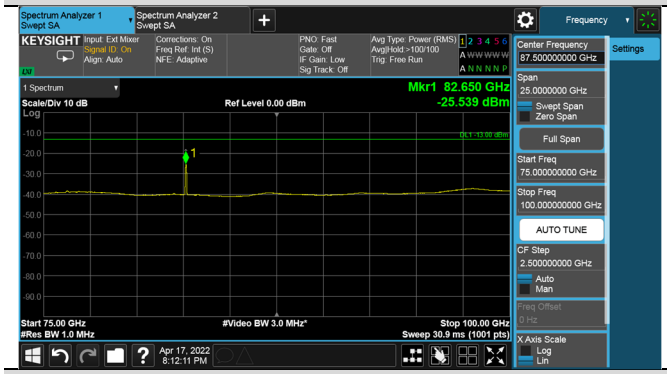
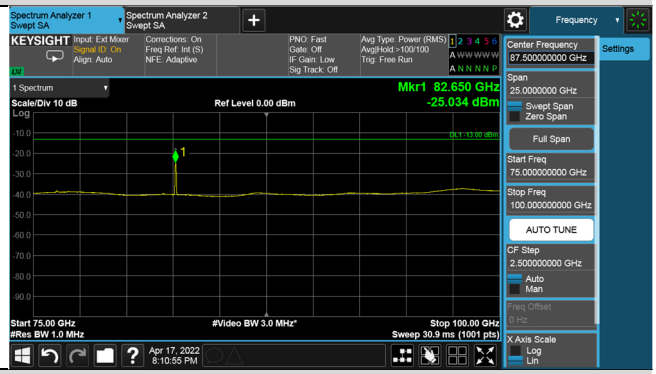
n261:1CC-BW100MHz-RSE 75GHz to 100GHz - Beam ID 343

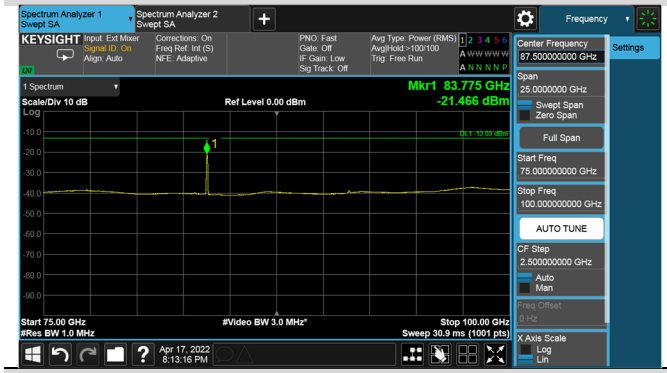
20RB22-Low Channel-Horizontal Polarization



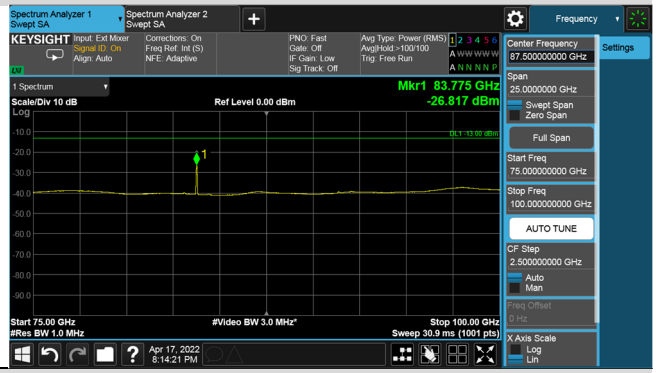
20RB22-Low Channel-Vertical Polarization



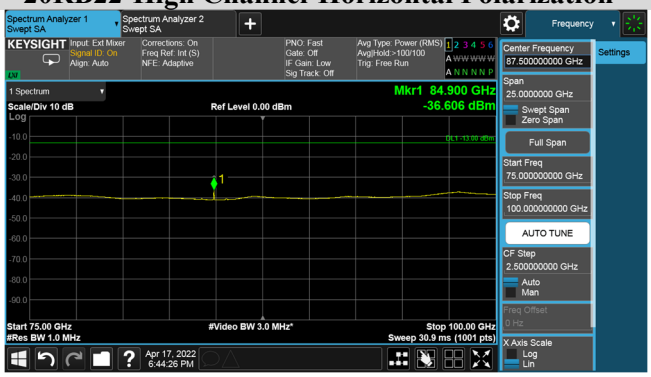
20RB22-Middle Channel-Horizontal Polarization



