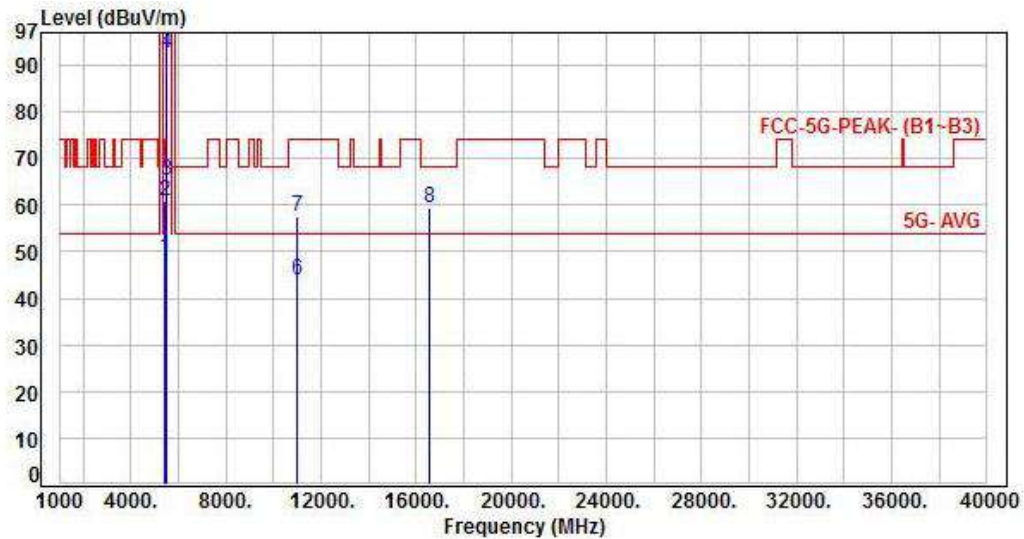




Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 5, Band 3, CH102		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	6.67	42.06	48.73	54.00	-5.27	Average	100	67	P
2	5460.00	6.67	54.18	60.85	74.00	-13.15	Peak	100	67	P
3	5470.00	6.68	58.48	65.16	68.20	-3.04	Peak	100	67	P
4	5510.00	6.71	86.05	92.76	200.00	-107.24	Average	100	67	P
5	5510.00	6.71	95.32	102.03	200.00	-97.97	Peak	100	67	P
6	11020.00	14.31	29.61	43.92	54.00	-10.08	Average	100	226	P
7	11020.00	14.31	43.08	57.39	74.00	-16.61	Peak	100	226	P
8	16530.00	16.84	42.61	59.45	68.20	-8.75	Peak	100	84	P

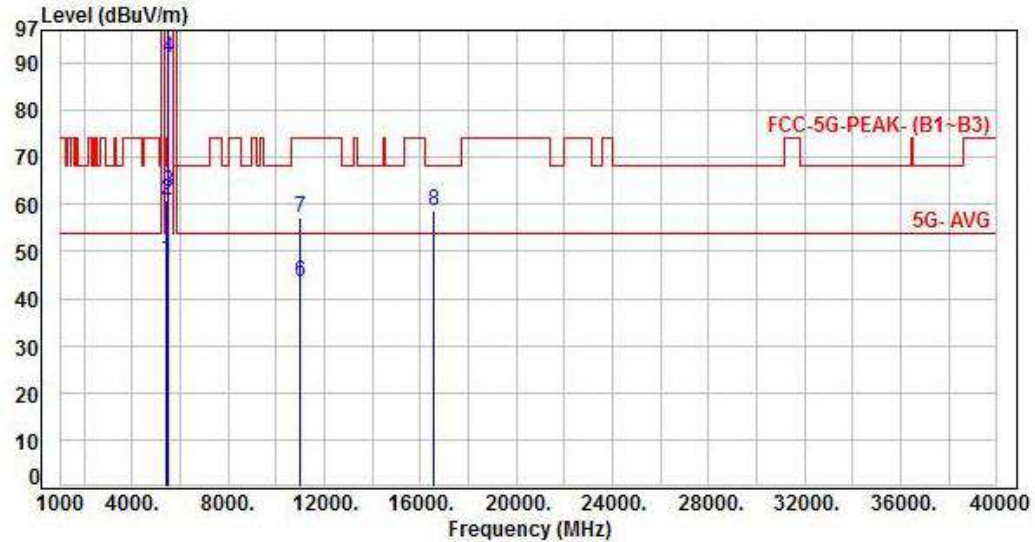
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 5, Band 3, CH102		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	6.67	41.74	48.41	54.00	-5.59	Average	100	15	P
2	5460.00	6.67	54.14	60.81	74.00	-13.19	Peak	100	15	P
3	5470.00	6.68	55.86	62.54	68.20	-5.66	Peak	100	15	P
4	5510.00	6.71	84.34	91.05	200.00	-108.95	Average	100	15	P
5	5510.00	6.71	93.31	100.02	200.00	-99.98	Peak	100	15	P
6	11020.00	14.31	29.30	43.61	54.00	-10.39	Average	100	136	P
7	11020.00	14.31	42.70	57.01	74.00	-16.99	Peak	100	136	P
8	16530.00	16.84	41.93	58.77	68.20	-9.43	Peak	100	299	P

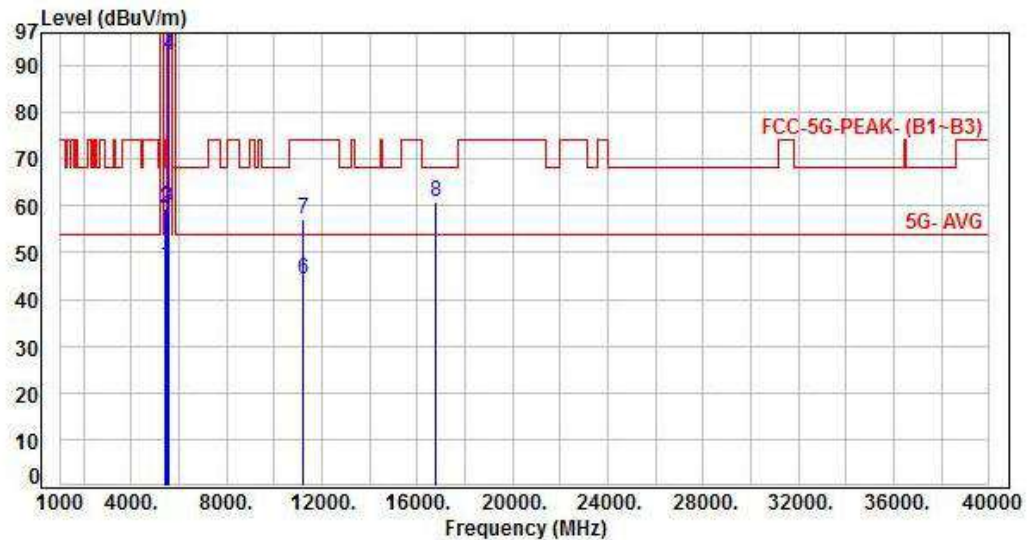
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 5, Band 3, CH118		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	6.67	40.66	47.33	54.00	-6.67	Average	100	70	P
2	5460.00	6.67	52.84	59.51	74.00	-14.49	Peak	100	70	P
3	5470.00	6.68	53.10	59.78	68.20	-8.42	Peak	100	70	P
4	5590.00	6.61	85.65	92.26	200.00	-107.74	Average	100	70	P
5	5590.00	6.61	95.08	101.69	200.00	-98.31	Peak	100	70	P
6	11180.00	14.50	29.73	44.23	54.00	-9.77	Average	100	229	P
7	11180.00	14.50	42.83	57.33	74.00	-16.67	Peak	100	229	P
8	16770.00	18.32	42.40	60.72	68.20	-7.48	Peak	100	80	P

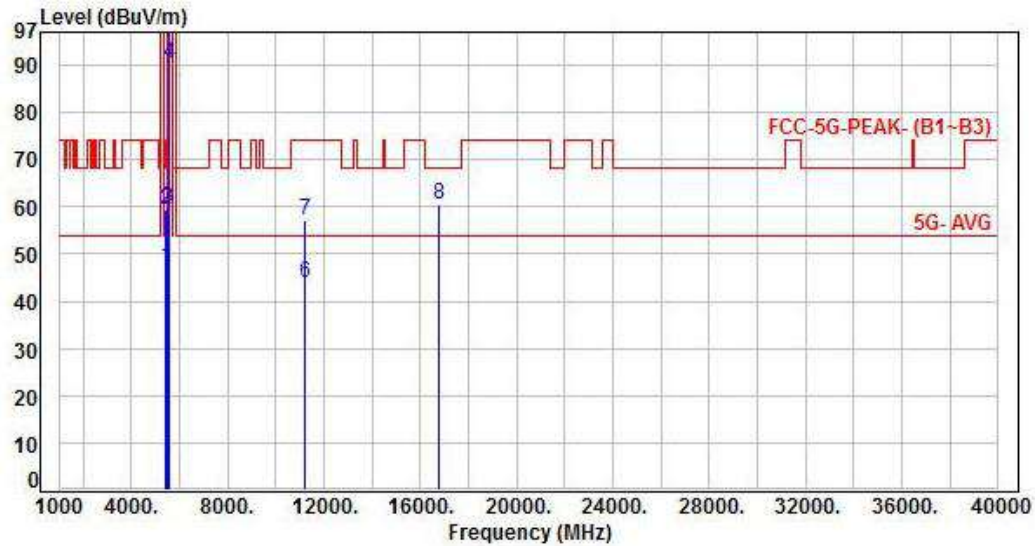
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 5, Band 3, CH118		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	6.67	40.61	47.28	54.00	-6.72	Average	100	20	P
2	5460.00	6.67	52.88	59.55	74.00	-14.45	Peak	100	20	P
3	5470.00	6.68	53.24	59.92	68.20	-8.28	Peak	100	20	P
4	5590.00	6.61	83.60	90.21	200.00	-109.79	Average	100	20	P
5	5590.00	6.61	93.48	100.09	200.00	-99.91	Peak	100	20	P
6	11180.00	14.50	29.39	43.89	54.00	-10.11	Average	100	133	P
7	11180.00	14.50	42.50	57.00	74.00	-17.00	Peak	100	133	P
8	16770.00	18.32	42.26	60.58	68.20	-7.62	Peak	100	303	P

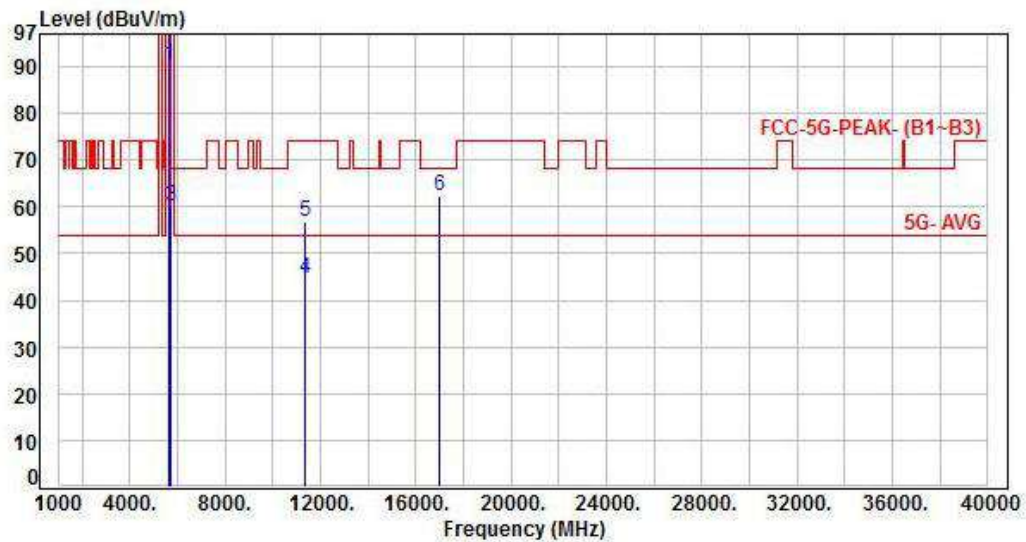
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 5, Band 3, CH134		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5670.00	6.53	83.77	90.30	200.00	-109.70	Average	104	76	P
2	5670.00	6.53	93.70	100.23	200.00	-99.77	Peak	104	76	P
3	5725.00	6.63	53.45	60.08	68.20	-8.12	Peak	104	76	P
4	11340.00	14.68	29.85	44.53	54.00	-9.47	Average	100	224	P
5	11340.00	14.68	41.96	56.64	74.00	-17.36	Peak	100	224	P
6	17010.00	19.98	42.50	62.48	68.20	-5.72	Peak	100	81	P

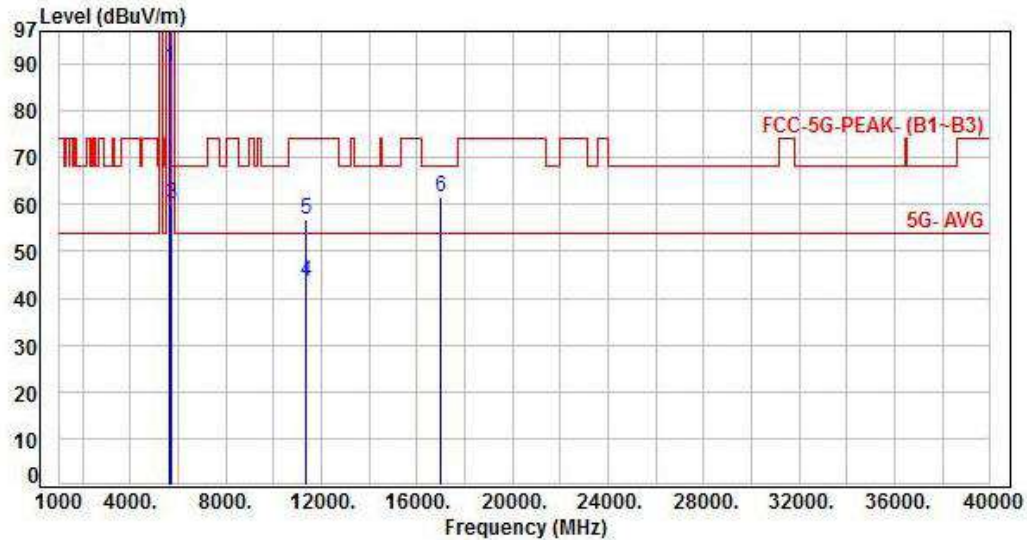
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 5, Band 3, CH134		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5670.00	6.53	82.63	89.16	200.00	-110.84	Average	119	19	P
2	5670.00	6.53	92.41	98.94	200.00	-101.06	Peak	119	19	P
3	5725.00	6.63	53.34	59.97	68.20	-8.23	Peak	119	19	P
4	11340.00	14.68	28.96	43.64	54.00	-10.36	Average	100	136	P
5	11340.00	14.68	41.94	56.62	74.00	-17.38	Peak	100	136	P
6	17010.00	19.98	41.59	61.57	68.20	-6.63	Peak	100	306	P

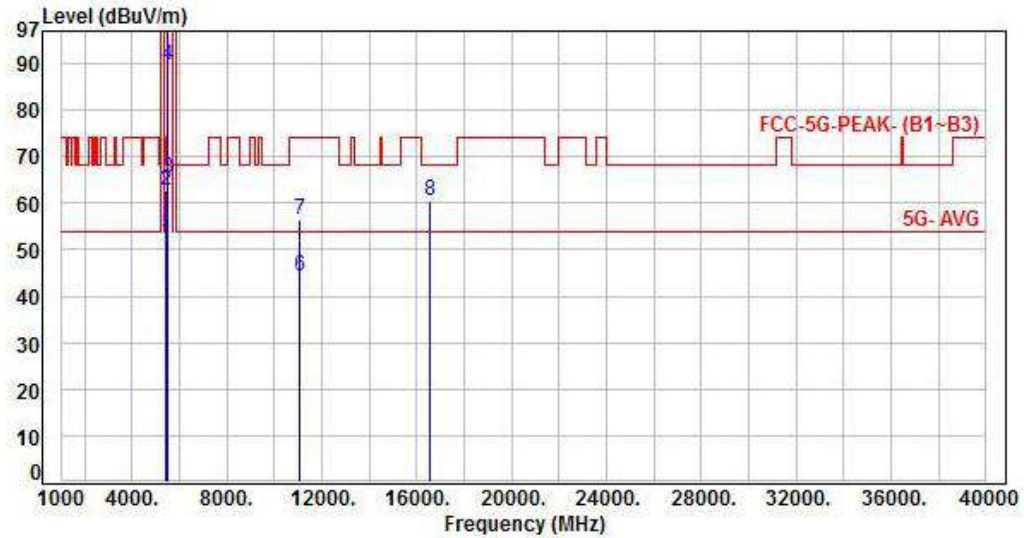
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 6, Band 3, CH106		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	6.67	45.15	51.82	54.00	-2.18	Average	100	70	P
2	5460.00	6.67	56.03	62.70	74.00	-11.30	Peak	100	70	P
3	5470.00	6.68	58.66	65.34	68.20	-2.86	Peak	100	70	P
4	5530.00	6.72	82.74	89.46	200.00	-110.54	Average	100	70	P
5	5530.00	6.72	92.36	99.08	200.00	-100.92	Peak	100	70	P
6	11060.00	14.38	29.83	44.21	54.00	-9.79	Average	100	228	P
7	11060.00	14.38	41.90	56.28	74.00	-17.72	Peak	100	228	P
8	16590.00	17.43	42.92	60.35	68.20	-7.85	Peak	100	79	P

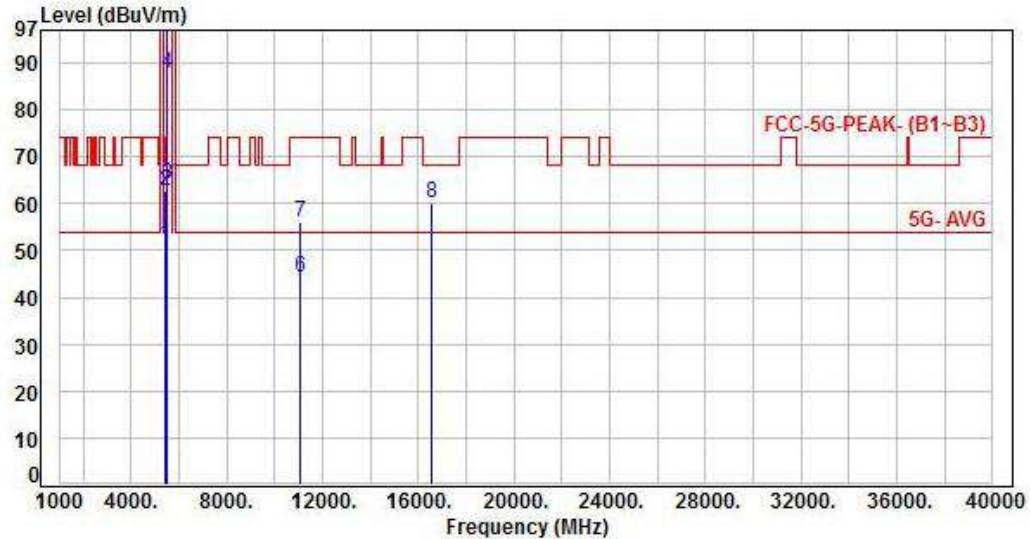
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 6, Band 3, CH106		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	6.67	44.73	51.40	54.00	-2.60	Average	109	14	P
2	5460.00	6.67	55.94	62.61	74.00	-11.39	Peak	109	14	P
3	5470.00	6.68	57.62	64.30	68.20	-3.90	Peak	109	14	P
4	5530.00	6.72	80.98	87.70	200.00	-112.30	Average	109	14	P
5	5530.00	6.72	90.42	97.14	200.00	-102.86	Peak	109	14	P
6	11060.00	14.38	29.92	44.30	54.00	-9.70	Average	100	131	P
7	11060.00	14.38	41.85	56.23	74.00	-17.77	Peak	100	131	P
8	16590.00	17.43	42.61	60.04	68.20	-8.16	Peak	100	305	P

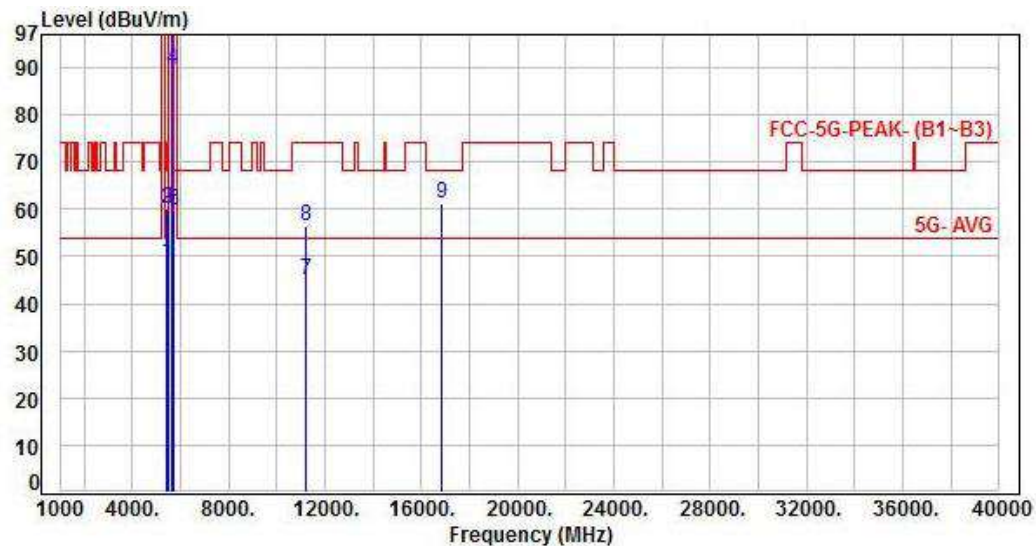
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 6, Band 3, CH122		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	6.67	41.87	48.54	54.00	-5.46	Average	101	71	P
2	5460.00	6.67	53.48	60.15	74.00	-13.85	Peak	101	71	P
3	5470.00	6.68	53.59	60.27	68.20	-7.93	Peak	101	71	P
4	5610.00	6.57	83.06	89.63	200.00	-110.37	Average	101	71	P
5	5610.00	6.57	92.00	98.57	200.00	-101.43	Peak	101	71	P
6	5725.00	6.63	53.06	59.69	68.20	-8.51	Peak	101	71	P
7	11220.00	14.53	30.49	45.02	54.00	-8.98	Average	100	228	P
8	11220.00	14.53	42.07	56.60	74.00	-17.40	Peak	100	228	P
9	16830.00	18.82	42.59	61.41	68.20	-6.79	Peak	100	83	P

