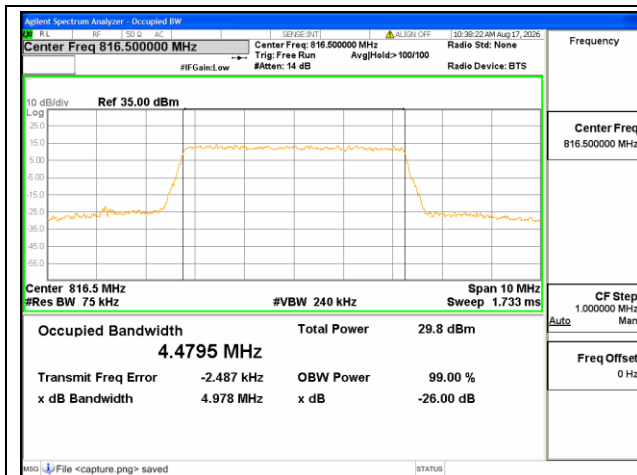
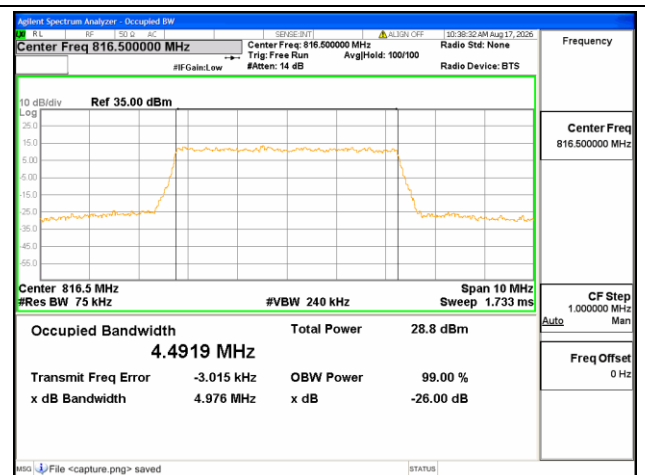
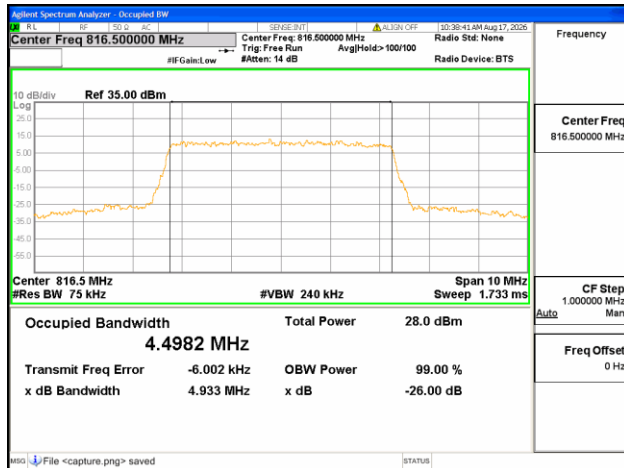




