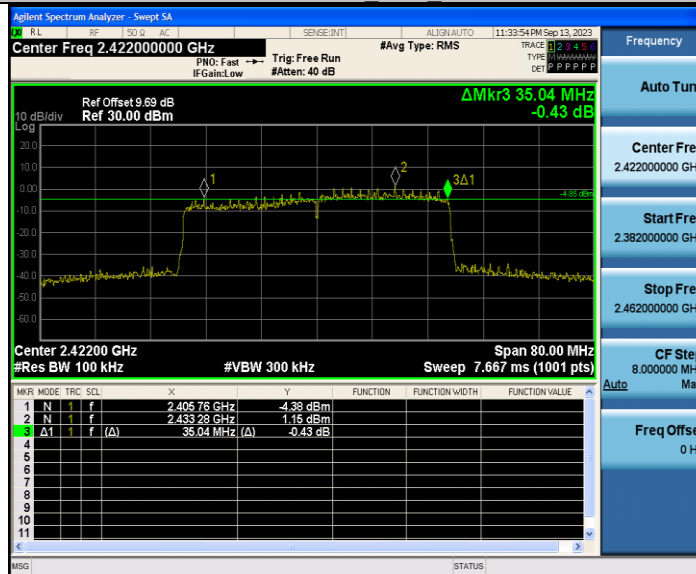
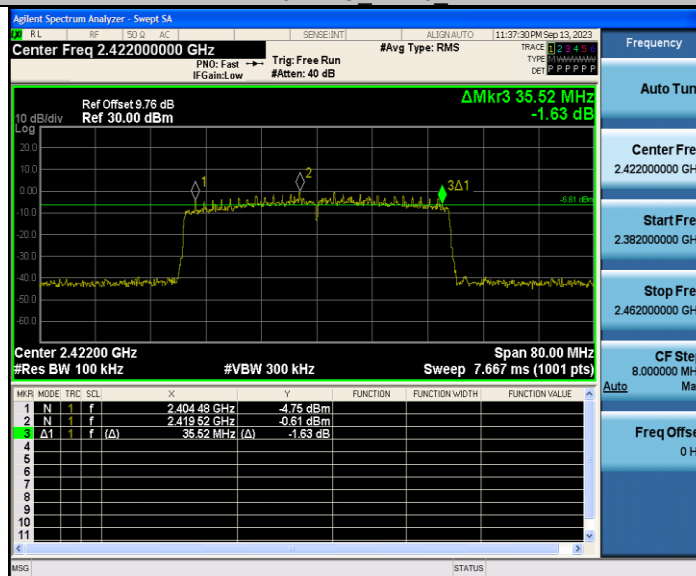


11ax40MIMO Ant9 2422



Frequency
Auto Tune
Center Freq 2.422000000 GHz
Start Freq 2.382000000 GHz
Stop Freq 2.462000000 GHz
CF Step 8.000000 MHz Man
Freq Offset 0 Hz

11ax40MIMO Ant10 2422



Frequency
Auto Tune
Center Freq 2.422000000 GHz
Start Freq 2.382000000 GHz
Stop Freq 2.462000000 GHz
CF Step 8.000000 MHz Man
Freq Offset 0 Hz

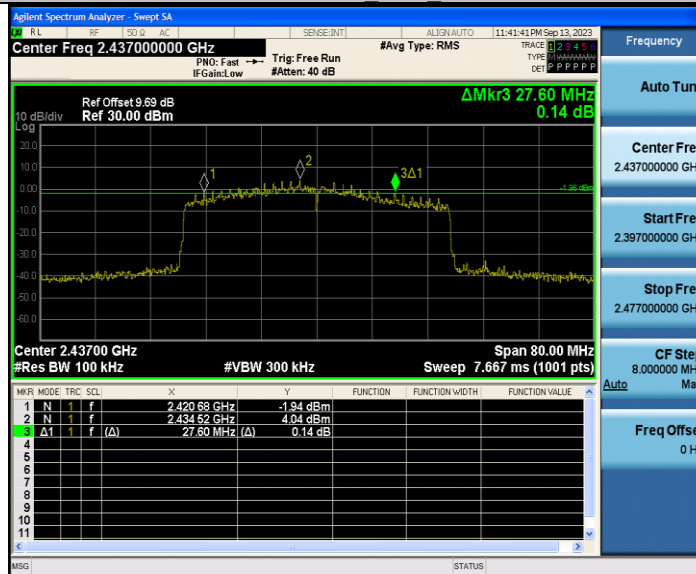


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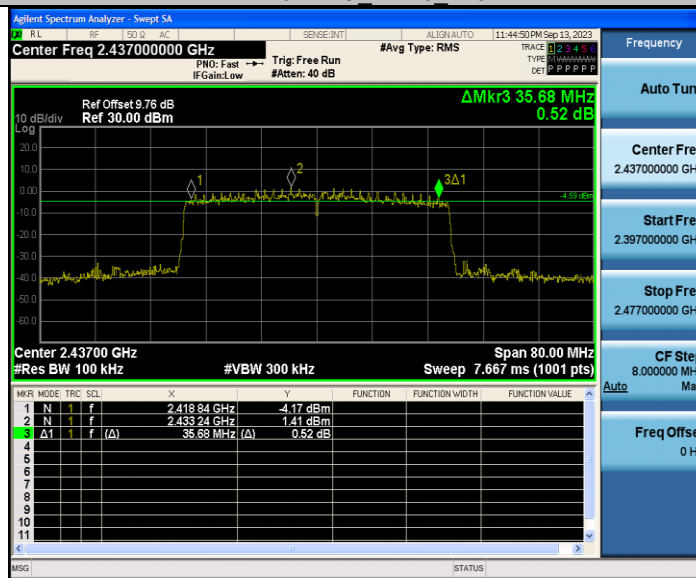
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11ax40MIMO Ant9 2437

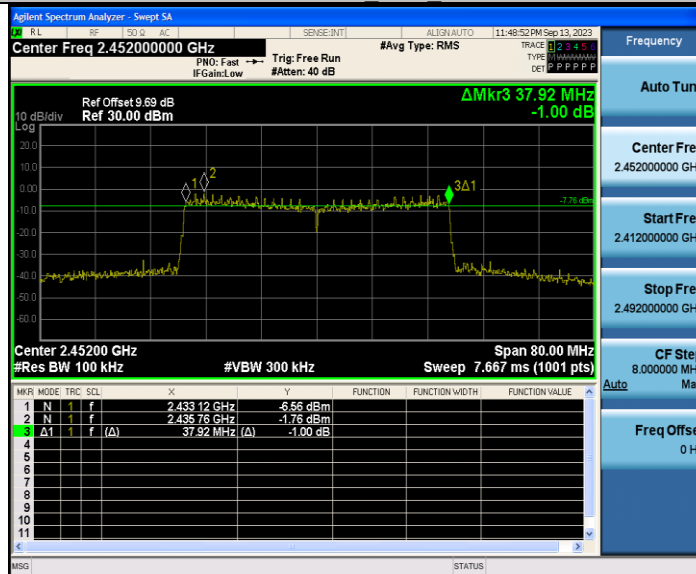


11ax40MIMO Ant10 2437

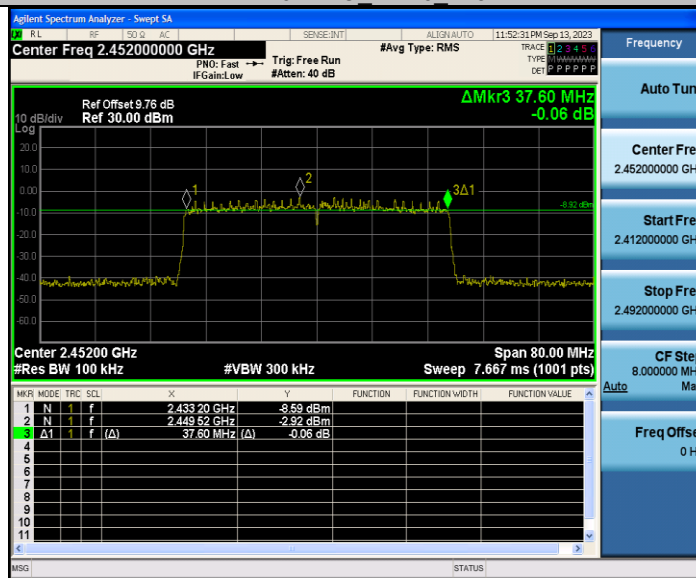


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11ax40MIMO Ant9 2452



11ax40MIMO Ant10 2452



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**99% Occupied Bandwidth
 Test Result**

