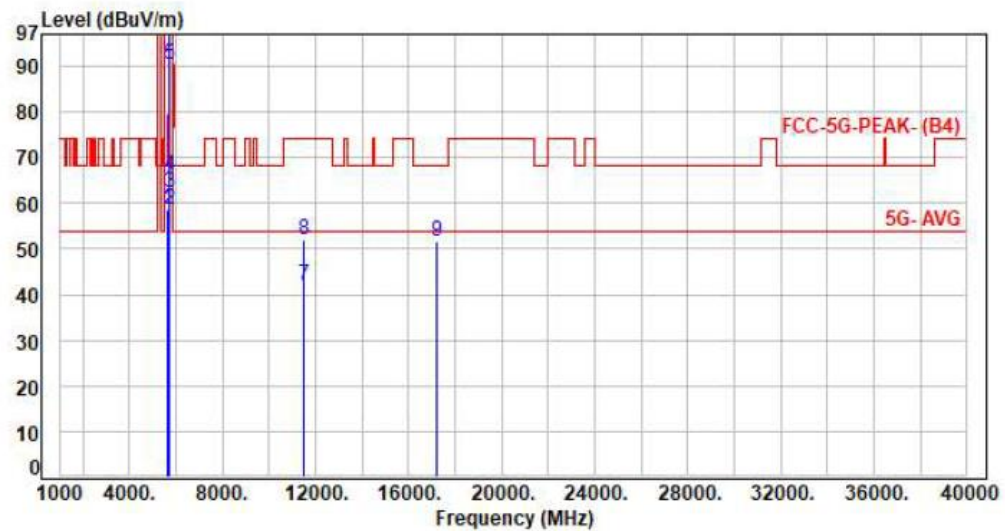


**Test Mode** Mode 2, Band 4

Test Mode : 1TX 11ac20 CH149 NSS1 MCS0
Voltage : From Adapter(AC 120V/60Hz)
Pol : Horizontal



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	0.51	58.12	58.63	68.20	-9.57	Peak	196	174	P
2	5700.00	0.71	57.99	58.70	105.20	-46.50	Peak	196	174	P
3	5720.00	0.74	61.49	62.23	110.80	-48.57	Peak	196	174	P
4	5725.00	0.76	65.29	66.05	122.20	-56.15	Peak	196	174	P
5	5745.00	0.79	89.52	90.31	200.00	-109.69	Average	196	174	P
6	5745.00	0.79	99.67	100.46	200.00	-99.54	Peak	196	174	P
7	11490.00	5.64	36.40	42.04	54.00	-11.96	Average	100	105	P
8	11490.00	5.64	46.35	51.99	74.00	-22.01	Peak	100	105	P
9	17235.00	5.75	46.05	51.80	68.20	-16.40	Peak	100	309	P

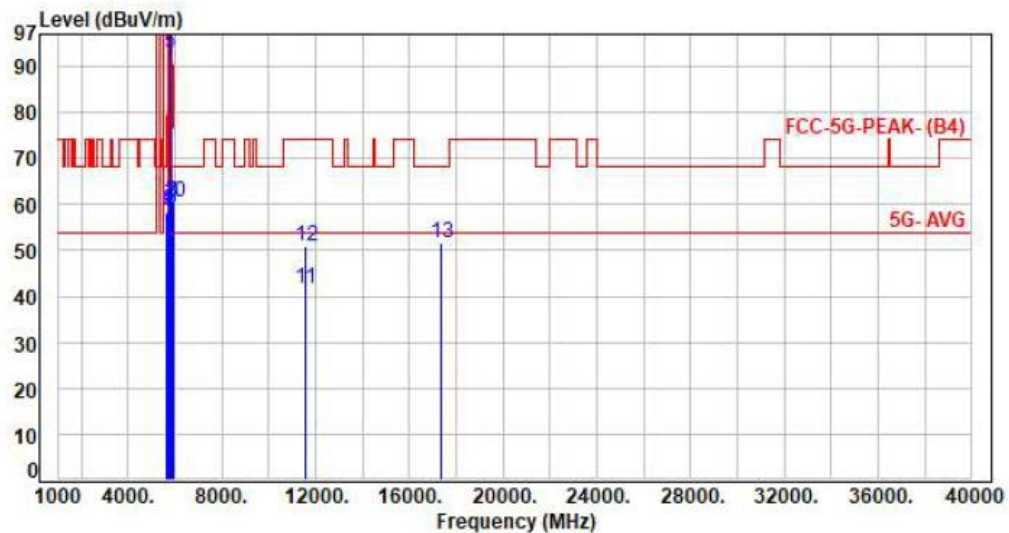
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** Mode 2, Band 4

Test Mode : 1TX 11ac20 CH157 NSS1 MCS0
Voltage : From Adapter(AC 120V/60Hz)
Pol : Vertical



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	0.31	57.79	58.10	68.20	-10.10	Peak	100	317	P
2	5700.00	0.61	58.06	58.67	105.20	-46.53	Peak	100	317	P
3	5720.00	0.64	58.02	58.66	110.80	-52.14	Peak	100	317	P
4	5725.00	0.66	58.28	58.94	122.20	-63.26	Peak	100	317	P
5	5785.00	0.70	92.32	93.02	200.00	-106.98	Average	100	317	P
6	5785.00	0.70	103.33	104.03	200.00	-95.97	Peak	100	317	P
7	5850.00	0.80	59.65	60.45	122.20	-61.75	Peak	100	317	P
8	5855.00	0.79	59.86	60.65	110.80	-50.15	Peak	100	317	P
9	5875.00	0.80	58.36	59.16	105.20	-46.04	Peak	100	317	P
10	5925.00	0.80	59.68	60.48	68.20	-7.72	Peak	100	317	P
11	11570.00	5.45	36.38	41.83	54.00	-12.17	Average	100	252	P
12	11570.00	5.45	45.59	51.04	74.00	-22.96	Peak	100	252	P
13	17355.00	5.46	46.17	51.63	68.20	-16.57	Peak	100	145	P

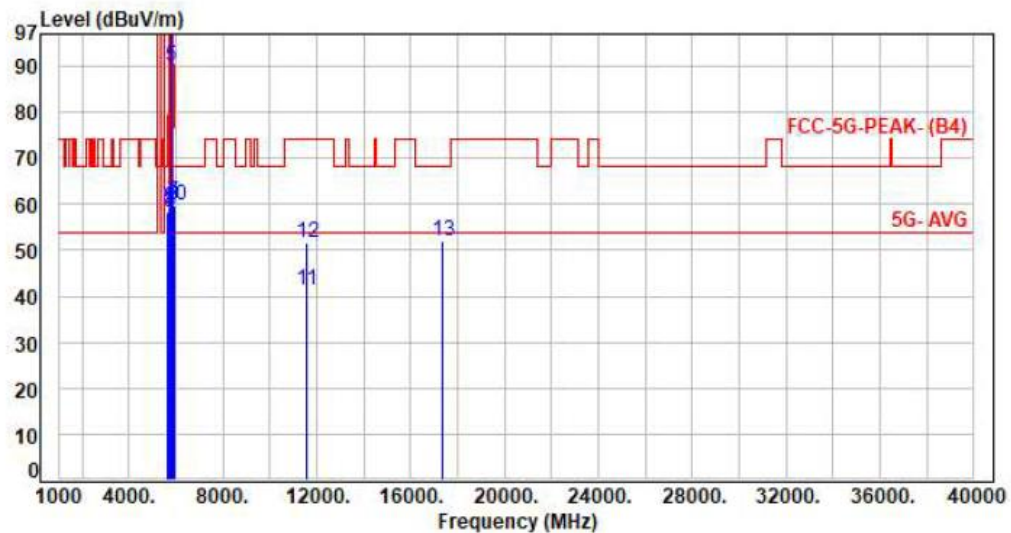
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** Mode 2, Band 4

Test Mode : 1TX 11ac20 CH157 NSS1 MCS0
Voltage : From Adapter(AC 120V/60Hz)
Pol : Horizontal



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	0.31	57.96	58.27	68.20	-9.93	Peak	383	174	P
2	5700.00	0.61	58.52	59.13	105.20	-46.07	Peak	383	174	P
3	5720.00	0.64	57.74	58.38	110.80	-52.42	Peak	383	174	P
4	5725.00	0.66	57.68	58.34	122.20	-63.86	Peak	383	174	P
5	5785.00	0.70	89.32	90.02	200.00	-109.98	Average	383	174	P
6	5785.00	0.70	99.62	100.32	200.00	-99.68	Peak	383	174	P
7	5850.00	0.80	59.59	60.39	122.20	-61.81	Peak	383	174	P
8	5855.00	0.79	59.12	59.91	110.80	-50.89	Peak	383	174	P
9	5875.00	0.80	58.88	59.68	105.20	-45.52	Peak	383	174	P
10	5925.00	0.80	59.12	59.92	68.20	-8.28	Peak	383	174	P
11	11570.00	5.45	35.83	41.28	54.00	-12.72	Average	100	108	P
12	11570.00	5.45	46.13	51.58	74.00	-22.42	Peak	100	108	P
13	17355.00	5.46	46.52	51.98	68.20	-16.22	Peak	100	304	P

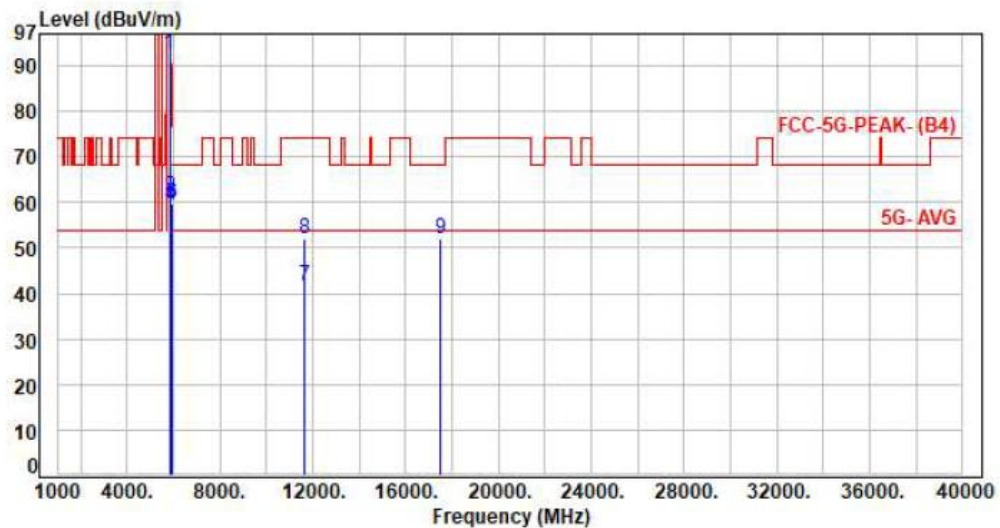
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** Mode 2, Band 4

Test Mode : 1TX 11ac20 CH165 NSS1 MCS0
Voltage : From Adapter(AC 120V/60Hz)
Pol : Vertical



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5825.00	0.75	91.69	92.44	200.00	-107.56	Average	100	317	P
2	5825.00	0.75	102.28	103.03	200.00	-96.97	Peak	100	317	P
3	5850.00	0.80	60.60	61.40	122.20	-60.80	Peak	100	317	P
4	5855.00	0.79	58.70	59.49	110.80	-51.31	Peak	100	317	P
5	5875.00	0.80	59.04	59.84	105.20	-45.36	Peak	100	317	P
6	5925.00	0.80	58.92	59.72	68.20	-8.48	Peak	100	317	P
7	11650.00	5.42	36.40	41.82	54.00	-12.18	Average	100	256	P
8	11650.00	5.42	46.42	51.84	74.00	-22.16	Peak	100	256	P
9	17475.00	5.50	46.44	51.94	68.20	-16.26	Peak	100	153	P

