

5G NR n77_CH649668_90M_1RB_pi/2 BPSK_Ratio



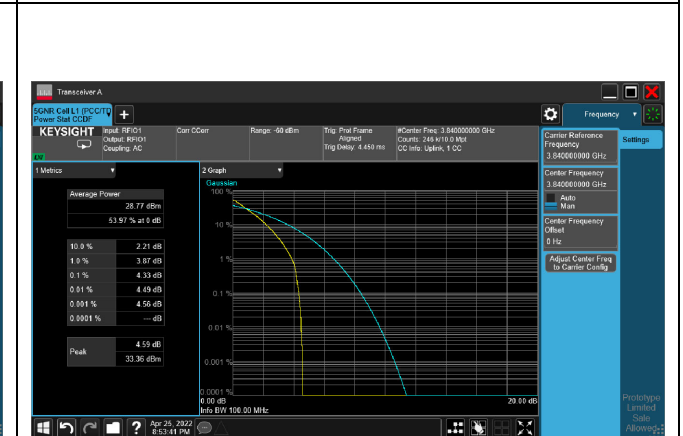
5G NR n77_CH649668_90M_1RB_QPSK_Ratio



5G NR n77_CH649668_90M_1RB_16-QAM_Ratio



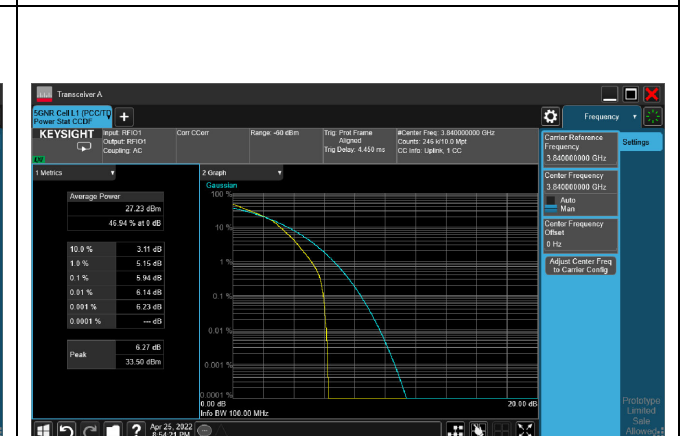
5G NR n77_CH656000_90M_1RB_pi/2 BPSK_Ratio



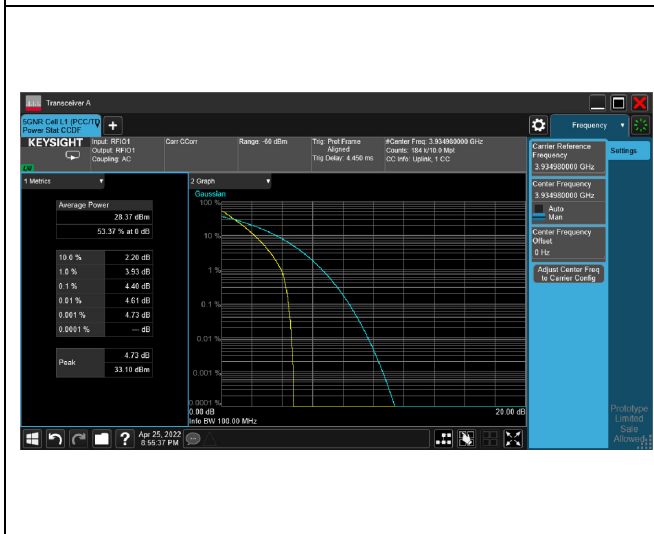
5G NR n77_CH656000_90M_1RB_QPSK_Ratio



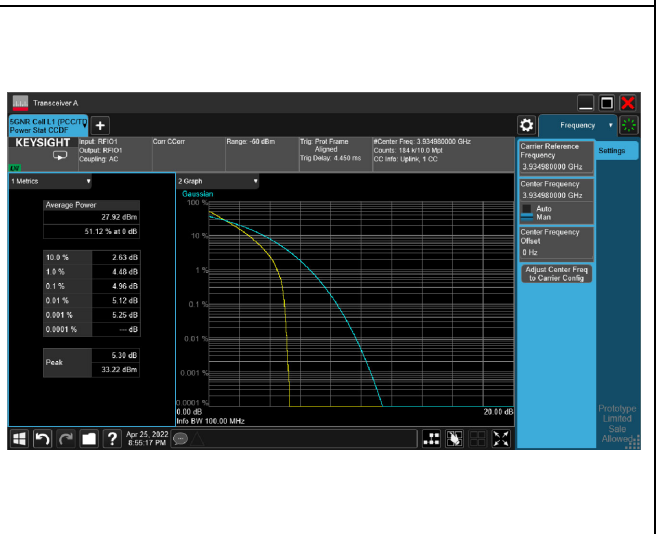
5G NR n77_CH656000_90M_1RB_16-QAM_Ratio



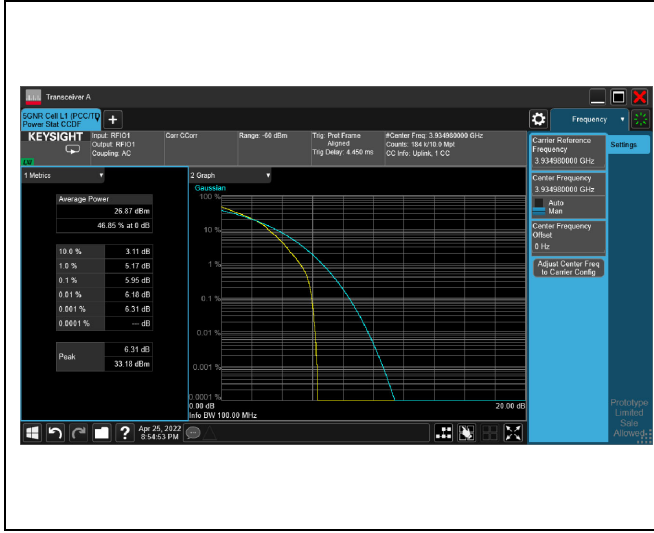
5G NR n77_CH662332_90M_1RB_pi/2 BPSK_Ratio



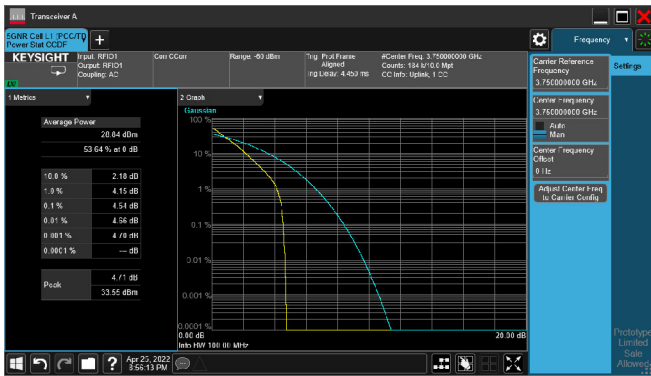
5G NR n77_CH662332_90M_1RB_QPSK_Ratio



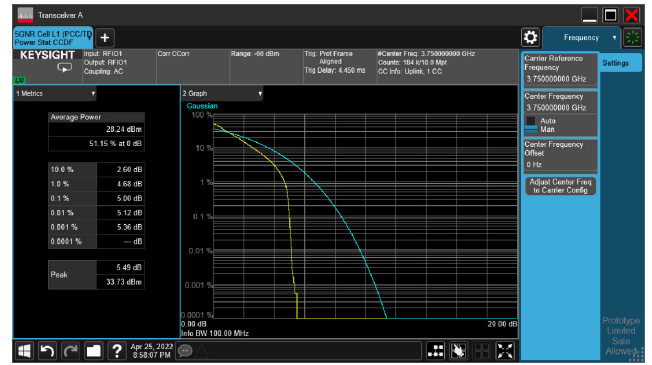
5G NR n77_CH662332_90M_1RB_16-QAM_Ratio



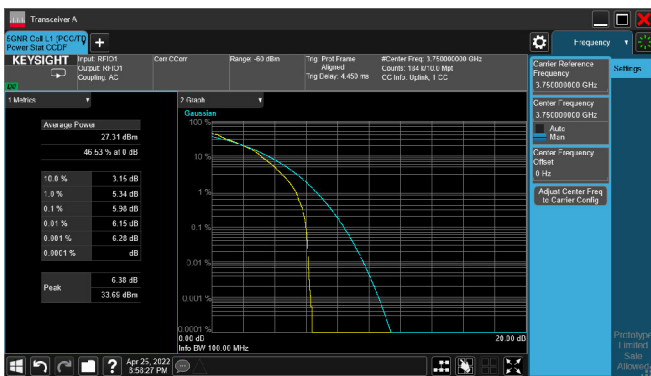
5G NR n77_CH650000_100M_1RB_pi/2 BPSK_Ratio



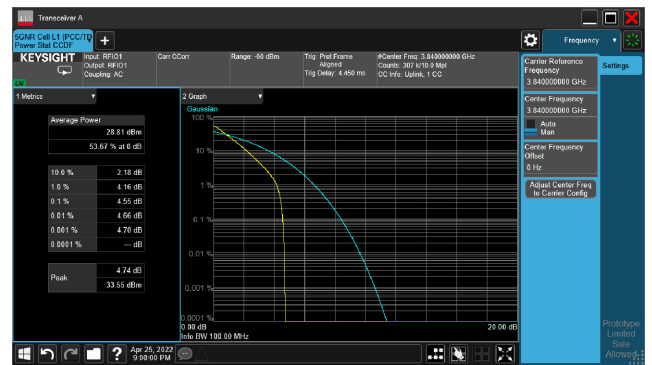
5G NR n77_CH650000_100M_1RB_QPSK_Ratio



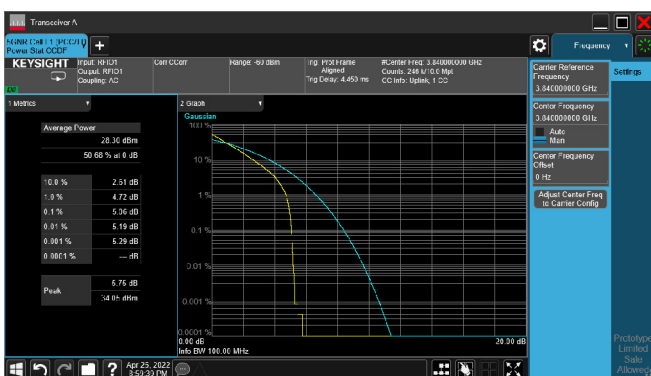
5G NR n77_CH650000_100M_1RB_16-QAM_Ratio



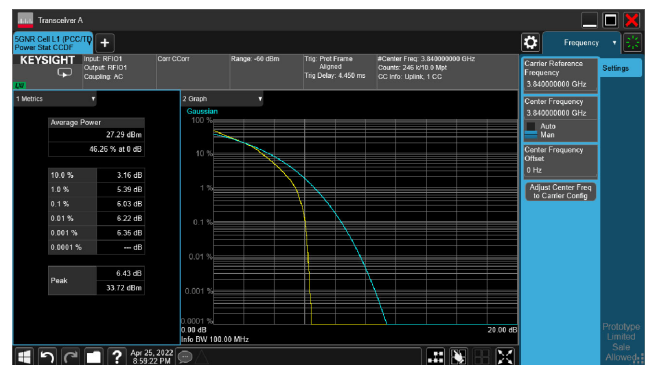
5G NR n77_CH656000_100M_1RB_pi/2 BPSK_Ratio



5G NR n77_CH656000_100M_1RB_QPSK_Ratio



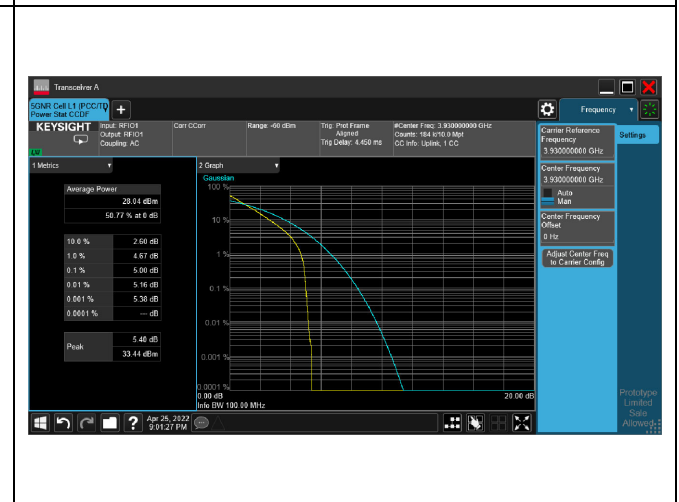
5G NR n77_CH656000_100M_1RB_16-QAM_Ratio



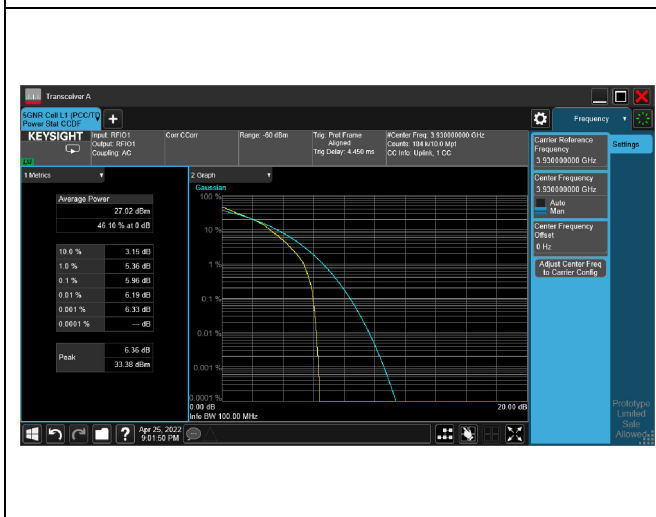
5G NR n77_CH662000_100M_1RB_pi/2 BPSK_Ratio



5G NR n77_CH662000_100M_1RB_QPSK_Ratio



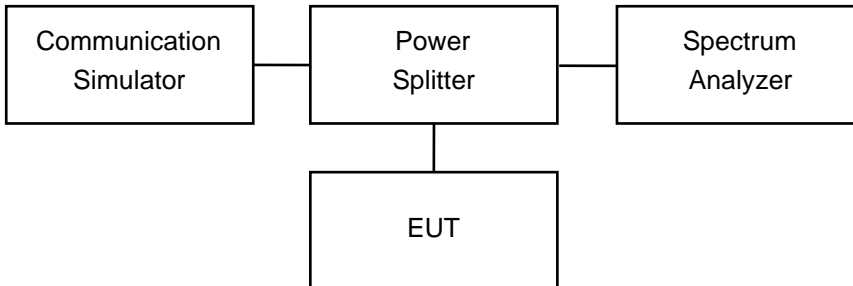
5G NR n77_CH662000_100M_1RB_16-QAM_Ratio



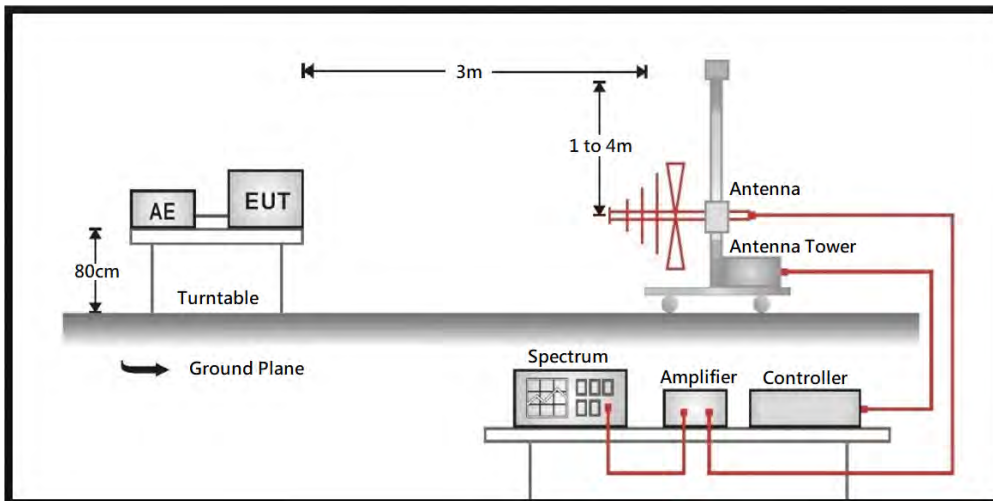
6. Spurious Emissions

6.1. Test Setup

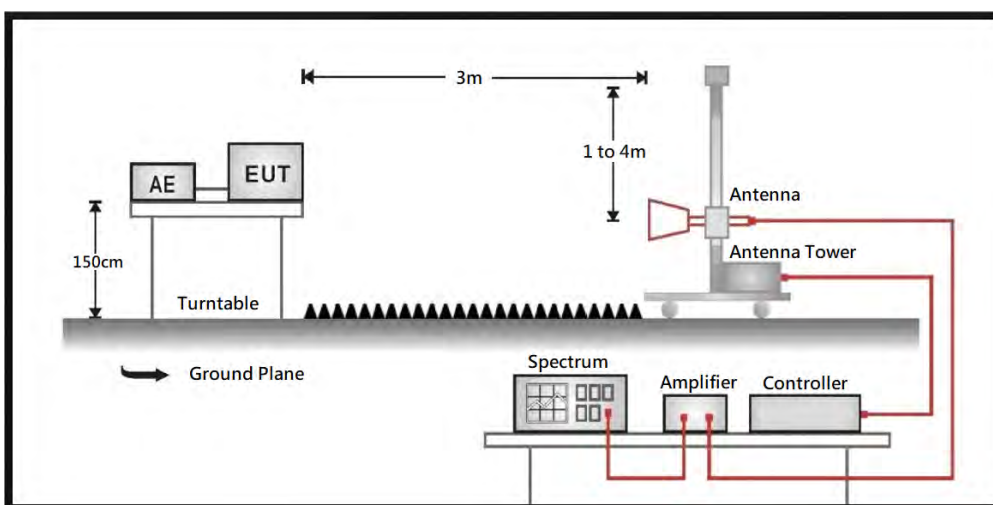
Conducted Spurious Measurement



Radiated Spurious Measurement: below 1GHz



Radiated Spurious Measurement: above 1GHz



6.2. Test Procedure

Conducted Spurious Measurement:

The EUT makes a call to the communication simulator. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency. The path loss was compensated to the results for each measurement. The resolution bandwidth of the spectrum analyzer was set at 1 MHz, sufficient scans were taken to show the out of band Emission if any up to 10th harmonic.

Radiated Spurious Measurement:

The EUT and its simulators are placed on a turn table which is 0.8 or 1.5 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations. The resolution bandwidth of the spectrum analyzer was set at 1 MHz, sufficient scans were taken to show the out of band Emission if any up to 10th harmonic. Taking the record of maximum spurious emission.

6.3. Test Methodology and Reference Procedures

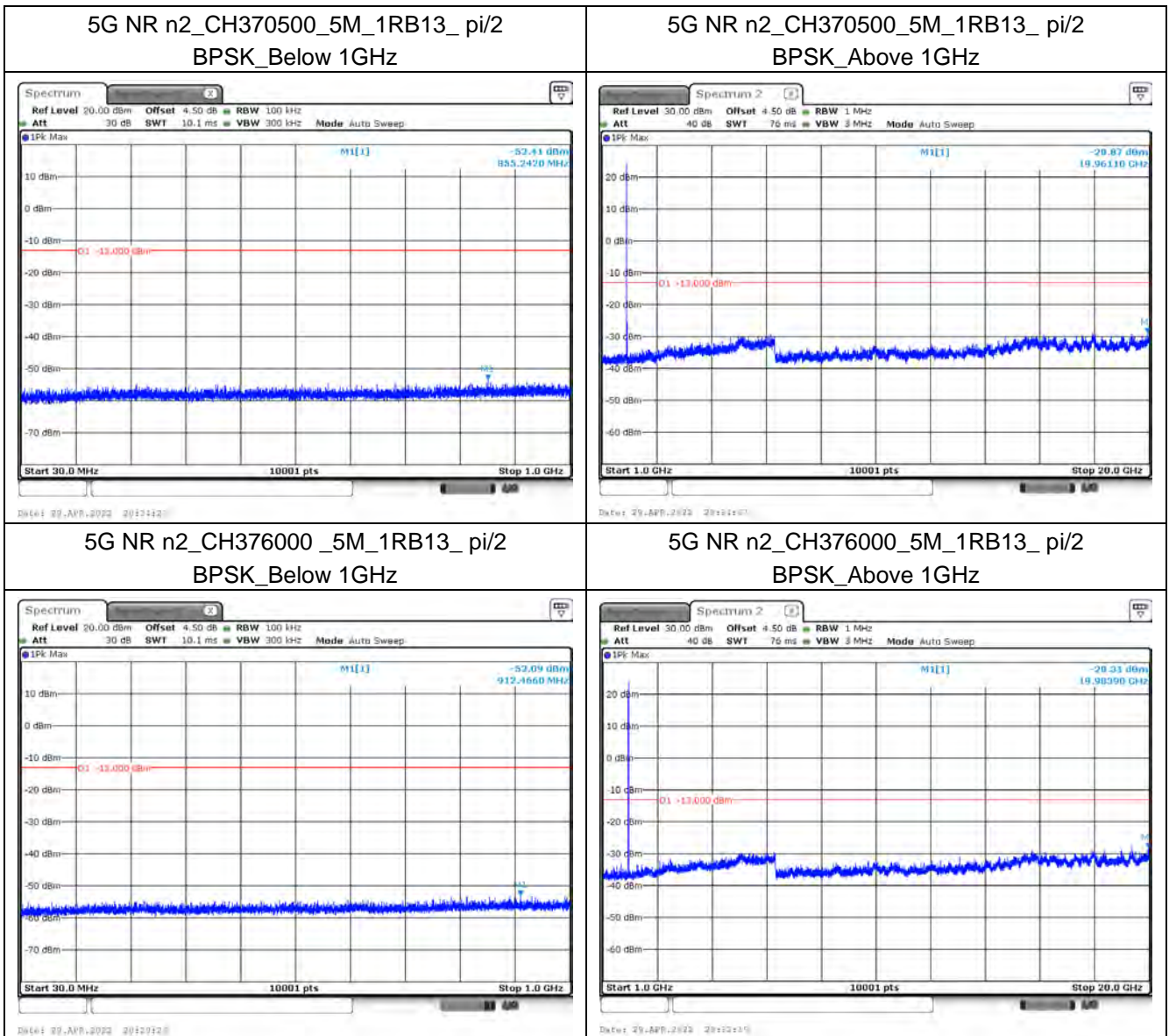
KDB 971168 D01 Power Meas License Digital Systems v03r01

