

RF Test Data for 2.4G Wi-Fi (Conducted Measurements)

General Description of EUT	
EUT Name:	Window Camera
Model:	SF-BC1WD
Sample ID:	HC-C-202605-0052-01-01
Test Standard:	FCC Part 15.247&RSS 247 Issue 4
Environmental Conditions	
Ambient Temperature:	23.4℃
Ambient Humidity:	48.6%RH
Test Power Supply:	DC 5V
Test Engineer:	Lily ZHANG
Note: For a more detailed features description, please refer to the report TBR-C-202605-0052-11	

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1: DTS Bandwidth

1.1 Test Result

TestMode	Ant.	Frequency [MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.120	2407.480	2416.600	0.5	PASS
11B	Ant1	2437	9.160	2432.480	2441.640	0.5	PASS
11B	Ant1	2462	9.160	2457.480	2466.640	0.5	PASS
11G	Ant1	2412	16.160	2403.960	2420.120	0.5	PASS
11G	Ant1	2437	16.400	2428.840	2445.240	0.5	PASS
11G	Ant1	2462	16.360	2453.880	2470.240	0.5	PASS
11N20SISO	Ant1	2412	17.600	2403.240	2420.840	0.5	PASS
11N20SISO	Ant1	2437	17.520	2428.320	2445.840	0.5	PASS
11N20SISO	Ant1	2462	17.600	2453.280	2470.880	0.5	PASS
11N40SISO	Ant1	2422	35.440	2404.080	2439.520	0.5	PASS
11N40SISO	Ant1	2437	35.840	2419.080	2454.920	0.5	PASS
11N40SISO	Ant1	2452	36.000	2434.000	2470.000	0.5	PASS
11AX20SISO	Ant1	2412	18.840	2402.560	2421.400	0.5	PASS
11AX20SISO	Ant1	2437	18.960	2427.560	2446.520	0.5	PASS
11AX20SISO	Ant1	2462	18.920	2452.560	2471.480	0.5	PASS
11AX40SISO	Ant1	2422	36.560	2403.200	2439.760	0.5	PASS
11AX40SISO	Ant1	2437	37.280	2418.360	2455.640	0.5	PASS
11AX40SISO	Ant1	2452	37.600	2433.360	2470.960	0.5	PASS