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Verdict
11b-CDD	Ant9	2412	12.650	2405.8268	2418.4768	
	Ant10	2412	12.687	2405.7408	2418.4278	
	Ant9	2437	12.254	2430.7457	2442.9997	
	Ant10	2437	12.599	2430.6667	2443.2657	
	Ant9	2462	12.590	2456.0723	2468.6623	
	Ant10	2462	12.779	2455.6972	2468.4762	
11g-CDD	Ant9	2412	18.291	2402.5442	2420.8352	
	Ant10	2412	17.103	2403.4126	2420.5156	
	Ant9	2437	17.159	2428.1960	2445.3550	
	Ant10	2437	17.166	2428.4113	2445.5773	
	Ant9	2462	17.678	2453.3439	2471.0219	
	Ant10	2462	17.071	2453.6280	2470.6990	
11n20MIMO	Ant9	2412	19.366	2402.0284	2421.3944	
	Ant10	2412	18.274	2402.9935	2421.2675	
	Ant9	2437	18.517	2427.5942	2446.1112	
	Ant10	2437	18.082	2427.7922	2445.8742	
	Ant9	2462	18.788	2452.7403	2471.5283	
	Ant10	2462	18.115	2453.0943	2471.2093	
11n40MIMO	Ant9	2422	36.249	2404.0396	2440.2886	
	Ant10	2422	35.908	2404.2091	2440.1171	
	Ant9	2437	35.787	2419.0789	2454.8659	
	Ant10	2437	35.870	2419.0203	2454.8903	
	Ant9	2452	36.996	2433.5286	2470.5246	
	Ant10	2452	36.368	2433.8099	2470.1779	
11VHT20MIMO	Ant9	2412	18.830	2402.8137	2421.6437	
	Ant10	2412	18.203	2402.9731	2421.1761	
	Ant9	2437	18.158	2427.7098	2445.8678	
	Ant10	2437	18.161	2427.8668	2446.0278	
	Ant9	2462	18.286	2452.9931	2471.2791	
	Ant10	2462	18.580	2452.9734	2471.5534	
11VHT40MIMO	Ant9	2422	36.139	2404.0344	2440.1734	
	Ant10	2422	35.478	2404.4845	2439.9625	
	Ant9	2437	35.304	2419.3315	2454.6355	
	Ant10	2437	36.057	2418.9377	2454.9947	
	Ant9	2452	36.688	2433.7041	2470.3921	
	Ant10	2452	36.381	2433.9126	2470.2936	
11ax20MIMO	Ant9	2412	19.070	2402.5561	2421.6261	
	Ant10	2412	18.946	2402.5700	2421.5160	
	Ant9	2437	18.975	2427.4844	2446.4594	
	Ant10	2437	18.901	2427.4915	2446.3925	
	Ant9	2462	19.054	2452.6677	2471.7217	
	Ant10	2462	19.075	2452.4922	2471.5672	
11ax40MIMO	Ant9	2422	37.705	2403.2528	2440.9578	
	Ant10	2422	37.514	2403.3295	2440.8435	
	Ant9	2437	37.000	2418.4424	2455.4424	
	Ant10	2437	37.624	2418.1610	2455.7850	
	Ant9	2452	38.097	2432.9548	2471.0518	
	Ant10	2452	37.709	2433.1456	2470.8546	

For Report Purpose



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Test Graphs



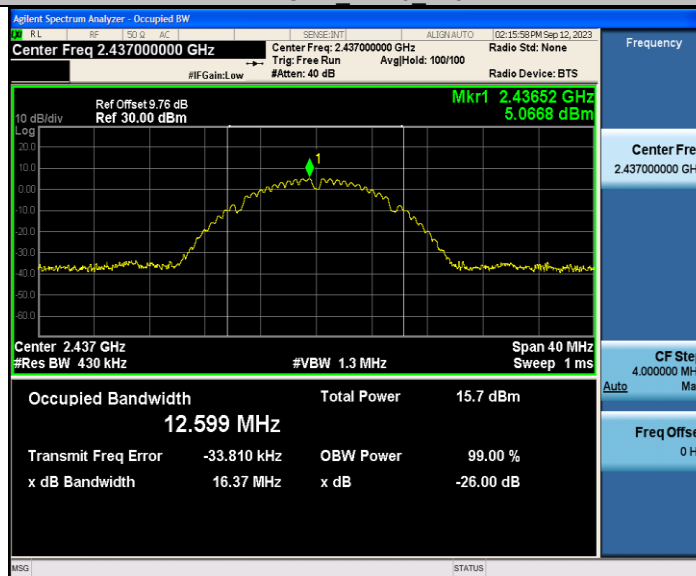
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11b-CDD Ant9 2437



11b-CDD Ant10 2437



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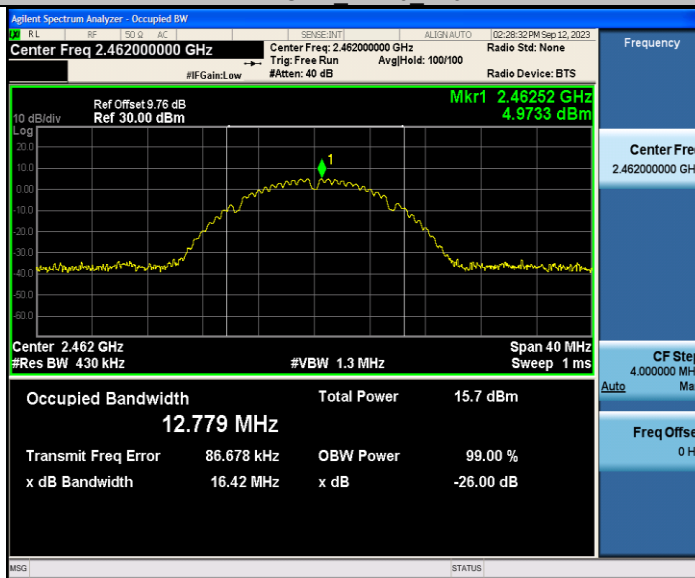
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11b-CDD Ant10 2462



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11g-CDD Ant9 2412



11g-CDD Ant10 2412



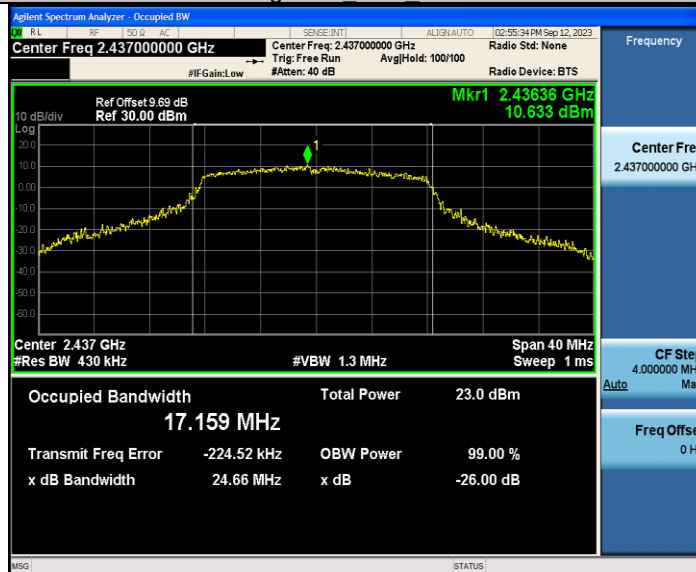
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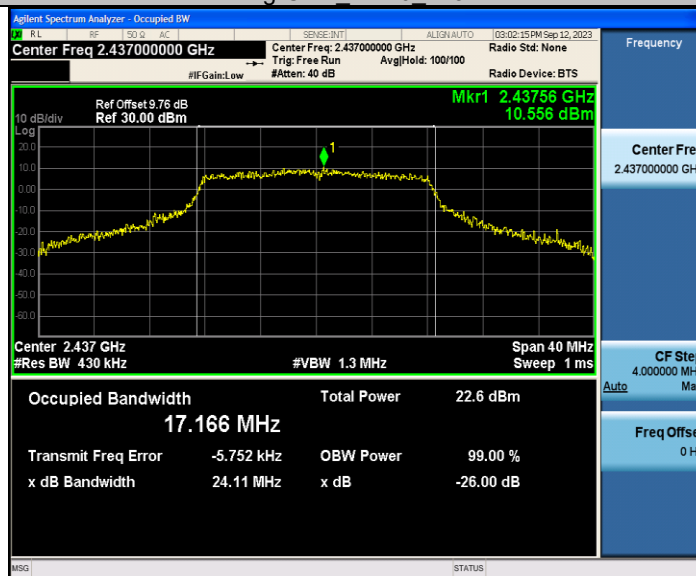
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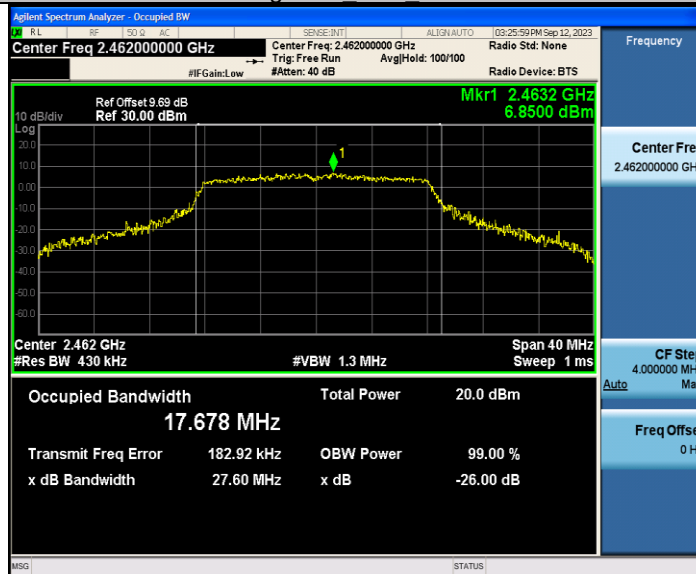
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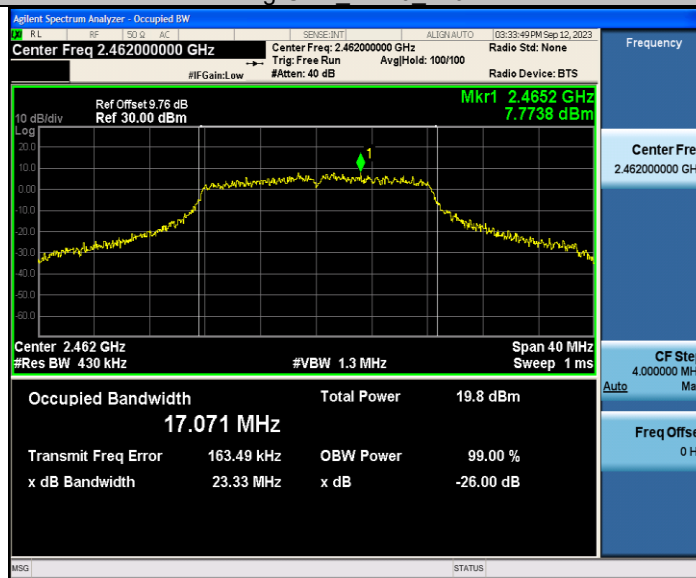
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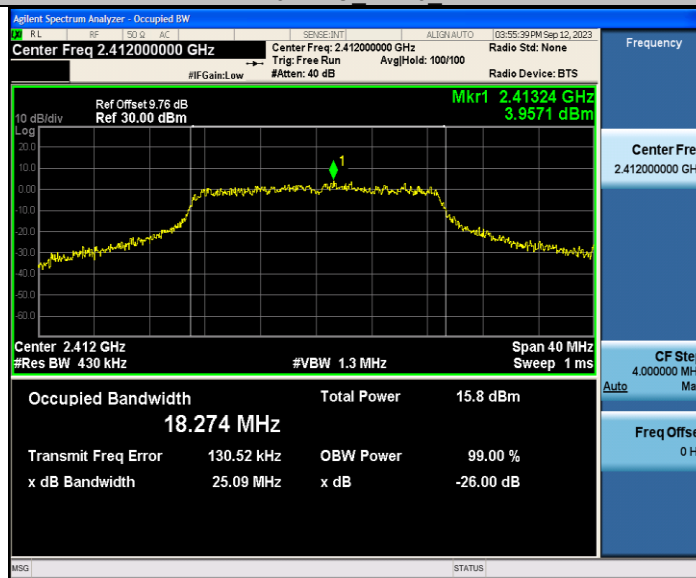
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11n20MIMO Ant9 2412

