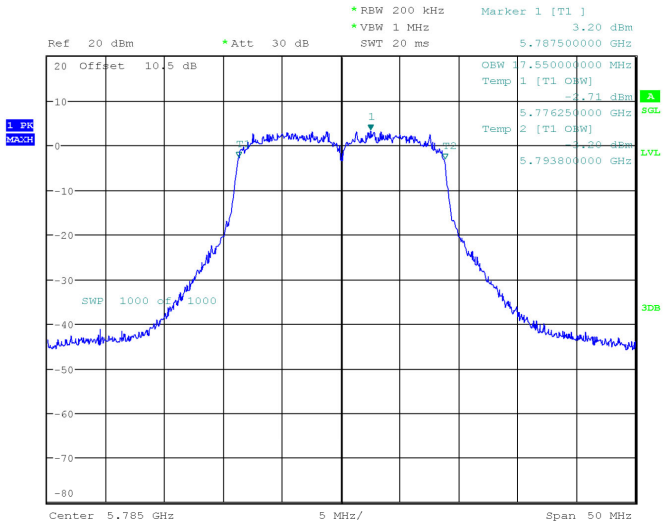
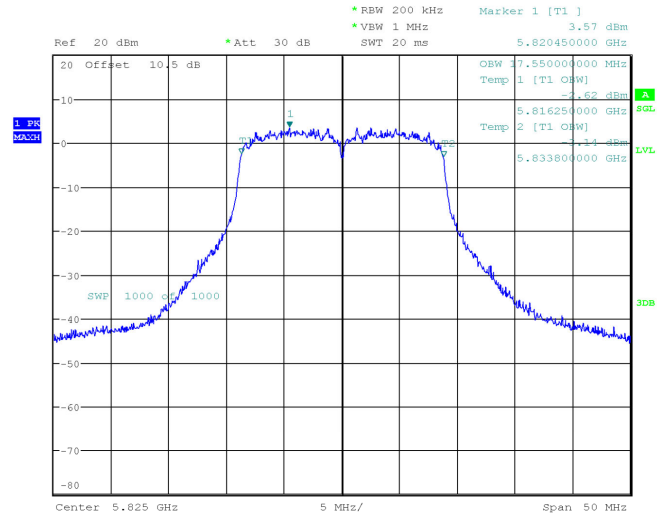
802.11 n20 mode, 5785MHz



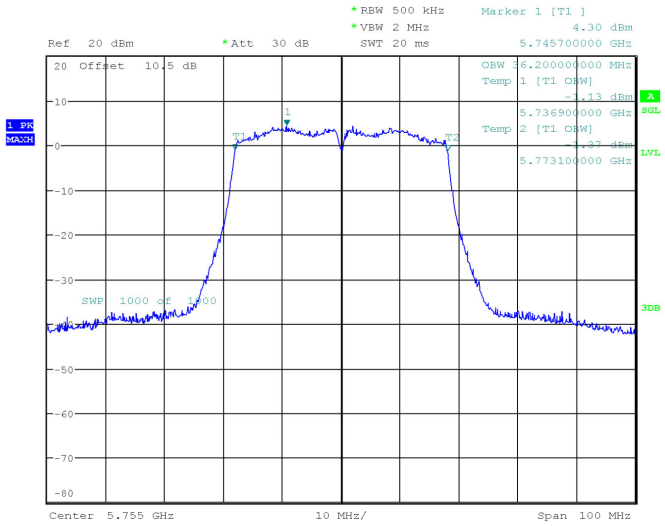
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 09:59:48

802.11 n20 mode, 5825MHz



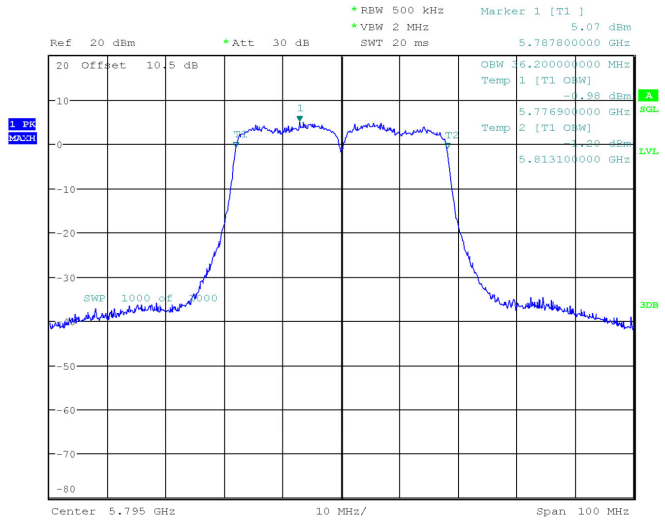
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 10:01:29

802.11n40 mode, 5755MHz



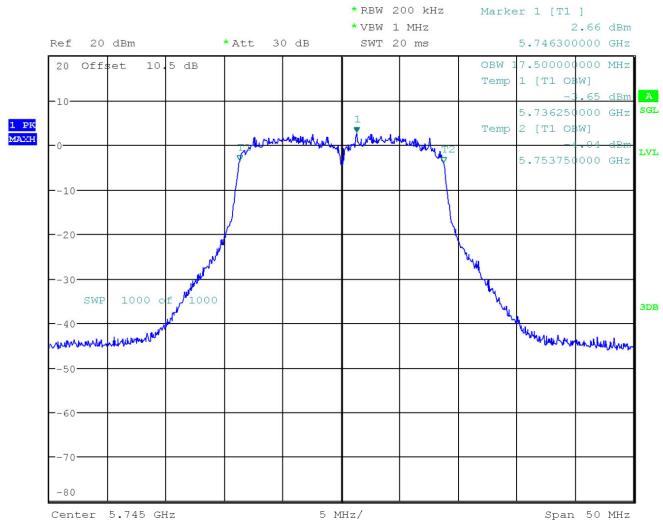
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 10:04:48

802.11n40 mode, 5795MHz



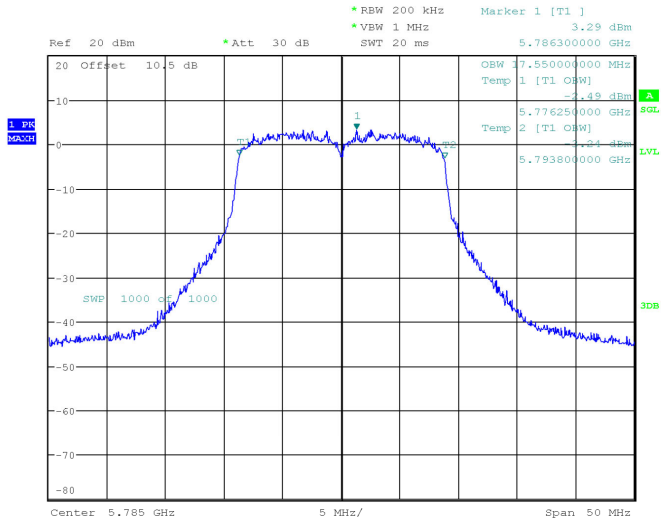
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 10:08:05

802.11ac20 mode, 5745MHz



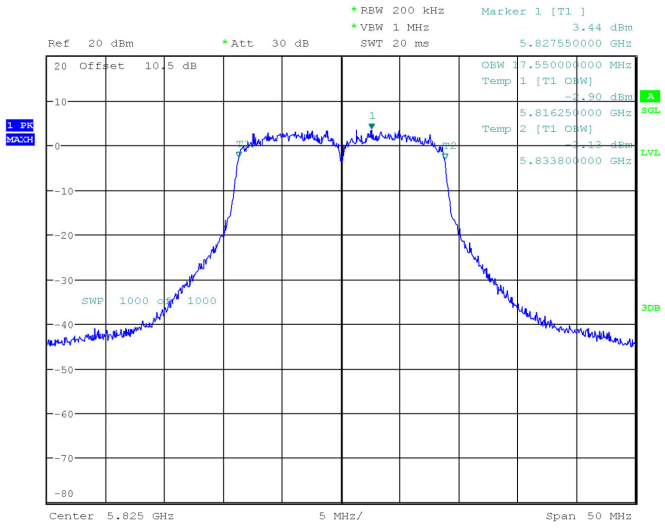
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 10:10:02

802.11ac20 mode, 5785MHz



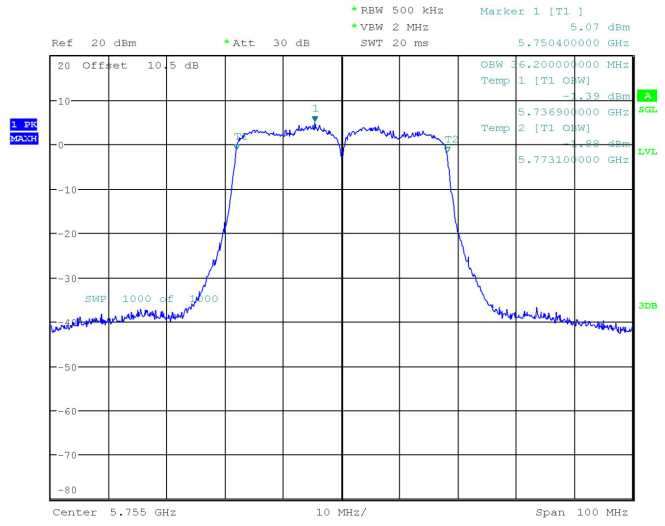
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 10:11:45

802.11 ac20 mode, 5825MHz



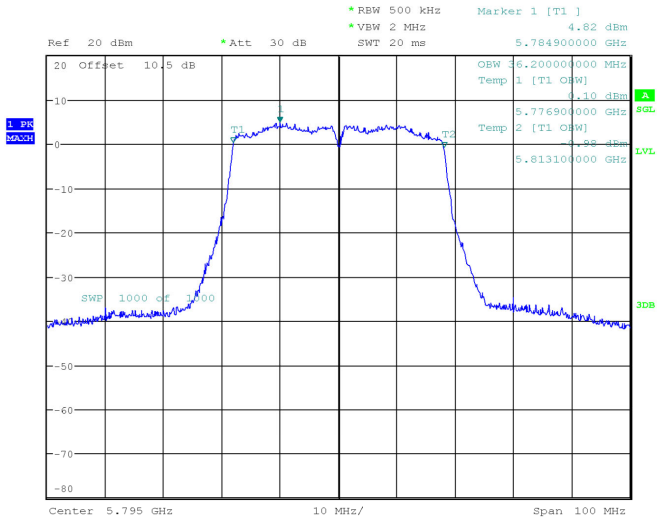
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 10:13:44

802.11ac40 mode, 5755MHz



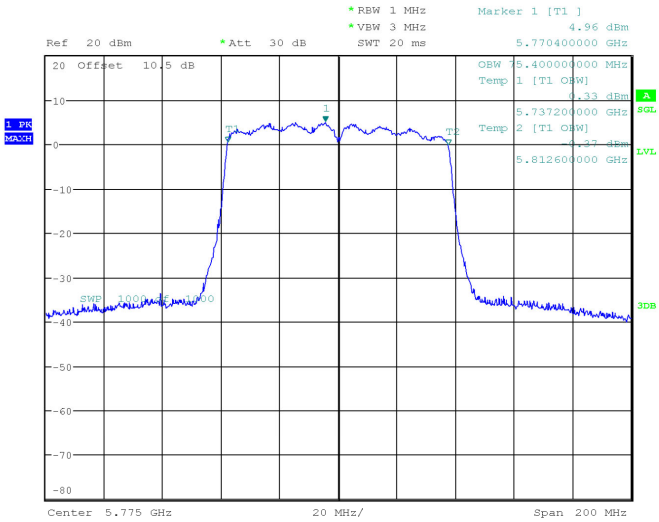
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 10:16:28

