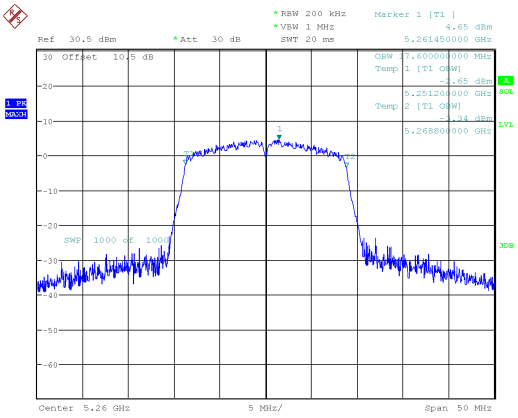
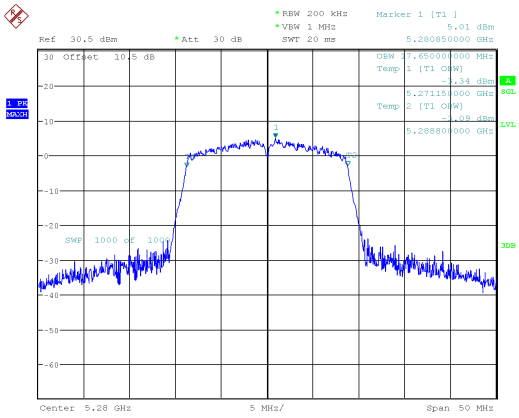
802.11ac20 mode, 5260MHz



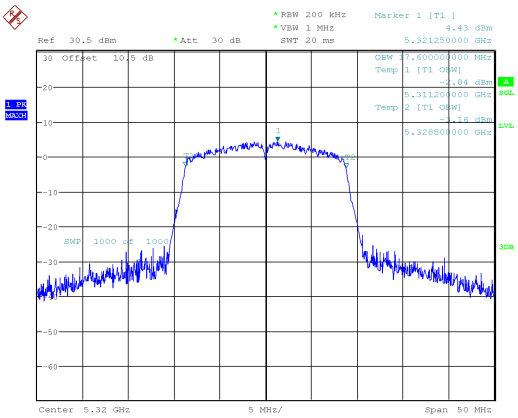
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 13.FEB.2025 13:41:33

802.11 ac20 mode, 5280MHz



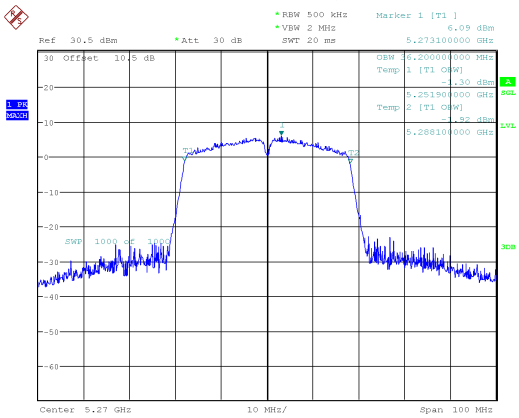
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 13.FEB.2025 13:45:26

802.11 ac20 mode, 5320MHz



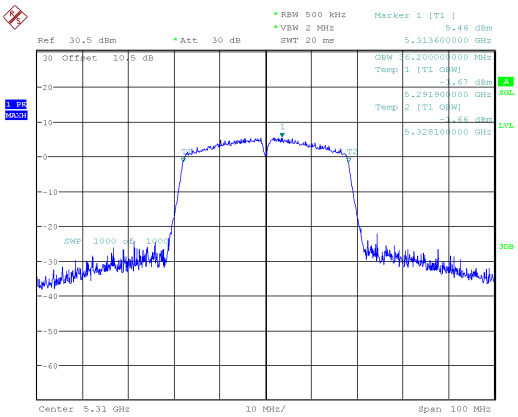
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 13.FEB.2025 13:52:25

802.11ac40 mode, 5270MHz



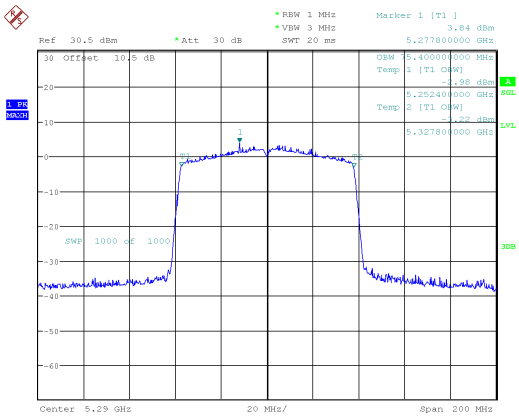
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 13.FEB.2025 14:36:11