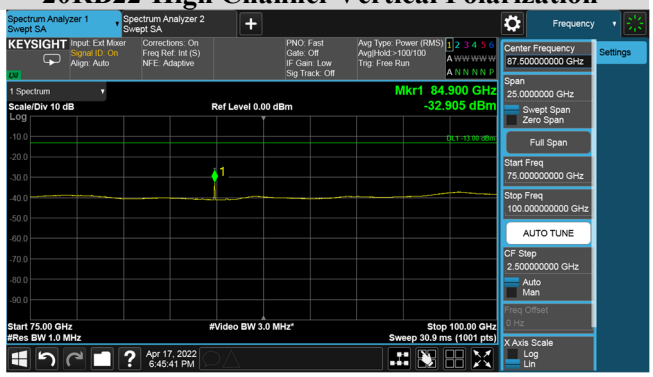
20RB22-Middle Channel-Vertical Polarization



20RB22-High Channel-Horizontal Polarization

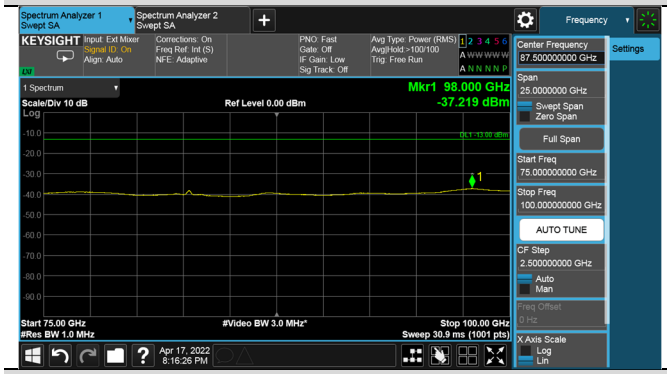


20RB22-High Channel-Vertical Polarization

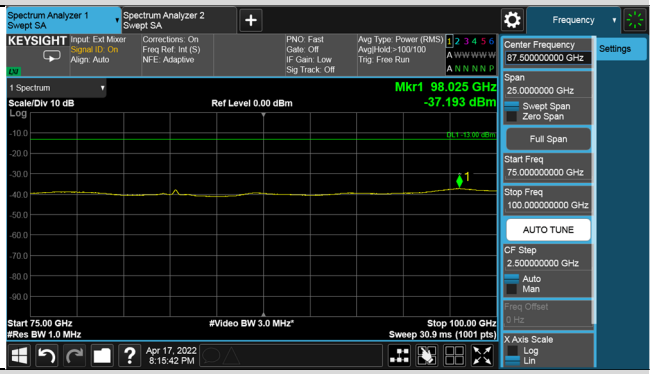


n261:2CC-BW100MHz-RSE 75GHz to 100GHz - Beam ID 343

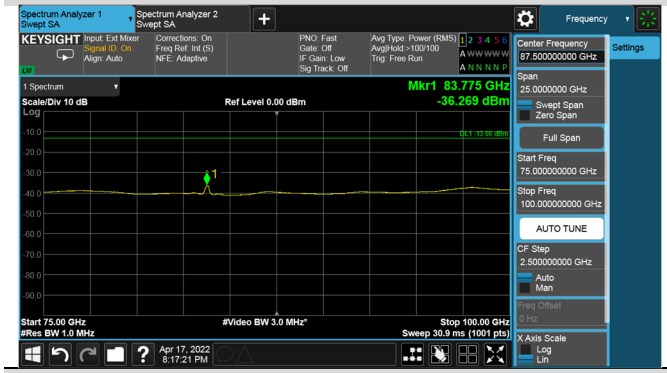
Full RB-Low Channel-Horizontal Polarization



