_Ant1_2440_0~Reference



BLE_125K_Ant1_2440_30~1000

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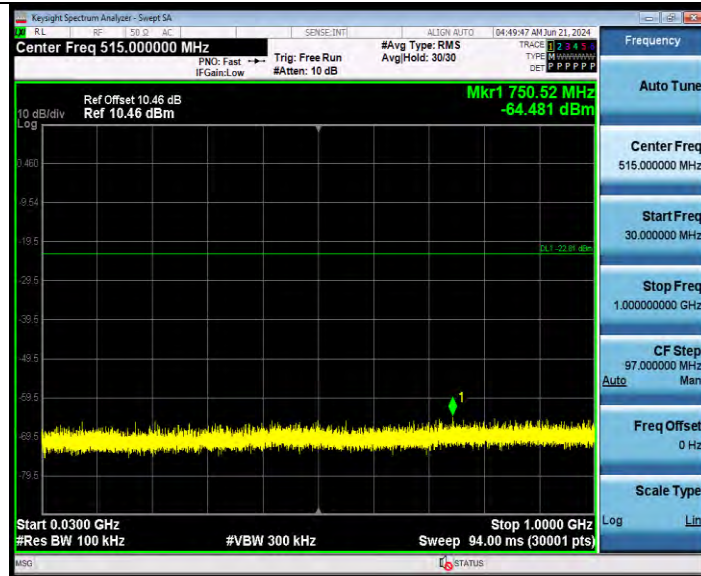
Room B37, Warehouse A5, No.3 Chiwan 4th Road,
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BLE_125K_Ant1_2440_1000~26500



BLE_125K_Ant1_2480_0~Reference



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Test Report No.: W7L-P24050014RF02



BLE_125K_Ant1_2480_30~1000



BLE_125K_Ant1_2480_1000~26500



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Test Report No.: W7L-P24050014RF02



BLE_500K_Ant1_2402_0~Reference



BLE_500K_Ant1_2402_30~1000

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Test Report No.: W7L-P24050014RF02



BLE_500K_Ant1_2402_1000~26500



BLE_500K_Ant1_2440_0~Reference

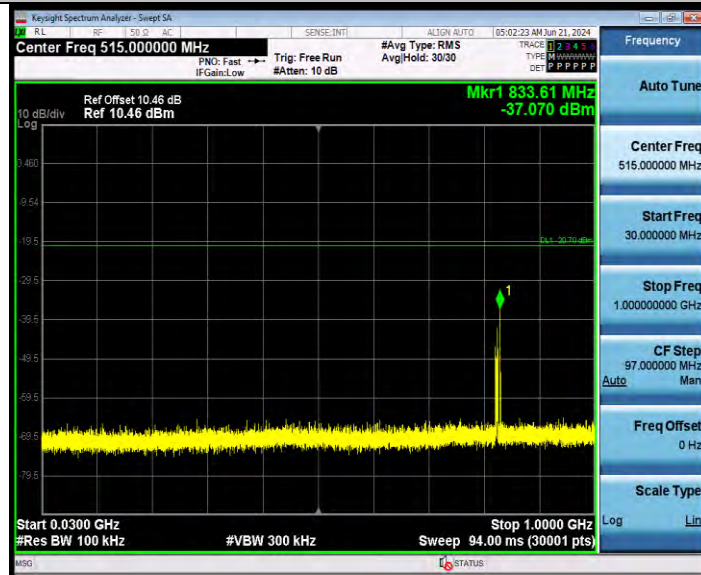


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Test Report No.: W7L-P24050014RF02



BLE_500K_Ant1_2440_30~1000



BLE_500K_Ant1_2440_1000~26500



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Test Report No.: W7L-P24050014RF02



