Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11g CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 4: EUT 1 + Set 5 Panel Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4913.60	32.63	54.00	-21.37	28.18	5.97	32.97	34.49	253	122	Average	HORIZONTAL
2	4925.10	45.78	74.00	-28.22	41.34	5.94	32.99	34.49	253	122	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4908.40	46.82	74.00	-27.18	42.37	6.00	32.95	34.50	274	165	Peak	VERTICAL
2	4925.20	36.48	54.00	-17.52	32.04	5.94	32.99	34.49	274	165	Average	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 4: EUT 1 + Set 5 Panel Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4808.90	32.70	54.00	-21.30	28.22	6.21	32.80	34.53	288	156	Average	HORIZONTAL
2	4825.30	45.29	74.00	-28.71	40.82	6.15	32.84	34.52	288	156	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4799.50	35.83	54.00	-18.17	31.35	6.21	32.80	34.53	310	129	Average	VERTICAL
2	4815.10	46.28	74.00	-27.72	41.80	6.18	32.82	34.52	310	129	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 4: EUT 1 + Set 5 Panel Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4875.10	34.77	54.00	-19.23	30.31	6.06	32.91	34.51	196	142	Average	HORIZONTAL
2	4876.70	47.82	74.00	-26.18	43.36	6.06	32.91	34.51	196	142	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4874.80	39.55	54.00	-14.45	35.09	6.06	32.91	34.51	193	151	Average	VERTICAL
2	4876.60	52.78	74.00	-21.22	48.32	6.06	32.91	34.51	193	151	Peak	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 4: EUT 1 + Set 5 Panel Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4922.90	32.34	54.00	-21.66	27.89	5.97	32.97	34.49	169	308	Average	HORIZONTAL
2	4929.90	45.12	74.00	-28.88	40.68	5.94	32.99	34.49	169	308	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4913.90	32.57	54.00	-21.43	28.12	5.97	32.97	34.49	132	176	Average	VERTICAL
2	4942.20	45.30	74.00	-28.70	40.86	5.91	33.01	34.48	132	176	Peak	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 3 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 4: EUT 1 + Set 5 Panel Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4865.30	32.65	54.00	-21.35	28.19	6.09	32.88	34.51	175	165	Average	HORIZONTAL
2	4866.90	45.29	74.00	-28.71	40.83	6.09	32.88	34.51	175	165	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4865.60	33.51	54.00	-20.49	29.05	6.09	32.88	34.51	214	161	Average	VERTICAL
2	4866.10	46.45	74.00	-27.55	41.99	6.09	32.88	34.51	214	161	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 4: EUT 1 + Set 5 Panel Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4850.60	46.38	74.00	-27.62	41.91	6.12	32.86	34.51	190	180	Peak	HORIZONTAL
2	4861.90	33.52	54.00	-20.48	29.06	6.09	32.88	34.51	190	180	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4861.90	33.34	54.00	-20.66	28.88	6.09	32.88	34.51	206	159	Average	VERTICAL
2	4864.50	46.00	74.00	-28.00	41.54	6.09	32.88	34.51	206	159	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 4: EUT 1 + Set 5 Panel Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4879.50	32.40	54.00	-21.60	27.93	6.06	32.91	34.50	184	185	Average	HORIZONTAL
2	4895.60	45.25	74.00	-28.75	40.80	6.00	32.95	34.50	184	185	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4900.30	32.47	54.00	-21.53	28.02	6.00	32.95	34.50	133	194	Average	VERTICAL
2	4916.70	45.06	74.00	-28.94	40.61	5.97	32.97	34.49	133	194	Peak	VERTICAL

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11b CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 18, 2015		
Test Mode	Mode 5: EUT 1 + Set 6 Sector Antenna / 5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	4826.92	42.77	54.00	-11.23	38.45	6.94	31.11	33.73	257	212	Average	HORIZONTAL
2	4826.92	48.27	74.00	-25.73	43.95	6.94	31.11	33.73	257	212	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	4823.90	56.07	74.00	-17.93	51.77	6.94	31.09	33.73	186	202	Peak	VERTICAL
2	4823.96	51.95	54.00	-2.05	47.65	6.94	31.09	33.73	186	202	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11b CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 18, 2015		
Test Mode	Mode 5: EUT 1 + Set 6 Sector Antenna / 5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	4873.92	49.56	74.00	-24.44	45.16	6.96	31.15	33.71	197	211	Peak	HORIZONTAL
2	4873.94	44.91	54.00	-9.09	40.51	6.96	31.15	33.71	197	211	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	4873.94	52.75	54.00	-1.25	48.35	6.96	31.15	33.71	221	199	Average	VERTICAL
2	4873.96	55.85	74.00	-18.15	51.45	6.96	31.15	33.71	221	199	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11b CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 18, 2015		
Test Mode	Mode 5: EUT 1 + Set 6 Sector Antenna / 5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	4923.94	51.55	74.00	-22.45	47.03	6.98	31.22	33.68	269	209	Peak	HORIZONTAL
2	4923.96	46.00	54.00	-8.00	41.48	6.98	31.22	33.68	269	209	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	4923.86	55.40	74.00	-18.60	50.88	6.98	31.22	33.68	205	201	Peak	VERTICAL
2	4923.94	50.96	54.00	-3.04	46.44	6.98	31.22	33.68	205	201	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11g CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 21, 2015		
Test Mode	Mode 5: EUT 1 + Set 6 Sector Antenna / 5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4816.82	46.57	74.00	-27.43	42.09	6.18	32.82	34.52	150	139	Peak	HORIZONTAL
2	4827.16	33.94	54.00	-20.06	29.47	6.15	32.84	34.52	150	139	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4821.34	33.54	54.00	-20.46	29.06	6.18	32.82	34.52	109	168	Average	VERTICAL
2	4829.12	47.70	74.00	-26.30	43.23	6.15	32.84	34.52	109	168	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11g CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 21, 2015		
Test Mode	Mode 5: EUT 1 + Set 6 Sector Antenna / 5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4874.23	49.40	74.00	-24.60	44.94	6.06	32.91	34.51	174	159	Peak	HORIZONTAL
2	4875.59	37.55	54.00	-16.45	33.09	6.06	32.91	34.51	174	159	Average	HORIZONTAL
3	7303.21	51.62	74.00	-22.38	41.71	7.50	37.17	34.76	153	179	Peak	HORIZONTAL
4	7306.92	39.10	54.00	-14.90	29.19	7.50	37.17	34.76	153	179	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4875.33	58.18	74.00	-15.82	53.72	6.06	32.91	34.51	196	212	Peak	VERTICAL
2	4875.85	44.97	54.00	-9.03	40.51	6.06	32.91	34.51	196	212	Average	VERTICAL
3	7313.69	39.10	54.00	-14.90	29.19	7.50	37.17	34.76	90	169	Average	VERTICAL
4	7314.16	52.29	74.00	-21.71	42.38	7.50	37.17	34.76	90	169	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11g CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 21, 2015		
Test Mode	Mode 5: EUT 1 + Set 6 Sector Antenna / 5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4925.07	45.94	74.00	-28.06	41.50	5.94	32.99	34.49	225	146	Peak	HORIZONTAL
2	4931.15	33.21	54.00	-20.79	28.77	5.94	32.99	34.49	225	146	Average	HORIZONTAL
3	7391.70	39.25	54.00	-14.75	28.96	7.78	37.28	34.77	266	222	Average	HORIZONTAL
4	7394.25	51.29	74.00	-22.71	41.00	7.78	37.28	34.77	266	222	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4916.45	33.26	54.00	-20.74	28.81	5.97	32.97	34.49	167	173	Average	VERTICAL
2	4927.21	46.29	74.00	-27.71	41.85	5.94	32.99	34.49	167	173	Peak	VERTICAL
3	7391.85	51.95	74.00	-22.05	41.66	7.78	37.28	34.77	140	194	Peak	VERTICAL
4	7392.57	39.50	54.00	-14.50	29.21	7.78	37.28	34.77	140	194	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 21, 2015		
Test Mode	Mode 5: EUT 1 + Set 6 Sector Antenna / 5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4814.22	33.68	54.00	-20.32	29.20	6.18	32.82	34.52	123	182	Average	HORIZONTAL
2	4829.62	46.67	74.00	-27.33	42.20	6.15	32.84	34.52	123	182	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4826.58	49.85	74.00	-24.15	45.38	6.15	32.84	34.52	197	209	Peak	VERTICAL
2	4827.53	37.32	54.00	-16.68	32.85	6.15	32.84	34.52	197	209	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 21, 2015		
Test Mode	Mode 5: EUT 1 + Set 6 Sector Antenna / 5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4875.19	38.47	54.00	-15.53	34.01	6.06	32.91	34.51	184	258	Average	HORIZONTAL
2	4876.81	52.65	74.00	-21.35	48.19	6.06	32.91	34.51	184	258	Peak	HORIZONTAL
3	7309.09	38.85	54.00	-15.15	28.94	7.50	37.17	34.76	245	149	Average	HORIZONTAL
4	7310.19	52.92	74.00	-21.08	43.01	7.50	37.17	34.76	245	149	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4875.13	44.01	54.00	-9.99	39.55	6.06	32.91	34.51	195	250	Average	VERTICAL
2	4875.65	57.57	74.00	-16.43	53.11	6.06	32.91	34.51	195	250	Peak	VERTICAL
3	7301.13	51.17	74.00	-22.83	41.26	7.50	37.17	34.76	188	177	Peak	VERTICAL
4	7311.03	39.00	54.00	-15.00	29.09	7.50	37.17	34.76	188	177	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 21, 2015		
Test Mode	Mode 5: EUT 1 + Set 6 Sector Antenna / 5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4923.54	46.77	74.00	-27.23	42.32	5.97	32.97	34.49	227	161	Peak	HORIZONTAL
2	4925.91	34.48	54.00	-19.52	30.04	5.94	32.99	34.49	227	161	Average	HORIZONTAL
3	7384.29	39.30	54.00	-14.70	29.01	7.78	37.28	34.77	190	142	Average	HORIZONTAL
4	7386.17	52.36	74.00	-21.64	42.07	7.78	37.28	34.77	190	142	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4923.91	35.80	54.00	-18.20	31.36	5.94	32.99	34.49	193	239	Average	VERTICAL
2	4933.20	47.34	74.00	-26.66	42.90	5.94	32.99	34.49	193	239	Peak	VERTICAL
3	7380.59	39.24	54.00	-14.76	28.95	7.78	37.28	34.77	141	159	Average	VERTICAL
4	7384.76	52.17	74.00	-21.83	41.88	7.78	37.28	34.77	141	159	Peak	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 3 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 21, 2015		
Test Mode	Mode 5: EUT 1 + Set 6 Sector Antenna / 5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4834.97	33.39	54.00	-20.61	28.92	6.15	32.84	34.52	286	184	Average	HORIZONTAL
2	4839.20	46.41	74.00	-27.59	41.95	6.12	32.86	34.52	286	184	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4852.28	34.55	54.00	-19.45	30.08	6.12	32.86	34.51	200	206	Average	VERTICAL
2	4853.52	46.58	74.00	-27.42	42.12	6.09	32.88	34.51	200	206	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 21, 2015		
Test Mode	Mode 5: EUT 1 + Set 6 Sector Antenna / 5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4874.58	33.89	54.00	-20.11	29.43	6.06	32.91	34.51	91	179	Average	HORIZONTAL
2	4879.09	46.33	74.00	-27.67	41.86	6.06	32.91	34.50	91	179	Peak	HORIZONTAL
3	7317.22	52.98	74.00	-21.02	42.97	7.57	37.20	34.76	157	140	Peak	HORIZONTAL
4	7317.69	38.96	54.00	-15.04	28.95	7.57	37.20	34.76	157	140	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4874.29	48.35	74.00	-25.65	43.89	6.06	32.91	34.51	200	162	Peak	VERTICAL
2	4874.35	36.89	54.00	-17.11	32.43	6.06	32.91	34.51	200	162	Average	VERTICAL
3	7312.62	51.56	74.00	-22.44	41.65	7.50	37.17	34.76	201	169	Peak	VERTICAL
4	7317.25	39.07	54.00	-14.93	29.06	7.57	37.20	34.76	201	169	Average	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 21, 2015		
Test Mode	Mode 5: EUT 1 + Set 6 Sector Antenna / 5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4897.95	33.30	54.00	-20.70	28.85	6.00	32.95	34.50	136	183	Average	HORIZONTAL
2	4904.75	46.86	74.00	-27.14	42.41	6.00	32.95	34.50	136	183	Peak	HORIZONTAL
3	7350.01	39.73	54.00	-14.27	29.63	7.64	37.23	34.77	223	154	Average	HORIZONTAL
4	7365.09	52.51	74.00	-21.49	42.32	7.71	37.25	34.77	223	154	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4901.50	32.98	54.00	-21.02	28.53	6.00	32.95	34.50	92	111	Average	VERTICAL
2	4905.82	47.92	74.00	-26.08	43.47	6.00	32.95	34.50	92	111	Peak	VERTICAL
3	7346.39	39.49	54.00	-14.51	29.39	7.64	37.23	34.77	181	171	Average	VERTICAL
4	7352.56	52.08	74.00	-21.92	41.98	7.64	37.23	34.77	181	171	Peak	VERTICAL

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11b CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 11, 2015		
Test Mode	Mode 6: EUT 1 + Set 8 Sector Antenna / 13 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4823.91	51.13	74.00	-22.87	46.43	6.29	33.42	35.01	Peak	187	89	HORIZONTAL
2	4823.98	45.04	54.00	-8.96	40.34	6.29	33.42	35.01	Average	187	89	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4823.99	48.42	54.00	-5.58	43.72	6.29	33.42	35.01	Average	229	44	VERTICAL
2	4824.04	53.14	74.00	-20.86	48.44	6.29	33.42	35.01	Peak	229	44	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11b CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 11, 2015		
Test Mode	Mode 6: EUT 1 + Set 8 Sector Antenna / 13 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4873.90	51.21	74.00	-22.79	46.35	6.34	33.53	35.01	Peak	200	88	HORIZONTAL
2	4873.95	44.35	54.00	-9.65	39.49	6.34	33.53	35.01	Average	200	88	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4873.96	44.86	54.00	-9.14	40.00	6.34	33.53	35.01	Average	153	54	VERTICAL
2	4874.00	51.15	74.00	-22.85	46.29	6.34	33.53	35.01	Peak	153	54	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11b CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 11, 2015		
Test Mode	Mode 6: EUT 1 + Set 8 Sector Antenna / 13 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4923.93	49.98	74.00	-24.02	44.94	6.40	33.65	35.01	Peak	156	100	HORIZONTAL
2	4923.95	42.29	54.00	-11.71	37.25	6.40	33.65	35.01	Average	156	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4923.87	51.80	74.00	-22.20	46.76	6.40	33.65	35.01	Peak	206	46	VERTICAL
2	4923.96	45.88	54.00	-8.12	40.84	6.40	33.65	35.01	Average	206	46	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11g CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 11, 2015		
Test Mode	Mode 6: EUT 1 + Set 8 Sector Antenna / 13 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4824.10	34.09	54.00	-19.91	29.39	6.29	33.42	35.01	Average	150	94	HORIZONTAL
2	4824.24	47.38	74.00	-26.62	42.68	6.29	33.42	35.01	Peak	150	94	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4823.87	47.37	74.00	-26.63	42.67	6.29	33.42	35.01	Peak	150	119	VERTICAL
2	4824.89	34.22	54.00	-19.78	29.52	6.29	33.42	35.01	Average	150	119	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11g CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 11, 2015		
Test Mode	Mode 6: EUT 1 + Set 8 Sector Antenna / 13 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4874.62	47.11	74.00	-26.89	42.25	6.34	33.53	35.01	Peak	150	88	HORIZONTAL
2	4874.84	34.10	54.00	-19.90	29.24	6.34	33.53	35.01	Average	150	88	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4873.38	49.66	74.00	-24.34	44.80	6.34	33.53	35.01	Peak	150	54	VERTICAL
2	4874.99	36.34	54.00	-17.66	31.48	6.34	33.53	35.01	Average	150	54	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11g CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 11, 2015		
Test Mode	Mode 6: EUT 1 + Set 8 Sector Antenna / 13 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4923.36	47.54	74.00	-26.46	42.50	6.40	33.65	35.01	Peak	150	136	HORIZONTAL
2	4923.90	34.47	54.00	-19.53	29.43	6.40	33.65	35.01	Average	150	136	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4923.24	34.50	54.00	-19.50	29.46	6.40	33.65	35.01	Average	150	55	VERTICAL
2	4923.88	47.22	74.00	-26.78	42.18	6.40	33.65	35.01	Peak	150	55	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 21, 2015		
Test Mode	Mode 6: EUT 1 + Set 8 Sector Antenna / 13 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4824.59	46.27	74.00	-27.73	47.97	0.00	32.82	34.52	166	151	Peak	HORIZONTAL
2	4824.59	33.77	54.00	-20.23	35.47	0.00	32.82	34.52	166	151	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4824.29	32.67	54.00	-21.33	28.19	6.18	32.82	34.52	201	154	Average	VERTICAL
2	4824.32	45.87	74.00	-28.13	41.39	6.18	32.82	34.52	201	154	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 11, 2015		
Test Mode	Mode 6: EUT 1 + Set 8 Sector Antenna / 13 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4873.34	33.92	54.00	-20.08	29.06	6.34	33.53	35.01	Average	150	124	HORIZONTAL
2	4873.42	47.01	74.00	-26.99	42.15	6.34	33.53	35.01	Peak	150	124	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4873.28	49.89	74.00	-24.11	45.03	6.34	33.53	35.01	Peak	150	56	VERTICAL
2	4874.78	35.88	54.00	-18.12	31.02	6.34	33.53	35.01	Average	150	56	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 11, 2015		
Test Mode	Mode 6: EUT 1 + Set 8 Sector Antenna / 13 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4924.05	47.72	74.00	-26.28	42.68	6.40	33.65	35.01	Peak	150	189	HORIZONTAL
2	4924.52	33.94	54.00	-20.06	28.90	6.40	33.65	35.01	Average	150	189	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4923.93	33.89	54.00	-20.11	28.85	6.40	33.65	35.01	Average	150	160	VERTICAL
2	4924.86	47.18	74.00	-26.82	42.14	6.40	33.65	35.01	Peak	150	160	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 3 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 11, 2015		
Test Mode	Mode 6: EUT 1 + Set 8 Sector Antenna / 13 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4843.03	47.45	74.00	-26.55	42.69	6.31	33.46	35.01	Peak	150	284	HORIZONTAL
2	4843.28	34.01	54.00	-19.99	29.25	6.31	33.46	35.01	Average	150	284	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4844.56	47.88	74.00	-26.12	43.12	6.31	33.46	35.01	Peak	150	233	VERTICAL
2	4844.66	33.83	54.00	-20.17	29.07	6.31	33.46	35.01	Average	150	233	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 11, 2015		
Test Mode	Mode 6: EUT 1 + Set 8 Sector Antenna / 13 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4873.06	47.11	74.00	-26.89	42.25	6.34	33.53	35.01	Peak	150	172	HORIZONTAL
2	4874.56	33.75	54.00	-20.25	28.89	6.34	33.53	35.01	Average	150	172	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4873.04	33.77	54.00	-20.23	28.91	6.34	33.53	35.01	Average	150	227	VERTICAL
2	4874.02	47.24	74.00	-26.76	42.38	6.34	33.53	35.01	Peak	150	227	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 11, 2015		
Test Mode	Mode 6: EUT 1 + Set 8 Sector Antenna / 13 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4903.45	47.45	74.00	-26.55	42.47	6.38	33.61	35.01	Peak	150	121	HORIZONTAL
2	4904.57	34.28	54.00	-19.72	29.30	6.38	33.61	35.01	Average	150	121	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4903.00	34.49	54.00	-19.51	29.51	6.38	33.61	35.01	Average	150	145	VERTICAL
2	4903.77	47.84	74.00	-26.16	42.86	6.38	33.61	35.01	Peak	150	145	VERTICAL

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11b CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 15, 2015		
Test Mode	Mode 7: EUT 1 + Set 11 Omni Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4823.94	51.23	54.00	-2.77	46.53	6.29	33.42	35.01	Average	249	236	HORIZONTAL
2	4824.00	55.02	74.00	-18.98	50.32	6.29	33.42	35.01	Peak	249	236	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4823.96	52.74	54.00	-1.26	46.76	6.29	33.42	33.73	Average	246	192	VERTICAL
2	4823.96	52.64	74.00	-21.36	46.66	6.29	33.42	33.73	Peak	246	192	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11b CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 15, 2015		
Test Mode	Mode 7: EUT 1 + Set 11 Omni Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4873.97	54.46	74.00	-19.54	49.60	6.34	33.53	35.01	Peak	242	238	HORIZONTAL
2	4873.99	49.75	54.00	-4.25	44.89	6.34	33.53	35.01	Average	242	238	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4873.85	56.74	74.00	-17.26	51.88	6.34	33.53	35.01	Peak	244	199	VERTICAL
2	4873.97	52.92	54.00	-1.08	48.06	6.34	33.53	35.01	Average	244	199	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11b CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 15, 2015		
Test Mode	Mode 7: EUT 1 + Set 11 Omni Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4923.97	49.37	54.00	-4.63	44.33	6.40	33.65	35.01	Average	252	237	HORIZONTAL
2	4924.08	54.39	74.00	-19.61	49.35	6.40	33.65	35.01	Peak	252	237	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4923.93	51.73	54.00	-2.27	46.69	6.40	33.65	35.01	Average	244	225	VERTICAL
2	4923.94	56.38	74.00	-17.62	51.34	6.40	33.65	35.01	Peak	244	225	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11g CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 15, 2015		
Test Mode	Mode 7: EUT 1 + Set 11 Omni Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4824.64	47.47	74.00	-26.53	42.77	6.29	33.42	35.01	Peak	150	260	HORIZONTAL
2	4825.88	34.60	54.00	-19.40	29.90	6.29	33.42	35.01	Average	150	260	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4824.20	39.00	54.00	-15.00	34.30	6.29	33.42	35.01	Average	251	200	VERTICAL
2	4824.38	51.75	74.00	-22.25	47.05	6.29	33.42	35.01	Peak	251	200	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11g CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 15, 2015		
Test Mode	Mode 7: EUT 1 + Set 11 Omni Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4875.26	56.16	74.00	-17.84	51.30	6.34	33.53	35.01	Peak	245	238	HORIZONTAL
2	4875.92	41.95	54.00	-12.05	37.09	6.34	33.53	35.01	Average	245	238	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4875.12	57.40	74.00	-16.60	52.54	6.34	33.53	35.01	Peak	273	198	VERTICAL
2	4875.96	44.26	54.00	-9.74	39.40	6.34	33.53	35.01	Average	273	198	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11g CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 15, 2015		
Test Mode	Mode 7: EUT 1 + Set 11 Omni Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4925.56	35.24	54.00	-18.76	30.18	6.42	33.65	35.01	Average	246	236	HORIZONTAL
2	4925.80	48.46	74.00	-25.54	43.40	6.42	33.65	35.01	Peak	246	236	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4924.08	36.14	54.00	-17.86	31.10	6.40	33.65	35.01	Average	282	196	VERTICAL
2	4926.16	48.59	74.00	-25.41	43.53	6.42	33.65	35.01	Peak	282	196	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 15, 2015		
Test Mode	Mode 7: EUT 1 + Set 11 Omni Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4823.84	35.77	54.00	-18.23	31.07	6.29	33.42	35.01	Average	273	237	HORIZONTAL
2	4824.24	47.80	74.00	-26.20	43.10	6.29	33.42	35.01	Peak	273	237	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4824.00	49.78	74.00	-24.22	45.08	6.29	33.42	35.01	Peak	295	226	VERTICAL
2	4824.48	37.28	54.00	-16.72	32.58	6.29	33.42	35.01	Average	295	226	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 15, 2015		
Test Mode	Mode 7: EUT 1 + Set 11 Omni Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4874.64	53.64	74.00	-20.36	48.78	6.34	33.53	35.01	Peak	251	238	HORIZONTAL
2	4874.96	40.57	54.00	-13.43	35.71	6.34	33.53	35.01	Average	251	238	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4875.28	57.37	74.00	-16.63	52.51	6.34	33.53	35.01	Peak	298	227	VERTICAL
2	4875.68	42.74	54.00	-11.26	37.88	6.34	33.53	35.01	Average	298	227	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 15, 2015		
Test Mode	Mode 7: EUT 1 + Set 11 Omni Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4933.76	46.57	74.00	-27.43	41.51	6.42	33.65	35.01	Peak	253	234	HORIZONTAL
2	4941.60	34.64	54.00	-19.36	29.53	6.43	33.69	35.01	Average	253	234	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4923.92	48.01	74.00	-25.99	42.97	6.40	33.65	35.01	Peak	292	228	VERTICAL
2	4926.72	35.77	54.00	-18.23	30.71	6.42	33.65	35.01	Average	292	228	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 3 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 15, 2015		
Test Mode	Mode 7: EUT 1 + Set 11 Omni Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4841.68	34.60	54.00	-19.40	29.84	6.31	33.46	35.01	Average	255	239	HORIZONTAL
2	4856.88	47.12	74.00	-26.88	42.31	6.32	33.50	35.01	Peak	255	239	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4843.84	48.22	74.00	-25.78	43.46	6.31	33.46	35.01	Peak	250	201	VERTICAL
2	4844.32	35.88	54.00	-18.12	31.12	6.31	33.46	35.01	Average	250	201	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 15, 2015		
Test Mode	Mode 7: EUT 1 + Set 11 Omni Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4874.48	34.68	54.00	-19.32	29.82	6.34	33.53	35.01	Average	254	251	HORIZONTAL
2	4888.32	47.78	74.00	-26.22	42.86	6.36	33.57	35.01	Peak	254	251	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4863.68	47.66	74.00	-26.34	42.83	6.34	33.50	35.01	Peak	249	201	VERTICAL
2	4873.92	35.75	54.00	-18.25	30.89	6.34	33.53	35.01	Average	249	201	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 15, 2015		
Test Mode	Mode 7: EUT 1 + Set 11 Omni Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4897.20	34.37	54.00	-19.63	29.43	6.38	33.57	35.01	Average	250	259	HORIZONTAL
2	4902.00	47.45	74.00	-26.55	42.47	6.38	33.61	35.01	Peak	250	259	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4892.00	34.42	54.00	-19.58	29.50	6.36	33.57	35.01	Average	247	226	VERTICAL
2	4897.28	48.05	74.00	-25.95	43.11	6.38	33.57	35.01	Peak	247	226	VERTICAL

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11b CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 2015		
Test Mode	Mode 8: EUT 2 + Set 12 PIFA Antenna / Chain1:6.25 dBi, Chain2:5.77 dBi, Chain3:6.45 dBi, Chain4:5.60 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4823.94	53.35	74.00	-20.65	48.87	6.18	32.82	34.52	1	189	Peak	HORIZONTAL
2	4823.97	49.52	54.00	-4.48	45.04	6.18	32.82	34.52	1	189	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4823.94	55.68	74.00	-18.32	51.20	6.18	32.82	34.52	323	156	Peak	VERTICAL
2	4823.96	52.88	54.00	-1.12	48.40	6.18	32.82	34.52	323	156	Average	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11b CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 2015		
Test Mode	Mode 8: EUT 2 + Set 12 PIFA Antenna / Chain1:6.25 dBi, Chain2:5.77 dBi, Chain3:6.45 dBi, Chain4:5.60 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4873.93	50.74	54.00	-3.26	46.28	6.06	32.91	34.51	62	133	Average	HORIZONTAL
2	4874.01	54.26	74.00	-19.74	49.80	6.06	32.91	34.51	62	133	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4873.96	52.85	54.00	-1.15	48.39	6.06	32.91	34.51	325	132	Average	VERTICAL
2	4873.98	56.01	74.00	-17.99	51.55	6.06	32.91	34.51	325	132	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11b CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 2015		
Test Mode	Mode 8: EUT 2 + Set 12 PIFA Antenna / Chain1:6.25 dBi, Chain2:5.77 dBi, Chain3:6.45 dBi, Chain4:5.60 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4923.97	52.78	54.00	-1.22	48.34	5.94	32.99	34.49	30	166	Average	HORIZONTAL
2	4924.07	56.64	74.00	-17.36	52.20	5.94	32.99	34.49	30	166	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4923.84	55.99	74.00	-18.01	51.55	5.94	32.99	34.49	329	150	Peak	VERTICAL
2	4923.97	52.57	54.00	-1.43	48.13	5.94	32.99	34.49	329	150	Average	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11g CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 2015		
Test Mode	Mode 8: EUT 2 + Set 12 PIFA Antenna / Chain1:6.25 dBi, Chain2:5.77 dBi, Chain3:6.45 dBi, Chain4:5.60 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4825.42	34.72	54.00	-19.28	30.25	6.15	32.84	34.52	12	161	Average	HORIZONTAL
2	4826.08	47.53	74.00	-26.47	43.06	6.15	32.84	34.52	12	161	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4825.65	51.89	74.00	-22.11	47.42	6.15	32.84	34.52	324	150	Peak	VERTICAL
2	4826.06	38.21	54.00	-15.79	33.74	6.15	32.84	34.52	324	150	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11g CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 2015		
Test Mode	Mode 8: EUT 2 + Set 12 PIFA Antenna / Chain1:6.25 dBi, Chain2:5.77 dBi, Chain3:6.45 dBi, Chain4:5.60 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4875.19	56.95	74.00	-17.05	52.49	6.06	32.91	34.51	297	127	Peak	HORIZONTAL
2	4876.20	43.09	54.00	-10.91	38.63	6.06	32.91	34.51	297	127	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4875.25	59.76	74.00	-14.24	55.30	6.06	32.91	34.51	325	134	Peak	VERTICAL
2	4875.71	45.82	54.00	-8.18	41.36	6.06	32.91	34.51	325	134	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11g CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 2015		
Test Mode	Mode 8: EUT 2 + Set 12 PIFA Antenna / Chain1:6.25 dBi, Chain2:5.77 dBi, Chain3:6.45 dBi, Chain4:5.60 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4925.94	35.45	54.00	-18.55	31.01	5.94	32.99	34.49	58	148	Average	HORIZONTAL
2	4926.63	48.95	74.00	-25.05	44.51	5.94	32.99	34.49	58	148	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4926.34	49.07	74.00	-24.93	44.63	5.94	32.99	34.49	324	137	Peak	VERTICAL
2	4926.63	36.17	54.00	-17.83	31.73	5.94	32.99	34.49	324	137	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 2015		
Test Mode	Mode 8: EUT 2 + Set 12 PIFA Antenna / Chain1:6.25 dBi, Chain2:5.77 dBi, Chain3:6.45 dBi, Chain4:5.60 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4824.17	34.18	54.00	-19.82	29.70	6.18	32.82	34.52	283	144	Average	HORIZONTAL
2	4832.94	47.01	74.00	-26.99	42.54	6.15	32.84	34.52	283	144	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4827.10	33.85	54.00	-20.15	29.38	6.15	32.84	34.52	160	160	Average	VERTICAL
2	4832.68	47.22	74.00	-26.78	42.75	6.15	32.84	34.52	160	160	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 2015		
Test Mode	Mode 8: EUT 2 + Set 12 PIFA Antenna / Chain1:6.25 dBi, Chain2:5.77 dBi, Chain3:6.45 dBi, Chain4:5.60 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4876.75	56.44	74.00	-17.56	51.98	6.06	32.91	34.51	299	135	Peak	HORIZONTAL
2	4876.95	42.68	54.00	-11.32	38.21	6.06	32.91	34.50	299	135	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4876.61	60.18	74.00	-13.82	55.72	6.06	32.91	34.51	330	132	Peak	VERTICAL
2	4877.71	45.50	54.00	-8.50	41.03	6.06	32.91	34.50	330	132	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 2015		
Test Mode	Mode 8: EUT 2 + Set 12 PIFA Antenna / Chain1:6.25 dBi, Chain2:5.77 dBi, Chain3:6.45 dBi, Chain4:5.60 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4923.98	34.92	54.00	-19.08	30.48	5.94	32.99	34.49	59	155	Average	HORIZONTAL
2	4924.36	49.15	74.00	-24.85	44.71	5.94	32.99	34.49	59	155	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4924.09	47.34	74.00	-26.66	42.90	5.94	32.99	34.49	79	141	Peak	VERTICAL
2	4924.92	34.96	54.00	-19.04	30.52	5.94	32.99	34.49	79	141	Average	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 3 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 2015		
Test Mode	Mode 8: EUT 2 + Set 12 PIFA Antenna / Chain1:6.25 dBi, Chain2:5.77 dBi, Chain3:6.45 dBi, Chain4:5.60 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4844.12	33.84	54.00	-20.16	29.38	6.12	32.86	34.52	355	148	Average	HORIZONTAL
2	4844.41	47.88	74.00	-26.12	43.42	6.12	32.86	34.52	355	148	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4843.98	33.49	54.00	-20.51	29.03	6.12	32.86	34.52	150	162	Average	VERTICAL
2	4844.87	47.06	74.00	-26.94	42.60	6.12	32.86	34.52	150	162	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 2015		
Test Mode	Mode 8: EUT 2 + Set 12 PIFA Antenna / Chain1:6.25 dBi, Chain2:5.77 dBi, Chain3:6.45 dBi, Chain4:5.60 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4873.77	47.59	74.00	-26.41	43.13	6.06	32.91	34.51	50	188	Peak	HORIZONTAL
2	4874.61	34.29	54.00	-19.71	29.83	6.06	32.91	34.51	50	188	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4874.47	47.11	74.00	-26.89	42.65	6.06	32.91	34.51	195	162	Peak	VERTICAL
2	4874.68	35.47	54.00	-18.53	31.01	6.06	32.91	34.51	195	162	Average	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 2015		
Test Mode	Mode 8: EUT 2 + Set 12 PIFA Antenna / Chain1:6.25 dBi, Chain2:5.77 dBi, Chain3:6.45 dBi, Chain4:5.60 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4903.93	34.08	54.00	-19.92	29.63	6.00	32.95	34.50	289	152	Average	HORIZONTAL
2	4904.08	47.96	74.00	-26.04	43.51	6.00	32.95	34.50	289	152	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4903.98	33.44	54.00	-20.56	28.99	6.00	32.95	34.50	52	138	Average	VERTICAL
2	4904.64	47.19	74.00	-26.81	42.74	6.00	32.95	34.50	52	138	Peak	VERTICAL

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

4.6. Emissions Measurement

4.6.1. Limit

30dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(kHz)	300
0.490~1.705	24000/F(kHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

4.6.2. Measuring Instruments and Setting

Please refer to section 5 of equipments list in this report. The following table is the setting of the spectrum analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	100 MHz
RBW / VBW (Emission in restricted band)	1MHz / 3MHz for Peak, 1MHz / 1/T for Average
RBW / VBW (30dBc in any 100 kHz bandwidth emission)	100 kHz / 300 kHz for Peak

4.6.3. Test Procedures

For Radiated band edges Measurement:

1. The test procedure is the same as section 4.5.3.

For Radiated Out of Band Emission Measurement:

1. Test was performed in accordance with KDB558074 D01 v03r03 for Performing Compliance Measurements on Digital Transmission Systems (DTS) Operating Under §15.247 section 10.1 Unwanted Emissions into Non-Restricted Frequency Bands Measurement Procedure.

4.6.4. Test Setup Layout

For Radiated band edges Measurement:

This test setup layout is the same as that shown in section 4.5.4.

For Radiated Out of Band Emission Measurement:

This test setup layout is the same as that shown in section 4.5.4.

4.6.5. Test Deviation

There is no deviation with the original standard.

4.6.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

4.6.7. Test Result of Band Edge and Fundamental Emissions

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 04, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Sector Antenna / 7.5 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2386.20	61.63	74.00	-12.37	28.94	4.38	28.31	0.00	150	0	Peak	HORIZONTAL
2	2387.20	52.99	54.00	-1.01	20.30	4.38	28.31	0.00	150	0	Average	HORIZONTAL
3	2413.80	117.39			84.62	4.41	28.36	0.00	150	0	Average	HORIZONTAL
4	2414.60	120.97			88.20	4.41	28.36	0.00	150	0	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2389.80	60.76	74.00	-13.24	28.07	4.38	28.31	0.00	274	0	Peak	HORIZONTAL
2	2389.80	52.16	54.00	-1.84	19.47	4.38	28.31	0.00	274	0	Average	HORIZONTAL
3	2437.80	117.49			84.66	4.44	28.39	0.00	274	0	Average	HORIZONTAL
4	2438.20	121.72			88.89	4.44	28.39	0.00	274	0	Peak	HORIZONTAL
5	2485.80	51.53	54.00	-2.47	18.55	4.50	28.48	0.00	274	0	Average	HORIZONTAL
6	2486.30	60.85	74.00	-13.15	27.87	4.50	28.48	0.00	274	0	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2463.00	115.31			82.40	4.47	28.44	0.00	173	0	Peak	VERTICAL
2	2463.20	111.24			78.33	4.47	28.44	0.00	173	0	Average	VERTICAL
3	2488.80	52.80	54.00	-1.20	19.82	4.50	28.48	0.00	173	0	Average	VERTICAL
4	2493.60	63.34	74.00	-10.66	30.34	4.51	28.49	0.00	173	0	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11g CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 04, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Sector Antenna / 7.5 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2390.00	65.69	74.00	-8.31	33.00	4.38	28.31	0.00	211	0	Peak	HORIZONTAL
2	2390.00	52.56	54.00	-1.44	19.87	4.38	28.31	0.00	211	0	Average	HORIZONTAL
3	2409.40	107.73			74.98	4.40	28.35	0.00	211	0	Average	HORIZONTAL
4	2409.60	117.68			84.93	4.40	28.35	0.00	211	0	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2385.80	61.10	74.00	-12.90	28.41	4.38	28.31	0.00	230	360	Peak	HORIZONTAL
2	2386.60	50.50	54.00	-3.50	17.81	4.38	28.31	0.00	230	360	Average	HORIZONTAL
3	2433.80	114.06			81.23	4.44	28.39	0.00	230	360	Average	HORIZONTAL
4	2434.20	124.03			91.20	4.44	28.39	0.00	230	360	Peak	HORIZONTAL
5	2484.60	65.25	74.00	-8.75	32.27	4.50	28.48	0.00	230	360	Peak	HORIZONTAL
6	2485.80	52.62	54.00	-1.38	19.64	4.50	28.48	0.00	230	360	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2458.80	117.78			84.89	4.46	28.43	0.00	202	0	Peak	HORIZONTAL
2	2458.80	107.05			74.16	4.46	28.43	0.00	202	0	Average	HORIZONTAL
3	2483.50	52.96	54.00	-1.04	19.98	4.50	28.48	0.00	202	0	Average	HORIZONTAL
4	2490.20	63.40	74.00	-10.60	30.40	4.51	28.49	0.00	202	0	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 04, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Sector Antenna / 7.5 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2389.80	65.36	74.00	-8.64	32.67	4.38	28.31	0.00	227	360	Peak	HORIZONTAL
2	2390.00	52.74	54.00	-1.26	20.05	4.38	28.31	0.00	227	360	Average	HORIZONTAL
3	2409.00	117.21			84.46	4.40	28.35	0.00	227	360	Peak	HORIZONTAL
4	2409.80	107.50			74.75	4.40	28.35	0.00	227	360	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2385.00	49.74	54.00	-4.26	17.05	4.38	28.31	0.00	176	0	Average	HORIZONTAL
2	2385.80	62.73	74.00	-11.27	30.04	4.38	28.31	0.00	176	0	Peak	HORIZONTAL
3	2433.00	121.29			88.46	4.44	28.39	0.00	176	0	Peak	HORIZONTAL
4	2433.00	111.50			78.67	4.44	28.39	0.00	176	0	Average	HORIZONTAL
5	2484.60	52.94	54.00	-1.06	19.96	4.50	28.48	0.00	176	0	Average	HORIZONTAL
6	2485.00	66.03	74.00	-7.97	33.05	4.50	28.48	0.00	176	0	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2464.60	107.36			74.45	4.47	28.44	0.00	179	0	Average	VERTICAL
2	2465.20	117.08			84.17	4.47	28.44	0.00	179	0	Peak	VERTICAL
3	2483.50	52.92	54.00	-1.08	19.94	4.50	28.48	0.00	179	0	Average	VERTICAL
4	2484.00	65.86	74.00	-8.14	32.88	4.50	28.48	0.00	179	0	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 04, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Sector Antenna / 7.5 dBi		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2388.00	71.08	74.00	-2.92	38.39	4.38	28.31	0.00	159	0	Peak	HORIZONTAL
2	2390.00	52.87	54.00	-1.13	20.18	4.38	28.31	0.00	159	0	Average	HORIZONTAL
3	2429.20	110.74			77.93	4.43	28.38	0.00	159	0	Peak	HORIZONTAL
4	2429.60	99.54			66.73	4.43	28.38	0.00	159	0	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2422 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2384.80	64.28	74.00	-9.72	31.59	4.38	28.31	0.00	255	0	Peak	HORIZONTAL
2	2390.00	50.33	54.00	-3.67	17.64	4.38	28.31	0.00	255	0	Average	HORIZONTAL
3	2432.80	113.82			80.99	4.44	28.39	0.00	255	0	Peak	HORIZONTAL
4	2434.00	104.71			71.88	4.44	28.39	0.00	255	0	Average	HORIZONTAL
5	2483.50	52.66	54.00	-1.34	19.68	4.50	28.48	0.00	255	0	Average	HORIZONTAL
6	2485.00	69.19	74.00	-4.81	36.21	4.50	28.48	0.00	255	0	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2448.40	111.93			79.06	4.45	28.42	0.00	231	0	Peak	HORIZONTAL
2	2448.80	102.22			69.35	4.45	28.42	0.00	231	0	Average	HORIZONTAL
3	2484.80	72.32	74.00	-1.68	39.34	4.50	28.48	0.00	231	0	Peak	HORIZONTAL
4	2488.00	52.96	54.00	-1.04	19.98	4.50	28.48	0.00	231	0	Average	HORIZONTAL

Item 1, 2 are the fundamental frequency at 2452 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 17, 2015		
Test Mode	Mode 2: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2386.80	52.78	54.00	-1.22	20.53	5.02	27.23	0.00	150	353	Average	VERTICAL
2	2387.20	61.45	74.00	-12.55	29.20	5.02	27.23	0.00	150	353	Peak	VERTICAL
3 0	2414.00	120.11			87.77	5.04	27.30	0.00	150	353	Peak	VERTICAL
4 0	2414.80	117.36			85.02	5.04	27.30	0.00	150	353	Average	VERTICAL
5	2494.00	52.56	54.00	-1.44	19.92	5.16	27.48	0.00	150	353	Average	VERTICAL
6	2494.00	60.46	74.00	-13.54	27.82	5.16	27.48	0.00	150	353	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2381.80	62.49	74.00	-11.51	30.27	5.01	27.21	0.00	224	345	Peak	HORIZONTAL
2	2387.00	52.08	54.00	-1.92	19.83	5.02	27.23	0.00	224	345	Average	HORIZONTAL
3 0	2435.00	116.45			84.03	5.07	27.35	0.00	224	345	Average	HORIZONTAL
4 0	2435.00	119.90			87.48	5.07	27.35	0.00	224	345	Peak	HORIZONTAL
5	2483.50	60.79	74.00	-13.21	28.17	5.15	27.47	0.00	224	345	Peak	HORIZONTAL
6	2485.80	51.43	54.00	-2.57	18.81	5.15	27.47	0.00	224	345	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2380.80	49.82	54.00	-4.18	17.60	5.01	27.21	0.00	194	360	Average	HORIZONTAL
2	2380.80	58.96	74.00	-15.04	26.74	5.01	27.21	0.00	194	360	Peak	HORIZONTAL
3 0	2460.80	114.67			82.14	5.11	27.42	0.00	194	360	Average	HORIZONTAL
4 0	2461.20	116.82			84.29	5.11	27.42	0.00	194	360	Peak	HORIZONTAL
5	2486.80	61.51	74.00	-12.49	28.89	5.15	27.47	0.00	194	360	Peak	HORIZONTAL
6	2487.20	52.87	54.00	-1.13	20.25	5.15	27.47	0.00	194	360	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2462 MHz.

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11g CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 17, 2015 ~ Nov. 18, 2015		
Test Mode	Mode 2: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2390.00	52.87	54.00	-1.13	20.62	5.02	27.23	0.00	150	17	Average	VERTICAL
2	2390.00	65.62	74.00	-8.38	33.37	5.02	27.23	0.00	150	17	Peak	VERTICAL
3 0	2408.80	118.62			86.31	5.03	27.28	0.00	150	17	Peak	VERTICAL
4 0	2409.60	107.77			75.46	5.03	27.28	0.00	150	17	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2383.40	48.49	54.00	-5.51	16.27	5.01	27.21	0.00	187	332	Average	VERTICAL
2	2383.80	62.37	74.00	-11.63	30.12	5.02	27.23	0.00	187	332	Peak	VERTICAL
3 0	2444.20	111.64			79.20	5.08	27.36	0.00	187	332	Average	VERTICAL
4 0	2444.60	121.91			89.47	5.08	27.36	0.00	187	332	Peak	VERTICAL
5	2484.20	52.12	54.00	-1.88	19.50	5.15	27.47	0.00	187	332	Average	VERTICAL
6	2484.60	66.53	74.00	-7.47	33.91	5.15	27.47	0.00	187	332	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1 0	2454.80	106.82			74.32	5.10	27.40	0.00	195	360	Average	HORIZONTAL
2 0	2455.20	117.35			84.85	5.10	27.40	0.00	195	360	Peak	HORIZONTAL
3	2483.50	52.31	54.00	-1.69	19.69	5.15	27.47	0.00	195	360	Average	HORIZONTAL
4	2483.50	64.55	74.00	-9.45	31.93	5.15	27.47	0.00	195	360	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 18, 2015		
Test Mode	Mode 2: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2390.00	52.93	54.00	-1.07	20.68	5.02	27.23	0.00	150	360	Average	VERTICAL
2	2390.00	66.32	74.00	-7.68	34.07	5.02	27.23	0.00	150	360	Peak	VERTICAL
3 0	2408.80	115.35			83.04	5.03	27.28	0.00	150	360	Peak	VERTICAL
4 0	2409.20	104.44			72.13	5.03	27.28	0.00	150	360	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2383.40	63.32	74.00	-10.68	31.10	5.01	27.21	0.00	219	340	Peak	VERTICAL
2	2384.20	49.70	54.00	-4.30	17.45	5.02	27.23	0.00	219	340	Average	VERTICAL
3 0	2444.20	111.24			78.80	5.08	27.36	0.00	219	340	Average	VERTICAL
4 0	2444.60	121.96			89.52	5.08	27.36	0.00	219	340	Peak	VERTICAL
5	2483.50	67.70	74.00	-6.30	35.08	5.15	27.47	0.00	219	340	Peak	VERTICAL
6	2484.20	52.91	54.00	-1.09	20.29	5.15	27.47	0.00	219	340	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1 0	2454.00	106.66			74.16	5.10	27.40	0.00	213	357	Average	HORIZONTAL
2 0	2454.40	116.97			84.47	5.10	27.40	0.00	213	357	Peak	HORIZONTAL
3	2483.50	52.22	54.00	-1.78	19.60	5.15	27.47	0.00	213	357	Average	HORIZONTAL
4	2483.50	64.40	74.00	-9.60	31.78	5.15	27.47	0.00	213	357	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 18, 2015		
Test Mode	Mode 2: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2390.00	52.29	54.00	-1.71	20.04	5.02	27.23	0.00	215	358	Average	HORIZONTAL
2	2390.00	64.60	74.00	-9.40	32.35	5.02	27.23	0.00	215	358	Peak	HORIZONTAL
3 0	2413.60	101.60			69.26	5.04	27.30	0.00	215	358	Average	HORIZONTAL
4 0	2413.60	112.34			80.00	5.04	27.30	0.00	215	358	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2422 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2384.80	61.54	74.00	-12.46	29.29	5.02	27.23	0.00	218	337	Peak	VERTICAL
2	2390.00	48.70	54.00	-5.30	16.45	5.02	27.23	0.00	218	337	Average	VERTICAL
3 0	2443.60	103.10			70.66	5.08	27.36	0.00	218	337	Average	VERTICAL
4 0	2444.20	113.65			81.21	5.08	27.36	0.00	218	337	Peak	VERTICAL
5	2483.50	52.77	54.00	-1.23	20.15	5.15	27.47	0.00	218	337	Average	VERTICAL
6	2483.50	67.10	74.00	-6.90	34.48	5.15	27.47	0.00	218	337	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1 0	2444.20	99.93			67.49	5.08	27.36	0.00	200	0	Average	HORIZONTAL
2 0	2444.20	110.13			77.69	5.08	27.36	0.00	200	0	Peak	HORIZONTAL
3	2483.50	64.25	74.00	-9.75	31.63	5.15	27.47	0.00	200	0	Peak	HORIZONTAL
4	2484.40	52.97	54.00	-1.03	20.35	5.15	27.47	0.00	200	0	Average	HORIZONTAL

Item 1, 2 are the fundamental frequency at 2452 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 18, 2015 ~ Dec. 01, 2015		
Test Mode	Mode 3: EUT 1 + Set 4 Sector Antenna / 10.5 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2389.20	60.95	74.00	-13.05	27.63	5.01	28.31	0.00	180	345	Peak	HORIZONTAL
2	2390.00	48.83	54.00	-5.17	15.51	5.01	28.31	0.00	180	345	Average	HORIZONTAL
3	2411.20	117.51			84.10	5.05	28.36	0.00	180	345	Average	HORIZONTAL
4	2411.20	121.42			88.01	5.05	28.36	0.00	180	345	Peak	HORIZONTAL
5	2490.40	62.81	74.00	-11.19	29.19	5.13	28.49	0.00	180	345	Peak	HORIZONTAL
6	2491.20	52.32	54.00	-1.68	18.70	5.13	28.49	0.00	180	345	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2389.80	61.09	74.00	-12.91	28.40	4.38	28.31	0.00	168	348	Peak	HORIZONTAL
2	2389.80	51.76	54.00	-2.24	19.07	4.38	28.31	0.00	168	348	Average	HORIZONTAL
3	2437.80	119.59			86.76	4.44	28.39	0.00	168	348	Average	HORIZONTAL
4	2438.20	123.53			90.70	4.44	28.39	0.00	168	348	Peak	HORIZONTAL
5	2486.60	61.54	74.00	-12.46	28.56	4.50	28.48	0.00	168	348	Peak	HORIZONTAL
6	2487.00	52.25	54.00	-1.75	19.27	4.50	28.48	0.00	168	348	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2383.40	62.00	74.00	-12.00	28.70	5.00	28.30	0.00	139	354	Peak	HORIZONTAL
2	2384.40	52.59	54.00	-1.41	19.27	5.01	28.31	0.00	139	354	Average	HORIZONTAL
3	2463.60	117.41			83.87	5.10	28.44	0.00	139	354	Average	HORIZONTAL
4	2464.40	121.26			87.72	5.10	28.44	0.00	139	354	Peak	HORIZONTAL
5	2483.60	61.59	74.00	-12.41	27.99	5.12	28.48	0.00	139	354	Peak	HORIZONTAL
6	2483.60	49.59	54.00	-4.41	15.99	5.12	28.48	0.00	139	354	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2462 MHz.