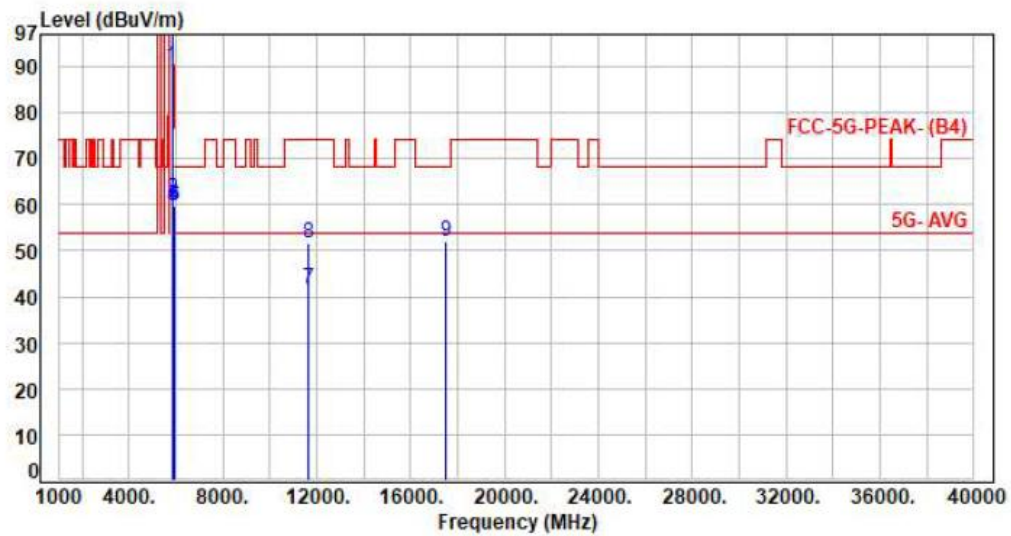
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** Mode 2, Band 4

Test Mode : 1TX 11ac20 CH165 NSS1 MCS0
Voltage : From Adapter(AC 120V/60Hz)
Pol : Horizontal



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5825.00	0.75	89.11	89.86	200.00	-110.14	Average	154	175	P
2	5825.00	0.75	99.15	99.90	200.00	-100.10	Peak	154	175	P
3	5850.00	0.80	60.44	61.24	122.20	-60.96	Peak	154	175	P
4	5855.00	0.79	58.89	59.68	110.80	-51.12	Peak	154	175	P
5	5875.00	0.80	59.03	59.83	105.20	-45.37	Peak	154	175	P
6	5925.00	0.80	59.10	59.90	68.20	-8.30	Peak	154	175	P
7	11650.00	5.42	36.15	41.57	54.00	-12.43	Average	100	105	P
8	11650.00	5.42	46.30	51.72	74.00	-22.28	Peak	100	105	P
9	17475.00	5.50	46.39	51.89	68.20	-16.31	Peak	100	297	P

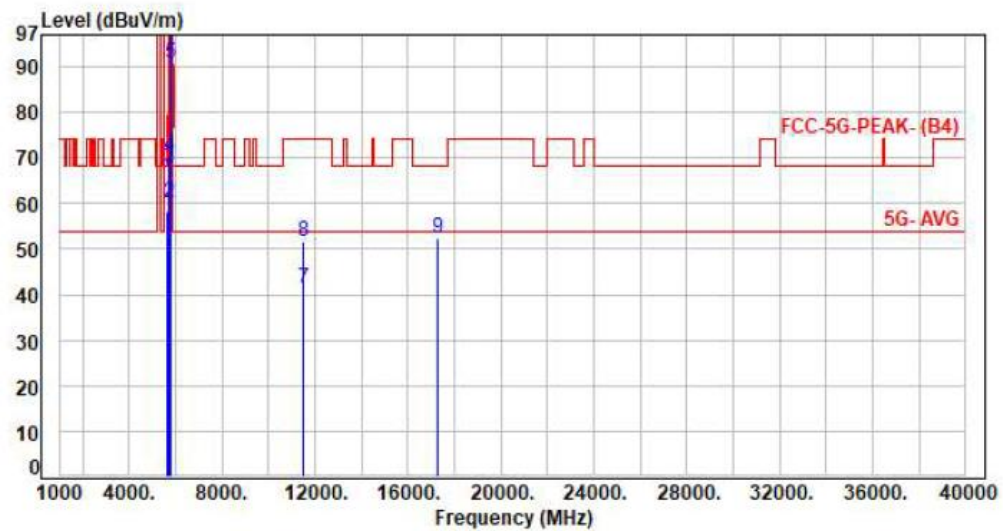
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** Mode 3, Band 4

Test Mode : 1TX 11ac40 CH151 NSS1 MCS0
Voltage : From Adapter(AC 120V/60Hz)
Pol : Vertical



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	0.31	57.81	58.12	68.20	-10.08	Peak	100	318	P
2	5700.00	0.61	59.57	60.18	105.20	-45.02	Peak	100	318	P
3	5720.00	0.64	67.35	67.99	110.80	-42.81	Peak	100	318	P
4	5725.00	0.66	69.72	70.38	122.20	-51.82	Peak	100	318	P
5	5755.00	0.70	90.16	90.86	200.00	-109.14	Average	100	318	P
6	5755.00	0.70	99.68	100.38	200.00	-99.62	Peak	100	318	P
7	11510.00	5.35	35.79	41.14	54.00	-12.86	Average	100	254	P
8	11510.00	5.35	46.13	51.48	74.00	-22.52	Peak	100	254	P
9	17265.00	5.46	47.07	52.53	68.20	-15.67	Peak	100	158	P

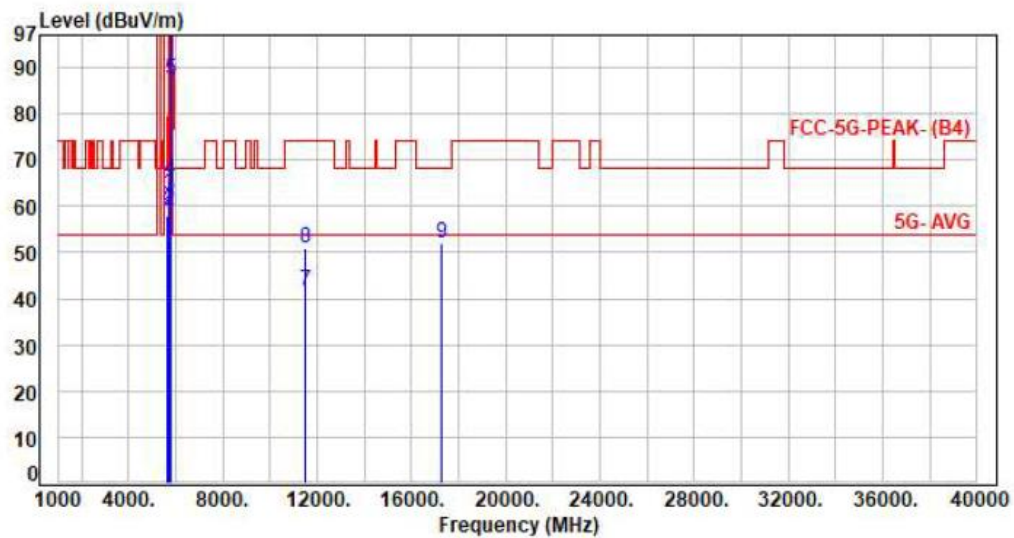
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** Mode 3, Band 4

Test Mode : 1TX 11ac40 CH151 NSS1 MCS0
Voltage : From Adapter(AC 120V/60Hz)
Pol : Horizontal

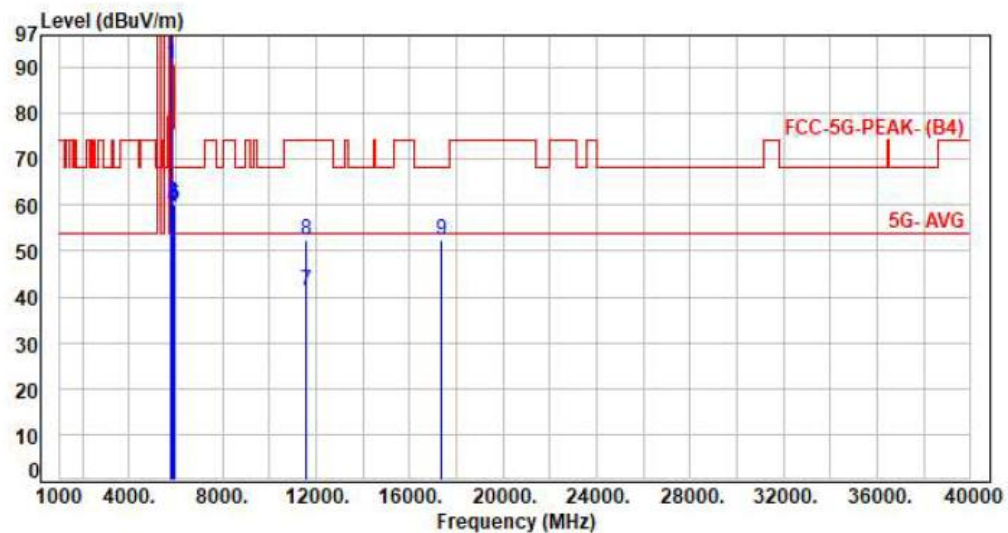


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	0.31	57.58	57.89	68.20	-10.31	Peak	385	175	P
2	5700.00	0.61	58.25	58.86	105.20	-46.34	Peak	385	175	P
3	5720.00	0.64	61.74	62.38	110.80	-48.42	Peak	385	175	P
4	5725.00	0.66	65.05	65.71	122.20	-56.49	Peak	385	175	P
5	5755.00	0.70	86.85	87.55	200.00	-112.45	Average	385	175	P
6	5755.00	0.70	96.61	97.31	200.00	-102.69	Peak	385	175	P
7	11510.00	5.35	36.48	41.83	54.00	-12.17	Average	100	98	P
8	11510.00	5.35	45.67	51.02	74.00	-22.98	Peak	100	98	P
9	17265.00	5.46	46.39	51.85	68.20	-16.35	Peak	100	302	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** Mode 3, Band 4

Test Mode : 1TX 11ac40 CH159 NSS1 MCS0
Voltage : From Adapter(AC 120V/60Hz)
Pol : Vertical



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5795.00	0.70	90.03	90.73	200.00	-109.27	Average	100	318	P
2	5795.00	0.70	99.39	100.09	200.00	-99.91	Peak	100	318	P
3	5850.00	0.80	59.74	60.54	122.20	-61.66	Peak	100	318	P
4	5855.00	0.79	58.59	59.38	110.80	-51.42	Peak	100	318	P
5	5875.00	0.80	59.01	59.81	105.20	-45.39	Peak	100	318	P
6	5925.00	0.80	59.31	60.11	68.20	-8.09	Peak	100	318	P
7	11590.00	5.45	35.86	41.31	54.00	-12.69	Average	100	259	P
8	11590.00	5.45	46.77	52.22	74.00	-21.78	Peak	100	259	P
9	17385.00	5.42	46.89	52.31	68.20	-15.89	Peak	100	153	P

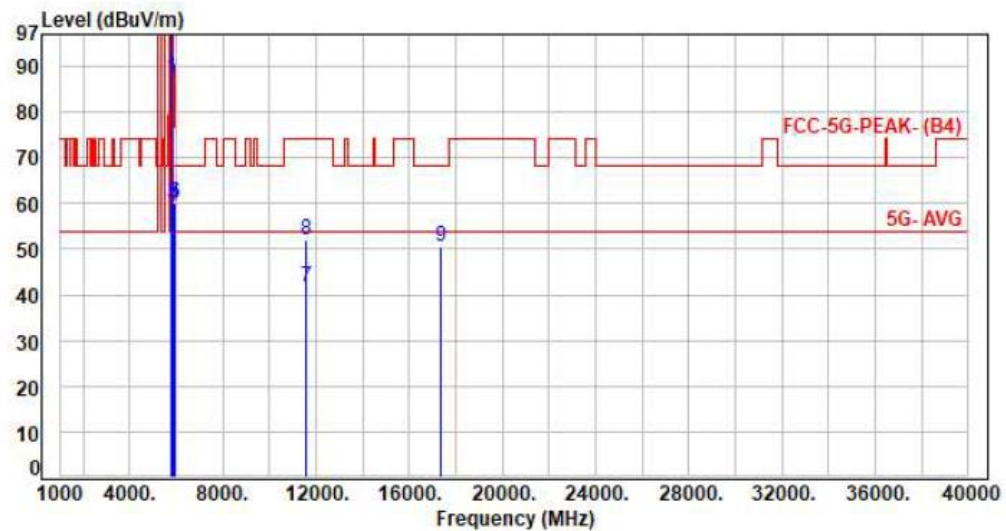
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** Mode 3, Band 4

Test Mode : 1TX 11ac40 CH159 NSS1 MCS0
Voltage : From Adapter(AC 120V/60Hz)
Pol : Horizontal



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5795.00	0.70	86.86	87.56	200.00	-112.44	Average	381	174	P
2	5795.00	0.70	96.36	97.06	200.00	-102.94	Peak	381	174	P
3	5850.00	0.80	59.18	59.98	122.20	-62.22	Peak	381	174	P
4	5855.00	0.79	58.61	59.40	110.80	-51.40	Peak	381	174	P
5	5875.00	0.80	59.16	59.96	105.20	-45.24	Peak	381	174	P
6	5925.00	0.80	59.23	60.03	68.20	-8.17	Peak	381	174	P
7	11590.00	5.45	36.40	41.85	54.00	-12.15	Average	100	101	P
8	11590.00	5.45	46.66	52.11	74.00	-21.89	Peak	100	101	P
9	17385.00	5.42	45.02	50.44	68.20	-17.76	Peak	100	307	P

