



# Appendix for Test report

## Appendix A: DTS (6 dB) Bandwidth

### Part I - Test Results

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.57	2407.96	2416.53	---	PASS
11B	Ant2	2412	8.07	2407.97	2416.03	---	PASS
11B	Ant1	2437	8.59	2432.95	2441.54	---	PASS
11B	Ant2	2437	8.56	2432.96	2441.52	---	PASS
11B	Ant1	2462	8.58	2457.94	2466.52	---	PASS
11B	Ant2	2462	8.56	2457.95	2466.51	---	PASS
11G	Ant1	2412	15.79	2404.12	2419.91	---	PASS
11G	Ant2	2412	15.42	2404.48	2419.9	---	PASS
11G	Ant1	2422	15.54	2414.22	2429.76	---	PASS
11G	Ant2	2422	15.68	2414.22	2429.9	---	PASS
11G	Ant1	2437	15.41	2429.47	2444.88	---	PASS
11G	Ant2	2437	15.29	2429.48	2444.77	---	PASS
11G	Ant1	2452	15.63	2444.23	2459.86	---	PASS
11G	Ant2	2452	15.31	2444.22	2459.53	---	PASS
11G	Ant1	2457	16.28	2448.86	2465.14	---	PASS
11G	Ant2	2457	15.39	2449.12	2464.51	---	PASS
11G	Ant1	2462	15.89	2453.86	2469.75	---	PASS
11G	Ant2	2462	16.06	2453.85	2469.9	---	PASS
11G20CDD	Ant1	2412	15.91	2404.23	2420.14	---	PASS
11G20CDD	Ant2	2412	16.04	2404.11	2420.15	---	PASS
11G20CDD	Ant1	2422	15.42	2414.1	2429.53	---	PASS
11G20CDD	Ant2	2422	16.01	2414.14	2430.14	---	PASS
11G20CDD	Ant1	2437	15.66	2429.23	2444.89	---	PASS
11G20CDD	Ant2	2437	15.11	2429.46	2444.58	---	PASS
11G20CDD	Ant1	2452	16.33	2443.84	2460.17	---	PASS
11G20CDD	Ant2	2452	16.01	2443.88	2459.89	---	PASS
11G20CDD	Ant1	2457	15.41	2449.12	2464.53	---	PASS
11G20CDD	Ant2	2457	16.06	2448.84	2464.9	---	PASS
11G20CDD	Ant1	2462	15.3	2454.23	2469.52	---	PASS
11G20CDD	Ant2	2462	16.29	2453.85	2470.14	---	PASS
11N20SISO	Ant1	2412	16.18	2404.22	2420.41	---	PASS
11N20SISO	Ant2	2412	16.44	2404.11	2420.55	---	PASS
11N20SISO	Ant1	2422	17.02	2413.5	2430.52	---	PASS
11N20SISO	Ant2	2422	16.76	2413.63	2430.39	---	PASS
11N20SISO	Ant1	2437	16.19	2429.21	2445.41	---	PASS
11N20SISO	Ant2	2437	16.9	2428.6	2445.5	---	PASS
11N20SISO	Ant1	2452	17.3	2443.47	2460.77	---	PASS
11N20SISO	Ant2	2452	15.4	2444.47	2459.87	---	PASS



11N20SISO	Ant1	2457	15.74	2449.16	2464.9	---	PASS
11N20SISO	Ant2	2457	16.13	2448.62	2464.75	---	PASS
11N20SISO	Ant1	2462	15.94	2453.6	2469.54	---	PASS
11N20SISO	Ant2	2462	15.66	2453.86	2469.52	---	PASS
11N20MIMO	Ant1	2412	15.5	2404.49	2419.99	---	PASS
11N20MIMO	Ant2	2412	16.66	2404.1	2420.76	---	PASS
11N20MIMO	Ant1	2422	15.35	2414.23	2429.58	---	PASS
11N20MIMO	Ant2	2422	16.76	2413.62	2430.38	---	PASS
11N20MIMO	Ant1	2437	15.37	2429.21	2444.58	---	PASS
11N20MIMO	Ant2	2437	17.3	2428.48	2445.78	---	PASS
11N20MIMO	Ant1	2452	15.68	2444.24	2459.92	---	PASS
11N20MIMO	Ant2	2452	16.01	2444.37	2460.38	---	PASS
11N20MIMO	Ant1	2457	15.68	2449.23	2464.91	---	PASS
11N20MIMO	Ant2	2457	16.77	2448.62	2465.39	---	PASS
11N20MIMO	Ant1	2462	15.28	2454.24	2469.52	---	PASS
11N20MIMO	Ant2	2462	16.79	2453.59	2470.37	---	PASS
11N40SISO	Ant1	2422	35.58	2404.22	2439.8	---	PASS
11N40SISO	Ant2	2422	36.06	2404.1	2440.16	---	PASS
11N40SISO	Ant1	2427	36.3	2408.85	2445.15	---	PASS
11N40SISO	Ant2	2427	35.68	2409.48	2445.16	---	PASS
11N40SISO	Ant1	2432	36.32	2413.84	2450.16	---	PASS
11N40SISO	Ant2	2432	36.0	2413.86	2449.87	---	PASS
11N40SISO	Ant1	2437	36.04	2418.85	2454.89	---	PASS
11N40SISO	Ant2	2437	36.31	2418.84	2455.15	---	PASS
11N40SISO	Ant1	2442	35.91	2424.23	2460.15	---	PASS
11N40SISO	Ant2	2442	35.67	2424.25	2459.92	---	PASS
11N40SISO	Ant1	2447	36.29	2428.86	2465.15	---	PASS
11N40SISO	Ant2	2447	35.81	2429.09	2464.9	---	PASS
11N40SISO	Ant1	2452	35.42	2434.11	2469.53	---	PASS
11N40SISO	Ant2	2452	36.04	2433.85	2469.9	---	PASS
11N40MIMO	Ant1	2422	35.77	2404.13	2439.9	---	PASS
11N40MIMO	Ant2	2422	36.3	2403.87	2440.17	---	PASS
11N40MIMO	Ant1	2427	36.29	2408.86	2445.14	---	PASS
11N40MIMO	Ant2	2427	36.31	2408.86	2445.17	---	PASS
11N40MIMO	Ant1	2432	35.91	2413.85	2449.76	---	PASS
11N40MIMO	Ant2	2432	36.32	2413.86	2450.17	---	PASS
11N40MIMO	Ant1	2437	36.3	2418.85	2455.15	---	PASS
11N40MIMO	Ant2	2437	36.29	2418.85	2455.15	---	PASS
11N40MIMO	Ant1	2442	36.04	2424.1	2460.14	---	PASS
11N40MIMO	Ant2	2442	36.32	2423.84	2460.16	---	PASS
11N40MIMO	Ant1	2447	35.81	2429.1	2464.91	---	PASS
11N40MIMO	Ant2	2447	36.05	2428.84	2464.9	---	PASS
11N40MIMO	Ant1	2452	35.65	2434.12	2469.77	---	PASS