802.11ac40 mode, 5795MHz



ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 10:18:58

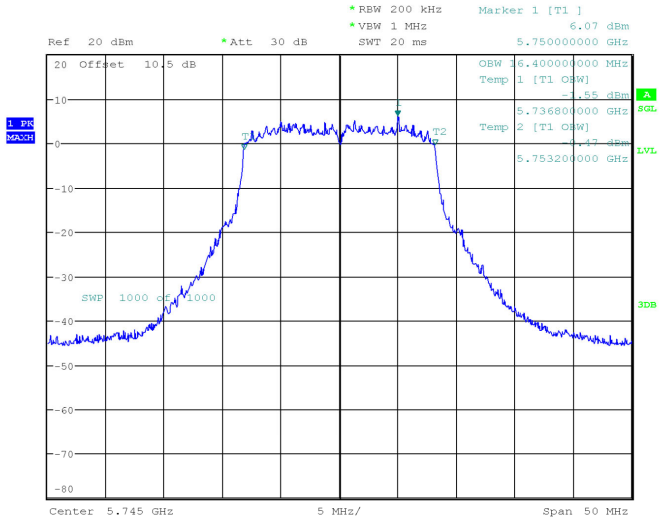
802.11ac80 mode, 5775MHz



ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 10:22:08

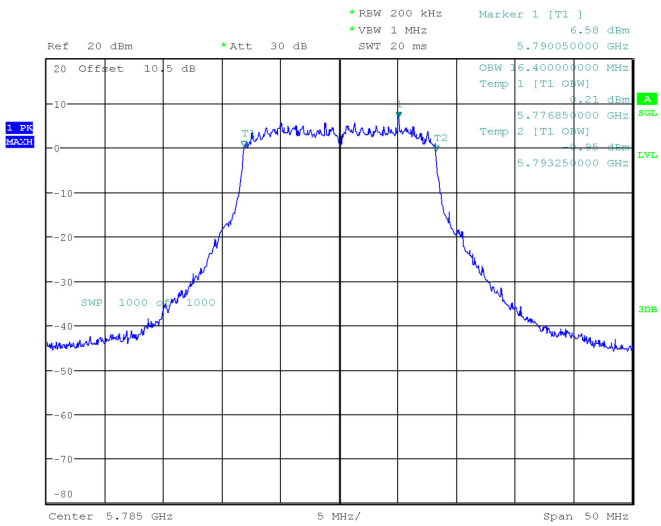
Chain 1:

802.11a mode, 5745MHz



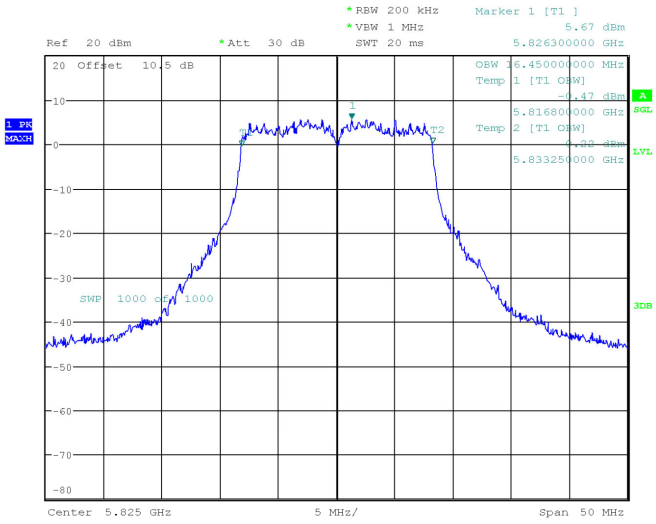
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 17:24:17

802.11a mode, 5785MHz



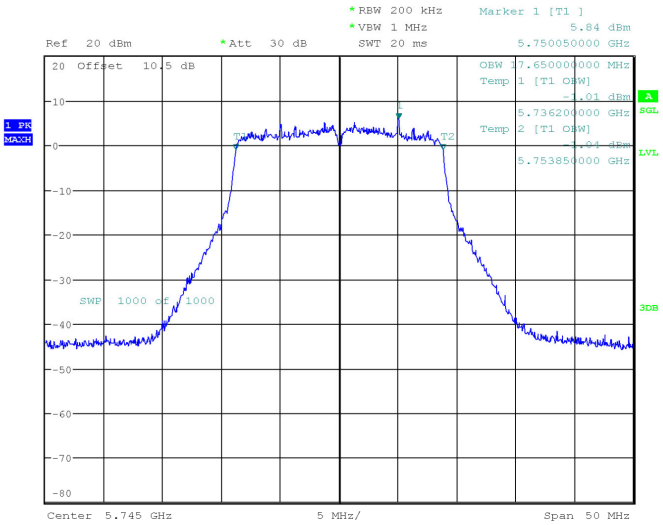
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 17:29:42

802.11a mode, 5825MHz



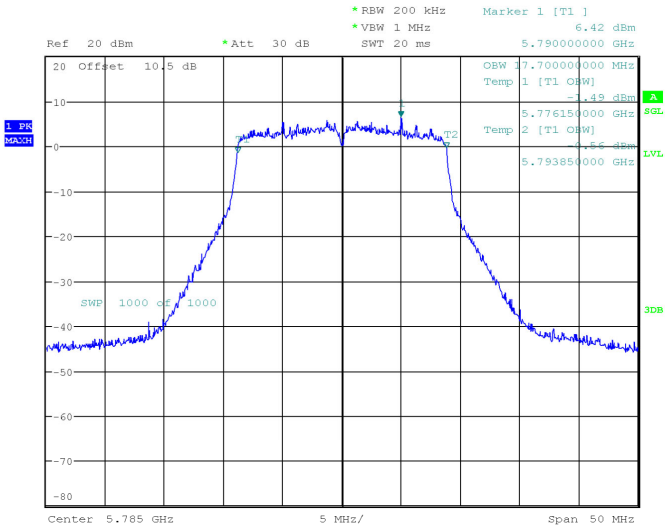
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 17:34:41

802.11n20 mode, 5745MHz



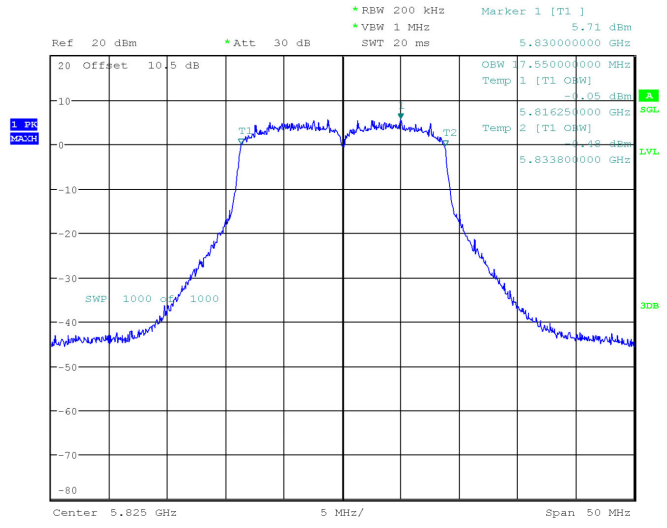
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 18:04:05

802.11 n20 mode, 5785MHz



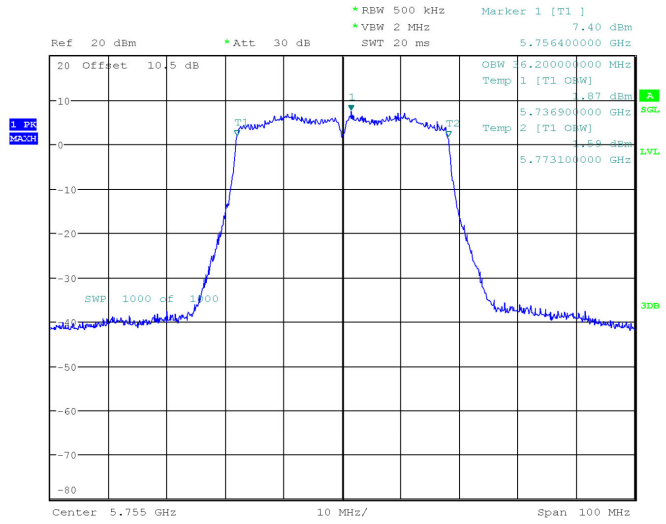
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 24.APR.2024 18:03:45

802.11 n20 mode, 5825MHz



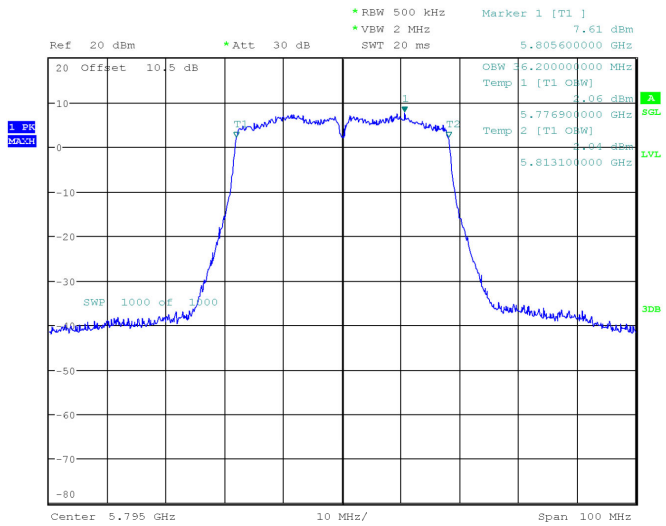
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 24.APR.2024 18:34:33

802.11n40 mode, 5755MHz



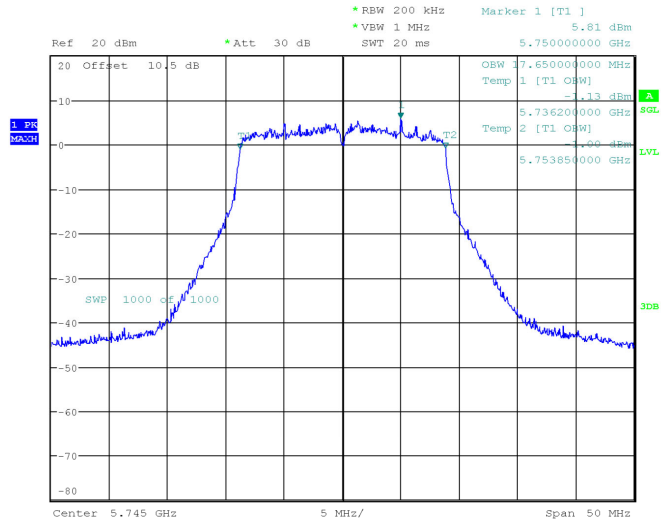
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 24.APR.2024 18:39:39

802.11n40 mode, 5795MHz



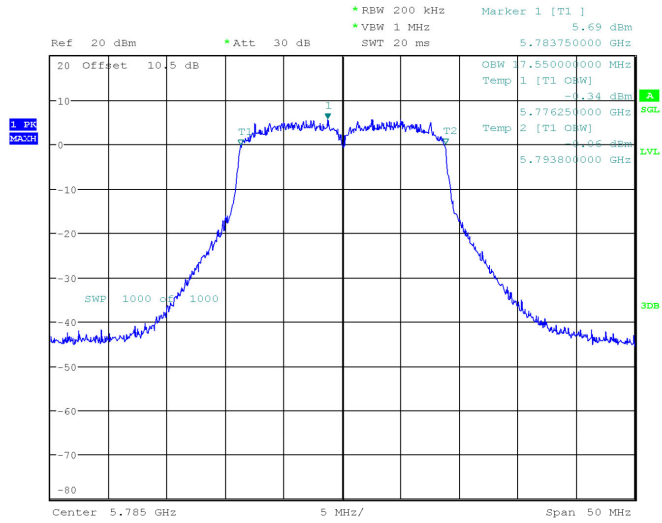
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 24.APR.2024 19:07:43

802.11ac20 mode, 5745MHz



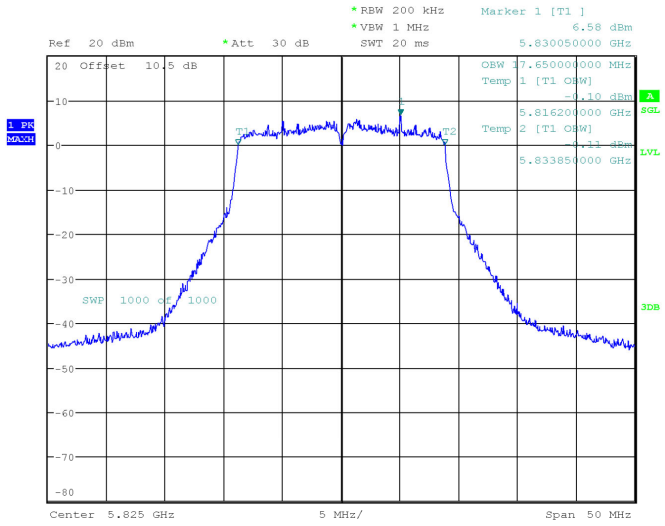
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 24.APR.2024 19:12:50