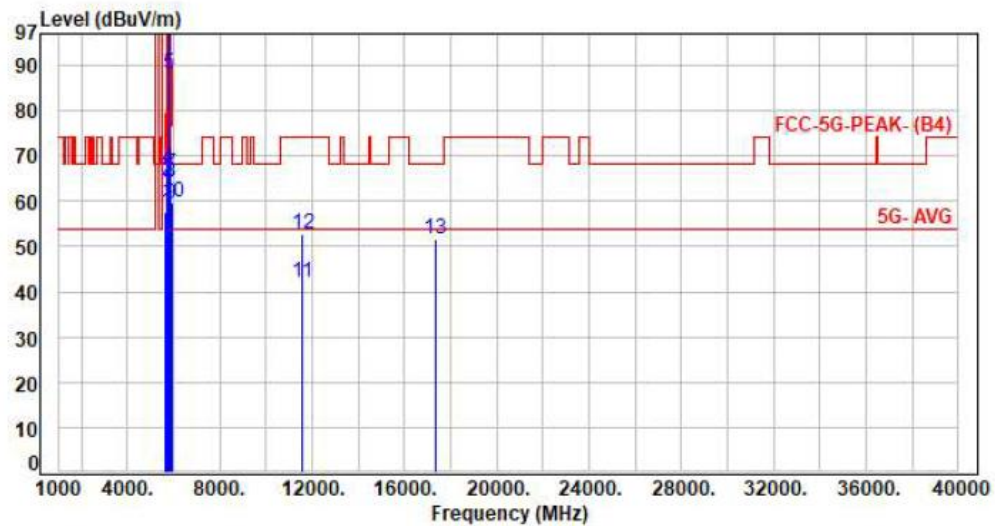
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** Mode 4, Band 4

Test Mode : 1TX 11ac80 CH155 NSS1 MCS0
Voltage : From Adapter(AC 120V/60Hz)
Pol : Vertical



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	0.31	57.37	57.68	68.20	-10.52	Peak	100	317	P
2	5700.00	0.61	63.77	64.38	105.20	-40.82	Peak	100	317	P
3	5720.00	0.64	63.51	64.15	110.80	-46.65	Peak	100	317	P
4	5725.00	0.66	66.61	67.27	122.20	-54.93	Peak	100	317	P
5	5775.00	0.70	87.35	88.05	200.00	-111.95	Average	100	317	P
6	5775.00	0.70	96.48	97.18	200.00	-102.82	Peak	100	317	P
7	5850.00	0.80	65.22	66.02	122.20	-56.18	Peak	100	317	P
8	5855.00	0.79	63.45	64.24	110.80	-46.56	Peak	100	317	P
9	5875.00	0.80	58.59	59.39	105.20	-45.81	Peak	100	317	P
10	5925.00	0.80	59.12	59.92	68.20	-8.28	Peak	100	317	P
11	11550.00	5.44	36.57	42.01	54.00	-11.99	Average	100	254	P
12	11550.00	5.44	47.25	52.69	74.00	-21.31	Peak	100	254	P
13	17325.00	5.51	46.26	51.77	68.20	-16.43	Peak	100	152	P

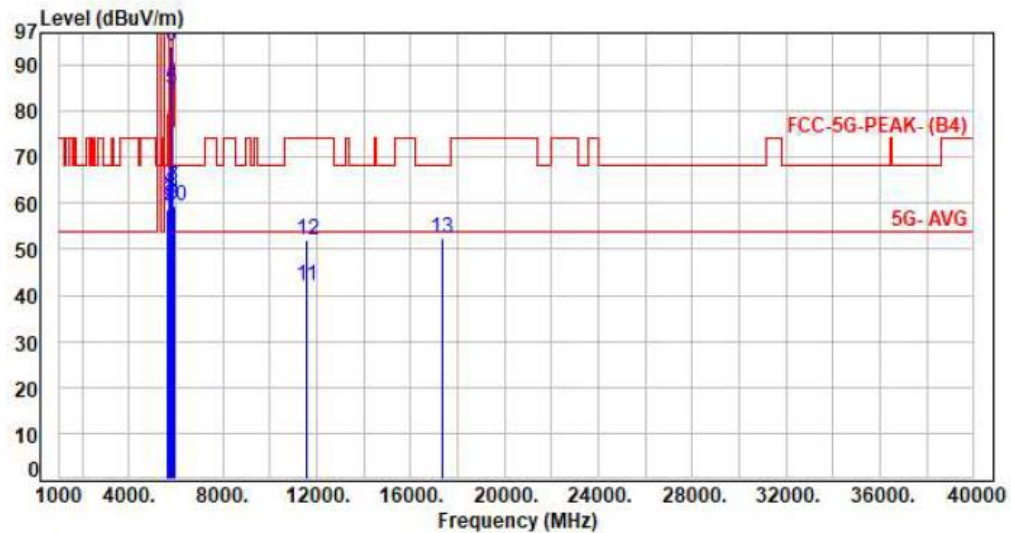
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** Mode 4, Band 4

Test Mode : 1TX 11ac80 CH155 NSS1 MCS0
Voltage : From Adapter(AC 120V/60Hz)
Pol : Horizontal



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	0.31	58.26	58.57	68.20	-9.63	Peak	386	174	P
2	5700.00	0.61	58.87	59.48	105.20	-45.72	Peak	386	174	P
3	5720.00	0.64	59.75	60.39	110.80	-50.41	Peak	386	174	P
4	5725.00	0.66	62.31	62.97	122.20	-59.23	Peak	386	174	P
5	5775.00	0.70	84.12	84.82	200.00	-115.18	Average	386	174	P
6	5775.00	0.70	93.40	94.10	200.00	-105.90	Peak	386	174	P
7	5850.00	0.80	62.55	63.35	122.20	-58.85	Peak	386	174	P
8	5855.00	0.79	61.62	62.41	110.80	-48.39	Peak	386	174	P
9	5875.00	0.80	58.95	59.75	105.20	-45.45	Peak	386	174	P
10	5925.00	0.80	58.43	59.23	68.20	-8.97	Peak	386	174	P
11	11550.00	5.44	36.56	42.00	54.00	-12.00	Average	100	105	P
12	11550.00	5.44	46.39	51.83	74.00	-22.17	Peak	100	105	P
13	17325.00	5.51	46.93	52.44	68.20	-15.76	Peak	100	309	P

Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



6.7. Restricted Bands of Operation

Only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.09000 – 0.11000	16.42000 – 16.42300	399.9 – 410.0	4.500 – 5.150
0.49500 – 0.505**	16.69475 – 16.69525	608.0 – 614.0	5.350 – 5.460
2.17350 – 2.19050	16.80425 – 16.80475	960.0 – 1240.0	7.250 – 7.750
4.12500 – 4.12800	25.50000 – 25.67000	1300.0 – 1427.0	8.025 – 8.500
4.17725 – 4.17775	37.50000 – 38.25000	1435.0 – 1626.5	9.000 – 9.200
4.20725 – 4.20775	73.00000 – 74.60000	1645.5 – 1646.5	9.300 – 9.500
6.21500 – 6.21800	74.80000 – 75.20000	1660.0 – 1710.0	10.600 – 12.700
6.26775 – 6.26825	108.00000 – 121.94000	1718.8 – 1722.2	13.250 – 13.400
6.31175 – 6.31225	123.00000 – 138.00000	2200.0 – 2300.0	14.470 – 14.500
8.29100 – 8.29400	149.90000 – 150.05000	2310.0 – 2390.0	15.350 – 16.200
8.36200 – 8.36600	156.52475 – 156.52525	2483.5 – 2500.0	17.700 – 21.400
8.37625 – 8.38675	156.70000 – 156.90000	2655.0 – 2900.0	22.010 – 23.120
8.41425 – 8.41475	162.01250 – 167.17000	3260.0 – 3267.0	23.600 – 24.000
12.29000 – 12.29300	167.72000 – 173.20000	3332.0 – 3339.0	31.200 – 31.800
12.51975 – 12.52025	240.00000 – 285.00000	3345.8 – 3358.0	36.430 – 36.500
12.57675 – 12.57725	322.00000 – 335.40000	3600.0 – 4400.0	Above 38.6
13.36000 – 13.41000			

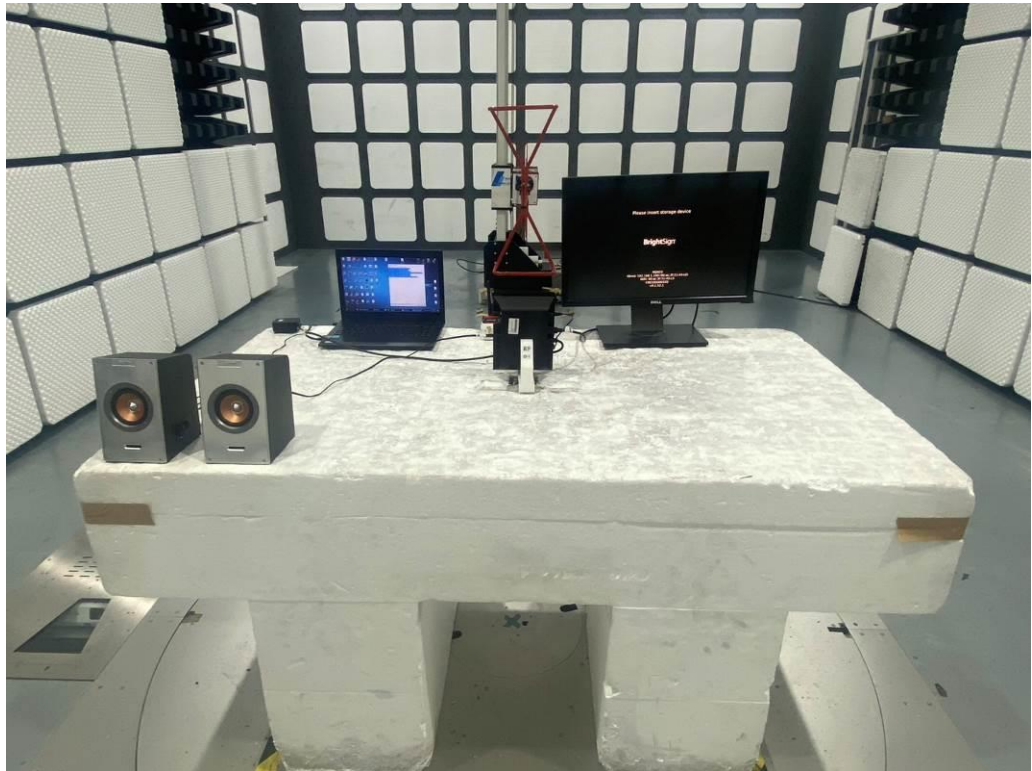
** : Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz



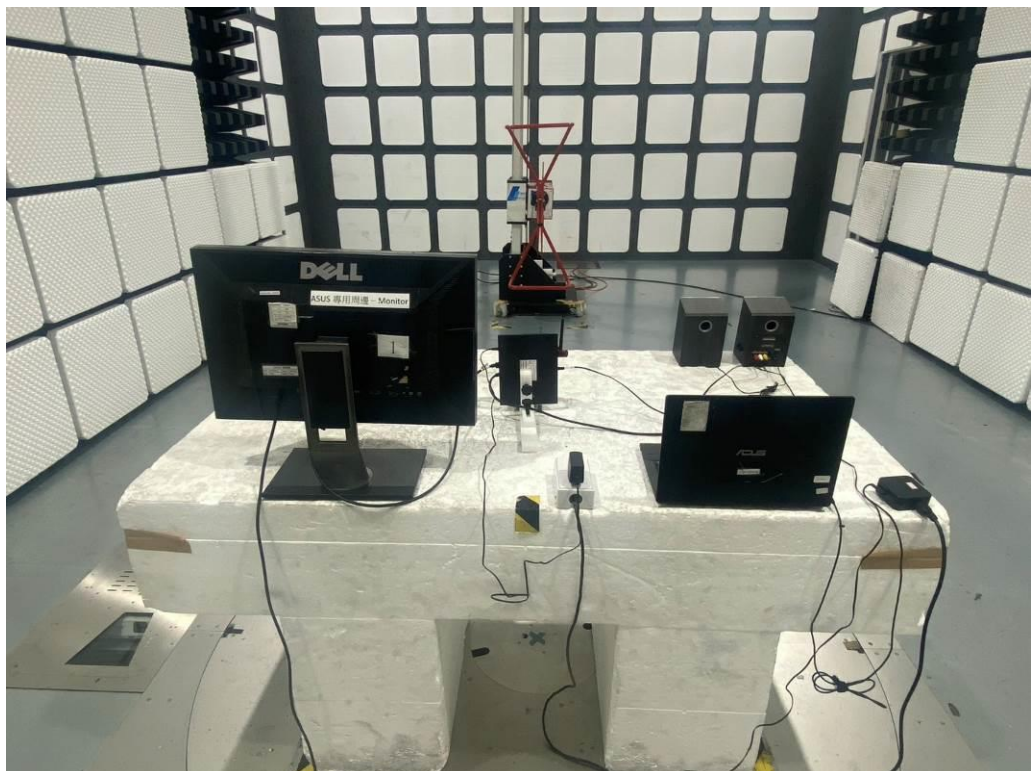
6.8. Test Photographs (30MHz ~ 1GHz)