11N40MIMO	Ant2	2452	35.73	2433.85	2469.59	---	PASS
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Part II - Test Graphs

1.1 11B\_Ant1\_2412



1.2 11B\_Ant2\_2412



1.3 11B\_Ant1\_2437





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



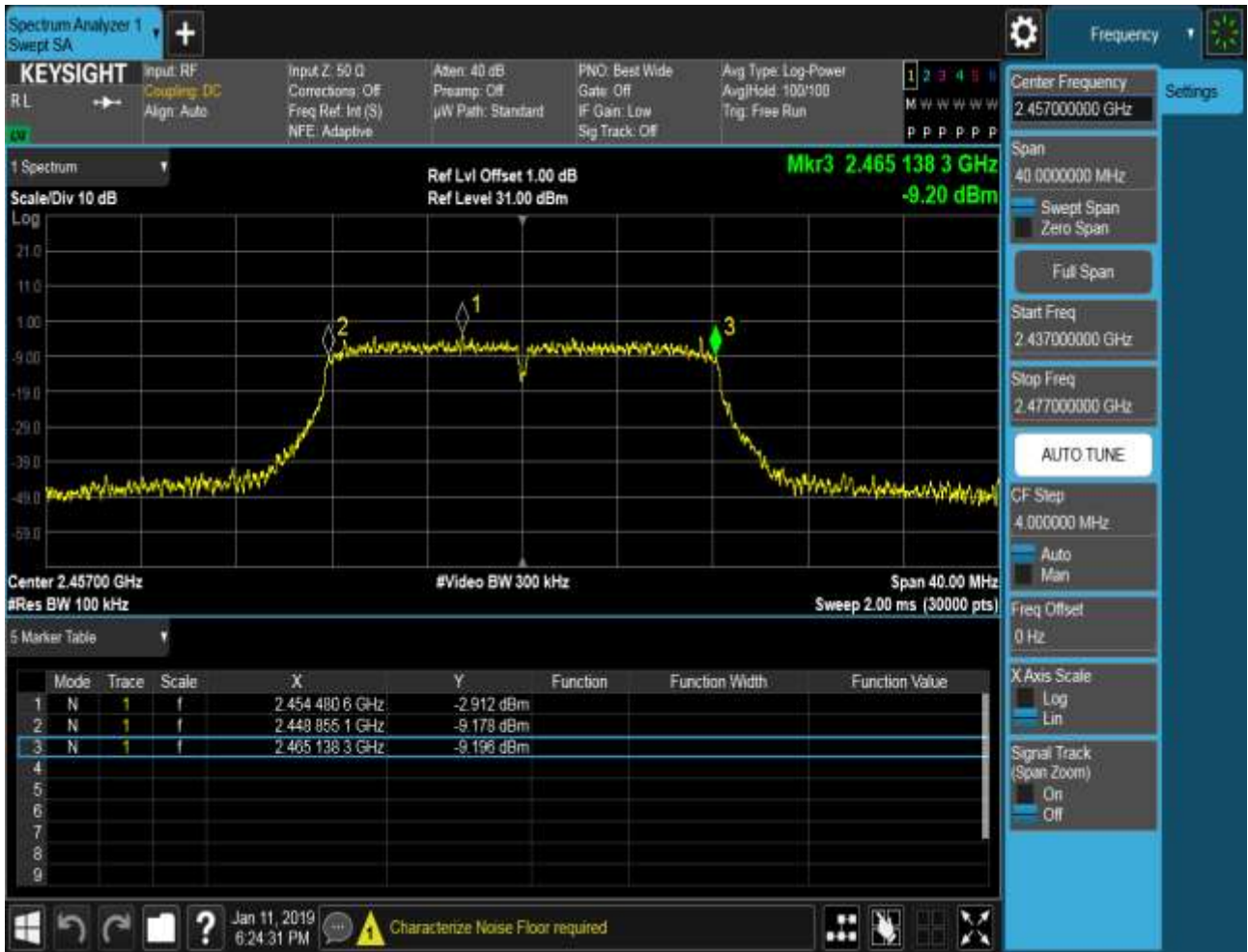
1.13 11G\_Ant1\_2452



1.14 11G\_Ant2\_2452



1.15 11G\_Ant1\_2457



1.16 11G\_Ant2\_2457



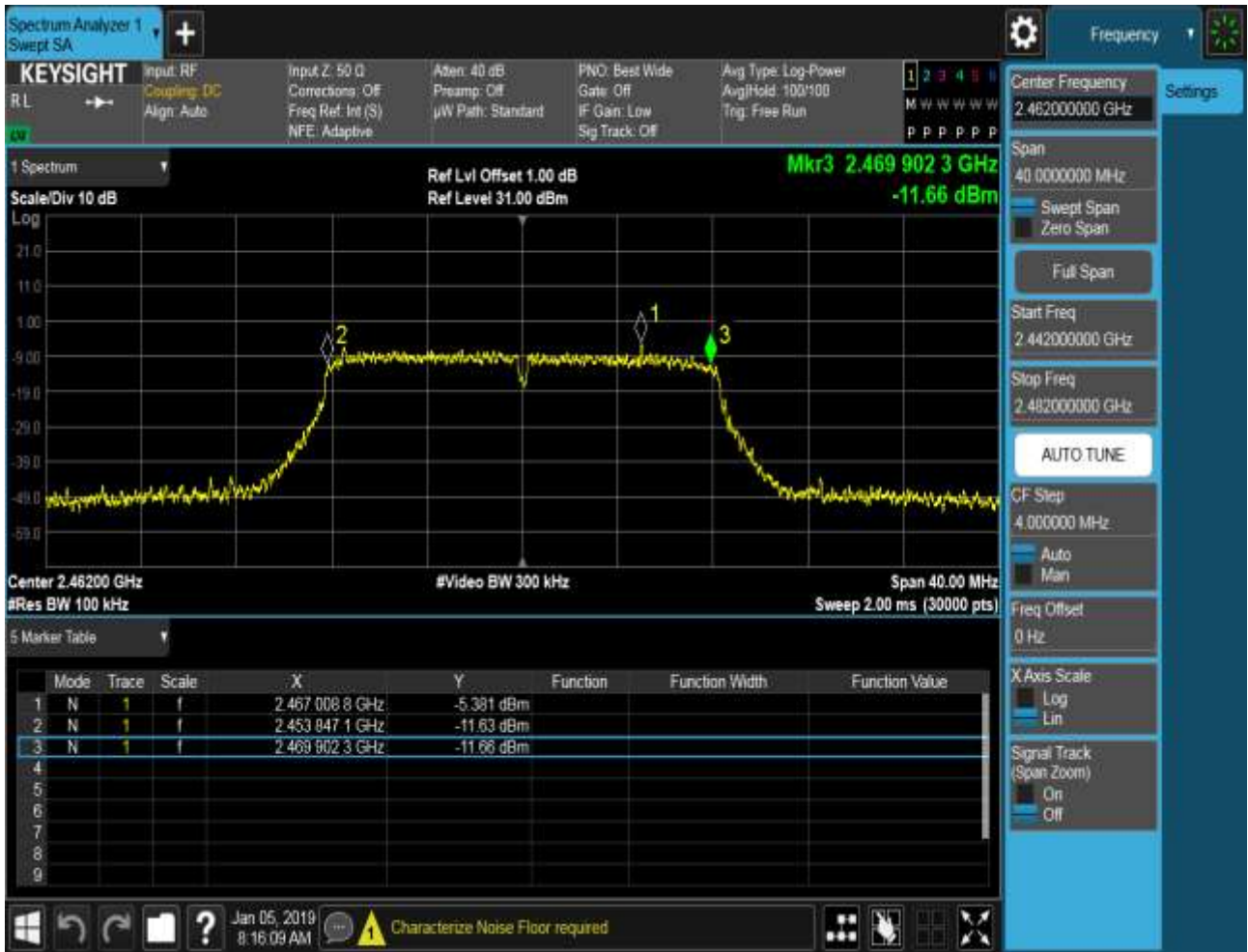


1.17 11G\_Ant1\_2462





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

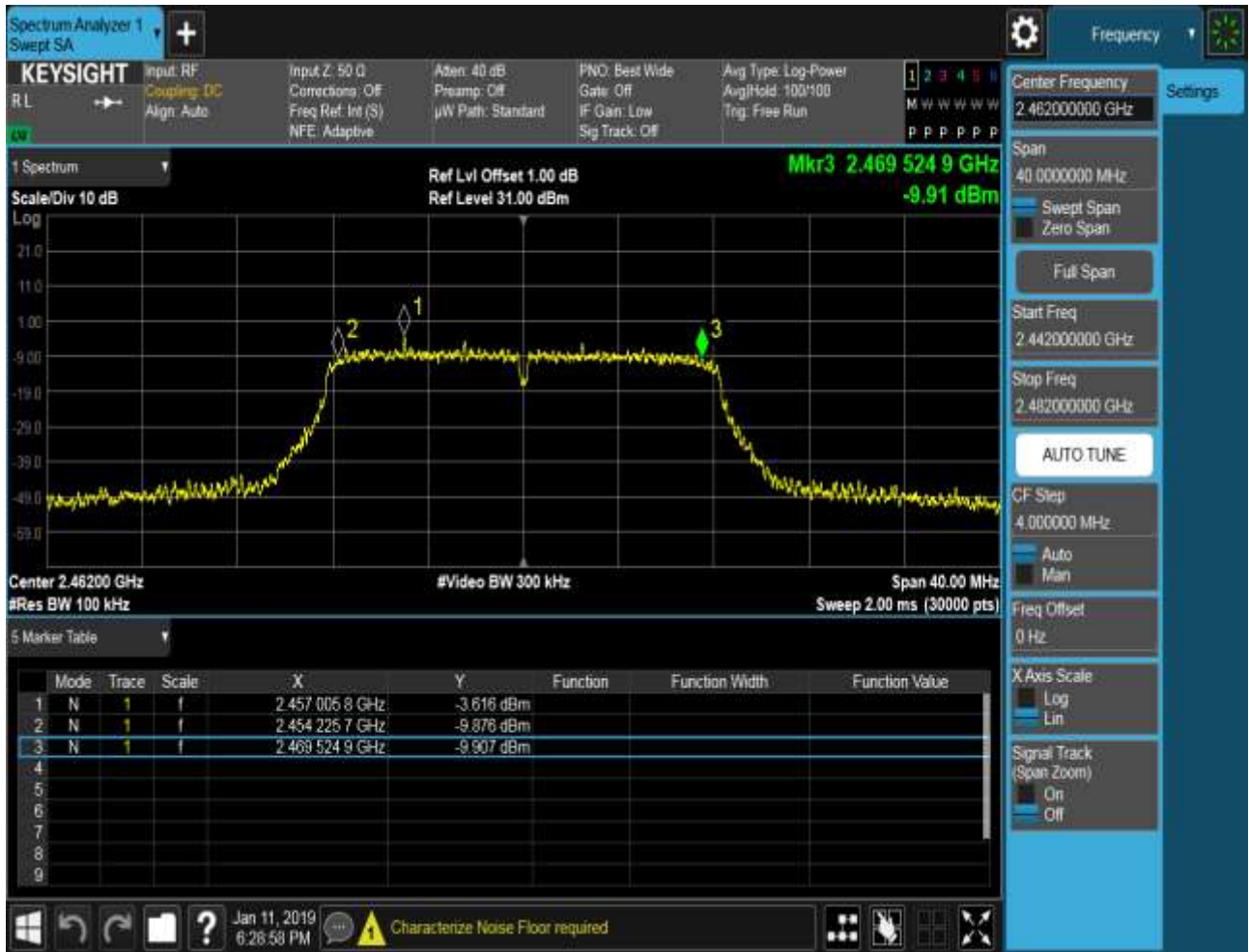