1.2 Test Graphs



11B-Ant1-2412-PASS



11B-Ant1-2437-PASS



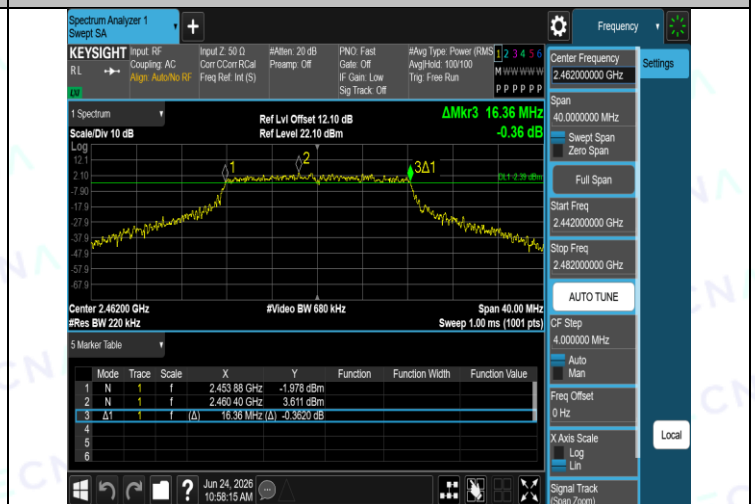
11B-Ant1-2462-PASS



11G-Ant1-2412-PASS



11G-Ant1-2437-PASS



11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



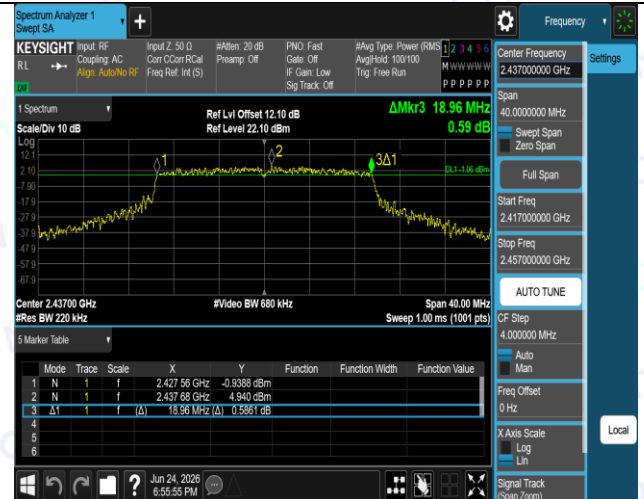
11N40SISO-Ant1-2437-PASS



11N40SISO-Ant1-2452-PASS



11AX20SISO-Ant1-2412-PASS



11AX20SISO-Ant1-2437-PASS



11AX20SISO-Ant1-2462-PASS



11AX40SISO-Ant1-2422-PASS



11AX40SISO-Ant1-2437-PASS



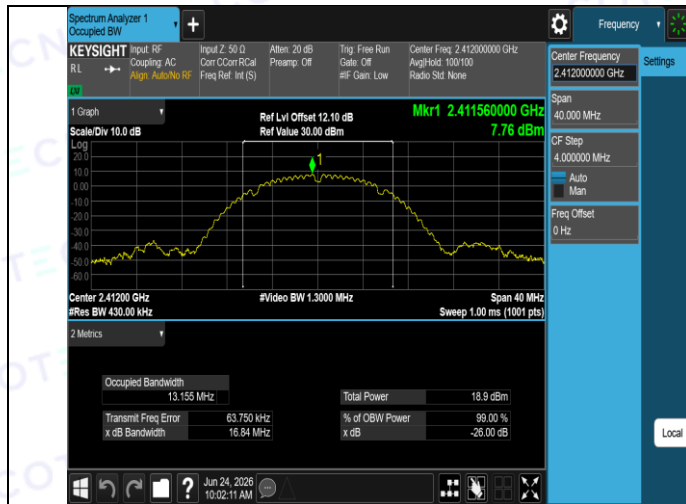
11AX40SISO-Ant1-2452-PASS

2: Occupied Channel Bandwidth

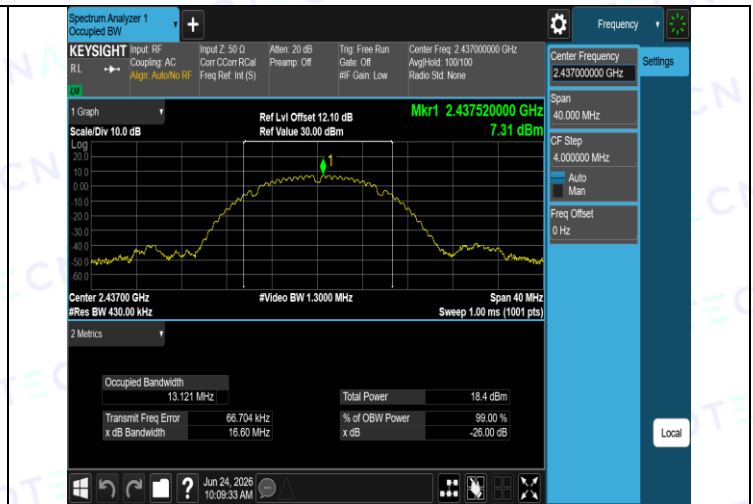
2.1 Test Result

TestMode	Ant.	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.155	2405.4863	2418.6413	---	---
11B	Ant1	2437	13.121	2430.5062	2443.6272	---	---
11B	Ant1	2462	13.127	2455.5102	2468.6372	---	---
11G	Ant1	2412	16.956	2403.4563	2420.4123	---	---
11G	Ant1	2437	16.737	2428.7503	2445.4873	---	---
11G	Ant1	2462	17.038	2453.5289	2470.5669	---	---
11N20SISO	Ant1	2412	18.220	2402.9154	2421.1354	---	---
11N20SISO	Ant1	2437	18.325	2427.8883	2446.2133	---	---
11N20SISO	Ant1	2462	18.475	2452.7560	2471.2310	---	---
11N40SISO	Ant1	2422	36.761	2403.6054	2440.3664	---	---
11N40SISO	Ant1	2437	36.528	2418.8244	2455.3524	---	---
11N40SISO	Ant1	2452	36.527	2433.7514	2470.2784	---	---
11AX20SISO	Ant1	2412	19.193	2402.4560	2421.6490	---	---
11AX20SISO	Ant1	2437	19.084	2427.4928	2446.5768	---	---
11AX20SISO	Ant1	2462	19.046	2452.5273	2471.5733	---	---
11AX40SISO	Ant1	2422	37.784	2403.1998	2440.9838	---	---
11AX40SISO	Ant1	2437	37.863	2418.0731	2455.9361	---	---
11AX40SISO	Ant1	2452	37.904	2433.0854	2470.9894	---	---