802.11ac20 mode, 5785MHz



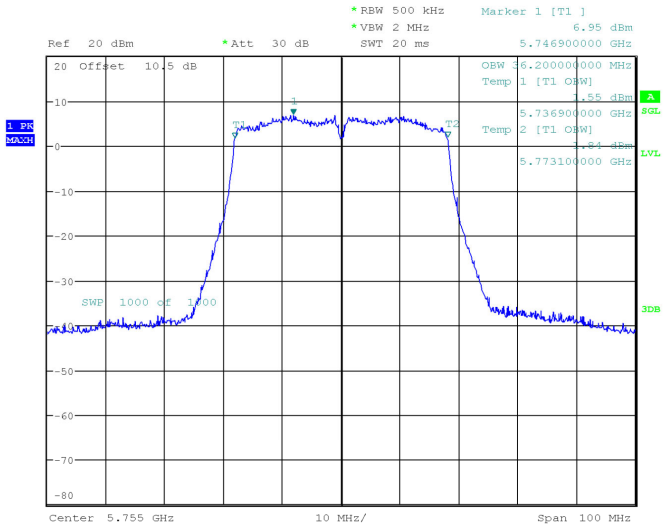
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 24.APR.2024 19:18:02

802.11 ac20 mode, 5825MHz



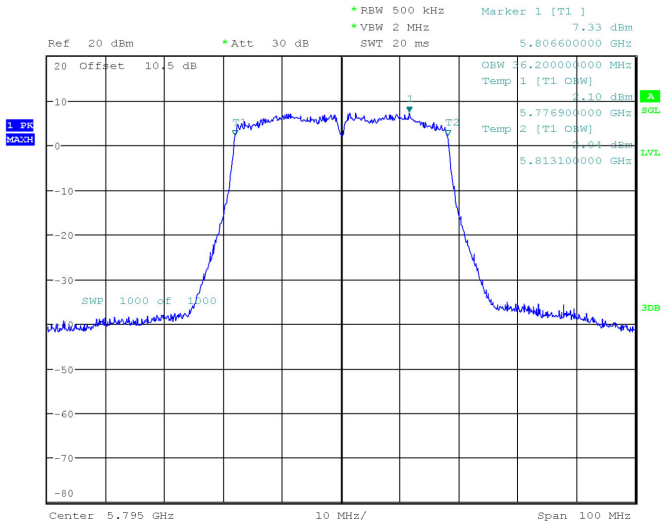
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 24.APR.2024 19:23:04

802.11ac40 mode, 5755MHz



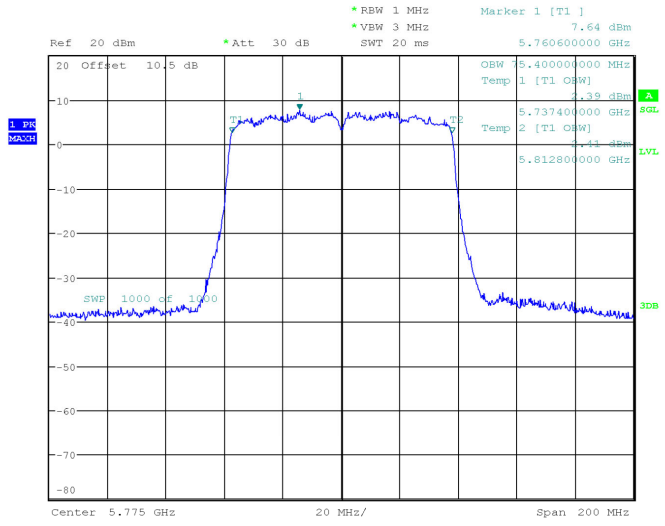
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 24.APR.2024 19:28:55

802.11ac40 mode, 5795MHz



ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 24.APR.2024 19:35:09

802.11ac80 mode, 5775MHz



ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 24.APR.2024 19:41:02

Conducted Transmitter Output Power

Test Mode: Transmitting

Test Mode	Channel (MHz)	Maximum Conducted Output Power (dBm)			Limit[dBm]	Verdict
		Chain 0	Chain 1	Total		
802.11a	5180	25.19	25.72	/	≤30.00	PASS
	5200	25.19	26.29	/	≤30.00	PASS
	5240	26.66	26.76	/	≤30.00	PASS
	5745	25.23	26.28	/	≤30.00	PASS
	5785	26.15	26.89	/	≤30.00	PASS
	5825	26.11	26.86	/	≤30.00	PASS
802.11n-HT20	5180	25.12	25.77	28.47	≤30.00	PASS
	5200	25.37	25.74	28.56	≤30.00	PASS
	5240	26.52	26.57	29.56	≤30.00	PASS
	5745	25.56	26.34	28.97	≤30.00	PASS
	5785	26.14	26.87	29.53	≤30.00	PASS
	5825	26.22	26.76	29.51	≤30.00	PASS
802.11n-HT40	5190	25.98	26.80	29.42	≤30.00	PASS
	5230	26.58	26.27	29.44	≤30.00	PASS
	5755	26.43	26.56	29.51	≤30.00	PASS
	5795	26.73	26.65	29.70	≤30.00	PASS
802.11ac-VHT20	5180	25.03	25.83	28.46	≤30.00	PASS
	5200	25.24	26.27	28.80	≤30.00	PASS
	5240	26.62	26.62	29.63	≤30.00	PASS
	5745	25.36	26.36	28.90	≤30.00	PASS
	5785	26.03	26.86	29.47	≤30.00	PASS
	5825	26.23	26.47	29.36	≤30.00	PASS
802.11ac-VHT40	5190	26.08	26.13	29.11	≤30.00	PASS
	5230	26.40	26.73	29.58	≤30.00	PASS
	5755	26.50	26.73	29.62	≤30.00	PASS
	5795	26.65	26.67	29.67	≤30.00	PASS
802.11ac-VHT80	5210	24.19	25.52	27.92	≤30.00	PASS
	5775	26.61	26.84	29.74	≤30.00	PASS

Note:
The maximum antenna gain is 6dBi, the device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices:
Array Gain = 0 dB (i.e., no array gain) for NANT ≤ 4;
So: Directional gain = GANT + Array Gain =6dBi, no RF out power limit was reduced.

Power Spectral Density

Test Mode: Transmitting

Test Mode	Channel (MHz)	Maximum Power Spectral Density (dBm/MHz)			Limit (dBm/MHz)	Verdict
		Chain 0	Chain 1	Total		
802.11a	5180	8.88	9.38	/	≤17.00	PASS
	5200	9.13	10.14	/	≤17.00	PASS
	5240	10.55	11.03	/	≤17.00	PASS
802.11n-HT20	5180	1.3	1.88	4.61	≤14.00	PASS
	5200	1.69	2.5	5.12	≤14.00	PASS
	5240	3.09	3.69	6.41	≤14.00	PASS
802.11n-HT40	5190	-0.89	-0.32	2.41	≤14.00	PASS
	5230	0.2	0.97	3.61	≤14.00	PASS
802.11ac-VHT20	5180	1.34	1.68	4.52	≤14.00	PASS
	5200	-1.86	2.21	3.65	≤14.00	PASS
	5240	-1.53	3.84	4.95	≤14.00	PASS
802.11ac-VHT40	5190	-2.4	-0.27	1.80	≤14.00	PASS
	5230	-1.52	0.84	2.83	≤14.00	PASS
802.11ac-VHT80	5210	-9.19	-6.13	-4.39	≤14.00	PASS

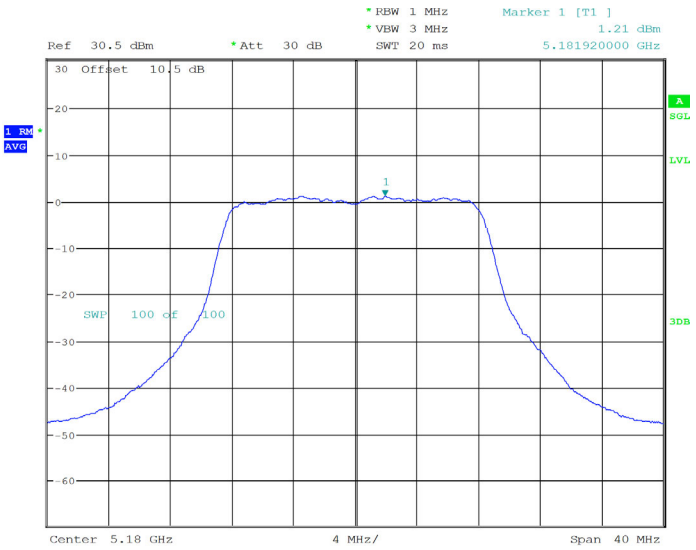
Note:
1. The maximum antenna gain is 6 dBi. The device employed Cyclic Delay Diversity (CDD) for 802.11MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power spectral density (PSD) measurements on the devices:
Array Gain = 10* log (NANT/NSS) dB.
So: Directional gain = GANT + Array Gain = 6 +10*log (2/1) =9.00dBi ＞6dBi, so power spectral density limit was reduced 3dB.
2. Maximum Power Spectral Density=reading+ duty cycle factor.

Test Mode	Channel (MHz)	Maximum Power Spectral Density (dBm/500kHz)			Limit (dBm/500kHz)	Verdict
		Chain 0	Chain 1	Total		
802.11a	5745	6.15	7.5	/	≤30.00	PASS
	5785	7.65	8.1	/	≤30.00	PASS
	5825	6.98	8.19	/	≤30.00	PASS
802.11n-HT20	5745	-2.47	0.14	2.04	≤27.00	PASS
	5785	-1.71	0.33	2.44	≤27.00	PASS
	5825	-1.92	0.36	2.38	≤27.00	PASS
802.11n-HT40	5755	-4.35	-2.16	-0.11	≤27.00	PASS
	5795	-3.87	-1.68	0.37	≤27.00	PASS
802.11ac-VHT20	5745	-2.61	0	1.90	≤27.00	PASS
	5785	-1.96	0.57	2.50	≤27.00	PASS
	5825	-1.56	0.49	2.60	≤27.00	PASS
802.11ac-VHT40	5755	-4.51	-2.24	-0.22	≤27.00	PASS
	5795	-4.19	-1.98	0.06	≤27.00	PASS
802.11ac-VHT80	5775	-7.63	-5.42	-3.38	≤27.00	PASS

Note:
1. The maximum antenna gain is 6 dBi. The device employed Cyclic Delay Diversity (CDD) for 802.11MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power spectral density (PSD) measurements on the devices:
Array Gain = 10* log (NANT/NSS) dB.
So: Directional gain = GANT + Array Gain = 6 +10*log (2/1) =9.00dBi ＞6dBi, so power spectral density limit was reduced 3dB.
2. Maximum Power Spectral Density=reading+ duty cycle factor.

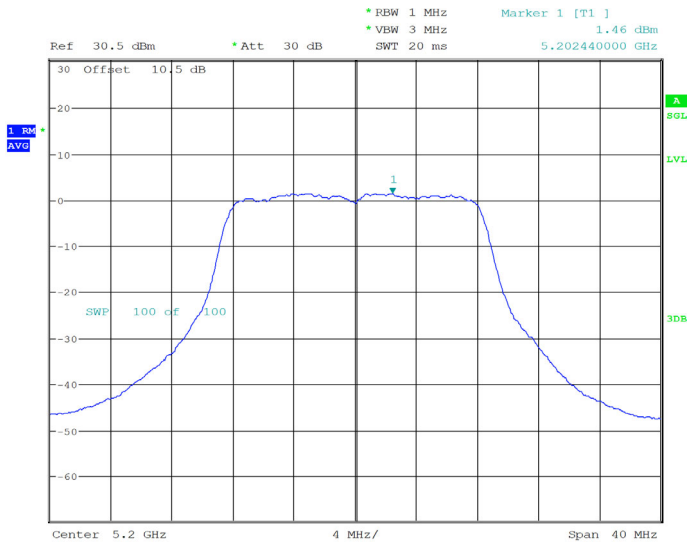
Chain 0:
5150MHz-5250 MHz Band:

802.11a mode, Power spectral density-5180MHz



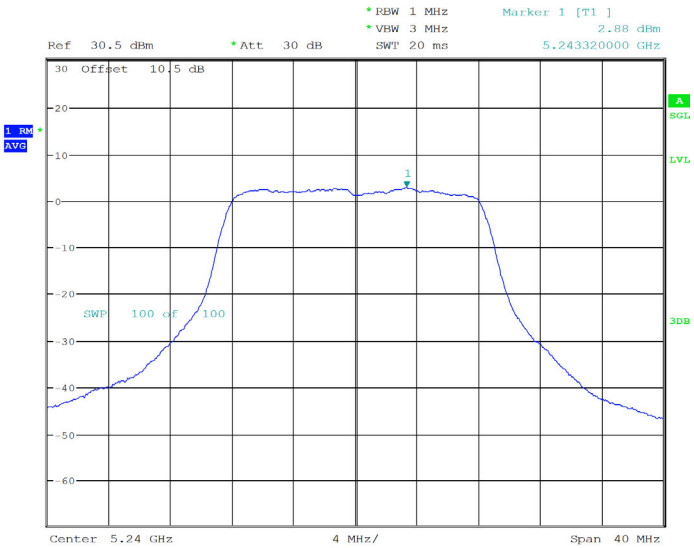
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 18.APR.2024 17:00:28

