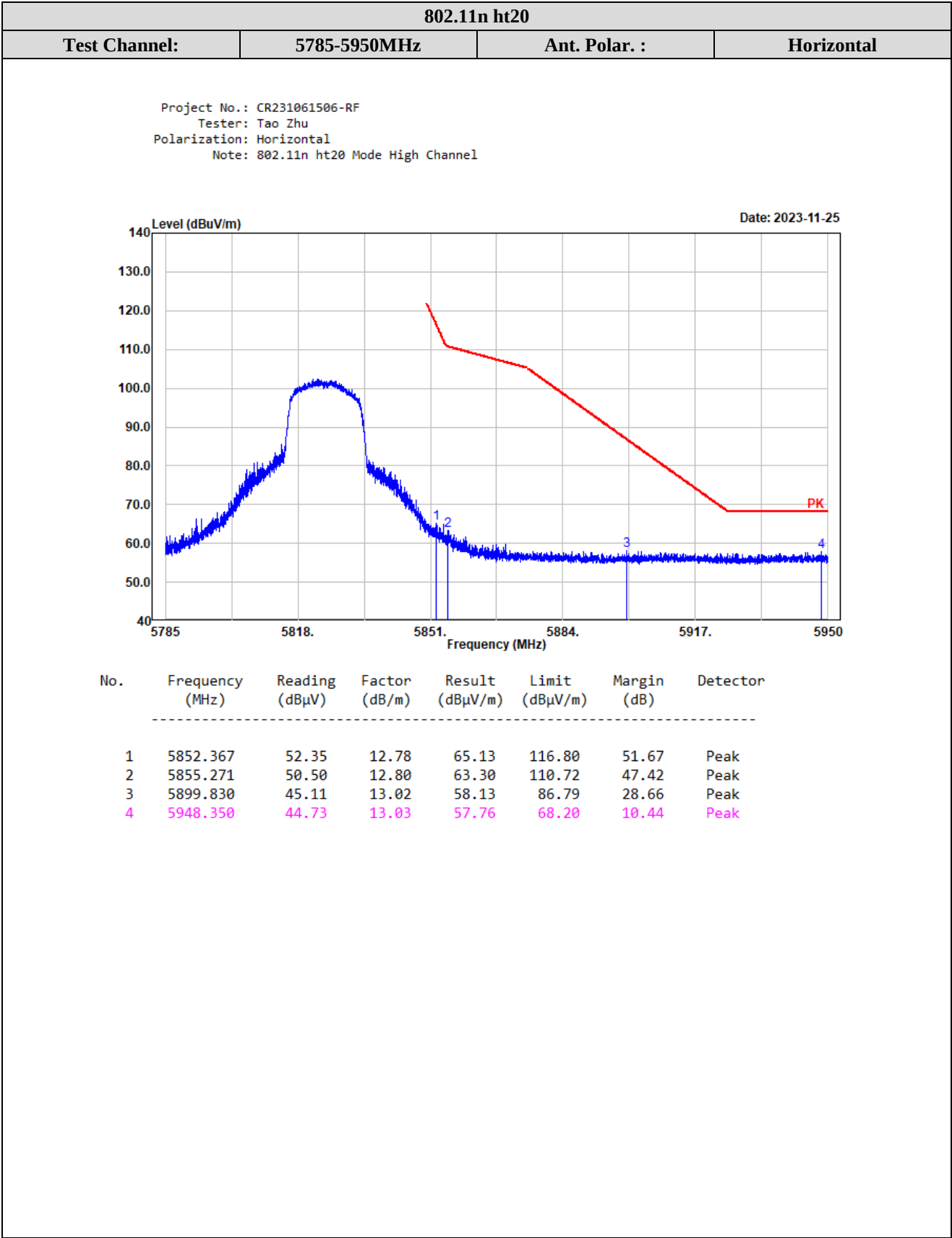




802.11n ht20

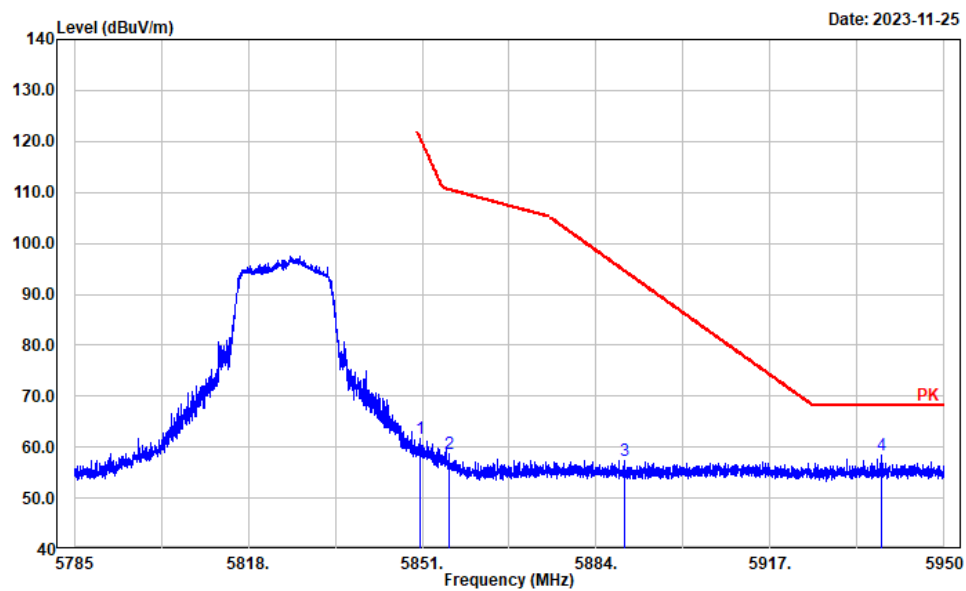
Test Channel:

5785-5950MHz

Ant. Polar. :

Vertical

Project No.: CR231061506-RF
Tester: Tao Zhu
Polarization: Vertical
Note: 802.11n ht20 Mode High Channel



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5850.716	48.91	12.77	61.68	120.57	58.89	Peak
2	5856.129	45.79	12.80	58.59	110.48	51.89	Peak
3	5889.367	44.50	12.97	57.47	94.54	37.07	Peak
4	5937.986	45.40	13.03	58.43	68.20	9.77	Peak

802.11n ht40

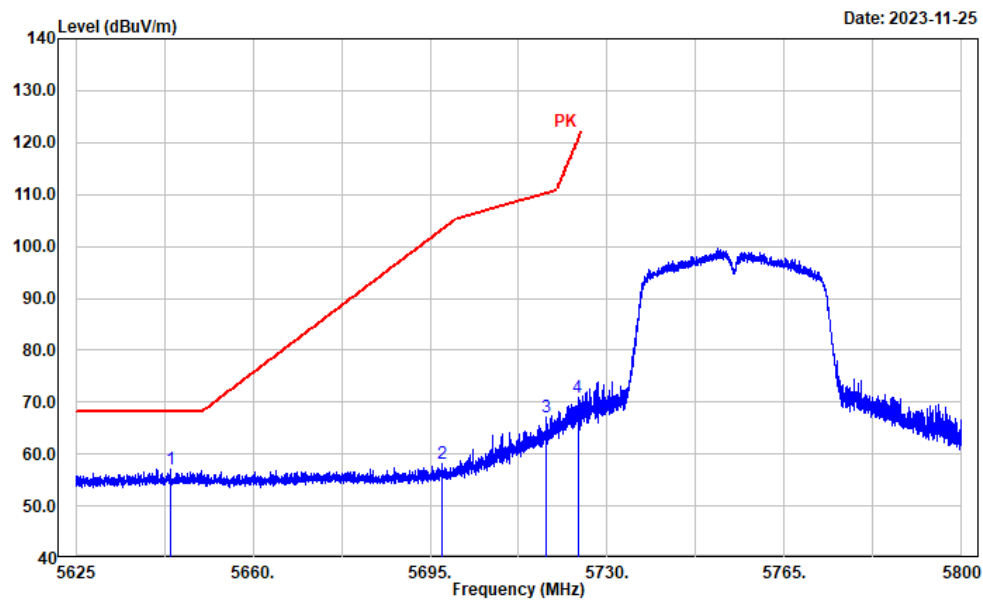
Test Channel:

5625-5800MHz

Ant. Polar. :

Horizontal

Project No.: CR231061506-RF
Tester: Tao Zhu
Polarization: Horizontal
Note: 802.11n ht40 Mode Low Channel



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	5643.729	44.87	12.29	57.16	68.20	11.04	Peak
2	5697.325	45.64	12.54	58.18	103.23	45.05	Peak
3	5717.838	54.40	12.57	66.97	110.20	43.23	Peak
4	5724.175	58.25	12.57	70.82	120.32	49.50	Peak

802.11n ht40

Test Channel:

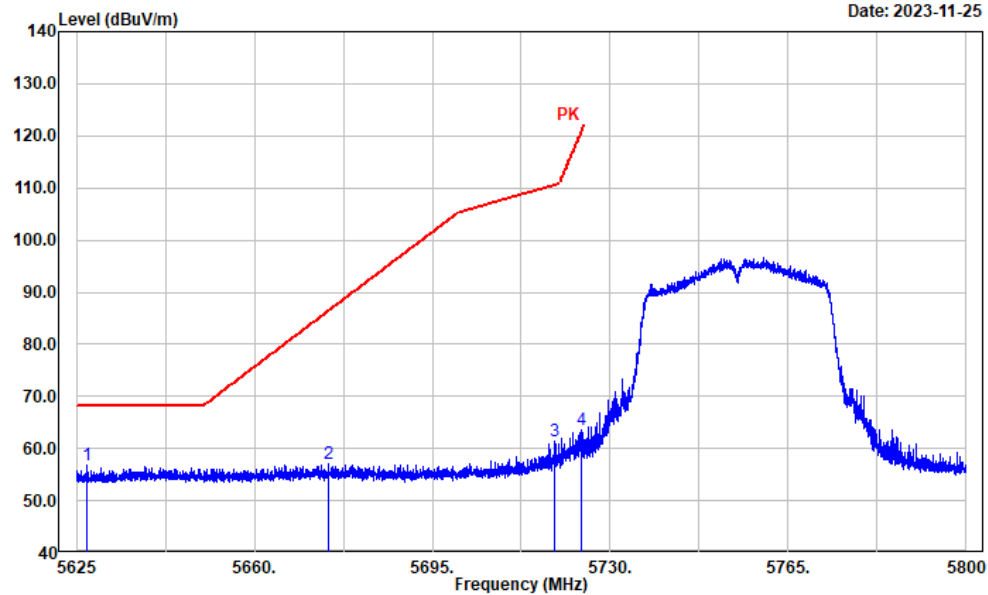
5625-5800MHz

Ant. Polar. :

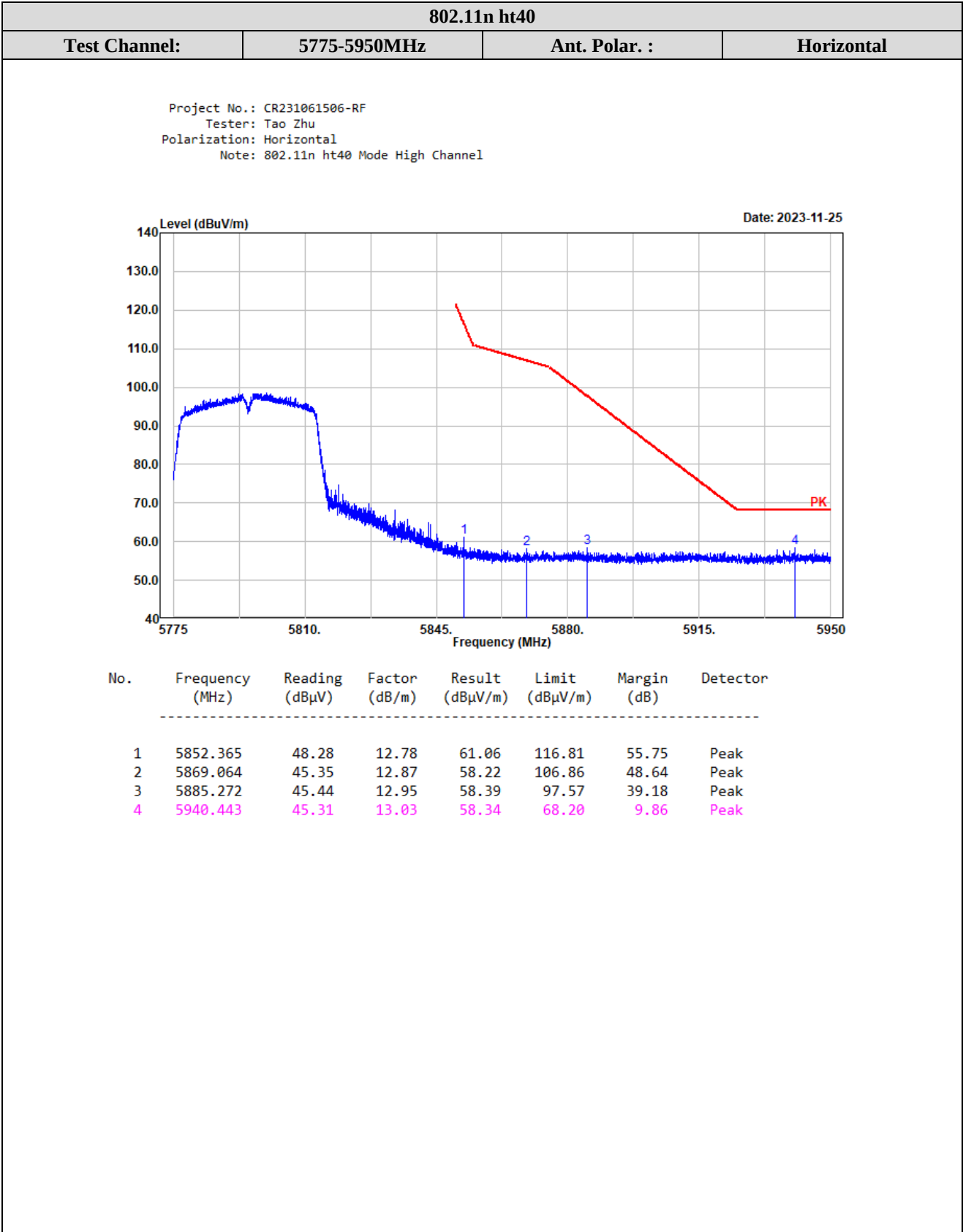
Vertical

Project No.: CR231061506-RF
Tester: Tao Zhu
Polarization: Vertical
Note: 802.11n ht40 Mode Low Channel

Date: 2023-11-25



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	5627.170	44.65	12.19	56.84	68.20	11.36	Peak
2	5674.605	44.51	12.44	56.95	86.45	29.50	Peak
3	5718.959	48.92	12.57	61.49	110.51	49.02	Peak
4	5724.210	51.11	12.57	63.68	120.40	56.72	Peak



802.11n ht40

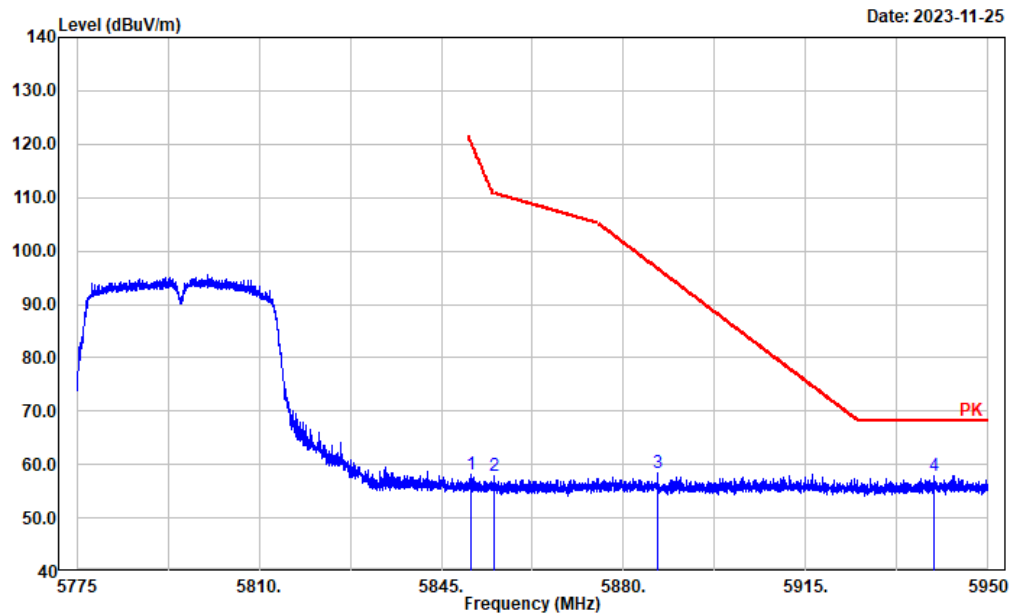
Test Channel:

5775-5950MHz

Ant. Polar. :

Vertical

Project No.: CR231061506-RF
Tester: Tao Zhu
Polarization: Vertical
Note: 802.11n ht40 Mode High Channel



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	5850.825	45.50	12.77	58.27	120.32	62.05	Peak
2	5855.271	44.99	12.80	57.79	110.72	52.93	Peak
3	5886.637	45.39	12.96	58.35	96.56	38.21	Peak
4	5939.638	44.86	13.03	57.89	68.20	10.31	Peak

802.11ac vht80

Test Channel:

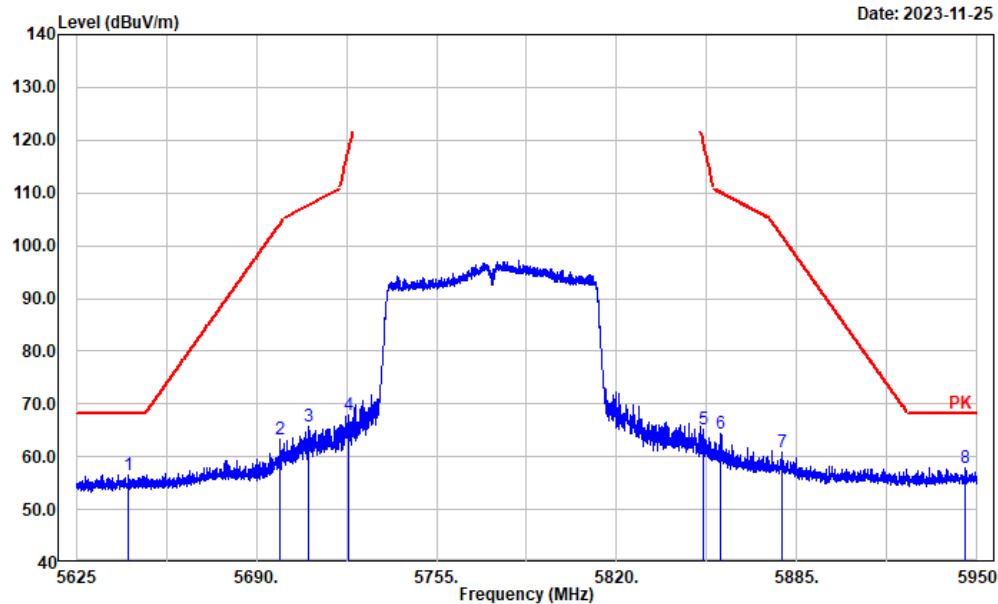
5625-5950MHz

Ant. Polar. :

Horizontal

Project No.: CR231061506-RF
 Tester: Tao Zhu
 Polarization: Horizontal
 Note: 802.11ac80 Mode Middle Channel

Date: 2023-11-25



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	5643.919	44.31	12.29	56.60	68.20	11.60	Peak
2	5698.725	50.77	12.55	63.32	104.26	40.94	Peak
3	5708.737	53.22	12.56	65.78	107.65	41.87	Peak
4	5723.104	55.27	12.57	67.84	117.88	50.04	Peak
5	5851.115	52.46	12.77	65.23	119.66	54.43	Peak
6	5857.227	51.61	12.81	64.42	110.18	45.76	Peak
7	5879.851	47.86	12.92	60.78	101.60	40.82	Peak
8	5945.774	44.79	13.03	57.82	68.20	10.38	Peak

802.11ac vht80

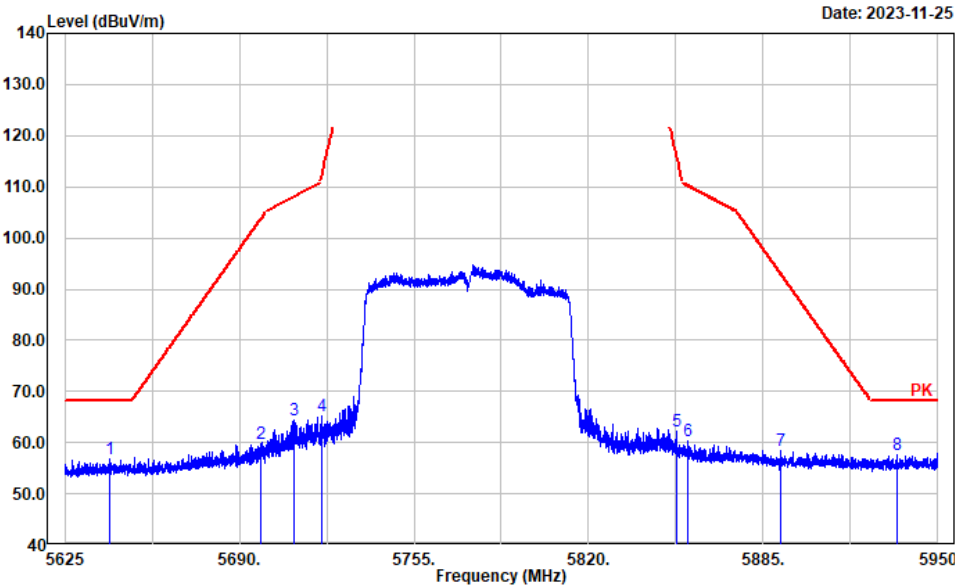
Test Channel:

5625-5950MHz

Ant. Polar. :

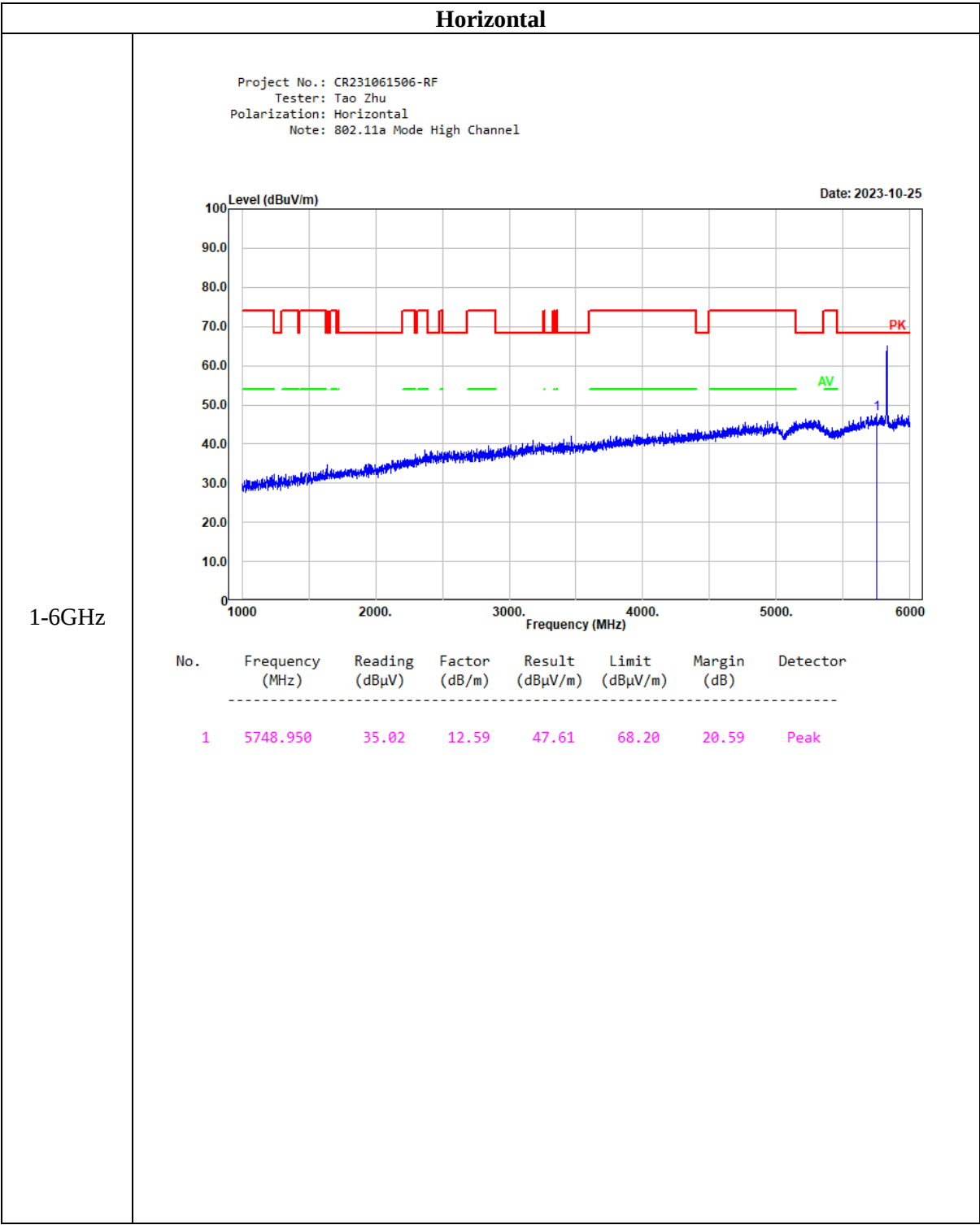
Vertical

Project No.: CR231061506-RF
 Tester: Tao Zhu
 Polarization: Vertical
 Note: 802.11ac80 Mode Middle Channel



