



**DUTY CYCLE
TEST RESULT**

TestMode	Antenna	Frequency[MHz]	RuSize	RuIndex	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11AX20SISO	Ant1	2412	26Tone	RU0	100.00	100.00	100.00
			52Tone	RU37	100.00	100.00	100.00
			106Tone	RU53	100.00	100.00	100.00
			242Tone	RU61	100.00	100.00	100.00
	Ant2	2412	26Tone	RU0	100.00	100.00	100.00
			52Tone	RU37	100.00	100.00	100.00
			106Tone	RU53	100.00	100.00	100.00
			242Tone	RU61	100.00	100.00	100.00
	Ant1	2437	26Tone	RU4	100.00	100.00	100.00
			52Tone	RU38	100.00	100.00	100.00
			106Tone	RU53	100.00	100.00	100.00
			242Tone	RU61	100.00	100.00	100.00
	Ant2	2437	26Tone	RU4	100.00	100.00	100.00
			52Tone	RU38	100.00	100.00	100.00
			106Tone	RU53	100.00	100.00	100.00
			242Tone	RU61	100.00	100.00	100.00
Ant1	2462	26Tone	RU8	100.00	100.00	100.00	
		52Tone	RU40	100.00	100.00	100.00	
		106Tone	RU54	100.00	100.00	100.00	
		242Tone	RU61	100.00	100.00	100.00	
Ant2	2462	26Tone	RU8	100.00	100.00	100.00	
		52Tone	RU40	100.00	100.00	100.00	
		106Tone	RU54	100.00	100.00	100.00	
		242Tone	RU61	100.00	100.00	100.00	
11AX40SISO	Ant1	2422	484Tone	RU65	100.00	100.00	100.00
	Ant2	2422	484Tone	RU65	100.00	100.00	100.00
	Ant1	2437	484Tone	RU65	100.00	100.00	100.00
	Ant2	2437	484Tone	RU65	100.00	100.00	100.00
	Ant1	2452	484Tone	RU65	100.00	100.00	100.00
	Ant2	2452	484Tone	RU65	100.00	100.00	100.00
11AX20MIMO	Ant1	2412	26Tone	RU0	100.00	100.00	100.00
			52Tone	RU37	100.00	100.00	100.00
			106Tone	RU53	100.00	100.00	100.00
			242Tone	RU61	100.00	100.00	100.00
	Ant2	2412	26Tone	RU0	100.00	100.00	100.00
			52Tone	RU37	100.00	100.00	100.00
			106Tone	RU53	100.00	100.00	100.00
			242Tone	RU61	100.00	100.00	100.00
	Ant1	2437	26Tone	RU4	100.00	100.00	100.00
			52Tone	RU38	100.00	100.00	100.00
			106Tone	RU53	100.00	100.00	100.00
			242Tone	RU61	100.00	100.00	100.00
	Ant2	2437	26Tone	RU4	100.00	100.00	100.00
			52Tone	RU38	100.00	100.00	100.00
			106Tone	RU53	100.00	100.00	100.00
			242Tone	RU61	100.00	100.00	100.00
Ant1	2462	26Tone	RU8	100.00	100.00	100.00	
		52Tone	RU40	100.00	100.00	100.00	
		106Tone	RU54	100.00	100.00	100.00	
		242Tone	RU61	100.00	100.00	100.00	
Ant2	2462	26Tone	RU8	100.00	100.00	100.00	
		52Tone	RU40	100.00	100.00	100.00	



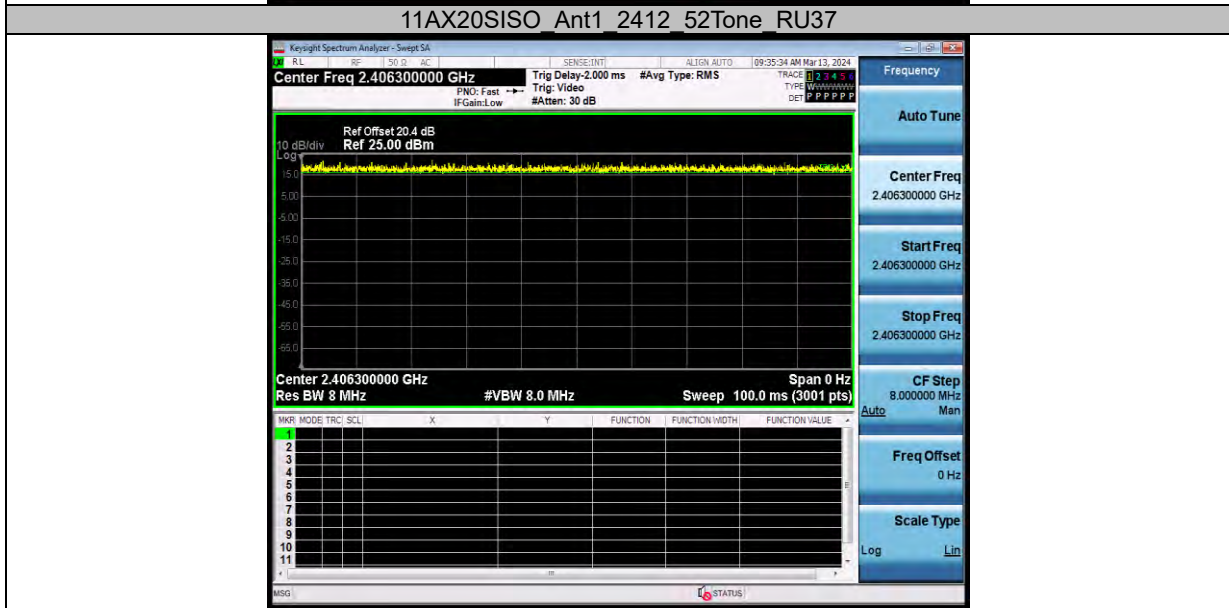
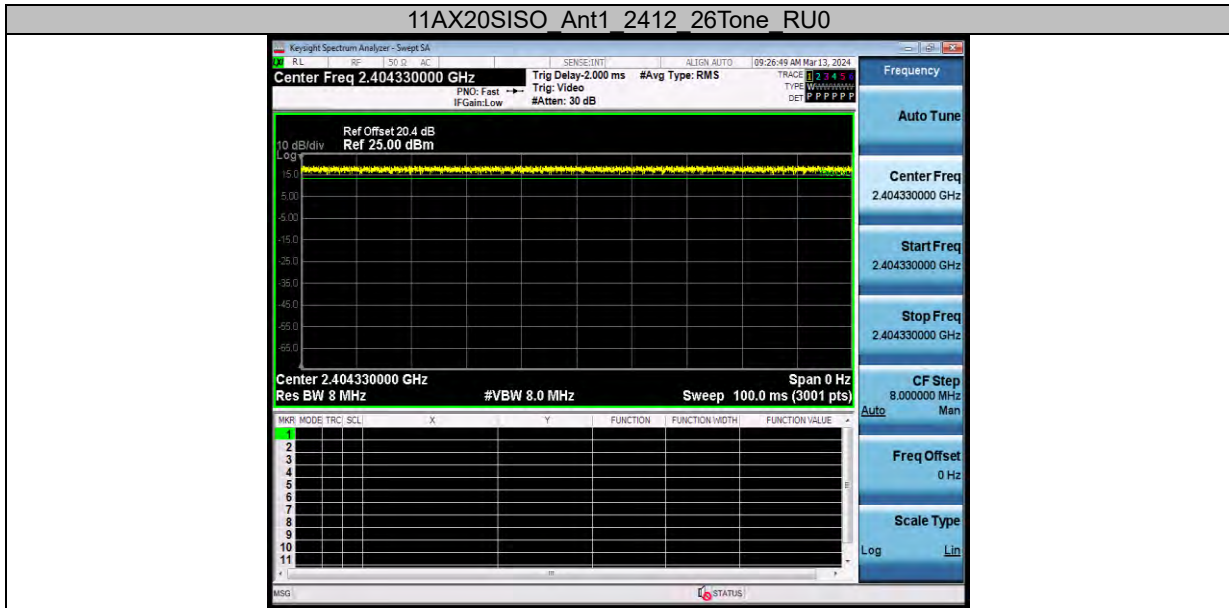
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			242Tone	RU61	100.00	100.00	100.00
11AX40MIMO	Ant1	2422	484Tone	RU65	100.00	100.00	100.00
	Ant2	2422	484Tone	RU65	100.00	100.00	100.00
	Ant1	2437	484Tone	RU65	100.00	100.00	100.00
	Ant2	2437	484Tone	RU65	100.00	100.00	100.00
	Ant1	2452	484Tone	RU65	100.00	100.00	100.00
	Ant2	2452	484Tone	RU65	100.00	100.00	100.00



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TEST GRAPHS

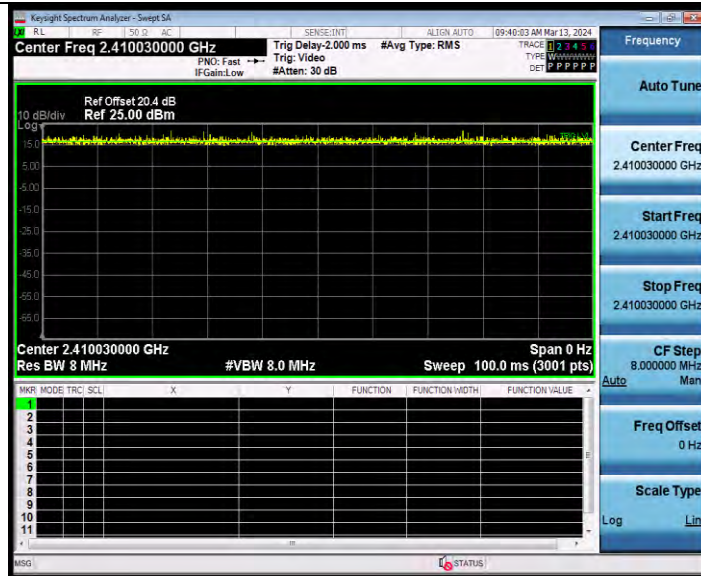


11AX20SISO Ant1 2412 106Tone RU53

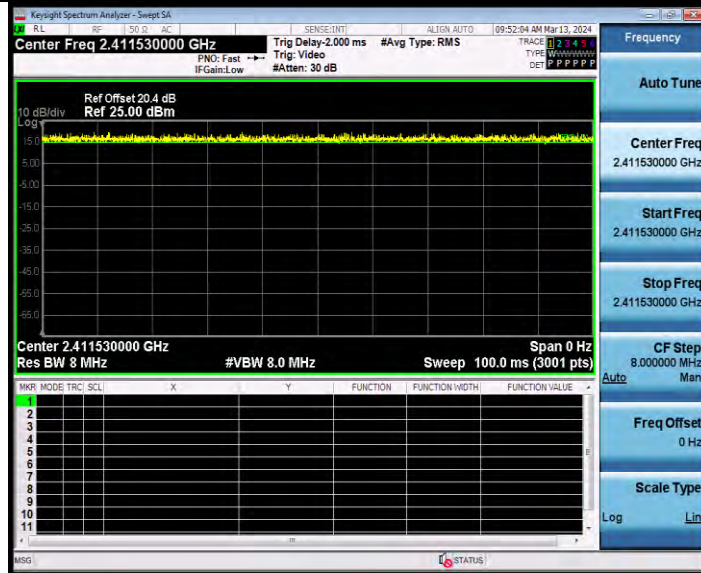


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Test Report No.: W7L-231127W001RF02



11AX20SISO Ant1 2412 242Tone RU61



11AX20SISO Ant2 2412 26Tone RU0

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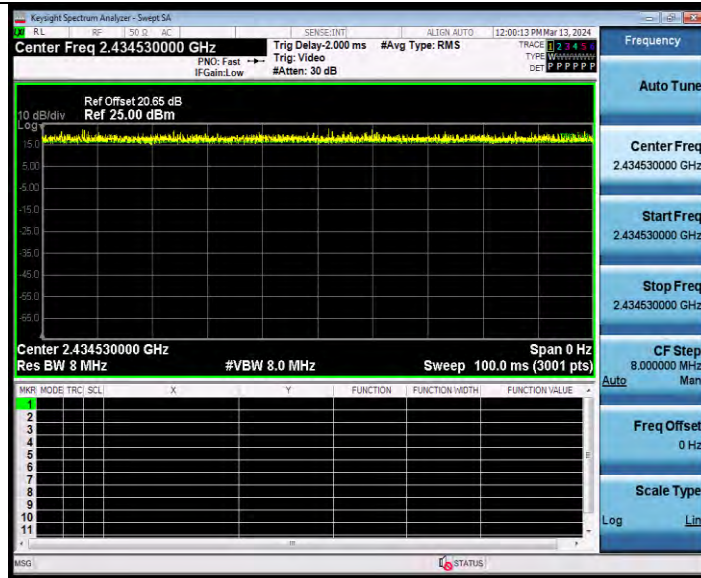
Room B37, Warehouse A5, No.3 Chiwan 4th Road, Zhaoshang Street, Nanshan District Shenzhen, Guangdong, People's Republic of China

Tel: +86 755 8869 6566
Fax: +86 755 8869 6577
Email: customerservice.sw@bureauveritas.com

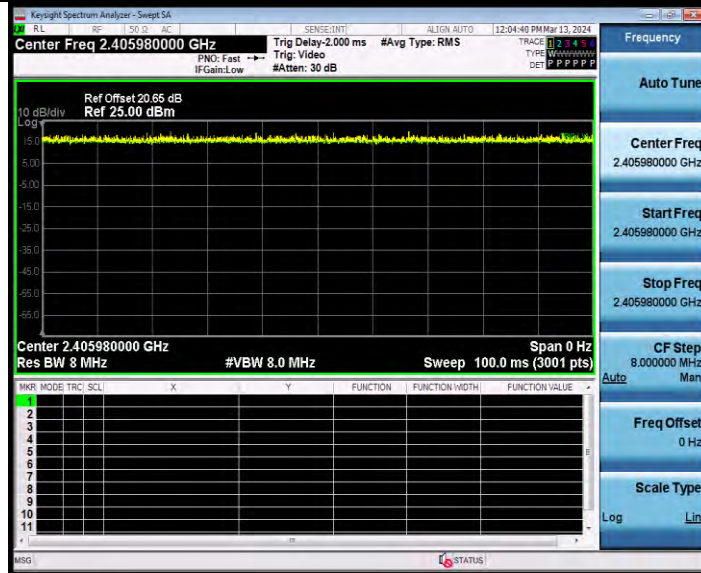


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Test Report No.: W7L-231127W001RF02



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11AX20SISO Ant2 2412 106Tone RU53