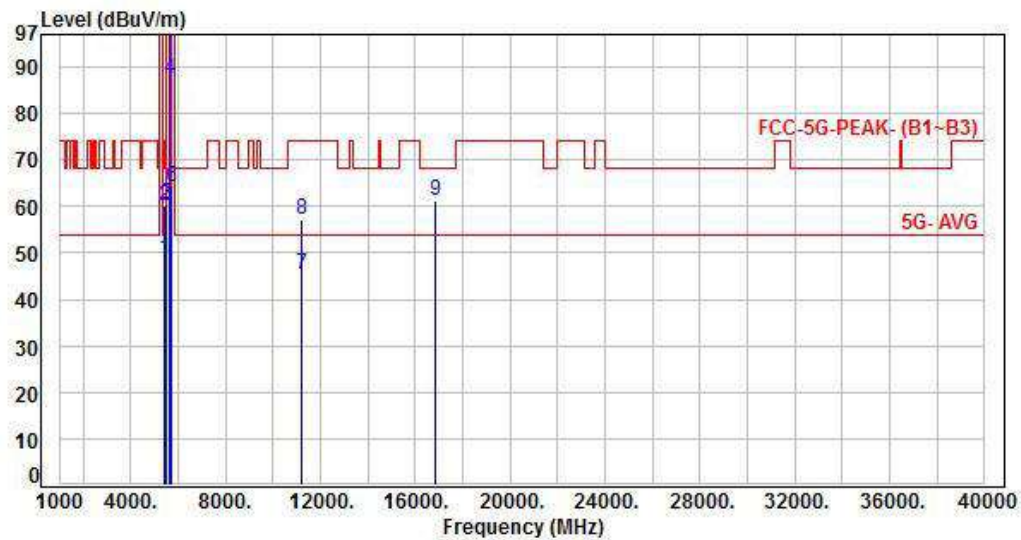
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 6, Band 3, CH122		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	6.67	41.98	48.65	54.00	-5.35	Average	105	18	P
2	5460.00	6.67	53.38	60.05	74.00	-13.95	Peak	105	18	P
3	5470.00	6.68	53.96	60.64	68.20	-7.56	Peak	105	18	P
4	5610.00	6.57	80.95	87.52	200.00	-112.48	Average	105	18	P
5	5610.00	6.57	90.64	97.21	200.00	-102.79	Peak	105	18	P
6	5725.00	6.63	57.72	64.35	68.20	-3.85	Peak	105	18	P
7	11220.00	14.53	30.92	45.45	54.00	-8.55	Average	100	137	P
8	11220.00	14.53	42.73	57.26	74.00	-16.74	Peak	100	137	P
9	16830.00	18.82	42.45	61.27	68.20	-6.93	Peak	100	299	P

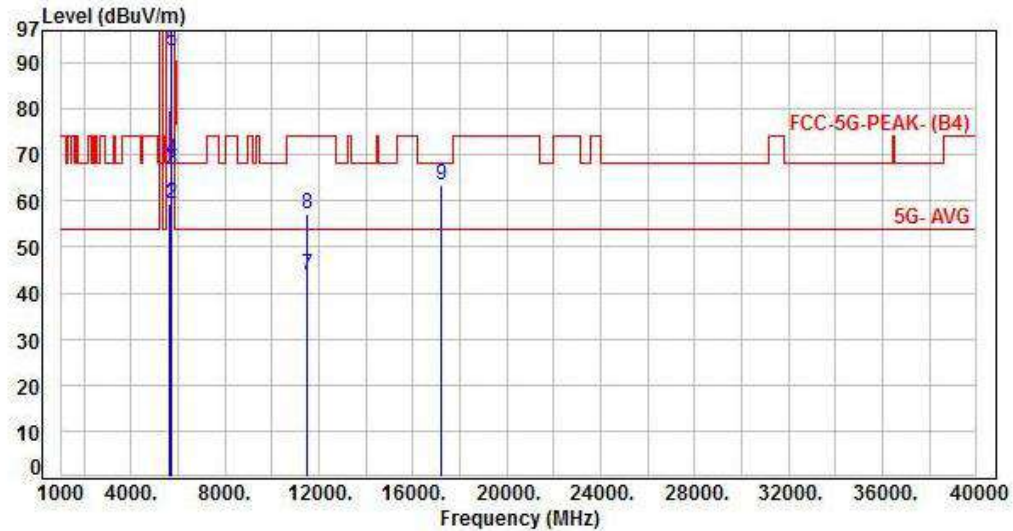
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, 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	6.52	52.72	59.24	68.20	-8.96	Peak	100	84	P
2	5700.00	6.56	52.77	59.33	105.20	-45.87	Peak	100	84	P
3	5720.00	6.61	60.24	66.85	110.80	-43.95	Peak	100	84	P
4	5725.00	6.63	62.27	68.90	122.20	-53.30	Peak	100	84	P
5	5745.00	6.68	85.74	92.42	200.00	-107.58	Average	100	84	P
6	5745.00	6.68	95.08	101.76	200.00	-98.24	Peak	100	84	P
7	11490.00	15.08	28.64	43.72	54.00	-10.28	Average	100	226	P
8	11490.00	15.08	41.93	57.01	74.00	-16.99	Peak	100	226	P
9	17235.00	20.94	42.31	63.25	68.20	-4.95	Peak	100	87	P

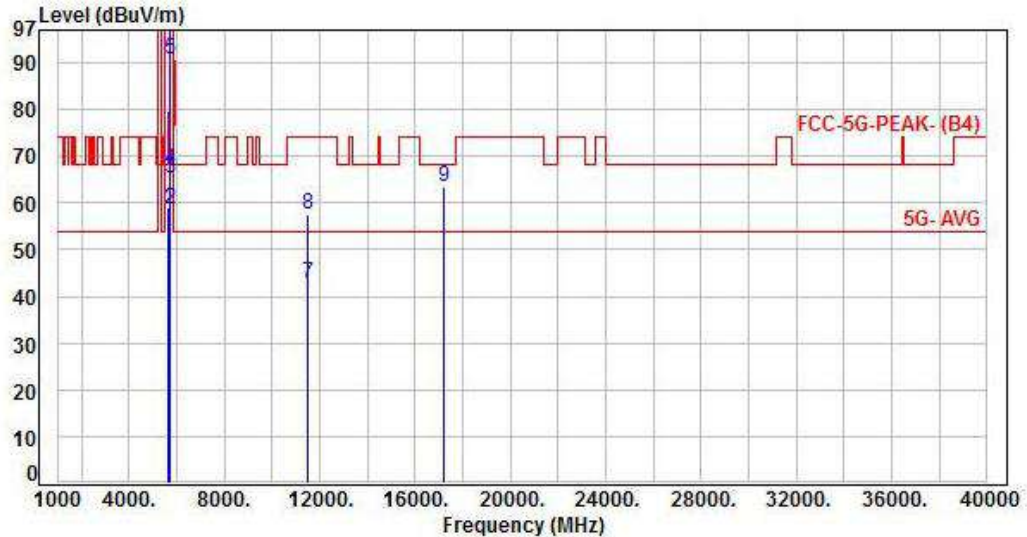
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, 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	6.52	52.53	59.05	68.20	-9.15	Peak	100	19	P
2	5700.00	6.56	52.24	58.80	105.20	-46.40	Peak	100	19	P
3	5720.00	6.61	58.59	65.20	110.80	-45.60	Peak	100	19	P
4	5725.00	6.63	60.45	67.08	122.20	-55.12	Peak	100	19	P
5	5745.00	6.68	84.20	90.88	200.00	-109.12	Average	100	19	P
6	5745.00	6.68	93.51	100.19	200.00	-99.81	Peak	100	19	P
7	11490.00	15.08	27.77	42.85	54.00	-11.15	Average	100	136	P
8	11490.00	15.08	42.51	57.59	74.00	-16.41	Peak	100	136	P
9	17235.00	20.94	42.47	63.41	68.20	-4.79	Peak	100	309	P

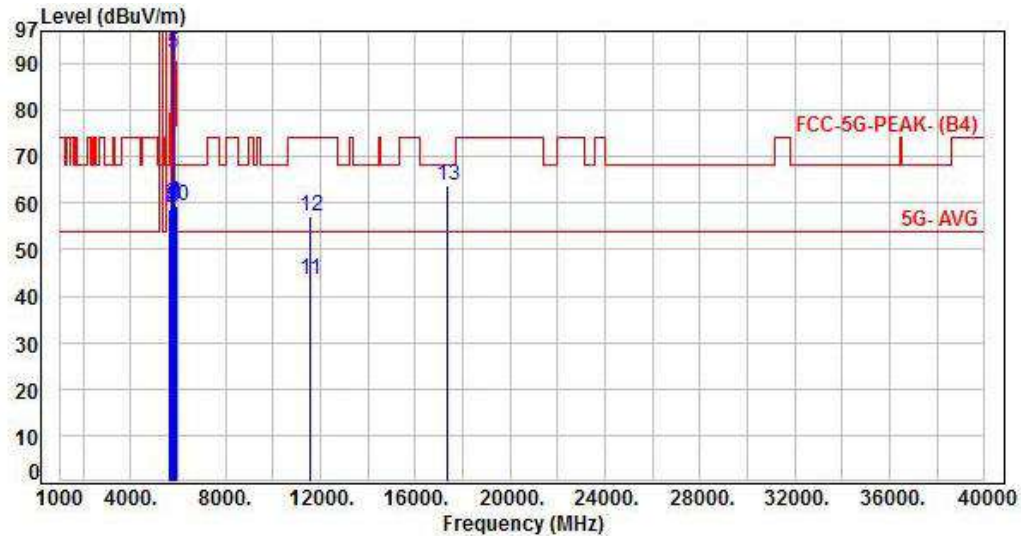
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, 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	6.52	52.25	58.77	68.20	-9.43	Peak	100	85	P
2	5700.00	6.56	52.37	58.93	105.20	-46.27	Peak	100	85	P
3	5720.00	6.61	53.13	59.74	110.80	-51.06	Peak	100	85	P
4	5725.00	6.63	52.42	59.05	122.20	-63.15	Peak	100	85	P
5	5785.00	6.64	85.53	92.17	200.00	-107.83	Average	100	85	P
6	5785.00	6.64	94.86	101.50	200.00	-98.50	Peak	100	85	P
7	5850.00	6.76	53.09	59.85	122.20	-62.35	Peak	100	85	P
8	5855.00	6.78	52.72	59.50	110.80	-51.30	Peak	100	85	P
9	5875.00	6.83	53.31	60.14	105.20	-45.06	Peak	100	85	P
10	5925.00	6.97	52.37	59.34	68.20	-8.86	Peak	100	85	P
11	11570.00	15.32	28.36	43.68	54.00	-10.32	Average	100	229	P
12	11570.00	15.32	41.82	57.14	74.00	-16.86	Peak	100	229	P
13	17355.00	21.54	42.16	63.70	68.20	-4.50	Peak	100	76	P

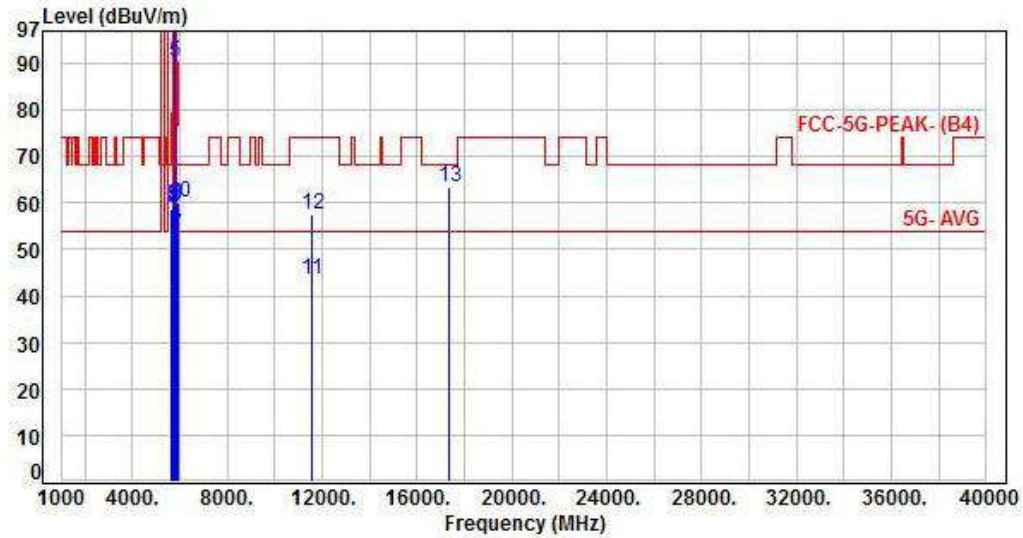
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, 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	6.52	52.15	58.67	68.20	-9.53	Peak	100	25	P
2	5700.00	6.56	52.36	58.92	105.20	-46.28	Peak	100	25	P
3	5720.00	6.61	52.61	59.22	110.80	-51.58	Peak	100	25	P
4	5725.00	6.63	52.42	59.05	122.20	-63.15	Peak	100	25	P
5	5785.00	6.64	83.61	90.25	200.00	-109.75	Average	100	25	P
6	5785.00	6.64	93.17	99.81	200.00	-100.19	Peak	100	25	P
7	5850.00	6.76	46.23	52.99	122.20	-69.21	Peak	100	25	P
8	5855.00	6.78	53.14	59.92	110.80	-50.88	Peak	100	25	P
9	5875.00	6.83	52.61	59.44	105.20	-45.76	Peak	100	25	P
10	5925.00	6.97	53.21	60.18	68.20	-8.02	Peak	100	25	P
11	11570.00	15.32	28.36	43.68	54.00	-10.32	Average	100	136	P
12	11570.00	15.32	42.17	57.49	74.00	-16.51	Peak	100	136	P
13	17355.00	21.54	41.89	63.43	68.20	-4.77	Peak	100	302	P

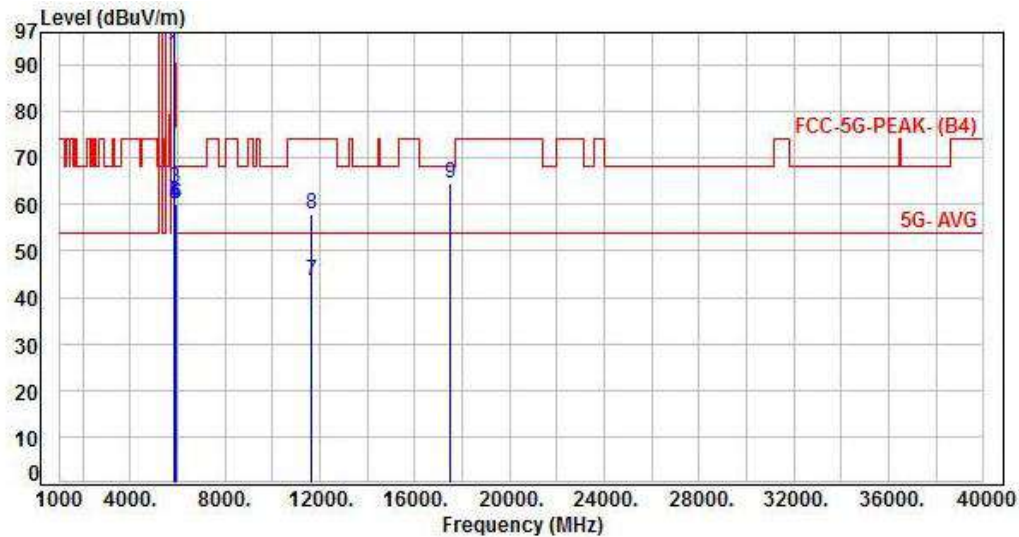
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, 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	6.69	85.67	92.36	200.00	-107.64	Average	100	90	P
2	5825.00	6.69	94.95	101.64	200.00	-98.36	Peak	100	90	P
3	5850.00	6.76	56.81	63.57	122.20	-58.63	Peak	100	90	P
4	5855.00	6.78	53.51	60.29	110.80	-50.51	Peak	100	90	P
5	5875.00	6.83	53.13	59.96	105.20	-45.24	Peak	100	90	P
6	5925.00	6.97	53.12	60.09	68.20	-8.11	Peak	100	90	P
7	11650.00	15.44	28.18	43.62	54.00	-10.38	Average	100	229	P
8	11650.00	15.44	42.64	58.08	74.00	-15.92	Peak	100	229	P
9	17475.00	22.45	42.15	64.60	68.20	-3.60	Peak	100	74	P

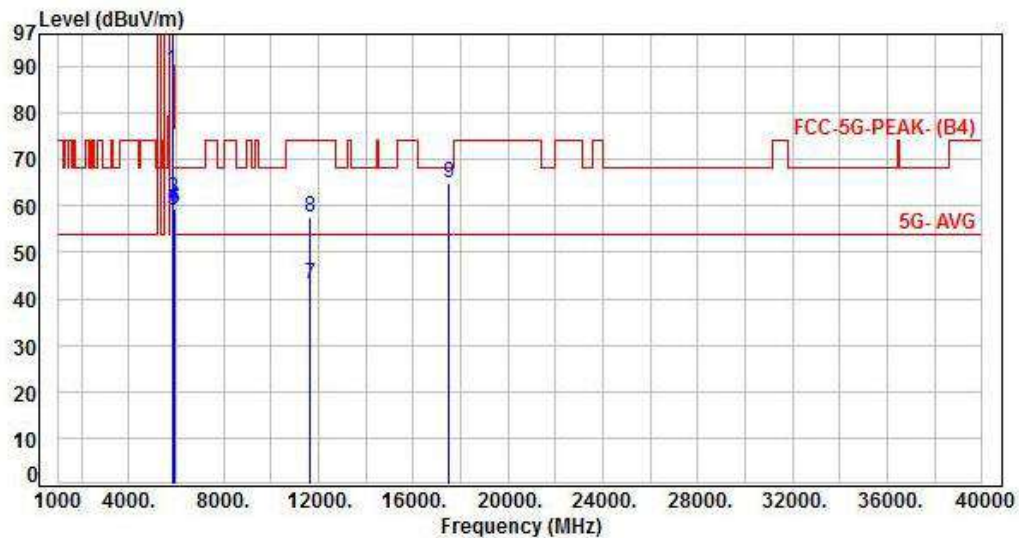
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, 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	6.69	82.48	89.17	200.00	-110.83	Average	100	24	P
2	5825.00	6.69	91.66	98.35	200.00	-101.65	Peak	100	24	P
3	5850.00	6.76	54.67	61.43	122.20	-60.77	Peak	100	24	P
4	5855.00	6.78	52.80	59.58	110.80	-51.22	Peak	100	24	P
5	5875.00	6.83	52.24	59.07	105.20	-46.13	Peak	100	24	P
6	5925.00	6.97	52.55	59.52	68.20	-8.68	Peak	100	24	P
7	11650.00	15.44	27.69	43.13	54.00	-10.87	Average	100	135	P
8	11650.00	15.44	42.13	57.57	74.00	-16.43	Peak	100	135	P
9	17475.00	22.45	42.45	64.90	68.20	-3.30	Peak	100	296	P

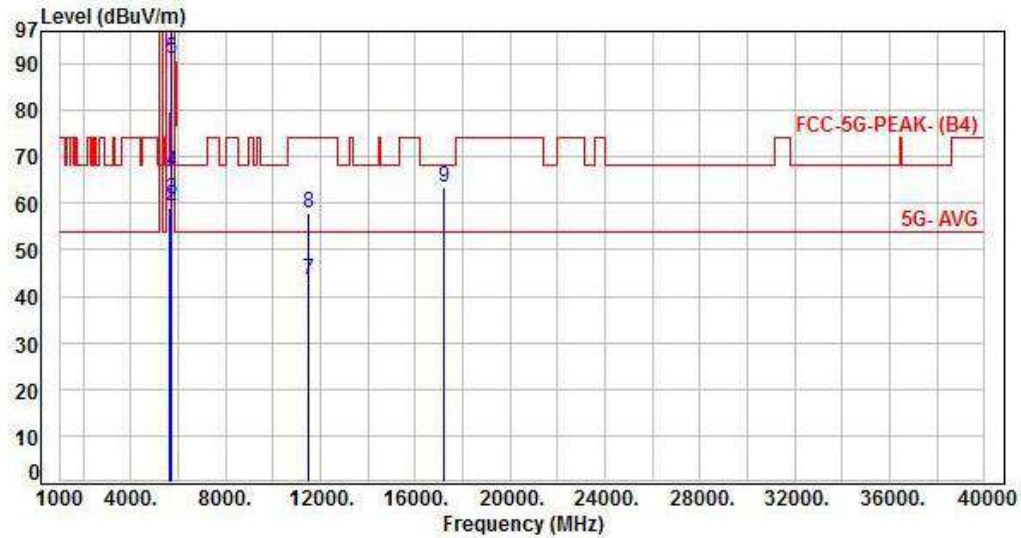
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 2, 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	6.52	52.51	59.03	68.20	-9.17	Peak	100	85	P
2	5700.00	6.56	52.86	59.42	105.20	-45.78	Peak	100	85	P
3	5720.00	6.61	54.26	60.87	110.80	-49.93	Peak	100	85	P
4	5725.00	6.63	60.28	66.91	122.20	-55.29	Peak	100	85	P
5	5745.00	6.68	84.54	91.22	200.00	-108.78	Average	100	85	P
6	5745.00	6.68	94.71	101.39	200.00	-98.61	Peak	100	85	P
7	11490.00	15.08	28.45	43.53	54.00	-10.47	Average	100	225	P
8	11490.00	15.08	42.65	57.73	74.00	-16.27	Peak	100	225	P
9	17235.00	20.94	42.31	63.25	68.20	-4.95	Peak	100	76	P