802.11 ac40 mode, 5310MHz



ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 13.FEB.2025 14:40:44

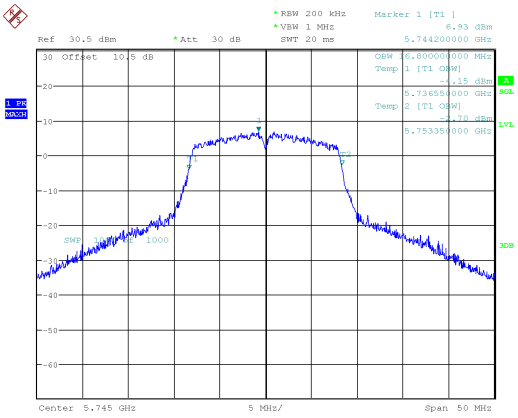
802.11ac80 mode, 5290MHz



ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 13.FEB.2025 15:13:03

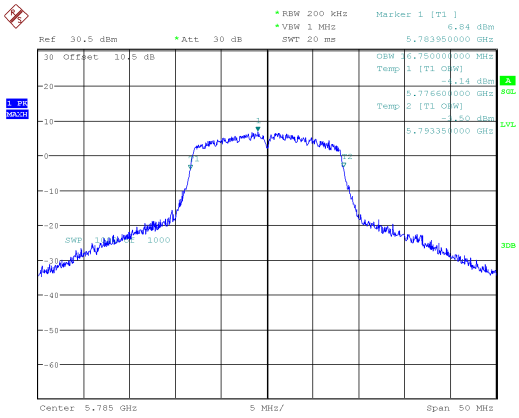
5725-5850 MHz Band

802.11a mode, 5745MHz



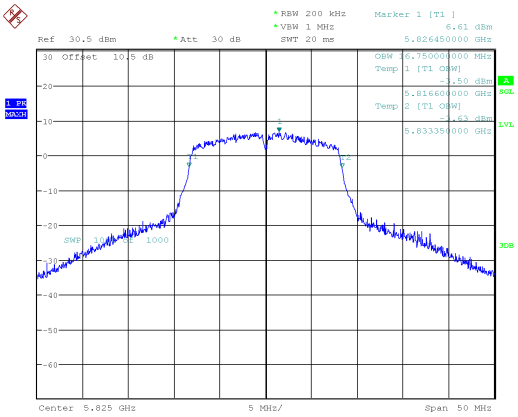
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 13.FEB.2025 11:39:30

802.11a mode, 5785MHz



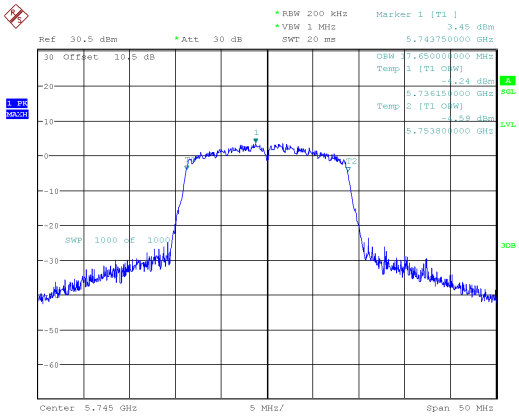
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 13.FEB.2025 11:46:05

802.11a mode, 5825MHz



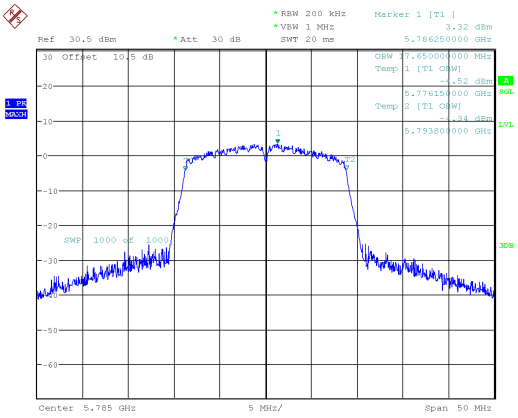
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 13.FEB.2025 11:51:27

802.11ac20 mode, 5745MHz



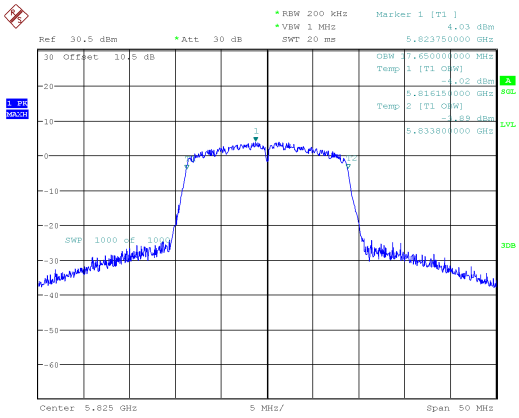
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 13.FEB.2025 13:57:39

