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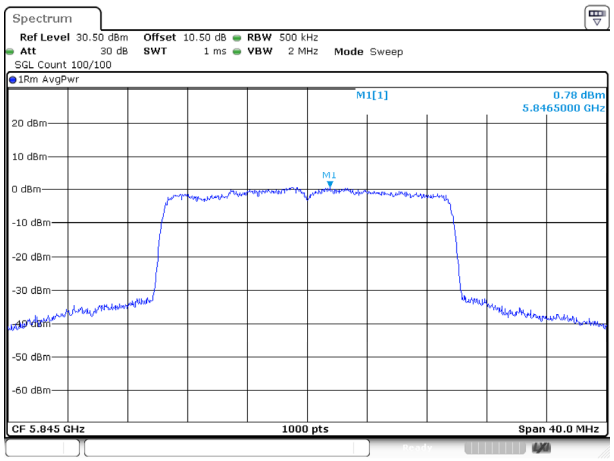
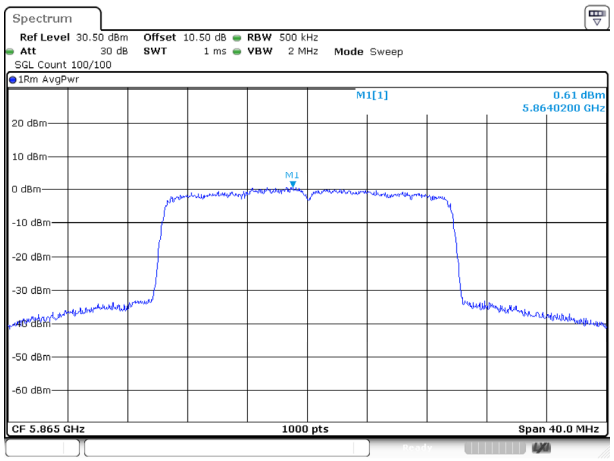


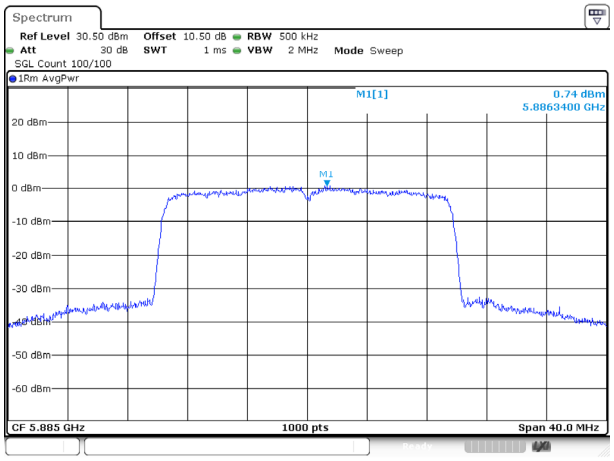
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 12.MAY.2026 14:34:18

802.11ax20_5865MHz_RU_Full_Chain 0



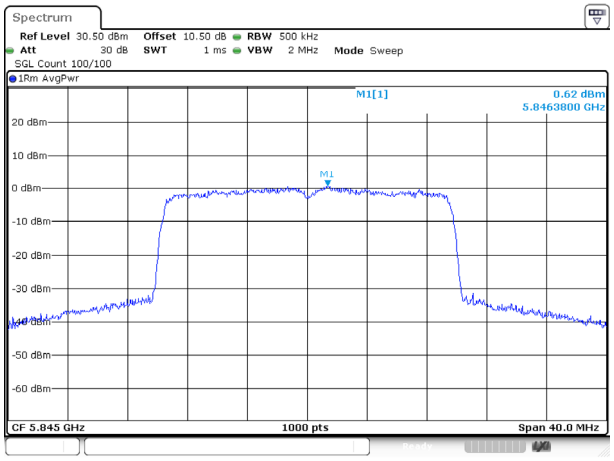
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 12.MAY.2026 14:35:16

802.11ax20_5885MHz_RU_Full_Chain 0



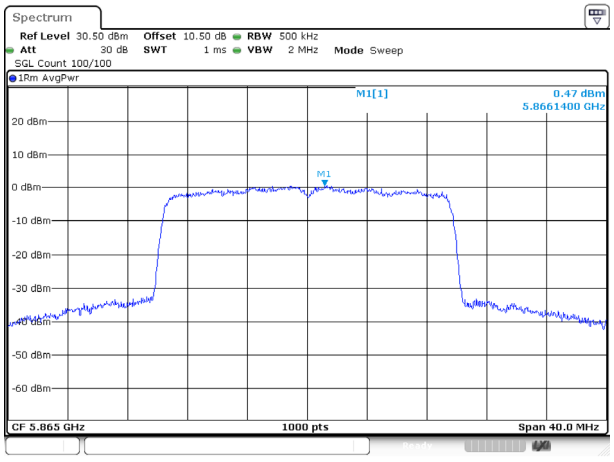
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 12.MAY.2026 14:36:05

802.11ax20_5845MHz_RU_Full_Chain 1



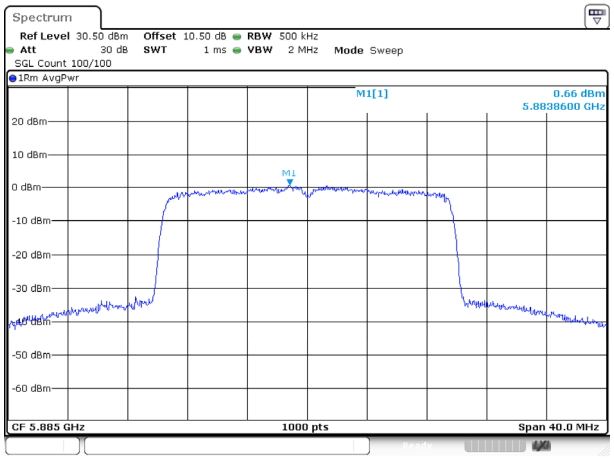
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 12.MAY.2026 14:34:33

802.11ax20_5865MHz_RU_Full_Chain 1



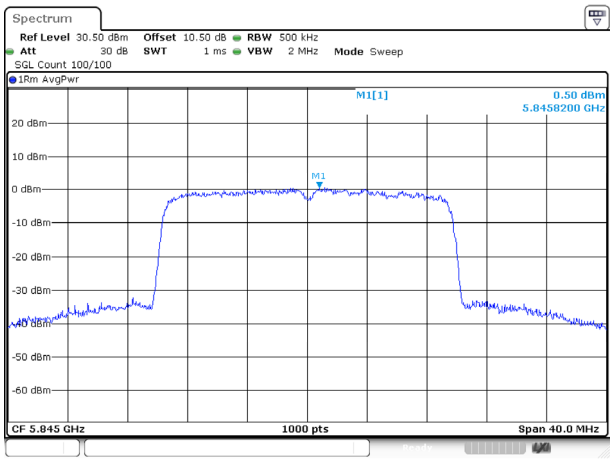
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 12.MAY.2026 14:35:28

802.11ax20_5885MHz_RU_Full_Chain 1



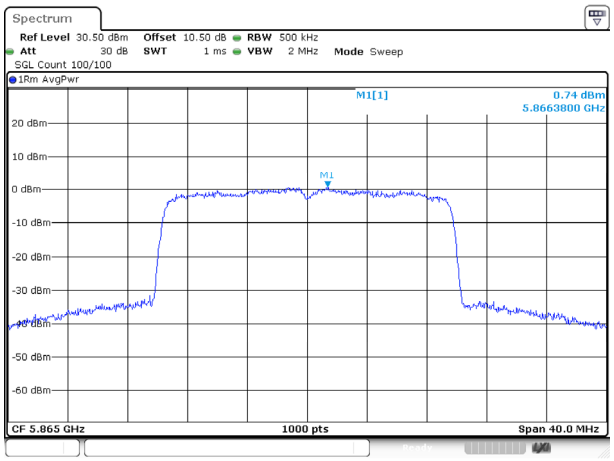
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 12.MAY.2026 14:38:31

802.11ax20_5845MHz_RU_Full_Chain 2



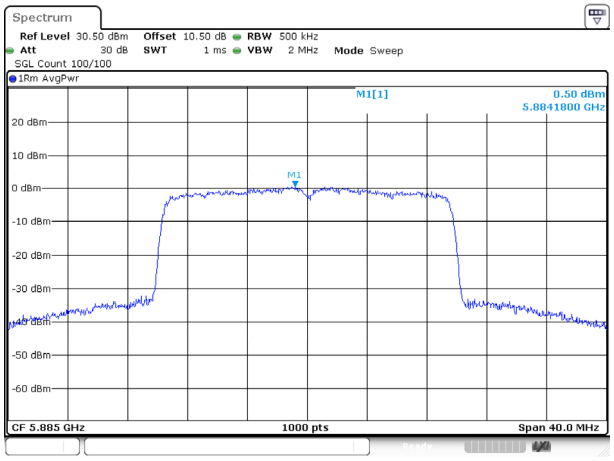
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 12.MAY.2026 14:34:45

