



BUREAU
VERITAS

Test Report No.: PSU-NQN2506100110RF02



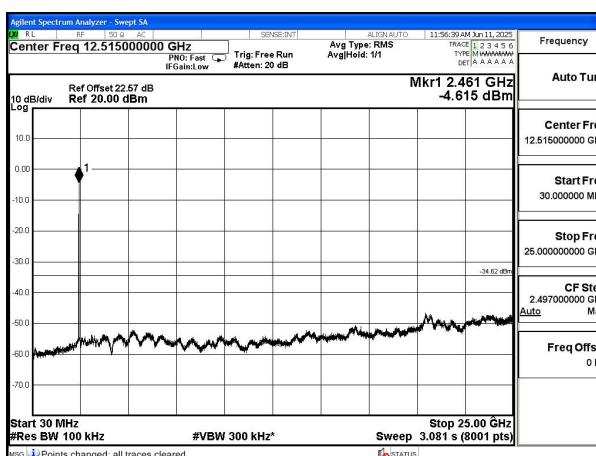
Mode:802.11g Frequency:2437MHz Ant:Chain1

Test Mode: 802.11n HT20



Mode:802.11n HT20 Frequency:2412MHz

Ant:Chain0



Mode:802.11n HT20 Frequency:2462MHz

Mode:802.11n HT20 Frequency:2412MHz

Huarui 7layers High Technology
(Suzhou) Co., Ltd.

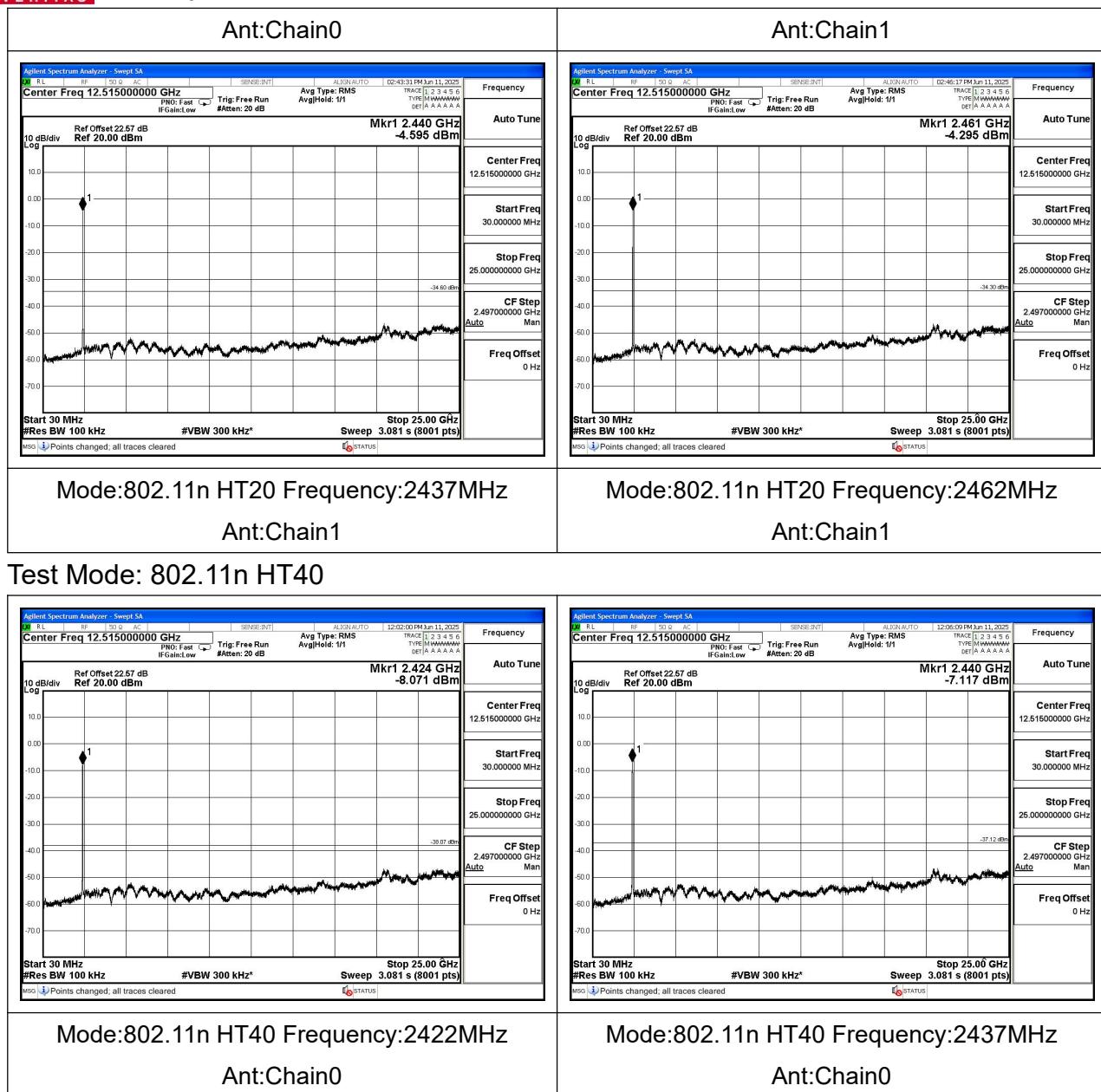
Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province

