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LTE Band 26 (Part 22)



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8.4.1. EMISSION MASK RESULT



LTE Band 26 (Part 90)_Full RB

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LTE Band 26 (Part 90) 1 RB (Worst Case)

| | 🎉 Keysight Spectru | im Analyzer - 31870 | | | | | | | | - 6 × |
|-----------|--------------------|---------------------|--------------|------------|-----------------|-----------------|----------|------------|-----------|--------------------------|
| | CXI RL | RF 50 Ω A | c | | SENSE:INT | | ALIGN AU | ло | | 12:14:05 PM Mar 26, 2025 |
| | Center Free | q 814.70000 | 0 MHz | | Cente | er Freq: 814.70 | 0000 MHz | a: 100 00% | Radi | o Std: None |
| | PASS | | 1 | IFGain:Low | #Atte | n: 30 dB | AV | g: 100.00% | Radi | o Device: BTS |
| | | Ref Offset 15. | 63 dB | | | | | | | |
| | 10 district Window | 1 Ref 30.0 dE | im | | | | | | | Reserve L Res |
| | 20.0 | | | | | | | | | |
| | 20.0 | | | | 5 | | | | | |
| | 10.0 | | | | | | | | | |
| | 0.00 | | | | | | | | | |
| | -10.0 | | | | $/ \rightarrow$ | | | | | Aboshde Limi |
| | 20.0 | | | | | | | | | |
| 1.4 MHz | | | | | | \sim | | | | |
| | -30.0 | | | | | | ~ | | | |
| | -40.0 | | | | | \sim | | | | Station |
| OPSK | -50.0 | | 1 | | | | | | | |
| | -60.0 | | | | | | | | | |
| | 00.0 | | | | | | | | | |
| 1RB | Center 814. | 7 MHz | | | | | | | | Span 5.4 MHz |
| " | | | | | | | | | | |
| offstet U | Total Rower | Pof 33.3 | 0 dBm / 14 | MHZ | | | | | | |
| | Total Power | Kei 23.2 | J UDIII/ 1.4 | IVIT12 | | | | | | |
| | | | | | Lower | <. I | Peak .> | Unner | | |
| | Start Freq | Stop Freq | Integ BW | dBm | ∆Lim(dB) | Freq (Hz) | dBm | ∆Lim(dB) | Freq (Hz) | |
| | 0.0 Hz | 37.50 kHz | 300.0 Hz | -33.39 | (-13.39) | -4.050 k | -61.57 | (-41.57) | 0.0 ^ | |
| | 37.50 kHz | 2.000 MHz | 100.0 kHz | -16.16 | (-3.16) | -37.50 k | -40.71 | (-27.71) | 645.9 k | |
| | 4.000 MHz | 6.000 MHz | 1.000 MHz | | () | | | () | 8 | |
| | 0.0 Hz | 1.000 MHz | 1.000 MHz | | () | | | () | | |
| | 1.000 MHz | 5.000 MHz | 1.000 MHz | | () | | | () | | |
| | 5.000 MHz | 6.000 MHz | 1.000 MHz | | () | | | () | | |
| | 6.000 MHz | 100.0 MHz | 1.000 MHz | | () | | | () | | |
| | MSG | | | | | | ST | TATUS | | |
| | | | | | Hiah | channe | el l | | | |
| | | | | | | | | | | |

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LTE Band 26 (Straddle) Full RB