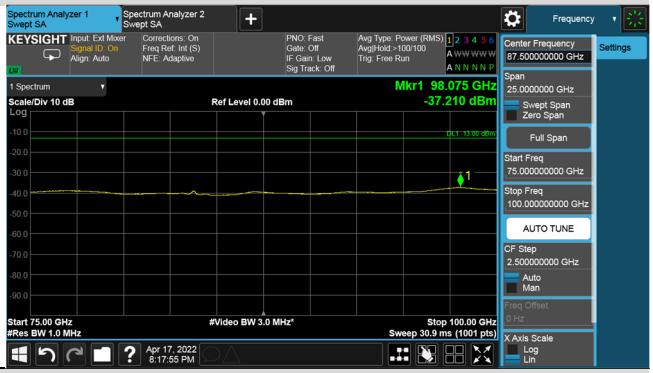
Full RB-Low Channel-Vertical Polarization



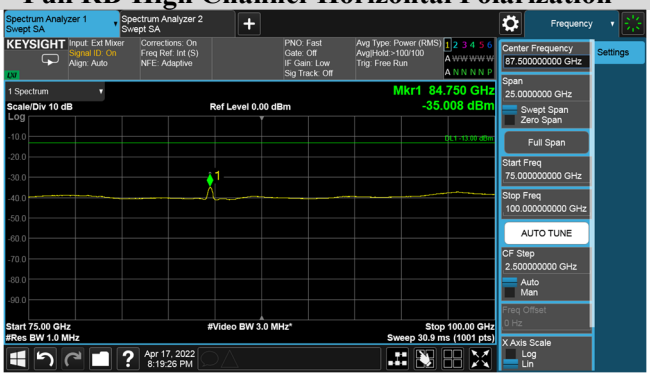
Full RB-Middle Channel-Horizontal Polarization



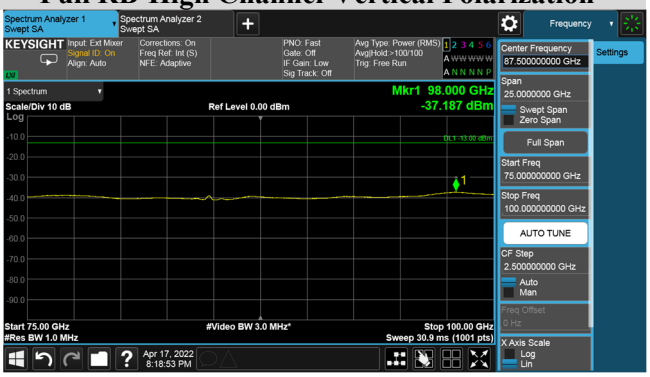
Full RB-Middle Channel-Vertical Polarization



