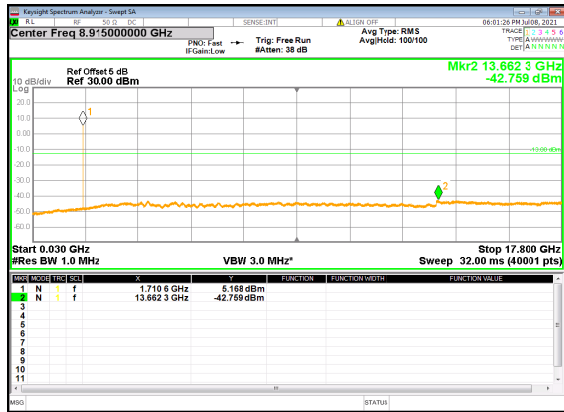
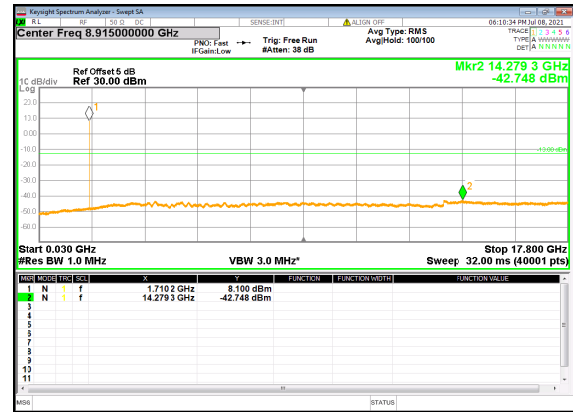
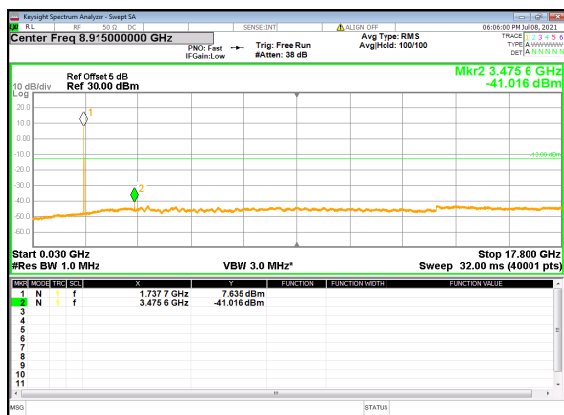
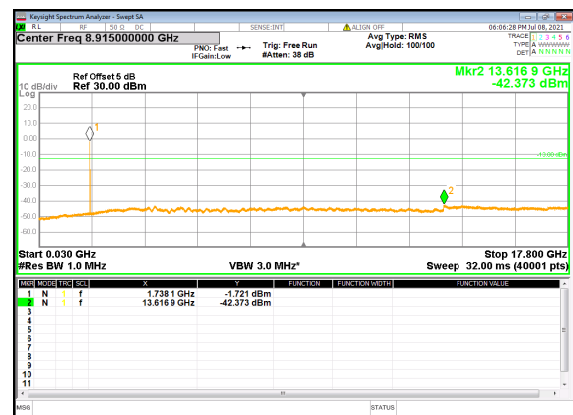
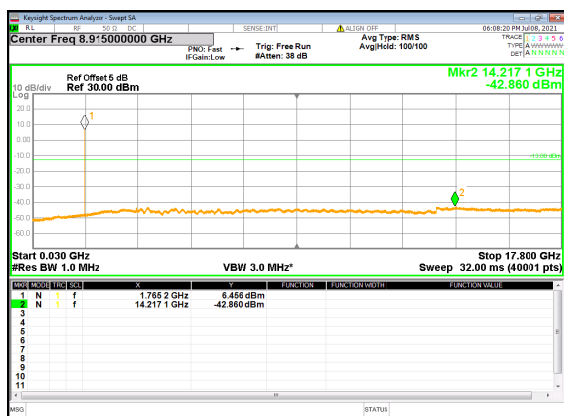
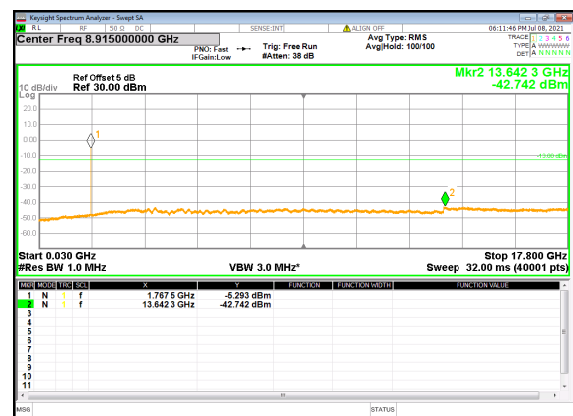
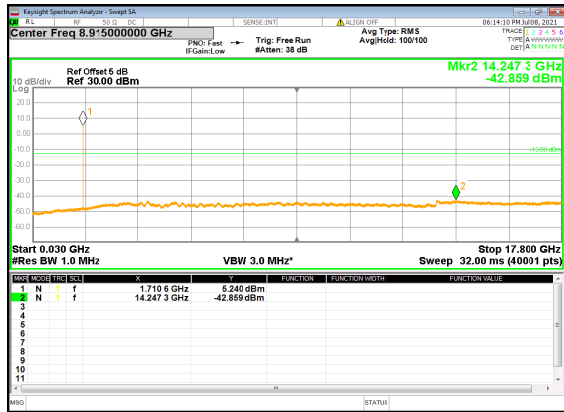
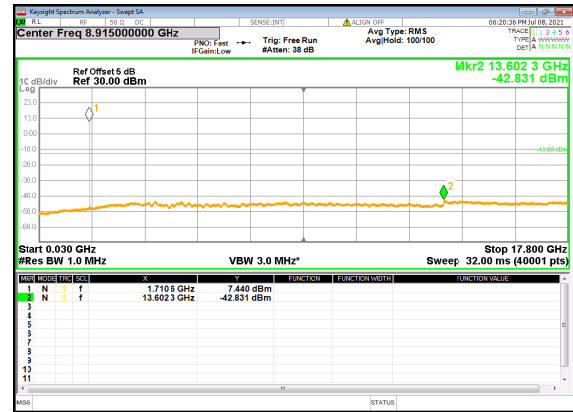
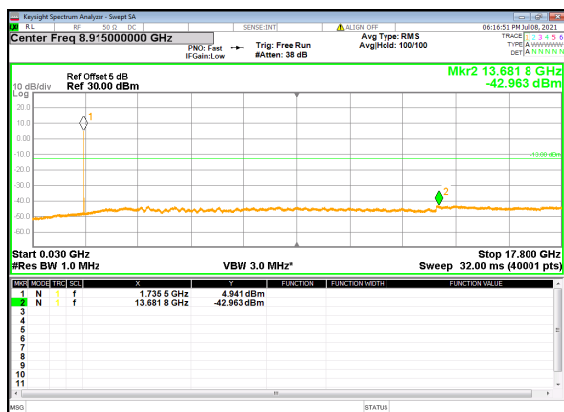
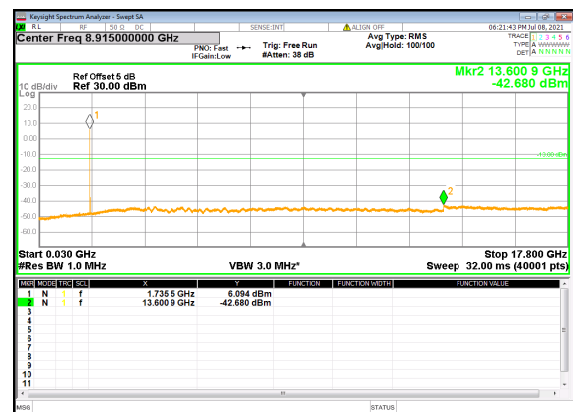
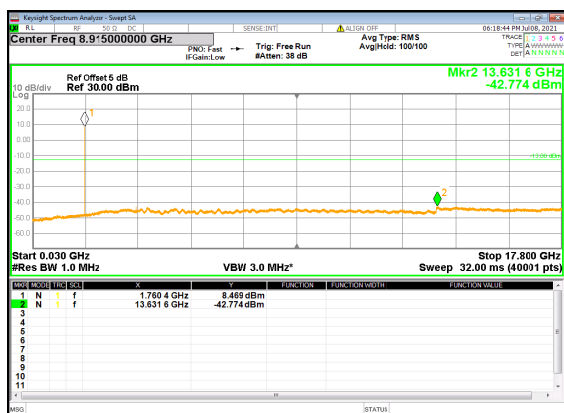
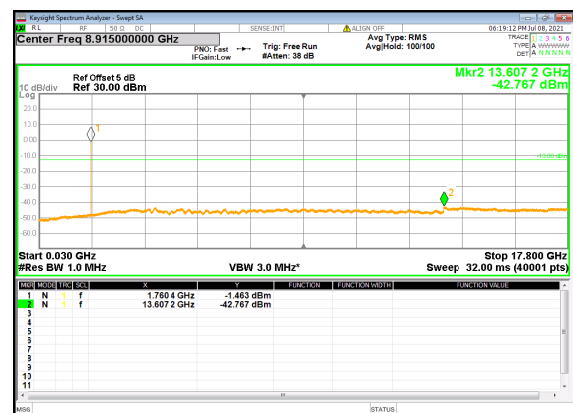


N66(15M)_DFT-s-OFDM_BPSK_Edge_1RB_
Left_Low_CHN66(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Le
ft_Low_CHN66(15M)_DFT-s-OFDM_BPSK_Edge_1RB_
Left_Mid_CHN66(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Le
ft_Mid_CHN66(15M)_DFT-s-OFDM_BPSK_Edge_1RB_
Left_High_CHN66(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Le
ft_High_CH

N66(20M)_DFT-s-OFDM_BPSK_Edge_1RB_
Left_Low_CHN66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Le
ft_Low_CHN66(20M)_DFT-s-OFDM_BPSK_Edge_1RB_
Left_Mid_CHN66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Le
ft_Mid_CHN66(20M)_DFT-s-OFDM_BPSK_Edge_1RB_
Left_High_CHN66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Le
ft_High_CH



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OBAL
System



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2.6. Band Edge

2.6.1. Requirement

According to FCC section 22.917(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.

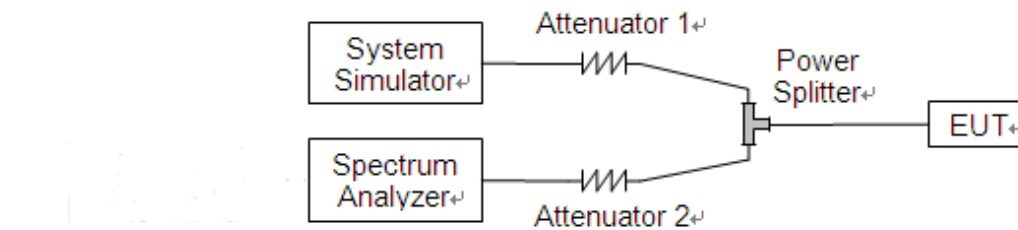
N7, 38, 41

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. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

N66

According to FCC section 27.53(h), for operations in the 1710–1755MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $43 + 10 \log_{10}(P)$ dB a 1MHz bandwidth. However, in the 1 MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

2.6.2. 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 50Ω; 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.

2.6.3. Test procedure

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

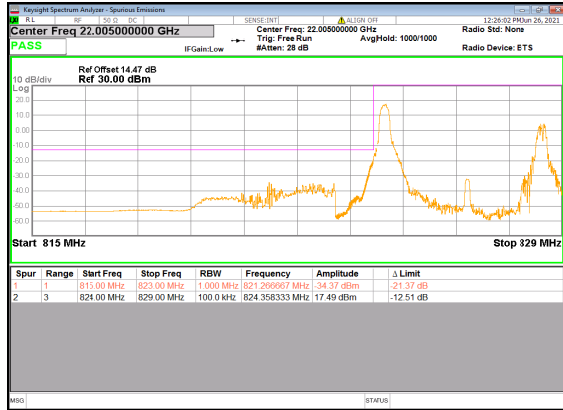
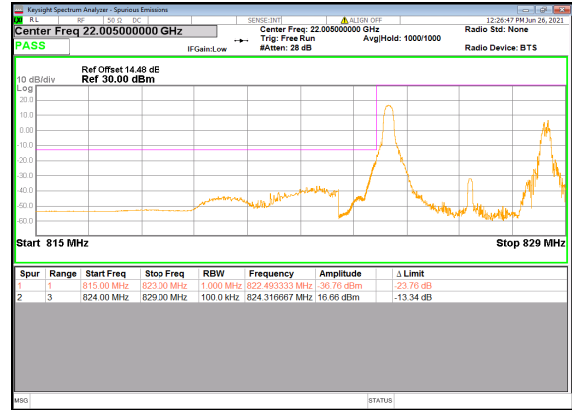
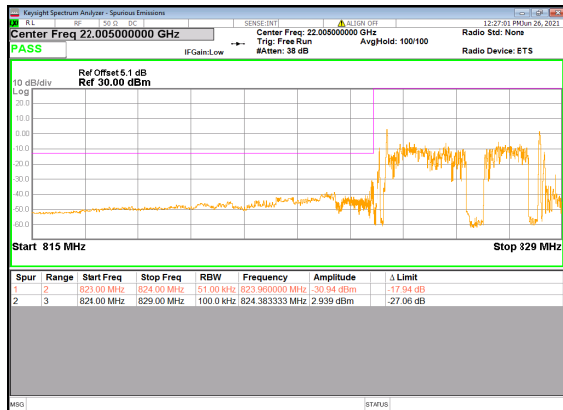
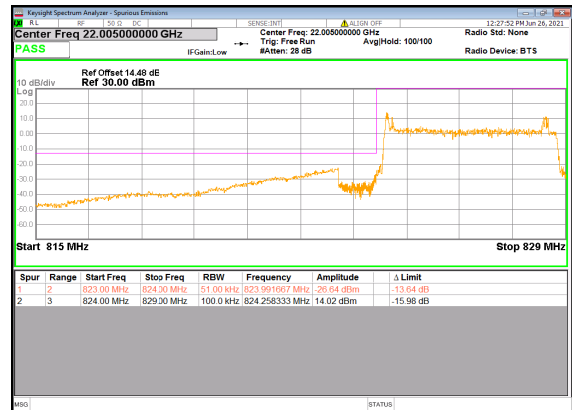
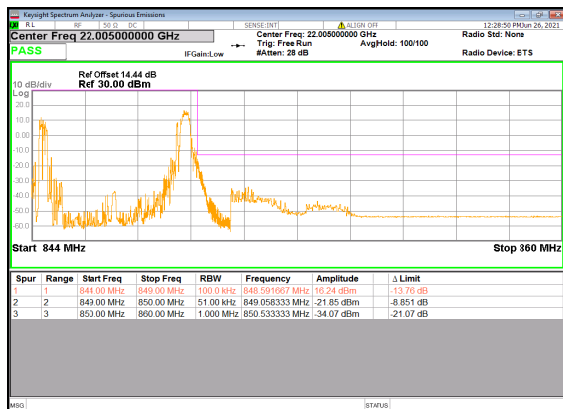
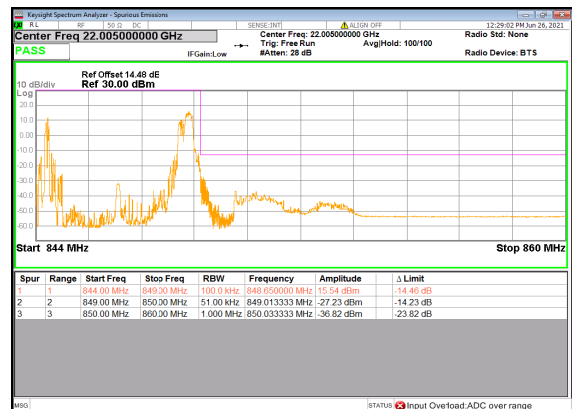


