Temperature	23℃	Humidity	61%
Test Engineer	Mars Lin, Hank Yang	Configurations	IEEE 802. 11ac MCS0/Nss1 VHT40 CH 9 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 15, 2014		
Test Mode	Mode 2: (Ant.7 Panel antenna / 6.5 dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	4905.51	47.10	74.00	-26.90	43.74	5.79	33.67	31.24	HORIZONTAL	147	102	Peak
2	4912.83	32.80	54.00	-21.20	29.43	5.79	33.67	31.25	HORIZONTAL	147	102	Average
3	7347.81	52.75	74.00	-21.25	43.42	7.22	34.03	36.14	HORIZONTAL	153	125	Peak
4	7347.90	39.50	54.00	-14.50	30.17	7.22	34.03	36.14	HORIZONTAL	153	125	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	4912.34	46.03	74.00	-27.97	42.66	5.79	33.67	31.25	VERTICAL	216	144	Peak
2	4918.94	32.92	54.00	-21.08	29.55	5.79	33.67	31.25	VERTICAL	216	144	Average
3	7337.88	39.71	54.00	-14.29	30.36	7.22	34.02	36.15	VERTICAL	258	186	Average
4	7338.52	52.16	74.00	-21.84	42.82	7.22	34.03	36.15	VERTICAL	258	186	Peak

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin, Hank Yang	Configurations	IEEE 802. 11ac MCS0/Nss1 VHT20 CH 1 / Chain 1 + Chain 2
Test Date	Dec. 24, 2014		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 1: 8.8, Chain 2: 5.9, Chain 3: 9 dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	4818.84	31.33	54.00	-22.67	28.21	5.74	33.70	31.08	HORIZONTAL	189	100	Average
2	4818.84	44.55	74.00	-29.45	41.43	5.74	33.70	31.08	HORIZONTAL	189	100	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	4825.76	33.60	54.00	-20.40	30.45	5.74	33.70	31.11	VERTICAL	16	100	Average
2	4827.05	46.17	74.00	-27.83	43.02	5.74	33.70	31.11	VERTICAL	16	100	Peak

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin, Hank Yang	Configurations	IEEE 802. 11ac MCS0/Nss1 VHT20 CH 6 / Chain 1 + Chain 2
Test Date	Dec. 24, 2014		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 1: 8.8, Chain 2: 5.9, Chain 3: 9 dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	4872.79	31.00	54.00	-23.00	27.74	5.77	33.69	31.18	HORIZONTAL	160	100	Average
2	4874.65	44.41	74.00	-29.59	41.14	5.77	33.68	31.18	HORIZONTAL	160	100	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	4873.81	41.40	54.00	-12.60	38.13	5.77	33.68	31.18	VERTICAL	18	100	Average
2	4874.03	55.91	74.00	-18.09	52.64	5.77	33.68	31.18	VERTICAL	18	100	Peak

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin, Hank Yang	Configurations	IEEE 802. 11ac MCS0/Nss1 VHT20 CH 11 / Chain 1 + Chain 2
Test Date	Dec. 24, 2014		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 1: 8.8, Chain 2: 5.9, Chain 3: 9 dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	4922.93	31.30	54.00	-22.70	27.91	5.79	33.67	31.27	HORIZONTAL	82	100	Average
2	4928.07	44.90	74.00	-29.10	41.50	5.79	33.67	31.28	HORIZONTAL	82	100	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	4923.86	48.68	74.00	-25.32	45.28	5.79	33.67	31.28	VERTICAL	326	100	Peak
2	4928.76	33.13	54.00	-20.87	29.72	5.80	33.67	31.28	VERTICAL	326	100	Average

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin, Hank Yang	Configurations	IEEE 802. 11ac MCS0/Nss1 VHT40 CH 3 / Chain 1 + Chain 2
Test Date	Dec. 24, 2014		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 1: 8.8, Chain 2: 5.9, Chain 3: 9 dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	4838.14	45.74	74.00	-28.26	42.57	5.75	33.70	31.12	HORIZONTAL	124	100	Peak
2	4839.16	31.02	54.00	-22.98	27.85	5.75	33.70	31.12	HORIZONTAL	124	100	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	4843.74	33.17	54.00	-20.83	29.99	5.75	33.70	31.13	VERTICAL	29	100	Average
2	4844.00	47.79	74.00	-26.21	44.61	5.75	33.70	31.13	VERTICAL	29	100	Peak

Temperature	23℃	Humidity	61%
Test Engineer	Mars Lin, Hank Yang	Configurations	IEEE 802. 11ac MCS0/Nss1 VHT40 CH 6 / Chain 1 + Chain 2
Test Date	Dec. 24, 2014		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 1: 8.8, Chain 2: 5.9, Chain 3: 9 dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	4869.42	50.66	74.00	-23.34	47.41	5.77	33.69	31.17	HORIZONTAL	293	180	Peak
2	4874.06	36.11	54.00	-17.89	32.84	5.77	33.68	31.18	HORIZONTAL	293	180	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	4873.97	57.52	74.00	-16.48	54.25	5.77	33.68	31.18	VERTICAL	28	179	Peak
2	4874.19	42.25	54.00	-11.75	38.98	5.77	33.68	31.18	VERTICAL	28	179	Average

Temperature	23℃	Humidity	61%
Test Engineer	Mars Lin, Hank Yang	Configurations	IEEE 802. 11ac MCS0/Nss1 VHT40 CH 9 / Chain 1 + Chain 2
Test Date	Dec. 24, 2014		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 1: 8.8, Chain 2: 5.9, Chain 3: 9 dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	PreampFactor	AntennaFactor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	4903.04	45.26	74.00	-28.74	41.91	5.79	33.67	31.23	HORIZONTAL	246	100	Peak
2	4910.47	30.95	54.00	-23.05	27.58	5.79	33.67	31.25	HORIZONTAL	246	100	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	PreampFactor	AntennaFactor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	4908.07	31.68	54.00	-22.32	28.33	5.79	33.67	31.23	VERTICAL	349	100	Average
2	4909.67	44.95	74.00	-29.05	41.58	5.79	33.67	31.25	VERTICAL	349	100	Peak

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin, Hank Yang	Configurations	IEEE 802. 11ac MCS0/Nss1 VHT20 CH 1 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 24, 2014		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 1: 8.8, Chain 2: 5.9, Chain 3: 9 dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	4823.90	36.82	54.00	-17.18	33.69	5.74	33.70	31.09	HORIZONTAL	92	191	Average
2	4830.88	44.29	74.00	-29.71	41.14	5.74	33.70	31.11	HORIZONTAL	92	191	Peak
3	7234.94	37.28	54.00	-16.72	28.18	7.16	33.93	35.87	HORIZONTAL	82	188	Average
4	7240.23	50.62	74.00	-23.38	41.50	7.16	33.93	35.89	HORIZONTAL	82	188	Peak
5	12051.54	56.02	74.00	-17.98	42.93	9.27	35.03	38.85	HORIZONTAL	46	144	Peak
6	12052.02	42.89	54.00	-11.11	29.80	9.27	35.03	38.85	HORIZONTAL	46	144	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	4824.24	33.87	54.00	-20.13	30.75	5.74	33.70	31.08	VERTICAL	20	168	Average
2	4831.31	44.57	74.00	-29.43	41.42	5.74	33.70	31.11	VERTICAL	20	168	Peak
3	7232.68	37.27	54.00	-16.73	28.17	7.13	33.93	35.90	VERTICAL	53	160	Average
4	7236.05	52.25	74.00	-21.75	43.12	7.16	33.93	35.90	VERTICAL	53	160	Peak
5	12049.95	42.78	54.00	-11.22	29.68	9.27	35.03	38.86	VERTICAL	96	208	Average
6	12059.47	56.64	74.00	-17.36	43.54	9.27	35.03	38.86	VERTICAL	96	208	Peak

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin, Hank Yang	Configurations	IEEE 802. 11ac MCS0/Nss1 VHT20 CH 6 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 24, 2014		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 1: 8.8, Chain 2: 5.9, Chain 3: 9 dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	4873.86	40.50	54.00	-13.50	37.23	5.77	33.68	31.18	HORIZONTAL	61	163	Average
2	4878.62	46.26	74.00	-27.74	42.98	5.77	33.68	31.19	HORIZONTAL	61	163	Peak
3	7311.63	44.89	54.00	-9.11	35.64	7.19	34.00	36.06	HORIZONTAL	155	210	Average
4	7317.83	57.52	74.00	-16.48	48.27	7.19	34.01	36.07	HORIZONTAL	155	210	Peak
5	12180.72	59.02	74.00	-14.98	45.93	9.36	34.99	38.72	HORIZONTAL	145	193	Peak
6	12182.98	44.00	54.00	-10.00	30.92	9.36	34.99	38.71	HORIZONTAL	145	193	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	4873.23	52.80	74.00	-21.20	49.53	5.77	33.68	31.18	VERTICAL	58	172	Peak
2	4873.95	39.81	54.00	-14.19	36.54	5.77	33.68	31.18	VERTICAL	58	172	Average
3	7310.04	52.36	74.00	-21.64	43.12	7.19	34.00	36.05	VERTICAL	98	194	Peak
4	7313.40	38.50	54.00	-15.50	29.26	7.19	34.00	36.05	VERTICAL	98	194	Average
5	12176.20	56.47	74.00	-17.53	43.39	9.36	35.00	38.72	VERTICAL	120	200	Peak
6	12178.56	42.98	54.00	-11.02	29.89	9.36	34.99	38.72	VERTICAL	120	200	Average

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin, Hank Yang	Configurations	IEEE 802. 11ac MCS0/Nss1 VHT20 CH 11 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 24, 2014		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 1: 8.8, Chain 2: 5.9, Chain 3: 9 dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	4909.14	44.06	74.00	-29.94	40.70	5.79	33.67	31.24	HORIZONTAL	95	157	Peak
2	4924.29	31.20	54.00	-22.80	27.81	5.79	33.67	31.27	HORIZONTAL	95	157	Average
3	7375.04	52.01	74.00	-21.99	42.61	7.25	34.06	36.21	HORIZONTAL	164	215	Peak
4	7400.04	37.99	54.00	-16.01	28.55	7.25	34.08	36.27	HORIZONTAL	164	215	Average
5	12316.83	56.93	74.00	-17.07	43.84	9.46	34.95	38.58	HORIZONTAL	200	190	Peak
6	12317.93	42.95	54.00	-11.05	29.86	9.46	34.95	38.58	HORIZONTAL	200	190	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	4923.90	39.02	54.00	-14.98	35.62	5.79	33.67	31.28	VERTICAL	54	125	Average
2	4930.30	46.77	74.00	-27.23	43.35	5.80	33.66	31.28	VERTICAL	54	125	Peak
3	7389.32	37.99	54.00	-16.01	28.56	7.25	34.07	36.25	VERTICAL	198	200	Average
4	7397.30	52.27	74.00	-21.73	42.85	7.25	34.08	36.25	VERTICAL	198	200	Peak
5	12303.85	57.07	74.00	-16.93	43.96	9.46	34.96	38.61	VERTICAL	100	189	Peak
6	12307.21	43.06	54.00	-10.94	29.95	9.46	34.96	38.61	VERTICAL	100	189	Average

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin, Hank Yang	Configurations	IEEE 802. 11ac MCS0/Nss1 VHT40 CH 3 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 24, 2014		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 1: 8.8, Chain 2: 5.9, Chain 3: 9 dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	4842.37	30.72	54.00	-23.28	27.54	5.75	33.70	31.13	HORIZONTAL	198	244	Average
2	4845.19	43.53	74.00	-30.47	40.34	5.75	33.69	31.13	HORIZONTAL	198	244	Peak
3	7264.41	37.87	54.00	-16.13	28.73	7.16	33.96	35.94	HORIZONTAL	124	217	Average
4	7265.98	50.33	74.00	-23.67	41.18	7.16	33.96	35.95	HORIZONTAL	124	217	Peak
5	12107.79	43.06	54.00	-10.94	29.97	9.32	35.02	38.79	HORIZONTAL	240	162	Average
6	12109.91	55.59	74.00	-18.41	42.50	9.32	35.02	38.79	HORIZONTAL	240	162	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	4842.48	31.43	54.00	-22.57	28.25	5.75	33.70	31.13	VERTICAL	44	158	Average
2	4843.79	45.50	74.00	-28.50	42.32	5.75	33.70	31.13	VERTICAL	44	158	Peak
3	7267.01	37.89	54.00	-16.11	28.74	7.16	33.96	35.95	VERTICAL	223	136	Average
4	7267.10	51.24	74.00	-22.76	42.09	7.16	33.96	35.95	VERTICAL	223	136	Peak
5	12108.77	56.93	74.00	-17.07	43.84	9.32	35.02	38.79	VERTICAL	308	175	Peak
6	12111.99	43.24	54.00	-10.76	30.15	9.32	35.02	38.79	VERTICAL	308	175	Average

Temperature	23℃	Humidity	61%
Test Engineer	Mars Lin, Hank Yang	Configurations	IEEE 802. 11ac MCS0/Nss1 VHT40 CH 6 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 24, 2014		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 1: 8.8, Chain 2: 5.9, Chain 3: 9 dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	4871.68	31.02	54.00	-22.98	27.76	5.77	33.69	31.18	HORIZONTAL	324	264	Average
2	4873.02	44.22	74.00	-29.78	40.95	5.77	33.68	31.18	HORIZONTAL	324	264	Peak
3	7310.03	37.97	54.00	-16.03	28.73	7.19	34.00	36.05	HORIZONTAL	225	196	Average
4	7312.37	51.03	74.00	-22.97	41.78	7.19	34.00	36.06	HORIZONTAL	225	196	Peak
5	12187.24	55.67	74.00	-18.33	42.59	9.36	34.99	38.71	HORIZONTAL	134	149	Peak
6	12187.50	43.12	54.00	-10.88	30.04	9.36	34.99	38.71	HORIZONTAL	134	149	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	4872.07	43.65	74.00	-30.35	40.39	5.77	33.69	31.18	VERTICAL	271	191	Peak
2	4875.23	31.00	54.00	-23.00	27.73	5.77	33.68	31.18	VERTICAL	271	191	Average
3	7309.72	51.84	74.00	-22.16	42.60	7.19	34.00	36.05	VERTICAL	359	129	Peak
4	7312.02	38.67	54.00	-15.33	29.43	7.19	34.00	36.05	VERTICAL	359	129	Average
5	12183.57	56.34	74.00	-17.66	43.25	9.36	34.99	38.72	VERTICAL	272	194	Peak
6	12187.08	43.09	54.00	-10.91	30.00	9.36	34.99	38.72	VERTICAL	272	194	Average

Temperature	23℃	Humidity	61%
Test Engineer	Mars Lin, Hank Yang	Configurations	IEEE 802. 11ac MCS0/Nss1 VHT40 CH 9 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 24, 2014		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 1: 8.8, Chain 2: 5.9, Chain 3: 9 dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	4901.80	43.89	74.00	-30.11	40.54	5.79	33.67	31.23	HORIZONTAL	160	174	Peak
2	4903.46	31.48	54.00	-22.52	28.13	5.79	33.67	31.23	HORIZONTAL	160	174	Average
3	7353.55	38.57	54.00	-15.43	29.23	7.22	34.04	36.16	HORIZONTAL	244	202	Average
4	7358.11	51.75	74.00	-22.25	42.40	7.22	34.04	36.17	HORIZONTAL	244	202	Peak
5	12258.13	57.07	74.00	-16.93	43.99	9.41	34.97	38.64	HORIZONTAL	164	244	Peak
6	12261.69	43.09	54.00	-10.91	30.01	9.41	34.97	38.64	HORIZONTAL	164	244	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	4901.55	31.92	54.00	-22.08	28.57	5.79	33.67	31.23	VERTICAL	131	191	Average
2	4904.02	45.35	74.00	-28.65	42.00	5.79	33.67	31.23	VERTICAL	131	191	Peak
3	7355.50	38.61	54.00	-15.39	29.28	7.22	34.04	36.15	VERTICAL	90	178	Average
4	7355.65	52.44	74.00	-21.56	43.11	7.22	34.04	36.15	VERTICAL	90	178	Peak
5	12259.93	56.22	74.00	-17.78	43.13	9.41	34.97	38.65	VERTICAL	237	181	Peak
6	12261.94	43.48	54.00	-10.52	30.39	9.41	34.97	38.65	VERTICAL	237	181	Average

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, only the frequency range investigated is limited to 100MHz around band edges.

For Radiated Out of Band Emission Measurement:

1. Test was performed in accordance with KDB 558074 D01 v03r02 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

For non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

For beamforming mode:

The EUT was programmed to be in beamforming transmitting mode.

4.6.7. Test Result of Band Edge and Fundamental Emissions

<For Non-Beamforming Mode>

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin, Hank Yang	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 2
Test Date	Dec. 16, 2014		
Test Mode	Mode 1: (Ant.6 Dipole antenna / 5.3 dBi / 1TX)		

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	2389.40	52.81	54.00	-1.19	20.67	4.09	28.05	0.00	Average	250	22	VERTICAL
2	2389.40	61.25	74.00	-12.75	29.11	4.09	28.05	0.00	Peak	250	22	VERTICAL
3	2411.00	116.12			83.92	4.11	28.09	0.00	Peak	250	22	VERTICAL
4	2411.20	112.21			80.01	4.11	28.09	0.00	Average	250	22	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	58.40	74.00	-15.60	26.26	4.09	28.05	0.00	Peak	243	20	VERTICAL
2	2390.00	46.73	54.00	-7.27	14.59	4.09	28.05	0.00	Average	243	20	VERTICAL
3	2436.20	113.71			81.41	4.12	28.18	0.00	Average	243	20	VERTICAL
4	2436.20	117.64			85.34	4.12	28.18	0.00	Peak	243	20	VERTICAL
5	2483.50	47.15	54.00	-6.85	14.73	4.16	28.26	0.00	Average	243	20	VERTICAL
6	2484.20	58.81	74.00	-15.19	26.39	4.16	28.26	0.00	Peak	243	20	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	111.52			79.16	4.14	28.22	0.00	Average	255	18	VERTICAL
2	2461.20	115.40			83.04	4.14	28.22	0.00	Peak	255	18	VERTICAL
3	2483.50	52.88	54.00	-1.12	20.46	4.16	28.26	0.00	Average	255	18	VERTICAL
4	2483.80	61.46	74.00	-12.54	29.04	4.16	28.26	0.00	Peak	255	18	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin, Hank Yang	Configurations	IEEE 802. 11ac MCS0/Nss1 VHT20 CH 1, 6, 11 / Chain 2
Test date	Dec. 16, 2014		
Test Mode	Mode 1: (Ant.6 Dipole antenna / 5.3 dBi / 1TX)		

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	2389.60	70.64	74.00	-3.36	38.50	4.09	28.05	0.00	Peak	247	16	VERTICAL
2	2390.00	52.73	54.00	-1.27	20.59	4.09	28.05	0.00	Average	247	16	VERTICAL
3	2410.20	112.00			79.80	4.11	28.09	0.00	Peak	247	16	VERTICAL
4	2410.60	101.42			69.22	4.11	28.09	0.00	Average	247	16	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	2382.60	68.85	74.00	-5.15	36.76	4.08	28.01	0.00	Peak	261	22	VERTICAL
2	2390.00	52.72	54.00	-1.28	20.58	4.09	28.05	0.00	Average	261	22	VERTICAL
3	2434.60	107.61			75.31	4.12	28.18	0.00	Average	261	22	VERTICAL
4	2436.20	118.00			85.70	4.12	28.18	0.00	Peak	261	22	VERTICAL
5	2483.50	50.59	54.00	-3.41	18.17	4.16	28.26	0.00	Average	261	22	VERTICAL
6	2483.50	64.55	74.00	-9.45	32.13	4.16	28.26	0.00	Peak	261	22	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	2460.20	100.41			68.05	4.14	28.22	0.00	Average	256	22	VERTICAL
2	2462.00	111.66			79.30	4.14	28.22	0.00	Peak	256	22	VERTICAL
3	2483.50	50.42	54.00	-3.58	18.00	4.16	28.26	0.00	Average	256	22	VERTICAL
4	2484.60	72.97	74.00	-1.03	40.55	4.16	28.26	0.00	Peak	256	22	VERTICAL

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

Temperature	23℃	Humidity	61%
Test Engineer	Mars Lin, Hank Yang	Configurations	IEEE 802. 11ac MCS0/Nss1 VHT40 CH 3, 6, 9 / Chain 2
Test date	Dec. 17, 2014		
Test Mode	Mode 1: (Ant.6 Dipole antenna / 5.3 dBi / 1TX)		

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	2388.80	70.02	74.00	-3.98	37.88	4.09	28.05	0.00	Peak	249	16	VERTICAL
2	2390.00	53.00	54.00	-1.00	20.86	4.09	28.05	0.00	Average	249	16	VERTICAL
3	2424.40	110.55			78.30	4.12	28.13	0.00	Peak	249	16	VERTICAL
4	2426.80	100.20			67.95	4.12	28.13	0.00	Average	249	16	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	2390.00	52.85	54.00	-1.15	20.71	4.09	28.05	0.00	Average	260	21	VERTICAL
2	2390.00	70.61	74.00	-3.39	38.47	4.09	28.05	0.00	Peak	260	21	VERTICAL
3	2431.00	111.94			79.69	4.12	28.13	0.00	Peak	260	21	VERTICAL
4	2433.00	101.57			69.32	4.12	28.13	0.00	Average	260	21	VERTICAL
5	2483.50	68.68	74.00	-5.32	36.26	4.16	28.26	0.00	Peak	260	21	VERTICAL
6	2483.80	50.59	54.00	-3.41	18.17	4.16	28.26	0.00	Average	260	21	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	2434.80	99.44			67.14	4.12	28.18	0.00	Average	263	20	VERTICAL
2	2435.60	109.03			76.73	4.12	28.18	0.00	Peak	263	20	VERTICAL
3	2483.50	52.97	54.00	-1.03	20.55	4.16	28.26	0.00	Average	263	20	VERTICAL
4	2483.50	72.12	74.00	-1.88	39.70	4.16	28.26	0.00	Peak	263	20	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin, Hank Yang	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1 + Chain 2
Test Date	Dec. 17, 2014		
Test Mode	Mode 1: (Ant.6 Dipole antenna / 5.3 dBi / 2TX)		

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	2386.40	61.82	74.00	-12.18	29.68	4.09	28.05	0.00	Peak	250	326	VERTICAL
2	2389.20	52.55	54.00	-1.45	20.41	4.09	28.05	0.00	Average	250	326	VERTICAL
3	2411.20	116.88			84.68	4.11	28.09	0.00	Average	250	326	VERTICAL
4	2411.20	120.75			88.55	4.11	28.09	0.00	Peak	250	326	VERTICAL
5	2487.60	52.97	54.00	-1.03	20.50	4.17	28.30	0.00	Average	250	326	VERTICAL
6	2487.60	62.02	74.00	-11.98	29.55	4.17	28.30	0.00	Peak	250	326	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	2390.00	48.25	54.00	-5.75	16.11	4.09	28.05	0.00	Average	241	334	VERTICAL
2	2390.00	60.00	74.00	-14.00	27.86	4.09	28.05	0.00	Peak	241	334	VERTICAL
3	2436.20	118.43			86.13	4.12	28.18	0.00	Average	241	334	VERTICAL
4	2436.20	122.47			90.17	4.12	28.18	0.00	Peak	241	334	VERTICAL
5	2483.50	48.72	54.00	-5.28	16.30	4.16	28.26	0.00	Average	241	334	VERTICAL
6	2483.50	61.48	74.00	-12.52	29.06	4.16	28.26	0.00	Peak	241	334	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	2382.80	61.75	74.00	-12.25	29.66	4.08	28.01	0.00	Peak	236	329	VERTICAL
2	2383.60	52.92	54.00	-1.08	20.79	4.08	28.05	0.00	Average	236	329	VERTICAL
3	2461.20	114.83			82.47	4.14	28.22	0.00	Average	236	329	VERTICAL
4	2461.20	118.69			86.33	4.14	28.22	0.00	Peak	236	329	VERTICAL
5	2483.50	50.38	54.00	-3.62	17.96	4.16	28.26	0.00	Average	236	329	VERTICAL
6	2493.20	60.63	74.00	-13.37	28.16	4.17	28.30	0.00	Peak	236	329	VERTICAL

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

Temperature	23℃	Humidity	61%
Test Engineer	Mars Lin, Hank Yang	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1 + Chain 2 + + Chain 3
Test Date	Dec. 17, 2014		
Test Mode	Mode 1: (Ant.6 Dipole antenna / 5.3 dBi / 3TX)		

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	2411.20	115.74			83.54	4.11	28.09	0.00	Average	253	316	VERTICAL
2	2412.80	119.68			87.48	4.11	28.09	0.00	Peak	253	316	VERTICAL
3	2490.80	62.29	74.00	-11.71	29.82	4.17	28.30	0.00	Peak	253	316	VERTICAL
4	2491.20	53.00	54.00	-1.00	20.53	4.17	28.30	0.00	Average	253	316	VERTICAL

Item 1, 2 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	2389.40	60.36	74.00	-13.64	28.22	4.09	28.05	0.00	Peak	244	318	VERTICAL
2	2390.00	48.95	54.00	-5.05	16.81	4.09	28.05	0.00	Average	244	318	VERTICAL
3	2437.80	120.59			88.28	4.13	28.18	0.00	Average	244	318	VERTICAL
4	2438.20	124.70			92.39	4.13	28.18	0.00	Peak	244	318	VERTICAL
5	2483.50	50.01	54.00	-3.99	17.59	4.16	28.26	0.00	Average	244	318	VERTICAL
6	2492.20	61.69	74.00	-12.31	29.22	4.17	28.30	0.00	Peak	244	318	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	2383.60	52.95	54.00	-1.05	20.82	4.08	28.05	0.00	Average	257	321	VERTICAL
2	2384.00	61.09	74.00	-12.91	28.96	4.08	28.05	0.00	Peak	257	321	VERTICAL
3	2461.20	114.42			82.06	4.14	28.22	0.00	Average	257	321	VERTICAL
4	2462.80	118.45			86.09	4.14	28.22	0.00	Peak	257	321	VERTICAL
5	2493.20	49.12	54.00	-4.88	16.65	4.17	28.30	0.00	Average	257	321	VERTICAL
6	2499.60	59.36	74.00	-14.64	26.89	4.17	28.30	0.00	Peak	257	321	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin, Hank Yang	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 2
Test Date	Dec. 13, 2014		
Test Mode	Mode 2: (Ant.7 Panel antenna / 6.5 dBi / 1TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2389.13	53.00	54.00	-1.00	18.97	6.13	0.00	27.90	VERTICAL	322	198	Average
2	2389.42	62.77	74.00	-11.23	28.74	6.13	0.00	27.90	VERTICAL	322	198	Peak
3	2411.13	111.34			77.27	6.17	0.00	27.90	VERTICAL	322	198	Average
4	2411.13	114.35			80.28	6.17	0.00	27.90	VERTICAL	322	198	Peak

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2388.26	62.06	74.00	-11.94	28.03	6.13	0.00	27.90	VERTICAL	316	164	Peak
2	2390.00	47.45	54.00	-6.55	13.42	6.13	0.00	27.90	VERTICAL	316	164	Average
3	2436.13	112.94			78.83	6.21	0.00	27.90	VERTICAL	316	164	Average
4	2436.13	115.79			81.68	6.21	0.00	27.90	VERTICAL	316	164	Peak
5	2485.82	62.28	74.00	-11.72	28.08	6.30	0.00	27.90	VERTICAL	316	164	Peak
6	2513.89	49.25	54.00	-4.75	14.94	6.35	0.00	27.96	VERTICAL	316	164	Average

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

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2382.47	61.46	74.00	-12.54	27.44	6.12	0.00	27.90	VERTICAL	33	190	Peak
2	2383.63	50.37	54.00	-3.63	16.35	6.12	0.00	27.90	VERTICAL	33	190	Average
3	2462.58	110.13			75.97	6.26	0.00	27.90	VERTICAL	33	190	Average
4	2463.16	112.87			78.71	6.26	0.00	27.90	VERTICAL	33	190	Peak
5	2483.50	52.87	54.00	-1.13	18.67	6.30	0.00	27.90	VERTICAL	33	190	Average
6	2483.79	63.97	74.00	-10.03	29.77	6.30	0.00	27.90	VERTICAL	33	190	Peak

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

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin, Hank Yang	Configurations	IEEE 802. 11ac MCS0/Nss1 VHT20 CH 1, 6, 11 / Chain 2
Test date	Dec. 13, 2014		
Test Mode	Mode 2: (Ant.7 Panel antenna / 6.5 dBi / 1TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2389.28	76.51	74.00	2.51	42.48	6.13	0.00	27.90	VERTICAL	322	188	Peak
2	2390.00	52.31	54.00	-1.69	18.28	6.13	0.00	27.90	VERTICAL	322	188	Average
3	2408.53	112.32			78.25	6.17	0.00	27.90	VERTICAL	322	188	Peak
4	2410.70	100.59			66.52	6.17	0.00	27.90	VERTICAL	322	188	Average

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2390.00	52.24	54.00	-1.76	18.21	6.13	0.00	27.90	VERTICAL	326	196	Average
2	2390.00	70.22	74.00	-3.78	36.19	6.13	0.00	27.90	VERTICAL	326	196	Peak
3	2436.13	117.07			82.96	6.21	0.00	27.90	VERTICAL	326	196	Peak
4	2438.45	105.46			71.34	6.22	0.00	27.90	VERTICAL	326	196	Average
5	2483.50	52.41	54.00	-1.59	18.21	6.30	0.00	27.90	VERTICAL	326	196	Average
6	2483.79	69.04	74.00	-4.96	34.84	6.30	0.00	27.90	VERTICAL	326	196	Peak

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

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2463.16	99.18			65.02	6.26	0.00	27.90	VERTICAL	317	186	Average
2	2464.03	111.02			76.86	6.26	0.00	27.90	VERTICAL	317	186	Peak
3	2483.50	52.41	54.00	-1.59	18.21	6.30	0.00	27.90	VERTICAL	317	186	Average
4	2483.50	76.47	74.00	2.47	42.27	6.30	0.00	27.90	VERTICAL	317	186	Peak

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

Temperature	23℃	Humidity	61%
Test Engineer	Mars Lin, Hank Yang	Configurations	IEEE 802. 11ac MCS0/Nss1 VHT40 CH 3, 6, 9 / Chain 2
Test date	Dec. 13, 2014		
Test Mode	Mode 2: (Ant.7 Panel antenna / 6.5 dBi / 1TX)		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2389.13	72.50	74.00	-1.50	38.47	6.13	0.00	27.90	VERTICAL	325	163	Peak
2	2389.71	52.76	54.00	-1.24	18.73	6.13	0.00	27.90	VERTICAL	325	163	Average
3	2426.34	98.99			64.89	6.20	0.00	27.90	VERTICAL	325	163	Average
4	2426.92	109.20			75.10	6.20	0.00	27.90	VERTICAL	325	163	Peak

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2387.11	68.16	74.00	-5.84	34.13	6.13	0.00	27.90	VERTICAL	316	194	Peak
2	2390.00	52.35	54.00	-1.65	18.32	6.13	0.00	27.90	VERTICAL	316	194	Average
3	2431.79	98.81			64.70	6.21	0.00	27.90	VERTICAL	316	194	Average
4	2441.34	109.05			74.93	6.22	0.00	27.90	VERTICAL	316	194	Peak
5	2483.50	52.58	54.00	-1.42	18.38	6.30	0.00	27.90	VERTICAL	316	194	Average
6	2483.50	69.67	74.00	-4.33	35.47	6.30	0.00	27.90	VERTICAL	316	194	Peak

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

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2439.26	96.44			62.32	6.22	0.00	27.90	VERTICAL	324	190	Average
2	2447.08	106.73			72.60	6.23	0.00	27.90	VERTICAL	324	190	Peak
3	2484.08	52.91	54.00	-1.09	18.71	6.30	0.00	27.90	VERTICAL	324	190	Average
4	2486.39	72.07	74.00	-1.93	37.87	6.30	0.00	27.90	VERTICAL	324	190	Peak

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

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin, Hank Yang	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1 + Chain 2
Test Date	Dec. 13, 2014		
Test Mode	Mode 2: (Ant.7 Panel antenna / 6.5 dBi / 2TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2389.13	52.91	54.00	-1.09	18.88	6.13	0.00	27.90	VERTICAL	312	258	Average
2	2390.00	63.73	74.00	-10.27	29.70	6.13	0.00	27.90	VERTICAL	312	258	Peak
3	2411.13	113.57			79.50	6.17	0.00	27.90	VERTICAL	312	258	Average
4	2411.42	116.44			82.37	6.17	0.00	27.90	VERTICAL	312	258	Peak
5	2490.74	62.93	74.00	-11.07	28.72	6.31	0.00	27.90	VERTICAL	312	258	Peak
6	2491.31	52.31	54.00	-1.69	18.10	6.31	0.00	27.90	VERTICAL	312	258	Average

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2387.11	61.84	74.00	-12.16	27.81	6.13	0.00	27.90	VERTICAL	312	232	Peak
2	2390.00	47.81	54.00	-6.19	13.78	6.13	0.00	27.90	VERTICAL	312	232	Average
3	2436.13	119.30			85.19	6.21	0.00	27.90	VERTICAL	312	232	Peak
4	2437.87	116.44			82.32	6.22	0.00	27.90	VERTICAL	312	232	Average
5	2484.37	64.80	74.00	-9.20	30.60	6.30	0.00	27.90	VERTICAL	312	232	Peak
6	2513.31	50.10	54.00	-3.90	15.79	6.35	0.00	27.96	VERTICAL	312	232	Average

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

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2382.76	51.71	54.00	-2.29	17.69	6.12	0.00	27.90	VERTICAL	311	252	Average
2	2383.63	61.80	74.00	-12.20	27.78	6.12	0.00	27.90	VERTICAL	311	252	Peak
3	2462.87	114.43			80.27	6.26	0.00	27.90	VERTICAL	311	252	Average
4	2463.16	117.15			82.99	6.26	0.00	27.90	VERTICAL	311	252	Peak
5	2483.50	52.65	54.00	-1.35	18.45	6.30	0.00	27.90	VERTICAL	311	252	Average
6	2483.50	63.47	74.00	-10.53	29.27	6.30	0.00	27.90	VERTICAL	311	252	Peak

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

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin, Hank Yang	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1 + Chain 2 + + Chain 3
Test Date	Dec. 13, 2014		
Test Mode	Mode 2: (Ant.7 Panel antenna / 6.5 dBi / 3TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2389.86	52.87	54.00	-1.13	18.84	6.13	0.00	27.90	VERTICAL	360	230	Average
2	2390.00	64.05	74.00	-9.95	30.02	6.13	0.00	27.90	VERTICAL	360	230	Peak
3	2412.72	115.33			81.26	6.17	0.00	27.90	VERTICAL	360	230	Average
4	2412.87	118.17			84.10	6.17	0.00	27.90	VERTICAL	360	230	Peak

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2389.42	61.91	74.00	-12.09	27.88	6.13	0.00	27.90	VERTICAL	50	164	Peak
2	2390.00	48.31	54.00	-5.69	14.28	6.13	0.00	27.90	VERTICAL	50	164	Average
3	2436.13	117.67			83.56	6.21	0.00	27.90	VERTICAL	50	164	Average
4	2436.13	120.58			86.47	6.21	0.00	27.90	VERTICAL	50	164	Peak
5	2483.50	50.05	54.00	-3.95	15.85	6.30	0.00	27.90	VERTICAL	50	164	Average
6	2486.97	63.51	74.00	-10.49	29.31	6.30	0.00	27.90	VERTICAL	50	164	Peak

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

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2383.05	62.29	74.00	-11.71	28.27	6.12	0.00	27.90	VERTICAL	50	147	Peak
2	2384.21	51.00	54.00	-3.00	16.98	6.12	0.00	27.90	VERTICAL	50	147	Average
3	2461.13	115.75			81.59	6.26	0.00	27.90	VERTICAL	50	147	Average
4	2461.42	118.54			84.38	6.26	0.00	27.90	VERTICAL	50	147	Peak
5	2486.10	64.12	74.00	-9.88	29.92	6.30	0.00	27.90	VERTICAL	50	147	Peak
6	2486.39	52.33	54.00	-1.67	18.13	6.30	0.00	27.90	VERTICAL	50	147	Average

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

Temperature	23℃	Humidity	61%
Test Engineer	Mars Lin, Hank Yang	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1
Test Date	Dec. 23, 2014		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 1: 8.8, Chain 2: 5.9, Chain 3: 9 dBi / 1TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2389.24	52.29	54.00	-1.71	21.27	3.99	0.00	27.03	VERTICAL	6	196	Average
2	2389.89	61.48	74.00	-12.52	30.46	3.99	0.00	27.03	VERTICAL	6	196	Peak
3	2411.04	115.82			84.73	4.01	0.00	27.08	VERTICAL	6	196	Peak
4	2411.20	112.14			81.03	4.01	0.00	27.10	VERTICAL	6	196	Average

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2390.00	45.91	54.00	-8.09	14.88	3.99	0.00	27.04	HORIZONTAL	18	151	Average
2	2390.00	57.42	74.00	-16.58	26.39	3.99	0.00	27.04	HORIZONTAL	18	151	Peak
3	2436.04	110.94			79.76	4.03	0.00	27.15	HORIZONTAL	18	151	Peak
4	2436.20	107.14			75.96	4.03	0.00	27.15	HORIZONTAL	18	151	Average
5	2483.50	46.78	54.00	-7.22	15.45	4.07	0.00	27.26	HORIZONTAL	18	151	Average
6	2485.08	60.40	74.00	-13.60	29.06	4.07	0.00	27.27	HORIZONTAL	18	151	Peak

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

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2462.80	112.61			81.34	4.05	0.00	27.22	VERTICAL	331	150	Average
2	2462.96	116.75			85.48	4.05	0.00	27.22	VERTICAL	331	150	Peak
3	2483.50	51.62	54.00	-2.38	20.28	4.07	0.00	27.27	VERTICAL	331	150	Average
4	2483.50	62.49	74.00	-11.51	31.15	4.07	0.00	27.27	VERTICAL	331	150	Peak

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

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin, Hank Yang	Configurations	IEEE 802. 11ac MCS0/Nss1 VHT20 CH 1, 6, 11 / Chain 1
Test date	Dec. 24, 2014		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 1: 8.8, Chain 2: 5.9, Chain 3: 9 dBi / 1TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2389.36	72.52	74.00	-1.48	41.50	3.99	0.00	27.03	VERTICAL	9	202	Peak
2	2390.00	52.18	54.00	-1.82	21.16	3.99	0.00	27.03	VERTICAL	9	202	Average
3	2410.88	101.85			70.76	4.01	0.00	27.08	VERTICAL	9	202	Average
4	2414.89	113.75			82.64	4.01	0.00	27.10	VERTICAL	9	202	Peak

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2386.04	68.25	74.00	-5.75	37.23	3.99	0.00	27.03	VERTICAL	338	182	Peak
2	2390.00	51.69	54.00	-2.31	20.67	3.99	0.00	27.03	VERTICAL	338	182	Average
3	2436.60	113.83			82.65	4.03	0.00	27.15	VERTICAL	338	182	Average
4	2441.49	118.57			87.37	4.04	0.00	27.16	VERTICAL	338	182	Peak
5	2483.50	52.64	54.00	-1.36	21.30	4.07	0.00	27.27	VERTICAL	338	182	Average
6	2484.12	68.26	74.00	-5.74	36.92	4.07	0.00	27.27	VERTICAL	338	182	Peak

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

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2464.40	102.05			70.78	4.05	0.00	27.22	VERTICAL	330	151	Average
2	2466.33	112.96			81.69	4.05	0.00	27.22	VERTICAL	330	151	Peak
3	2483.50	51.32	54.00	-2.68	19.98	4.07	0.00	27.27	VERTICAL	330	151	Average
4	2483.64	72.83	74.00	-1.17	41.49	4.07	0.00	27.27	VERTICAL	330	151	Peak

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

Temperature	23℃	Humidity	61%
Test Engineer	Mars Lin, Hank Yang	Configurations	IEEE 802. 11ac MCS0/Nss1 VHT40 CH 3, 6, 9 / Chain 1
Test date	Dec. 24, 2014, Dec. 25, 2014		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 1: 8.8, Chain 2: 5.9, Chain 3: 9 dBi / 1TX)		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2387.76	72.57	74.00	-1.43	41.55	3.99	0.00	27.03	VERTICAL	0	181	Peak
2	2390.00	52.48	54.00	-1.52	21.46	3.99	0.00	27.03	VERTICAL	0	181	Average
3	2426.17	110.50			79.34	4.03	0.00	27.13	VERTICAL	0	181	Peak
4	2426.81	97.06			65.90	4.03	0.00	27.13	VERTICAL	0	181	Average

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2387.64	66.38	74.00	-7.62	35.36	3.99	0.00	27.03	VERTICAL	330	184	Peak
2	2390.00	51.00	54.00	-3.00	19.98	3.99	0.00	27.03	VERTICAL	330	184	Average
3	2442.13	100.47			69.27	4.04	0.00	27.16	VERTICAL	330	184	Average
4	2447.58	110.66			79.44	4.04	0.00	27.18	VERTICAL	330	184	Peak
5	2483.50	52.29	54.00	-1.71	20.95	4.07	0.00	27.27	VERTICAL	330	184	Average
6	2483.80	69.48	74.00	-4.52	38.14	4.07	0.00	27.27	VERTICAL	330	184	Peak

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

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2455.85	97.59			66.34	4.05	0.00	27.20	VERTICAL	0	169	Average
2	2465.14	109.01			77.74	4.05	0.00	27.22	VERTICAL	0	169	Peak
3	2483.50	52.45	54.00	-1.55	21.11	4.07	0.00	27.27	VERTICAL	0	169	Average
4	2484.46	72.77	74.00	-1.23	41.43	4.07	0.00	27.27	VERTICAL	0	169	Peak

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

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin, Hank Yang	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1 + Chain 2
Test Date	Dec. 24, 2014		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 1: 8.8, Chain 2: 5.9, Chain 3: 9 dBi / 2TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2389.08	61.78	74.00	-12.22	30.76	3.99	0.00	27.03	VERTICAL	360	153	Peak
2	2390.00	52.42	54.00	-1.58	21.40	3.99	0.00	27.03	VERTICAL	360	153	Average
3	2411.36	112.66			81.55	4.01	0.00	27.10	VERTICAL	360	153	Average
4	2412.96	116.17			85.06	4.01	0.00	27.10	VERTICAL	360	153	Peak

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2390.00	47.40	54.00	-6.60	16.38	3.99	0.00	27.03	VERTICAL	319	187	Average
2	2390.00	59.84	74.00	-14.16	28.82	3.99	0.00	27.03	VERTICAL	319	187	Peak
3	2437.96	118.59			87.41	4.03	0.00	27.15	VERTICAL	319	187	Peak
4	2438.28	114.63			83.45	4.03	0.00	27.15	VERTICAL	319	187	Average
5	2496.30	61.14	74.00	-12.86	29.76	4.08	0.00	27.30	VERTICAL	319	187	Peak
6	2513.31	49.38	54.00	-4.62	17.95	4.09	0.00	27.34	VERTICAL	319	187	Average

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

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2462.80	112.90			81.63	4.05	0.00	27.22	VERTICAL	325	152	Average
2	2462.96	116.82			85.55	4.05	0.00	27.22	VERTICAL	325	152	Peak
3	2483.96	62.64	74.00	-11.36	31.30	4.07	0.00	27.27	VERTICAL	325	152	Peak
4	2486.20	52.17	54.00	-1.83	20.82	4.08	0.00	27.27	VERTICAL	325	152	Average

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

Temperature	23℃	Humidity	61%
Test Engineer	Mars Lin, Hank Yang	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1 + Chain 2 + + Chain 3
Test Date	Dec. 24, 2014, Dec. 25, 2014		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 1: 8.8, Chain 2: 5.9, Chain 3: 9 dBi / 3TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2390.00	47.55	54.00	-6.45	16.53	3.99	0.00	27.03	VERTICAL	0	153	Average
2	2390.00	57.59	74.00	-16.41	26.57	3.99	0.00	27.03	VERTICAL	0	153	Peak
3	2411.04	113.58			82.49	4.01	0.00	27.08	VERTICAL	0	153	Average
4	2411.36	117.33			86.22	4.01	0.00	27.10	VERTICAL	0	153	Peak
5	2487.64	63.01	74.00	-10.99	31.66	4.08	0.00	27.27	VERTICAL	0	153	Peak
6	2491.49	52.74	54.00	-1.26	21.38	4.08	0.00	27.28	VERTICAL	0	153	Average

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2389.56	59.42	74.00	-14.58	28.40	3.99	0.00	27.03	VERTICAL	360	167	Peak
2	2390.00	48.99	54.00	-5.01	17.97	3.99	0.00	27.03	VERTICAL	360	167	Average
3	2436.04	124.52			93.34	4.03	0.00	27.15	VERTICAL	360	167	Peak
4	2436.20	120.67			89.49	4.03	0.00	27.15	VERTICAL	360	167	Average
5	2483.50	51.15	54.00	-2.85	19.81	4.07	0.00	27.27	VERTICAL	360	167	Average
6	2485.88	63.88	74.00	-10.12	32.53	4.08	0.00	27.27	VERTICAL	360	167	Peak

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

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2461.20	117.76			86.49	4.05	0.00	27.22	VERTICAL	358	170	Average
2	2462.96	121.48			90.21	4.05	0.00	27.22	VERTICAL	358	170	Peak
3	2483.50	52.59	54.00	-1.41	21.25	4.07	0.00	27.27	VERTICAL	358	170	Average
4	2499.98	64.51	74.00	-9.49	33.13	4.08	0.00	27.30	VERTICAL	358	170	Peak

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

<For Beamforming Mode>

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin, Hank Yang	Configurations	IEEE 802. 11ac MCS0/Nss1 VHT20 CH 1, 6, 11 / Chain 1 + Chain 2
Test date	Dec. 17, 2014		
Test Mode	Mode 1: (Ant.6 Dipole antenna / 5.3 dBi / 2TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2386.80	71.44	74.00	-2.56	40.42	3.99	0.00	27.03	VERTICAL	2	254	Peak
2	2390.00	52.21	54.00	-1.79	21.19	3.99	0.00	27.03	VERTICAL	2	254	Average
3	2411.04	107.09			76.00	4.01	0.00	27.08	VERTICAL	2	254	Average
4	2413.04	118.07			86.96	4.01	0.00	27.10	VERTICAL	2	254	Peak
5	2487.35	50.76	54.00	-3.24	19.41	4.08	0.00	27.27	VERTICAL	2	254	Average
6	2487.67	61.23	74.00	-12.77	29.88	4.08	0.00	27.27	VERTICAL	2	254	Peak

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2389.68	52.77	54.00	-1.23	21.75	3.99	0.00	27.03	VERTICAL	335	265	Average
2	2390.00	69.71	74.00	-4.29	38.69	3.99	0.00	27.03	VERTICAL	335	265	Peak
3	2436.04	120.92			89.74	4.03	0.00	27.15	VERTICAL	335	265	Peak
4	2436.36	116.63			85.45	4.03	0.00	27.15	VERTICAL	335	265	Average
5	2483.50	52.37	54.00	-1.63	21.03	4.07	0.00	27.27	VERTICAL	335	265	Average
6	2484.14	66.11	74.00	-7.89	34.77	4.07	0.00	27.27	VERTICAL	335	265	Peak

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

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2463.28	109.62			78.35	4.05	0.00	27.22	VERTICAL	179	270	Average
2	2469.37	116.00			84.72	4.05	0.00	27.23	VERTICAL	179	270	Peak
3	2483.50	52.64	54.00	-1.36	21.30	4.07	0.00	27.27	VERTICAL	179	270	Average
4	2483.50	71.09	74.00	-2.91	39.75	4.07	0.00	27.27	VERTICAL	179	270	Peak

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

Temperature	23℃	Humidity	61%
Test Engineer	Mars Lin, Hank Yang	Configurations	IEEE 802. 11ac MCS0/Nss1 VHT40 CH 3, 6, 9 / Chain 1 + Chain 2
Test date	Dec. 17, 2014		
Test Mode	Mode 1: (Ant.6 Dipole antenna / 5.3 dBi / 2TX)		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	PreampFactor	AntennaFactor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2384.55	67.87	74.00	-6.13	36.85	3.99	0.00	27.03	VERTICAL	169	239	Peak
2	2389.36	52.89	54.00	-1.11	21.87	3.99	0.00	27.03	VERTICAL	169	239	Average
3	2414.63	106.38			75.27	4.01	0.00	27.10	VERTICAL	169	239	Average
4	2428.73	112.11			80.95	4.03	0.00	27.13	VERTICAL	169	239	Peak

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	PreampFactor	AntennaFactor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2387.76	66.72	74.00	-7.28	35.70	3.99	0.00	27.03	VERTICAL	13	251	Peak
2	2390.00	52.79	54.00	-1.21	21.77	3.99	0.00	27.03	VERTICAL	13	251	Average
3	2426.10	103.72			72.56	4.03	0.00	27.13	VERTICAL	13	251	Average
4	2443.41	113.29			82.09	4.04	0.00	27.16	VERTICAL	13	251	Peak
5	2483.50	50.26	54.00	-3.74	18.92	4.07	0.00	27.27	VERTICAL	13	251	Average
6	2485.42	66.73	74.00	-7.27	35.39	4.07	0.00	27.27	VERTICAL	13	251	Peak

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

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	PreampFactor	AntennaFactor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2445.27	106.89			75.69	4.04	0.00	27.16	VERTICAL	184	274	Average
2	2456.81	112.10			80.85	4.05	0.00	27.20	VERTICAL	184	274	Peak
3	2483.50	52.73	54.00	-1.27	21.39	4.07	0.00	27.27	VERTICAL	184	274	Average
4	2484.46	72.85	74.00	-1.15	41.51	4.07	0.00	27.27	VERTICAL	184	274	Peak

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

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin, Hank Yang	Configurations	IEEE 802. 11ac MCS0/Nss1 VHT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3
Test date	Dec. 17, 2014		
Test Mode	Mode 1: (Ant.6 Dipole antenna / 5.3 dBi / 3TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2390.00	48.14	54.00	-5.86	17.12	3.99	0.00	27.03	VERTICAL	321	277	Average
2	2390.00	59.33	74.00	-14.67	28.31	3.99	0.00	27.03	VERTICAL	321	277	Peak
3	2411.04	113.17			82.08	4.01	0.00	27.08	VERTICAL	321	277	Peak
4	2416.17	104.88			73.77	4.01	0.00	27.10	VERTICAL	321	277	Average
5	2487.35	62.16	74.00	-11.84	30.81	4.08	0.00	27.27	VERTICAL	321	277	Peak
6	2487.44	52.60	54.00	-1.40	21.25	4.08	0.00	27.27	VERTICAL	321	277	Average

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2389.68	72.30	74.00	-1.70	41.28	3.99	0.00	27.03	VERTICAL	330	276	Peak
2	2390.00	52.13	54.00	-1.87	21.11	3.99	0.00	27.03	VERTICAL	330	276	Average
3	2436.36	116.93			85.75	4.03	0.00	27.15	VERTICAL	330	276	Average
4	2440.21	122.97			91.77	4.04	0.00	27.16	VERTICAL	330	276	Peak
5	2485.10	66.96	74.00	-7.04	35.62	4.07	0.00	27.27	VERTICAL	330	276	Peak
6	2509.14	52.81	54.00	-1.19	21.40	4.09	0.00	27.32	VERTICAL	330	276	Average

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

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2390.00	50.10	54.00	-3.90	19.08	3.99	0.00	27.03	VERTICAL	138	250	Average
2	2390.00	60.60	74.00	-13.40	29.58	3.99	0.00	27.03	VERTICAL	138	250	Peak
3	2454.63	107.45			76.20	4.05	0.00	27.20	VERTICAL	138	250	Average
4	2455.91	116.35			85.10	4.05	0.00	27.20	VERTICAL	138	250	Peak
5	2483.50	52.83	54.00	-1.17	21.49	4.07	0.00	27.27	VERTICAL	138	250	Average
6	2484.14	71.93	74.00	-2.07	40.59	4.07	0.00	27.27	VERTICAL	138	250	Peak

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

Temperature	23℃	Humidity	61%
Test Engineer	Mars Lin, Hank Yang	Configurations	IEEE 802. 11ac MCS0/Nss1 VHT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3
Test date	Dec. 17, 2014		
Test Mode	Mode 1: (Ant.6 Dipole antenna / 5.3 dBi / 3TX)		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	PreampFactor	AntennaFactor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2388.40	52.61	54.00	-1.39	21.59	3.99	0.00	27.03	VERTICAL	332	250	Average
2	2388.40	65.65	74.00	-8.35	34.63	3.99	0.00	27.03	VERTICAL	332	250	Peak
3	2413.35	105.84			74.73	4.01	0.00	27.10	VERTICAL	332	250	Average
4	2425.53	112.74			81.58	4.03	0.00	27.13	VERTICAL	332	250	Peak

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	PreampFactor	AntennaFactor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2386.80	66.19	74.00	-7.81	35.17	3.99	0.00	27.03	VERTICAL	328	265	Peak
2	2390.00	52.88	54.00	-1.12	21.86	3.99	0.00	27.03	VERTICAL	328	265	Average
3	2426.42	109.15			77.99	4.03	0.00	27.13	VERTICAL	328	265	Average
4	2429.31	114.38			83.22	4.03	0.00	27.13	VERTICAL	328	265	Peak
5	2483.82	71.62	74.00	-2.38	40.28	4.07	0.00	27.27	VERTICAL	328	265	Peak
6	2504.33	51.66	54.00	-2.34	20.25	4.09	0.00	27.32	VERTICAL	328	265	Average

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

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	PreampFactor	AntennaFactor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2445.59	107.04			75.84	4.04	0.00	27.16	VERTICAL	4	279	Average
2	2446.23	113.04			81.84	4.04	0.00	27.16	VERTICAL	4	279	Peak
3	2483.50	52.76	54.00	-1.24	21.42	4.07	0.00	27.27	VERTICAL	4	279	Average
4	2492.47	69.19	74.00	-4.81	37.83	4.08	0.00	27.28	VERTICAL	4	279	Peak

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

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin, Hank Yang	Configurations	IEEE 802. 11ac MCS0/Nss1 VHT20 CH 1, 6, 11 / Chain 1 + Chain 2
Test date	Dec. 15, 2014, Dec. 16, 2015		
Test Mode	Mode 2: (Ant.7 Panel antenna / 6.5 dBi / 2TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	PreampFactor	AntennaFactor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2390.00	52.50	54.00	-1.50	21.48	3.99	0.00	27.03	VERTICAL	35	207	Average
2	2390.00	71.99	74.00	-2.01	40.97	3.99	0.00	27.03	VERTICAL	35	207	Peak
3	2410.84	104.81			73.72	4.01	0.00	27.08	VERTICAL	35	207	Average
4	2415.47	115.07			83.96	4.01	0.00	27.10	VERTICAL	35	207	Peak

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	PreampFactor	AntennaFactor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2390.00	51.75	54.00	-2.25	20.73	3.99	0.00	27.03	VERTICAL	359	210	Average
2	2390.00	66.57	74.00	-7.43	35.55	3.99	0.00	27.03	VERTICAL	359	210	Peak
3	2435.26	114.10			82.92	4.03	0.00	27.15	VERTICAL	359	210	Average
4	2440.47	120.50			89.30	4.04	0.00	27.16	VERTICAL	359	210	Peak
5	2483.50	52.98	54.00	-1.02	21.64	4.07	0.00	27.27	VERTICAL	359	210	Average
6	2483.50	68.42	74.00	-5.58	37.08	4.07	0.00	27.27	VERTICAL	359	210	Peak

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

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	PreampFactor	AntennaFactor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2460.55	115.14			83.87	4.05	0.00	27.22	VERTICAL	320	206	Peak
2	2462.87	109.79			78.52	4.05	0.00	27.22	VERTICAL	320	206	Average
3	2483.50	51.99	54.00	-2.01	20.65	4.07	0.00	27.27	VERTICAL	320	206	Average
4	2483.50	72.60	74.00	-1.40	41.26	4.07	0.00	27.27	VERTICAL	320	206	Peak

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

Temperature	23℃	Humidity	61%
Test Engineer	Mars Lin, Hank Yang	Configurations	IEEE 802. 11ac MCS0/Nss1 VHT40 CH 3, 6, 9 / Chain 1 + Chain 2
Test date	Dec. 15, 2014		
Test Mode	Mode 2: (Ant.7 Panel antenna / 6.5 dBi / 2TX)		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	PreampFactor	AntennaFactor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2389.71	52.52	54.00	-1.48	21.50	3.99	0.00	27.03	VERTICAL	314	204	Average
2	2390.00	69.56	74.00	-4.44	38.54	3.99	0.00	27.03	VERTICAL	314	204	Peak
3	2416.21	105.18			74.07	4.01	0.00	27.10	VERTICAL	314	204	Average
4	2428.37	111.99			80.83	4.03	0.00	27.13	VERTICAL	314	204	Peak

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	PreampFactor	AntennaFactor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2388.55	68.71	74.00	-5.29	37.69	3.99	0.00	27.03	VERTICAL	315	170	Peak
2	2389.42	52.00	54.00	-2.00	20.98	3.99	0.00	27.03	VERTICAL	315	170	Average
3	2425.71	108.16			77.00	4.03	0.00	27.13	VERTICAL	315	170	Average
4	2443.37	113.70			82.50	4.04	0.00	27.16	VERTICAL	315	170	Peak
5	2483.50	52.48	54.00	-1.52	21.14	4.07	0.00	27.27	VERTICAL	315	170	Average
6	2484.66	72.81	74.00	-1.19	41.47	4.07	0.00	27.27	VERTICAL	315	170	Peak

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

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	PreampFactor	AntennaFactor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2438.11	105.48			74.30	4.03	0.00	27.15	VERTICAL	323	143	Average
2	2456.34	111.96			80.71	4.05	0.00	27.20	VERTICAL	323	143	Peak
3	2483.50	52.09	54.00	-1.91	20.75	4.07	0.00	27.27	VERTICAL	323	143	Average
4	2484.66	72.56	74.00	-1.44	41.22	4.07	0.00	27.27	VERTICAL	323	143	Peak

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

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin, Hank Yang	Configurations	IEEE 802. 11ac MCS0/Nss1 VHT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3
Test date	Dec. 15, 2014		
Test Mode	Mode 2: (Ant.7 Panel antenna / 6.5 dBi / 3TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2389.71	70.61	74.00	-3.39	39.59	3.99	0.00	27.03	VERTICAL	20	183	Peak
2	2390.00	52.63	54.00	-1.37	21.61	3.99	0.00	27.03	VERTICAL	20	183	Average
3	2412.58	110.11			79.00	4.01	0.00	27.10	VERTICAL	20	183	Average
4	2415.47	118.66			87.55	4.01	0.00	27.10	VERTICAL	20	183	Peak

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2385.37	68.46	74.00	-5.54	37.44	3.99	0.00	27.03	VERTICAL	326	195	Peak
2	2390.00	52.17	54.00	-1.83	21.15	3.99	0.00	27.03	VERTICAL	326	195	Average
3	2437.87	114.17			82.99	4.03	0.00	27.15	VERTICAL	326	195	Average
4	2439.60	124.76			93.56	4.04	0.00	27.16	VERTICAL	326	195	Peak
5	2483.50	52.71	54.00	-1.29	21.37	4.07	0.00	27.27	VERTICAL	326	195	Average
6	2484.08	70.53	74.00	-3.47	39.19	4.07	0.00	27.27	VERTICAL	326	195	Peak