BLE_500K_Ant1_2480_0~Reference

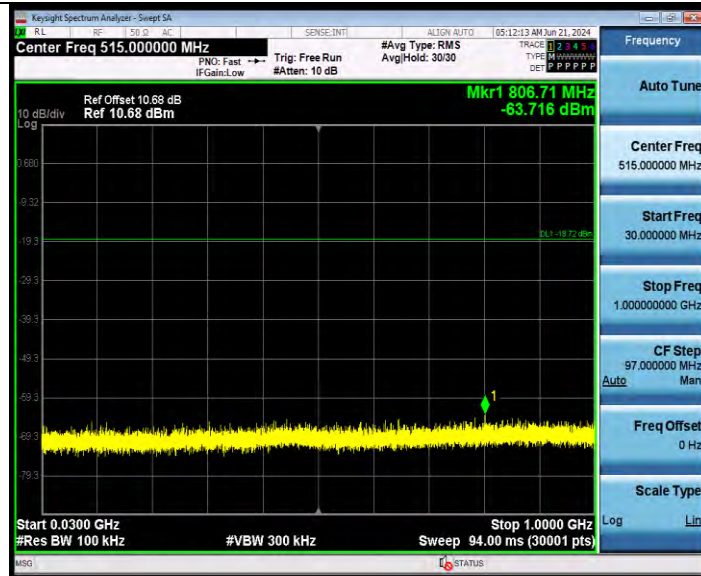


BLE_500K_Ant1_2480_30~1000



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Test Report No.: W7L-P24050014RF02



BLE_500K_Ant1_2480_1000~26500



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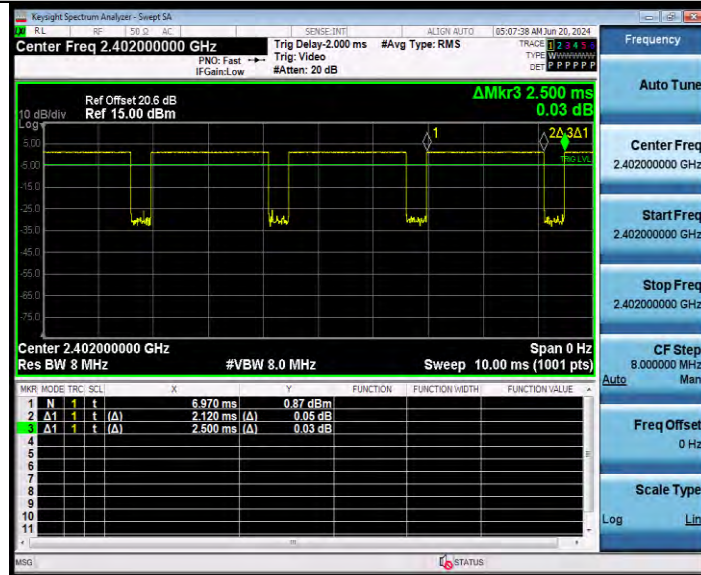
DUTY CYCLE TEST RESULT

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.12	2.50	84.80	0.72
		2440	2.13	2.50	85.20	0.70
		2480	2.13	2.50	85.20	0.70
BLE_2M	Ant1	2404	1.07	1.88	56.91	2.45
		2440	1.07	1.88	56.91	2.45
		2478	1.07	1.88	56.91	2.45
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	4.55	5.00	91.00	0.41
		2440	4.55	5.00	91.00	0.41
		2480	4.55	5.00	91.00	0.41