802.11 ac20 mode, 5785MHz



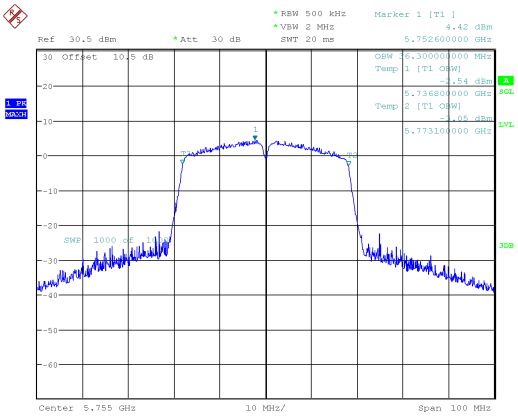
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 13.FEB.2025 14:03:54

802.11 ac20 mode, 5825MHz



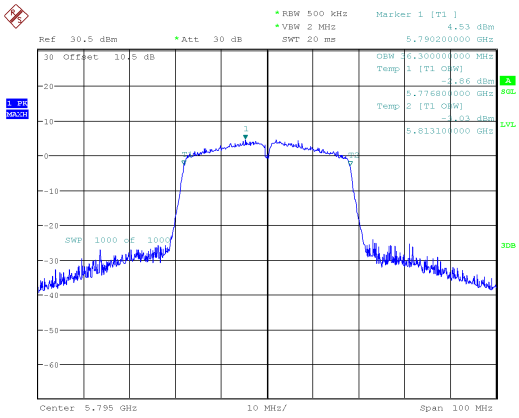
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 13.FEB.2025 14:15:18

802.11ac40 mode, 5755MHz



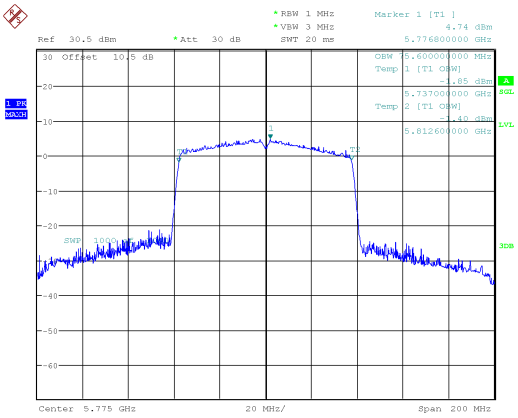
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 13.FEB.2025 14:45:22

802.11 ac40 mode, 5795MHz



ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 13.FEB.2025 14:50:26

802.11ac80 mode, 5775MHz



ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 13.FEB.2025 15:19:22

CONDUCTED TRANSMITTER OUTPUT POWER

Environmental Conditions & Test Information

Test Date:	2025-02-13
Temperature:	16.2 ℃
Relative Humidity:	37 %
ATM Pressure:	102.9 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

Test Mode: Transmitting

Band	Mode	Frequency (MHz)	Conducted Average Power (dBm)	Limit (dBm)
5150-5250 MHz	802.11 a	5180	16.75	24
		5200	16.85	
		5240	16.75	
	802.11 ac20	5180	13.40	
		5200	13.67	
		5240	13.59	
	802.11 ac40	5190	13.55	
		5230	13.63	
	802.11 ac80	5210	11.08	

Note: the EUT is a client equipment

Band	Mode	Frequency (MHz)	Conducted Average Power (dBm)	Limit (dBm)
5250-5350 MHz	802.11 a	5260	16.64	24
		5280	13.60	
		5320	13.46	
	802.11 ac20	5260	13.32	
		5280	13.40	
		5320	13.26	
	802.11 ac40	5270	13.21	
		5310	13.25	
	802.11 ac80	5290	9.83	

Band	Mode	Channel	Frequency (MHz)	Conducted Average Power (dBm)	Limit (dBm)
5725-5850 MHz	802.11 a	Low	5745	15.39	30
		Middle	5785	15.33	
		High	5825	15.42	
	802.11 ac20	Low	5745	12.28	
		Middle	5785	12.22	
		High	5825	12.98	
	802.11 ac40	Low	5755	12.16	
		High	5795	12.10	
	802.11 ac80	Middle	5775	11.93	

POWER SPECTRAL DENSITY

Environmental Conditions & Test Information

Test Date:	2025-02-13
Temperature:	16.2 ℃
Relative Humidity:	37 %
ATM Pressure:	102.9 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

Test Mode: Transmitting

Band	Mode	Channel	Frequency (MHz)	Reading (dBm/MHz)	Duty Cycle Factor (dB)	Result (dBm/MHz)	Limit (dBm/MHz)
5150-5250 MHz	802.11 a	Low	5180	6.48	0.18	6.66	11
		Middle	5200	6.56	0.18	6.74	
		High	5240	6.51	0.18	6.69	
	802.11 ac20	Low	5180	3.09	0.15	3.24	
		Middle	5200	3.21	0.15	3.36	
		High	5240	3.26	0.15	3.41	
	802.11 ac40	Low	5190	0.11	0.30	0.41	
		High	5230	0.27	0.30	0.57	
	802.11 ac80	Middle	5210	-5.82	0.58	-5.24	