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11g CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 18, 2015		
Test Mode	Mode 3: EUT 1 + Set 4 Sector Antenna / 10.5 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2389.60	68.44	74.00	-5.56	35.12	5.01	28.31	0.00	135	355	Peak	HORIZONTAL
2	2390.00	52.74	54.00	-1.26	19.42	5.01	28.31	0.00	135	355	Average	HORIZONTAL
3	2419.20	111.90			78.48	5.05	28.37	0.00	135	355	Average	HORIZONTAL
4	2419.20	121.70			88.28	5.05	28.37	0.00	135	355	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2383.80	64.35	74.00	-9.65	31.03	5.01	28.31	0.00	129	355	Peak	HORIZONTAL
2	2390.00	52.99	54.00	-1.01	19.67	5.01	28.31	0.00	129	355	Average	HORIZONTAL
3	2443.00	116.31			82.82	5.08	28.41	0.00	129	355	Average	HORIZONTAL
4	2443.00	126.68			93.19	5.08	28.41	0.00	129	355	Peak	HORIZONTAL
5	2483.50	52.88	54.00	-1.12	19.28	5.12	28.48	0.00	129	355	Average	HORIZONTAL
6	2485.80	68.69	74.00	-5.31	35.09	5.12	28.48	0.00	129	355	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2458.80	120.31			86.79	5.09	28.43	0.00	156	343	Peak	VERTICAL
2	2459.60	109.95			76.43	5.09	28.43	0.00	156	343	Average	VERTICAL
3	2483.50	52.99	54.00	-1.01	19.39	5.12	28.48	0.00	156	343	Average	VERTICAL
4	2487.20	65.16	74.00	-8.84	31.56	5.12	28.48	0.00	156	343	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 18, 2015		
Test Mode	Mode 3: EUT 1 + Set 4 Sector Antenna / 10.5 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2388.40	52.65	54.00	-1.35	19.33	5.01	28.31	0.00	149	4	Average	VERTICAL
2	2388.80	67.21	74.00	-6.79	33.89	5.01	28.31	0.00	149	4	Peak	VERTICAL
3	2406.40	120.87			87.48	5.04	28.35	0.00	149	4	Peak	VERTICAL
4	2406.80	109.77			76.38	5.04	28.35	0.00	149	4	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2389.80	63.20	74.00	-10.80	29.88	5.01	28.31	0.00	128	352	Peak	HORIZONTAL
2	2390.00	51.75	54.00	-2.25	18.43	5.01	28.31	0.00	128	352	Average	HORIZONTAL
3	2442.20	115.92			82.43	5.08	28.41	0.00	128	352	Average	HORIZONTAL
4	2442.20	126.41			92.92	5.08	28.41	0.00	128	352	Peak	HORIZONTAL
5	2483.50	52.61	54.00	-1.39	19.01	5.12	28.48	0.00	128	352	Average	HORIZONTAL
6	2483.50	63.98	74.00	-10.02	30.38	5.12	28.48	0.00	128	352	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2465.20	106.57			73.03	5.10	28.44	0.00	123	341	Average	HORIZONTAL
2	2466.00	117.13			83.59	5.10	28.44	0.00	123	341	Peak	HORIZONTAL
3	2483.50	51.83	54.00	-2.17	18.23	5.12	28.48	0.00	123	341	Average	HORIZONTAL
4	2484.80	64.40	74.00	-9.60	30.80	5.12	28.48	0.00	123	341	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 18, 2015		
Test Mode	Mode 3: EUT 1 + Set 4 Sector Antenna / 10.5 dBi		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2388.80	52.97	54.00	-1.03	19.65	5.01	28.31	0.00	140	356	Average	HORIZONTAL
2	2388.80	66.10	74.00	-7.90	32.78	5.01	28.31	0.00	140	356	Peak	HORIZONTAL
3	2428.40	103.16			69.72	5.06	28.38	0.00	140	356	Average	HORIZONTAL
4	2429.60	113.32			79.88	5.06	28.38	0.00	140	356	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2422 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2389.00	60.84	74.00	-13.16	27.52	5.01	28.31	0.00	128	359	Peak	HORIZONTAL
2	2390.00	48.99	54.00	-5.01	15.67	5.01	28.31	0.00	128	359	Average	HORIZONTAL
3	2443.80	106.94			73.45	5.08	28.41	0.00	128	359	Average	HORIZONTAL
4	2444.20	117.35			83.86	5.08	28.41	0.00	128	359	Peak	HORIZONTAL
5	2483.50	52.89	54.00	-1.11	19.29	5.12	28.48	0.00	128	359	Average	HORIZONTAL
6	2483.80	66.65	74.00	-7.35	33.05	5.12	28.48	0.00	128	359	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2449.20	112.64			79.14	5.08	28.42	0.00	217	343	Peak	VERTICAL
2	2449.60	103.37			69.87	5.08	28.42	0.00	217	343	Average	VERTICAL
3	2483.50	52.19	54.00	-1.81	18.59	5.12	28.48	0.00	217	343	Average	VERTICAL
4	2486.00	72.98	74.00	-1.02	39.38	5.12	28.48	0.00	217	343	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 2452 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 4: EUT 1 + Set 5 Panel Antenna / 7 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2332.80	51.91	54.00	-2.09	20.03	3.79	28.09	0.00	10	159	Average	VERTICAL
2	2377.60	62.10	74.00	-11.90	30.23	3.84	28.03	0.00	10	159	Peak	VERTICAL
3	2410.80	119.89			88.03	3.86	28.00	0.00	10	159	Peak	VERTICAL
4	2411.20	115.81			83.95	3.87	27.99	0.00	10	159	Average	VERTICAL
5	2491.60	52.95	54.00	-1.05	21.12	3.92	27.91	0.00	10	159	Average	VERTICAL
6	2492.80	62.12	74.00	-11.88	30.29	3.92	27.91	0.00	10	159	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2385.00	60.80	74.00	-13.20	28.93	3.85	28.02	0.00	353	183	Peak	VERTICAL
2	2387.00	51.73	54.00	-2.27	19.86	3.85	28.02	0.00	353	183	Average	VERTICAL
3	2435.00	119.68			87.83	3.88	27.97	0.00	353	183	Peak	VERTICAL
4	2435.00	116.08			84.23	3.88	27.97	0.00	353	183	Average	VERTICAL
5	2484.20	52.11	54.00	-1.89	20.27	3.92	27.92	0.00	353	183	Average	VERTICAL
6	2487.80	65.47	74.00	-8.53	33.63	3.92	27.92	0.00	353	183	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2463.20	119.43			87.59	3.90	27.94	0.00	340	183	Peak	VERTICAL
2	2463.20	115.94			84.10	3.90	27.94	0.00	340	183	Average	VERTICAL
3	2483.50	52.63	54.00	-1.37	20.79	3.92	27.92	0.00	340	183	Average	VERTICAL
4	2486.00	62.63	74.00	-11.37	30.79	3.92	27.92	0.00	340	183	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11g CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 4: EUT 1 + Set 5 Panel Antenna / 7 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2390.00	65.77	74.00	-8.23	33.90	3.85	28.02	0.00	27	167	Peak	VERTICAL
2	2390.00	52.97	54.00	-1.03	21.10	3.85	28.02	0.00	27	167	Average	VERTICAL
3	2410.00	116.90			85.04	3.86	28.00	0.00	27	167	Peak	VERTICAL
4	2410.80	106.44			74.58	3.86	28.00	0.00	27	167	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2381.40	60.89	74.00	-13.11	29.02	3.84	28.03	0.00	29	183	Peak	VERTICAL
2	2383.40	49.36	54.00	-4.64	17.49	3.84	28.03	0.00	29	183	Average	VERTICAL
3	2433.80	124.41			92.56	3.88	27.97	0.00	29	183	Peak	VERTICAL
4	2434.60	113.79			81.94	3.88	27.97	0.00	29	183	Average	VERTICAL
5	2483.50	52.63	54.00	-1.37	20.79	3.92	27.92	0.00	29	183	Average	VERTICAL
6	2487.80	64.72	74.00	-9.28	32.88	3.92	27.92	0.00	29	183	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2464.40	105.31			73.47	3.90	27.94	0.00	347	171	Average	VERTICAL
2	2464.80	117.51			85.67	3.90	27.94	0.00	347	171	Peak	VERTICAL
3	2483.50	52.75	54.00	-1.25	20.91	3.92	27.92	0.00	347	171	Average	VERTICAL
4	2484.40	67.91	74.00	-6.09	36.07	3.92	27.92	0.00	347	171	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 4: EUT 1 + Set 5 Panel Antenna / 7 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2390.00	66.38	74.00	-7.62	34.51	3.85	28.02	0.00	1	178	Peak	VERTICAL
2	2390.00	52.85	54.00	-1.15	20.98	3.85	28.02	0.00	1	178	Average	VERTICAL
3	2404.00	104.92			73.05	3.86	28.01	0.00	1	178	Average	VERTICAL
4	2404.40	115.00			83.14	3.86	28.00	0.00	1	178	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2386.20	63.34	74.00	-10.66	31.47	3.85	28.02	0.00	29	168	Peak	VERTICAL
2	2389.80	49.11	54.00	-4.89	17.24	3.85	28.02	0.00	29	168	Average	VERTICAL
3	2434.60	115.05			83.20	3.88	27.97	0.00	29	168	Average	VERTICAL
4	2435.00	123.94			92.09	3.88	27.97	0.00	29	168	Peak	VERTICAL
5	2483.50	64.66	74.00	-9.34	32.82	3.92	27.92	0.00	29	168	Peak	VERTICAL
6	2483.54	52.54	54.00	-1.46	20.70	3.92	27.92	0.00	29	168	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2458.80	116.85			85.00	3.90	27.95	0.00	26	150	Peak	VERTICAL
2	2459.20	106.48			74.63	3.90	27.95	0.00	26	150	Average	VERTICAL
3	2483.50	63.13	74.00	-10.87	31.29	3.92	27.92	0.00	26	150	Peak	VERTICAL
4	2483.50	52.88	54.00	-1.12	21.04	3.92	27.92	0.00	26	150	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 4: EUT 1 + Set 5 Panel Antenna / 7 dBi		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2390.00	63.76	74.00	-10.24	31.89	3.85	28.02	0.00	4	172	Peak	VERTICAL
2	2390.00	52.92	54.00	-1.08	21.05	3.85	28.02	0.00	4	172	Average	VERTICAL
3	2432.80	101.45			69.60	3.88	27.97	0.00	4	172	Average	VERTICAL
4	2433.20	113.14			81.29	3.88	27.97	0.00	4	172	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2422 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.00	65.92	74.00	-8.08	34.05	3.85	28.02	0.00	5	164	Peak	VERTICAL
2	2389.40	52.97	54.00	-1.03	21.10	3.85	28.02	0.00	5	164	Average	VERTICAL
3	2427.80	106.82			74.96	3.88	27.98	0.00	5	164	Average	VERTICAL
4	2428.20	117.32			85.46	3.88	27.98	0.00	5	164	Peak	VERTICAL
5	2486.20	66.63	74.00	-7.37	34.79	3.92	27.92	0.00	5	164	Peak	VERTICAL
6	2486.20	52.92	54.00	-1.08	21.08	3.92	27.92	0.00	5	164	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2442.40	101.06			69.21	3.89	27.96	0.00	7	170	Average	VERTICAL
2	2443.20	111.11			79.26	3.89	27.96	0.00	7	170	Peak	VERTICAL
3	2483.50	64.38	74.00	-9.62	32.54	3.92	27.92	0.00	7	170	Peak	VERTICAL
4	2483.50	52.99	54.00	-1.01	21.15	3.92	27.92	0.00	7	170	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 2452 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 18, 2015		
Test Mode	Mode 5: EUT 1 + Set 6 Sector Antenna / 5 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2385.20	52.48	54.00	-1.52	20.23	5.02	27.23	0.00	216	22	Average	VERTICAL
2	2386.00	60.59	74.00	-13.41	28.34	5.02	27.23	0.00	216	22	Peak	VERTICAL
3 0	2412.80	115.25			82.91	5.04	27.30	0.00	216	22	Average	VERTICAL
4 0	2412.80	119.37			87.03	5.04	27.30	0.00	216	22	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2389.80	49.10	54.00	-4.90	16.85	5.02	27.23	0.00	222	26	Average	VERTICAL
2	2390.00	58.78	74.00	-15.22	26.53	5.02	27.23	0.00	222	26	Peak	VERTICAL
3 0	2438.60	119.91			87.49	5.07	27.35	0.00	222	26	Peak	VERTICAL
4 0	2439.00	116.32			83.90	5.07	27.35	0.00	222	26	Average	VERTICAL
5	2516.20	49.93	54.00	-4.07	17.21	5.19	27.53	0.00	222	26	Average	VERTICAL
6	2517.80	59.83	74.00	-14.17	27.11	5.19	27.53	0.00	222	26	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1 0	2464.80	112.40			79.87	5.11	27.42	0.00	212	338	Average	VERTICAL
2 0	2464.80	116.32			83.79	5.11	27.42	0.00	212	338	Peak	VERTICAL
3	2486.40	52.12	54.00	-1.88	19.50	5.15	27.47	0.00	212	338	Average	VERTICAL
4	2492.00	63.08	74.00	-10.92	30.44	5.16	27.48	0.00	212	338	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11g CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 21, 2015		
Test Mode	Mode 5: EUT 1 + Set 6 Sector Antenna / 5 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2390.00	65.42	74.00	-8.58	33.55	3.85	28.02	0.00	7	213	Peak	VERTICAL
2	2390.00	52.80	54.00	-1.20	20.93	3.85	28.02	0.00	7	213	Average	VERTICAL
3	2418.95	117.85			85.99	3.87	27.99	0.00	7	213	Peak	VERTICAL
4	2419.09	107.94			76.08	3.87	27.99	0.00	7	213	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2363.77	48.50	54.00	-5.50	16.63	3.82	28.05	0.00	10	230	Average	VERTICAL
2	2383.45	60.61	74.00	-13.39	28.74	3.84	28.03	0.00	10	230	Peak	VERTICAL
3	2443.66	121.52			89.67	3.89	27.96	0.00	10	230	Peak	VERTICAL
4	2443.95	111.49			79.64	3.89	27.96	0.00	10	230	Average	VERTICAL
5	2483.50	52.64	54.00	-1.36	20.80	3.92	27.92	0.00	10	230	Average	VERTICAL
6	2485.05	65.87	74.00	-8.13	34.03	3.92	27.92	0.00	10	230	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2463.88	116.46			84.62	3.90	27.94	0.00	356	225	Peak	HORIZONTAL
2	2464.17	104.30			72.46	3.90	27.94	0.00	356	225	Average	HORIZONTAL
3	2483.50	52.79	54.00	-1.21	20.95	3.92	27.92	0.00	356	225	Average	HORIZONTAL
4	2483.85	67.75	74.00	-6.25	35.91	3.92	27.92	0.00	356	225	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 21, 2015		
Test Mode	Mode 5: EUT 1 + Set 6 Sector Antenna / 5 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.57	66.26	74.00	-7.74	34.39	3.85	28.02	0.00	9	214	Peak	VERTICAL
2	2390.00	52.96	54.00	-1.04	21.09	3.85	28.02	0.00	9	214	Average	VERTICAL
3	2418.22	119.13			87.27	3.87	27.99	0.00	9	214	Peak	VERTICAL
4	2419.24	109.01			77.15	3.87	27.99	0.00	9	214	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2384.32	48.69	54.00	-5.31	16.82	3.85	28.02	0.00	12	212	Average	VERTICAL
2	2384.61	61.01	74.00	-12.99	29.14	3.85	28.02	0.00	12	212	Peak	VERTICAL
3	2443.66	112.11			80.26	3.89	27.96	0.00	12	212	Average	VERTICAL
4	2443.95	122.00			90.15	3.89	27.96	0.00	12	212	Peak	VERTICAL
5	2483.50	52.77	54.00	-1.23	20.93	3.92	27.92	0.00	12	212	Average	VERTICAL
6	2484.66	65.99	74.00	-8.01	34.15	3.92	27.92	0.00	12	212	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2464.03	118.21			86.37	3.90	27.94	0.00	355	219	Peak	HORIZONTAL
2	2464.75	105.26			73.42	3.90	27.94	0.00	355	219	Average	HORIZONTAL
3	2483.50	52.88	54.00	-1.12	21.04	3.92	27.92	0.00	355	219	Average	HORIZONTAL
4	2484.72	67.65	74.00	-6.35	35.81	3.92	27.92	0.00	355	219	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 21, 2015		
Test Mode	Mode 5: EUT 1 + Set 6 Sector Antenna / 5 dBi		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.00	52.58	54.00	-1.42	20.71	3.85	28.02	0.00	6	213	Average	VERTICAL
2	2389.29	64.59	74.00	-9.41	32.72	3.85	28.02	0.00	6	213	Peak	VERTICAL
3	2428.08	110.00			78.14	3.88	27.98	0.00	6	213	Peak	VERTICAL
4	2428.37	100.41			68.55	3.88	27.98	0.00	6	213	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2422 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2384.79	50.25	54.00	-3.75	18.38	3.85	28.02	0.00	11	191	Average	VERTICAL
2	2385.19	67.87	74.00	-6.13	36.00	3.85	28.02	0.00	11	191	Peak	VERTICAL
3	2443.66	102.74			70.89	3.89	27.96	0.00	11	191	Average	VERTICAL
4	2444.53	114.60			82.75	3.89	27.96	0.00	11	191	Peak	VERTICAL
5	2483.50	52.95	54.00	-1.05	21.11	3.92	27.92	0.00	11	191	Average	VERTICAL
6	2487.26	69.16	74.00	-4.84	37.32	3.92	27.92	0.00	11	191	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2458.37	101.88			70.03	3.90	27.95	0.00	8	205	Average	VERTICAL
2	2459.81	111.78			79.93	3.90	27.95	0.00	8	205	Peak	VERTICAL
3	2484.13	52.51	54.00	-1.49	20.67	3.92	27.92	0.00	8	205	Average	VERTICAL
4	2484.71	66.31	74.00	-7.69	34.47	3.92	27.92	0.00	8	205	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 2452 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 10, 2015		
Test Mode	Mode 6: EUT 1 + Set 8 Sector Antenna / 13 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2332.40	52.69	54.00	-1.31	20.29	4.31	28.09	0.00	Average	148	360	VERTICAL
2	2362.80	61.76	74.00	-12.24	29.28	4.33	28.15	0.00	Peak	148	360	VERTICAL
3	2410.80	120.99			88.37	4.38	28.24	0.00	Average	148	360	VERTICAL
4	2411.20	123.20			90.58	4.38	28.24	0.00	Peak	148	360	VERTICAL
5	2490.40	51.11	54.00	-2.89	18.20	4.51	28.40	0.00	Average	148	360	VERTICAL
6	2495.20	61.36	74.00	-12.64	28.43	4.53	28.40	0.00	Peak	148	360	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2356.20	52.52	54.00	-1.48	20.04	4.33	28.15	0.00	Average	162	360	VERTICAL
2	2356.20	60.91	74.00	-13.09	28.43	4.33	28.15	0.00	Peak	162	360	VERTICAL
3	2436.20	119.89			87.19	4.42	28.28	0.00	Average	162	360	VERTICAL
4	2436.20	123.65			90.95	4.42	28.28	0.00	Peak	162	360	VERTICAL
5	2483.80	51.70	54.00	-2.30	18.82	4.51	28.37	0.00	Average	162	360	VERTICAL
6	2484.30	61.45	74.00	-12.55	28.57	4.51	28.37	0.00	Peak	162	360	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2381.20	52.29	54.00	-1.71	19.77	4.34	28.18	0.00	Average	170	9	VERTICAL
2	2383.60	61.97	74.00	-12.03	29.45	4.34	28.18	0.00	Peak	170	9	VERTICAL
3	2460.00	119.07			86.26	4.47	28.34	0.00	Average	170	9	VERTICAL
4	2461.20	122.45			89.64	4.47	28.34	0.00	Peak	170	9	VERTICAL
5	2495.90	49.86	54.00	-4.14	16.93	4.53	28.40	0.00	Average	170	9	VERTICAL
6	2495.90	60.52	74.00	-13.48	27.59	4.53	28.40	0.00	Peak	170	9	VERTICAL

Item 3, 4 are the fundamental frequency at 2462 MHz.

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11g CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 10, 2015 ~ Nov. 11, 2015		
Test Mode	Mode 6: EUT 1 + Set 8 Sector Antenna / 13 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2389.20	52.71	54.00	-1.29	20.15	4.35	28.21	0.00	Average	133	360	VERTICAL
2	2390.00	65.54	74.00	-8.46	32.98	4.35	28.21	0.00	Peak	133	360	VERTICAL
3	2405.80	120.46			87.86	4.36	28.24	0.00	Peak	133	360	VERTICAL
4	2406.80	109.96			77.36	4.36	28.24	0.00	Average	133	360	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2361.40	51.82	54.00	-2.18	19.34	4.33	28.15	0.00	Average	196	2	HORIZONTAL
2	2362.20	63.31	74.00	-10.69	30.83	4.33	28.15	0.00	Peak	196	2	HORIZONTAL
3	2440.20	114.83			82.10	4.42	28.31	0.00	Average	196	2	HORIZONTAL
4	2440.60	126.70			93.97	4.42	28.31	0.00	Peak	196	2	HORIZONTAL
5	2483.50	52.85	54.00	-1.15	19.97	4.51	28.37	0.00	Average	196	2	HORIZONTAL
6	2483.50	66.11	74.00	-7.89	33.23	4.51	28.37	0.00	Peak	196	2	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2464.80	109.79			76.98	4.47	28.34	0.00	Average	209	5	HORIZONTAL
2	2464.80	120.61			87.80	4.47	28.34	0.00	Peak	209	5	HORIZONTAL
3	2483.50	52.74	54.00	-1.26	19.86	4.51	28.37	0.00	Average	209	5	HORIZONTAL
4	2485.20	68.67	74.00	-5.33	35.79	4.51	28.37	0.00	Peak	209	5	HORIZONTAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 11, 2015 ~ Nov. 21, 2015		
Test Mode	Mode 6: EUT 1 + Set 8 Sector Antenna / 13 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.57	63.38	74.00	-10.62	31.51	3.85	28.02	0.00	356	187	Peak	VERTICAL
2	2389.90	52.84	54.00	-1.16	20.97	3.85	28.02	0.00	356	187	Average	VERTICAL
3	2414.75	122.06			90.20	3.87	27.99	0.00	356	187	Peak	VERTICAL
4	2414.89	111.30			79.44	3.87	27.99	0.00	356	187	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2387.80	63.90	74.00	-10.10	31.34	4.35	28.21	0.00	Peak	170	5	VERTICAL
2	2388.20	52.89	54.00	-1.11	20.33	4.35	28.21	0.00	Average	170	5	VERTICAL
3	2433.40	126.06			93.37	4.41	28.28	0.00	Peak	170	5	VERTICAL
4	2433.80	115.12			82.43	4.41	28.28	0.00	Average	170	5	VERTICAL
5	2483.50	51.92	54.00	-2.08	19.04	4.51	28.37	0.00	Average	170	5	VERTICAL
6	2483.50	64.38	74.00	-9.62	31.50	4.51	28.37	0.00	Peak	170	5	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2464.60	119.21			86.40	4.47	28.34	0.00	Peak	211	6	HORIZONTAL
2	2464.80	108.18			75.37	4.47	28.34	0.00	Average	211	6	HORIZONTAL
3	2483.50	68.79	74.00	-5.21	35.91	4.51	28.37	0.00	Peak	211	6	HORIZONTAL
4	2484.00	52.97	54.00	-1.03	20.09	4.51	28.37	0.00	Average	211	6	HORIZONTAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 11, 2015		
Test Mode	Mode 6: EUT 1 + Set 8 Sector Antenna / 13 dBi		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2385.20	52.72	54.00	-1.28	20.20	4.34	28.18	0.00	Average	173	4	HORIZONTAL
2	2387.60	72.57	74.00	-1.43	40.01	4.35	28.21	0.00	Peak	173	4	HORIZONTAL
3	2425.20	104.81			72.14	4.39	28.28	0.00	Average	173	4	HORIZONTAL
4	2425.60	113.96			81.29	4.39	28.28	0.00	Peak	173	4	HORIZONTAL
5	2486.00	66.77	74.00	-7.23	33.89	4.51	28.37	0.00	Peak	173	4	HORIZONTAL
6	2496.00	47.87	54.00	-6.13	14.94	4.53	28.40	0.00	Average	173	4	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2422 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2383.80	72.99	74.00	-1.01	40.47	4.34	28.18	0.00	Peak	166	2	VERTICAL
2	2390.00	52.76	54.00	-1.24	20.20	4.35	28.21	0.00	Average	166	2	VERTICAL
3	2433.00	118.33			85.64	4.41	28.28	0.00	Peak	166	2	VERTICAL
4	2433.40	107.89			75.20	4.41	28.28	0.00	Average	166	2	VERTICAL
5	2483.50	50.55	54.00	-3.45	17.67	4.51	28.37	0.00	Average	166	2	VERTICAL
6	2485.00	72.47	74.00	-1.53	39.59	4.51	28.37	0.00	Peak	166	2	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2455.60	113.46			80.67	4.45	28.34	0.00	Peak	214	5	HORIZONTAL
2	2456.00	102.90			70.11	4.45	28.34	0.00	Average	214	5	HORIZONTAL
3	2483.50	51.41	54.00	-2.59	18.53	4.51	28.37	0.00	Average	214	5	HORIZONTAL
4	2493.60	72.96	74.00	-1.04	40.03	4.53	28.40	0.00	Peak	214	5	HORIZONTAL

Item 1, 2 are the fundamental frequency at 2452 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 15, 2015		
Test Mode	Mode 7: EUT 1 + Set 11 Omni Antenna / 5.5 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2363.20	49.17	54.00	-4.83	16.69	4.33	28.15	0.00	Average	180	93	VERTICAL
2	2365.60	58.31	74.00	-15.69	25.83	4.33	28.15	0.00	Peak	180	93	VERTICAL
3	2411.20	118.17			85.55	4.38	28.24	0.00	Average	180	93	VERTICAL
4	2411.20	120.31			87.69	4.38	28.24	0.00	Peak	180	93	VERTICAL
5	2490.40	49.33	54.00	-4.67	16.42	4.51	28.40	0.00	Average	180	93	VERTICAL
6	2491.60	58.94	74.00	-15.06	26.01	4.53	28.40	0.00	Peak	180	93	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2359.00	48.32	54.00	-5.68	15.84	4.33	28.15	0.00	Average	145	266	VERTICAL
2	2387.80	58.43	74.00	-15.57	25.87	4.35	28.21	0.00	Peak	145	266	VERTICAL
3	2438.60	114.65			81.92	4.42	28.31	0.00	Average	145	266	VERTICAL
4	2439.80	118.33			85.60	4.42	28.31	0.00	Peak	145	266	VERTICAL
5	2483.50	58.80	74.00	-15.20	25.92	4.51	28.37	0.00	Peak	145	266	VERTICAL
6	2484.30	48.04	54.00	-5.96	15.16	4.51	28.37	0.00	Average	145	266	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2461.20	106.77			73.96	4.47	28.34	0.00	Average	261	312	VERTICAL
2	2461.20	110.31			77.50	4.47	28.34	0.00	Peak	261	312	VERTICAL
3	2487.20	60.91	74.00	-13.09	28.03	4.51	28.37	0.00	Peak	261	312	VERTICAL
4	2487.60	52.73	54.00	-1.27	19.82	4.51	28.40	0.00	Average	261	312	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11g CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 15, 2015		
Test Mode	Mode 7: EUT 1 + Set 11 Omni Antenna / 5.5 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2382.60	65.68	74.00	-8.32	33.16	4.34	28.18	0.00	Peak	218	101	VERTICAL
2	2390.00	52.96	54.00	-1.04	20.40	4.35	28.21	0.00	Average	218	101	VERTICAL
3	2404.60	119.53			86.93	4.36	28.24	0.00	Peak	218	101	VERTICAL
4	2404.80	110.28			77.68	4.36	28.24	0.00	Average	218	101	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2389.00	65.18	74.00	-8.82	32.62	4.35	28.21	0.00	Peak	221	102	VERTICAL
2	2389.40	52.75	54.00	-1.25	20.19	4.35	28.21	0.00	Average	221	102	VERTICAL
3	2429.80	114.34			81.65	4.41	28.28	0.00	Average	221	102	VERTICAL
4	2430.60	124.16			91.47	4.41	28.28	0.00	Peak	221	102	VERTICAL
5	2489.80	51.95	54.00	-2.05	19.04	4.51	28.40	0.00	Average	221	102	VERTICAL
6	2489.80	67.27	74.00	-6.73	34.36	4.51	28.40	0.00	Peak	221	102	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2458.80	104.21			71.40	4.47	28.34	0.00	Peak	273	168	VERTICAL
2	2458.80	117.08			84.27	4.47	28.34	0.00	Peak	273	168	VERTICAL
3	2483.50	52.91	54.00	-1.09	20.03	4.51	28.37	0.00	Average	273	168	VERTICAL
4	2483.50	66.05	74.00	-7.95	33.17	4.51	28.37	0.00	Peak	273	168	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 15, 2015		
Test Mode	Mode 7: EUT 1 + Set 11 Omni Antenna / 5.5 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2390.00	52.78	54.00	-1.22	20.22	4.35	28.21	0.00	Average	217	111	VERTICAL
2	2390.00	64.80	74.00	-9.20	32.24	4.35	28.21	0.00	Peak	217	111	VERTICAL
3	2404.00	108.19			75.59	4.36	28.24	0.00	Average	217	111	VERTICAL
4	2404.60	118.17			85.57	4.36	28.24	0.00	Peak	217	111	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2388.60	52.68	54.00	-1.32	20.12	4.35	28.21	0.00	Average	227	109	VERTICAL
2	2389.00	65.95	74.00	-8.05	33.39	4.35	28.21	0.00	Peak	227	109	VERTICAL
3	2429.00	113.36			80.67	4.41	28.28	0.00	Average	227	109	VERTICAL
4	2430.20	124.29			91.60	4.41	28.28	0.00	Peak	227	109	VERTICAL
5	2489.40	52.25	54.00	-1.75	19.34	4.51	28.40	0.00	Average	227	109	VERTICAL
6	2489.80	67.30	74.00	-6.70	34.39	4.51	28.40	0.00	Peak	227	109	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2454.00	104.92			72.13	4.45	28.34	0.00	Peak	220	116	VERTICAL
2	2454.40	115.94			83.15	4.45	28.34	0.00	Peak	220	116	VERTICAL
3	2483.50	52.78	54.00	-1.22	19.90	4.51	28.37	0.00	Average	220	116	VERTICAL
4	2483.80	64.45	74.00	-9.55	31.57	4.51	28.37	0.00	Peak	220	116	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 15, 2015		
Test Mode	Mode 7: EUT 1 + Set 11 Omni Antenna / 5.5 dBi		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2390.00	52.96	54.00	-1.04	20.40	4.35	28.21	0.00	Average	221	117	VERTICAL
2	2390.00	64.54	74.00	-9.46	31.98	4.35	28.21	0.00	Peak	221	117	VERTICAL
3	2413.60	102.88			70.26	4.38	28.24	0.00	Average	221	117	VERTICAL
4	2414.40	113.46			80.84	4.38	28.24	0.00	Peak	221	117	VERTICAL

Item 3, 4 are the fundamental frequency at 2422 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2389.00	65.20	74.00	-8.80	32.64	4.35	28.21	0.00	Peak	230	116	VERTICAL
2	2389.80	52.53	54.00	-1.47	19.97	4.35	28.21	0.00	Average	230	116	VERTICAL
3	2428.20	114.99			82.30	4.41	28.28	0.00	Peak	230	116	VERTICAL
4	2429.00	105.42			72.73	4.41	28.28	0.00	Average	230	116	VERTICAL
5	2487.00	50.18	54.00	-3.82	17.30	4.51	28.37	0.00	Average	230	116	VERTICAL
6	2489.00	62.66	74.00	-11.34	29.75	4.51	28.40	0.00	Peak	230	116	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2444.40	100.59			67.84	4.44	28.31	0.00	Average	221	106	VERTICAL
2	2444.40	111.16			78.41	4.44	28.31	0.00	Peak	221	106	VERTICAL
3	2484.40	52.59	54.00	-1.41	19.71	4.51	28.37	0.00	Average	221	106	VERTICAL
4	2487.20	71.72	74.00	-2.28	38.84	4.51	28.37	0.00	Peak	221	106	VERTICAL

Item 1, 2 are the fundamental frequency at 2452 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 2015		
Test Mode	Mode 8: EUT 2 + Set 12 PIFA Antenna / Chain1:6.25 dBi, Chain2:5.77 dBi, Chain3:6.45 dBi, Chain4:5.60 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2385.37	52.97	54.00	-1.03	21.10	3.85	28.02	0.00	18	188	Average	HORIZONTAL
2	2388.55	64.76	74.00	-9.24	32.89	3.85	28.02	0.00	18	188	Peak	HORIZONTAL
3	2411.13	120.03			88.17	3.86	28.00	0.00	18	188	Peak	HORIZONTAL
4	2411.13	117.15			85.29	3.86	28.00	0.00	18	188	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2390.00	61.69	74.00	-12.31	29.82	3.85	28.02	0.00	355	264	Peak	VERTICAL
2	2390.00	52.99	54.00	-1.01	21.12	3.85	28.02	0.00	355	264	Average	VERTICAL
3	2437.87	119.97			88.12	3.88	27.97	0.00	355	264	Average	VERTICAL
4	2438.45	123.05			91.20	3.88	27.97	0.00	355	264	Peak	VERTICAL
5	2485.53	62.53	74.00	-11.47	30.69	3.92	27.92	0.00	355	264	Peak	VERTICAL
6	2485.53	52.55	54.00	-1.45	20.71	3.92	27.92	0.00	355	264	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2463.16	121.35			89.51	3.90	27.94	0.00	350	240	Peak	VERTICAL
2	2463.74	118.05			86.21	3.90	27.94	0.00	350	240	Average	VERTICAL
3	2485.82	63.06	74.00	-10.94	31.22	3.92	27.92	0.00	350	240	Peak	VERTICAL
4	2487.84	52.95	54.00	-1.05	21.11	3.92	27.92	0.00	350	240	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11g CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 2015		
Test Mode	Mode 8: EUT 2 + Set 12 PIFA Antenna / Chain1:6.25 dBi, Chain2:5.77 dBi, Chain3:6.45 dBi, Chain4:5.60 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2390.00	66.66	74.00	-7.34	34.79	3.85	28.02	0.00	343	156	Peak	HORIZONTAL
2	2390.00	52.51	54.00	-1.49	20.64	3.85	28.02	0.00	343	156	Average	HORIZONTAL
3	2411.13	105.64			73.78	3.86	28.00	0.00	343	156	Average	HORIZONTAL
4	2411.28	115.86			84.00	3.87	27.99	0.00	343	156	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2357.87	51.91	54.00	-2.09	20.03	3.82	28.06	0.00	355	118	Average	HORIZONTAL
2	2359.61	64.12	74.00	-9.88	32.24	3.82	28.06	0.00	355	118	Peak	HORIZONTAL
3	2437.87	124.25			92.40	3.88	27.97	0.00	355	118	Peak	HORIZONTAL
4	2438.16	114.47			82.62	3.88	27.97	0.00	355	118	Average	HORIZONTAL
5	2483.50	64.23	74.00	-9.77	32.39	3.92	27.92	0.00	355	118	Peak	HORIZONTAL
6	2483.50	51.34	54.00	-2.66	19.50	3.92	27.92	0.00	355	118	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2464.03	118.48			86.64	3.90	27.94	0.00	22	196	Peak	VERTICAL
2	2464.75	107.70			75.86	3.90	27.94	0.00	22	196	Average	VERTICAL
3	2483.50	52.80	54.00	-1.20	20.96	3.92	27.92	0.00	22	196	Average	VERTICAL
4	2483.79	67.02	74.00	-6.98	35.18	3.92	27.92	0.00	22	196	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 2015		
Test Mode	Mode 8: EUT 2 + Set 12 PIFA Antenna / Chain1:6.25 dBi, Chain2:5.77 dBi, Chain3:6.45 dBi, Chain4:5.60 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2390.00	67.32	74.00	-6.68	35.45	3.85	28.02	0.00	357	182	Peak	HORIZONTAL
2	2390.00	52.55	54.00	-1.45	20.68	3.85	28.02	0.00	357	182	Average	HORIZONTAL
3	2410.55	116.03			84.17	3.86	28.00	0.00	357	182	Peak	HORIZONTAL
4	2410.55	104.62			72.76	3.86	28.00	0.00	357	182	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2361.06	51.27	54.00	-2.73	19.39	3.82	28.06	0.00	27	192	Average	VERTICAL
2	2381.03	64.43	74.00	-9.57	32.56	3.84	28.03	0.00	27	192	Peak	VERTICAL
3	2439.60	113.85			82.00	3.89	27.96	0.00	27	192	Average	VERTICAL
4	2439.89	125.52			93.67	3.89	27.96	0.00	27	192	Peak	VERTICAL
5	2483.50	50.69	54.00	-3.31	18.85	3.92	27.92	0.00	27	192	Average	VERTICAL
6	2485.82	66.02	74.00	-7.98	34.18	3.92	27.92	0.00	27	192	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2463.74	118.79			86.95	3.90	27.94	0.00	23	181	Peak	VERTICAL
2	2464.89	106.90			75.06	3.90	27.94	0.00	23	181	Average	VERTICAL
3	2483.79	52.56	54.00	-1.44	20.72	3.92	27.92	0.00	23	181	Average	VERTICAL
4	2484.66	67.67	74.00	-6.33	35.83	3.92	27.92	0.00	23	181	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 2015		
Test Mode	Mode 8: EUT 2 + Set 12 PIFA Antenna / Chain1:6.25 dBi, Chain2:5.77 dBi, Chain3:6.45 dBi, Chain4:5.60 dBi		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2375.82	68.11	74.00	-5.89	36.24	3.83	28.04	0.00	32	165	Peak	VERTICAL
2	2385.95	52.78	54.00	-1.22	20.91	3.85	28.02	0.00	32	165	Average	VERTICAL
3	2424.89	100.70			68.84	3.87	27.99	0.00	32	165	Average	VERTICAL
4	2425.47	110.38			78.52	3.88	27.98	0.00	32	165	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2422 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2387.97	52.62	54.00	-1.38	20.75	3.85	28.02	0.00	355	183	Average	VERTICAL
2	2389.13	72.07	74.00	-1.93	40.20	3.85	28.02	0.00	355	183	Peak	VERTICAL
3	2445.97	116.01			84.16	3.89	27.96	0.00	355	183	Peak	VERTICAL
4	2446.26	105.89			74.04	3.89	27.96	0.00	355	183	Average	VERTICAL
5	2484.08	52.37	54.00	-1.63	20.53	3.92	27.92	0.00	355	183	Average	VERTICAL
6	2493.34	72.78	74.00	-1.22	40.95	3.92	27.91	0.00	355	183	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2443.32	110.52			78.67	3.89	27.96	0.00	17	233	Peak	HORIZONTAL
2	2443.90	100.53			68.68	3.89	27.96	0.00	17	233	Average	HORIZONTAL
3	2484.37	52.51	54.00	-1.49	20.67	3.92	27.92	0.00	17	233	Average	HORIZONTAL
4	2487.55	67.49	74.00	-6.51	35.65	3.92	27.92	0.00	17	233	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 2452 MHz.

Note:

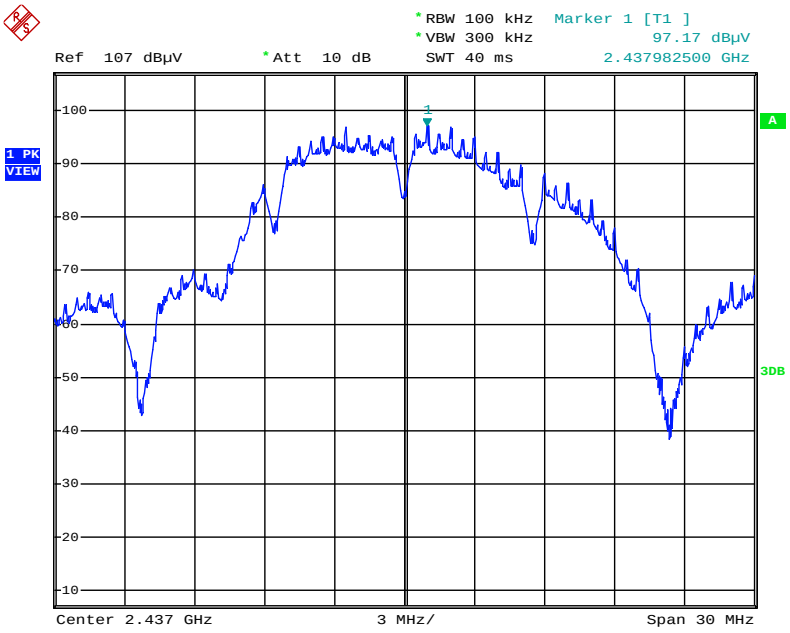
Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

For Emission not in Restricted Band

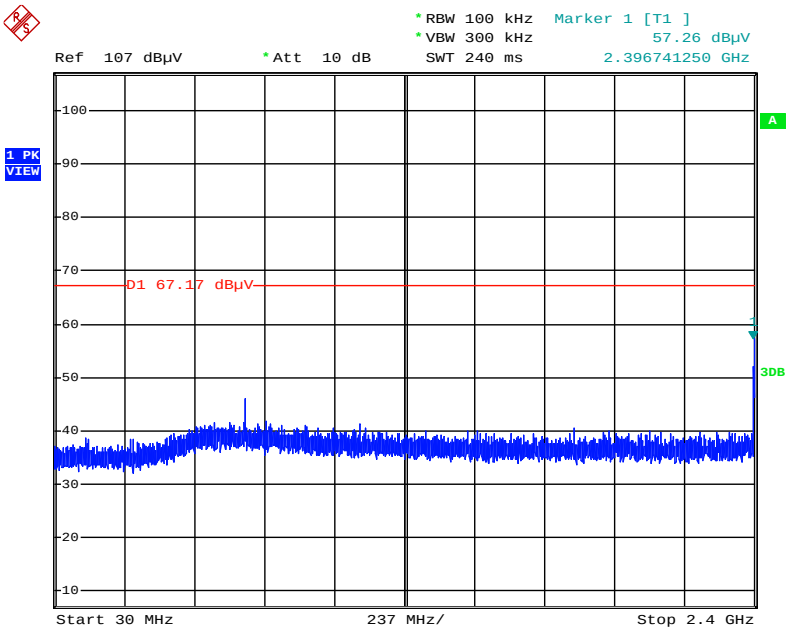
Mode 1: EUT 1 + Set 1 Sector Antenna / 7.5 dBi

Plot on Configuration IEEE 802.11b / Reference Level



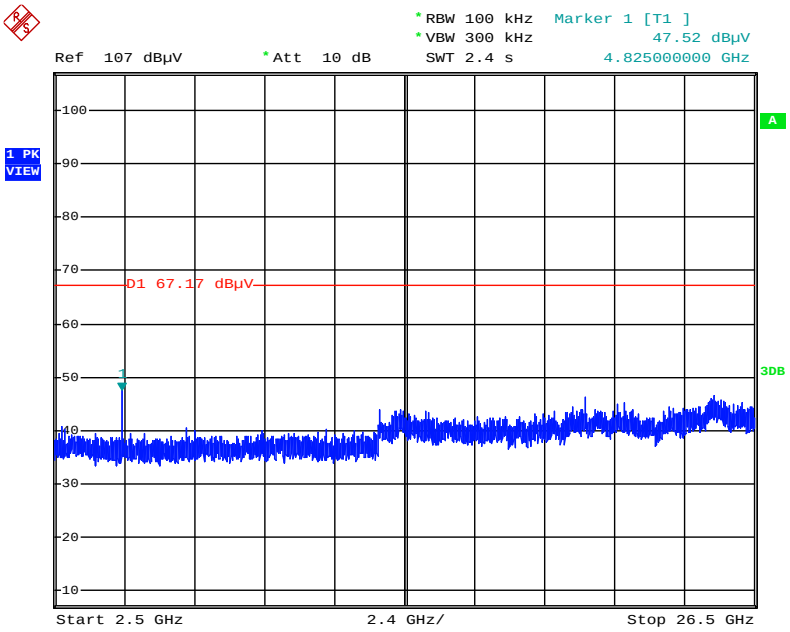
Date: 4.DEC.2015 18:02:14

Plot on Configuration IEEE 802.11b / CH 1 / 30MHz~2400MHz (down 30dBc)



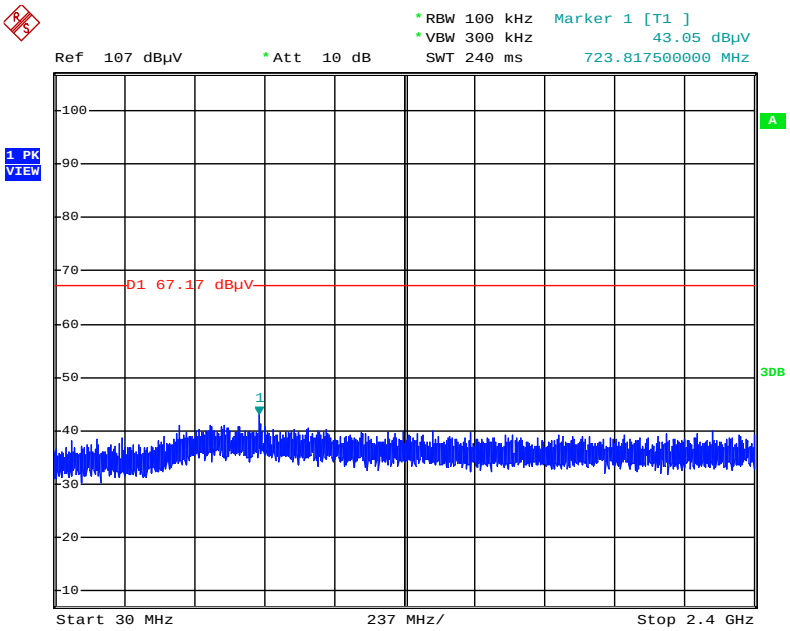
Date: 4.DEC.2015 18:07:47

Plot on Configuration IEEE 802.11b / CH 1 / 2500MHz~26500MHz (down 30dBc)



