Temperature	26°C	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT20 CH 11 / Chain 1 + Chain 2 + Chain 3
Test Date	Sep. 22, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4899.10	30.62	54.00	-23.38	25.77	6.07	33.69	34.91	Average	101	99	HORIZONTAL
2	4920.60	43.15	74.00	-30.85	38.25	6.05	33.76	34.91	Peak	101	99	HORIZONTAL
3	7375.50	47.24	74.00	-26.76	37.30	8.34	36.81	35.21	Peak	101	126	HORIZONTAL
4	7391.60	35.39	54.00	-18.61	25.38	8.37	36.85	35.21	Average	101	126	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4921.90	34.42	54.00	-19.58	29.52	6.05	33.76	34.91	Average	127	27	VERTICAL
2	4922.70	47.87	74.00	-26.13	42.97	6.05	33.76	34.91	Peak	127	27	VERTICAL
3	7389.80	35.39	54.00	-18.61	25.38	8.37	36.85	35.21	Average	109	108	VERTICAL
4	7402.30	47.91	74.00	-26.09	37.86	8.37	36.89	35.21	Peak	109	108	VERTICAL

Temperature	26°C	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT40 CH 3 / Chain 1 + Chain 2 + Chain 3
Test Date	Sep. 22, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4834.90	44.59	74.00	-29.41	39.81	6.11	33.59	34.92	Peak	136	259	HORIZONTAL
2	4864.30	31.58	54.00	-22.42	26.80	6.08	33.62	34.92	Average	136	259	HORIZONTAL
3	7247.30	49.84	74.00	-24.16	40.30	8.24	36.48	35.18	Peak	115	230	HORIZONTAL
4	7269.40	35.60	54.00	-18.40	25.97	8.26	36.56	35.19	Average	115	230	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4831.60	44.96	74.00	-29.04	40.21	6.11	33.56	34.92	Peak	160	196	VERTICAL
2	4864.80	31.37	54.00	-22.63	26.59	6.08	33.62	34.92	Average	160	196	VERTICAL
3	7247.90	50.08	74.00	-23.92	40.50	8.24	36.52	35.18	Peak	105	106	VERTICAL
4	7258.20	35.08	54.00	-18.92	25.50	8.24	36.52	35.18	Average	105	106	VERTICAL

Temperature	26°C	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT40 CH 6 / Chain 1 + Chain 2 + Chain 3
Test Date	Sep. 22, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4850.90	44.06	74.00	-29.94	39.26	6.10	33.62	34.92	Peak	118	37	HORIZONTAL
2	4872.60	31.44	54.00	-22.56	26.62	6.08	33.66	34.92	Average	118	37	HORIZONTAL
3	7315.20	48.56	74.00	-25.44	38.81	8.30	36.64	35.19	Peak	142	23	HORIZONTAL
4	7320.90	35.31	54.00	-18.69	25.51	8.30	36.69	35.19	Average	142	23	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4873.20	31.53	54.00	-22.47	26.71	6.08	33.66	34.92	Average	140	284	VERTICAL
2	4874.10	43.60	74.00	-30.40	38.78	6.08	33.66	34.92	Peak	140	284	VERTICAL
3	7334.20	48.13	74.00	-25.87	38.29	8.30	36.73	35.19	Peak	105	239	VERTICAL
4	7334.70	35.10	54.00	-18.90	25.26	8.30	36.73	35.19	Average	105	239	VERTICAL

Temperature	26°C	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT40 CH 9 / Chain 1 + Chain 2 + Chain 3
Test Date	Sep. 22, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4879.10	31.30	54.00	-22.70	26.48	6.08	33.66	34.92	Average	106	281	HORIZONTAL
2	4919.30	44.42	74.00	-29.58	39.52	6.05	33.76	34.91	Peak	106	281	HORIZONTAL
3	7332.40	35.41	54.00	-18.59	25.61	8.30	36.69	35.19	Average	100	257	HORIZONTAL
4	7363.40	48.16	74.00	-25.84	38.26	8.34	36.77	35.21	Peak	100	257	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4879.30	31.47	54.00	-22.53	26.65	6.08	33.66	34.92	Average	106	310	VERTICAL
2	4904.40	43.89	74.00	-30.11	39.00	6.07	33.73	34.91	Peak	106	310	VERTICAL
3	7374.50	48.03	74.00	-25.97	38.09	8.34	36.81	35.21	Peak	113	216	VERTICAL
4	7377.50	35.55	54.00	-18.45	25.61	8.34	36.81	35.21	Average	113	216	VERTICAL

Temperature	26°C	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11b CH 1 / Chain 1 + Chain 2 + Chain 3
Test Date	Sep. 22, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4823.91	50.95	74.00	-23.05	46.89	5.87	33.39	35.20	Peak	186	285	HORIZONTAL
2	4823.96	45.23	54.00	-8.77	41.17	5.87	33.39	35.20	Average	186	285	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4823.97	52.99	54.00	-1.01	48.93	5.87	33.39	35.20	Average	149	267	VERTICAL
2	4823.99	55.52	74.00	-18.48	51.46	5.87	33.39	35.20	Peak	149	267	VERTICAL

Temperature	26°C	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11b CH 6 / Chain 1 + Chain 2 + Chain 3
Test Date	Sep. 22, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4873.88	52.29	74.00	-21.71	48.09	5.92	33.48	35.20	Peak	144	286	HORIZONTAL
2	4873.94	48.01	54.00	-5.99	43.81	5.92	33.48	35.20	Average	144	286	HORIZONTAL
3	7310.13	50.34	74.00	-23.66	42.13	7.13	36.51	35.43	Peak	100	172	HORIZONTAL
4	7310.36	36.85	54.00	-17.15	28.64	7.13	36.51	35.43	Average	100	172	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4873.90	55.10	74.00	-18.90	50.90	5.92	33.48	35.20	Peak	115	269	VERTICAL
2	4873.96	52.16	54.00	-1.84	47.96	5.92	33.48	35.20	Average	115	269	VERTICAL
3	7310.22	37.34	54.00	-16.66	29.13	7.13	36.51	35.43	Average	113	221	VERTICAL
4	7310.98	50.25	74.00	-23.75	42.04	7.13	36.51	35.43	Peak	100	221	VERTICAL

