

1.14 11G_Ant2_2452



1.15 11G_Ant1_2457



1.16 11G_Ant2_2457



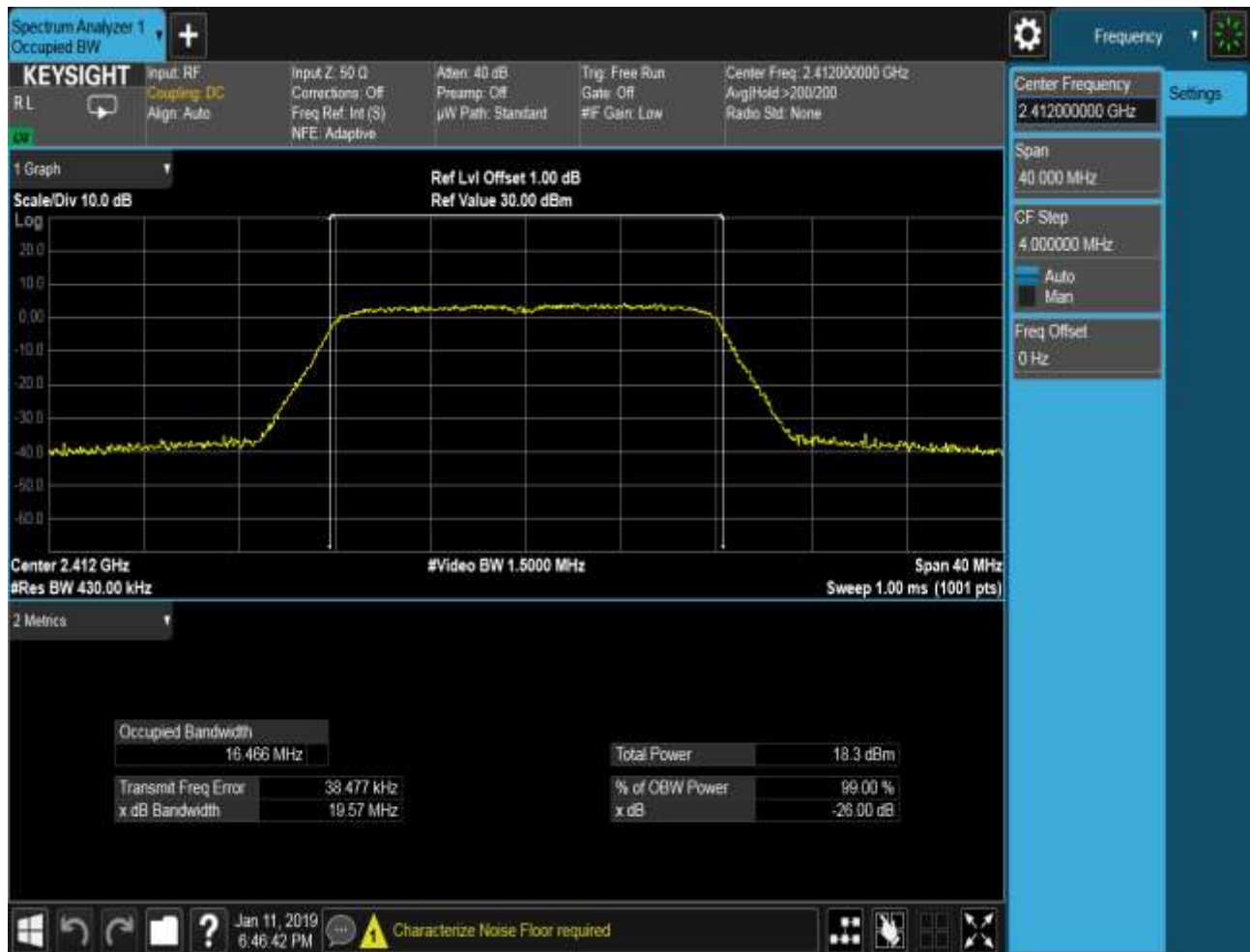
1.17 11G_Ant1_2462



1.18 11G_Ant2_2462



1.19 11G20CDD_Ant1_2412



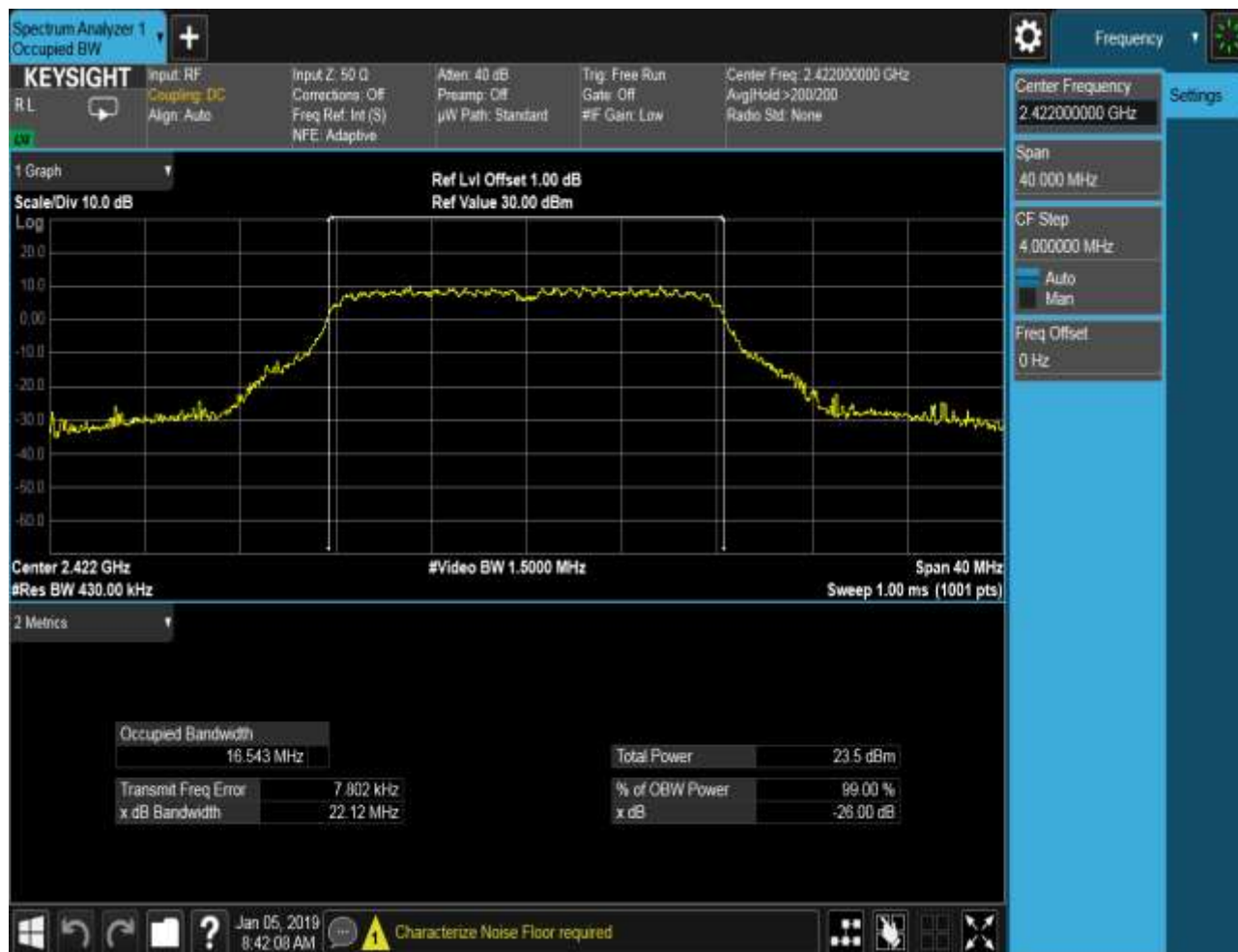
1.20 11G20CDD_Ant2_2412



1.21 11G20CDD_Ant1_2422



1.22 11G20CDD_Ant2_2422



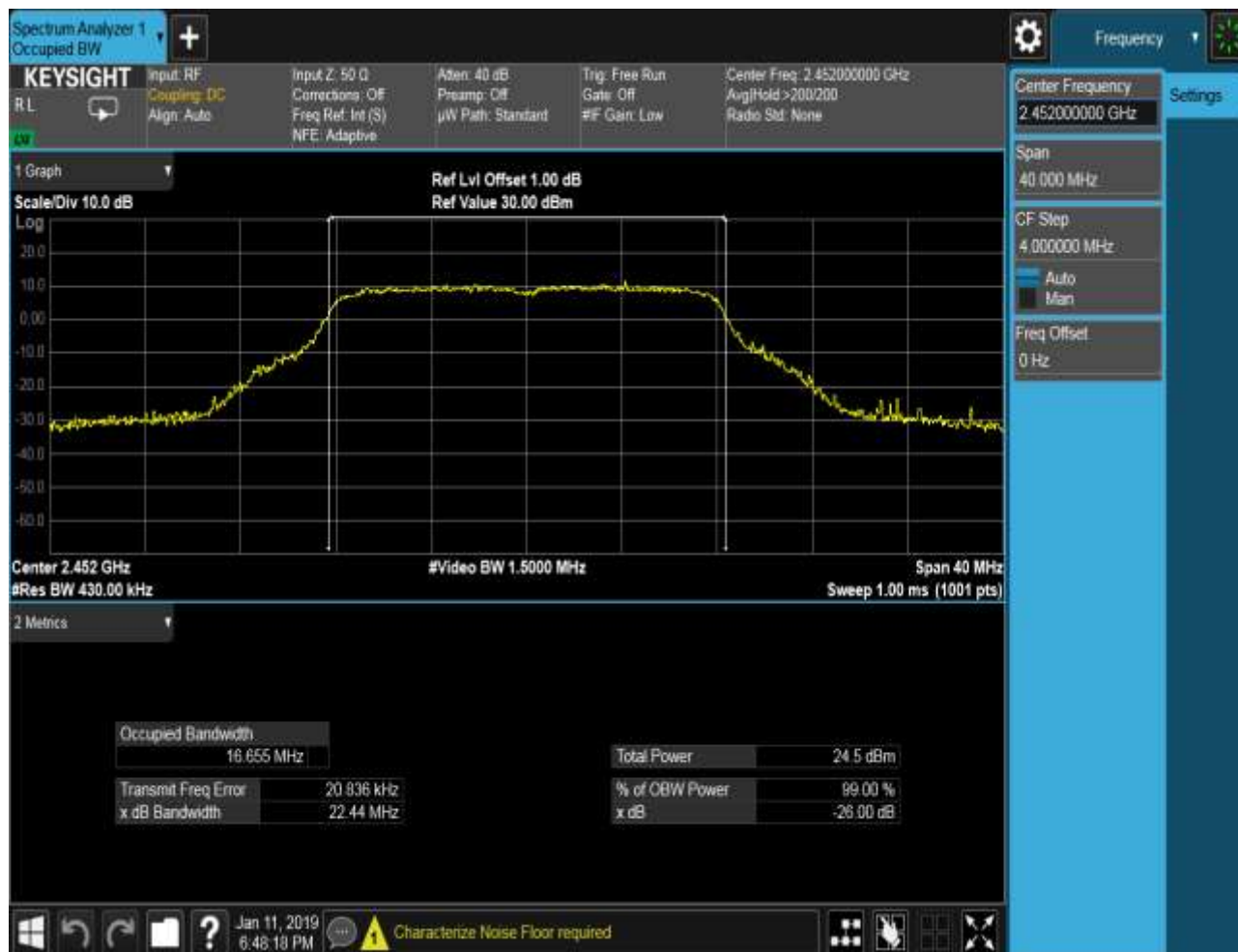
1.23 11G20CDD_Ant1_2437



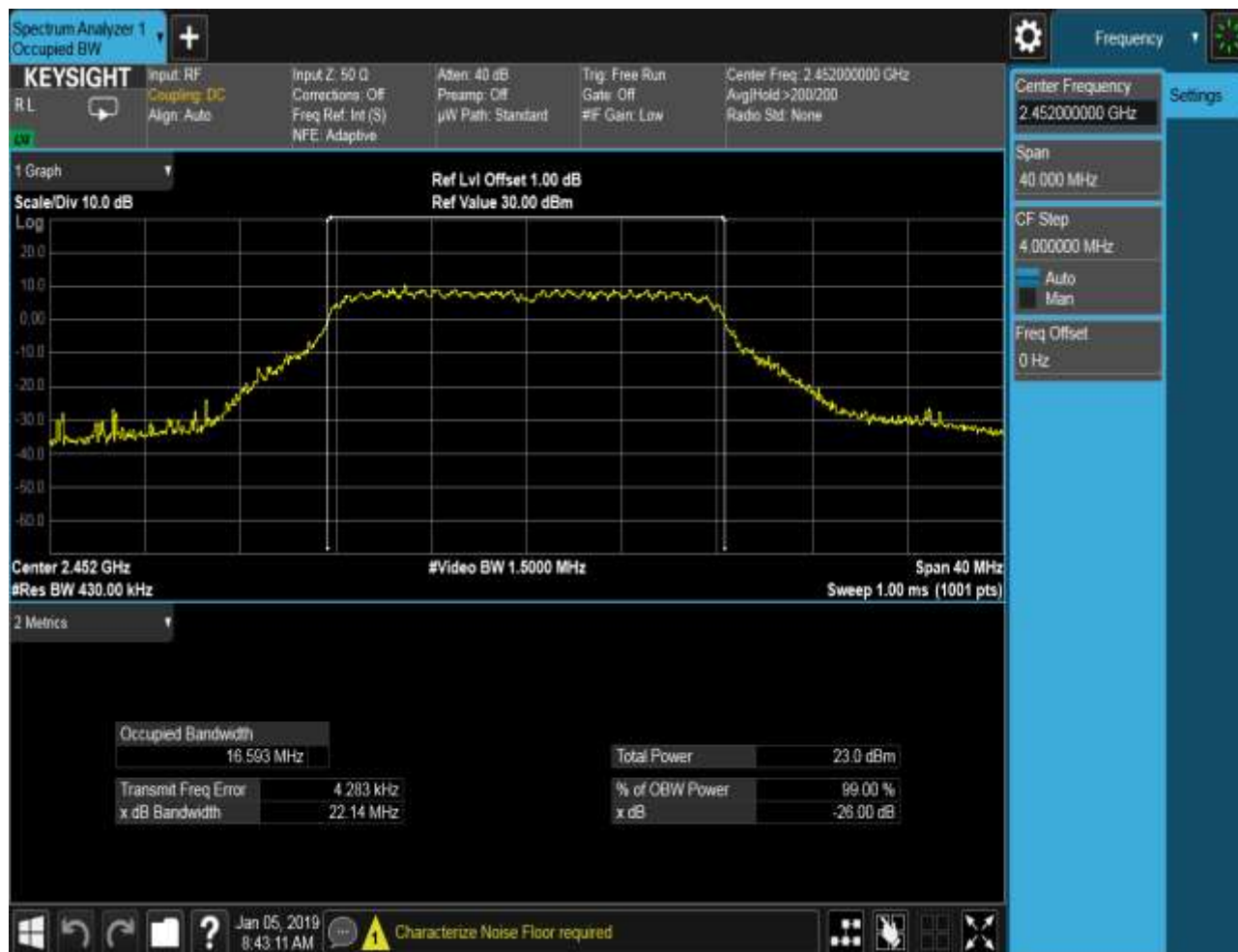
1.24 11G20CDD_Ant2_2437



1.25 11G20CDD_Ant1_2452



1.26 11G20CDD_Ant2_2452



1.27 11G20CDD_Ant1_2457



1.28 11G20CDD_Ant2_2457



1.29 11G20CDD_Ant1_2462