Tel: +86 (0557) 368 1008



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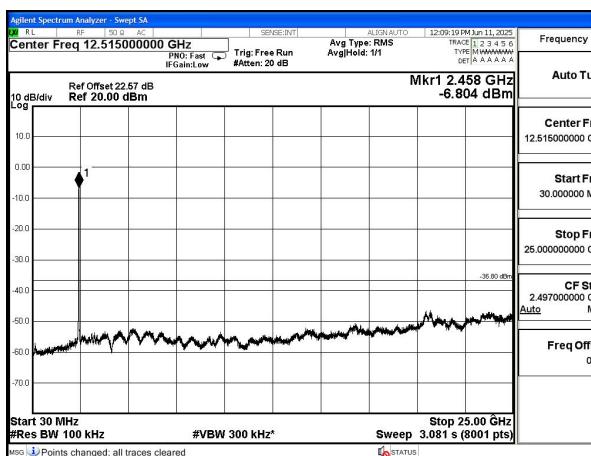
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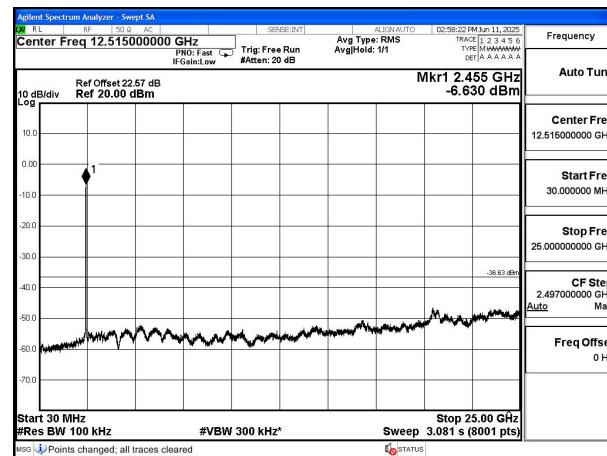
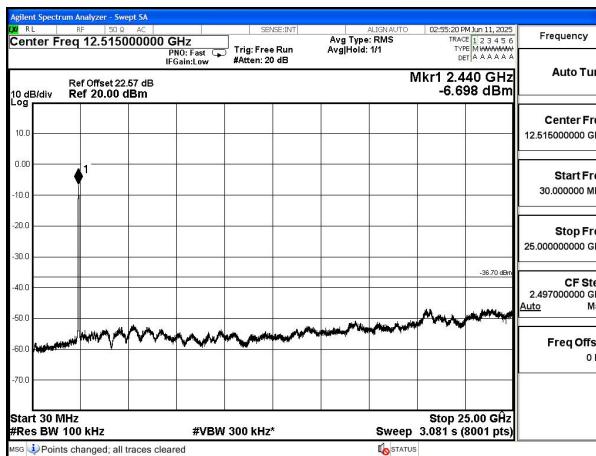
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Mode:802.11n HT40 Frequency:2452MHz
Ant:Chain0

Mode:802.11n HT40 Frequency:2422MHz
Ant:Chain1



Mode:802.11n HT40 Frequency:2437MHz
Ant:Chain1

Mode:802.11n HT40 Frequency:2452MHz
Ant:Chain1



DUTY CYCLE

TEST RESULT

Modulation Type	Frequency (MHz)	Antenna	Plot	Duty Cycle	Correction Factor(dB)
802.11b	2412	Chain0	Fig.1	100.00%	0
802.11b	2412	Chain1	Fig.2	99.99%	0
802.11g	2412	Chain0	Fig.3	99.93%	0
802.11g	2412	Chain1	Fig.4	99.92%	0
802.11n HT20	2412	Chain0	Fig.5	99.93%	0
802.11n HT20	2412	Chain1	Fig.6	99.91%	0
802.11n HT40	2422	Chain0	Fig.7	99.85%	0
802.11n HT40	2422	Chain1	Fig.8	99.85%	0

Note: Correction Factor=10*log (1/Duty Cycle)