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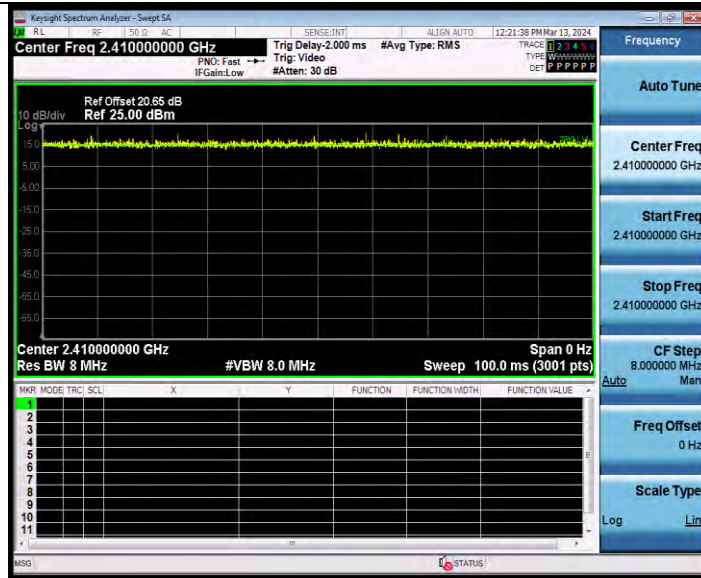
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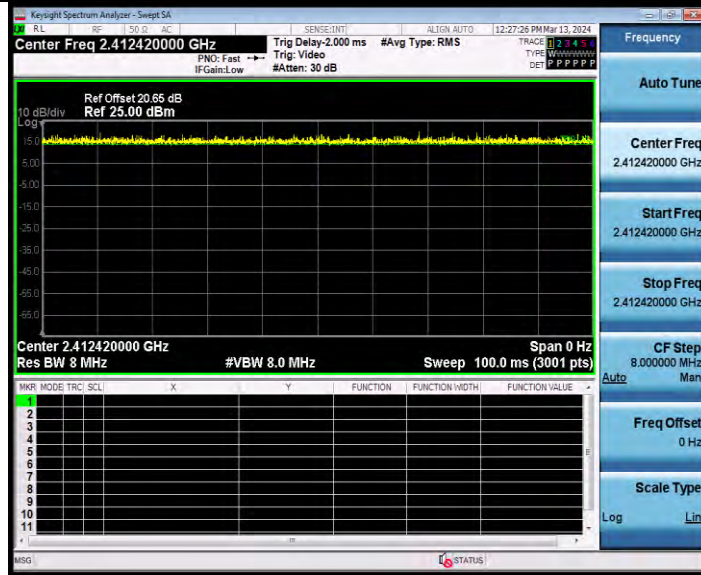


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Test Report No.: W7L-231127W001RF02



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11AX20SISO Ant1 2437 26Tone RU4

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

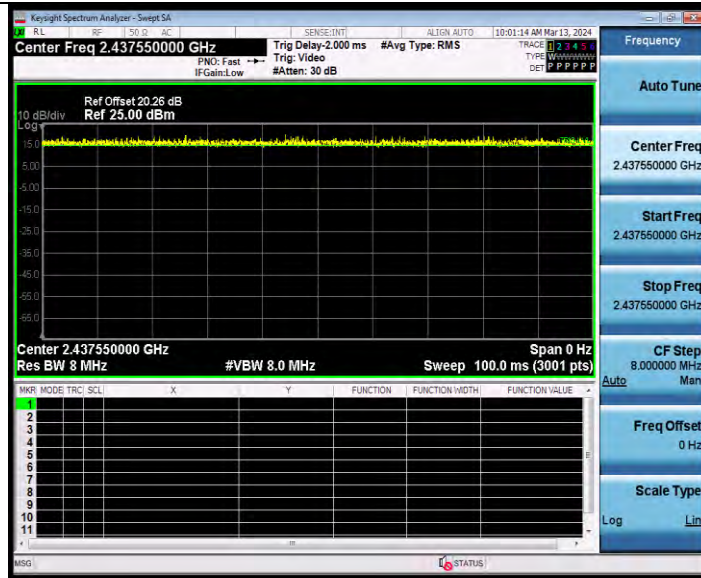
Room B37, Warehouse A5, No.3 Chiwan 4th Road, Zhaoshang Street, Nanshan District Shenzhen, Guangdong, People's Republic of China

Tel: +86 755 8869 6566
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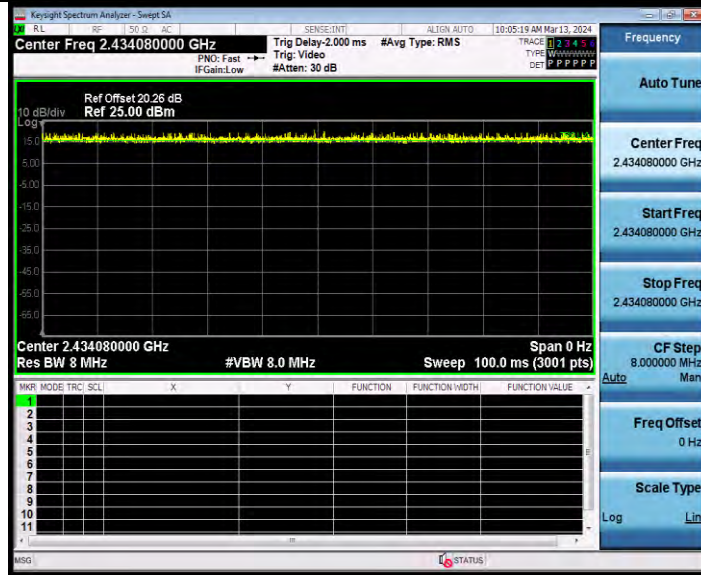


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Test Report No.: W7L-231127W001RF02



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11AX20SISO Ant1 2437 106Tone RU53

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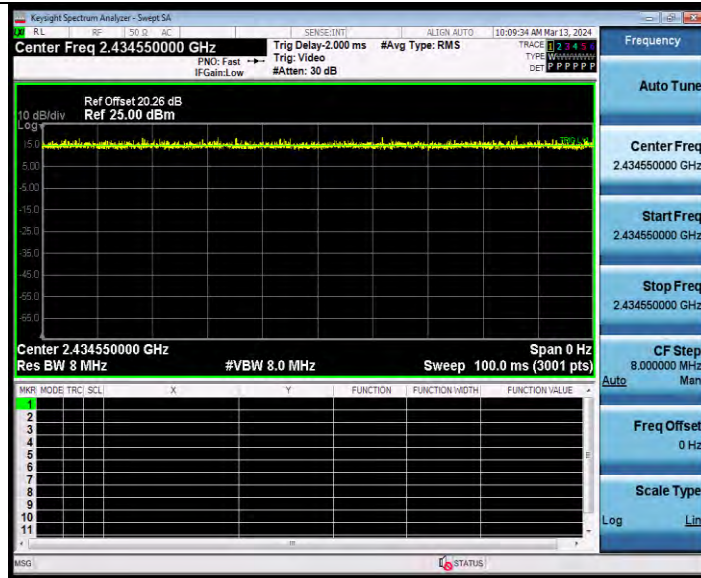
Room B37, Warehouse A5, No.3 Chiwan 4th Road,
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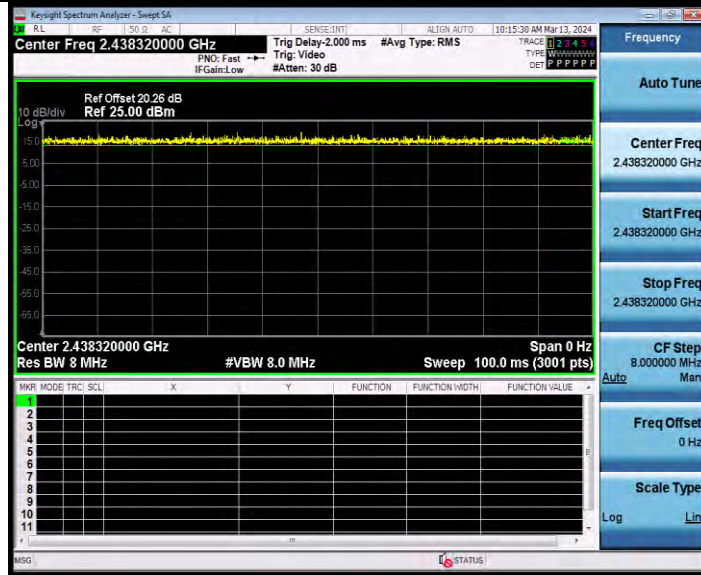


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Test Report No.: W7L-231127W001RF02



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

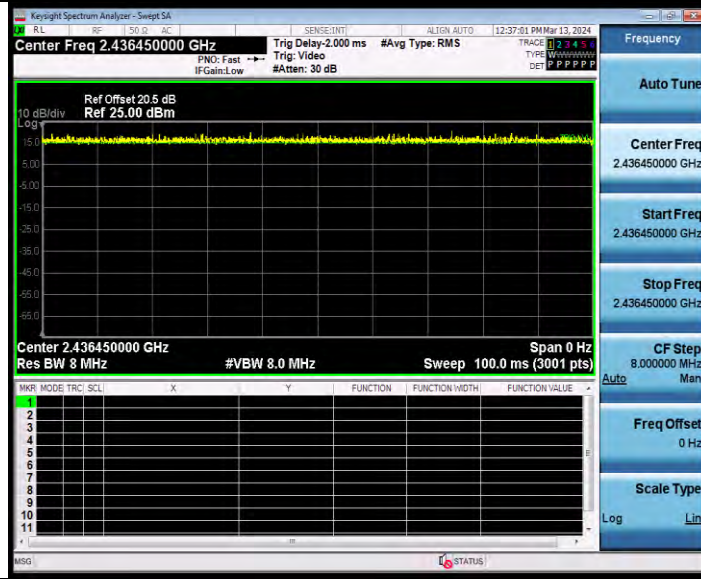
Room B37, Warehouse A5, No.3 Chiwan 4th Road, Zhaoshang Street, Nanshan District Shenzhen, Guangdong, People's Republic of China

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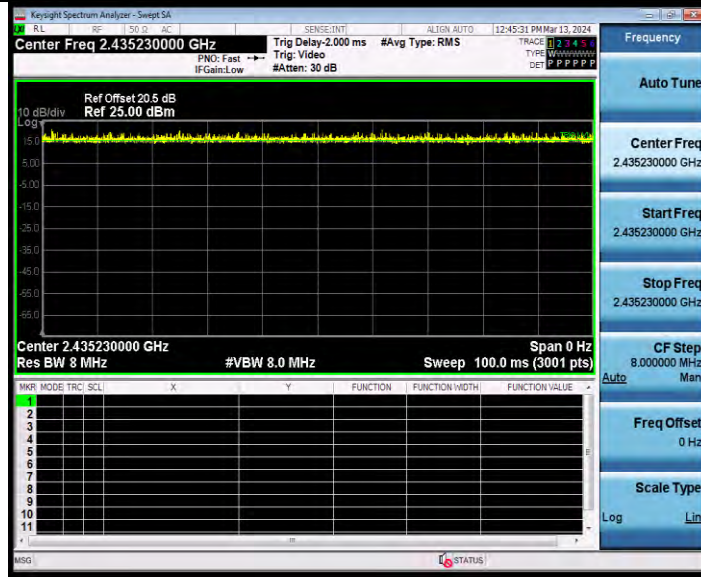


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Test Report No.: W7L-231127W001RF02



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11AX20SISO Ant2 2437 106Tone RU53

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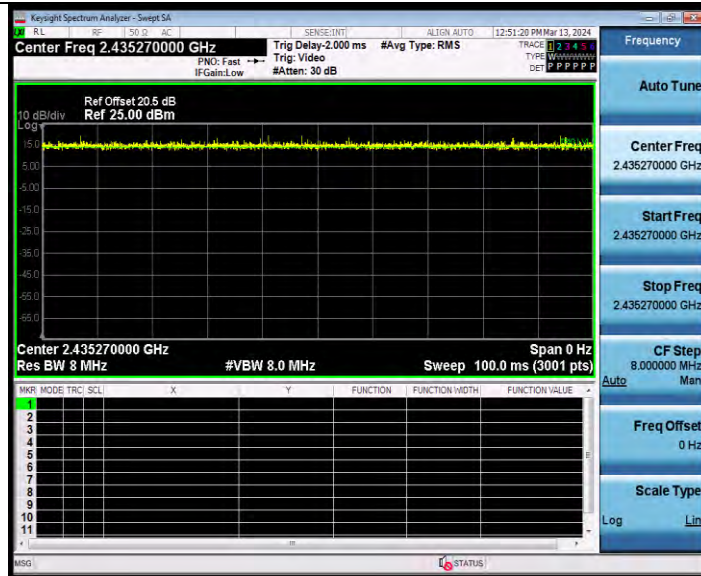
Room B37, Warehouse A5, No.3 Chiwan 4th Road,
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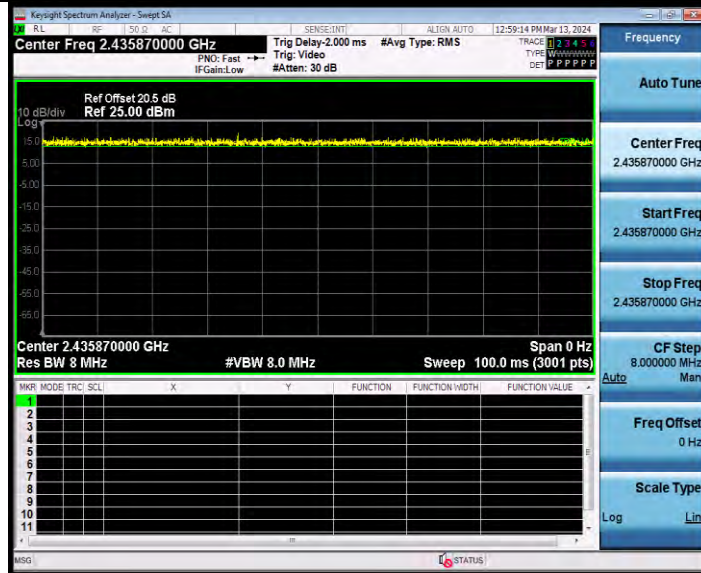


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Test Report No.: W7L-231127W001RF02



