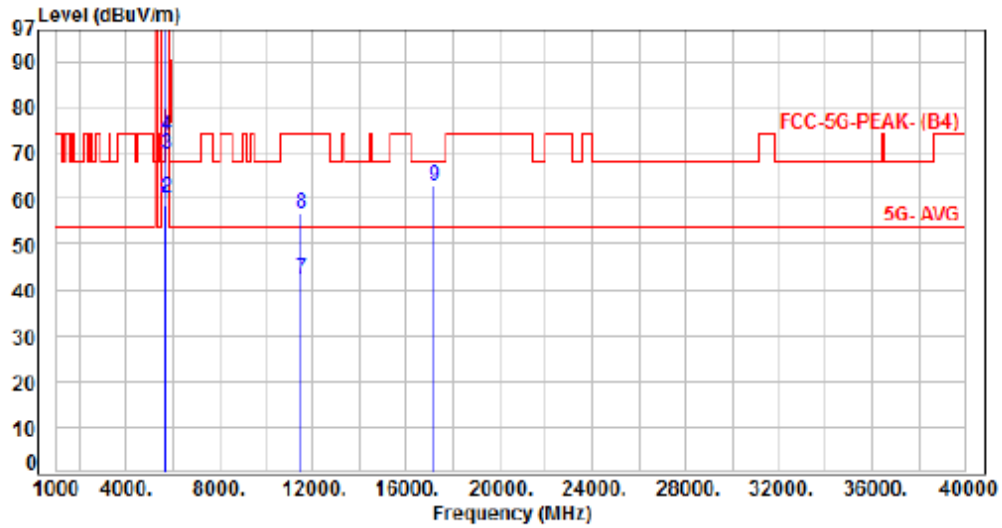




For 22090062-TRFCC04

BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 5, Band 4, CH149		:



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	6.12	52.49	58.61	68.20	-9.59	Peak	200	63	P
2	5700.00	6.56	53.53	60.09	105.20	-45.11	Peak	200	63	P
3	5720.00	6.61	63.10	69.71	110.80	-41.09	Peak	200	63	P
4	5725.00	6.63	67.04	73.67	122.20	-48.53	Peak	200	63	P
5	5745.00	6.68	91.75	98.43	200.00	-101.57	Average	200	63	P
6	5745.00	6.68	104.37	111.05	200.00	-88.95	Peak	200	63	P
7	11490.00	15.21	27.06	42.27	54.00	-11.73	Average	100	321	P
8	11490.00	15.21	41.45	56.66	74.00	-17.34	Peak	100	321	P
9	17235.00	19.91	42.76	62.67	68.20	-5.53	Peak	100	65	P

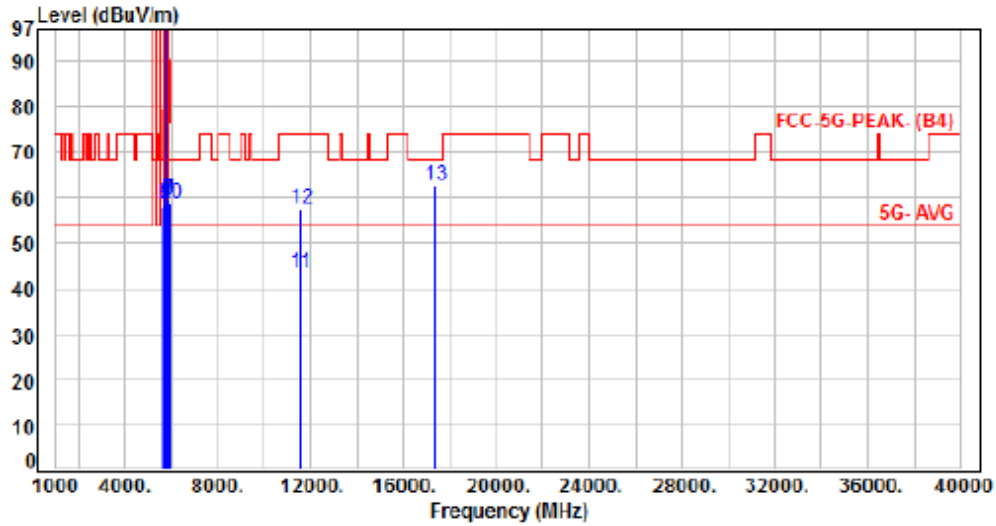
Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor



For 22090062-TRFCC04

BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 5, Band 4, CH157		:



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	6.12	51.96	58.08	68.20	-10.12	Peak	100	306	P
2	5700.00	6.56	51.99	58.55	105.20	-46.65	Peak	100	306	P
3	5720.00	6.61	52.03	58.64	110.80	-52.16	Peak	100	306	P
4	5725.00	6.63	52.46	59.09	122.20	-63.11	Peak	100	306	P
5	5785.00	6.71	89.97	96.68	200.00	-103.32	Average	100	306	P
6	5785.00	6.71	102.39	109.10	200.00	-90.90	Peak	100	306	P
7	5850.00	6.76	53.09	59.85	122.20	-62.35	Peak	100	306	P
8	5855.00	6.77	52.86	59.63	110.80	-51.17	Peak	100	306	P
9	5875.00	6.78	52.43	59.21	105.20	-45.99	Peak	100	306	P
10	5925.00	6.82	51.96	58.78	68.20	-9.42	Peak	100	306	P
11	11570.00	15.21	28.21	43.42	54.00	-10.58	Average	100	63	P
12	11570.00	15.21	42.20	57.41	74.00	-16.59	Peak	100	63	P
13	17355.00	20.13	42.62	62.75	68.20	-5.45	Peak	100	349	P

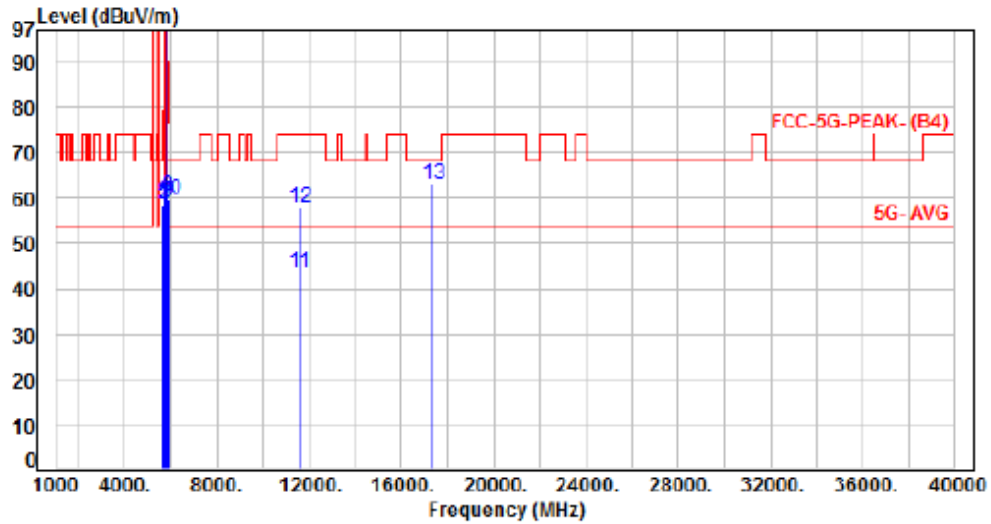
Note: Level=Reading+Factor
 Margin=Level-Limit
 Factor=Antenna Factor + cable loss - Amplifier Factor



For 22090062-TRFCC04

BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 5, Band 4, CH157		



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	6.12	52.03	58.15	68.20	-10.05	Peak	219	66	P
2	5700.00	6.56	52.09	58.65	105.20	-46.55	Peak	219	66	P
3	5720.00	6.61	52.21	58.82	110.80	-51.98	Peak	219	66	P
4	5725.00	6.63	53.78	60.41	122.20	-61.79	Peak	219	66	P
5	5785.00	6.71	91.76	98.47	200.00	-101.53	Average	219	66	P
6	5785.00	6.71	104.83	111.54	200.00	-88.46	Peak	219	66	P
7	5850.00	6.76	52.54	59.30	122.20	-62.90	Peak	219	66	P
8	5855.00	6.77	53.54	60.31	110.80	-50.49	Peak	219	66	P
9	5875.00	6.78	52.41	59.19	105.20	-46.01	Peak	219	66	P
10	5925.00	6.82	52.80	59.62	68.20	-8.58	Peak	219	66	P
11	11570.00	15.21	28.17	43.38	54.00	-10.62	Average	100	89	P
12	11570.00	15.21	42.68	57.89	74.00	-16.11	Peak	100	89	P
13	17355.00	20.13	42.95	63.08	68.20	-5.12	Peak	100	286	P

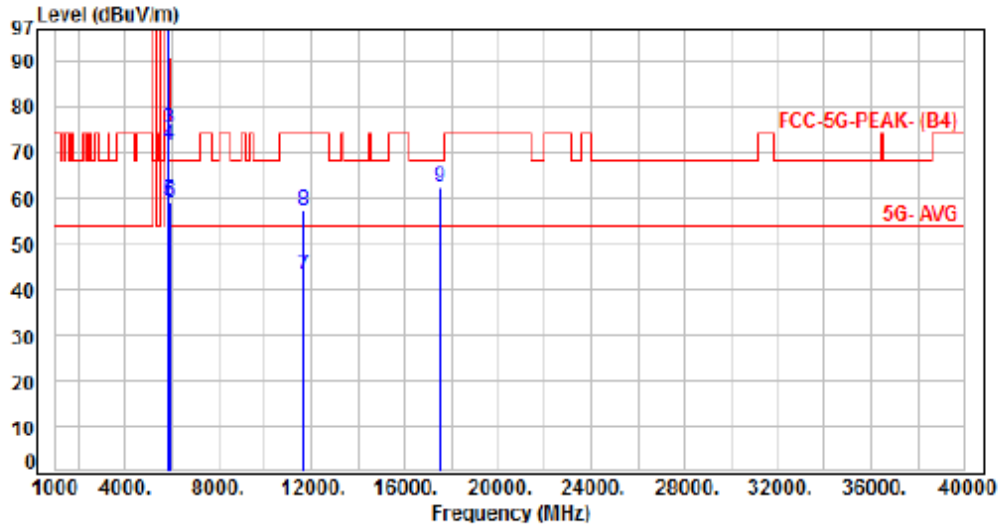
Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor



For 22090062-TRFCC04

BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 5, Band 4, CH165		



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	6.74	89.34	96.08	200.00	-103.92	Average	100	306	P
2	5825.00	6.74	102.22	108.96	200.00	-91.04	Peak	100	306	P
3	5850.00	6.76	68.39	75.15	122.20	-47.05	Peak	100	306	P
4	5855.00	6.77	64.88	71.65	110.80	-39.15	Peak	100	306	P
5	5875.00	6.78	52.60	59.38	105.20	-45.82	Peak	100	306	P
6	5925.00	6.82	52.30	59.12	68.20	-9.08	Peak	100	306	P
7	11650.00	15.14	28.04	43.18	54.00	-10.82	Average	100	106	P
8	11650.00	15.14	42.04	57.18	74.00	-16.82	Peak	100	106	P
9	17475.00	20.35	42.09	62.44	68.20	-5.76	Peak	100	277	P

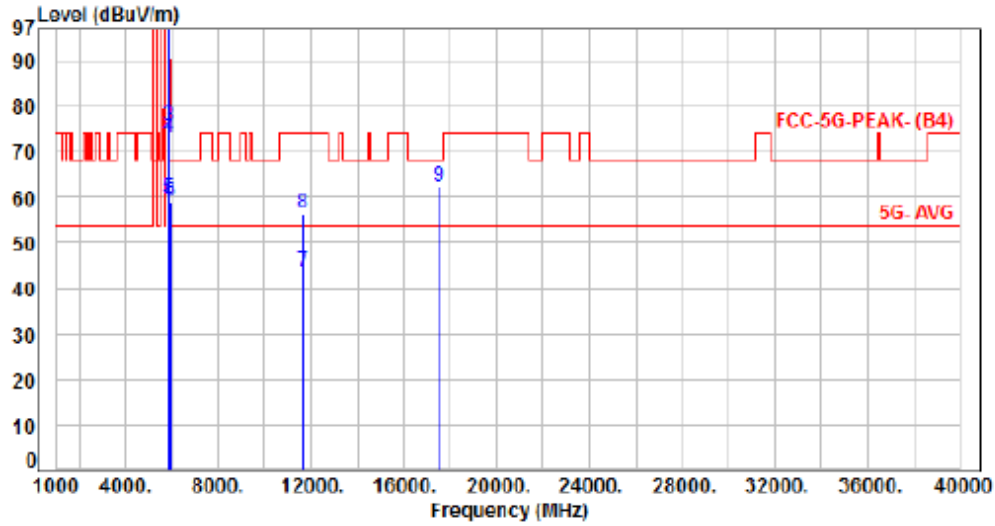
Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor



For 22090062-TRFCC04

BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 5, Band 4, CH165		



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	6.74	91.33	98.07	200.00	-101.93	Average	321	285	P
2	5825.00	6.74	104.02	110.76	200.00	-89.24	Peak	321	285	P
3	5850.00	6.76	68.85	75.61	122.20	-46.59	Peak	321	285	P
4	5855.00	6.77	66.43	73.20	110.80	-37.60	Peak	321	285	P
5	5875.00	6.78	53.09	59.87	105.20	-45.33	Peak	321	285	P
6	5925.00	6.82	52.27	59.09	68.20	-9.11	Peak	321	285	P
7	11650.00	15.14	28.25	43.39	54.00	-10.61	Average	100	49	P
8	11650.00	15.14	41.46	56.60	74.00	-17.40	Peak	100	49	P
9	17475.00	20.35	42.00	62.35	68.20	-5.85	Peak	100	333	P

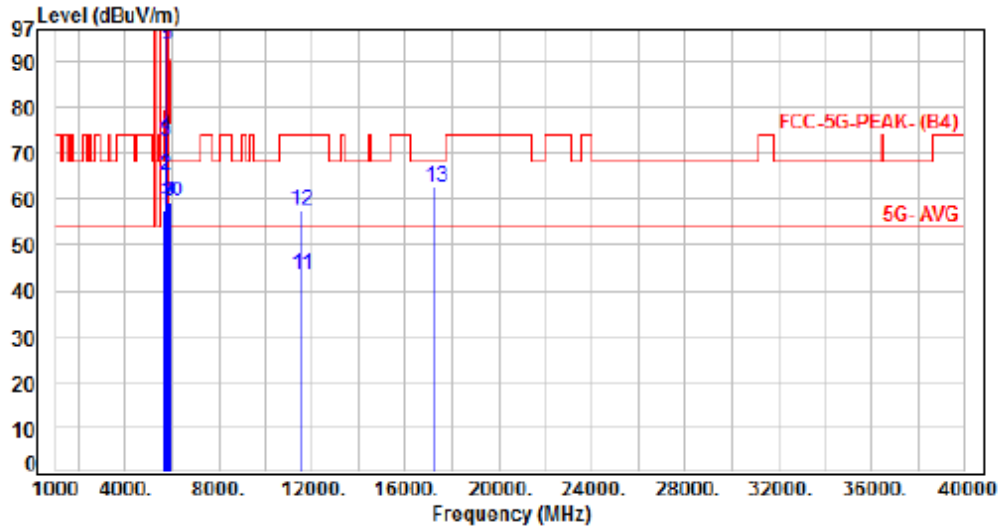
Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor



For 22090062-TRFCC04

BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 6, Band 4, CH151		:



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	6.12	51.54	57.66	68.20	-10.54	Peak	235	318	P
2	5700.00	6.56	58.77	65.33	105.20	-39.87	Peak	235	318	P
3	5720.00	6.61	66.17	72.78	110.80	-38.02	Peak	235	318	P
4	5725.00	6.63	67.05	73.68	122.20	-48.52	Peak	235	318	P
5	5755.00	6.69	86.97	93.66	200.00	-106.34	Average	235	318	P
6	5755.00	6.69	103.42	110.11	200.00	-89.89	Peak	235	318	P
7	5850.00	6.76	52.78	59.54	122.20	-62.66	Peak	235	318	P
8	5855.00	6.77	52.66	59.43	110.80	-51.37	Peak	235	318	P
9	5875.00	6.78	52.57	59.35	105.20	-45.85	Peak	235	318	P
10	5925.00	6.82	52.50	59.32	68.20	-8.88	Peak	235	318	P
11	11510.00	15.21	28.18	43.39	54.00	-10.61	Average	100	61	P
12	11510.00	15.21	42.38	57.59	74.00	-16.41	Peak	100	61	P
13	17265.00	19.95	42.65	62.60	68.20	-5.60	Peak	100	329	P

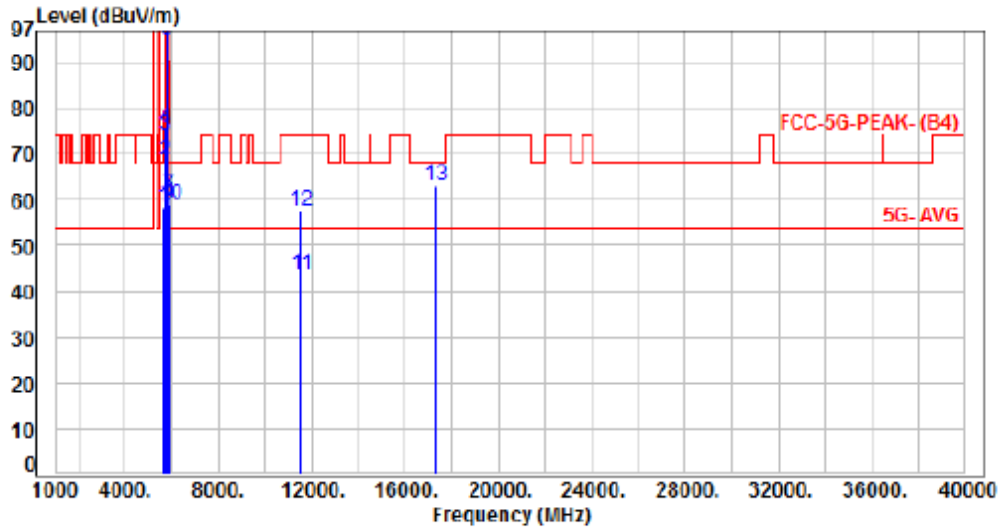
Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor



For 22090062-TRFCC04

BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 6, Band 4, CH151		



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	6.12	51.97	58.09	68.20	-10.11	Peak	109	291	P
2	5700.00	6.56	61.89	68.45	105.20	-36.75	Peak	109	291	P
3	5720.00	6.61	67.42	74.03	110.80	-36.77	Peak	109	291	P
4	5725.00	6.63	69.12	75.75	122.20	-46.45	Peak	109	291	P
5	5755.00	6.69	88.00	94.69	200.00	-105.31	Average	109	291	P
6	5755.00	6.69	100.61	107.30	200.00	-92.70	Peak	109	291	P
7	5850.00	6.76	54.08	60.84	122.20	-61.36	Peak	109	291	P
8	5855.00	6.77	53.16	59.93	110.80	-50.87	Peak	109	291	P
9	5875.00	6.78	52.28	59.06	105.20	-46.14	Peak	109	291	P
10	5925.00	6.82	52.17	58.99	68.20	-9.21	Peak	109	291	P
11	11510.00	15.21	28.26	43.47	54.00	-10.53	Average	100	62	P
12	11510.00	15.21	42.25	57.46	74.00	-16.54	Peak	100	62	P
13	17265.00	19.95	43.18	63.13	68.20	-5.07	Peak	100	287	P

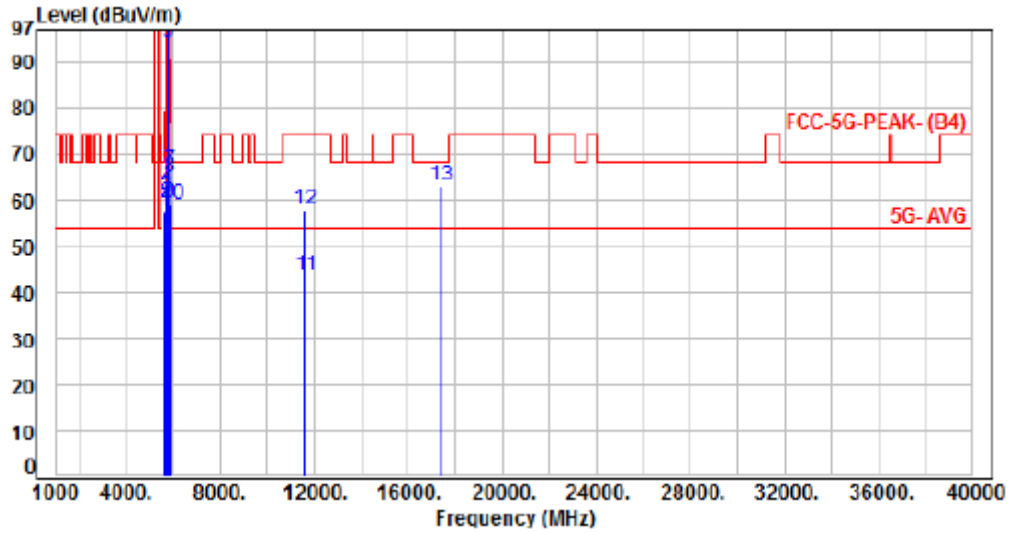
Note: Level=Reading+Factor
 Margin=Level-Limit
 Factor=Antenna Factor + cable loss - Amplifier Factor



