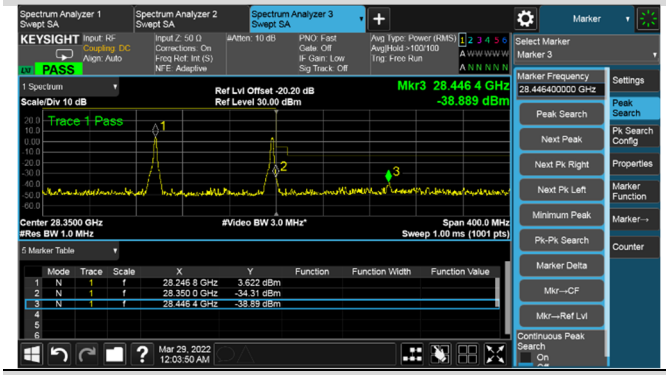
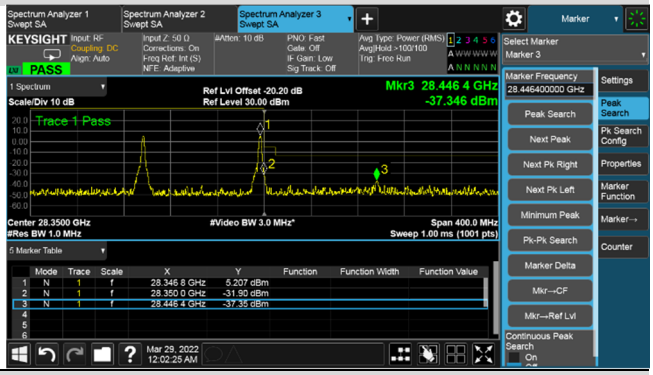
Highest Band edge: n261-BW:100MHz-2CC-QPSK-Beam ID 87