| | | 🇯 Keysight Spectrun | m Analyzer - 31870 | | | | | | | | | |
|------------------------|---|--|--|--|--|---|---|---|--|-------------------------------------|--|---|
| | | RL I | RF 50Ω A0 | | | SENSE:INT | | ALIGN AUTO | | | 06:34:4 | 3 PM Mar 25, 2025 |
| | | Center Freq | 824.00000 | 0 MHz | | Cente | r Freq: 824.000 | 0000 MHz | 00.00% | F 10 | Radio Std: N | one |
| | | PASS | | 16 | Gain:Low | #Atte | n: 30 dB | Avg. | 00.00 % 0 | F 10 | Radio Devic | e: BTS |
| | | · · · · · | | | Gameon | | | | | - | | |
| | | | Ref Offset 15.6 | 3 dB | | | | | | | | |
| | | 10 dibitititimdow1 | Ref 30.0 dB | m | | | | | | | | |
| | | Log | | | | | | | | | | Rolaryo Cris |
| | | 20.0 | | | | | | | | | | |
| | | 10.0 | | | - | | | | | | | |
| | | 0.00 | | | | | | | | | | |
| | | -10.0 | | | | | | | | | | Abortion Line |
| | | | | | | | | | | | | |
| | | -20.0 | | | 17 | | | | | | | |
| 15 MHz | | -30.0 | | | | | | | | m | | Sectors |
| | | -40.0 | | | | | | | | | | |
| | | -50.0 | | | | | | | | | | |
| OPSK | | | | | | | | | | | | |
| QI UIX | | -60.0 | | | | | | | | | | |
| | | Contor 924 | MUs | | | | | | | | 0. | on 46 Mila |
| EDD | | Center 824 i | | | | | | | | | st | an 45 MHZ |
| FKD | | | | | | | | | | | | |
| | | Total Power | Ref 22.21 | dBm / 15 | MHz | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | Lower | <- F | eak -> | Upper | _ | | |
| | | Start Freq | Stop Freq | Integ BW | dBm | ∆Lim(dB) | Freq (Hz) | dBm ∆ | .im(dB) | Freq (Hz) | | |
| | | 0.0 Hz | 37.50 kHz | 300.0 Hz | -49.49 | (-29.49) | -150.0 | -49.65 | -29.65) | 5.250 k | A | |
| | | 37.50 kHz | 15.00 MHz | 100.0 kHz | -29.90 | (-16.90) | -37.50 k | -29.38 | -16.38) | 37.50 k | | |
| | | 4.000 MHz | 6.000 MHz | 1.000 MHz | | () | | | () | | 8 | |
| | | 0.0 Hz | 1.000 MHz | 1.000 MHz | | () | | | () | | | |
| | | 1.000 MHz | 5.000 MHz | 1.000 MHz | | () | | | () | | | |
| | | 5.000 MHz | 6.000 MHz | 1.000 MHz | | () | | | () | | | |
| | | 6.000 MHz | 100.0 MHz | 1.000 MHz | | () | | | () | | - | |
| | | MSG | | | | | | STAT | IS | | | |
| | - | | | | | | la alsonation | | | | | |
| | | | | | | STrada | ia chani | וסר | | | | |
| | | | | | | Stradd | le chani | nei | | | | |
| | | 📕 Keysight Spectrum | m Analyzer - 31870 | | | Stradd | le chani | nei | | | | - 0 - |
| | | Keysight Spectrun | m Analyzer - 31870 RF 50 Ω AC | | | SENSE:INT | e chani | | | | 06:42:0 | PM Mar 25, 2025 |
| | | Keysight Spectrum | m Analyzer - 31870 RF 50 Ω A0 824.00000 | 0 MHz | | SENSE:INT Center Trig: | r Freq: 824.000 | ALIGN AUTO | 00.00% o | F f 10 | 06:42:0 Radio Std: M | L PM Mar 25, 2025 |