802.11a mode, Power spectral density-5200MHz



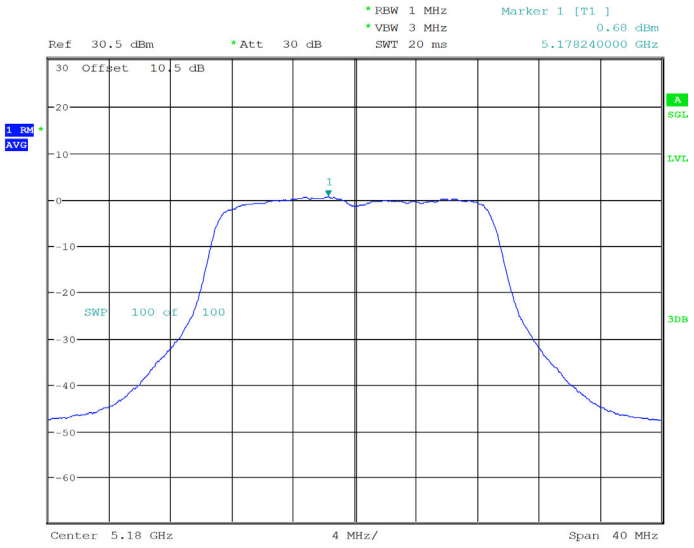
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 18.APR.2024 17:04:46

802.11a mode, Power spectral density-5240MHz



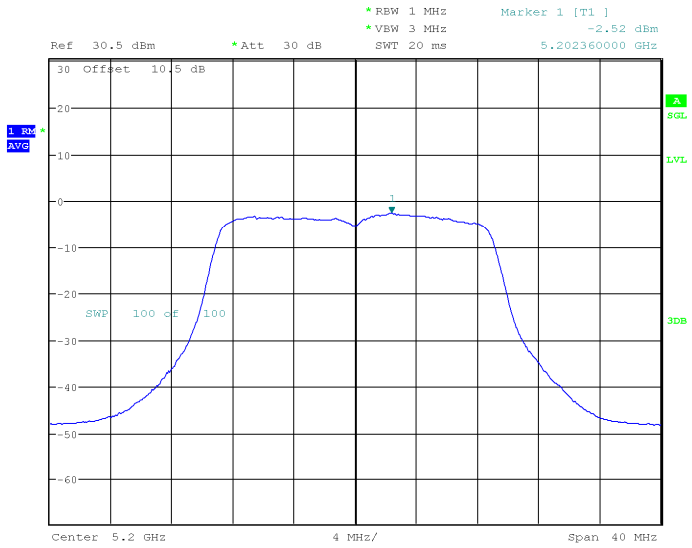
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 18.APR.2024 17:10:47

802.11ac20 mode, Power spectral density-5180MHz



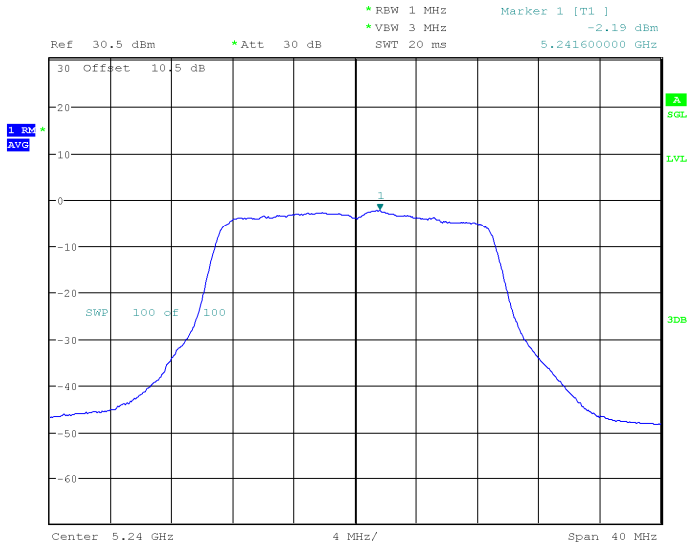
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 18.APR.2024 17:45:20

802.11 ac20 mode, Power spectral density-5200MHz



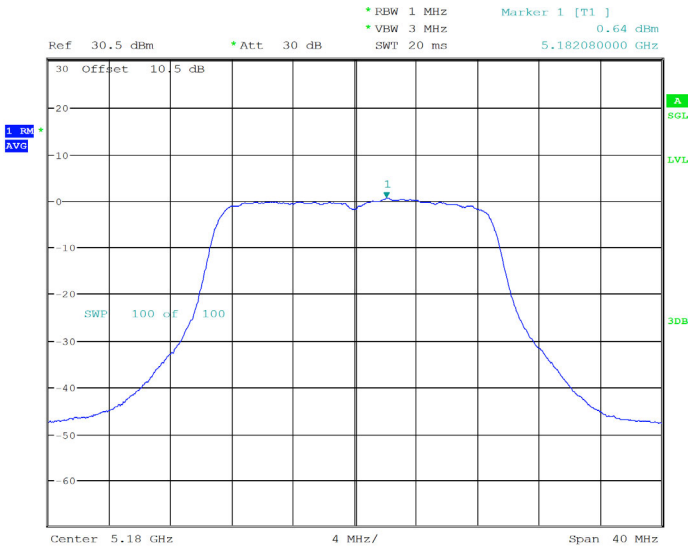
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 20.APR.2024 17:40:59

802.11 ac20 mode, Power spectral density-5240MHz



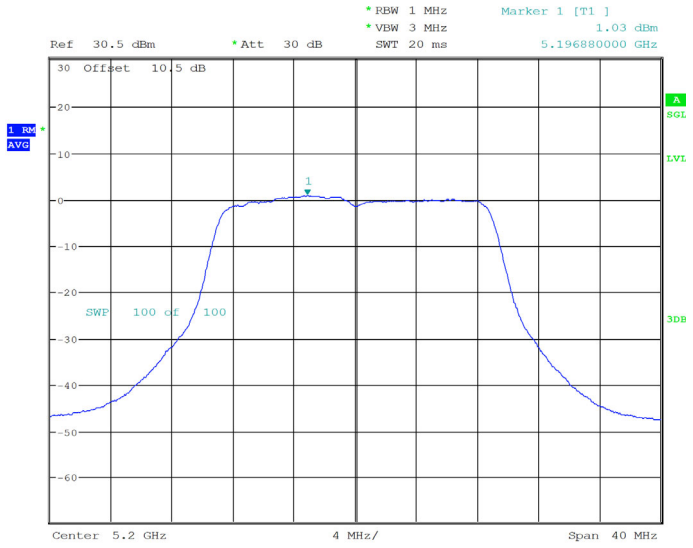
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 22.APR.2024 09:22:33

802.11n-HT20 mode, Power spectral density-5180MHz



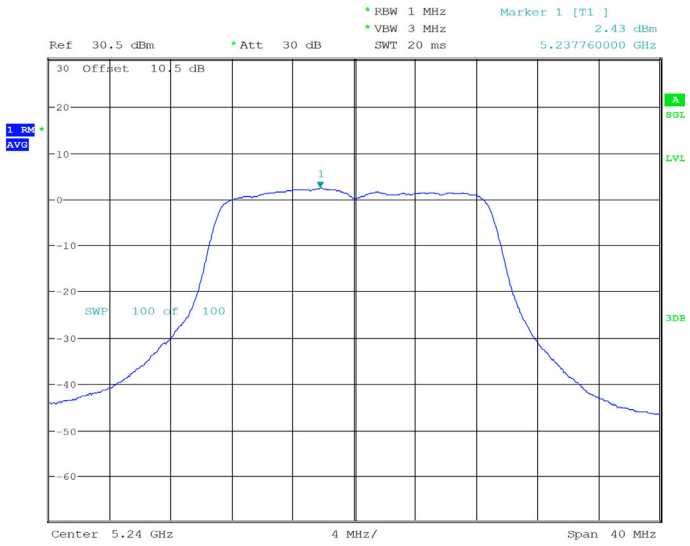
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 18.APR.2024 17:17:09

802.11n-HT20 mode, Power spectral density-5200MHz



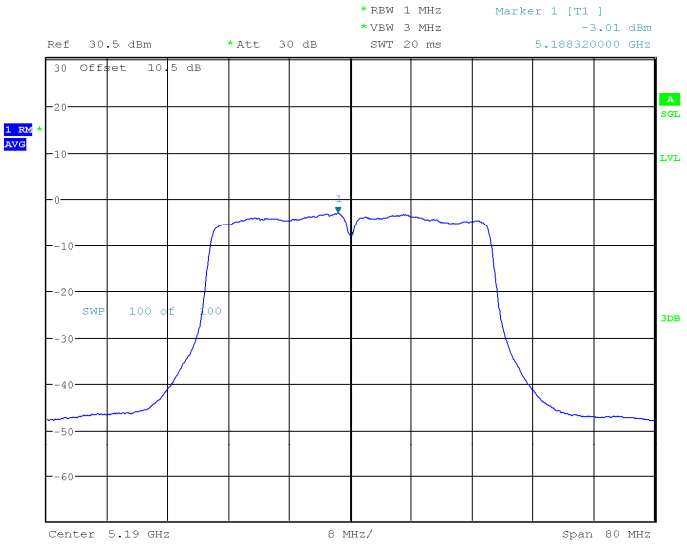
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 18.APR.2024 17:19:48

802.11n-HT20 mode, Power spectral density-5240MHz



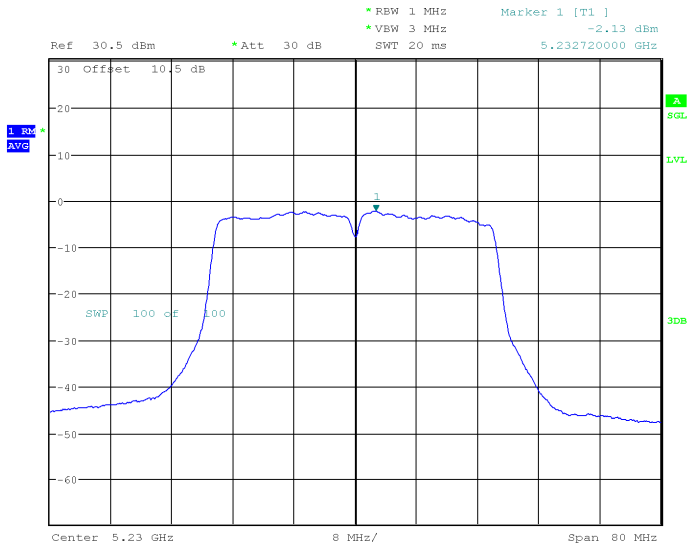
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 18.APR.2024 17:31:53

802.11ac40 mode, Power spectral density-5190MHz



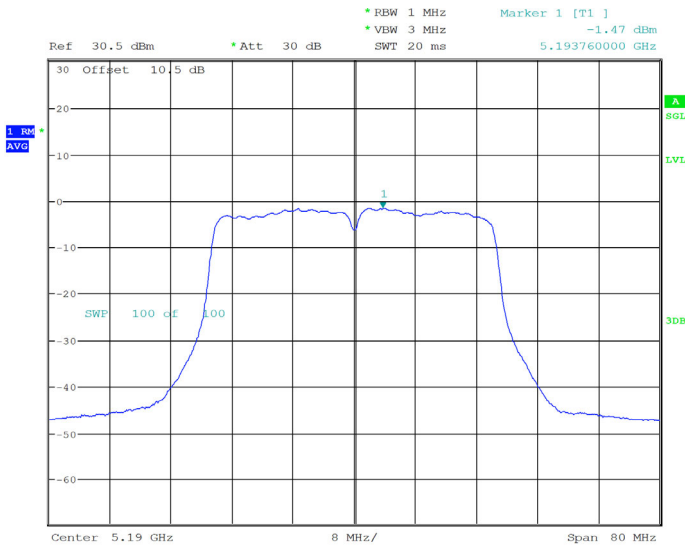
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 09:43:25

