

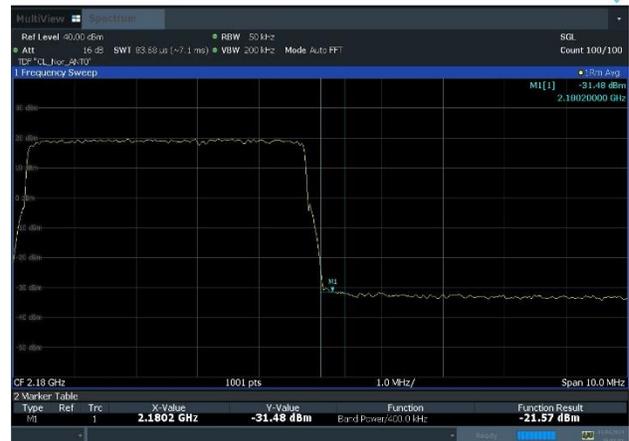
Plot 8-77. Band Edge Emission Summary Data Plot (n66/B66_3C_NR_25M+LTE_10M+NR_5M_4T_QPSK - Low Edge, Port 3)



Plot 8-78. Band Edge Emission Summary Data Plot (n66/B66_3C_NR_30M+LTE_10M+NR_5M_4T_16QAM - High Edge, Port 1)



Plot 8-79. Band Edge Emission Summary Data Plot (n66_3NC_25M+10M+5M_4T_QPSK - Low Edge, Port 0)



Plot 8-80. Band Edge Emission Summary Data Plot (n66_3NC_25M+10M+5M_4T_QPSK - High Edge, Port 0)

FCC ID: A3LRF4439D-25A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
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8.6 Spurious and Harmonic Emissions at Antenna Terminal

Test Overview

The level of the carrier and the various conducted spurious and harmonic frequencies is measured by means of a calibrated spectrum analyzer. The spectrum is scanned from the lowest frequency generated in the equipment up to a frequency including its 10th harmonic. All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

Test Procedure Used

KDB 971168 D01 v03r01 – Section 6

KDB 662911 D01 v02r01 – Section E)3) Out-of-Band and Spurious Emission Measurements

a) Absolute Emission Limits

iii) Measure and add $10 \log(N_{ANT})$ dB

ANSI C63.26-2015 – Section 5.7

Test Setting

1. Start frequency was set to 9 kHz and stop frequency was set to at least $10 \times$ the fundamental frequency excluding the frequency range of the band edge measurement.
2. RBW: Please see test notes below.
3. VBW $\geq 3 \times$ RBW
4. Detector = RMS
5. Number of sweep points $\geq 2 \times$ Span/RBW
6. Trace mode = trace average
7. Sweep time = auto couple
8. The trace was allowed to stabilize

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

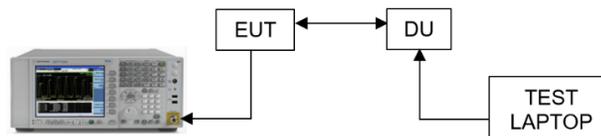


Figure 8-5. Test Instrument & Measurement Setup

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Limit

Band(n) 2 operation under Part 24

§ 24.238

(a) Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

Band(n) 66 operation under Part 27

§ 27.53

(1) General protection levels. Except as otherwise specified below, for operations in the 1695–1710 MHz, 1710–1755 MHz, 1755–1780 MHz, 1915–1920 MHz, 1995–2000 MHz, 2000–2020 MHz, 2110–2155 MHz, 2155–2180 MHz, and 2180–2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ dB.

Test Notes

1. Per Part 22, In the spectrum below 1 GHz, instrumentation should employ a reference bandwidth of 100 kHz or greater. In the 1 MHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy, provided that the measured power is integrated over the full required reference bandwidth (i.e., 100 kHz or 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power. Above 1 GHz, instrumentation should employ a reference bandwidth of 1 MHz.
2. All modes of operation were investigated and the worst configuration result plots are reported in each operating frequency band.
3. The limits were adjusted by a factor of $[-10 \cdot \log(2)]$ dB to account for the device operation as a 2 port MIMO transmitter, as per FCC KDB 622911. MIMO Factor calculation as below:
MIMO Factor = $10 \cdot \log(2) = 3.01$ dB
4. Narrower RBW parameter is applied according to Section 5.7 of ANSI C63.26-2015 for some edge channels due to improving measurement accuracy. RBW Factor calculation as below:
 - RBW Factor = $10 \cdot \log(1/0.001) = 30$ dB
 - RBW Factor = $10 \cdot \log(1/0.01) = 20$ dB
 - RBW Factor = $10 \cdot \log(1/0.1) = 10$ dB

Frequency range	Basic Limit (dBm/MHz)	MIMO Factor (dB)	References RBW (MHz)	Measurement RBW (MHz)	RBW Factor (dB)	Adjusted limit (dBm)
9 kHz to 150 kHz	-13.00	3.01	1.00	0.001	30	-46.01
150 kHz to 30 MHz				0.01	20	-36.01
30 MHz to 1 GHz				0.1	10	-26.01
1GHz to 1.929 GHz						
1.991 GHz to 2 GHz						
2 GHz to 22 GHz	1	0	-16.01			

Note: Adjusted limit (dBm/MHz) = Basic limit (dBm/1MHz) - MIMO Factor - RBW Factor

Adjusted limit for n2_2T

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Frequency range	Basic Limit (dBm/MHz)	MIMO Factor (dB)	References RBW (MHz)	Measurement RBW (MHz)	RBW Factor (dB)	Adjusted limit (dBm)
9 kHz to 150 kHz	-13.00	3.01	1.00	0.001	30	-46.01
150 kHz to 30 MHz				0.01	20	-36.01
30 MHz to 1 GHz				0.1	10	-26.01
1GHz to 2.109 GHz						
2.181 GHz to 2.2 GHz						
2.2 GHz to 22 GHz						

Note: Adjusted limit (dBm/MHz) = Basic limit (dBm/1MHz) - MIMO Factor - RBW Factor

Adjusted limit for n66_2T

- The limits were adjusted by a factor of $[-10 \cdot \log(4)]$ dB to account for the device operation as a 4 port MIMO transmitter, as per FCC KDB 622911. MIMO Factor calculation as below:
MIMO Factor = $10 \cdot \log(4) = 6.02$ dB
- Narrower RBW parameter is applied according to Section 5.7 of ANSI C63.26-2015 for some edge channels due to improving measurement accuracy. RBW Factor calculation as below:
 - RBW Factor = $10 \cdot \log(1/0.001) = 30$ dB
 - RBW Factor = $10 \cdot \log(1/0.01) = 20$ dB
 - RBW Factor = $10 \cdot \log(1/0.1) = 10$ dB

Frequency range	Basic Limit (dBm/MHz)	MIMO Factor (dB)	References RBW (MHz)	Measurement RBW (MHz)	RBW Factor (dB)	Adjusted limit (dBm)
9 kHz to 150 kHz	-13.00	6.02	1.00	0.001	30	-49.02
150 kHz to 30 MHz				0.01	20	-39.02
30 MHz to 1 GHz				0.1	10	-29.02
1GHz to 1.929 GHz						
1.991 GHz to 2 GHz						
2 GHz to 22 GHz						

Note: Adjusted limit (dBm/MHz) = Basic limit (dBm/1MHz) - MIMO Factor - RBW Factor

Adjusted limit for n2_4T

Frequency range	Basic Limit (dBm/MHz)	MIMO Factor (dB)	References RBW (MHz)	Measurement RBW (MHz)	RBW Factor (dB)	Adjusted limit (dBm)
9 kHz to 150 kHz	-13.00	6.02	1.00	0.001	30	-49.02
150 kHz to 30 MHz				0.01	20	-39.02
30 MHz to 1 GHz				0.1	10	-29.02
1GHz to 2.109 GHz						
2.181 GHz to 2.2 GHz						
2.2 GHz to 22 GHz						

Note: Adjusted limit (dBm/MHz) = Basic limit (dBm/1MHz) - MIMO Factor - RBW Factor

Adjusted limit for n66_4T

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CH	Port	Measurement Range	Level (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Low	0	9 kHz to 150 kHz	-62.56	-62.00	-62.54	-62.00	-46.01	-15.99
		150 kHz to 30 MHz	-43.44	-43.40	-43.46	-43.79	-36.01	-7.39
		30 MHz to 1 GHz	-38.42	-38.53	-38.70	-38.62	-26.01	-12.41
		1GHz to 1.929 GHz	-29.13	-29.05	-28.03	-28.66	-26.01	-2.02
		1.991 GHz to 2 GHz	-35.82	-36.20	-35.52	-35.62	-26.01	-9.51
		2 GHz to 3.2 GHz	-25.11	-25.49	-25.28	-25.27	-16.01	-9.10
		3.2 GHz to 10 GHz	-26.19	-25.78	-26.01	-26.12	-16.01	-9.77
	10 GHz to 22 GHz	-45.74	-45.68	-45.57	-45.67	-16.01	-29.56	
	1	9 kHz to 150 kHz	-62.40	-62.17	-62.18	-62.22	-46.01	-16.16
		150 kHz to 30 MHz	-43.84	-43.29	-43.74	-43.41	-36.01	-7.28
		30 MHz to 1 GHz	-38.42	-38.55	-38.43	-38.39	-26.01	-12.38
		1GHz to 1.929 GHz	-29.03	-29.55	-29.49	-30.02	-26.01	-3.02
		1.991 GHz to 2 GHz	-35.93	-36.16	-35.99	-36.05	-26.01	-9.92
		2 GHz to 3.2 GHz	-25.28	-25.29	-25.27	-25.36	-16.01	-9.26
3.2 GHz to 10 GHz		-26.26	-26.28	-26.24	-26.37	-16.01	-10.23	
10 GHz to 22 GHz	-45.71	-45.72	-45.61	-45.73	-16.01	-29.60		
Mid	0	9 kHz to 150 kHz	-62.11	-62.61	-62.05	-62.46	-46.01	-16.04
		150 kHz to 30 MHz	-43.48	-43.51	-43.28	-43.41	-36.01	-7.27
		30 MHz to 1 GHz	-38.68	-38.71	-38.62	-38.71	-26.01	-12.61
		1GHz to 1.929 GHz	-33.48	-33.92	-33.29	-33.62	-26.01	-7.28
		1.991 GHz to 2 GHz	-34.13	-34.23	-33.83	-34.93	-26.01	-7.82
		2 GHz to 3.2 GHz	-24.84	-25.09	-24.96	-25.28	-16.01	-8.83
		3.2 GHz to 10 GHz	-26.20	-26.15	-26.32	-26.17	-16.01	-10.14
	10 GHz to 22 GHz	-45.42	-45.74	-45.57	-45.67	-16.01	-29.41	
	1	9 kHz to 150 kHz	-62.11	-62.39	-62.30	-62.34	-46.01	-16.10
		150 kHz to 30 MHz	-43.68	-43.61	-43.40	-44.04	-36.01	-7.39
		30 MHz to 1 GHz	-38.48	-38.44	-38.57	-38.08	-26.01	-12.07
		1GHz to 1.929 GHz	-33.76	-34.14	-33.72	-34.16	-26.01	-7.71
		1.991 GHz to 2 GHz	-34.21	-34.35	-34.33	-35.03	-26.01	-8.20
		2 GHz to 3.2 GHz	-25.17	-25.44	-24.93	-25.16	-16.01	-8.92
3.2 GHz to 10 GHz		-26.26	-26.01	-26.31	-26.22	-16.01	-10.00	
10 GHz to 22 GHz	-45.49	-45.53	-45.75	-45.77	-16.01	-29.48		
High	0	9 kHz to 150 kHz	-62.21	-61.57	-62.21	-62.62	-46.01	-15.56
		150 kHz to 30 MHz	-43.72	-43.34	-43.51	-43.44	-36.01	-7.33
		30 MHz to 1 GHz	-38.57	-38.58	-38.53	-38.62	-26.01	-12.52
		1GHz to 1.929 GHz	-35.03	-34.75	-34.59	-35.15	-26.01	-8.58
		1.991 GHz to 2 GHz	-29.97	-29.24	-29.58	-30.41	-26.01	-3.23
		2 GHz to 3.2 GHz	-25.47	-25.37	-25.29	-25.39	-16.01	-9.28
		3.2 GHz to 10 GHz	-26.34	-26.30	-26.14	-26.22	-16.01	-10.13
	10 GHz to 22 GHz	-45.69	-45.46	-45.62	-45.46	-16.01	-29.45	
	1	9 kHz to 150 kHz	-62.33	-62.27	-62.42	-62.38	-46.01	-16.26
		150 kHz to 30 MHz	-43.61	-43.54	-43.63	-43.48	-36.01	-7.47
		30 MHz to 1 GHz	-38.60	-38.53	-38.49	-38.57	-26.01	-12.48
		1GHz to 1.929 GHz	-35.05	-34.80	-34.91	-35.38	-26.01	-8.79
		1.991 GHz to 2 GHz	-30.72	-29.99	-30.30	-30.73	-26.01	-3.98
		2 GHz to 3.2 GHz	-25.11	-25.19	-25.30	-25.16	-16.01	-9.10
3.2 GHz to 10 GHz		-26.08	-26.13	-26.18	-26.44	-16.01	-10.07	
10 GHz to 22 GHz	-45.56	-45.58	-45.67	-45.58	-16.01	-29.55		

Table 8-46. Conducted Spurious Emission Summary Data (n2_1C_25M_2T)

FCC ID: A3LRF4439D-25A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
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CH	Port	Measurement Range	Level (dBm)				Limit (dBm)	Worst Margin (dB)
			n2_2C_25M+5M_2T		n2/B2_2C_NR_25M+LTE_5M_2T			
			QPSK	QAM	QPSK	QAM		
Low	0	9 kHz to 150 kHz	-61.76	-62.20	-62.54	-61.66	-46.01	-15.65
		150 kHz to 30 MHz	-43.49	-43.49	-44.23	-43.47	-36.01	-7.46
		30 MHz to 1 GHz	-38.58	-38.52	-38.77	-38.83	-26.01	-12.51
		1GHz to 1.929 GHz	-30.21	-30.03	-29.35	-29.66	-26.01	-3.34
		1.991 GHz to 2 GHz	-35.15	-35.13	-35.40	-35.16	-26.01	-9.12
		2 GHz to 3.2 GHz	-25.44	-25.18	-25.37	-25.03	-16.01	-9.02
		3.2 GHz to 10 GHz	-26.04	-26.28	-26.37	-26.37	-16.01	-10.03
	10 GHz to 22 GHz	-45.60	-45.34	-45.87	-45.36	-16.01	-29.33	
	1	9 kHz to 150 kHz	-62.11	-62.72	-62.52	-61.83	-46.01	-15.82
		150 kHz to 30 MHz	-43.41	-43.39	-43.77	-43.93	-36.01	-7.38
		30 MHz to 1 GHz	-38.45	-38.38	-38.47	-38.43	-26.01	-12.37
		1GHz to 1.929 GHz	-30.85	-30.49	-30.77	-30.55	-26.01	-4.48
		1.991 GHz to 2 GHz	-35.34	-35.47	-35.56	-35.57	-26.01	-9.33
		2 GHz to 3.2 GHz	-24.85	-25.41	-25.23	-24.78	-16.01	-8.77
3.2 GHz to 10 GHz		-26.08	-26.18	-26.14	-25.71	-16.01	-9.70	
10 GHz to 22 GHz	-45.66	-45.51	-45.96	-45.95	-16.01	-29.50		
Mid	0	9 kHz to 150 kHz	-62.06	-61.42	-62.47	-62.55	-46.01	-15.41
		150 kHz to 30 MHz	-43.46	-43.42	-43.41	-43.42	-36.01	-7.40
		30 MHz to 1 GHz	-38.65	-38.51	-38.70	-38.53	-26.01	-12.50
		1GHz to 1.929 GHz	-33.15	-33.18	-33.99	-29.73	-26.01	-3.72
		1.991 GHz to 2 GHz	-34.43	-34.48	-34.06	-34.72	-26.01	-8.05
		2 GHz to 3.2 GHz	-25.30	-24.88	-25.17	-25.14	-16.01	-8.87
		3.2 GHz to 10 GHz	-26.30	-26.20	-26.29	-26.24	-16.01	-10.19
	10 GHz to 22 GHz	-45.54	-45.69	-45.76	-45.65	-16.01	-29.53	
	1	9 kHz to 150 kHz	-62.39	-61.09	-62.81	-62.49	-46.01	-15.08
		150 kHz to 30 MHz	-43.48	-43.35	-43.50	-43.28	-36.01	-7.27
		30 MHz to 1 GHz	-38.39	-38.39	-38.34	-38.42	-26.01	-12.33
		1GHz to 1.929 GHz	-33.62	-33.64	-33.59	-33.53	-26.01	-7.52
		1.991 GHz to 2 GHz	-34.81	-34.40	-34.67	-34.34	-26.01	-8.33
		2 GHz to 3.2 GHz	-25.26	-25.23	-25.13	-24.65	-16.01	-8.64
3.2 GHz to 10 GHz		-26.02	-26.22	-26.31	-25.95	-16.01	-9.94	
10 GHz to 22 GHz	-45.76	-45.61	-45.73	-45.84	-16.01	-29.6		
High	0	9 kHz to 150 kHz	-62.58	-61.79	-62.45	-62.35	-46.01	-15.78
		150 kHz to 30 MHz	-43.42	-43.22	-43.80	-43.49	-36.01	-7.21
		30 MHz to 1 GHz	-38.26	-38.56	-38.45	-38.57	-26.01	-12.25
		1GHz to 1.929 GHz	-34.61	-34.62	-34.92	-34.41	-26.01	-8.40
		1.991 GHz to 2 GHz	-32.11	-32.14	-31.63	-31.67	-26.01	-5.62
		2 GHz to 3.2 GHz	-25.42	-25.22	-25.28	-25.30	-16.01	-9.21
		3.2 GHz to 10 GHz	-26.30	-26.09	-26.04	-26.26	-16.01	-10.03
	10 GHz to 22 GHz	-45.46	-45.45	-45.51	-45.27	-16.01	-29.26	
	1	9 kHz to 150 kHz	-61.94	-62.69	-62.13	-62.29	-46.01	-15.93
		150 kHz to 30 MHz	-43.56	-43.32	-43.35	-43.61	-36.01	-7.31
		30 MHz to 1 GHz	-38.62	-38.54	-38.35	-38.38	-26.01	-12.34
		1GHz to 1.929 GHz	-34.66	-34.80	-34.58	-34.45	-26.01	-8.44
		1.991 GHz to 2 GHz	-31.37	-31.61	-30.02	-31.01	-26.01	-4.01
		2 GHz to 3.2 GHz	-25.14	-25.14	-24.73	-25.24	-16.01	-8.72
3.2 GHz to 10 GHz		-26.27	-26.12	-26.11	-26.06	-16.01	-10.05	
10 GHz to 22 GHz	-45.34	-45.55	-45.58	-45.77	-16.01	-29.33		

Table 8-47. Conducted Spurious Emission Summary Data (n2/B2 Multi-carrier 2T)

FCC ID: A3LRF4439D-25A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
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CH	Port	Measurement Range	Level (dBm)		Limit (dBm)	Worst Margin (dB)
			n2_2C_25M+5M_2T	n2/B2_2C_NR_25M+LTE_5M_2T		
Mid	0	9 kHz to 150 kHz	-61.91	-62.59	-46.01	-15.90
		150 kHz to 30 MHz	-43.26	-44.21	-36.01	-7.25
		30 MHz to 1 GHz	-38.85	-38.58	-26.01	-12.57
		1GHz to 1.929 GHz	-29.38	-29.00	-26.01	-2.99
		1.991 GHz to 2 GHz	-31.78	-31.92	-26.01	-5.77
		2 GHz to 3.2 GHz	-25.41	-25.56	-16.01	-9.40
		3.2 GHz to 10 GHz	-26.32	-26.37	-16.01	-10.31
	10 GHz to 22 GHz	-45.80	-45.89	-16.01	-29.79	
	1	9 kHz to 150 kHz	-62.84	-62.17	-46.01	-16.16
		150 kHz to 30 MHz	-43.53	-44.22	-36.01	-7.52
		30 MHz to 1 GHz	-38.35	-38.48	-26.01	-12.34
		1GHz to 1.929 GHz	-29.30	-28.33	-26.01	-2.32
		1.991 GHz to 2 GHz	-31.16	-31.40	-26.01	-5.15
		2 GHz to 3.2 GHz	-25.27	-25.03	-16.01	-9.02
3.2 GHz to 10 GHz		-26.22	-26.17	-16.01	-10.16	
10 GHz to 22 GHz	-45.60	-45.90	-16.01	-29.59		

Table 8-48. Conducted Spurious Emission Summary Data (n2/B2_Multi-carrier_Non-contiguous_2T)

