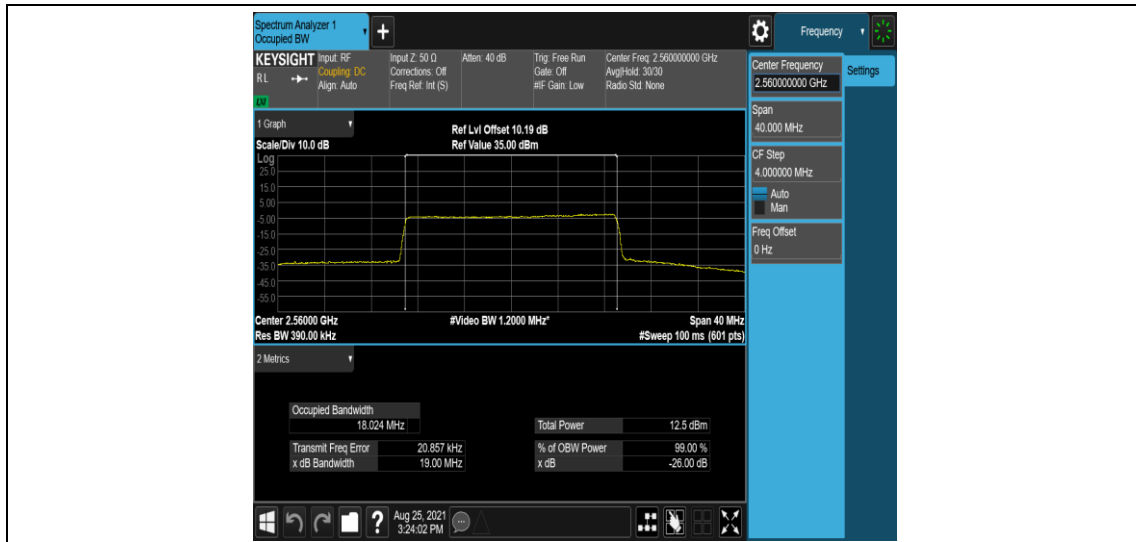












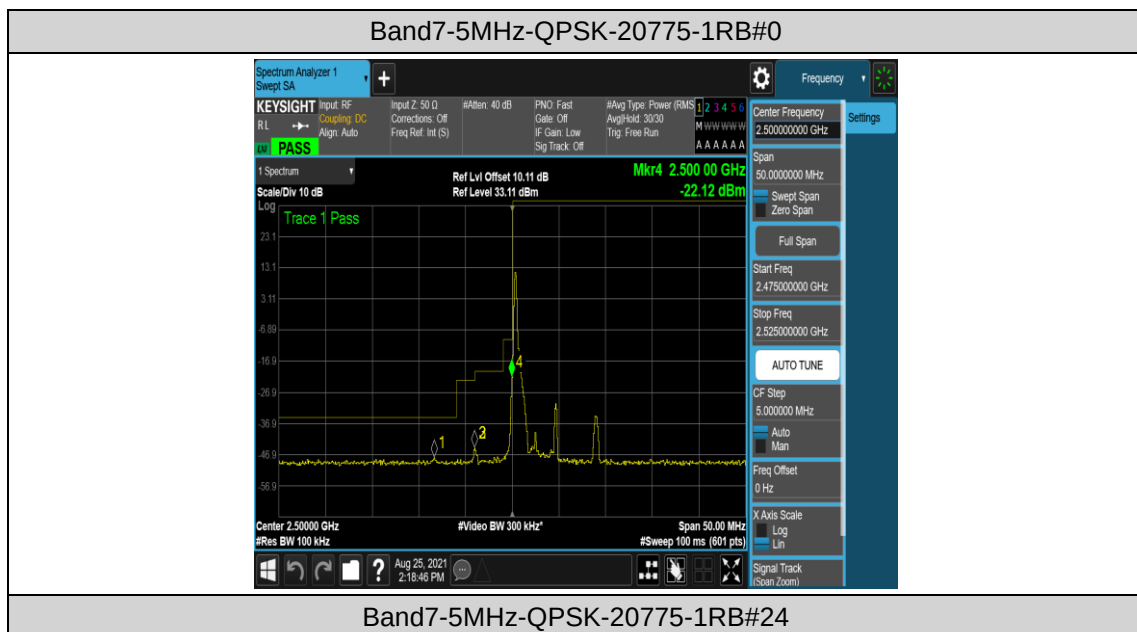
Appendix D: Band Edge

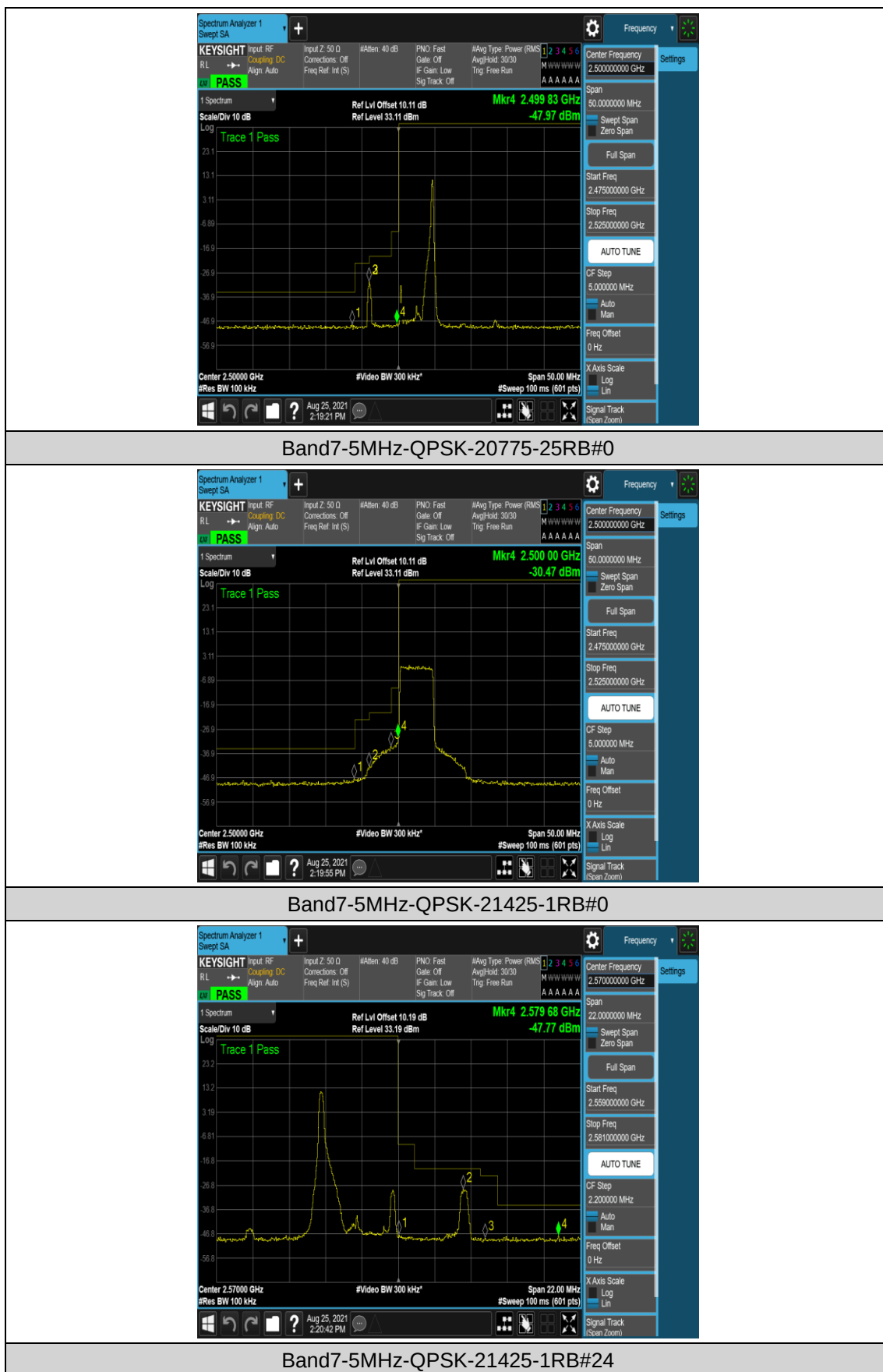
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Verdict
Band7	5MHz	QPSK	20775	1RB#0	PASS
Band7	5MHz	QPSK	20775	1RB#24	PASS
Band7	5MHz	QPSK	20775	25RB#0	PASS
Band7	5MHz	QPSK	21425	1RB#0	PASS
Band7	5MHz	QPSK	21425	1RB#24	PASS
Band7	5MHz	QPSK	21425	25RB#0	PASS
Band7	5MHz	16QAM	20775	1RB#0	PASS
Band7	5MHz	16QAM	20775	1RB#24	PASS
Band7	5MHz	16QAM	20775	25RB#0	PASS
Band7	5MHz	16QAM	21425	1RB#0	PASS
Band7	5MHz	16QAM	21425	1RB#24	PASS
Band7	5MHz	16QAM	21425	25RB#0	PASS
Band7	10MHz	QPSK	20800	1RB#0	PASS
Band7	10MHz	QPSK	20800	1RB#49	PASS
Band7	10MHz	QPSK	20800	50RB#0	PASS