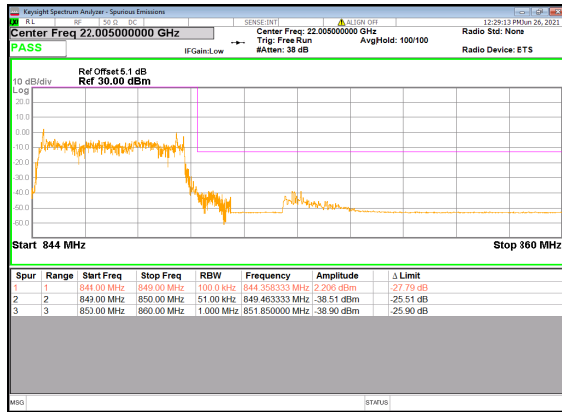
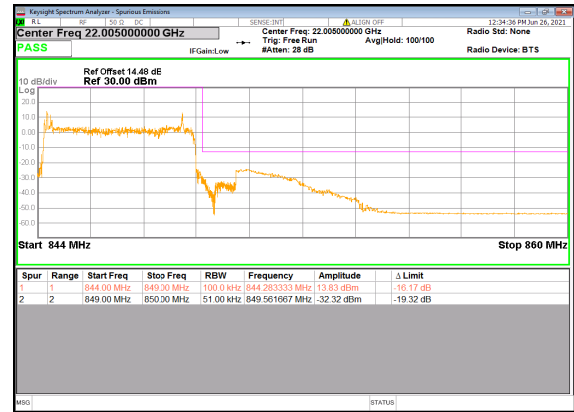
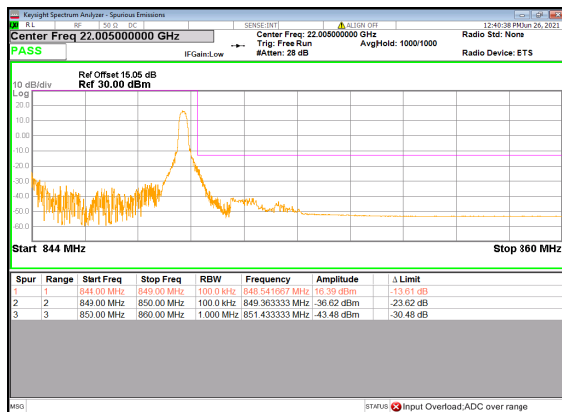
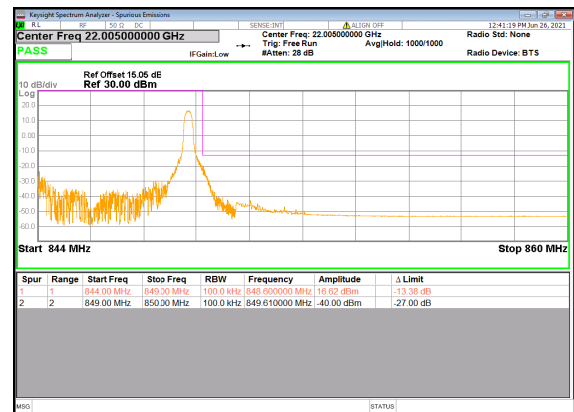
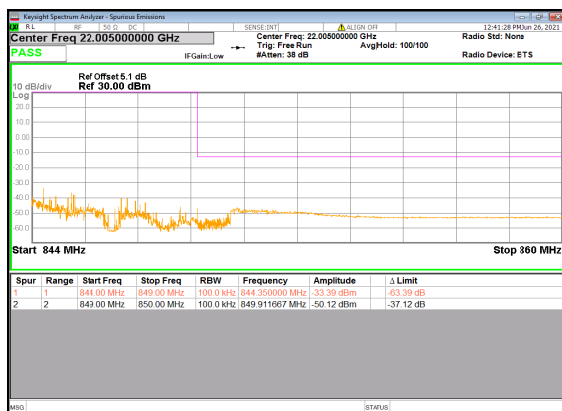
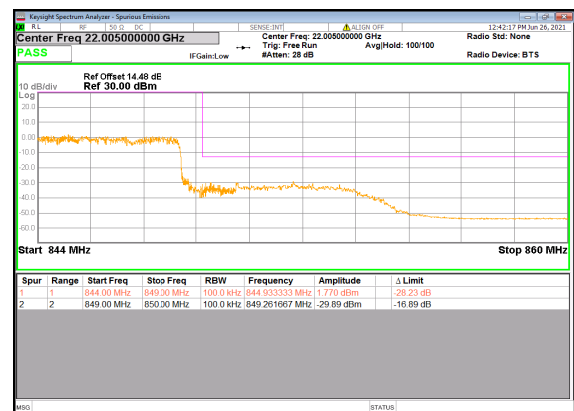
REPORT No.: SZ21040341W12

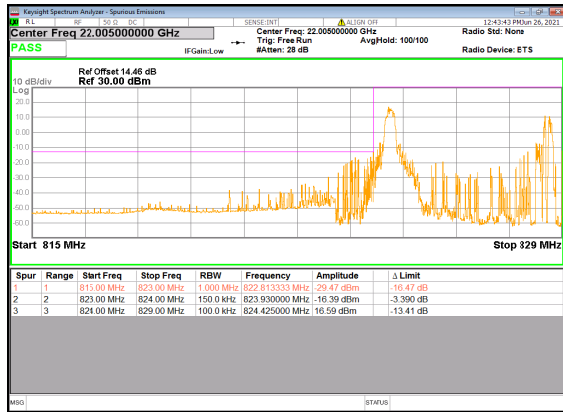
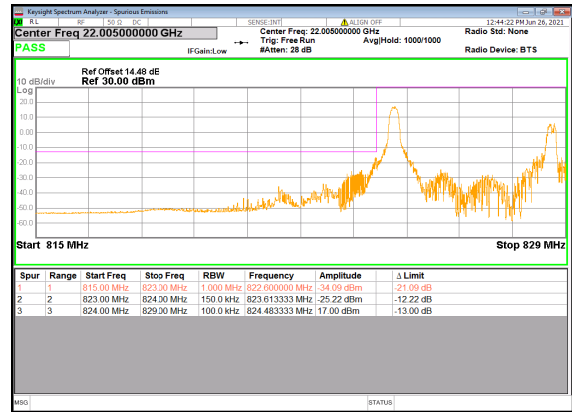
2.6.4. Test Result

The center frequency of spectrum is the band edge frequency and span is 2MHz, Record the max trace into the test report.

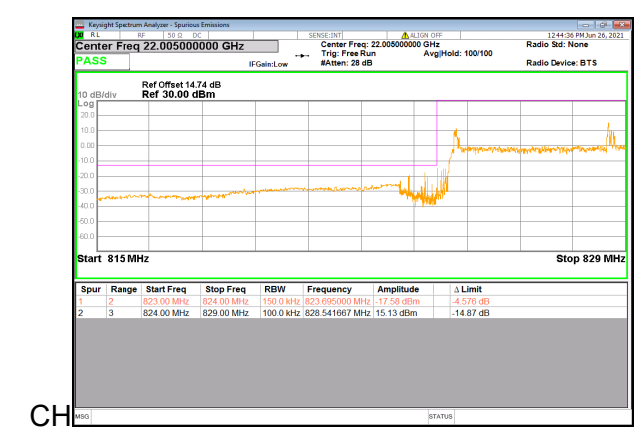


N5(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_
Low_CHN5(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_
_Low_CHN5(5M)_DFT-s-OFDM_BPSK_Outer_
Full_Low_CHN5(5M)_DFT-s-OFDM_QPSK_Outer_
Full_Low_CHN5(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_
t_High_CHN5(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Rig
ht_High_CH

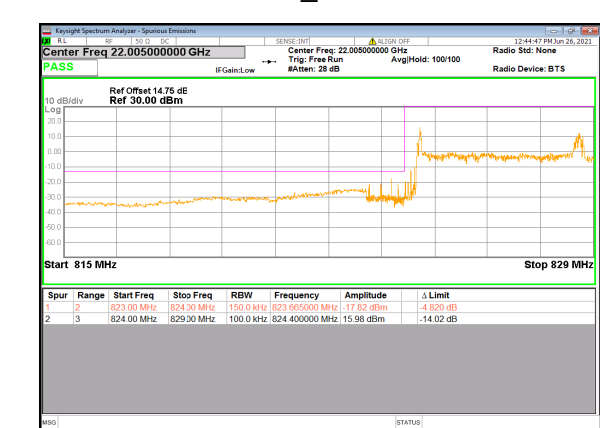
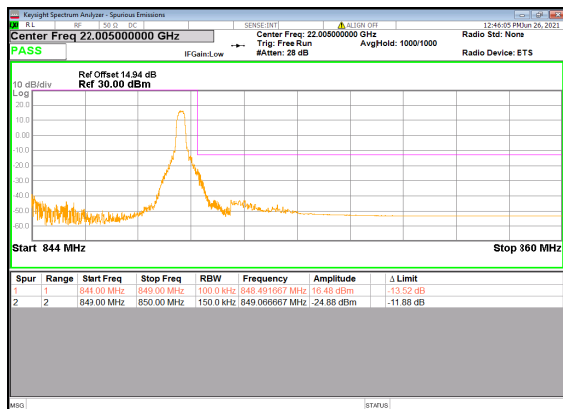
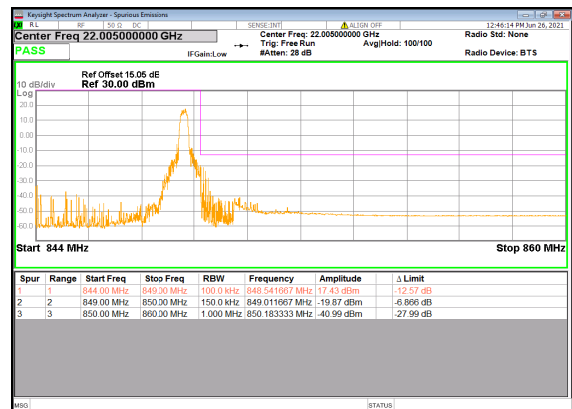
N5(5M)_DFT-s-OFDM_BPSK_Outer_
Full_High_CHN5(5M)_DFT-s-OFDM_QPSK_Outer_
Full_High_CHN5(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Rig
ht_High_CHN5(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Ri
ght_High_CHN5(10M)_DFT-s-OFDM_BPSK_Outer_Full_Hig
h_CHN5(10M)_DFT-s-OFDM_QPSK_Outer_Full_Hi
gh_CH

N5(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Left
_Low_CHN5(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left
_Low_CH

N5(15M)_DFT-s-OFDM_BPSK_Outer_Full_Low

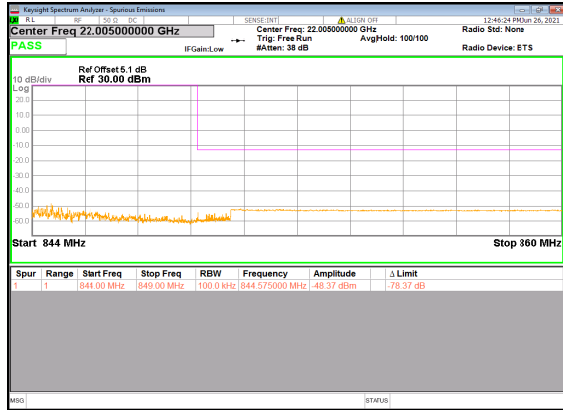


N5(15M)_DFT-s-OFDM_QPSK_Outer_Full_Low

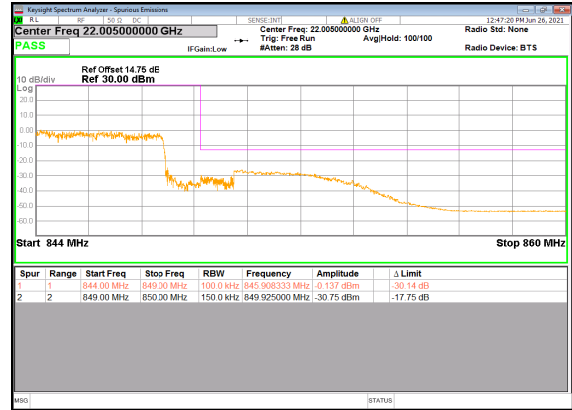
N5(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Right
_High_CHN5(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Right
_High_CH



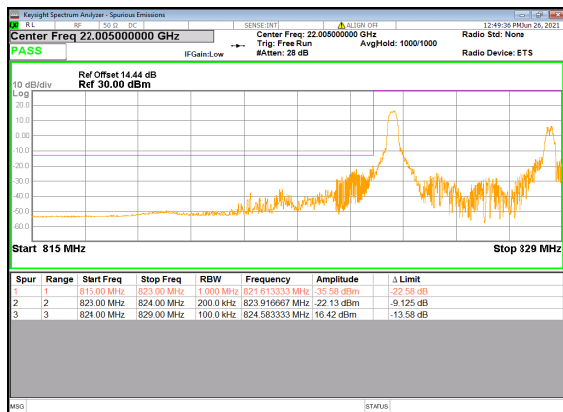
N5(15M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



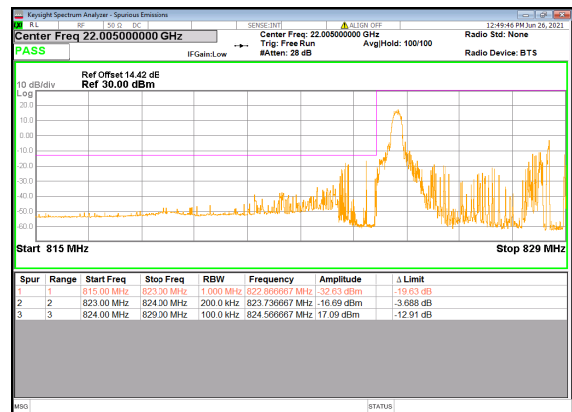
N5(15M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



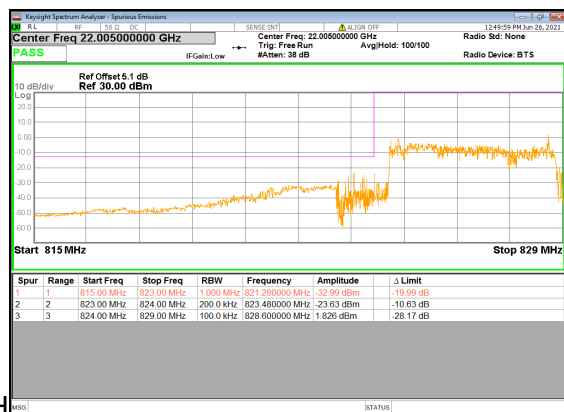
N5(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



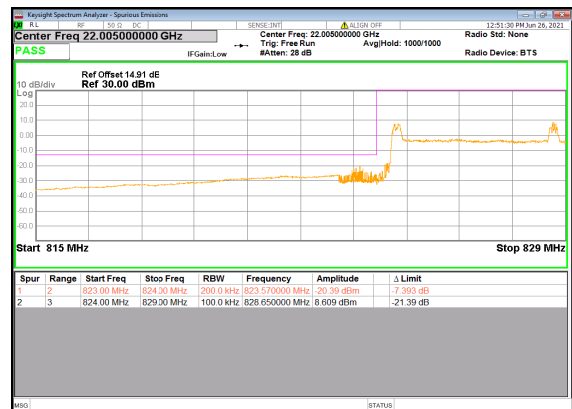
N5(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