802.11 ac40 mode, Power spectral density-5230MHz



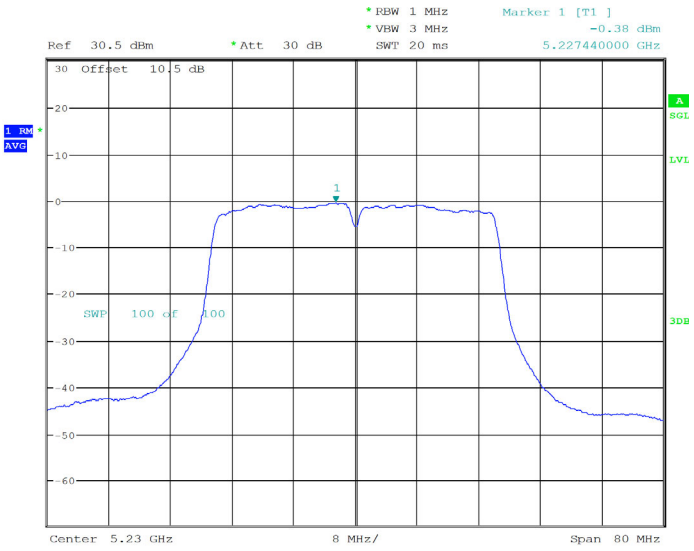
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 09:51:40

802.11n-HT40 mode, Power spectral density-5190MHz



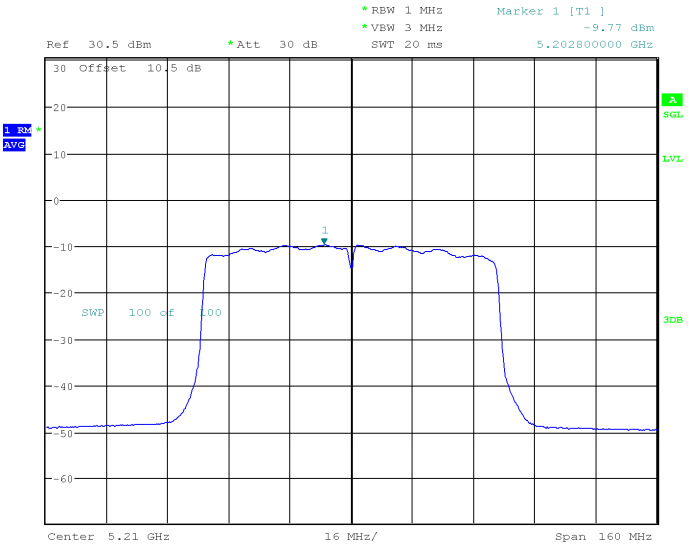
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 18.APR.2024 17:35:14

802.11n-HT40 mode, Power spectral density-5230MHz



ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 18.APR.2024 17:38:24

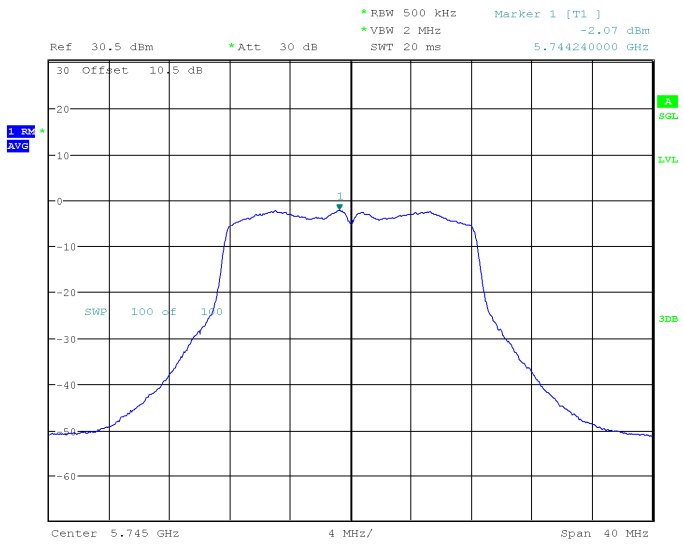
802.11 ac80 mode, Power spectral density-5210MHz



ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 09:25:41

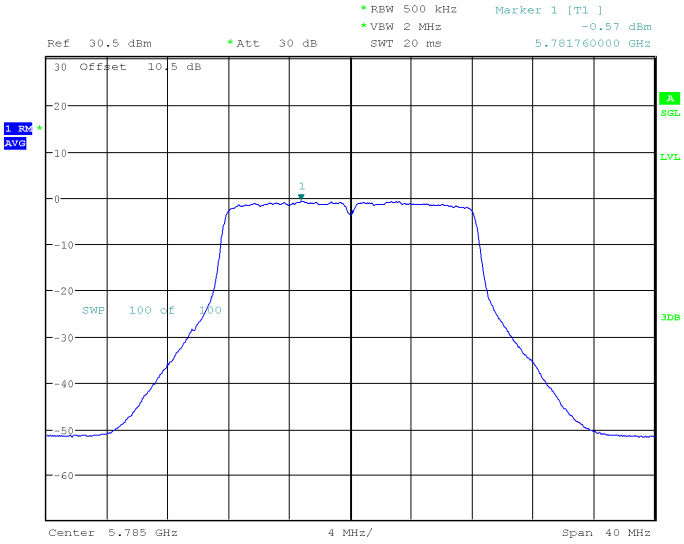
5725MHz-5850 MHz Band:

802.11a mode, Power spectral density-5745MHz



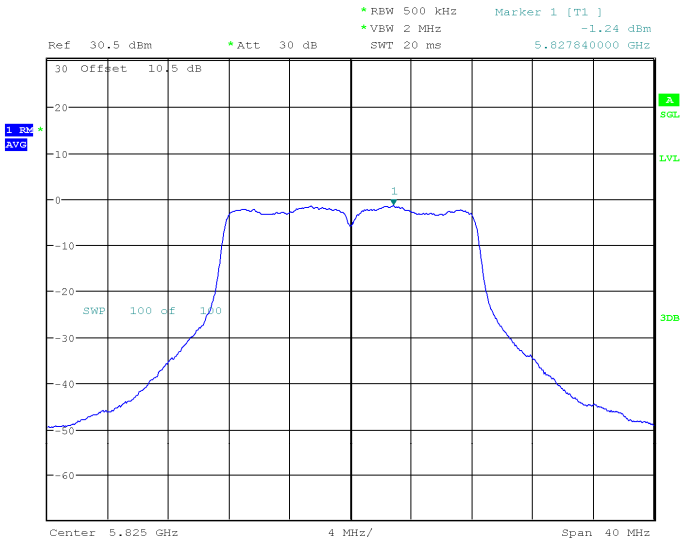
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 09:30:16

802.11a mode, Power spectral density-5785MHz



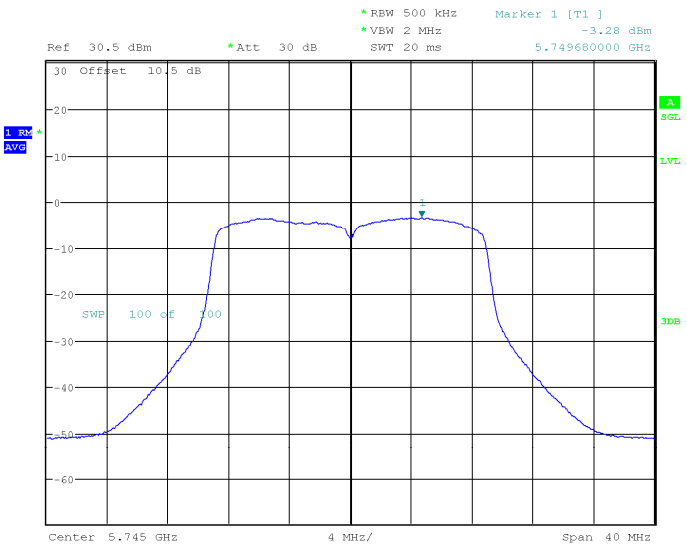
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 5.JUN.2024 20:06:23

802.11a mode, Power spectral density-5825MHz



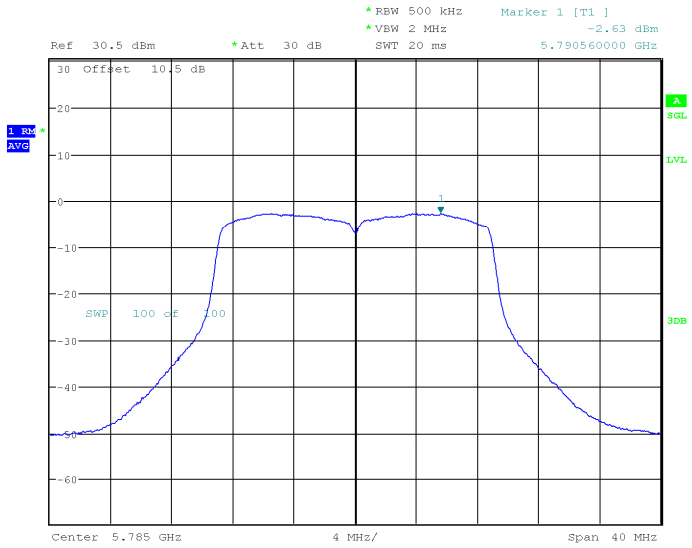
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 09:55:54

802.11ac20 mode, Power spectral density-5745MHz



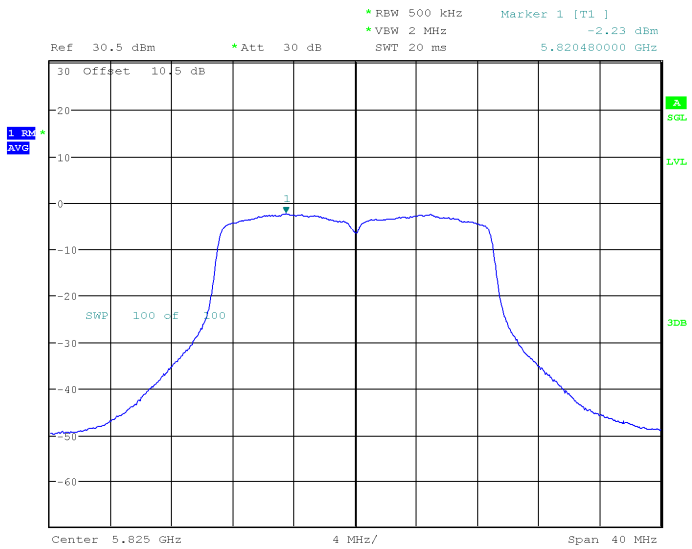
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 10:10:18

802.11 ac20 mode, Power spectral density-5785MHz



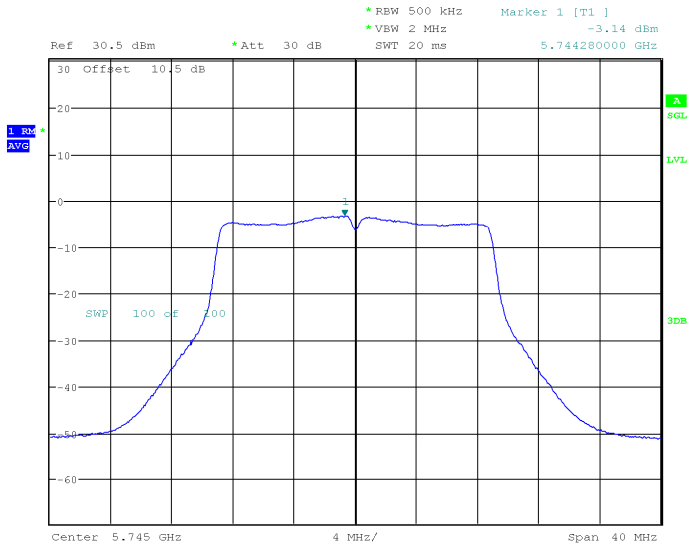
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 10:12:01

802.11 ac20 mode, Power spectral density-5825MHz



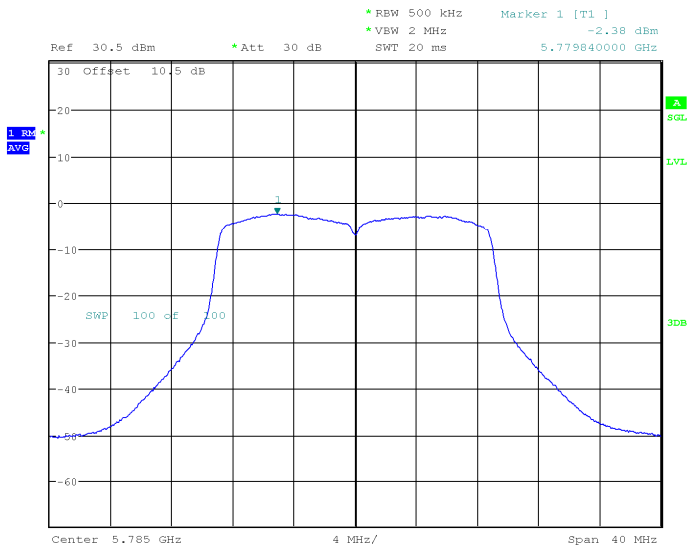
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 10:14:00