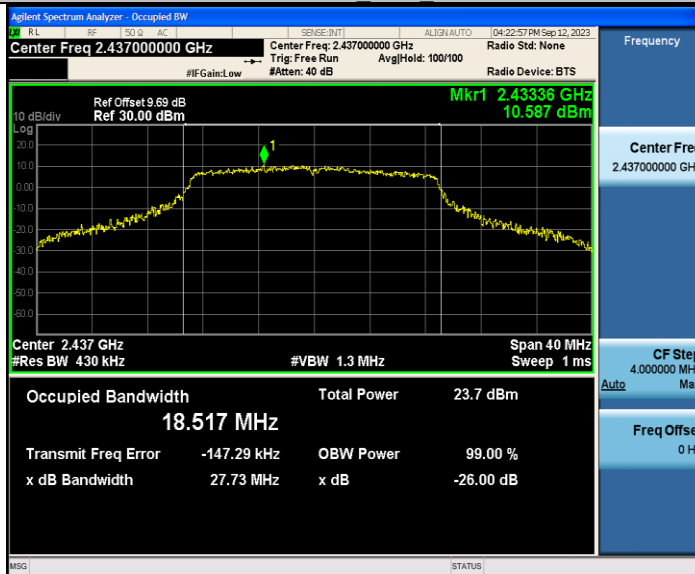


11n20MIMO Ant10 2412

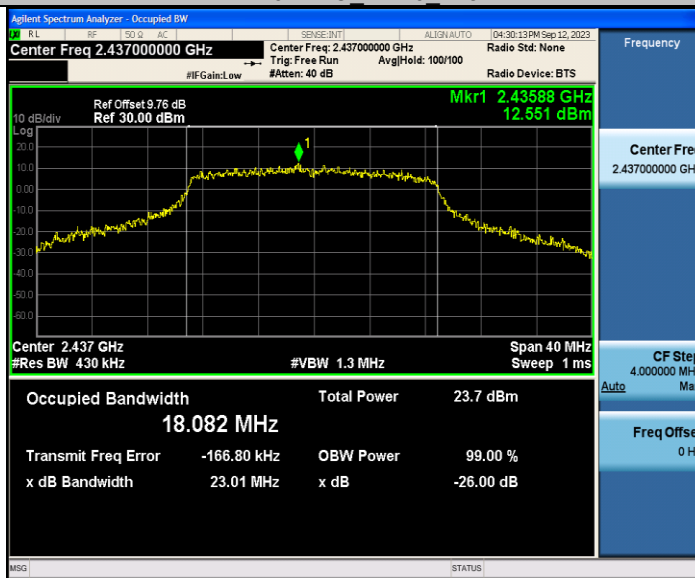


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11n20MIMO Ant9 2437



11n20MIMO Ant10 2437

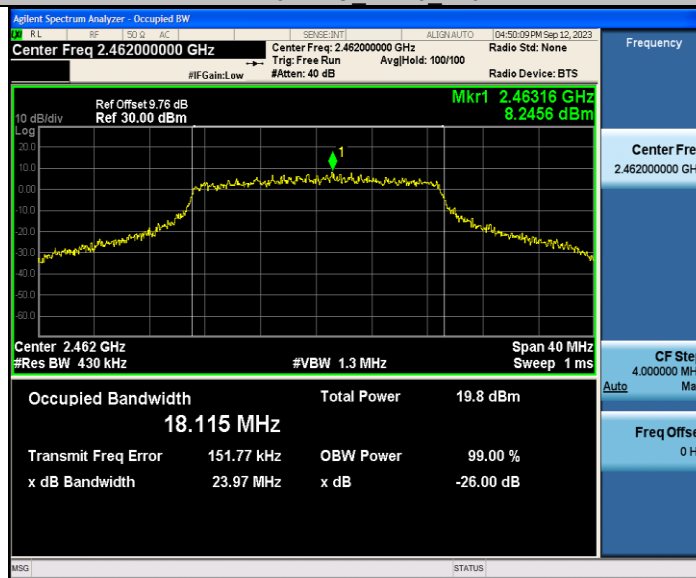


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11n20MIMO Ant9 2462

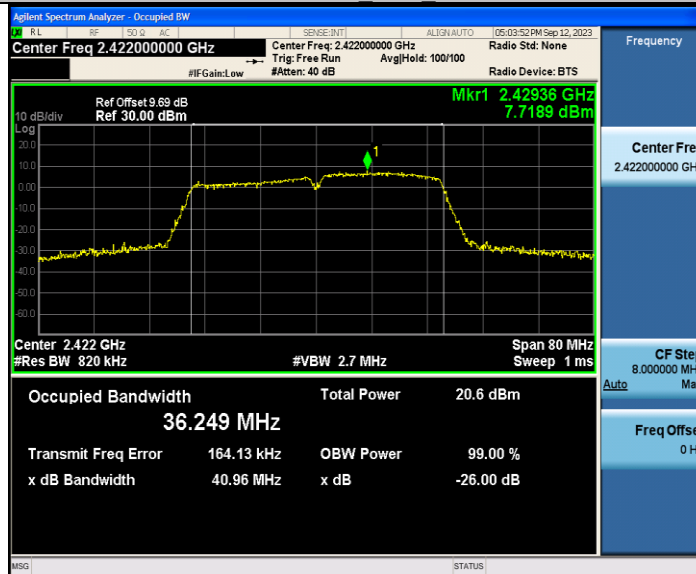


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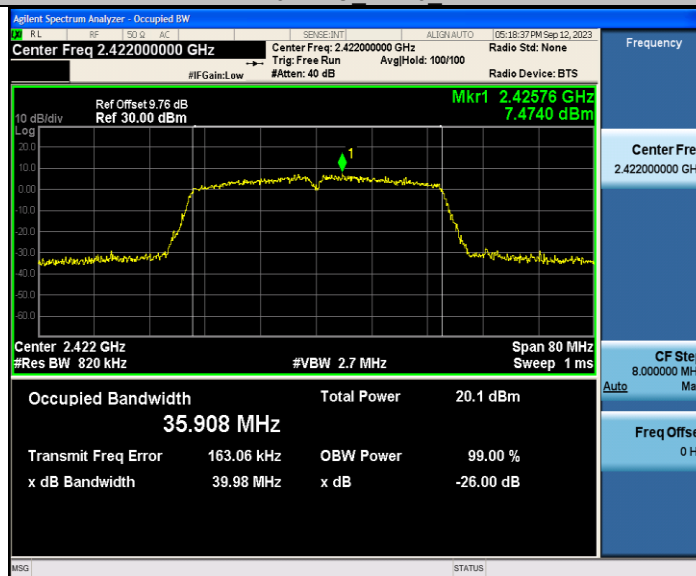