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	5641.838	44.43	12.28	56.71	68.20	11.49	Peak
2	5697.814	47.34	12.54	59.88	103.59	43.71	Peak
3	5710.232	51.79	12.56	64.35	108.07	43.72	Peak
4	5720.634	52.57	12.57	65.14	112.25	47.11	Peak
5	5852.806	49.34	12.78	62.12	115.80	53.68	Peak
6	5856.707	47.44	12.81	60.25	110.32	50.07	Peak
7	5891.683	45.49	12.98	58.47	92.82	34.35	Peak
8	5934.722	44.61	13.04	57.65	68.20	10.55	Peak

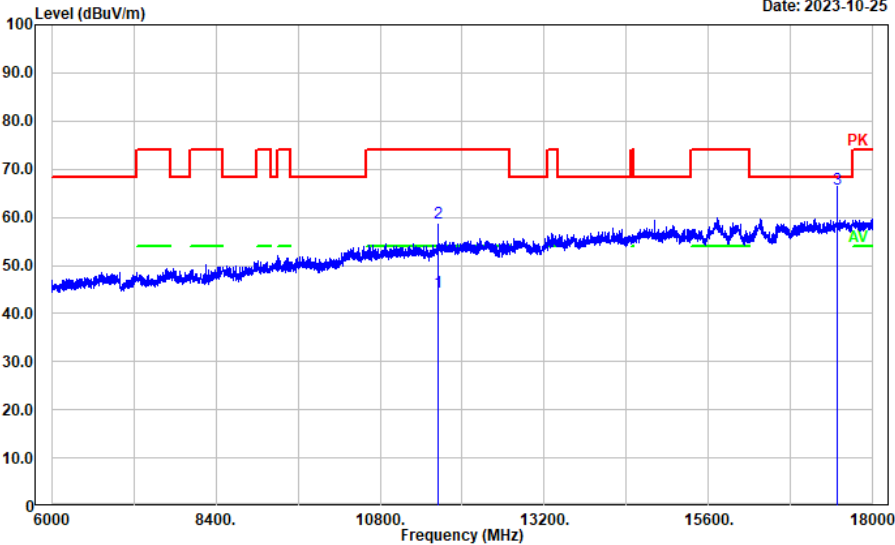
Worst Harmonic Margin Test plots (802.11a 5825MHz was the worst)
Antenna 0:



Horizontal

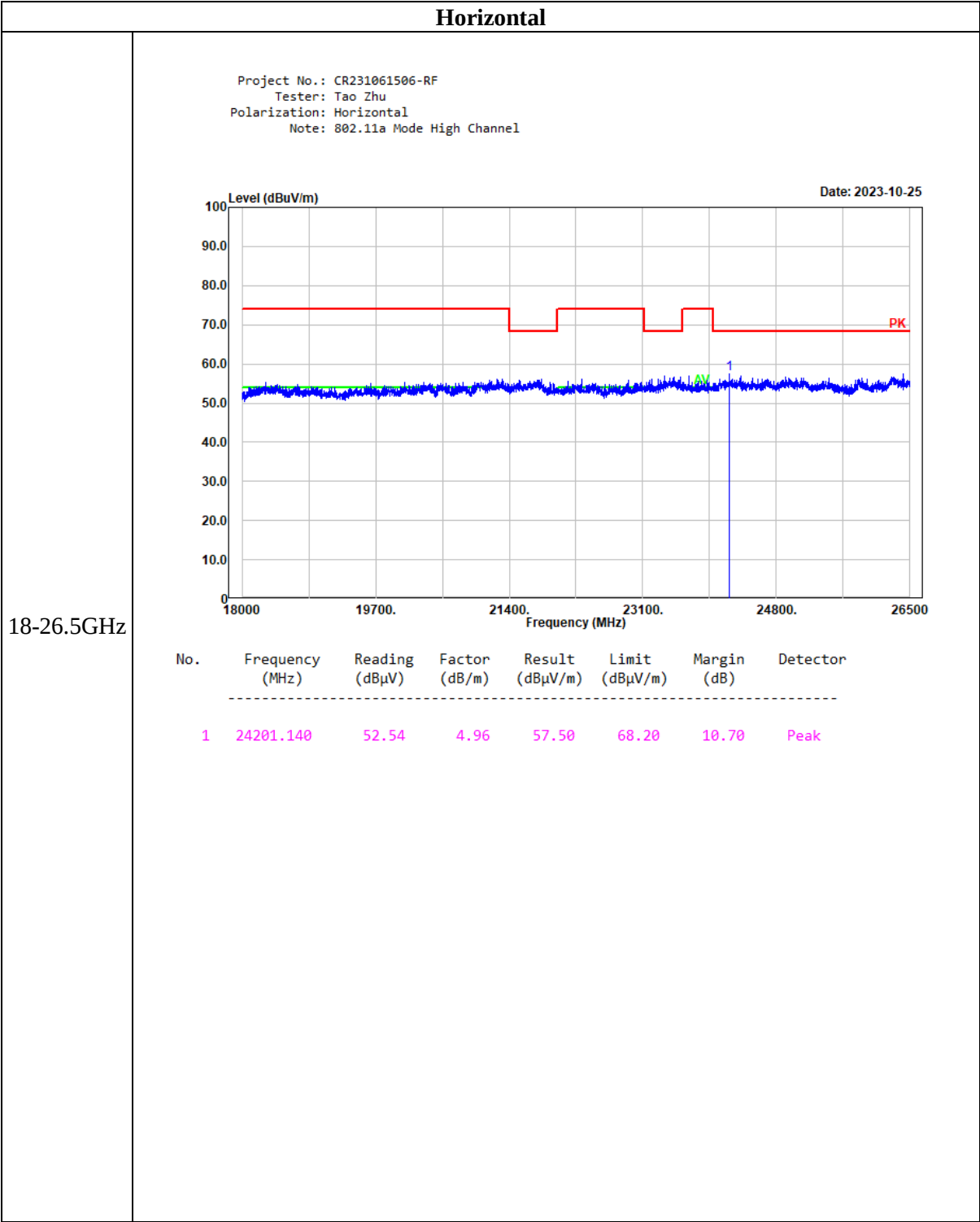
Project No.: CR231061506-RF
Tester: Tao Zhu
Polarization: Horizontal
Note: 802.11a Mode High Channel

Date: 2023-10-25



6-18GHz

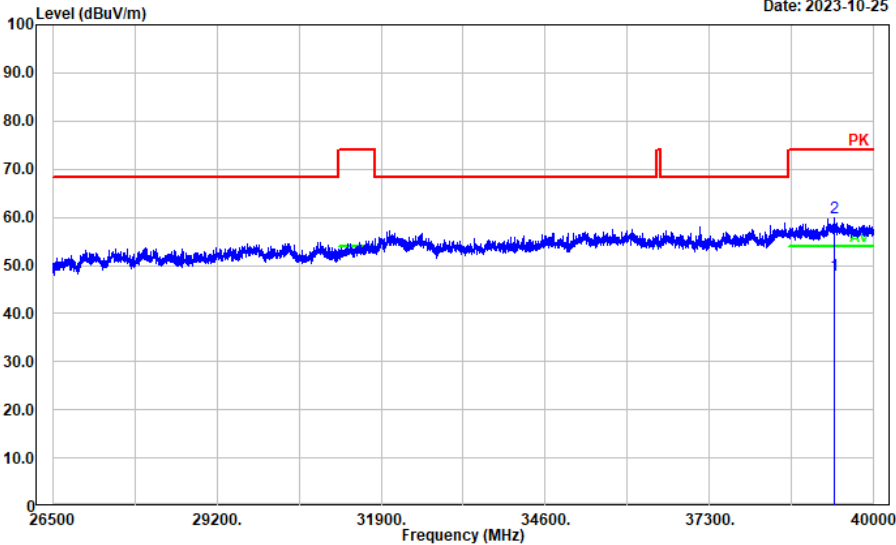
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	11650.000	22.50	22.04	44.54	54.00	9.46	Average
2	11650.000	36.70	22.04	58.74	74.00	15.26	Peak
3	17475.000	36.07	29.89	65.96	68.20	2.24	Peak



Horizontal

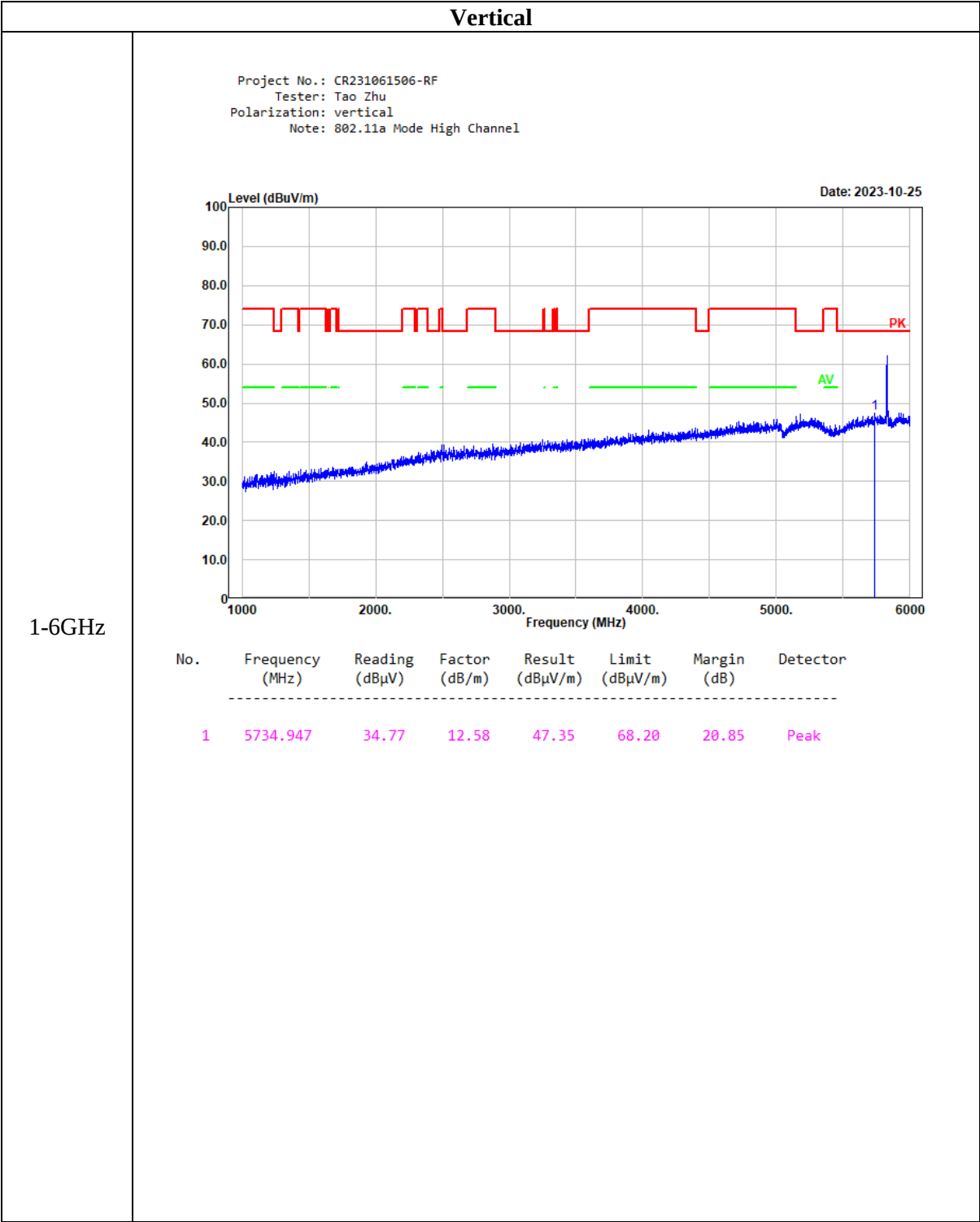
Project No.: CR231061506-RF
Tester: Tao Zhu
Polarization: Horizontal
Note: 802.11a Mode High Channel

Date: 2023-10-25



26.5-40GHz

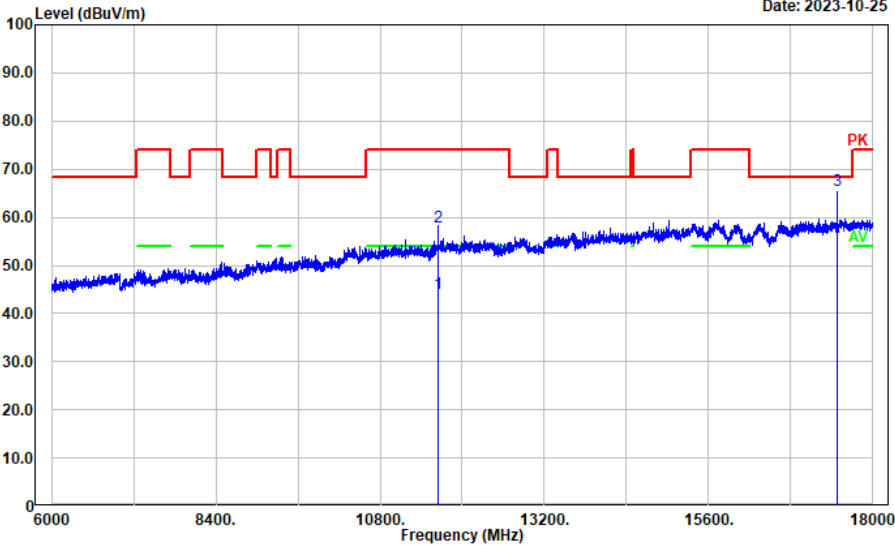
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	39346.470	37.67	10.18	47.85	54.00	6.15	Average
2	39346.470	49.80	10.18	59.98	74.00	14.02	Peak



Vertical

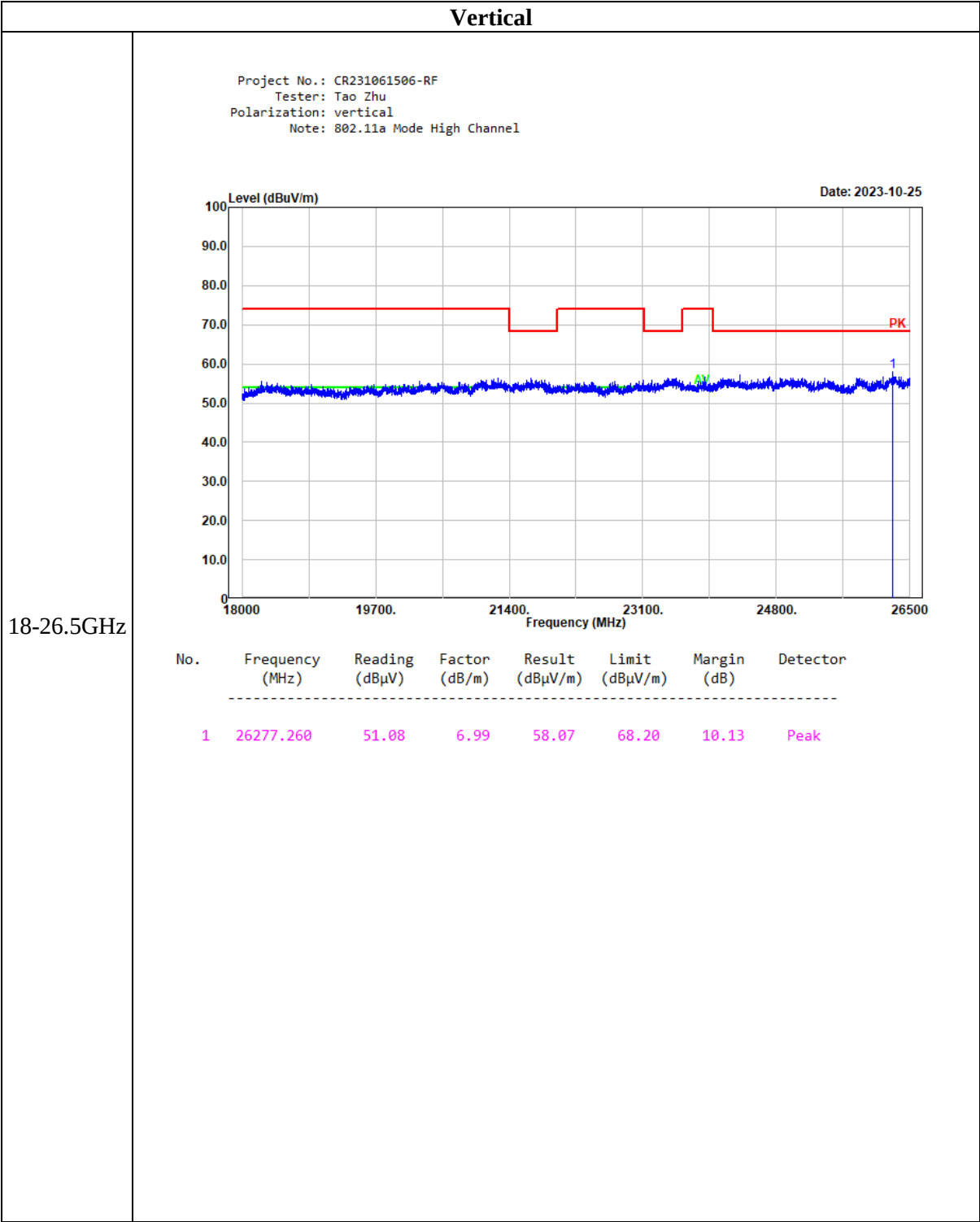
Project No.: CR231061506-RF
Tester: Tao Zhu
Polarization: vertical
Note: 802.11a Mode High Channel

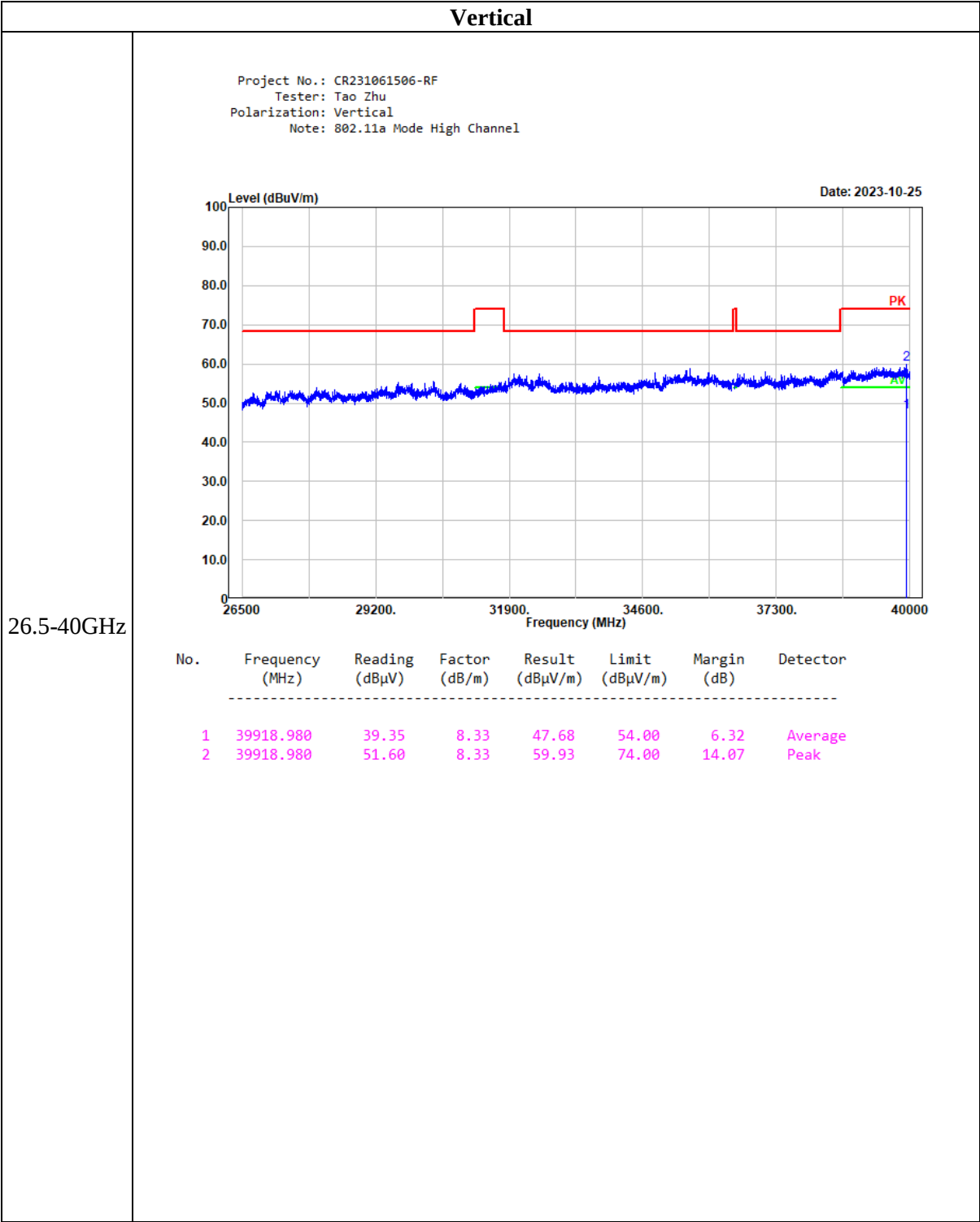
Date: 2023-10-25



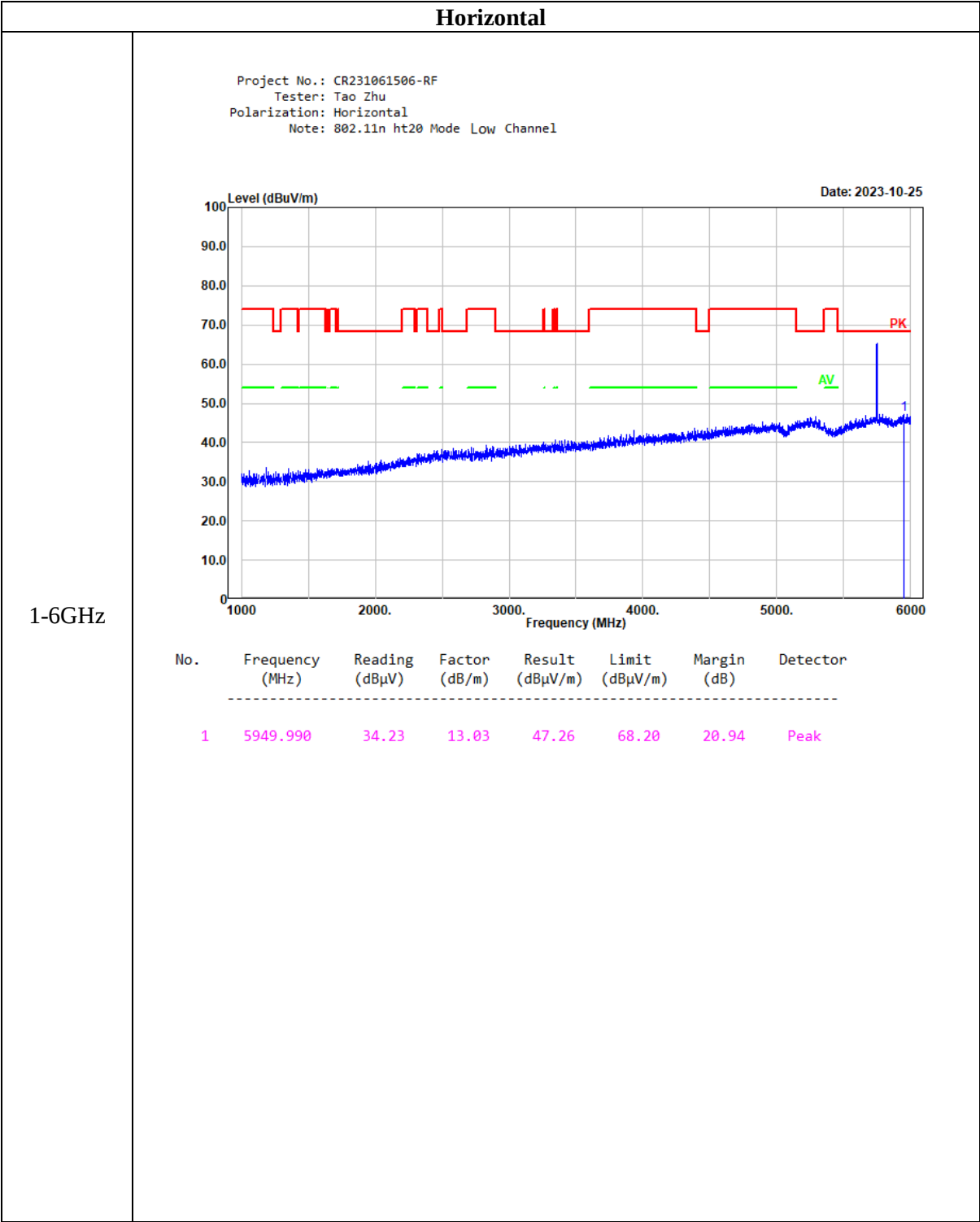
6-18GHz

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	11650.000	22.14	22.04	44.18	54.00	9.82	Average
2	11650.000	36.03	22.04	58.07	74.00	15.93	Peak
3	17475.000	35.63	29.89	65.52	68.20	2.68	Peak