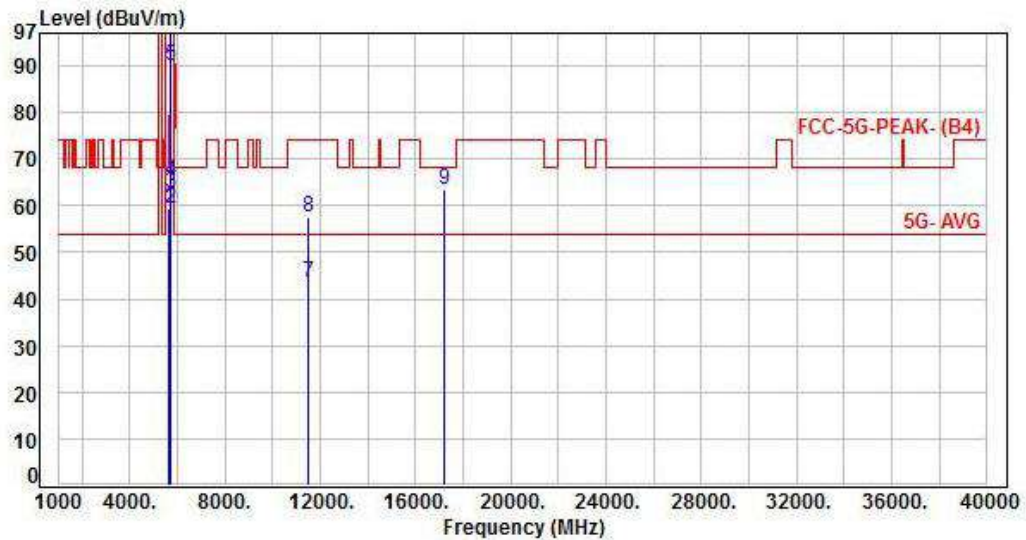
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 2, Band 4, CH149		:	



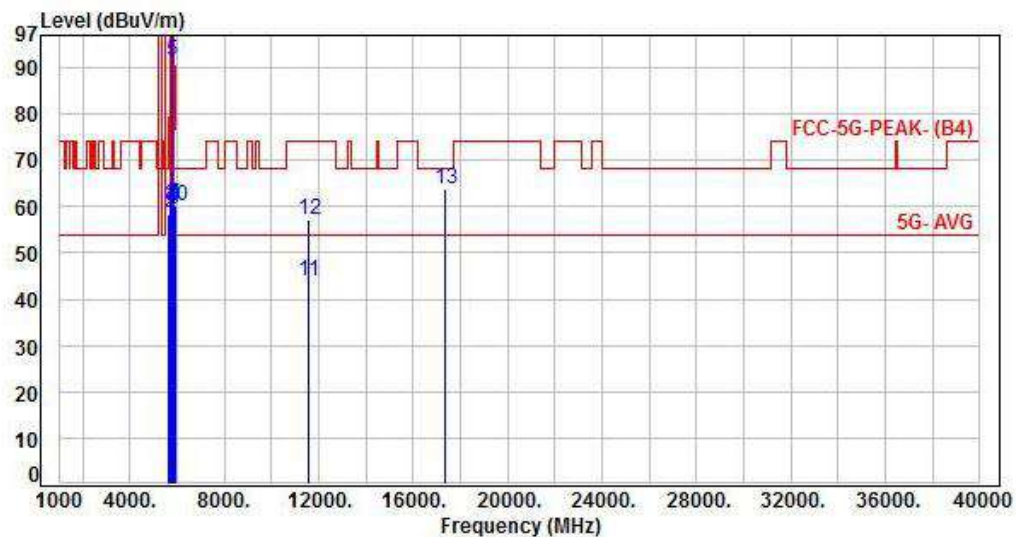
No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.52	52.98	59.50	68.20	-8.70	Peak	100	21	P
2	5700.00	6.56	52.85	59.41	105.20	-45.79	Peak	100	21	P
3	5720.00	6.61	55.97	62.58	110.80	-48.22	Peak	100	21	P
4	5725.00	6.63	58.51	65.14	122.20	-57.06	Peak	100	21	P
5	5745.00	6.68	83.17	89.85	200.00	-110.15	Average	100	21	P
6	5745.00	6.68	93.07	99.75	200.00	-100.25	Peak	100	21	P
7	11490.00	15.08	28.30	43.38	54.00	-10.62	Average	100	131	P
8	11490.00	15.08	42.28	57.36	74.00	-16.64	Peak	100	131	P
9	17235.00	20.94	42.59	63.53	68.20	-4.67	Peak	100	307	P

Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 2, Band 4, CH157		:	

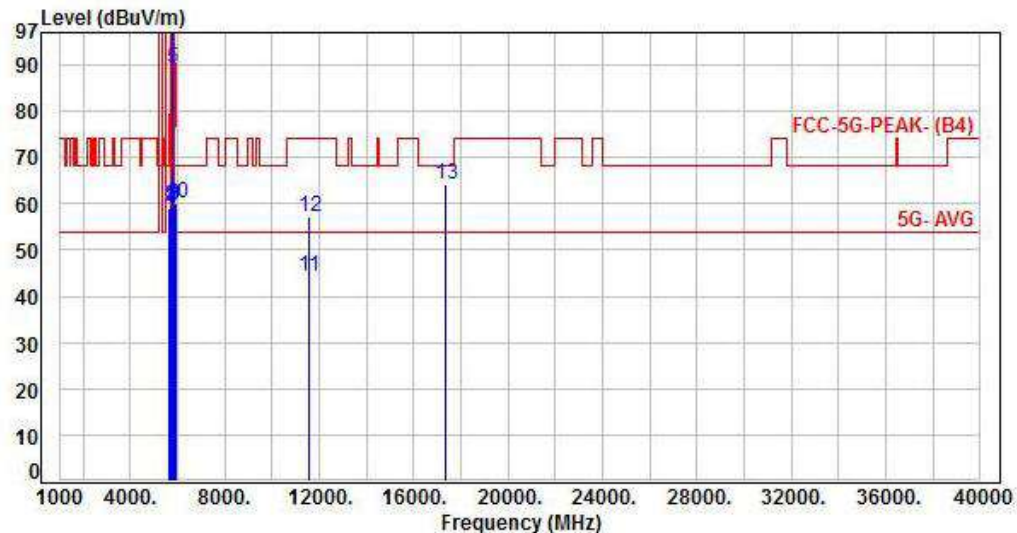


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.52	51.80	58.32	68.20	-9.88	Peak	100	88	P
2	5700.00	6.56	52.26	58.82	105.20	-46.38	Peak	100	88	P
3	5720.00	6.61	53.35	59.96	110.80	-50.84	Peak	100	88	P
4	5725.00	6.63	53.11	59.74	122.20	-62.46	Peak	100	88	P
5	5785.00	6.64	84.86	91.50	200.00	-108.50	Average	100	88	P/F
6	5785.00	6.64	95.12	101.76	200.00	-98.24	Peak	100	88	P
7	5850.00	6.76	53.55	60.31	122.20	-61.89	Peak	100	88	P
8	5855.00	6.78	53.18	59.96	110.80	-50.84	Peak	100	88	P
9	5875.00	6.83	52.64	59.47	105.20	-45.73	Peak	100	88	P
10	5925.00	6.97	53.06	60.03	68.20	-8.17	Peak	100	88	P
11	11570.00	15.32	28.41	43.73	54.00	-10.27	Average	100	227	P
12	11570.00	15.32	41.95	57.27	74.00	-16.73	Peak	100	227	P
13	17355.00	21.54	42.34	63.88	68.20	-4.32	Peak	100	80	P

Note: $Level = Reading + Factor$

$$\text{Margin} = \text{Level} - \text{Limit}$$
$$\text{Factor} = \text{Antenna Factor} + \text{cable loss} - \text{Amplifier Factor}$$

Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 2, Band 4, CH157		:	



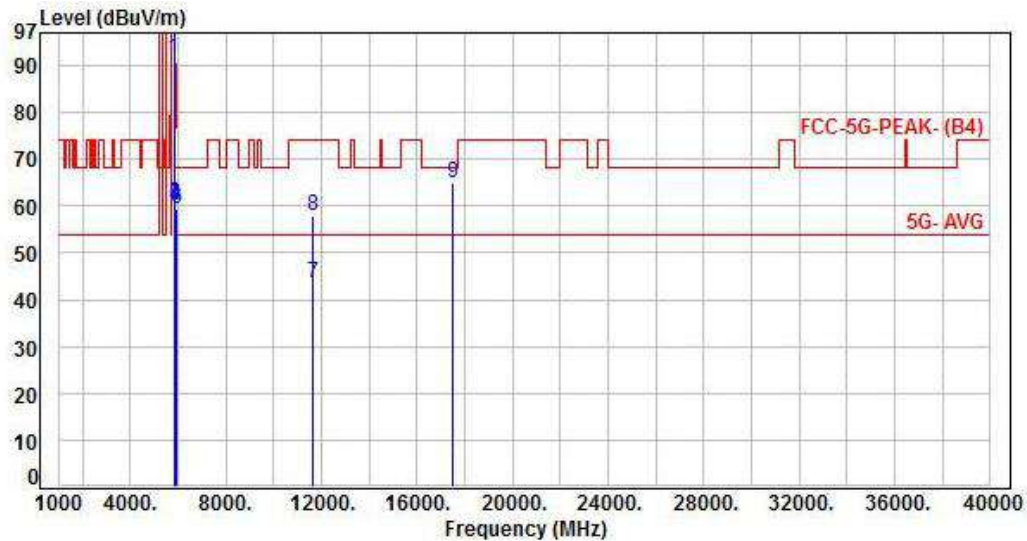
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.52	52.63	59.15	68.20	-9.05	Peak	100	21	P
2	5700.00	6.56	52.65	59.21	105.20	-45.99	Peak	100	21	P
3	5720.00	6.61	52.59	59.20	110.80	-51.60	Peak	100	21	P
4	5725.00	6.63	52.27	58.90	122.20	-63.30	Peak	100	21	P
5	5785.00	6.64	82.75	89.39	200.00	-110.61	Average	100	21	P
6	5785.00	6.64	92.58	99.22	200.00	-100.78	Peak	100	21	P
7	5850.00	6.76	52.33	59.09	122.20	-63.11	Peak	100	21	P
8	5855.00	6.78	52.83	59.61	110.80	-51.19	Peak	100	21	P
9	5875.00	6.83	52.84	59.67	105.20	-45.53	Peak	100	21	P
10	5925.00	6.97	52.98	59.95	68.20	-8.25	Peak	100	21	P
11	11570.00	15.32	28.80	44.12	54.00	-9.88	Average	100	133	P
12	11570.00	15.32	41.87	57.19	74.00	-16.81	Peak	100	133	P
13	17355.00	21.54	42.68	64.22	68.20	-3.98	Peak	100	300	P

Note: $\text{Level} = \text{Reading} + \text{Factor}$

$$\text{Margin} = \text{Level} - \text{Limit}$$
$$\text{Factor} = \text{Antenna Factor} + \text{cable loss} - \text{Amplifier Factor}$$



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 2, 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	6.69	84.84	91.53	200.00	-108.47	Average	100	90	P
2	5825.00	6.69	94.89	101.58	200.00	-98.42	Peak	100	90	P
3	5850.00	6.76	53.63	60.39	122.20	-61.81	Peak	100	90	P
4	5855.00	6.78	53.41	60.19	110.80	-50.61	Peak	100	90	P
5	5875.00	6.83	53.25	60.08	105.20	-45.12	Peak	100	90	P
6	5925.00	6.97	52.35	59.32	68.20	-8.88	Peak	100	90	P
7	11650.00	15.44	28.10	43.54	54.00	-10.46	Average	100	230	P
8	11650.00	15.44	42.62	58.06	74.00	-15.94	Peak	100	230	P
9	17475.00	22.45	42.37	64.82	68.20	-3.38	Peak	100	75	P

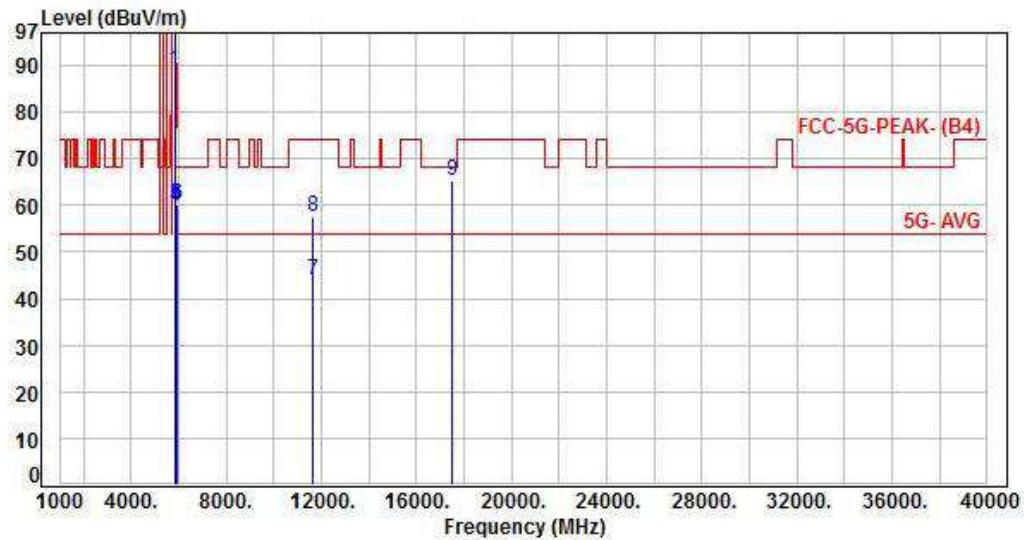
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 2, 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	6.69	82.07	88.76	200.00	-111.24	Average	100	25	P
2	5825.00	6.69	91.37	98.06	200.00	-101.94	Peak	100	25	P
3	5850.00	6.76	53.40	60.16	122.20	-62.04	Peak	100	25	P
4	5855.00	6.78	52.84	59.62	110.80	-51.18	Peak	100	25	P
5	5875.00	6.83	53.18	60.01	105.20	-45.19	Peak	100	25	P
6	5925.00	6.97	52.97	59.94	68.20	-8.26	Peak	100	25	P
7	11650.00	15.44	28.37	43.81	54.00	-10.19	Average	100	138	P
8	11650.00	15.44	41.94	57.38	74.00	-16.62	Peak	100	138	P
9	17475.00	22.45	42.82	65.27	68.20	-2.93	Peak	100	301	P

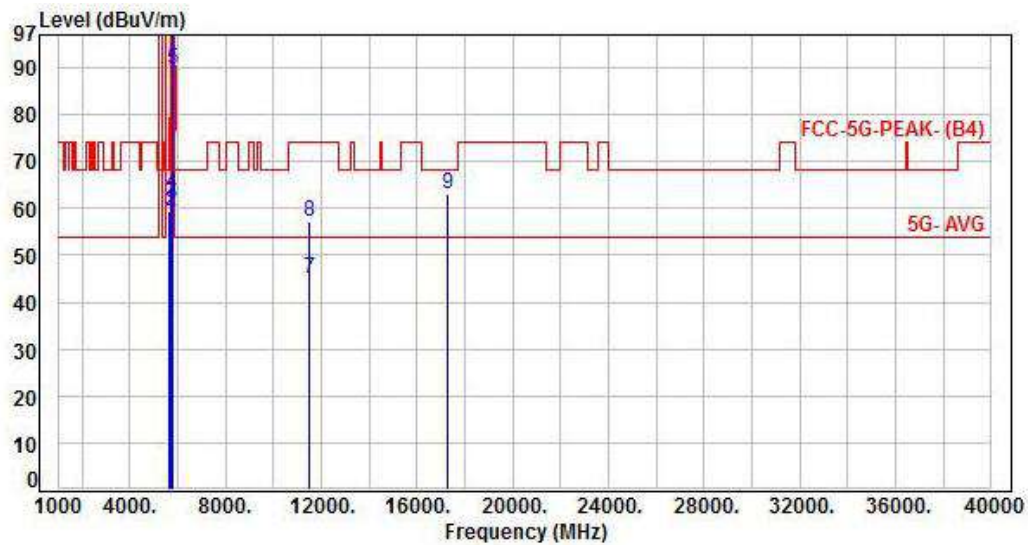
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 3, 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	6.52	52.93	59.45	68.20	-8.75	Peak	100	83	P
2	5700.00	6.56	52.72	59.28	105.20	-45.92	Peak	100	83	P
3	5720.00	6.61	54.77	61.38	110.80	-49.42	Peak	100	83	P
4	5725.00	6.63	56.50	63.13	122.20	-59.07	Peak	100	83	P
5	5755.00	6.68	82.79	89.47	200.00	-110.53	Average	100	83	P
6	5755.00	6.68	91.54	98.22	200.00	-101.78	Peak	100	83	P
7	11510.00	15.14	29.69	44.83	54.00	-9.17	Average	100	229	P
8	11510.00	15.14	42.00	57.14	74.00	-16.86	Peak	100	229	P
9	17265.00	21.10	41.81	62.91	68.20	-5.29	Peak	100	77	P

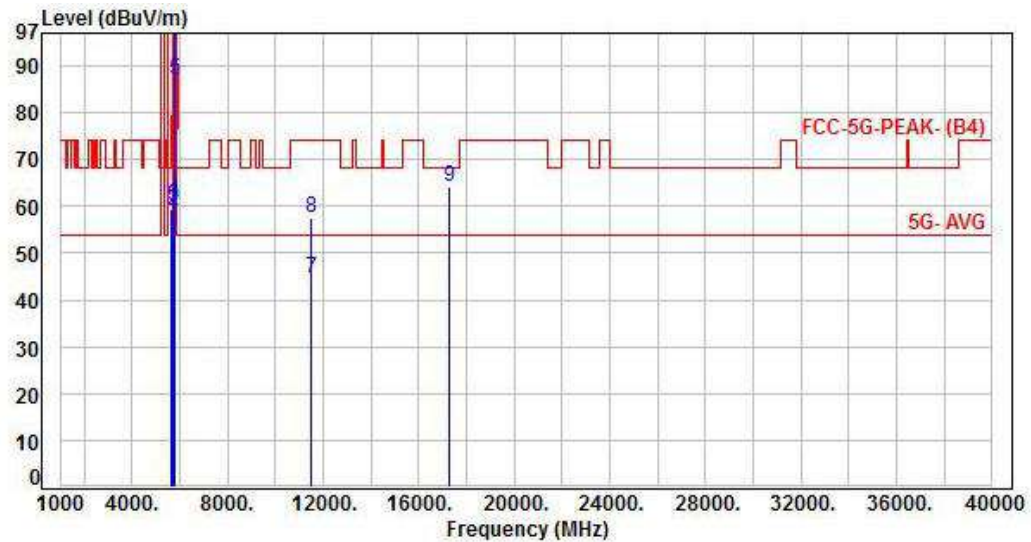
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 3, 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	6.52	52.98	59.50	68.20	-8.70	Peak	100	26	P
2	5700.00	6.56	52.50	59.06	105.20	-46.14	Peak	100	26	P
3	5720.00	6.61	53.62	60.23	110.80	-50.57	Peak	100	26	P
4	5725.00	6.63	54.61	61.24	122.20	-60.96	Peak	100	26	P
5	5755.00	6.68	80.41	87.09	200.00	-112.91	Average	100	26	P
6	5755.00	6.68	90.35	97.03	200.00	-102.97	Peak	100	26	P
7	11510.00	15.14	29.52	44.66	54.00	-9.34	Average	100	130	P
8	11510.00	15.14	42.25	57.39	74.00	-16.61	Peak	100	130	P
9	17265.00	21.10	42.95	64.05	68.20	-4.15	Peak	100	307	P

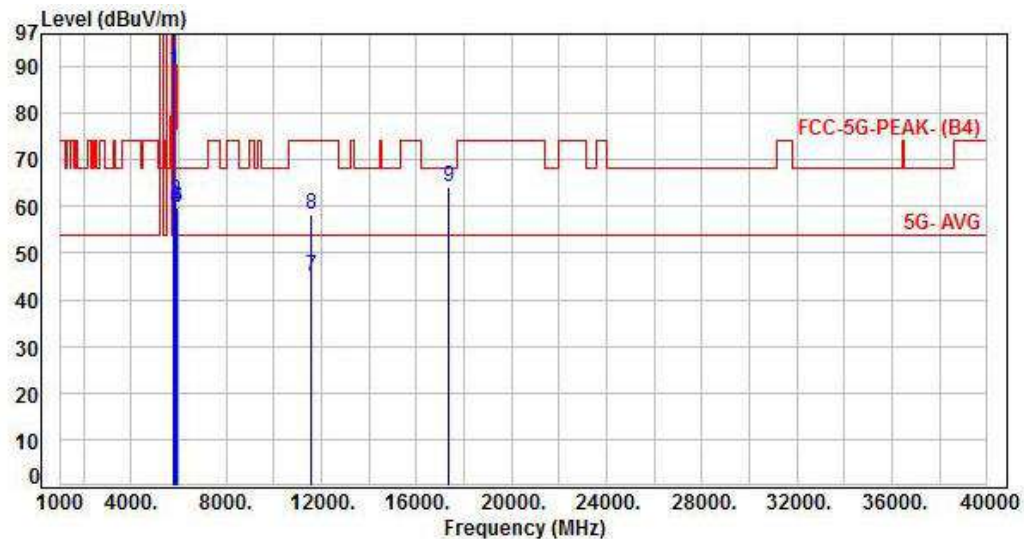
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 3, 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	5795.00	6.63	82.69	89.32	200.00	-110.68	Average	100	84	P
2	5795.00	6.63	92.16	98.79	200.00	-101.21	Peak	100	84	P
3	5850.00	6.76	54.41	61.17	122.20	-61.03	Peak	100	84	P
4	5855.00	6.78	52.84	59.62	110.80	-51.18	Peak	100	84	P
5	5875.00	6.83	52.97	59.80	105.20	-45.40	Peak	100	84	P
6	5925.00	6.97	52.69	59.66	68.20	-8.54	Peak	100	84	P
7	11590.00	15.37	29.76	45.13	54.00	-8.87	Average	100	229	P
8	11590.00	15.37	42.83	58.20	74.00	-15.80	Peak	100	229	P
9	17385.00	21.67	42.36	64.03	68.20	-4.17	Peak	100	74	P