1.30 11G20CDD_Ant2_2462



1.31 11N20SISO_Ant1_2412



1.32 11N20SISO_Ant2_2412



1.33 11N20SISO_Ant1_2422



1.34 11N20SISO_Ant2_2422



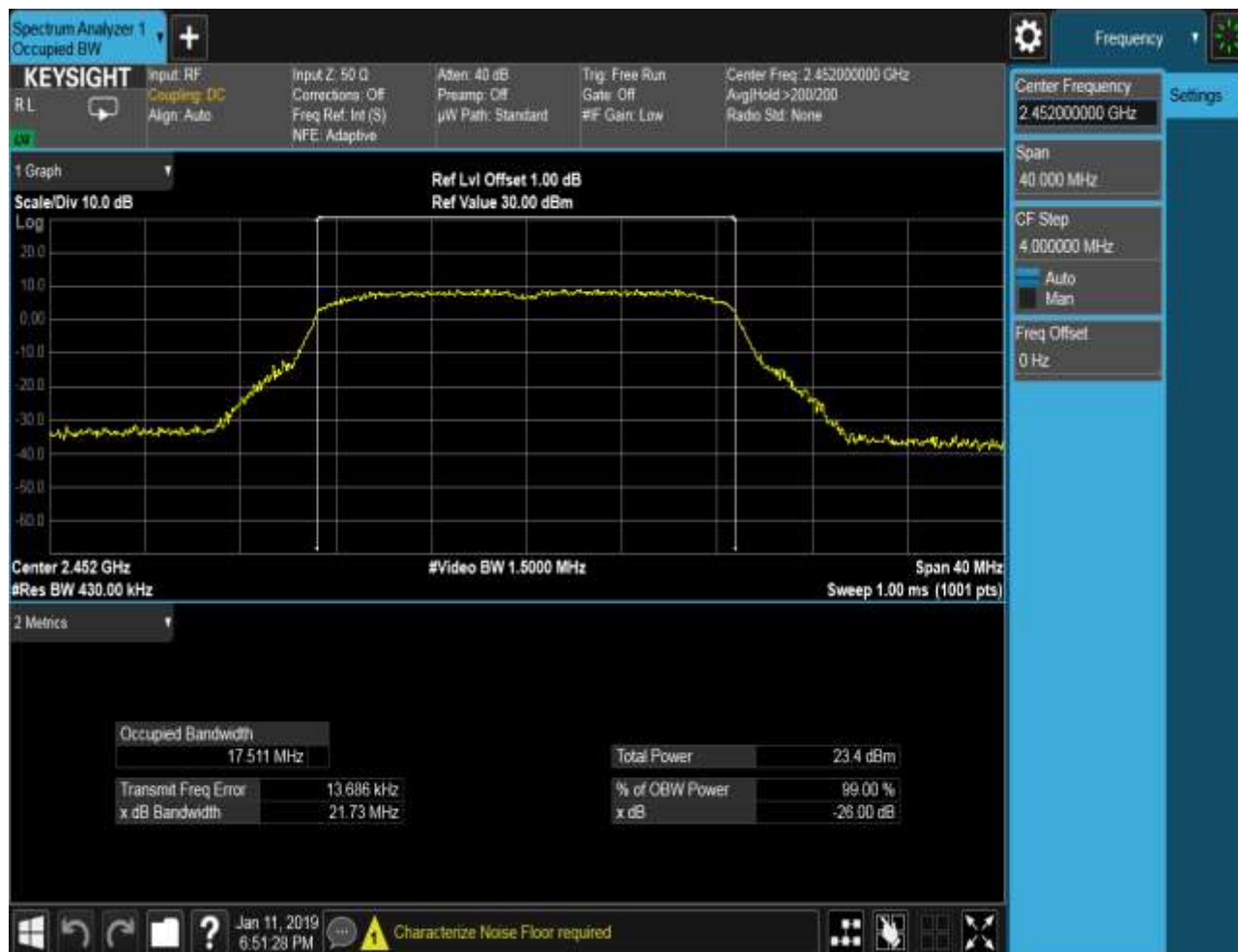
1.35 11N20SISO_Ant1_2437



1.36 11N20SISO_Ant2_2437



1.37 11N20SISO_Ant1_2452



1.38 11N20SISO_Ant2_2452



1.39 11N20SISO_Ant1_2457



1.40 11N20SISO_Ant2_2457



1.41 11N20SISO_Ant1_2462



1.42 11N20SISO_Ant2_2462



1.43 11N40SISO_Ant1_2422



1.44 11N40SISO_Ant2_2422



1.45 11N40SISO_Ant1_2427



1.46 11N40SISO_Ant2_2427



1.47 11N40SISO_Ant1_2432



1.48 11N40SISO_Ant2_2432