11AX20SISO Ant2 2437 242Tone RU61



11AX20SISO Ant1 2462 26Tone RU8

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

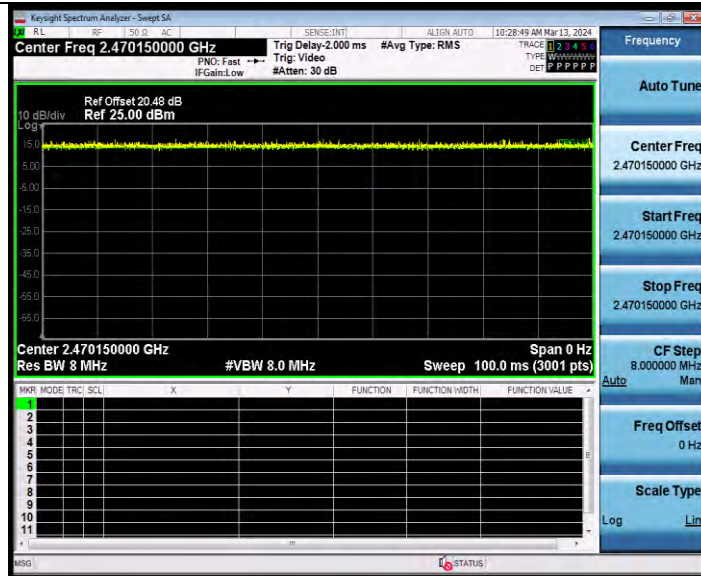
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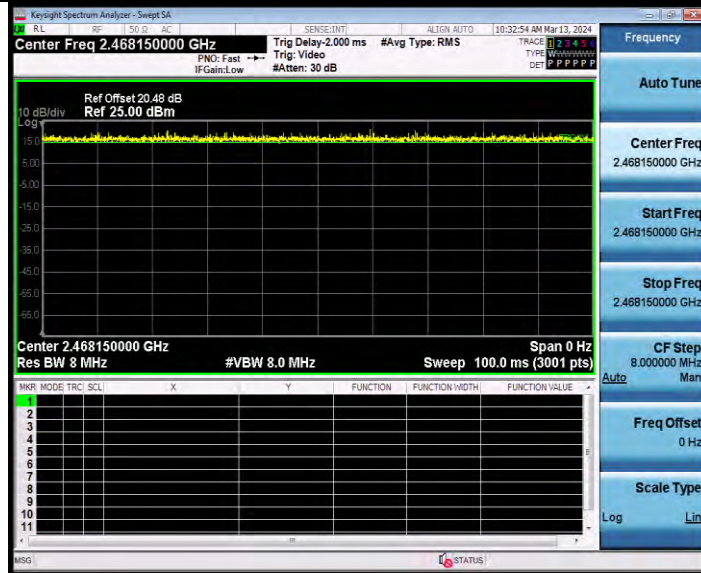


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Test Report No.: W7L-231127W001RF02



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11AX20SISO Ant1 2462 106Tone RU54

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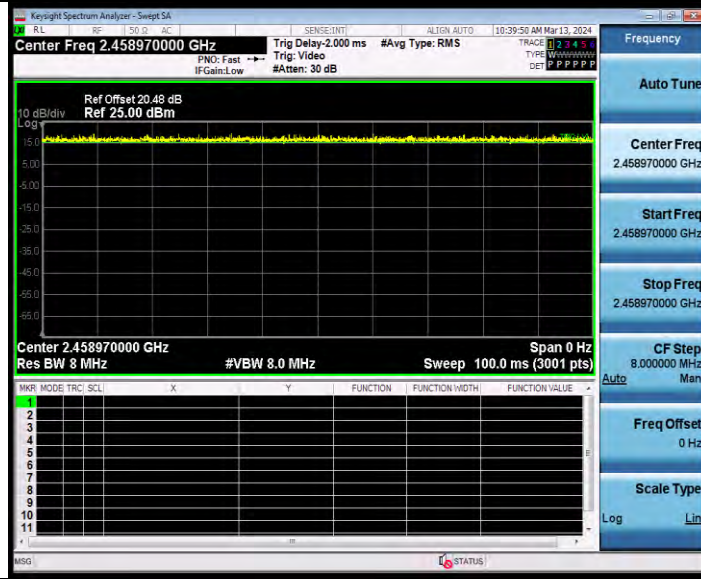
Room B37, Warehouse A5, No.3 Chiwan 4th Road,
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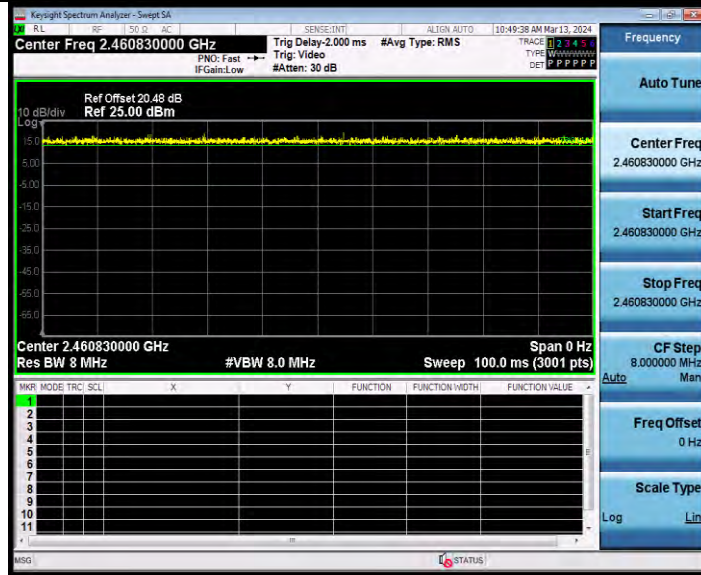


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Test Report No.: W7L-231127W001RF02



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11AX20SISO Ant2 2462 26Tone RU8

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

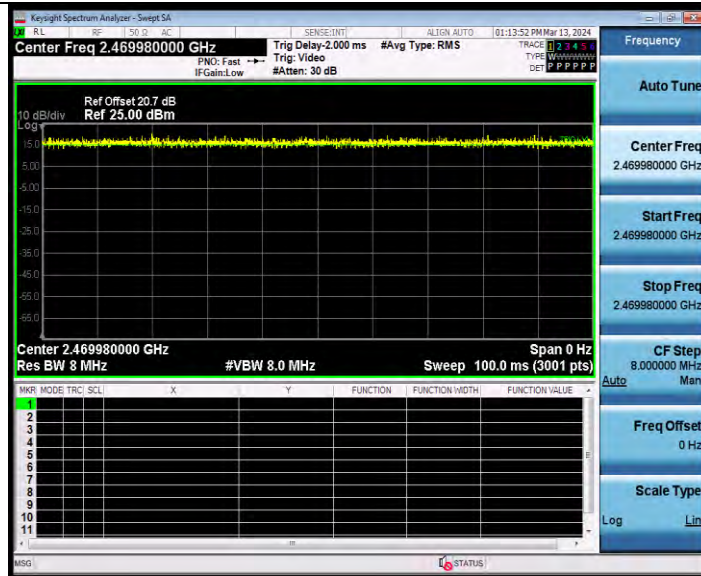
Room B37, Warehouse A5, No.3 Chiwan 4th Road,
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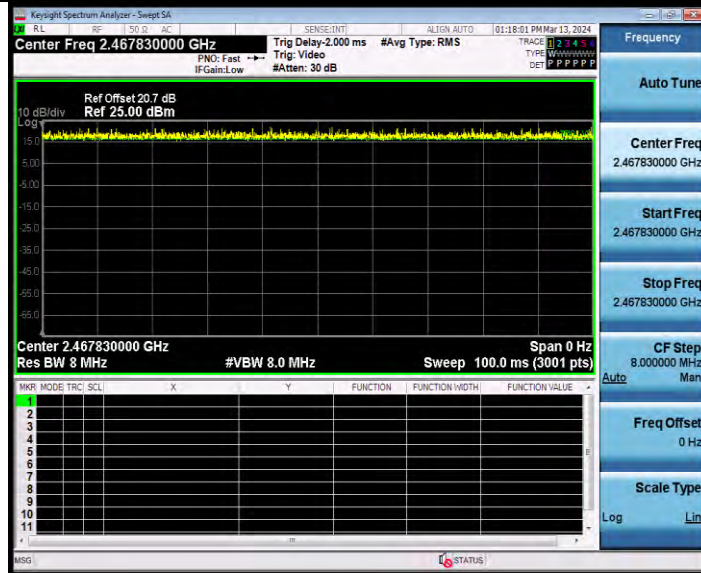


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Test Report No.: W7L-231127W001RF02



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11AX20SISO Ant2 2462 106Tone RU54

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

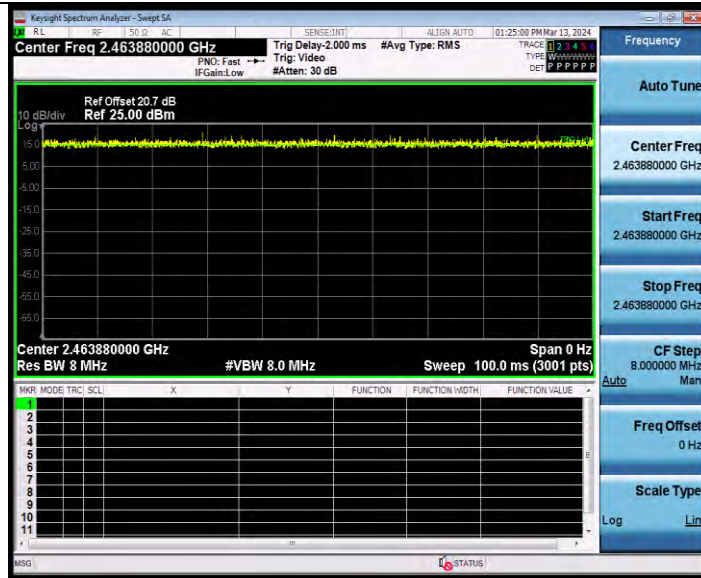
Room B37, Warehouse A5, No.3 Chiwan 4th Road, Zhaoshang Street, Nanshan District Shenzhen, Guangdong, People's Republic of China

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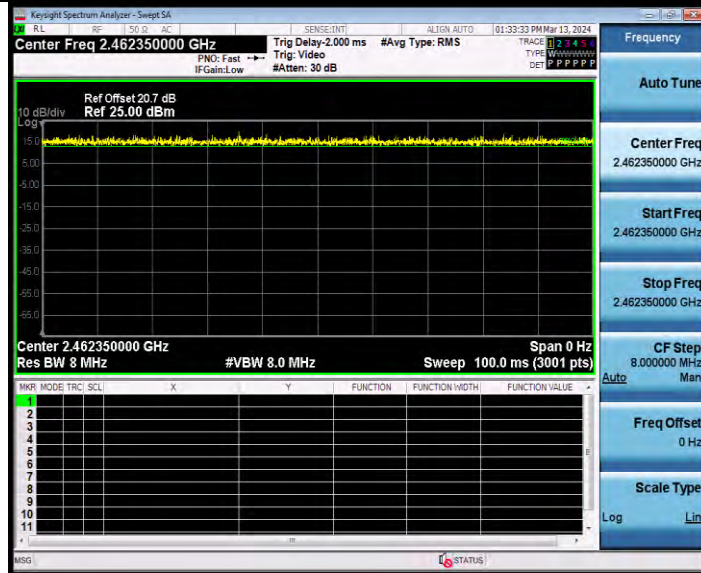


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Test Report No.: W7L-231127W001RF02



11AX20SISO Ant2 2462 242Tone RU61



11AX40SISO Ant1 2422 484Tone RU65

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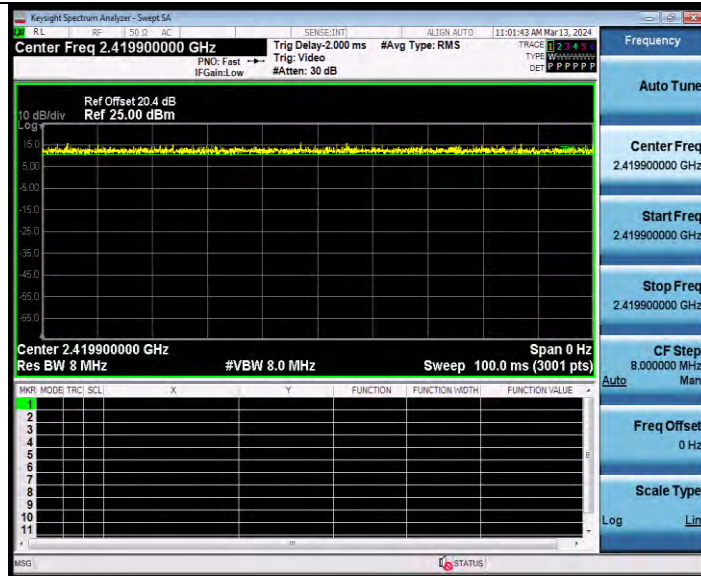
Room B37, Warehouse A5, No.3 Chiwan 4th Road,
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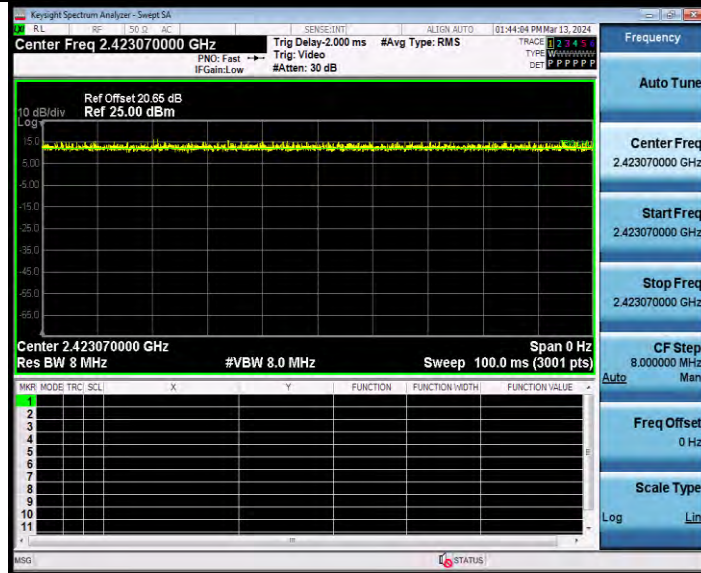


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Test Report No.: W7L-231127W001RF02



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11AX40SISO Ant1 2437 484Tone RU65

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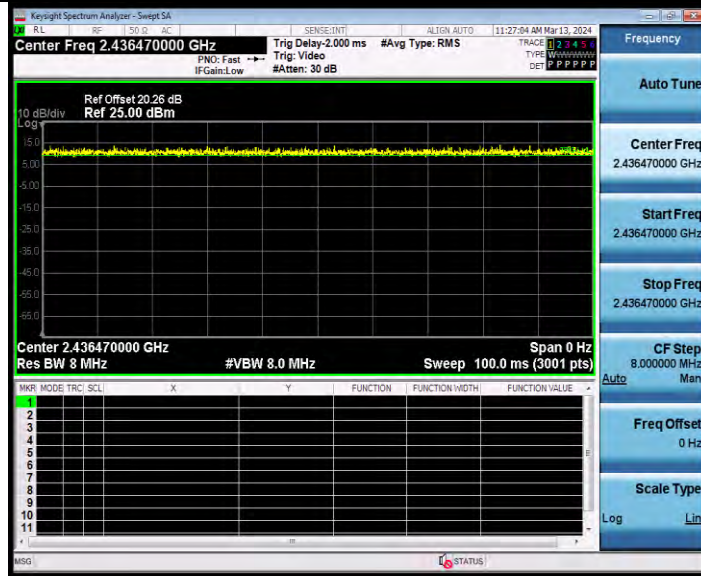
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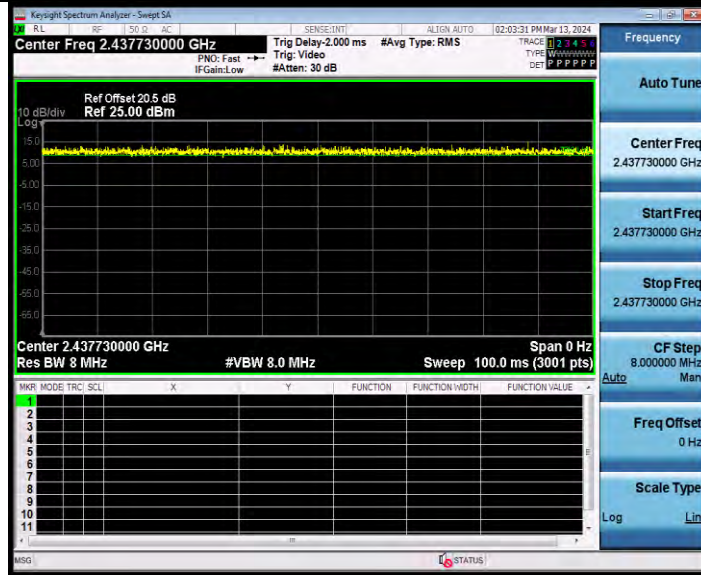