| | | RL Revealed to the formation of the form | m Analyzer - 31870 RF 50 Q AC 824.00000 | 0 MHz | Gain:Low | SENSE:INT Cente Cente Matte | IE CNANI rr Freq: 824.000 Free Run n: 30 dB | ALIGN AUTO 0000 MHz Avg: 1 | 00.00% o | f 10 F | 06:42:0 Radio Std: M Radio Devic | L PM Mar 25, 2025 Ione e: BTS |
| | | Reysight Spectrur. RL Center Freq PASS | m Analyzer - 31870 RF 50 Ω A0 824.00000 | 0 MHz | -Gain:Low | SENSE:INT Centre Trig: #Atte | IE CNANI Freq: 824.000 Free Run n: 30 dB | ALIGN AUTO D000 MHz Avg: 1 | 00.00% o | f 10 F | ^{06:42:0} Radio Std: M Radio Devic | L PM Mar 25, 2025 Jone e: BTS |
| | | Reysight Spectrur | m Analyzer - 31870 № 50 Ω AC 824.000000 Ref Offset 15.6 | 0 MHz IF | -Gain:Low | SENSE:INT Center Frig: #Atte | r Freq: 824.000 Free Run n: 30 dB | ALIGN AUTO D000 MHz Avg: ' | 00.00% o | f 10 F | 06:42:0 Radio Std: M Radio Devic | L PMMar 25, 2025 Ione e: BTS |
| | | Keysight Spectrur RL i Center Freq PASS | m Analyzer - 31870 RF 50 Ω AC 824.000000 Ref Offset 15.6 Ref 30.0 dB | 0 MHz IF i3 dB m | -Gain:Low | SENSE:INT Cente Trig: #Atte | r Freq: 824.000 Free Run n: 30 dB | ALIGN AUTO D0000 MHz Avg: 1 | 00.00% o | f 10 F | 06:42:0 Radio Std: M Radio Devic | e: BTS |
| | | Keysight Spectrur RL Center Freq PASS 10 dBiedlawindow1 | m Analyzer - 31870 № 50 Ω AC 824.000000 Ref Offset 15.6 Ref 30.0 dB | 0 MHz IF 33 dB m | -Gain:Low | SENSE:INT Centr Centr Trig: #Atte | IE CNANI Free Run n: 30 dB | ALIGN AUTO D0000 MHz Avg: / | 00.00% o | f 10 F | 06:42:0 Radio Std: N Radio Devic | e: BTS |
| | | Keysight Spectrur RL L Center Freq PASS 10 dlaiddiaWindow1 Log 20.0 | m Analyzer - 31870 № 50 Ω AC 824.00000 Ref Offset 15.6 Ref 30.0 dB | 0 MHz IF 33 dB M | -Gain:Low | SENSE:INT Centu Centu Trig: #Atte | IE CNANI rr Freq: 824.00(Free Run n: 30 dB | ALIGN AUTO ALIGN AUTO D0000 MHz Avg: 1 | 00.00% o | f 10 F | 06:42:0 Radio Std: N Radio Devic | e: BTS |
| | | Keysight Spectrur RL Center Freq PASS | m Analyzer - 31870 № 50 Ω A(824.00000 Ref Offset 15.6 Ref 30.0 dB | o MHz ir 33 dB m | -Gain:Low | SENSE:INT Centu Centu Trig: #Atte | r Freq: 824.000 Free Run n: 30 dB | ALIGN AUTO ALIGN AUTO D0000 MHz Avg: 1 | 00.00% o | f 10 F | 06:42:0 Radio Std: N Radio Devic | PM Mar 25, 2025 Jone e: BTS |
| | | Keysight Spectrur R RL Center Freq PASS 10 digiégig/Window1 Log 20.0 10.0 0.00 | m Analyzer - 31870 № 50 Ω AX 1824.000000 Ref Offset 15.6 Ref 30.0 dB | i O MHz ir 33 dB m | -Gain:Low | STRACIO | r Freq: 824.00 Free Run n: 30 dB | ALIGN AUTO ALIGN AUTO D0000 MHz Avg: / | 00.00% c | f 10 F | 06:42:0 Radio Std: N Radio Devic | e: BTS |