1.28 11G20CDD\_Ant2\_2457

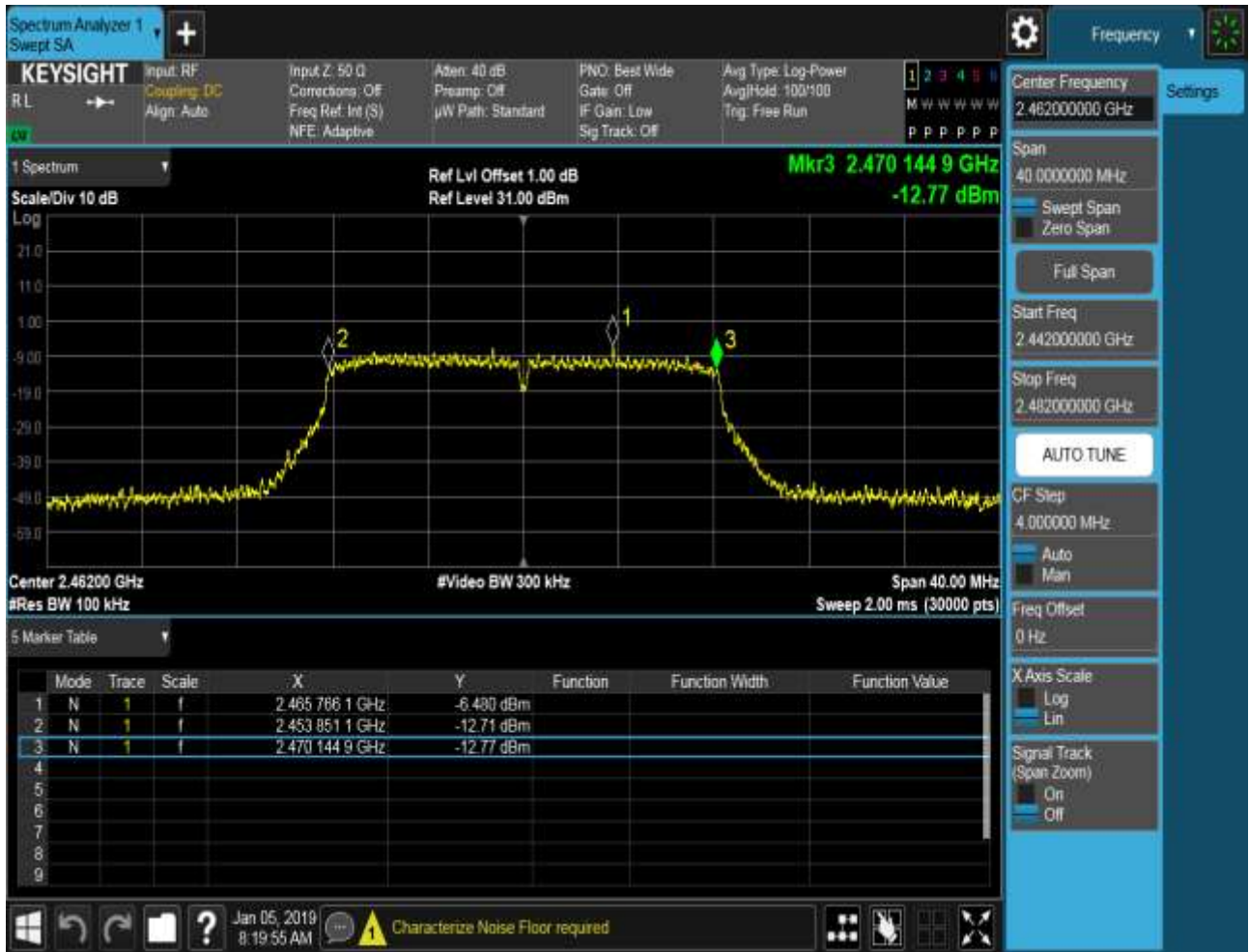




1.29 11G20CDD\_Ant1\_2462



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





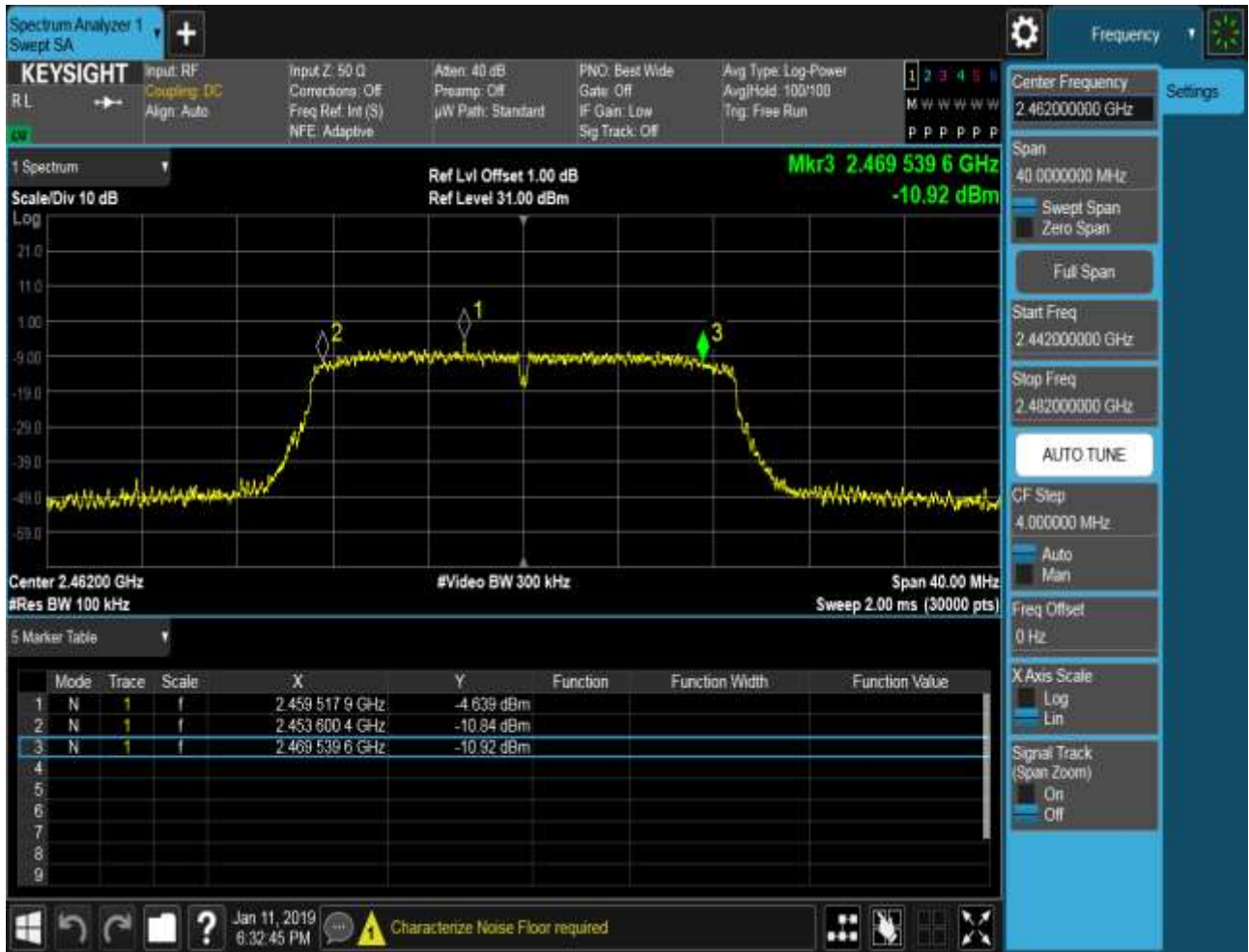
1.39 11N20SISO\_Ant1\_2457



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



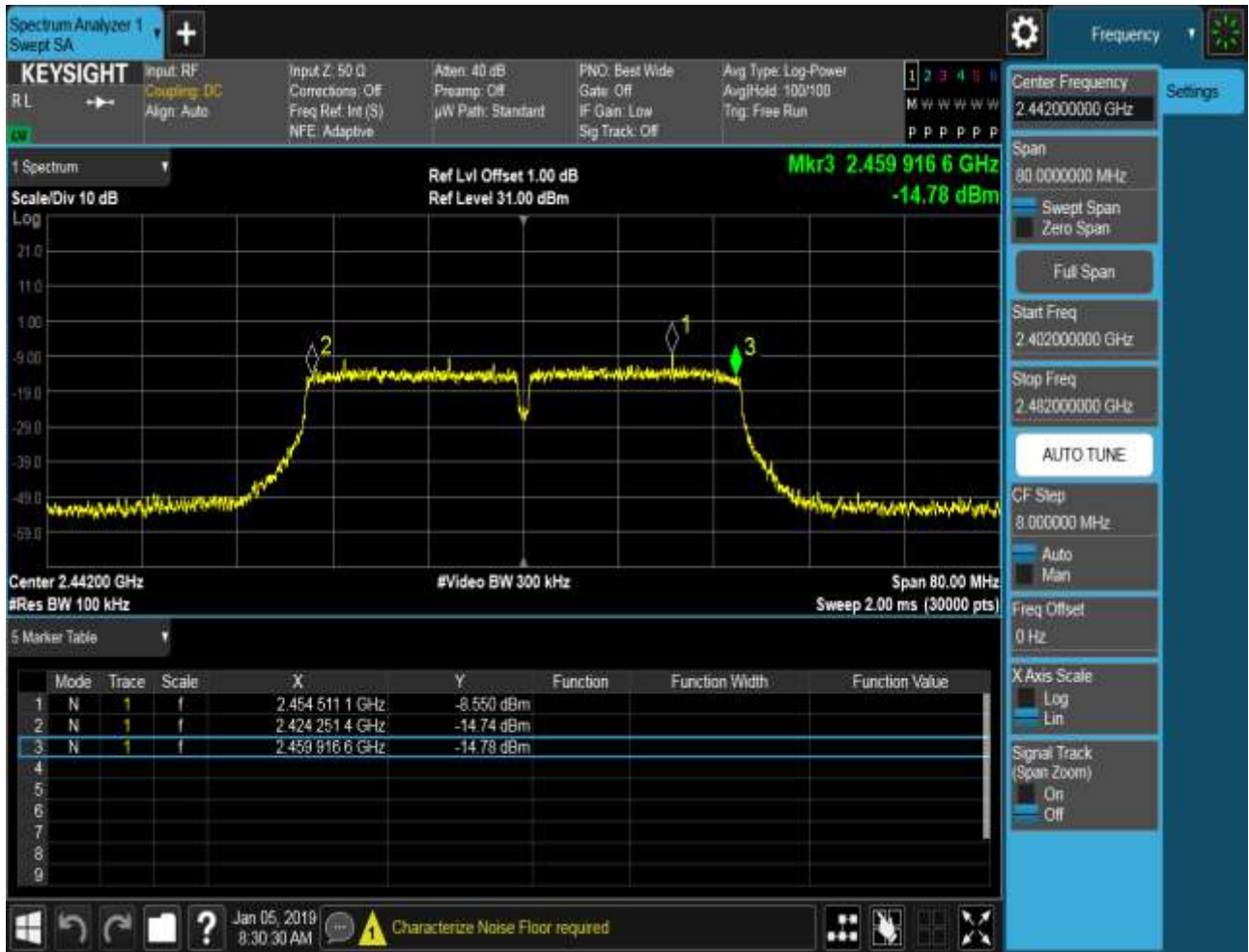
1.50 11N40SISO\_Ant2\_2437



1.51 11N40SISO\_Ant1\_2442



1.52 11N40SISO\_Ant2\_2442

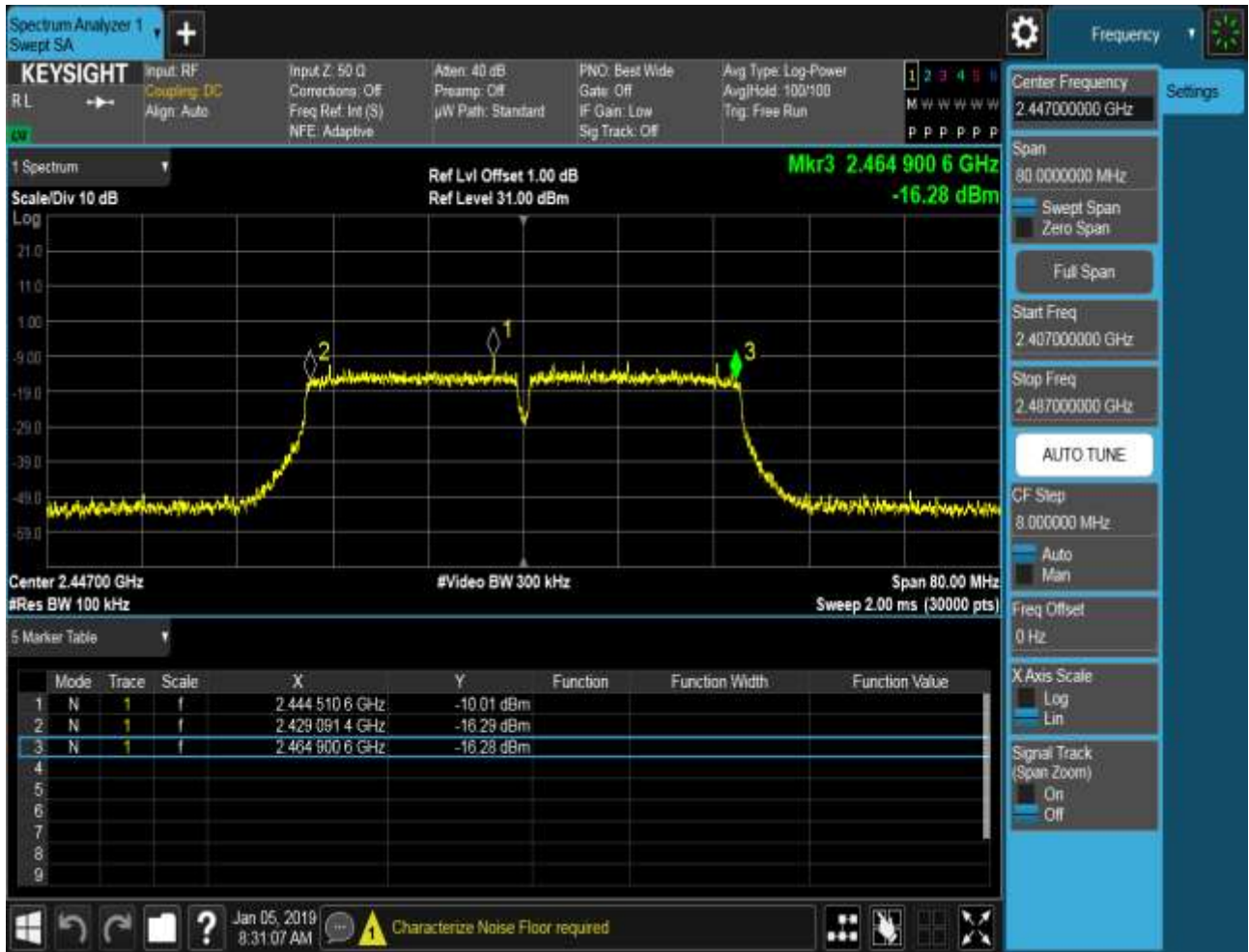


1.53 11N40SISO\_Ant1\_2447





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

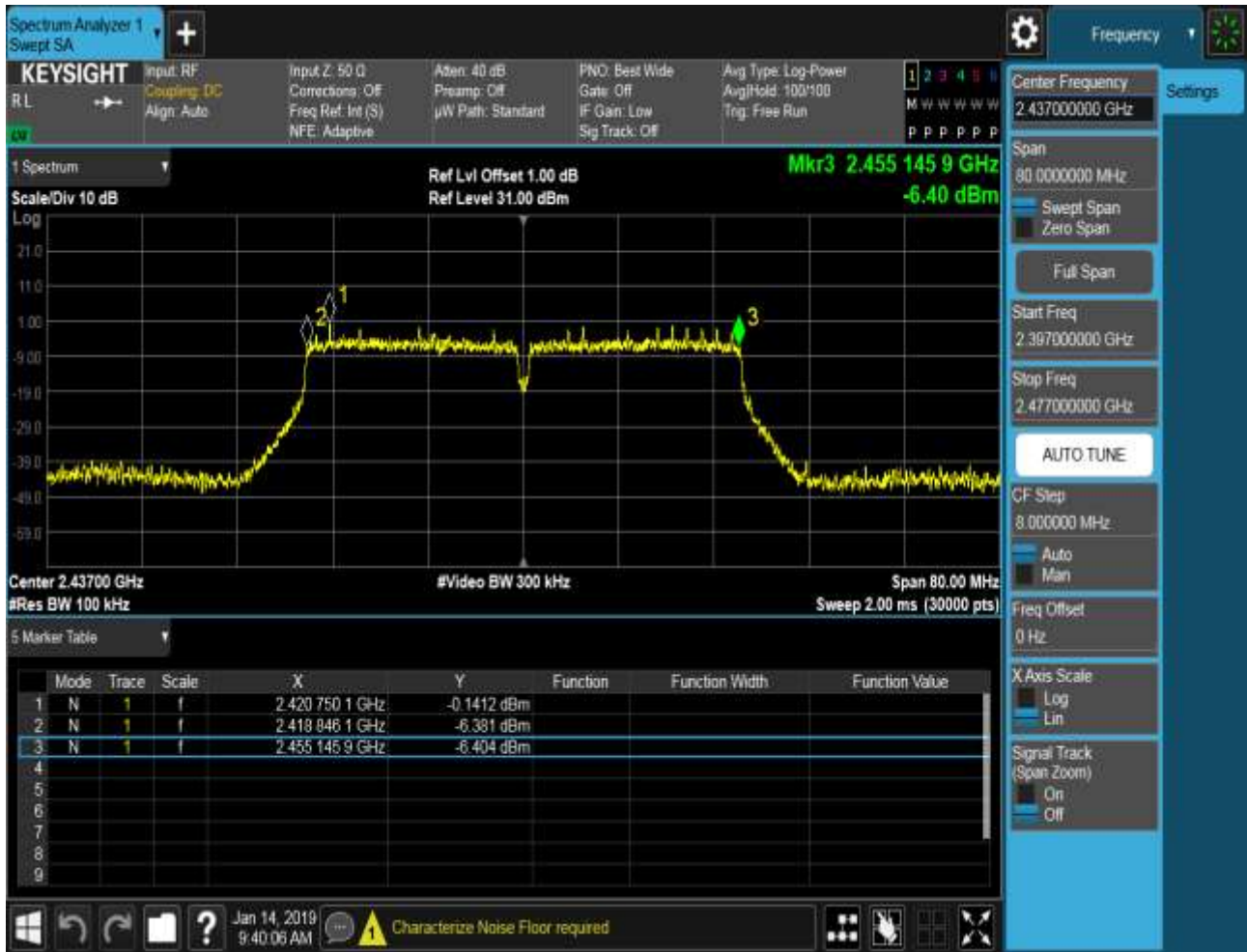




