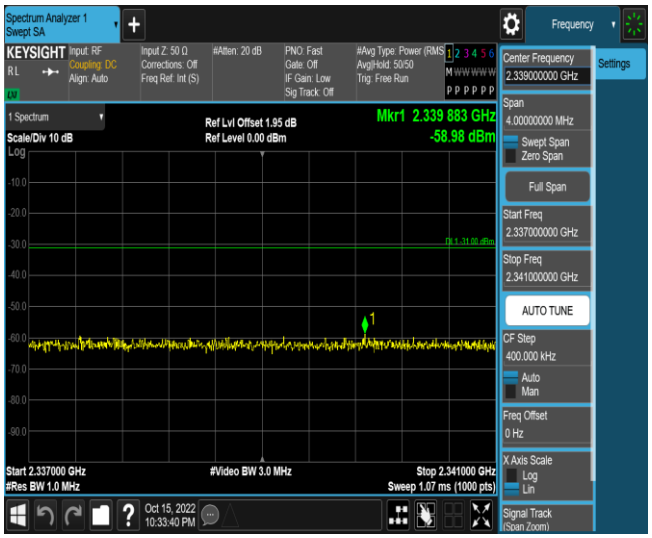
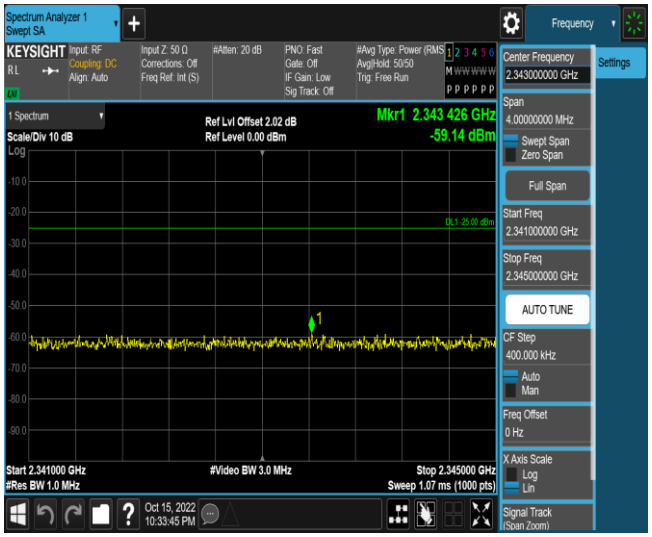
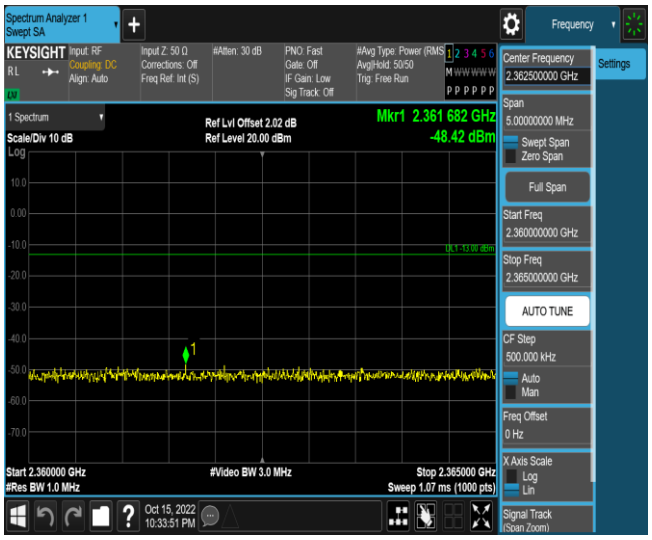


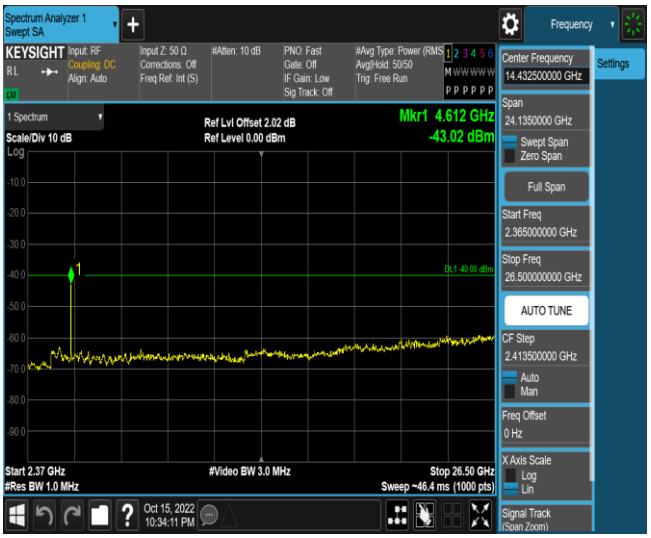
Band40-5MHz-16QAM-38750-1RB#0-Range13:2341~2345MHz



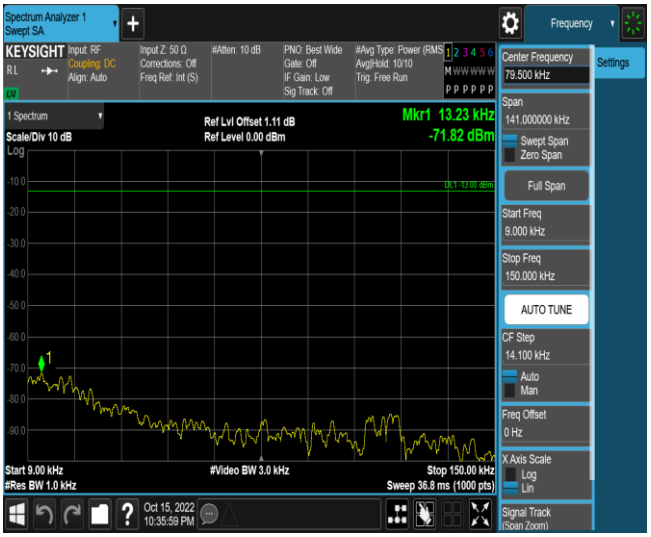
Band40-5MHz-16QAM-38750-1RB#0-Range14:2360~2365MHz



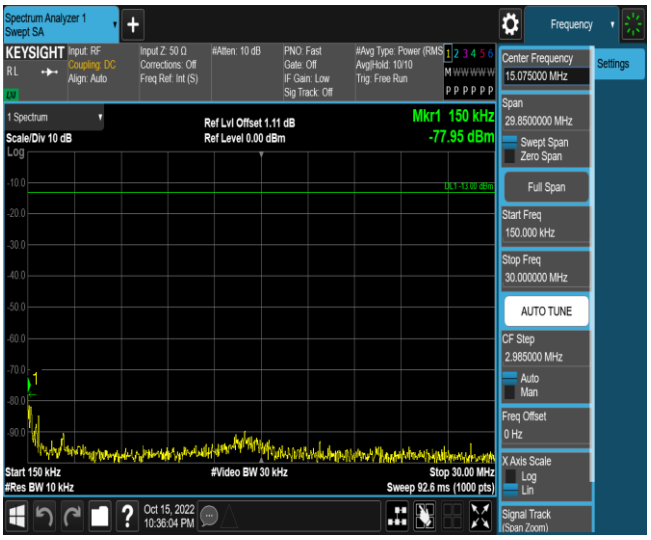
Band40-5MHz-16QAM-38750-1RB#0-Range15:2365~26500MHz



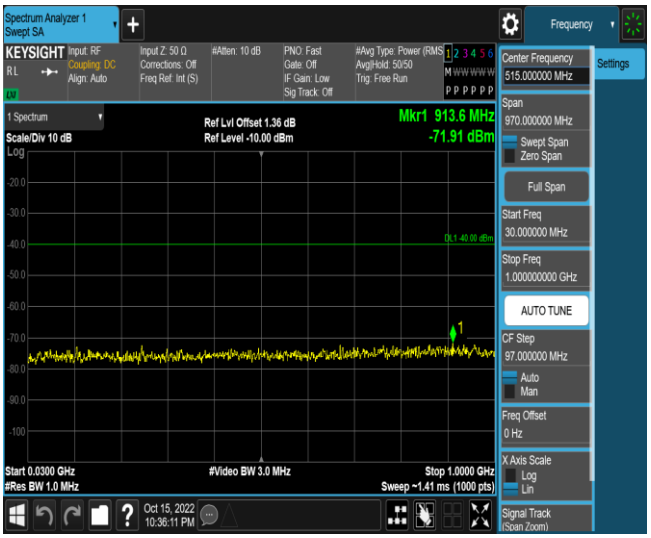
Band40-5MHz-16QAM-38775-1RB#0-Range1:0.009~0.15MHz