| | | Keysight Spectrum Review Spectrum Center Freq PASS 10 diadelawindow1 10.0 0.0 10.0 | m Analyzer - 31870 FF 50 Ω At 1824.00000 Ref Offset 15.6 Ref 30.0 dB | 0 MHz IF 33 dB m | =Gain:Low | SENSE:INT Centr Centr #Atte | r Freq: 824.000 Free Run n: 30 dB | | 00.00% c | f 10 F | 06:42:0 Radio Std: M Radio Devic | PM Mar 25, 2025 Jone e: BTS Protection Little |
| | | II Keysight Spectrum RL Center Freq PASS | m Analyzer - 31870 RF 50 Ω At 1824.00000 Ref Offset 15.6 Ref 30.0 dB | 0 MHz IF 33 dB m | -Gain:Low | SENSE:INT Cente | r Freq: 824.000 Free Run n: 30 dB | | 00.00% o | f 10 F | 06:42:0 Radio Std: N Radio Devic | e: BTS |
| | | Keysight Spectrum RL Center Freq PASS 10 dibbelis/Window1 Log 20.0 10.0 | n Analyzer - 31870 № 50 Ω Ad 824.000000 Ref Offset 15.6 Ref 30.0 dB | 0 MHz ir 53 dB m | -Gain:Low | SENSE:INT Centri | r Freq: 824.00(Free Run n: 30 dB | ALIGN AUTO 0000 MHz Avg: 1 | 00.00% o | f 10 F | 06:42:0 Radio Std: h Radio Devic | PMMar 25, 2025 Jone e: BTS Rolling Lang About the |
| 15 MHz | | III: Keynight Spectrur RL Center Freq PASS Center Spectrur 10 dipidique double Center Spectrur 20 dipidique double Center Spectrur 30 dipidique double Center Spectrur | n Analyzer - 31870 RF 50 Q. Ad 824.00000 Ref Offset 15.6 Ref 30.0 dB | 0 MHz IF 33 dB m | -Gain:Low | SENSE.INT Centu Trig: #Atte | r Freq: 824.000 Free Run n: 30 dB | ALIGN AUTO D0000 MHz Avg: | 00.00% c | f 10 F | 06:42:0 Radio Std: N | PMMar 25, 2025 Jone e: BTS Rolleve Life Allockie Life |
| 15 MHz | | Keysight Spectrur RL Center Freq PASS 10 dibletist/mount 200 200 10.0 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | m Analyzer - 31870 № 50 Ω At 824.00000 Ref Offset 15.6 Ref 30.0 dB | 0 MHz IF 33 dB m | -Gain:Low | SENSE:INTACC | IE CNANI rr Freq: 824.000 Free Run n: 30 dB | ALION AUTO | 00.00% o | f 10 F | 06:42:0 Radio Std: I Radio Devic | PMMar 25, 2025 Jone e: BTS Reading Line Alcolde: Line Spectrue |
| 5 MHz | | IX Keynight Spectrur RL Center Freq PASS Interference 10 diadatawee.out 10.0 0.0 10.0 0.0 10.0 0.0 10.0 0.0 10.0 0.0 10.0 0.0 10.0 0.0 10.0 0.0 10.0 0.0 10.0 0.0 10.0 0.0 10.0 0.0 10.0 0.0 10.0 0.0 10.0 0.0 10.0 0.0 10.0 0.0 | n Analyzer - 31870 Ref 015set 15.6 Ref 015set 15.6 Ref 30.0 dB | 0 MHz ir 33 dB m | -Gain:Low | SENSE INT Centr Centr Trig: #Atte | e cnani | ALION AUTO | 00.00% o | f 10 F | 06:42:0 Radio Std: N Radio Devic | Contraction Contraction |
| 5 MHz | | Keysight Spectru RL Center Freq PASS 10 diskij www.down 10.0 0.0 10.0 0.0 10.0 0.0 10.0 | n Analyzer - 31870 Ref 050 2 AG 1 824.00000 Ref 0ffset 15.6 Ref 30.0 dB | 0 MHz ir 33 dB m | -Gain:Low | SENSE:INTRACO | e cnani | | 00.00% o | f 10 F | 06:42:0 Radio Std: N Radio Devic | PMMar 25, 2023 Cone e: BTS |