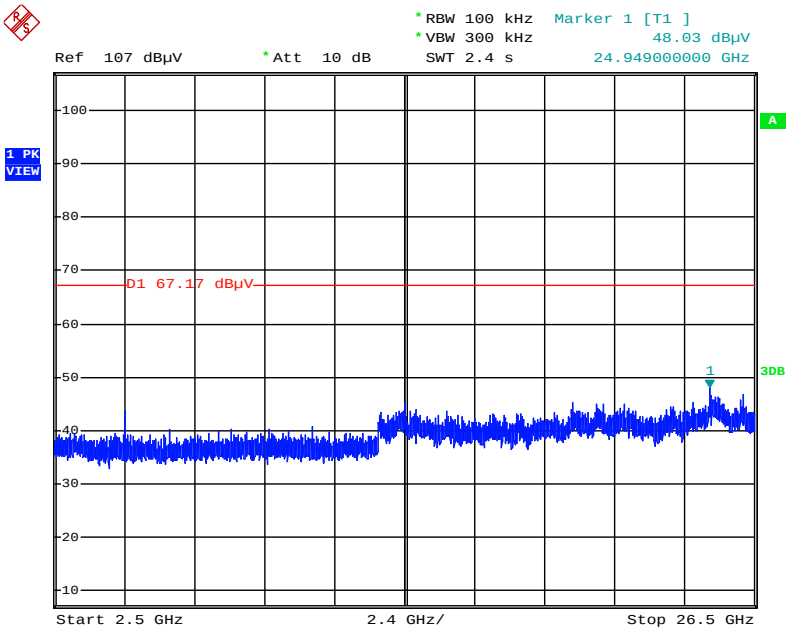
Date: 4.DEC.2015 18:08:13

Plot on Configuration IEEE 802.11b / CH 11 / 30MHz~2400MHz (down 30dBc)



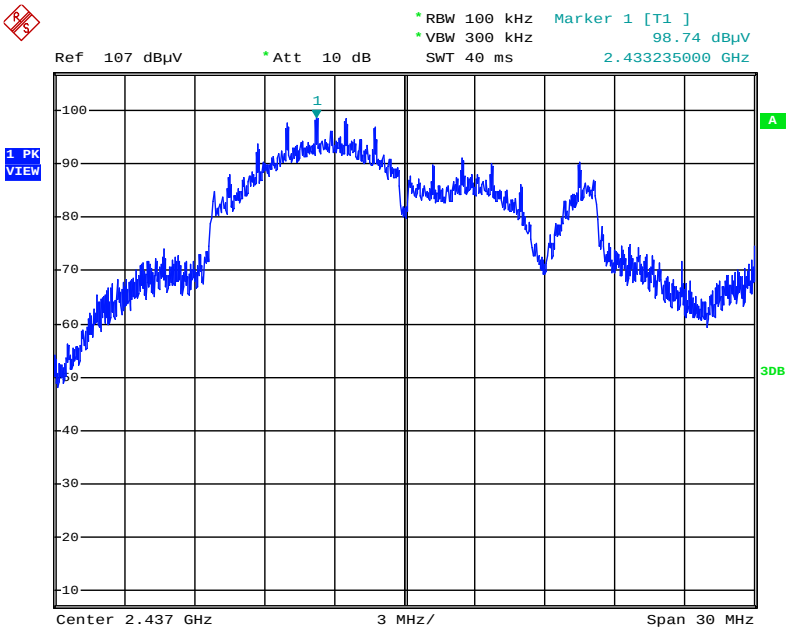
Date: 4.DEC.2015 18:09:33

Plot on Configuration IEEE 802.11b / CH 11 / 2500MHz~26500MHz (down 30dBc)



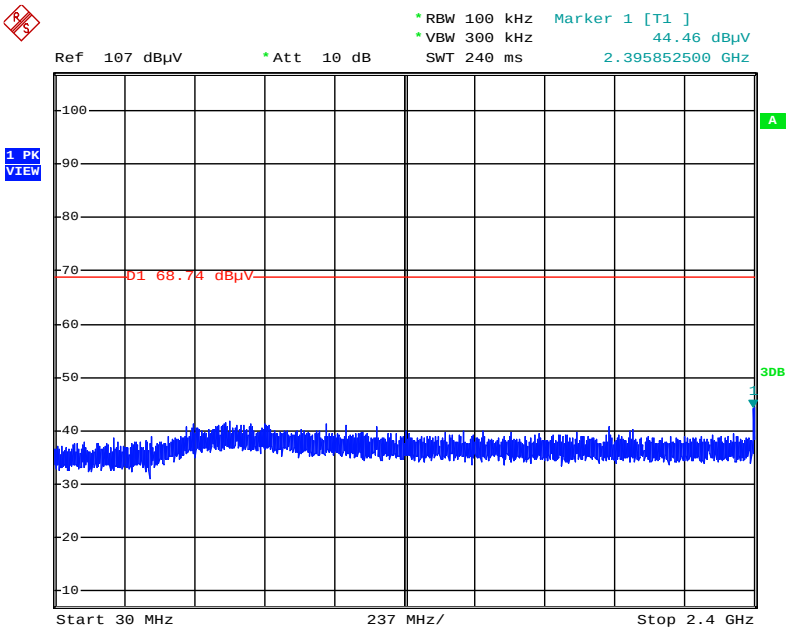
Date: 4.DEC.2015 18:09:14

Plot on Configuration IEEE 802.11g / Reference Level



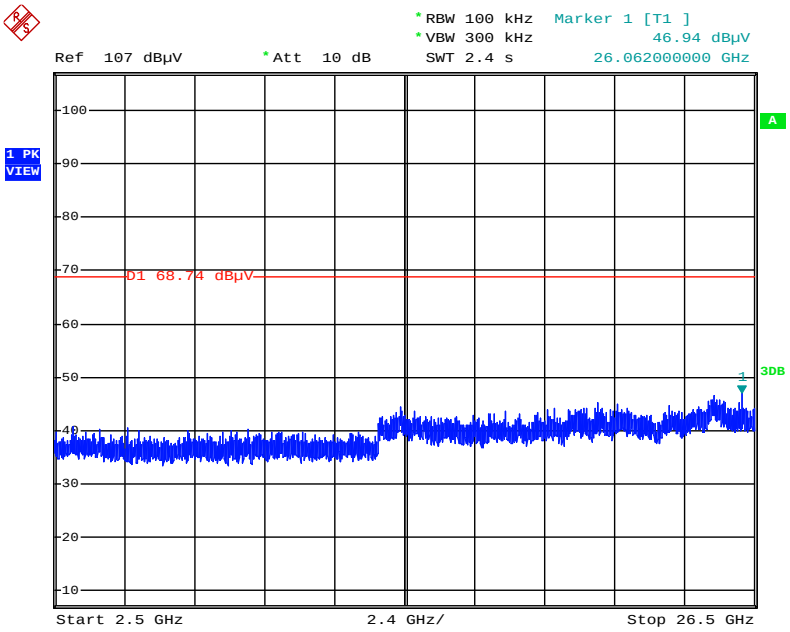
Date: 4.DEC.2015 18:12:23

Plot on Configuration IEEE 802.11g / CH 1 / 30MHz~2400MHz (down 30dBc)



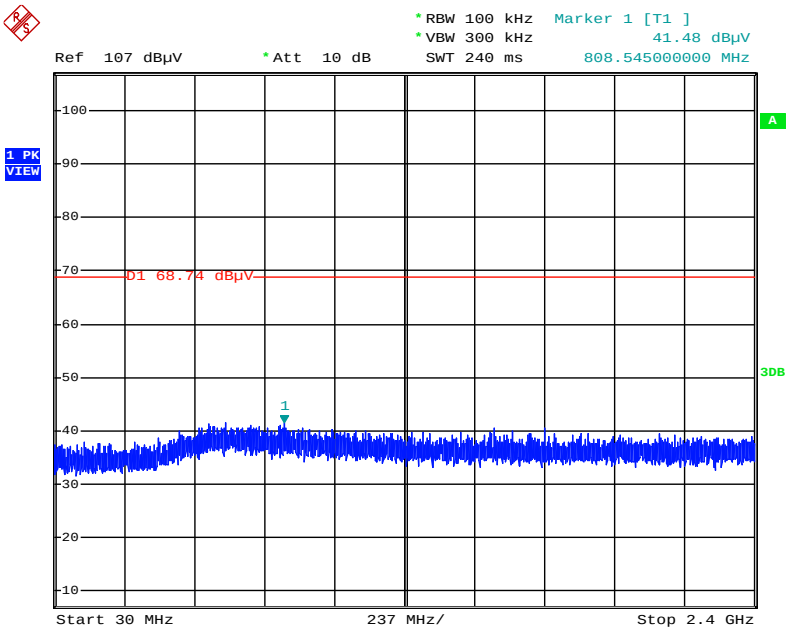
Date: 4.DEC.2015 18:13:56

Plot on Configuration IEEE 802.11g / CH 1 / 2500MHz~26500MHz (down 30dBc)



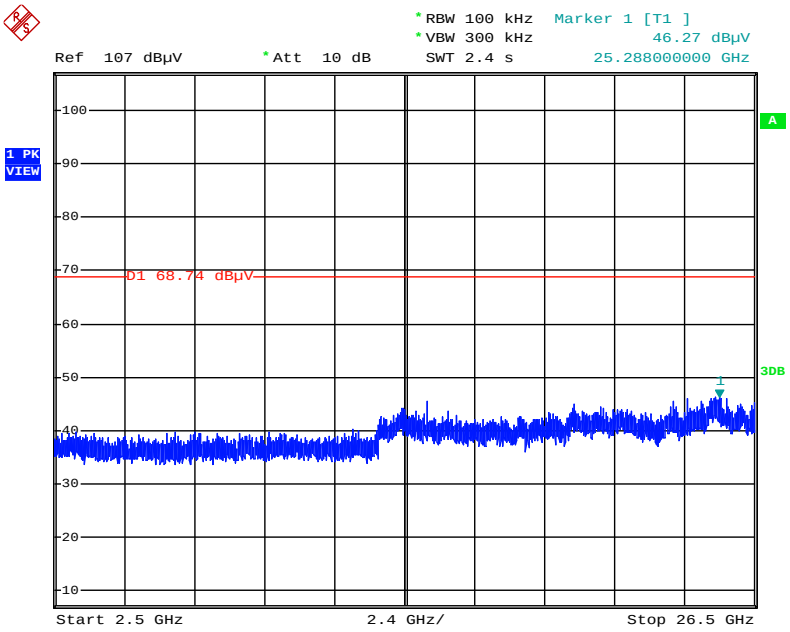
Date: 4.DEC.2015 18:14:22

Plot on Configuration IEEE 802.11g / CH 11 / 30MHz~2400MHz (down 30dBc)



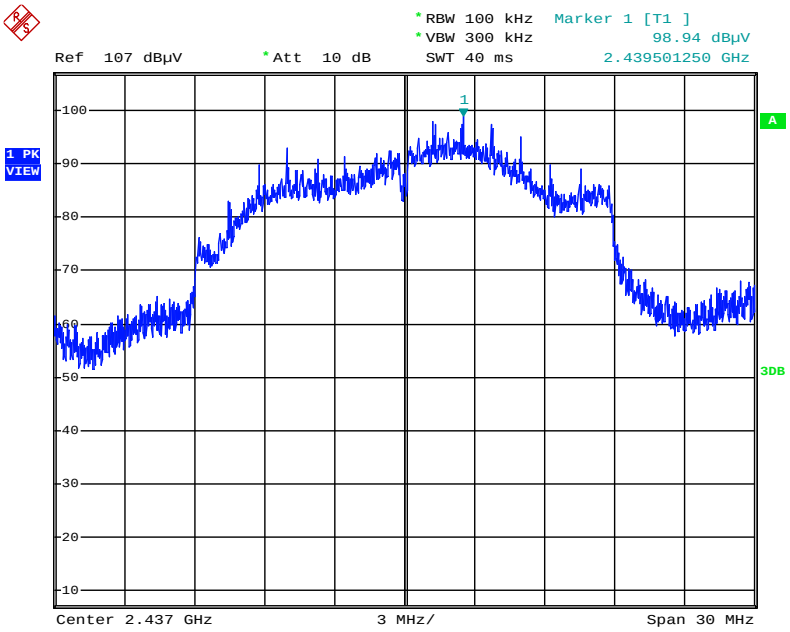
Date: 4.DEC.2015 18:15:41

Plot on Configuration IEEE 802.11g / CH 11 / 2500MHz~26500MHz (down 30dBc)



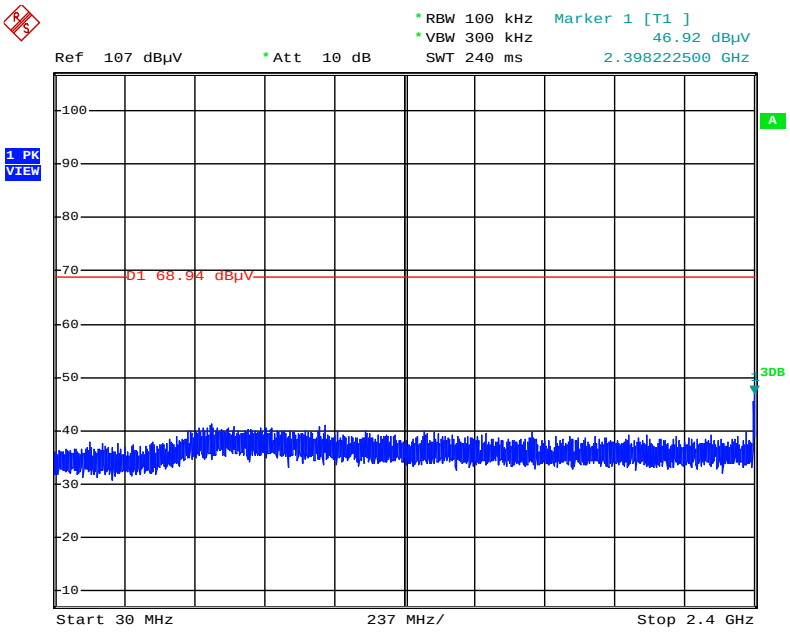
Date: 4.DEC.2015 18:15:11

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Reference Level



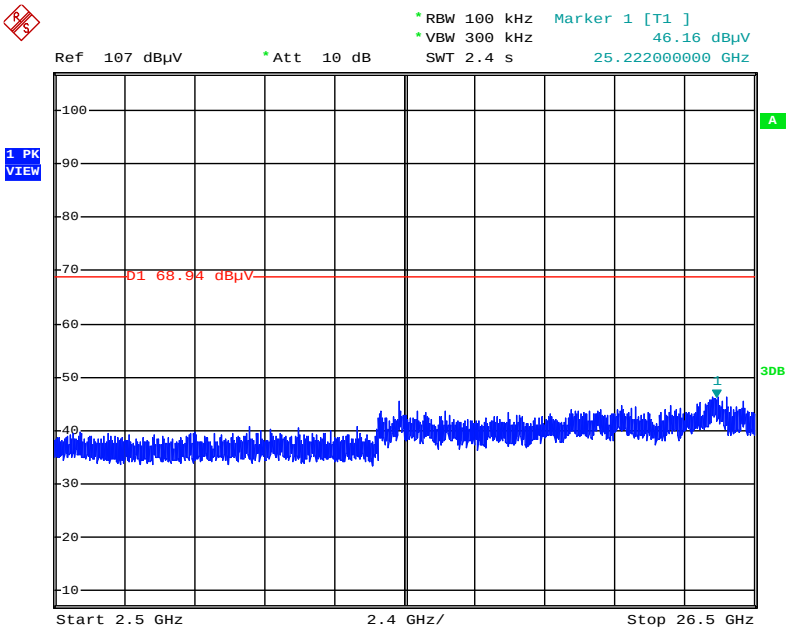
Date: 4.DEC.2015 18:17:08

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 1 / 30MHz~2400MHz (down 30dBc)



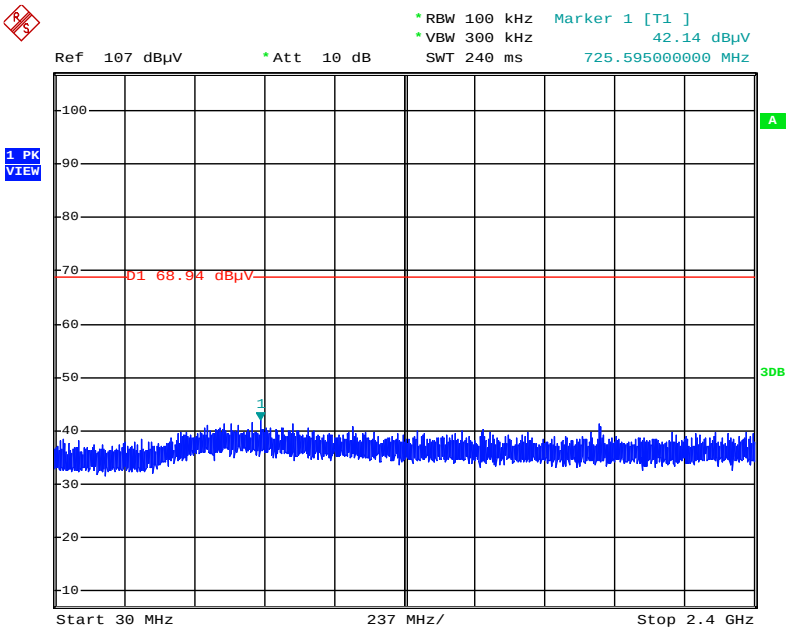
Date: 4.DEC.2015 18:19:46

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 1 / 2500MHz~26500MHz (down 30dBc)



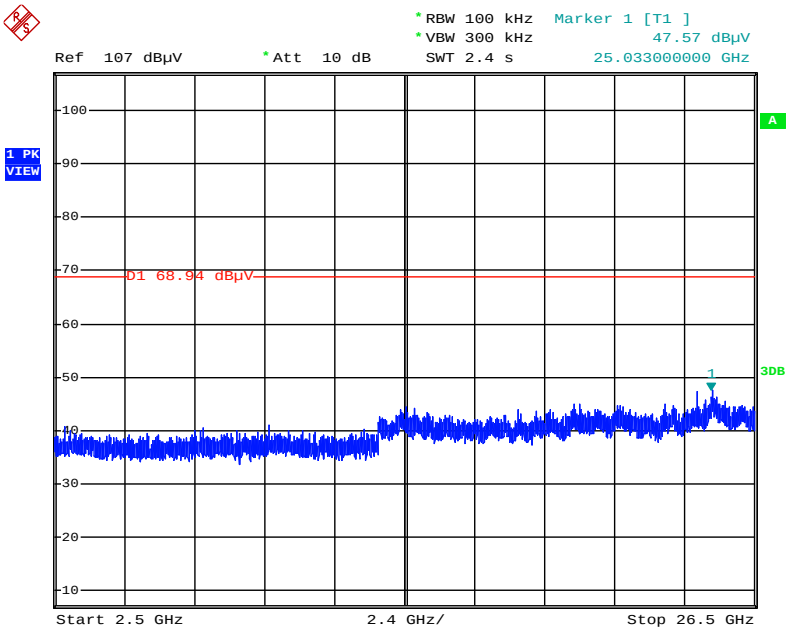
Date: 4.DEC.2015 18:20:35

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 11 / 30MHz~2400MHz (down 30dBc)



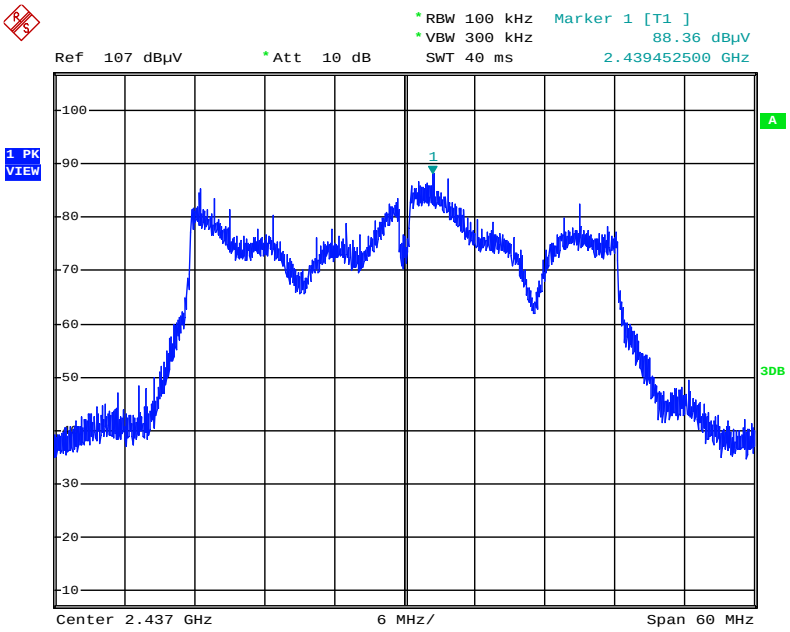
Date: 4.DEC.2015 18:23:49

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 11 / 2500MHz~26500MHz (down 30dBc)



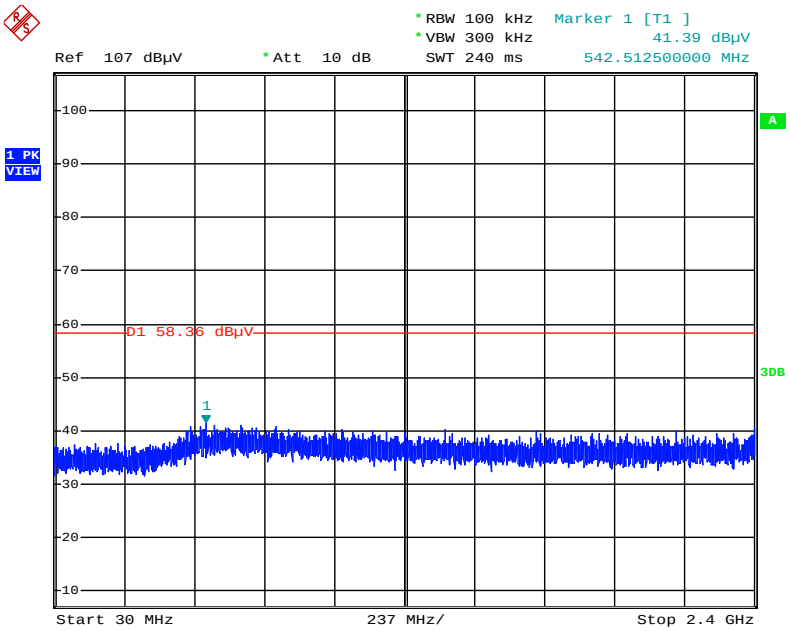
Date: 4.DEC.2015 18:23:24

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Reference Level



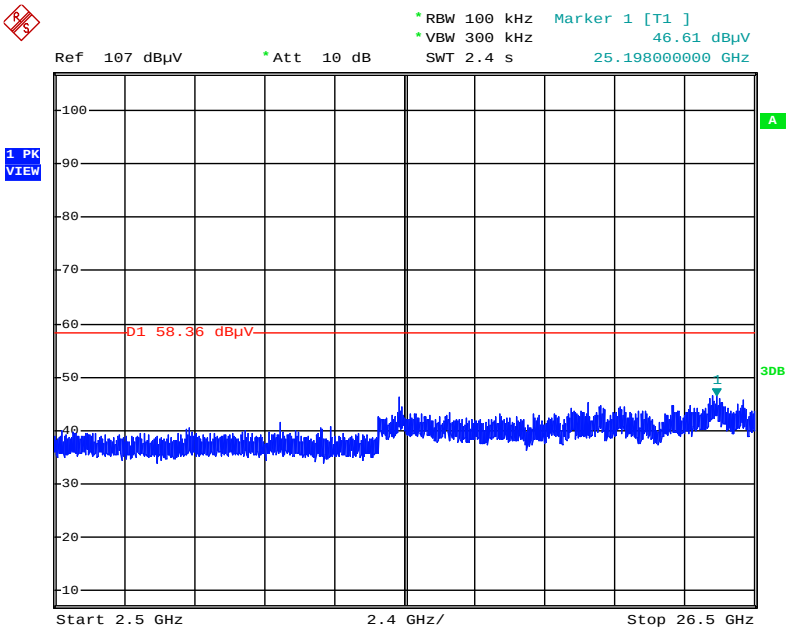
Date: 4.DEC.2015 18:26:11

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 3 / 30MHz~2400MHz (down 30dBc)



Date: 4.DEC.2015 18:33:01

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 3 / 2500MHz~26500MHz (down 30dBc)



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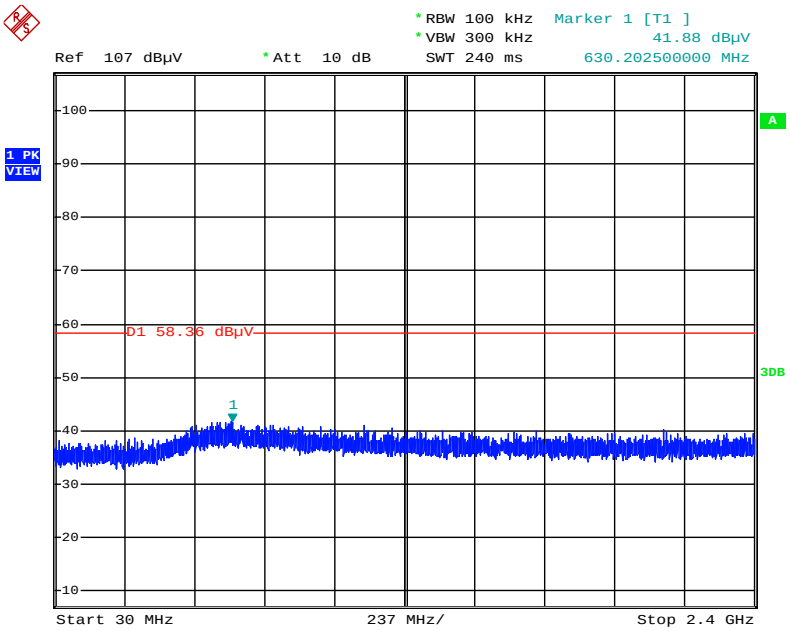
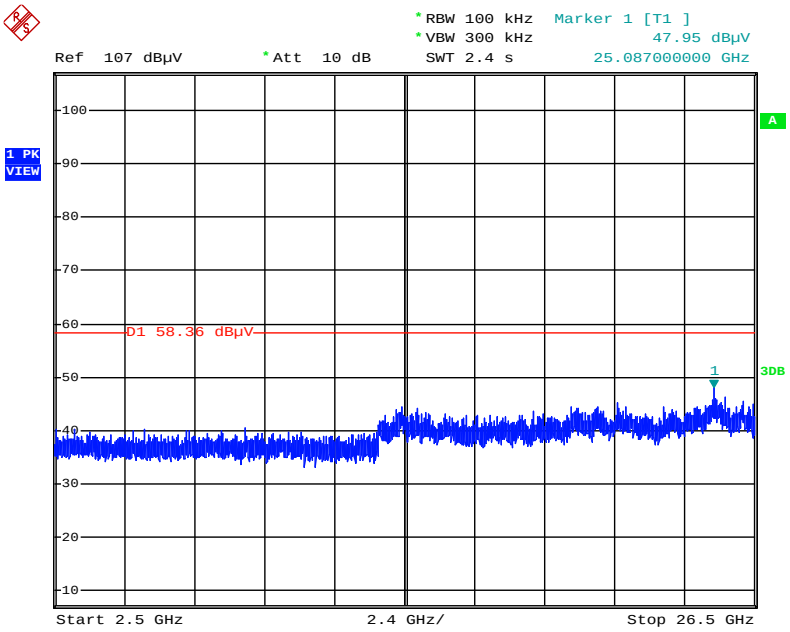
Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 9 / 30MHz~2400MHz (down 30dBc)



Date: 4.DEC.2015 18:35:13

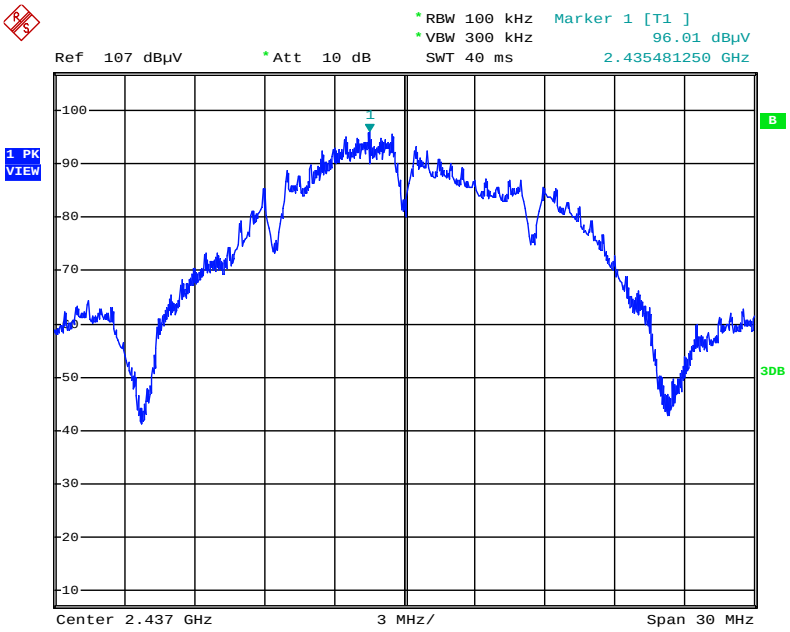
Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 9 / 2500MHz~26500MHz (down 30dBc)



Date: 4.DEC.2015 18:34:38

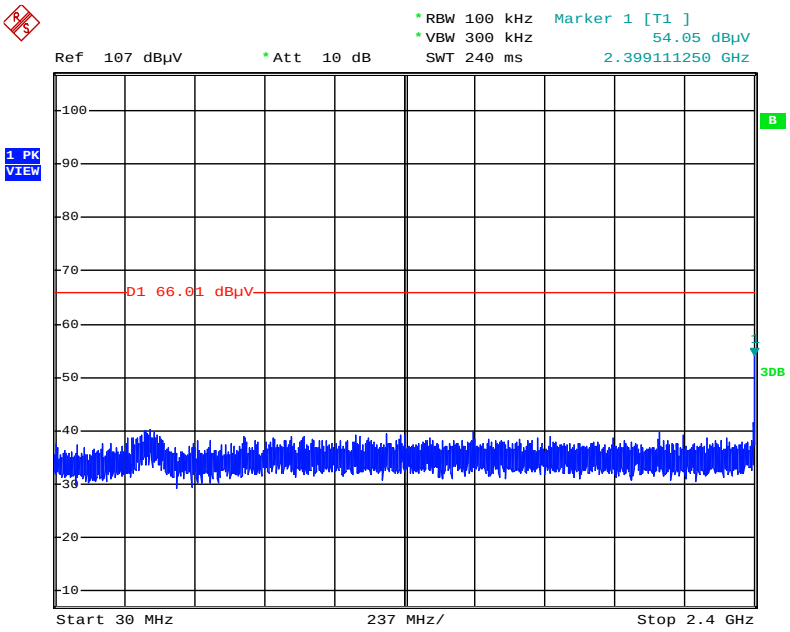
Mode 2: EUT 1 + Set 3 Sector Antenna / 5.5 dBi

Plot on Configuration IEEE 802.11b / Reference Level



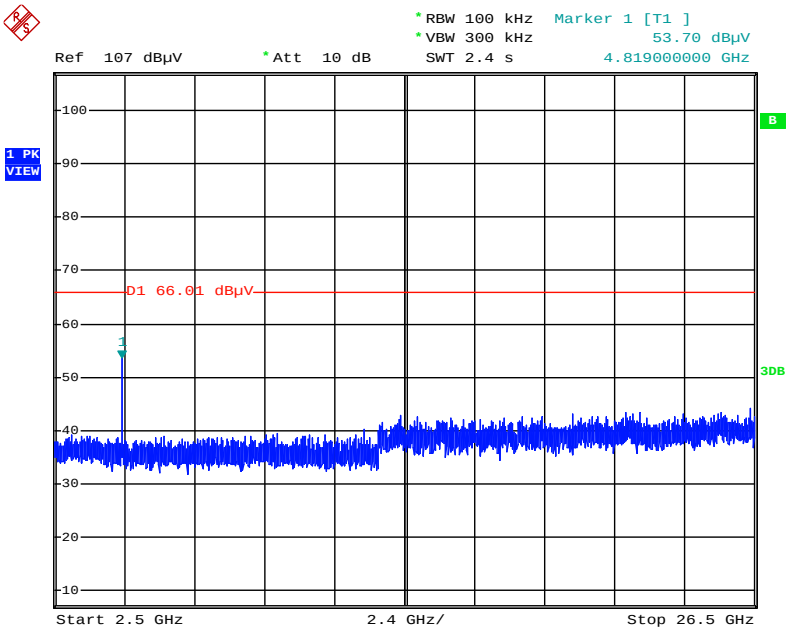
Date: 19.NOV.2015 00:57:49

Plot on Configuration IEEE 802.11b / CH 1 / 30MHz~2400MHz (down 30dBc)



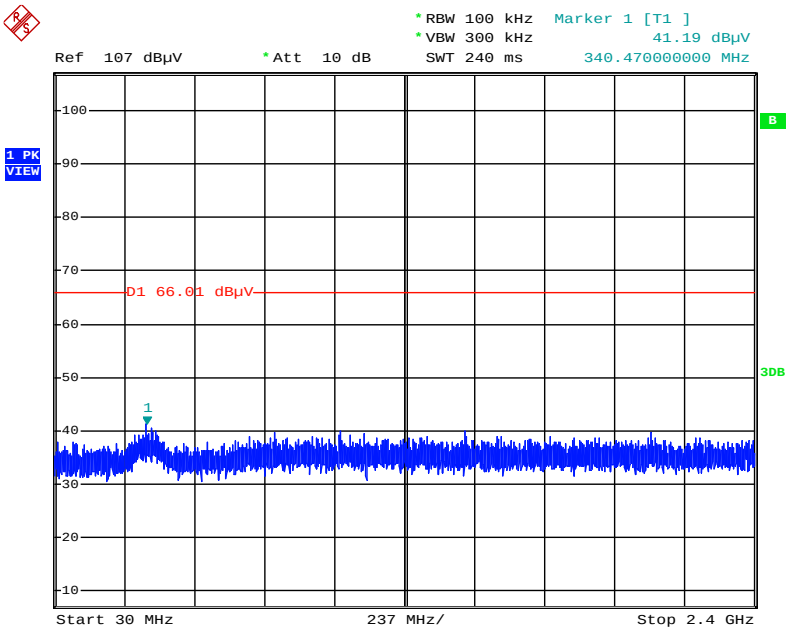
Date: 19.NOV.2015 00:58:38

Plot on Configuration IEEE 802.11b / CH 1 / 2500MHz~26500MHz (down 30dBc)



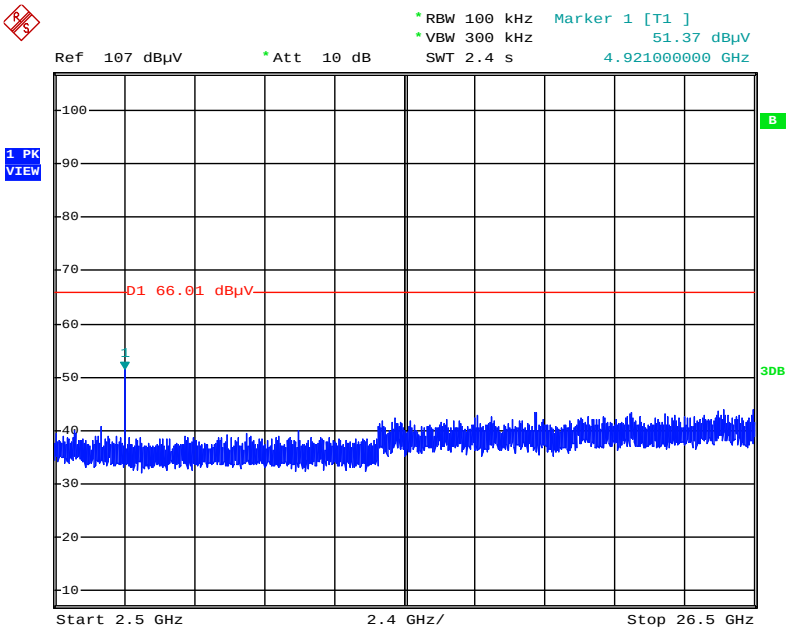
Date: 19.NOV.2015 00:59:00

Plot on Configuration IEEE 802.11b / CH 11 / 30MHz~2400MHz (down 30dBc)



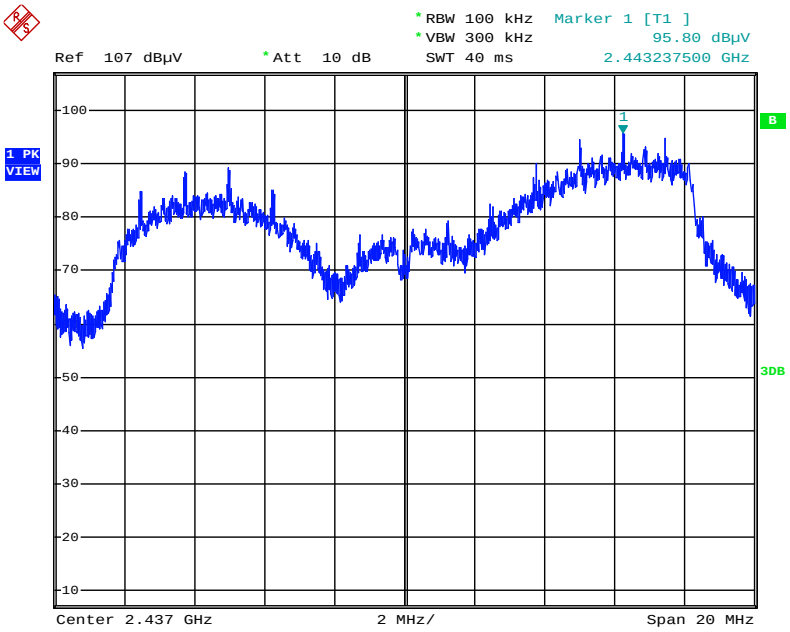
Date: 19.NOV.2015 00:59:57

Plot on Configuration IEEE 802.11b / CH 11 / 2500MHz~26500MHz (down 30dBc)



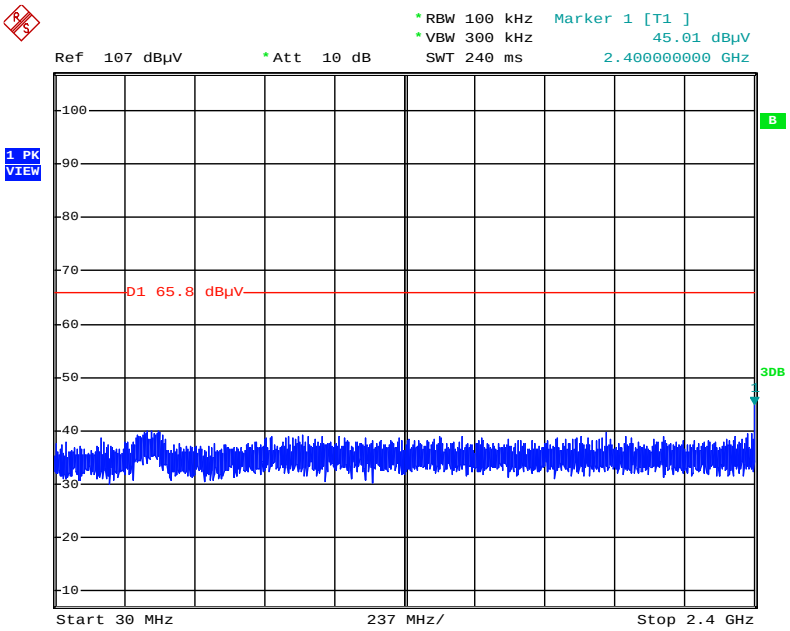
Date: 19.NOV.2015 00:59:37

Plot on Configuration IEEE 802.11g / Reference Level



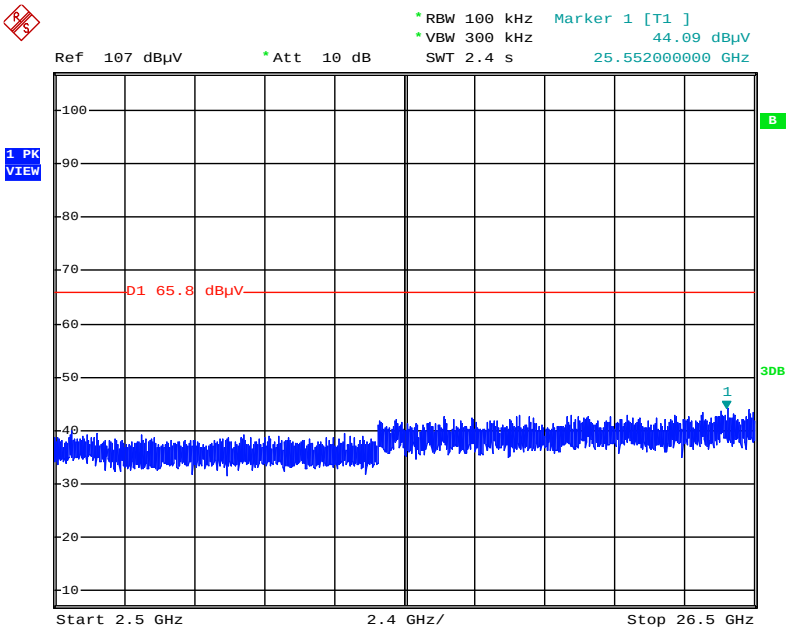
Date: 19.NOV.2015 01:01:37

Plot on Configuration IEEE 802.11g / CH 1 / 30MHz~2400MHz (down 30dBc)



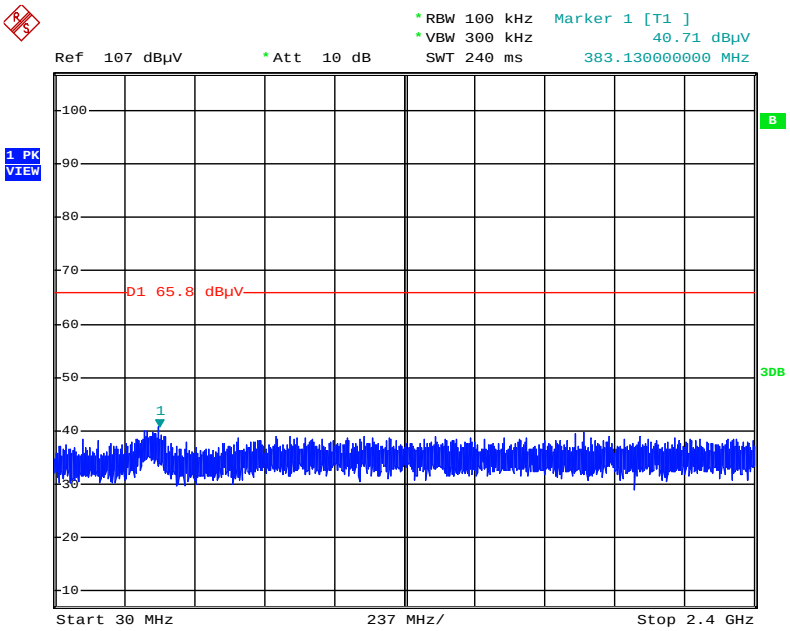
Date: 19.NOV.2015 01:02:25

Plot on Configuration IEEE 802.11g / CH 1 / 2500MHz~26500MHz (down 30dBc)



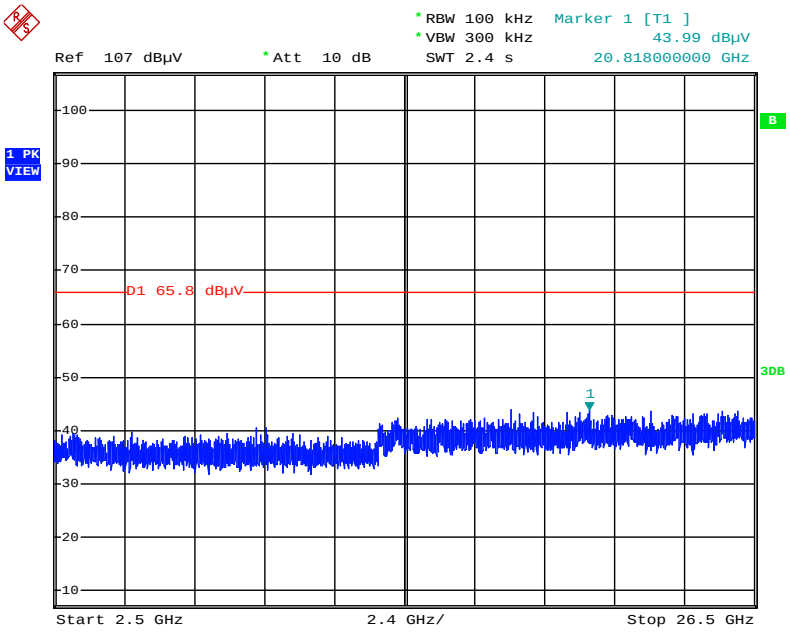
Date: 19.NOV.2015 01:02:49

Plot on Configuration IEEE 802.11g / CH 11 / 30MHz~2400MHz (down 30dBc)



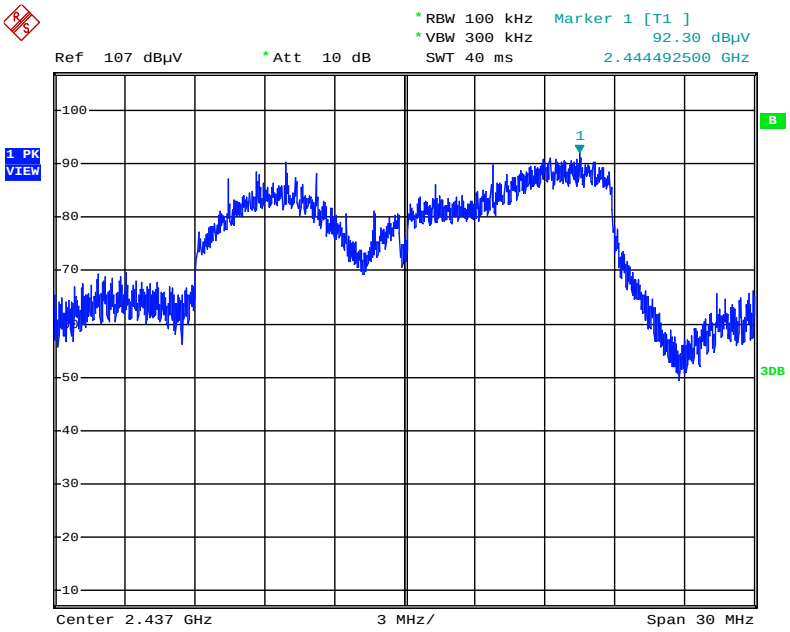
Date: 19.NOV.2015 01:03:41

Plot on Configuration IEEE 802.11g / CH 11 / 2500MHz~26500MHz (down 30dBc)



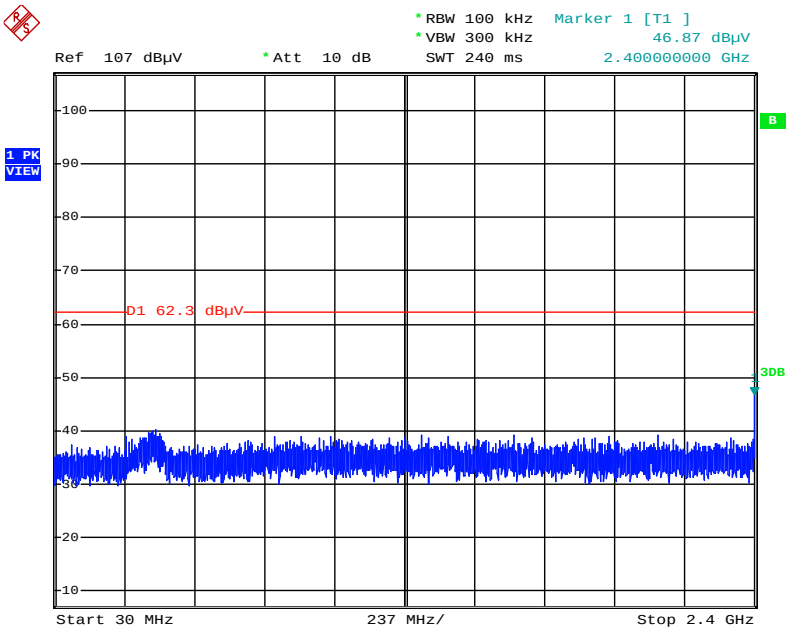
Date: 19.NOV.2015 01:03:22

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Reference Level



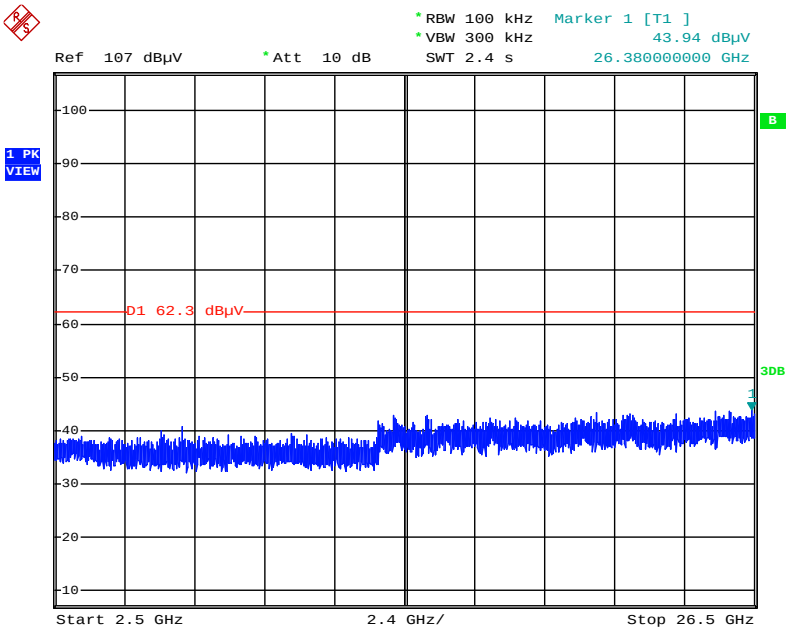
Date: 19.NOV.2015 01:06:06

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 1 / 30MHz~2400MHz (down 30dBc)



