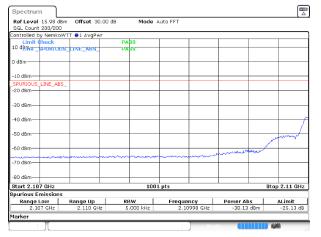


# 8.5.5.3 Operating frequency band: Band 66: 2110-2200 MHz

Table 8.5-5: Spurious emissions at RF connector test data, narrowband

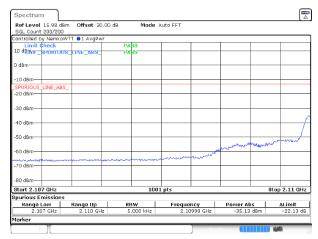
Condition	Frequency of highest emission (MHz)	Level (dBm)	Limit (dBm)
Input Level = AGC Threshold - 0.5 dB Input signal = narrowband Number of signals: 2 Low band edge	2109.977	-38.13	-13.00
Input Level = AGC Threshold - 0.5 dB Input signal = narrowband Number of signals: 1 Low band edge	2109.989	-35.31	-13.00
Input Level = AGC Threshold +3 dB Input signal = narrowband Number of signals: 2 Low band edge	2109.977	-35.13	-13.00
Input Level = AGC Threshold + 3 dB Input signal = narrowband Number of signals: 1 Low band edge	2109.995	-31.92	-13.00
Input Level = AGC Threshold - 0.5 dB Input signal = narrowband Number of signals: 2 High band edge	2200.019	-38.95	-13.00
Input Level = AGC Threshold - 0.5 dB Input signal = narrowband Number of signals: 1 High band edge	2200.010	-36.03	-13.00
Input Level = AGC Threshold +3 dB Input signal = narrowband Number of signals: 2 High band edge	2200.016	-35.36	-13.00
Input Level = AGC Threshold + 3 dB Input signal = narrowband Number of signals: 1 High band edge	2200.013	-32.81	-13.00



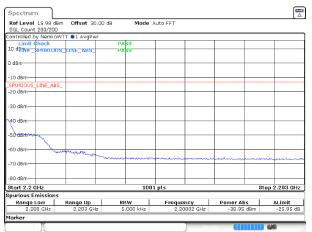
Low band edge, 2 signals, level = AGC Threshold - 0.5

Low band edge, 1 signal, level = AGC Threshold - 0.5

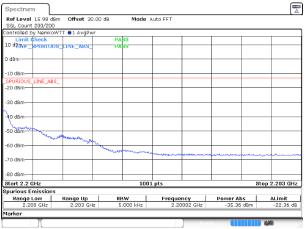




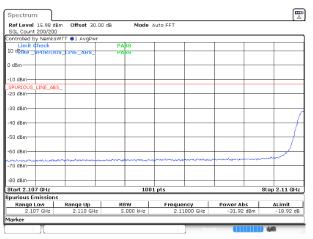
Low band edge, 2 signals, level = AGC Threshold + 3



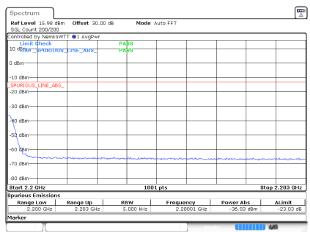
High band edge, 2 signals, level = AGC Threshold - 0.5



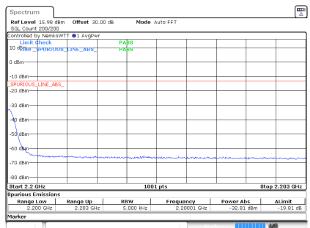
High band edge, 2 signals, level = AGC Threshold + 3



Low band edge, 1 signal, level = AGC Threshold + 3



High band edge, 1 signal, level = AGC Threshold - 0.5

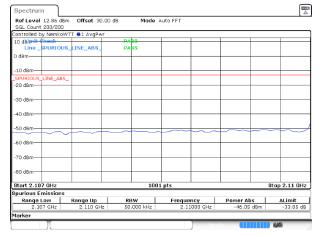


Low band edge, 1 signal, level = AGC Threshold + 3



Table 8.5-6: Spurious emissions at RF connector test data, broadband

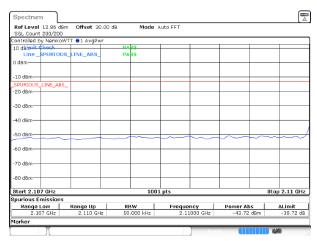
Condition	Frequency of highest emission (MHz)	Level (dBm)	Limit (dBm)
Input Level = AGC Threshold - 0.5 dB Input signal = broadband Number of signals: 2 Low band edge	2109.998	-46.05	-13.00
Input Level = AGC Threshold - 0.5 dB Input signal = broadband Number of signals: 1 Low band edge	2109.998	-41.71	-13.00
Input Level = AGC Threshold +3 dB Input signal = broadband Number of signals: 2 Low band edge	2109.998	-43.72	-13.00
Input Level = AGC Threshold + 3 dB Input signal = broadband Number of signals: 1 Low band edge	2109.998	-41.01	-13.00
Input Level = AGC Threshold - 0.5 dB Input signal = broadband Number of signals: 2 High band edge	2200.001	-45.09	-13.00
Input Level = AGC Threshold - 0.5 dB Input signal = broadband Number of signals: 1 High band edge	2200.001	-42.74	-13.00
Input Level = AGC Threshold +3 dB Input signal = broadband Number of signals: 2 High band edge	2200.001	-43.90	-13.00
Input Level = AGC Threshold + 3 dB Input signal = broadband Number of signals: 1 High band edge	2200.001	-41.22	-13.00



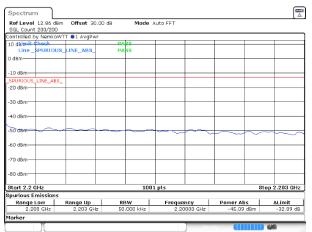
Low band edge, 2 signals, level = AGC Threshold - 0.5

Low band edge, 1 signal, level = AGC Threshold - 0.5

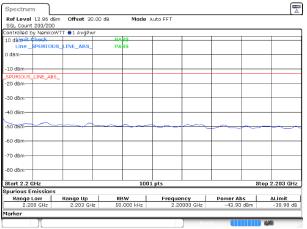




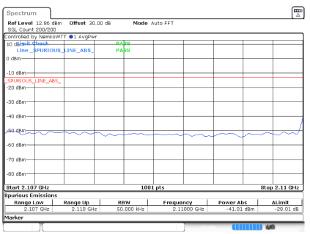
Low band edge, 2 signals, level = AGC Threshold + 3



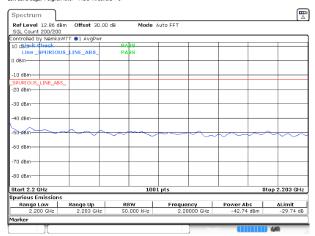
High band edge, 2 signals, level = AGC Threshold - 0.5