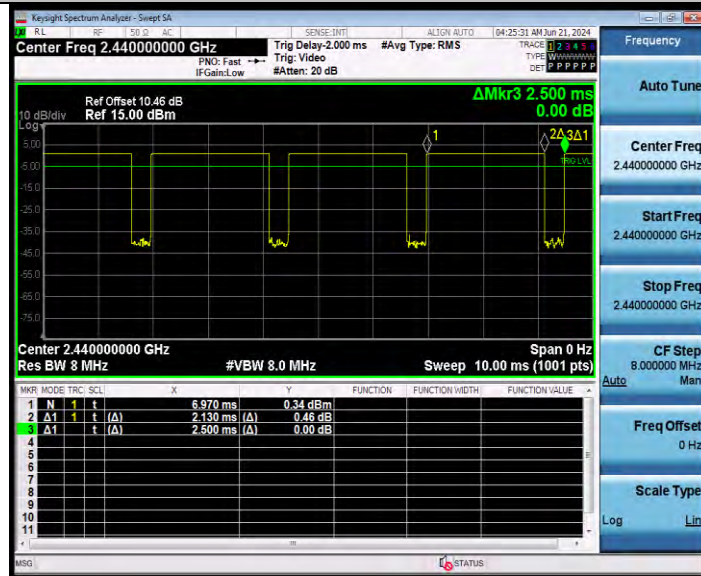


TEST GRAPHS

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440

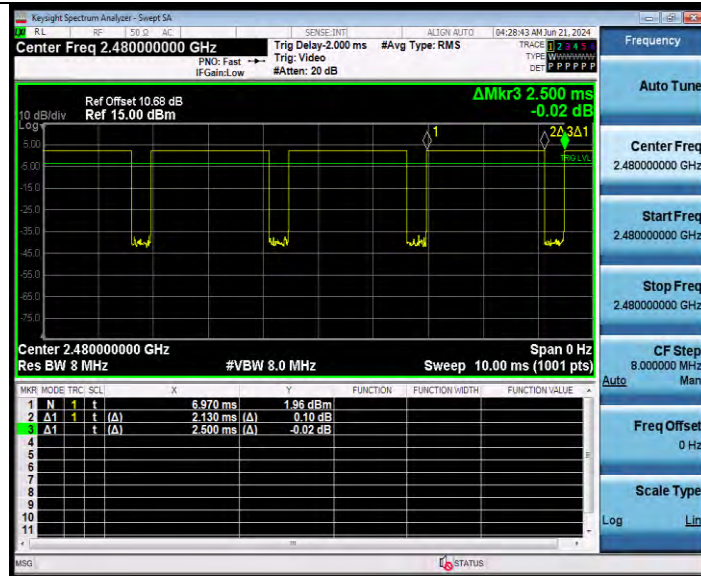


BLE_1M_Ant1_2480

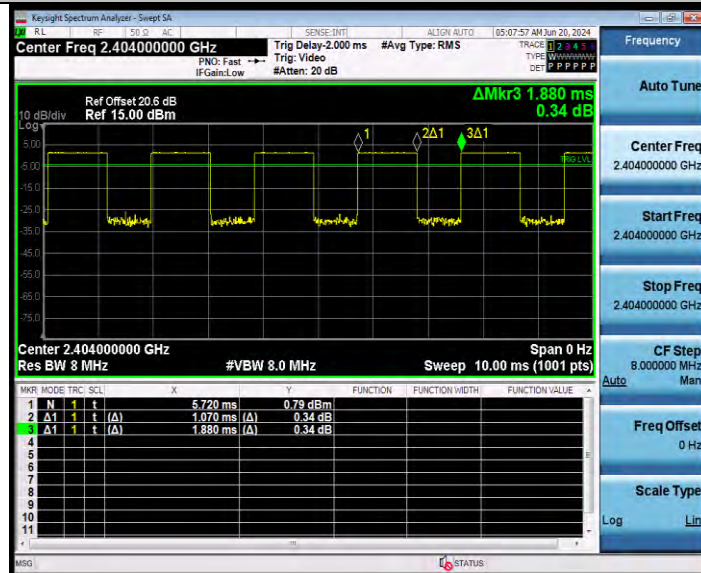


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BLE_2M_Ant1_2404



BLE_2M_Ant1_2440

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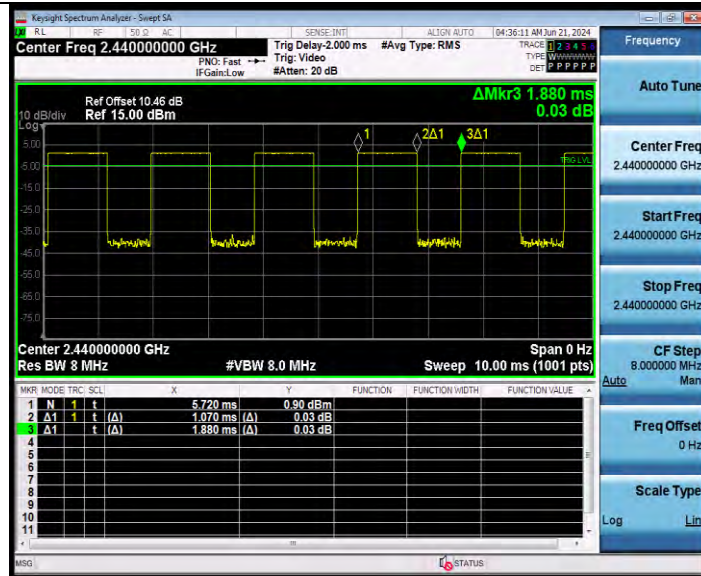
Room B37, Warehouse A5, No.3 Chiwan 4th Road, Zhaoshang Street, Nanshan District Shenzhen, Guangdong, People's Republic of China