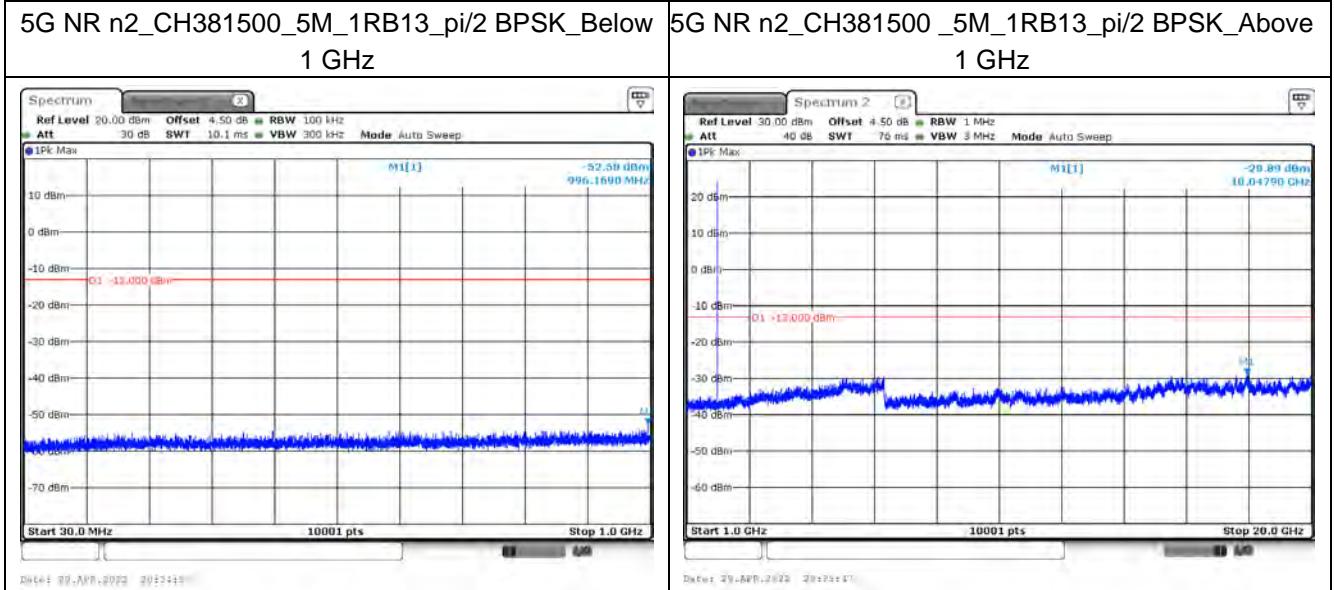
ANSI C63.26-2015

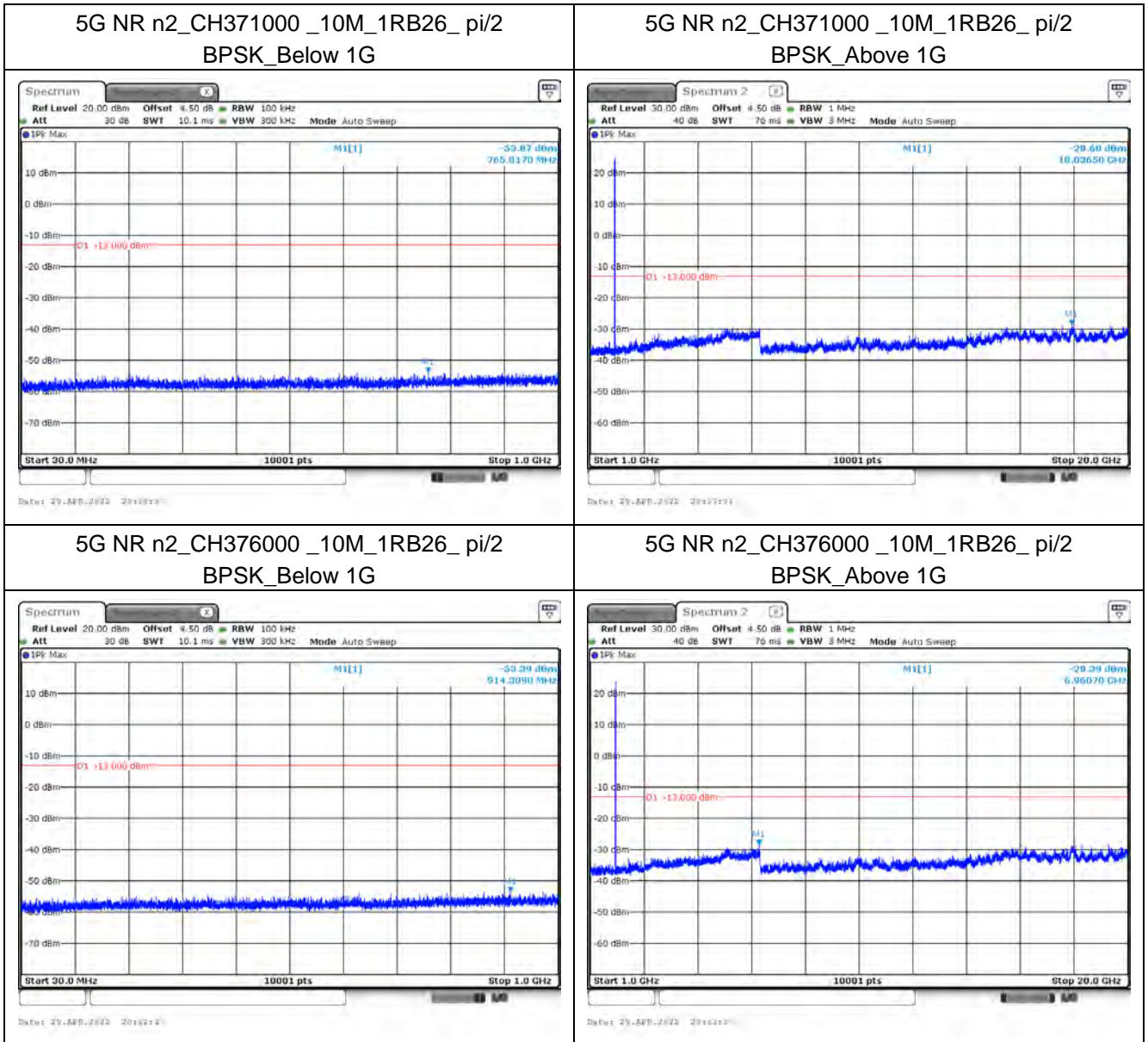
KDB 662911 D01 Multiple Transmitter Output v02r01

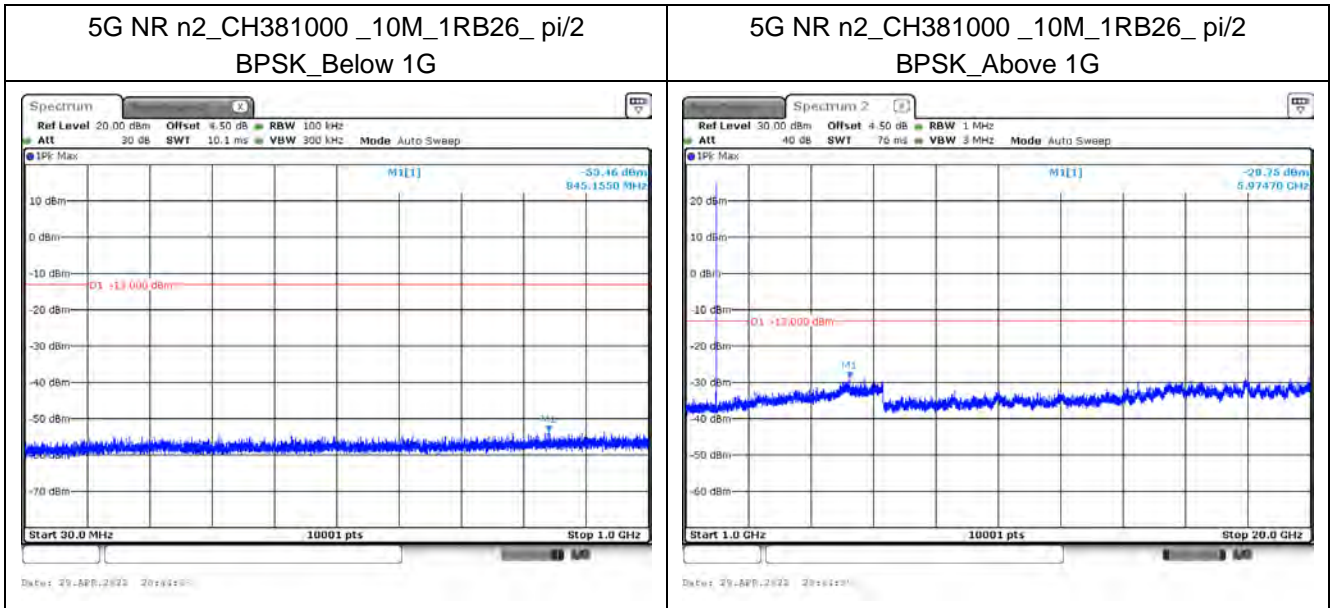
6.4. Test Result of Conducted Spurious Emission

