

Appendix E: Conducted Spurious Emission

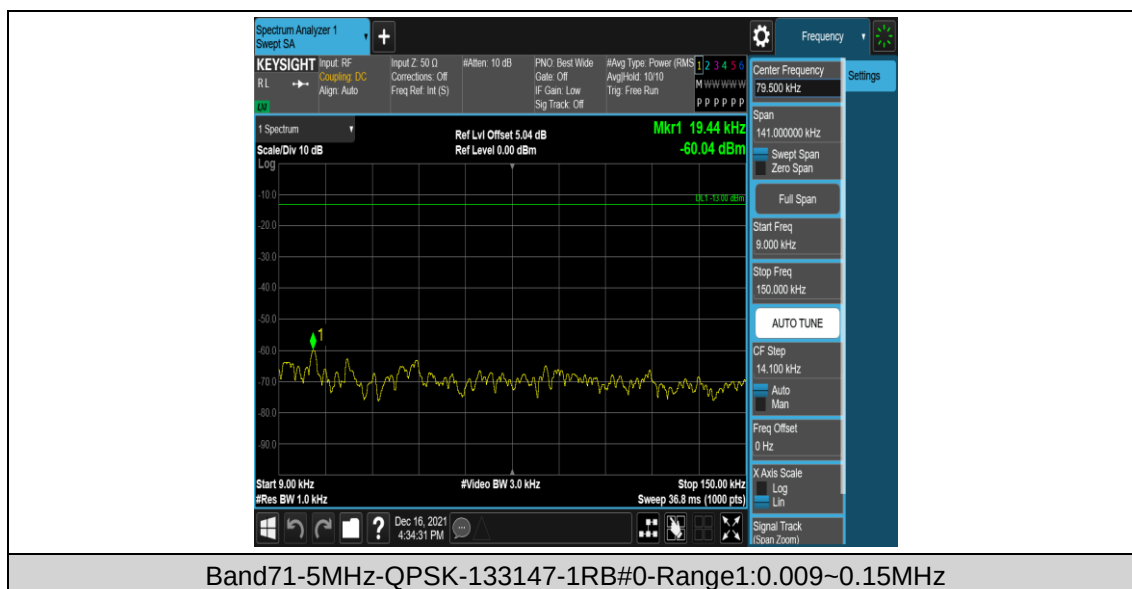
Test Result

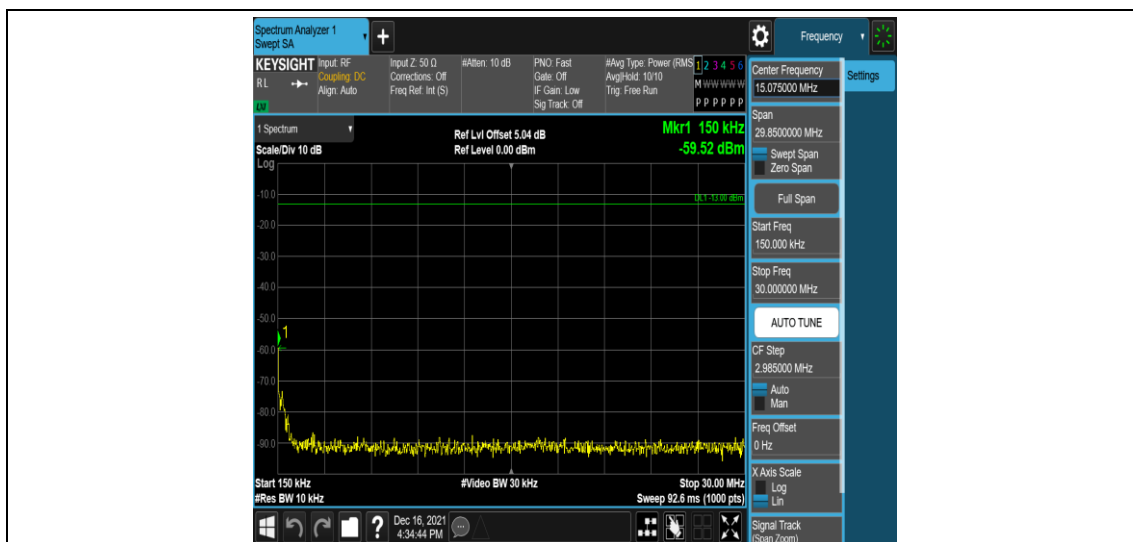
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Verdict
Band71	5MHz	QPSK	133147	1RB#0	Range1:0.009~0.15MHz	PASS
Band71	5MHz	QPSK	133147	1RB#0	Range2:0.15~30MHz	PASS
Band71	5MHz	QPSK	133147	1RB#0	Range3:30~1000MHz	PASS
Band71	5MHz	QPSK	133147	1RB#0	Range4:1000~10000MHz	PASS
Band71	5MHz	QPSK	133297	1RB#0	Range1:0.009~0.15MHz	PASS
Band71	5MHz	QPSK	133297	1RB#0	Range2:0.15~30MHz	PASS
Band71	5MHz	QPSK	133297	1RB#0	Range3:30~1000MHz	PASS
Band71	5MHz	QPSK	133297	1RB#0	Range4:1000~10000MHz	PASS
Band71	5MHz	QPSK	133447	1RB#0	Range1:0.009~0.15MHz	PASS
Band71	5MHz	QPSK	133447	1RB#0	Range2:0.15~30MHz	PASS
Band71	5MHz	QPSK	133447	1RB#0	Range3:30~1000MHz	PASS
Band71	5MHz	QPSK	133447	1RB#0	Range4:1000~10000MHz	PASS
Band71	5MHz	16QAM	133147	1RB#0	Range1:0.009~0.15MHz	PASS
Band71	5MHz	16QAM	133147	1RB#0	Range2:0.15~30MHz	PASS
Band71	5MHz	16QAM	133147	1RB#0	Range3:30~1000MHz	PASS
Band71	5MHz	16QAM	133147	1RB#0	Range4:1000~10000MHz	PASS
Band71	5MHz	16QAM	133297	1RB#0	Range1:0.009~0.15MHz	PASS
Band71	5MHz	16QAM	133297	1RB#0	Range2:0.15~30MHz	PASS
Band71	5MHz	16QAM	133297	1RB#0	Range3:30~1000MHz	PASS
Band71	5MHz	16QAM	133297	1RB#0	Range4:1000~10000MHz	PASS
Band71	5MHz	16QAM	133447	1RB#0	Range1:0.009~0.15MHz	PASS
Band71	5MHz	16QAM	133447	1RB#0	Range2:0.15~30MHz	PASS
Band71	5MHz	16QAM	133447	1RB#0	Range3:30~1000MHz	PASS
Band71	5MHz	16QAM	133447	1RB#0	Range4:1000~10000MHz	PASS
Band71	10MHz	QPSK	133172	1RB#0	Range1:0.009~0.15MHz	PASS
Band71	10MHz	QPSK	133172	1RB#0	Range2:0.15~30MHz	PASS
Band71	10MHz	QPSK	133172	1RB#0	Range3:30~1000MHz	PASS
Band71	10MHz	QPSK	133172	1RB#0	Range4:1000~10000MHz	PASS
Band71	10MHz	QPSK	133297	1RB#0	Range1:0.009~0.15MHz	PASS
Band71	10MHz	QPSK	133297	1RB#0	Range2:0.15~30MHz	PASS
Band71	10MHz	QPSK	133297	1RB#0	Range3:30~1000MHz	PASS
Band71	10MHz	QPSK	133297	1RB#0	Range4:1000~10000MHz	PASS
Band71	10MHz	QPSK	133422	1RB#0	Range1:0.009~0.15MHz	PASS
Band71	10MHz	QPSK	133422	1RB#0	Range2:0.15~30MHz	PASS
Band71	10MHz	QPSK	133422	1RB#0	Range3:30~1000MHz	PASS

