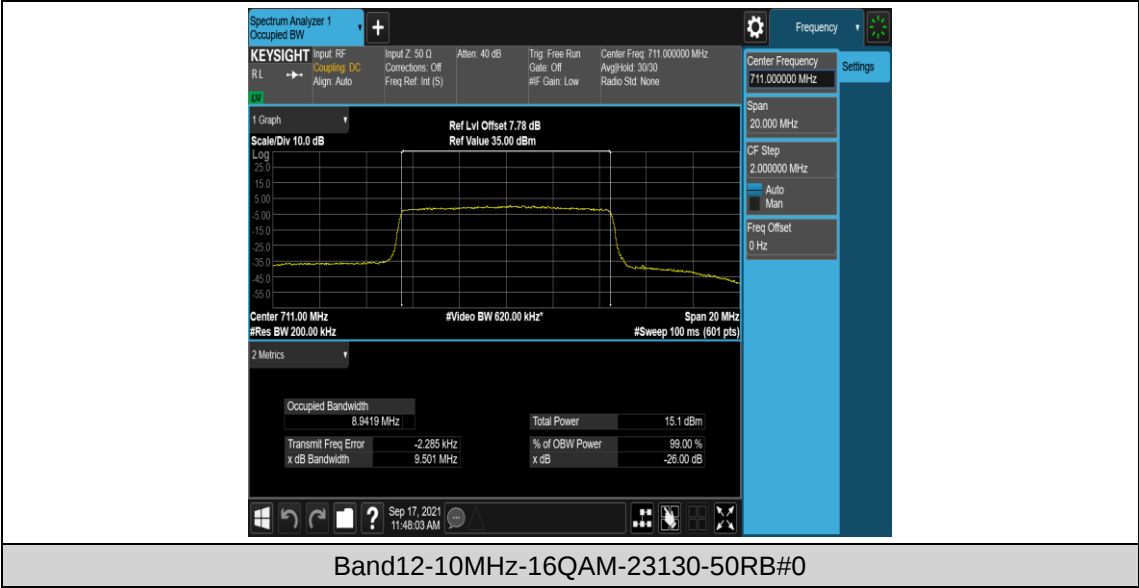










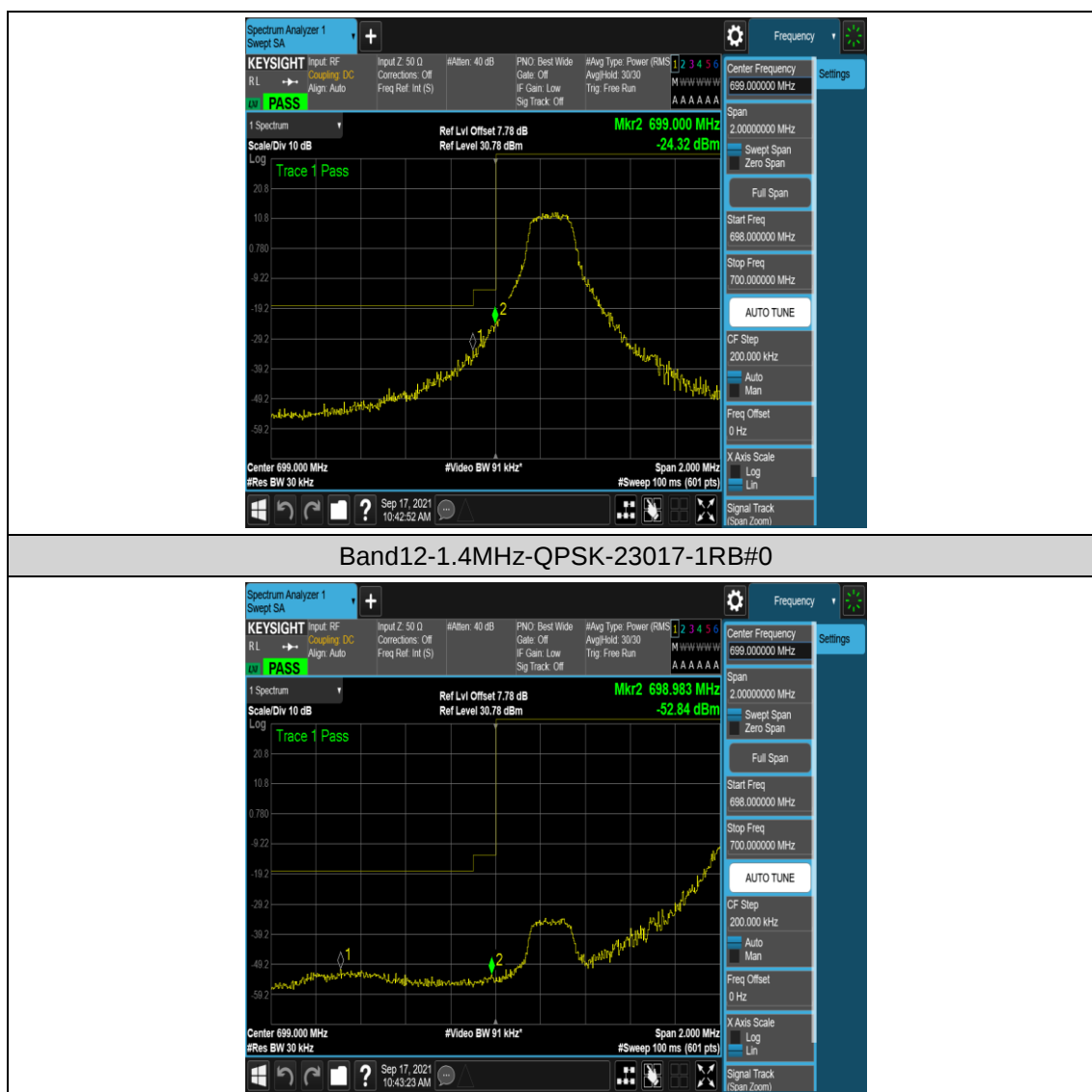
Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	PASS
Band12	3MHz	QPSK	23025	1RB#0	PASS
Band12	3MHz	QPSK	23025	1RB#14	PASS
Band12	3MHz	QPSK	23025	15RB#0	PASS
Band12	3MHz	QPSK	23165	1RB#0	PASS
Band12	3MHz	QPSK	23165	1RB#14	PASS
Band12	3MHz	QPSK	23165	15RB#0	PASS
Band12	3MHz	16QAM	23025	1RB#0	PASS
Band12	3MHz	16QAM	23025	1RB#14	PASS
Band12	3MHz	16QAM	23025	15RB#0	PASS
Band12	3MHz	16QAM	23165	1RB#0	PASS
Band12	3MHz	16QAM	23165	1RB#14	PASS
Band12	3MHz	16QAM	23165	15RB#0	PASS
Band12	5MHz	QPSK	23035	1RB#0	PASS
Band12	5MHz	QPSK	23035	1RB#24	PASS
Band12	5MHz	QPSK	23035	25RB#0	PASS
Band12	5MHz	QPSK	23155	1RB#0	PASS
Band12	5MHz	QPSK	23155	1RB#24	PASS
Band12	5MHz	QPSK	23155	25RB#0	PASS
Band12	5MHz	16QAM	23035	1RB#0	PASS
Band12	5MHz	16QAM	23035	1RB#24	PASS
Band12	5MHz	16QAM	23035	25RB#0	PASS
Band12	5MHz	16QAM	23155	1RB#0	PASS
Band12	5MHz	16QAM	23155	1RB#24	PASS