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11n40MIMO Ant9 2422

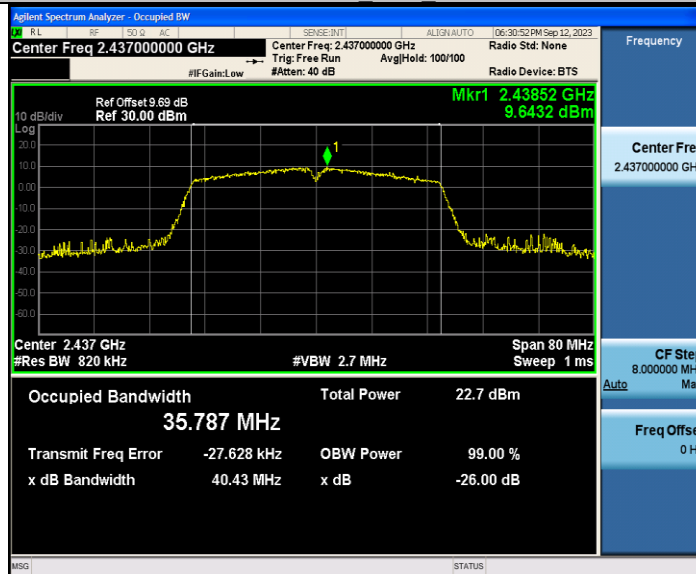


11n40MIMO Ant10 2422

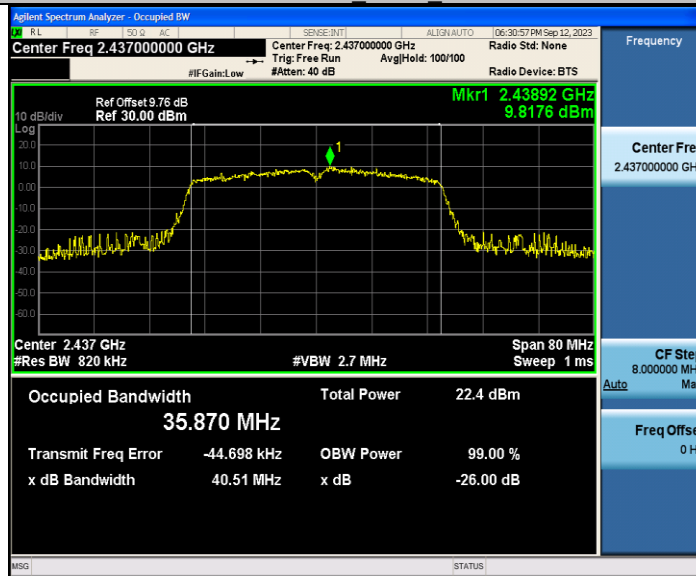


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11n40MIMO Ant9 2437



11n40MIMO Ant10 2437

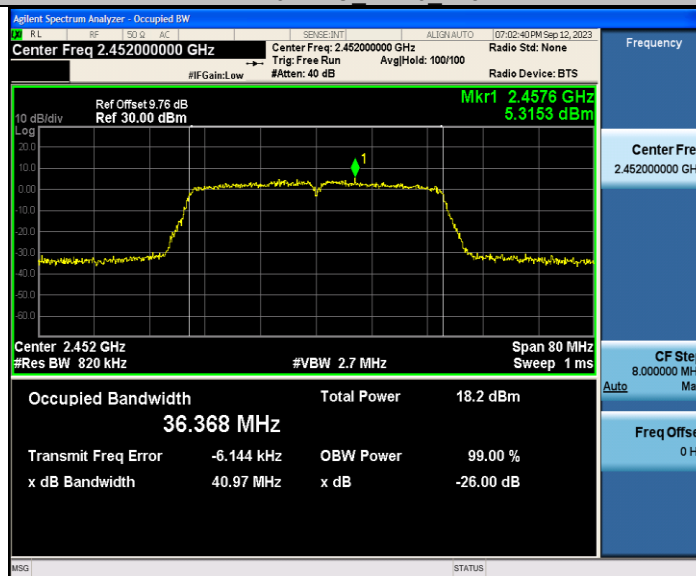


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11n40MIMO Ant9 2452



11n40MIMO Ant10 2452

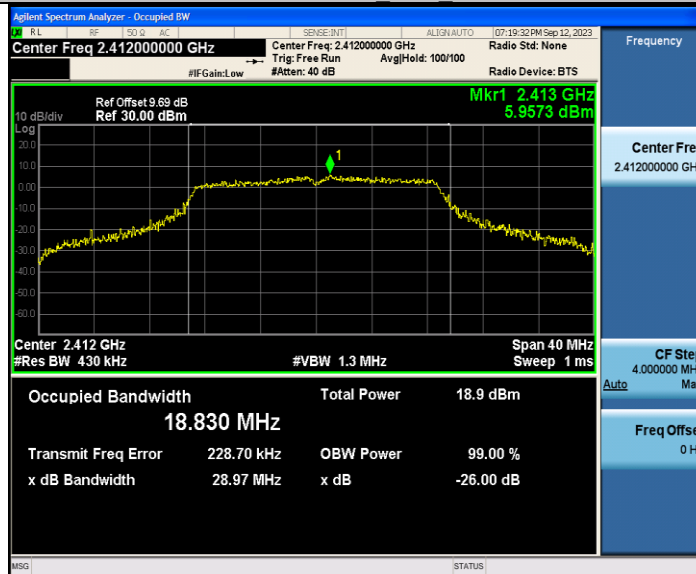


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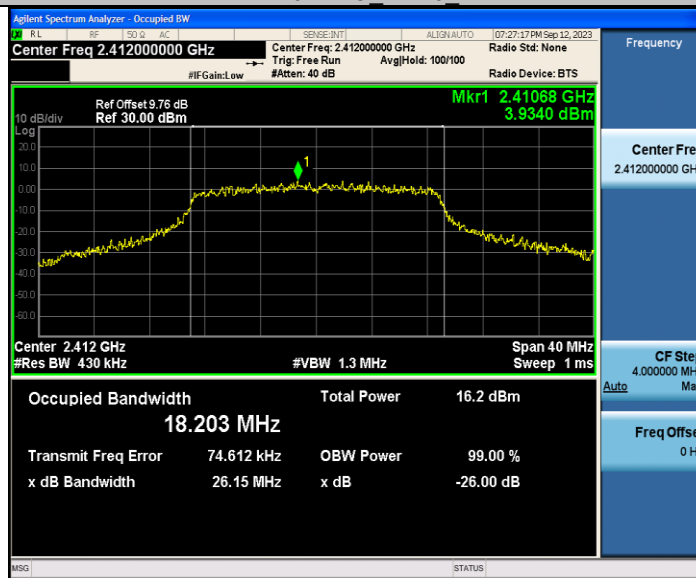
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11VHT20MIMO Ant9 2412