Band71	10MHz	QPSK	133422	1RB#0	Range4:1000~10000MHz	PASS
Band71	10MHz	16QAM	133172	1RB#0	Range1:0.009~0.15MHz	PASS
Band71	10MHz	16QAM	133172	1RB#0	Range2:0.15~30MHz	PASS
Band71	10MHz	16QAM	133172	1RB#0	Range3:30~1000MHz	PASS
Band71	10MHz	16QAM	133172	1RB#0	Range4:1000~10000MHz	PASS
Band71	10MHz	16QAM	133297	1RB#0	Range1:0.009~0.15MHz	PASS
Band71	10MHz	16QAM	133297	1RB#0	Range2:0.15~30MHz	PASS
Band71	10MHz	16QAM	133297	1RB#0	Range3:30~1000MHz	PASS
Band71	10MHz	16QAM	133297	1RB#0	Range4:1000~10000MHz	PASS
Band71	10MHz	16QAM	133422	1RB#0	Range1:0.009~0.15MHz	PASS
Band71	10MHz	16QAM	133422	1RB#0	Range2:0.15~30MHz	PASS
Band71	10MHz	16QAM	133422	1RB#0	Range3:30~1000MHz	PASS
Band71	10MHz	16QAM	133422	1RB#0	Range4:1000~10000MHz	PASS
Band71	15MHz	QPSK	133197	1RB#0	Range1:0.009~0.15MHz	PASS
Band71	15MHz	QPSK	133197	1RB#0	Range2:0.15~30MHz	PASS
Band71	15MHz	QPSK	133197	1RB#0	Range3:30~1000MHz	PASS
Band71	15MHz	QPSK	133197	1RB#0	Range4:1000~10000MHz	PASS
Band71	15MHz	QPSK	133297	1RB#0	Range1:0.009~0.15MHz	PASS
Band71	15MHz	QPSK	133297	1RB#0	Range2:0.15~30MHz	PASS
Band71	15MHz	QPSK	133297	1RB#0	Range3:30~1000MHz	PASS
Band71	15MHz	QPSK	133297	1RB#0	Range4:1000~10000MHz	PASS
Band71	15MHz	QPSK	133397	1RB#0	Range1:0.009~0.15MHz	PASS
Band71	15MHz	QPSK	133397	1RB#0	Range2:0.15~30MHz	PASS
Band71	15MHz	QPSK	133397	1RB#0	Range3:30~1000MHz	PASS
Band71	15MHz	QPSK	133397	1RB#0	Range4:1000~10000MHz	PASS
Band71	15MHz	16QAM	133197	1RB#0	Range1:0.009~0.15MHz	PASS
Band71	15MHz	16QAM	133197	1RB#0	Range2:0.15~30MHz	PASS
Band71	15MHz	16QAM	133197	1RB#0	Range3:30~1000MHz	PASS
Band71	15MHz	16QAM	133197	1RB#0	Range4:1000~10000MHz	PASS
Band71	15MHz	16QAM	133297	1RB#0	Range1:0.009~0.15MHz	PASS
Band71	15MHz	16QAM	133297	1RB#0	Range2:0.15~30MHz	PASS
Band71	15MHz	16QAM	133297	1RB#0	Range3:30~1000MHz	PASS
Band71	15MHz	16QAM	133297	1RB#0	Range4:1000~10000MHz	PASS
Band71	15MHz	16QAM	133397	1RB#0	Range1:0.009~0.15MHz	PASS
Band71	15MHz	16QAM	133397	1RB#0	Range2:0.15~30MHz	PASS
Band71	15MHz	16QAM	133397	1RB#0	Range3:30~1000MHz	PASS
Band71	15MHz	16QAM	133397	1RB#0	Range4:1000~10000MHz	PASS
Band71	20MHz	QPSK	133222	1RB#0	Range1:0.009~0.15MHz	PASS
Band71	20MHz	QPSK	133222	1RB#0	Range2:0.15~30MHz	PASS
Band71	20MHz	QPSK	133222	1RB#0	Range3:30~1000MHz	PASS
Band71	20MHz	QPSK	133222	1RB#0	Range4:1000~10000MHz	PASS
Band71	20MHz	QPSK	133322	1RB#0	Range1:0.009~0.15MHz	PASS

Band71	20MHz	QPSK	133322	1RB#0	Range2:0.15~30MHz	PASS
Band71	20MHz	QPSK	133322	1RB#0	Range3:30~1000MHz	PASS
Band71	20MHz	QPSK	133322	1RB#0	Range4:1000~10000MHz	PASS
Band71	20MHz	QPSK	133372	1RB#0	Range1:0.009~0.15MHz	PASS
Band71	20MHz	QPSK	133372	1RB#0	Range2:0.15~30MHz	PASS
Band71	20MHz	QPSK	133372	1RB#0	Range3:30~1000MHz	PASS
Band71	20MHz	QPSK	133372	1RB#0	Range4:1000~10000MHz	PASS
Band71	20MHz	16QAM	133222	1RB#0	Range1:0.009~0.15MHz	PASS
Band71	20MHz	16QAM	133222	1RB#0	Range2:0.15~30MHz	PASS
Band71	20MHz	16QAM	133222	1RB#0	Range3:30~1000MHz	PASS
Band71	20MHz	16QAM	133222	1RB#0	Range4:1000~10000MHz	PASS
Band71	20MHz	16QAM	133322	1RB#0	Range1:0.009~0.15MHz	PASS
Band71	20MHz	16QAM	133322	1RB#0	Range2:0.15~30MHz	PASS
Band71	20MHz	16QAM	133322	1RB#0	Range3:30~1000MHz	PASS
Band71	20MHz	16QAM	133322	1RB#0	Range4:1000~10000MHz	PASS
Band71	20MHz	16QAM	133372	1RB#0	Range1:0.009~0.15MHz	PASS
Band71	20MHz	16QAM	133372	1RB#0	Range2:0.15~30MHz	PASS
Band71	20MHz	16QAM	133372	1RB#0	Range3:30~1000MHz	PASS
Band71	20MHz	16QAM	133372	1RB#0	Range4:1000~10000MHz	PASS

