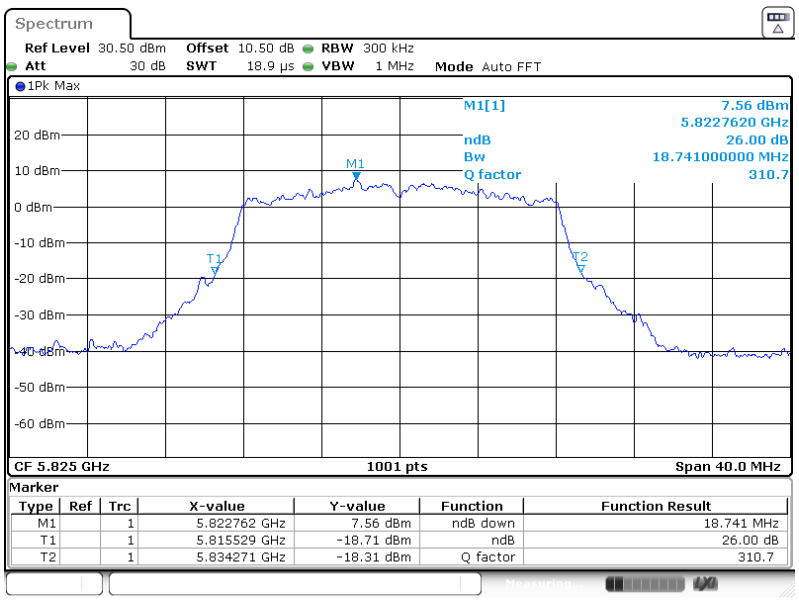
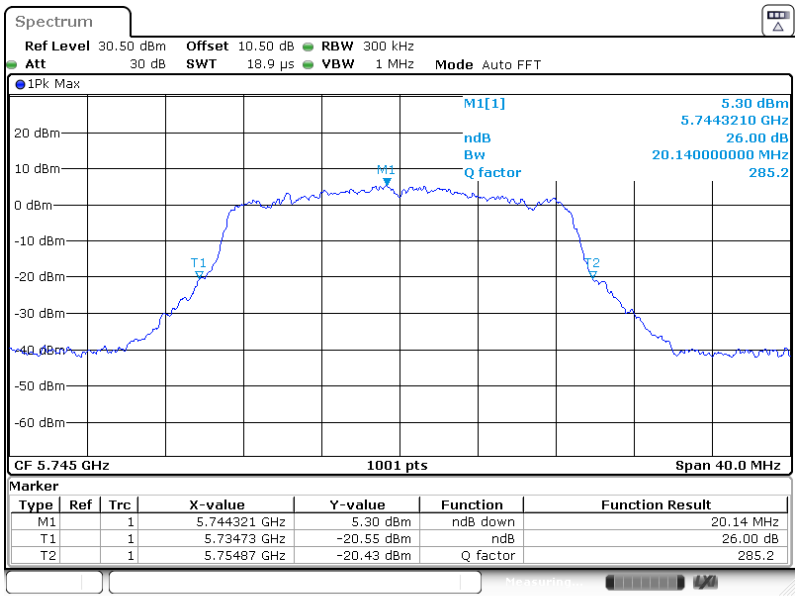
802.11a mode, 5825MHz



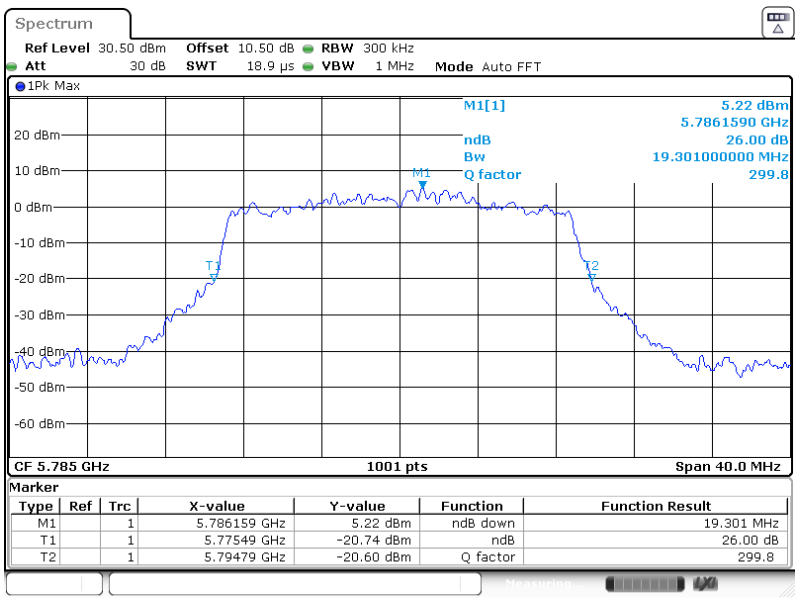
Project No.:RKSA240119004 Tester:Bard Liu
Date: 29.MAY.2024 19:37:03

802.11ac20 mode, 5745MHz



Project No.:RKSA240119004 Tester:Bard Liu
Date: 29.MAY.2024 19:40:38

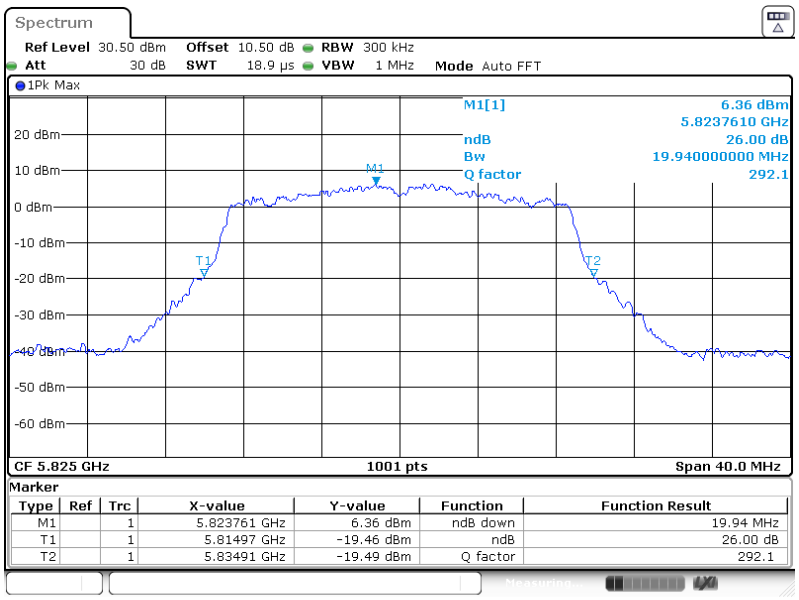
802.11 ac20 mode, 5785MHz



Project No.:RKSA240119004 Tester:Bard Liu

Date: 29.MAY.2024 19:42:08

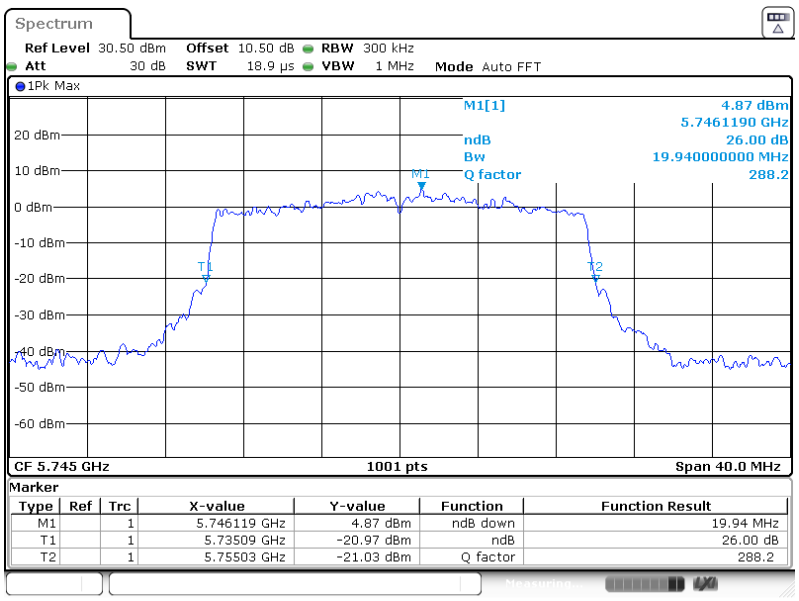
802.11 ac20 mode, 5825MHz



Project No.:RKSA240119004 Tester:Bard Liu

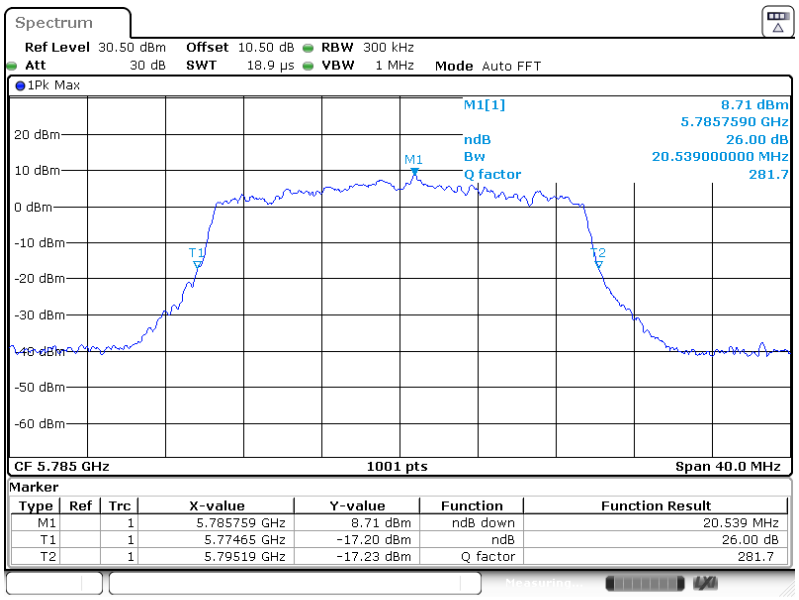
Date: 29.MAY.2024 19:44:15

802.11 ax20 mode, 5745MHz



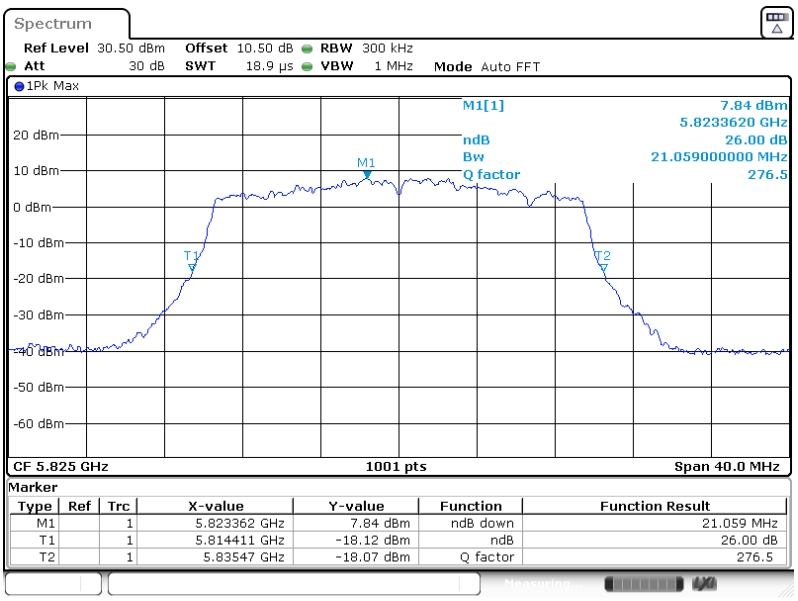
Project No.:RKSA240119004 Tester:Bard Liu
Date: 29.MAY.2024 19:48:08

802.11 ax20 mode, 5785MHz



Project No.:RKSA240119004 Tester:Bard Liu
Date: 29.MAY.2024 19:55:50

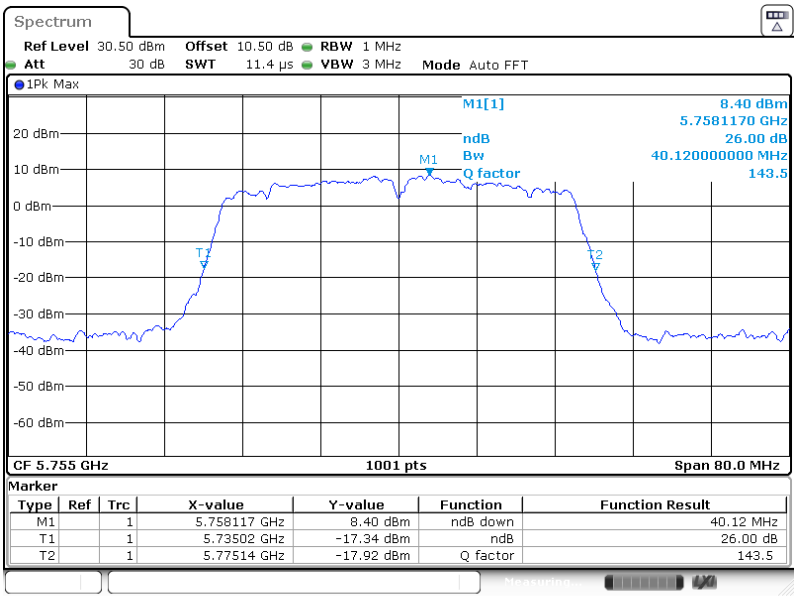
802.11 ax20 mode, 5825MHz



Project No.:RKSA240119004 Tester:Bard Liu

Date: 29.MAY.2024 19:56:24

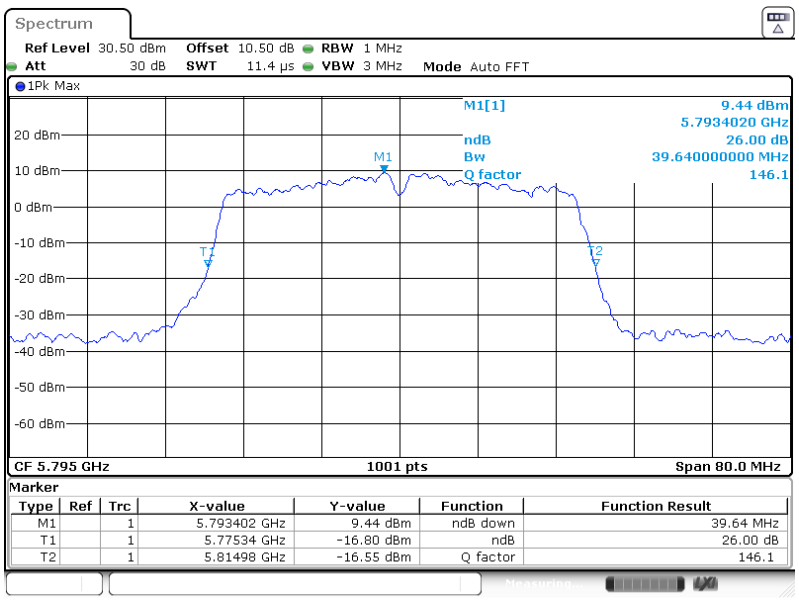
802.11ac40 mode, 5755MHz



Project No.:RKSA240119004 Tester:Bard Liu

Date: 29.MAY.2024 20:09:06

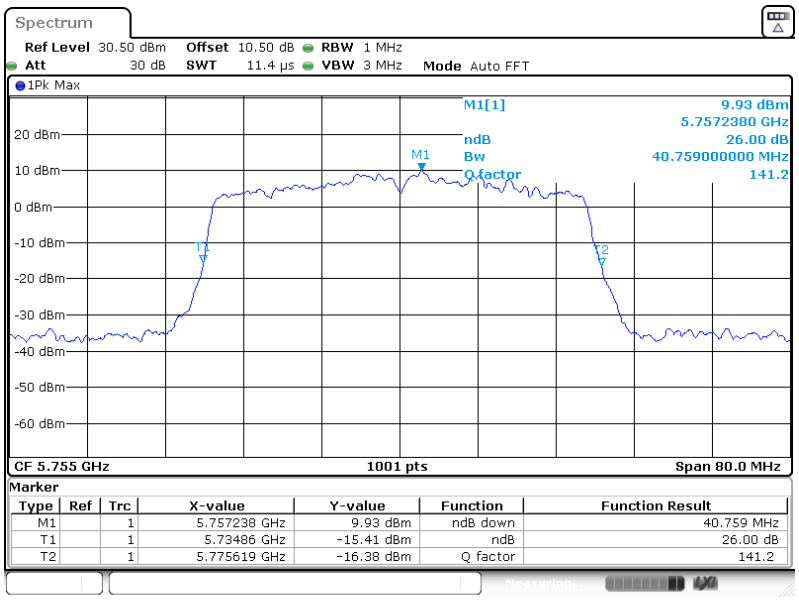
802.11 ac40 mode, 5795MHz



Project No.:RKSA240119004 Tester:Bard Liu

Date: 29.MAY.2024 20:10:00

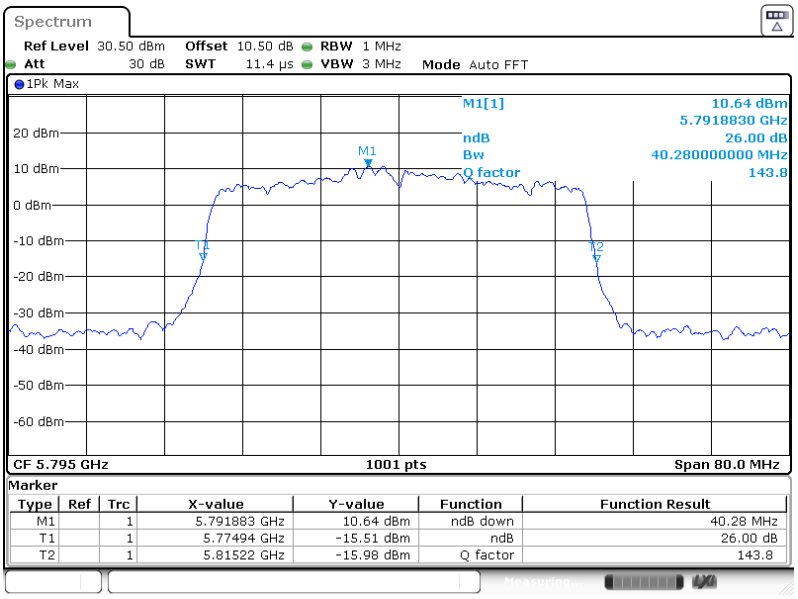
802.11 ax40 mode, 5755MHz



Project No.:RKSA240119004 Tester:Bard Liu

Date: 29.MAY.2024 20:12:32

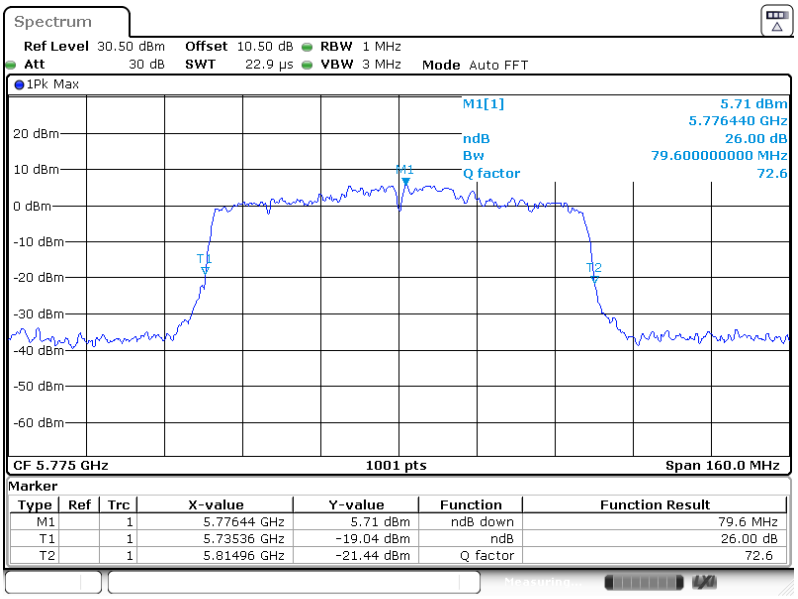
802.11 ax40 mode, 5795MHz



Project No.:RKSA240119004 Tester:Bard Liu

Date: 29.MAY.2024 20:11:57

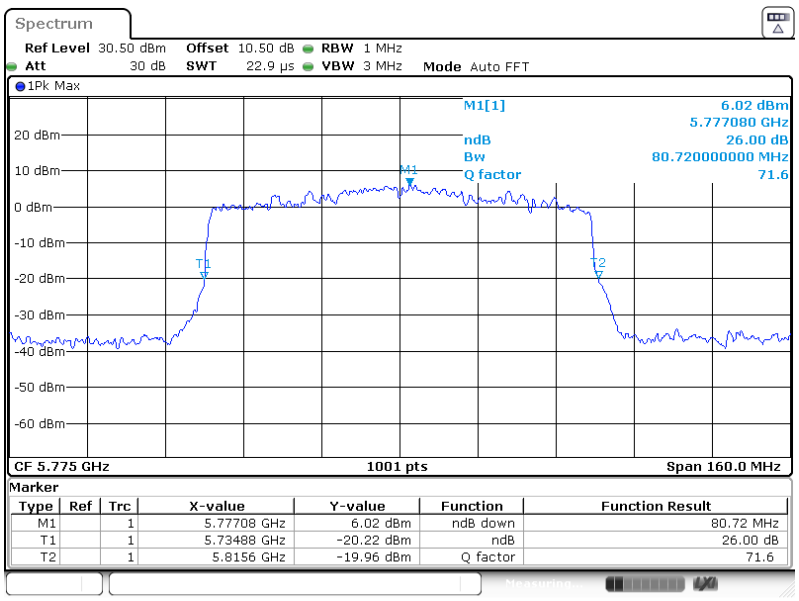
802.11 ac80 mode, 5775MHz



Project No.:RKSA240119004 Tester:Bard Liu

Date: 29.MAY.2024 20:16:03

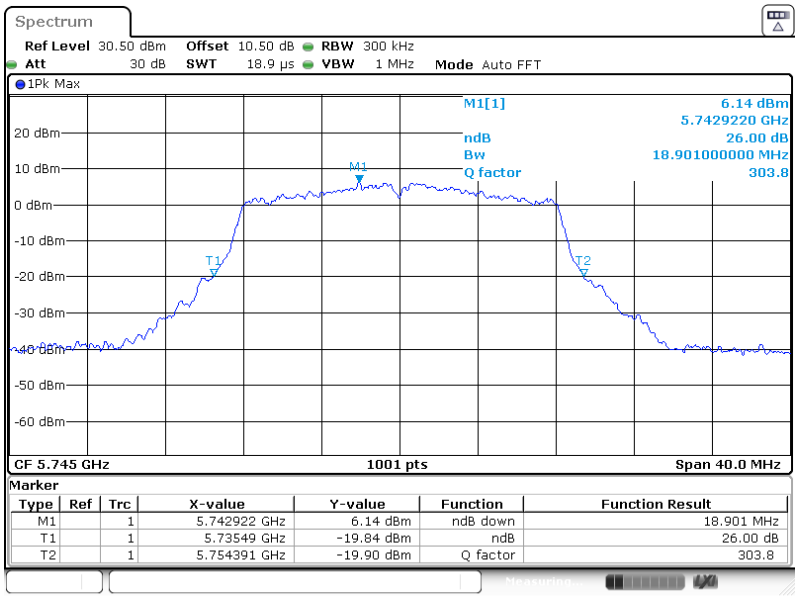
802.11 ax80 mode, 5775MHz



Project No.:RKSA240119004 Tester:Bard Liu
Date: 29.MAY.2024 20:17:10

Chain 1:

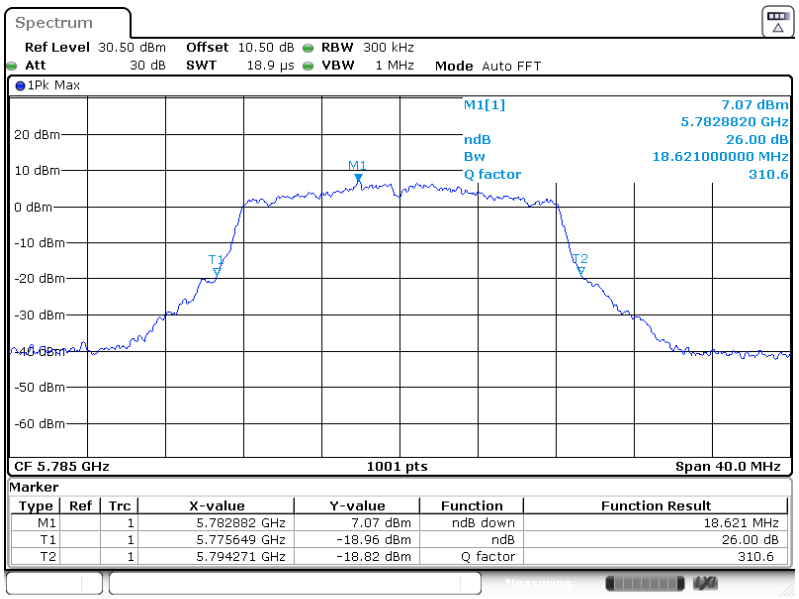
802.11a mode, 5745MHz



Project No.:RKSA240119004 Tester:Bard Liu

Date: 29.MAY.2024 19:31:08

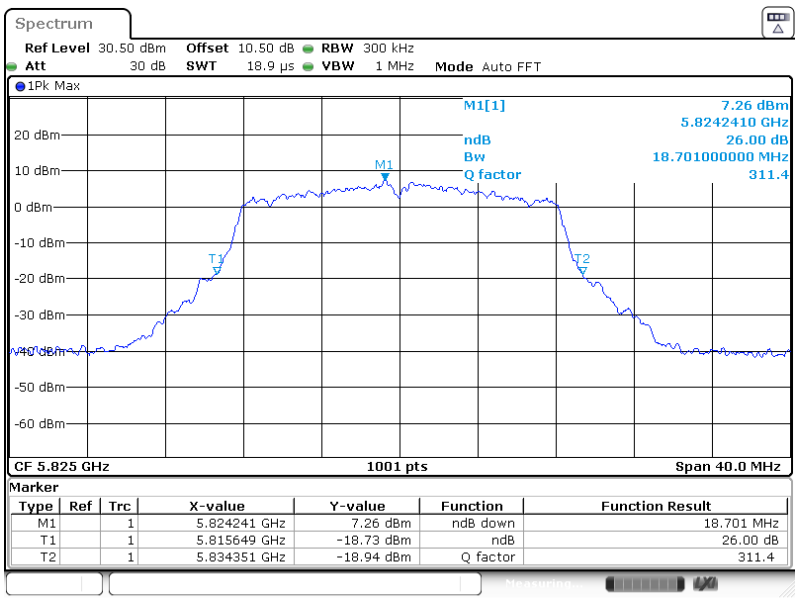
802.11a mode, 5785MHz



Project No.:RKSA240119004 Tester:Bard Liu

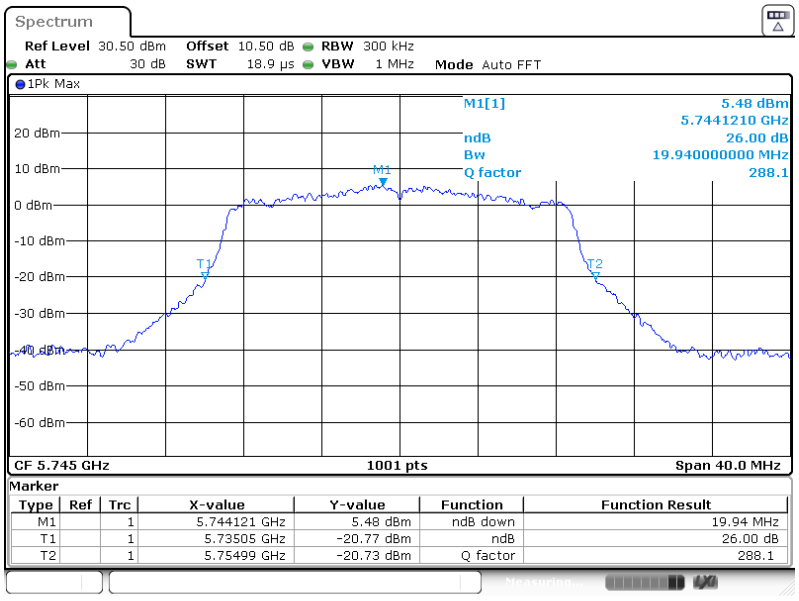
Date: 29.MAY.2024 19:31:53

802.11a mode, 5825MHz



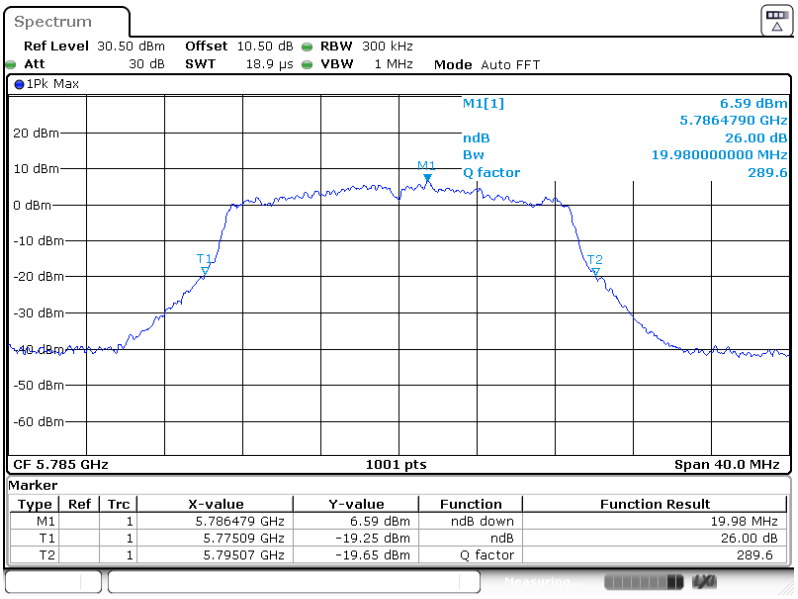
Project No.:RKSA240119004 Tester:Bard Liu
Date: 29.MAY.2024 19:37:38

802.11ac20 mode, 5745MHz



Project No.:RKSA240119004 Tester:Bard Liu
Date: 29.MAY.2024 19:39:33

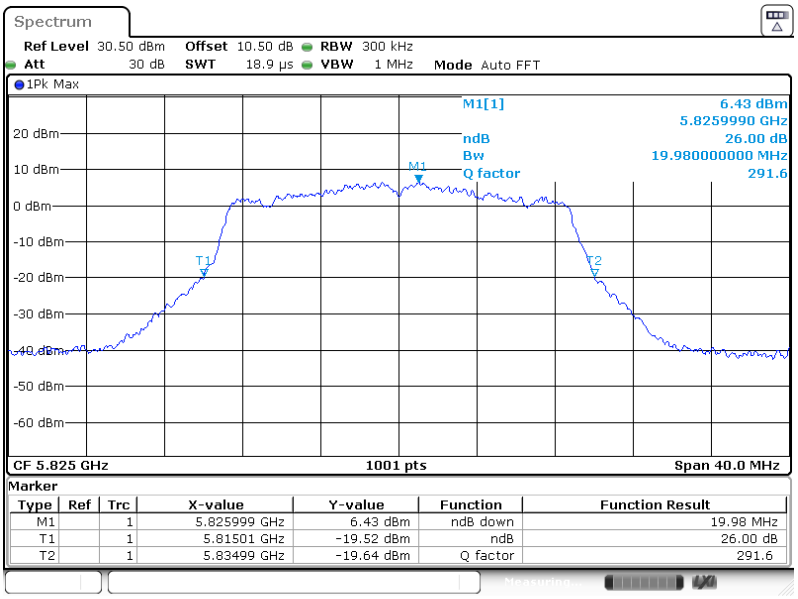
802.11 ac20 mode, 5785MHz



Project No.:RKSA240119004 Tester:Bard Liu

Date: 29.MAY.2024 19:42:54

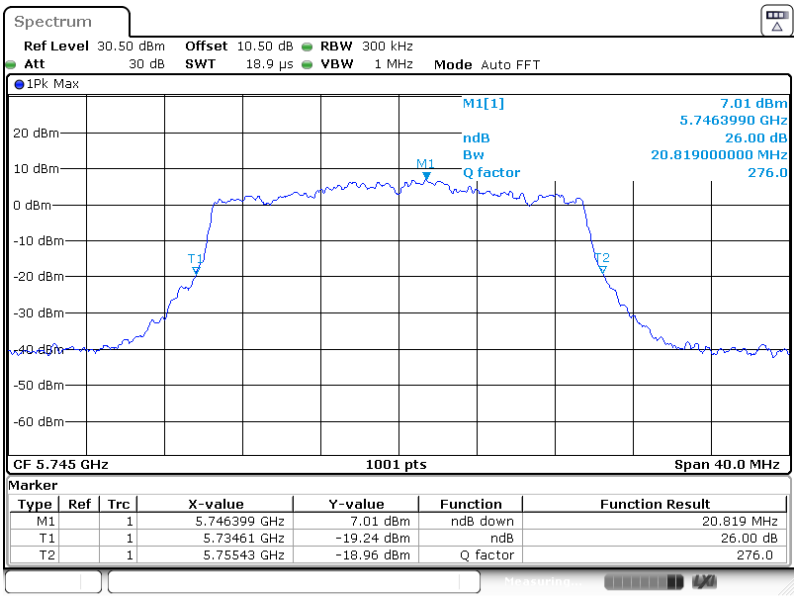
802.11 ac20 mode, 5825MHz



Project No.:RKSA240119004 Tester:Bard Liu

Date: 29.MAY.2024 19:43:30

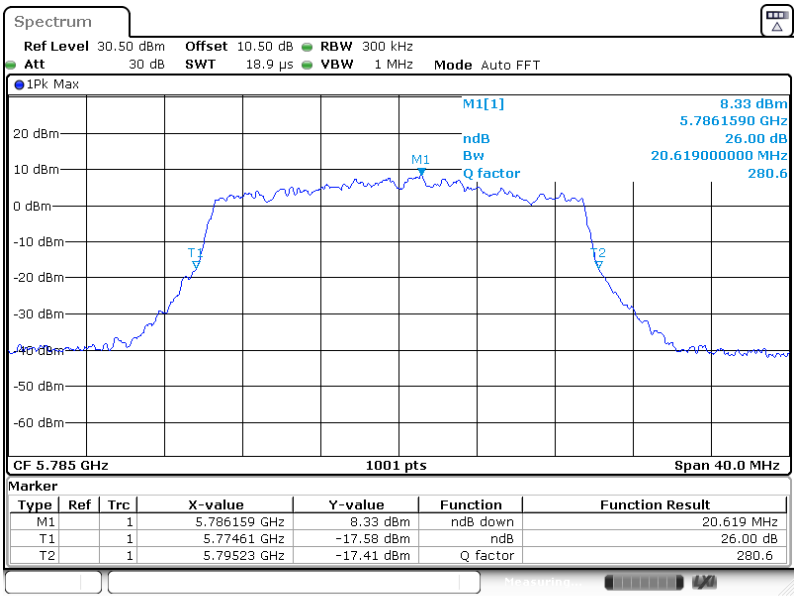
802.11 ax20 mode, 5745MHz



Project No.:RKSA240119004 Tester:Bard Liu

Date: 29.MAY.2024 19:54:29

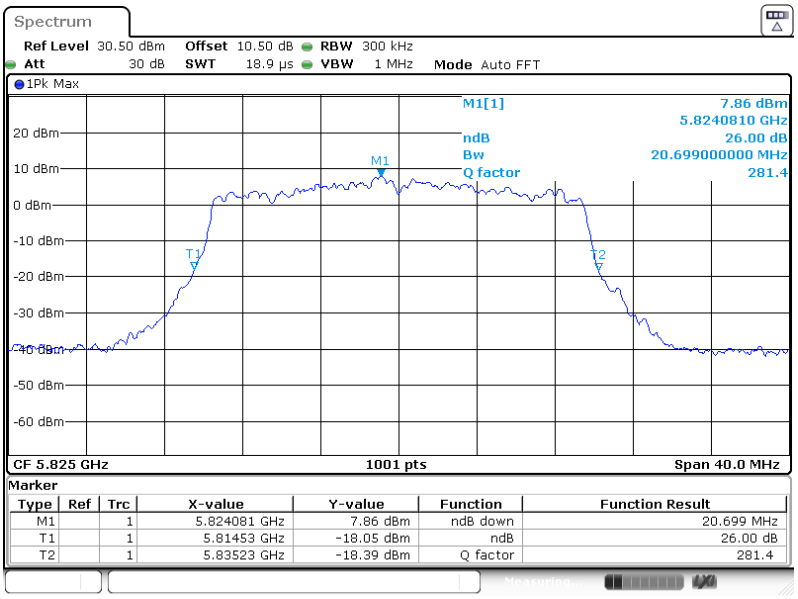
802.11 ax20 mode, 5785MHz



Project No.:RKSA240119004 Tester:Bard Liu

Date: 29.MAY.2024 19:55:07

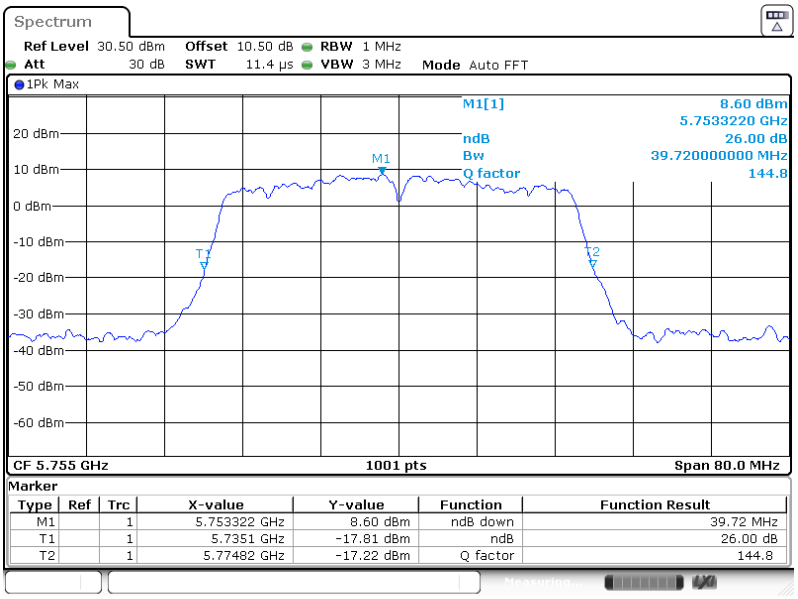
802.11 ax20 mode, 5825MHz



Project No.:RKSA240119004 Tester:Bard Liu

Date: 29.MAY.2024 19:57:08

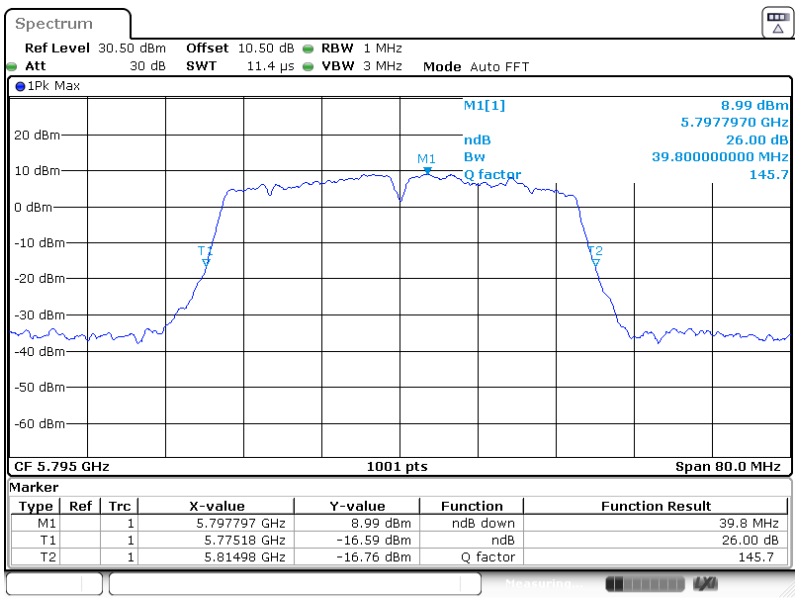
802.11ac40 mode, 5755MHz



Project No.:RKSA240119004 Tester:Bard Liu

Date: 29.MAY.2024 19:58:21

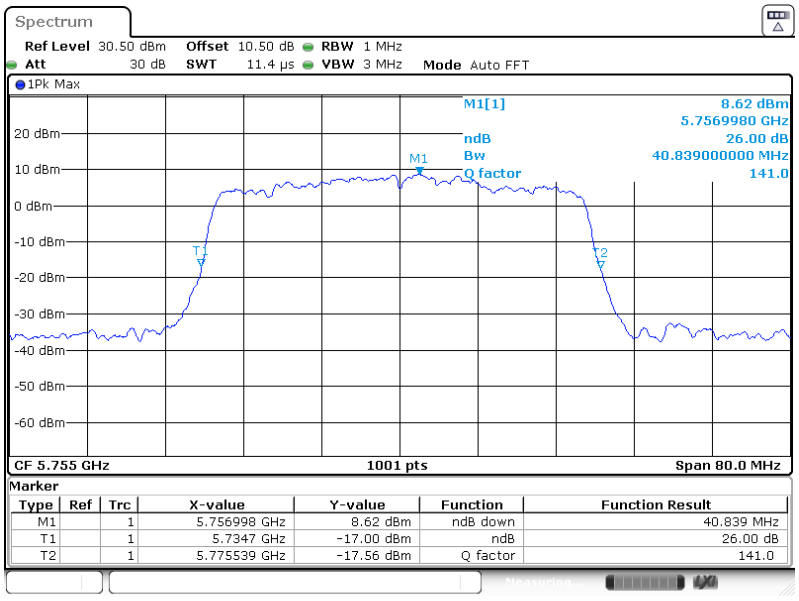
802.11 ac40 mode, 5795MHz



Project No.:RKSA240119004 Tester:Bard Liu

Date: 29.MAY.2024 20:10:44

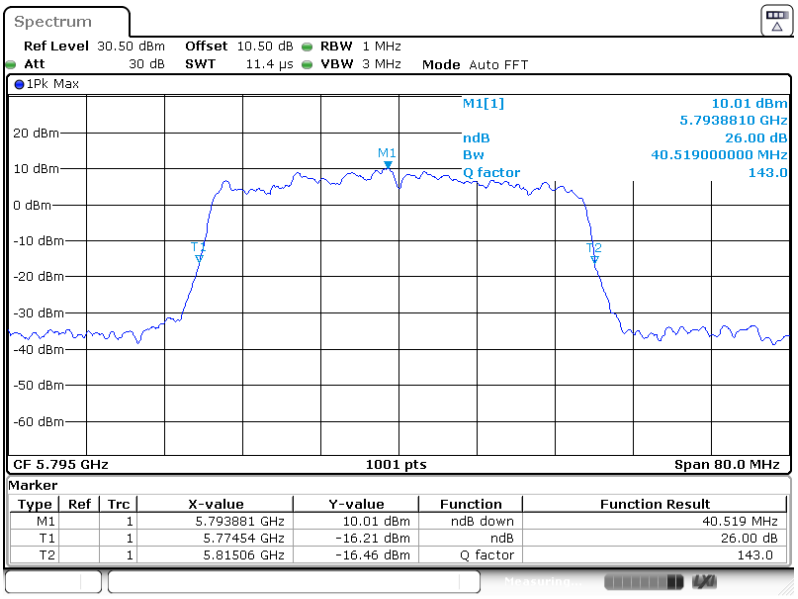
802.11 ax40 mode, 5755MHz



Project No.:RKSA240119004 Tester:Bard Liu

Date: 29.MAY.2024 20:13:07

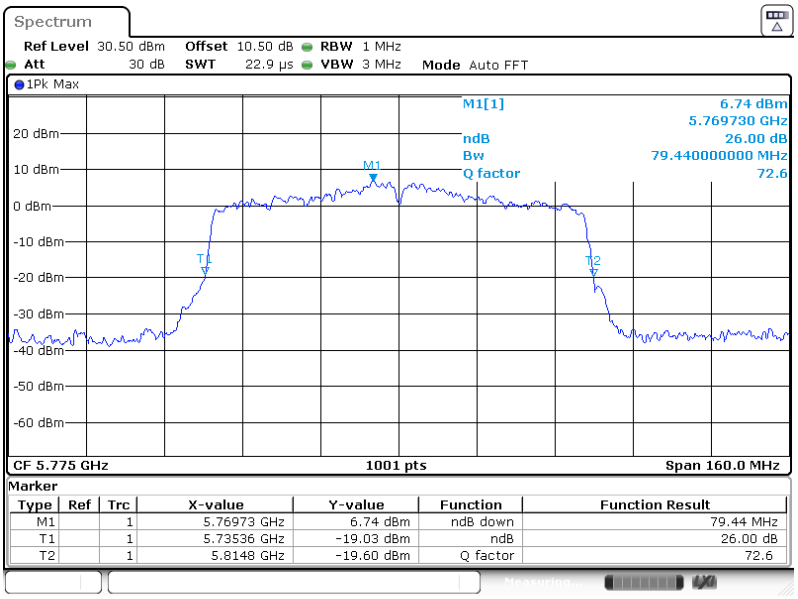
802.11 ax40 mode, 5795MHz



Project No.:RKSA240119004 Tester:Bard Liu

Date: 29.MAY.2024 20:11:22

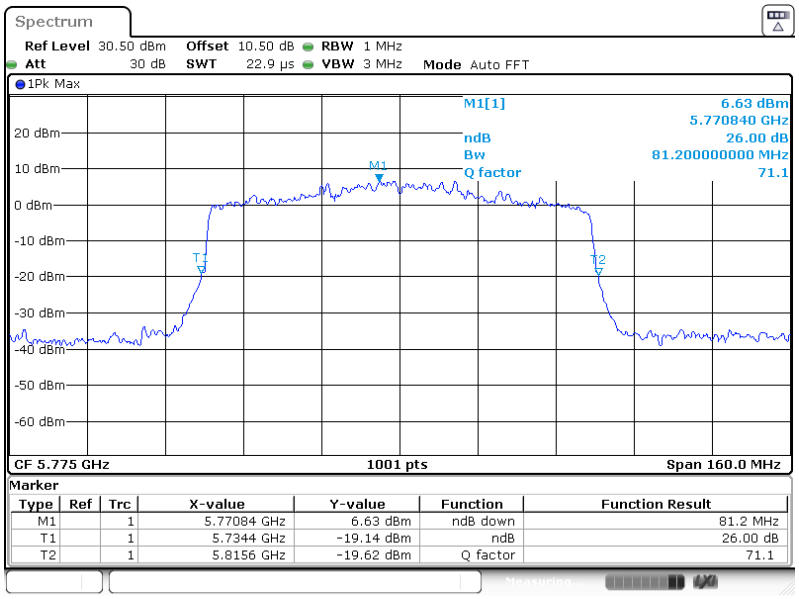
802.11 ac80 mode, 5775MHz



Project No.:RKSA240119004 Tester:Bard Liu

Date: 29.MAY.2024 20:15:25

802.11 ax80 mode, 5775MHz

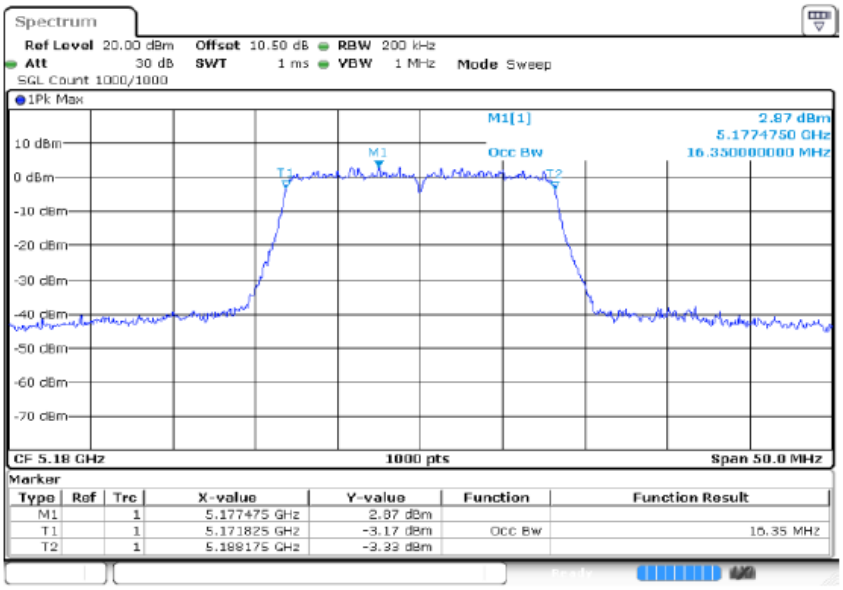


Project No.:RKSA240119004 Tester:Bard Liu

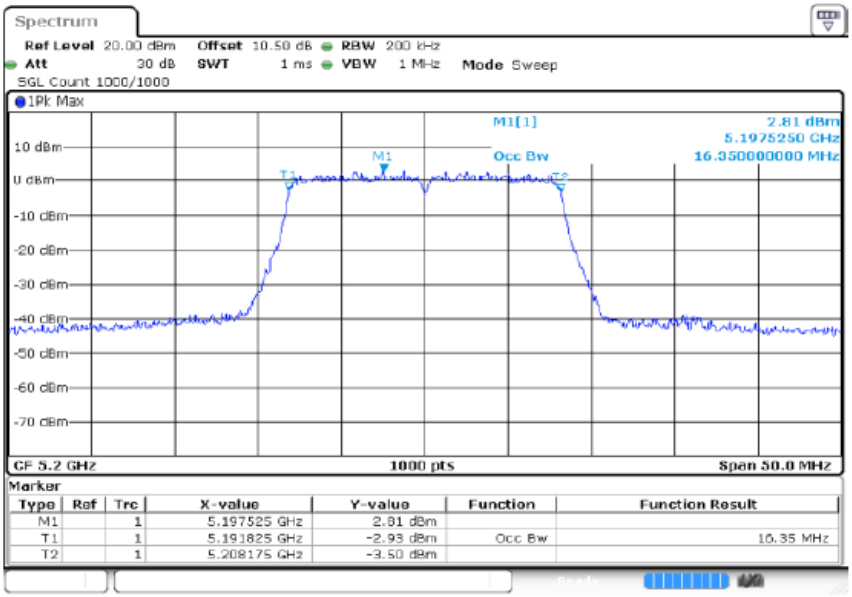
Date: 29.MAY.2024 20:17:47

99% Occupied Bandwidth
5150-5250 MHz Band:
Chain 0:

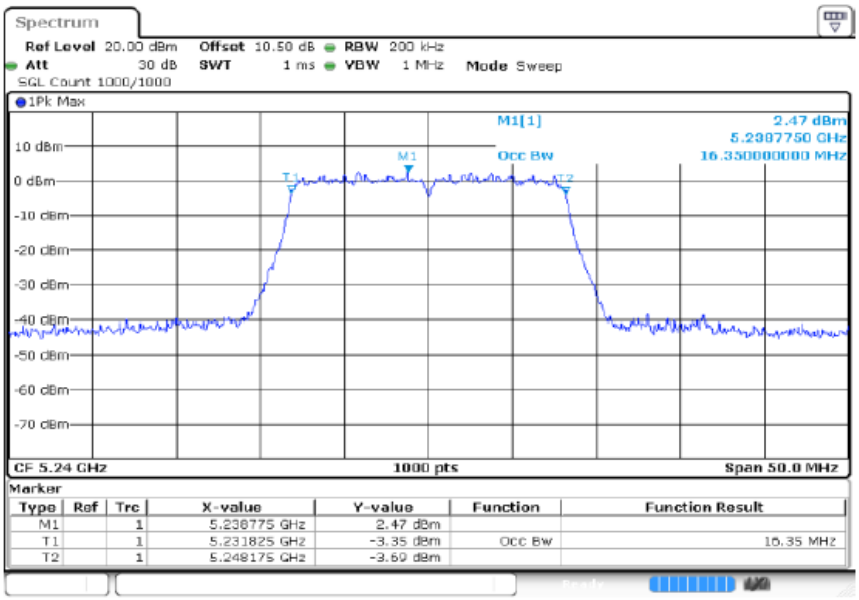
802.11a mode, 5180MHz



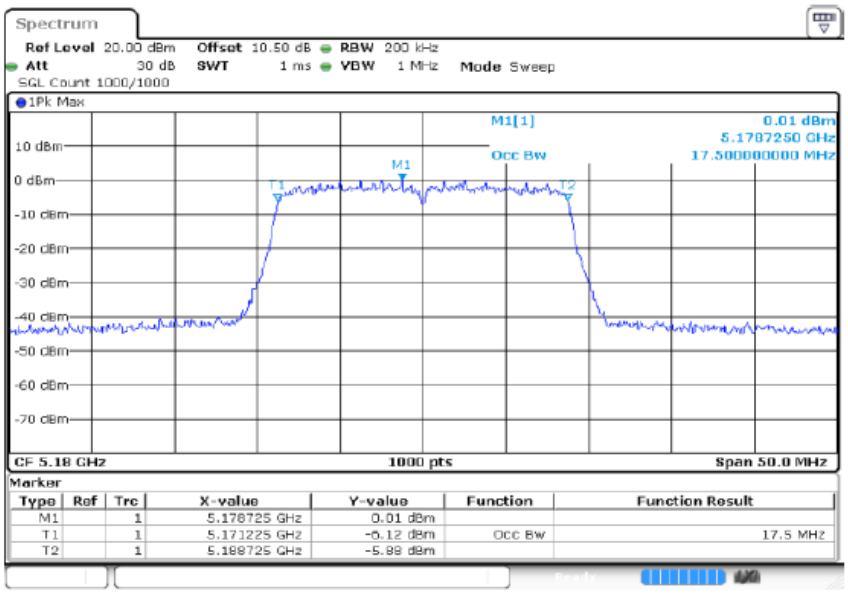
802.11a mode, 5200MHz



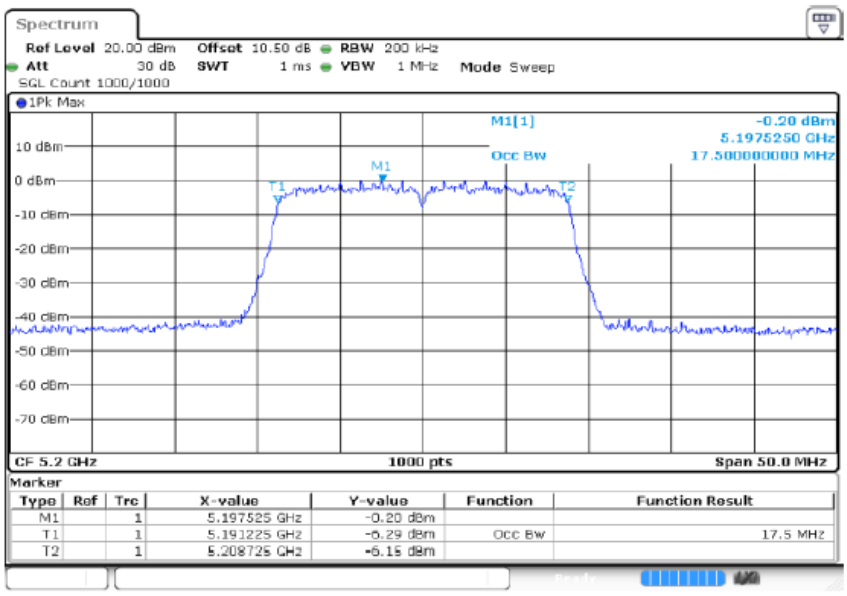
802.11a mode, 5240MHz



802.11ac20 mode, 5180MHz

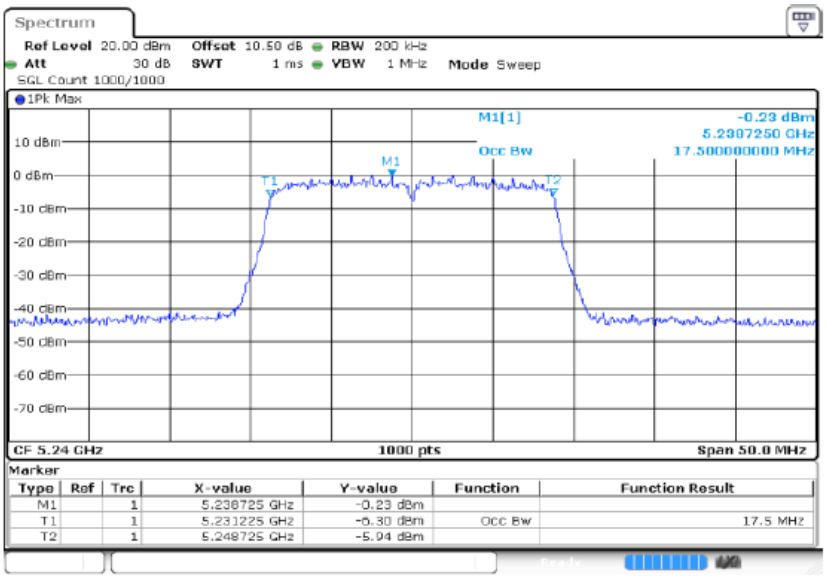


802.11 ac20 mode, 5200MHz



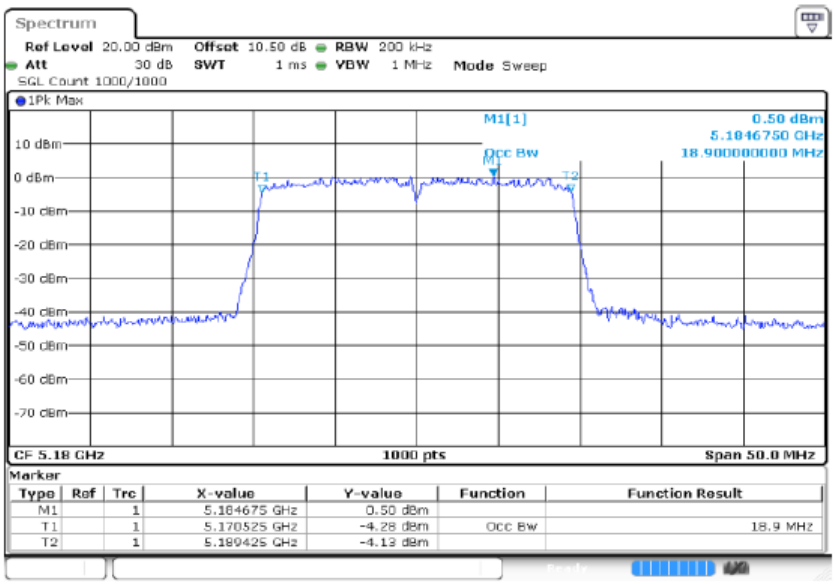
ProjectNo.: RKSA240119004 Tester:Jason Lu
Date: 27.JUN.2024 10:36:04

802.11 ac20 mode, 5240MHz



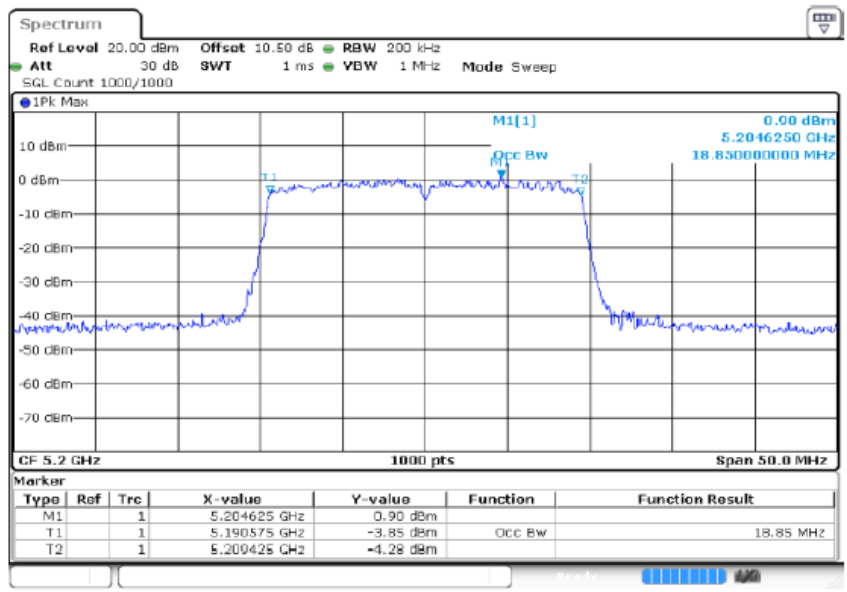
ProjectNo.: RKSA240119004 Tester:Jason Lu
Date: 27.JUN.2024 10:36:53

802.11 ax20 mode, 5180MHz



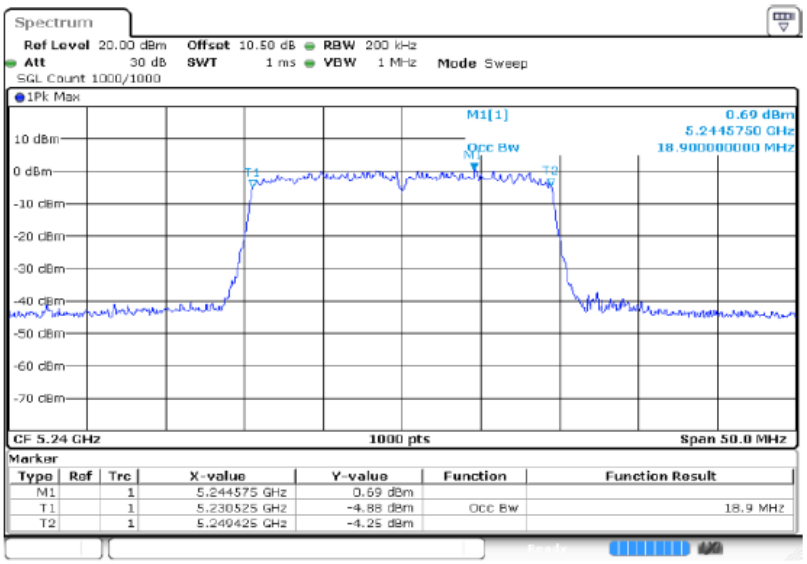
ProjectNo.: RKSA240119004 Tester:Jason Lu
Date: 27.JUN.2024 10:45:47

802.11 ax20 mode, 5200MHz

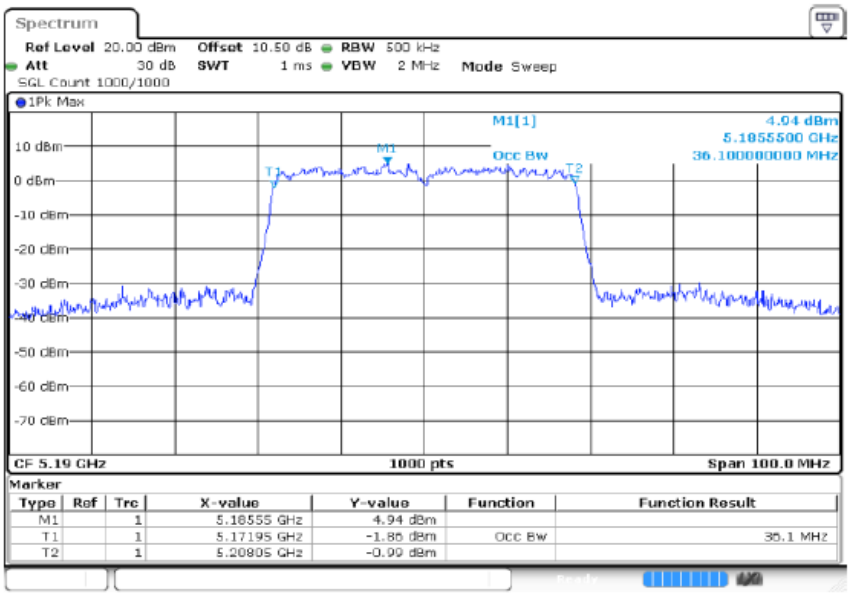


ProjectNo.: RKSA240119004 Tester:Jason Lu
Date: 27.JUN.2024 10:46:45

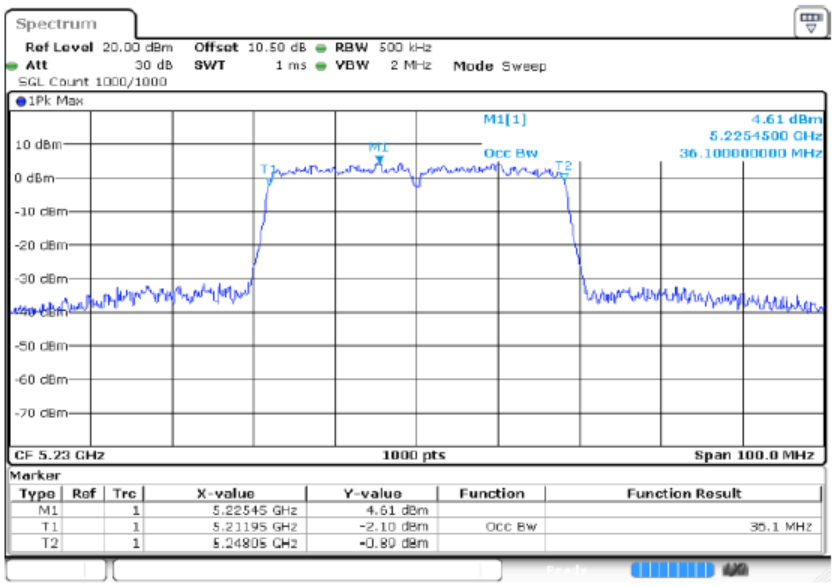
802.11 ax20 mode, 5240MHz



802.11ac40 mode, 5190MHz

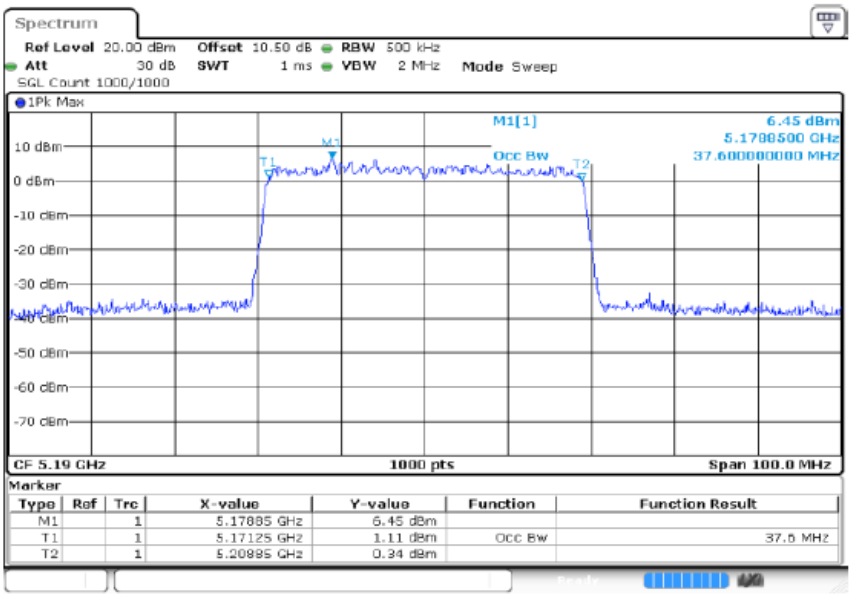


802.11 ac40 mode, 5230MHz



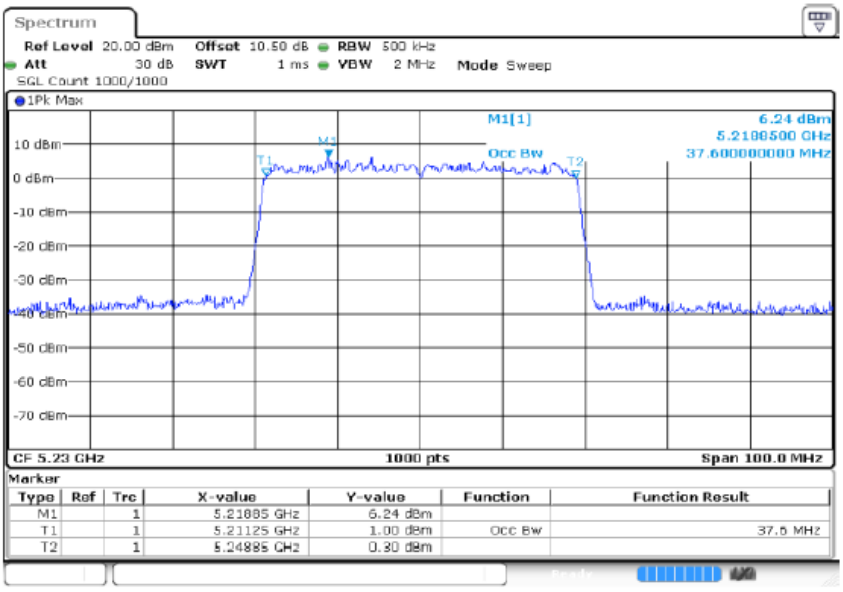
ProjectNo.: RKSA240119004 Tester:Jason Lu
Date: 27.JUN.2024 10:38:16

802.11 ax40 mode, 5190MHz

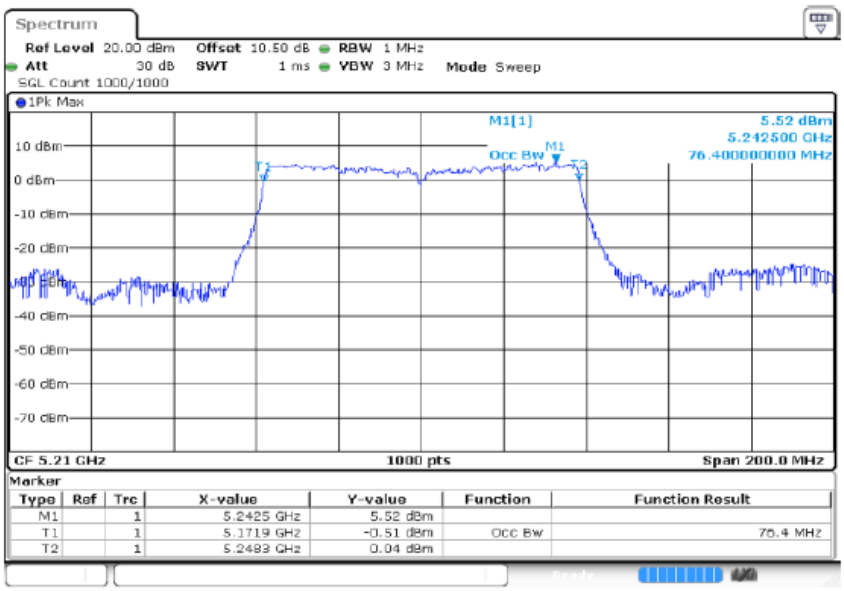


ProjectNo.: RKSA240119004 Tester:Jason Lu
Date: 27.JUN.2024 10:42:38

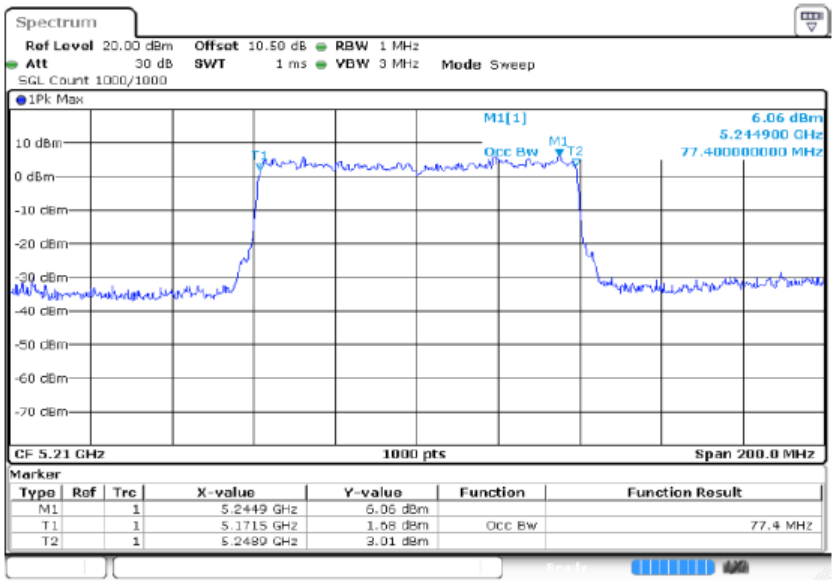
802.11 ax40 mode, 5230MHz



802.11ac80 mode, 5210MHz

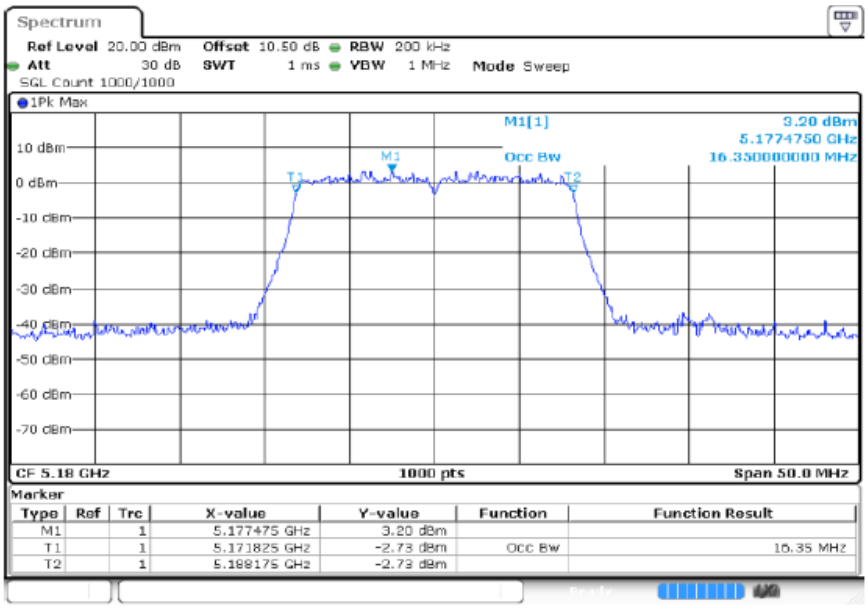


802.11ax80 mode, 5210MHz



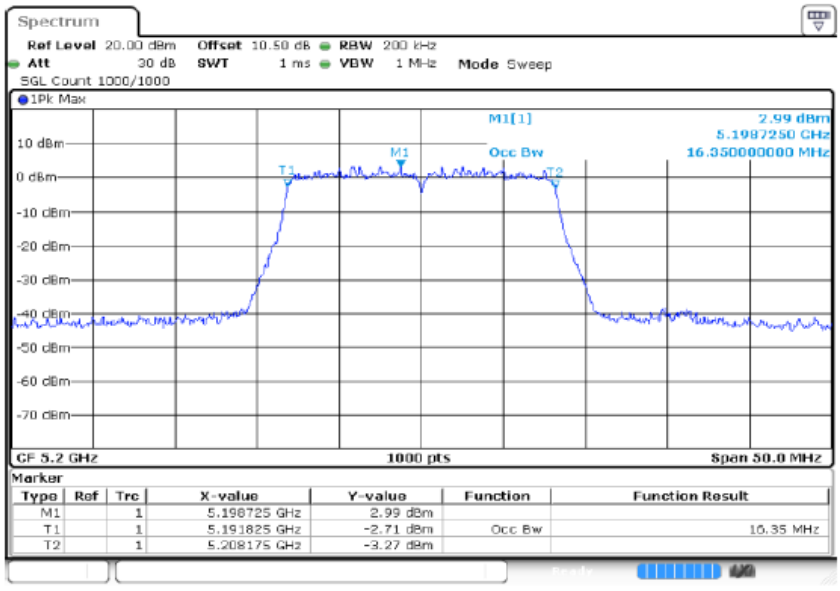
Chain 1

802.11a mode, 5180MHz



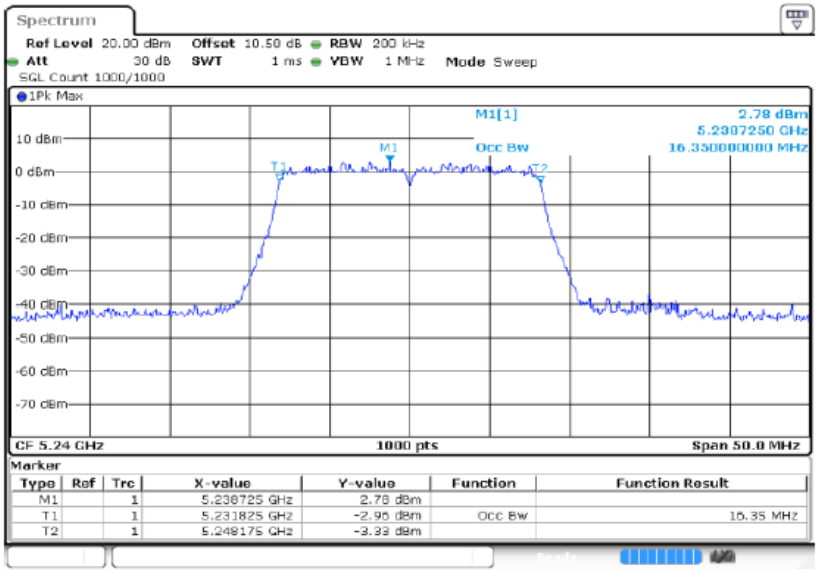
ProjectNo.: RKSA240119004 Tester:Jason Lu
Date: 27.JUN.2024 10:51:11