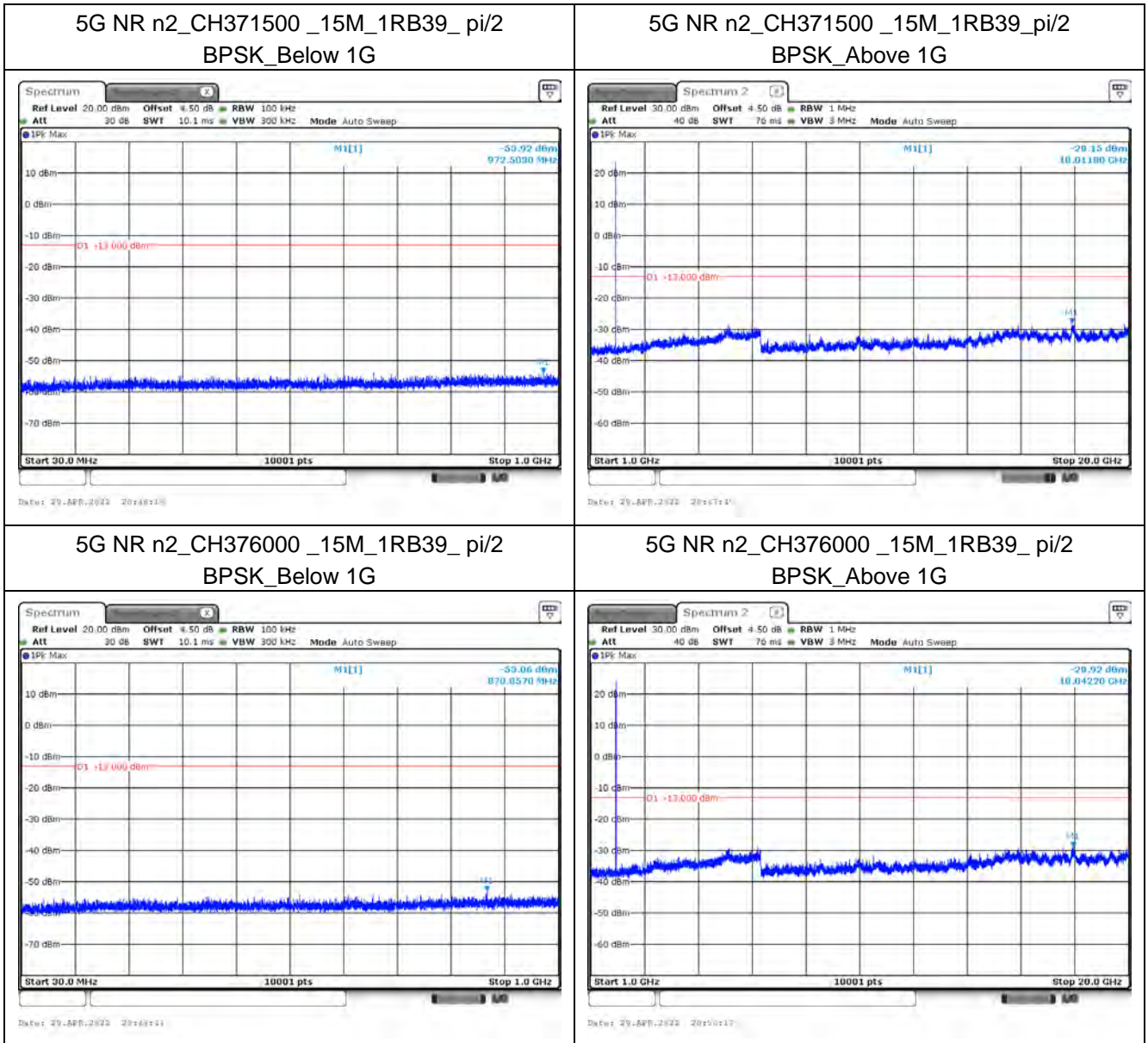
Mode 1: 5G NR n2

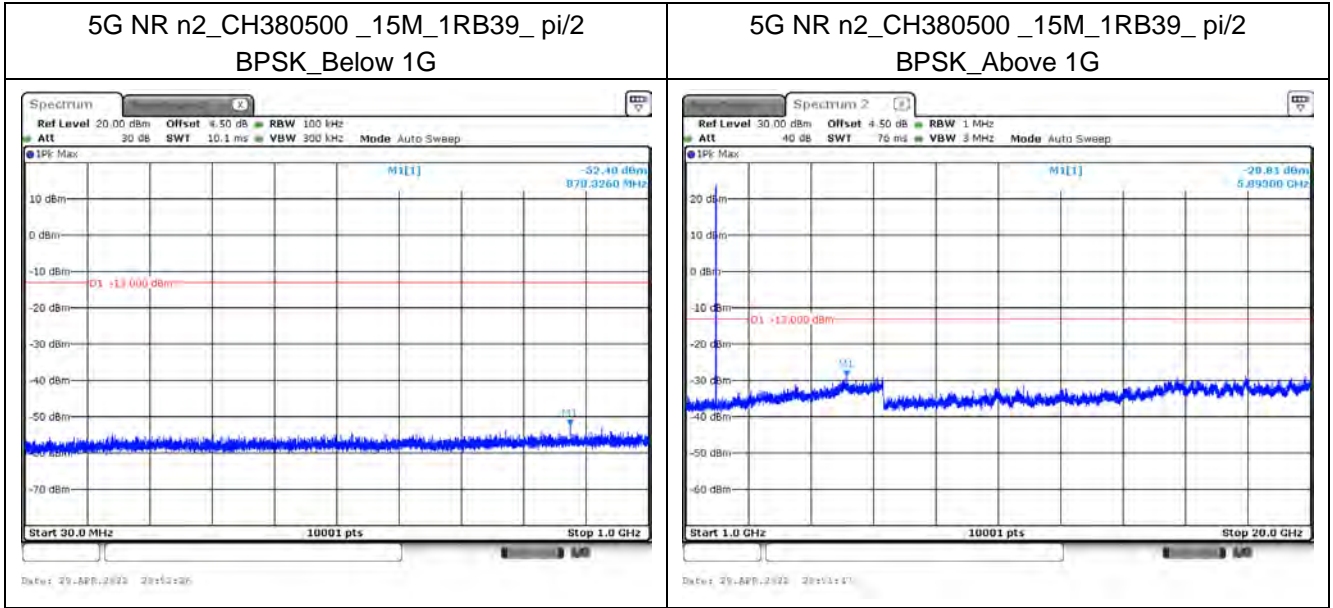


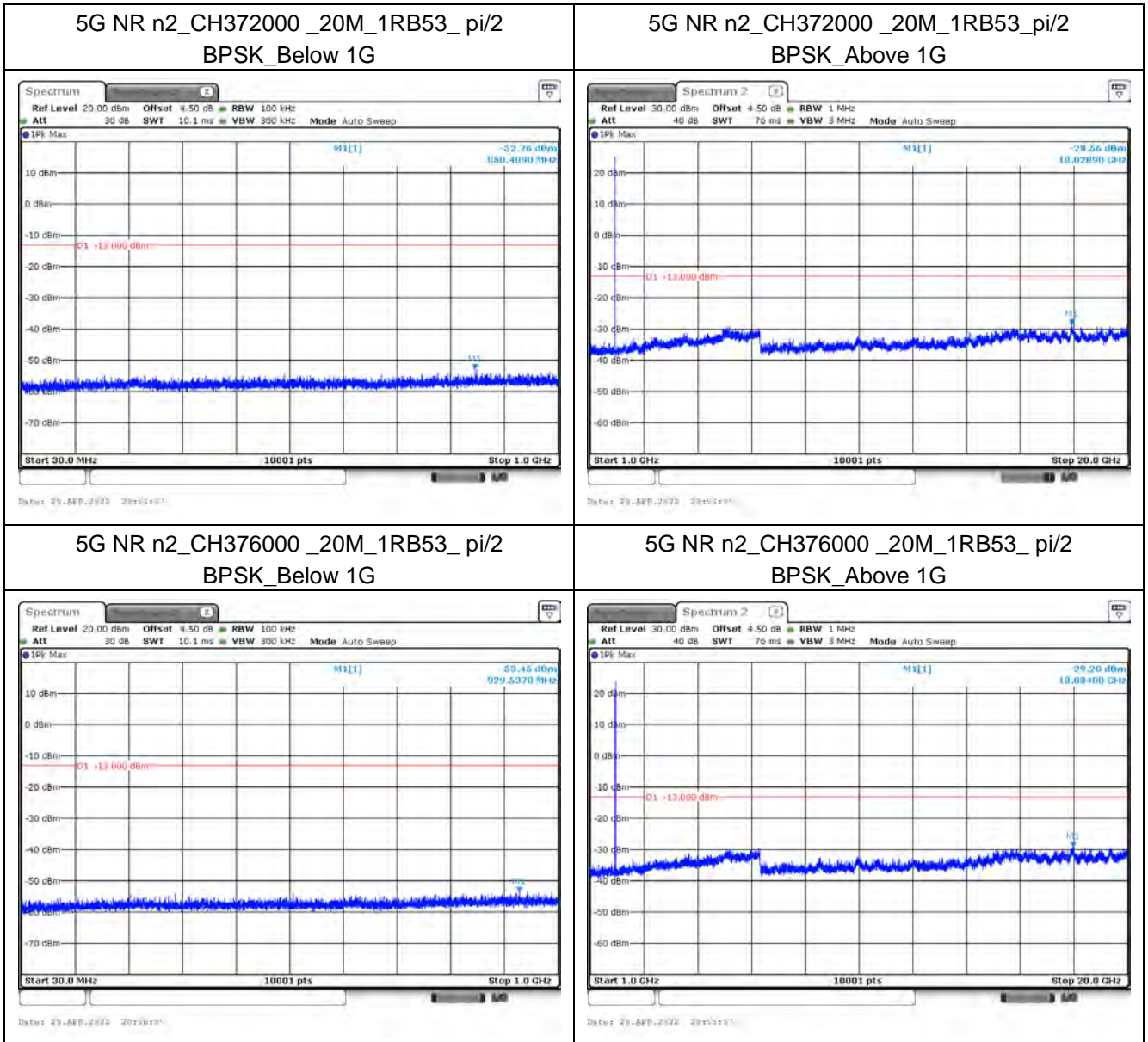


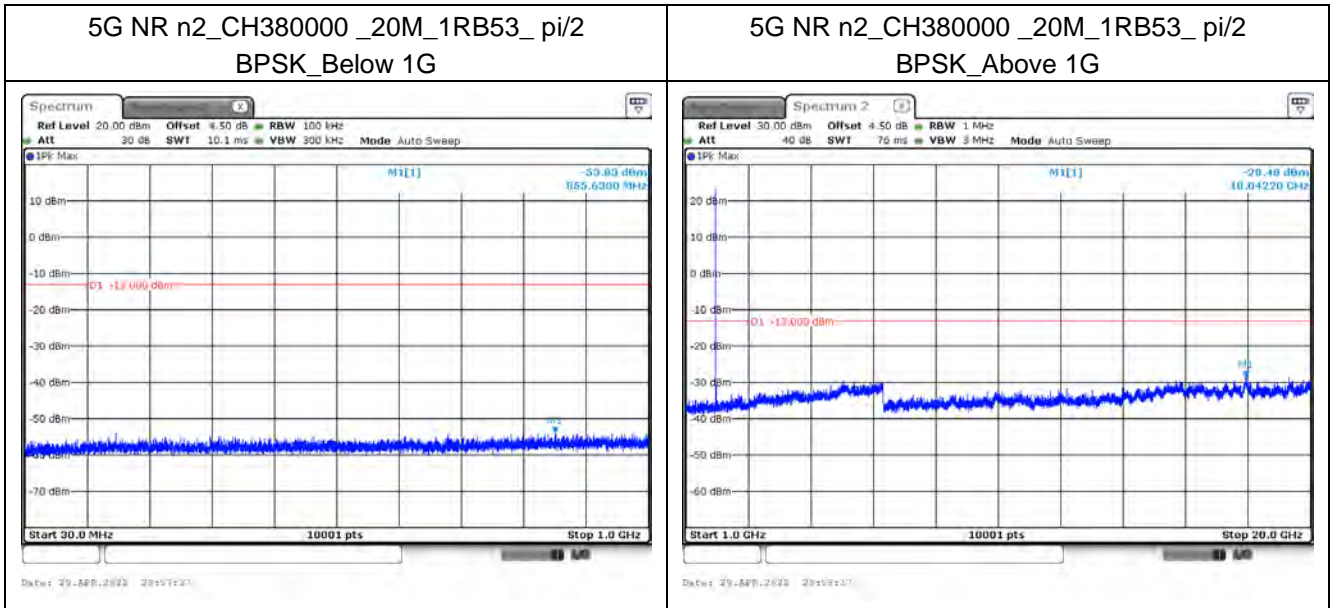




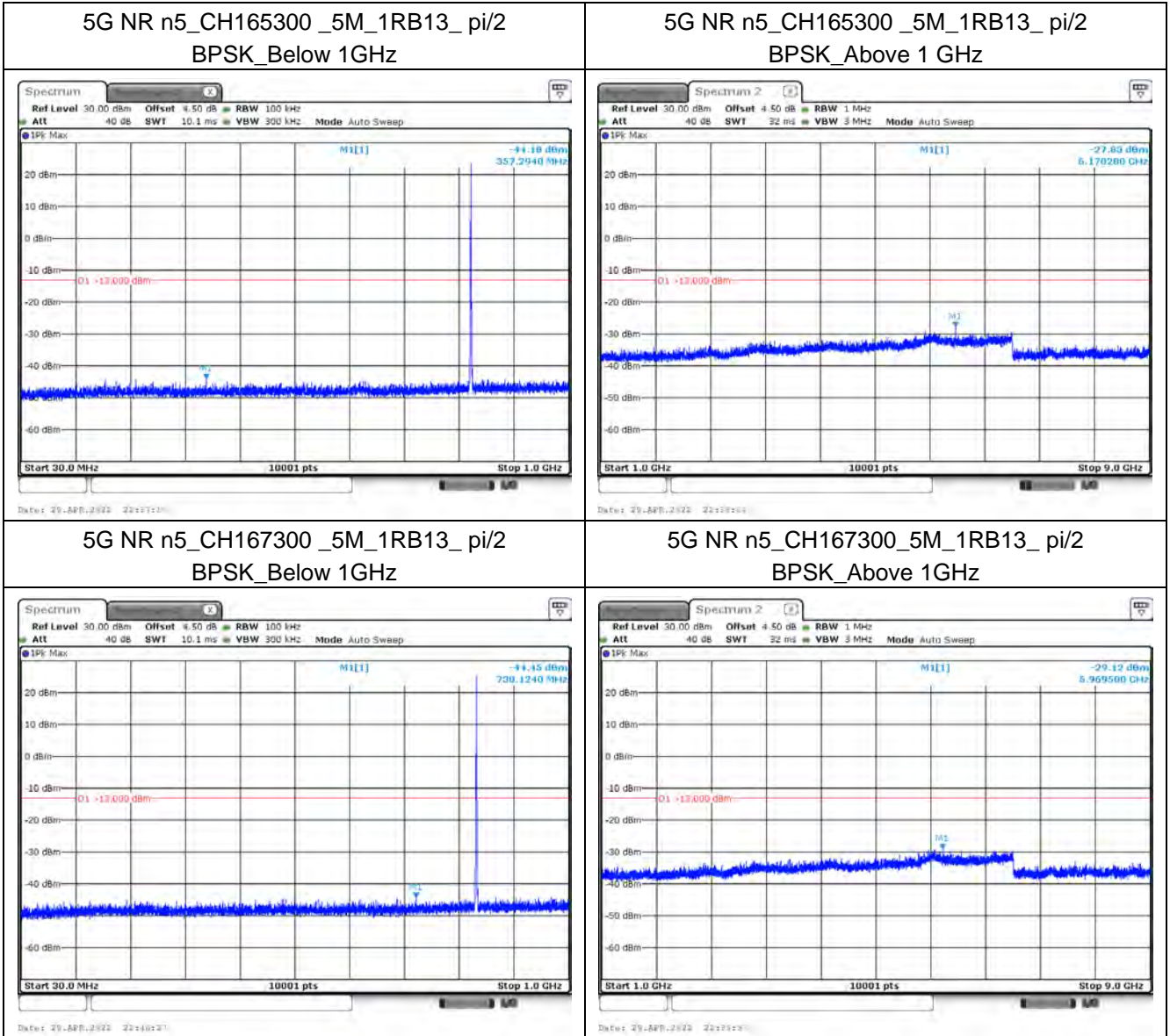


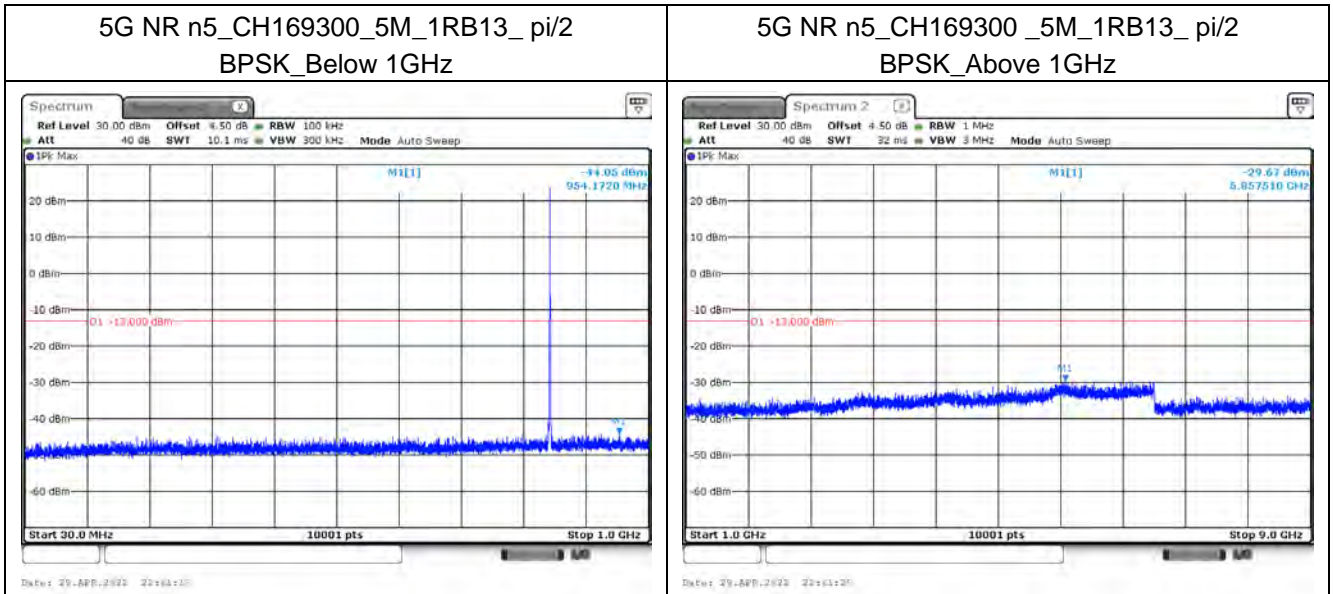


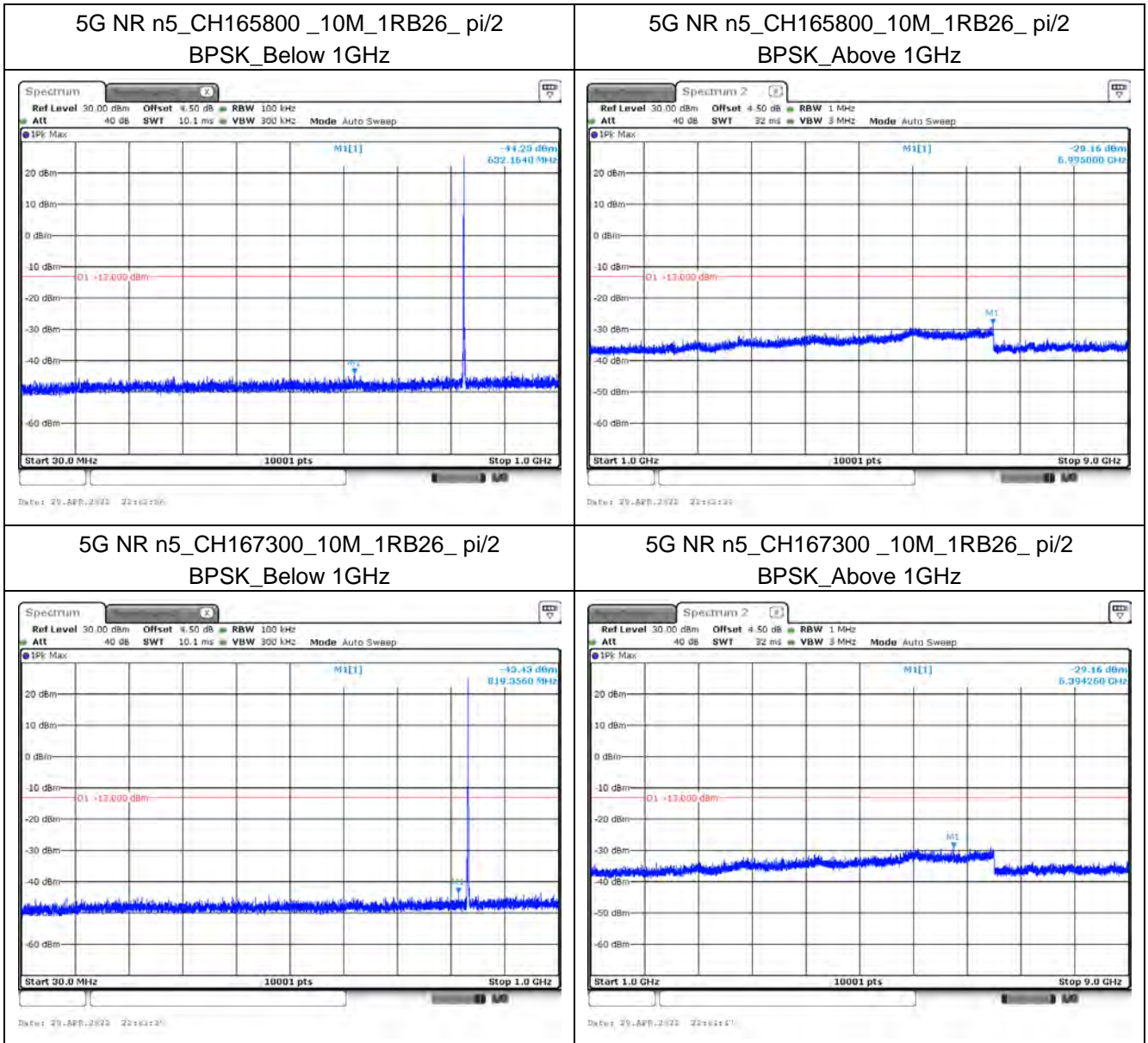




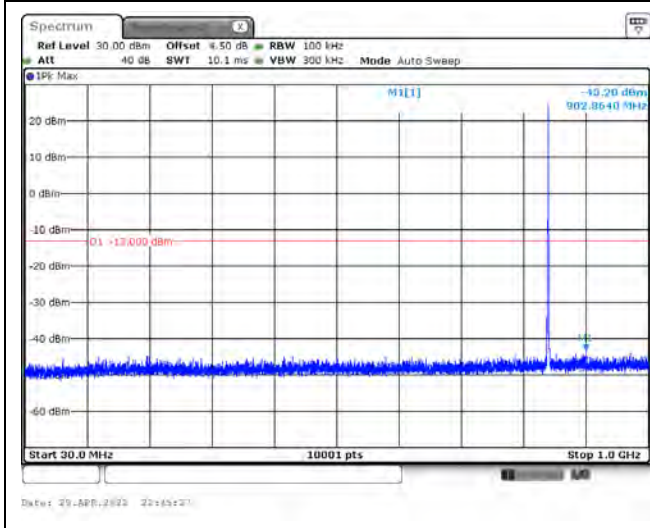
Mode 2: 5G NR n5



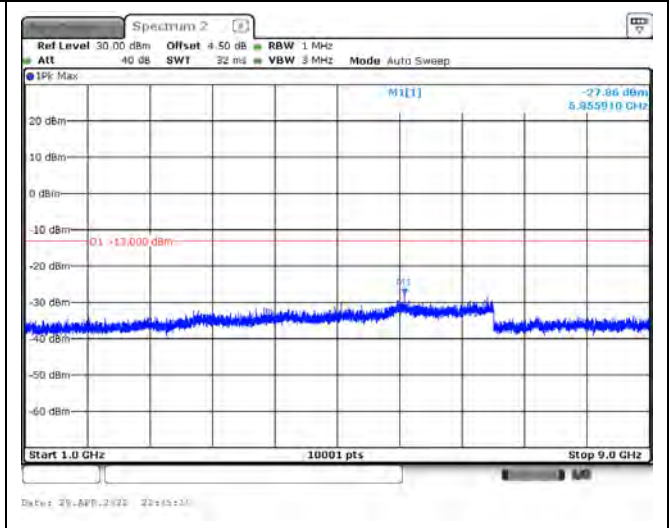


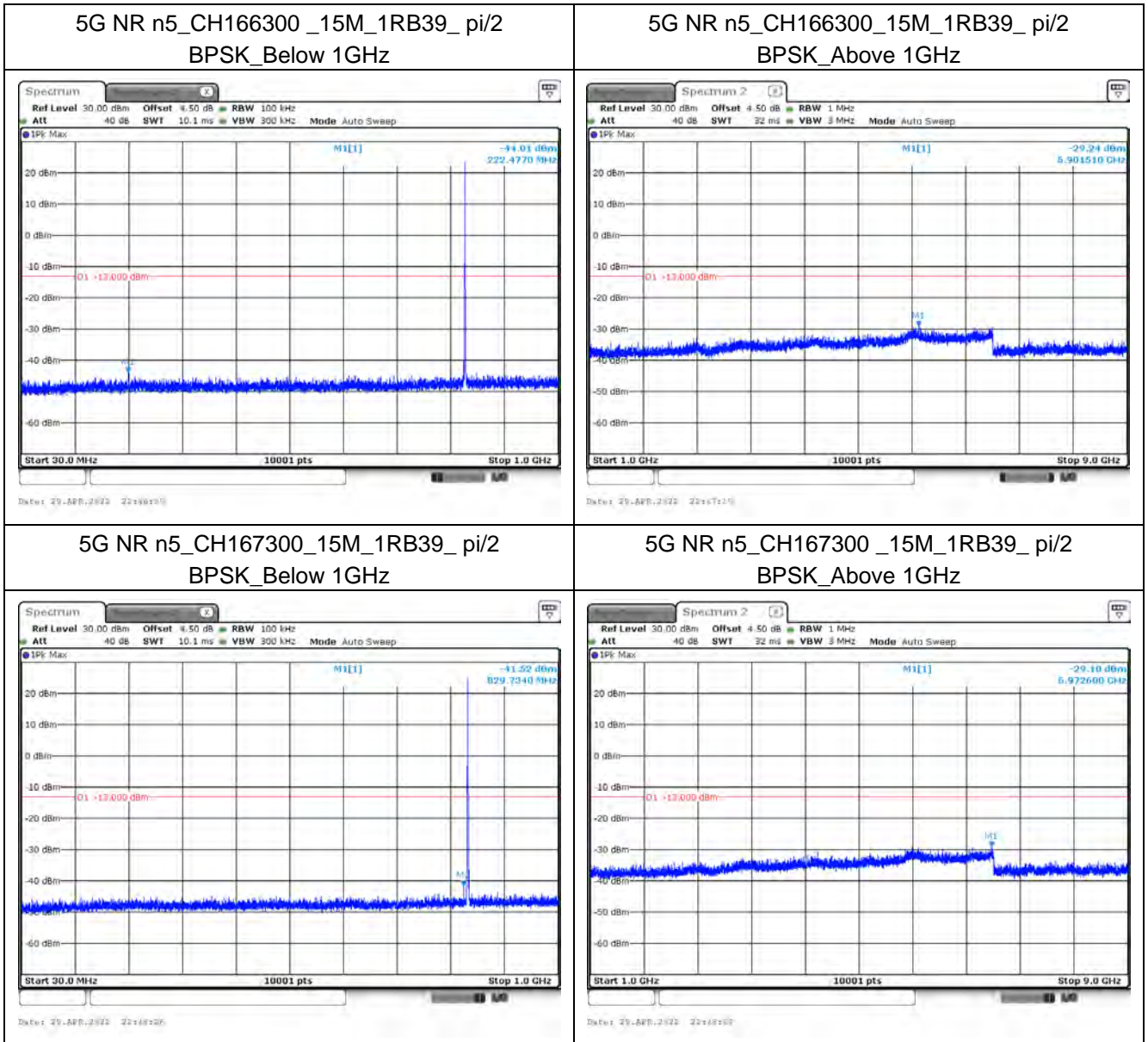


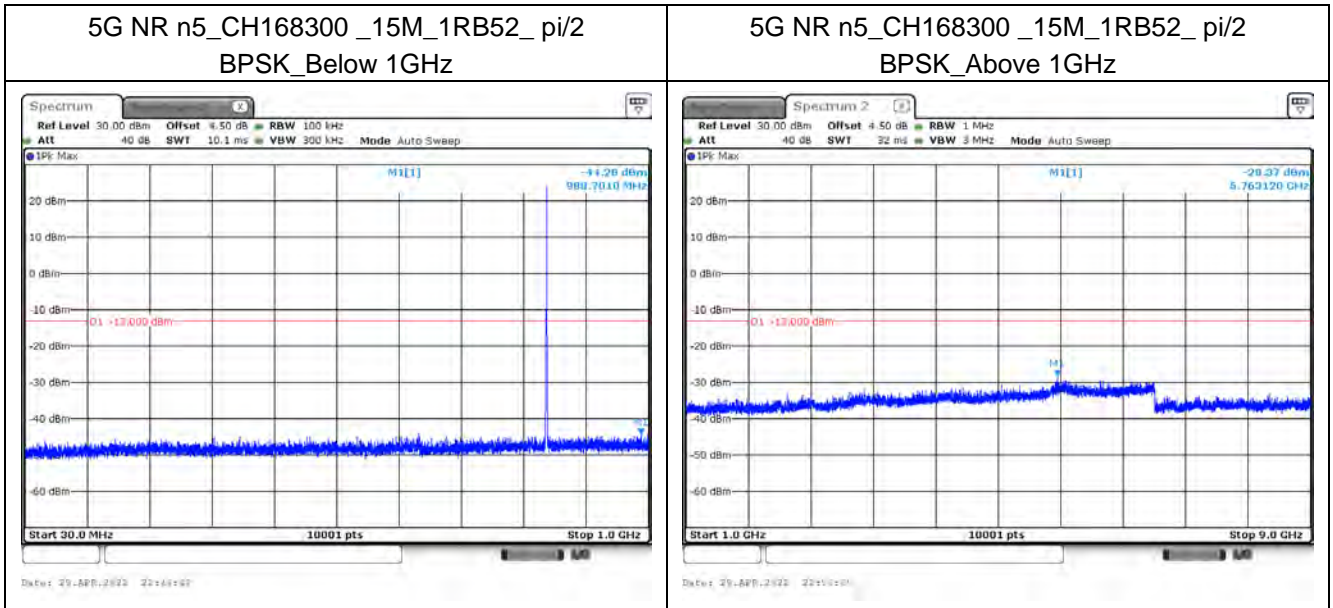
5G NR n5_CH168800_10M_1RB26_pi/2
BPSK_Below 1GHz

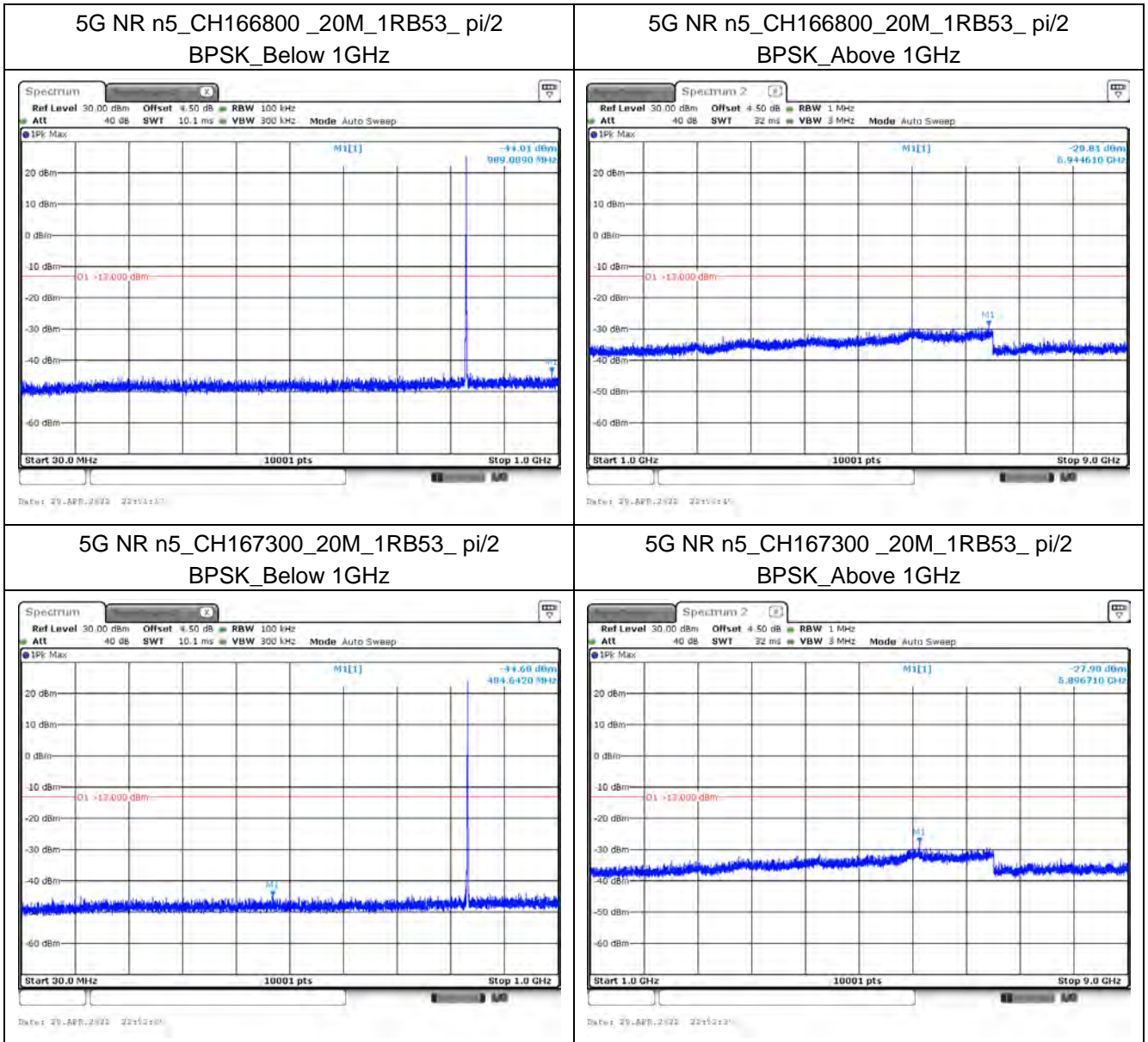


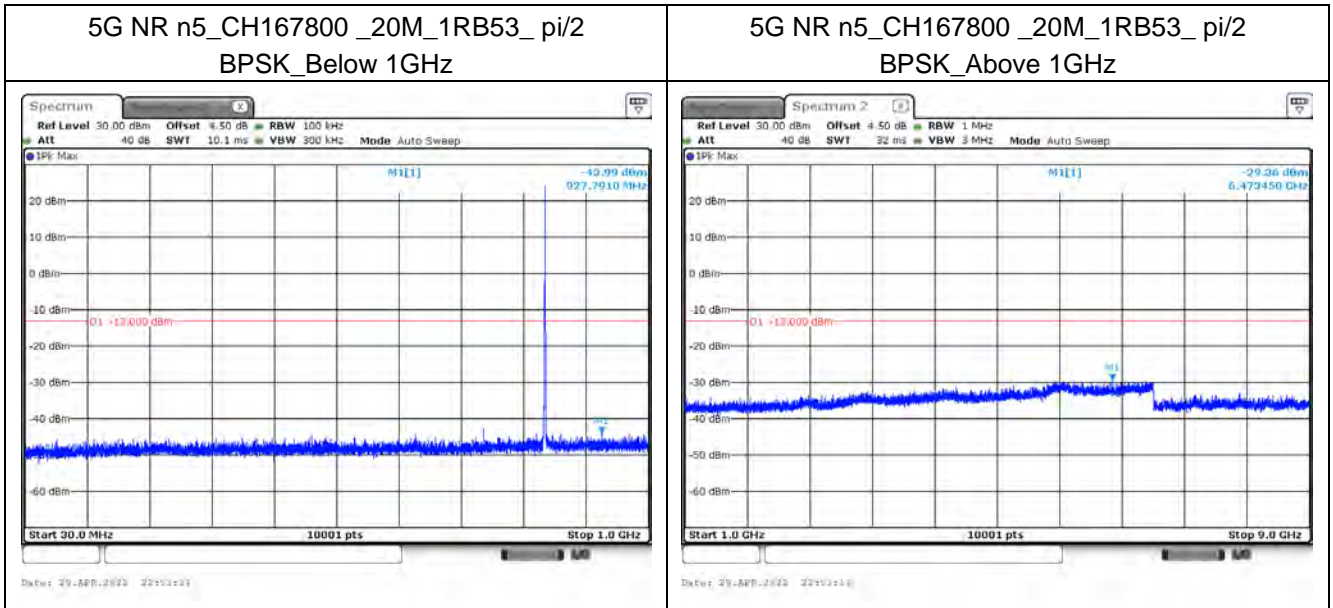
5G NR n5_CH168800_10M_1RB26_pi/2
BPSK_Above 1GHz