Band7	10MHz	QPSK	21400	1RB#0	PASS
Band7	10MHz	QPSK	21400	1RB#49	PASS
Band7	10MHz	QPSK	21400	50RB#0	PASS
Band7	10MHz	16QAM	20800	1RB#0	PASS
Band7	10MHz	16QAM	20800	1RB#49	PASS
Band7	10MHz	16QAM	20800	50RB#0	PASS
Band7	10MHz	16QAM	21400	1RB#0	PASS
Band7	10MHz	16QAM	21400	1RB#49	PASS
Band7	10MHz	16QAM	21400	50RB#0	PASS
Band7	15MHz	QPSK	20825	1RB#0	PASS
Band7	15MHz	QPSK	20825	1RB#74	FAIL
Band7	15MHz	QPSK	20825	75RB#0	PASS
Band7	15MHz	QPSK	21375	1RB#0	PASS
Band7	15MHz	QPSK	21375	1RB#74	PASS
Band7	15MHz	QPSK	21375	75RB#0	PASS
Band7	15MHz	16QAM	20825	1RB#0	PASS
Band7	15MHz	16QAM	20825	1RB#74	FAIL
Band7	15MHz	16QAM	20825	75RB#0	PASS
Band7	15MHz	16QAM	21375	1RB#0	PASS
Band7	15MHz	16QAM	21375	1RB#74	PASS