For 25060441

Front View



Rear View





6.9. Test Photographs (1GHz ~ 40GHz)

For 24090226

Front View

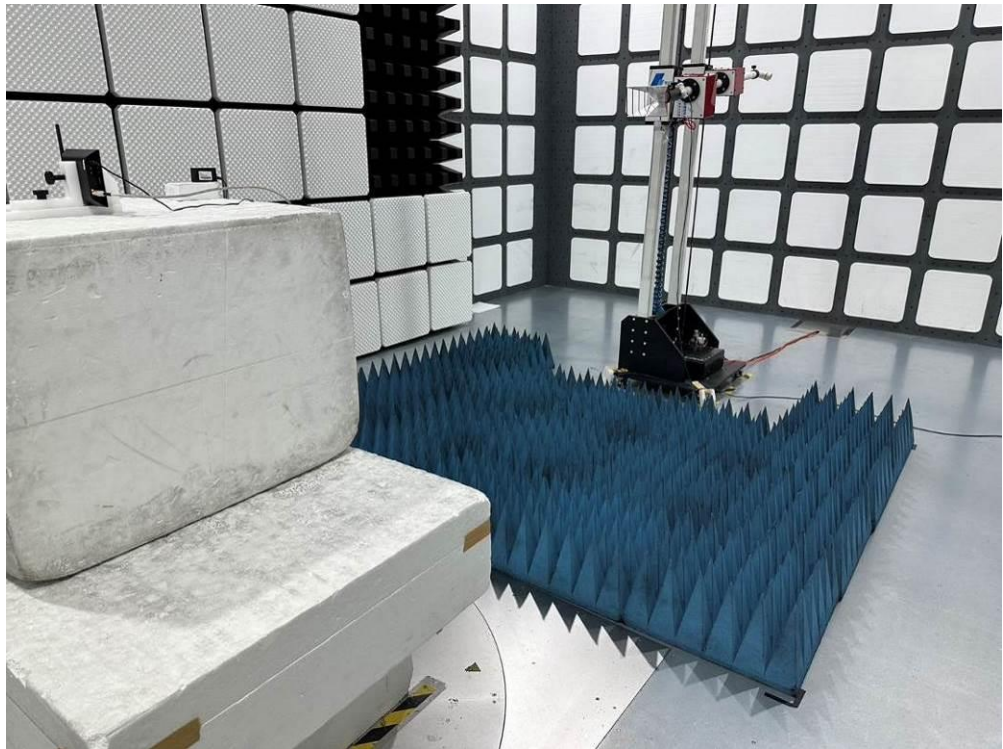


Rear View





Side View





7. On Time, Duty Cycle and Measurement methods

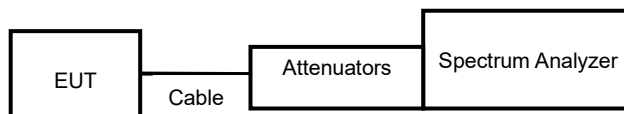
7.1. Test Limit

None; for reporting purposes only.

7.2. Test Procedure

KDB 789033 Zero-Span Spectrum Analyzer Method.

7.3. Test Setup Layout



7.4. Test Result and Data

For 24090226

Modulation Type	On Time (ms)	Period Time (ms)	Duty Cycle (%)
802.11a,6M	2.07	2.23	93.01%
802.11ac VHT20	1.93	1.97	97.93%
802.11ac VHT40	0.95	1.07	89.37%
802.11ac VHT80	0.46	0.51	90.68%

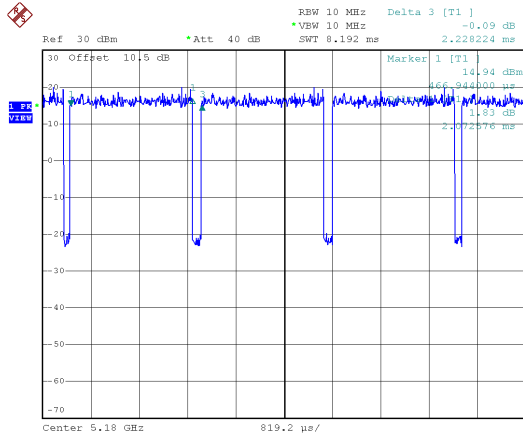
7.5. Measurement Methods

26 dB and 6dB Emission BW	KDB 789033 D02 v02r01, Section C
99% Occupied BW	KDB 789033 D02 v02r01, Section D
Conducted Output Power	KDB 789033 D02 v02r01, Section E.2.d and E.3.b (Method PM-G)
Power Spectral Density	KDB 789033 D02 v02r01, Section F
Unwanted emissions in restricted bands	KDB 789033 D02 v02r01, Sections G and H
Unwanted emissions in non-restricted bands	KDB 789033 D02 v02r01, Sections G and H



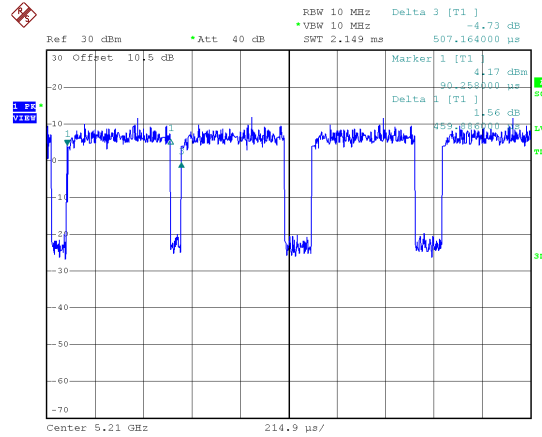
For 24090226

Modulation Type: 802.11a (6Mbps)



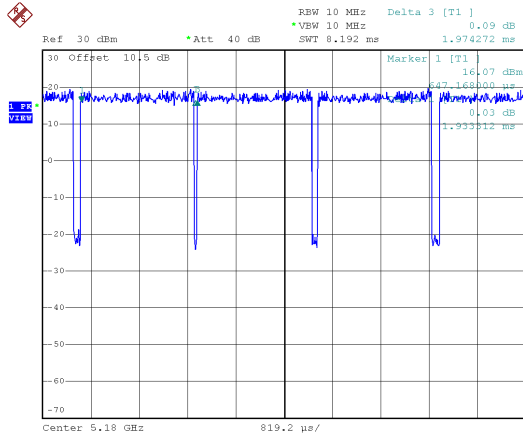
Date: 24.SEP.2024 14:40:40

Modulation Type: 802.11ac VHT80 (29.3Mbps)



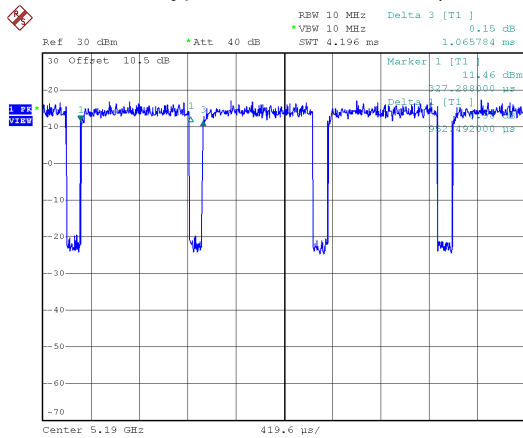
Date: 24.SEP.2024 16:47:48

Modulation Type: 802.11ac VHT20 (6.5Mbps)



Date: 24.SEP.2024 15:37:13

Modulation Type: 802.11ac VHT40 (13.5Mbps)



Date: 24.SEP.2024 16:19:52



8. 6dB Bandwidth & 99% Occupied Bandwidth

8.1. Test Limit

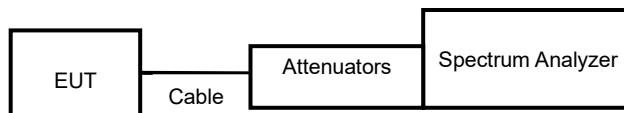
FCC §15.407

The minimum 6 dB bandwidth shall be at least 500 kHz.

8.2. Test Procedure

Reference to 789033 D02 General UNII Test Procedures New Rules v01: The transmitter output is connected to a spectrum analyzer with the RBW set to 100KHz, the VBW $\geq 3 \times$ RBW, peak detector and max hold.

8.3. Test Setup Layout





8.4. Test Result and Data

For 24090226

In the 5.8G Band

Modulation Type	Channel	Frequency (MHz)	6dB Bandwidth(MHz)	Minimum Limit (MHz)
11a	149	5745	16.32	0.50
11a	157	5785	16.29	0.50
11a	165	5825	16.32	0.50
11ac VHT20	149	5745	17.01	0.50
11ac VHT20	157	5785	16.77	0.50
11ac VHT20	165	5825	17.04	0.50
11ac VHT40	151	5755	35.16	0.50
11ac VHT40	159	5795	35.10	0.50
11ac VHT80	155	5775	75.12	0.50

In the 5.8G Band

Modulation Type	Channel	Frequency (MHz)	99% Bandwidth(MHz)
11a	149	5745	16.83
11a	157	5785	16.80
11a	165	5825	16.80
11ac VHT20	149	5745	17.82
11ac VHT20	157	5785	17.73
11ac VHT20	165	5825	17.76
11ac VHT40	151	5755	36.48
11ac VHT40	159	5795	36.42
11ac VHT80	155	5775	75.36

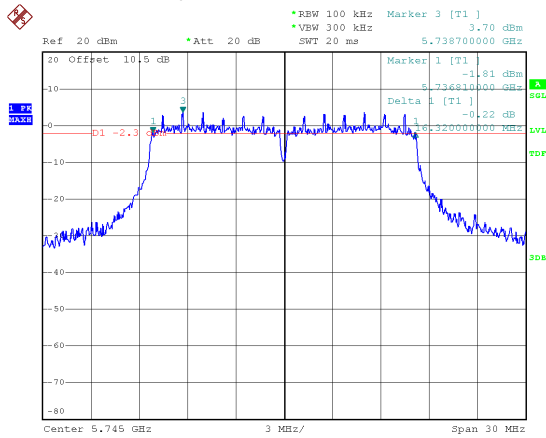
UNII Emission Bandwidth Result (Extends across 5725MHz band)				
Modulation Type	Data Rate / MCS	Frequency (MHz)	6dB Bandwidth(MHz)	99% Bandwidth(MHz)
11a	6 Mbps	5720	3.13	4.50
11ac VHT20	NSS1-MCS0	5720	3.38	4.75
11ac VHT40	NSS1-MCS0	5710	2.88	14.25
11ac VHT80	NSS1-MCS0	5690	2.75	34.25