| 5 MHz 6QAM | | Reviset Sector RL Center Free PASS 10 diblis/#dow1 10.0 0.00 | nAndyzer - 387 50 a Ad 824.00000 Ref Offset 15.6 Ref 30.0 dB | 0 MHz IF 33 dB m | -Gain:Low | SENSE:INT Centr Trigi: #Atte | IC CNAN | | 00.00% o | f 10 F | 06:42:0 Radio Std: N Radio Devic | I PH Mar 25, 2025 Ione e: BTS Robert of the Spectrum Spectrum |
| 5 MHz 6QAM | | Conjugit Sector RL Conter Freg PASS 10 disel/wirden1 | n Analyser - 2187 55 50.0 Ac 824.00000 Ref Offset 15.4 Ref 30.0 dB | i O MHz ii 33 dB m | -Gain:Low | SENSE:INT Centu Centu Centu HAtte | r Free; 824 or 84 | | 00.00% c | f 10 F | 06:42:0 Radio Std: h Radio Devic | PPINar25, 2025 Ione e: BTS |
| 5 MHz 6QAM FRB | | Constant Sector Action Conter Free PASS 10 diakidevision 20.0 | n Analyser - 3137 55 190 Ar Alexandre - 3130 Ref Offiset 15.6 Ref 30.0 dB | 0 MHz II 53 dB m | -Gain:Low | SENSE:INT Centr Centr Trig: #Atte | IP Freq: 824.000 Freq: 824.000 Freq Run h: 30 dB | ALIGN AUTO ALIGN AUTO 0000 MHz Avg: - | | f 10 F | 06:42:0 Radio Std: h Radio Devic | PH Mar 5, 2025 Ione e: BTS |
| 5 MHz 6QAM FRB | | Center Frec PAS 10 dialel/wriden1 0 | n Analyser - 387 69 190 Ar Ar 824,000000 Ref Offset 154 Ref 30.0 dB MHz | 0 MHz IF 33 dB m | -Gain:Low | SENSE:INT Centu Centu Trigu #Atte | e cnani r Freg: 824.000 Free Run n: 30 dB | | | f 10 F | 06:42:0 Radio Std: I: Radio Devic | I PH Nat 7, 2025 I PH Nat 7, |
| 15 MHz 16QAM FRB | | Conter Freq PAS 10 dialeigendeen 20 | n Analyzer - 3137 55 190 Ar Ale 1824.00000 Ref Offset 15.6 Ref 30.0 dB | 6 dBm/ 151 | =Gain:Low | SENSE:INT Centr Trig: #Atte | e cnan | ALIGN AUTO ALIGN AUTO 0000 MHz Avg: | | f 10 F | 06:42:0 Radio Std: P Radio Devic | PHMar 25, 2025 Cone e: BTS |
| 15 MHz 16QAM FRB | | Conjet Sector Conter Free PASS 10 diaddwiredwiredwir 20 20 20 20 20 20 20 20 20 2 | n Analysee - 3187 56 90 Ac A 824.00000 Ref Offset 16.6 Ref 30.0 dB MHz Ref 21.18 | 0 0 MHz IF 33 dB m | -Gein:Low | | e cnan r Freg: 824.000 Free Run n: 30 dB | | | f10 F | 06:42:0 Radio Std: f Radio Devic | e: BTS |
| 15 MHz 16QAM FRB | | Conter Frec PAS 10 diaddwrdau Conter Frec PAS 10 diaddwrdau Conter Rec Conter 824 I Total Power | n Analyzer - 3137 55 190 Ac Ac 1824,00000 Ref Offset 15.5 Ref 30.0 dB WHz Ref 21.18 | 0 MHz IF | Gein:Low | Lower | e cnani r Freg: 834.000 Free Run n: 30 dB | ALIGN AUTO ALIGN AUTO 2000 MHz Avg : | 00.00% o | f 10 F F | 06:42:0 Radio Std: F Radio Devic | PHMar 25, 2025 Cone e: BTS |
| 15 MHz 16QAM FRB | | Conjust Sector Conter Free PASS 10 dialetaweeen 200 200 200 200 200 200 200 | n Analyser - 2137 57 50 Ar Analyse - 2137 1824.00000 Ref Offset 15.6 Ref 30.0 dB MHz Ref 21.18 Stop Freq | 0 MHz IF 33 dB m | =Galin:Low | Lower ∆Lim(dB) | e cnani rr Freg: 824.000 Free Run n: 30 dB | Аціон Алто 2000 МН2 Ачде: Ачд: Ачд: авк ⇒ dBm ∆l | Upper im(dB) | Freq (Hz) | 06:42:0 Radio Std: P Radio Devic | PHMar 52, 2025 Cone e: BTS |