FCC ID: A3LRF4439D-25A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
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CH	Port	Measurement Range	Level (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Low	0	9 kHz to 150 kHz	-62.81	-62.54	-62.77	-62.72	-49.02	-13.52
		150 kHz to 30 MHz	-43.44	-43.14	-43.55	-43.34	-39.02	-4.12
		30 MHz to 1 GHz	-38.71	-38.55	-38.46	-38.62	-29.02	-9.44
		1GHz to 1.929 GHz	-33.24	-32.48	-32.51	-32.41	-29.02	-3.39
		1.991 GHz to 2 GHz	-35.98	-36.11	-36.23	-36.21	-29.02	-6.96
		2 GHz to 3.2 GHz	-26.41	-26.93	-26.69	-26.64	-19.02	-7.39
		3.2 GHz to 10 GHz	-27.31	-27.39	-27.21	-27.30	-19.02	-8.19
	10 GHz to 22 GHz	-45.64	-45.61	-45.71	-45.73	-19.02	-26.59	
	1	9 kHz to 150 kHz	-62.20	-61.81	-62.98	-62.52	-49.02	-12.79
		150 kHz to 30 MHz	-43.60	-43.13	-43.61	-43.49	-39.02	-4.11
		30 MHz to 1 GHz	-38.17	-38.35	-38.48	-38.20	-29.02	-9.15
		1GHz to 1.929 GHz	-32.61	-32.99	-32.97	-32.76	-29.02	-3.59
		1.991 GHz to 2 GHz	-36.28	-36.52	-36.38	-36.28	-29.02	-7.26
		2 GHz to 3.2 GHz	-26.48	-26.68	-26.73	-25.92	-19.02	-6.90
		3.2 GHz to 10 GHz	-27.41	-27.28	-27.41	-27.21	-19.02	-8.19
	10 GHz to 22 GHz	-45.79	-45.61	-45.91	-45.91	-19.02	-26.59	
	2	9 kHz to 150 kHz	-62.93	-62.02	-62.38	-62.48	-49.02	-13.00
		150 kHz to 30 MHz	-43.66	-43.84	-43.52	-43.55	-39.02	-4.50
		30 MHz to 1 GHz	-38.82	-38.76	-38.81	-38.69	-29.02	-9.67
		1GHz to 1.929 GHz	-30.64	-31.31	-30.85	-31.80	-29.02	-1.62
		1.991 GHz to 2 GHz	-35.96	-36.45	-36.43	-36.53	-29.02	-6.94
		2 GHz to 3.2 GHz	-26.94	-26.57	-26.87	-26.82	-19.02	-7.55
		3.2 GHz to 10 GHz	-26.80	-26.85	-26.82	-27.09	-19.02	-7.78
	10 GHz to 22 GHz	-45.47	-46.04	-45.83	-45.72	-19.02	-26.45	
	3	9 kHz to 150 kHz	-62.28	-62.18	-62.69	-62.98	-49.02	-13.16
		150 kHz to 30 MHz	-43.99	-43.96	-43.65	-43.63	-39.02	-4.61
		30 MHz to 1 GHz	-38.85	-38.80	-38.86	-38.86	-29.02	-9.78
		1GHz to 1.929 GHz	-30.26	-30.71	-30.67	-30.20	-29.02	-1.18
1.991 GHz to 2 GHz		-36.04	-36.50	-36.32	-36.41	-29.02	-7.02	
2 GHz to 3.2 GHz		-27.12	-27.12	-27.09	-27.19	-19.02	-8.07	
3.2 GHz to 10 GHz		-27.61	-27.80	-27.88	-27.89	-19.02	-8.59	
10 GHz to 22 GHz	-45.75	-45.67	-45.71	-45.93	-19.02	-26.65		
Mid	0	9 kHz to 150 kHz	-62.34	-62.91	-62.75	-61.81	-49.02	-12.79
		150 kHz to 30 MHz	-43.37	-43.15	-43.43	-43.56	-39.02	-4.13
		30 MHz to 1 GHz	-38.84	-38.46	-38.69	-38.42	-29.02	-9.40
		1GHz to 1.929 GHz	-34.87	-35.08	-34.70	-35.01	-29.02	-5.68
		1.991 GHz to 2 GHz	-35.43	-35.62	-35.65	-35.85	-29.02	-6.41
		2 GHz to 3.2 GHz	-26.76	-26.83	-26.48	-26.77	-19.02	-7.46
		3.2 GHz to 10 GHz	-27.36	-27.14	-27.26	-27.45	-19.02	-8.12
	10 GHz to 22 GHz	-45.80	-45.77	-45.81	-45.95	-19.02	-26.75	
	1	9 kHz to 150 kHz	-61.70	-62.30	-62.36	-61.82	-49.02	-12.68
		150 kHz to 30 MHz	-43.14	-43.62	-43.43	-43.44	-39.02	-4.12
		30 MHz to 1 GHz	-38.20	-38.56	-38.27	-38.44	-29.02	-9.18
		1GHz to 1.929 GHz	-35.15	-35.14	-34.81	-34.96	-29.02	-5.79
		1.991 GHz to 2 GHz	-35.72	-35.67	-35.07	-35.85	-29.02	-6.05
		2 GHz to 3.2 GHz	-26.65	-26.60	-26.66	-26.67	-19.02	-7.58
		3.2 GHz to 10 GHz	-27.37	-27.12	-27.37	-27.21	-19.02	-8.10
	10 GHz to 22 GHz	-45.55	-45.87	-46.01	-45.47	-19.02	-26.45	
	2	9 kHz to 150 kHz	-62.26	-62.30	-61.84	-62.44	-49.02	-12.82
		150 kHz to 30 MHz	-43.82	-43.64	-44.33	-43.50	-39.02	-4.48
		30 MHz to 1 GHz	-38.69	-38.75	-38.45	-38.65	-29.02	-9.43
		1GHz to 1.929 GHz	-34.89	-35.12	-34.97	-35.13	-29.02	-5.87
	1.991 GHz to 2 GHz	-36.14	-35.79	-35.85	-35.98	-29.02	-6.77	

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High	3	2 GHz to 3.2 GHz	-26.54	-26.59	-26.99	-26.66	-19.02	-7.52			
		3.2 GHz to 10 GHz	-27.00	-27.04	-26.94	-26.98	-19.02	-7.92			
		10 GHz to 22 GHz	-45.50	-45.82	-45.68	-45.81	-19.02	-26.48			
	0	3	9 kHz to 150 kHz	-62.25	-62.73	-62.37	-62.38	-49.02	-13.23		
			150 kHz to 30 MHz	-43.34	-43.72	-43.50	-43.89	-39.02	-4.32		
			30 MHz to 1 GHz	-38.61	-38.59	-38.71	-38.48	-29.02	-9.46		
			1GHz to 1.929 GHz	-34.85	-34.92	-35.09	-34.87	-29.02	-5.83		
			1.991 GHz to 2 GHz	-35.57	-35.78	-35.45	-35.65	-29.02	-6.43		
			2 GHz to 3.2 GHz	-26.90	-27.39	-27.06	-27.11	-19.02	-7.88		
			3.2 GHz to 10 GHz	-27.67	-27.75	-27.88	-27.59	-19.02	-8.57		
			10 GHz to 22 GHz	-45.67	-45.80	-45.79	-45.95	-19.02	-26.65		
			0	0	9 kHz to 150 kHz	-62.19	-61.67	-62.20	-62.55	-49.02	-12.65
	150 kHz to 30 MHz	-43.44			-43.44	-43.25	-43.68	-39.02	-4.23		
	30 MHz to 1 GHz	-38.50			-38.69	-38.66	-38.34	-29.02	-9.32		
	1GHz to 1.929 GHz	-35.21			-35.01	-35.28	-34.71	-29.02	-5.69		
	1.991 GHz to 2 GHz	-33.15			-33.12	-33.45	-33.54	-29.02	-4.10		
	2 GHz to 3.2 GHz	-26.73			-26.17	-26.63	-26.47	-19.02	-7.15		
	3.2 GHz to 10 GHz	-27.43			-27.25	-27.10	-27.40	-19.02	-8.08		
	10 GHz to 22 GHz	-45.94			-45.72	-45.50	-45.77	-19.02	-26.48		
	1	1			9 kHz to 150 kHz	-62.15	-61.88	-62.13	-62.45	-49.02	-12.86
					150 kHz to 30 MHz	-43.76	-43.34	-43.65	-43.29	-39.02	-4.27
					30 MHz to 1 GHz	-38.60	-38.54	-38.48	-38.29	-29.02	-9.27
					1GHz to 1.929 GHz	-35.33	-35.22	-35.37	-35.44	-29.02	-6.20
			1.991 GHz to 2 GHz	-32.50	-32.74	-32.72	-32.44	-29.02	-3.42		
			2 GHz to 3.2 GHz	-26.57	-26.65	-26.11	-26.79	-19.02	-7.09		
			3.2 GHz to 10 GHz	-27.52	-27.01	-27.37	-27.47	-19.02	-7.99		
	2	2	10 GHz to 22 GHz	-45.75	-45.90	-45.77	-45.68	-19.02	-26.66		
			9 kHz to 150 kHz	-62.01	-62.16	-62.33	-62.22	-49.02	-12.99		
			150 kHz to 30 MHz	-43.59	-43.31	-44.05	-43.71	-39.02	-4.29		
			30 MHz to 1 GHz	-38.52	-38.74	-38.57	-38.62	-29.02	-9.50		
1GHz to 1.929 GHz			-35.66	-35.82	-35.72	-35.87	-29.02	-6.64			
1.991 GHz to 2 GHz			-32.59	-32.57	-32.68	-32.67	-29.02	-3.55			
2 GHz to 3.2 GHz			-26.71	-26.87	-26.88	-26.42	-19.02	-7.40			
3	3	3.2 GHz to 10 GHz	-27.10	-26.89	-26.72	-27.06	-19.02	-7.70			
		10 GHz to 22 GHz	-45.76	-45.82	-45.78	-45.87	-19.02	-26.74			
		9 kHz to 150 kHz	-61.89	-62.31	-62.70	-62.19	-49.02	-12.87			
		150 kHz to 30 MHz	-43.84	-43.57	-43.84	-43.93	-39.02	-4.55			
		30 MHz to 1 GHz	-38.78	-38.87	-38.78	-38.86	-29.02	-9.76			
		1GHz to 1.929 GHz	-35.67	-35.64	-35.85	-35.74	-29.02	-6.62			
		1.991 GHz to 2 GHz	-32.11	-32.45	-32.70	-32.53	-29.02	-3.09			
		2 GHz to 3.2 GHz	-26.89	-27.17	-26.63	-27.33	-19.02	-7.61			
3	3	3.2 GHz to 10 GHz	-27.67	-27.83	-27.95	-27.66	-19.02	-8.64			
		10 GHz to 22 GHz	-45.71	-45.35	-45.89	-45.75	-19.02	-26.33			

Table 8-49. Conducted Spurious Emission Summary Data (n2_1C_25M_4T)

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CH	Port	Measurement Range	Level (dBm)				Limit (dBm)	Worst Margin (dB)
			n2_2C_25M+5M_4T		n2/B2_2C_NR_25M+LTE_5M_4T			
			QPSK	QAM	QPSK	QAM		
Low	0	9 kHz to 150 kHz	-62.11	-61.94	-62.23	-62.04	-49.02	-12.92
		150 kHz to 30 MHz	-43.96	-43.74	-43.33	-43.88	-39.02	-4.31
		30 MHz to 1 GHz	-38.66	-38.55	-38.53	-38.56	-29.02	-9.51
		1GHz to 1.929 GHz	-32.52	-32.07	-32.85	-32.68	-29.02	-3.05
		1.991 GHz to 2 GHz	-35.66	-35.84	-35.62	-36.07	-29.02	-6.60
		2 GHz to 3.2 GHz	-26.67	-26.83	-26.31	-27.00	-19.02	-7.29
		3.2 GHz to 10 GHz	-27.46	-27.43	-27.33	-26.90	-19.02	-7.88
	10 GHz to 22 GHz	-45.82	-45.46	-46.05	-45.93	-19.02	-26.44	
	1	9 kHz to 150 kHz	-62.22	-62.54	-61.90	-62.02	-49.02	-12.88
		150 kHz to 30 MHz	-43.77	-43.38	-43.55	-43.57	-39.02	-4.36
		30 MHz to 1 GHz	-38.61	-38.81	-38.19	-38.42	-29.02	-9.17
		1GHz to 1.929 GHz	-32.81	-32.68	-31.27	-31.09	-29.02	-2.07
		1.991 GHz to 2 GHz	-36.02	-36.16	-35.91	-36.07	-29.02	-6.89
		2 GHz to 3.2 GHz	-26.78	-26.93	-26.47	-25.90	-19.02	-6.88
		3.2 GHz to 10 GHz	-27.10	-27.44	-27.28	-27.24	-19.02	-8.08
	10 GHz to 22 GHz	-45.81	-45.87	-45.84	-46.01	-19.02	-26.79	
	2	9 kHz to 150 kHz	-62.41	-62.32	-62.53	-62.58	-49.02	-13.30
		150 kHz to 30 MHz	-43.93	-43.67	-43.38	-43.69	-39.02	-4.36
		30 MHz to 1 GHz	-38.83	-38.59	-38.65	-38.66	-29.02	-9.57
		1GHz to 1.929 GHz	-30.42	-30.90	-30.76	-30.59	-29.02	-1.40
		1.991 GHz to 2 GHz	-35.65	-35.37	-35.51	-35.69	-29.02	-6.35
		2 GHz to 3.2 GHz	-26.69	-26.41	-26.42	-26.71	-19.02	-7.39
		3.2 GHz to 10 GHz	-26.85	-27.00	-27.11	-27.05	-19.02	-7.83
	10 GHz to 22 GHz	-45.91	-45.96	-45.64	-45.88	-19.02	-26.62	
3	9 kHz to 150 kHz	-62.16	-62.11	-62.50	-62.56	-49.02	-13.09	
	150 kHz to 30 MHz	-43.97	-43.58	-43.65	-44.14	-39.02	-4.56	
	30 MHz to 1 GHz	-38.87	-39.08	-38.85	-38.78	-29.02	-9.76	
	1GHz to 1.929 GHz	-30.24	-30.35	-30.86	-30.47	-29.02	-1.22	
	1.991 GHz to 2 GHz	-35.72	-35.57	-35.56	-35.93	-29.02	-6.54	
	2 GHz to 3.2 GHz	-27.14	-26.96	-26.86	-27.11	-19.02	-7.84	
	3.2 GHz to 10 GHz	-27.95	-27.93	-27.62	-27.86	-19.02	-8.60	
10 GHz to 22 GHz	-45.72	-45.84	-45.49	-45.97	-19.02	-26.47		
Mid	0	9 kHz to 150 kHz	-62.47	-62.28	-61.87	-62.27	-49.02	-12.85
		150 kHz to 30 MHz	-43.96	-43.77	-43.18	-44.97	-39.02	-4.16
		30 MHz to 1 GHz	-38.58	-38.62	-38.36	-38.42	-29.02	-9.34
		1GHz to 1.929 GHz	-34.52	-34.04	-34.44	-34.30	-29.02	-5.02
		1.991 GHz to 2 GHz	-35.30	-34.90	-35.39	-35.44	-29.02	-5.88
		2 GHz to 3.2 GHz	-26.39	-26.78	-26.88	-26.57	-19.02	-7.37
		3.2 GHz to 10 GHz	-27.32	-27.18	-27.14	-27.25	-19.02	-8.12
	10 GHz to 22 GHz	-45.80	-45.83	-45.56	-45.81	-19.02	-26.54	
	1	9 kHz to 150 kHz	-62.12	-61.51	-62.11	-61.99	-49.02	-12.49
		150 kHz to 30 MHz	-43.92	-43.64	-43.46	-45.09	-39.02	-4.44
		30 MHz to 1 GHz	-38.40	-38.60	-38.40	-38.52	-29.02	-9.38
		1GHz to 1.929 GHz	-34.24	-34.29	-33.83	-34.22	-29.02	-4.81
		1.991 GHz to 2 GHz	-34.85	-34.78	-34.77	-34.62	-29.02	-5.60
		2 GHz to 3.2 GHz	-26.81	-26.69	-26.90	-26.79	-19.02	-7.67
		3.2 GHz to 10 GHz	-27.50	-27.38	-27.50	-27.37	-19.02	-8.35
	10 GHz to 22 GHz	-45.77	-45.67	-45.81	-45.74	-19.02	-26.65	
	2	9 kHz to 150 kHz	-62.44	-62.30	-62.72	-62.45	-49.02	-13.28
		150 kHz to 30 MHz	-44.04	-43.70	-43.54	-44.78	-39.02	-4.52
		30 MHz to 1 GHz	-38.73	-38.51	-38.73	-38.53	-29.02	-9.49
		1GHz to 1.929 GHz	-34.34	-33.95	-34.34	-34.41	-29.02	-4.93

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High	3	1.991 GHz to 2 GHz	-34.97	-34.87	-35.12	-35.17	-29.02	-5.85				
		2 GHz to 3.2 GHz	-26.47	-26.93	-26.95	-26.72	-19.02	-7.45				
		3.2 GHz to 10 GHz	-26.95	-27.25	-26.82	-26.93	-19.02	-7.80				
		10 GHz to 22 GHz	-46.03	-46.00	-45.75	-45.81	-19.02	-26.73				
	0	3	9 kHz to 150 kHz	-62.07	-62.79	-62.76	-62.15	-49.02	-13.05			
			150 kHz to 30 MHz	-44.33	-43.56	-43.92	-44.49	-39.02	-4.54			
			30 MHz to 1 GHz	-38.91	-38.90	-38.76	-38.99	-29.02	-9.74			
			1GHz to 1.929 GHz	-33.98	-33.39	-33.35	-33.99	-29.02	-4.33			
		1	3	1.991 GHz to 2 GHz	-34.78	-34.81	-34.66	-34.60	-29.02	-5.58		
				2 GHz to 3.2 GHz	-27.16	-27.18	-27.03	-27.25	-19.02	-8.01		
			0	3.2 GHz to 10 GHz	-27.88	-27.91	-27.75	-27.88	-19.02	-8.73		
				10 GHz to 22 GHz	-45.74	-45.91	-45.96	-45.95	-19.02	-26.72		
				1	0	9 kHz to 150 kHz	-62.02	-62.42	-62.36	-62.69	-49.02	-13.00
						150 kHz to 30 MHz	-43.39	-43.75	-43.40	-43.84	-39.02	-4.37
	30 MHz to 1 GHz	-38.71	-38.49			-38.66	-38.63	-29.02	-9.47			
	1GHz to 1.929 GHz	-35.08	-34.91			-34.67	-35.41	-29.02	-5.65			
	2	0	1.991 GHz to 2 GHz		-33.34	-33.32	-33.26	-33.24	-29.02	-4.22		
			2 GHz to 3.2 GHz		-26.70	-26.27	-26.85	-26.36	-19.02	-7.25		
		1	3.2 GHz to 10 GHz		-27.29	-27.17	-27.28	-27.46	-19.02	-8.15		
			10 GHz to 22 GHz		-46.13	-45.86	-45.83	-45.87	-19.02	-26.81		
			2		1	9 kHz to 150 kHz	-61.78	-61.91	-62.33	-62.72	-49.02	-12.76
						150 kHz to 30 MHz	-43.47	-43.43	-43.48	-43.50	-39.02	-4.41
	30 MHz to 1 GHz	-38.54		-38.62		-38.15	-38.46	-29.02	-9.13			
	1GHz to 1.929 GHz	-35.01		-35.25		-35.06	-35.03	-29.02	-5.99			
	3	1.991 GHz to 2 GHz		-32.77	-32.69	-31.72	-31.17	-29.02	-2.15			
		2 GHz to 3.2 GHz		-26.70	-26.69	-24.28	-25.78	-19.02	-5.26			
	2	1	3.2 GHz to 10 GHz	-27.53	-27.38	-27.24	-27.46	-19.02	-8.22			
			10 GHz to 22 GHz	-46.06	-45.27	-45.83	-45.58	-19.02	-26.25			
2			0	9 kHz to 150 kHz	-62.43	-62.25	-62.23	-62.68	-49.02	-13.21		
				150 kHz to 30 MHz	-43.81	-43.97	-43.71	-43.76	-39.02	-4.69		
		30 MHz to 1 GHz		-38.72	-38.76	-38.73	-38.44	-29.02	-9.42			
		1GHz to 1.929 GHz		-35.15	-35.34	-35.35	-35.17	-29.02	-6.13			
		3	1.991 GHz to 2 GHz	-32.86	-32.59	-32.87	-32.90	-29.02	-3.57			
			2 GHz to 3.2 GHz	-26.80	-26.09	-26.44	-26.64	-19.02	-7.07			
3		2	3.2 GHz to 10 GHz	-27.10	-27.03	-27.09	-26.74	-19.02	-7.72			
			10 GHz to 22 GHz	-45.85	-45.53	-45.90	-45.71	-19.02	-26.51			
	3		0	9 kHz to 150 kHz	-62.29	-62.34	-62.41	-62.27	-49.02	-13.25		
				150 kHz to 30 MHz	-43.94	-44.17	-43.77	-43.91	-39.02	-4.75		
		30 MHz to 1 GHz		-38.63	-38.92	-38.57	-38.94	-29.02	-9.55			
		1GHz to 1.929 GHz		-34.95	-34.67	-35.05	-35.29	-29.02	-5.65			
		3	1.991 GHz to 2 GHz	-32.60	-31.65	-32.11	-32.43	-29.02	-2.63			
			2 GHz to 3.2 GHz	-26.73	-27.11	-26.86	-27.05	-19.02	-7.71			
	3	3	3.2 GHz to 10 GHz	-27.99	-27.90	-27.81	-27.67	-19.02	-8.65			
			10 GHz to 22 GHz	-45.76	-45.91	-45.53	-45.78	-19.02	-26.51			

Table 8-50. Conducted Spurious Emission Summary Data (n2/B2_Multi-carrier_4T)

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CH	Port	Measurement Range	Level (dBm)		Limit (dBm)	Worst Margin (dB)
			n2_2C_25M+5M_4T	n2/B2_2C_NR_25M+LTE_5M_4T		
Mid	0	9 kHz to 150 kHz	-61.88	-62.01	-49.02	-12.86
		150 kHz to 30 MHz	-43.41	-43.57	-39.02	-4.39
		30 MHz to 1 GHz	-38.67	-38.60	-29.02	-9.58
		1 GHz to 1.920 GHz	-27.56	-27.29	-19.02	-8.27
		1.920 GHz to 1.928 GHz	-33.94	-33.75	-29.02	-4.73
		1.928 GHz to 1.929 GHz	-24.42	-24.49	-19.02	-5.40
		1.991 GHz to 1.992 GHz	-24.57	-24.32	-19.02	-5.30
		1.992 GHz to 2 GHz	-33.97	-34.03	-29.02	-4.95
		2 GHz to 3.2 GHz	-26.54	-26.47	-19.02	-7.45
	3.2 GHz to 10 GHz	-27.57	-27.36	-19.02	-8.34	
	10 GHz to 22 GHz	-45.92	-46.05	-19.02	-26.90	
	1	9 kHz to 150 kHz	-62.36	-61.96	-49.02	-12.94
		150 kHz to 30 MHz	-43.32	-43.81	-39.02	-4.30
		30 MHz to 1 GHz	-38.56	-38.54	-29.02	-9.52
		1 GHz to 1.920 GHz	-24.47	-23.94	-19.02	-4.92
		1.920 GHz to 1.928 GHz	-32.34	-31.04	-29.02	-2.02
		1.928 GHz to 1.929 GHz	-22.86	-21.94	-19.02	-2.92
		1.991 GHz to 1.992 GHz	-23.05	-22.38	-19.02	-3.36
		1.992 GHz to 2 GHz	-32.52	-31.93	-29.02	-2.91
		2 GHz to 3.2 GHz	-24.60	-23.12	-19.02	-4.10
	3.2 GHz to 10 GHz	-27.19	-27.44	-19.02	-8.17	
	10 GHz to 22 GHz	-45.72	-45.93	-19.02	-26.70	
	2	9 kHz to 150 kHz	-61.71	-62.55	-49.02	-12.69
		150 kHz to 30 MHz	-43.70	-43.99	-39.02	-4.68
		30 MHz to 1 GHz	-38.66	-38.55	-29.02	-9.53
		1 GHz to 1.920 GHz	-27.88	-27.78	-19.02	-8.76
		1.920 GHz to 1.928 GHz	-30.18	-30.52	-29.02	-1.16
		1.928 GHz to 1.929 GHz	-20.22	-21.21	-19.02	-1.20
		1.991 GHz to 1.992 GHz	-21.77	-21.78	-19.02	-2.75
		1.992 GHz to 2 GHz	-31.49	-31.19	-29.02	-2.17
		2 GHz to 3.2 GHz	-26.41	-26.83	-19.02	-7.39
	3.2 GHz to 10 GHz	-27.14	-27.03	-19.02	-8.01	
	10 GHz to 22 GHz	-45.91	-45.97	-19.02	-26.89	
	3	9 kHz to 150 kHz	-62.72	-62.69	-49.02	-13.67
		150 kHz to 30 MHz	-44.10	-43.91	-39.02	-4.89
		30 MHz to 1 GHz	-38.98	-38.97	-29.02	-9.95
1 GHz to 1.920 GHz		-28.07	-28.12	-19.02	-9.05	
1.920 GHz to 1.928 GHz		-30.51	-30.52	-29.02	-1.49	
1.928 GHz to 1.929 GHz		-20.79	-21.67	-19.02	-1.77	
1.991 GHz to 1.992 GHz		-21.84	-21.44	-19.02	-2.42	
1.992 GHz to 2 GHz		-31.18	-31.14	-29.02	-2.12	
2 GHz to 3.2 GHz		-27.01	-27.24	-19.02	-7.99	
3.2 GHz to 10 GHz	-27.75	-27.70	-19.02	-8.68		
10 GHz to 22 GHz	-45.54	-45.80	-19.02	-26.52		