2.2 Test Graphs



11B-Ant1-2412



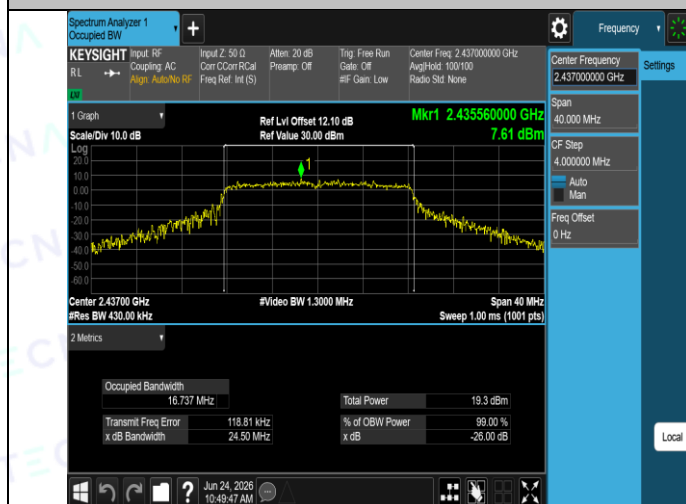
11B-Ant1-2437



11B-Ant1-2462



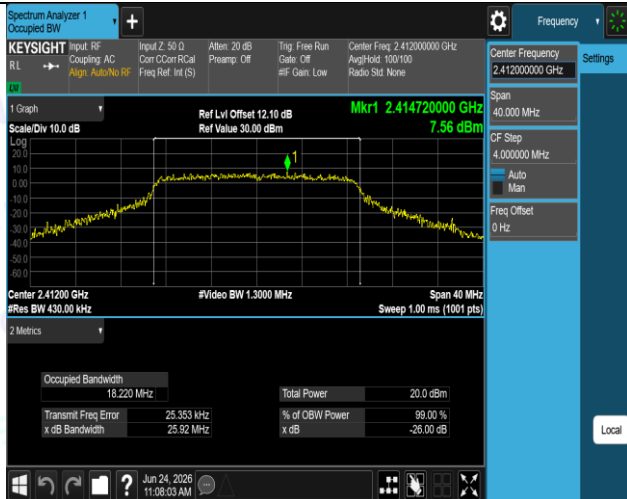
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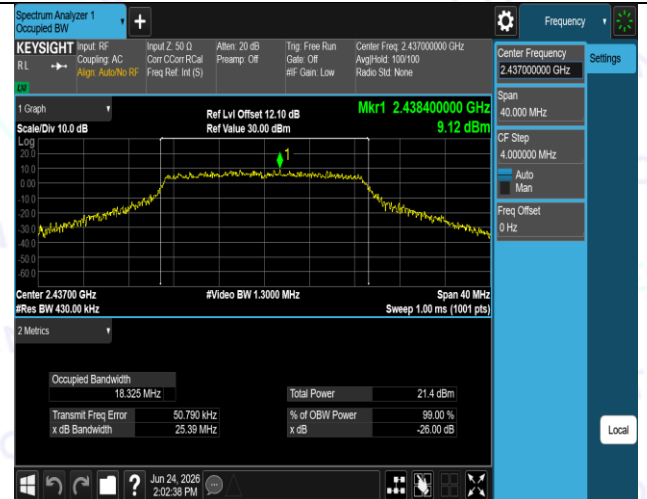
11G-Ant1-2437