802.11ax20_5865MHz_RU_Full_Chain 2



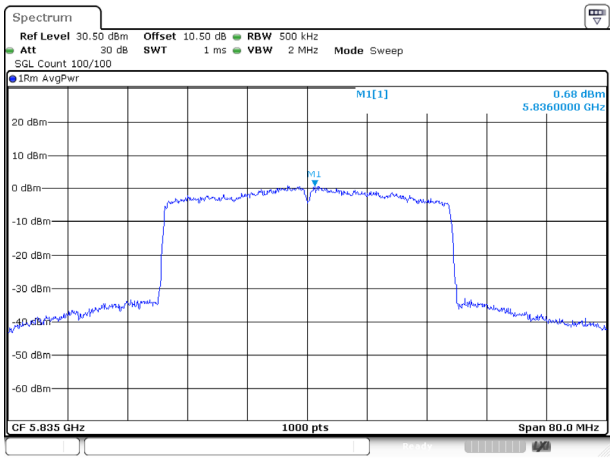
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 12.MAY.2026 14:35:40

802.11ax20_5885MHz_RU_Full_Chain 2



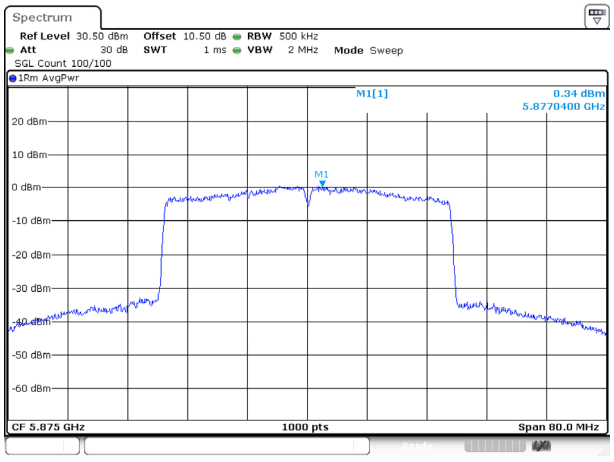
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 12.MAY.2026 14:36:43

802.11ax40_5835MHz_RU_Full_Chain 0



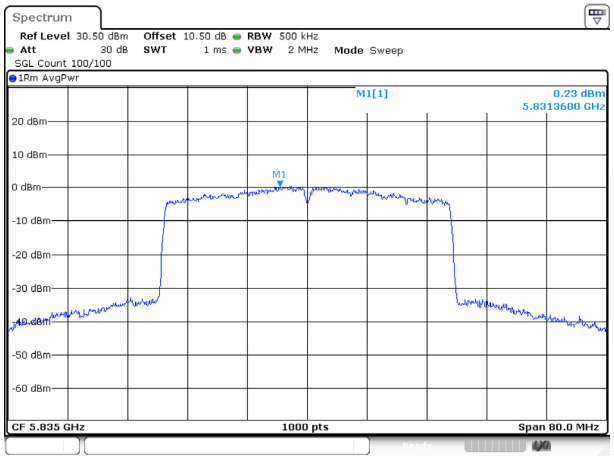
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 12.MAY.2026 14:45:37

802.11ax40_5875MHz_RU_Full_Chain 0



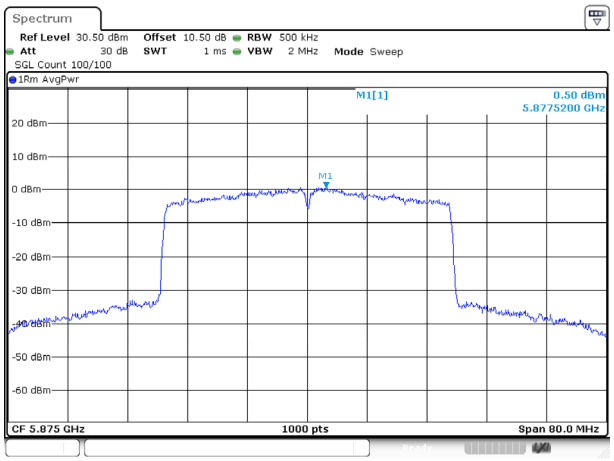
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 12.MAY.2026 14:42:55

802.11ax40_5835MHz_RU_Full_Chain 1



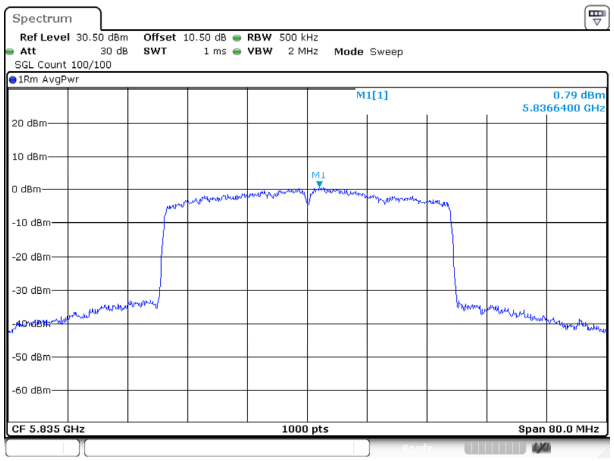
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 12.MAY.2026 14:41:19

802.11ax40_5875MHz_RU_Full_Chain 1



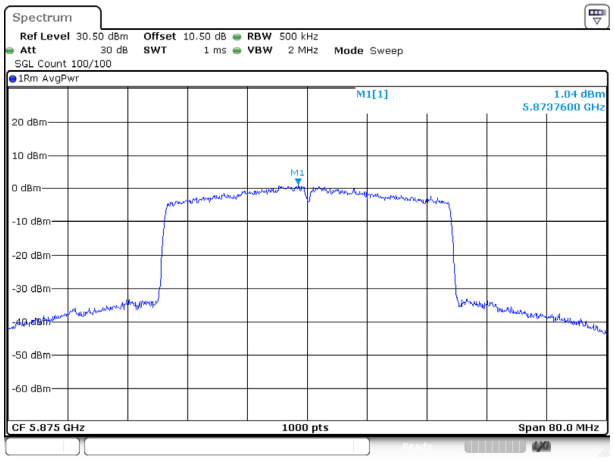
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 12.MAY.2026 14:43:15

802.11ax40_5835MHz_RU_Full_Chain 2



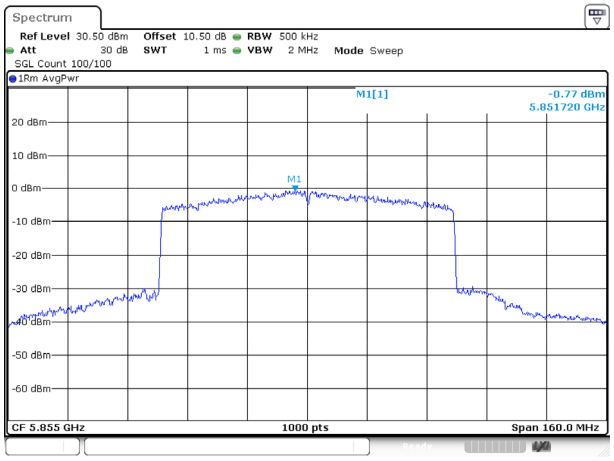
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 12.MAY.2026 14:41:31

802.11ax40_5875MHz_RU_Full_Chain 2



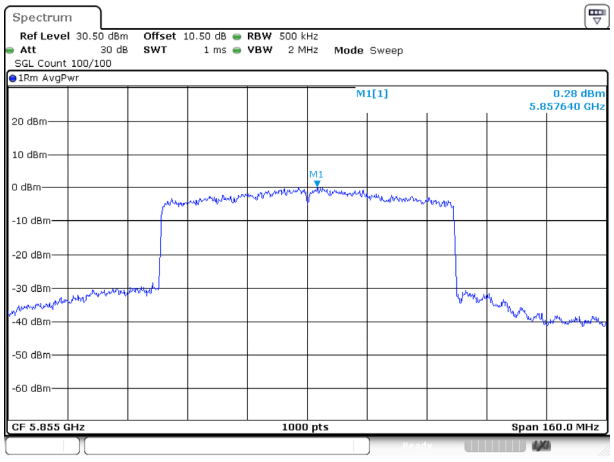
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 12.MAY.2026 14:43:44

802.11ax80_5855MHz_RU_Full_Chain 0



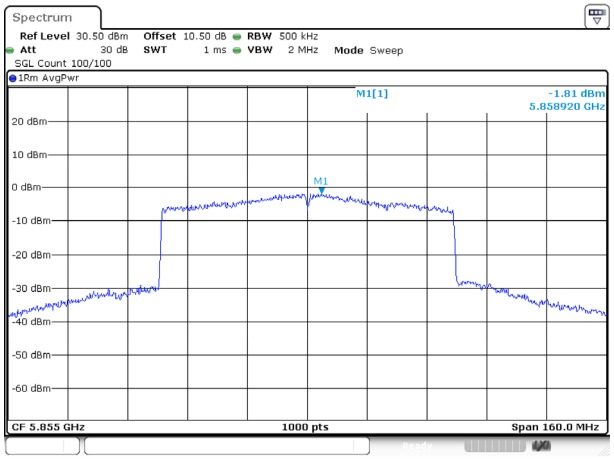
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 12.FEB.2026 02:27:28