| 15 MHz 16QAM FRB | | Kengelt Sector | n Analyzer - 3137 50 10 0 Ar Ale 1824,00000 Ref Offset 15,5 Ref 30.0 dB MHz Ref 21.18 Stop Freq 37.50 Hrz | 0 MHz if 33 dB m b dBm / 15 l integ BW 300 0 Hz | -Galin:Low MHz dBm -50.48 | Lower ALim(dB) (-30.48) | Preg. 824.000 Free Run n: 30 dB | ALIGN AUTO ALIGN AUTO 2000 MHz Avg : Avg : | Upper Im(B) -31.46) | f 10 F F Freq (Hz) 10.95 k | 06:42:0 Radio Std: F Radio Devic | IPMAIDS, 2025 Ione e: BTS Internet care along to the Spectra an 45 MHz |
| 15 MHz 16QAM FRB | | Konjett Sector R. Center Free PASS 10 diakistwices 200 10 diakistwices 200 200 200 200 200 200 200 2 | n Analyser - 2137 es 190 M (2000) Ref Offiset 15.6 Ref 30.0 dB MHz Ref 21.18 Stop Freq 37.50 kHz 15.00 MHz | 0 MHz IF 33 dB m | Gain:Low | Lower ∆Lim(dB) (-30.48) (-10.71) | e cnani r Freg: 824.000 Free Run n: 30 dB | ALION ATTO ALION ATTO 2000 MH2 Avg: Avg: dBm AL -51.46 (-51.46 (| Upper Im(dB) -31.46) | Freq (Hz) 16.95 k 37.50 k | 06:42:0 Radio Std: I Radio Devic | PHMar 5, 2025 Cone e: BTS |
| 15 MHz 16QAM FRB | | Kengelt Sector Record | n Analyser - 387 60 190 Ar Ar Alexandro - 190 Ar A | 0 MHz 33 dB m 33 dB 15 l linteg BW 300.0 Hz 10.00 kHz | -Gain:Low | Lower Lower Lower Lower Limit(dB) (-30.48) (-16.71) (-) | e cnani r Free: 824.000 Free Run n: 30 dB | ALION AUTO ALION AUTO AV9: - Av9: - - - - - - - - - - - - - - | Uppar Im((B) | Freq (Hz) 16.95 k 37.50 k | 06:42:0 Radio Std: P Radio Devic | e: BTS |
| 15 MHz 16QAM FRB | | Kengel Sector Kengel Sector Kengel Ken | n Analyser - 387 50 No. 100 No. 100 Ref Offset 15.6 Ref 30.0 dB MHz Ref 21.16 Stop Freq 37.50 MHz 15.00 MHz 15.00 MHz | 0 MHz if is dBm/ 151 integ BW 300 0 kHz 1.000 MHz 1.000 MHz | | Lower ∆Lim(dB) (-16.71) (-1) (-1) | e cnani r Freq: 824.000 Free Run n: 30 dB Freq (H2) -27 90 k -37 50 k -37 50 k | ALION AUTO TO ALION AUTO TO D0000 MHz Avg: - Avg: - - - - - - - - - - - - - - | Uppar im(dB) (-) (-) | Freq (Hz) | 06:42:0 Radio Std: P Radio Devic | PHMar 52, 2025 Cone e: BTS |
| 15 MHz 16QAM FRB | | Kengelt Sector Recover Sector Recover Sector Recover Sector Recover Sector Recover Sector Recover Sector Start Freq O Hz Start Freq O Hz Start Freq O Hz Start Freq | Madger - 387 6 190 Arr 824,00000 Ref Offset 15.6 Ref 30.0 dB MHz Ref 21.18 Stop Freq 37.50 kHz 1.000 MHz 0.000 MHz 0.000 MHz | 0 MHz is 33 dB m is 3 dB is 3 d is 3 d is 3 d is 3 dB is 3 d is 3 dB is 3 d is 3 dB is 3 dB | Gaint.ow MHz dBm 5.09.81 | Lower Lower Lower Lower Lower (-10, -11) (-30, 48) (-16, 71) (-30, 48) (-30, 48 | Preg. 824.000 Free Run n: 30 dB | ALION AUTO ALION AUTO AVG: - AVG: - - - - - - - - - - - - - - | Upper Imr(dB) -31.46) () () | Freq (Hz) | 04420 | e: BTS |