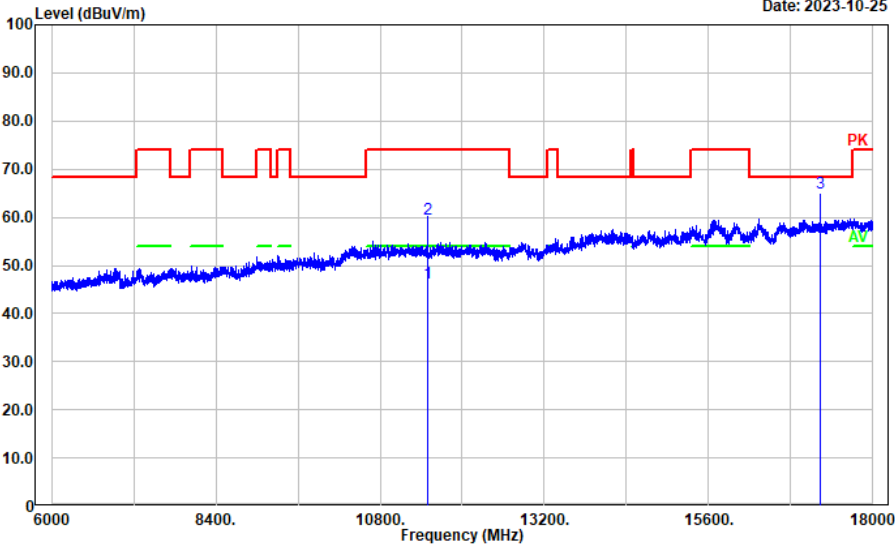
Worst Harmonic Margin Test plots (802.11n20 5745MHz was the worst)
Antenna 1:



Horizontal

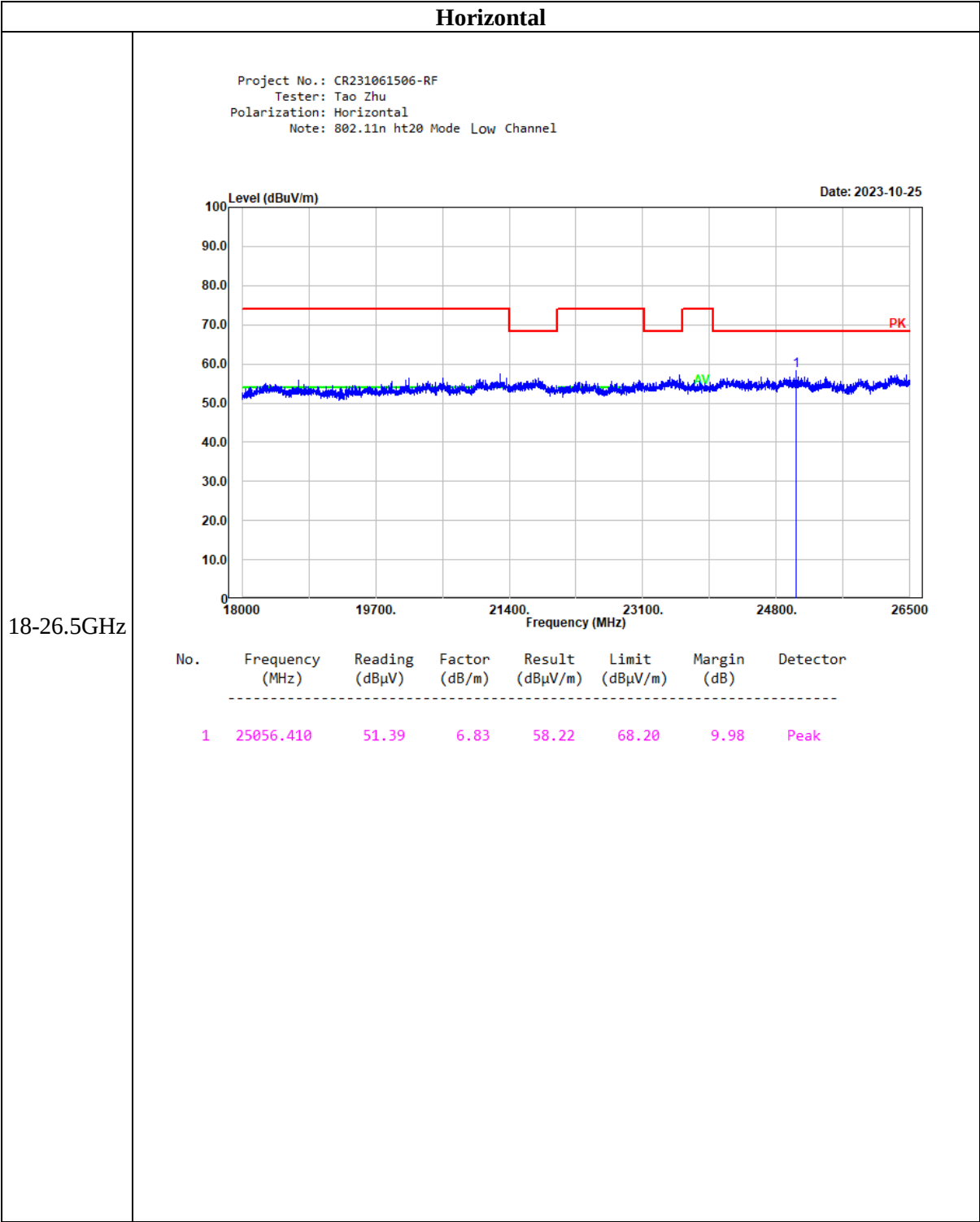
Project No.: CR231061506-RF
Tester: Tao Zhu
Polarization: Horizontal
Note: 802.11n ht20 Mode Low Channel

Date: 2023-10-25



6-18GHz

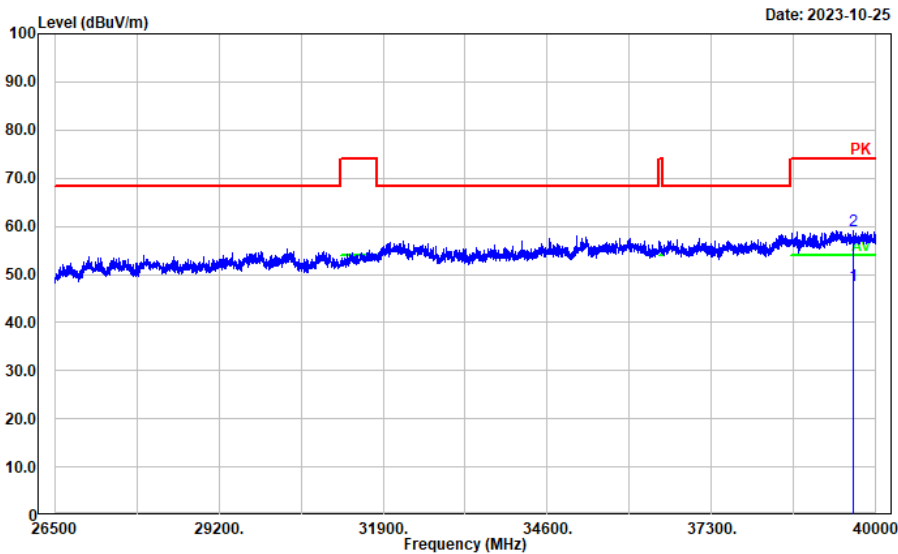
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	11490.000	24.76	21.49	46.25	54.00	7.75	Average
2	11490.000	38.18	21.49	59.67	74.00	14.33	Peak
3	17235.000	36.44	28.71	65.15	68.20	3.05	Peak



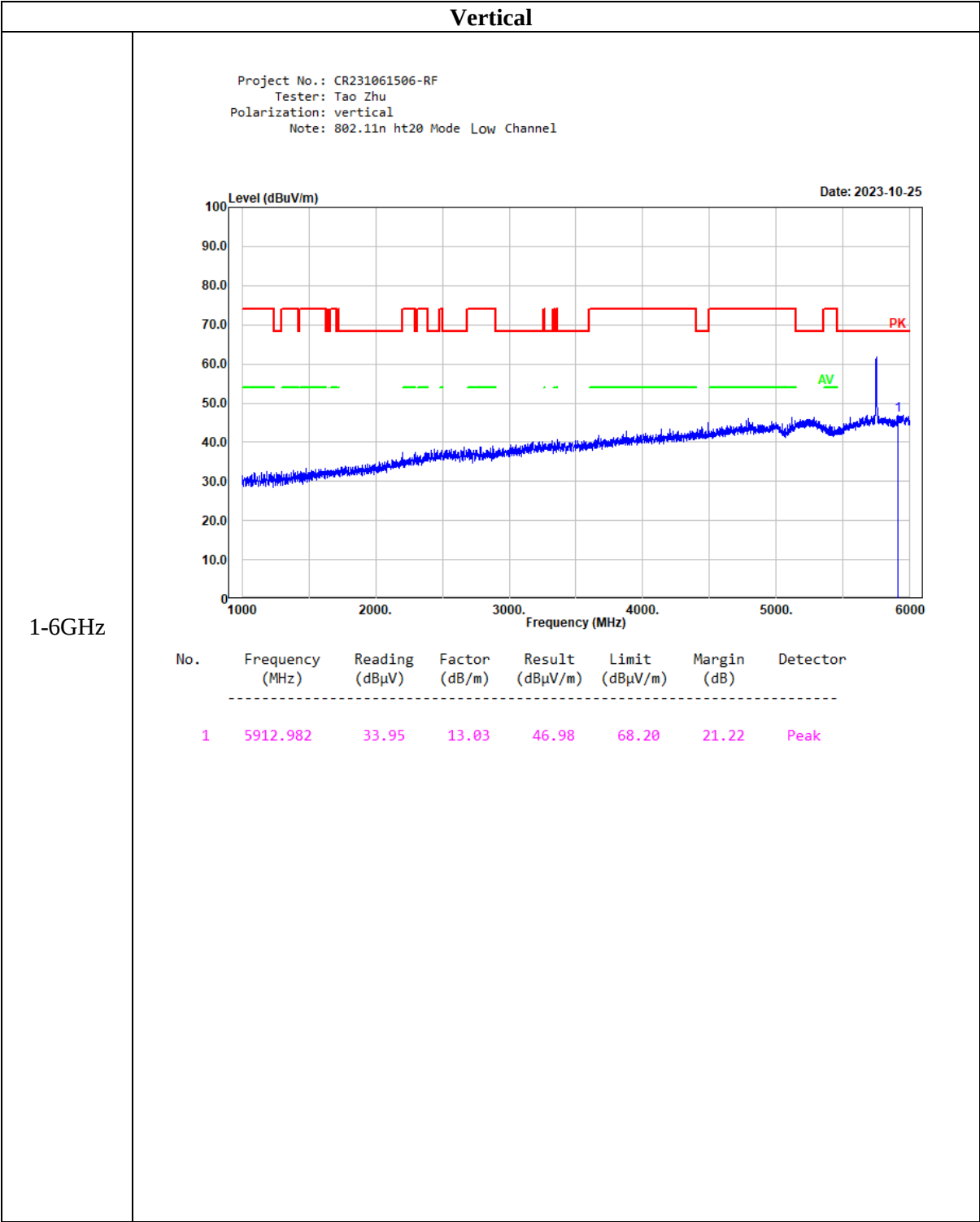
Horizontal

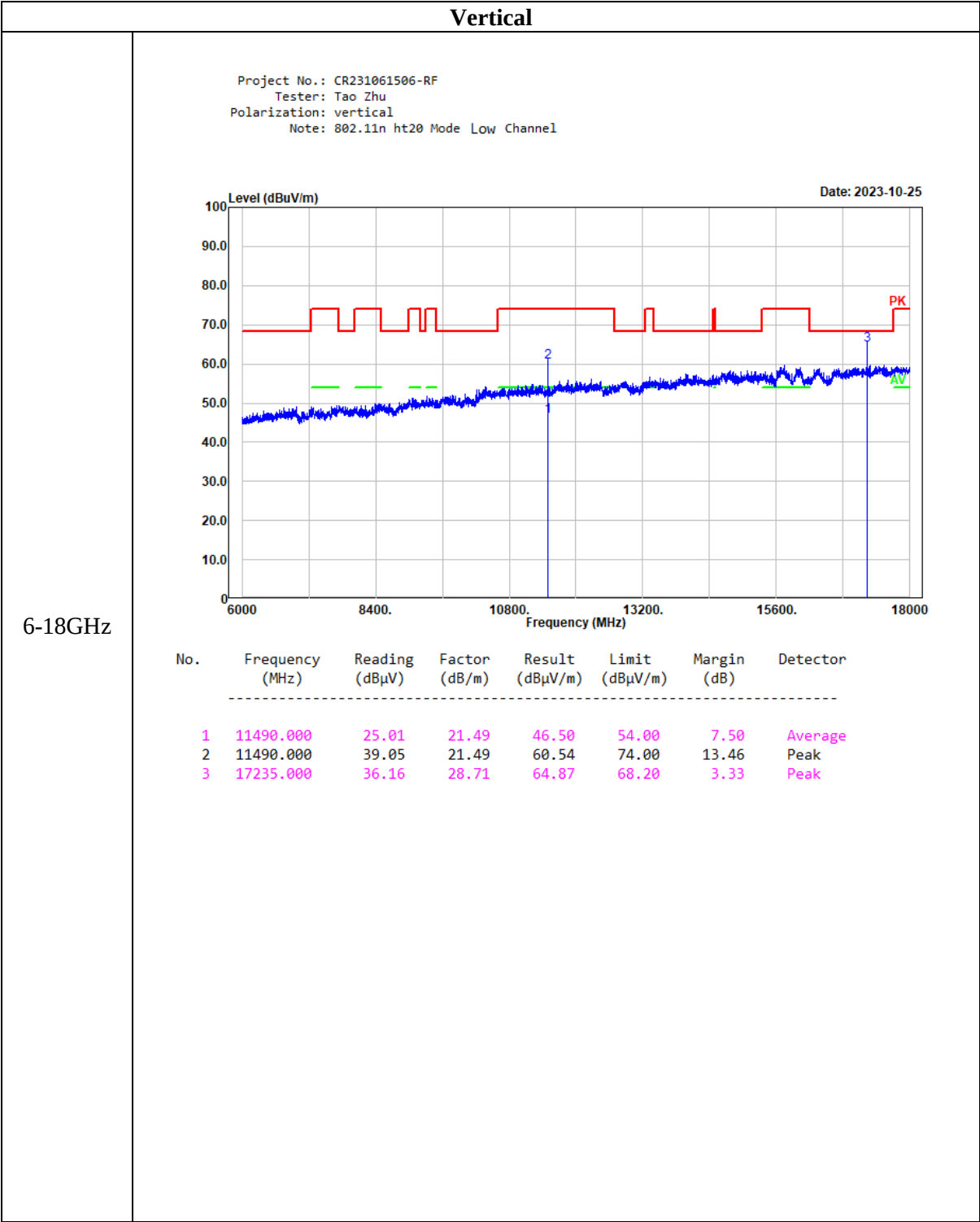
26.5-40GHz

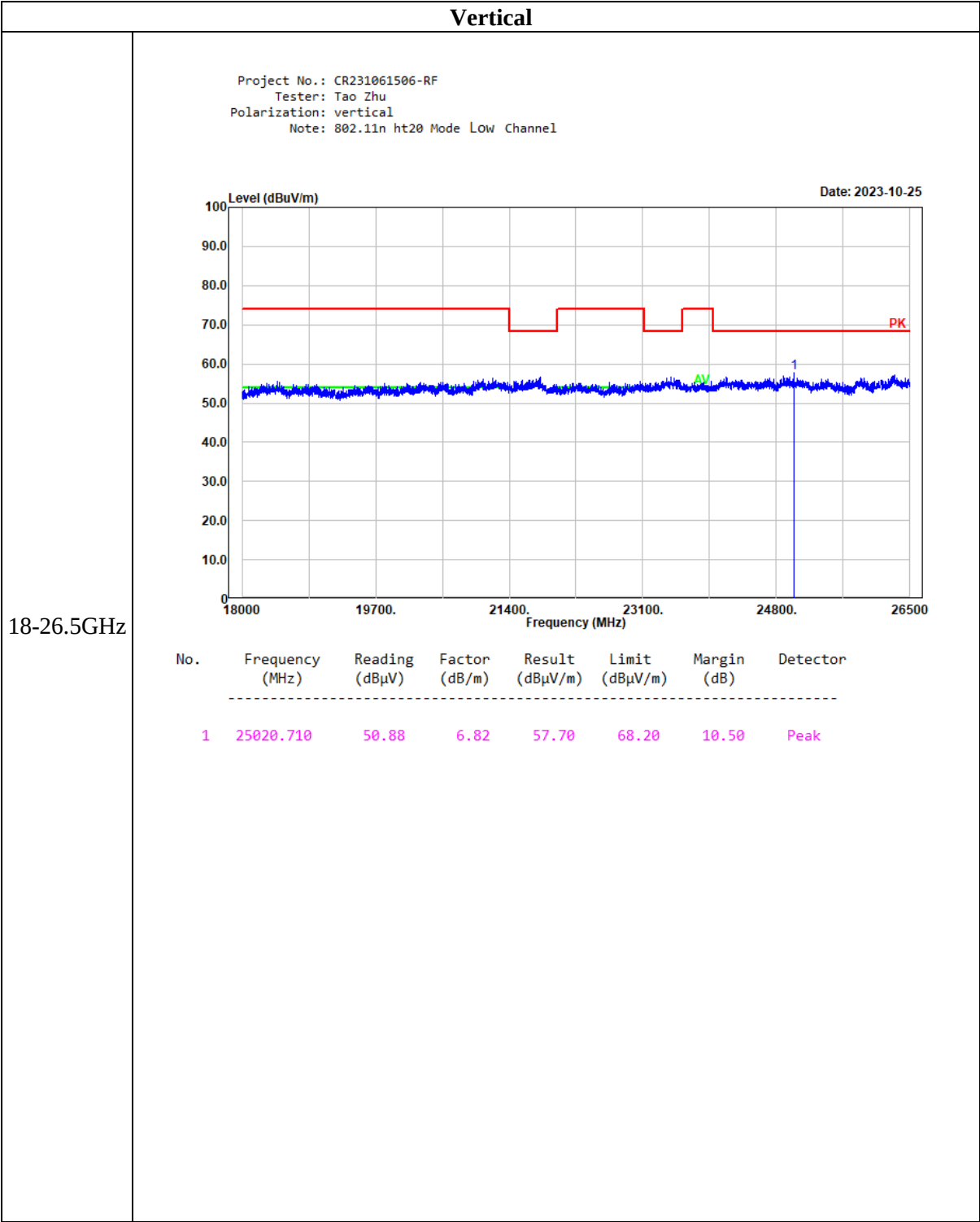
Project No.: CR231061506-RF
Tester: Tao Zhu
Polarization: Horizontal
Note: 802.11n ht20 Mode Low Channel



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	39627.320	38.14	9.64	47.78	54.00	6.22	Average
2	39627.320	49.45	9.64	59.09	74.00	14.91	Peak



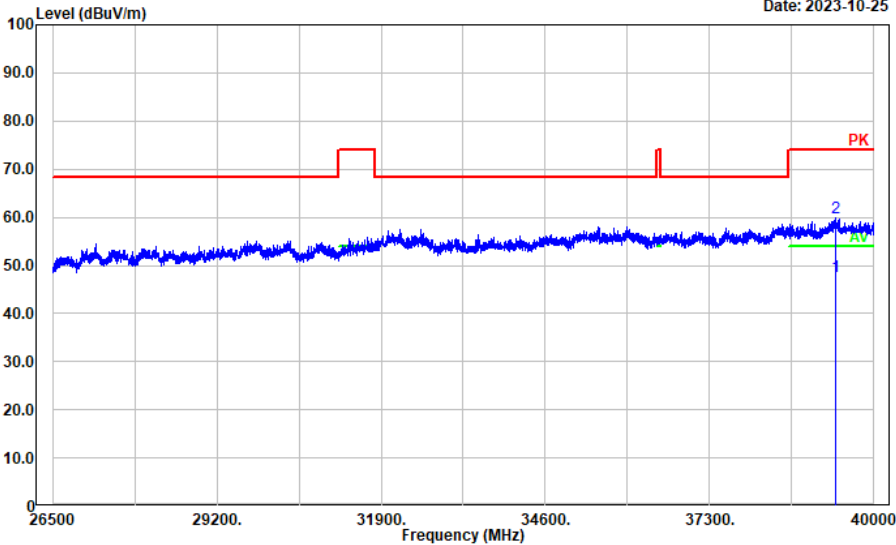




Vertical

Project No.: CR231061506-RF
Tester: Tao Zhu
Polarization: Vertical
Note: 802.11n ht20 Mode Low Channel

Date: 2023-10-25



26.5-40GHz

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	39376.180	37.49	10.17	47.66	54.00	6.34	Average
2	39376.180	49.65	10.17	59.82	74.00	14.18	Peak

4.3 Emission Bandwidth:

Serial Number:	2CII-1	Test Date:	2023/11/11-2023/11/16
Test Site:	RF	Test Mode:	Transmitting
Tester:	Lingling Li	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	24.3	Relative Humidity: (%)	52	ATM Pressure: (kPa)	100.4
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101590	2022/11/25	2023/11/24
zhuoxiang	Coaxial Cable	SMA-178	211003	Each time	N/A
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060302	Each time	N/A

* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data:**Antenna 0:****5150-5250MHz**

Test Modes	Test Frequency (MHz)	26 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
802.11a	5180	24.16	17.02
	5200	27.2	17.3
	5240	27.28	17.22
802.11n ht20	5180	27.48	17.98
	5200	29.48	18.06
	5240	28.12	18.02
802.11n ht40	5190	41.28	36.28
	5230	41.12	36.28
802.11ac vht80	5210	81.76	75.44

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

5725-5850MHz

Test Modes	Test Frequency (MHz)	6 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
802.11a	5745	16.40	17.38
	5785	16.40	17.46
	5825	16.40	17.54
802.11n ht20	5745	17.68	18.18
	5785	17.68	18.1
	5825	17.68	18.18
802.11n ht40	5755	36.48	36.36
	5795	36.48	36.26
802.11ac vht80	5775	76.56	75.76
Note: 1. 6dB Emission Bandwidth Limit: ≥ 0.5 MHz 2. the 99% Occupied Bandwidth have not fall into the band 5470-5725MHz, please refer to the test plots of 99% Occupied Bandwidth.			

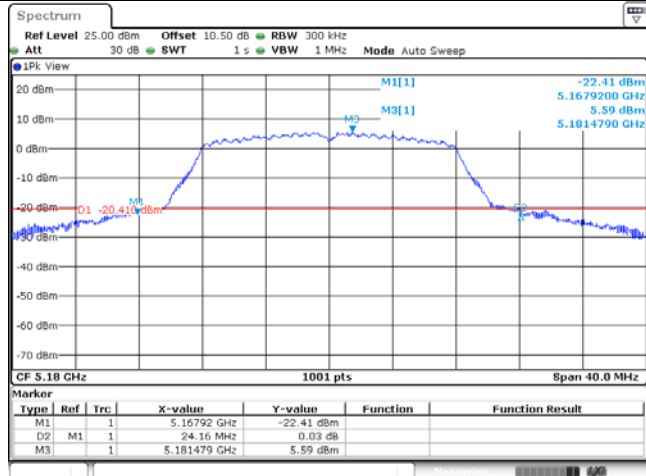
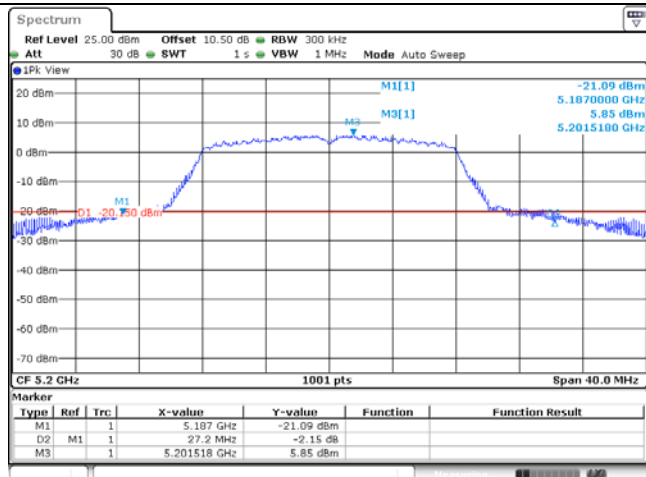
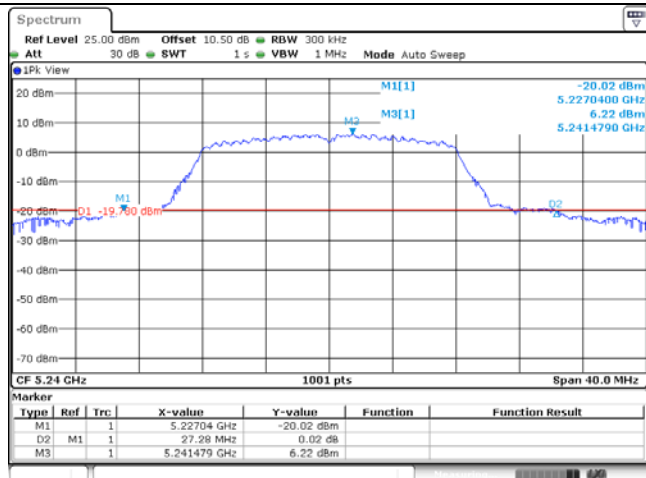
Antenna 1:**5150-5250MHz**

Test Modes	Test Frequency (MHz)	26 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
802.11a	5180	26.48	17.22
	5200	27.40	17.30
	5240	27.00	17.22
802.11n ht20	5180	29.00	18.06
	5200	29.76	18.06
	5240	27.68	18.02
802.11n ht40	5190	41.52	36.28
	5230	41.20	36.36
802.11ac vht80	5210	93.60	75.76

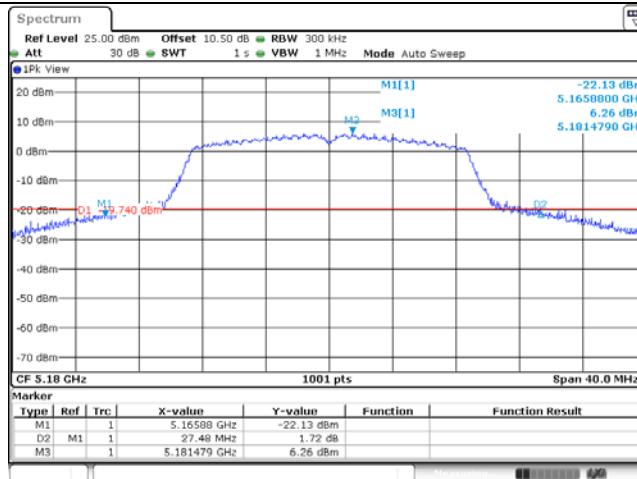
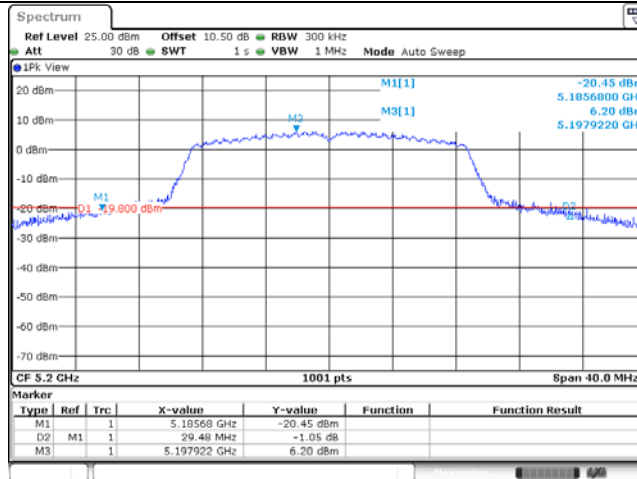
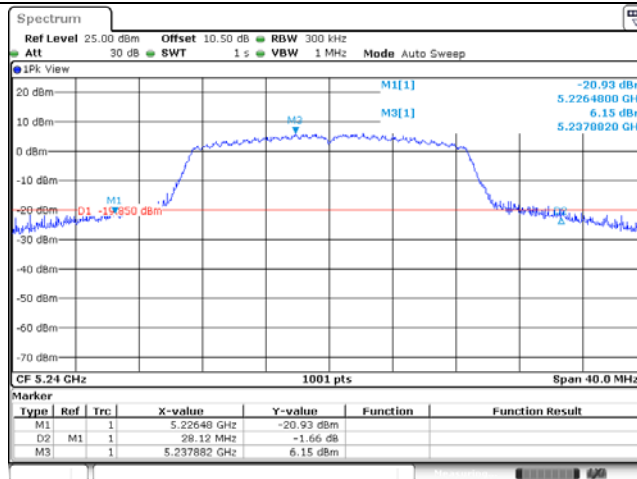
Note: the 99% Occupied Bandwidth have not fall into the band 5250-5350MHz, please refer to the test plots of 99% Occupied Bandwidth.

