





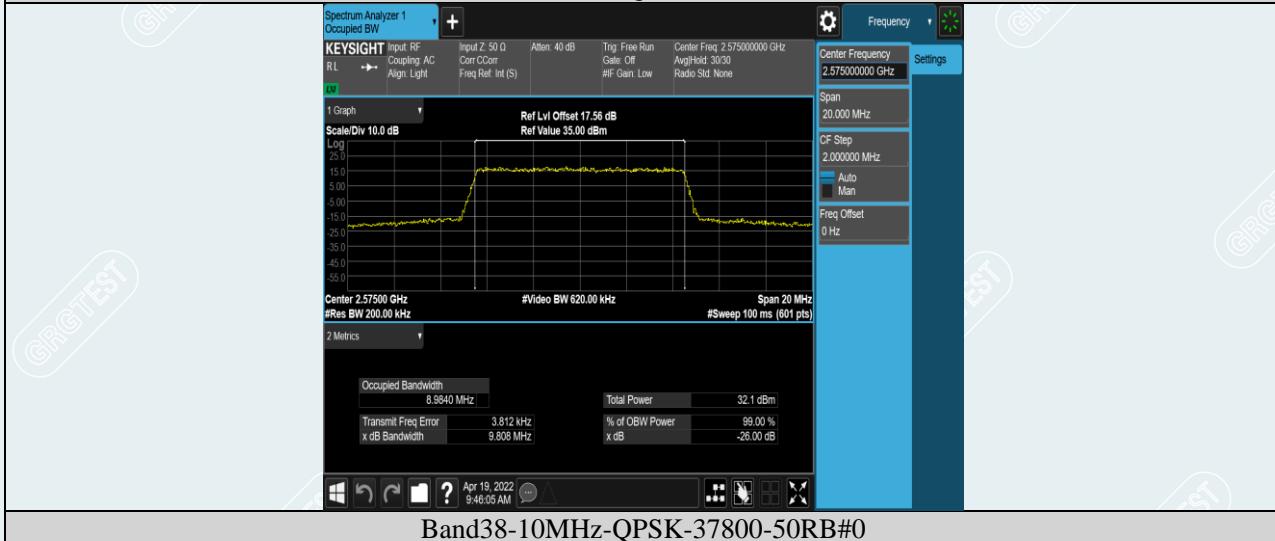




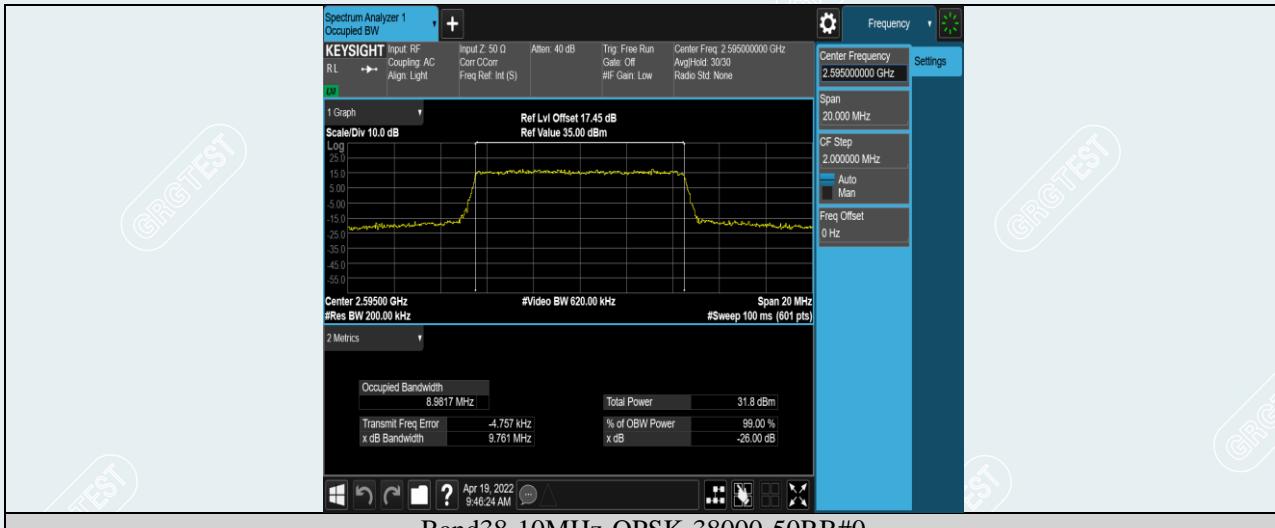
Band38-5MHz-16QAM-38000-25RB#0



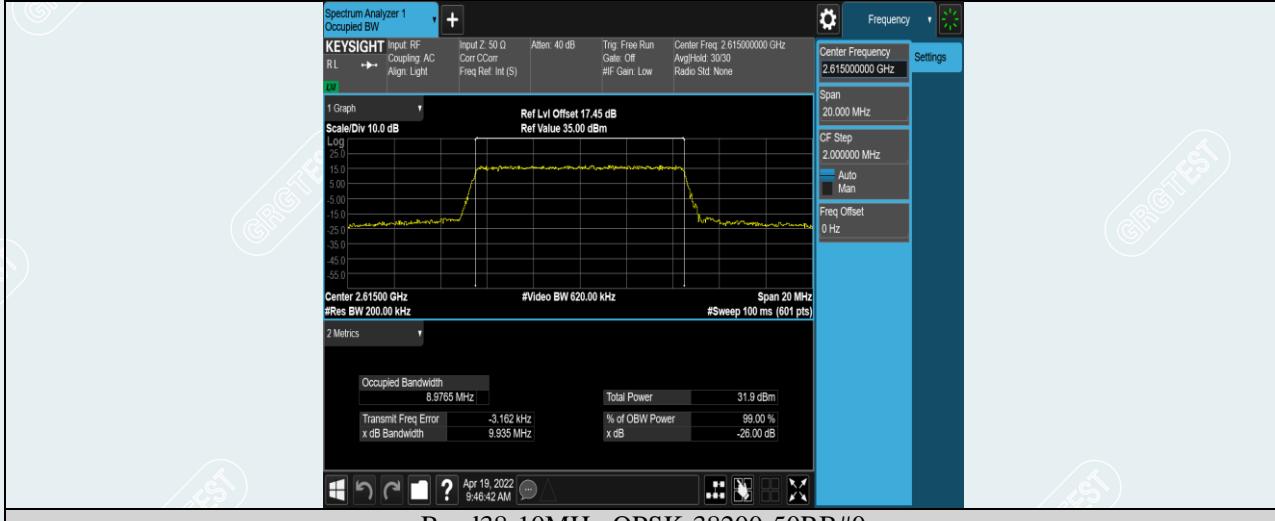
Band38-5MHz-16QAM-38225-25RB#0



Band38-10MHz-QPSK-37800-50RB#0



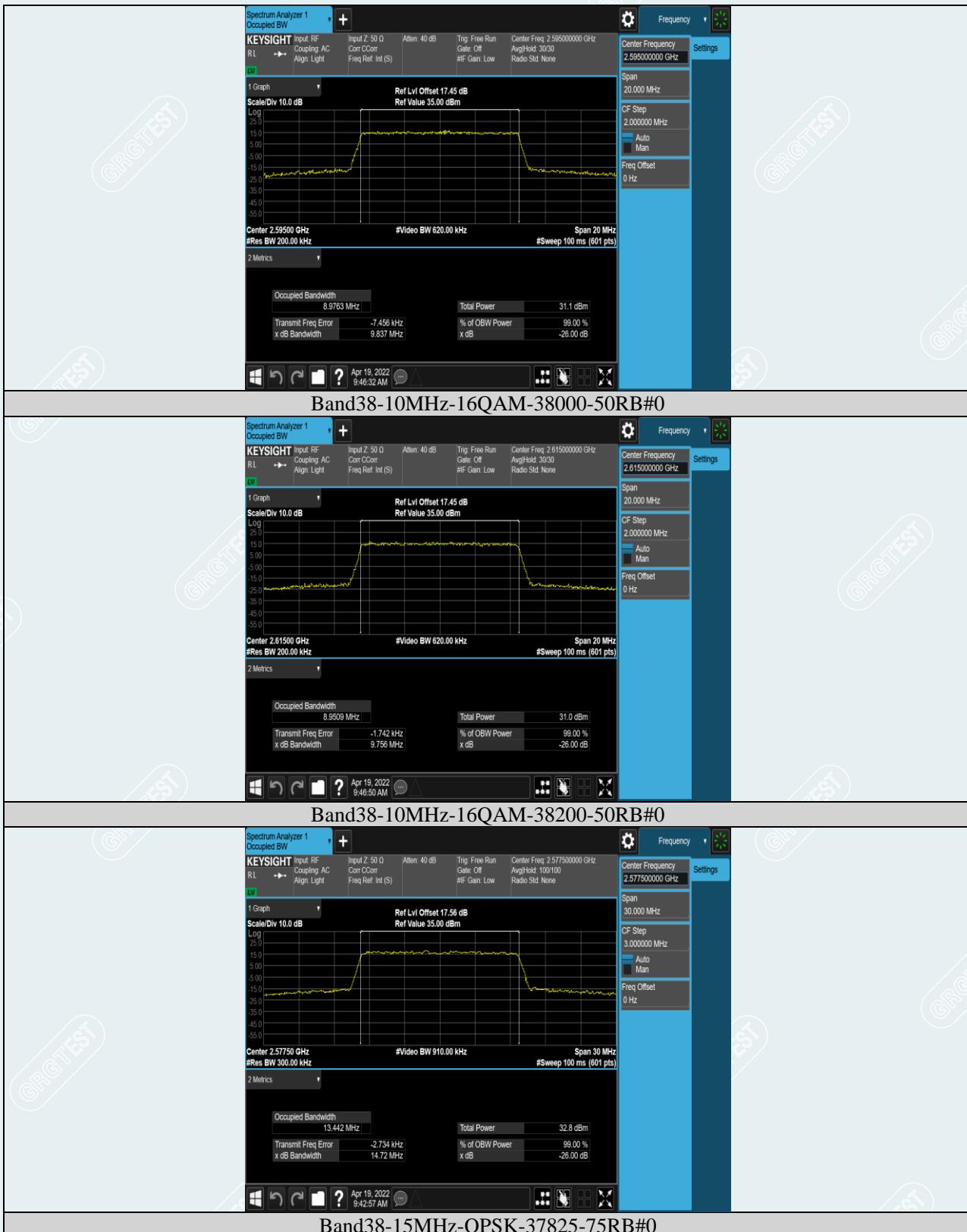
Band38-10MHz-QPSK-38000-50RB#0



Band38-10MHz-QPSK-38200-50RB#0



## Band38-10MHz-16QAM-37800-50RB#0













## 9. BAND EDGES COMPLIANCE

### 9.1 LIMIT

According to FCC section 22.917(a), 24.238(a)(b), 27.53(h)(1)(3)(i), 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. B2/4/5

According to FCC section 27.53(m)(4), For mobile digital stations, the attenuation factor shall be not less than  $40+10\log(P)$  dB on all frequencies between the channel edge and 5 megahertz from the channel edge,  $43+10\log(P)$  dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and  $55+10\log(P)$  dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than  $43+10\log(P)$  dB on all frequencies between 2490.5 MHz and 2496 MHz and  $55+10\log(P)$  dB at or below 2490.5 MHz. B7/38/41