For 24090226

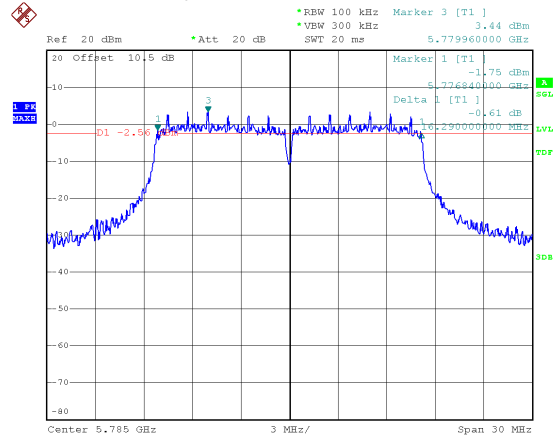
6dB Bandwidth

Modulation Type: 802.11a CH149



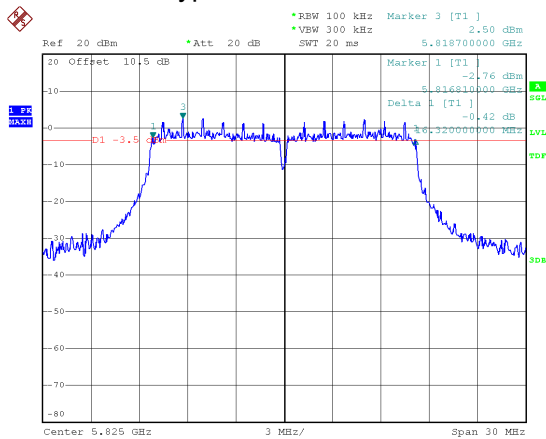
Date: 24.SEP.2024 15:28:00

Modulation Type: 802.11a CH157



Date: 24.SEP.2024 15:30:06

Modulation Type: 802.11a CH165

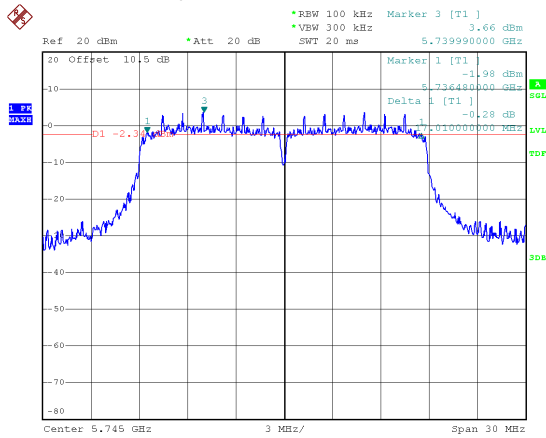


Date: 24.SEP.2024 15:32:06

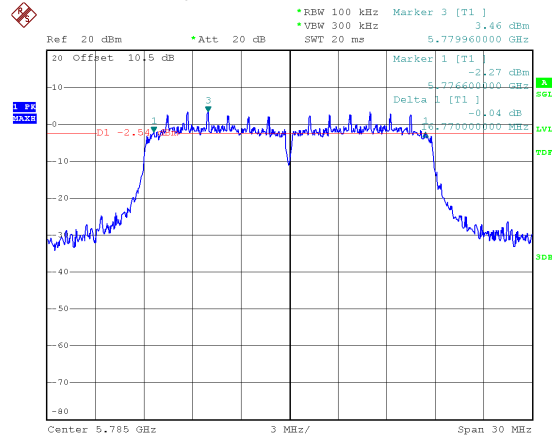


6dB Bandwidth

Modulation Type: 802.11ac VHT20 CH149



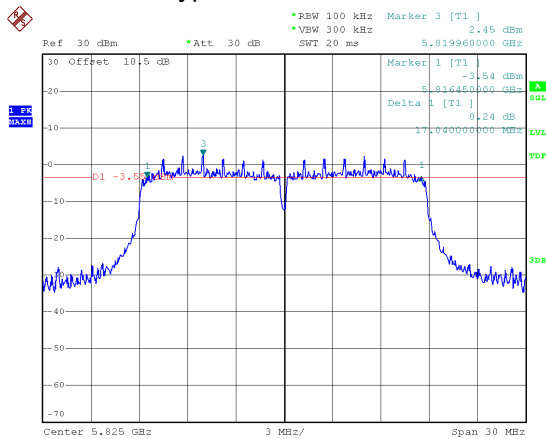
Modulation Type: 802.11ac VHT20 CH157



Date: 24.SEP.2024 16:10:08

Date: 24.SEP.2024 16:12:59

Modulation Type: 802.11ac VHT20 CH165

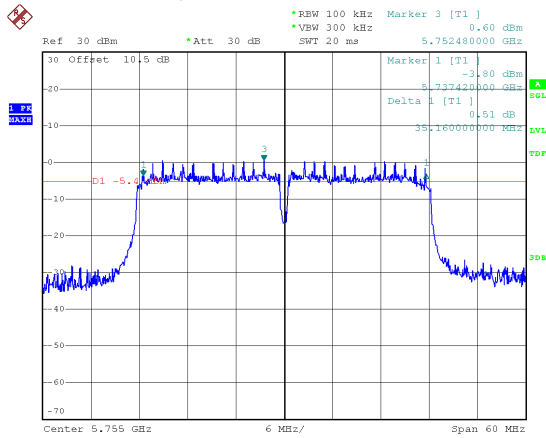


Date: 24.SEP.2024 16:15:47



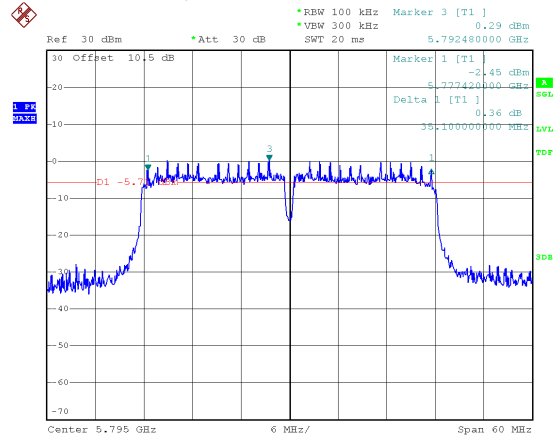
6dB Bandwidth

Modulation Type: 802.11ac VHT40 CH151



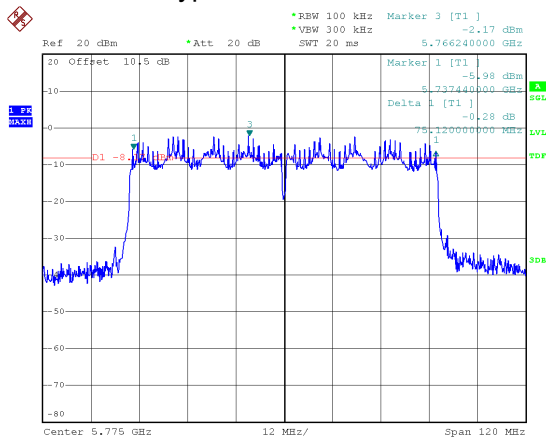
Date: 24.SEP.2024 16:42:30

Modulation Type: 802.11ac VHT40 CH159



Date: 24.SEP.2024 16:44:34

Modulation Type: 802.11ac VHT80 CH155



Date: 24.SEP.2024 17:06:38

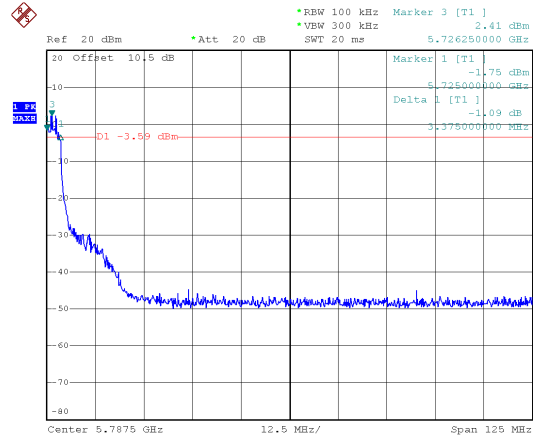
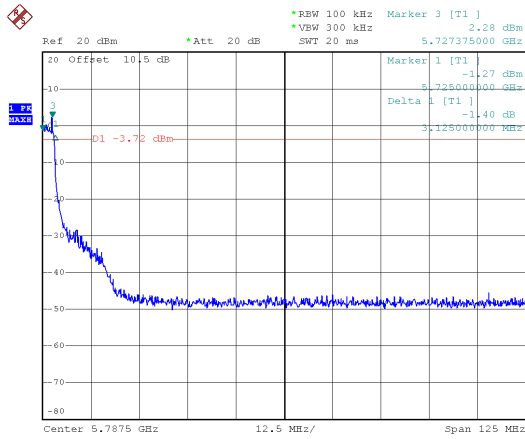