Band12	5MHz	16QAM	23155	25RB#0	PASS
Band12	10MHz	QPSK	23060	1RB#0	PASS
Band12	10MHz	QPSK	23060	1RB#49	PASS
Band12	10MHz	QPSK	23060	50RB#0	PASS
Band12	10MHz	QPSK	23130	1RB#0	PASS
Band12	10MHz	QPSK	23130	1RB#49	PASS
Band12	10MHz	QPSK	23130	50RB#0	PASS
Band12	10MHz	16QAM	23060	1RB#0	PASS
Band12	10MHz	16QAM	23060	1RB#49	PASS
Band12	10MHz	16QAM	23060	50RB#0	PASS
Band12	10MHz	16QAM	23130	1RB#0	PASS
Band12	10MHz	16QAM	23130	1RB#49	PASS
Band12	10MHz	16QAM	23130	50RB#0	PASS

Test Graphs



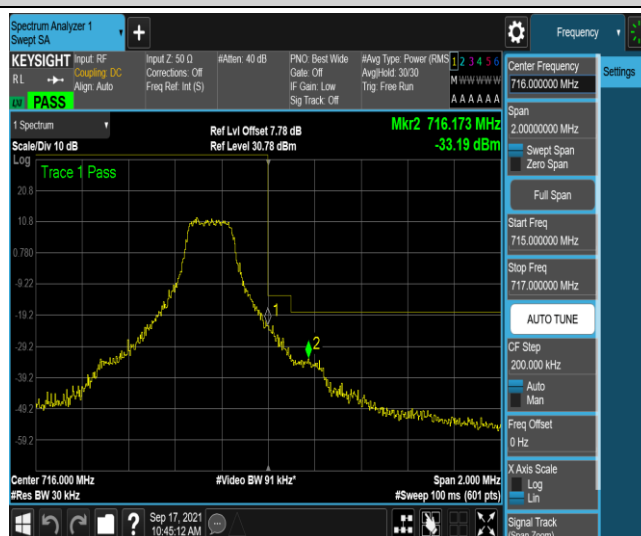
Band12-1.4MHz-QPSK-23017-1RB#5