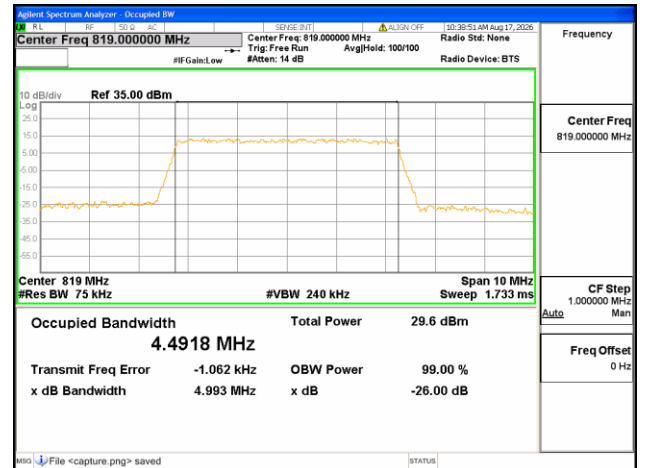
B26 / 5MHz / QPSK/ Low CH



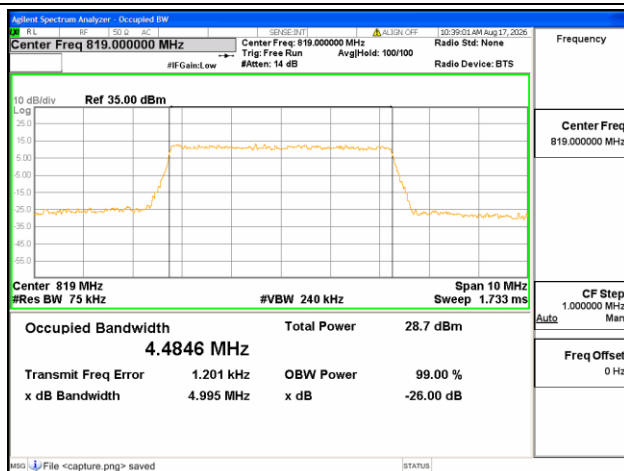
B26 / 5MHz / 16QAM/ Low CH



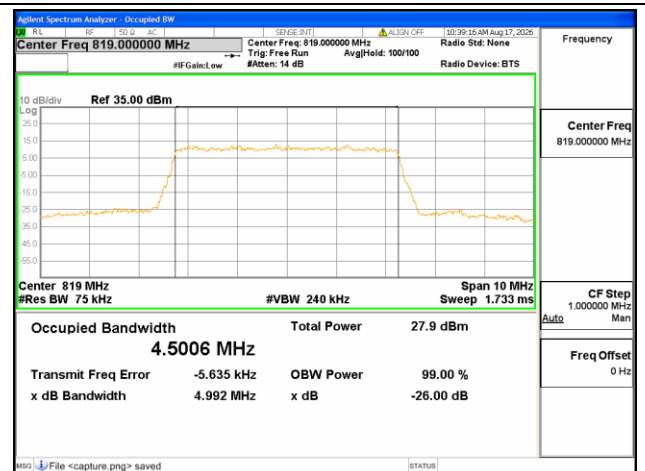
B26 / 5MHz / 64QAM/ Low CH



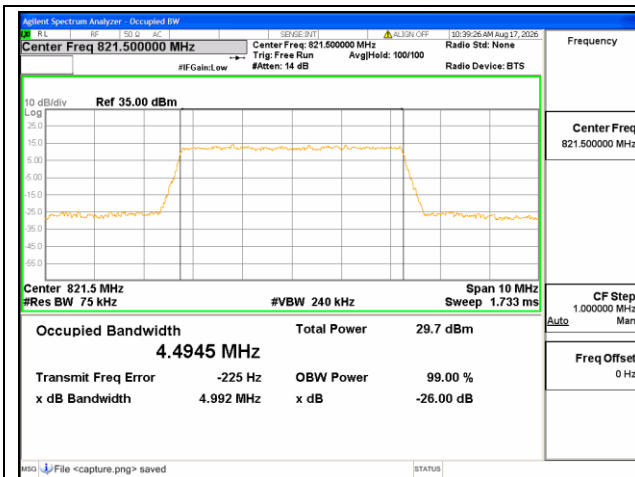
B26 / 5MHz / QPSK/ Mid CH



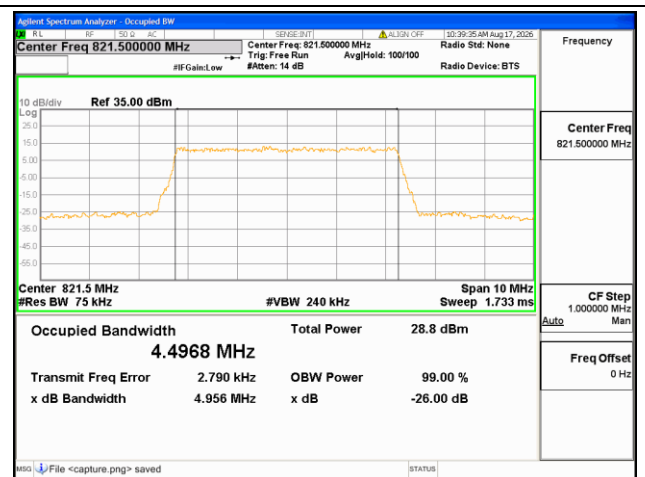
B26 / 5MHz / 16QAM/ Mid CH



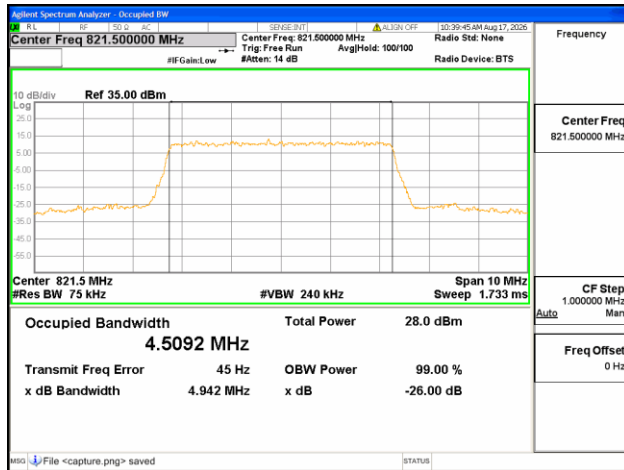
B26 / 5MHz / 64QAM/ Mid CH



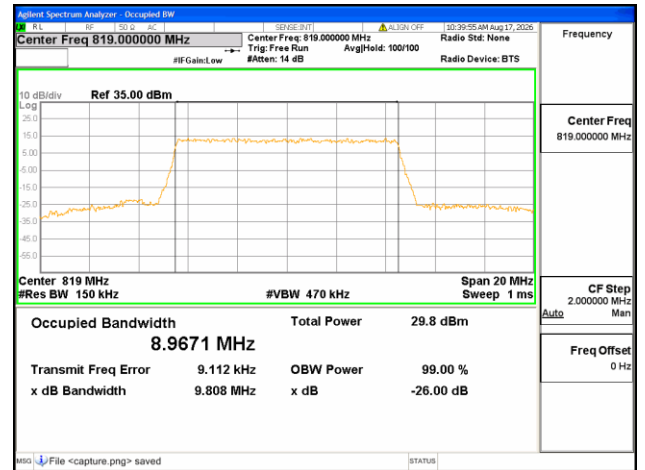
B26 / 5MHz / QPSK/ High CH



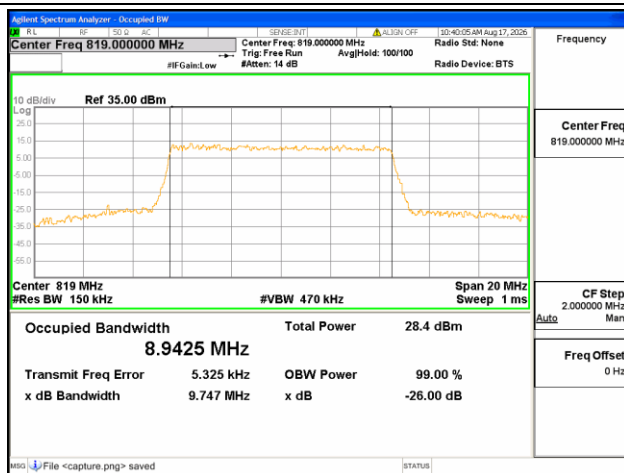
B26 / 5MHz / 16QAM/ High CH



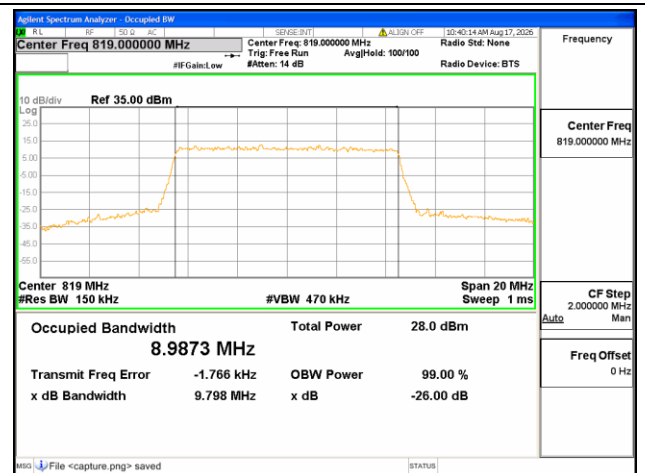
B26 / 5MHz / 64QAM/ High CH



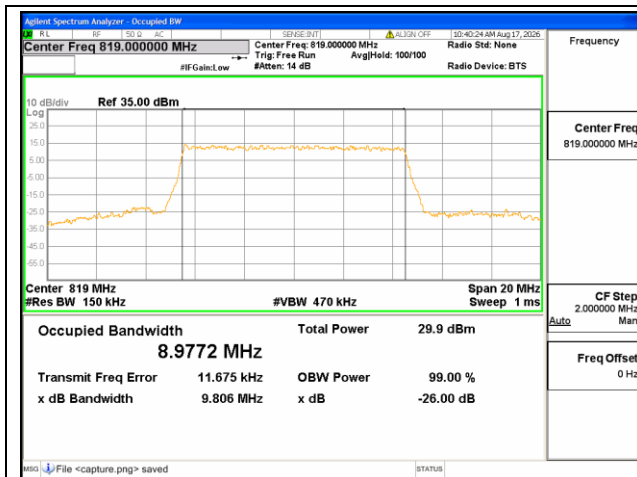
B26 / 10MHz / QPSK/ Low CH



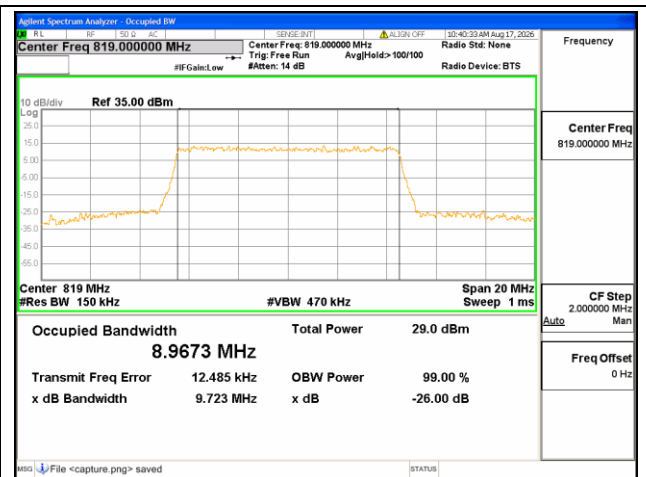
B26 / 10MHz / 16QAM/ Low CH



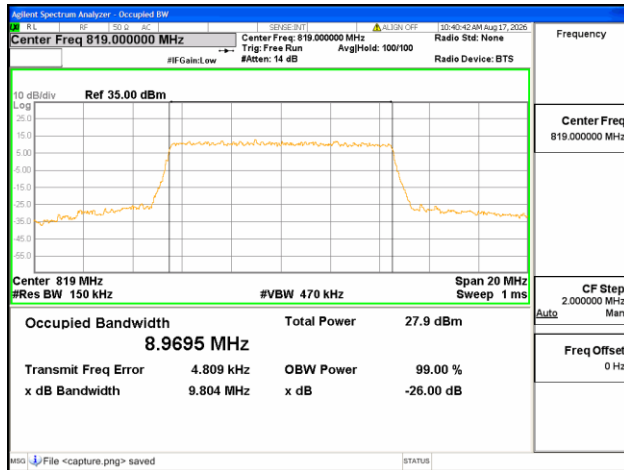
B26 / 10MHz / 64QAM/ Low CH



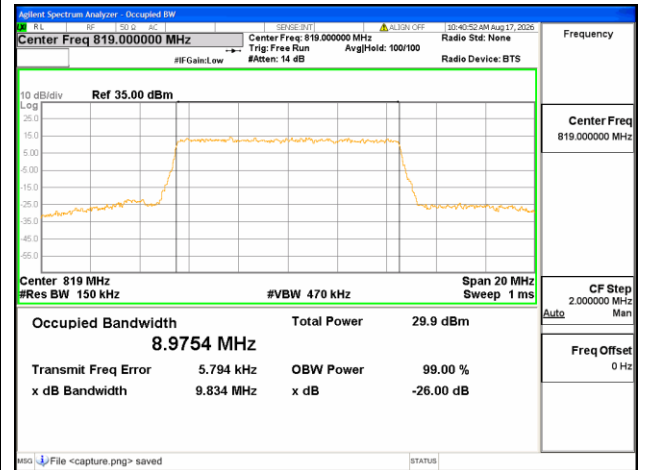
B26 / 10MHz / QPSK / Mid CH



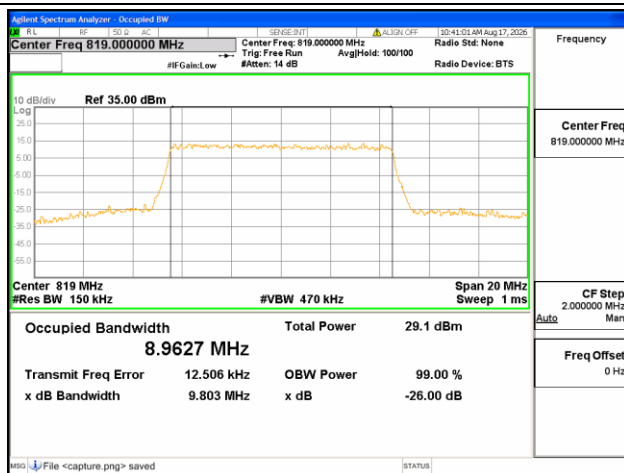
B26 / 10MHz / 16QAM / Mid CH



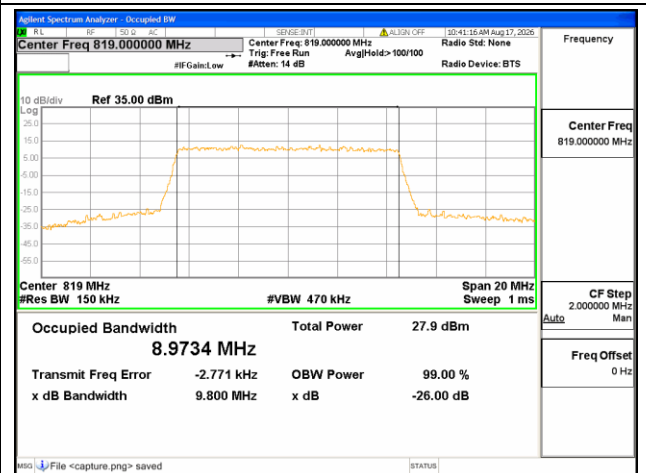
B26 / 10MHz / 64QAM / Mid CH



B26 / 10MHz / QPSK / High CH



B26 / 10MHz / 16QAM / High CH



B26 / 10MHz / 64QAM / High CH

2.3. Frequency Stability

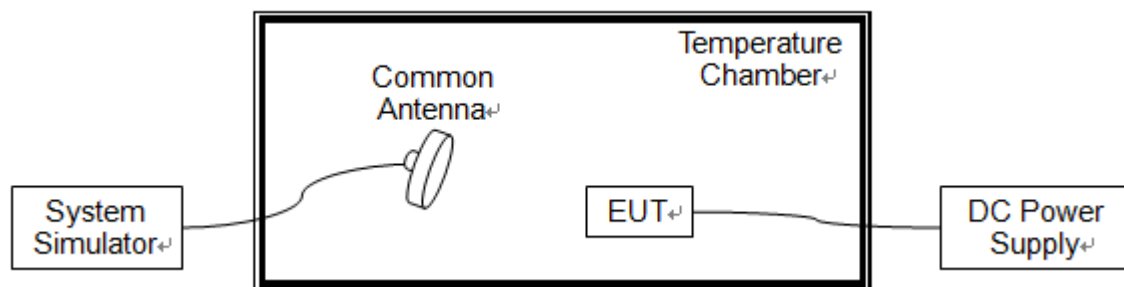
2.3.1. Requirement

According to FCC section 2.1055 & 90.213, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. According to FCC section 2.1055, the test conditions are:

- (a) The temperature is varied from -30°C to $+50^{\circ}\text{C}$ at intervals of not more than 10°C .
- (b) For hand carried battery powered equipment, the primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacture. The supply voltage shall be measured at the input to the cable normally provided with the equipment, or at the power supply terminals if cables are not normally provided.

Note: The operating temperature of EUT is from -20°C to 65°C , which are specified by the applicant.

2.3.2. Test Description