Full RB-High Channel-Horizontal Polarization

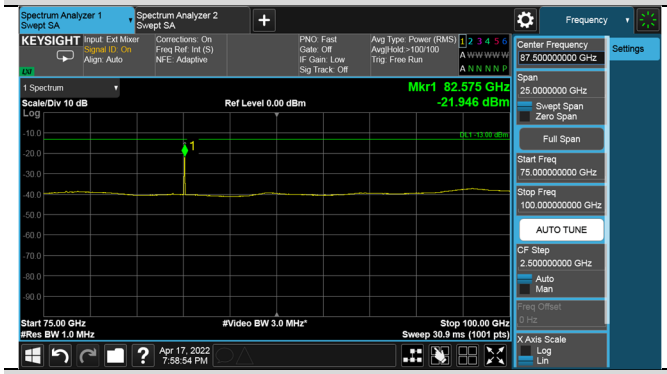


Full RB-High Channel-Vertical Polarization

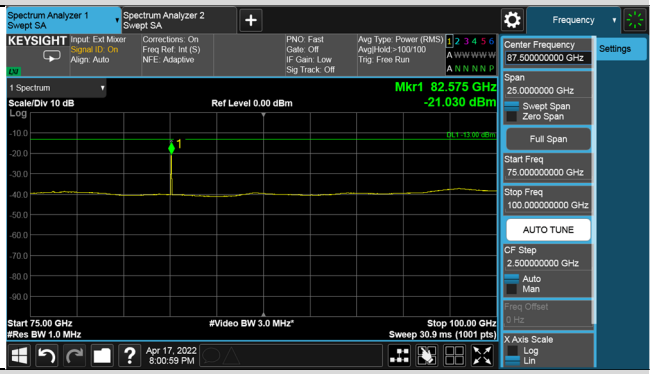


n261:1CC-BW50MHz-RSE 75GHz to 100GHz - Beam ID 87+343

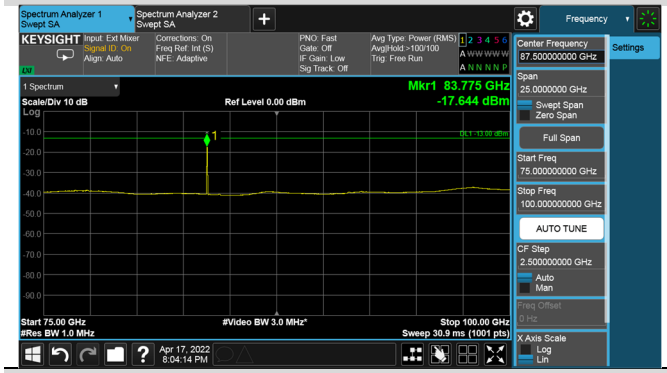
10RB11-Low Channel-Horizontal Polarization



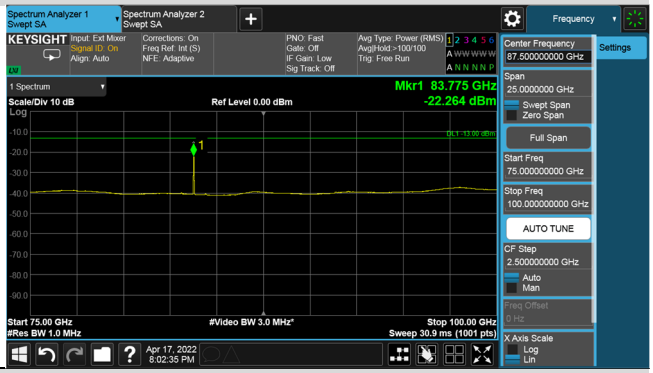
10RB11-Low Channel-Vertical Polarization



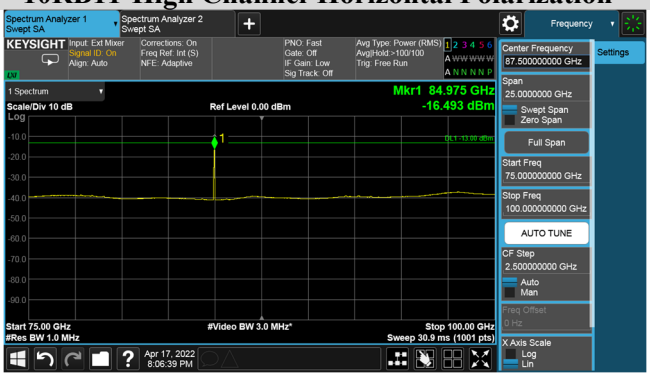
10RB11-Middle Channel-Horizontal Polarization



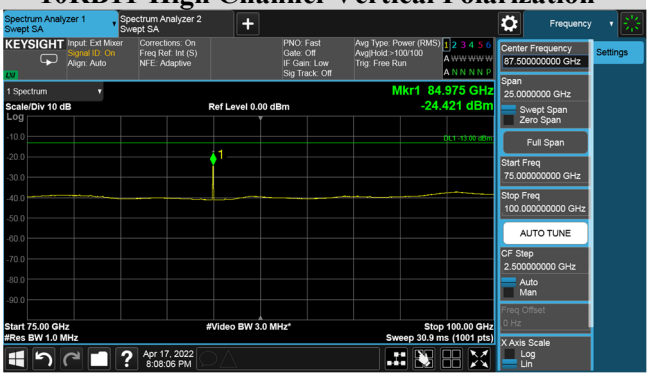
10RB11-Middle Channel-Vertical Polarization