Band12-1.4MHz-QPSK-23017-6RB#0



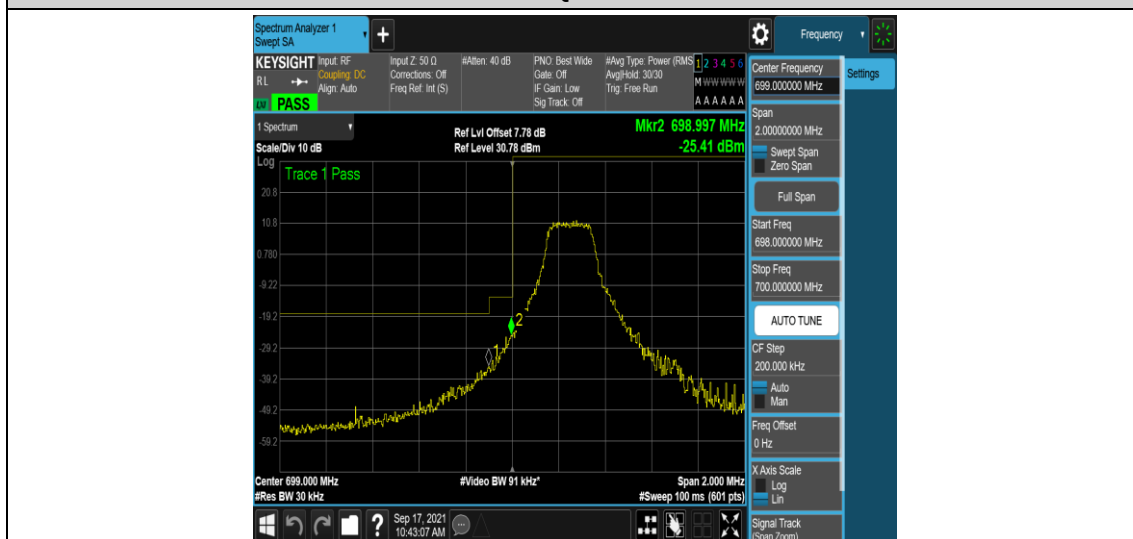
Band12-1.4MHz-QPSK-23173-1RB#0



Band12-1.4MHz-QPSK-23173-1RB#5



Band12-1.4MHz-QPSK-23173-6RB#0



Band12-1.4MHz-16QAM-23017-1RB#0



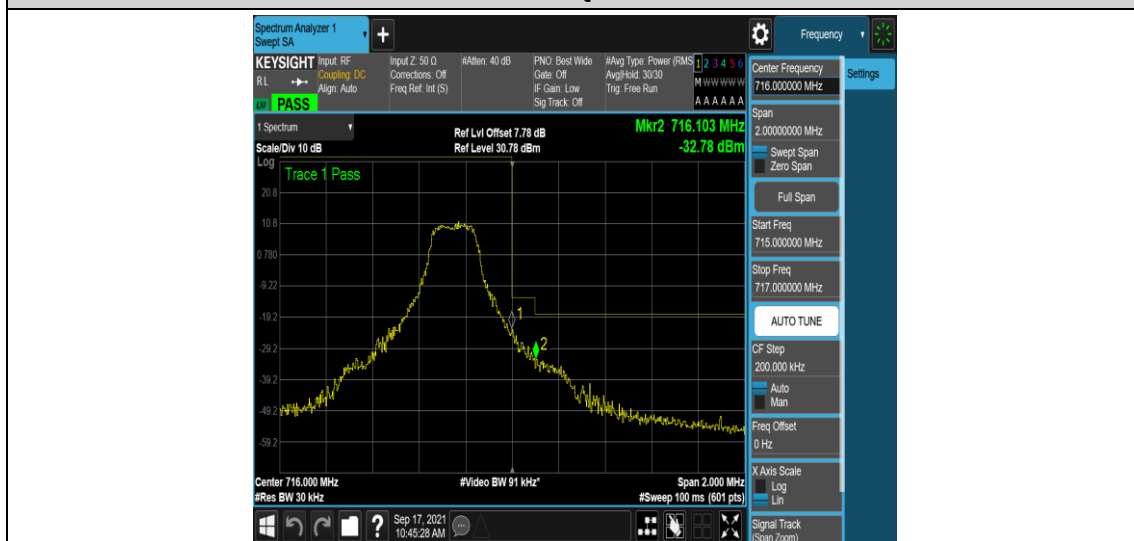
Band12-1.4MHz-16QAM-23017-1RB#5



Band12-1.4MHz-16QAM-23017-6RB#0



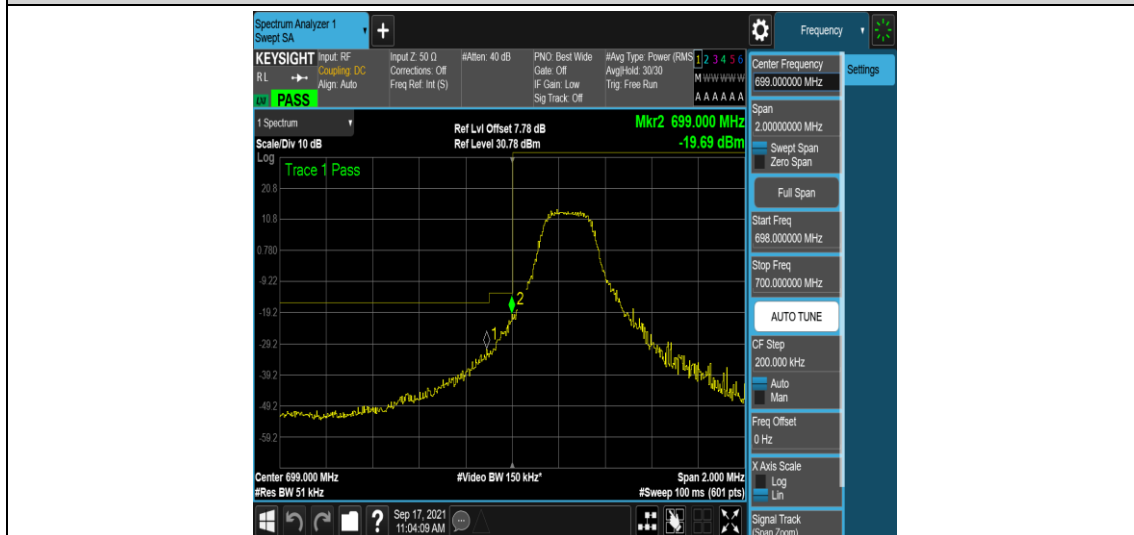
Band12-1.4MHz-16QAM-23173-1RB#0



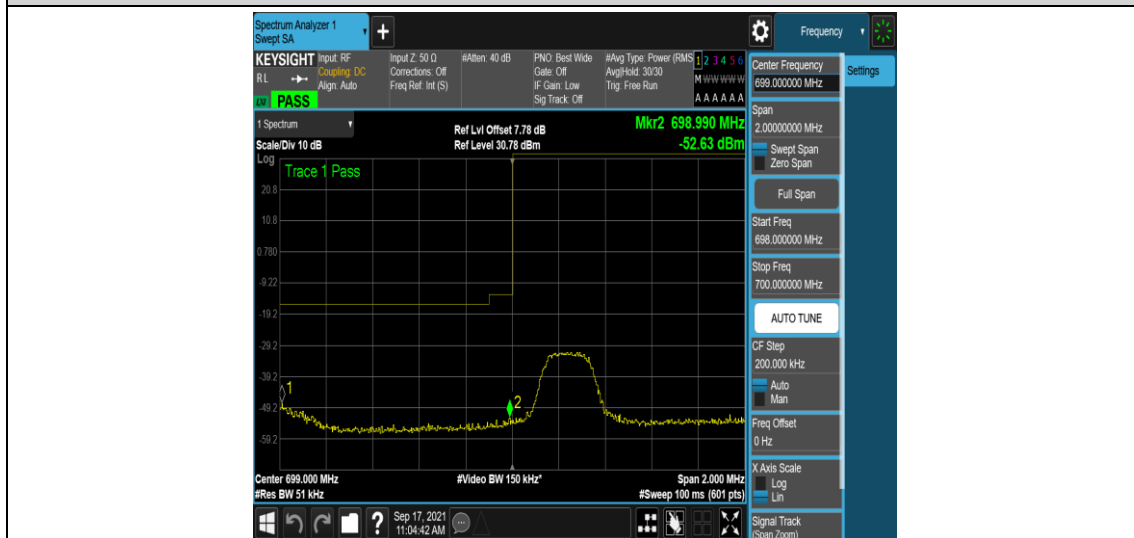
Band12-1.4MHz-16QAM-23173-1RB#5



Band12-1.4MHz-16QAM-23173-6RB#0



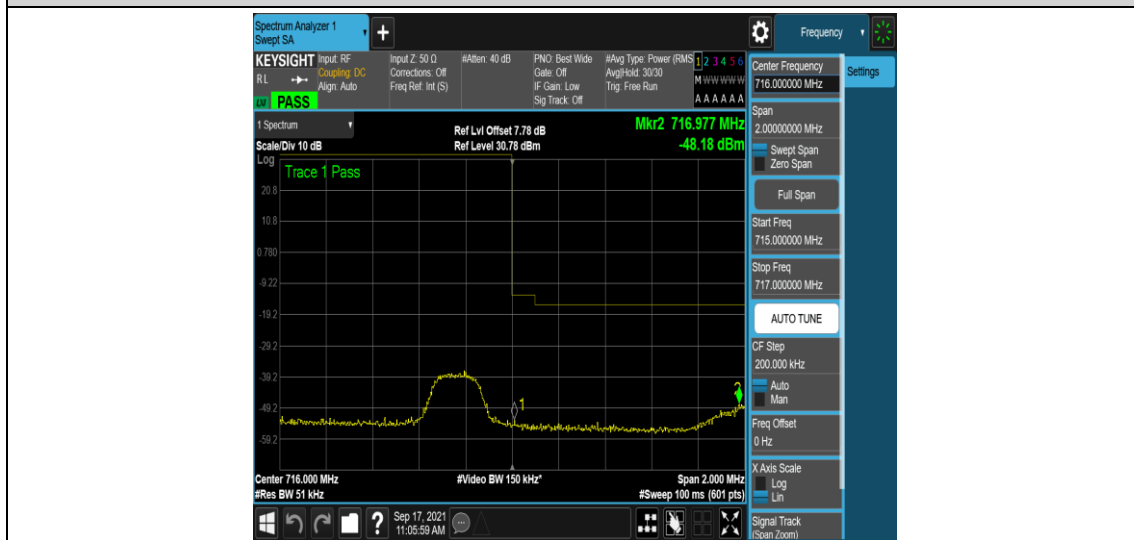
Band12-3MHz-QPSK-23025-1RB#0



