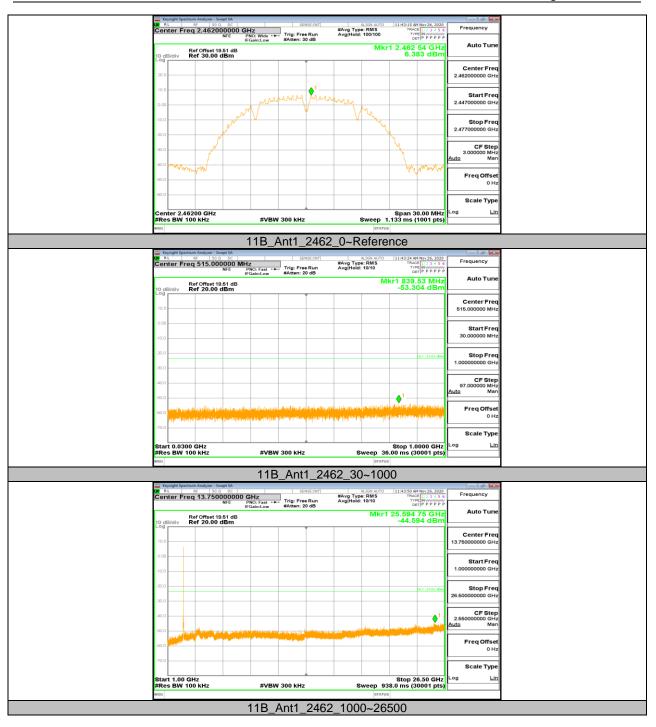


REPORT NO.: 4789708215-6 Page 118 of 137





REPORT NO.: 4789708215-6 Page 119 of 137



UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch This report shall not be reproduced except in full, without the written approval of UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch.