Test Graphs





Band71-5MHz-QPSK-133147-1RB#0-Range2:0.15~30MHz



Band71-5MHz-QPSK-133147-1RB#0-Range3:30~1000MHz



Band71-5MHz-QPSK-133147-1RB#0-Range4:1000~10000MHz



Band71-5MHz-QPSK-133297-1RB#0-Range1:0.009~0.15MHz



Band71-5MHz-QPSK-133297-1RB#0-Range2:0.15~30MHz



Band71-5MHz-QPSK-133297-1RB#0-Range3:30~1000MHz



Band71-5MHz-QPSK-133297-1RB#0-Range4:1000~10000MHz



Band71-5MHz-QPSK-133447-1RB#0-Range1:0.009~0.15MHz



Band71-5MHz-QPSK-133447-1RB#0-Range2:0.15~30MHz



Band71-5MHz-QPSK-133447-1RB#0-Range3:30~1000MHz



Band71-5MHz-QPSK-133447-1RB#0-Range4:1000~10000MHz



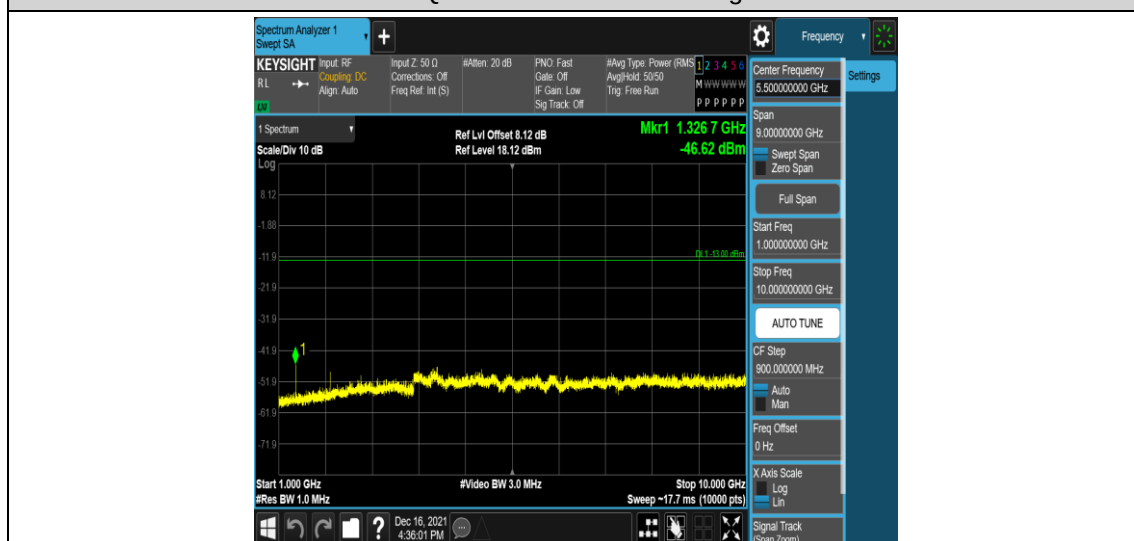
Band71-5MHz-16QAM-133147-1RB#0-Range1:0.009~0.15MHz



Band71-5MHz-16QAM-133147-1RB#0-Range2:0.15~30MHz



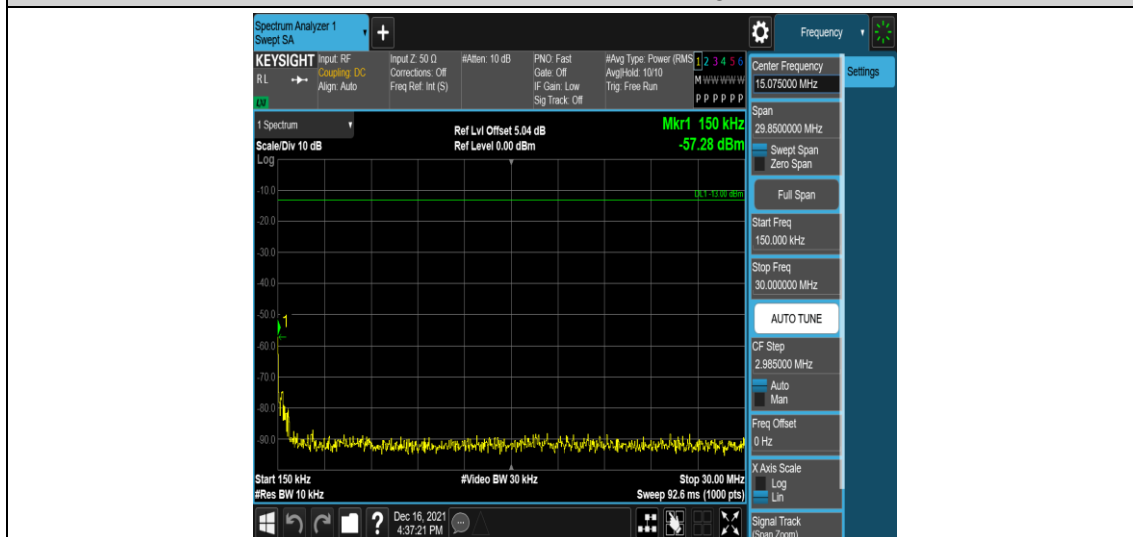
Band71-5MHz-16QAM-133147-1RB#0-Range3:30~1000MHz