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

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2460.26	117.22			85.97	4.05	0.00	27.20	VERTICAL	36	194	Peak
2	2460.55	106.39			75.12	4.05	0.00	27.22	VERTICAL	36	194	Average
3	2483.50	72.61	74.00	-1.39	41.27	4.07	0.00	27.27	VERTICAL	36	194	Peak
4	2483.79	51.05	54.00	-2.95	19.71	4.07	0.00	27.27	VERTICAL	36	194	Average

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

Temperature	23℃	Humidity	61%
Test Engineer	Mars Lin, Hank Yang	Configurations	IEEE 802. 11ac MCS0/Nss1 VHT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3
Test date	Dec. 15, 2014		
Test Mode	Mode 2: (Ant.7 Panel antenna / 6.5 dBi / 3TX)		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	PreampFactor	AntennaFactor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2390.00	52.97	54.00	-1.03	21.95	3.99	0.00	27.03	VERTICAL	355	218	Average
2	2390.00	70.50	74.00	-3.50	39.48	3.99	0.00	27.03	VERTICAL	355	218	Peak
3	2408.69	106.36			75.27	4.01	0.00	27.08	VERTICAL	355	218	Average
4	2419.97	112.56			81.44	4.01	0.00	27.11	VERTICAL	355	218	Peak

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	PreampFactor	AntennaFactor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2390.00	51.75	54.00	-2.25	20.73	3.99	0.00	27.03	VERTICAL	20	212	Average
2	2390.00	63.58	74.00	-10.42	32.56	3.99	0.00	27.03	VERTICAL	20	212	Peak
3	2429.19	108.69			77.53	4.03	0.00	27.13	VERTICAL	20	212	Average
4	2443.37	114.77			83.57	4.04	0.00	27.16	VERTICAL	20	212	Peak
5	2483.50	52.46	54.00	-1.54	21.12	4.07	0.00	27.27	VERTICAL	20	212	Average
6	2483.50	72.08	74.00	-1.92	40.74	4.07	0.00	27.27	VERTICAL	20	212	Peak

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

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	PreampFactor	AntennaFactor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2441.29	102.97			71.77	4.04	0.00	27.16	VERTICAL	338	211	Average
2	2456.63	113.68			82.43	4.05	0.00	27.20	VERTICAL	338	211	Peak
3	2483.79	52.48	54.00	-1.52	21.14	4.07	0.00	27.27	VERTICAL	338	211	Average
4	2486.39	72.08	74.00	-1.92	40.73	4.08	0.00	27.27	VERTICAL	338	211	Peak

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

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin, Hank Yang	Configurations	IEEE 802. 11ac MCS0/Nss1 VHT20 CH 1, 6, 11 / Chain 1 + Chain 2
Test date	Dec. 24, 2014		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 1: 8.8, Chain 2: 5.9, Chain 3: 9 dBi / 2TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2389.40	70.26	74.00	-3.74	39.24	3.99	0.00	27.03	VERTICAL	9	175	Peak
2	2390.00	52.88	54.00	-1.12	21.86	3.99	0.00	27.03	VERTICAL	9	175	Average
3	2413.60	113.17			82.06	4.01	0.00	27.10	VERTICAL	9	175	Peak
4	2413.76	107.60			76.49	4.01	0.00	27.10	VERTICAL	9	175	Average

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2382.83	67.89	74.00	-6.11	36.89	3.99	0.00	27.01	VERTICAL	12	163	Peak
2	2390.00	51.94	54.00	-2.06	20.92	3.99	0.00	27.03	VERTICAL	12	163	Average
3	2435.40	118.78			87.60	4.03	0.00	27.15	VERTICAL	12	163	Peak
4	2436.04	113.20			82.02	4.03	0.00	27.15	VERTICAL	12	163	Average
5	2483.50	52.82	54.00	-1.18	21.48	4.07	0.00	27.27	VERTICAL	12	163	Average
6	2484.12	68.11	74.00	-5.89	36.77	4.07	0.00	27.27	VERTICAL	12	163	Peak

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

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2460.72	106.42			75.15	4.05	0.00	27.22	VERTICAL	10	186	Average
2	2463.60	112.58			81.31	4.05	0.00	27.22	VERTICAL	10	186	Peak
3	2483.50	52.12	54.00	-1.88	20.78	4.07	0.00	27.27	VERTICAL	10	186	Average
4	2483.50	71.42	74.00	-2.58	40.08	4.07	0.00	27.27	VERTICAL	10	186	Peak

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

Temperature	23℃	Humidity	61%
Test Engineer	Mars Lin, Hank Yang	Configurations	IEEE 802. 11ac MCS0/Nss1 VHT40 CH 3, 6, 9 / Chain 1 + Chain 2
Test date	Dec. 24, 2014		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 1: 8.8, Chain 2: 5.9, Chain 3: 9 dBi / 2TX)		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2386.10	71.07	74.00	-2.93	40.05	3.99	0.00	27.03	VERTICAL	360	148	Peak
2	2390.00	52.90	54.00	-1.10	21.88	3.99	0.00	27.03	VERTICAL	360	148	Average
3	2409.18	103.75			72.66	4.01	0.00	27.08	VERTICAL	360	148	Average
4	2427.77	110.20			79.04	4.03	0.00	27.13	VERTICAL	360	148	Peak

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2385.40	67.99	74.00	-6.01	36.97	3.99	0.00	27.03	VERTICAL	37	151	Peak
2	2390.00	52.70	54.00	-1.30	21.68	3.99	0.00	27.03	VERTICAL	37	151	Average
3	2429.63	106.82			75.66	4.03	0.00	27.13	VERTICAL	37	151	Average
4	2429.63	111.15			79.99	4.03	0.00	27.13	VERTICAL	37	151	Peak
5	2483.50	52.40	54.00	-1.60	21.06	4.07	0.00	27.27	VERTICAL	37	151	Average
6	2483.80	71.33	74.00	-2.67	39.99	4.07	0.00	27.27	VERTICAL	37	151	Peak

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

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2439.18	105.02			73.83	4.04	0.00	27.15	VERTICAL	7	183	Average
2	2444.63	109.24			78.04	4.04	0.00	27.16	VERTICAL	7	183	Peak
3	2483.73	52.93	54.00	-1.07	21.59	4.07	0.00	27.27	VERTICAL	7	183	Average
4	2491.42	70.98	74.00	-3.02	39.62	4.08	0.00	27.28	VERTICAL	7	183	Peak

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

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin, Hank Yang	Configurations	IEEE 802. 11ac MCS0/Nss1 VHT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3
Test date	Dec. 24, 2014		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 1: 8.8, Chain 2: 5.9, Chain 3: 9 dBi / 3TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2390.00	49.98	54.00	-4.02	18.96	3.99	0.00	27.03	VERTICAL	36	188	Average
2	2390.00	64.29	74.00	-9.71	33.27	3.99	0.00	27.03	VERTICAL	36	188	Peak
3	2411.04	114.75			83.66	4.01	0.00	27.08	VERTICAL	36	188	Peak
4	2412.64	109.73			78.62	4.01	0.00	27.10	VERTICAL	36	188	Average
5	2483.50	60.45	74.00	-13.55	29.11	4.07	0.00	27.27	VERTICAL	36	188	Peak
6	2493.12	51.34	54.00	-2.66	19.98	4.08	0.00	27.28	VERTICAL	36	188	Average

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2386.47	65.74	74.00	-8.26	34.72	3.99	0.00	27.03	VERTICAL	32	157	Peak
2	2390.00	49.89	54.00	-4.11	18.87	3.99	0.00	27.03	VERTICAL	32	157	Average
3	2435.08	122.47			91.29	4.03	0.00	27.15	VERTICAL	32	157	Peak
4	2436.36	116.81			85.63	4.03	0.00	27.15	VERTICAL	32	157	Average
5	2485.42	64.32	74.00	-9.68	32.98	4.07	0.00	27.27	VERTICAL	32	157	Peak
6	2513.31	52.70	54.00	-1.30	21.27	4.09	0.00	27.34	VERTICAL	32	157	Average

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

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2383.47	50.72	54.00	-3.28	19.70	3.99	0.00	27.03	VERTICAL	33	142	Average
2	2390.00	61.89	74.00	-12.11	30.87	3.99	0.00	27.03	VERTICAL	33	142	Peak
3	2461.36	112.22			80.95	4.05	0.00	27.22	VERTICAL	33	142	Average
4	2464.56	117.50			86.23	4.05	0.00	27.22	VERTICAL	33	142	Peak
5	2483.82	52.74	54.00	-1.26	21.40	4.07	0.00	27.27	VERTICAL	33	142	Average
6	2484.12	72.57	74.00	-1.43	41.23	4.07	0.00	27.27	VERTICAL	33	142	Peak

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

Temperature	23℃	Humidity	61%
Test Engineer	Mars Lin, Hank Yang	Configurations	IEEE 802. 11ac MCS0/Nss1 VHT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3
Test date	Dec. 24, 2014		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 1: 8.8, Chain 2: 5.9, Chain 3: 9 dBi / 3TX)		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2387.06	52.56	54.00	-1.44	21.54	3.99	0.00	27.03	VERTICAL	40	221	Average
2	2389.31	71.58	74.00	-2.42	40.56	3.99	0.00	27.03	VERTICAL	40	221	Peak
3	2415.27	108.03			76.92	4.01	0.00	27.10	VERTICAL	40	221	Average
4	2428.41	111.84			80.68	4.03	0.00	27.13	VERTICAL	40	221	Peak
5	2483.50	47.98	54.00	-6.02	16.64	4.07	0.00	27.27	VERTICAL	40	221	Average
6	2494.76	60.88	74.00	-13.12	29.52	4.08	0.00	27.28	VERTICAL	40	221	Peak

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2389.24	66.65	74.00	-7.35	35.63	3.99	0.00	27.03	VERTICAL	38	215	Peak
2	2390.00	52.56	54.00	-1.44	21.54	3.99	0.00	27.03	VERTICAL	38	215	Average
3	2429.63	114.04			82.88	4.03	0.00	27.13	VERTICAL	38	215	Peak
4	2430.59	110.07			78.91	4.03	0.00	27.13	VERTICAL	38	215	Average
5	2484.12	52.69	54.00	-1.31	21.35	4.07	0.00	27.27	VERTICAL	38	215	Average
6	2485.72	68.31	74.00	-5.69	36.96	4.08	0.00	27.27	VERTICAL	38	215	Peak

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

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	2389.18	60.87	74.00	-13.13	29.85	3.99	0.00	27.03	VERTICAL	33	192	Peak
2	2390.00	47.98	54.00	-6.02	16.96	3.99	0.00	27.03	VERTICAL	33	192	Average
3	2439.18	109.74			78.55	4.04	0.00	27.15	VERTICAL	33	192	Average
4	2444.63	113.86			82.66	4.04	0.00	27.16	VERTICAL	33	192	Peak
5	2484.37	71.27	74.00	-2.73	39.93	4.07	0.00	27.27	VERTICAL	33	192	Peak
6	2486.62	52.62	54.00	-1.38	21.27	4.08	0.00	27.27	VERTICAL	33	192	Average

Item 3, 4 are the fundamental frequency at 2452 MHz.

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

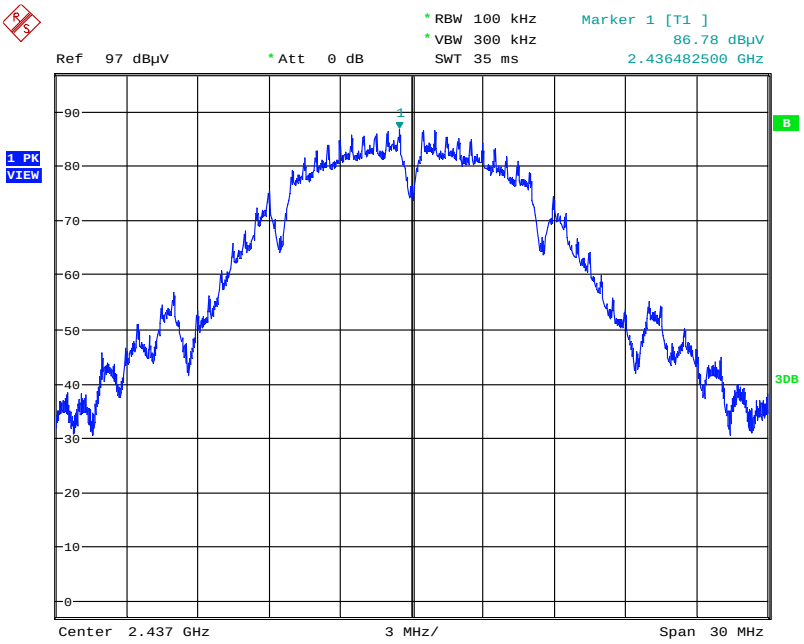
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

For Emission not in Restricted Band

<For Non-Beamforming Mode>

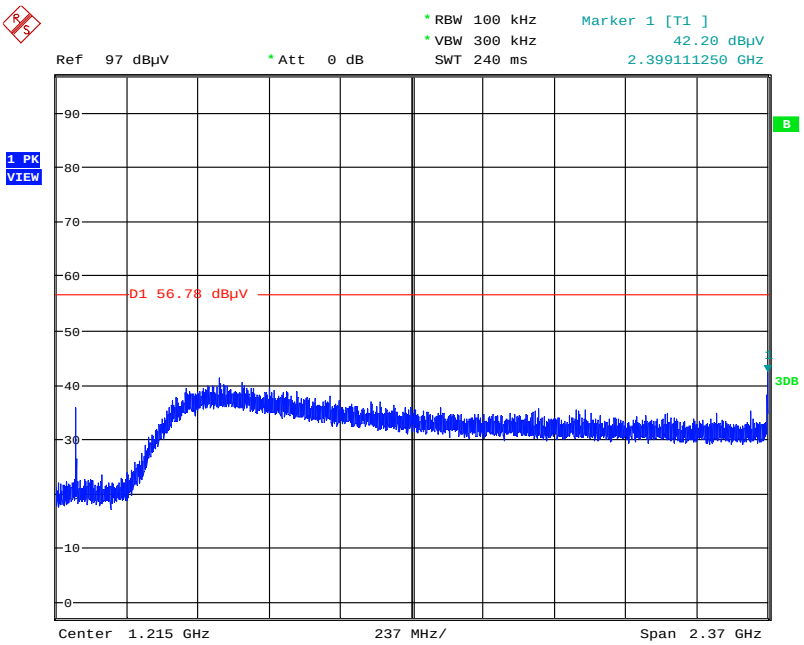
Mode 1: (Ant.6 Dipole antenna / 5.3 dBi / 1TX)

Plot on Configuration IEEE 802.11b / Reference Level



Date: 17.DEC.2014 17:37:57

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



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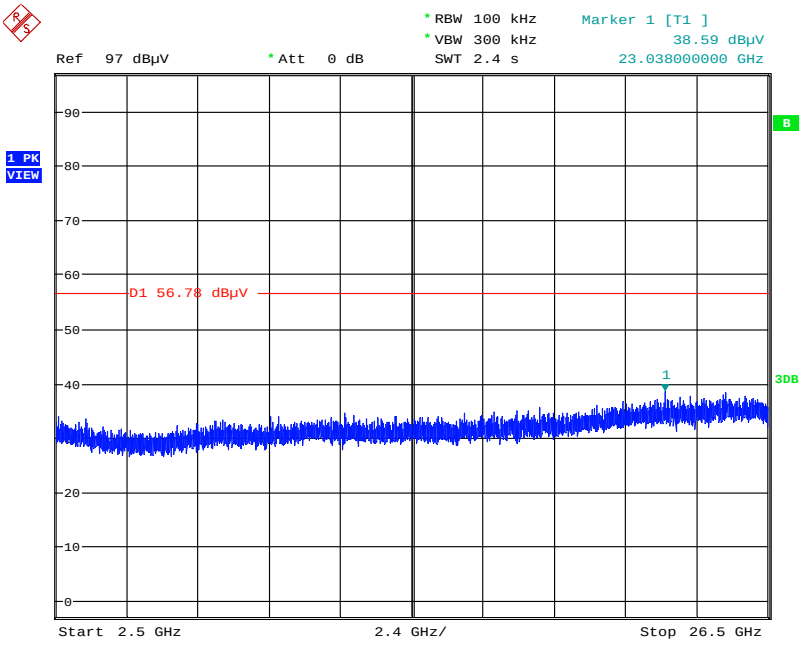
Plot on Configuration IEEE 802.11b / CH 1 / 2500MHz~26500MHz (down 30dBc)



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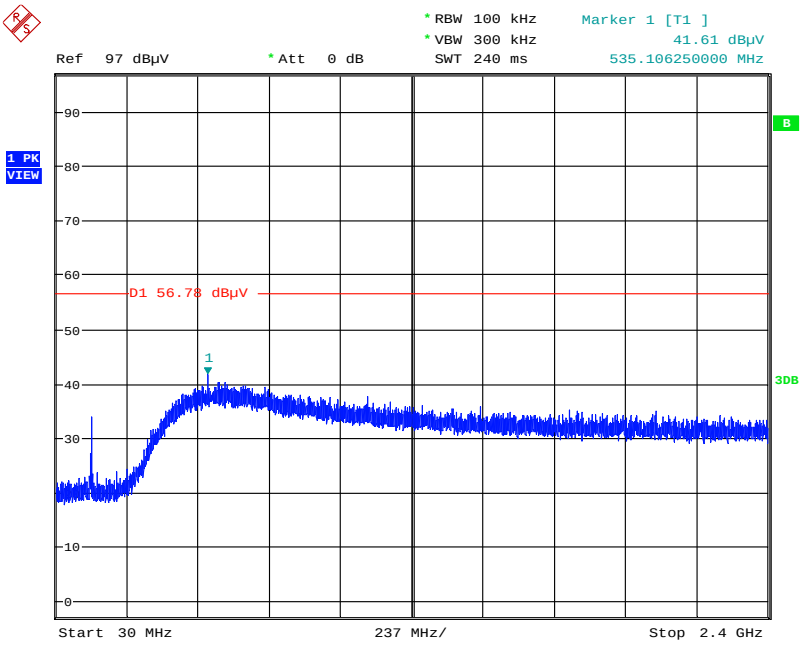
Plot on Configuration IEEE 802.11b / CH 11 / 30MHz~2400MHz (down 30dBc)



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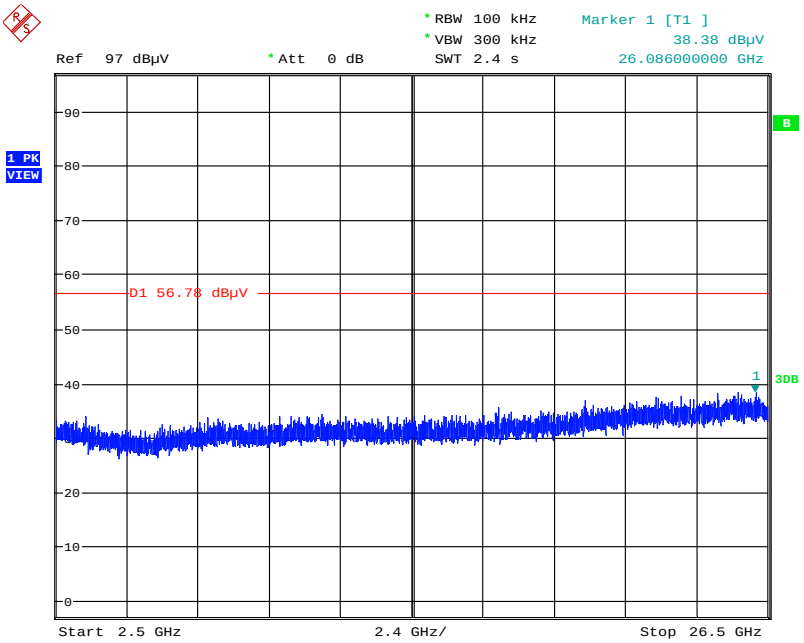
Plot on Configuration IEEE 802.11b / CH 11 / 2500MHz~26500MHz (down 30dBc)



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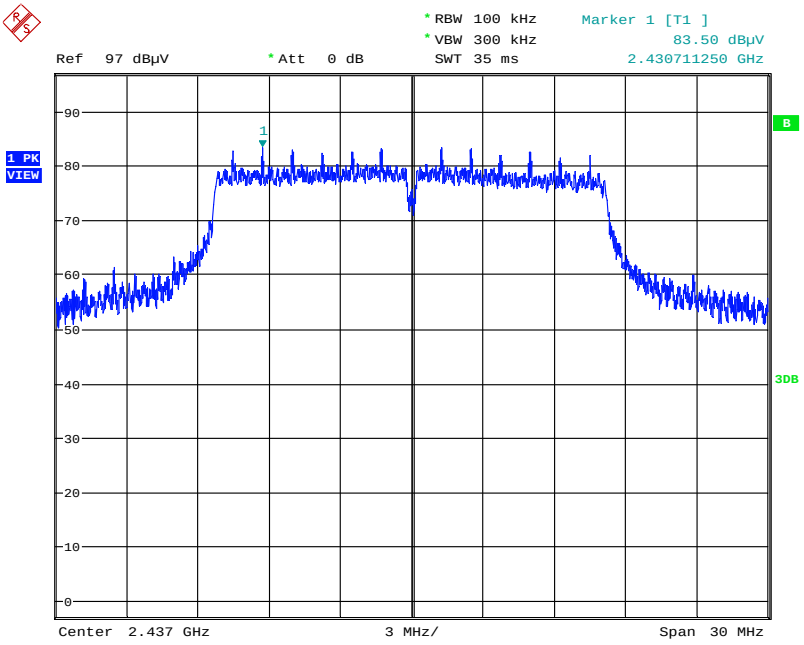
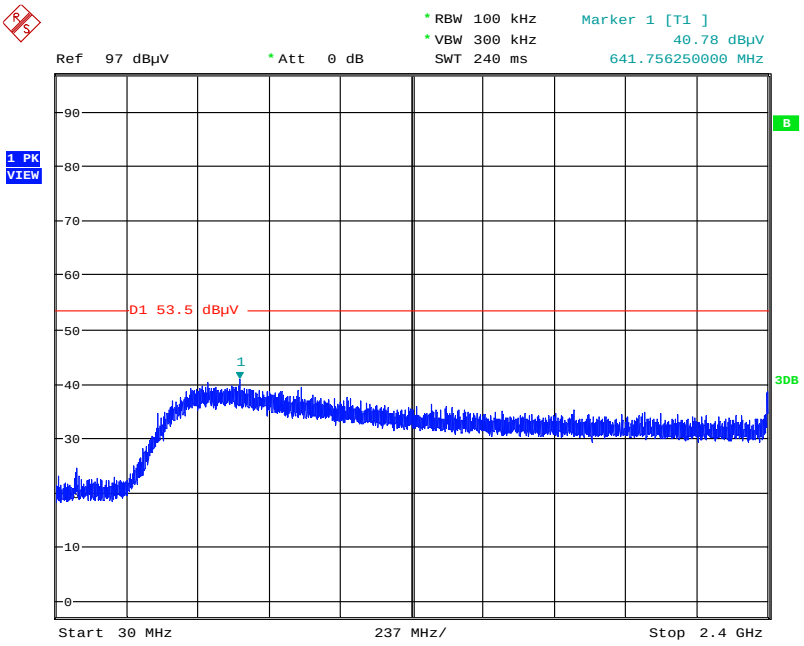
Plot on Configuration IEEE 802.11g / Reference Level



Date: 17.DEC.2014 17:47:54

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



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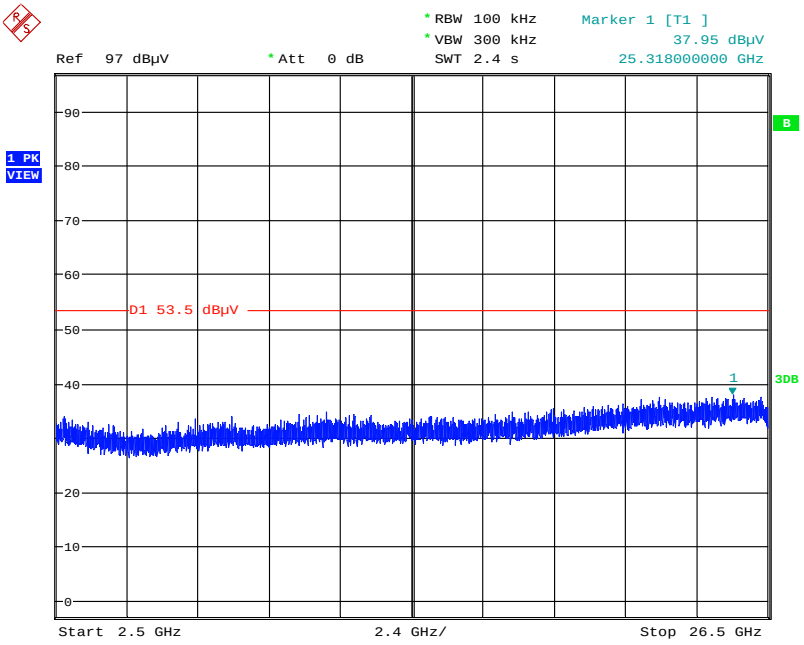
Plot on Configuration IEEE 802.11g / CH 1 / 2500MHz~26500MHz (down 30dBc)



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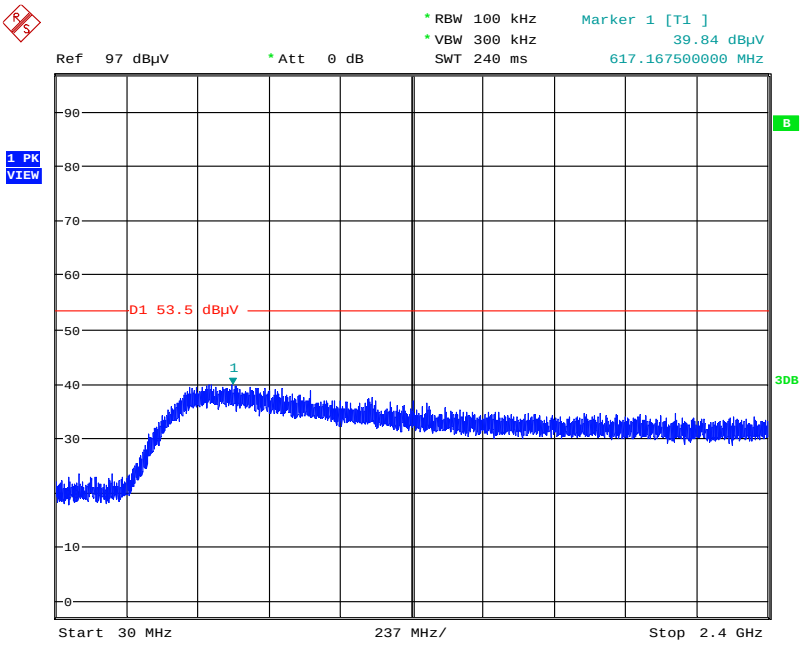
Plot on Configuration IEEE 802.11g / CH 11 / 30MHz~2400MHz (down 30dBc)



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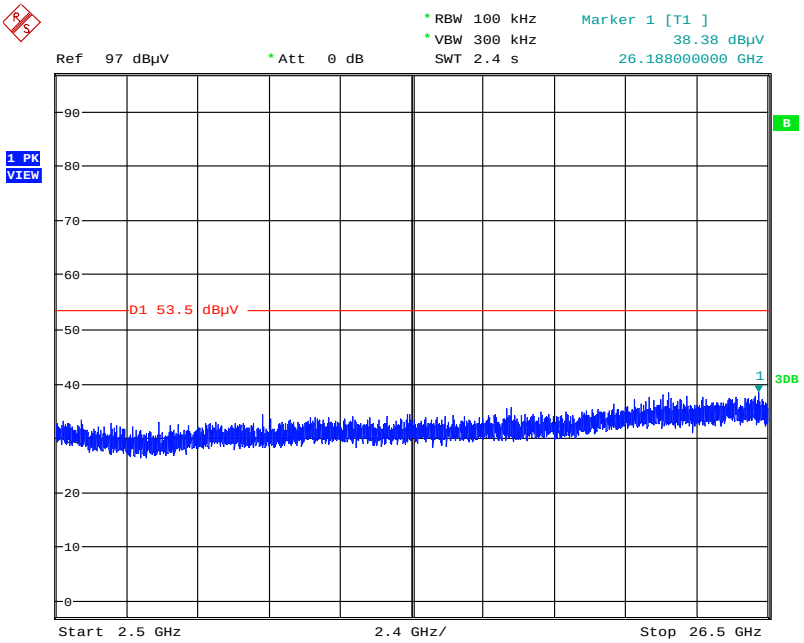
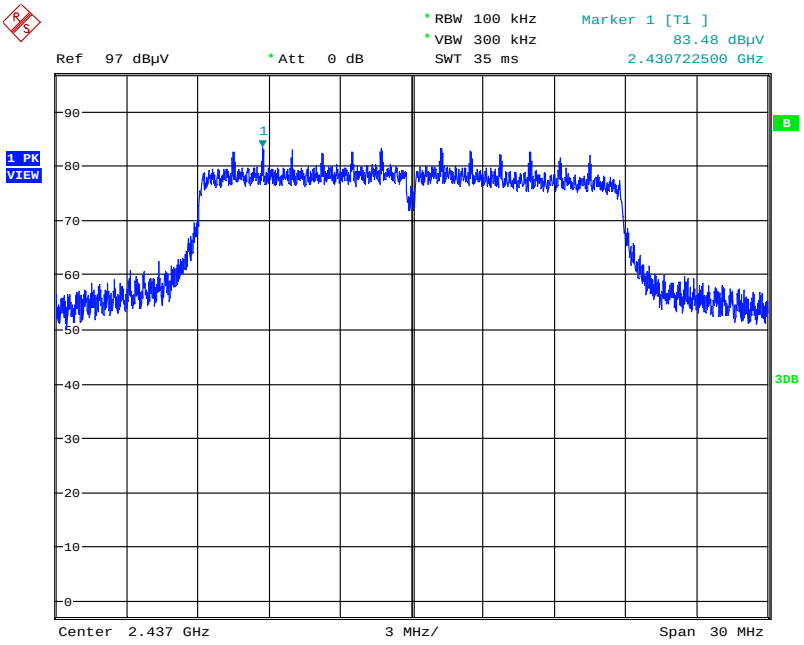
Plot on Configuration IEEE 802.11g / CH 11 / 2500MHz~26500MHz (down 30dBc)



Date: 17.DEC.2014 17:52:18

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 / Reference Level



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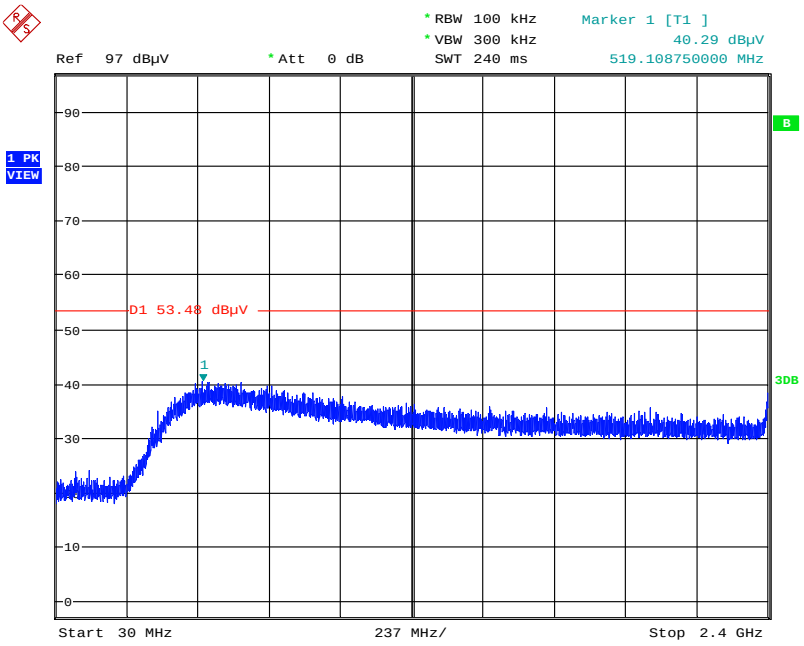
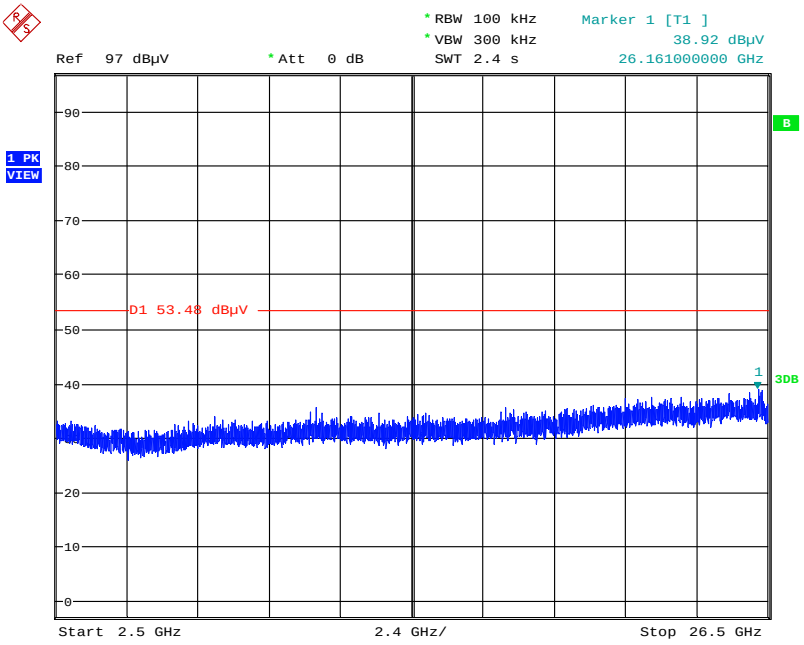
Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 HT20 / CH 1 / 30MHz~2400MHz (down 30dBc)



Date: 17.DEC.2014 18:09:33

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 / CH 1 / 2500MHz~26500MHz (down 30dBc)



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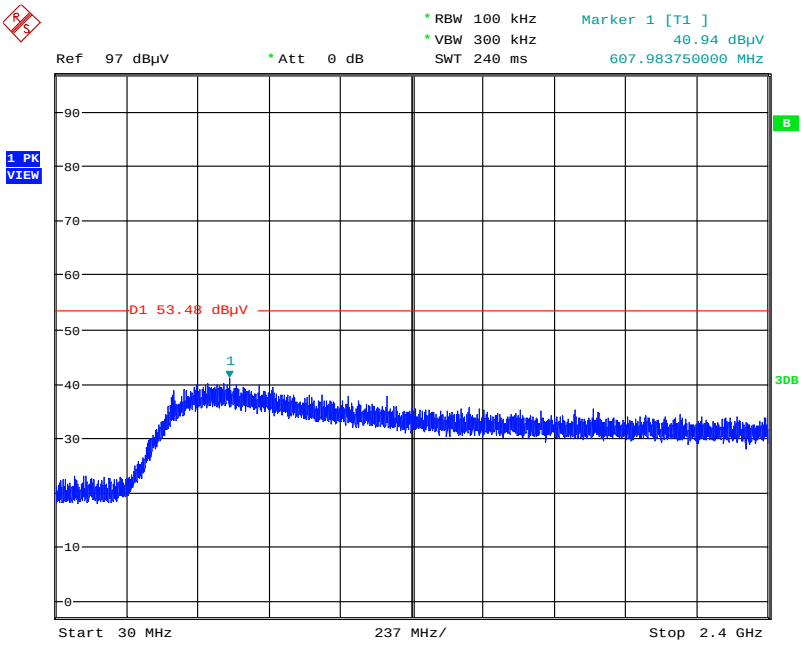
Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 / CH 11 / 30MHz~2400MHz (down 30dBc)



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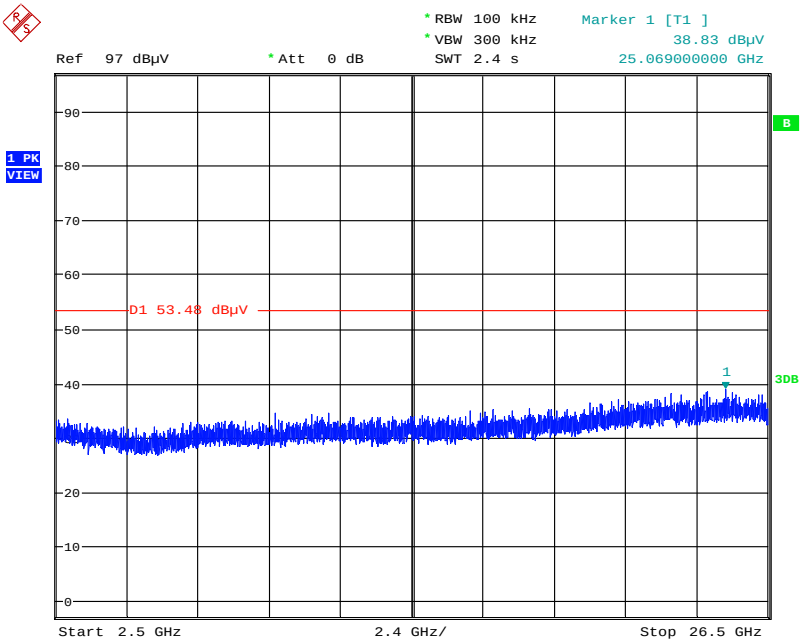
Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 11 / 2500MHz~26500MHz (down 30dBc)



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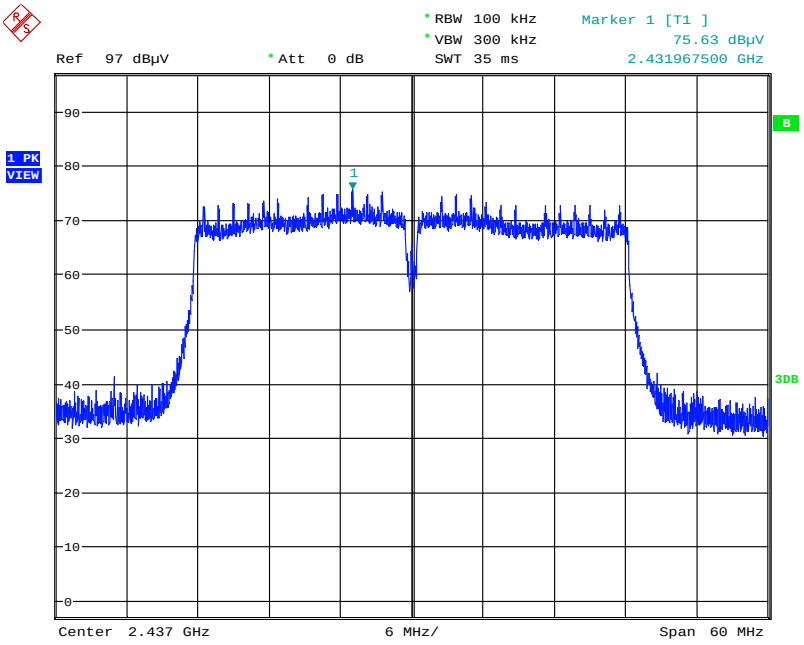
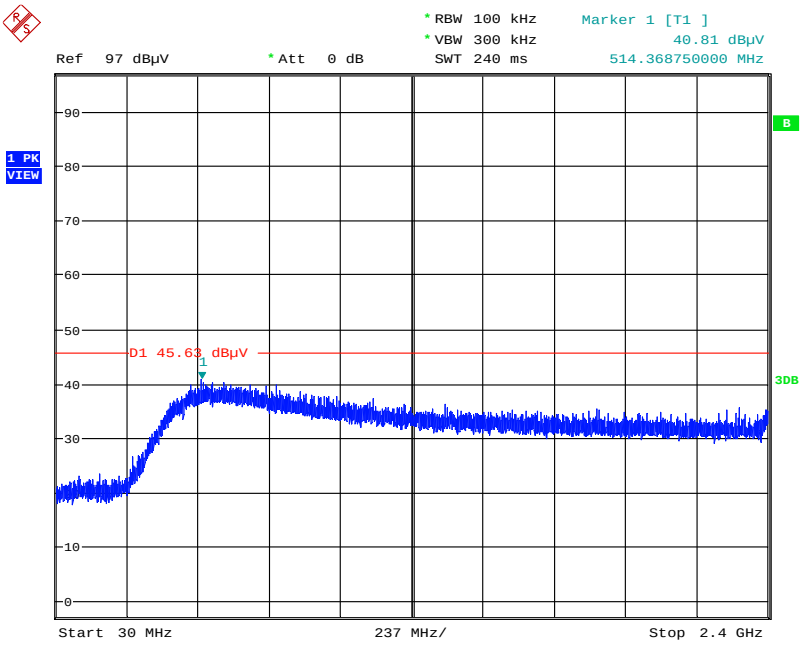
Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / Reference Level



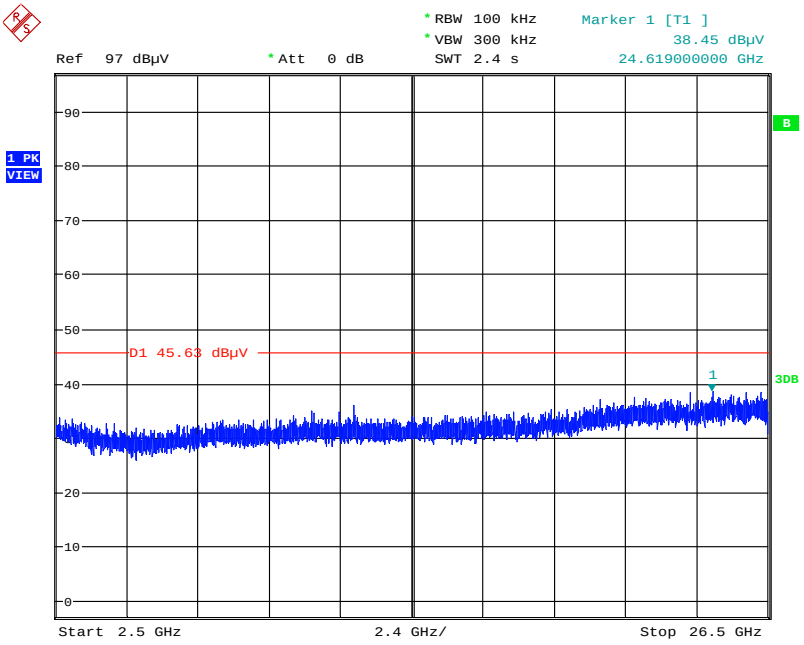
Date: 17.DEC.2014 18:17:51

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / CH 3 / 30MHz~2400MHz (down 30dBc)



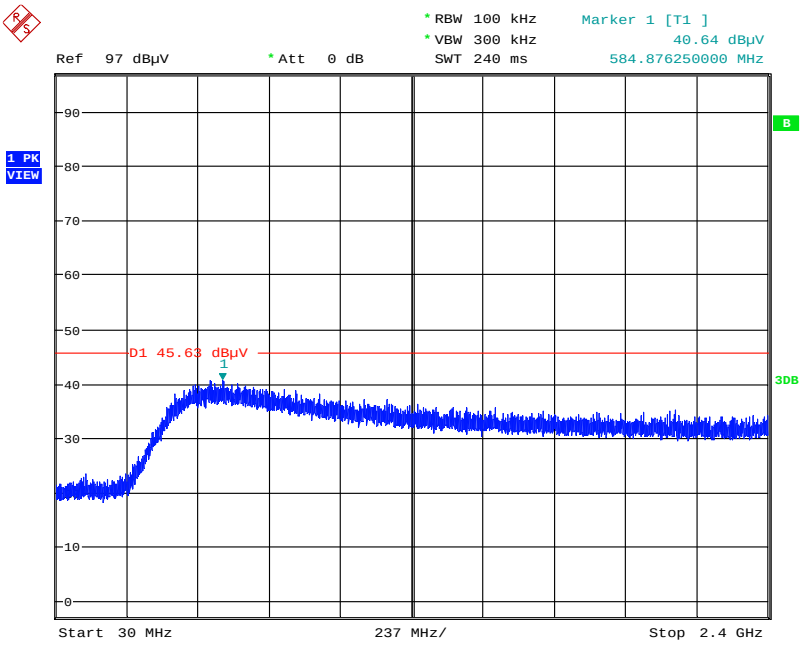
Date: 17.DEC.2014 18:19:37

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / CH 3 / 2500MHz~26500MHz (down 30dBc)



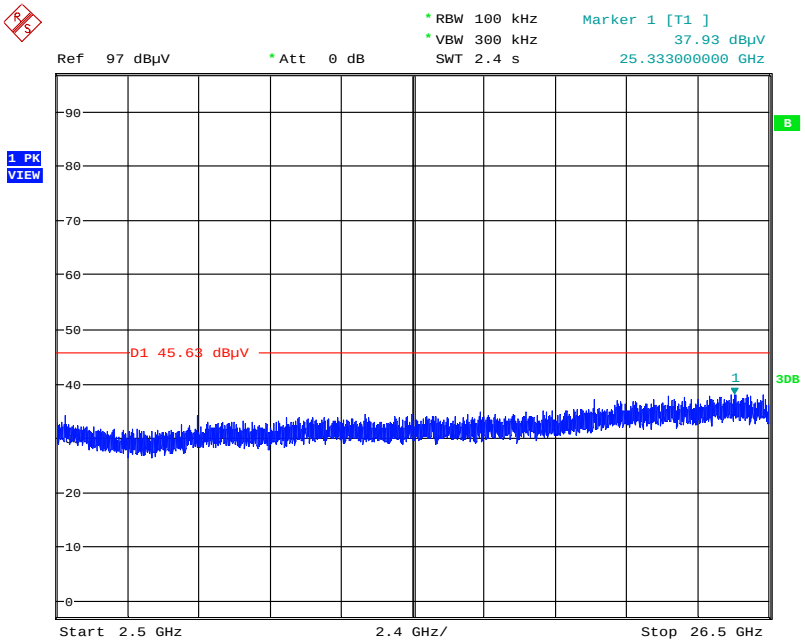
Date: 17.DEC.2014 18:20:04

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / CH 9 / 30MHz~2400MHz (down 30dBc)



Date: 17.DEC.2014 18:22:04

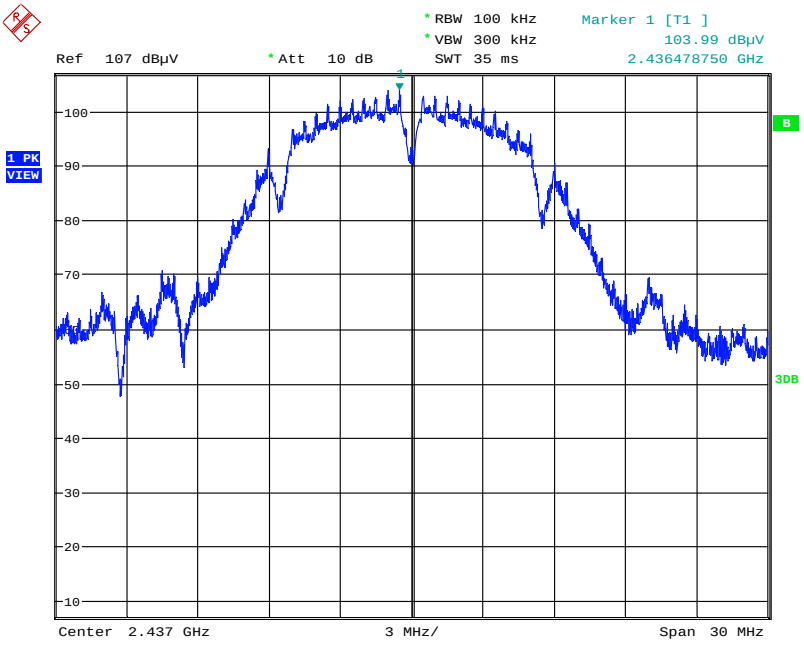
Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / CH 9 / 2500MHz~26500MHz (down 30dBc)



Date: 17.DEC.2014 18:22:32

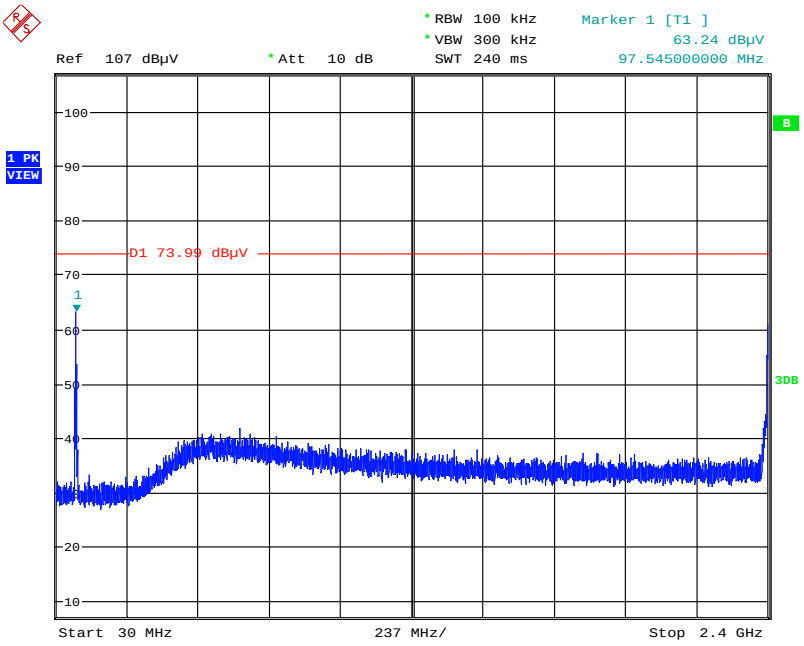
Mode 1: (Ant.6 Dipole antenna / 5.3 dBi / 2TX)

Plot on Configuration IEEE 802.11b / Reference Level



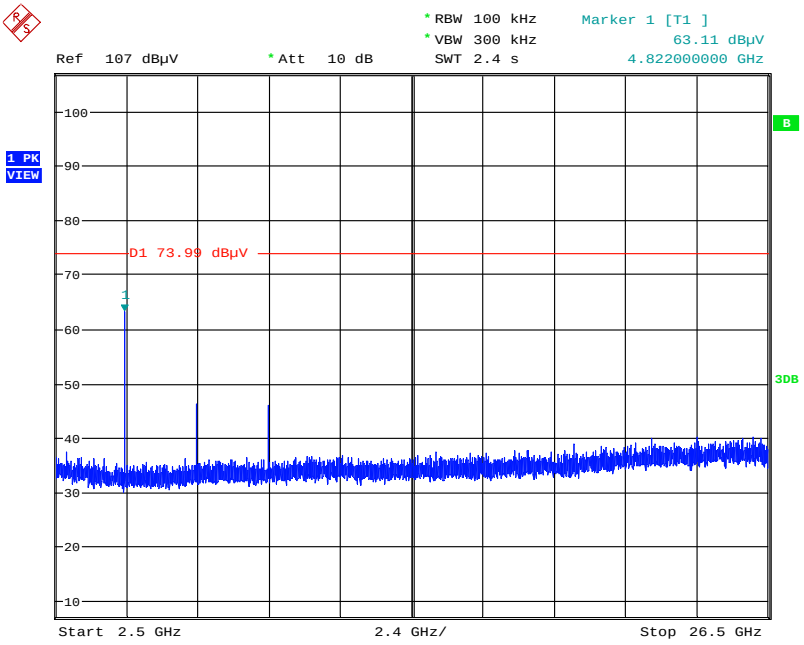
Date: 17.DEC.2014 20:02:18

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



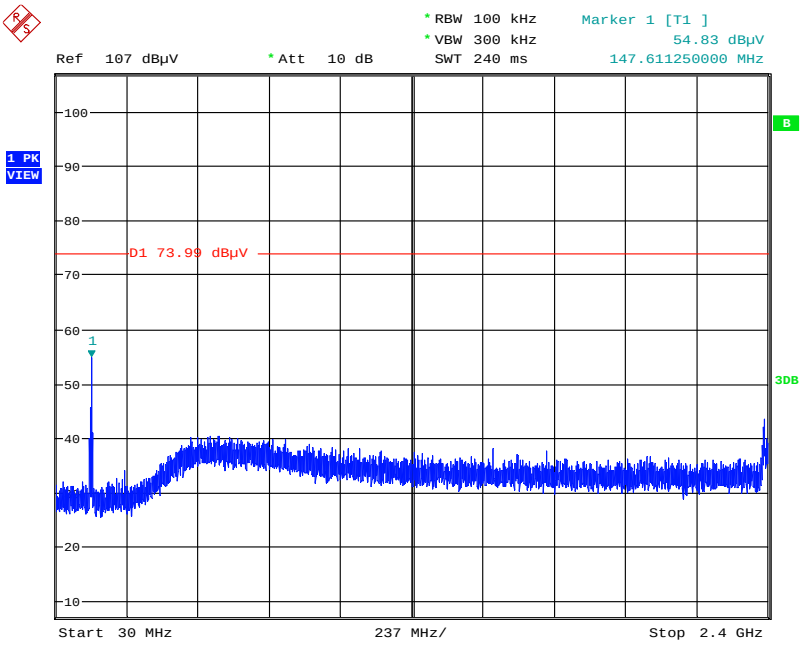
Date: 17.DEC.2014 20:05:21

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



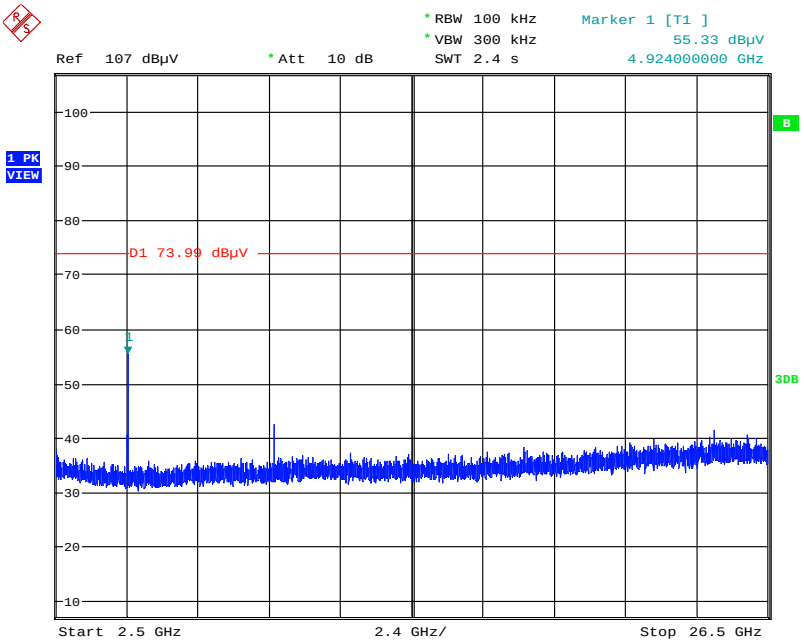
Date: 17.DEC.2014 20:05:58

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



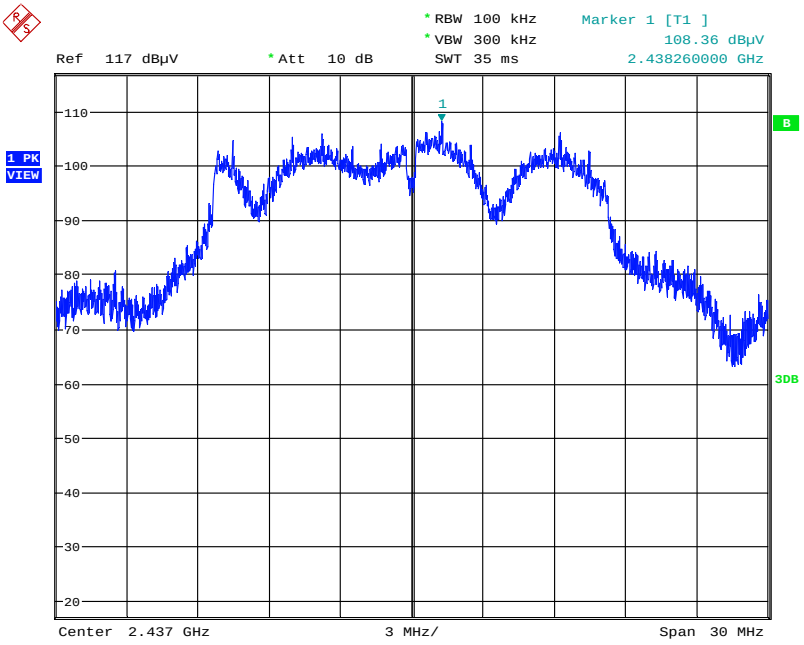
Date: 17.DEC.2014 20:07:06

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



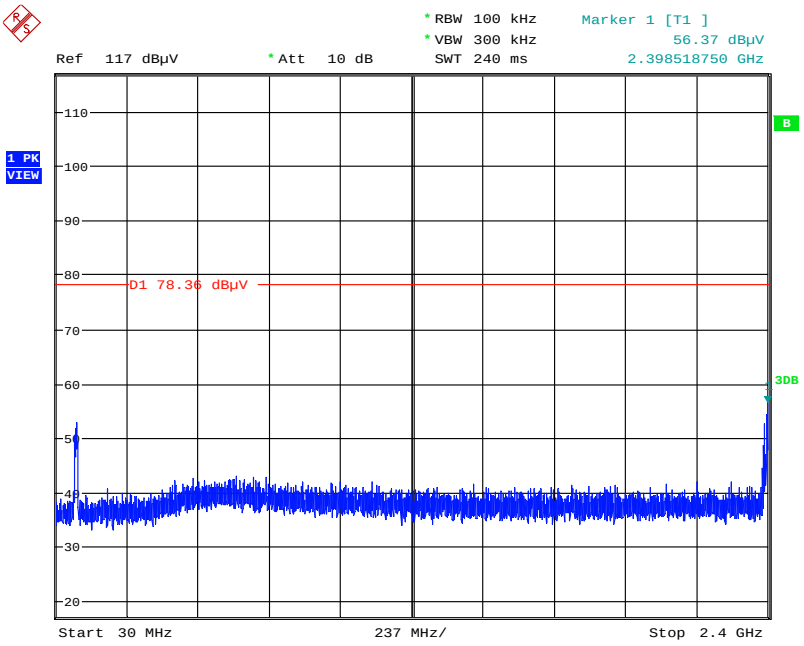
Date: 17.DEC.2014 20:06:38

Plot on Configuration IEEE 802.11g / Reference Level



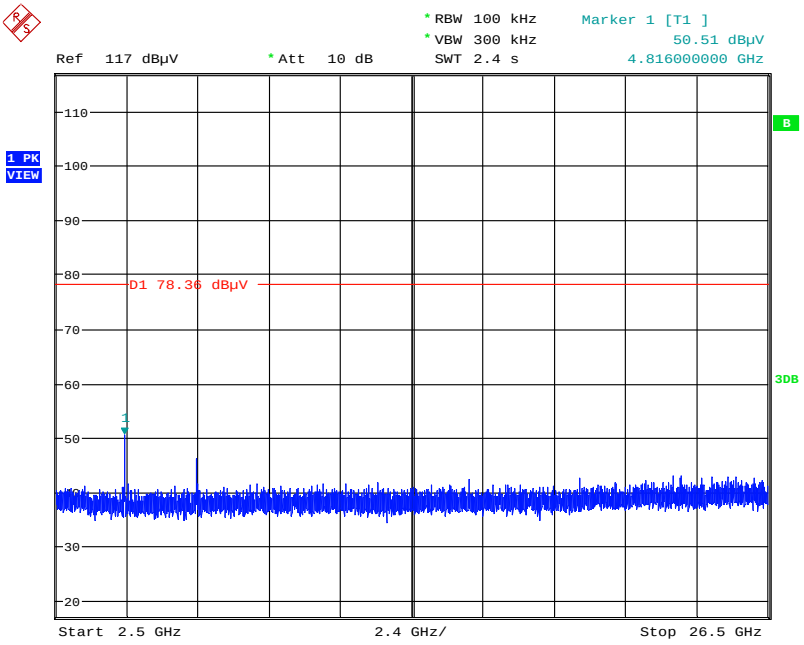
Date: 17.DEC.2014 20:57:12

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



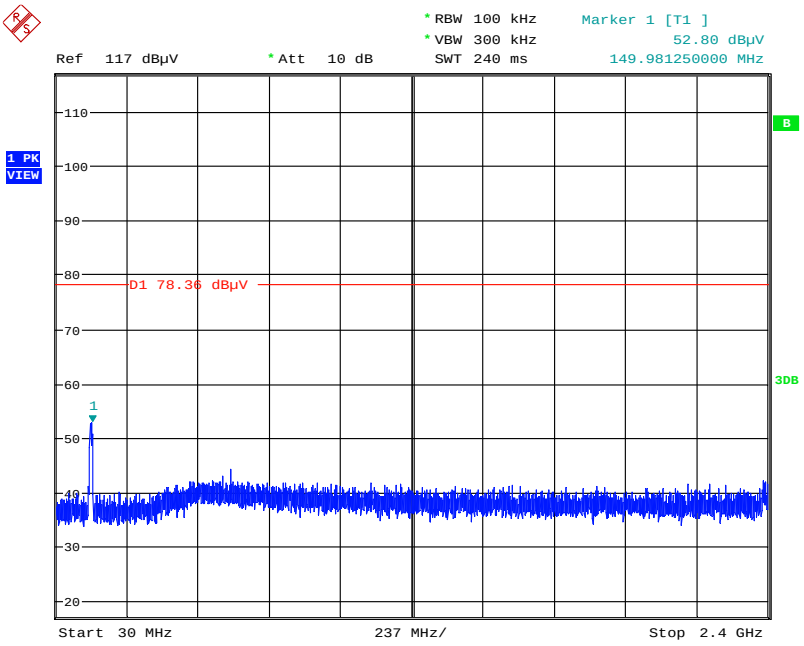
Date: 17.DEC.2014 20:58:45

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



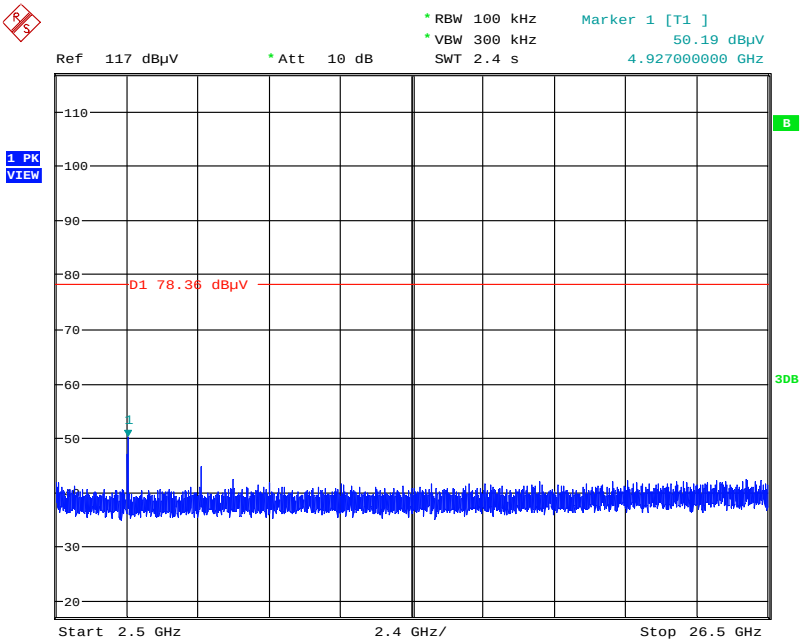
Date: 17.DEC.2014 20:59:45

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



Date: 17.DEC.2014 21:01:32

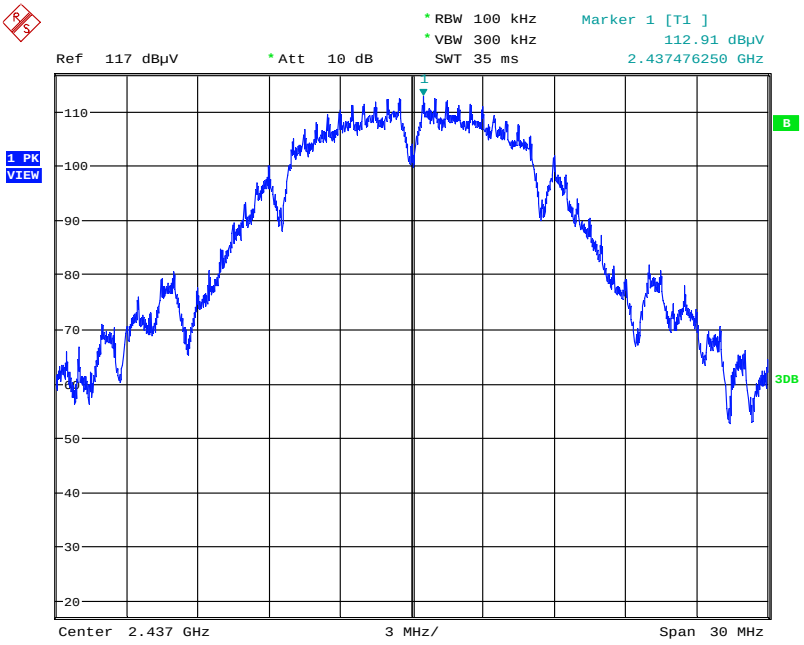
Plot on Configuration IEEE 802.11g / CH 11 / 2500MHz~26500MHz (down 30dBc)