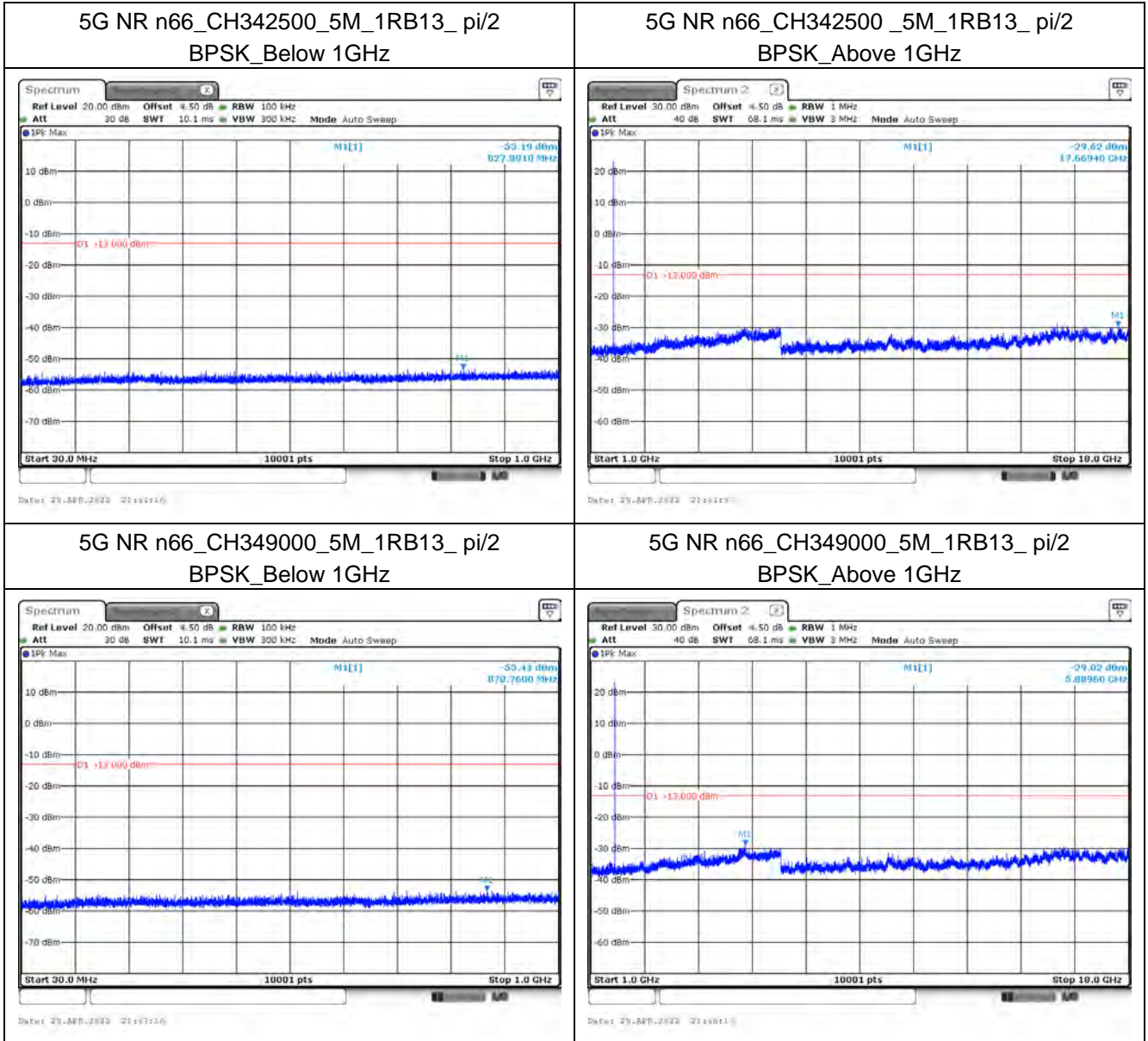


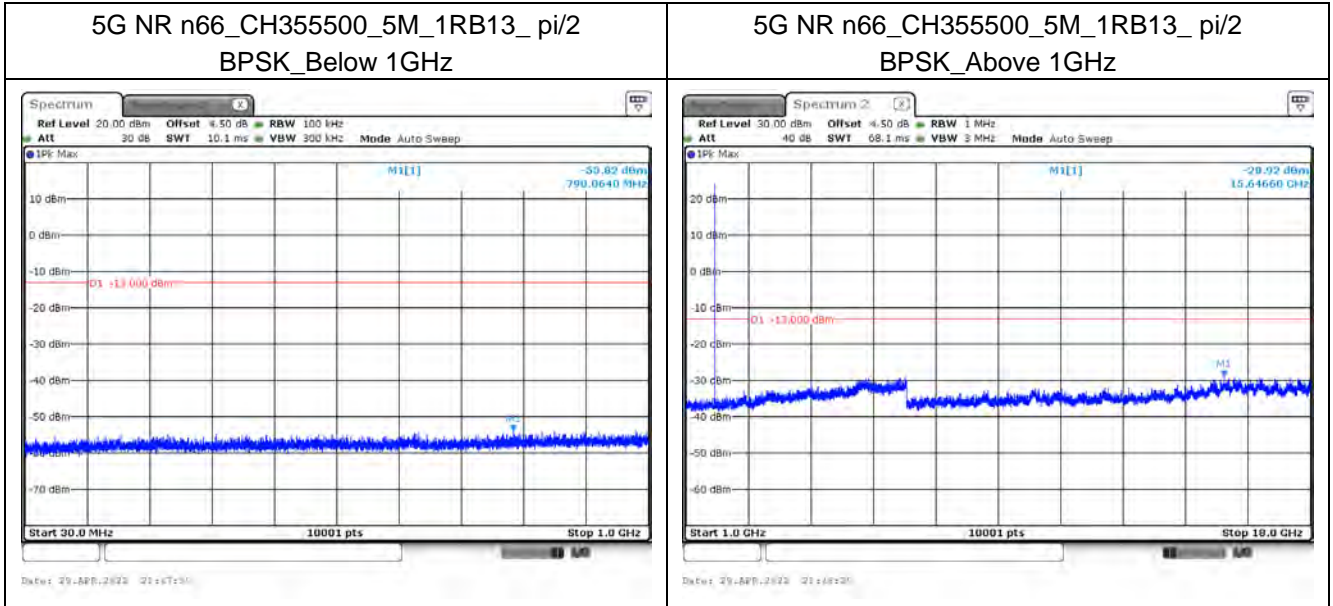


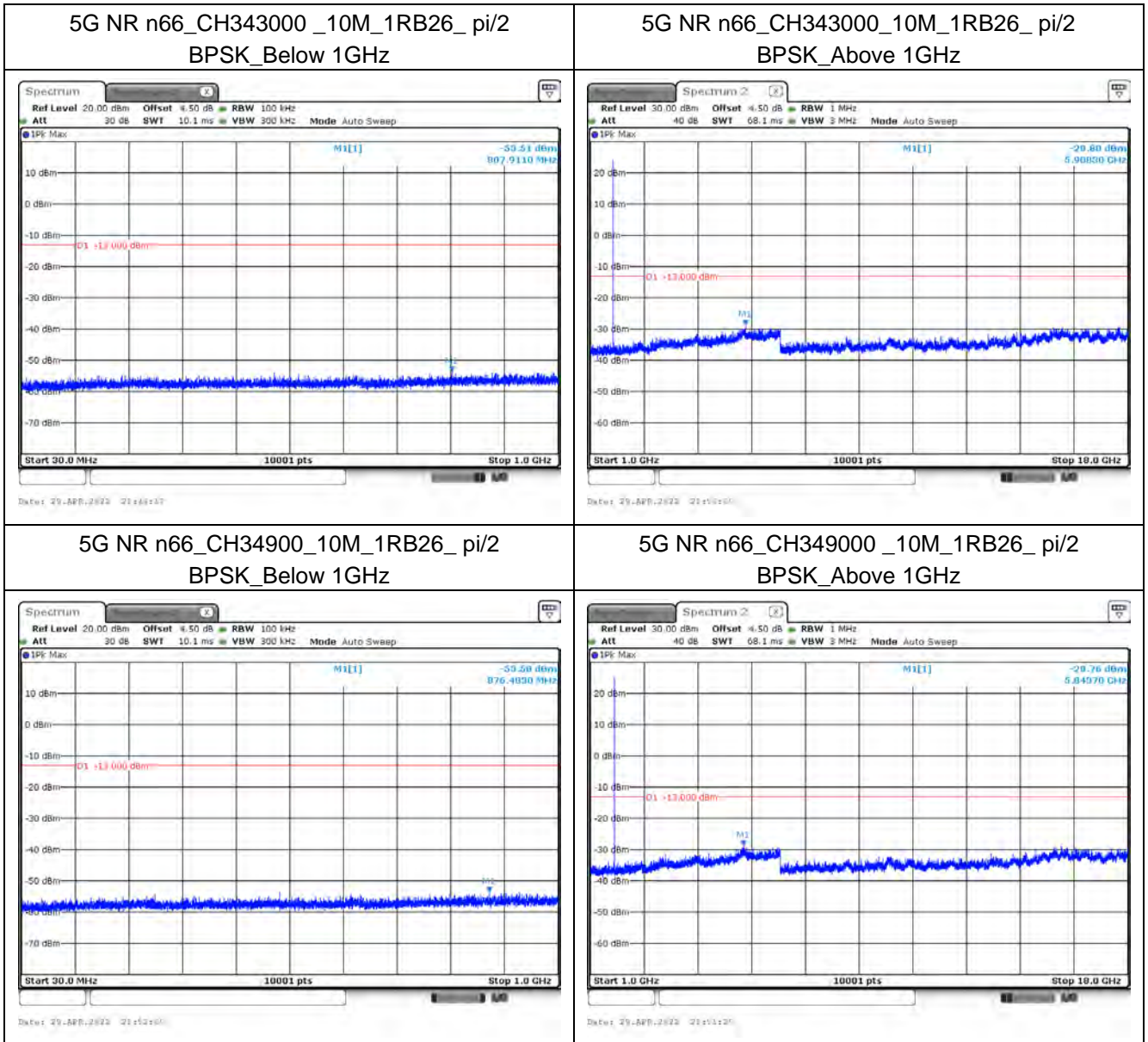


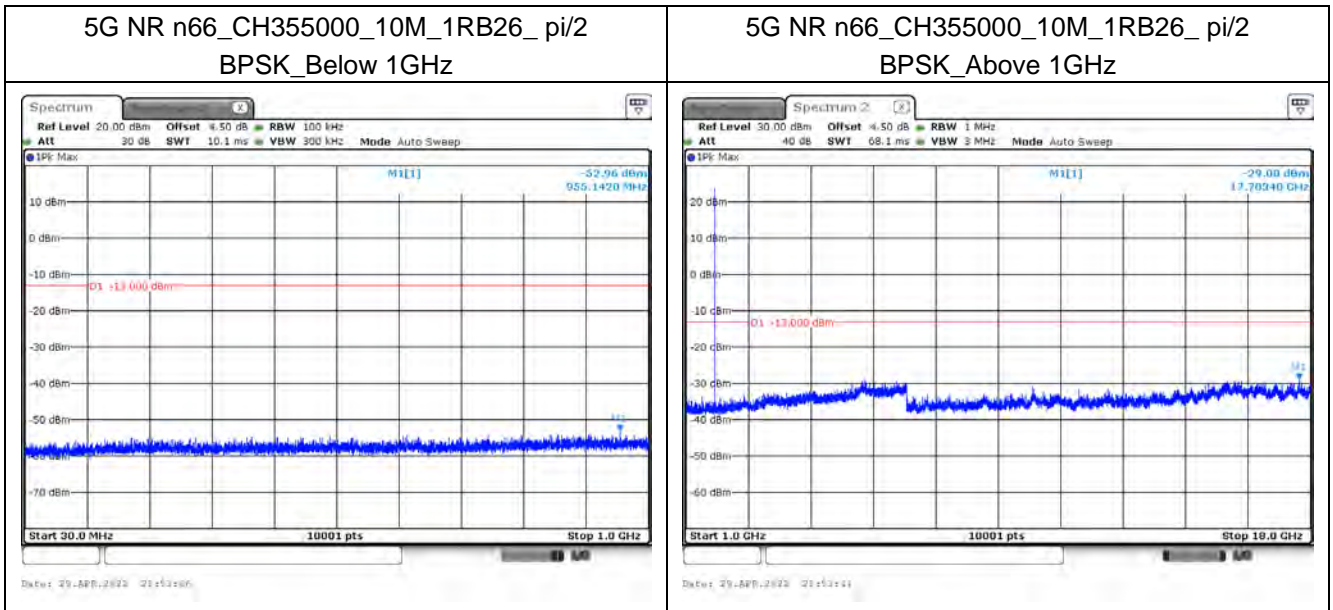


Mode 3: 5G NR n66

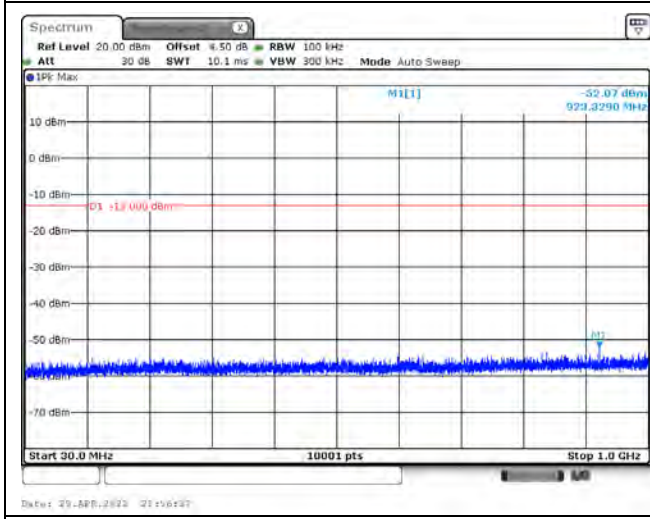




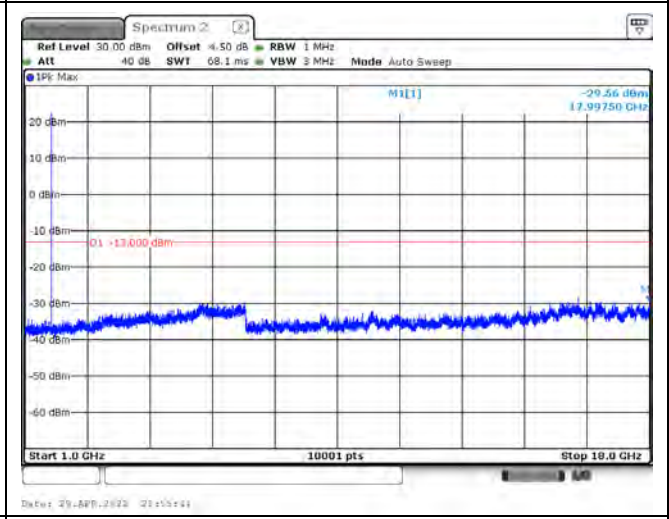




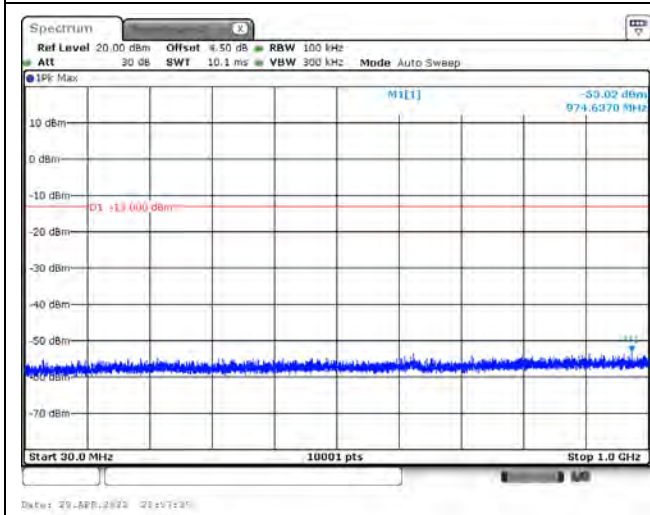
5G NR n66_CH3435000_15M_1RB79_pi/2
BPSK_Below 1GHz



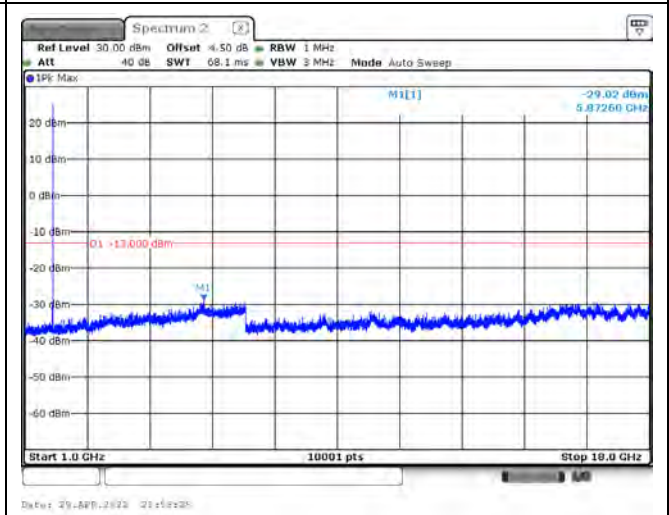
5G NR n66_CH3435000_15M_1RB79_pi/2
BPSK_Above 1GHz

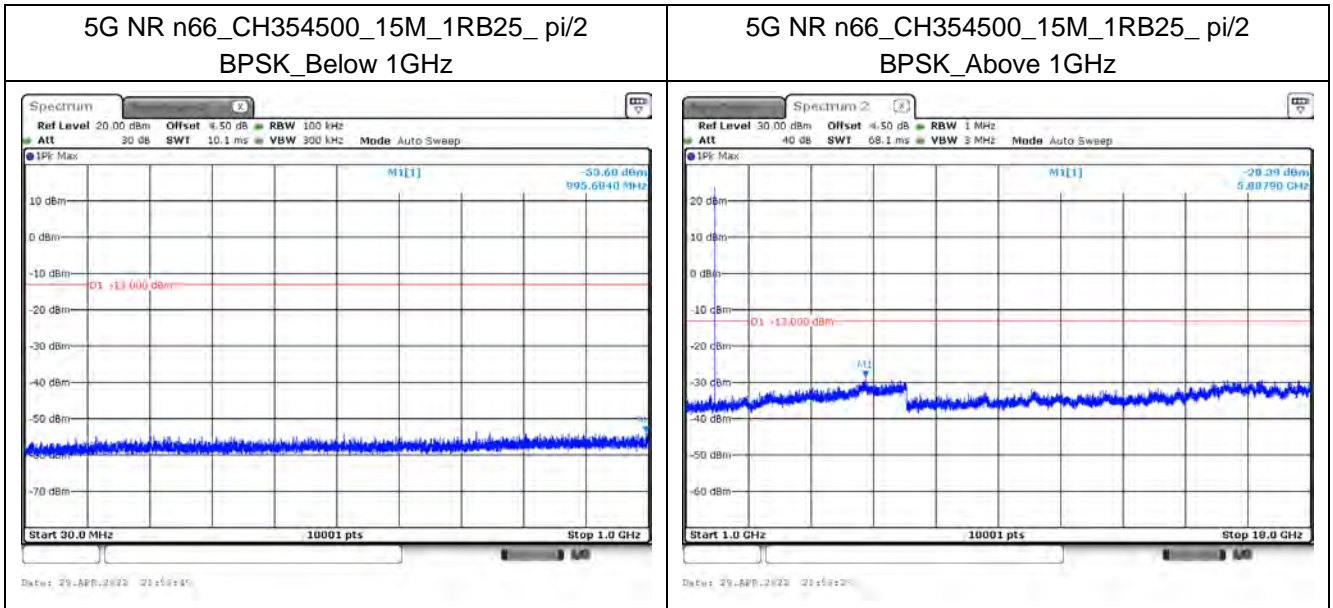


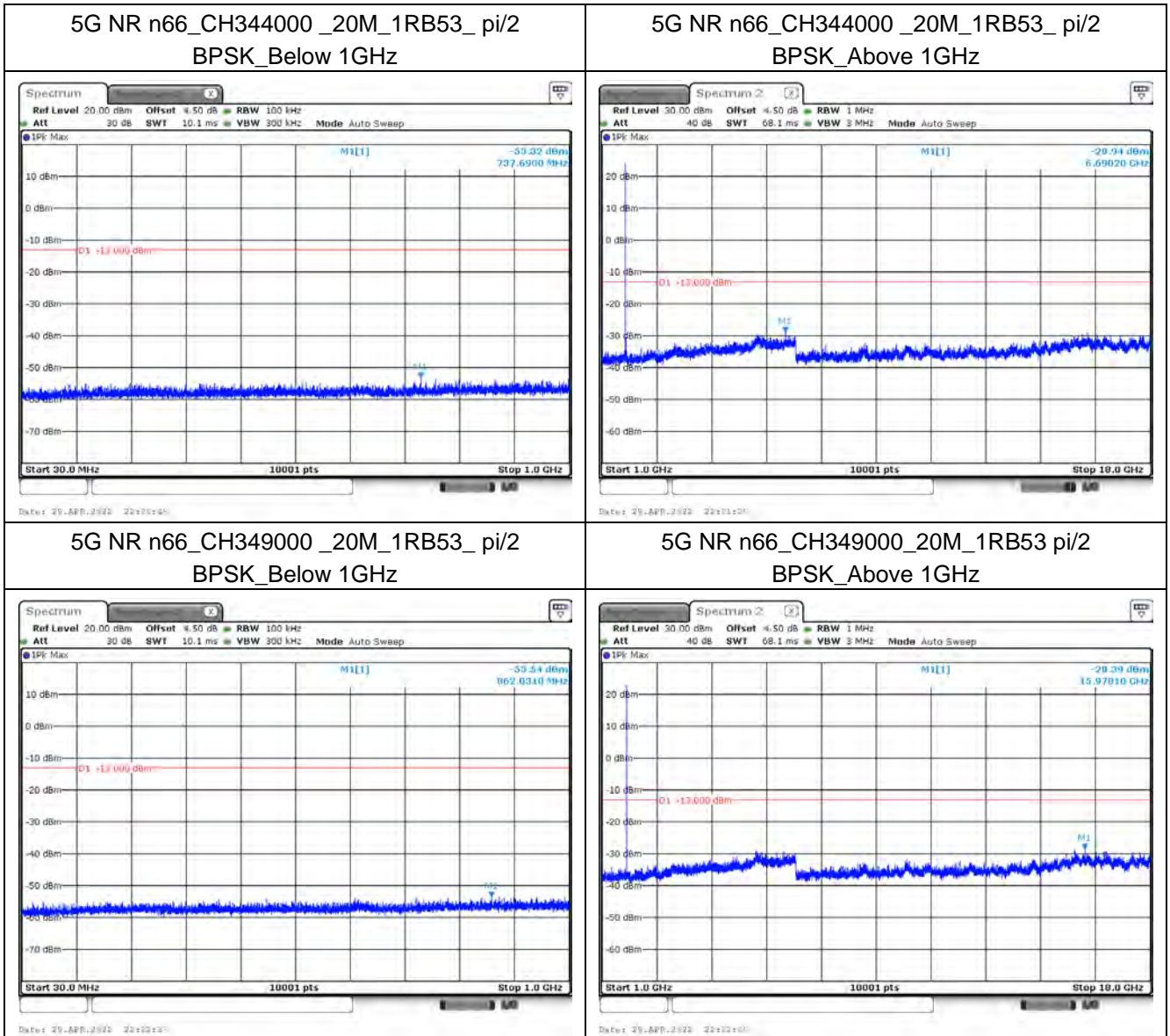
5G NR n66_CH349000_15M_1RB79_pi/2
BPSK_Below 1GHz