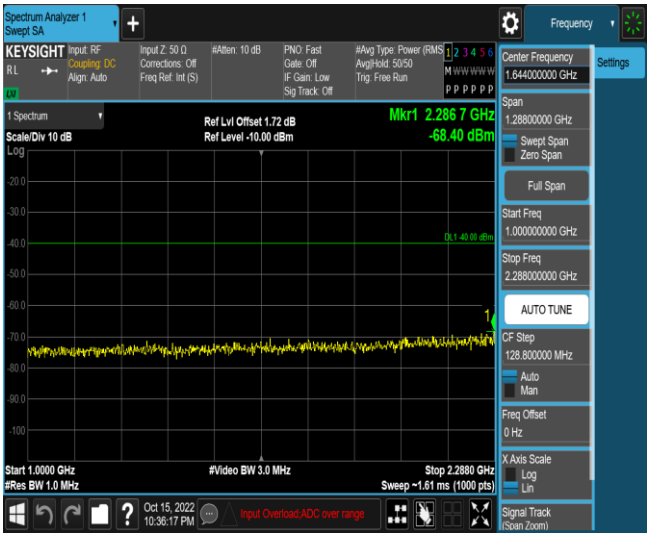
Band40-5MHz-16QAM-38775-1RB#0-Range2:0.15~30MHz



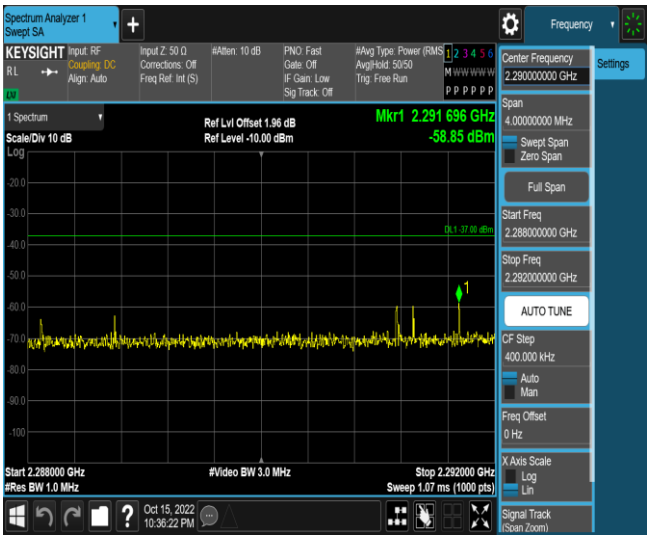
Band40-5MHz-16QAM-38775-1RB#0-Range3:30~1000MHz



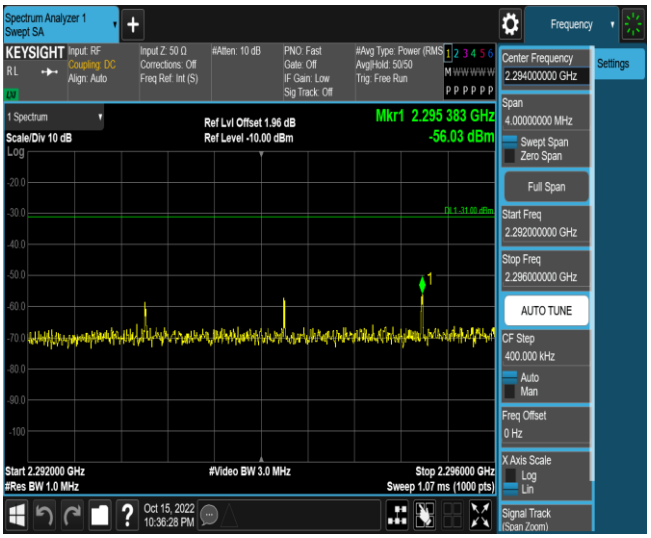
Band40-5MHz-16QAM-38775-1RB#0-Range4:1000~2288MHz



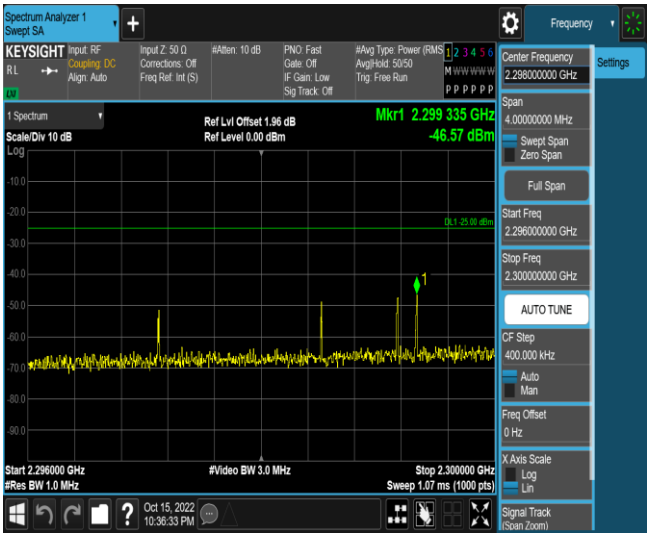
Band40-5MHz-16QAM-38775-1RB#0-Range5:2288~2292MHz



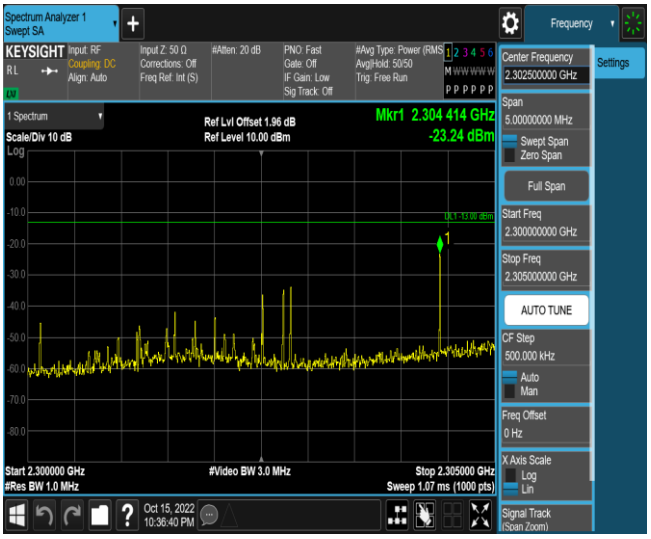
Band40-5MHz-16QAM-38775-1RB#0-Range6:2292~2296MHz



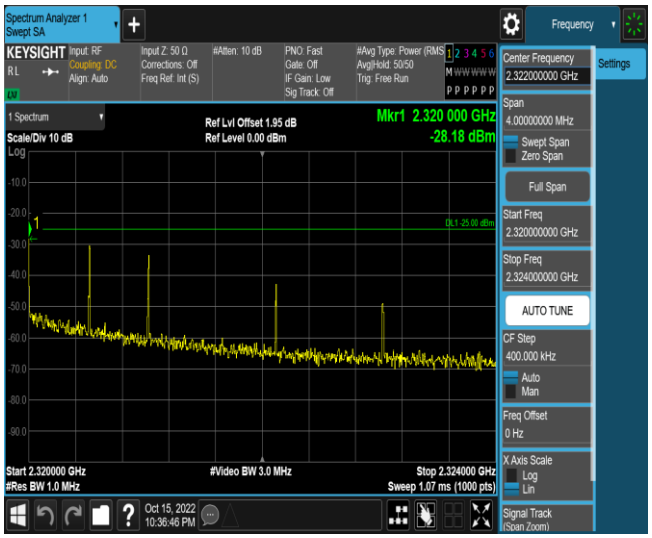
Band40-5MHz-16QAM-38775-1RB#0-Range7:2296~2300MHz



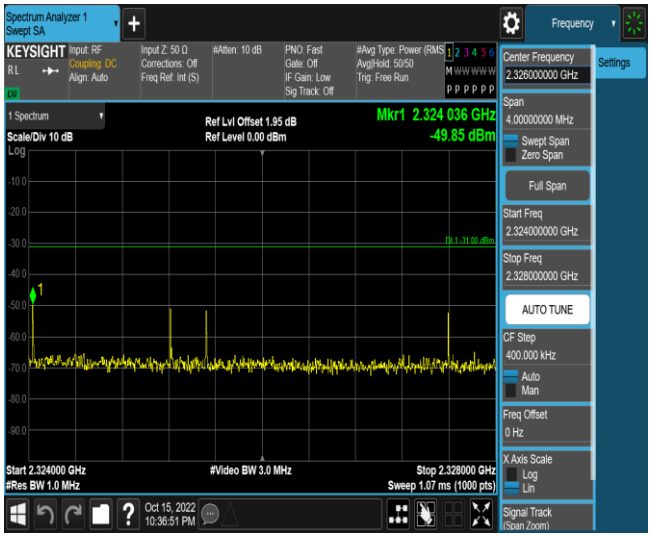
Band40-5MHz-16QAM-38775-1RB#0-Range8:2300~2305MHz