The EUT which is powered by the DC Power Supply directly, is located in the Temperature Chamber. The EUT is commanded by the System Simulator (SS) to operate at the maximum output power. A call is established between the EUT and the SS via a Common Antenna.

2.3.3. Test procedure

KDB 971168 D01v03 Section 9.0 and ANSI/TIA-603-E-2016.

**2.3.4. Test Result**

The nominal, highest and lowest extreme voltages are separately 3.7V, 4.2V and 3.5V, which are specified by the applicant; the normal temperature here used is 20°C.

LTE Band 14, 64QAM Channel 23230, Frequency 793.0MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.70	+20(Ref)	-18	-0.023	PASS
Normal		-20	-15	-0.019	
Normal		-10	-11	-0.014	
Normal		0	15	0.019	
Normal		+10	5	0.006	
Normal		+20	16	0.020	
Normal		+30	17	0.021	
Normal		+40	-23	-0.029	
Normal		+50	19	0.024	
Normal		+60	-17	-0.021	
Normal		+65	-18	-0.023	
High	4.20	+20	-20	-0.025	PASS
BATT.ENDPOINT	3.50	+20	1	0.001	



LTE Band 18, 64QAM, Channel 23970, Frequency 819.5MHz					
Limit=±2.5ppm					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.70	+20(Ref)	-16	-0.020	PASS
Normal		-20	-18	-0.022	
Normal		-10	9	0.011	
Normal		0	16	0.020	
Normal		+10	19	0.023	
Normal		+20	-3	-0.004	
Normal		+30	14	0.017	
Normal		+40	-1	-0.001	
Normal		+50	16	0.020	
Normal		+60	18	0.022	
Normal		+65	14	0.017	
High	4.20	+20	14	0.017	
BATT.ENDPOINT	3.50	+20	15	0.018	

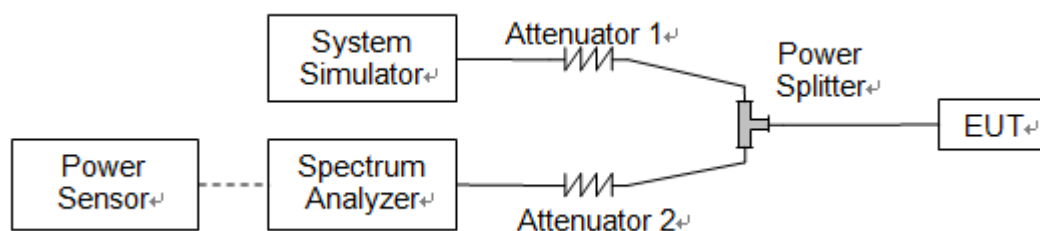
LTE Band 26, 64QAM, Channel 26915, Frequency 819.0MHz					
Limit=±2.5ppm					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.70	+20(Ref)	11	0.013	PASS
Normal		-20	14	0.017	
Normal		-10	16	0.020	
Normal		0	19	0.023	
Normal		+10	-13	-0.016	
Normal		+20	-2	-0.002	
Normal		+30	13	0.016	
Normal		+40	16	0.020	
Normal		+50	19	0.023	
Normal		+60	16	0.020	
Normal		+65	1	0.001	
High	4.20	+20	20	0.024	
BATT.ENDPOINT	3.50	+20	14	0.017	

2.4. Conducted Spurious Emissions

2.4.1. Requirement

According to FCC section 2.1051, 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. This calculated to be -13dBm.