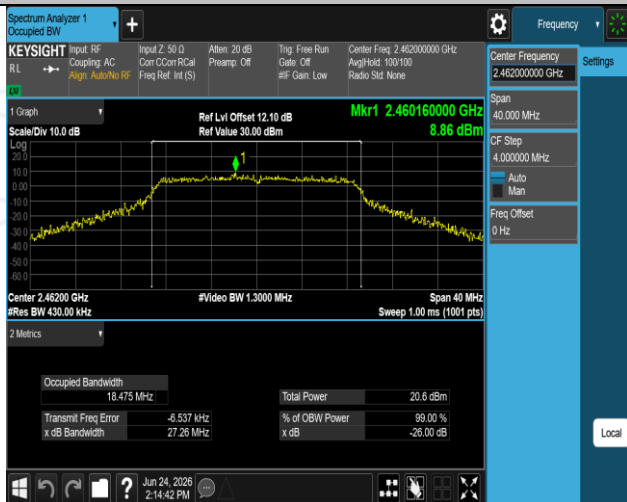
11G-Ant1-2462



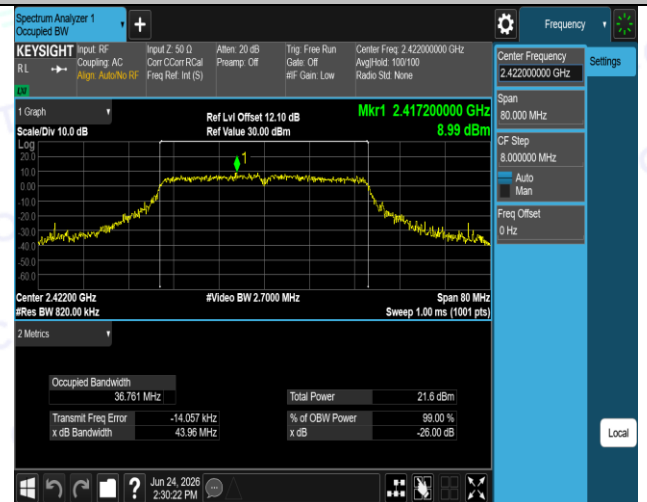
11N20SISO-Ant1-2412



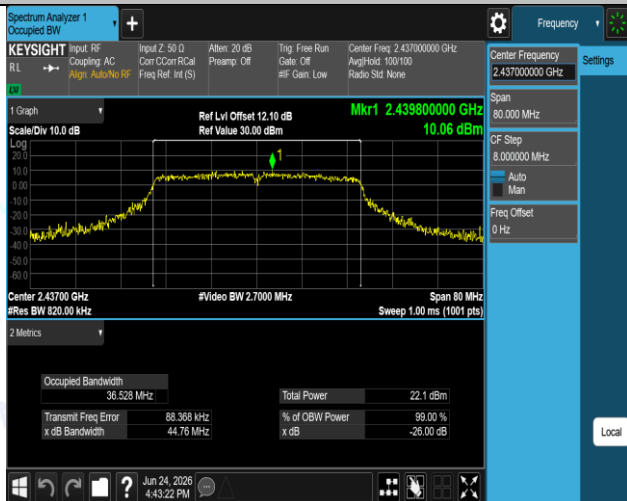
11N20SISO-Ant1-2437



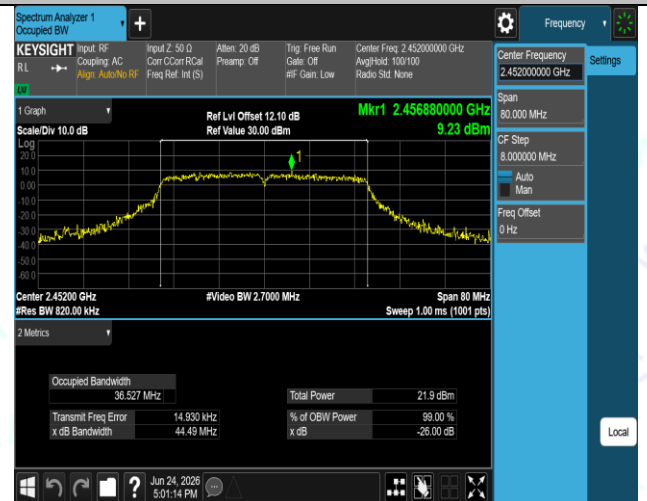
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