Date: 17.DEC.2014 21:01:01

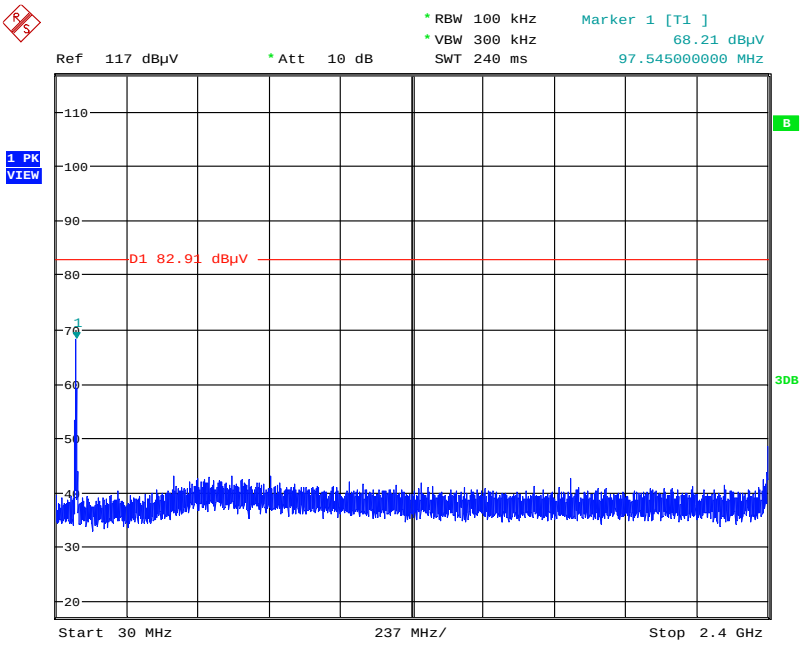
Mode 1: (Ant.6 Dipole antenna / 5.3 dBi / 3TX)

Plot on Configuration IEEE 802.11b / Reference Level



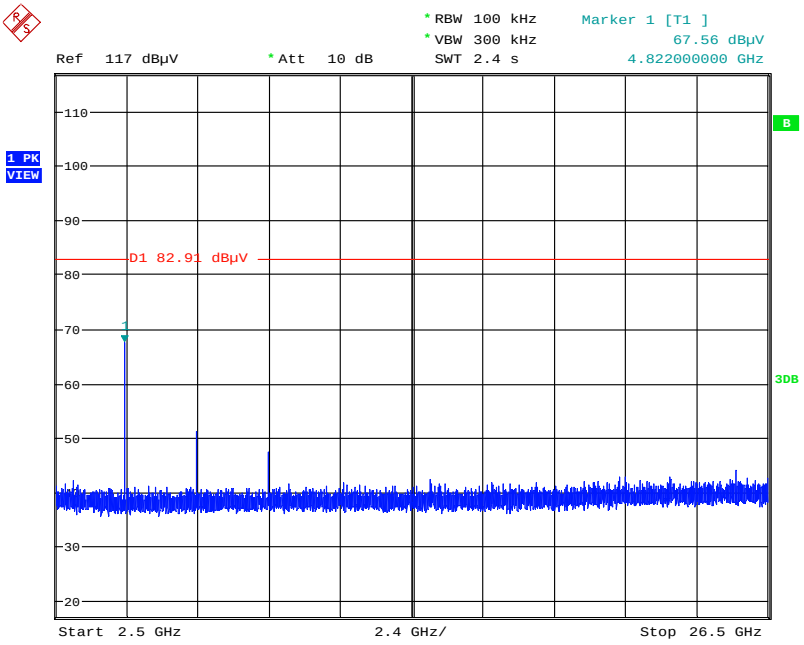
Date: 17.DEC.2014 21:02:49

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



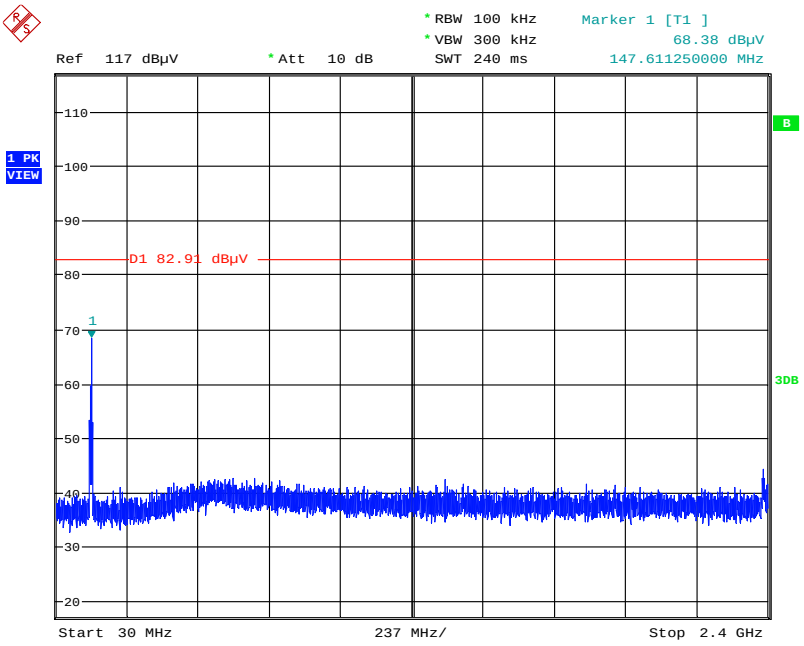
Date: 17.DEC.2014 21:03:57

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



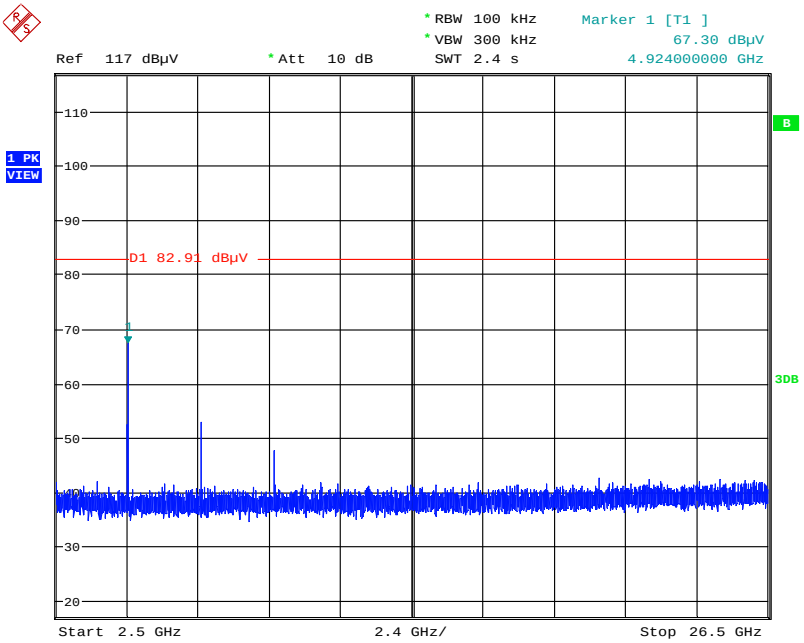
Date: 17.DEC.2014 21:04:44

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



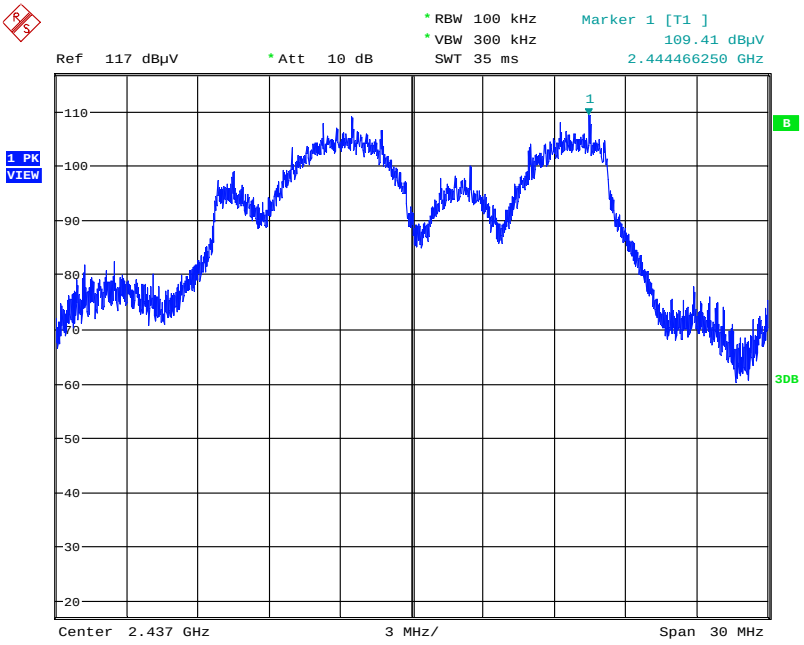
Date: 17.DEC.2014 21:05:31

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



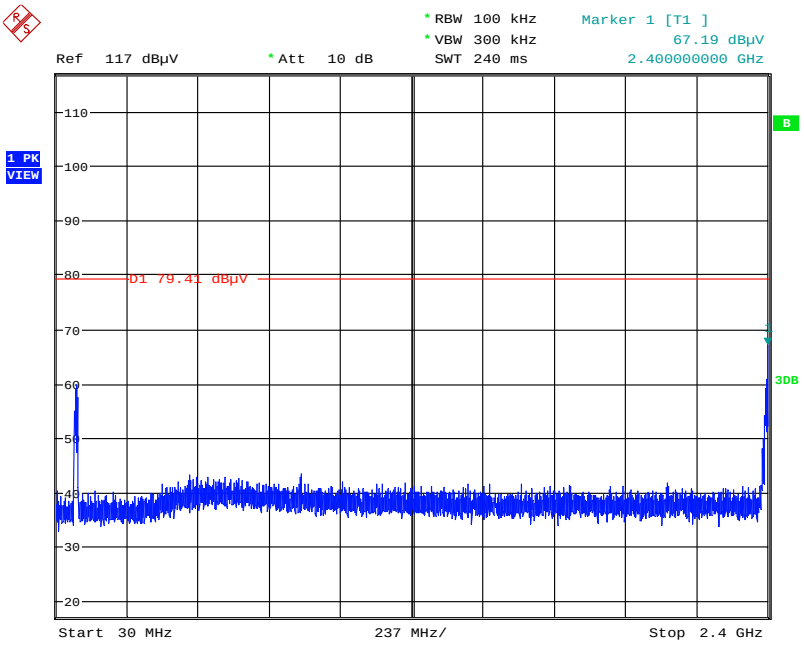
Date: 17.DEC.2014 21:05:11

Plot on Configuration IEEE 802.11g / Reference Level



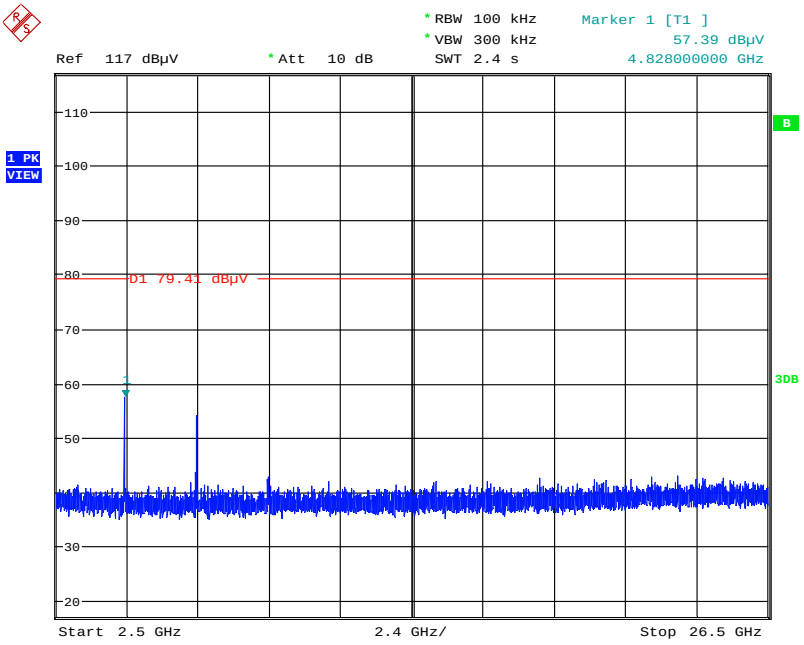
Date: 17.DEC.2014 21:07:08

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



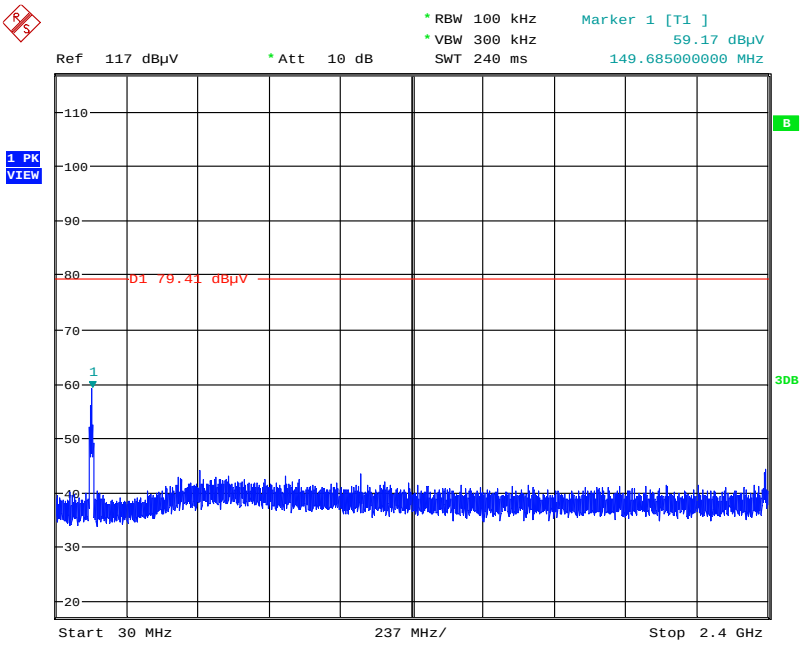
Date: 17.DEC.2014 21:08:00

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



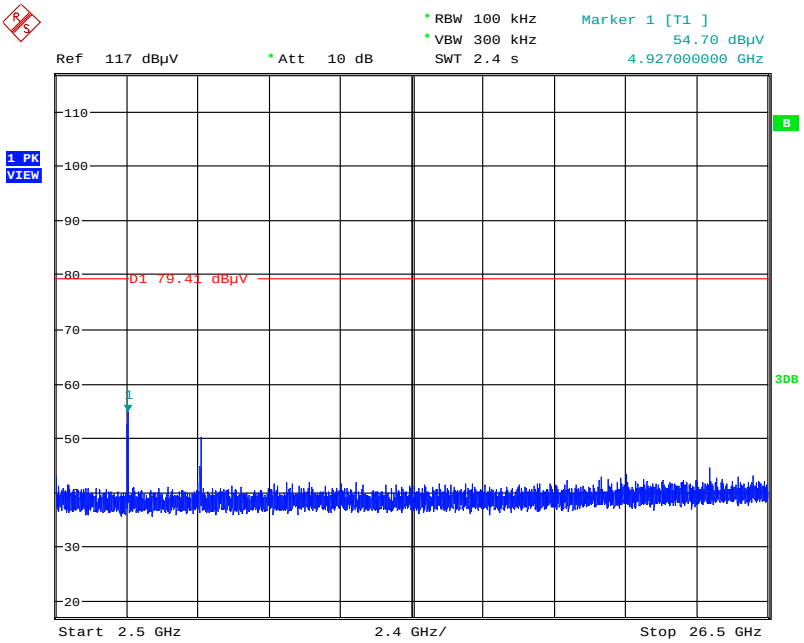
Date: 17.DEC.2014 21:08:50

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



Date: 17.DEC.2014 21:09:45

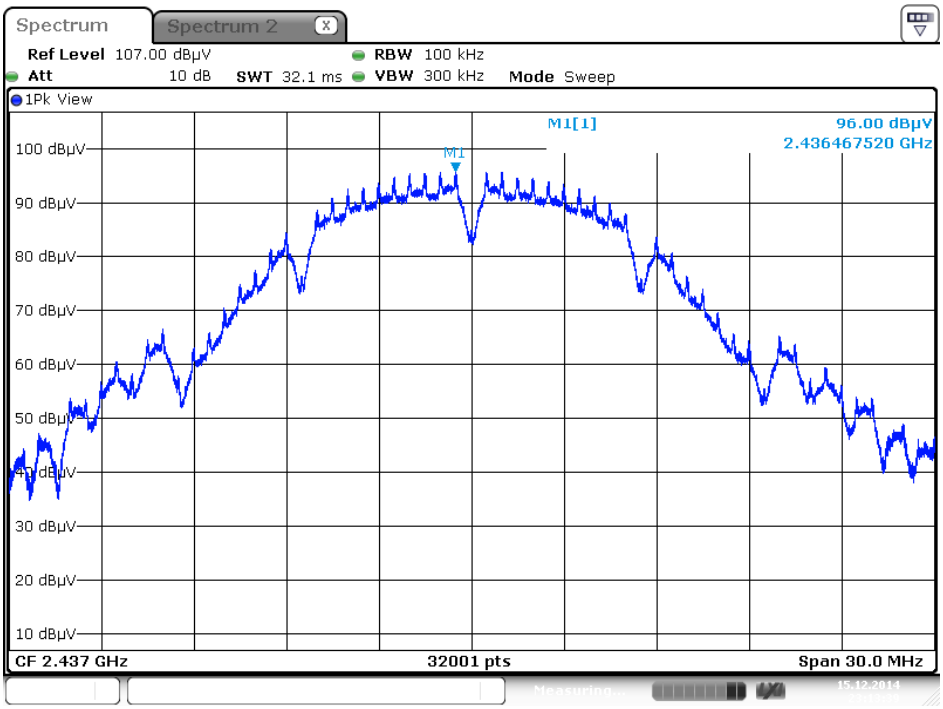
Plot on Configuration IEEE 802.11g / CH 11 / 2500MHz~26500MHz (down 30dBc)



Date: 17.DEC.2014 21:09:23

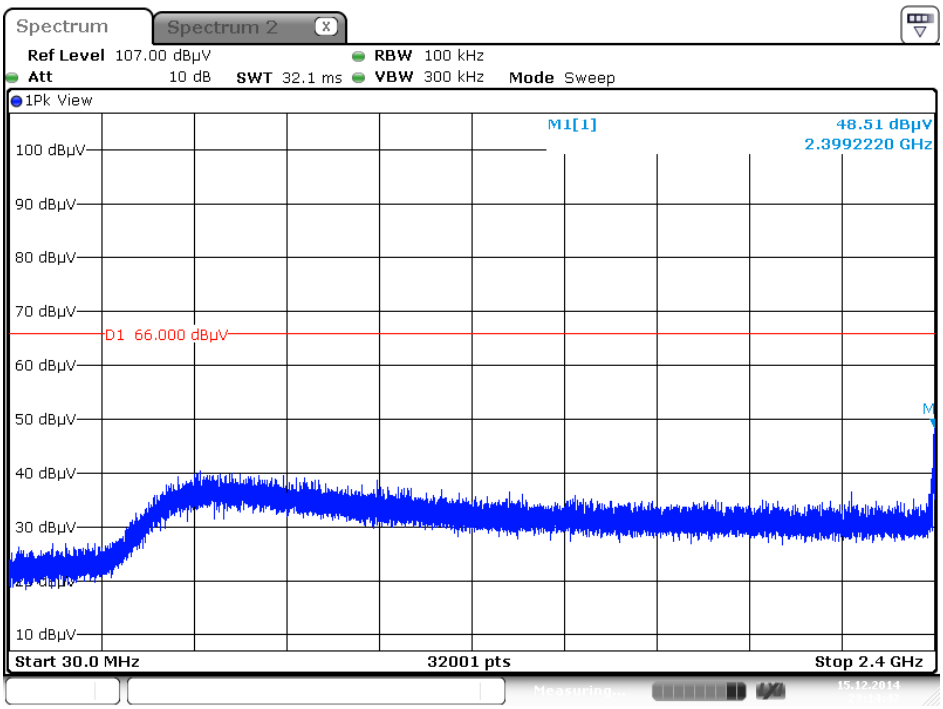
Mode 2: (Ant.7 Panel antenna / 6.5 dBi / 1TX)

Plot on Configuration IEEE 802.11b / Reference Level



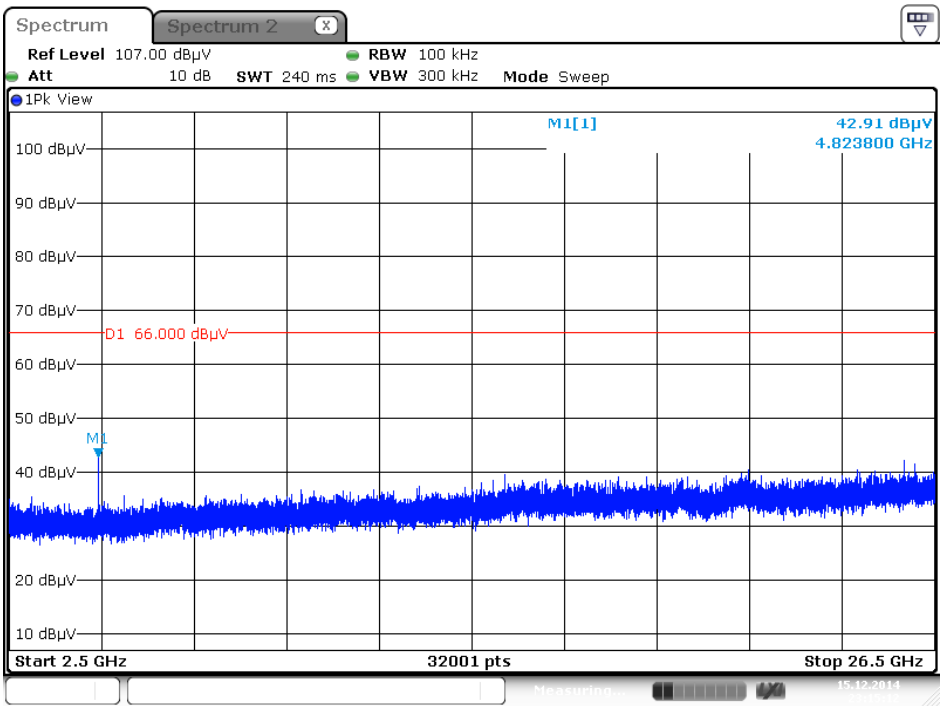
Date:15.DEC.2014 23:13:40

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



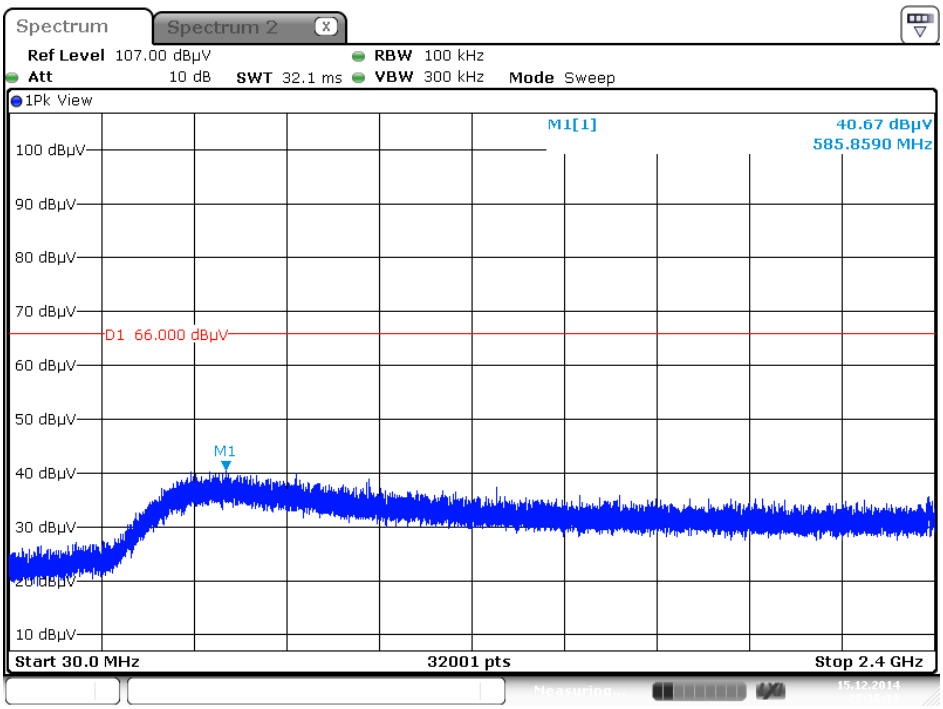
Date:15.DEC.2014 23:14:43

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



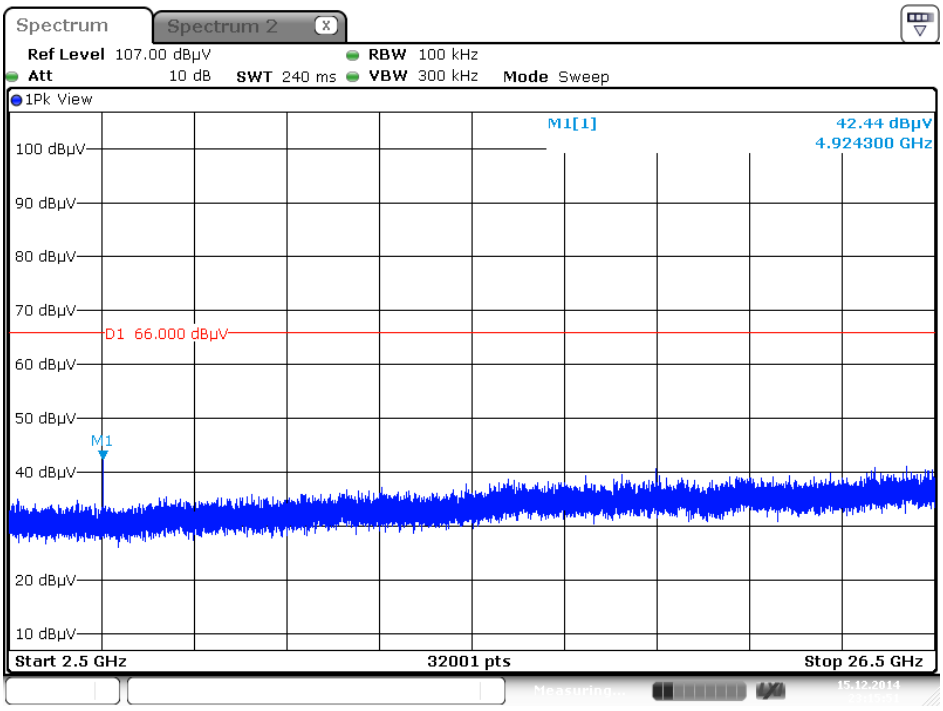
Date:15.DEC.2014 23:15:12

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



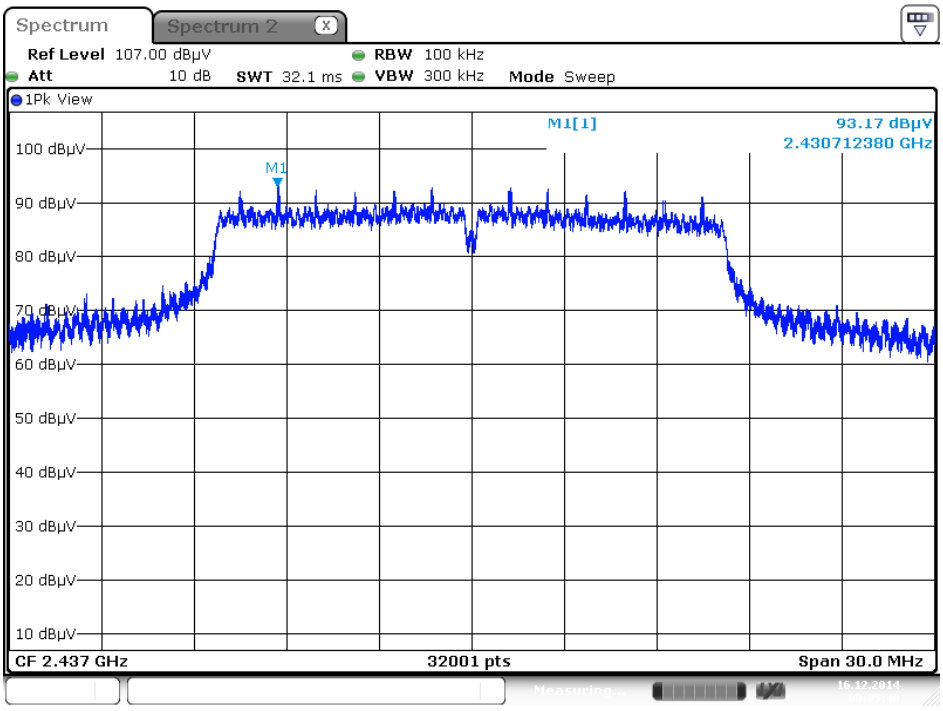
Date:15.DEC.2014 23:16:12

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



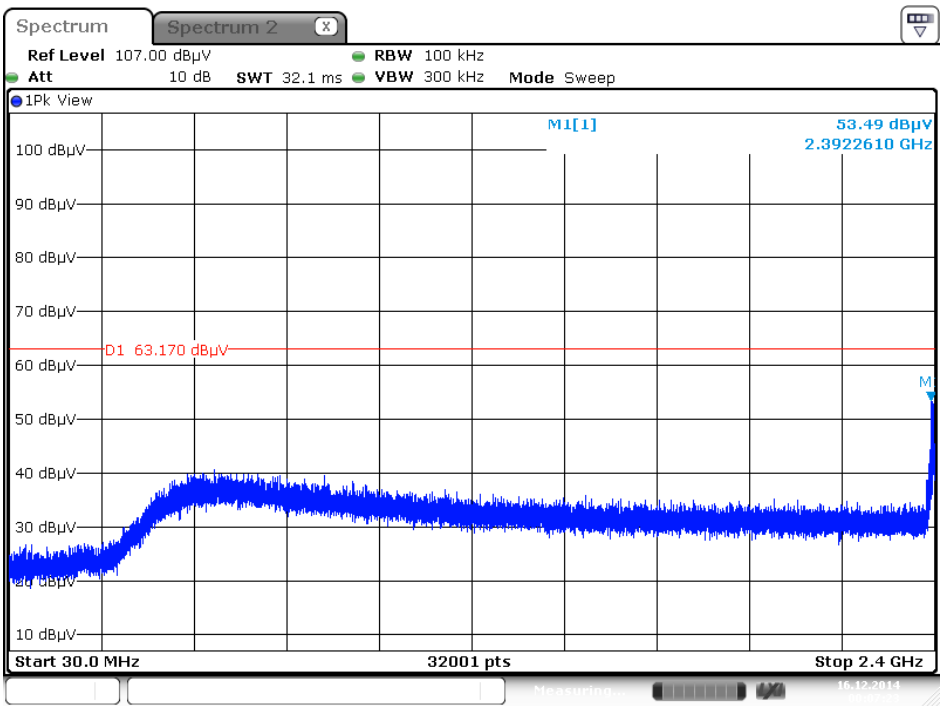
Date: 15.DEC.2014 23:15:52

Plot on Configuration IEEE 802.11g / Reference Level



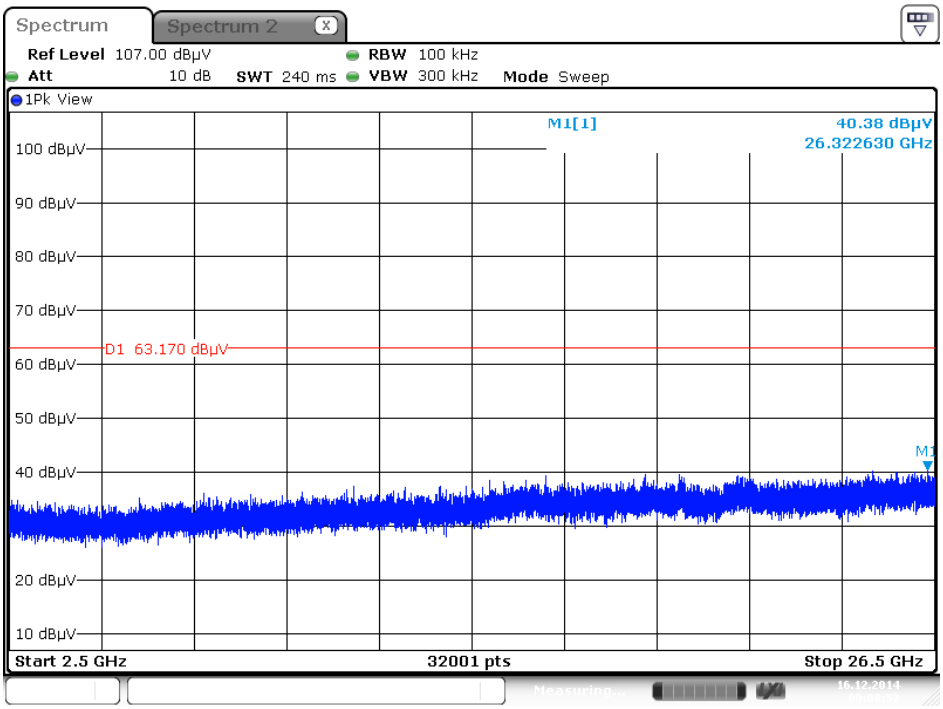
Date:16.DEC.2014 00:05:40

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



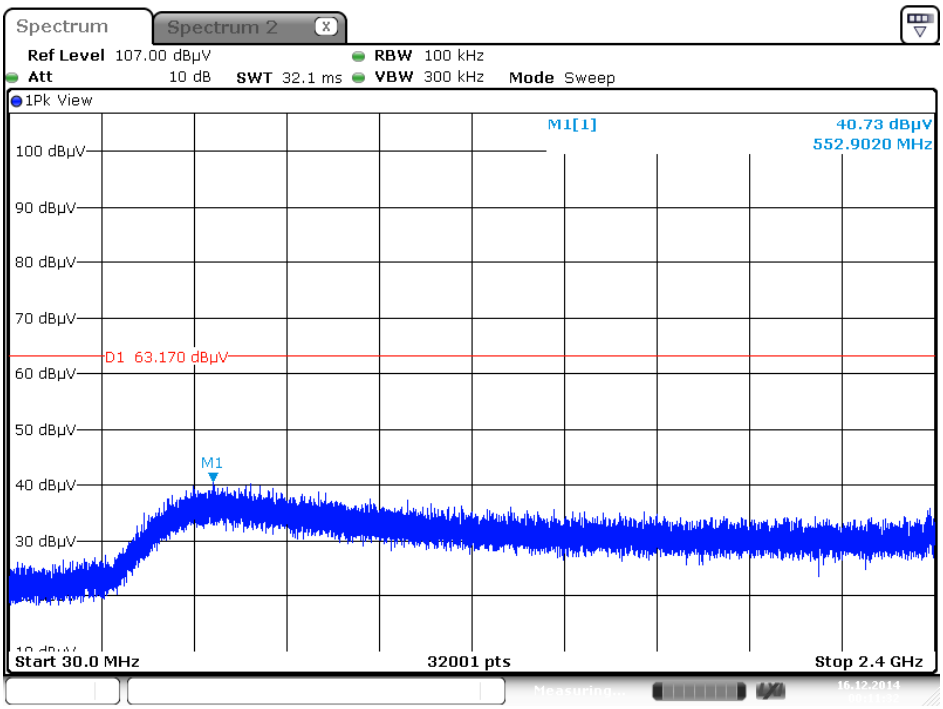
Date:16.DEC.2014 00:07:23

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



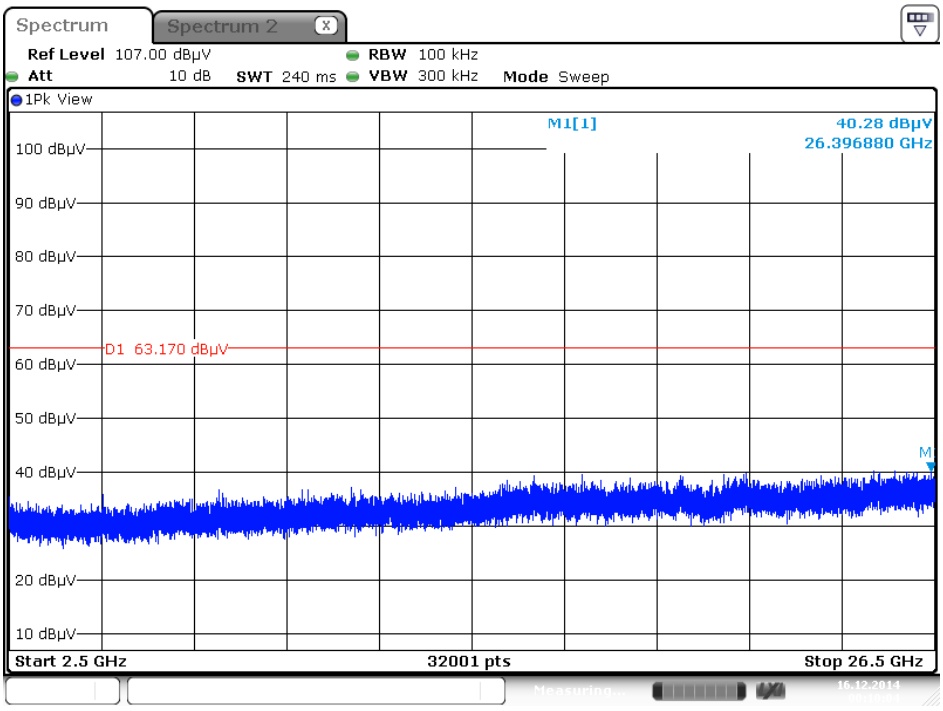
Date:16.DEC.2014 00:08:52

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

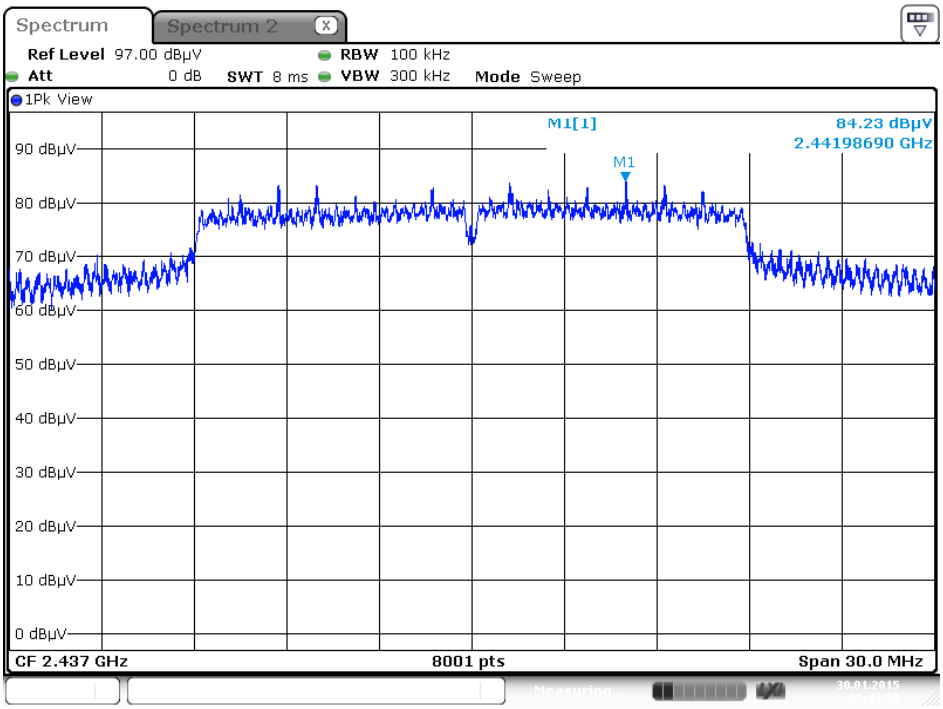


Date:16.DEC.2014 00:11:33

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

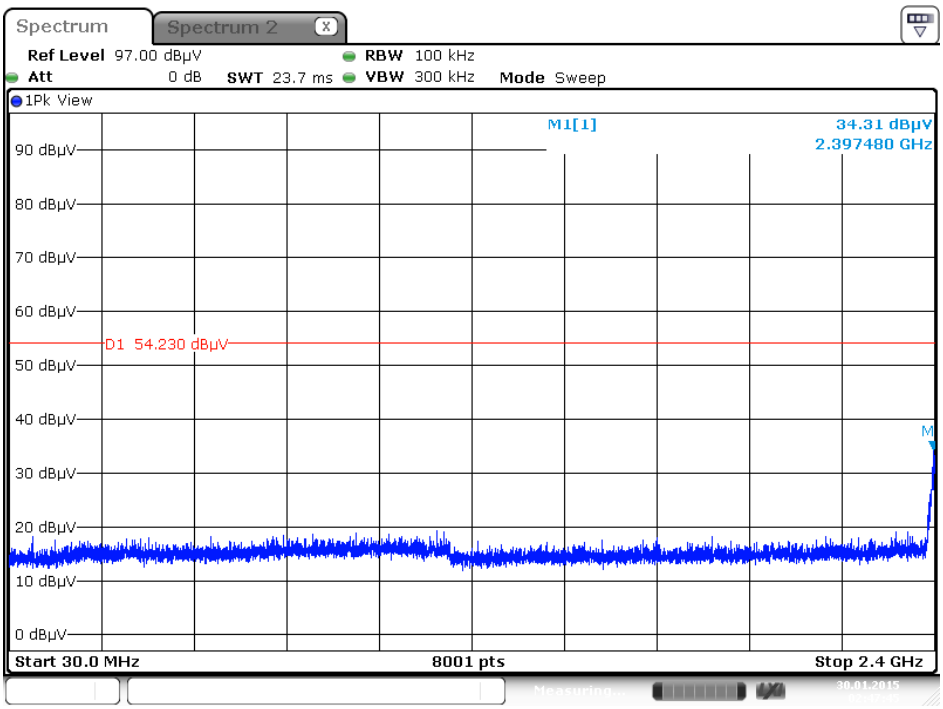


Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 / Reference Level



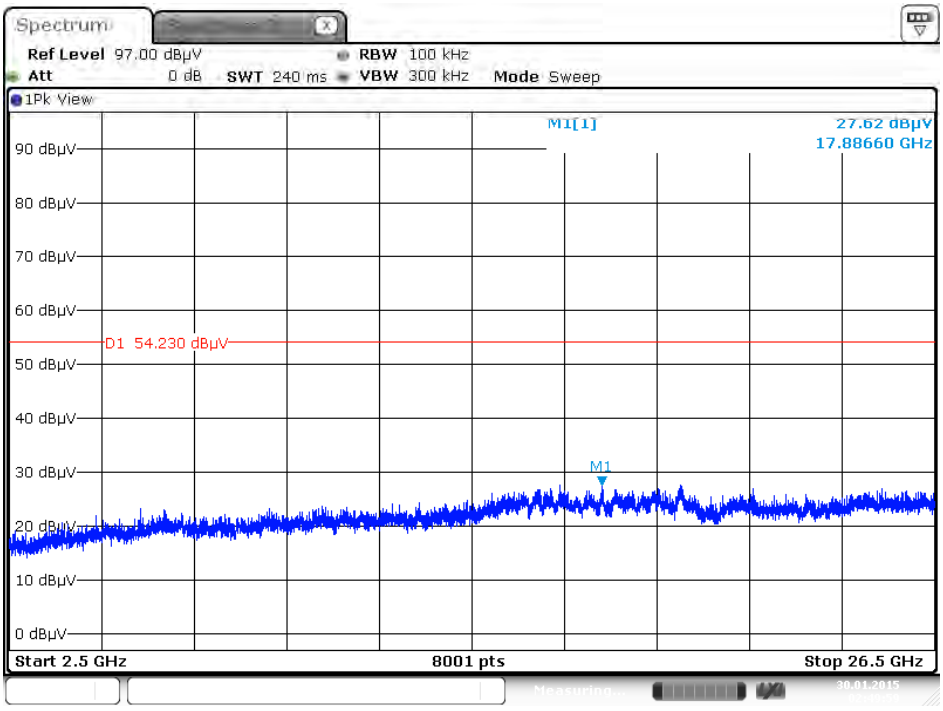
Date: 30.JAN.2015 02:43:30

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 HT20 / CH 1 / 30MHz~2400MHz (down 30dBc)



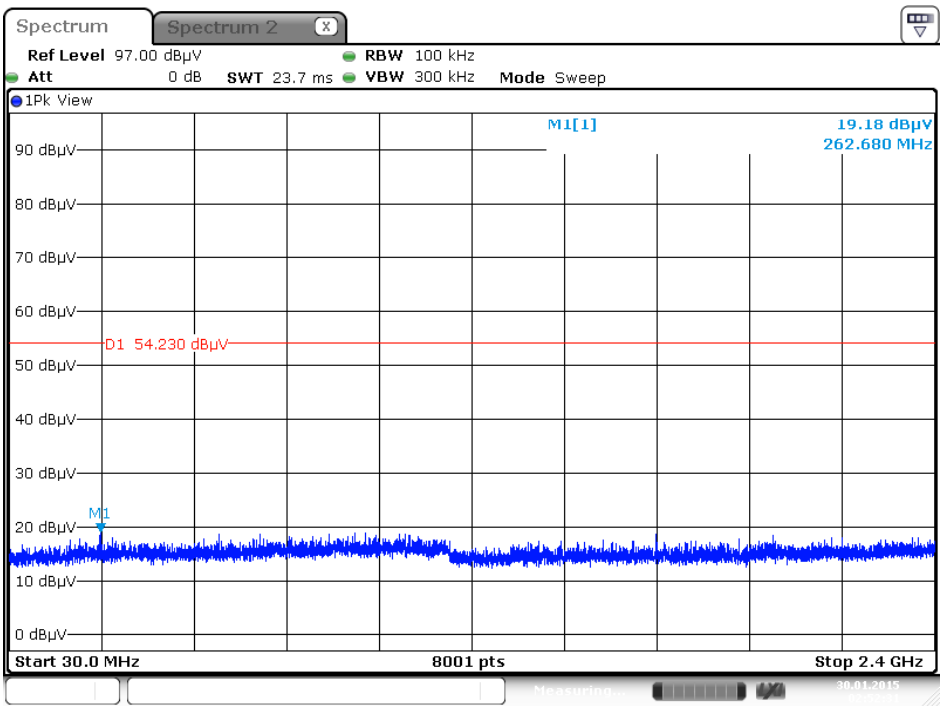
Date: 30.JAN.2015 02:47:45

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 / CH 1 / 2500MHz~26500MHz (down 30dBc)



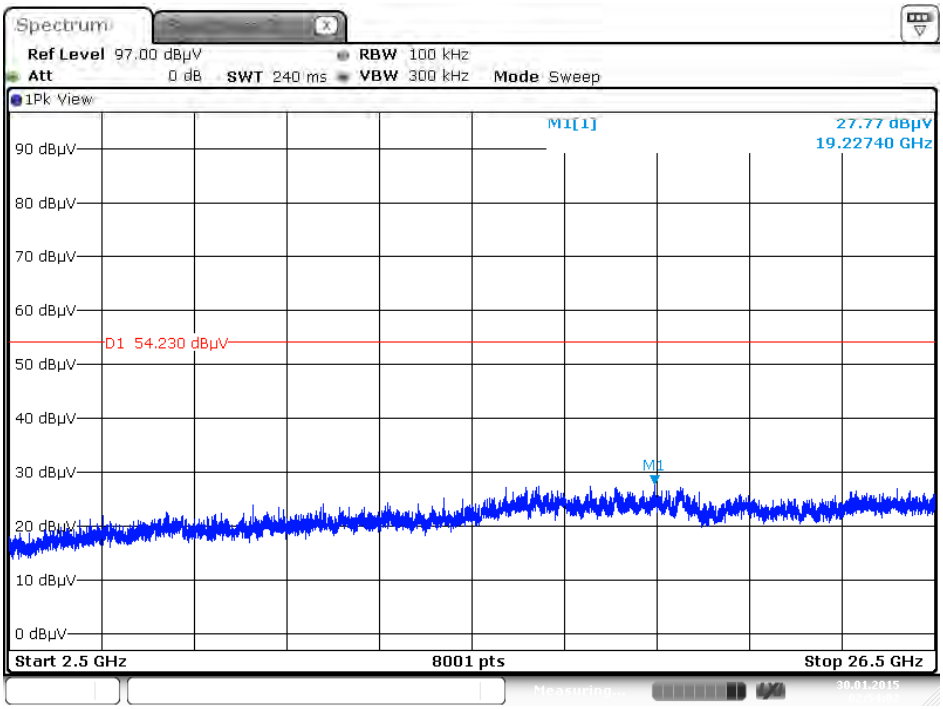
Date: 30.JAN.2015 02:49:59

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 / CH 11 / 30MHz~2400MHz (down 30dBc)



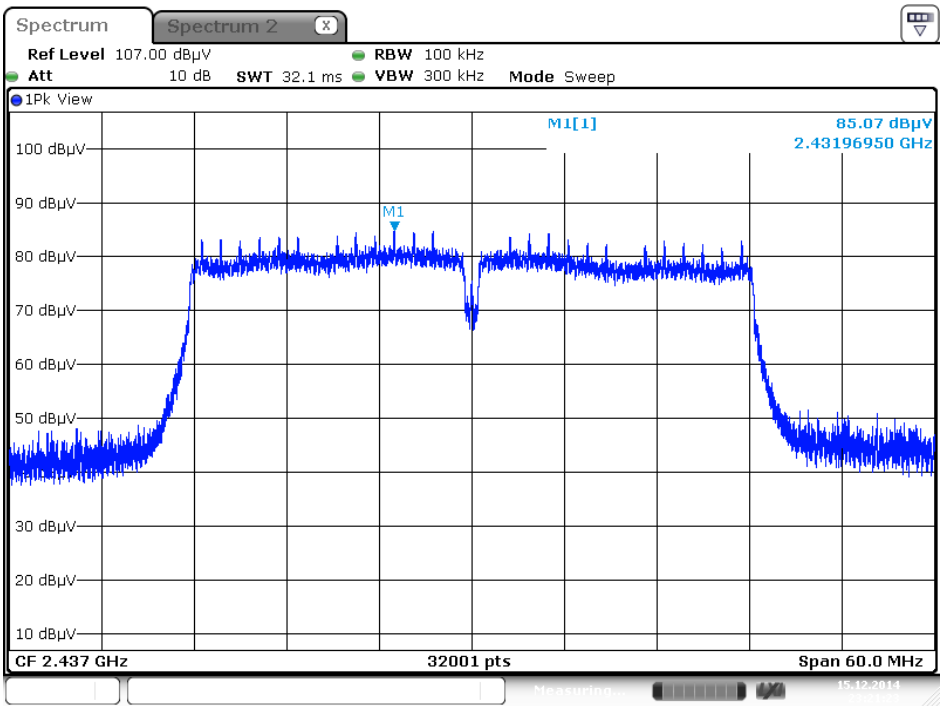
Date: 30.JAN.2015 02:52:31

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



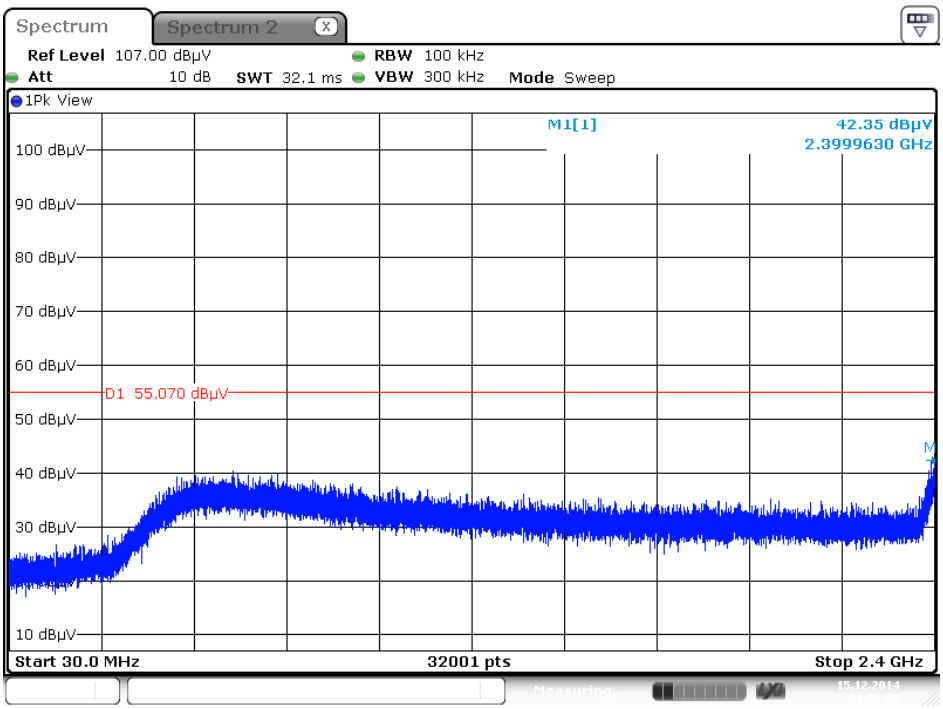
Date: 30.JAN.2015 02:54:02

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / Reference Level



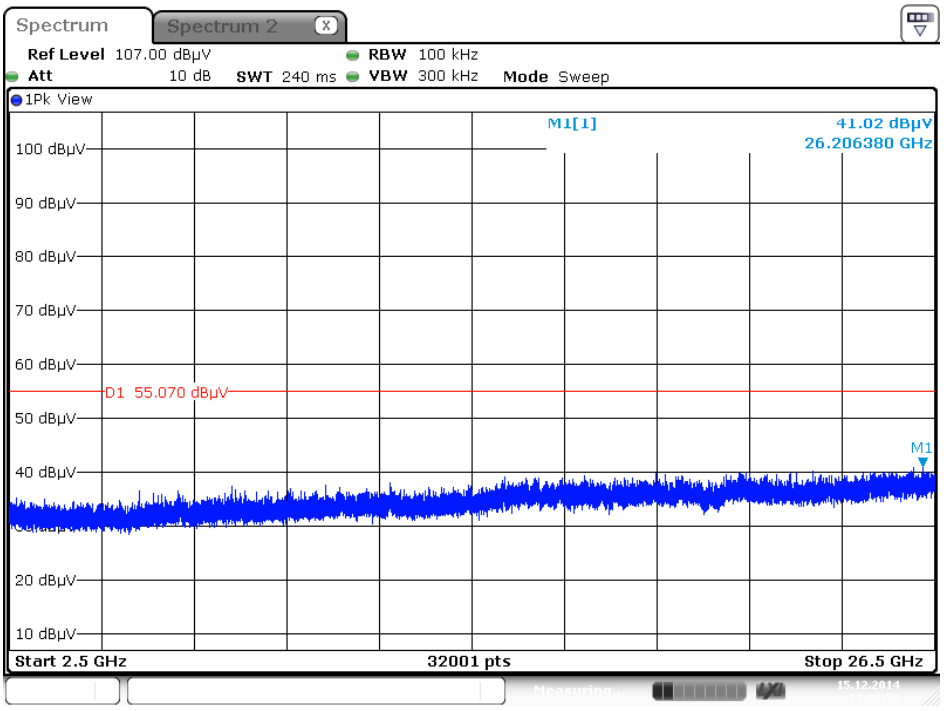
Date:15.DEC.2014 23:21:23

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / CH 3 / 30MHz~2400MHz (down 30dBc)