2.4.2. Test Description



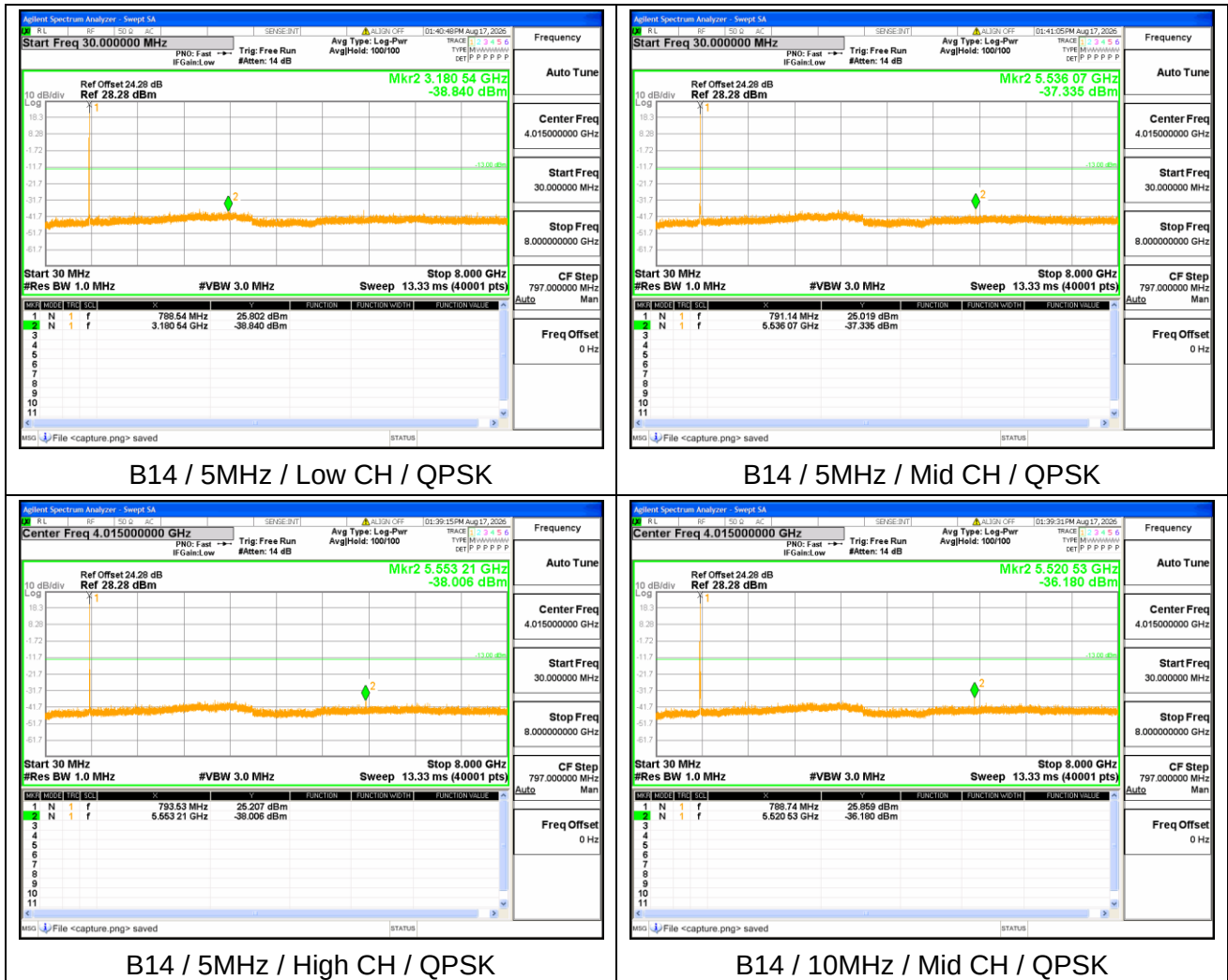
The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

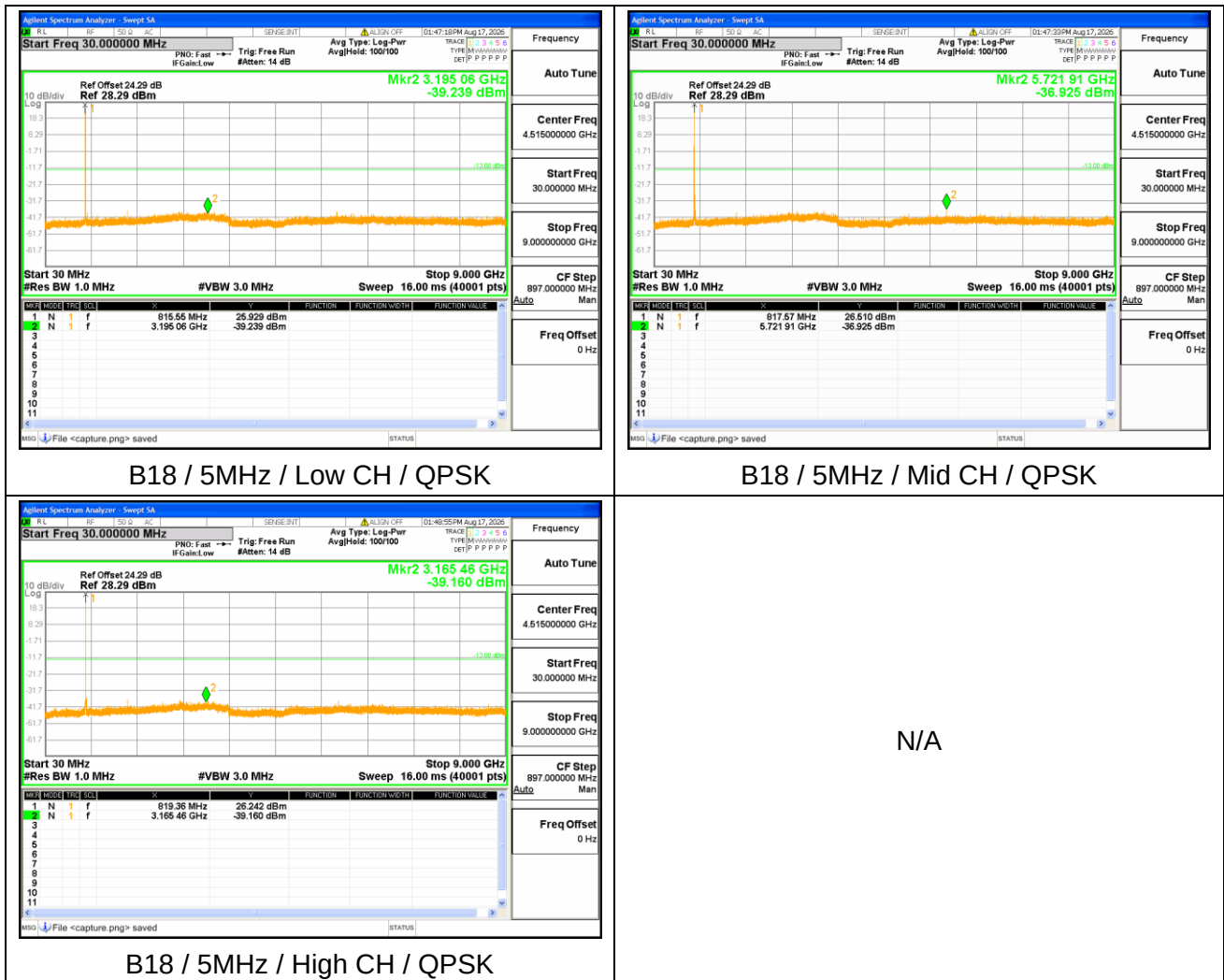
2.4.3. Test procedure

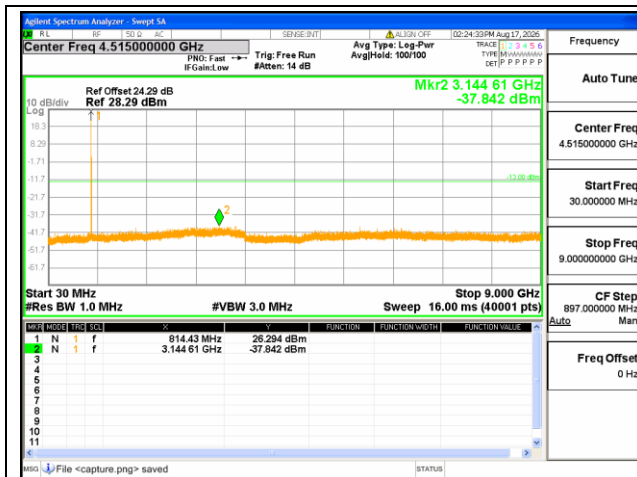
KDB 971168 D01v03 Section 6.0 and ANSI/TIA-603-E-2016.