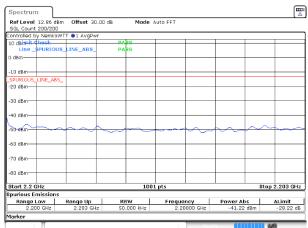
High band edge, 2 signals, level = AGC Threshold + 3



Low band edge, 1 signal, level = AGC Threshold + 3



High band edge, 1 signal, level = AGC Threshold - 0.5



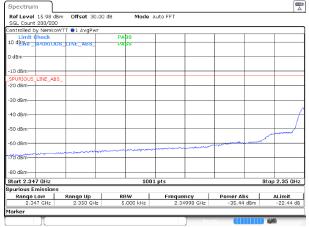
Low band edge, 1 signal, level = AGC Threshold + 3

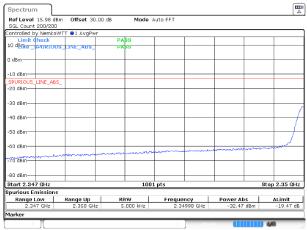


# 8.5.5.4 Operating frequency band: Band 30: 2350-2360 MHz

Table 8.5-7: Spurious emissions at RF connector test data, narrowband

Condition	Frequency of highest emission (MHz)	Level (dBm)	Limit (dBm)
Input Level = AGC Threshold - 0.5 dB Input signal = narrowband Number of signals: 2 Low band edge	2349.984	-35.44	-13.00
Input Level = AGC Threshold - 0.5 dB Input signal = narrowband Number of signals: 1 Low band edge	2349.984	-32.47	-13.00
Input Level = AGC Threshold +3 dB Input signal = narrowband Number of signals: 2 Low band edge	2349.989	-32.10	-13.00
Input Level = AGC Threshold + 3 dB Input signal = narrowband Number of signals: 1 Low band edge	2349.984	-29.27	-13.00
Input Level = AGC Threshold - 0.5 dB Input signal = narrowband Number of signals: 2 High band edge	2360.016	-35.58	-13.00
Input Level = AGC Threshold - 0.5 dB Input signal = narrowband Number of signals: 1 High band edge	2360.013	-32.59	-13.00
Input Level = AGC Threshold +3 dB Input signal = narrowband Number of signals: 2 High band edge	2360.016	-32.18	-13.00
Input Level = AGC Threshold + 3 dB Input signal = narrowband Number of signals: 1 High band edge	2360.013	-29.35	-13.00

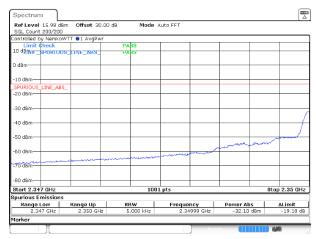




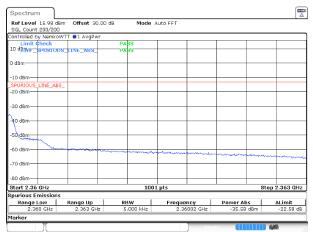
Low band edge, 2 signals, level = AGC Threshold - 0.5

Low band edge, 1 signal, level = AGC Threshold - 0.5

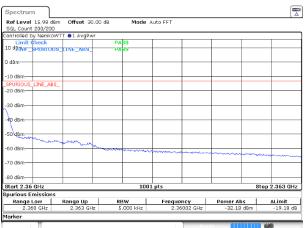




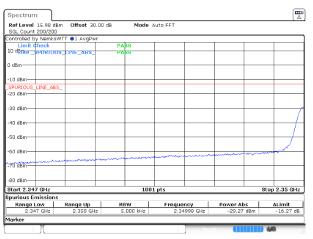
Low band edge, 2 signals, level = AGC Threshold + 3



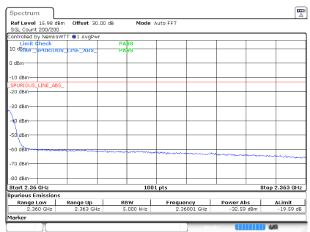
High band edge, 2 signals, level = AGC Threshold - 0.5



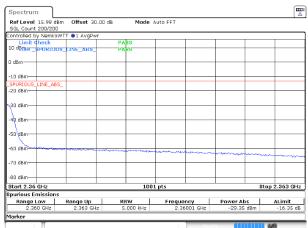
High band edge, 2 signals, level = AGC Threshold + 3



Low band edge, 1 signal, level = AGC Threshold + 3



High band edge, 1 signal, level = AGC Threshold - 0.5

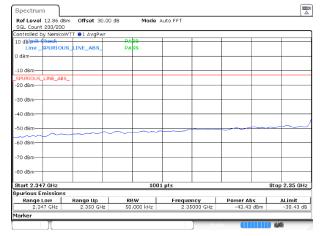


Low band edge, 1 signal, level = AGC Threshold + 3



Table 8.5-8: Spurious emissions at RF connector test data, broadband

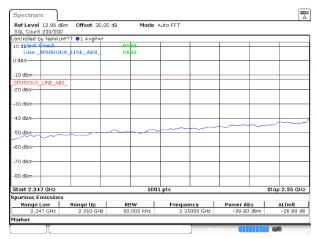
Condition	Frequency of highest emission (MHz)	Level (dBm)	Limit (dBm)
Input Level = AGC Threshold - 0.5 dB Input signal = broadband Number of signals: 2 Low band edge	2349.998	-43.43	-13.00
Input Level = AGC Threshold - 0.5 dB Input signal = broadband Number of signals: 1 Low band edge	2349.998	-40.25	-13.00
Input Level = AGC Threshold +3 dB Input signal = broadband Number of signals: 2 Low band edge	2349.998	-39.80	-13.00
Input Level = AGC Threshold + 3 dB Input signal = broadband Number of signals: 1 Low band edge	2349.998	-38.01	-13.00
Input Level = AGC Threshold - 0.5 dB Input signal = broadband Number of signals: 2 High band edge	2360.001	-44.30	-13.00
Input Level = AGC Threshold - 0.5 dB Input signal = broadband Number of signals: 1 High band edge	2360.001	-41.37	-13.00
Input Level = AGC Threshold +3 dB Input signal = broadband Number of signals: 2 High band edge	2360.001	-41.51	-13.00
Input Level = AGC Threshold + 3 dB Input signal = broadband Number of signals: 1 High band edge	2360.001	-38.98	-13.00



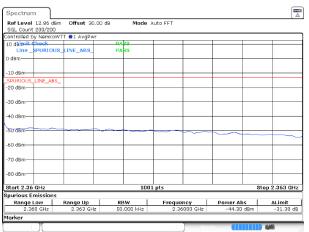
Low band edge, 2 signals, level = AGC Threshold - 0.5