For 22090062-TRFCC04

BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 6, Band 4, CH159		:



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	6.12	51.41	57.53	68.20	-10.67	Peak	100	321	P
2	5700.00	6.56	52.74	59.30	105.20	-45.90	Peak	100	321	P
3	5720.00	6.61	54.15	60.76	110.80	-50.04	Peak	100	321	P
4	5725.00	6.63	55.78	62.41	122.20	-59.79	Peak	100	321	P
5	5795.00	6.72	87.42	94.14	200.00	-105.86	Average	100	321	P
6	5795.00	6.72	99.67	106.39	200.00	-93.61	Peak	100	321	P
7	5850.00	6.76	59.56	66.32	122.20	-55.88	Peak	100	321	P
8	5855.00	6.77	58.11	64.88	110.80	-45.92	Peak	100	321	P
9	5875.00	6.78	52.55	59.33	105.20	-45.87	Peak	100	321	P
10	5925.00	6.82	52.33	59.15	68.20	-9.05	Peak	100	321	P
11	11590.00	15.20	28.33	43.53	54.00	-10.47	Average	100	81	P
12	11590.00	15.20	42.58	57.78	74.00	-16.22	Peak	100	81	P
13	17385.00	20.20	42.80	63.00	68.20	-5.20	Peak	100	306	P

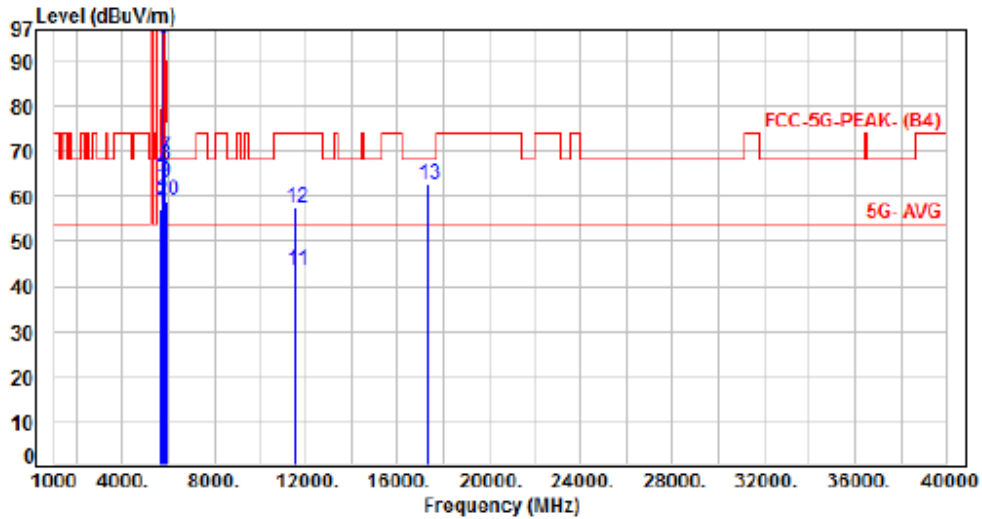
Note: Level=Reading+Factor
 Margin=Level-Limit
 Factor=Antenna Factor + cable loss - Amplifier Factor



For 22090062-TRFCC04

BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 6, Band 4, CH159		



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	6.12	51.18	57.30	68.20	-10.90	Peak	100	286	P
2	5700.00	6.56	52.50	59.06	105.20	-46.14	Peak	100	286	P
3	5720.00	6.61	57.50	64.11	110.80	-46.69	Peak	100	286	P
4	5725.00	6.63	59.16	65.79	122.20	-56.41	Peak	100	286	P
5	5795.00	6.72	88.56	95.28	200.00	-104.72	Average	100	286	P
6	5795.00	6.72	104.94	111.66	200.00	-88.34	Peak	100	286	P
7	5850.00	6.76	61.96	68.72	122.20	-53.48	Peak	100	286	P
8	5855.00	6.77	60.46	67.23	110.80	-43.57	Peak	100	286	P
9	5875.00	6.78	56.14	62.92	105.20	-42.28	Peak	100	286	P
10	5925.00	6.82	52.23	59.05	68.20	-9.15	Peak	100	286	P
11	11590.00	15.20	28.23	43.43	54.00	-10.57	Average	100	194	P
12	11590.00	15.20	42.39	57.59	74.00	-16.41	Peak	100	194	P
13	17385.00	20.20	42.38	62.58	68.20	-5.62	Peak	100	291	P

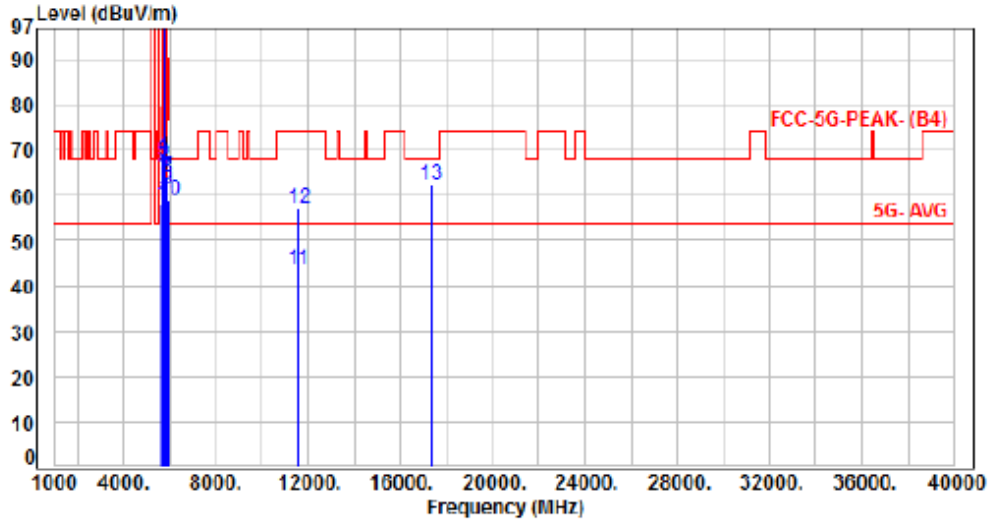
Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor



For 22090062-TRFCC04

BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 7, Band 4, CH155		



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	6.12	51.78	57.90	68.20	-10.30	Peak	100	315	P
2	5700.00	6.56	59.95	66.51	105.20	-38.69	Peak	100	315	P
3	5720.00	6.61	60.73	67.34	110.80	-43.46	Peak	100	315	P
4	5725.00	6.63	62.13	68.76	122.20	-53.44	Peak	100	315	P
5	5775.00	6.70	89.00	95.70	200.00	-104.22	Average	100	315	P
6	5775.00	6.70	98.63	105.33	200.00	-94.67	Peak	100	315	P
7	5850.00	6.76	57.28	64.04	122.20	-58.16	Peak	100	315	P
8	5855.00	6.77	56.92	63.69	110.80	-47.11	Peak	100	315	P
9	5875.00	6.78	54.46	61.24	105.20	-43.96	Peak	100	315	P
10	5925.00	6.82	52.36	59.18	68.20	-9.02	Peak	100	315	P
11	11550.00	15.21	28.33	43.54	54.00	-10.46	Average	100	69	P
12	11550.00	15.21	42.00	57.29	74.00	-16.71	Peak	100	69	P
13	17325.00	20.06	42.31	62.37	68.20	-5.83	Peak	100	290	P

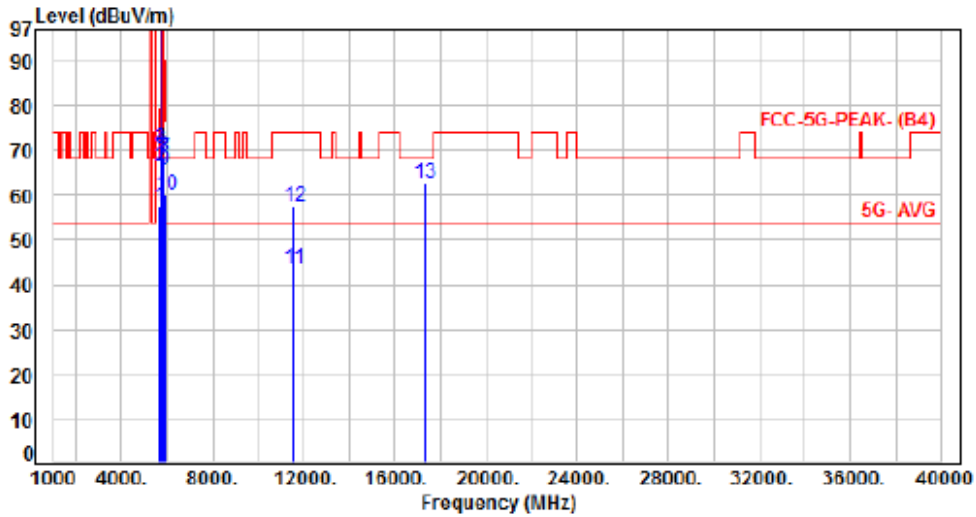
Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor



For 22090062-TRFCC04

BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 7, Band 4, CH155		



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	6.12	51.48	57.60	68.20	-10.60	Peak	107	291	P
2	5700.00	6.56	59.77	66.33	105.20	-38.87	Peak	107	291	P
3	5720.00	6.61	63.93	70.54	110.80	-40.26	Peak	107	291	P
4	5725.00	6.63	63.99	70.62	122.20	-51.58	Peak	107	291	P
5	5775.00	6.70	90.73	97.43	200.00	-102.57	Average	107	291	P
6	5775.00	6.70	99.83	106.53	200.00	-93.47	Peak	107	291	P
7	5850.00	6.76	61.44	68.20	122.20	-54.00	Peak	107	291	P
8	5855.00	6.77	61.75	68.52	110.80	-42.28	Peak	107	291	P
9	5875.00	6.78	58.79	65.57	105.20	-39.63	Peak	107	291	P
10	5925.00	6.82	53.45	60.27	68.20	-7.93	Peak	107	291	P
11	11550.00	15.21	28.47	43.68	54.00	-10.32	Average	100	86	P
12	11550.00	15.21	42.16	57.37	74.00	-16.63	Peak	100	86	P
13	17325.00	20.06	42.53	62.59	68.20	-5.61	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