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TEST GRAPHS

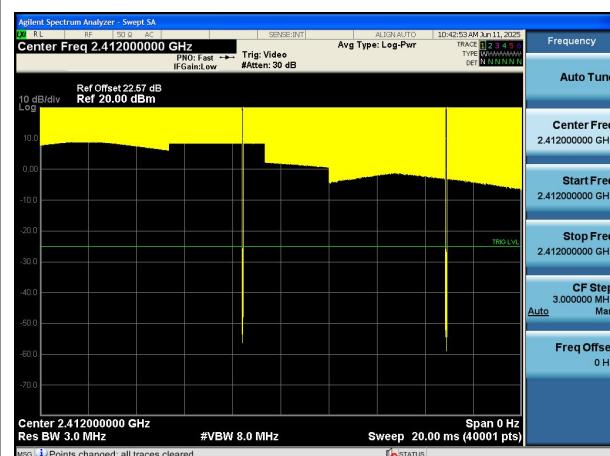


Fig.1

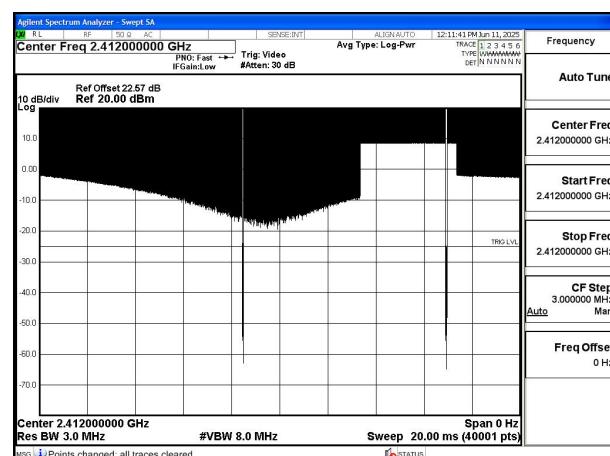


Fig.2

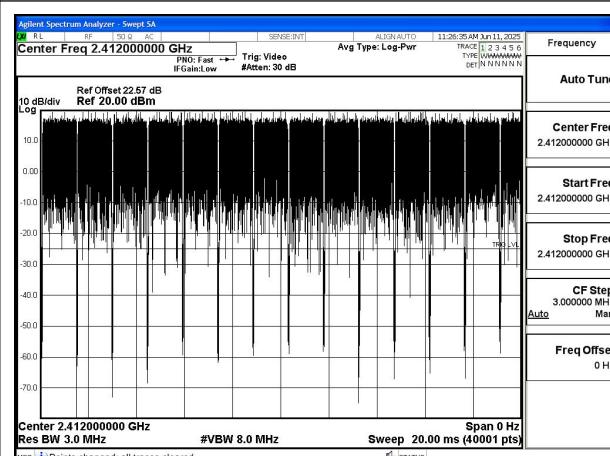


Fig.3

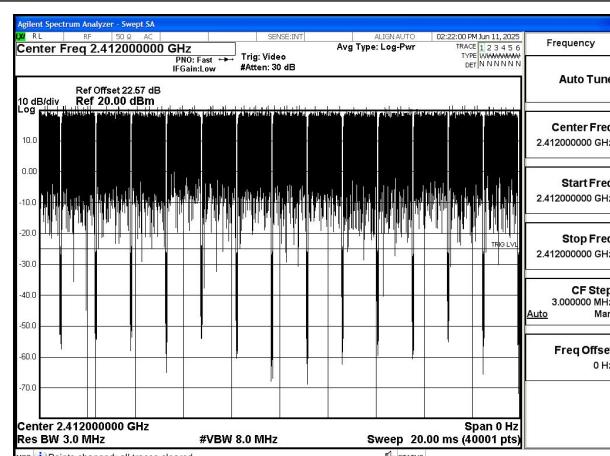


Fig.4

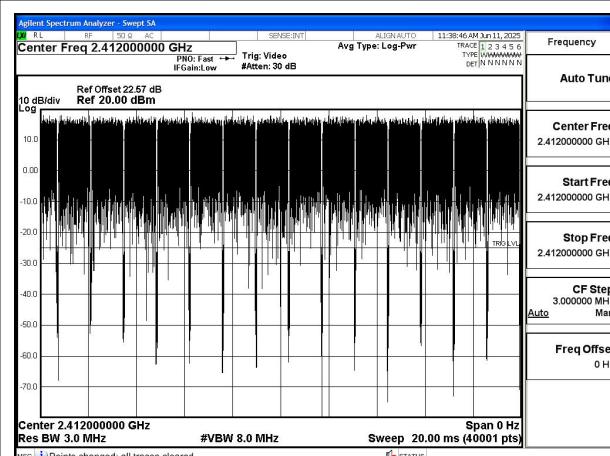


Fig.5

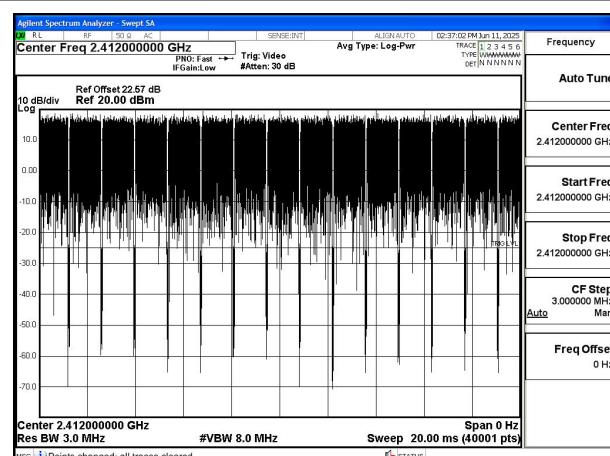


Fig.6



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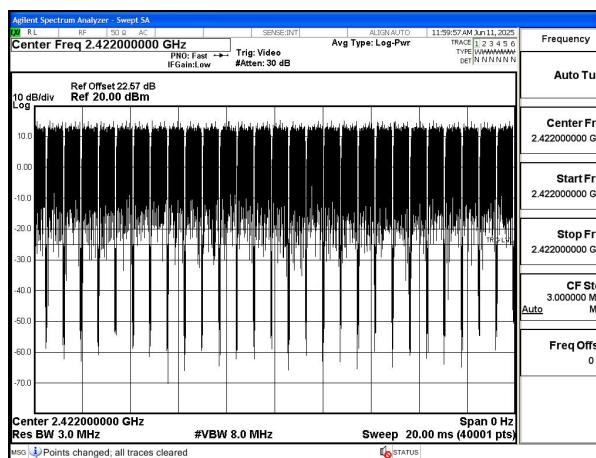