Low band edge, 1 signal, level = AGC Threshold - 0.5

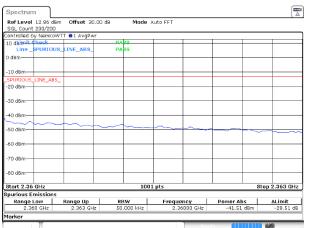




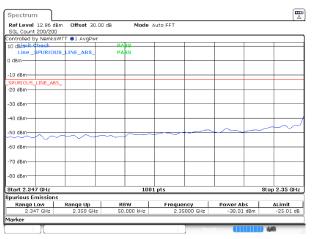
Low band edge, 2 signals, level = AGC Threshold + 3



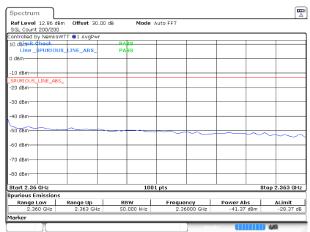
High band edge, 2 signals, level = AGC Threshold - 0.5



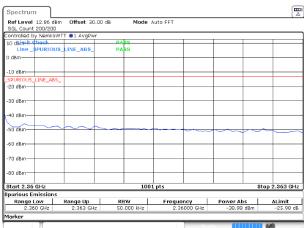
High band edge, 2 signals, level = AGC Threshold + 3



Low band edge, 1 signal, level = AGC Threshold + 3



High band edge, 1 signal, level = AGC Threshold - 0.5



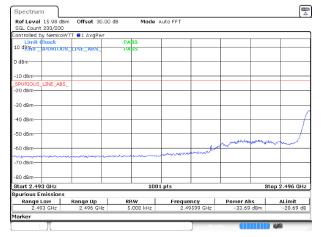
Low band edge, 1 signal, level = AGC Threshold + 3

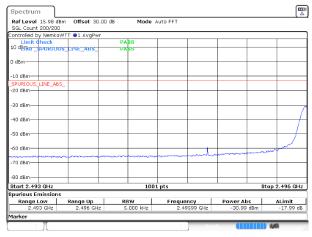


# 8.5.5.5 Operating frequency band: Band 41: 2496-2690 MHz

**Table 8.5-9:** Spurious emissions at RF connector test data, narrowband

Condition	Frequency of highest emission (MHz)	Level (dBm)	Limit (dBm)
Input Level = AGC Threshold - 0.5 dB Input signal = narrowband Number of signals: 2 Low band edge	2495.987	-33.69	-13.00
Input Level = AGC Threshold - 0.5 dB Input signal = narrowband Number of signals: 1 Low band edge	2495.989	-30.99	-13.00
Input Level = AGC Threshold +3 dB Input signal = narrowband Number of signals: 2 Low band edge	2495.984	-31.00	-13.00
Input Level = AGC Threshold + 3 dB Input signal = narrowband Number of signals: 1 Low band edge	2495.978	-28.10	-13.00
Input Level = AGC Threshold - 0.5 dB Input signal = narrowband Number of signals: 2 High band edge	2690.013	-34.69	-13.00
Input Level = AGC Threshold - 0.5 dB Input signal = narrowband Number of signals: 1 High band edge	2690.010	-31.43	-13.00
Input Level = AGC Threshold +3 dB Input signal = narrowband Number of signals: 2 High band edge	2690.004	-30.89	-13.00
Input Level = AGC Threshold + 3 dB Input signal = narrowband Number of signals: 1 High band edge	2690.016	-28.23	-13.00



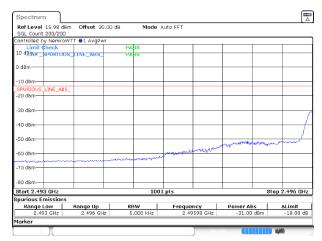


Low band edge, 2 signals, level = AGC Threshold - 0.5

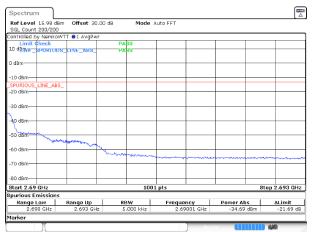
Low band edge, 1 signal, level = AGC Threshold - 0.5

Spurious emissions at RF connector

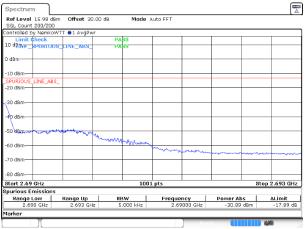




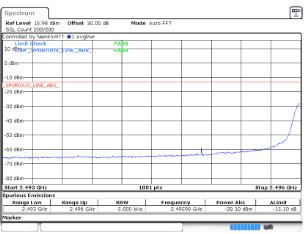
Low band edge, 2 signals, level = AGC Threshold + 3



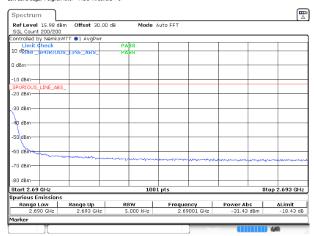
High band edge, 2 signals, level = AGC Threshold - 0.5



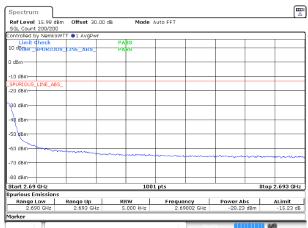
High band edge, 2 signals, level = AGC Threshold + 3



Low band edge, 1 signal, level = AGC Threshold + 3



High band edge, 1 signal, level = AGC Threshold - 0.5

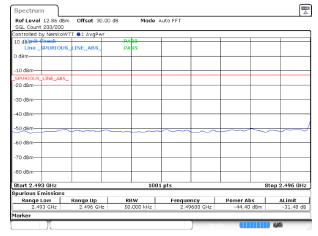


Low band edge, 1 signal, level = AGC Threshold + 3



 Table 8.5-10:
 Spurious emissions at RF connector test data, broadband

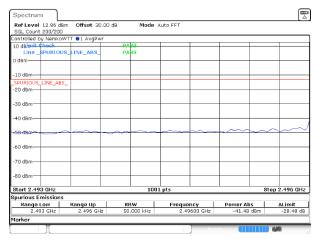
Condition	Frequency of highest emission (MHz)	Level (dBm)	Limit (dBm)
Input Level = AGC Threshold - 0.5 dB Input signal = broadband Number of signals: 2 Low band edge	2495.998	-44.40	-13.00
Input Level = AGC Threshold - 0.5 dB Input signal = broadband Number of signals: 1 Low band edge	2495.998	-40.73	-13.00
Input Level = AGC Threshold +3 dB Input signal = broadband Number of signals: 2 Low band edge	2495.998	-41.48	-13.00
Input Level = AGC Threshold + 3 dB Input signal = broadband Number of signals: 1 Low band edge	2495.998	-40.11	-13.00
Input Level = AGC Threshold - 0.5 dB Input signal = broadband Number of signals: 2 High band edge	2690.001	-44.90	-13.00
Input Level = AGC Threshold - 0.5 dB Input signal = broadband Number of signals: 1 High band edge	2690.001	-40.33	-13.00
Input Level = AGC Threshold +3 dB Input signal = broadband Number of signals: 2 High band edge	2690.001	-42.27	-13.00
Input Level = AGC Threshold + 3 dB Input signal = broadband Number of signals: 1 High band edge	2690.001	-38.74	-13.00