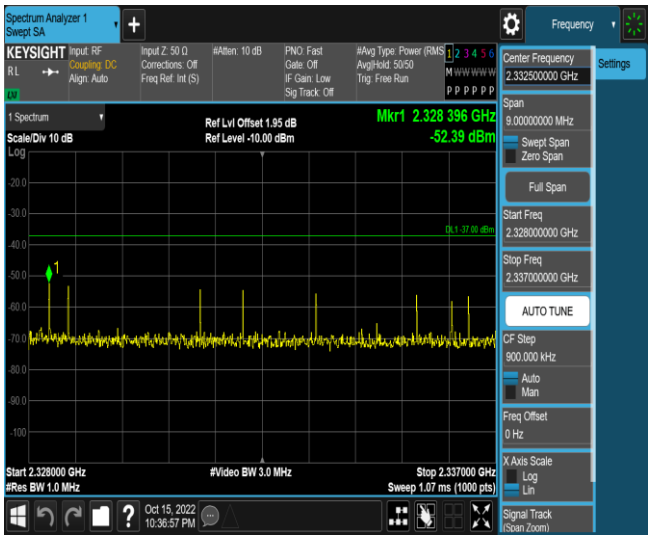
Band40-5MHz-16QAM-38775-1RB#0-Range9:2320~2324MHz



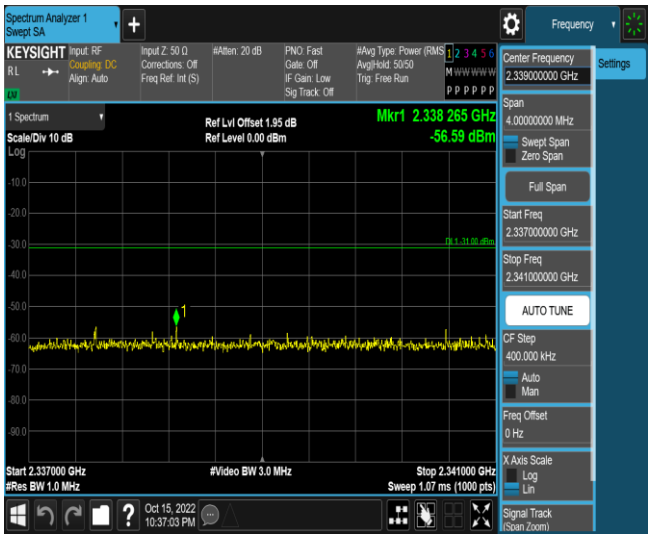
Band40-5MHz-16QAM-38775-1RB#0-Range10:2324~2328MHz



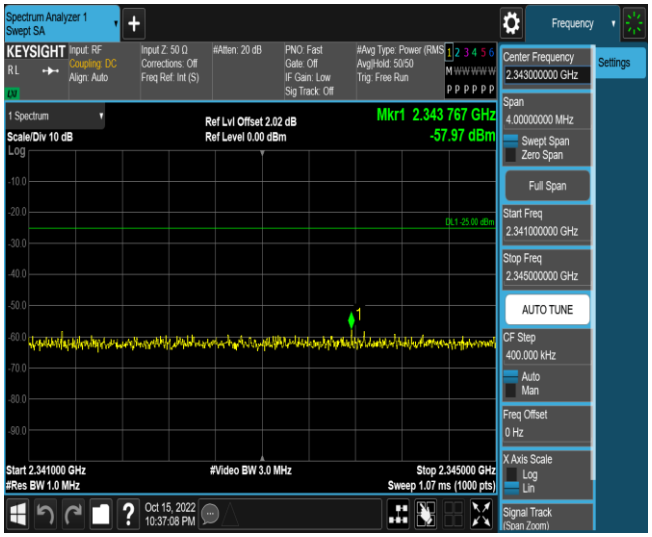
Band40-5MHz-16QAM-38775-1RB#0-Range11:2328~2337MHz



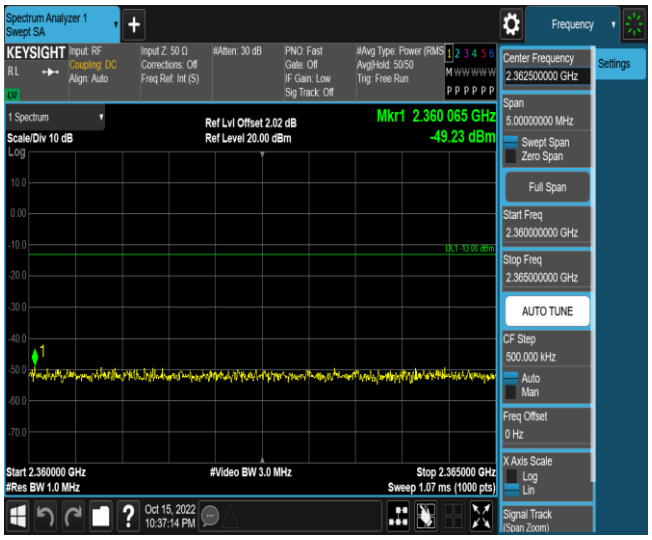
Band40-5MHz-16QAM-38775-1RB#0-Range12:2337~2341MHz



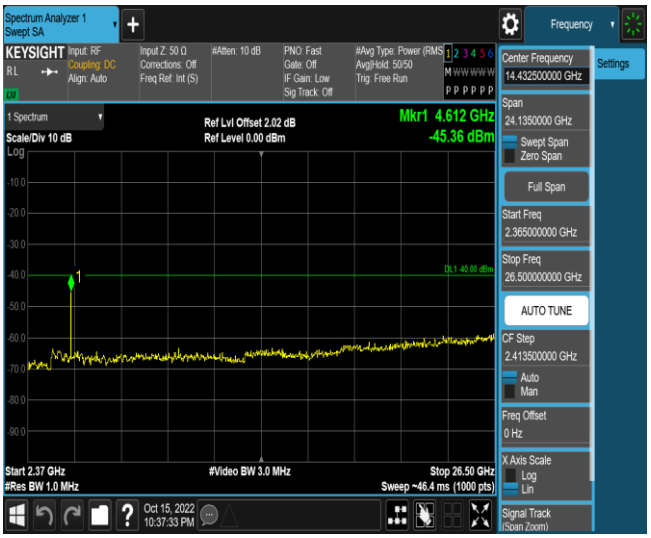
Band40-5MHz-16QAM-38775-1RB#0-Range13:2341~2345MHz



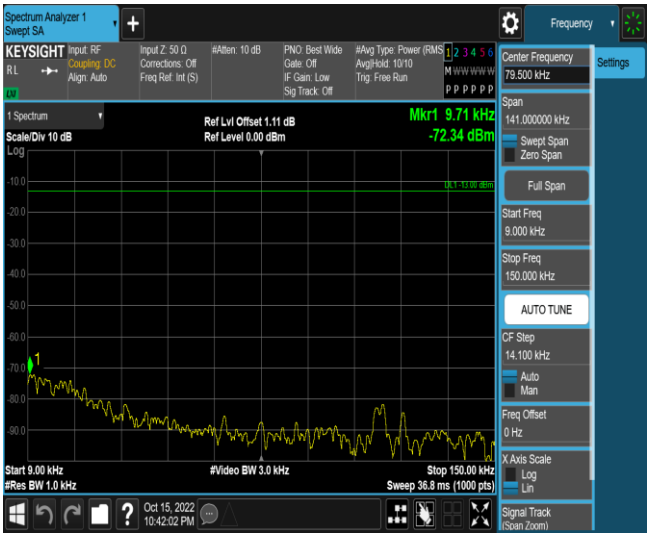
Band40-5MHz-16QAM-38775-1RB#0-Range14:2360~2365MHz