Fig.7

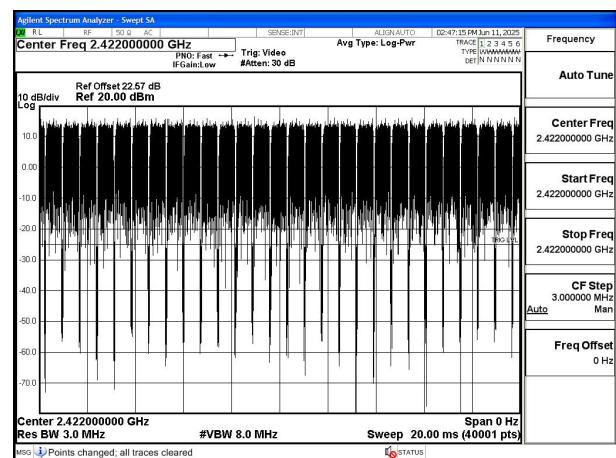


Fig.8



7 APPENDIX 2 BLE

DTS BANDWIDTH

TEST RESULT

Test Mode	Carrier frequency (MHz)	6dB Bandwidth(KHz)
GFSK (LE 1Mbps)	2402	725.7
GFSK (LE 1Mbps)	2440	735.0
GFSK (LE 1Mbps)	2480	734.4

Test Mode	Carrier frequency (MHz)	6dB Bandwidth(KHz)
GFSK (LE 2Mbps)	2402	1407.5
GFSK (LE 2Mbps)	2440	1404.9
GFSK (LE 2Mbps)	2480	1405.7

Test Mode	Carrier frequency (MHz)	6dB Bandwidth(KHz)
Coded 125K	2402	650.3
Coded 125K	2440	646.4
Coded 125K	2480	648.6

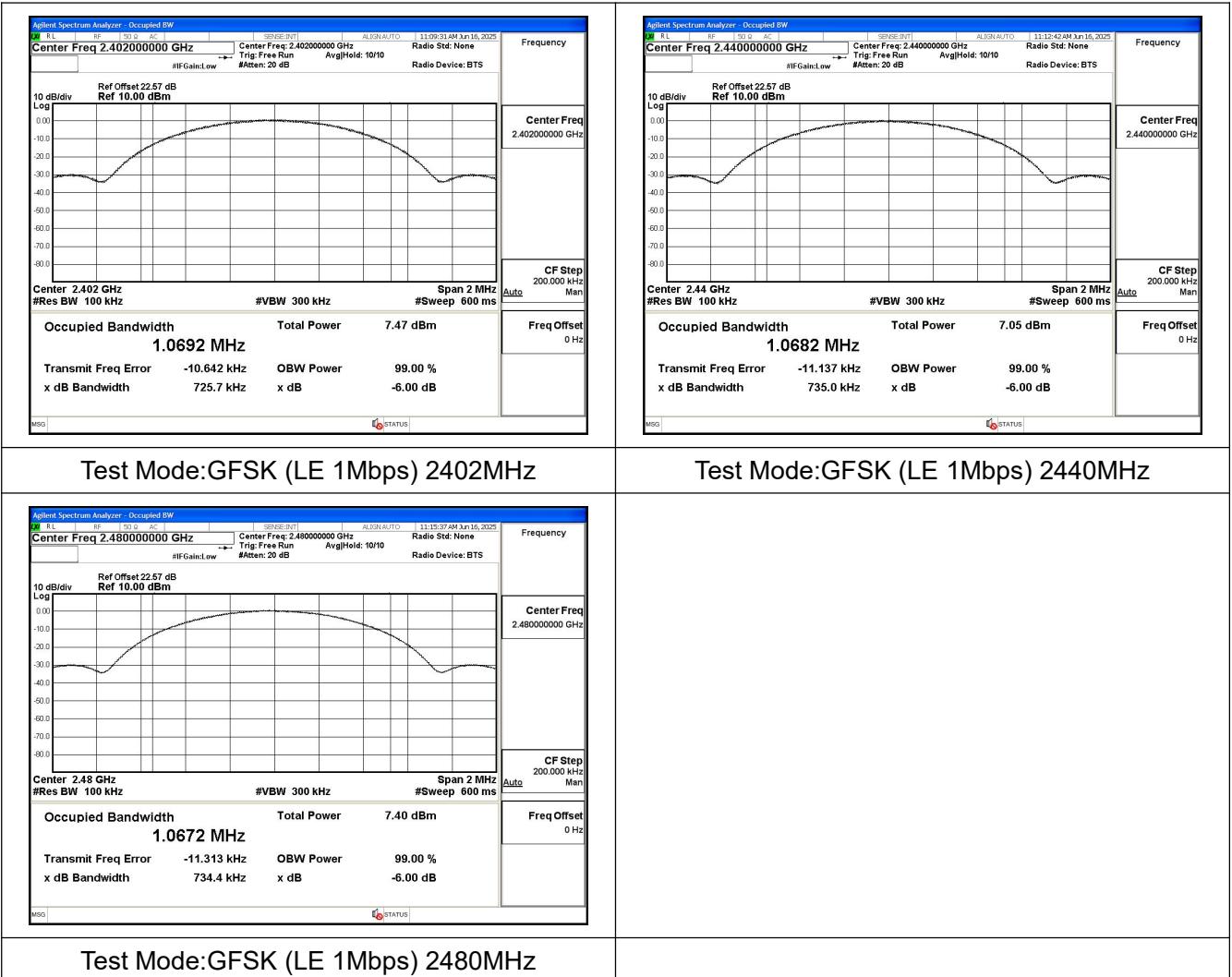
Test Mode	Carrier frequency (MHz)	6dB Bandwidth(KHz)
Coded 500K	2402	716.0
Coded 500K	2440	717.2
Coded 500K	2480	722.4