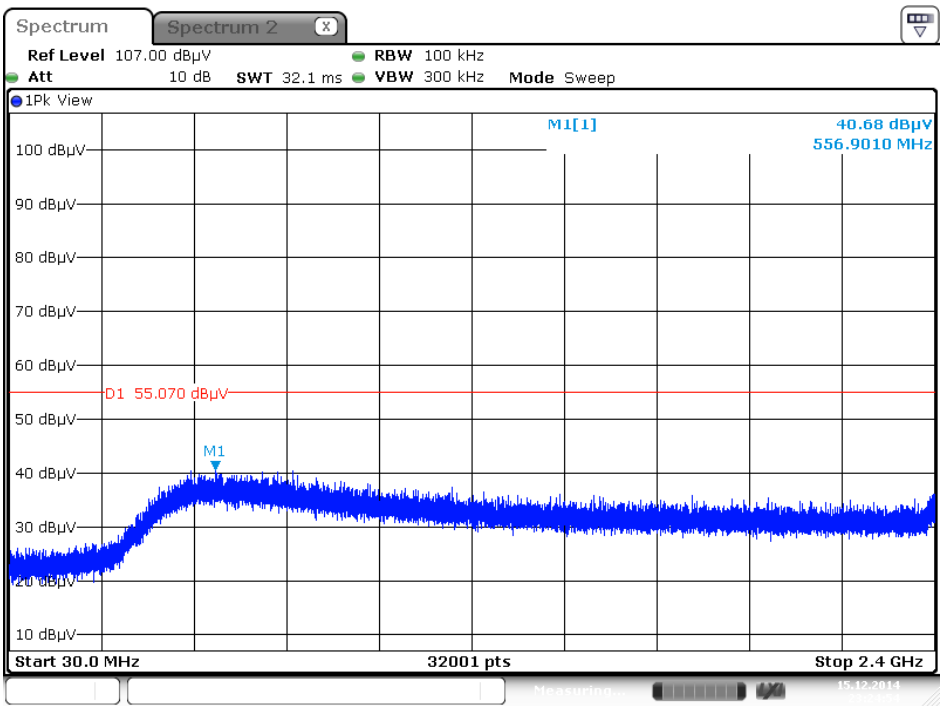
Date:15.DEC.2014 23:22:08

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / CH 3 / 2500MHz~26500MHz (down 30dBc)



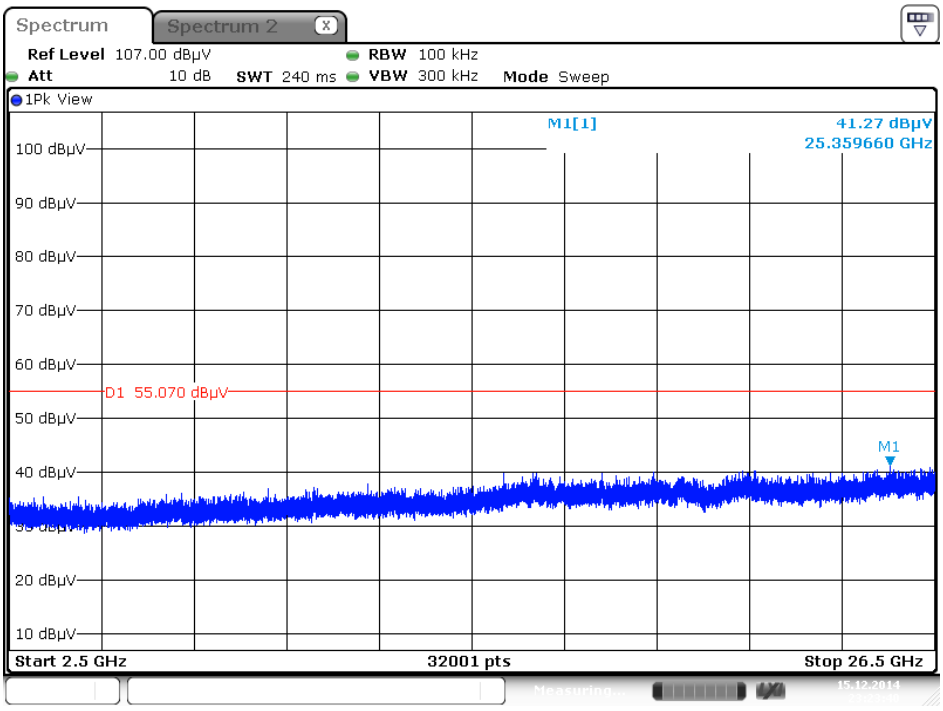
Date:15.DEC.2014 23:22:52

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / CH 9 / 30MHz~2400MHz (down 30dBc)



Date:15.DEC.2014 23:24:54

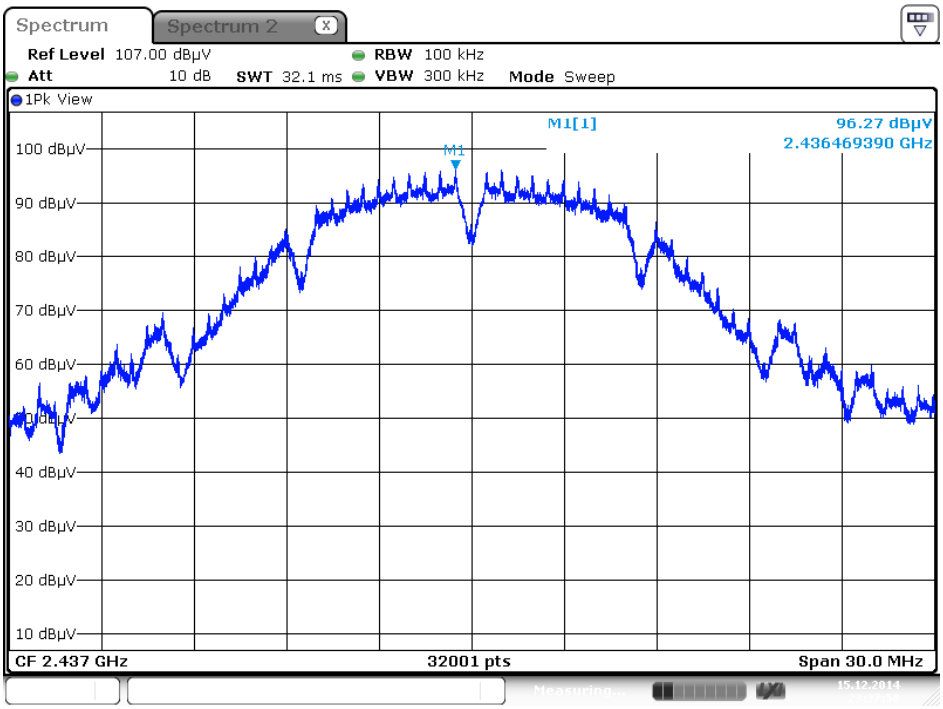
Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / CH 9 / 2500MHz~26500MHz (down 30dBc)



Date:15.DEC.2014 23:23:40

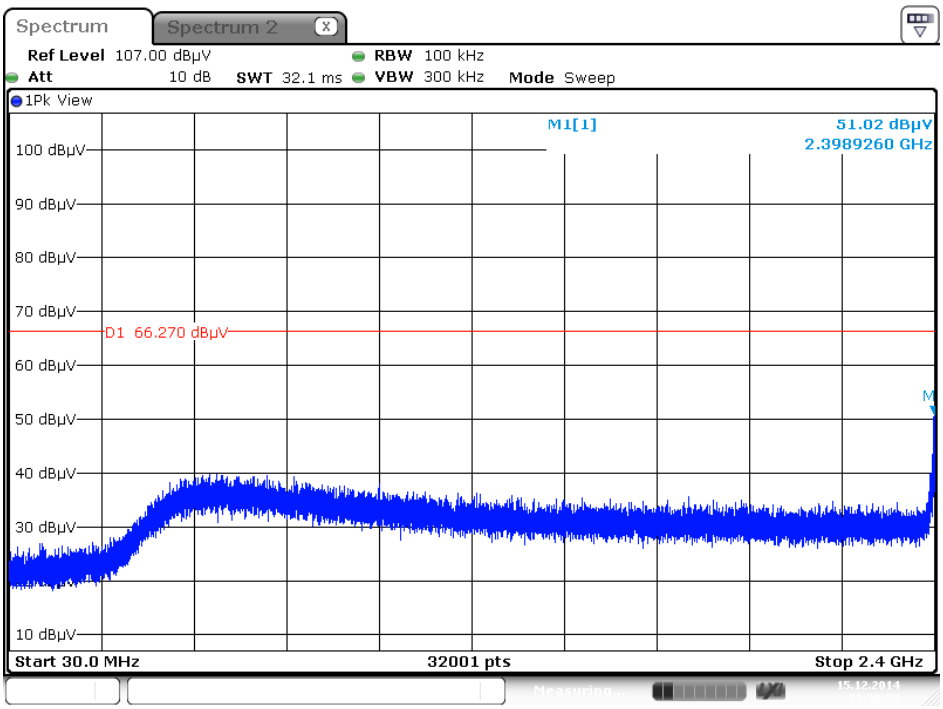
Mode 2: (Ant.7 Panel antenna / 6.5 dBi / 2TX)

Plot on Configuration IEEE 802.11b / Reference Level



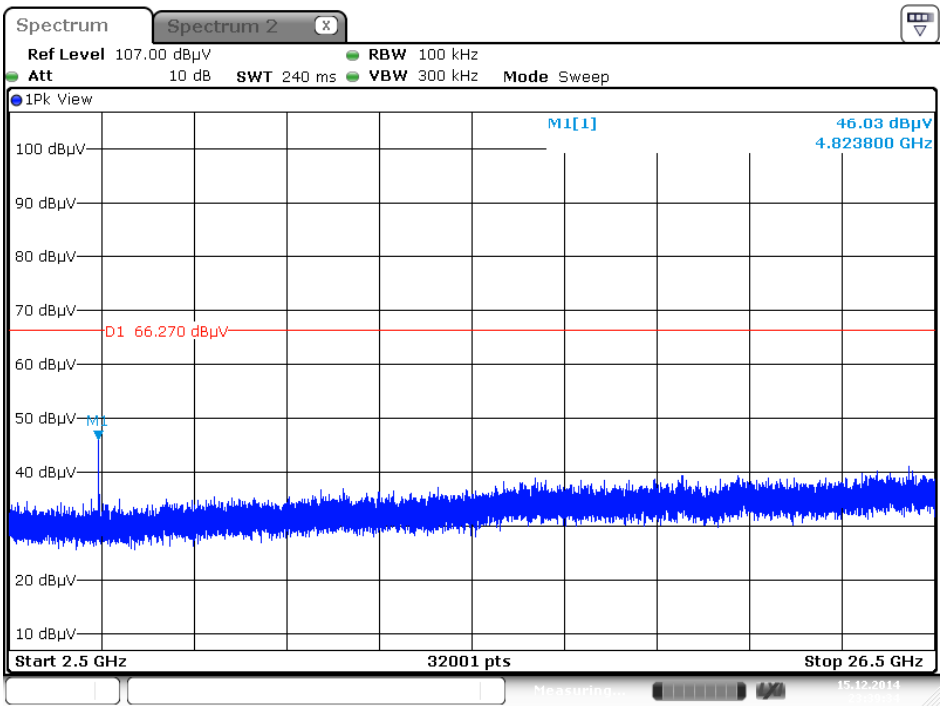
Date:15.DEC.2014 23:37:58

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



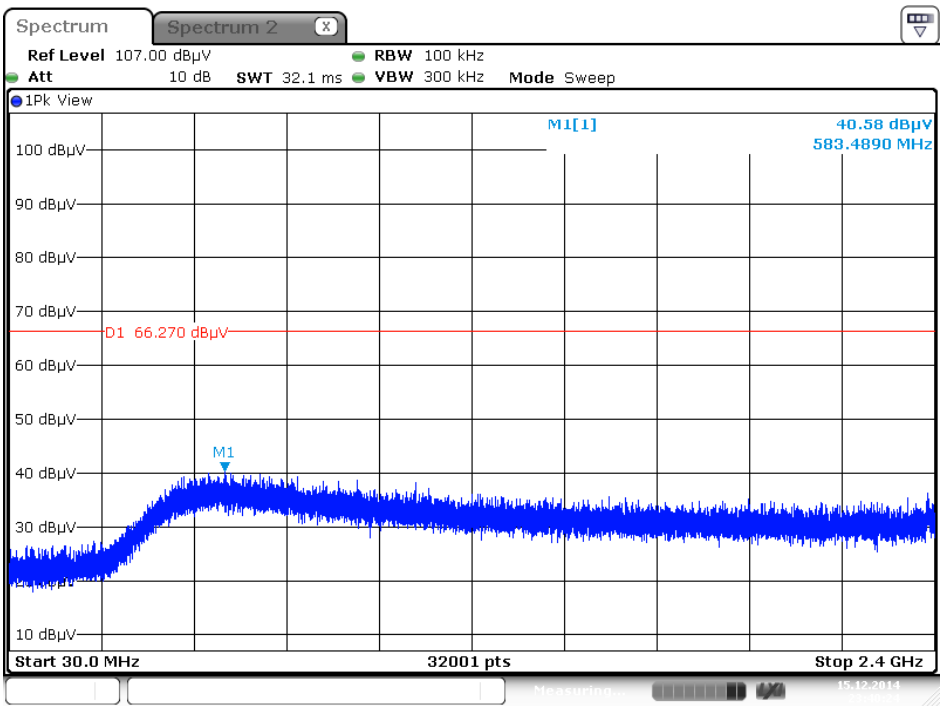
Date:15.DEC.2014 23:38:57

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



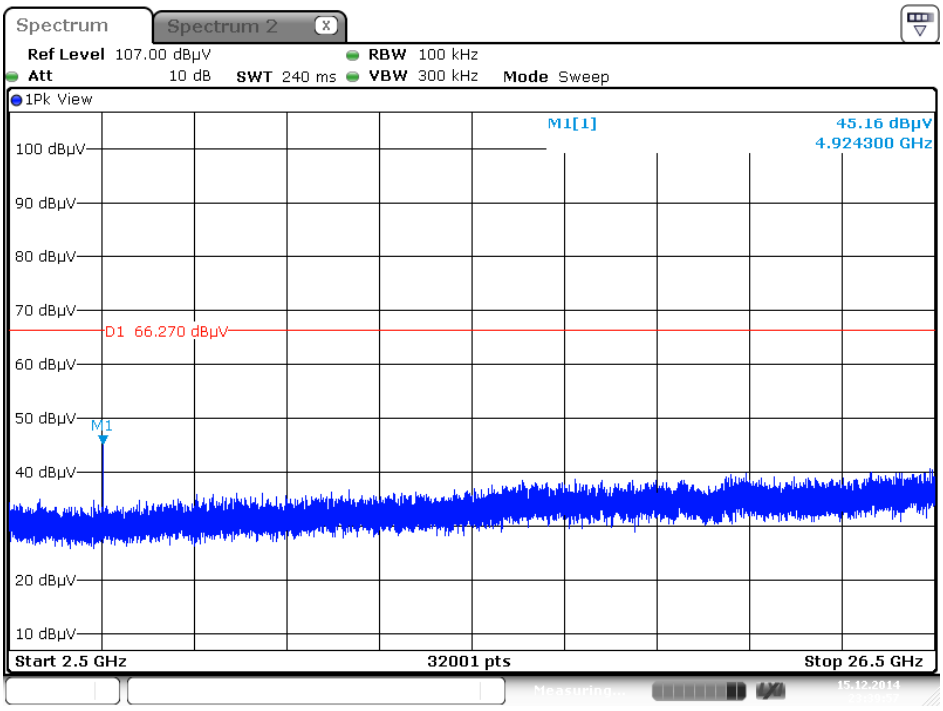
Date:15.DEC.2014 23:39:34

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



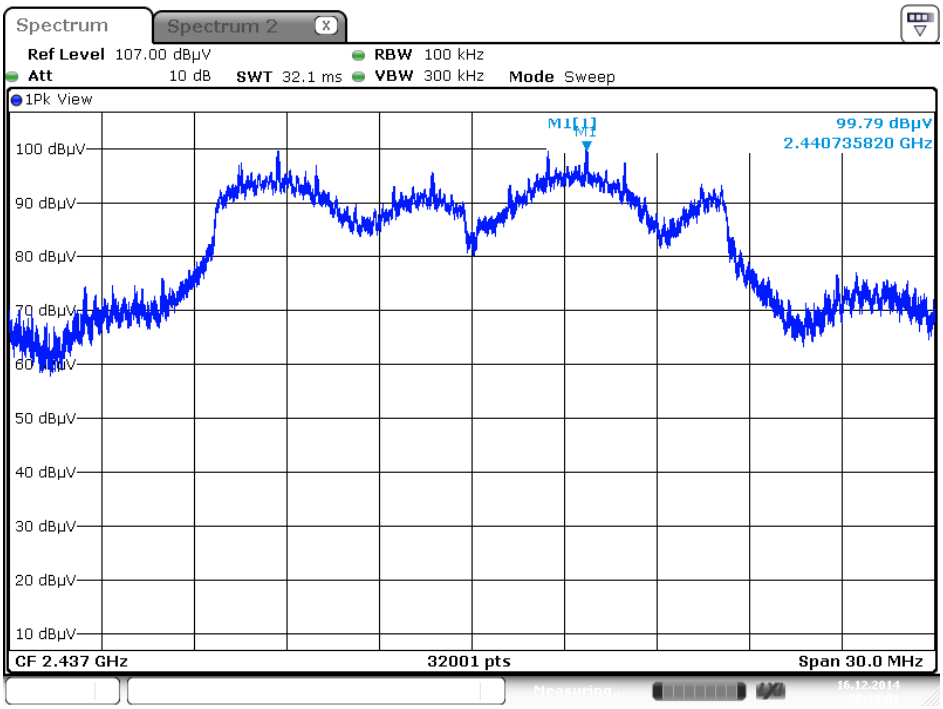
Date:15.DEC.2014 23:40:24

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



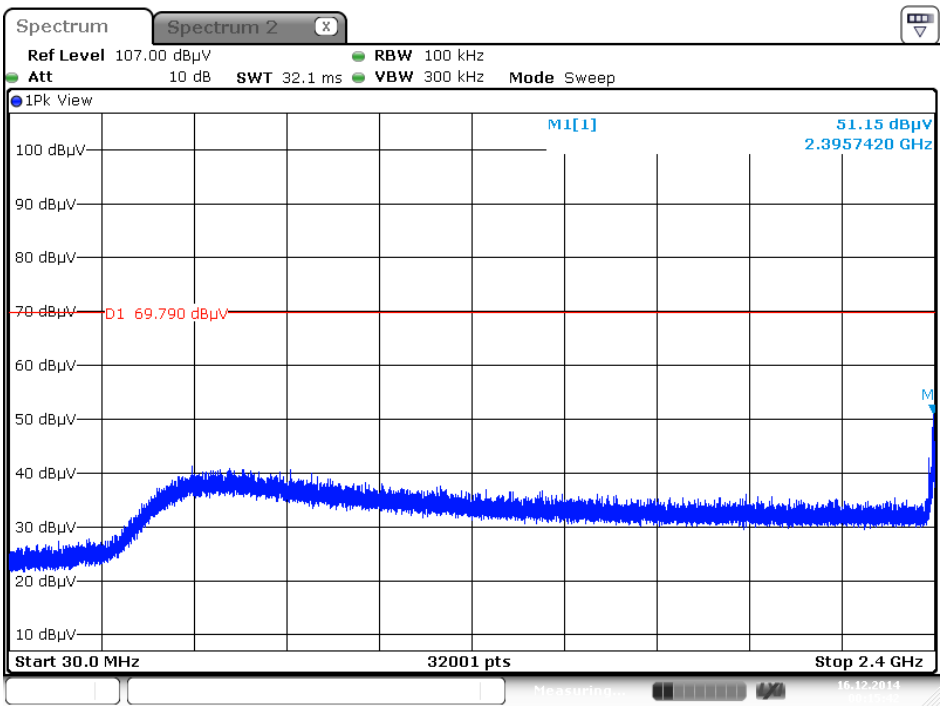
Date: 15.DEC.2014 23:39:57

Plot on Configuration IEEE 802.11g / Reference Level



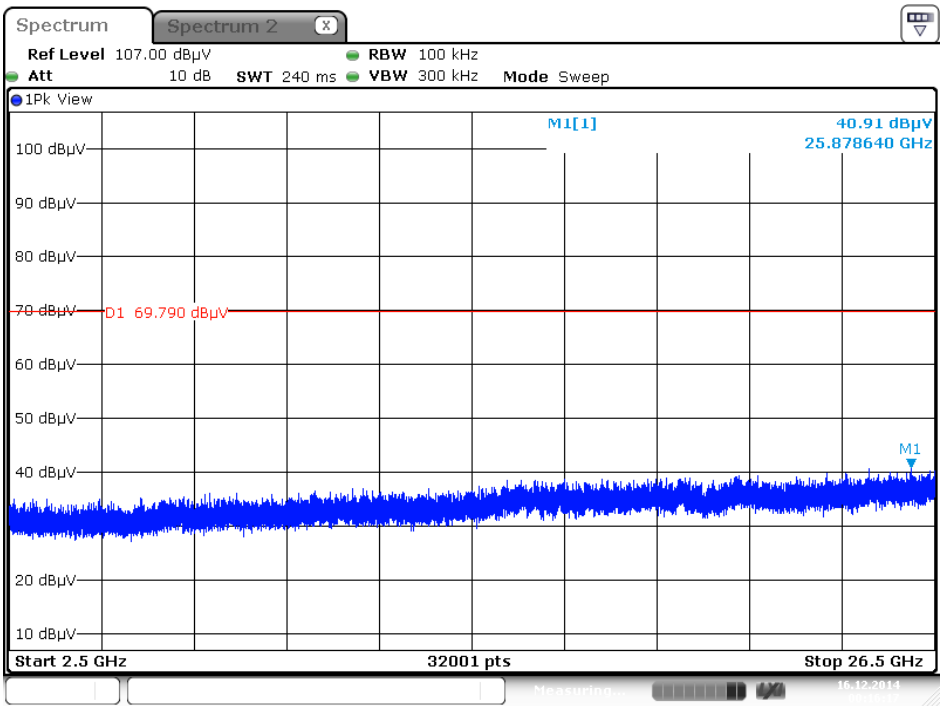
Date:16.DEC.2014 00:13:01

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



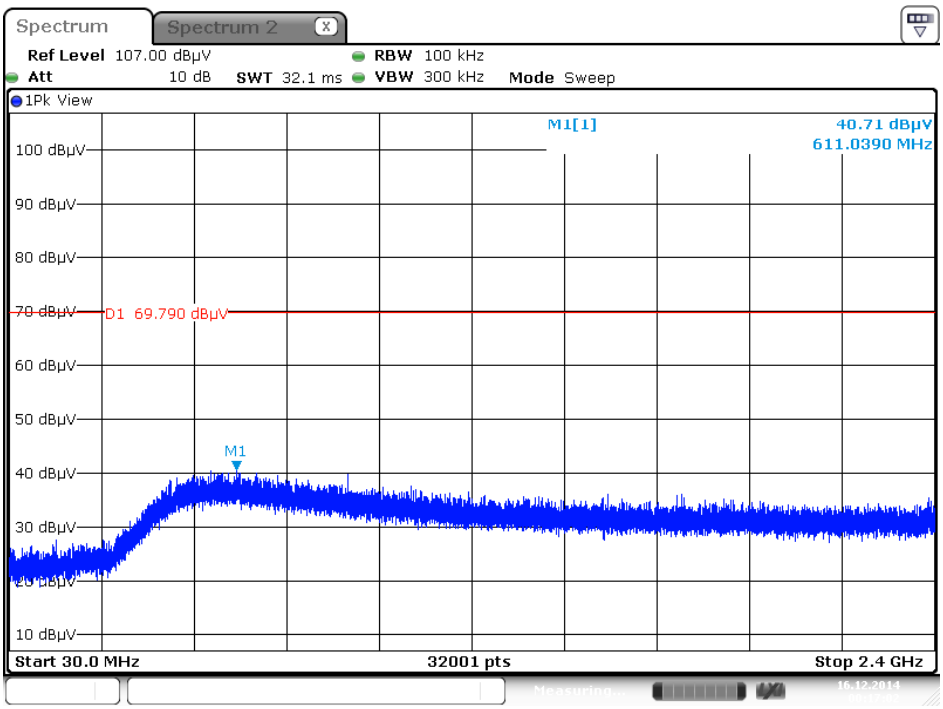
Date:16.DEC.2014 00:15:42

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



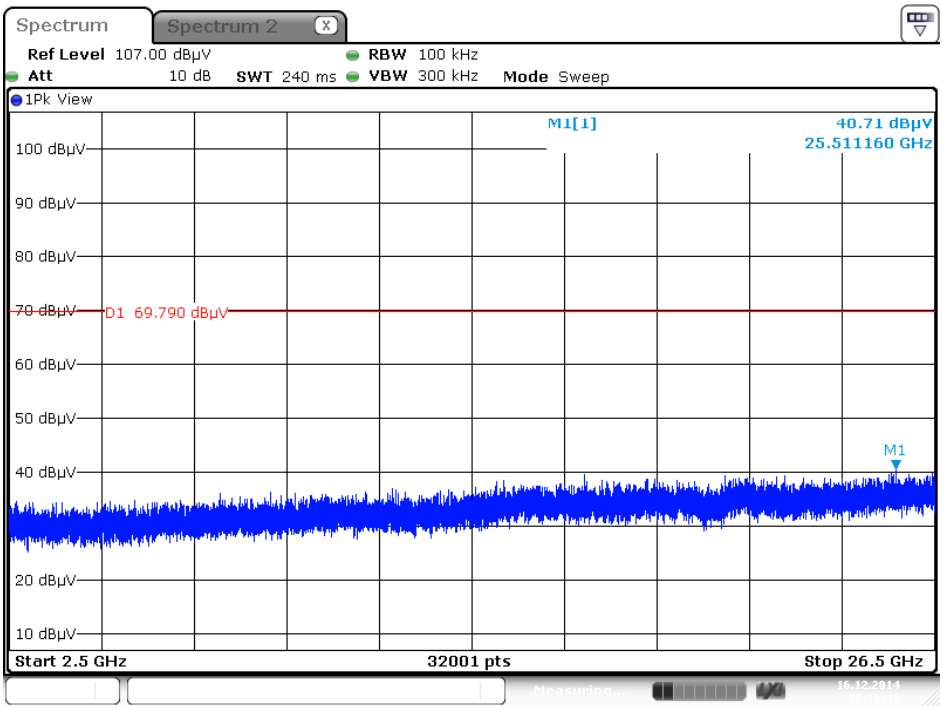
Date:16.DEC.2014 00:16:17

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



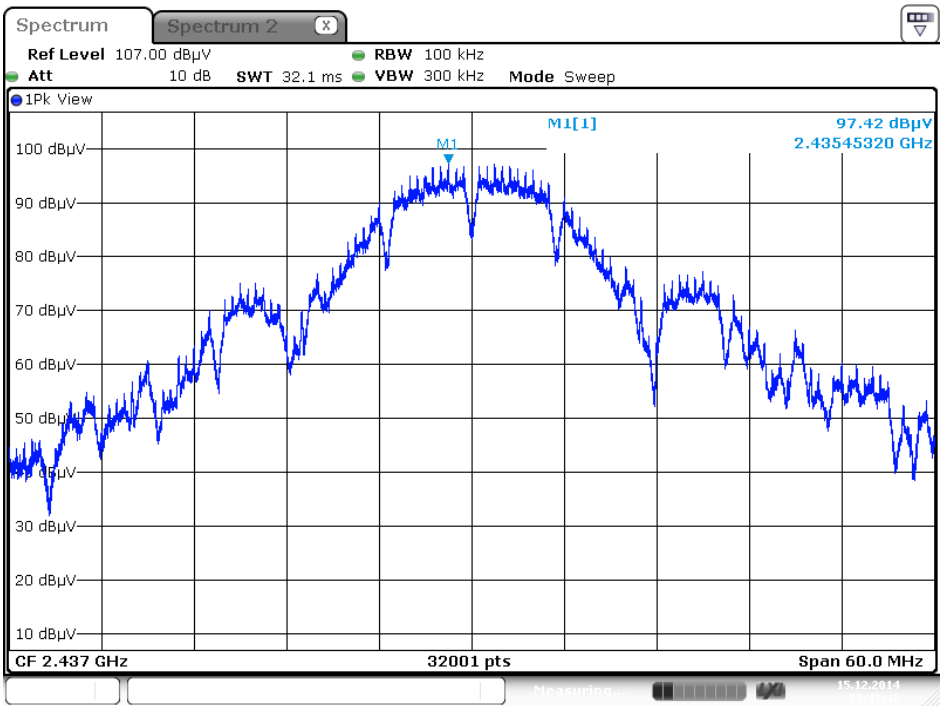
Date:16.DEC.2014 00:17:02

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



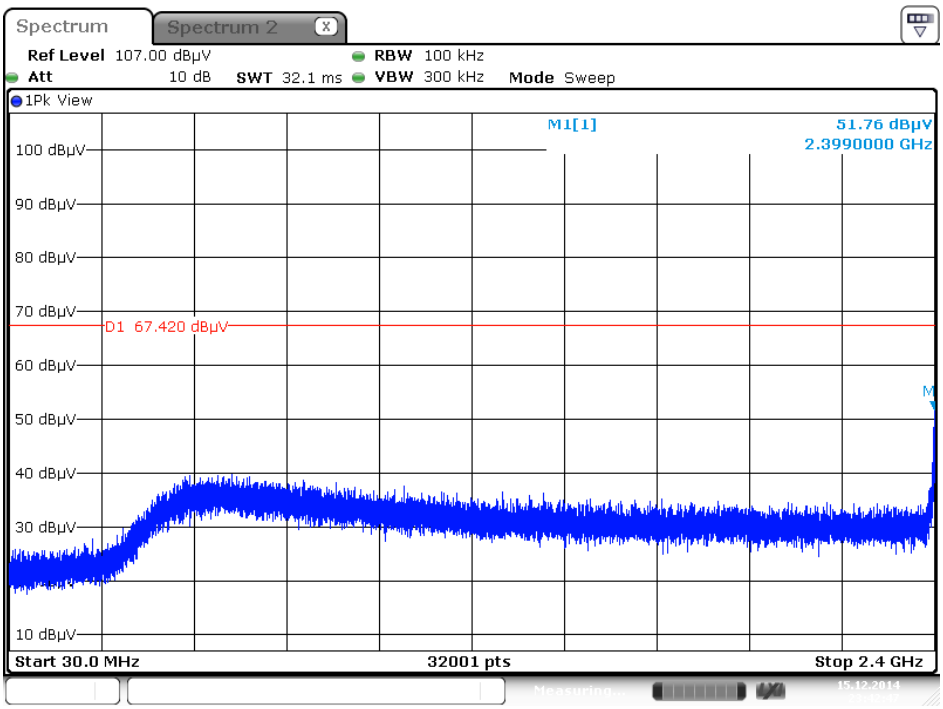
Mode 2: (Ant.7 Panel antenna / 6.5 dBi / 3TX)

Plot on Configuration IEEE 802.11b / Reference Level



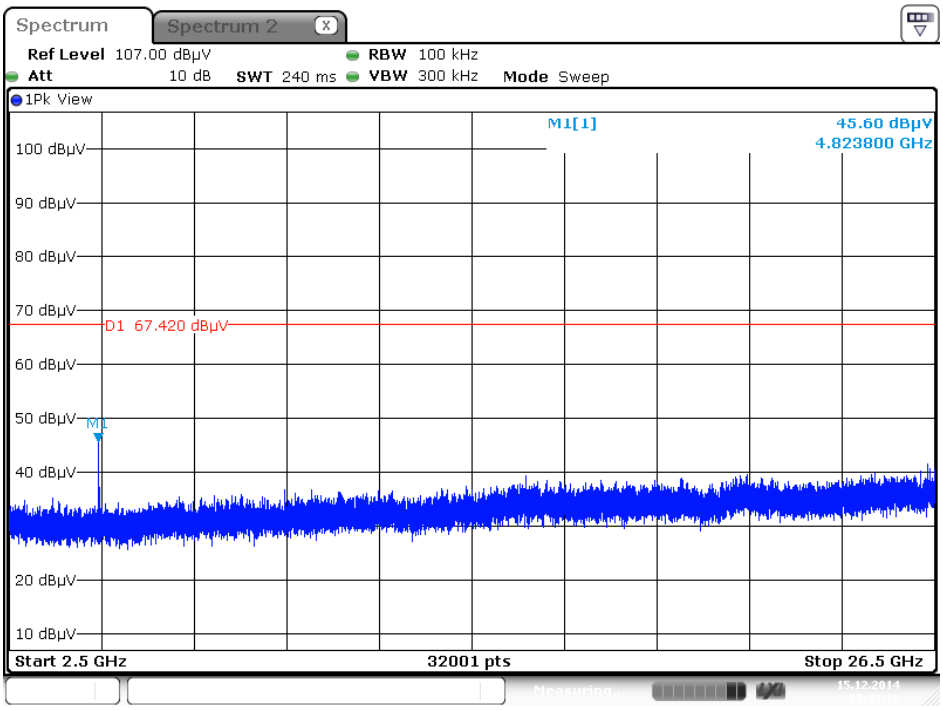
Date:15.DEC.2014 23:41:42

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



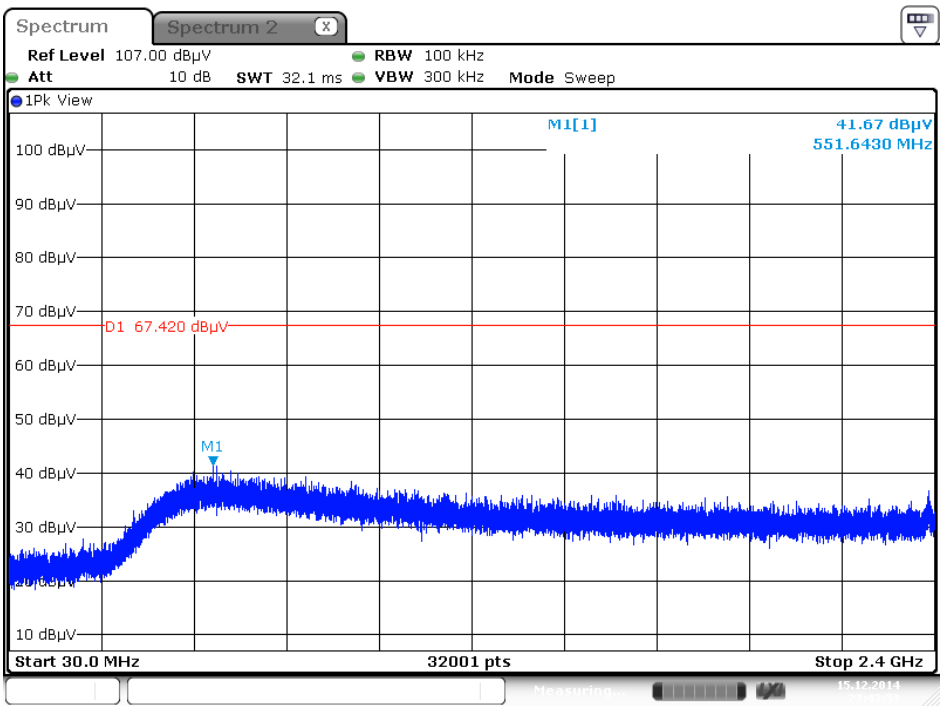
Date:15.DEC.2014 23:42:47

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



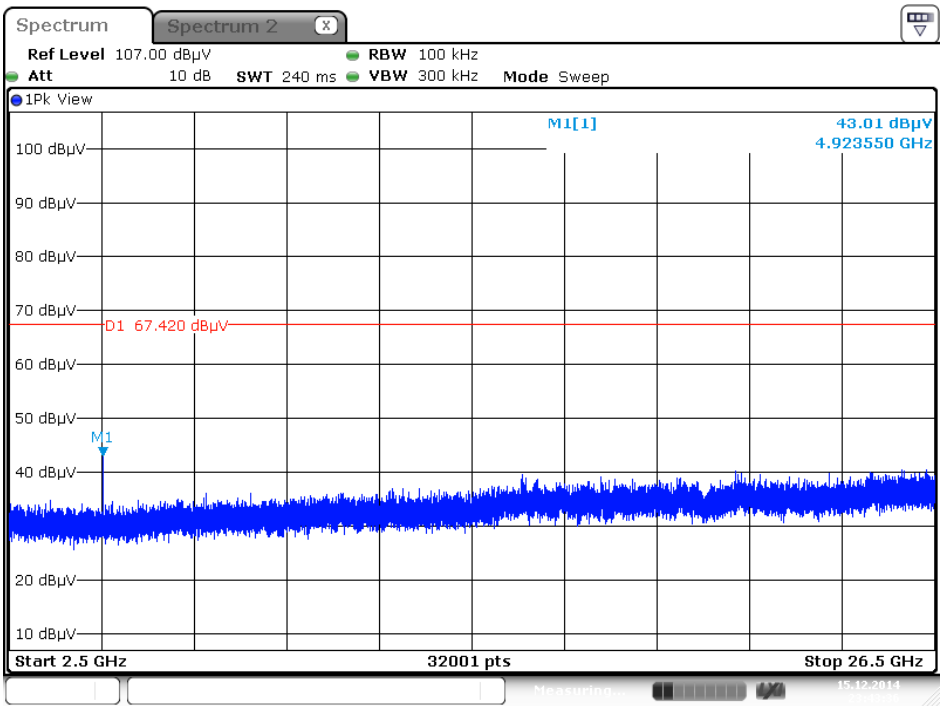
Date:15.DEC.2014 23:43:10

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



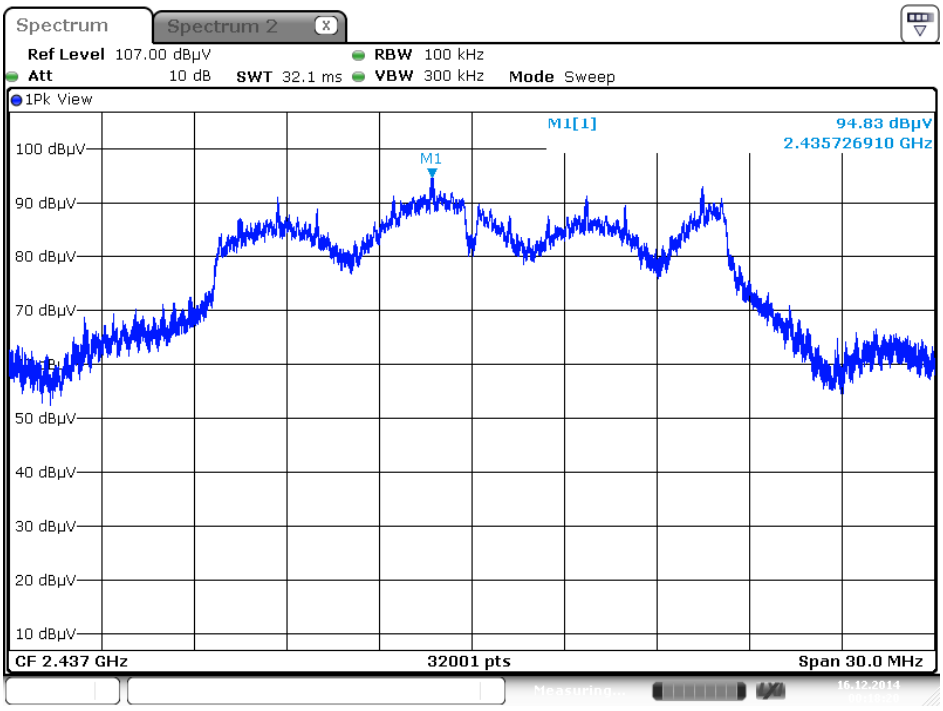
Date:15.DEC.2014 23:43:54

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



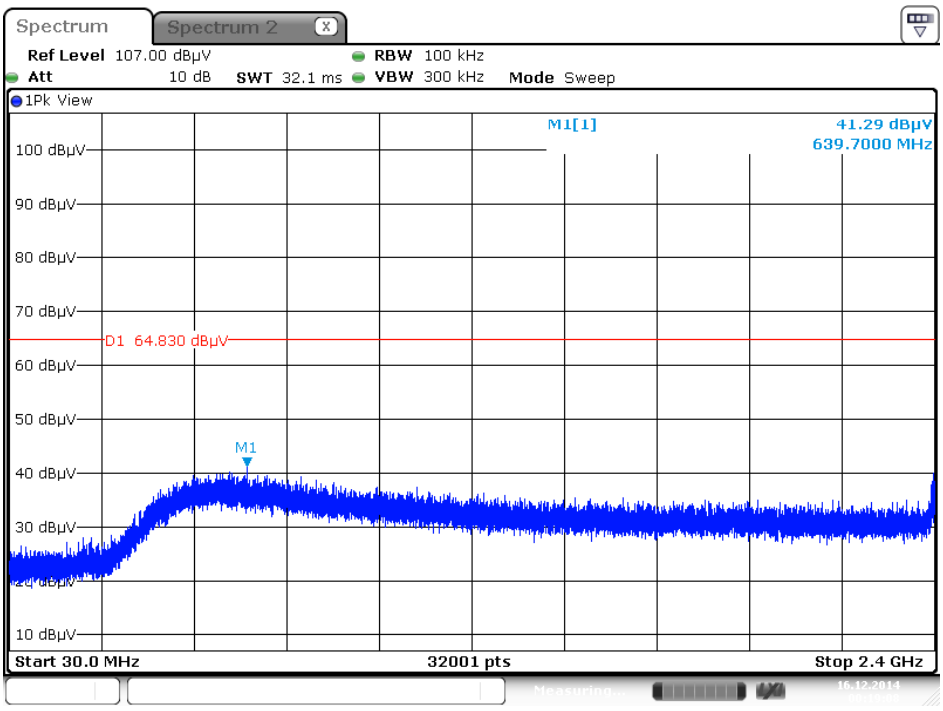
Date: 15.DEC.2014 23:43:36

Plot on Configuration IEEE 802.11g / Reference Level



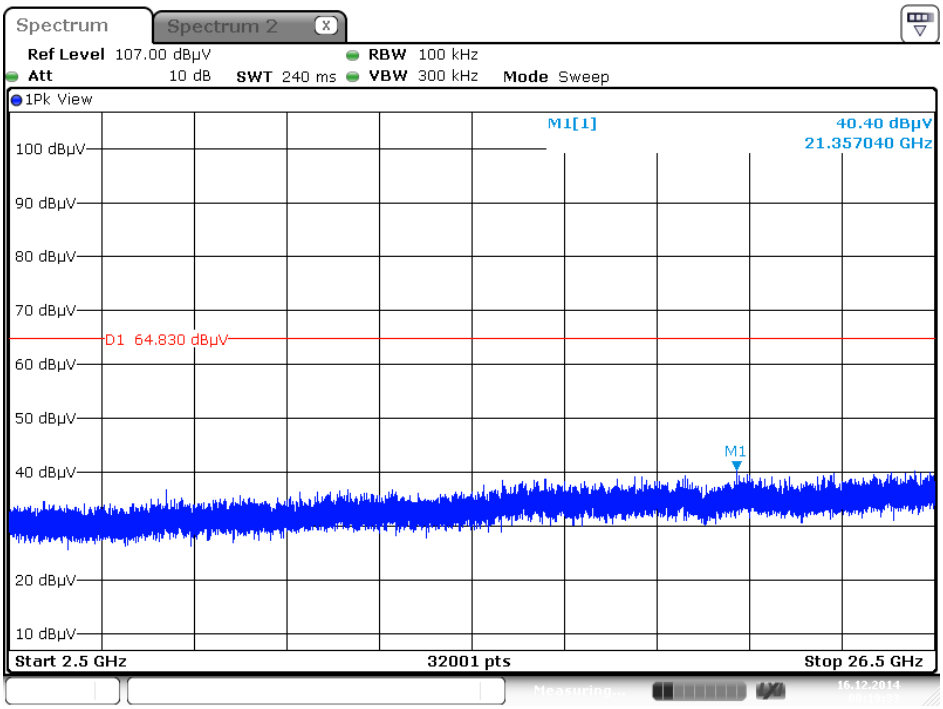
Date:16.DEC.2014 00:18:20

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



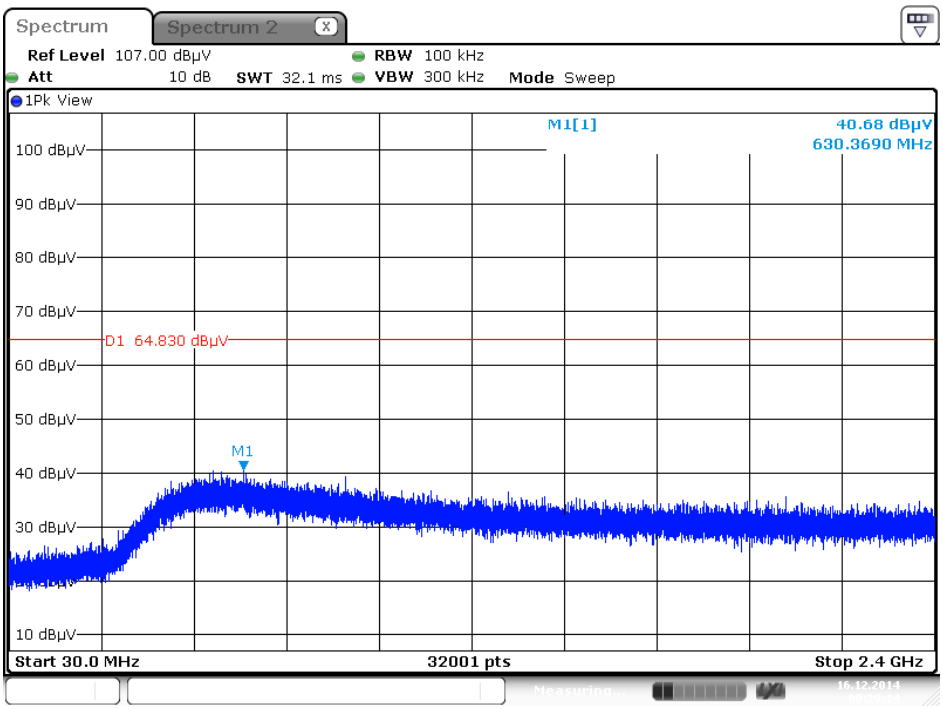
Date:16.DEC.2014 00:19:08

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



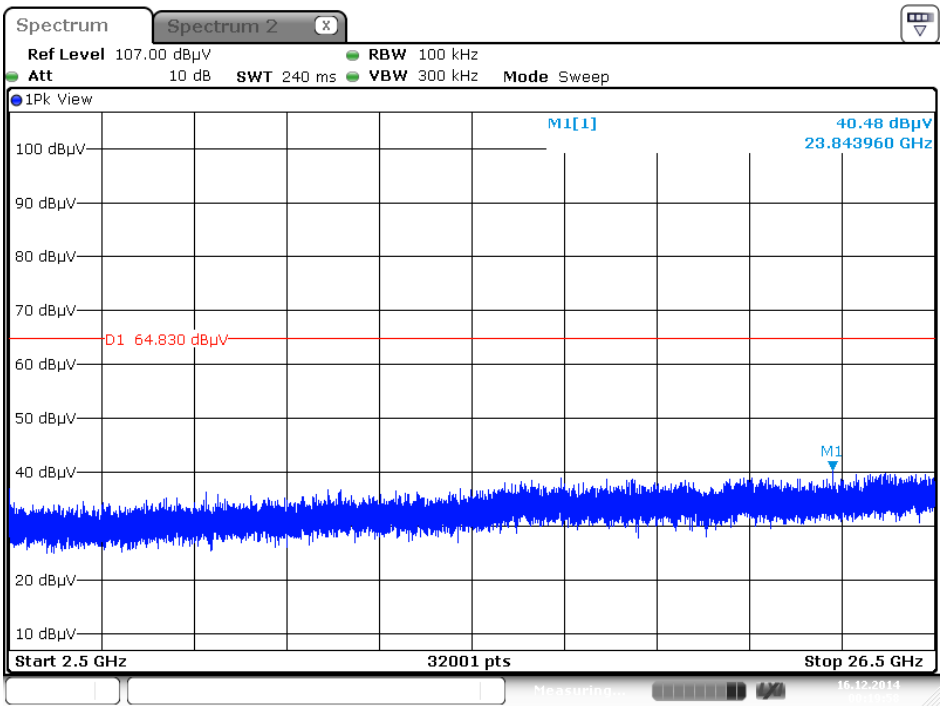
Date:16.DEC.2014 00:19:33

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



Date:16.DEC.2014 00:20:14

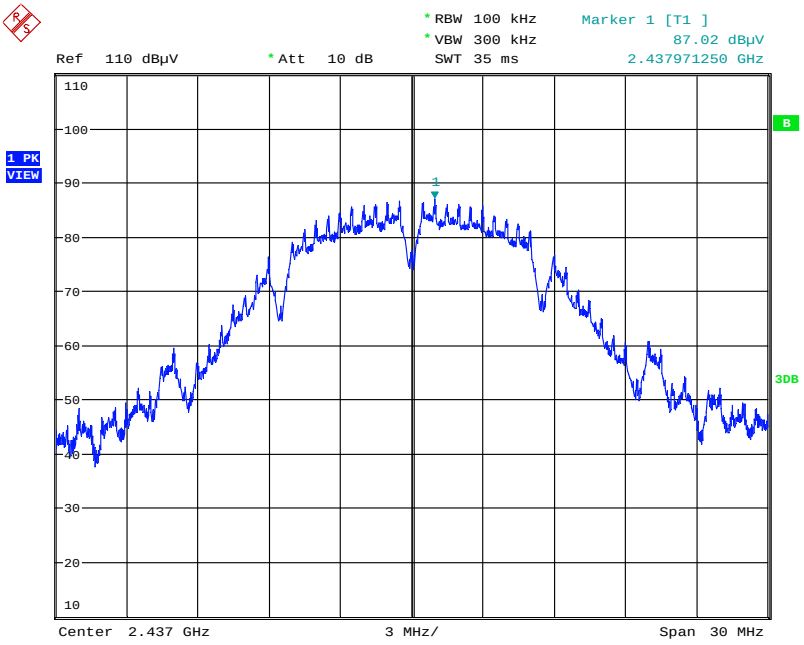
Plot on Configuration IEEE 802.11g / CH 11 / 2500MHz~26500MHz (down 30dBc)



Date:16.DEC.2014 00:19:58

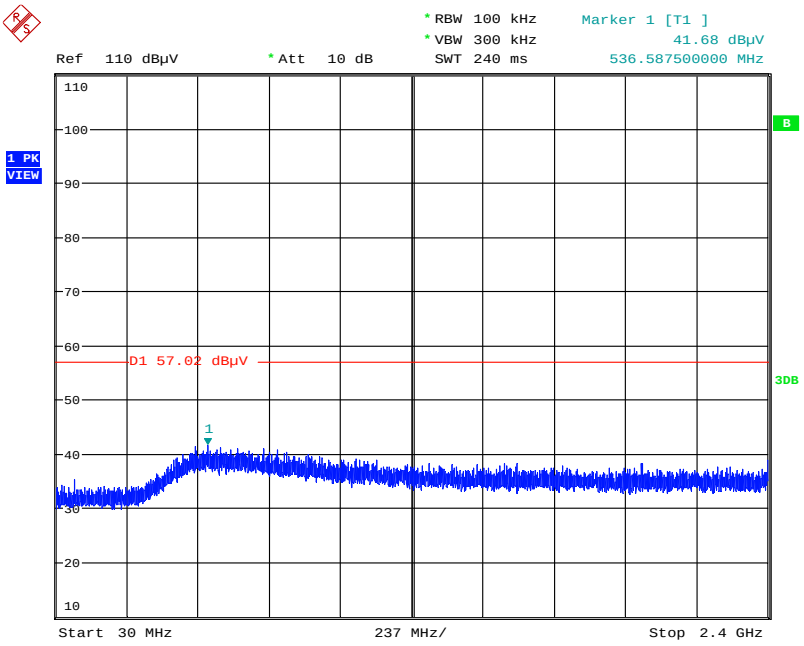
Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 1: 8.8, Chain 2: 5.9, Chain 3: 9 dBi / 1TX)