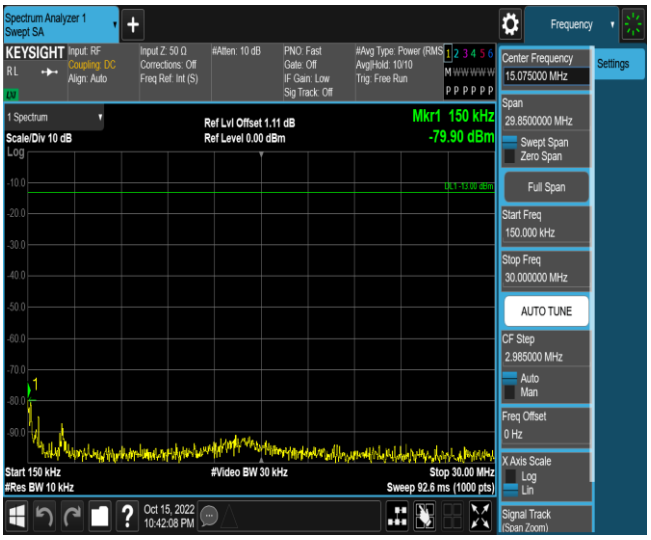
Band40-5MHz-16QAM-38775-1RB#0-Range15:2365~26500MHz



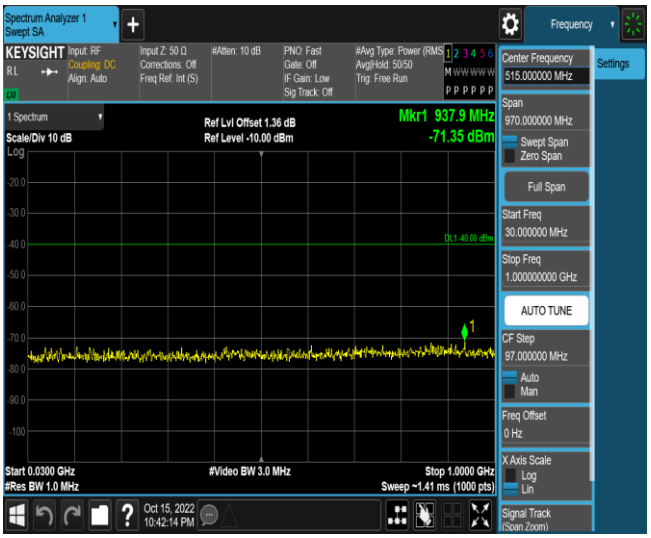
Band40-10MHz-QPSK-38750-1RB#0-Range1:0.009~0.15MHz



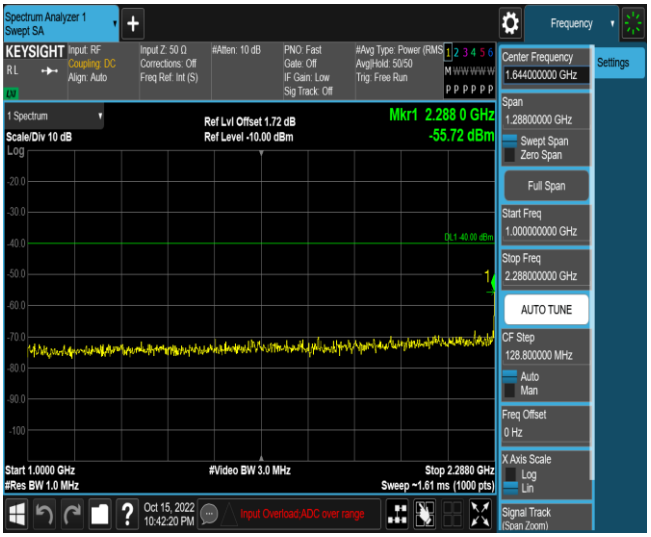
Band40-10MHz-QPSK-38750-1RB#0-Range2:0.15~30MHz



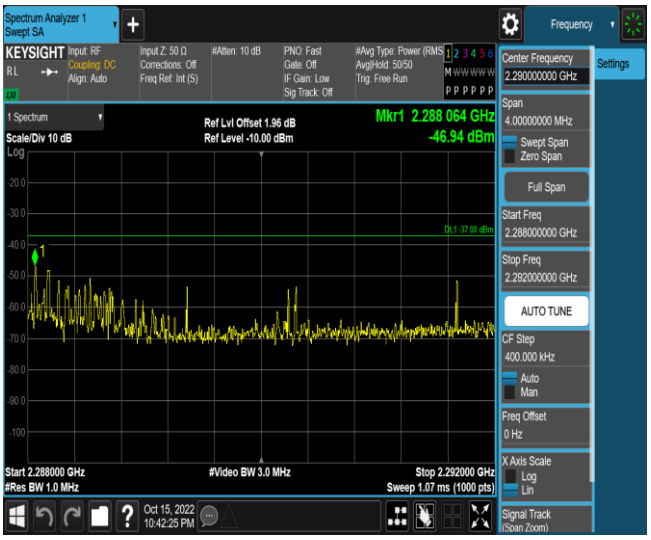
Band40-10MHz-QPSK-38750-1RB#0-Range3:30~1000MHz



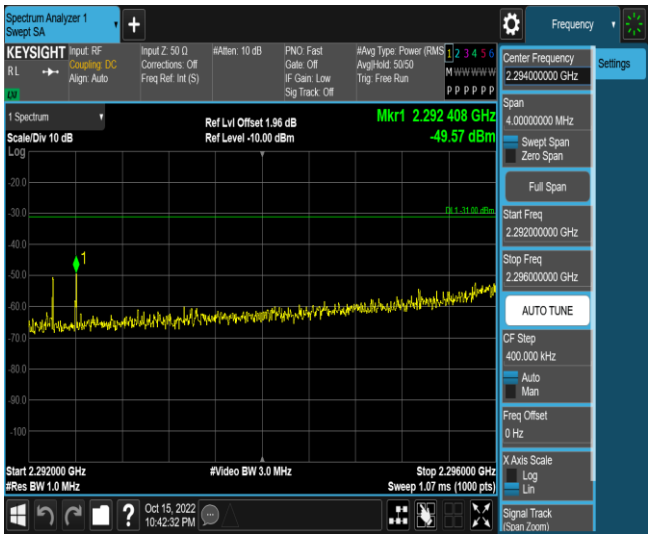
Band40-10MHz-QPSK-38750-1RB#0-Range4:1000~2288MHz