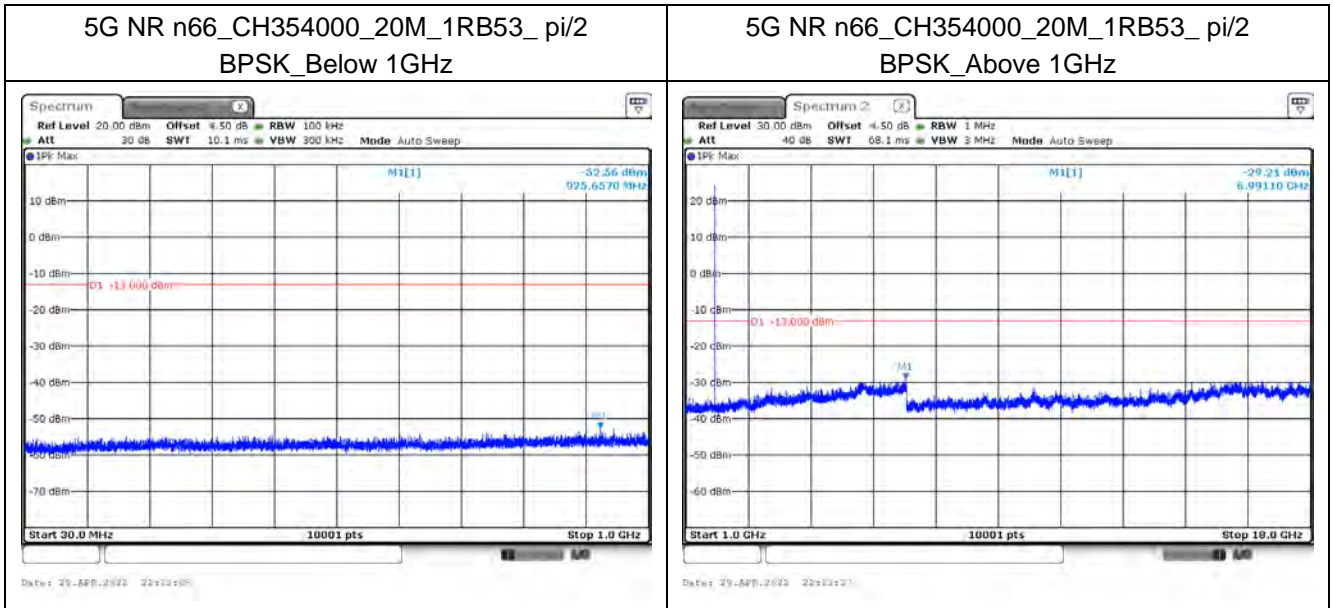


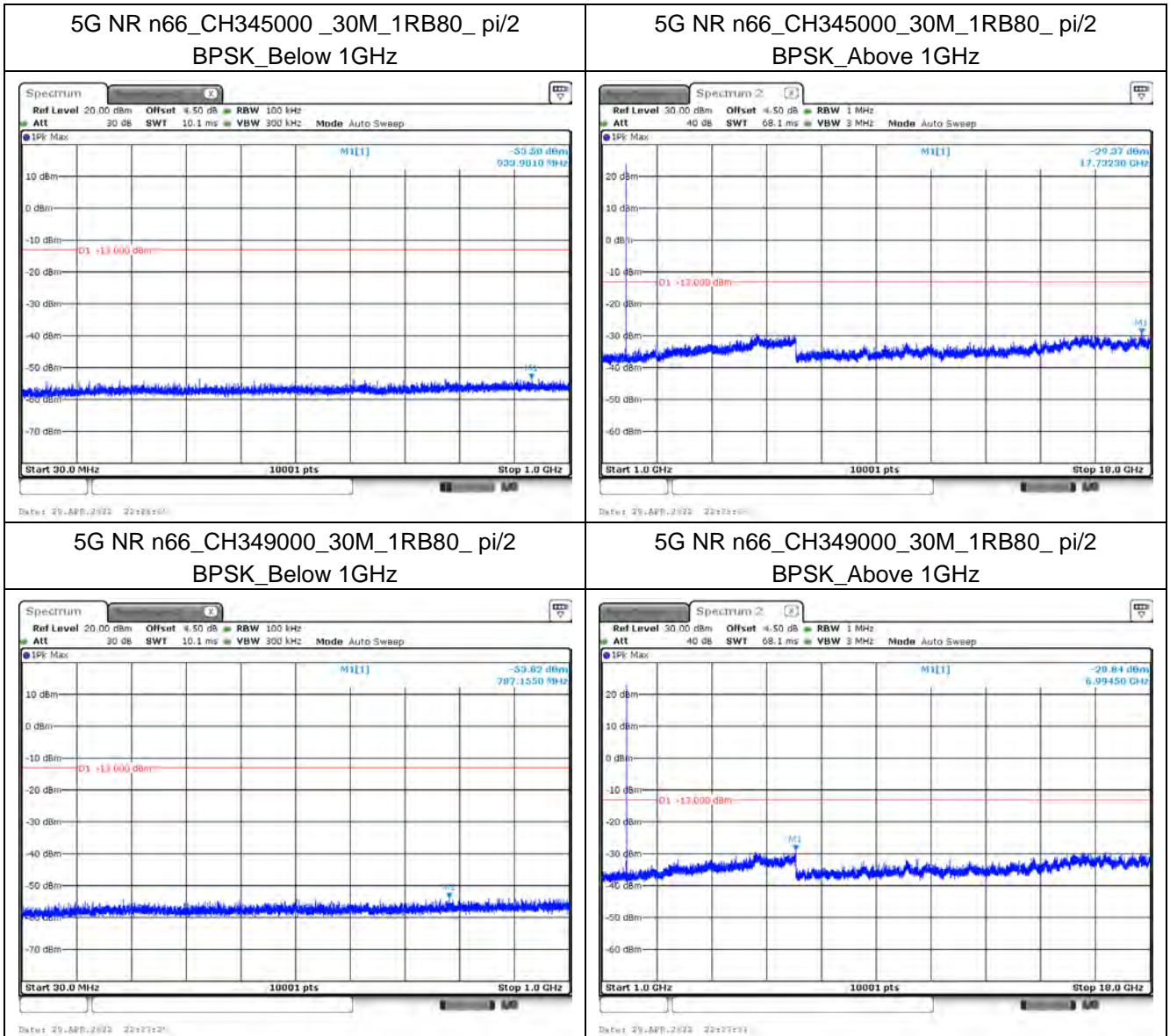
5G NR n66_CH34900015M_1RB117_pi/2
BPSK_Above 1GHz

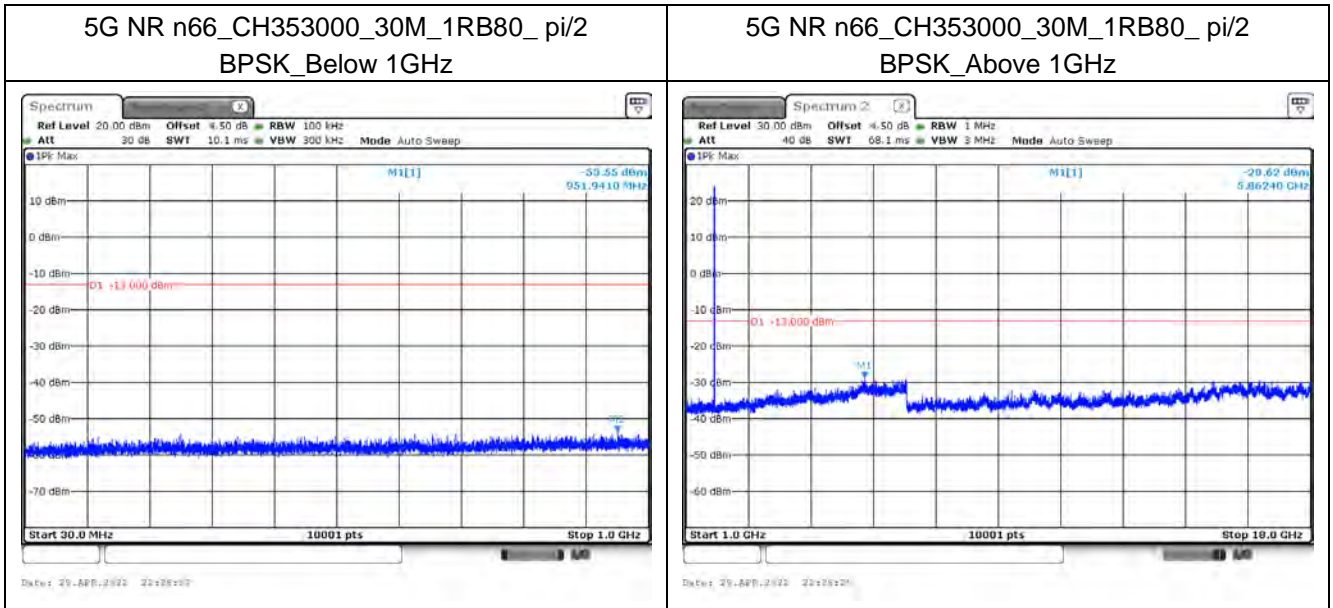


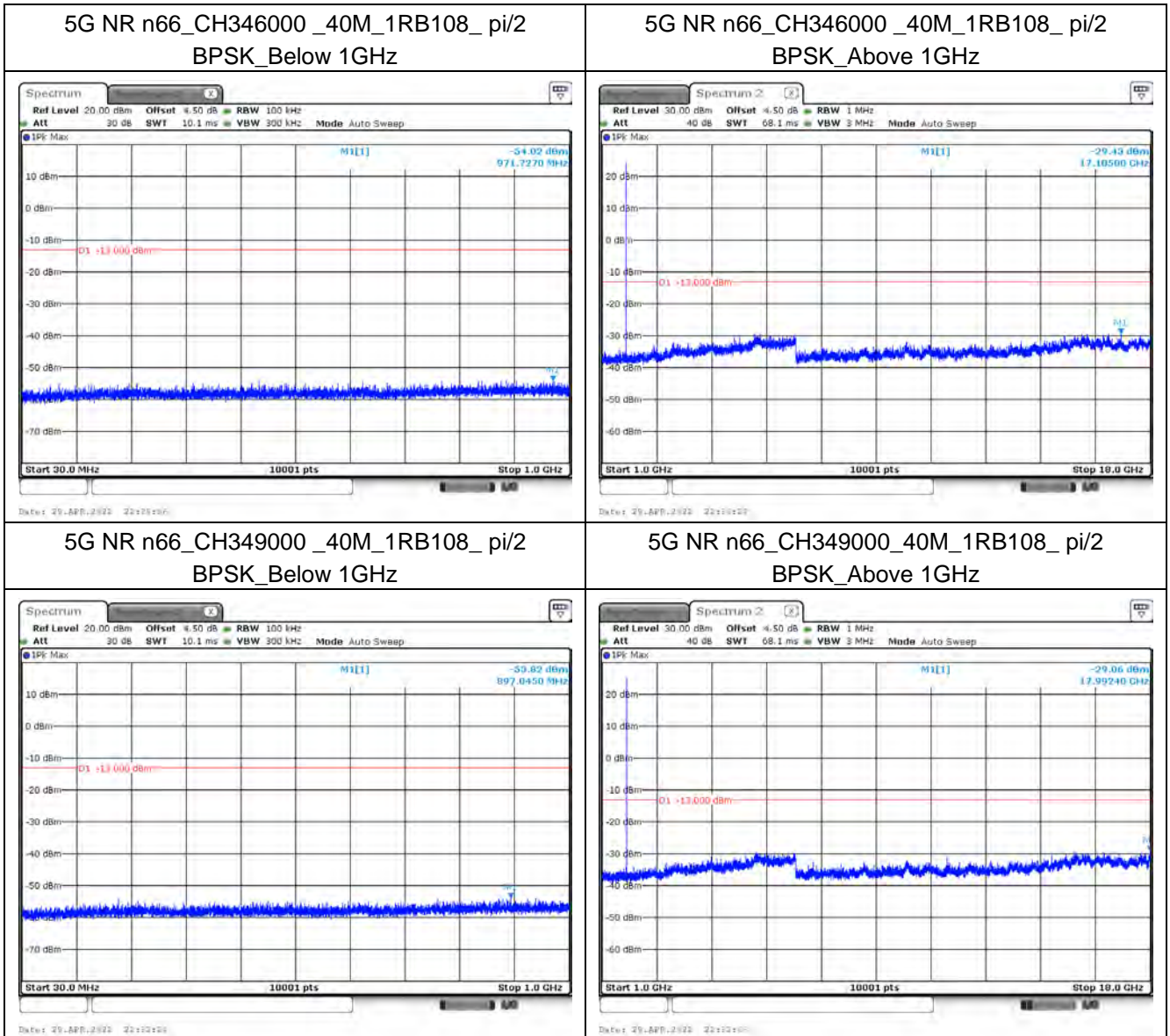




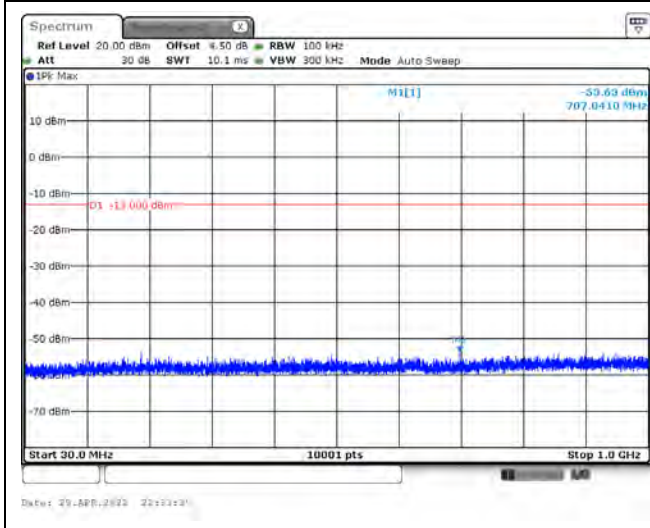




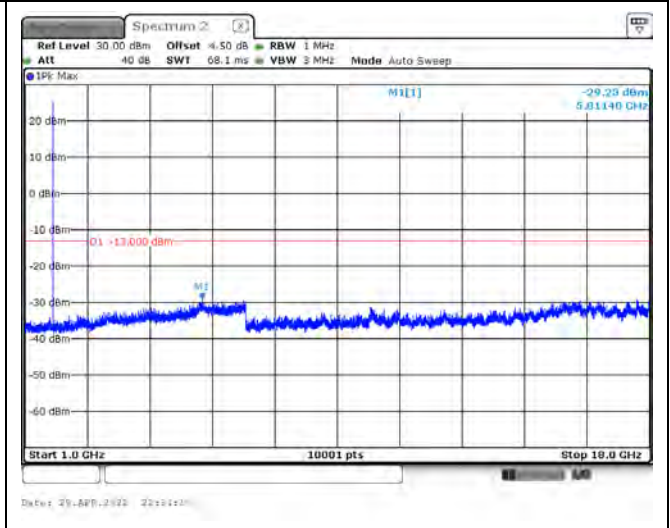




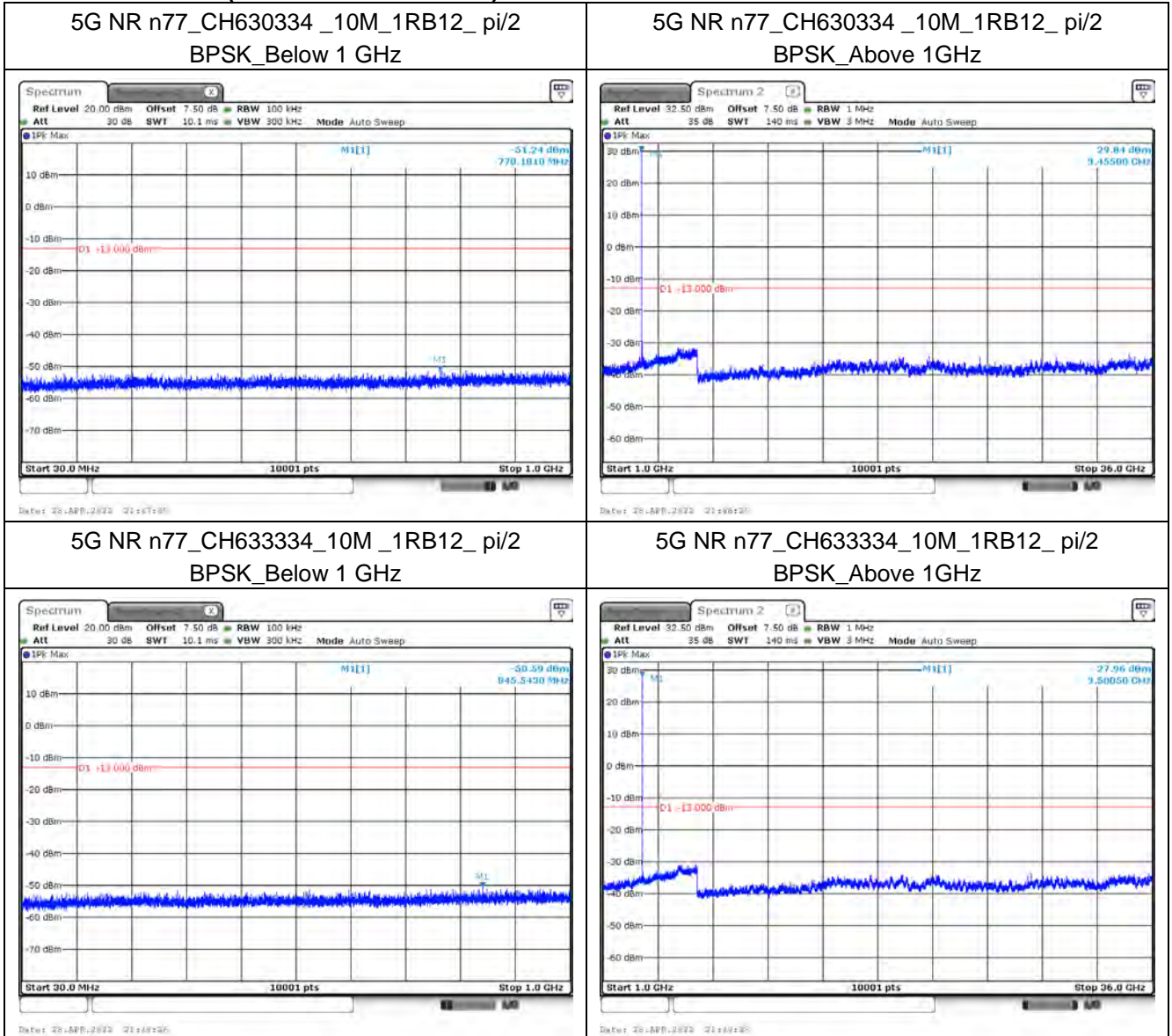
5G NR n66_CH352000_40M_1RB108_pi/2
BPSK_Below 1 GHz

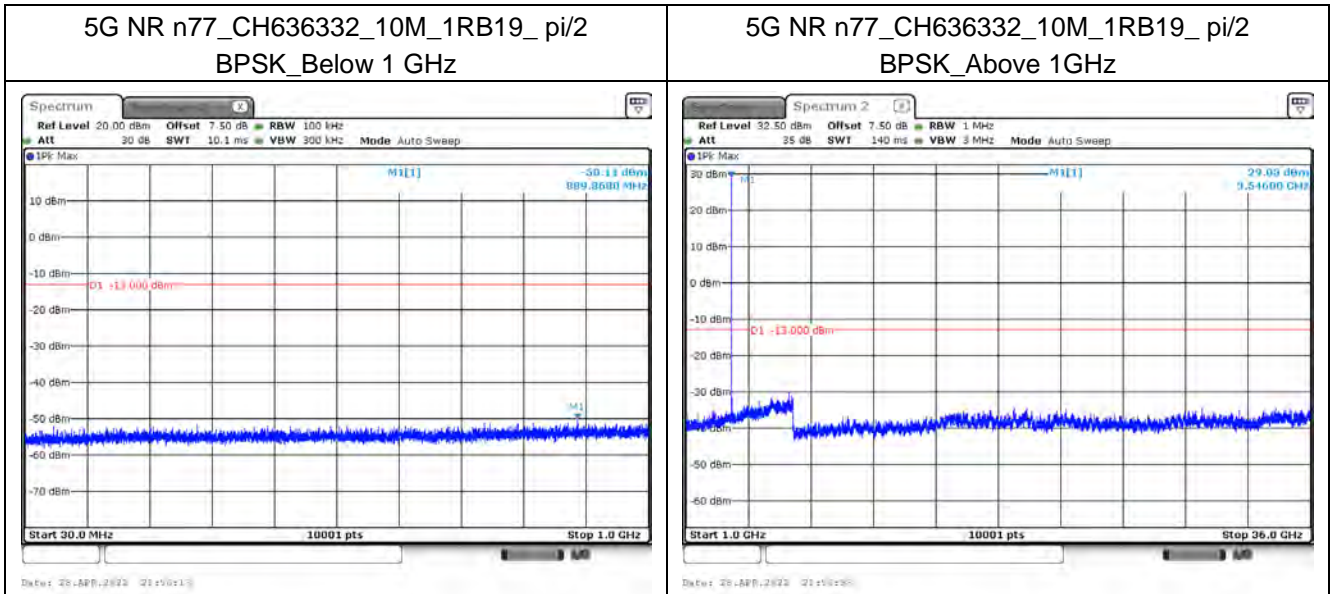


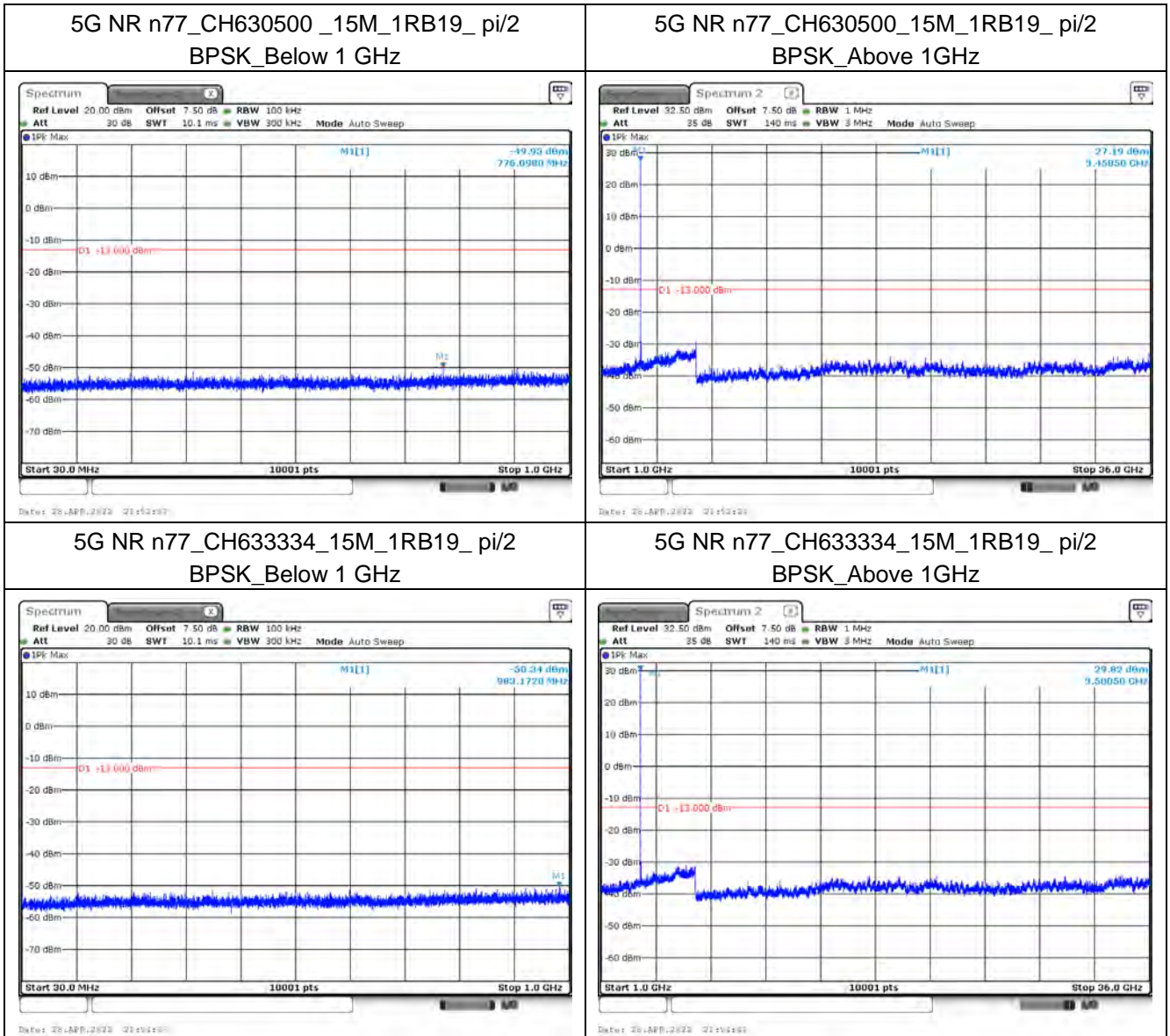
5G NR n66_CH352000_40M_1RB108_pi/2
BPSK_Above 1GHz