10RB11-High Channel-Horizontal Polarization

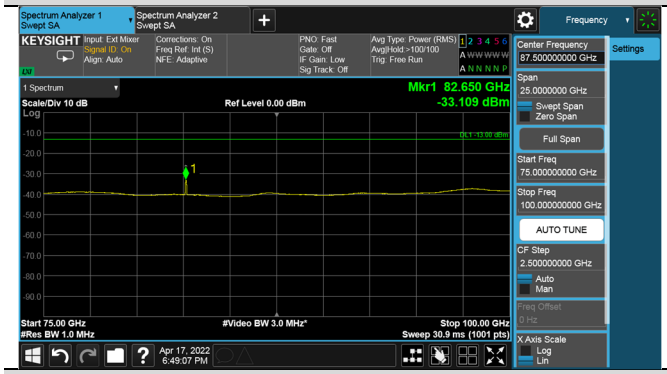


10RB11-High Channel-Vertical Polarization

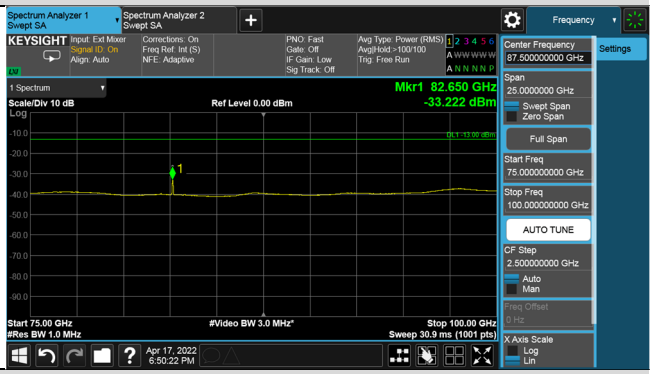


n261:1CC-BW100MHz-RSE 75GHz to 100GHz - Beam ID 87+343

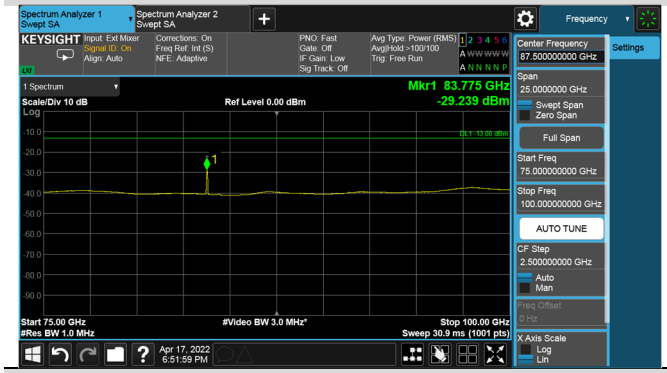
20RB22-Low Channel-Horizontal Polarization



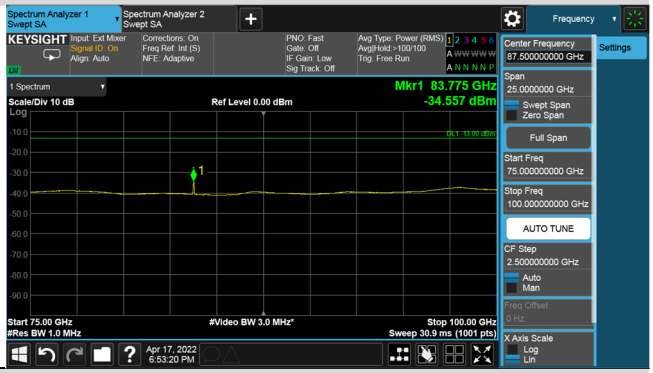
20RB22-Low Channel-Vertical Polarization



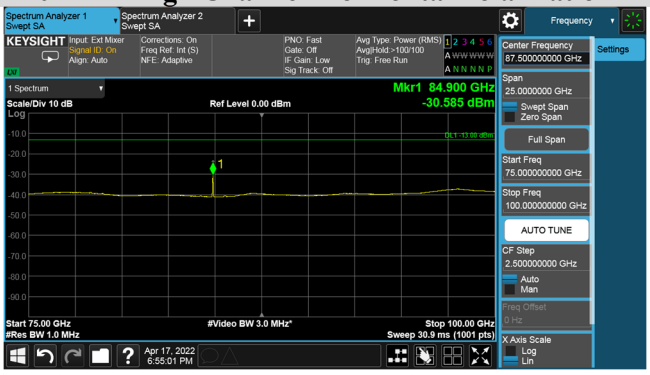
20RB22-Middle Channel-Horizontal Polarization