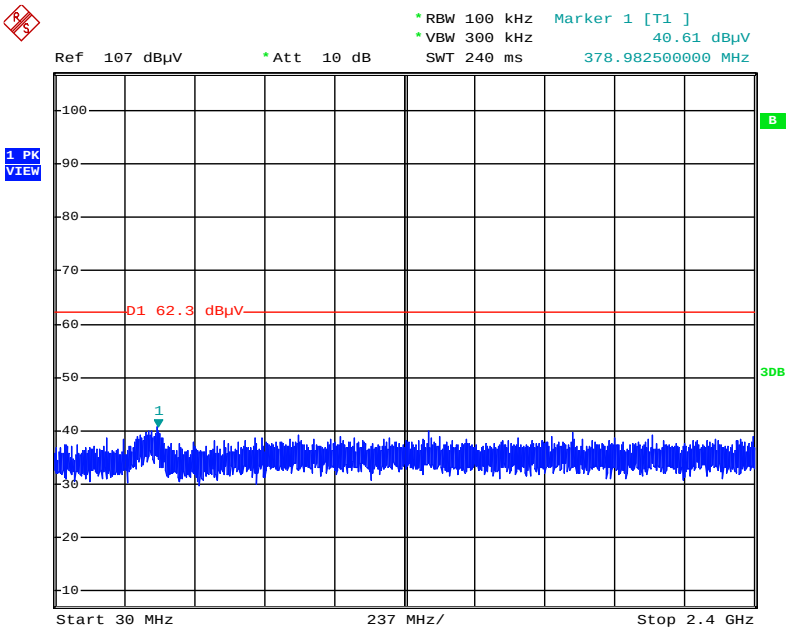
Date: 19.NOV.2015 01:06:58

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 1 / 2500MHz~26500MHz (down 30dBc)



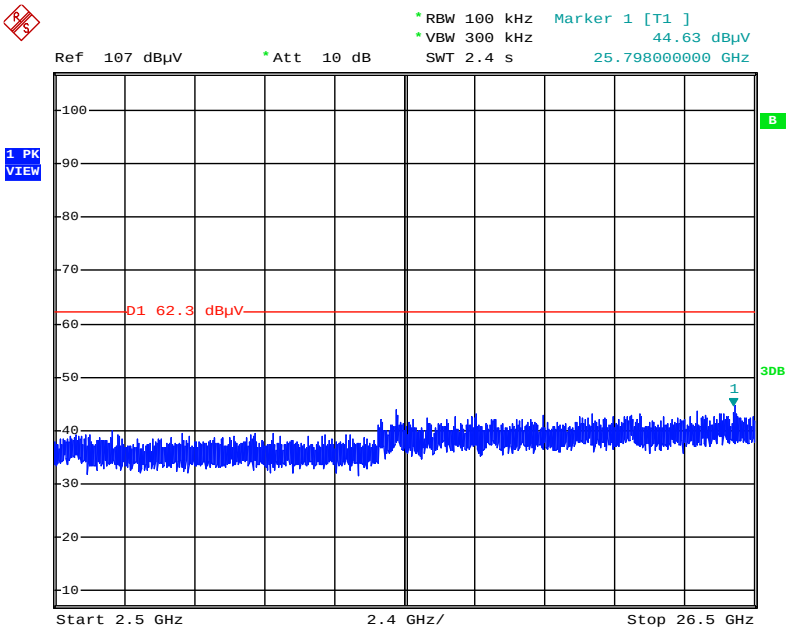
Date: 19.NOV.2015 01:07:19

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 11 / 30MHz~2400MHz (down 30dBc)



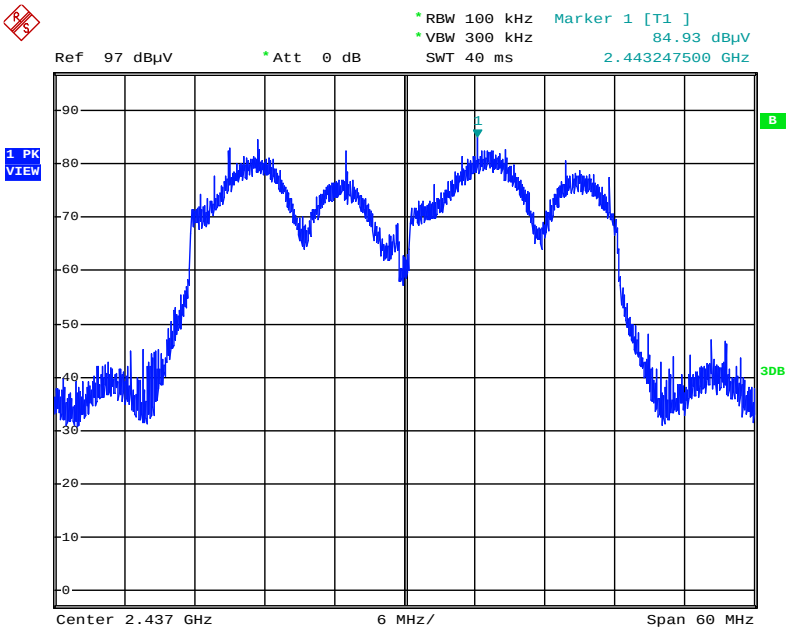
Date: 19.NOV.2015 01:08:33

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 11 / 2500MHz~26500MHz (down 30dBc)



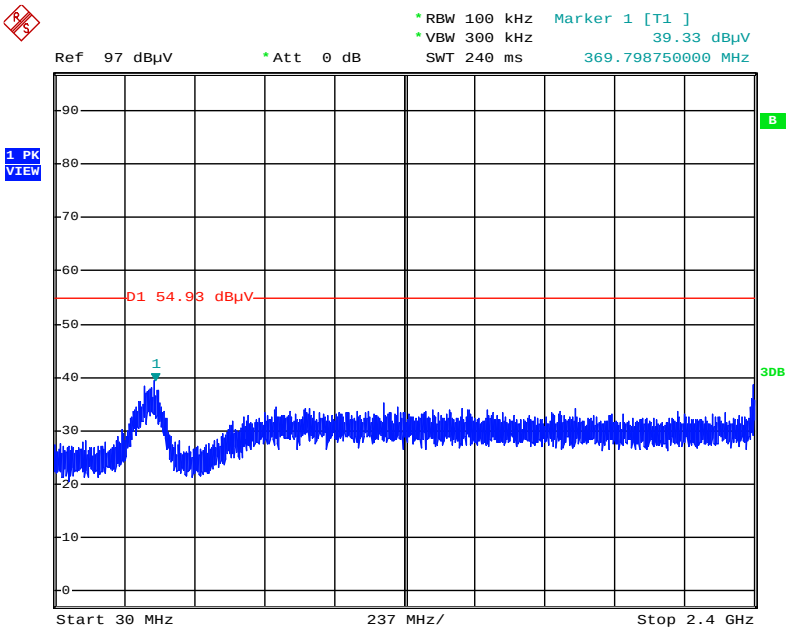
Date: 19.NOV.2015 01:08:06

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Reference Level



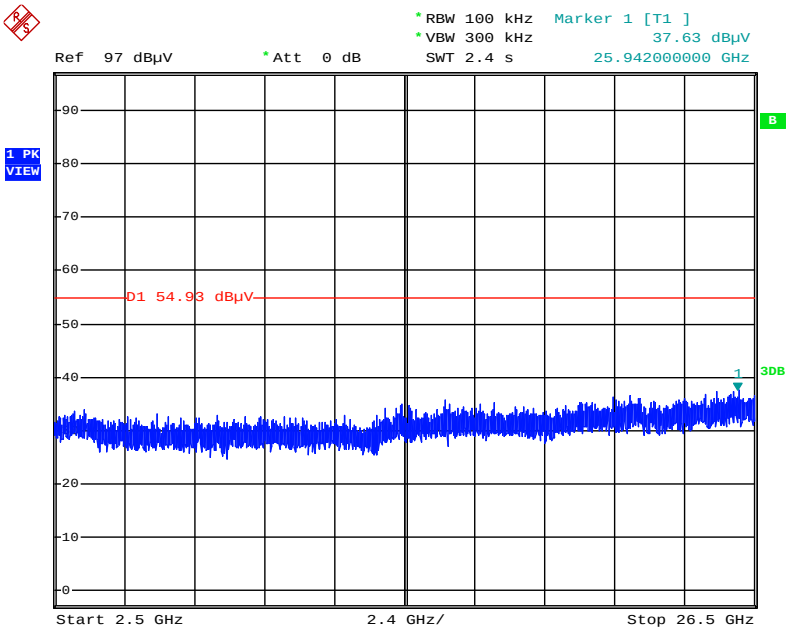
Date: 19.NOV.2015 01:10:06

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 3 / 30MHz~2400MHz (down 30dBc)



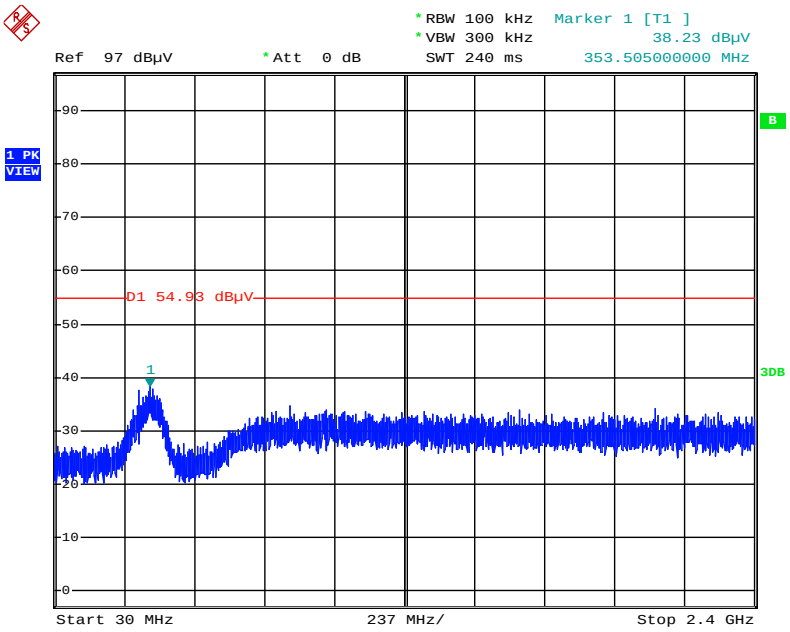
Date: 19.NOV.2015 01:11:19

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 3 / 2500MHz~26500MHz (down 30dBc)



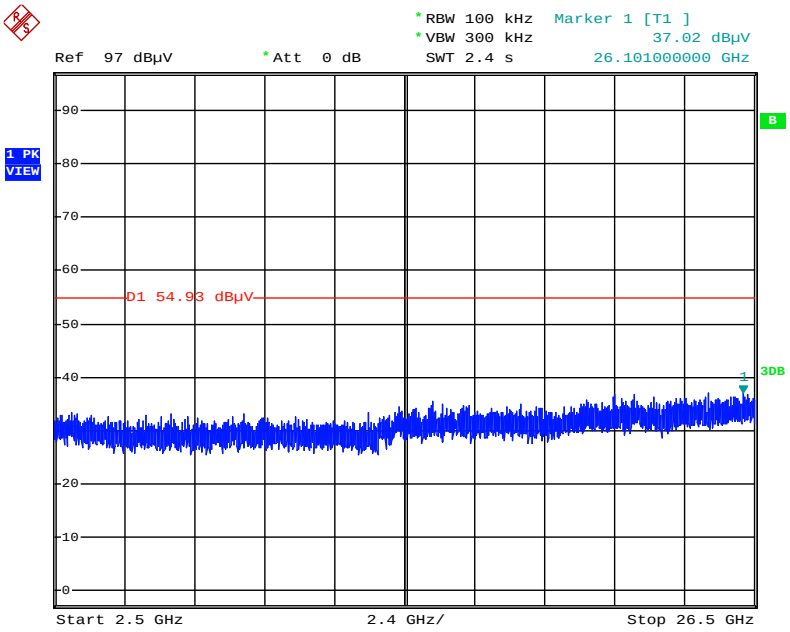
Date: 19.NOV.2015 01:11:41

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 9 / 30MHz~2400MHz (down 30dBc)



Date: 19.NOV.2015 01:12:41

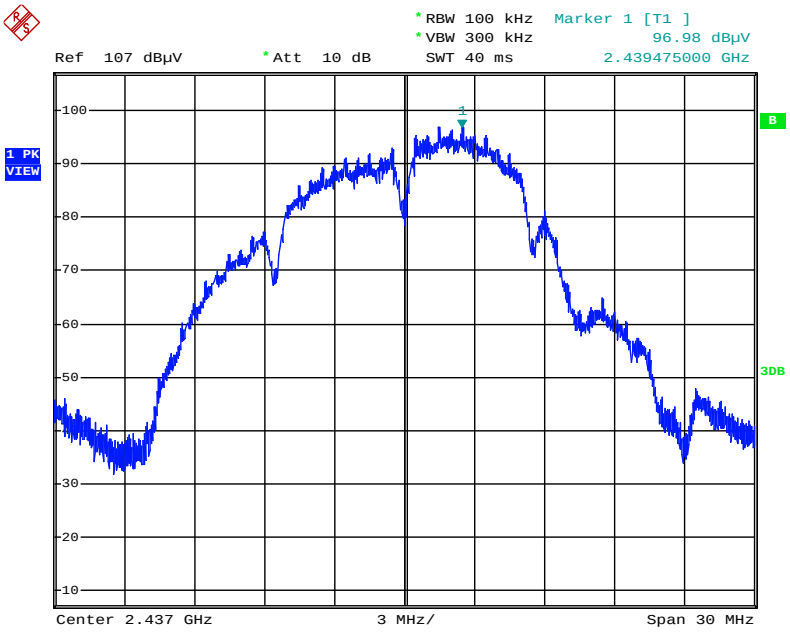
Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 9 / 2500MHz~26500MHz (down 30dBc)



Date: 19.NOV.2015 01:12:21

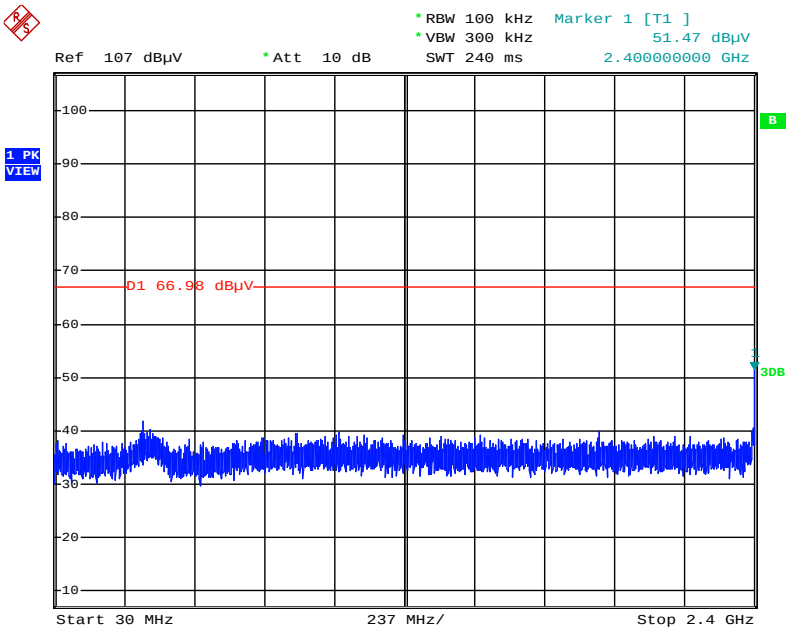
Mode 3: EUT 1 + Set 4 Sector Antenna / 10.5 dBi

Plot on Configuration IEEE 802.11b / Reference Level



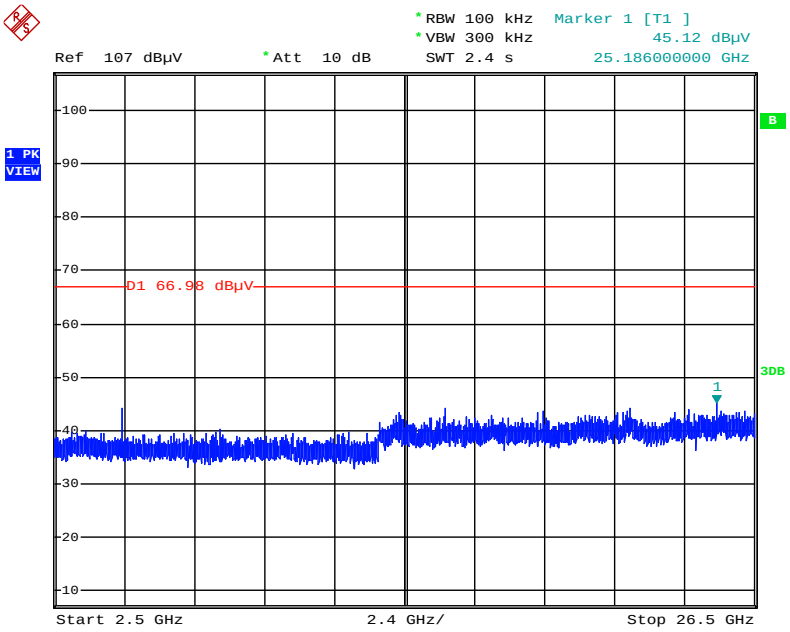
Date: 18.NOV.2015 23:30:07

Plot on Configuration IEEE 802.11b / CH 1 / 30MHz~2400MHz (down 30dBc)



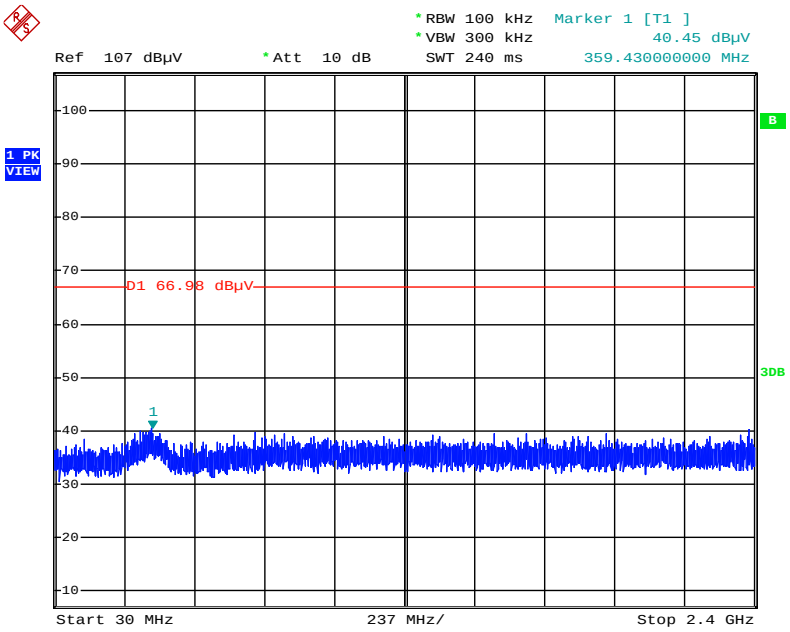
Date: 18.NOV.2015 23:59:50

Plot on Configuration IEEE 802.11b / CH 1 / 2500MHz~26500MHz (down 30dBc)



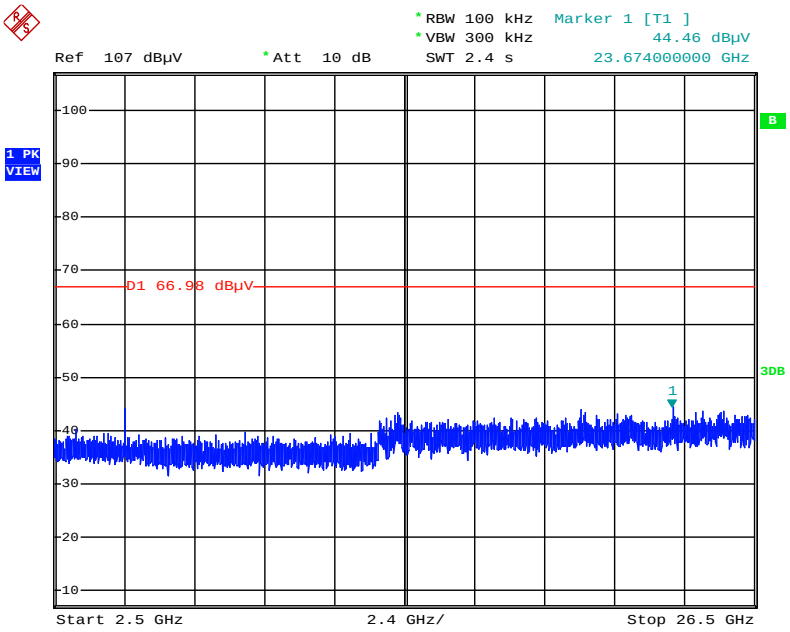
Date: 19.NOV.2015 00:00:41

Plot on Configuration IEEE 802.11b / CH 11 / 30MHz~2400MHz (down 30dBc)



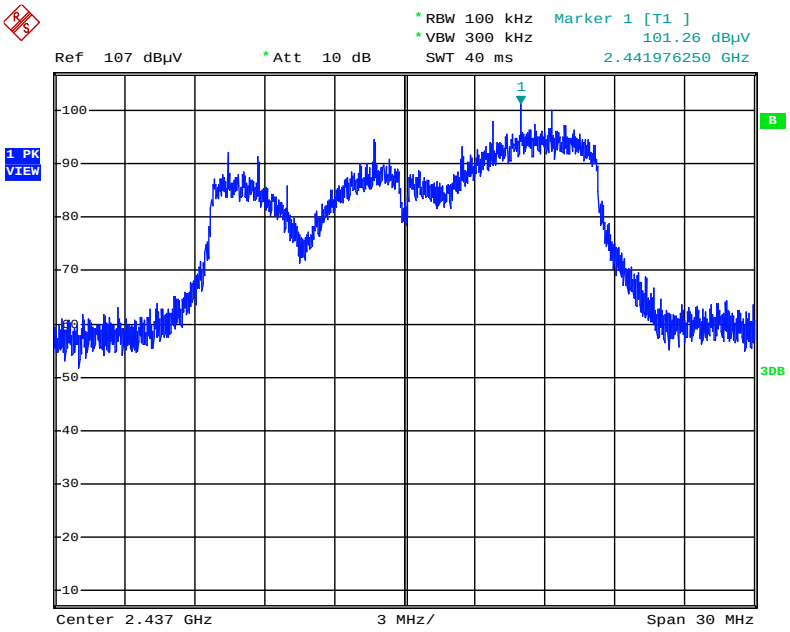
Date: 19.NOV.2015 00:01:48

Plot on Configuration IEEE 802.11b / CH 11 / 2500MHz~26500MHz (down 30dBc)



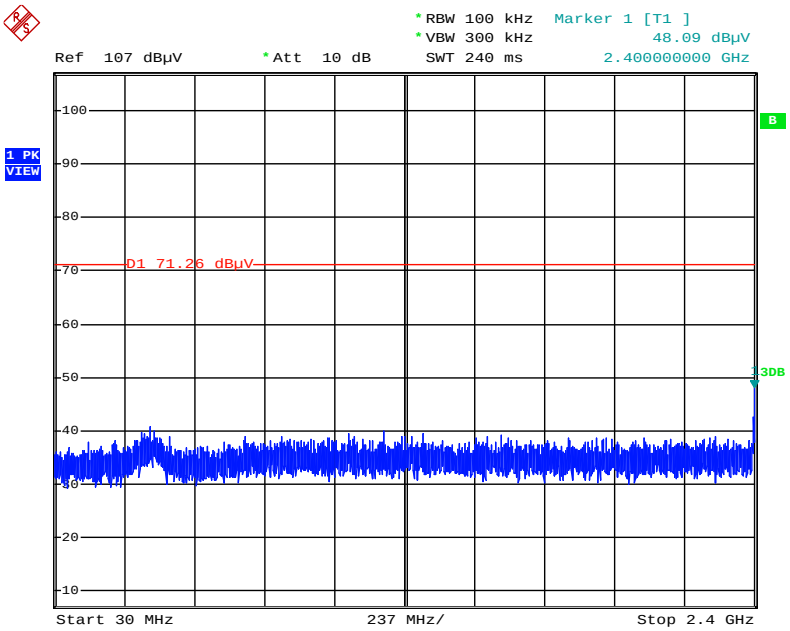
Date: 19.NOV.2015 00:01:23

Plot on Configuration IEEE 802.11g / Reference Level



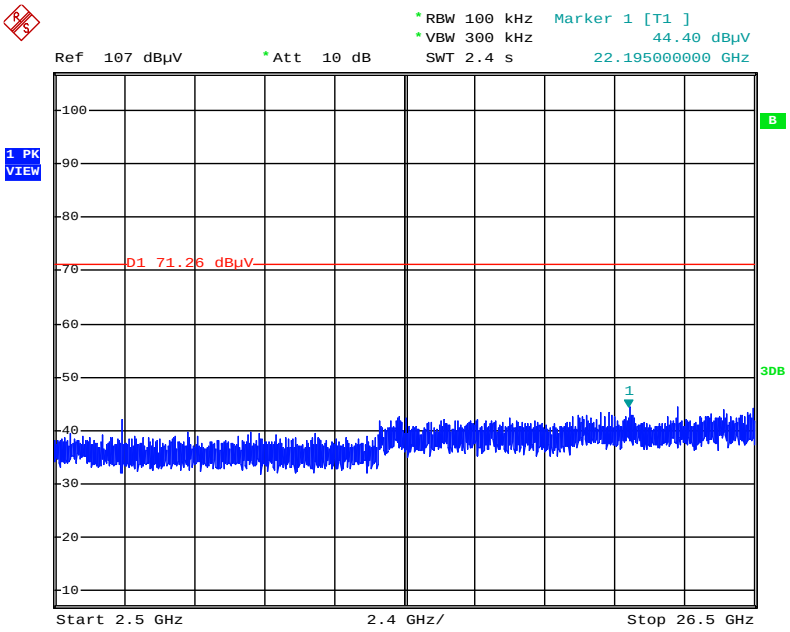
Date: 19.NOV.2015 00:04:15

Plot on Configuration IEEE 802.11g / CH 1 / 30MHz~2400MHz (down 30dBc)



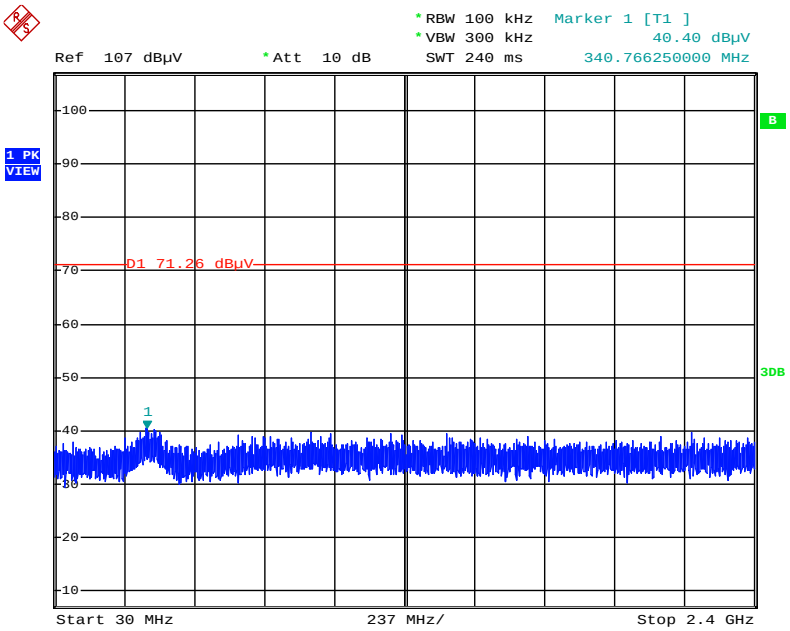
Date: 19.NOV.2015 00:05:17

Plot on Configuration IEEE 802.11g / CH 1 / 2500MHz~26500MHz (down 30dBc)



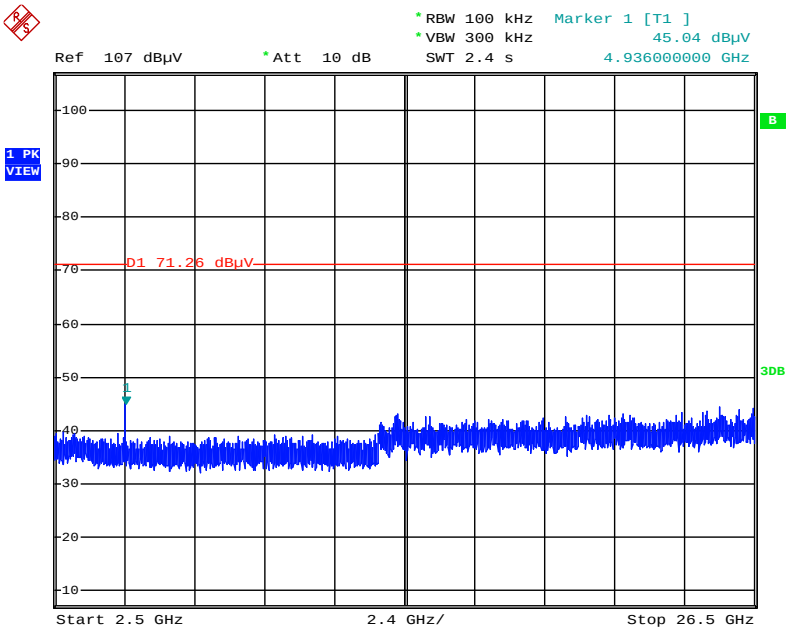
Date: 19.NOV.2015 00:05:46

Plot on Configuration IEEE 802.11g / CH 11 / 30MHz~2400MHz (down 30dBc)



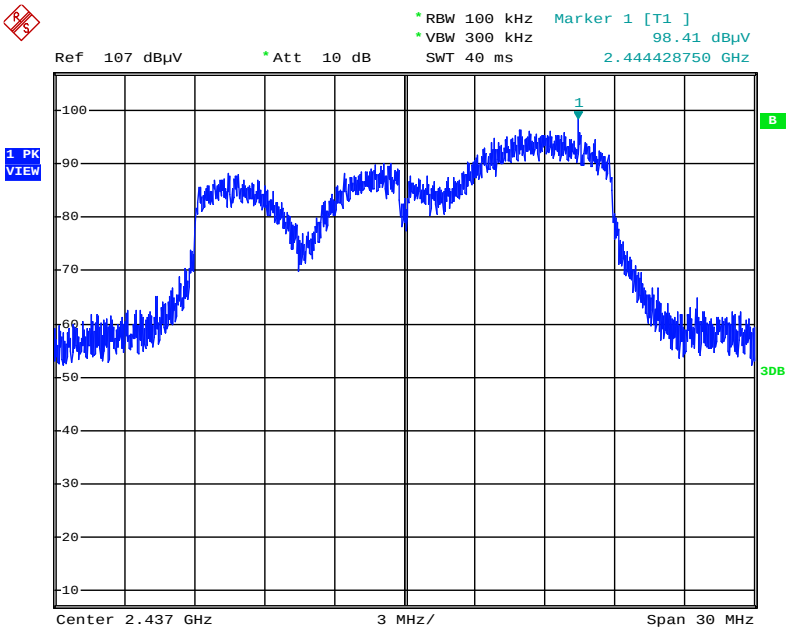
Date: 19.NOV.2015 00:06:45

Plot on Configuration IEEE 802.11g / CH 11 / 2500MHz~26500MHz (down 30dBc)



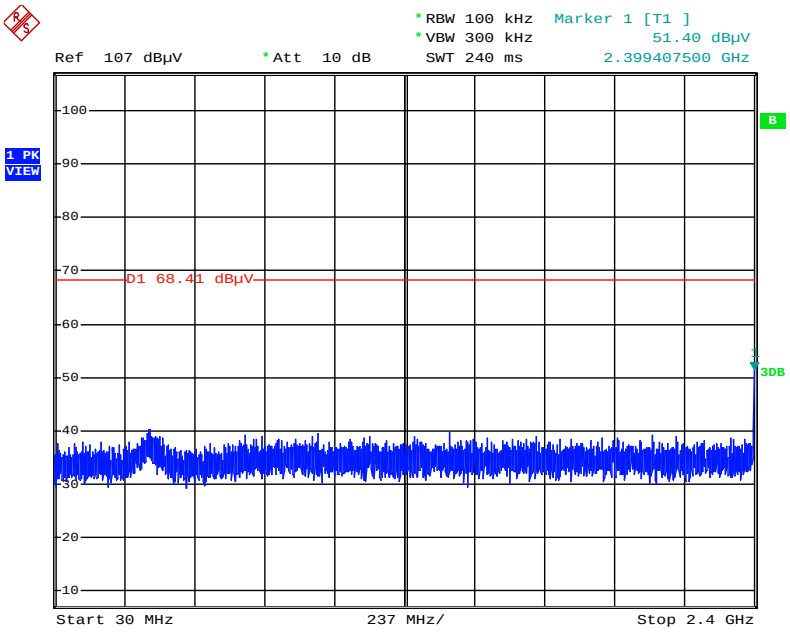
Date: 19.NOV.2015 00:06:24

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Reference Level



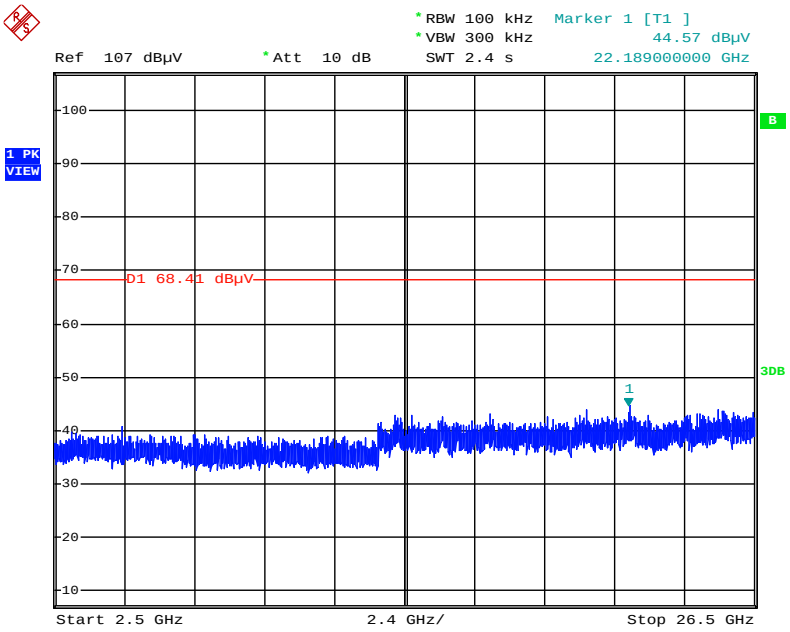
Date: 19.NOV.2015 00:08:05

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 1 / 30MHz~2400MHz (down 30dBc)



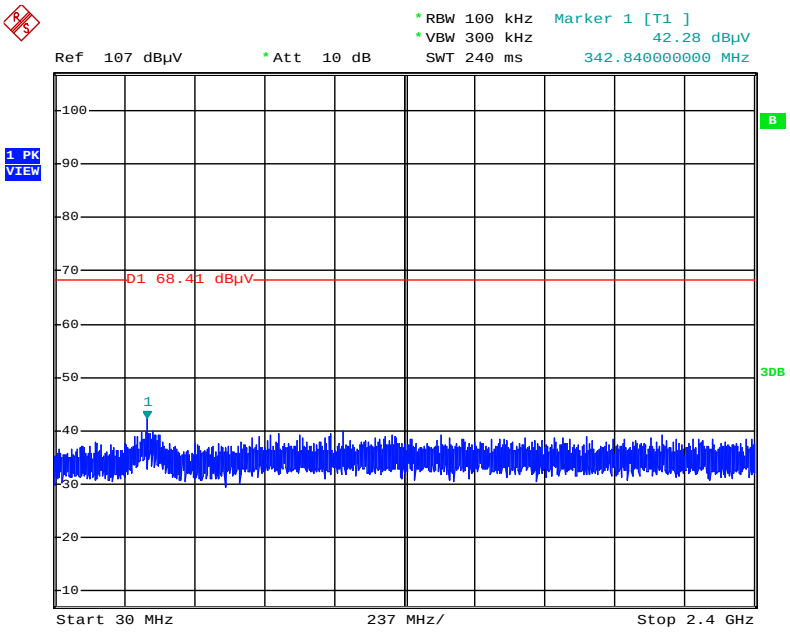
Date: 19.NOV.2015 00:10:13

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 1 / 2500MHz~26500MHz (down 30dBc)



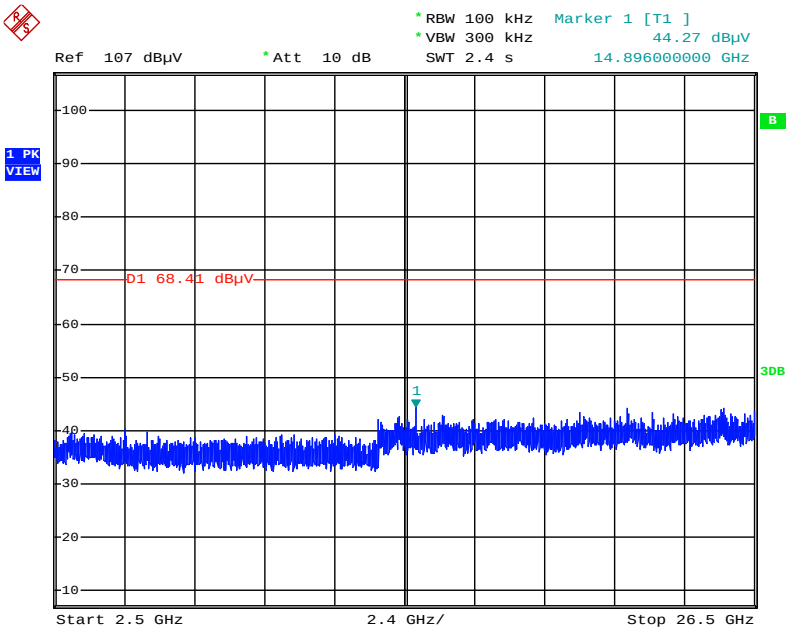
Date: 19.NOV.2015 00:10:38

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 11 / 30MHz~2400MHz (down 30dBc)



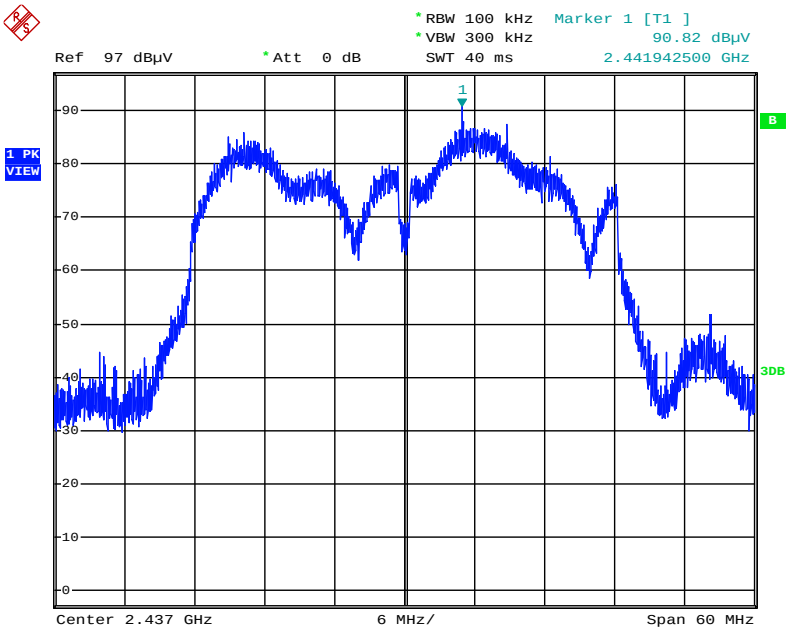
Date: 19.NOV.2015 00:11:39

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 11 / 2500MHz~26500MHz (down 30dBc)



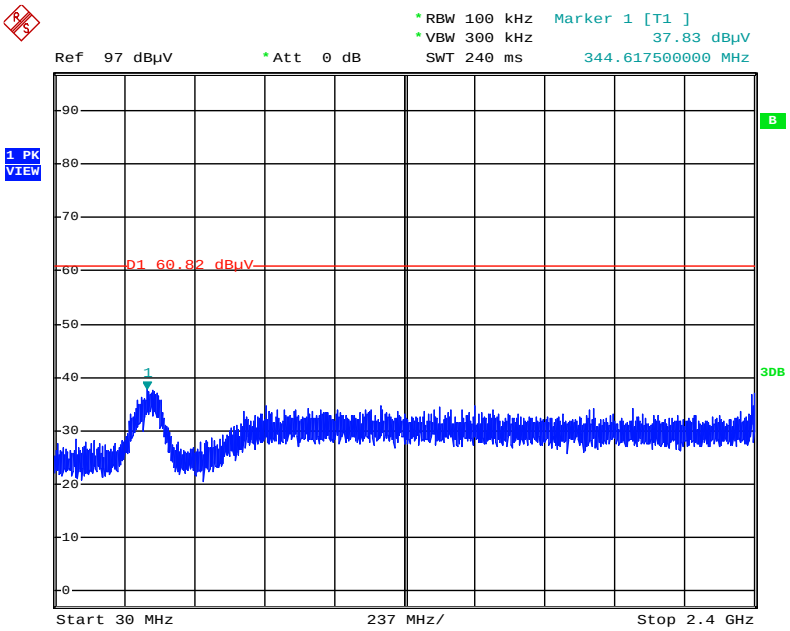
Date: 19.NOV.2015 00:11:18

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Reference Level



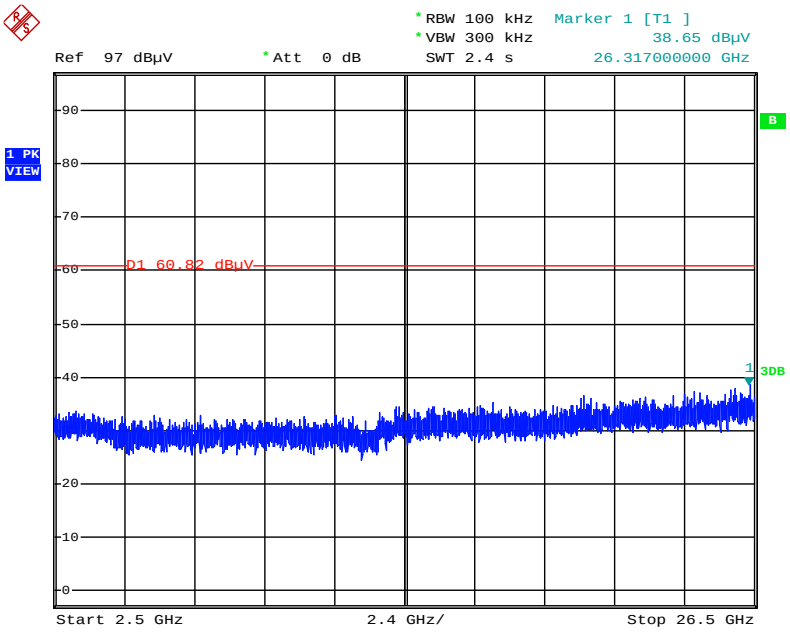
Date: 19.NOV.2015 00:16:31

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 3 / 30MHz~2400MHz (down 30dBc)



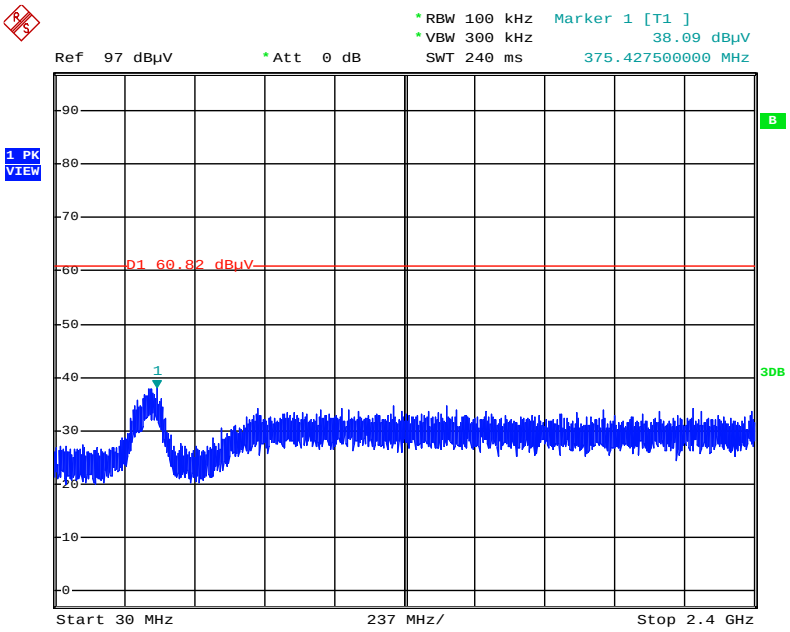
Date: 19.NOV.2015 00:17:21

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 3 / 2500MHz~26500MHz (down 30dBc)



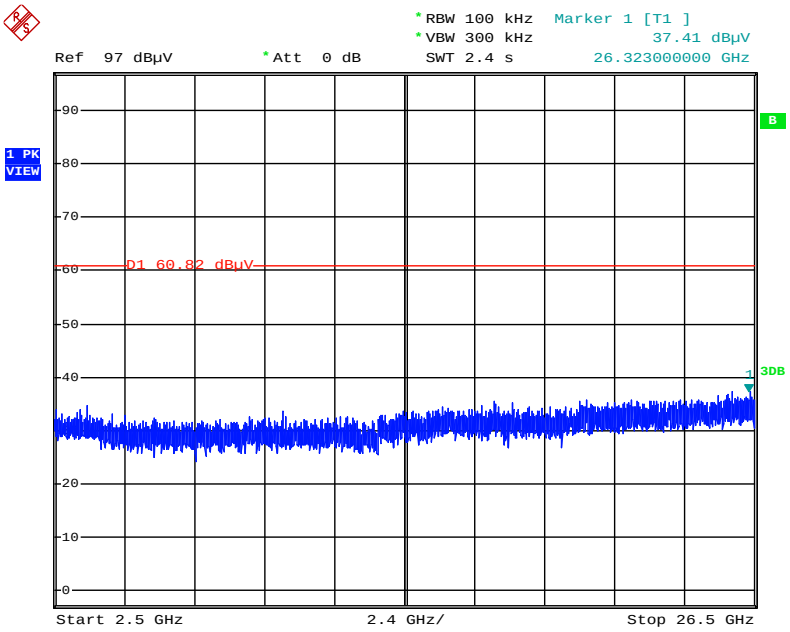
Date: 19.NOV.2015 00:17:46

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 9 / 30MHz~2400MHz (down 30dBc)



Date: 19.NOV.2015 00:18:29

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 9 / 2500MHz~26500MHz (down 30dBc)