Temperature	26°C	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11b CH 11 / Chain 1 + Chain 2 + Chain 3
Test Date	Sep. 22, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4923.96	45.83	54.00	-8.17	41.48	5.97	33.58	35.20	Average	106	283	HORIZONTAL
2	4923.98	51.22	74.00	-22.78	46.87	5.97	33.58	35.20	Peak	106	283	HORIZONTAL
3	7385.07	50.58	74.00	-23.42	42.26	7.17	36.61	35.46	Peak	100	358	HORIZONTAL
4	7386.76	36.26	54.00	-17.74	27.94	7.17	36.61	35.46	Average	100	358	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4923.94	52.81	54.00	-1.19	48.46	5.97	33.58	35.20	Average	141	289	VERTICAL
2	4924.00	55.56	74.00	-18.44	51.21	5.97	33.58	35.20	Peak	141	289	VERTICAL
3	7386.34	51.19	74.00	-22.81	42.87	7.17	36.61	35.46	Peak	139	340	VERTICAL
4	7386.88	36.74	54.00	-17.26	28.42	7.17	36.61	35.46	Average	100	340	VERTICAL

For 5GHz Band

Mode 4 (Ant.6 Dipole antenna / 8dBi)

For Beamforming Mode

For 2TX

Temperature	26°C	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT20 CH 149 / Chain 1 + Chain 2
Test Date	Sep. 27, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11490.52	57.03	74.00	-16.97	41.98	10.71	39.39	35.05	Peak	101	266	HORIZONTAL
2	11492.48	45.48	54.00	-8.52	30.43	10.71	39.39	35.05	Average	101	266	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11489.68	65.22	74.00	-8.78	50.17	10.71	39.39	35.05	Peak	147	338	VERTICAL
2	11491.32	49.84	54.00	-4.16	34.79	10.71	39.39	35.05	Average	147	338	VERTICAL

Temperature	26℃	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT20 CH 157 / Chain 1 + Chain 2
Test Date	Sep. 27, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11568.88	47.43	54.00	-6.57	32.30	10.75	39.44	35.06	Average	100	347	HORIZONTAL
2	11573.04	58.90	74.00	-15.10	43.76	10.76	39.44	35.06	Peak	100	347	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11569.16	64.24	74.00	-9.76	49.11	10.75	39.44	35.06	Peak	161	313	VERTICAL
2	11570.16	49.99	54.00	-4.01	34.85	10.76	39.44	35.06	Average	161	313	VERTICAL

Temperature	26℃	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT20 CH 165 / Chain 1 + Chain 2
Test Date	Sep. 27, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11646.20	46.93	54.00	-7.07	31.73	10.79	39.48	35.07	Average	100	351	HORIZONTAL
2	11647.76	59.24	74.00	-14.76	44.03	10.81	39.48	35.08	Peak	100	351	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11645.60	61.00	74.00	-13.00	45.80	10.79	39.48	35.07	Peak	100	0	VERTICAL
2	11647.28	48.83	54.00	-5.17	33.62	10.81	39.48	35.08	Average	100	0	VERTICAL

Temperature	26℃	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT40 CH 151 / Chain 1 + Chain 2
Test Date	Sep. 27, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11510.41	43.86	54.00	-10.14	28.79	10.72	39.40	35.05	Average	100	141	HORIZONTAL
2	11510.75	57.73	74.00	-16.27	42.66	10.72	39.40	35.05	Peak	100	141	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11509.10	44.16	54.00	-9.84	29.09	10.72	39.40	35.05	Average	100	50	VERTICAL
2	11509.19	57.17	74.00	-16.83	42.10	10.72	39.40	35.05	Peak	100	50	VERTICAL

Temperature	26℃	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT40 CH 159 / Chain 1 + Chain 2
Test Date	Sep. 27, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11590.20	45.59	54.00	-8.41	30.44	10.76	39.45	35.06	Average	100	226	HORIZONTAL
2	11590.70	59.02	74.00	-14.98	43.87	10.76	39.45	35.06	Peak	100	226	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11589.67	59.03	74.00	-14.97	43.88	10.76	39.45	35.06	Peak	100	68	VERTICAL
2	11590.15	45.69	54.00	-8.31	30.54	10.76	39.45	35.06	Average	100	68	VERTICAL

For 3TX

Temperature	26℃	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT20 CH 149 / Chain 1 + Chain 2 + Chain 3
Test Date	Sep. 27, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11492.04	46.72	54.00	-7.28	31.67	10.71	39.39	35.05	Average	100	16	HORIZONTAL
2	11494.84	58.46	74.00	-15.54	43.40	10.72	39.39	35.05	Peak	100	16	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11489.84	65.08	74.00	-8.92	50.03	10.71	39.39	35.05	Peak	149	316	VERTICAL
2	11490.90	51.61	54.00	-2.39	36.56	10.71	39.39	35.05	Average	149	316	VERTICAL

Temperature	26℃	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT20 CH 157 / Chain 1 + Chain 2 + Chain 3
Test Date	Sep. 27, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11565.92	58.88	74.00	-15.12	43.75	10.75	39.44	35.06	Peak	100	123	HORIZONTAL
2	11573.86	46.04	54.00	-7.96	30.90	10.76	39.44	35.06	Average	100	123	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11569.24	66.44	74.00	-7.56	51.31	10.75	39.44	35.06	Peak	138	319	VERTICAL
2	11570.38	51.88	54.00	-2.12	36.74	10.76	39.44	35.06	Average	138	319	VERTICAL

Temperature	26℃	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT20 CH 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Sep. 27, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11645.26	47.70	54.00	-6.30	32.50	10.79	39.48	35.07	Average	100	178	HORIZONTAL
2	11651.54	60.34	74.00	-13.66	45.12	10.81	39.49	35.08	Peak	100	178	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11646.60	63.59	74.00	-10.41	48.38	10.81	39.48	35.08	Peak	132	317	VERTICAL
2	11646.76	51.63	54.00	-2.37	36.42	10.81	39.48	35.08	Average	132	317	VERTICAL

Temperature	26℃	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT40 CH 151 / Chain 1 + Chain 2 + Chain 3
Test Date	Sep. 27, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11506.30	45.13	54.00	-8.87	30.06	10.72	39.40	35.05	Average	100	114	HORIZONTAL
2	11513.16	57.50	74.00	-16.50	42.43	10.72	39.40	35.05	Peak	100	114	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11510.40	58.87	74.00	-15.13	43.80	10.72	39.40	35.05	Peak	147	328	VERTICAL
2	11510.96	49.27	54.00	-4.73	34.20	10.72	39.40	35.05	Average	147	328	VERTICAL