802.11ax80_5855MHz_RU_Full_Chain 1



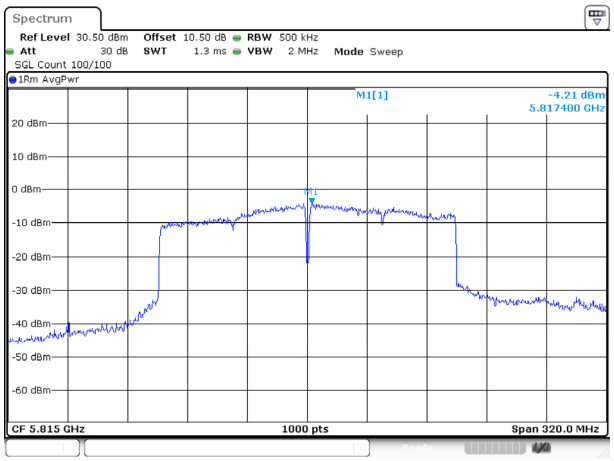
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 12.FEB.2026 02:36:16

802.11ax80_5855MHz_RU_Full_Chain 2



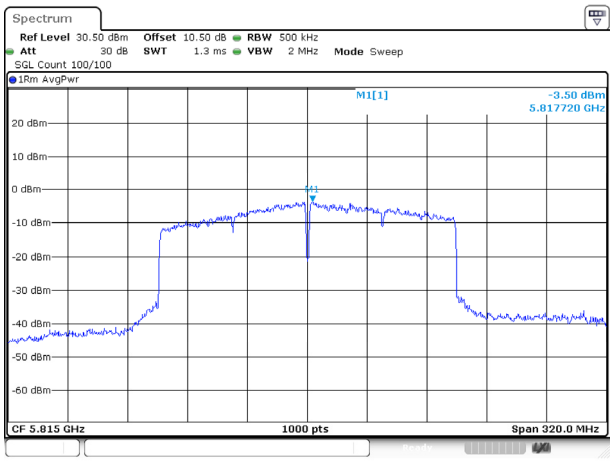
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 12.FEB.2026 02:44:36

802.11ax160_5815MHz_RU_FULL_Chain 0



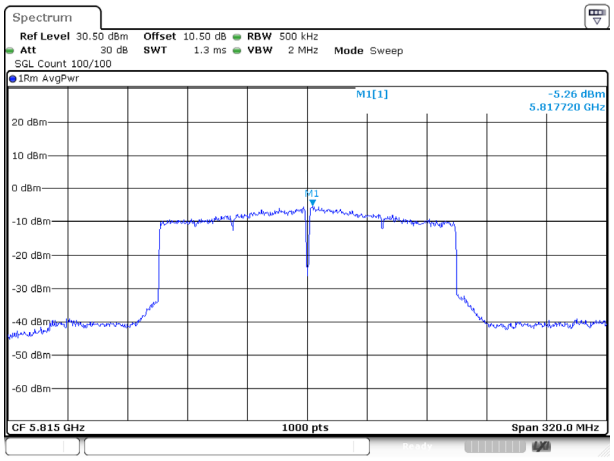
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 12.FEB.2026 02:49:29

802.11ax160_5815MHz_RU_FULL_Chain 1



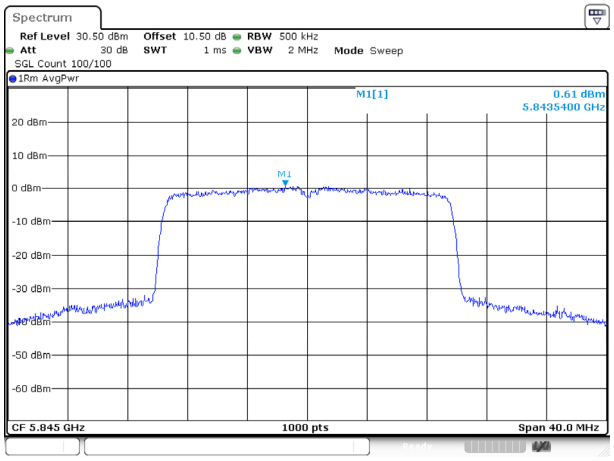
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 12.FEB.2026 02:47:58

802.11ax160_5815MHz_RU_FULL_Chain 2



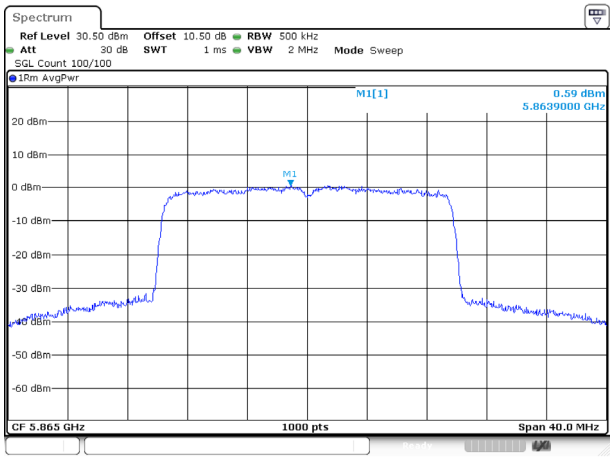
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 12.FEB.2026 02:46:25

802.11be20_5845MHz_RU_Full_Chain 0



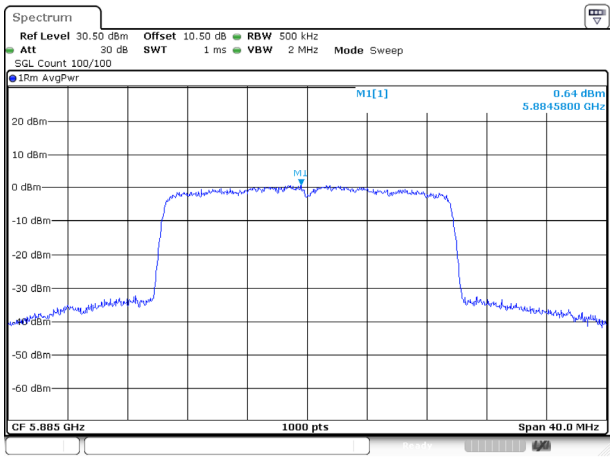
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 12.MAY.2026 14:49:49

802.11be20_5865MHz_RU_Full_Chain 0



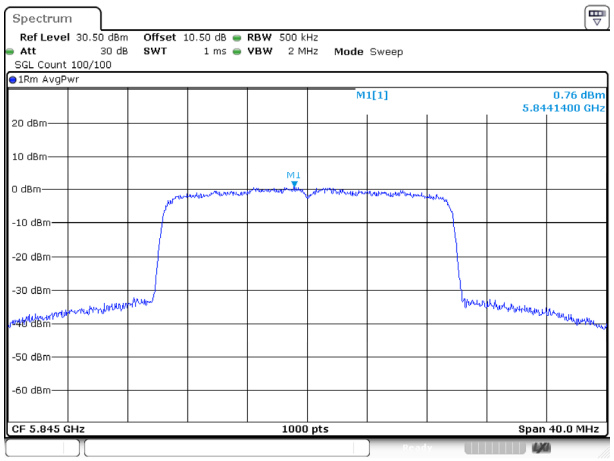
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 12.MAY.2026 14:53:29

802.11be20_5885MHz_RU_Full_Chain 0



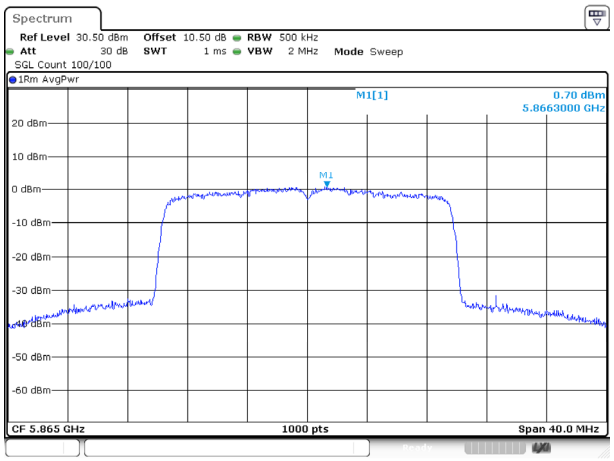
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 12.MAY.2026 14:56:26

802.11be20_5845MHz_RU_Full_Chain 1



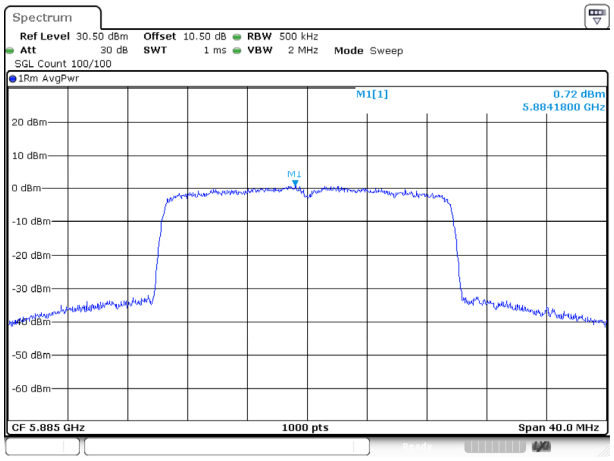
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 12.MAY.2026 14:48:29