5725-5850MHz

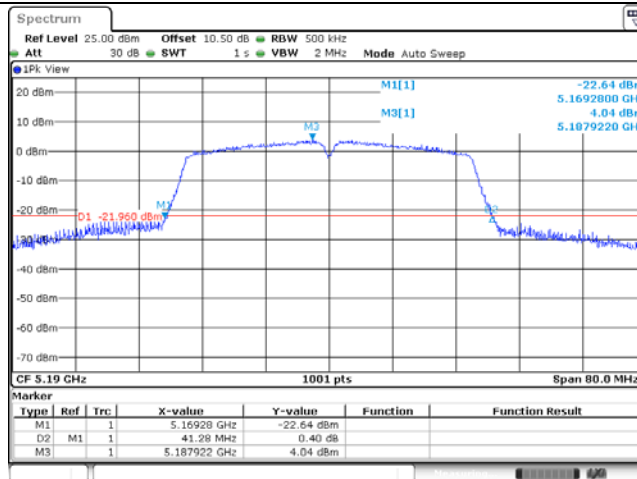
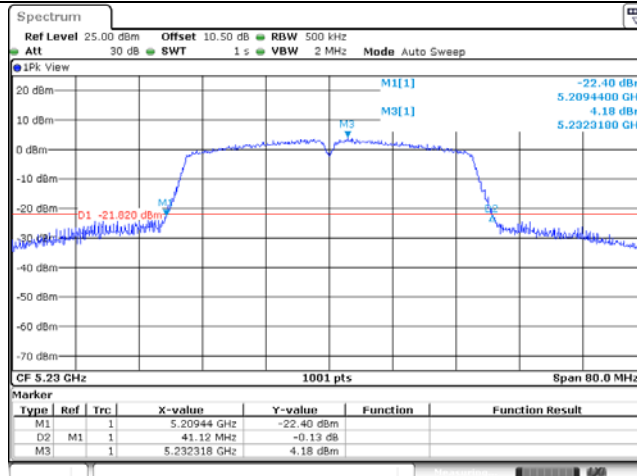
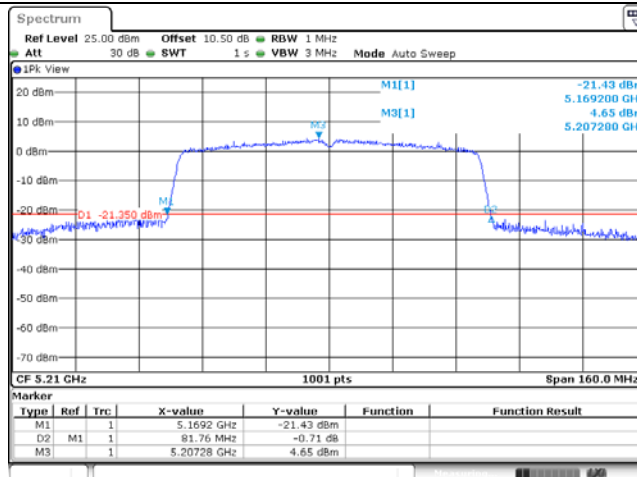
Test Modes	Test Frequency (MHz)	6 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
802.11a	5745	16.40	17.18
	5785	16.40	17.22
	5825	16.40	17.34
802.11n ht20	5745	17.64	18.10
	5785	17.68	18.10
	5825	17.68	18.18
802.11n ht40	5755	36.48	36.36
	5795	36.24	36.28
802.11ac vht80	5775	76.56	75.60
Note: 1. 6dB Emission Bandwidth Limit: ≥ 0.5 MHz 2. the 99% Occupied Bandwidth have not fall into the band 5470-5725MHz, please refer to the test plots of 99% Occupied Bandwidth.			

Antenna 0:
5150-5250MHz:**26dB Emission Bandwidth**802.11a
Lowest ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 16.NOV.2023 07:56:05802.11a
Middle ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 16.NOV.2023 07:59:12802.11a
Highest ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 16.NOV.2023 08:02:45

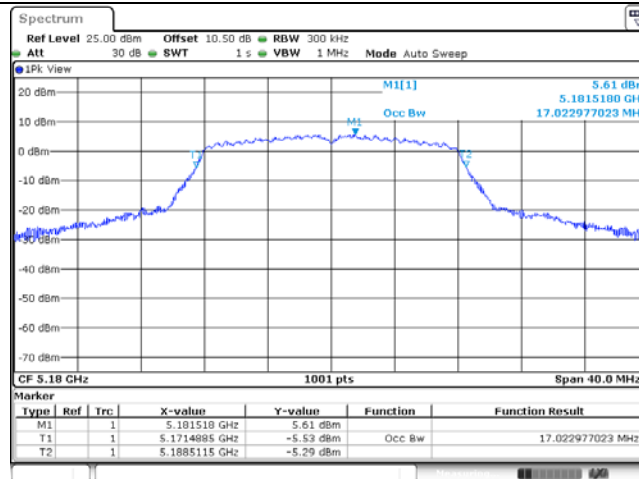
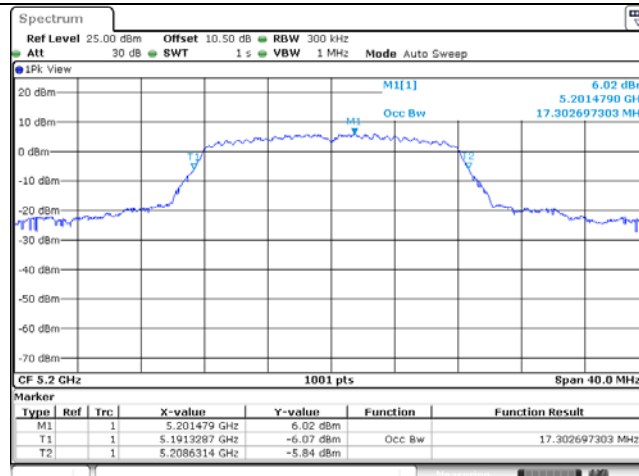
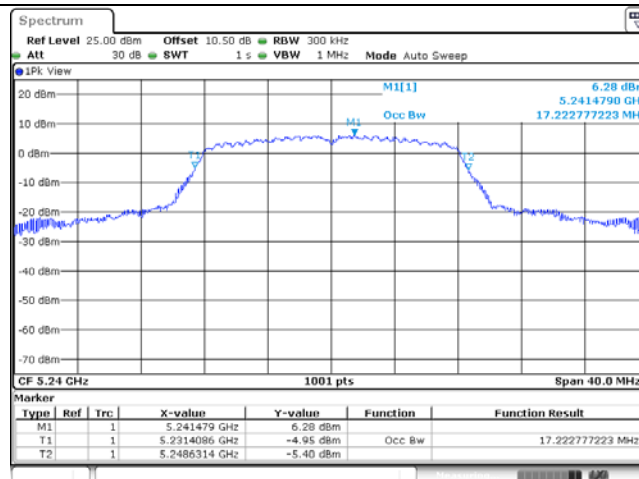
26dB Emission Bandwidth

802.11n ht20
Lowest Channel802.11n ht20
Middle Channel802.11n ht20
Highest Channel

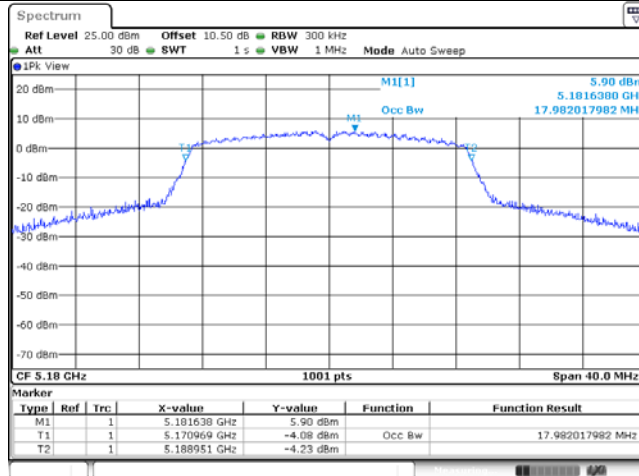
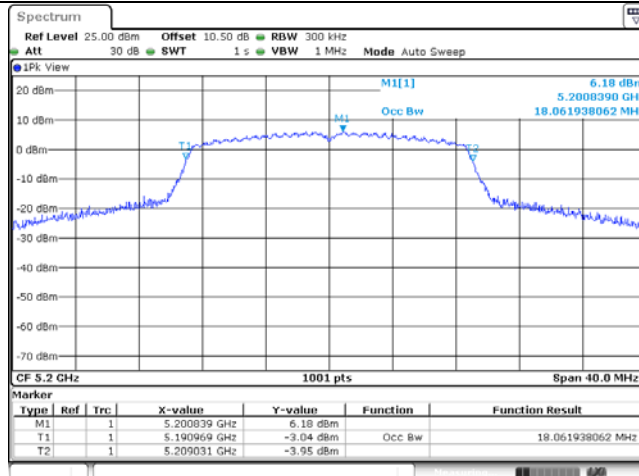
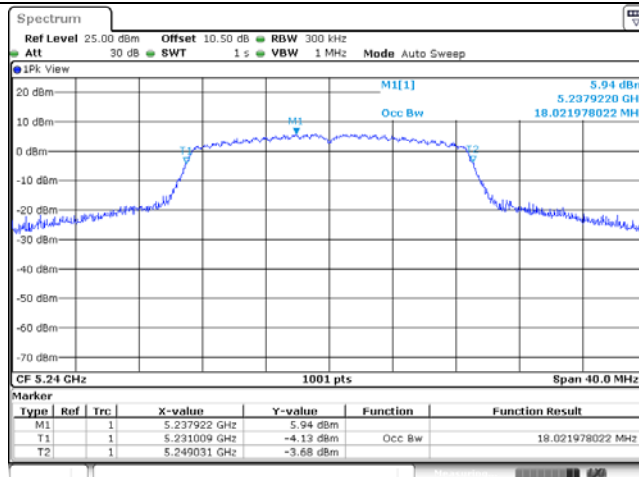
26dB Emission Bandwidth

802.11n ht40
Lowest ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 16.NOV.2023 08:38:48802.11n ht40
Highest ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 16.NOV.2023 08:42:17802.11ac vht80
Middle ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 16.NOV.2023 09:50:27

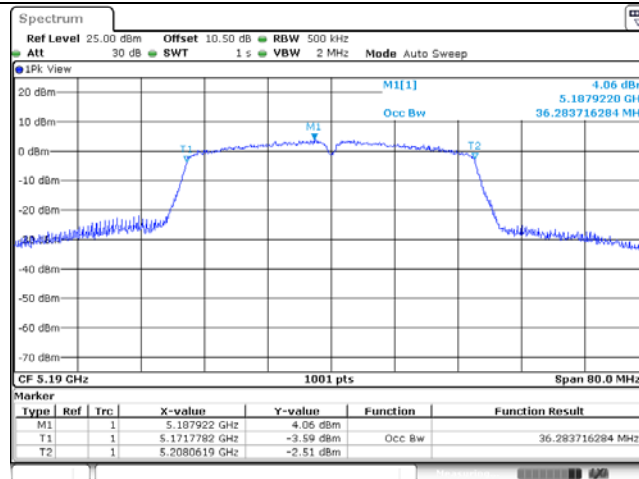
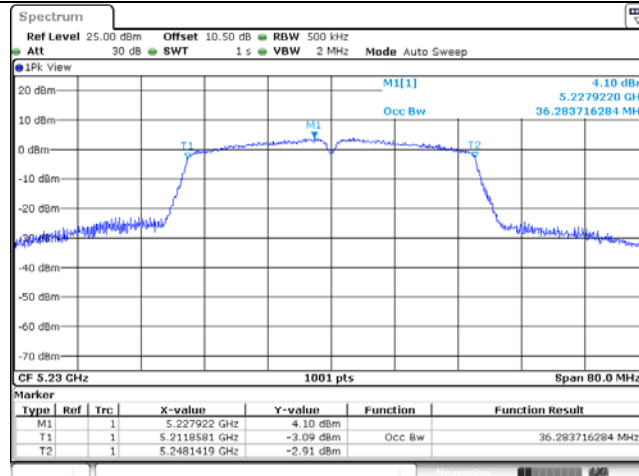
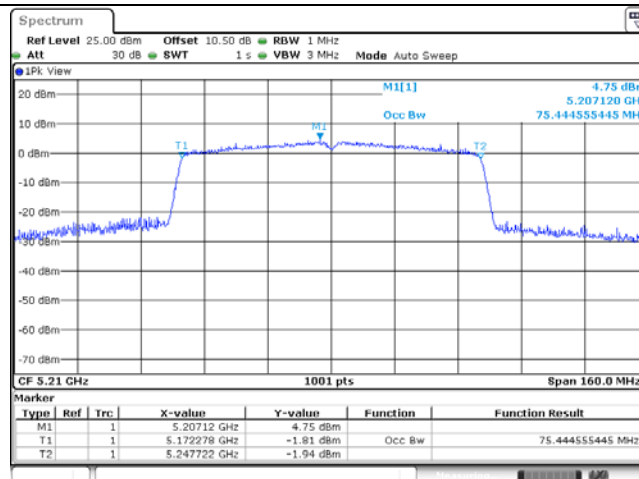
99% Emission Bandwidth

802.11a
Lowest ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 16.NOV.2023 07:55:20802.11a
Middle ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 16.NOV.2023 07:58:40802.11a
Highest ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 16.NOV.2023 08:01:36

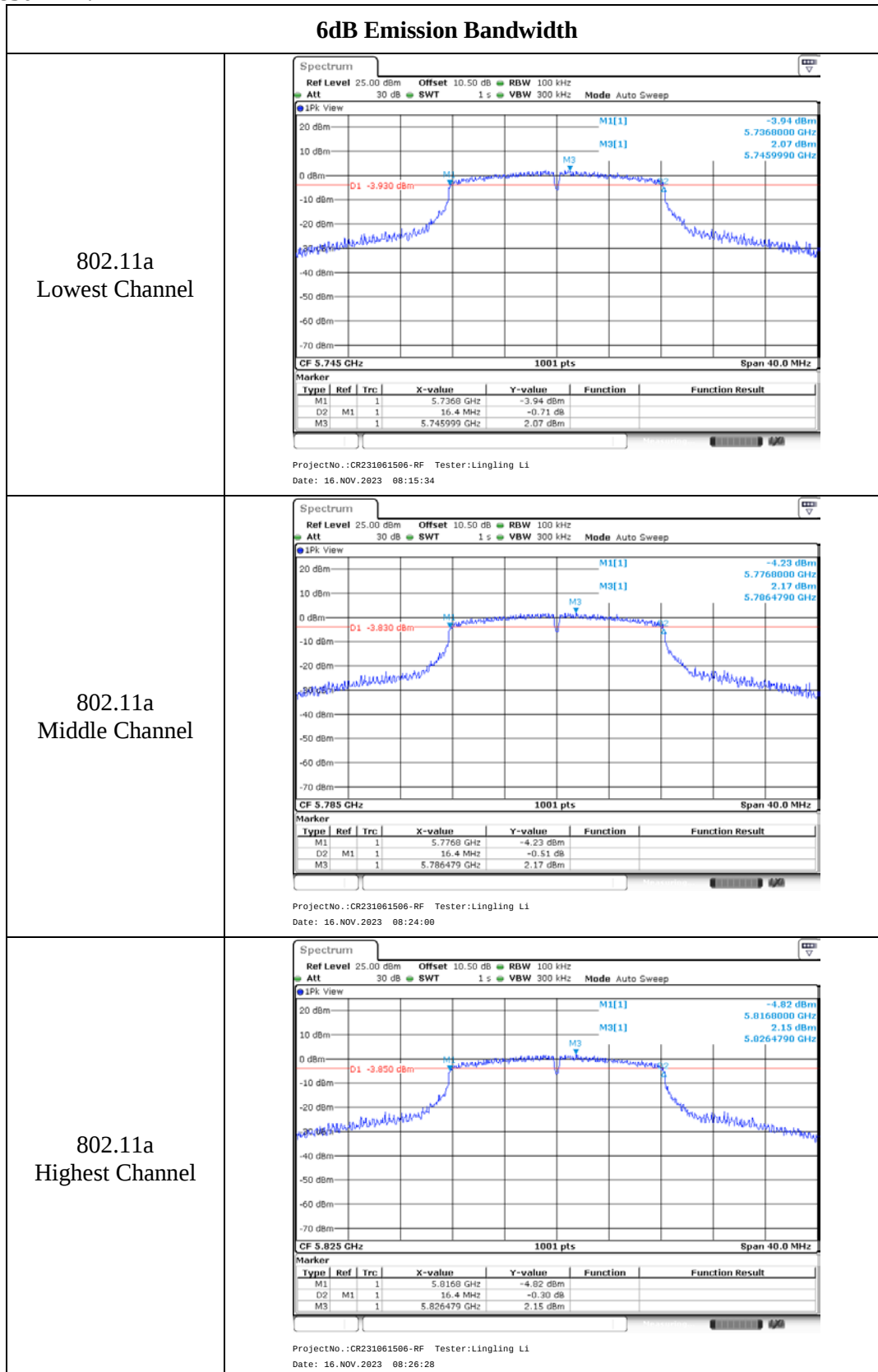
99% Emission Bandwidth

802.11n ht20
Lowest ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 16.NOV.2023 08:06:40802.11n ht20
Middle ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 16.NOV.2023 08:09:21802.11n ht20
Highest ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 16.NOV.2023 08:11:55

99% Emission Bandwidth

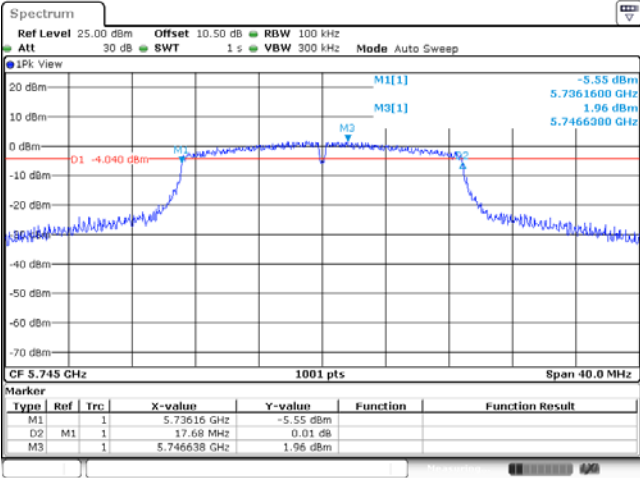
802.11n ht40
Lowest Channel802.11n ht40
Highest Channel802.11ac vht80
Middle Channel

5725-5850MHz:



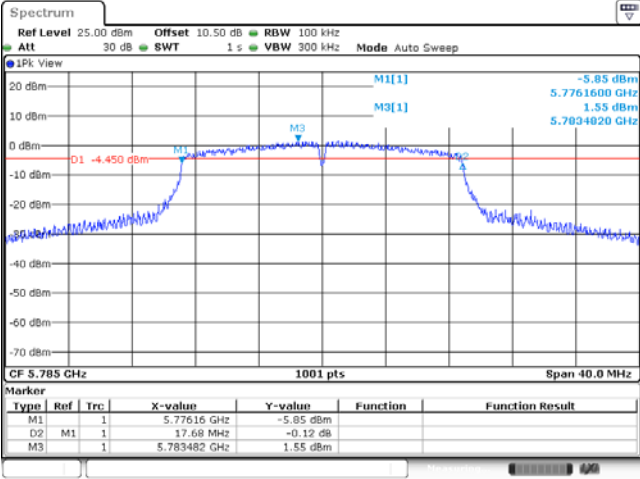
6dB Emission Bandwidth

802.11n ht20
Lowest Channel



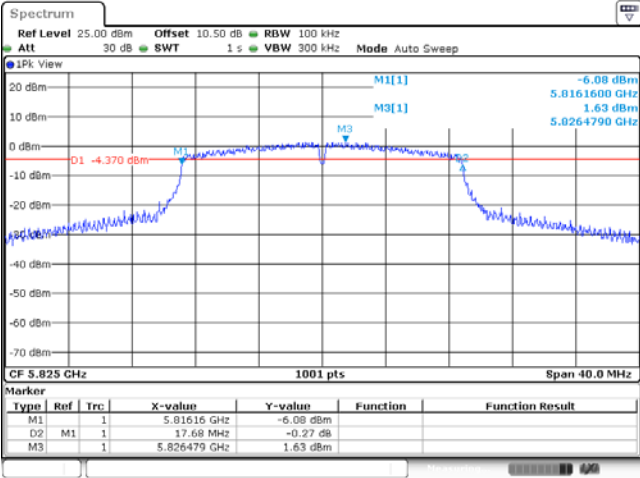
ProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 16.NOV.2023 08:29:53

802.11n ht20
Middle Channel



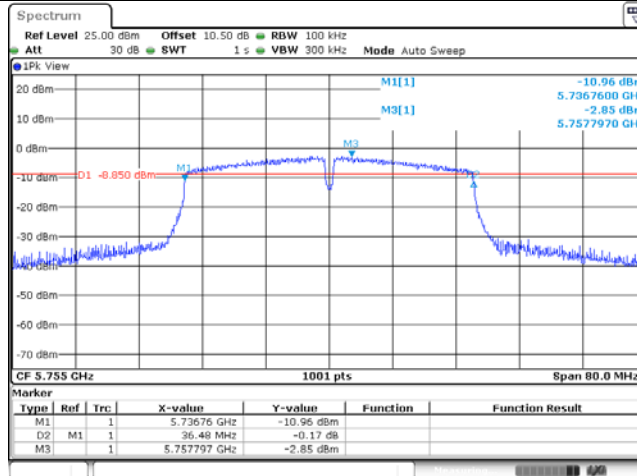
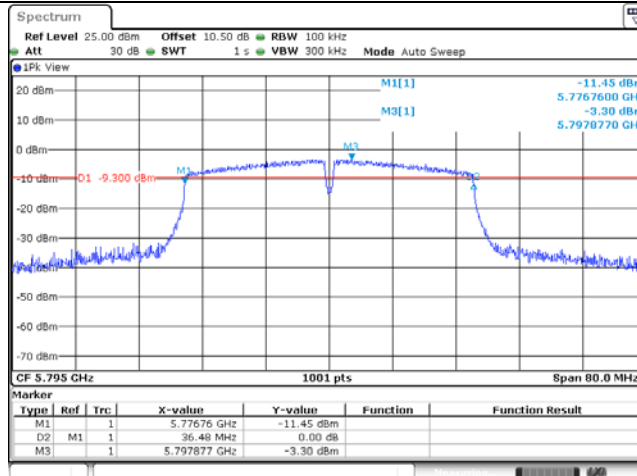
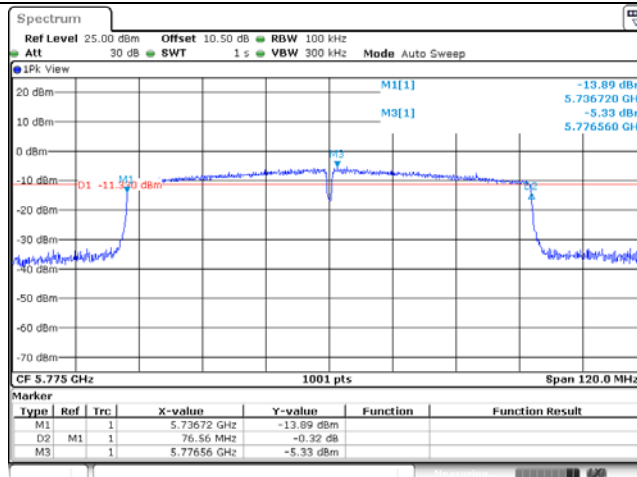
ProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 16.NOV.2023 08:32:09