## 1.74 11N40MIMO\_Ant2\_2432



## 1.75 11N40MIMO\_Ant1\_2437



1.76 11N40MIMO\_Ant2\_2437



1.77 11N40MIMO\_Ant1\_2442

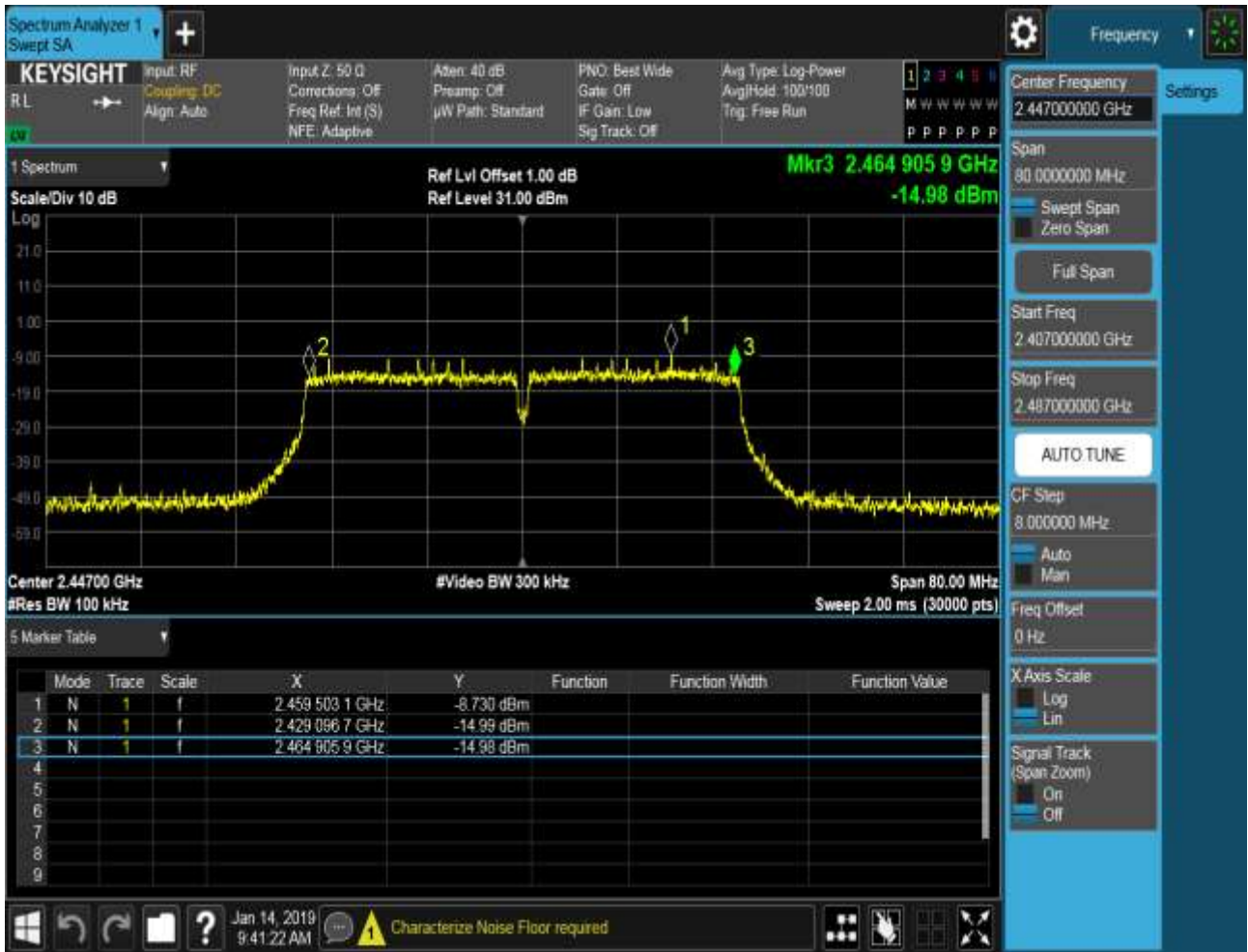


## 1.78 11N40MIMO\_Ant2\_2442





1.79 11N40MIMO\_Ant1\_2447



1.80 11N40MIMO\_Ant2\_2447



1.81 11N40MIMO\_Ant1\_2452



1.82 11N40MIMO\_Ant2\_2452



## Appendix B: Occupied Bandwidth

### Part I - Test Results

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	11.65	2406.27	2417.92	---	PASS
11B	Ant2	2412	11.68	2406.27	2417.95	---	PASS
11B	Ant1	2437	11.77	2431.12	2442.89	---	PASS