802.11a mode, 5200MHz

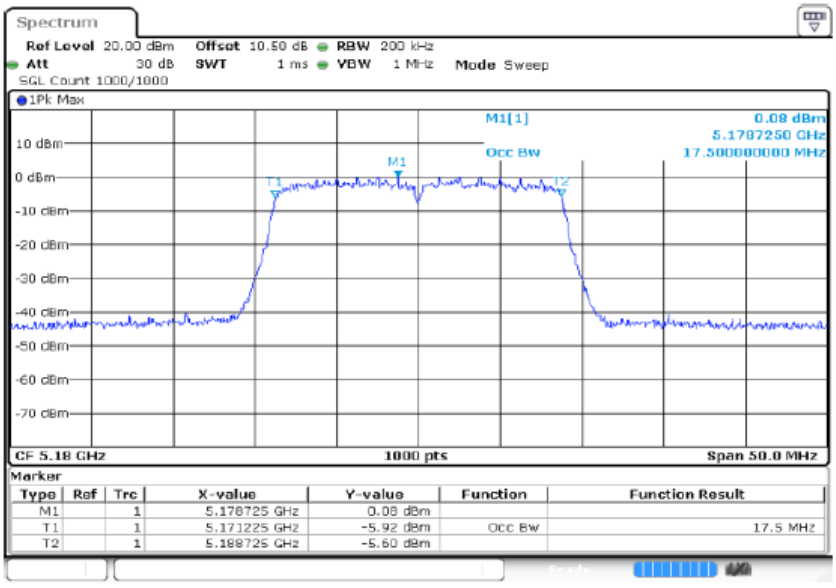


ProjectNo.: RKSA240119004 Tester:Jason Lu
Date: 27.JUN.2024 10:52:04

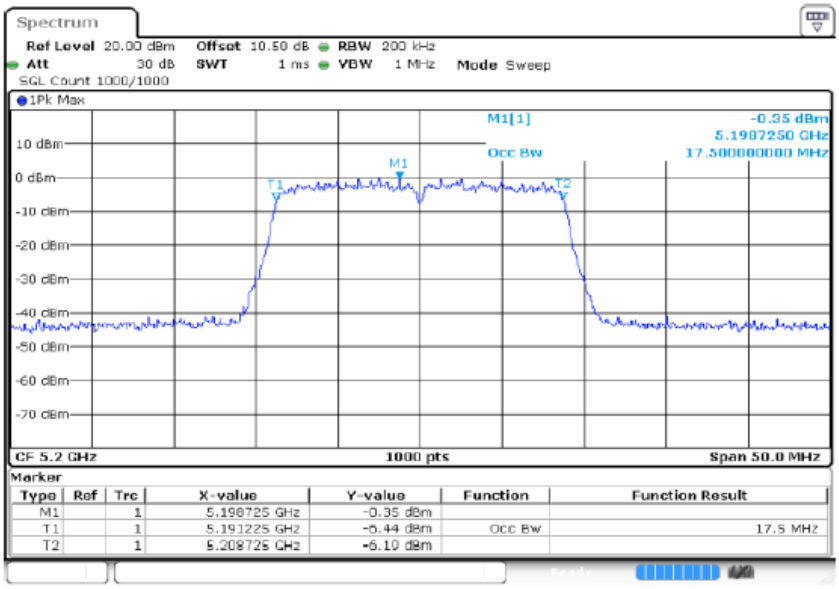
802.11a mode, 5240MHz



802.11ac20 mode, 5180MHz

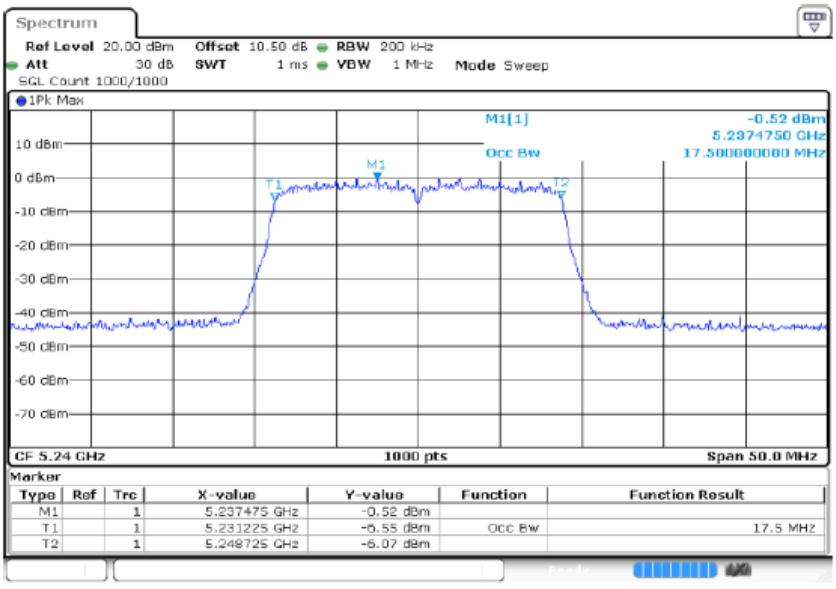


802.11 ac20 mode, 5200MHz



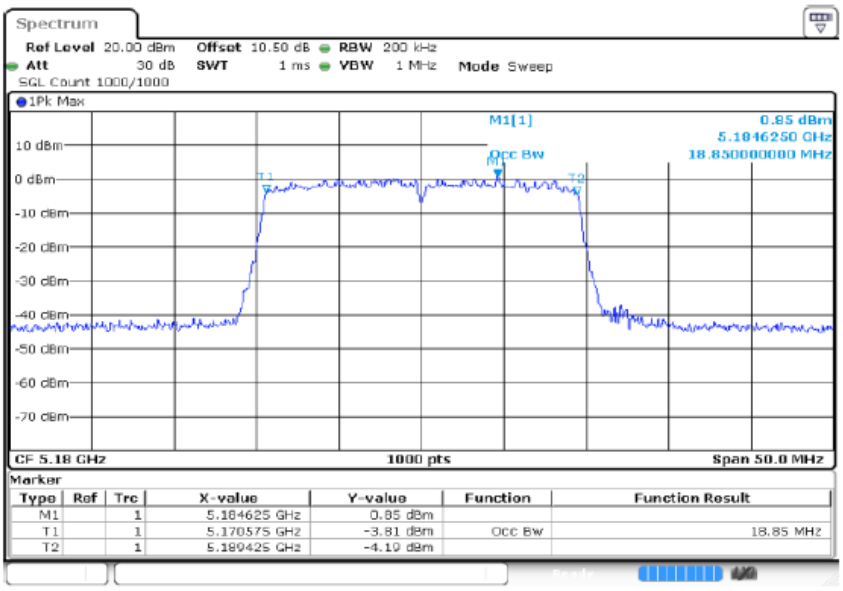
ProjectNo.:RKSA240119004 Tester:Jason Lu
Date: 27.JUN.2024 10:55:41

802.11 ac20 mode, 5240MHz



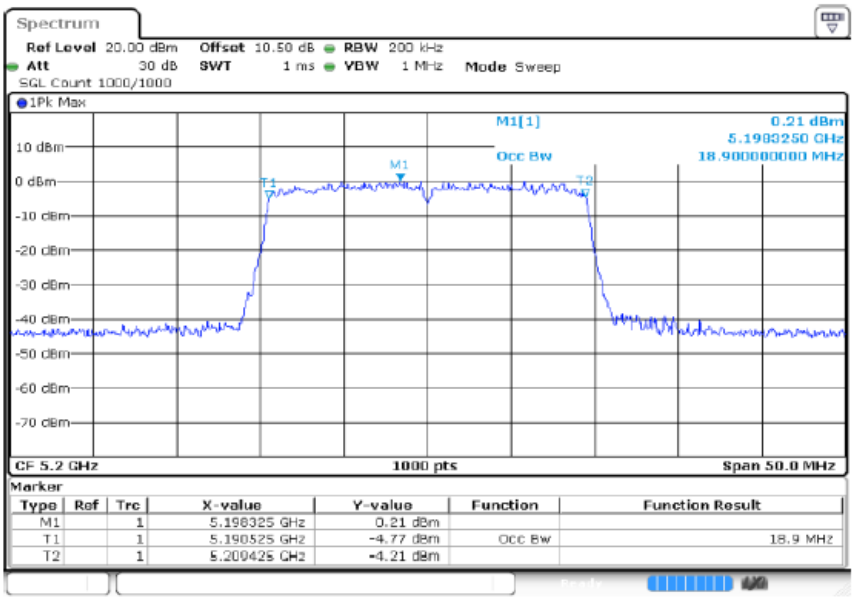
ProjectNo.:RKSA240119004 Tester:Jason Lu
Date: 27.JUN.2024 10:56:51

802.11 ax20 mode, 5180MHz



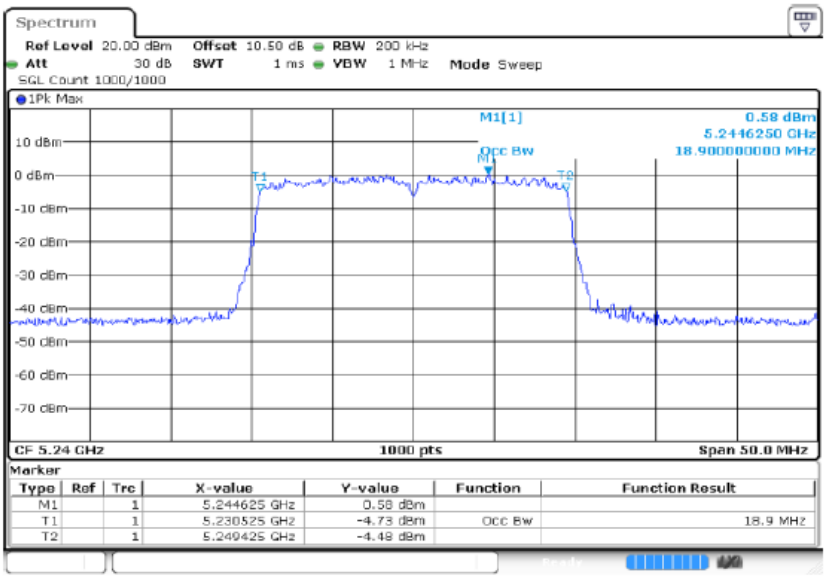
ProjectNo.:RKSA240119004 Tester:Jason Lu
Date: 27.JUN.2024 11:02:56

802.11 ax20 mode, 5200MHz



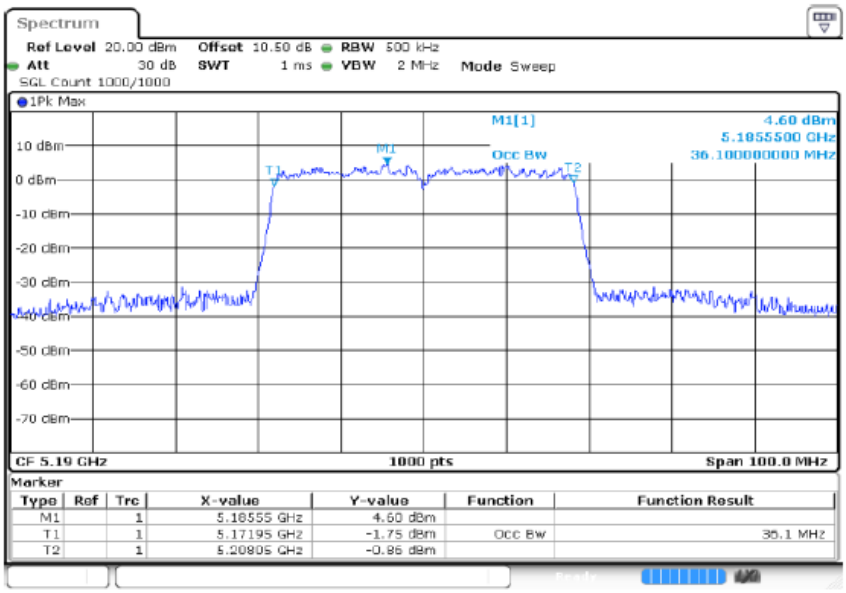
ProjectNo.:RKSA240119004 Tester:Jason Lu
Date: 27.JUN.2024 11:12:14

802.11 ax20 mode, 5240MHz



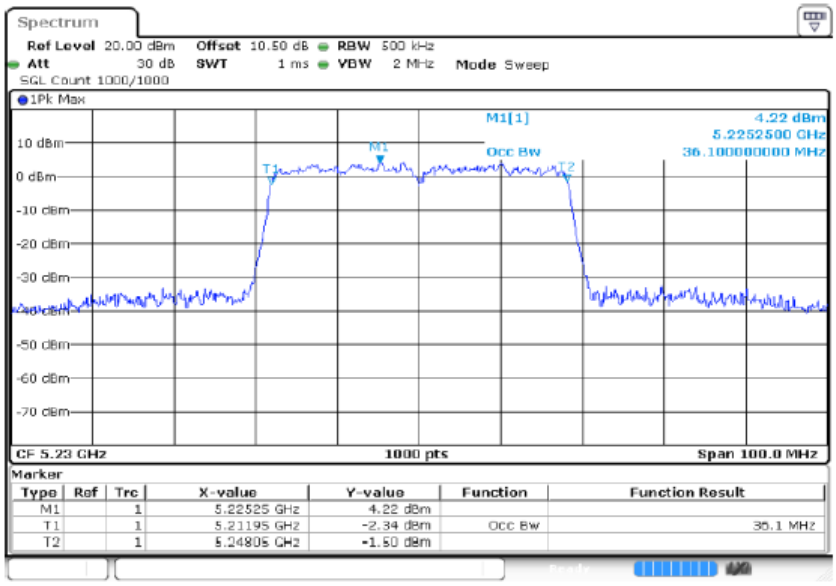
ProjectNo.: RKSA240119004 Tester:Jason Lu
Date: 27.JUN.2024 11:13:44

802.11ac40 mode, 5190MHz



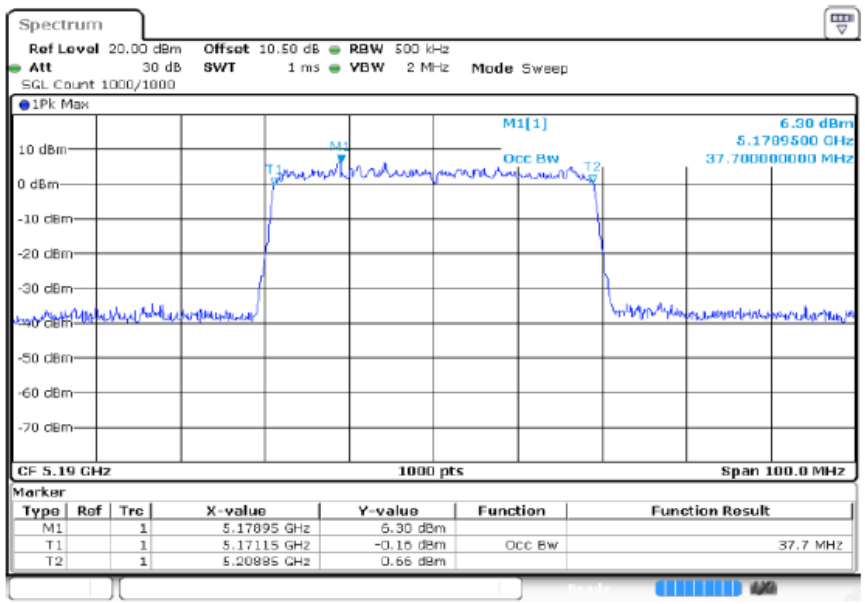
ProjectNo.: RKSA240119004 Tester:Jason Lu
Date: 27.JUN.2024 10:57:51

802.11 ac40 mode, 5230MHz



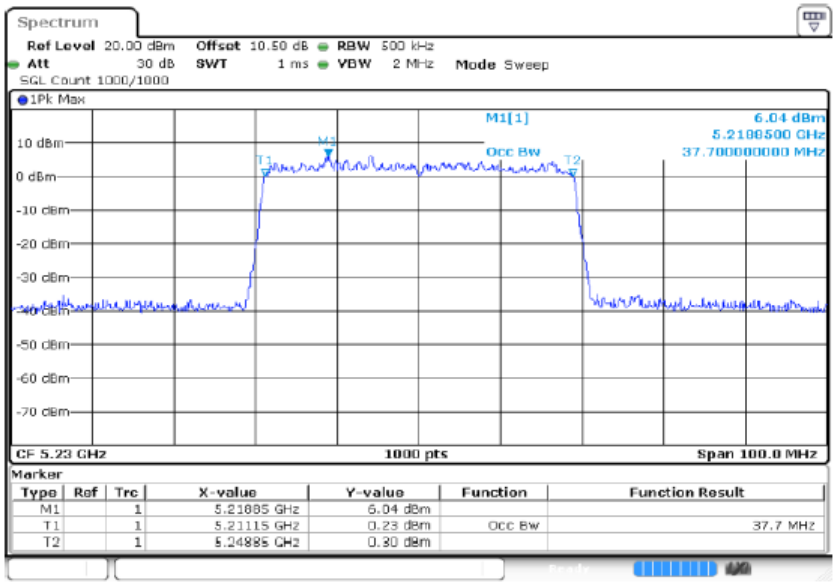
ProjectNo.. RKSA240119004 Tester.Jason Lu
Date 27.JUN.2024 10:59:05

802.11 ax40 mode, 5190MHz



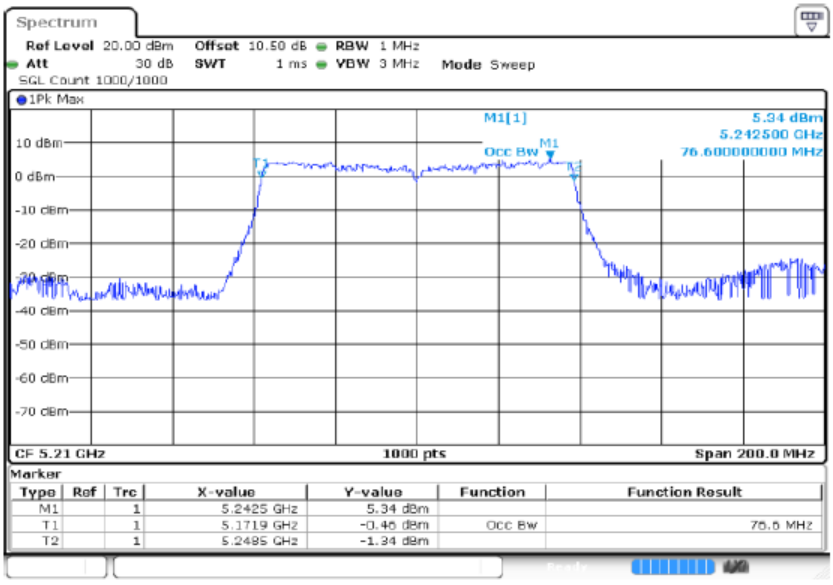
ProjectNo.. RKSA240119004 Tester.Jason Lu
Date 27.JUN.2024 11:15:05

802.11 ax40 mode, 5230MHz



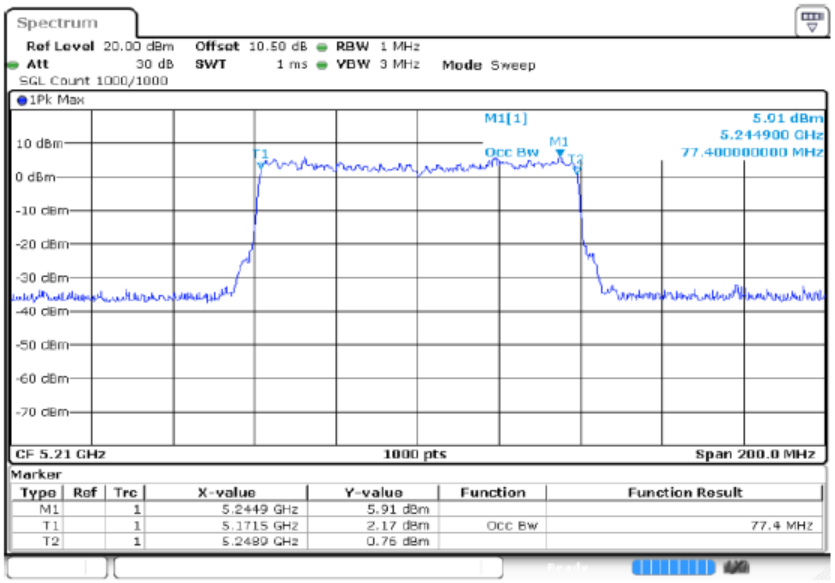
ProjectNo.: RKSA240119004 Tester:Jason Lu
Date: 27.JUN.2024 11:16:29

802.11ac80 mode, 5210MHz



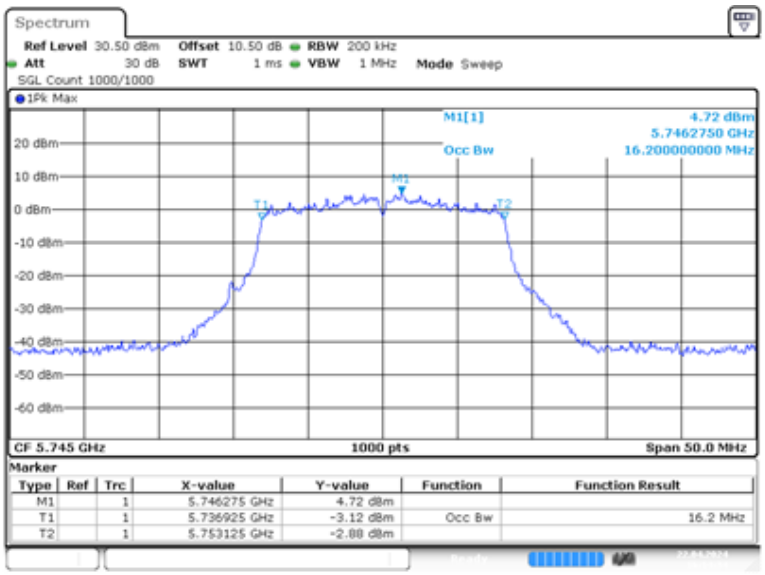
ProjectNo.: RKSA240119004 Tester:Jason Lu
Date: 27.JUN.2024 11:00:21

802.11ax80 mode, 5210MHz

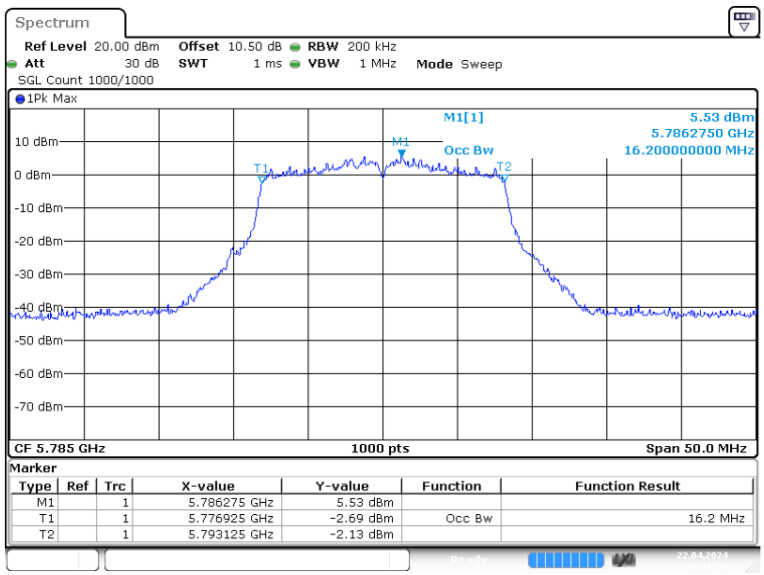


5725-5850 MHz Band
Chain 0:

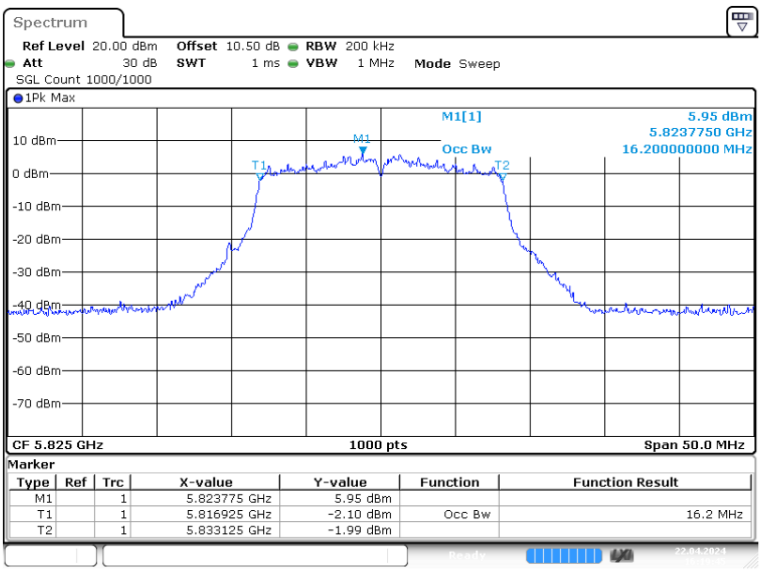
802.11a mode, 5745MHz



802.11a mode, 5785MHz



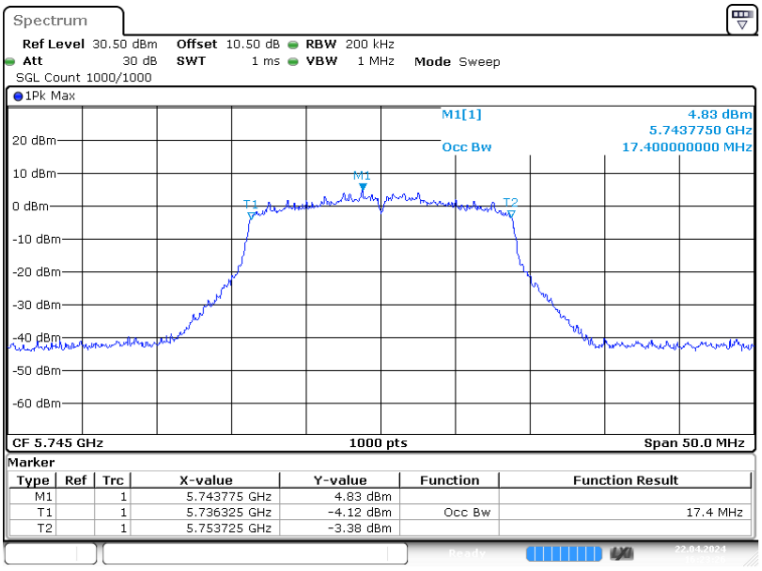
802.11a mode, 5825MHz



ProjectNo.:RKSA240119004 Tester:Bard Liu

Date: 22.APR.2024 16:19:45

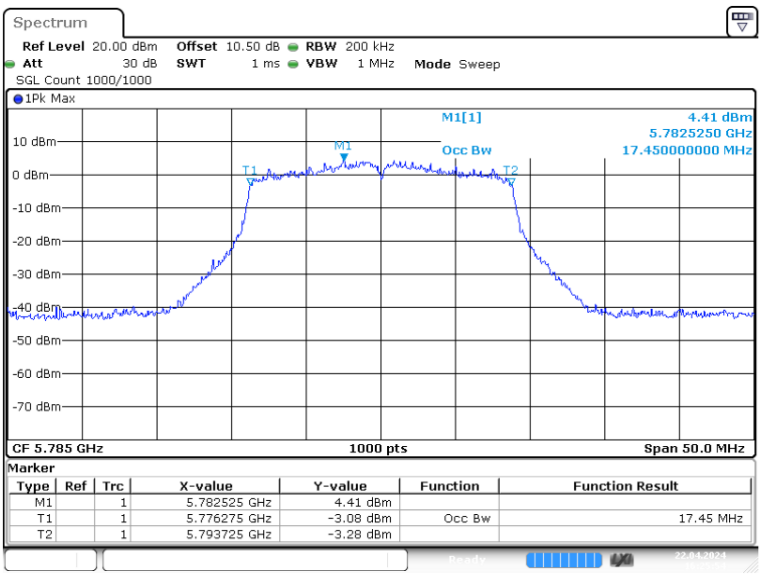
802.11ac20 mode, 5745MHz



ProjectNo.:RKSA240119004 Tester:Bard Liu

Date: 22.APR.2024 16:23:27

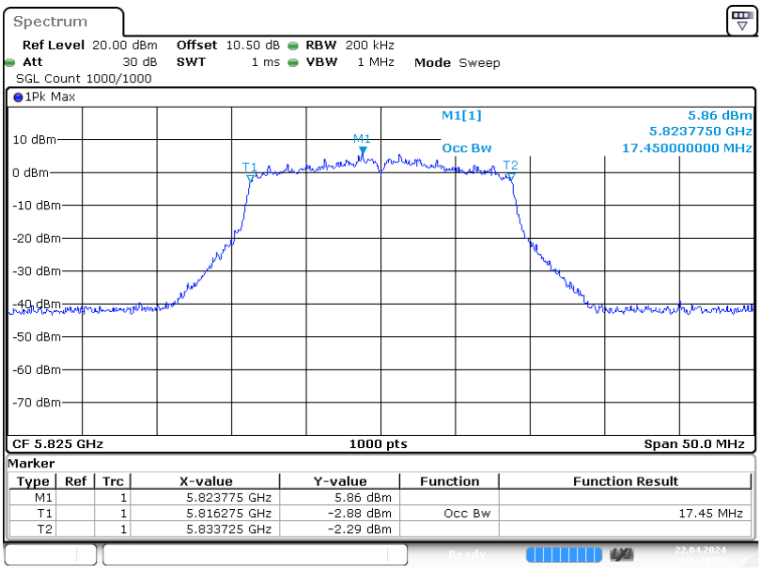
802.11 ac20 mode, 5785MHz



ProjectNo.:RKSA240119004 Tester:Bard Liu

Date: 22.APR.2024 16:25:55

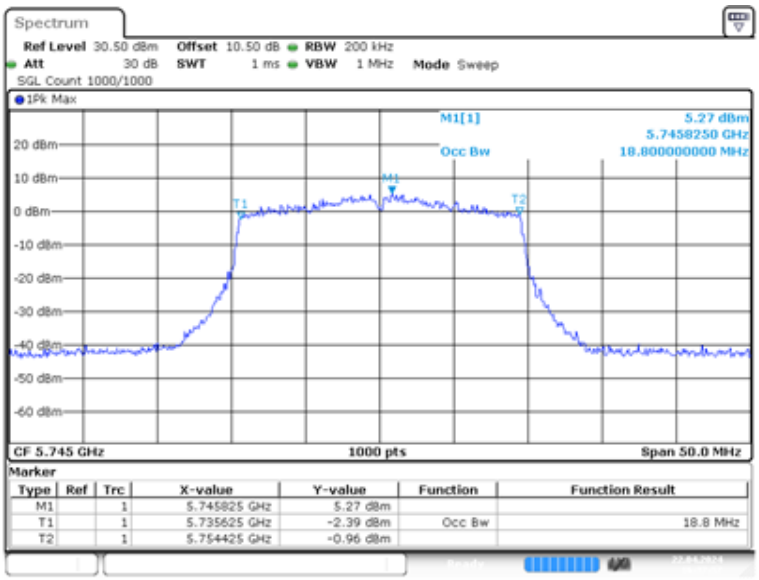
802.11 ac20 mode, 5825MHz



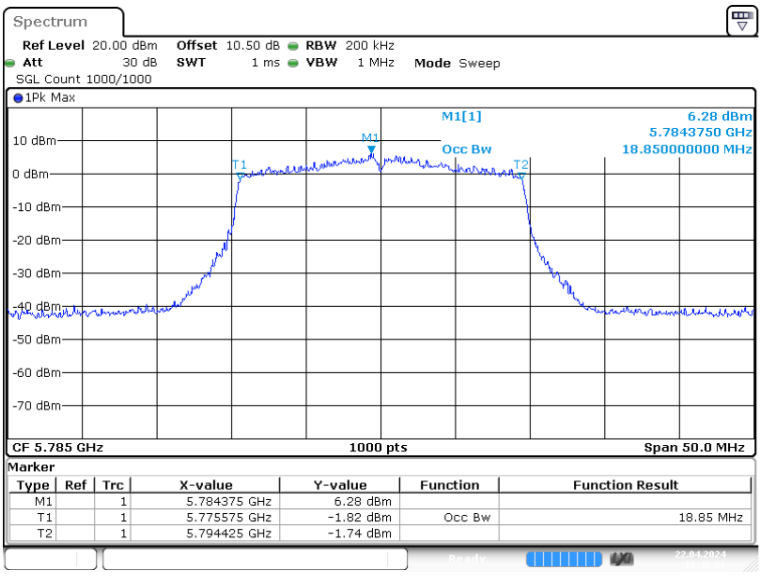
ProjectNo.:RKSA240119004 Tester:Bard Liu