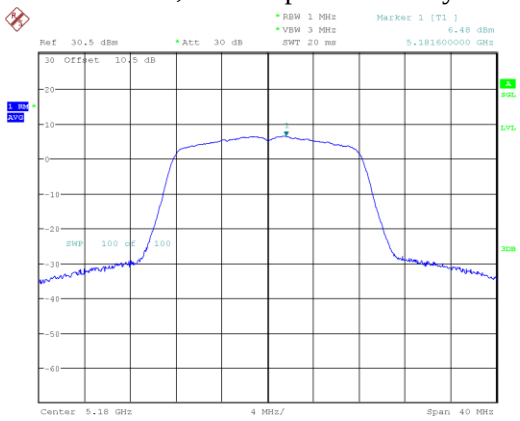
Band	Mode	Channel	Frequency (MHz)	Reading (dBm/MHz)	Duty Cycle Factor (dB	Result (dBm/MHz)	Limit (dBm/MHz)
5250-5350 MHz	802.11 a	Low	5260	6.34	0.14	6.48	11
		Middle	5280	3.28	0.14	3.42	
		High	5320	3.24	0.14	3.38	
	802.11 ac20	Low	5260	2.90	0.15	3.05	
		Middle	5280	2.92	0.15	3.07	
		High	5320	2.84	0.15	2.99	
	802.11 ac40	Low	5270	-0.21	0.65	0.44	
		High	5310	-0.27	0.65	0.38	
	802.11 ac80	Middle	5290	-7.00	0.58	-6.42	

Band	Mode	Channel	Frequency (MHz)	Reading (dBm/500kHz)	Duty Cycle Factor (dB)	Result (dBm/500kHz)	Limit (dBm/500kHz)
5725-5850 MHz	802.11 a	Low	5745	2.08	0.18	2.26	30
		Middle	5785	2.13	0.18	2.31	
		High	5825	2.16	0.18	2.34	
	802.11 ac20	Low	5745	-1.11	0.15	-0.96	
		Middle	5785	-1.09	0.15	-0.94	
		High	5825	-0.48	0.15	-0.33	
	802.11 ac40	Low	5755	-4.33	0.34	-3.99	
		High	5795	-4.42	0.34	-4.08	
	802.11 ac80	Middle	5775	-7.90	0.59	-7.31	

Note： Result=Reading+ Duty Cycle Factor

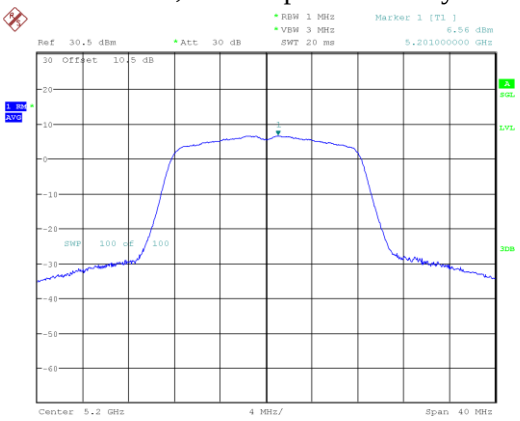
5150MHz-5250 MHz Band:

802.11a mode, Power spectral density-5180MHz



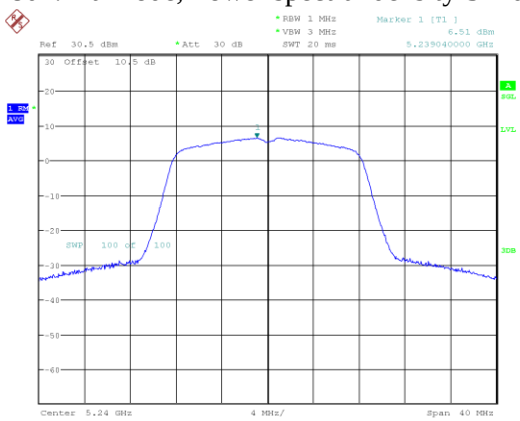
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 13.FEB.2025 11:05:44

802.11a mode, Power spectral density-5200MHz



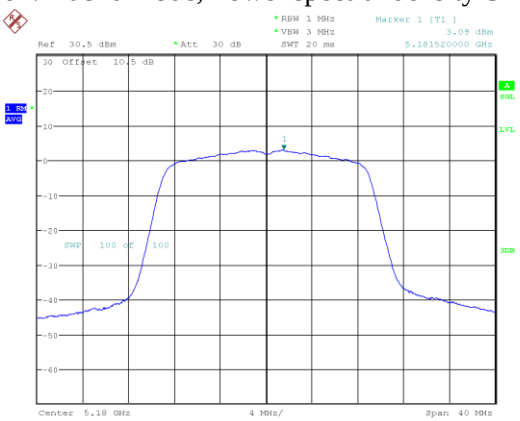
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 13.FEB.2025 11:15:06