7. On Time, Duty Cycle and Measurement methods

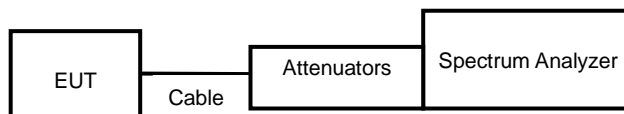
7.1. Test Limit

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 22090062-TRFCC04

Non BeamForming

Modulation Type	On Time (ms)	Period Time (ms)	Duty Cycle (%)
802.11a,6M	1.98	2.09	94.74%
802.11ax HE20	5.48	5.98	91.67%
802.11ax HE40	5.46	5.96	91.55%
802.11ax HE80	5.46	5.95	91.82%

BeamForming

Modulation Type	On Time (ms)	Period Time (ms)	Duty Cycle (%)
802.11ax HE20	7.96	8.20	97.07%
802.11ax HE40	8.02	8.22	97.57%
802.11ax HE80	8.16	8.38	97.37%

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 22090062-TRFCC04
Non BeamForming
Modulation Type: 802.11a (6Mbps)



Modulation Type: 802.11ax HE80 (30.6Mbps)



Modulation Type: 802.11ax HE20 (7.3Mbps)



Modulation Type: 802.11ax HE40 (14.6Mbps)

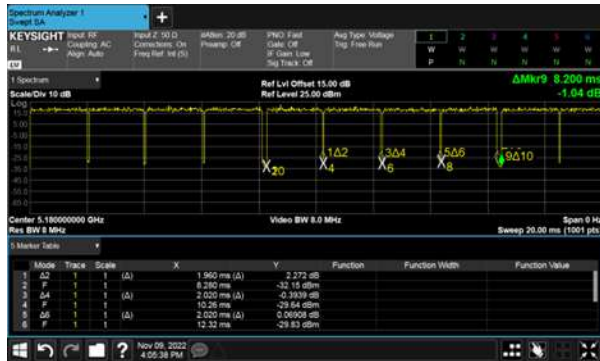




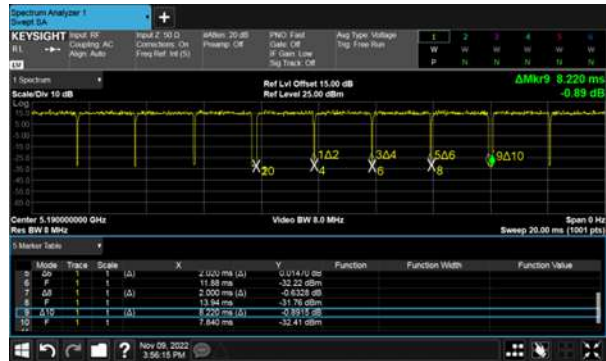
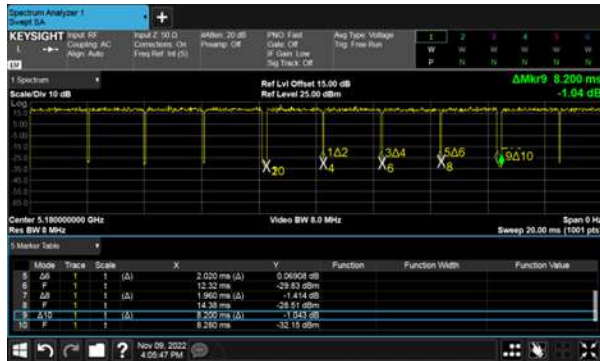
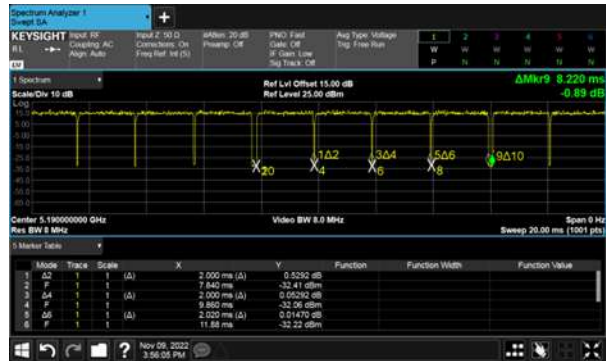
For 22090062-TRFCC04

BeamForming

Modulation Type: 802.11ax HE20 (7.3Mbps)



Modulation Type: 802.11ax HE40 (14.6Mbps)

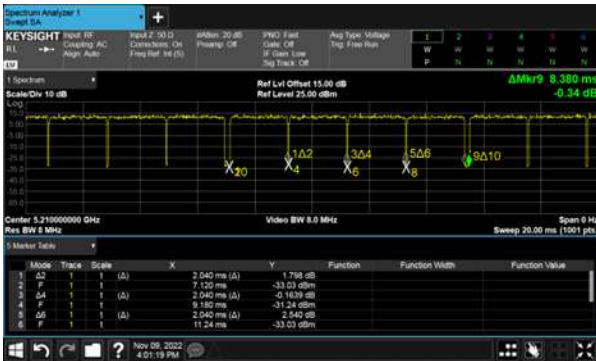




For 22090062-TRFCC04

BeamForming

Modulation Type: 802.11ax HE80 (30.6Mbps)





8. 6dB Bandwidth & 99% Occupied Bandwidth

8.1. Test Limit

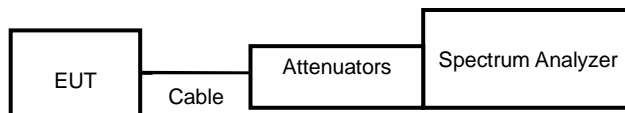
FCC §15.407

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 22090062-TRFCC04

Non BeamForming

In the 5.8G Band

Modulation Type	Channel	Frequency (MHz)	6dB Bandwidth(MHz)		Minimum Limit (MHz)
			ANT 1	ANT 2	
11a	149	5745	15.12	15.12	0.50
11a	157	5785	15.13	15.12	0.50
11a	165	5825	15.11	15.13	0.50
11ax HE20	149	5745	15.87	15.15	0.50
11ax HE20	157	5785	15.46	15.40	0.50
11ax HE20	165	5825	15.38	16.87	0.50
11ax HE40	151	5755	33.83	33.82	0.50
11ax HE40	159	5795	35.98	36.29	0.50
11ax HE80	155	5775	45.05	70.04	0.50

Non BeamForming

In the 5.8G Band

Modulation Type	Channel	Frequency (MHz)	99% Bandwidth(MHz)	
			ANT 1	ANT 2
11a	149	5745	16.57	19.04
11a	157	5785	16.71	19.41
11a	165	5825	17.14	20.29
11ax HE20	149	5745	18.93	19.30
11ax HE20	157	5785	18.98	19.32
11ax HE20	165	5825	19.07	19.48
11ax HE40	151	5755	38.74	38.71
11ax HE40	159	5795	38.16	38.79
11ax HE80	155	5775	77.33	77.91



For 22090062-TRFCC04

BeamForming

In the 5.8G Band

Modulation Type	Channel	Frequency (MHz)	6dB Bandwidth(MHz)		Minimum Limit (MHz)
			ANT 1	ANT 2	
11ax HE20	149	5745	18.59	19.06	0.50
11ax HE20	157	5785	17.37	18.17	0.50
11ax HE20	165	5825	17.69	15.06	0.50
11ax HE40	151	5755	36.41	31.48	0.50
11ax HE40	159	5795	31.28	33.56	0.50
11ax HE80	155	5775	40.11	48.88	0.50

BeamForming

In the 5.8G Band

Modulation Type	Channel	Frequency (MHz)	99% Bandwidth(MHz)	
			ANT 1	ANT 2
11ax HE20	149	5745	19.05	19.09
11ax HE20	157	5785	19.03	19.07
11ax HE20	165	5825	19.13	19.06
11ax HE40	151	5755	38.14	38.33
11ax HE40	159	5795	38.27	38.23
11ax HE80	155	5775	77.08	77.10



For 22090062-TRFCC04

6dB Bandwidth

Non BeamForming

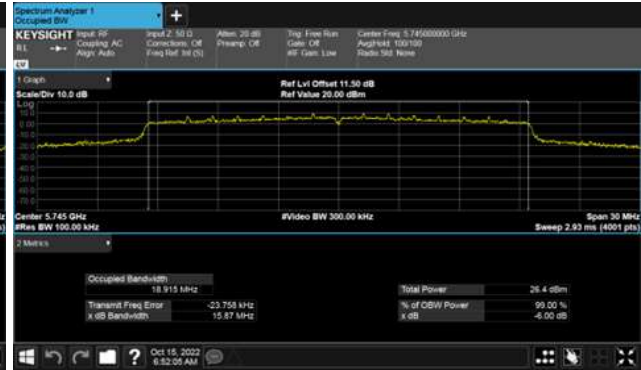
ANT 1

Modulation Type: 802.11a (6Mbps)

CH149

Modulation Type: 802.11ax HE20 (7.3Mbps)

CH149



CH157



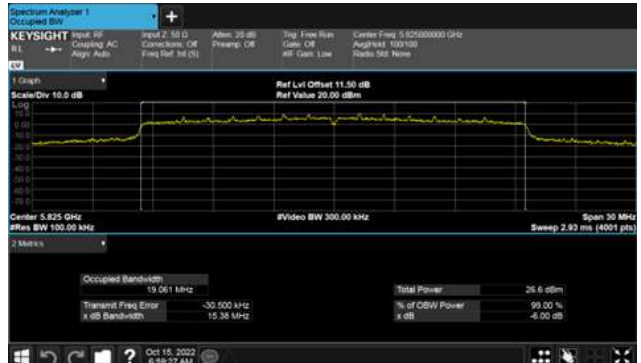
CH157



CH165



CH165





For 22090062-TRFCC04

6dB Bandwidth

Non BeamForming

ANT 1

Modulation Type: 802.11ax HE40 (14.6Mbps)
CH151

Modulation Type: 802.11ax HE80 (30.6Mbps)
CH155



CH159





For 22090062-TRFCC04

6dB Bandwidth

Non BeamForming

ANT 2

Modulation Type: 802.11a (6Mbps)

CH149

Modulation Type: 802.11ax HE20 (7.3Mbps)