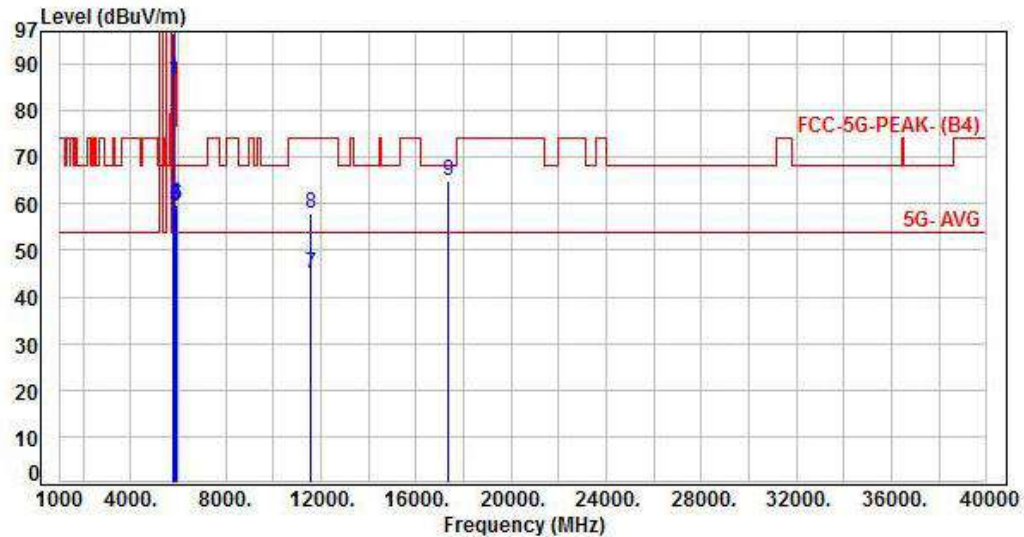
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 3, 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	5795.00	6.63	80.14	86.77	200.00	-113.23	Average	100	25	P
2	5795.00	6.63	89.85	96.48	200.00	-103.52	Peak	100	25	P
3	5850.00	6.76	53.16	59.92	122.20	-62.28	Peak	100	25	P
4	5855.00	6.78	53.44	60.22	110.80	-50.58	Peak	100	25	P
5	5875.00	6.83	52.72	59.55	105.20	-45.65	Peak	100	25	P
6	5925.00	6.97	52.70	59.67	68.20	-8.53	Peak	100	25	P
7	11590.00	15.37	29.66	45.03	54.00	-8.97	Average	100	133	P
8	11590.00	15.37	42.70	58.07	74.00	-15.93	Peak	100	133	P
9	17385.00	21.67	43.25	64.92	68.20	-3.28	Peak	100	306	P

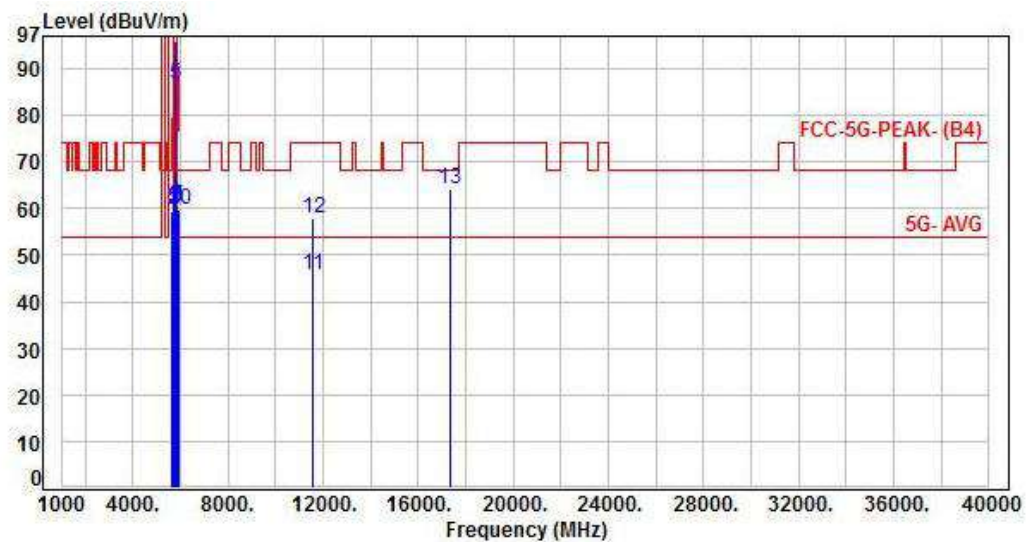
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 4, 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	6.52	52.76	59.28	68.20	-8.92	Peak	100	84	P
2	5700.00	6.56	53.02	59.58	105.20	-45.62	Peak	100	84	P
3	5720.00	6.61	53.41	60.02	110.80	-50.78	Peak	100	84	P
4	5725.00	6.63	54.73	61.36	122.20	-60.84	Peak	100	84	P
5	5775.00	6.65	80.05	86.70	200.00	-113.30	Average	100	84	P
6	5775.00	6.65	89.10	95.75	200.00	-104.25	Peak	100	84	P
7	5850.00	6.76	53.91	60.67	122.20	-61.53	Peak	100	84	P
8	5855.00	6.78	53.88	60.66	110.80	-50.14	Peak	100	84	P
9	5875.00	6.83	53.14	59.97	105.20	-45.23	Peak	100	84	P
10	5925.00	6.97	52.85	59.82	68.20	-8.38	Peak	100	84	P
11	11550.00	15.26	30.33	45.59	54.00	-8.41	Average	100	226	P
12	11550.00	15.26	42.69	57.95	74.00	-16.05	Peak	100	226	P
13	17325.00	21.41	42.85	64.26	68.20	-3.94	Peak	100	73	P

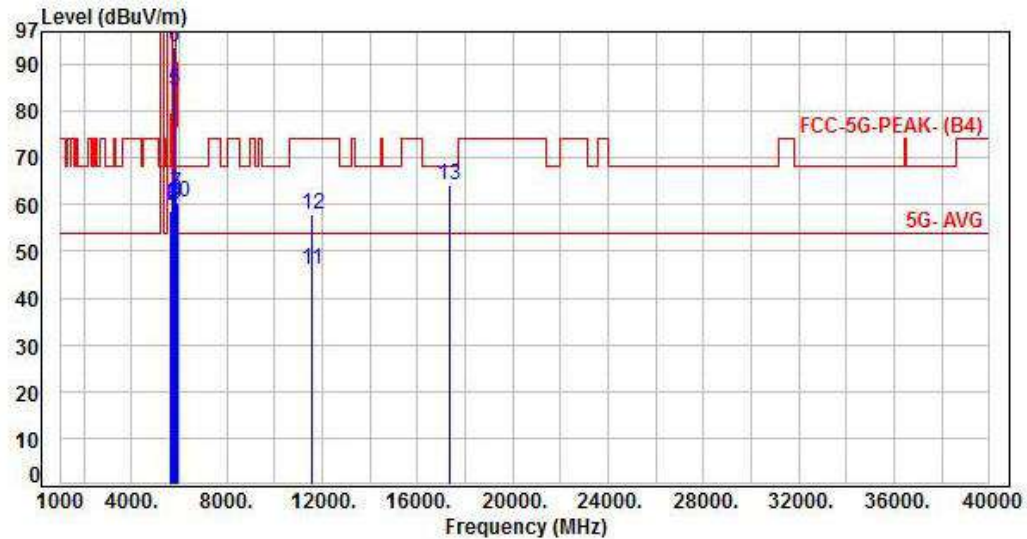
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 4, 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	6.52	51.95	58.47	68.20	-9.73	Peak	100	22	P
2	5700.00	6.56	53.18	59.74	105.20	-45.46	Peak	100	22	P
3	5720.00	6.61	53.47	60.08	110.80	-50.72	Peak	100	22	P
4	5725.00	6.63	53.71	60.34	122.20	-61.86	Peak	100	22	P
5	5775.00	6.65	77.79	84.44	200.00	-115.56	Average	100	22	P
6	5775.00	6.65	86.95	93.60	200.00	-106.40	Peak	100	22	P
7	5850.00	6.76	55.56	62.32	122.20	-59.88	Peak	100	22	P
8	5855.00	6.78	54.23	61.01	110.80	-49.79	Peak	100	22	P
9	5875.00	6.83	53.32	60.15	105.20	-45.05	Peak	100	22	P
10	5925.00	6.97	53.42	60.39	68.20	-7.81	Peak	100	22	P
11	11550.00	15.26	30.79	46.05	54.00	-7.95	Average	100	131	P
12	11550.00	15.26	42.73	57.99	74.00	-16.01	Peak	100	131	P
13	17325.00	21.41	42.85	64.26	68.20	-3.94	Peak	100	304	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

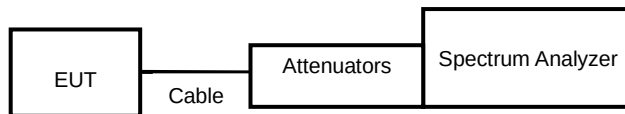
7.1. Test Limit

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

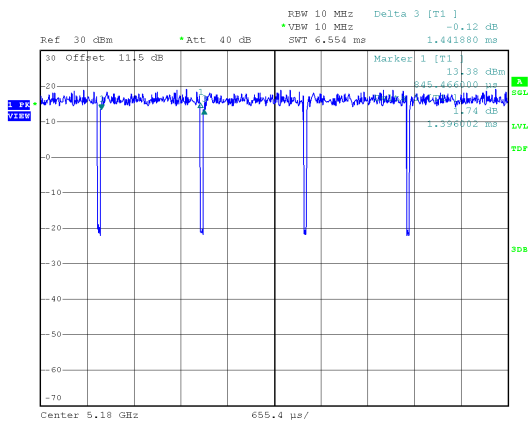
Modulation Type	On Time (ms)	Period Time (ms)	Duty Cycle (%)
802.11a,6M	1.40	1.44	96.82%
802.11ac VHT20	1.32	1.36	96.92%
802.11ac VHT40	0.65	0.69	93.77%
802.11ac VHT80	0.32	0.37	88.72%

7.5. Measurement Methods

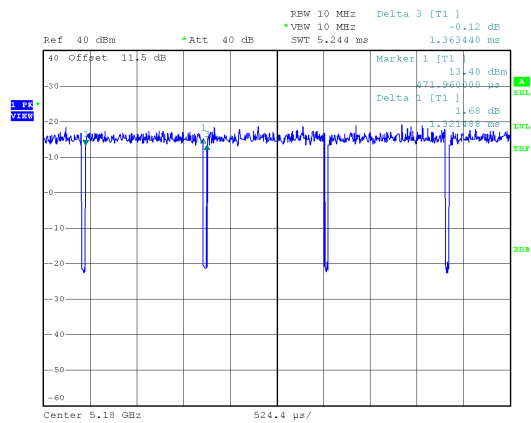
26 dB and 6dB Emission BW	KDB 789033 D02 v01, Section C
99% Occupied BW	KDB 789033 D02 v01, Section D
Conducted Output Power	KDB 789033 D02 v01, Section E.2.d and E.3.b (Method PM-G)
Power Spectral Density	KDB 789033 D02 v01, Section F
Unwanted emissions in restricted bands	KDB 789033 D02 v01, Sections G and H
Unwanted emissions in non-restricted bands	KDB 789033 D02 v01, Sections G and H



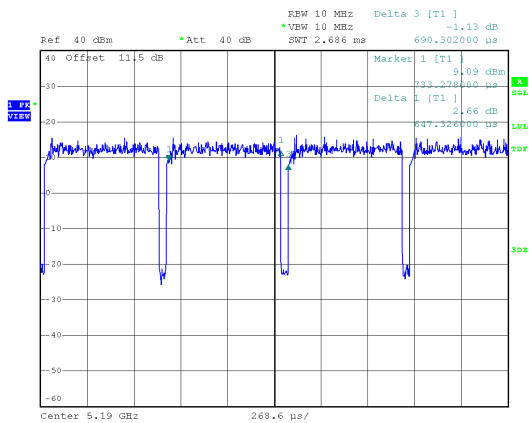
Modulation Type: 802.11a (6Mbps)



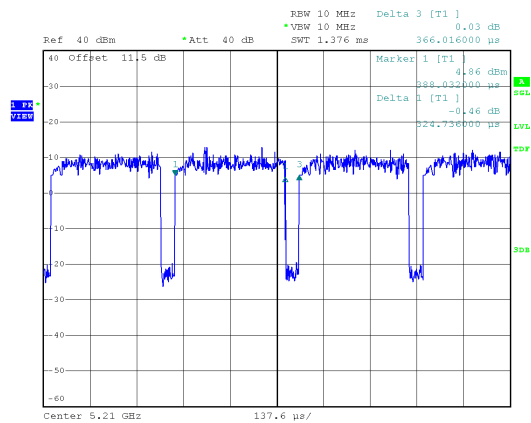
Modulation Type: 802.11ac VHT20 (6.5Mbps)



Modulation Type: 802.11ac VHT40 (13.5Mbps)



Modulation Type: 802.11ac VHT80 (29.3Mbps)





8. 6dB Bandwidth & 99% Occupied Bandwidth

8.1. Test Limit

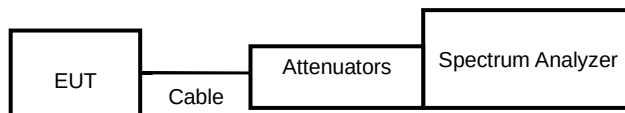
FCC §15.407

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

In the 5.8G Band

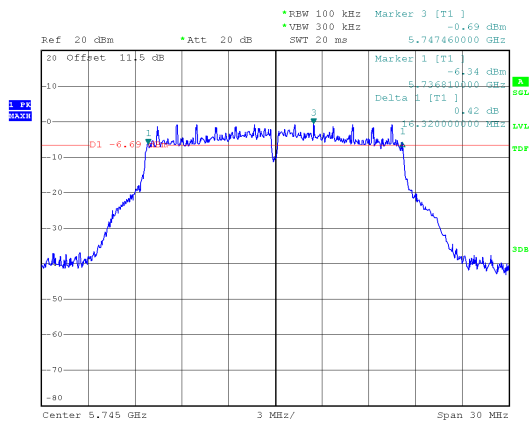
Modulation Type	Channel	Frequency (MHz)	6dB Bandwidth(MHz)	Minimum Limit (MHz)
			ANT A	
11a	149	5745	16.32	0.50
11a	157	5785	16.32	0.50
11a	165	5825	16.32	0.50
11ac VHT20	149	5745	17.55	0.50
11ac VHT20	157	5785	17.52	0.50
11ac VHT20	165	5825	17.55	0.50
11ac VHT40	151	5755	35.82	0.50
11ac VHT40	159	5795	36.06	0.50
11ac VHT80	155	5775	75.12	0.50

In the 5.8G Band

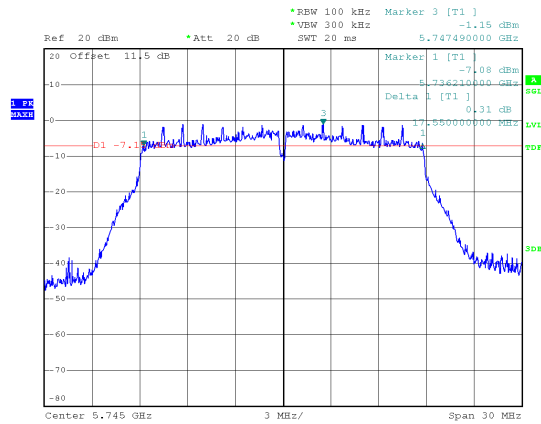
Modulation Type	Channel	Frequency (MHz)	99% Bandwidth(MHz)
			ANT A
11a	149	5745	16.98
11a	157	5785	16.98
11a	165	5825	16.98
11ac VHT20	149	5745	17.97
11ac VHT20	157	5785	18.03
11ac VHT20	165	5825	18.00
11ac VHT40	151	5755	36.54
11ac VHT40	159	5795	36.42
11ac VHT80	155	5775	75.48



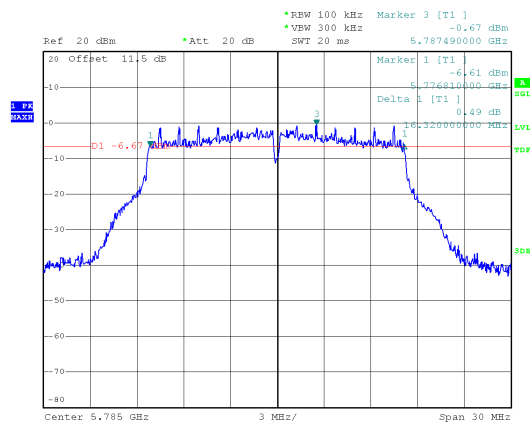
6dB Bandwidth
Modulation Type: 802.11a (6Mbps)
CH149



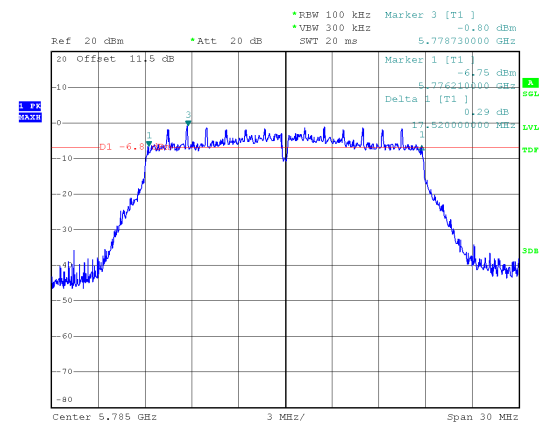
Modulation Type: 802.11ac, VHT20 (6.5Mbps)
CH149



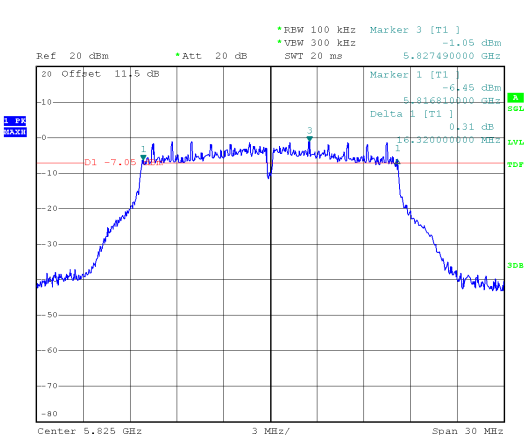
CH157



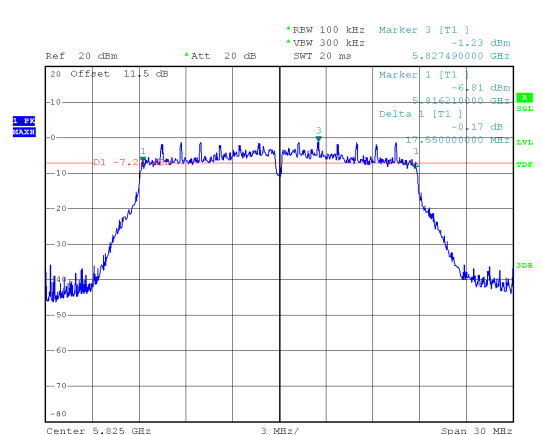
CH157



CH165



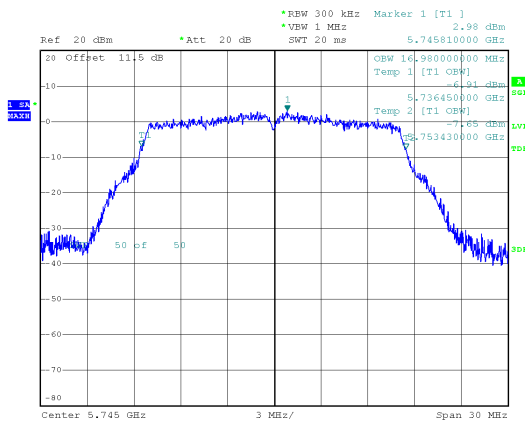
CH165



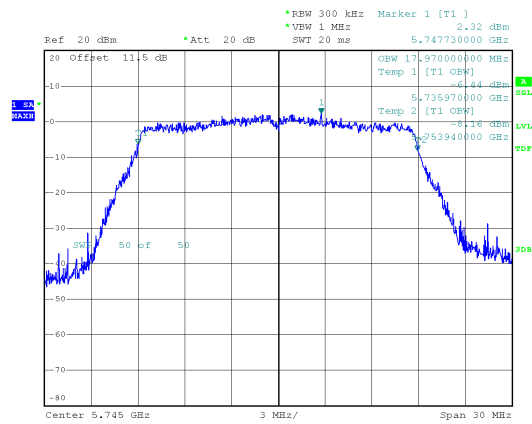




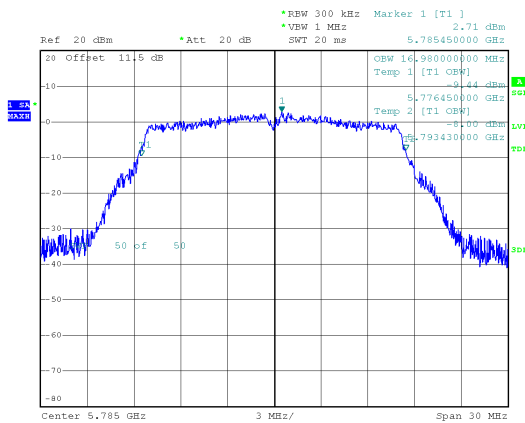
99% Occupied Bandwidth
Modulation Type: 802.11a (6Mbps)
CH149



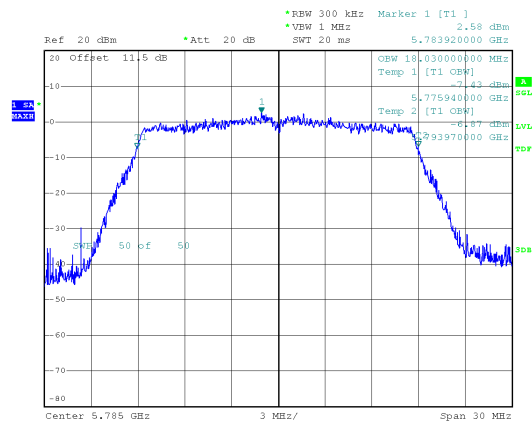
Modulation Type: 802.11ac, VHT20 (6.5Mbps)
CH149