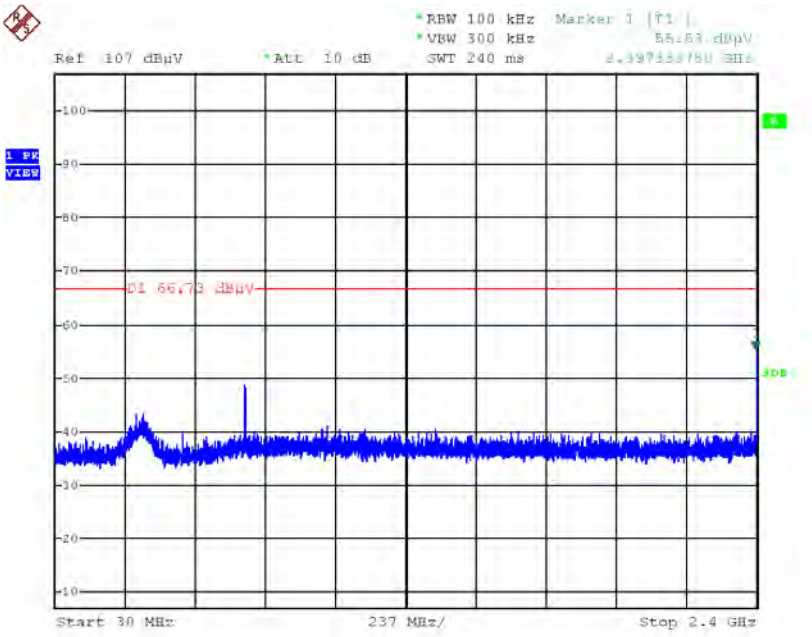
Date: 19.NOV.2015 00:18:12

Mode 4: EUT 1 + Set 5 Panel Antenna / 7 dBi

Plot on Configuration IEEE 802.11b / Reference Level

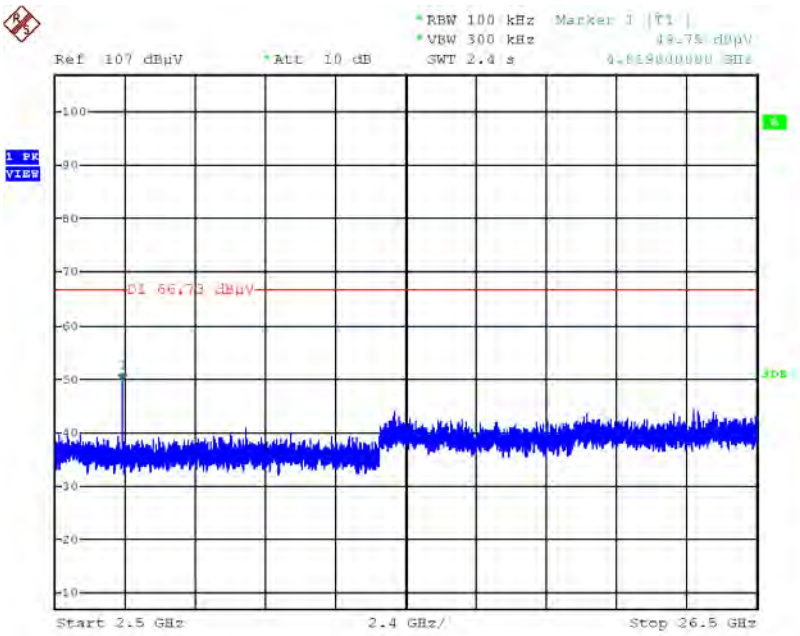
Date: 27.NOV.2015 15:37:46

Plot on Configuration IEEE 802.11b / CH 1 / 30MHz~2400MHz (down 30dBc)



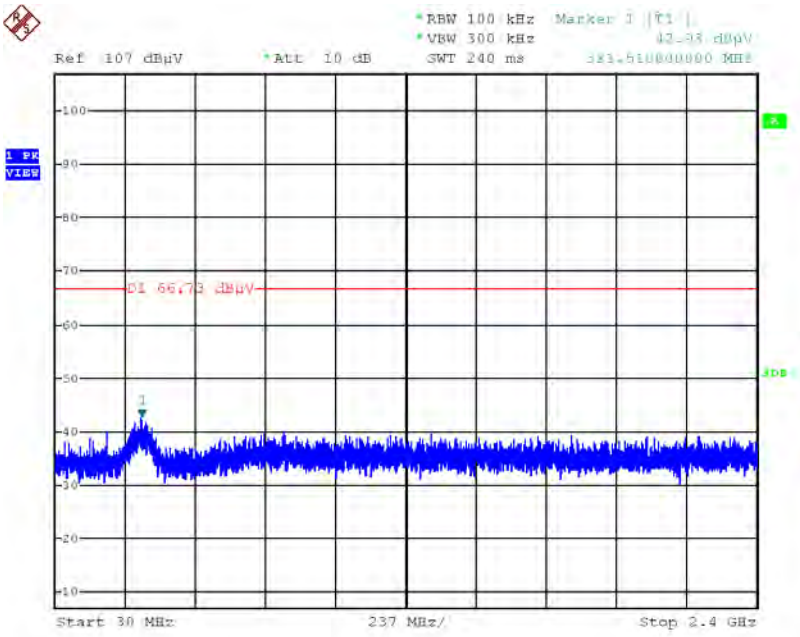
Date: 27.NOV.2015 15:40:22

Plot on Configuration IEEE 802.11b / CH 1 / 2500MHz~26500MHz (down 30dBc)



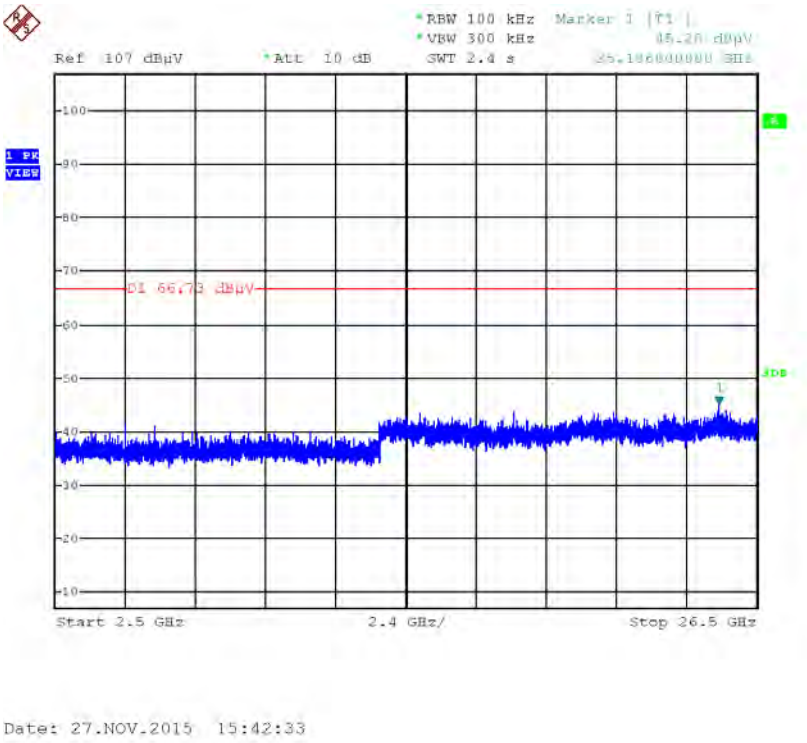
Date: 27.NOV.2015 15:40:46

Plot on Configuration IEEE 802.11b / CH 11 / 30MHz~2400MHz (down 30dBc)

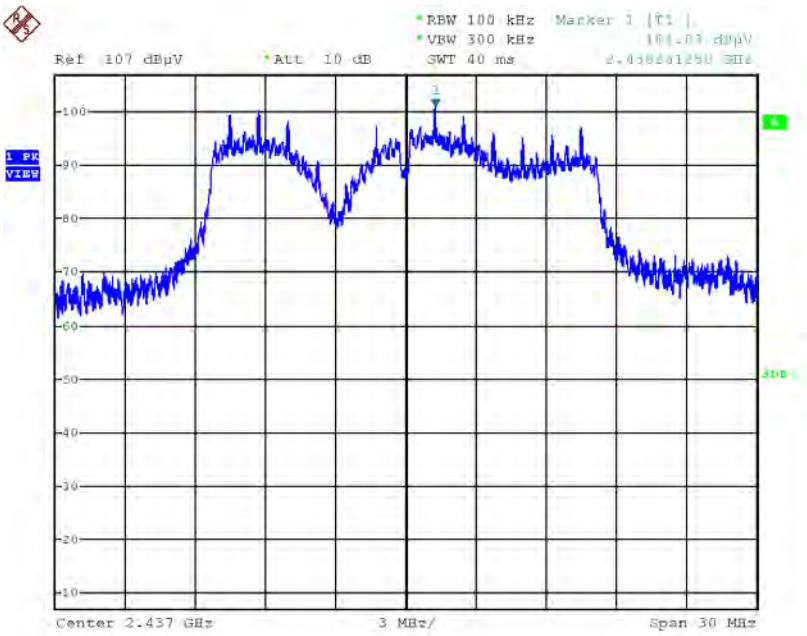


Date: 27.NOV.2015 15:41:51

Plot on Configuration IEEE 802.11b / CH 11 / 2500MHz~26500MHz (down 30dBc)

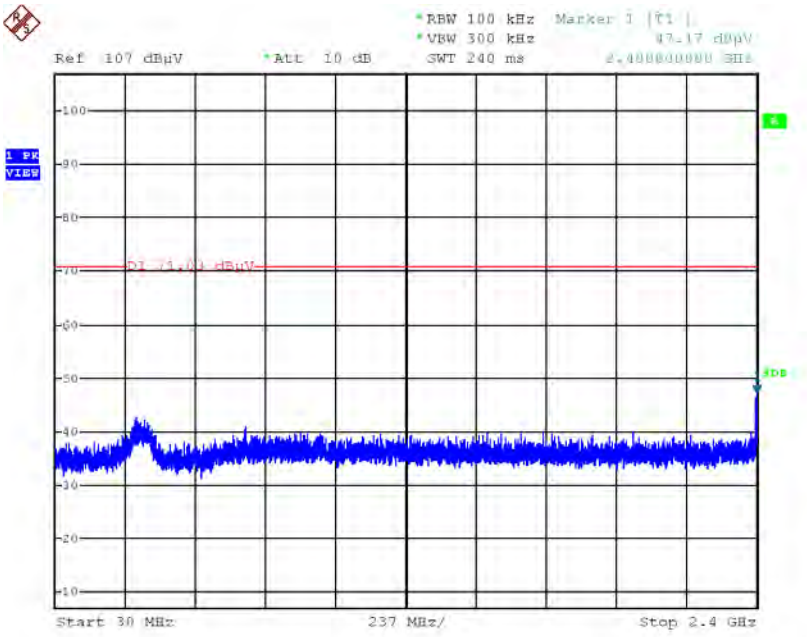


Plot on Configuration IEEE 802.11g / Reference Level



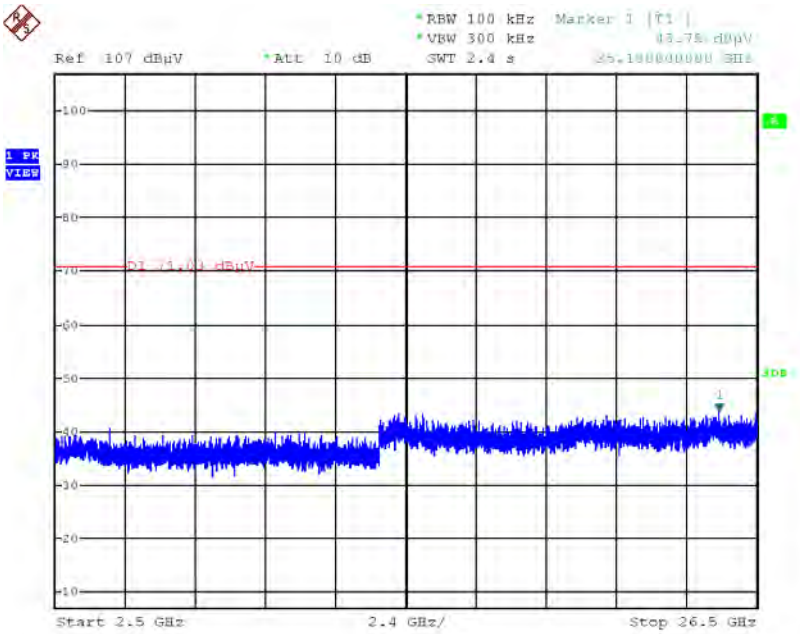
Date: 27.NOV.2015 15:44:05

Plot on Configuration IEEE 802.11g / CH 1 / 30MHz~2400MHz (down 30dBc)



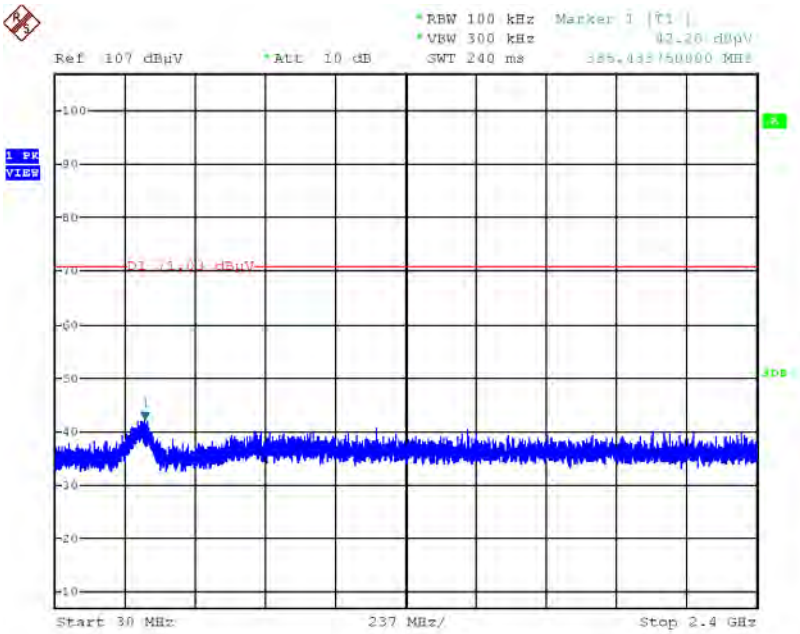
Date: 27.NOV.2015 15:45:11

Plot on Configuration IEEE 802.11g / CH 1 / 2500MHz~26500MHz (down 30dBc)



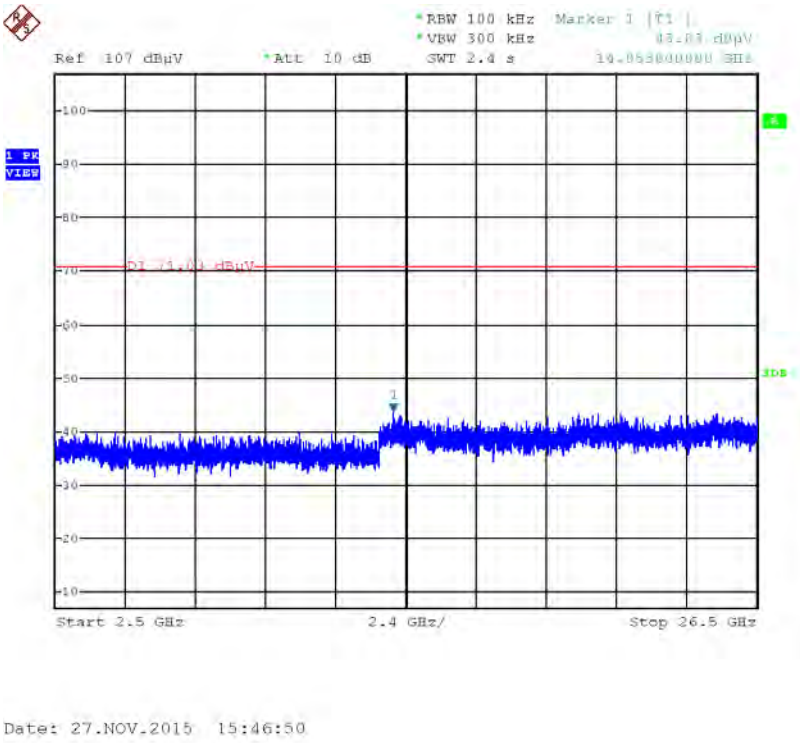
Date: 27.NOV.2015 15:45:35

Plot on Configuration IEEE 802.11g / CH 11 / 30MHz~2400MHz (down 30dBc)

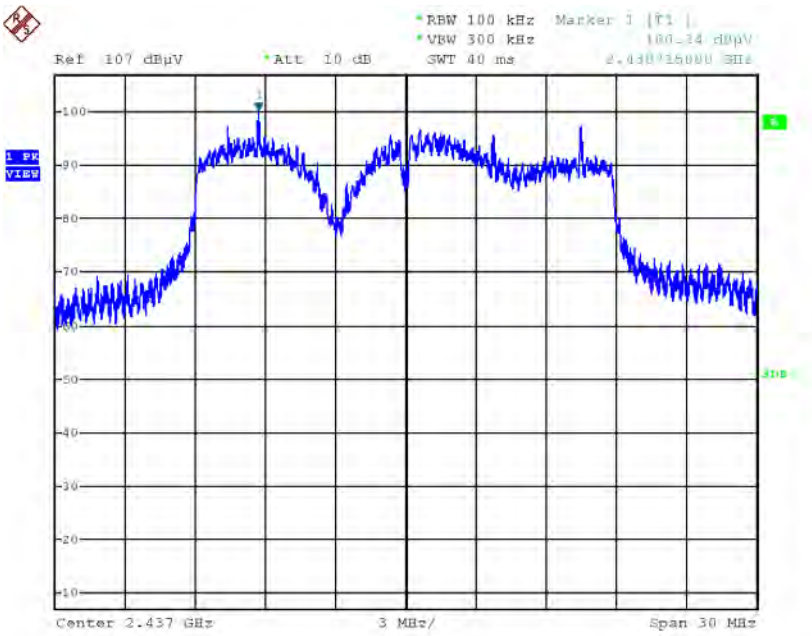


Date: 27.NOV.2015 15:46:26

Plot on Configuration IEEE 802.11g / CH 11 / 2500MHz~26500MHz (down 30dBc)

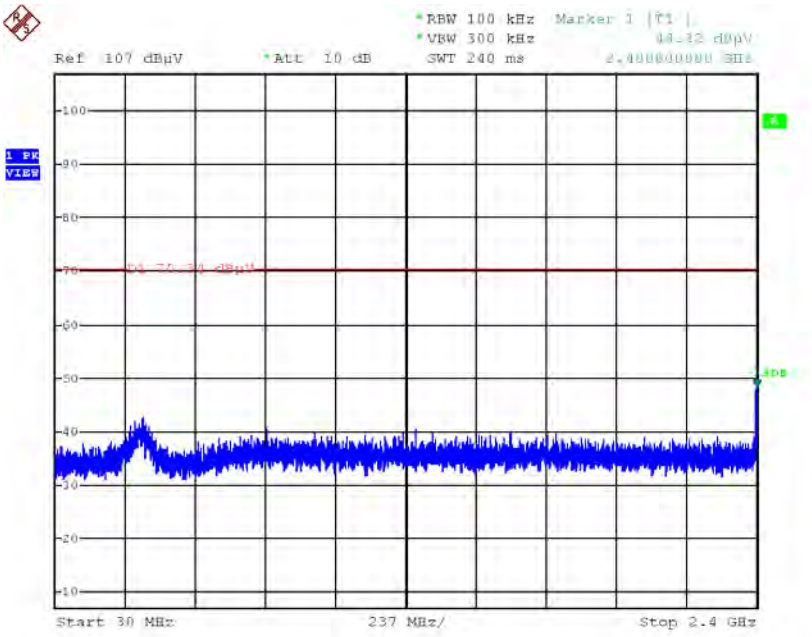


Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Reference Level



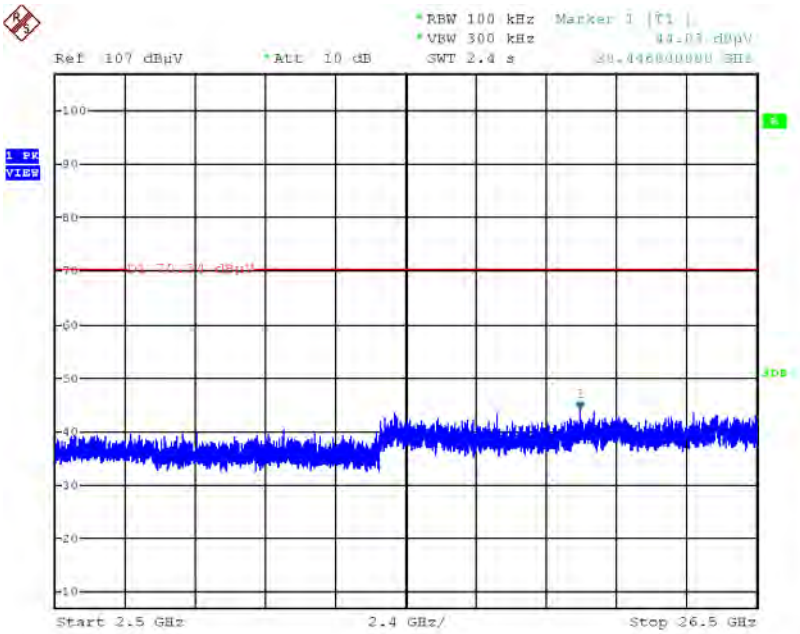
Date: 27.NOV.2015 15:47:45

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 1 / 30MHz~2400MHz (down 30dBc)



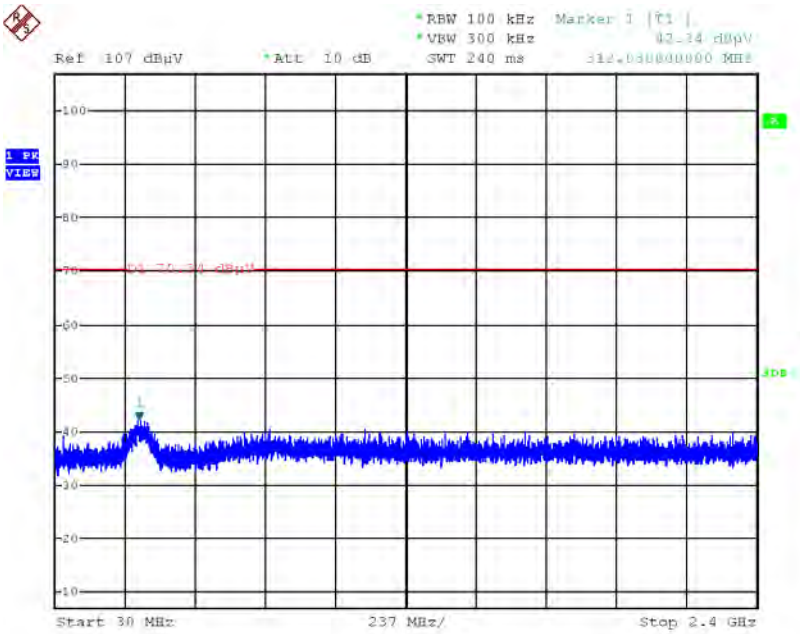
Date: 27.NOV.2015 15:48:34

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 1 / 2500MHz~26500MHz (down 30dBc)



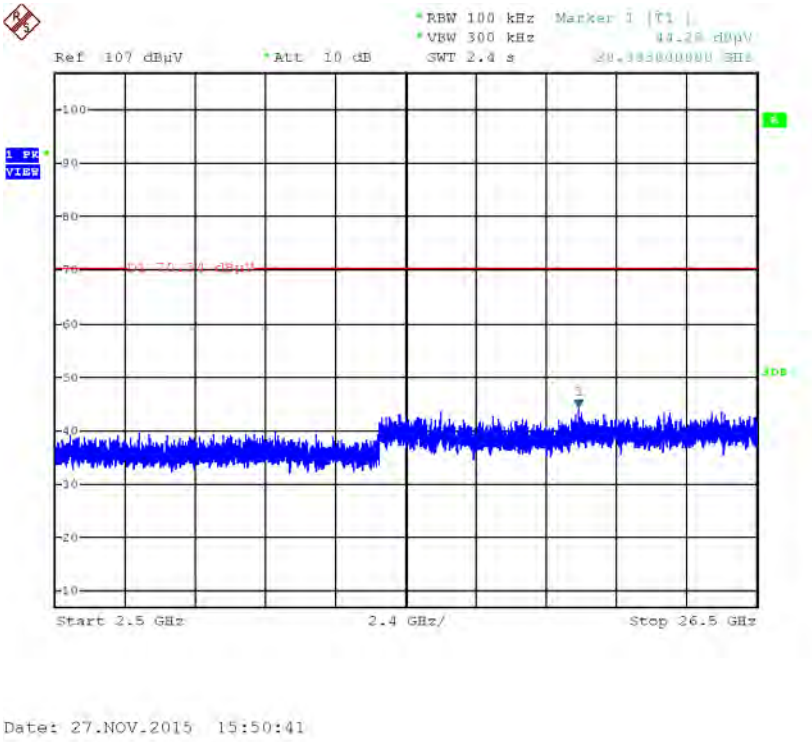
Date: 27.NOV.2015 15:48:57

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 11 / 30MHz~2400MHz (down 30dBc)



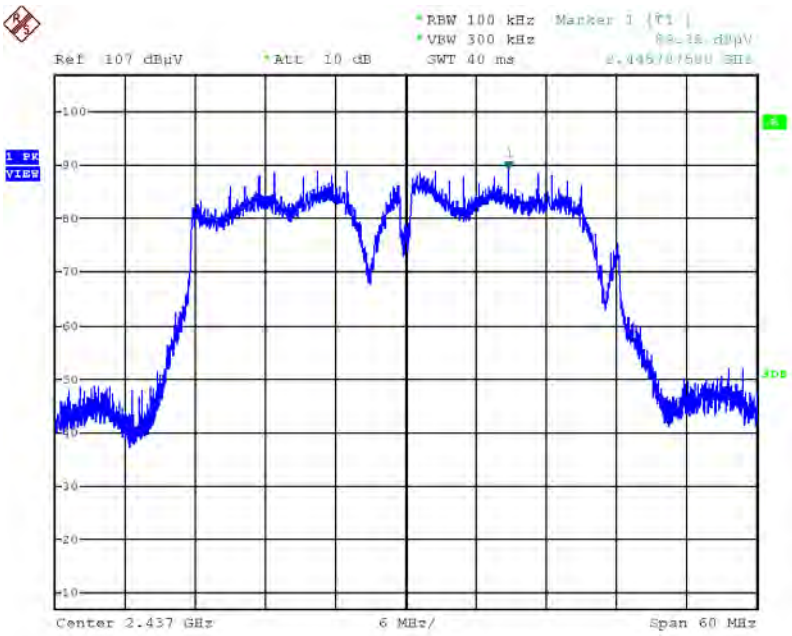
Date: 27.NOV.2015 15:49:40

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 11 / 2500MHz~26500MHz (down 30dBc)



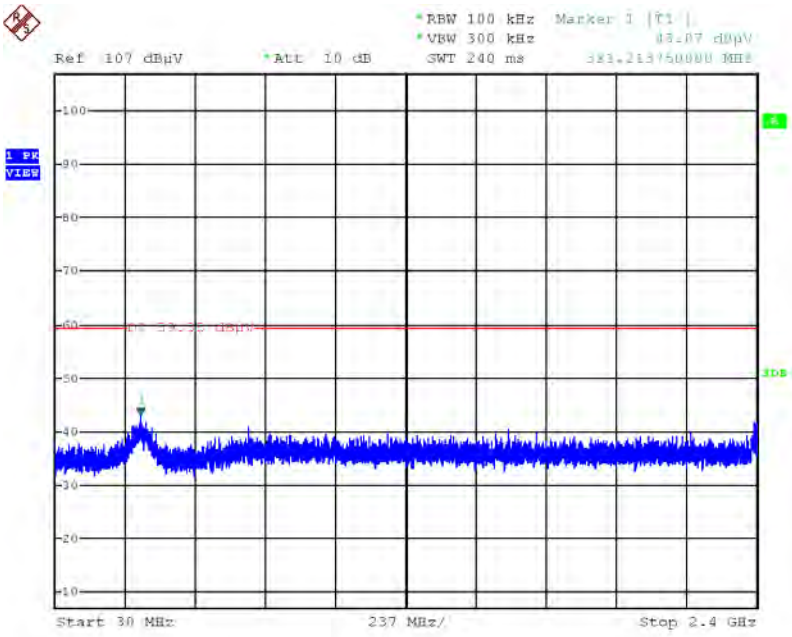
Date: 27.NOV.2015 15:50:41

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Reference Level



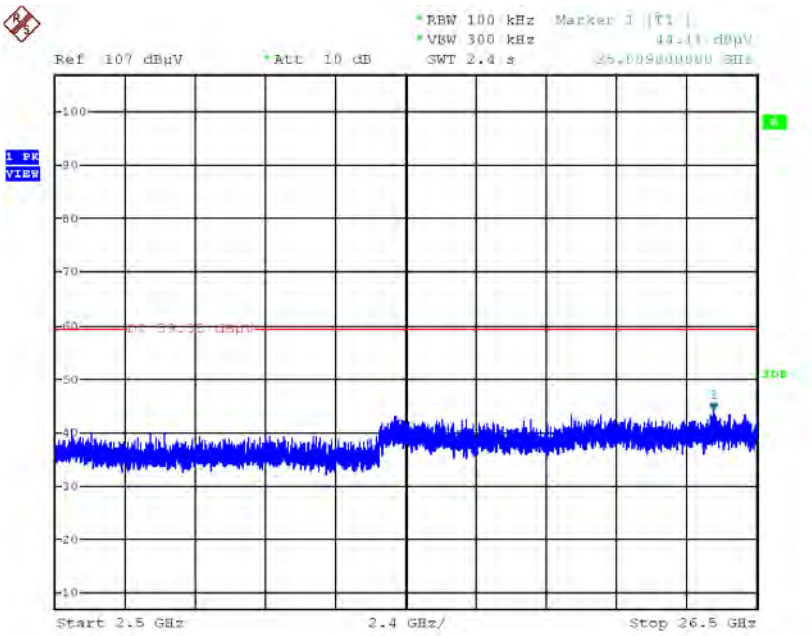
Date: 27.NOV.2015 15:51:42

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 3 / 30MHz~2400MHz (down 30dBc)



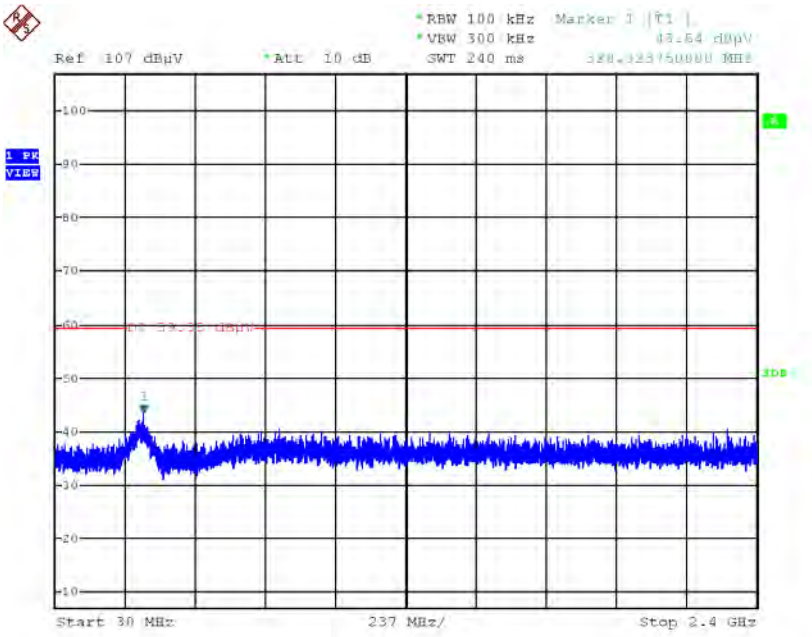
Date: 27.NOV.2015 15:52:34

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 3 / 2500MHz~26500MHz (down 30dBc)



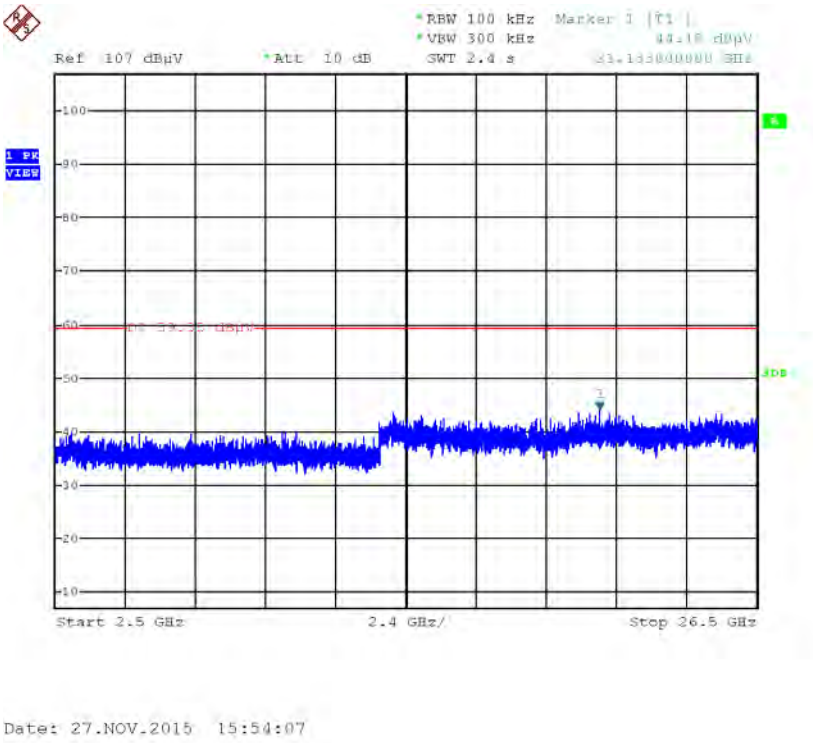
Date: 27.NOV.2015 15:53:03

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 9 / 30MHz~2400MHz (down 30dBc)



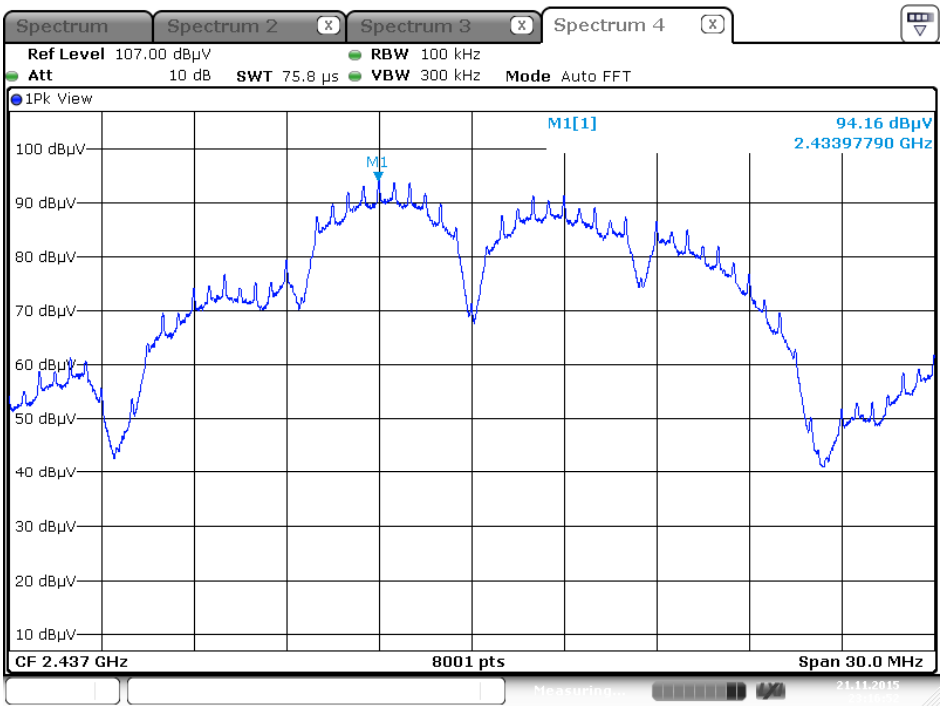
Date: 27.NOV.2015 15:53:43

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 9 / 2500MHz~26500MHz (down 30dBc)



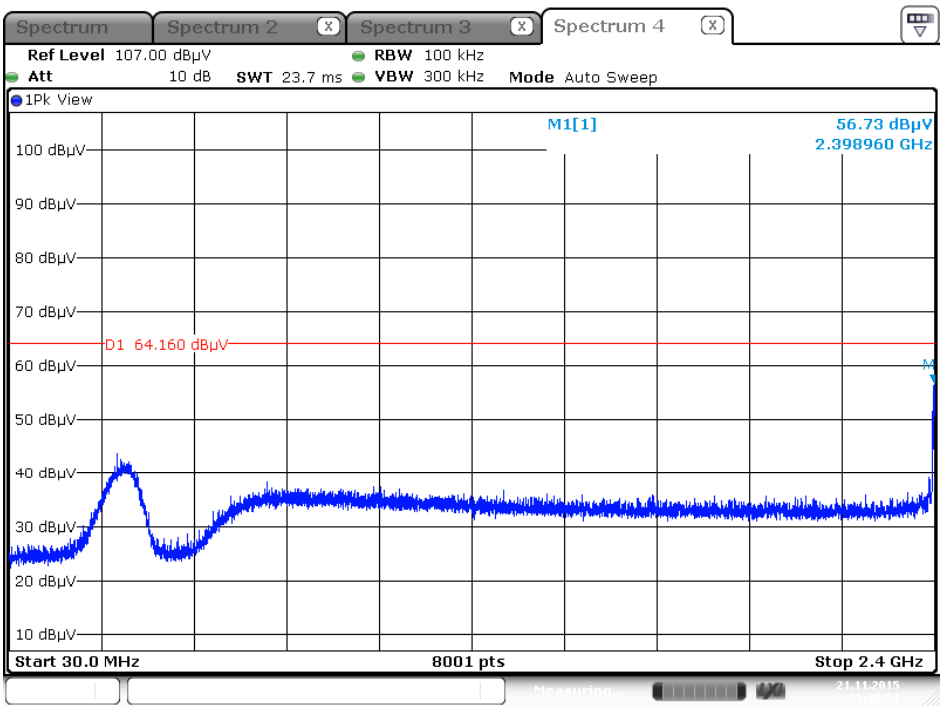
Mode 5: EUT 1 + Set 6 Sector Antenna / 5 dBi

Plot on Configuration IEEE 802.11b / Reference Level



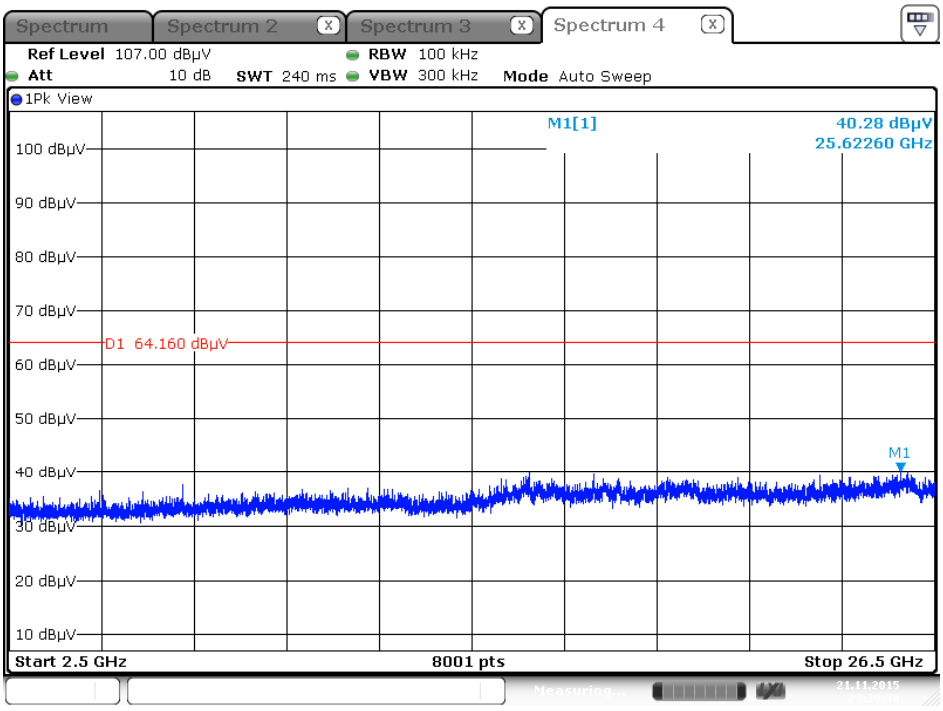
Date: 21.NOV.2015 23:16:52

Plot on Configuration IEEE 802.11b / CH 1 / 30MHz~2400MHz (down 30dBc)



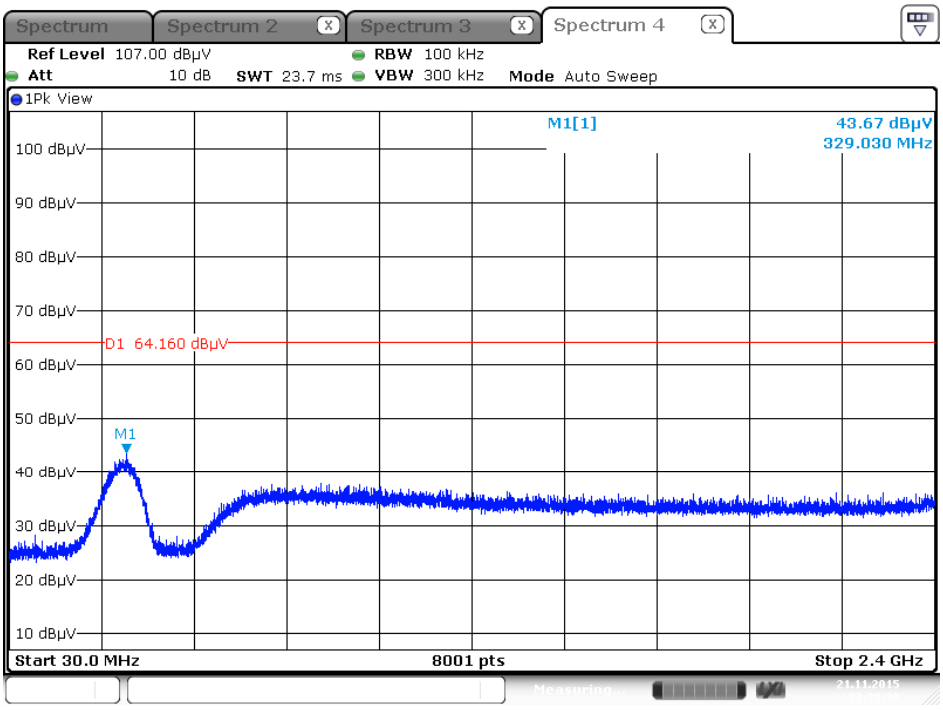
Date: 21.NOV.2015 23:30:52

Plot on Configuration IEEE 802.11b / CH 1 / 2500MHz~26500MHz (down 30dBc)



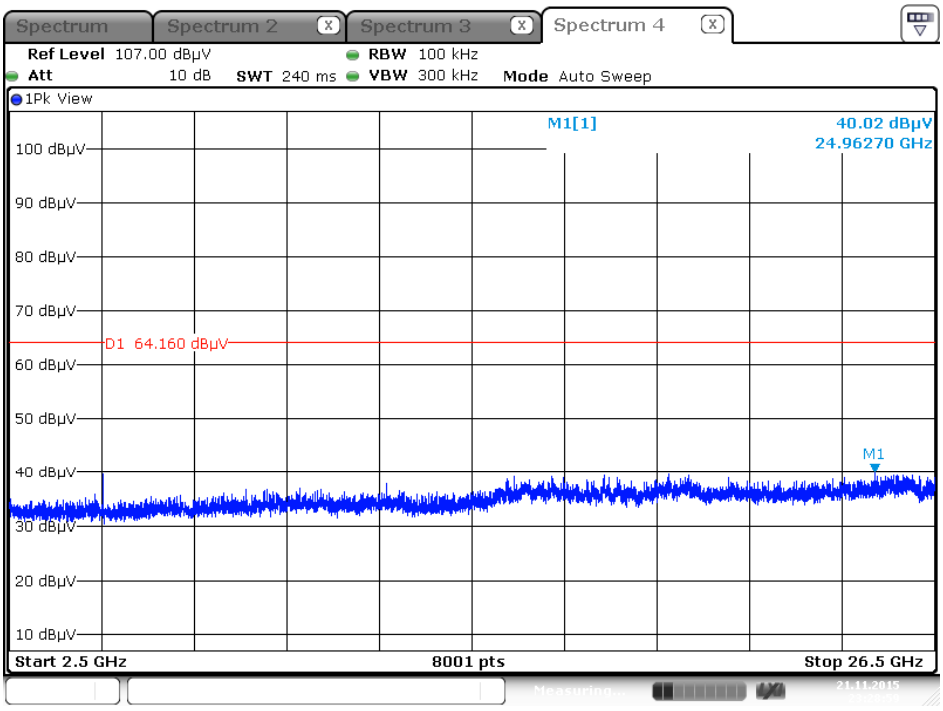
Date: 21.NOV.2015 23:29:51

Plot on Configuration IEEE 802.11b / CH 11 / 30MHz~2400MHz (down 30dBc)



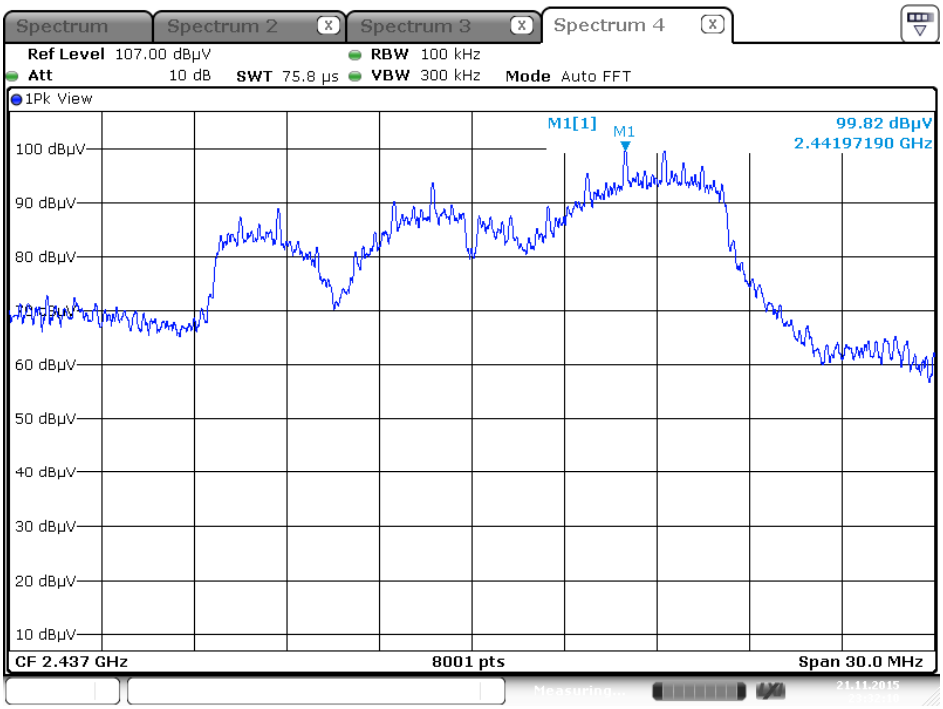
Date: 21.NOV.2015 23:28:30

Plot on Configuration IEEE 802.11b / CH 11 / 2500MHz~26500MHz (down 30dBc)