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Test Report No.: PSU-NQN2506100110RF02

TEST GRAPHS

Test Mode: GFSK (LE 1Mbps)

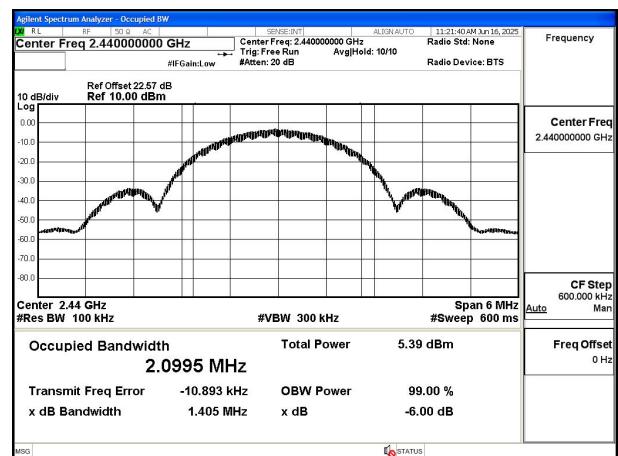
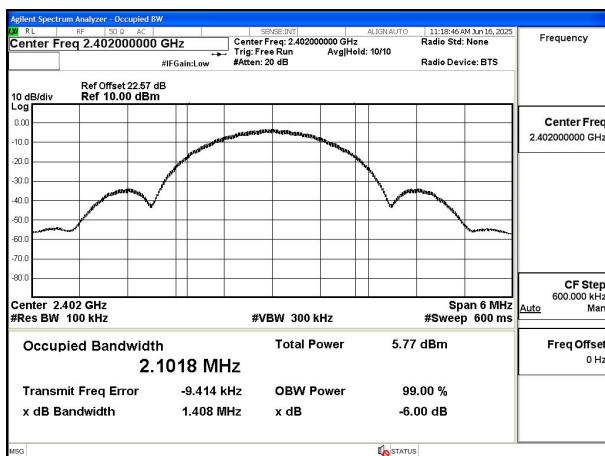




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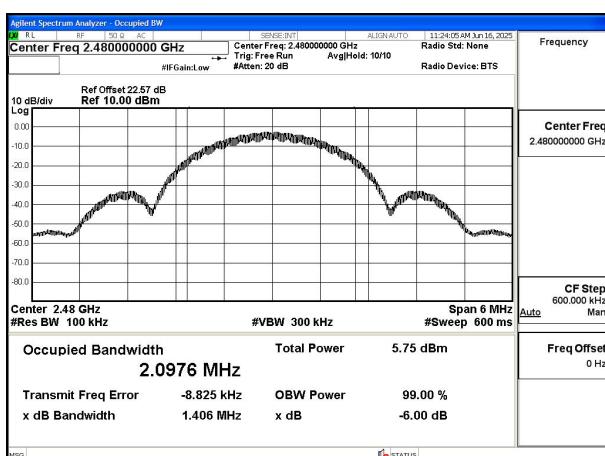
Test Report No.: PSU-NQN2506100110RF02

Test Mode: GFSK (LE 2Mbps)



Test Mode:GFSK (LE 2Mbps) 2402MHz

Test Mode:GFSK (LE 2Mbps) 2440MHz



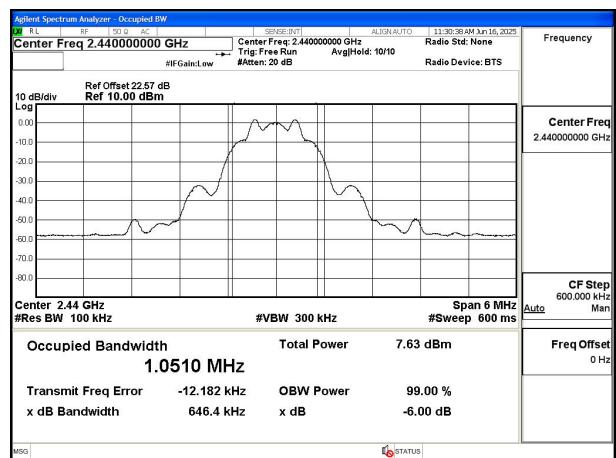
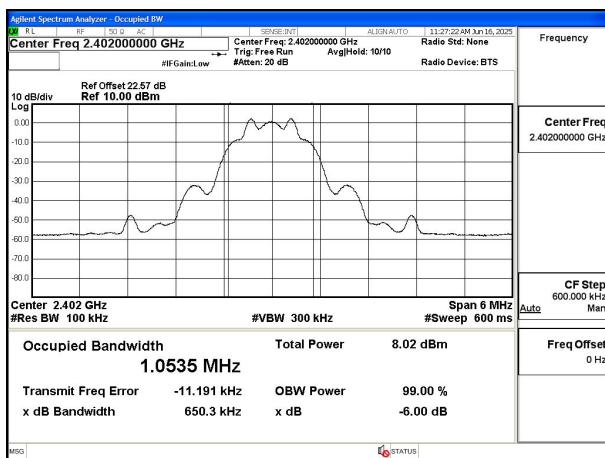
Test Mode:GFSK (LE 2Mbps) 2480MHz