Band71-5MHz-16QAM-133147-1RB#0-Range4:1000~10000MHz



Band71-5MHz-16QAM-133297-1RB#0-Range1:0.009~0.15MHz



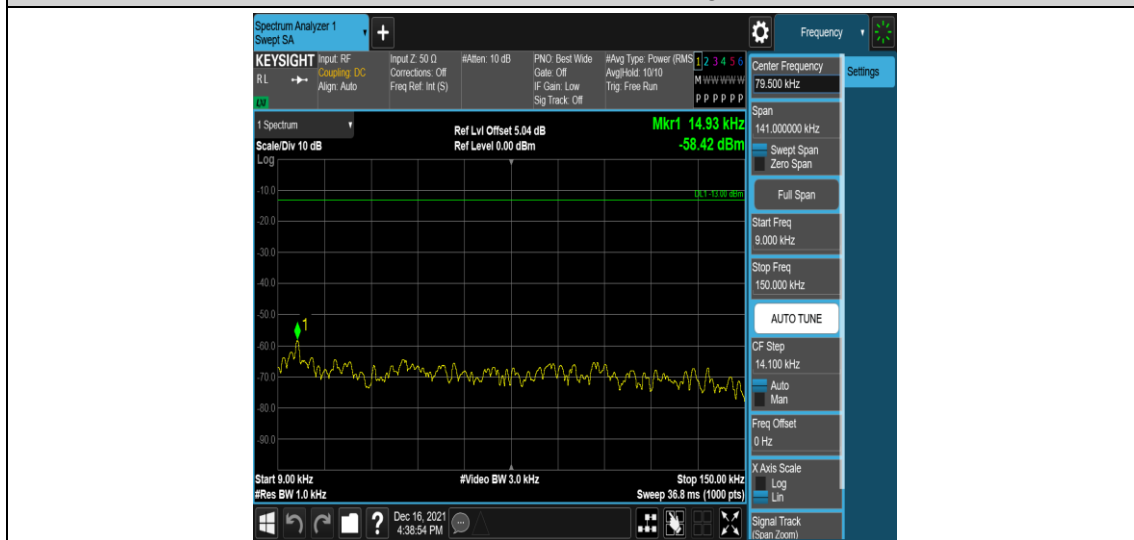
Band71-5MHz-16QAM-133297-1RB#0-Range2:0.15~30MHz



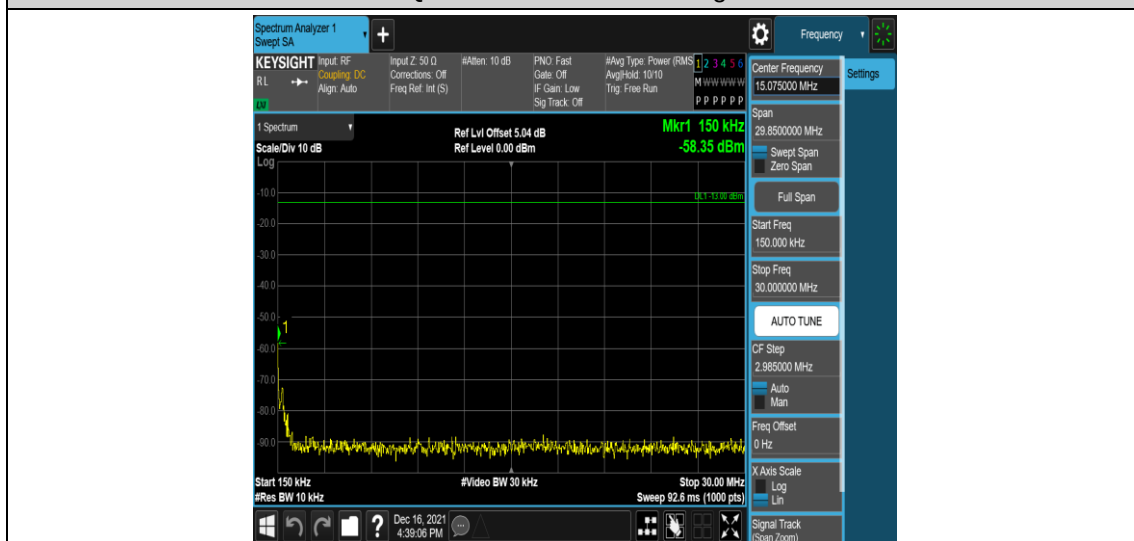
Band71-5MHz-16QAM-133297-1RB#0-Range3:30~1000MHz



Band71-5MHz-16QAM-133297-1RB#0-Range4:1000~10000MHz



Band71-5MHz-16QAM-133447-1RB#0-Range1:0.009~0.15MHz



Band71-5MHz-16QAM-133447-1RB#0-Range2:0.15~30MHz



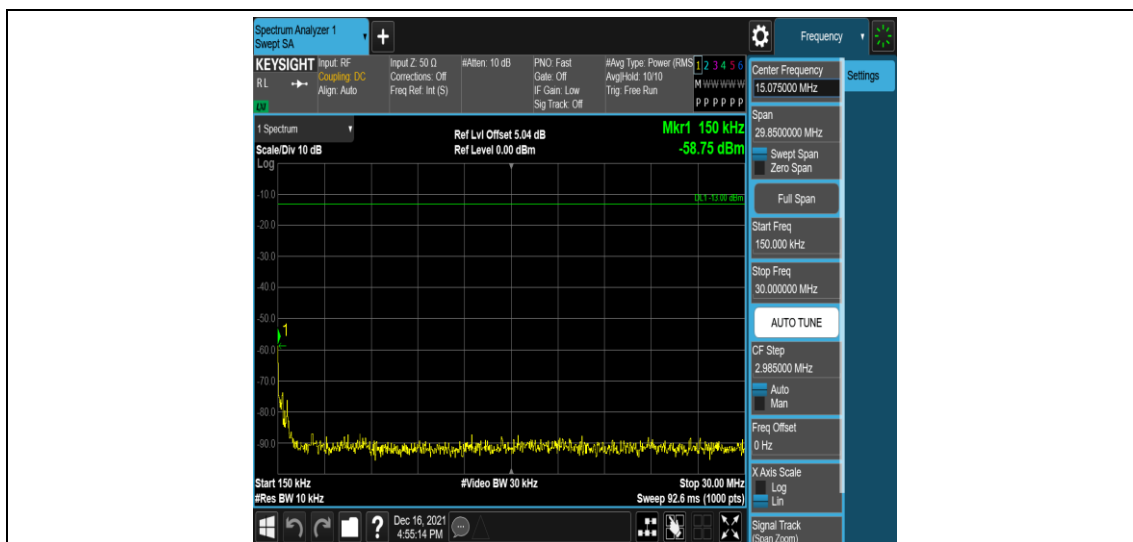
Band71-5MHz-16QAM-133447-1RB#0-Range3:30~1000MHz