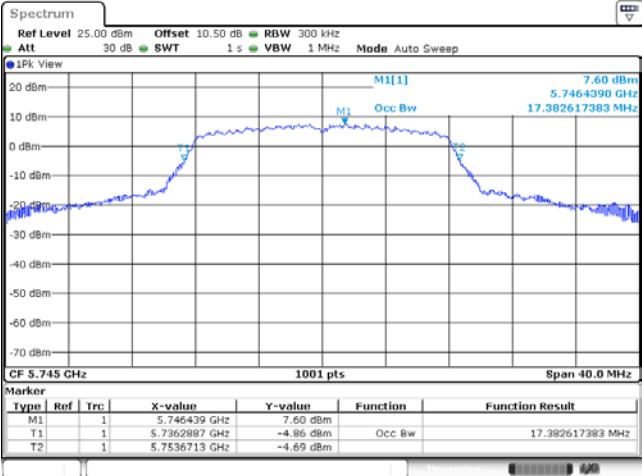
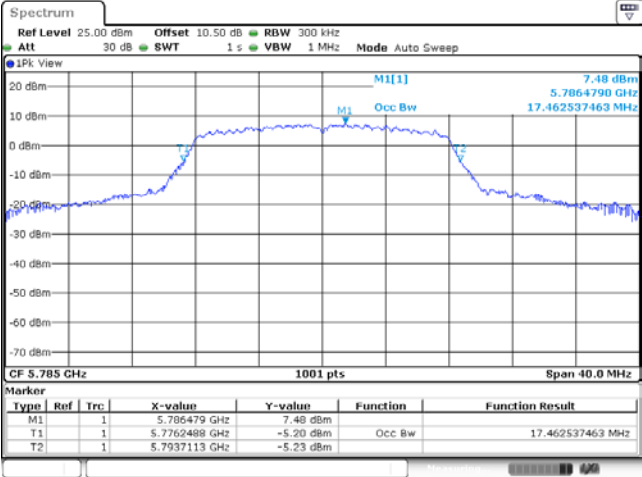
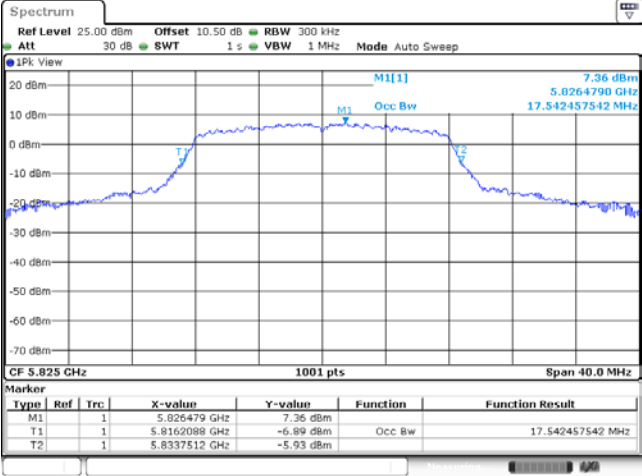
802.11n ht20
Highest Channel

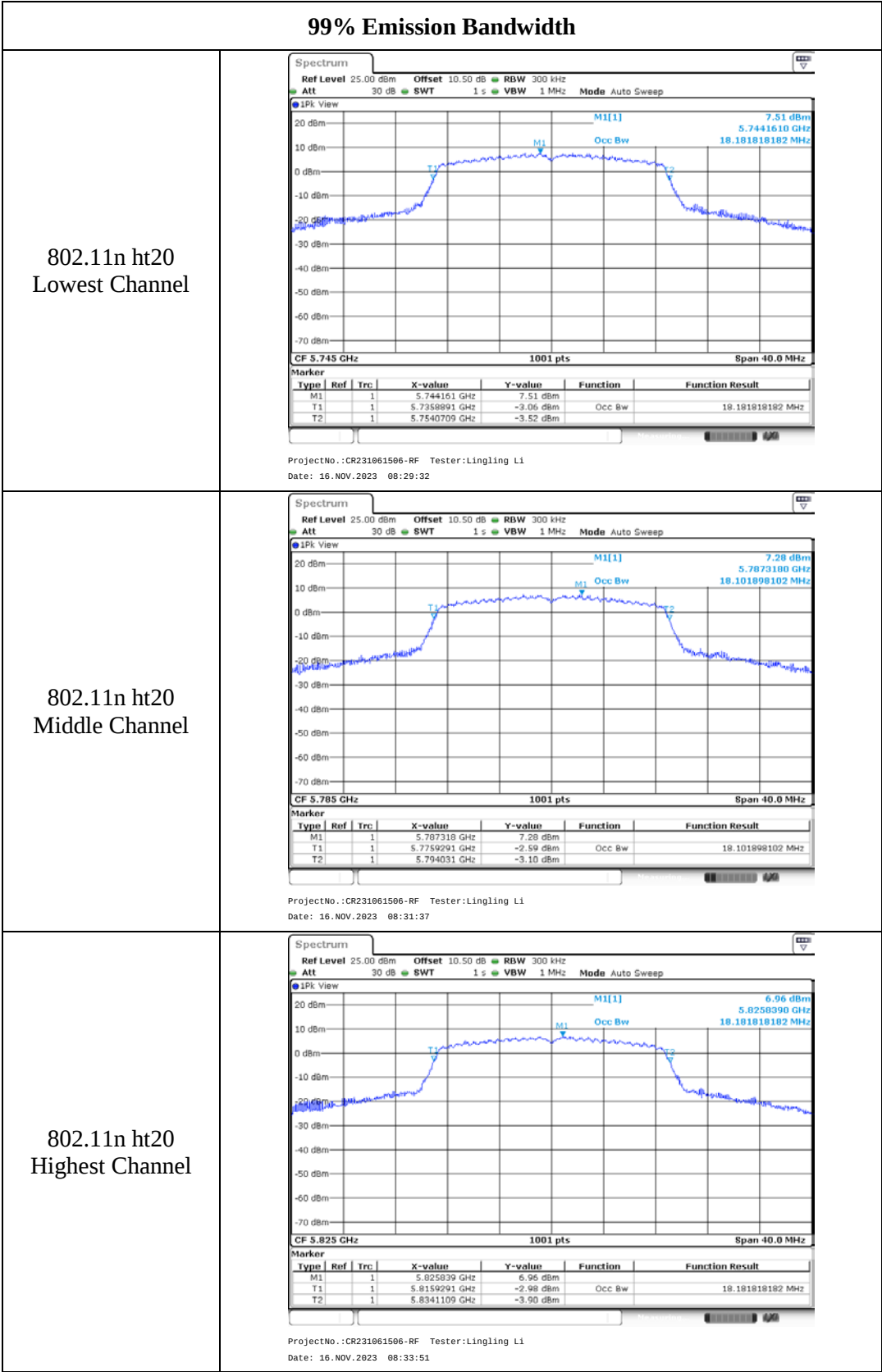


ProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 16.NOV.2023 08:34:23

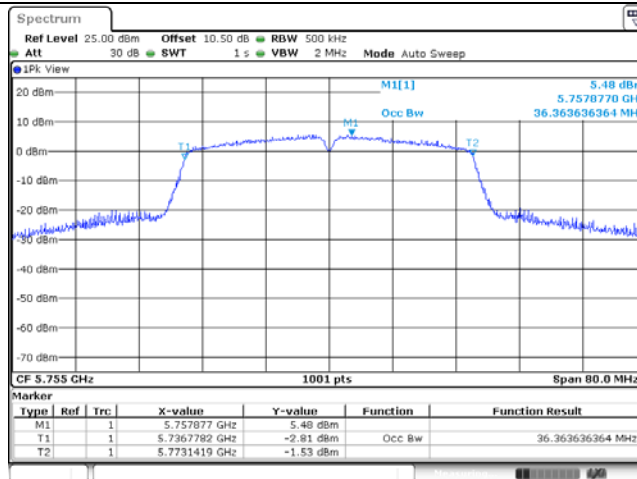
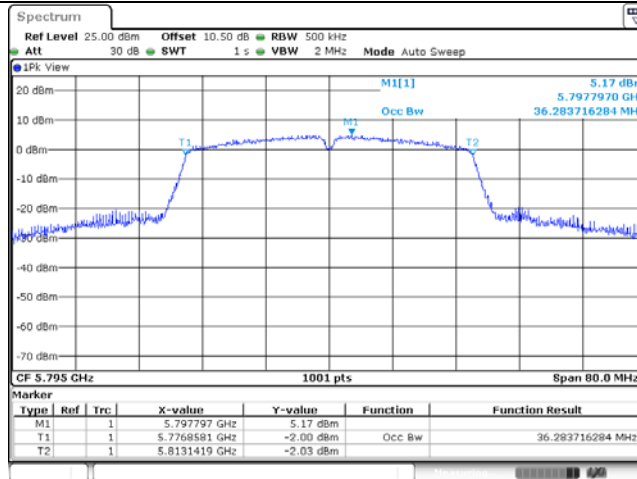
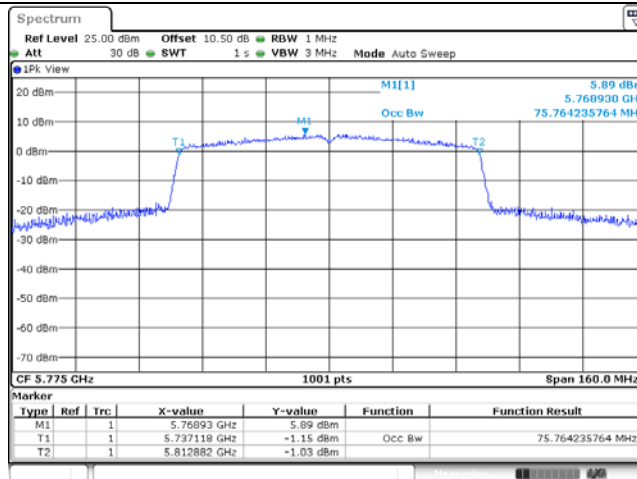
6dB Emission Bandwidth

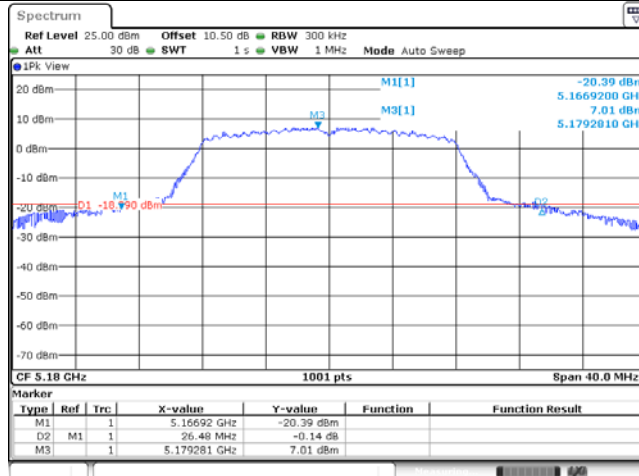
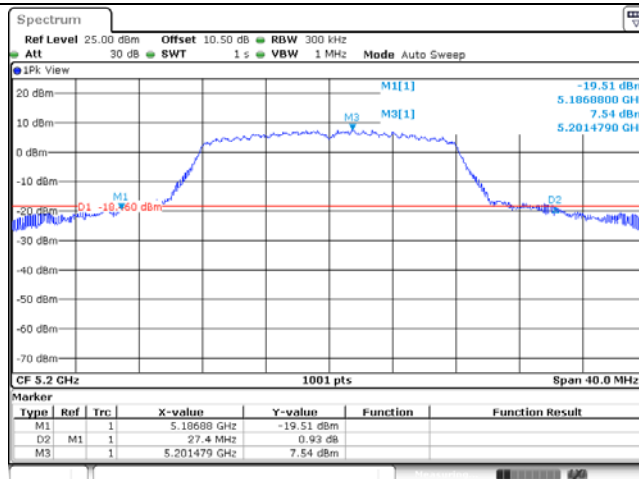
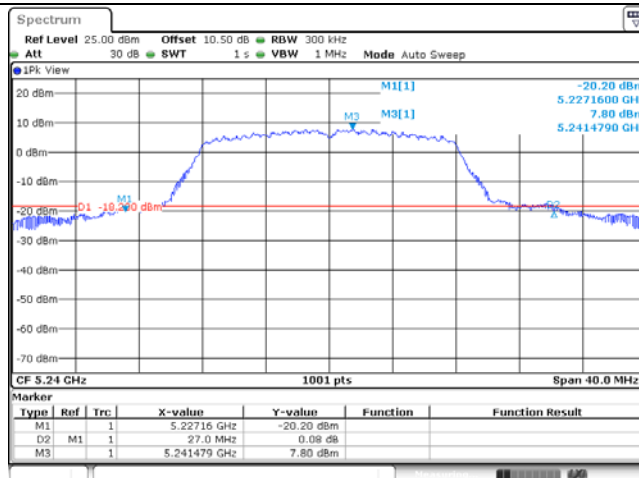
802.11n ht40
Lowest ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 16.NOV.2023 08:50:21802.11n ht40
Highest ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 16.NOV.2023 08:54:17802.11ac vht80
Middle ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 16.NOV.2023 09:52:55

99% Emission Bandwidth	
802.11a Lowest Channel	 ProjectNo.:CR231061506-RF Tester:Lingling Li Date: 16.NOV.2023 08:14:49
802.11a Middle Channel	 ProjectNo.:CR231061506-RF Tester:Lingling Li Date: 16.NOV.2023 08:23:27
802.11a Highest Channel	 ProjectNo.:CR231061506-RF Tester:Lingling Li Date: 16.NOV.2023 08:26:08

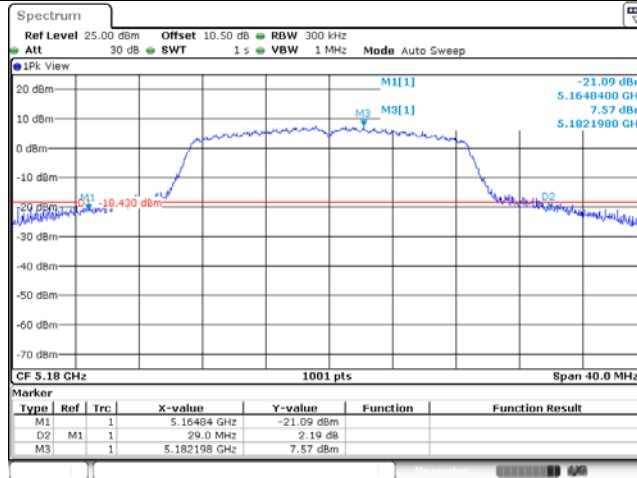
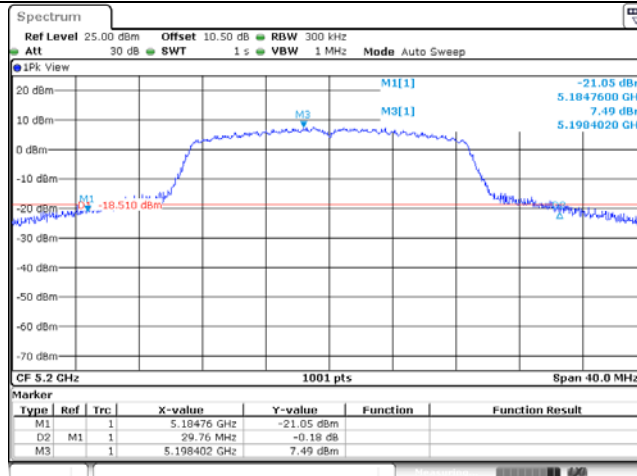
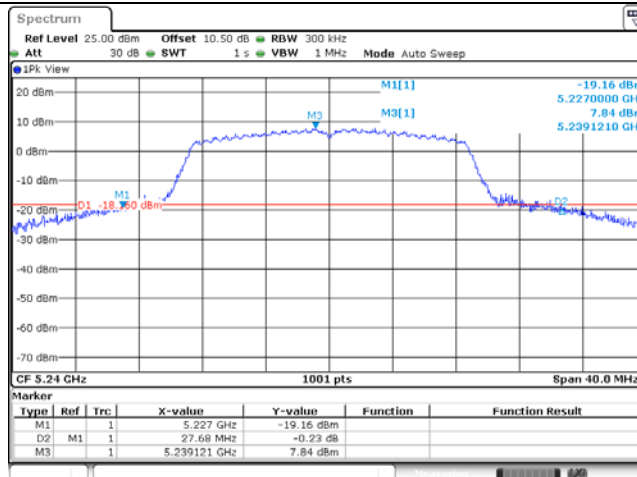


99% Emission Bandwidth

802.11n ht40
Lowest Channel802.11n ht40
Highest Channel802.11ac vht80
Middle Channel

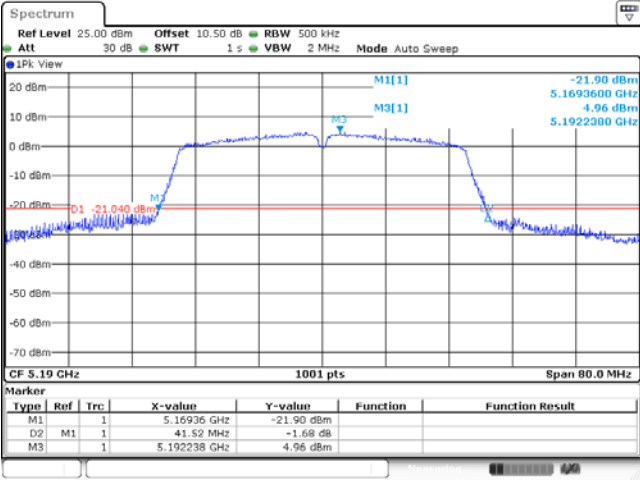
Antenna 1:
5150-5250MHz:**26dB Emission Bandwidth**802.11a
Lowest ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 11.NOV.2023 15:43:45802.11a
Middle ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 11.NOV.2023 15:48:21802.11a
Highest ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 11.NOV.2023 15:51:57

26dB Emission Bandwidth

802.11n ht20
Lowest ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 11.NOV.2023 15:56:38802.11n ht20
Middle ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 11.NOV.2023 15:59:40802.11n ht20
Highest ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 11.NOV.2023 16:02:22

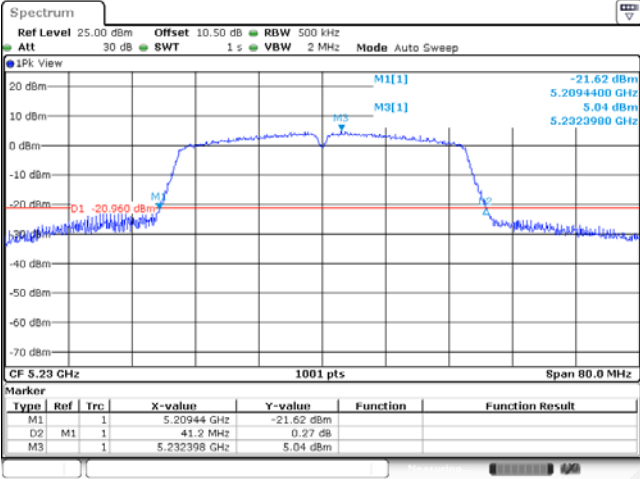
26dB Emission Bandwidth

802.11n ht40
Lowest Channel



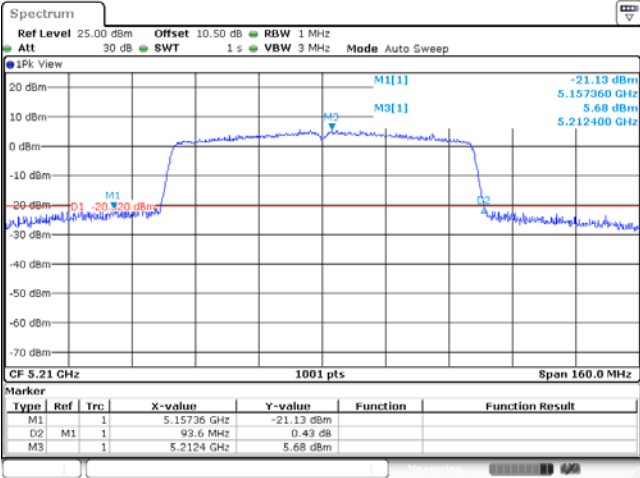
ProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 11.NOV.2023 16:09:08

802.11n ht40
Highest Channel



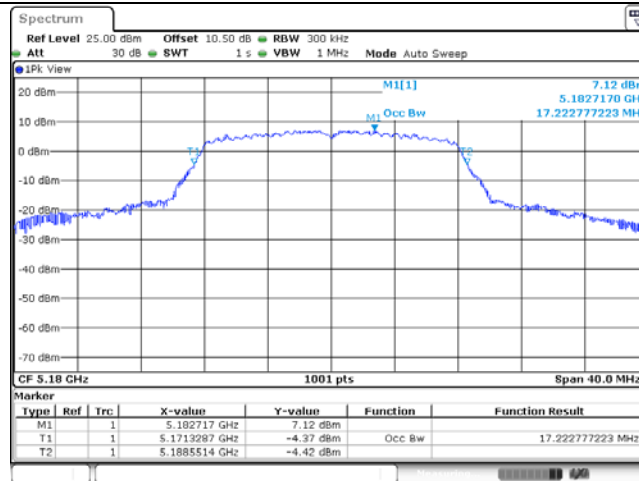
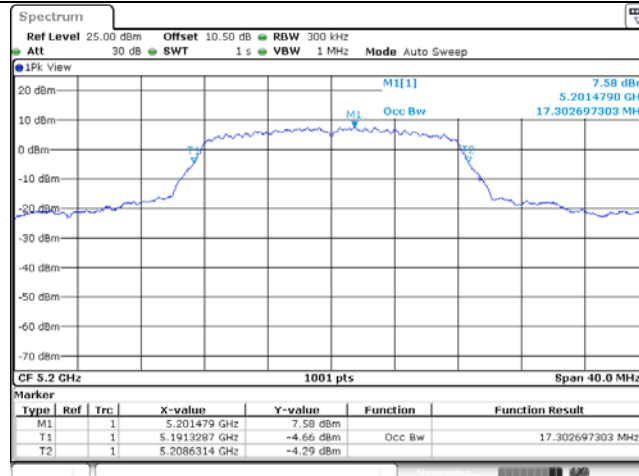
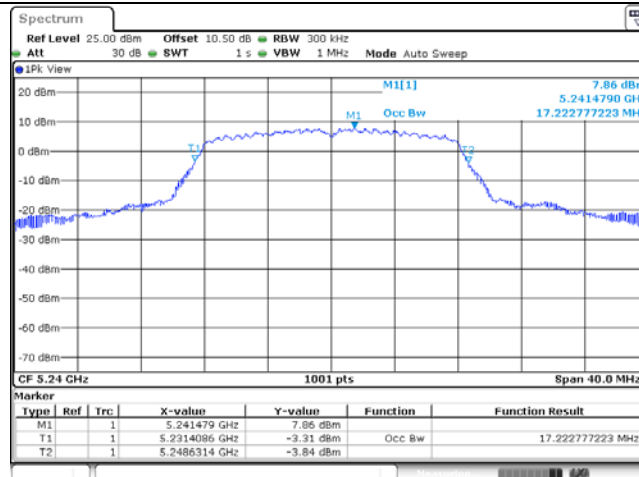
ProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 11.NOV.2023 16:17:36

802.11ac vht80
Middle Channel

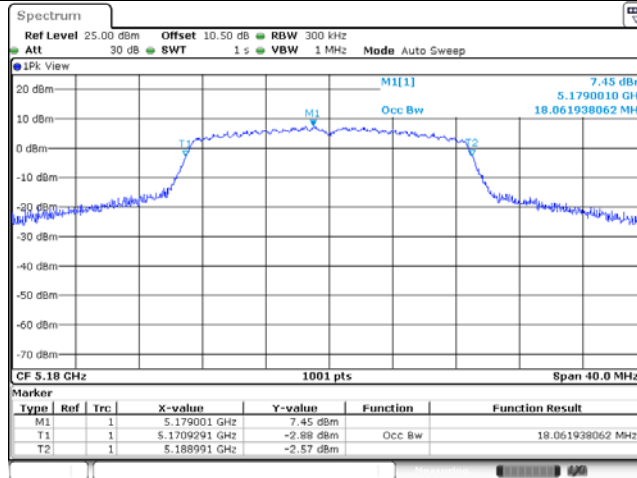
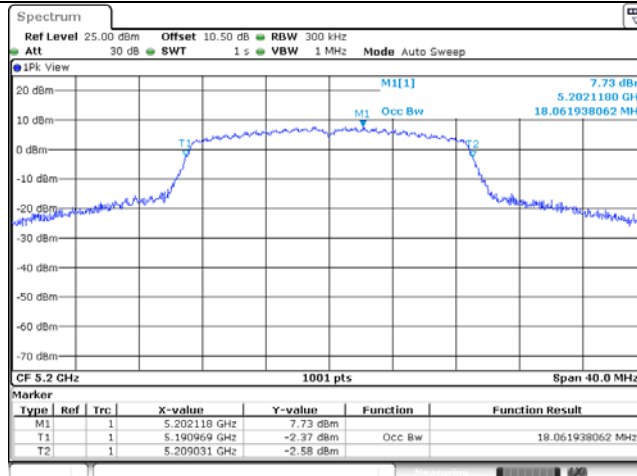
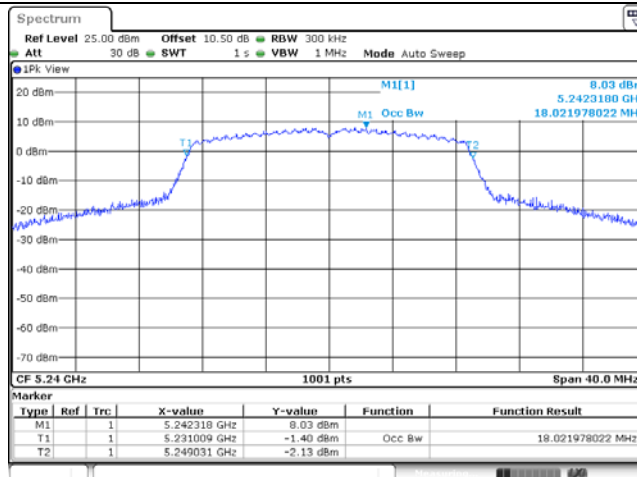


ProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 11.NOV.2023 16:46:15

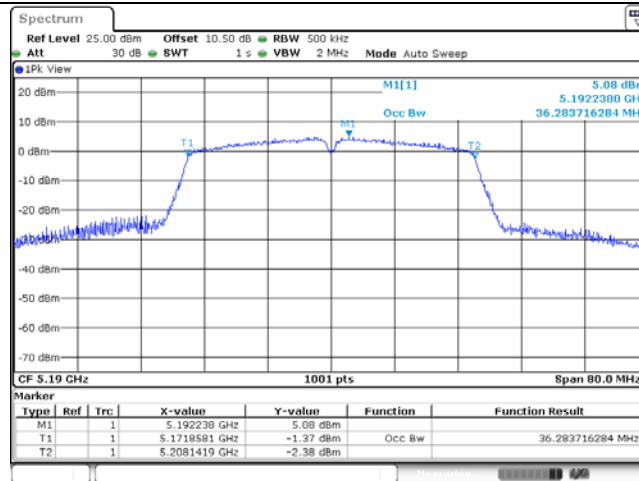
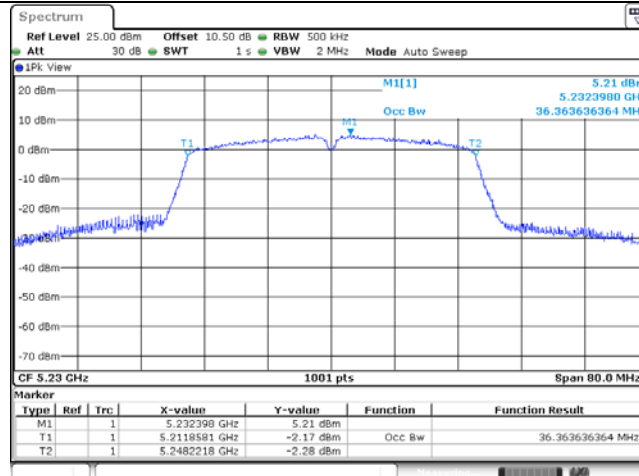
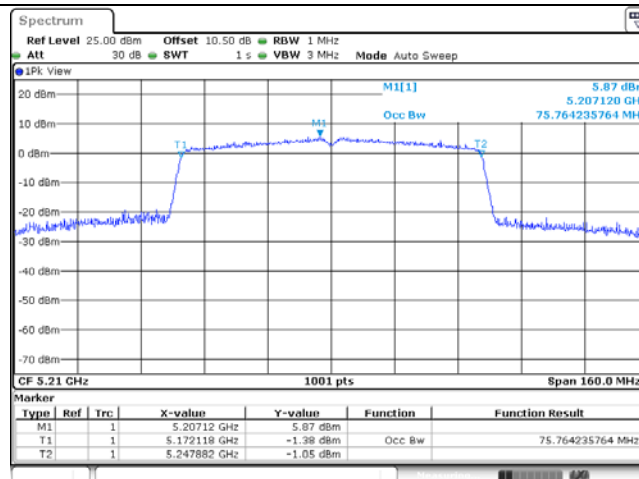
99% Emission Bandwidth

802.11a
Lowest ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 11.NOV.2023 15:43:12802.11a
Middle ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 11.NOV.2023 15:47:36802.11a
Highest ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 11.NOV.2023 15:51:13

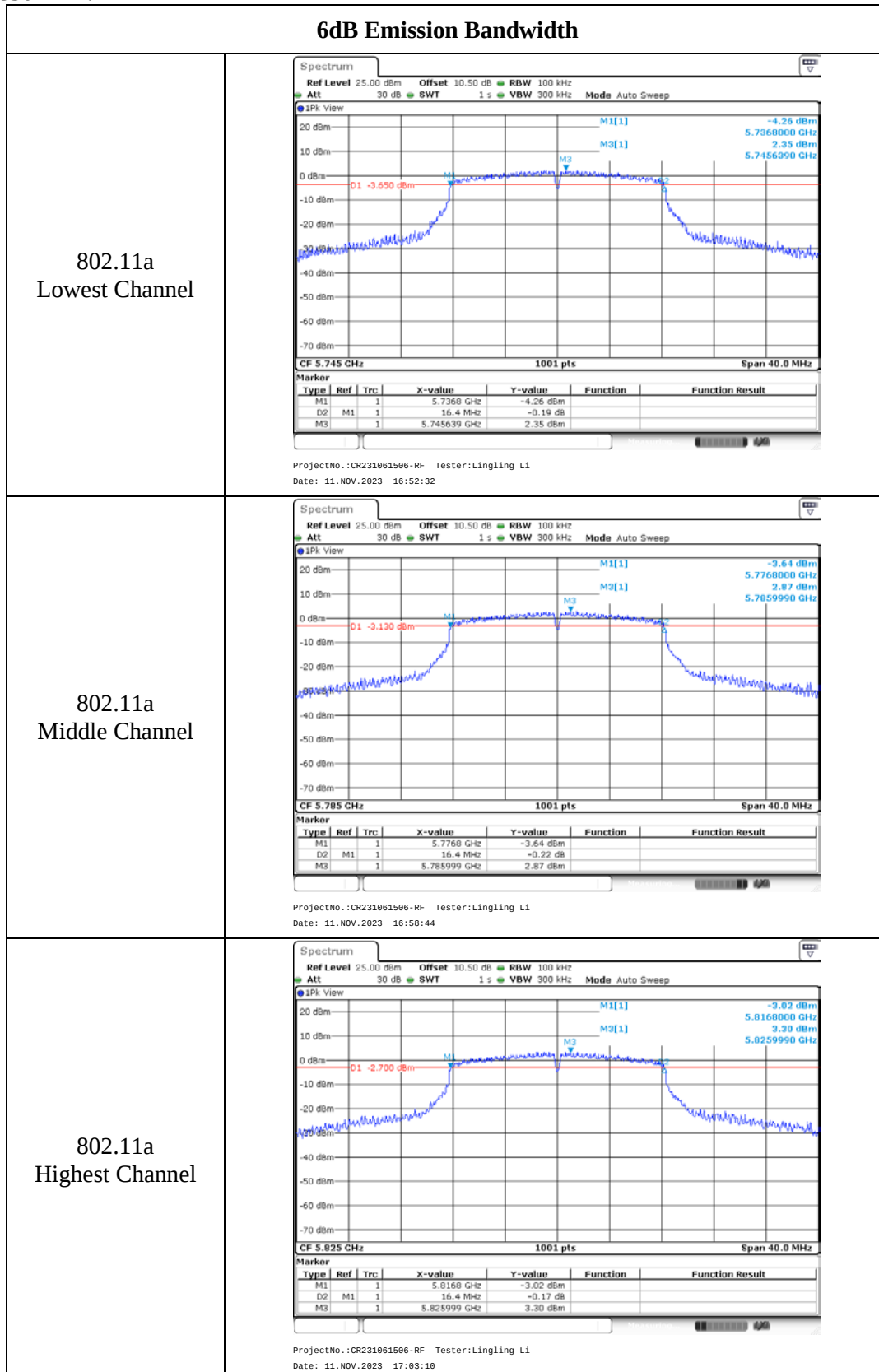
99% Emission Bandwidth

802.11n ht20
Lowest ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 11.NOV.2023 15:56:06802.11n ht20
Middle ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 11.NOV.2023 15:59:07802.11n ht20
Highest ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 11.NOV.2023 16:01:49

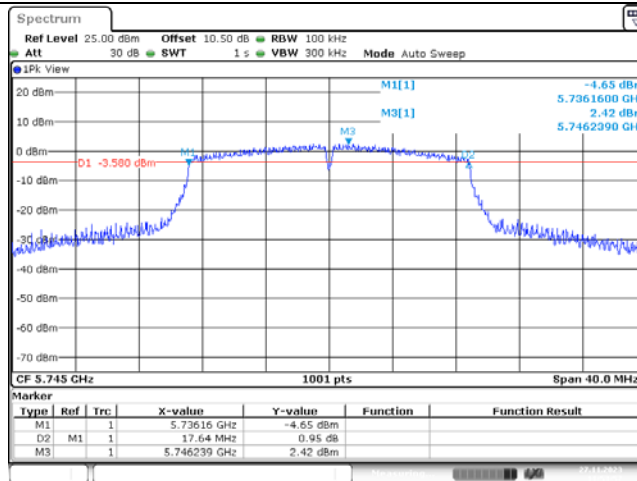
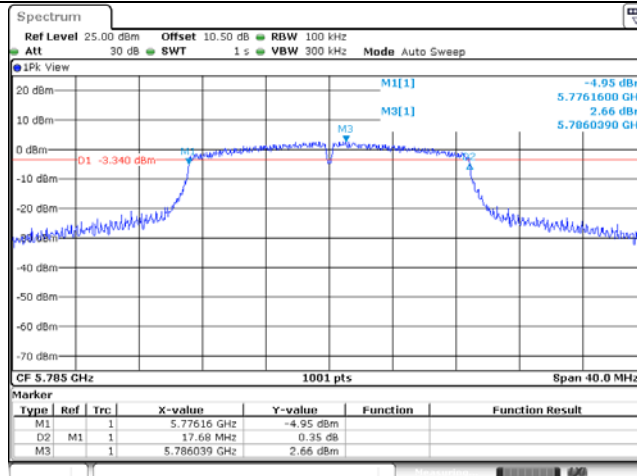
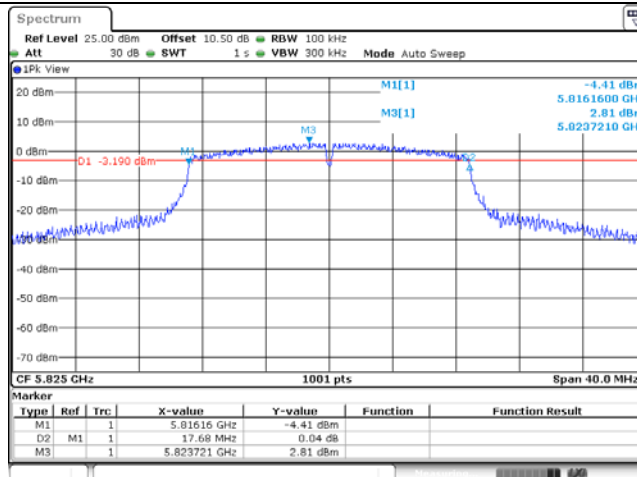
99% Emission Bandwidth

802.11n ht40
Lowest ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 11.NOV.2023 16:08:23802.11n ht40
Highest ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 11.NOV.2023 16:16:51802.11ac vht80
Middle ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 11.NOV.2023 16:45:30

5725-5850MHz:

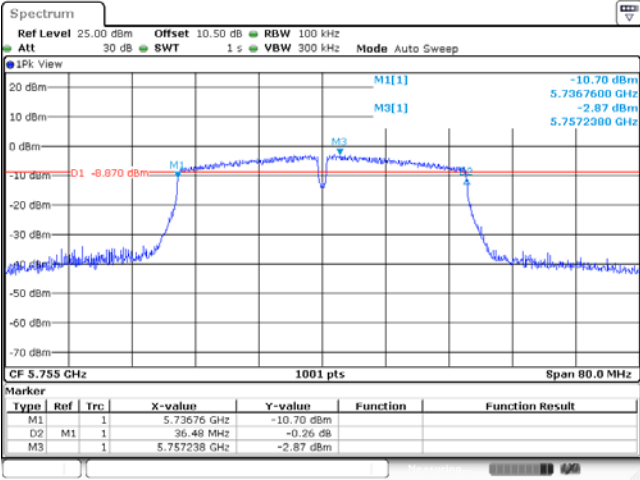


6dB Emission Bandwidth

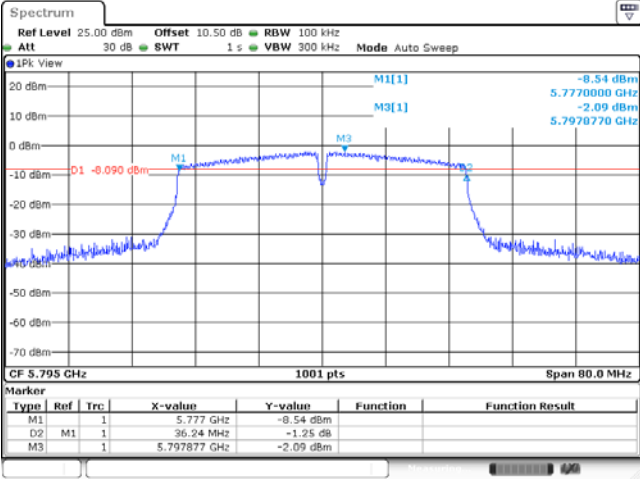
802.11n ht20
Lowest ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 27.NOV.2023 11:53:57802.11n ht20
Middle ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 11.NOV.2023 17:14:54802.11n ht20
Highest ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 11.NOV.2023 17:19:40

6dB Emission Bandwidth

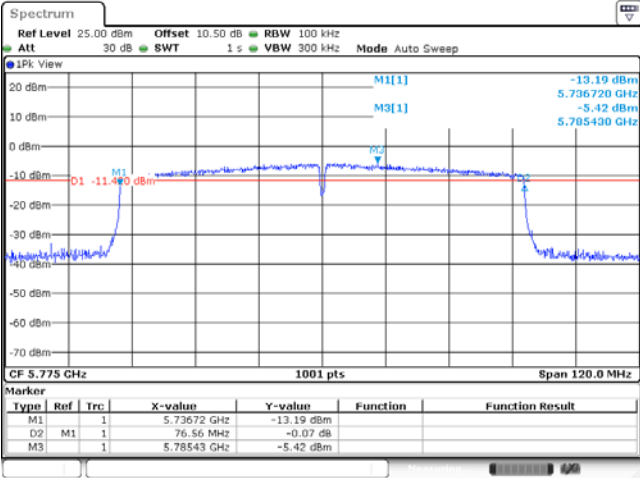
802.11n ht40
Lowest Channel

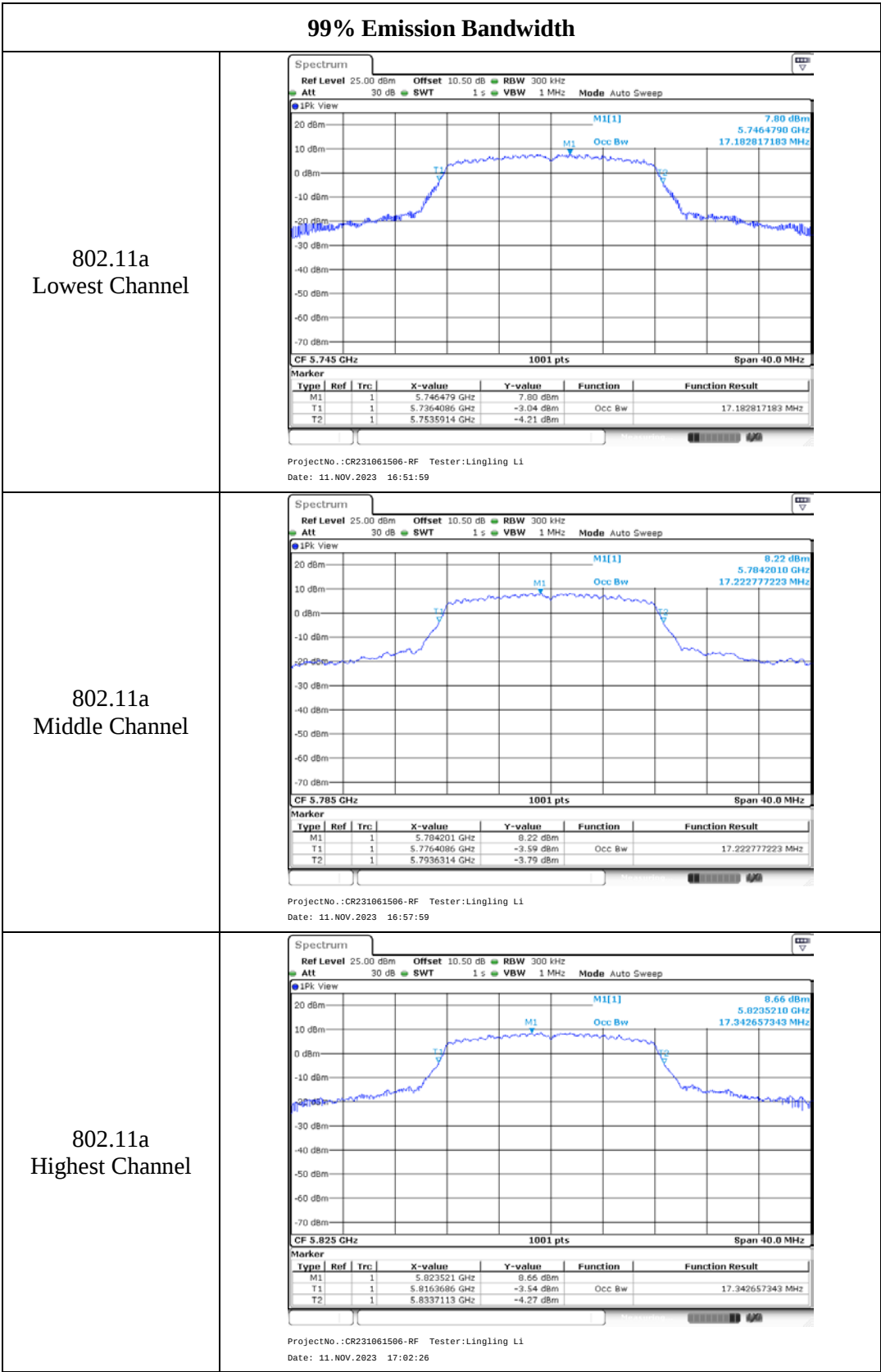


802.11n ht40
Highest Channel

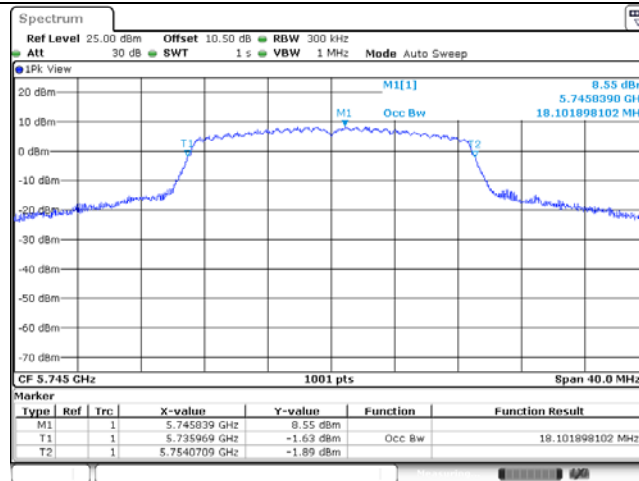
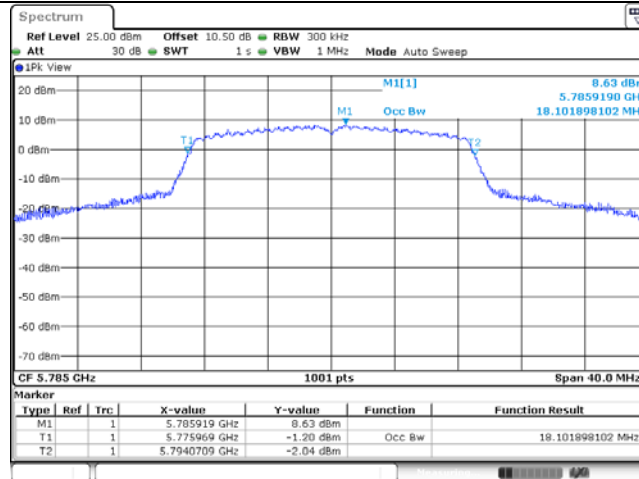
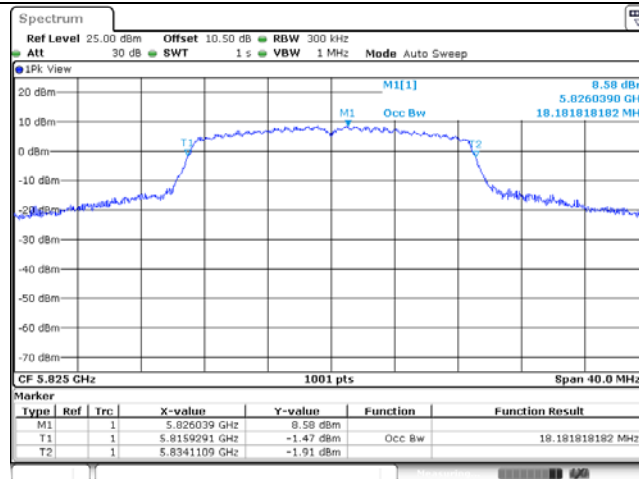


802.11ac vht80
Middle Channel

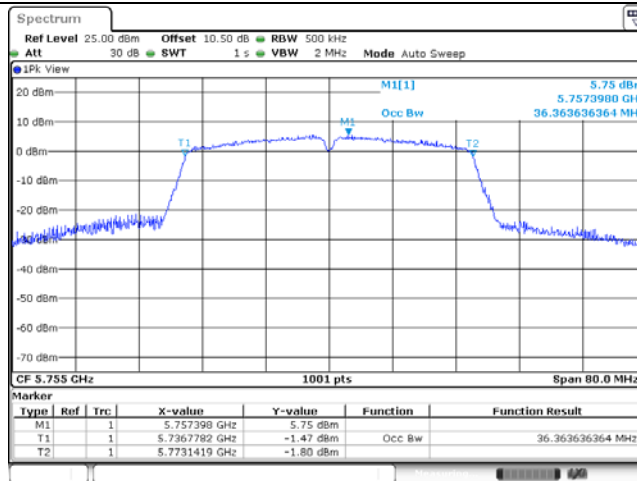
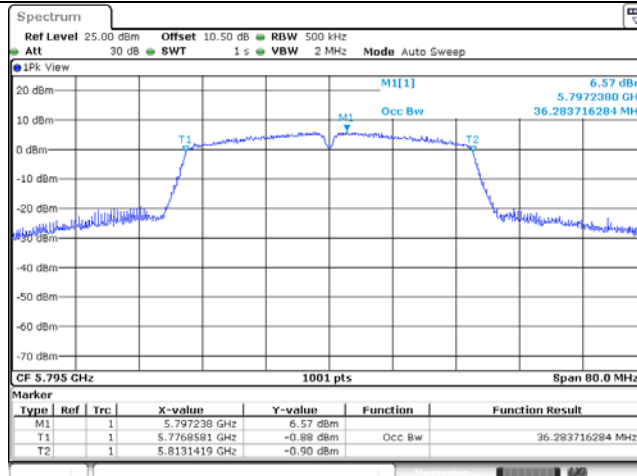
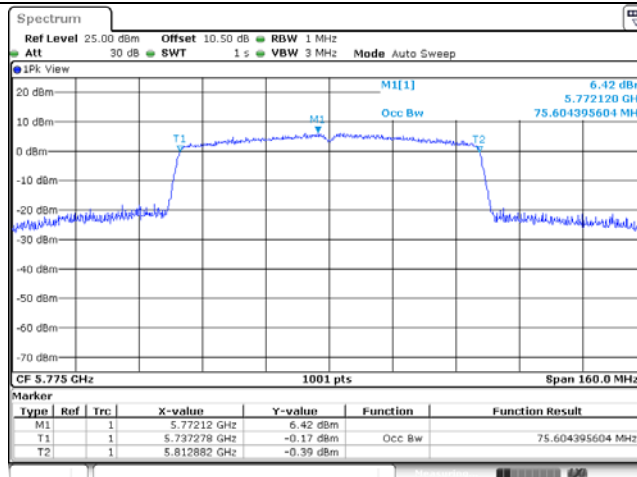




99% Emission Bandwidth

802.11n ht20
Lowest ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 11.NOV.2023 17:07:46802.11n ht20
Middle ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 11.NOV.2023 17:14:22802.11n ht20
Highest ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 11.NOV.2023 17:19:19

99% Emission Bandwidth

802.11n ht40
Lowest ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 11.NOV.2023 17:24:19802.11n ht40
Highest ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 11.NOV.2023 17:28:36802.11ac vht80
Middle ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 11.NOV.2023 17:50:30

4.4 Maximum Conducted Output Power:

Serial Number:	2CII-1	Test Date:	2023/11/16
Test Site:	RF	Test Mode:	Transmitting
Tester:	Lingling Li	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	24.3	Relative Humidity: (%)	52	ATM Pressure: (kPa)	100.4
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Anritsu	Power Meter	ML2495A	1106009	2023/8/4	2024/8/3
Anritsu	Pulse Power Sensor	MA2411A	10780	2023/8/4	2024/8/3
zhuoxiang	Coaxial Cable	SMA-178	211003	Each time	N/A
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060302	Each time	N/A

* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data:**Antenna 0****5150-5250MHz**

Test Modes	Test Frequency (MHz)	Max. Conducted Average Output Power(dBm)	
		Result	Limit
802.11a	5180	13.26	24
	5200	13.55	24
	5240	13.71	24
802.11n ht20	5180	13.54	24
	5200	13.74	24
	5240	13.51	24
802.11n ht40	5190	11.71	24
	5230	11.85	24
802.11ac vht80	5210	11.68	24
Note: The device is a client device.			