Date: 22.APR.2024 16:28:22

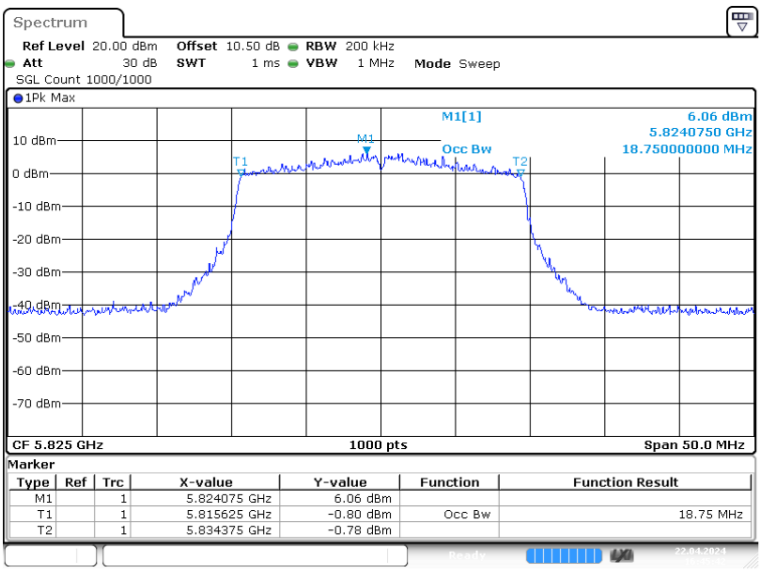
802.11 ax20 mode, 5745MHz



802.11 ax20 mode, 5785MHz



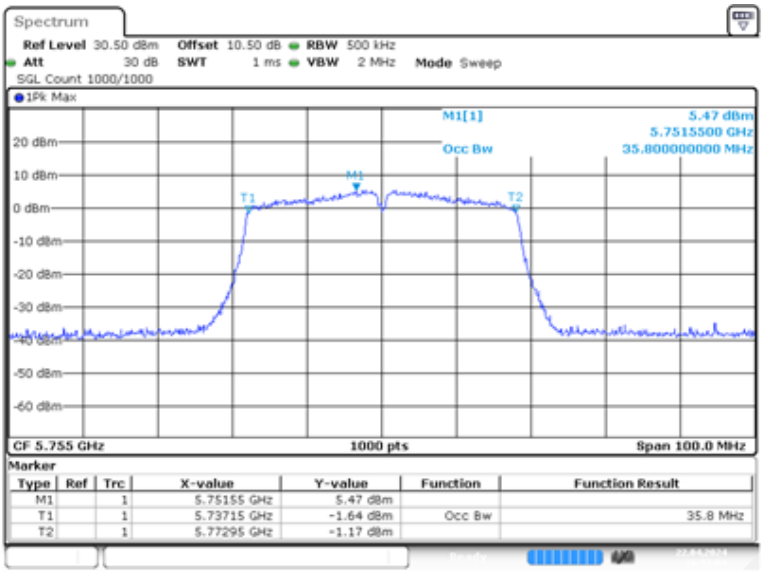
802.11 ax20 mode, 5825MHz



ProjectNo.:RKSA240119004 Tester:Bard Liu

Date: 22.APR.2024 16:45:42

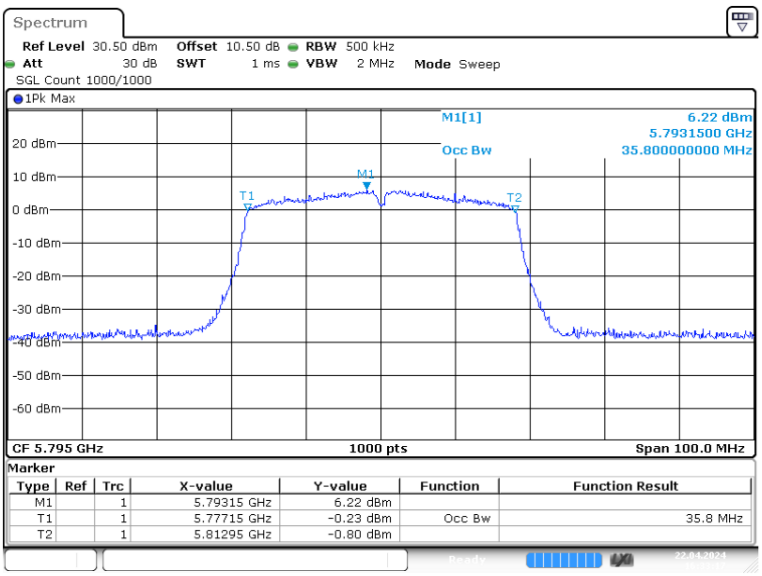
802.11ac40 mode, 5755MHz



ProjectNo.:RKSA240119004 Tester:Bard Liu

Date: 22.APR.2024 16:31:04

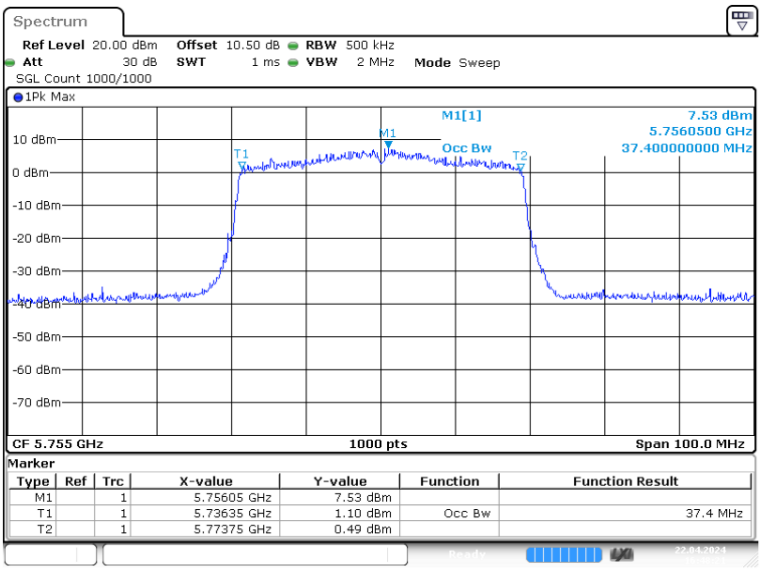
802.11 ac40 mode, 5795MHz



ProjectNo.:RKSA240119004 Tester:Bard Liu

Date: 22.APR.2024 16:33:16

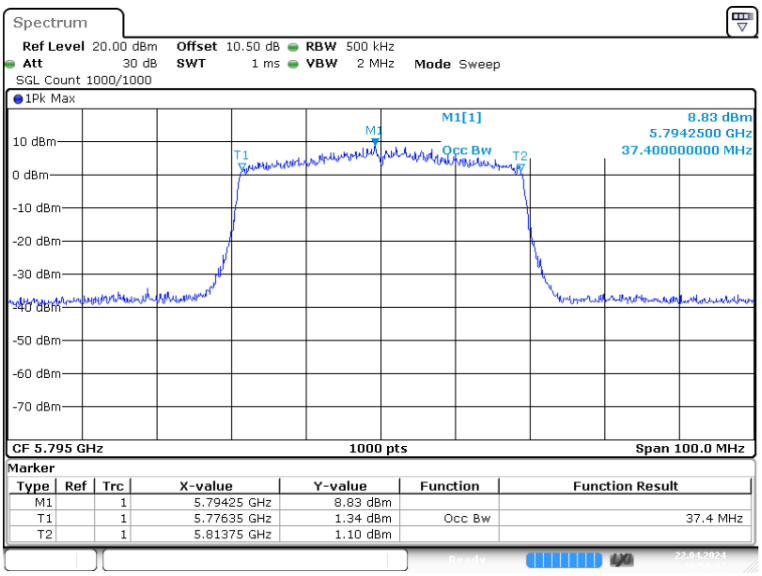
802.11 ax40 mode, 5755MHz



ProjectNo.:RKSA240119004 Tester:Bard Liu

Date: 22.APR.2024 16:48:21

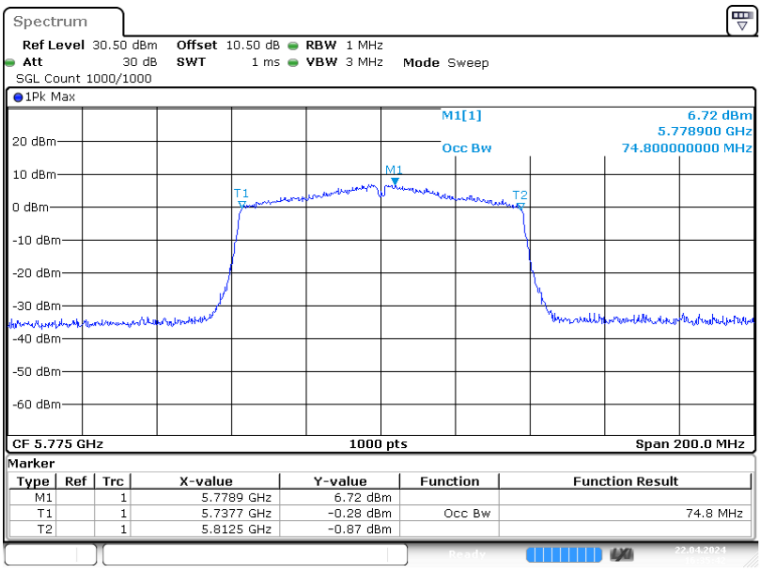
802.11 ax40 mode, 5795MHz



ProjectNo.:RKSA240119004 Tester:Bard Liu

Date: 22.APR.2024 16:50:03

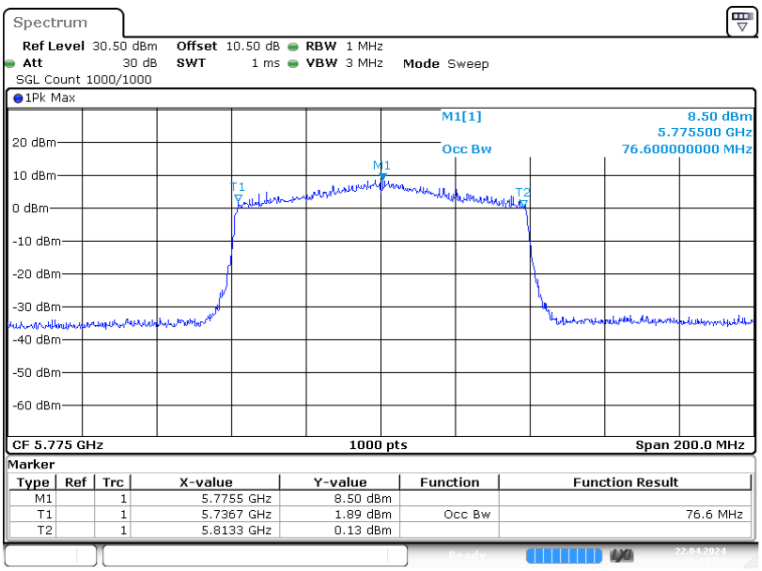
802.11ac80 mode, 5775MHz



ProjectNo.:RKSA240119004 Tester:Bard Liu

Date: 22.APR.2024 16:35:42

802.11 ax80 mode, 5775MHz

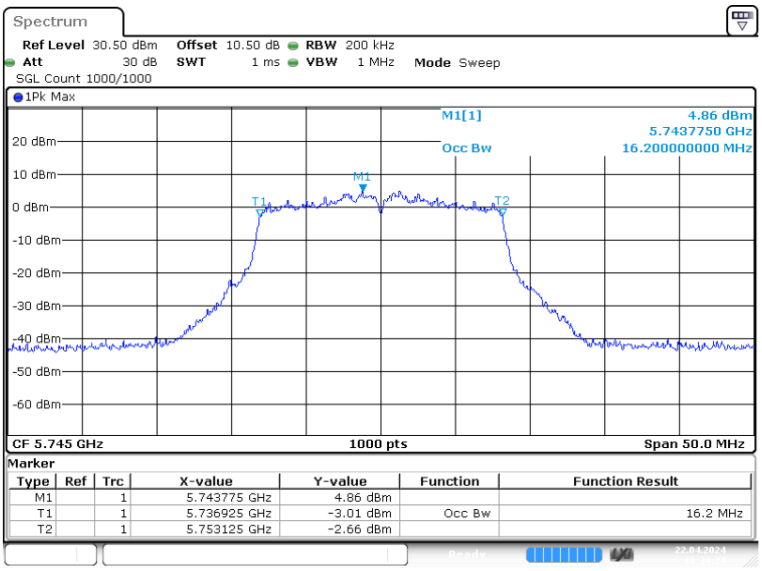


ProjectNo.:RKSA240119004 Tester:Bard Liu

Date: 22.APR.2024 16:52:37

Chain 1:

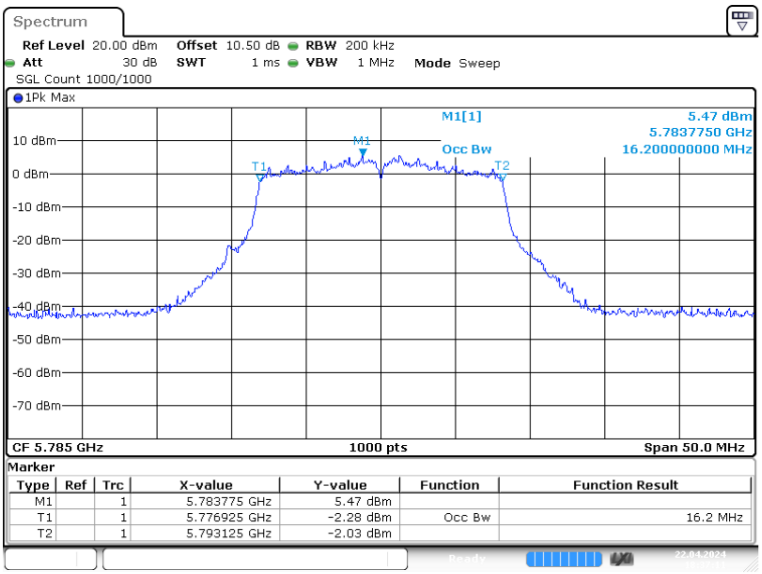
802.11a mode, 5745MHz



ProjectNo.:RKSA240119004 Tester:Bard Liu

Date: 22.APR.2024 18:34:24

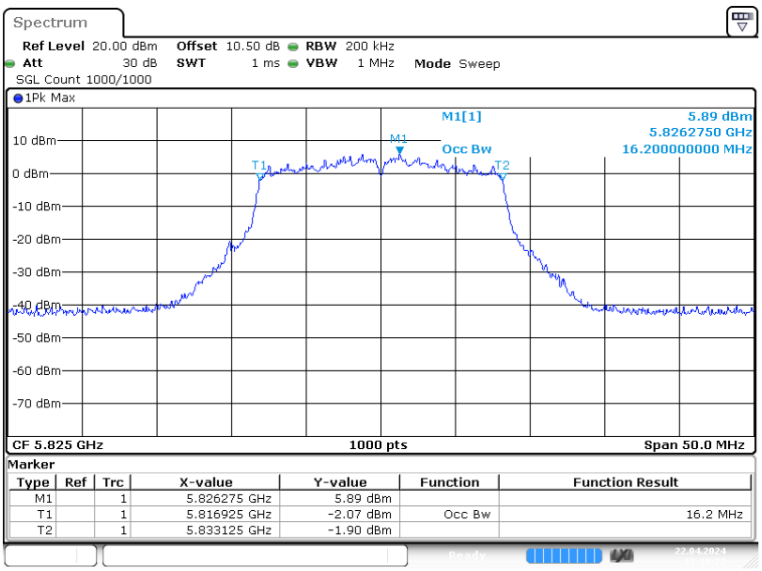
802.11a mode, 5785MHz



ProjectNo.:RKSA240119004 Tester:Bard Liu

Date: 22.APR.2024 18:37:11

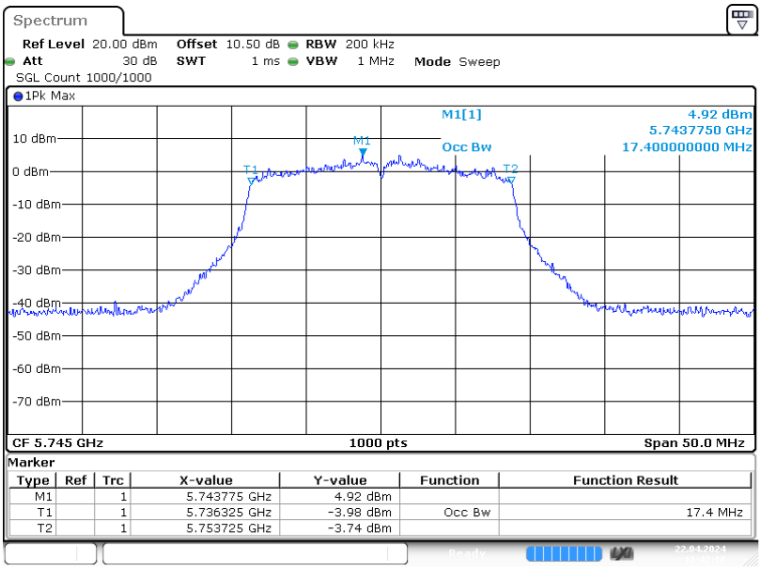
802.11a mode, 5825MHz



ProjectNo.:RKSA240119004 Tester:Bard Liu

Date: 22.APR.2024 18:39:23

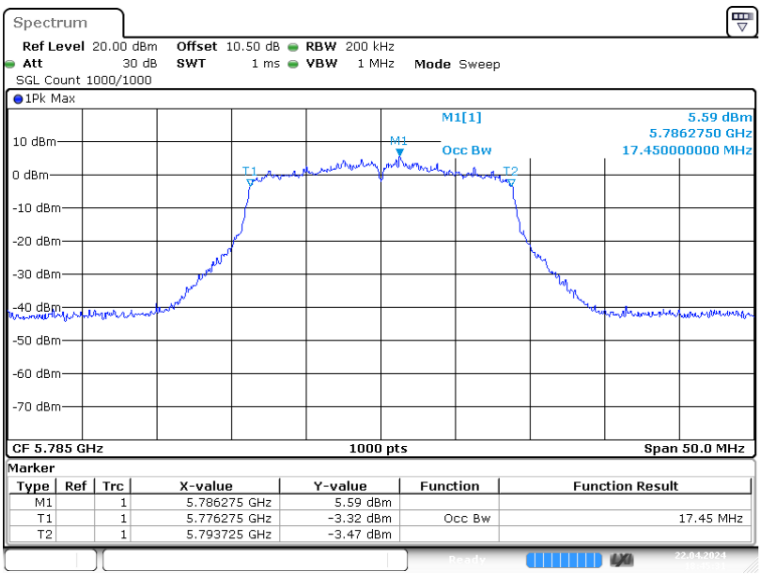
802.11ac20 mode, 5745MHz



ProjectNo.:RKSA240119004 Tester:Bard Liu

Date: 22.APR.2024 18:42:18

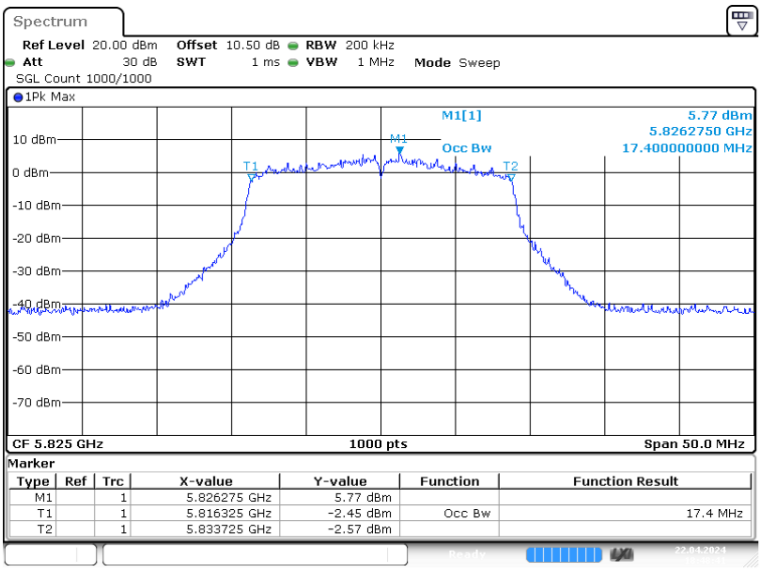
802.11 ac20 mode, 5785MHz



ProjectNo.:RKSA240119004 Tester:Bard Liu

Date: 22.APR.2024 18:45:31

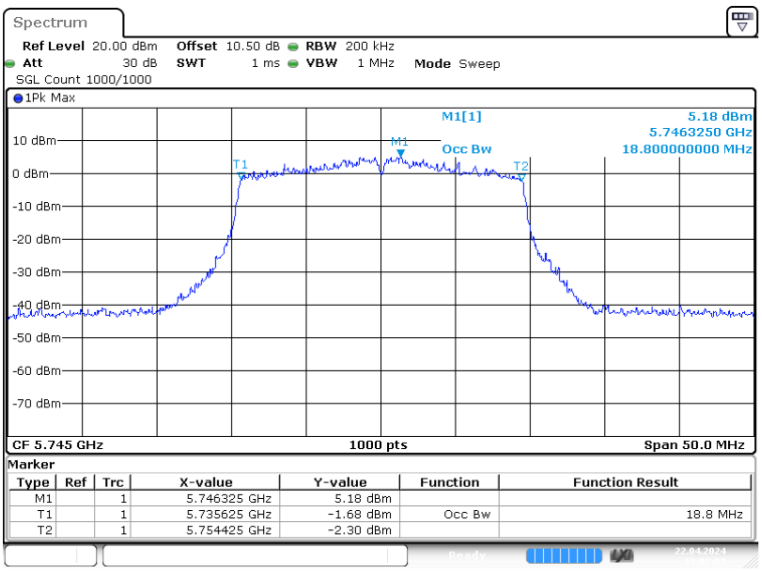
802.11 ac20 mode, 5825MHz



ProjectNo.:RKSA240119004 Tester:Bard Liu

Date: 22.APR.2024 18:48:41

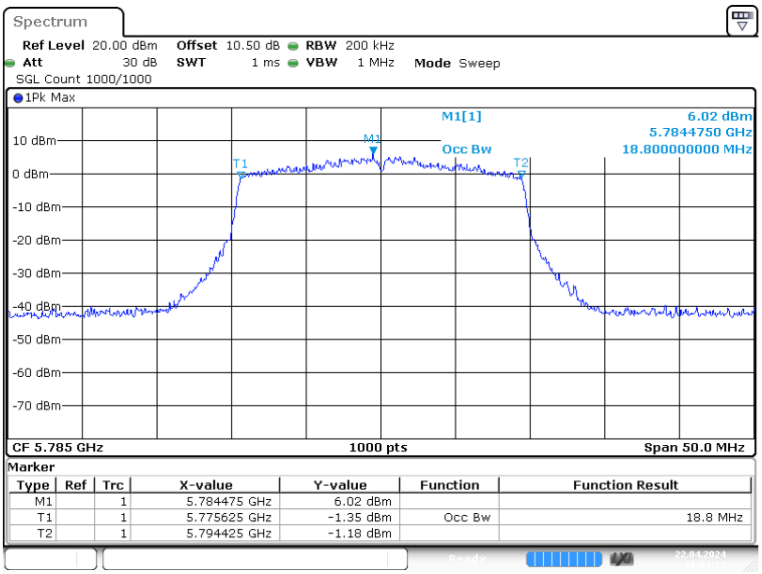
802.11 ax20 mode, 5745MHz



ProjectNo.:RKSA240119004 Tester:Bard Liu

Date: 22.APR.2024 19:02:09

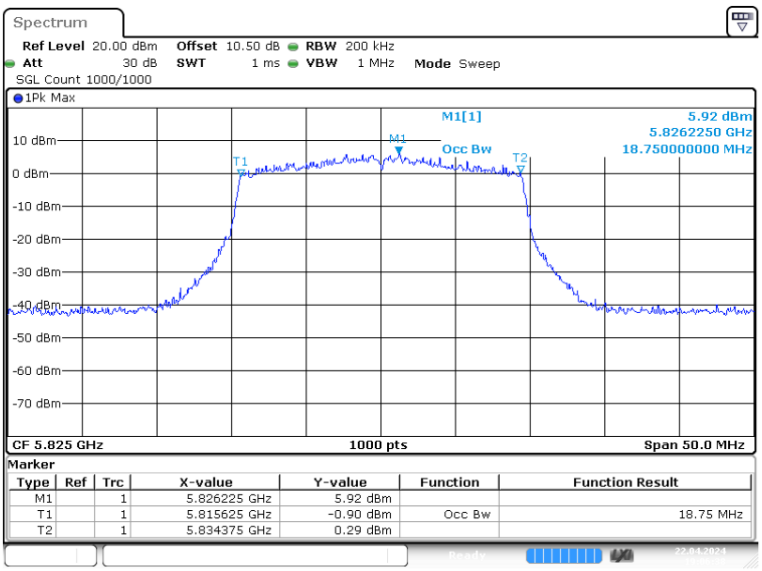
802.11 ax20 mode, 5785MHz



ProjectNo.:RKSA240119004 Tester:Bard Liu

Date: 22.APR.2024 19:04:13

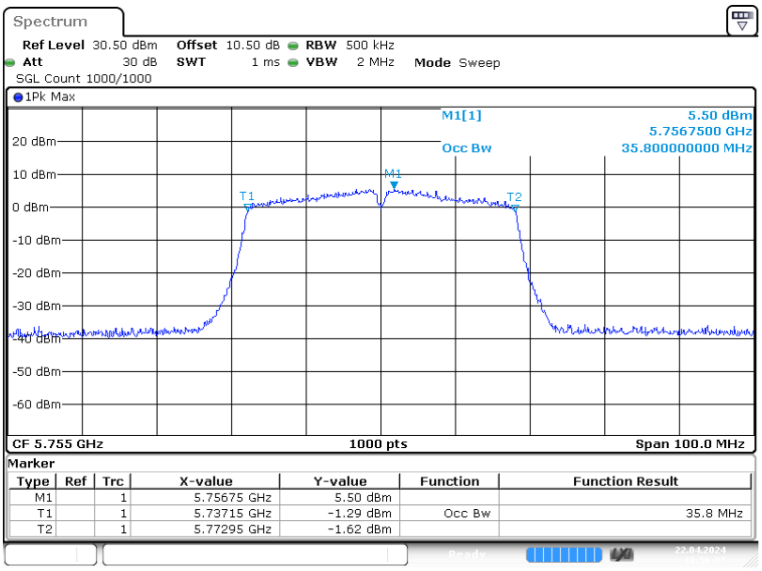
802.11 ax20 mode, 5825MHz



ProjectNo.:RKSA240119004 Tester:Bard Liu

Date: 22.APR.2024 19:06:38

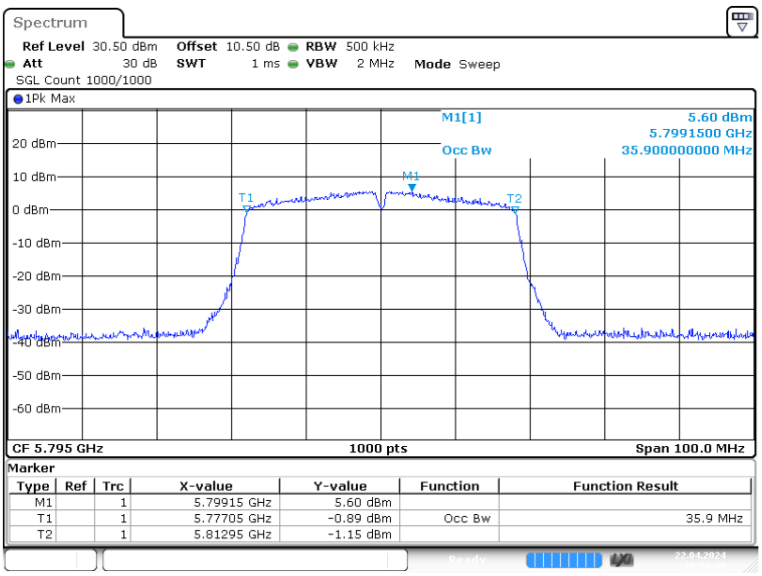
802.11ac40 mode, 5755MHz



ProjectNo.:RKSA240119004 Tester:Bard Liu

Date: 22.APR.2024 18:56:07

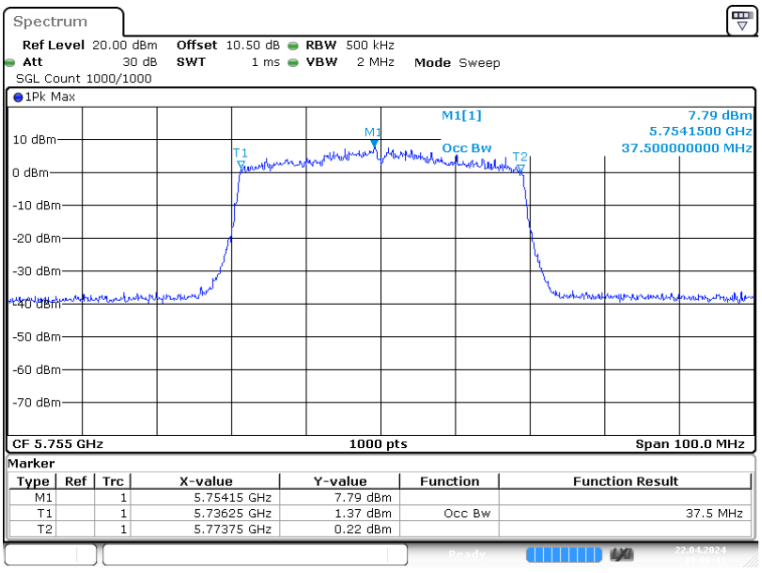
802.11 ac40 mode, 5795MHz



ProjectNo.:RKSA240119004 Tester:Bard Liu

Date: 22.APR.2024 18:58:08

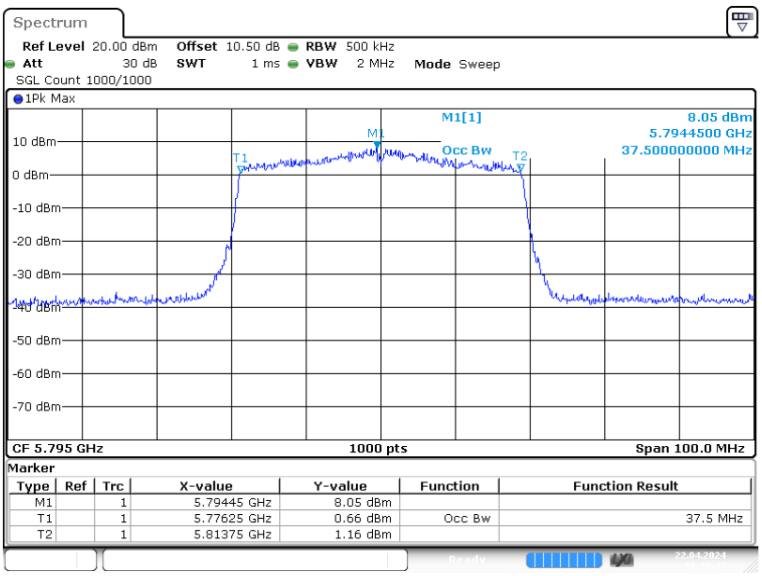
802.11 ax40 mode, 5755MHz



ProjectNo.:RKSA240119004 Tester:Bard Liu

Date: 22.APR.2024 19:08:42

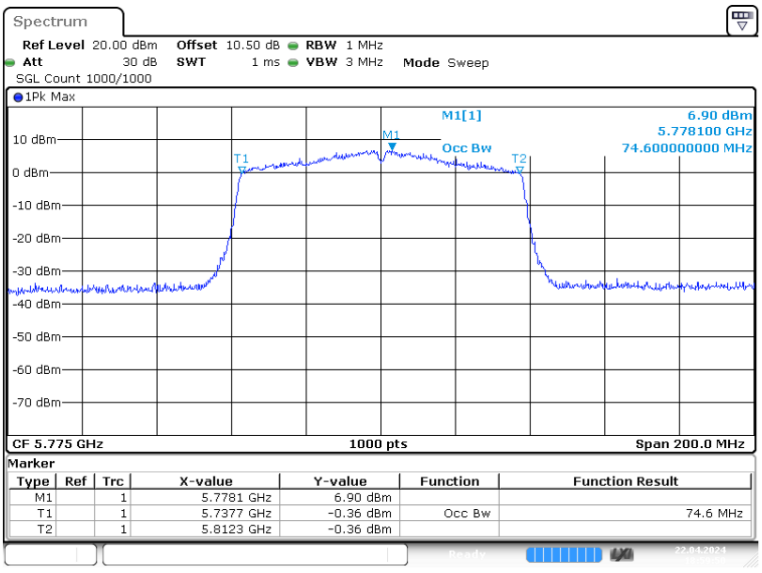
802.11 ax40 mode, 5795MHz



ProjectNo.:RKSA240119004 Tester:Bard Liu

Date: 22.APR.2024 19:10:44

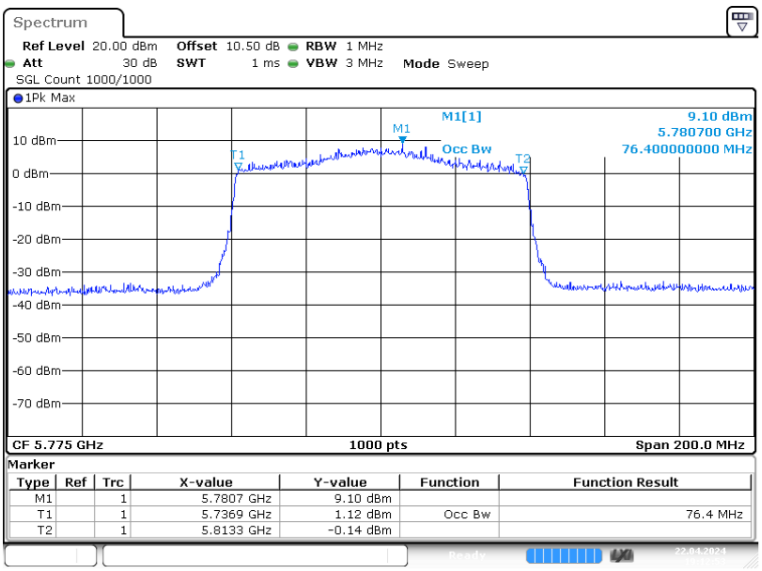
802.11 ac80 mode, 5775MHz



ProjectNo.:RKSA240119004 Tester:Bard Liu

Date: 22.APR.2024 18:59:51

802.11 ax80 mode, 5775MHz



CONDUCTED TRANSMITTER OUTPUT POWER

Test Mode: Transmitting

Band: 5150-5250 MHz

Mode	Frequency (MHz)	Conducted Average power(dBm)			Limit (dBm)
		Chain 0	Chain 1	Total	
802.11a	5180	8.93	8.57	/	30
	5200	8.66	8.29	/	
	5240	8.37	8.41	/	
802.11ac20	5180	8.55	8.19	11.38	
	5200	8.27	7.93	11.11	
	5240	7.98	8.03	11.02	
802.11ax20	5180	9.32	8.87	12.11	
	5200	9.01	8.94	11.99	
	5240	8.65	8.19	11.44	
802.11ac40	5190	6.86	6.18	9.54	
	5230	6.52	5.93	9.25	
802.11ax40	5190	8.19	8.21	11.21	
	5230	7.13	6.38	9.78	
802.11ac80	5210	8.71	8.57	11.65	
802.11ax80	5210	8.56	8.01	11.30	

Note：the EUT is an indoor access point

Band: 5725-5850 MHz

Mode	Frequency (MHz)	Conducted Average power(dBm)			Limit (dBm)
		Chain 0	Chain 1	Total	
802.11a	5745	13.51	13.65	/	30
	5785	14.12	14.21	/	
	5825	14.47	14.55	/	
802.11ac20	5745	13.13	13.28	16.22	
	5785	13.74	13.83	16.80	
	5825	14.09	14.19	17.15	
802.11ax20	5755	13.92	14.12	17.03	
	5795	14.65	14.61	17.64	
	5775	13.84	13.95	16.91	
802.11ac40	5745	13.33	13.48	16.42	
	5785	13.95	14.05	17.01	
802.11ax40	5825	14.31	14.39	17.36	
	5755	13.62	13.82	16.73	
802.11ac80	5795	14.34	14.33	17.35	
802.11ax80	5775	13.73	13.84	16.80	

Note: The maximum antenna gain is 5.5 dBi for band 1, 5.2 dBi for band 4.
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 $N_{ANT} \leqslant 4$

POWER SPECTRAL DENSITY

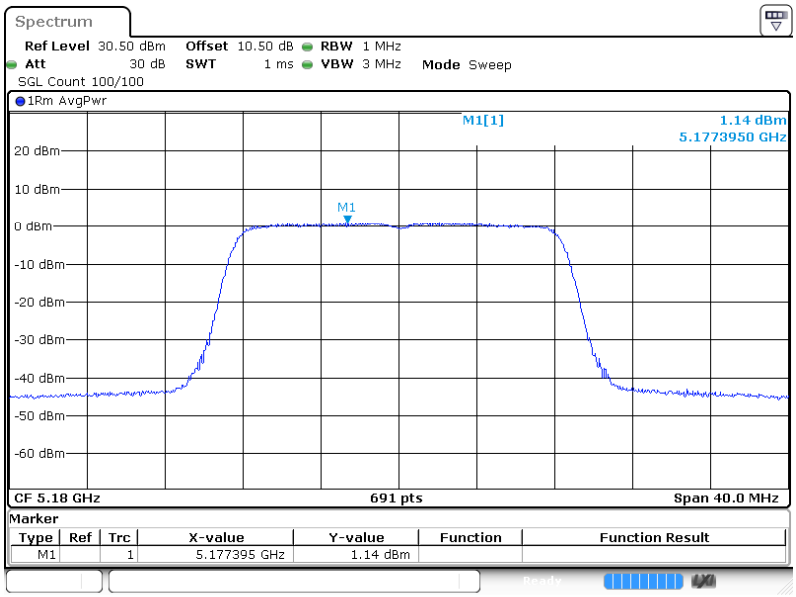
Test Mode: Transmitting

Band	Mode	Frequency (MHz)	PSD Result (dBm/MHz)					PSD Limit (dBm/MHz)
			Chain 0		Chain 1		Total	
			Reading	Result	Reading	Result		
5150-5250 MHz	802.11 a	5180	1.14	2.51	0.95	2.32	/	14.83
		5200	1.18	2.55	0.97	2.34	/	
		5240	1.00	2.37	0.77	2.14	/	
	802.11 ac20	5180	-3.91	-2.33	-3.47	-1.89	0.15	
		5200	-3.84	-2.26	-1.77	-0.19	1.00	
		5240	-4.50	-2.92	-3.79	-2.21	-0.32	
	802.11 ax20	5180	-4.07	-2.28	-3.91	-2.12	-0.01	
		5200	-3.90	-2.11	-3.77	-1.98	0.15	
		5240	-4.32	-2.53	-4.46	-2.67	-0.38	
	802.11 ac40	5190	-5.60	-2.87	-5.92	-3.19	-1.12	
		5230	-6.29	-3.56	-5.89	-3.16	-1.56	
	802.11 ax40	5190	-6.27	-3.32	-5.44	-2.49	-1.24	
		5230	-6.26	-3.31	-5.92	-2.97	-1.41	
	802.11 ac80	5210	-6.43	-2.04	-5.99	-1.60	-0.57	
	802.11 ax80	5210	-6.83	-2.34	-6.40	-2.01	-0.90	

Note: The device is an indoor access point device.
The device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for Power spectral density (PSD) measurements on the devices:
Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \ldots + 10^{GN/20})^2/N_{ANT}$] dBi.
Directional gain = Band 1: 8.17 dBi
The Power density Limits was reduce Band 1:2.17 dB
Result=Reading+ Duty cycle factor

5150MHz-5250 MHz Band:

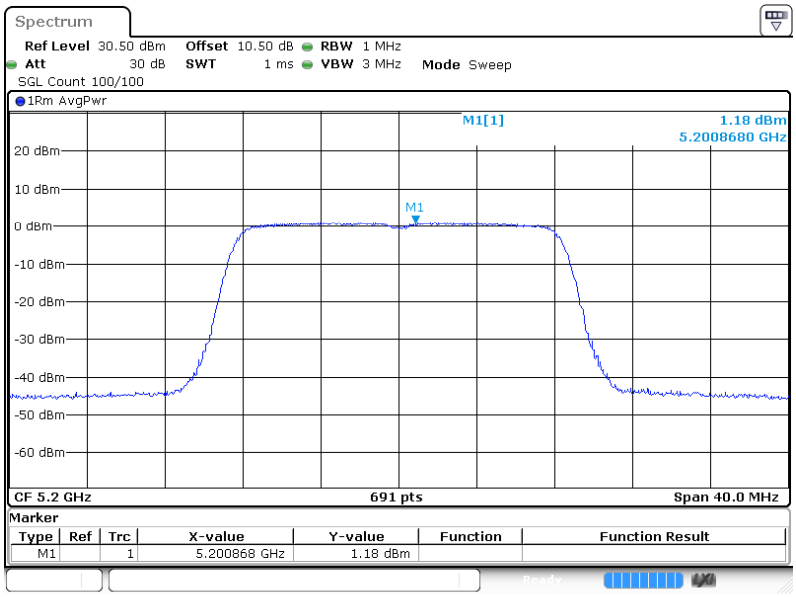
802.11a mode, Power spectral density-5180MHz



ProjectNo.:RKSA240119004 Tester:Jason Lu

Date: 27.JUN.2024 09:57:59

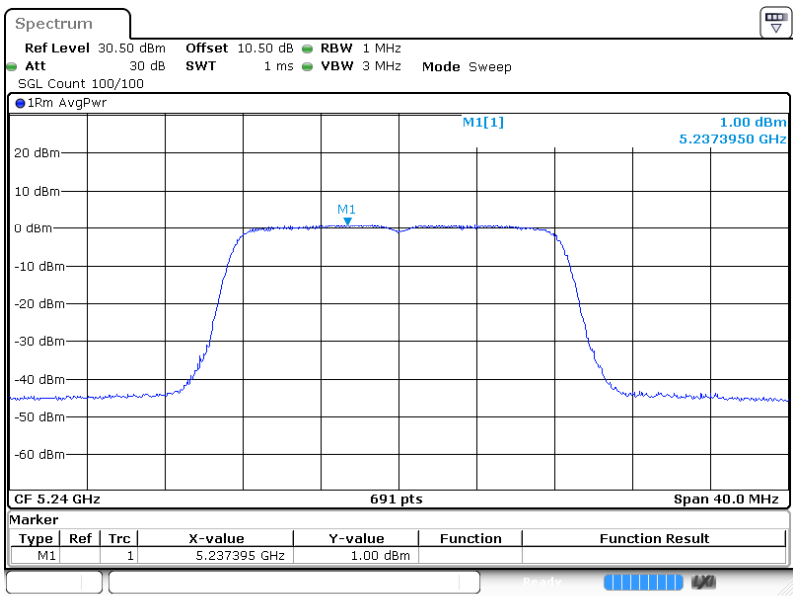
802.11a mode, Power spectral density-5200MHz



ProjectNo.:RKSA240119004 Tester:Jason Lu

Date: 27.JUN.2024 09:57:27

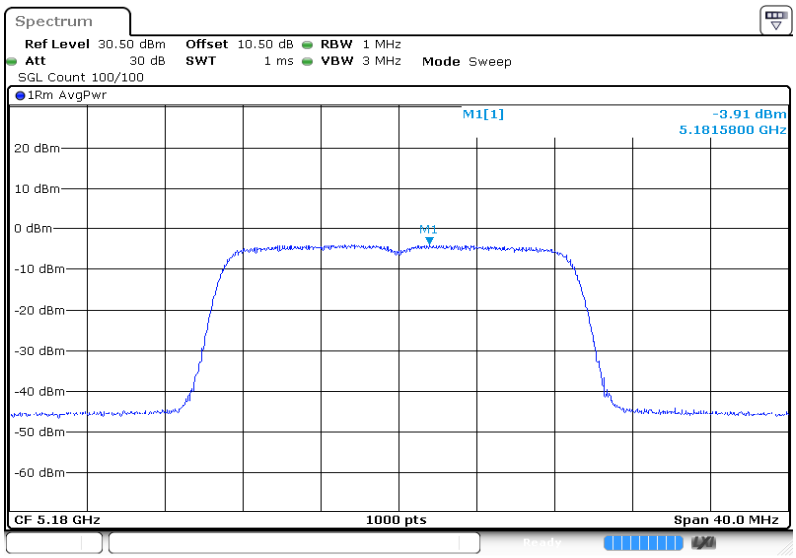
802.11a mode, Power spectral density-5240MHz



ProjectNo.:RKSA240119004 Tester:Jason Lu

Date: 27.JUN.2024 09:56:48

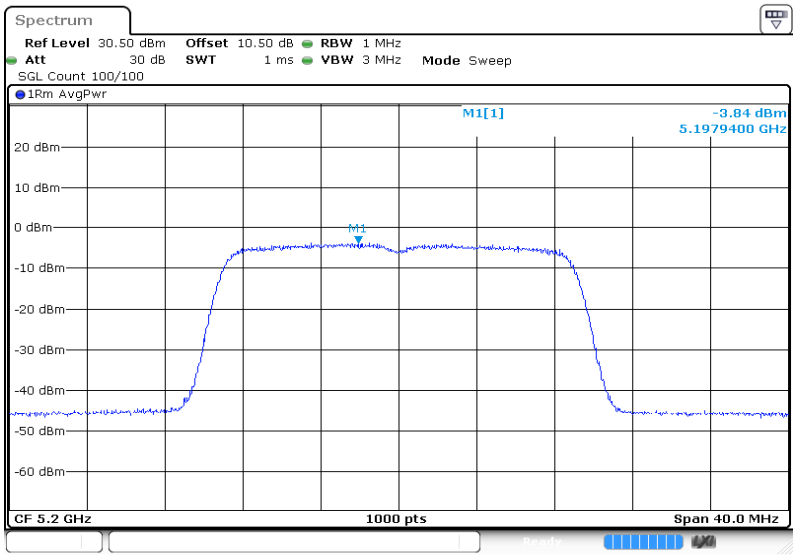
802.11ac20 mode, Power spectral density-5180MHz



ProjectNo.:RKSA240119004 Tester:Jason Lu

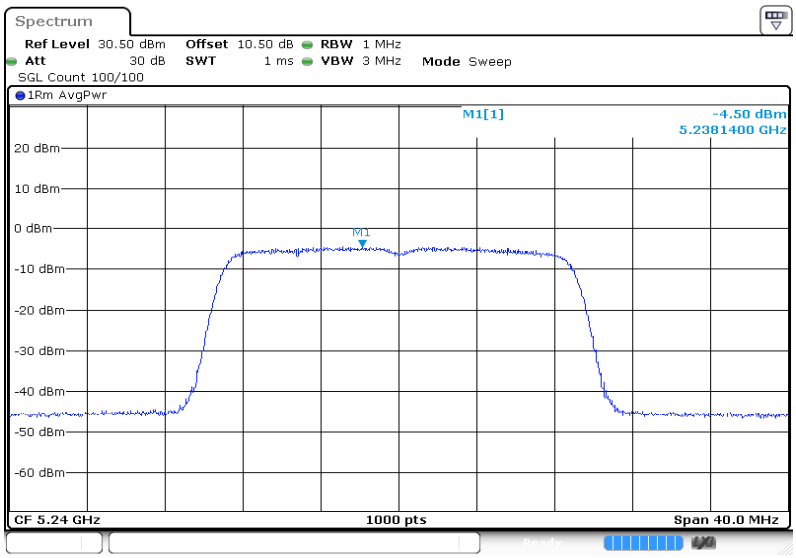
Date: 1.JUL.2024 16:14:32

802.11 ac20 mode, Power spectral density-5200MHz



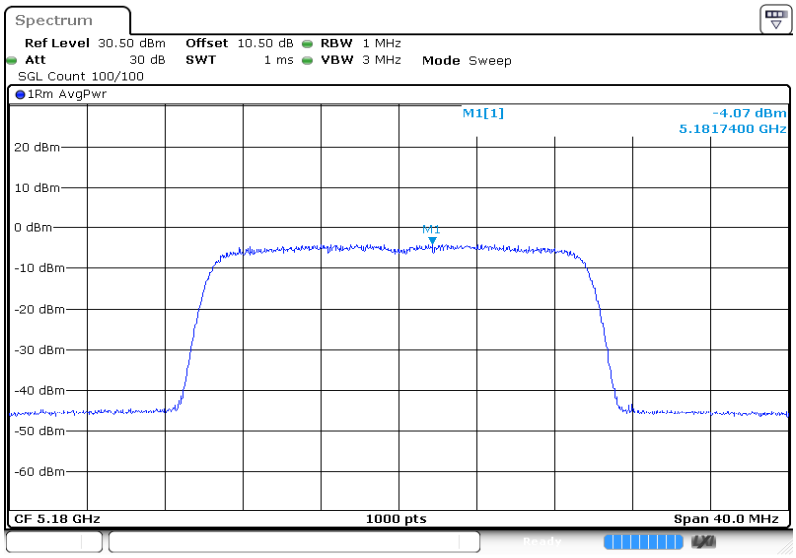
ProjectNo.:RKSA240119004 Tester:Jason Lu
Date: 1.JUL.2024 16:14:52