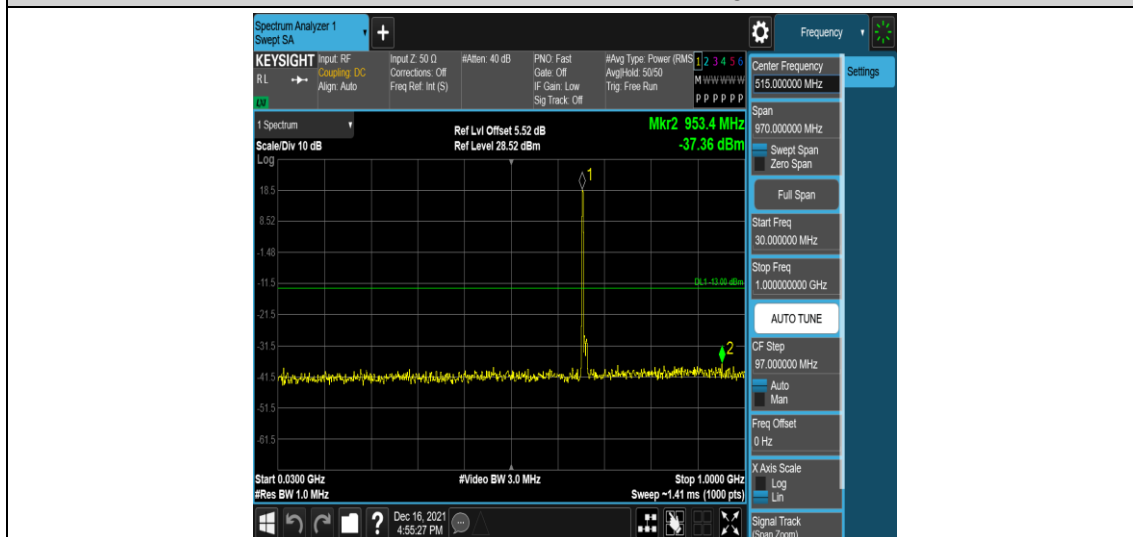
Band71-5MHz-16QAM-133447-1RB#0-Range4:1000~10000MHz



Band71-10MHz-QPSK-133172-1RB#0-Range1:0.009~0.15MHz



Band71-10MHz-QPSK-133172-1RB#0-Range2:0.15~30MHz



Band71-10MHz-QPSK-133172-1RB#0-Range3:30~1000MHz



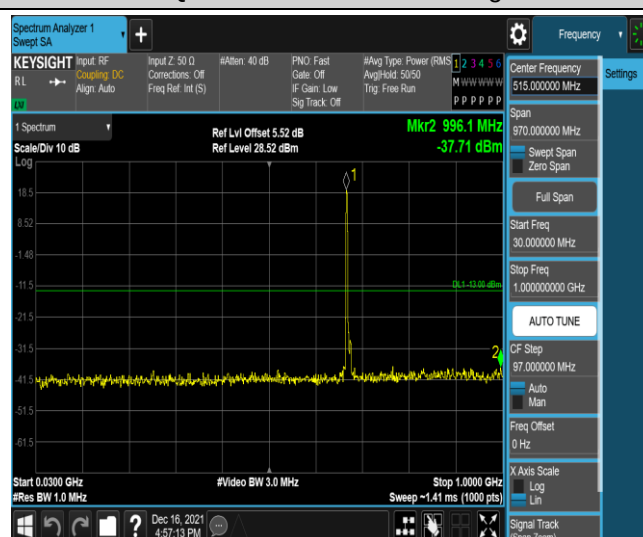
Band71-10MHz-QPSK-133172-1RB#0-Range4:1000~10000MHz



Band71-10MHz-QPSK-133297-1RB#0-Range1:0.009~0.15MHz



Band71-10MHz-QPSK-133297-1RB#0-Range2:0.15~30MHz



Band71-10MHz-QPSK-133297-1RB#0-Range3:30~1000MHz

The screenshot displays the Keysight Spectrum Analyzer 1 Sweep SA interface. The main display area shows a spectrum plot with a yellow trace and a green marker at 17.05 kHz, -56.64 dBm. The plot has a logarithmic scale from -100 dBm to -10 dBm. The frequency range is 9.00 kHz to 150.00 kHz. The resolution bandwidth is 3.0 kHz. The interface includes various control panels for input, settings, and display.

Top Panel:

- Input:** RF, Input Z: 50 Ω , Corrections: Off, Freq Ref: Int (S), Align: Auto
- Attenuation:** 10 dB
- Filters:** PNO: Best Wide, Gate: Off, IF Gain: Low, Sig Track: Off
- Power:** #Avg Type: Power (RMS), Avg/Hold: 10/10, Trig: Free Run
- Frequency:** Center Frequency: 79.500 kHz

Plot Area:

- Scale/Div:** 10 dB
- Ref Level:** 0.00 dBm
- Ref Lvl Offset:** 5.04 dB
- Marker:** Mkr1 17.05 kHz, -56.64 dBm
- Log Scale:** -10.0, -20.0, -30.0, -40.0, -50.0, -60.0, -70.0, -80.0, -90.0
- Start Freq:** 9.00 kHz
- Stop Freq:** 150.00 kHz
- Res BW:** 1.0 kHz
- #Video BW:** 3.0 kHz
- Sweep:** 36.8 ms (1000 pts)

Right Panel (Settings):

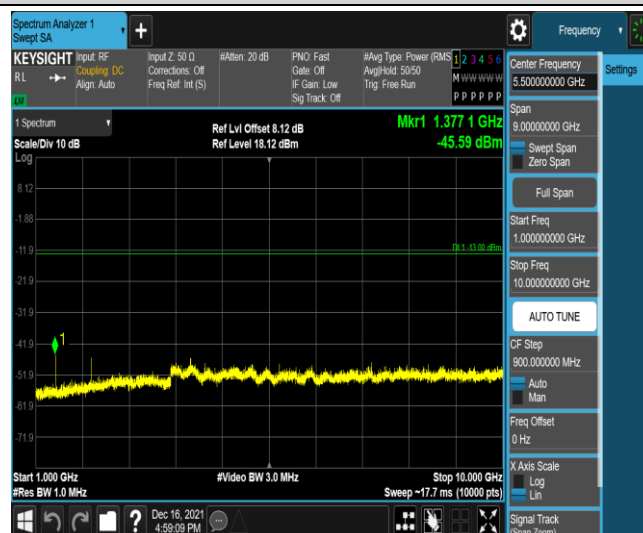
- Span:** 141.000000 kHz
- Sweep Span:** Zero Span
- Full Span:** [Button]
- Start Freq:** 9.000 kHz
- Stop Freq:** 150.000 kHz
- AUTO TUNE:** [Button]
- CF Step:** 14.100 kHz
- Auto Man:** [Buttons]
- Freq Offset:** 0 Hz
- X Axis Scale:** Log [Button], Lin [Button]
- Signal Track:** (Scan Zoom)