Plot on Configuration IEEE 802.11b / Reference Level



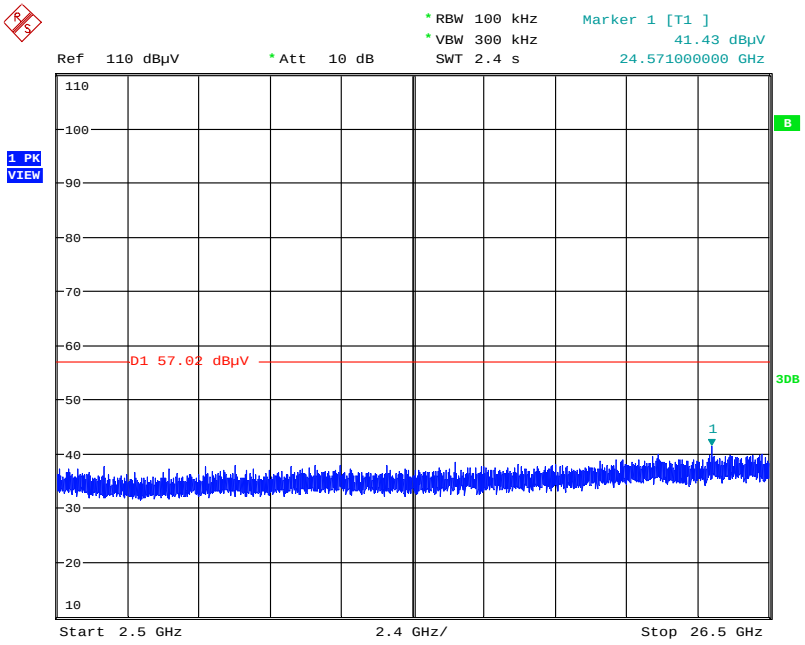
Date: 25.DEC.2014 02:27:08

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



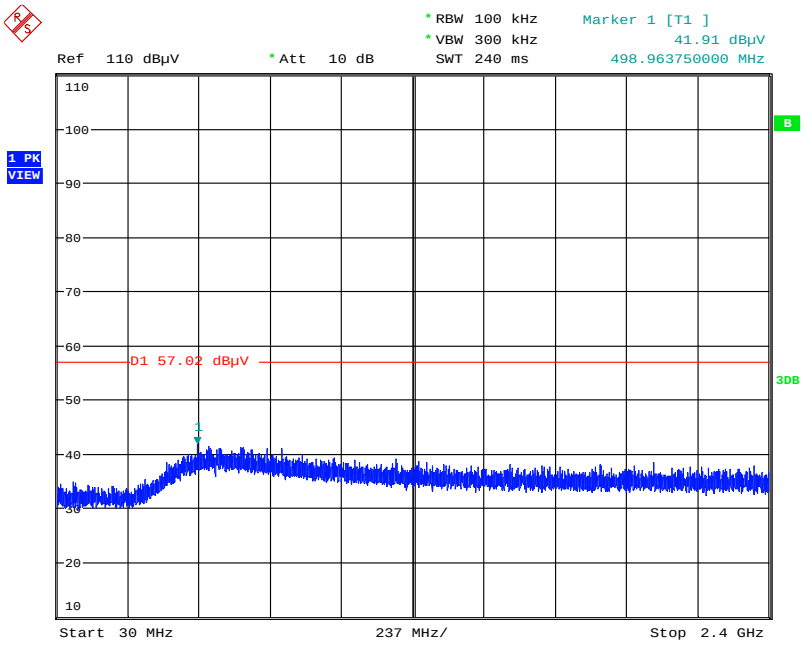
Date: 25.DEC.2014 02:28:15

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



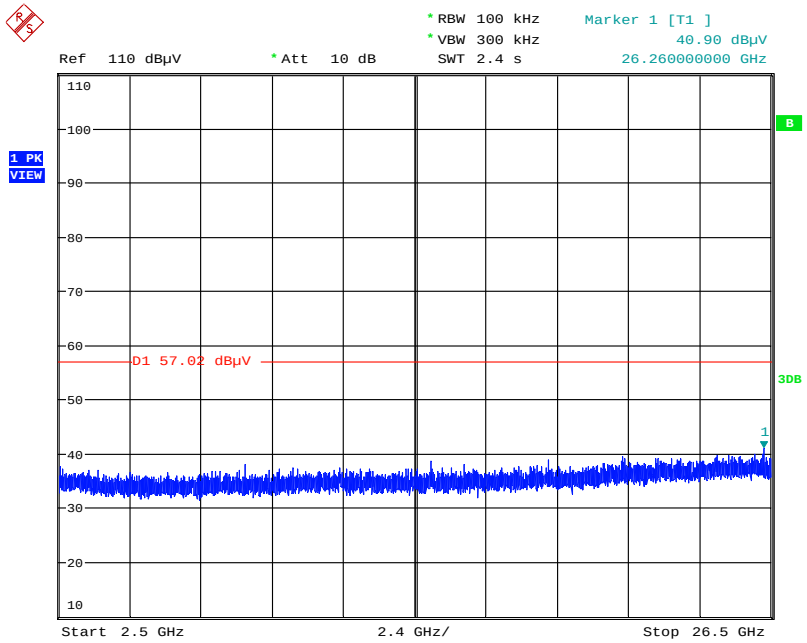
Date: 25.DEC.2014 02:28:46

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

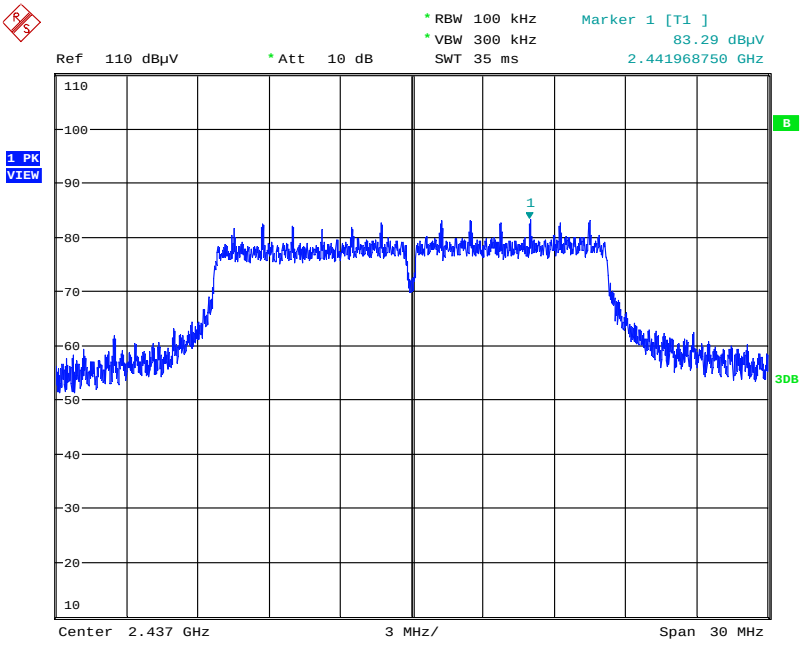


Date: 25.DEC.2014 02:29:36

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

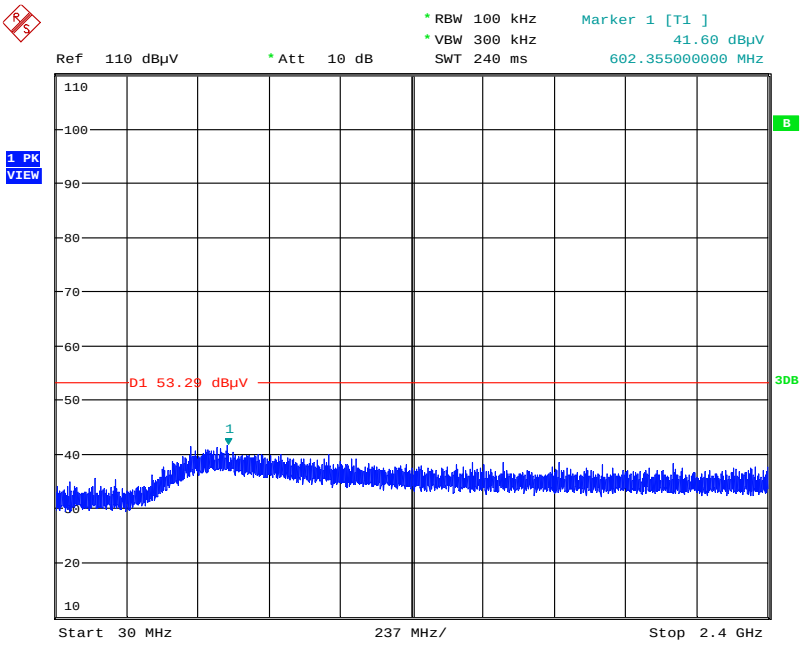


Plot on Configuration IEEE 802.11g / Reference Level



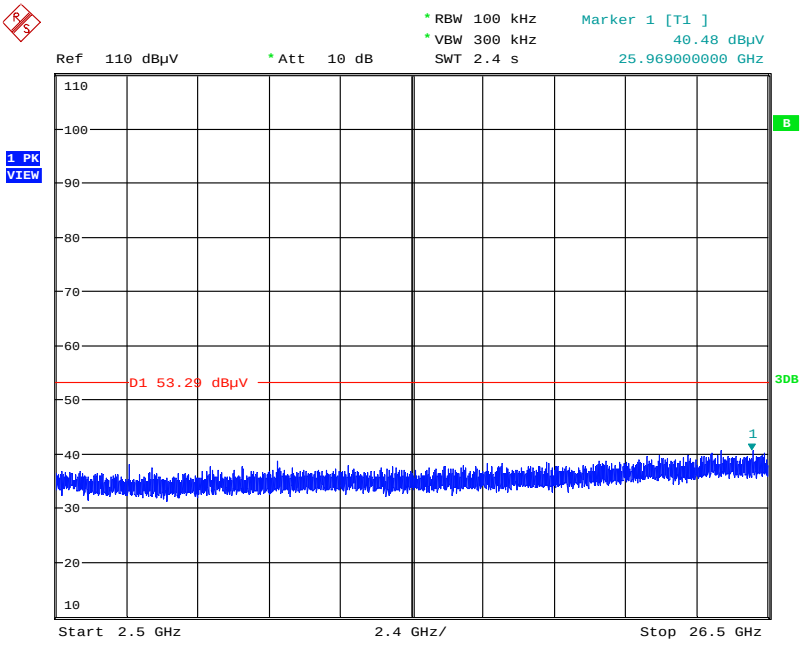
Date: 25.DEC.2014 02:34:08

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



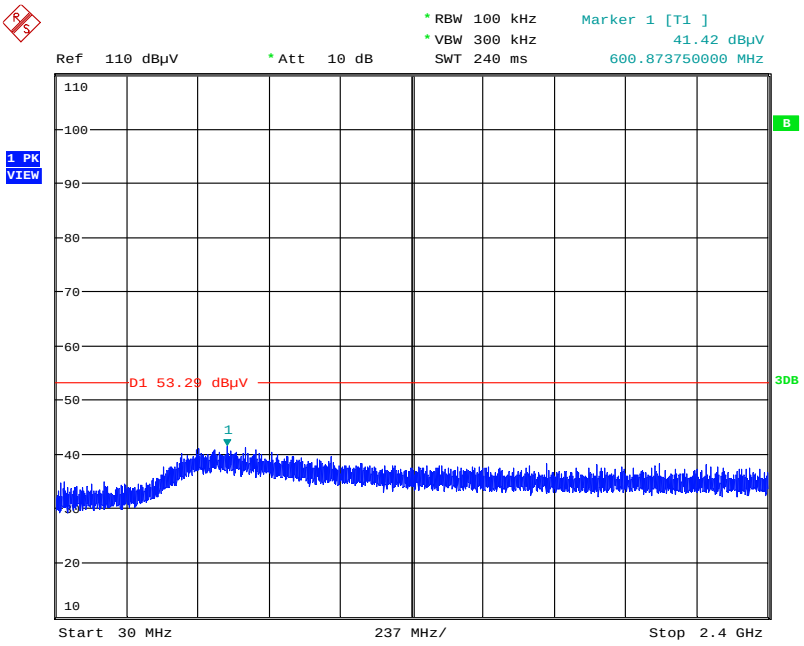
Date: 25.DEC.2014 02:35:17

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



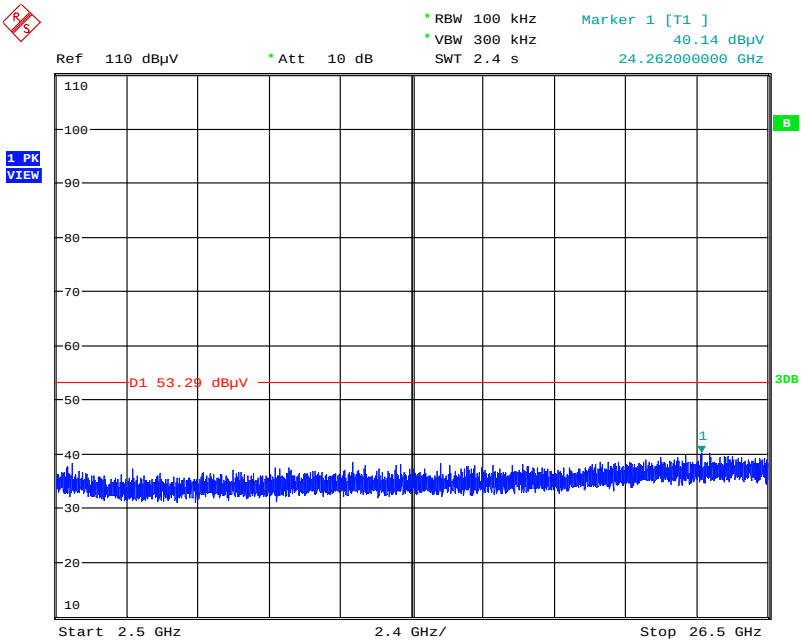
Date: 25.DEC.2014 02:35:56

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

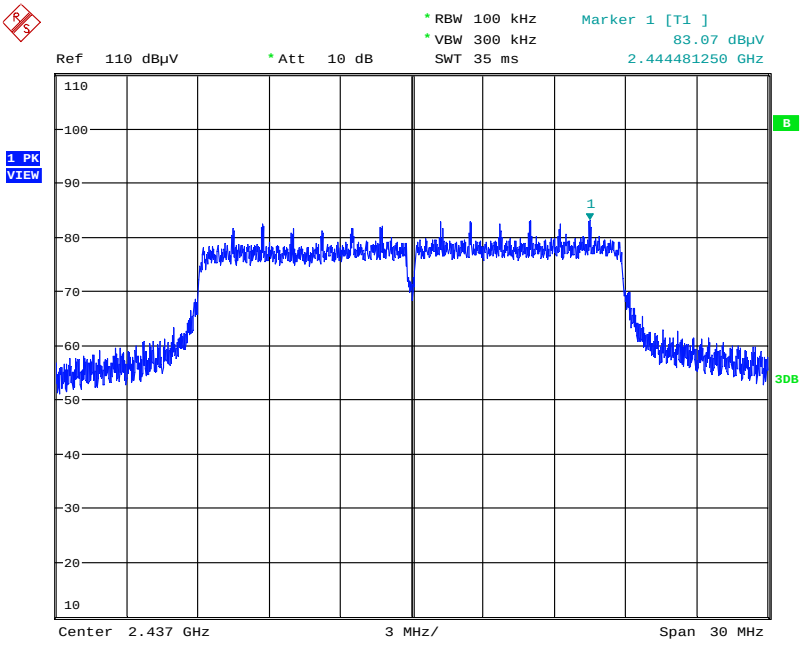


Date: 25.DEC.2014 02:36:46

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

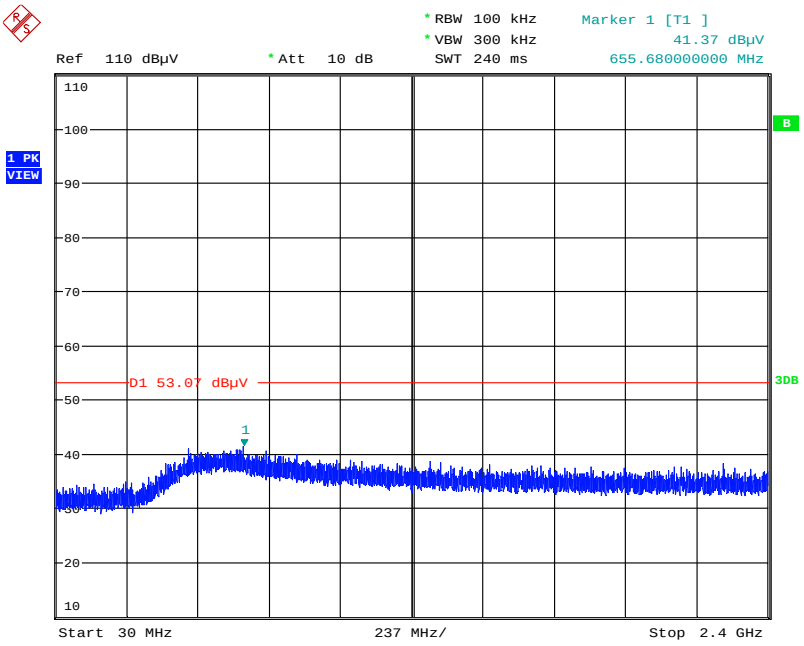


Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 / Reference Level



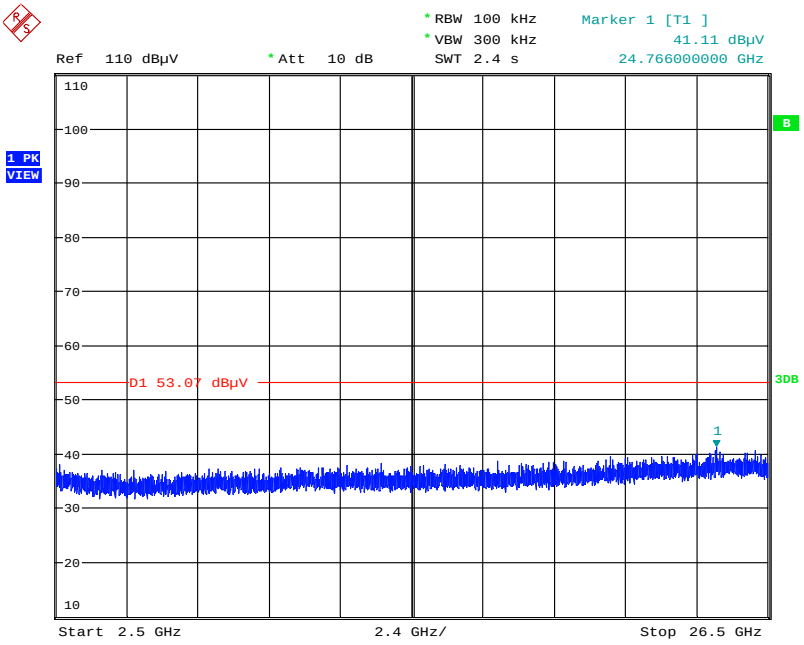
Date: 25.DEC.2014 02:41:54

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 HT20 / CH 1 / 30MHz~2400MHz (down 30dBc)



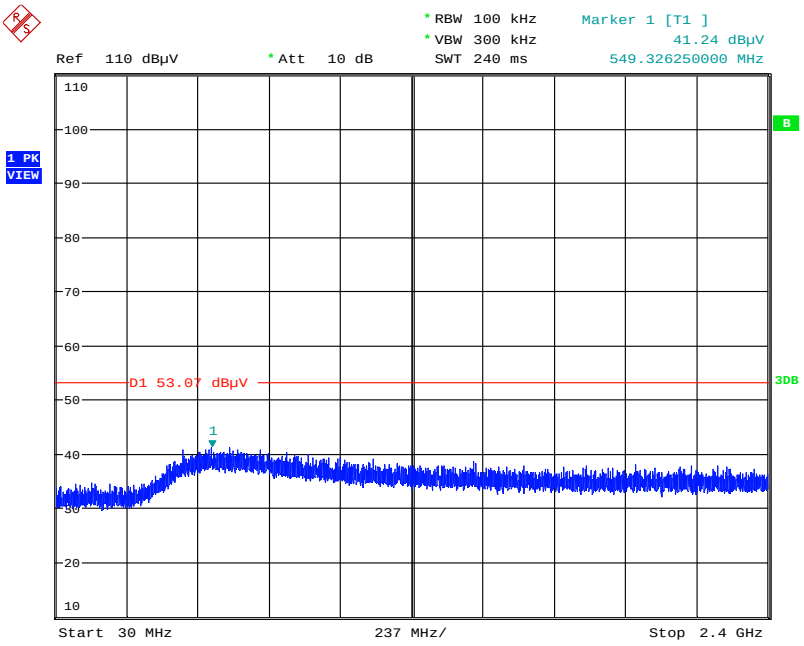
Date: 25.DEC.2014 02:43:01

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 / CH 1 / 2500MHz~26500MHz (down 30dBc)



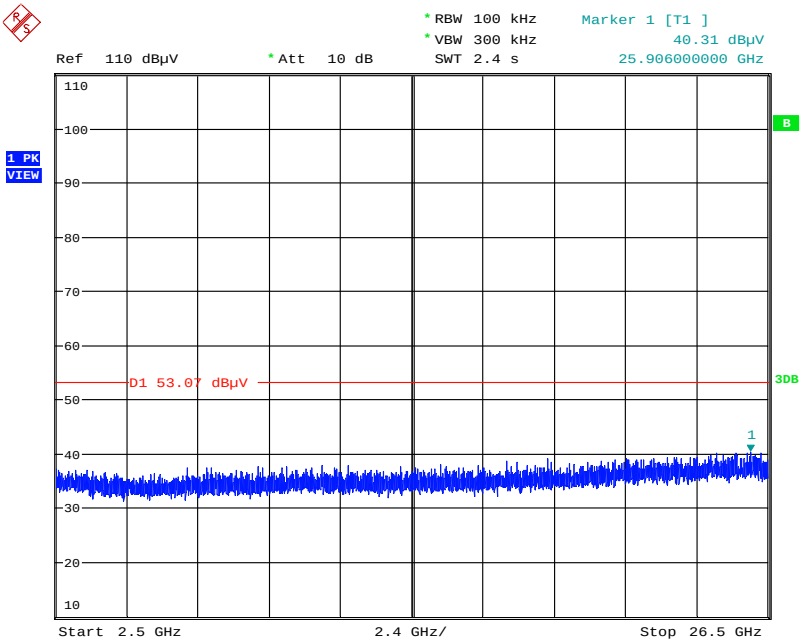
Date: 25.DEC.2014 02:43:36

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 / CH 11 / 30MHz~2400MHz (down 30dBc)



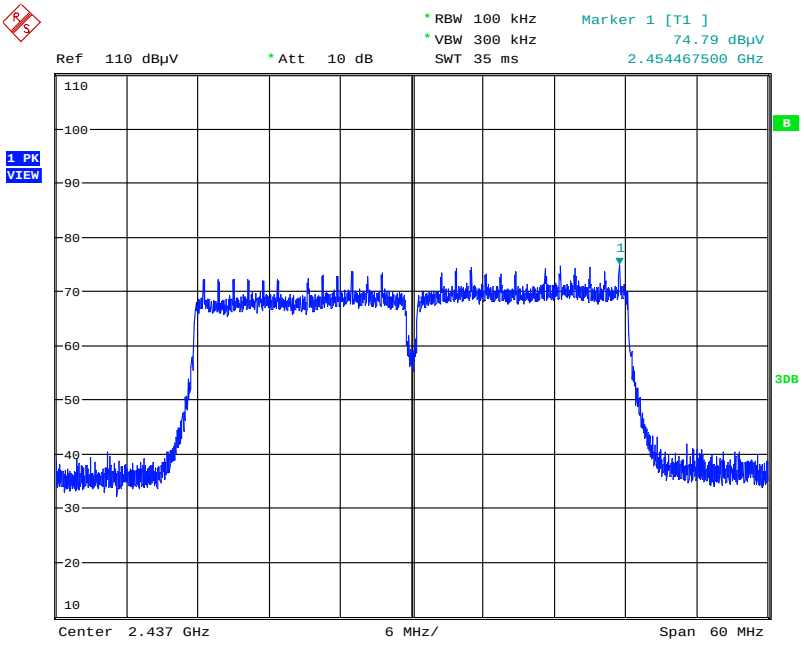
Date: 25.DEC.2014 02:44:26

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



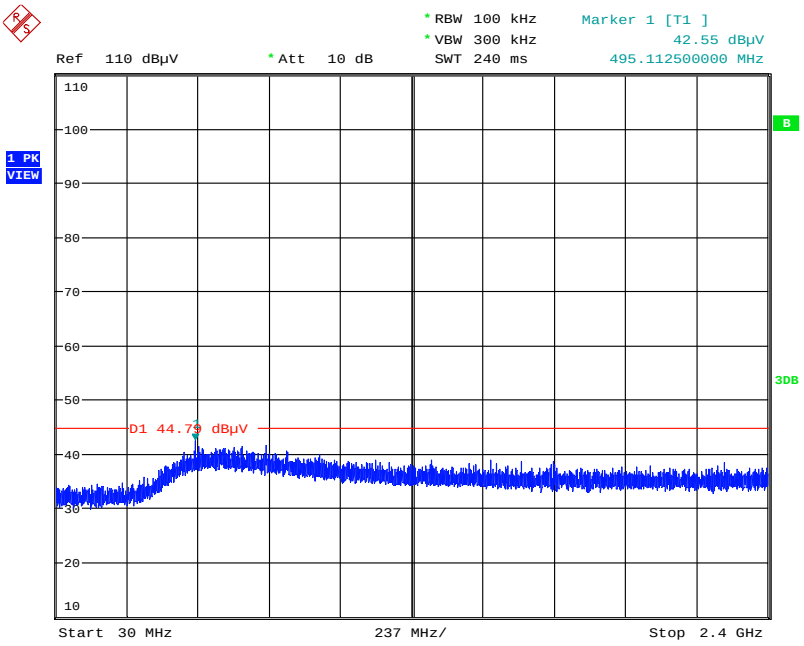
Date: 25.DEC.2014 02:44:53

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / Reference Level



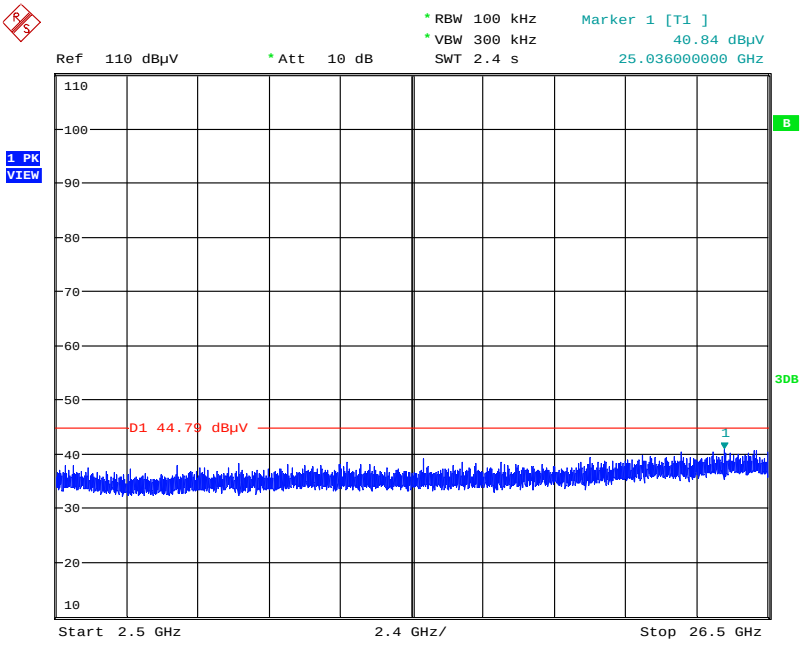
Date: 25.DEC.2014 02:48:40

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / CH 3 / 30MHz~2400MHz (down 30dBc)



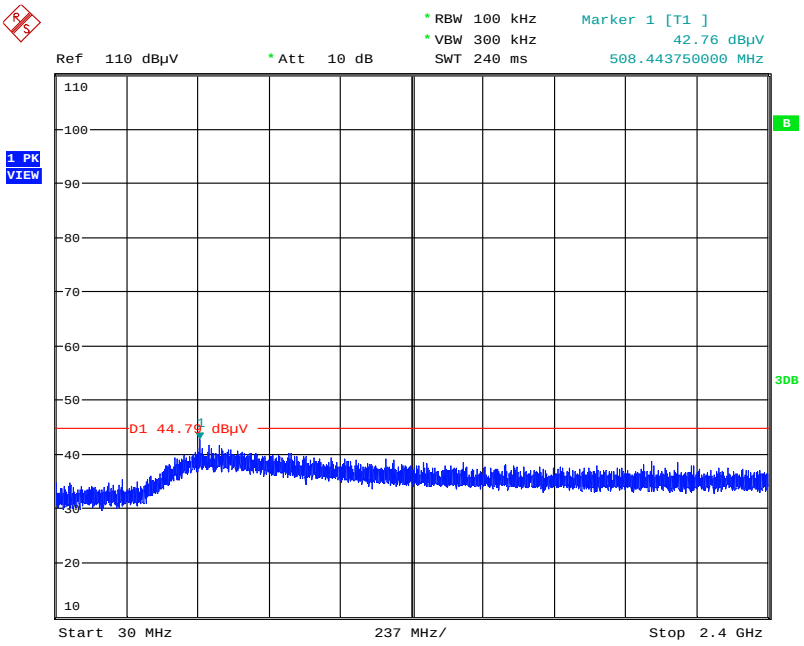
Date: 25.DEC.2014 02:49:50

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / CH 3 / 2500MHz~26500MHz (down 30dBc)



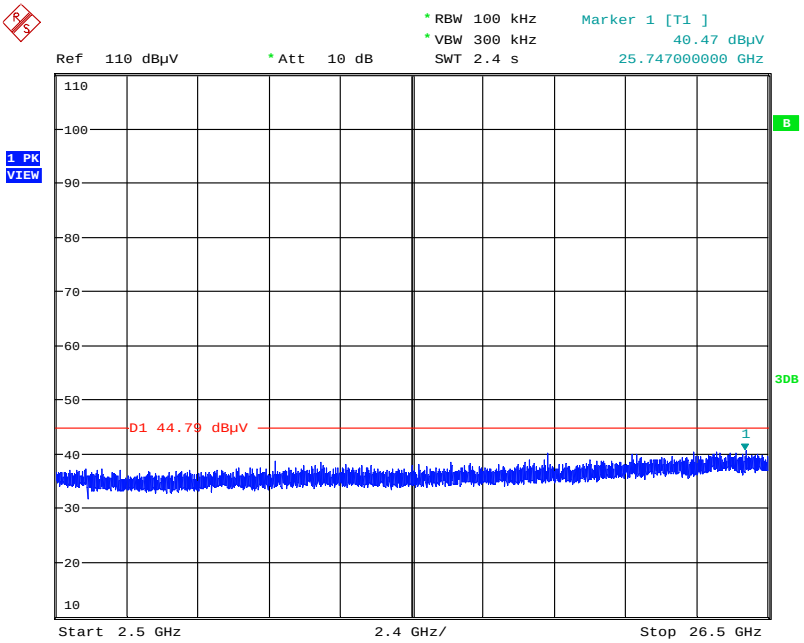
Date: 25.DEC.2014 02:54:04

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / CH 9 / 30MHz~2400MHz (down 30dBc)



Date: 25.DEC.2014 02:52:17

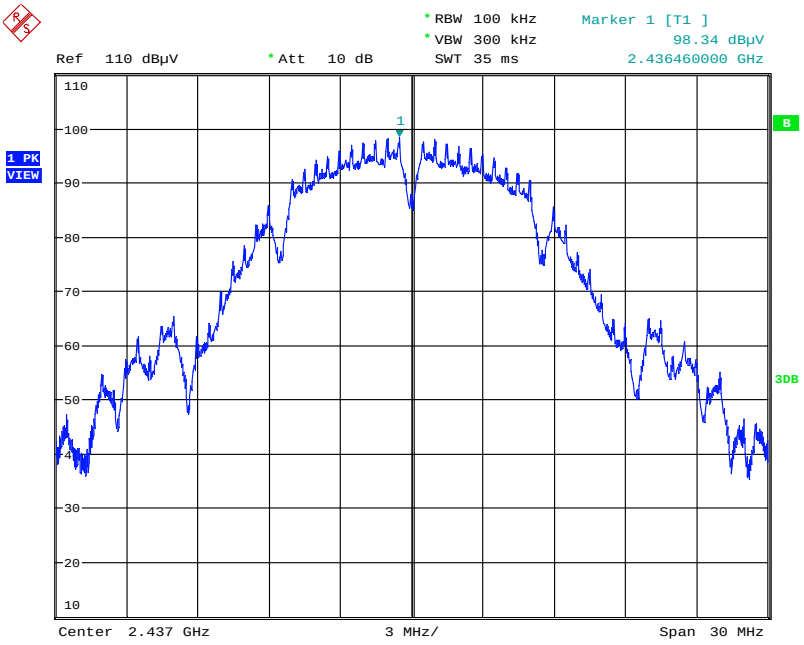
Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / CH 9 / 2500MHz~26500MHz (down 30dBc)



Date: 25.DEC.2014 02:53:12

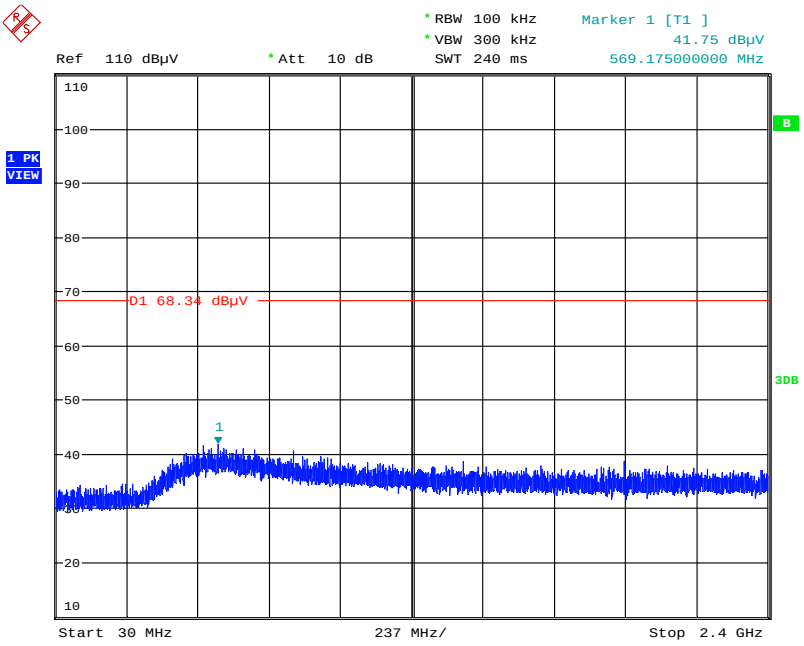
Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 1: 8.8, Chain 2: 5.9, Chain 3: 9 dBi / 2TX)

Plot on Configuration IEEE 802.11b / Reference Level



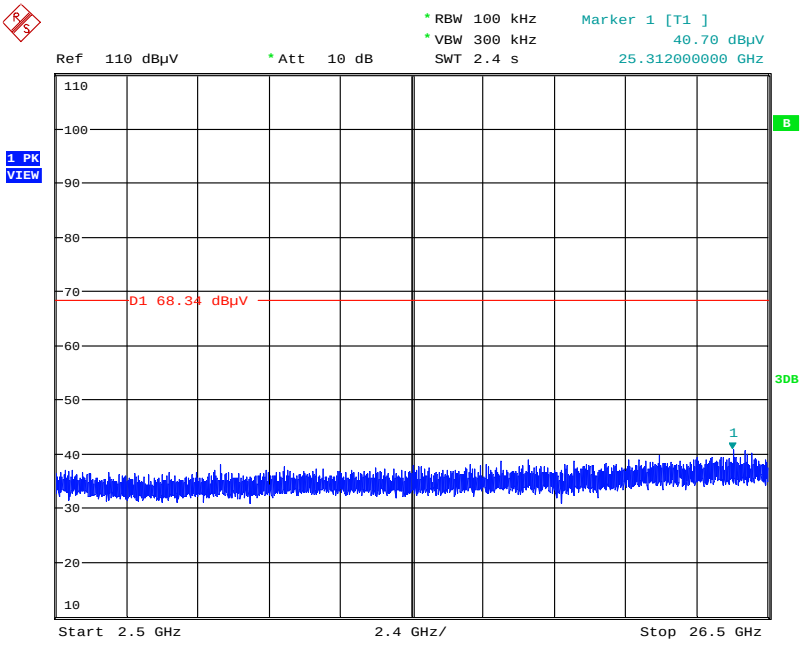
Date: 25.DEC.2014 02:04:15

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



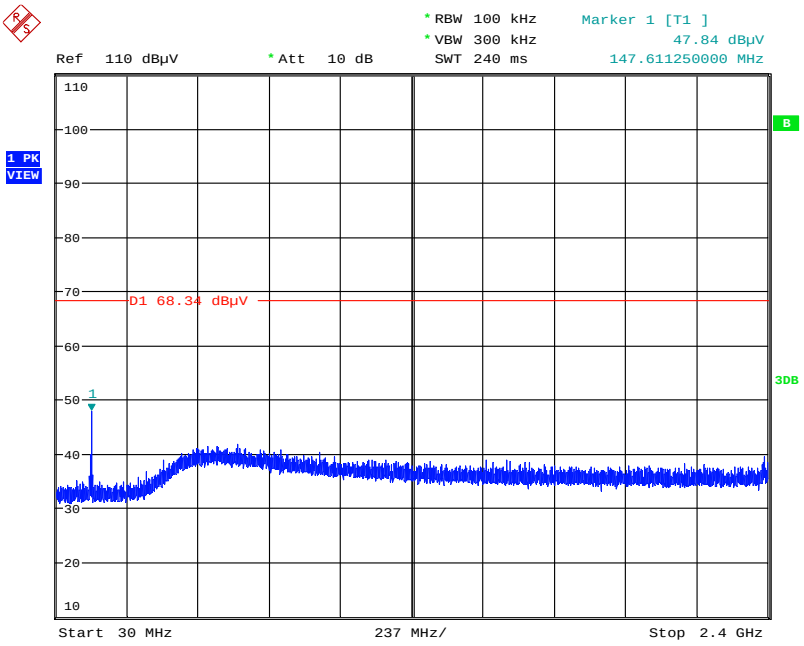
Date: 25.DEC.2014 02:05:31

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



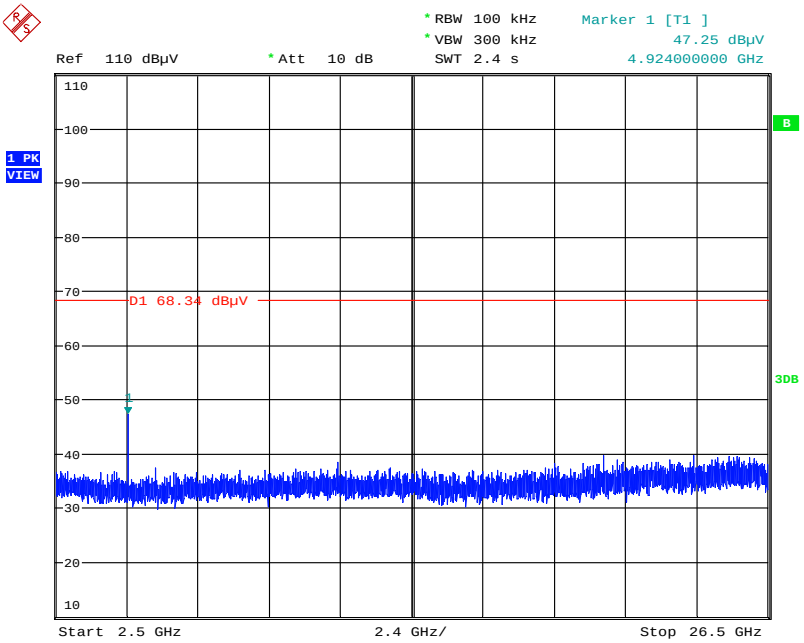
Date: 25.DEC.2014 02:10:03

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



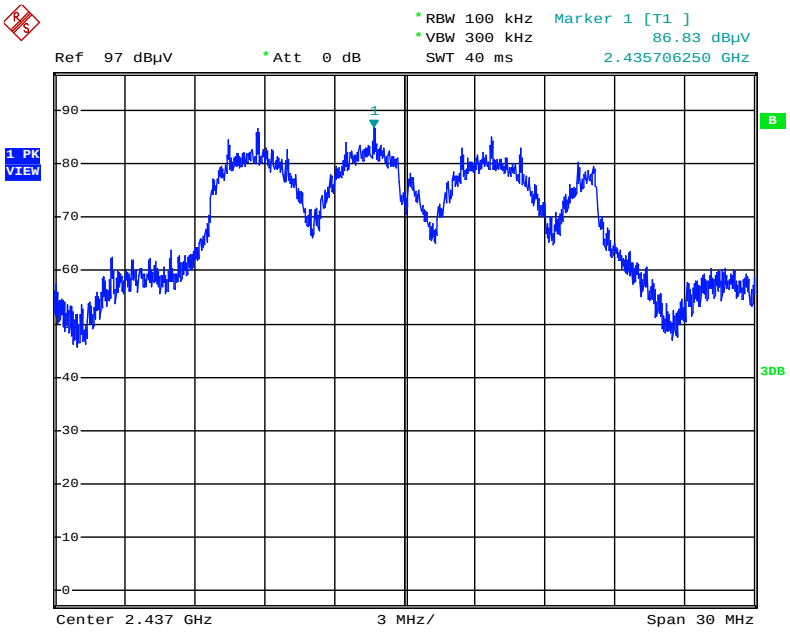
Date: 25.DEC.2014 02:07:29

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



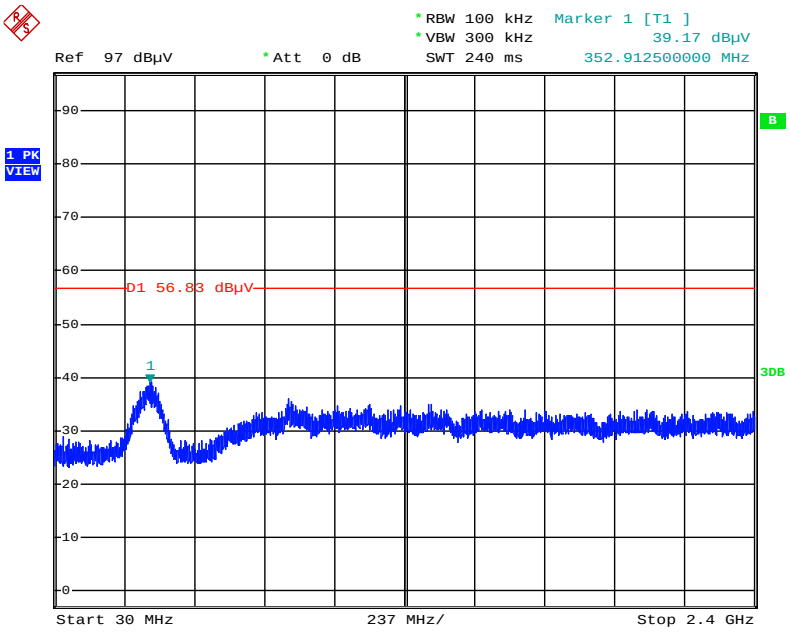
Date: 25.DEC.2014 02:08:28

Plot on Configuration IEEE 802.11g / Reference Level



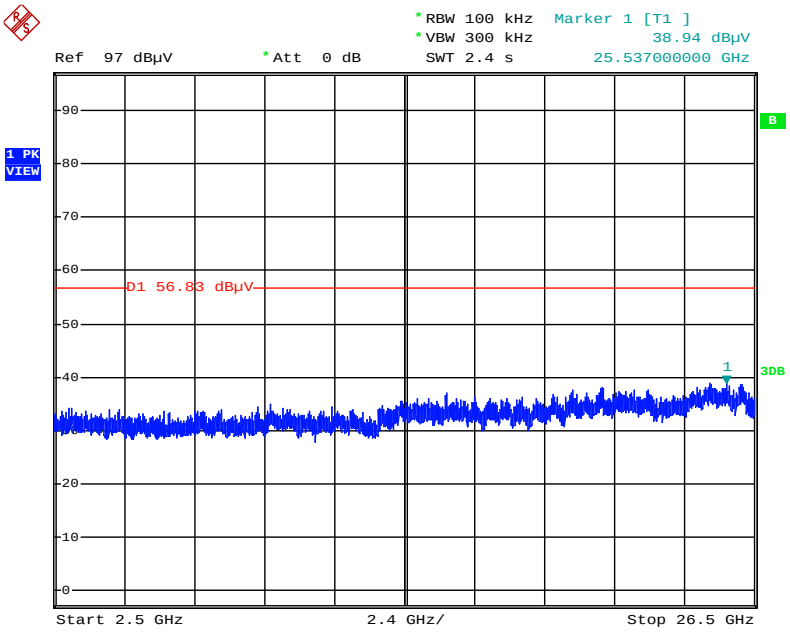
Date: 21.JAN.2015 13:59:46

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



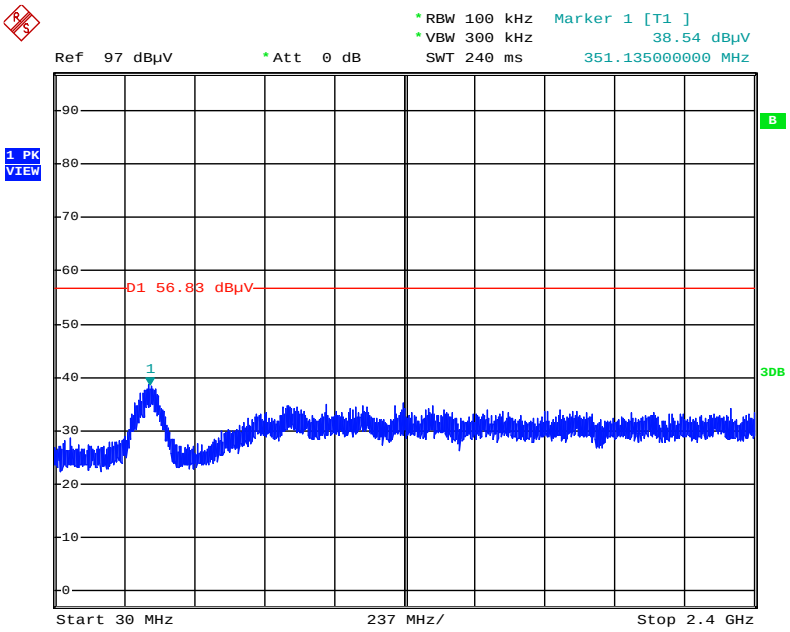
Date: 21.JAN.2015 14:19:47

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



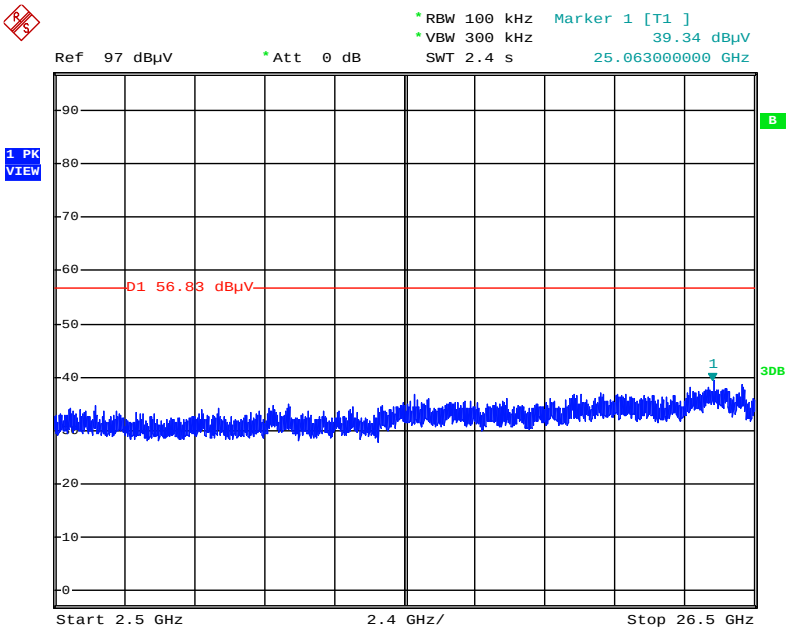
Date: 21.JAN.2015 14:22:49

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



Date: 21.JAN.2015 14:25:42

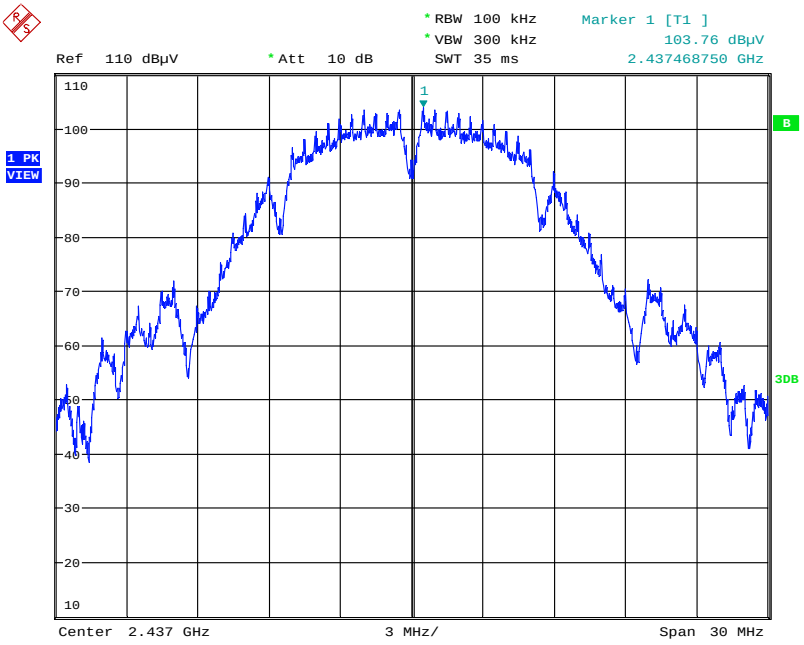
Plot on Configuration IEEE 802.11g / CH 11 / 2500MHz~26500MHz (down 30dBc)



Date: 21.JAN.2015 14:28:17

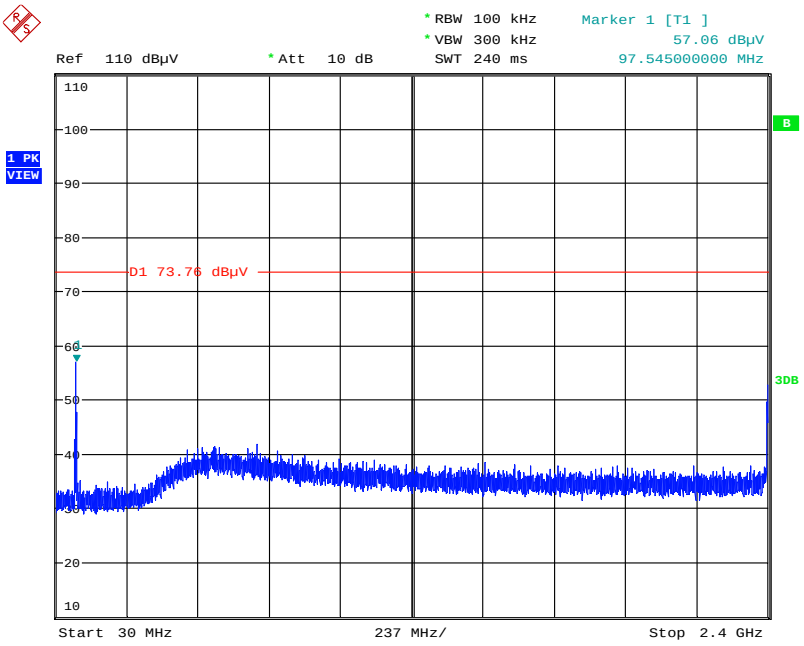
Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 1: 8.8, Chain 2: 5.9, Chain 3: 9 dBi / 3TX)

Plot on Configuration IEEE 802.11b / Reference Level



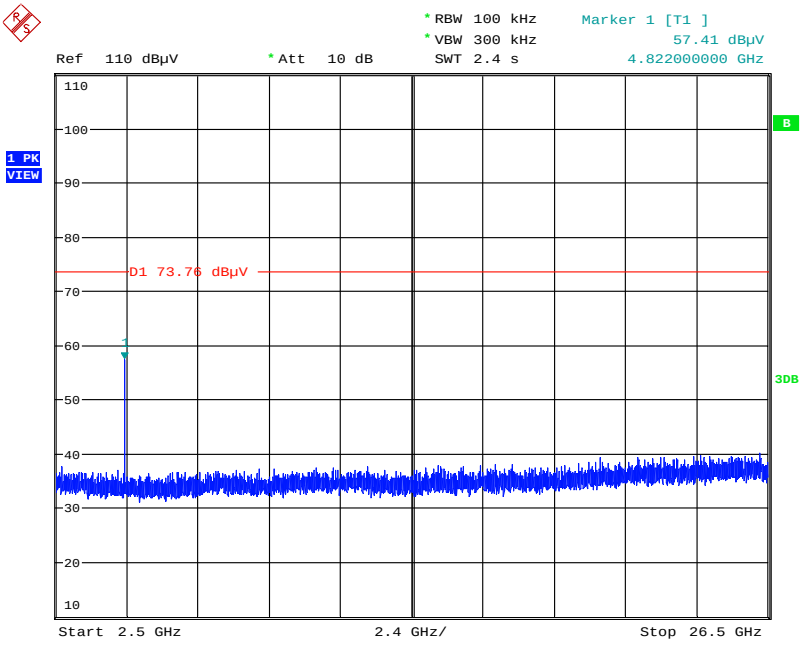
Date: 25.DEC.2014 02:15:48

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



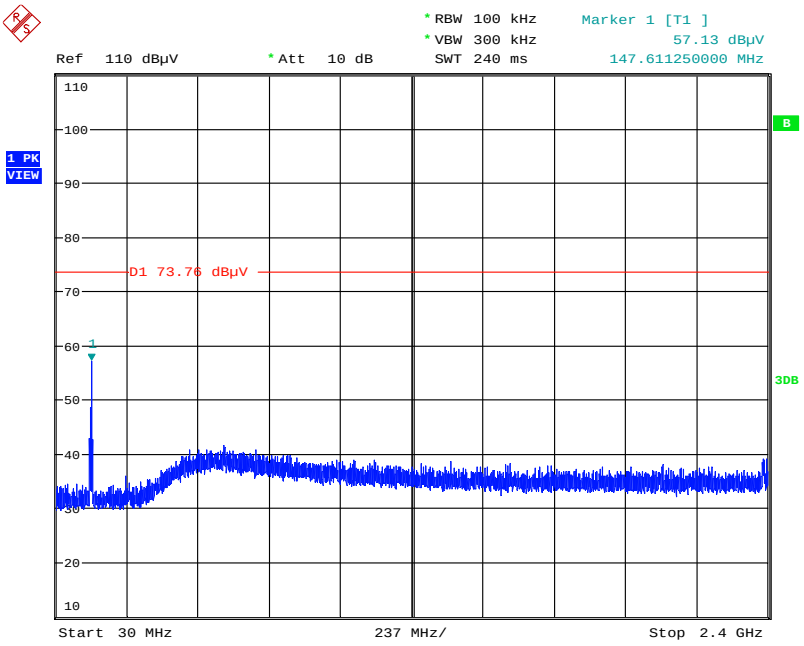
Date: 25.DEC.2014 02:20:41

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



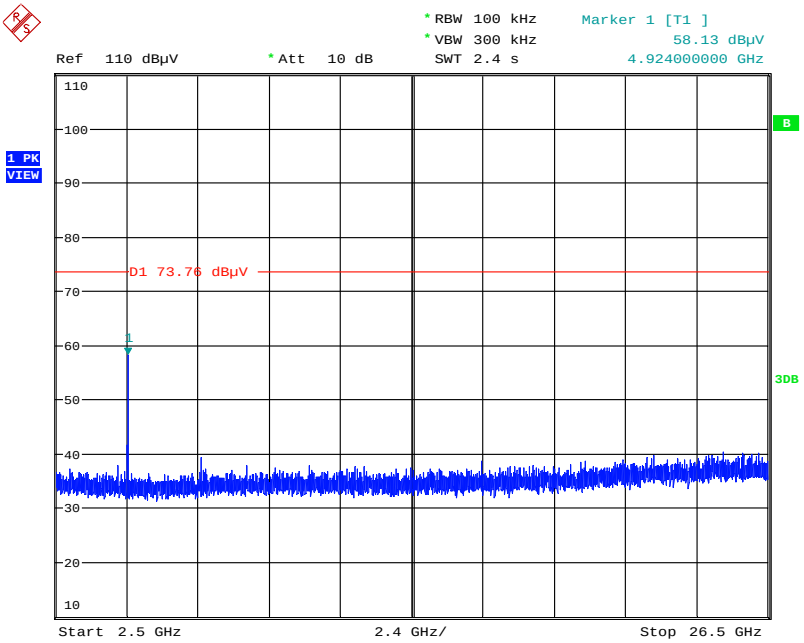
Date: 25.DEC.2014 02:17:24

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

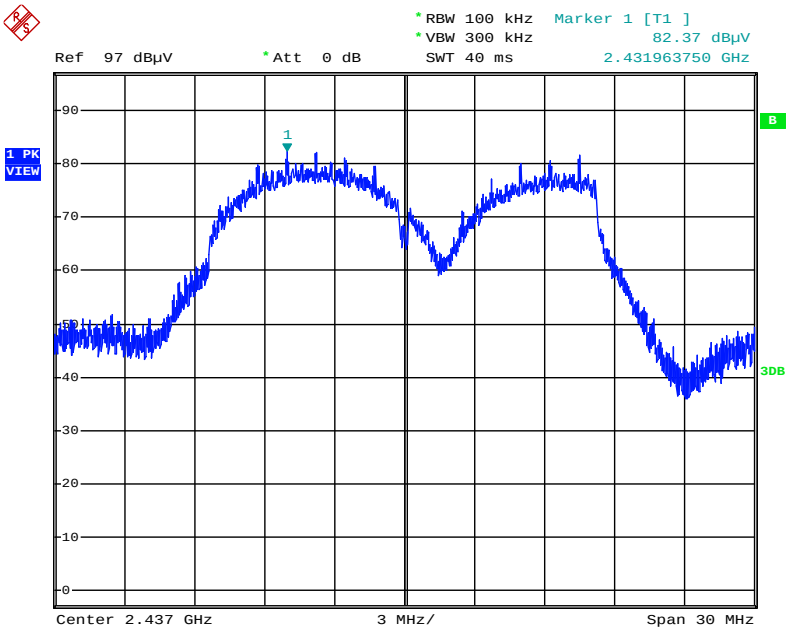


Date: 25.DEC.2014 02:18:27

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

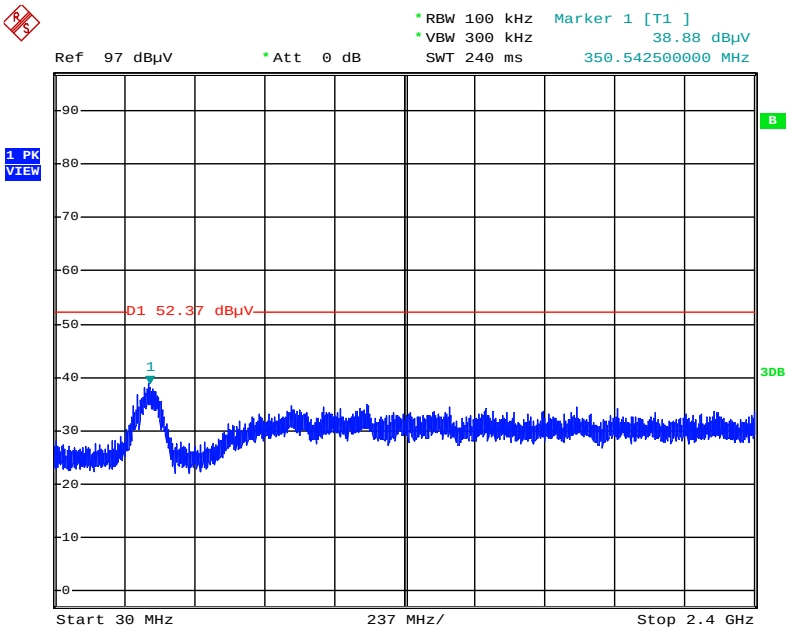


Plot on Configuration IEEE 802.11g / Reference Level



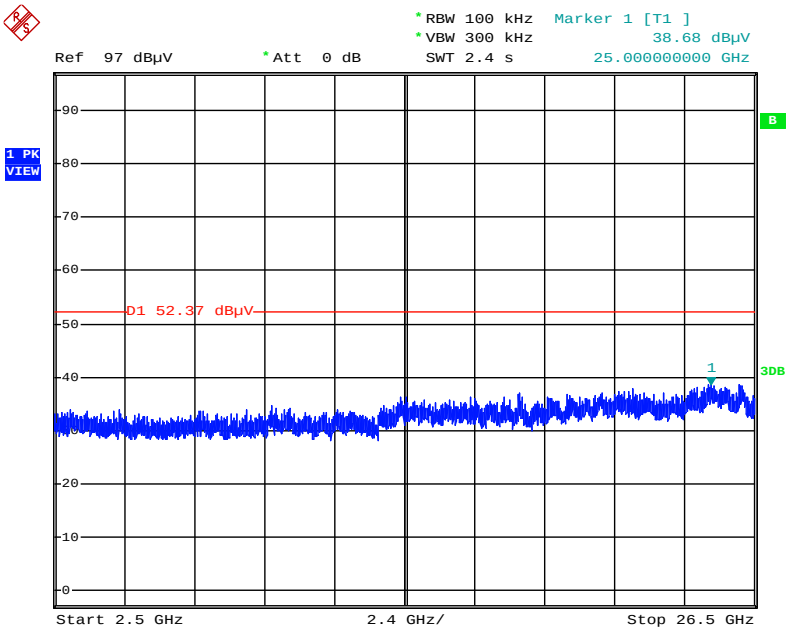
Date: 21.JAN.2015 14:38:02

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



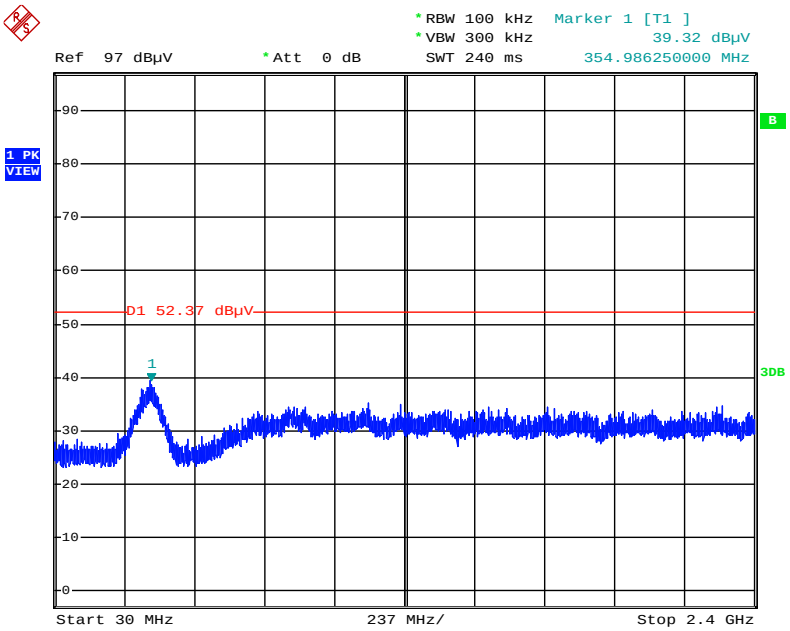
Date: 21.JAN.2015 14:39:35

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



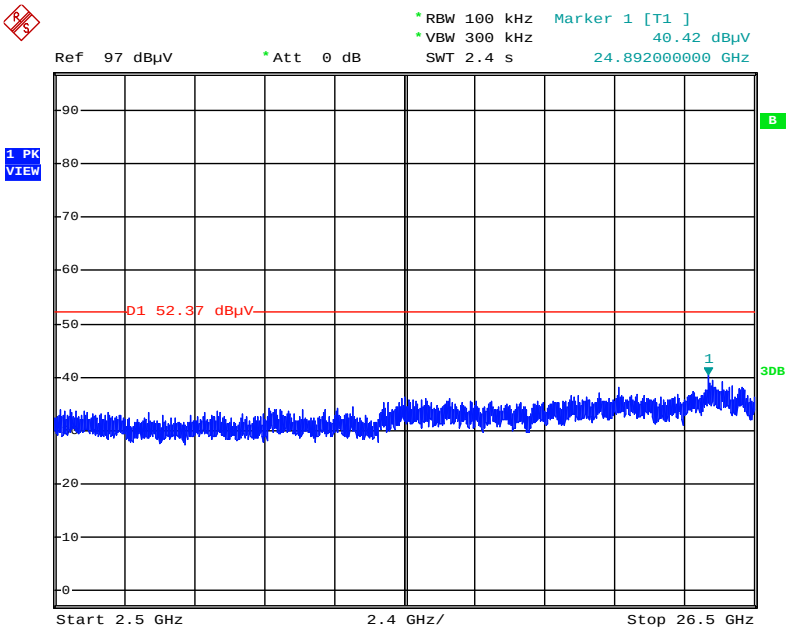
Date: 21.JAN.2015 14:40:20

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



Date: 21.JAN.2015 14:41:18

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

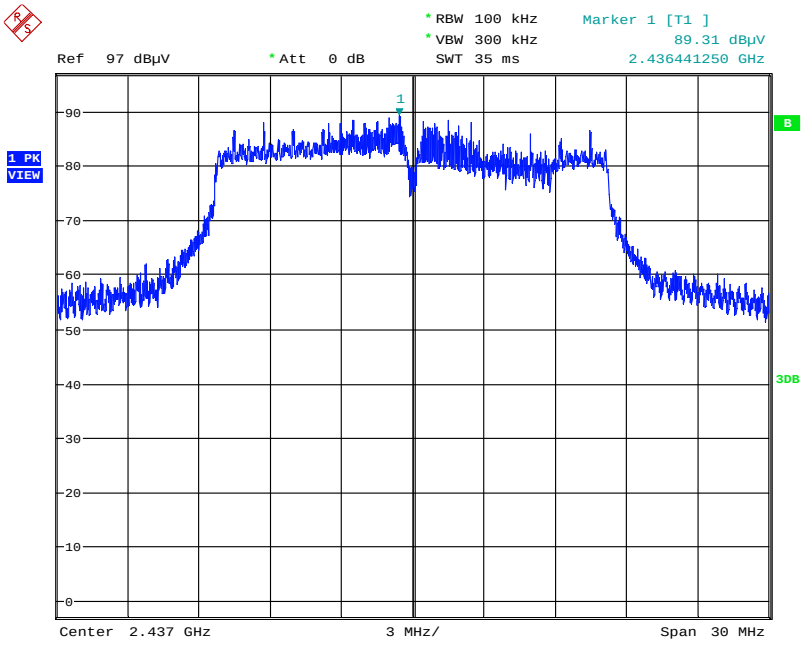


Date: 21.JAN.2015 14:41:53

<For Beamforming Mode>

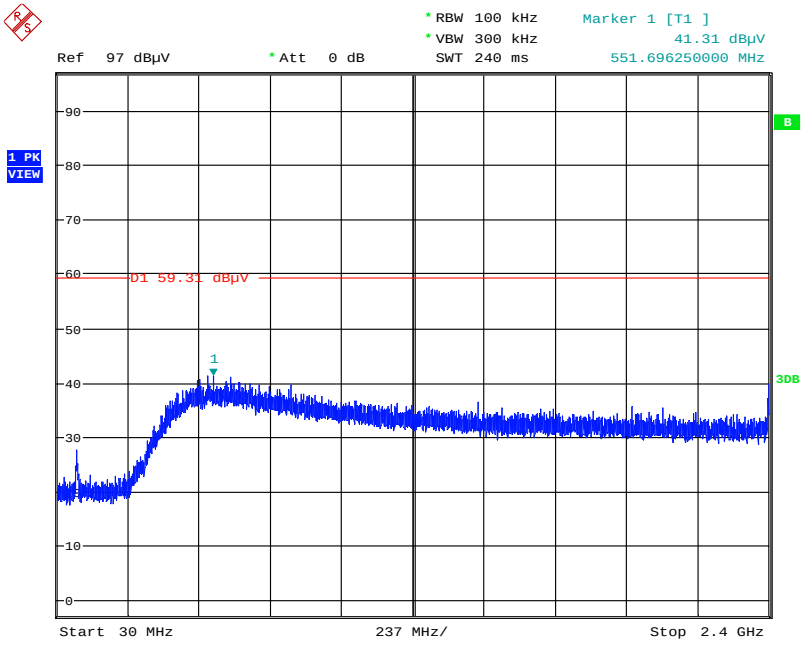
Mode 1: (Ant.6 Dipole antenna / 5.3 dBi / 2TX)