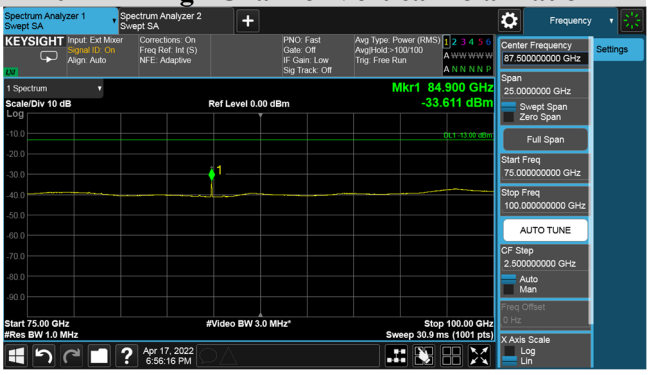
20RB22-Middle Channel-Vertical Polarization



20RB22-High Channel-Horizontal Polarization

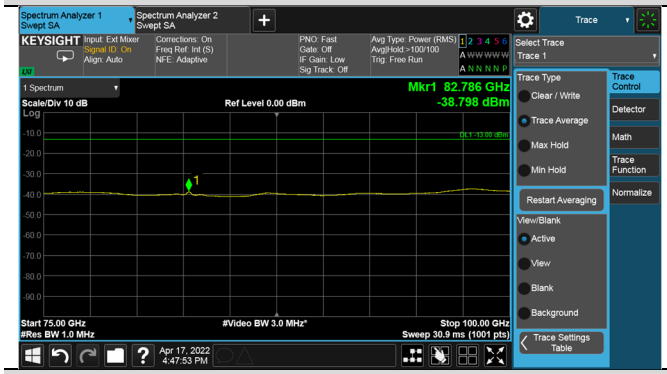


20RB22-High Channel-Vertical Polarization

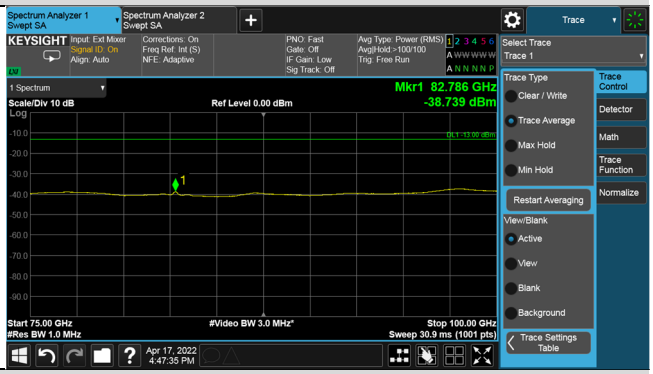


n261:2CC-BW100MHz-RSE 75GHz to 100GHz - Beam ID 87+343

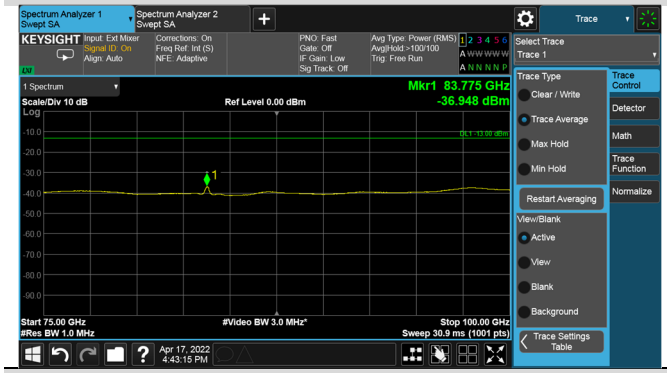
Full RB-Low Channel-Horizontal Polarization