802.11be20_5865MHz_RU_Full_Chain 1



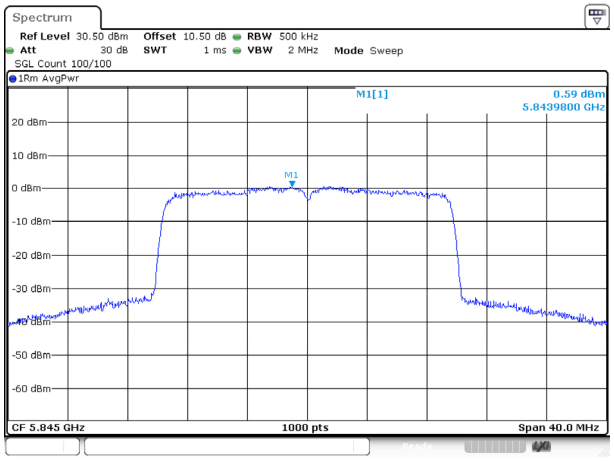
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 12.MAY.2026 14:52:14

802.11be20_5885MHz_RU_Full_Chain 1



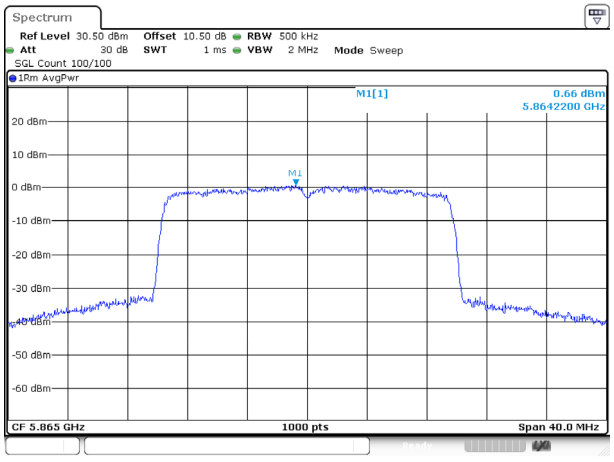
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 12.MAY.2026 14:56:36

802.11be20_5845MHz_RU_Full_Chain 2



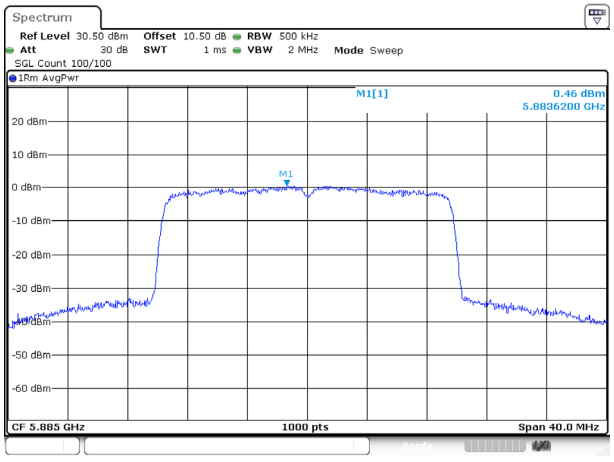
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 12.MAY.2026 14:50:29

802.11be20_5865MHz_RU_Full_Chain 2



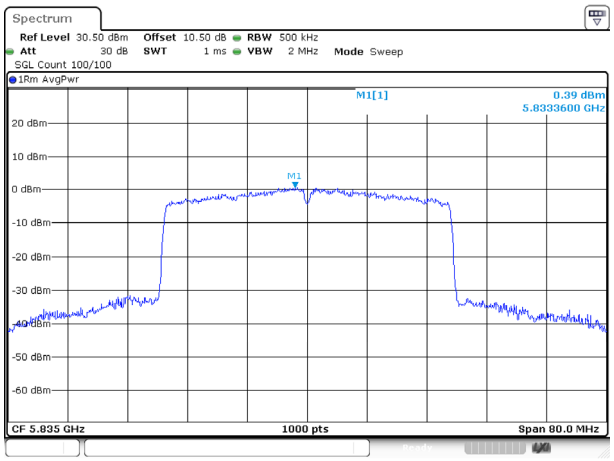
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 12.MAY.2026 14:52:24

802.11be20_5885MHz_RU_Full_Chain 2



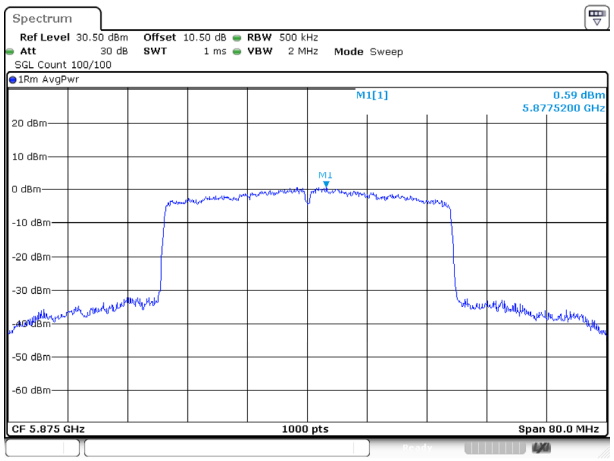
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 12.MAY.2026 14:58:27

802.11be40_5835MHz_RU_Full_Chain 0



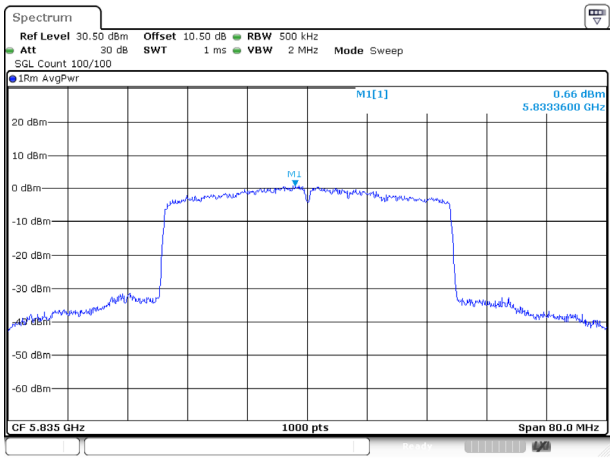
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 12.MAY.2026 15:00:25

802.11be40_5875MHz_RU_Full_Chain 0



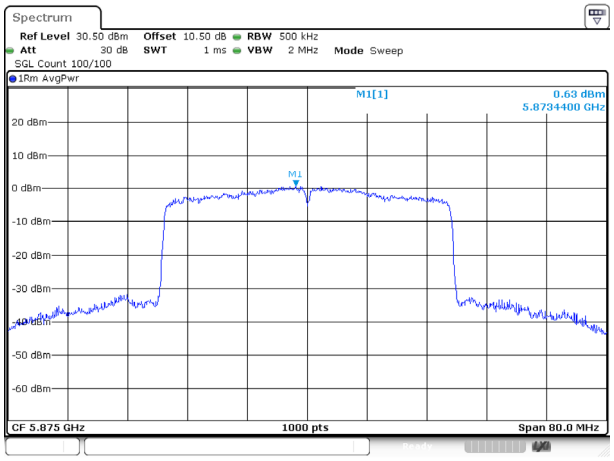
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 12.MAY.2026 15:01:11

802.11be40_5835MHz_RU_Full_Chain 1



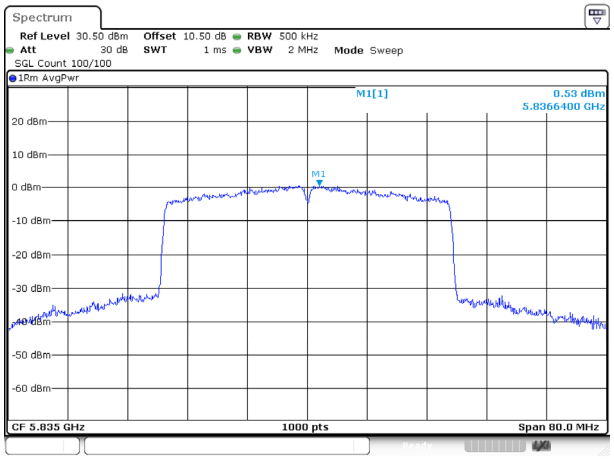
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 12.MAY.2026 15:00:35

802.11be40_5875MHz_RU_Full_Chain 1



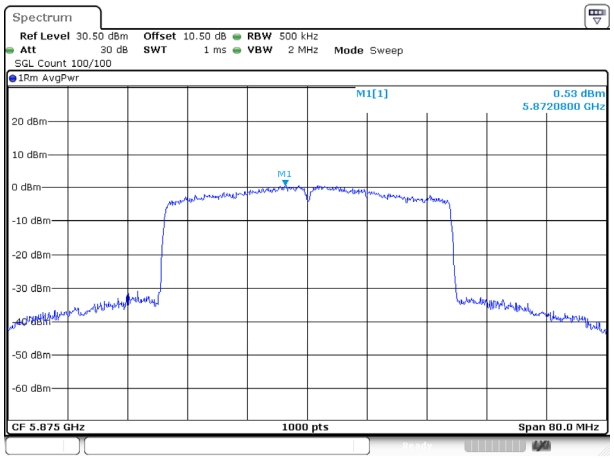
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 12.MAY.2026 15:01:56