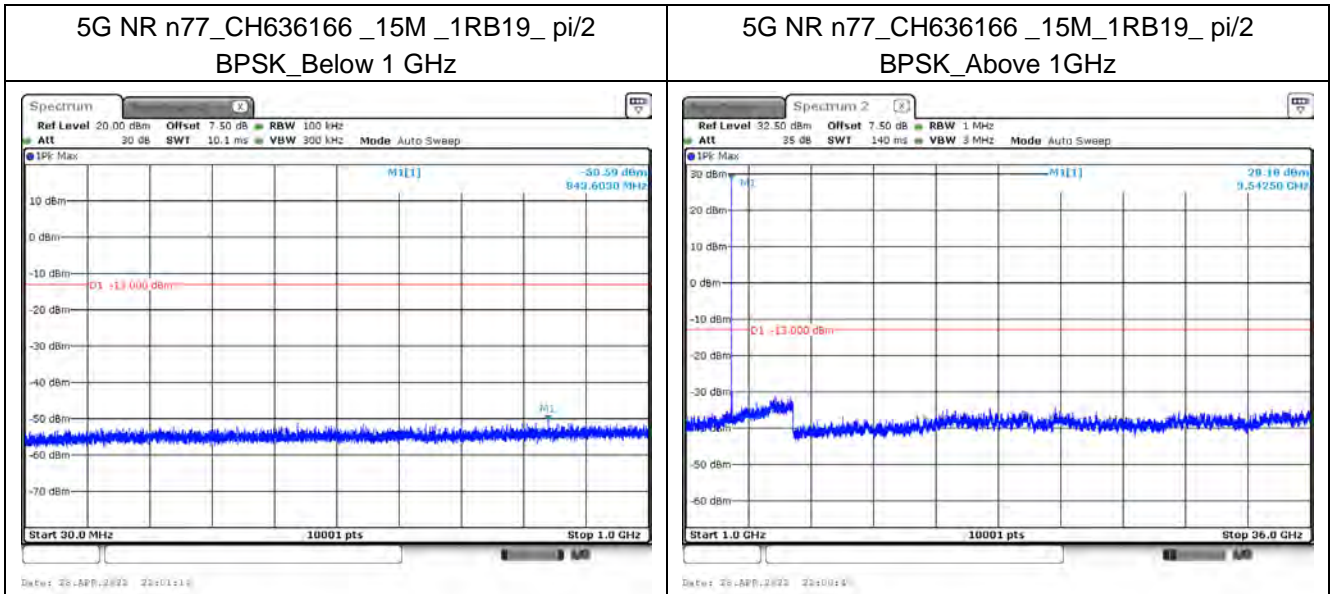


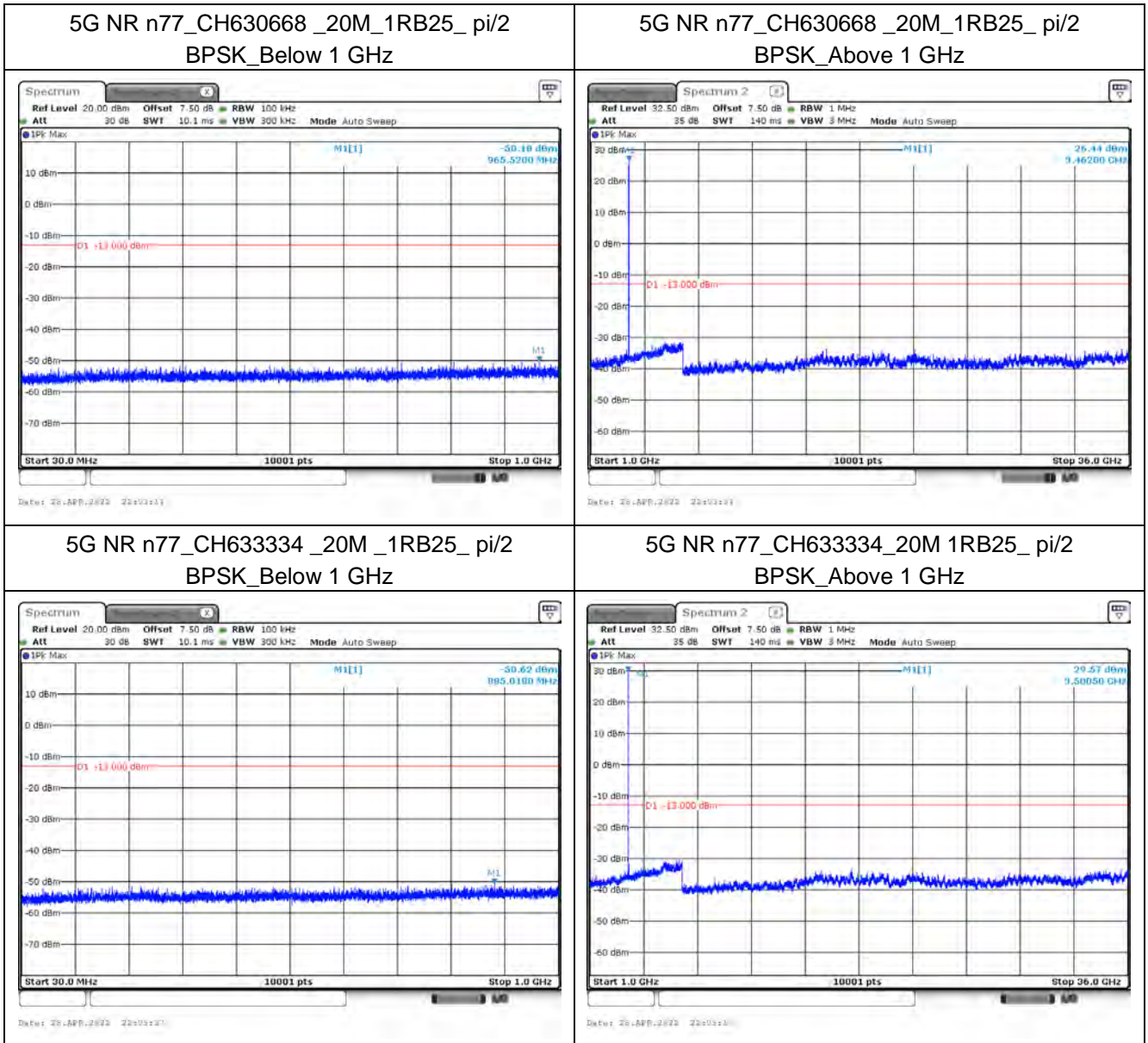
Mode 4: 5G NR n77 (Part 27 3450~3550 MHz)