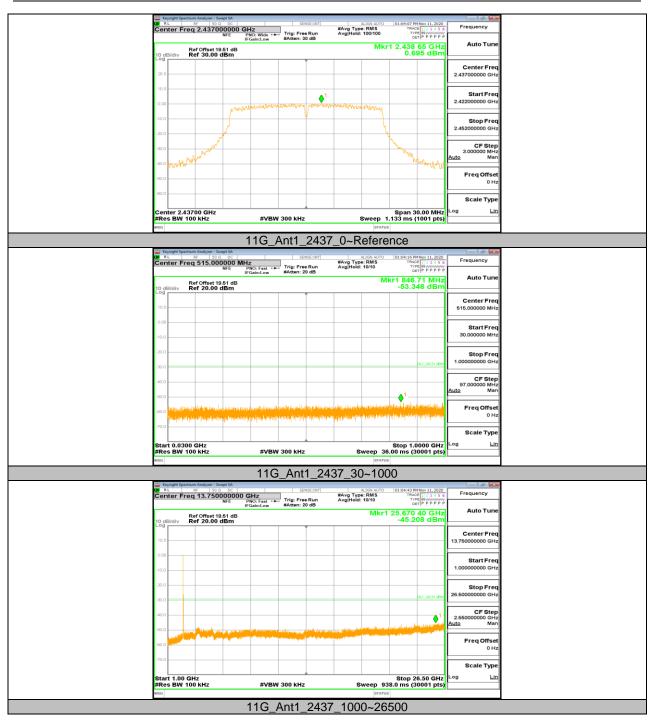


REPORT NO.: 4789708215-6 Page 120 of 137





REPORT NO.: 4789708215-6 Page 121 of 137



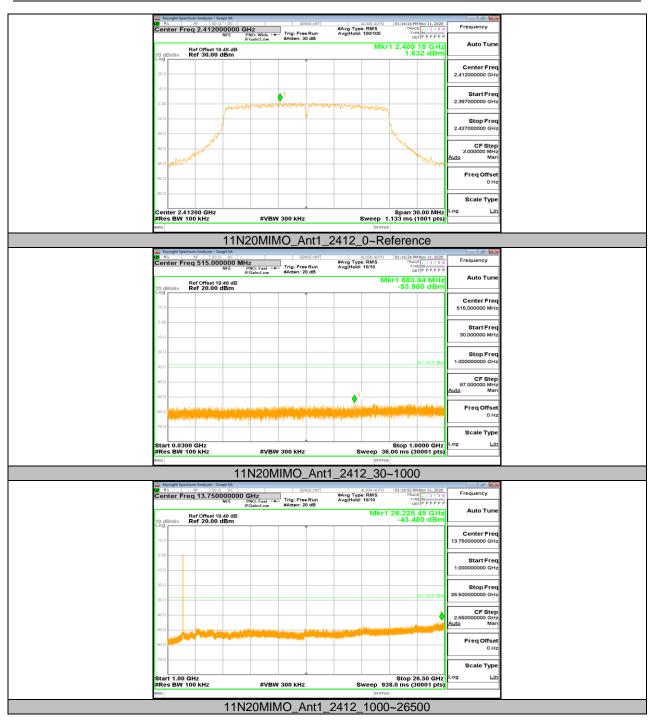


REPORT NO.: 4789708215-6 Page 122 of 137





REPORT NO.: 4789708215-6 Page 123 of 137



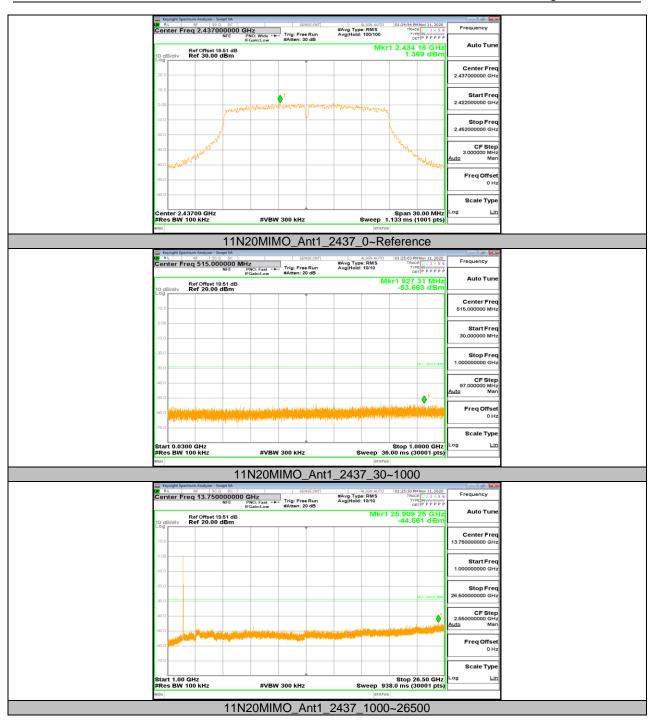


REPORT NO.: 4789708215-6 Page 124 of 137



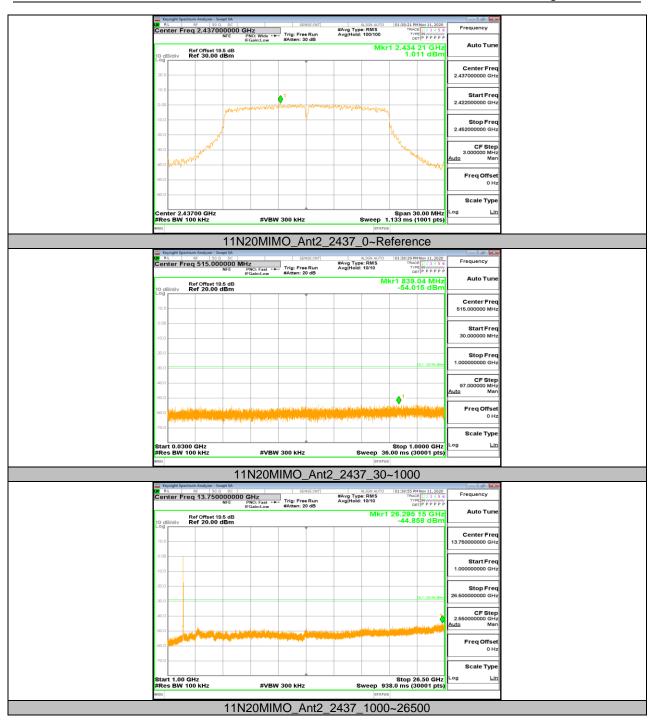


REPORT NO.: 4789708215-6 Page 125 of 137