802.11be40_5835MHz_RU_Full_Chain 2



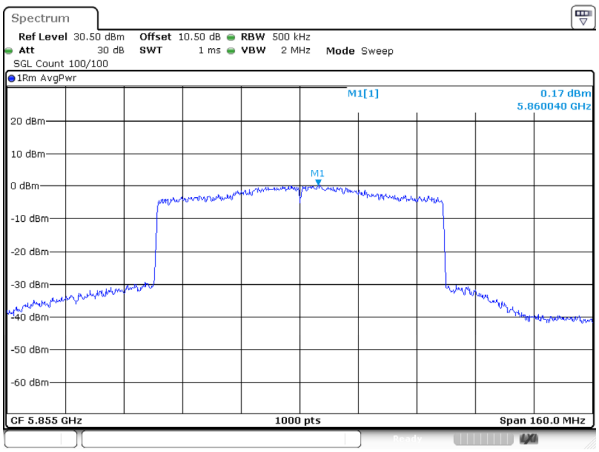
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 12.MAY.2026 15:00:45

802.11be40_5875MHz_RU_Full_Chain 2



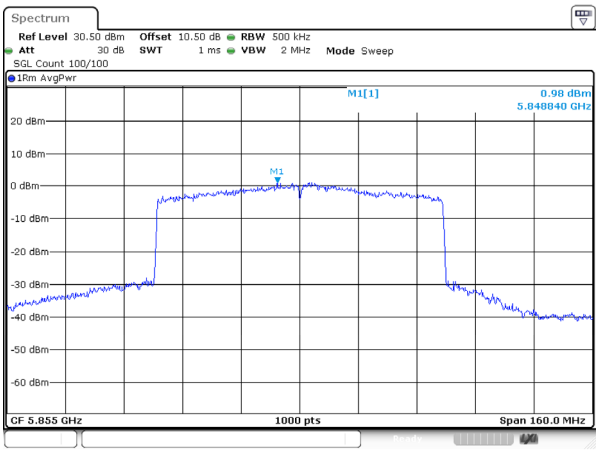
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 12.MAY.2026 15:02:10

802.11be80_5855MHz_RU_Full_Ant 0



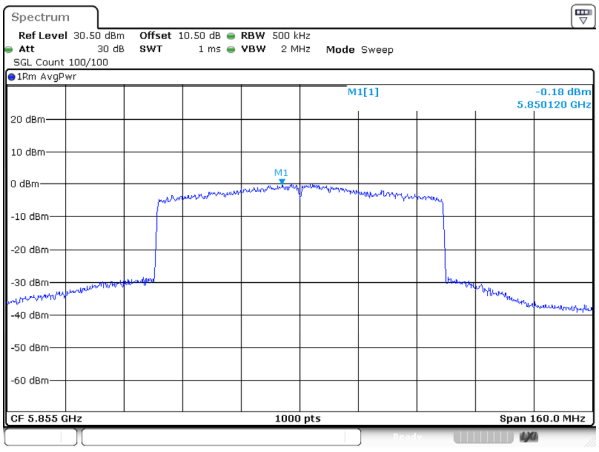
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 28.FEB.2026 23:11:26

802.11be80_5855MHz_RU_Full_Ant 1



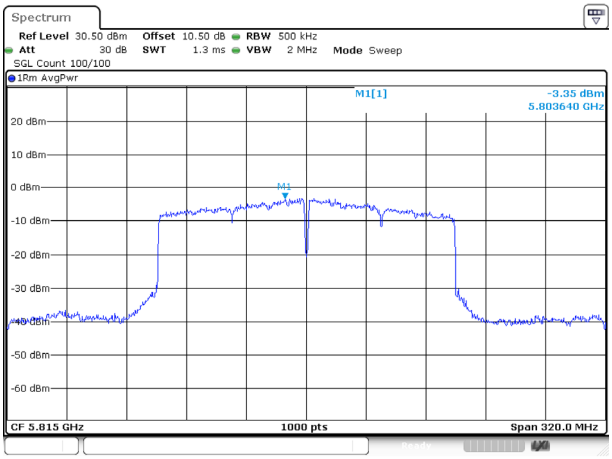
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 28.FEB.2026 22:52:40

802.11be80_5855MHz_RU_Full_Ant 2



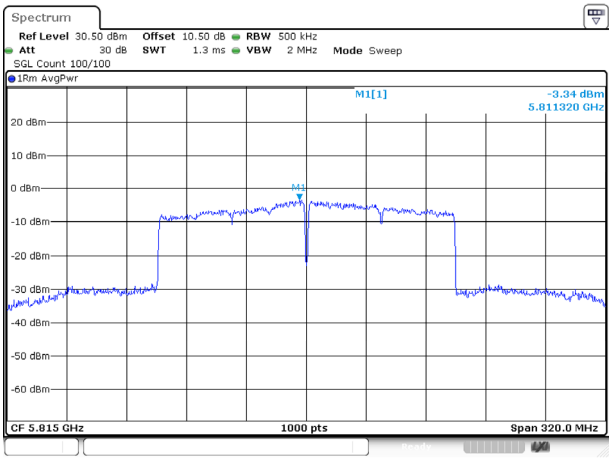
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 28.FEB.2026 22:32:32

802.11be160_5815MHz_RU_FULL_Ant 0



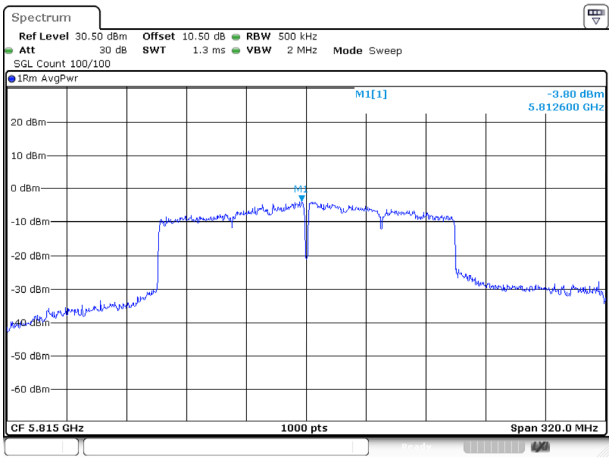
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 2.APR.2026 13:16:37

802.11be160_5815MHz_RU_FULL_Ant 1



ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 2.APR.2026 13:17:06

802.11be160_5815MHz_RU_FULL_Ant 2



ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 2.APR.2026 13:17:35

Duty cycle

Test Information:

Sample No.:	3GAV-5	Test Date:	2026/03/24
Test Site:	RF	Test Mode:	Transmitting
Tester:	Kungfumaster Liang	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	24.5	Relative Humidity: (%)	51	ATM Pressure: (kPa)	101.3

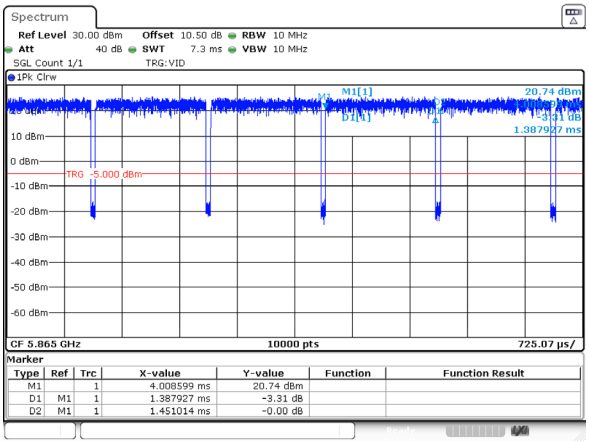
5.9G

Mode	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11a	5865	**1.388**	1.451	95.66	0.19	720	1
802.11ac20	5865	1.307	1.360	96.10	0.17	765	1
802.11ac40	5835	0.651	0.704	92.47	0.34	1536	2
802.11ac80	5855	0.324	0.377	85.94	0.66	3086	5
802.11ac160_RU_FULL	5815	0.184	0.237	77.64	1.10	5435	10
802.11ax20_RU_Full	5865	0.310	0.372	83.33	0.79	3226	5
802.11ax40_RU_Full	5835	0.310	0.363	85.40	0.69	3226	5
802.11ax80_RU_Full	5855	0.297	0.359	82.73	0.82	3367	5
802.11ax160_RU_FULL	5815	0.299	0.360	83.06	0.81	3344	5
802.11be20_RU_Full	5865	0.364	0.426	85.45	0.68	2747	3
802.11be40_RU_Full	5835	0.364	0.426	85.45	0.68	2747	3
802.11be80_RU_Full	5855	0.348	0.410	84.88	0.71	2874	3
802.11be160_RU_FULL	5815	0.352	0.414	85.02	0.70	2841	3