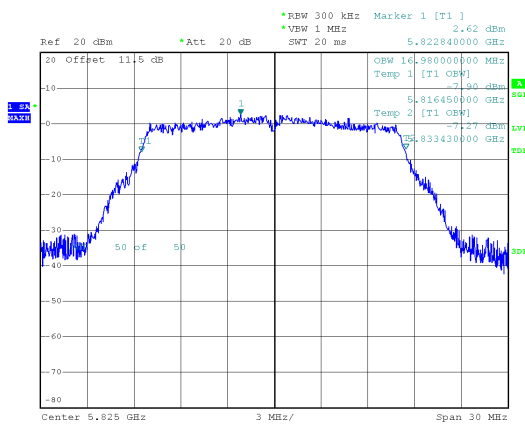
CH157



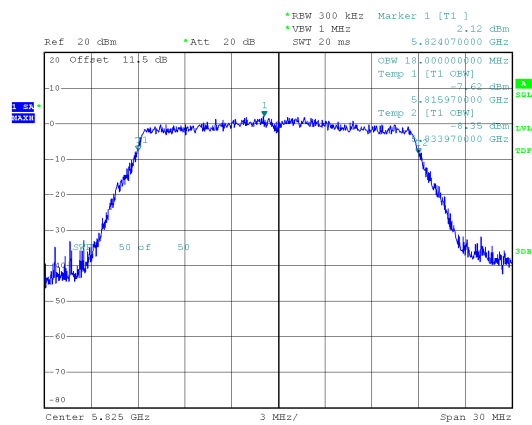
CH157



CH165

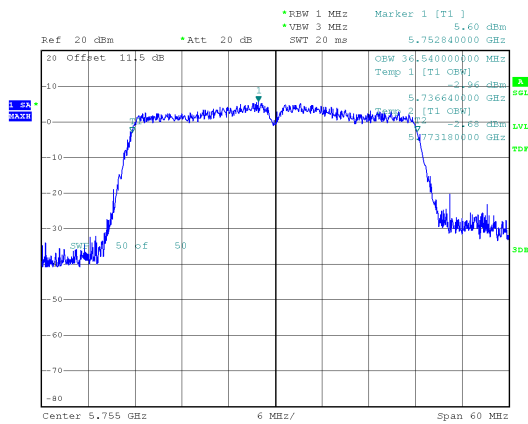


CH165

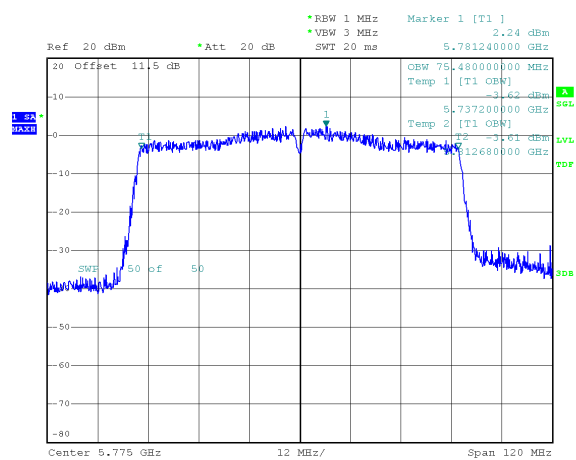




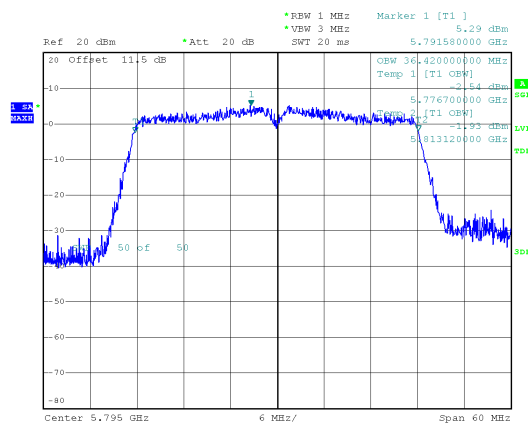
Band 4,
Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH151



Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH155



CH159





9. 26dB Bandwidth & 99% Occupied Bandwidth

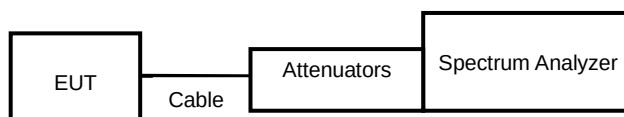
9.1. Test Limit

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 (26dB Bandwidth)

In the 5.2GHz Band

Mode	Channel	Frequency (MHz)	26dB Bandwidth(MHz)
			ANT A
11a	36	5180	21.75
11a	40	5200	21.75
11a	48	5240	21.75
11ac VHT20	36	5180	21.95
11ac VHT20	40	5200	21.8
11ac VHT20	48	5240	21.85
11ac VHT40	38	5190	41.6
11ac VHT40	46	5230	41.3
11ac VHT80	42	5210	81.92

**In the 5.3GHz Band**

Mode	Channel	Frequency (MHz)	26dB Bandwidth(MHz)
			ANT A
11a	52	5260	21.8
11a	60	5300	21.6
11a	64	5320	21.65
11ac VHT20	52	5260	21.95
11ac VHT20	60	5300	21.75
11ac VHT20	64	5320	21.85
11ac VHT40	54	5270	41.4
11ac VHT40	62	5310	41.5
11ac VHT80	58	5290	82.08

In the 5.5GHz Band

Mode	Channel	Frequency (MHz)	26dB Bandwidth(MHz)
			ANT A
11a	100	5500	21.65
11a	120	5600	21.65
11a	140	5700	21.75
11ac VHT20	100	5500	21.75
11ac VHT20	120	5600	21.8
11ac VHT20	140	5700	21.8
11ac VHT40	102	5510	41.4
11ac VHT40	118	5590	41.4
11ac VHT40	134	5670	41.4
11ac VHT80	106	5530	82.24
11ac VHT80	122	5610	82.08

**9.5. Test Result and Data (99% Occupied Bandwidth)****In the 5.2GHz Band**

Modulation Type	Channel	Frequency (MHz)	99% Bandwidth(MHz)
			ANT A
11a	36	5180	16.92
11a	40	5200	16.95
11a	48	5240	16.92
11ac VHT20	36	5180	17.97
11ac VHT20	40	5200	18.03
11ac VHT20	48	5240	18.03
11ac VHT40	38	5190	36.60
11ac VHT40	46	5230	36.48
11ac VHT80	42	5210	75.60

In the 5.3GHz Band

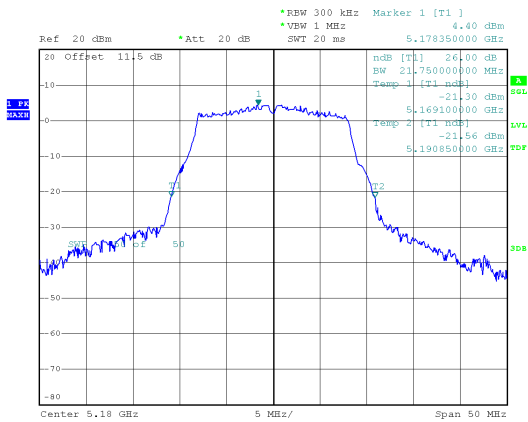
Modulation Type	Channel	Frequency (MHz)	99% Bandwidth(MHz)
			ANT A
11a	52	5260	16.98
11a	60	5300	16.92
11a	64	5320	16.92
11ac VHT20	52	5260	18.00
11ac VHT20	60	5300	18.00
11ac VHT20	64	5320	18.06
11ac VHT40	54	5270	36.54
11ac VHT40	62	5310	36.48
11ac VHT80	58	5290	75.60

**In the 5.5GHz Band**

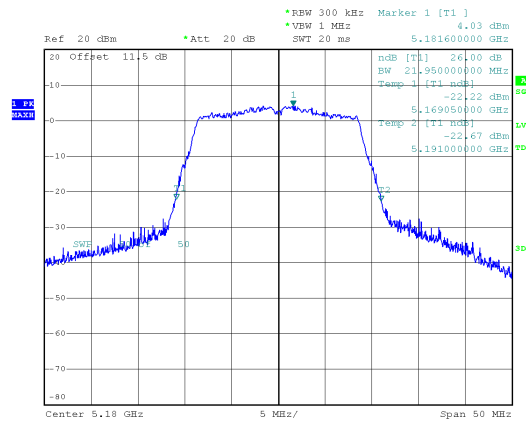
Modulation Type	Channel	Frequency (MHz)	99% Bandwidth(MHz)
			ANT A
11a	100	5500	16.95
11a	120	5600	16.89
11a	140	5700	16.95
11ac VHT20	100	5500	18.03
11ac VHT20	120	5600	18.00
11ac VHT20	140	5700	18.03
11ac VHT40	102	5510	36.54
11ac VHT40	118	5590	36.48
11ac VHT40	134	5670	36.60
11ac VHT80	106	5530	75.60
11ac VHT80	122	5610	75.72



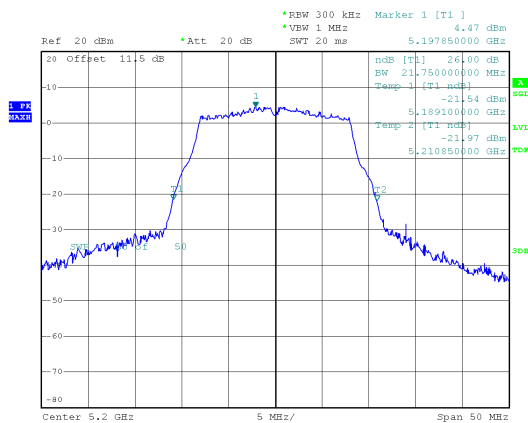
26dB Bandwidth
Band 1,
Modulation Type: 802.11a (6Mbps)
CH36



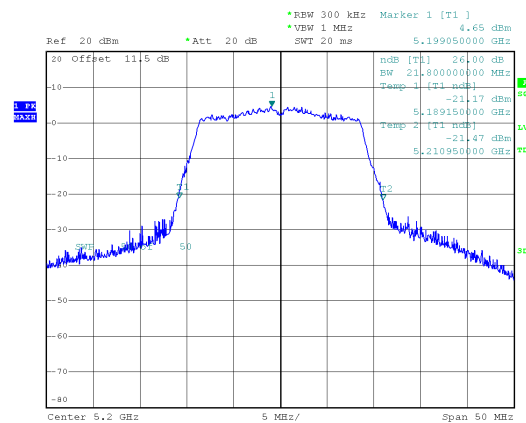
Modulation Type: 802.11ac, VHT20 (6.5Mbps)
CH36



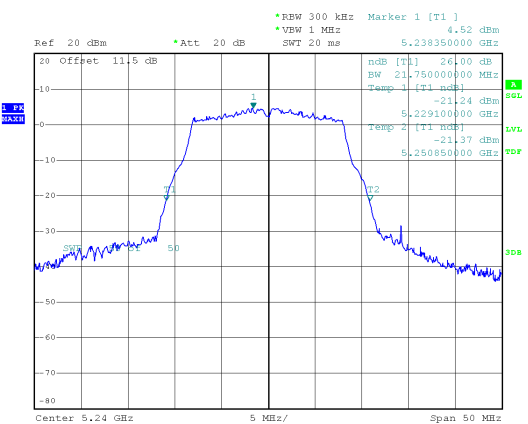
CH40



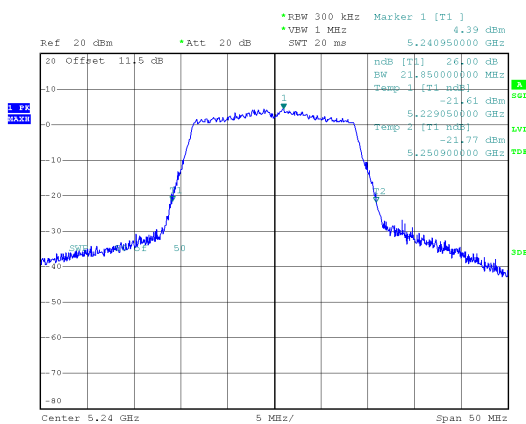
CH40



CH48

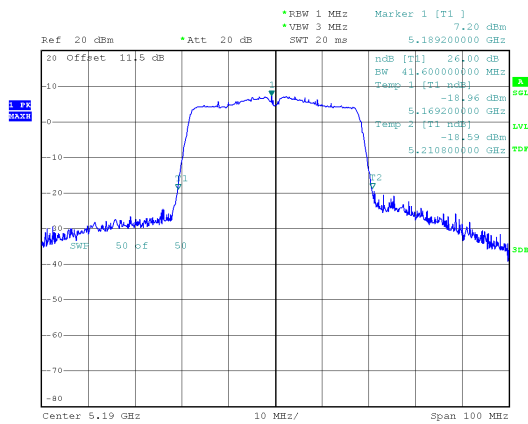


CH48

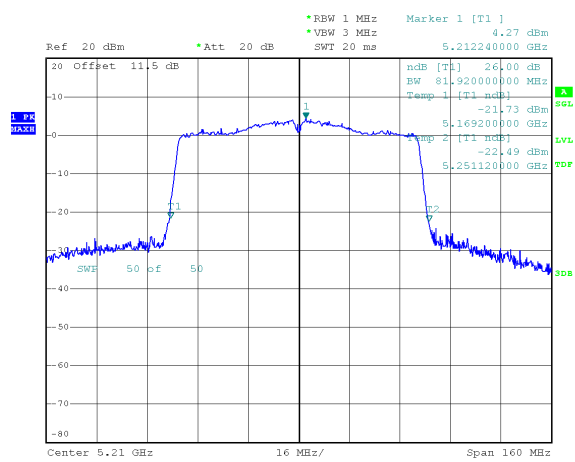




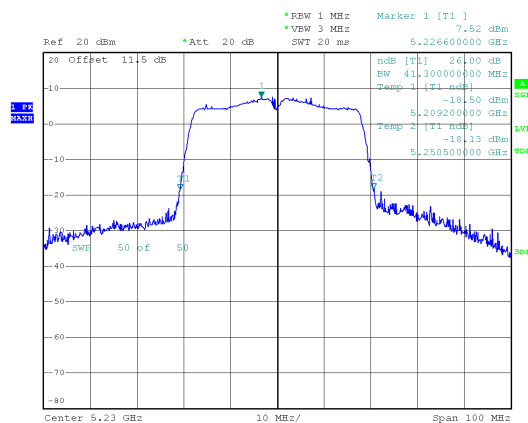
Band 1,
Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH38



Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH42

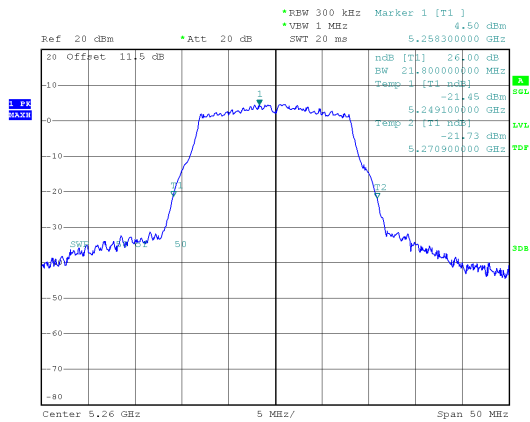


CH46

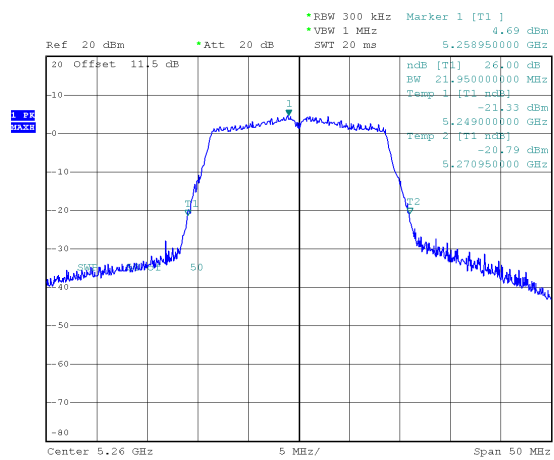




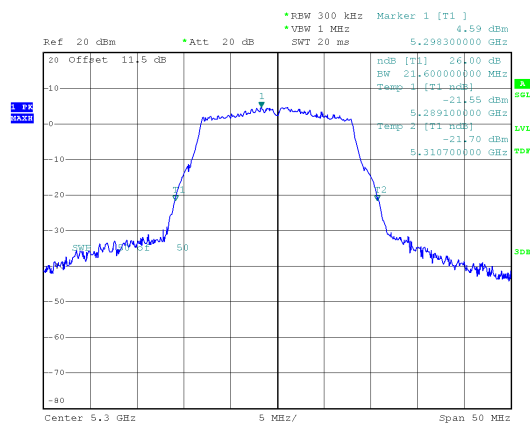
26dB Bandwidth
Band 2,
Modulation Type: 802.11a (6Mbps)
CH52



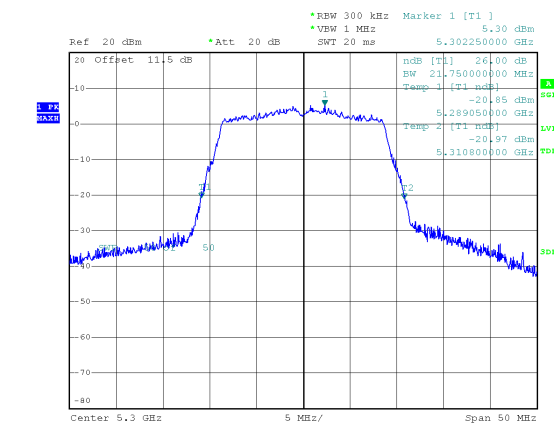
Modulation Type: 802.11ac, VHT20 (6.5Mbps)
CH52



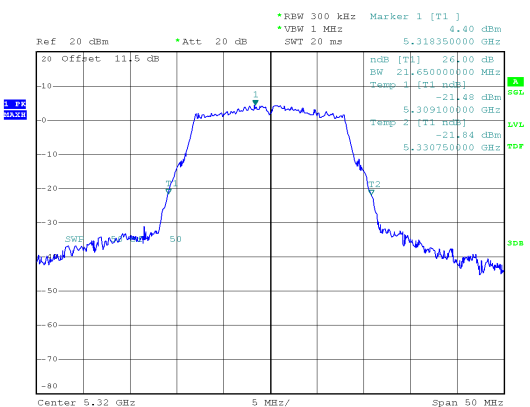
CH60



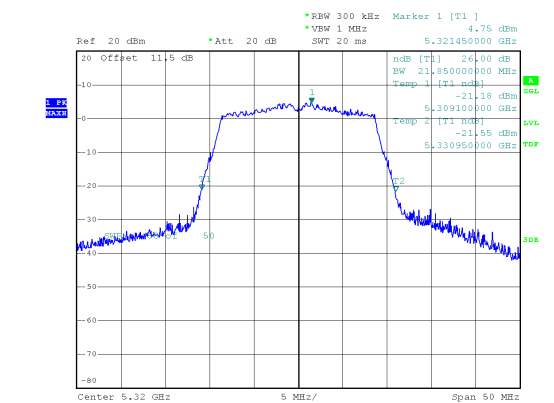
CH60



CH64

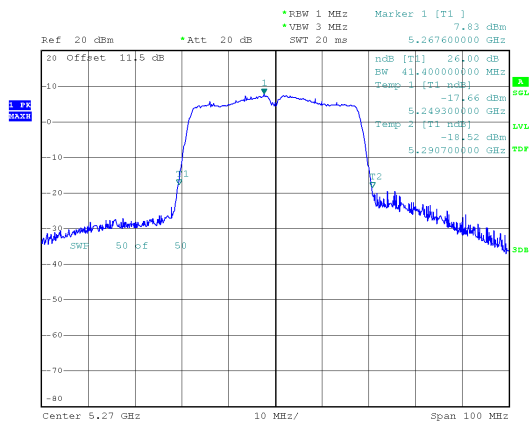


CH64

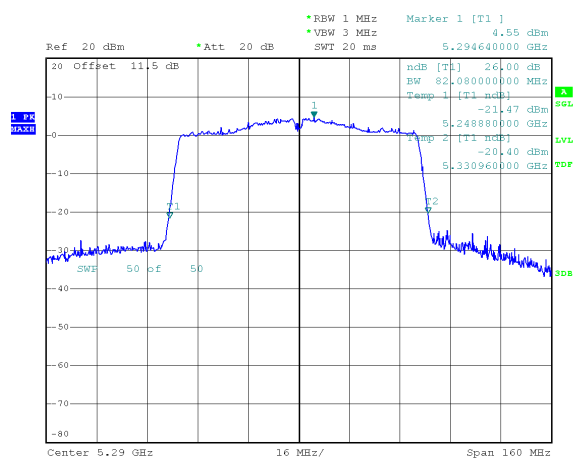




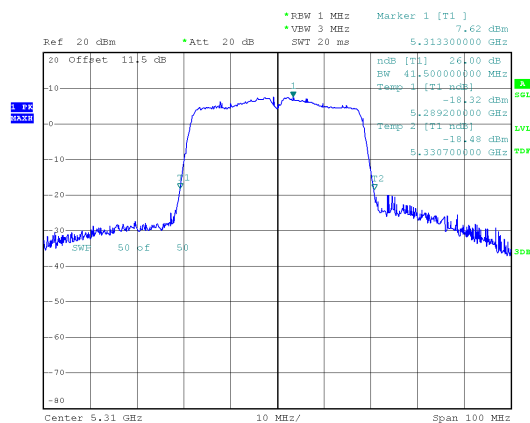
Band 2,
Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH54



Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH58

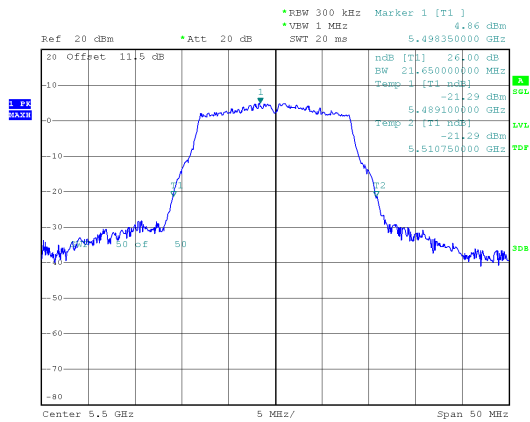


CH62

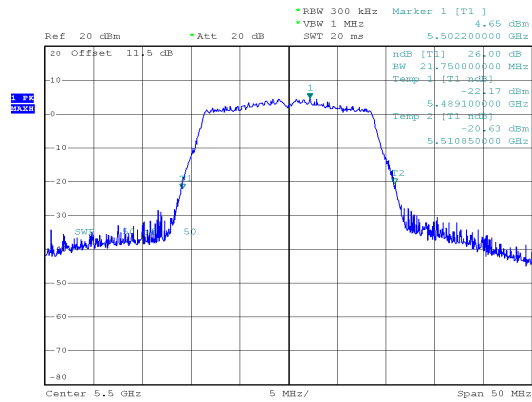




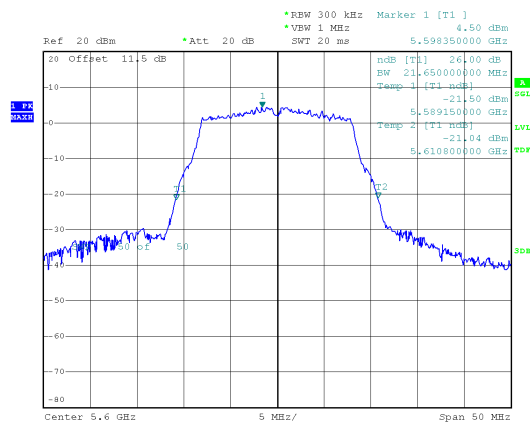
26dB Bandwidth
Band 3,
Modulation Type: 802.11a (6Mbps)
CH100