802.11n-HT20 mode, Power spectral density-5745MHz



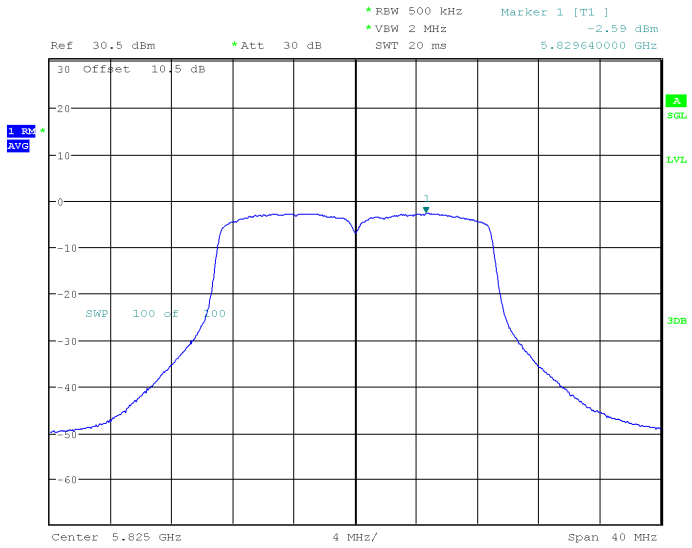
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 09:58:20

802.11n-HT20 mode, Power spectral density-5785MHz



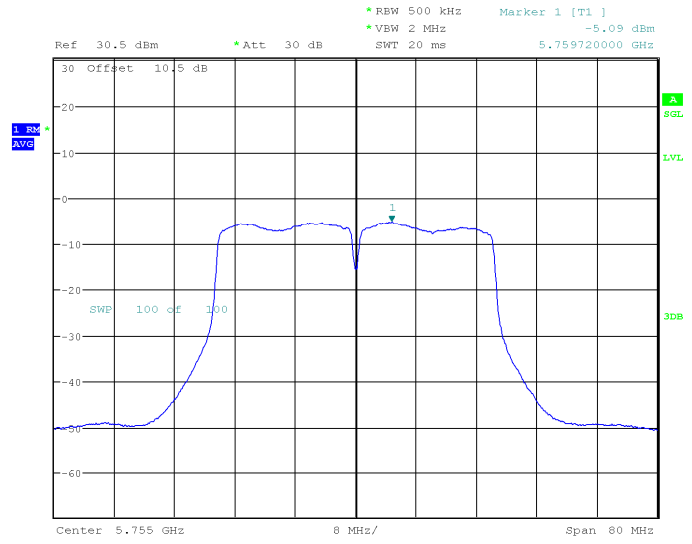
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 10:00:03

802.11n-HT20 mode, Power spectral density-5825MHz



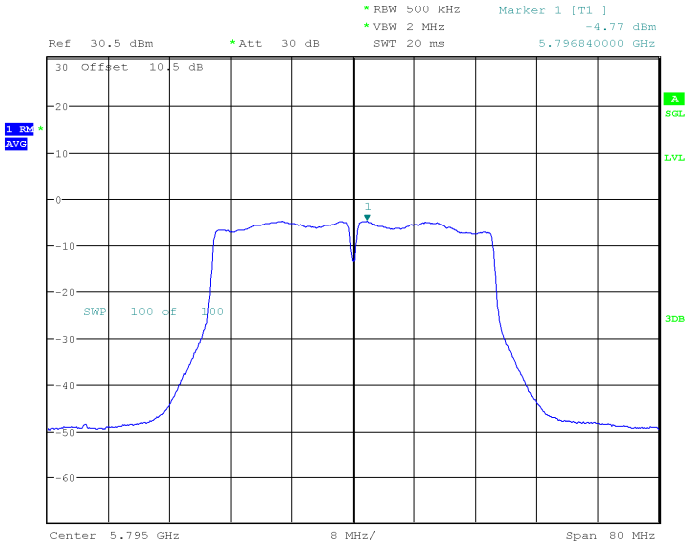
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 10:01:46

802.11ac40 mode, Power spectral density-5755MHz



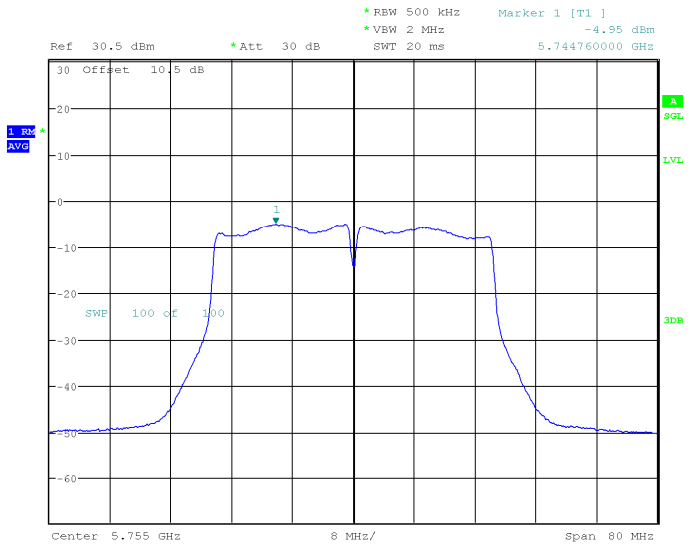
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 10:16:45

802.11 ac40 mode, Power spectral density-5795MHz



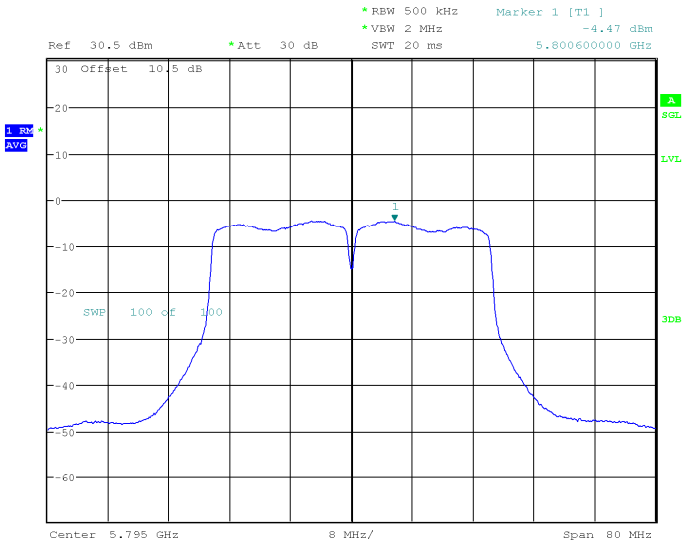
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 10:19:16

802.11n-HT40 mode, Power spectral density-5755MHz



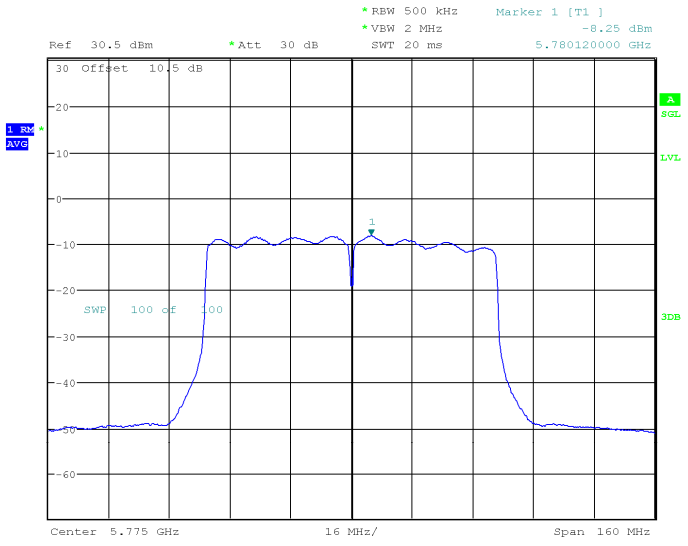
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 10:05:05

802.11n-HT40 mode, Power spectral density-5795MHz



ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 10:08:22

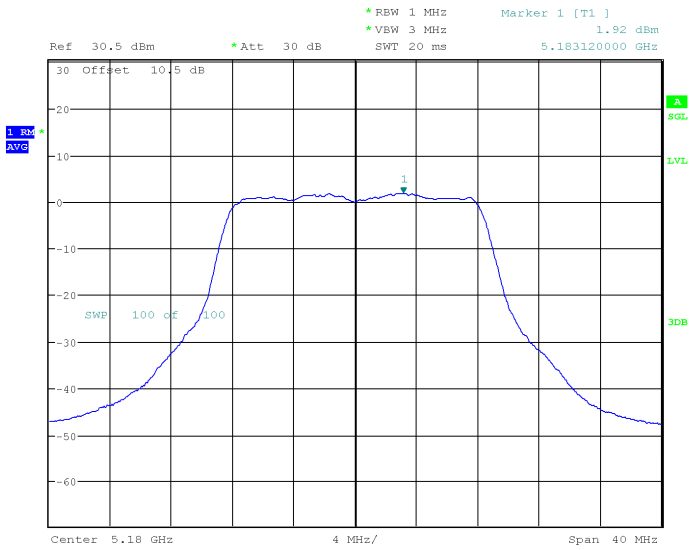
802.11 ac80 mode, Power spectral density-5775MHz



ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 10:22:29

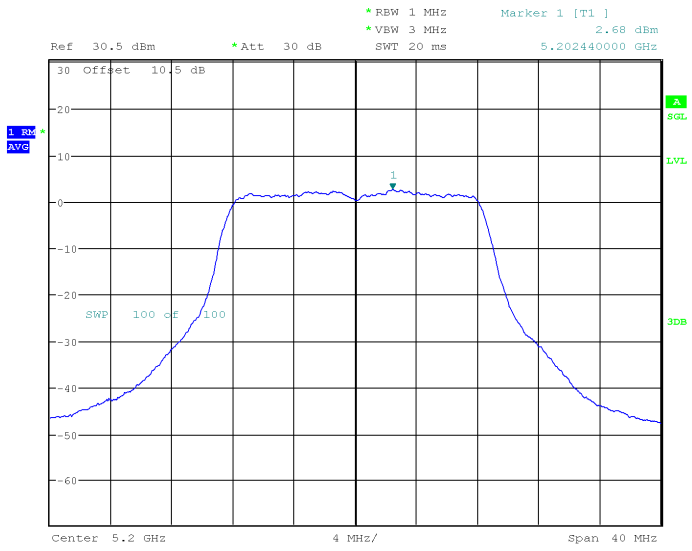
Chain 1:
5150MHz-5250 MHz Band:

802.11a mode, Power spectral density-5180MHz



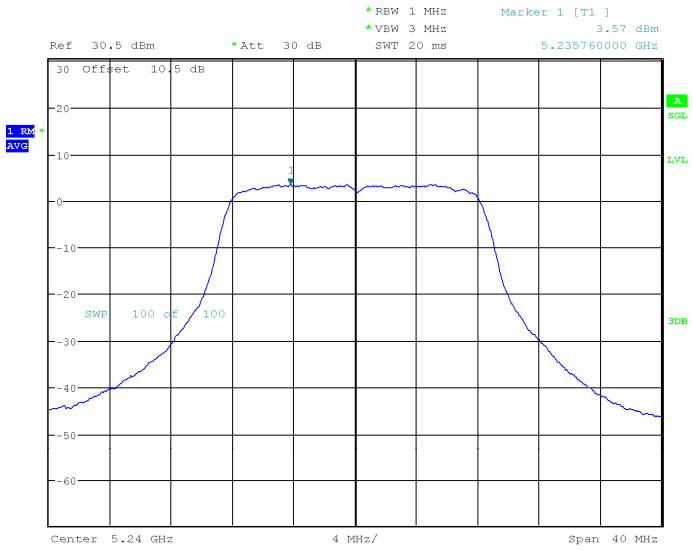
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 16:03:12