802.11a mode, Power spectral density-5240MHz



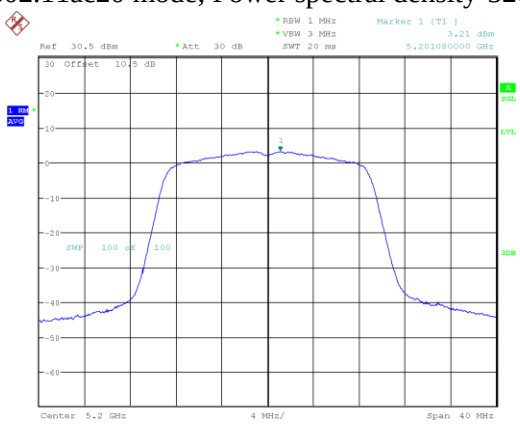
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 13.FEB.2025 11:19:31

802.11ac20 mode, Power spectral density-5180MHz



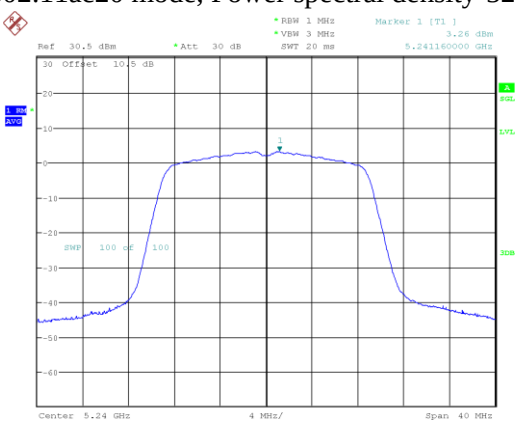
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 13.FEB.2025 13:25:12

802.11ac20 mode, Power spectral density-5200MHz



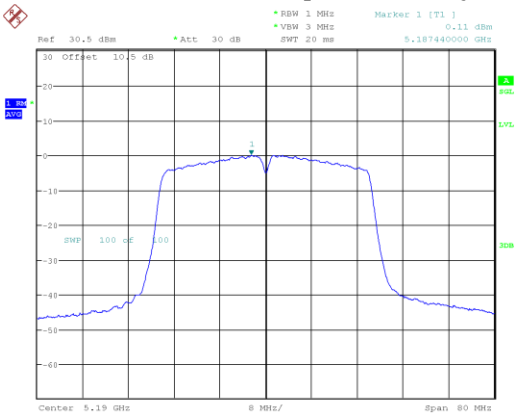
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 13.FEB.2025 13:36:00

802.11ac20 mode, Power spectral density-5240MHz



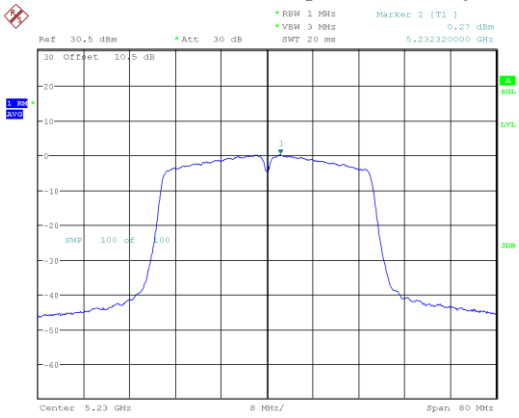
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 13.FEB.2025 13:40:19

802.11ac40 mode, Power spectral density-5190MHz



ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 13.FEB.2025 14:25:21

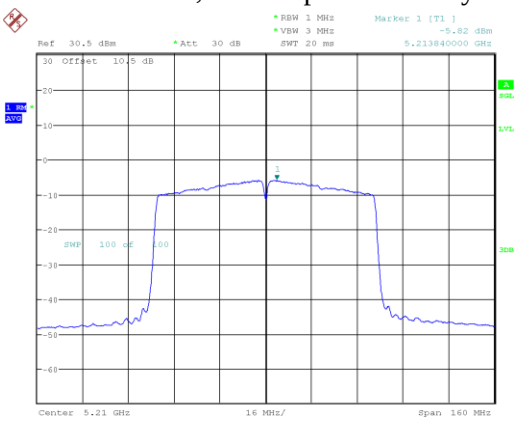
802.11ac40 mode, Power spectral density-5230MHz



ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 13.FEB.2025 14:30:27

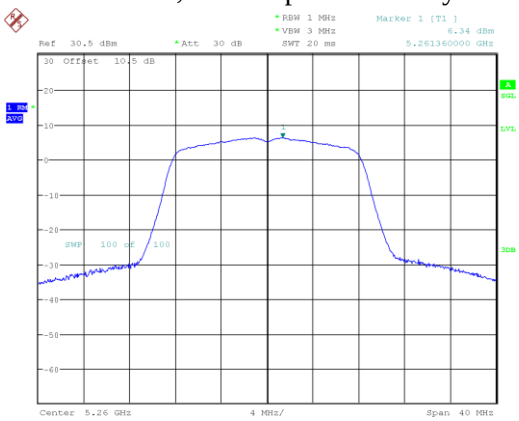
5250-5350 MHz Band:

802.11ac80 mode, Power spectral density-5210MHz



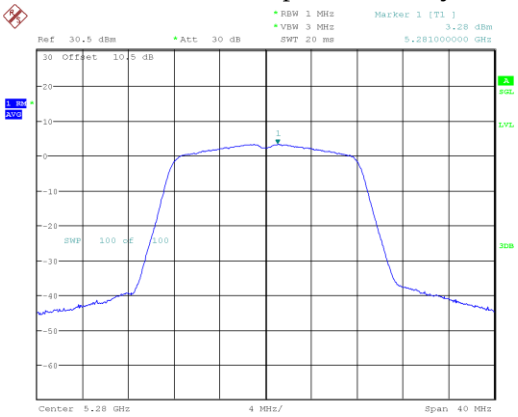
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 13.FEB.2025 15:10:43

802.11a mode, Power spectral density-5260MHz



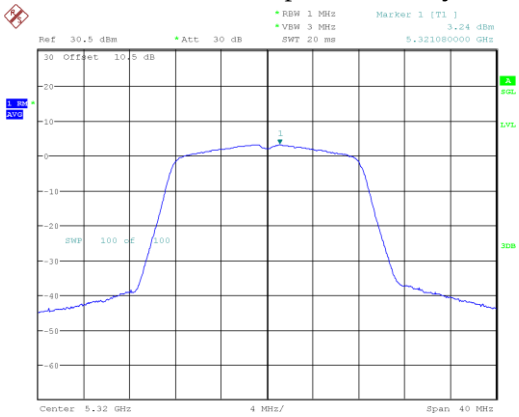
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 13.FEB.2025 11:23:26

802.11a mode, Power spectral density-5280MHz



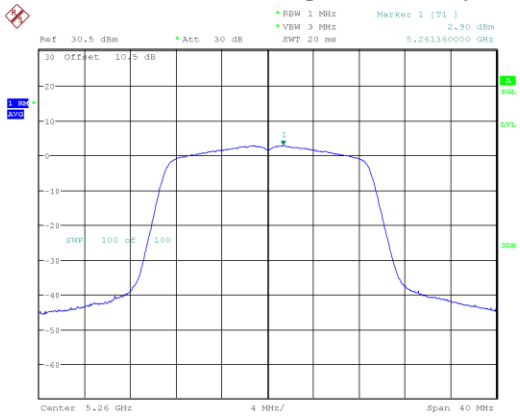
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 13.FEB.2025 11:33:21

802.11a mode, Power spectral density-5320MHz



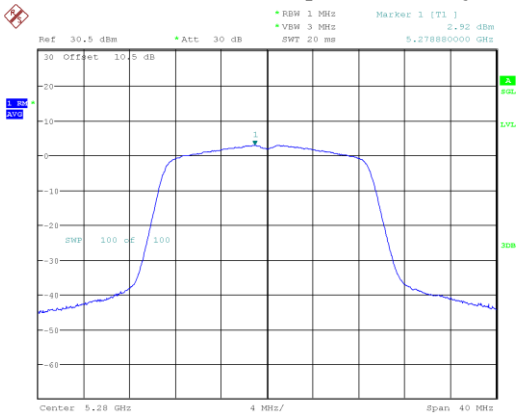
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 13.FEB.2025 11:38:10

802.11ac20 mode, Power spectral density-5260MHz



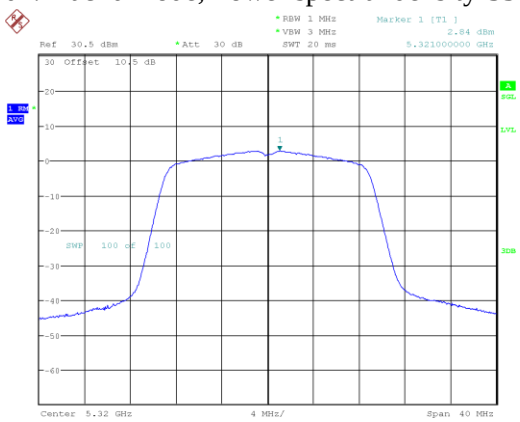
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 13.FEB.2025 13:44:11

802.11ac20 mode, Power spectral density-5280MHz



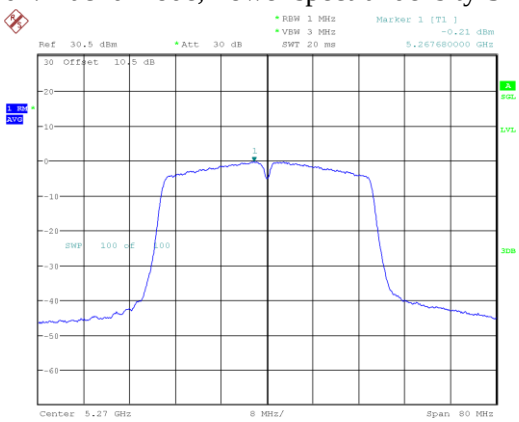
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 13.FEB.2025 13:51:06