Plot on Configuration IEEE 802.11g / Reference Level



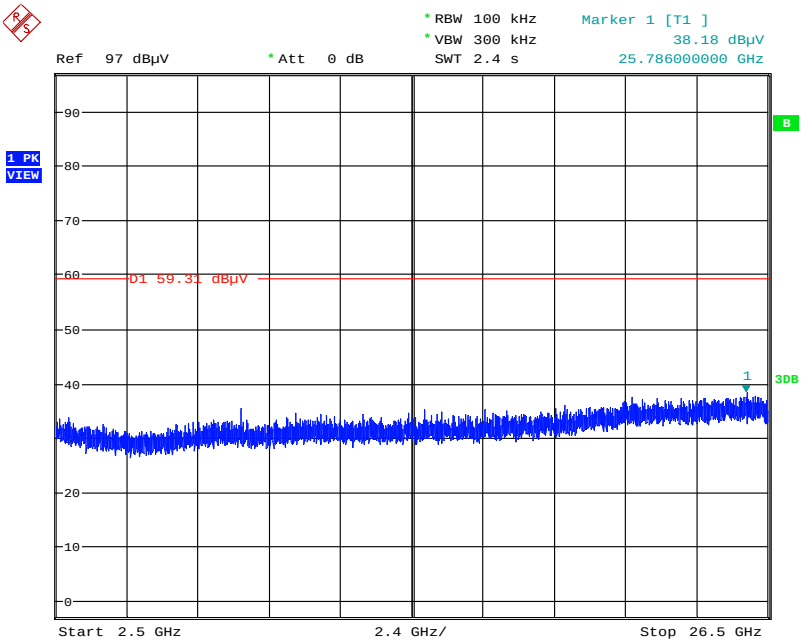
Date: 17.DEC.2014 16:31:40

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



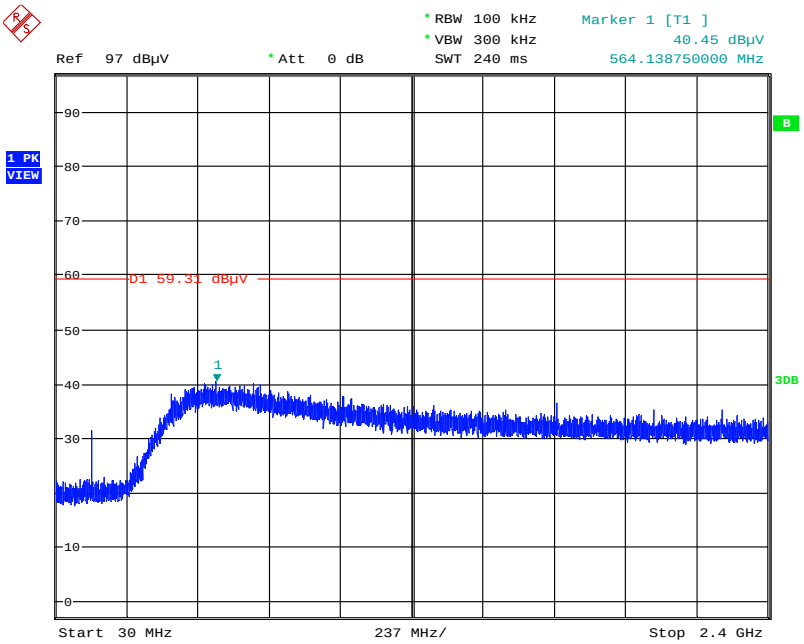
Date: 17.DEC.2014 16:34:51

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



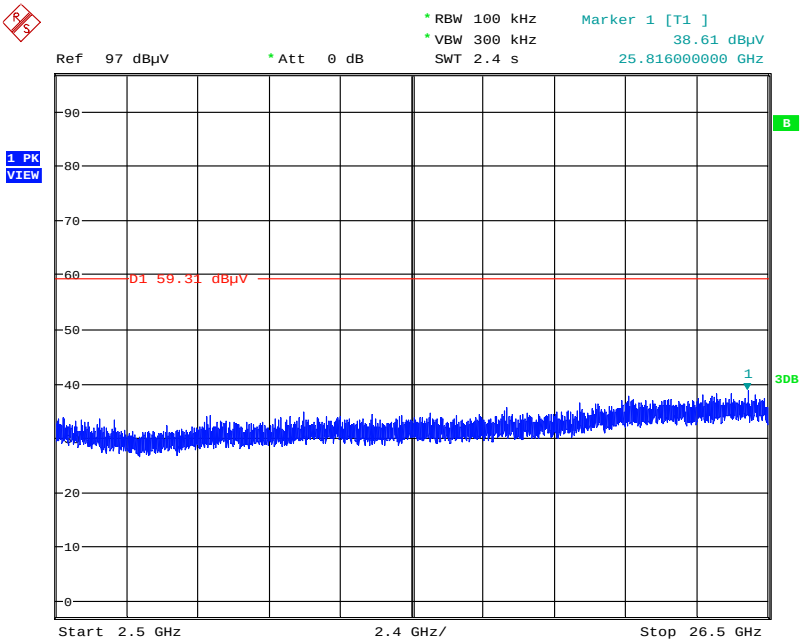
Date: 17.DEC.2014 16:35:33

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

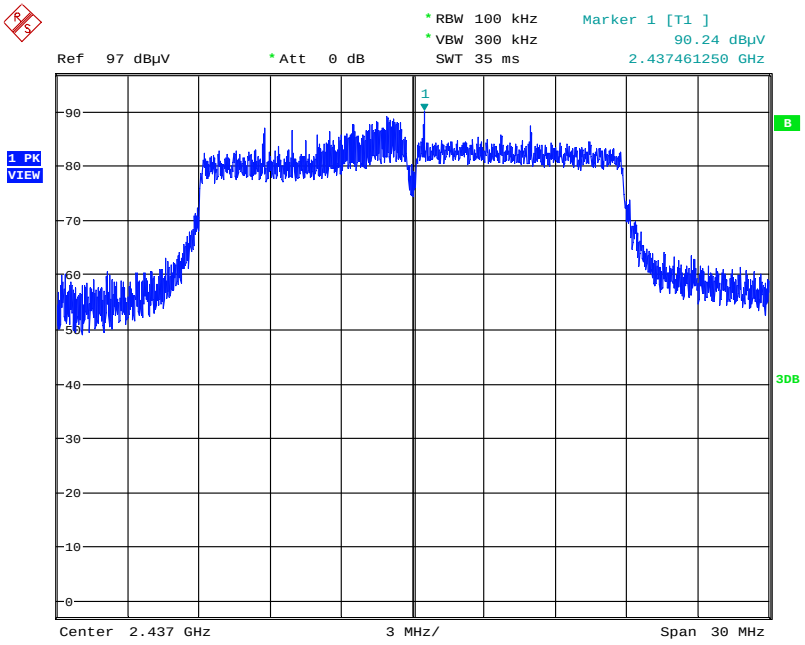


Date: 17.DEC.2014 16:39:08

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

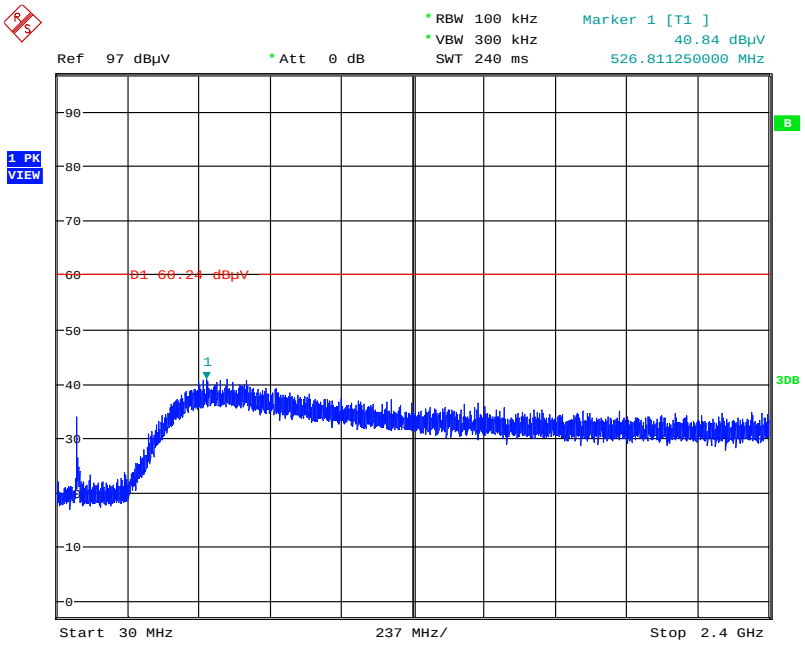


Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 / Reference Level



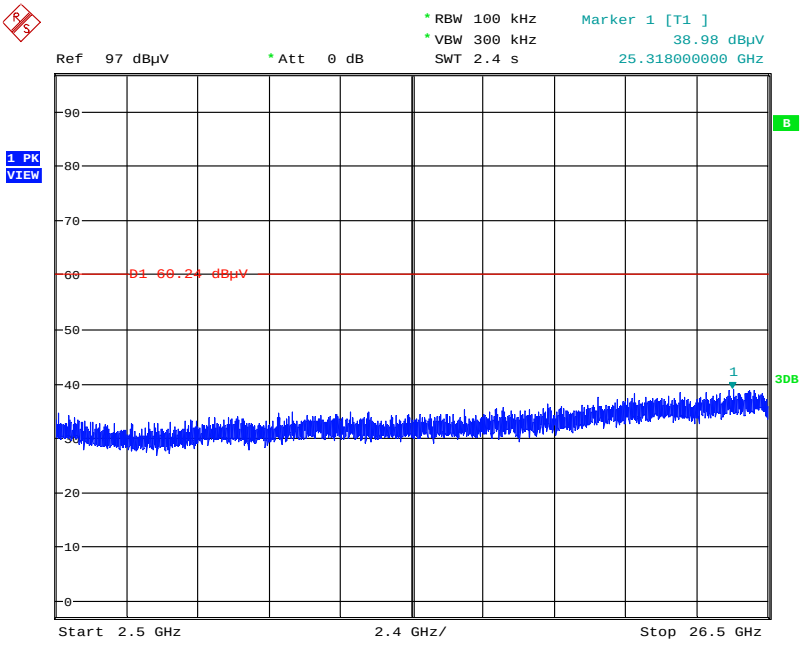
Date: 17.DEC.2014 15:20:49

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 HT20 / CH 1 / 30MHz~2400MHz (down 30dBc)



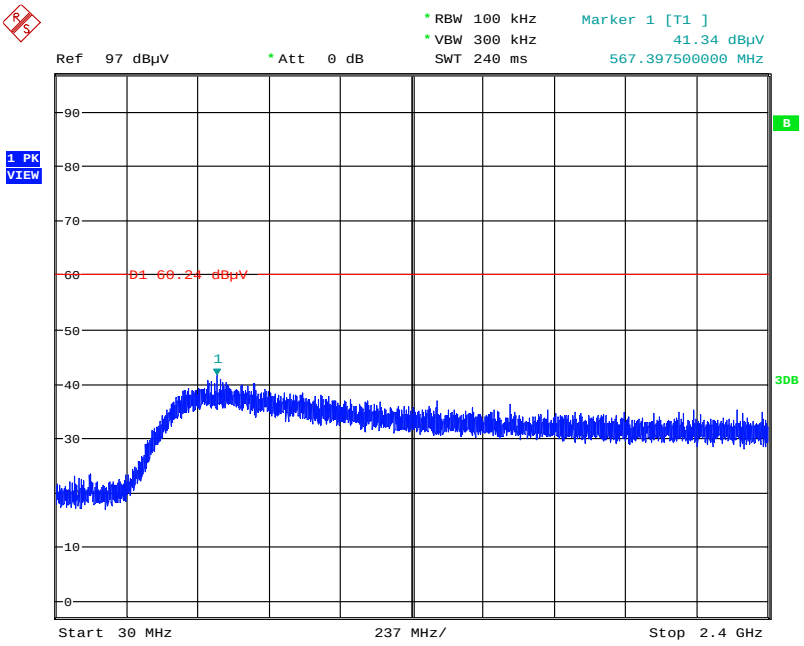
Date: 17.DEC.2014 15:22:50

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 / CH 1 / 2500MHz~26500MHz (down 30dBc)



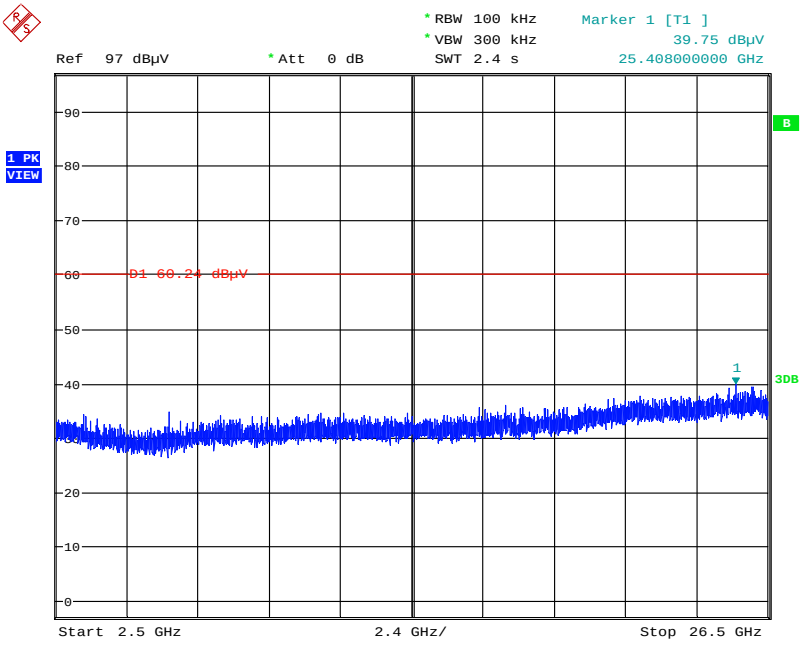
Date: 17.DEC.2014 15:24:04

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 / CH 11 / 30MHz~2400MHz (down 30dBc)



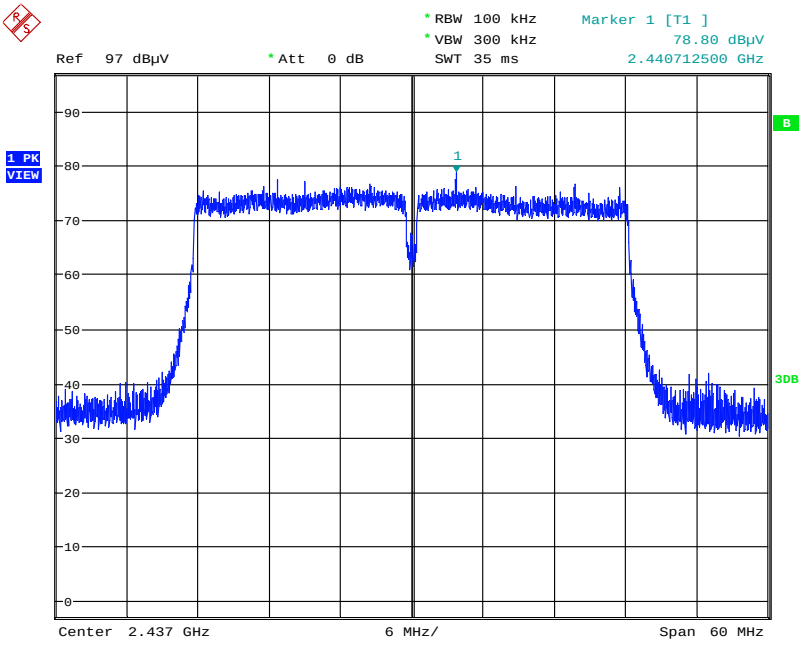
Date: 17.DEC.2014 15:25:32

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



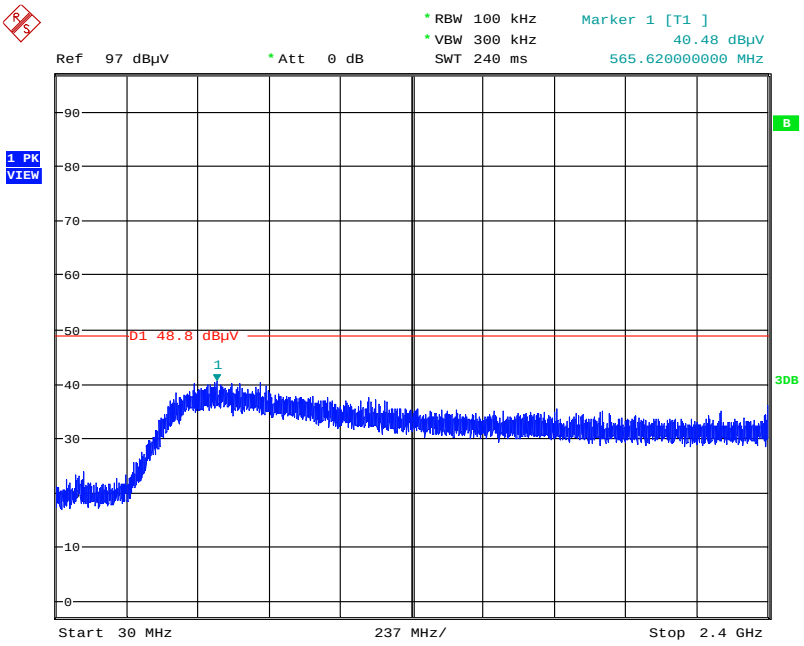
Date: 17.DEC.2014 15:25:08

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / Reference Level



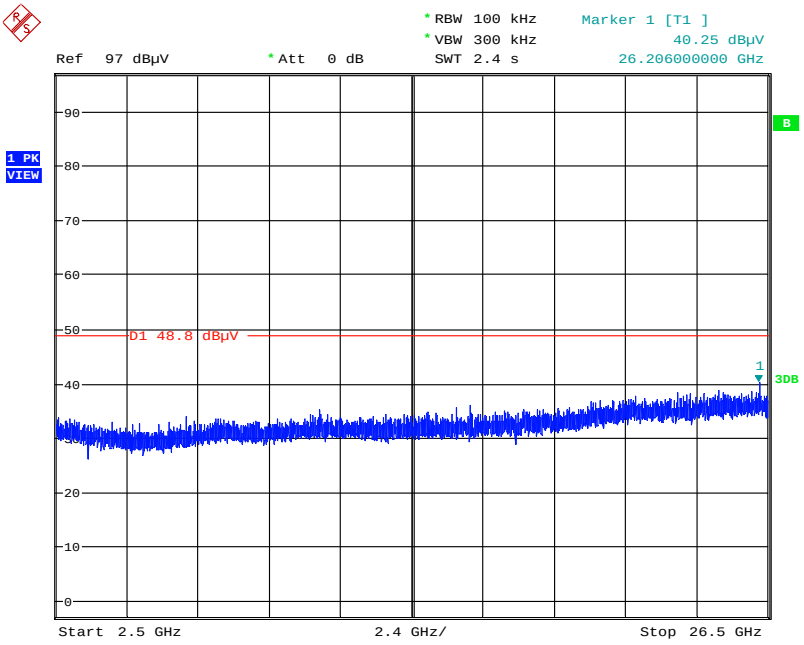
Date: 17.DEC.2014 15:29:17

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / CH 3 / 30MHz~2400MHz (down 30dBc)



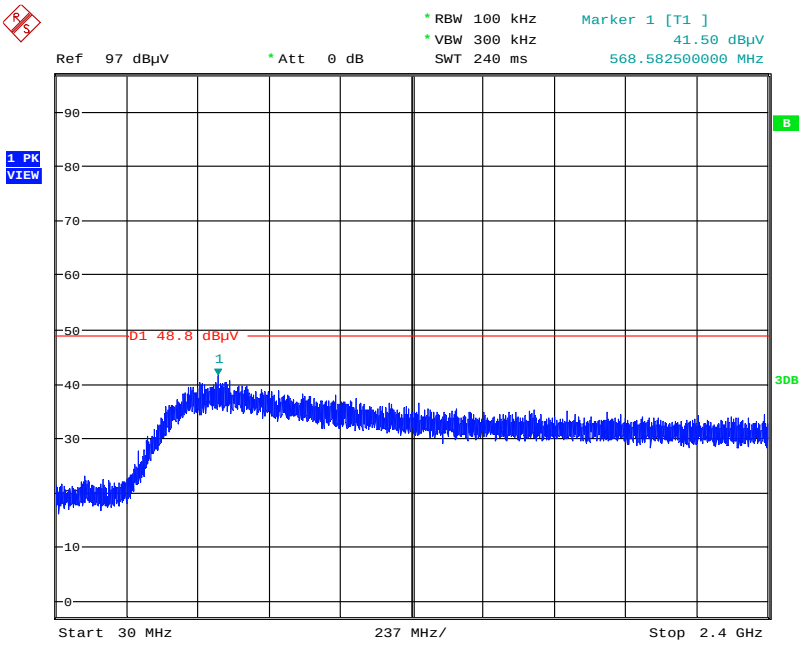
Date: 17.DEC.2014 15:30:56

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / CH 3 / 2500MHz~26500MHz (down 30dBc)



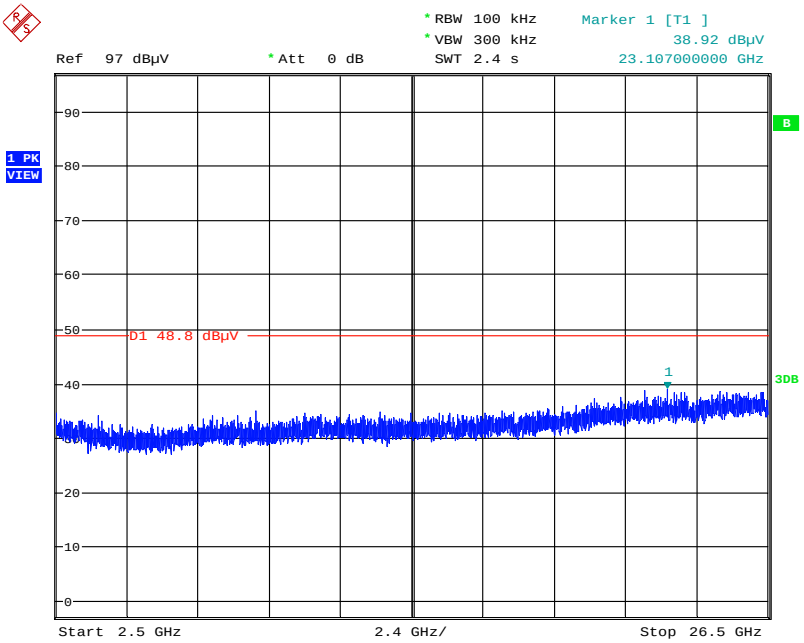
Date: 17.DEC.2014 15:31:39

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / CH 9 / 30MHz~2400MHz (down 30dBc)



Date: 17.DEC.2014 15:33:17

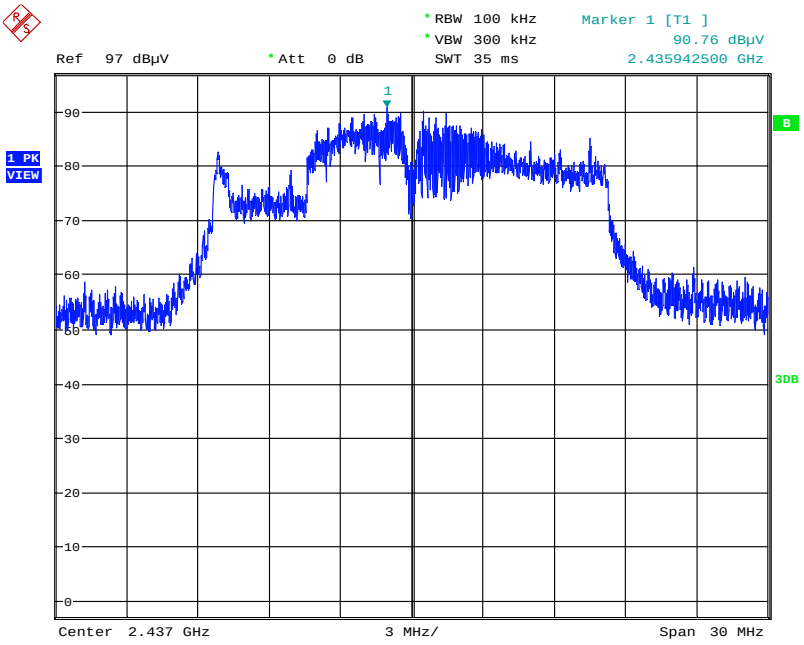
Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / CH 9 / 2500MHz~26500MHz (down 30dBc)



Date: 17.DEC.2014 15:32:51

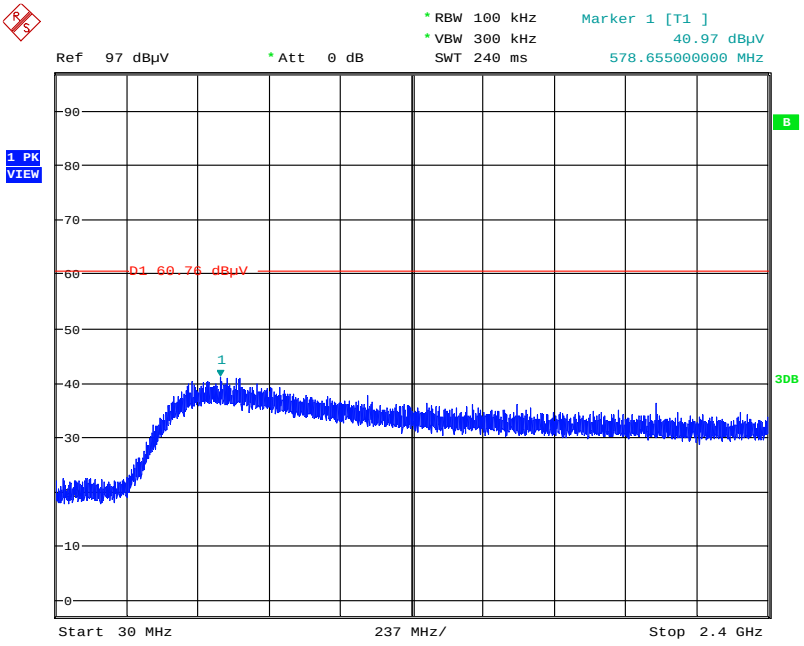
Mode 1: (Ant.6 Dipole antenna / 5.3 dBi / 3TX)

Plot on Configuration IEEE 802.11g / Reference Level



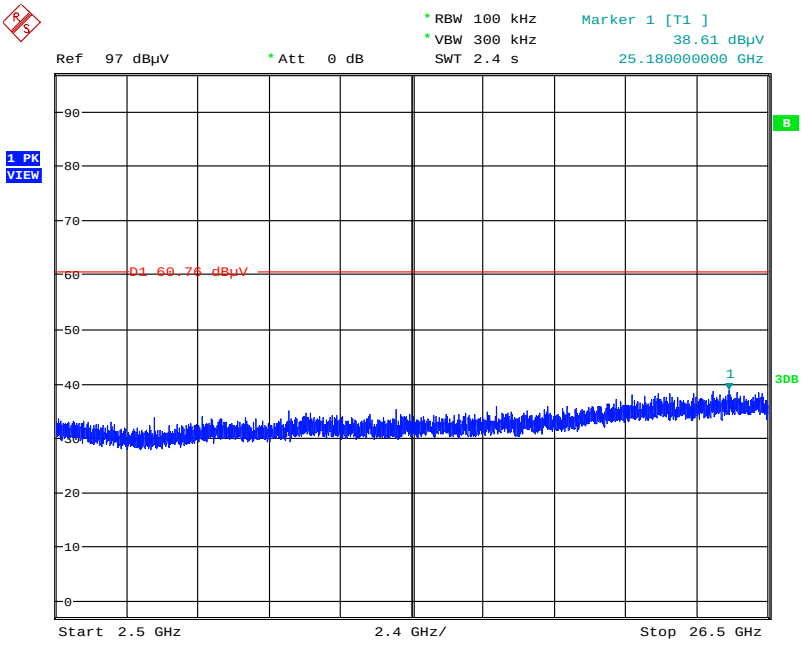
Date: 17.DEC.2014 16:48:13

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



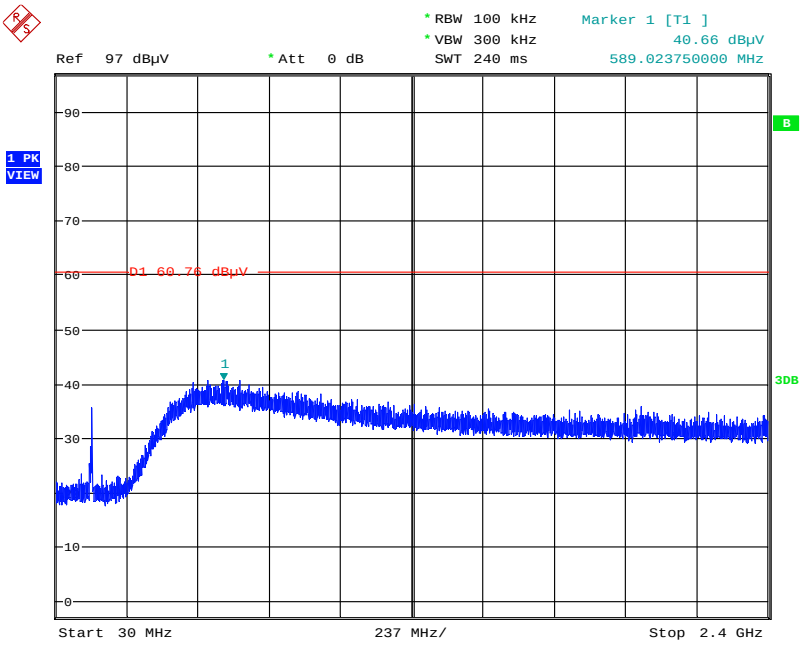
Date: 17.DEC.2014 17:04:23

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



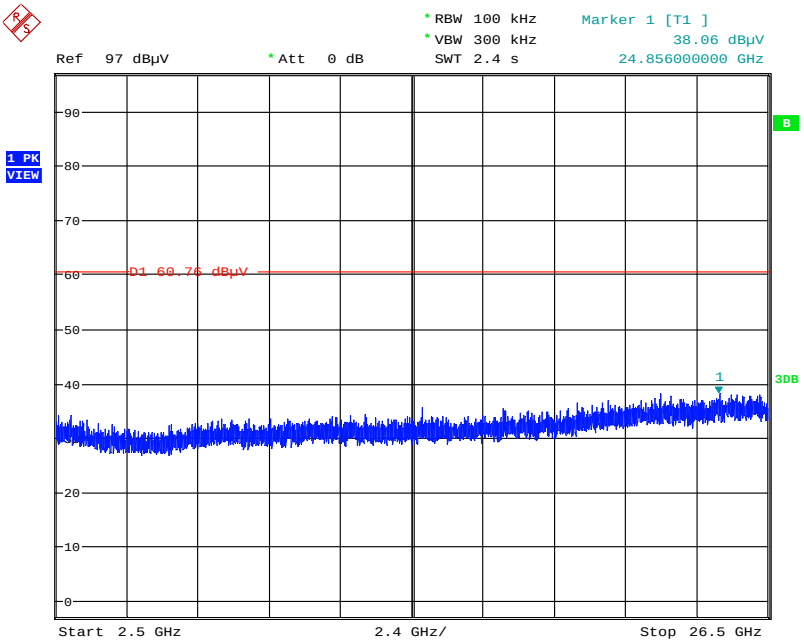
Date: 17.DEC.2014 17:05:22

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



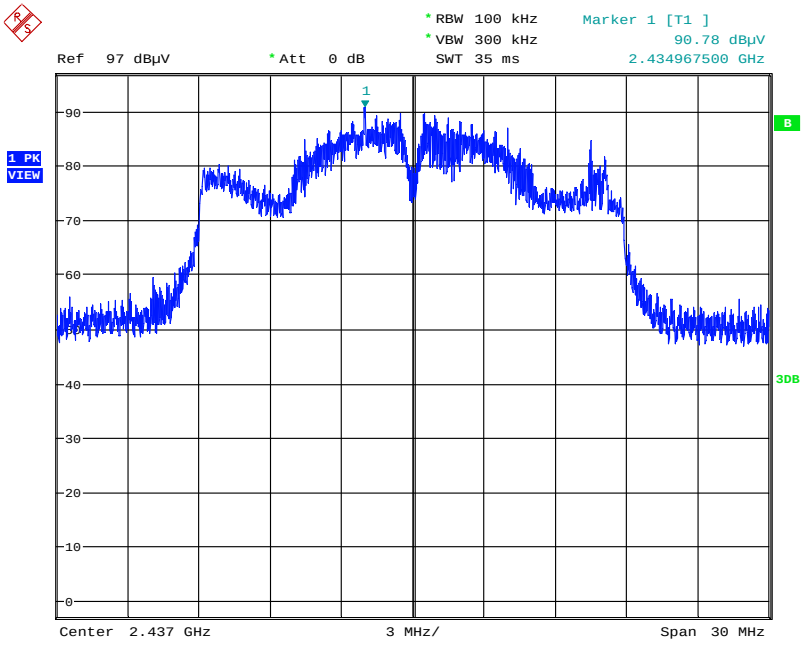
Date: 17.DEC.2014 17:01:20

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



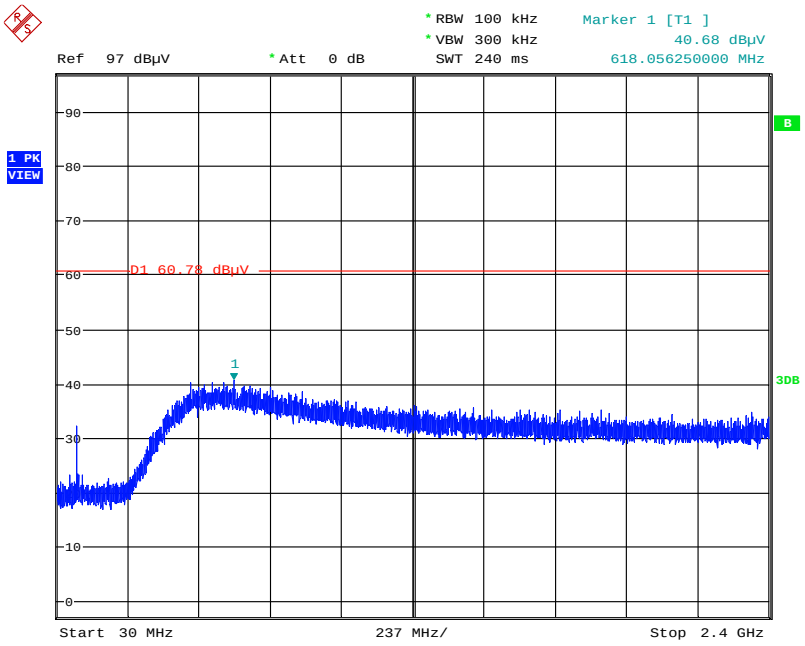
Date: 17.DEC.2014 17:02:17

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 / Reference Level



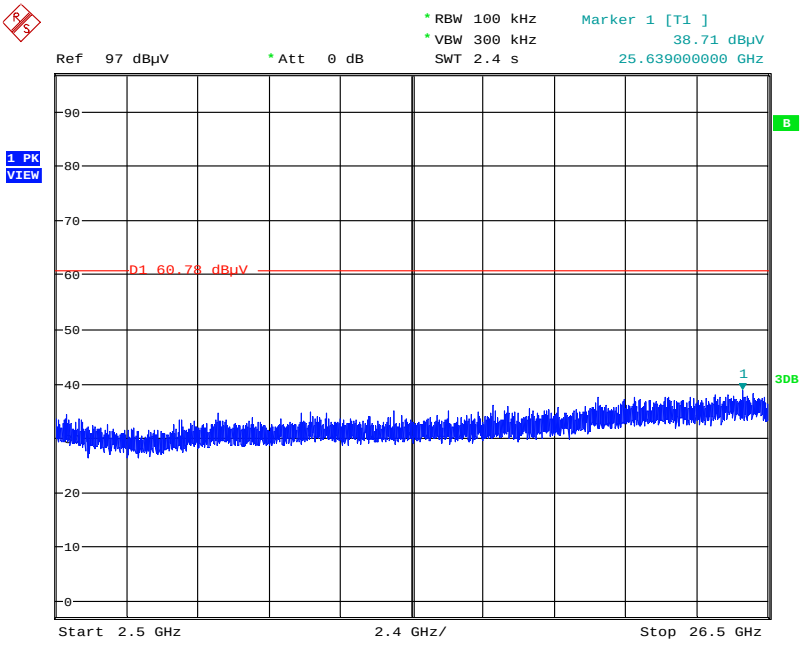
Date: 17.DEC.2014 15:47:32

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 HT20 / CH 1 / 30MHz~2400MHz (down 30dBc)



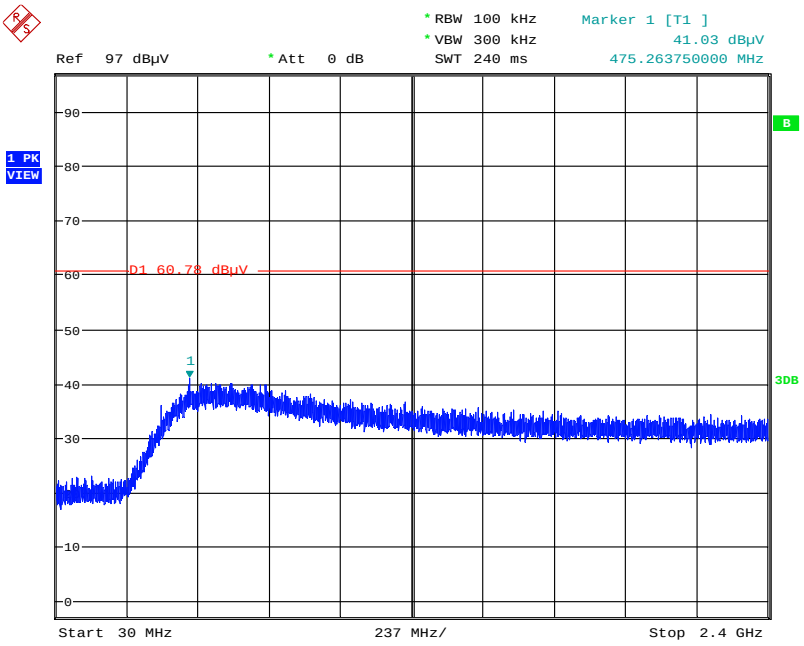
Date: 17.DEC.2014 15:49:02

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 / CH 1 / 2500MHz~26500MHz (down 30dBc)



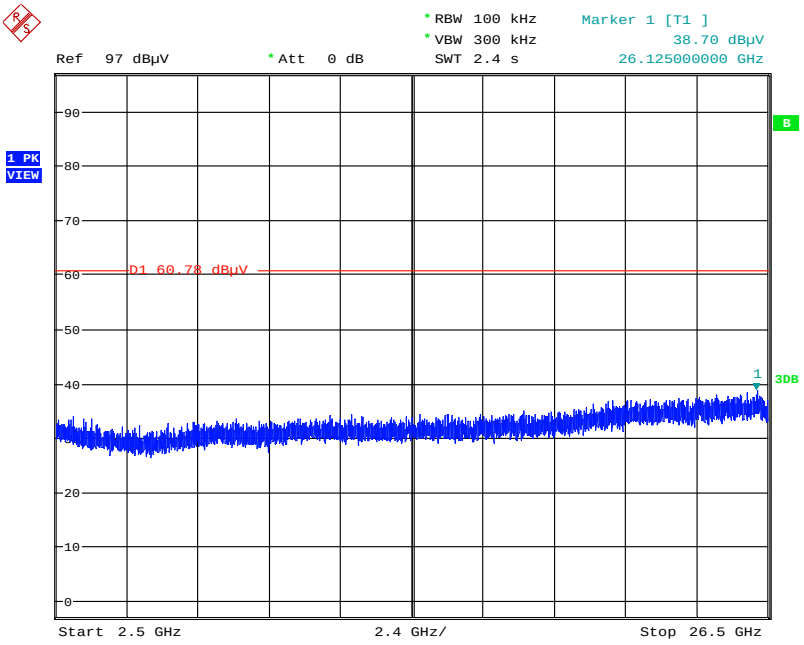
Date: 17.DEC.2014 15:49:41

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 / CH 11 / 30MHz~2400MHz (down 30dBc)



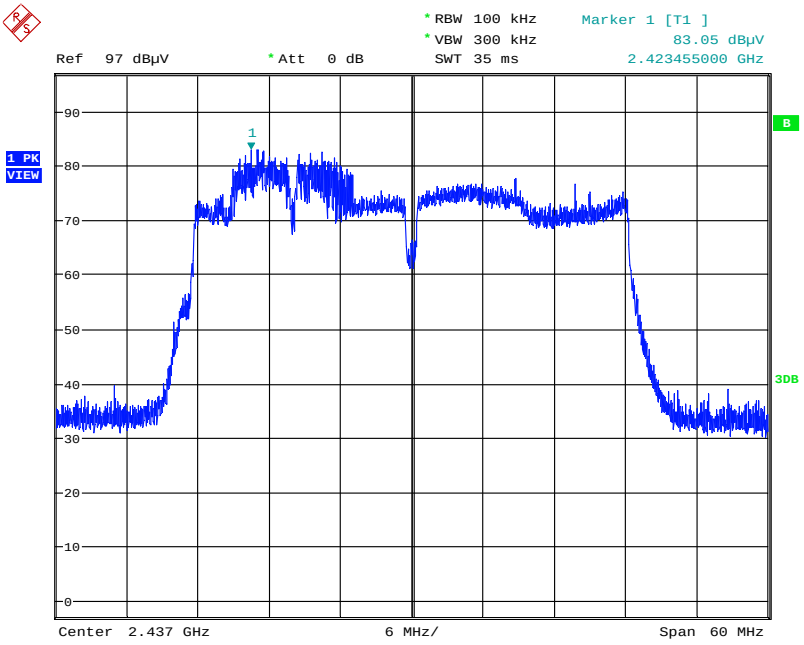
Date: 17.DEC.2014 15:51:07

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



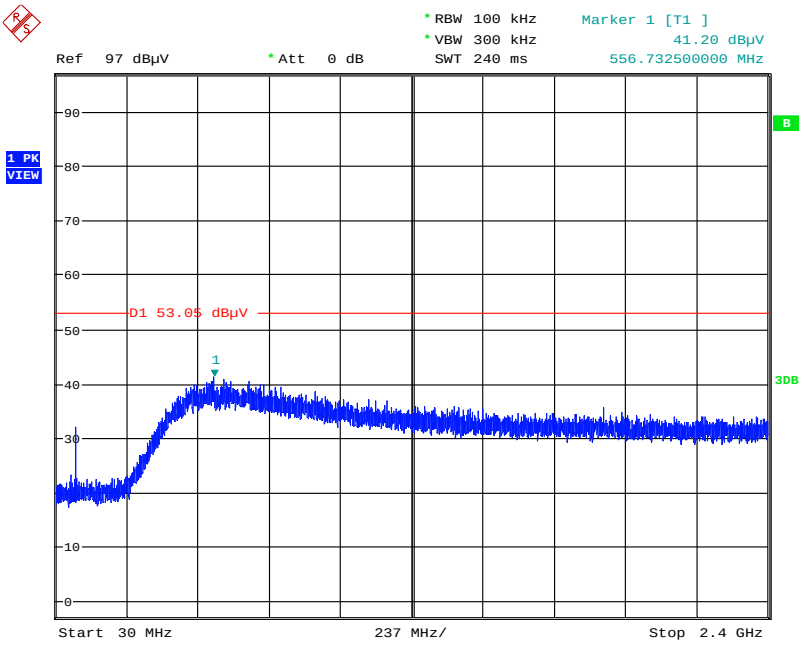
Date: 17.DEC.2014 15:50:41

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / Reference Level



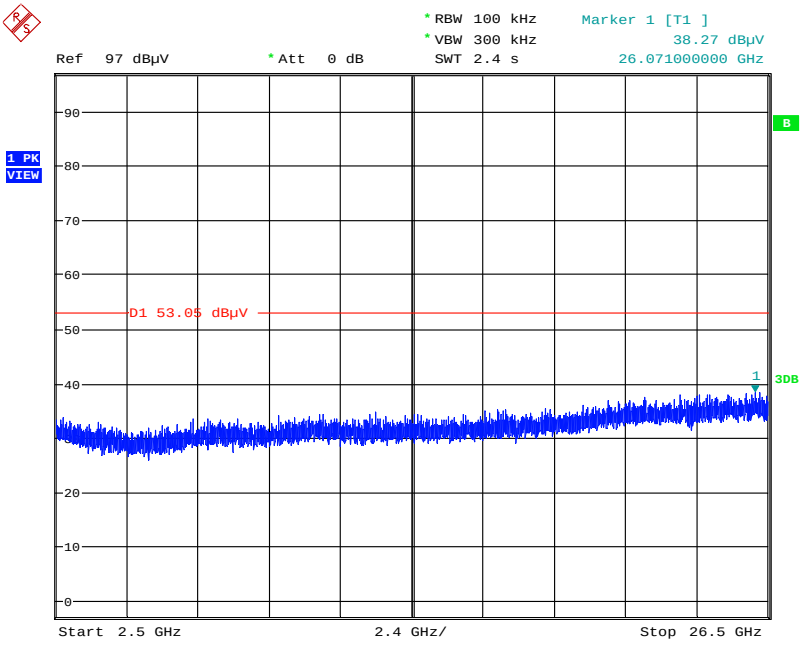
Date: 17.DEC.2014 15:55:56

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / CH 3 / 30MHz~2400MHz (down 30dBc)



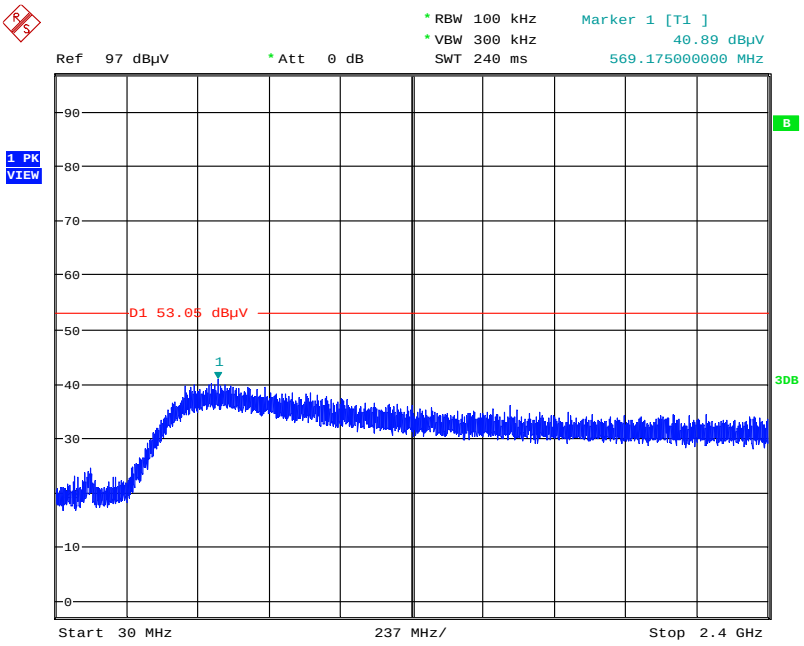
Date: 17.DEC.2014 15:57:38

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / CH 3 / 2500MHz~26500MHz (down 30dBc)



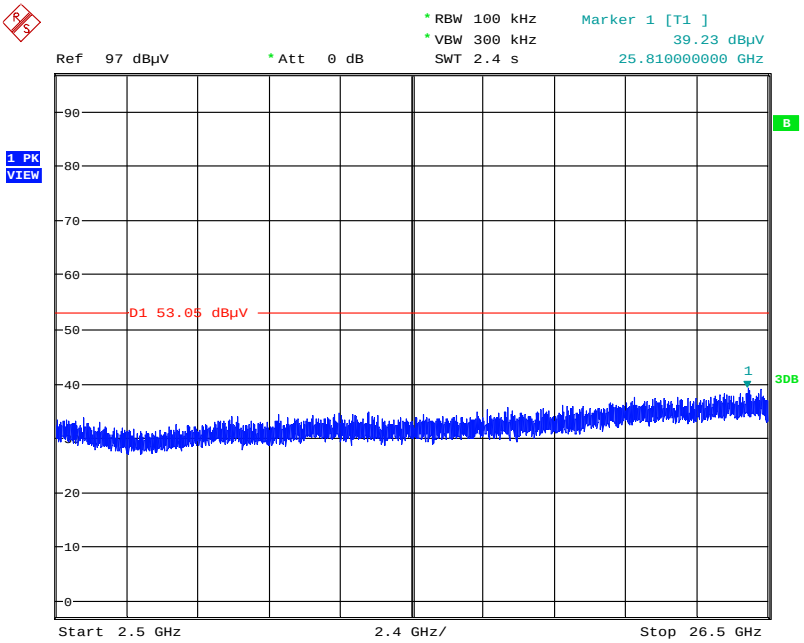
Date: 17.DEC.2014 15:58:11

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / CH 9 / 30MHz~2400MHz (down 30dBc)



Date: 17.DEC.2014 16:00:15

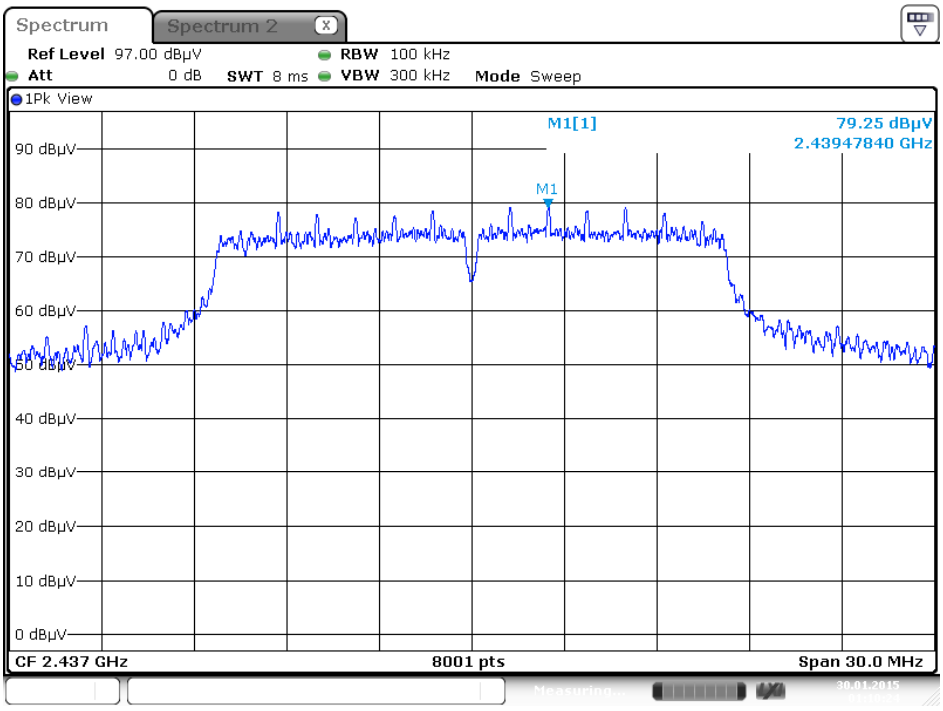
Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / CH 9 / 2500MHz~26500MHz (down 30dBc)



Date: 17.DEC.2014 15:59:29

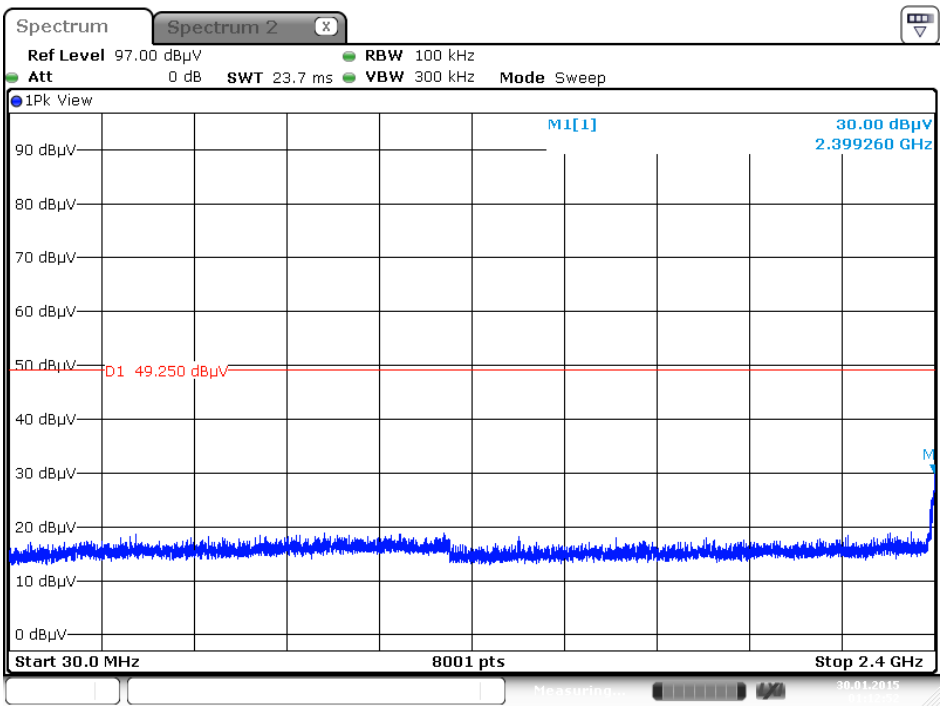
Mode 2: (Ant.7 Panel antenna / 6.5 dBi / 2TX)