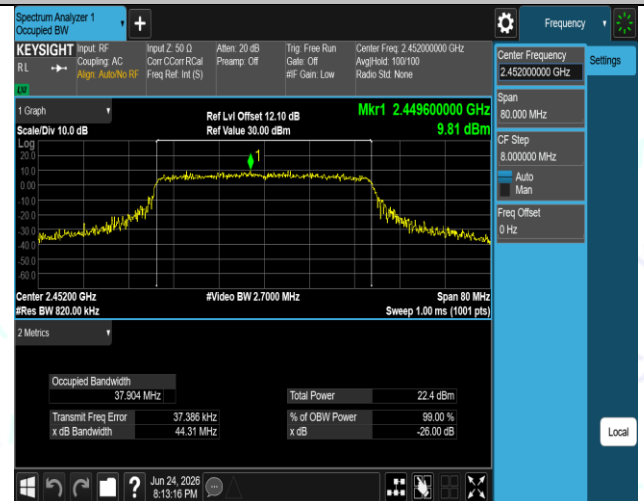
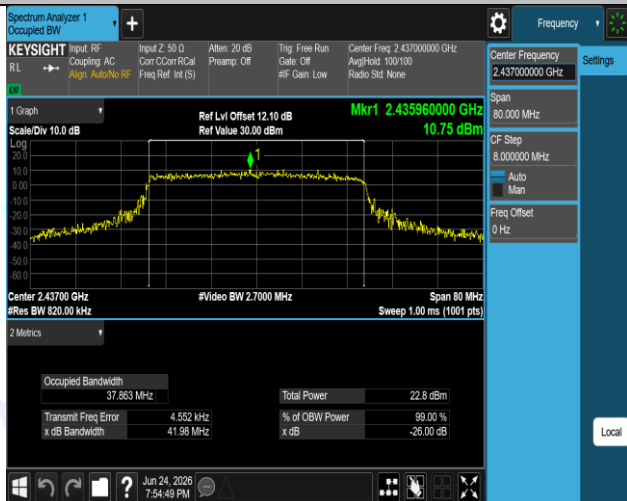
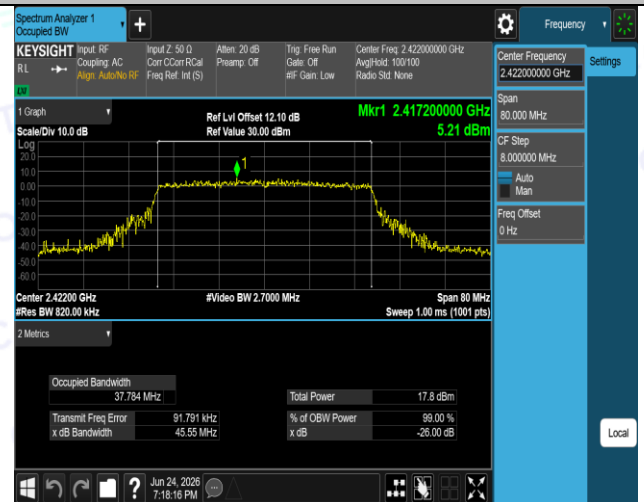
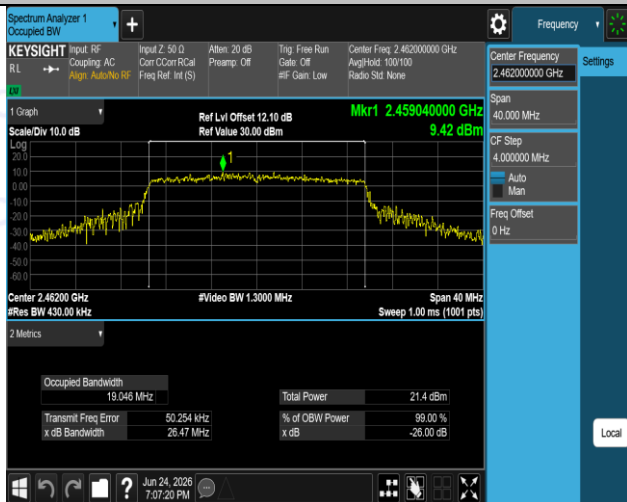
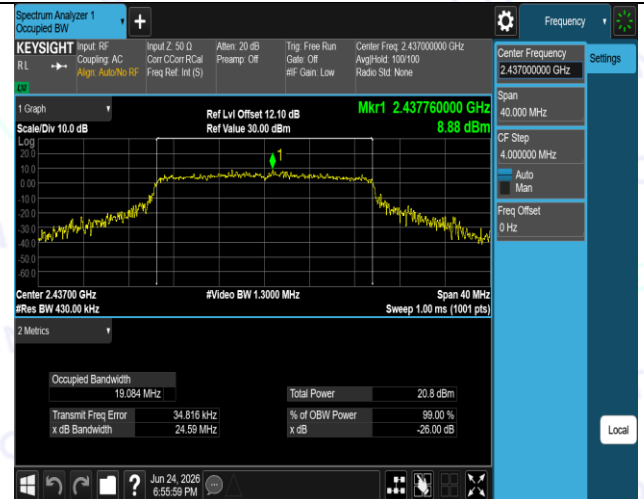
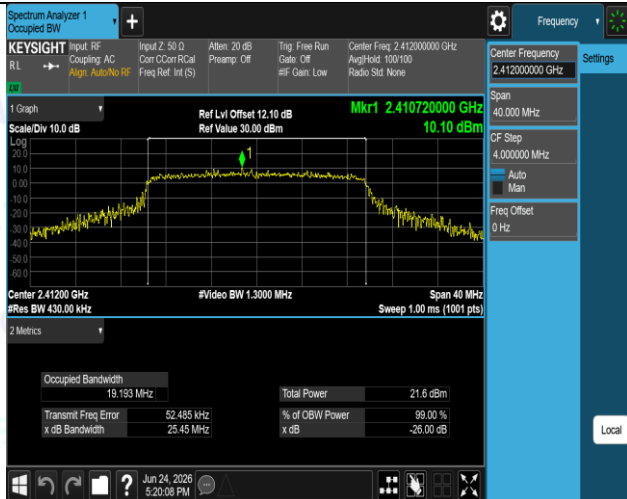
11N40SISO-Ant1-2422