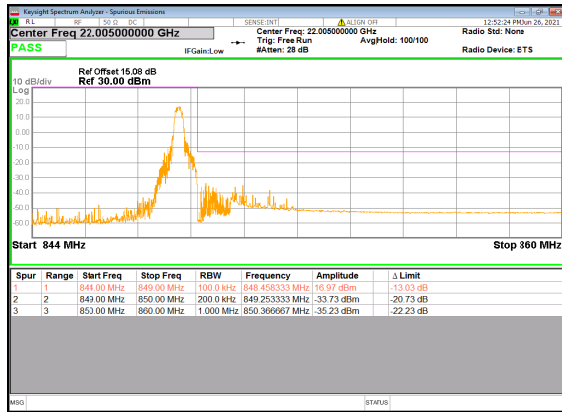
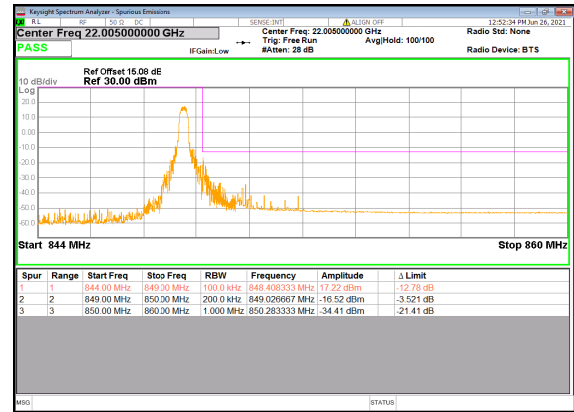
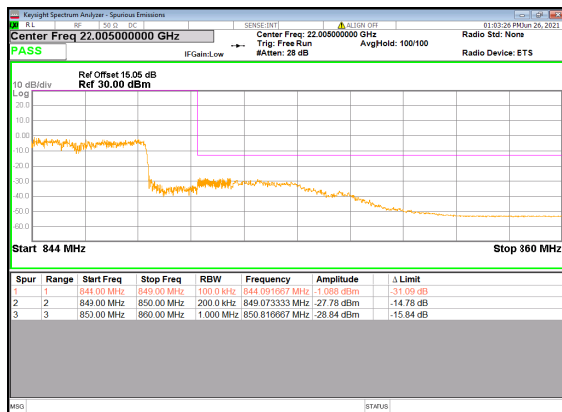
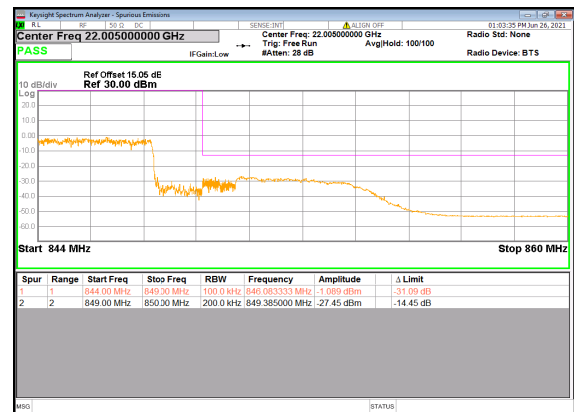
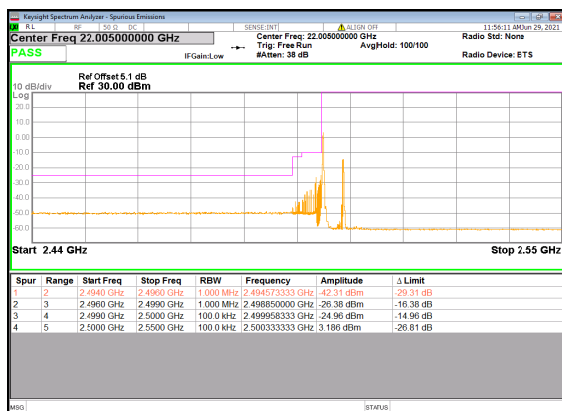
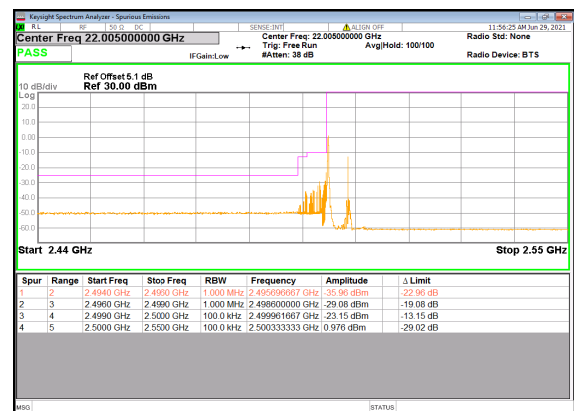


N5(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



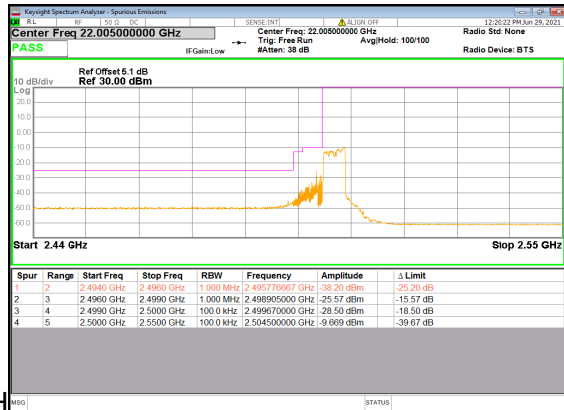
N5(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



N5(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Rig
ht_High_CHN5(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Ri
ght_High_CHN5(20M)_DFT-s-OFDM_BPSK_Edge_FULL_Ri
ght_High_CHN5(20M)_DFT-s-OFDM_QPSK_Edge_FULL_R
ight_High_CHN7(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left
Low_CHN7(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left
_Low_CH



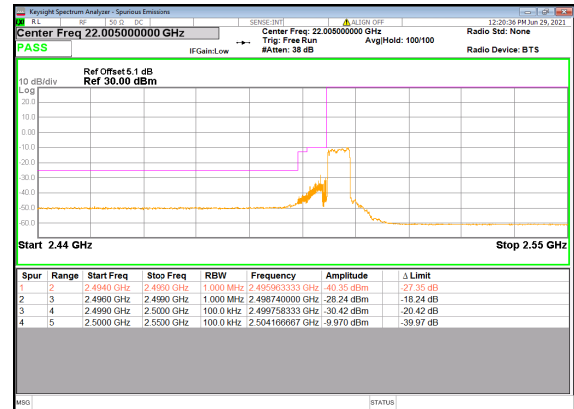
N7(5M)_DFT-s-OFDM_BPSK_Outer_Full_Low_



CH

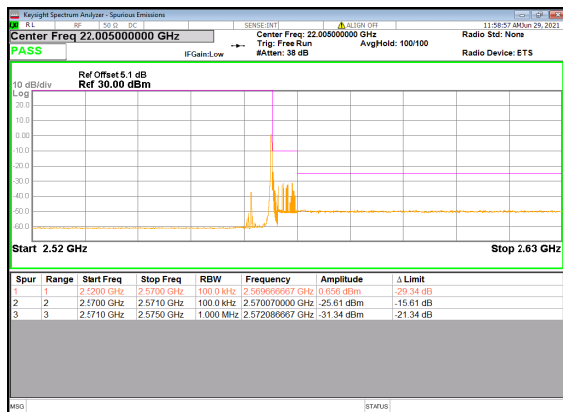
N7(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low_

_CH



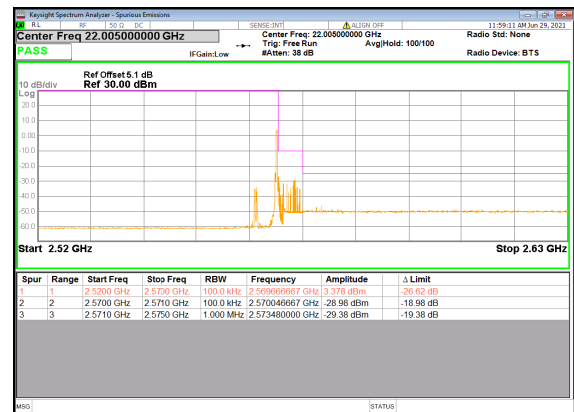
N7(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Righ

t_High_CH



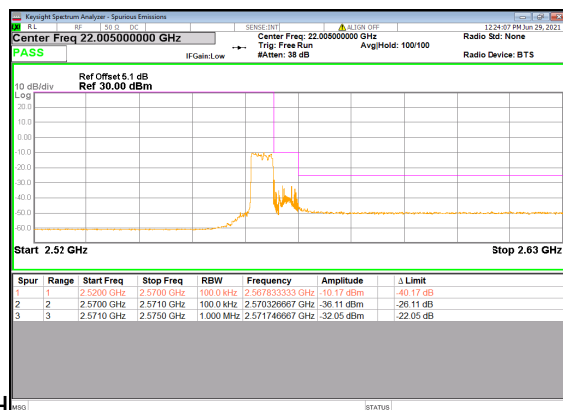
N7(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Rig

ht_High_CH



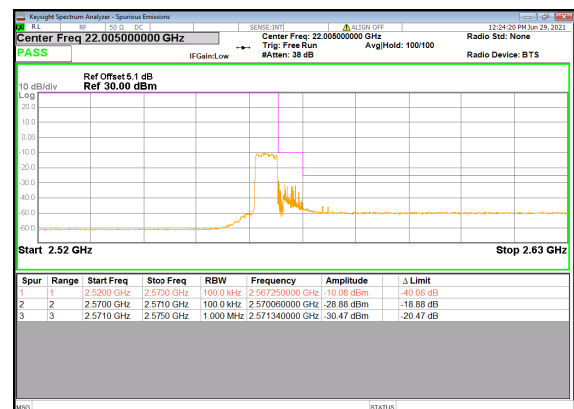
N7(5M)_DFT-s-OFDM_BPSK_Outer_Full_High

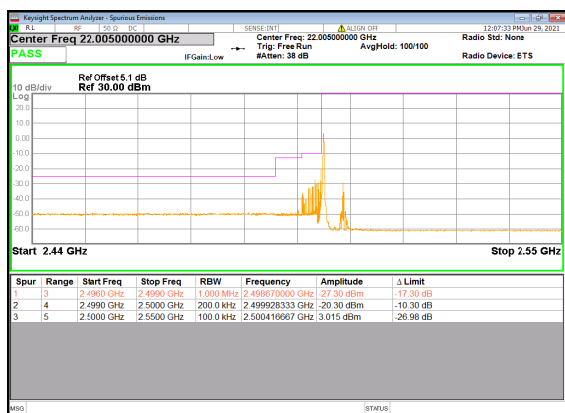
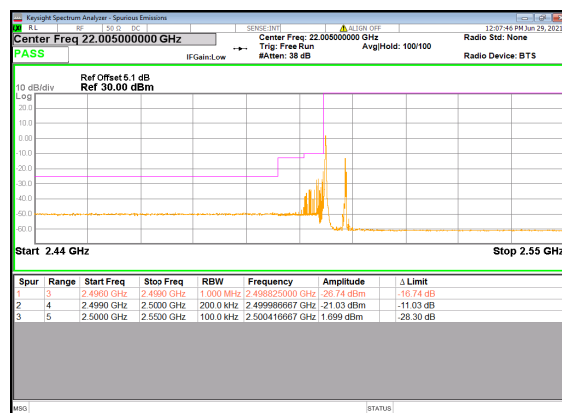
_CH



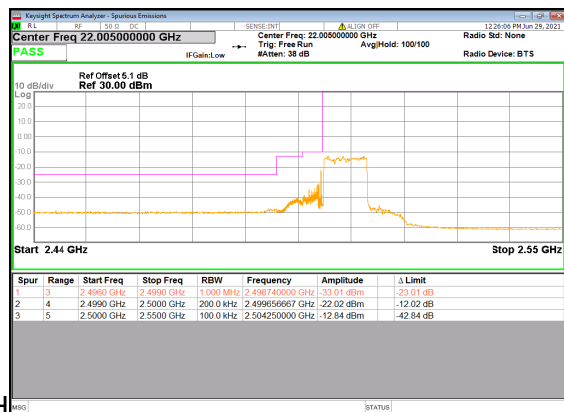
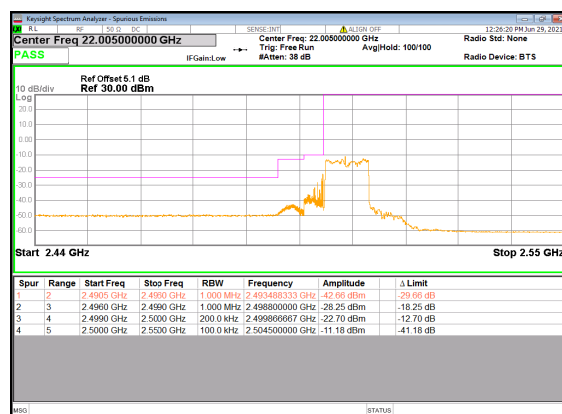
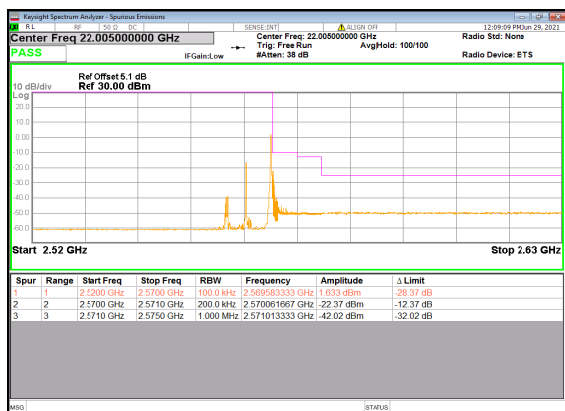
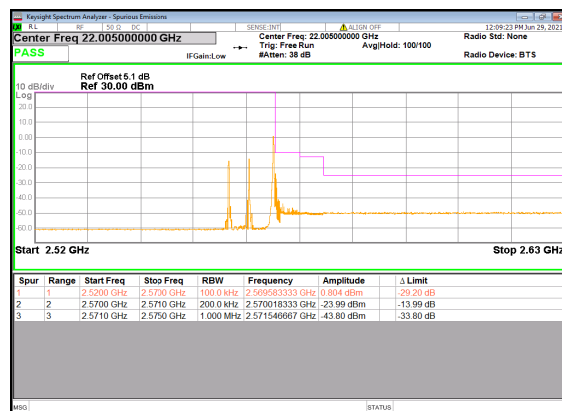
N7(5M)_DFT-s-OFDM_QPSK_Outer_Full_Hig

h_CH



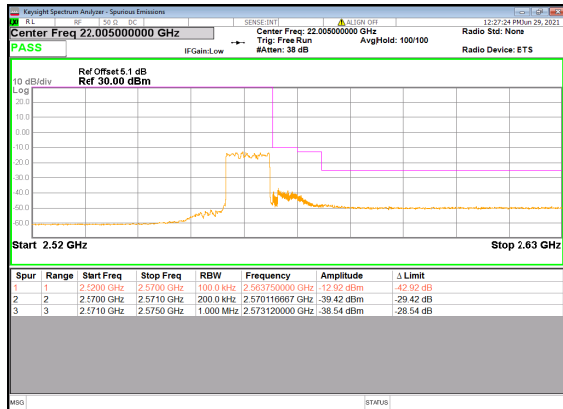
N7(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left
_Low_CHN7(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Le
ft_Low_CH

N7(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low

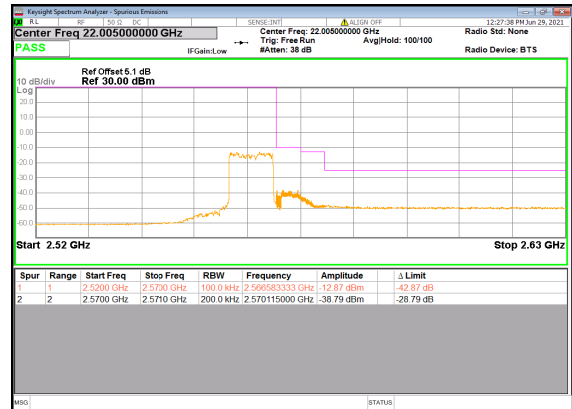
N7(10M)_DFT-s-OFDM_QPSK_Outer_Full_Lo
w_CHN7(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Rig
ht_High_CHN7(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Ri
ght_High_CH



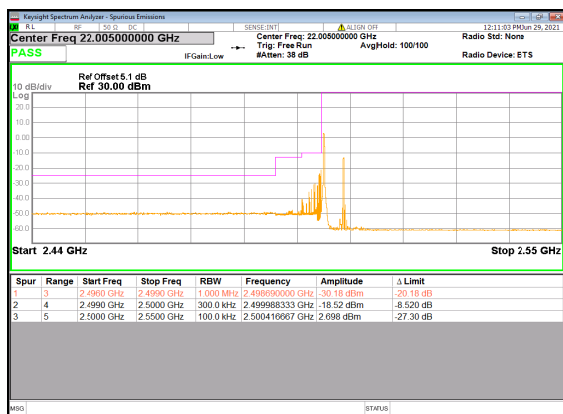
N7(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