Duty Cycle = Ton/(Ton+Toff)*100%

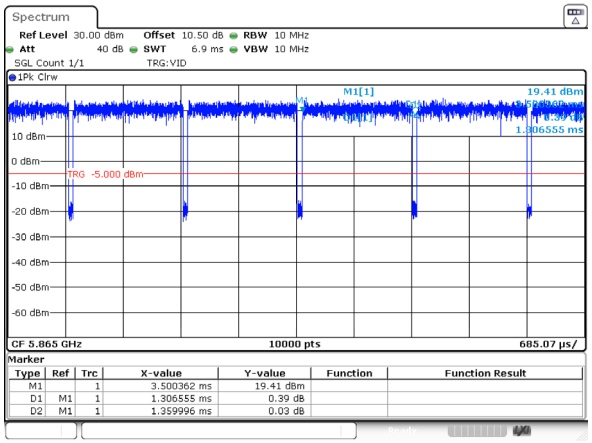
5.9G

802.11a_5865MHz



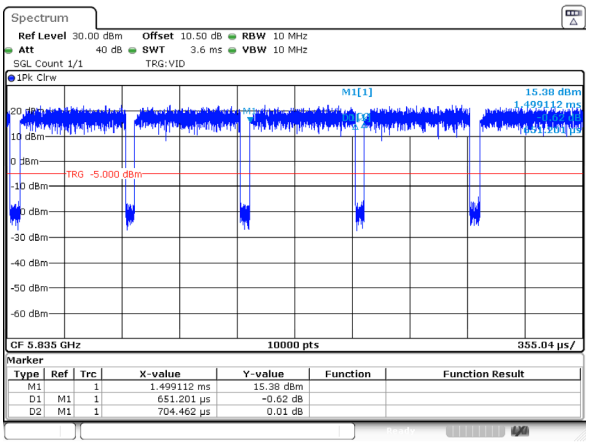
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 24.MAR.2026 02:00:26

802.11ac20_5865MHz



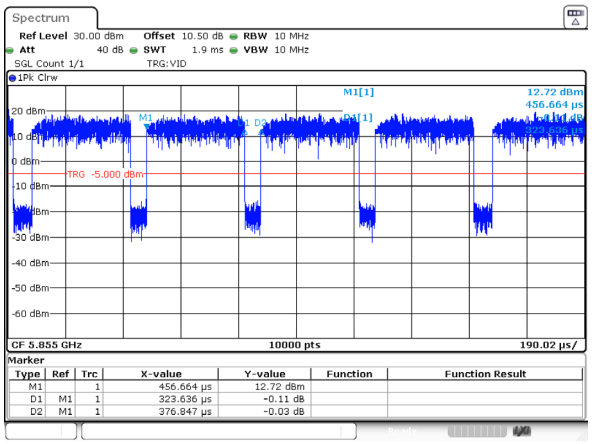
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 24.MAR.2026 02:01:29

802.11ac40_5835MHz



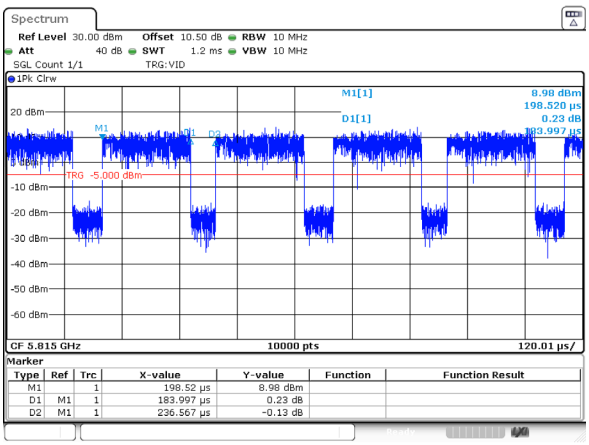
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 24.MAR.2026 02:02:15

802.11ac80_5855MHz



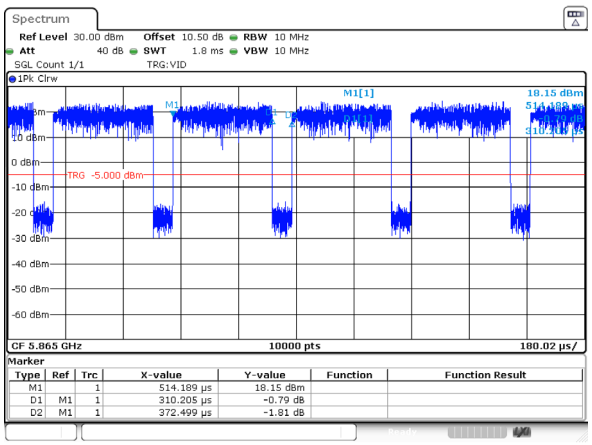
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 24.MAR.2026 02:03:32

802.11ac160_5815MHz_RU_FULL



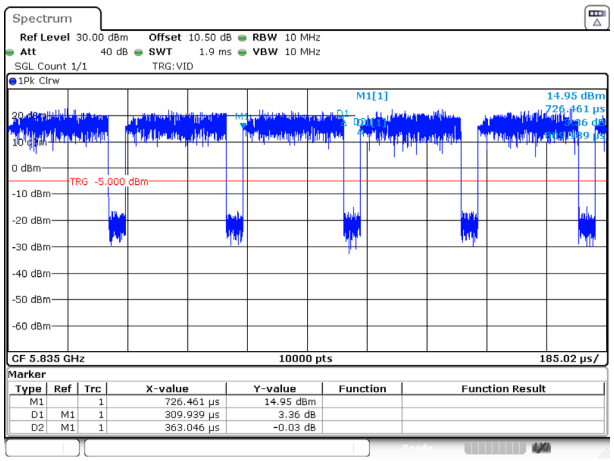
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 24.MAR.2026 02:05:00

802.11ax20_5865MHz_RU_Full



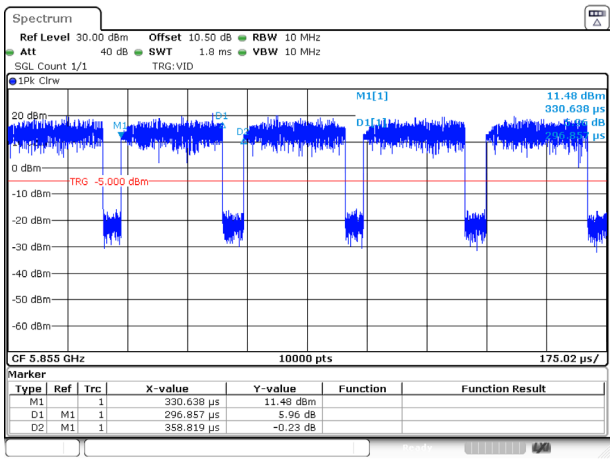
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 24.MAR.2026 02:10:34

802.11ax40_5835MHz_RU_Full



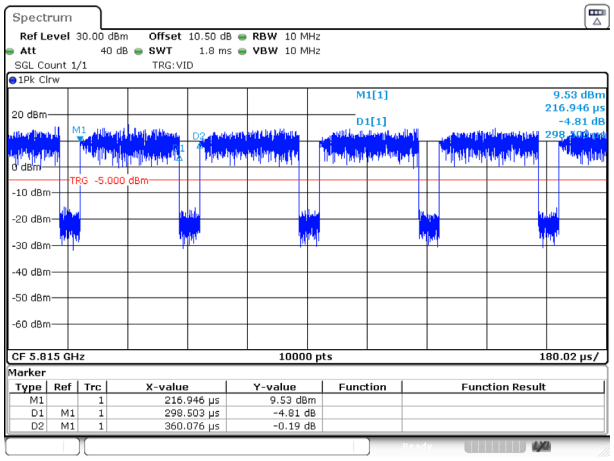
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 24.MAR.2026 02:11:16

802.11ax80_5855MHz_RU_Full



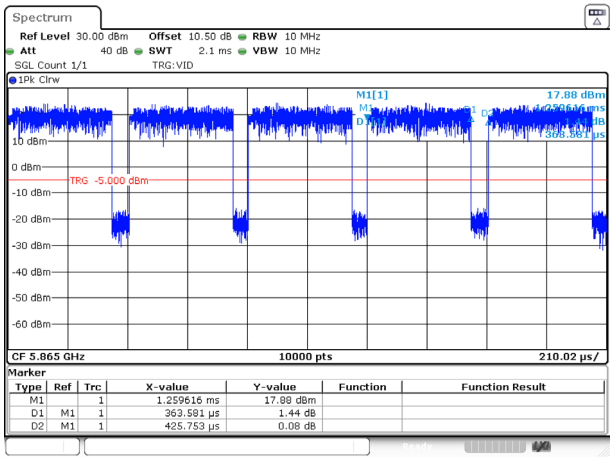
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 24.MAR.2026 02:12:34

802.11ax160_5815MHz_RU_FULL



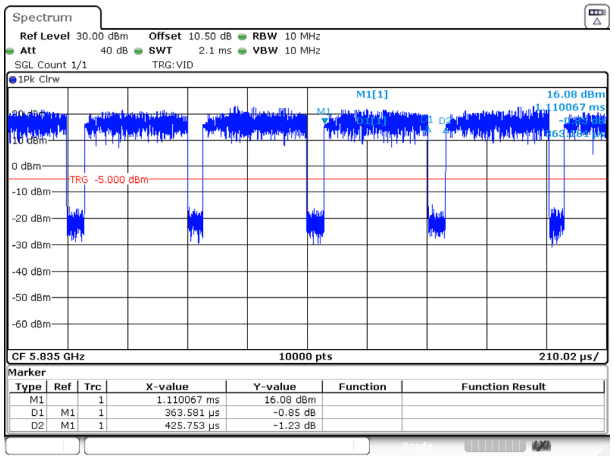
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 24.MAR.2026 02:13:58