| 5 MHz 6QAM FRB | | Kengel Sector Kengel Sector Kengel Ken | n Analyser - 3137 50 10 0 Ac Ale 1824,00000 Ref Offset 15.5 Ref 30.0 dB WHiz Ref 21.18 Stop Freq 37.50 MHz 5.000 MHz 6.000 MHz 6.000 MHz | 0 MHz 17 33 dB m 15 l Integ BW 300.0 Hz 1.000 MHz 1.000 MHz 1.000 MHz | Gaint.ow MHz 4Bm -50.48 -29.71 | Lower Lower Lower Lim(dB) (-16.71) (-) (-) (-) | E CNANI | ALION UTD 0000 MHz Avg: Avg: dBm | Upper Imm(B) -31.46) () () () | Freq (Hz) | 04420 Addio Stal: Noted State | PHMar 25, 2025 Cone e: BTS |
| 15 MHz 16QAM FRB | | Kennight Sector Record Sector Record Sector PASS 10 dialellywredwn PASS 10 dialellywredwn PASS 10 dialellywredwn PASS 10 dialellywredwn Record Sector Record Sector Record Sector Start Freq 0 drial 0 drial 0 drial 1000 MHz 5000 MHz 5 | Madger - 387 67 30.0 Ar 824.00000 Ref Offset 15.4 Ref 30.0 dB MHz Ref 21.16 Stop Freq 37.50 kHz 15.00 MHz 6.000 MHz 6.000 MHz | 0 MHz II 33 dB m idBm/ 151 Integ BW 300 0 Hz 1.000 MHz 1.000 MHz | CGaint.ow MHz 4Bm -29.71 | Lower ↓Lim(dB) ↓Lower ↓Lim(dB) ↓1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1. | Preg (B2, 000) Preg (B2, 000) Preg (B2, 000) Preg (H2) -27.90 k -37.50 k | Ацен алтон ацен алтон Ацен алтон Алтон | Upper Imt(dB) -31.46) (-) (-) (-) (-) (-) | Freq (Hz) | 004220 | e: BTS |
| 15 MHz 16QAM FRB | | Kengelt Sector Record | Madger - 3137 55 190 Ac Ac 1824,00000 Ref Offset 15,5 Ref 30,0 dB WH2 Ref 21,18 Stop Freq 37,50 kHz 15,00 MHz 6,000 MHz 5,000 MHz 5,000 MHz 1,000 MHz 5,000 MHz 1,000 MHz | 0 MHz 33 dB m 33 dB m 30 dBm/ 15 l Integ BW 300 0 Hz 1000 MHz 1.000 MHz 1.000 MHz | Gaint.ow MHz dBm -50.48 -29.71 | Lower Lower Lower Lum(dB) (-16.71) (-) (-) (-) | Preg: 824.000 Preg: 824.000 Preg Run n: 30 dB Freg (H2) -27.90 k -37.50 k | ALION ATT ALION ATT AVG: - AVG: - AVG: - AVG: - - - - - - - - - - - - - - | Upper Im(dB) 31.40) | Freq (Hz) | 09422 Made State S | PHMar 25, 2025 Cone e: BTS reserve cmr spectra an 45 MHz |
| 5 MHz 6QAM FRB | | Konjett Sector R. Center Free PASS 10 diakistwicken 200 200 200 200 200 200 200 200 200 20 | Madger - 287 50 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 MHz II 33 dB m 33 dB m 30 dBm/ 151 Integ BW 300.0 Hz 1.000 MHz 1.000 MHz 1.000 MHz | Gaint.ow | Lower ∆Lim(dB) (-30.48) (-16.71) (-7) | e cnani r Freg: 824.000 Free Run r: 30 dB Freg (Hz) -27 50 k -37 50 k -37 50 k -37 50 k -37 50 k | Ацон Инт Андон Инт 2000 Мнат Ауд: Ауд: | Upper III(31) III(3 | Freq (Hz) | 004220 | e: BTS |