5725-5850MHz

Test Modes	Test Frequency (MHz)	Max. Conducted Average Output Power(dBm)	
		Result	Limit
802.11a	5745	15.13	30
	5785	14.8	30
	5825	14.71	30
802.11n ht20	5745	15.05	30
	5785	14.63	30
	5825	14.57	30
802.11n ht40	5755	13.34	30
	5795	12.9	30
802.11ac vht80	5775	13.25	30

Antenna 1:**5150-5250MHz**

Test Modes	Test Frequency (MHz)	Max. Conducted Average Output Power(dBm)	
		Result	Limit
802.11a	5180	14.85	24
	5200	14.99	24
	5240	15.32	24
802.11n ht20	5180	14.82	24
	5200	15.17	24
	5240	15.36	24
802.11n ht40	5190	12.84	24
	5230	12.70	24
802.11ac vht80	5210	12.87	24
Note: The device is a client device.			

5725-5850MHz

Test Modes	Test Frequency (MHz)	Max. Conducted Average Output Power(dBm)	
		Result	Limit
802.11a	5745	15.44	30
	5785	15.86	30
	5825	16.19	30
802.11n ht20	5745	15.84	30
	5785	15.85	30
	5825	16.20	30
802.11n ht40	5755	13.30	30
	5795	13.98	30
802.11ac vht80	5775	13.64	30

4.5 Maximum power spectral density:

Serial Number:	2CII-1	Test Date:	2023/11/16
Test Site:	RF	Test Mode:	Transmitting
Tester:	Lingling Li	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	24.3	Relative Humidity: (%)	52	ATM Pressure: (kPa)	100.4
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101590	2022/11/25	2023/11/24
zhuoxiang	Coaxial Cable	SMA-178	211003	Each time	N/A
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060302	Each time	N/A

* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data:**Antenna 0:****5150-5250MHz**

Test Modes	Test Frequency (MHz)	Reading (dBm/MHz)	Duty Cycle Factor (dB)	Maximum Power Spectral Density (dBm/MHz)	
				Result	Limit
802.11a	5180	2.65	/	2.65	11
	5200	3.32	/	3.32	11
	5240	3.32	/	3.32	11
802.11n ht20	5180	3.25	/	3.25	11
	5200	3.06	/	3.06	11
	5240	3.17	/	3.17	11
802.11n ht40	5190	-1.80	/	-1.80	11
	5230	-1.93	/	-1.93	11
802.11ac vht80	5210	-5.14	/	-5.14	11
Note: The device is a client device. Duty cycle $\geq 98\%$, method ANSI C63.10-2013 Section 12.3.2.2 was used.					

5725-5850MHz

Test Modes	Test Frequency (MHz)	Reading (dBm/500kHz)	Duty Cycle Factor (dB)	Maximum Power Spectral Density (dBm/500kHz)	
				Result	Limit
802.11a	5745	1.92	/	1.92	30
	5785	1.72	/	1.72	30
	5825	1.61	/	1.61	30
802.11n ht20	5745	1.62	/	1.62	30
	5785	1.27	/	1.27	30
	5825	1.23	/	1.23	30
802.11n ht40	5755	-3.00	/	-3.00	30
	5795	-3.33	/	-3.33	30
802.11ac vht80	5775	-6.14	/	-6.14	30
Note: Duty cycle $\geq 98\%$, method ANSI C63.10-2013 Section 12.3.2.2 was used.					

Antenna 1:**5150-5250MHz**

Test Modes	Test Frequency (MHz)	Reading (dBm/MHz)	Duty Cycle Factor (dB)	Maximum Power Spectral Density (dBm/MHz)	
				Result	Limit
802.11a	5180	4.44	/	4.44	11
	5200	4.67	/	4.67	11
	5240	4.88	/	4.88	11
802.11n ht20	5180	4.34	/	4.34	11
	5200	4.52	/	4.52	11
	5240	4.74	/	4.74	11
802.11n ht40	5190	-0.88	/	-0.88	11
	5230	-0.68	/	-0.68	11
802.11ac vht80	5210	-3.90	/	-3.90	11
Note: The device is a client device. Duty cycle $\geq 98\%$, method ANSI C63.10-2013 Section 12.3.2.2 was used.					

5725-5850MHz

Test Modes	Test Frequency(MHz)	Reading (dBm/500kHz)	Duty Cycle Factor (dB)	Maximum Power Spectral Density (dBm/500kHz)	
				Result	Limit
802.11a	5745	2.46	/	2.46	30
	5785	2.65	/	2.65	30
	5825	3.13	/	3.13	30
802.11n ht20	5745	1.97	/	1.97	30
	5785	2.66	/	2.66	30
	5825	2.76	/	2.76	30
802.11n ht40	5755	-3.06	/	-3.06	30
	5795	-2.12	/	-2.12	30
802.11ac vht80	5775	-6.08	/	-6.08	30

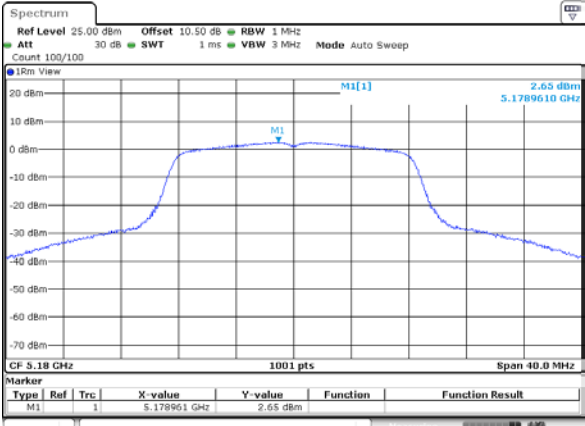
Note:

Duty cycle $\geq 98\%$, method ANSI C63.10-2013 Section 12.3.2.2 was used.

Antenna 0:
5150-5250MHz

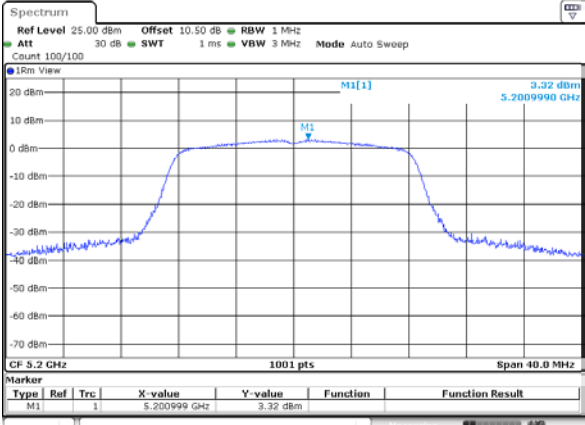
Maximum power spectral density

802.11a
Lowest Channel



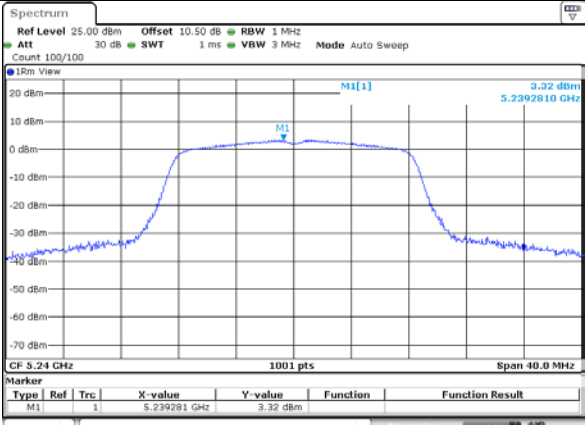
ProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 16.NOV.2023 07:56:23

802.11a
Middle Channel



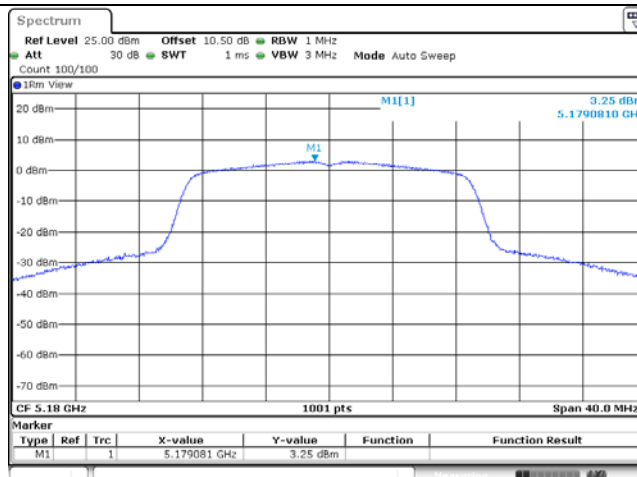
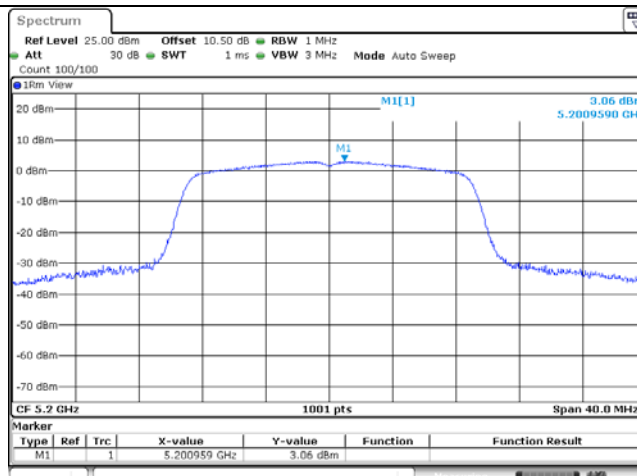
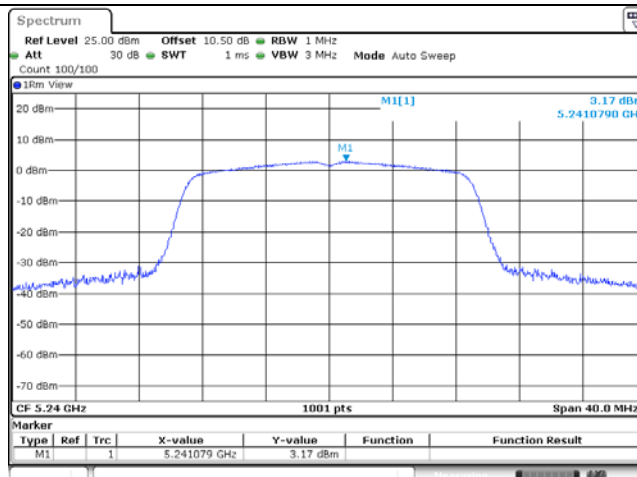
ProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 16.NOV.2023 07:59:31

802.11a
Highest Channel



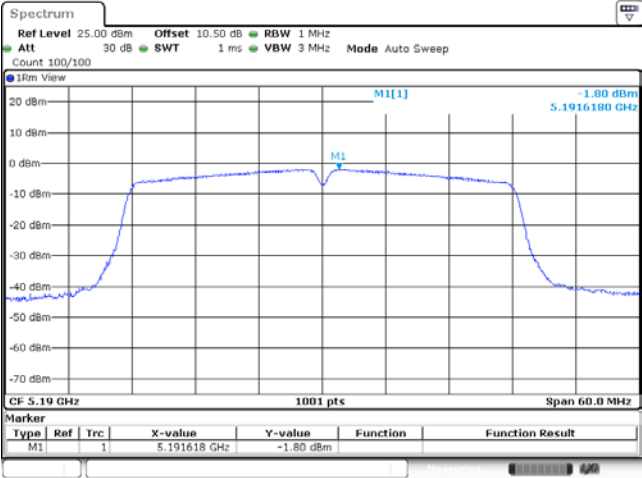
ProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 16.NOV.2023 08:03:03

Maximum power spectral density

802.11n ht20
Lowest ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 16.NOV.2023 08:07:19802.11n ht20
Middle ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 16.NOV.2023 08:10:12802.11n ht20
Highest ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 16.NOV.2023 08:12:47

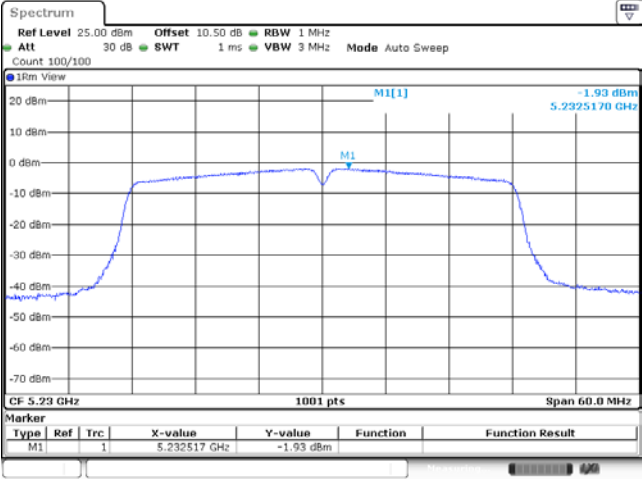
Maximum power spectral density

802.11n ht40
Lowest Channel



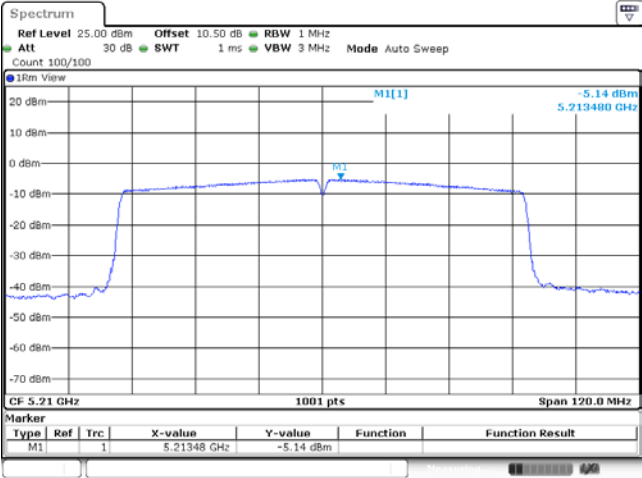
ProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 16.NOV.2023 08:39:07

802.11n ht40
Highest Channel

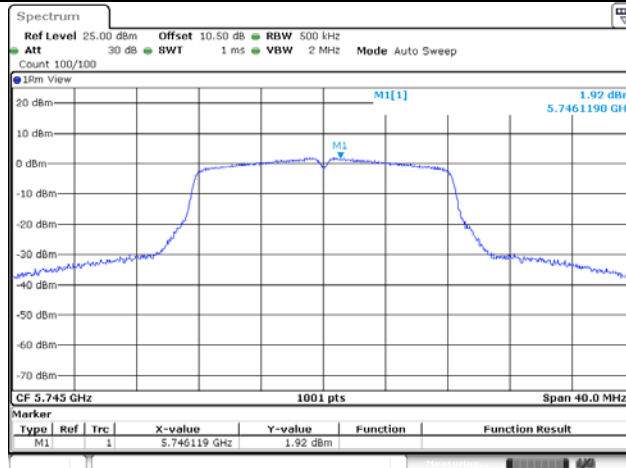
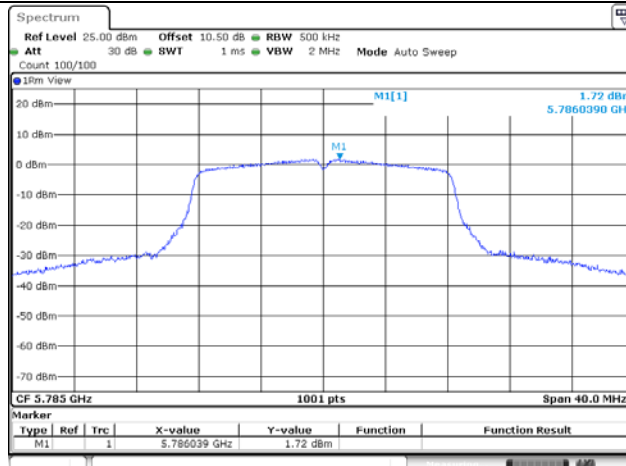
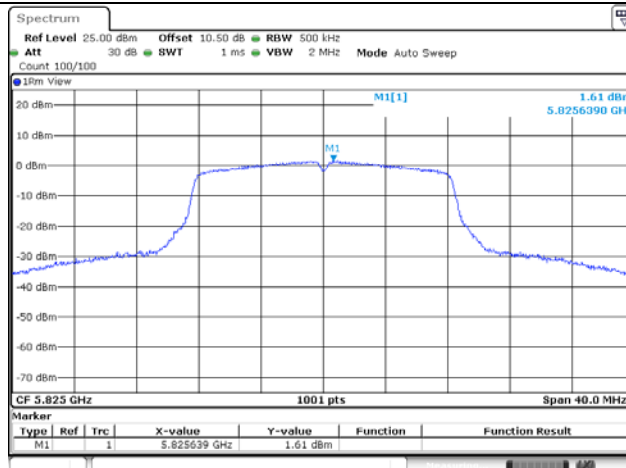


ProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 16.NOV.2023 08:42:36

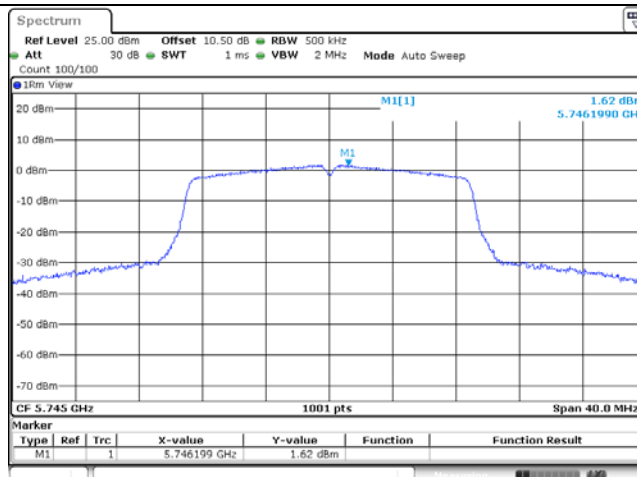
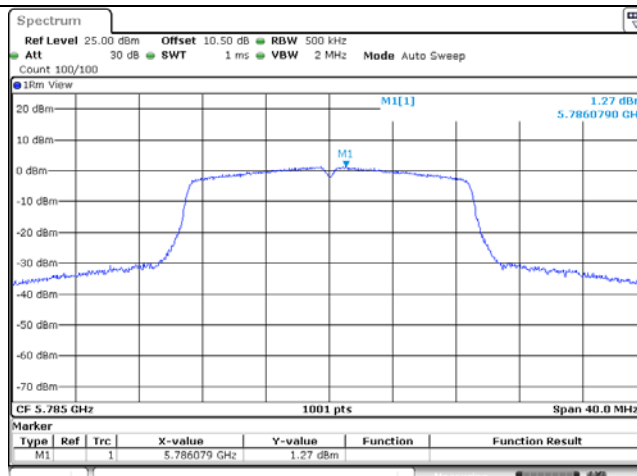
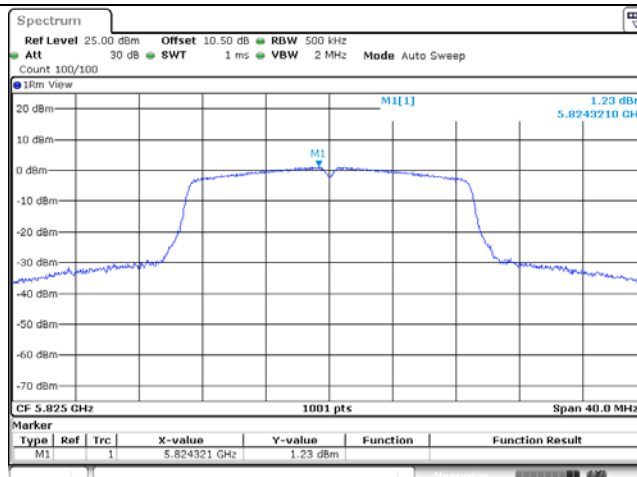
802.11ac vht80
Middle Channel



ProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 16.NOV.2023 09:50:45

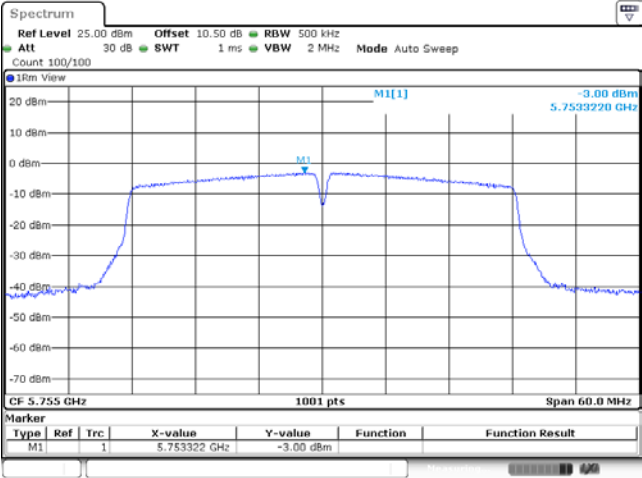
Antenna 0:
5725-5850MHz**Maximum power spectral density**802.11a
Lowest ChannelProjectNo.: CR231061506-RF Tester: Lingling Li
Date: 16.NOV.2023 08:15:53802.11a
Middle ChannelProjectNo.: CR231061506-RF Tester: Lingling Li
Date: 16.NOV.2023 08:24:18802.11a
Highest ChannelProjectNo.: CR231061506-RF Tester: Lingling Li
Date: 16.NOV.2023 08:26:47

Maximum power spectral density

802.11n ht20
Lowest ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 16.NOV.2023 08:30:11802.11n ht20
Middle ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 16.NOV.2023 08:32:28802.11n ht20
Highest ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 16.NOV.2023 08:34:42

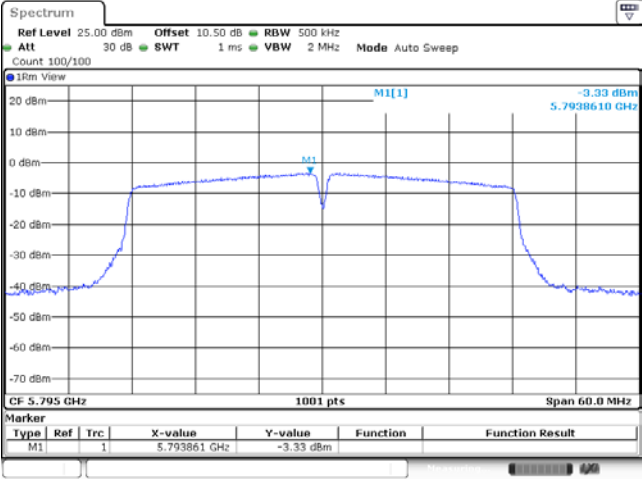
Maximum power spectral density

802.11n ht40
Lowest Channel



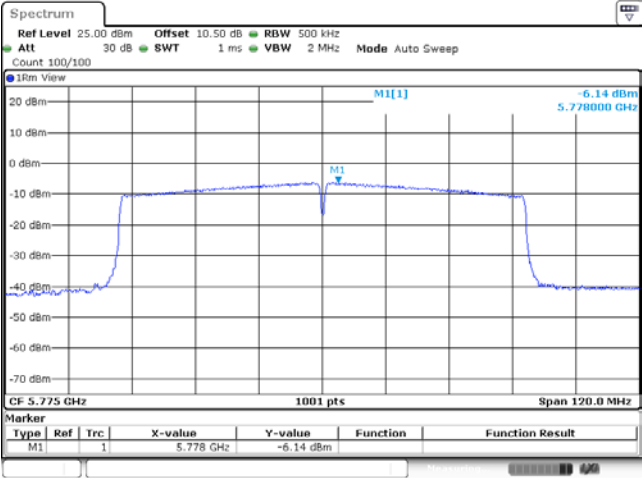
ProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 16.NOV.2023 08:50:39