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Email: customerservice.sw@bureauveritas.com

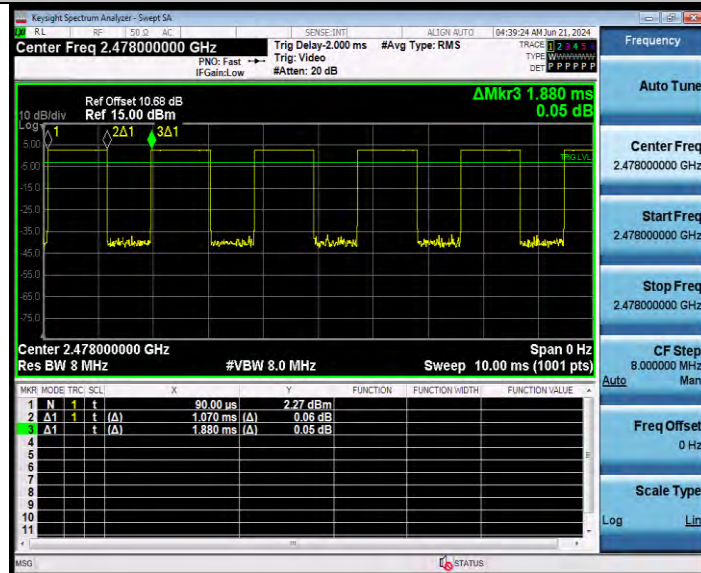


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Test Report No.: W7L-P24050014RF02



BLE_2M_Ant1_2478



BLE_125K_Ant1_2402

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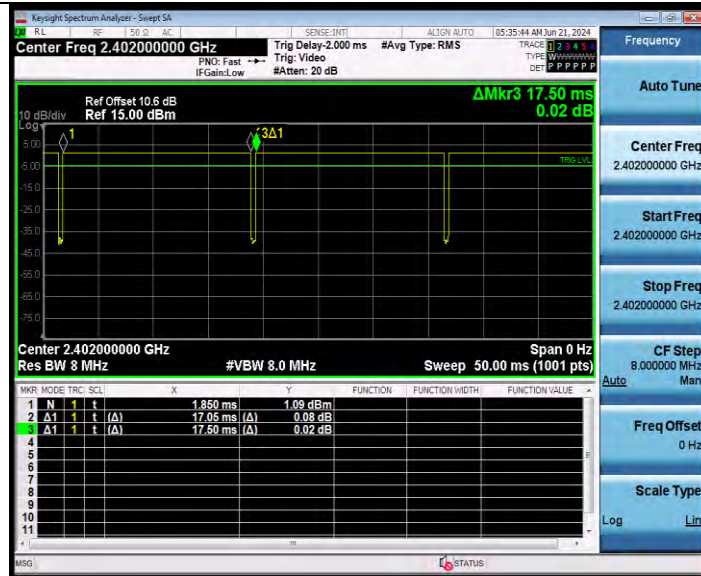
Room B37, Warehouse A5, No.3 Chiwan 4th Road, Zhaoshang Street, Nanshan District Shenzhen, Guangdong, People's Republic of China