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Test Report No.: W7L-231127W001RF02



11AX40SISO Ant2 2437 484Tone RU65



11AX40SISO Ant1 2452 484Tone RU65

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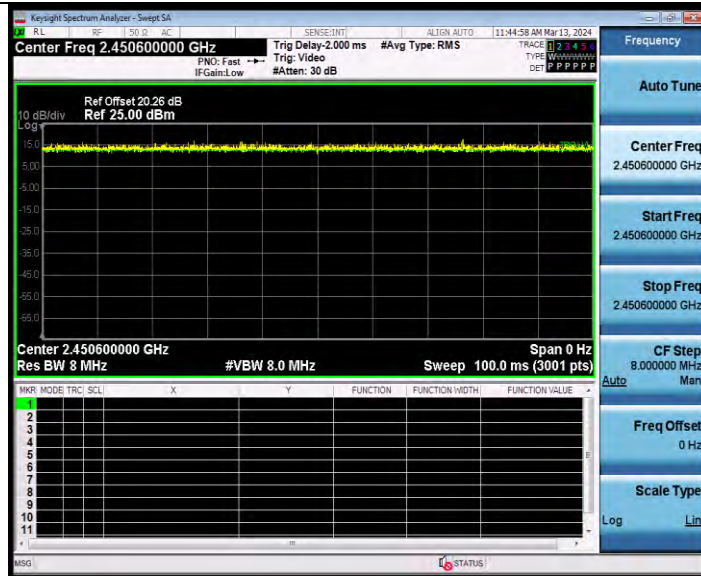
Room B37, Warehouse A5, No.3 Chiwan 4th Road,
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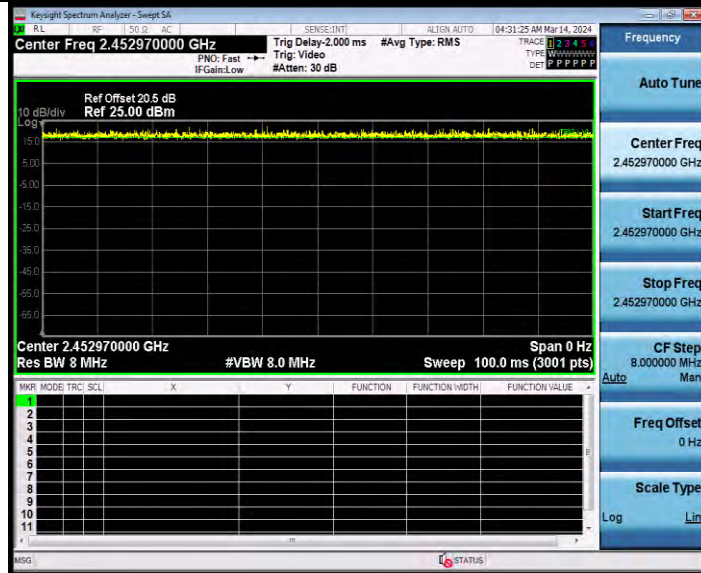


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Test Report No.: W7L-231127W001RF02



11AX40SISO Ant2 2452 484Tone RU65



11AX20MIMO Ant1 2412 26Tone RU0

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

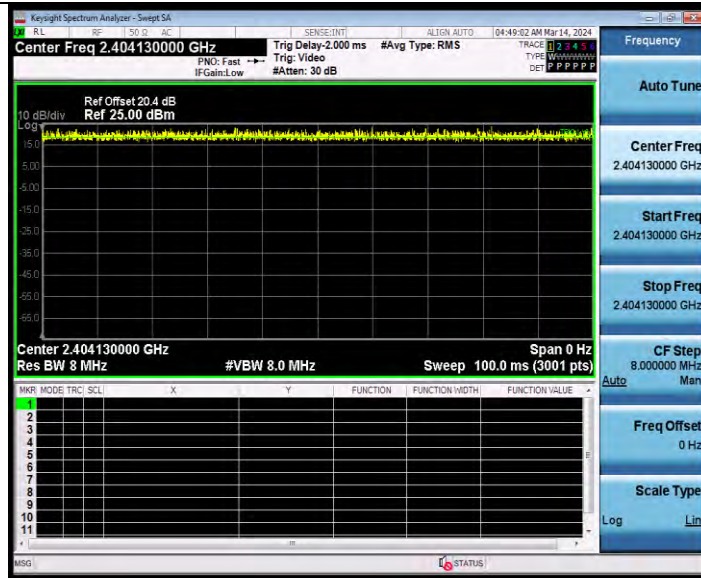
Room B37, Warehouse A5, No.3 Chiwan 4th Road, Zhaoshang Street, Nanshan District Shenzhen, Guangdong, People's Republic of China

Tel: +86 755 8869 6566 Fax: +86 755 8869 6577 Email: customerservice.sw@bureauveritas.com

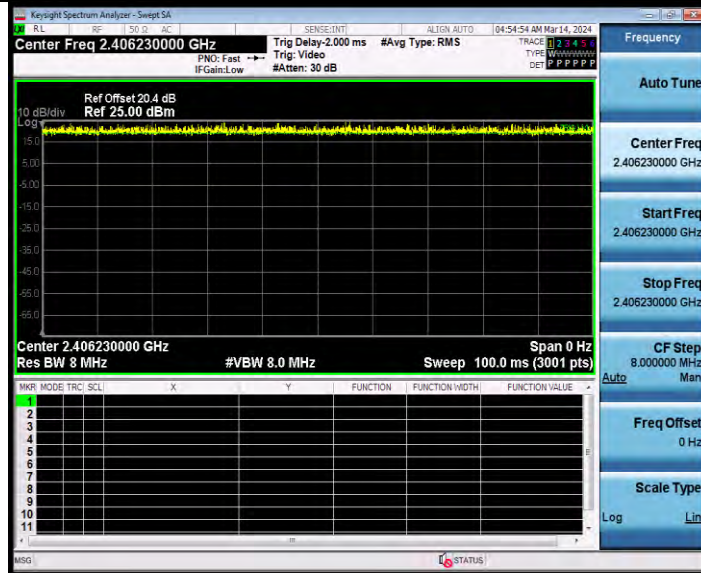


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Test Report No.: W7L-231127W001RF02



11AX20MIMO Ant1 2412 52Tone RU37



11AX20MIMO Ant1 2412 106Tone RU53

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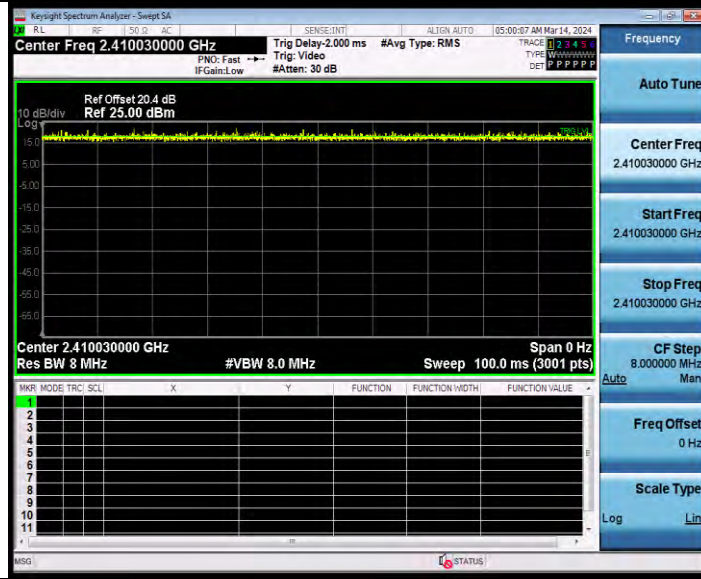
Room B37, Warehouse A5, No.3 Chiwan 4th Road, Zhaoshang Street, Nanshan District Shenzhen, Guangdong, People's Republic of China

Tel: +86 755 8869 6566
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Email: customerservice.sw@bureauveritas.com

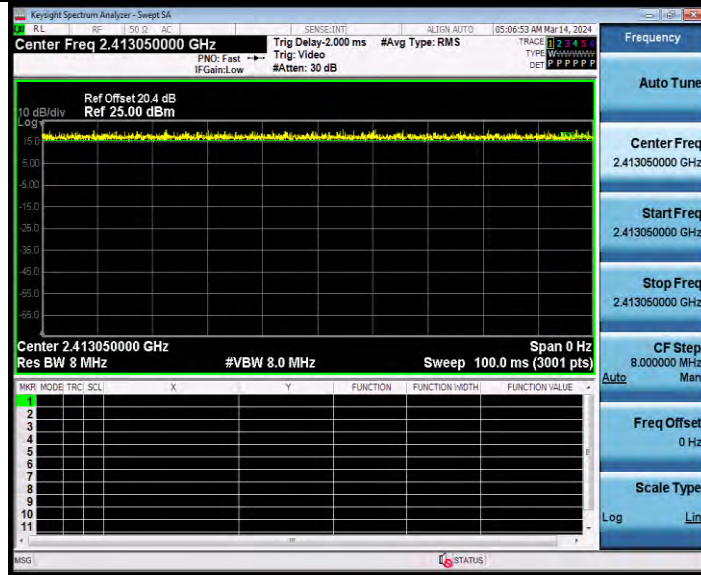


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Test Report No.: W7L-231127W001RF02



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11AX20MIMO Ant2 2412 26Tone RU0

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

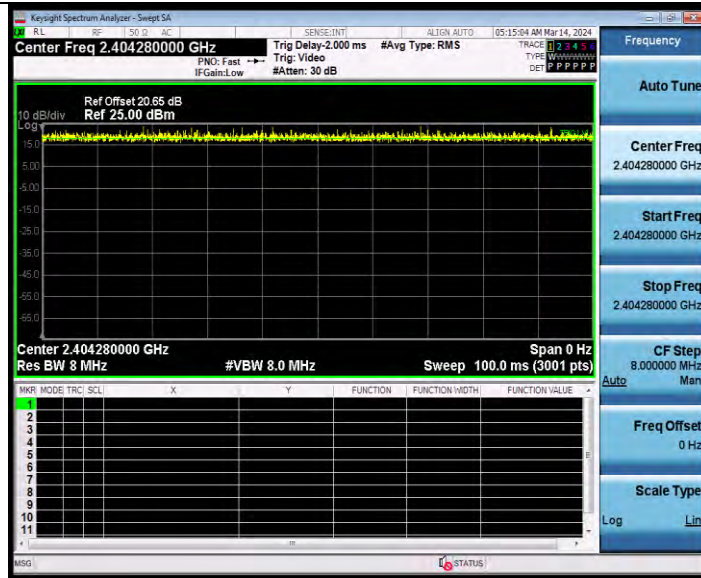
Room B37, Warehouse A5, No.3 Chiwan 4th Road,
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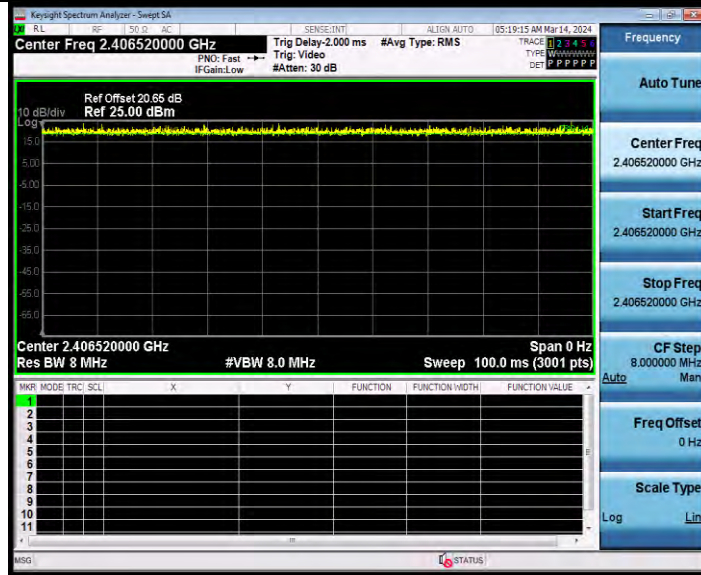


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Test Report No.: W7L-231127W001RF02



11AX20MIMO Ant2 2412 52Tone RU37



11AX20MIMO Ant2 2412 106Tone RU53

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

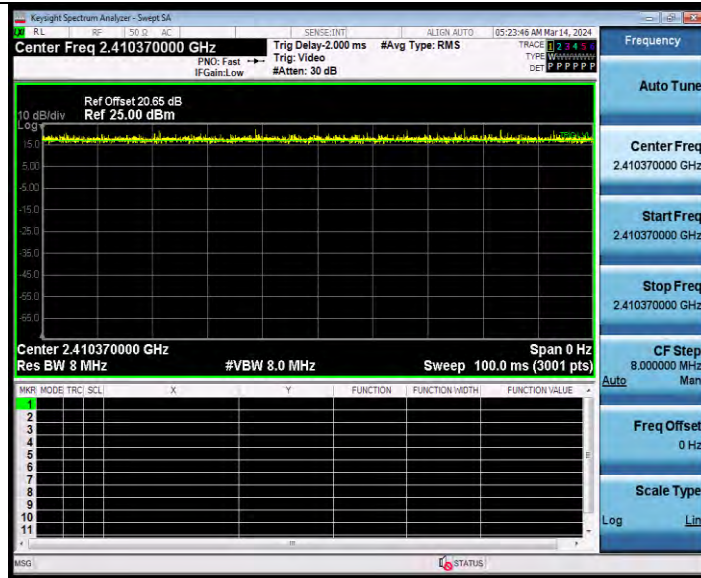
Room B37, Warehouse A5, No.3 Chiwan 4th Road,
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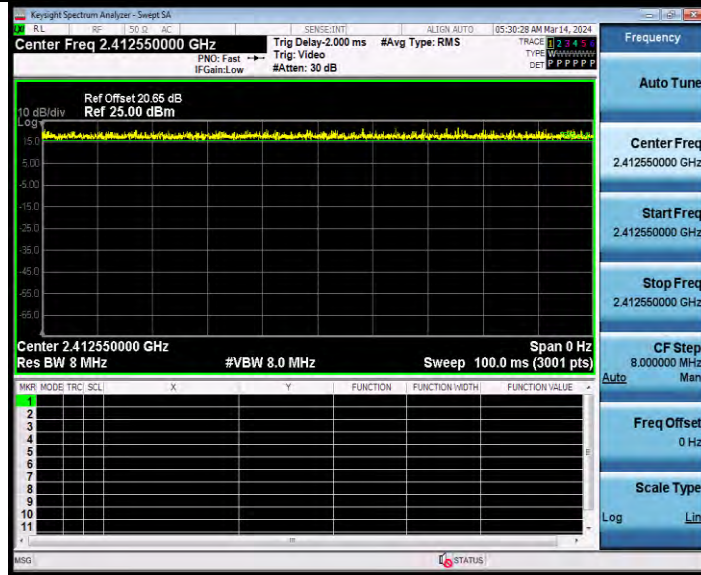


