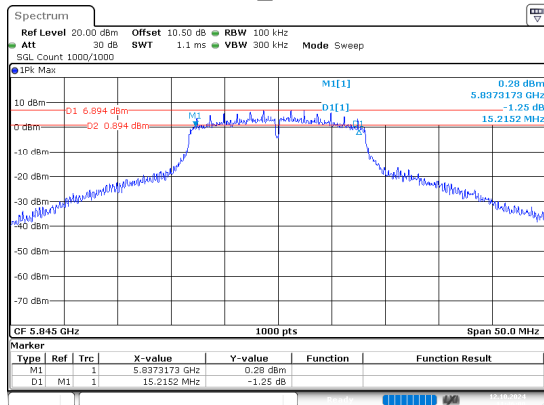


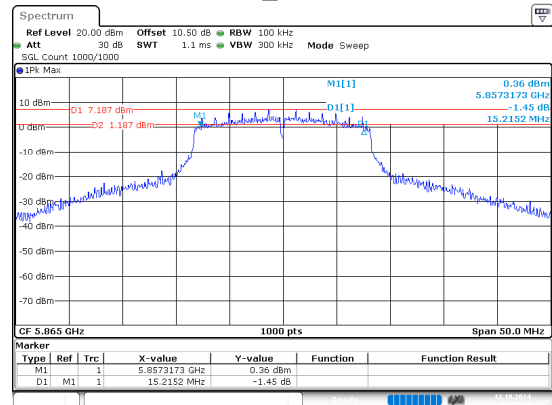
5850-5895MHz

802.11a_5845MHz



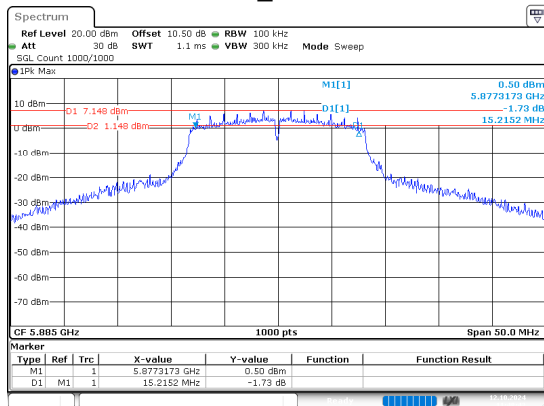
ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 12.OCT.2024 11:46:00

802.11a_5865MHz



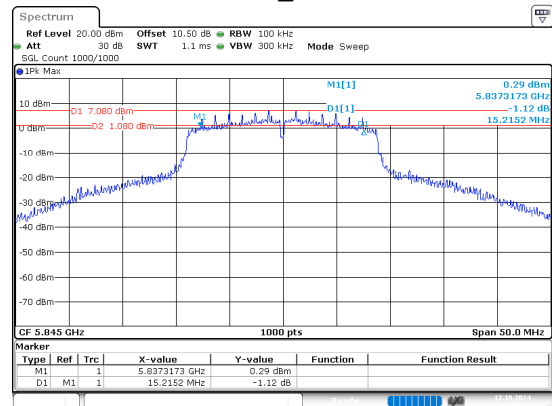
ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 12.OCT.2024 11:47:24

802.11a_5885MHz



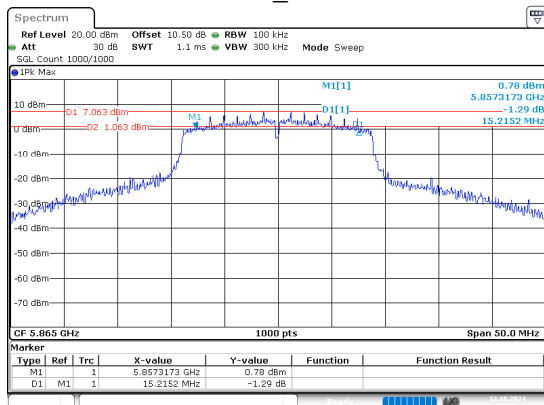
ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 12.OCT.2024 11:48:43

802.11n20_5845MHz



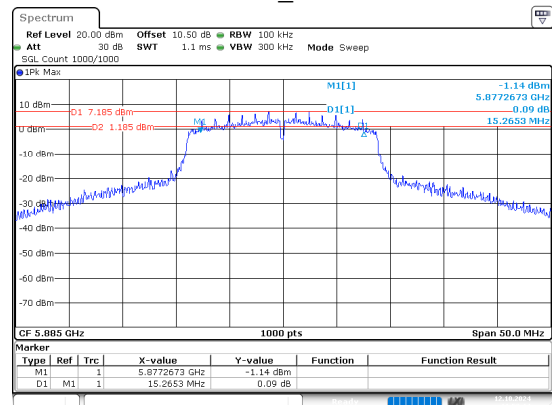
ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 12.OCT.2024 11:50:06

802.11n20_5865MHz



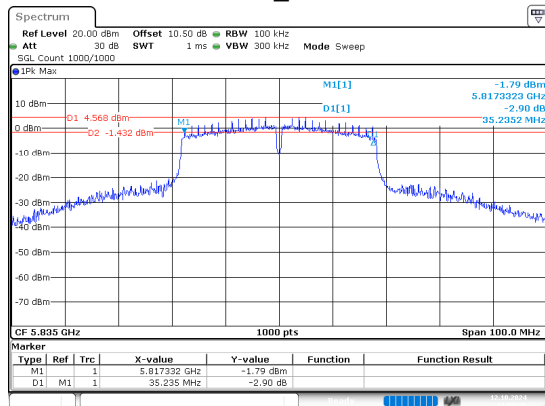
ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 12.OCT.2024 11:51:48

802.11n20_5885MHz



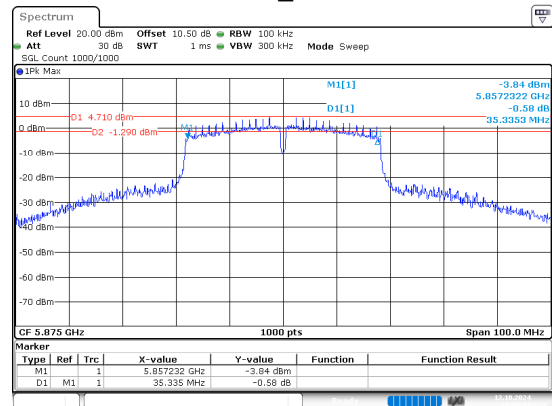
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Date: 12.OCT.2024 11:53:15

802.11n40_5835MHz



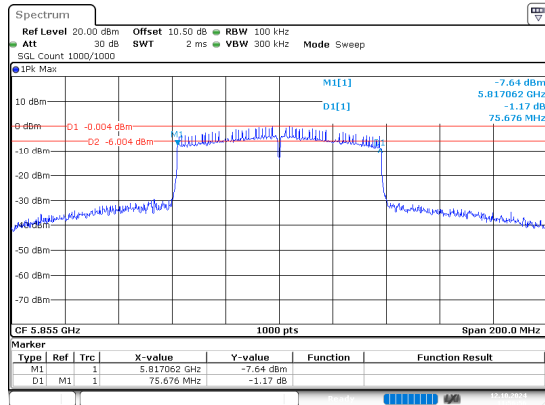
ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 12.OCT.2024 11:54:36

802.11n40_5875MHz



ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 12.OCT.2024 11:55:46

802.11ac80_5855MHz



ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 12.OCT.2024 11:56:56

5.5 99% Occupied Bandwidth**Test Information:**

Serial No.:	2QUD-5	Test Date:	2024/10/11~2024/10/12
Test Site:	RF	Test Mode:	Transmitting
Tester:	Jeff Wei	Test Result:	/

Environmental Conditions:

Temperature: (°C):	26.1-26.3	Relative Humidity: (%)	43-44	ATM Pressure: (kPa)	100.9-101.5
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Eastsheep	Coaxial Attenuator	5W-N-JK-6G-10dB	F-08-EM503	2024/06/07	2025/06/06
R&S	Spectrum Analyzer	FSV40	101589	2024/09/05	2025/09/04

** Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:**5150-5250MHz**

Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11a	5180	16.600
	5200	16.600
	5240	16.600
802.11n20	5180	17.650
	5200	17.650
	5240	17.700
802.11n40	5190	36.100
	5230	36.200
802.11ac80	5210	75.200

Note:

The 99% Occupied Bandwidth have not fall into the band 5250-5350MHz, please refer to the test plots of 99% Occupied Bandwidth.

5250-5350MHz

Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11a	5260	16.600
	5280	16.600
	5320	16.600
802.11n20	5260	17.700
	5280	17.700
	5320	17.700
802.11n40	5270	36.300
	5310	36.200
802.11ac80	5290	75.200

5470-5725MHz

Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11a	5500	16.600
	5580	16.600
	5700	16.650
	5720	16.650
802.11n20	5500	17.700
	5580	17.750
	5700	17.750
	5720	17.700
802.11n40	5510	36.300
	5550	36.300
	5670	36.400
	5710	36.300
802.11ac80	5530	75.400
	5610	75.400
	5690	75.400

5725-5850MHz

Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11a	5745	16.750
	5785	16.750
	5825	16.750
802.11n20	5745	17.850
	5785	17.850
	5825	17.800
802.11n40	5755	36.600
	5795	36.800
802.11ac80	5775	90.600

Note:

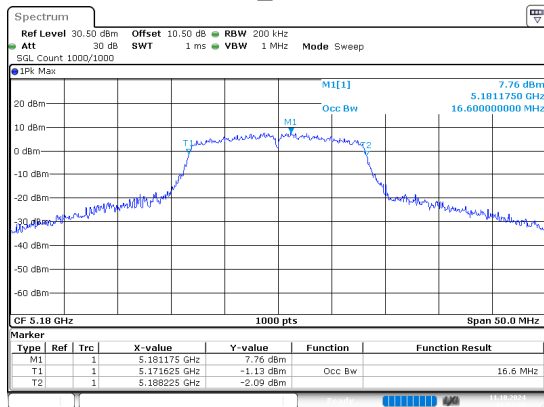
The 99% Occupied Bandwidth have not fall into the band 5470-5725MHz, please refer to the test plots of 99% Occupied Bandwidth.

5850-5895MHz

Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11a	5845	16.950
	5865	16.750
	5885	16.750
802.11n20	5845	17.900
	5865	17.850
	5885	17.750
802.11n40	5835	36.700
	5875	36.800
802.11ac80	5855	75.400

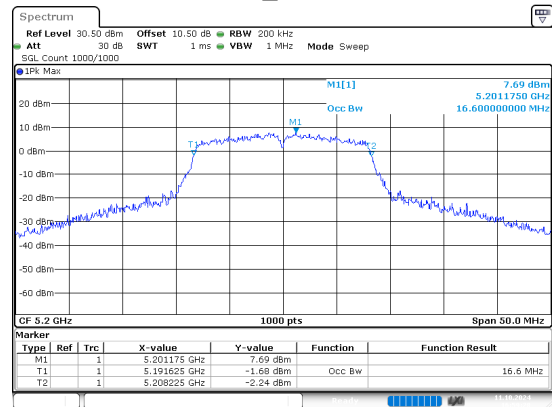
5150-5250MHz

802.11a_5180MHz



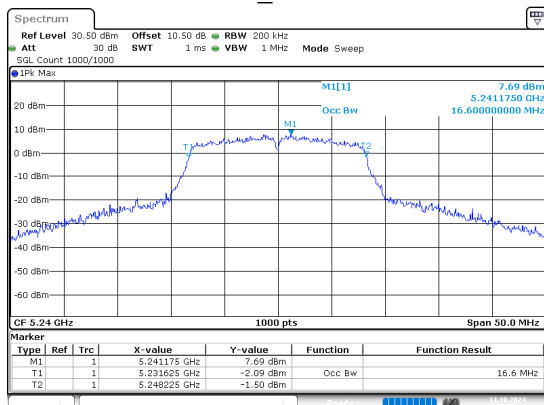
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Date: 11.OCT.2024 16:57:27

802.11a_5200MHz



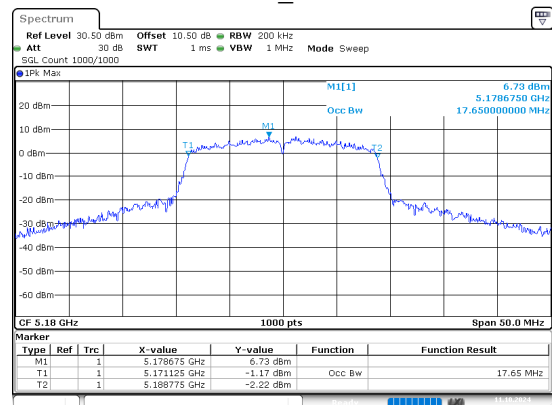
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Date: 11.OCT.2024 16:59:28

802.11a_5240MHz



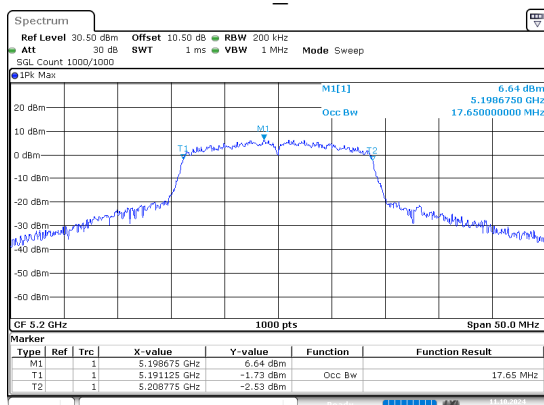
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802.11n20_5180MHz



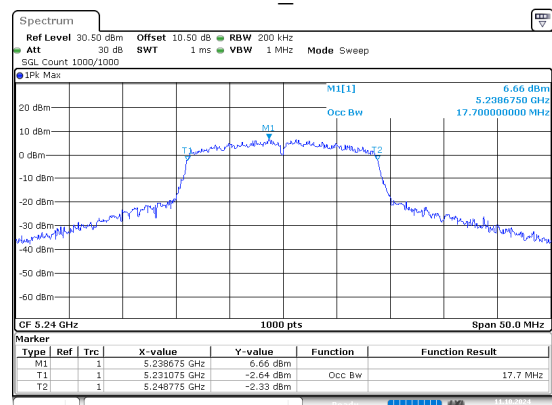
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802.11n20_5200MHz



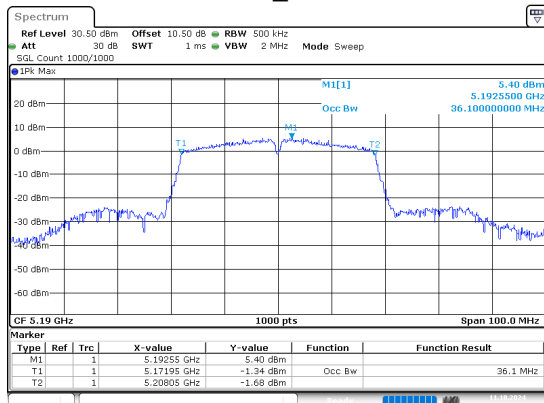
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802.11n20_5240MHz