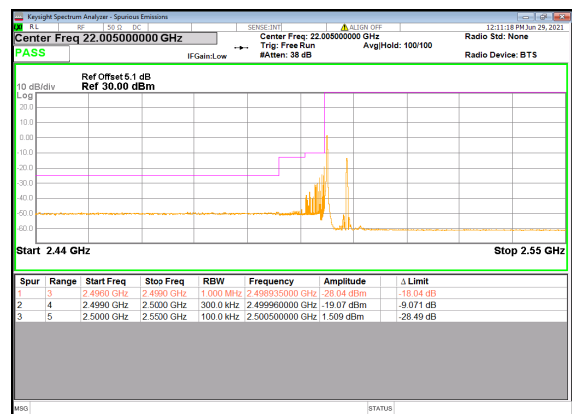
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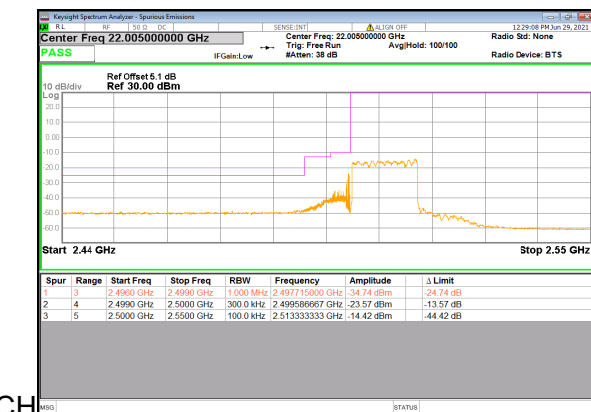
N7(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



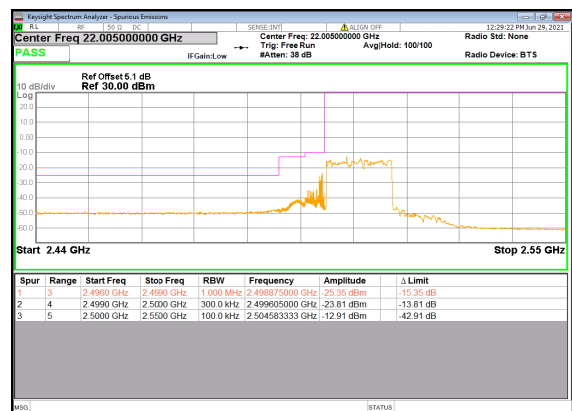
N7(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

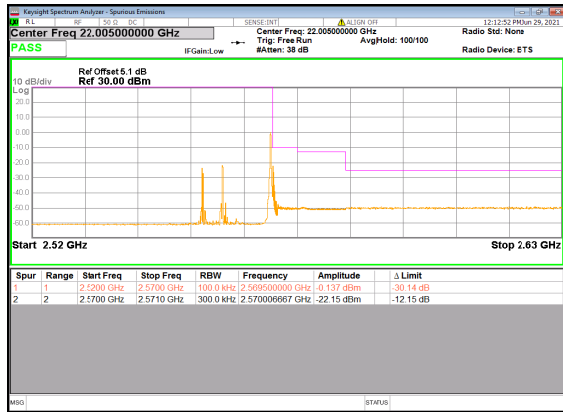
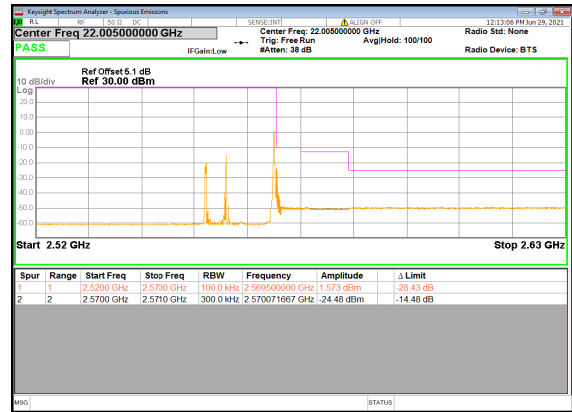
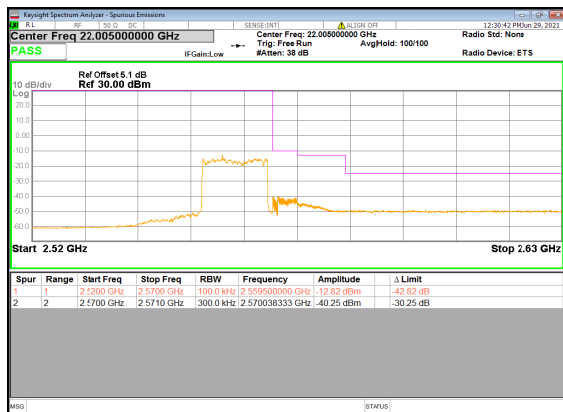
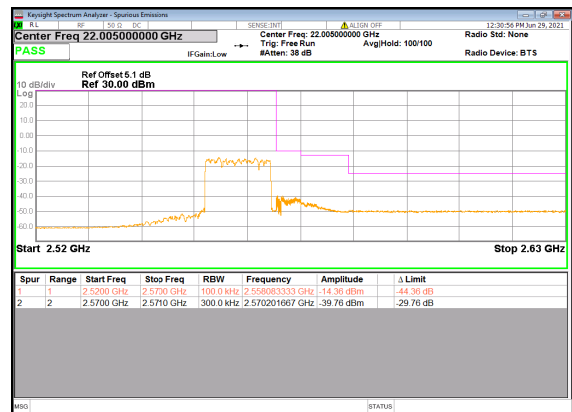
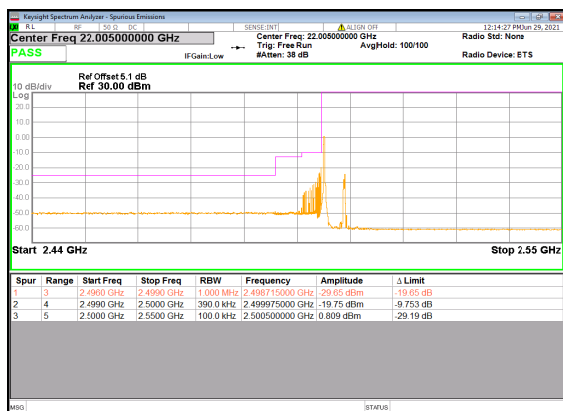
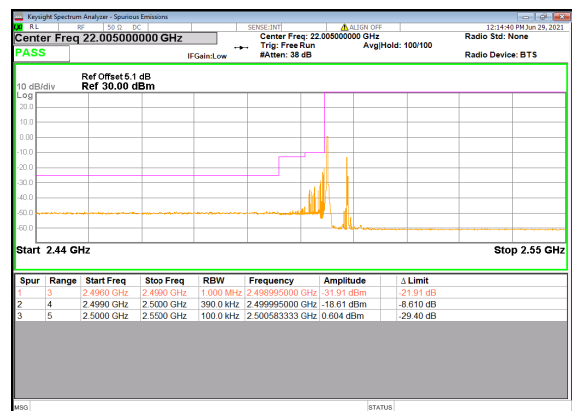


N7(15M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



N7(15M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

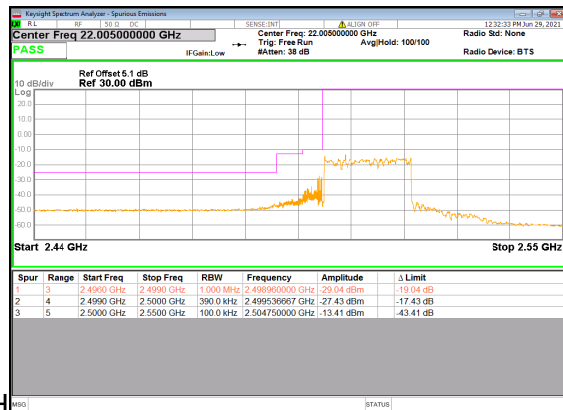


N7(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Rig
ht_High_CHN7(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Ri
ght_High_CHN7(15M)_DFT-s-OFDM_BPSK_Outer_Full_Hig
h_CHN7(15M)_DFT-s-OFDM_QPSK_Outer_Full_Hi
gh_CHN7(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left
_Low_CHN7(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Le
ft_Low_CH

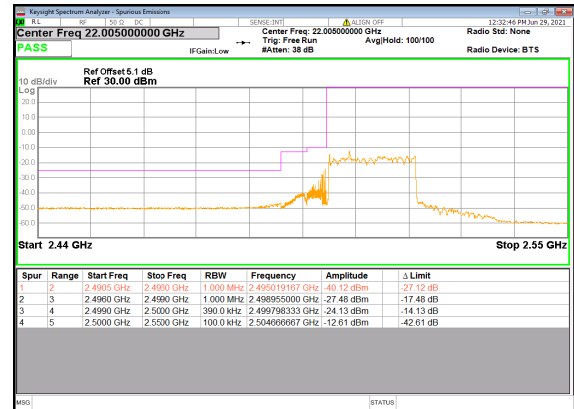


N7(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low

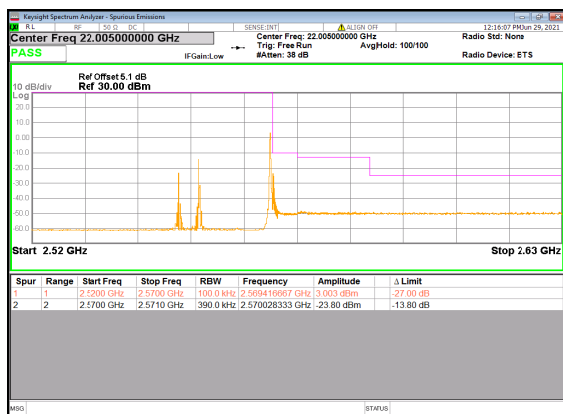
_CH



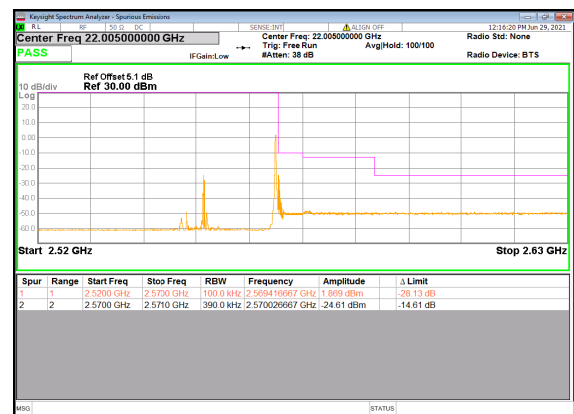
N7(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



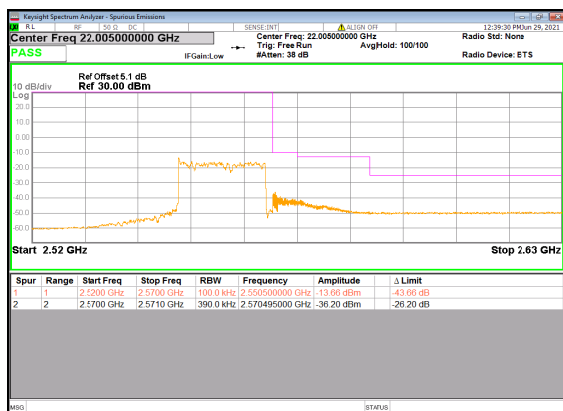
N7(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



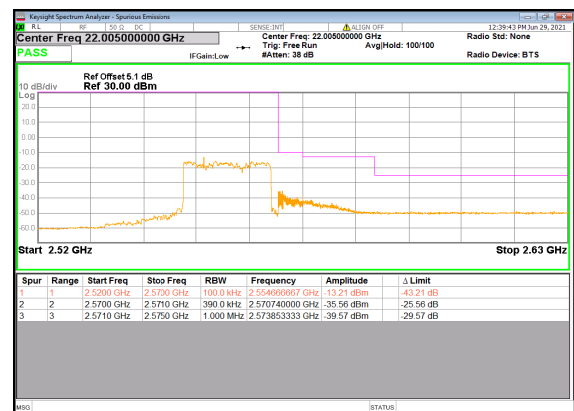
N7(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

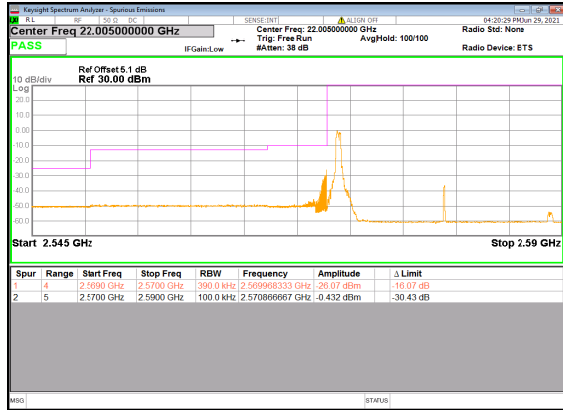
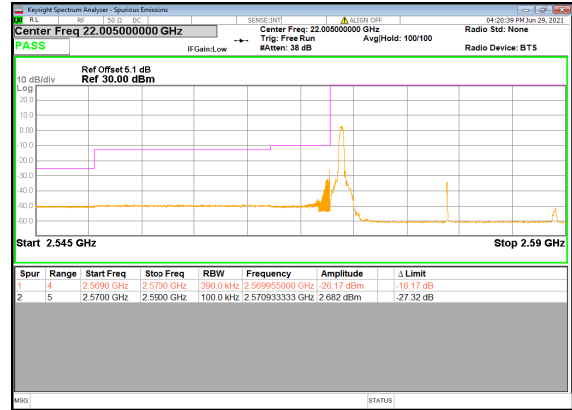
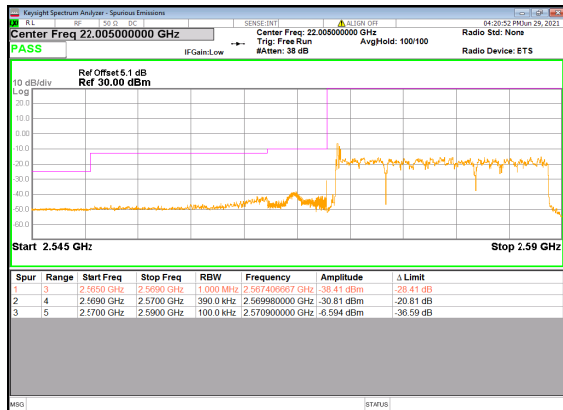
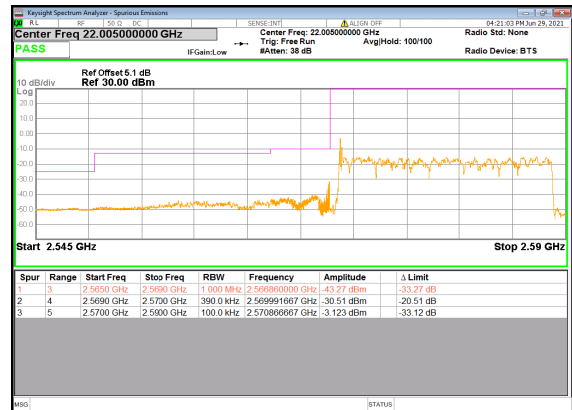
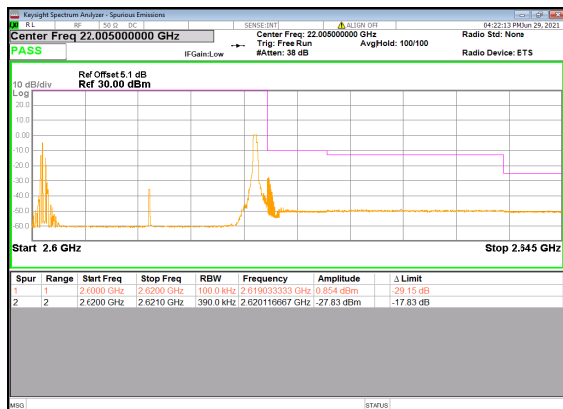
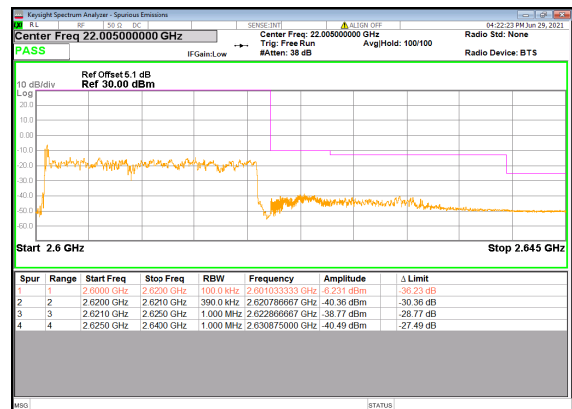