BUREAU VERITAS

Test Report No.: W7L-231127W001RF02



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11AX20MIMO Ant1 2437 26Tone RU4

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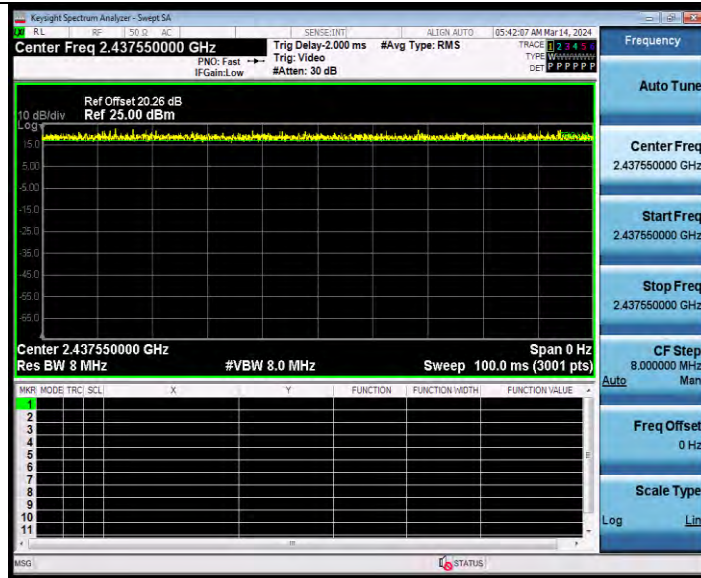
Room B37, Warehouse A5, No.3 Chiwan 4th Road, Zhaoshang Street, Nanshan District Shenzhen, Guangdong, People's Republic of China

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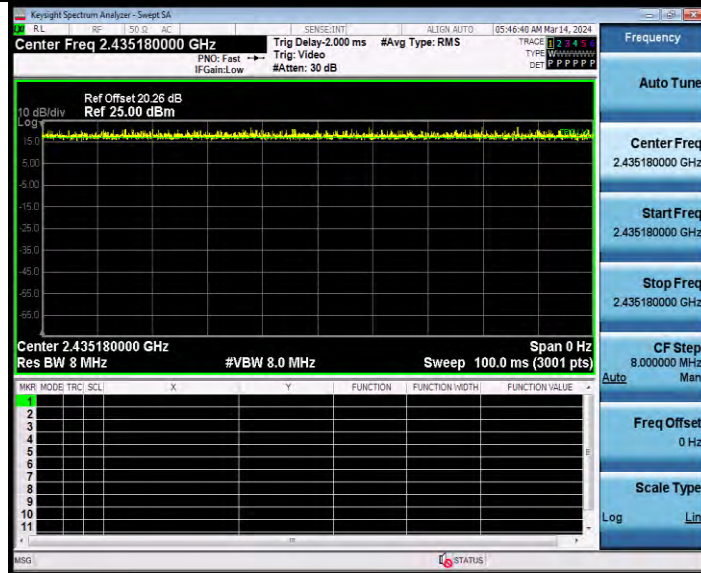


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VERITAS**

Test Report No.: W7L-231127W001RF02



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11AX20MIMO Ant1 2437 106Tone RU53

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(Shenzhen) Co., Ltd

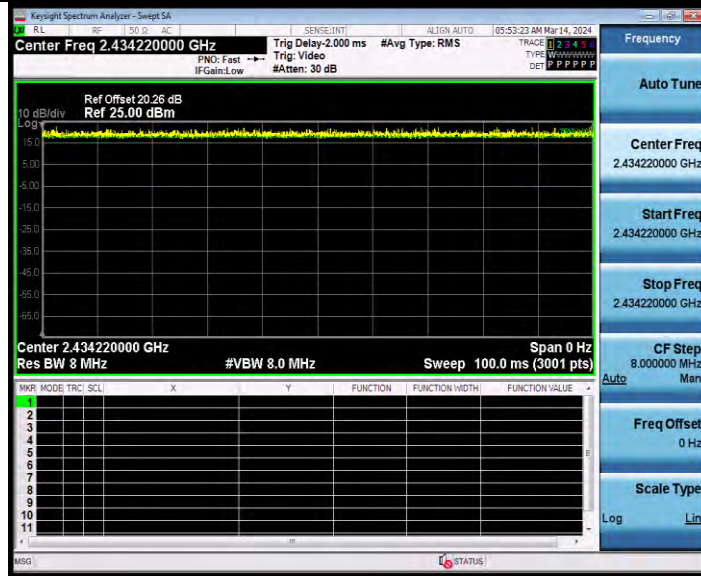
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Fax: +86 755 8869 6577
Email: customerservice.sw@bureauveritas.com

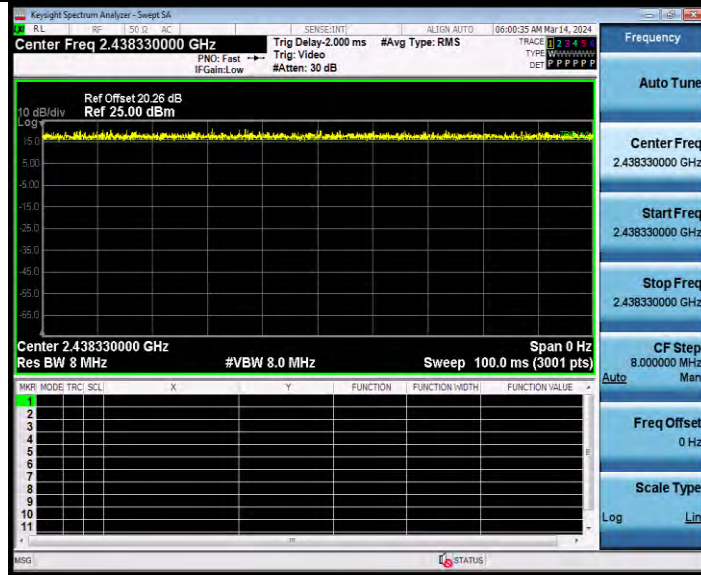


**BUREAU
VERITAS**

Test Report No.: W7L-231127W001RF02



11AX20MIMO Ant1 2437 242Tone RU61



11AX20MIMO Ant2 2437 26Tone RU4

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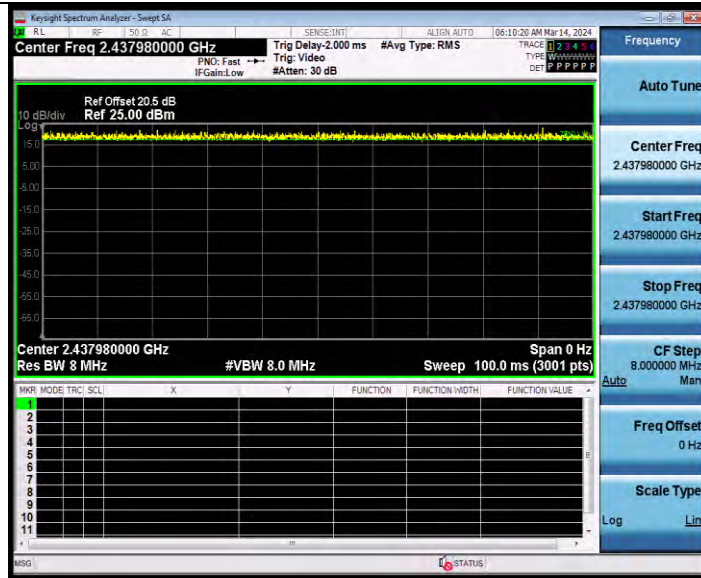
Room B37, Warehouse A5, No.3 Chiwan 4th Road,
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Guangdong, People's Republic of China

Tel: +86 755 8869 6566
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Email: customerservice.sw@bureauveritas.com

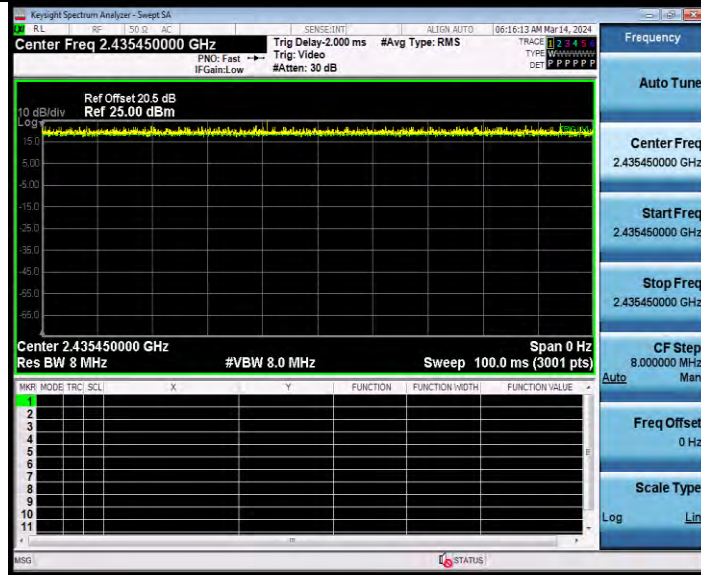


BUREAU VERITAS

Test Report No.: W7L-231127W001RF02



11AX20MIMO Ant2 2437 52Tone RU38



11AX20MIMO Ant2 2437 106Tone RU53

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

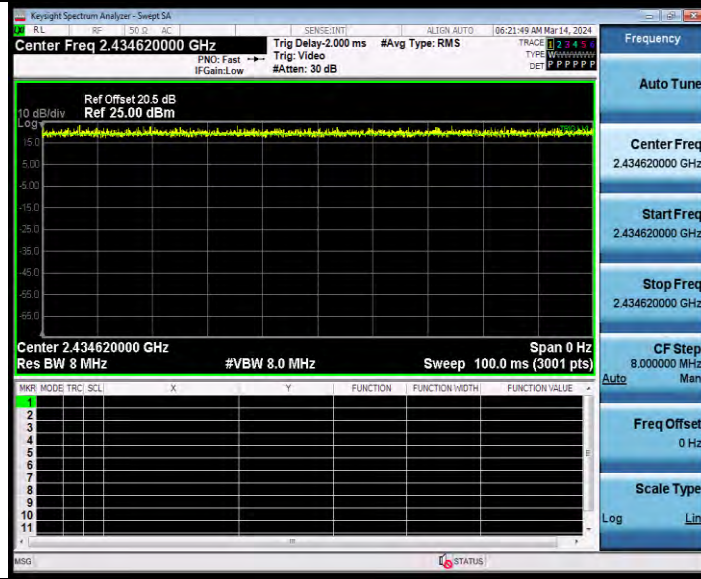
Room B37, Warehouse A5, No.3 Chiwan 4th Road, Zhaoshang Street, Nanshan District Shenzhen, Guangdong, People's Republic of China

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 Fax: +86 755 8869 6577
 Email: customerservice.sw@bureauveritas.com

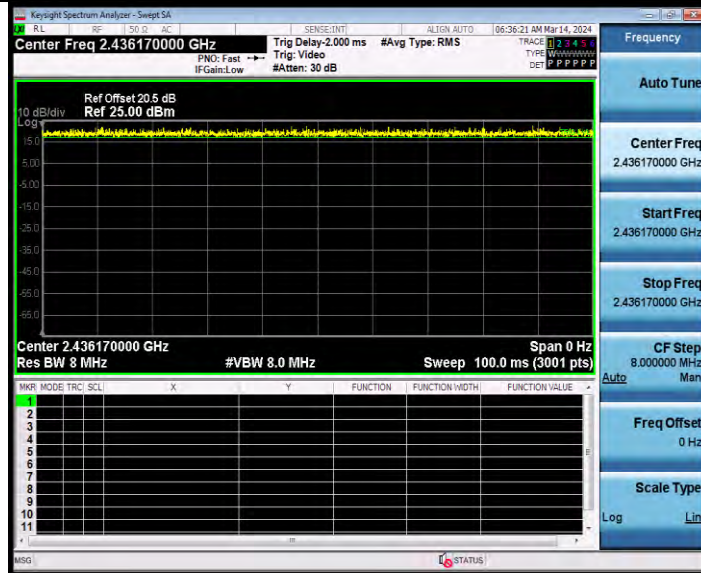


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VERITAS**

Test Report No.: W7L-231127W001RF02



11AX20MIMO Ant2 2437 242Tone RU61



11AX20MIMO Ant1 2462 26Tone RU8

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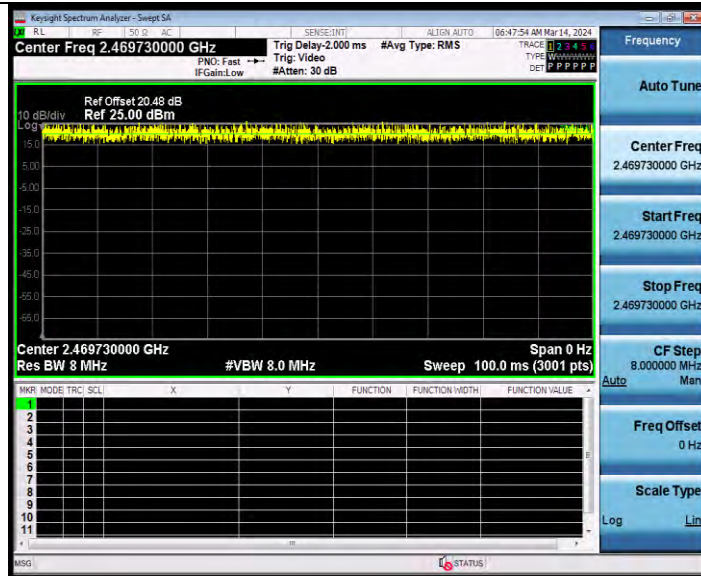
Room B37, Warehouse A5, No.3 Chiwan 4th Road,
Zhaoshang Street, Nanshan District Shenzhen,
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Email: customerservice.sw@bureauveritas.com