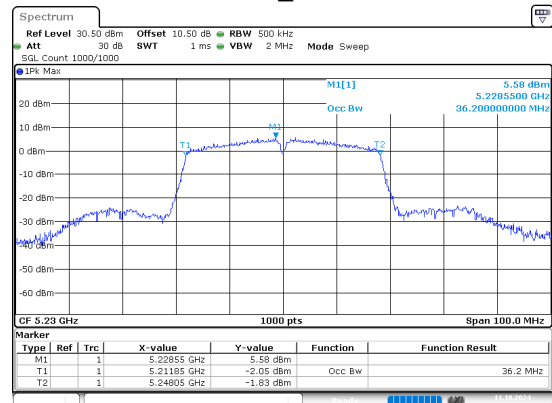
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Date: 11.OCT.2024 17:06:44

802.11n40_5190MHz



ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 11.OCT.2024 17:11:00

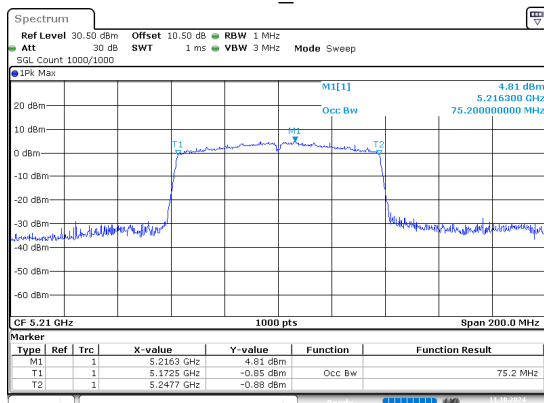
802.11n40_5230MHz



ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 11.OCT.2024 17:12:06

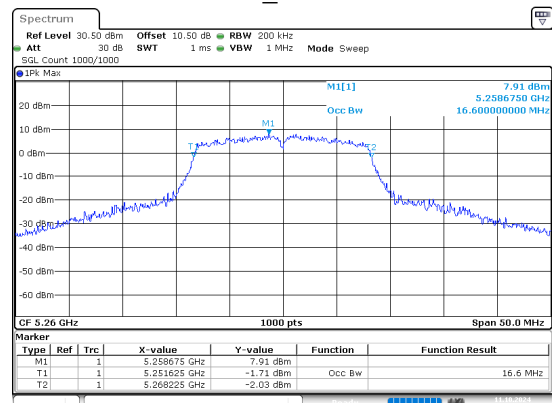
5250-5350MHz

802.11ac80_5210MHz



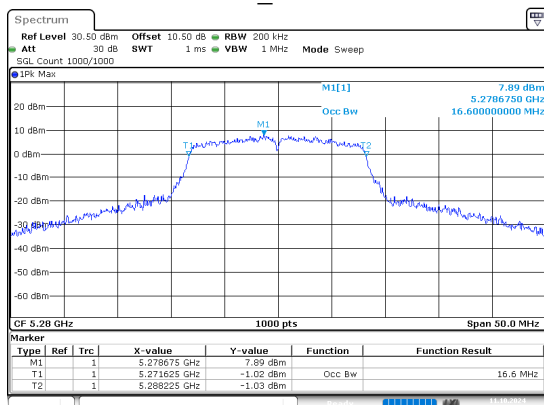
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Date: 11.OCT.2024 17:13:14

802.11a_5260MHz



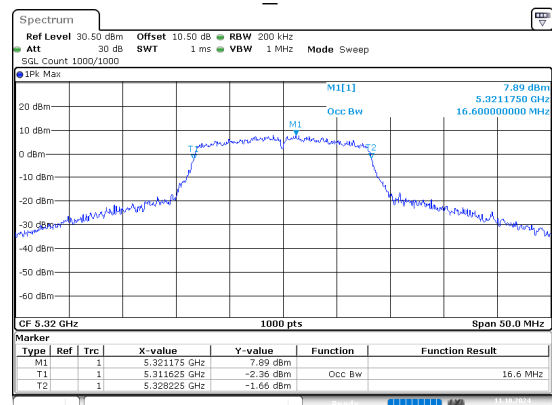
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802.11a_5280MHz



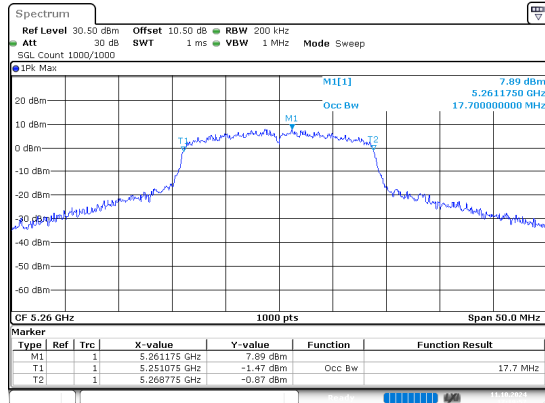
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802.11a_5320MHz



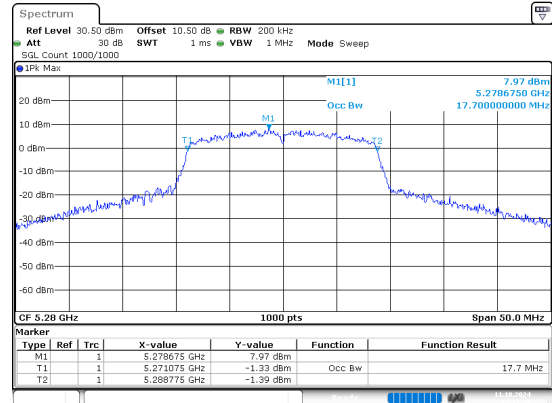
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802.11n20_5260MHz



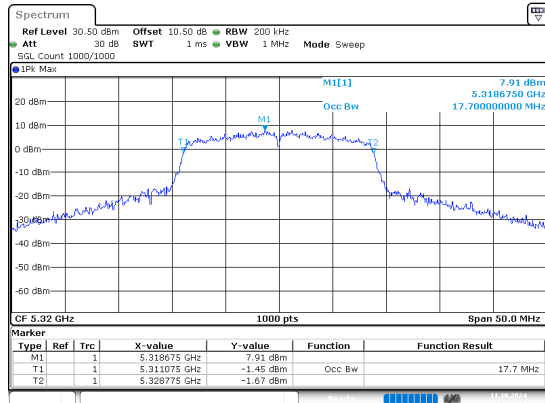
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802.11n20_5280MHz



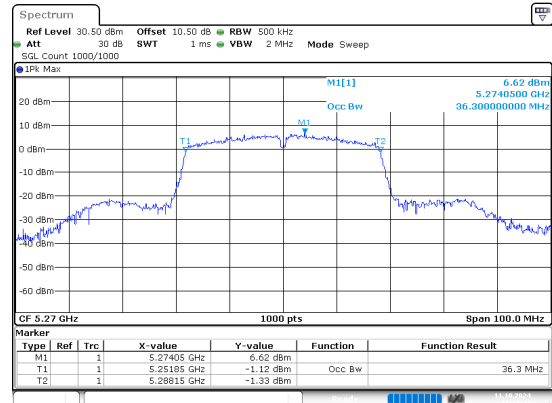
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Date: 11.OCT.2024 17:21:39

802.11n20_5320MHz



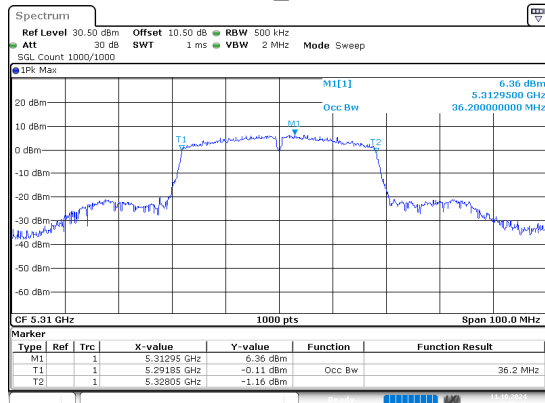
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Date: 11.OCT.2024 17:23:11

802.11n40_5270MHz



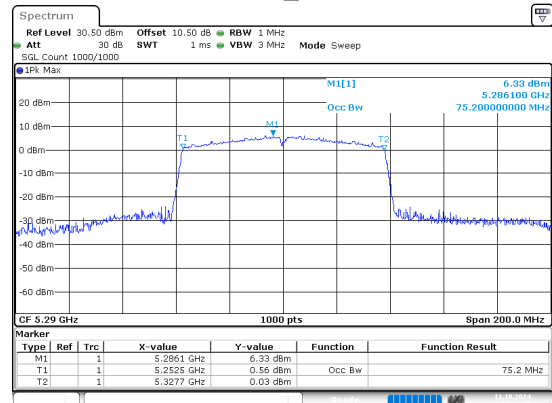
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Date: 11.OCT.2024 17:24:33

802.11n40_5310MHz



ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 11.OCT.2024 17:29:43

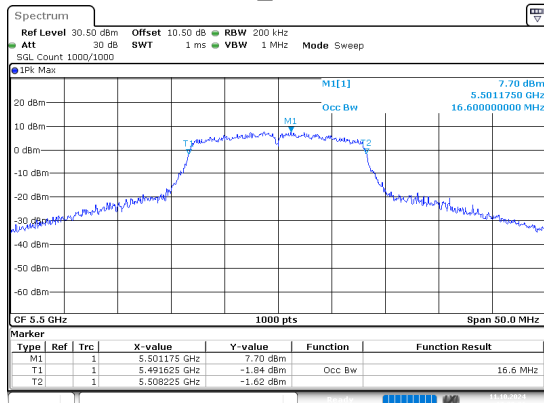
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Date: 11.OCT.2024 17:26:48

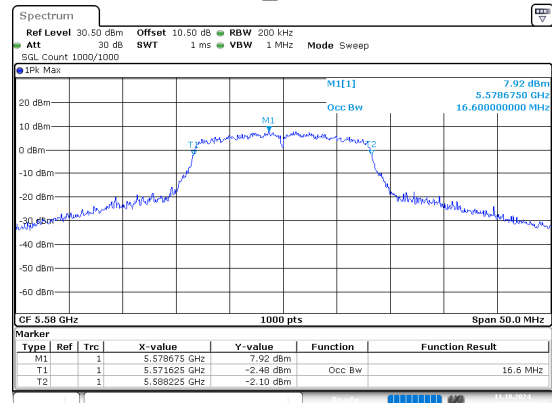
5470-5725MHz

802.11a_5500MHz



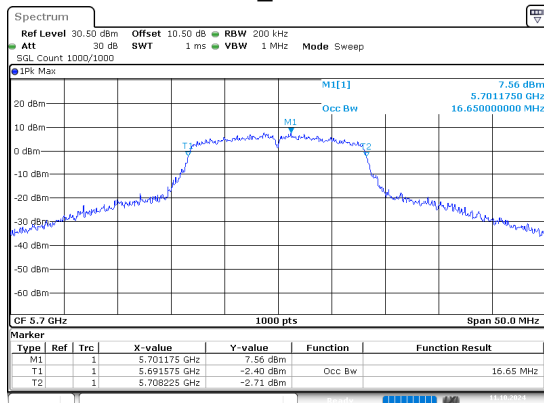
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Date: 11.OCT.2024 17:29:31

802.11a_5580MHz



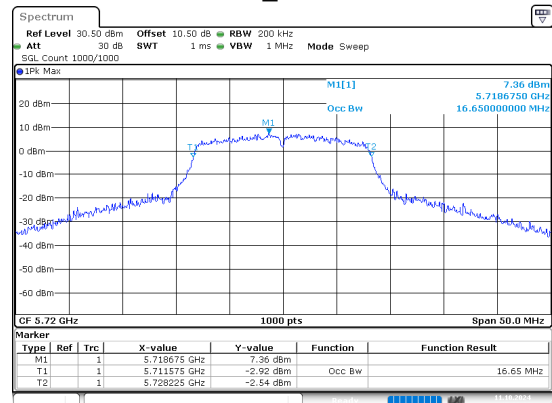
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802.11a_5700MHz



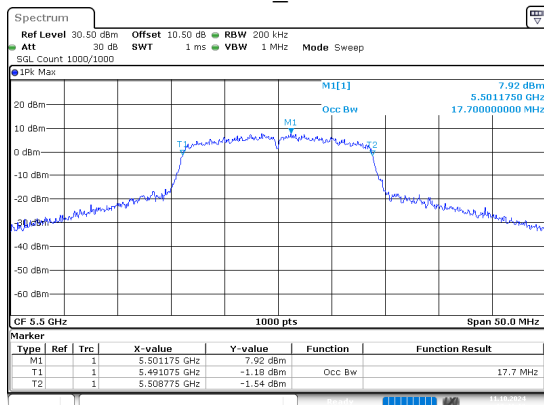
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802.11a_5720MHz



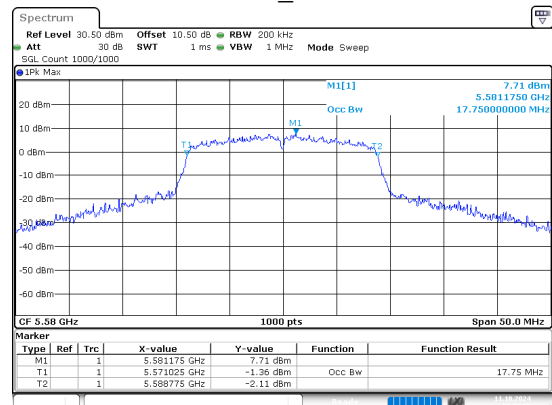
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Date: 11.OCT.2024 17:39:24

802.11n20_5500MHz



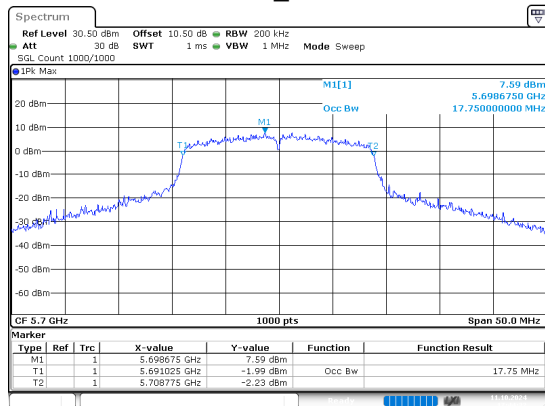
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Date: 11.OCT.2024 17:41:12

802.11n20_5580MHz



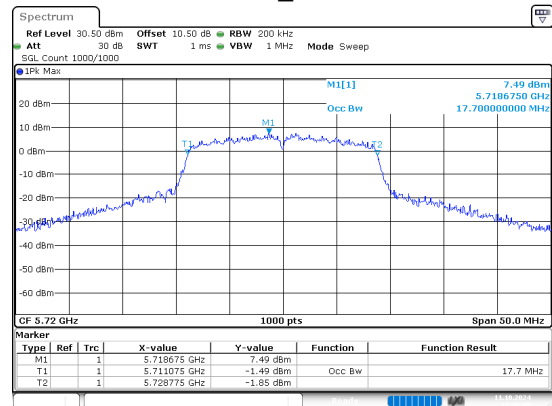
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802.11n20_5700MHz