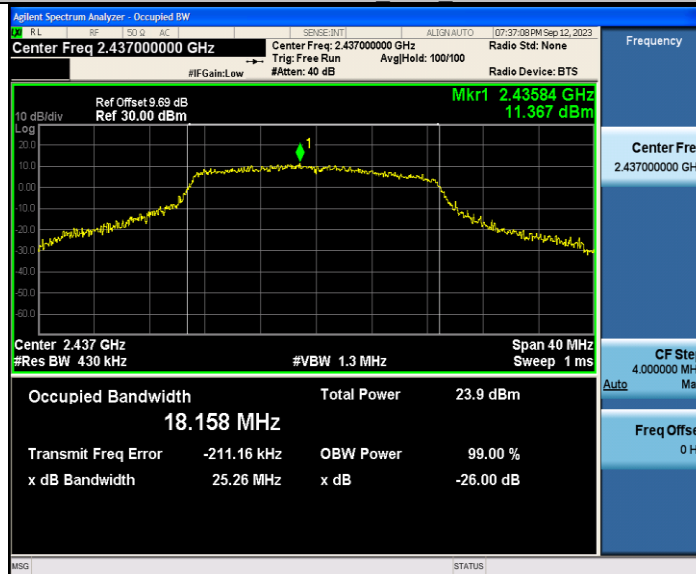


11VHT20MIMO Ant10 2412

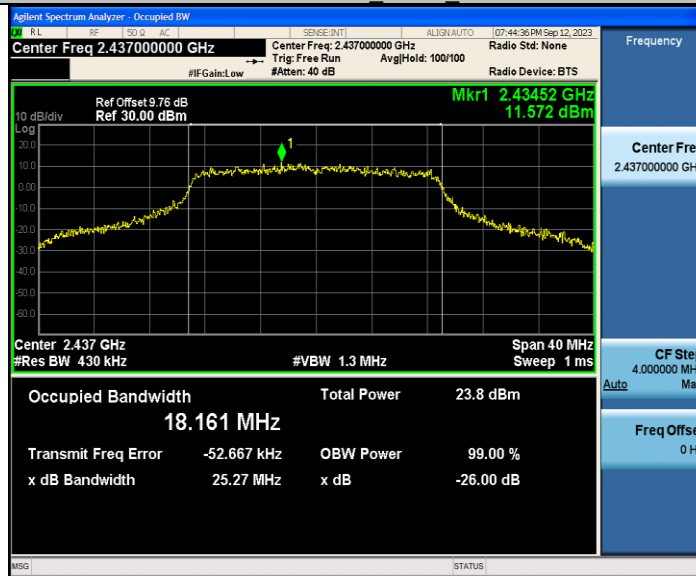


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11VHT20MIMO Ant9 2437



11VHT20MIMO Ant10 2437

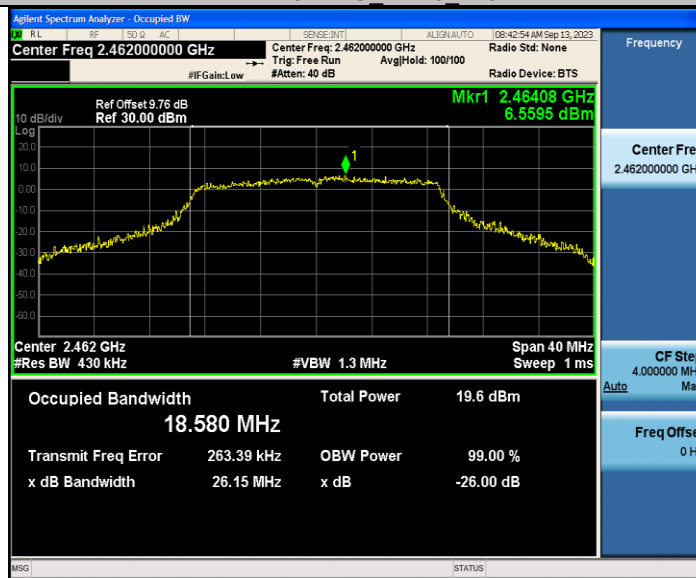


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11VHT20MIMO Ant9 2462



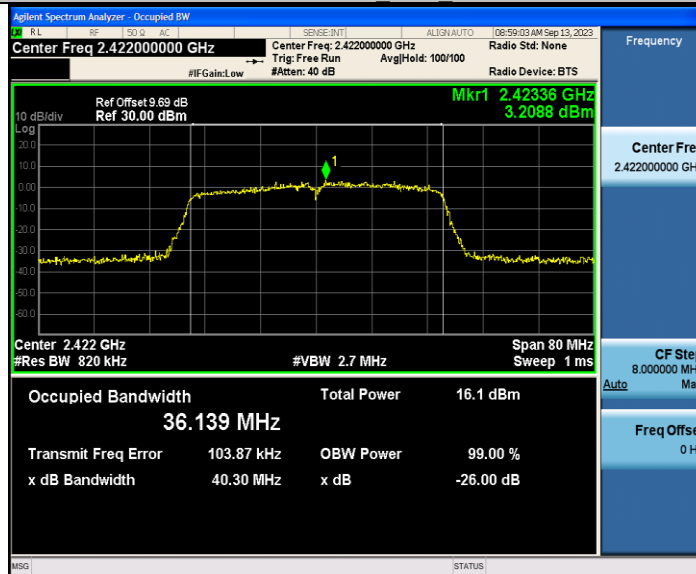
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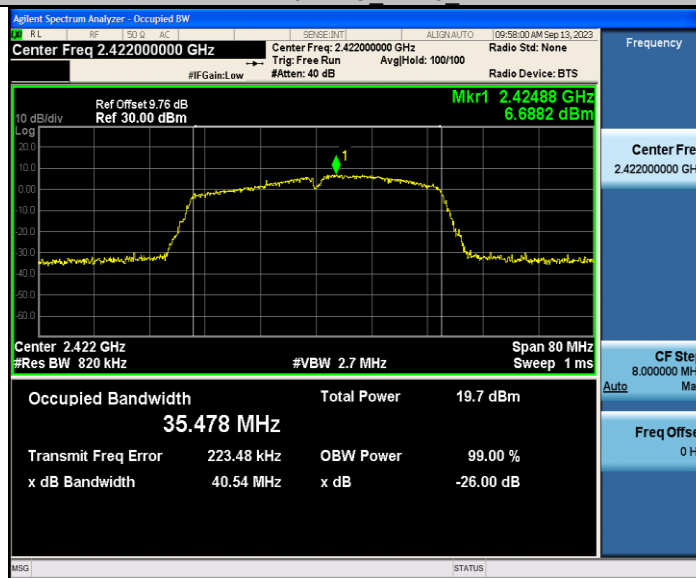
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11VHT40MIMO Ant9 2422



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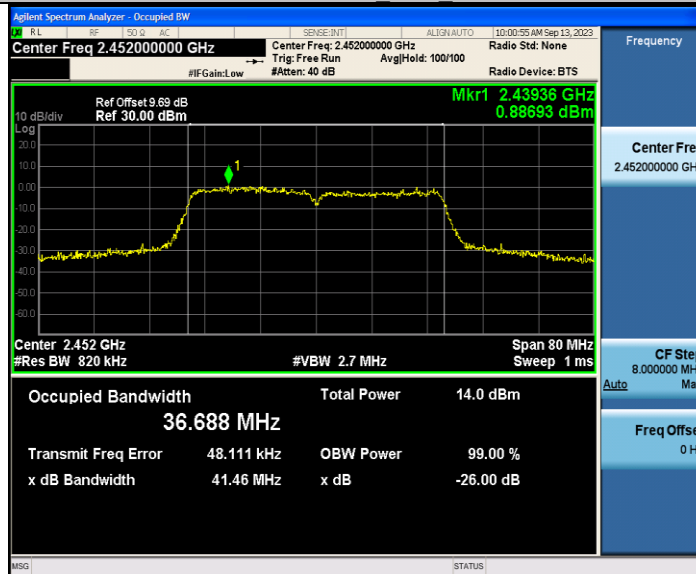


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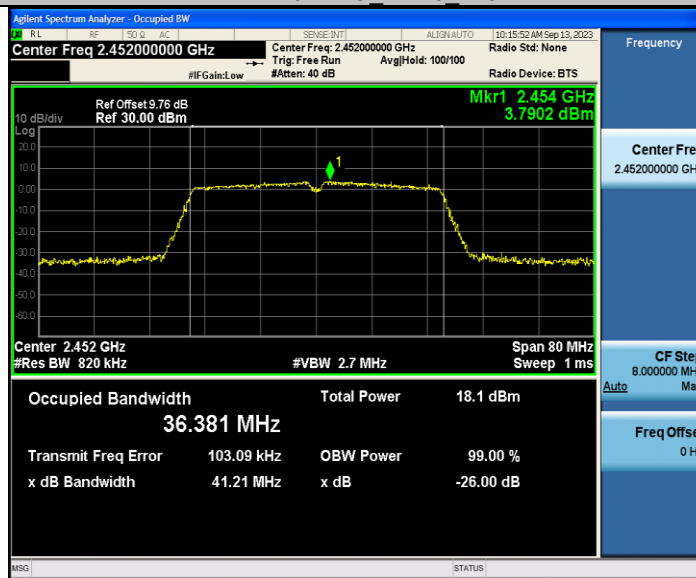
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11VHT40MIMO Ant9 2452