802.11 ac20 mode, Power spectral density-5240MHz



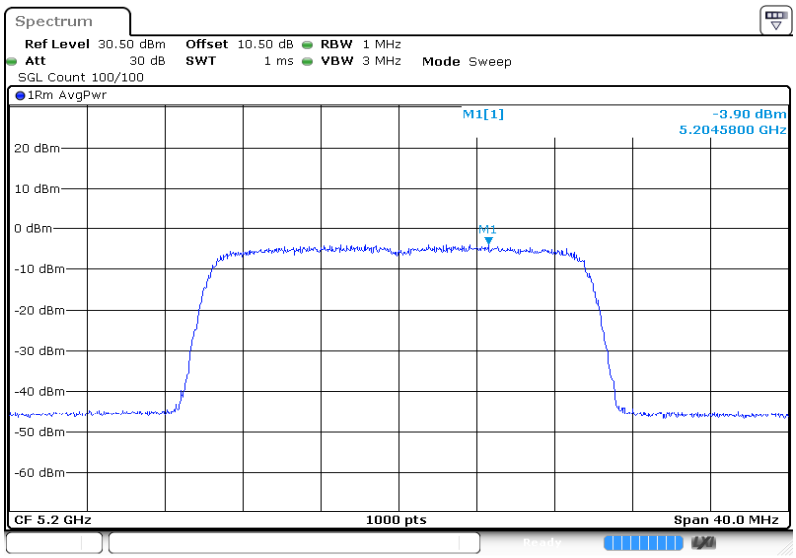
ProjectNo.:RKSA240119004 Tester:Jason Lu
Date: 1.JUL.2024 16:15:18

802.11ax20 mode, Power spectral density-5180MHz



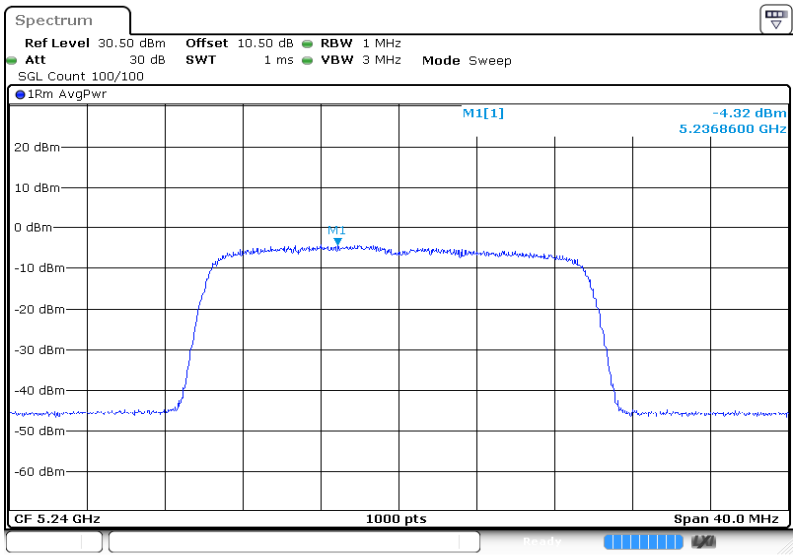
ProjectNo.:RKSA240119004 Tester:Jason Lu
Date: 1.JUL.2024 16:16:38

802.11 ax20 mode, Power spectral density-5200MHz



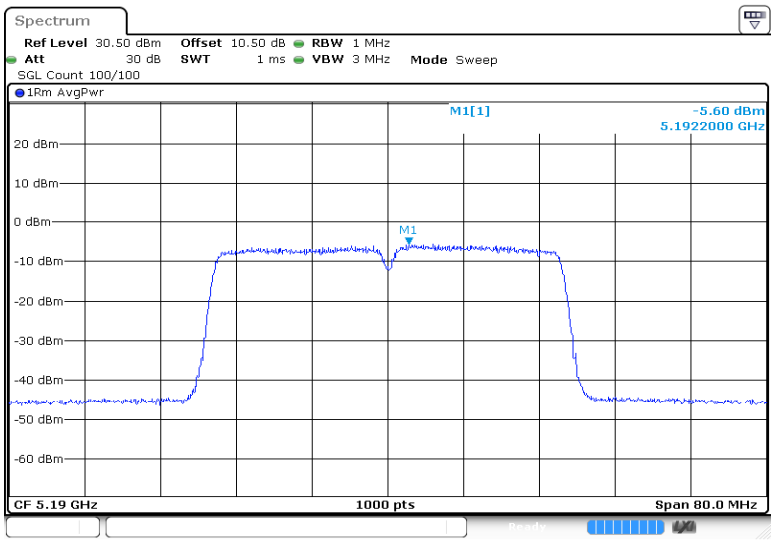
ProjectNo.:RKSA240119004 Tester:Jason Lu
Date: 1.JUL.2024 16:16:58

802.11 ax20 mode, Power spectral density-5240MHz



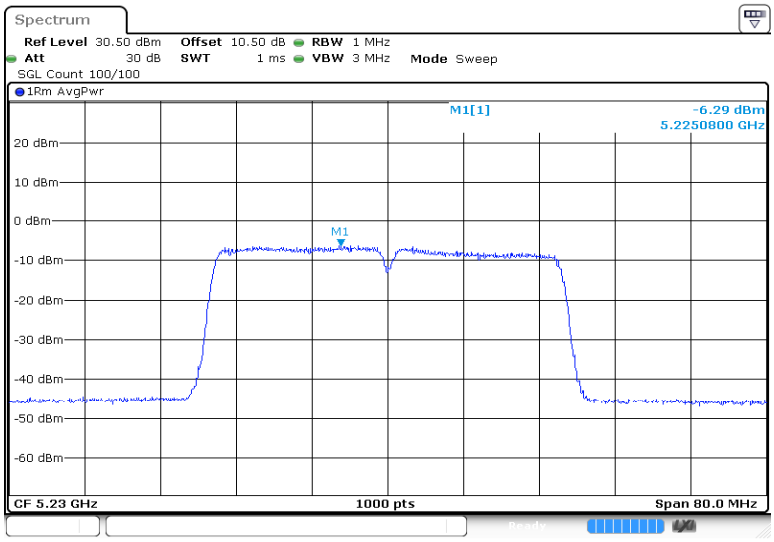
ProjectNo.:RKSA240119004 Tester:Jason Lu
Date: 1.JUL.2024 16:17:19

802.11ac40 mode, Power spectral density-5190MHz



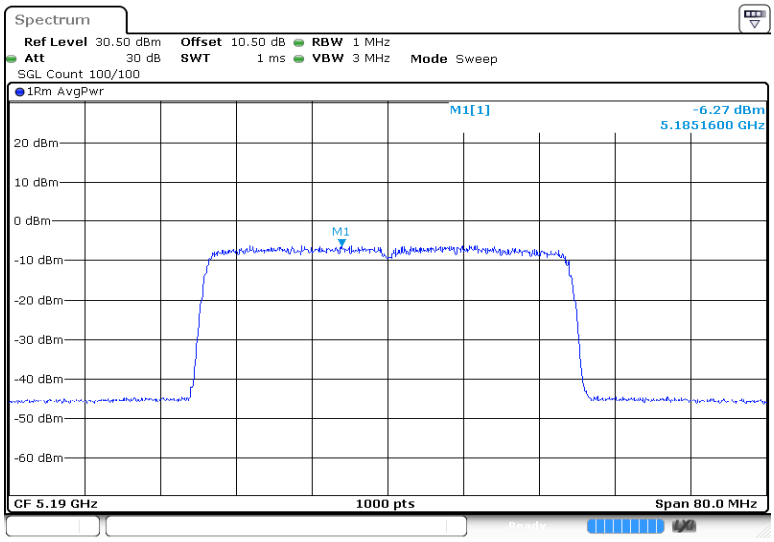
ProjectNo.:RKSA240119004 Tester:Jason Lu
Date: 1.JUL.2024 16:15:48

802.11 ac40 mode, Power spectral density-5230MHz



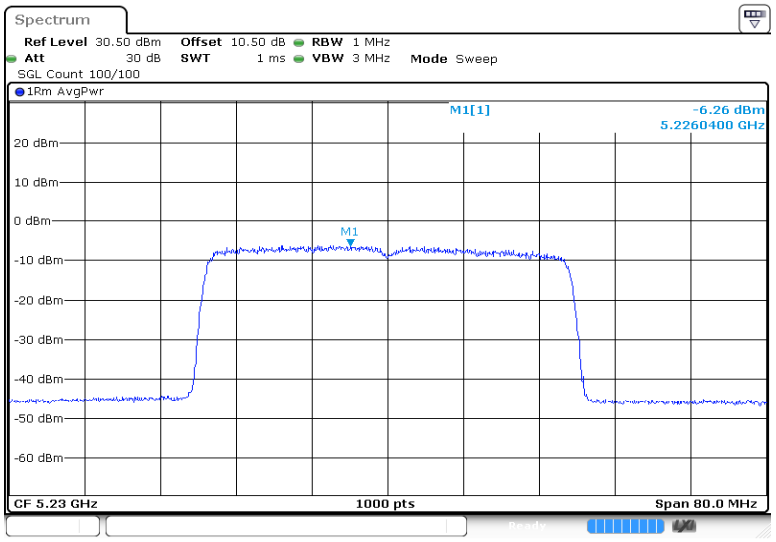
ProjectNo.:RKSA240119004 Tester:Jason Lu
Date: 1.JUL.2024 16:16:09

802.11 ax40 mode, Power spectral density-5190MHz



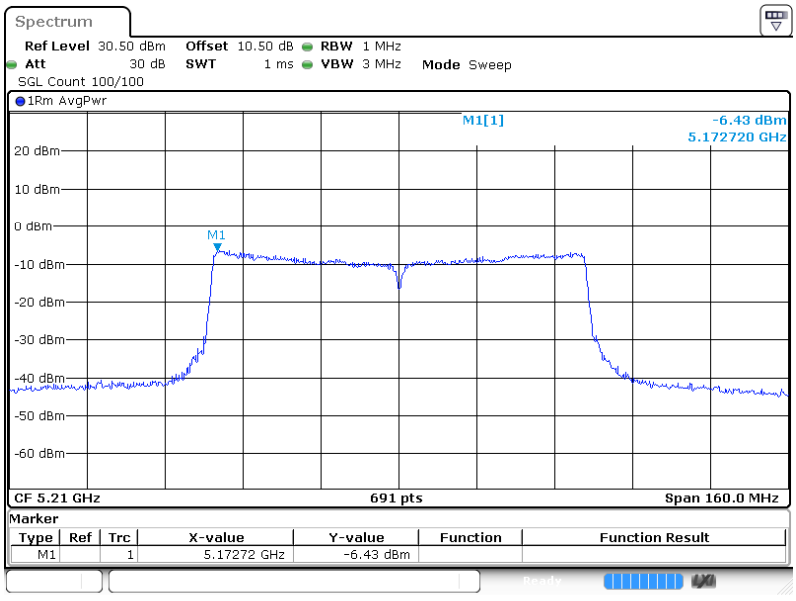
ProjectNo.:RKSA240119004 Tester:Jason Lu
Date: 1.JUL.2024 16:17:44

802.11 ax40 mode, Power spectral density-5230MHz



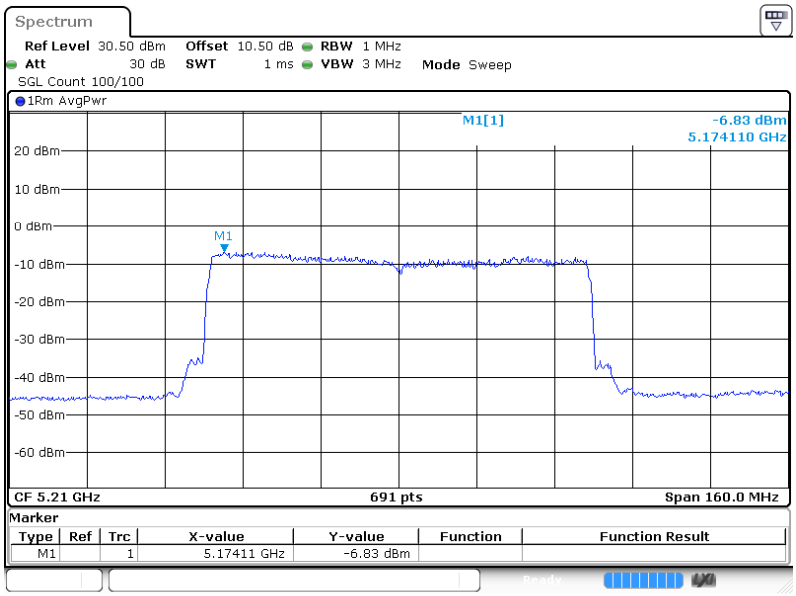
ProjectNo.:RKSA240119004 Tester:Jason Lu
Date: 1.JUL.2024 16:18:03

802.11 ac80 mode, Power spectral density-5210MHz



ProjectNo.:RKSA240119004 Tester:Jason Lu
Date: 27.JUN.2024 09:49:49

802.11 ax80 mode, Power spectral density-5210MHz

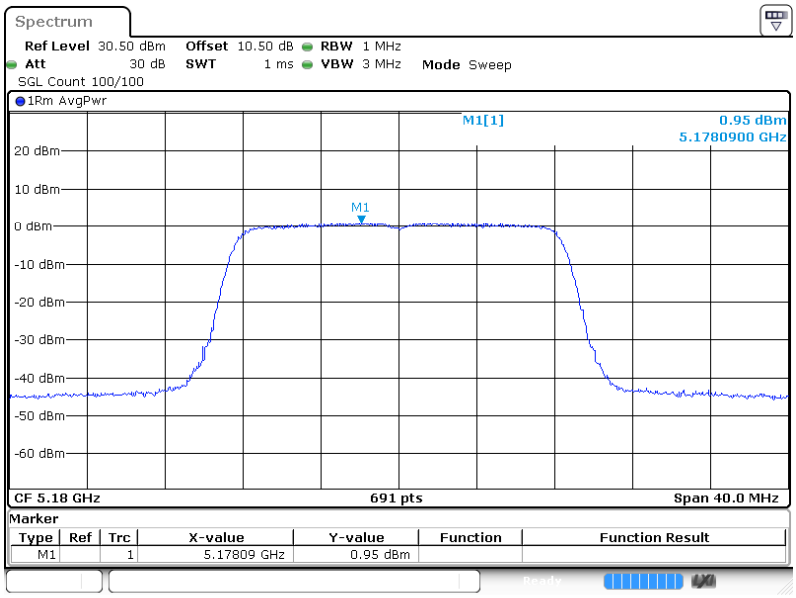


ProjectNo.:RKSA240119004 Tester:Jason Lu

Date: 27.JUN.2024 10:09:56

Chain 1:

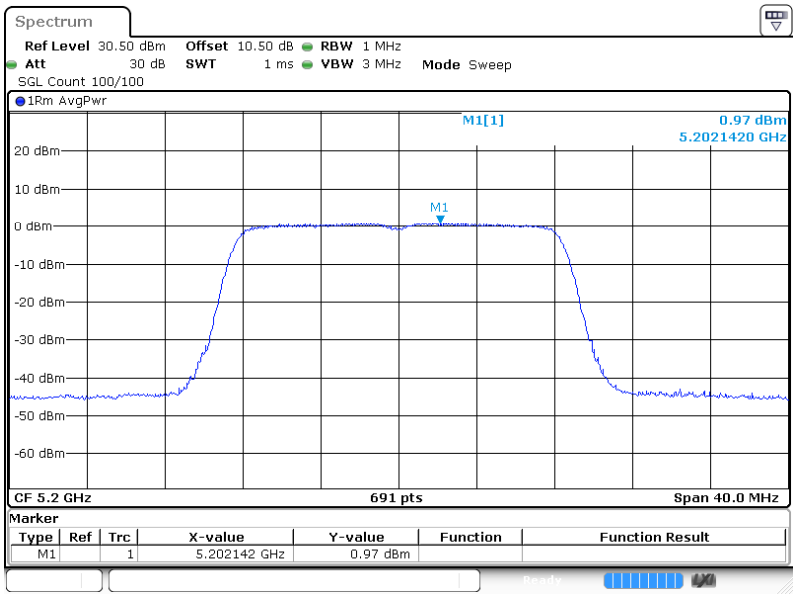
802.11a mode, Power spectral density-5180MHz



ProjectNo.:RKSA240119004 Tester:Jason Lu

Date: 27.JUN.2024 09:58:09

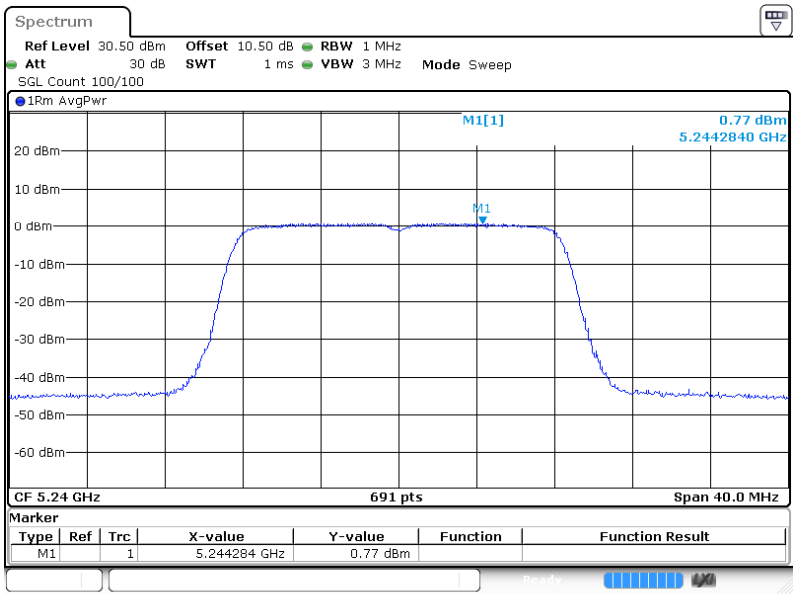
802.11a mode, Power spectral density-5200MHz



ProjectNo.:RKSA240119004 Tester:Jason Lu

Date: 27.JUN.2024 09:57:37

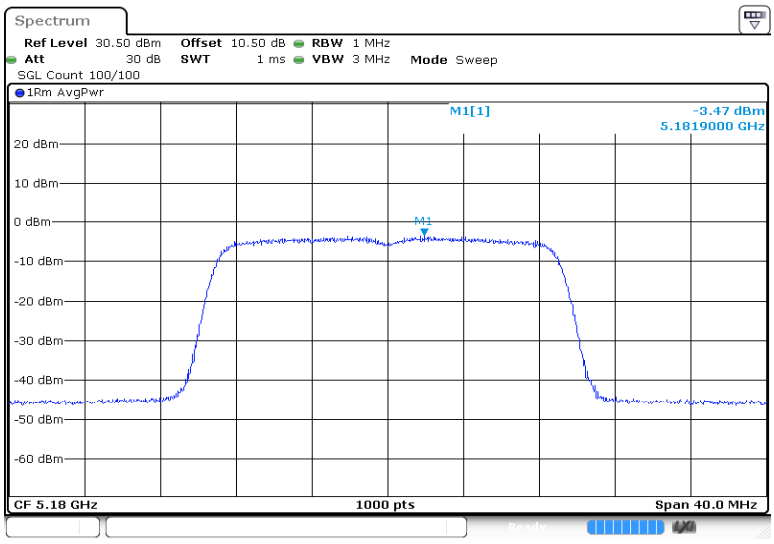
802.11a mode, Power spectral density-5240MHz



ProjectNo.:RKSA240119004 Tester:Jason Lu

Date: 27.JUN.2024 09:57:01

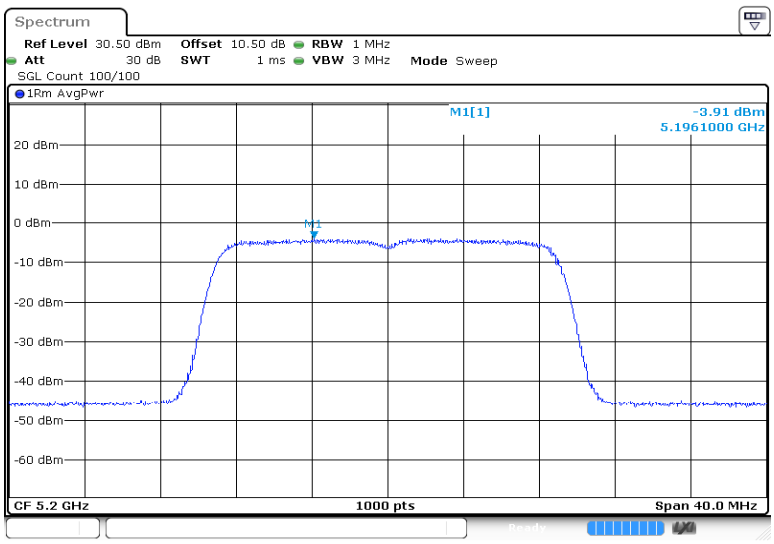
802.11ac20 mode, Power spectral density-5180MHz



ProjectNo.:RKSA240119004 Tester:Jason Lu

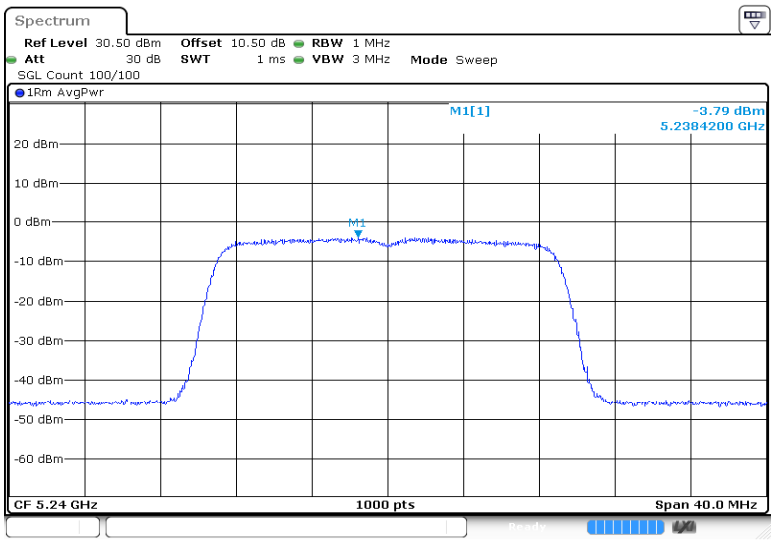
Date: 1.JUL.2024 16:19:14

802.11 ac20 mode, Power spectral density-5200MHz



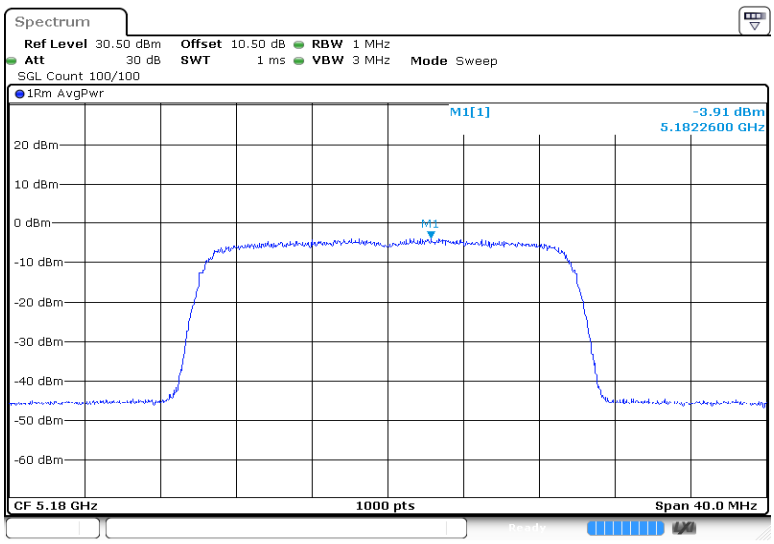
ProjectNo.:RKSA240119004 Tester:Jason Lu
Date: 1.JUL.2024 16:19:33

802.11 ac20 mode, Power spectral density-5240MHz



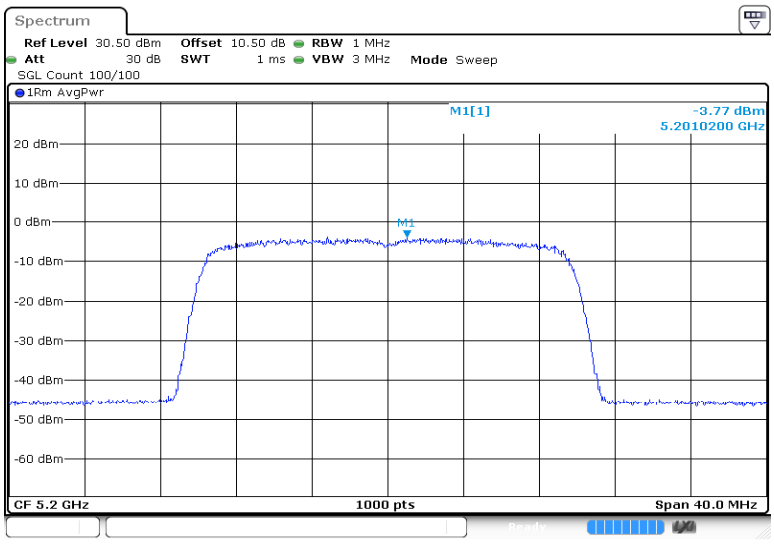
ProjectNo.:RKSA240119004 Tester:Jason Lu
Date: 1.JUL.2024 16:19:51

802.11ax20 mode, Power spectral density-5180MHz



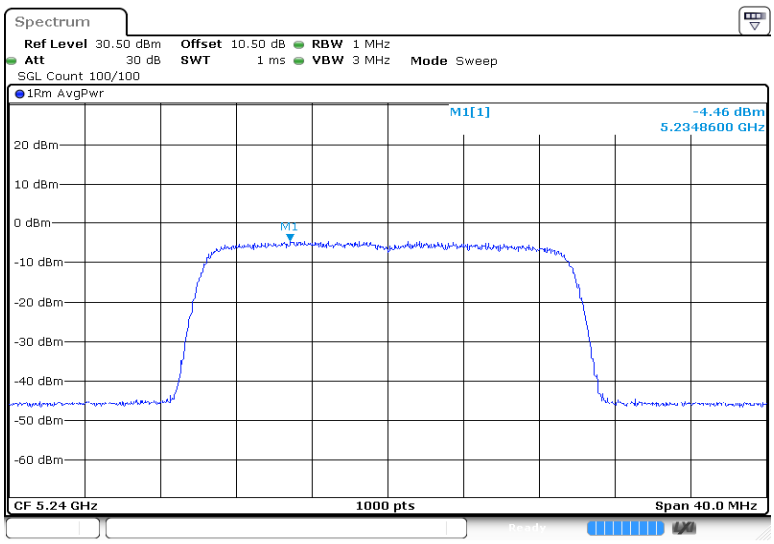
ProjectNo.:RKSA240119004 Tester:Jason Lu
Date: 1.JUL.2024 16:24:08