1.49 11N40SISO_Ant1_2437



1.50 11N40SISO_Ant2_2437



1.51 11N40SISO_Ant1_2442



1.52 11N40SISO_Ant2_2442



1.53 11N40SISO_Ant1_2447



1.54 11N40SISO_Ant2_2447



1.55 11N40SISO_Ant1_2452



1.56 11N40SISO_Ant2_2452



1.57 11N20MIMO_Ant1_2412



1.58 11N20MIMO_Ant2_2412



1.59 11N20MIMO_Ant1_2422



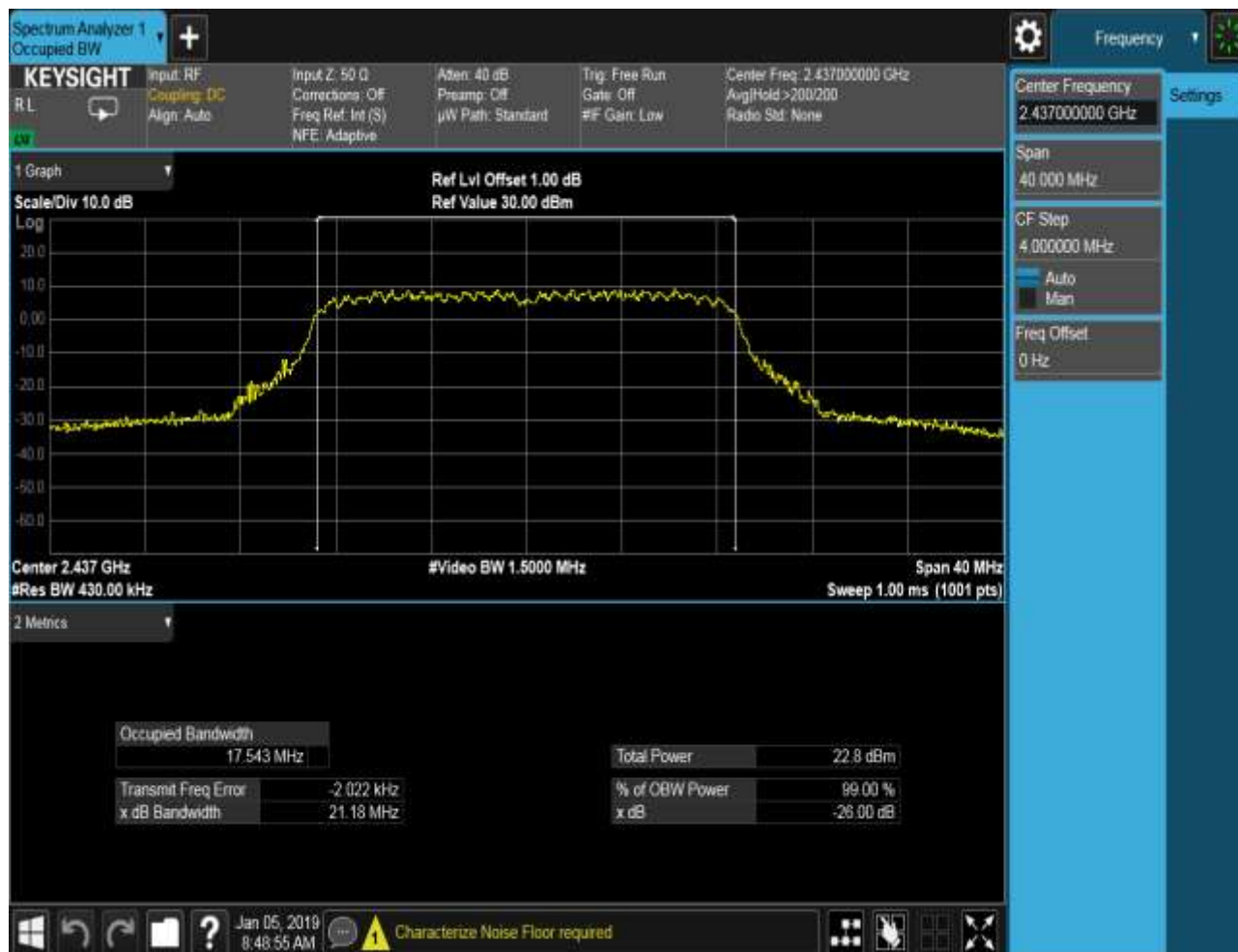
1.60 11N20MIMO_Ant2_2422



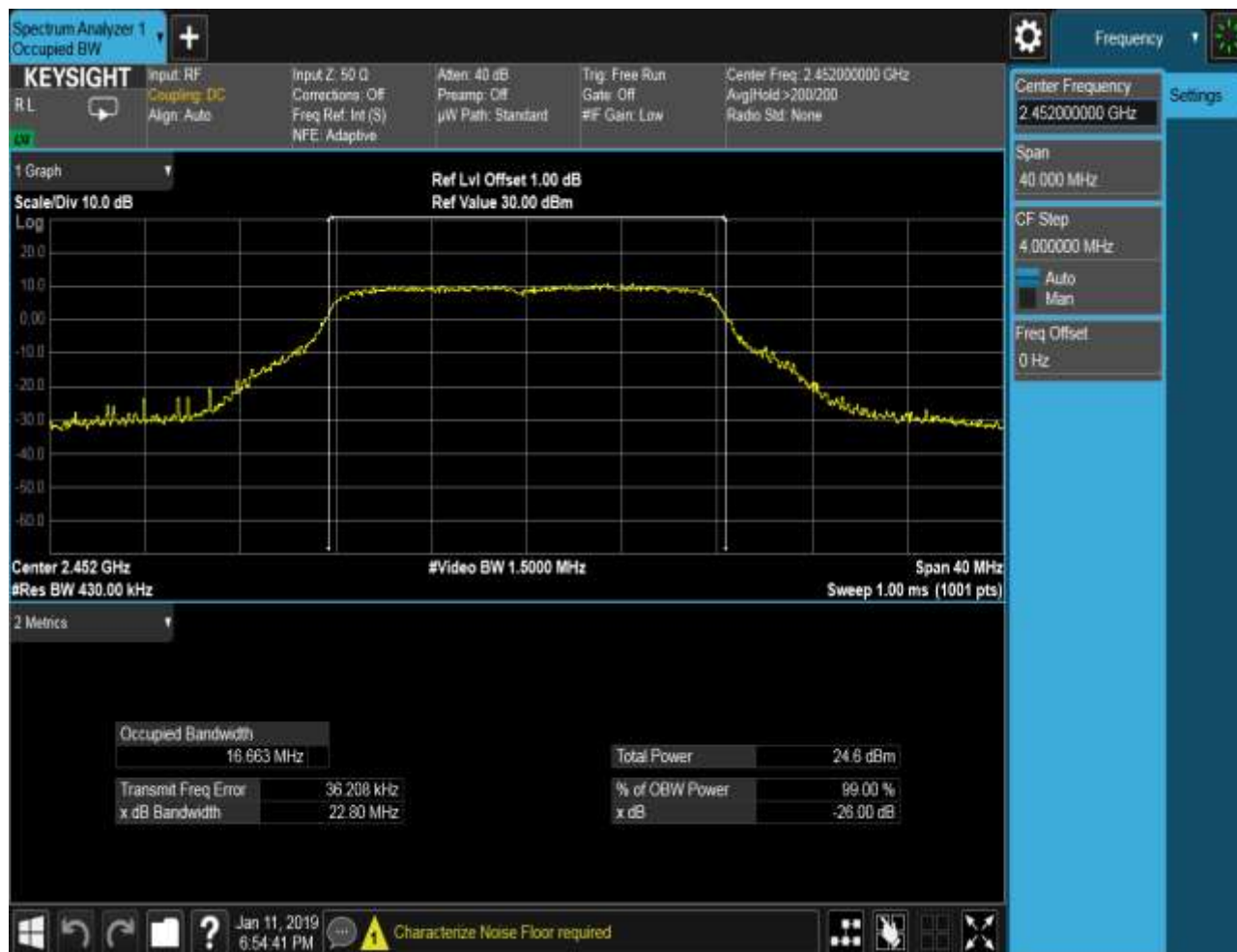
1.61 11N20MIMO_Ant1_2437



1.62 11N20MIMO_Ant2_2437



1.63 11N20MIMO_Ant1_2452



1.64 11N20MIMO_Ant2_2452



1.65 11N20MIMO_Ant1_2457