Table 8-51. Conducted Spurious Emission Summary Data (n2/B2_Multi-carrier_Non-contiguous_4T)

FCC ID: A3LRF4439D-25A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K24022601-00.A3L	Test Dates: 03/18/2024 - 04/29/2024	EUT Type: RRU(RF4439d)	Page 63 of 114	

CH	Port	Measurement Range	Level (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Low	0	9 kHz to 150 kHz	-62.12	-62.88	-62.14	-62.26	-46.01	-16.11
		150 kHz to 30 MHz	-43.88	-45.20	-43.36	-43.81	-36.01	-7.35
		30 MHz to 1 GHz	-38.57	-38.49	-38.49	-38.72	-26.01	-12.48
		1GHz to 2.109 GHz	-34.93	-33.82	-35.03	-34.26	-26.01	-7.81
		2.181 GHz to 2.2 GHz	-34.21	-34.40	-34.84	-34.78	-26.01	-8.20
		2.2 GHz to 3.2 GHz	-24.32	-24.69	-25.06	-25.72	-16.01	-8.31
		3.2 GHz to 10 GHz	-26.33	-26.04	-26.18	-26.25	-16.01	-10.03
	10 GHz to 22 GHz	-45.85	-45.50	-45.67	-45.59	-16.01	-29.49	
	1	9 kHz to 150 kHz	-62.38	-62.13	-62.57	-62.25	-46.01	-16.12
		150 kHz to 30 MHz	-43.69	-45.96	-43.71	-43.65	-36.01	-7.64
		30 MHz to 1 GHz	-38.43	-38.55	-38.48	-38.79	-26.01	-12.42
		1GHz to 2.109 GHz	-35.34	-34.83	-34.51	-34.58	-26.01	-8.50
		2.181 GHz to 2.2 GHz	-35.25	-35.39	-35.45	-35.82	-26.01	-9.24
		2.2 GHz to 3.2 GHz	-26.10	-26.27	-26.27	-25.96	-16.01	-9.95
3.2 GHz to 10 GHz		-26.23	-26.09	-26.05	-26.28	-16.01	-10.04	
10 GHz to 22 GHz	-45.75	-45.64	-45.61	-45.71	-16.01	-29.60		
Mid	0	9 kHz to 150 kHz	-62.15	-62.07	-61.77	-61.98	-46.01	-15.76
		150 kHz to 30 MHz	-43.64	-44.03	-43.96	-43.75	-36.01	-7.63
		30 MHz to 1 GHz	-38.58	-38.71	-38.60	-38.68	-26.01	-12.57
		1GHz to 2.109 GHz	-36.48	-36.57	-36.50	-36.70	-26.01	-10.47
		2.181 GHz to 2.2 GHz	-34.16	-34.22	-34.23	-34.80	-26.01	-8.15
		2.2 GHz to 3.2 GHz	-25.57	-25.59	-25.23	-24.53	-16.01	-8.52
		3.2 GHz to 10 GHz	-26.10	-26.05	-26.28	-26.35	-16.01	-10.04
	10 GHz to 22 GHz	-45.36	-45.43	-45.29	-45.73	-16.01	-29.28	
	1	9 kHz to 150 kHz	-62.03	-62.52	-62.54	-62.43	-46.01	-16.02
		150 kHz to 30 MHz	-43.67	-44.09	-44.06	-43.71	-36.01	-7.66
		30 MHz to 1 GHz	-38.61	-38.73	-38.76	-38.61	-26.01	-12.60
		1GHz to 2.109 GHz	-36.43	-36.51	-36.47	-36.40	-26.01	-10.39
		2.181 GHz to 2.2 GHz	-34.96	-34.04	-34.12	-34.25	-26.01	-8.03
		2.2 GHz to 3.2 GHz	-26.05	-25.27	-25.37	-25.65	-16.01	-9.26
3.2 GHz to 10 GHz		-26.31	-26.09	-26.03	-26.14	-16.01	-10.02	
10 GHz to 22 GHz	-45.75	-45.54	-45.53	-45.50	-16.01	-29.49		
High	0	9 kHz to 150 kHz	-62.66	-62.77	-62.87	-62.37	-46.01	-16.36
		150 kHz to 30 MHz	-44.21	-43.78	-43.90	-43.47	-36.01	-7.46
		30 MHz to 1 GHz	-38.59	-38.72	-38.61	-38.60	-26.01	-12.58
		1GHz to 2.109 GHz	-36.47	-36.53	-36.53	-36.32	-26.01	-10.31
		2.181 GHz to 2.2 GHz	-28.58	-29.37	-29.49	-29.90	-26.01	-2.57
		2.2 GHz to 3.2 GHz	-23.64	-23.84	-24.99	-24.36	-16.01	-7.63
		3.2 GHz to 10 GHz	-26.22	-26.13	-26.30	-26.26	-16.01	-10.12
	10 GHz to 22 GHz	-45.52	-45.68	-45.82	-45.77	-16.01	-29.51	
	1	9 kHz to 150 kHz	-62.21	-62.46	-62.48	-62.67	-46.01	-16.20
		150 kHz to 30 MHz	-43.99	-43.72	-44.05	-43.69	-36.01	-7.68
		30 MHz to 1 GHz	-38.37	-38.75	-38.68	-38.72	-26.01	-12.36
		1GHz to 2.109 GHz	-36.44	-36.56	-36.33	-36.26	-26.01	-10.25
		2.181 GHz to 2.2 GHz	-31.27	-30.39	-31.51	-30.32	-26.01	-4.31
		2.2 GHz to 3.2 GHz	-25.64	-24.78	-24.85	-24.87	-16.01	-8.77
3.2 GHz to 10 GHz		-26.14	-26.24	-26.29	-25.99	-16.01	-9.98	
10 GHz to 22 GHz	-45.77	-45.69	-45.70	-45.81	-16.01	-29.68		

Table 8-52. Conducted Spurious Emission Summary Data (n66_1C_25M_2T)

FCC ID: A3LRF4439D-25A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K24022601-00.A3L	Test Dates: 03/18/2024 - 04/29/2024	EUT Type: RRU(RF4439d)	Page 64 of 114	

CH	Port	Measurement Range	Level (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Low	0	9 kHz to 150 kHz	-62.63	-61.90	-62.05	-62.52	-46.01	-15.89
		150 kHz to 30 MHz	-43.49	-43.55	-43.47	-43.60	-36.01	-7.46
		30 MHz to 1 GHz	-38.54	-38.76	-38.72	-38.66	-26.01	-12.53
		1GHz to 2.109 GHz	-35.46	-35.08	-35.27	-35.38	-26.01	-9.07
		2.181 GHz to 2.2 GHz	-34.86	-35.01	-34.65	-34.16	-26.01	-8.15
		2.2 GHz to 3.2 GHz	-25.37	-25.18	-25.53	-25.02	-16.01	-9.01
		3.2 GHz to 10 GHz	-26.02	-26.09	-26.30	-25.99	-16.01	-9.98
	10 GHz to 22 GHz	-45.51	-45.56	-45.58	-45.65	-16.01	-29.50	
	1	9 kHz to 150 kHz	-62.31	-62.64	-62.40	-62.71	-46.01	-16.30
		150 kHz to 30 MHz	-43.59	-43.65	-43.40	-43.66	-36.01	-7.39
		30 MHz to 1 GHz	-38.59	-38.56	-38.41	-38.63	-26.01	-12.40
		1GHz to 2.109 GHz	-34.37	-32.55	-34.02	-33.75	-26.01	-6.54
		2.181 GHz to 2.2 GHz	-34.18	-35.22	-35.54	-35.62	-26.01	-8.17
		2.2 GHz to 3.2 GHz	-26.13	-26.24	-25.79	-26.06	-16.01	-9.78
3.2 GHz to 10 GHz		-26.08	-26.16	-26.14	-26.12	-16.01	-10.07	
10 GHz to 22 GHz	-45.56	-45.64	-45.58	-45.45	-16.01	-29.44		
Mid	0	9 kHz to 150 kHz	-62.50	-62.20	-62.41	-62.20	-46.01	-16.19
		150 kHz to 30 MHz	-43.98	-43.69	-43.79	-43.81	-36.01	-7.68
		30 MHz to 1 GHz	-38.70	-38.70	-38.66	-38.66	-26.01	-12.65
		1GHz to 2.109 GHz	-36.23	-36.48	-36.38	-36.49	-26.01	-10.22
		2.181 GHz to 2.2 GHz	-33.79	-33.97	-33.97	-33.83	-26.01	-7.78
		2.2 GHz to 3.2 GHz	-24.66	-25.03	-25.32	-24.99	-16.01	-8.65
		3.2 GHz to 10 GHz	-26.21	-26.03	-26.03	-26.09	-16.01	-10.02
	10 GHz to 22 GHz	-45.66	-45.63	-45.59	-45.57	-16.01	-29.56	
	1	9 kHz to 150 kHz	-62.62	-62.92	-62.61	-61.74	-46.01	-15.73
		150 kHz to 30 MHz	-43.50	-43.89	-43.62	-43.63	-36.01	-7.49
		30 MHz to 1 GHz	-38.65	-38.60	-38.60	-38.60	-26.01	-12.59
		1GHz to 2.109 GHz	-36.31	-36.48	-36.24	-36.27	-26.01	-10.23
		2.181 GHz to 2.2 GHz	-34.07	-35.13	-34.74	-34.49	-26.01	-8.06
		2.2 GHz to 3.2 GHz	-25.92	-26.21	-26.18	-26.16	-16.01	-9.91
3.2 GHz to 10 GHz		-26.16	-26.32	-26.13	-25.97	-16.01	-9.96	
10 GHz to 22 GHz	-45.55	-45.68	-45.56	-45.52	-16.01	-29.51		
High	0	9 kHz to 150 kHz	-62.68	-62.21	-62.99	-62.26	-46.01	-16.20
		150 kHz to 30 MHz	-43.55	-43.77	-43.73	-43.58	-36.01	-7.54
		30 MHz to 1 GHz	-38.72	-38.81	-38.76	-38.69	-26.01	-12.68
		1GHz to 2.109 GHz	-36.28	-36.61	-36.61	-36.16	-26.01	-10.15
		2.181 GHz to 2.2 GHz	-30.96	-29.85	-30.98	-30.31	-26.01	-3.84
		2.2 GHz to 3.2 GHz	-24.70	-24.90	-24.59	-24.70	-16.01	-8.58
		3.2 GHz to 10 GHz	-26.06	-26.25	-26.09	-26.19	-16.01	-10.05
	10 GHz to 22 GHz	-45.44	-45.50	-45.64	-45.69	-16.01	-29.43	
	1	9 kHz to 150 kHz	-62.51	-62.31	-63.11	-62.55	-46.01	-16.30
		150 kHz to 30 MHz	-43.97	-43.84	-43.91	-44.08	-36.01	-7.83
		30 MHz to 1 GHz	-38.61	-38.73	-38.32	-38.69	-26.01	-12.31
		1GHz to 2.109 GHz	-36.30	-36.41	-36.45	-36.63	-26.01	-10.29
		2.181 GHz to 2.2 GHz	-30.49	-31.52	-31.62	-31.62	-26.01	-4.48
		2.2 GHz to 3.2 GHz	-24.82	-25.36	-25.53	-25.31	-16.01	-8.81
3.2 GHz to 10 GHz		-26.20	-26.19	-26.15	-26.12	-16.01	-10.11	
10 GHz to 22 GHz	-45.48	-45.56	-45.50	-45.62	-16.01	-29.47		

Table 8-53. Conducted Spurious Emission Summary Data (n66_1C_30M_2T)

FCC ID: A3LRF4439D-25A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K24022601-00.A3L	Test Dates: 03/18/2024 - 04/29/2024	EUT Type: RRU(RF4439d)	Page 65 of 114	

CH	Port	Measurement Range	Level (dBm)						Limit (dBm)	Worst Margin (dB)
			n66_3C_25M+10M+5M_2T		n66/B66_3C_NR_25M+LTE_10M+NR_5M_2T		n66/B66_3C_NR_30M+LTE_10M+NR_5M_2T			
			QPSK	QAM	QPSK	QAM	QPSK	QAM		
Low	0	9 kHz to 150 kHz	-62.97	-62.40	-62.69	-61.54	-62.83	-62.09	-46.01	-15.53
		150 kHz to 30 MHz	-43.95	-43.90	-43.90	-43.81	-42.85	-42.68	-36.01	-6.67
		30 MHz to 1 GHz	-38.86	-38.60	-38.75	-38.68	-38.60	-38.85	-26.01	-12.59
		1GHz to 2.109 GHz	-35.01	-32.90	-34.85	-34.62	-35.76	-35.66	-26.01	-6.89
		2.181 GHz to 2.2 GHz	-31.01	-31.10	-31.86	-31.86	-32.53	-31.75	-26.01	-5.00
		2.2 GHz to 3.2 GHz	-23.40	-24.02	-23.34	-24.10	-23.76	-23.76	-16.01	-7.33
		3.2 GHz to 10 GHz	-26.21	-25.96	-26.13	-26.15	-26.24	-26.03	-16.01	-9.95
	10 GHz to 22 GHz	-45.62	-45.36	-45.66	-45.45	-45.38	-45.59	-16.01	-29.35	
	1	9 kHz to 150 kHz	-62.19	-62.46	-62.10	-62.70	-62.38	-62.65	-46.01	-16.09
		150 kHz to 30 MHz	-43.56	-43.98	-43.70	-43.68	-42.93	-42.61	-36.01	-6.60
		30 MHz to 1 GHz	-38.51	-38.63	-38.62	-38.54	-38.67	-38.17	-26.01	-12.16
		1GHz to 2.109 GHz	-32.74	-32.93	-30.60	-33.13	-31.99	-31.20	-26.01	-4.59
		2.181 GHz to 2.2 GHz	-32.27	-32.50	-32.75	-32.87	-31.26	-30.14	-26.01	-4.13
		2.2 GHz to 3.2 GHz	-25.03	-24.47	-24.65	-24.47	-23.20	-23.78	-16.01	-7.19
3.2 GHz to 10 GHz		-26.03	-26.12	-25.97	-26.30	-25.98	-26.32	-16.01	-9.96	
10 GHz to 22 GHz	-45.58	-45.58	-45.21	-45.56	-45.77	-45.40	-16.01	-29.20		
Mid	0	9 kHz to 150 kHz	-61.88	-62.68	-62.13	-62.59	-62.10	-62.57	-46.01	-15.87
		150 kHz to 30 MHz	-43.79	-44.05	-43.75	-43.46	-43.02	-42.73	-36.01	-6.72
		30 MHz to 1 GHz	-38.61	-38.55	-38.62	-38.76	-38.67	-38.43	-26.01	-12.42
		1GHz to 2.109 GHz	-36.09	-35.61	-36.19	-36.27	-36.14	-36.07	-26.01	-9.60
		2.181 GHz to 2.2 GHz	-31.73	-31.94	-31.92	-31.91	-31.68	-31.11	-26.01	-5.10
		2.2 GHz to 3.2 GHz	-23.31	-23.99	-23.30	-24.19	-23.08	-22.86	-16.01	-6.85
		3.2 GHz to 10 GHz	-26.06	-26.31	-26.17	-26.08	-26.27	-26.25	-16.01	-10.05
	10 GHz to 22 GHz	-45.64	-45.21	-45.31	-45.67	-45.58	-45.80	-16.01	-29.20	
	1	9 kHz to 150 kHz	-62.82	-62.33	-63.02	-62.53	-62.27	-62.60	-46.01	-16.26
		150 kHz to 30 MHz	-44.13	-43.82	-43.45	-43.79	-42.71	-42.52	-36.01	-6.51
		30 MHz to 1 GHz	-38.46	-38.40	-38.56	-38.62	-38.50	-38.73	-26.01	-12.39
		1GHz to 2.109 GHz	-35.26	-34.97	-34.67	-34.94	-33.78	-33.51	-26.01	-7.50
		2.181 GHz to 2.2 GHz	-32.81	-32.56	-32.58	-32.30	-31.73	-31.60	-26.01	-5.59
		2.2 GHz to 3.2 GHz	-24.53	-24.29	-24.82	-24.35	-24.22	-23.35	-16.01	-7.34
3.2 GHz to 10 GHz		-25.96	-26.10	-26.05	-25.85	-26.14	-26.17	-16.01	-9.84	
10 GHz to 22 GHz	-45.58	-45.64	-45.77	-45.74	-45.54	-45.71	-16.01	-29.53		
High	0	9 kHz to 150 kHz	-62.59	-62.25	-61.82	-62.35	-62.20	-62.56	-46.01	-15.81
		150 kHz to 30 MHz	-44.02	-43.82	-43.64	-43.85	-42.74	-42.69	-36.01	-6.68
		30 MHz to 1 GHz	-38.63	-38.51	-38.58	-38.72	-38.69	-38.67	-26.01	-12.50
		1GHz to 2.109 GHz	-36.60	-36.32	-36.50	-36.33	-36.45	-36.35	-26.01	-10.31
		2.181 GHz to 2.2 GHz	-30.75	-30.48	-30.90	-31.07	-30.87	-31.36	-26.01	-4.47
		2.2 GHz to 3.2 GHz	-22.33	-23.18	-23.07	-23.14	-22.98	-22.53	-16.01	-6.32
		3.2 GHz to 10 GHz	-26.19	-26.09	-25.99	-25.67	-26.00	-26.34	-16.01	-9.66
	10 GHz to 22 GHz	-45.58	-45.73	-45.40	-45.32	-45.66	-45.50	-16.01	-29.31	
	1	9 kHz to 150 kHz	-62.36	-61.96	-62.89	-61.50	-62.86	-62.25	-46.01	-15.49
		150 kHz to 30 MHz	-43.83	-43.69	-43.82	-43.63	-42.75	-43.00	-36.01	-6.74
		30 MHz to 1 GHz	-38.46	-38.50	-38.52	-38.48	-38.54	-38.44	-26.01	-12.43
		1GHz to 2.109 GHz	-36.35	-36.29	-36.05	-36.21	-35.51	-34.84	-26.01	-8.83
		2.181 GHz to 2.2 GHz	-30.86	-31.85	-31.89	-31.85	-30.64	-31.32	-26.01	-4.63
		2.2 GHz to 3.2 GHz	-23.63	-23.65	-23.79	-24.16	-24.14	-22.07	-16.01	-6.06
3.2 GHz to 10 GHz		-25.98	-25.86	-26.20	-26.29	-26.07	-26.18	-16.01	-9.85	
10 GHz to 22 GHz	-45.60	-45.62	-45.66	-45.65	-45.67	-45.37	-16.01	-29.36		

Table 8-54. Conducted Spurious Emission Summary Data (n66/B66_Multi-carrier_2T)

FCC ID: A3LRF4439D-25A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
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CH	Port	Measurement Range	Level (dBm)			Limit (dBm)	Worst Margin (dB)
			n66_3C_25M+10M+5M_2T	n66/B66_3C_NR_25M+LTE_10M+NR_5M_2T	n66/B66_3C_NR_30M+LTE_10M+NR_5M_2T		
			QPSK	QPSK	QPSK		
Mid	0	9 kHz to 150 kHz	-62.56	-61.74	-62.33	-46.01	-15.73
		150 kHz to 30 MHz	-44.09	-43.09	-42.74	-36.01	-6.73
		30 MHz to 1 GHz	-38.61	-38.64	-38.73	-26.01	-12.60
		1GHz to 2.108 GHz	-34.15	-34.29	-35.19	-26.01	-8.14
		2.108 GHz to 2.109 GHz	-27.43	-27.43	-27.69	-16.01	-11.42
		2.181 GHz to 2.182 GHz	-18.27	-18.94	-19.39	-16.01	-2.26
		2.182 GHz to 2.2 GHz	-27.42	-27.39	-28.29	-26.01	-1.38
		2.2 GHz to 3.2 GHz	-19.50	-18.77	-20.15	-16.01	-2.76
		3.2 GHz to 10 GHz	-26.08	-26.11	-26.23	-16.01	-10.07
	10 GHz to 22 GHz	-45.55	-45.20	-45.57	-16.01	-29.19	
	1	9 kHz to 150 kHz	-62.68	-62.83	-62.29	-46.01	-16.28
		150 kHz to 30 MHz	-43.97	-43.45	-42.56	-36.01	-6.55
		30 MHz to 1 GHz	-38.65	-38.46	-38.67	-26.01	-12.45
		1GHz to 2.109 GHz	-32.71	-30.43	-33.20	-26.01	-4.42
		2.108 GHz to 2.109 GHz	-26.27	-26.57	-26.77	-16.01	-10.26
		2.181 GHz to 2.182 GHz	-18.84	-18.92	-19.78	-16.01	-2.83
		2.182 GHz to 2.2 GHz	-28.02	-28.23	-28.11	-26.01	-2.01
		2.2 GHz to 3.2 GHz	-19.71	-19.56	-19.88	-16.01	-3.55
3.2 GHz to 10 GHz		-26.24	-26.19	-26.27	-16.01	-10.18	
10 GHz to 22 GHz	-45.40	-45.42	-45.54	-16.01	-29.39		

Table 8-55. Conducted Spurious Emission Summary Data (n66/B66_Multi-carrier_Non-contiguous_2T)