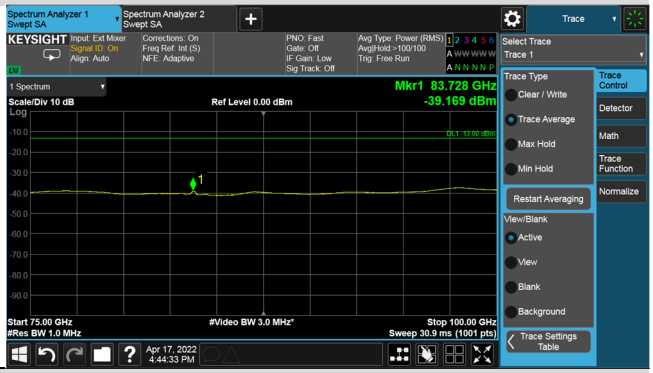
Full RB-Low Channel-Vertical Polarization



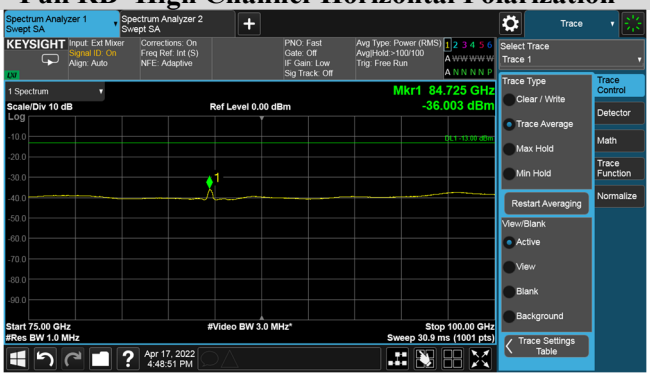
Full RB-Middle Channel-Horizontal Polarization



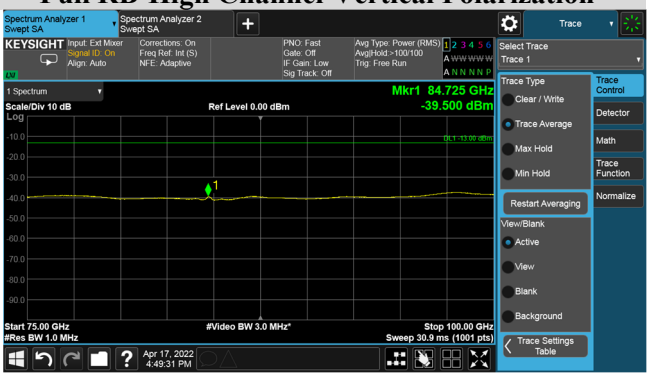
Full RB-Middle Channel-Vertical Polarization



Full RB -High Channel-Horizontal Polarization

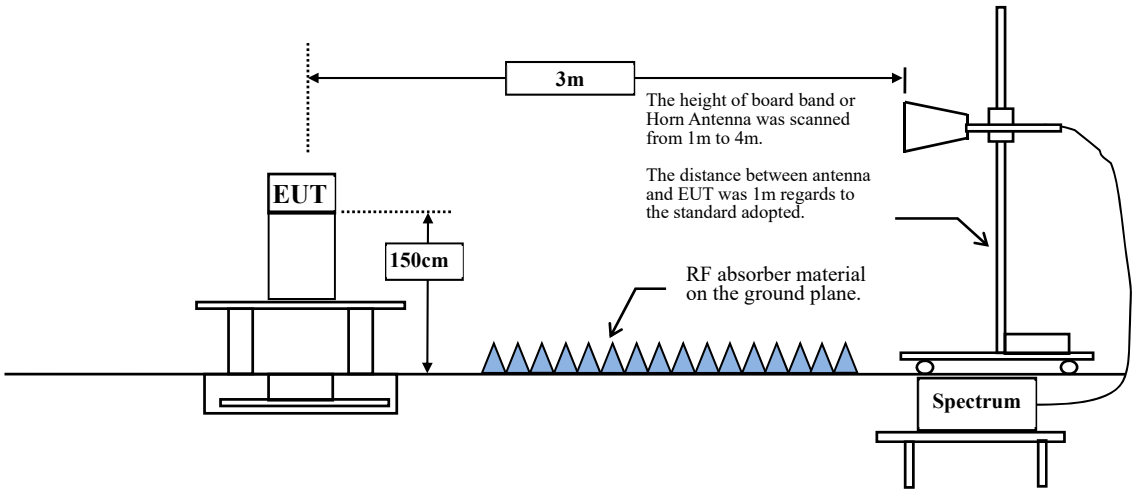


Full RB-High Channel-Vertical Polarization



5. Band Edge

5.1. Test Setup



5.2. Limits

The conductive power or the total radiated power of any emission outside a licensee's frequency block shall be −13 dBm/MHz or lower. However, in the bands immediately outside and adjacent to the licensee's frequency block, having a bandwidth equal to 10 percent of the channel bandwidth, the conductive power or the total radiated power of any emission shall be −5 dBm/MHz or lower.