Band40-10MHz-QPSK-38750-1RB#0-Range5:2288~2292MHz

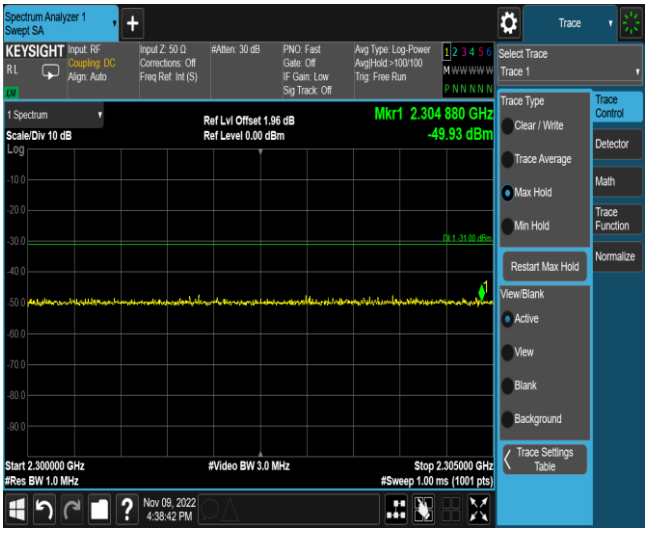


Band40-10MHz-QPSK-38750-1RB#0-Range6:2292~2296MHz

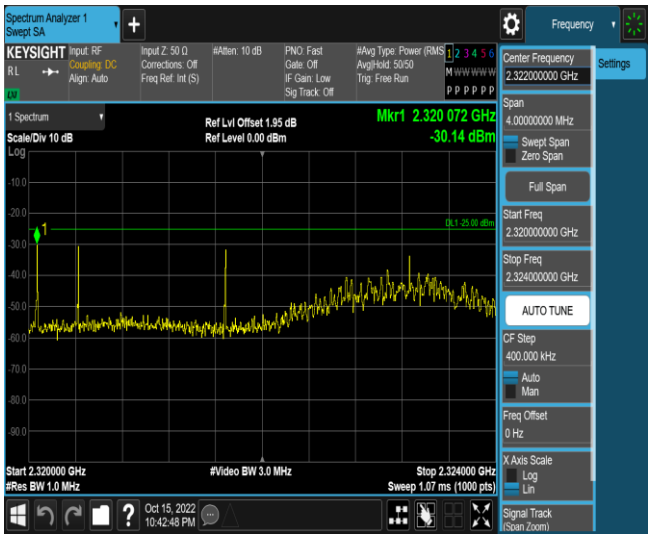


Band40-10MHz-QPSK-38750-1RB#0-Range7:2296~2300MHz

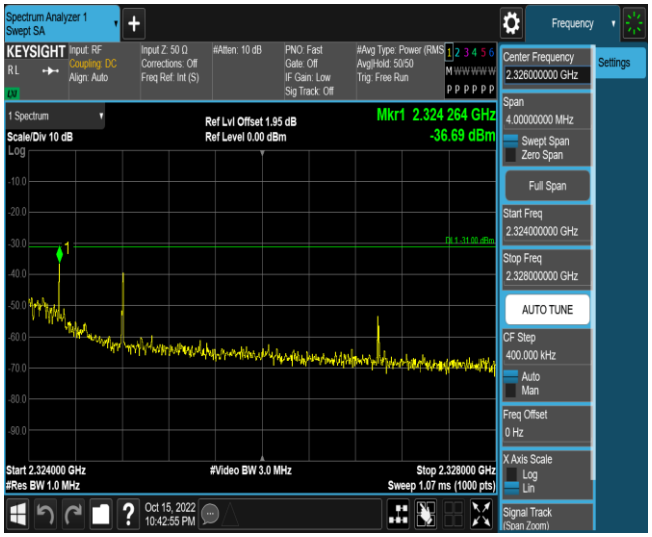
Band40-10MHz-QPSK-38750-1RB#0-Range8:2300~2305MHz



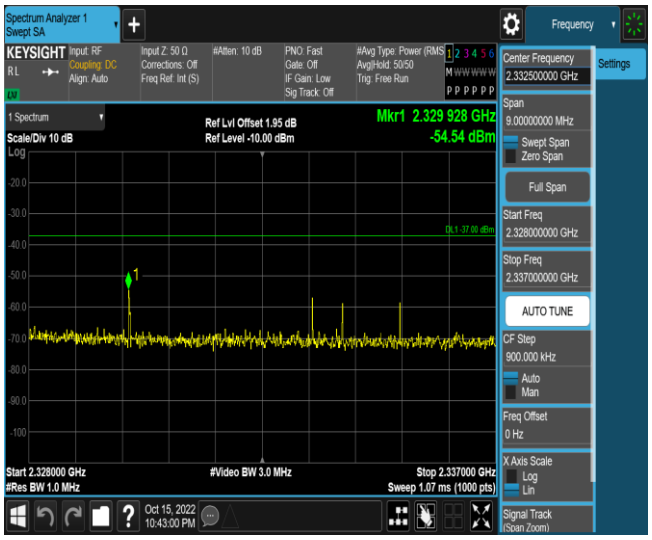
Band40-10MHz-QPSK-38750-1RB#0-Range9:2320~2324MHz



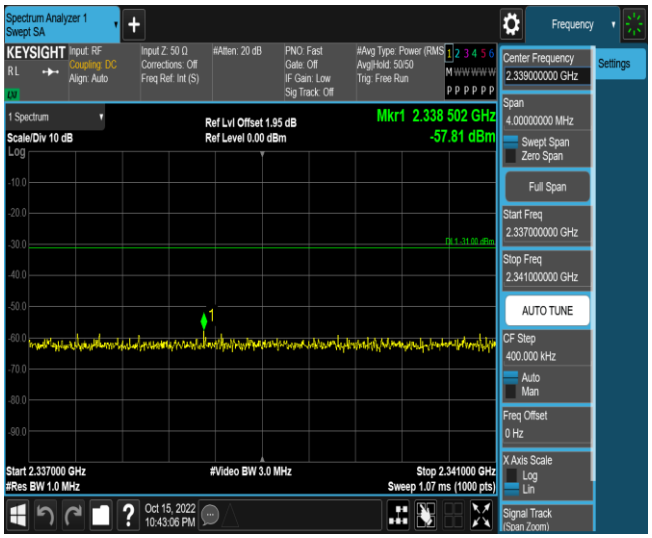
Band40-10MHz-QPSK-38750-1RB#0-Range10:2324~2328MHz



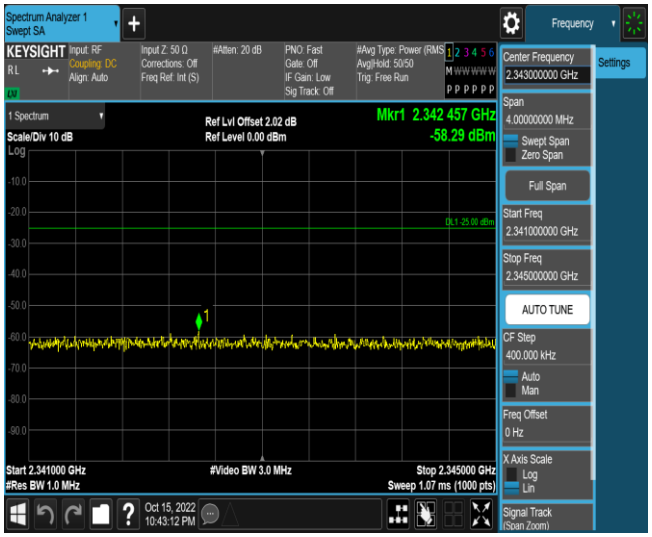
Band40-10MHz-QPSK-38750-1RB#0-Range11:2328~2337MHz



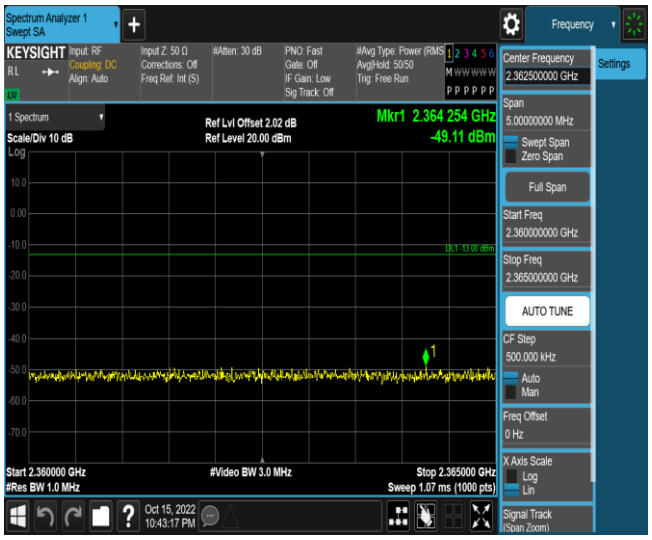
Band40-10MHz-QPSK-38750-1RB#0-Range12:2337~2341MHz



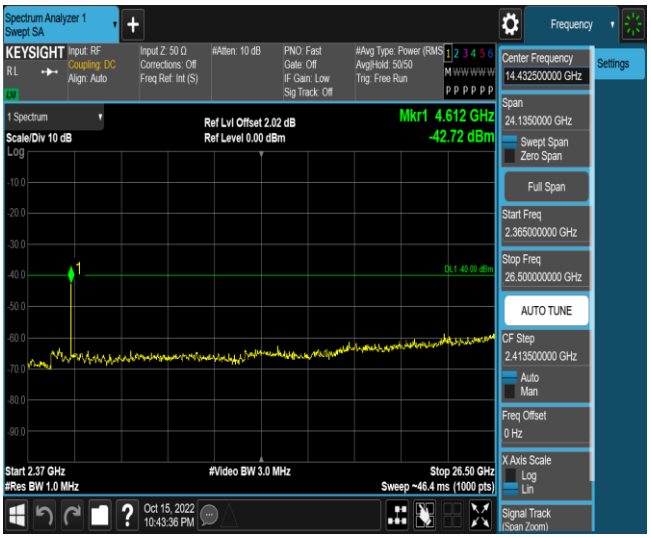
Band40-10MHz-QPSK-38750-1RB#0-Range13:2341~2345MHz



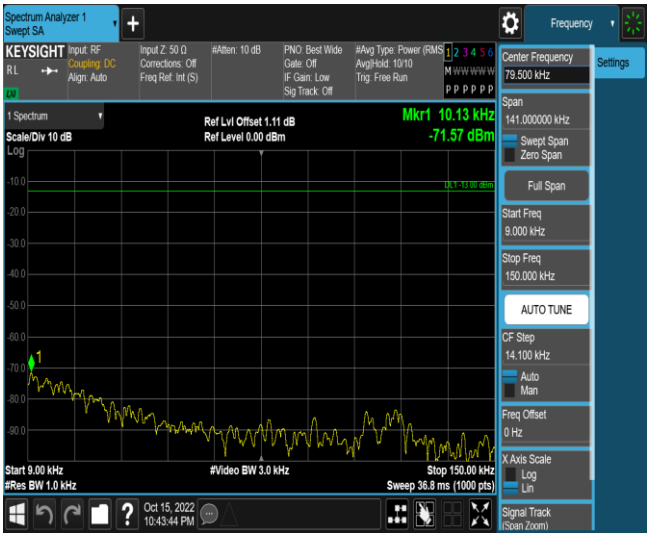
Band40-10MHz-QPSK-38750-1RB#0-Range14:2360~2365MHz