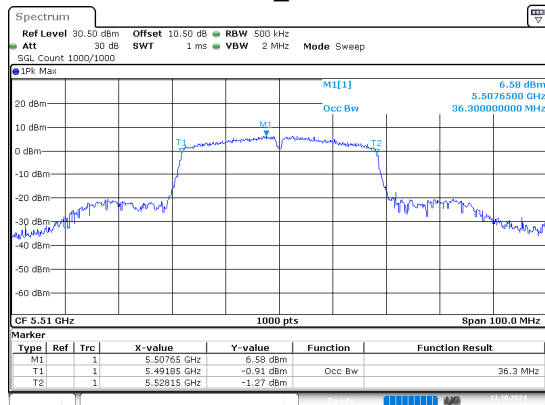
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802.11n20_5720MHz



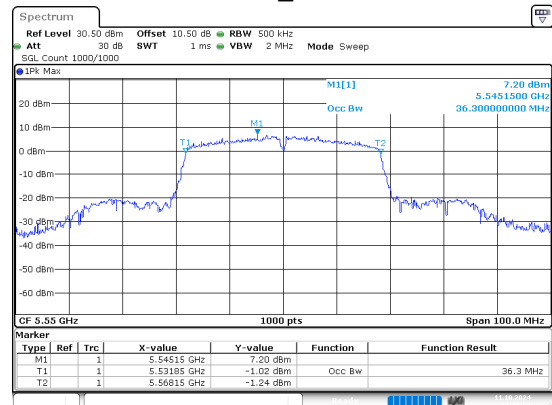
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Date: 11.OCT.2024 17:46:05

802.11n40_5510MHz



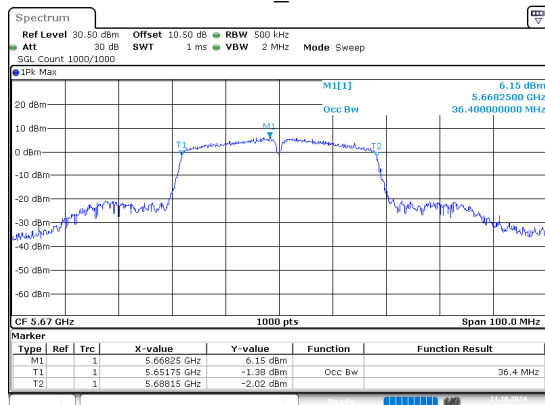
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Date: 11.OCT.2024 17:47:11

802.11n40_5550MHz



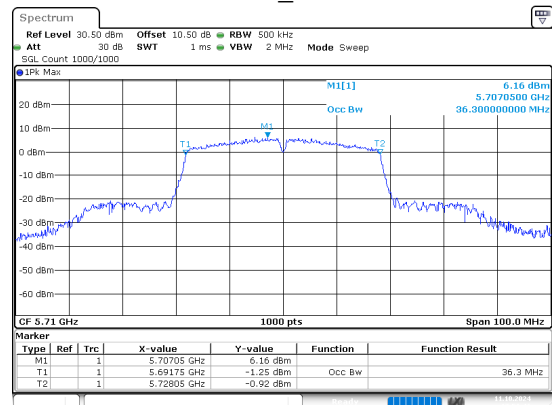
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Date: 11.OCT.2024 17:48:04

802.11n40_5670MHz



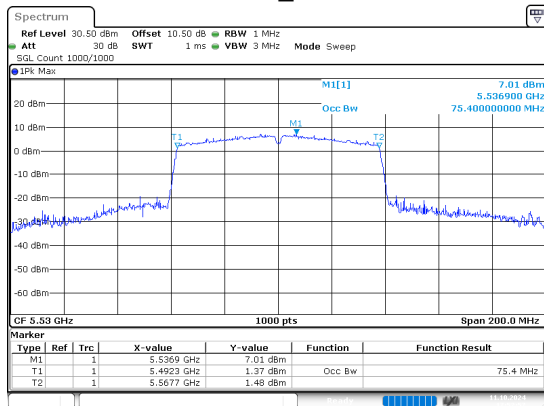
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802.11n40_5710MHz



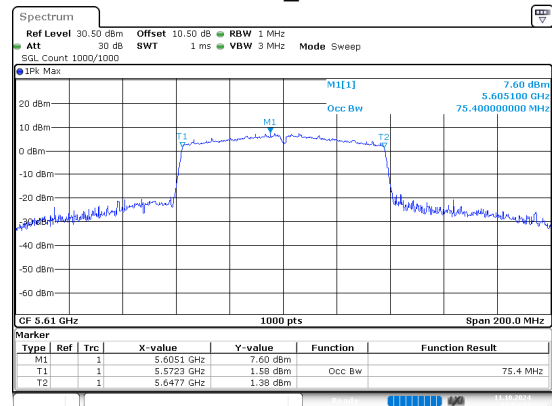
ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 11.OCT.2024 17:51:42

802.11ac80_5530MHz



ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 11.OCT.2024 17:52:58

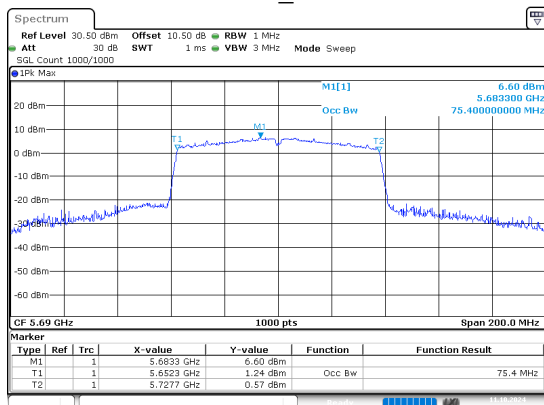
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Date: 11.OCT.2024 17:54:14

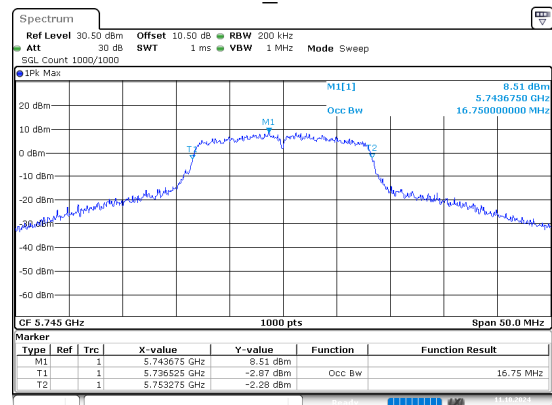
5725-5850MHz

802.11ac80_5690MHz



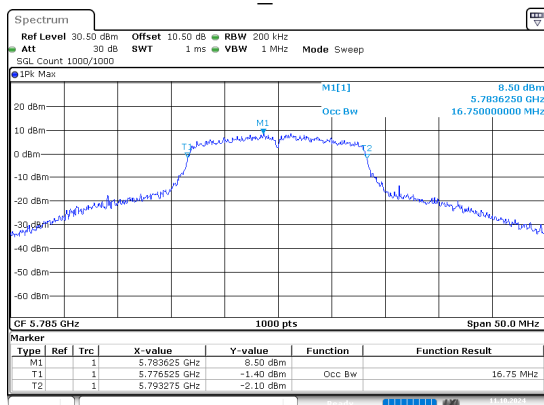
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Date: 11.OCT.2024 17:59:24

802.11a_5745MHz



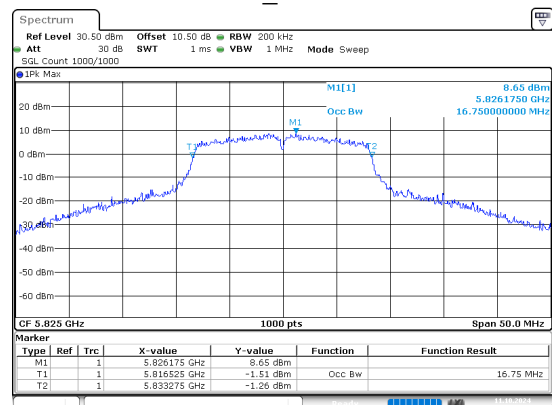
ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 11.OCT.2024 18:01:07

802.11a_5785MHz



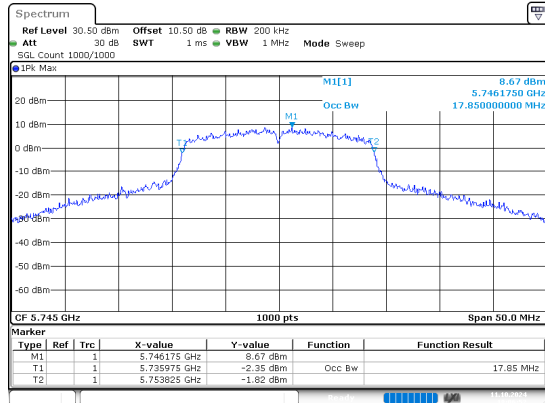
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802.11a_5825MHz



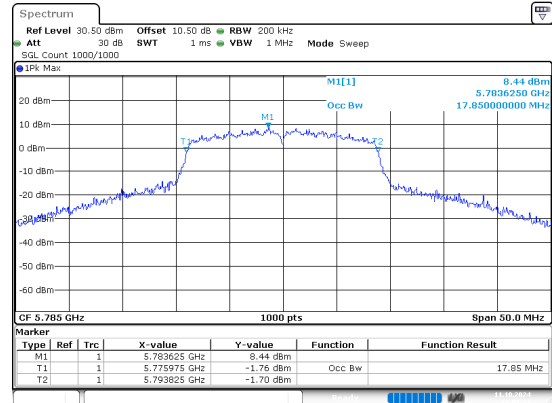
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802.11n20_5745MHz



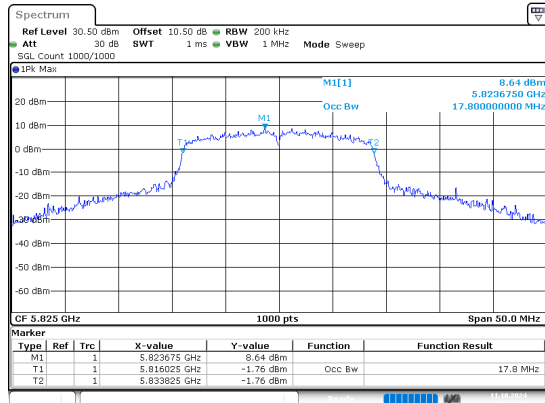
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802.11n20_5785MHz



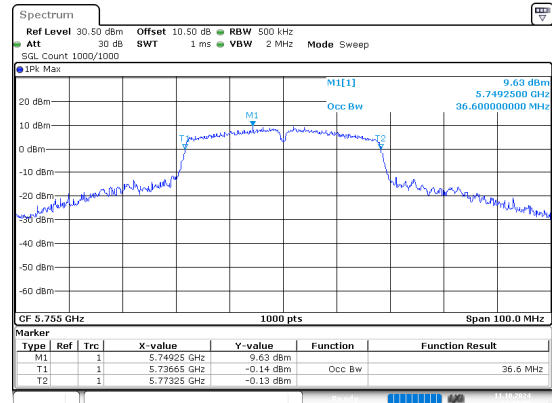
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802.11n20_5825MHz



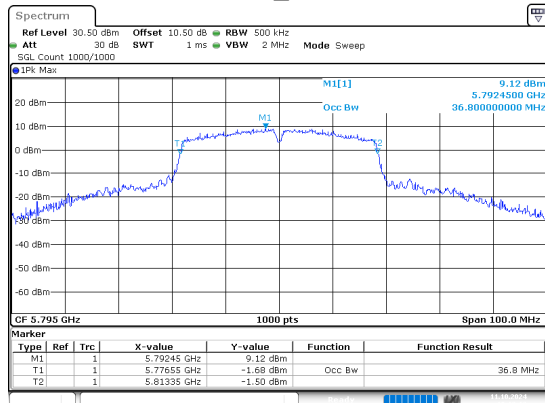
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Date: 11.OCT.2024 18:09:55

802.11n40_5755MHz



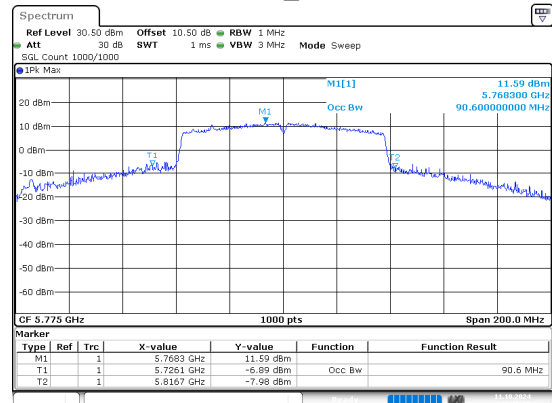
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Date: 11.OCT.2024 18:11:06

802.11n40_5795MHz



ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 11.OCT.2024 18:12:14

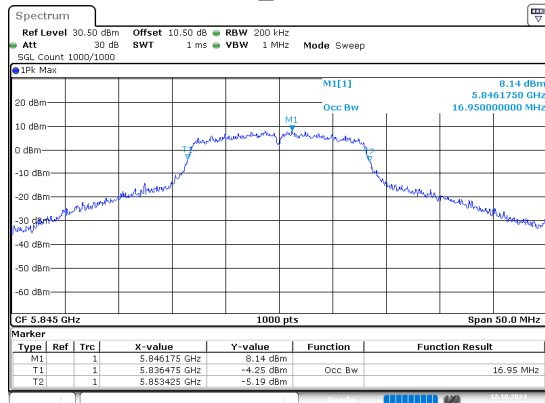
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ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 11.OCT.2024 18:15:05

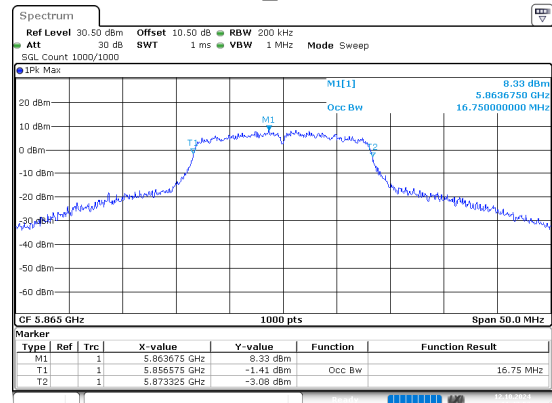
5850-5895MHz

802.11a_5845MHz



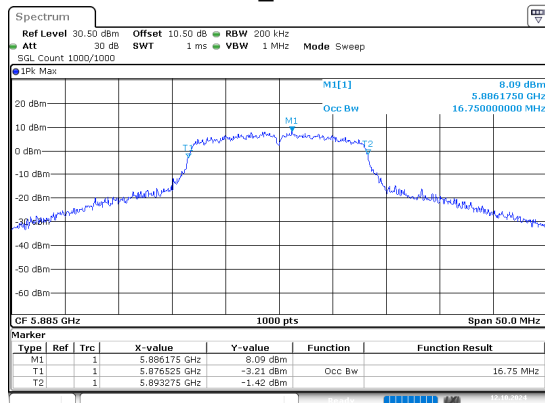
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Date: 12.OCT.2024 11:46:23