Bottom Panel:

- Windows:** [Icons]
- Help:** [Icon]
- Date/Time:** Dec 16, 2021 4:58:32 PM
- Navigation:** [Icons]



Band71-10MHz-QPSK-133422-1RB#0-Range3:30~1000MHz



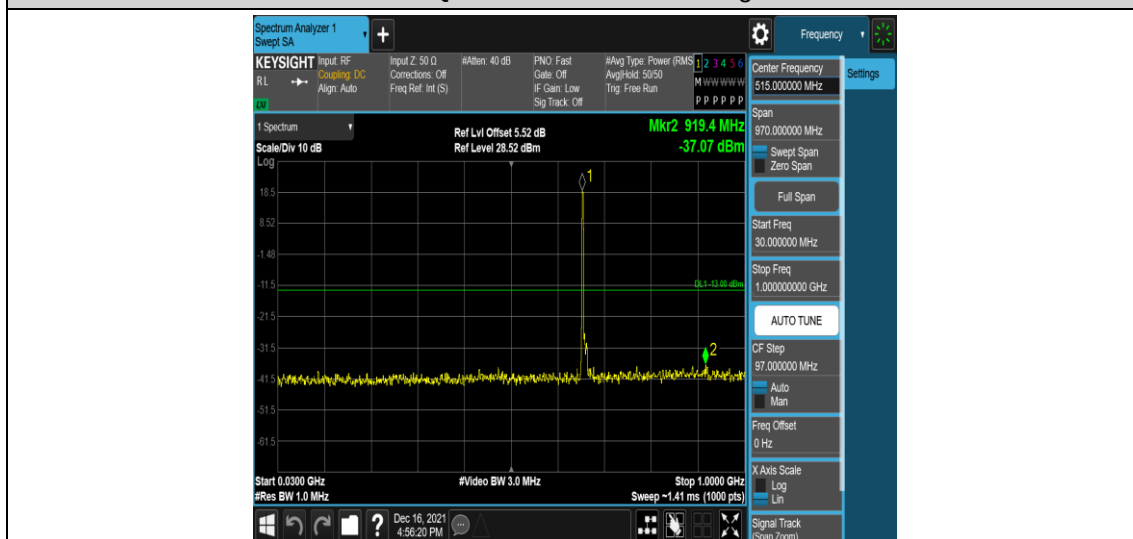
Band71-10MHz-QPSK-133422-1RB#0-Range4:1000~10000MHz



Band71-10MHz-16QAM-133172-1RB#0-Range1:0.009~0.15MHz



Band71-10MHz-16QAM-133172-1RB#0-Range2:0.15~30MHz



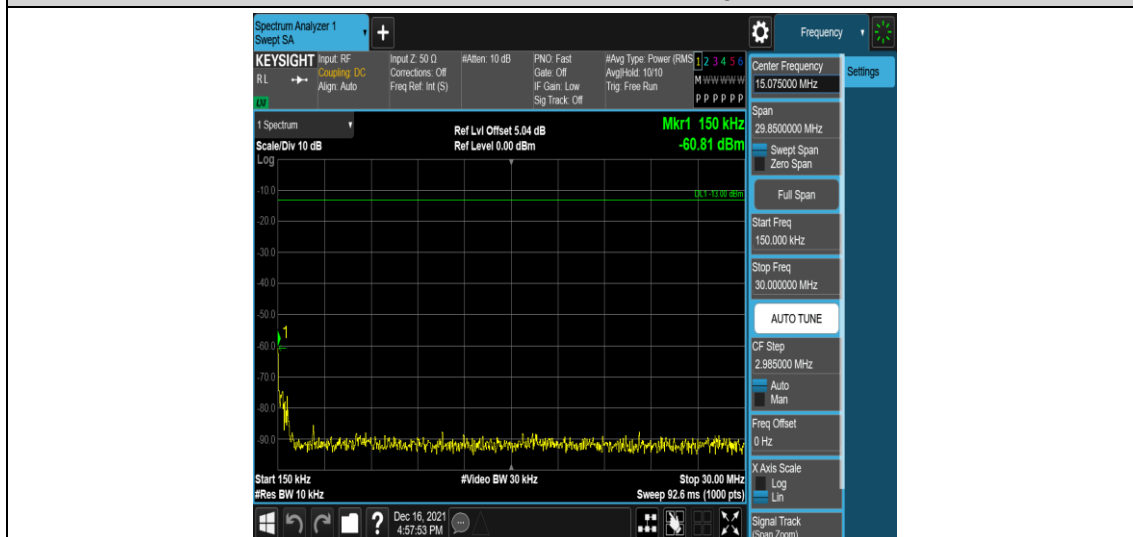
Band71-10MHz-16QAM-133172-1RB#0-Range3:30~1000MHz



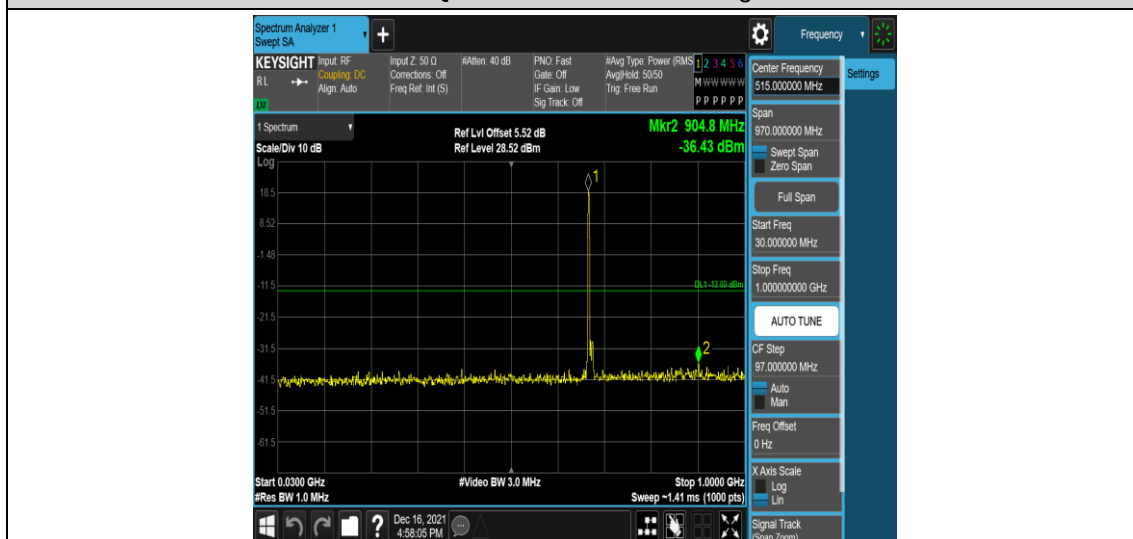
Band71-10MHz-16QAM-133172-1RB#0-Range4:1000~10000MHz