Temperature	26℃	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT40 CH 159 / Chain 1 + Chain 2 + Chain 3
Test Date	Sep. 27, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11587.32	45.90	54.00	-8.10	30.75	10.76	39.45	35.06	Average	100	226	HORIZONTAL
2	11594.88	58.57	74.00	-15.43	43.42	10.76	39.45	35.06	Peak	100	226	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11587.40	48.94	54.00	-5.06	33.79	10.76	39.45	35.06	Average	101	310	VERTICAL
2	11591.76	58.54	74.00	-15.46	43.39	10.76	39.45	35.06	Peak	101	310	VERTICAL

Mode 5 (Ant.16 Panel antenna / 3.5dBi)

For Beamforming Mode

For 2TX

Temperature	26℃	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT20 CH 149 / Chain 1 + Chain 2
Test Date	Oct. 01, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11486.92	59.97	74.00	-14.03	44.92	10.71	39.39	35.05	222	114	Peak	HORIZONTAL
2	11490.67	47.24	54.00	-6.76	32.19	10.71	39.39	35.05	295	114	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11492.37	50.18	54.00	-3.82	35.13	10.71	39.39	35.05	89	110	Average	VERTICAL
2	11492.37	63.42	74.00	-10.58	48.37	10.71	39.39	35.05	89	110	Peak	VERTICAL

Temperature	26℃	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT20 CH 157 / Chain 1 + Chain 2
Test Date	Oct. 01, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11560.13	59.99	74.00	-14.01	44.87	10.75	39.43	35.06	182	117	Peak	HORIZONTAL
2	11569.49	47.15	54.00	-6.85	32.02	10.75	39.44	35.06	182	117	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11568.46	52.37	54.00	-1.63	37.24	10.75	39.44	35.06	244	189	Average	VERTICAL
2	11569.49	63.75	74.00	-10.25	48.62	10.75	39.44	35.06	244	189	Peak	VERTICAL

Temperature	26℃	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT20 CH 165 / Chain 1 + Chain 2
Test Date	Oct. 01, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11648.11	59.22	74.00	-14.78	44.01	10.81	39.48	35.08	221	152	Peak	HORIZONTAL
2	11658.01	46.73	54.00	-7.27	31.51	10.81	39.49	35.08	221	152	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11644.49	51.62	54.00	-2.38	36.42	10.79	39.48	35.07	98	145	Average	VERTICAL
2	11648.33	60.94	74.00	-13.06	45.73	10.81	39.48	35.08	98	145	Peak	VERTICAL

Temperature	26℃	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT40 CH 151 / Chain 1 + Chain 2
Test Date	Oct. 01, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11501.28	59.58	74.00	-14.42	44.51	10.72	39.40	35.05	246	129	Peak	HORIZONTAL
2	11514.26	46.59	54.00	-7.41	31.52	10.72	39.40	35.05	246	129	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11510.00	63.68	74.00	-10.32	48.61	10.72	39.40	35.05	50	118	Peak	VERTICAL
2	11510.06	50.02	54.00	-3.98	34.95	10.72	39.40	35.05	50	118	Average	VERTICAL

Temperature	26℃	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT40 CH 159 / Chain 1 + Chain 2
Test Date	Oct. 01, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11582.53	59.82	74.00	-14.18	44.67	10.76	39.45	35.06	215	100	Peak	HORIZONTAL
2	11585.93	46.67	54.00	-7.33	31.52	10.76	39.45	35.06	215	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11586.38	51.10	54.00	-2.90	35.95	10.76	39.45	35.06	68	116	Average	VERTICAL
2	11590.35	61.97	74.00	-12.03	46.82	10.76	39.45	35.06	68	116	Peak	VERTICAL

For 3TX

Temperature	26℃	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT20 CH 149 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 01, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11482.47	48.04	54.00	-5.96	32.99	10.71	39.39	35.05	247	100	Average	HORIZONTAL
2	11490.03	60.77	74.00	-13.23	45.72	10.71	39.39	35.05	247	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11490.67	50.31	54.00	-3.69	35.26	10.71	39.39	35.05	107	101	Average	VERTICAL
2	11492.24	62.95	74.00	-11.05	47.90	10.71	39.39	35.05	107	101	Peak	VERTICAL

Temperature	26℃	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT20 CH 157 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 01, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11569.55	61.06	74.00	-12.94	45.93	10.75	39.44	35.06	309	114	Peak	HORIZONTAL
2	11573.21	48.04	54.00	-5.96	32.90	10.76	39.44	35.06	309	114	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11567.21	62.59	74.00	-11.41	47.46	10.75	39.44	35.06	126	100	Peak	VERTICAL
2	11569.78	49.66	54.00	-4.34	34.52	10.76	39.44	35.06	126	100	Average	VERTICAL

Temperature	26℃	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT20 CH 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 01, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11651.15	48.08	54.00	-5.92	32.86	10.81	39.49	35.08	283	125	Average	HORIZONTAL
2	11652.95	61.56	74.00	-12.44	46.34	10.81	39.49	35.08	283	125	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11647.24	49.77	54.00	-4.23	34.56	10.81	39.48	35.08	58	100	Average	VERTICAL
2	11648.08	62.44	74.00	-11.56	47.23	10.81	39.48	35.08	58	100	Peak	VERTICAL

Temperature	26℃	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT40 CH 151 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 01, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11505.45	60.59	74.00	-13.41	45.52	10.72	39.40	35.05	0	118	Peak	HORIZONTAL
2	11508.21	47.93	54.00	-6.07	32.86	10.72	39.40	35.05	0	118	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11508.17	49.39	54.00	-4.61	34.32	10.72	39.40	35.05	250	100	Average	VERTICAL
2	11510.71	61.56	74.00	-12.44	46.49	10.72	39.40	35.05	250	100	Peak	VERTICAL