802.11a_5865MHz



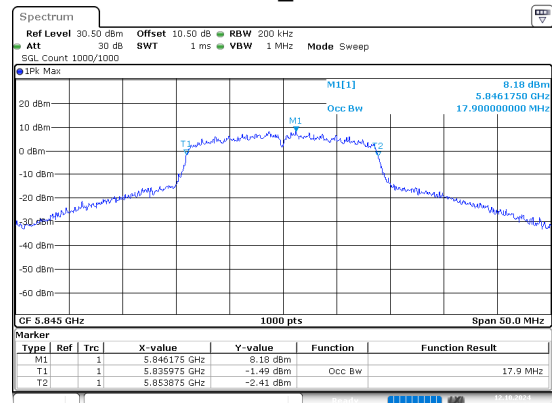
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Date: 12.OCT.2024 11:47:52

802.11a_5885MHz



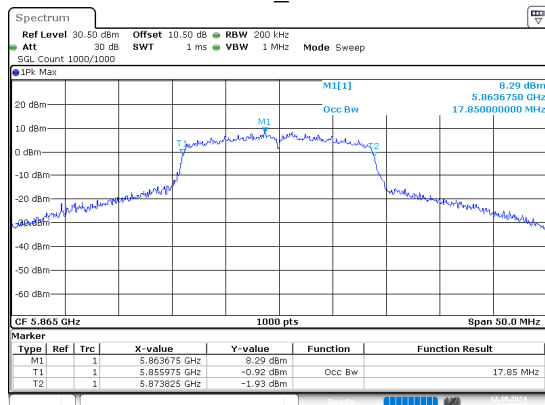
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Date: 12.OCT.2024 11:49:10

802.11n20_5845MHz



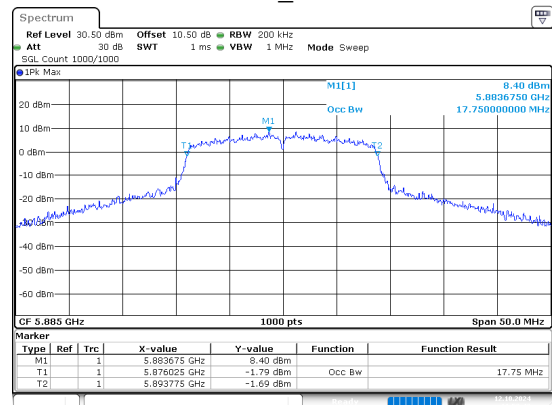
ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 12.OCT.2024 11:50:29

802.11n20_5865MHz



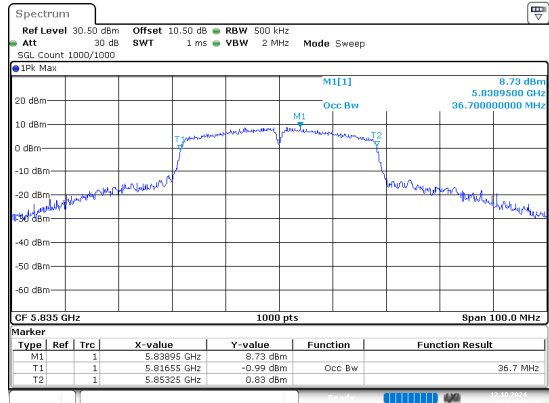
ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 12.OCT.2024 11:52:17

802.11n20_5885MHz



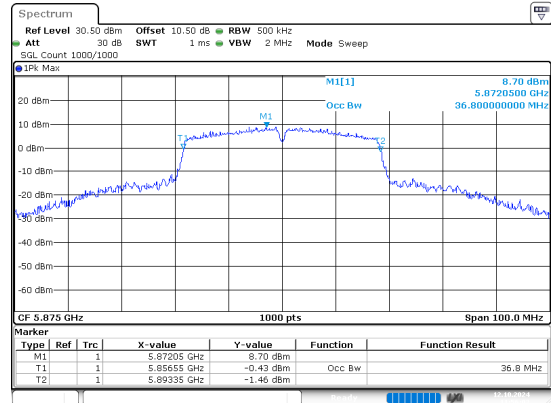
ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 12.OCT.2024 11:53:43

802.11n40_5835MHz



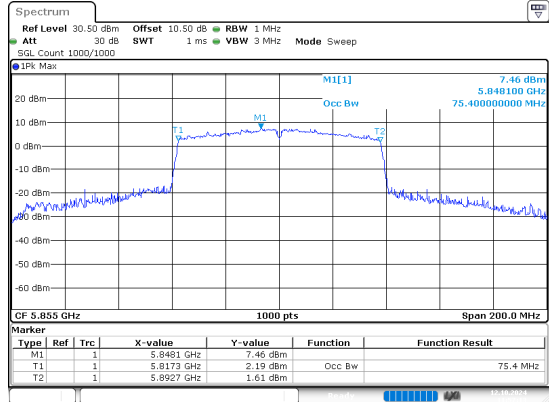
ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 12.OCT.2024 11:54:51

802.11n40_5875MHz



ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 12.OCT.2024 11:56:03

802.11ac80_5855MHz



ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 12.OCT.2024 11:57:13

5.6 Maximum Conducted Output Power

Test Information:

Serial No.:	2QUD-5, 2QUD-10, 2QUD-7, 2QUD-9	Test Date:	2024/9/19~2024/12/19
Test Site:	RF	Test Mode:	Transmitting
Tester:	Jeff Wei, Jojo Zhou	Test Result:	Pass

Environmental Conditions:

Temperature: (°C):	20.8~26.6	Relative Humidity: (%)	33~52	ATM Pressure: (kPa)	100.4~102.5
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Eastsheep	Coaxial Attenuator	5W-N-JK-6G-10dB	F-08-EM504	2024/06/07	2025/06/06
Anritsu	Microwave Peak Power Sensor	MA24418A	12618	2024/09/04	2025/09/03
Eastsheep	Coaxial Attenuator	5W-N-JK-6G-10dB	F-08-EM502	2024/06/07	2025/06/06

* Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data:

Configuration 1#:
5150-5250MHz

Mode	Test Frequency (MHz)	Average Output Power (dBm)	FCC Limit (dBm)	EIRP (dBm)	RSS 247 EIRP Limit (dBm)
802.11a	5180	16.22	24.00	19.57	22.20
	5200	16.35	24.00	19.7	22.20
	5240	16.32	24.00	19.67	22.20
802.11n20	5180	16.14	24.00	19.49	22.47
	5200	15.98	24.00	19.33	22.47
	5240	16.01	24.00	19.36	22.48
802.11n40	5190	13.96	24.00	17.31	23.00
	5230	13.94	24.00	17.29	23.00
802.11ac80	5210	12.8	24.00	16.15	23.00

Note: The device is a Client device.

5250-5350MHz

Mode	Test Frequency (MHz)	Average Output Power (dBm)	FCC Limit (dBm)	RSS 247 Limit (dBm)	EIRP (dBm)	RSS 247 EIRP Limit (dBm)
802.11a	5260	17.29	24.00	23.20	20.64	29.20
	5280	17.34	24.00	23.20	20.69	29.20
	5320	17.34	24.00	23.20	20.69	29.20
802.11n20	5260	17.16	24.00	23.48	20.51	29.48
	5280	17.25	24.00	23.48	20.6	29.48
	5320	17.2	24.00	23.48	20.55	29.48
802.11n40	5270	14.98	24.00	24.00	18.33	30.00
	5310	15.05	24.00	24.00	18.4	30.00
802.11ac80	5290	14.0	24.00	24.00	17.35	30.00

5470-5725MHz

Mode	Test Frequency (MHz)	Average Output Power (dBm)	FCC Limit (dBm)	RSS 247 Limit (dBm)	EIRP (dBm)	RSS 247 EIRP Limit (dBm)
802.11a	5500	17.21	24.00	23.20	18.68	29.20
	5580	17.31	24.00	23.20	18.78	29.20
	5700	16.87	24.00	23.21	18.34	29.21
	5720	16.83	24.00	23.21	18.3	29.21
802.11n20	5500	17.18	24.00	23.48	18.65	29.48
	5580	16.98	24.00	23.49	18.45	29.49
	5700	16.77	24.00	23.49	18.24	29.49
	5720	16.74	24.00	23.48	18.21	29.48
802.11n40	5510	15.15	24.00	24.00	16.62	30.00
	5550	15.13	24.00	24.00	16.6	30.00
	5670	14.67	24.00	24.00	16.14	30.00
	5710	14.76	24.00	24.00	16.23	30.00
802.11ac80	5530	15.13	24.00	24.00	16.6	30.00
	5610	15.13	24.00	24.00	16.6	30.00
	5690	14.75	24.00	24.00	16.22	30.00

5725-5850MHz

Mode	Test Frequency (MHz)	Average Output Power (dBm)	Limit (dBm)	Verdict
802.11a	5745	17.78	30	Pass
	5785	17.76	30	Pass
	5825	17.83	30	Pass
802.11n20	5745	17.87	30	Pass
	5785	17.6	30	Pass
	5825	17.72	30	Pass
802.11n40	5755	17.58	30	Pass
	5795	17.76	30	Pass
802.11ac80	5775	19.57	30	Pass

5850-5895MHz:

Mode	Test Frequency (MHz)	Average Output Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
802.11a	5845	17.3	17.98	30	Pass
	5865	17.6	18.28	30	Pass
	5885	17.46	18.14	30	Pass
802.11n20	5845	17.2	17.88	30	Pass
	5865	17.39	18.07	30	Pass
	5885	17.5	18.18	30	Pass
802.11n40	5835	17.29	17.97	30	Pass
	5875	17.51	18.19	30	Pass
802.11ac80	5855	15.47	16.15	30	Pass

Note: The device is an indoor use Client device.

Spot Check:**Configuration 2#:****5150-5250MHz**

Mode	Test Frequency (MHz)	Average Output Power (dBm)	FCC Limit (dBm)	EIRP (dBm)	RSS 247 EIRP Limit (dBm)
802.11a	5180	16.11	24.00	19.46	22.20
	5200	16.16	24.00	19.51	22.20
	5240	16.24	24.00	19.59	22.20
802.11n20	5180	16.09	24.00	19.44	22.47
	5200	15.48	24.00	18.83	22.47
	5240	15.48	24.00	18.83	22.48
802.11n40	5190	13.76	24.00	17.11	23.00
	5230	13.39	24.00	16.74	23.00
802.11ac80	5210	12.78	24.00	16.13	23.00

Note: The device is a Client device.

5250-5350MHz

Mode	Test Frequency (MHz)	Average Output Power (dBm)	FCC Limit (dBm)	RSS 247 Limit (dBm)	EIRP (dBm)	RSS 247 EIRP Limit (dBm)
802.11a	5260	17.29	24.00	23.20	20.64	29.20
	5280	17.21	24.00	23.20	20.56	29.20
	5320	17.29	24.00	23.20	20.64	29.20
802.11n20	5260	16.81	24.00	23.48	20.16	29.48
	5280	16.91	24.00	23.48	20.26	29.48
	5320	16.75	24.00	23.48	20.1	29.48
802.11n40	5270	14.84	24.00	24.00	18.19	30.00
	5310	15.01	24.00	24.00	18.36	30.00
802.11ac80	5290	13.47	24.00	24.00	16.82	30.00

5470-5725MHz

Mode	Test Frequency (MHz)	Average Output Power (dBm)	FCC Limit (dBm)	RSS 247 Limit (dBm)	EIRP (dBm)	RSS 247 EIRP Limit (dBm)
802.11a	5500	16.98	24.00	23.20	18.45	29.20
	5580	16.99	24.00	23.20	18.46	29.20
	5700	16.62	24.00	23.21	18.09	29.21
	5720	16.39	24.00	23.21	17.86	29.21
802.11n20	5500	17.04	24.00	23.48	18.51	29.48
	5580	16.47	24.00	23.49	17.94	29.49
	5700	16.73	24.00	23.49	18.2	29.49
	5720	16.61	24.00	23.48	18.08	29.48
802.11n40	5510	14.75	24.00	24.00	16.22	30.00
	5550	14.61	24.00	24.00	16.08	30.00
	5670	14.62	24.00	24.00	16.09	30.00
	5710	14.62	24.00	24.00	16.09	30.00
802.11ac80	5530	14.6	24.00	24.00	16.07	30.00
	5610	14.89	24.00	24.00	16.36	30.00
	5690	14.41	24.00	24.00	15.88	30.00

5725-5850MHz

Mode	Test Frequency (MHz)	Average Output Power (dBm)	Limit (dBm)	Verdict
802.11a	5745	17.47	30	Pass
	5785	17.33	30	Pass
	5825	17.6	30	Pass
802.11n20	5745	17.47	30	Pass
	5785	17.2	30	Pass
	5825	17.17	30	Pass
802.11n40	5755	17.27	30	Pass
	5795	17.75	30	Pass
802.11ac80	5775	19.17	30	Pass

5850-5895MHz:

Mode	Test Frequency (MHz)	Average Output Power (dBm)	EIRP (dBm)	FCC&RSS 247 EIRP Limit (dBm)	Verdict
802.11a	5845	17.1	17.78	30	Pass
	5865	17.35	18.03	30	Pass
	5885	16.91	17.59	30	Pass
802.11n20	5845	17.16	17.84	30	Pass
	5865	17.06	17.74	30	Pass
	5885	17.27	17.95	30	Pass
802.11n40	5835	16.84	17.52	30	Pass
	5875	17.31	17.99	30	Pass
802.11ac80	5855	15.13	15.81	30	Pass

Note: The device is an indoor use Client device.

Configuration 3#:**5150-5250MHz**

Mode	Test Frequency (MHz)	Average Output Power (dBm)	FCC Limit (dBm)	EIRP (dBm)	RSS 247 EIRP Limit (dBm)
802.11a	5180	16.11	24.00	19.46	22.20
	5200	16.24	24.00	19.59	22.20
	5240	16.27	24.00	19.62	22.20
802.11n20	5180	16.05	24.00	19.4	22.47
	5200	15.76	24.00	19.11	22.47
	5240	15.62	24.00	18.97	22.48
802.11n40	5190	13.38	24.00	16.73	23.00
	5230	13.57	24.00	16.92	23.00
802.11ac80	5210	12.28	24.00	15.63	23.00

Note: The device is a Client device.