Band71-10MHz-16QAM-133297-1RB#0-Range1:0.009~0.15MHz



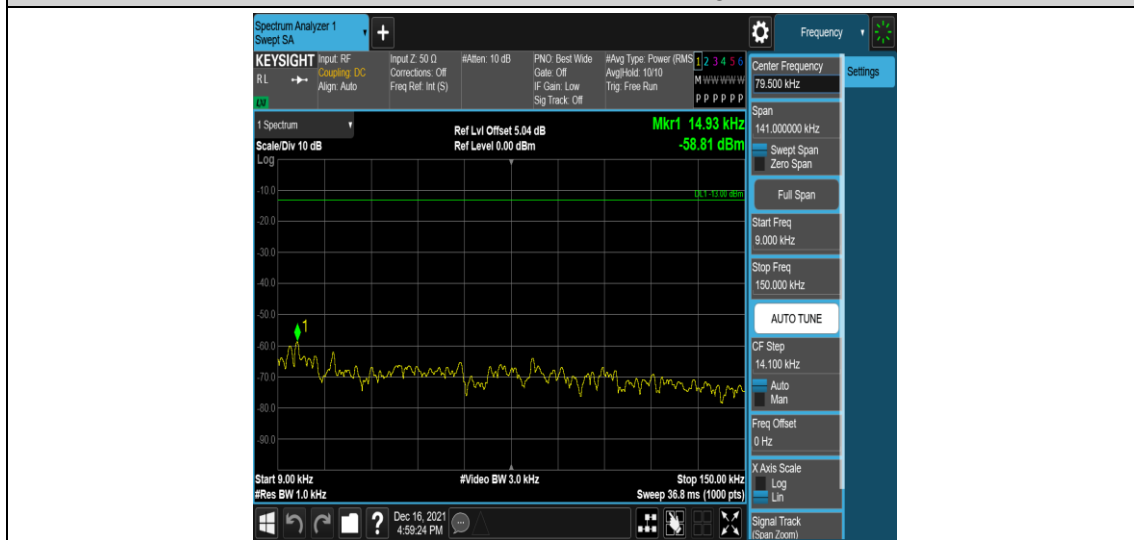
Band71-10MHz-16QAM-133297-1RB#0-Range2:0.15~30MHz



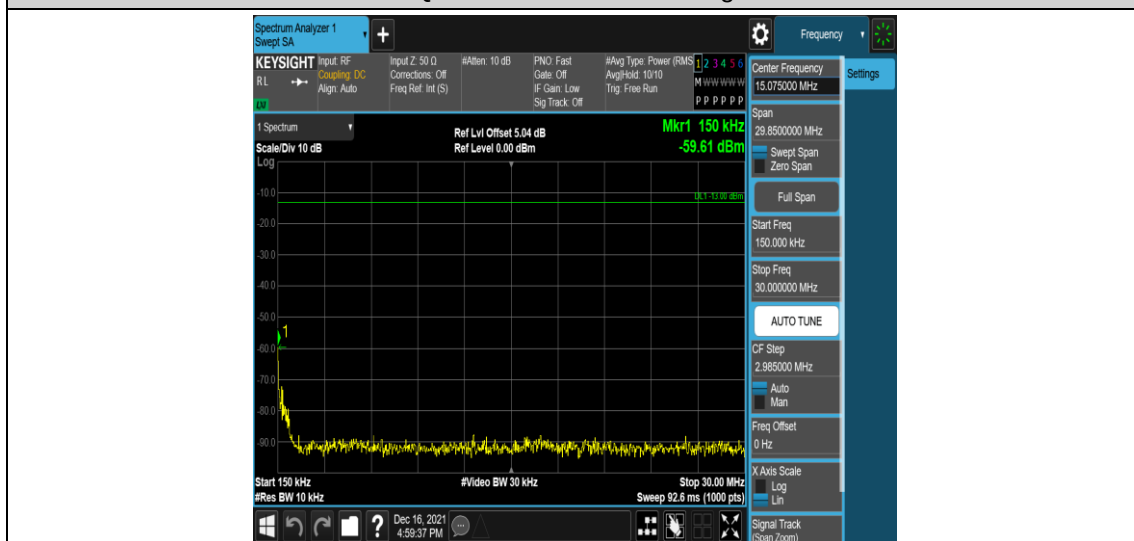
Band71-10MHz-16QAM-133297-1RB#0-Range3:30~1000MHz



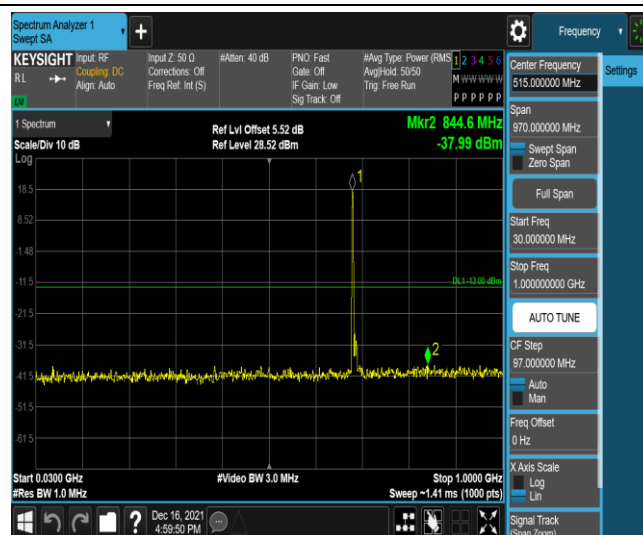
Band71-10MHz-16QAM-133297-1RB#0-Range4:1000~10000MHz