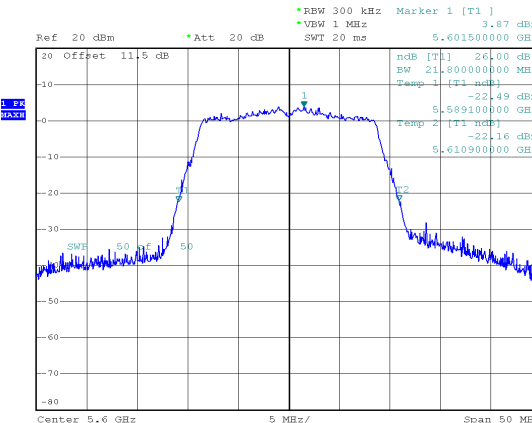
Modulation Type: 802.11ac, VHT20 (6.5Mbps)
CH100



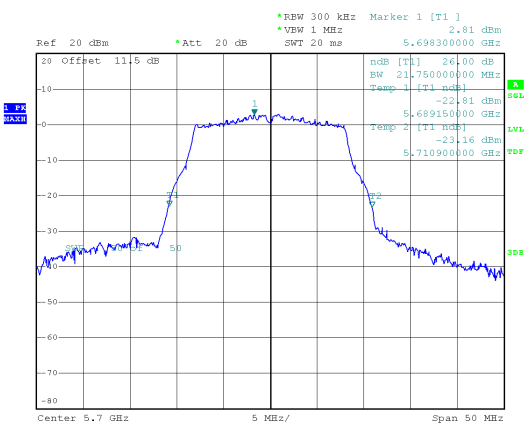
CH120



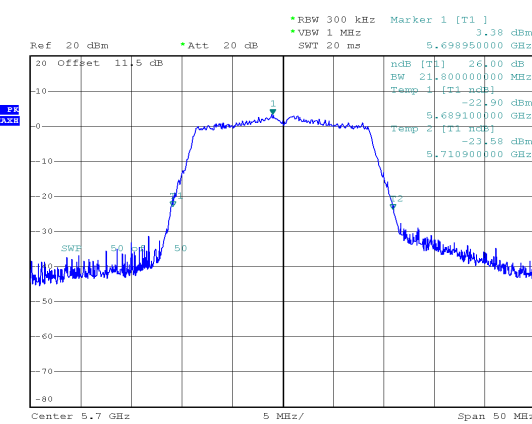
CH120



CH140

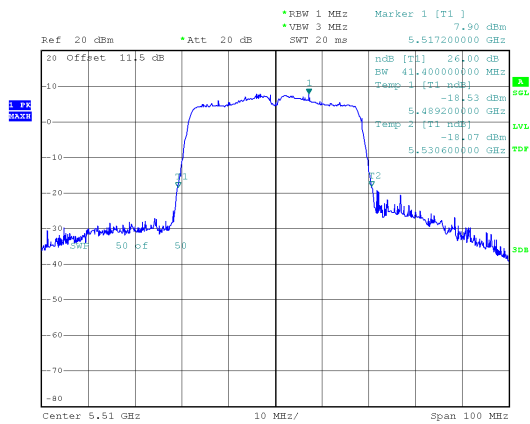


CH140

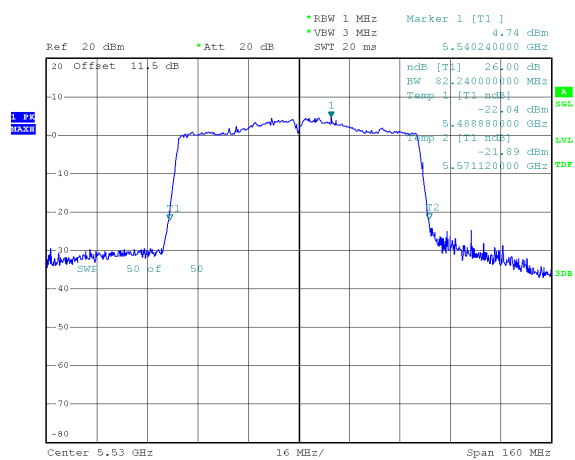




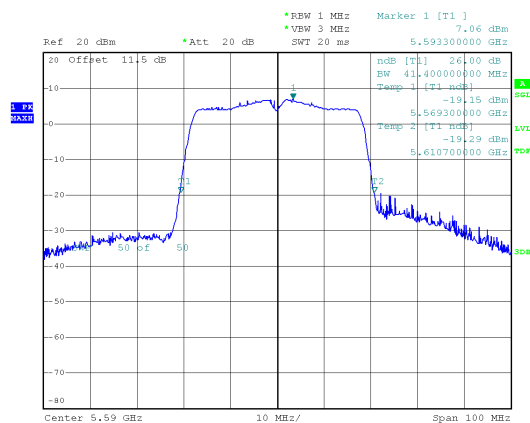
Band 3,
Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH102



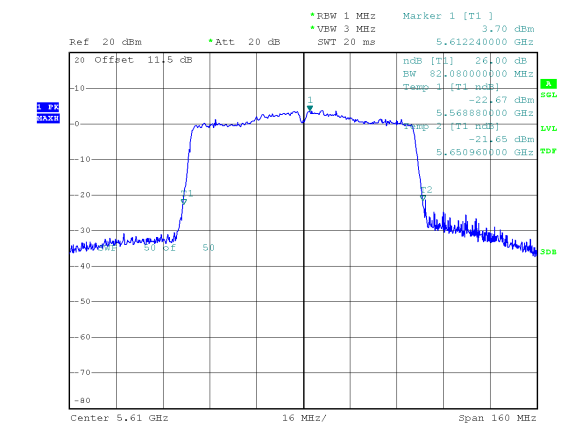
Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH106



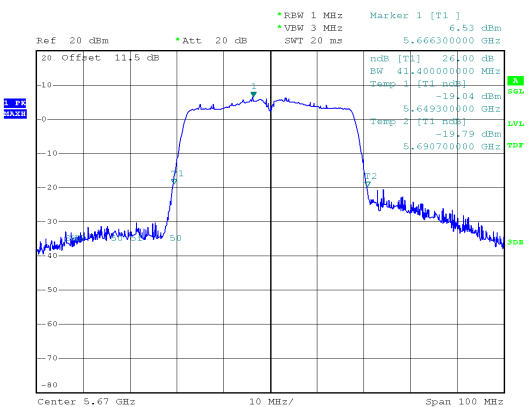
CH118



CH122



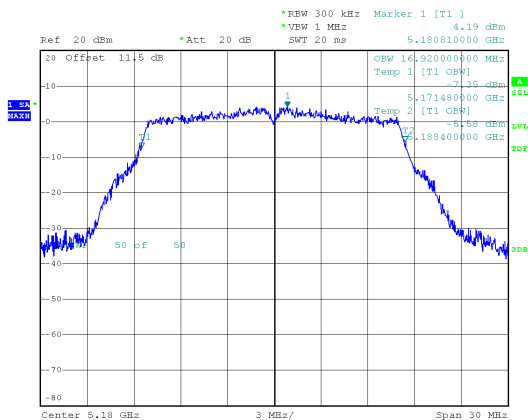
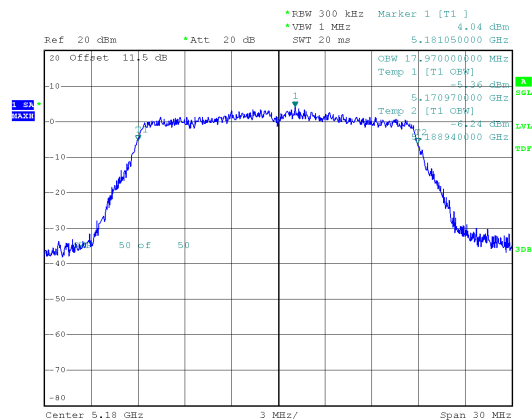
CH134



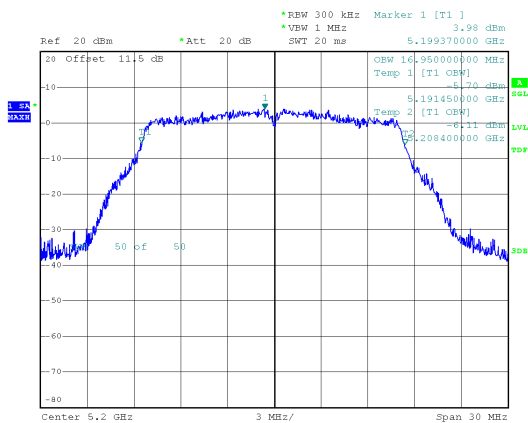


99% Bandwidth Band 1

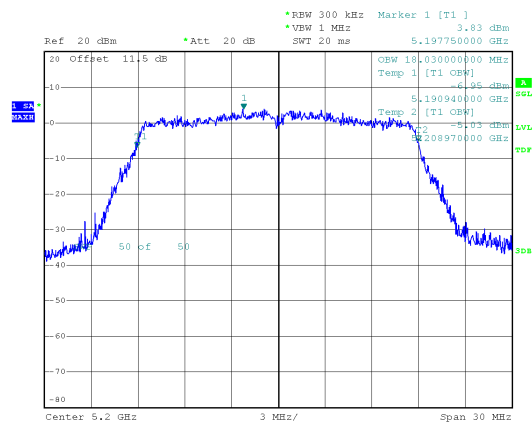
Modulation Type: 802.11a (6Mbps)
CH36

Modulation Type: 802.11ac, VHT20 (6.5Mbps)
CH36

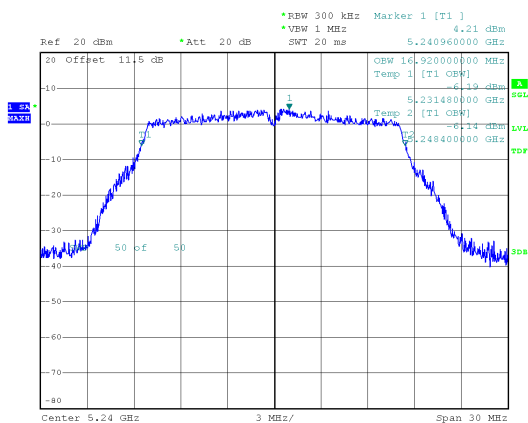
CH40



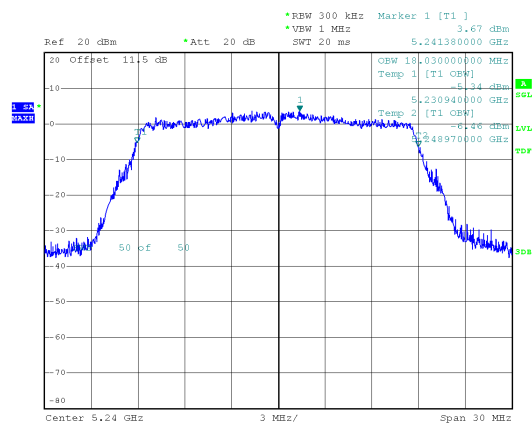
CH40



CH48



CH48

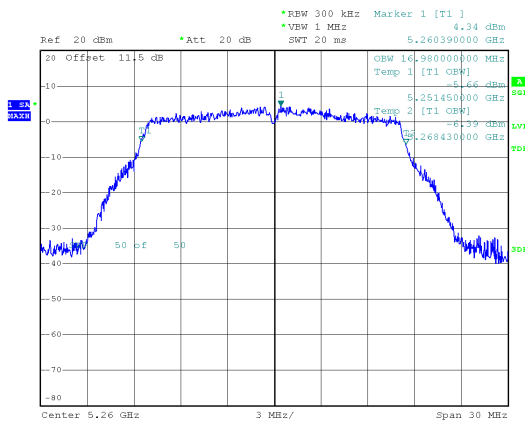




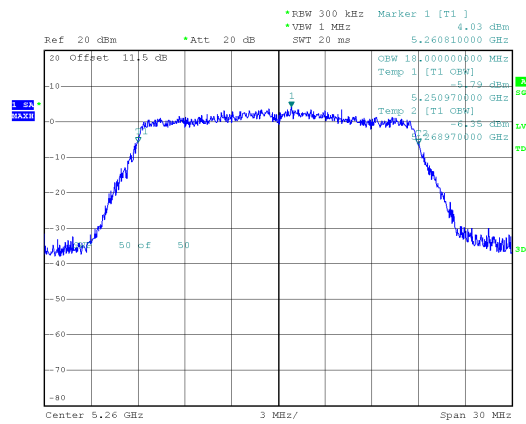


99% Bandwidth Band 2

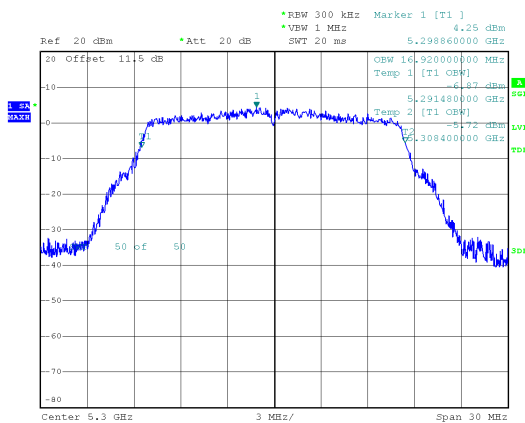
Modulation Type: 802.11a (6Mbps)
CH52



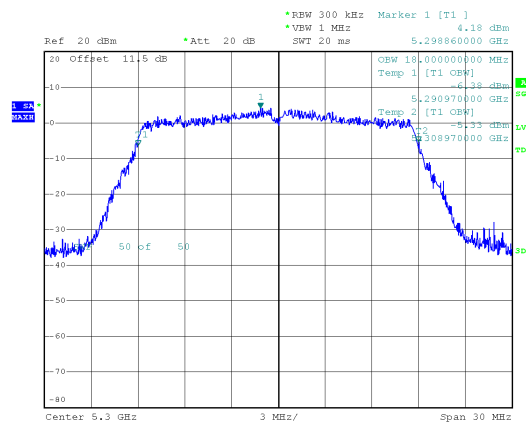
Modulation Type: 802.11ac, VHT20 (6.5Mbps)
CH52



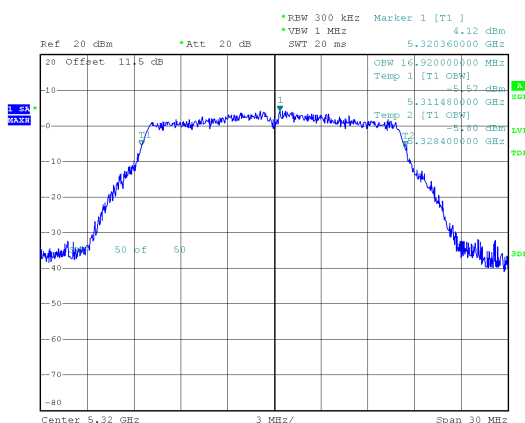
CH60



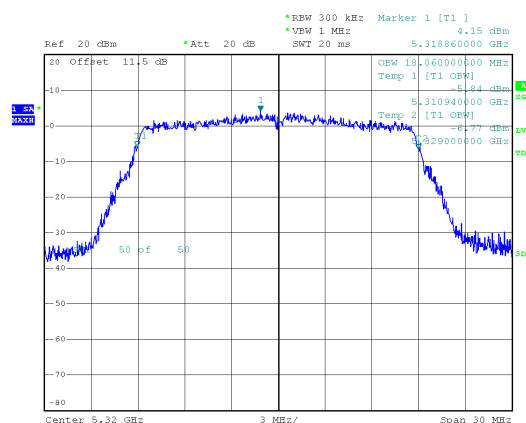
CH60



CH64

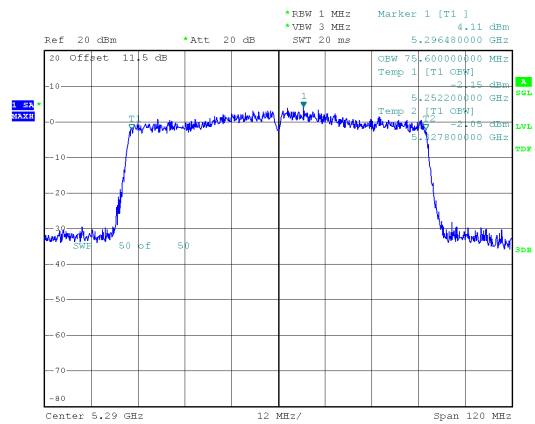
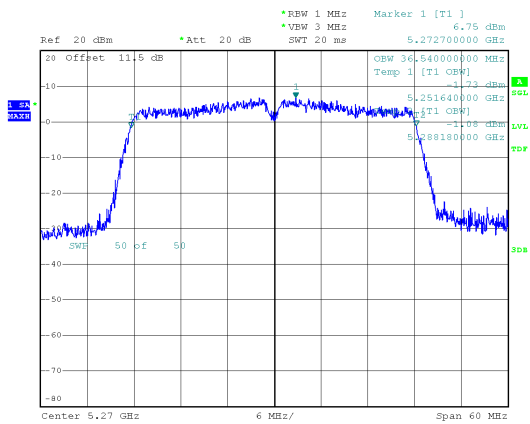


CH64

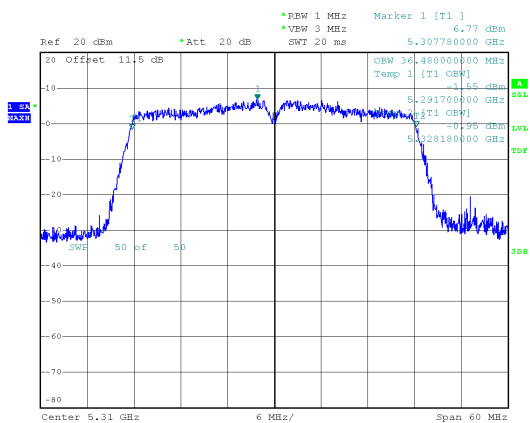




99% Bandwidth Band 2

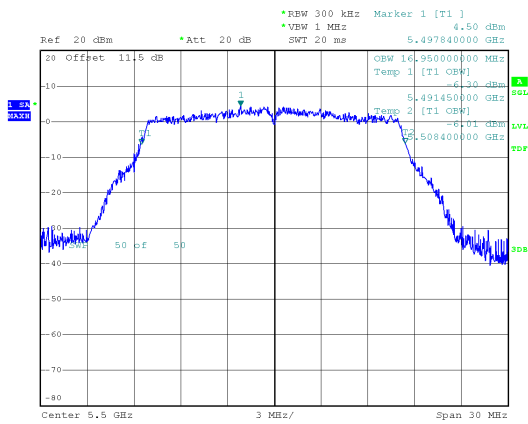
Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH54Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH58

CH62

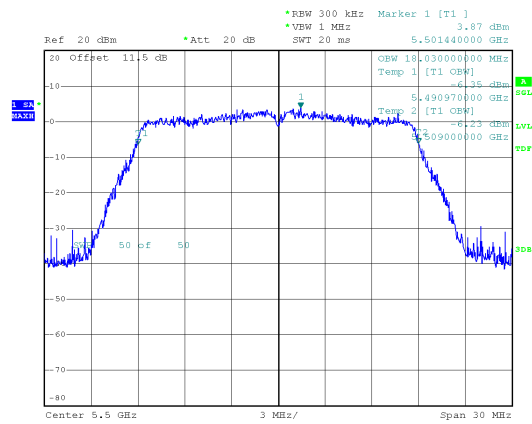




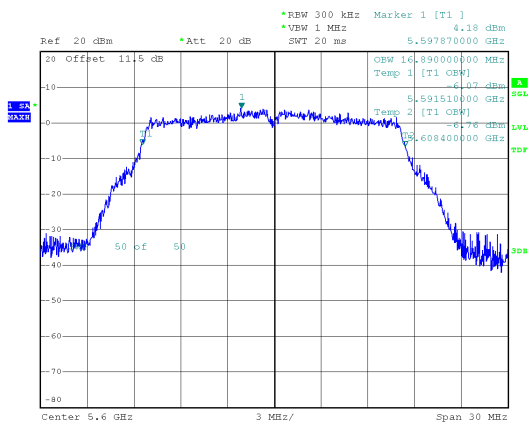
99% Bandwidth Band 3
Modulation Type: 802.11a (6Mbps)
CH100



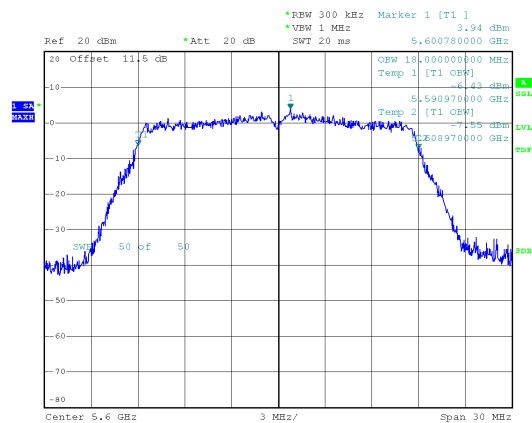
Modulation Type: 802.11ac, VHT20 (6.5Mbps)
CH100