5250-5350MHz

Mode	Test Frequency (MHz)	Average Output Power (dBm)	FCC Limit (dBm)	RSS 247 Limit (dBm)	EIRP (dBm)	RSS 247 EIRP Limit (dBm)
802.11a	5260	17.16	24.00	23.20	20.51	29.20
	5280	17.17	24.00	23.20	20.52	29.20
	5320	17.10	24.00	23.20	20.45	29.20
802.11n20	5260	17.03	24.00	23.48	20.38	29.48
	5280	17.08	24.00	23.48	20.43	29.48
	5320	17.11	24.00	23.48	20.46	29.48
802.11n40	5270	14.63	24.00	24.00	17.98	30.00
	5310	14.72	24.00	24.00	18.07	30.00
802.11ac80	5290	13.93	24.00	24.00	17.28	30.00

5470-5725MHz

Mode	Test Frequency (MHz)	Average Output Power (dBm)	FCC Limit (dBm)	RSS 247 Limit (dBm)	EIRP (dBm)	RSS 247 EIRP Limit (dBm)
802.11a	5500	17.13	24.00	23.20	18.6	29.20
	5580	17.24	24.00	23.20	18.71	29.20
	5700	16.44	24.00	23.21	17.91	29.21
	5720	16.76	24.00	23.21	18.23	29.21
802.11n20	5500	16.91	24.00	23.48	18.38	29.48
	5580	16.56	24.00	23.49	18.03	29.49
	5700	16.45	24.00	23.49	17.92	29.49
	5720	16.39	24.00	23.48	17.86	29.48
802.11n40	5510	14.96	24.00	24.00	16.43	30.00
	5550	15.03	24.00	24.00	16.5	30.00
	5670	14.21	24.00	24.00	15.68	30.00
	5710	14.36	24.00	24.00	15.83	30.00
802.11ac80	5530	14.89	24.00	24.00	16.36	30.00
	5610	15.11	24.00	24.00	16.58	30.00
	5690	14.47	24.00	24.00	15.94	30.00

5725-5850MHz

Mode	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11a	5745	17.48	30	Pass
	5785	17.29	30	Pass
	5825	17.63	30	Pass
802.11n20	5745	17.57	30	Pass
	5785	17.43	30	Pass
	5825	17.66	30	Pass
802.11n40	5755	17.38	30	Pass
	5795	17.42	30	Pass
802.11ac80	5775	19.25	30	Pass

5850-5895MHz:

Mode	Test Frequency (MHz)	Average Output Power(dBm)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
802.11a	5845	17.21	17.89	30	Pass
	5865	17.30	17.98	30	Pass
	5885	17.17	17.85	30	Pass
802.11n20	5845	17.11	17.79	30	Pass
	5865	17.04	17.72	30	Pass
	5885	17.19	17.87	30	Pass
802.11n40	5835	17.25	17.93	30	Pass
	5875	17.37	18.05	30	Pass
802.11ac80	5855	15.33	16.01	30	Pass

Note: The device is an indoor use Client device.

Configuration 4#:**5150-5250MHz**

Mode	Test Frequency (MHz)	Average Output Power(dBm)	FCC Limit (dBm)	EIRP (dBm)	RSS 247 EIRP Limit (dBm)
802.11a	5180	16.07	24.00	19.42	22.20
	5200	16.22	24.00	19.57	22.20
	5240	16.25	24.00	19.6	22.20
802.11n20	5180	16.06	24.00	19.41	22.47
	5200	15.78	24.00	19.13	22.47
	5240	15.59	24.00	18.94	22.48
802.11n40	5190	13.33	24.00	16.68	23.00
	5230	13.59	24.00	16.94	23.00
802.11ac80	5210	12.24	24.00	15.59	23.00

Note: The device is a Client device.

5250-5350MHz

Mode	Test Frequency (MHz)	Average Output Power(dBm)	FCC Limit (dBm)	RSS 247 Limit (dBm)	EIRP (dBm)	RSS 247 EIRP Limit (dBm)
802.11a	5260	17.11	24.00	23.20	20.46	29.20
	5280	17.18	24.00	23.20	20.53	29.20
	5320	17.13	24.00	23.20	20.48	29.20
802.11n20	5260	17.09	24.00	23.48	20.44	29.48
	5280	17.14	24.00	23.48	20.49	29.48
	5320	17.15	24.00	23.48	20.5	29.48
802.11n40	5270	14.66	24.00	24.00	18.01	30.00
	5310	14.78	24.00	24.00	18.13	30.00
802.11ac80	5290	13.90	24.00	24.00	17.25	30.00

5470-5725MHz

Mode	Test Frequency (MHz)	Average Output Power(dBm)	FCC Limit (dBm)	RSS 247 Limit (dBm)	EIRP (dBm)	RSS 247 EIRP Limit (dBm)
802.11a	5500	17.17	24.00	23.20	18.64	29.20
	5580	17.26	24.00	23.20	18.73	29.20
	5700	16.45	24.00	23.21	17.92	29.21
	5720	16.78	24.00	23.21	18.25	29.21
802.11n20	5500	16.90	24.00	23.48	18.37	29.48
	5580	16.54	24.00	23.49	18.01	29.49
	5700	16.45	24.00	23.49	17.92	29.49
	5720	16.43	24.00	23.48	17.9	29.48
802.11n40	5510	14.94	24.00	24.00	16.41	30.00
	5550	15.01	24.00	24.00	16.48	30.00
	5670	14.18	24.00	24.00	15.65	30.00
	5710	14.35	24.00	24.00	15.82	30.00
802.11ac80	5530	14.84	24.00	24.00	16.31	30.00
	5610	15.06	24.00	24.00	16.53	30.00
	5690	14.43	24.00	24.00	15.9	30.00

5725-5850MHz

Mode	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11a	5745	17.45	30	Pass
	5785	17.28	30	Pass
	5825	17.61	30	Pass
802.11n20	5745	17.50	30	Pass
	5785	17.37	30	Pass
	5825	17.63	30	Pass
802.11n40	5755	17.35	30	Pass
	5795	17.41	30	Pass
802.11ac80	5775	19.23	30	Pass

5850-5895MHz:

Mode	Test Frequency (MHz)	Average Output Power(dBm)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
802.11a	5845	17.25	17.93	30	Pass
	5865	17.24	17.92	30	Pass
	5885	17.11	17.79	30	Pass
802.11n20	5845	17.08	17.76	30	Pass
	5865	17.09	17.77	30	Pass
	5885	17.13	17.81	30	Pass
802.11n40	5835	17.22	17.9	30	Pass
	5875	17.35	18.03	30	Pass
802.11ac80	5855	15.36	16.04	30	Pass

Note: The device is an indoor use Client device.

Note:

The test data of the four models are almost the same.

5.7 Power Spectral Density

Test Information:

Serial No.:	2QUD-5	Test Date:	2024/10/11~2024/11/13
Test Site:	RF	Test Mode:	Transmitting
Tester:	Jeff Wei	Test Result:	Pass

Environmental Conditions:

Temperature: (°C):	25.1~25.4	Relative Humidity: (%)	47~52	ATM Pressure: (kPa)	101.2~101.5
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Eastsheep	Coaxial Attenuator	5W-N-JK-6G-10dB	F-08-EM503	2024/06/07	2025/06/06
R&S	Spectrum Analyzer	FSV40	101589	2024/09/05	2025/09/04

* Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data:

5150-5250MHz

Mode	Result (dBm/MHz)	Duty Cycle Factor (dB)	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	EIRP PSD (dBm/MHz)	RSS-247 EIRP PSD Limit (dBm/MHz)
a_5180MHz	6.11	0.14	6.25	11.00	9.6	10.00
a_5200MHz	6.11	0.14	6.25	11.00	9.6	10.00
a_5240MHz	6.34	0.14	6.48	11.00	9.83	10.00
n20_5180MHz	5.57	0.15	5.72	11.00	9.07	10.00
n20_5200MHz	5.58	0.15	5.73	11.00	9.08	10.00
n20_5240MHz	5.45	0.15	5.60	11.00	8.95	10.00
n40_5190MHz	0.47	0.29	0.76	11.00	4.11	10.00
n40_5230MHz	0.70	0.29	0.99	11.00	4.34	10.00
ac80_5210MHz	-3.91	0.58	-3.33	11.00	0.02	10.00

Note: The device is a client device.

5250-5350MHz

Mode	Result (dBm/MHz)	Duty Cycle Factor (dB)	PSD (dBm/MHz)	FCC&RSS 247 Limit (dBm/MHz)
a_5260MHz	7.10	0.14	7.24	11
a_5280MHz	7.40	0.14	7.54	11
a_5320MHz	7.19	0.14	7.33	11
n20_5260MHz	6.88	0.15	7.03	11
n20_5280MHz	6.75	0.15	6.90	11
n20_5320MHz	6.90	0.15	7.05	11
n40_5270MHz	1.68	0.29	1.97	11
n40_5310MHz	1.88	0.29	2.17	11
ac80_5290MHz	-2.76	0.58	-2.18	11

5470-5725MHz

Mode	Result (dBm/MHz)	Duty Cycle Factor (dB)	PSD (dBm/MHz)	FCC&RSS 247 Limit (dBm/MHz)
a_5500MHz	7.08	0.14	7.22	11
a_5580MHz	7.12	0.14	7.26	11
a_5700MHz	6.49	0.14	6.63	11
a_5720MHz	6.73	0.14	6.87	11
n20_5500MHz	6.85	0.15	7.00	11
n20_5580MHz	6.58	0.15	6.73	11
n20_5700MHz	6.43	0.15	6.58	11
n20_5720MHz	6.52	0.15	6.67	11
n40_5510MHz	1.66	0.29	1.95	11
n40_5550MHz	1.64	0.29	1.93	11
n40_5670MHz	1.28	0.29	1.57	11
n40_5710MHz	1.38	0.29	1.67	11
ac80_5530MHz	-1.77	0.58	-1.19	11
ac80_5610MHz	-1.81	0.58	-1.23	11
ac80_5690MHz	-1.87	0.58	-1.29	11

5725-5850MHz

Mode	Result (dBm/500kHz)	Duty Cycle Factor (dB)	PSD (dBm/500kHz)	FCC&RSS 247 Limit (dBm/500kHz)
a_5745MHz	4.82	0.14	4.96	30
a_5785MHz	4.76	0.14	4.90	30
a_5825MHz	4.68	0.14	4.82	30
n20_5745MHz	4.75	0.15	4.90	30
n20_5785MHz	4.42	0.15	4.57	30
n20_5825MHz	4.88	0.15	5.03	30
n40_5755MHz	1.15	0.29	1.44	30
n40_5795MHz	1.45	0.29	1.74	30
ac80_5775MHz	-0.24	0.58	0.34	30

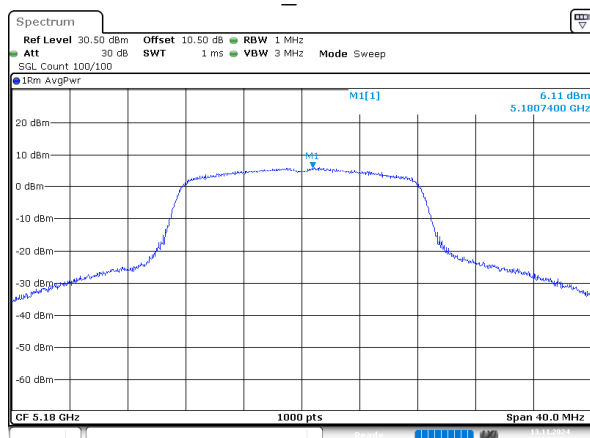
5850-5895MHz

Mode	Result (dBm/MHz)	Duty Cycle Factor (dB)	PSD (dBm/MHz)	EIRP PSD (dBm/MHz)	FCC&RSS 247 EIRP PSD Limit (dBm/MHz)
a_5845MHz	7.83	0.14	7.97	8.65	14
a_5865MHz	7.98	0.14	8.12	8.8	14
a_5885MHz	7.92	0.14	8.06	8.74	14
n20_5845MHz	7.61	0.15	7.76	8.44	14
n20_5865MHz	7.73	0.15	7.88	8.56	14
n20_5885MHz	7.72	0.15	7.87	8.55	14
n40_5835MHz	4.69	0.29	4.98	5.66	14
n40_5875MHz	4.67	0.29	4.96	5.64	14
ac80_5855MHz	-1.49	0.58	-0.91	-0.23	14

Note: The device is an indoor use Client device.

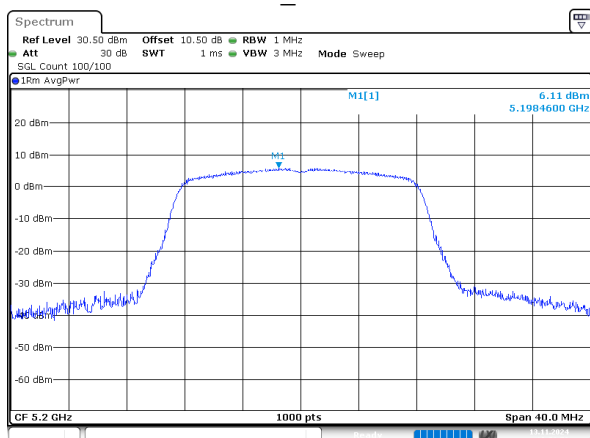
5150-5250MHz

802.11a_5180MHz



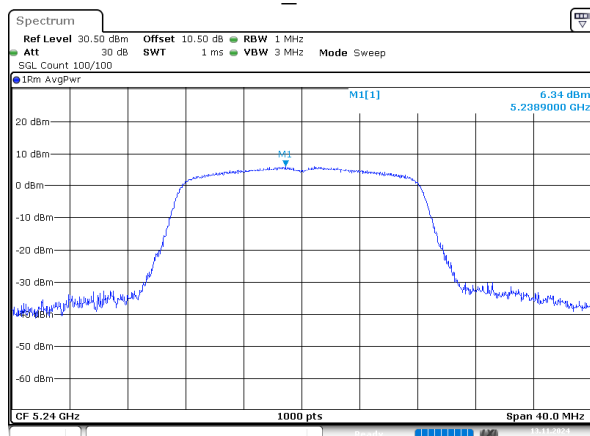
ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 13.NOV.2024 10:51:32

802.11a_5200MHz



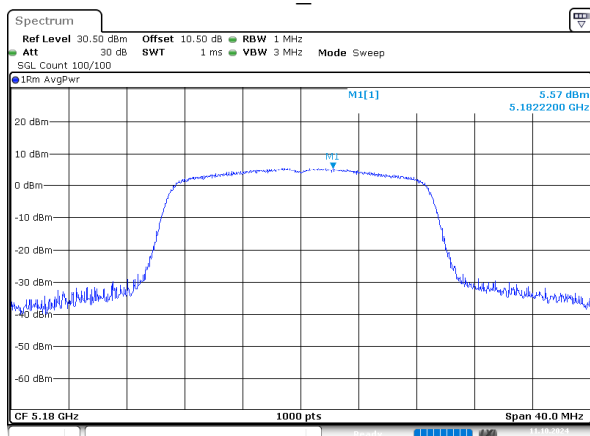
ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 13.NOV.2024 10:51:50

802.11a_5240MHz



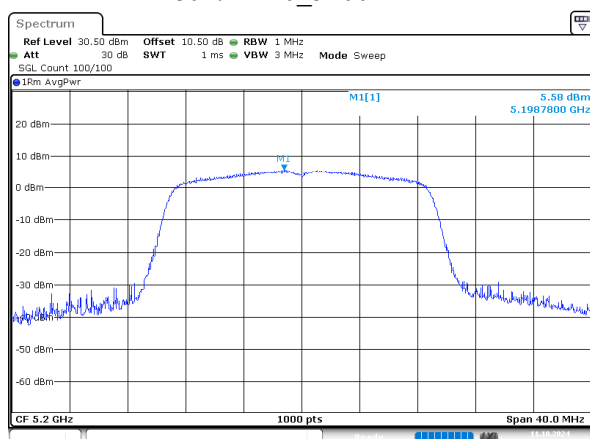
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Date: 13.NOV.2024 10:52:07