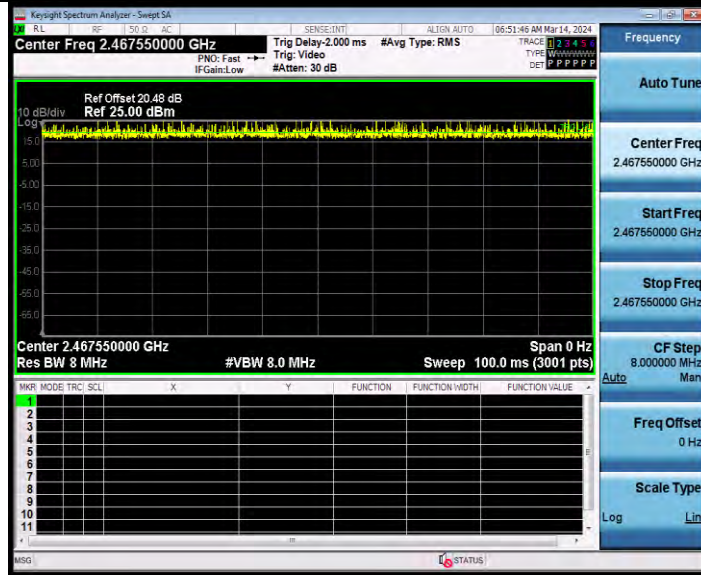


BUREAU VERITAS

Test Report No.: W7L-231127W001RF02



11AX20MIMO Ant1 2462 52Tone RU40



11AX20MIMO Ant1 2462 106Tone RU54

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

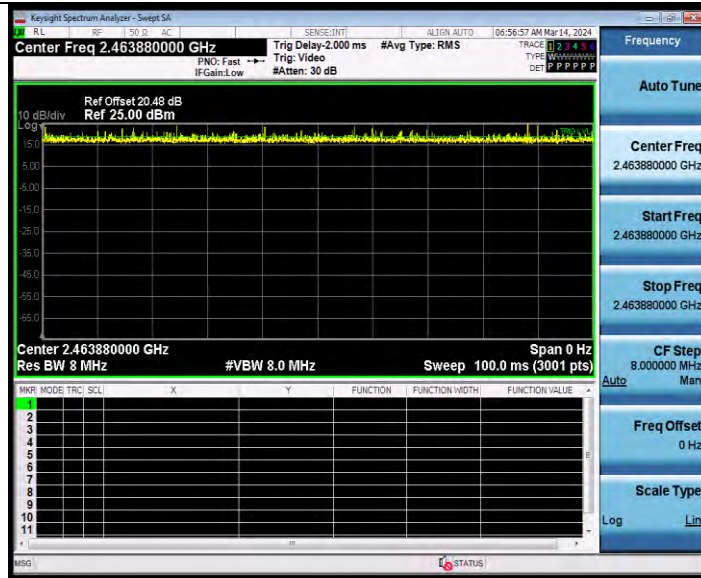
Room B37, Warehouse A5, No.3 Chiwan 4th Road, Zhaoshang Street, Nanshan District Shenzhen, Guangdong, People's Republic of China

Tel: +86 755 8869 6566
 Fax: +86 755 8869 6577
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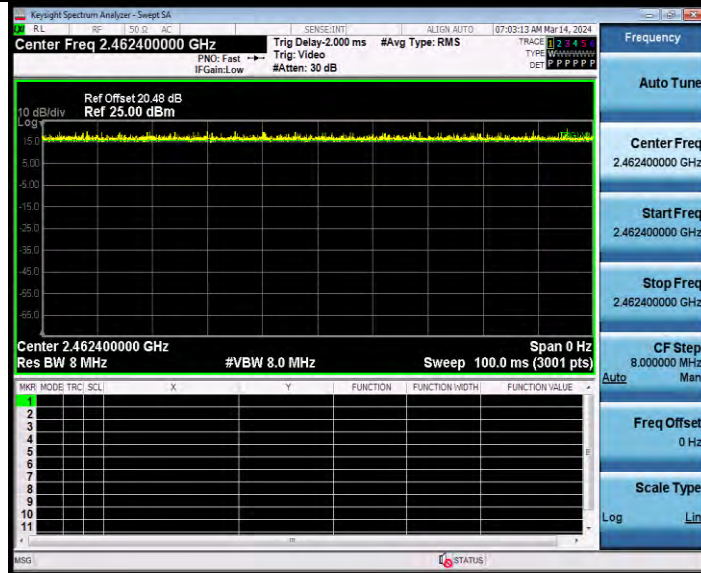


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VERITAS**

Test Report No.: W7L-231127W001RF02



11AX20MIMO Ant1 2462 242Tone RU61



11AX20MIMO Ant2 2462 26Tone RU8

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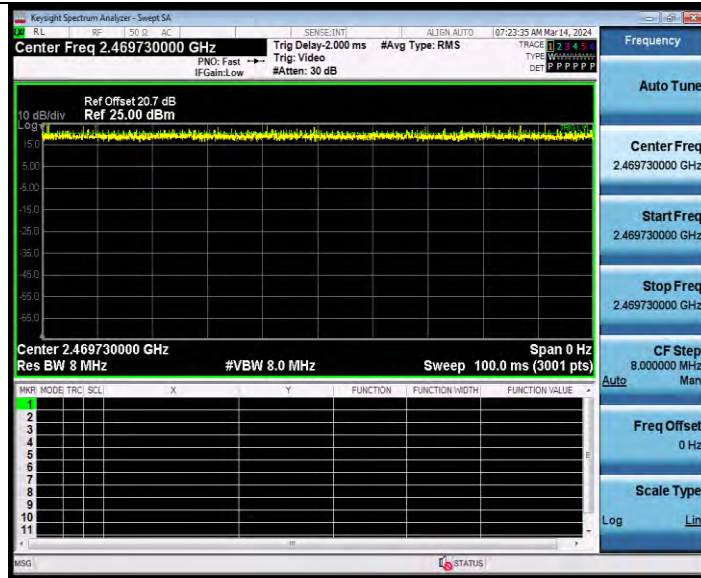
Room B37, Warehouse A5, No.3 Chiwan 4th Road,
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Fax: +86 755 8869 6577
Email: customerservice.sw@bureauveritas.com

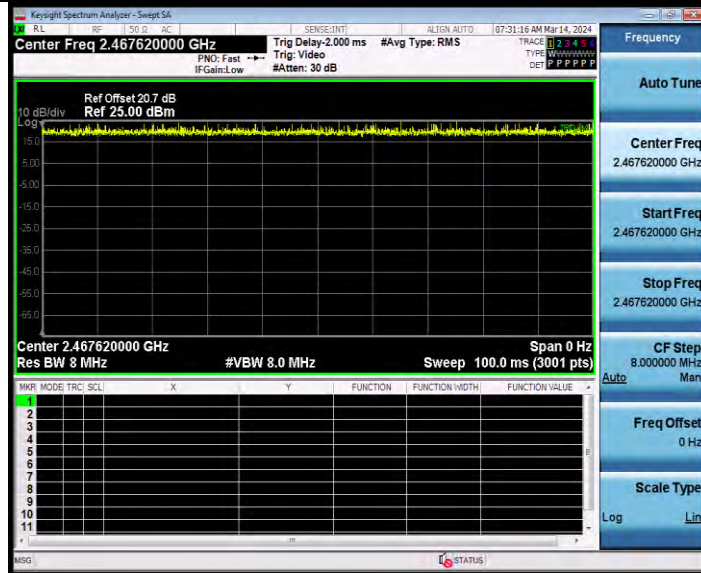


BUREAU VERITAS

Test Report No.: W7L-231127W001RF02



11AX20MIMO Ant2 2462 52Tone RU40



11AX20MIMO Ant2 2462 106Tone RU54

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

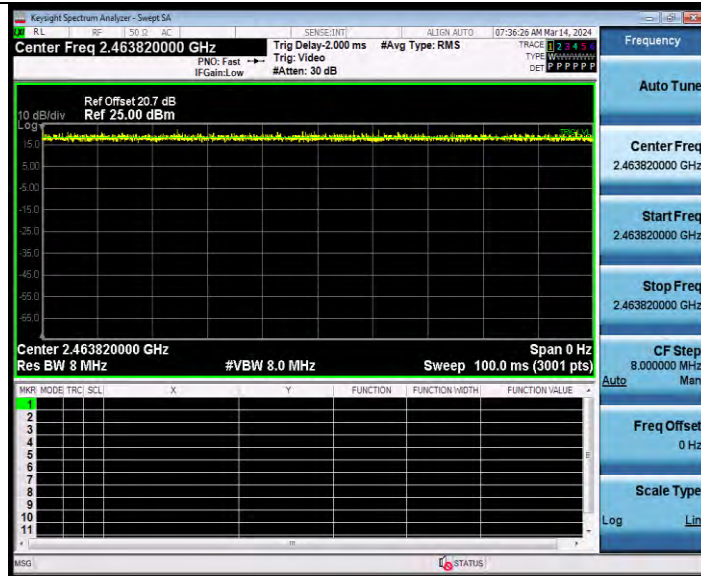
Room B37, Warehouse A5, No.3 Chiwan 4th Road, Zhaoshang Street, Nanshan District Shenzhen, Guangdong, People's Republic of China

Tel: +86 755 8869 6566
 Fax: +86 755 8869 6577
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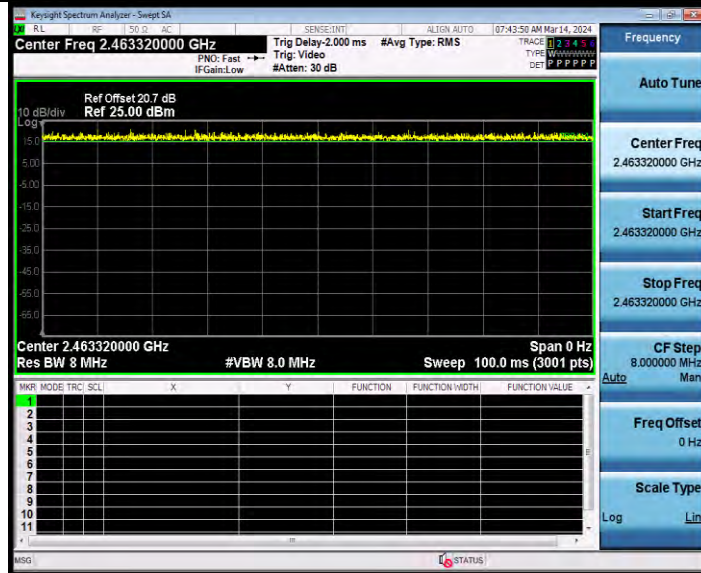


BUREAU VERITAS

Test Report No.: W7L-231127W001RF02



11AX20MIMO Ant2 2462 242Tone RU61



11AX40MIMO Ant1 2422 484Tone RU65

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

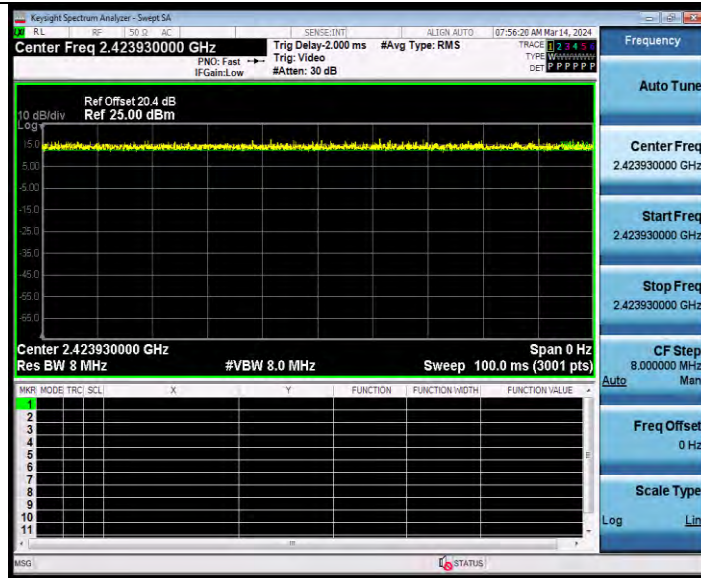
Room B37, Warehouse A5, No.3 Chiwan 4th Road, Zhaoshang Street, Nanshan District Shenzhen, Guangdong, People's Republic of China

Tel: +86 755 8869 6566
Fax: +86 755 8869 6577
Email: customerservice.sw@bureauveritas.com

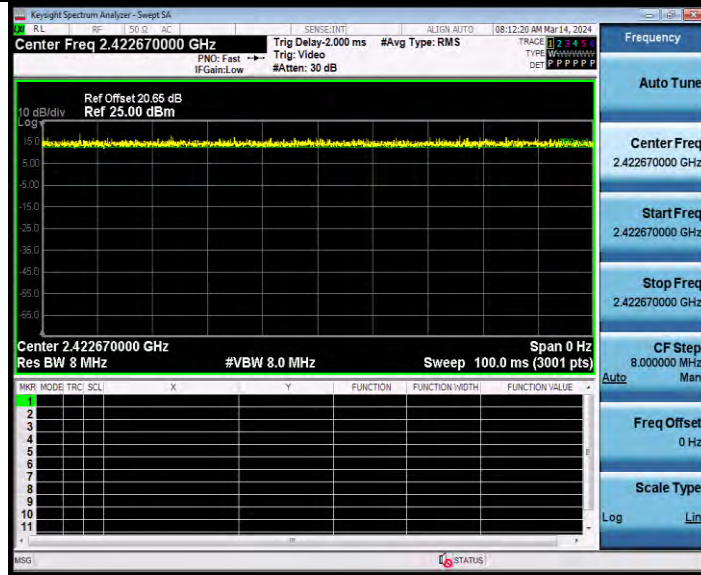


BUREAU VERITAS

Test Report No.: W7L-231127W001RF02



11AX40MIMO Ant2 2422 484Tone RU65



11AX40MIMO Ant1 2437 484Tone RU65

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

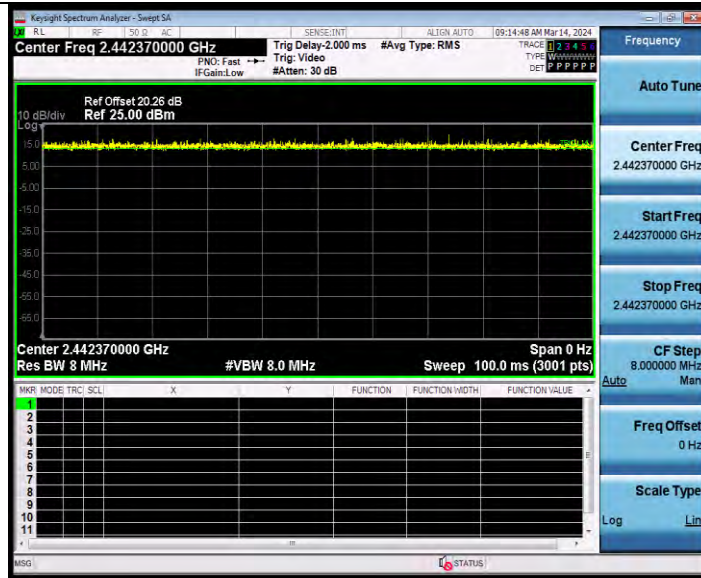
Room B37, Warehouse A5, No.3 Chiwan 4th Road, Zhaoshang Street, Nanshan District Shenzhen, Guangdong, People's Republic of China