802.11n ht40
Highest Channel



ProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 16.NOV.2023 08:54:36

802.11ac vht80
Middle Channel

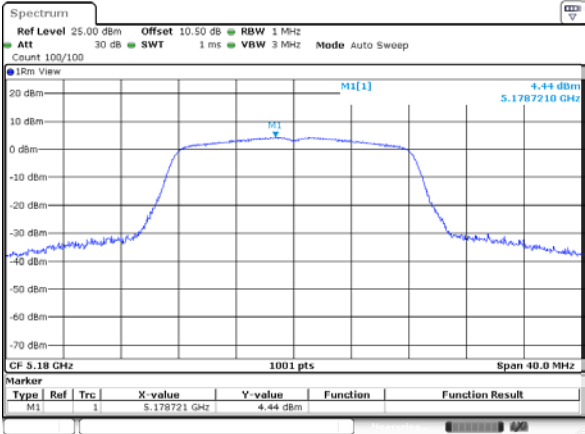


ProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 16.NOV.2023 09:53:13

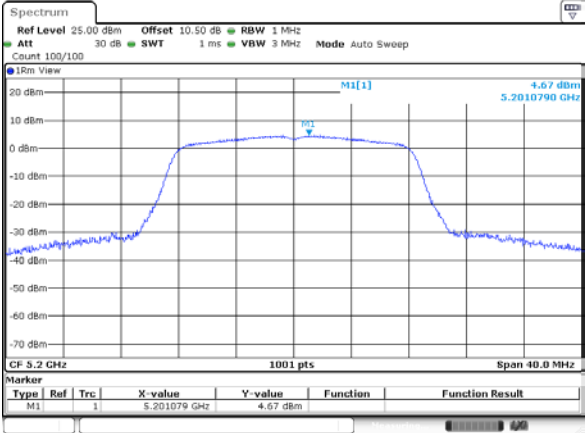
Antenna 1:
5150-5250MHz

Maximum power spectral density

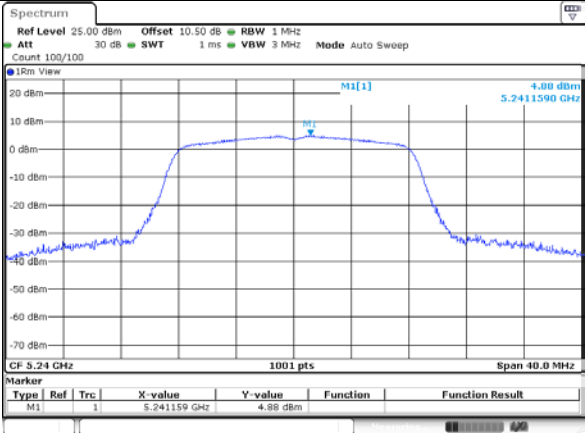
802.11a
Lowest Channel



802.11a
Middle Channel

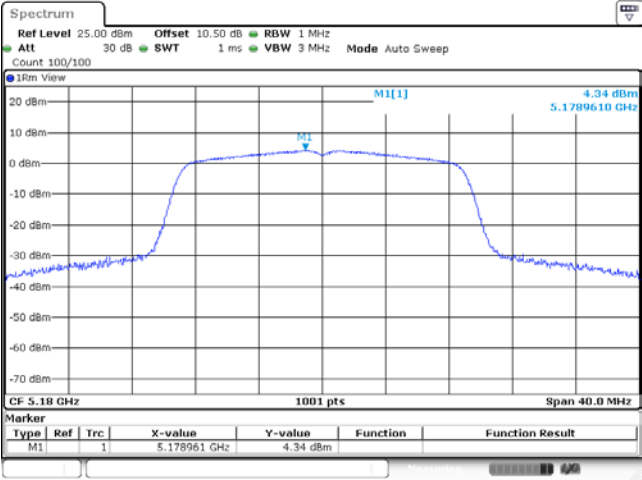


802.11a
Highest Channel



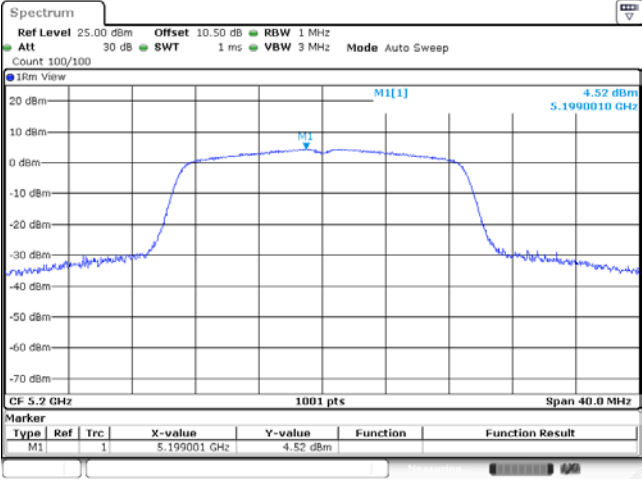
Maximum power spectral density

802.11n ht20
Lowest Channel



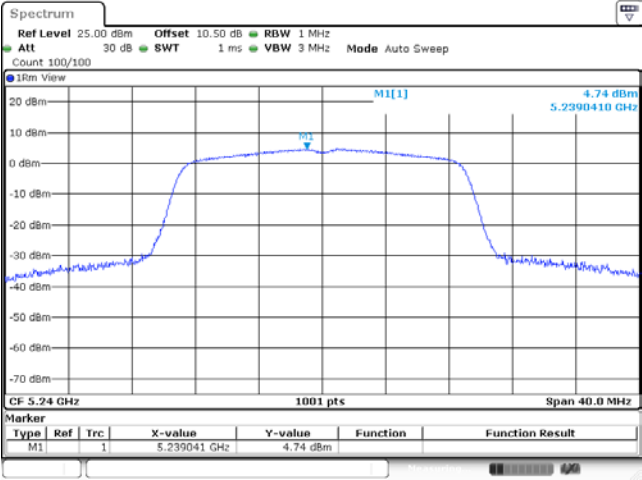
ProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 11.NOV.2023 15:56:57

802.11n ht20
Middle Channel



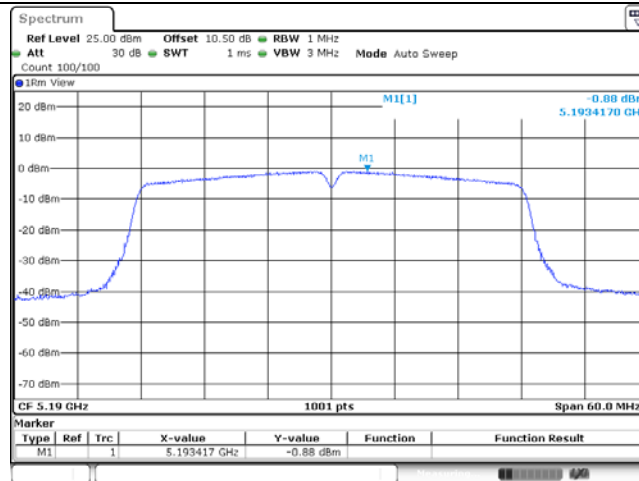
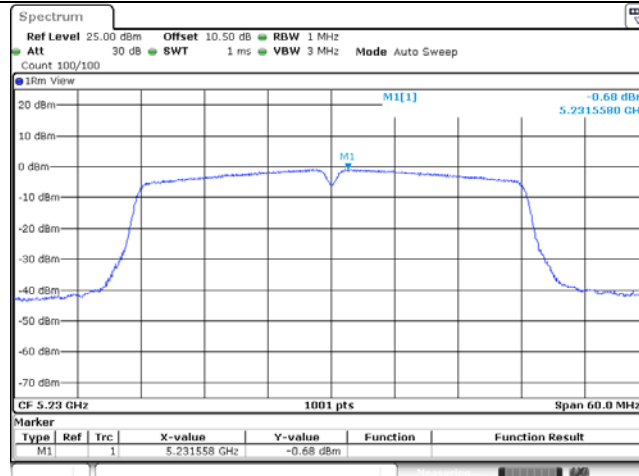
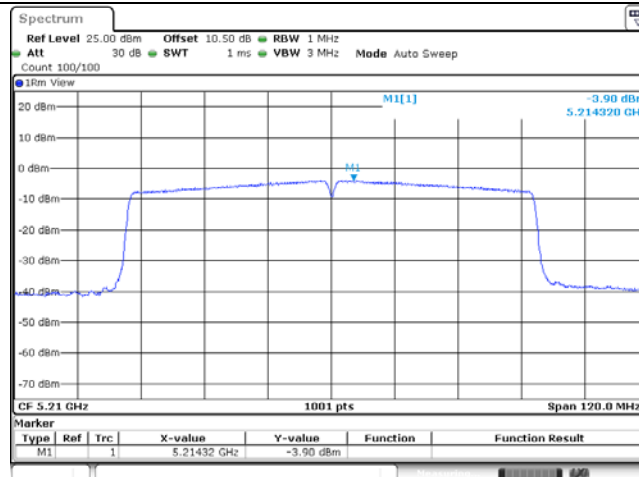
ProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 11.NOV.2023 15:59:58

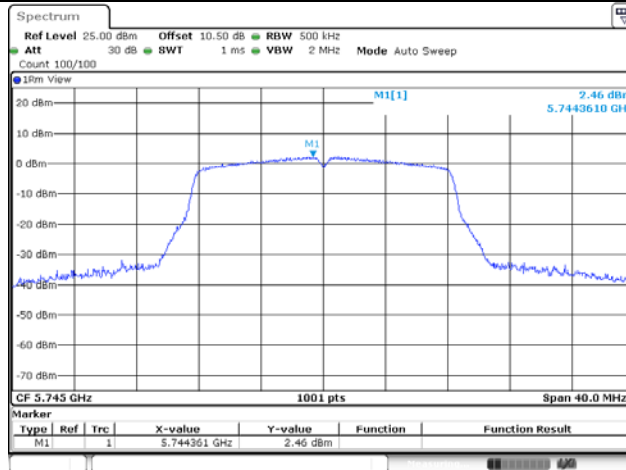
802.11n ht20
Highest Channel



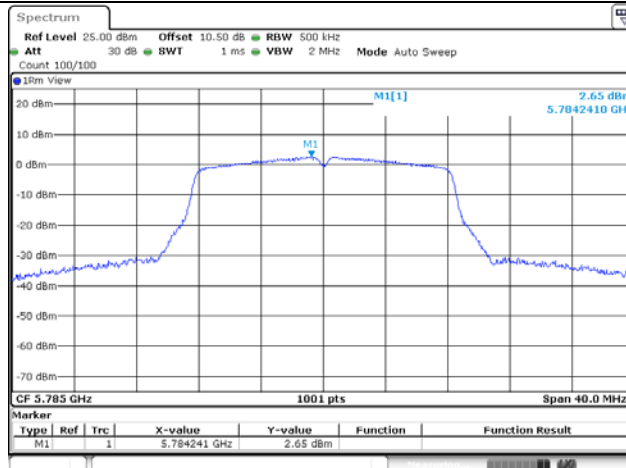
ProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 11.NOV.2023 16:02:40

Maximum power spectral density

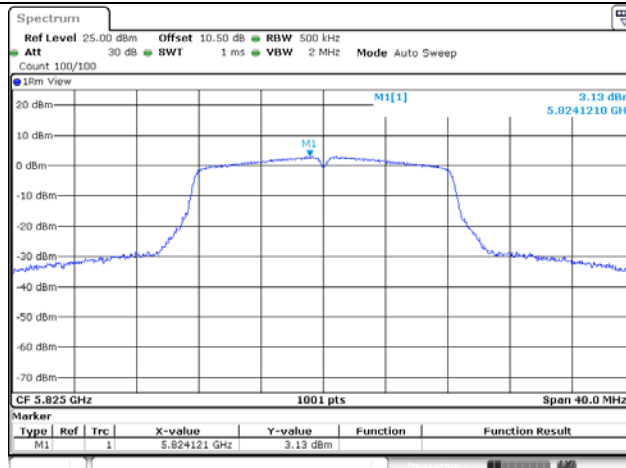
802.11n ht40
Lowest ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 11.NOV.2023 16:09:27802.11n ht40
Highest ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 11.NOV.2023 16:17:54802.11ac vht80
Middle ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 11.NOV.2023 16:46:33

**Antenna 1:
5725-5850MHz****Maximum power spectral density****802.11a
Lowest Channel**

ProjectNo.: CR231061506-RF Tester: Lingling Li
Date: 11.NOV.2023 16:52:50

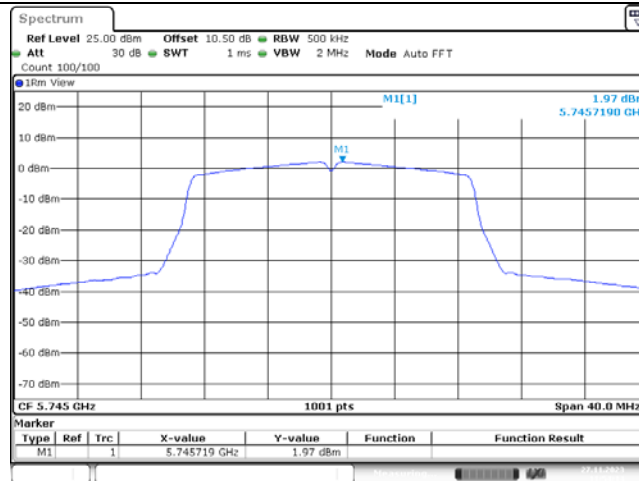
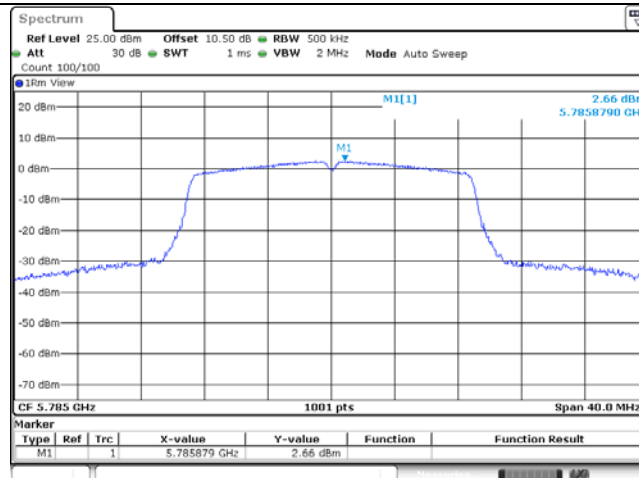
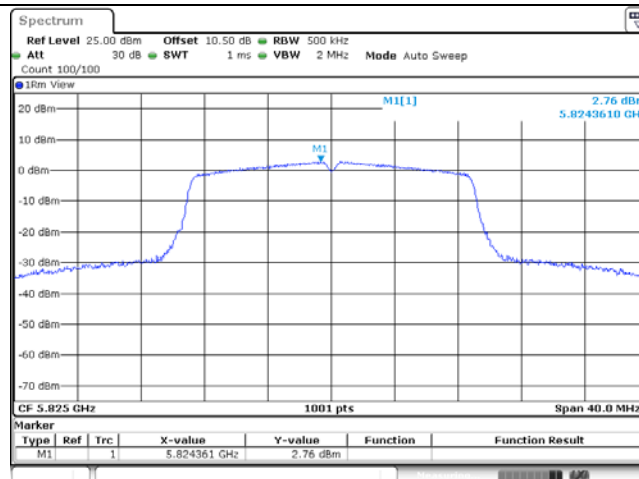
**802.11a
Middle Channel**

ProjectNo.: CR231061506-RF Tester: Lingling Li
Date: 11.NOV.2023 16:59:02

**802.11a
Highest Channel**

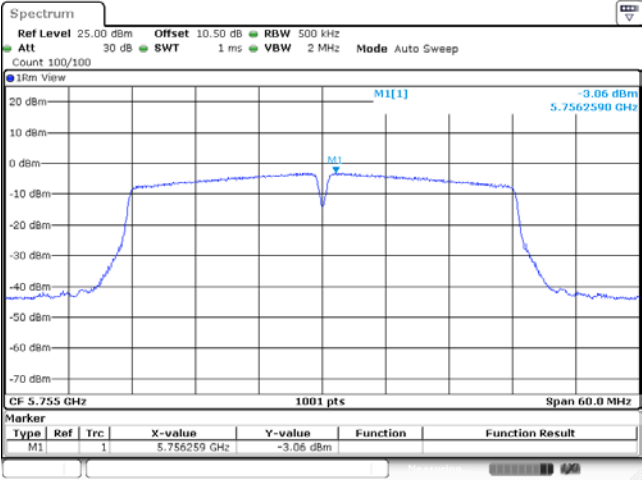
ProjectNo.: CR231061506-RF Tester: Lingling Li
Date: 11.NOV.2023 17:03:29

Maximum power spectral density

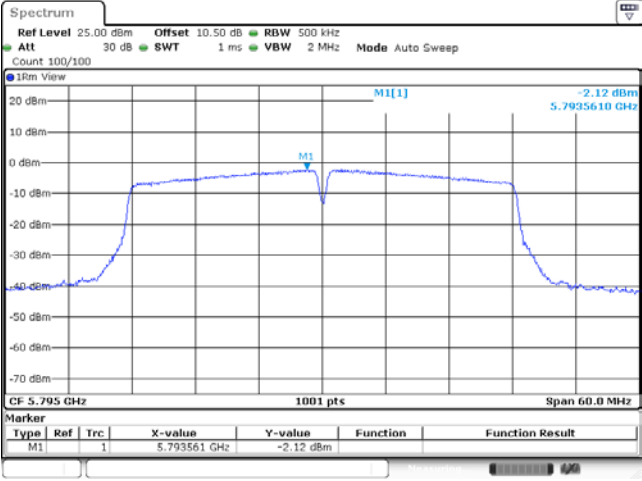
802.11n ht20
Lowest ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 27.NOV.2023 11:54:14802.11n ht20
Middle ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 11.NOV.2023 17:15:13802.11n ht20
Highest ChannelProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 11.NOV.2023 17:19:58

Maximum power spectral density

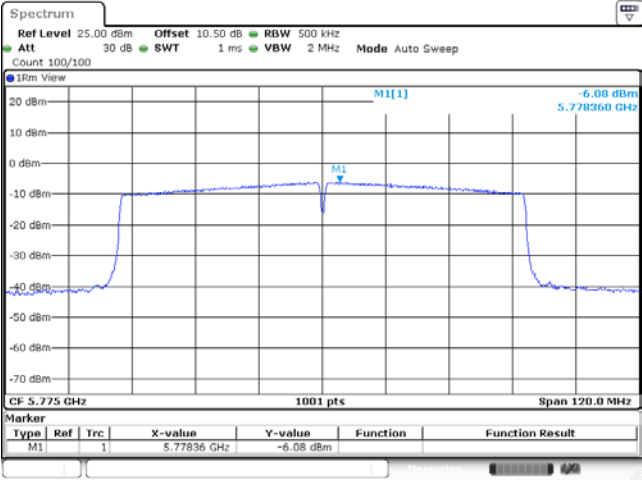
802.11n ht40
Lowest Channel



802.11n ht40
Highest Channel



802.11ac vht80
Middle Channel



4.6 Duty Cycle:

Serial Number:	2CII-1	Test Date:	2023/11/16
Test Site:	RF	Test Mode:	Transmitting
Tester:	Lingling Li	Test Result:	N/A

Environmental Conditions:

Temperature: (°C)	24.3	Relative Humidity: (%)	52	ATM Pressure: (kPa)	100.4
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Test Equipment List and Details:

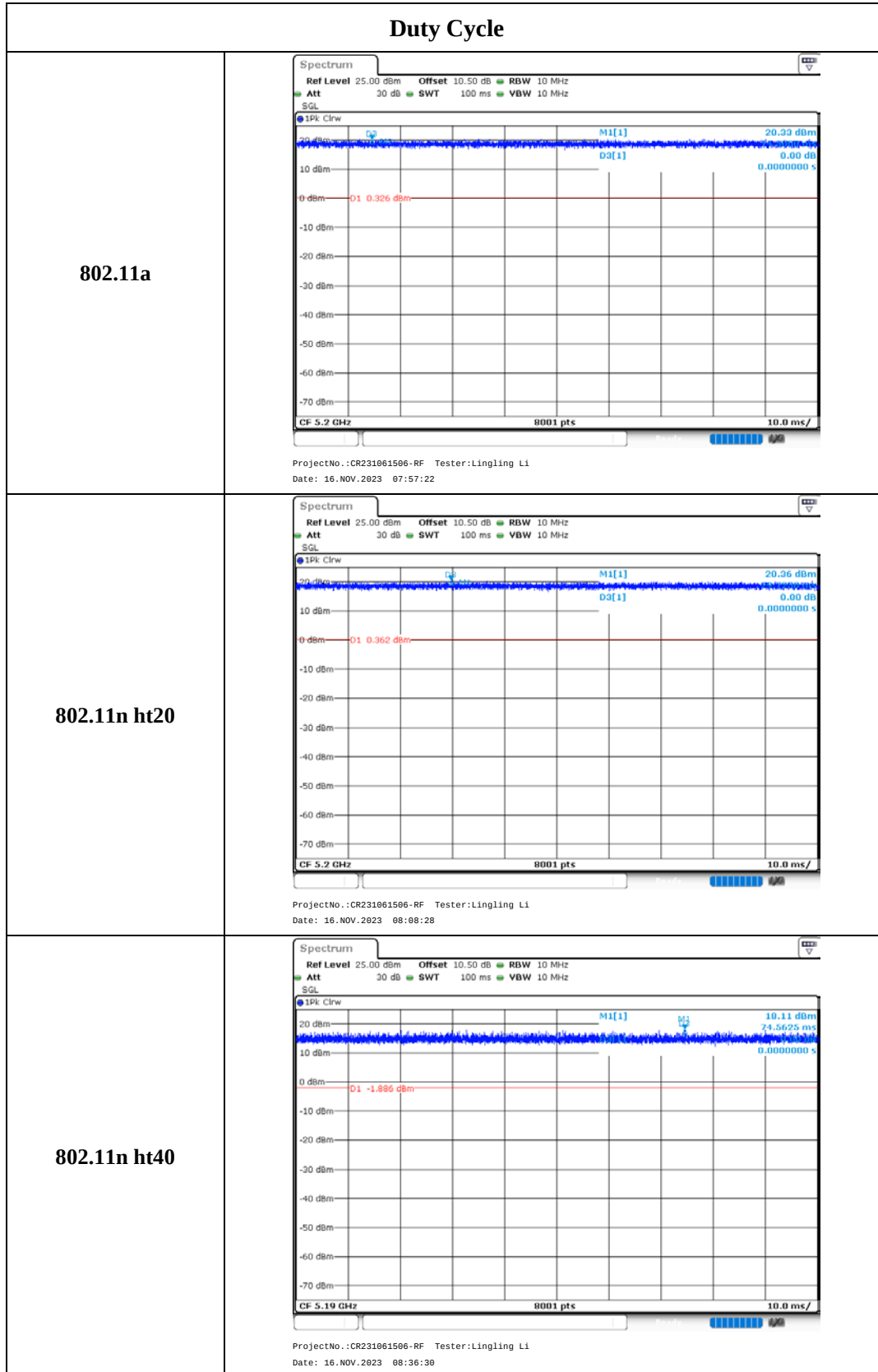
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101590	2022/11/25	2023/11/24
zhuoxiang	Coaxial Cable	SMA-178	211003	Each time	N/A
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060302	Each time	N/A

** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

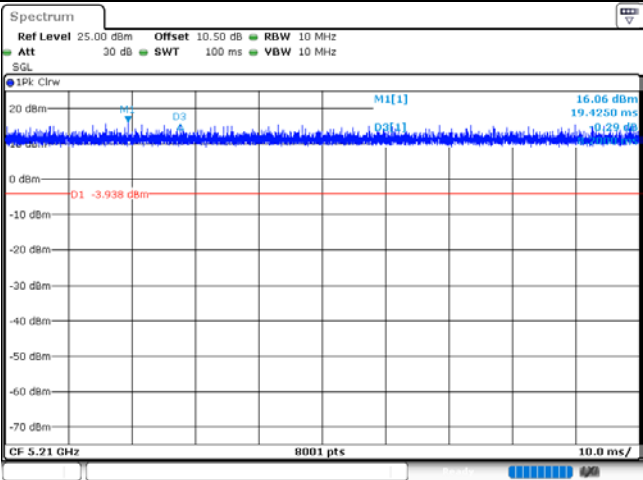
Test Data:

Test Modes	Ton (ms)	Ton+off (ms)	Duty cycle (%)	1/T (Hz)	Duty Cycle Factor (dB)	VBW Setting (Hz)
802.11a	100	100	100.00	/	/	10
802.11n ht20	100	100	100.00	/	/	10
802.11n ht40	100	100	100.00	/	/	10
802.11ac vht80	100	100	100.00	/	/	10

Antenna 0:



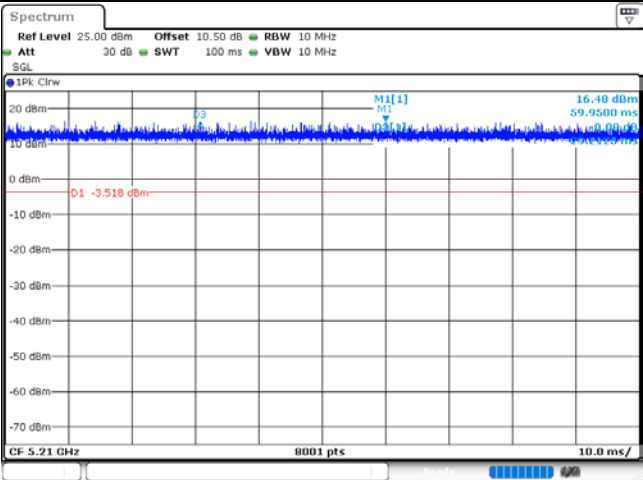
802.11ac vht80



ProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 16.NOV.2023 09:48:25

Duty Cycle	
802.11a	ProjectNo.: CR231061506-RF Tester: Lingling Li Date: 11. NOV. 2023 15:46:06
802.11n ht20	ProjectNo.: CR231061506-RF Tester: Lingling Li Date: 11. NOV. 2023 15:58:14
802.11n ht40	ProjectNo.: CR231061506-RF Tester: Lingling Li Date: 11. NOV. 2023 16:07:18

802.11ac vht80



ProjectNo.:CR231061506-RF Tester:Lingling Li
Date: 11.NOV.2023 16:44:13

5. EUT PHOTOGRAPHS

Please refer to the attachment CR231061506-EXP EUT EXTERNAL PHOTOGRAPHS and
CR231061506-INP EUT INTERNAL PHOTOGRAPHS

6. TEST SETUP PHOTOGRAPHS

Please refer to the attachment CR231061506-00E-TSP TEST SETUP PHOTOGRAPHS.

===== END OF REPORT =====