REPORT NO.: 4789708215-6 Page 126 of 137



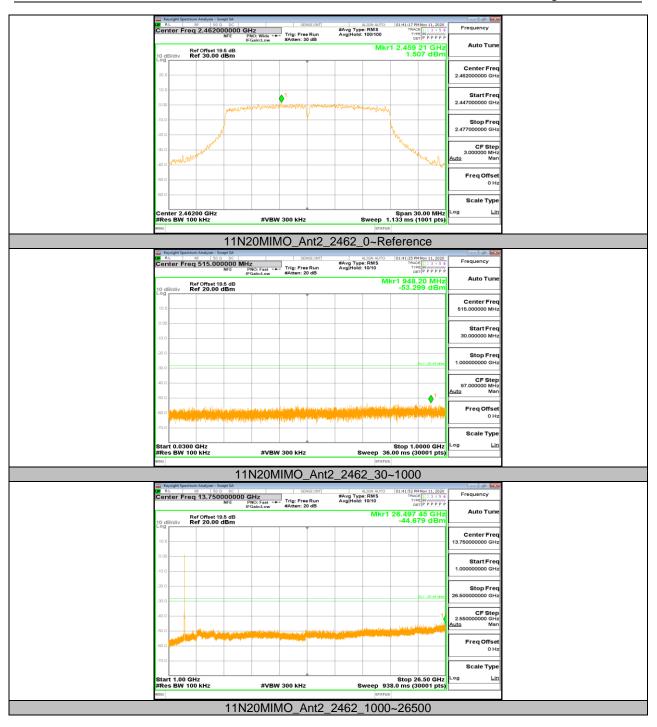


REPORT NO.: 4789708215-6 Page 127 of 137



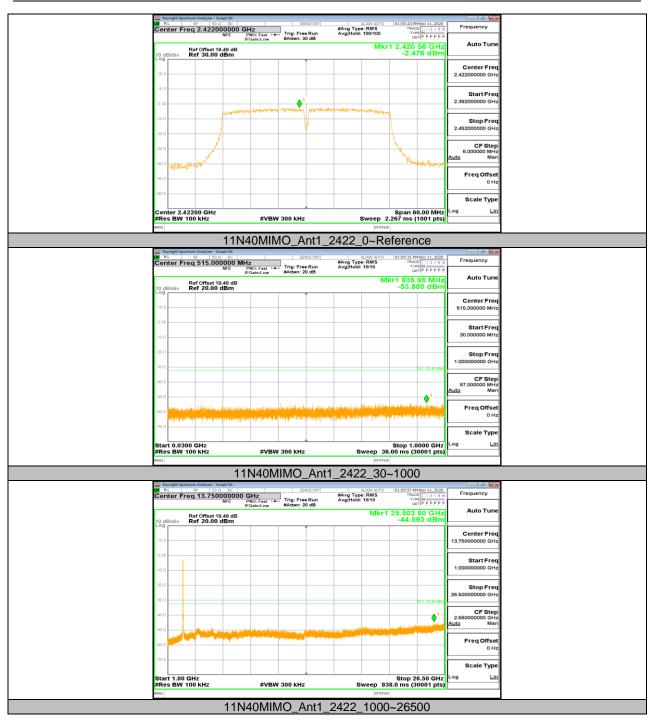


REPORT NO.: 4789708215-6 Page 128 of 137



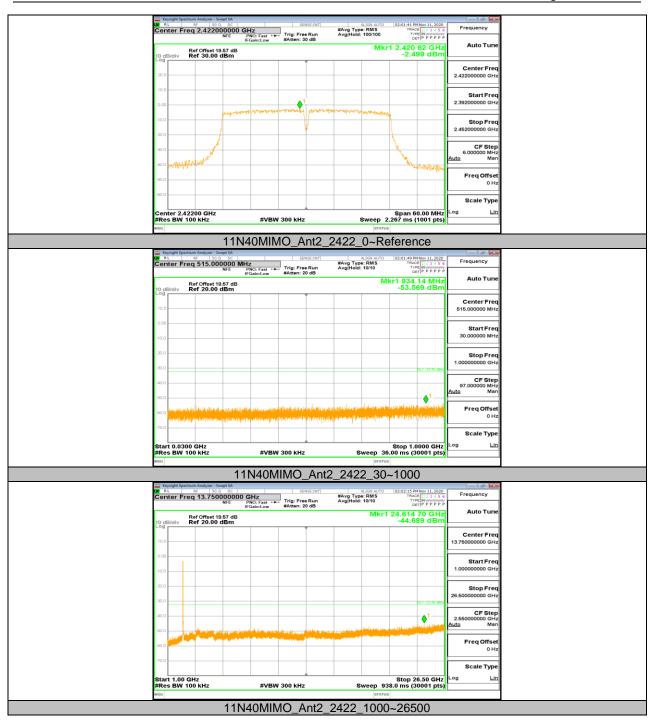


REPORT NO.: 4789708215-6 Page 129 of 137



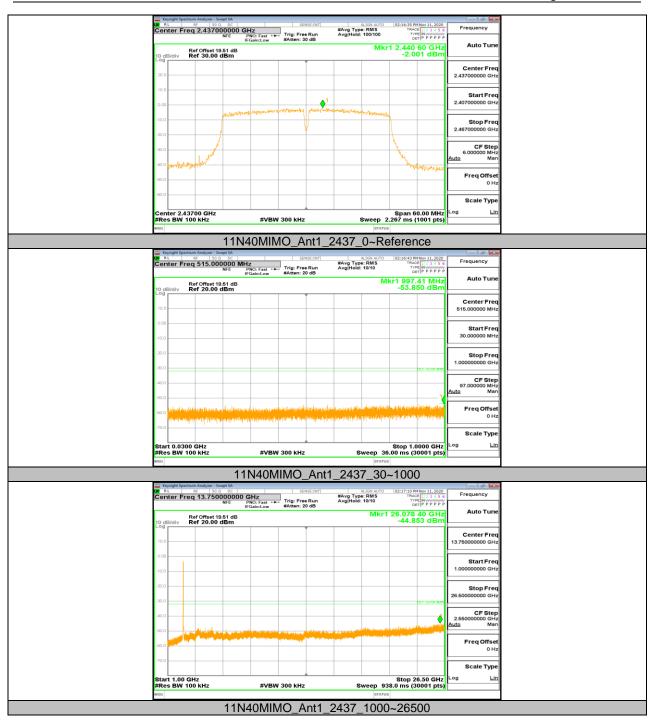


REPORT NO.: 4789708215-6 Page 130 of 137

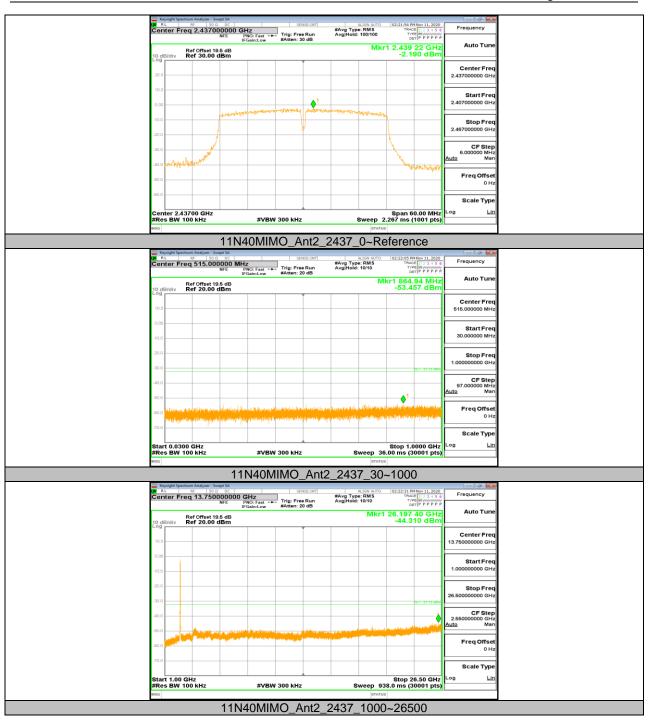