Tel: +86 755 8869 6566 Fax: +86 755 8869 6577 Email: customerservice.sw@bureauveritas.com

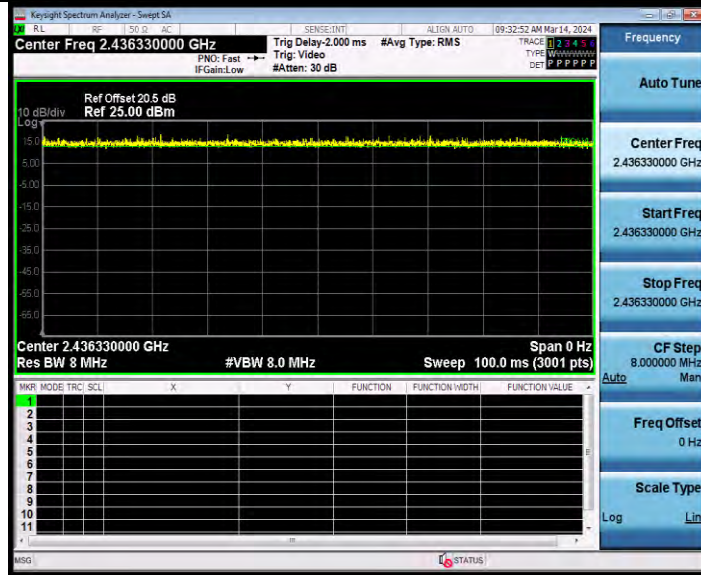


BUREAU VERITAS

Test Report No.: W7L-231127W001RF02



11AX40MIMO Ant2 2437 484Tone RU65



11AX40MIMO Ant1 2452 484Tone RU65

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

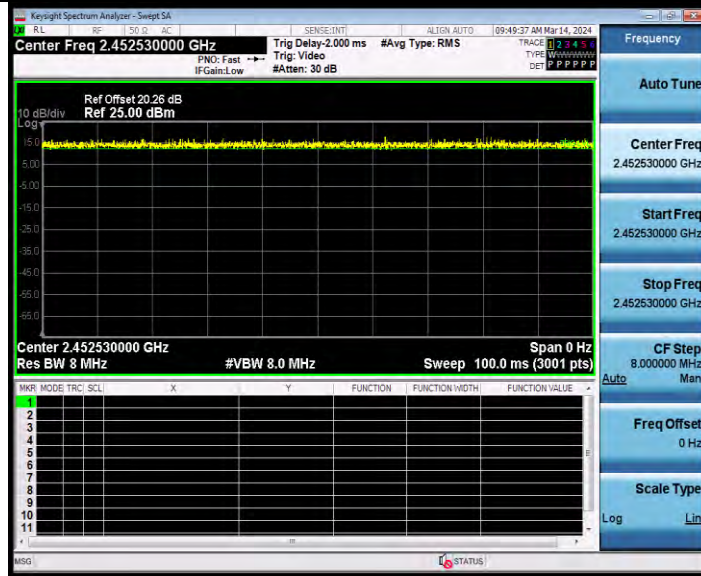
Room B37, Warehouse A5, No.3 Chiwan 4th Road, Zhaoshang Street, Nanshan District Shenzhen, Guangdong, People's Republic of China

Tel: +86 755 8869 6566
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Email: customerservice.sw@bureauveritas.com

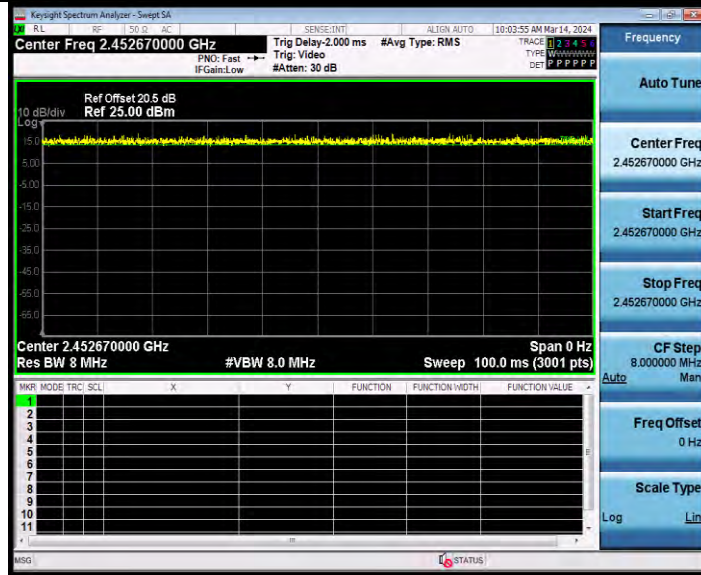


BUREAU VERITAS

Test Report No.: W7L-231127W001RF02



11AX40MIMO Ant2 2452 484Tone RU65



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APPENDIX 3: BLE

DTS BANDWIDTH

TEST RESULT

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.668	2401.696	2402.364	0.5	PASS
		2440	0.652	2439.708	2440.360	0.5	PASS
		2480	0.652	2479.708	2480.360	0.5	PASS
BLE_2M	Ant1	2404	1.180	2403.448	2404.628	0.5	PASS
		2440	0.956	2439.480	2440.436	0.5	PASS
		2478	1.088	2477.520	2478.608	0.5	PASS



BUREAU VERITAS Test Report No.: W7L-231127W001RF02
TEST GRAPHS





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Test Report No.: W7L-231127W001RF02



BLE 2M Ant1 2404



BLE 2M Ant1 2440

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BUREAU VERITAS

Test Report No.: W7L-231127W001RF02



BLE 2M Ant1 2478



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BUREAU VERITAS Test Report No.: W7L-231127W001RF02

OCCUPIED CHANNEL BANDWIDTH

TEST RESULT

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0312	2401.5259	2402.5571	---	---
		2440	1.0408	2439.5175	2440.5583	---	---
		2480	1.0330	2479.5247	2480.5577	---	---
BLE_2M	Ant1	2404	2.0724	2403.0235	2405.0959	---	---
		2440	2.0642	2439.0348	2441.0990	---	---
		2478	2.0533	2477.0381	2479.0914	---	---



BUREAU VERITAS Test Report No.: W7L-231127W001RF02
TEST GRAPHS



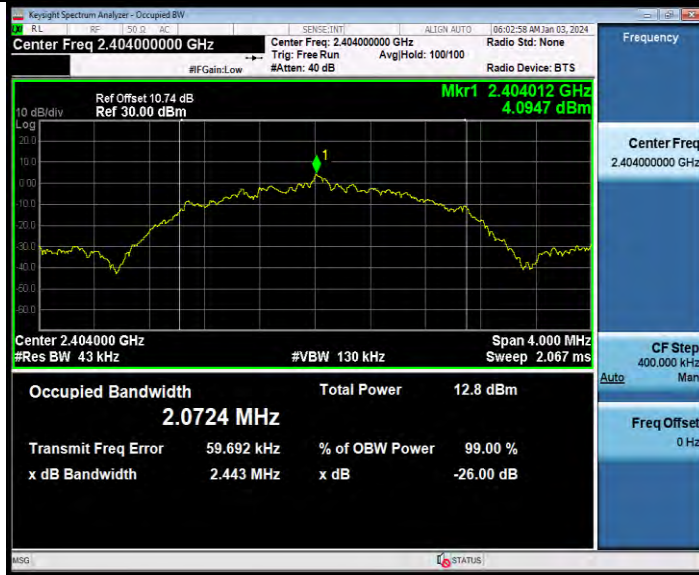


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VERITAS**

Test Report No.: W7L-231127W001RF02



BLE 2M Ant1 2404



BLE 2M Ant1 2440



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VERITAS**

Test Report No.: W7L-231127W001RF02



BLE 2M Ant1 2478



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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	5.55	5.65	3.67	≤30	8.15	6.53	≤36	PASS	Default
		2440	5.35	5.45	3.51	≤30	7.95	6.24	≤36	PASS	Default
		2480	5.37	5.48	3.53	≤30	7.98	6.28	≤36	PASS	Default
BLE_2M	Ant1	2404	5.17	5.43	3.49	≤30	7.93	6.21	≤36	PASS	Default
		2440	5.34	5.42	3.48	≤30	7.92	6.19	≤36	PASS	Default
		2478	5.6	5.64	3.66	≤30	8.14	6.52	≤36	PASS	Default

Note:EIRP=Peak Power+Gain

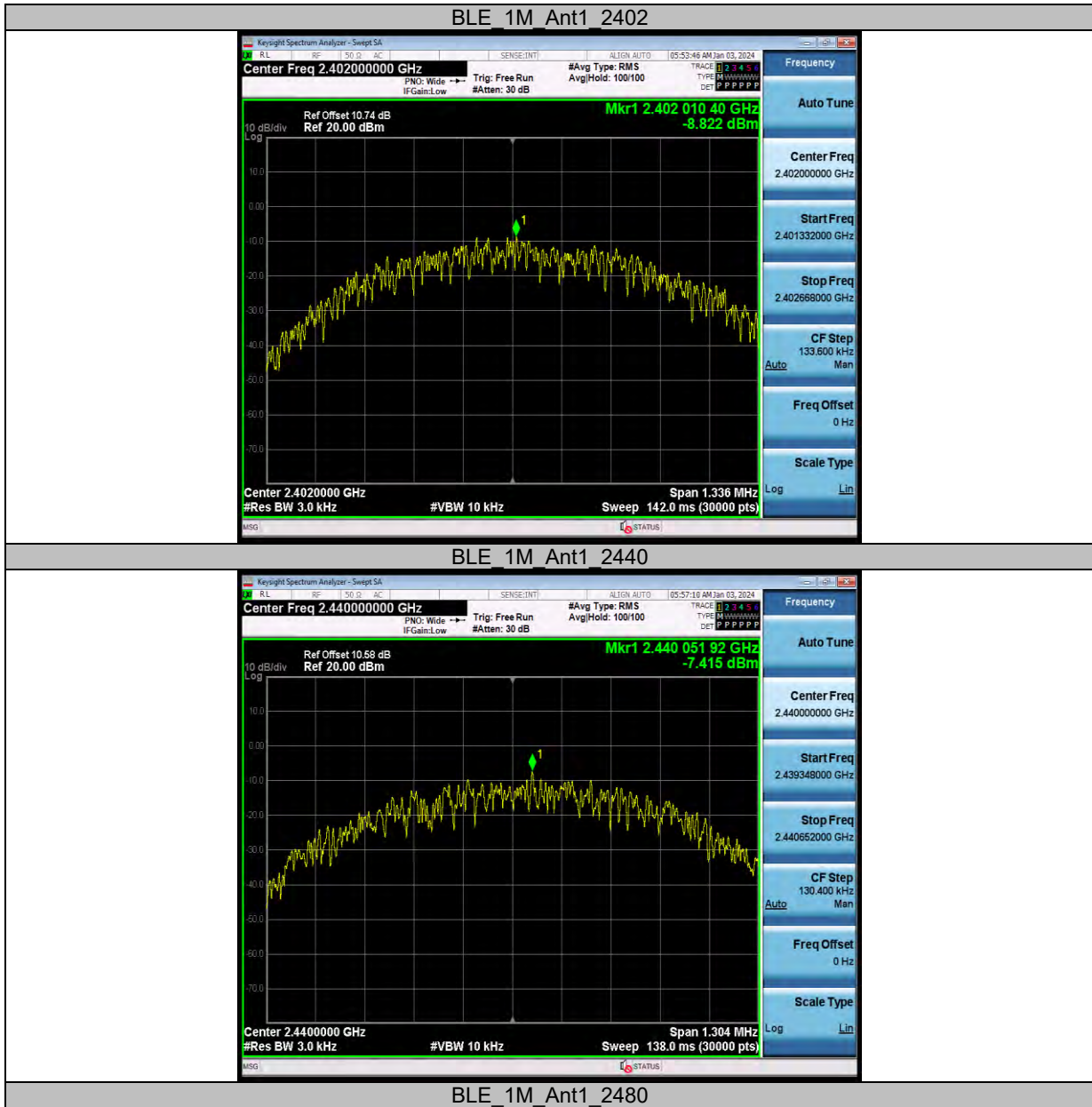
MAXIMUM POWER SPECTRAL DENSITY

TEST RESULT

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-8.82	≤8.00	PASS
		2440	-7.42	≤8.00	PASS
		2480	-8.17	≤8.00	PASS
BLE_2M	Ant1	2404	-11.31	≤8.00	PASS
		2440	-10.98	≤8.00	PASS
		2478	-10.37	≤8.00	PASS



BUREAU VERITAS Test Report No.: W7L-231127W001RF02
TEST GRAPHS



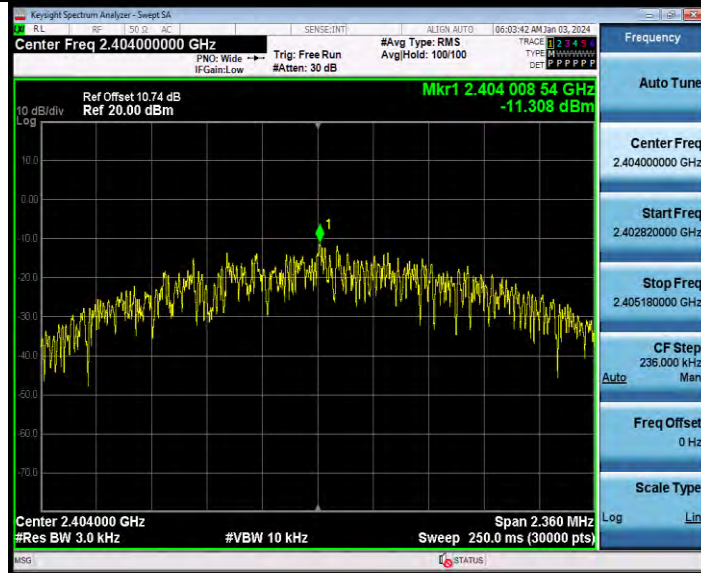


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VERITAS**

Test Report No.: W7L-231127W001RF02



BLE 2M Ant1 2404



BLE 2M Ant1 2440

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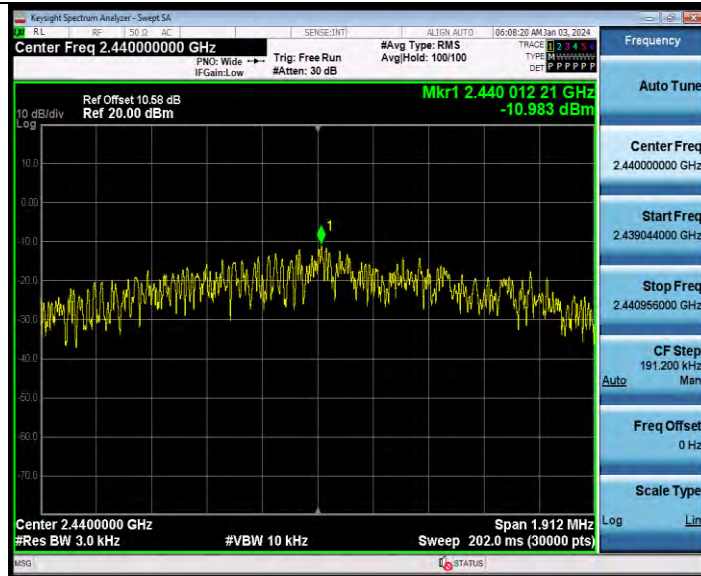
Room B37, Warehouse A5, No.3 Chiwan 4th Road,
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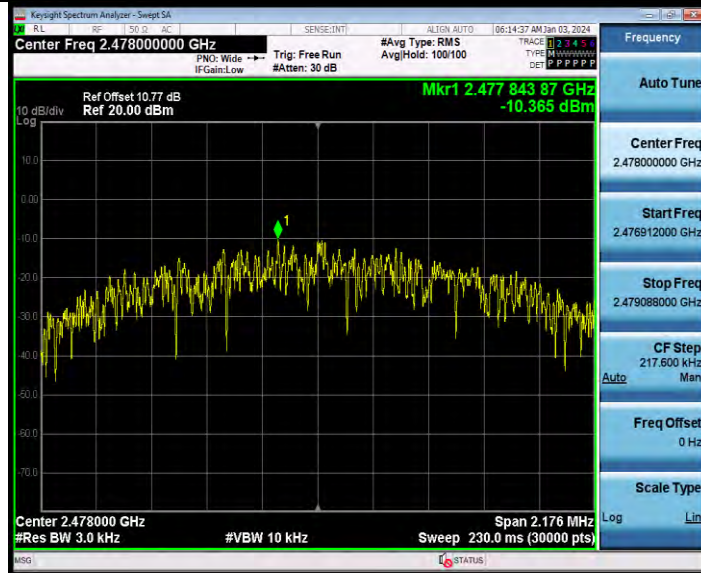