6dB Bandwidth

Extends across 5725MHz Band, Straddle Channel

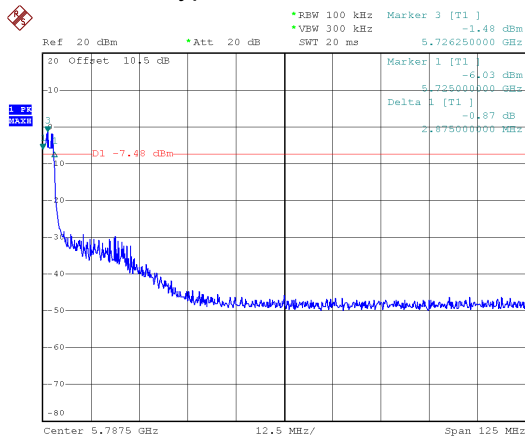
Modulation Type: 802.11a CH144

Modulation Type: 802.11ac VHT20 CH144



Date: 24.SEP.2024 15:23:41

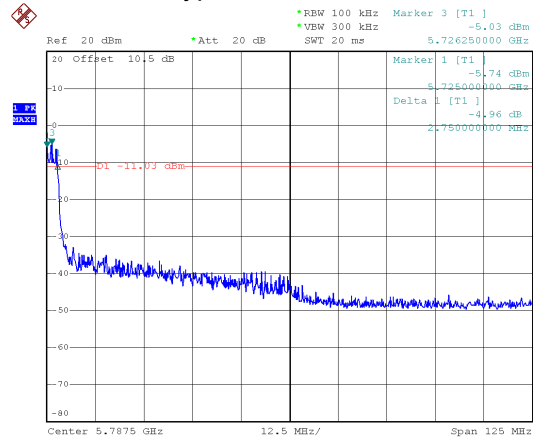
Modulation Type: 802.11ac VHT40 CH142



Date: 24.SEP.2024 16:39:09

Date: 24.SEP.2024 16:06:40

Modulation Type: 802.11ac VHT80 CH138

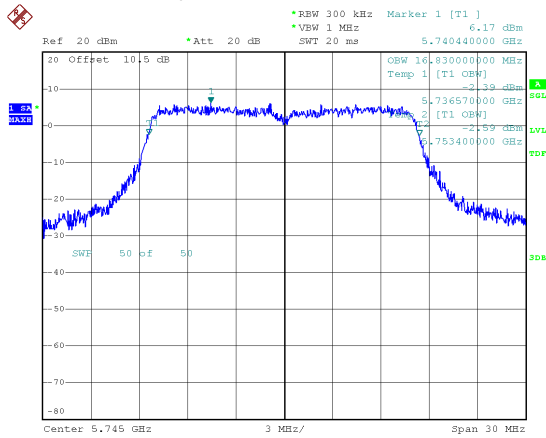


Date: 24.SEP.2024 17:03:11



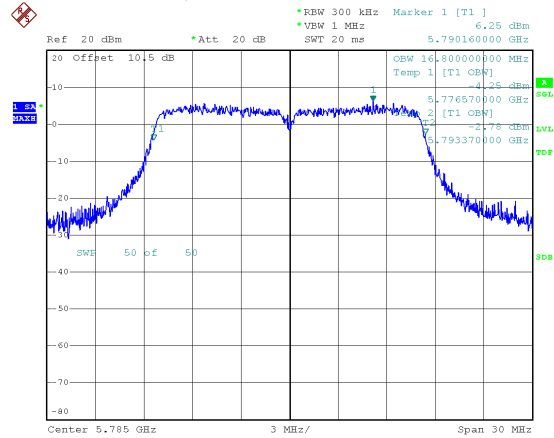
99% Bandwidth

Modulation Type: 802.11a CH149



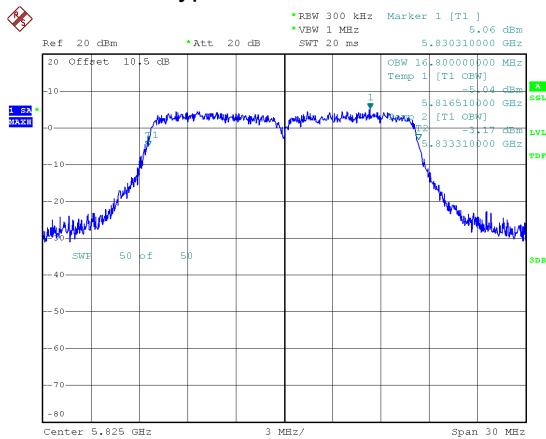
Date: 24.SEP.2024 15:27:36

Modulation Type: 802.11a CH157



Date: 24.SEP.2024 15:29:42

Modulation Type: 802.11a CH165

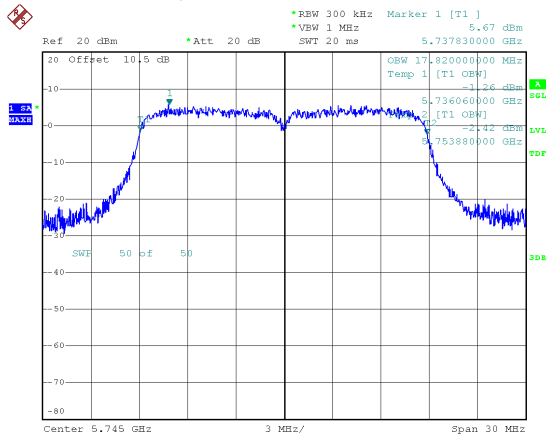


Date: 24.SEP.2024 15:31:43

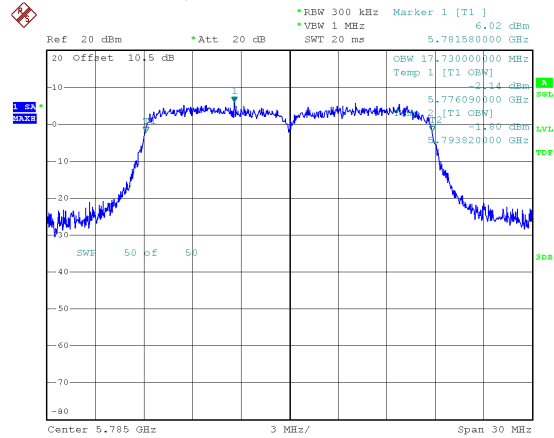


99% Bandwidth

Modulation Type: 802.11ac VHT20 CH149



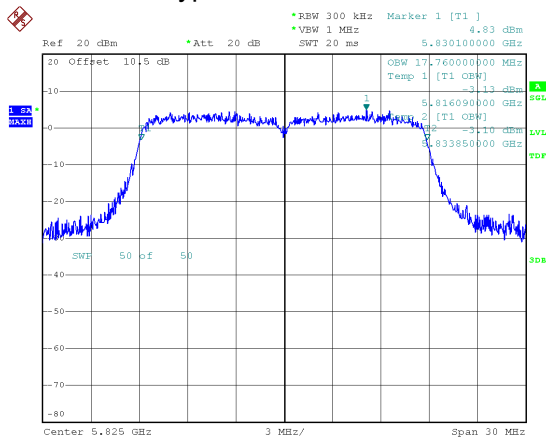
Modulation Type: 802.11ac VHT20 CH157



Date: 24.SEP.2024 16:09:44

Date: 24.SEP.2024 16:12:35

Modulation Type: 802.11ac VHT20 CH165

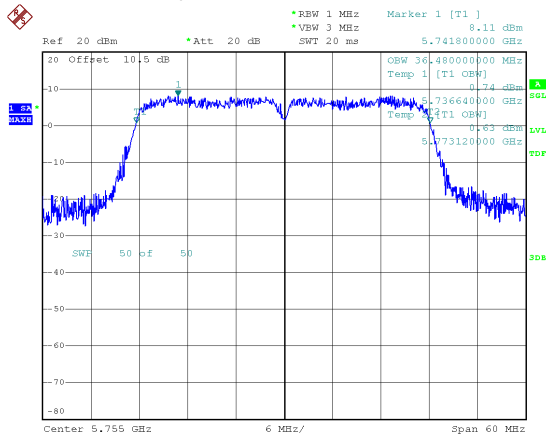


Date: 24.SEP.2024 16:14:23

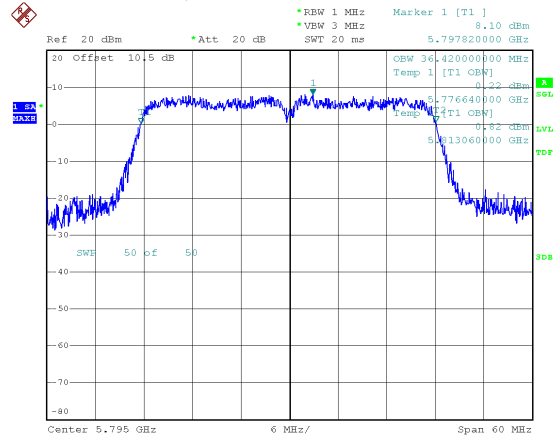


99% Bandwidth

Modulation Type: 802.11ac VHT40 CH151



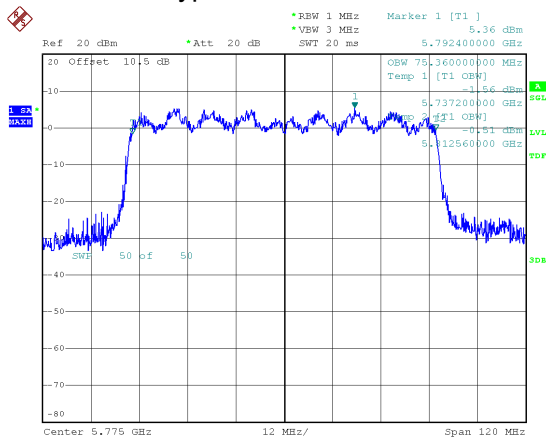
Modulation Type: 802.11ac VHT40 CH159



Date: 24.SEP.2024 16:41:31

Date: 24.SEP.2024 16:44:10

Modulation Type: 802.11ac VHT80 CH155



Date: 24.SEP.2024 17:06:14

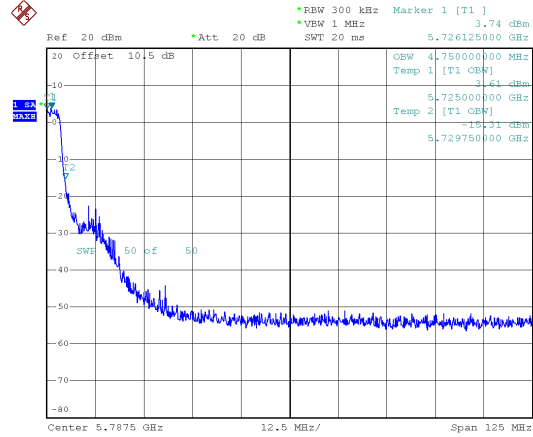
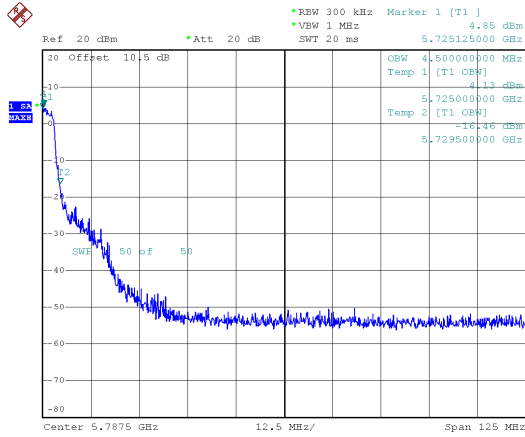


99% Bandwidth

Extends across 5725MHz Band, Straddle Channel

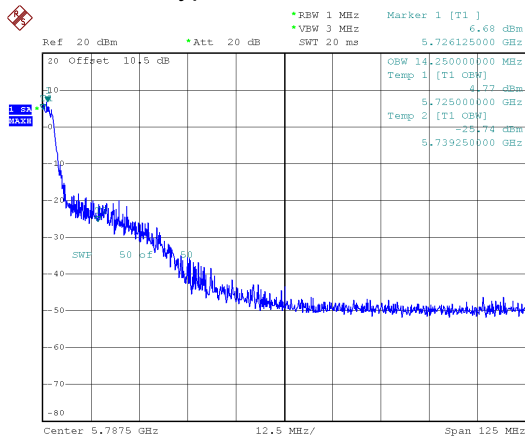
Modulation Type: 802.11a CH144

Modulation Type: 802.11ac VHT20 CH144



Date: 24.SEP.2024 15:22:52

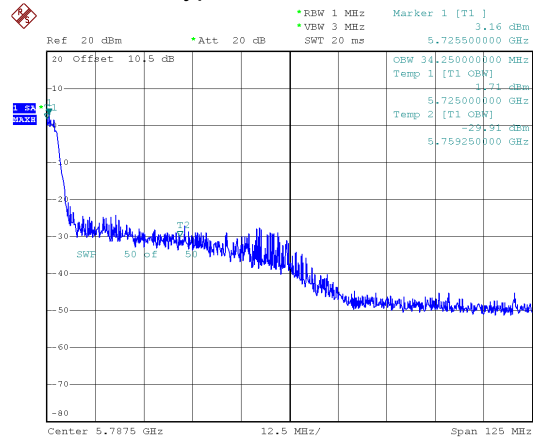
Modulation Type: 802.11ac VHT40 CH142



Date: 24.SEP.2024 16:38:19

Date: 24.SEP.2024 16:05:51

Modulation Type: 802.11ac VHT80 CH138



Date: 24.SEP.2024 17:02:21



9. 26dB Bandwidth & 99% Occupied Bandwidth

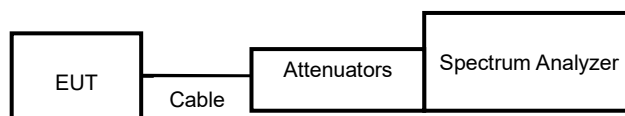
9.1. Test Limit

None; for reporting purposes only.

9.2. Test Procedure

Reference to 789033 D02 General UNII Test Procedures New Rules v01: The transmitter output is connected to a spectrum analyzer with the RBW = approximately 1% of the emission bandwidth, the VBW $\geq 3 \times$ RBW, peak detector and max hold.

9.3. Test Setup Layout



9.4. Test Result and Data

For 24090226

In the 5.2G Band

Mode	Channel	Frequency (MHz)	26dB Bandwidth(MHz)
11a	36	5180	22.95
11a	40	5200	23.25
11a	48	5240	21.65
11ac VHT20	36	5180	22.05
11ac VHT20	40	5200	23.1
11ac VHT20	48	5240	22.5
11ac VHT40	38	5190	46.5
11ac VHT40	46	5230	54.2
11ac VHT80	42	5210	82.24



In the 5.3G Band

Mode	Channel	Frequency (MHz)	26dB Bandwidth(MHz)
11a	52	5260	22.4
11a	60	5300	22.9
11a	64	5320	21.45
11ac VHT20	52	5260	22.9
11ac VHT20	60	5300	22.8
11ac VHT20	64	5320	23.55
11ac VHT40	54	5270	52.4
11ac VHT40	62	5310	43.4
11ac VHT80	58	5290	81.6

In the 5.5G Band

Mode	Channel	Frequency (MHz)	26dB Bandwidth(MHz)
11a	100	5500	23.6
11a	120	5600	26.7
11a	140	5700	21.4
11ac VHT20	100	5500	27.65
11ac VHT20	120	5600	24.05
11ac VHT20	140	5700	23.9
11ac VHT40	102	5510	58.1
11ac VHT40	118	5590	66.9
11ac VHT40	134	5670	47.2
11ac VHT80	106	5530	88.8
11ac VHT80	122	5610	83.68

UNII Emission Bandwidth Result (Within 5470-5725MHz band)			
Modulation Type	Data Rate / MCS	Frequency (MHz)	26dB Bandwidth(MHz)
11a	6 Mbps	5720	15.56
11ac VHT20	NSS1-MCS0	5720	15.56
11ac VHT40	NSS1-MCS0	5710	36.47
11ac VHT80	NSS1-MCS0	5690	76.25



In the 5.2G Band

Mode	Channel	Frequency (MHz)	99% Bandwidth(MHz)
11a	36	5180	16.92
11a	40	5200	16.89
11a	48	5240	16.92
11ac VHT20	36	5180	17.85
11ac VHT20	40	5200	17.82
11ac VHT20	48	5240	17.82
11ac VHT40	38	5190	36.54
11ac VHT40	46	5230	36.66
11ac VHT80	42	5210	75.36

In the 5.3G Band

Mode	Channel	Frequency (MHz)	99% Bandwidth(MHz)
11a	52	5260	16.95
11a	60	5300	16.80
11a	64	5320	16.83
11ac VHT20	52	5260	17.79
11ac VHT20	60	5300	17.85
11ac VHT20	64	5320	17.85
11ac VHT40	54	5270	36.48
11ac VHT40	62	5310	36.36
11ac VHT80	58	5290	75.48



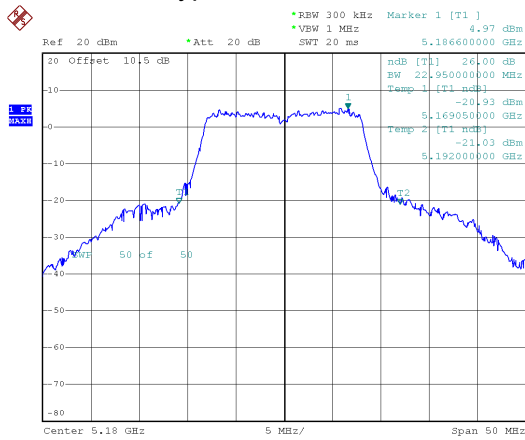
In the 5.5G Band

Mode	Channel	Frequency (MHz)	99% Bandwidth(MHz)
11a	100	5500	16.86
11a	120	5600	17.01
11a	140	5700	16.86
11ac VHT20	100	5500	17.94
11ac VHT20	120	5600	17.94
11ac VHT20	140	5700	17.76
11ac VHT40	102	5510	36.54
11ac VHT40	118	5590	36.78
11ac VHT40	134	5670	36.60
11ac VHT80	106	5530	75.48
11ac VHT80	122	5610	75.48