Plot on Configuration IEEE 802.11g / Reference Level



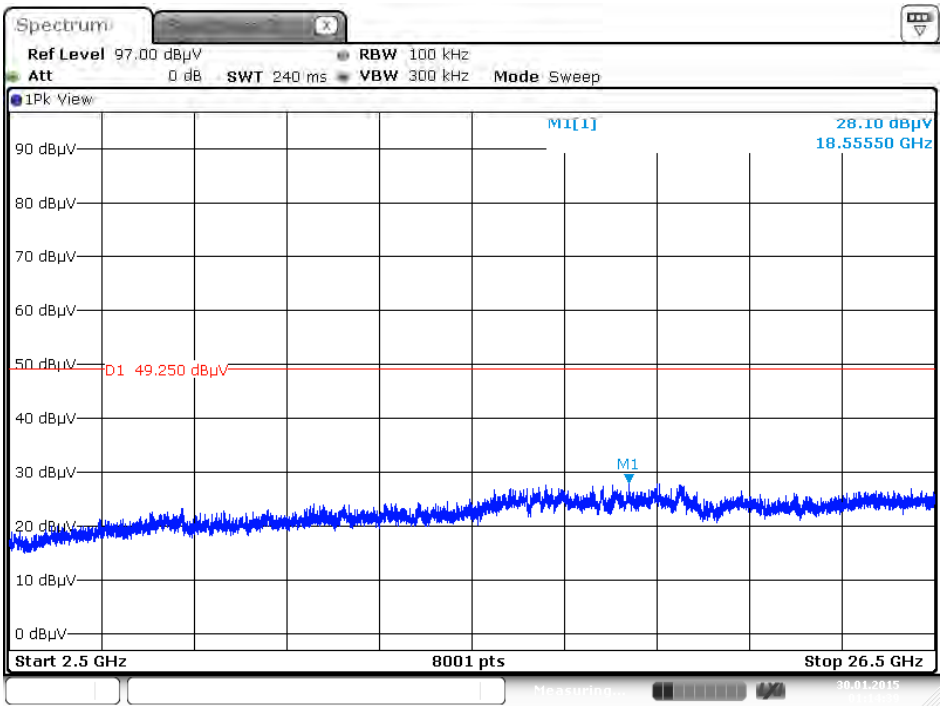
Date: 30.JAN.2015 01:10:25

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



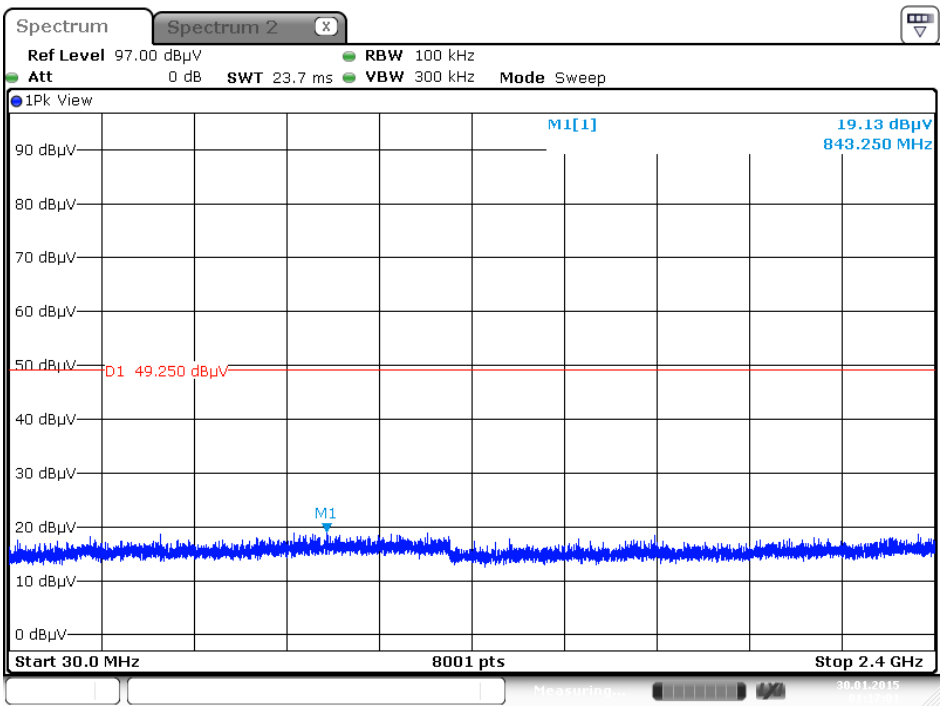
Date: 30.JAN.2015 01:12:52

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



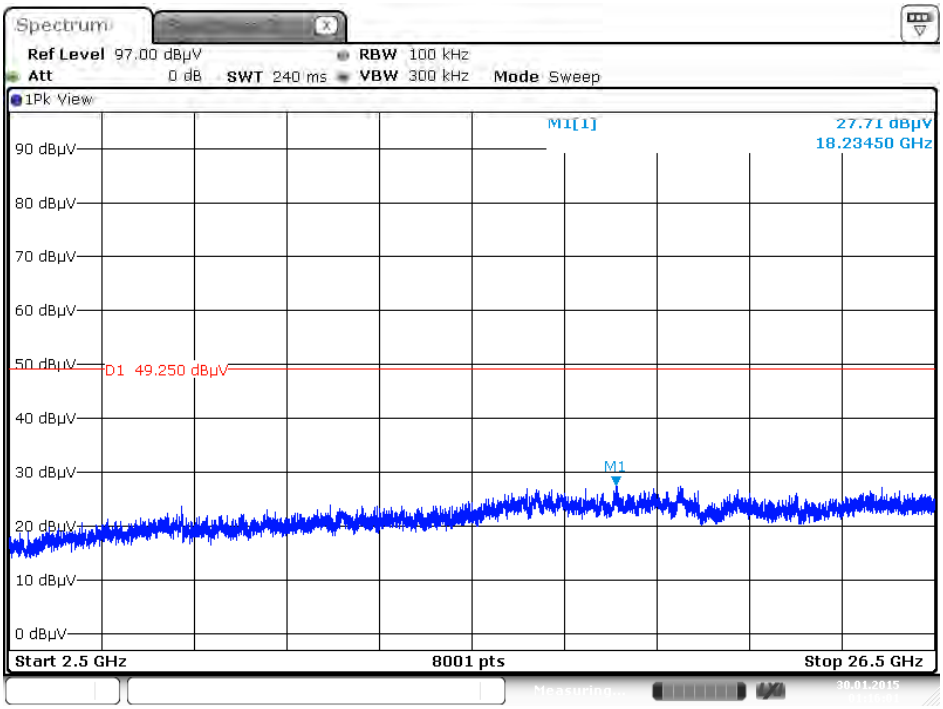
Date:30.JAN.2015 01:14:39

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



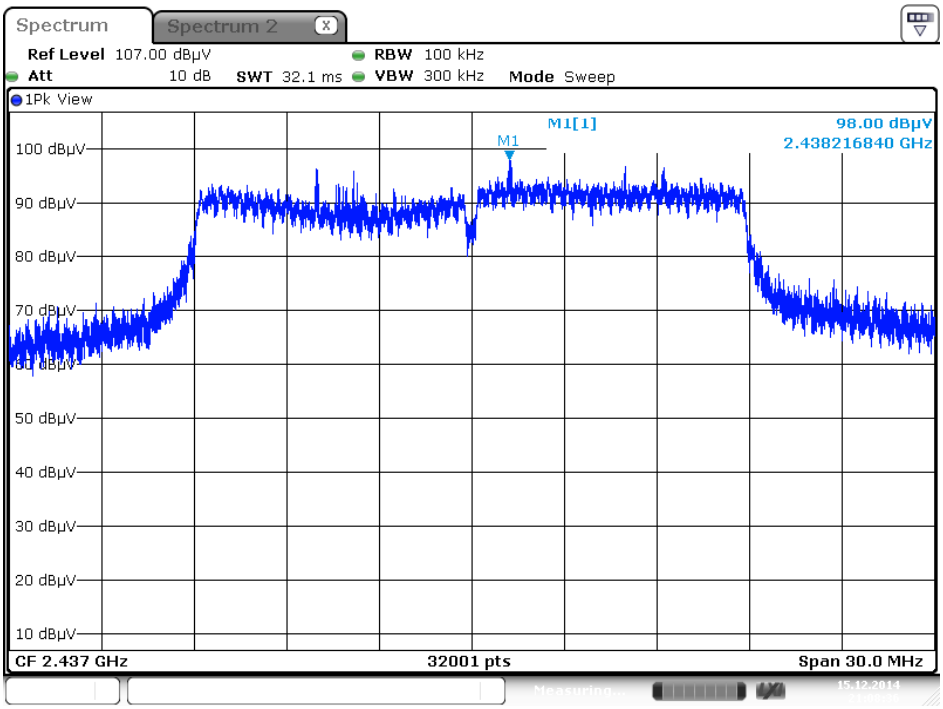
Date:30.JAN.2015 01:17:02

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



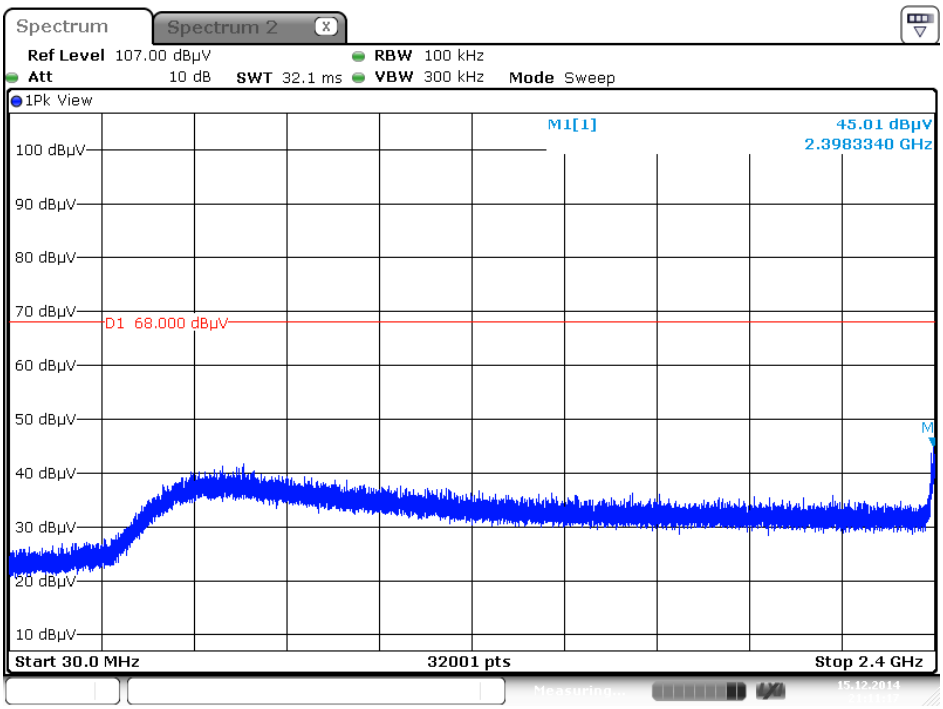
Date: 30.JAN.2015 01:16:01

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 / Reference Level



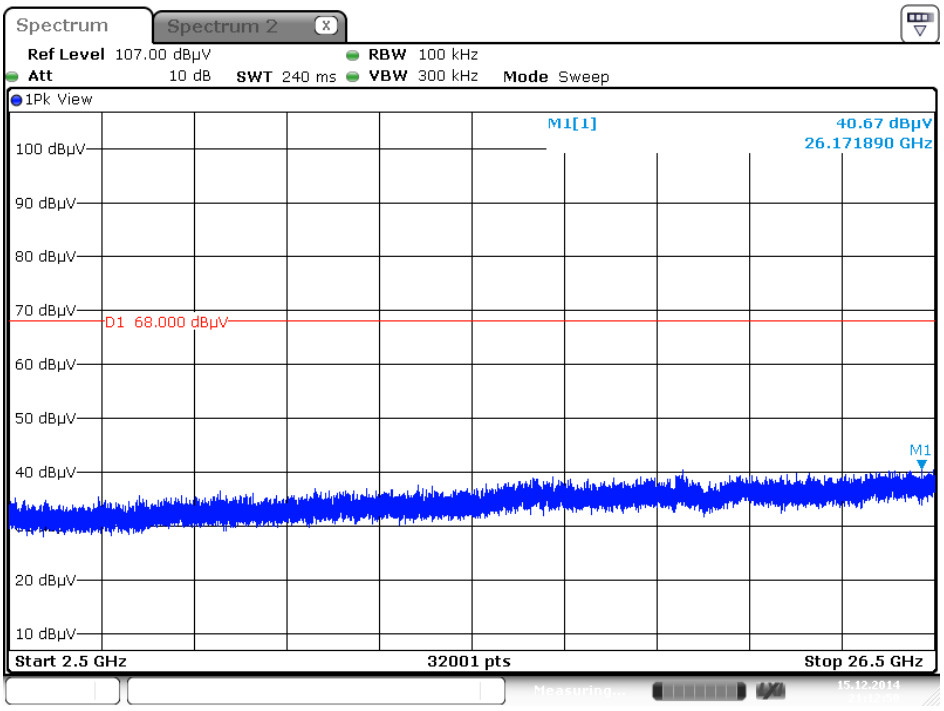
Date:15.DEC.2014 21:08:36

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 HT20 / CH 1 / 30MHz~2400MHz (down 30dBc)



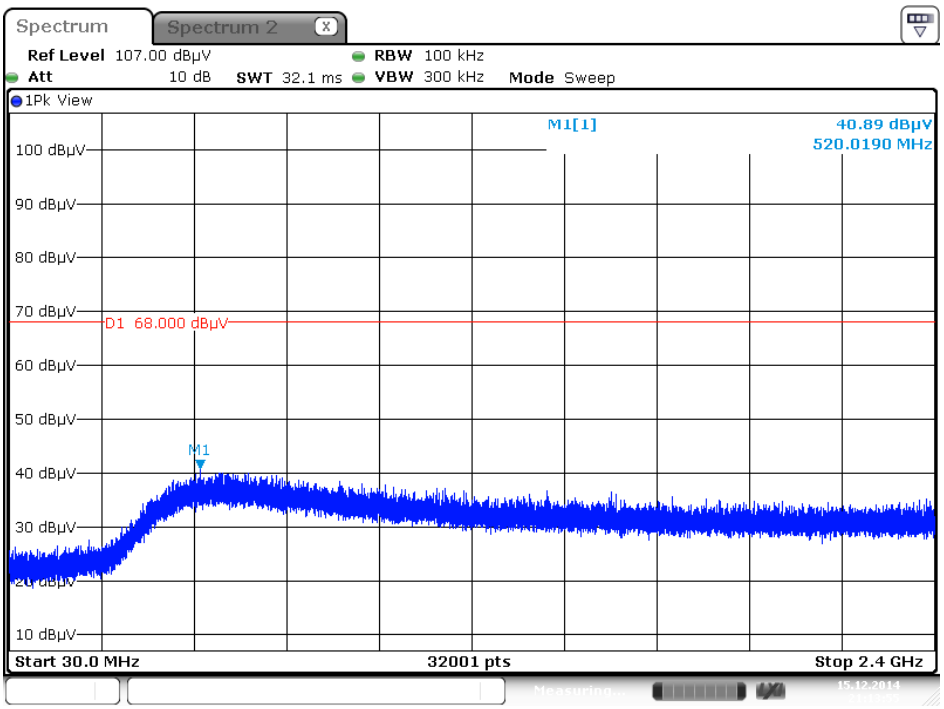
Date:15.DEC.2014 21:11:17

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 / CH 1 / 2500MHz~26500MHz (down 30dBc)



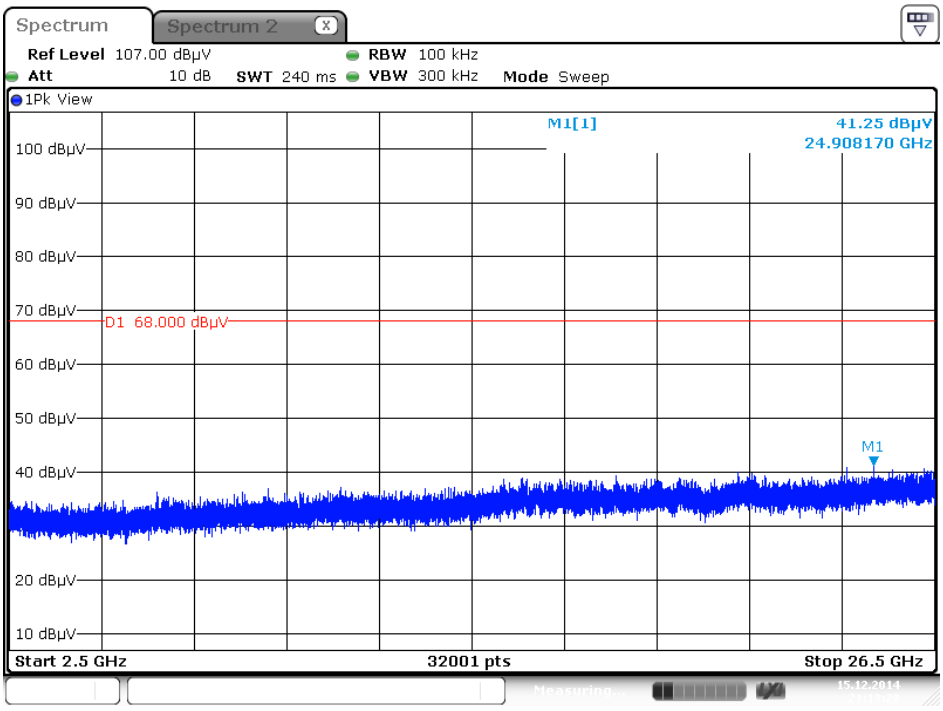
Date:15.DEC.2014 21:12:50

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 / CH 11 / 30MHz~2400MHz (down 30dBc)



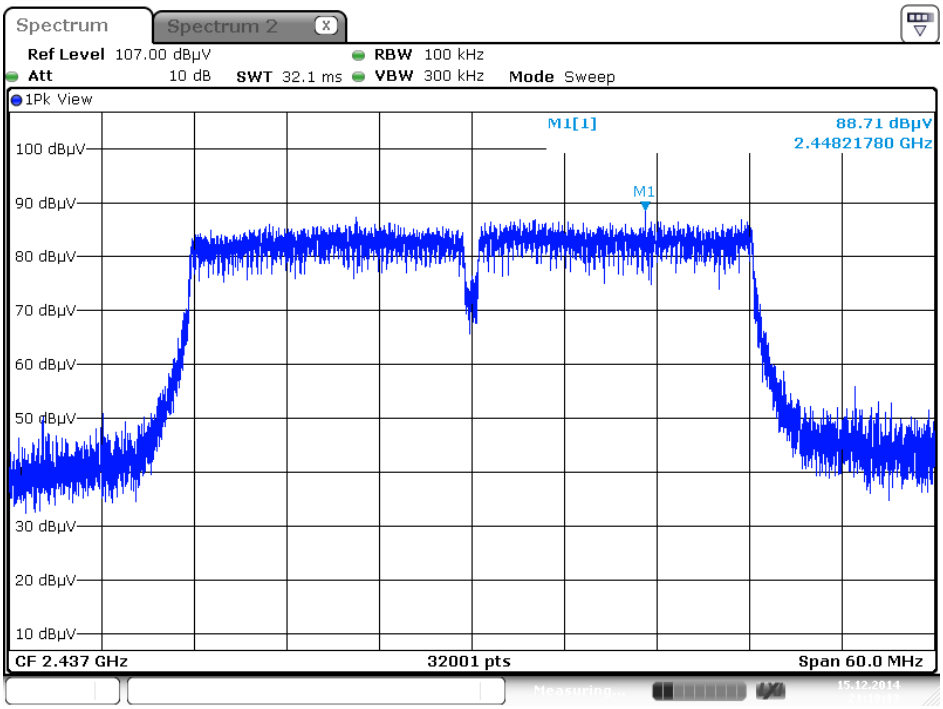
Date:15.DEC.2014 21:13:56

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



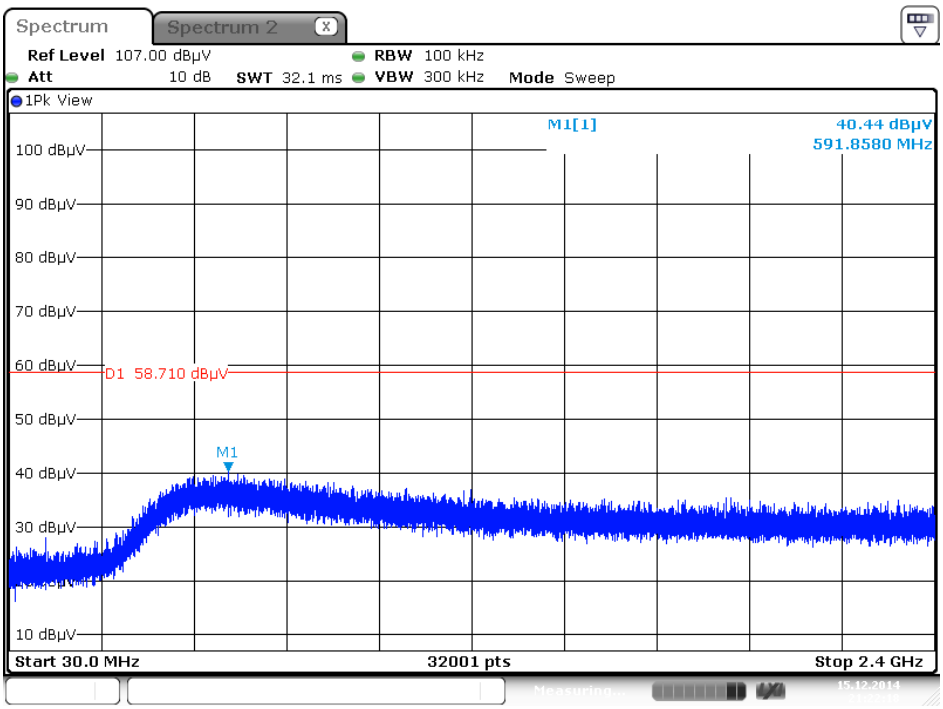
Date:15.DEC.2014 21:13:28

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / Reference Level



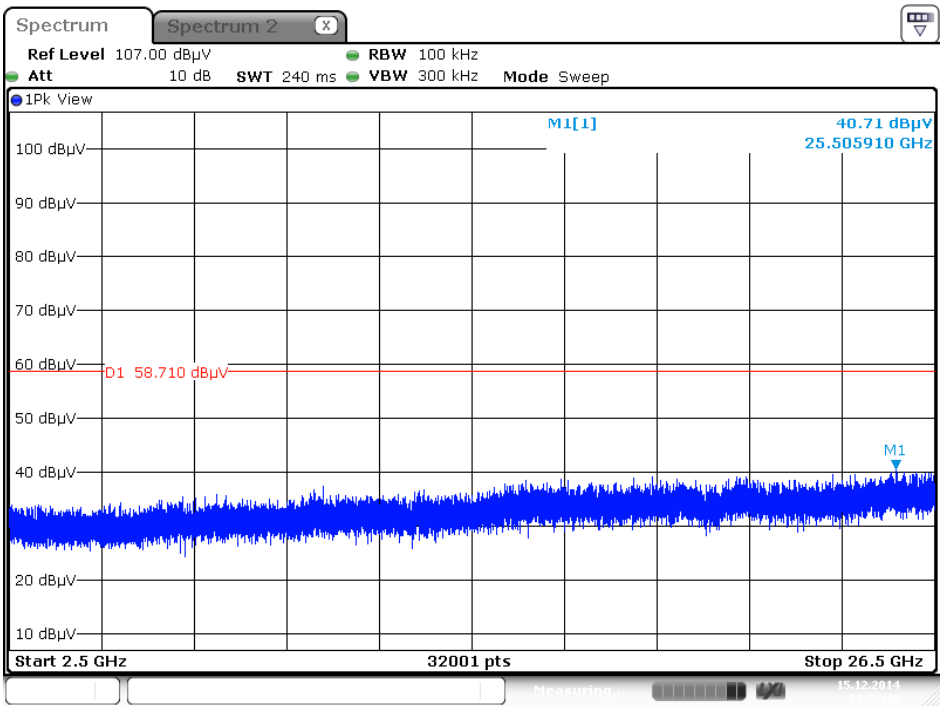
Date:15.DEC.2014 21:18:13

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / CH 3 / 30MHz~2400MHz (down 30dBc)



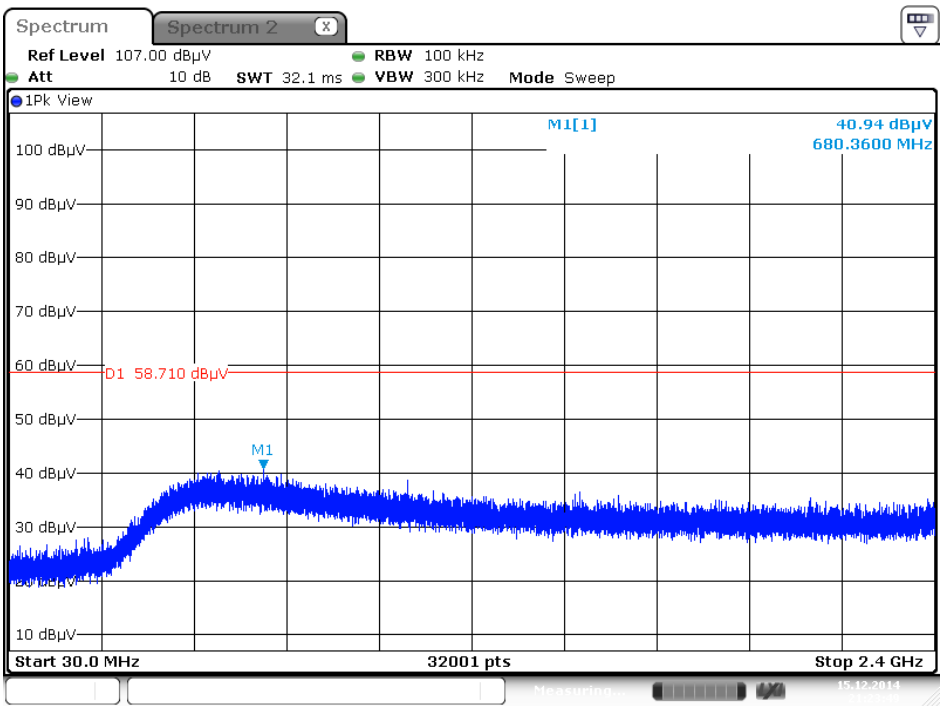
Date:15.DEC.2014 21:22:19

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / CH 3 / 2500MHz~26500MHz (down 30dBc)



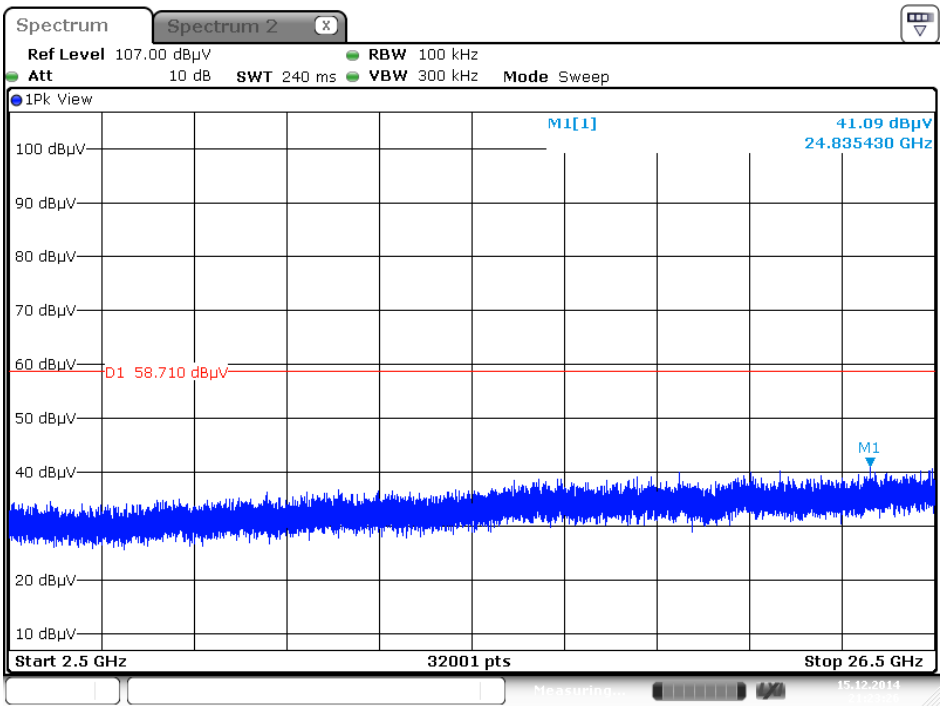
Date:15.DEC.2014 21:22:46

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / CH 9 / 30MHz~2400MHz (down 30dBc)



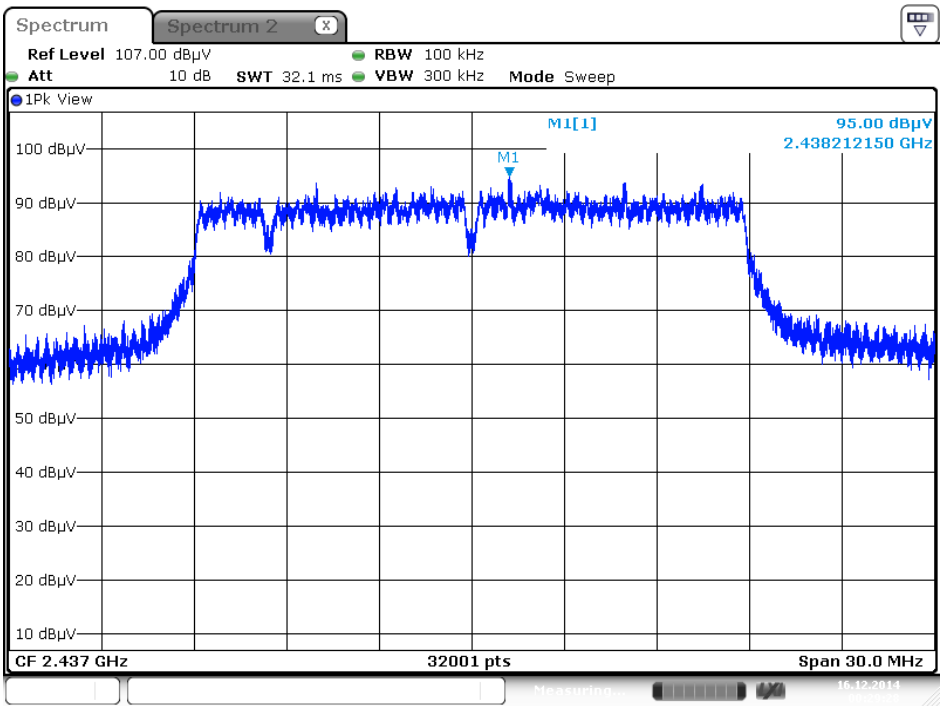
Date:15.DEC.2014 21:23:49

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / CH 9 / 2500MHz~26500MHz (down 30dBc)



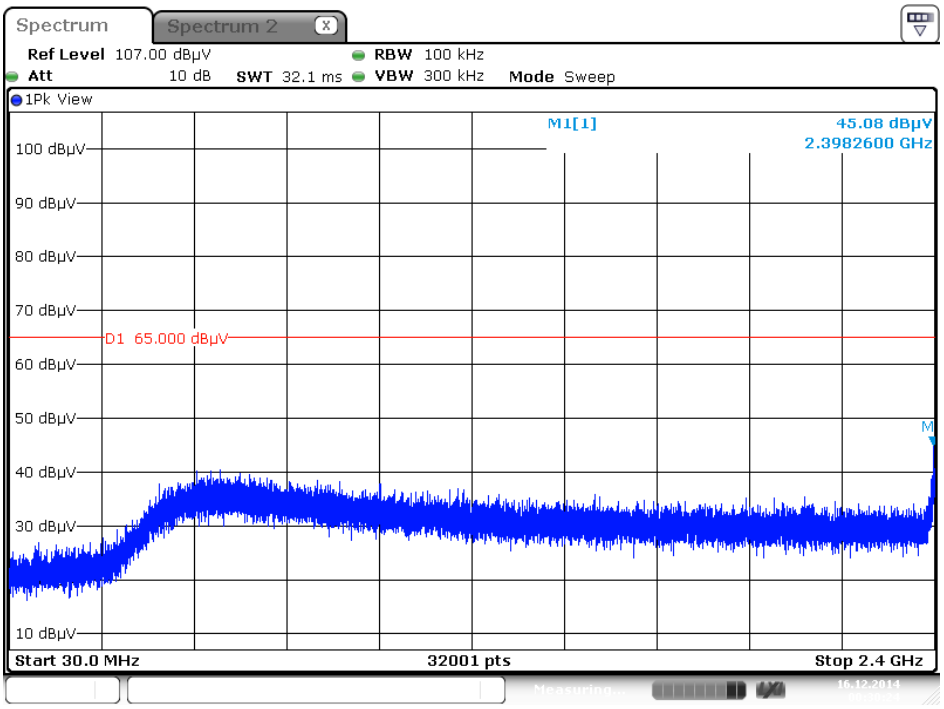
Mode 2: (Ant.7 Panel antenna / 6.5 dBi / 3TX)

Plot on Configuration IEEE 802.11g / Reference Level



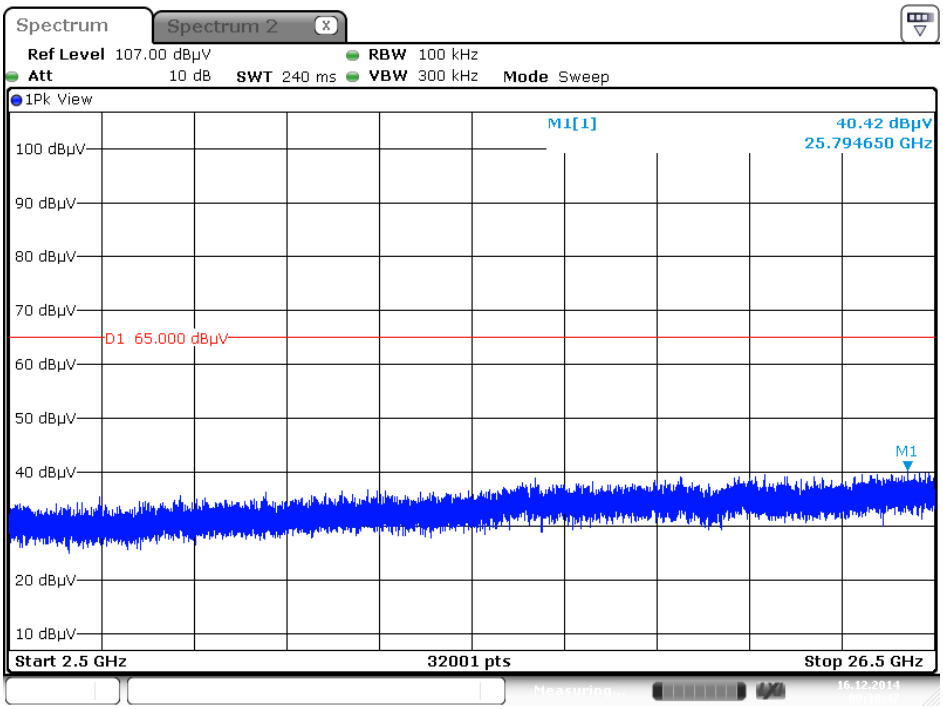
Date:16.DEC.2014 00:29:29

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



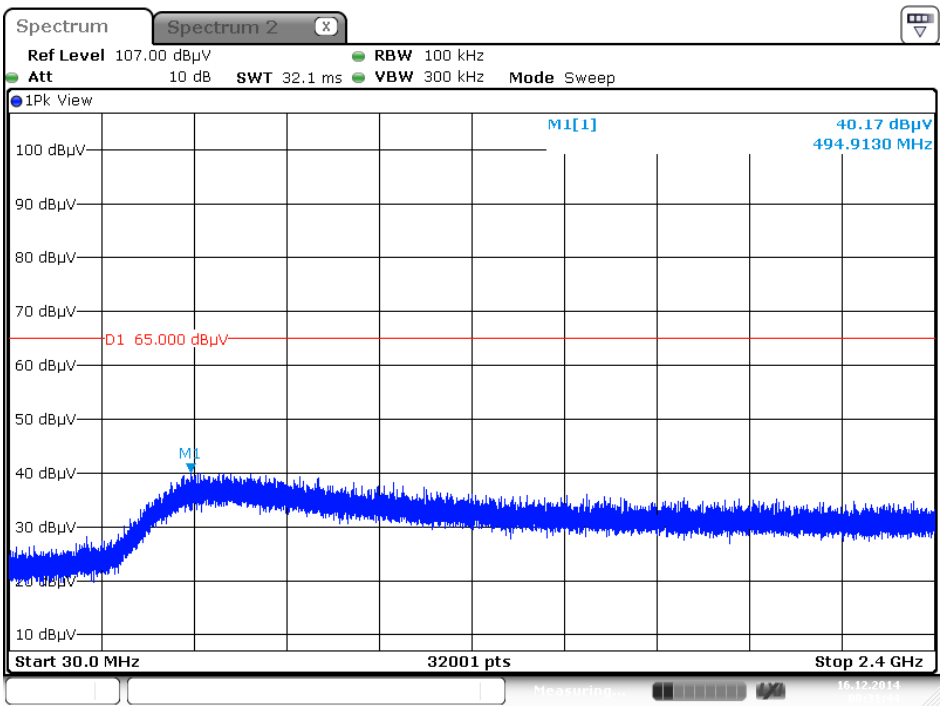
Date:16.DEC.2014 00:30:24

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



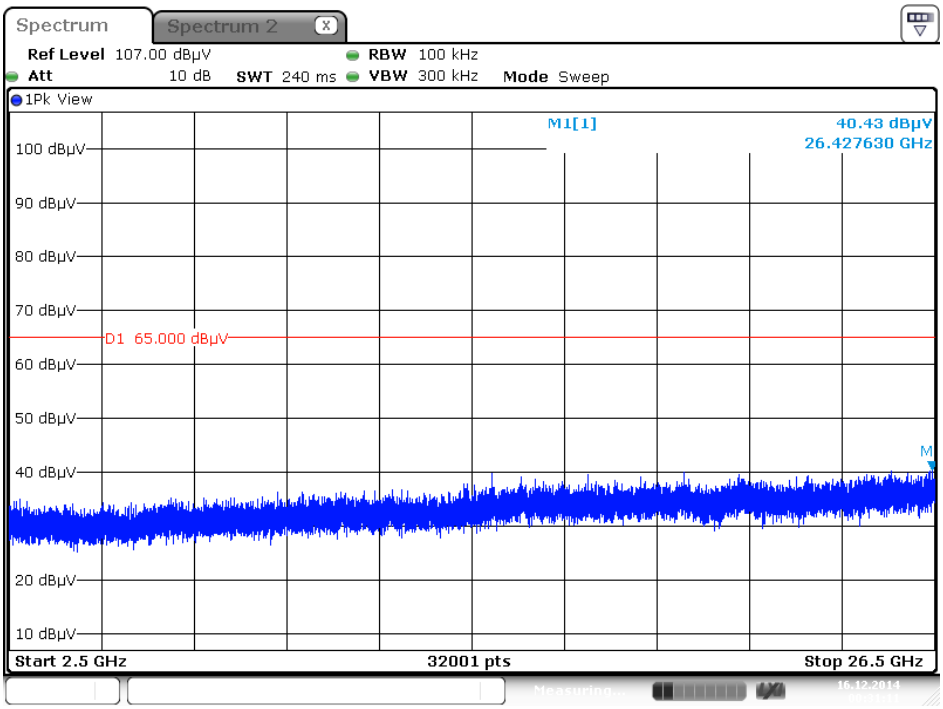
Date:16.DEC.2014 00:30:47

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

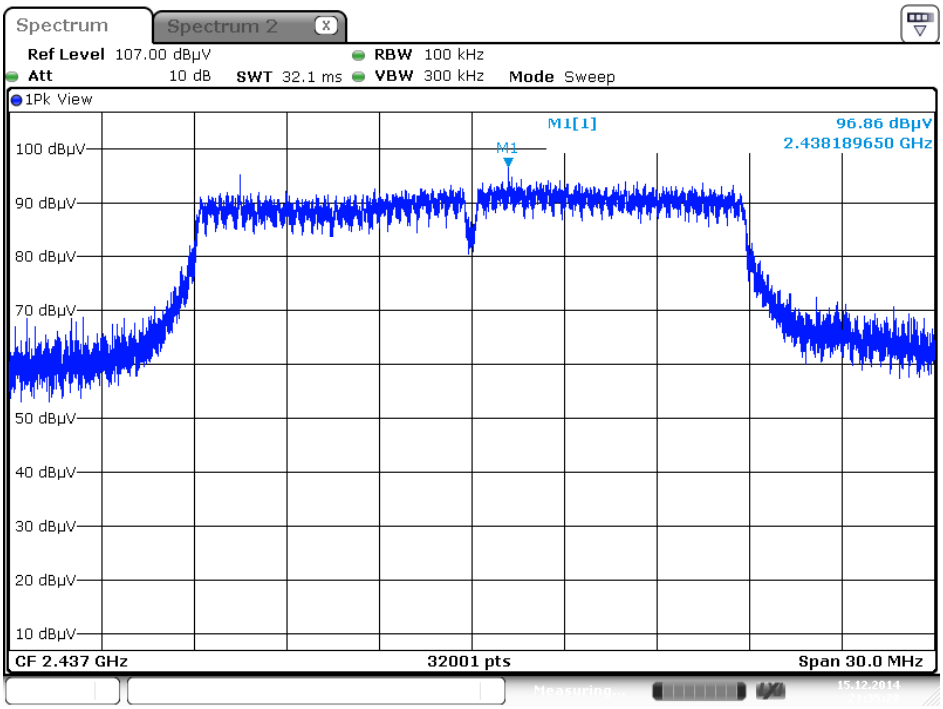


Date:16.DEC.2014 00:31:44

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

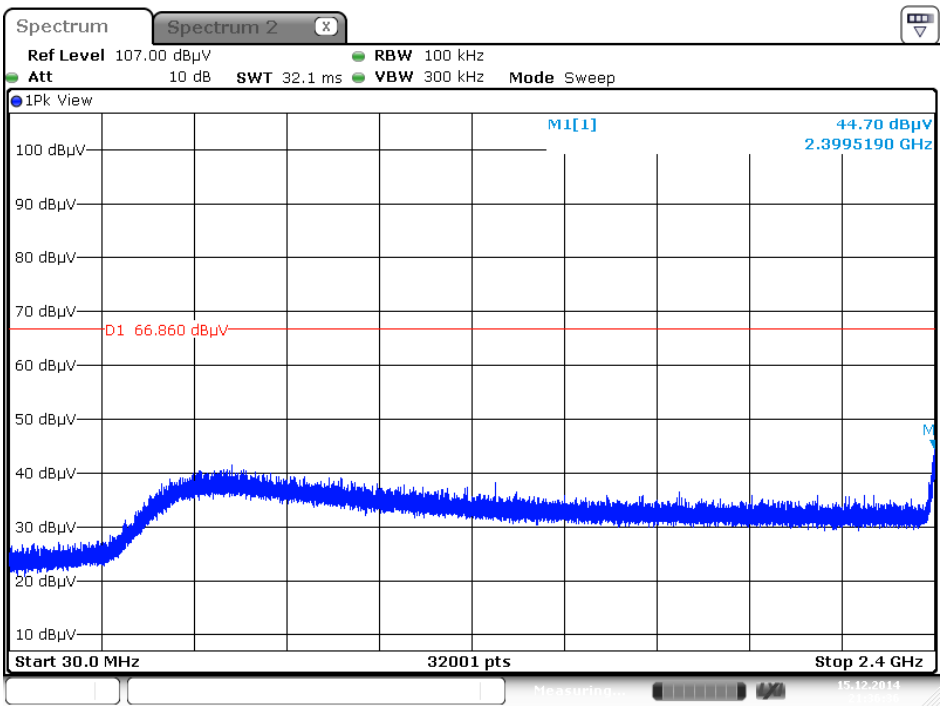


Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 / Reference Level



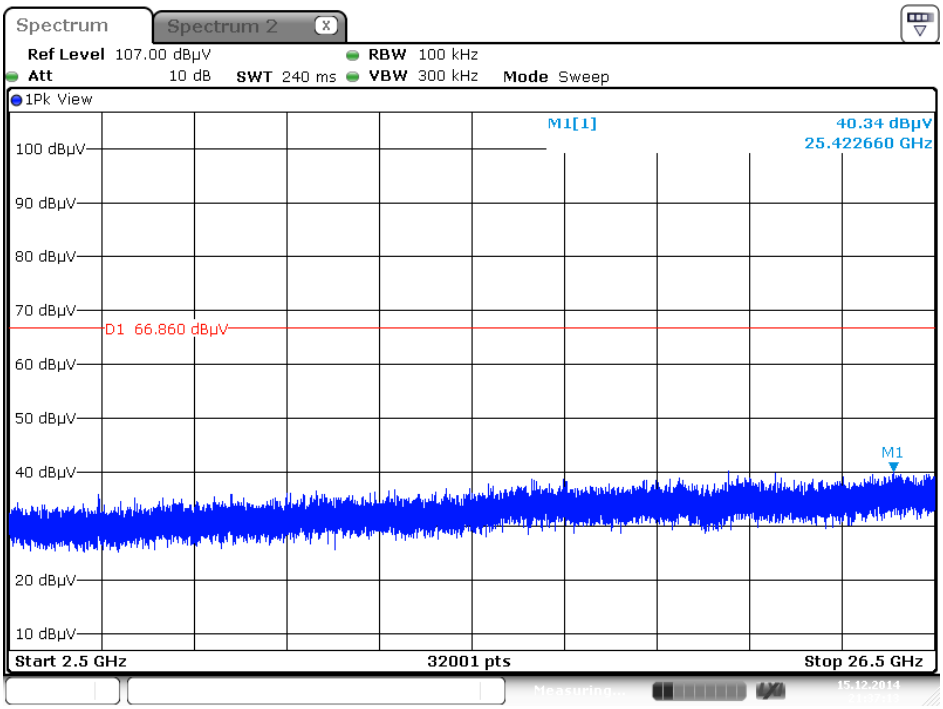
Date:15.DEC.2014 21:35:28

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 HT20 / CH 1 / 30MHz~2400MHz (down 30dBc)



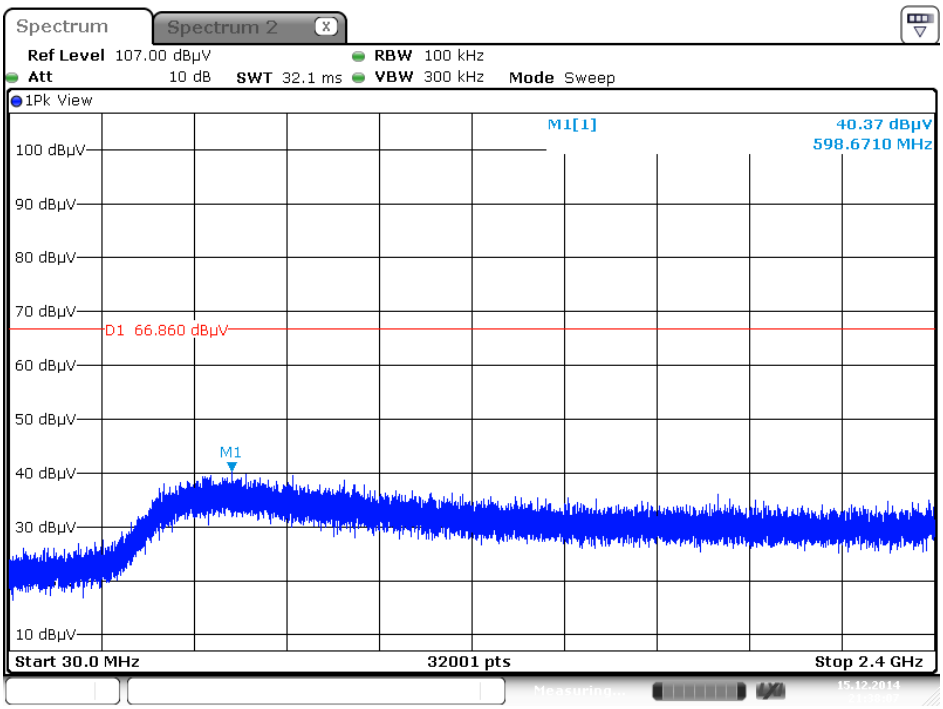
Date:15.DEC.2014 21:36:36

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 / CH 1 / 2500MHz~26500MHz (down 30dBc)



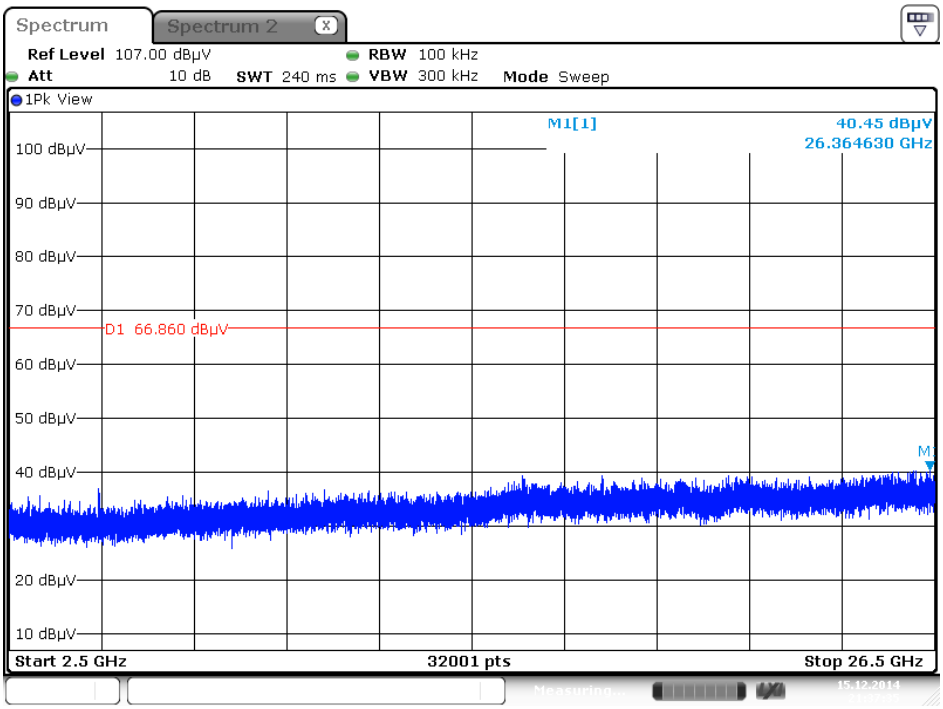
Date:15.DEC.2014 21:37:14

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 / CH 11 / 30MHz~2400MHz (down 30dBc)



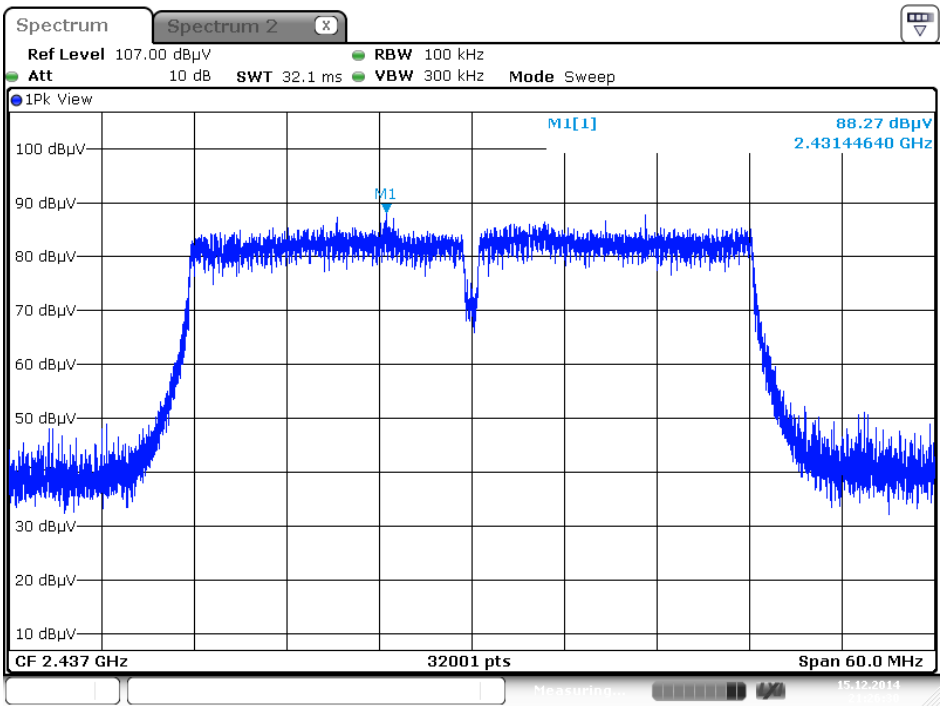
Date:15.DEC.2014 21:38:07

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



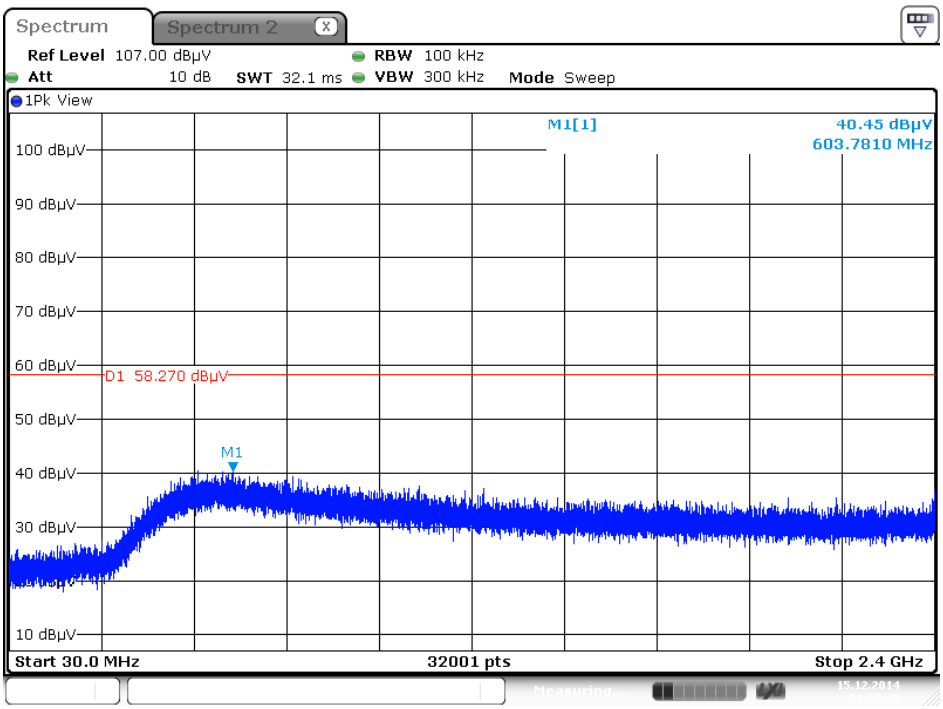
Date: 15.DEC.2014 21:37:35

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / Reference Level



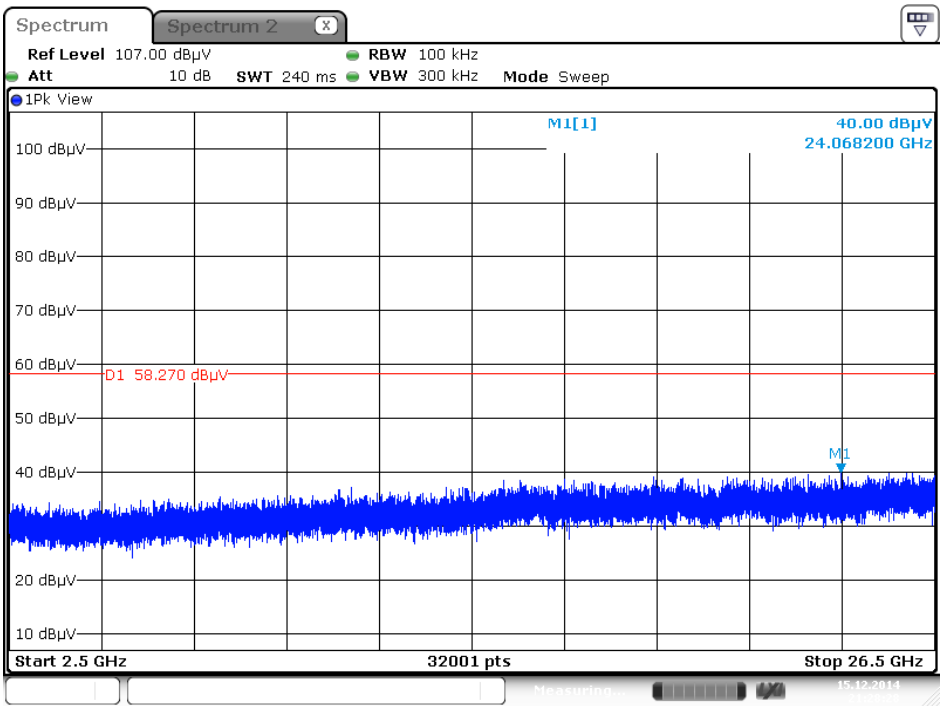
Date:15.DEC.2014 21:26:30

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / CH 3 / 30MHz~2400MHz (down 30dBc)



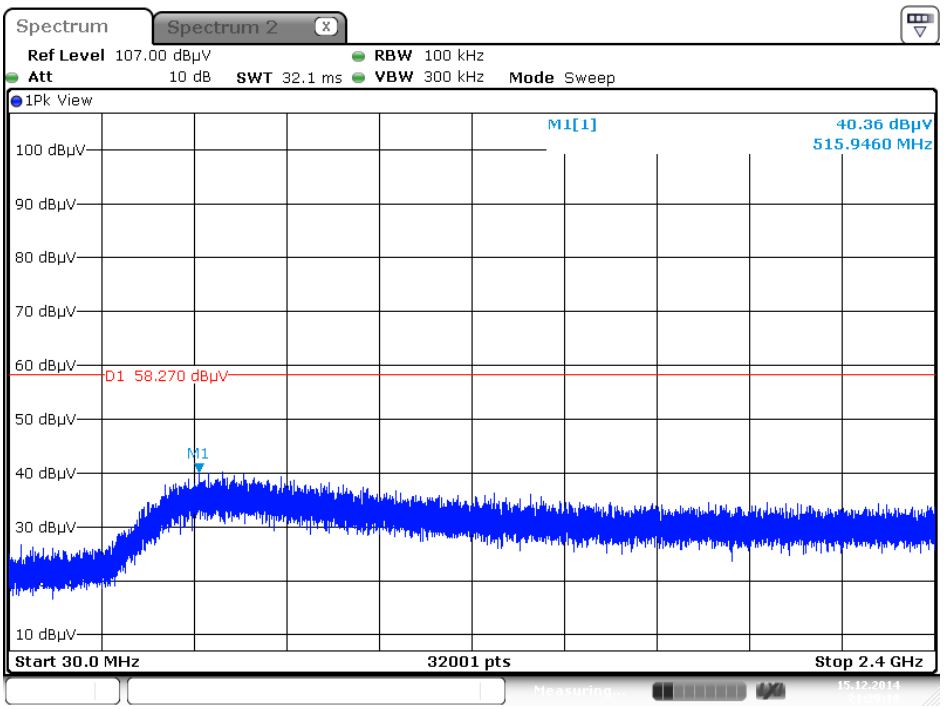
Date:15.DEC.2014 21:27:47

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / CH 3 / 2500MHz~26500MHz (down 30dBc)