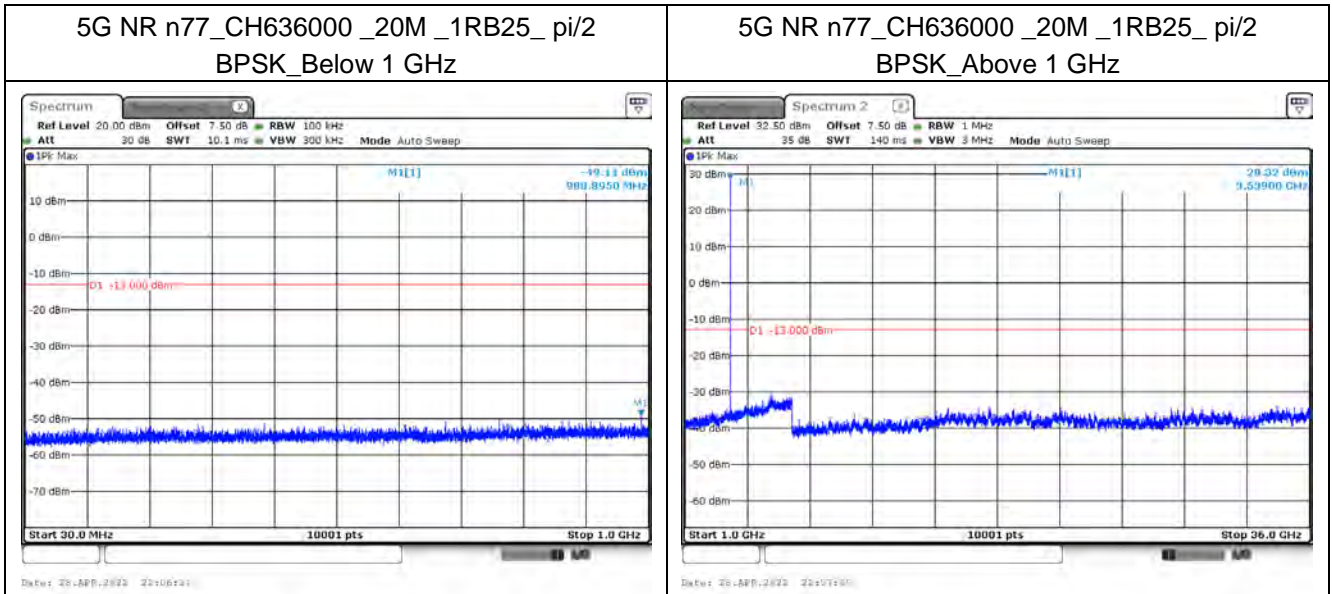


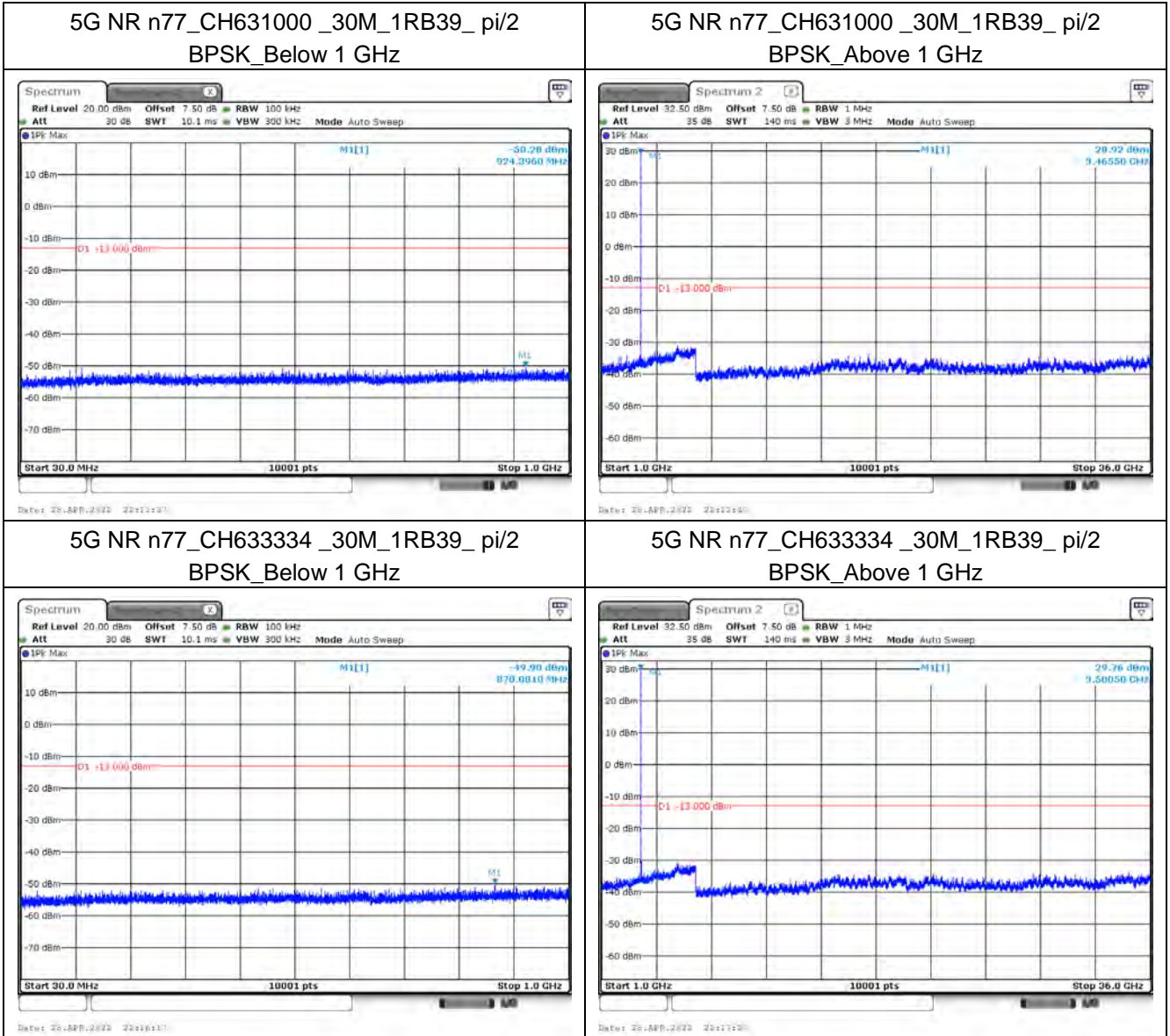




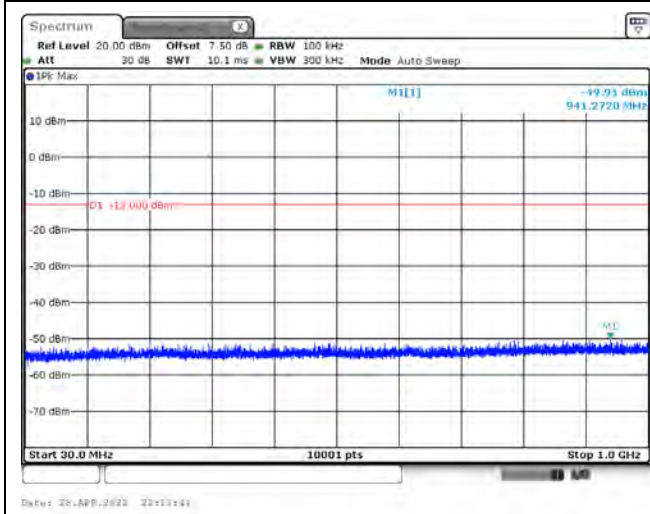




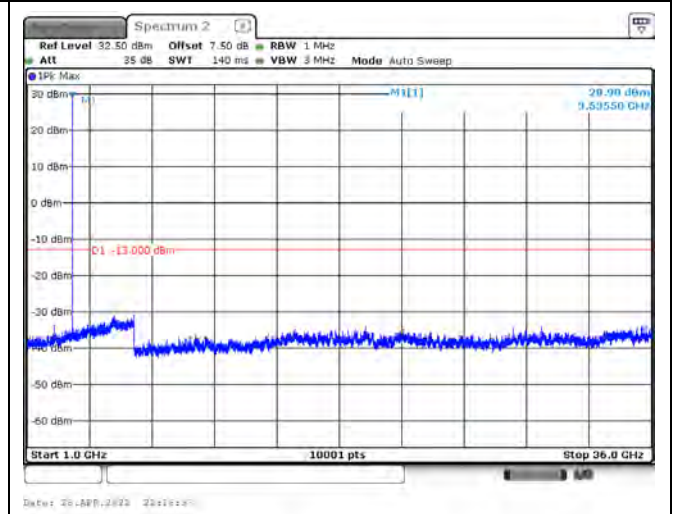


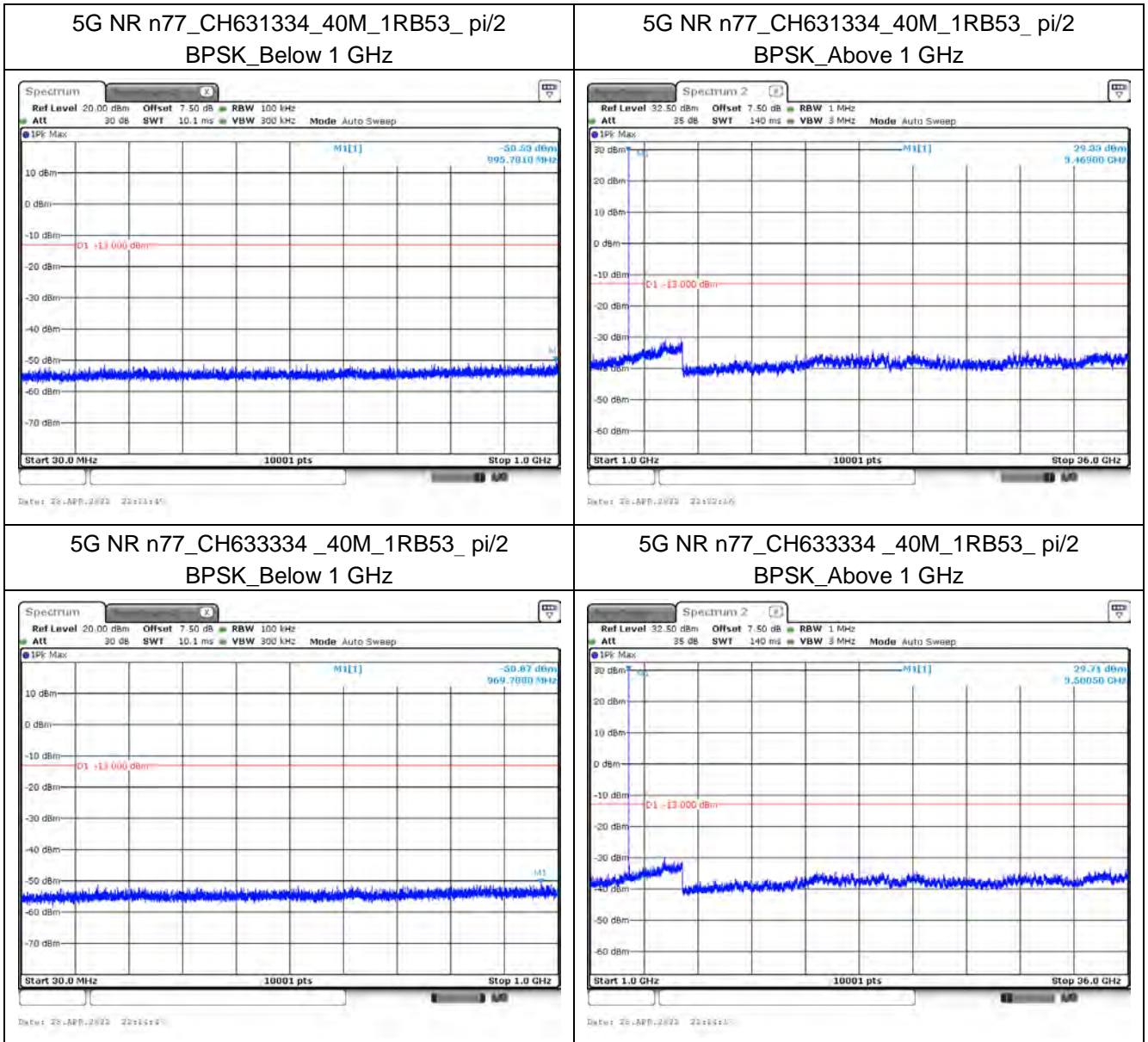


5G NR n77_CH635666_30M_1RB39_pi/2
BPSK_Below 1 GHz

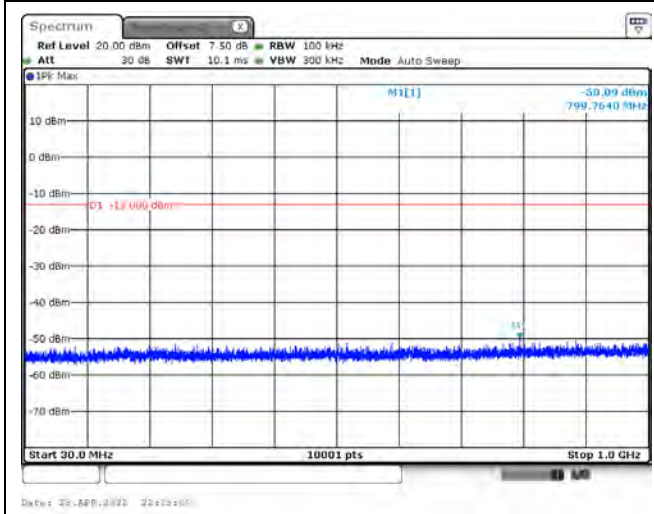


5G NR n77_CH635666_30M_1RB39_pi/2
BPSK_Above 1 GHz

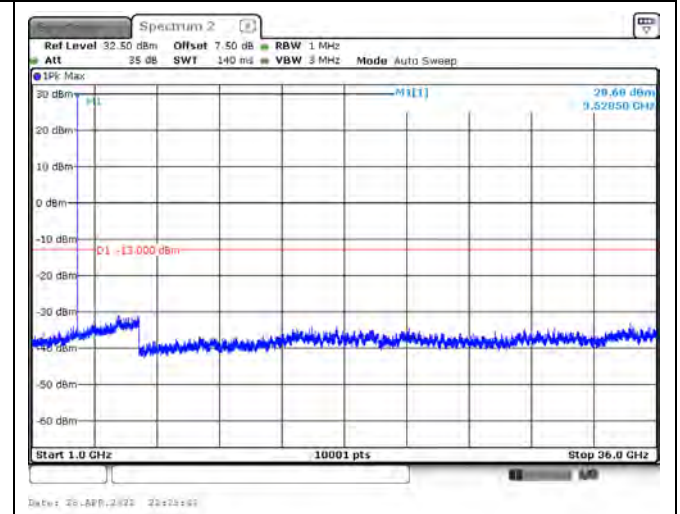


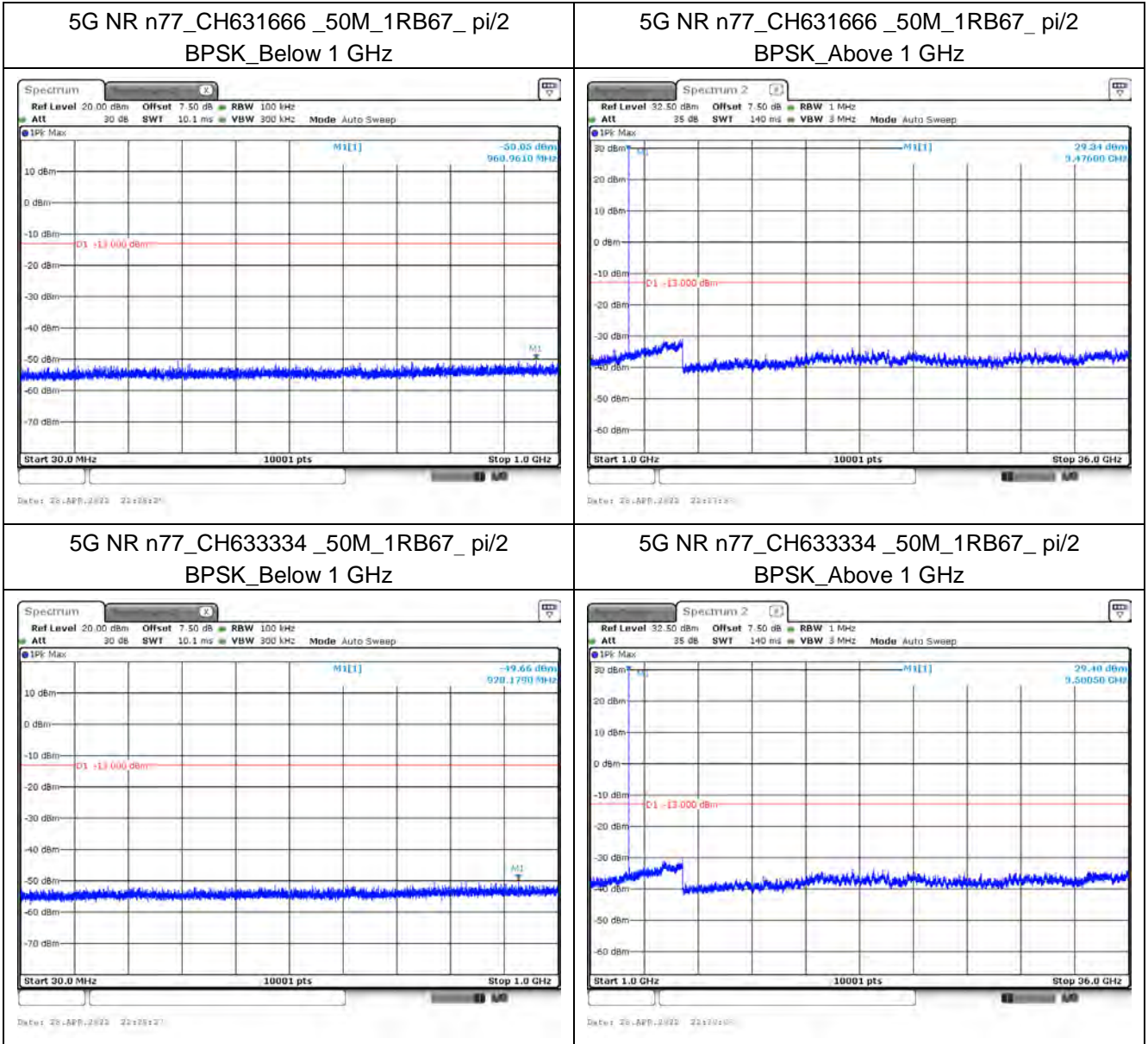


5G NR n77_CH635332_40M_1RB53_pi/2
BPSK_Below 1 GHz

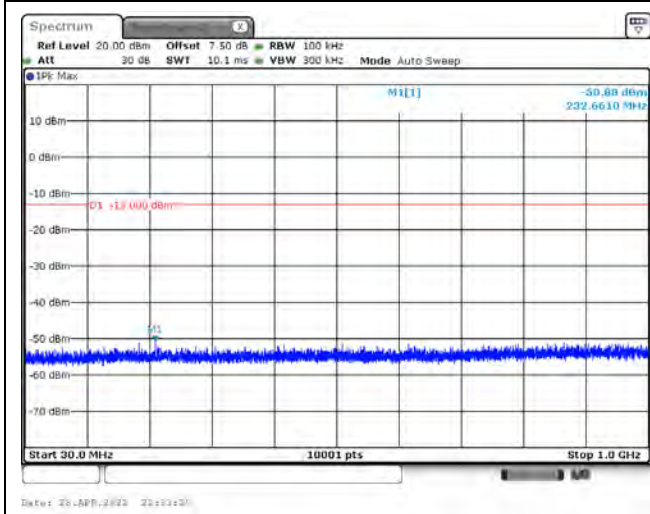


5G NR n77_CH635332_40M_1RB53_pi/2
BPSK_Above 1G

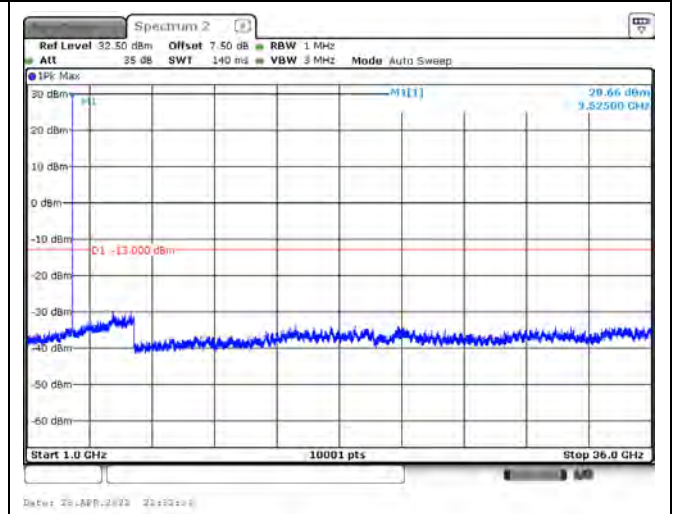


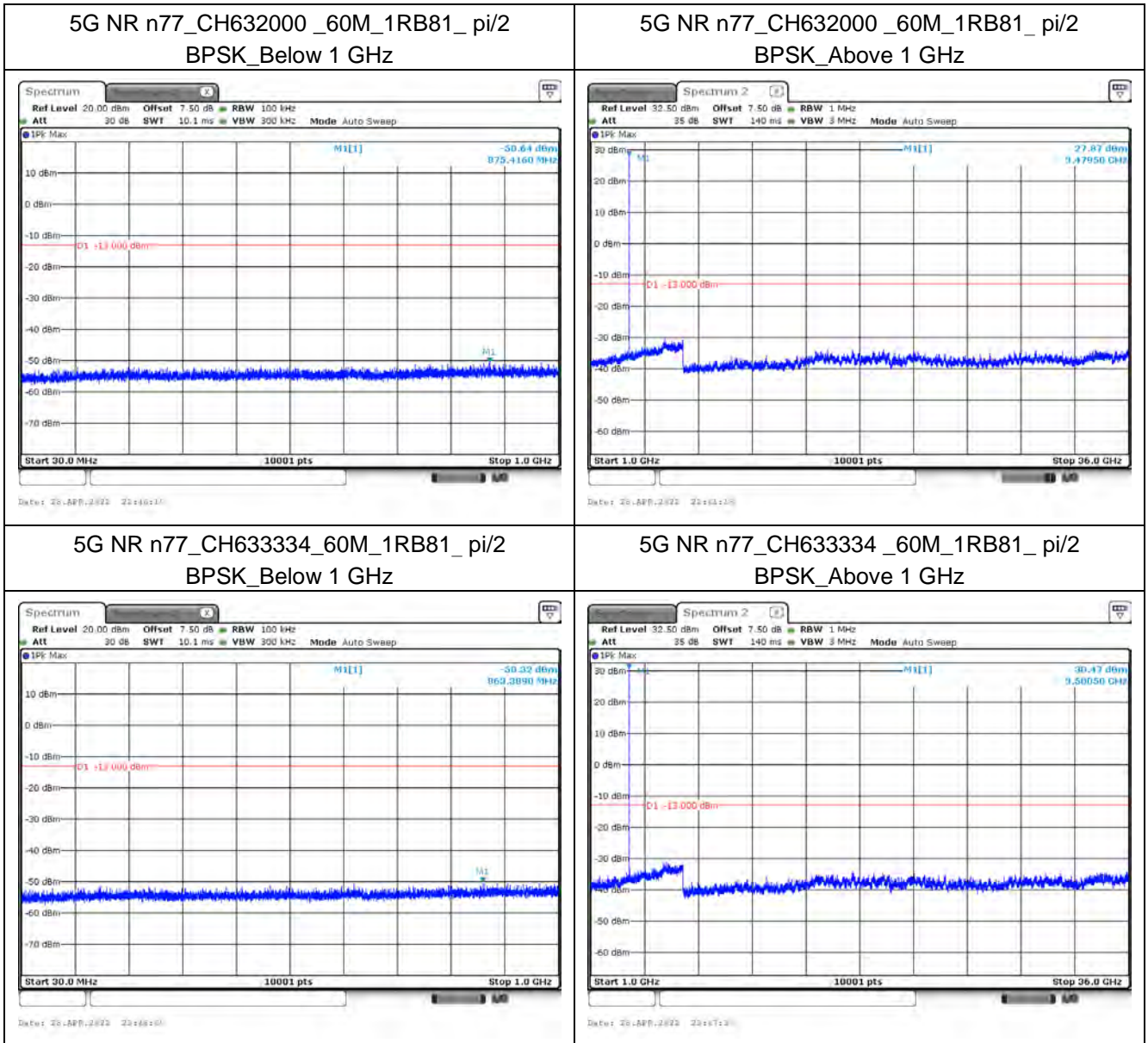


5G NR n77_CH635000_50M_1RB67_pi/2
BPSK_Below 1 GHz

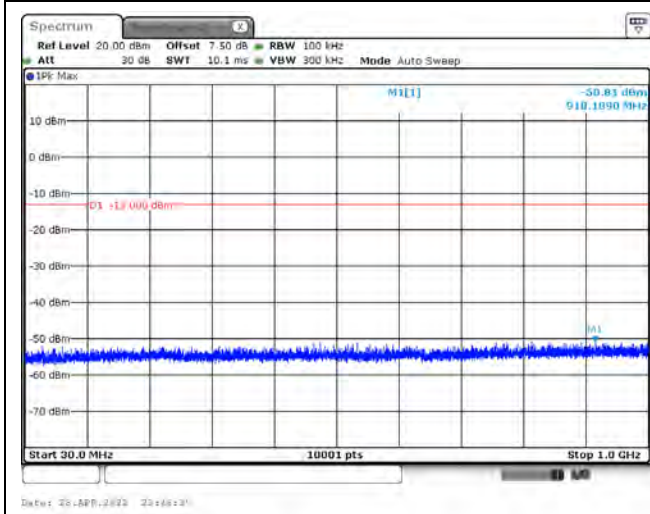


5G NR n77_CH635000_50M_1RB67_pi/2
BPSK_Above 1 GHz

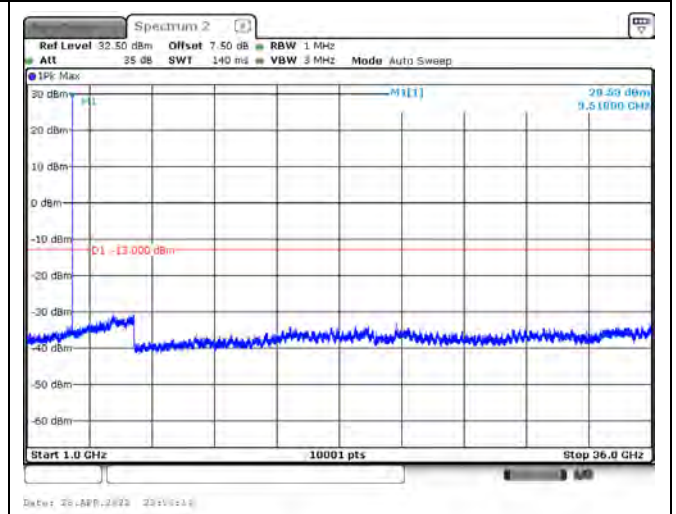


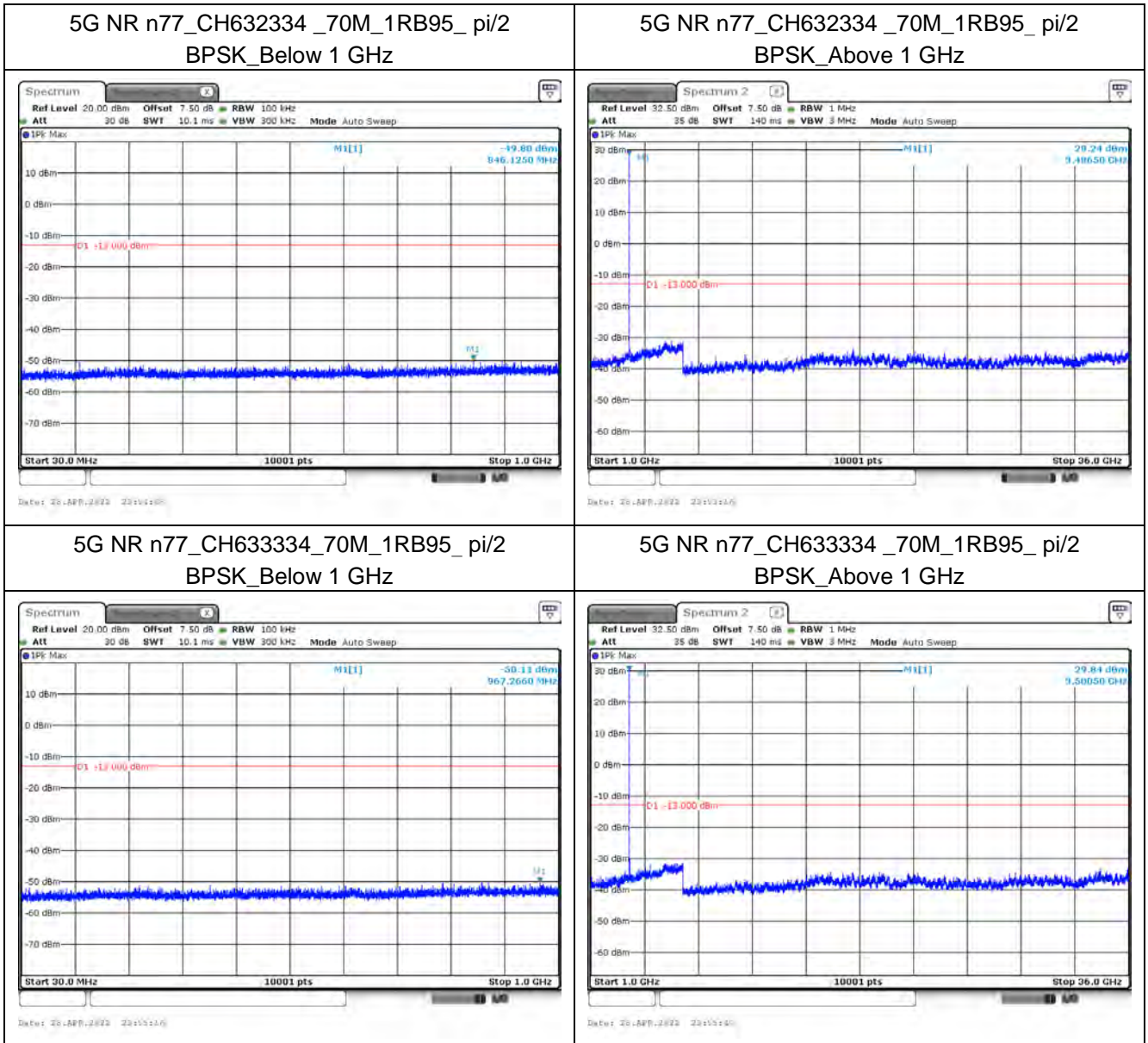


5G NR n77_CH634666_60M_1RB81_pi/2
BPSK_Below 1 GHz

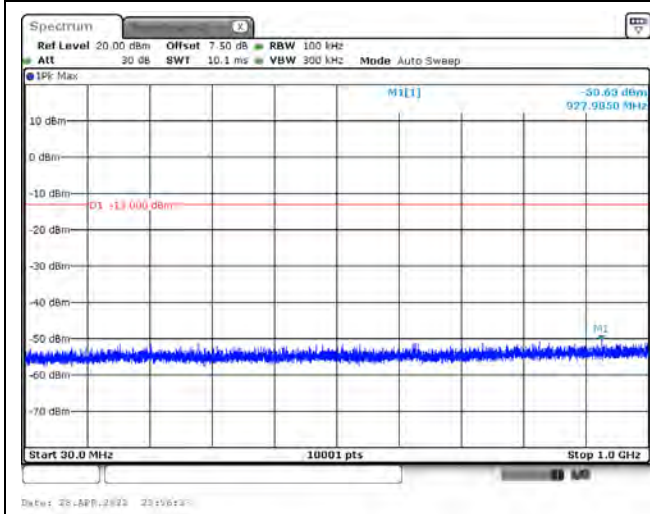


5G NR n77_CH634666_60M_1RB81_pi/2
BPSK_Above 1 GHz

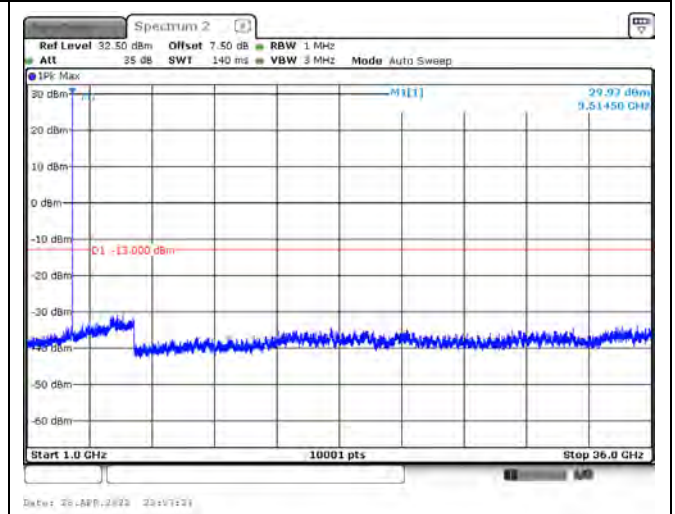




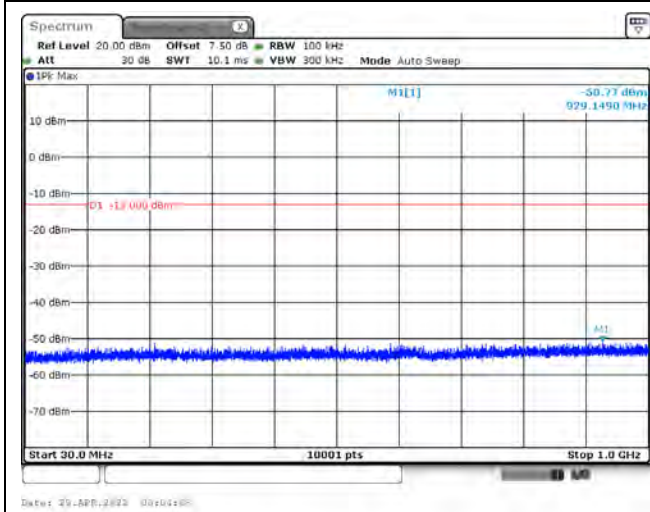
5G NR n77_CH634332_70M_1RB95_pi/2
BPSK_Below 1 GHz



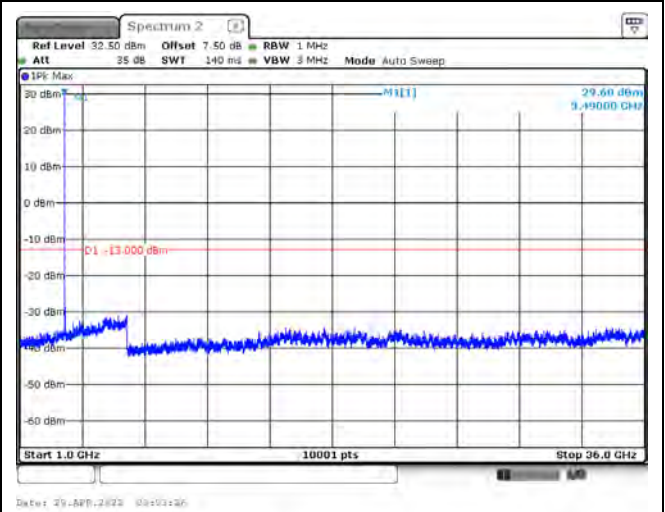
5G NR n77_CH634332_70M_1RB95_pi/2
BPSK_Above 1 GHz



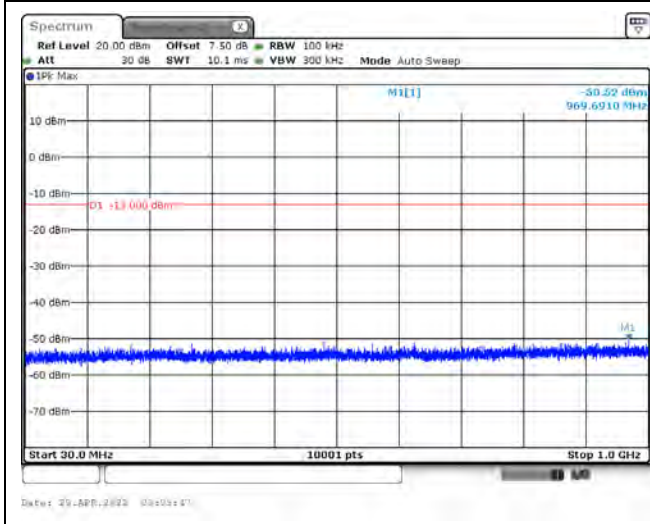
5G NR n77_CH632668_80M_1RB109_pi/2
BPSK_Below 1 GHz



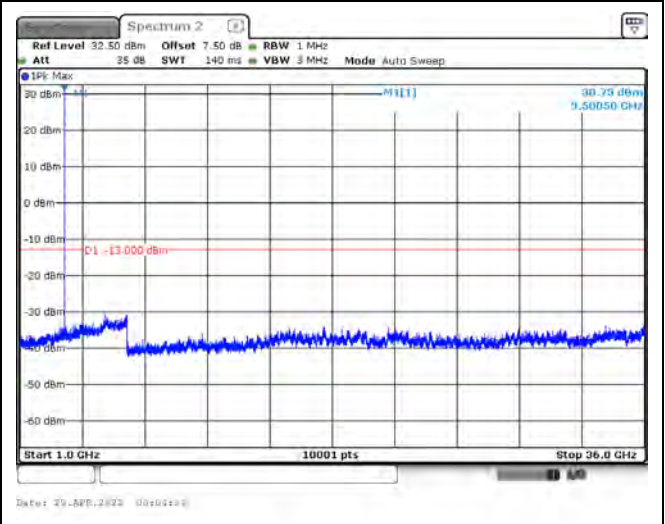
5G NR n77_CH632668_80M_1RB109_pi/2
BPSK_Above 1 GHz