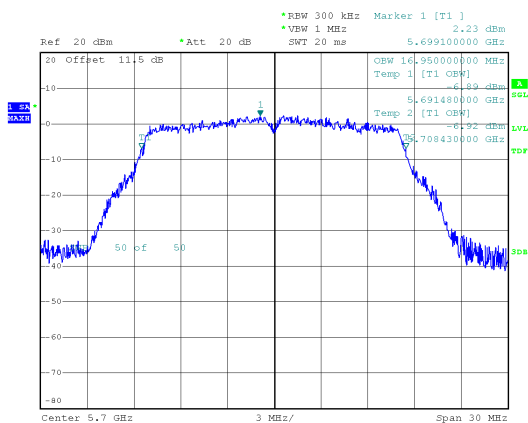
CH120



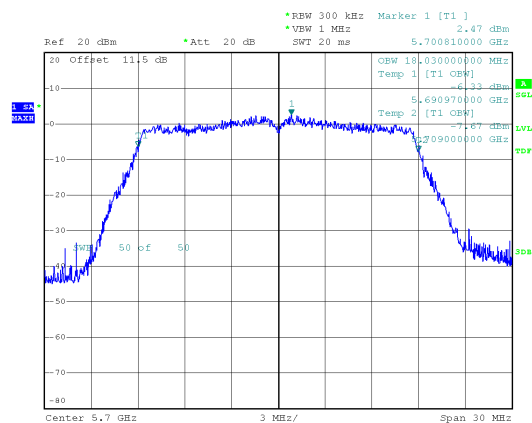
CH120



CH140



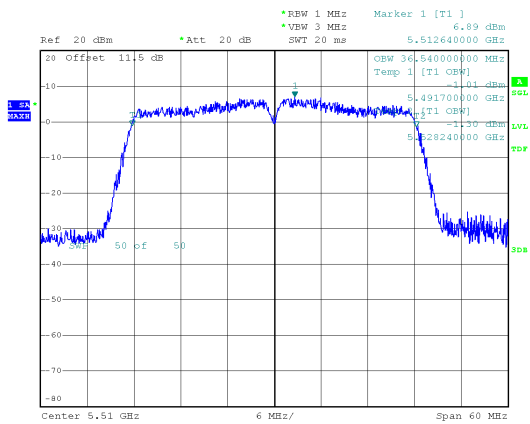
CH140



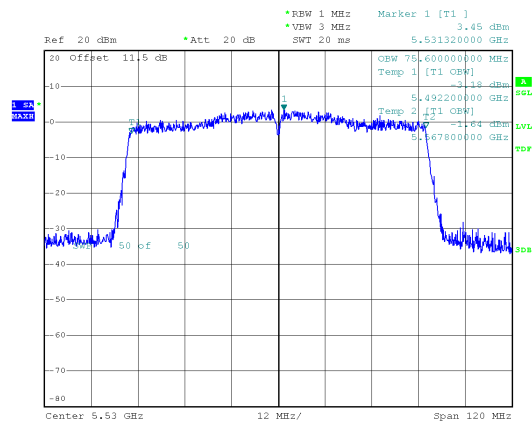


99% Bandwidth Band 3

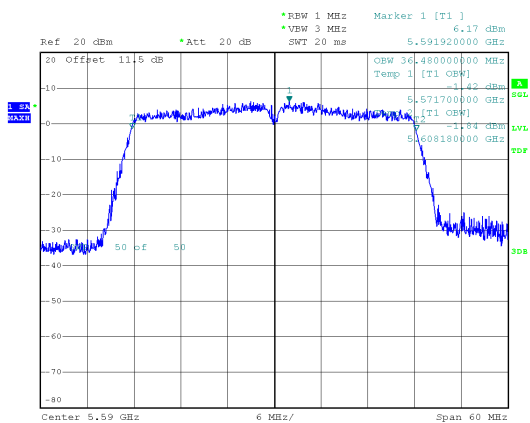
Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH102



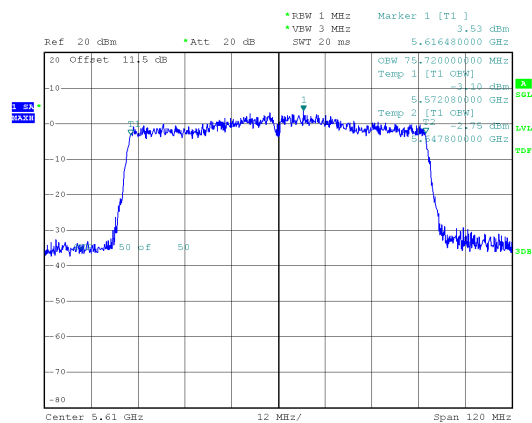
Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH106



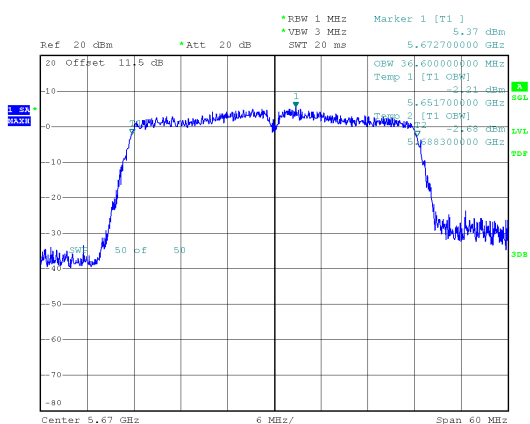
CH110



CH122



CH134





10. Average Power

10.1. Test Limit

Output Power:

Frequency Band		Limit
☒	5.15~5.25GHz	
	Operating Mode	
☐	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).
☒	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.
☐	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.
☒	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.



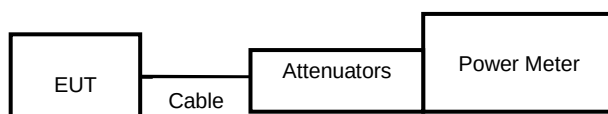
Frequency Band		Limit
☒	5.25-5.35 GHz	The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW (24dBm) or 11 dBm 10 log B, where B is the 26 dB emission bandwidth in megahertz. If transmitting antennas of directional gain greater than 6 dBi are used, 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.
☒	5.470-5.725 GHz	
☒	5.725~5.85 GHz	The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm). 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. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power.

10.2.Test Procedure

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

In the 5.2GHz Band

Modulation Type	Data Rate	Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)	Total power (dBm)	Total power (mW)	FCC Limit (dBm)
					ANT A			
11a	6 Mbps	default	36	5180	12.72	12.72	18.707	24.00
11a	6 Mbps	default	40	5200	12.76	12.76	18.880	24.00
11a	6 Mbps	default	48	5240	12.90	12.90	19.498	24.00
11n HT20	MCS 0	default	36	5180	12.30	12.30	16.982	24.00
11n HT20	MCS 0	default	40	5200	12.42	12.42	17.458	24.00
11n HT20	MCS 0	default	48	5240	12.59	12.59	18.155	24.00
11n HT40	MCS 0	default	38	5190	12.44	12.44	17.539	24.00
11n HT40	MCS 0	default	46	5230	12.43	12.43	17.498	24.00
11ac VHT20	NSS1-MCS0	default	36	5180	12.39	12.39	17.338	24.00
11ac VHT20	NSS1-MCS0	default	40	5200	12.51	12.51	17.824	24.00
11ac VHT20	NSS1-MCS0	default	48	5240	12.62	12.62	18.281	24.00
11ac VHT40	NSS1-MCS0	default	38	5190	12.49	12.49	17.742	24.00
11ac VHT40	NSS1-MCS0	default	46	5230	12.58	12.58	18.113	24.00
11ac VHT80	NSS1-MCS0	default	42	5210	12.15	12.15	16.406	24.00

**In the 5.3GHz Band**

Modulation Type	Data Rate	Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)	Total power (dBm)	Total power (mW)	FCC Limit (dBm)
					ANT A			
11a	6 Mbps	default	52	5260	12.98	12.98	19.861	24.00
11a	6 Mbps	default	60	5300	12.96	12.96	19.770	24.00
11a	6 Mbps	default	64	5320	12.92	12.92	19.588	24.00
11n HT20	MCS 0	default	52	5260	12.47	12.47	17.660	24.00
11n HT20	MCS 0	default	60	5300	12.45	12.45	17.579	24.00
11n HT20	MCS 0	default	64	5320	12.39	12.39	17.338	24.00
11n HT40	MCS 0	default	54	5270	12.51	12.51	17.824	24.00
11n HT40	MCS 0	default	62	5310	12.57	12.57	18.072	24.00
11ac VHT20	NSS1-MCS0	default	52	5260	12.58	12.58	18.113	24.00
11ac VHT20	NSS1-MCS0	default	60	5300	12.59	12.59	18.155	24.00
11ac VHT20	NSS1-MCS0	default	64	5320	12.52	12.52	17.865	24.00
11ac VHT40	NSS1-MCS0	default	54	5270	12.70	12.70	18.621	24.00
11ac VHT40	NSS1-MCS0	default	62	5310	12.61	12.61	18.239	24.00
11ac VHT80	NSS1-MCS0	default	58	5290	12.28	12.28	16.904	24.00



In the 5.5GHz Band

Modulation Type	Data Rate	Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)	Total power (dBm)	Total power (mW)	FCC Limit (dBm)
					ANT A			
11a	6 Mbps	default	100	5500	11.99	11.99	15.812	24.00
11a	6 Mbps	default	120	5600	11.30	11.30	13.490	24.00
11a	6 Mbps	default	140	5700	10.85	10.85	12.162	24.00
11n HT20	MCS 0	default	100	5500	11.58	11.58	14.388	24.00
11n HT20	MCS 0	default	120	5600	10.95	10.95	12.445	24.00
11n HT20	MCS 0	default	140	5700	10.30	10.30	10.715	24.00
11n HT40	MCS 0	default	102	5510	11.68	11.68	14.723	24.00
11n HT40	MCS 0	default	118	5590	11.18	11.18	13.122	24.00
11n HT40	MCS 0	default	134	5670	10.70	10.70	11.749	24.00
11ac VHT20	NSS1-MCS0	default	100	5500	11.71	11.71	14.825	24.00
11ac VHT20	NSS1-MCS0	default	120	5600	11.08	11.08	12.823	24.00
11ac VHT20	NSS1-MCS0	default	140	5700	10.43	10.43	11.041	24.00
11ac VHT40	NSS1-MCS0	default	102	5510	11.80	11.80	15.136	24.00
11ac VHT40	NSS1-MCS0	default	118	5590	11.32	11.32	13.552	24.00
11ac VHT40	NSS1-MCS0	default	134	5670	10.82	10.82	12.078	24.00
11ac VHT80	NSS1-MCS0	default	106	5530	11.13	11.13	12.972	24.00
11ac VHT80	NSS1-MCS0	default	122	5610	10.67	10.67	11.668	24.00

**In the 5.8GHz Band**

Modulation Type	Data Rate	Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)	Total power (dBm)	Total power (mW)	FCC Limit (dBm)
					ANT A			
11a	6 Mbps	default	149	5745	11.11	11.11	12.912	30.00
11a	6 Mbps	default	157	5785	11.03	11.03	12.677	30.00
11a	6 Mbps	default	165	5825	11.09	11.09	12.853	30.00
11n HT20	MCS 0	default	149	5745	10.51	10.51	11.246	30.00
11n HT20	MCS 0	default	157	5785	10.45	10.45	11.092	30.00
11n HT20	MCS 0	default	165	5825	10.62	10.62	11.535	30.00
11n HT40	MCS 0	default	151	5755	10.60	10.60	11.482	30.00
11n HT40	MCS 0	default	159	5795	10.78	10.78	11.967	30.00
11ac VHT20	NSS1-MCS0	default	149	5745	10.63	10.63	11.561	30.00
11ac VHT20	NSS1-MCS0	default	157	5785	10.58	10.58	11.429	30.00
11ac VHT20	NSS1-MCS0	default	165	5825	10.75	10.75	11.885	30.00
11ac VHT40	NSS1-MCS0	default	151	5755	10.75	10.75	11.885	30.00
11ac VHT40	NSS1-MCS0	default	159	5795	10.92	10.92	12.359	30.00
11ac VHT80	NSS1-MCS0	default	155	5775	10.33	10.33	10.789	30.00



11. Maximum Power Spectral Density

11.1. Test Limit

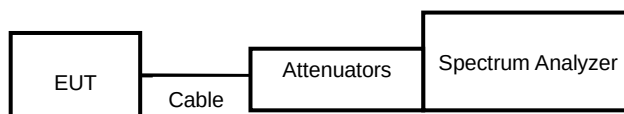
PSD:

Frequency Band		Limit
☒	5.15~5.25GHz	
	Operating Mode	
☐	Outdoor access point	17 dBm/MHz
☐	Indoor access point	17 dBm/MHz
☐	Fixed point-to-point access points	17 dBm/MHz
☒	client devices	11 dBm/MHz
☒	5.250~5.350 GHz	11 dBm/MHz
☒	5.470~5.725 GHz	11 dBm/MHz
☒	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

In the 5.2GHzHz 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 A				
11a	36	5180	1.77	1.77	0.14	1.91	11.00
11a	40	5200	1.74	1.74	0.14	1.88	11.00
11a	48	5240	1.94	1.94	0.14	2.08	11.00
11ac VHT20	36	5180	1.16	1.16	0.14	1.30	11.00
11ac VHT20	40	5200	1.25	1.25	0.14	1.39	11.00
11ac VHT20	48	5240	1.15	1.15	0.14	1.29	11.00
11ac VHT40	38	5190	-2.00	-2.00	0.28	-1.72	11.00
11ac VHT40	46	5230	-1.95	-1.95	0.28	-1.67	11.00
11ac VHT80	42	5210	-5.34	-5.34	0.52	-4.82	11.00

In the 5.3GHzHz 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 A				
11a	52	5260	1.93	1.93	0.14	2.07	11.00
11a	60	5300	1.95	1.95	0.14	2.09	11.00
11a	64	5320	1.78	1.78	0.14	1.92	11.00
11ac VHT20	52	5260	1.15	1.15	0.14	1.29	11.00
11ac VHT20	60	5300	1.33	1.33	0.14	1.47	11.00
11ac VHT20	64	5320	1.27	1.27	0.14	1.41	11.00
11ac VHT40	54	5270	-1.63	-1.63	0.28	-1.35	11.00
11ac VHT40	62	5310	-1.78	-1.78	0.28	-1.50	11.00
11ac VHT80	58	5290	-4.91	-4.91	0.52	-4.39	11.00

**In the 5.5GHzHz 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 A				
11a	100	5500	2.08	2.08	0.14	2.22	11.00
11a	120	5600	1.72	1.72	0.14	1.86	11.00
11a	140	5700	0.09	0.09	0.14	0.23	11.00
11ac VHT20	100	5500	1.12	1.12	0.14	1.26	11.00
11ac VHT20	120	5600	0.44	0.44	0.14	0.58	11.00
11ac VHT20	140	5700	-0.29	-0.29	0.14	-0.15	11.00
11ac VHT40	102	5510	-1.74	-1.74	0.28	-1.46	11.00
11ac VHT40	118	5590	-2.25	-2.25	0.28	-1.97	11.00
11ac VHT40	134	5670	-3.24	-3.24	0.28	-2.96	11.00
11ac VHT80	106	5530	-4.99	-4.99	0.52	-4.47	11.00
11ac VHT80	122	5610	-5.61	-5.61	0.52	-5.09	11.00

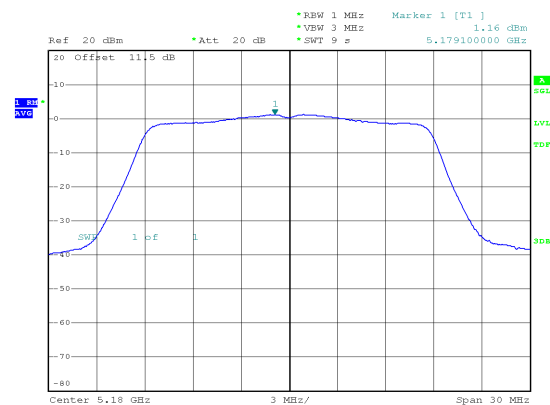
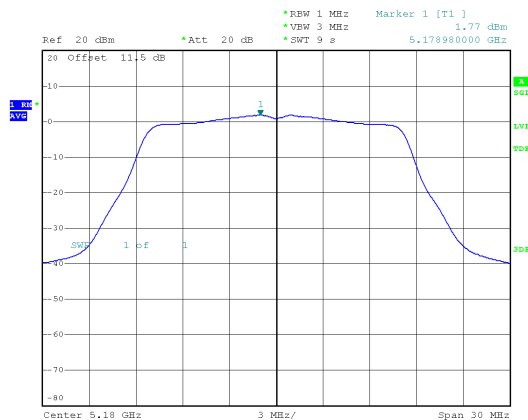
In the 5.8GHzHz Band

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 A					
11a	149	5745	0.49	0.49	0.14	-3.01	-2.38	30.00
11a	157	5785	0.52	0.52	0.14	-3.01	-2.35	30.00
11a	165	5825	0.05	0.05	0.14	-3.01	-2.82	30.00
11ac VHT20	149	5745	-0.43	-0.43	0.14	-3.01	-3.30	30.00
11ac VHT20	157	5785	-0.09	-0.09	0.14	-3.01	-2.96	30.00
11ac VHT20	165	5825	-0.53	-0.53	0.14	-3.01	-3.40	30.00
11ac VHT40	151	5755	-3.12	-3.12	0.28	-3.01	-5.85	30.00
11ac VHT40	159	5795	-3.15	-3.15	0.28	-3.01	-5.88	30.00
11ac VHT80	155	5775	-6.69	-6.69	0.52	-3.01	-9.18	30.00

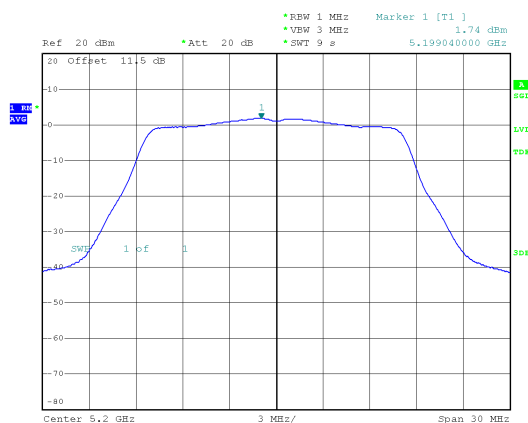


Band 1,
Modulation Type: 802.11a (6Mbps)
CH36

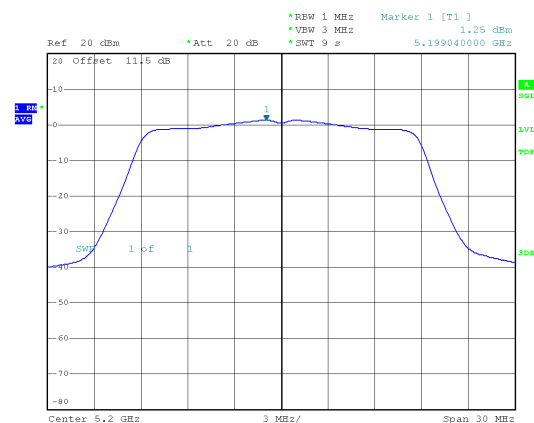
Modulation Type: 802.11ac VHT20 (6.5Mbps)
CH36



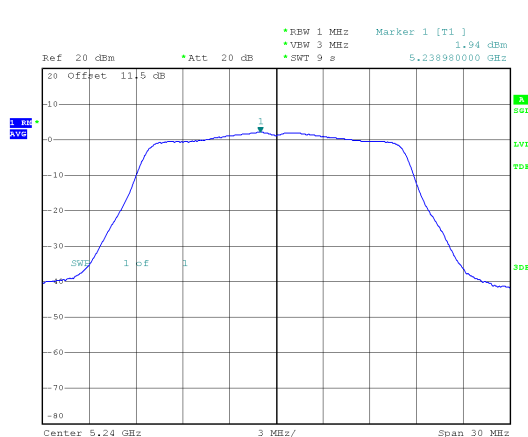
CH40



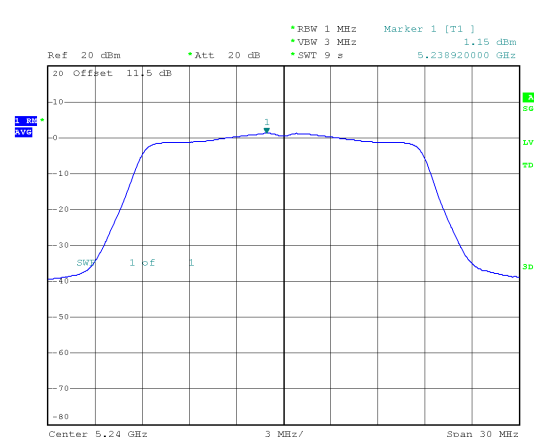
CH40



CH48



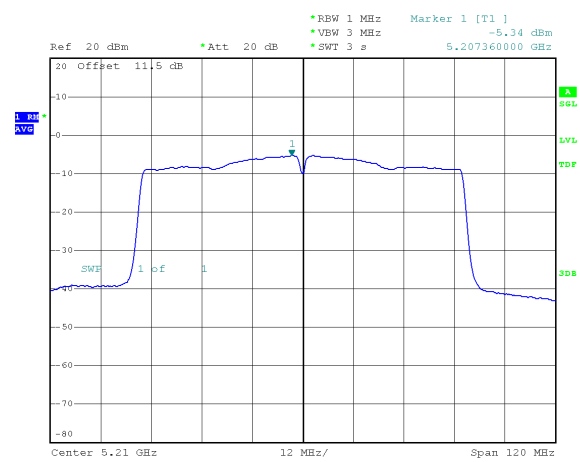
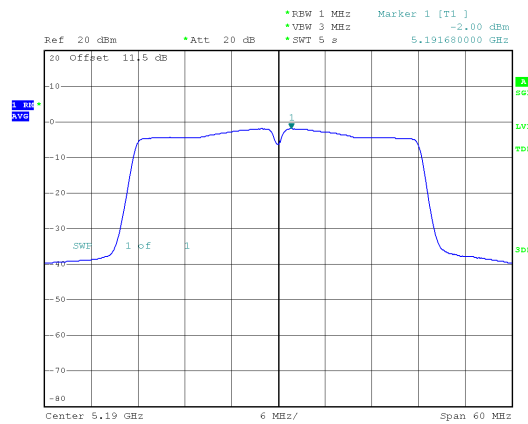
CH48