According to FCC section 27.53(9), For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a 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, by at least  $43+10\log(P)$  dB. B12

According to FCC section 27.53(c)(3), On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least  $43+10\log(P)$  dB. B13

### 9.2 TEST PROCEDURES

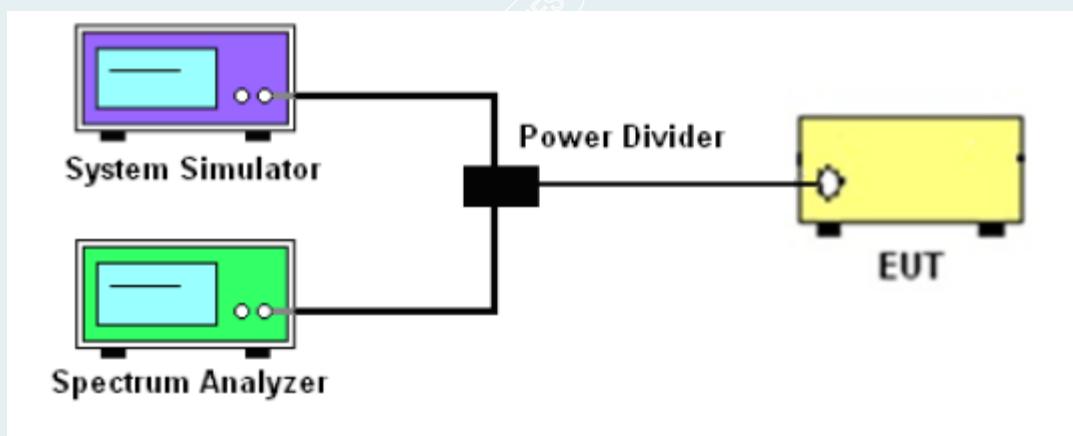
Measurement Procedure: FCC KDB 971168 D01 V03r01 Section 6

The transmitter output was connected to a calibrated coaxial cable, attenuator and Spectrum analyser, the other end of which was connected to a Base Station Simulator. The Base Station Simulator was set to force the EUT to its maximum power setting. The tests were performed at two frequencies (low channel and high channel).in the 1MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of 100kHz or 1% of the emission bandwidth of the fundamental emission of the transmitter may be employed. The EUT emission bandwidth is measured as the width of the signal between two points, outside of which all emission are attenuated at least 26dB below the transmitter power. The video bandwidth of the spectrum analyzer was set at thrice the resolution bandwidth. Detector Mode was set to peak or peak hold power.

#### Test Settings

1. Start and stop frequency were set such that the band edge would be placed in the center of the plot
2. Span was set large enough so as to capture all out of band emissions near the band edge
3. RBW  $\geq 1\%$  of the emission bandwidth
4. VBW  $\geq 3 \times$  RBW
5. Detector = RMS
6. Number of sweep points  $\geq 2 \times$  Span/RBW
7. Trace mode = trace average for continuous emissions, max hold for pulse emissions
8. Sweep time = auto couple
9. The trace was allowed to stabilize

### 9.3 TEST SETUP



## 9.4 TEST RESULTS

EUT Name	DiLink	Model	DiLink 3.0F
Sample No.	E20211217696105-0006	Test Mode	LTE
Power supply	DC 12V	Environmental Conditions	Temp:22.6 °C;Humi:45%RH
Test Date	2022-04-11 to 2022-04-25	Test Site	/
Tested By	Zhou Xiaolong	Reviewed by	Zhao Zetian