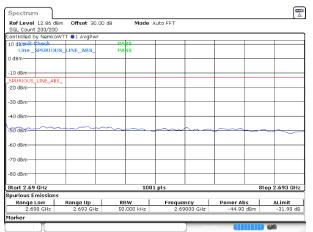
Low band edge, 2 signals, level = AGC Threshold - 0.5

Low band edge, 1 signal, level = AGC Threshold - 0.5

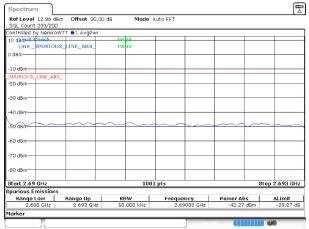




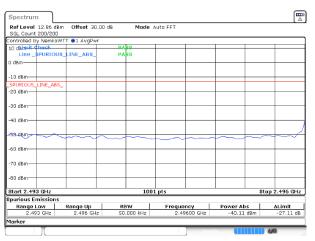
Low band edge, 2 signals, level = AGC Threshold + 3



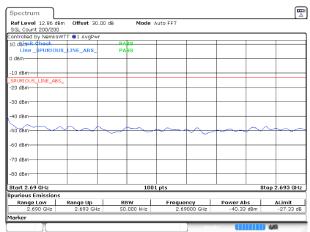
High band edge, 2 signals, level = AGC Threshold - 0.5



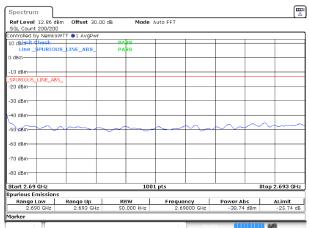
High band edge, 2 signals, level = AGC Threshold + 3



Low band edge, 1 signal, level = AGC Threshold + 3



High band edge, 1 signal, level = AGC Threshold - 0.5

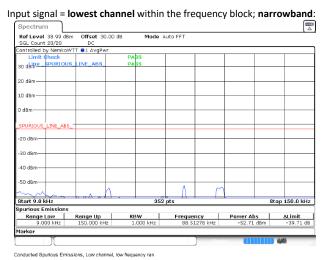


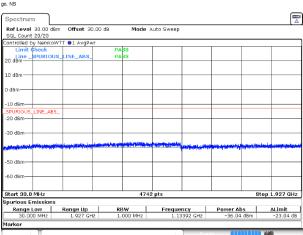
Low band edge, 1 signal, level = AGC Threshold + 3



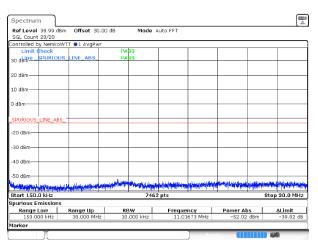
### 8.5.6 Test data - conducted spurious emissions:

### 8.5.6.1 Operating frequency band: Band 25: 1930 – 1995 MHz

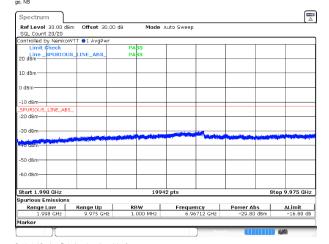




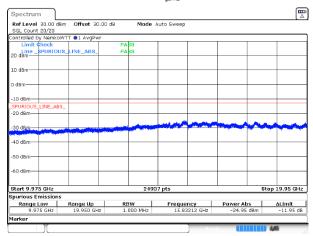
Conducted Spurious Emissions, Low channel, low frequency ran ge, NB



Conducted Spurious Emissions, Low channel, low frequency ran



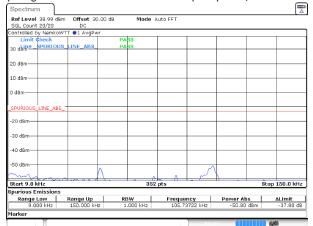
Conducted Spurious Emissions, Low channel, low frequency ran

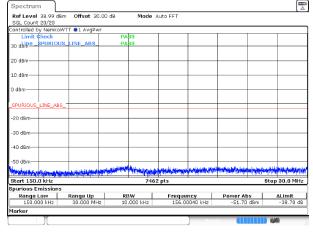


ge, NB

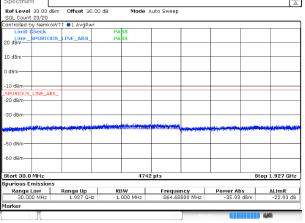


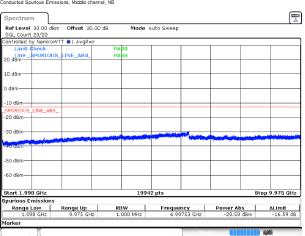
Input signal = middle channel within the frequency block; narrowband:





Spectrum

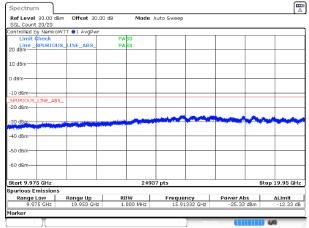




Conducted Spurious Emissions, Middle channel, NB

Conducted Spurious Emissions, Middle channel, NB

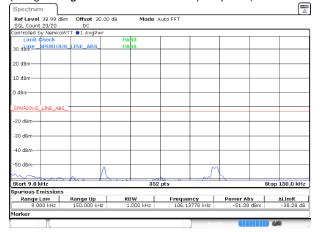


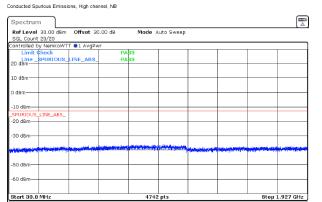


Conducted Sourious Emissions, Middle channel, NB



Input signal = highest channel within the frequency block; narrowband:

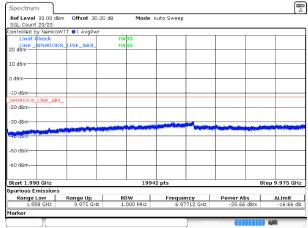




 RBW
 Frequency
 Power Abs
 ΔLimit

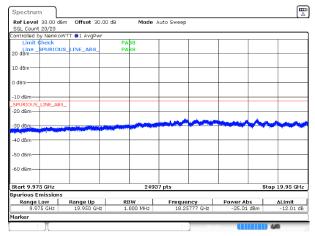
 1.000 MHz
 1.00990 GHz
 -36.01 dBm
 -23.01 dB

nducted Spurious Emissions, High channel NB



Conducted Spurious Emissions, High channel, NB

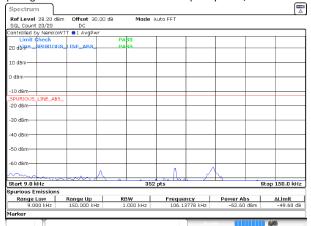




Conducted Spurious Emissions, High channel, NB

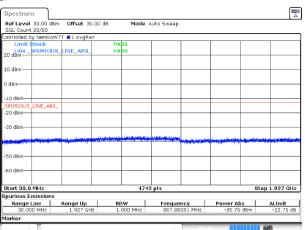


Input signal = **lowest channel** within the frequency block; **broadband**:



Conducted Spurious Emissions, Low channel, low frequency ran

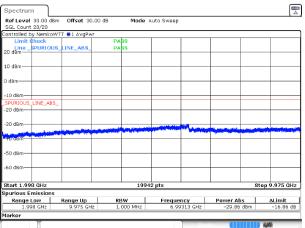
ge, BB



Conducted Spurious Emissions, Low channel, low frequency ran ge, BB

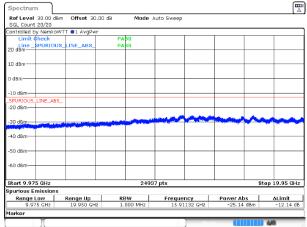
Spectrum Ref Level 28.20 dBm Offset 30.00 dB SGL Count 20/20 Controlled by NemkoWTT @1 AvgPwr Limit check Mode Auto FFT 10 dBm O dBm -10 dBm URIOUS\_LINE\_ABS\_ -20 dBm -30 dBm 40 dBm 

ge, BB



Conducted Spurious Emissions, Low channel, low frequency ran

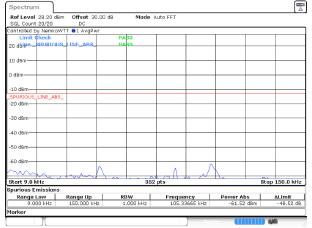
ge, BB



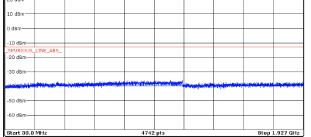
Conducted Spurious Emissions, Low channel, low frequency ran



Input signal = middle channel within the frequency block; broadband:



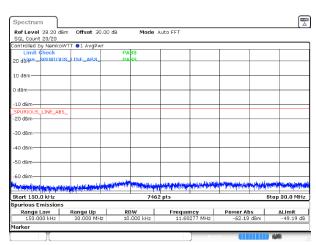




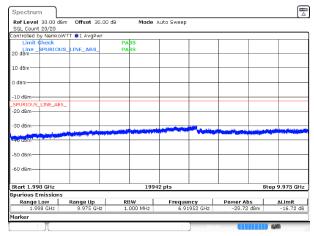
 RBW
 Frequency
 Power Abs
 ΔLimit

 1.000 MHz
 1.09231 GHz
 -95.73 dBm
 -22.73 dB

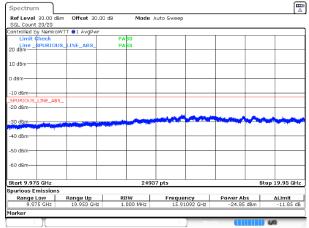
Conducted Spurious Emissions, Middle channel, BB



anducted Spurious Emissions, Middle channel, BB



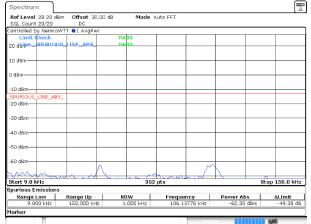
Conducted Spurious Emissions, Middle channel, BB

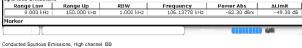


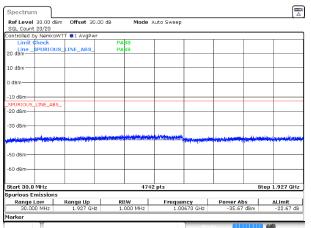
Conducted Spurious Emissions, Middle channel, BB

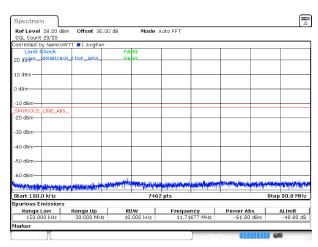


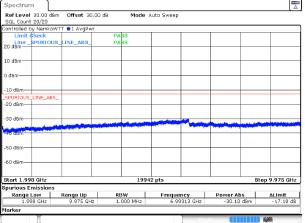




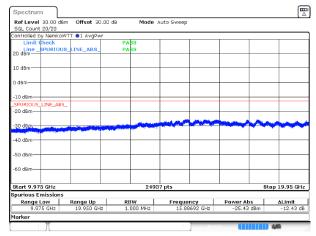








Conducted Spurious Emissions, High channel, BB



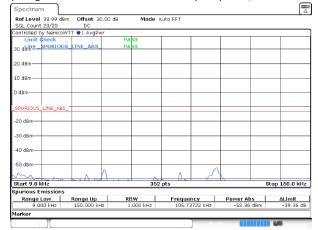
Conducted Spurious Emissions, High channel, BB

Conducted Spurious Emissions, High channel, BB

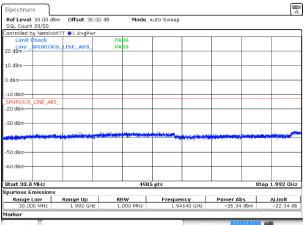


### Operating frequency band: Band 70: 1995 – 2020 MHz 8.5.6.2

Input signal = lowest channel within the frequency block; narrowband:

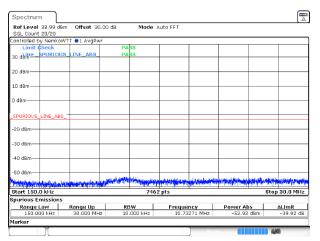


Conducted Spurious Emissions, Low channel, low frequency ran

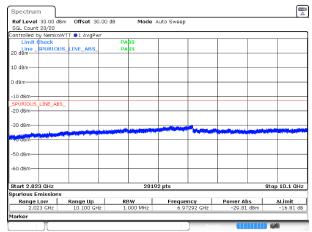


Conducted Spurious Emissions, Low channel, low frequency ran

ge, NB



Conducted Spurious Emissions, Low channel, low frequency ran



ge, NB

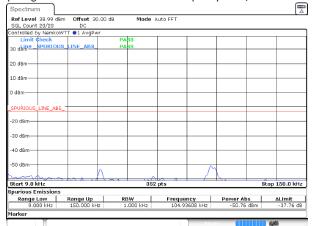
Ref Level 30.00 dBm Offset 30.00 dB 20 dBm--40 dBm-Stop 20.2 GHz Start 10.1 GHz 25250 pts RBW Frequency 1.000 MHz 15.82900 GHz Power Abs ΔLimit