Band71-10MHz-16QAM-133422-1RB#0-Range1:0.009~0.15MHz



Band71-10MHz-16QAM-133422-1RB#0-Range2:0.15~30MHz



Band71-10MHz-16QAM-133422-1RB#0-Range3:30~1000MHz



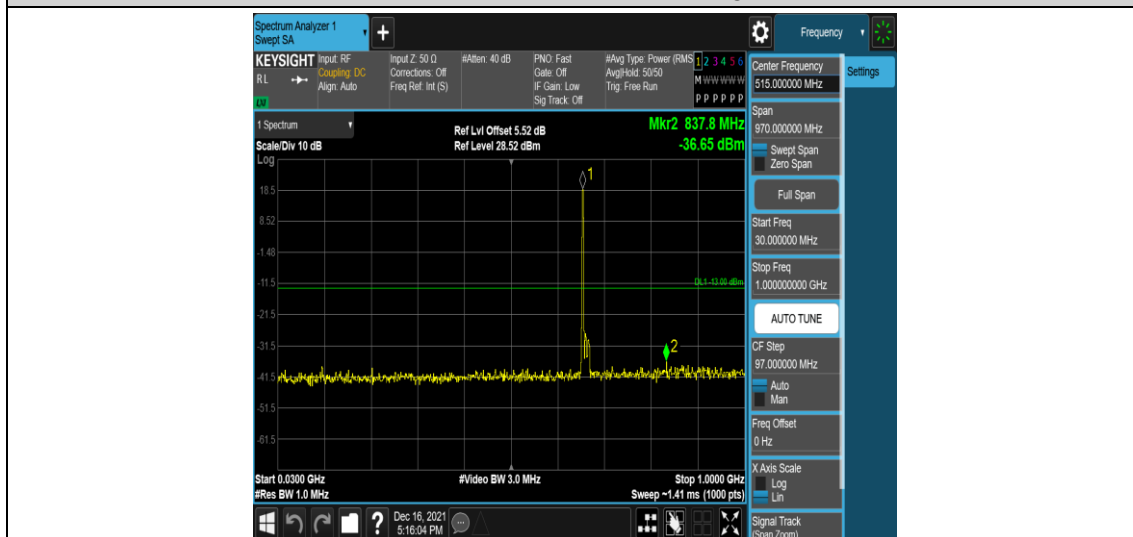
Band71-10MHz-16QAM-133422-1RB#0-Range4:1000~10000MHz



Band71-15MHz-QPSK-133197-1RB#0-Range1:0.009~0.15MHz



Band71-15MHz-QPSK-133197-1RB#0-Range2:0.15~30MHz



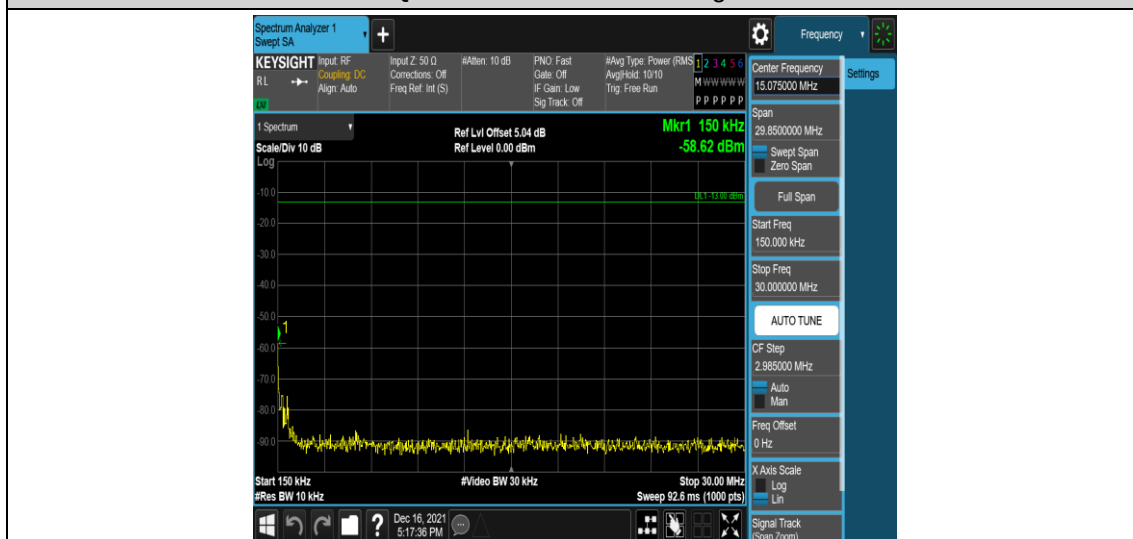
Band71-15MHz-QPSK-133197-1RB#0-Range3:30~1000MHz



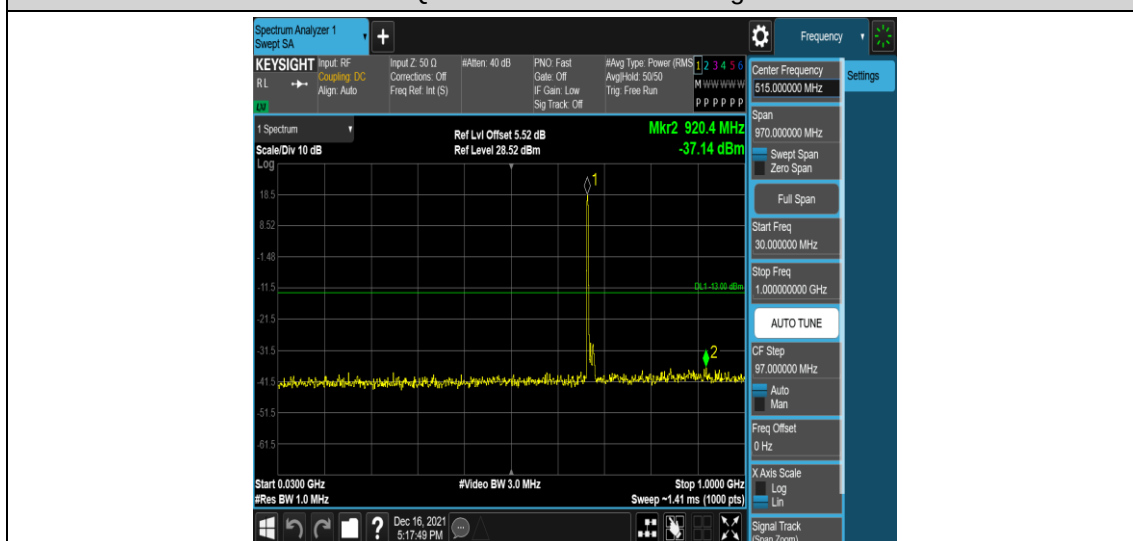
Band71-15MHz-QPSK-133197-1RB#0-Range4:1000~10000MHz



Band71-15MHz-QPSK-133297-1RB#0-Range1:0.009~0.15MHz



Band71-15MHz-QPSK-133297-1RB#0-Range2:0.15~30MHz



Band71-15MHz-QPSK-133297-1RB#0-Range3:30~1000MHz