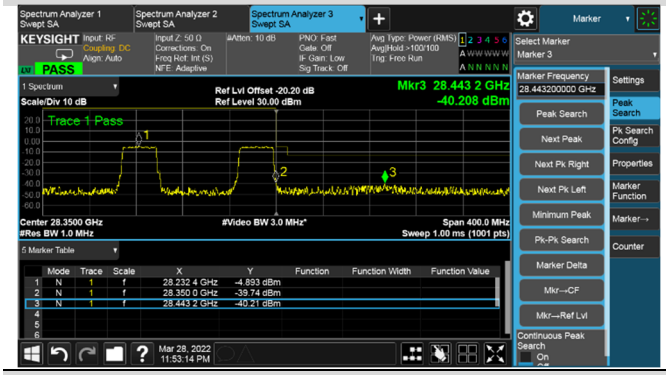
1RB65-Horizontal Polarization



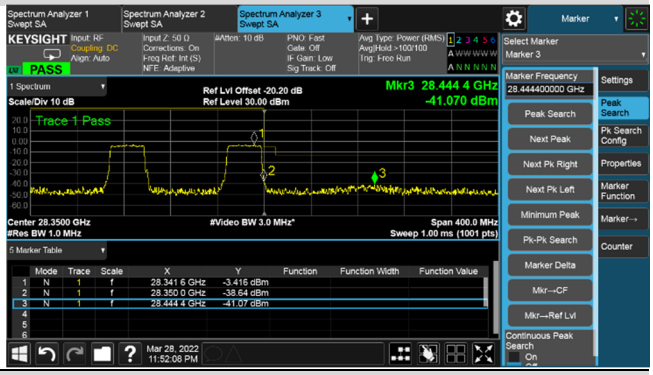
1RB65-Vertical Polarization



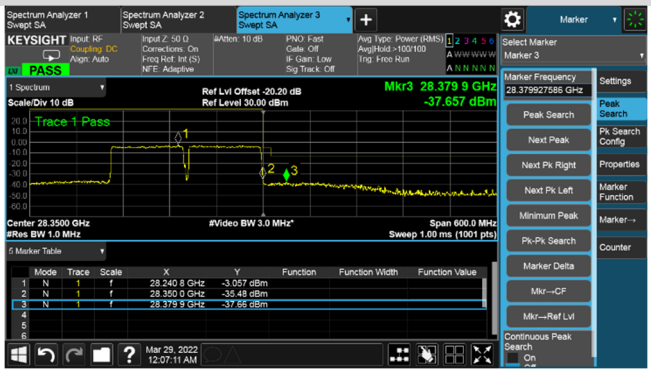
20RB46-Horizontal Polarization



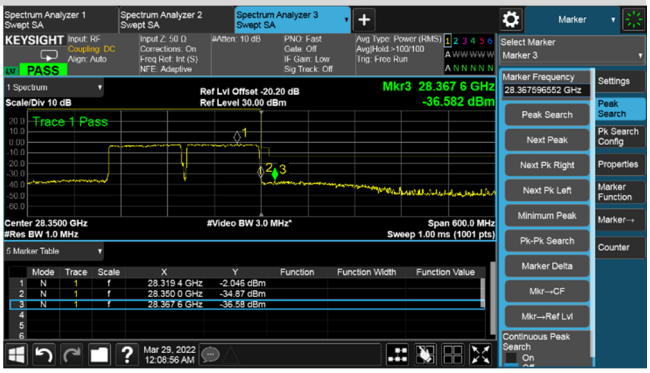
20RB46-Vertical Polarization



64RB2-Horizontal Polarization

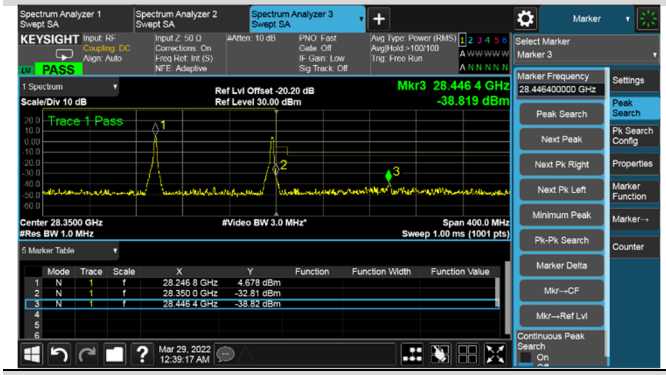


64RB2-Vertical Polarization

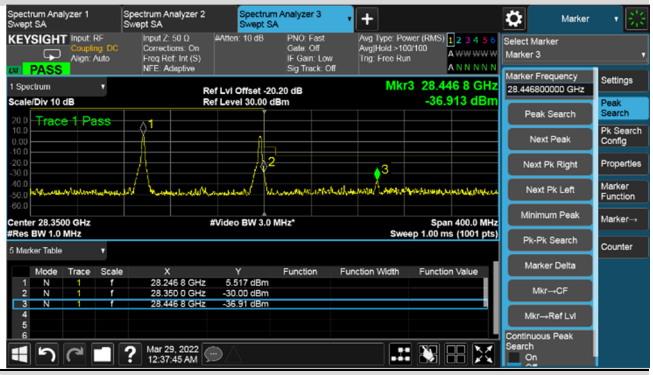


Highest Band edge: n261-BW:100MHz-2CC-QPSK-Beam ID 343

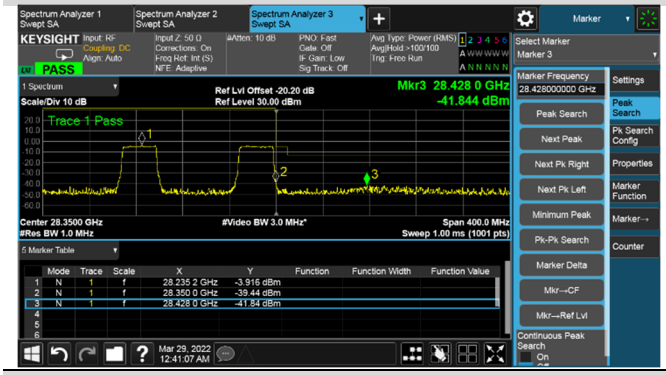
1RB65-Horizontal Polarization



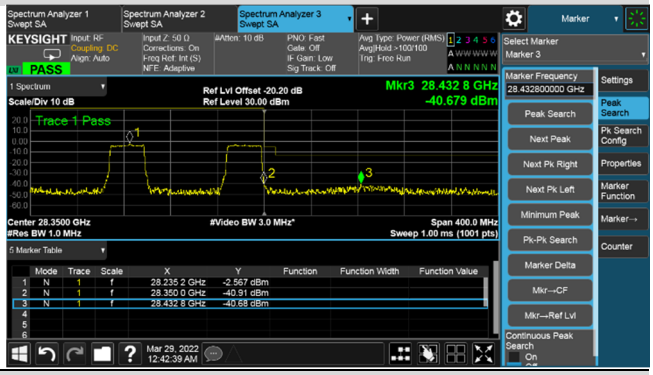
1RB65-Vertical Polarization



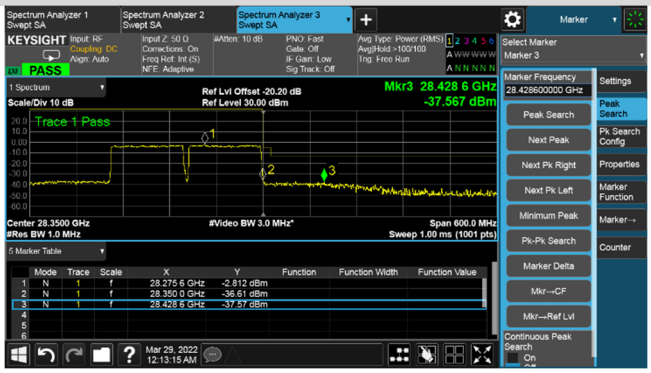
20RB46-Horizontal Polarization



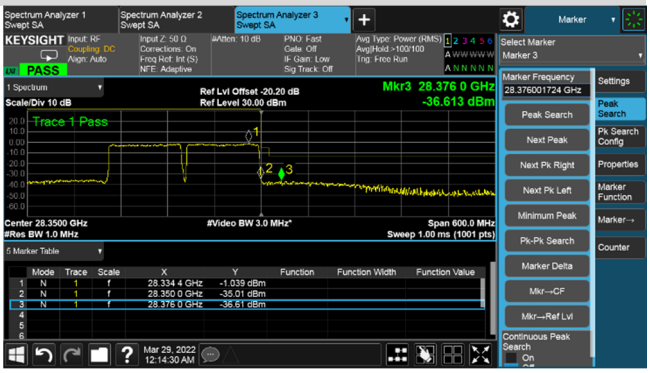
20RB46-Vertical Polarization



64RB2-Horizontal Polarization

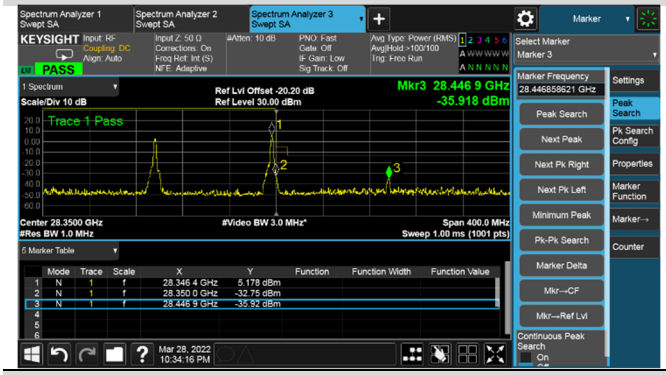


64RB2-Vertical Polarization

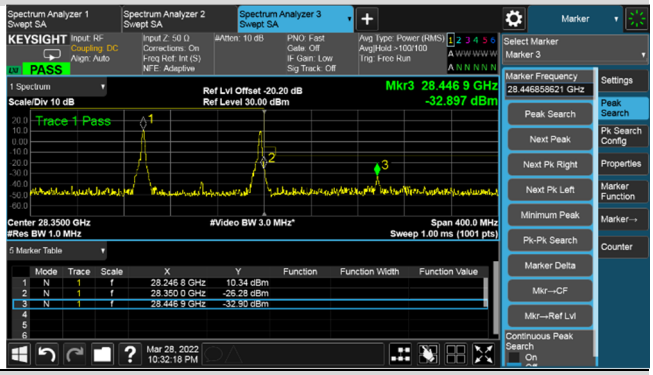


Highest Band edge: n261-BW:100MHz-2CC-QPSK-Beam ID 87+343