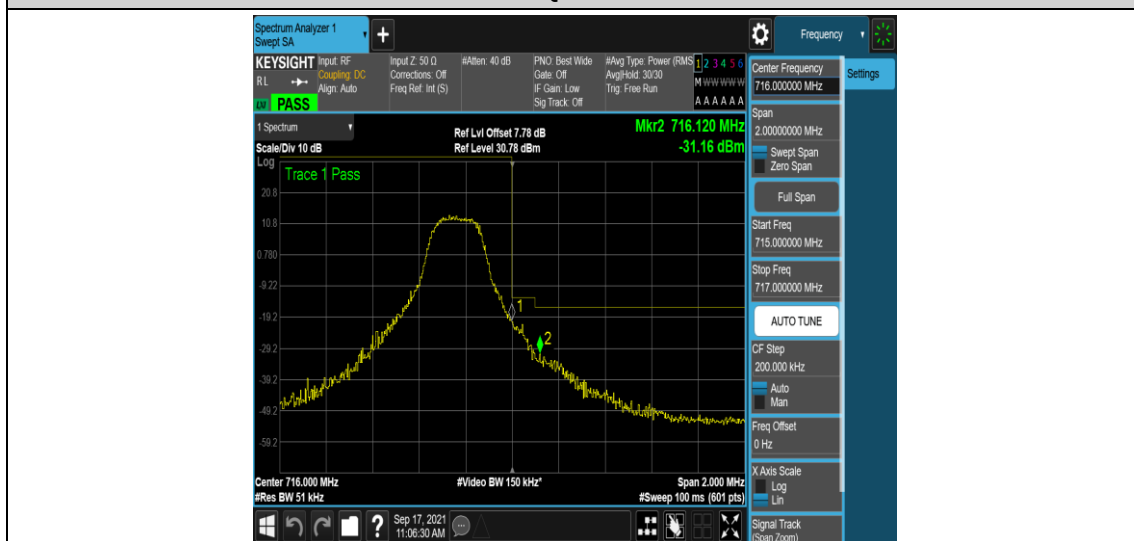
Band12-3MHz-QPSK-23025-1RB#14



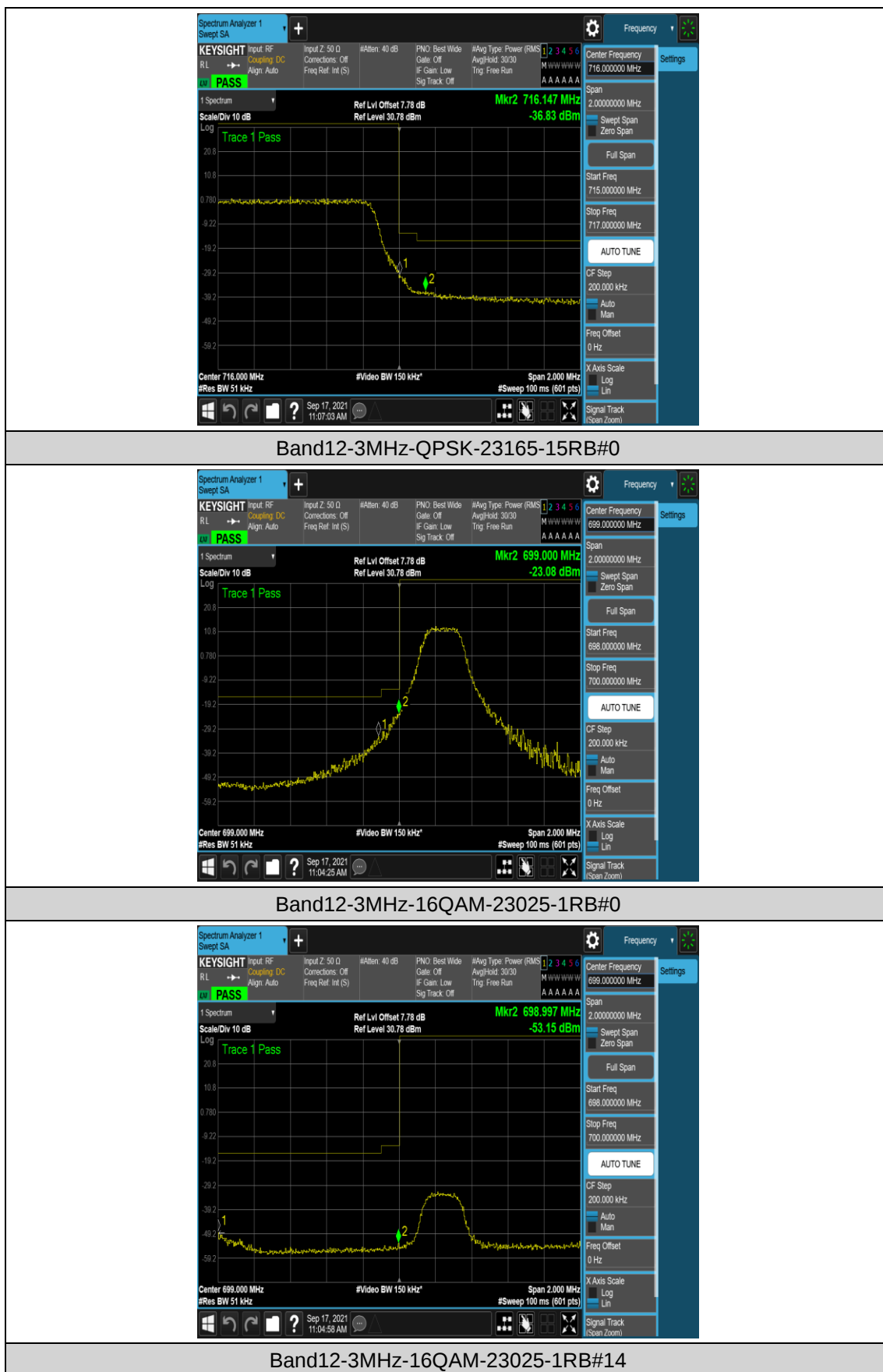
Band12-3MHz-QPSK-23025-15RB#0



Band12-3MHz-QPSK-23165-1RB#0

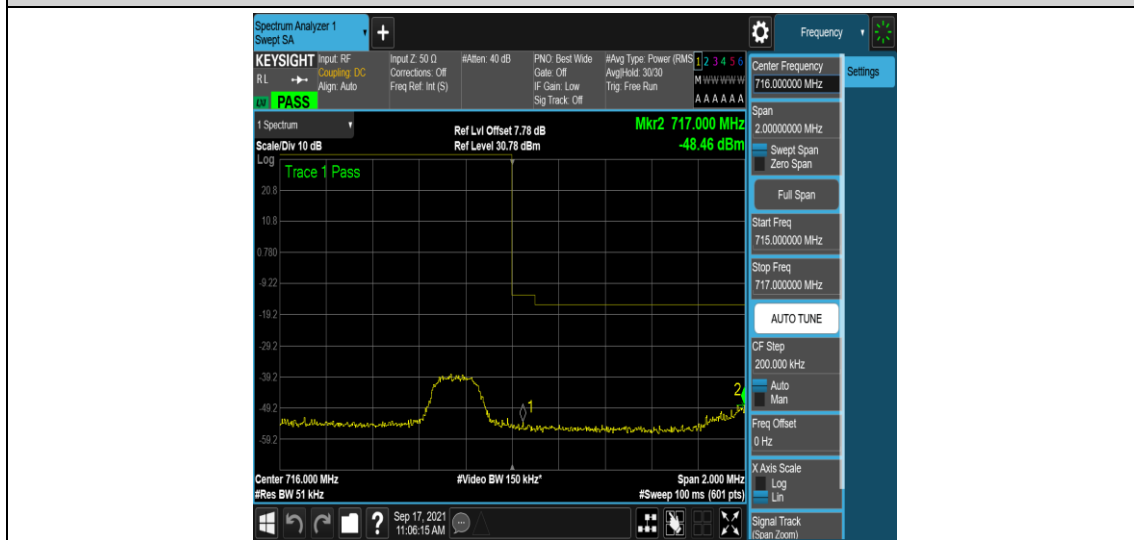


Band12-3MHz-QPSK-23165-1RB#14

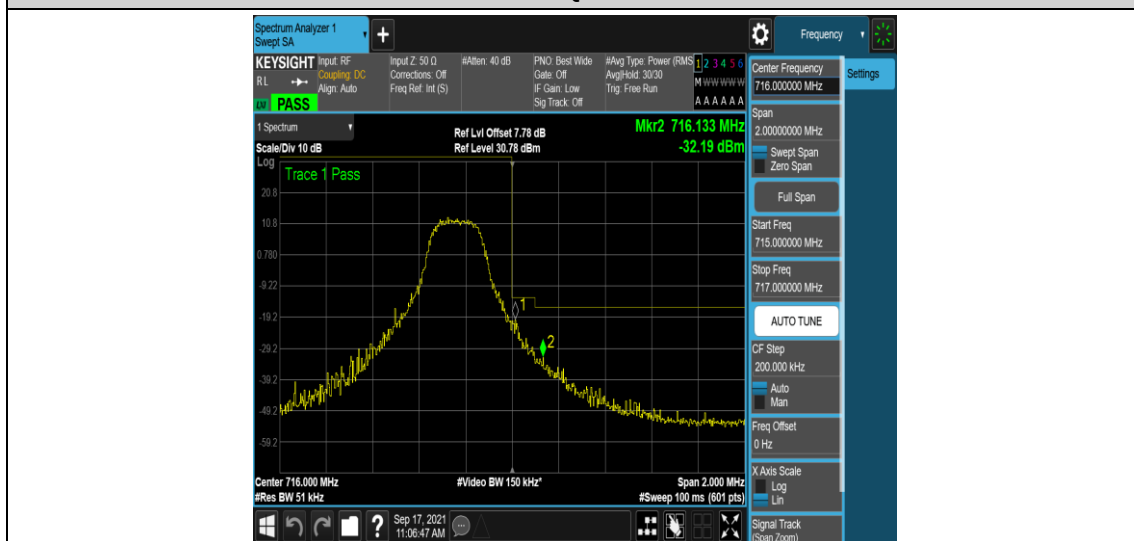




Band12-3MHz-16QAM-23025-15RB#0



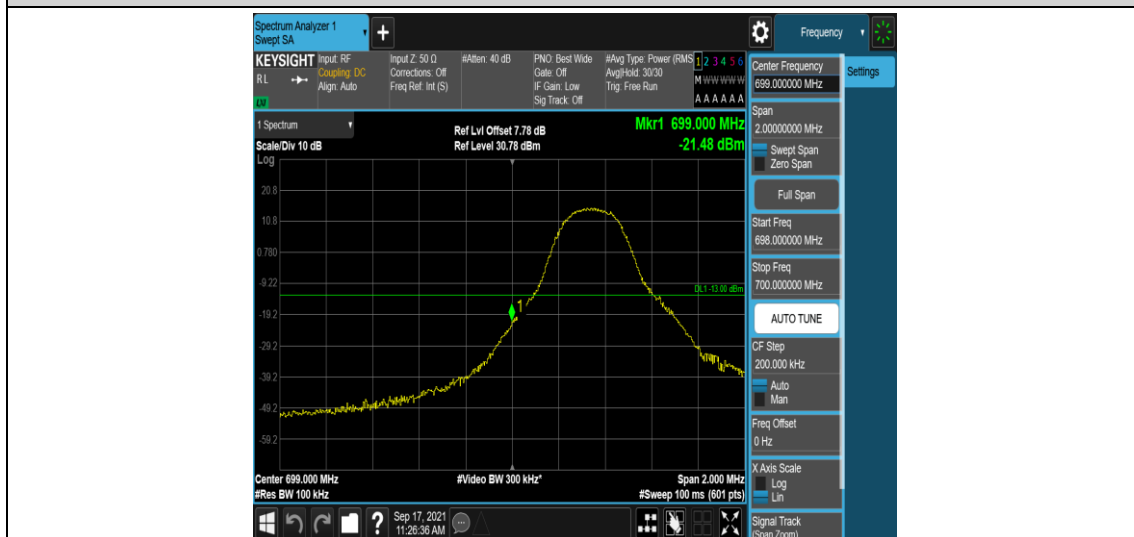
Band12-3MHz-16QAM-23165-1RB#0



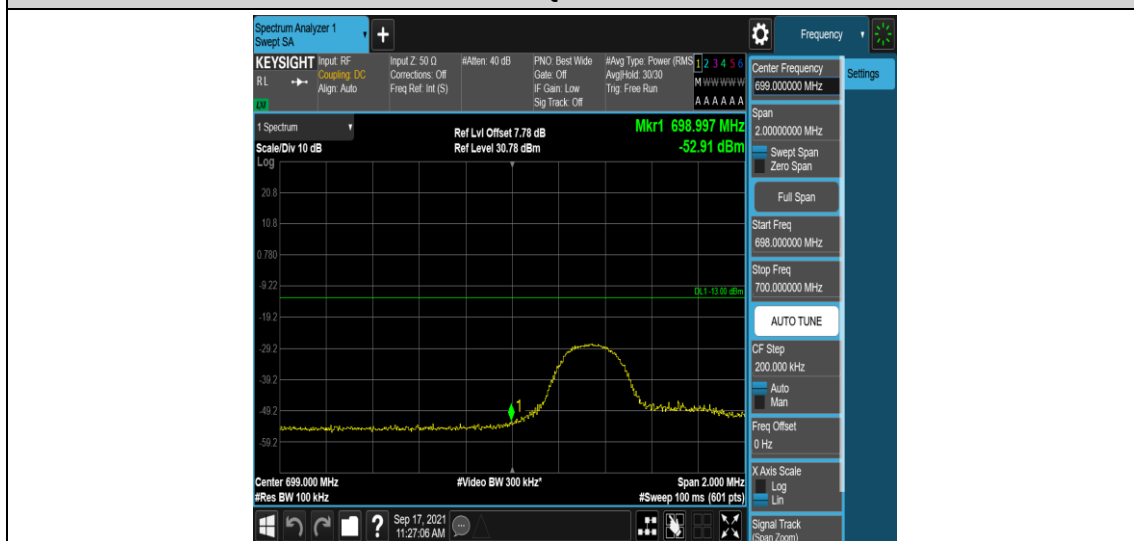
Band12-3MHz-16QAM-23165-1RB#14



Band12-3MHz-16QAM-23165-15RB#0



Band12-5MHz-QPSK-23035-1RB#0



Band12-5MHz-QPSK-23035-1RB#24

The screenshot displays the Keysight Spectrum Analyzer 1 Sweep SA interface. The main display area shows a spectrum plot with a yellow trace. A green marker 'Mkr1' is placed at 716.380 MHz, showing a level of -52.98 dBm. The plot has a center frequency of 716.000000 MHz, a span of 2.00000000 MHz, and a resolution bandwidth of 300 kHz. The y-axis is in dBm, ranging from -59.2 to 20.8. The x-axis is in kHz, ranging from 714.000 to 718.000. The interface includes various control panels for input, settings, and measurement parameters.