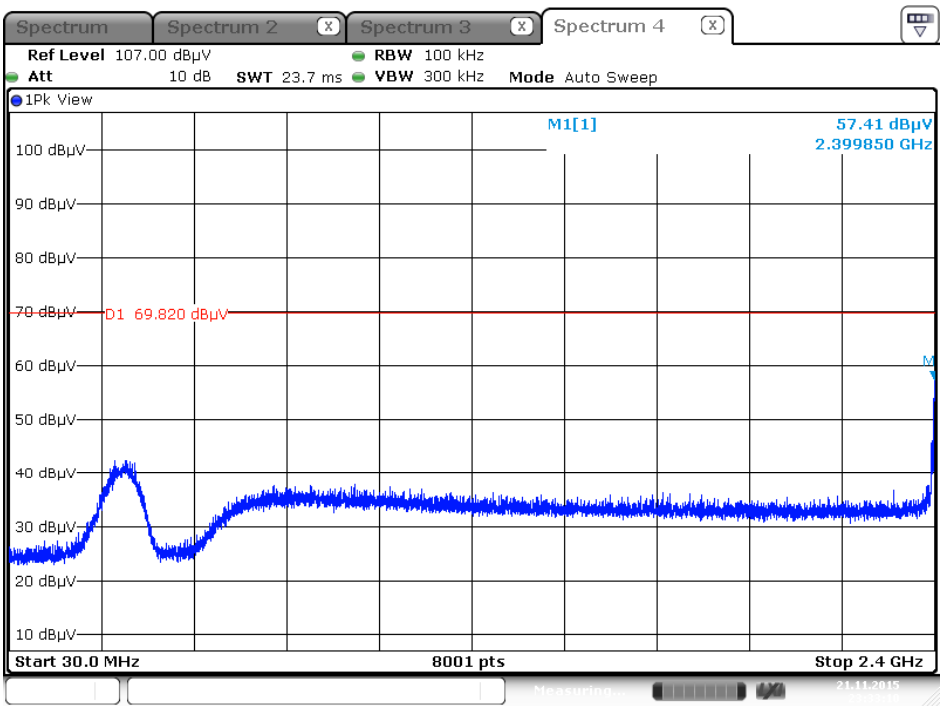
Date: 21.NOV.2015 23:28:59

Plot on Configuration IEEE 802.11g / Reference Level



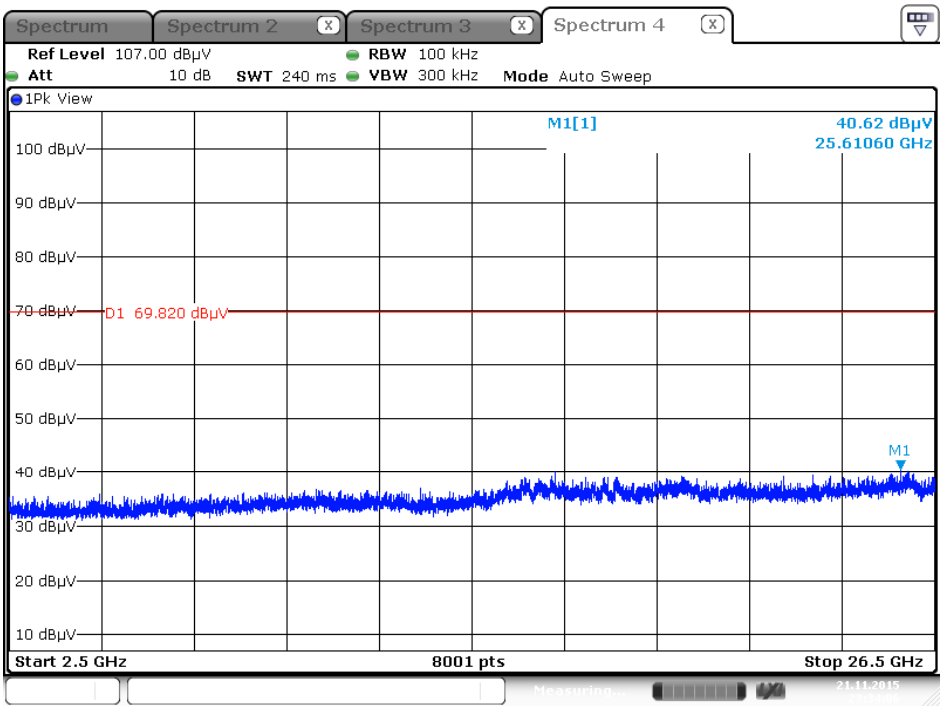
Date: 21.NOV.2015 23:32:11

Plot on Configuration IEEE 802.11g / CH 1 / 30MHz~2400MHz (down 30dBc)



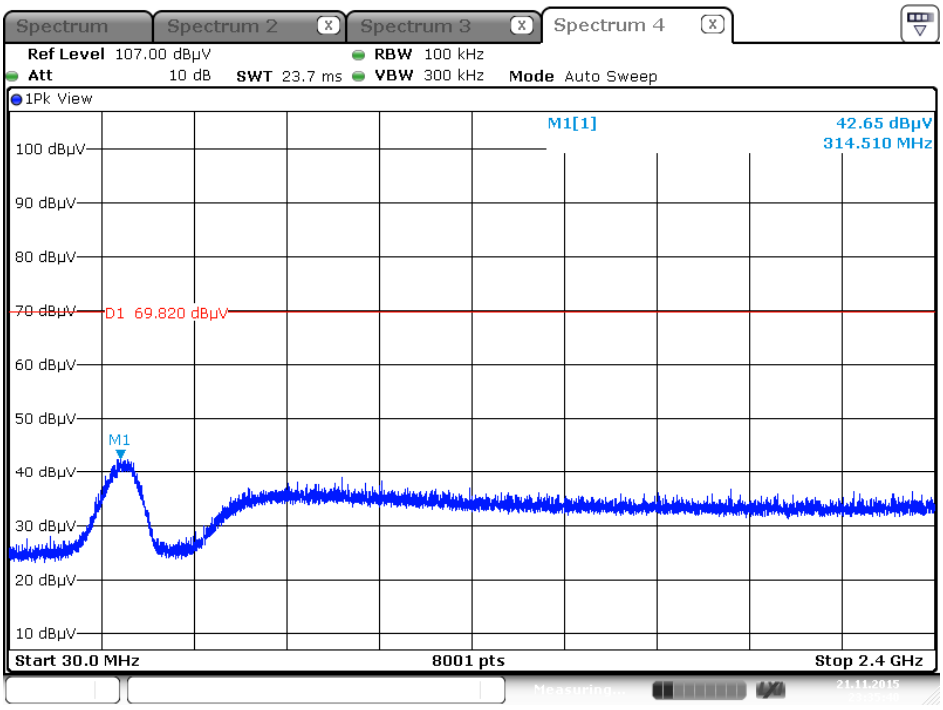
Date: 21.NOV.2015 23:33:10

Plot on Configuration IEEE 802.11g / CH 1 / 2500MHz~26500MHz (down 30dBc)



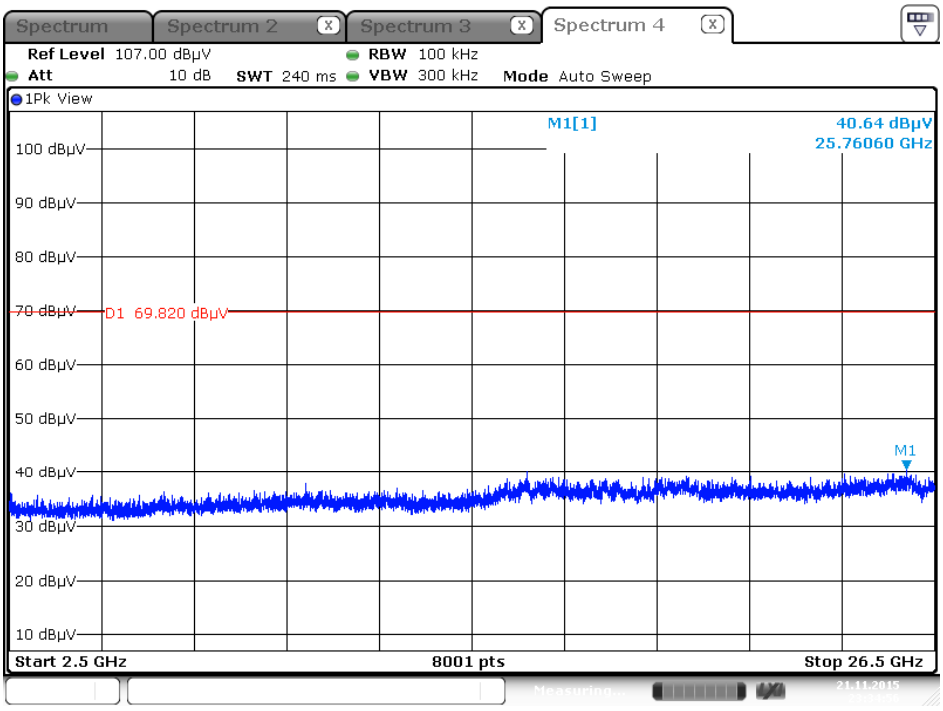
Date: 21.NOV.2015 23:34:06

Plot on Configuration IEEE 802.11g / CH 11 / 30MHz~2400MHz (down 30dBc)



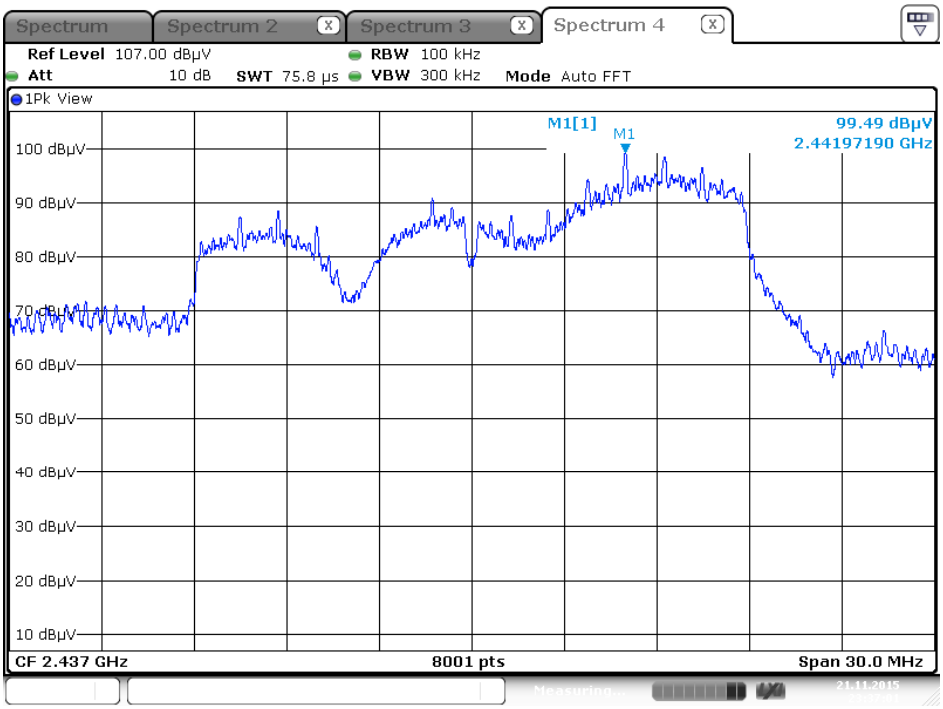
Date: 21.NOV.2015 23:35:41

Plot on Configuration IEEE 802.11g / CH 11 / 2500MHz~26500MHz (down 30dBc)



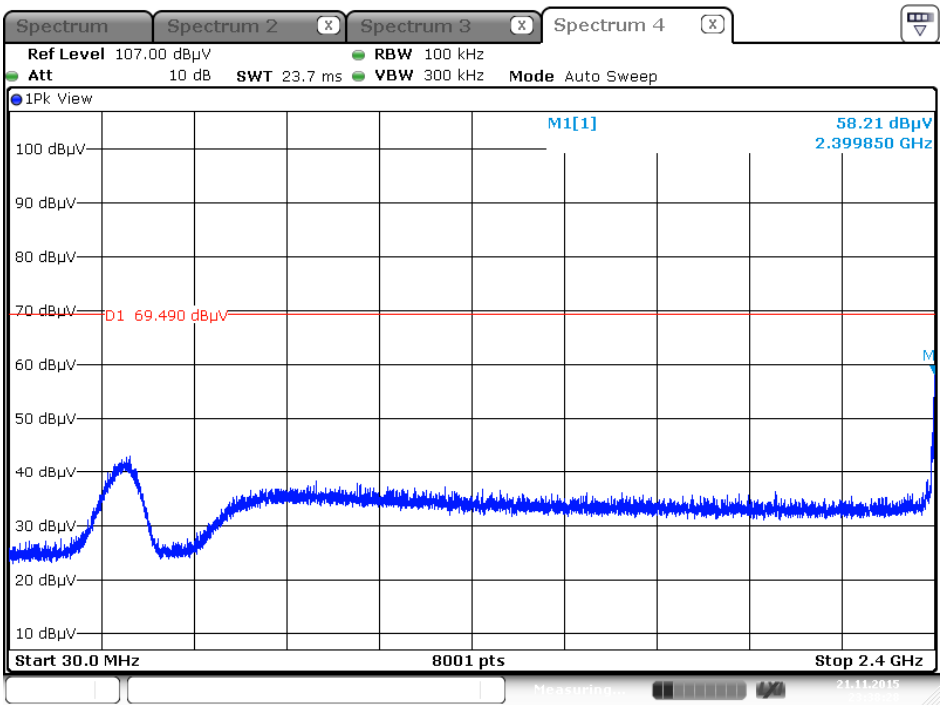
Date: 21.NOV.2015 23:34:55

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Reference Level



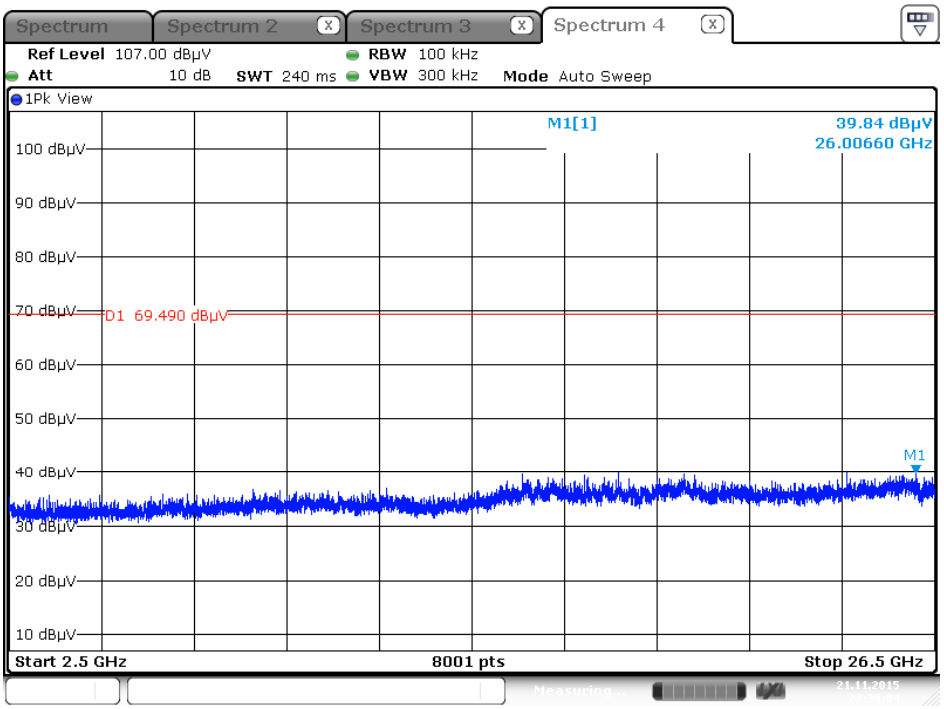
Date: 21.NOV.2015 23:37:01

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 1 / 30MHz~2400MHz (down 30dBc)



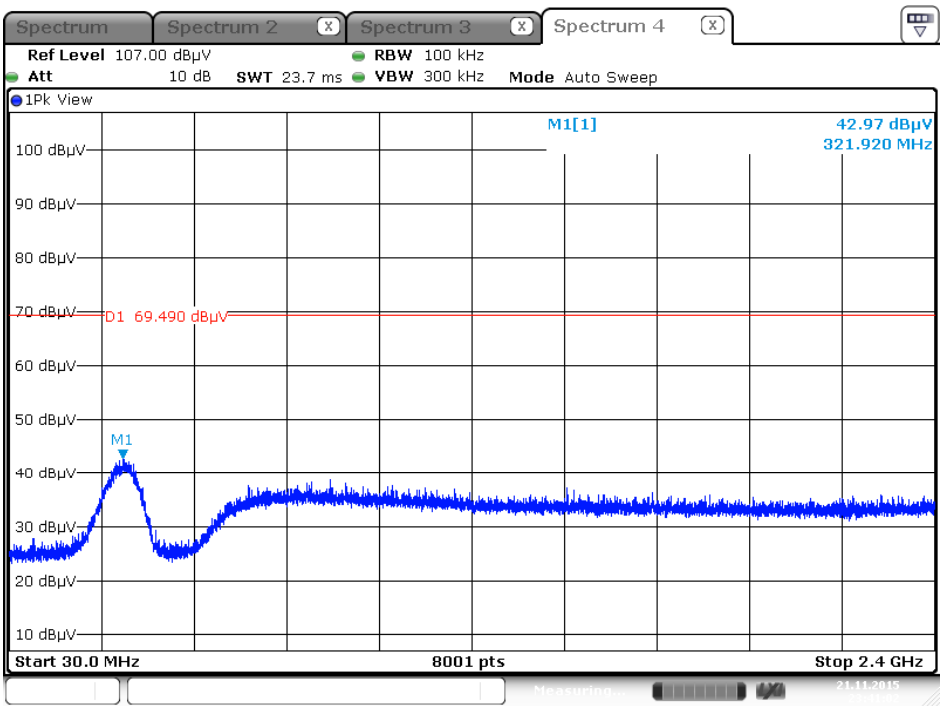
Date: 21.NOV.2015 23:38:28

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 1 / 2500MHz~26500MHz (down 30dBc)



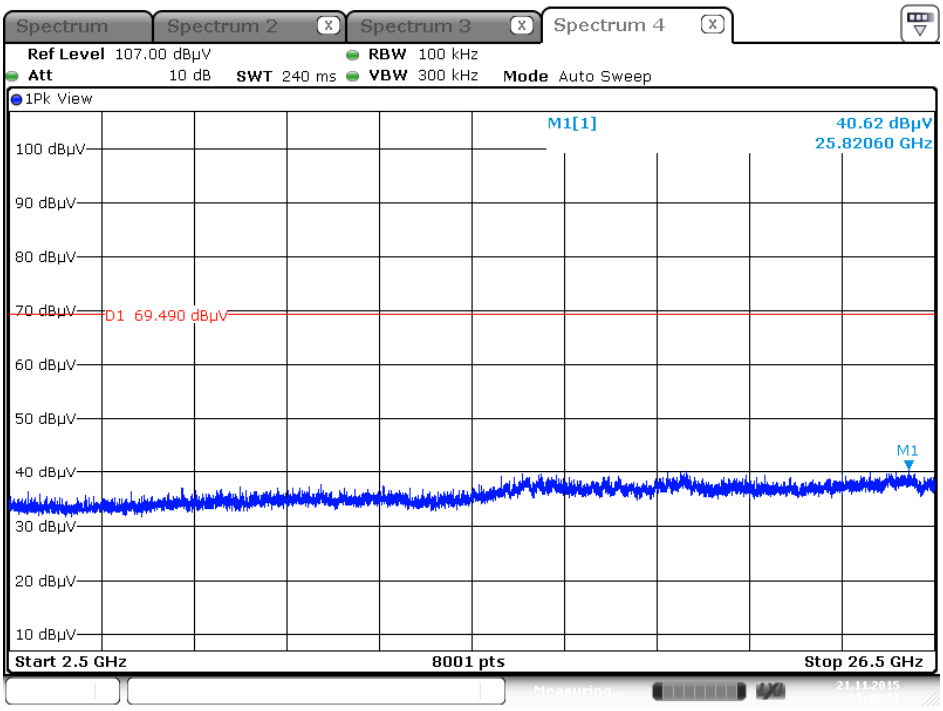
Date: 21.NOV.2015 23:39:04

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 11 / 30MHz~2400MHz (down 30dBc)



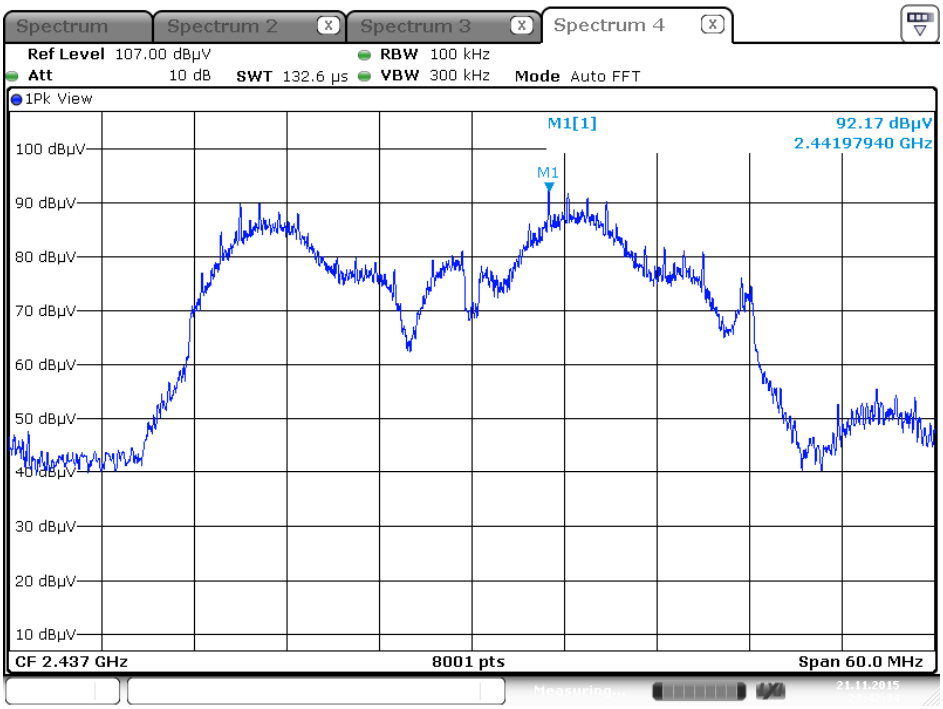
Date: 21.NOV.2015 23:41:02

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 11 / 2500MHz~26500MHz (down 30dBc)



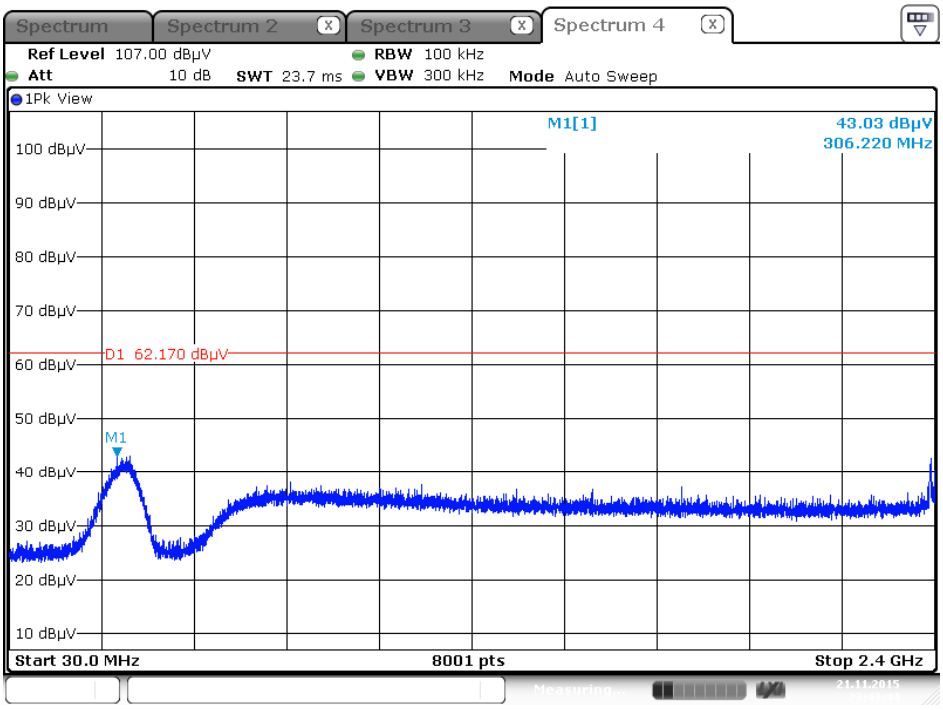
Date: 21.NOV.2015 23:40:21

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Reference Level



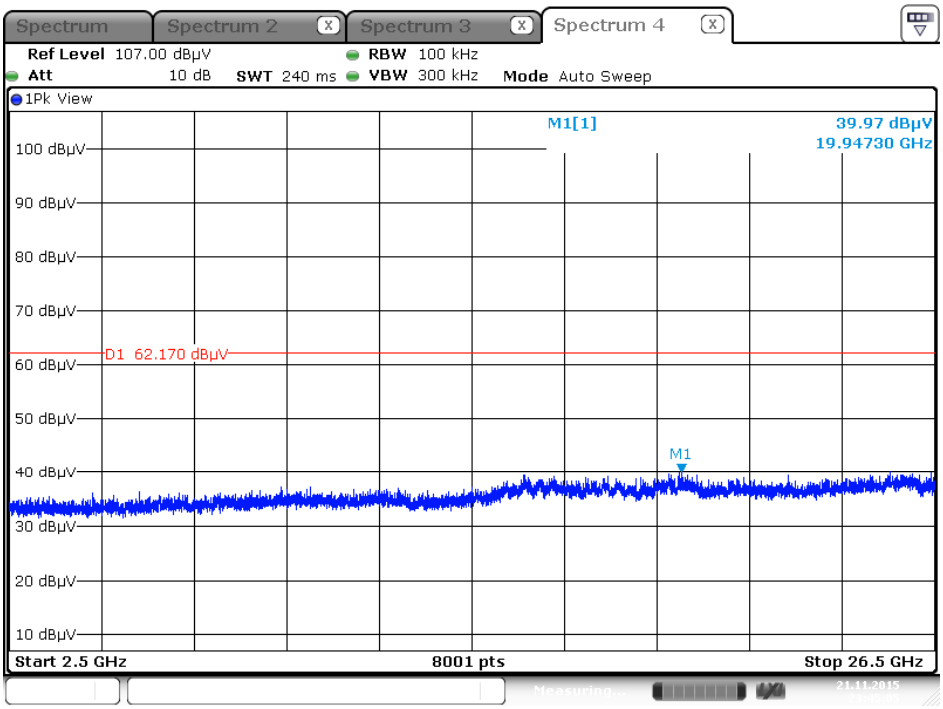
Date: 21.NOV.2015 23:42:34

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 3 / 30MHz~2400MHz (down 30dBc)



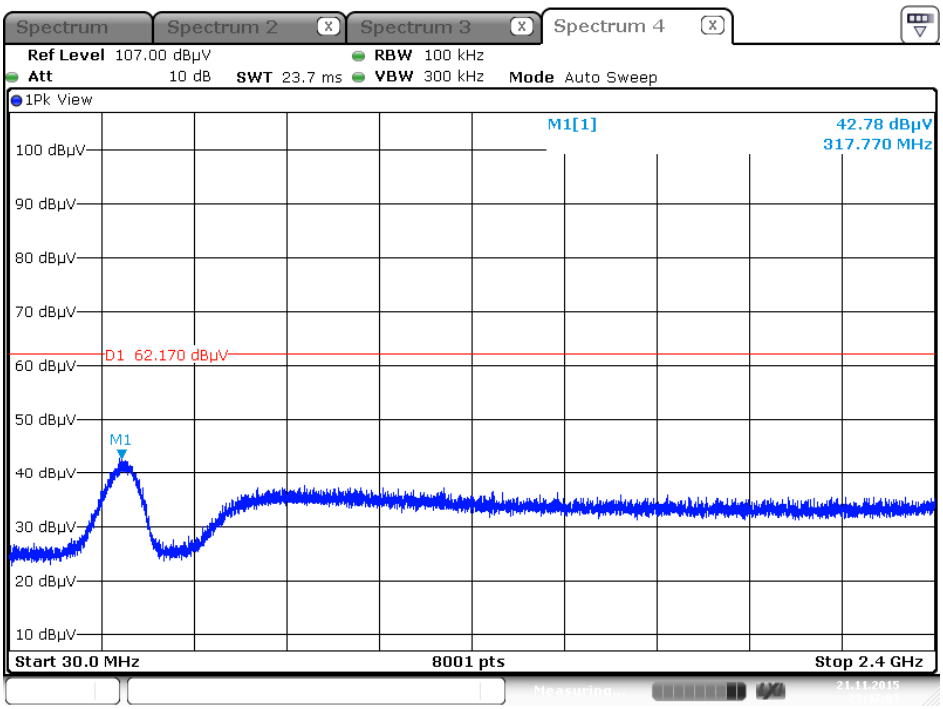
Date: 21.NOV.2015 23:43:44

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 3 / 2500MHz~26500MHz (down 30dBc)



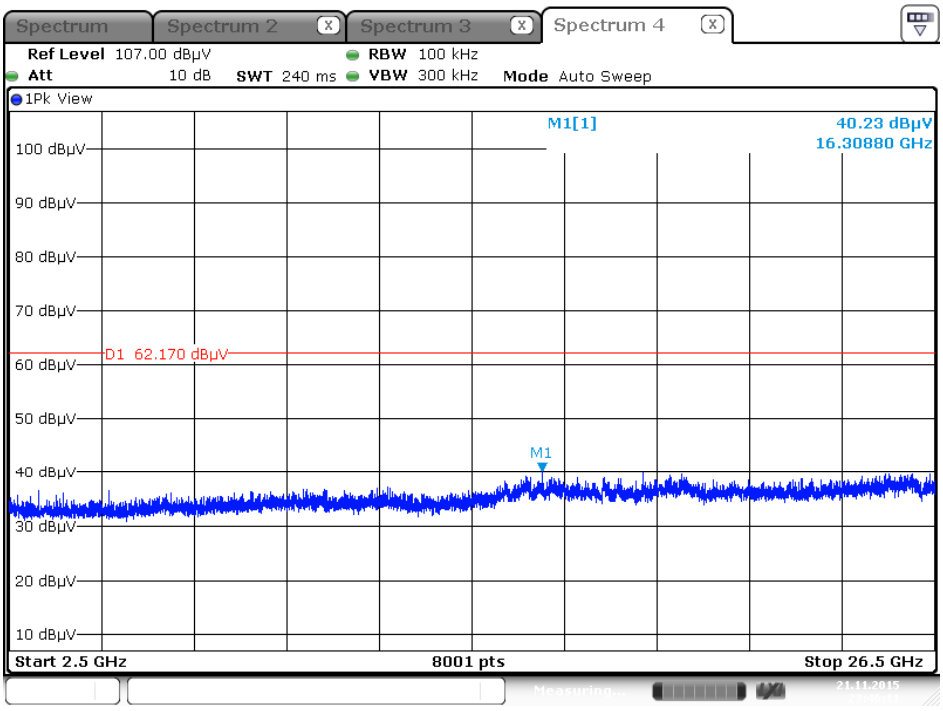
Date: 21.NOV.2015 23:45:05

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 9 / 30MHz~2400MHz (down 30dBc)



Date: 21.NOV.2015 23:47:03

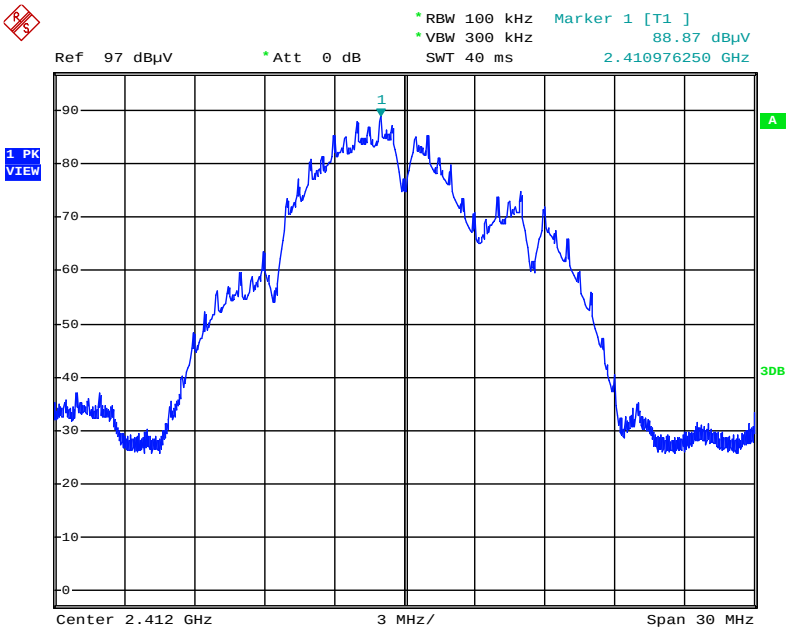
Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 9 / 2500MHz~26500MHz (down 30dBc)



Date: 21.NOV.2015 23:46:11

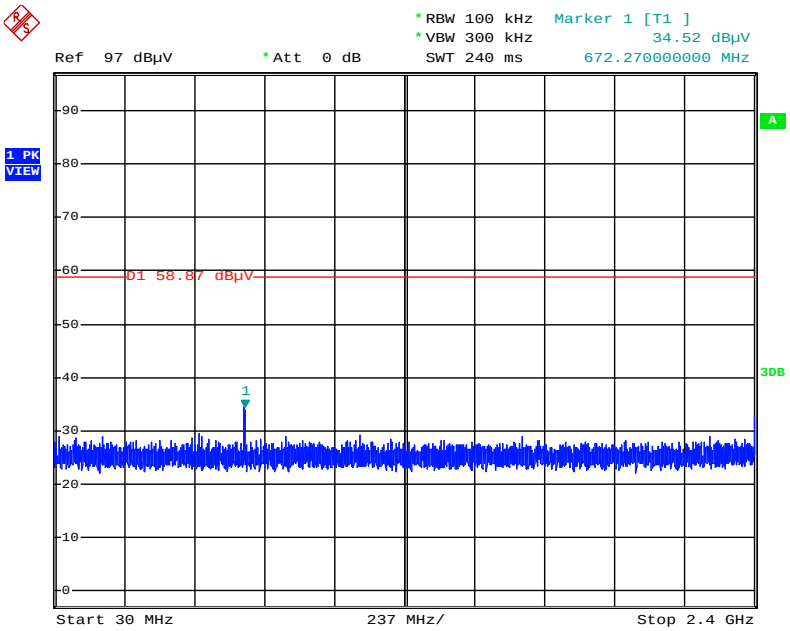
Mode 6: EUT 1 + Set 8 Sector Antenna / 13 dBi

Plot on Configuration IEEE 802.11b / Reference Level



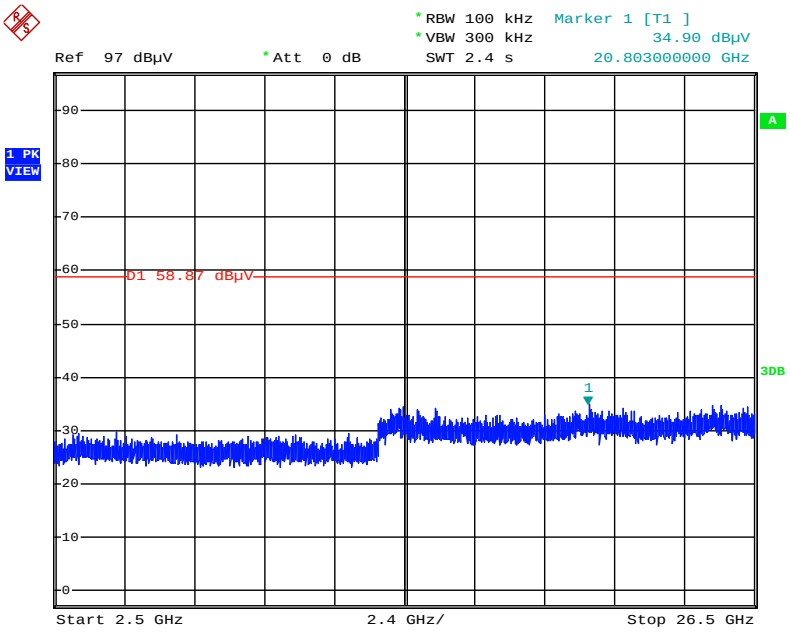
Date: 11.NOV.2015 01:34:02

Plot on Configuration IEEE 802.11b / CH 1 / 30MHz~2400MHz (down 30dBc)



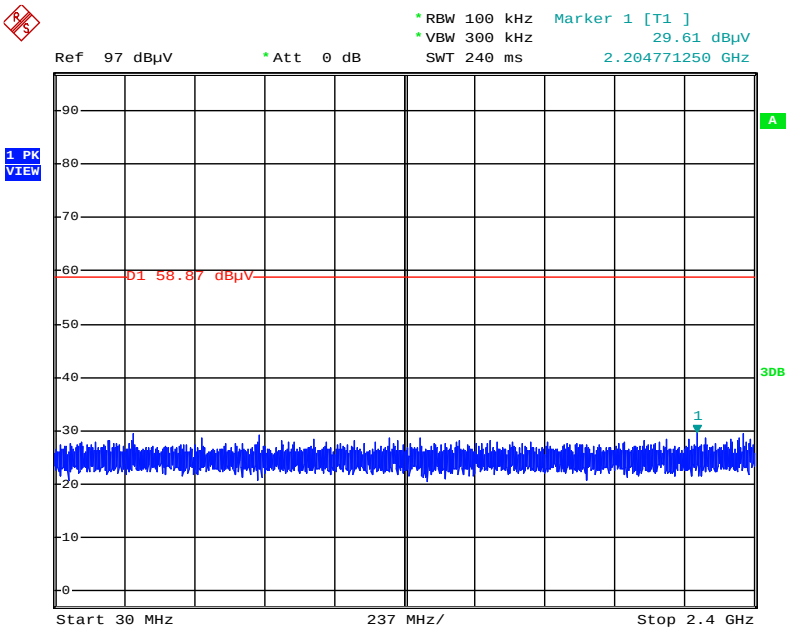
Date: 11.NOV.2015 01:35:02

Plot on Configuration IEEE 802.11b / CH 1 / 2500MHz~26500MHz (down 30dBc)



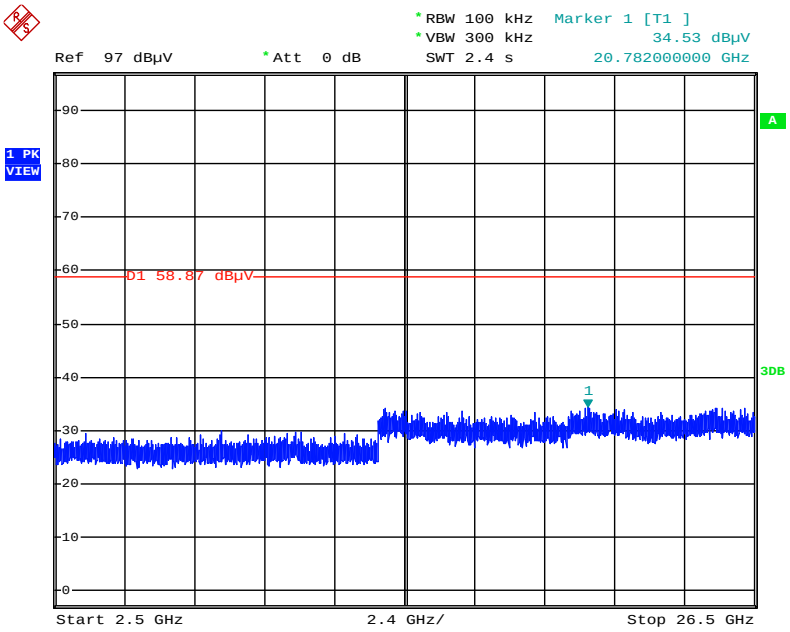
Date: 11.NOV.2015 01:35:34

Plot on Configuration IEEE 802.11b / CH 11 / 30MHz~2400MHz (down 30dBc)



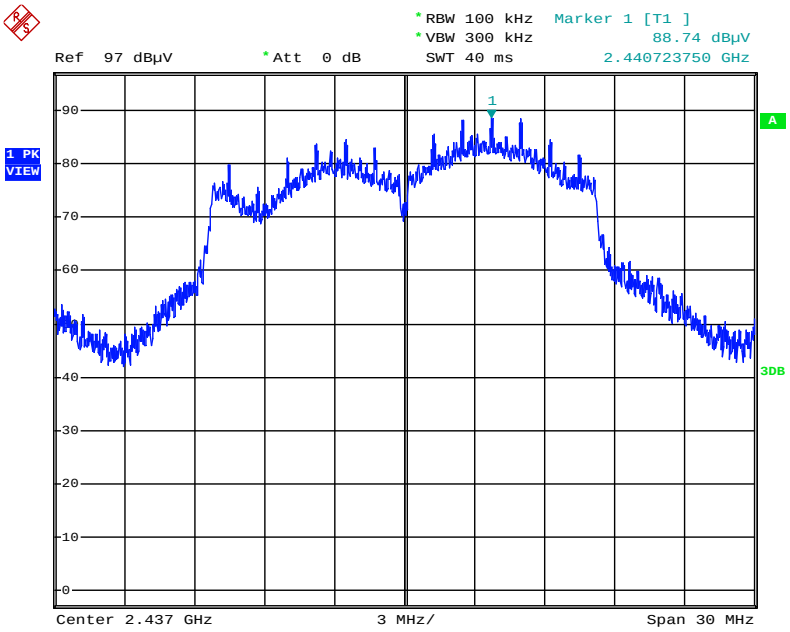
Date: 11.NOV.2015 01:36:22

Plot on Configuration IEEE 802.11b / CH 11 / 2500MHz~26500MHz (down 30dBc)



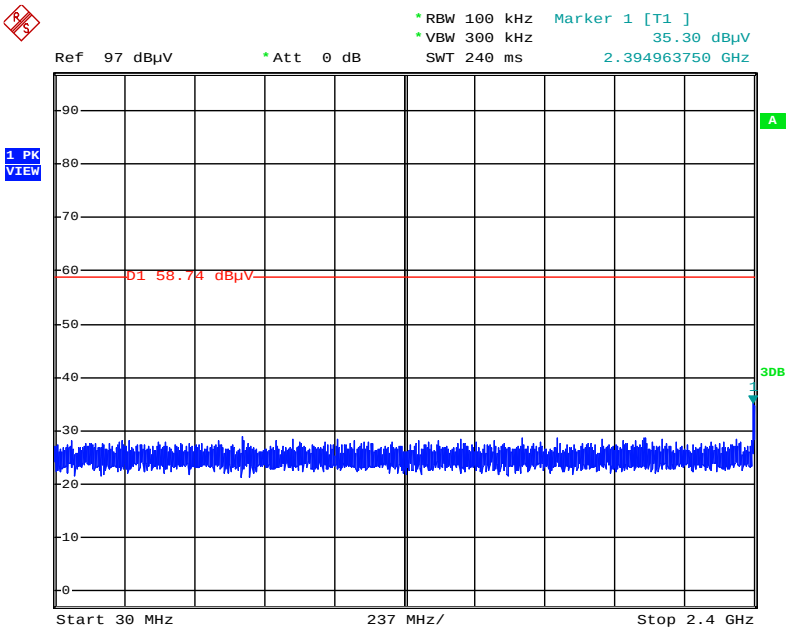
Date: 11.NOV.2015 01:36:47

Plot on Configuration IEEE 802.11g / Reference Level



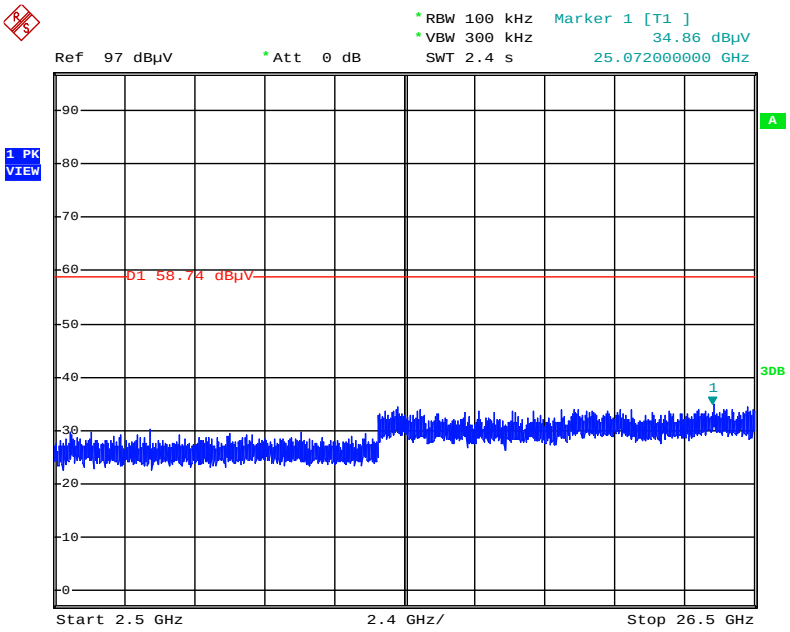
Date: 11.NOV.2015 01:38:49

Plot on Configuration IEEE 802.11g / CH 1 / 30MHz~2400MHz (down 30dBc)



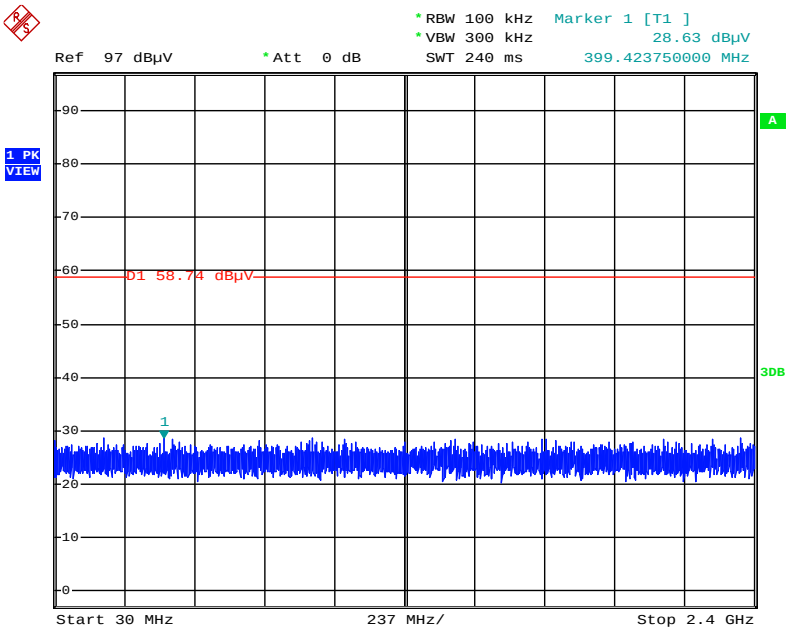
Date: 11.NOV.2015 01:39:55

Plot on Configuration IEEE 802.11g / CH 1 / 2500MHz~26500MHz (down 30dBc)



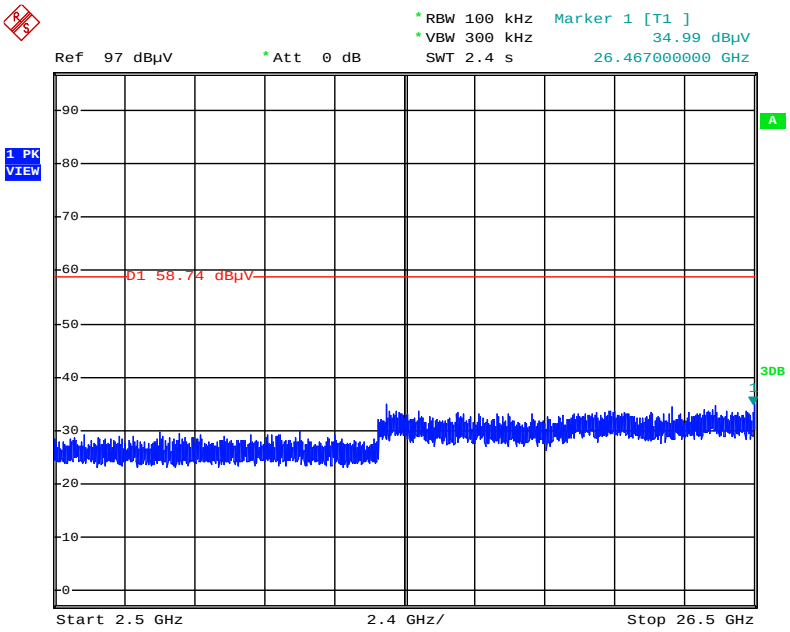
Date: 11.NOV.2015 01:40:24

Plot on Configuration IEEE 802.11g / CH 11 / 30MHz~2400MHz (down 30dBc)



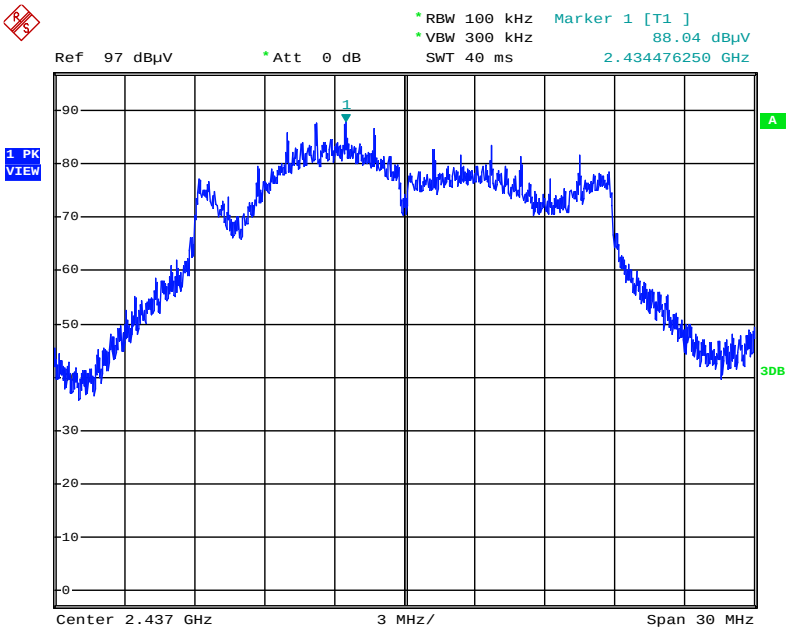
Date: 11.NOV.2015 01:41:07

Plot on Configuration IEEE 802.11g / CH 11 / 2500MHz~26500MHz (down 30dBc)