N7(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



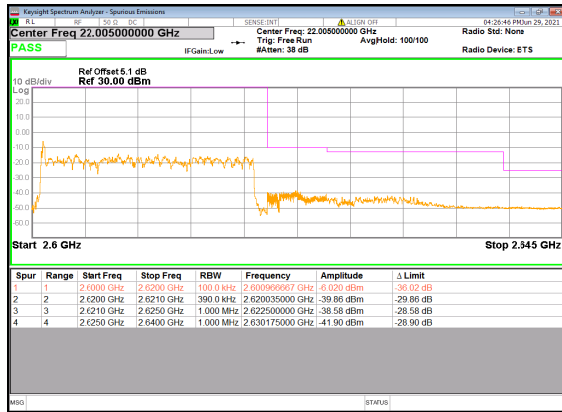
N7(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



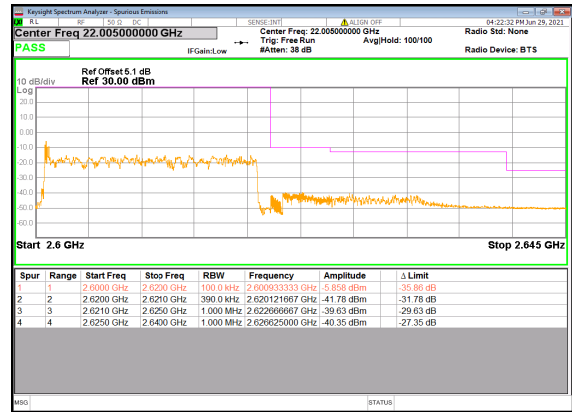
N38(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Le
ft_Low_CHN38(20M)_DFT-s-OFDM_QPSK_Edge_1RB_L
eft_Low_CHN38(20M)_DFT-s-OFDM_BPSK_Outer_Full_Lo
w_CHN38(20M)_DFT-s-OFDM_QPSK_Outer_Full_L
ow_CHN38(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Ri
ght_High_CHN38(20M)_DFT-s-OFDM_BPSK_Outer_Full_Hi
gh_CH

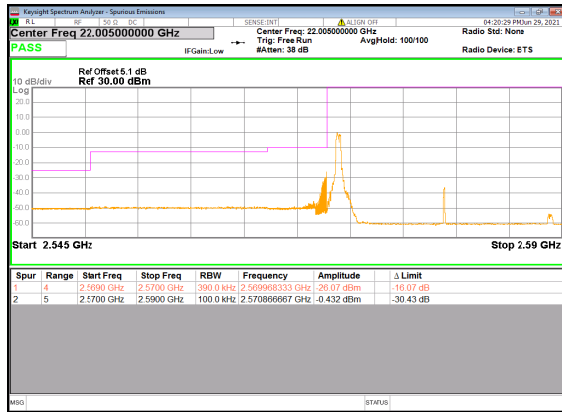
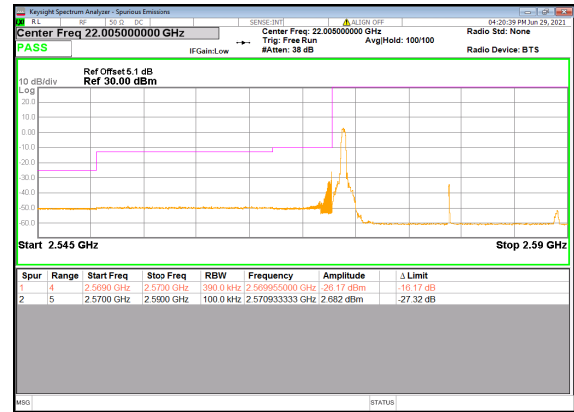
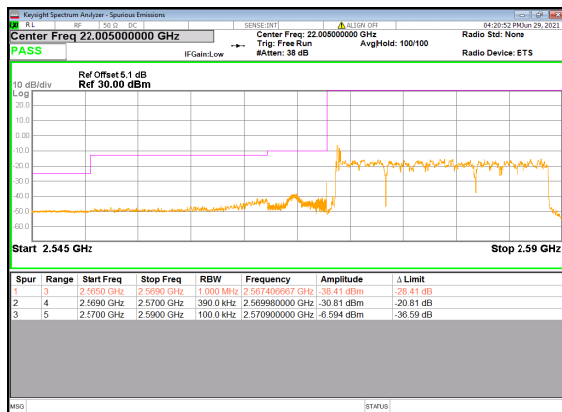
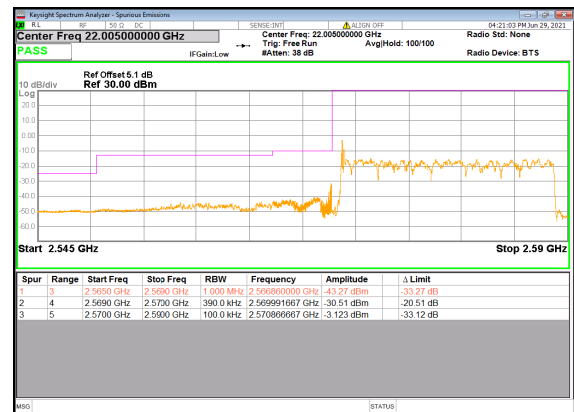
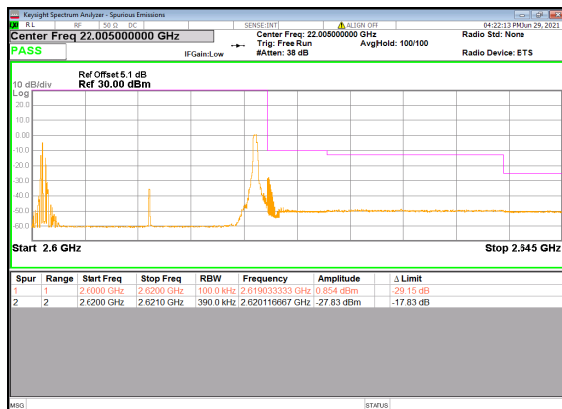
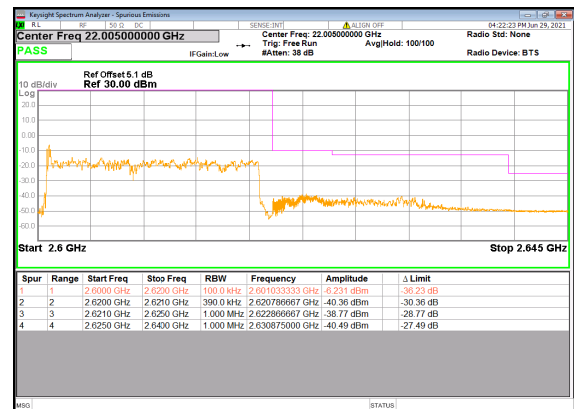


N38(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



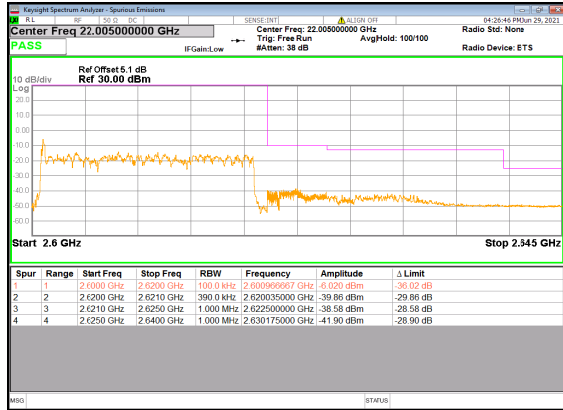
N38(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



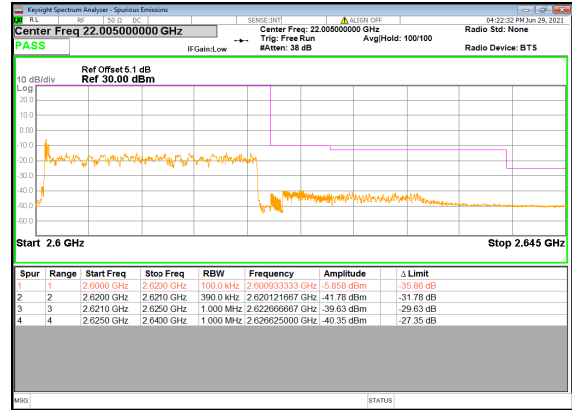
N38(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Le
ft_Low_CHN38(40M)_DFT-s-OFDM_QPSK_Edge_1RB_L
eft_Low_CHN38(40M)_DFT-s-OFDM_BPSK_Outer_Full_Lo
w_CHN38(40M)_DFT-s-OFDM_QPSK_Outer_Full_L
ow_CHN38(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Ri
ght_High_CHN38(40M)_DFT-s-OFDM_BPSK_Outer_Full_Hi
gh_CH



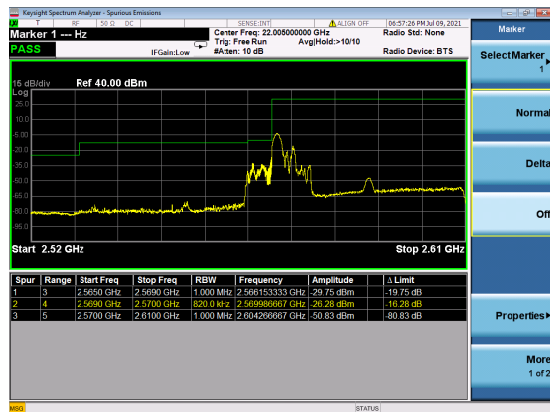
N38(40M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



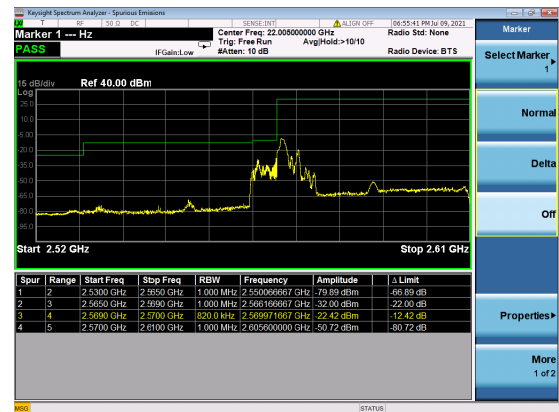
N38(40M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



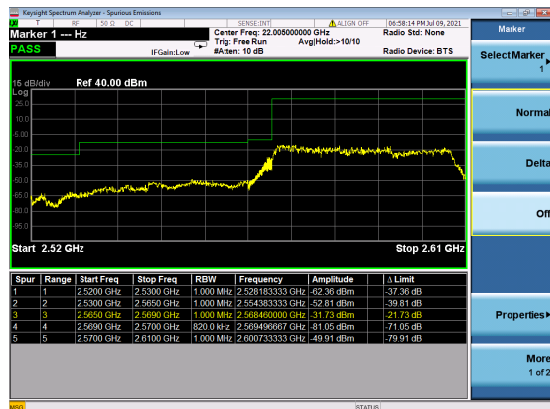
N38(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N38(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

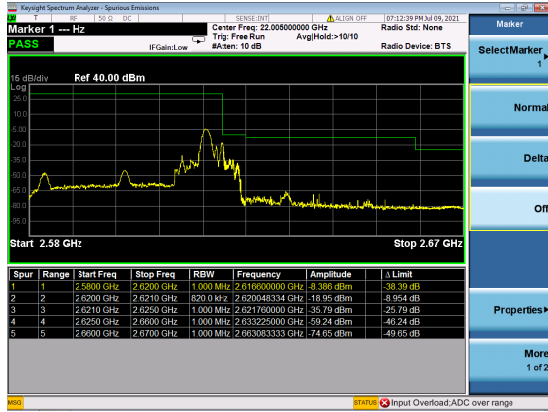
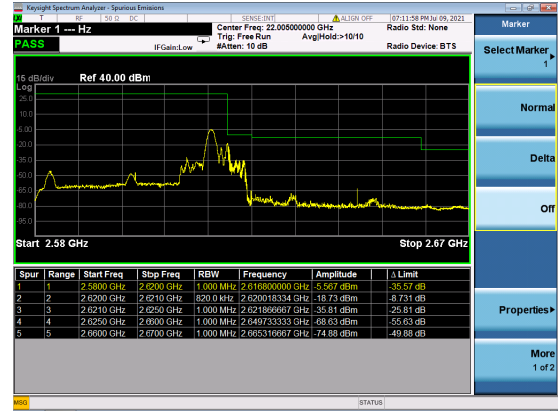
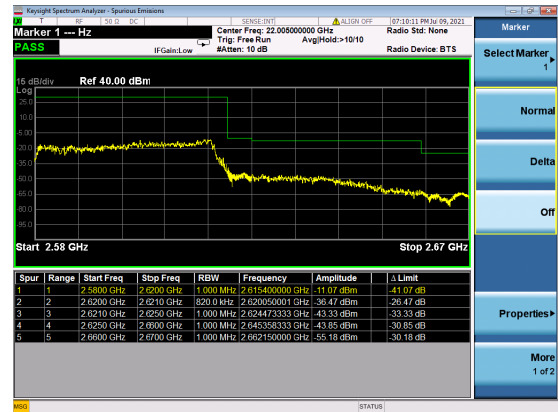
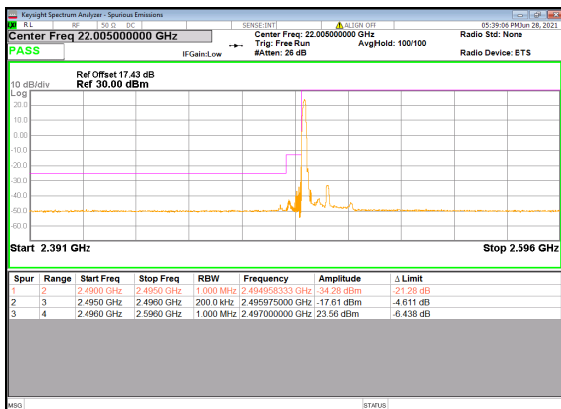
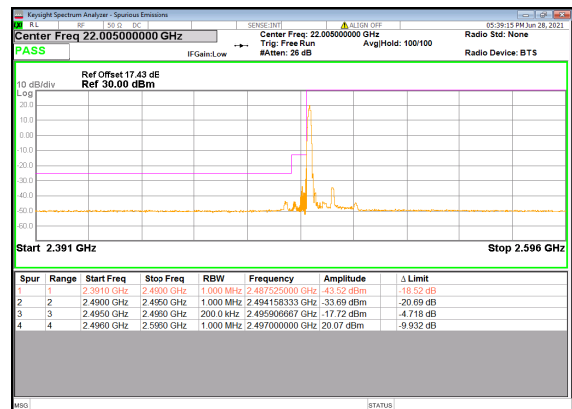


N38(40M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



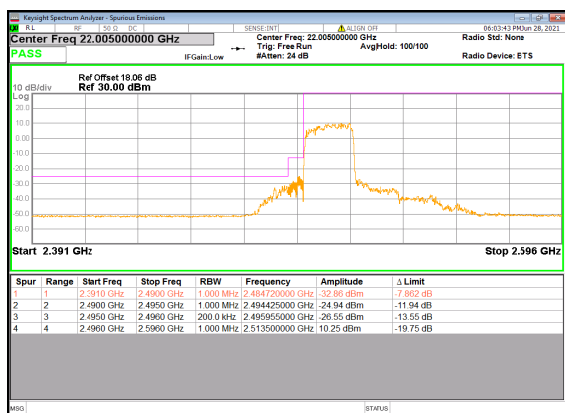
N38(40M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