11N40SISO-Ant1-2437



11N40SISO-Ant1-2452



11AX40SISO-Ant1-2437

11AX40SISO-Ant1-2452

3: Maximum conducted output power&EIRP

3.1 Test Result Average

Test Mode	Frequency [MHz]	Raw Power [dBm]	DC Factor	Result [dBm]	Limit [dBm]	Gain [dBm]	EIRP [dBm]	EIRP Limit[dBm]	Verdict
11B	2412	12.28	3.42	15.70	≤30.00	2.65	18.35	≤36	PASS
11B	2437	11.72	3.42	15.14	≤30.00	2.65	17.79	≤36	PASS
11B	2462	11.27	3.49	14.76	≤30.00	2.65	17.41	≤36	PASS
11G	2412	6.05	9.13	15.18	≤30.00	2.65	17.83	≤36	PASS
11G	2437	6.03	9.13	15.16	≤30.00	2.65	17.81	≤36	PASS
11G	2462	5.71	9.13	14.84	≤30.00	2.65	17.49	≤36	PASS
11N20SISO	2412	4.28	5.52	9.80	≤30.00	2.65	12.45	≤36	PASS
11N20SISO	2437	10.73	5.06	15.79	≤30.00	2.65	18.44	≤36	PASS
11N20SISO	2462	10.76	5.06	15.82	≤30.00	2.65	18.47	≤36	PASS
11N40SISO	2422	7.29	5.16	12.45	≤30.00	2.65	15.10	≤36	PASS
11N40SISO	2437	10.72	5.16	15.88	≤30.00	2.65	18.53	≤36	PASS
11N40SISO	2452	10.28	5.16	15.44	≤30.00	2.65	18.09	≤36	PASS
11AX20SISO	2412	5.92	5.79	11.71	≤30.00	2.65	14.36	≤36	PASS
11AX20SISO	2437	8.94	5.38	14.32	≤30.00	2.65	16.97	≤36	PASS
11AX20SISO	2462	9.67	5.38	15.05	≤30.00	2.65	17.7	≤36	PASS
11AX40SISO	2422	9.56	5.38	14.94	≤30.00	2.65	17.59	≤36	PASS
11AX40SISO	2437	10.06	5.38	15.44	≤30.00	2.65	18.09	≤36	PASS
11AX40SISO	2452	10.43	5.38	15.81	≤30.00	2.65	18.46	≤36	PASS