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LTE Band 26 (Straddle) 1 RB (Worst Case)

| | | Keysight Spectrum | Analyzer - 31870 | | | | | | | | | - 4 |
|-----------|-----|---|------------------|-----------|-----------|--------------------|-----------------|----------|--------------|-----------|-------------|-------------------|
| | 0 | RL R | F 50 Ω AI | 0 | | SENSE:INT | | ALIGN AU | TO | | 11:59:47 | 7 AM Mar 26, 2025 |
| | C | enter Freq | 824.00000 | 0 MHz | | Cent | er Freq: 824.00 | 0000 MHz | . 100 00% | Ra | adio Std: N | one |
| | F | ASS | | | FGain:Low | #Atte | n: 30 dB | ~~ | j. 100.00781 | R | adio Devic | e: BTS |
| | 1 | Ref Offset 15.63 dB 10 dBiddiaterindum1 Ref 30.0 dBm | | | | | | | | | | |
| | L | og 20.0 | | | | | | | | | | Relative Line |
| | | 10.0 | | | | | | | | | | |
| | | 0.0 | | | | $\left - \right $ | | | | | | Abookde Limi |
| 3 MHz | | 0.0 | | | | X | | - | | | | |
| | | 0.0 | | \sim | | | -1 | | | | | Spectrum |
| QPSK | | 0.0 | | | | | | | | | | |
| 1RB | c c | enter 824 M | ſHz | | | | | | | | s | pan 9 MHz |
| offstet 0 | | otal Power I | Dof 22.43 | /dBm / 2 | MHa | | | | | | | |
| | | otari onci i | 20.11 | doin/ J | WIT 12 | | | | | | | |
| | | | | | | Lower | <- F | Peak -> | Upper | | | |
| | | Start Freq | Stop Freq | Integ BW | dBm | ∆Lim(dB) | Freq (Hz) | dBm | ∆Lim(dB) | Freq (Hz) | | |
| | | 0.0 Hz | 37.50 kHz | 300.0 Hz | -34.53 | (-14.53) | -9.000 k | -61.63 | (-41.63) | 27.90 k | ~ | |
| | | 37.50 kHz | 3.000 MHz | 100.0 kHz | -16.34 | (-3.34) | -37.50 k | -41.25 | (-28.25) | 2.289 M | | |
| | | 4.000 MHz | 6.000 MHz | 1.000 MHz | | () | | | () | | 8 | |
| | | 0.0 Hz | 1.000 MHz | 1.000 MHz | | () | | | () | [| | |
| | | 1.000 MHz | 5.000 MHz | 1.000 MHz | | () | | | () | | | |
| | | 5.000 MHz | 6.000 MHz | 1.000 MHz | | () | | | () | | | |
| | | 6.000 MHz | 100.0 MHz | 1.000 MHz | | () | | | () | | - | |
| | h.t | 9G | | | | | | ST | ATUS | | | |
| | | Straddle channel | | | | | | | | | | |

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8.5. CONDUCTED SPURIOUS EMISSIONS

RULE PART(S)

FCC: §2.1051, §22.901, §22.917, §90.543 and §90.691

<u>LIMITS</u>

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.

Part 90.543:

(e) For operations in the 758-768 MHz and the 788-798 MHz bands, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

(1) On all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than 76 + 10 log (P) dB in a 6.25 kHz band segment, for base and fixed stations.

(2) On all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than 65 + 10 log (P) dB in a 6.25 kHz band segment, for mobile and portable stations.

(3) On any frequency between 775-788 MHz, above 805 MHz, and below 758 MHz, by at least 43 + 10 log (P) dB.

(4) Compliance with the provisions of paragraphs (e)(1) and (2) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

Part 90.691(a):

(1) For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 116 Log10(f/6.1) decibels or 50 + 10 Log10(P) decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.

(2) For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 43 + 10Log10(P) decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.(NOTE : Use 100kHz reference bandwidth)

(b) When an emission outside of the authorized bandwidth causes harmful interference, the Commission may, at its discretion, require greater attenuation than specified in this section.

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