The screenshot displays the Keysight Spectrum Analyzer 1 Sweep SA interface. The main display area shows a frequency spectrum plot with a yellow trace. The center frequency is 716.010 MHz, and the span is 2.000 MHz. The plot shows a peak at approximately 716.010 MHz with a level of -19.86 dBm. The x-axis is labeled 'Video BW 300 kHz' and the y-axis is labeled 'Scale/Div 10 dB'. The interface includes various control panels for input, settings, and measurement.

Top Panel:

- Spectrum Analyzer 1 Sweep SA**
- KEYSIGHT** Input: RF, Input Z: 50 Ω , #Att: 40 dB, PNO: Best Wide, Gate: Off, #Avg Type: Power (RMS), Avg/Hold: 30/30, Trg: Free Run, MWWWWW, AAAAAA
- Frequency** (Settings icon)

Left Panel:

- 1 Spectrum**
- Scale/Div 10 dB**
- Log**

Right Panel:

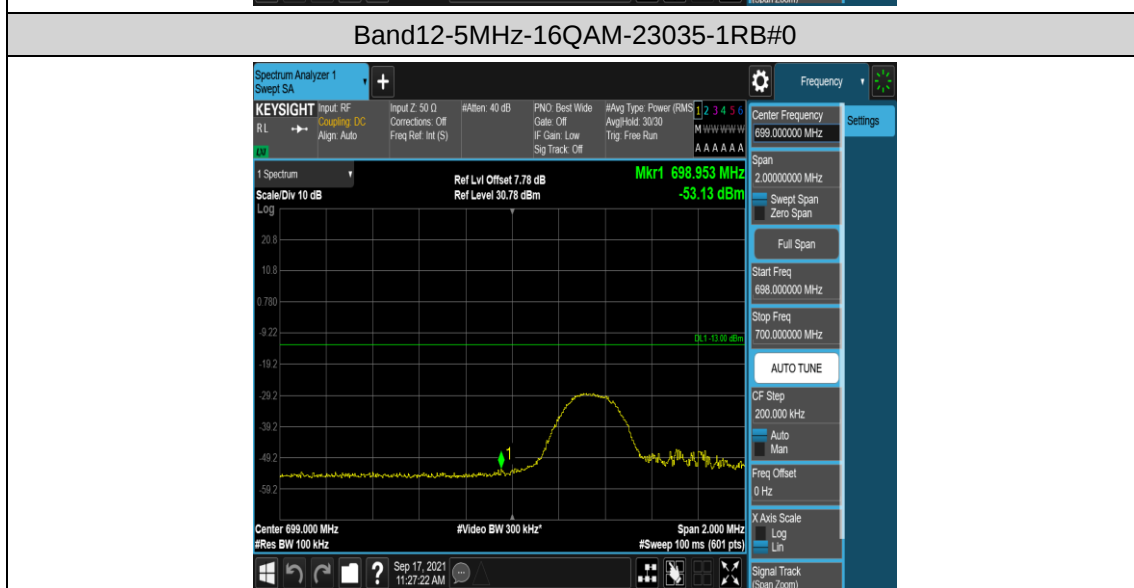
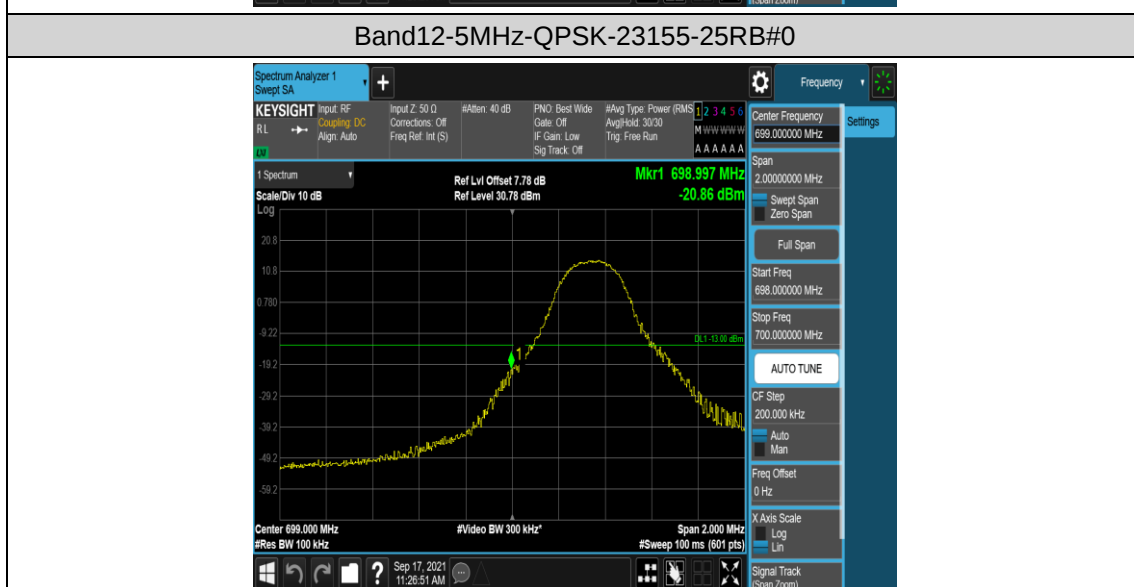
- Center Frequency** 716.000000 MHz
- Span** 2.00000000 MHz
- Sweep Span** Zero Span
- Full Span**
- Start Freq** 715.000000 MHz
- Stop Freq** 717.000000 MHz
- AUTO TUNE**
- CF Step** 200.000 kHz
- Auto Man**
- Freq Offset** 0 Hz
- X Axis Scale** Log Lin
- Signal Track** (Scan Zoom)