CH149



CH157



CH157



CH165



CH165





For 22090062-TRFCC04

6dB Bandwidth

Non BeamForming

ANT 2

Modulation Type: 802.11ax HE40 (14.6Mbps)

CH151

Modulation Type: 802.11ax HE80 (30.6Mbps)

CH155



CH159





For 22090062-TRFCC04
99% Occupied Bandwidth
Non BeamForming

ANT 1

Modulation Type: 802.11a (6Mbps)
CH149

Modulation Type: 802.11ax HE20 (7.3Mbps)
CH149



CH157

CH157



CH165

CH165





For 22090062-TRFCC04
 99% Occupied Bandwidth
 Non BeamForming
 ANT 1
 Modulation Type: 802.11ax HE40 (14.6Mbps)
 CH151

Modulation Type: 802.11ax HE80 (30.6Mbps)
 CH155



CH159





For 22090062-TRFCC04
99% Occupied Bandwidth
Non BeamForming

ANT 2

Modulation Type: 802.11a (6Mbps)
CH149

Modulation Type: 802.11ax HE20 (7.3Mbps)
CH149



CH157

CH157



CH165

CH165





For 22090062-TRFCC04
 99% Occupied Bandwidth
 Non BeamForming
 ANT 2
 Modulation Type: 802.11ax HE40 (14.6Mbps)
 CH151

Modulation Type: 802.11ax HE80 (30.6Mbps)
 CH155



CH159





For 22090062-TRFCC04

6dB Bandwidth

BeamForming

ANT 1

Modulation Type: 802.11ax HE20 (7.3Mbps)

CH149

Modulation Type: 802.11ax HE40 (14.6Mbps)

CH151



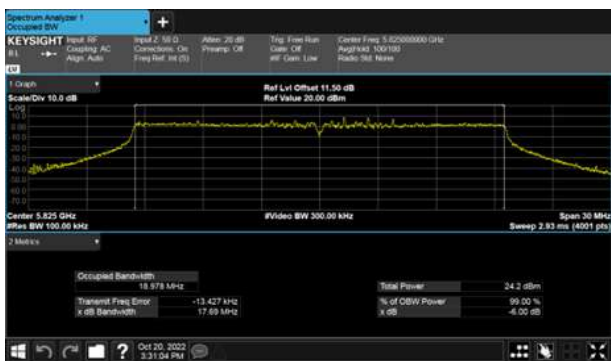
CH157



CH159



CH165





For 22090062-TRFCC04
6dB Bandwidth
BeamForming
ANT 1
Modulation Type: 802.11ax HE80 (30.6Mbps)
CH155





For 22090062-TRFCC04

6dB Bandwidth

BeamForming

ANT 2

Modulation Type: 802.11ax HE20 (7.3Mbps)

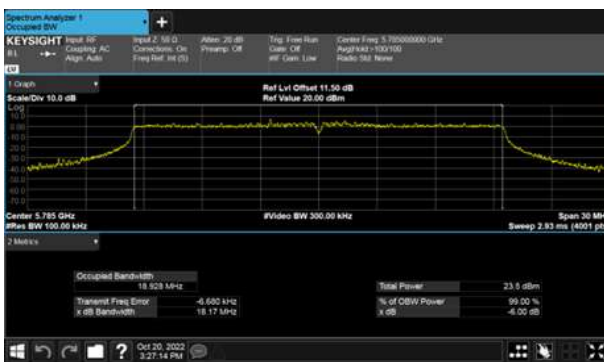
CH149

Modulation Type: 802.11ax HE40 (14.6Mbps)

CH151



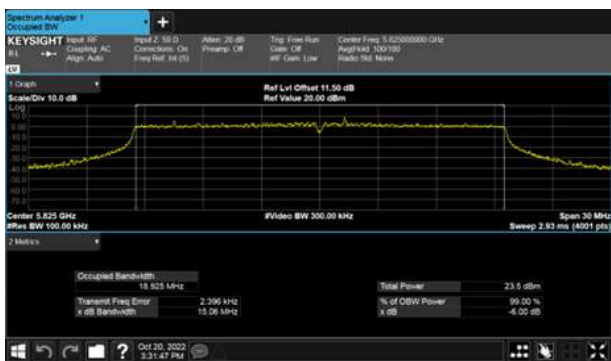
CH157



CH159



CH165





For 22090062-TRFCC04
6dB Bandwidth
BeamForming
ANT 2
Modulation Type: 802.11ax HE80 (30.6Mbps)
CH155





For 22090062-TRFCC04
99% Occupied Bandwidth

BeamForming

ANT 1

Modulation Type: 802.11ax HE20 (7.3Mbps)
CH149

Modulation Type: 802.11ax HE40 (14.6Mbps)
CH151



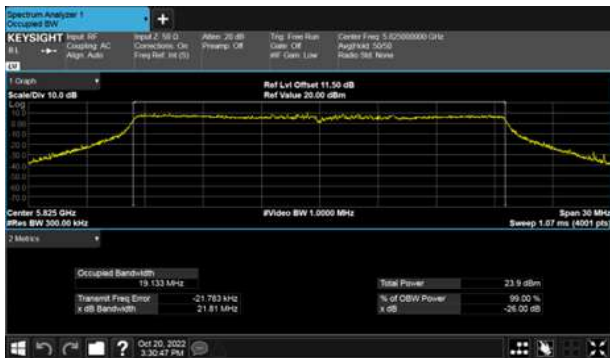
CH157



CH159



CH165





For 22090062-TRFCC04
99% Occupied Bandwidth
BeamForming
ANT 1
Modulation Type: 802.11ax HE80 (30.6Mbps)
CH155





For 22090062-TRFCC04
99% Occupied Bandwidth

BeamForming

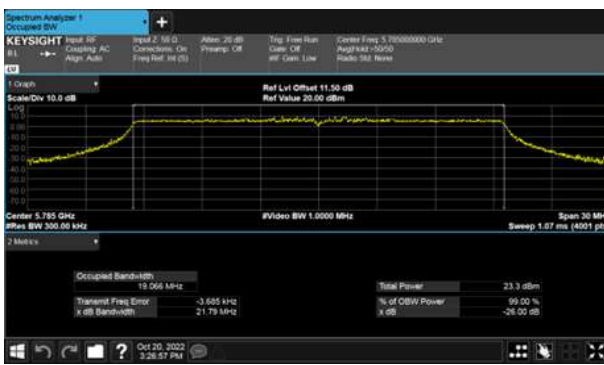
ANT 2

Modulation Type: 802.11ax HE20 (7.3Mbps)
CH149

Modulation Type: 802.11ax HE40 (14.6Mbps)
CH151



CH157



CH159



CH165





For 22090062-TRFCC04
99% Occupied Bandwidth
BeamForming
ANT 2
Modulation Type: 802.11ax HE80 (30.6Mbps)
CH155





9. 26dB Bandwidth & 99% Occupied Bandwidth

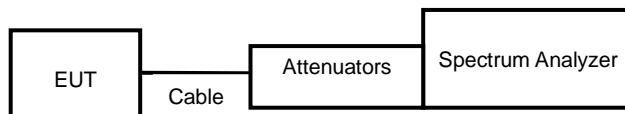
9.1. Test Limit

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 22090062-TRFCC04

Non BeamForming

In the 5.2G Band

Mode	Channel	Frequency (MHz)	26dB Bandwidth(MHz)	
			ANT 1	ANT 2
11a	36	5180	21.24	21.46
11a	40	5200	25.09	25.65
11a	48	5240	25.7	29.49
11ax HE20	36	5180	21.57	22.17
11ax HE20	40	5200	28.95	28.55
11ax HE20	48	5240	26.41	29.91
11ax HE40	38	5190	40.84	41.11
11ax HE40	46	5230	48.16	54.68
11ax HE80	42	5210	81.52	81.57

In the 5.2G Band

Mode	Channel	Frequency (MHz)	99% Bandwidth(MHz)	
			ANT 1	ANT 2
11a	36	5180	16.35	16.38
11a	40	5200	16.48	16.62
11a	48	5240	16.55	17.27
11ax HE20	36	5180	18.85	18.89
11ax HE20	40	5200	19.00	19.06
11ax HE20	48	5240	18.97	19.08
11ax HE40	38	5190	37.61	37.65
11ax HE40	46	5230	37.91	38.02
11ax HE80	42	5210	76.62	76.65



For 22090062-TRFCC04
BeamForming

In the 5.2G Band

Mode	Channel	Frequency (MHz)	26dB Bandwidth(MHz)	
			ANT 1	ANT 2
11ax HE20	36	5180	21.76	22.07
11ax HE20	40	5200	18.8	22.3
11ax HE20	48	5240	22.35	21.67
11ax HE40	38	5190	46.8	42.74
11ax HE40	46	5230	45.23	59.63
11ax HE80	42	5210	81.54	81.55

In the 5.2G Band

Mode	Channel	Frequency (MHz)	99% Bandwidth(MHz)	
			ANT 1	ANT 2
11ax HE20	36	5180	19.05	19.09
11ax HE20	40	5200	16.35	19.17
11ax HE20	48	5240	19.08	19.03
11ax HE40	38	5190	38.07	38.22
11ax HE40	46	5230	38.36	38.56
11ax HE80	42	5210	76.93	77.34



For 22090062-TRFCC04
26dB Bandwidth
Non BeamForming
ANT 1
Modulation Type: 802.11a (6Mbps)
CH36

Modulation Type: 802.11ax HE20 (7.3Mbps)
CH36



CH40



CH40



CH48



CH48





For 22090062-TRFCC04

26dB Bandwidth

Non BeamForming

ANT 1

Modulation Type: 802.11ax HE40 (14.6Mbps)
CH38

Modulation Type: 802.11ax HE80 (30.6Mbps)
CH42



CH46





For 22090062-TRFCC04
 99% Occupied Bandwidth
 Non BeamForming
 ANT 1
 Modulation Type: 802.11a (6Mbps)
 CH36

Modulation Type: 802.11ac VHT20 (6.5Mbps)
 CH36



CH40



CH40



CH48



CH48





For 22090062-TRFCC04

99% Occupied Bandwidth

Non BeamForming

ANT 1

Modulation Type: 802.11ax HE40 (14.6Mbps)
CH38

Modulation Type: 802.11ax HE80 (30.6Mbps)
CH42



CH46





For 22090062-TRFCC04
26dB Bandwidth
Non BeamForming
ANT 2
Modulation Type: 802.11a (6Mbps)
CH36