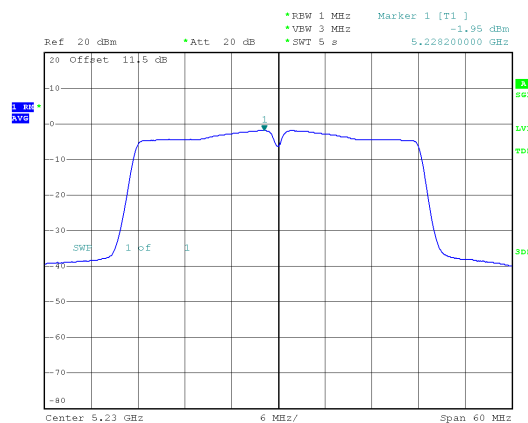


Band 1,
Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH38

Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH42

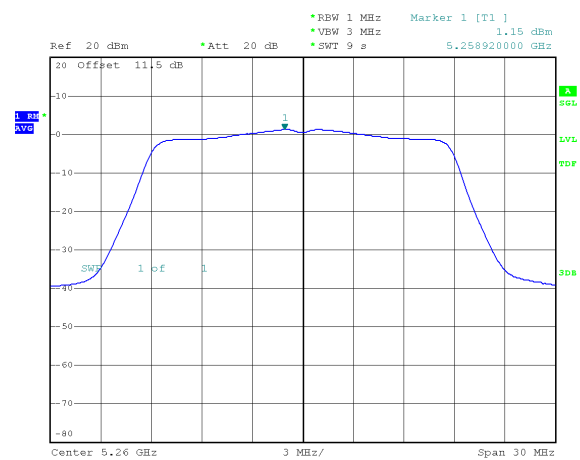


CH46

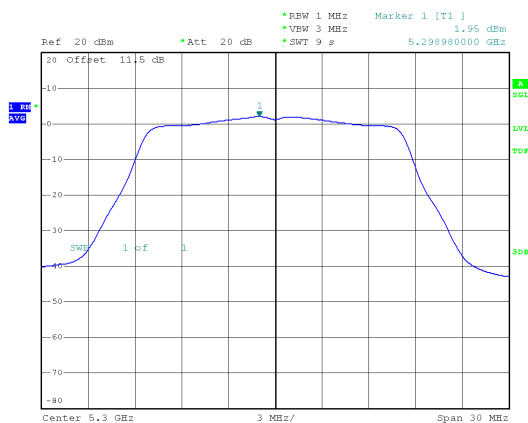




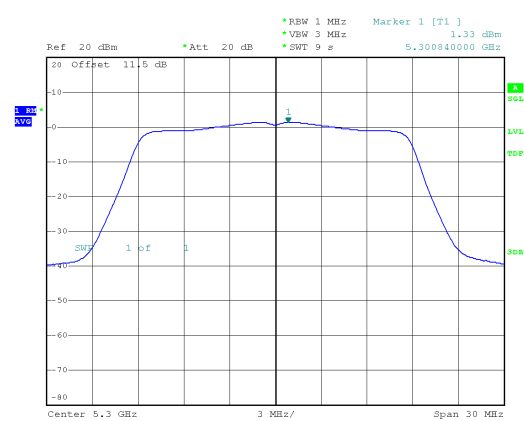
Modulation Type: 802.11ac VHT20 (6.5Mbps)
CH52



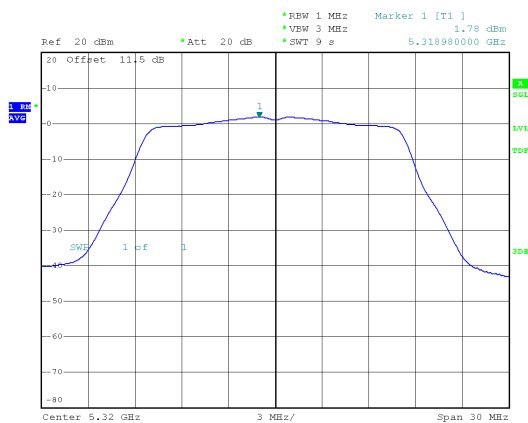
CH60



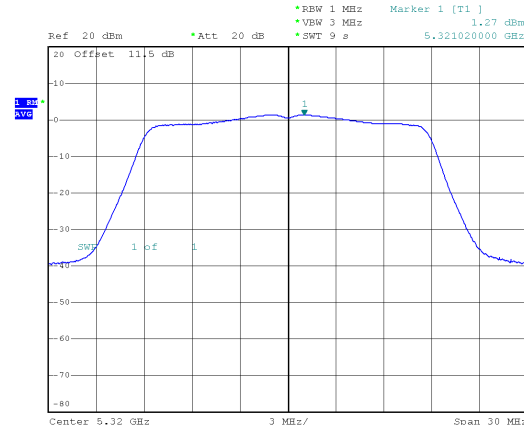
CH60



CH64

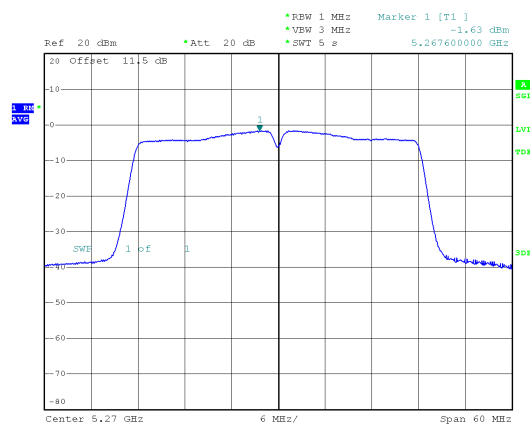


CH64

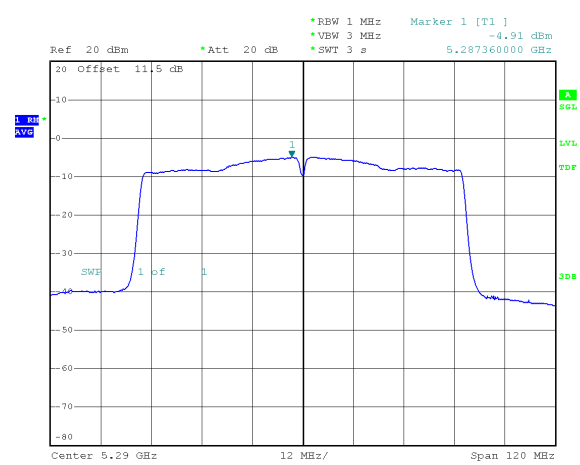




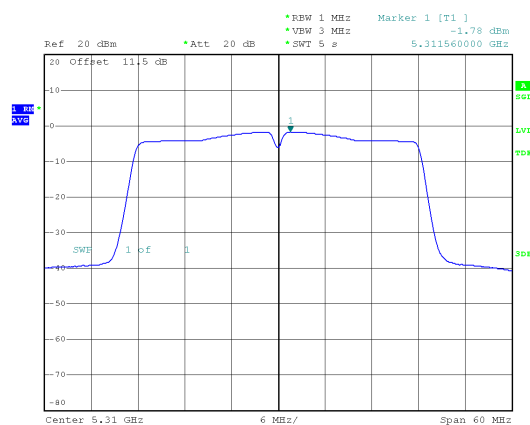
Band 2,
Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH54



Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH58

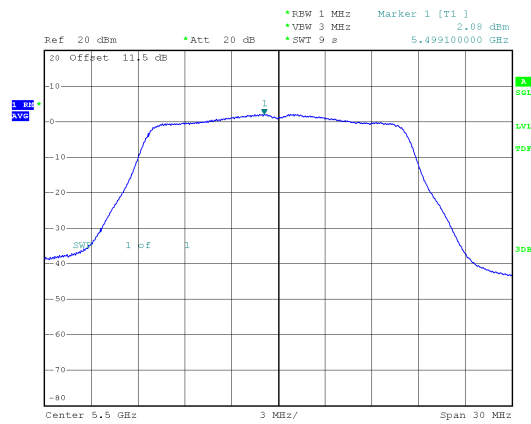


CH62

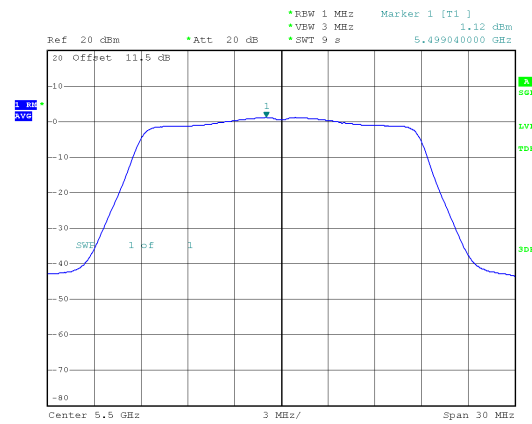




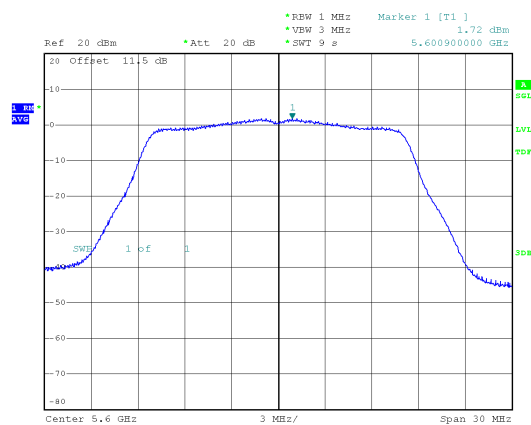
Band 3,
Modulation Type: 802.11a (6Mbps)
CH100



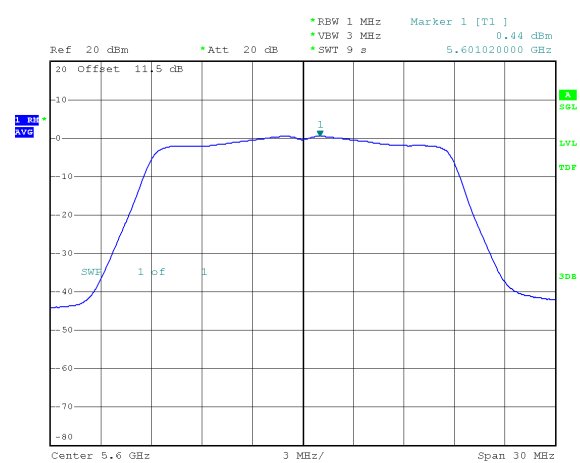
Modulation Type: 802.11ac VHT20 (6Mbps)
CH100



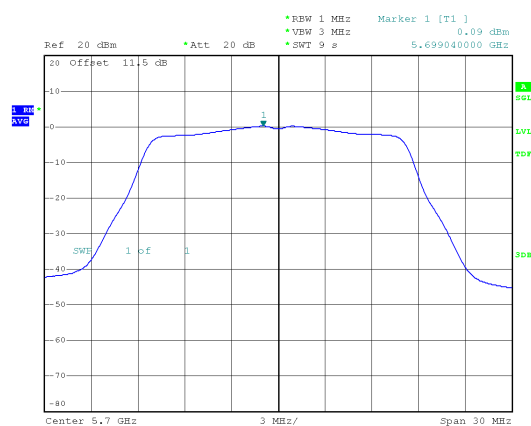
CH120



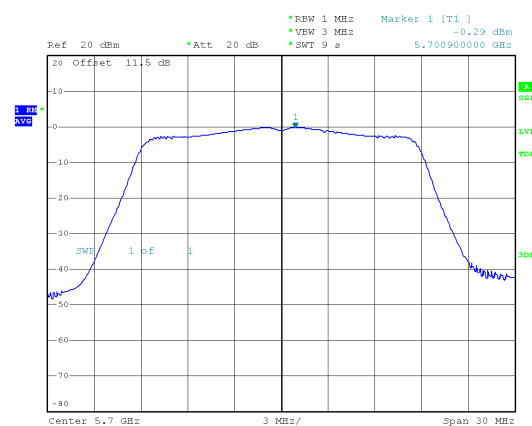
CH120



CH140



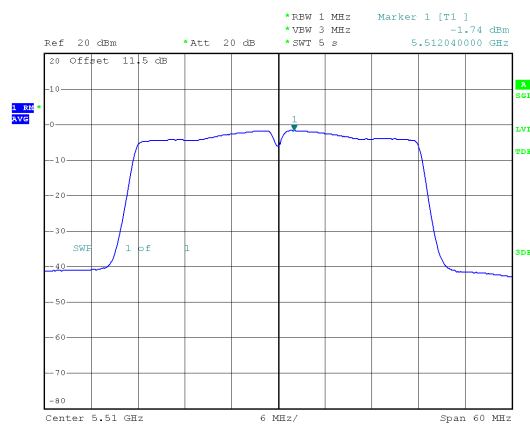
CH140



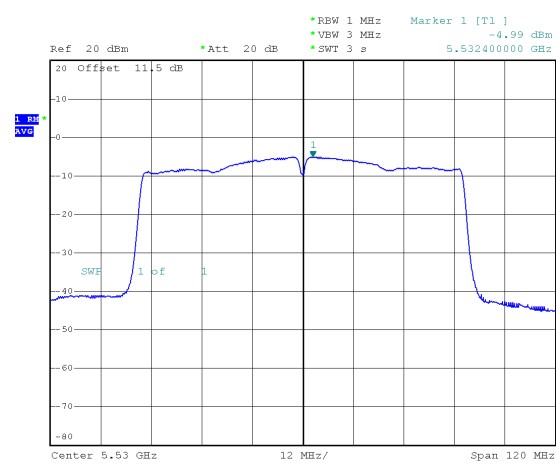


Band 3

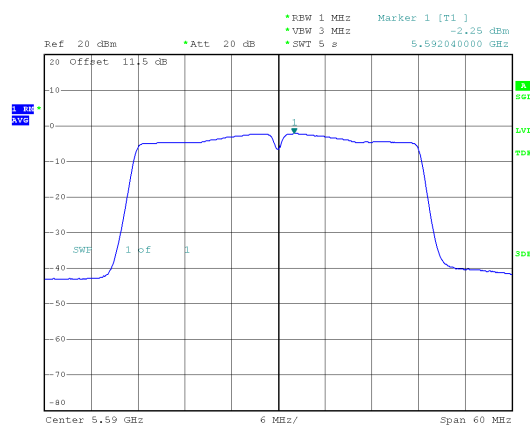
Modulation Type: 802.11ac VHT40 (6.5Mbps)
CH102



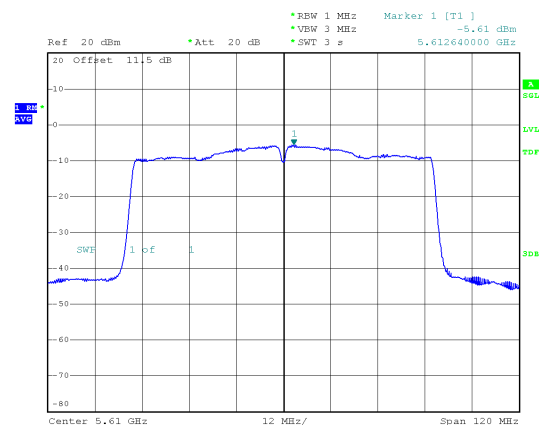
Modulation Type: 802.11ac VHT80 (6.5Mbps)
CH106



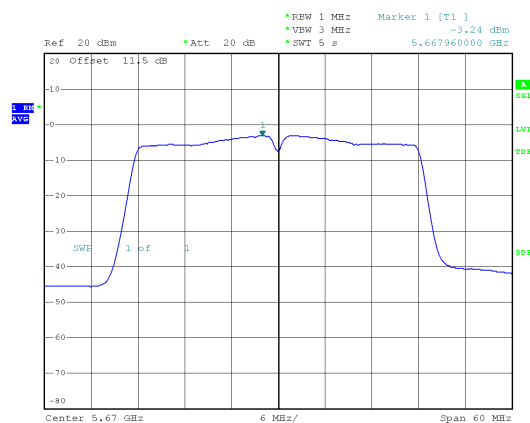
CH118



CH122



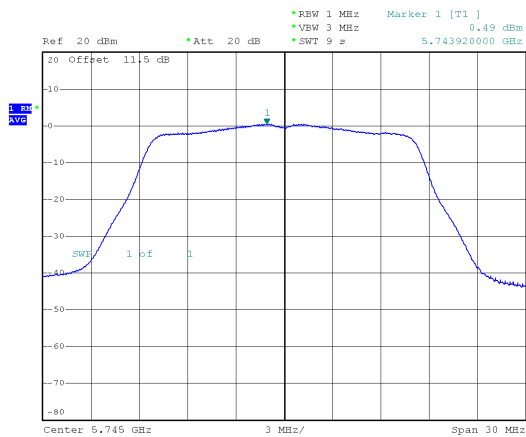
CH134



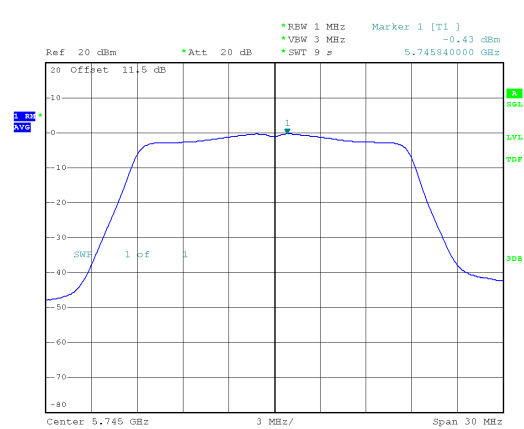


Band 4

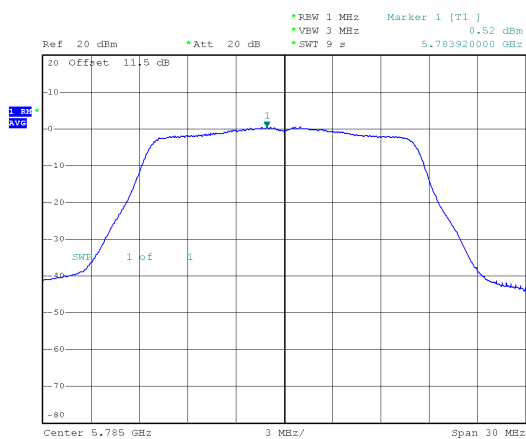
Modulation Type: 802.11a (13.5Mbps)
CH149



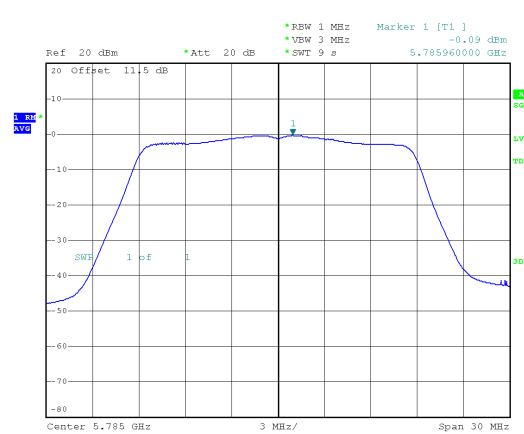
Modulation Type: 802.11ac VHT20 (13.5Mbps)
CH149



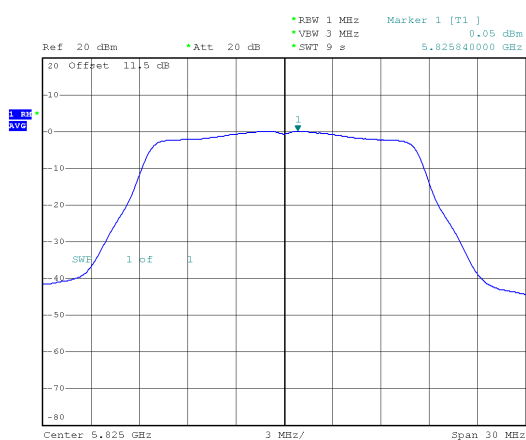
CH157



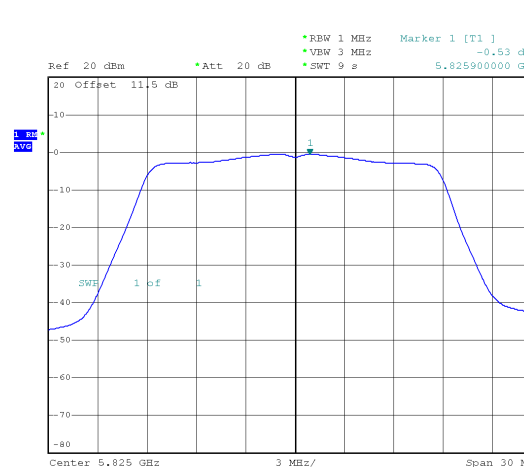
CH157



CH165



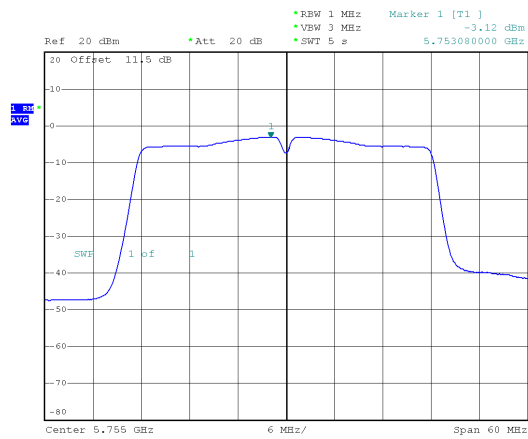
CH165



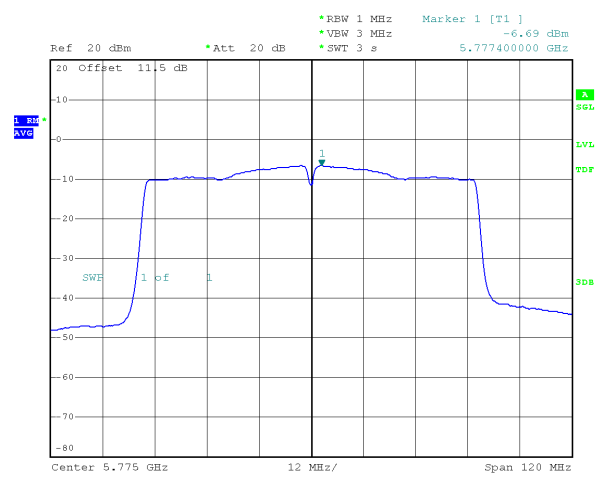


Band 4

Modulation Type: 802.11ac VHT40 (29.3Mbps)
CH151



Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH155



CH159