802.11n20_5180MHz



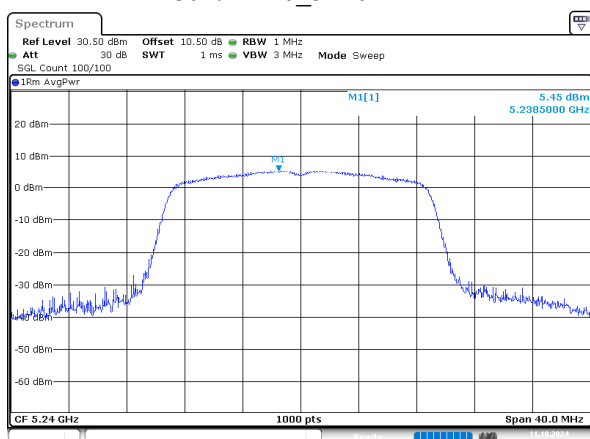
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Date: 11.OCT.2024 17:03:03

802.11n20_5200MHz



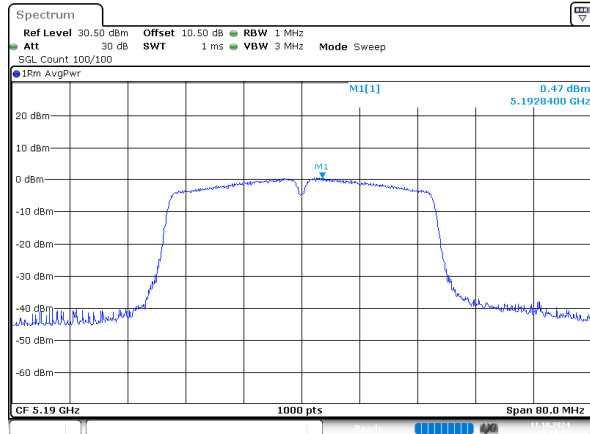
ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 11.OCT.2024 17:05:35

802.11n20_5240MHz



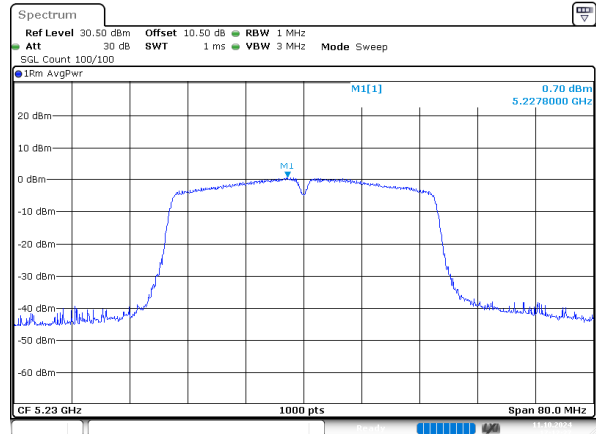
ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 11.OCT.2024 17:07:06

802.11n40_5190MHz



ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 11.OCT.2024 17:11:22

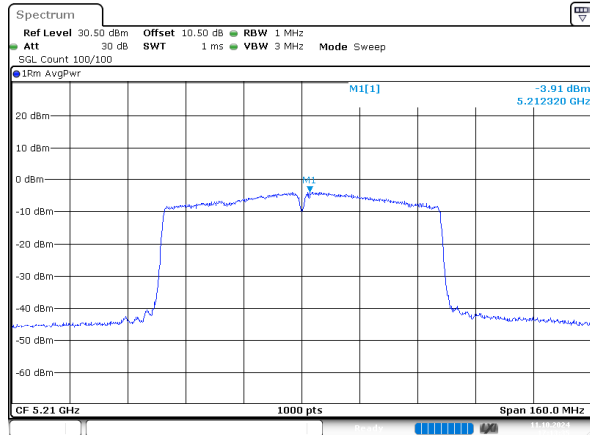
802.11n40_5230MHz



ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 11.OCT.2024 17:12:27

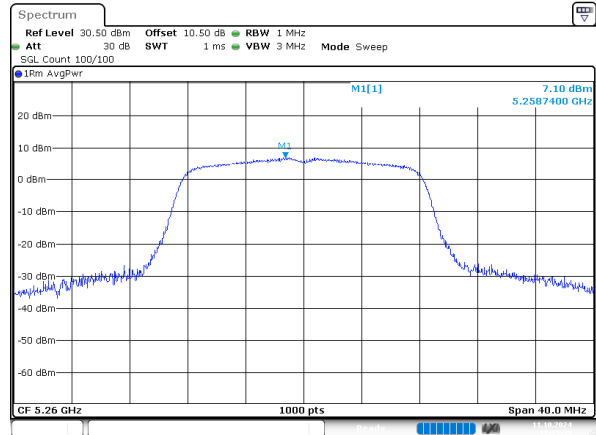
5250-5350MHz

802.11ac80_5210MHz



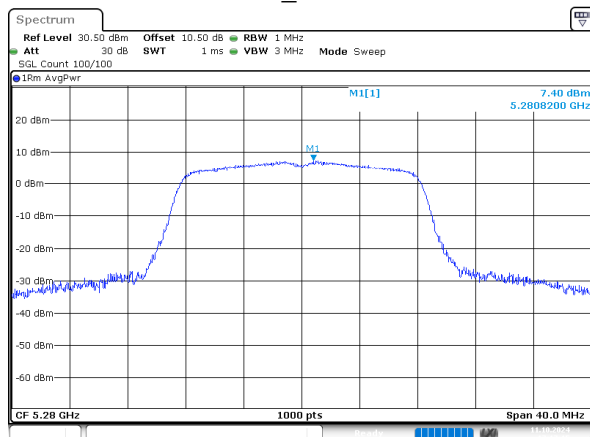
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Date: 11.OCT.2024 17:13:35

802.11a_5260MHz



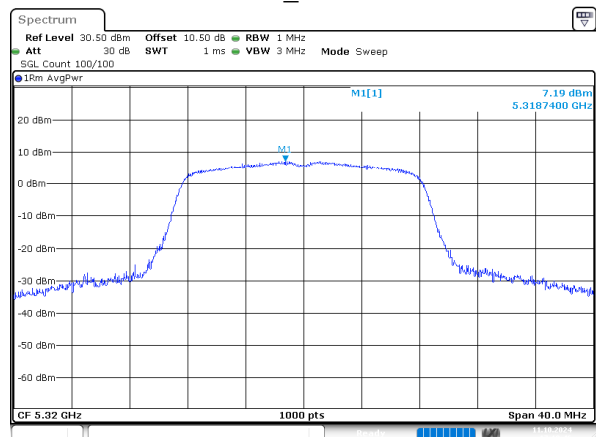
ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 11.OCT.2024 17:15:39

802.11a_5280MHz



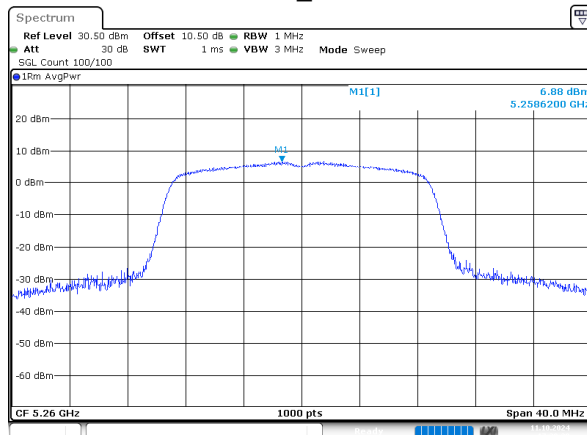
ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 11.OCT.2024 17:17:15

802.11a_5320MHz



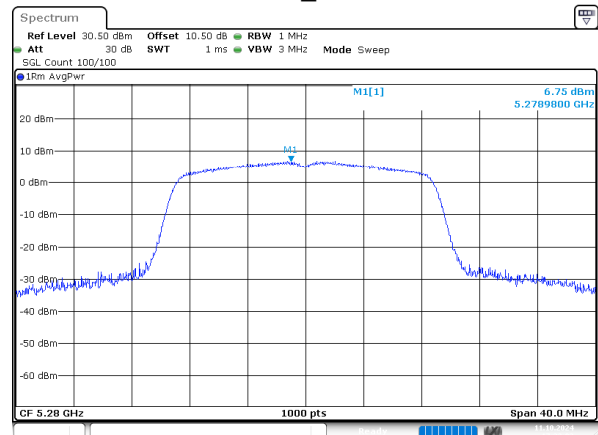
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Date: 11.OCT.2024 17:18:47

802.11n20_5260MHz



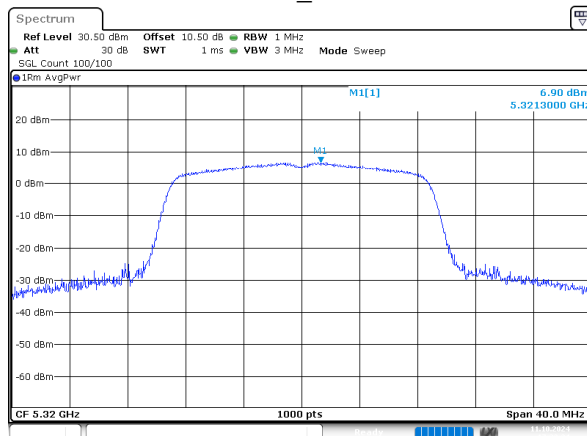
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Date: 11.OCT.2024 17:20:20

802.11n20_5280MHz



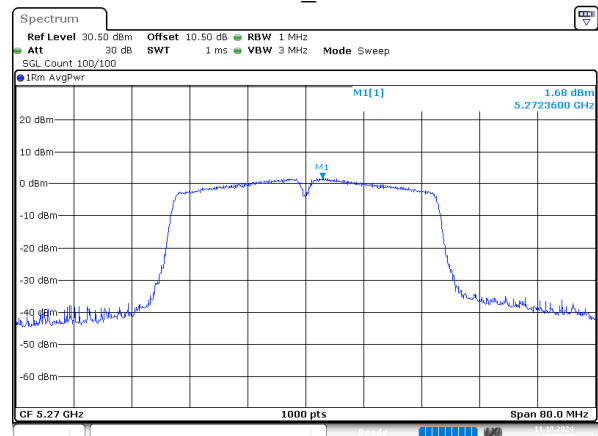
ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 11.OCT.2024 17:22:02

802.11n20_5320MHz



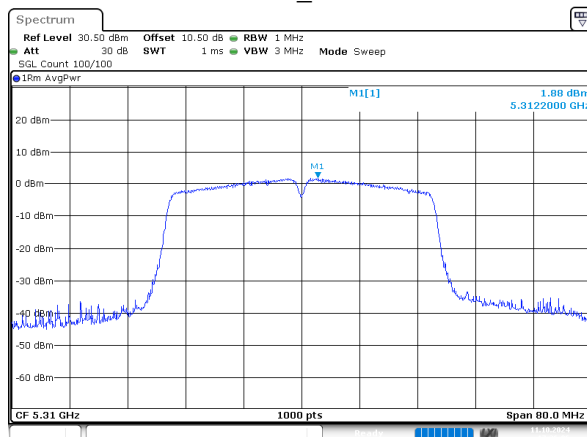
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Date: 11.OCT.2024 17:23:35

802.11n40_5270MHz



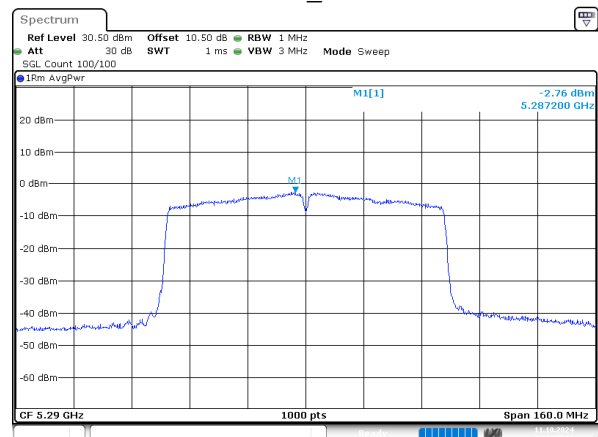
ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 11.OCT.2024 17:24:57

802.11n40_5310MHz



ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 11.OCT.2024 17:26:07

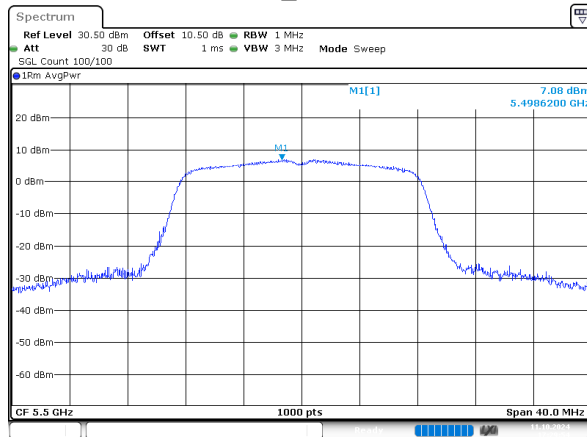
802.11ac80_5290MHz



ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 11.OCT.2024 17:27:11

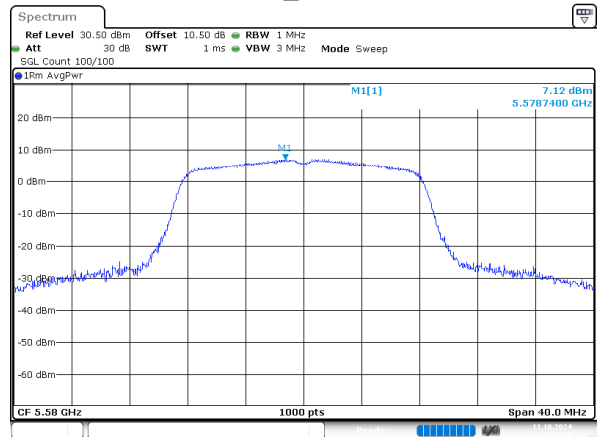
5470-5725MHz

802.11a_5500MHz



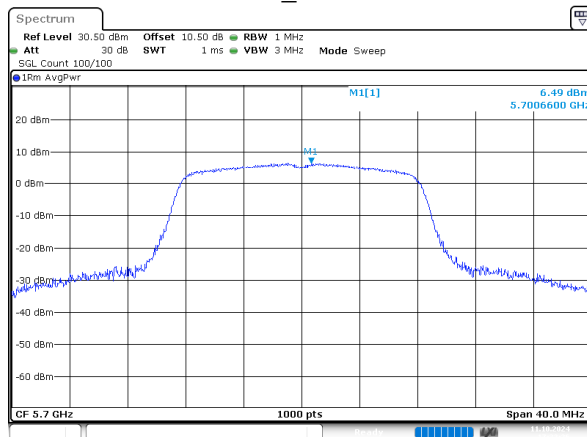
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802.11a_5580MHz



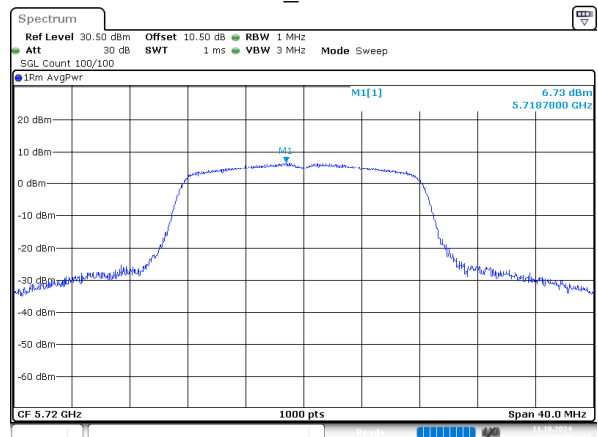
ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 11.OCT.2024 17:31:38