Modulation Type: 802.11ax HE20 (7.3Mbps)
CH36



CH40



CH40



CH48



CH48





For 22090062-TRFCC04

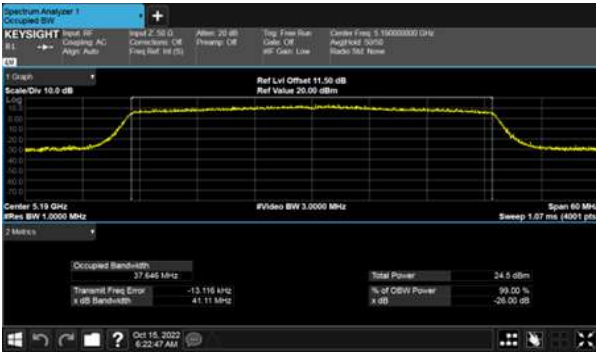
26dB Bandwidth

Non BeamForming

ANT 2

Modulation Type: 802.11ax HE40 (14.6Mbps)
CH38

Modulation Type: 802.11ax HE80 (30.6Mbps)
CH42



CH46





For 22090062-TRFCC04
99% Occupied Bandwidth
Non BeamForming
ANT 2
Modulation Type: 802.11a (6Mbps)
CH36

Modulation Type: 802.11ax HE20 (7.3Mbps)
CH36



CH40



CH40



CH48



CH48





For 22090062-TRFCC04

99% Occupied Bandwidth

Non BeamForming

ANT 2

Modulation Type: 802.11ax HE40 (14.6Mbps)
CH38

Modulation Type: 802.11ax HE80 (30.6Mbps)
CH42



CH46





For 22090062-TRFCC04
26dB Bandwidth
BeamForming
ANT 1
Modulation Type: 802.11ax HE20 (7.3Mbps)
CH36

Modulation Type: 802.11ax HE40 (14.6Mbps)
CH38



CH40



CH46



CH48





For 22090062-TRFCC04

26dB Bandwidth

BeamForming

ANT 1

Modulation Type: 802.11ax HE80 (30.6Mbps)

CH42





For 22090062-TRFCC04
99% Occupied Bandwidth
BeamForming
ANT 1
Modulation Type: 802.11ax HE20 (7.3Mbps)
CH36

Modulation Type: 802.11ax HE40 (14.6Mbps)
CH38



CH40



CH46



CH48





For 22090062-TRFCC04
99% Occupied Bandwidth
BeamForming
ANT 1
Modulation Type: 802.11ax HE80 (30.6Mbps)
CH42





For 22090062-TRFCC04
26dB Bandwidth
BeamForming
ANT 2
Modulation Type: 802.11ax HE20 (7.3Mbps)
CH36

Modulation Type: 802.11ax HE40 (14.6Mbps)
CH38



CH40



CH46



CH48





For 22090062-TRFCC04

26dB Bandwidth

BeamForming

ANT 2

Modulation Type: 802.11ax HE80 (30.6Mbps)

CH42





For 22090062-TRFCC04
99% Occupied Bandwidth
BeamForming
ANT 2
Modulation Type: 802.11ax HE20 (7.3Mbps)
CH36

Modulation Type: 802.11ax HE40 (14.6Mbps)
CH38



CH40



CH46



CH48





For 22090062-TRFCC04
99% Occupied Bandwidth
BeamForming
ANT 2
Modulation Type: 802.11ax HE80 (30.6Mbps)
CH42





10. Average Power

10.1. Test Limit

Output Power:

Frequency Band	Limit
<input checked="" type="checkbox"/> 5.15~5.25GHz	
Operating Mode	
<input type="checkbox"/> Outdoor access point	The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm) provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30degrees as measured from the horizon must not exceed 125 mW (21 dBm).
<input checked="" type="checkbox"/> Indoor access point	The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm) provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
<input type="checkbox"/> Fixed point-to-point access points	The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm). Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi.
<input type="checkbox"/> client devices	The maximum conducted output power over the frequency band of operation shall not exceed 250 mW (24dBm) provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.



Frequency Band	Limit
<input type="checkbox"/> 5.25-5.35 GHz	The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW (24dBm) or 11 dBm 10 log B, where B is the 26 dB emission bandwidth in megahertz. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
<input type="checkbox"/> 5.470-5.725 GHz	
<input checked="" type="checkbox"/> 5.725~5.85 GHz	

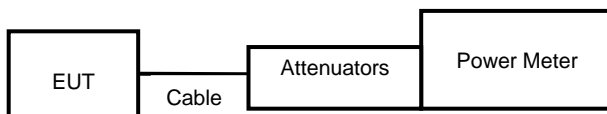
10.2. Test Procedure

According to the methods defined in ANSI C63.10-2013 Section 12.3

The transmitter output is connected to a power meter.

The cable assembly insertion loss of 11.5 dB (including 10 dB pad and 1.5 dB cable) was entered as an offset in the power meter to allow for direct reading of power.

10.3. Test Setup Layout





10.4. Test Result and Data

For 22090062-TRFCC04

Non BeamForming

In the 5.2G Band

Modulation Type	Data Rate	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)		Total power (dBm)	Total power (mW)	FCC Limit (dBm)
				ANT 1	ANT 2			
11a	6 Mbps	36	5180	20.63	20.39	23.52	225.007	30.00
11a	6 Mbps	40	5200	21.55	21.38	24.48	280.294	30.00
11a	6 Mbps	48	5240	21.43	21.46	24.46	278.954	30.00
11ax HE20	NSS1-MCS0	36	5180	20.34	20.13	23.25	211.182	30.00
11ax HE20	NSS1-MCS0	40	5200	20.97	21.20	24.10	256.852	30.00
11ax HE20	NSS1-MCS0	48	5240	21.14	21.19	24.18	261.539	30.00
11ax HE40	NSS1-MCS0	38	5190	18.24	18.11	21.19	131.395	30.00
11ax HE40	NSS1-MCS0	46	5230	21.77	21.71	24.75	298.566	30.00
11ax HE80	NSS1-MCS0	42	5210	17.76	17.42	20.60	114.911	30.00



For 22090062-TRFCC04

Non BeamForming

In the 5.8G Band

Modulation Type	Data Rate	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)		Total power (dBm)	Total power (mW)	FCC Limit (dBm)
				ANT 1	ANT 2			
11a	6 Mbps	149	5745	20.89	21.04	23.98	249.801	30.00
11a	6 Mbps	157	5785	21.01	21.03	24.03	252.948	30.00
11a	6 Mbps	165	5825	21.02	21.25	24.15	259.826	30.00
11ax HE20	NSS1-MCS0	149	5745	20.62	20.75	23.70	234.196	30.00
11ax HE20	NSS1-MCS0	157	5785	20.73	20.80	23.78	238.531	30.00
11ax HE20	NSS1-MCS0	165	5825	20.81	21.01	23.92	246.686	30.00
11ax HE40	NSS1-MCS0	151	5755	21.14	21.24	24.20	263.062	30.00
11ax HE40	NSS1-MCS0	159	5795	21.13	21.21	24.18	261.847	30.00
11ax HE80	NSS1-MCS0	155	5775	20.68	21.01	23.86	243.133	30.00



For 22090062-TRFCC04

BeamForming

In the 5.2G Band

Modulation Type	Data Rate	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)		Total power (dBm)	Total power (mW)	FCC Limit (dBm)
				ANT 1	ANT 2			
11ax HE20	NSS1-MCS0	36	5180	16.31	16.84	19.59	91.062	28.42
11ax HE20	NSS1-MCS0	40	5200	16.58	16.73	19.67	92.597	28.42
11ax HE20	NSS1-MCS0	48	5240	16.25	16.87	19.58	90.810	28.42
11ax HE40	NSS1-MCS0	38	5190	16.72	17.01	19.88	97.224	28.42
11ax HE40	NSS1-MCS0	46	5230	16.50	17.22	19.89	97.391	28.42
11ax HE80	NSS1-MCS0	42	5210	16.88	16.83	19.87	96.948	28.42

BeamForming

In the 5.8G Band

Modulation Type	Data Rate	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)		Total power (dBm)	Total power (mW)	FCC Limit (dBm)
				ANT 1	ANT 2			
11ax HE20	NSS1-MCS0	149	5745	16.20	16.06	19.14	82.051	28.75
11ax HE20	NSS1-MCS0	157	5785	16.03	16.11	19.08	80.919	28.75
11ax HE20	NSS1-MCS0	165	5825	16.41	16.15	19.29	84.962	28.75
11ax HE40	NSS1-MCS0	151	5755	16.12	16.52	19.33	85.801	28.75
11ax HE40	NSS1-MCS0	159	5795	16.36	16.29	19.34	85.811	28.75
11ax HE80	NSS1-MCS0	155	5775	16.23	16.35	19.30	85.128	28.75



11. Power Spectral Density

11.1. Test Limit

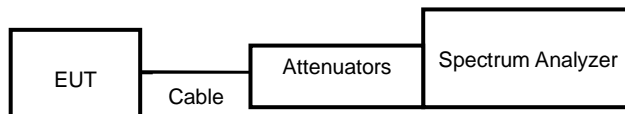
PSD:

Frequency Band		Limit
<input checked="" type="checkbox"/>	5.15~5.25GHz	
	Operating Mode	
<input type="checkbox"/>	Outdoor access point	17 dBm/MHz
<input checked="" type="checkbox"/>	Indoor access point	17 dBm/MHz
<input type="checkbox"/>	Fixed point-to-point access points	17 dBm/MHz
<input type="checkbox"/>	Mobile and portable client devices	11 dBm/MHz
<input type="checkbox"/>	5.725~5.85 GHz	11 dBm/MHz
<input type="checkbox"/>	5.470-5.725 GHz	11 dBm/MHz
<input checked="" type="checkbox"/>	5.725~5.85 GHz	30 dBm/500kHz

11.2. Test Procedure

Reference to KDB789033 D02 General UNII Test Procedures New Rules v02r01

11.3. Test Setup Layout





11.4. Test Result and Data

For 22090062-TRFCC04

Non BeamForming

In the 5.2G Band

Modulation Type	Channel	Frequency (MHz)	Meas PSD (dBm/MHz)		Sum chain (dBm)	Duty Cycle CF(dB)	Total Corr'd PSD (dBm/MHz)	PSD Limit (dBm/MHz)
			ANT 1	ANT 2				
11a	36	5180	7.87	7.86	10.87	0.23	11.10	15.42
11a	40	5200	8.71	8.83	11.78	0.23	12.01	15.42
11a	48	5240	9.16	9.52	12.36	0.23	12.59	15.42
11ax HE20	36	5180	6.96	6.94	9.96	0.38	10.34	15.42
11ax HE20	40	5200	8.27	8.39	11.34	0.38	11.72	15.42
11ax HE20	48	5240	8.24	8.64	11.45	0.38	11.83	15.42
11ax HE40	38	5190	1.85	2.01	4.94	0.38	5.32	15.42
11ax HE40	46	5230	5.63	5.96	8.81	0.38	9.19	15.42
11ax HE80	42	5210	-0.68	-0.56	2.39	0.37	2.76	15.42