FCC ID: A3LRF4439D-25A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
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CH	Port	Measurement Range	Level (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Low	0	9 kHz to 150 kHz	-62.25	-62.40	-62.67	-62.32	-49.02	-13.23
		150 kHz to 30 MHz	-43.62	-43.74	-43.47	-43.58	-39.02	-4.45
		30 MHz to 1 GHz	-38.48	-38.84	-38.78	-38.57	-29.02	-9.46
		1GHz to 2.109 GHz	-34.38	-35.14	-34.72	-34.84	-29.02	-5.36
		2.181 GHz to 2.2 GHz	-34.02	-34.79	-34.68	-34.60	-29.02	-5.00
		2.2 GHz to 3.2 GHz	-25.48	-25.59	-25.69	-26.39	-19.02	-6.46
		3.2 GHz to 10 GHz	-27.42	-27.16	-27.33	-27.48	-19.02	-8.14
		10 GHz to 22 GHz	-45.84	-45.51	-45.91	-45.48	-19.02	-26.46
	1	9 kHz to 150 kHz	-62.27	-61.88	-61.77	-62.35	-49.02	-12.75
		150 kHz to 30 MHz	-43.56	-43.46	-43.59	-43.61	-39.02	-4.44
		30 MHz to 1 GHz	-38.43	-38.07	-38.49	-38.55	-29.02	-9.05
		1GHz to 2.109 GHz	-35.38	-35.82	-35.95	-35.77	-29.02	-6.36
		2.181 GHz to 2.2 GHz	-35.83	-36.00	-36.24	-36.30	-29.02	-6.81
		2.2 GHz to 3.2 GHz	-27.12	-27.22	-26.50	-27.61	-19.02	-7.48
		3.2 GHz to 10 GHz	-27.40	-27.20	-27.38	-27.33	-19.02	-8.18
		10 GHz to 22 GHz	-45.83	-45.73	-45.78	-45.73	-19.02	-26.71
	2	9 kHz to 150 kHz	-62.76	-62.24	-62.30	-62.39	-49.02	-13.22
		150 kHz to 30 MHz	-43.68	-44.09	-44.27	-44.00	-39.02	-4.66
		30 MHz to 1 GHz	-38.80	-38.74	-38.71	-38.81	-29.02	-9.69
		1GHz to 2.109 GHz	-34.59	-34.29	-35.90	-35.25	-29.02	-5.27
		2.181 GHz to 2.2 GHz	-35.18	-33.89	-35.43	-35.17	-29.02	-4.87
		2.2 GHz to 3.2 GHz	-26.43	-27.01	-27.28	-26.59	-19.02	-7.41
		3.2 GHz to 10 GHz	-26.92	-26.91	-26.95	-27.09	-19.02	-7.89
		10 GHz to 22 GHz	-45.69	-45.70	-45.53	-45.80	-19.02	-26.51
	3	9 kHz to 150 kHz	-62.30	-62.29	-63.04	-62.63	-49.02	-13.27
		150 kHz to 30 MHz	-44.09	-43.98	-44.04	-44.03	-39.02	-4.96
		30 MHz to 1 GHz	-38.30	-38.68	-38.85	-38.99	-29.02	-9.28
		1GHz to 2.109 GHz	-36.06	-35.49	-35.31	-35.74	-29.02	-6.29
2.181 GHz to 2.2 GHz		-34.82	-34.56	-34.86	-35.29	-29.02	-5.54	
2.2 GHz to 3.2 GHz		-26.50	-26.14	-26.85	-26.31	-19.02	-7.12	
3.2 GHz to 10 GHz		-27.65	-27.91	-27.83	-27.81	-19.02	-8.63	
10 GHz to 22 GHz		-45.89	-45.75	-45.70	-45.84	-19.02	-26.68	
Mid	0	9 kHz to 150 kHz	-62.75	-62.83	-62.62	-61.60	-49.02	-12.58
		150 kHz to 30 MHz	-43.48	-43.76	-43.75	-43.50	-39.02	-4.46
		30 MHz to 1 GHz	-38.50	-38.70	-38.67	-38.76	-29.02	-9.48
		1GHz to 2.109 GHz	-36.58	-36.58	-36.52	-36.31	-29.02	-7.29
		2.181 GHz to 2.2 GHz	-34.76	-34.57	-34.58	-34.80	-29.02	-5.55
		2.2 GHz to 3.2 GHz	-25.54	-26.36	-25.68	-26.37	-19.02	-6.52
		3.2 GHz to 10 GHz	-27.33	-27.41	-27.31	-27.33	-19.02	-8.29
		10 GHz to 22 GHz	-45.80	-45.79	-45.92	-45.85	-19.02	-26.77
	1	9 kHz to 150 kHz	-62.34	-62.60	-62.12	-62.81	-49.02	-13.10
		150 kHz to 30 MHz	-43.51	-43.86	-43.70	-43.40	-39.02	-4.38
		30 MHz to 1 GHz	-38.52	-38.45	-38.48	-38.61	-29.02	-9.43
		1GHz to 2.109 GHz	-36.36	-36.42	-36.53	-36.28	-29.02	-7.26
		2.181 GHz to 2.2 GHz	-35.64	-35.72	-35.29	-35.53	-29.02	-6.27
		2.2 GHz to 3.2 GHz	-26.51	-26.77	-26.98	-27.41	-19.02	-7.49
		3.2 GHz to 10 GHz	-27.44	-27.40	-27.36	-27.30	-19.02	-8.28
		10 GHz to 22 GHz	-45.87	-45.76	-45.76	-45.92	-19.02	-26.74
	2	9 kHz to 150 kHz	-62.49	-61.80	-61.75	-62.89	-49.02	-12.73
		150 kHz to 30 MHz	-43.69	-43.31	-43.92	-43.83	-39.02	-4.29
		30 MHz to 1 GHz	-38.53	-38.51	-38.83	-38.72	-29.02	-9.49
		1GHz to 2.109 GHz	-36.78	-36.69	-36.58	-36.57	-29.02	-7.55
		2.181 GHz to 2.2 GHz	-34.87	-35.12	-35.35	-35.09	-29.02	-5.85

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High	3	2.2 GHz to 3.2 GHz	-25.41	-26.65	-26.06	-26.52	-19.02	-6.39				
		3.2 GHz to 10 GHz	-27.05	-27.06	-27.09	-27.08	-19.02	-8.03				
		10 GHz to 22 GHz	-45.83	-45.63	-45.66	-45.78	-19.02	-26.61				
		9 kHz to 150 kHz	-62.52	-62.02	-62.95	-62.36	-49.02	-13.00				
		150 kHz to 30 MHz	-44.02	-44.03	-43.87	-43.80	-39.02	-4.78				
		30 MHz to 1 GHz	-38.88	-38.75	-38.92	-39.05	-29.02	-9.73				
		1GHz to 2.109 GHz	-36.77	-36.35	-36.71	-36.41	-29.02	-7.33				
		2.181 GHz to 2.2 GHz	-35.06	-34.36	-34.55	-34.96	-29.02	-5.34				
		2.2 GHz to 3.2 GHz	-26.37	-26.59	-26.63	-26.70	-19.02	-7.35				
	3.2 GHz to 10 GHz	-27.97	-27.86	-27.57	-27.68	-19.02	-8.55					
	10 GHz to 22 GHz	-45.81	-45.88	-45.61	-45.66	-19.02	-26.59					
	0	0	9 kHz to 150 kHz	-62.48	-62.87	-62.07	-62.43	-49.02	-13.05			
			150 kHz to 30 MHz	-43.58	-43.79	-43.61	-43.76	-39.02	-4.56			
			30 MHz to 1 GHz	-38.39	-38.67	-38.61	-38.84	-29.02	-9.37			
			1GHz to 2.109 GHz	-36.61	-36.52	-36.51	-36.25	-29.02	-7.23			
			2.181 GHz to 2.2 GHz	-30.54	-30.82	-30.97	-30.96	-29.02	-1.52			
			2.2 GHz to 3.2 GHz	-25.04	-25.25	-25.92	-25.44	-19.02	-6.02			
			3.2 GHz to 10 GHz	-27.31	-27.13	-27.51	-27.32	-19.02	-8.11			
			10 GHz to 22 GHz	-45.79	-45.76	-45.81	-45.52	-19.02	-26.50			
		1	1	9 kHz to 150 kHz	-62.80	-62.33	-62.45	-62.89	-49.02	-13.31		
				150 kHz to 30 MHz	-43.39	-43.88	-43.64	-43.93	-39.02	-4.37		
				30 MHz to 1 GHz	-38.56	-38.62	-38.51	-38.47	-29.02	-9.45		
				1GHz to 2.109 GHz	-36.59	-36.40	-36.36	-36.63	-29.02	-7.34		
				2.181 GHz to 2.2 GHz	-31.98	-31.96	-32.39	-30.95	-29.02	-1.93		
				2.2 GHz to 3.2 GHz	-26.03	-26.34	-26.68	-26.76	-19.02	-7.01		
				3.2 GHz to 10 GHz	-27.23	-27.35	-27.38	-27.44	-19.02	-8.21		
				10 GHz to 22 GHz	-45.75	-46.05	-45.55	-45.74	-19.02	-26.53		
				2	2	9 kHz to 150 kHz	-62.21	-62.52	-62.34	-62.38	-49.02	-13.19
						150 kHz to 30 MHz	-43.63	-43.66	-43.33	-44.14	-39.02	-4.31
	30 MHz to 1 GHz	-38.40	-38.80			-38.81	-38.86	-29.02	-9.38			
1GHz to 2.109 GHz	-36.71	-36.69	-36.80			-36.64	-29.02	-7.62				
2.181 GHz to 2.2 GHz	-31.48	-31.38	-31.32			-31.55	-29.02	-2.30				
2.2 GHz to 3.2 GHz	-25.56	-24.45	-25.53			-25.28	-19.02	-5.43				
3.2 GHz to 10 GHz	-26.94	-26.90	-27.21			-26.99	-19.02	-7.88				
10 GHz to 22 GHz	-45.81	-45.86	-45.82			-45.85	-19.02	-26.79				
3	3	9 kHz to 150 kHz	-62.98	-62.64	-63.15	-62.47	-49.02	-13.45				
		150 kHz to 30 MHz	-43.53	-44.01	-43.97	-43.68	-39.02	-4.51				
		30 MHz to 1 GHz	-38.70	-38.88	-38.98	-38.87	-29.02	-9.68				
		1GHz to 2.109 GHz	-36.71	-36.89	-36.88	-36.93	-29.02	-7.69				
		2.181 GHz to 2.2 GHz	-30.90	-30.94	-31.09	-30.85	-29.02	-1.83				
		2.2 GHz to 3.2 GHz	-25.68	-25.37	-25.44	-25.23	-19.02	-6.21				
		3.2 GHz to 10 GHz	-27.89	-27.78	-27.85	-27.86	-19.02	-8.76				
		10 GHz to 22 GHz	-45.44	-45.66	-45.69	-45.56	-19.02	-26.42				

Table 8-56. Conducted Spurious Emission Summary Data (n66_1C_25M_4T)

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CH	Port	Measurement Range	Level (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Low	0	9 kHz to 150 kHz	-61.82	-62.33	-62.51	-62.48	-49.02	-12.80
		150 kHz to 30 MHz	-43.92	-43.54	-43.83	-43.77	-39.02	-4.52
		30 MHz to 1 GHz	-38.60	-38.56	-38.61	-38.72	-29.02	-9.54
		1GHz to 2.109 GHz	-35.78	-35.31	-35.36	-35.37	-29.02	-6.29
		2.181 GHz to 2.2 GHz	-34.25	-34.76	-34.43	-34.68	-29.02	-5.23
		2.2 GHz to 3.2 GHz	-26.39	-26.15	-26.35	-25.86	-19.02	-6.84
		3.2 GHz to 10 GHz	-27.46	-27.53	-27.19	-27.15	-19.02	-8.13
		10 GHz to 22 GHz	-45.91	-45.79	-45.74	-45.86	-19.02	-26.72
	1	9 kHz to 150 kHz	-62.44	-62.39	-62.60	-62.07	-49.02	-13.05
		150 kHz to 30 MHz	-43.66	-43.69	-43.79	-43.65	-39.02	-4.63
		30 MHz to 1 GHz	-38.55	-38.54	-38.53	-38.44	-29.02	-9.42
		1GHz to 2.109 GHz	-36.16	-35.81	-35.86	-35.60	-29.02	-6.58
		2.181 GHz to 2.2 GHz	-35.90	-36.55	-35.93	-35.41	-29.02	-6.39
		2.2 GHz to 3.2 GHz	-27.58	-28.21	-27.82	-27.04	-19.02	-8.02
		3.2 GHz to 10 GHz	-27.32	-27.09	-27.45	-27.55	-19.02	-8.07
		10 GHz to 22 GHz	-45.98	-46.12	-45.80	-45.86	-19.02	-26.78
	2	9 kHz to 150 kHz	-62.46	-61.85	-62.14	-62.12	-49.02	-12.83
		150 kHz to 30 MHz	-43.81	-43.74	-44.30	-43.87	-39.02	-4.72
		30 MHz to 1 GHz	-38.68	-38.64	-38.86	-38.76	-29.02	-9.62
		1GHz to 2.109 GHz	-35.61	-35.37	-35.73	-35.68	-29.02	-6.35
		2.181 GHz to 2.2 GHz	-35.55	-35.65	-35.64	-32.94	-29.02	-3.92
		2.2 GHz to 3.2 GHz	-26.18	-26.94	-26.73	-26.70	-19.02	-7.16
		3.2 GHz to 10 GHz	-27.13	-26.83	-26.87	-27.05	-19.02	-7.81
		10 GHz to 22 GHz	-46.10	-45.90	-45.72	-45.79	-19.02	-26.70
	3	9 kHz to 150 kHz	-62.93	-62.55	-62.55	-63.44	-49.02	-13.53
		150 kHz to 30 MHz	-44.19	-44.06	-44.10	-44.08	-39.02	-5.04
		30 MHz to 1 GHz	-38.68	-38.79	-38.97	-39.08	-29.02	-9.66
		1GHz to 2.109 GHz	-36.08	-36.08	-36.24	-35.28	-29.02	-6.26
2.181 GHz to 2.2 GHz		-35.35	-35.39	-35.45	-34.96	-29.02	-5.94	
2.2 GHz to 3.2 GHz		-26.22	-27.41	-27.09	-26.54	-19.02	-7.20	
3.2 GHz to 10 GHz		-27.85	-27.84	-27.81	-27.85	-19.02	-8.79	
10 GHz to 22 GHz		-46.01	-45.66	-45.80	-45.75	-19.02	-26.64	
Mid	0	9 kHz to 150 kHz	-62.68	-62.83	-62.46	-62.40	-49.02	-13.38
		150 kHz to 30 MHz	-43.28	-44.19	-44.10	-43.48	-39.02	-4.26
		30 MHz to 1 GHz	-38.79	-38.53	-38.69	-38.77	-29.02	-9.51
		1GHz to 2.109 GHz	-36.21	-36.40	-36.47	-36.29	-29.02	-7.19
		2.181 GHz to 2.2 GHz	-34.32	-33.99	-33.94	-33.84	-29.02	-4.82
		2.2 GHz to 3.2 GHz	-25.40	-26.69	-25.45	-26.16	-19.02	-6.38
		3.2 GHz to 10 GHz	-27.08	-27.06	-27.14	-27.29	-19.02	-8.04
		10 GHz to 22 GHz	-45.79	-45.88	-45.88	-45.78	-19.02	-26.76
	1	9 kHz to 150 kHz	-62.41	-61.52	-62.43	-62.64	-49.02	-12.50
		150 kHz to 30 MHz	-43.97	-43.32	-43.60	-43.96	-39.02	-4.30
		30 MHz to 1 GHz	-38.54	-38.61	-38.70	-38.57	-29.02	-9.52
		1GHz to 2.109 GHz	-35.88	-36.60	-36.51	-36.44	-29.02	-6.86
		2.181 GHz to 2.2 GHz	-34.48	-36.00	-35.63	-34.71	-29.02	-5.46
		2.2 GHz to 3.2 GHz	-25.22	-27.71	-28.05	-26.55	-19.02	-6.20
		3.2 GHz to 10 GHz	-27.31	-27.62	-27.25	-27.37	-19.02	-8.23
		10 GHz to 22 GHz	-46.02	-45.69	-45.91	-45.99	-19.02	-26.67
	2	9 kHz to 150 kHz	-62.72	-62.63	-62.87	-62.41	-49.02	-13.39
		150 kHz to 30 MHz	-43.68	-44.19	-43.86	-44.02	-39.02	-4.66
		30 MHz to 1 GHz	-38.40	-38.78	-38.65	-38.84	-29.02	-9.38
		1GHz to 2.109 GHz	-36.63	-36.32	-36.51	-36.64	-29.02	-7.30
		2.181 GHz to 2.2 GHz	-35.10	-34.85	-34.32	-35.00	-29.02	-5.30

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High	3	2.2 GHz to 3.2 GHz	-26.63	-26.90	-26.98	-26.38	-19.02	-7.36			
		3.2 GHz to 10 GHz	-27.10	-26.78	-27.15	-27.08	-19.02	-7.76			
		10 GHz to 22 GHz	-45.78	-45.70	-45.83	-45.64	-19.02	-26.62			
	0	3	9 kHz to 150 kHz	-62.59	-62.57	-62.47	-62.21	-49.02	-13.19		
			150 kHz to 30 MHz	-43.85	-44.15	-44.16	-44.16	-39.02	-4.83		
			30 MHz to 1 GHz	-38.61	-38.86	-38.73	-39.03	-29.02	-9.59		
			1GHz to 2.109 GHz	-36.87	-36.82	-36.84	-37.01	-29.02	-7.80		
			2.181 GHz to 2.2 GHz	-34.70	-34.75	-34.58	-34.81	-29.02	-5.56		
			2.2 GHz to 3.2 GHz	-26.58	-27.01	-27.08	-26.58	-19.02	-7.56		
			3.2 GHz to 10 GHz	-28.01	-27.91	-27.76	-27.74	-19.02	-8.72		
			10 GHz to 22 GHz	-45.68	-45.79	-45.89	-45.62	-19.02	-26.60		
			0	0	9 kHz to 150 kHz	-62.37	-62.14	-62.36	-62.54	-49.02	-13.12
	150 kHz to 30 MHz	-43.76			-43.83	-43.97	-43.85	-39.02	-4.74		
	30 MHz to 1 GHz	-38.73			-38.70	-38.71	-38.51	-29.02	-9.49		
	1GHz to 2.109 GHz	-36.44			-36.32	-36.30	-36.49	-29.02	-7.28		
	2.181 GHz to 2.2 GHz	-30.70			-30.92	-32.12	-31.41	-29.02	-1.68		
	2.2 GHz to 3.2 GHz	-25.77			-25.55	-25.36	-24.54	-19.02	-5.52		
	3.2 GHz to 10 GHz	-27.41			-27.41	-27.46	-27.18	-19.02	-8.16		
	10 GHz to 22 GHz	-45.83			-45.81	-45.83	-45.74	-19.02	-26.72		
	1	1			9 kHz to 150 kHz	-62.07	-62.06	-62.58	-62.55	-49.02	-13.04
					150 kHz to 30 MHz	-43.68	-44.08	-44.00	-43.80	-39.02	-4.66
					30 MHz to 1 GHz	-38.62	-38.54	-38.34	-38.75	-29.02	-9.32
					1GHz to 2.109 GHz	-36.34	-36.50	-36.51	-36.15	-29.02	-7.13
			2.181 GHz to 2.2 GHz	-31.72	-32.39	-32.65	-32.67	-29.02	-2.70		
			2.2 GHz to 3.2 GHz	-26.81	-28.34	-27.47	-26.60	-19.02	-7.58		
	1	1	3.2 GHz to 10 GHz	-27.35	-27.59	-27.25	-27.47	-19.02	-8.23		
			10 GHz to 22 GHz	-45.86	-45.83	-45.75	-45.90	-19.02	-26.73		
			2	2	9 kHz to 150 kHz	-61.70	-62.04	-62.31	-61.97	-49.02	-12.68
150 kHz to 30 MHz					-43.84	-44.04	-43.99	-44.01	-39.02	-4.82	
30 MHz to 1 GHz					-38.55	-38.80	-38.69	-38.87	-29.02	-9.53	
2			2	1GHz to 2.109 GHz	-36.56	-36.67	-36.60	-36.83	-29.02	-7.54	
	2.181 GHz to 2.2 GHz	-32.40		-32.20	-31.76	-32.02	-29.02	-2.74			
	2.2 GHz to 3.2 GHz	-26.31		-26.18	-26.13	-25.99	-19.02	-6.97			
	3.2 GHz to 10 GHz	-27.08		-27.02	-27.02	-26.97	-19.02	-7.95			
	10 GHz to 22 GHz	-45.80		-45.79	-45.81	-45.79	-19.02	-26.77			
3	3	9 kHz to 150 kHz	-62.57	-62.65	-62.65	-62.31	-49.02	-13.29			
		150 kHz to 30 MHz	-43.92	-44.24	-44.30	-44.14	-39.02	-4.90			
		30 MHz to 1 GHz	-38.83	-38.89	-38.96	-38.88	-29.02	-9.81			
		1GHz to 2.109 GHz	-36.92	-37.08	-36.95	-36.85	-29.02	-7.83			
		2.181 GHz to 2.2 GHz	-30.32	-31.63	-32.06	-32.20	-29.02	-1.30			
		2.2 GHz to 3.2 GHz	-25.30	-25.58	-25.92	-25.50	-19.02	-6.28			
		3.2 GHz to 10 GHz	-27.96	-27.88	-27.91	-28.02	-19.02	-8.86			
		10 GHz to 22 GHz	-45.58	-45.58	-45.80	-45.89	-19.02	-26.56			

Table 8-57. Conducted Spurious Emission Summary Data (n66_1C_30M_4T)