11VHT40MIMO Ant10 2452

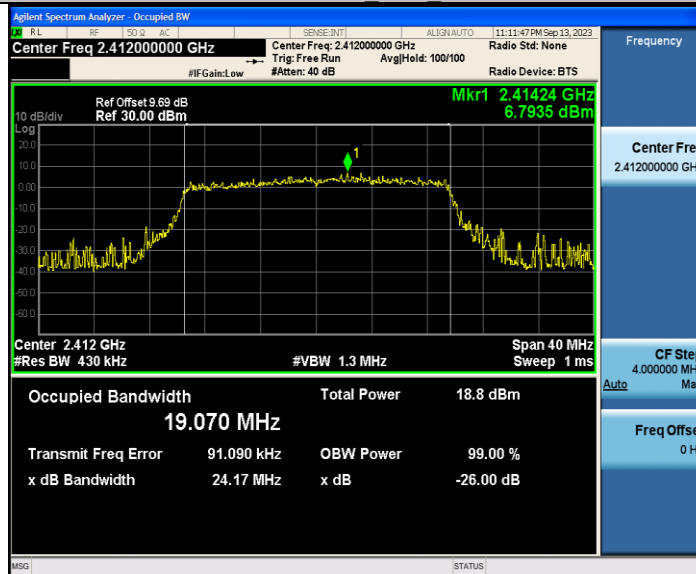


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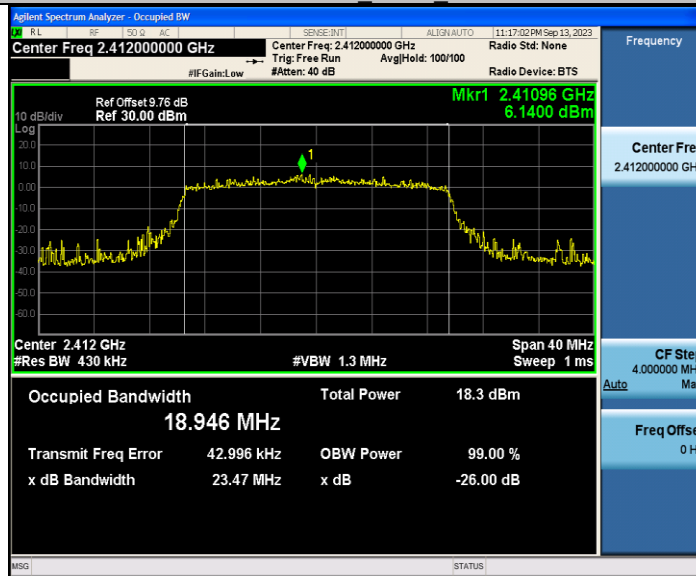
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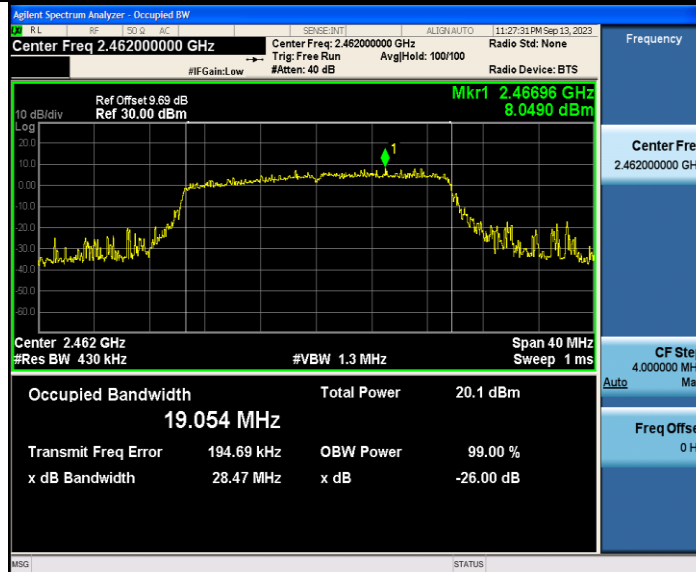
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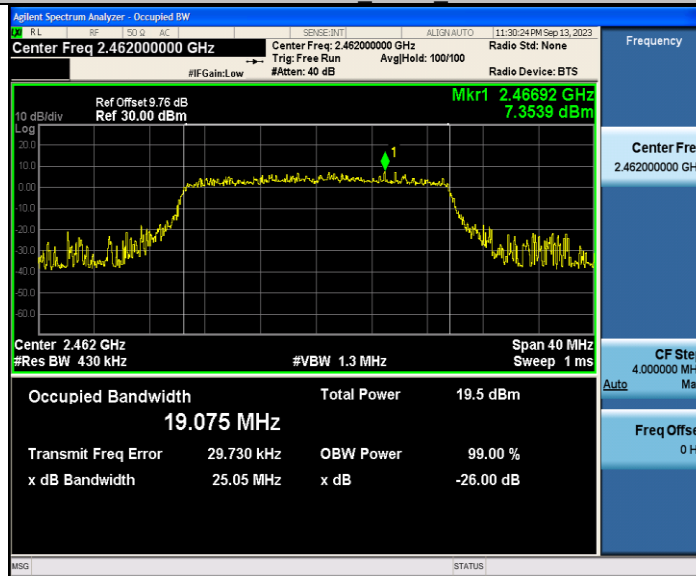
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11ax20MIMO Ant9 2462



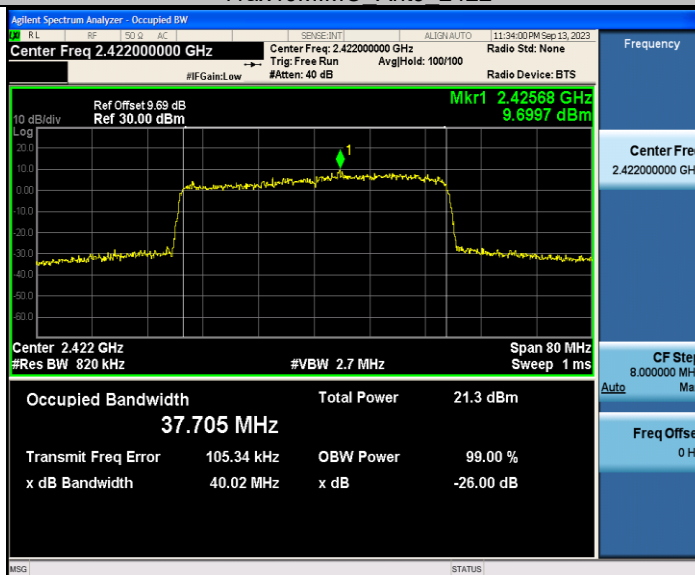
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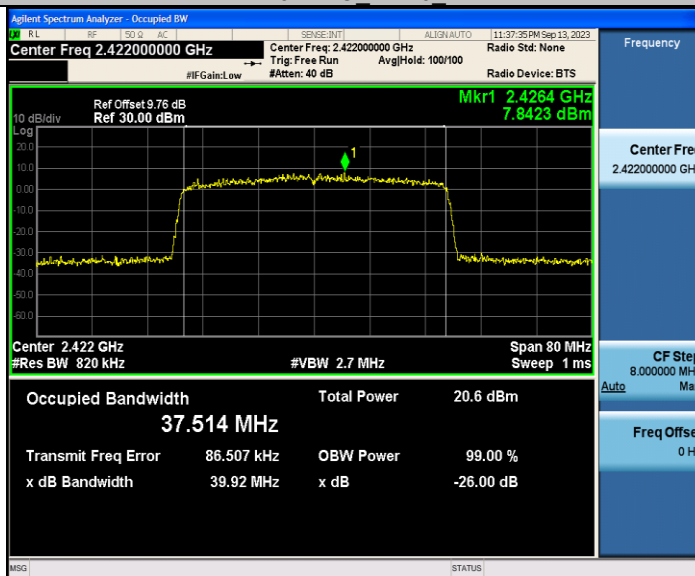
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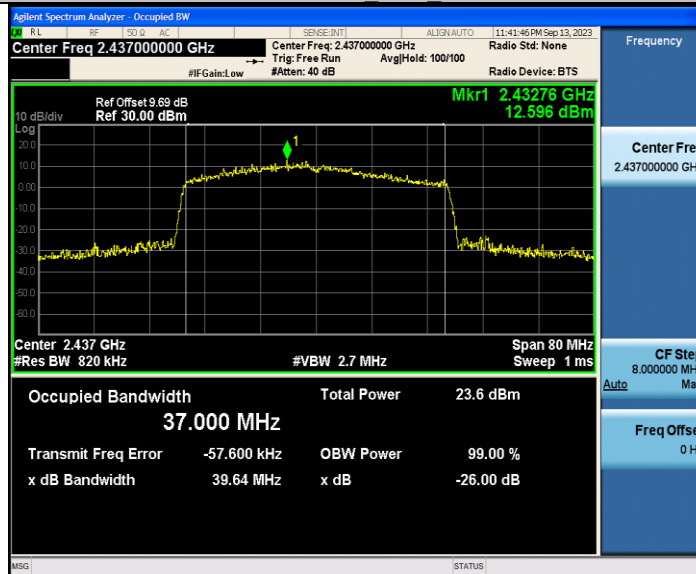


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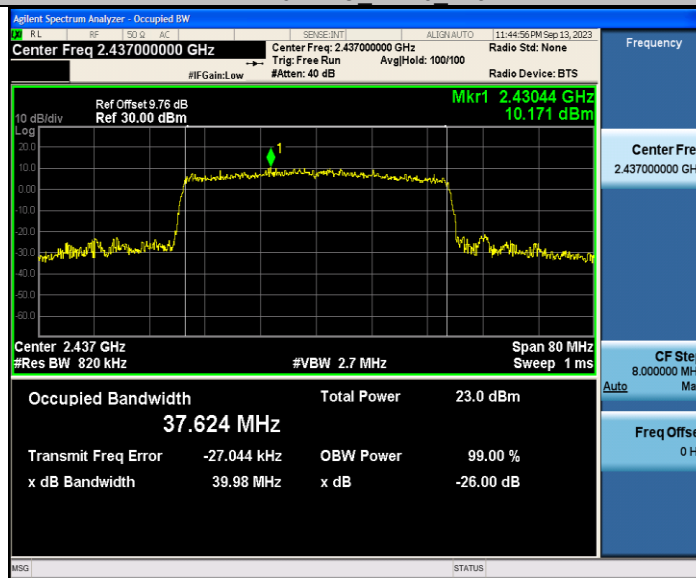
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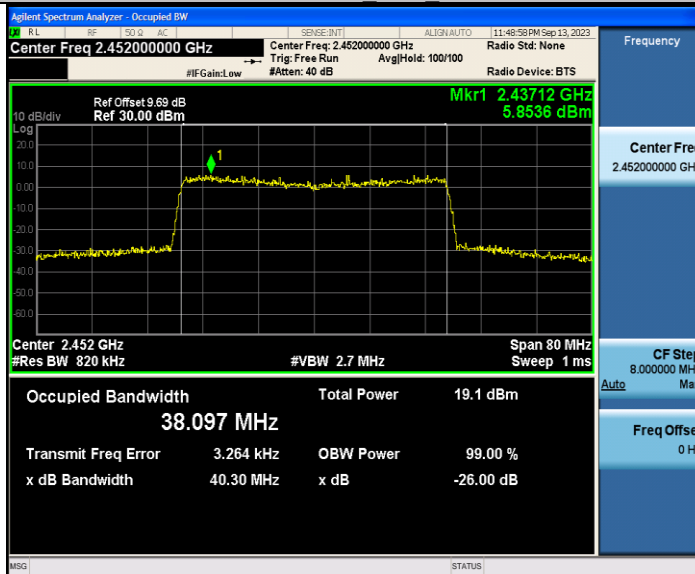