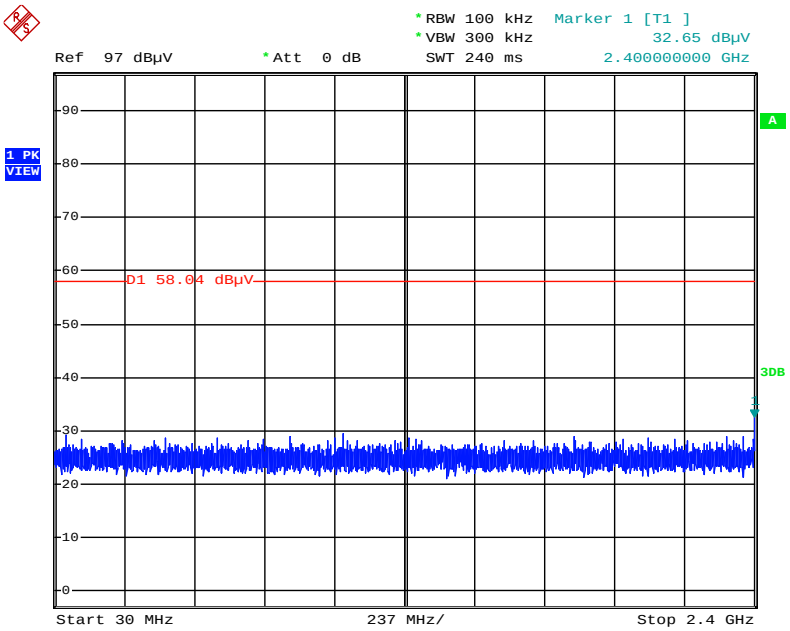
Date: 11.NOV.2015 01:41:31

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Reference Level



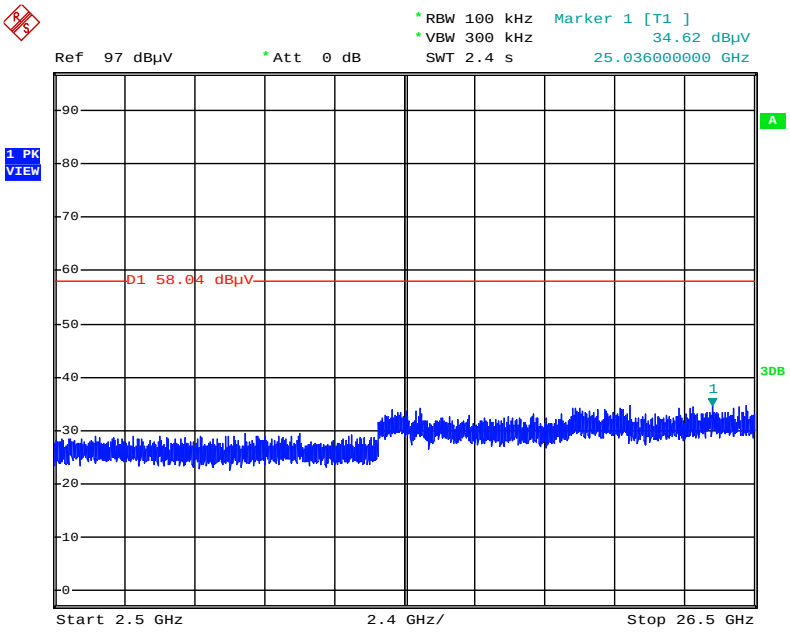
Date: 11.NOV.2015 01:43:10

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 1 / 30MHz~2400MHz (down 30dBc)



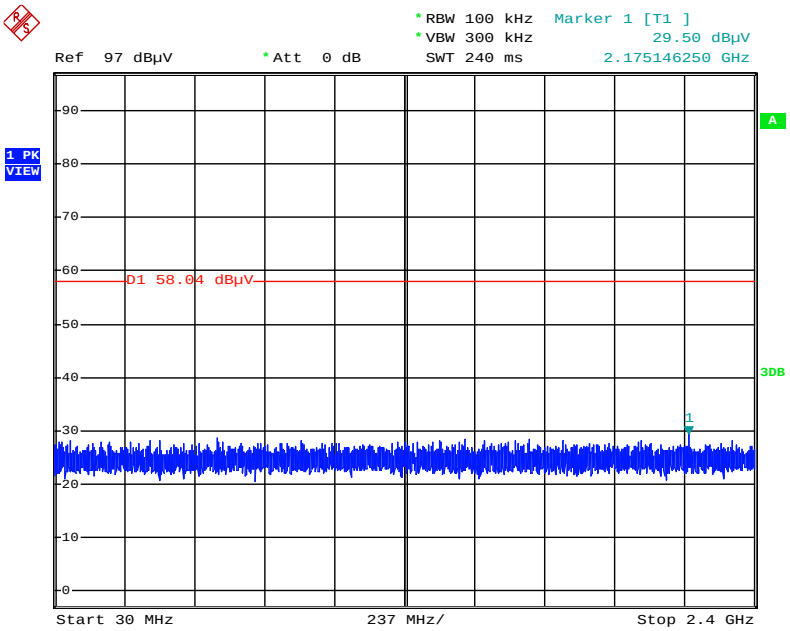
Date: 11.NOV.2015 01:44:11

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 1 / 2500MHz~26500MHz (down 30dBc)



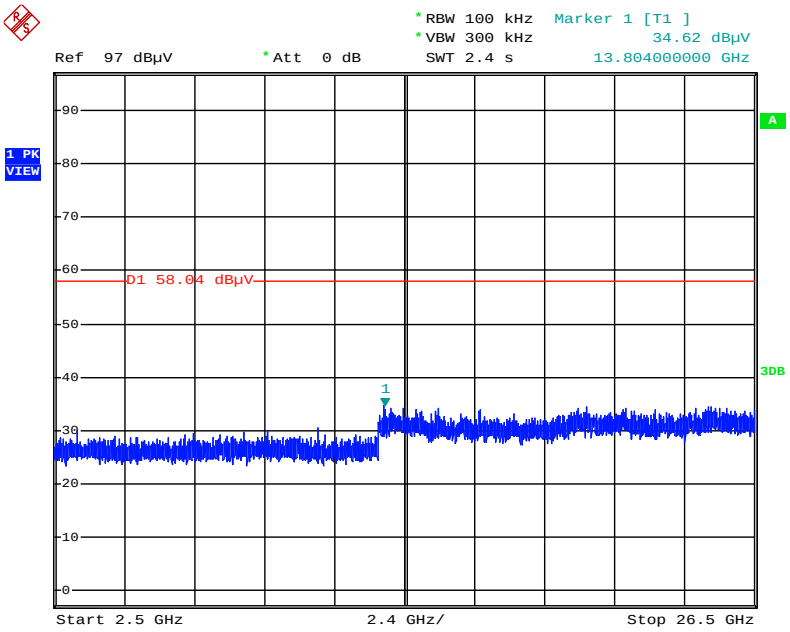
Date: 11.NOV.2015 01:44:44

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 11 / 30MHz~2400MHz (down 30dBc)



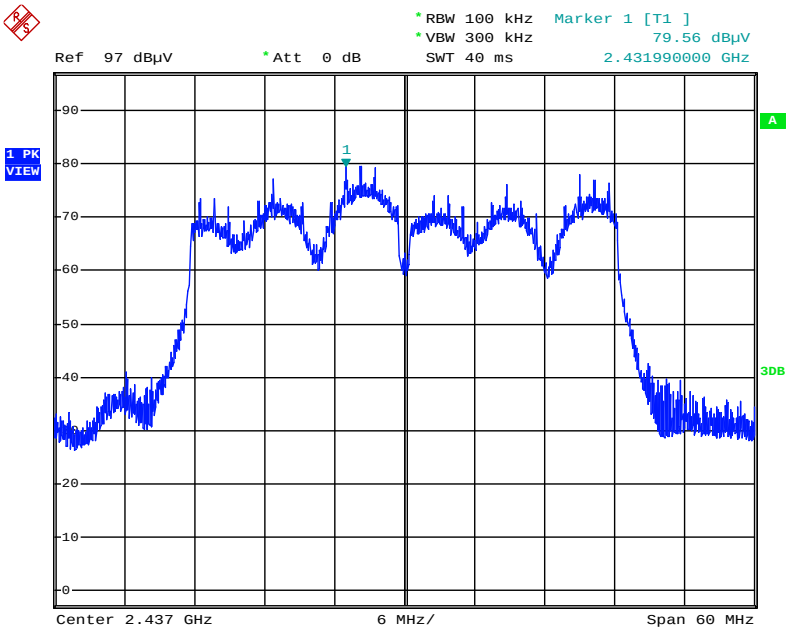
Date: 11.NOV.2015 01:45:34

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 11 / 2500MHz~26500MHz (down 30dBc)



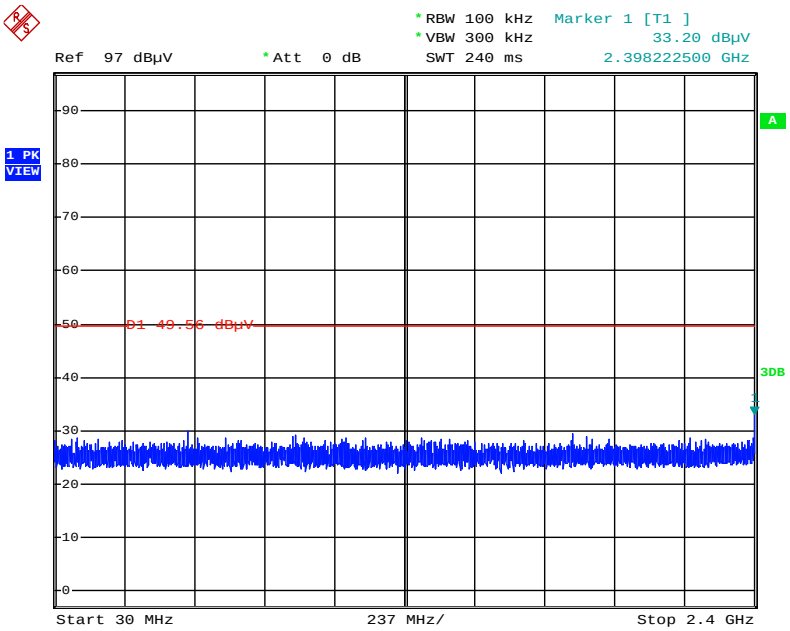
Date: 11.NOV.2015 01:46:03

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Reference Level



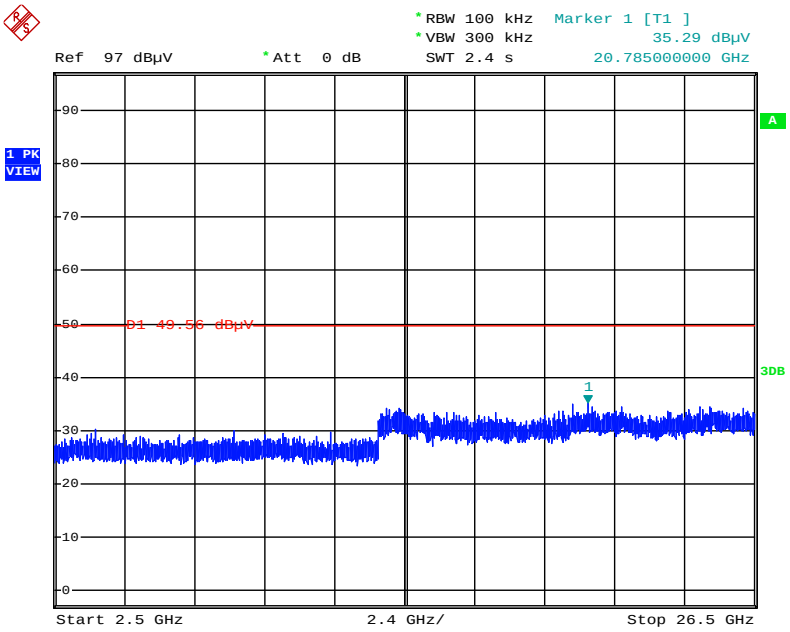
Date: 11.NOV.2015 01:48:00

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 3 / 30MHz~2400MHz (down 30dBc)



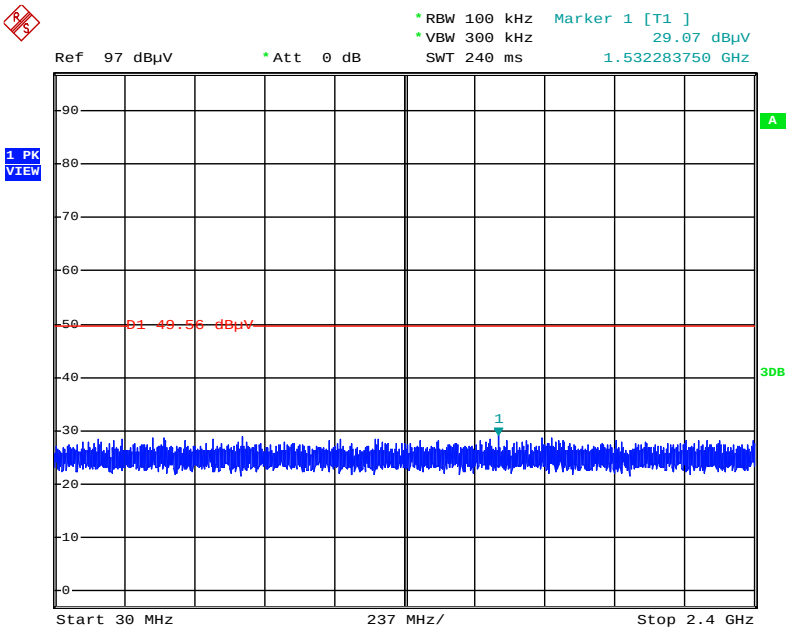
Date: 11.NOV.2015 01:49:16

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 3 / 2500MHz~26500MHz (down 30dBc)



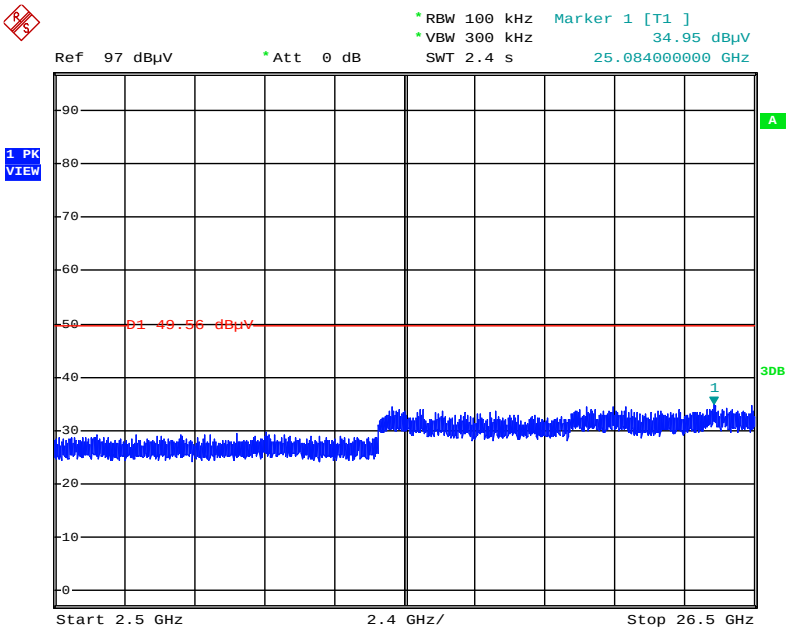
Date: 11.NOV.2015 01:49:49

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 9 / 30MHz~2400MHz (down 30dBc)



Date: 11.NOV.2015 01:50:38

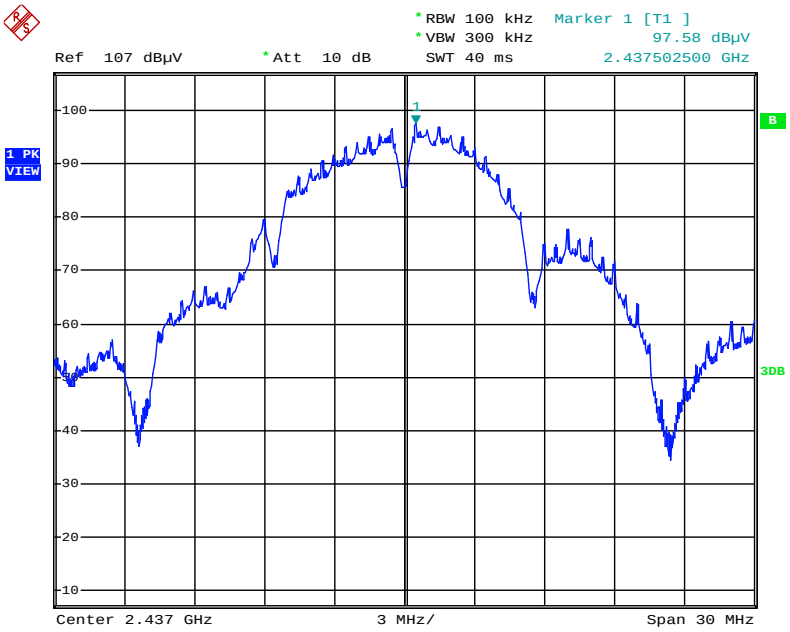
Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 9 / 2500MHz~26500MHz (down 30dBc)



Date: 11.NOV.2015 01:51:16

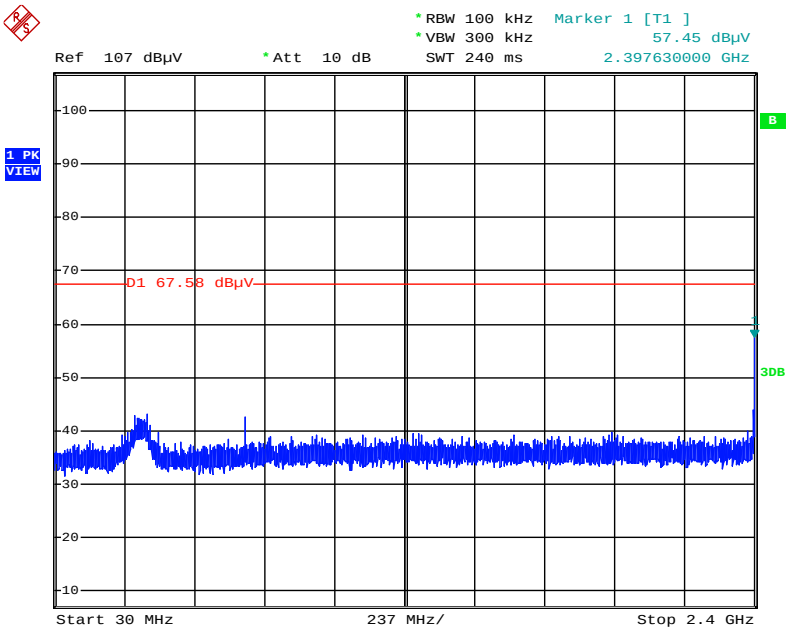
Mode 7: EUT 1 + Set 11 Omni Antenna / 5.5 dBi

Plot on Configuration IEEE 802.11b / Reference Level



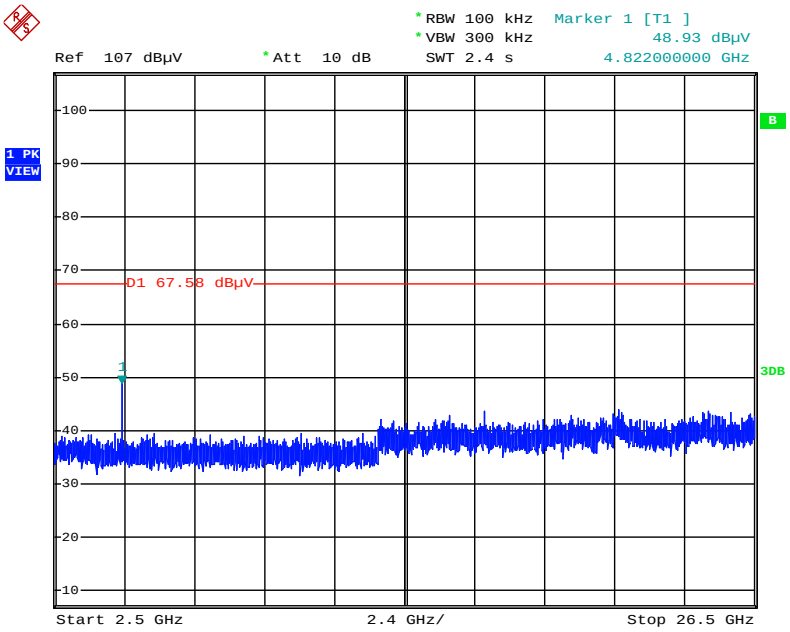
Date: 15.NOV.2015 16:19:27

Plot on Configuration IEEE 802.11b / CH 1 / 30MHz~2400MHz (down 30dBc)



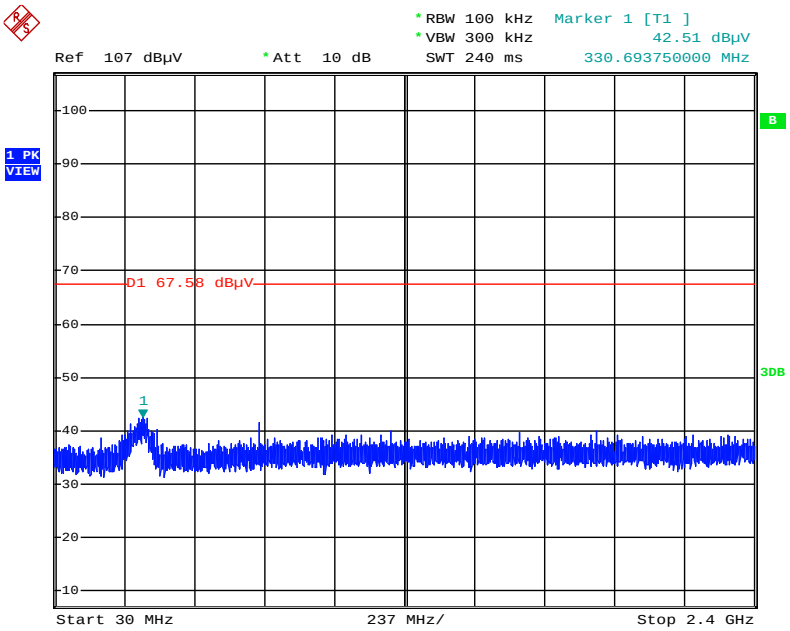
Date: 15.NOV.2015 16:20:36

Plot on Configuration IEEE 802.11b / CH 1 / 2500MHz~26500MHz (down 30dBc)



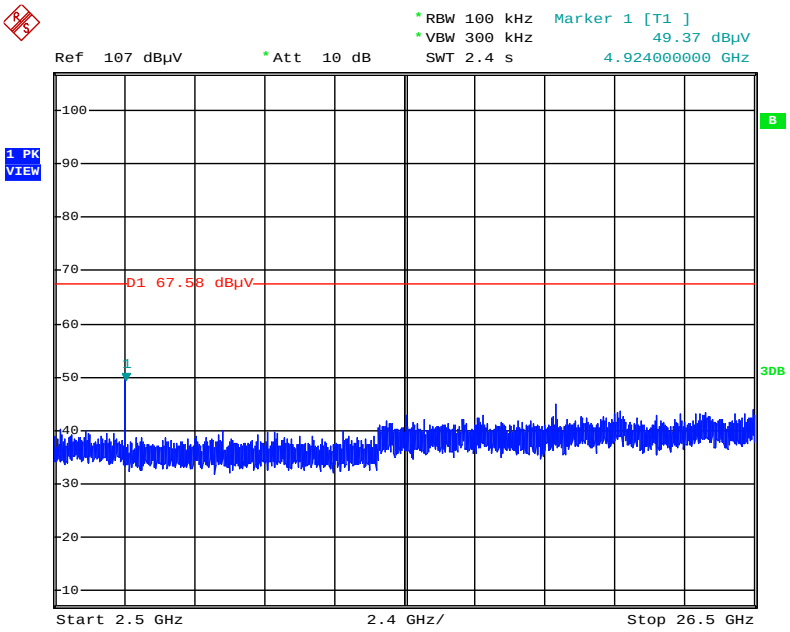
Date: 15.NOV.2015 16:20:57

Plot on Configuration IEEE 802.11b / CH 11 / 30MHz~2400MHz (down 30dBc)



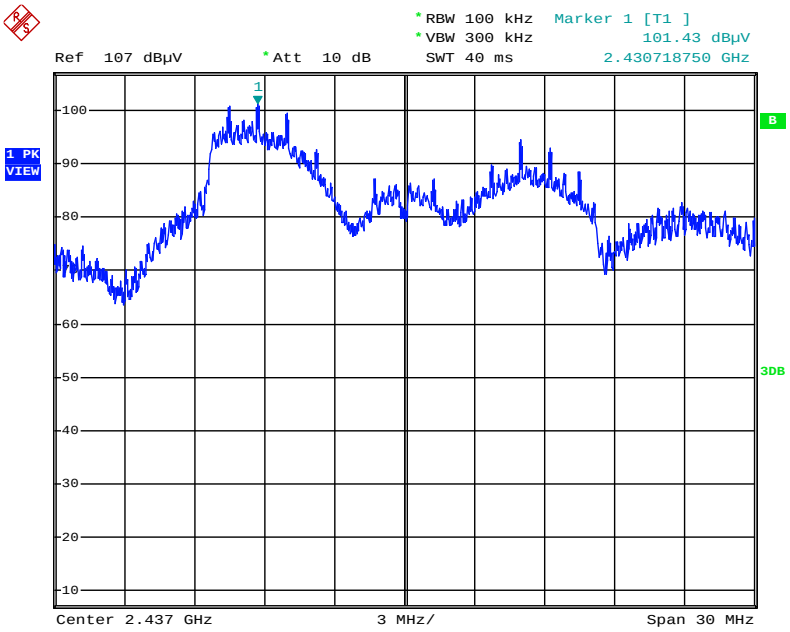
Date: 15.NOV.2015 16:21:25

Plot on Configuration IEEE 802.11b / CH 11 / 2500MHz~26500MHz (down 30dBc)



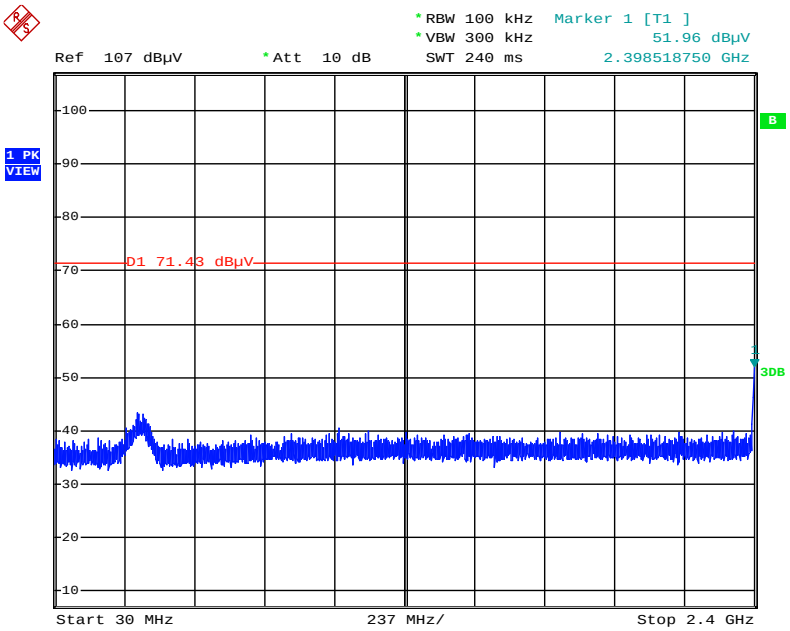
Date: 15.NOV.2015 16:21:47

Plot on Configuration IEEE 802.11g / Reference Level



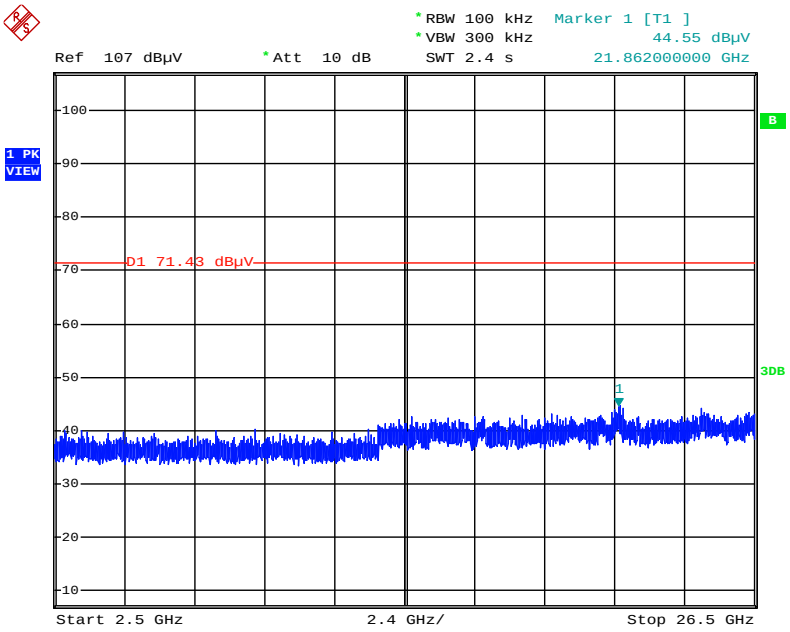
Date: 15.NOV.2015 16:06:18

Plot on Configuration IEEE 802.11g / CH 1 / 30MHz~2400MHz (down 30dBc)



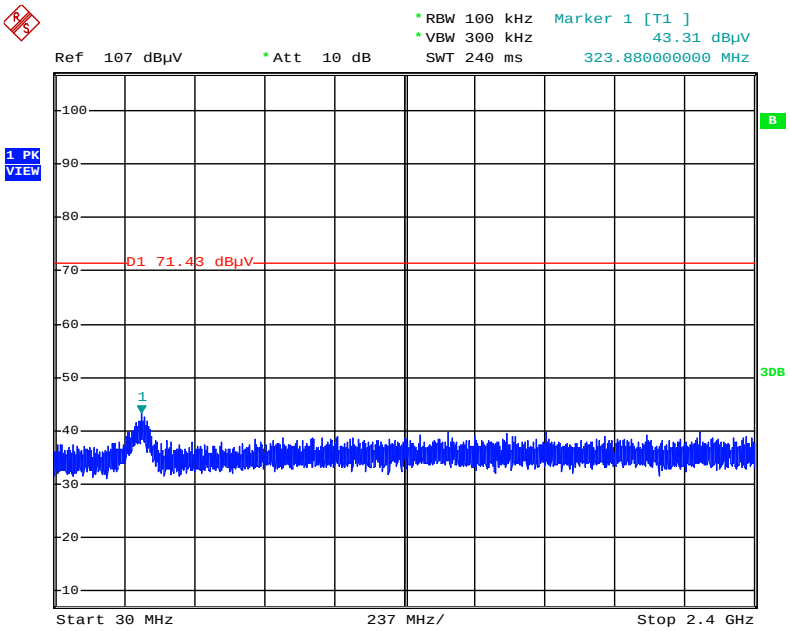
Date: 15.NOV.2015 16:07:24

Plot on Configuration IEEE 802.11g / CH 1 / 2500MHz~26500MHz (down 30dBc)



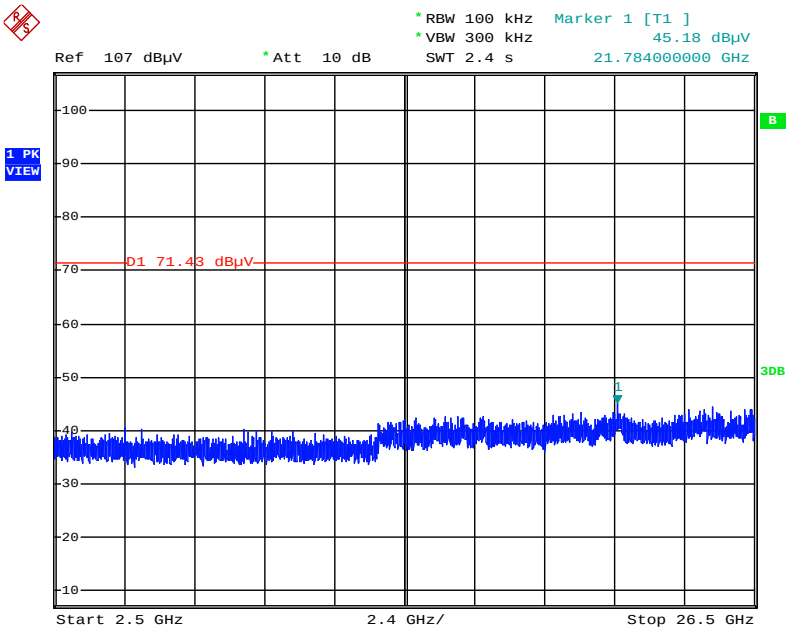
Date: 15.NOV.2015 16:07:48

Plot on Configuration IEEE 802.11g / CH 11 / 30MHz~2400MHz (down 30dBc)



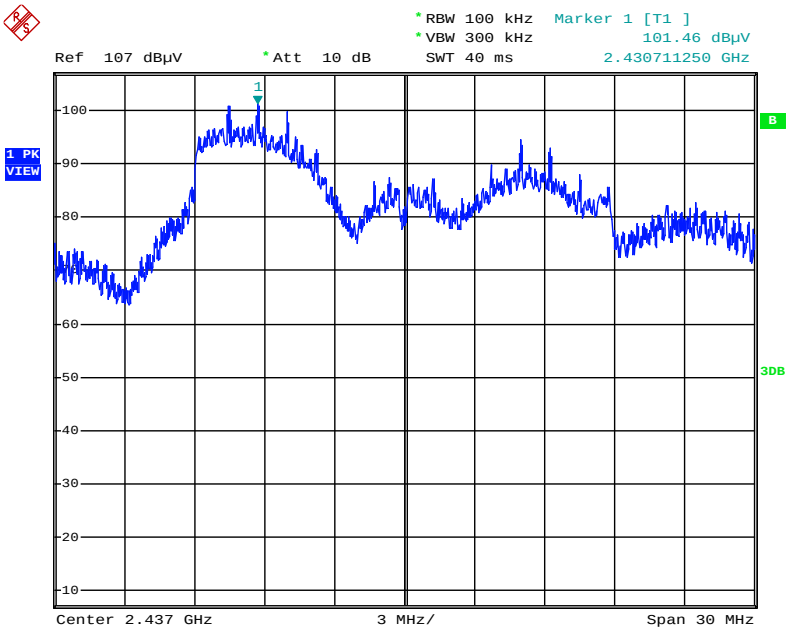
Date: 15.NOV.2015 16:08:16

Plot on Configuration IEEE 802.11g / CH 11 / 2500MHz~26500MHz (down 30dBc)



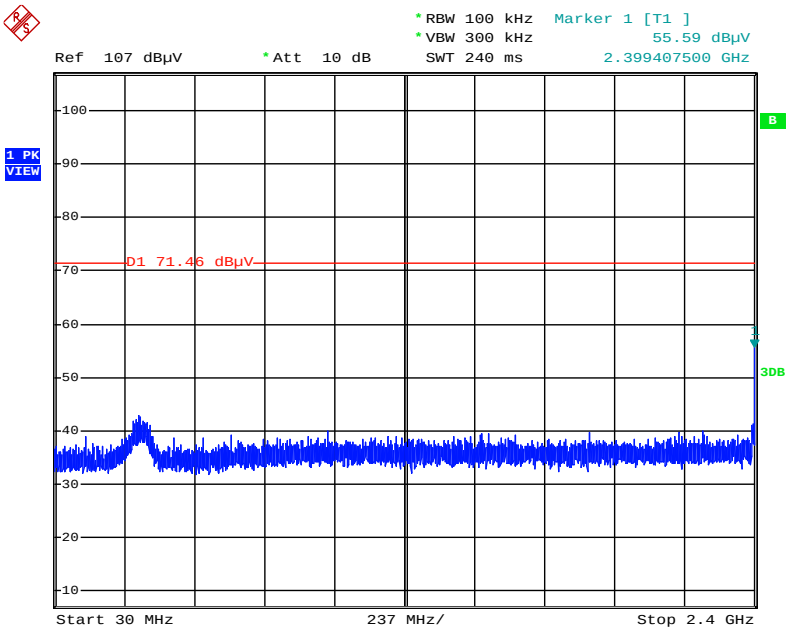
Date: 15.NOV.2015 16:08:39

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Reference Level



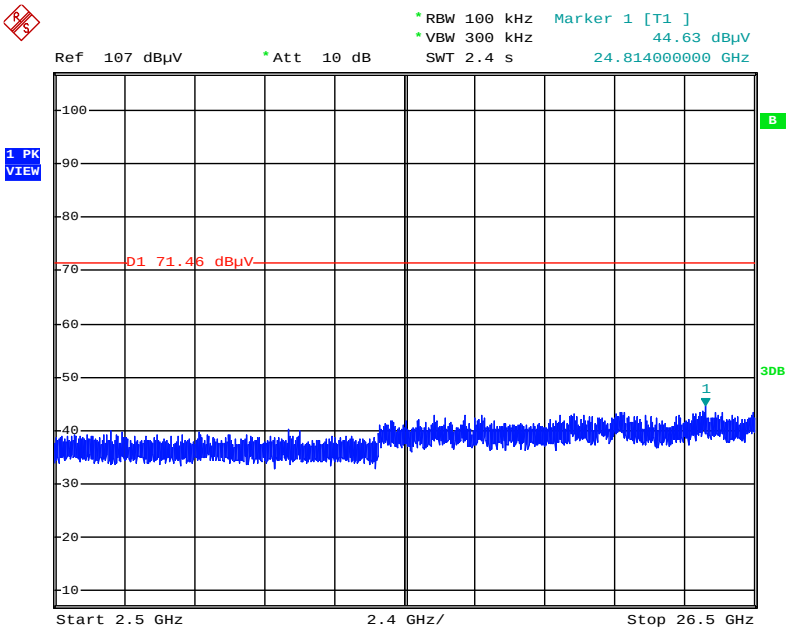
Date: 15.NOV.2015 16:10:17

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 1 / 30MHz~2400MHz (down 30dBc)



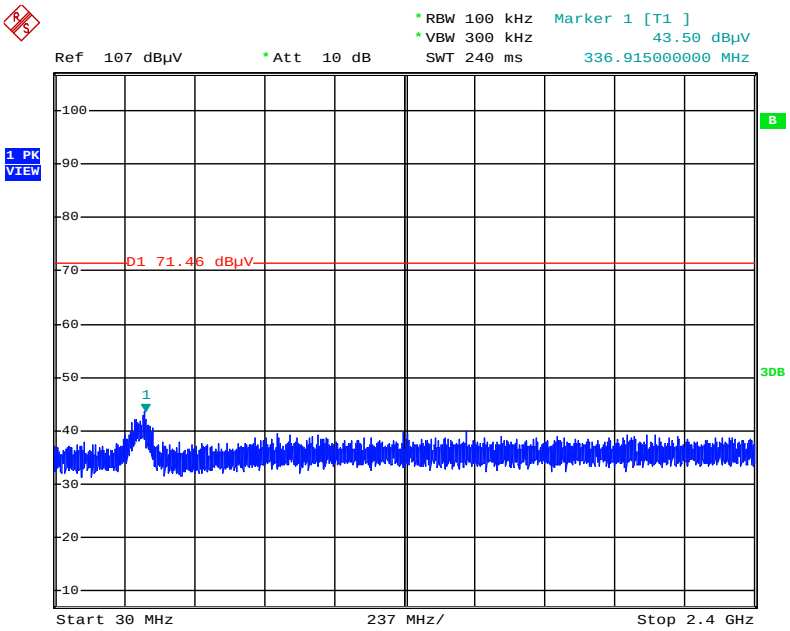
Date: 15.NOV.2015 16:24:03

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 1 / 2500MHz~26500MHz (down 30dBc)



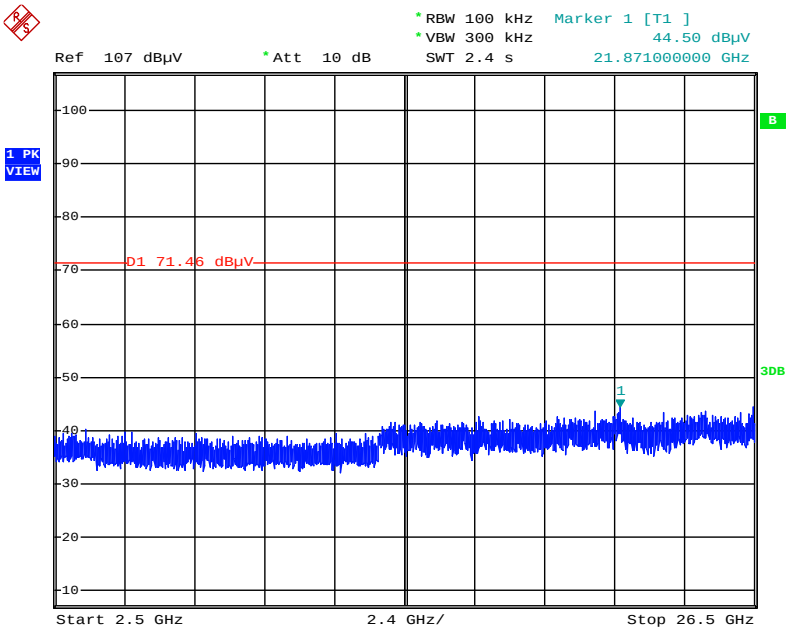
Date: 15.NOV.2015 16:12:18

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 11 / 30MHz~2400MHz (down 30dBc)



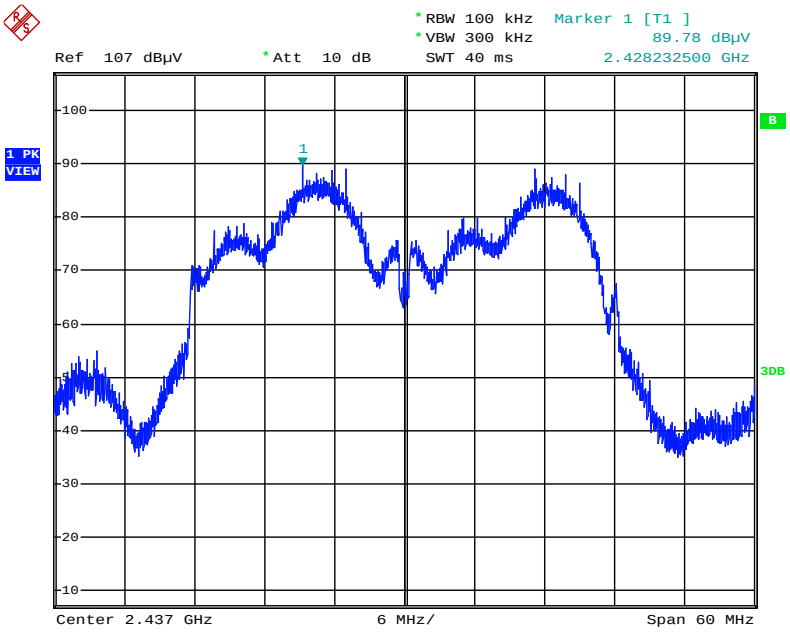
Date: 15.NOV.2015 16:12:48

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 11 / 2500MHz~26500MHz (down 30dBc)



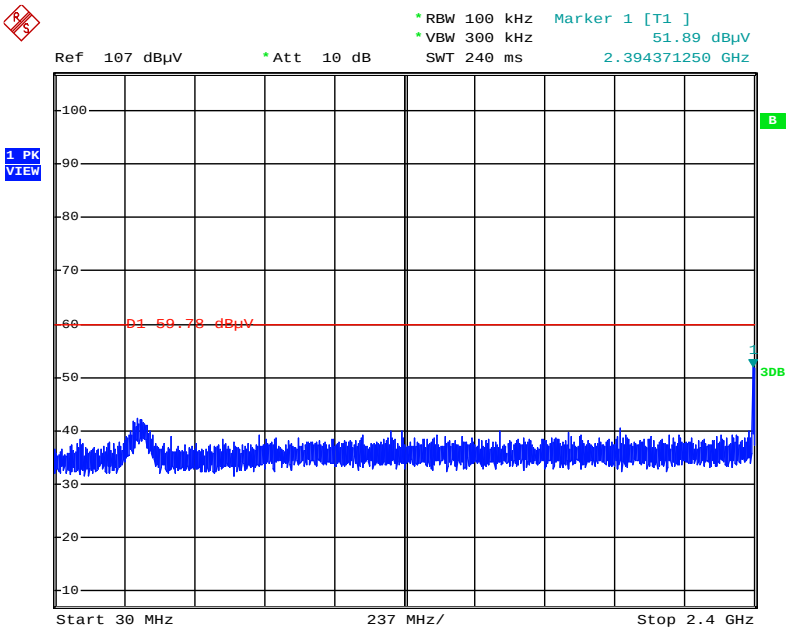
Date: 15.NOV.2015 16:13:09

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Reference Level



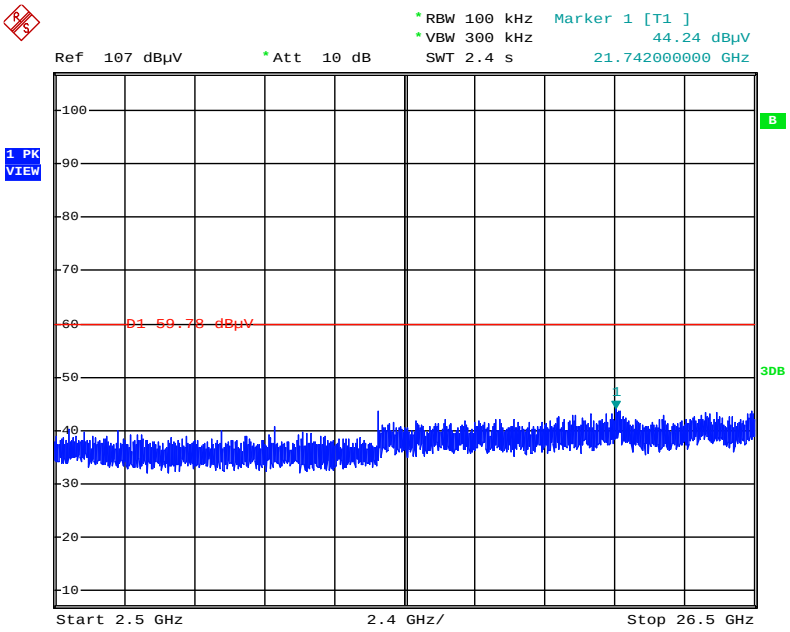
Date: 15.NOV.2015 16:13:56

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 3 / 30MHz~2400MHz (down 30dBc)



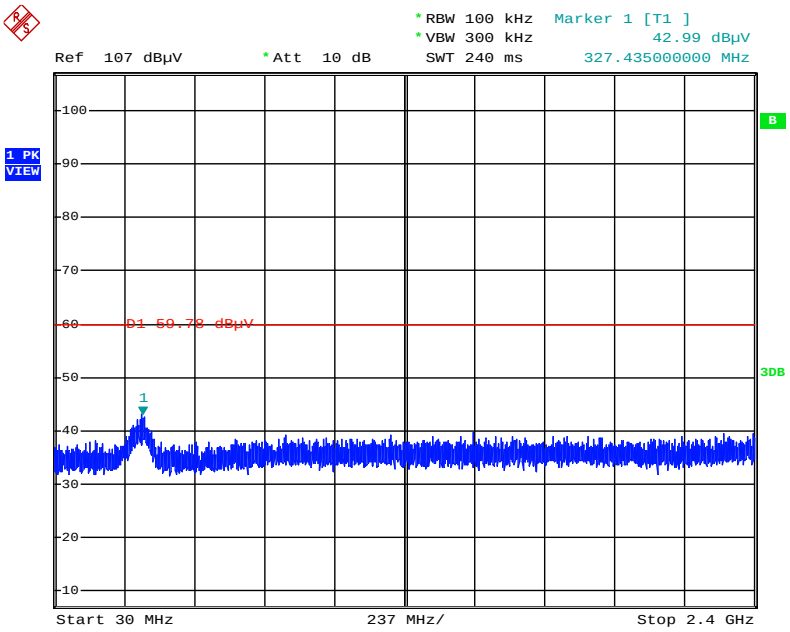
Date: 15.NOV.2015 16:14:46

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 3 / 2500MHz~26500MHz (down 30dBc)