Temperature	26℃	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT40 CH 159 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 01, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11580.32	47.98	54.00	-6.02	32.84	10.76	39.44	35.06	259	120	Average	HORIZONTAL
2	11585.93	60.93	74.00	-13.07	45.78	10.76	39.45	35.06	259	120	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11586.63	63.10	74.00	-10.90	47.95	10.76	39.45	35.06	125	100	Peak	VERTICAL
2	11588.85	49.67	54.00	-4.33	34.52	10.76	39.45	35.06	125	100	Average	VERTICAL

Mode 6 (Ant.32 3-Port Dual-Band Directional Panel antenna / Chain 1: 6.7, Chain 2: 4.3, Chain 3: 6.6dBi)

For Beamforming Mode

For 3TX

Temperature	26°C	**Humidity**	68%
Test Engineer	Mars Lin	**Configurations**	IEEE 802.11n MCS0 HT20 CH 149 / Chain 1 + Chain 2 + Chain 3
Test Date	Sep. 25, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11488.59	47.81	54.00	-6.19	32.76	10.71	39.39	35.05	Average	105	113	HORIZONTAL
2	11488.69	60.72	74.00	-13.28	45.67	10.71	39.39	35.05	Peak	105	113	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11489.23	64.34	74.00	-9.66	49.29	10.71	39.39	35.05	Peak	131	133	VERTICAL
2	11490.38	50.31	54.00	-3.69	35.26	10.71	39.39	35.05	Average	131	133	VERTICAL

Temperature	26℃	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT20 CH 157 / Chain 1 + Chain 2 + Chain 3
Test Date	Sep. 25, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11568.80	48.28	54.00	-5.72	33.15	10.75	39.44	35.06	Average	113	257	HORIZONTAL
2	11568.96	60.15	74.00	-13.85	45.02	10.75	39.44	35.06	Peak	113	257	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11567.92	50.49	54.00	-3.51	35.36	10.75	39.44	35.06	Average	191	125	VERTICAL
2	11569.28	63.39	74.00	-10.61	48.26	10.75	39.44	35.06	Peak	191	125	VERTICAL

Temperature	26℃	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT20 CH 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Sep. 25, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11645.38	60.17	74.00	-13.83	44.97	10.79	39.48	35.07	Peak	112	114	HORIZONTAL
2	11645.48	47.53	54.00	-6.47	32.33	10.79	39.48	35.07	Average	112	114	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11645.45	59.60	74.00	-14.40	44.40	10.79	39.48	35.07	Peak	101	227	VERTICAL
2	11645.48	45.97	54.00	-8.03	30.77	10.79	39.48	35.07	Average	101	227	VERTICAL

Temperature	26℃	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT40 CH 151 / Chain 1 + Chain 2 + Chain 3
Test Date	Sep. 25, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11510.99	46.40	54.00	-7.60	31.33	10.72	39.40	35.05	Average	136	263	HORIZONTAL
2	11511.92	59.89	74.00	-14.11	44.82	10.72	39.40	35.05	Peak	136	263	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11508.69	63.14	74.00	-10.86	48.07	10.72	39.40	35.05	Peak	178	125	VERTICAL
2	11510.35	49.25	54.00	-4.75	34.18	10.72	39.40	35.05	Average	178	125	VERTICAL

Temperature	26℃	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT40 CH 159 / Chain 1 + Chain 2 + Chain 3
Test Date	Sep. 25, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11590.38	45.86	54.00	-8.14	30.71	10.76	39.45	35.06	Average	100	246	HORIZONTAL
2	11590.54	58.22	74.00	-15.78	43.07	10.76	39.45	35.06	Peak	100	246	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11588.59	48.83	54.00	-5.17	33.68	10.76	39.45	35.06	Average	187	124	VERTICAL
2	11588.69	62.20	74.00	-11.80	47.05	10.76	39.45	35.06	Peak	187	124	VERTICAL

For Non-Beamforming Mode

For 1TX

Temperature	26°C	**Humidity**	68%
Test Engineer	Mars Lin	**Configurations**	IEEE 802.11n MCS0 HT20 CH 149 / Chain 1
Test Date	Sep. 25, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11495.93	56.48	74.00	-17.52	41.42	10.72	39.39	35.05	Peak	122	114	HORIZONTAL
2	11497.08	43.63	54.00	-10.37	28.57	10.72	39.39	35.05	Average	122	114	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11480.19	56.50	74.00	-17.50	41.47	10.71	39.37	35.05	Peak	152	272	VERTICAL
2	11496.15	43.57	54.00	-10.43	28.51	10.72	39.39	35.05	Average	152	272	VERTICAL

Temperature	26℃	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT20 CH 157 / Chain 1
Test Date	Sep. 25, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11565.38	43.37	54.00	-10.63	28.25	10.75	39.43	35.06	Average	138	102	HORIZONTAL
2	11566.25	55.96	74.00	-18.04	40.83	10.75	39.44	35.06	Peak	138	102	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11561.60	43.44	54.00	-10.56	28.32	10.75	39.43	35.06	Average	119	288	VERTICAL
2	11579.81	55.99	74.00	-18.01	40.85	10.76	39.44	35.06	Peak	119	288	VERTICAL

Temperature	26℃	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT20 CH 165 / Chain 1
Test Date	Sep. 25, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11643.21	56.71	74.00	-17.29	41.51	10.79	39.48	35.07	Peak	135	88	HORIZONTAL
2	11646.09	43.51	54.00	-10.49	28.31	10.79	39.48	35.07	Average	135	88	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11644.46	43.46	54.00	-10.54	28.26	10.79	39.48	35.07	Average	157	300	VERTICAL
2	11648.85	56.52	74.00	-17.48	41.31	10.81	39.48	35.08	Peak	157	300	VERTICAL

Temperature	26℃	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT40 CH 151 / Chain 1
Test Date	Sep. 25, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11501.35	43.60	54.00	-10.40	28.53	10.72	39.40	35.05	Average	116	207	HORIZONTAL
2	11505.61	56.44	74.00	-17.56	41.37	10.72	39.40	35.05	Peak	116	207	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11510.61	43.61	54.00	-10.39	28.54	10.72	39.40	35.05	Average	145	58	VERTICAL
2	11517.76	56.27	74.00	-17.73	41.19	10.72	39.41	35.05	Peak	145	58	VERTICAL