UNII Emission Bandwidth Result (Within 5470-5725MHz band)			
Modulation Type	Data Rate / MCS	Frequency (MHz)	99% Bandwidth(MHz)
11a	6 Mbps	5720	13.52
11ac VHT20	NSS1-MCS0	5720	14.03
11ac VHT40	NSS1-MCS0	5710	33.41
11ac VHT80	NSS1-MCS0	5690	72.68

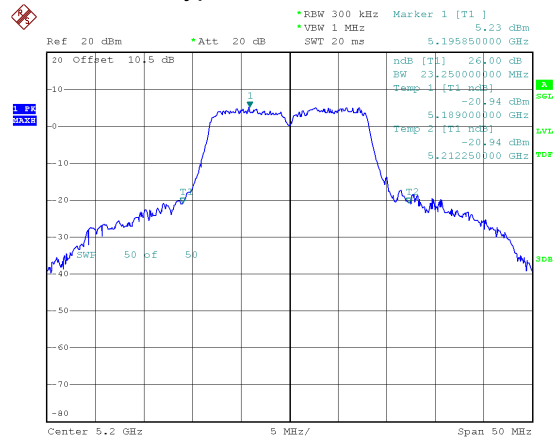


For 24090226
26dB Bandwidth
Modulation Type: 802.11a CH36



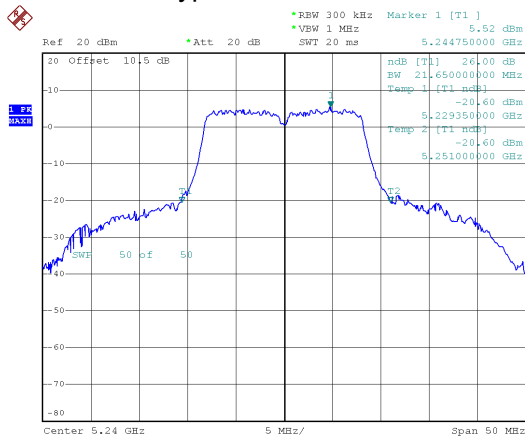
Date: 24.SEP.2024 14:43:40

Modulation Type: 802.11a CH40



Date: 24.SEP.2024 14:46:41

Modulation Type: 802.11a CH48

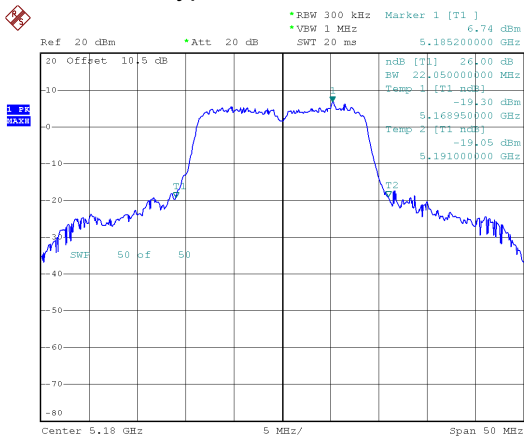


Date: 24.SEP.2024 14:56:59



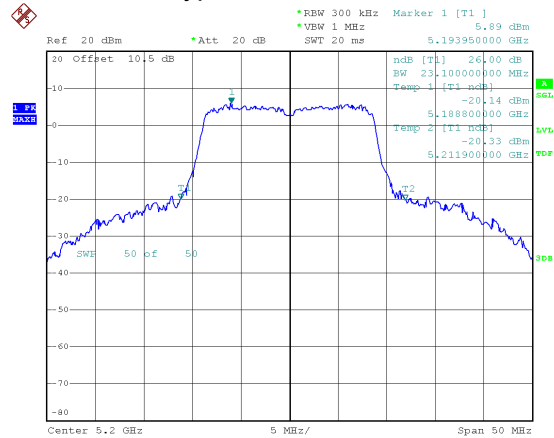
26dB Bandwidth

Modulation Type: 802.11ac VHT20 CH36



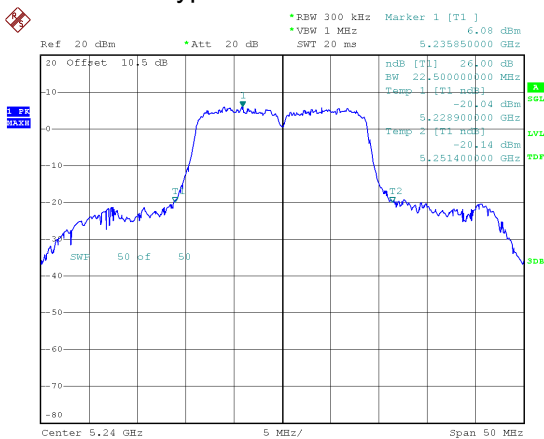
Date: 24.SEP.2024 15:39:09

Modulation Type: 802.11ac VHT20 CH40



Date: 24.SEP.2024 15:40:59

Modulation Type: 802.11ac VHT20 CH48

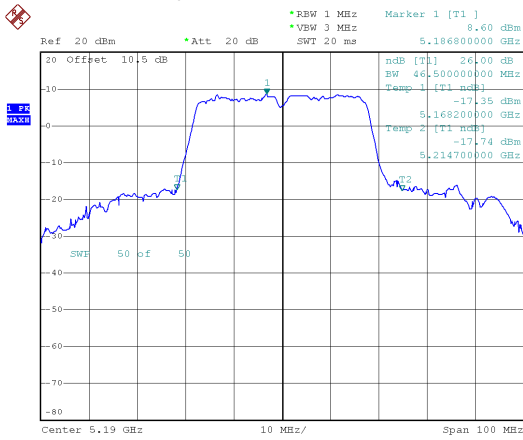


Date: 24.SEP.2024 15:44:09



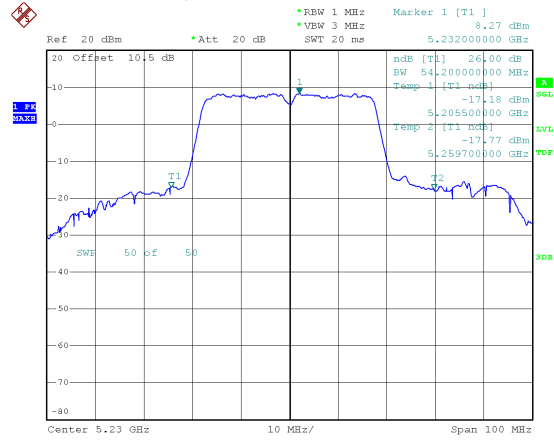
26dB Bandwidth

Modulation Type: 802.11ac VHT40 CH38



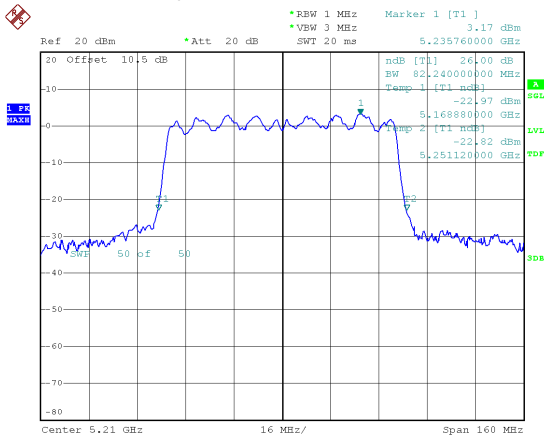
Date: 24.SEP.2024 16:21:17

Modulation Type: 802.11ac VHT40 CH46



Date: 24.SEP.2024 16:24:39

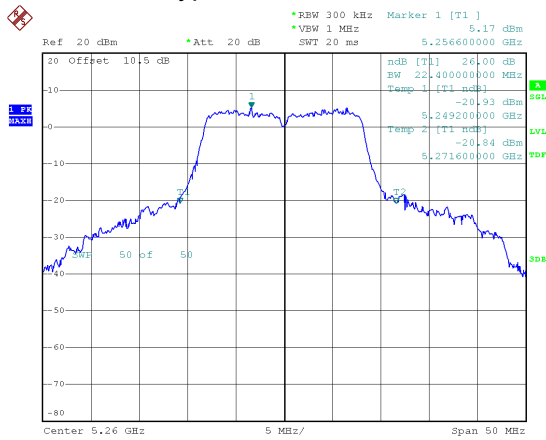
Modulation Type: 802.11ac VHT80 CH42



Date: 24.SEP.2024 16:49:52

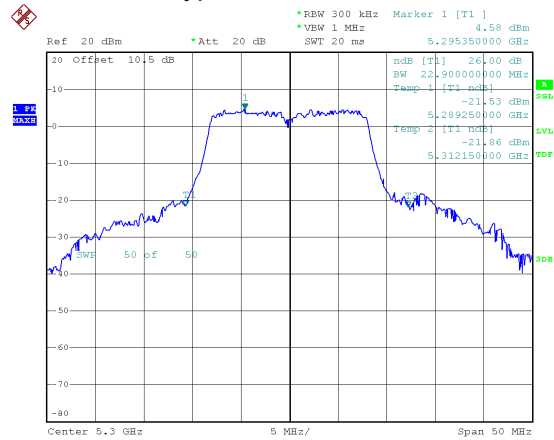


26dB Bandwidth
Modulation Type: 802.11a CH52



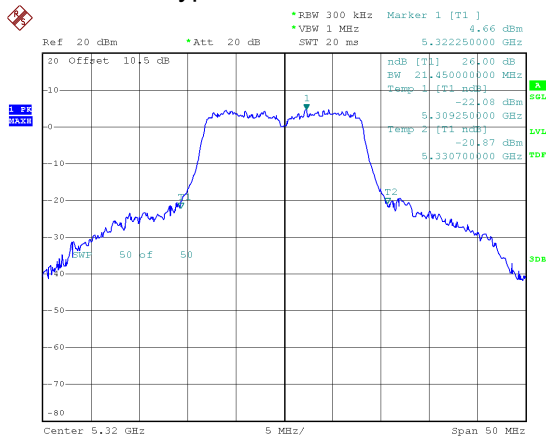
Date: 24.SEP.2024 14:59:32

Modulation Type: 802.11a CH60



Date: 24.SEP.2024 15:03:03

Modulation Type: 802.11a CH64

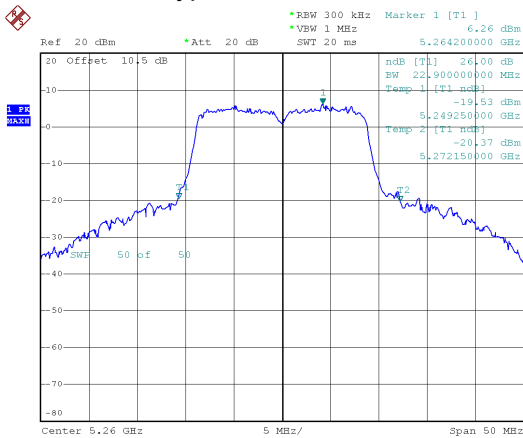


Date: 24.SEP.2024 15:05:42



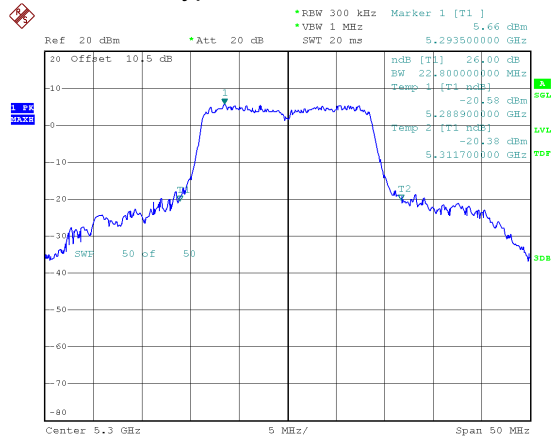
26dB Bandwidth

Modulation Type: 802.11ac VHT20 CH52



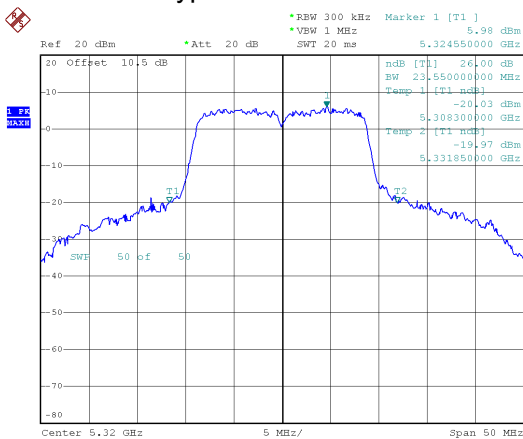