FCC ID: A3LRF4439D-25A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
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CH	Port	Measurement Range	Level (dBm)						Limit (dBm)	Worst Margin (dB)
			n66_3C_25M+10M+5M_4T		n66/B66_3C_NR_25M+LTE_10M+NR_5M_4T		n66/B66_3C_NR_30M+LTE_10M+NR_5M_4T			
			QPSK	QAM	QPSK	QAM	QPSK	QAM		
Low	0	9 kHz to 150 kHz	-62.32	-62.26	-62.31	-62.31	-62.31	-62.88	-49.02	-13.24
		150 kHz to 30 MHz	-43.94	-43.76	-44.17	-43.60	-46.22	-43.93	-39.02	-4.58
		30 MHz to 1 GHz	-38.38	-38.54	-38.59	-38.65	-38.69	-38.39	-29.02	-9.36
		1GHz to 2.109 GHz	-35.94	-35.51	-35.91	-35.33	-36.06	-36.01	-29.02	-6.31
		2.181 GHz to 2.2 GHz	-33.24	-33.46	-32.85	-33.49	-33.30	-32.75	-29.02	-3.73
		2.2 GHz to 3.2 GHz	-24.74	-25.08	-24.93	-25.91	-24.62	-25.59	-19.02	-5.6
		3.2 GHz to 10 GHz	-27.57	-27.35	-27.48	-27.37	-27.15	-27.43	-19.02	-8.13
	10 GHz to 22 GHz	-45.94	-45.72	-45.44	-45.69	-45.66	-45.80	-19.02	-26.42	
	1	9 kHz to 150 kHz	-62.19	-61.10	-62.38	-62.73	-62.10	-62.33	-49.02	-12.08
		150 kHz to 30 MHz	-43.81	-43.72	-43.97	-44.05	-46.15	-44.06	-39.02	-4.70
		30 MHz to 1 GHz	-38.39	-38.46	-38.50	-38.32	-38.49	-38.10	-29.02	-9.08
		1GHz to 2.109 GHz	-35.85	-36.03	-36.01	-35.68	-36.07	-35.81	-29.02	-6.66
		2.181 GHz to 2.2 GHz	-34.11	-33.53	-34.10	-34.56	-34.14	-34.28	-29.02	-4.51
		2.2 GHz to 3.2 GHz	-26.02	-25.88	-25.61	-26.53	-25.73	-26.66	-19.02	-6.59
		3.2 GHz to 10 GHz	-27.43	-27.46	-27.28	-27.48	-27.43	-27.24	-19.02	-8.22
	10 GHz to 22 GHz	-45.84	-45.83	-45.59	-45.57	-45.87	-45.99	-19.02	-26.55	
	2	9 kHz to 150 kHz	-62.53	-62.62	-62.42	-61.38	-62.62	-62.88	-49.02	-12.36
		150 kHz to 30 MHz	-43.91	-43.65	-44.61	-43.98	-46.41	-44.00	-39.02	-4.63
		30 MHz to 1 GHz	-38.69	-38.39	-38.85	-38.88	-38.84	-38.80	-29.02	-9.37
		1GHz to 2.109 GHz	-36.09	-35.60	-35.39	-33.84	-35.45	-35.15	-29.02	-4.82
		2.181 GHz to 2.2 GHz	-33.91	-32.95	-33.74	-32.27	-33.19	-32.68	-29.02	-3.25
		2.2 GHz to 3.2 GHz	-25.63	-25.52	-25.86	-25.73	-25.67	-25.36	-19.02	-6.34
		3.2 GHz to 10 GHz	-27.18	-27.04	-27.00	-26.97	-27.18	-27.09	-19.02	-7.95
	10 GHz to 22 GHz	-45.82	-45.69	-45.76	-45.87	-45.99	-45.75	-19.02	-26.67	
3	9 kHz to 150 kHz	-61.94	-62.17	-62.84	-62.16	-62.08	-62.51	-49.02	-12.92	
	150 kHz to 30 MHz	-44.12	-43.79	-44.19	-43.85	-46.77	-44.07	-39.02	-4.77	
	30 MHz to 1 GHz	-38.97	-38.65	-38.86	-38.97	-38.93	-38.73	-29.02	-9.63	
	1GHz to 2.109 GHz	-35.91	-36.09	-35.91	-34.47	-35.92	-36.02	-29.02	-5.45	
	2.181 GHz to 2.2 GHz	-33.77	-33.63	-33.21	-31.35	-32.92	-31.58	-29.02	-2.33	
	2.2 GHz to 3.2 GHz	-26.38	-25.80	-25.55	-24.40	-23.44	-24.11	-19.02	-4.42	
	3.2 GHz to 10 GHz	-27.94	-27.58	-27.92	-27.79	-27.97	-27.73	-19.02	-8.56	
10 GHz to 22 GHz	-45.80	-45.72	-45.71	-45.85	-45.72	-45.95	-19.02	-26.69		
Mid	0	9 kHz to 150 kHz	-62.69	-61.71	-62.02	-62.29	-62.30	-61.76	-49.02	-12.69
		150 kHz to 30 MHz	-44.41	-43.92	-44.07	-44.12	-45.48	-44.09	-39.02	-4.90
		30 MHz to 1 GHz	-38.75	-38.54	-38.72	-38.63	-38.68	-38.67	-29.02	-9.52
		1GHz to 2.109 GHz	-36.26	-36.44	-36.38	-35.96	-36.05	-36.28	-29.02	-6.94
		2.181 GHz to 2.2 GHz	-32.95	-32.89	-32.85	-33.29	-32.20	-31.58	-29.02	-2.56
		2.2 GHz to 3.2 GHz	-24.57	-24.91	-24.89	-25.01	-24.13	-24.69	-19.02	-5.11
		3.2 GHz to 10 GHz	-27.45	-27.28	-27.38	-27.28	-27.22	-27.46	-19.02	-8.20
	10 GHz to 22 GHz	-45.88	-45.99	-45.66	-45.86	-45.91	-45.75	-19.02	-26.64	
	1	9 kHz to 150 kHz	-62.37	-62.41	-62.18	-61.93	-62.21	-62.03	-49.02	-12.91
		150 kHz to 30 MHz	-43.74	-43.91	-44.08	-44.13	-44.88	-43.96	-39.02	-4.72
		30 MHz to 1 GHz	-38.58	-38.58	-38.55	-38.38	-38.58	-38.43	-29.02	-9.36
		1GHz to 2.109 GHz	-36.26	-36.09	-36.25	-36.32	-36.15	-36.23	-29.02	-7.07
		2.181 GHz to 2.2 GHz	-33.26	-33.52	-33.42	-34.17	-33.33	-33.77	-29.02	-4.24
		2.2 GHz to 3.2 GHz	-25.44	-26.29	-25.21	-26.02	-25.77	-26.37	-19.02	-6.19
		3.2 GHz to 10 GHz	-27.50	-27.44	-27.12	-27.27	-27.43	-27.32	-19.02	-8.10
	10 GHz to 22 GHz	-45.53	-45.88	-45.88	-45.63	-45.75	-45.86	-19.02	-26.51	
	2	9 kHz to 150 kHz	-62.45	-62.51	-61.58	-62.68	-62.82	-62.47	-49.02	-12.56
150 kHz to 30 MHz		-44.23	-44.18	-44.27	-44.25	-45.64	-43.81	-39.02	-4.79	

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High	3	30 MHz to 1 GHz	-38.61	-38.83	-38.59	-38.75	-38.21	-38.40	-29.02	-9.19
		1GHz to 2.109 GHz	-36.53	-36.61	-36.28	-36.22	-35.99	-36.56	-29.02	-6.97
		2.181 GHz to 2.2 GHz	-33.87	-33.43	-33.52	-32.34	-33.39	-33.00	-29.02	-3.32
		2.2 GHz to 3.2 GHz	-26.04	-26.22	-25.21	-24.87	-25.05	-24.74	-19.02	-5.72
		3.2 GHz to 10 GHz	-26.81	-27.02	-26.95	-26.76	-26.98	-26.52	-19.02	-7.50
		10 GHz to 22 GHz	-45.81	-45.83	-45.68	-45.82	-45.86	-45.94	-19.02	-26.66
	3	9 kHz to 150 kHz	-62.37	-62.60	-62.42	-62.59	-62.34	-63.62	-49.02	-13.32
		150 kHz to 30 MHz	-44.21	-44.12	-44.36	-44.14	-45.63	-44.05	-39.02	-5.03
		30 MHz to 1 GHz	-38.91	-38.86	-39.06	-38.75	-38.89	-38.78	-29.02	-9.73
		1GHz to 2.109 GHz	-36.68	-36.70	-36.58	-36.43	-36.85	-36.72	-29.02	-7.41
		2.181 GHz to 2.2 GHz	-33.68	-32.91	-33.09	-31.84	-32.91	-31.89	-29.02	-2.82
		2.2 GHz to 3.2 GHz	-25.41	-25.59	-25.43	-24.23	-24.43	-23.91	-19.02	-4.89
	0	3.2 GHz to 10 GHz	-27.92	-27.89	-27.52	-27.53	-27.89	-27.89	-19.02	-8.50
		10 GHz to 22 GHz	-45.51	-45.82	-45.80	-45.84	-45.63	-45.65	-19.02	-26.49
		9 kHz to 150 kHz	-62.72	-62.41	-62.80	-62.14	-62.16	-62.91	-49.02	-13.12
		150 kHz to 30 MHz	-43.80	-43.93	-44.54	-43.96	-44.84	-44.16	-39.02	-4.78
		30 MHz to 1 GHz	-38.67	-38.71	-38.67	-38.55	-38.74	-38.58	-29.02	-9.53
		1GHz to 2.109 GHz	-36.41	-36.42	-36.22	-36.28	-36.52	-36.36	-29.02	-7.20
	1	2.181 GHz to 2.2 GHz	-32.30	-31.70	-31.62	-31.45	-31.98	-32.61	-29.02	-2.43
		2.2 GHz to 3.2 GHz	-24.09	-24.14	-25.08	-24.50	-23.82	-24.14	-19.02	-4.80
		3.2 GHz to 10 GHz	-27.39	-27.57	-27.51	-27.36	-27.35	-27.42	-19.02	-8.33
		10 GHz to 22 GHz	-46.00	-45.90	-45.89	-45.96	-46.00	-45.82	-19.02	-26.8
		9 kHz to 150 kHz	-62.22	-62.53	-62.12	-62.44	-62.63	-62.39	-49.02	-13.1
		150 kHz to 30 MHz	-43.62	-43.75	-43.90	-44.18	-44.83	-43.72	-39.02	-4.60
	2	30 MHz to 1 GHz	-38.62	-38.22	-38.59	-38.69	-38.31	-38.21	-29.02	-9.19
		1GHz to 2.109 GHz	-36.59	-36.31	-36.24	-36.20	-36.42	-36.41	-29.02	-7.18
		2.181 GHz to 2.2 GHz	-31.77	-32.88	-32.59	-32.14	-32.92	-32.38	-29.02	-2.75
		2.2 GHz to 3.2 GHz	-25.19	-24.76	-24.61	-25.20	-24.53	-23.80	-19.02	-4.78
		3.2 GHz to 10 GHz	-27.49	-27.36	-27.24	-27.20	-27.51	-27.37	-19.02	-8.18
		10 GHz to 22 GHz	-45.92	-45.64	-45.83	-45.82	-45.77	-45.64	-19.02	-26.62
3	9 kHz to 150 kHz	-62.35	-63.20	-62.58	-62.69	-62.74	-62.51	-49.02	-13.33	
	150 kHz to 30 MHz	-44.05	-43.69	-44.07	-44.59	-45.18	-44.07	-39.02	-4.67	
	30 MHz to 1 GHz	-38.65	-38.52	-38.76	-38.82	-38.82	-38.88	-29.02	-9.50	
	1GHz to 2.109 GHz	-36.77	-36.54	-36.73	-36.69	-36.69	-36.31	-29.02	-7.29	
	2.181 GHz to 2.2 GHz	-32.47	-32.32	-32.64	-31.95	-32.55	-32.26	-29.02	-2.93	
	2.2 GHz to 3.2 GHz	-25.24	-24.26	-25.21	-25.30	-25.28	-24.65	-19.02	-5.24	
3	3.2 GHz to 10 GHz	-26.96	-26.95	-27.06	-27.17	-26.99	-26.69	-19.02	-7.67	
	10 GHz to 22 GHz	-45.75	-45.97	-45.65	-45.89	-45.83	-45.89	-19.02	-26.63	
	9 kHz to 150 kHz	-62.81	-62.25	-62.53	-62.67	-62.52	-62.20	-49.02	-13.18	
	150 kHz to 30 MHz	-43.86	-43.91	-44.05	-44.46	-45.42	-44.19	-39.02	-4.84	
	30 MHz to 1 GHz	-38.92	-38.94	-38.76	-38.84	-38.87	-38.71	-29.02	-9.69	
	1GHz to 2.109 GHz	-36.93	-36.77	-36.85	-37.18	-36.45	-36.88	-29.02	-7.43	
3	2.181 GHz to 2.2 GHz	-31.80	-31.46	-31.07	-30.69	-31.89	-32.20	-29.02	-1.67	
	2.2 GHz to 3.2 GHz	-25.21	-24.84	-24.63	-23.81	-24.70	-23.81	-19.02	-4.79	
	3.2 GHz to 10 GHz	-27.74	-27.85	-27.93	-27.75	-27.80	-27.85	-19.02	-8.72	
	10 GHz to 22 GHz	-45.86	-45.79	-46.01	-45.98	-45.69	-45.89	-19.02	-26.67	

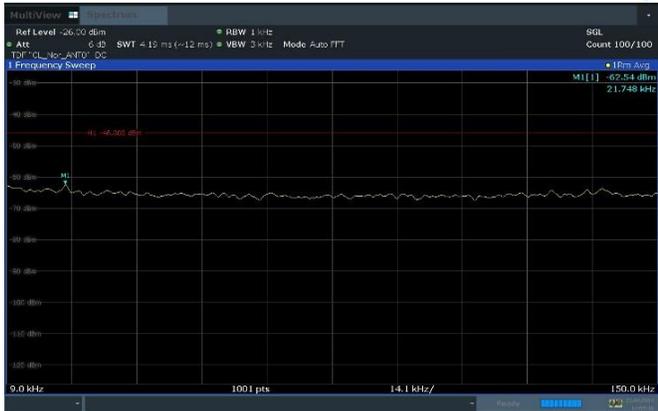
Table 8-58. Conducted Spurious Emission Summary Data (n66/B66_Multi-carrier_4T)

FCC ID: A3LRF4439D-25A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
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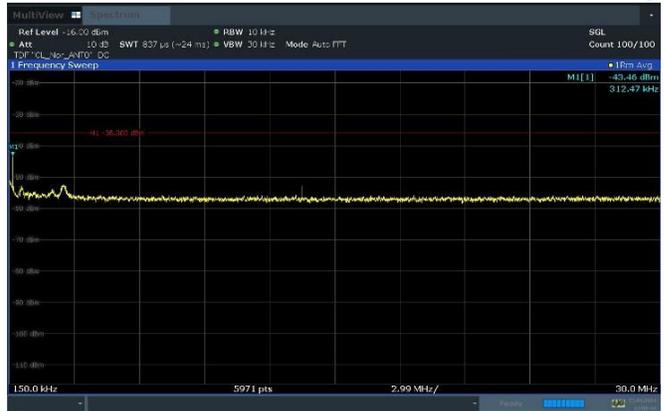
CH	Port	Measurement Range	Level (dBm)			Limit (dBm)	Worst Margin (dB)
			n66_3C_25M+10M+5M_4T	n66/B66_3C_NR_25M+LTE_10M+NR_5M_4T	n66/B66_3C_NR_30M+LTE_10M+NR_5M_4T		
Mid	0	9 kHz to 150 kHz	-62.42	-62.11	-61.78	-49.02	-12.76
		150 kHz to 30 MHz	-44.07	-48.01	-43.86	-39.02	-4.84
		30 MHz to 1 GHz	-38.65	-38.60	-38.43	-29.02	-9.41
		1 GHz to 2.108 GHz	-35.72	-35.23	-35.63	-29.02	-6.21
		2.108 GHz to 2.109 GHz	-23.92	-28.22	-28.34	-19.02	-4.90
		2.181 GHz to 2.182 GHz	-20.96	-21.40	-21.59	-19.02	-1.94
		2.182 GHz to 2.2 GHz	-30.12	-30.30	-30.71	-29.02	-1.10
		2.2 GHz to 3.2 GHz	-22.02	-21.64	-22.22	-19.02	-2.62
		3.2 GHz to 10 GHz	-27.19	-27.31	-27.40	-19.02	-8.17
	10 GHz to 22 GHz	-45.58	-45.88	-46.01	-19.02	-26.56	
	1	9 kHz to 150 kHz	-62.07	-62.18	-62.51	-49.02	-13.05
		150 kHz to 30 MHz	-44.15	-48.31	-43.73	-39.02	-4.71
		30 MHz to 1 GHz	-38.50	-38.40	-38.64	-29.02	-9.38
		1 GHz to 2.108 GHz	-35.33	-34.70	-35.49	-29.02	-5.68
		2.108 GHz to 2.109 GHz	-23.62	-27.79	-28.04	-19.02	-4.60
		2.181 GHz to 2.182 GHz	-21.30	-21.63	-21.77	-19.02	-2.28
		2.182 GHz to 2.2 GHz	-30.29	-30.15	-30.77	-29.02	-1.13
		2.2 GHz to 3.2 GHz	-21.69	-21.64	-21.82	-19.02	-2.62
		3.2 GHz to 10 GHz	-27.35	-27.33	-27.14	-19.02	-8.12
	10 GHz to 22 GHz	-45.77	-45.94	-45.77	-19.02	-26.75	
	2	9 kHz to 150 kHz	-62.58	-62.60	-62.92	-49.02	-13.56
		150 kHz to 30 MHz	-45.05	-48.60	-43.97	-39.02	-4.95
		30 MHz to 1 GHz	-38.46	-38.84	-38.64	-29.02	-9.44
		1 GHz to 2.108 GHz	-36.14	-36.25	-36.05	-29.02	-7.03
		2.108 GHz to 2.109 GHz	-24.08	-28.47	-28.47	-19.02	-5.06
		2.181 GHz to 2.182 GHz	-21.61	-22.09	-22.12	-19.02	-2.59
		2.182 GHz to 2.2 GHz	-30.81	-31.42	-30.92	-29.02	-1.79
		2.2 GHz to 3.2 GHz	-23.56	-23.47	-24.01	-19.02	-4.45
		3.2 GHz to 10 GHz	-27.08	-27.15	-26.91	-19.02	-7.89
	10 GHz to 22 GHz	-45.97	-45.76	-45.92	-19.02	-26.74	
	3	9 kHz to 150 kHz	-62.60	-63.11	-63.39	-49.02	-13.58
		150 kHz to 30 MHz	-44.45	-48.20	-43.85	-39.02	-4.83
		30 MHz to 1 GHz	-38.77	-38.85	-38.92	-29.02	-9.75
		1 GHz to 2.108 GHz	-35.83	-36.27	-36.14	-29.02	-6.81
		2.108 GHz to 2.109 GHz	-24.28	-28.67	-28.52	-19.02	-5.26
		2.181 GHz to 2.182 GHz	-21.47	-21.51	-21.61	-19.02	-2.45
2.182 GHz to 2.2 GHz		-30.49	-30.84	-30.47	-29.02	-1.45	
2.2 GHz to 3.2 GHz		-22.80	-22.88	-22.36	-19.02	-3.34	
3.2 GHz to 10 GHz		-28.04	-27.69	-27.91	-19.02	-8.67	
10 GHz to 22 GHz	-45.96	-45.87	-45.79	-19.02	-26.77		

Table 8-59. Conducted Spurious Emission Summary Data (n66/B66_Multi-carrier_Non-contiguous_4T)

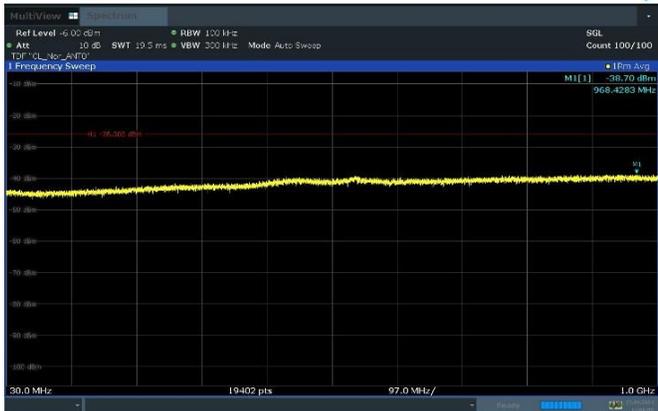
FCC ID: A3LRF4439D-25A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K24022601-00.A3L	Test Dates: 03/18/2024 - 04/29/2024	EUT Type: RRU(RF4439d)	Page 74 of 114	



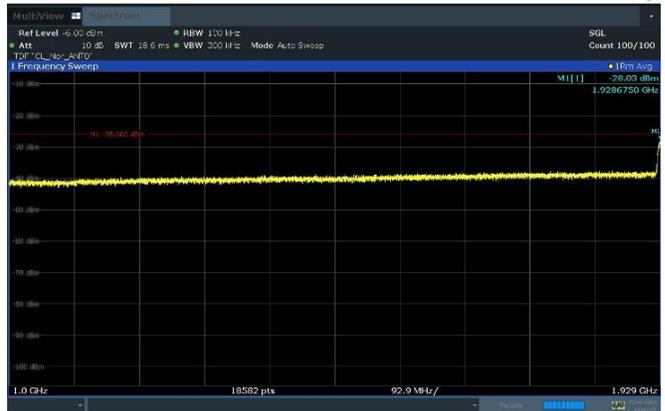
Plot 8-81. Conducted Spurious Emission Plot
9 kHz to 150 kHz
(n2_1C_25M_2T_64QAM - Low Channel, Port 0)



Plot 8-82. Conducted Spurious Emission Plot
150 kHz to 30 MHz
(n2_1C_25M_2T_64QAM - Low Channel, Port 0)



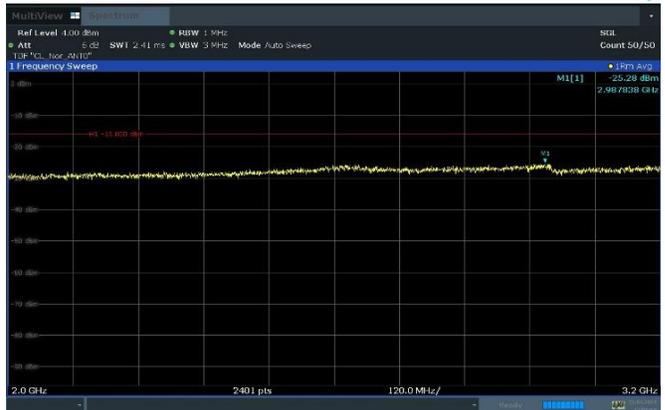
Plot 8-83. Conducted Spurious Emission Plot
30 MHz to 1 GHz
(n2_1C_25M_2T_QPSK - Low Channel, Port 0)



Plot 8-84. Conducted Spurious Emission Plot
1 GHz to 1.929 GHz
(n2_1C_25M_2T_64QAM - Low Channel, Port 0)



Plot 8-85. Conducted Spurious Emission Plot
1.991 MHz to 2 GHz
(n2_1C_25M_2T_64QAM - Low Channel, Port 0)

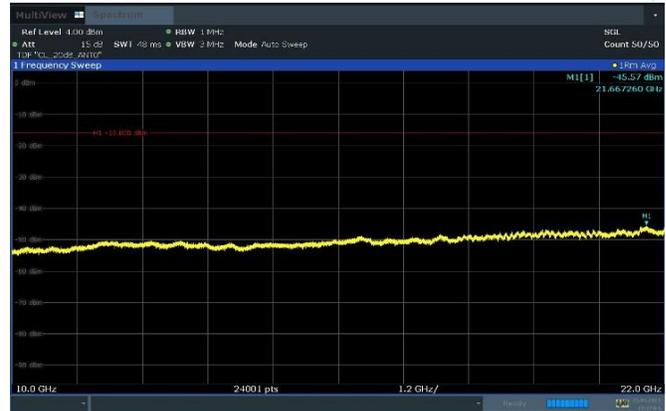


Plot 8-86. Conducted Spurious Emission Plot
2 GHz to 3.2 GHz
(n2_1C_25M_2T_64QAM - Low Channel, Port 0)

FCC ID: A3LRF4439D-25A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K24022601-00.A3L	Test Dates: 03/18/2024 - 04/29/2024	EUT Type: RRU(RF4439d)		Page 75 of 114