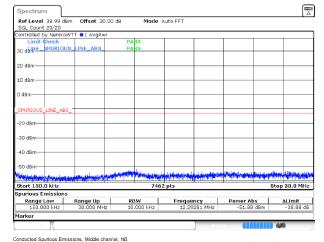
Conducted Spurious Emissions, Low channel, low frequency ran

ge, NB

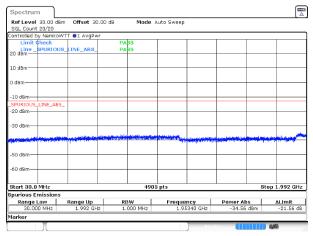


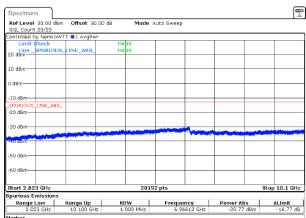
Input signal = middle channel within the frequency block; narrowband:





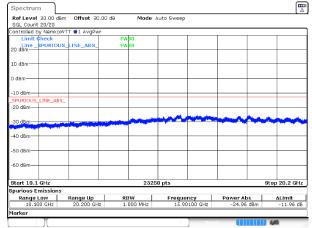
Conducted Spurious Emissions, Middle channel, NB





Conducted Spurious Emissions, Middle channel, NB

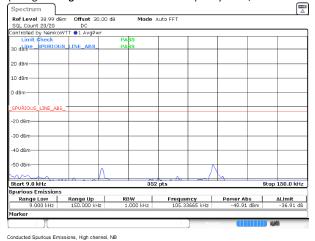


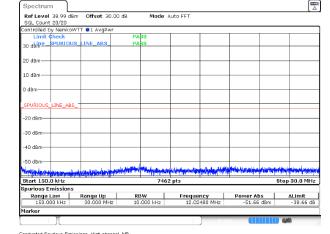


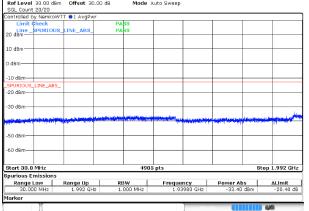
Conducted Spurious Emissions, Middle channel, NB

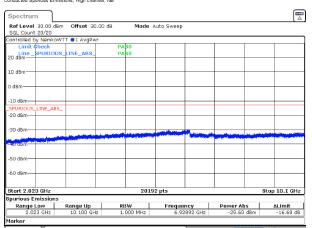


Input signal = **highest channel** within the frequency block; **narrowband**:



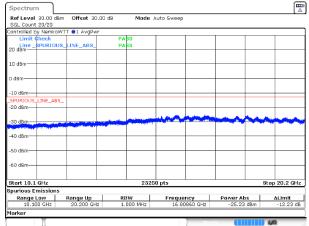






Conducted Spurious Emissions, High channel, NB

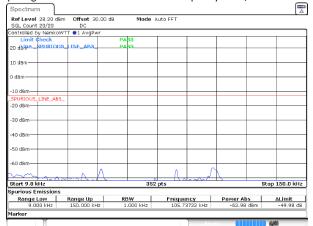




Conducted Spurious Emissions, High channel, NB

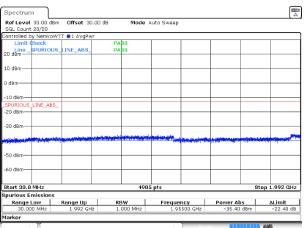


Input signal = **lowest channel** within the frequency block; **broadband**:



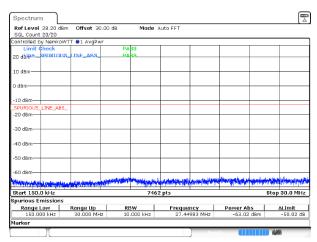
Conducted Spurious Emissions, Low channel, low frequency ran

ge, BB



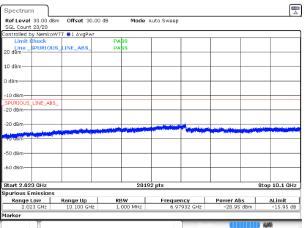
Conducted Spurious Emissions, Low channel, low frequency ran ge, BB

ran



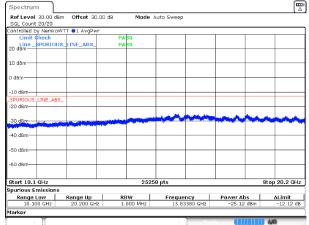
Conducted Spurious Emissions, Low channel, low frequency rar

ge, BB



Conducted Spurious Emissions, Low channel, low frequency ran

ge, BB

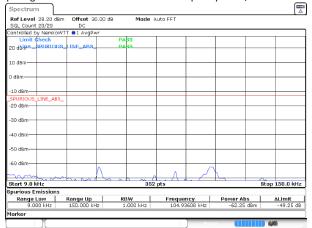


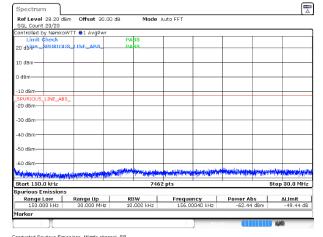
Conducted Spurious Emissions, Low channel, low frequency ran

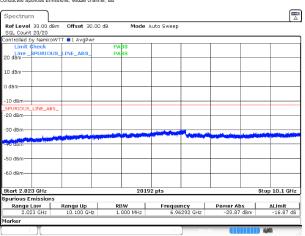
ge, BB



Input signal = middle channel within the frequency block; broadband:

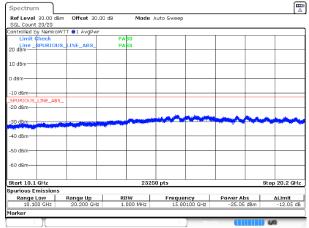






Conducted Spurious Emissions, Middle channel, BB

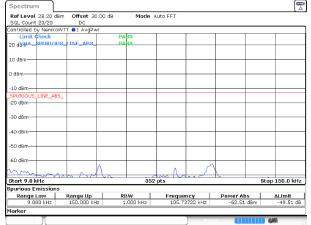




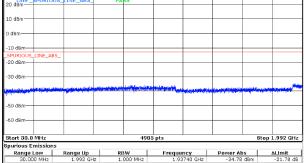
Conducted Spurious Emissions, Middle channel, BB