1.66 11N20MIMO_Ant2_2457



1.67 11N20MIMO_Ant1_2462



1.68 11N20MIMO_Ant2_2462



1.69 11N40MIMO_Ant1_2422



1.70 11N40MIMO_Ant2_2422



1.71 11N40MIMO_Ant1_2427



1.72 11N40MIMO_Ant2_2427



1.73 11N40MIMO_Ant1_2432



1.74 11N40MIMO_Ant2_2432



1.75 11N40MIMO_Ant1_2437



1.76 11N40MIMO_Ant2_2437



1.77 11N40MIMO_Ant1_2442



1.78 11N40MIMO_Ant2_2442



1.79 11N40MIMO_Ant1_2447



1.80 11N40MIMO_Ant2_2447



1.81 11N40MIMO_Ant1_2452



1.82 11N40MIMO_Ant2_2452



Appendix C: Duty Cycle

Part I - Test Results

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty cycle [%]	Limit	Verdict
11B	Ant1	2412	16.419	16.432	99.92	---	PASS
11B	Ant2	2412	16.246	16.255	99.94	---	PASS
11B	Ant1	2437	16.419	16.432	99.92	---	PASS
11B	Ant2	2437	16.246	16.255	99.94	---	PASS
11B	Ant1	2462	16.419	16.434	99.91	---	PASS
11B	Ant2	2462	16.419	16.429	99.94	---	PASS
11G	Ant1	2412	2.729	2.752	99.15	---	PASS
11G	Ant2	2412	2.369	2.386	99.28	---	PASS
11G	Ant1	2422	2.729	2.752	99.15	---	PASS
11G	Ant2	2422	2.352	2.369	99.28	---	PASS
11G	Ant1	2437	2.729	2.752	99.15	---	PASS
11G	Ant2	2437	2.729	2.747	99.34	---	PASS
11G	Ant1	2452	2.73	2.752	99.19	---	PASS