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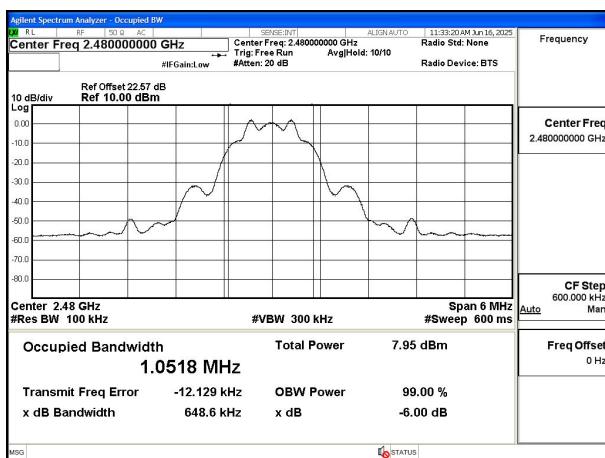
Test Report No.: PSU-NQN2506100110RF02

Test Mode: Coded 125K



Test Mode:Coded 125K 2402MHz

Test Mode:Coded 125K 2440MHz



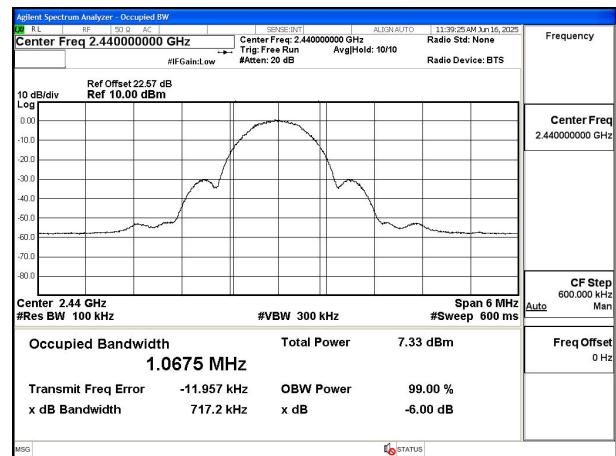
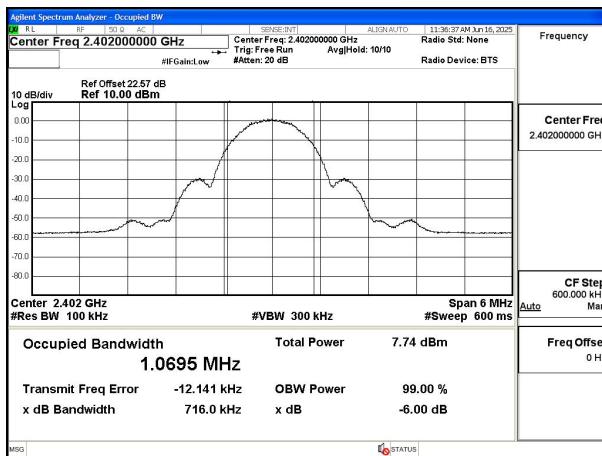
Test Mode:Coded 125K 2480MHz



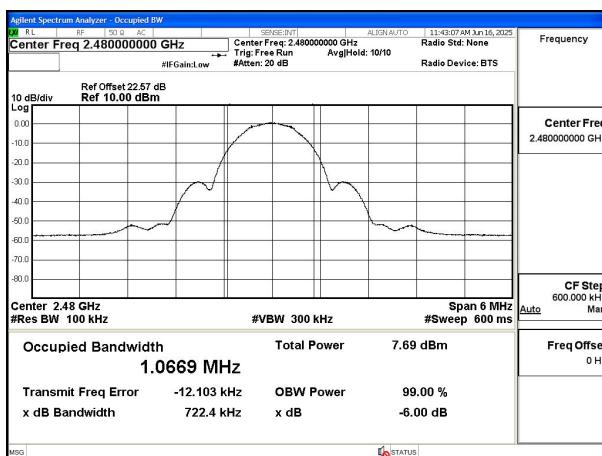
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Test Mode: Coded 500K



Test Mode: Coded 500K 2402MHz



Test Mode: Coded 500K 2440MHz

Test Mode: Coded 500K 2480MHz



OCCUPIED CHANNEL BANDWIDTH

TEST RESULT

Test Mode	Carrier frequency (MHz)	99% Bandwidth(kHz)
GFSK (LE 1Mbps)	2402	1047.3
GFSK (LE 1Mbps)	2440	1046.1
GFSK (LE 1Mbps)	2480	1044.6

Test Mode	Carrier frequency (MHz)	99% Bandwidth(kHz)
GFSK (LE 2Mbps)	2402	2088.7
GFSK (LE 2Mbps)	2440	2085.9
GFSK (LE 2Mbps)	2480	2084.7

Test Mode	Carrier frequency (MHz)	99% Bandwidth(kHz)
Coded 125K	2402	1031.2
Coded 125K	2440	1029.3
Coded 125K	2480	1030.2