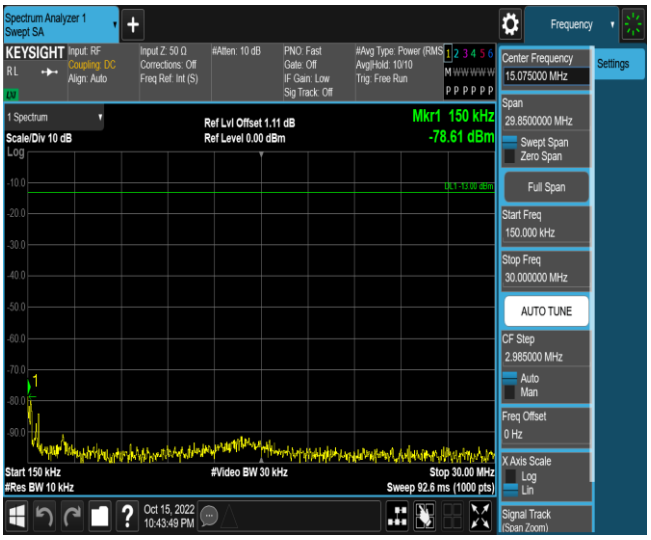
Band40-10MHz-QPSK-38750-1RB#0-Range15:2365~26500MHz



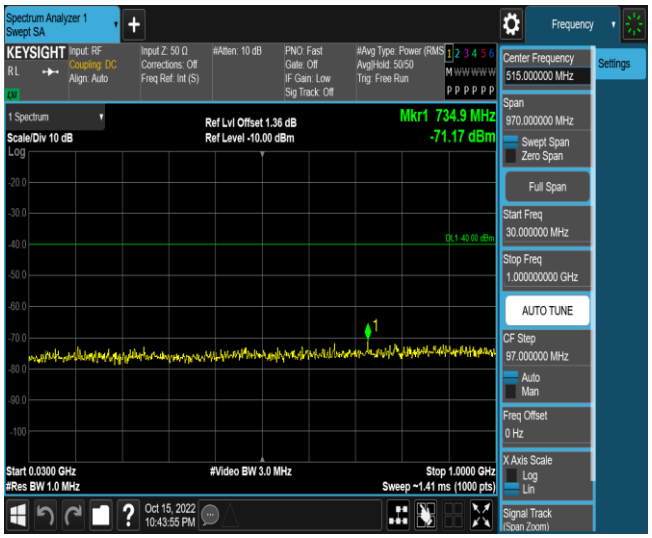
Band40-10MHz-16QAM-38750-1RB#0-Range1:0.009~0.15MHz



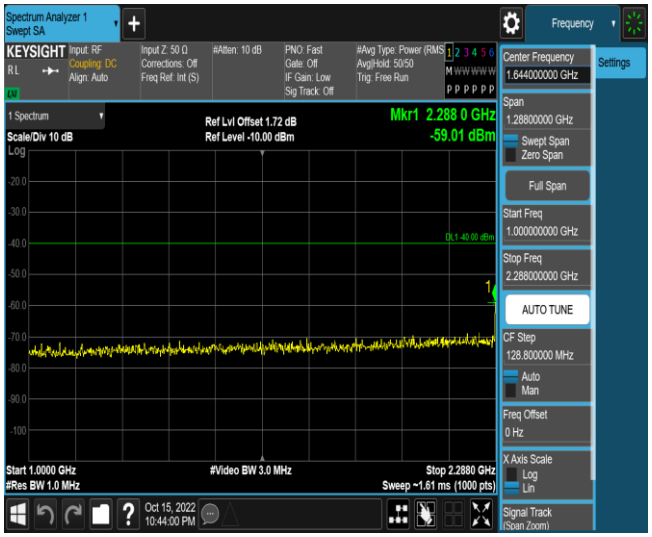
Band40-10MHz-16QAM-38750-1RB#0-Range2:0.15~30MHz



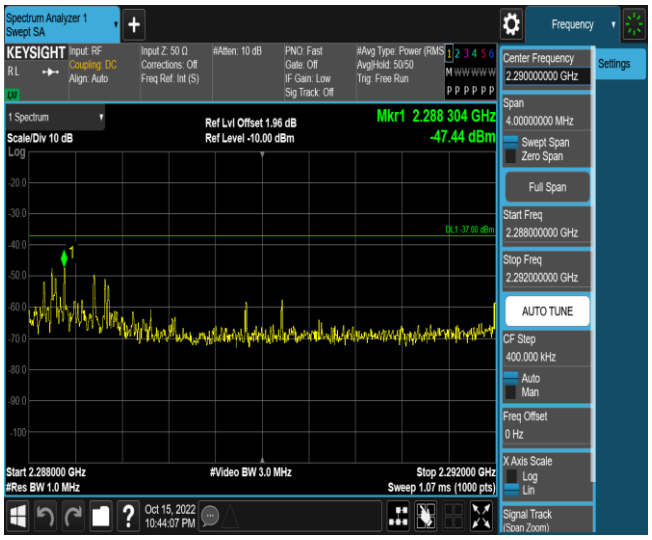
Band40-10MHz-16QAM-38750-1RB#0-Range3:30~1000MHz



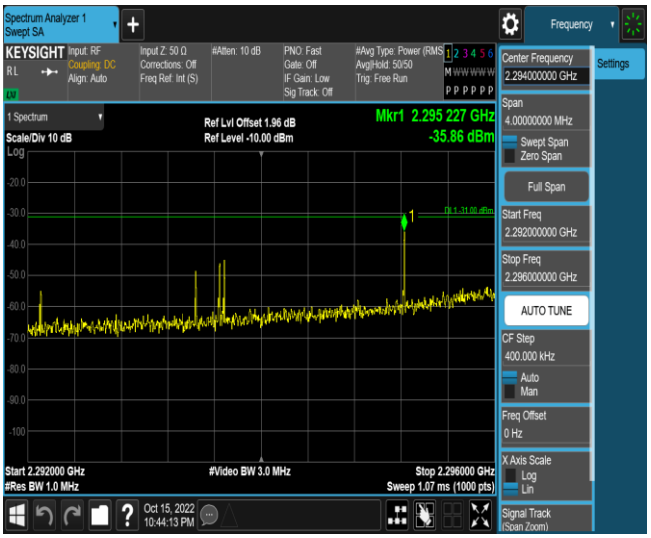
Band40-10MHz-16QAM-38750-1RB#0-Range4:1000~2288MHz



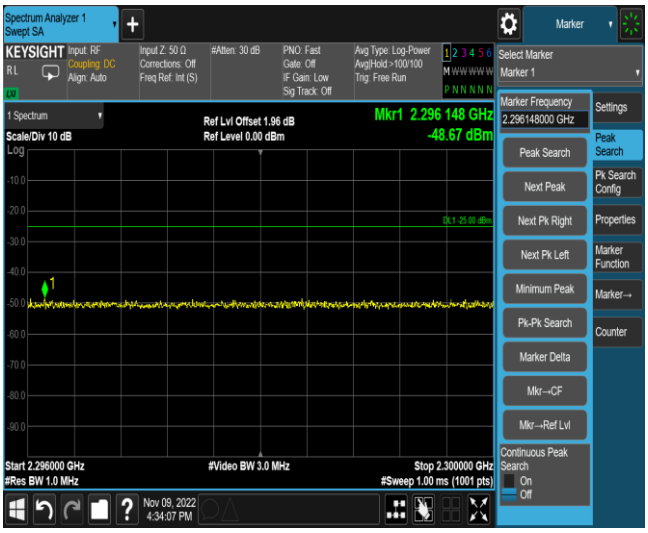
Band40-10MHz-16QAM-38750-1RB#0-Range5:2288~2292MHz