Temperature	26℃	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT40 CH 159 / Chain 1
Test Date	Sep. 25, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11581.44	43.28	54.00	-10.72	28.14	10.76	39.44	35.06	Average	130	186	HORIZONTAL
2	11594.33	56.15	74.00	-17.85	41.00	10.76	39.45	35.06	Peak	130	186	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11580.22	43.27	54.00	-10.73	28.13	10.76	39.44	35.06	Average	196	220	VERTICAL
2	11580.38	56.08	74.00	-17.92	40.94	10.76	39.44	35.06	Peak	196	220	VERTICAL

For 2TX

Temperature	26℃	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT20 CH 149 / Chain 1 + Chain 2
Test Date	Sep. 25, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11488.33	57.02	74.00	-16.98	41.97	10.71	39.39	35.05	Peak	111	114	HORIZONTAL
2	11489.04	44.69	54.00	-9.31	29.64	10.71	39.39	35.05	Average	111	114	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11489.01	58.59	74.00	-15.41	43.54	10.71	39.39	35.05	Peak	124	134	VERTICAL
2	11493.17	45.11	54.00	-8.89	30.06	10.71	39.39	35.05	Average	124	134	VERTICAL

Temperature	26℃	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT20 CH 157 / Chain 1 + Chain 2
Test Date	Sep. 25, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11568.21	43.89	54.00	-10.11	28.76	10.75	39.44	35.06	Average	101	113	HORIZONTAL
2	11575.38	56.75	74.00	-17.25	41.61	10.76	39.44	35.06	Peak	101	113	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11568.72	45.68	54.00	-8.32	30.55	10.75	39.44	35.06	Average	163	125	VERTICAL
2	11569.90	59.05	74.00	-14.95	43.91	10.76	39.44	35.06	Peak	163	125	VERTICAL

Temperature	26°C	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT20 CH 165 / Chain 1 + Chain 2
Test Date	Sep. 25, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11646.44	57.06	74.00	-16.94	41.85	10.81	39.48	35.08	Peak	158	155	HORIZONTAL
2	11653.49	44.27	54.00	-9.73	29.05	10.81	39.49	35.08	Average	158	155	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11647.56	45.10	54.00	-8.90	29.89	10.81	39.48	35.08	Average	140	128	VERTICAL
2	11652.85	57.65	74.00	-16.35	42.43	10.81	39.49	35.08	Peak	140	128	VERTICAL

Temperature	26℃	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT40 CH 151 / Chain 1 + Chain 2
Test Date	Sep. 25, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11502.79	56.83	74.00	-17.17	41.76	10.72	39.40	35.05	Peak	136	267	HORIZONTAL
2	11507.56	43.39	54.00	-10.61	28.32	10.72	39.40	35.05	Average	136	267	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11508.37	56.81	74.00	-17.19	41.74	10.72	39.40	35.05	Peak	132	291	VERTICAL
2	11510.93	43.65	54.00	-10.35	28.58	10.72	39.40	35.05	Average	132	291	VERTICAL

Temperature	26℃	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT40 CH 159 / Chain 1 + Chain 2
Test Date	Sep. 25, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11565.38	43.28	54.00	-10.72	28.16	10.75	39.43	35.06	Average	130	68	HORIZONTAL
2	11576.92	56.69	74.00	-17.31	41.55	10.76	39.44	35.06	Peak	130	68	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11571.22	43.57	54.00	-10.43	28.43	10.76	39.44	35.06	Average	170	113	VERTICAL
2	11574.90	56.35	74.00	-17.65	41.21	10.76	39.44	35.06	Peak	170	113	VERTICAL

For 3TX

Temperature	26℃	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT20 CH 149 / Chain 1 + Chain 2 + Chain 3
Test Date	Sep. 25, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11568.24	46.56	54.00	-7.44	31.43	10.75	39.44	35.06	Average	113	257	HORIZONTAL
2	11568.32	59.89	74.00	-14.11	44.76	10.75	39.44	35.06	Peak	113	257	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11490.26	48.71	54.00	-5.29	33.66	10.71	39.39	35.05	Average	131	133	VERTICAL
2	11491.73	62.78	74.00	-11.22	47.73	10.71	39.39	35.05	Peak	131	133	VERTICAL

Temperature	26℃	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT20 CH 157 / Chain 1 + Chain 2 + Chain 3
Test Date	Sep. 25, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11568.24	46.56	54.00	-7.44	31.43	10.75	39.44	35.06	Average	113	257	HORIZONTAL
2	11568.32	59.89	74.00	-14.11	44.76	10.75	39.44	35.06	Peak	113	257	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11567.68	59.33	74.00	-14.67	44.20	10.75	39.44	35.06	Peak	191	125	VERTICAL
2	11569.92	48.73	54.00	-5.27	33.59	10.76	39.44	35.06	Average	191	125	VERTICAL

Temperature	26℃	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT20 CH 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Sep. 25, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11644.74	59.50	74.00	-14.50	44.30	10.79	39.48	35.07	Peak	112	114	HORIZONTAL
2	11645.32	45.44	54.00	-8.56	30.24	10.79	39.48	35.07	Average	112	114	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11644.55	58.37	74.00	-15.63	43.17	10.79	39.48	35.07	Peak	101	227	VERTICAL
2	11646.28	44.91	54.00	-9.09	29.70	10.81	39.48	35.08	Average	101	227	VERTICAL

Temperature	26℃	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT40 CH 151 / Chain 1 + Chain 2 + Chain 3
Test Date	Sep. 25, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11502.60	57.68	74.00	-16.32	42.61	10.72	39.40	35.05	Peak	136	263	HORIZONTAL
2	11512.85	44.42	54.00	-9.58	29.35	10.72	39.40	35.05	Average	136	263	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11509.17	47.67	54.00	-6.33	32.60	10.72	39.40	35.05	Average	178	125	VERTICAL
2	11510.38	61.50	74.00	-12.50	46.43	10.72	39.40	35.05	Peak	178	125	VERTICAL

Temperature	26℃	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT40 CH 159 / Chain 1 + Chain 2 + Chain 3
Test Date	Sep. 25, 2014		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11588.97	44.74	54.00	-9.26	29.59	10.76	39.45	35.06	Average	100	246	HORIZONTAL
2	11591.03	56.84	74.00	-17.16	41.69	10.76	39.45	35.06	Peak	100	246	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11587.85	46.97	54.00	-7.03	31.82	10.76	39.45	35.06	Average	187	124	VERTICAL
2	11588.30	60.39	74.00	-13.61	45.24	10.76	39.45	35.06	Peak	187	124	VERTICAL

Note:

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

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

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

4.5. Emissions Measurement

4.5.1. 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

4.5.2. 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

4.5.3. Test Procedures

For Radiated band edges Measurement:

1. The test procedure is the same as section 4.4.3, 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
2. The radiated emission test is performed on each TX port of operating mode without summing or adding 10log (N) since the limit is relative emission limit.
   Only worst data of each operating mode is presented.