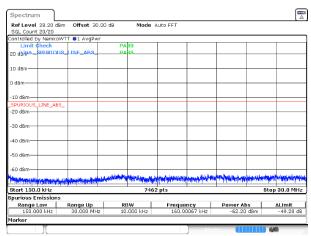


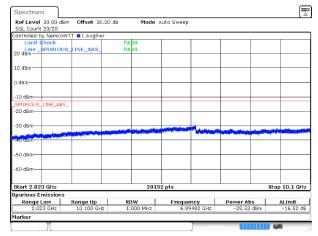




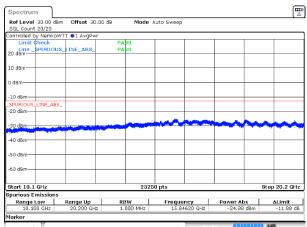








Conducted Spurious Emissions, High channel, BB

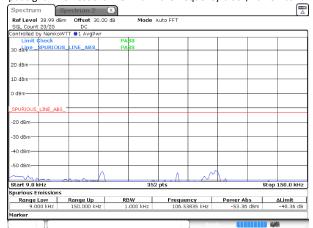


Conducted Spurious Emissions, High channel, BB



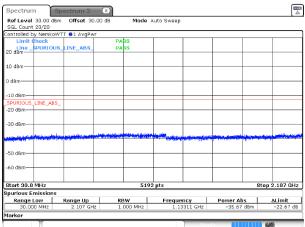
## 8.5.6.3 Operating frequency band: Band 66: 2110 – 2200 MHz

Input signal = lowest channel within the frequency block; narrowband:



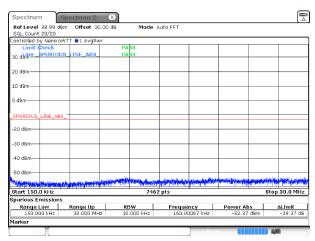
Conducted Spurious Emissions, Low channel, low frequency ran

ge, NB

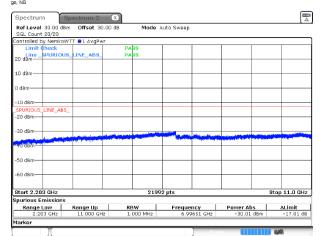


Conducted Spurious Emissions, Low channel, low frequency ran ge, NB

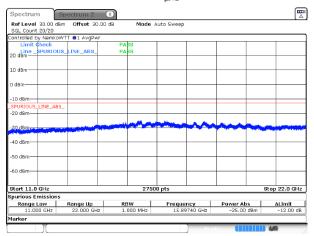
.



Conducted Spurious Emissions, Low channel, low frequency ran



Conducted Spurious Emissions, Low channel, low frequency ran go, NB

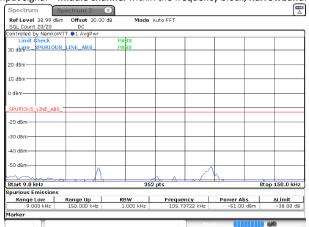


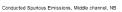
Conducted Spurious Emissions, Low channel, low frequency ran ge, NB

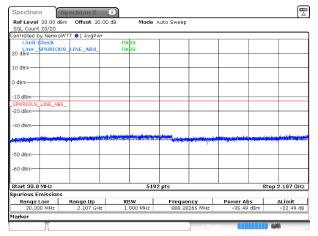
ge, N



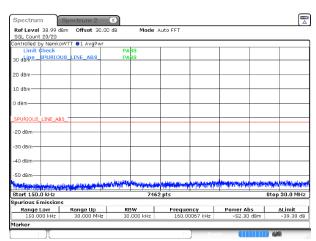
Input signal = middle channel within the frequency block; narrowband:



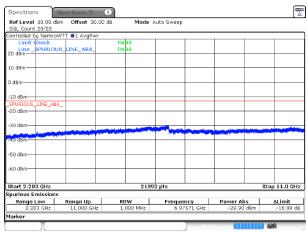




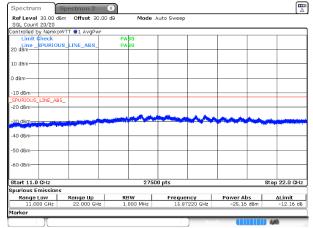
Conducted Spurious Emissions, Middle channel, NB



Conducted Spurious Emissions, Middle channel, NB



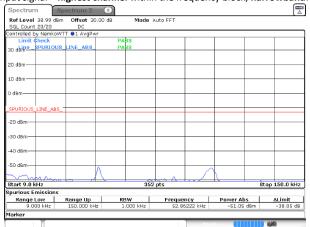
Conducted Spurious Emissions, Middle channel, NB

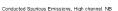


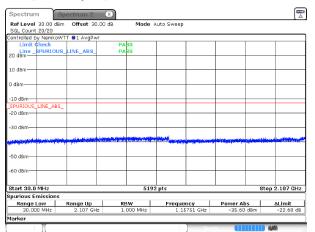
Conducted Spurious Emissions, Middle channel, NB



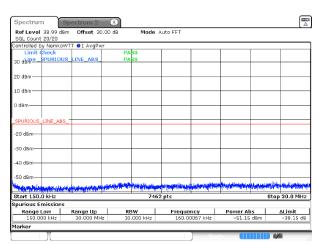
Input signal = highest channel within the frequency block; narrowband:



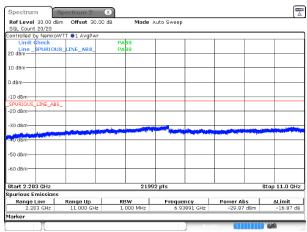




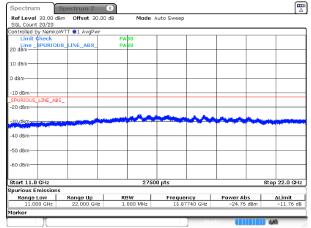
Conducted Spurious Emissions, High channel, NB



onducted Spurious Emissions, High channel NB



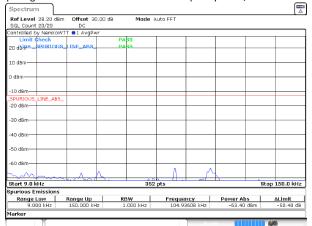
Conducted Spurious Emissions, High channel, NB



Conducted Spurious Emissions, High channel, NB

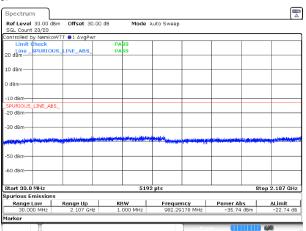


Input signal = **lowest channel** within the frequency block; **broadband**:



Conducted Spurious Emissions, Low channel, low frequency ran

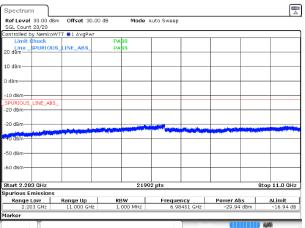
ge, BB



Conducted Spurious Emissions, Low channel, low frequency ran ge, BB

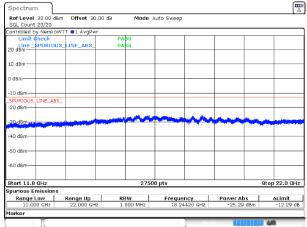
Ref Level 28.20 dBm Offset 30.00 dB SGL Count 20/20 Controlled by NemkoWTT @1 AvgPwr Limit check Mode Auto FFT 10 dBm O dBm -10 dBm URIOUS\_LINE\_ABS\_ -20 dBm -30 dBm 40 dBm ge, BB

Spectrum



Conducted Spurious Emissions, Low channel, low frequency ran

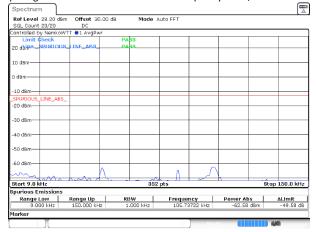
ge, BB

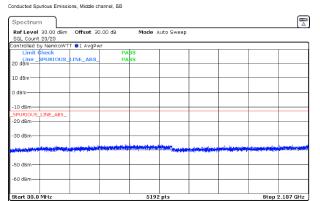


Conducted Spurious Emissions, Low channel, low frequency ran



Input signal = middle channel within the frequency block; broadband:



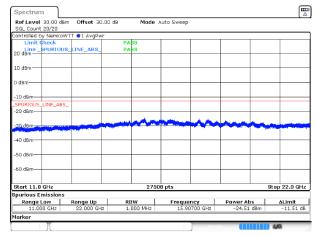


 RBW
 Frequency
 Power Abs
 ΔLimit

 1.000 MHz
 2.10640 GHz
 -35.42 dBm
 -22.42 dB

Conducted Spurious Emissions, Middle channel, BB

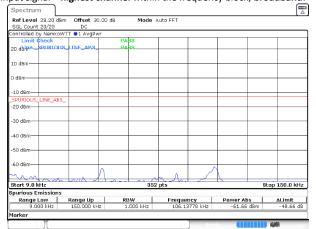
Conducted Spurious Emissions, Middle channel, BB

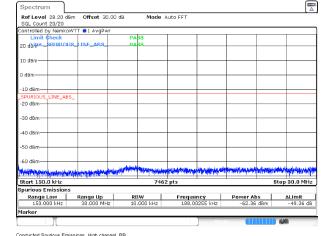


Conducted Spurious Emissions, Middle channel, BB

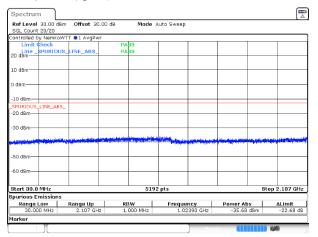


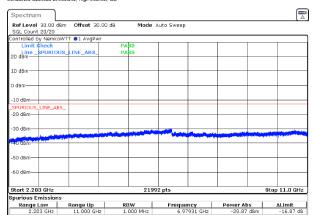






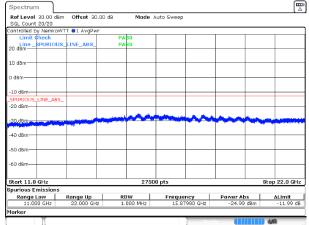
Conducted Spurious Emissions, High channel, BB





Conducted Spurious Emissions, High channel, BB



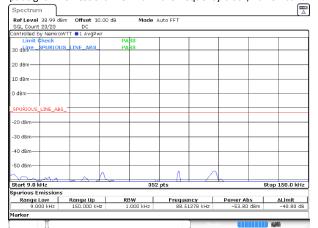


Conducted Spurious Emissions, High channel, BB



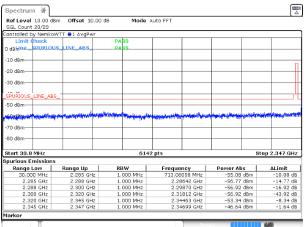
## 8.5.6.4 Operating frequency band: Band 30: 2350 – 2360 MHz

Input signal = **lowest channel** within the frequency block; **narrowband**:



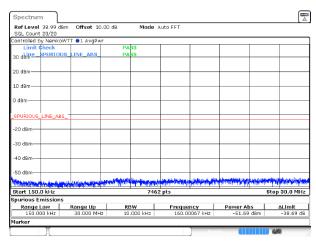
Conducted Spurious Emissions, Low channel, low frequency ran

ge, NB



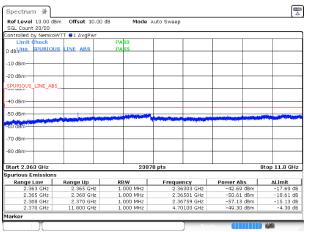
Conducted Spurious Emissions, Low channel, low frequency ran ge, NB

.



Conducted Spurious Emissions, Low channel, low frequency ran

ge, NB

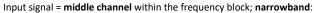


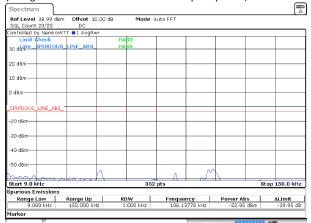
Conducted Spurious Emissions, Low channel, low frequency ran go, NB

Conducted Spurious Emissions, Low channel, low frequency range, NB

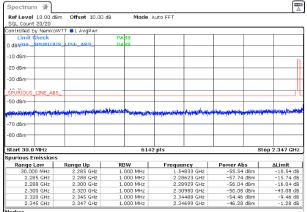
ge, N



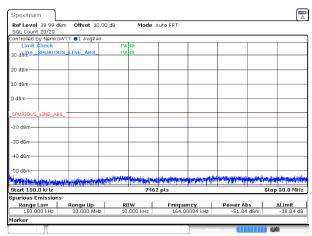




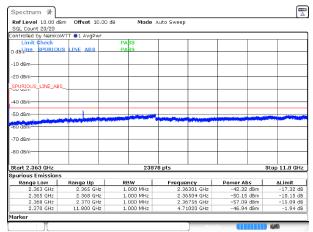




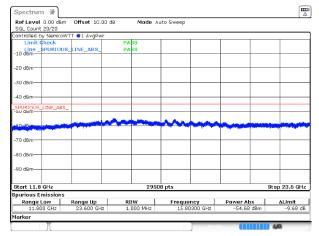
Conducted Spurious Emissions, Middle channel, NB



and retail Considers Emissions Widole channel NO



Conducted Spurious Emissions, Middle channel, NB



Conducted Spurious Emissions, Middle channel, NB