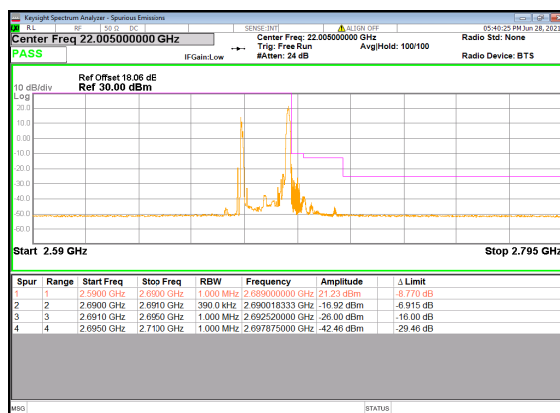
N38(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Ri
ght_High_CHN38(40M)_DFT-s-OFDM_Edge_1RB_Right
_High_CHN38(40M)_DFT-s-OFDM_BPSK_Outer_Full_Hi
gh_CHN38(40M)_DFT-s-OFDM_QPSK_Outer_Full_H
igh_CHN41(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Le
ft_Low_CHN41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_L
eft_Low_CH



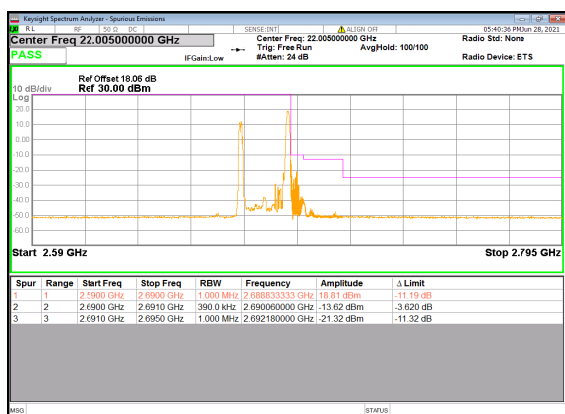
N41(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



N41(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



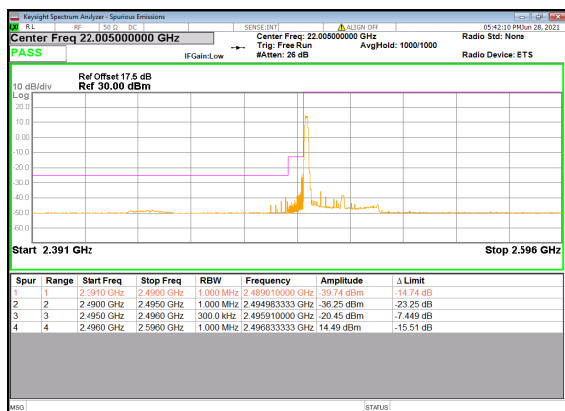
N41(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



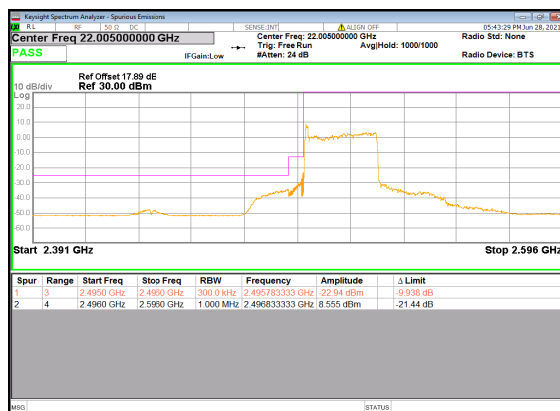
N41(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

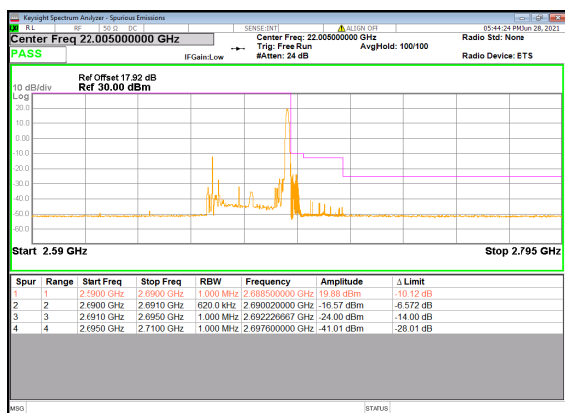
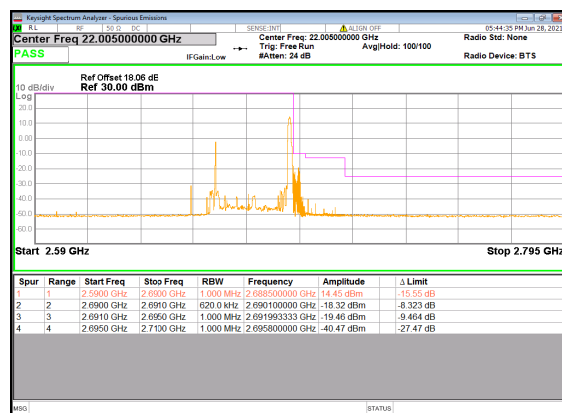
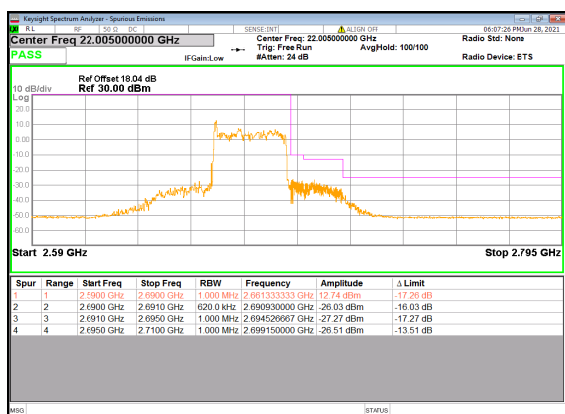
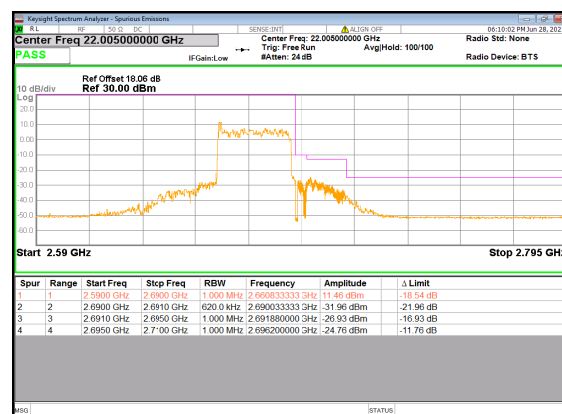
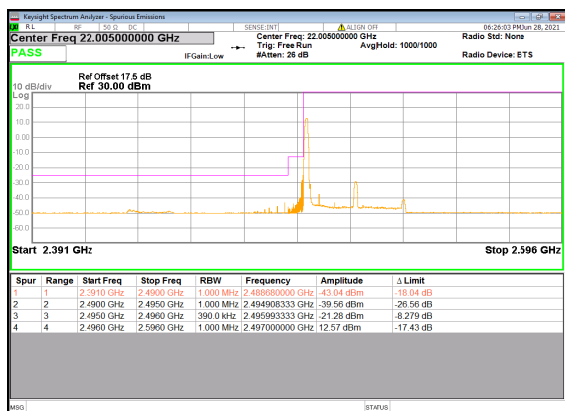
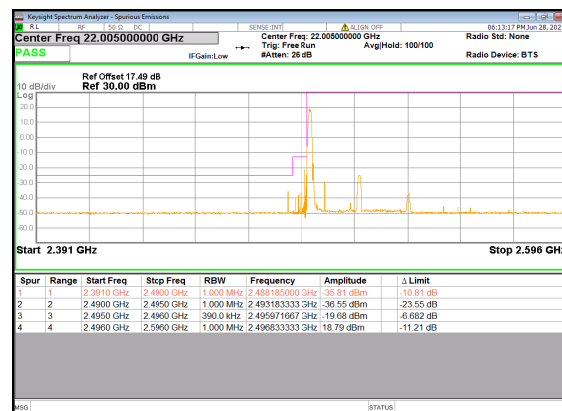


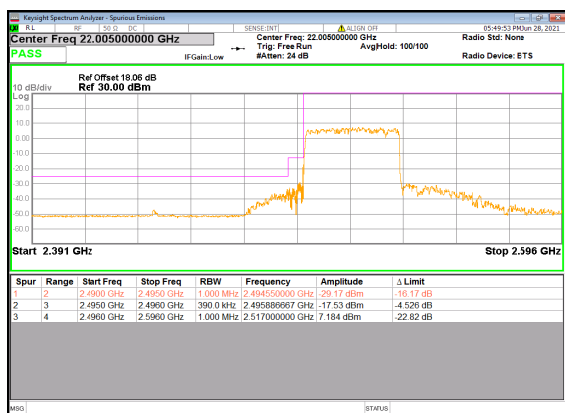
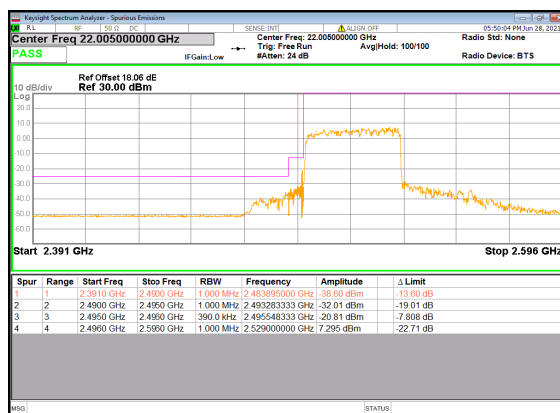
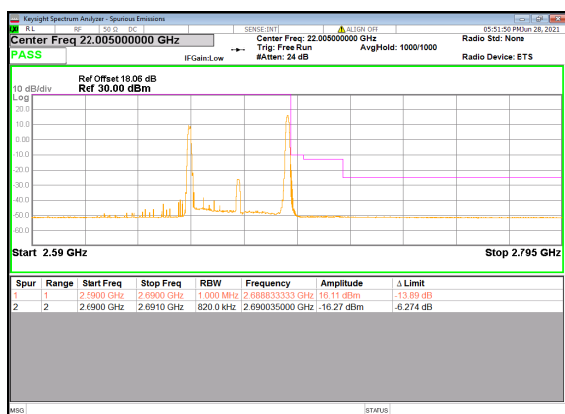
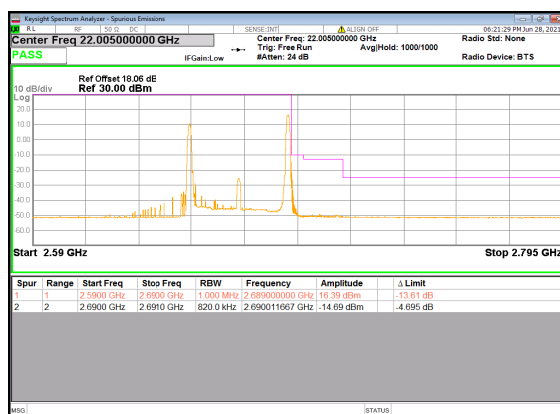
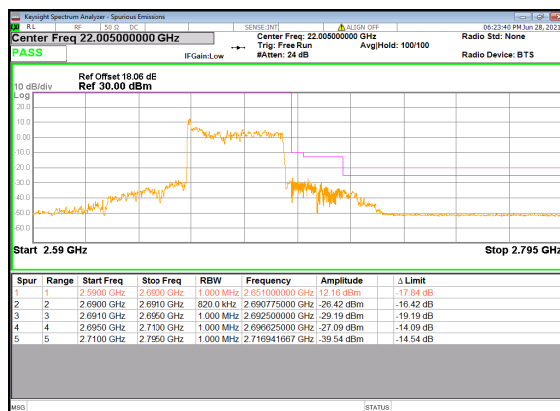
N41(30M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

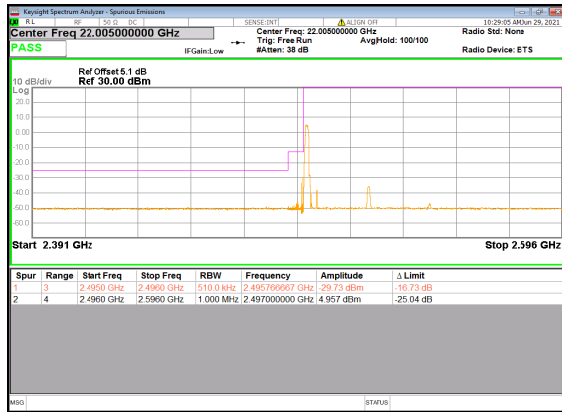
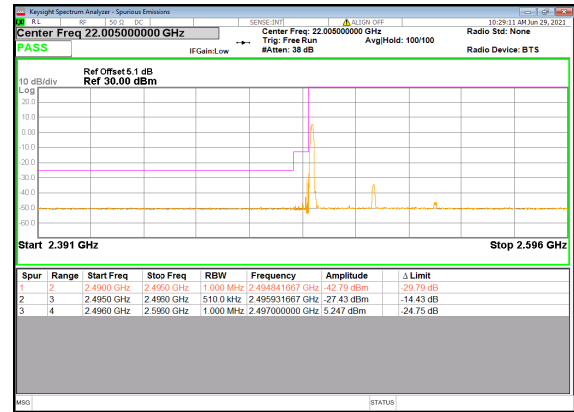
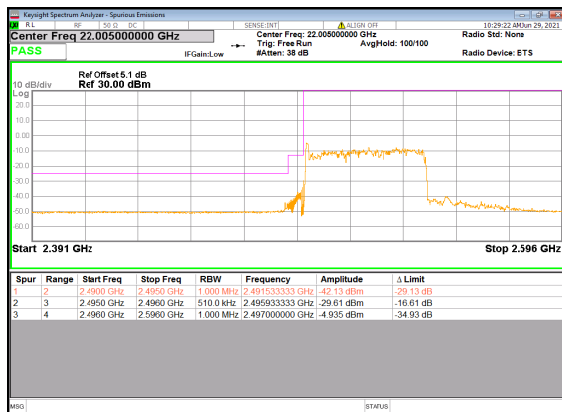
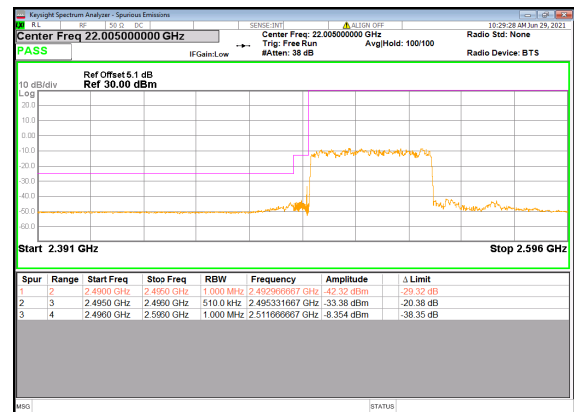
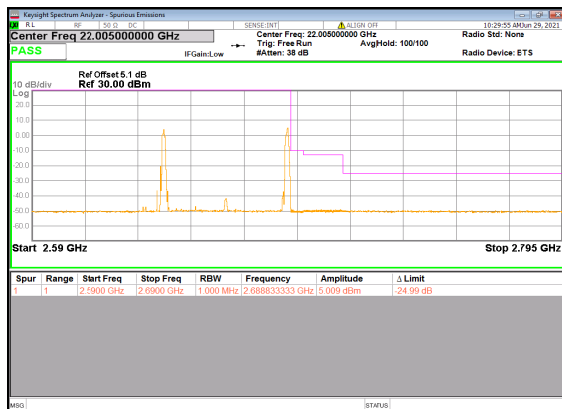
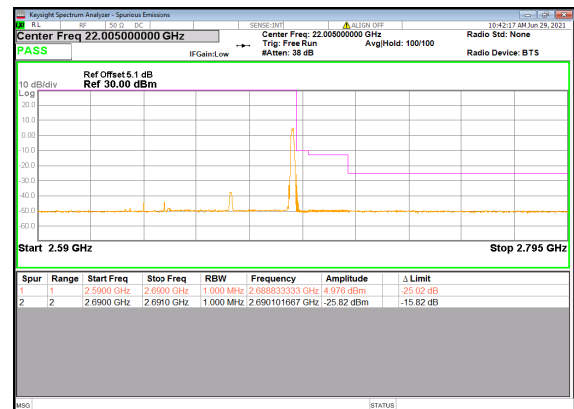