802.11ac20 mode, Power spectral density-5320MHz



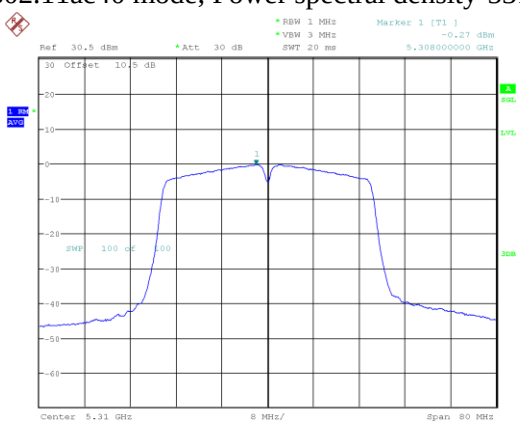
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 13.FEB.2025 13:56:18

802.11ac40 mode, Power spectral density-5270MHz



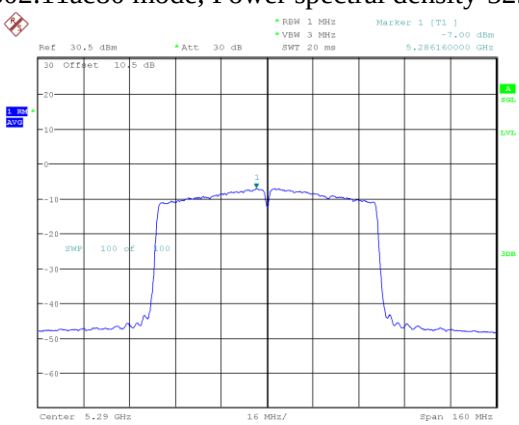
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 13.FEB.2025 14:38:43

802.11ac40 mode, Power spectral density-5310MHz



ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 13.FEB.2025 14:43:12

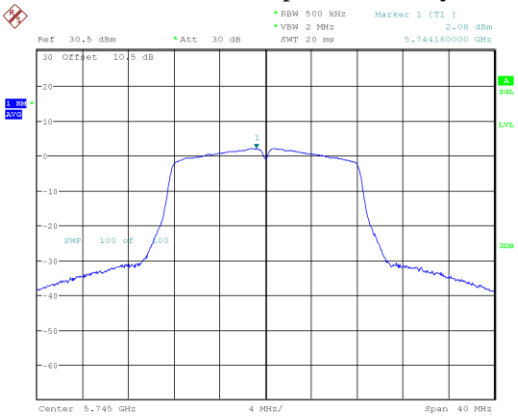
802.11ac80 mode, Power spectral density-5290MHz



ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 13.FEB.2025 15:16:45

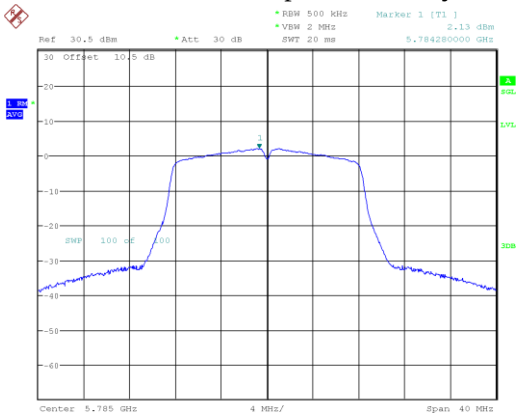
5725MHz-5850 MHz Band:

802.11a mode, Power spectral density-5745MHz



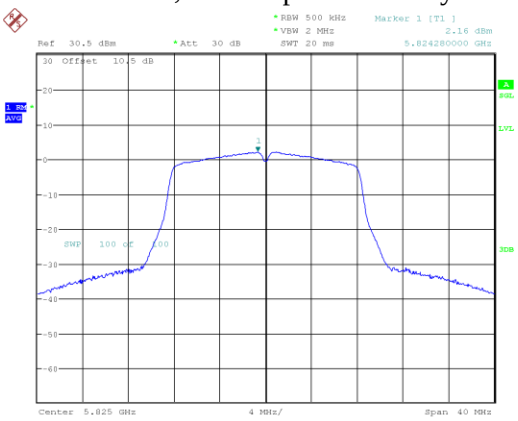
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 13.FEB.2025 11:44:42

802.11a mode, Power spectral density-5785MHz



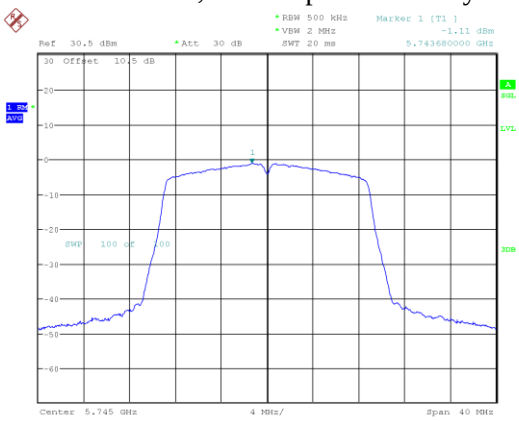
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 13.FEB.2025 11:49:01