REPORT NO.: 4789708215-6 Page 131 of 137



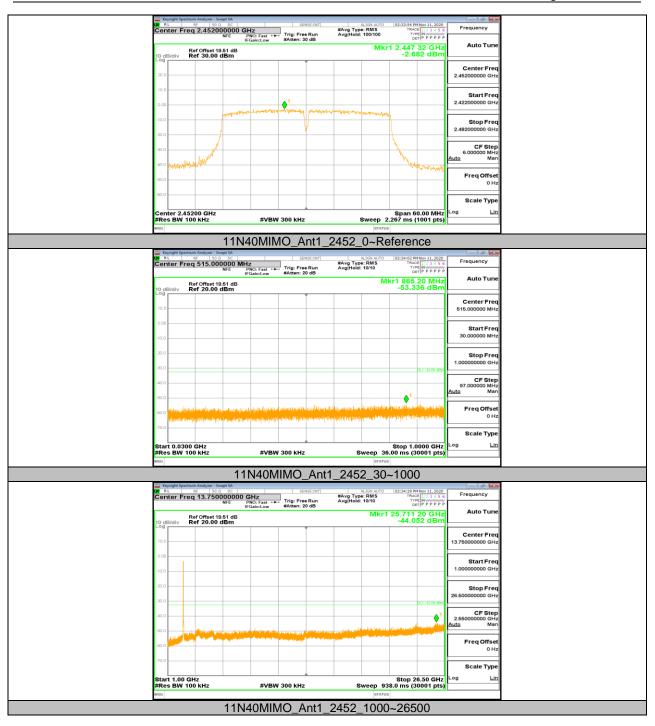




UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch This report shall not be reproduced except in full, without the written approval of UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch.

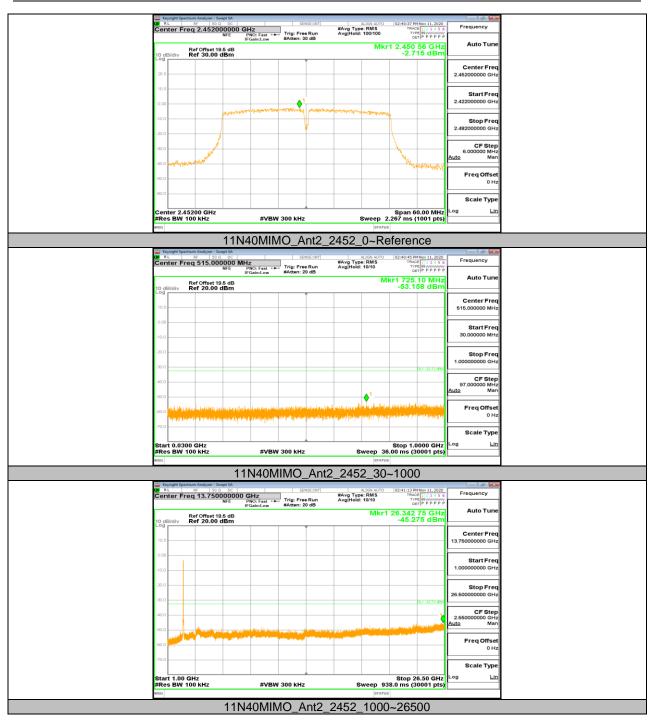


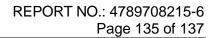
REPORT NO.: 4789708215-6 Page 133 of 137





REPORT NO.: 4789708215-6 Page 134 of 137







Appendix G: Duty Cycle Test Result

Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11B	100.1	100.1	1	100	0	0.01	0.01
11G	100.1	100.1	1	100	0	0.01	0.01
11N20MIMO	100.1	100.1	1	100	0	0.01	0.01
11N40MIMO	100.1	100.1	1	100	0	0.01	0.01

Note:

Duty Cycle Correction Factor=10log (1/x).

Where: x is Duty Cycle (Linear)

Where: T is On Time

If that calculated VBW is not available on the analyzer then the next higher value should be used.