802.11be20_5865MHz_RU_Full



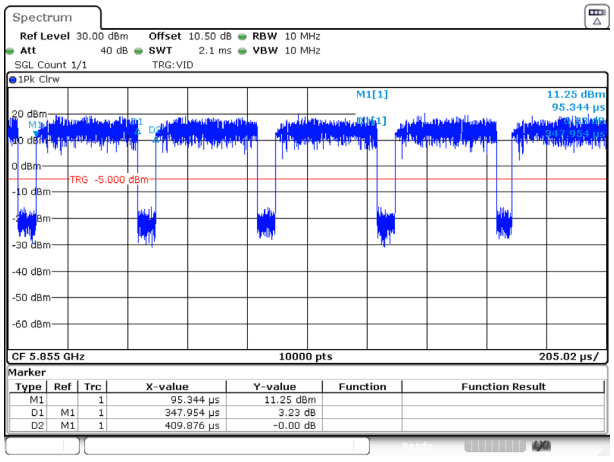
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 24.MAR.2026 02:15:51

802.11be40_5835MHz_RU_Full



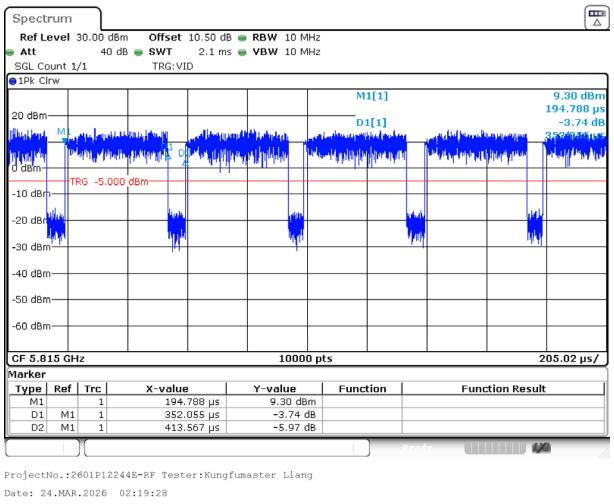
ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 24.MAR.2026 02:16:34

802.11be80_5855MHz_RU_Full



ProjectNo.:2601P12244E-RF Tester:Kungfumaster Liang
Date: 24.MAR.2026 02:17:54

802.11be160_5815MHz_RU_FULL



Frequency Stability

Test Information:

Sample No.:	3GAV-5	Test Date:	2026/03/24
Test Site:	RF	Test Mode:	Transmitting
Tester:	Kungfumaster Liang	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	24.5	Relative Humidity: (%)	51	ATM Pressure: (kPa)	101.3

BAND5:5850-5895MHz

Test Channel: Lowest for Lower Edge,Highest for Upper Edge						
Test mode	Temperature (℃)	Voltage (V_{AC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
802.11a	-20	138	5836.131	5725.0000	5893.791	5895.0000
	20	138	5836.238	5725.0000	5893.874	5895.0000
	50	138	5836.744	5725.0000	5893.894	5895.0000
	-20	120	5836.380	5725.0000	5893.833	5895.0000
	20	120	5836.179	5725.0000	5893.841	5895.0000
	50	120	5836.252	5725.0000	5893.582	5895.0000
	-20	102	5836.760	5725.0000	5893.719	5895.0000
	20	102	5836.391	5725.0000	5893.809	5895.0000
	50	102	5836.174	5725.0000	5893.884	5895.0000

Test Channel: Lowest for Lower Edge,Highest for Upper Edge						
Test mode	Temperature (℃)	Voltage (V_{AC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
802.11ac20	-20	138	5836.208	5725.0000	5893.813	5895.0000
	20	138	5836.333	5725.0000	5893.941	5895.0000
	50	138	5836.766	5725.0000	5893.943	5895.0000
	-20	120	5836.415	5725.0000	5893.914	5895.0000
	20	120	5836.241	5725.0000	5893.845	5895.0000
	50	120	5836.321	5725.0000	5893.657	5895.0000
	-20	102	5836.805	5725.0000	5893.784	5895.0000
	20	102	5836.476	5725.0000	5893.857	5895.0000
	50	102	5836.245	5725.0000	5893.903	5895.0000

Test Channel: Lowest for Lower Edge,Highest for Upper Edge						
Test mode	Temperature (℃)	Voltage (V_{AC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
802.11ac40	-20	138	5816.865	5725.0000	5893.356	5895.0000
	20	138	5816.987	5725.0000	5893.429	5895.0000
	50	138	5816.092	5725.0000	5893.536	5895.0000
	-20	120	5816.124	5725.0000	5893.429	5895.0000
	20	120	5816.834	5725.0000	5893.260	5895.0000
	50	120	5816.154	5725.0000	5893.357	5895.0000
	-20	102	5816.879	5725.0000	5893.230	5895.0000
	20	102	5816.836	5725.0000	5893.381	5895.0000
	50	102	5816.809	5725.0000	5893.225	5895.0000

Test Channel: Lowest for Lower Edge,Highest for Upper Edge						
Test mode	Temperature (℃)	Voltage (V_{AC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
802.11ac80	-20	138	5817.086	5850.0000	5893.968	5895.0000
	20	138	5818.017	5850.0000	5893.992	5895.0000
	50	138	5817.086	5850.0000	5893.864	5895.0000
	-20	120	5817.942	5850.0000	5893.237	5895.0000
	20	120	5817.886	5850.0000	5893.135	5895.0000
	50	120	5817.945	5850.0000	5893.993	5895.0000
	-20	102	5817.358	5850.0000	5892.872	5895.0000
	20	102	5817.051	5850.0000	5893.759	5895.0000
	50	102	5817.893	5850.0000	5893.999	5895.0000

Test Channel: Lowest for Lower Edge,Highest for Upper Edge						
Test mode	Temperature (℃)	Voltage (V_{AC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
802.11ax20	-20	138	5836.242	5725.0000	5893.912	5895.0000
	20	138	5836.433	5725.0000	5894.036	5895.0000
	50	138	5836.819	5725.0000	5894.008	5895.0000
	-20	120	5836.566	5725.0000	5893.968	5895.0000
	20	120	5836.379	5725.0000	5893.937	5895.0000
	50	120	5836.415	5725.0000	5893.661	5895.0000
	-20	102	5836.841	5725.0000	5893.789	5895.0000
	20	102	5836.579	5725.0000	5893.897	5895.0000
	50	102	5836.403	5725.0000	5893.981	5895.0000

Test Channel: Lowest for Lower Edge,Highest for Upper Edge						
Test mode	Temperature (℃)	Voltage (V_{AC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
802.11ax40	-20	138	5816.943	5725.0000	5893.390	5895.0000
	20	138	5817.013	5725.0000	5893.456	5895.0000
	50	138	5816.166	5725.0000	5893.626	5895.0000
	-20	120	5816.187	5725.0000	5893.447	5895.0000
	20	120	5816.843	5725.0000	5893.266	5895.0000
	50	120	5816.186	5725.0000	5893.368	5895.0000
	-20	102	5816.922	5725.0000	5893.235	5895.0000
	20	102	5816.864	5725.0000	5893.456	5895.0000
	50	102	5816.839	5725.0000	5893.318	5895.0000

Test Channel: Lowest for Lower Edge,Highest for Upper Edge						
Test mode	Temperature (℃)	Voltage (V_{AC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
802.11ax80	-20	138	5817.143	5850.0000	5875.695	5895.0000
	20	138	5818.089	5850.0000	5875.625	5895.0000
	50	138	5817.186	5850.0000	5875.498	5895.0000
	-20	120	5817.998	5850.0000	5875.730	5895.0000
	20	120	5817.917	5850.0000	5875.681	5895.0000
	50	120	5817.973	5850.0000	5875.739	5895.0000
	-20	102	5817.403	5850.0000	5875.487	5895.0000
	20	102	5817.143	5850.0000	5875.725	5895.0000
	50	102	5817.898	5850.0000	5875.702	5895.0000

Test Channel: Lowest for Lower Edge,Highest for Upper Edge						
Test mode	Temperature (℃)	Voltage (V_{AC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
802.11be20	-20	138	5836.184	5725.0000	5893.998	5895.0000
	20	138	5836.416	5725.0000	5894.079	5895.0000
	50	138	5836.780	5725.0000	5894.075	5895.0000
	-20	120	5836.525	5725.0000	5893.978	5895.0000
	20	120	5836.362	5725.0000	5893.938	5895.0000
	50	120	5836.388	5725.0000	5893.669	5895.0000
	-20	102	5836.800	5725.0000	5893.810	5895.0000
	20	102	5836.576	5725.0000	5893.953	5895.0000
	50	102	5836.393	5725.0000	5894.070	5895.0000

Test Channel: Lowest for Lower Edge,Highest for Upper Edge						
Test mode	Temperature (℃)	Voltage (V_{AC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
802.11be40	-20	138	5816.853	5725.0000	5893.414	5895.0000
	20	138	5817.007	5725.0000	5893.544	5895.0000
	50	138	5816.080	5725.0000	5893.641	5895.0000
	-20	120	5816.177	5725.0000	5893.533	5895.0000
	20	120	5816.778	5725.0000	5893.300	5895.0000
	50	120	5816.146	5725.0000	5893.415	5895.0000
	-20	102	5816.872	5725.0000	5893.311	5895.0000
	20	102	5816.828	5725.0000	5893.463	5895.0000
	50	102	5816.767	5725.0000	5893.414	5895.0000