802.11a mode, Power spectral density-5200MHz



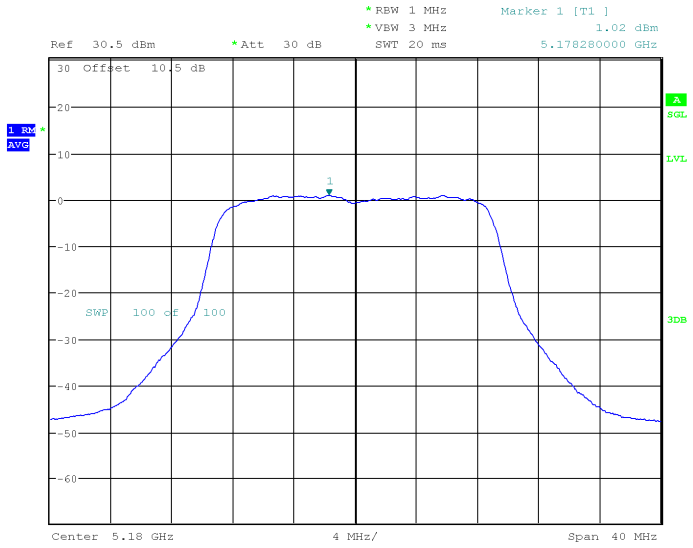
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 16:12:45

802.11a mode, Power spectral density-5240MHz



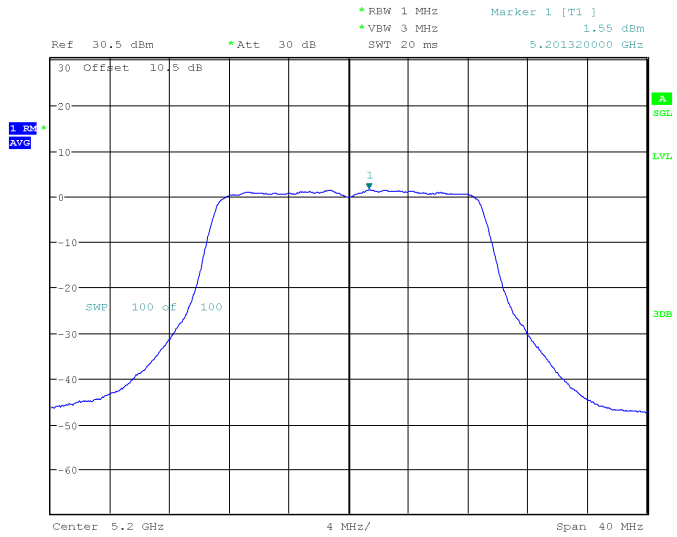
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 16:20:29

802.11ac20 mode, Power spectral density-5180MHz



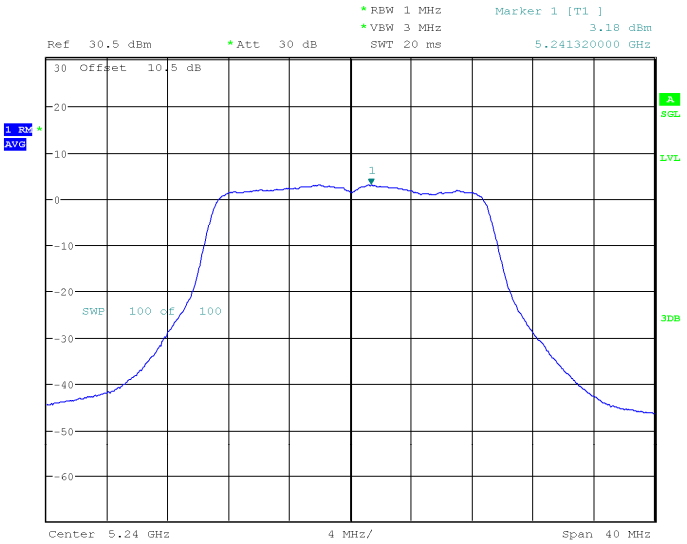
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 16:53:56

802.11 ac20 mode, Power spectral density-5200MHz



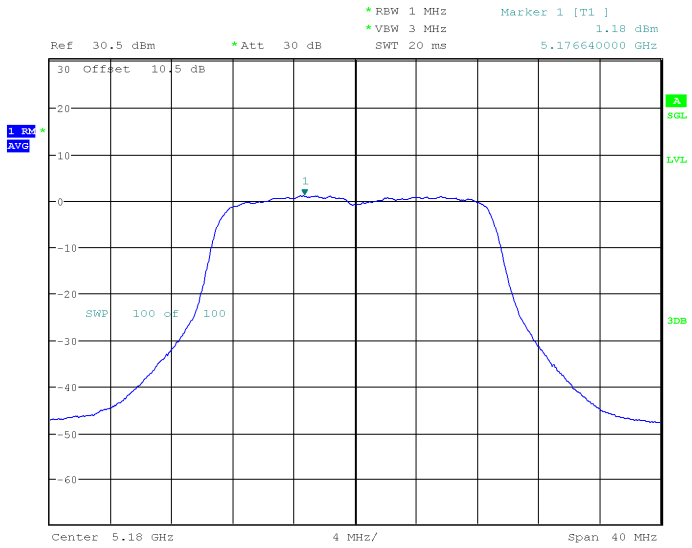
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 16:59:20

802.11 ac20 mode, Power spectral density-5240MHz



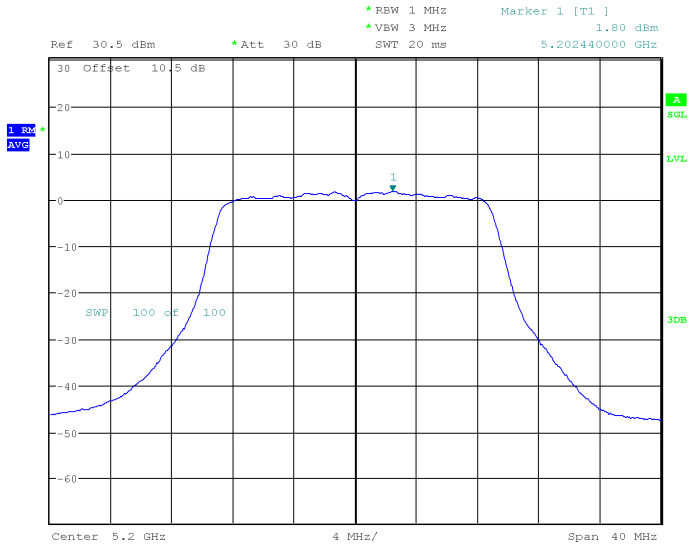
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 17:04:50

802.11n-HT20 mode, Power spectral density-5180MHz



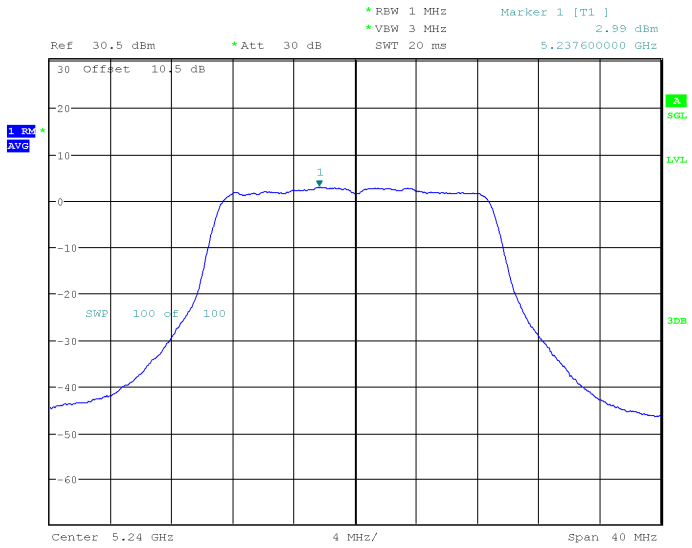
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 16:26:06

802.11n-HT20 mode, Power spectral density-5200MHz



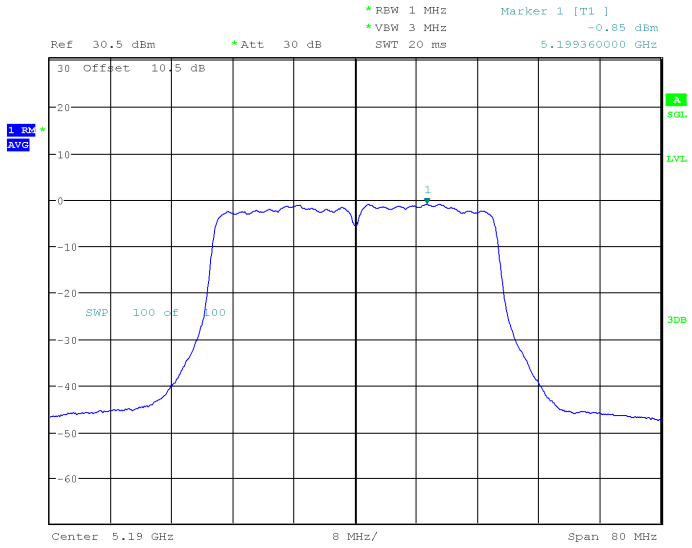
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 16:31:21

802.11n-HT20 mode, Power spectral density-5240MHz



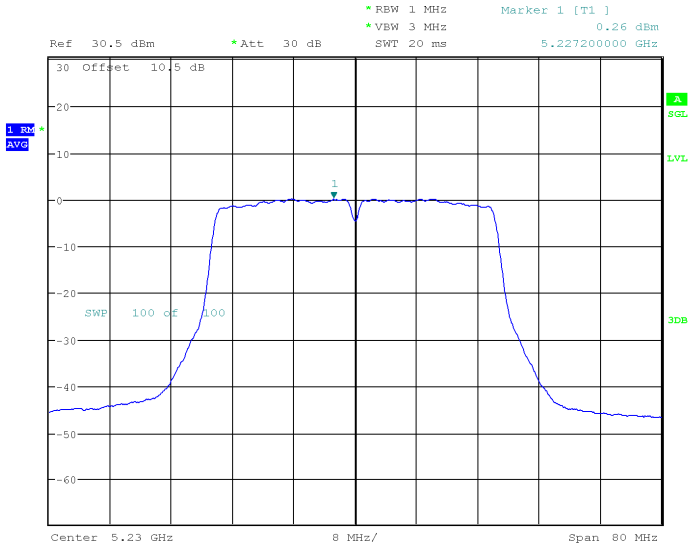
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 16:37:50

802.11ac40 mode, Power spectral density-5190MHz



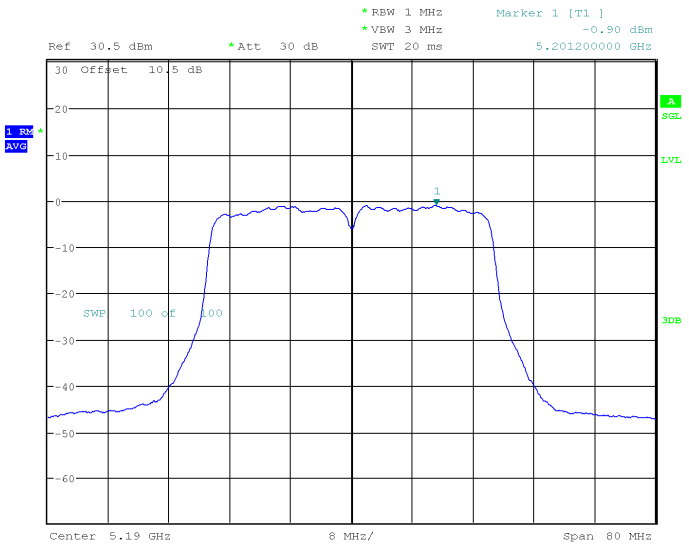
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 17:10:15

802.11 ac40 mode, Power spectral density-5230MHz



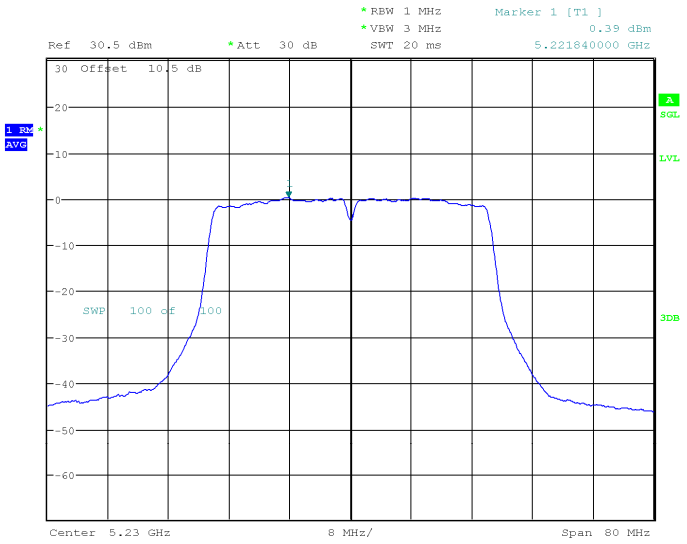
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 17:15:48