11B	Ant2	2437	11.79	2431.14	2442.93	---	PASS
11B	Ant1	2462	11.7	2456.08	2467.78	---	PASS
11B	Ant2	2462	11.7	2456.08	2467.78	---	PASS
11G	Ant1	2412	16.45	2403.81	2420.26	---	PASS
11G	Ant2	2412	16.45	2403.83	2420.28	---	PASS
11G	Ant1	2422	16.64	2413.62	2430.26	---	PASS
11G	Ant2	2422	16.61	2413.68	2430.29	---	PASS
11G	Ant1	2437	16.77	2428.61	2445.38	---	PASS
11G	Ant2	2437	16.64	2428.69	2445.33	---	PASS
11G	Ant1	2452	16.6	2443.74	2460.34	---	PASS
11G	Ant2	2452	16.63	2443.66	2460.29	---	PASS
11G	Ant1	2457	16.45	2448.76	2465.21	---	PASS
11G	Ant2	2457	16.47	2448.73	2465.2	---	PASS
11G	Ant1	2462	16.46	2453.73	2470.19	---	PASS
11G	Ant2	2462	16.5	2453.7	2470.2	---	PASS
11G20CDD	Ant1	2412	16.44	2403.82	2420.26	---	PASS
11G20CDD	Ant2	2412	16.39	2403.85	2420.24	---	PASS
11G20CDD	Ant1	2422	16.62	2413.63	2430.25	---	PASS
11G20CDD	Ant2	2422	16.54	2413.75	2430.29	---	PASS
11G20CDD	Ant1	2437	16.76	2428.63	2445.39	---	PASS
11G20CDD	Ant2	2437	16.6	2428.7	2445.3	---	PASS
11G20CDD	Ant1	2452	16.62	2443.71	2460.33	---	PASS
11G20CDD	Ant2	2452	16.58	2443.71	2460.29	---	PASS
11G20CDD	Ant1	2457	16.48	2448.76	2465.24	---	PASS
11G20CDD	Ant2	2457	16.4	2448.76	2465.16	---	PASS
11G20CDD	Ant1	2462	16.46	2453.73	2470.19	---	PASS
11G20CDD	Ant2	2462	16.42	2453.75	2470.17	---	PASS
11N20SISO	Ant1	2412	17.48	2403.29	2420.77	---	PASS
11N20SISO	Ant2	2412	17.48	2403.31	2420.79	---	PASS
11N20SISO	Ant1	2422	17.54	2413.19	2430.73	---	PASS
11N20SISO	Ant2	2422	17.56	2413.21	2430.77	---	PASS
11N20SISO	Ant1	2437	17.64	2428.17	2445.81	---	PASS
11N20SISO	Ant2	2437	17.58	2428.22	2445.8	---	PASS
11N20SISO	Ant1	2452	17.52	2443.25	2460.77	---	PASS
11N20SISO	Ant2	2452	17.53	2443.22	2460.75	---	PASS