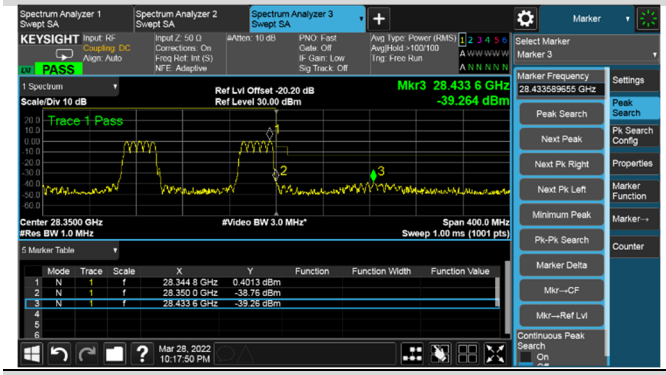
1RB65-Horizontal Polarization



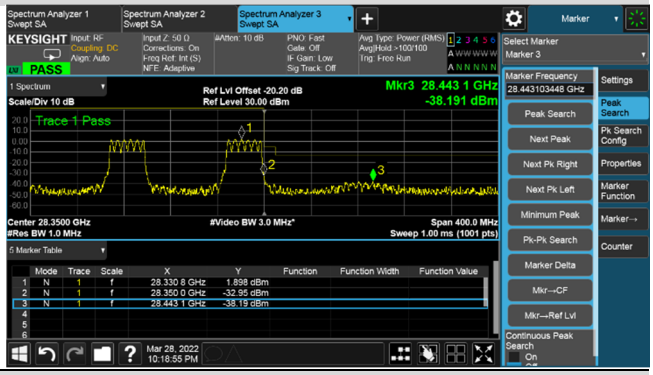
1RB65-Vertical Polarization



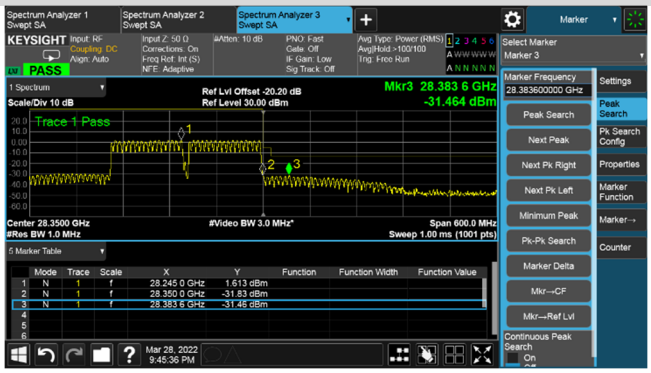
20RB46-Horizontal Polarization



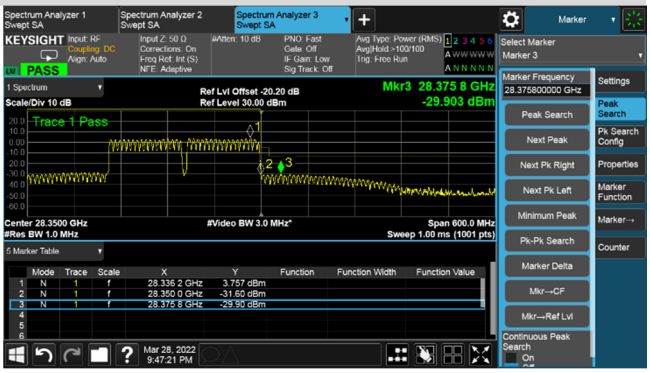
20RB46-Vertical Polarization



64RB2-Horizontal Polarization

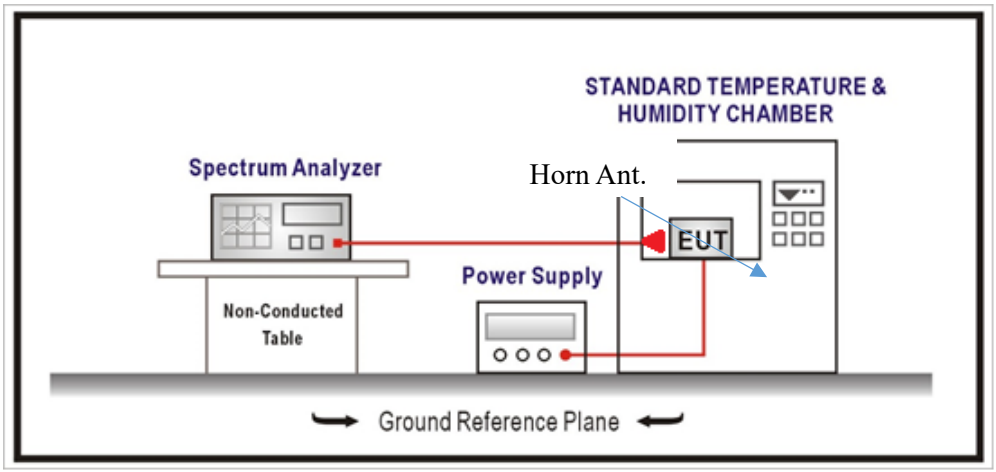


64RB2-Vertical Polarization



6. Frequency Stability

6.1. Test Setup



6.2. Limits

The fundamental emissions within the authorized frequency band by variation the temperature from -30℃ to +50℃ and variation the primary voltage from 85% to 115% of the nominal supply voltage.

6.3. Test Procedure

Frequency stability of the transmitter is measured by:

a.) Temperature: The temperature is varied from -30°C to +50°C in 10°C increments using an environmental chamber.

b.) Primary Supply Voltage: The primary supply voltage is varied from 85% to 115% of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