Band7	15MHz	16QAM	21375	75RB#0	PASS
Band7	20MHz	QPSK	20850	1RB#0	PASS
Band7	20MHz	QPSK	20850	1RB#99	PASS
Band7	20MHz	QPSK	20850	100RB#0	PASS
Band7	20MHz	QPSK	21350	1RB#0	PASS
Band7	20MHz	QPSK	21350	1RB#99	PASS
Band7	20MHz	QPSK	21350	100RB#0	PASS
Band7	20MHz	16QAM	20850	1RB#0	PASS
Band7	20MHz	16QAM	20850	1RB#99	FAIL
Band7	20MHz	16QAM	20850	100RB#0	PASS
Band7	20MHz	16QAM	21350	1RB#0	PASS
Band7	20MHz	16QAM	21350	1RB#99	PASS
Band7	20MHz	16QAM	21350	100RB#0	PASS

Test Graphs













The image shows a Keysight Spectrum Analyzer 1 interface. The main display area shows a spectrum plot with a yellow trace. The trace starts at a level of approximately -30 dBm, drops sharply to a level of approximately -45.50 dBm, and then continues with some noise. The plot is labeled "Trace 1 Pass" and "Mkr4 2.58198 GHz -45.50 dBm". The plot has a grid with a vertical axis labeled "Scale/Div 10 dB" and a horizontal axis labeled "Span 29.11 MHz". The plot also shows "Center 2.57000 GHz" and "Res BW 200 kHz".