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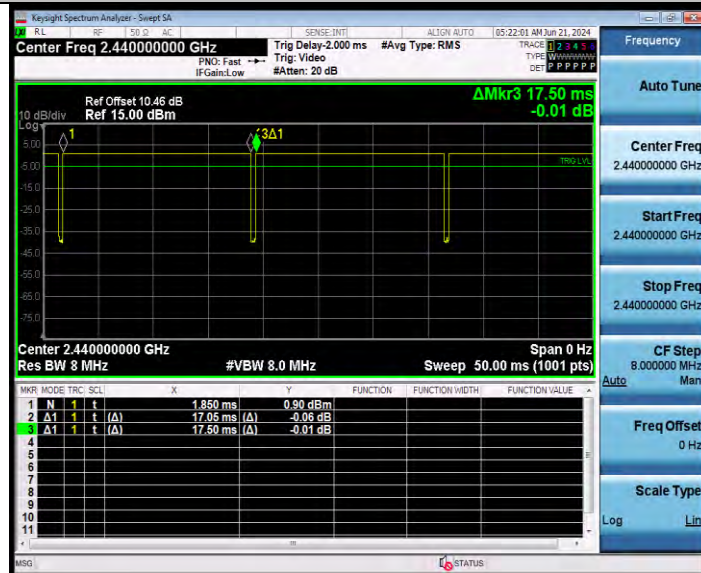


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Test Report No.: W7L-P24050014RF02