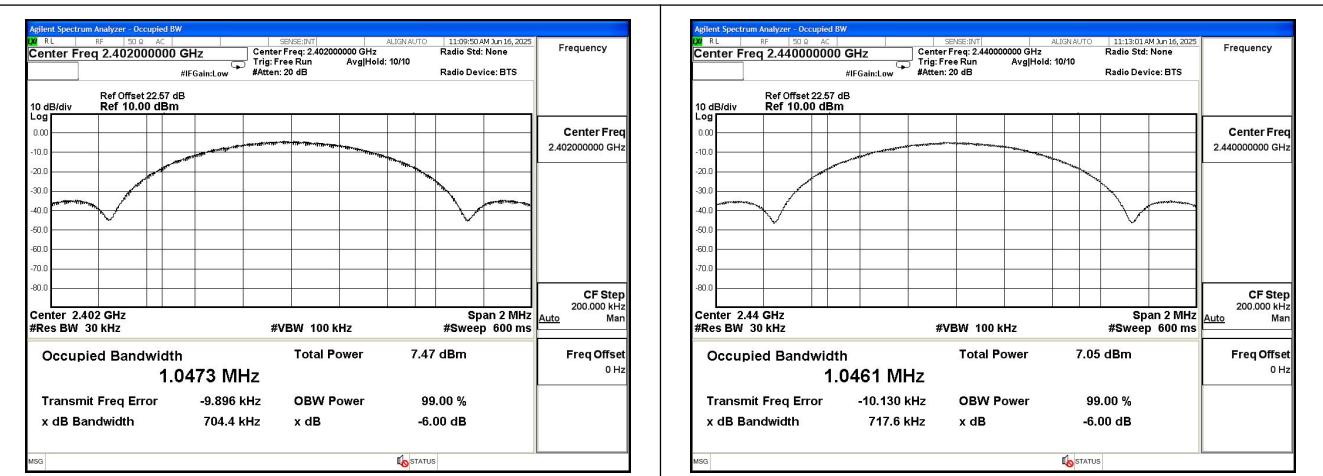
Test Mode	Carrier frequency (MHz)	99% Bandwidth(kHz)
Coded 500K	2402	1045.8
Coded 500K	2440	1044.5
Coded 500K	2480	1043.9

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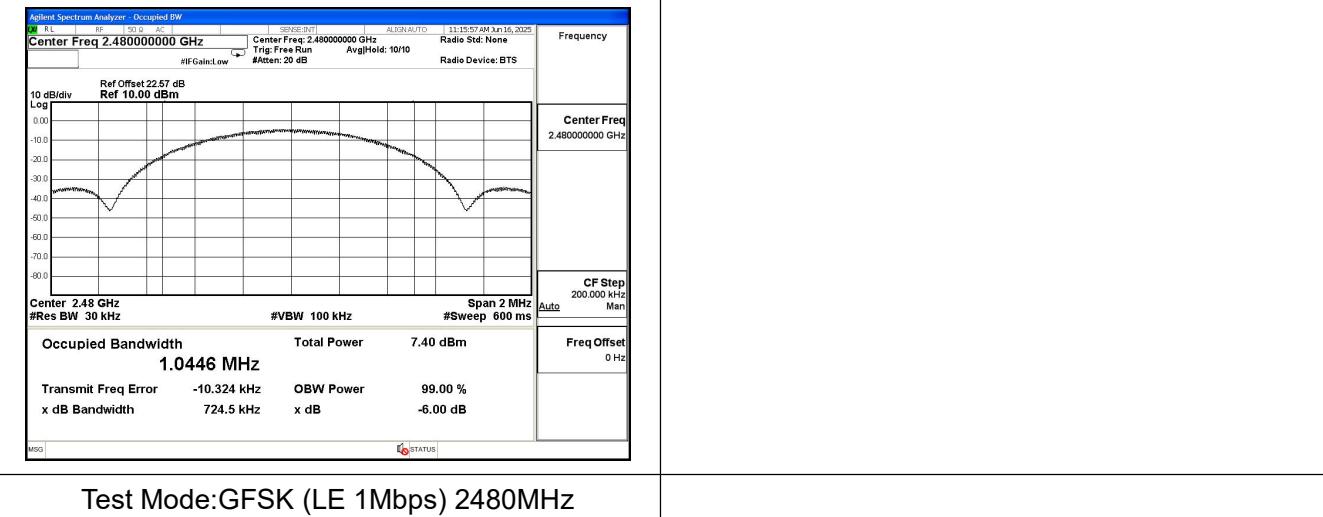
TEST GRAPHS

Test Mode: GFSK (LE 1Mbps)