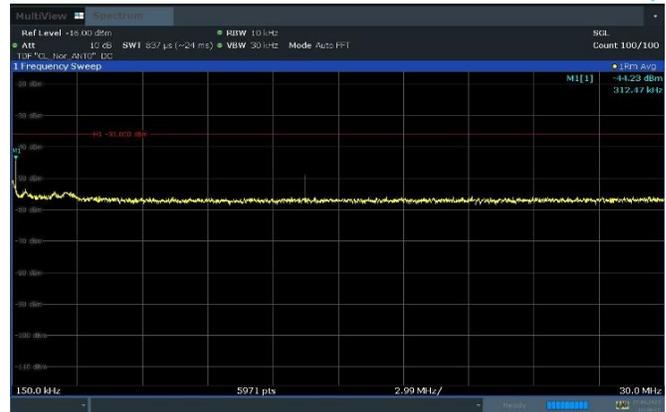
Plot 8-87. Conducted Spurious Emission Plot
3.2 GHz to 10 GHz
(n2_1C_25M_2T_64QAM - Low Channel, Port 0)



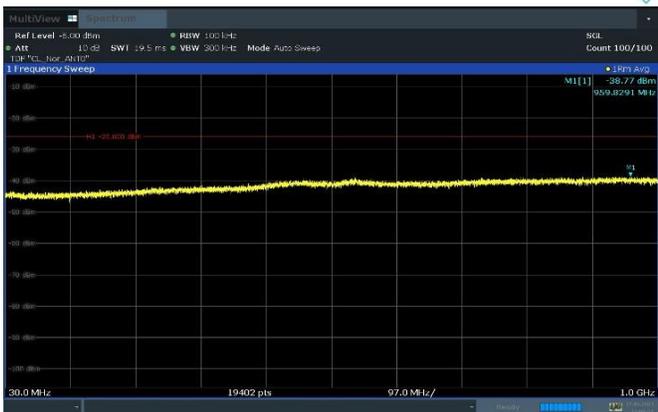
Plot 8-88. Conducted Spurious Emission Plot
10 GHz to 22 GHz
(n2_1C_25M_2T_64QAM - Low Channel, Port 0)



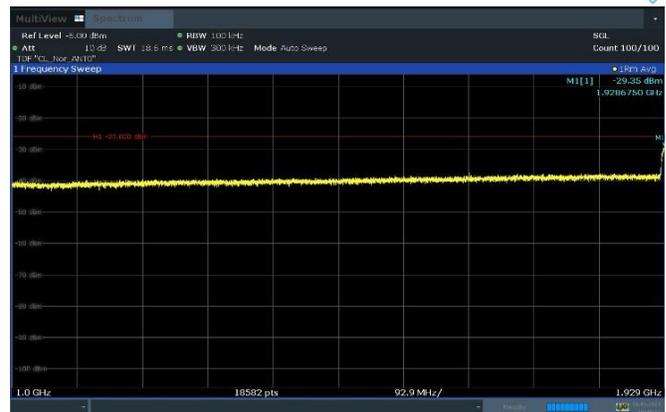
Plot 8-89. Conducted Spurious Emission Plot
9 kHz to 150 kHz
(n2/B2_2C_NR_25M+LTE_5M_2T_QPSK - Low Channel, Port 0)



Plot 8-90. Conducted Spurious Emission Plot
150 kHz to 30 MHz
(n2/B2_2C_NR_25M+LTE_5M_2T_QPSK - Low Channel, Port 0)



Plot 8-91. Conducted Spurious Emission Plot
30 MHz to 1 GHz
(n2/B2_2C_NR_25M+LTE_5M_2T_QPSK - Low Channel, Port 0)

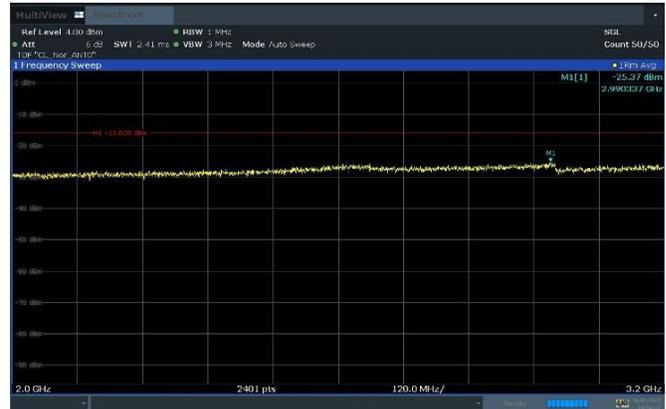


Plot 8-92. Conducted Spurious Emission Plot
1 GHz to 1.929 GHz
(n2/B2_2C_NR_25M+LTE_5M_2T_QPSK - Low Channel, Port 0)

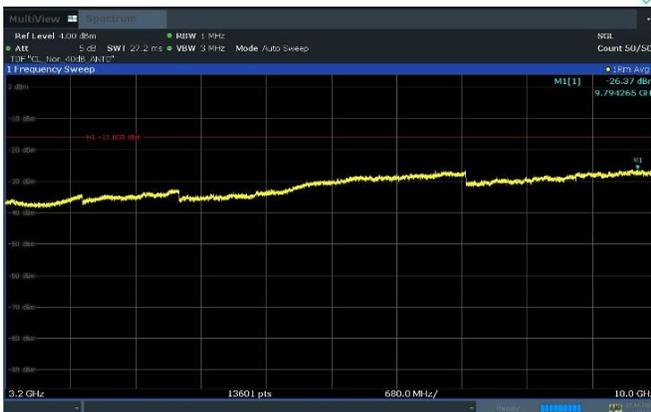
FCC ID: A3LRF4439D-25A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K24022601-00.A3L	Test Dates: 03/18/2024 - 04/29/2024	EUT Type: RRU(RF4439d)		Page 76 of 114



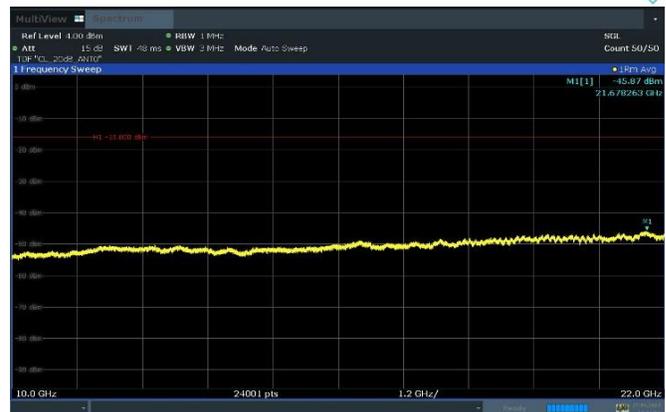
Plot 8-93. Conducted Spurious Emission Plot
1.991 MHz to 2 GHz
(n2/B2_2C_NR_25M+LTE_5M_2T_QPSK - Low Channel, Port 0)



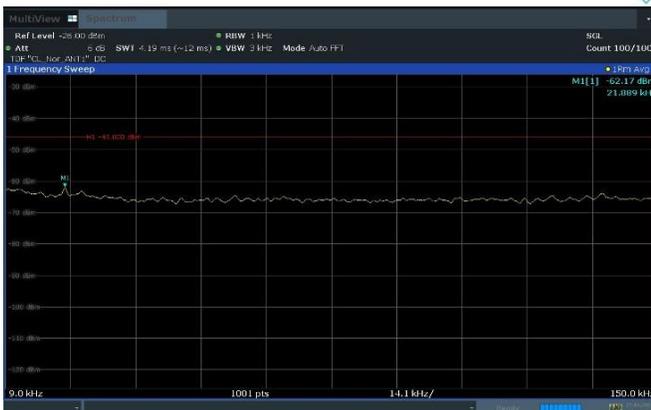
Plot 8-94. Conducted Spurious Emission Plot
2 GHz to 3.2 GHz
(n2/B2_2C_NR_25M+LTE_5M_2T_QPSK - Low Channel, Port 0)



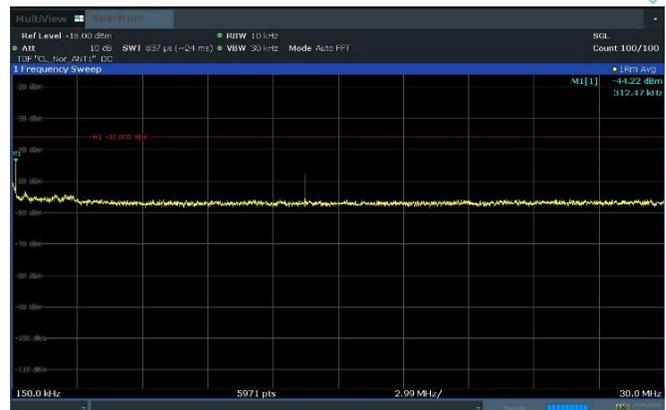
Plot 8-95. Conducted Spurious Emission Plot
3.2 GHz to 10 GHz
(n2/B2_2C_NR_25M+LTE_5M_2T_QPSK - Low Channel, Port 0)



Plot 8-96. Conducted Spurious Emission Plot
10 GHz to 22 GHz
(n2/B2_2C_NR_25M+LTE_5M_2T_QPSK - Low Channel, Port 0)

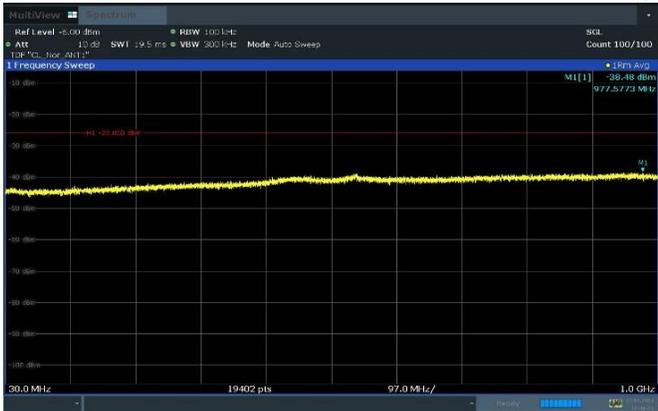


Plot 8-97. Conducted Spurious Emission Plot
9 kHz to 150 kHz
(n2/B2_2NC_NR_25M+LTE_5M_2T_QPSK, Port 1)

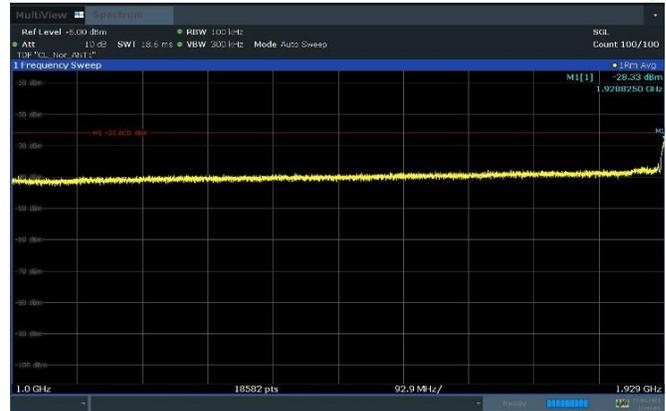


Plot 8-98. Conducted Spurious Emission Plot
150 kHz to 30 MHz
(n2/B2_2NC_NR_25M+LTE_5M_2T_QPSK, Port 1)

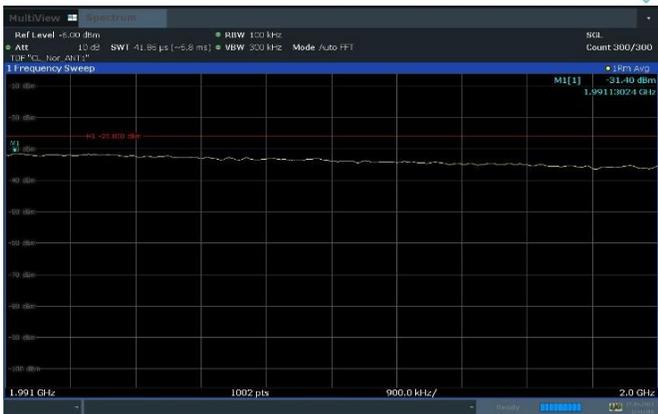
FCC ID: A3LRF4439D-25A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K24022601-00.A3L	Test Dates: 03/18/2024 - 04/29/2024	EUT Type: RRU(RF4439d)	Page 77 of 114	



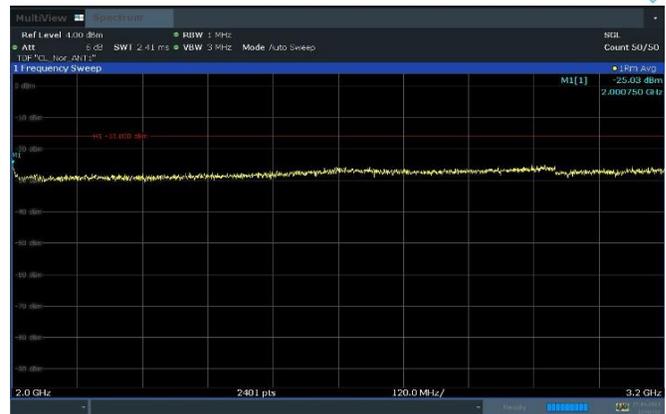
Plot 8-99. Conducted Spurious Emission Plot
30 MHz to 1 GHz
(n2/B2_2NC_NR_25M+LTE_5M_2T_QPSK, Port 1)



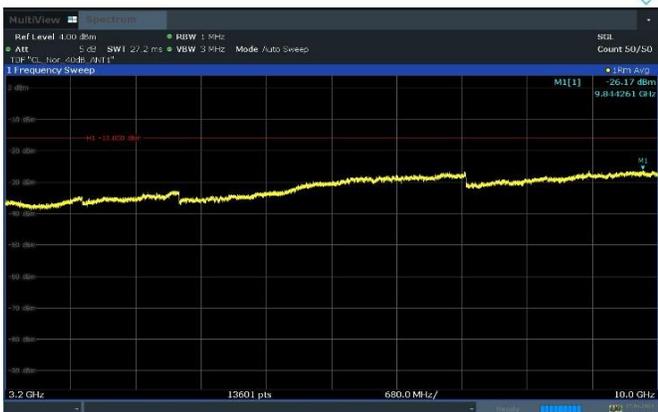
Plot 8-100. Conducted Spurious Emission Plot
1 GHz to 1.929 GHz
(n2/B2_2NC_NR_25M+LTE_5M_2T_QPSK, Port 1)



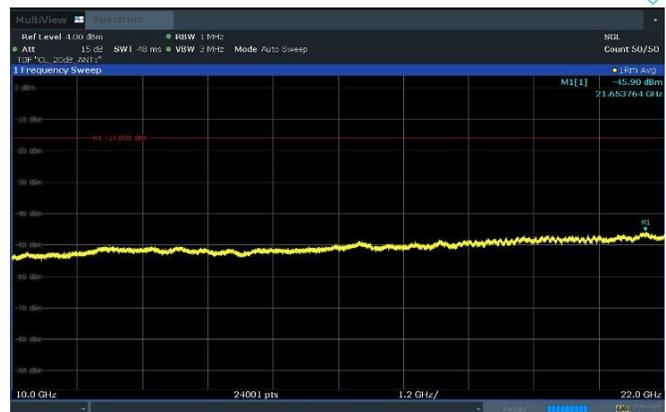
Plot 8-101. Conducted Spurious Emission Plot
1.991 MHz to 2 GHz
(n2/B2_2NC_NR_25M+LTE_5M_2T_QPSK, Port 1)



Plot 8-102. Conducted Spurious Emission Plot
2 GHz to 3.2 GHz
(n2/B2_2NC_NR_25M+LTE_5M_2T_QPSK, Port 1)

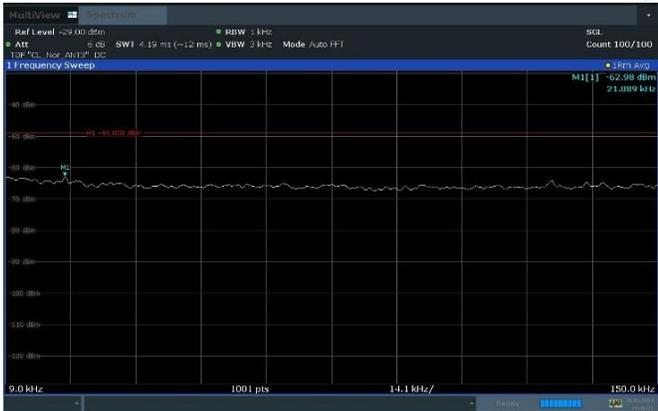


Plot 8-103. Conducted Spurious Emission Plot
3.2 GHz to 10 GHz
(n2/B2_2NC_NR_25M+LTE_5M_2T_QPSK, Port 1)



Plot 8-104. Conducted Spurious Emission Plot
10 GHz to 22 GHz
(n2/B2_2NC_NR_25M+LTE_5M_2T_QPSK, Port 1)

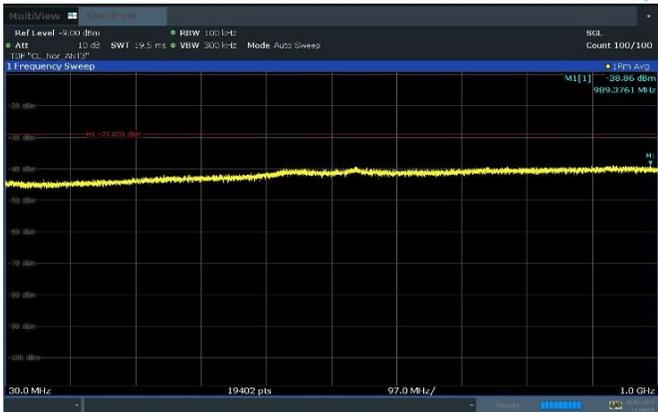
FCC ID: A3LRF4439D-25A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K24022601-00.A3L	Test Dates: 03/18/2024 - 04/29/2024	EUT Type: RRU(RF4439d)		Page 78 of 114



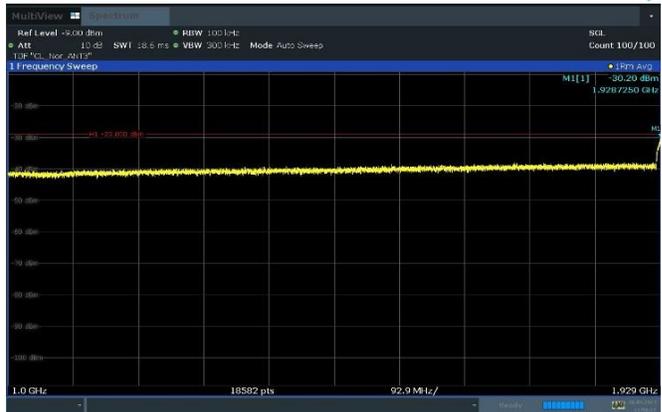
Plot 8-105. Conducted Spurious Emission Plot
9 kHz to 150 kHz
(n2_1C_25M_4T_256QAM - Low Channel, Port 3)



Plot 8-106. Conducted Spurious Emission Plot
150 kHz to 30 MHz
(n2_1C_25M_4T_256QAM - Low Channel, Port 3)



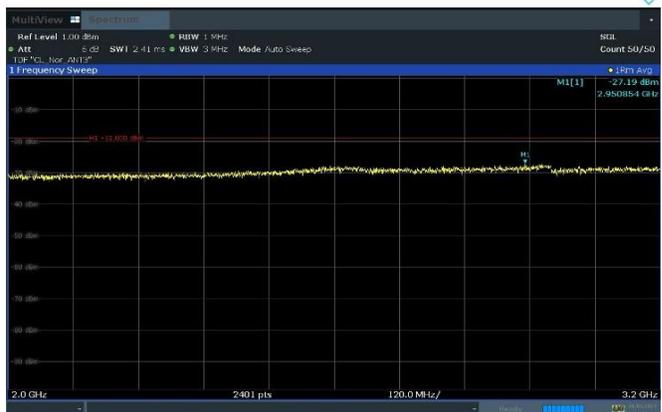
Plot 8-107. Conducted Spurious Emission Plot
30 MHz to 1 GHz
(n2_1C_25M_4T_256QAM - Low Channel, Port 3)



Plot 8-108. Conducted Spurious Emission Plot
1 GHz to 1.929 GHz
(n2_1C_25M_4T_256QAM - Low Channel, Port 3)

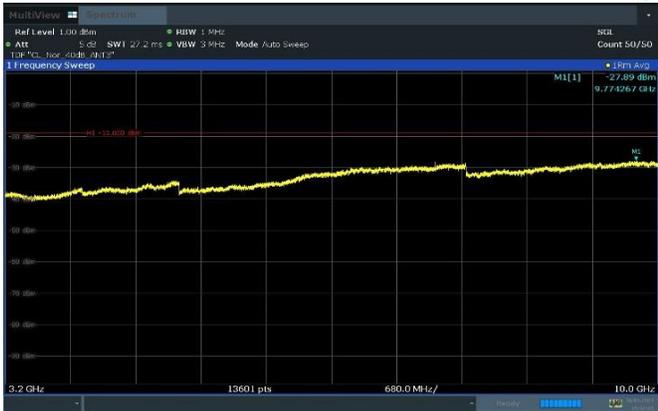


Plot 8-109. Conducted Spurious Emission Plot
1.991 MHz to 2 GHz
(n2_1C_25M_4T_256QAM - Low Channel, Port 3)

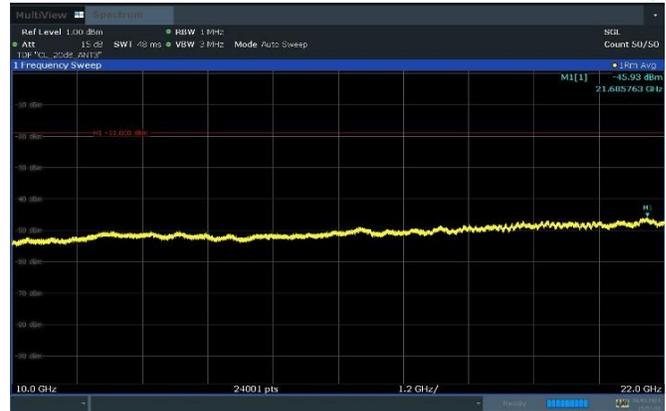


Plot 8-110. Conducted Spurious Emission Plot
2 GHz to 3.2 GHz
(n2_1C_25M_4T_256QAM - Low Channel, Port 3)