BLE_125K_Ant1_2440

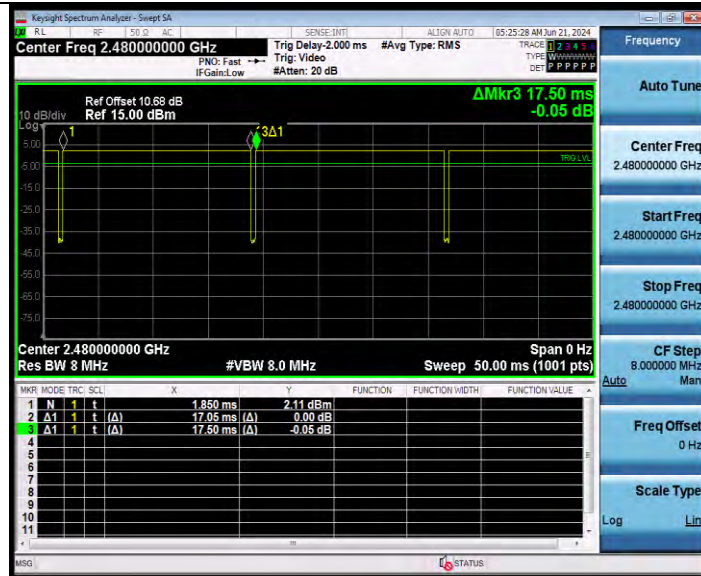


BLE_125K_Ant1_2480

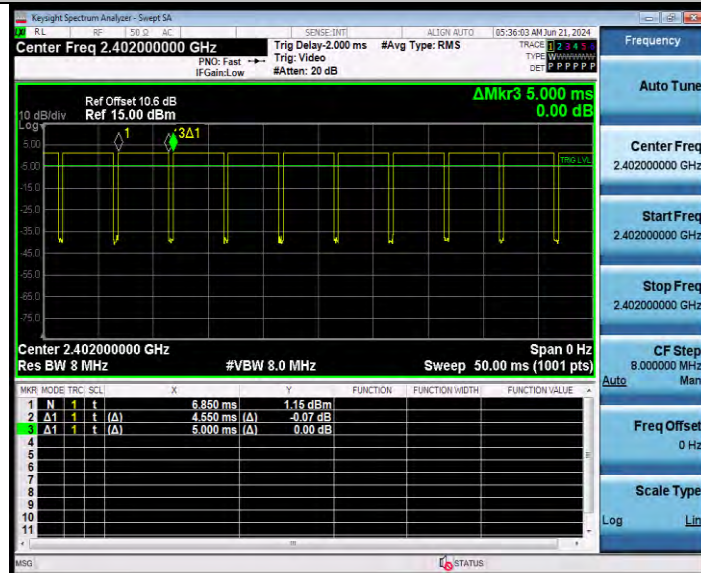


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Test Report No.: W7L-P24050014RF02



BLE_500K_Ant1_2402



BLE_500K_Ant1_2440

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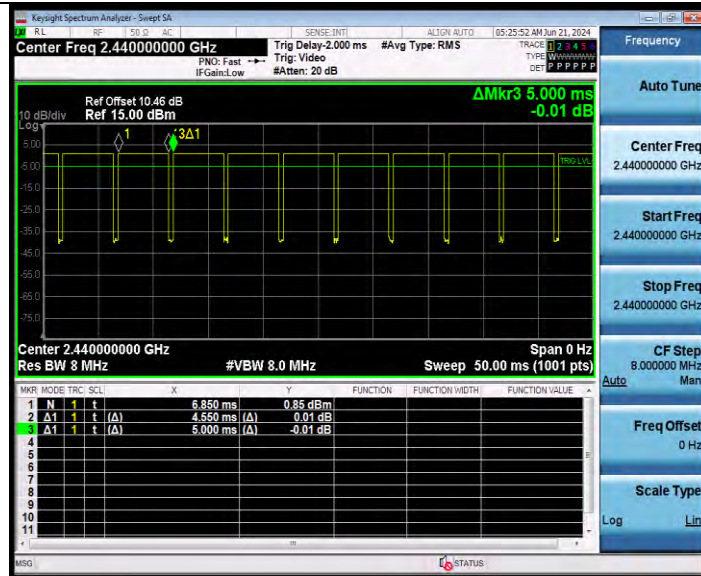
Room B37, Warehouse A5, No.3 Chiwan 4th Road, Zhaoshang Street, Nanshan District Shenzhen, Guangdong, People's Republic of China

Tel: +86 755 8869 6566
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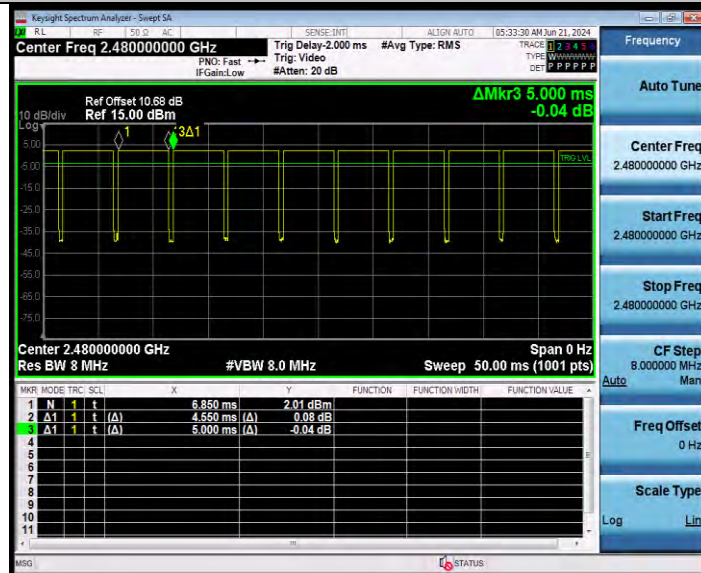


BUREAU VERITAS

Test Report No.: W7L-P24050014RF02



BLE_500K_Ant1_2480



---END---