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VERITAS**

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BLE 2M Ant1 2478



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BAND EDGE MEASUREMENTS

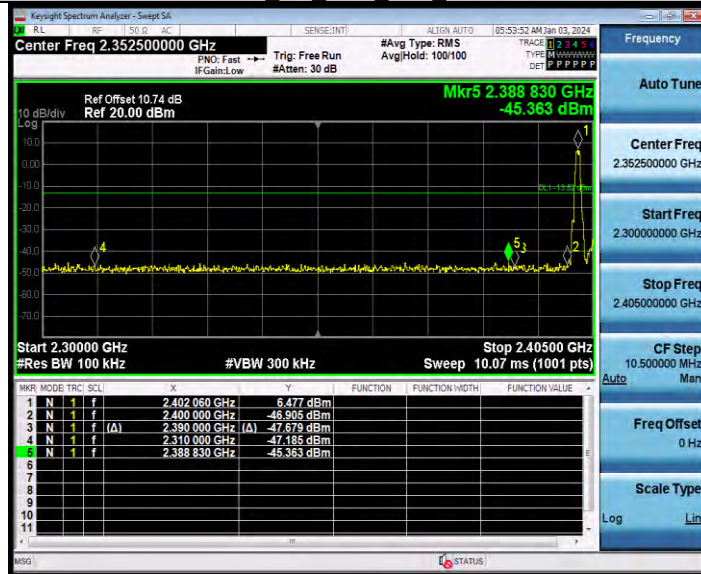
TEST RESULT

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	6.48	-45.36	≤-13.52	PASS
		High	2480	7.46	-44.41	≤-12.54	PASS
BLE_2M	Ant1	Low	2404	6.66	-44.93	≤-13.34	PASS
		High	2478	7.86	-45.02	≤-12.14	PASS

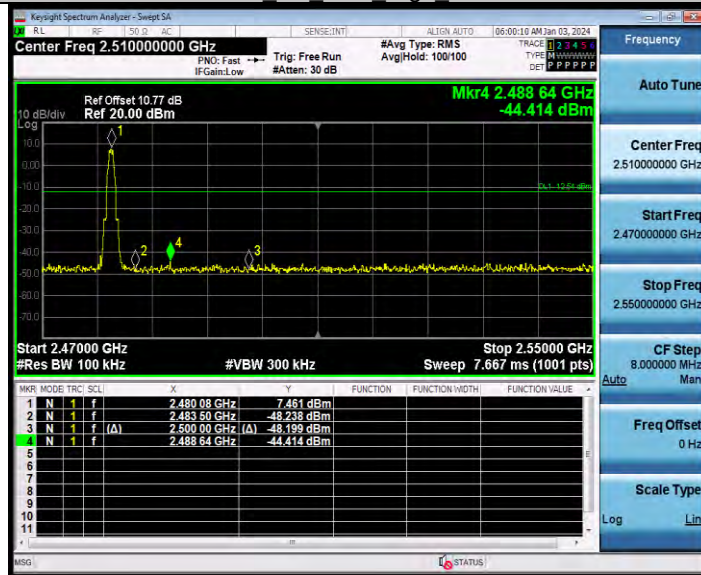


BUREAU VERITAS Test Report No.: W7L-231127W001RF02
TEST GRAPHS

BLE 1M Ant1 Low 2402



BLE 1M Ant1 High 2480

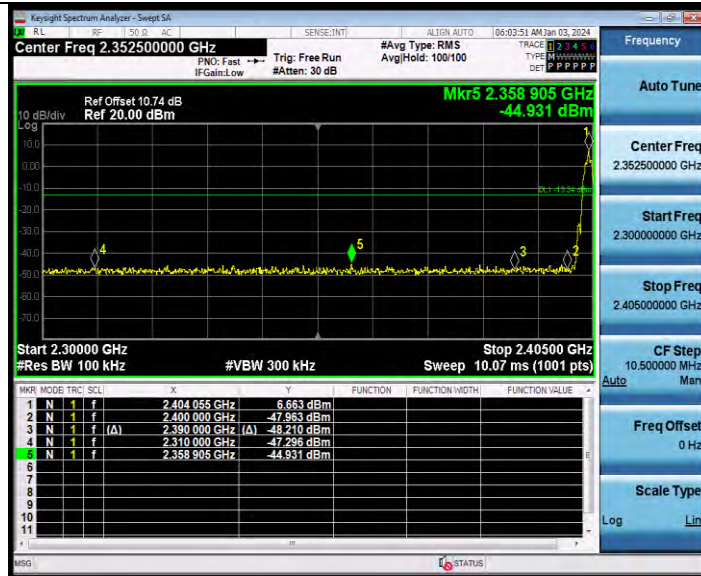


BLE 2M Ant1 Low 2404

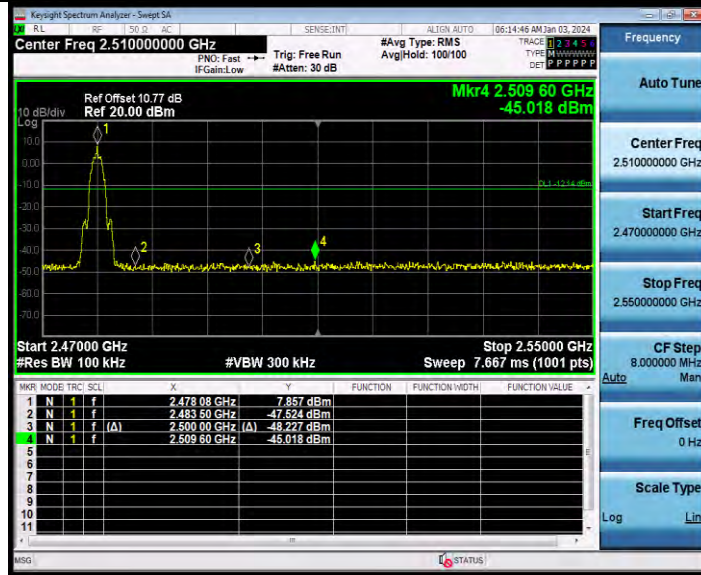


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Test Report No.: W7L-231127W001RF02



BLE 2M Ant1 High 2478



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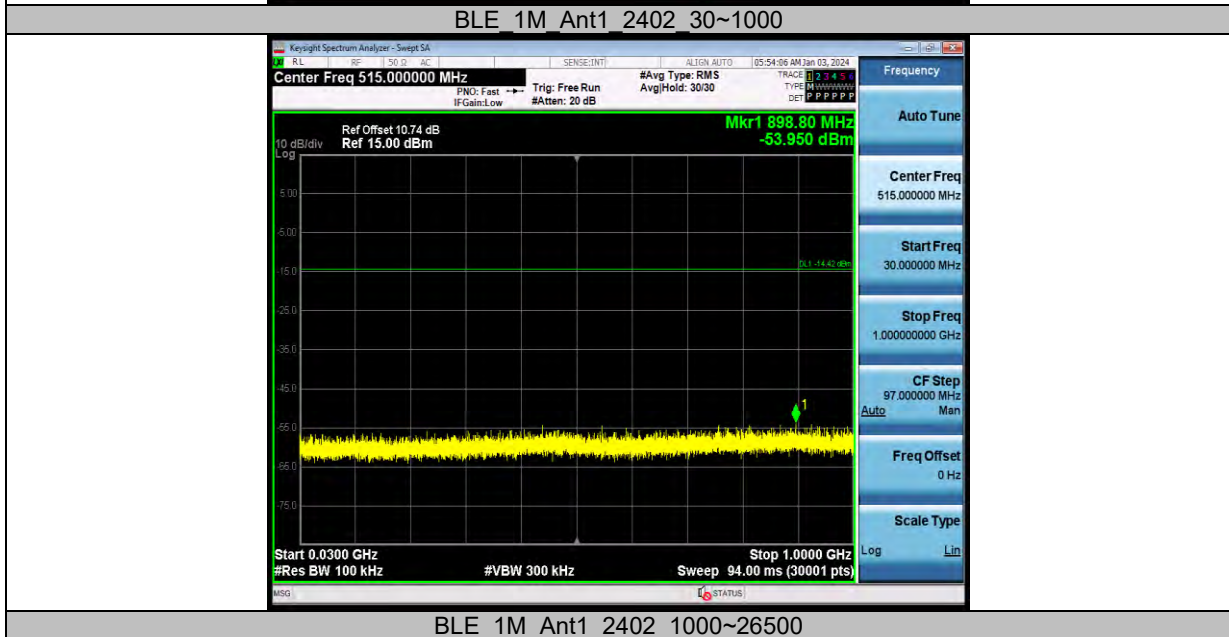
CONDUCTED SPURIOUS EMISSION

TEST RESULT

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	5.58	5.58	---	PASS
			30~1000	5.58	-53.95	≤-14.42	PASS
			1000~26500	5.58	-27.53	≤-14.42	PASS
		2440	Reference	6.59	6.59	---	PASS
			30~1000	6.59	-54.53	≤-13.41	PASS
			1000~26500	6.59	-27.77	≤-13.41	PASS
		2480	Reference	7.21	7.21	---	PASS
			30~1000	7.21	-54	≤-12.79	PASS
			1000~26500	7.21	-27.92	≤-12.79	PASS
BLE_2M	Ant1	2404	Reference	5.60	5.60	---	PASS
			30~1000	5.60	-53.91	≤-14.4	PASS
			1000~26500	5.60	-28.7	≤-14.4	PASS
		2440	Reference	2.79	2.79	---	PASS
			30~1000	2.79	-53.84	≤-17.21	PASS
			1000~26500	2.79	-28.87	≤-17.21	PASS
		2478	Reference	6.03	6.03	---	PASS
			30~1000	6.03	-53.61	≤-13.97	PASS
			1000~26500	6.03	-34.85	≤-13.97	PASS



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TEST GRAPHS





BLE 1M Ant1 2440 0~Reference



BLE 1M Ant1 2440 30~1000



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Test Report No.: W7L-231127W001RF02



BLE 1M Ant1 2440 1000~26500



BLE 1M Ant1 2480 0~Reference

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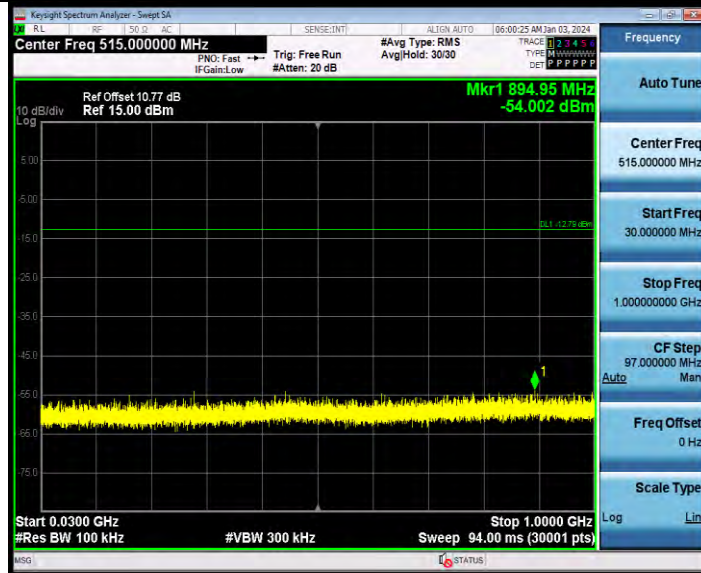


BUREAU VERITAS

Test Report No.: W7L-231127W001RF02



BLE 1M Ant1 2480 30~1000



BLE 1M Ant1 2480 1000~26500

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

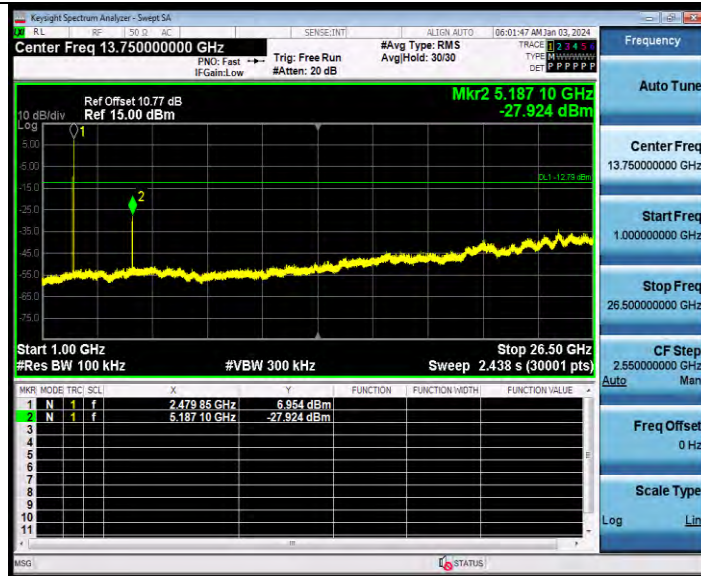
Room B37, Warehouse A5, No.3 Chiwan 4th Road, Zhaoshang Street, Nanshan District Shenzhen, Guangdong, People's Republic of China

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BUREAU VERITAS

Test Report No.: W7L-231127W001RF02



BLE 2M Ant1 2404 0~Reference



BLE 2M Ant1 2404 30~1000

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