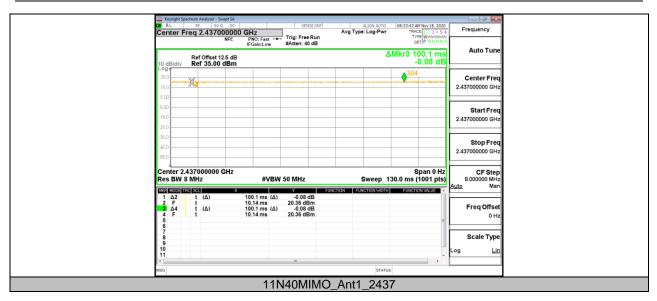
Test Graphs

Keysight Spectrum Analyzer - Swept SA	
CO RL RE 50.0 DC SENSE:INT ALIGN AUTO 08:29:43 AM Nov 18, 2020	Frequency
Center Freq 2.437000000 GHz NFE PN0: Fast → Trig: Free Run FrGain.cow #Atten: 40 dB DET P10: NN N	
Ref Offset 12.5 dB ΔMkr3 100.1 ms	Auto Tune
10 dB/div Ref 35.00 dBm -2.36 dB	
	Center Freq
160	2.437000000 GHz
5.00	Start Freq
15.0	2.437000000 GHz
-35.0	
45.0	Stop Freq 2.43700000 GHz
.65.0	2.437000000 9H2
Center 2.437000000 GHz Span 0 Hz	CF Step
Res BW 8 MHz #VBW 50 MHz Sweep 130.0 ms (1001 pts) IDER MODE TRC SCI x y FUNCTION NOTH FUNCTION NAUE	8.00000 MHz <u>Auto</u> Man
1 Δ2 1 t (Δ) 100.1 ms (Δ) -2.36 dB 2 F 1 t 11.31 ms 22.75 dBm	
Δ4 t (Δ) 100.1 ms (Δ) -2.36 dB 4 F t t 11.31 ms 22.75 dBm	Freq Offset 0 Hz
6 7	
8	Scale Type
10	Log <u>Lin</u>
All status	<u> </u>
11B_Ant1_2437	
Koyingki Spectrum Analyzer - Snegt SA K = 8	Frequency
NFE PNC: Fast →→ Trig: FreeRun TreE IFGainLow #Atten: 40 dB Det PNN N N	
Ref Offset 12.5 dB ∆Mkr3 100.1 ms	Auto Tune
10 dB/div Ref 35.00 dBm -0.43 dB	
	Center Freq 2.43700000 GHz
500	
500	Start Freq
-15.0	2.437000000 GHz
35.0	
45.0	Stop Freq 2.43700000 GHz
65.0	
Center 2.437000000 GHz Span 0 Hz Res BW 8 MHz #VBW 50 MHz Sweep 130.0 ms (1001 pts)	CF Step 8.000000 MHz
MRRI MODELTRCI SCLI X Y FUNCTION VIDTH I FUNCTION VALUE	Auto Man
$1 \Delta 2$ 1 t (Δ) 100.1 ms (Δ) -0.43 dB 2 F 1 t 14.56 ms 22.49 dBm	Freq Offset
4 F 1 t 14.56 ms 22.49 dBm	0 Hz
6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	
8	Scale Type
10	Log <u>Lin</u>
K TATUS	L
11G_Ant1_2437	
Keysight Spectrum Analyzer - Swept SA	
Δ RL RF 50 Ω DC SENSE:INT ALIGN AUTO (06:32:11 AM Nov 16, 2020) Center Freq 2.437000000 GHz Avg Type: Log-Pwr TRACE [1] 2 3 4 5 6	Frequency
NE PRO:Fast → Builden: 40 dB DET NNNNN IFGaint.Cow #Atten: 40 dB DET NNNNN	Auto Tuno
Ref Offset 12.5 dB ΔMkr3 100.1 ms 10 dB/dlv Ref 35.00 dBm 0.60 dB	Auto Tune
25.0 	Center Freq 2.43700000 GHz
5.00	
	Start Freq
450	2.437000000 GHz
35.0	Stop Freq
45.0	2.437000000 GHz
Center 2.437000000 GHz Span 0 Hz Res BW 8 MHz #VBW 50 MHz Sweep 130.0 ms (1001 pts)	CF Step 8.000000 MHz
MORE TRC[SC] X Y FUNCTION VIDTH FUNCTION VIDTH FUNCTION VIDTH	<u>Auto</u> Man
1 Δ2 1 t (Δ) 100.1 ms (Δ) 0.60 dB 2 F 1 t 11.18 ms 24.15 dBm	Freq Offset
3 Δ4 1 t 100.1 ms (Δ) 0.60 dB 4 F 1 t 11.18 ms 24.15 dBm 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 <th7< th=""> <th7< th=""> <th7< th="" th7<=""></th7<></th7<></th7<>	0 Hz
4 F 1 t 11.18 ms 24.15 dBm 6 7 7 8 9 9	
8	Scale Type
10 11 -	Log <u>Lin</u>
KI TI KI	<u></u>
11N20MIMO_Ant1_2437	

UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch This report shall not be reproduced except in full, without the written approval of UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch.



REPORT NO.: 4789708215-6 Page 137 of 137



END OF REPORT