Date: 24.SEP.2024 15:46:15

Modulation Type: 802.11ac VHT20 CH60



Date: 24.SEP.2024 15:48:24

Modulation Type: 802.11ac VHT20 CH64

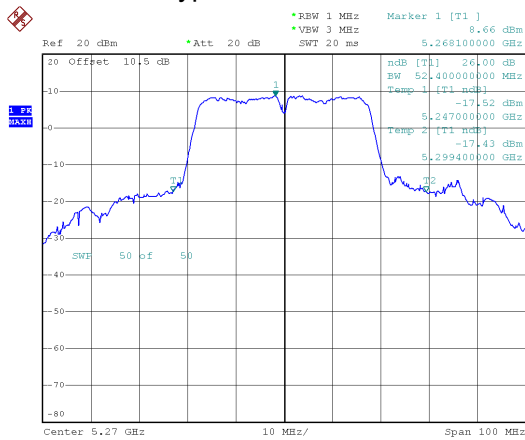


Date: 24.SEP.2024 15:50:53



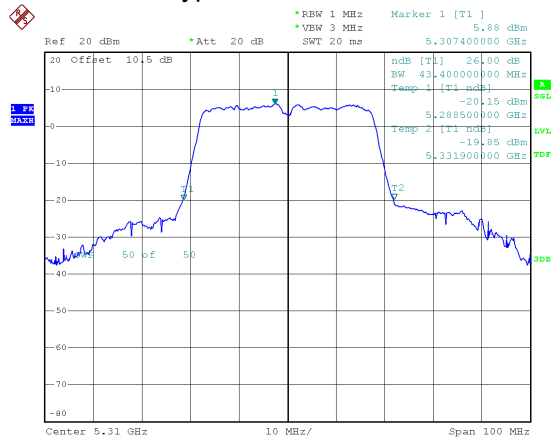
26dB Bandwidth

Modulation Type: 802.11ac VHT40 CH54



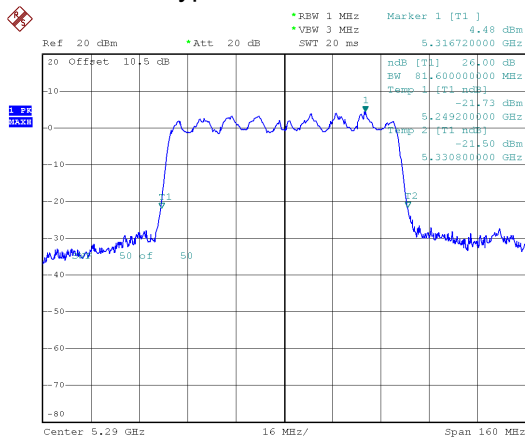
Date: 24.SEP.2024 16:26:32

Modulation Type: 802.11ac VHT40 CH62



Date: 24.SEP.2024 16:28:37

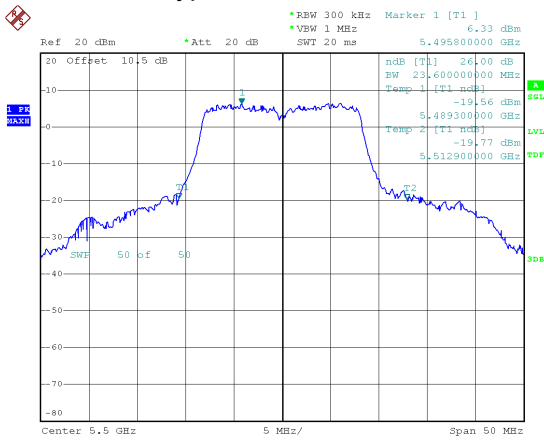
Modulation Type: 802.11ac VHT80 CH58



Date: 24.SEP.2024 16:53:32

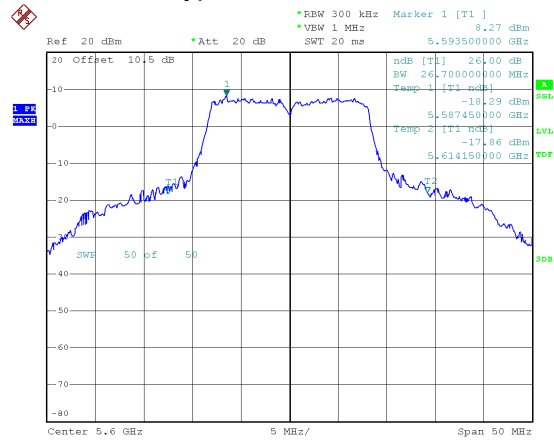


26dB Bandwidth
Modulation Type: 802.11a CH100



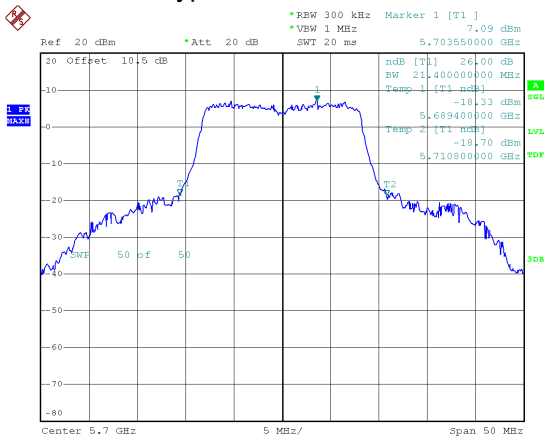
Date: 24.SEP.2024 15:08:08

Modulation Type: 802.11a CH120



Date: 24.SEP.2024 15:17:59

Modulation Type: 802.11a CH140

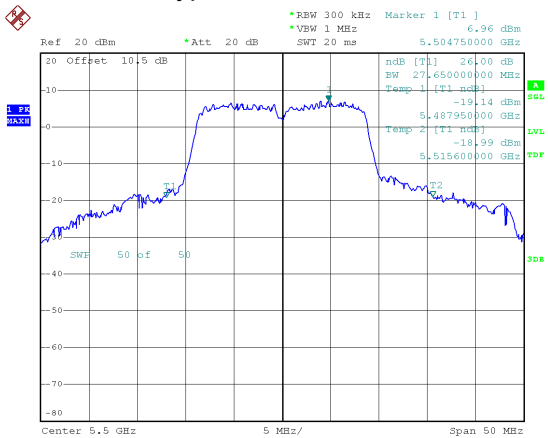


Date: 24.SEP.2024 15:20:03



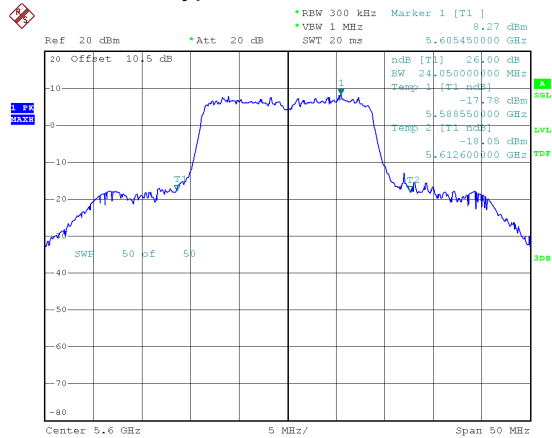
26dB Bandwidth

Modulation Type: 802.11ac VHT20 CH100



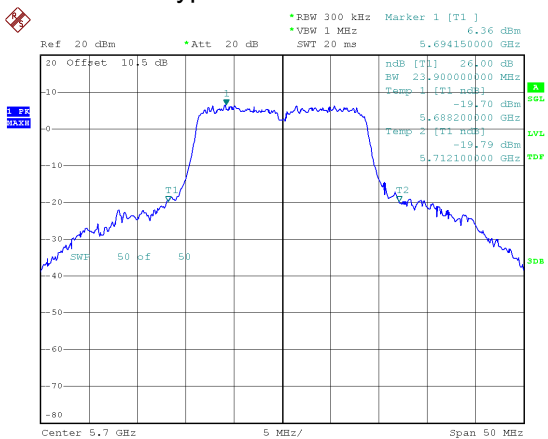
Date: 24.SEP.2024 15:58:21

Modulation Type: 802.11ac VHT20 CH120



Date: 24.SEP.2024 16:00:26

Modulation Type: 802.11ac VHT20 CH140

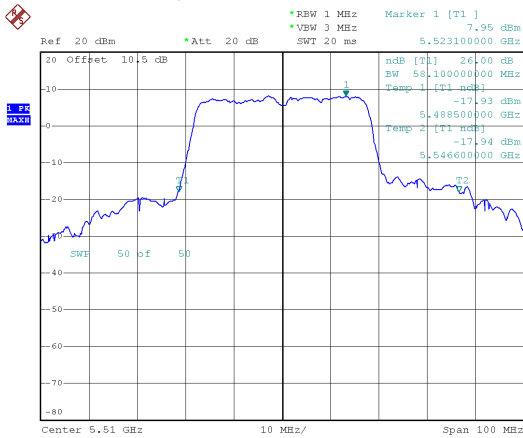


Date: 24.SEP.2024 16:03:06



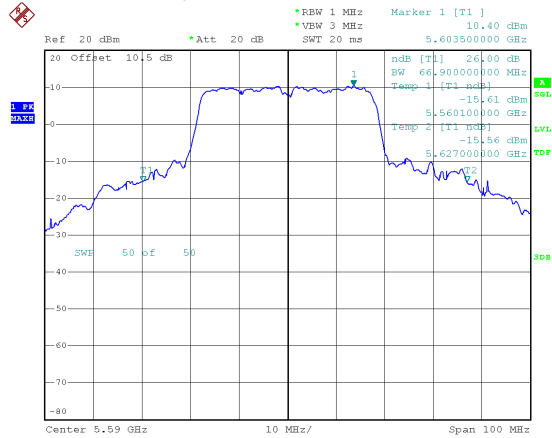
26dB Bandwidth

Modulation Type: 802.11ac VHT40 CH102



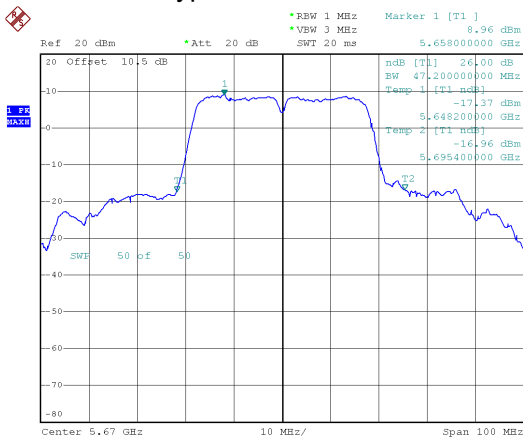
Date: 24.SEP.2024 16:31:15

Modulation Type: 802.11ac VHT40 CH118



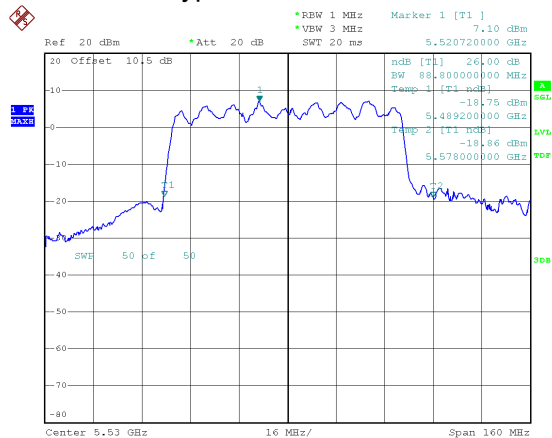
Date: 24.SEP.2024 16:34:27

Modulation Type: 802.11ac VHT40 CH134



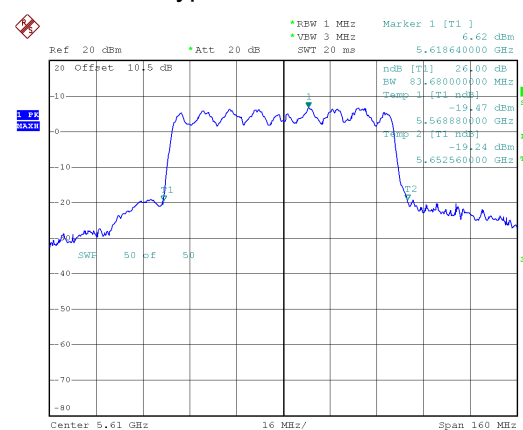
Date: 24.SEP.2024 16:36:16

Modulation Type: 802.11ac VHT80 CH106



Date: 24.SEP.2024 16:58:20

Modulation Type: 802.11ac VHT80 CH122



Date: 24.SEP.2024 17:00:28