802.11a_5700MHz



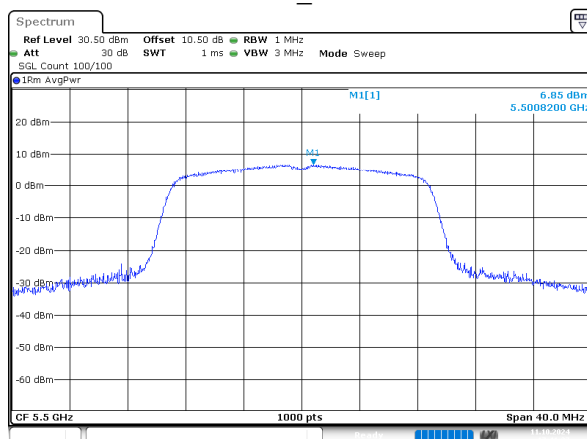
ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 11.OCT.2024 17:33:27

802.11a_5720MHz



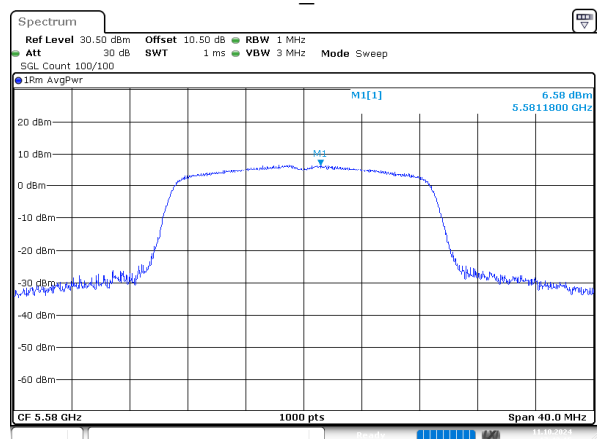
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Date: 11.OCT.2024 17:39:49

802.11n20_5500MHz



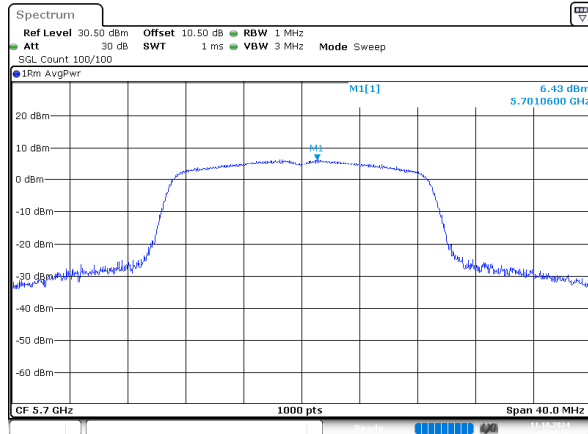
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Date: 11.OCT.2024 17:41:37

802.11n20_5580MHz



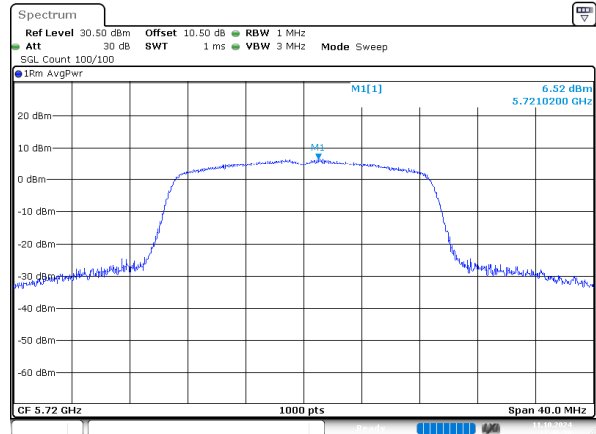
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Date: 11.OCT.2024 17:43:15

802.11n20_5700MHz



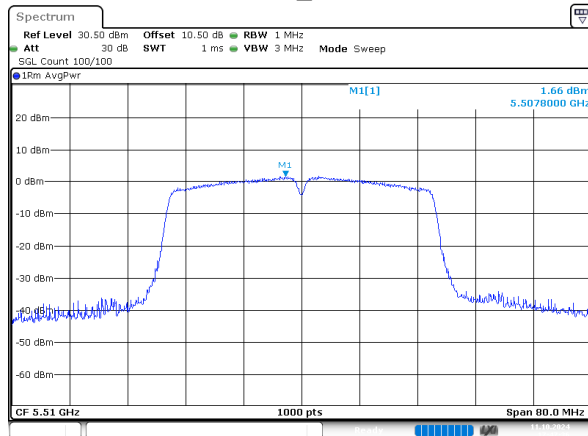
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Date: 11.OCT.2024 17:44:57

802.11n20_5720MHz



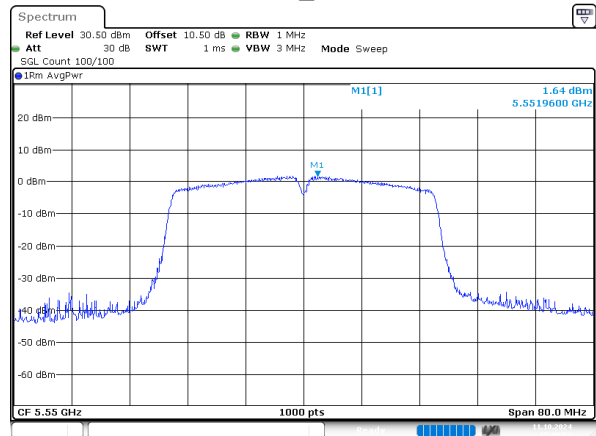
ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 11.OCT.2024 17:46:30

802.11n40_5510MHz



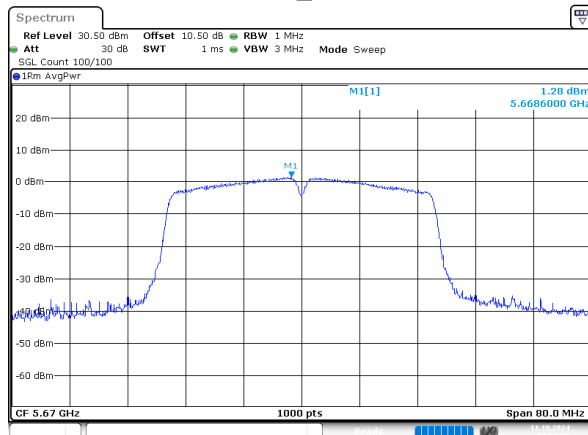
ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 11.OCT.2024 17:47:36

802.11n40_5550MHz



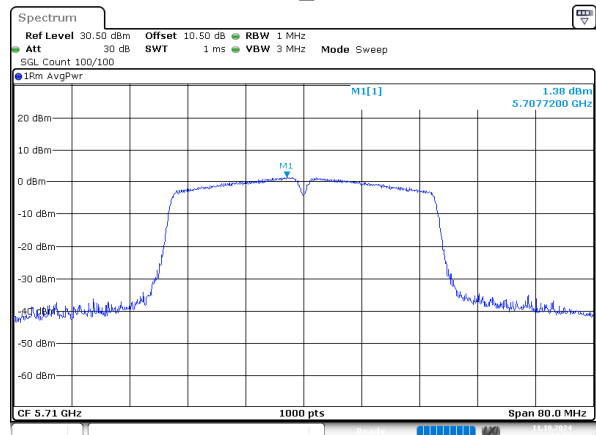
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Date: 11.OCT.2024 17:49:51

802.11n40_5670MHz



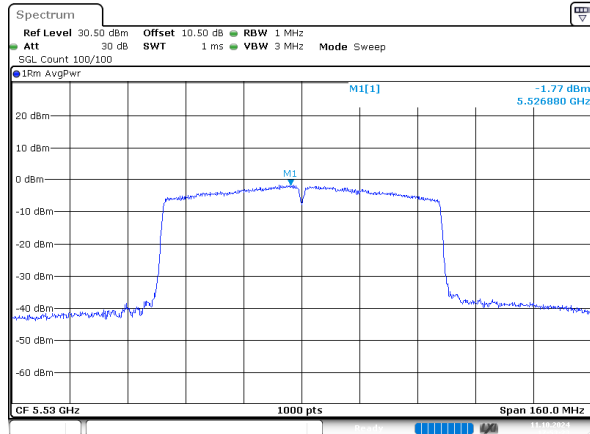
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Date: 11.OCT.2024 17:51:02

802.11n40_5710MHz



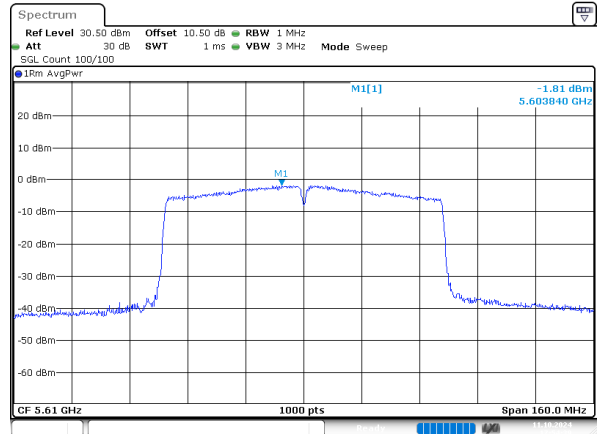
ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 11.OCT.2024 17:52:09

802.11ac80_5530MHz



ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 11.OCT.2024 17:53:23

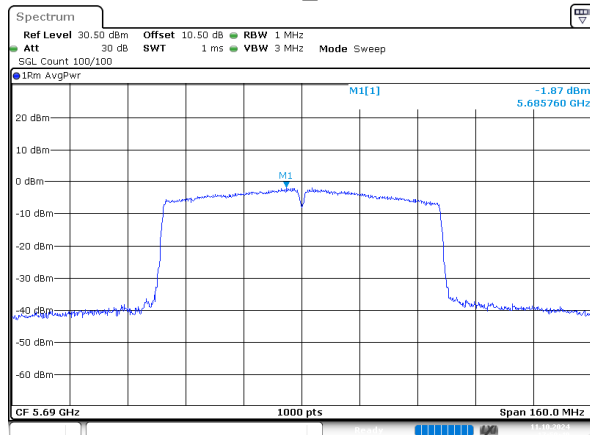
802.11ac80_5610MHz



ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 11.OCT.2024 17:54:40

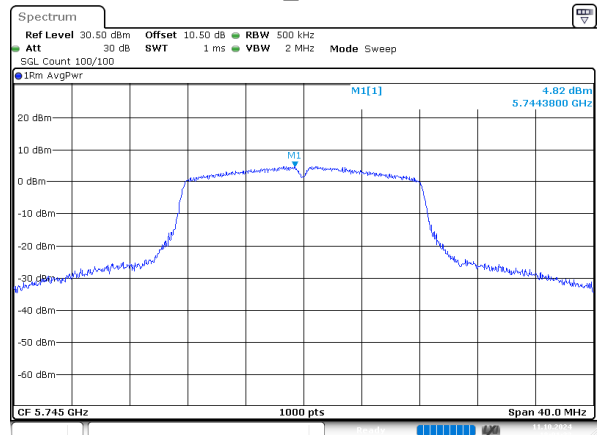
5725-5850MHz

802.11ac80_5690MHz



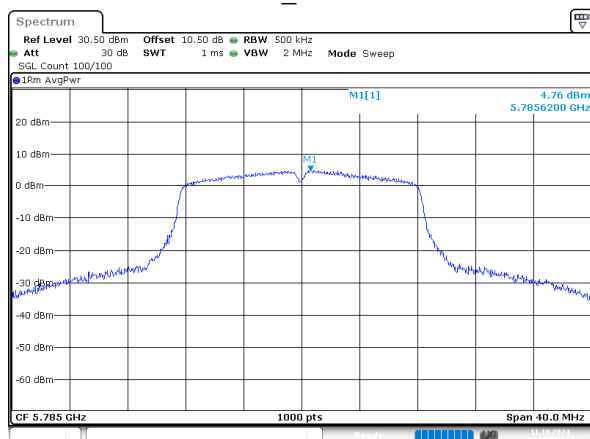
ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 11.OCT.2024 17:59:50

802.11a_5745MHz



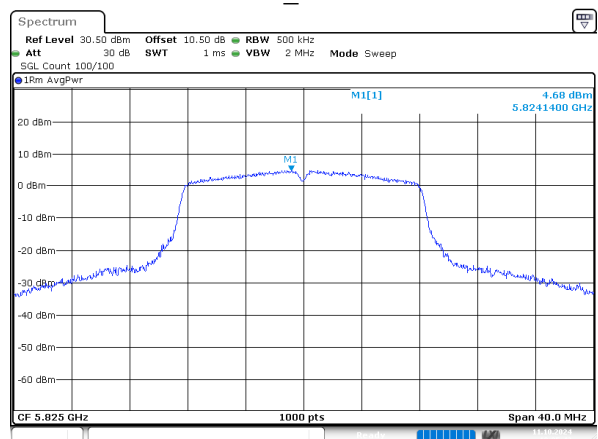
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Date: 11.OCT.2024 18:01:33

802.11a_5785MHz



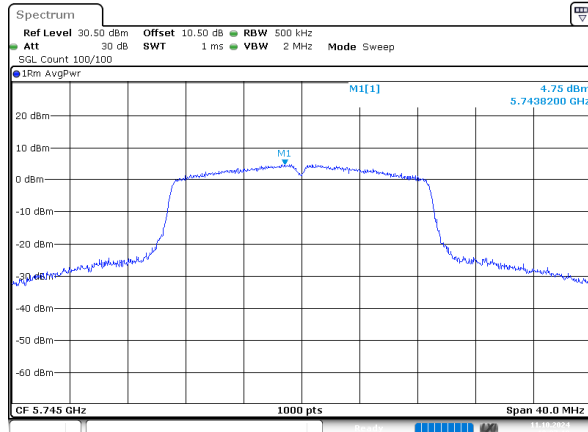
ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 11.OCT.2024 18:04:19

802.11a_5825MHz



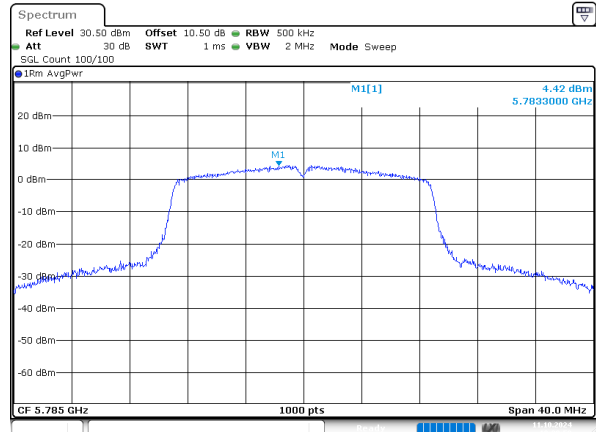
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Date: 11.OCT.2024 18:05:44