1. The equipment is turned on in a “standby” condition for fifteen minutes before applying power to the transmitter. Measurement of the carrier Frequency of the transmitter is made within one minute after applying power to the transmitter.

2. Frequency measurements are made at 10°C intervals ranging from -30°C to +50°C. A period of at least one half-hour is provided to allow stabilization of the equipment at each temperature level.

6.4. Test Results

Test mode	Band	n260
	Modulation	CW
	Voltage (Vac)	120
	Frequency (MHz)	38509.81409

Temperature (℃)	Voltage (Vac)	Test Frequency (MHz)	Deviation			Test Result (Pass/Fail)
			(kHz)	(%)	(PPM)	
-30	120	38510.18054	366.45	0.0009516	9.52	Pass
-20		38510.12965	315.56	0.0008194	8.19	
-10		38510.01244	198.35	0.0005151	5.15	
0		38509.92988	115.79	0.0003007	3.01	
10		38509.84434	30.25	0.0000786	0.79	
20		38509.81384	-0.25	-0.0000007	-0.01	
30		38509.67722	-136.87	-0.0003554	-3.55	
40		38509.71164	-102.45	-0.0002660	-2.66	
50		38509.68022	-133.87	-0.0003476	-3.48	

Voltage (Vac)	Test Frequency (MHz)	Deviation			Test Result (Pass/Fail)
		(kHz)	(%)	(PPM)	
138	38509.71244	-101.65	-0.0002640	-2.64	Pass
120	38509.81851	4.42	0.0000115	0.11	
102	38509.72764	-86.45	-0.0002245	-2.24	

Test mode	Band	n261
	Modulation	CW
	Voltage (Vac)	120
	Frequency (MHz)	27550.08

Temperature (℃)	Voltage (Vac)	Test Frequency (MHz)	Deviation			Test Result (Pass/Fail)
			(kHz)	(%)	(PPM)	
-30	120	27550.075	-5	-0.0000181	-0.18	Pass
-20		27550.101	21	0.0000762	0.76	
-10		27550.081	1	0.0000036	0.04	
0		27550.123	43	0.0001561	1.56	
10		27550.137	57	0.0002069	2.07	
20		27550.083	3	0.0000109	0.11	
30		27550.136	56	0.0002033	2.03	
40		27550.067	-13	-0.0000472	-0.47	
50		27550.055	-25	-0.0000907	-0.91	

Voltage (Vac)	Test Frequency (MHz)	Deviation			Test Result (Pass/Fail)
		(kHz)	(%)	(PPM)	
138	27550.091	11	0.00003993	0.40	Pass
120	27550.084	4	0.00001452	0.15	
102	27550.077	-3	-0.00001089	-0.11	