In the 5.8G Band

Modulation Type	Channel (MHz)	Frequency (MHz)	Meas PSD (dBm/MHz)		Sum chain (dBm)	Duty Cycle CF(dB)	10log(500KHz/RBW) CF (dB)	Total Corr'd PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)
			ANT 1	ANT 2					
11a	149	5745	8.52	8.44	11.49	0.23	-3.01	8.71	28.75
11a	157	5785	8.48	8.56	11.53	0.23	-3.01	8.75	28.75
11a	165	5825	8.58	8.45	11.53	0.23	-3.01	8.74	28.75
11ax HE20	149	5745	7.45	7.53	10.50	0.38	-3.01	7.87	28.75
11ax HE20	157	5785	7.41	7.62	10.53	0.38	-3.01	7.90	28.75
11ax HE20	165	5825	7.52	7.53	10.53	0.38	-3.01	7.90	28.75
11ax HE40	151	5755	5.45	5.43	8.45	0.38	-3.01	5.82	28.75
11ax HE40	159	5795	5.32	5.48	8.41	0.38	-3.01	5.78	28.75
11ax HE80	155	5775	2.87	2.82	5.86	0.37	-3.01	3.22	28.75



For 22090062-TRFCC04

BeamForming

In the 5.2G Band

Modulation Type	Channel	Frequency (MHz)	Meas PSD (dBm/MHz)		Sum chain (dBm)	Duty Cycle CF(dB)	Total Corr'd PSD (dBm/MHz)	PSD Limit (dBm/MHz)
			ANT 1	ANT 2				
11ax HE20	36	5180	-0.01	0.41	3.21	0.13	3.34	15.42
11ax HE20	40	5200	-0.26	0.57	3.19	0.13	3.32	15.42
11ax HE20	48	5240	-0.33	0.21	2.96	0.13	3.09	15.42
11ax HE40	38	5190	-3.04	-2.30	0.36	0.11	0.47	15.42
11ax HE40	46	5230	-3.17	-2.71	0.08	0.11	0.19	15.42
11ax HE80	42	5210	-5.98	-5.59	-2.77	0.12	-2.65	15.42

BeamForming

In the 5.8G Band

Modulation Type	Channel (MHz)	Frequency (MHz)	Meas PSD (dBm/MHz)		Sum chain (dBm)	Duty Cycle CF(dB)	10log(500KHz/RBW) CF (dB)	Total Corr'd PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)
			ANT 1	ANT 2					
11ax HE20	149	5745	-1.06	-0.07	2.47	0.13	-3.01	-0.41	28.75
11ax HE20	157	5785	-0.98	-0.07	2.51	0.13	-3.01	-0.37	28.75
11ax HE20	165	5825	-0.91	-0.27	2.43	0.13	-3.01	-0.45	28.75
11ax HE40	151	5755	-3.89	-2.99	-0.40	0.11	-3.01	-3.31	28.75
11ax HE40	159	5795	-3.56	-2.86	-0.19	0.11	-3.01	-3.09	28.75
11ax HE80	155	5775	-6.57	-5.96	-3.25	0.12	-3.01	-6.14	28.75



For 22090062-TRFCC04

Non BeamForming

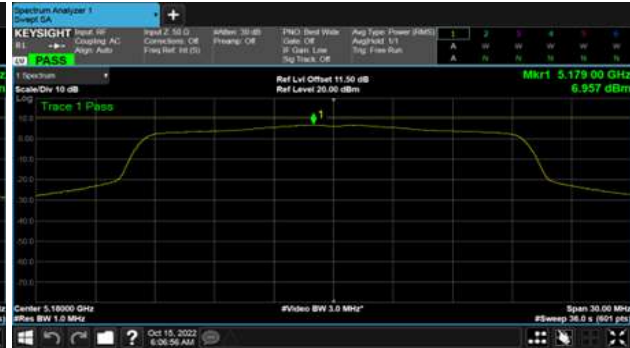
ANT 1

Modulation Type: 802.11a (6Mbps)

CH36

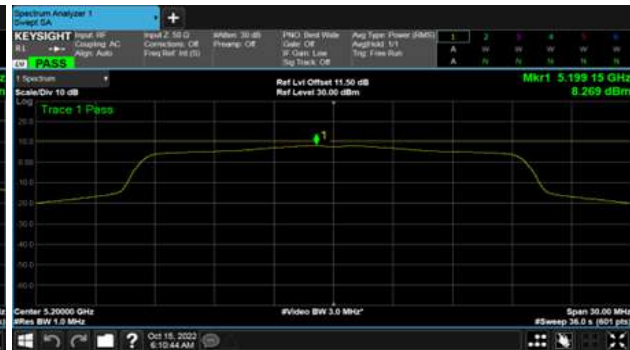
Modulation Type: 802.11ax HE20 (7.3Mbps)

CH36



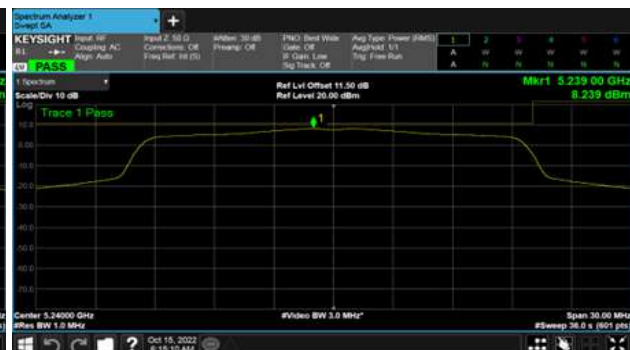
CH40

CH40



CH48

CH48





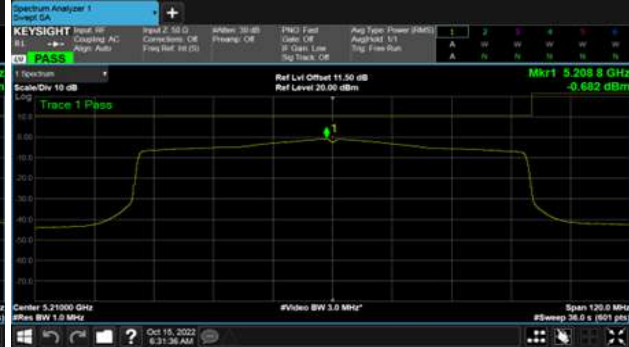
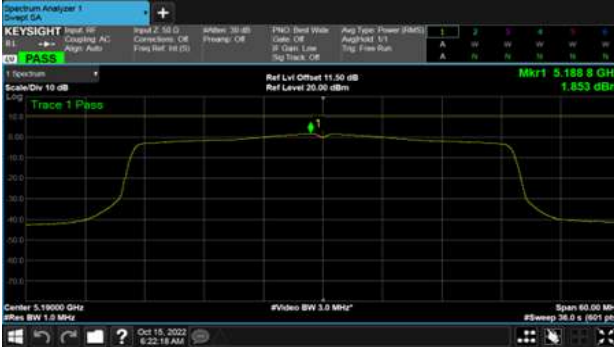
For 22090062-TRFCC04

Non BeamForming

ANT 1

Modulation Type: 8802.11ax HE40 (14.6Mbps)
CH38

Modulation Type: 802.11ax HE80 (30.6Mbps)
CH42



CH46





For 22090062-TRFCC04

Non BeamForming

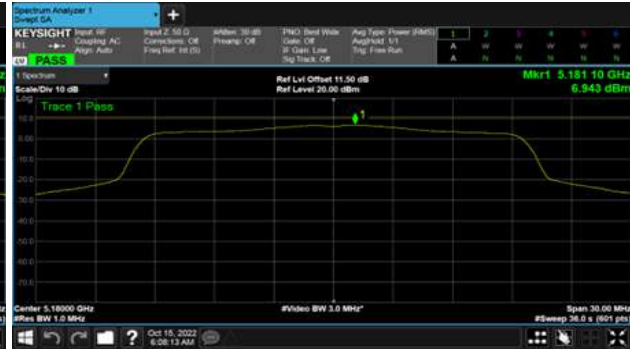
ANT 2

Modulation Type: 802.11a (6Mbps)

CH36

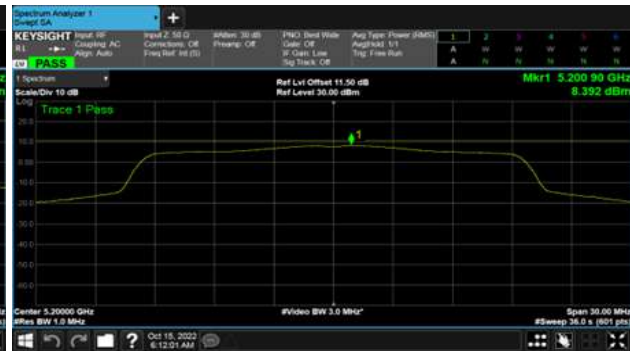
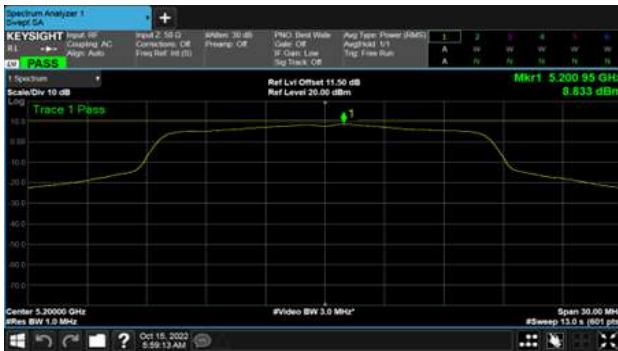
Modulation Type: 802.11ax HE20 (7.3Mbps)