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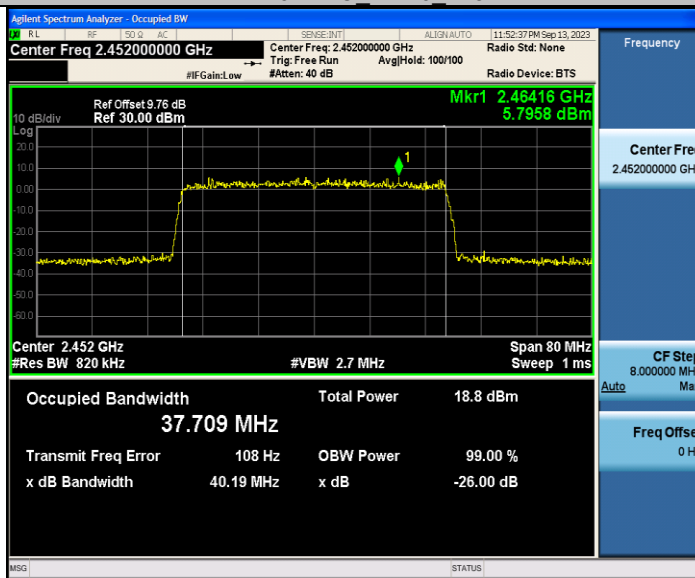


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**Maximum conducted output power
 Test Result Peak**

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11b-CDD	Ant9	2412	15.12	≤30.00	PASS
	Ant10	2412	15.01	≤30.00	PASS
	total	2412	18.08	≤30.00	PASS
	Ant9	2437	14.89	≤30.00	PASS
	Ant10	2437	14.78	≤30.00	PASS
	total	2437	17.85	≤30.00	PASS
	Ant9	2462	14.96	≤30.00	PASS
	Ant10	2462	14.99	≤30.00	PASS
	total	2462	17.99	≤30.00	PASS
11g-CDD	Ant9	2412	21.45	≤30.00	PASS
	Ant10	2412	21.52	≤30.00	PASS
	total	2412	24.50	≤30.00	PASS
	Ant9	2437	24.87	≤30.00	PASS
	Ant10	2437	25.01	≤30.00	PASS
	total	2437	27.95	≤30.00	PASS
	Ant9	2462	22.68	≤30.00	PASS
	Ant10	2462	22.78	≤30.00	PASS
	total	2462	25.74	≤30.00	PASS
11n20MIMO	Ant9	2412	22.78	≤30.00	PASS
	Ant10	2412	22.34	≤30.00	PASS
	total	2412	25.58	≤30.00	PASS
	Ant9	2437	25.62	≤30.00	PASS
	Ant10	2437	25.37	≤30.00	PASS
	total	2437	28.51	≤30.00	PASS
	Ant9	2462	24.21	≤30.00	PASS
	Ant10	2462	24.52	≤30.00	PASS
	total	2462	27.38	≤30.00	PASS
11n40MIMO	Ant9	2422	23.24	≤30.00	PASS
	Ant10	2422	23.35	≤30.00	PASS
	total	2422	26.31	≤30.00	PASS
	Ant9	2437	25.01	≤30.00	PASS
	Ant10	2437	24.77	≤30.00	PASS
	total	2437	27.90	≤30.00	PASS
	Ant9	2452	22.34	≤30.00	PASS
	Ant10	2452	22.41	≤30.00	PASS
	total	2452	25.39	≤30.00	PASS
11VHT20MIMO	Ant9	2412	22.53	≤30.00	PASS
	Ant10	2412	22.23	≤30.00	PASS
	total	2412	25.39	≤30.00	PASS
	Ant9	2437	25.52	≤30.00	PASS
	Ant10	2437	25.11	≤30.00	PASS
	total	2437	28.33	≤30.00	PASS
	Ant9	2462	23.01	≤30.00	PASS
	Ant10	2462	23.12	≤30.00	PASS
	total	2462	26.08	≤30.00	PASS
11VHT40MIMO	Ant9	2422	21.45	≤30.00	PASS
	Ant10	2422	21.47	≤30.00	PASS
	total	2422	24.47	≤30.00	PASS



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	Ant9	2437	24.81	≤30.00	PASS
	Ant10	2437	23.83	≤30.00	PASS
	total	2437	27.36	≤30.00	PASS
	Ant9	2452	20.94	≤30.00	PASS
	Ant10	2452	21.10	≤30.00	PASS
	total	2452	24.03	≤30.00	PASS
11ax20MIMO	Ant9	2412	21.68	≤30.00	PASS
	Ant10	2412	22.12	≤30.00	PASS
	total	2412	24.92	≤30.00	PASS
	Ant9	2437	25.63	≤30.00	PASS
	Ant10	2437	25.41	≤30.00	PASS
	total	2437	28.53	≤30.00	PASS
	Ant9	2462	22.58	≤30.00	PASS
	Ant10	2462	22.84	≤30.00	PASS
	total	2462	25.72	≤30.00	PASS
11ax40MIMO	Ant9	2422	22.46	≤30.00	PASS
	Ant10	2422	22.45	≤30.00	PASS
	total	2422	25.47	≤30.00	PASS
	Ant9	2437	24.72	≤30.00	PASS
	Ant10	2437	24.52	≤30.00	PASS
	total	2437	27.63	≤30.00	PASS
	Ant9	2452	21.59	≤30.00	PASS
	Ant10	2452	21.57	≤30.00	PASS
	total	2452	24.59	≤30.00	PASS



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Test Result Peak for AX Part RU

Test Mode	Antenna	Frequency[MHz]	Ru Size	Ru Index	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11ax20MIMO	Ant9	2412	26Tone	RU0	18.87	≤30.00	PASS
			52Tone	RU37	20.83	≤30.00	PASS
			106Tone	RU53	20.46	≤30.00	PASS
	Ant10	2412	26Tone	RU0	16.96	≤30.00	PASS
			52Tone	RU37	20.44	≤30.00	PASS
			106Tone	RU53	20.16	≤30.00	PASS
	total	2412	26Tone	RU0	21.03	≤30.00	PASS
			52Tone	RU37	23.65	≤30.00	PASS
			106Tone	RU53	23.32	≤30.00	PASS
	Ant9	2437	26Tone	RU4	19.52	≤30.00	PASS
			52Tone	RU38	20.66	≤30.00	PASS
			106Tone	RU53	20.62	≤30.00	PASS
	Ant10	2437	26Tone	RU4	18.87	≤30.00	PASS
			52Tone	RU38	20.11	≤30.00	PASS
			106Tone	RU53	21.42	≤30.00	PASS
	total	2437	26Tone	RU4	22.22	≤30.00	PASS
			52Tone	RU38	23.40	≤30.00	PASS
			106Tone	RU53	24.05	≤30.00	PASS
	Ant9	2462	26Tone	RU8	20.01	≤30.00	PASS
			52Tone	RU40	19.68	≤30.00	PASS
			106Tone	RU54	20.45	≤30.00	PASS
	Ant10	2462	26Tone	RU8	18.08	≤30.00	PASS
			52Tone	RU40	19.75	≤30.00	PASS
			106Tone	RU54	20.67	≤30.00	PASS
total	2462	26Tone	RU8	22.16	≤30.00	PASS	
		52Tone	RU40	22.73	≤30.00	PASS	
		106Tone	RU54	23.57	≤30.00	PASS	
11ax40MIMO	Ant9	2422	242Tone	RU61	20.98	≤30.00	PASS
	Ant10	2422	242Tone	RU61	20.15	≤30.00	PASS
	total	2422	242Tone	RU61	23.60	≤30.00	PASS
	Ant9	2437	242Tone	RU61	21.17	≤30.00	PASS
	Ant10	2437	242Tone	RU61	20.96	≤30.00	PASS
	total	2437	242Tone	RU61	24.08	≤30.00	PASS
	Ant9	2452	242Tone	RU62	20.58	≤30.00	PASS
	Ant10	2452	242Tone	RU62	20.91	≤30.00	PASS
	total	2452	242Tone	RU62	23.76	≤30.00	PASS



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power spectral density
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11b-CDD	Ant9	2412	-8.81	≤8.00	PASS
	Ant10	2412	-9.31	≤8.00	PASS
	total	2412	-6.04	≤8.00	PASS
	Ant9	2437	-9.05	≤8.00	PASS
	Ant10	2437	-9.02	≤8.00	PASS
	total	2437	-6.02	≤8.00	PASS
	Ant9	2462	-8.71	≤8.00	PASS
	Ant10	2462	-8.82	≤8.00	PASS
	total	2462	-5.75	≤8.00	PASS
11g-CDD	Ant9	2412	-11.22	≤8.00	PASS
	Ant10	2412	-10.44	≤8.00	PASS
	total	2412	-7.80	≤8.00	PASS
	Ant9	2437	-5.43	≤8.00	PASS
	Ant10	2437	-6.71	≤8.00	PASS
	total	2437	-3.01	≤8.00	PASS
	Ant9	2462	-9.45	≤8.00	PASS
	Ant10	2462	-9.80	≤8.00	PASS
	total	2462	-6.61	≤8.00	PASS
11n20MIMO	Ant9	2412	-10.98	≤8.00	PASS
	Ant10	2412	-12.12	≤8.00	PASS
	total	2412	-8.50	≤8.00	PASS
	Ant9	2437	-4.58	≤8.00	PASS
	Ant10	2437	-4.48	≤8.00	PASS
	total	2437	-1.52	≤8.00	PASS
	Ant9	2462	-9.77	≤8.00	PASS
	Ant10	2462	-8.33	≤8.00	PASS
	total	2462	-5.98	≤8.00	PASS
11n40MIMO	Ant9	2422	-12.17	≤8.00	PASS
	Ant10	2422	-13.72	≤8.00	PASS
	total	2422	-9.87	≤8.00	PASS
	Ant9	2437	-9.25	≤8.00	PASS
	Ant10	2437	-9.22	≤8.00	PASS
	total	2437	-6.22	≤8.00	PASS
	Ant9	2452	-15.04	≤8.00	PASS
	Ant10	2452	-15.08	≤8.00	PASS
	total	2452	-12.05	≤8.00	PASS
11VHT20MIMO	Ant9	2412	-9.51	≤8.00	PASS
	Ant10	2412	-13.48	≤8.00	PASS
	total	2412	-8.05	≤8.00	PASS
	Ant9	2437	-5.48	≤8.00	PASS
	Ant10	2437	-6.13	≤8.00	PASS
	total	2437	-2.78	≤8.00	PASS
	Ant9	2462	-10.92	≤8.00	PASS
	Ant10	2462	-9.95	≤8.00	PASS
	total	2462	-7.40	≤8.00	PASS
11VHT40MIMO	Ant9	2422	-17.44	≤8.00	PASS
	Ant10	2422	-11.66	≤8.00	PASS