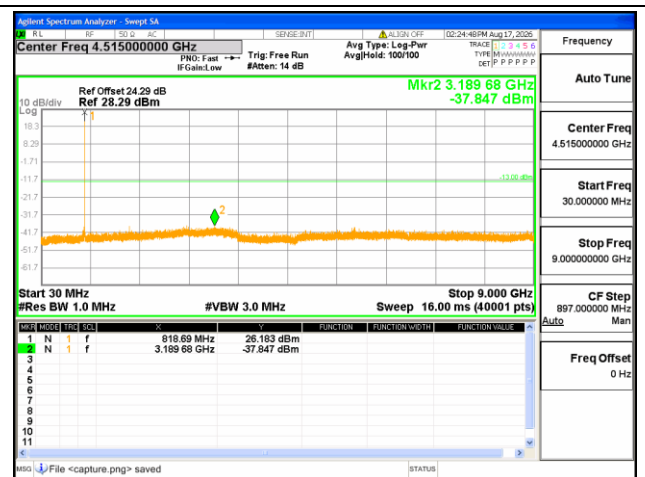
2.4.4. Test Result



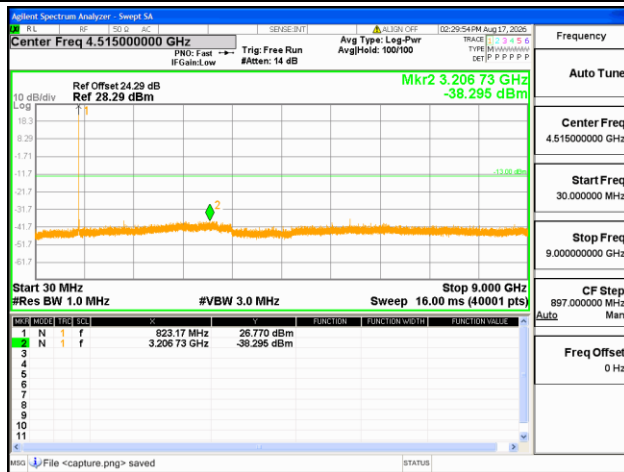




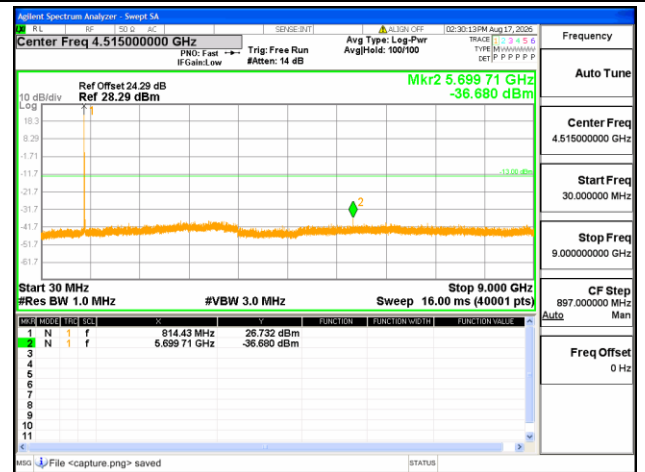
B26 / 1.4MHz / Low CH / QPSK



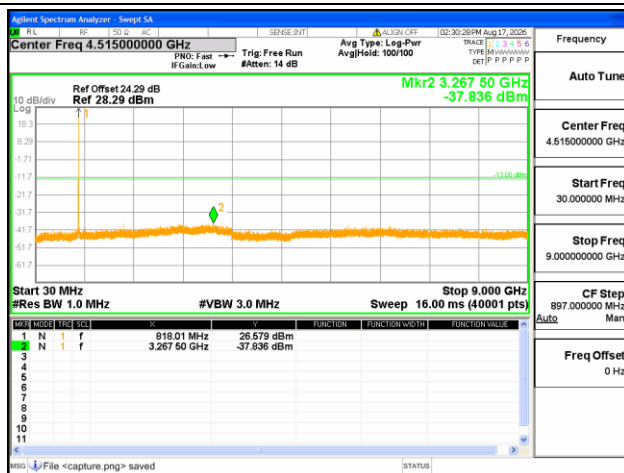
B26 / 1.4MHz / Mid CH / QPSK



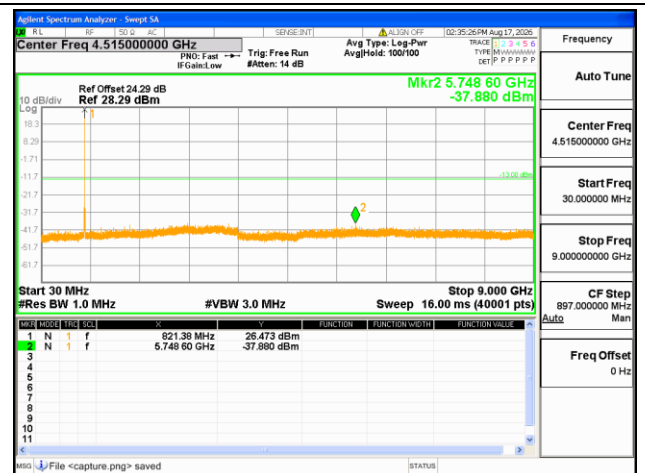
B26 / 1.4MHz / High CH / QPSK



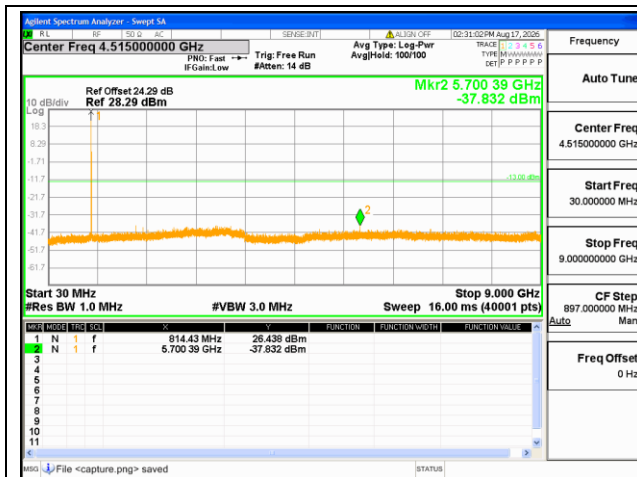
B26 / 3MHz / Low CH / QPSK



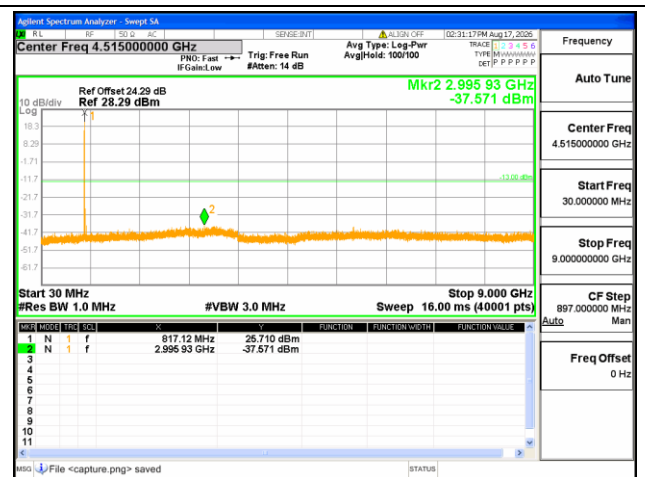
B26 / 3MHz / Mid CH / QPSK



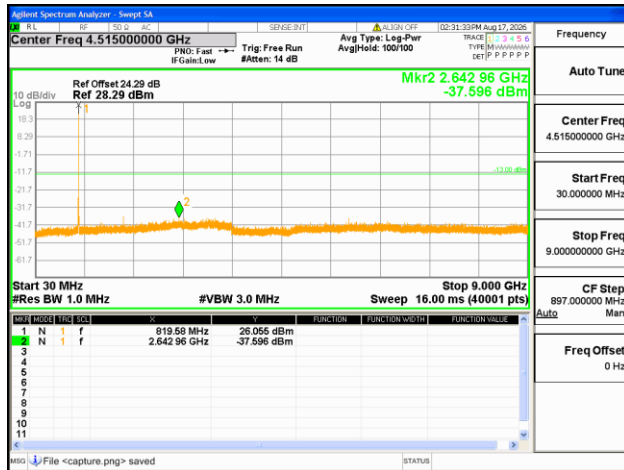
B26 / 3MHz / High CH / QPSK



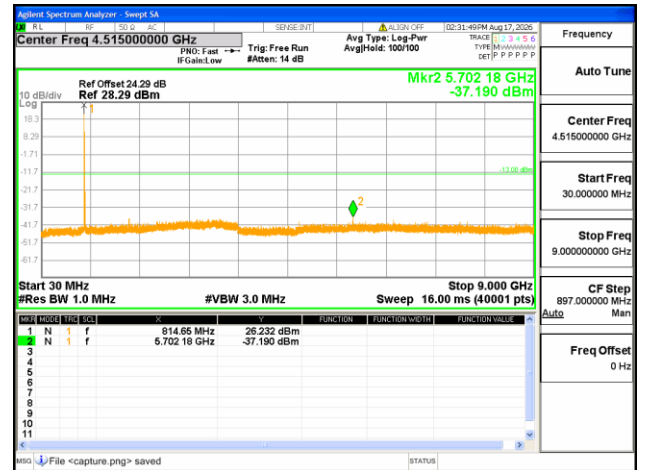
B26 / 5MHz / Low CH / QPSK



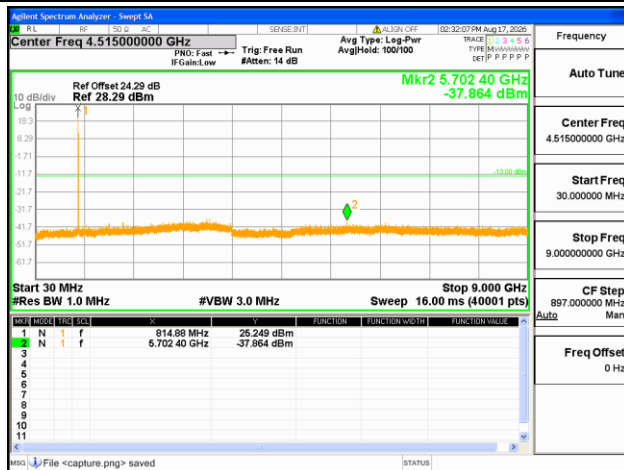
B26 / 5MHz / Mid CH / QPSK



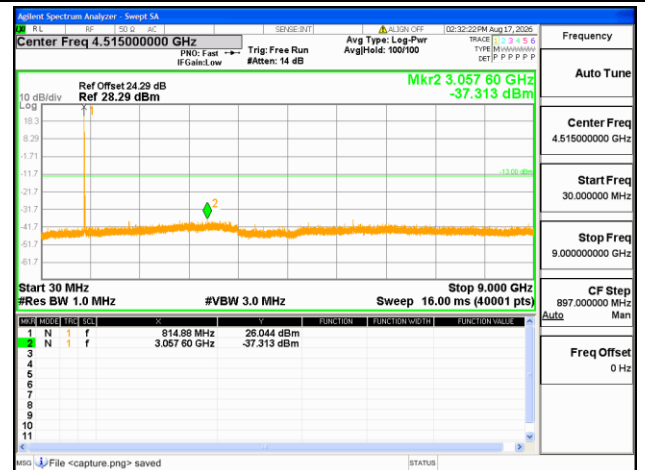
B26 / 5MHz / High CH / QPSK



B26 / 10MHz / Low CH / QPSK



B26 / 10MHz / Mid CH / QPSK



B26 / 10MHz / High CH / QPSK

2.5. Band Edge

2.5.1. Requirement

Band 14

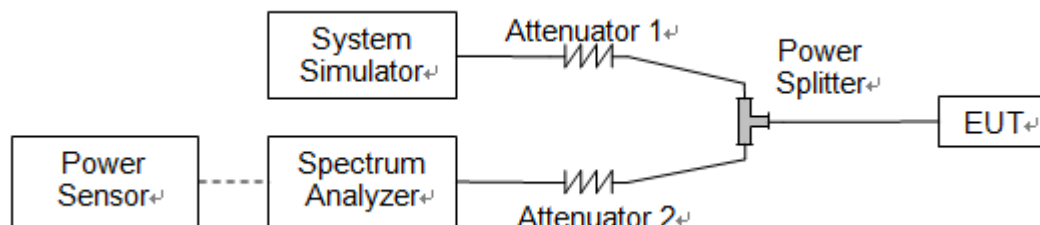