802.11 ax20 mode, Power spectral density-5200MHz



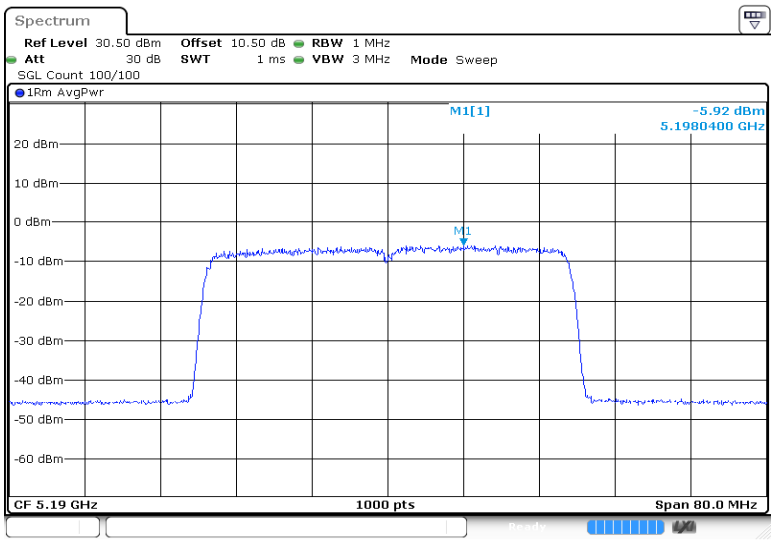
ProjectNo.:RKSA240119004 Tester:Jason Lu
Date: 1.JUL.2024 16:24:29

802.11 ax20 mode, Power spectral density-5240MHz



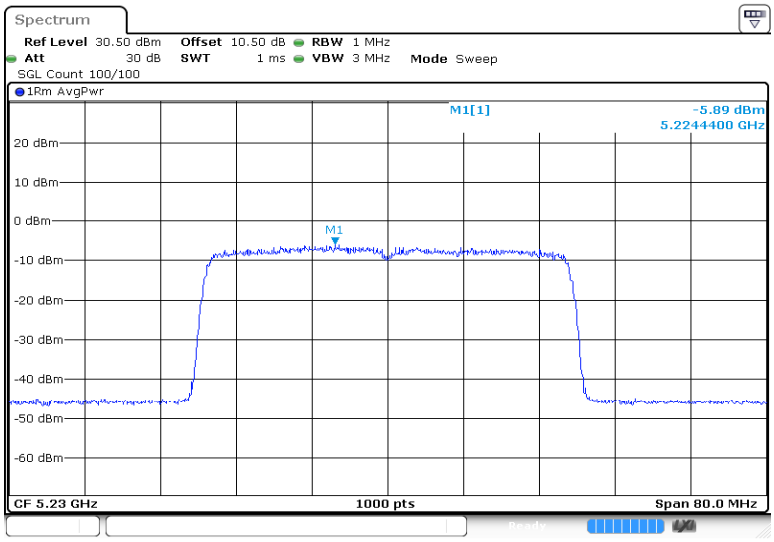
ProjectNo.:RKSA240119004 Tester:Jason Lu
Date: 1.JUL.2024 16:24:48

802.11ac40 mode, Power spectral density-5190MHz



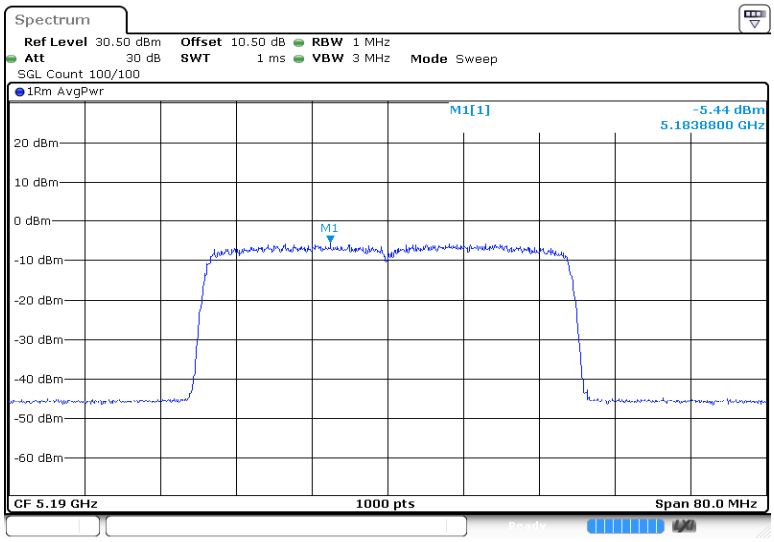
ProjectNo.:RKSA240119004 Tester:Jason Lu
Date: 1.JUL.2024 16:20:17

802.11 ac40 mode, Power spectral density-5230MHz



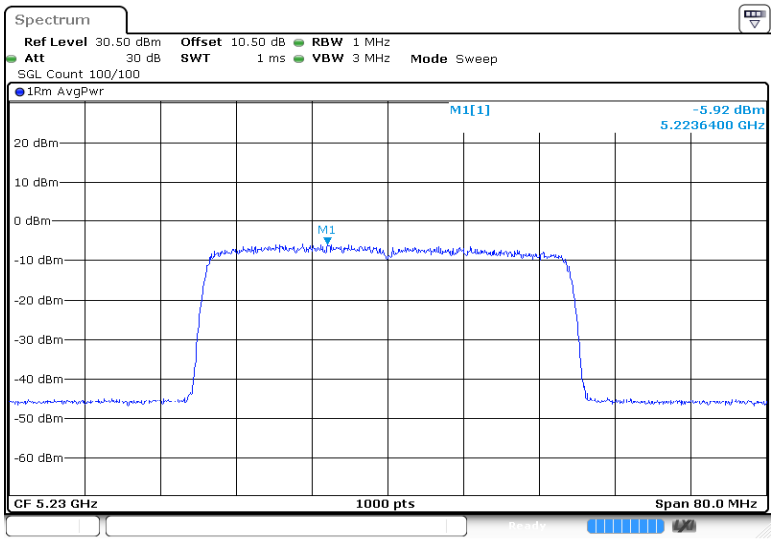
ProjectNo.:RKSA240119004 Tester:Jason Lu
Date: 1.JUL.2024 16:20:35

802.11 ax40 mode, Power spectral density-5190MHz



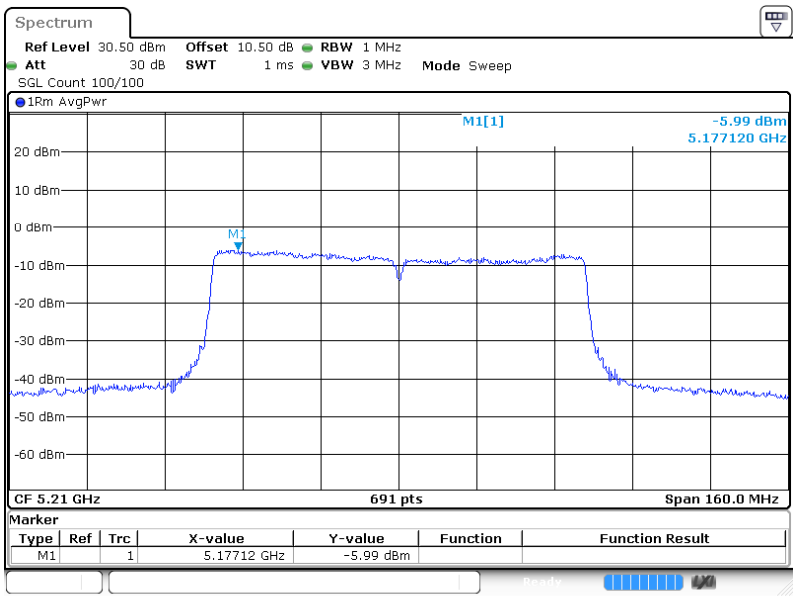
ProjectNo.:RKSA240119004 Tester:Jason Lu
Date: 1.JUL.2024 16:22:31

802.11 ax40 mode, Power spectral density-5230MHz



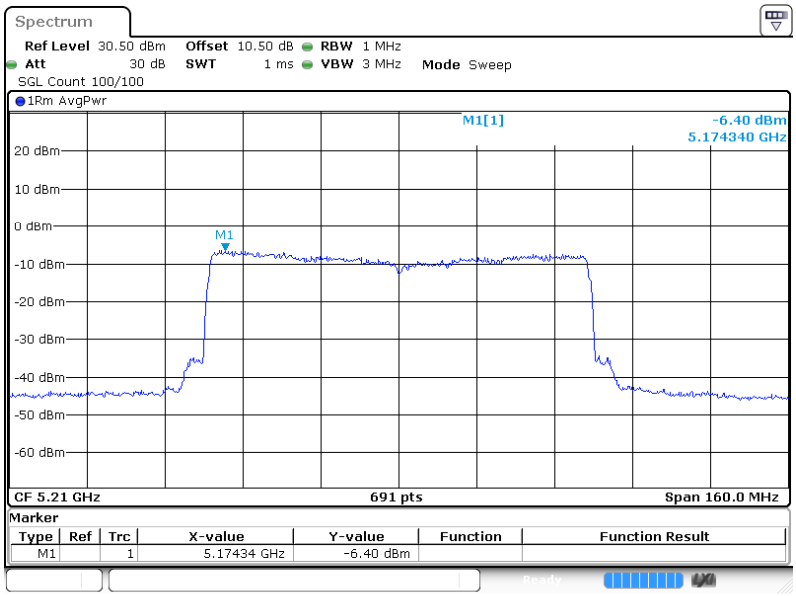
ProjectNo.:RKSA240119004 Tester:Jason Lu
Date: 1.JUL.2024 16:22:49

802.11 ac80 mode, Power spectral density-5210MHz



ProjectNo.:RKSA240119004 Tester:Jason Lu
Date: 27.JUN.2024 09:50:15

802.11 ax80 mode, Power spectral density-5210MHz



ProjectNo.:RKSA240119004 Tester:Jason Lu

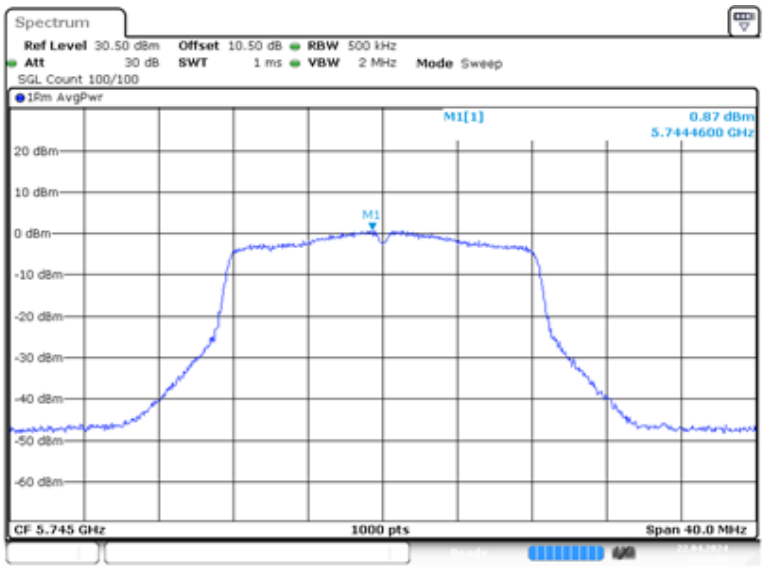
Date: 27.JUN.2024 10:10:36

Band	Mode	Frequency (MHz)	Result (dBm/500KHz)			Limit (dBm/500KHz)
			Chain 0	Chain 1	Total	
5725-5850 MHz	802.11 a	5745	0.87	1.09	/	28.04
		5785	1.56	1.59	/	
		5825	2.28	1.54	/	
	802.11 ac20	5745	0.07	0.14	3.12	
		5785	0.78	0.61	3.71	
		5825	1.35	1.07	4.22	
	802.11 ax20	5745	0.34	0.19	3.28	
		5785	1.33	0.94	4.15	
		5825	1.36	1.38	4.38	
	802.11 ac40	5755	-1.95	-1.65	1.21	
		5795	-1.19	-1.49	1.67	
	802.11 ax40	5755	-1.88	-2.52	0.82	
		5795	-1.42	-1.78	1.41	
	802.11 ac80	5775	-4.40	-4.37	-1.37	
	802.11 ax80	5775	-4.57	-4.40	-1.47	

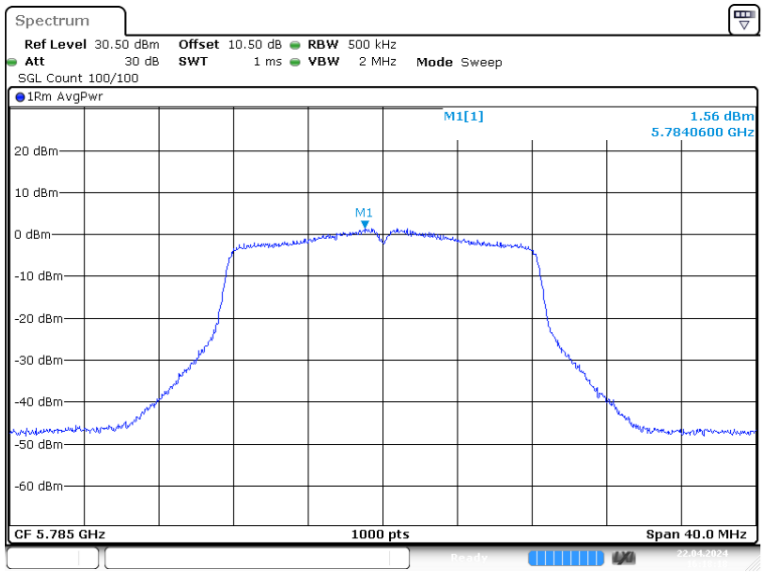
Note：The device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for Power spectral density (PSD) measurements on the devices:
Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \ldots + 10^{GN/20})^2/N_{ANT}$] dBi.
Directional gain = Band 4: 7.96 dBi
The Power density Limits was reduce Band 4: 1.96 dB

5725MHz-5850 MHz Band:
Chain 0:

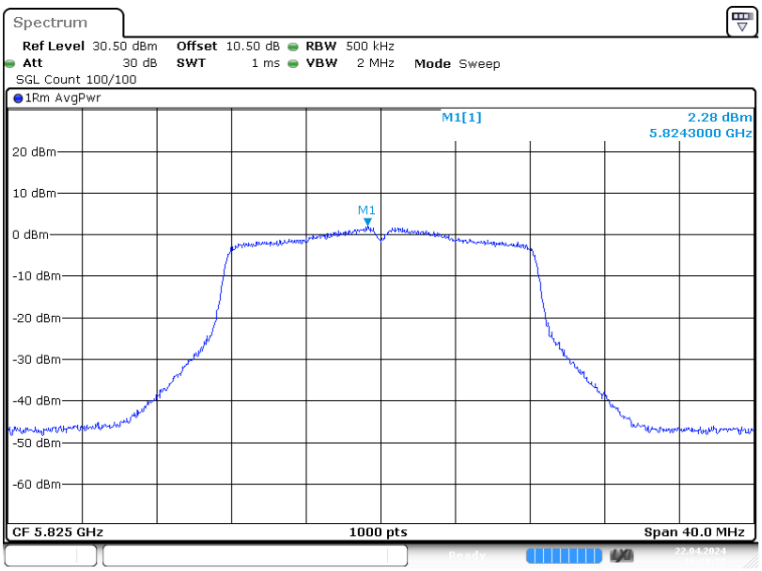
802.11a mode, Power spectral density-5745MHz



802.11a mode, Power spectral density-5785MHz

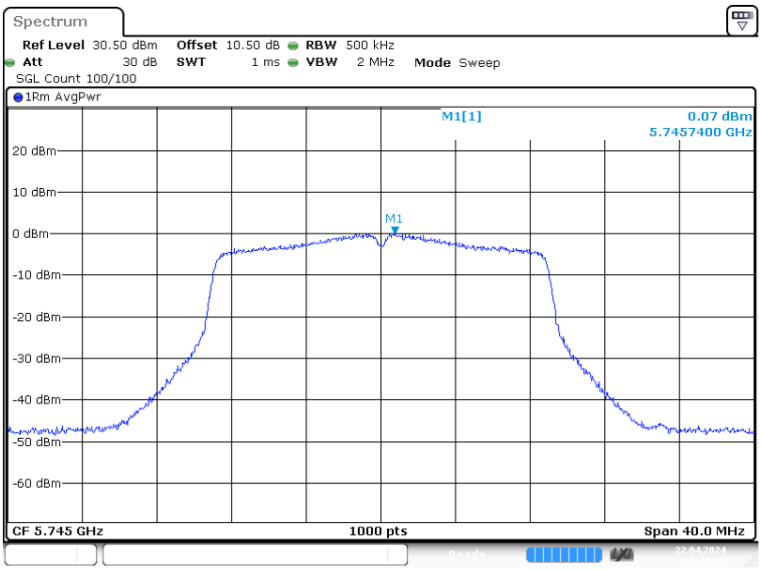


802.11a mode, Power spectral density-5825MHz



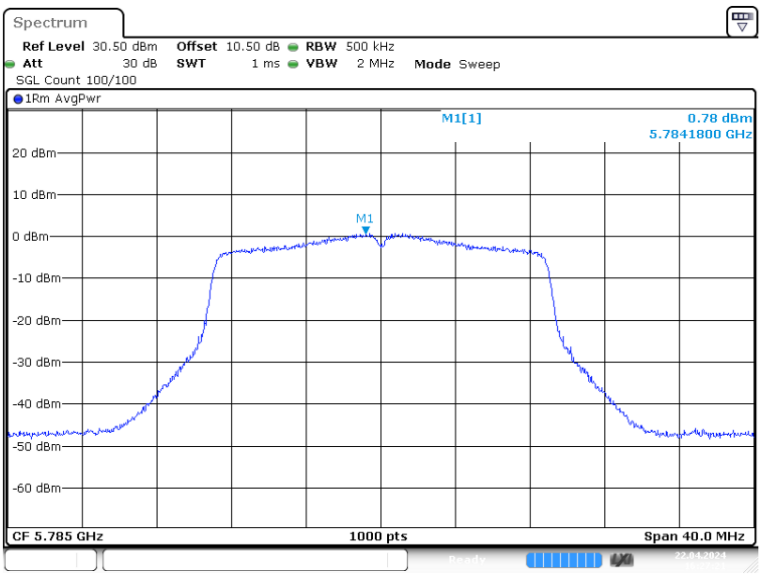
ProjectNo.:RKSA240119004 Tester:Bard Liu
Date: 22.APR.2024 16:20:39

802.11ac20 mode, Power spectral density-5745MHz



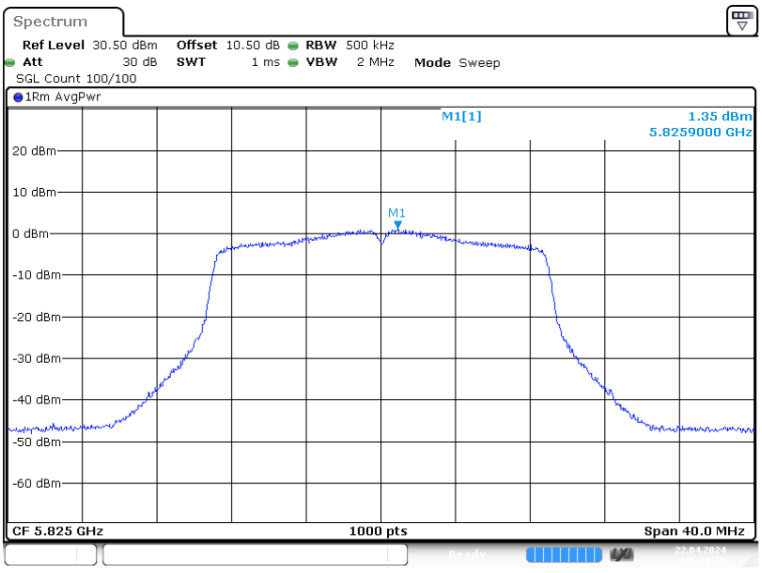
ProjectNo.:RKSA240119004 Tester:Bard Liu
Date: 22.APR.2024 16:24:45

802.11 ac20 mode, Power spectral density-5785MHz



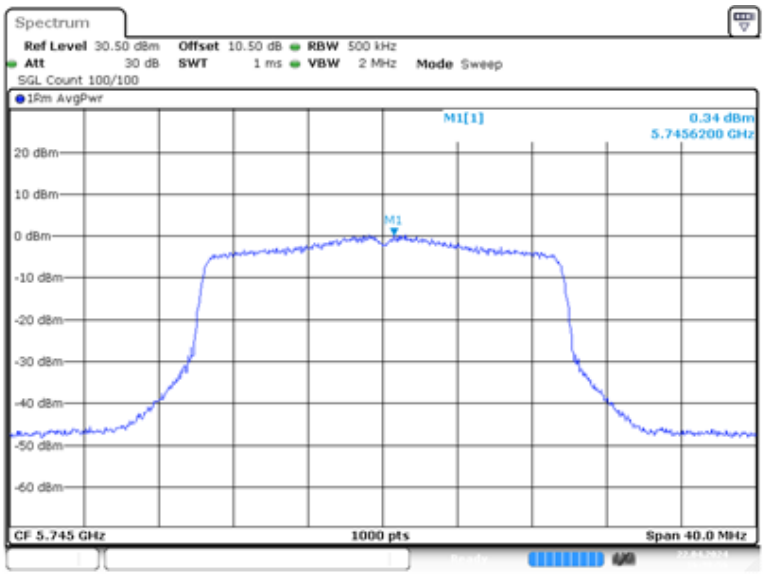
ProjectNo.:RKSA240119004 Tester:Bard Liu
Date: 22.APR.2024 16:27:21

802.11 ac20 mode, Power spectral density-5825MHz



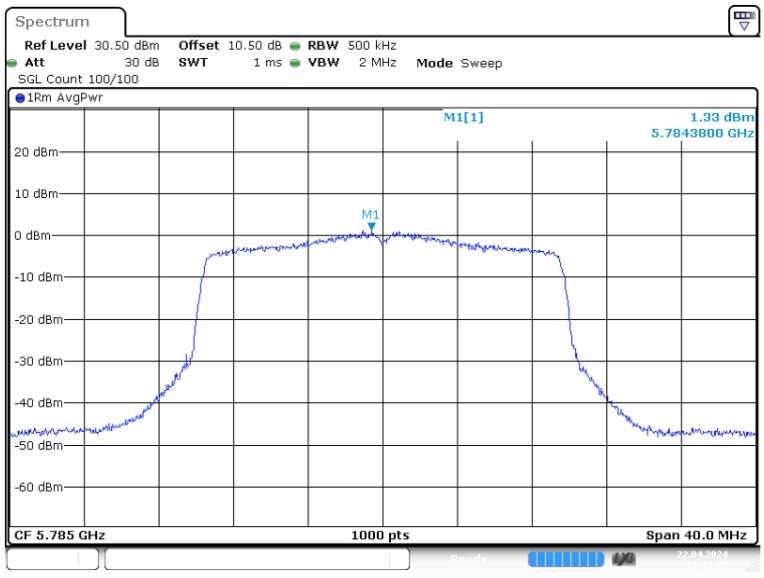
ProjectNo.:RKSA240119004 Tester:Bard Liu
Date: 22.APR.2024 16:29:26

802.11ax20 mode, Power spectral density-5745MHz



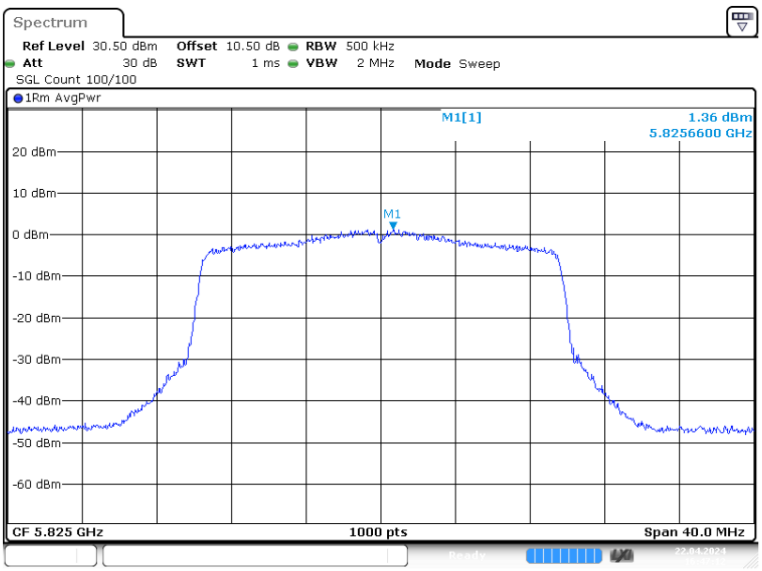
ProjectNo.:RKSA240119004 Tester:Bard Liu
Date: 22.APR.2024 16:38:57

802.11 ax20 mode, Power spectral density-5785MHz



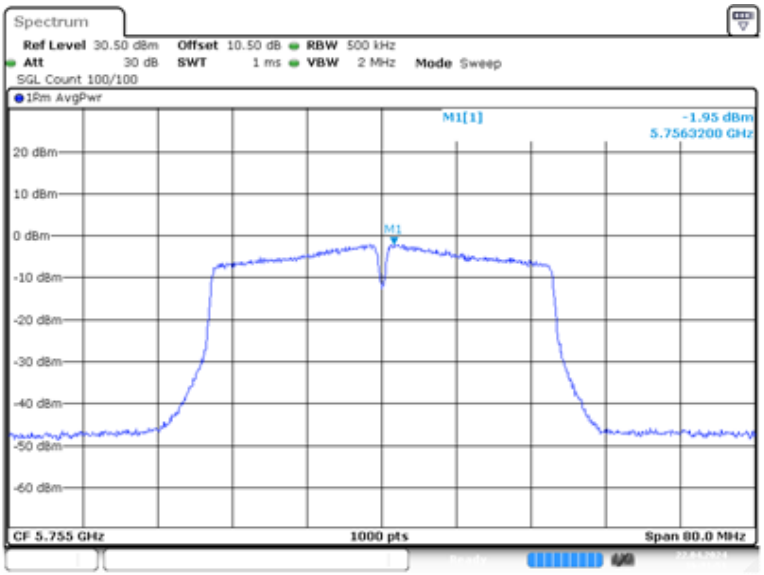
ProjectNo.:RKSA240119004 Tester:Bard Liu
Date: 22.APR.2024 16:41:22

802.11 ax20 mode, Power spectral density-5825MHz



ProjectNo.:RKSA240119004 Tester:Bard Liu
Date: 22.APR.2024 16:47:13

802.11ac40 mode, Power spectral density-5775MHz



ProjectNo.:RKSA240119004 Tester:Bard Liu
Date: 22.APR.2024 16:31:51