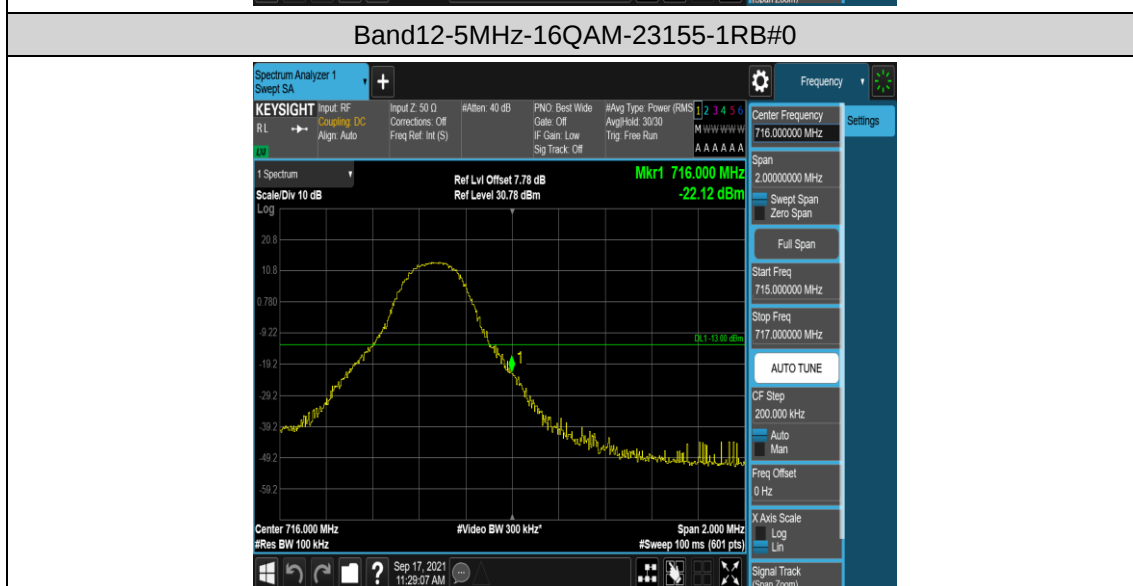
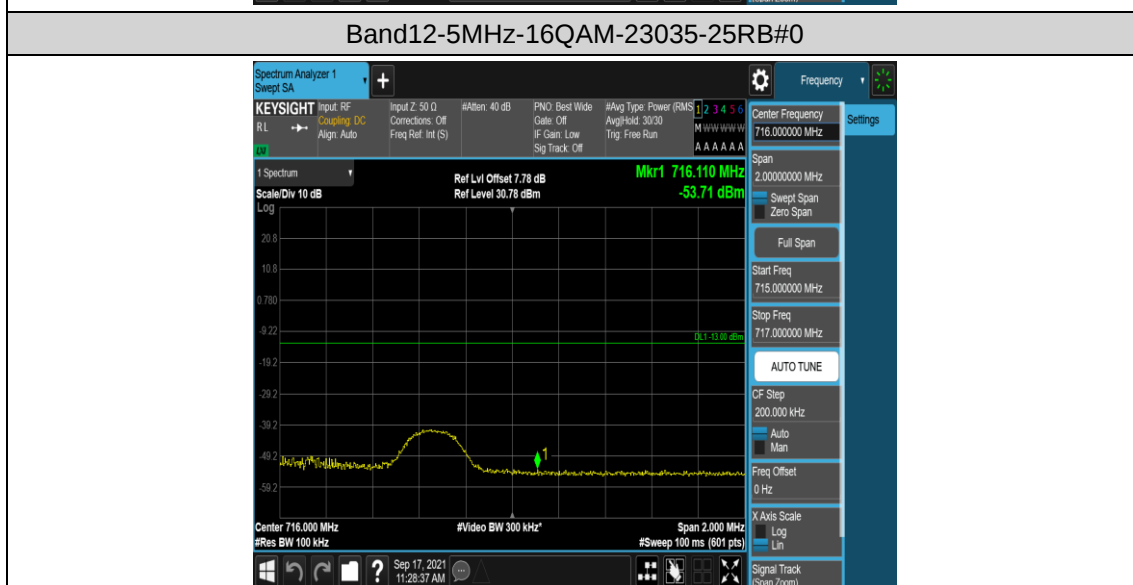
Bottom Panel:

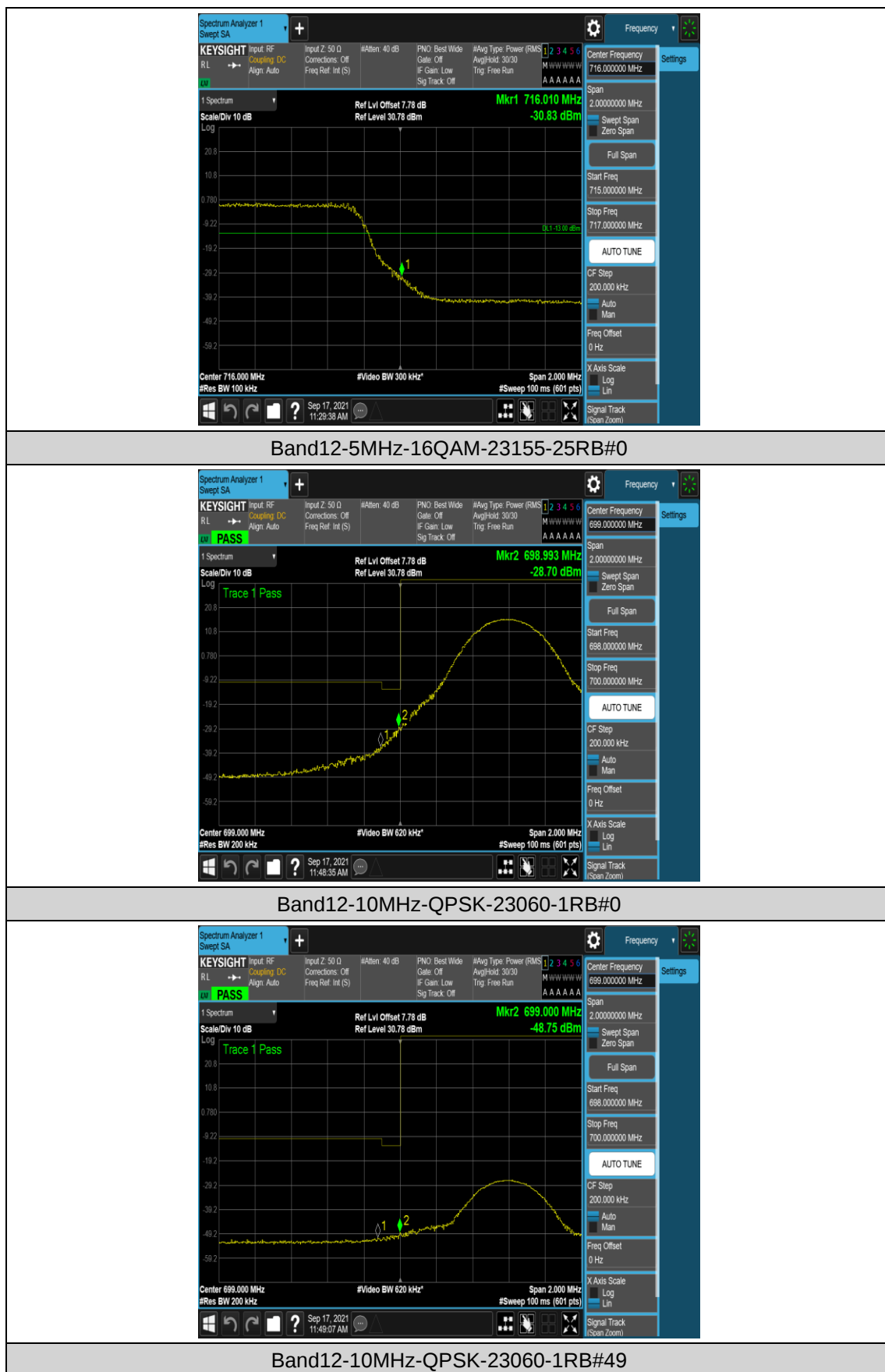
- Center 716.000 MHz**
- #Video BW 300 kHz**
- Span 2.000 MHz**
- #Sweep 100 ms (601 pts)**
- Ref Lvl Offset 7.78 dB**
- Ref Level 30.78 dBm**
- Mkr1 716.010 MHz**
- 19.86 dBm**

Bottom Bar:

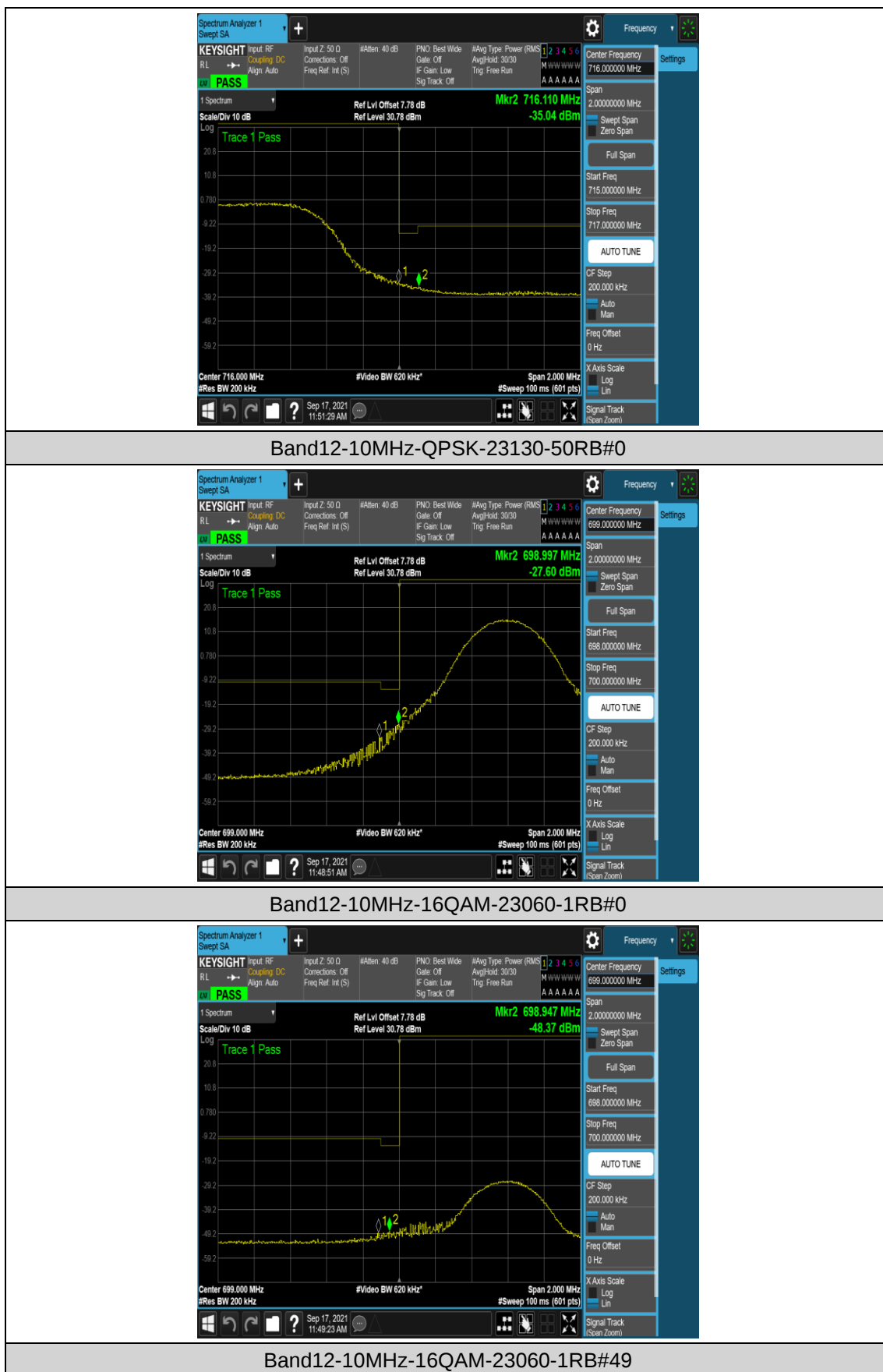
- Windows icon, Refresh, Save, Help, Date/Time: Sep 17, 2021 11:28:52 AM, Signal icon, Grid icon, Zoom icon









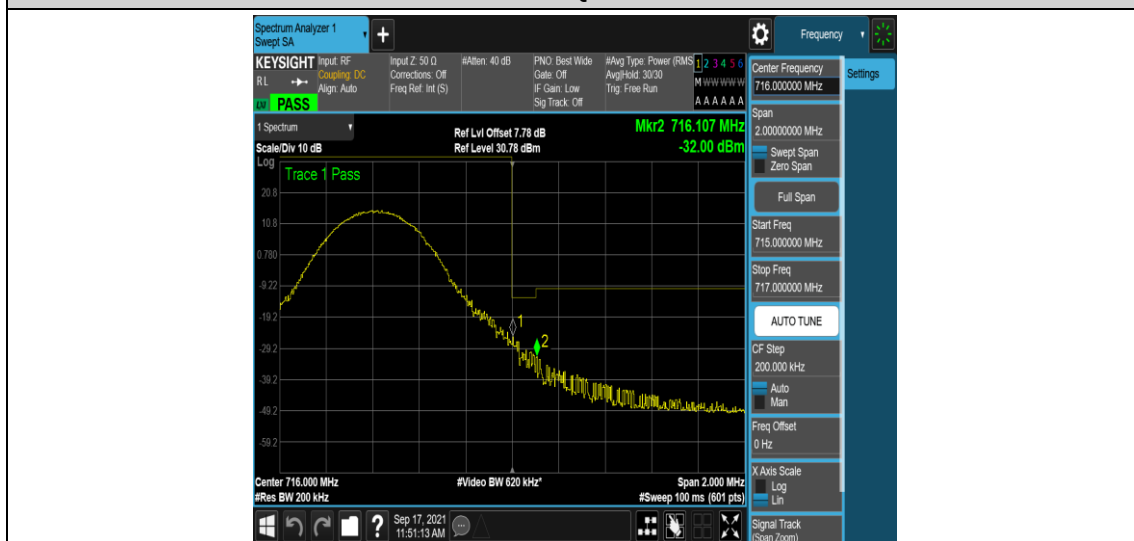




Band12-10MHz-16QAM-23060-50RB#0



Band12-10MHz-16QAM-23130-1RB#0



Band12-10MHz-16QAM-23130-1RB#49



Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	Range1:0.009~0.15MHz	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range2:0.15~30MHz	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range3:30~1000MHz	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range4:1000~10000MHz	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range1:0.009~0.15MHz	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range2:0.15~30MHz	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range3:30~1000MHz	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range4:1000~10000MHz	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range1:0.009~0.15MHz	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range2:0.15~30MHz	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range3:30~1000MHz	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range4:1000~10000MHz	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range1:0.009~0.15MHz	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range2:0.15~30MHz	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range3:30~1000MHz	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range4:1000~10000MHz	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range1:0.009~0.15MHz	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range2:0.15~30MHz	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range3:30~1000MHz	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range4:1000~10000MHz	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range1:0.009~0.15MHz	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range2:0.15~30MHz	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range3:30~1000MHz	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range4:1000~10000MHz	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range1:0.009~0.15MHz	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range2:0.15~30MHz	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range3:30~1000MHz	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range4:1000~10000MHz	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range1:0.009~0.15MHz	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range2:0.15~30MHz	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range3:30~1000MHz	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range4:1000~10000MHz	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range1:0.009~0.15MHz	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range2:0.15~30MHz	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range3:30~1000MHz	PASS