Test Channel: Lowest for Lower Edge,Highest for Upper Edge						
Test mode	Temperature (℃)	Voltage (V_{AC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
802.11be80	-20	138	5817.092	5850.0000	5875.773	5895.0000
	20	138	5817.991	5850.0000	5875.696	5895.0000
	50	138	5817.101	5850.0000	5875.502	5895.0000
	-20	120	5817.916	5850.0000	5875.794	5895.0000
	20	120	5817.833	5850.0000	5875.779	5895.0000
	50	120	5817.925	5850.0000	5875.802	5895.0000
	-20	102	5817.361	5850.0000	5875.491	5895.0000
	20	102	5817.046	5850.0000	5875.783	5895.0000
	50	102	5817.810	5850.0000	5875.740	5895.0000

Test Channel: Lowest for Lower Edge,Highest for Upper Edge						
Test mode	Temperature (℃)	Voltage (V_{AC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
802.11ac160	-20	138	5737.350	5725.0000	5892.301	5895.0000
	20	138	5737.420	5725.0000	5892.564	5895.0000
	50	138	5737.321	5725.0000	5892.227	5895.0000
	-20	120	5737.300	5725.0000	5892.236	5895.0000
	20	120	5737.303	5725.0000	5892.257	5895.0000
	50	120	5737.420	5725.0000	5892.360	5895.0000
	-20	102	5737.203	5725.0000	5892.441	5895.0000
	20	102	5737.445	5725.0000	5892.155	5895.0000
	50	102	5737.311	5725.0000	5892.285	5895.0000

Test Channel: Lowest for Lower Edge,Highest for Upper Edge						
Test mode	Temperature (℃)	Voltage (V_{AC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
802.11ax160	-20	138	5737.367	5725.0000	5892.391	5895.0000
	20	138	5737.434	5725.0000	5892.582	5895.0000
	50	138	5737.413	5725.0000	5892.243	5895.0000
	-20	120	5737.300	5725.0000	5892.269	5895.0000
	20	120	5737.363	5725.0000	5892.264	5895.0000
	50	120	5737.450	5725.0000	5892.399	5895.0000
	-20	102	5737.209	5725.0000	5892.485	5895.0000
	20	102	5737.468	5725.0000	5892.159	5895.0000
	50	102	5737.336	5725.0000	5892.377	5895.0000

Test Channel: Lowest for Lower Edge,Highest for Upper Edge						
Test mode	Temperature (℃)	Voltage (V_{AC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
802.11be160	-20	138	5737.280	5725.0000	5892.397	5895.0000
	20	138	5737.403	5725.0000	5892.654	5895.0000
	50	138	5737.357	5725.0000	5892.286	5895.0000
	-20	120	5737.296	5725.0000	5892.353	5895.0000
	20	120	5737.274	5725.0000	5892.338	5895.0000
	50	120	5737.363	5725.0000	5892.479	5895.0000
	-20	102	5737.181	5725.0000	5892.548	5895.0000
	20	102	5737.435	5725.0000	5892.197	5895.0000
	50	102	5737.316	5725.0000	5892.465	5895.0000

RF EXPOSURE EVALUATION

MPE-Based Exemption

Applicable Standard

According to subpart 15.247(i)and subpart §1.1310, systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

Limits for Maximum Permissible Exposure (MPE) (§1.1310, §2.1091)

(B) Limits for General Population/Uncontrolled Exposure				
Frequency Range (MHz)	**Electric Field Strength (V/m)**	**Magnetic Field Strength (A/m)**	**Power Density (mW/cm^2)**	**Averaging Time (minutes)**
0.3–1.34	614	1.63	*(100)	30
1.34–30	824/f	2.19/f	*(180/f^2)	30
30–300	27.5	0.073	0.2	30
300–1500	/	/	f/1500	30
1500–100,000	/	/	1.0	30

f = frequency in MHz; * = Plane-wave equivalent power density;

According to §1.1310 and §2.1091 RF exposure is calculated.

Result

Calculation formula:

Prediction of power density at the distance of the applicable MPE limit
$S = PG/4\pi R^2$ = power density (in appropriate units, e.g. mW/cm^2);
P = power input to the antenna (in appropriate units, e.g., mW);
G = power gain of the antenna in the direction of interest relative to an isotropic radiator, the power gain factor, is normally numeric gain;
R = distance to the center of radiation of the antenna (appropriate units, e.g., cm);

For simultaneously transmit system, the calculated power density should comply with:

$$\sum_i \frac{S_i}{S_{Limit,i}} \leq 1$$

Calculated Data:

For worst case:

Mode	Frequency (MHz)	Antenna Gain#		Max Tune-up Power#		Evaluation Distance (cm)	Power Density (mW/cm^2)	MPE Limit (mW/cm^2)
		(dBi)	(numeric)	(dBm)	(mW)			
2.4G Wi-Fi	2412-2462	6.77	4.75	28.5	707.95	30	0.2975	1.0
5G Wi-Fi	5150-5250	10.46	11.12	23	199.53	30	0.1963	1.0
	5250-5350	10.46	11.12	22	158.49	30	0.1559	1.0
	5470-5725	10.46	11.12	20	100.00	30	0.0984	1.0
	5725-5850	10.46	11.12	25.5	354.81	30	0.3490	1.0
	5850-5895	10.46	11.12	24	251.19	30	0.2471	1.0

Note:
1) The tune up conducted power and antenna gain was declared by the applicant.
2) The antenna gain should be the directional gain.
3) The 2.4G Wi-Fi and 5G Wi-Fi can simultaneous transmitting.

Simultaneous transmitting consideration (worst case):

The ratio=$MPE_{2.4G\ Wi\text{-}Fi}$/limit+$MPE_{5G\ Wi\text{-}Fi}$/limit = 0.2975/1.0+0.3490/1.0 =0.647<1.0,
so simultaneous exposure is compliant.

To maintain compliance with the FCC's RF exposure guidelines, place the equipment at least 30cm from nearby persons.

Result: Compliant

EXPOSURE LIMITS

Applicable Standard

According to RSS-102 Issue 6 §5.3.2:

Table 7: RF field strength and power density limits for devices used by the general public (uncontrolled environment)

Frequency range (MHz)	Electric field (V_{RMS}/m)	Magnetic field (A_{RMS}/m)	Power density (W/m^2)	Reference period (minutes)
10-20	27.46	0.0728	2	6
20-48	$58.07 / f^{0.25}$	$0.1540 / f^{0.25}$	$8.944 / f^{0.5}$	6
48-300	22.06	0.05852	1.291	6
300-6000	$3.142 f^{0.3417}$	$0.008335 f^{0.3417}$	$0.02619 f^{0.6834}$	6
6000-15000	61.4	0.163	10	6
15000-150000	61.4	0.163	10	$616000/ f^{1.2}$
150000-300000	$0.158 f^{0.5}$	$4.21\times10^{-4} f^{0.5}$	$6.67\times10^{-5} f$	$616000/ f^{1.2}$

Note: f is frequency in MHz.

Calculated Formulary:

Predication of MPE limit at a given distance

$$S = \frac{PG}{4\pi R^2}$$

S = power density (in appropriate units, e.g. W/m^2)

P = power input to the antenna (in appropriate units, e.g., W).

G = power gain of the antenna in the direction of interest relative to an isotropic radiator, the power gain factor, is normally numeric gain.

R = distance to the center of radiation of the antenna (appropriate units, e.g., m)

For simultaneously transmit system, the calculated power density should comply with:

$$\sum_i \frac{S_i}{S_{Limit,i}} \le 1$$

Mode	Frequency (MHz)	Antenna Gain#		Tune up output power#		Evaluation Distance	Power Density	MPE Limit
		(dBi)	(numeric)	(dBm)	(W)	(m)	(W/m^2)	(W/m^2)
2.4G Wi-Fi	2412-2462	6.77	4.75	28.5	0.708	0.3	2.975	5.37
5G Wi-Fi	5150-5250	10.46	11.12	15	0.032	0.3	0.315	9.01
	5250-5350	10.46	11.12	17	0.05	0.3	0.492	9.13
	5470-5725	10.46	11.12	20	0.1	0.3	0.984	9.39
	5725-5850	10.46	11.12	25.5	0.355	0.3	3.492	9.69
	5850-5895	10.46	11.12	25	0.316	0.3	3.109	9.83

Note:
1) The tune up conducted power and antenna gain was declared by the applicant.
2) The antenna gain should be the directional gain.
3) The 2.4G Wi-Fi and 5G Wi-Fi can simultaneous transmitting.

Simultaneous transmitting consideration (worst case):

The ratio=$MPE_{2.4G\ Wi\text{-}Fi}$/limit+$MPE_{5G\ Wi\text{-}Fi}$/limit = 2.975/5.37+3.492/9.69=0.914<1.0,
so simultaneous exposure is compliant.

Result: Compliant

Note: To maintain compliance with the RF exposure guidelines, place the equipment at least 0.3m from nearby persons.

EUT PHOTOGRAPHS

Please refer to the attachment 2601P12244E-RF-EXP External photo and 2601P12244E-RF-INP Internal photo.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2601P12244E-RFB-TSP Test Setup photo.

******* END OF REPORT *******