N41(30M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



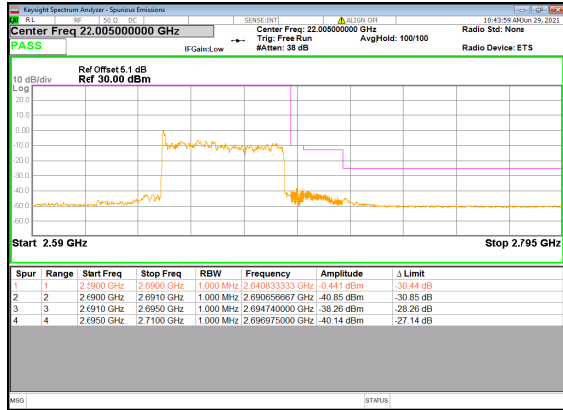
N41(30M)_DFT-s-OFDM_BPSK_Edge_1RB_Ri
ght_High_CHN41(30M)_DFT-s-OFDM_QPSK_Edge_1RB_
Right_High_CHN41(30M)_DFT-s-OFDM_BPSK_Outer_Full_Hi
gh_CHN41(30M)_DFT-s-OFDM_QPSK_Outer_Full_H
igh_CHN41(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Le
ft_Low_CHN41(40M)_DFT-s-OFDM_QPSK_Edge_1RB_L
eft_Low_CH

N41(40M)_DFT-s-OFDM_BPSK_Outer_Full_L
w_CHN41(40M)_DFT-s-OFDM_QPSK_Outer_Full_L
ow_CHN41(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Ri
ght_High_CHN41(40M)_DFT-s-OFDM_QPSK_Edge_1RB_
Right_High_CHN41(40M)_DFT-s-OFDM_BPSK_Outer_Full_Hi
gh_CHN41(40M)_DFT-s-OFDM_QPSK_Outer_Full_H
igh_CH

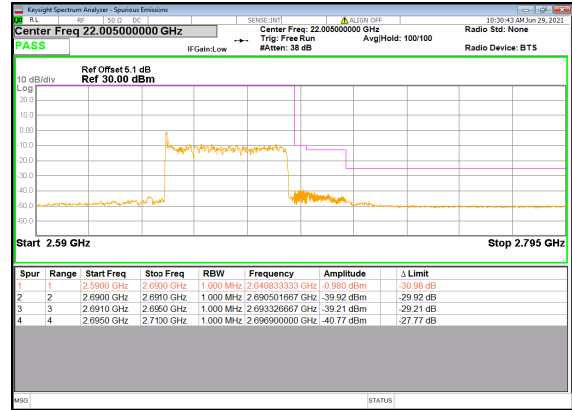
N41(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Le
ft_Low_CHN41(50M)_DFT-s-OFDM_QPSK_Edge_1RB_L
eft_Low_CHN41(50M)_DFT-s-OFDM_BPSK_Outer_Full_Lo
w_CHN41(50M)_DFT-s-OFDM_QPSK_Outer_Full_L
ow_CHN41(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Ri
ght_High_CHN41(50M)_DFT-s-OFDM_BPSK_Edge_1RB_R
ight_High_CH



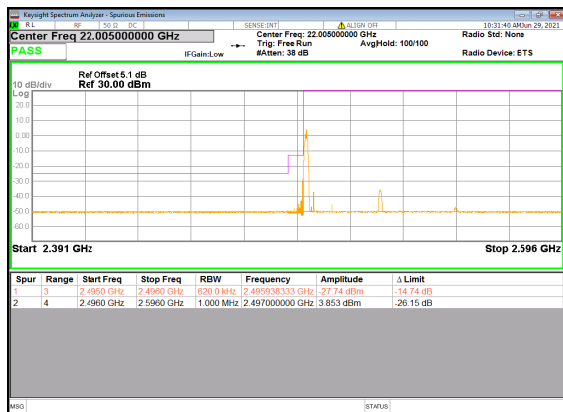
N41(50M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



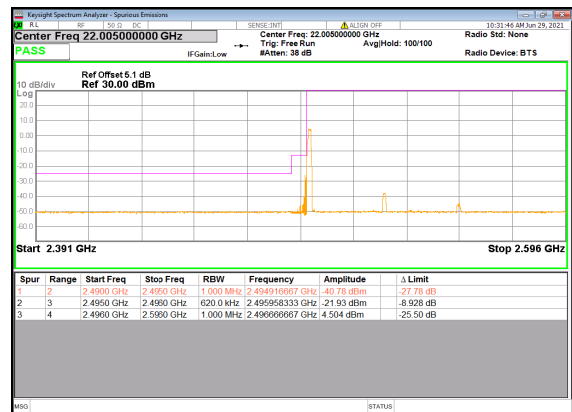
N41(50M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



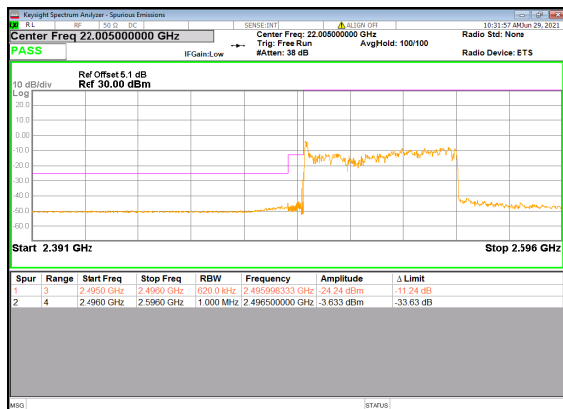
N41(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



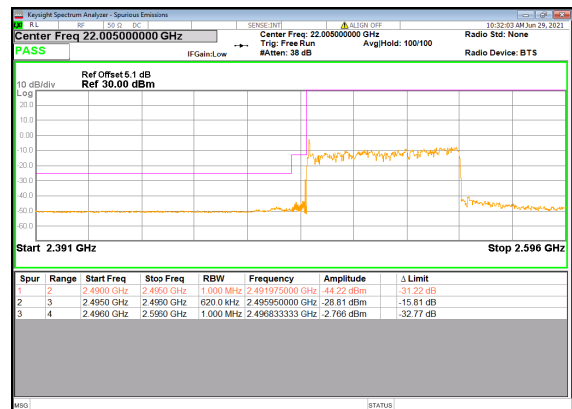
N41(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

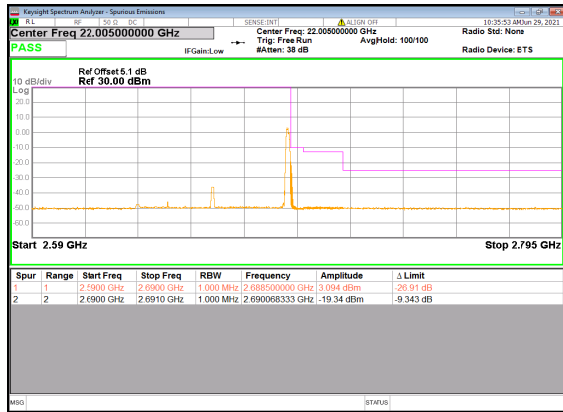
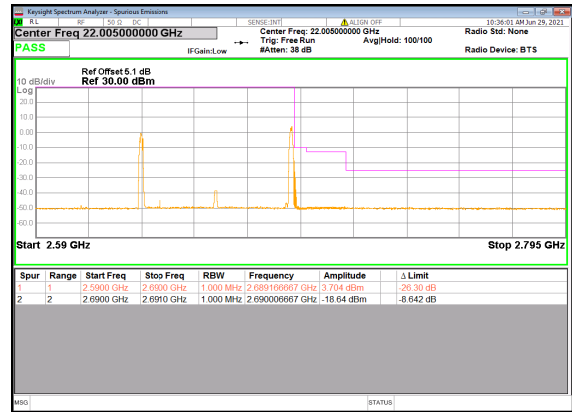
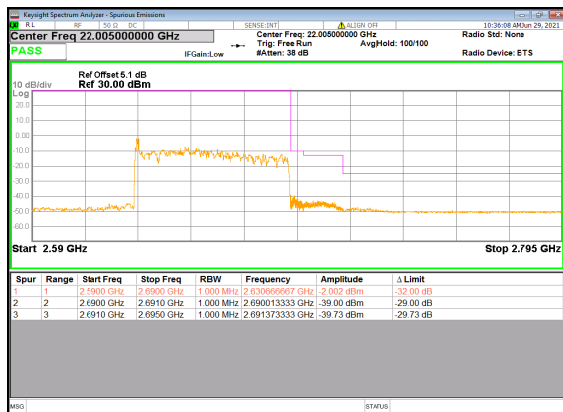
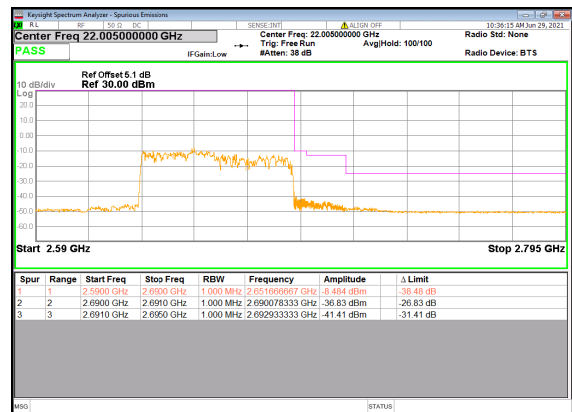
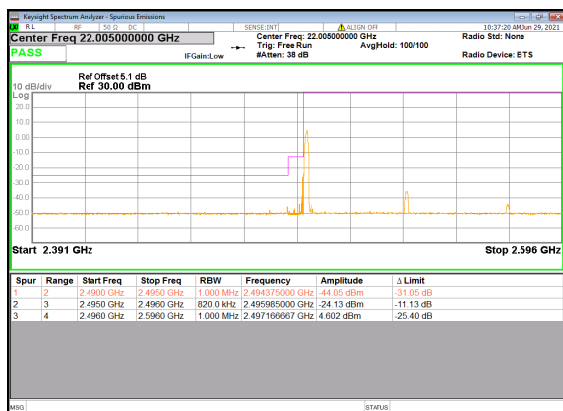
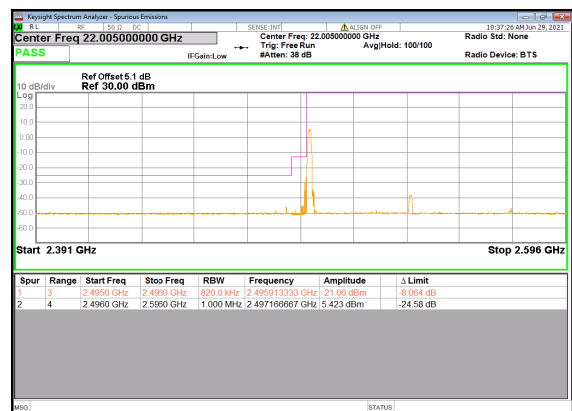


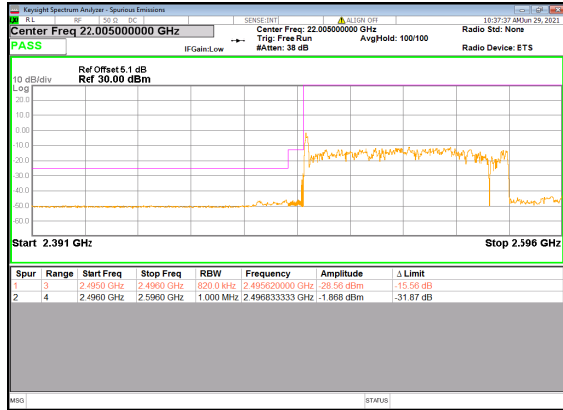
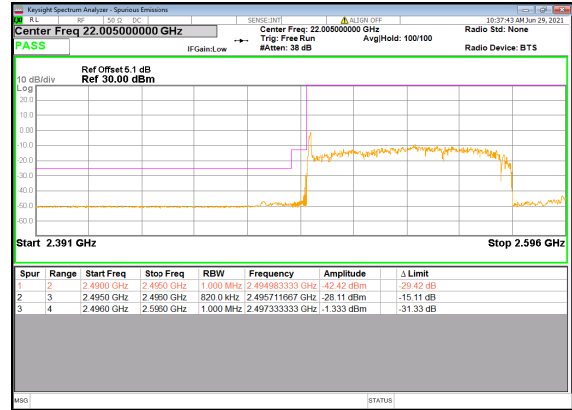
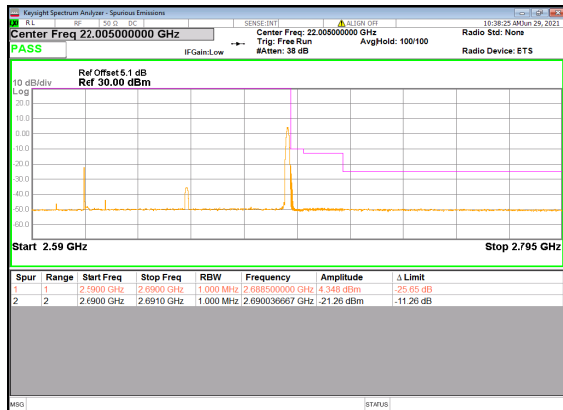
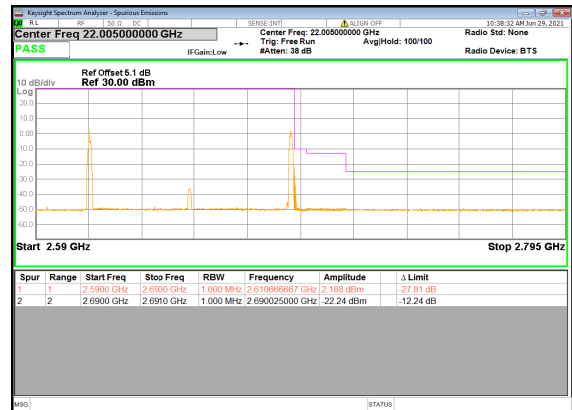
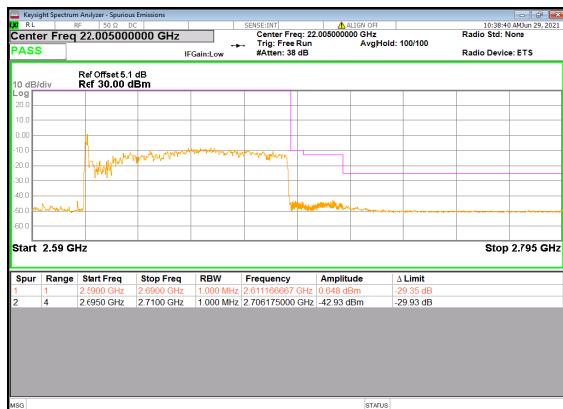
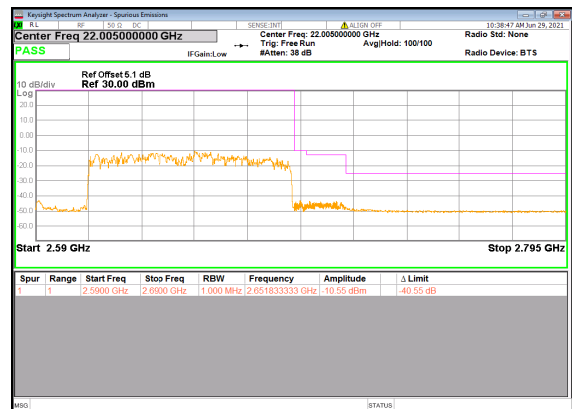
N41(60M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