According to FCC section 90.543(e), for operations in the 758-768 MHz and the 788-798 MHz bands, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

- (1) On all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than $65 + 10 \log (P)$ dB in a 6.25 kHz band segment, for mobile and portable stations.
- (2) On any frequency between 775-788 MHz, above 805 MHz, and below 758 MHz, by at least $43 + 10 \log (P)$ dB.
- (3) 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.
- (4) Compliance with the provisions of paragraph (e)(3) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of 30 kHz may be employed.

Band26

According to FCC section 90.961(a), 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.

2.5.2. Test Description



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with



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Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

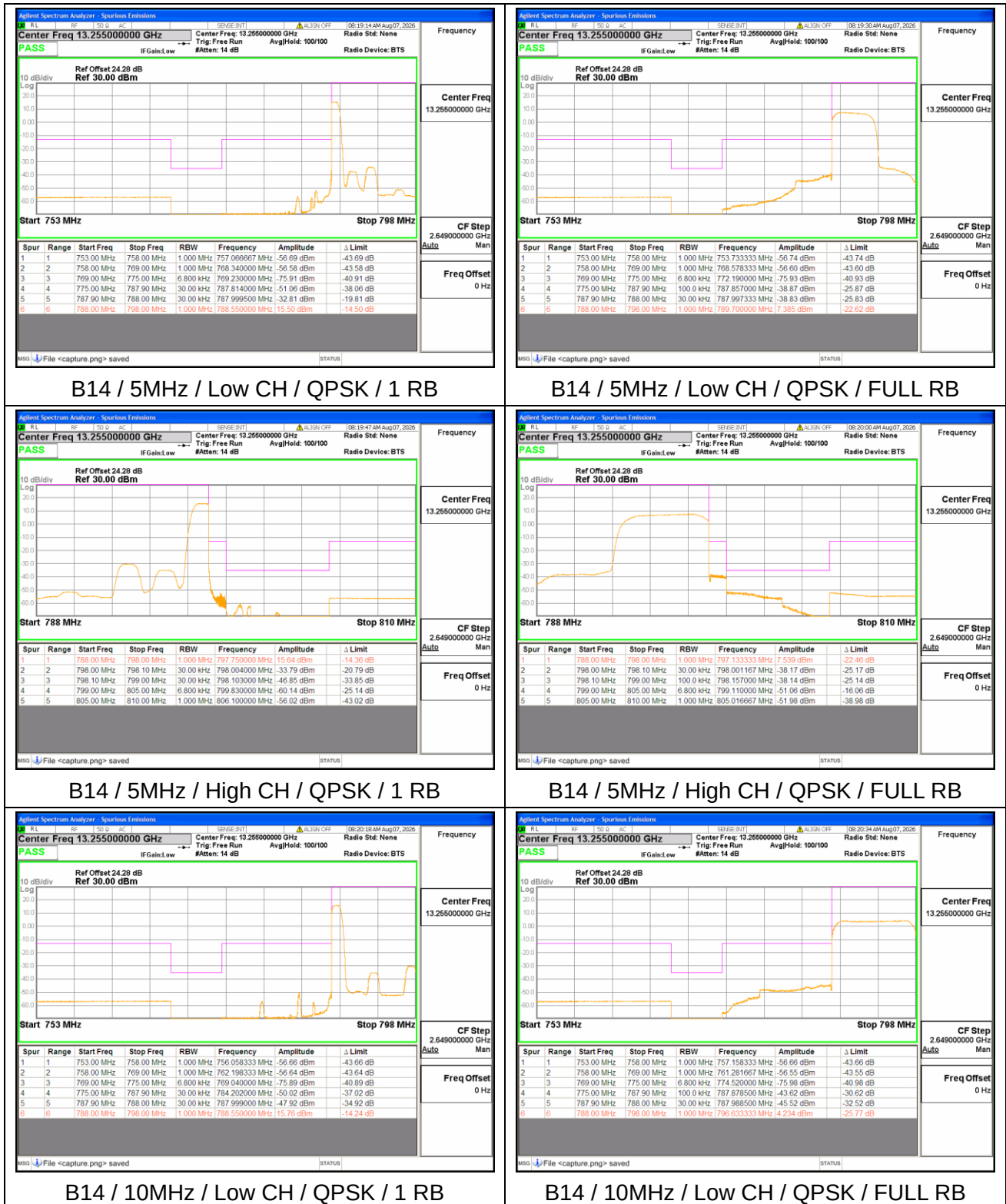
2.5.3. Test procedure

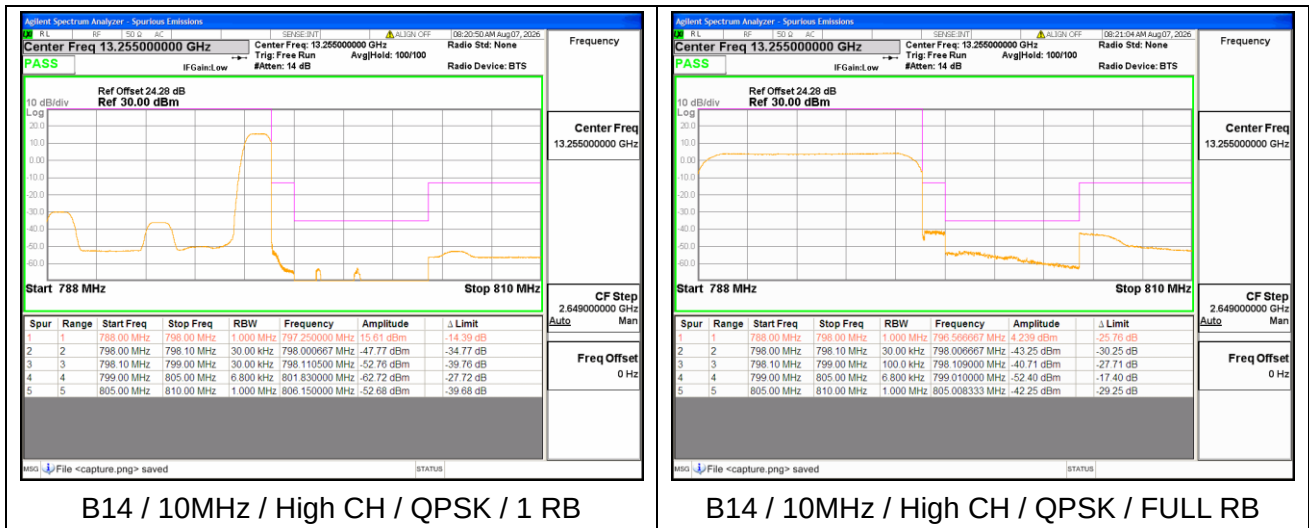
KDB 971168 D01v03 Section 6.0 and ANSI/TIA-603-E-2016.