802.11n-HT40 mode, Power spectral density-5190MHz



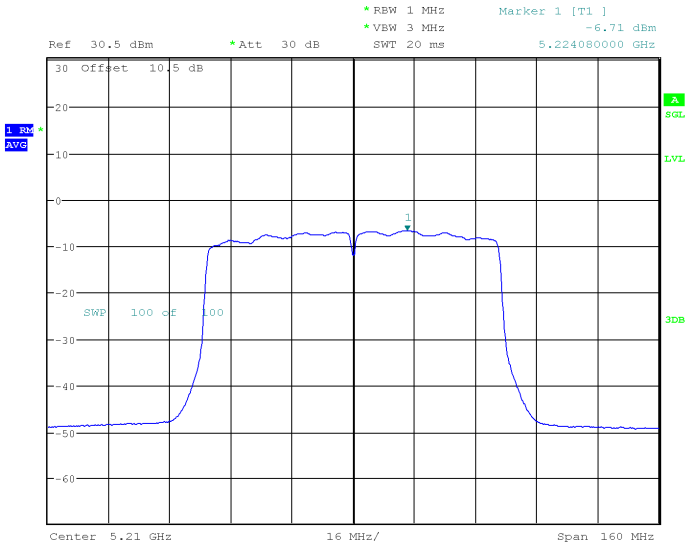
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 16:42:59

802.11n-HT40 mode, Power spectral density-5230MHz



ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 16:48:32

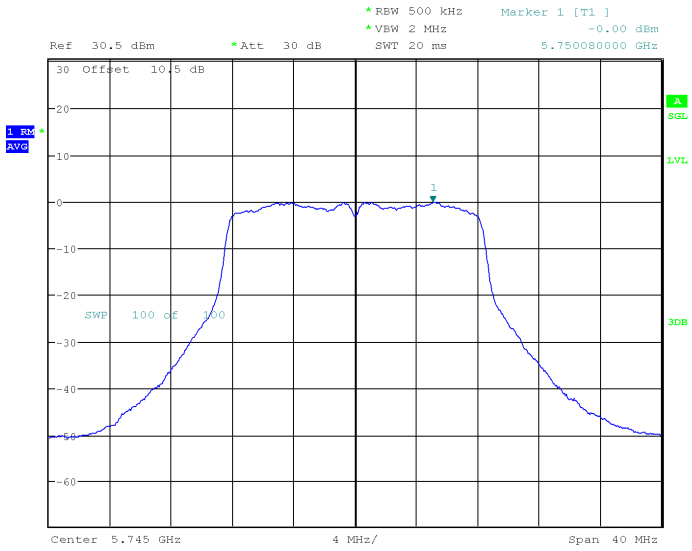
802.11 ac80 mode, Power spectral density-5210MHz



ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 17:22:30

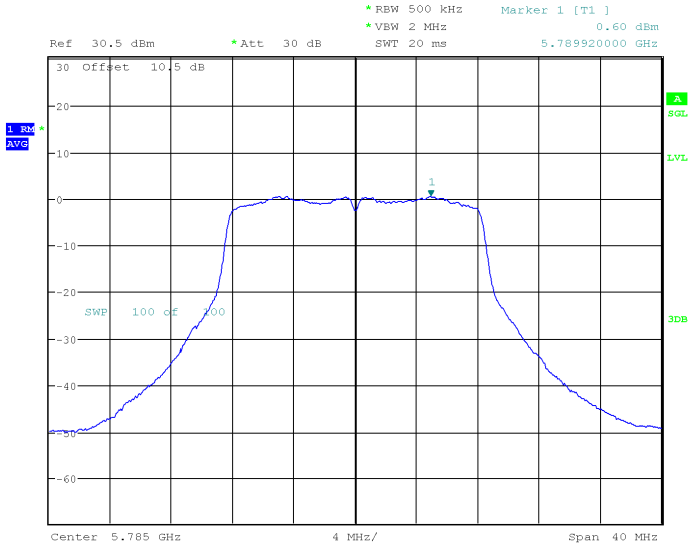
5725MHz-5850 MHz Band:

802.11a mode, Power spectral density-5745MHz



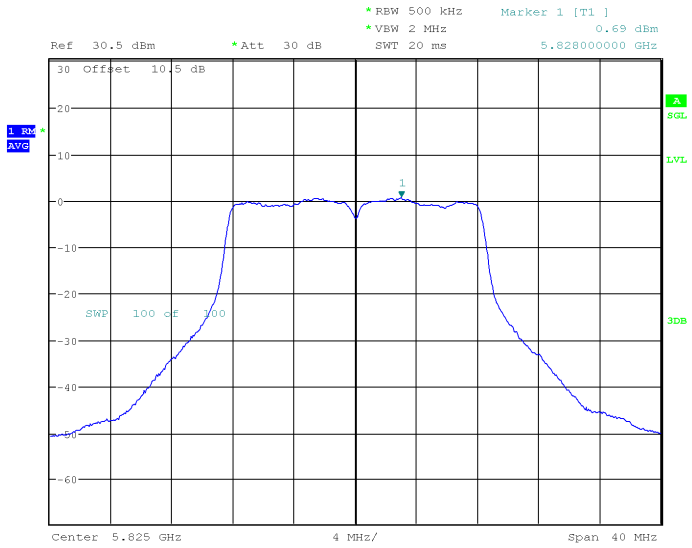
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 17:28:12

802.11a mode, Power spectral density-5785MHz



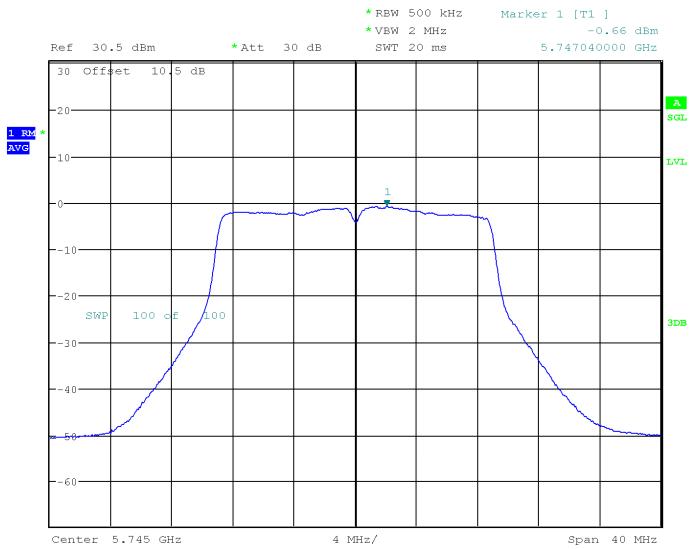
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 17:32:54

802.11a mode, Power spectral density-5825MHz



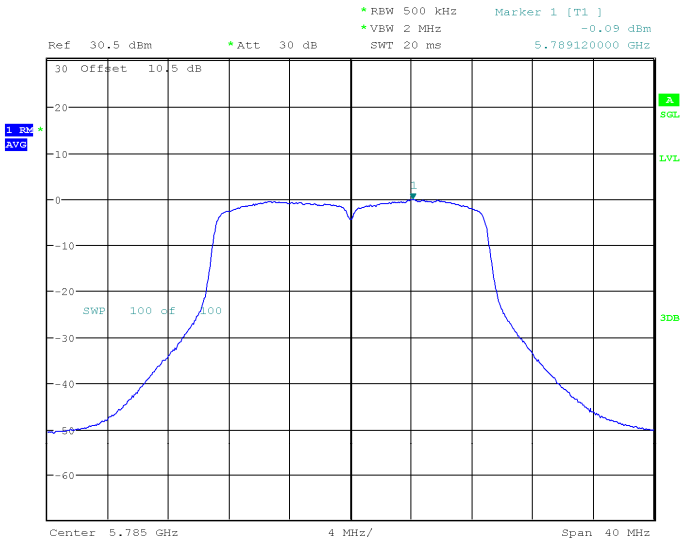
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 17:38:35

802.11ac20 mode, Power spectral density-5745MHz



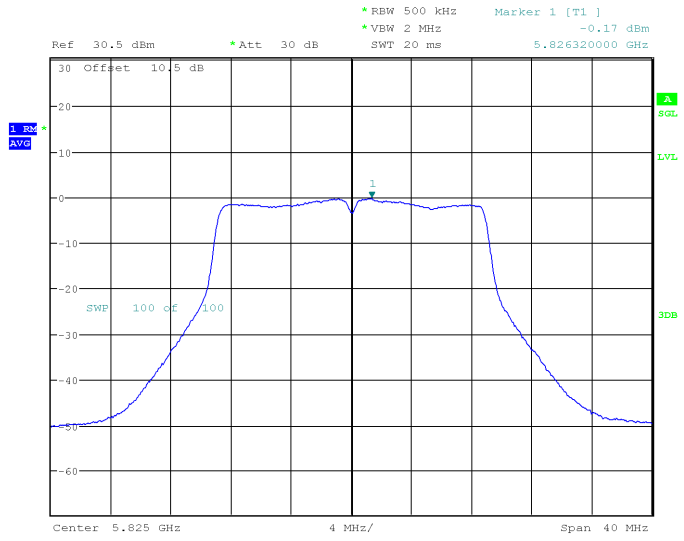
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 24.APR.2024 19:16:06

802.11 ac20 mode, Power spectral density-5785MHz



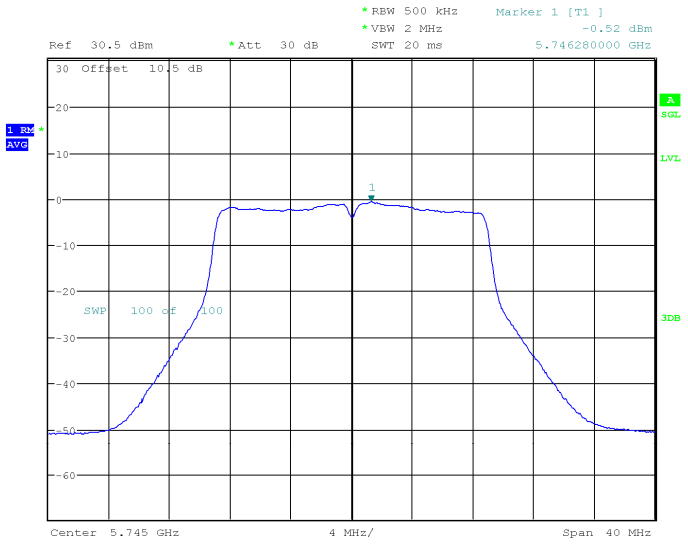
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 24.APR.2024 19:20:54

802.11 ac20 mode, Power spectral density-5825MHz



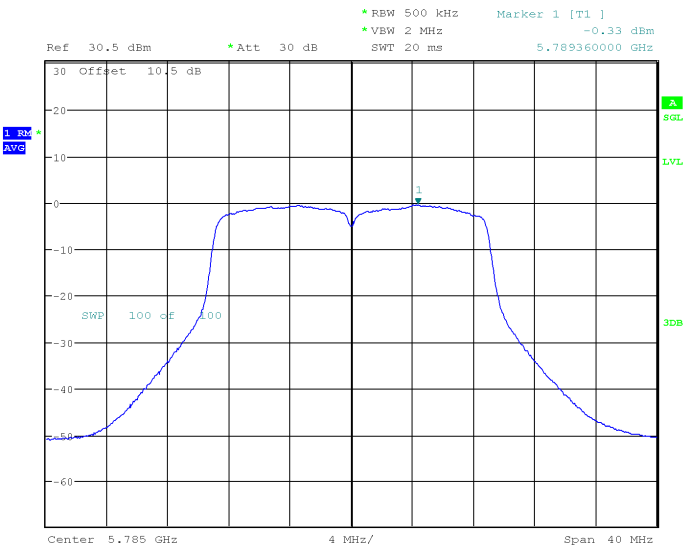
ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 24.APR.2024 19:25:57

802.11n-HT20 mode, Power spectral density-5745MHz



ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 23.APR.2024 18:06:35

802.11n-HT20 mode, Power spectral density-5785MHz



ProjectNo.:RKSA240228002 Tester:Jay Liu
Date: 24.APR.2024 18:07:16