The top of the interface shows various settings and controls, including "Spectrum Analyzer 1", "Sweep SA", "KEYSIGHT", "Input RF", "Coupling DC", "Align Auto", "Input Z 50 Ω", "Corrections Off", "Freq Ref Int (S)", "Atten 40 dB", "PNO Fast", "Gate Off", "IF Gain Low", "Sig Track Off", "Avg Type Power (RMS)", "Avg/Hold 30/30", "Trig Free Run", "M W W W W W W", "A A A A A A", "Center Frequency", "2.57000000 GHz", "Span", "29.106000 MHz", "Sweep Span", "Zero Span", "Full Span", "Start Freq", "2.556447000 GHz", "Stop Freq", "2.584553000 GHz", "AUTO TUNE", "CF Step", "2.910600 MHz", "Auto", "Man", "Freq Offset", "0 Hz", "X Axis Scale", "Log", "Lin", "Signal Track", "SigB, Freq".

The bottom of the interface shows a Windows taskbar with the date and time "Aug 25, 2021 2:43:27 PM" and various system icons.

The screenshot displays a Spectrum Analyzer 1 interface. The main display area shows a signal trace with a prominent peak at 2.50000 GHz, labeled 'Mkr4 2.500 00 GHz' and '-24.41 dBm'. The trace is labeled 'Trace 1 Pass'. The frequency scale is set to 10 dB, and the video bandwidth is 620 kHz. The center frequency is 2.50000 GHz, and the span is 50.000 MHz. The interface includes various control panels for input, settings, and display.

Top Panel:

- Spectrum Analyzer 1** (Title)
- KEYSIGHT** (Logo)
- Input:** RF, Coupling: DC, Align: Auto
- Input Z:** 50 Ω
- Corrections:** Off
- #Attain:** 40 dB
- PNO:** Fast
- Gate:** Off
- #Avg Type:** Power (RMS)
- Avg/Hold:** 30/30
- IF Gain:** Low
- Sig Track:** Off
- Center Frequency:** 2.500000000 GHz
- Span:** 50.00000000 MHz
- Sweep Span:** Sweep Span
- Zero Span:** Zero Span
- Full Span:** Full Span
- Start Freq:** 2.475000000 GHz
- Stop Freq:** 2.525000000 GHz
- AUTO TUNE:** AUTO TUNE
- CF Step:** 5.000000 MHz
- Auto:** Auto
- Man:** Man
- Freq Offset:** 0 Hz
- X Axis Scale:** Log
- Lin:** Lin
- Signal Track:** Signal (mag)

Display Area:

- 1 Spectrum** (Dropdown)
- Scale/Div:** 10 dB
- Log** (Checkbox)
- Trace 1 Pass** (Label)
- Ref Lvl Offset:** 10.11 dB
- Ref Level:** 33.11 dBm
- Mkr4 2.500 00 GHz** (Marker)
- 24.41 dBm** (Marker Value)
- Center 2.50000 GHz** (Label)
- #Res BW:** 200 kHz
- #Video BW:** 620 kHz
- Span:** 50.00 MHz
- #Sweep:** 100 ms (601 pts)

Bottom Panel:

- Windows:** Taskbar icons for file explorer, applications, and browser.
- System Clock:** Aug 25, 2021 2:40:38 PM
- System Icons:** Network, volume, and other system status icons.