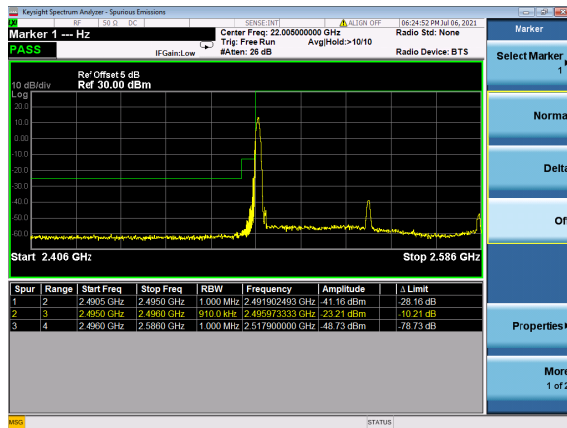
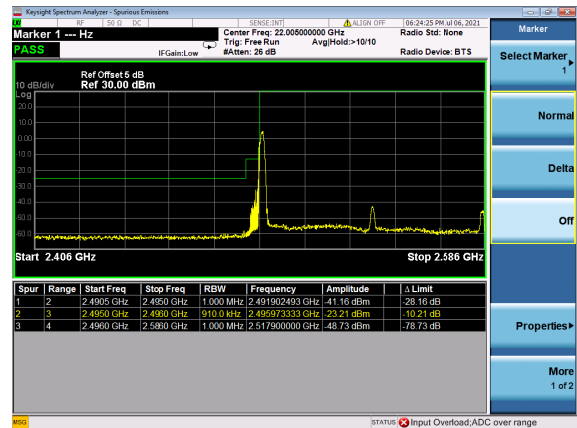
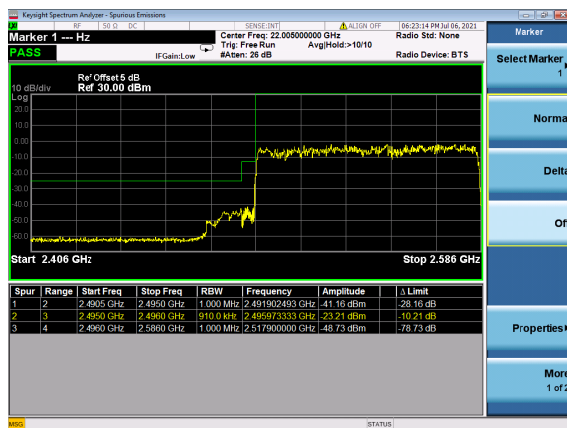
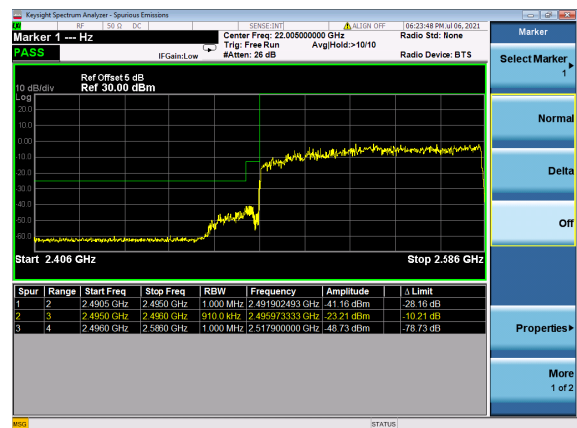
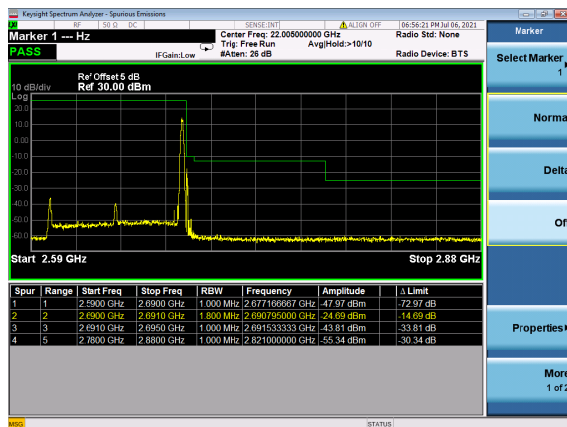
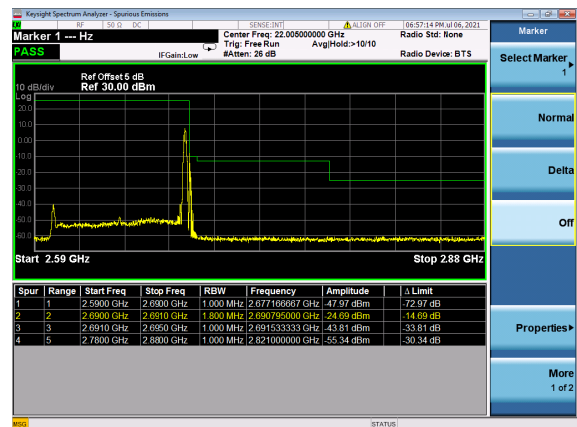


N41(60M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



N41(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Ri
ght_High_CHN41(60M)_DFT-s-OFDM_QPSK_Edge_1RB_
Right_High_CHN41(60M)_DFT-s-OFDM_BPSK_Outer_Full_Hi
gh_CHN41(60M)_DFT-s-OFDM_QPSK_Outer_Full_H
igh_CHN41(80M)_DFT-s-OFDM_BPSK_Edge_1RB_Le
ft_Low_CHN41(80M)_DFT-s-OFDM_QPSK_Edge_1RB_L
eft_Low_CH

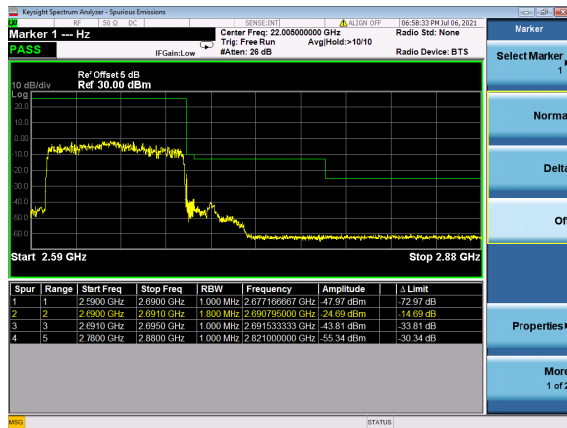
N41(80M)_DFT-s-OFDM_BPSK_Outer_Full_L
w_CHN41(80M)_DFT-s-OFDM_QPSK_Outer_Full_L
ow_CHN41(80M)_DFT-s-OFDM_BPSK_Edge_1RB_Ri
ght_High_CHN41(80M)_DFT-s-OFDM_QPSK_Edge_1RB_
Right_High_CHN41(80M)_DFT-s-OFDM_BPSK_Outer_Full_Hi
gh_CHN41(80M)_DFT-s-OFDM_QPSK_Outer_Full_H
igh_CH

N41(90M)_DFT-s-OFDM_BPSK_Edge_1RB_Le
ft_512004_CHN41(90M)_DFT-s-OFDM_QPSK_Edge_1RB_L
eft_512004_CHN41(90M)_DFT-s-OFDM_BPSK_Outer_Full_51
2004_CHN41(90M)_DFT-s-OFDM_QPSK_Outer_Full_5
12004_CHN41(90M)_DFT-s-OFDM_BPSK_Edge_1RB_Ri
ght_525996_CHN41(90M)_DFT-s-OFDM_QPSK_Edge_1RB_
Right_525996_CH



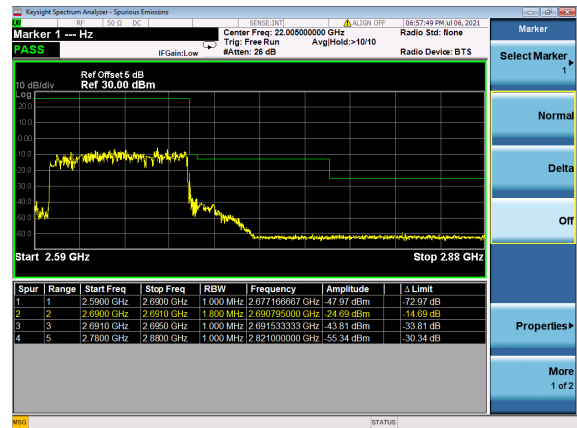
N41(90M)_DFT-s-OFDM_BPSK_Outer_Full_52

5996_CH



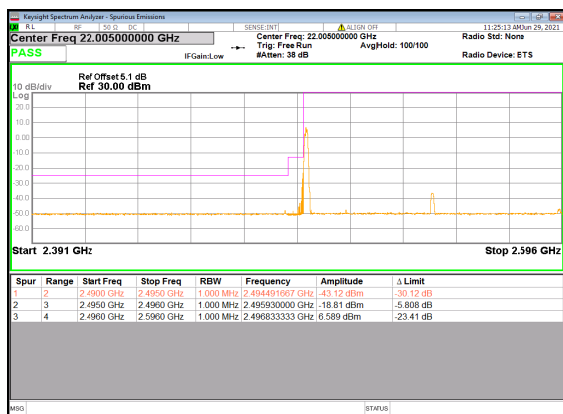
N41(90M)_DFT-s-OFDM_QPSK_Outer_Full_5

25996_CH



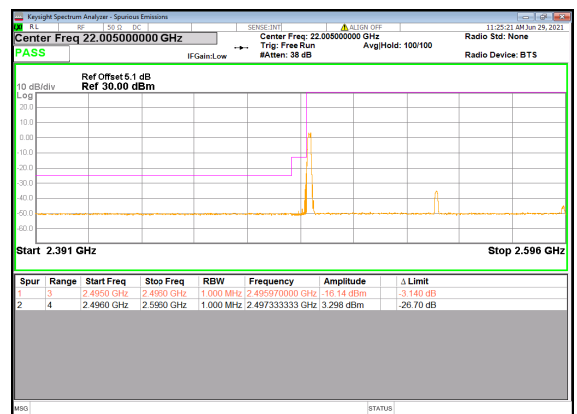
N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_L

eft_Low_CH



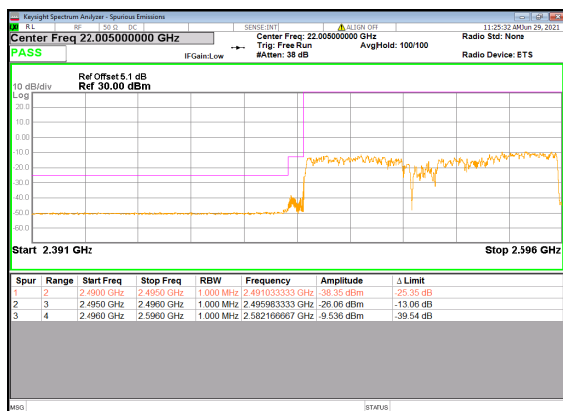
N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_L

Left_Low_CH



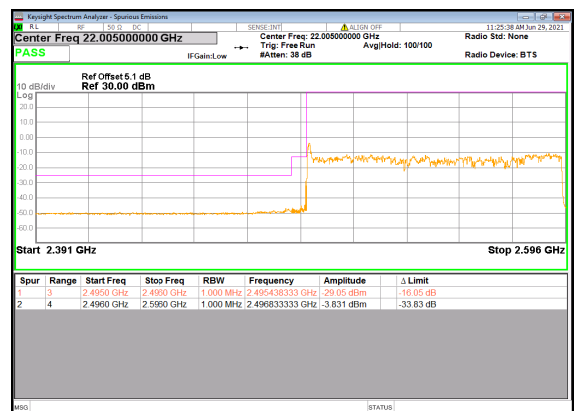
N41(100M)_DFT-s-OFDM_BPSK_Outer_Full_L

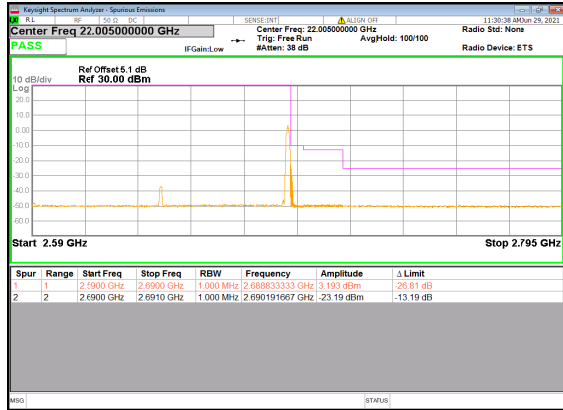
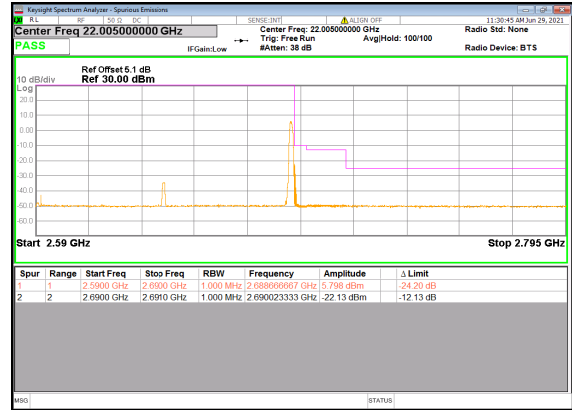
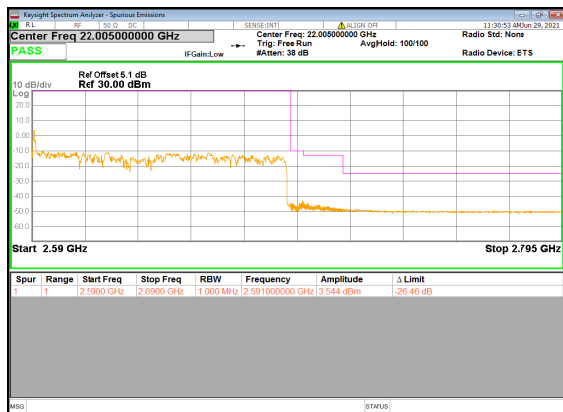
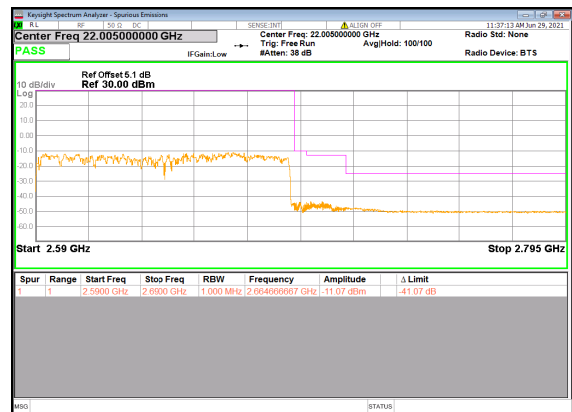
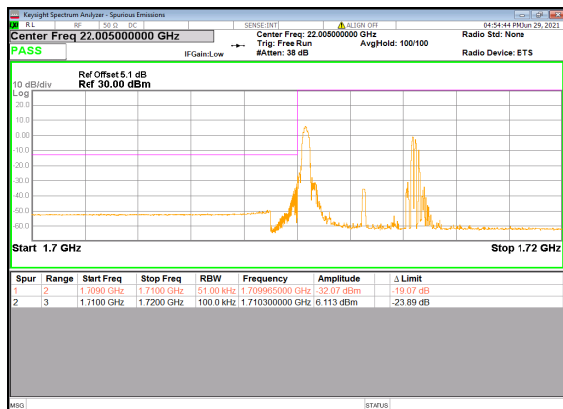
ow_CH



N41(100M)_DFT-s-OFDM_QPSK_Outer_Full_L

Low_CH



N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_
Right_High_CHN41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_
Right_High_CHN41(100M)_DFT-s-OFDM_BPSK_Outer_Full_H
igh_CHN41(100M)_DFT-s-OFDM_QPSK_Outer_Full
High_CHN66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left
_Low_CHN66(5M)_DFT-s-OFDM_QPSK_Edge
_1RB_Left_Low_CH