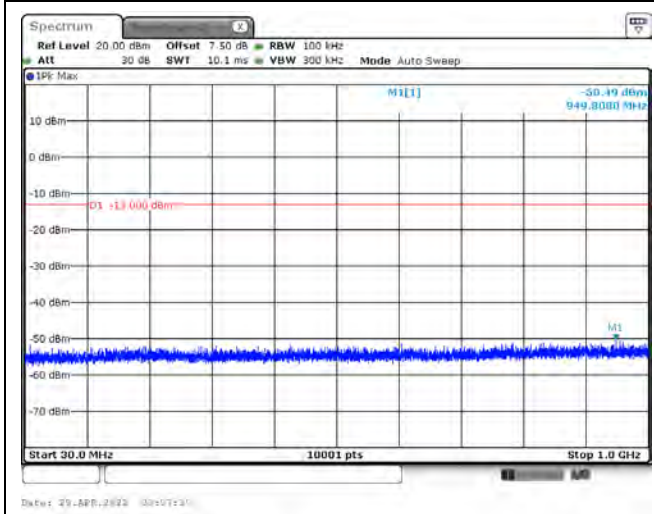
5G NR n77_CH633334_80M_1RB109_pi/2
BPSK_Below 1 GHz



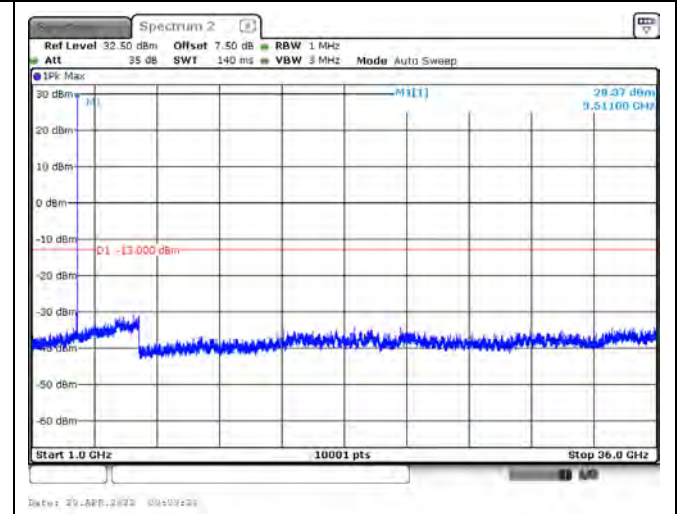
5G NR n77_CH633334_80M_1RB109_pi/2
BPSK_Above 1 GHz

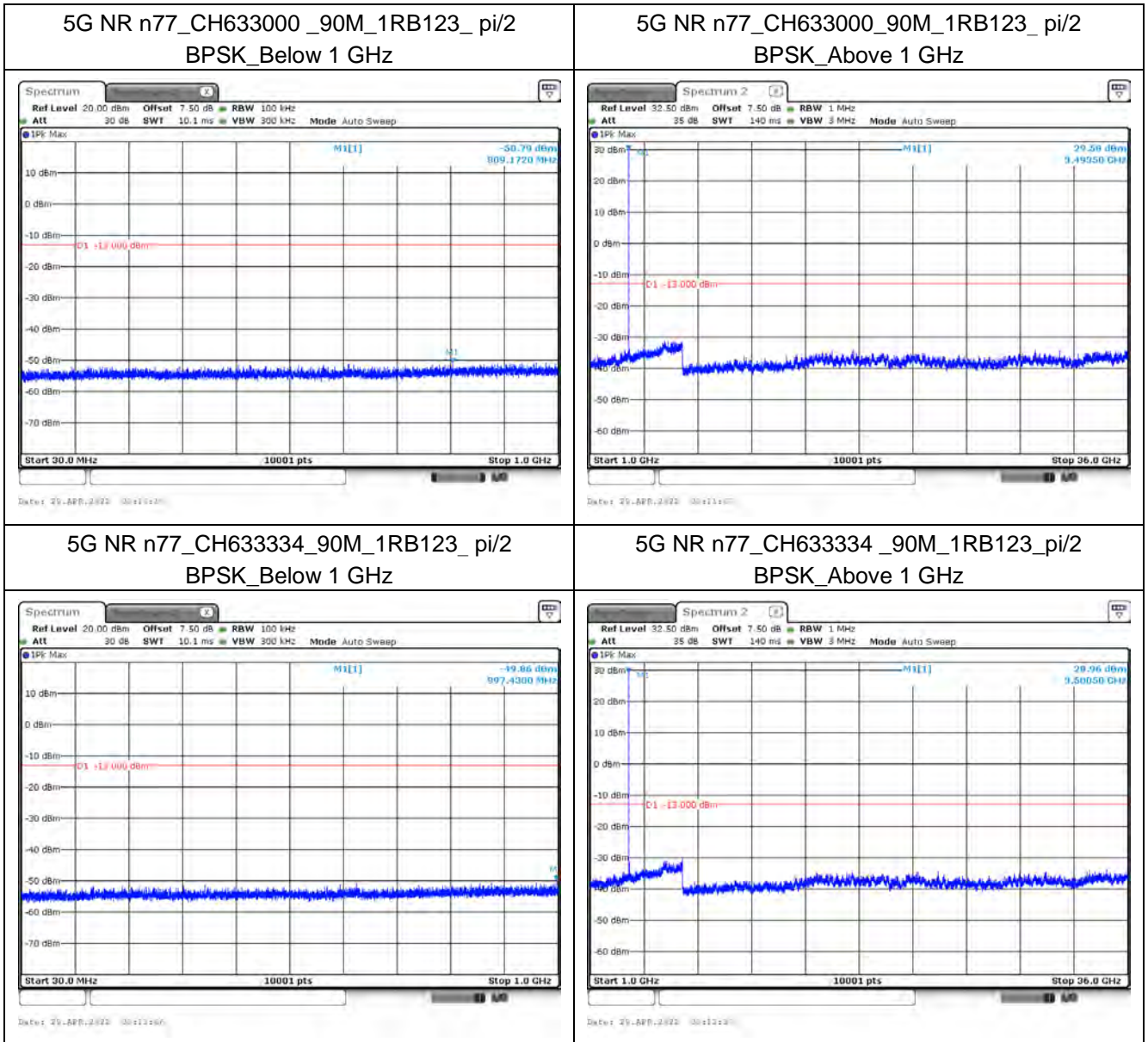


5G NR n77_CH634000_80M_1RB109_pi/2
BPSK_Below 1 GHz

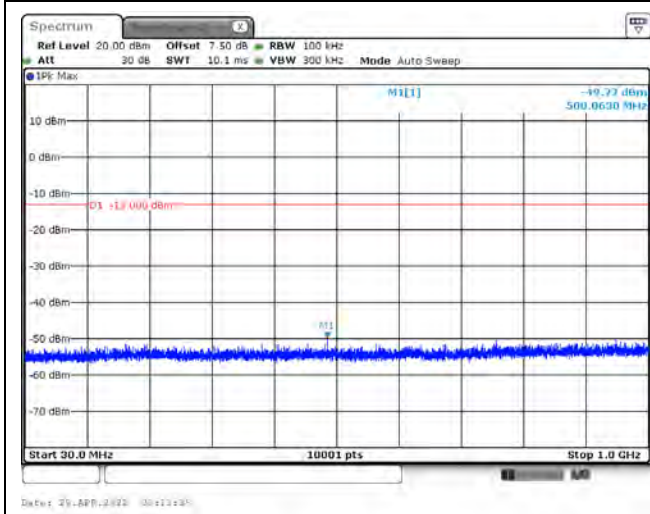


5G NR n77_CH634000_80M_1RB109_pi/2
BPSK_Above 1 GHz

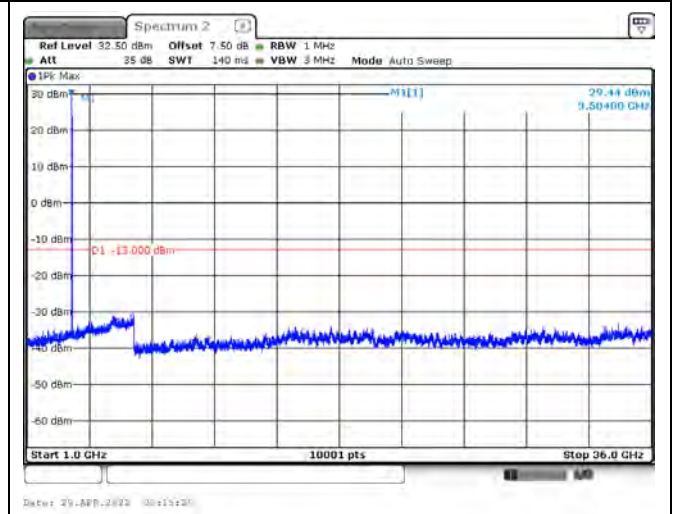


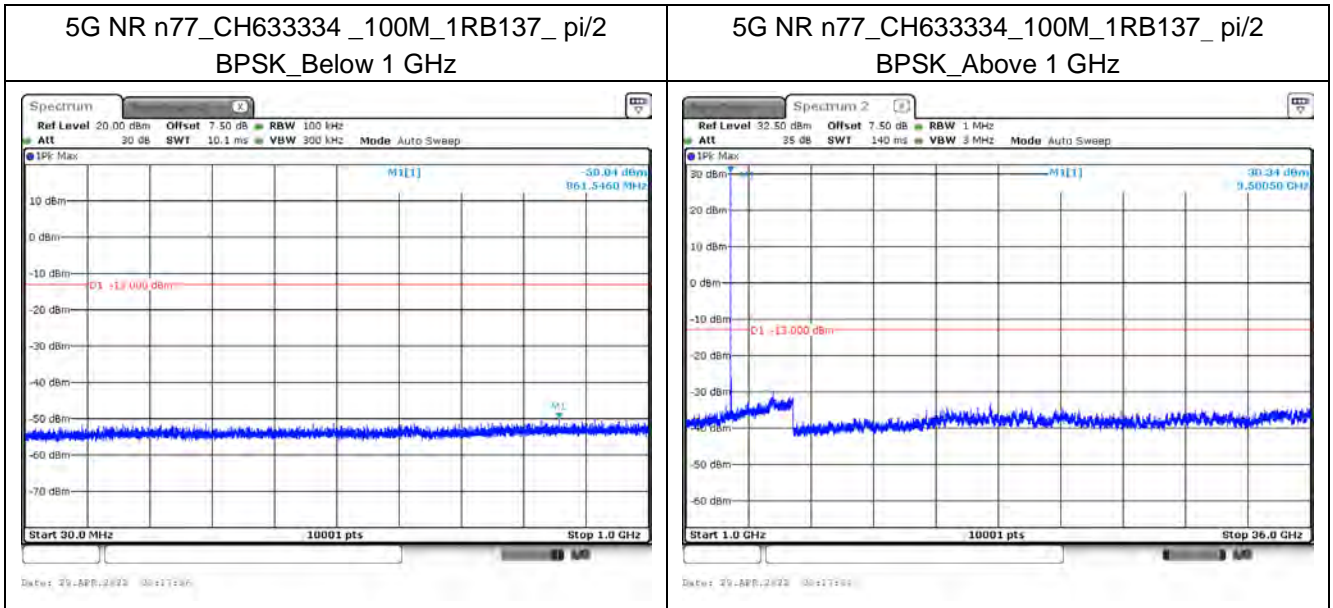


5G NR n77_CH633666_90M_1RB123_pi/2
BPSK_Below 1 GHz

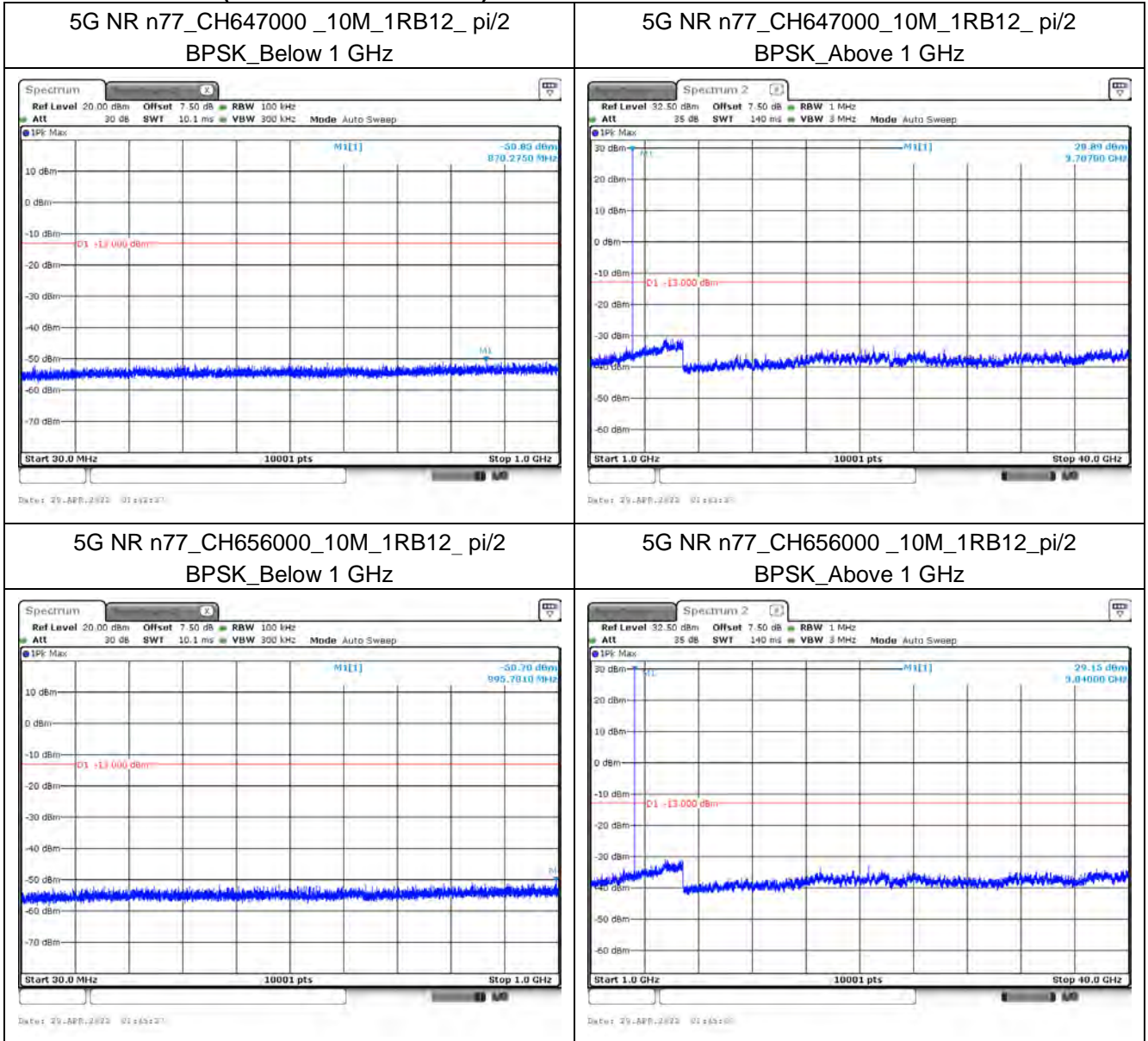


5G NR n77_CH633666_90M_1RB123_pi/2
BPSK_Above 1 GHz

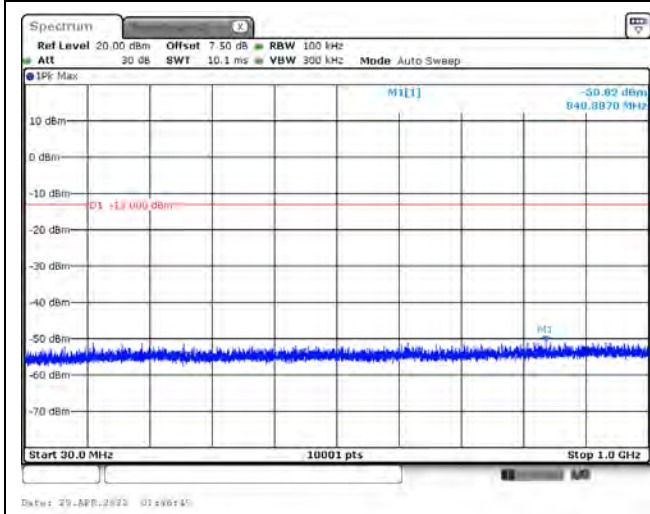




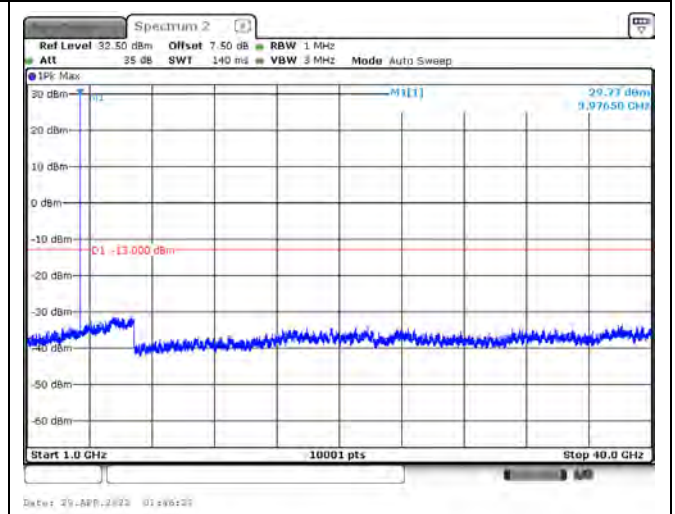
Mode 5: 5G NR n77 (Part 27 3700~3980 MHz)

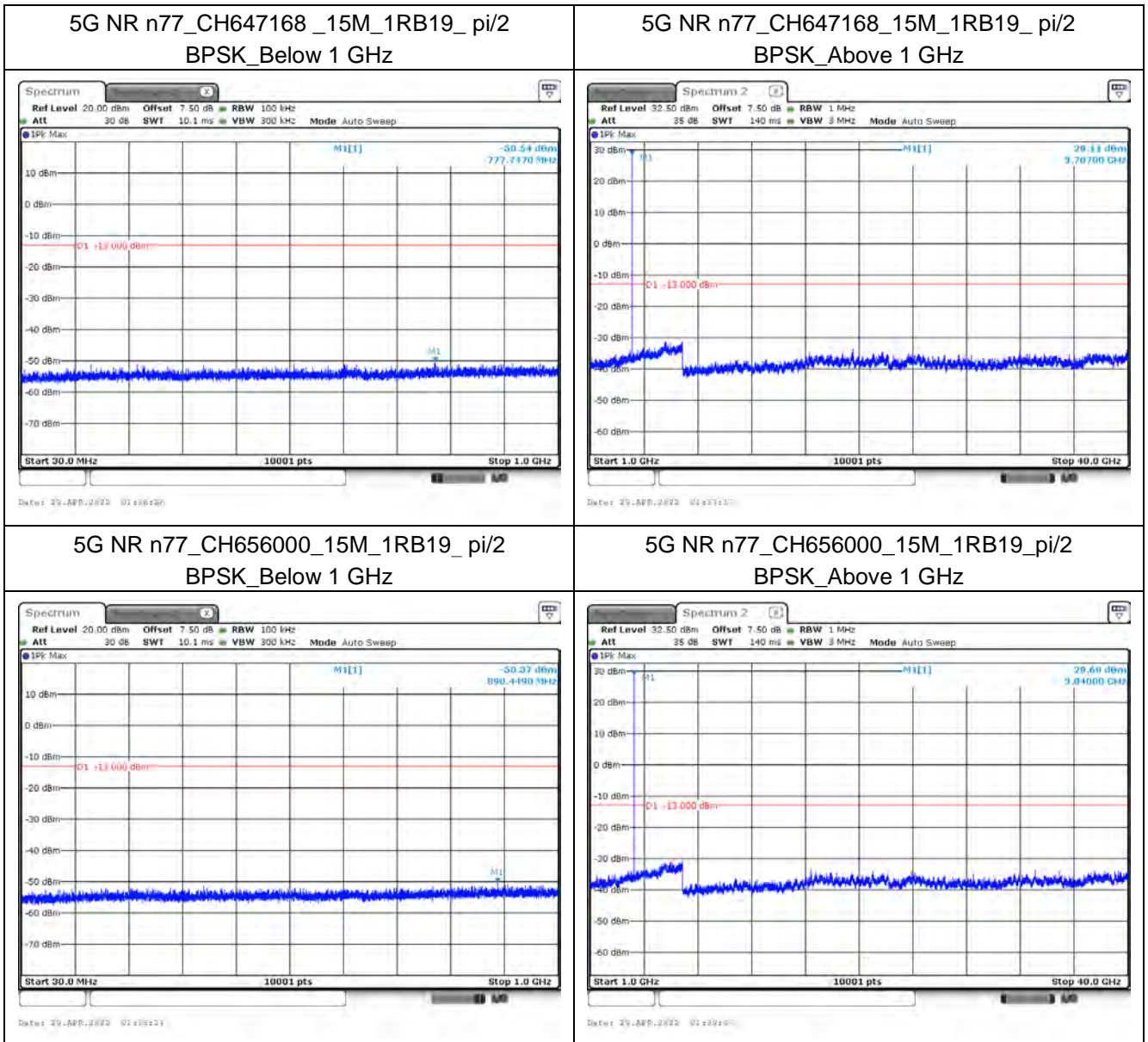


5G NR n77_CH665000_10M_1RB12_pi/2
BPSK_Below 1 GHz

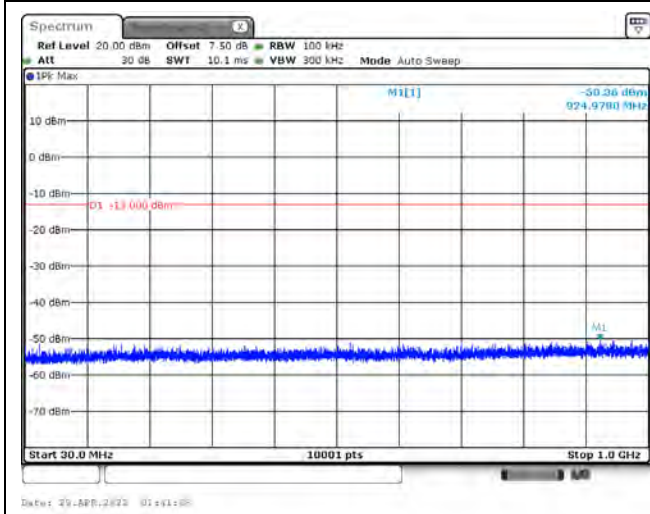


5G NR n77_CH665000_10M_1RB12_pi/2
BPSK_Above 1 GHz





5G NR n77_CH664832_15M_1RB19_pi/2
BPSK_Below 1 GHz



5G NR n77_CH664832_15M_1RB19_pi/2
BPSK_Above 1 GHz