11G	Ant2	2452	2.729	2.747	99.34	---	PASS
11G	Ant1	2457	2.73	2.752	99.19	---	PASS
11G	Ant2	2457	2.369	2.386	99.28	---	PASS
11G	Ant1	2462	2.73	2.752	99.19	---	PASS
11G	Ant2	2462	2.729	2.746	99.38	---	PASS
11G20CDD	Ant1	2412	2.729	2.752	99.15	---	PASS
11G20CDD	Ant2	2412	2.729	2.747	99.34	---	PASS
11G20CDD	Ant1	2422	2.729	2.752	99.15	---	PASS
11G20CDD	Ant2	2422	2.73	2.748	99.34	---	PASS
11G20CDD	Ant1	2437	2.729	2.752	99.15	---	PASS
11G20CDD	Ant2	2437	2.352	2.369	99.28	---	PASS
11G20CDD	Ant1	2452	2.729	2.752	99.15	---	PASS
11G20CDD	Ant2	2452	2.729	2.747	99.34	---	PASS
11G20CDD	Ant1	2457	2.729	2.752	99.15	---	PASS
11G20CDD	Ant2	2457	2.729	2.747	99.34	---	PASS
11G20CDD	Ant1	2462	2.729	2.752	99.15	---	PASS
11G20CDD	Ant2	2462	2.352	2.37	99.23	---	PASS
11N20SISO	Ant1	2412	2.537	2.56	99.12	---	PASS
11N20SISO	Ant2	2412	2.536	2.554	99.33	---	PASS
11N20SISO	Ant1	2422	2.536	2.56	99.08	---	PASS
11N20SISO	Ant2	2422	1.676	1.693	98.99	---	PASS
11N20SISO	Ant1	2437	2.536	2.56	99.08	---	PASS
11N20SISO	Ant2	2437	1.676	1.693	98.99	---	PASS
11N20SISO	Ant1	2452	2.536	2.559	99.12	---	PASS
11N20SISO	Ant2	2452	2.536	2.554	99.33	---	PASS