11N20SISO	Ant1	2457	17.5	2448.24	2465.74	---	PASS
11N20SISO	Ant2	2457	17.48	2448.22	2465.7	---	PASS
11N20SISO	Ant1	2462	17.5	2453.22	2470.72	---	PASS
11N20SISO	Ant2	2462	17.55	2453.2	2470.75	---	PASS
11N20MIMO	Ant1	2412	16.42	2403.82	2420.24	---	PASS
11N20MIMO	Ant2	2412	17.45	2403.32	2420.77	---	PASS
11N20MIMO	Ant1	2422	16.65	2413.61	2430.26	---	PASS
11N20MIMO	Ant2	2422	17.51	2413.25	2430.76	---	PASS
11N20MIMO	Ant1	2437	16.77	2428.63	2445.4	---	PASS
11N20MIMO	Ant2	2437	17.55	2428.23	2445.78	---	PASS
11N20MIMO	Ant1	2452	16.63	2443.73	2460.36	---	PASS
11N20MIMO	Ant2	2452	17.51	2443.23	2460.74	---	PASS
11N20MIMO	Ant1	2457	16.45	2448.76	2465.21	---	PASS
11N20MIMO	Ant2	2457	17.47	2448.23	2465.7	---	PASS
11N20MIMO	Ant1	2462	16.49	2453.71	2470.2	---	PASS
11N20MIMO	Ant2	2462	17.5	2453.23	2470.73	---	PASS
11N40SISO	Ant1	2422	36.66	2403.69	2440.35	---	PASS
11N40SISO	Ant2	2422	36.68	2403.77	2440.45	---	PASS
11N40SISO	Ant1	2427	36.78	2408.56	2445.34	---	PASS
11N40SISO	Ant2	2427	36.75	2408.7	2445.45	---	PASS
11N40SISO	Ant1	2432	36.96	2413.48	2450.44	---	PASS
11N40SISO	Ant2	2432	36.87	2413.58	2450.45	---	PASS
11N40SISO	Ant1	2437	36.97	2418.44	2455.41	---	PASS
11N40SISO	Ant2	2437	36.82	2418.58	2455.4	---	PASS
11N40SISO	Ant1	2442	36.88	2423.55	2460.43	---	PASS
11N40SISO	Ant2	2442	36.72	2423.64	2460.36	---	PASS
11N40SISO	Ant1	2447	36.82	2428.6	2465.42	---	PASS
11N40SISO	Ant2	2447	36.65	2428.66	2465.31	---	PASS
11N40SISO	Ant1	2452	36.62	2433.67	2470.29	---	PASS
11N40SISO	Ant2	2452	36.69	2433.58	2470.27	---	PASS
11N40MIMO	Ant1	2422	36.67	2403.65	2440.32	---	PASS
11N40MIMO	Ant2	2422	36.42	2403.88	2440.3	---	PASS
11N40MIMO	Ant1	2427	36.74	2408.61	2445.35	---	PASS
11N40MIMO	Ant2	2427	36.52	2408.78	2445.3	---	PASS
11N40MIMO	Ant1	2432	36.93	2413.45	2450.38	---	PASS
11N40MIMO	Ant2	2432	36.55	2413.74	2450.29	---	PASS
11N40MIMO	Ant1	2437	36.97	2418.45	2455.42	---	PASS
11N40MIMO	Ant2	2437	36.6	2418.7	2455.3	---	PASS
11N40MIMO	Ant1	2442	36.87	2423.6	2460.47	---	PASS
11N40MIMO	Ant2	2442	36.56	2423.71	2460.27	---	PASS
11N40MIMO	Ant1	2447	36.94	2428.53	2465.47	---	PASS
11N40MIMO	Ant2	2447	36.48	2428.75	2465.23	---	PASS
11N40MIMO	Ant1	2452	36.79	2433.57	2470.36	---	PASS

11N40MIMO	Ant2	2452	36.45	2433.7	2470.15	---	PASS
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**Part II - Test Graphs**

**1.1 11B\_Ant1\_2412**



## 1.2 11B\_Ant2\_2412



## 1.3 11B\_Ant1\_2437



## 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

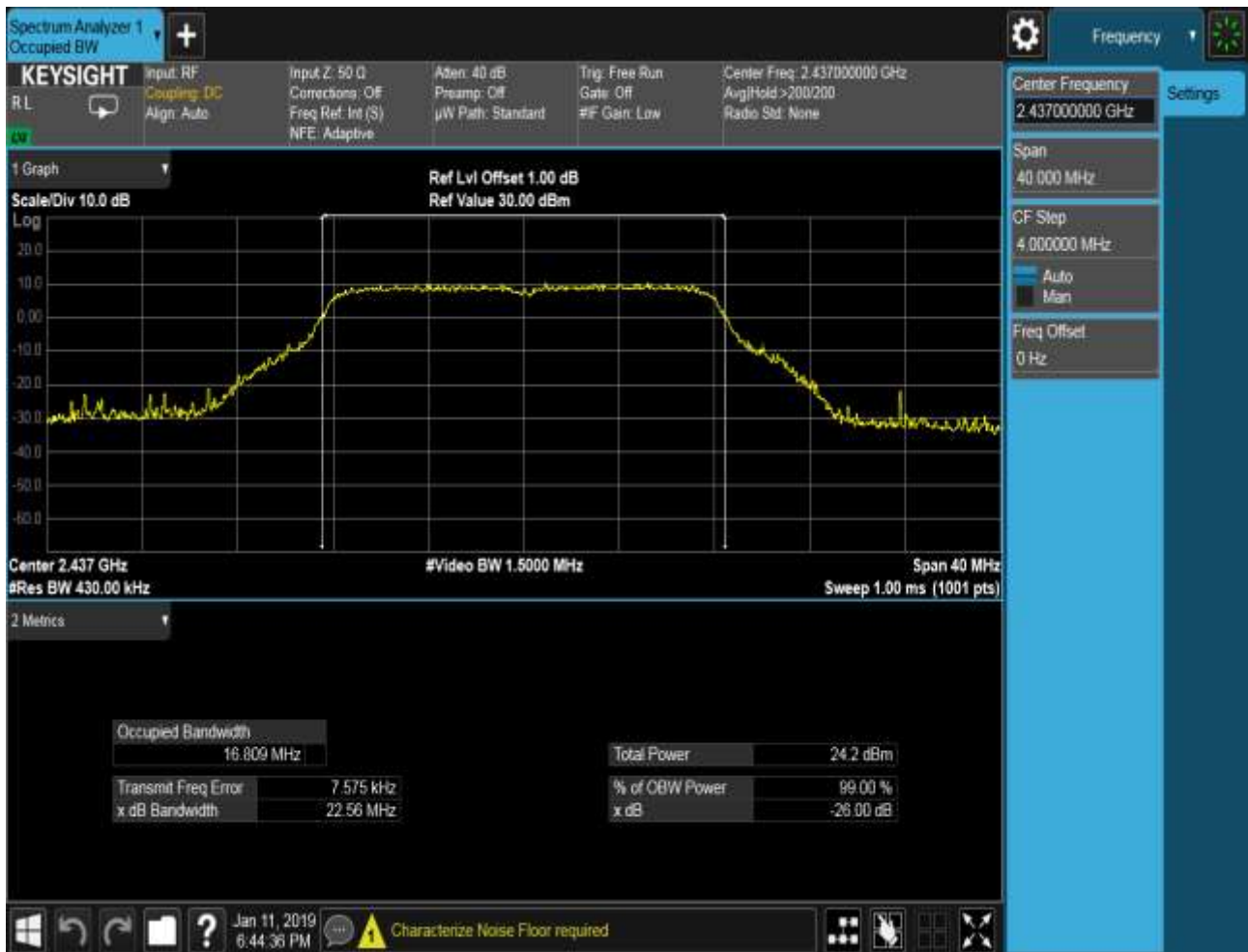




## 1.10 11G\_Ant2\_2422



## 1.11 11G\_Ant1\_2437



## 1.12 11G\_Ant2\_2437



## 1.13 11G\_Ant1\_2452