Test Mode: GFSK (LE 1Mbps) 2402MHz

Test Mode: GFSK (LE 1Mbps) 2440MHz



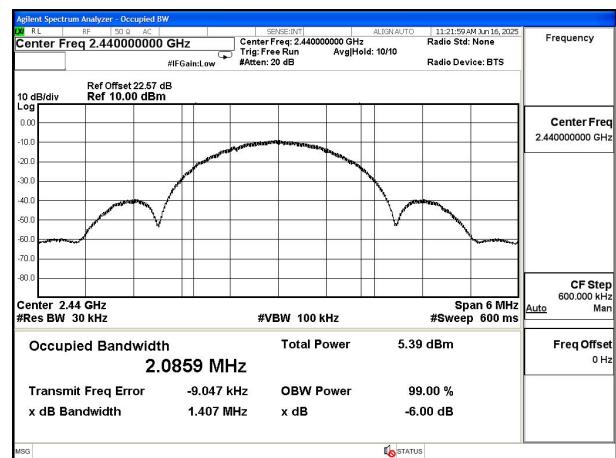
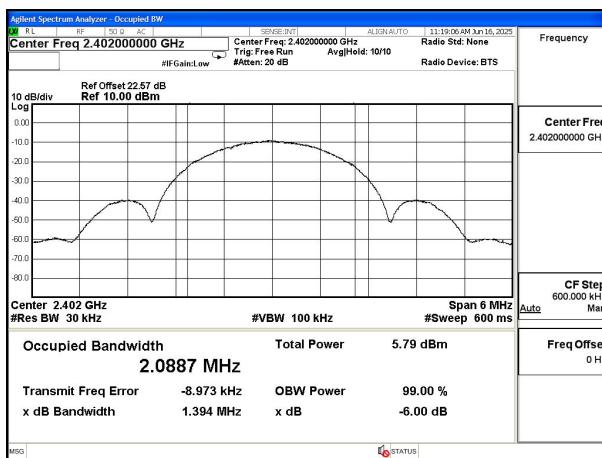
Test Mode: GFSK (LE 1Mbps) 2480MHz



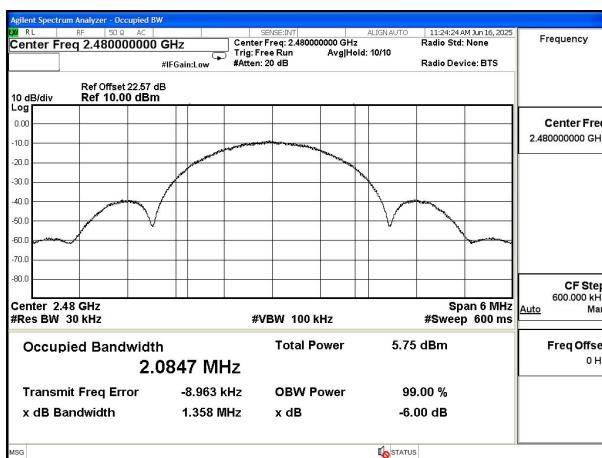
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Test Mode: GFSK (LE 2Mbps)



Test Mode: GFSK (LE 2Mbps) 2402MHz



Test Mode: GFSK (LE 2Mbps) 2440MHz

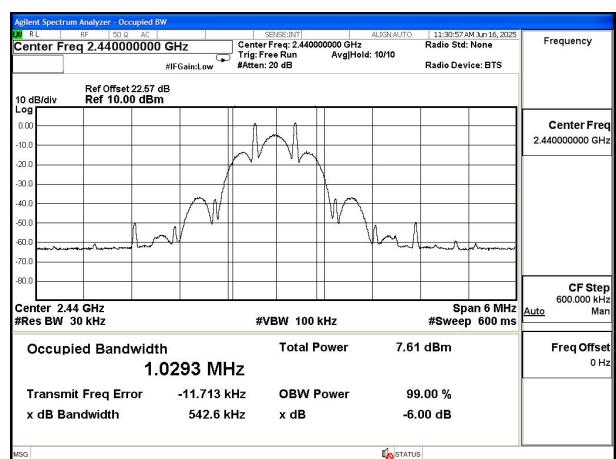
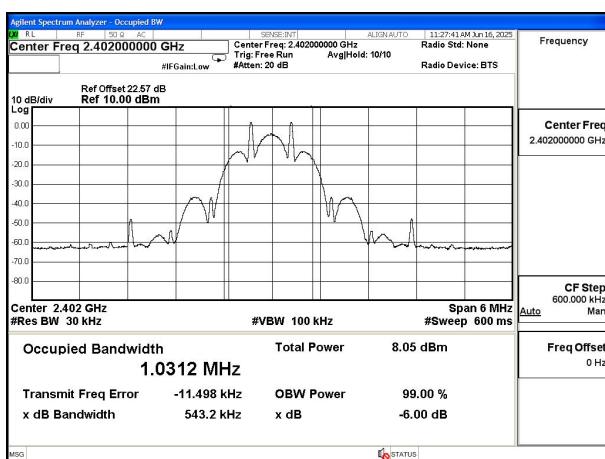
Test Mode: GFSK (LE 2Mbps) 2480MHz



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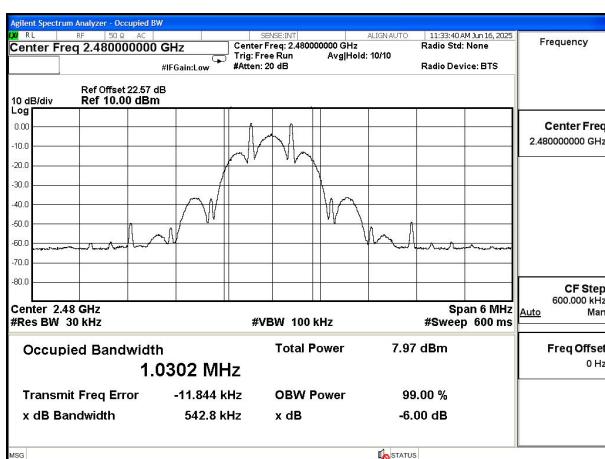
Test Report No.: PSU-NQN2506100110RF02

Test Mode: Coded 125K



Test Mode:Coded 125K 2402MHz

Test Mode:Coded 125K 2440MHz



Test Mode:Coded 125K 2480MHz