4.5.4. Test Setup Layout

For Radiated band edges Measurement:

This test setup layout is the same as that shown in section 4.4.4.

For Radiated Out of Band Emission Measurement:

This test setup layout is the same as that shown in section 4.4.4.

4.5.5. Test Deviation

There is no deviation with the original standard.

4.5.6. 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 continuously transmitting mode.

The measured result was added array gain 10*log(2)=3.01dBi as worse case in beamforming mode.

The measured result was added array gain 10*log(3)=4.77dBi as worse case in beamforming mode.

4.5.7. Test Result of Band Edge and Fundamental Emissions

For 2.4GHz Band

Mode 1 (Ant.1 Dipole antenna / 9dBi)

For Beamforming Mode

For 2TX

Temperature	26°C	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2
Test date	Sep. 26, 2014		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2390.00	51.47	54.00	-2.53	53.58	4.41	28.49	35.01	Average	100	44	VERTICAL
2	2390.00	63.92	74.00	-10.08	66.03	4.41	28.49	35.01	Peak	100	44	VERTICAL
3	2407.20	104.34			106.41	4.41	28.53	35.01	Average	100	44	VERTICAL
4	2407.20	114.11			116.18	4.41	28.53	35.01	Peak	100	44	VERTICAL
5	2491.90	63.51	74.00	-10.49	65.29	4.55	28.70	35.03	Peak	100	44	VERTICAL
6	2498.50	52.88	54.00	-1.12	54.66	4.55	28.70	35.03	Average	100	44	VERTICAL

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2389.20	59.86	74.00	-14.14	62.00	4.37	28.49	35.00	Peak	101	8	VERTICAL
2	2390.00	47.75	54.00	-6.25	49.86	4.41	28.49	35.01	Average	101	8	VERTICAL
3	2442.60	120.30			122.24	4.48	28.60	35.02	Peak	101	8	VERTICAL
4	2443.80	110.53			112.47	4.48	28.60	35.02	Average	101	8	VERTICAL
5	2498.70	52.85	54.00	-1.15	54.63	4.55	28.70	35.03	Average	101	8	VERTICAL
6	2498.70	65.01	74.00	-8.99	66.79	4.55	28.70	35.03	Peak	101	8	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	2460.00	105.42			107.33	4.48	28.63	35.02	Average	100	52	VERTICAL
2	2464.00	115.14			117.05	4.48	28.63	35.02	Peak	100	52	VERTICAL
3	2483.50	52.80	54.00	-1.20	54.64	4.51	28.67	35.02	Average	100	52	VERTICAL
4	2485.50	64.21	74.00	-9.79	66.05	4.51	28.67	35.02	Peak	100	52	VERTICAL

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

Temperature	26°C	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2
Test date	Sep. 26, 2014		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2390.00	52.71	54.00	-1.29	54.82	4.41	28.49	35.01	Average	100	316	VERTICAL
2	2390.00	69.14	74.00	-4.86	71.25	4.41	28.49	35.01	Peak	100	316	VERTICAL
3	2437.60	112.02			113.99	4.44	28.60	35.01	Peak	100	316	VERTICAL
4	2439.40	101.34			103.31	4.44	28.60	35.01	Average	100	316	VERTICAL
5	2493.10	51.46	54.00	-2.54	53.24	4.55	28.70	35.03	Average	100	316	VERTICAL
6	2494.90	62.52	74.00	-11.48	64.30	4.55	28.70	35.03	Peak	100	316	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	2386.40	48.69	54.00	-5.31	50.83	4.37	28.49	35.00	Average	101	45	VERTICAL
2	2388.40	60.84	74.00	-13.16	62.98	4.37	28.49	35.00	Peak	101	45	VERTICAL
3	2441.00	103.36			105.30	4.48	28.60	35.02	Average	101	45	VERTICAL
4	2453.00	115.56			117.50	4.48	28.60	35.02	Peak	101	45	VERTICAL
5	2483.50	52.85	54.00	-1.15	54.69	4.51	28.67	35.02	Average	101	45	VERTICAL
6	2488.70	65.40	74.00	-8.60	67.21	4.51	28.70	35.02	Peak	101	45	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	2386.40	58.08	74.00	-15.92	60.22	4.37	28.49	35.00	Peak	100	310	VERTICAL
2	2390.00	46.62	54.00	-7.38	48.73	4.41	28.49	35.01	Average	100	310	VERTICAL
3	2462.80	108.16			110.07	4.48	28.63	35.02	Peak	100	310	VERTICAL
4	2464.40	98.18			100.09	4.48	28.63	35.02	Average	100	310	VERTICAL
5	2483.50	52.73	54.00	-1.27	54.57	4.51	28.67	35.02	Average	100	310	VERTICAL
6	2483.90	69.39	74.00	-4.61	71.23	4.51	28.67	35.02	Peak	100	310	VERTICAL

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

For 3TX

Temperature	26°C	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3
Test date	Sep. 26, 2014		