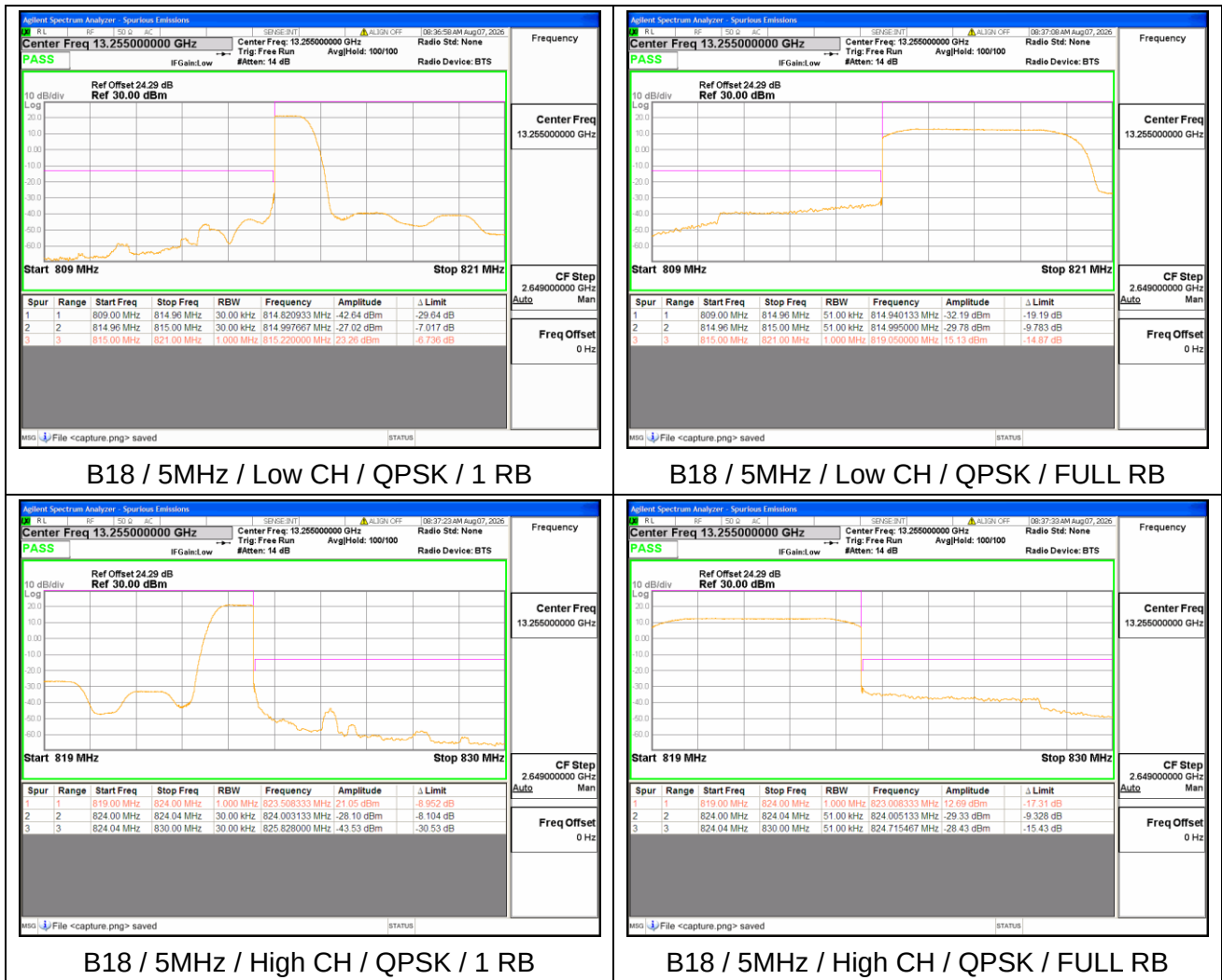


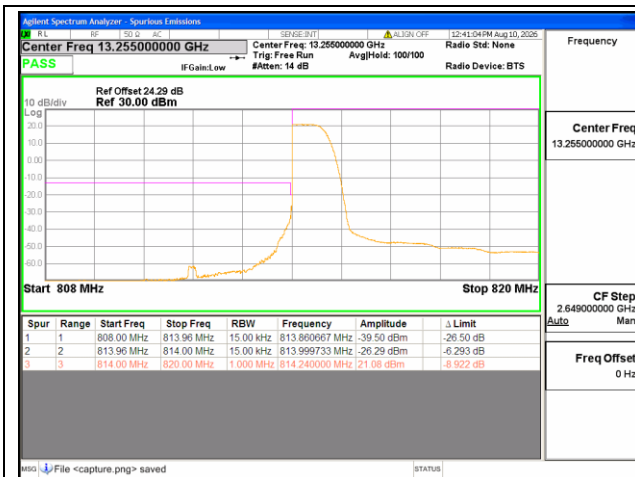


2.5.4. Test Result

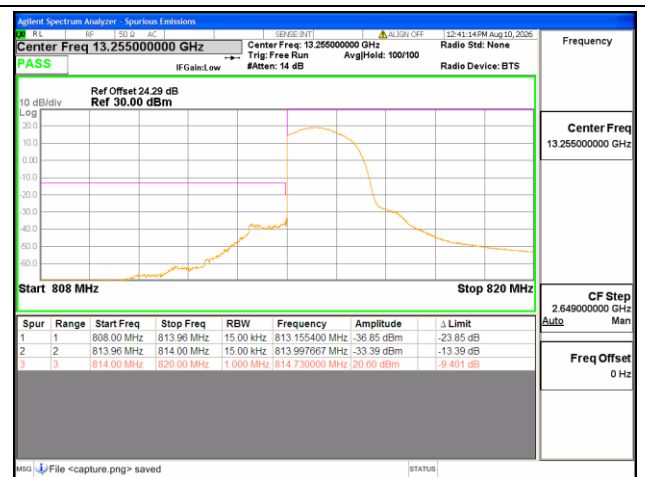




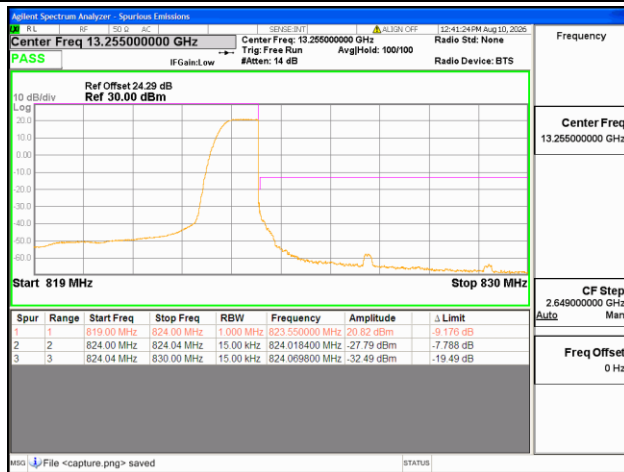




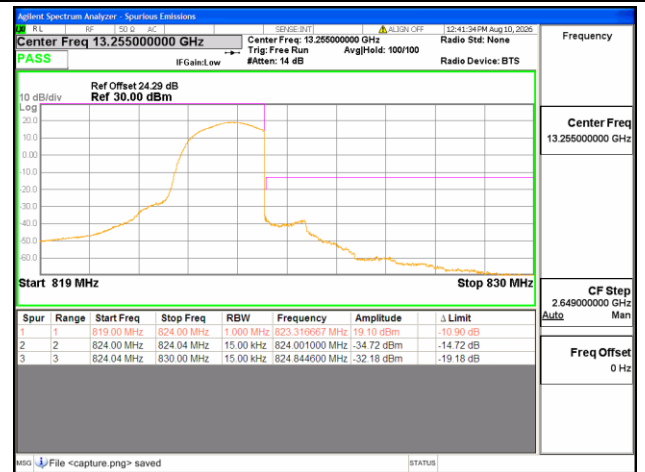
B26 / 1.4MHz / Low CH / QPSK / 1 RB



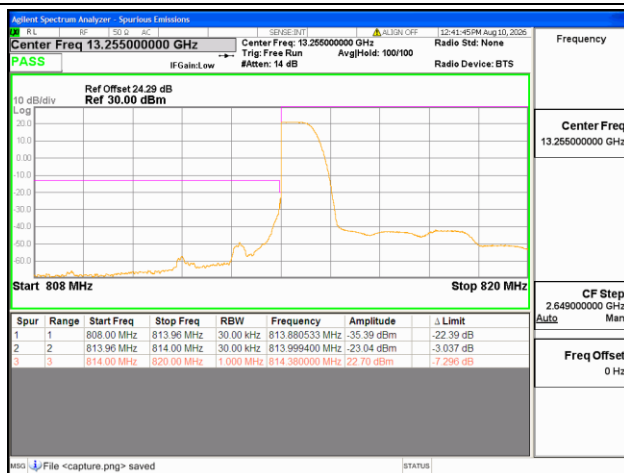
B26 / 1.4MHz / Low CH / QPSK / FULL RB



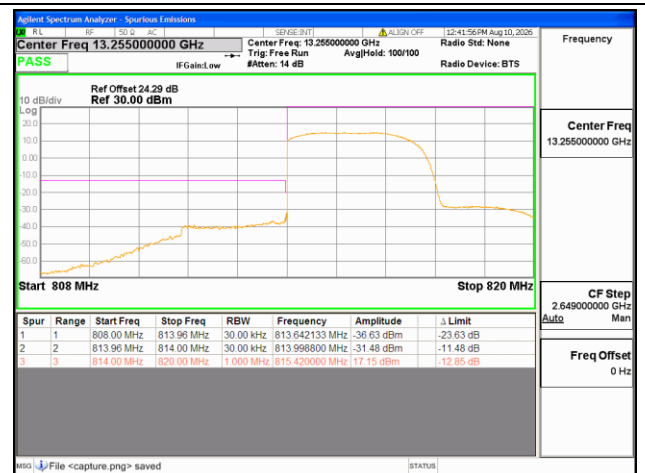
B26 / 1.4MHz / High CH / QPSK / 1 RB



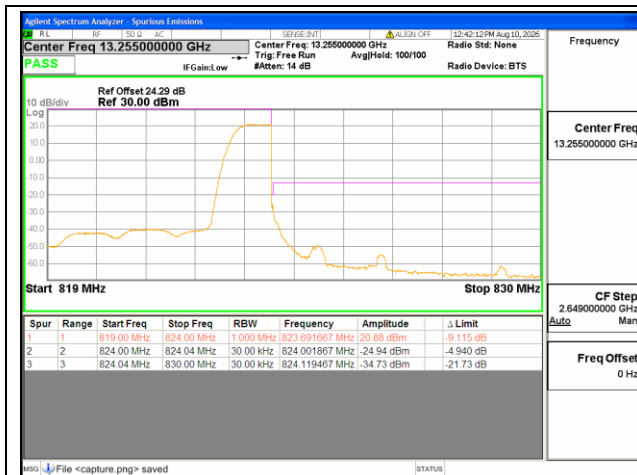
B26 / 1.4MHz / High CH / QPSK / FULL RB