Band40-10MHz-16QAM-38750-1RB#0-Range6:2292~2296MHz

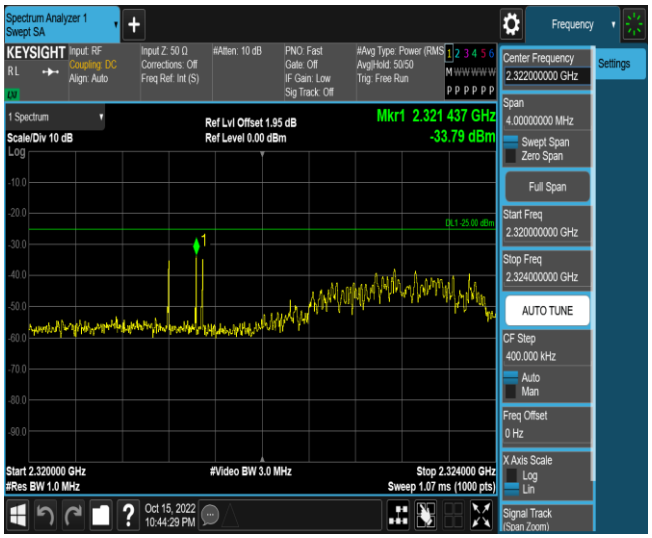


Band40-10MHz-16QAM-38750-1RB#0-Range7:2296~2300MHz

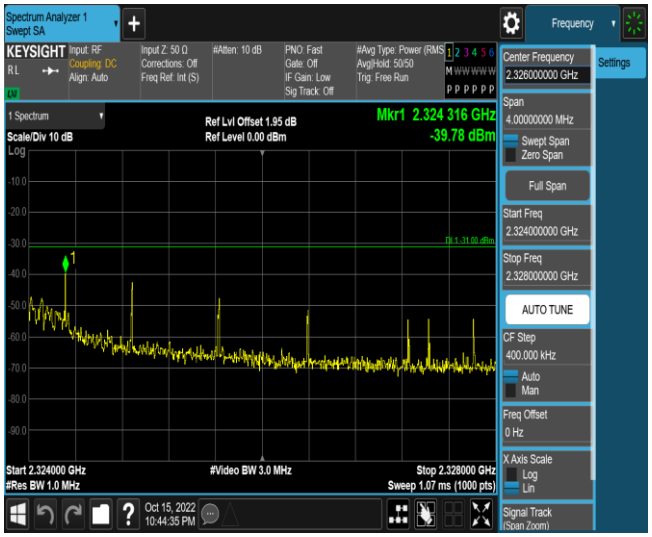


Band40-10MHz-16QAM-38750-1RB#0-Range8:2300~2305MHz

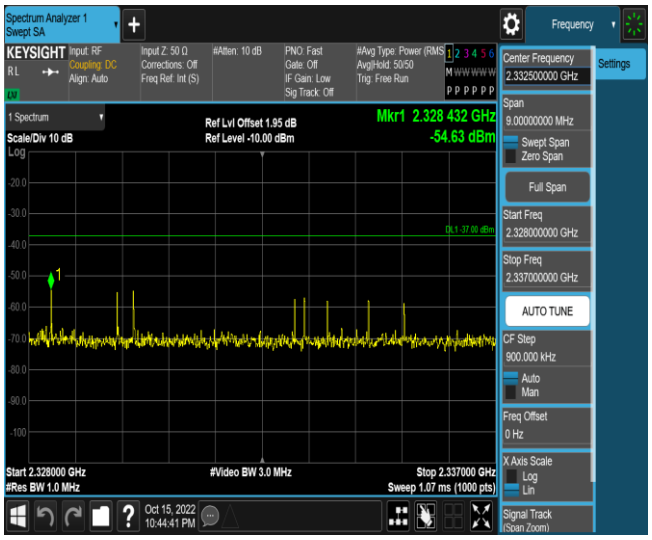
Band40-10MHz-16QAM-38750-1RB#0-Range9:2320~2324MHz



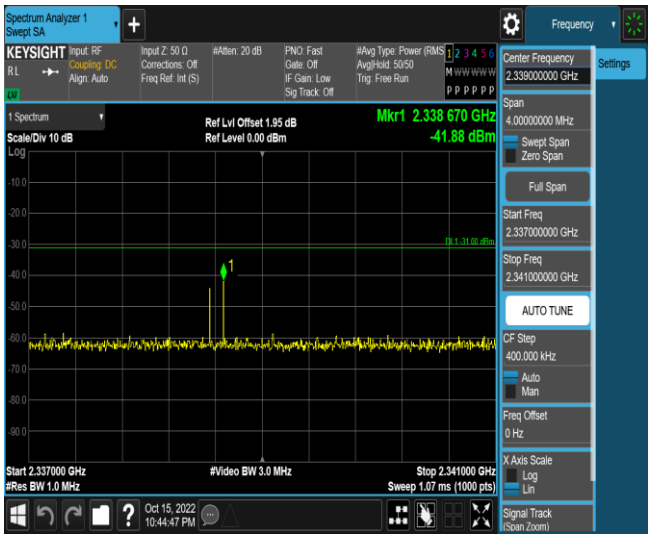
Band40-10MHz-16QAM-38750-1RB#0-Range10:2324~2328MHz



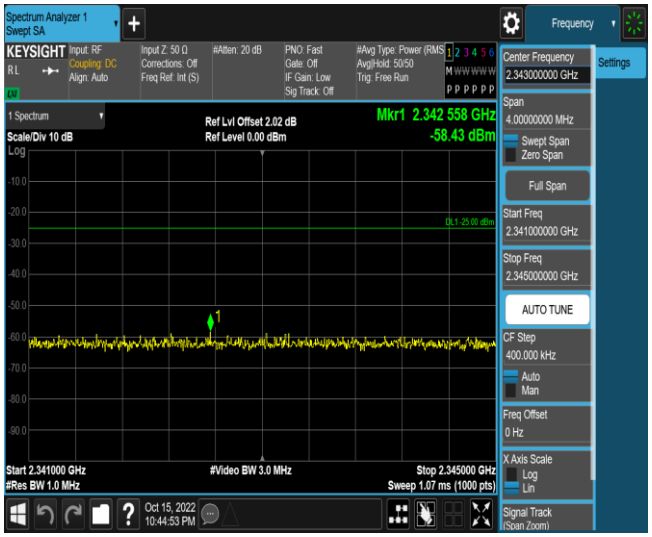
Band40-10MHz-16QAM-38750-1RB#0-Range11:2328~2337MHz



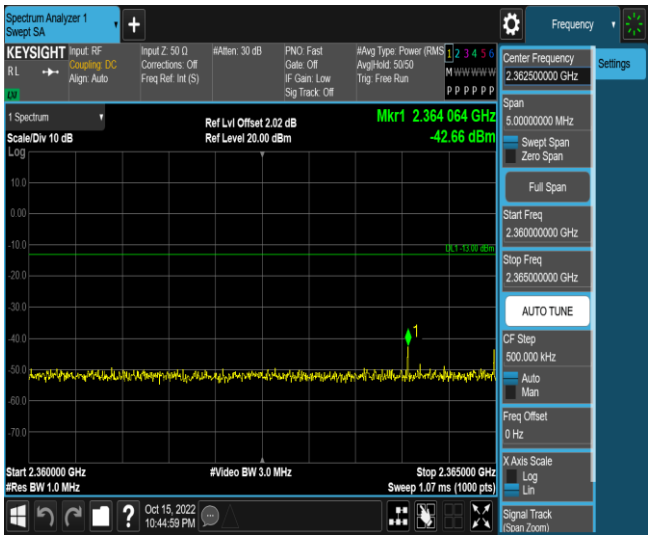
Band40-10MHz-16QAM-38750-1RB#0-Range12:2337~2341MHz



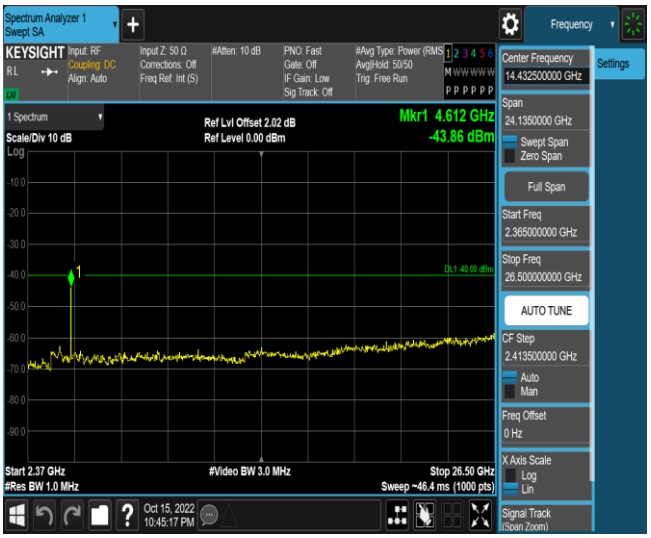
Band40-10MHz-16QAM-38750-1RB#0-Range13:2341~2345MHz