CH36



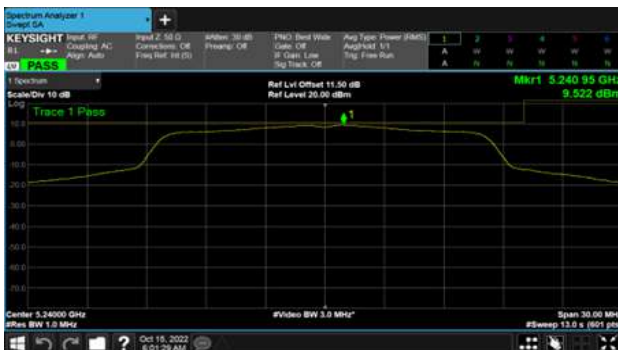
CH40

CH40



CH48

CH48





For 22090062-TRFCC04

Non BeamForming

ANT 2

Modulation Type: 802.11ax HE40 (14.6Mbps)

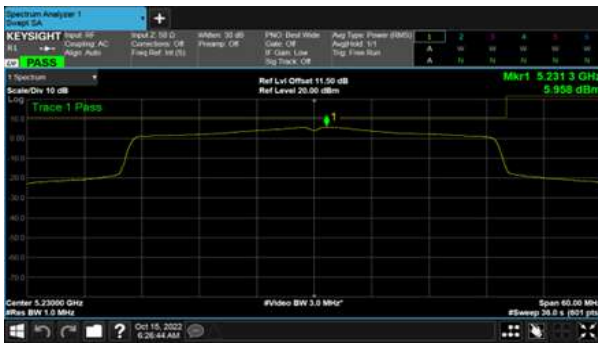
CH38

Modulation Type: 802.11ax HE80 (30.6Mbps)

CH42



CH46





For 22090062-TRFCC04

Non BeamForming

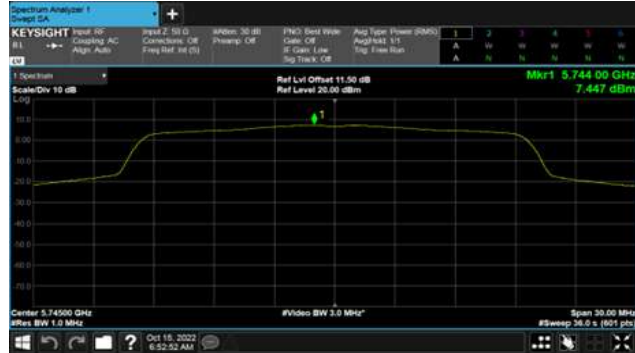
ANT 1

Modulation Type: 802.11a (6Mbps)

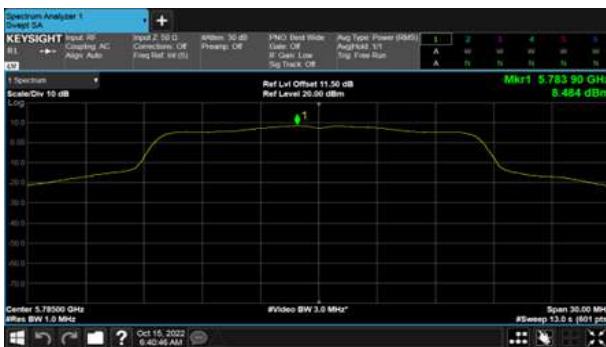
CH149

Modulation Type: 802.11ax HE20 (7.3Mbps)

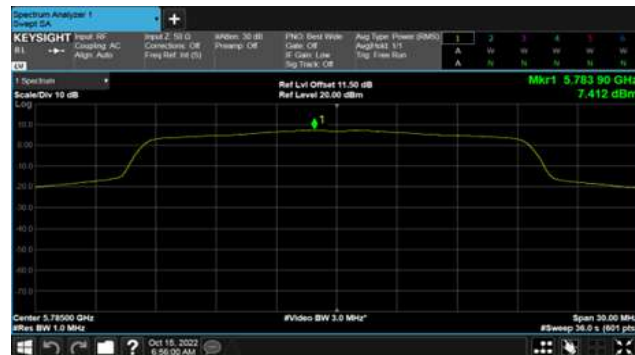
CH149



CH157



CH157



CH165



CH165





For 22090062-TRFCC04

Non BeamForming

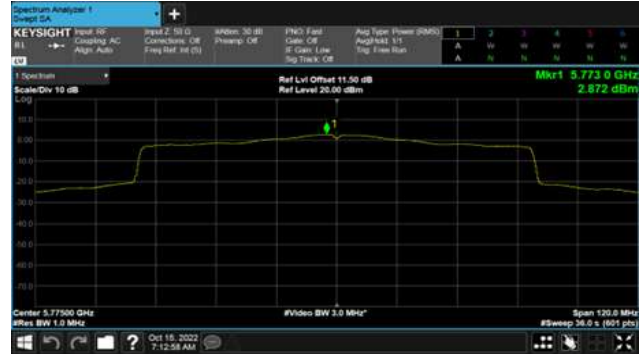
ANT 1

Modulation Type: 802.11ax HE40 (14.6Mbps)

CH151

Modulation Type: 802.11ax HE80 (30.6Mbps)

CH155



CH159





For 22090062-TRFCC04

Non BeamForming

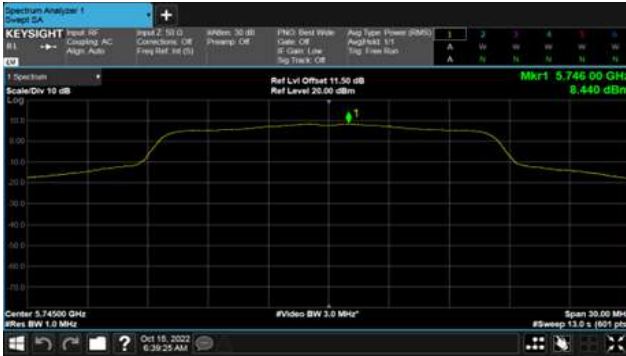
ANT 2

Modulation Type: 802.11a (6Mbps)

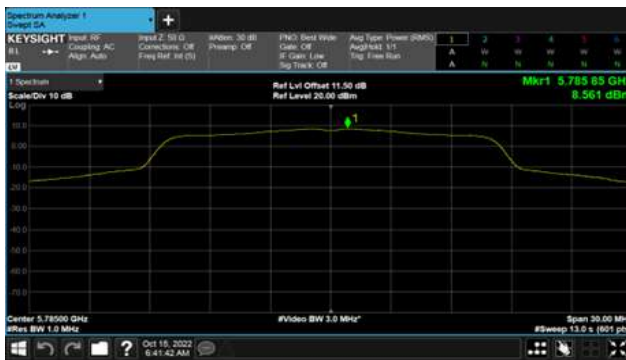
CH149

Modulation Type: 802.11ax HE20 (7.3Mbps)

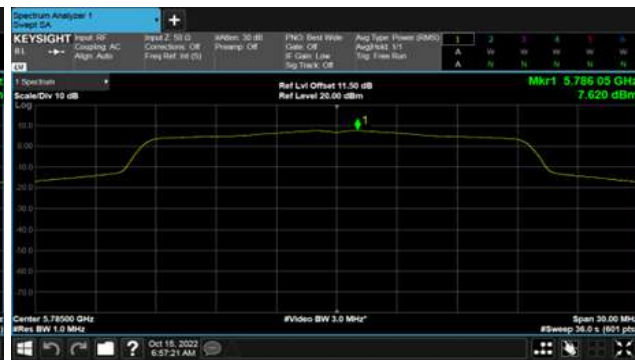
CH149



CH157



CH157



CH165



CH165





For 22090062-TRFCC04

Non BeamForming

ANT 2

Modulation Type: 802.11ax HE40 (14.6Mbps)

CH151

Modulation Type: 802.11ax HE80 (30.6Mbps)

CH155



CH159





For 22090062-TRFCC04

BeamForming

ANT 1

Modulation Type: 802.11ax HE20 (7.3Mbps)

CH36

Modulation Type: 802.11ax HE40 (14.6Mbps)

CH38



CH40



CH46



CH48





For 22090062-TRFCC04

BeamForming

ANT 1

Modulation Type: 802.11ax HE80 (30.6Mbps)

CH42





For 22090062-TRFCC04

BeamForming

ANT 2

Modulation Type: 802.11ax HE20 (7.3Mbps)

CH36

Modulation Type: 802.11ax HE40 (14.6Mbps)

CH38



CH40



CH46



CH48





For 22090062-TRFCC04

BeamForming

ANT 2

Modulation Type: 802.11ax HE80 (30.6Mbps)

CH42





For 22090062-TRFCC04

BeamForming

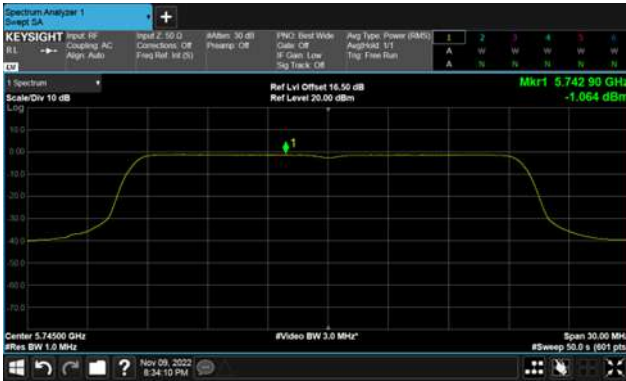
ANT 1

Modulation Type: 802.11ax HE20 (7.3Mbps)

CH149

Modulation Type: 802.11ax HE40 (14.6Mbps)

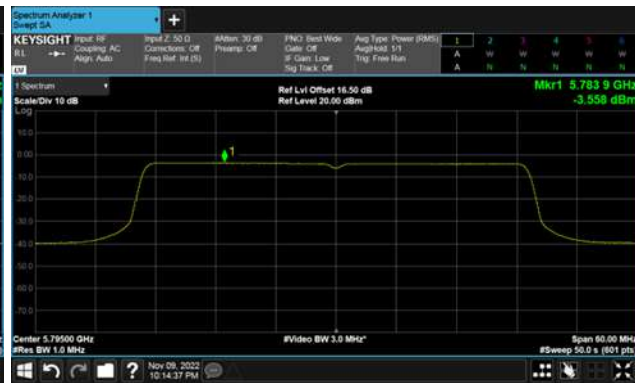
CH151



CH157



CH159



CH165





For 22090062-TRFCC04
BeamForming
ANT 1
Modulation Type: 802.11ax HE80 (30.6Mbps)
CH155





For 22090062-TRFCC04

BeamForming

ANT 2

Modulation Type: 802.11ax HE20 (7.3Mbps)

CH149

Modulation Type: 802.11ax HE40 (14.6Mbps)

CH151



CH157



CH159



CH165





For 22090062-TRFCC04
BeamForming
ANT 2
Modulation Type: 802.11ax HE80 (30.6Mbps)
CH155