802.11a mode, Power spectral density-5825MHz



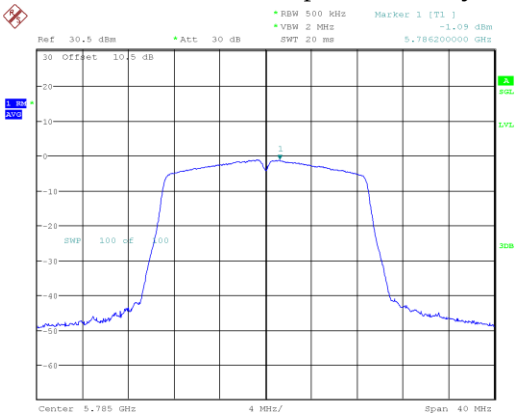
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 13.FEB.2025 11:53:16

802.11ac20 mode, Power spectral density-5745MHz



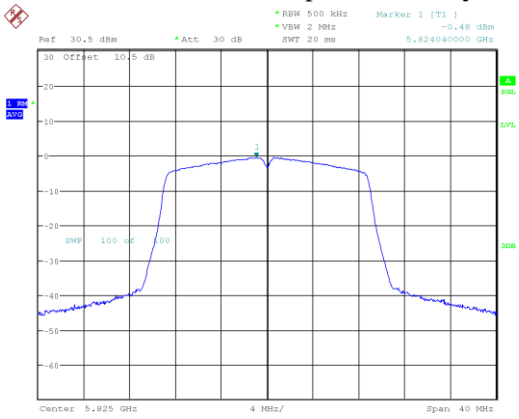
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 13.FEB.2025 14:00:30

802.11ac20 mode, Power spectral density-5785MHz



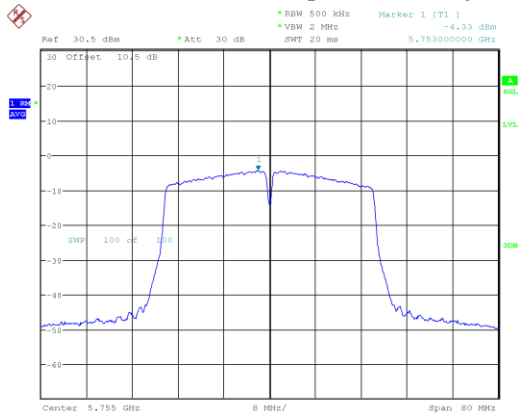
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 13.FEB.2025 14:07:12

802.11ac20 mode, Power spectral density-5825MHz



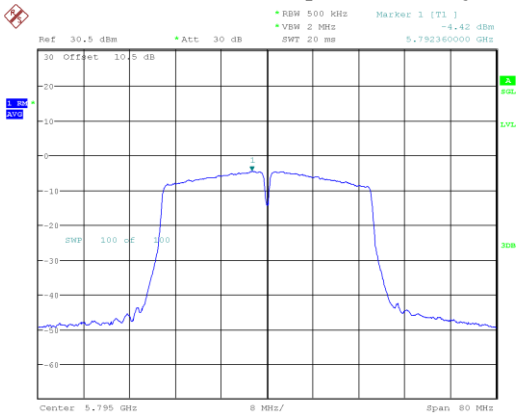
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 13.FEB.2025 14:17:30

802.11ac40 mode, Power spectral density-5755MHz



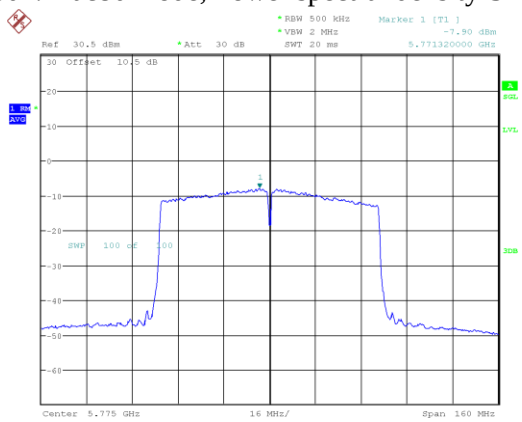
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 13.FEB.2025 14:48:14

802.11ac40 mode, Power spectral density-5795MHz



ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 13.FEB.2025 14:52:59

802.11ac80 mode, Power spectral density-5775MHz



ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 13.FEB.2025 15:22:44

Declarations

1. The laboratory is not responsible for the authenticity of any information provided by the applicant. Information from the applicant that may affect test results is marked with "★".

2. The test data was only valid for the test sample(s).

3. This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.

4. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.

5. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor k=2 with the 95.45% confidence interval.

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