Band40-10MHz-16QAM-38750-1RB#0-Range14:2360~2365MHz



Band40-10MHz-16QAM-38750-1RB#0-Range15:2365~26500MHz


Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
#Atten: 10 dB
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
#Avg Type: Power (RMS)
Avg|Hold: 50/50
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 2.02 dB
Ref Level 0.00 dBm
Mkr1 4.612 GHz
-43.86 dBm
Start 2.37 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz
Stop 26.50 GHz
Sweep ~46.4 ms (1000 pts)
Oct 15, 2022
10:45:17 PM
Frequency
Settings
Center Frequency
14.432500000 GHz
Span
24.1350000 GHz
Swept Span
Zero Span
Full Span
Start Freq
2.365000000 GHz
Stop Freq
26.500000000 GHz
AUTO TUNE
CF Step
2.413500000 GHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)

Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band40	5MHz	QPSK	38725	25RB#0	VL	NT	-9.01	-0.003905	±2.5	PASS
Band40	5MHz	QPSK	38725	25RB#0	VN	NT	6.48	0.002808	±2.5	PASS
Band40	5MHz	QPSK	38725	25RB#0	VH	NT	-8.54	-0.003701	±2.5	PASS
Band40	5MHz	QPSK	38750	25RB#0	VL	NT	-4.31	-0.001866	±2.5	PASS
Band40	5MHz	QPSK	38750	25RB#0	VN	NT	14.41	0.006238	±2.5	PASS
Band40	5MHz	QPSK	38750	25RB#0	VH	NT	4.56	0.001974	±2.5	PASS
Band40	5MHz	QPSK	38775	25RB#0	VL	NT	-10.34	-0.004471	±2.5	PASS
Band40	5MHz	QPSK	38775	25RB#0	VN	NT	5.88	0.002543	±2.5	PASS
Band40	5MHz	QPSK	38775	25RB#0	VH	NT	-10.39	-0.004493	±2.5	PASS
Band40	5MHz	16QAM	38725	25RB#0	VL	NT	-14.76	-0.006397	±2.5	PASS
Band40	5MHz	16QAM	38725	25RB#0	VN	NT	-18.68	-0.008095	±2.5	PASS
Band40	5MHz	16QAM	38725	25RB#0	VH	NT	-15.18	-0.006579	±2.5	PASS
Band40	5MHz	16QAM	38750	25RB#0	VL	NT	-11.94	-0.005169	±2.5	PASS
Band40	5MHz	16QAM	38750	25RB#0	VN	NT	-4.06	-0.001758	±2.5	PASS
Band40	5MHz	16QAM	38750	25RB#0	VH	NT	-43.03	-0.018628	±2.5	PASS
Band40	5MHz	16QAM	38775	25RB#0	VL	NT	-6.71	-0.002902	±2.5	PASS
Band40	5MHz	16QAM	38775	25RB#0	VN	NT	7.12	0.003079	±2.5	PASS

Band40	5MHz	16QAM	38775	25RB#0	VH	NT	-7.93	-0.003429	±2.5	PASS
Band40	10MHz	QPSK	38750	50RB#0	VL	NT	-10.09	-0.004368	±2.5	PASS
Band40	10MHz	QPSK	38750	50RB#0	VN	NT	-5.91	-0.002558	±2.5	PASS
Band40	10MHz	QPSK	38750	50RB#0	VH	NT	-7.00	-0.003030	±2.5	PASS
Band40	10MHz	16QAM	38750	50RB#0	VL	NT	-7.45	-0.003225	±2.5	PASS
Band40	10MHz	16QAM	38750	50RB#0	VN	NT	6.65	0.002879	±2.5	PASS
Band40	10MHz	16QAM	38750	50RB#0	VH	NT	-4.71	-0.002039	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band40	5MHz	QPSK	38725	25RB#0	NV	-30	-9.18	-0.003978	±2.5	PASS
Band40	5MHz	QPSK	38725	25RB#0	NV	-20	-10.30	-0.004464	±2.5	PASS
Band40	5MHz	QPSK	38725	25RB#0	NV	0	-4.84	-0.002098	±2.5	PASS
Band40	5MHz	QPSK	38725	25RB#0	NV	10	-5.84	-0.002531	±2.5	PASS
Band40	5MHz	QPSK	38725	25RB#0	NV	20	-7.30	-0.003164	±2.5	PASS
Band40	5MHz	QPSK	38750	25RB#0	NV	-30	3.58	0.001550	±2.5	PASS
Band40	5MHz	QPSK	38750	25RB#0	NV	-20	-10.76	-0.004658	±2.5	PASS
Band40	5MHz	QPSK	38750	25RB#0	NV	0	-11.50	-0.004978	±2.5	PASS
Band40	5MHz	QPSK	38750	25RB#0	NV	10	-10.40	-0.004502	±2.5	PASS
Band40	5MHz	QPSK	38750	25RB#0	NV	20	4.68	0.002026	±2.5	PASS
Band40	5MHz	QPSK	38775	25RB#0	NV	-30	-13.29	-0.005747	±2.5	PASS
Band40	5MHz	QPSK	38775	25RB#0	NV	-20	-5.72	-0.002474	±2.5	PASS

Band40	5MHz	QPSK	38775	25RB#0	NV	0	-11.80	-0.005103	±2.5	PASS
Band40	5MHz	QPSK	38775	25RB#0	NV	10	7.05	0.003049	±2.5	PASS
Band40	5MHz	QPSK	38775	25RB#0	NV	20	-4.99	-0.002158	±2.5	PASS
Band40	5MHz	16QAM	38725	25RB#0	NV	-30	-15.48	-0.006709	±2.5	PASS
Band40	5MHz	16QAM	38725	25RB#0	NV	-20	-6.59	-0.002856	±2.5	PASS
Band40	5MHz	16QAM	38725	25RB#0	NV	0	-6.57	-0.002847	±2.5	PASS
Band40	5MHz	16QAM	38725	25RB#0	NV	10	-8.04	-0.003484	±2.5	PASS
Band40	5MHz	16QAM	38725	25RB#0	NV	20	-7.71	-0.003341	±2.5	PASS
Band40	5MHz	16QAM	38750	25RB#0	NV	-30	-14.29	-0.006186	±2.5	PASS
Band40	5MHz	16QAM	38750	25RB#0	NV	-20	-16.55	-0.007165	±2.5	PASS
Band40	5MHz	16QAM	38750	25RB#0	NV	0	-13.80	-0.005974	±2.5	PASS
Band40	5MHz	16QAM	38750	25RB#0	NV	10	-15.71	-0.006801	±2.5	PASS
Band40	5MHz	16QAM	38750	25RB#0	NV	20	-13.83	-0.005987	±2.5	PASS
Band40	5MHz	16QAM	38775	25RB#0	NV	-30	-12.39	-0.005358	±2.5	PASS
Band40	5MHz	16QAM	38775	25RB#0	NV	-20	9.56	0.004134	±2.5	PASS
Band40	5MHz	16QAM	38775	25RB#0	NV	0	-10.23	-0.004424	±2.5	PASS
Band40	5MHz	16QAM	38775	25RB#0	NV	10	-4.15	-0.001795	±2.5	PASS
Band40	5MHz	16QAM	38775	25RB#0	NV	20	-7.54	-0.003261	±2.5	PASS
Band40	10MHz	QPSK	38750	50RB#0	NV	-30	2.46	0.001065	±2.5	PASS
Band40	10MHz	QPSK	38750	50RB#0	NV	-20	-6.09	-0.002636	±2.5	PASS
Band40	10MHz	QPSK	38750	50RB#0	NV	0	-5.46	-0.002364	±2.5	PASS

Band40	10MHz	QPSK	38750	50RB#0	NV	10	4.12	0.001784	±2.5	PASS
Band40	10MHz	QPSK	38750	50RB#0	NV	20	-8.63	-0.003736	±2.5	PASS
Band40	10MHz	16QAM	38750	50RB#0	NV	-30	-4.02	-0.001740	±2.5	PASS
Band40	10MHz	16QAM	38750	50RB#0	NV	-20	-8.37	-0.003623	±2.5	PASS
Band40	10MHz	16QAM	38750	50RB#0	NV	0	4.16	0.001801	±2.5	PASS
Band40	10MHz	16QAM	38750	50RB#0	NV	10	-6.04	-0.002615	±2.5	PASS
Band40	10MHz	16QAM	38750	50RB#0	NV	20	-5.42	-0.002346	±2.5	PASS