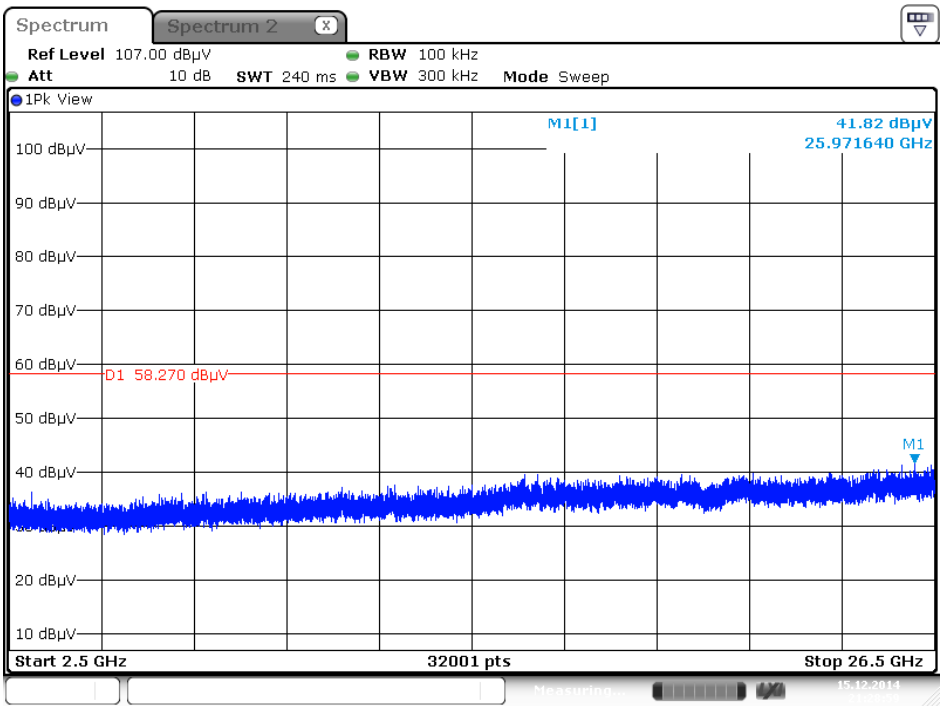
Date:15.DEC.2014 21:28:29

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / CH 9 / 30MHz~2400MHz (down 30dBc)



Date:15.DEC.2014 21:29:19

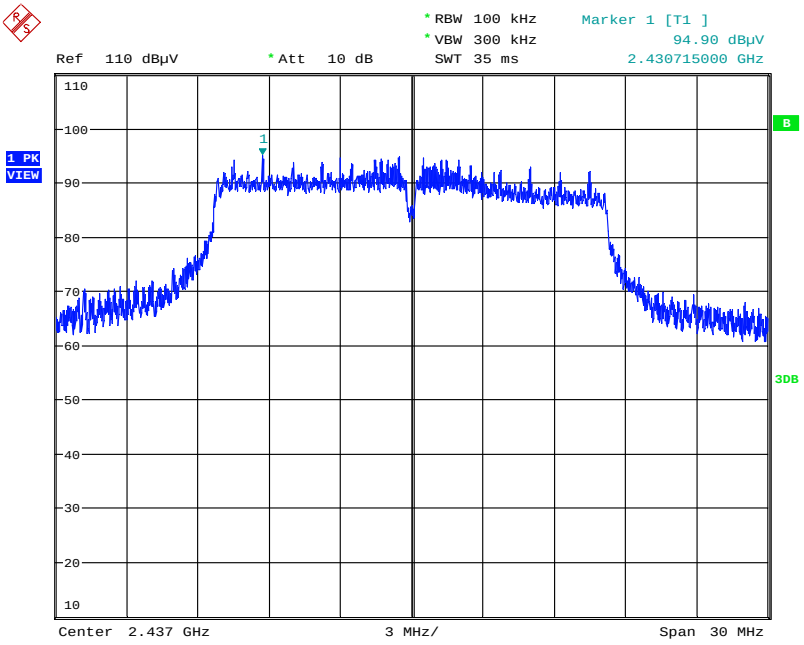
Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / CH 9 / 2500MHz~26500MHz (down 30dBc)



Date: 15.DEC.2014 21:28:59

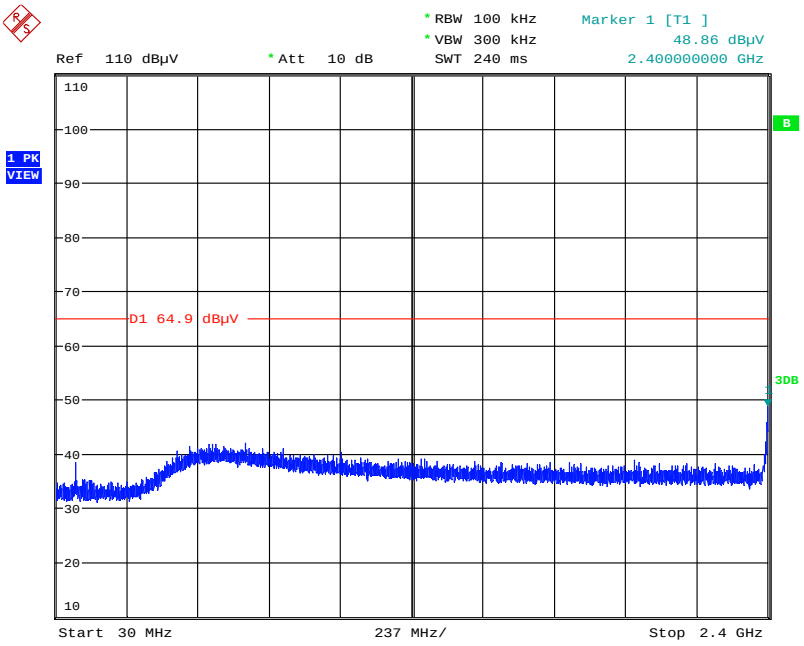
Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 1: 8.8, Chain 2: 5.9, Chain 3: 9 dBi / 2TX)

Plot on Configuration IEEE 802.11g / Reference Level



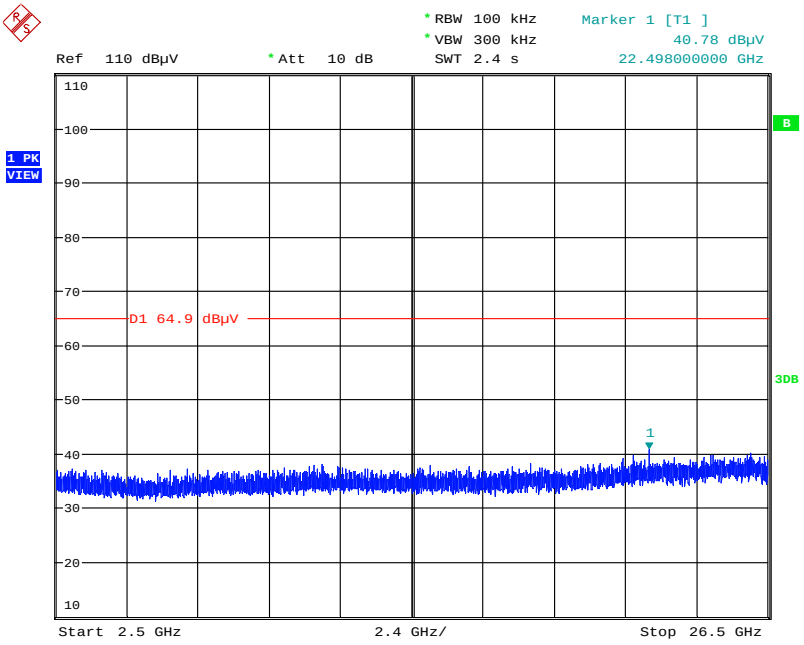
Date: 25.DEC.2014 01:35:26

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



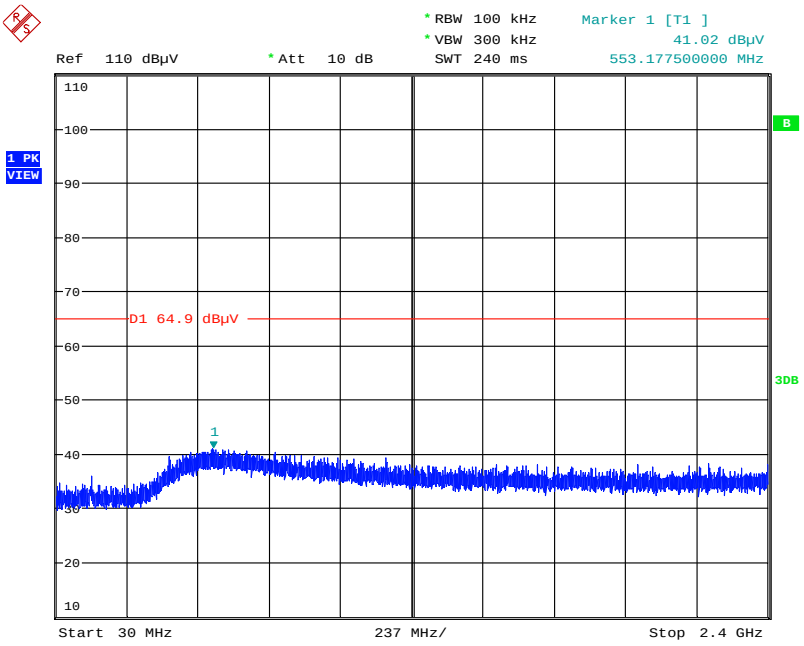
Date: 25.DEC.2014 01:37:50

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



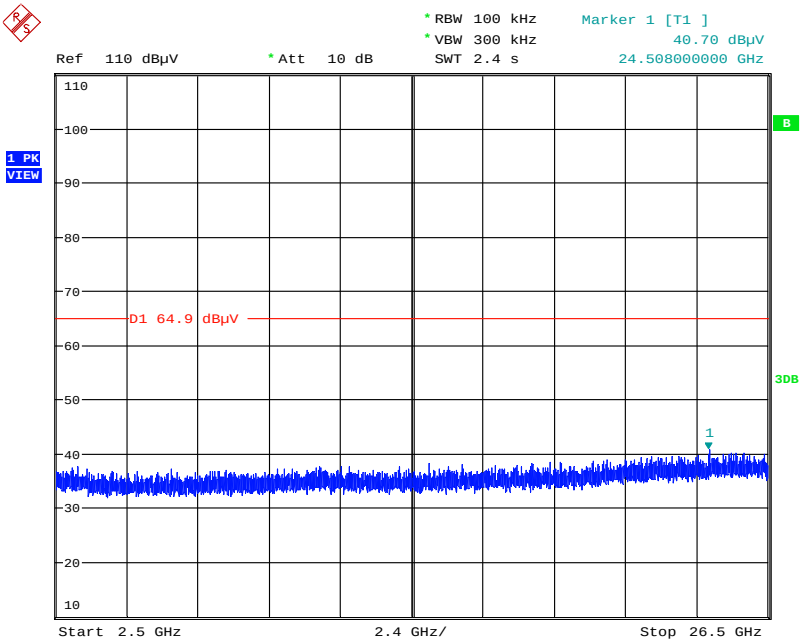
Date: 25.DEC.2014 01:38:21

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



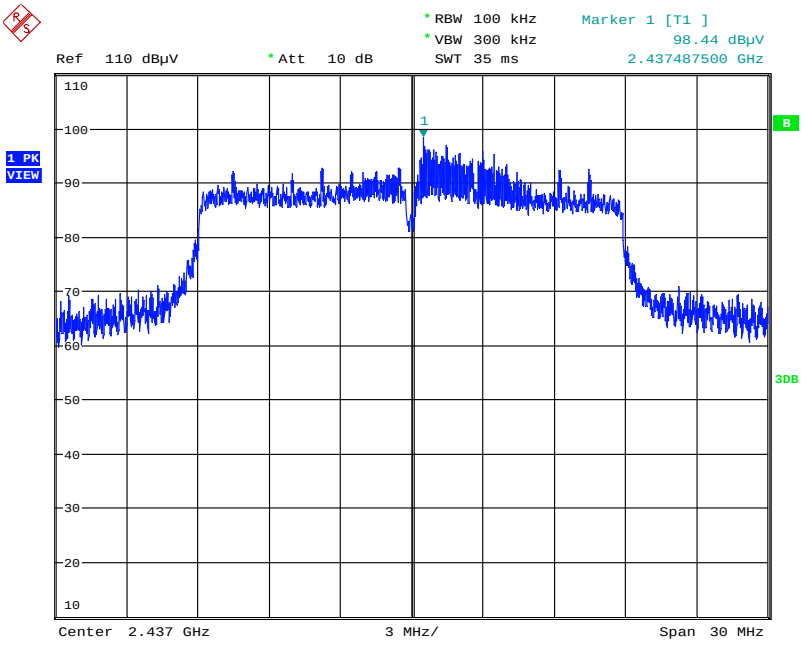
Date: 25.DEC.2014 01:40:46

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



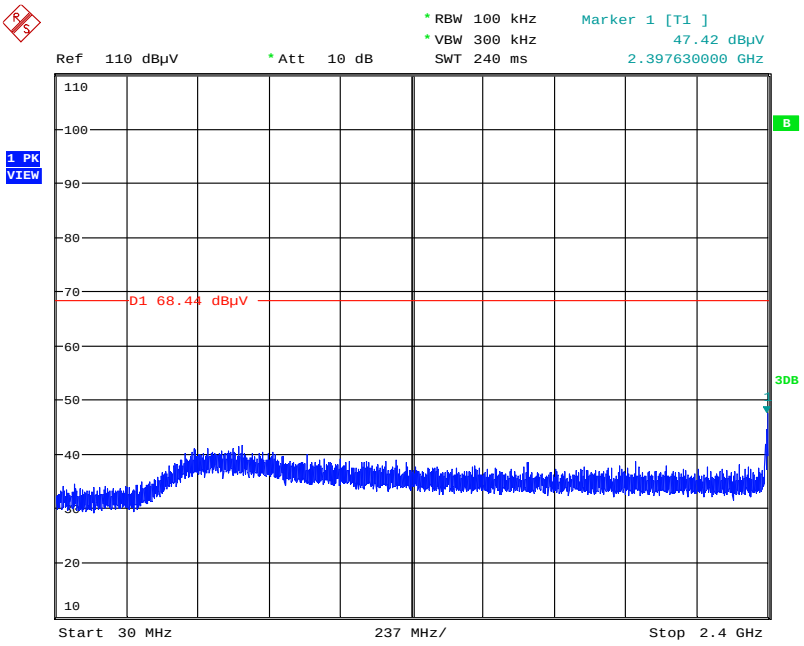
Date: 25.DEC.2014 01:39:35

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 / Reference Level



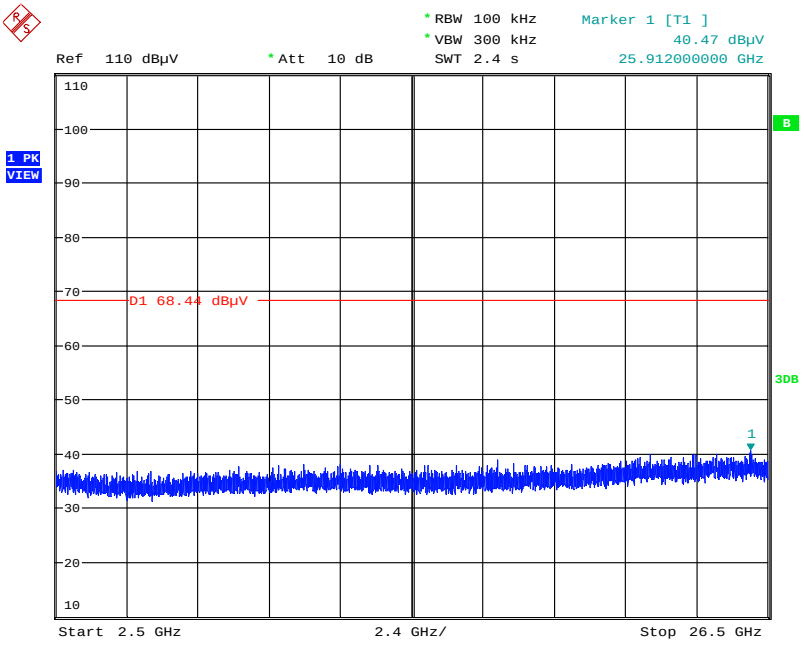
Date: 25.DEC.2014 01:27:18

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 HT20 / CH 1 / 30MHz~2400MHz (down 30dBc)



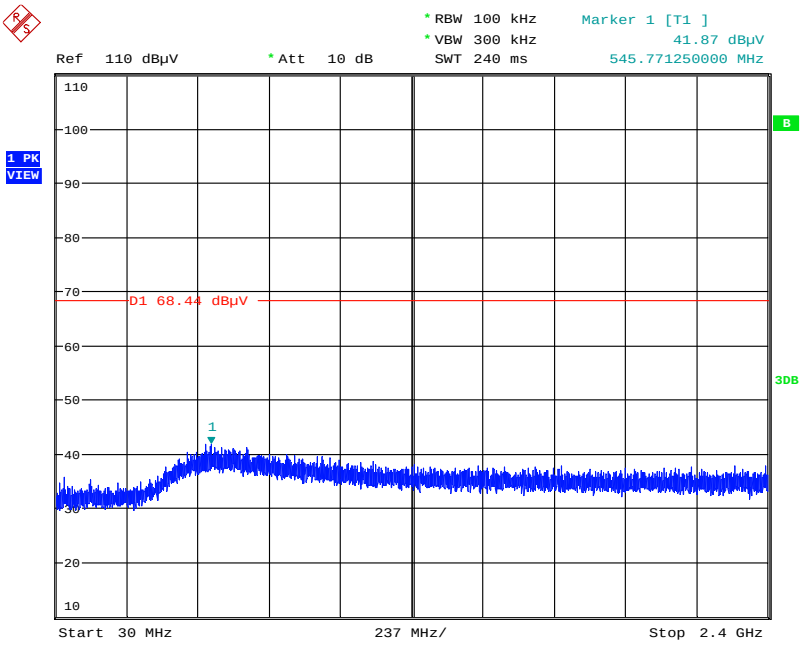
Date: 25.DEC.2014 01:28:44

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 / CH 1 / 2500MHz~26500MHz (down 30dBc)



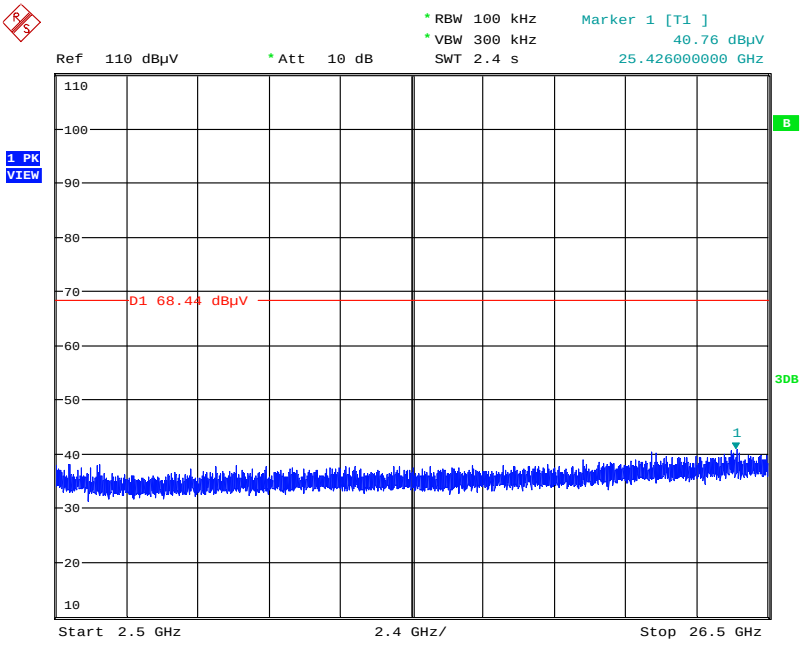
Date: 25.DEC.2014 01:29:12

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 / CH 11 / 30MHz~2400MHz (down 30dBc)



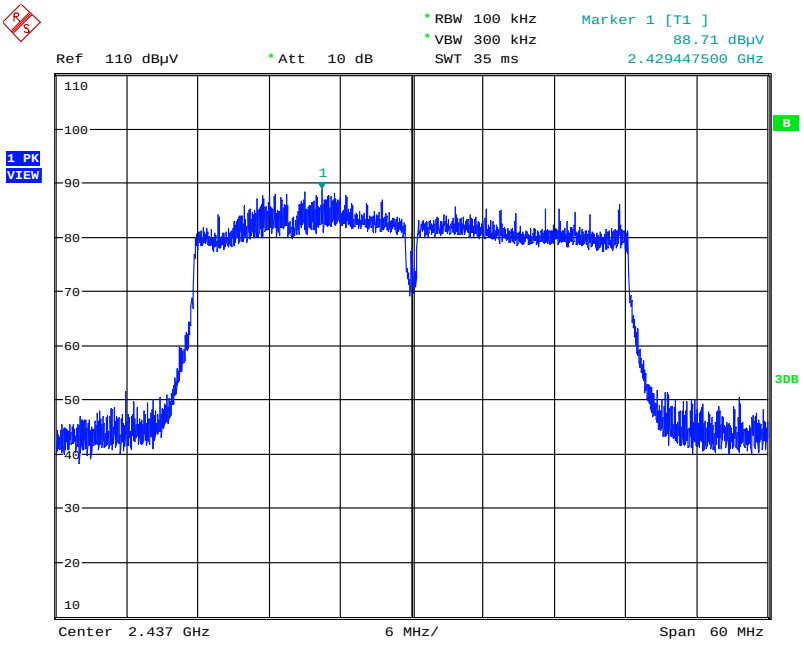
Date: 25.DEC.2014 01:30:01

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



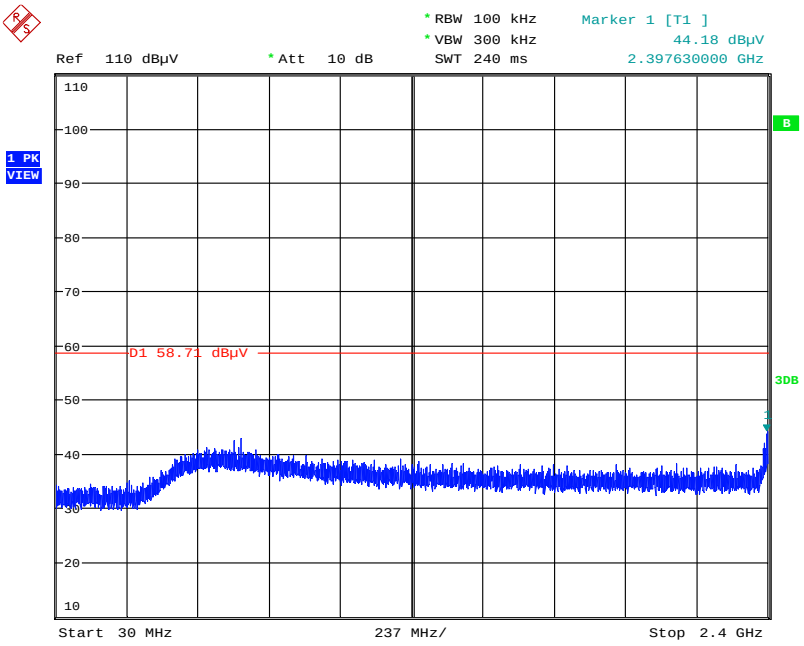
Date: 25.DEC.2014 01:30:32

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / Reference Level



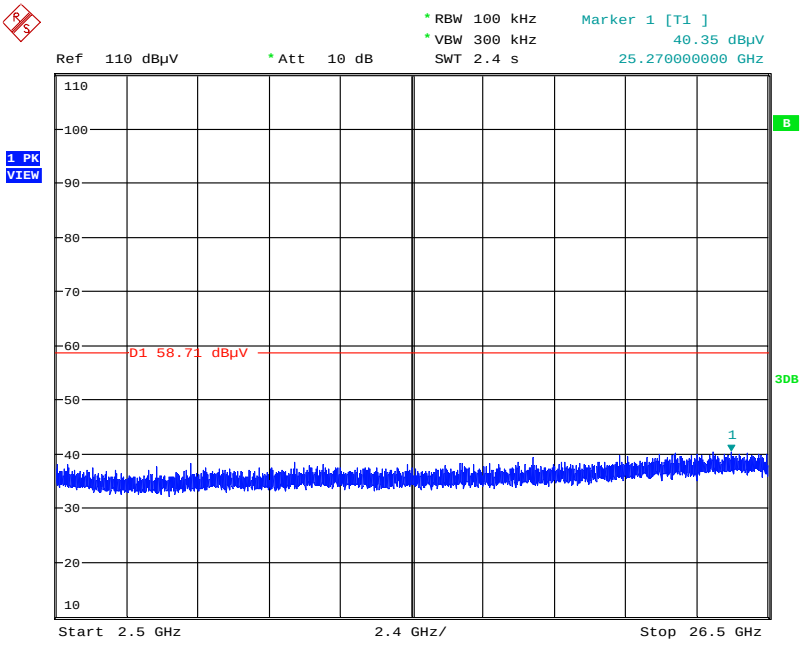
Date: 25.DEC.2014 01:00:11

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / CH 3 / 30MHz~2400MHz (down 30dBc)



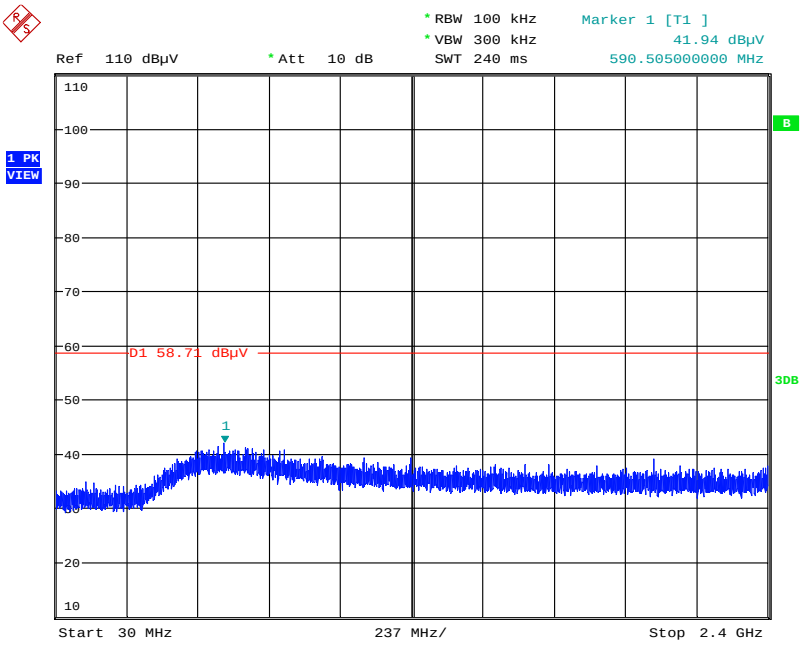
Date: 25.DEC.2014 01:01:29

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / CH 3 / 2500MHz~26500MHz (down 30dBc)



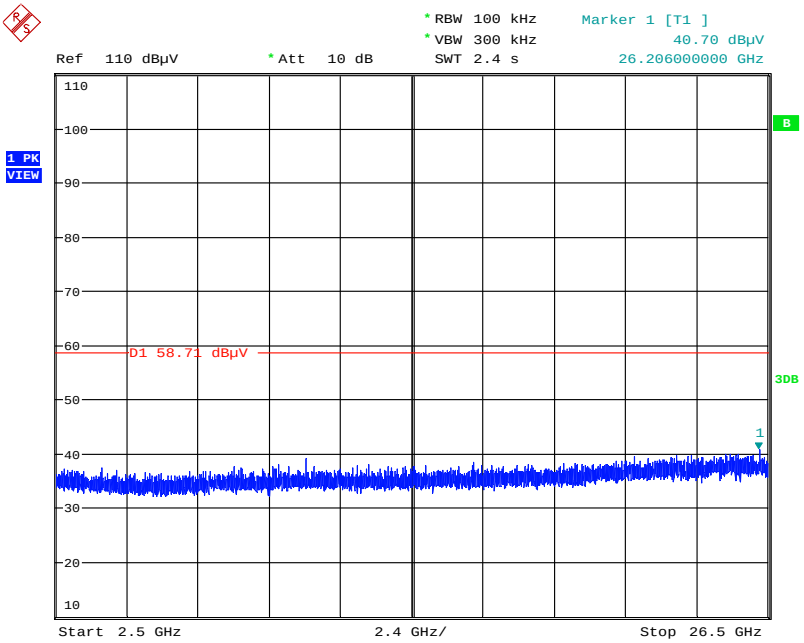
Date: 25.DEC.2014 01:02:12

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / CH 9 / 30MHz~2400MHz (down 30dBc)



Date: 25.DEC.2014 01:05:24

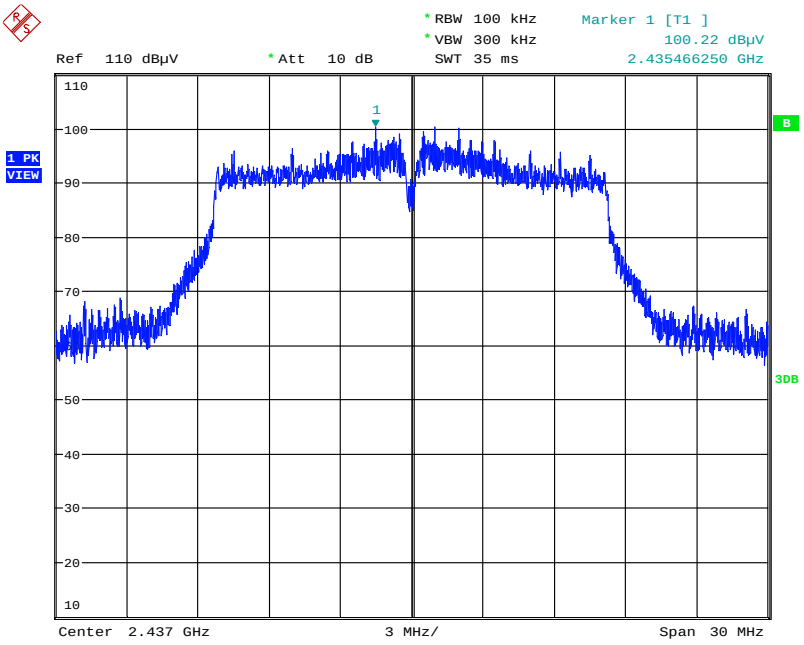
Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / CH 9 / 2500MHz~26500MHz (down 30dBc)



Date: 25.DEC.2014 01:03:40

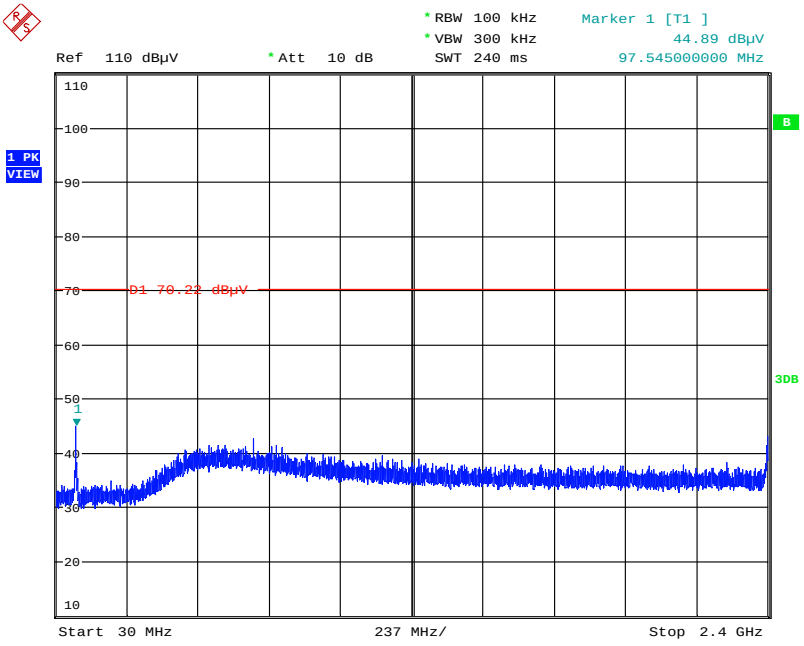
Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 1: 8.8, Chain 2: 5.9, Chain 3: 9 dBi / 3TX)

Plot on Configuration IEEE 802.11g / Reference Level



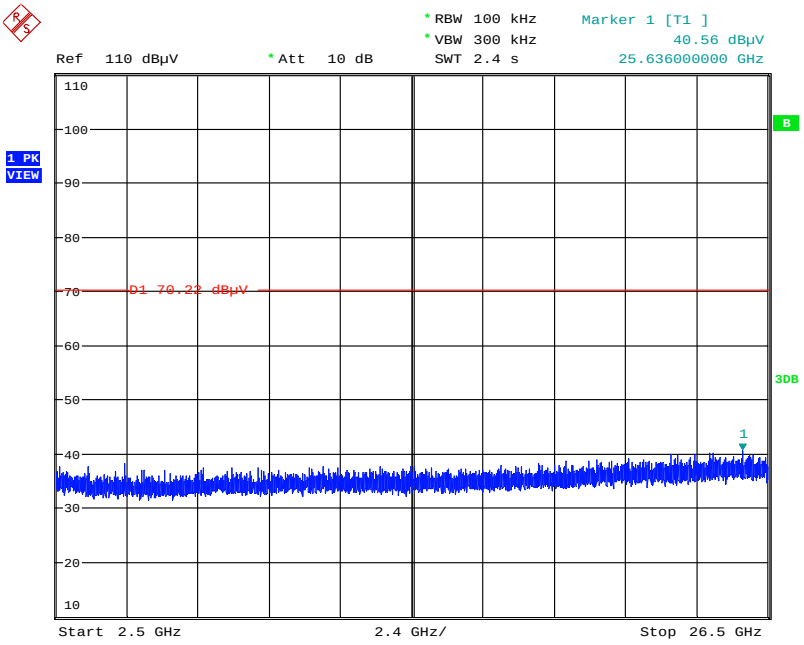
Date: 25.DEC.2014 00:49:43

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



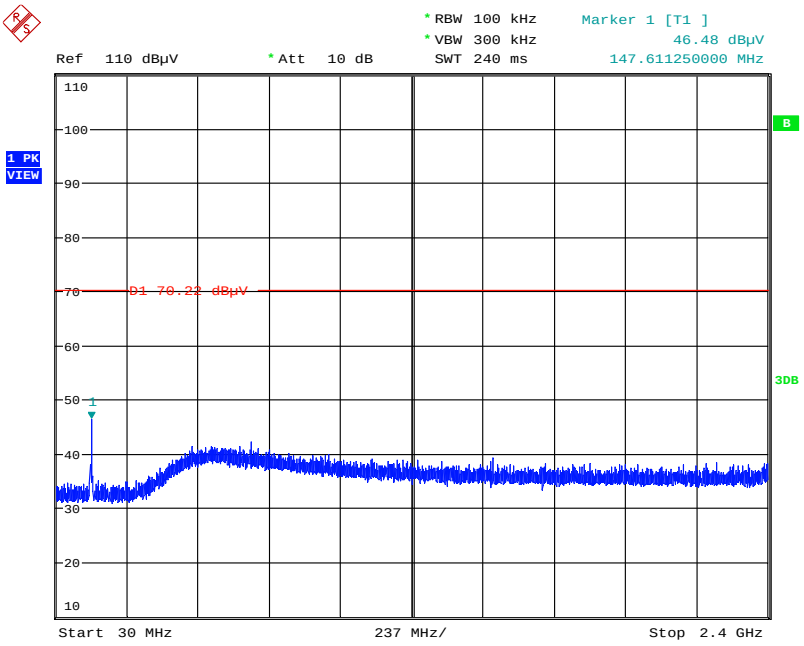
Date: 25.DEC.2014 00:51:10

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



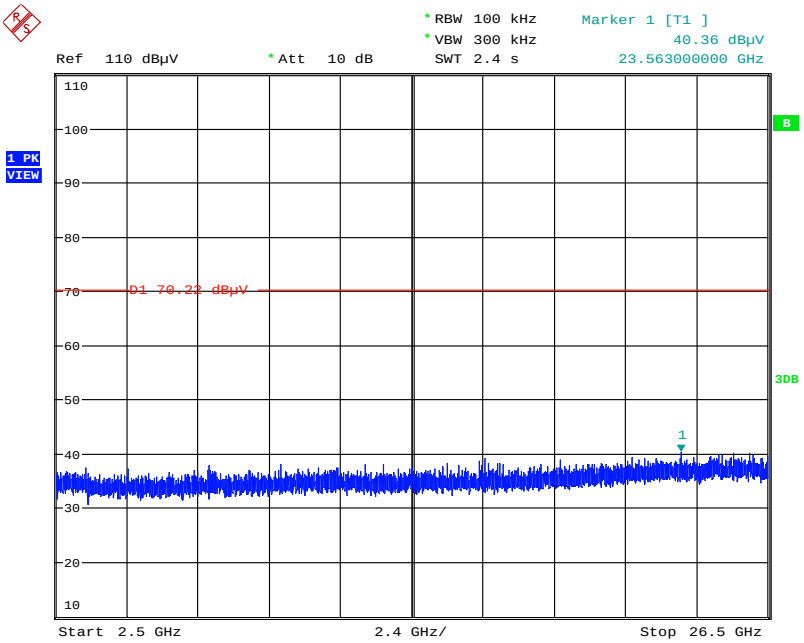
Date: 25.DEC.2014 00:51:40

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

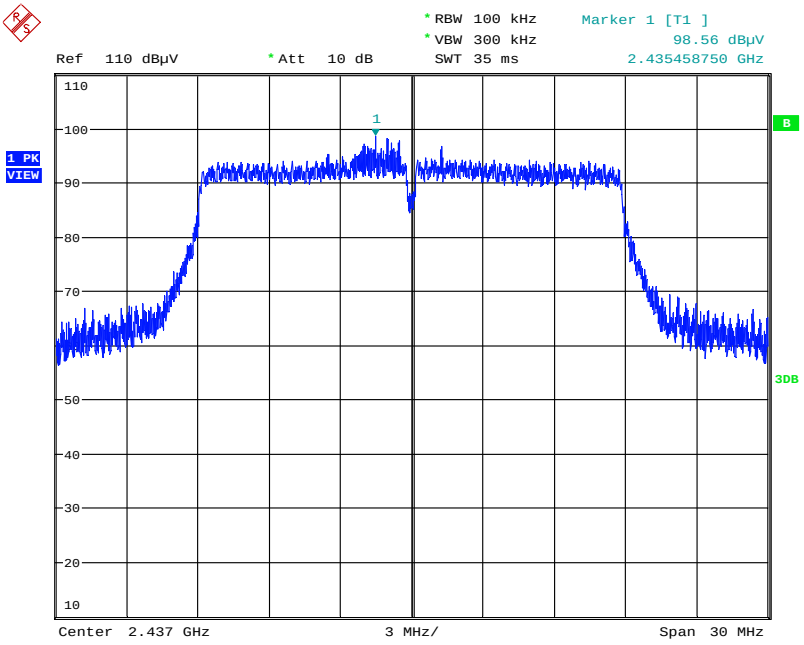


Date: 25.DEC.2014 00:53:19

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

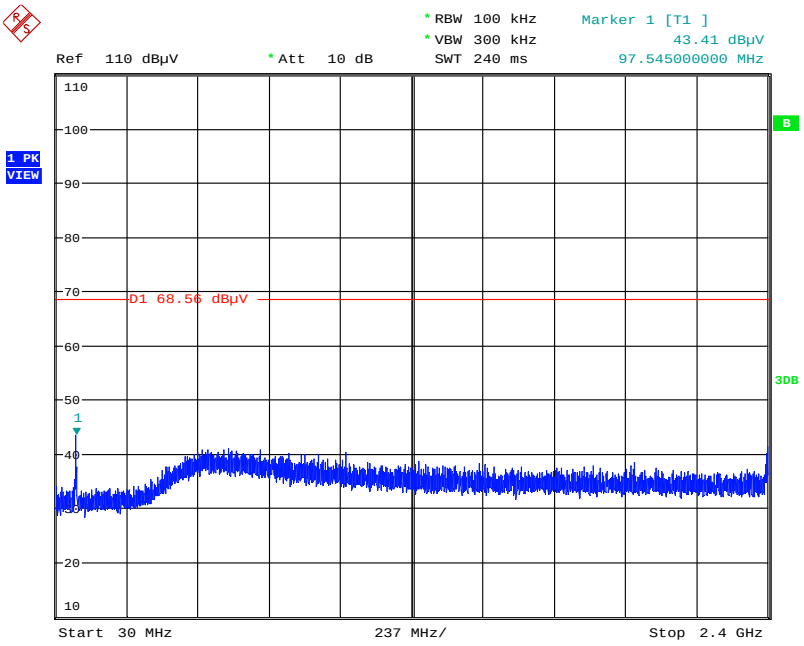


Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 / Reference Level



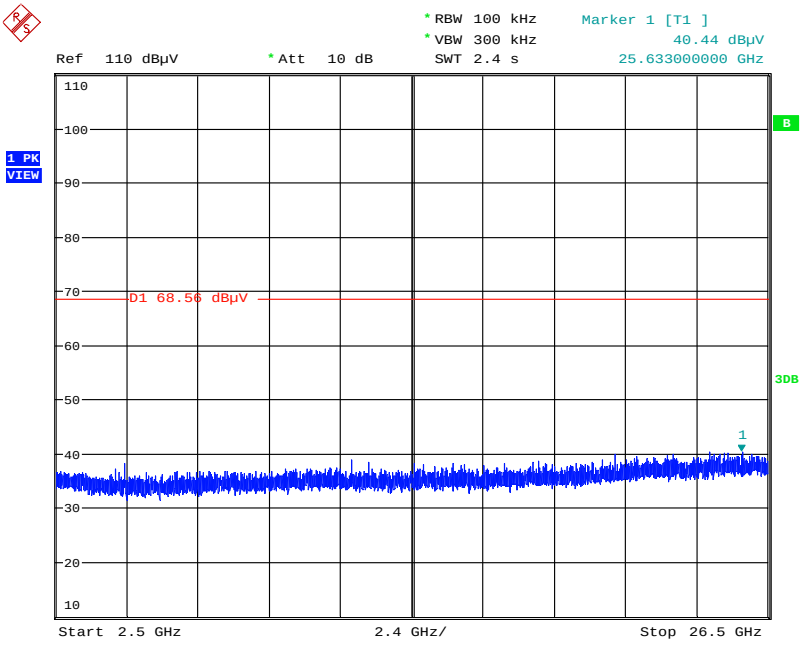
Date: 25.DEC.2014 00:38:53

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 HT20 / CH 1 / 30MHz~2400MHz (down 30dBc)



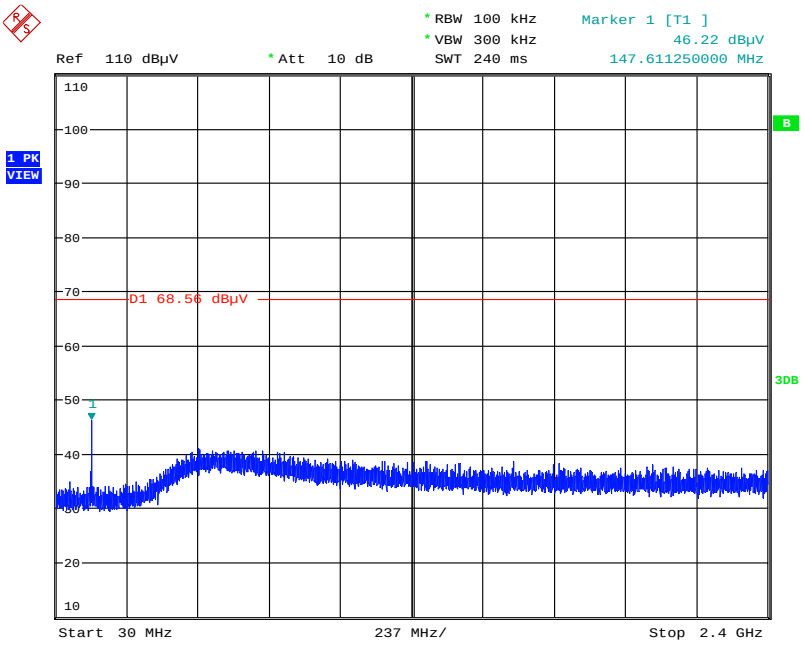
Date: 25.DEC.2014 00:41:42

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 / CH 1 / 2500MHz~26500MHz (down 30dBc)



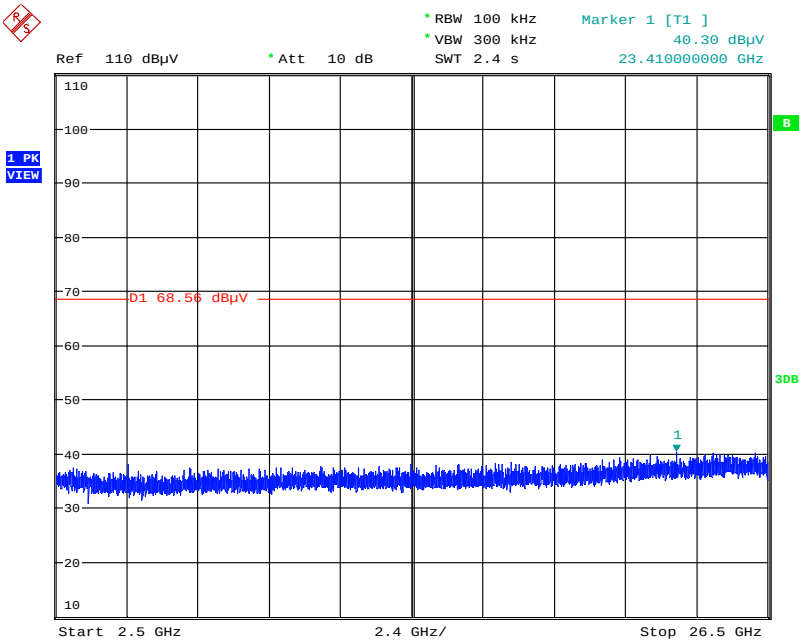
Date: 25.DEC.2014 00:42:17

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 / CH 11 / 30MHz~2400MHz (down 30dBc)



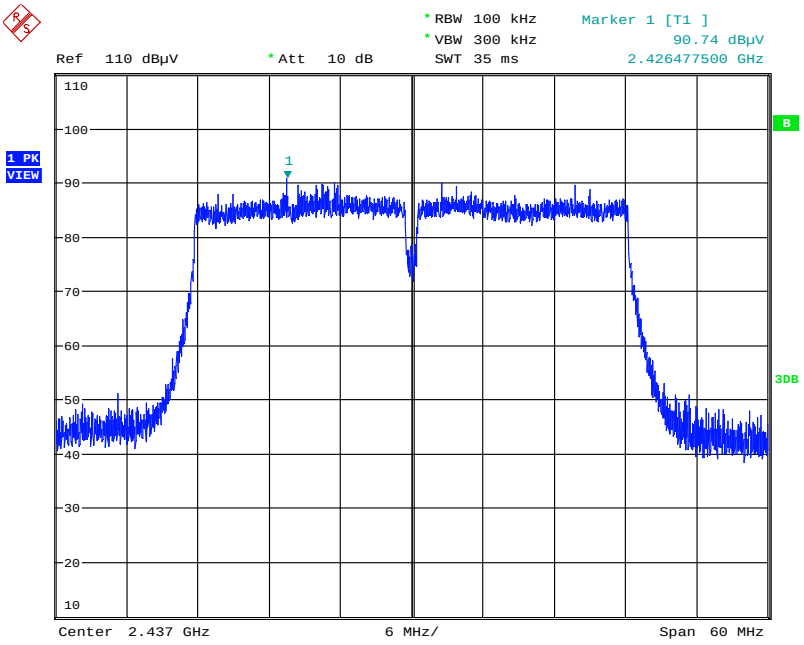
Date: 25.DEC.2014 00:43:19

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



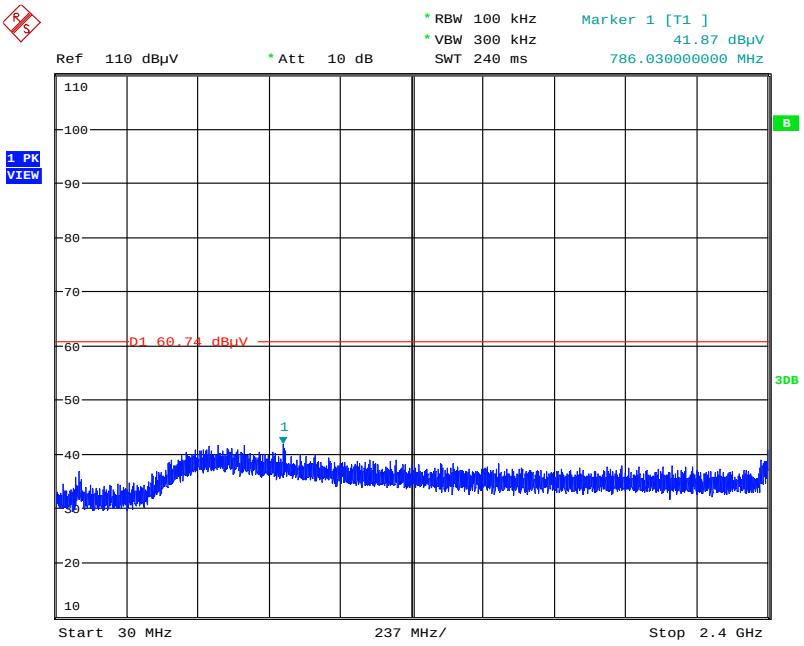
Date: 25.DEC.2014 00:43:52

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / Reference Level



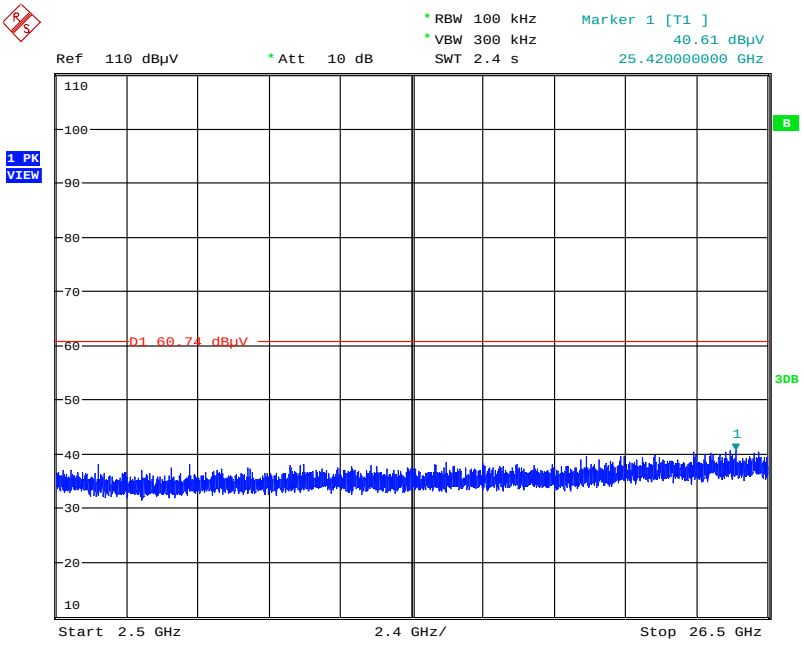
Date: 25.DEC.2014 00:22:00

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / CH 3 / 30MHz~2400MHz (down 30dBc)



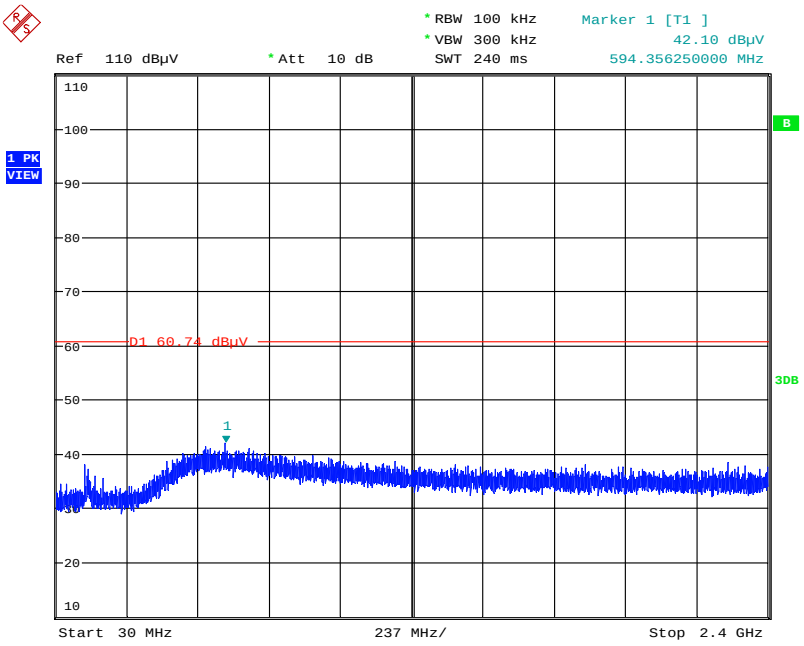
Date: 25.DEC.2014 00:23:17

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / CH 3 / 2500MHz~26500MHz (down 30dBc)



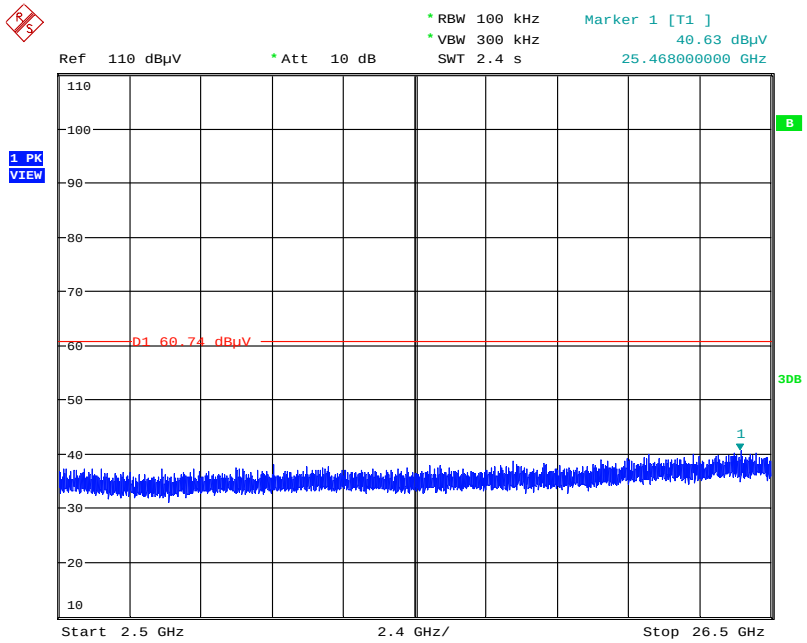
Date: 25.DEC.2014 00:23:47

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / CH 9 / 30MHz~2400MHz (down 30dBc)



Date: 25.DEC.2014 00:24:39

Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / CH 9 / 2500MHz~26500MHz (down 30dBc)



Date: 25.DEC.2014 00:25:17

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. 23, 2014	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 02, 2014	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Dec. 02, 2014	Conduction (CO01-CB)
COND Cable	Woken	Cable	01	150kHz ~ 30MHz	Dec. 04, 2014	Conduction (CO01-CB)
Software	Audix	E3	5.410e	-	N.C.R.	Conduction (CO01-CB)
BILOG ANTENNA	Schaffner	CBL6112D	22021	20MHz ~ 2GHz	May 26, 2014	Radiation (03CH01-CB)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Jul. 28, 2014	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz~18GHz	Oct. 28, 2014	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2014	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8447D	2944A10991	0.1MHz ~ 1.3GHz	Nov. 15, 2014	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Dec. 16, 2013	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz ~ 26.5GHz	Jun. 20, 2014	Radiation (03CH01-CB)
Pre-Amplifier	WM	TF-130N-R1	923365	26GHz ~ 40GHz	Nov. 25, 2014	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100080	9kHz ~ 40GHz	Oct. 15, 2014	Radiation (03CH01-CB)
EMI Test Receiver	R&S	ESR26	101289	9kHz~26GHz	Aug. 22, 2014	Radiation (03CH01-CB)
Turn Table	INN CO	CO 2000	N/A	0 ~ 360 degree	N.C.R.	Radiation (03CH01-CB)
Antenna Mast	INN CO	CO 2000	N/A	1 m - 4 m	N.C.R.	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-1	N/A	30 MHz - 1 GHz	Nov. 15, 2014	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-3	N/A	1 GHz - 40 GHz	Nov. 15, 2014	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-4	N/A	1 GHz - 40 GHz	Nov. 15, 2014	Radiation (03CH01-CB)
Signal analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec.12, 2014	Conducted (TH01-CB)
RF Power Divider	Woken	2 Way	0120A02056002D	2GHz ~ 18GHz	Nov. 15, 2014	Conducted (TH01-CB)
RF Power Divider	Woken	3 Way	MDC2366	2GHz ~ 18GHz	Nov. 15, 2014	Conducted (TH01-CB)
RF Power Divider	Woken	4 Way	0120A04056002D	2GHz ~ 18GHz	Nov. 15, 2014	Conducted (TH01-CB)
RF Cable-high	Woken	High Cable-7	-	1 GHz – 26.5 GHz	Nov. 15, 2014	Conducted (TH01-CB)
RF Cable-high	Woken	High Cable-8	-	1 GHz – 26.5 GHz	Nov. 15, 2014	Conducted (TH01-CB)
RF Cable-high	Woken	High Cable-9	-	1 GHz – 26.5 GHz	Nov. 15, 2014	Conducted (TH01-CB)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
RF Cable-high	Woken	High Cable-10	-	1 GHz – 26.5 GHz	Nov. 15, 2014	Conducted (TH01-CB)
Power Sensor	Anritsu	MA2411B	1126203	300MHz~40GHz	Oct. 06, 2014	Conducted (TH01-CB)
Power Meter	Anritsu	ML2495A	1210004	300MHz~40GHz	Oct. 06, 2014	Conducted (TH01-CB)

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

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

6. MEASUREMENT UNCERTAINTY

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	2.4 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%