5.3. Test Procedure

The EUT and its simulators are placed on a turn table which is 1.5 meter above ground. The turn table can rotate 360 degrees to determine the axis of the maximum emission level.
The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level. Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10:2013 or C63.4: 2014 on radiated measurement.

Spectrum setting:

1. Start and stop frequency was set such that both lowest and highest band edges are measured.
2. Span = set to large enough so as to measure all out of band emissions near the band edge.
3. Detector = RMS
4. Trace mode = trace average
5. Sweep time = auto couple
6. Number of sweep points ≥ 2 x Span/RBW
7. The trace was allowed to stabilize
8. RBW = 1MHz, VBW = 3MHz
9. Antnena Gain at Band Edege:

Test Band	Frequency (GHz)	Antenna Gain (dBi)
n260	37	19.8
	40	21.6
n261	27.5	19.9
	28.35	20.2

5.4. Test Results

Lowest Band edge (n260-1CC-50 MHz)

Bandwidth (MHz)	CC	Modulation	Band edge	Beam ID	Resource block (RB)	Frequency Range (MHz)	Ant. Pol. (H/V)	EIRP (dBm)	Array Gain (dBi)	Conductive Power (dBm)	Limit (dBm)	Margin (dB)
50	1	BPSK	Lowest	87	1RB0	36995-37000	H	-11.91	19.80	-31.71	-5	-22.62
							V	-7.82	19.80	-27.62		
						<=36995	H	-18.28	19.80	-38.08	-13	-24.59
							V	-17.79	19.80	-37.59		
					10RB0	36995-37000	H	-11.18	19.80	-30.98	-5	-24.02
							V	-9.22	19.80	-29.02		
						<=36995	H	-16.24	19.80	-36.04	-13	-20.70
							V	-13.90	19.80	-33.70		
					30RB0	36995-37000	H	-16.78	19.80	-36.58	-5	-26.68
							V	-11.88	19.80	-31.68		
						<=36995	H	-16.67	19.80	-36.47	-13	-22.19
							V	-15.39	19.80	-35.19		
				373	1RB0	36995-37000	H	-13.30	19.80	-33.10	-5	-24.11
							V	-9.31	19.80	-29.11		
						<=36995	H	-17.18	19.80	-36.98	-13	-20.85
							V	-14.05	19.80	-33.85		
					10RB0	36995-37000	H	-9.60	19.80	-29.40	-5	-24.40
							V	-9.81	19.80	-29.61		
						<=36995	H	-14.24	19.80	-34.04	-13	-20.76
							V	-13.96	19.80	-33.76		
					30RB0	36995-37000	H	-10.49	19.80	-30.29	-5	-25.29
							V	-11.68	19.80	-31.48		
						<=36995	H	-15.42	19.80	-35.22	-13	-22.22
							V	-15.69	19.80	-35.49		
				87+343	1RB0	36995-37000	H	-5.84	19.80	-25.64	-5	-20.50
							V	-5.70	19.80	-25.50		
						<=36995	H	-14.59	19.80	-34.39	-13	-21.39
							V	-16.45	19.80	-36.25		
					10RB0	36995-37000	H	-4.89	19.80	-24.69	-5	-19.69
							V	-5.01	19.80	-24.81		
						<=36995	H	-12.75	19.80	-32.55	-13	-18.83
							V	-12.03	19.80	-31.83		
					30RB0	36995-37000	H	-8.00	19.80	-27.80	-5	-21.78
							V	-6.98	19.80	-26.78		
						<=36995	H	-15.87	19.80	-35.67	-13	-22.67
							V	-17.01	19.80	-36.81		