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	60.49	74.00	-13.51	62.63	4.37	28.49	35.00	Peak	100	3	VERTICAL
2	2390.00	49.26	54.00	-4.74	51.37	4.41	28.49	35.01	Average	100	3	VERTICAL
3	2418.00	100.94			102.98	4.44	28.53	35.01	Average	100	3	VERTICAL
4	2418.00	111.49			113.53	4.44	28.53	35.01	Peak	100	3	VERTICAL
5	2496.70	52.72	54.00	-1.28	54.50	4.55	28.70	35.03	Average	100	3	VERTICAL
6	2499.10	63.52	74.00	-10.48	65.30	4.55	28.70	35.03	Peak	100	3	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	50.62	54.00	-3.38	52.73	4.41	28.49	35.01	Average	101	53	VERTICAL
2	2390.00	61.26	74.00	-12.74	63.37	4.41	28.49	35.01	Peak	101	53	VERTICAL
3	2440.00	105.09			107.06	4.44	28.60	35.01	Average	101	53	VERTICAL
4	2440.60	114.01			115.98	4.44	28.60	35.01	Peak	101	53	VERTICAL
5	2484.10	64.56	74.00	-9.44	66.40	4.51	28.67	35.02	Peak	101	53	VERTICAL
6	2484.70	52.69	54.00	-1.31	54.53	4.51	28.67	35.02	Average	101	53	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	2390.00	50.82	54.00	-3.18	52.93	4.41	28.49	35.01	Average	101	53	VERTICAL
2	2390.00	62.14	74.00	-11.86	64.25	4.41	28.49	35.01	Peak	101	53	VERTICAL
3	2459.00	107.69			109.60	4.48	28.63	35.02	Average	101	53	VERTICAL
4	2460.20	116.73			118.64	4.48	28.63	35.02	Peak	101	53	VERTICAL
5	2483.50	52.94	54.00	-1.06	54.78	4.51	28.67	35.02	Average	101	53	VERTICAL
6	2484.70	64.76	74.00	-9.24	66.60	4.51	28.67	35.02	Peak	101	53	VERTICAL

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

Temperature	26°C	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3
Test date	Sep. 26, 2014		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2390.00	52.87	54.00	-1.13	54.98	4.41	28.49	35.01	Average	101	305	VERTICAL
2	2390.00	70.56	74.00	-3.44	72.67	4.41	28.49	35.01	Peak	101	305	VERTICAL
3	2407.00	108.64			110.71	4.41	28.53	35.01	Peak	101	305	VERTICAL
4	2408.20	99.19			101.26	4.41	28.53	35.01	Average	101	305	VERTICAL
5	2489.50	50.94	54.00	-3.06	52.75	4.51	28.70	35.02	Average	101	305	VERTICAL
6	2495.50	63.38	74.00	-10.62	65.16	4.55	28.70	35.03	Peak	101	305	VERTICAL

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2389.20	62.24	74.00	-11.76	64.38	4.37	28.49	35.00	Peak	100	309	VERTICAL
2	2391.00	51.27	54.00	-2.73	53.38	4.41	28.49	35.01	Average	100	309	VERTICAL
3	2441.40	103.80			105.74	4.48	28.60	35.02	Average	100	309	VERTICAL
4	2449.80	113.68			115.62	4.48	28.60	35.02	Peak	100	309	VERTICAL
5	2483.50	52.86	54.00	-1.14	54.70	4.51	28.67	35.02	Average	100	309	VERTICAL
6	2495.10	64.95	74.00	-9.05	66.73	4.55	28.70	35.03	Peak	100	309	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	2459.20	110.42			112.33	4.48	28.63	35.02	Peak	100	54	VERTICAL
2	2460.40	100.38			102.29	4.48	28.63	35.02	Average	100	54	VERTICAL
3	2483.50	53.00	54.00	-1.00	54.84	4.51	28.67	35.02	Average	100	54	VERTICAL
4	2485.10	69.80	74.00	-4.20	71.64	4.51	28.67	35.02	Peak	100	54	VERTICAL

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

Note:

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

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

Mode 2 (Ant.3 Panel antenna / 14dBi)

For Beamforming Mode

For 2TX

Temperature	26°C	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2
Test date	Oct. 03, 2014		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2388.80	68.31	74.00	-5.69	70.45	4.37	28.49	35.00	12	101	Peak	VERTICAL
2	2390.00	52.70	54.00	-1.30	54.81	4.41	28.49	35.01	12	101	Average	VERTICAL
3	2409.60	116.26			118.33	4.41	28.53	35.01	12	101	Peak	VERTICAL
4	2410.20	103.95			106.02	4.41	28.53	35.01	12	101	Average	VERTICAL
5	2497.30	65.76	74.00	-8.24	67.54	4.55	28.70	35.03	12	101	Peak	VERTICAL
6	2499.10	52.68	54.00	-1.32	54.46	4.55	28.70	35.03	12	101	Average	VERTICAL

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2390.00	47.43	54.00	-6.57	49.54	4.41	28.49	35.01	354	147	Average	VERTICAL
2	2390.00	59.58	74.00	-14.42	61.69	4.41	28.49	35.01	354	147	Peak	VERTICAL
3	2443.60	107.86			109.80	4.48	28.60	35.02	354	147	Average	VERTICAL
4	2443.60	118.71			120.65	4.48	28.60	35.02	354	147	Peak	VERTICAL
5	2483.50	52.83	54.00	-1.17	54.67	4.51	28.67	35.02	354	147	Average	VERTICAL
6	2484.70	66.01	74.00	-7.99	67.85	4.51	28.67	35.02	354	147	Peak	VERTICAL

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

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2381.00	59.57	74.00	-14.43	61.74	4.37	28.46	35.00	8	100	Peak	VERTICAL
2	2381.60	47.43	54.00	-6.57	49.60	4.37	28.46	35.00	8	100	Average	VERTICAL
3	2455.40	105.51			107.42	4.48	28.63	35.02	8	100	Average	VERTICAL
4	2457.20	118.33			120.24	4.48	28.63	35.02	8	100	Peak	VERTICAL
5	2483.50	52.77	54.00	-1.23	54.61	4.51	28.67	35.02	8	100	Average	VERTICAL
6	2484.70	69.76	74.00	-4.24	71.60	4.51	28.67	35.02	8	100	Peak	VERTICAL

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

Temperature	26°C	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2
Test date	Oct. 03, 2014		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2385.80	70.25	74.00	-3.75	72.39	4.37	28.49	35.00	10	101	Peak	VERTICAL
2	2390.00	52.87	54.00	-1.13	54.98	4.41	28.49	35.01	10	101	Average	VERTICAL
3	2437.00	99.54			101.51	4.44	28.60	35.01	10	101	Average	VERTICAL
4	2437.60	112.44			114.41	4.44	28.60	35.01	10	101	Peak	VERTICAL
5	2483.50	50.46	54.00	-3.54	52.30	4.51	28.67	35.02	10	101	Average	VERTICAL
6	2485.90	63.37	74.00	-10.63	65.21	4.51	28.67	35.02	10	101	Peak	VERTICAL