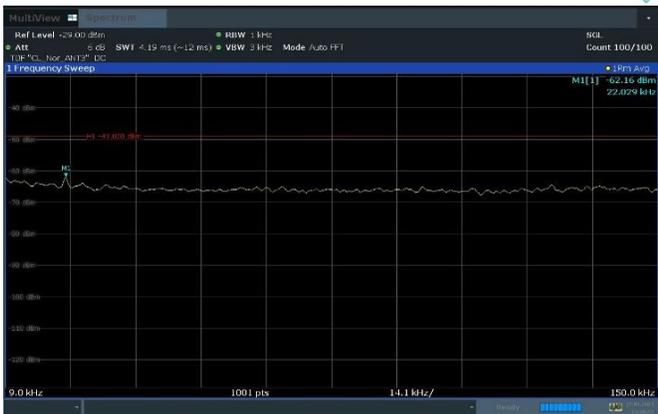
FCC ID: A3LRF4439D-25A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K24022601-00.A3L	Test Dates: 03/18/2024 - 04/29/2024	EUT Type: RRU(RF4439d)		Page 79 of 114



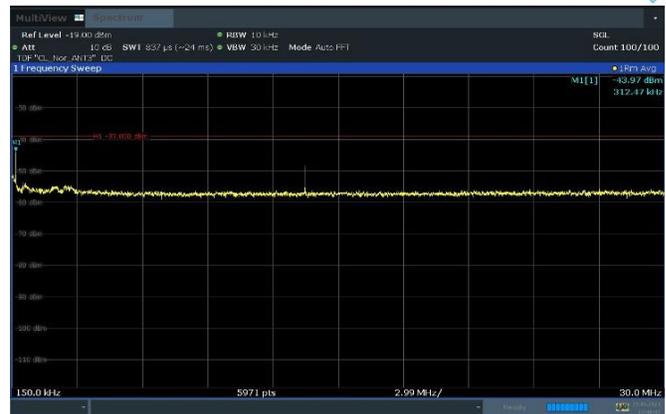
Plot 8-111. Conducted Spurious Emission Plot
3.2 GHz to 10 GHz
(n2_1C_25M_4T_256QAM - Low Channel, Port 3)



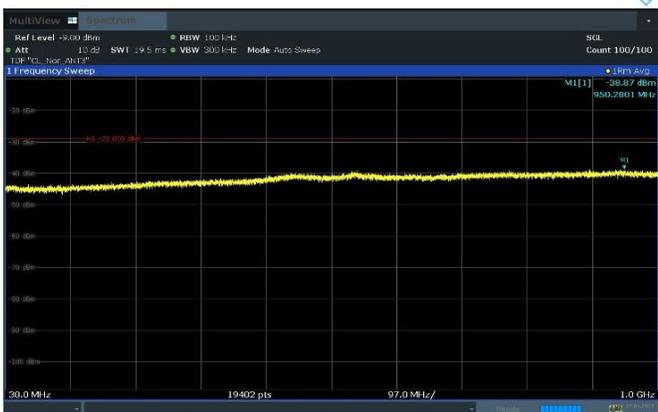
Plot 8-112. Conducted Spurious Emission Plot
10 GHz to 22 GHz
(n2_1C_25M_4T_256QAM - Low Channel, Port 3)



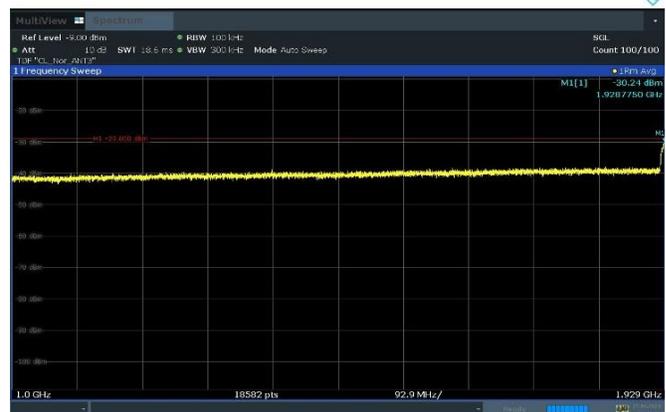
Plot 8-113. Conducted Spurious Emission Plot
9 kHz to 150 kHz
(n2/B2_2C_NR_25M+LTE_5M_4T_QPSK - Low Channel, Port 3)



Plot 8-114. Conducted Spurious Emission Plot
150 kHz to 30 MHz
(n2/B2_2C_NR_25M+LTE_5M_4T_QPSK - Low Channel, Port 3)



Plot 8-115. Conducted Spurious Emission Plot
30 MHz to 1 GHz
(n2/B2_2C_NR_25M+LTE_5M_2T_QPSK - Low Channel, Port 0)

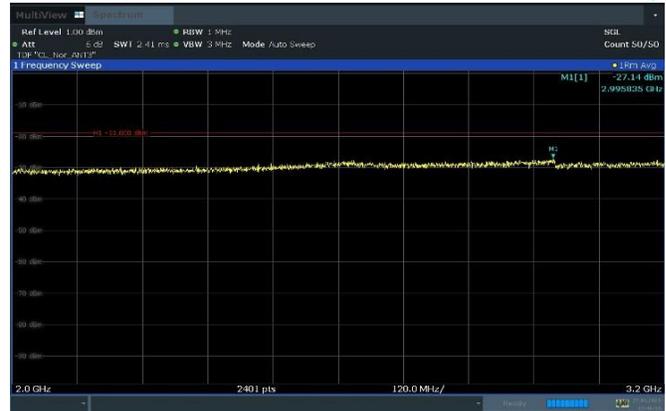


Plot 8-116. Conducted Spurious Emission Plot
1 GHz to 1.929 GHz
(n2/B2_2C_NR_25M+LTE_5M_4T_QPSK - Low Channel, Port 3)

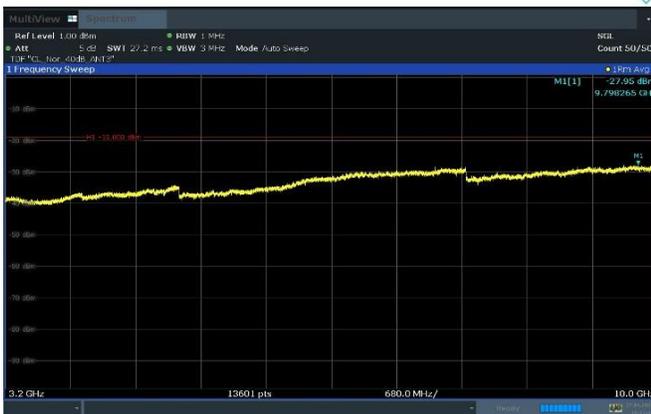
FCC ID: A3LRF4439D-25A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K24022601-00.A3L	Test Dates: 03/18/2024 - 04/29/2024	EUT Type: RRU(RF4439d)		Page 80 of 114



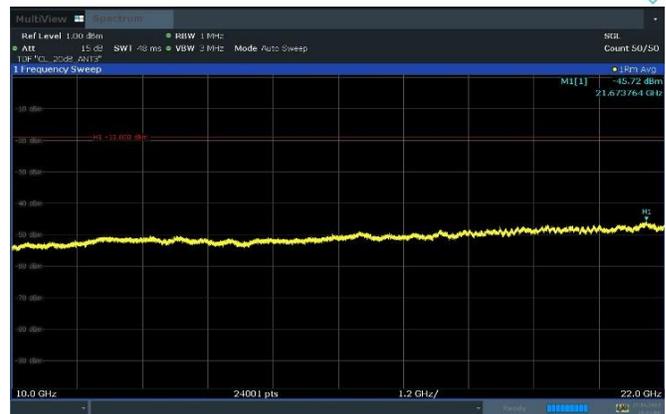
Plot 8-117. Conducted Spurious Emission Plot
1.991 MHz to 2 GHz
(n2/B2_2C_NR_25M+LTE_5M_4T_QPSK - Low Channel, Port 3)



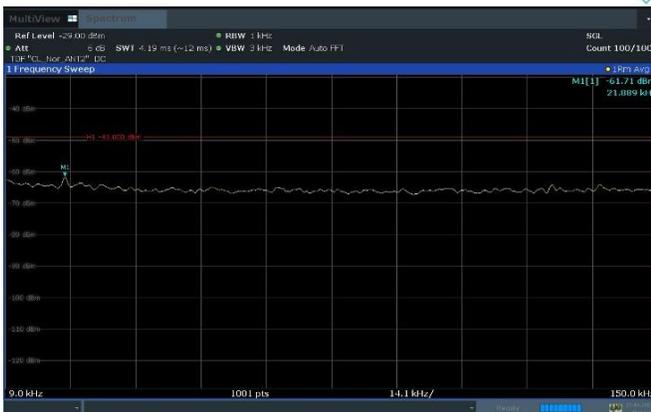
Plot 8-118. Conducted Spurious Emission Plot
2 GHz to 3.2 GHz
(n2/B2_2C_NR_25M+LTE_5M_4T_QPSK - Low Channel, Port 3)



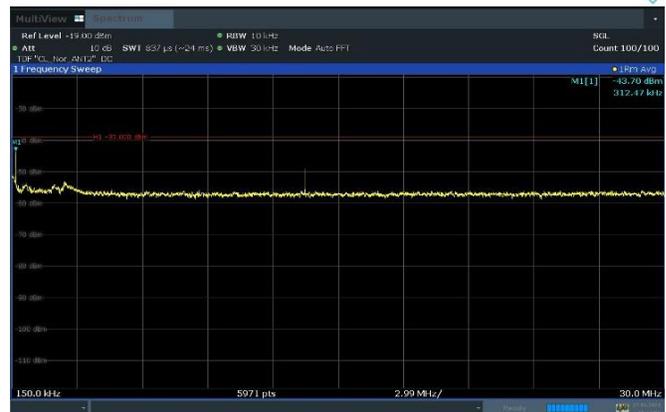
Plot 8-119. Conducted Spurious Emission Plot
3.2 GHz to 10 GHz
(n2/B2_2C_NR_25M+LTE_5M_4T_QPSK - Low Channel, Port 3)



Plot 8-120. Conducted Spurious Emission Plot
10 GHz to 22 GHz
(n2/B2_2C_NR_25M+LTE_5M_4T_QPSK - Low Channel, Port 3)

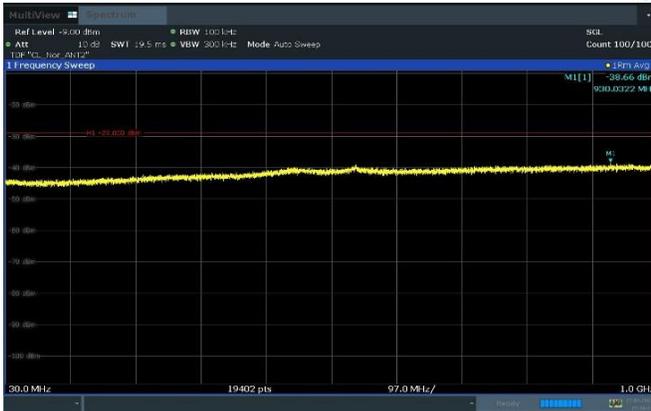


Plot 8-121. Conducted Spurious Emission Plot
9 kHz to 150 kHz
(n2/B2_2NC_NR_25M+LTE_5M_4T_QPSK, Port 2)

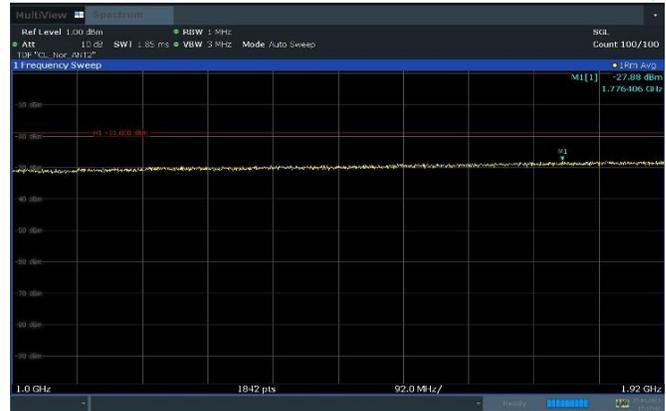


Plot 8-122. Conducted Spurious Emission Plot
150 kHz to 30 MHz
(n2/B2_2NC_NR_25M+LTE_5M_4T_QPSK, Port 2)

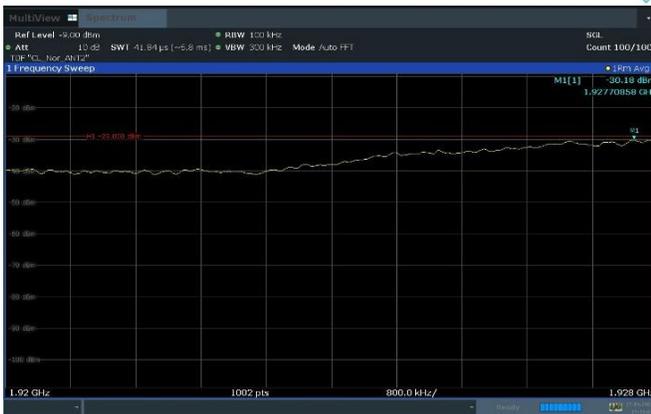
FCC ID: A3LRF4439D-25A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K24022601-00.A3L	Test Dates: 03/18/2024 - 04/29/2024	EUT Type: RRU(RF4439d)		Page 81 of 114



Plot 8-123. Conducted Spurious Emission Plot
30 MHz to 1 GHz
(n2/B2_2NC_NR_25M+LTE_5M_4T_QPSK, Port 2)



Plot 8-124. Conducted Spurious Emission Plot
1 GHz to 1.920 GHz
(n2/B2_2NC_NR_25M+LTE_5M_4T_QPSK, Port 2)



Plot 8-125. Conducted Spurious Emission Plot
1.920 MHz to 1.928 GHz
(n2/B2_2NC_NR_25M+LTE_5M_4T_QPSK, Port 2)



Plot 8-126. Conducted Spurious Emission Plot
1.928 GHz to 1.929 GHz
(n2/B2_2NC_NR_25M+LTE_5M_4T_QPSK, Port 2)

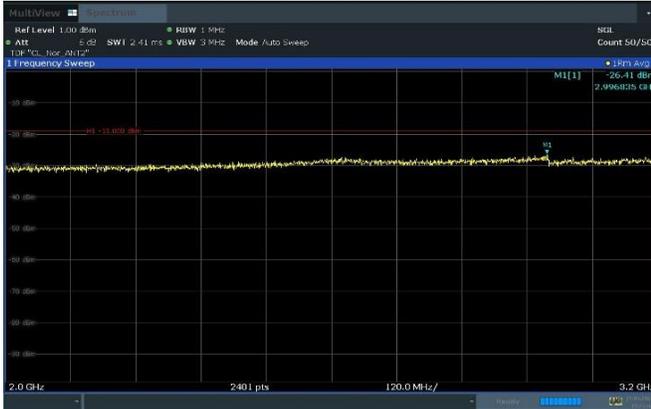


Plot 8-127. Conducted Spurious Emission Plot
1.991 MHz to 1.992 GHz
(n2/B2_2NC_NR_25M+LTE_5M_4T_QPSK, Port 2)

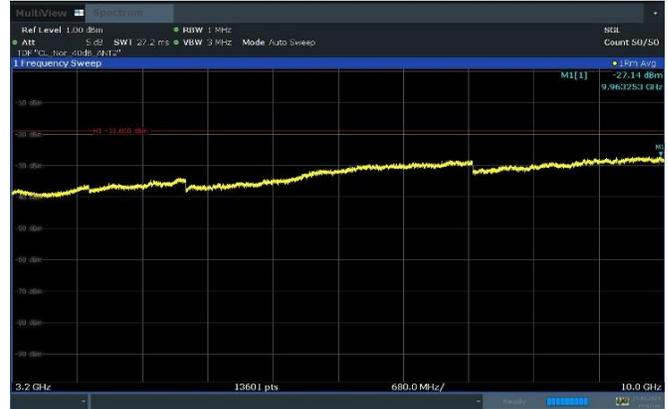


Plot 8-128. Conducted Spurious Emission Plot
1.992 GHz to 2 GHz
(n2/B2_2NC_NR_25M+LTE_5M_4T_QPSK, Port 2)

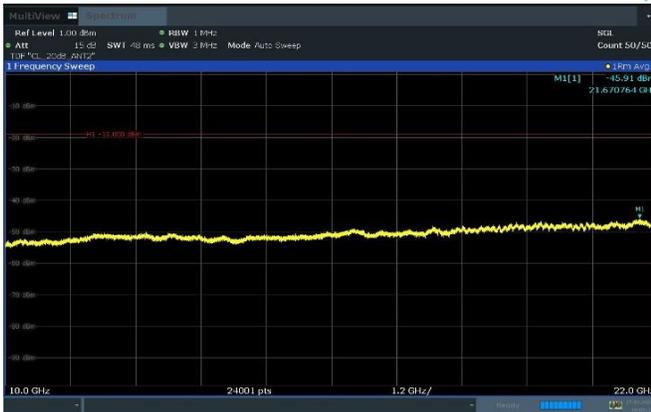
FCC ID: A3LRF4439D-25A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K24022601-00.A3L	Test Dates: 03/18/2024 - 04/29/2024	EUT Type: RRU(RF4439d)		Page 82 of 114



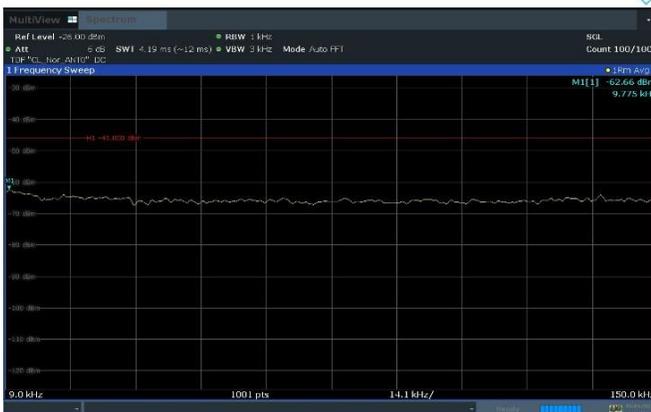
Plot 8-129. Conducted Spurious Emission Plot
2 GHz to 3.2 GHz
(n2/B2_2NC_NR_25M+LTE_5M_4T_QPSK, Port 2)



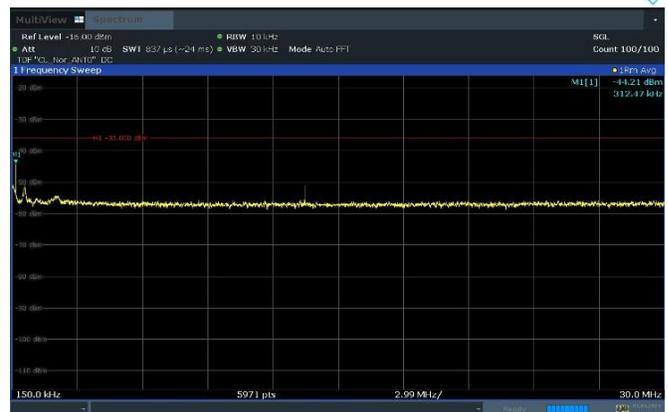
Plot 8-130. Conducted Spurious Emission Plot
3.2 GHz to 10 GHz
(n2/B2_2NC_NR_25M+LTE_5M_4T_QPSK, Port 2)



Plot 8-131. Conducted Spurious Emission Plot
10 GHz to 22 GHz
(n2/B2_2NC_NR_25M+LTE_5M_4T_QPSK, Port 2)

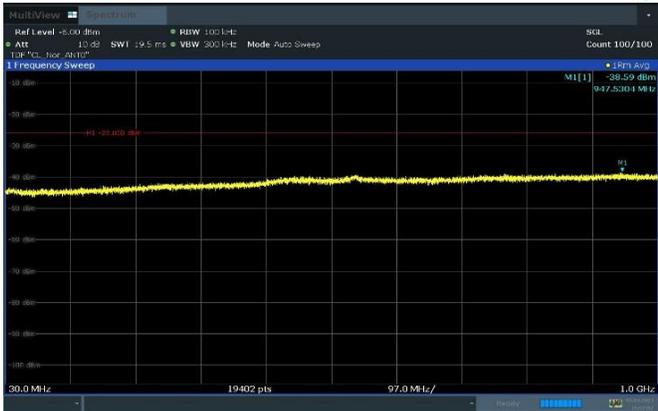


Plot 8-132. Conducted Spurious Emission Plot
9 kHz to 150 kHz
(n66_1C_25M_2T_QPSK - High Channel, Port 0)

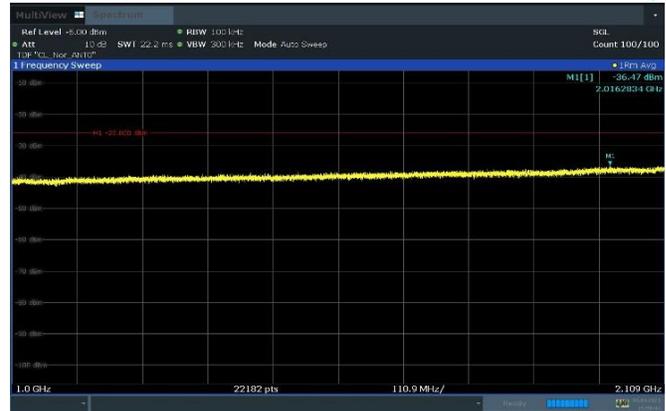


Plot 8-133. Conducted Spurious Emission Plot
150 kHz to 30 MHz
(n66_1C_25M_2T_QPSK - High Channel, Port 0)

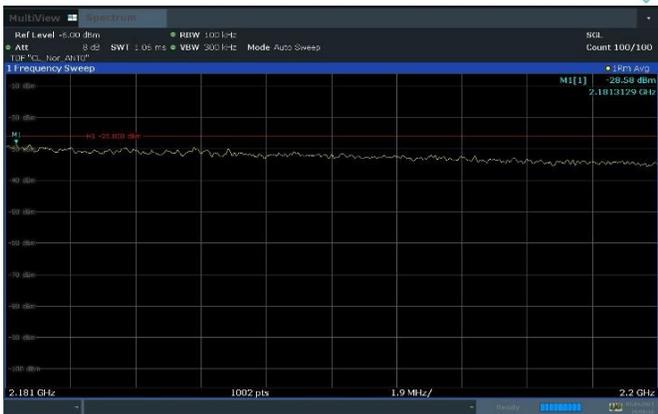
FCC ID: A3LRF4439D-25A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K24022601-00.A3L	Test Dates: 03/18/2024 - 04/29/2024	EUT Type: RRU(RF4439d)		Page 83 of 114