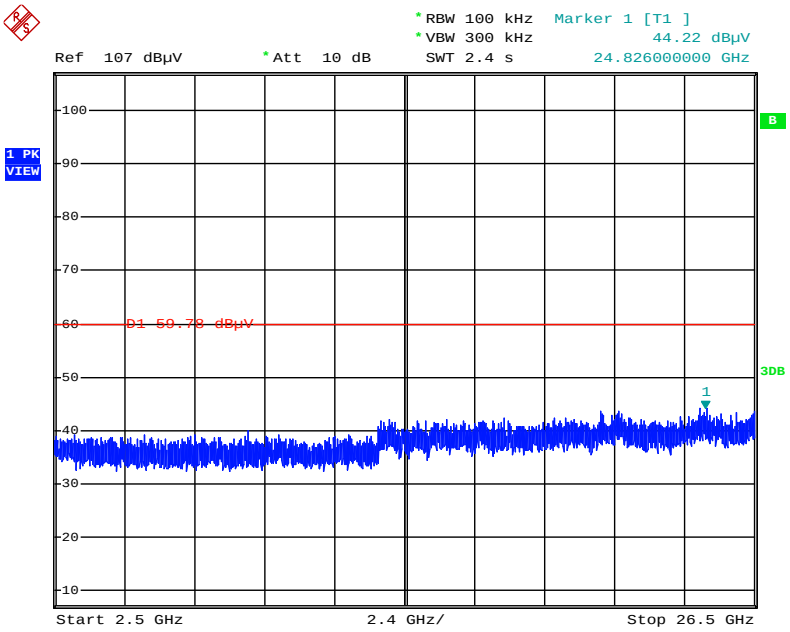
Date: 15.NOV.2015 16:15:06

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 9 / 30MHz~2400MHz (down 30dBc)



Date: 15.NOV.2015 16:15:32

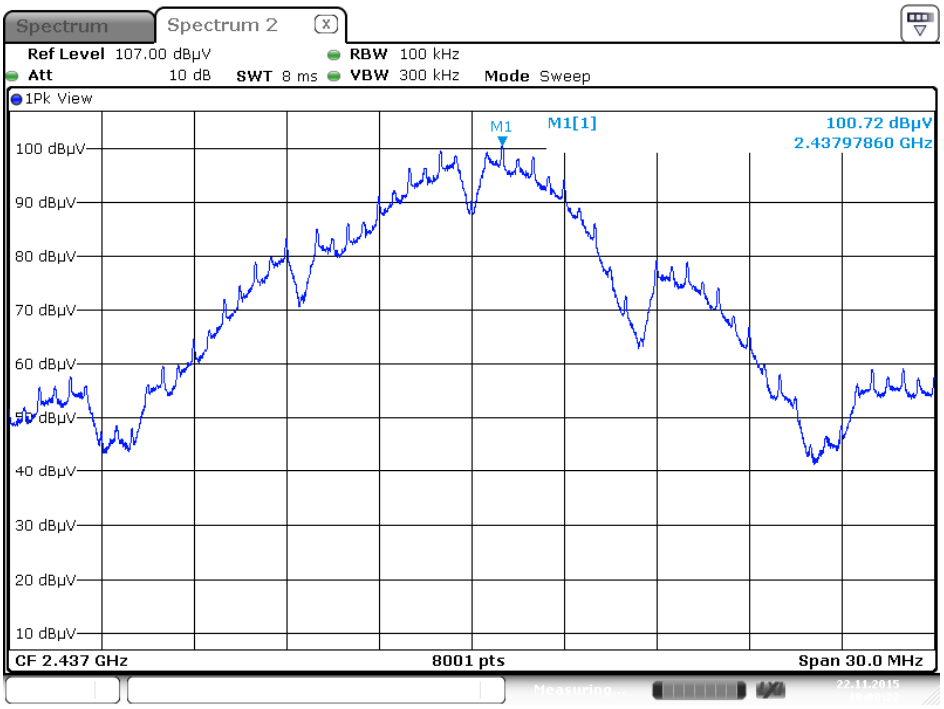
Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 9 / 2500MHz~26500MHz (down 30dBc)



Date: 15.NOV.2015 16:15:52

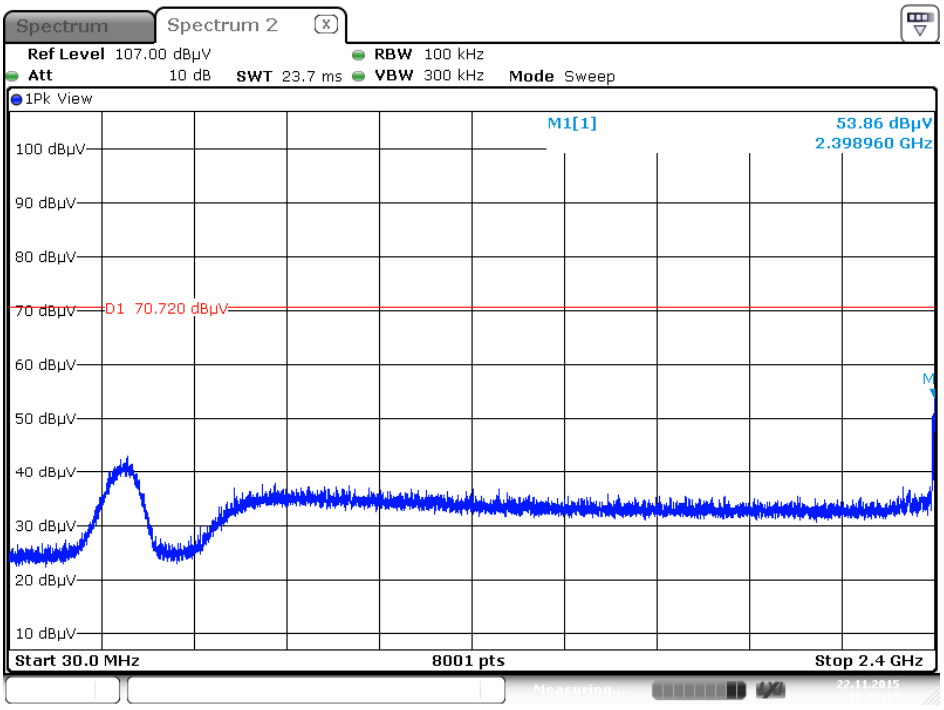
Mode 8: EUT 2 + Set 12 PIFA Antenna / Chain1:6.25 dBi, Chain2:5.77 dBi, Chain3:6.45 dBi, Chain4:5.60 dBi

Plot on Configuration IEEE 802.11b / Reference Level



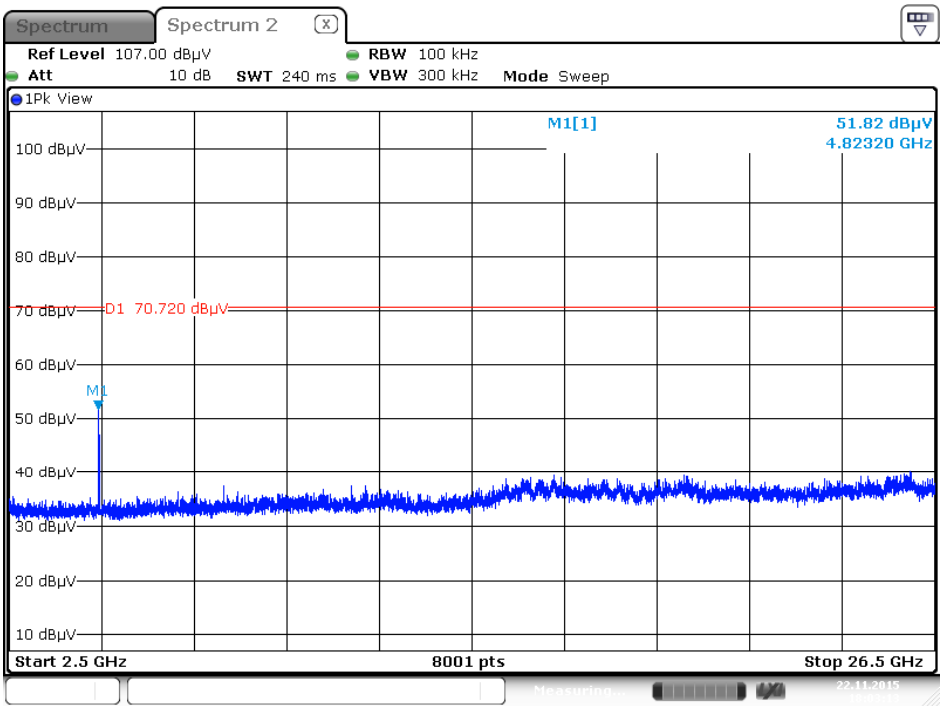
Date: 22.NOV.2015 18:00:21

Plot on Configuration IEEE 802.11b / CH 1 / 30MHz~2400MHz (down 30dBc)



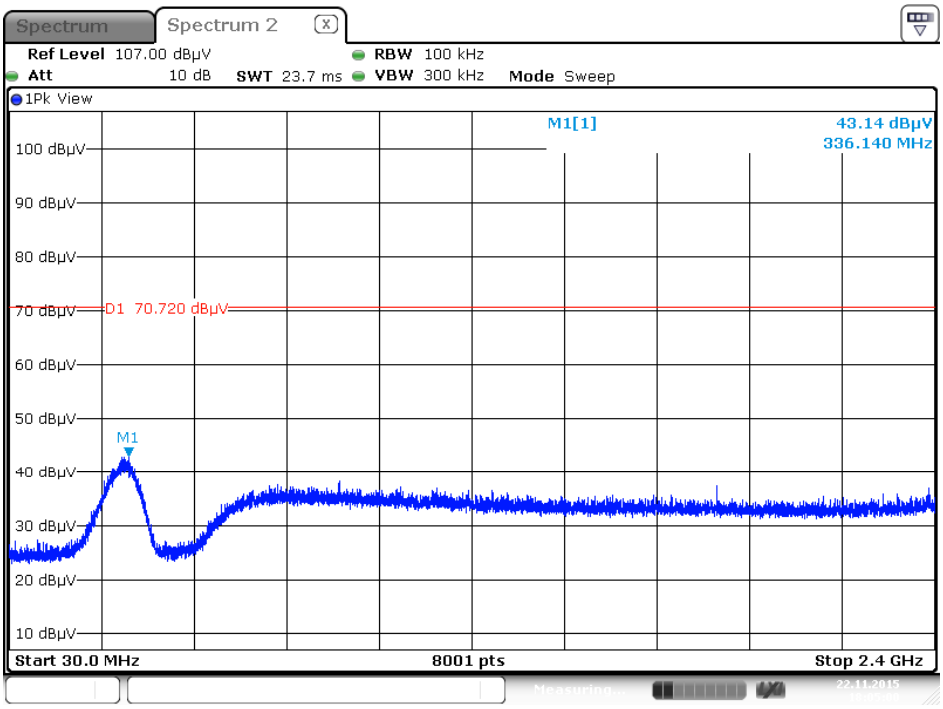
Date: 22.NOV.2015 18:02:13

Plot on Configuration IEEE 802.11b / CH 1 / 2500MHz~26500MHz (down 30dBc)



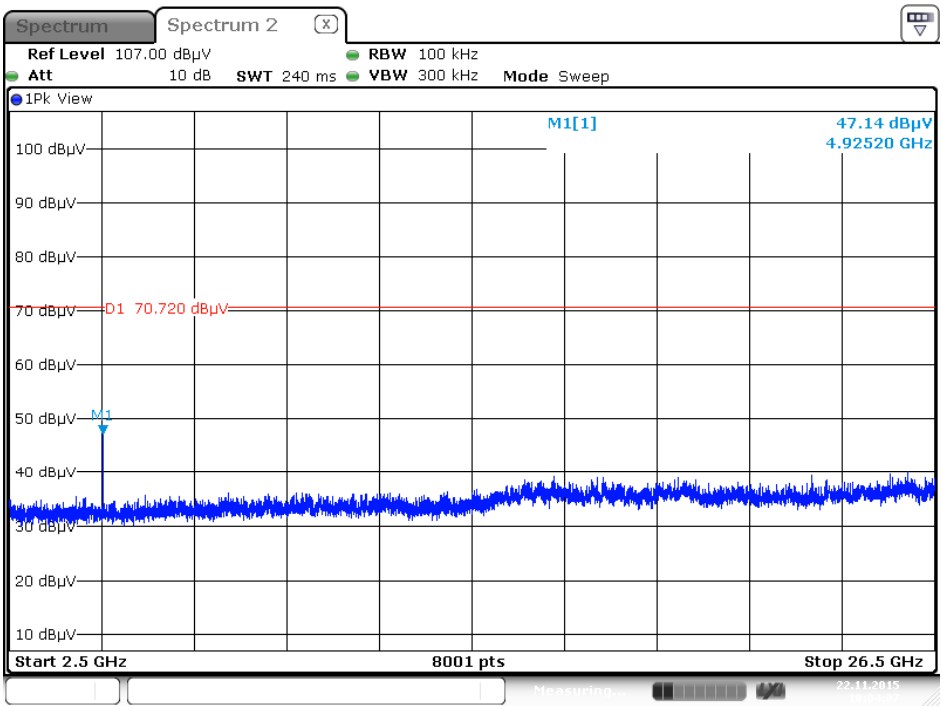
Date: 22.NOV.2015 18:03:13

Plot on Configuration IEEE 802.11b / CH 11 / 30MHz~2400MHz (down 30dBc)

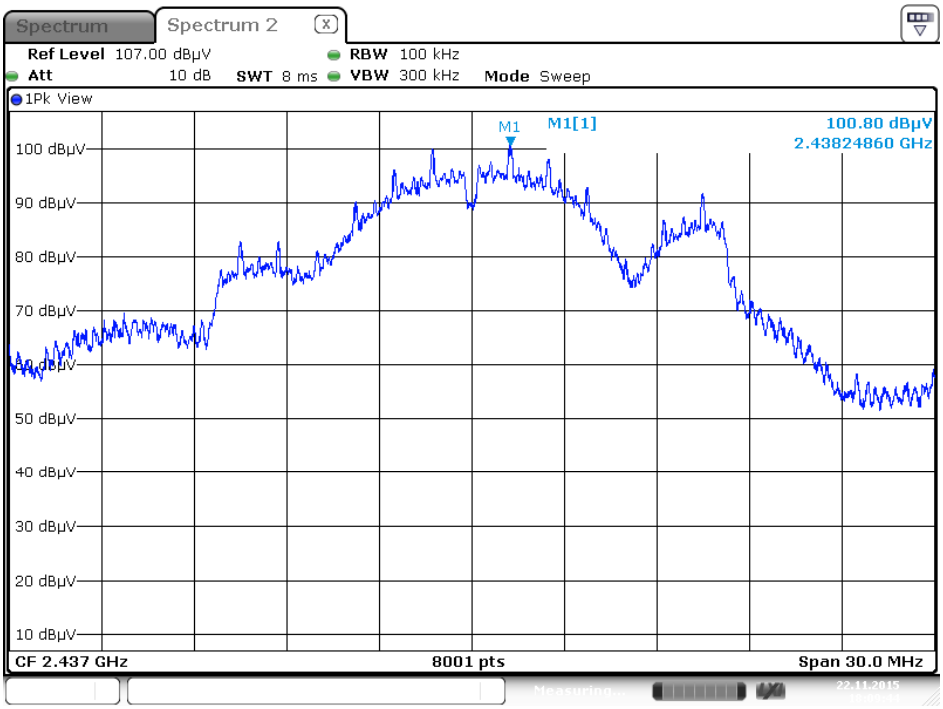


Date: 22.NOV.2015 18:05:00

Plot on Configuration IEEE 802.11b / CH 11 / 2500MHz~26500MHz (down 30dBc)

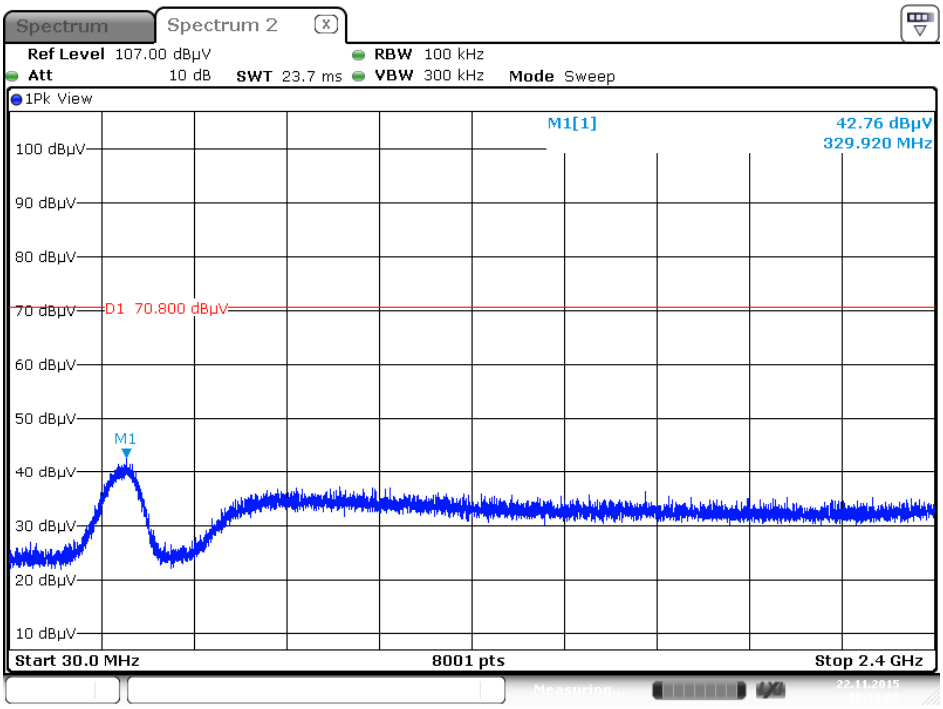


Plot on Configuration IEEE 802.11g / Reference Level



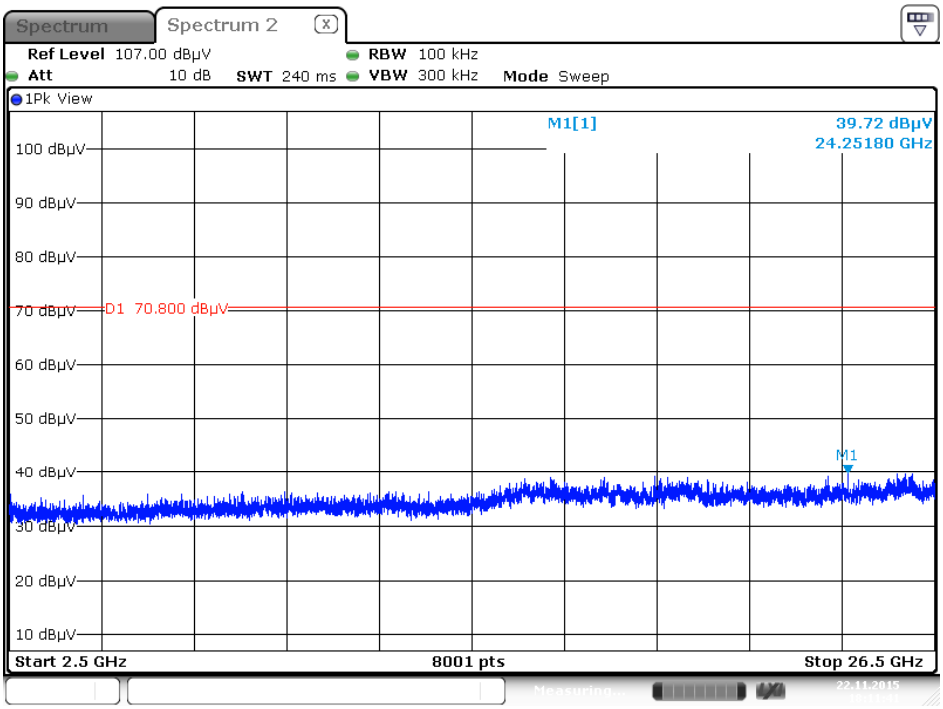
Date: 22.NOV.2015 18:09:45

Plot on Configuration IEEE 802.11g / CH 1 / 30MHz~2400MHz (down 30dBc)



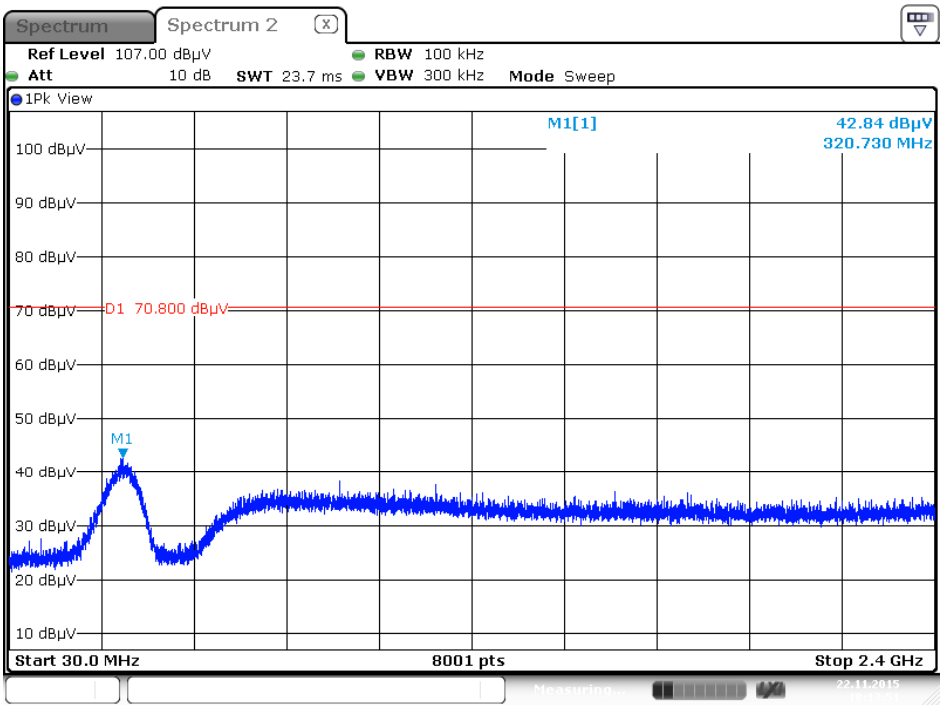
Date: 22.NOV.2015 18:13:09

Plot on Configuration IEEE 802.11g / CH 1 / 2500MHz~26500MHz (down 30dBc)



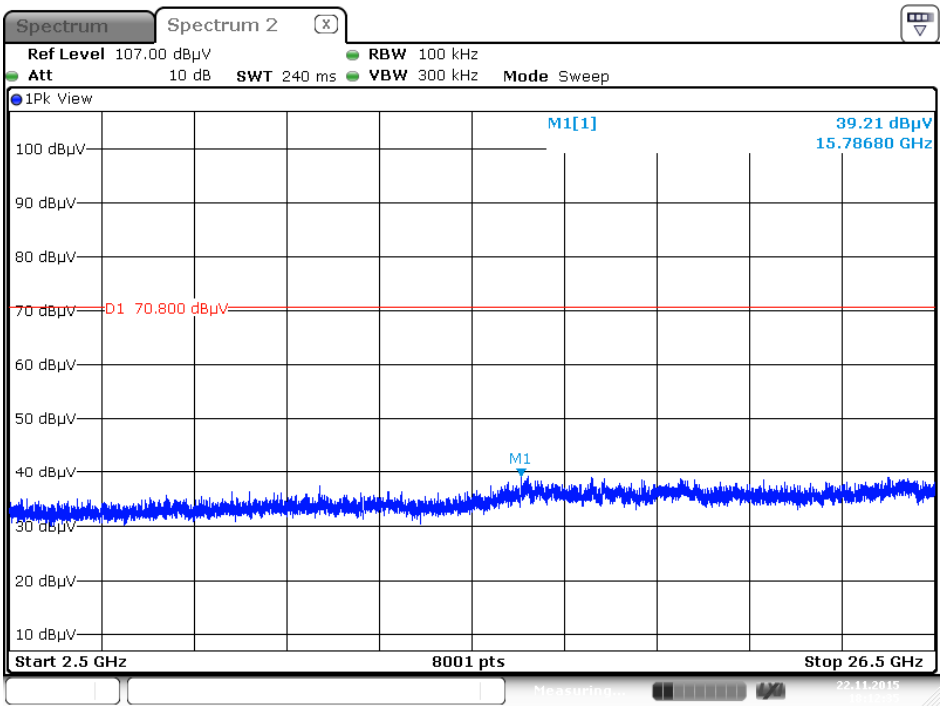
Date: 22.NOV.2015 18:11:41

Plot on Configuration IEEE 802.11g / CH 11 / 30MHz~2400MHz (down 30dBc)



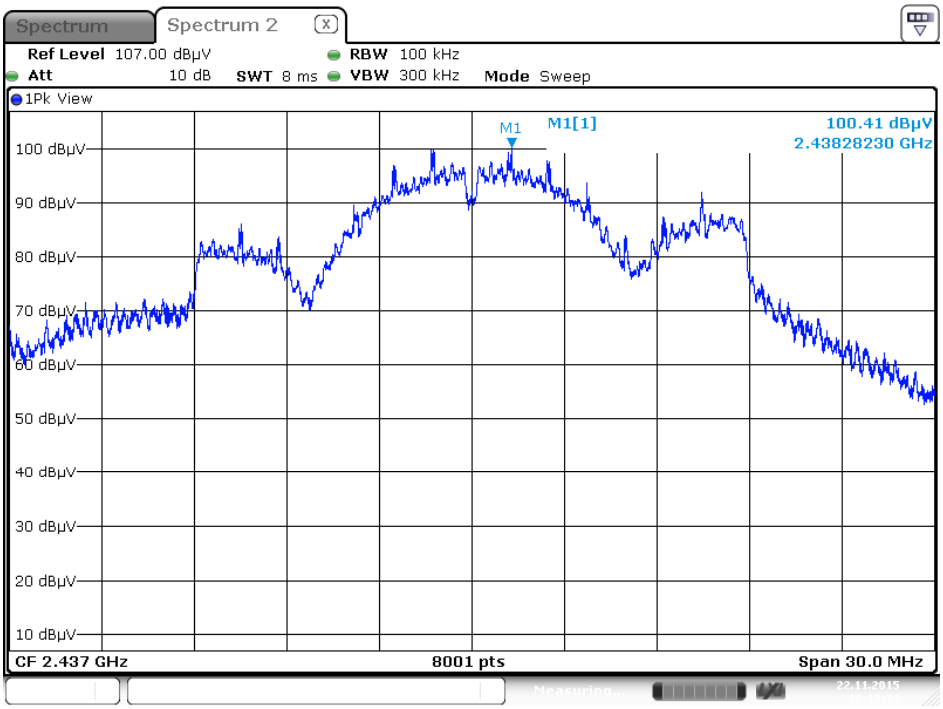
Date: 22.NOV.2015 18:13:51

Plot on Configuration IEEE 802.11g / CH 11 / 2500MHz~26500MHz (down 30dBc)



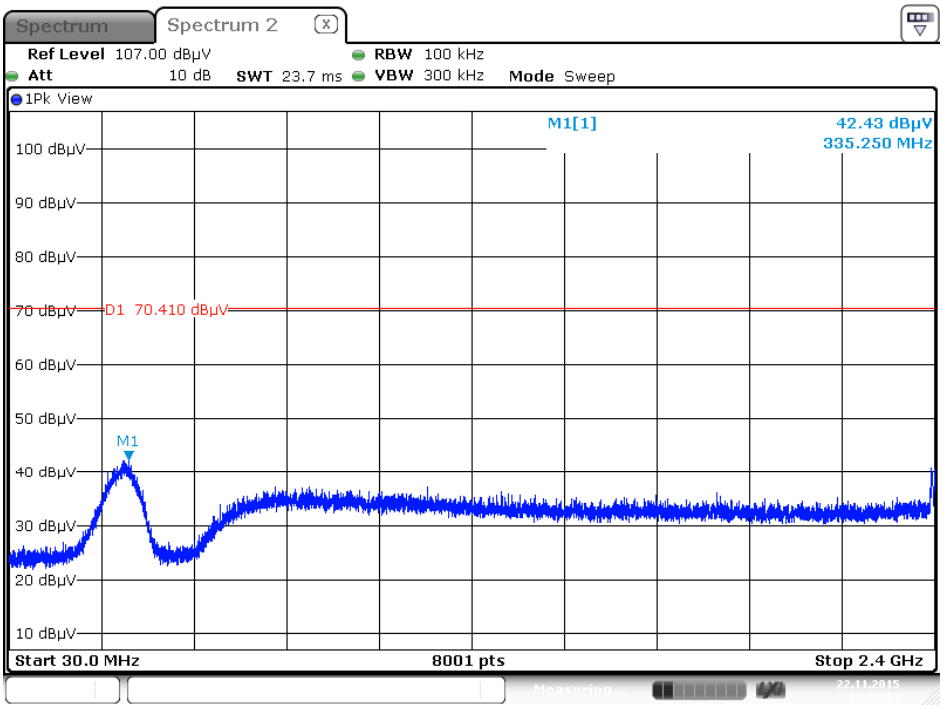
Date: 22.NOV.2015 18:12:35

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Reference Level



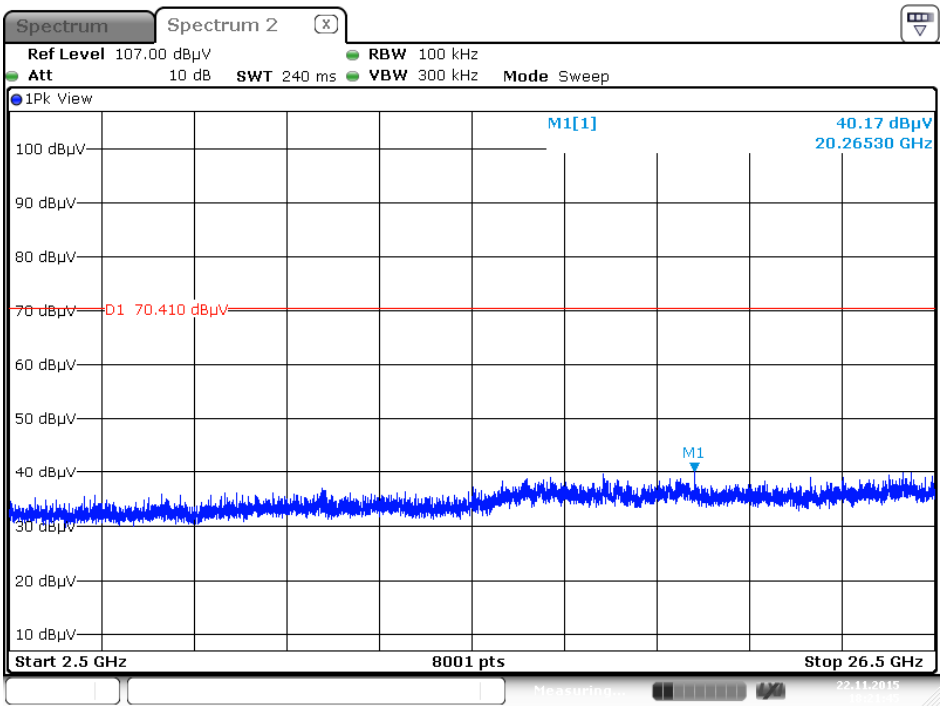
Date: 22.NOV.2015 18:19:54

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 1 / 30MHz~2400MHz (down 30dBc)



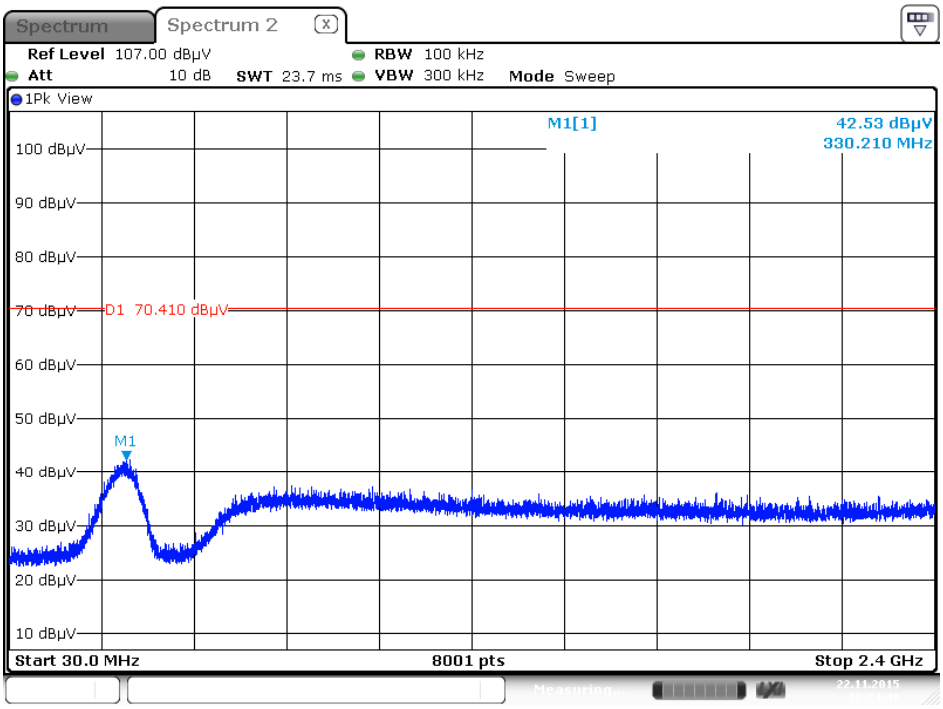
Date: 22.NOV.2015 18:21:03

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 1 / 2500MHz~26500MHz (down 30dBc)



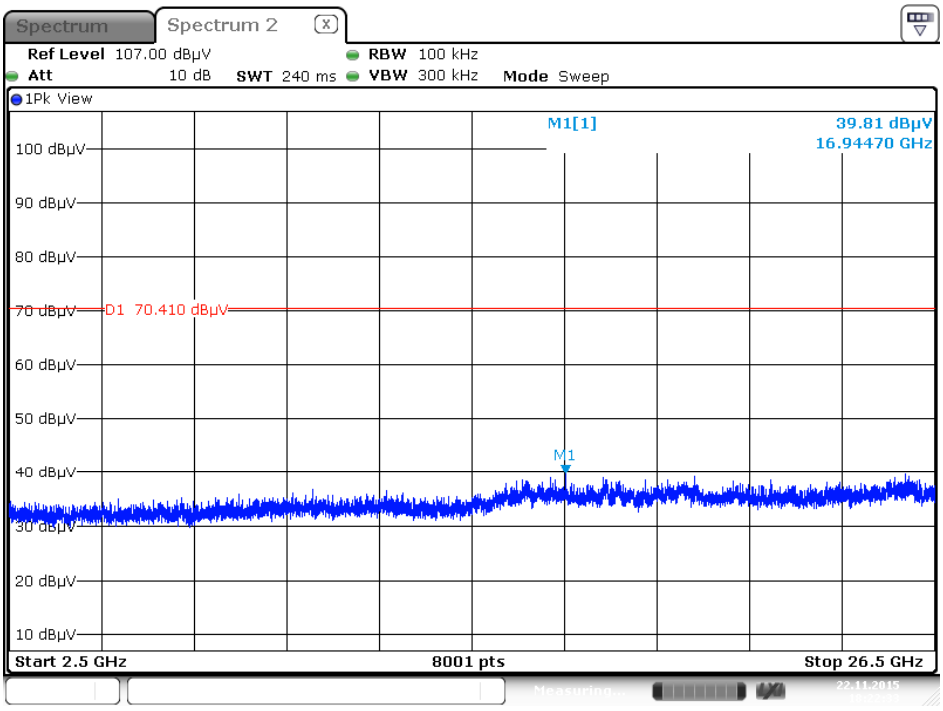
Date: 22.NOV.2015 18:21:46

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 11 / 30MHz~2400MHz (down 30dBc)



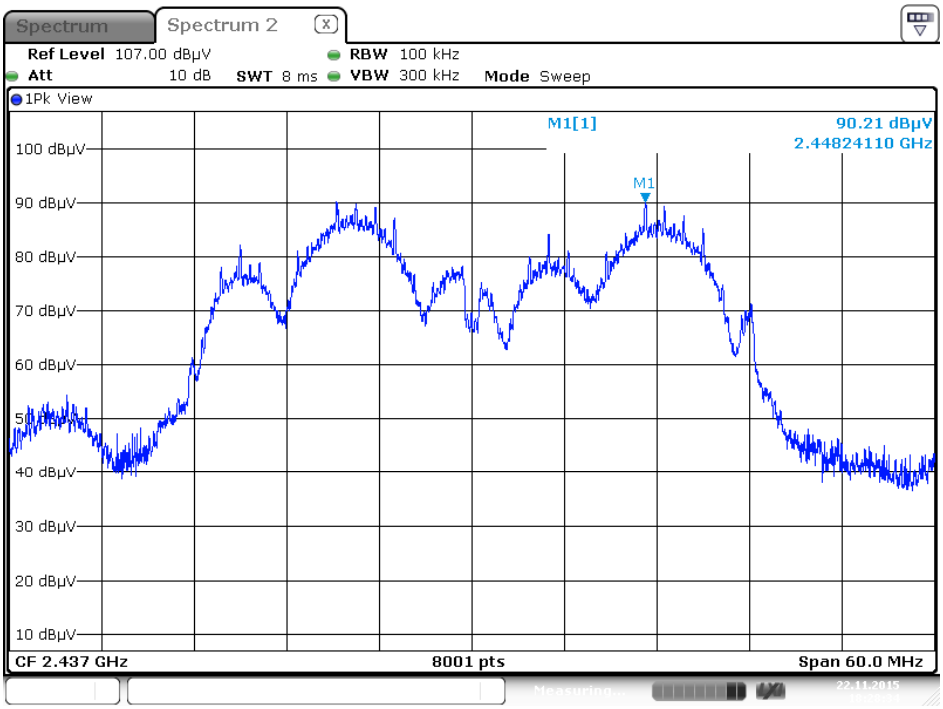
Date: 22.NOV.2015 18:24:49

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 11 / 2500MHz~26500MHz (down 30dBc)



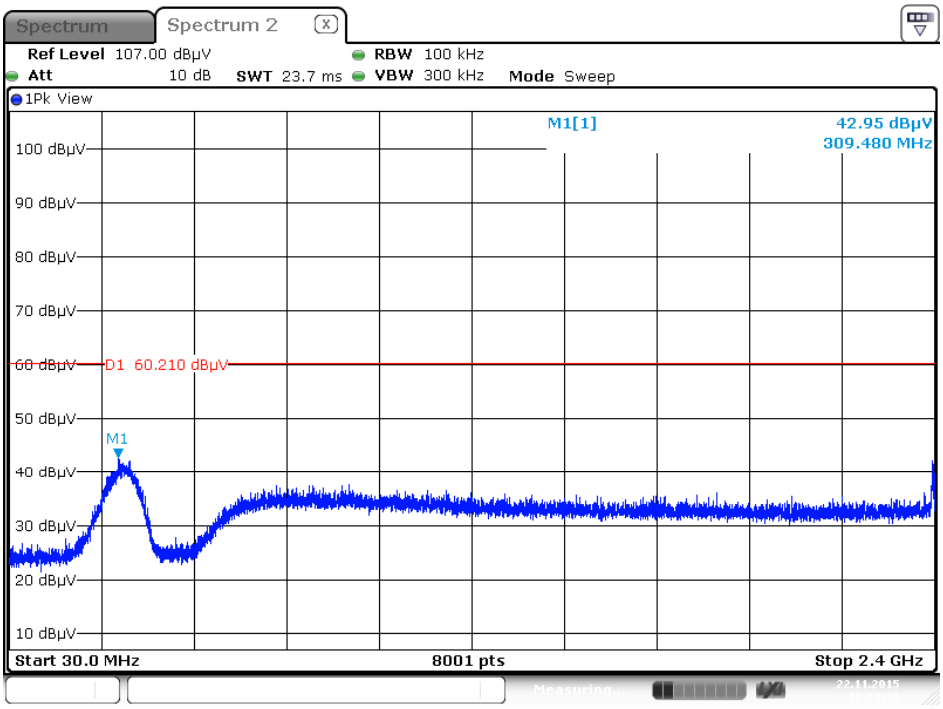
Date: 22.NOV.2015 18:22:33

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Reference Level



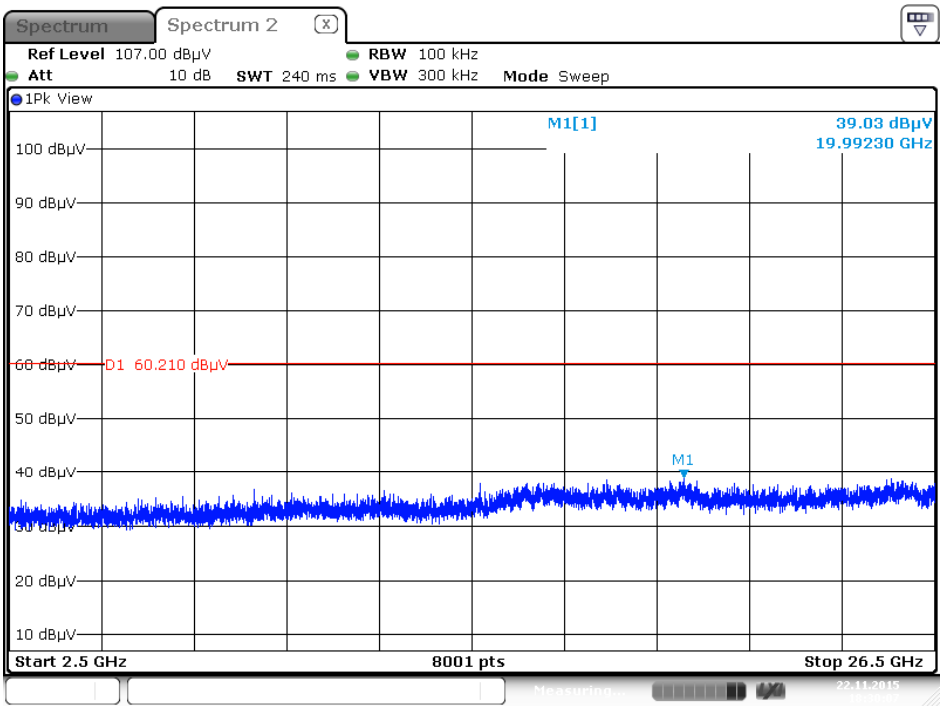
Date: 22.NOV.2015 18:28:34

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 3 / 30MHz~2400MHz (down 30dBc)



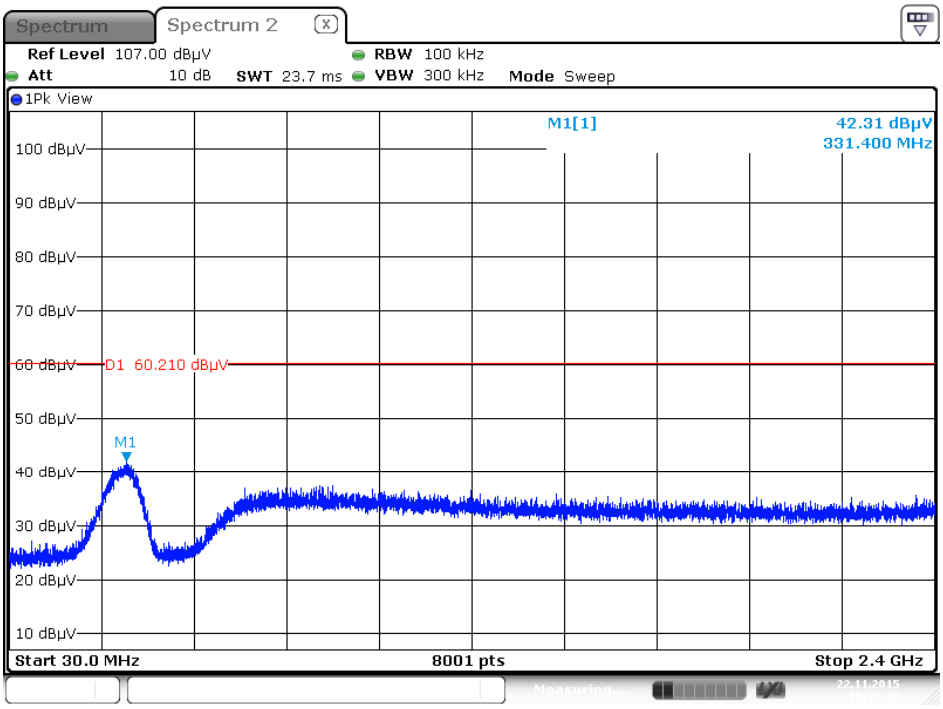
Date: 22.NOV.2015 18:29:39

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 3 / 2500MHz~26500MHz (down 30dBc)



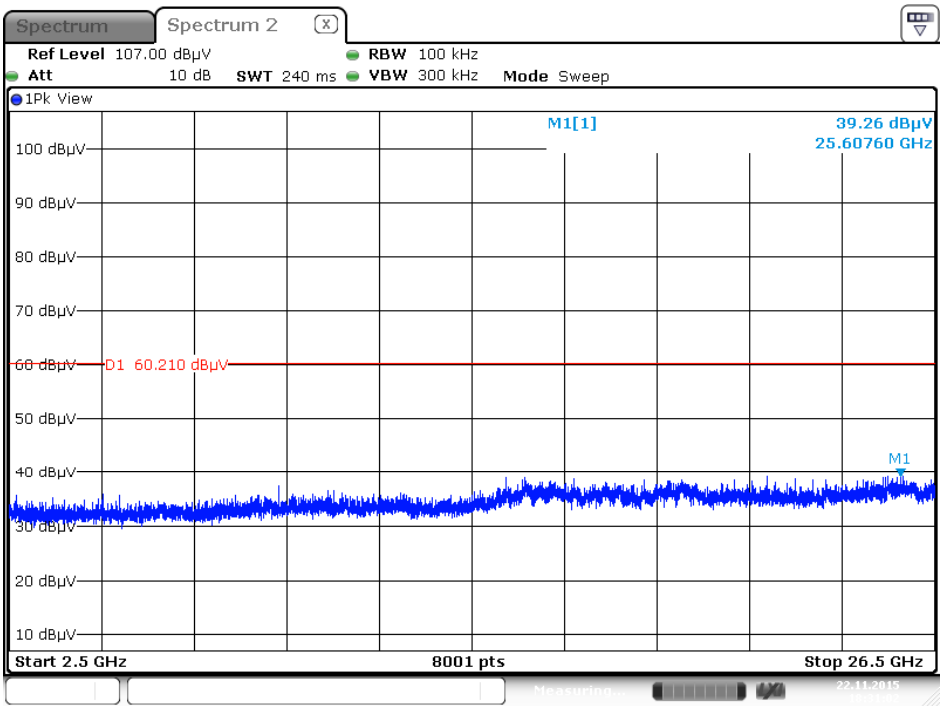
Date: 22.NOV.2015 18:30:07

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 9 / 30MHz~2400MHz (down 30dBc)



Date: 22.NOV.2015 18:31:42

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 9 / 2500MHz~26500MHz (down 30dBc)



Date: 22.NOV.2015 18:31:02

4.7. Antenna Requirements

4.7.1. Limit

Except for special regulations, the Low-power Radio-frequency Devices must not be equipped with any jacket for installing an antenna with extension cable. An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited. Further, this requirement does not apply to intentional radiators that must be professionally installed.

4.7.2. Antenna Connector Construction

Please refer to section 3.3 in this test report; antenna connector complied with the requirements.

5. LIST OF MEASURING EQUIPMENTS

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
EMI Test Receiver	R&S	ESCS 30	100355	9kHz ~ 2.75GHz	Apr. 22, 2015	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Nov. 16, 2015	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Nov. 13, 2015	Conduction (CO01-CB)
COND Cable	Woken	Cable	01	150kHz ~ 30MHz	May 25, 2015	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	Conduction (CO01-CB)
BILOG ANTENNA	Schaffner	CBL6112D	37880	20MHz ~ 2GHz	Sep. 03, 2015	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 12, 2015*	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Oct. 22, 2015	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2015	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8447D	2944A10991	0.1MHz ~ 1.3GHz	Feb. 24, 2015	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 12, 2015	Radiation (03CH01-CB)
Pre-Amplifier	WM	TF-130N-R1	923365	26GHz ~ 40GHz	Feb.10, 2015	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Oct. 27, 2015	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 12, 2014	Radiation (03CH01-CB)
EMI Receiver	Agilent	N9038A	MY52260123	9kHz ~ 8.4GHz	Jan. 21, 2015	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-1	N/A	30 MHz ~ 1 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-17	N/A	1 GHz ~ 18 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G-1	N/A	18GHz ~ 40 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G-2	N/A	18GHz ~ 40 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
Test Software	Audix	E3	6.2009-l0-7	N/A	N/A	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 12, 2014	Conducted (TH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 09, 2015	Conducted (TH01-CB)
Temp. and Humidity Chamber	Ten Billion	TTH-D3SP	TBN-931011	-30~100 degree	Jun. 02, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-7	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-8	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
RF Cable-high	Woken	RG402	High Cable-9	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-6	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 02, 2015	Conducted (TH01-CB)

Note: Calibration Interval of instruments listed above is one year.

"*" Calibration Interval of instruments listed above is two years.

N.C.R. means Non-Calibration required.

6. MEASUREMENT UNCERTAINTY

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.2 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.7 dB	Confidence levels of 95%