802.11n20_5745MHz



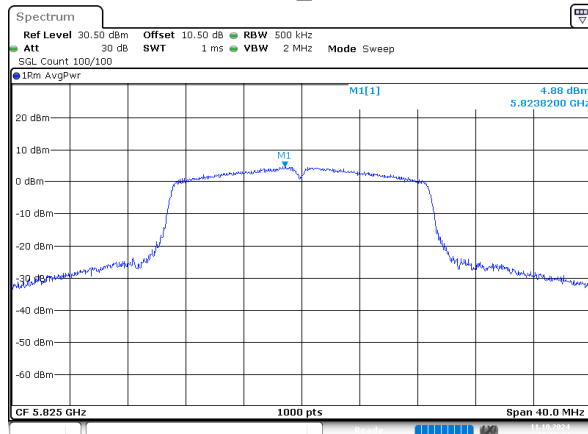
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Date: 11.OCT.2024 18:07:19

802.11n20_5785MHz



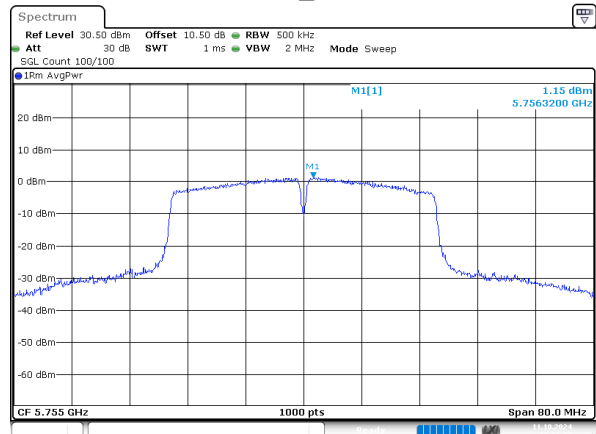
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Date: 11.OCT.2024 18:08:59

802.11n20_5825MHz



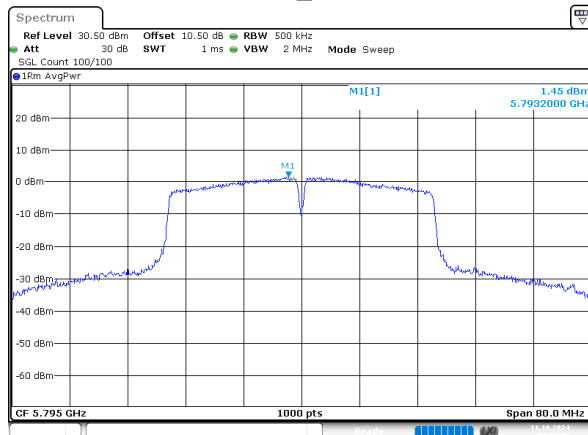
ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 11.OCT.2024 18:10:22

802.11n40_5755MHz



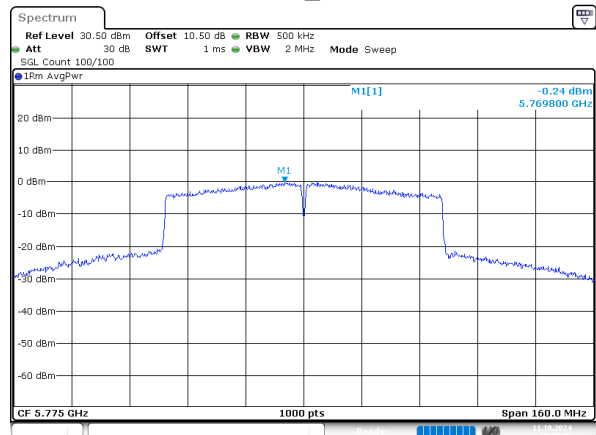
ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 11.OCT.2024 18:11:32

802.11n40_5795MHz



ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 11.OCT.2024 18:12:40

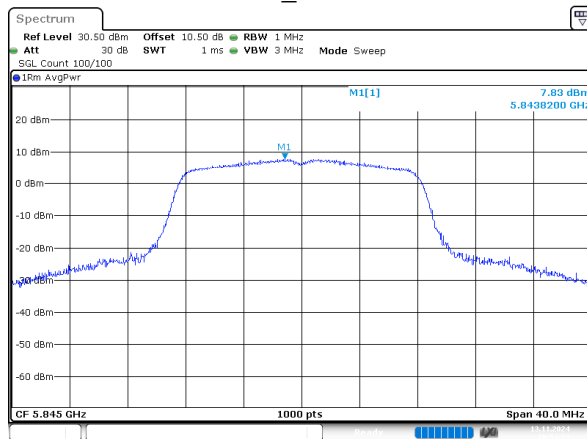
802.11ac80_5775MHz



ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 11.OCT.2024 18:15:32

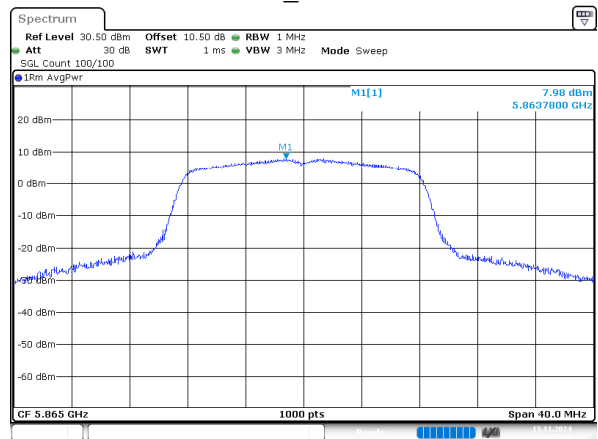
5850-5895MHz

802.11a_5845MHz



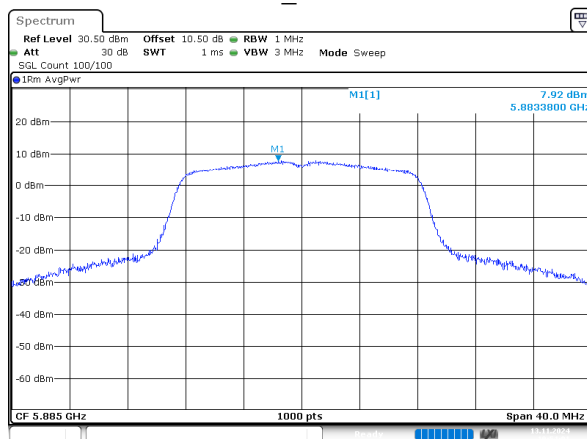
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Date: 13.NOV.2024 10:53:13

802.11a_5865MHz



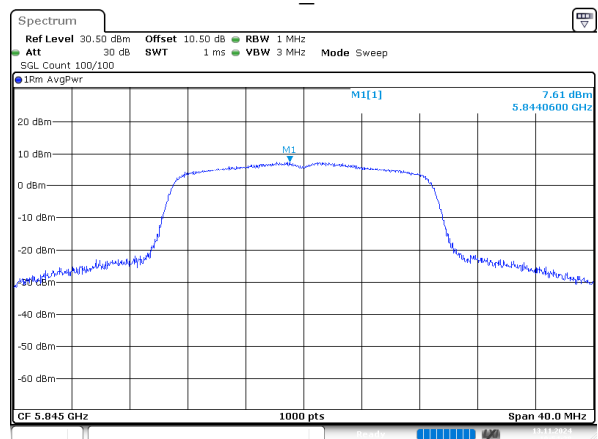
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Date: 13.NOV.2024 10:53:36

802.11a_5885MHz



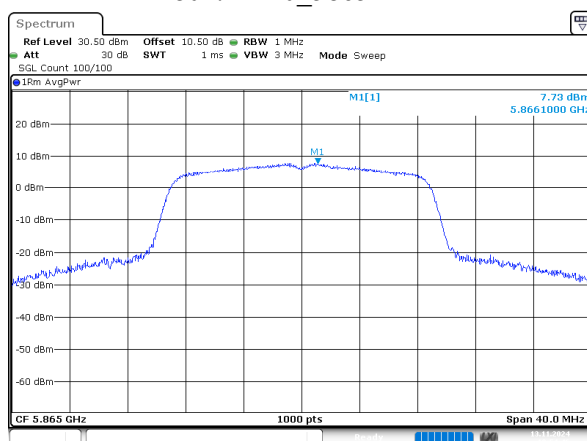
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Date: 13.NOV.2024 10:54:01

802.11n20_5845MHz



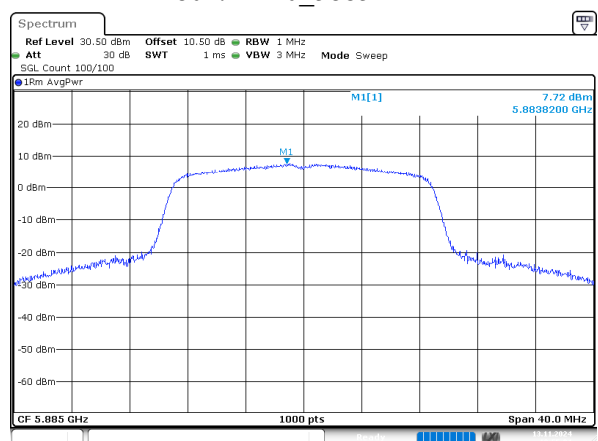
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Date: 13.NOV.2024 10:54:28

802.11n20_5865MHz



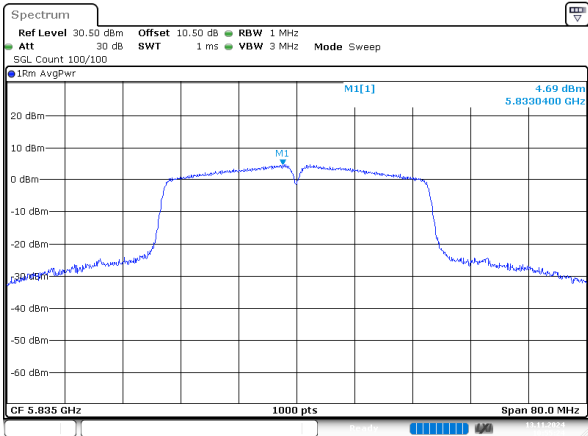
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802.11n20_5885MHz

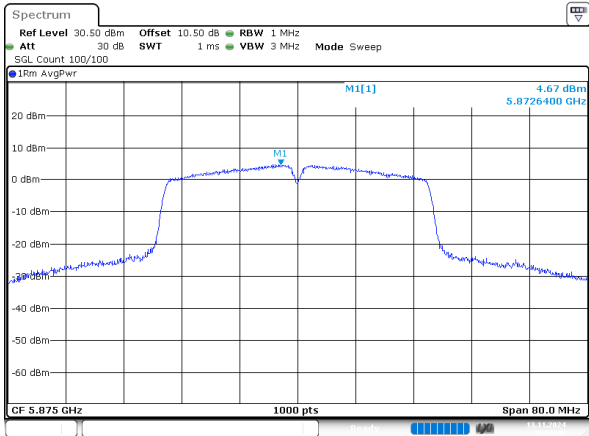


ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 13.NOV.2024 10:55:04

802.11n40_5835MHz



802.11n40_5875MHz



802.11ac80_5855MHz



5.8 Duty Cycle

Test Information:

Serial No.:	2QUD-5	Test Date:	2024/10/11
Test Site:	RF	Test Mode:	Transmitting
Tester:	Jeff Wei	Test Result:	Pass

Environmental Conditions:

Temperature: (°C):	26.1	Relative Humidity: (%)	43	ATM Pressure: (kPa)	100.9
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Eastsheep	Coaxial Attenuator	5W-N-JK-6G-10dB	F-08-EM503	2024/06/07	2025/06/06
R&S	Spectrum Analyzer	FSV40	101589	2024/09/05	2025/09/04

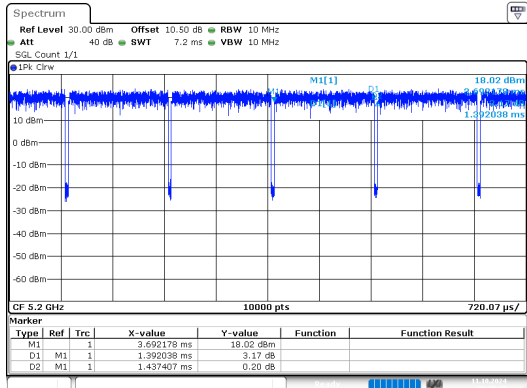
* Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data:

Mode	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11a	5200	1.392	1.437	96.87	0.14	718	1
802.11n20	5200	1.298	1.344	96.58	0.15	770	1
802.11n40	5190	0.647	0.692	93.50	0.29	1546	2
802.11ac80	5210	0.324	0.370	87.57	0.58	3086	5

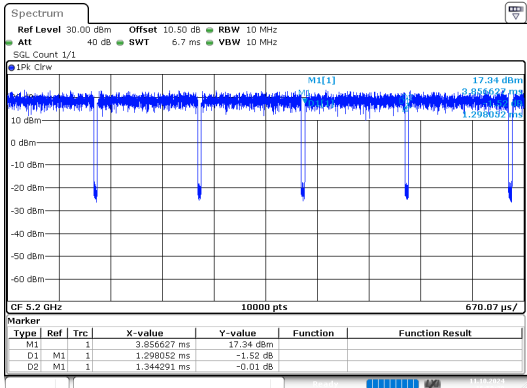
Duty Cycle = Ton/(Ton+Toff)*100%

802.11a_5200MHz



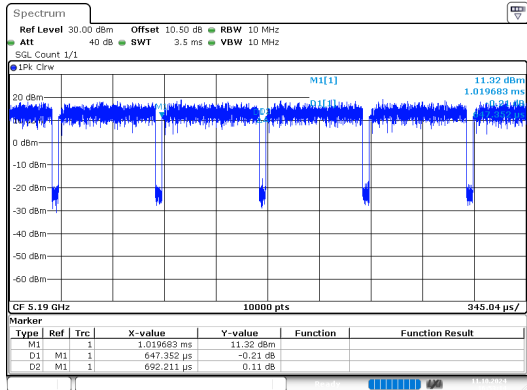
ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 11.OCT.2024 16:49:47

802.11n20_5200MHz



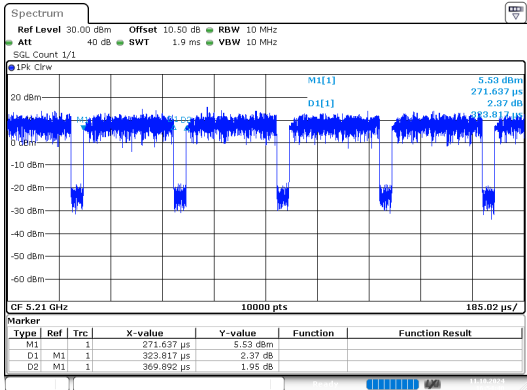
ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 11.OCT.2024 16:50:39

802.11n40_5190MHz



ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 11.OCT.2024 16:53:14

802.11ac80_5210MHz



ProjectNo.:2402W92356E-RF Tester:Jeff Wei
Date: 11.OCT.2024 16:54:40

EXHIBIT A - EUT PHOTOGRAPHS

Please refer to the attachment 2402W92356E-RF-EXP EUT EXTERNAL PHOTOGRAPHS and 2402W92356E-RF-INP EUT INTERNAL PHOTOGRAPHS.

EXHIBIT B - TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2402W92356E-RF-00D-TSP TEST SETUP PHOTOGRAPHS.

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