11N20SISO	Ant1	2457	2.537	2.56	99.12	---	PASS
11N20SISO	Ant2	2457	2.536	2.554	99.33	---	PASS
11N20SISO	Ant1	2462	2.536	2.56	99.08	---	PASS
11N20SISO	Ant2	2462	2.536	2.554	99.33	---	PASS
11N20MIMO	Ant1	2412	2.73	2.752	99.19	---	PASS
11N20MIMO	Ant2	2412	1.293	1.316	98.22	---	PASS
11N20MIMO	Ant1	2422	2.729	2.752	99.15	---	PASS
11N20MIMO	Ant2	2422	1.293	1.316	98.22	---	PASS
11N20MIMO	Ant1	2437	2.729	2.752	99.15	---	PASS
11N20MIMO	Ant2	2437	1.293	1.311	98.62	---	PASS
11N20MIMO	Ant1	2452	2.73	2.752	99.19	---	PASS
11N20MIMO	Ant2	2452	1.293	1.311	98.62	---	PASS
11N20MIMO	Ant1	2457	2.729	2.752	99.15	---	PASS
11N20MIMO	Ant2	2457	1.293	1.311	98.62	---	PASS
11N20MIMO	Ant1	2462	2.729	2.752	99.15	---	PASS
11N20MIMO	Ant2	2462	1.293	1.311	98.62	---	PASS
11N40SISO	Ant1	2422	1.241	1.263	98.23	---	PASS
11N40SISO	Ant2	2422	1.24	1.258	98.64	---	PASS
11N40SISO	Ant1	2427	1.241	1.263	98.23	---	PASS
11N40SISO	Ant2	2427	1.242	1.258	98.73	---	PASS
11N40SISO	Ant1	2432	1.241	1.263	98.23	---	PASS
11N40SISO	Ant2	2432	1.24	1.258	98.64	---	PASS
11N40SISO	Ant1	2437	1.241	1.263	98.23	---	PASS
11N40SISO	Ant2	2437	1.243	1.263	99.12	---	PASS
11N40SISO	Ant1	2442	1.24	1.264	98.14	---	PASS
11N40SISO	Ant2	2442	1.24	1.258	98.64	---	PASS
11N40SISO	Ant1	2447	1.241	1.263	98.23	---	PASS
11N40SISO	Ant2	2447	1.241	1.259	98.56	---	PASS
11N40SISO	Ant1	2452	1.241	1.263	98.23	---	PASS
11N40SISO	Ant2	2452	1.241	1.259	98.56	---	PASS
11N40MIMO	Ant1	2422	0.644	0.666	96.79	---	PASS
11N40MIMO	Ant2	2422	0.644	0.661	97.42	---	PASS
11N40MIMO	Ant1	2427	0.645	0.667	96.8	---	PASS
11N40MIMO	Ant2	2427	0.644	0.661	97.42	---	PASS
11N40MIMO	Ant1	2432	0.644	0.666	96.79	---	PASS
11N40MIMO	Ant2	2432	0.644	0.661	97.42	---	PASS
11N40MIMO	Ant1	2437	0.644	0.666	96.79	---	PASS
11N40MIMO	Ant2	2437	0.644	0.661	97.42	---	PASS
11N40MIMO	Ant1	2442	0.644	0.666	96.79	---	PASS
11N40MIMO	Ant2	2442	0.644	0.661	97.42	---	PASS
11N40MIMO	Ant1	2447	0.644	0.666	96.79	---	PASS
11N40MIMO	Ant2	2447	0.644	0.661	97.42	---	PASS
11N40MIMO	Ant1	2452	0.644	0.666	96.79	---	PASS

11N40MIMO	Ant2	2452	0.644	0.661	97.42	---	PASS
-----------	------	------	-------	-------	-------	-----	------

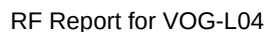
Part II - Test Graphs

1.1 11B_Ant1_2412



1.2 11B_Ant2_2412





KEYSIGHT Spectrum Analyzer 1
Swept SA

Input: RF
Coupling: DC
Align: Auto

Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive

Att: 40 dB
Preamp: Off
μW Path: Standard

PND: Fast
Gate: Off
IF Gain: Low
Sig Track: Off

Avg Type: Voltage
Trig: Free Run

1 2 3 4 5 6
W W W W W W
P P P P P P

1 Spectrum
Scale/Div 12 dB
Log

Ref Lvl Offset 1.00 dB
Ref Level 30.00 dBm

Mkr3 69.76 ms
-40.30 dBm

Center 2.437000000 GHz
Res BW 8 MHz
#Video BW 50 MHz
Span 0 Hz
Sweep 102 ms (30000 pts)

5 Marker Table

	Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	1	53.33 ms	-41.67 dBm			
2	N	1	1	53.34 ms	19.76 dBm			
3	N	1	1	69.76 ms	-40.30 dBm			
4								
5								
6								
7								
8								
9								

Center Frequency
2.437000000 GHz

Span
0.00000000 Hz

Swept Span
Zero Span

Full Span

Start Freq
2.437000000 GHz

Stop Freq
2.437000000 GHz

AUTO TUNE

CF Step
8.000000 MHz

Auto
Man

Freq Offset
0 Hz

X Axis Scale
Log
Lin

Signal Track
Span Zoom
On
Off

Characterize Noise Floor required

1.4 11B_Ant2_2437



1.5 11B_Ant1_2462



1.6 11B_Ant2_2462



1.7 11G_Ant1_2412



1.8 11G_Ant2_2412



1.9 11G_Ant1_2422



1.10 11G_Ant2_2422



1.11 11G_Ant1_2437



1.12 11G_Ant2_2437



1.13 11G_Ant1_2452



1.14 11G_Ant2_2452



1.15 11G_Ant1_2457



1.16 11G_Ant2_2457



1.17 11G_Ant1_2462



1.18 11G_Ant2_2462



1.19 11G20CDD_Ant1_2412



1.20 11G20CDD_Ant2_2412



1.21 11G20CDD_Ant1_2422



1.22 11G20CDD_Ant2_2422



1.23 11G20CDD_Ant1_2437



1.24 11G20CDD_Ant2_2437



1.25 11G20CDD_Ant1_2452



1.26 11G20CDD_Ant2_2452



1.27 11G20CDD_Ant1_2457



1.28 11G20CDD_Ant2_2457



1.29 11G20CDD_Ant1_2462