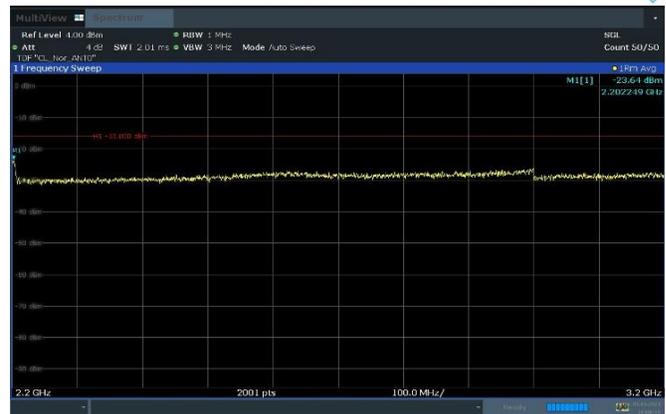
Plot 8-134. Conducted Spurious Emission Plot
30 MHz to 1 GHz
(n66_1C_25M_2T_QPSK - High Channel, Port 0)



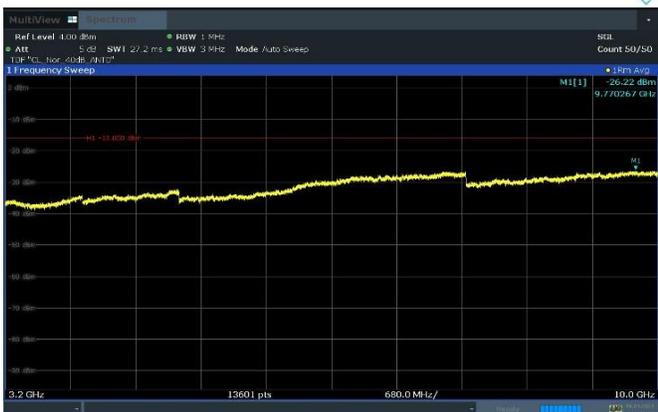
Plot 8-135. Conducted Spurious Emission Plot
1 GHz to 2.109 GHz
(n66_1C_25M_2T_QPSK - High Channel, Port 0)



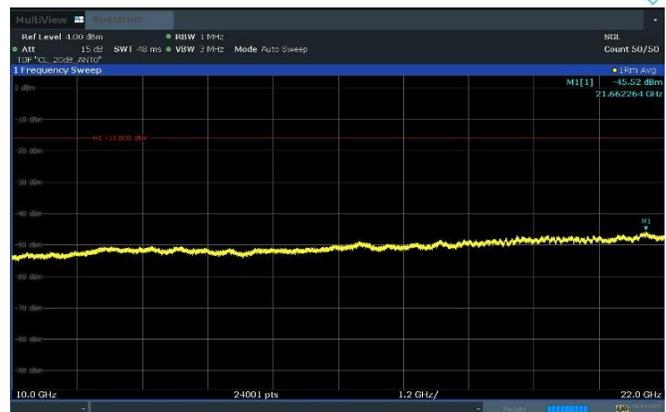
Plot 8-136. Conducted Spurious Emission Plot
2.181 MHz to 2.2 GHz
(n66_1C_25M_2T_QPSK - High Channel, Port 0)



Plot 8-137. Conducted Spurious Emission Plot
2.2 GHz to 3.2 GHz
(n66_1C_25M_2T_QPSK - High Channel, Port 0)

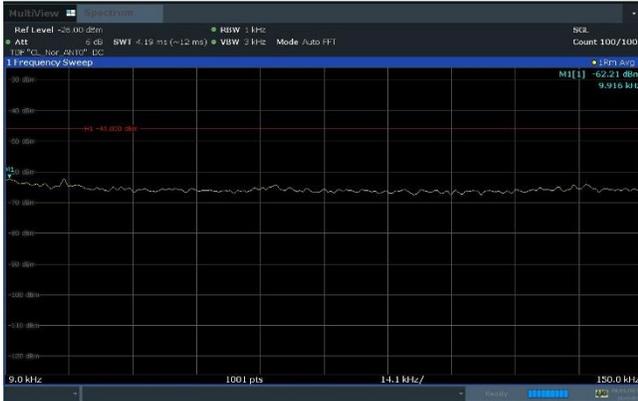


Plot 8-138. Conducted Spurious Emission Plot
3.2 GHz to 10 GHz
(n66_1C_25M_2T_QPSK - High Channel, Port 0)

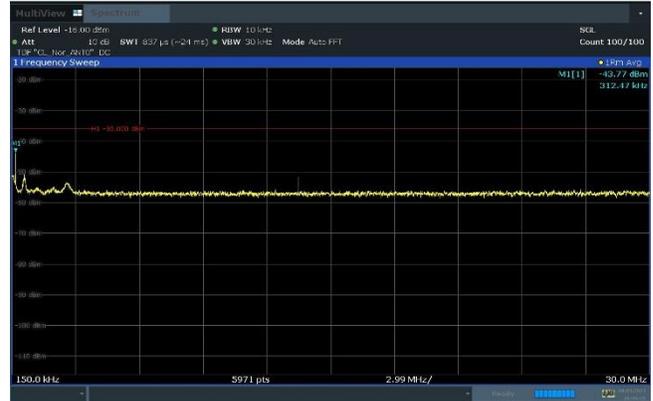


Plot 8-139. Conducted Spurious Emission Plot
10 GHz to 22 GHz
(n66_1C_25M_2T_QPSK - High Channel, Port 0)

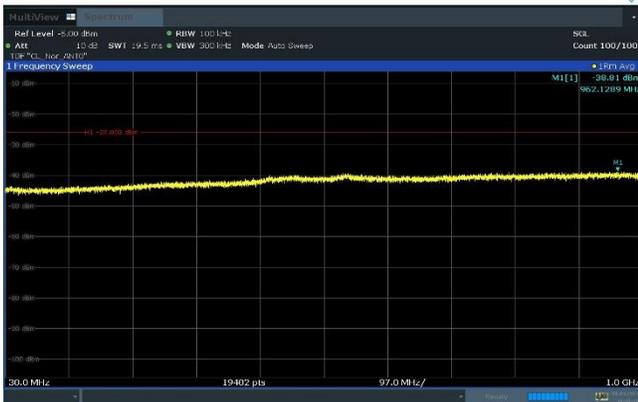
FCC ID: A3LRF4439D-25A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K24022601-00.A3L	Test Dates: 03/18/2024 - 04/29/2024	EUT Type: RRU(RF4439d)		Page 84 of 114



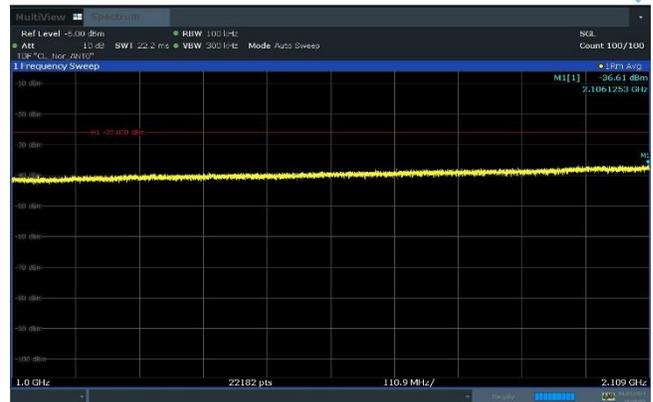
Plot 8-140. Conducted Spurious Emission Plot
9 kHz to 150 kHz
(n66_1C_30M_2T_16QAM - High Channel, Port 0)



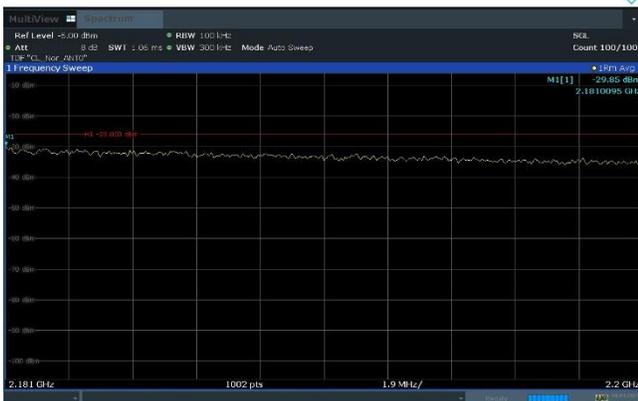
Plot 8-141. Conducted Spurious Emission Plot
150 kHz to 30 MHz
(n66_1C_30M_2T_16QAM - High Channel, Port 0)



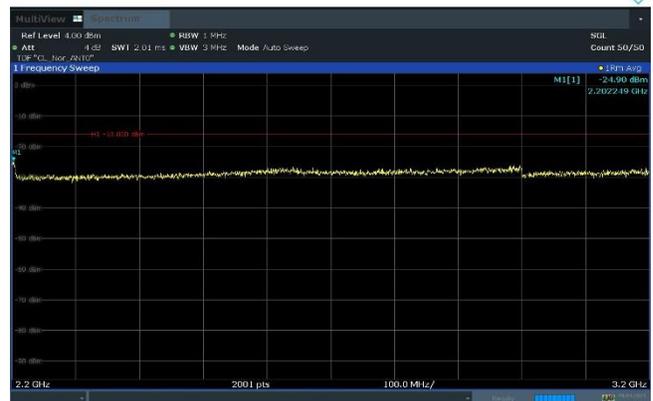
Plot 8-142. Conducted Spurious Emission Plot
30 MHz to 1 GHz
(n66_1C_30M_2T_16QAM - High Channel, Port 0)



Plot 8-143. Conducted Spurious Emission Plot
1 GHz to 2.109 GHz
(n66_1C_30M_2T_16QAM - High Channel, Port 0)

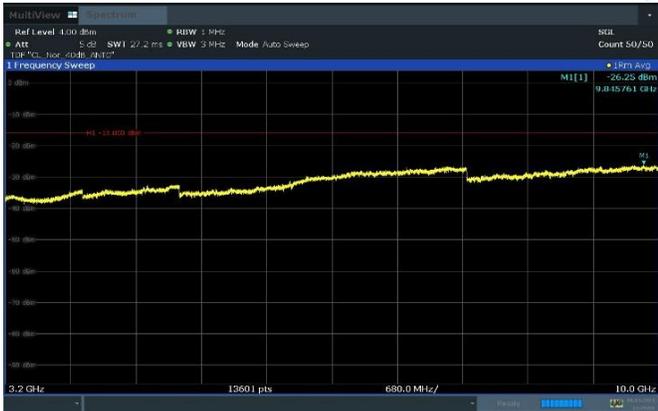


Plot 8-144. Conducted Spurious Emission Plot
2.181 MHz to 2.2 GHz
(n66_1C_30M_2T_16QAM - High Channel, Port 0)

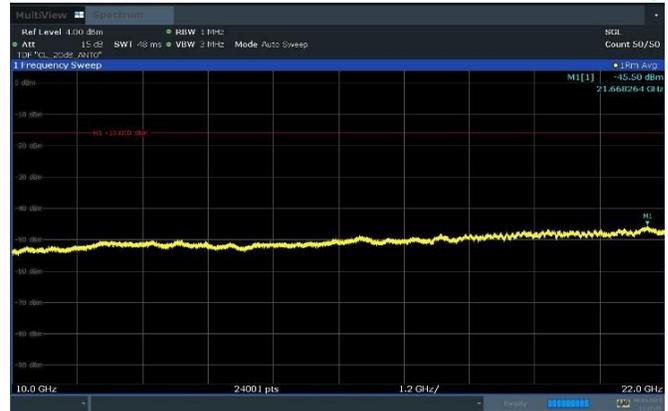


Plot 8-145. Conducted Spurious Emission Plot
2.2 GHz to 3.2 GHz
(n66_1C_30M_2T_16QAM - High Channel, Port 0)

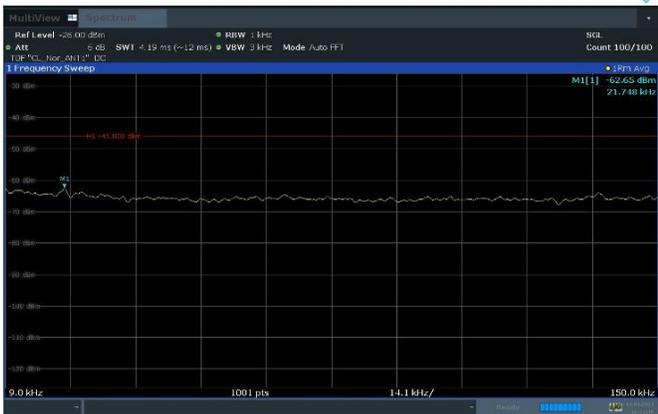
FCC ID: A3LRF4439D-25A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K24022601-00.A3L	Test Dates: 03/18/2024 - 04/29/2024	EUT Type: RRU(RF4439d)		Page 85 of 114



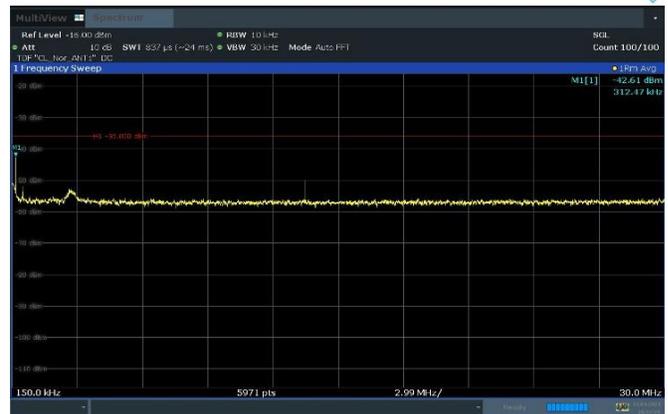
Plot 8-146. Conducted Spurious Emission Plot
3.2 GHz to 10 GHz
(n66_1C_30M_2T_16QAM - High Channel, Port 0)



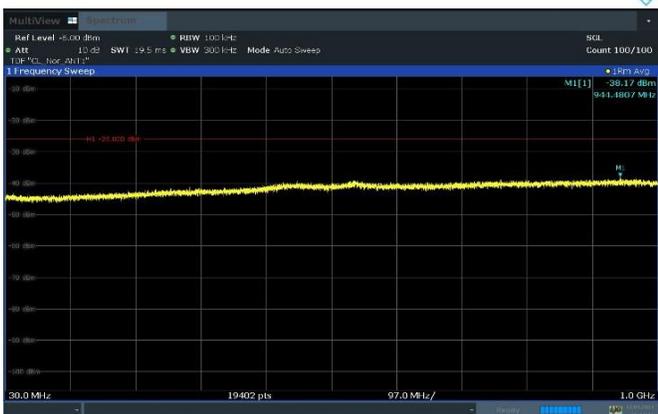
Plot 8-147. Conducted Spurious Emission Plot
10 GHz to 22 GHz
(n66_1C_30M_2T_16QAM - High Channel, Port 0)



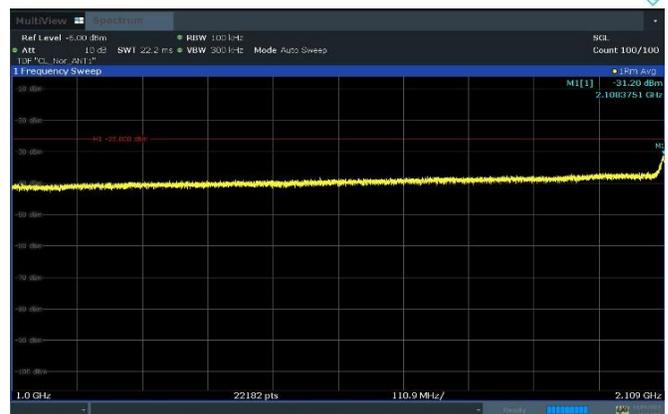
Plot 8-148. Conducted Spurious Emission Plot
9 kHz to 150 kHz
(n66/B66_3C_NR_30M+LTE_10M+NR_5M_2T_QAM - Low Channel, Port 1)



Plot 8-149. Conducted Spurious Emission Plot
150 kHz to 30 MHz
(n66/B66_3C_NR_30M+LTE_10M+NR_5M_2T_QAM - Low Channel, Port 1)

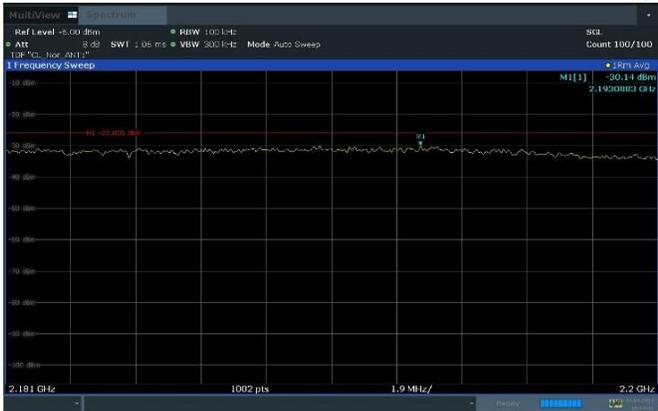


Plot 8-150. Conducted Spurious Emission Plot
30 MHz to 1 GHz
(n66/B66_3C_NR_30M+LTE_10M+NR_5M_2T_QAM - Low Channel, Port 1)

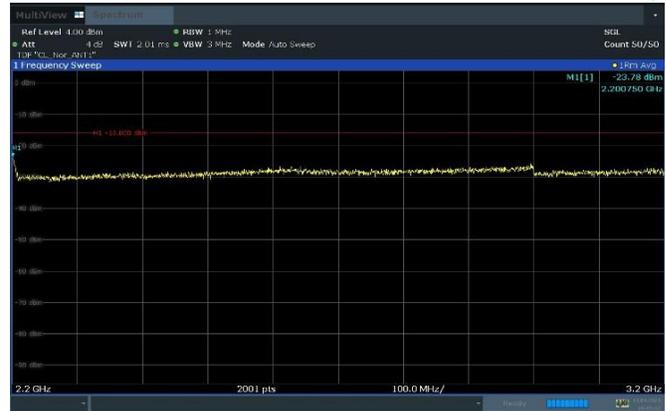


Plot 8-151. Conducted Spurious Emission Plot
1 GHz to 2.109 GHz
(n66/B66_3C_NR_30M+LTE_10M+NR_5M_2T_QAM - Low Channel, Port 1)

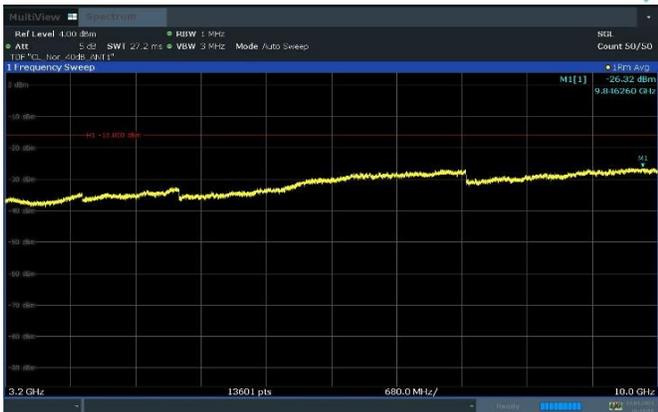
FCC ID: A3LRF4439D-25A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K24022601-00.A3L	Test Dates: 03/18/2024 - 04/29/2024	EUT Type: RRU(RF4439d)		Page 86 of 114



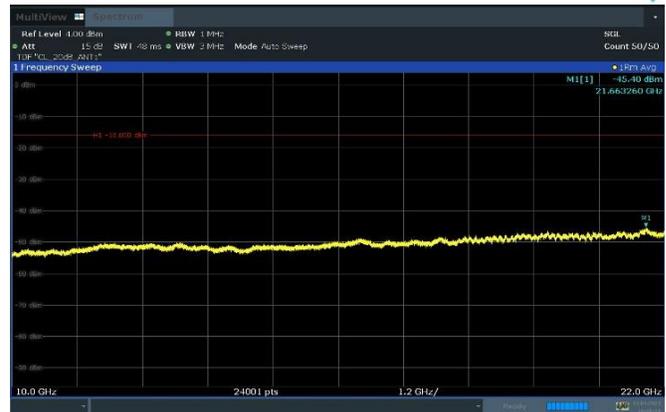
Plot 8-152. Conducted Spurious Emission Plot
2.181 MHz to 2.2 GHz
(n66/B66_3C_NR_30M+LTE_10M+NR_5M_2T_QAM - Low Channel, Port 1)



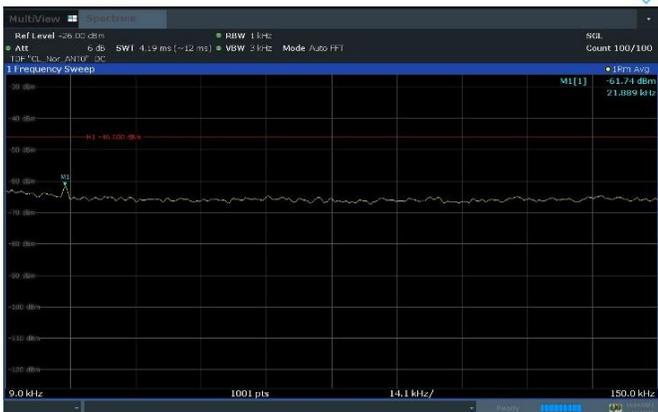
Plot 8-153. Conducted Spurious Emission Plot
2.2 GHz to 3.2 GHz
(n66/B66_3C_NR_30M+LTE_10M+NR_5M_2T_QAM - Low Channel, Port 1)



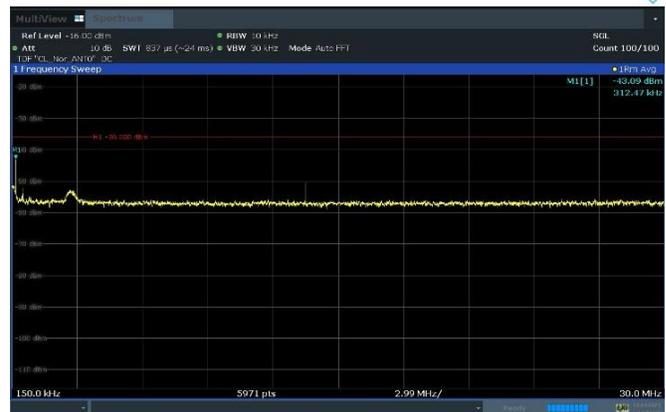
Plot 8-154. Conducted Spurious Emission Plot
3.2 GHz to 10 GHz
(n66/B66_3C_NR_30M+LTE_10M+NR_5M_2T_QAM - Low Channel, Port 1)



Plot 8-155. Conducted Spurious Emission Plot
10 GHz to 22 GHz
(n66/B66_3C_NR_30M+LTE_10M+NR_5M_2T_QAM - Low Channel, Port 1)



Plot 8-156. Conducted Spurious Emission Plot
9 kHz to 150 kHz
(n66/B66_3NC_NR_25M+LTE_10M+NR_5M_2T_QPSK, Port 0)



Plot 8-157. Conducted Spurious Emission Plot
150 kHz to 30 MHz
(n66/B66_3NC_NR_25M+LTE_10M+NR_5M_2T_QPSK, Port 0)

FCC ID: A3LRF4439D-25A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
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