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	total	2422	-10.64	≤8.00	PASS
	Ant9	2437	-11.47	≤8.00	PASS
	Ant10	2437	-8.88	≤8.00	PASS
	total	2437	-6.97	≤8.00	PASS
	Ant9	2452	-19.57	≤8.00	PASS
	Ant10	2452	-15.80	≤8.00	PASS
	total	2452	-14.28	≤8.00	PASS
11ax20MIMO	Ant9	2412	-12.36	≤8.00	PASS
	Ant10	2412	-13.04	≤8.00	PASS
	total	2412	-9.68	≤8.00	PASS
	Ant9	2437	-8.00	≤8.00	PASS
	Ant10	2437	-7.28	≤8.00	PASS
	total	2437	-4.61	≤8.00	PASS
	Ant9	2462	-12.71	≤8.00	PASS
11ax40MIMO	Ant10	2462	-13.13	≤8.00	PASS
	total	2462	-9.90	≤8.00	PASS
	Ant9	2422	-13.04	≤8.00	PASS
	Ant10	2422	-14.96	≤8.00	PASS
	total	2422	-10.88	≤8.00	PASS
	Ant9	2437	-11.37	≤8.00	PASS
	Ant10	2437	-12.55	≤8.00	PASS
	total	2437	-8.91	≤8.00	PASS
	Ant9	2452	-15.94	≤8.00	PASS
	Ant10	2452	-17.33	≤8.00	PASS
	total	2452	-13.57	≤8.00	PASS



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Test Result Peak for AX Part RU

TestMode	Antenna	Frequency[MHz]	RuSize	RuIndex	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11ax20MIMO	Ant9	2412	26Tone	RU0	-8.10	≤8.00	PASS
			52Tone	RU37	-8.84	≤8.00	PASS
			106Tone	RU53	-11.73	≤8.00	PASS
	Ant10	2412	26Tone	RU0	-10.54	≤8.00	PASS
			52Tone	RU37	-9.85	≤8.00	PASS
			106Tone	RU53	-12.46	≤8.00	PASS
	total	2412	26Tone	RU0	-6.14	≤8.00	PASS
			52Tone	RU37	-6.31	≤8.00	PASS
			106Tone	RU53	-9.07	≤8.00	PASS
	Ant9	2437	26Tone	RU4	-7.82	≤8.00	PASS
			52Tone	RU38	-7.60	≤8.00	PASS
			106Tone	RU53	-11.11	≤8.00	PASS
	Ant10	2437	26Tone	RU4	-9.40	≤8.00	PASS
			52Tone	RU38	-8.33	≤8.00	PASS
			106Tone	RU53	-12.46	≤8.00	PASS
	total	2437	26Tone	RU4	-5.53	≤8.00	PASS
			52Tone	RU38	-4.94	≤8.00	PASS
			106Tone	RU53	-8.72	≤8.00	PASS
	Ant9	2462	26Tone	RU8	-5.52	≤8.00	PASS
			52Tone	RU40	-6.35	≤8.00	PASS
			106Tone	RU54	-9.34	≤8.00	PASS
	Ant10	2462	26Tone	RU8	-8.37	≤8.00	PASS
			52Tone	RU40	-9.49	≤8.00	PASS
			106Tone	RU54	-11.11	≤8.00	PASS
total	2462	26Tone	RU8	-3.70	≤8.00	PASS	
		52Tone	RU40	-4.63	≤8.00	PASS	
		106Tone	RU54	-7.13	≤8.00	PASS	
11ax40MIMO	Ant9	2422	242Tone	RU61	-15.82	≤8.00	PASS
	Ant10	2422	242Tone	RU61	-15.65	≤8.00	PASS
	total	2422	242Tone	RU61	-12.72	≤8.00	PASS
	Ant9	2437	242Tone	RU61	-14.66	≤8.00	PASS
	Ant10	2437	242Tone	RU61	-16.02	≤8.00	PASS
	total	2437	242Tone	RU61	-12.28	≤8.00	PASS
	Ant9	2452	242Tone	RU62	-14.96	≤8.00	PASS
	Ant10	2452	242Tone	RU62	-15.30	≤8.00	PASS
total	2452	242Tone	RU62	-12.12	≤8.00	PASS	



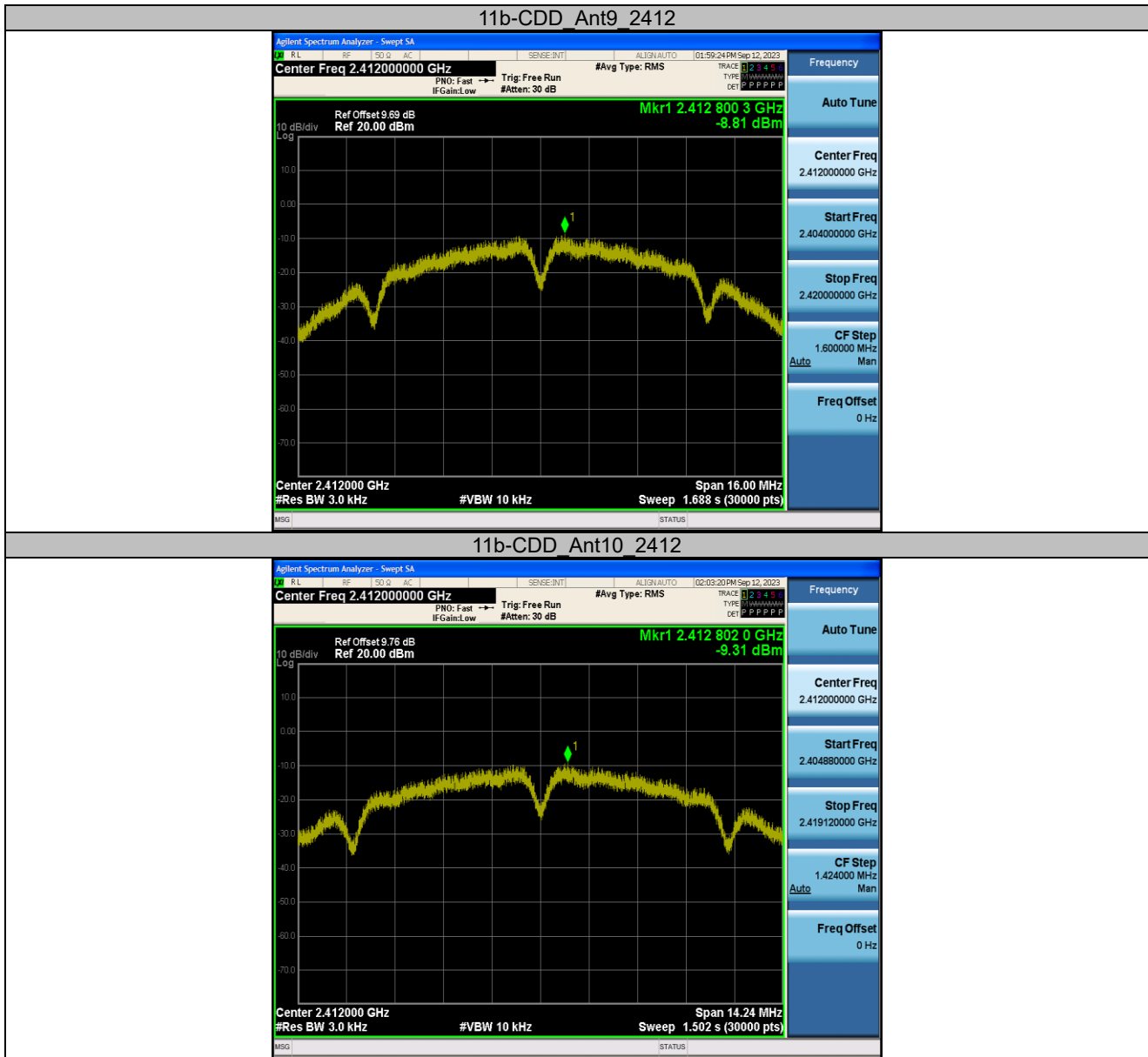
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Test Graphs



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