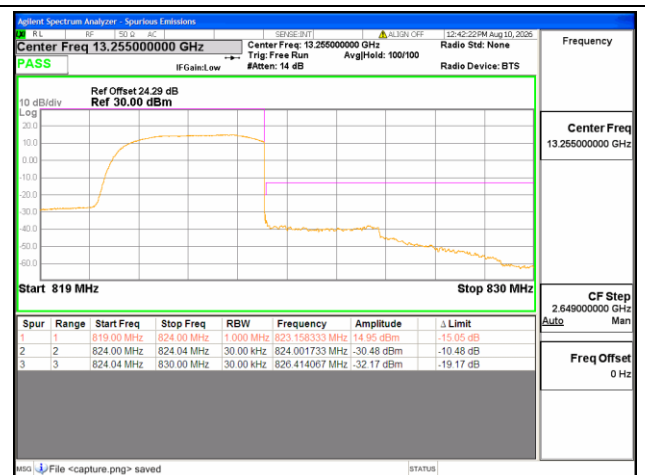
B26 / 3MHz / Low CH / QPSK / 1 RB



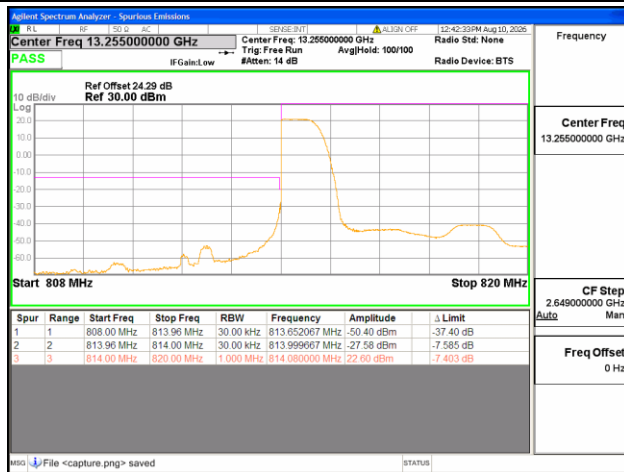
B26 / 3MHz / Low CH / QPSK / FULL RB



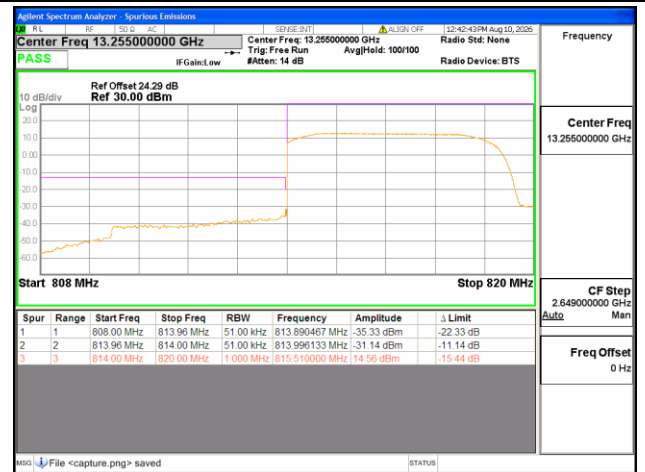
B26 / 3MHz / High CH / QPSK / 1 RB



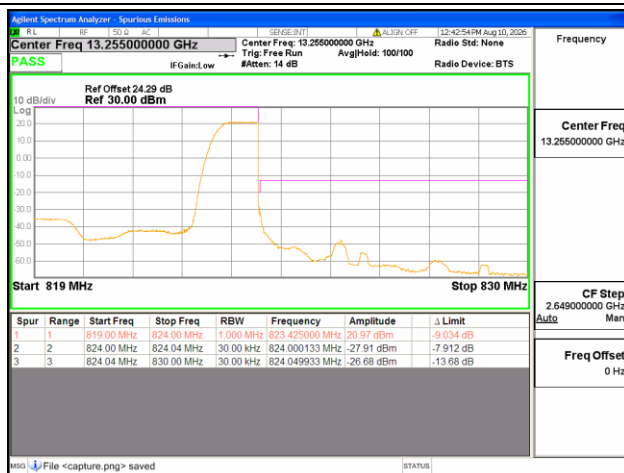
B26 / 3MHz / High CH / QPSK / FULL RB



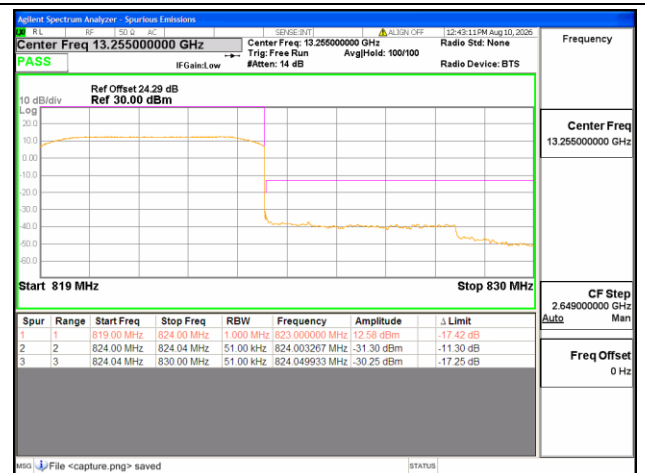
B26 / 5MHz / Low CH / QPSK / 1 RB



B26 / 5MHz / Low CH / QPSK / FULL RB



B26 / 5MHz / High CH / QPSK / 1 RB



B26 / 5MHz / High CH / QPSK / FULL RB