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2388.20	61.14	74.00	-12.86	63.28	4.37	28.49	35.00	10	101	Peak	VERTICAL
2	2390.00	47.70	54.00	-6.30	49.81	4.41	28.49	35.01	10	101	Average	VERTICAL
3	2443.60	100.47			102.41	4.48	28.60	35.02	10	101	Average	VERTICAL
4	2452.60	114.07			116.01	4.48	28.60	35.02	10	101	Peak	VERTICAL
5	2483.50	52.87	54.00	-1.13	54.71	4.51	28.67	35.02	10	101	Average	VERTICAL
6	2483.50	67.37	74.00	-6.63	69.21	4.51	28.67	35.02	10	101	Peak	VERTICAL

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

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2387.60	56.84	74.00	-17.16	58.98	4.37	28.49	35.00	10	101	Peak	VERTICAL
2	2390.00	44.68	54.00	-9.32	46.79	4.41	28.49	35.01	10	101	Average	VERTICAL
3	2467.00	95.36			97.24	4.51	28.63	35.02	10	101	Average	VERTICAL
4	2467.60	108.19			110.07	4.51	28.63	35.02	10	101	Peak	VERTICAL
5	2483.50	52.58	54.00	-1.42	54.42	4.51	28.67	35.02	10	101	Average	VERTICAL
6	2483.50	71.23	74.00	-2.77	73.07	4.51	28.67	35.02	10	101	Peak	VERTICAL

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 3TX

Temperature	26°C	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3
Test date	Oct. 03, 2014		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.40	61.52	74.00	-12.48	63.66	4.37	28.49	35.00	353	101	Peak	VERTICAL
2	2390.00	49.89	54.00	-4.11	52.00	4.41	28.49	35.01	353	101	Average	VERTICAL
3	2409.60	102.57			104.64	4.41	28.53	35.01	353	101	Average	VERTICAL
4	2410.20	114.94			117.01	4.41	28.53	35.01	353	101	Peak	VERTICAL
5	2485.90	65.32	74.00	-8.68	67.16	4.51	28.67	35.02	353	101	Peak	VERTICAL
6	2496.70	52.99	54.00	-1.01	54.77	4.55	28.70	35.03	353	101	Average	VERTICAL

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2390.00	50.29	54.00	-3.71	52.40	4.41	28.49	35.01	360	101	Average	VERTICAL
2	2390.00	62.53	74.00	-11.47	64.64	4.41	28.49	35.01	360	101	Peak	VERTICAL
3	2442.40	116.57			118.51	4.48	28.60	35.02	360	101	Peak	VERTICAL
4	2443.60	104.27			106.21	4.48	28.60	35.02	360	101	Average	VERTICAL
5	2488.30	52.65	54.00	-1.35	54.46	4.51	28.70	35.02	360	101	Average	VERTICAL
6	2488.90	66.19	74.00	-7.81	68.00	4.51	28.70	35.02	360	101	Peak	VERTICAL

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

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2385.80	60.79	74.00	-13.21	62.93	4.37	28.49	35.00	354	100	Peak	VERTICAL
2	2390.00	49.35	54.00	-4.65	51.46	4.41	28.49	35.01	354	100	Average	VERTICAL
3	2468.00	104.17			106.05	4.51	28.63	35.02	354	100	Average	VERTICAL
4	2468.60	116.60			118.48	4.51	28.63	35.02	354	100	Peak	VERTICAL
5	2483.50	52.77	54.00	-1.23	54.61	4.51	28.67	35.02	354	100	Average	VERTICAL
6	2497.90	65.83	74.00	-8.17	67.61	4.55	28.70	35.03	354	100	Peak	VERTICAL

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

Temperature	26°C	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3
Test date	Oct. 03, 2014		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2390.00	52.99	54.00	-1.01	55.10	4.41	28.49	35.01	360	101	Average	VERTICAL
2	2390.00	71.51	74.00	-2.49	73.62	4.41	28.49	35.01	360	101	Peak	VERTICAL
3	2438.20	98.64			100.61	4.44	28.60	35.01	360	101	Average	VERTICAL
4	2438.80	112.21			114.18	4.44	28.60	35.01	360	101	Peak	VERTICAL
5	2493.10	51.15	54.00	-2.85	52.93	4.55	28.70	35.03	360	101	Average	VERTICAL
6	2495.50	65.37	74.00	-8.63	67.15	4.55	28.70	35.03	360	101	Peak	VERTICAL

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2390.00	50.63	54.00	-3.37	52.74	4.41	28.49	35.01	5	101	Average	VERTICAL
2	2390.00	63.86	74.00	-10.14	65.97	4.41	28.49	35.01	5	101	Peak	VERTICAL
3	2450.80	102.12			104.06	4.48	28.60	35.02	5	101	Average	VERTICAL
4	2452.60	115.99			117.93	4.48	28.60	35.02	5	101	Peak	VERTICAL
5	2483.50	52.76	54.00	-1.24	54.60	4.51	28.67	35.02	5	101	Average	VERTICAL
6	2483.50	66.44	74.00	-7.56	68.28	4.51	28.67	35.02	5	101	Peak	VERTICAL

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

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.40	59.07	74.00	-14.93	61.21	4.37	28.49	35.00	355	101	Peak	VERTICAL
2	2390.00	45.74	54.00	-8.26	47.85	4.41	28.49	35.01	355	101	Average	VERTICAL
3	2468.80	110.49			112.37	4.51	28.63	35.02	355	101	Peak	VERTICAL
4	2469.40	96.88			98.76	4.51	28.63	35.02	355	101	Average	VERTICAL
5	2483.50	52.62	54.00	-1.38	54.46	4.51	28.67	35.02	355	101	Average	VERTICAL
6	2483.50	72.96	74.00	-1.04	74.80	4.51	28.67	35.02	355	101	Peak	VERTICAL

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.

Mode 3 (Ant.32 3-Port Dual-Band Directional Panel antenna / Chain 1: 8, Chain 2: 5.1, Chain 3: 8.2dBi)

For Beamforming Mode

For 3TX

Temperature	26°C	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3
Test date	Sep. 25, 2014		

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	2388.80	66.88	74.00	-7.12	34.02	4.37	28.49	0.00	Peak	100	150	VERTICAL
2	2390.00	52.98	54.00	-1.02	20.08	4.41	28.49	0.00	Average	100	150	VERTICAL
3	2411.20	102.58			69.64	4.41	28.53	0.00	Average	100	150	VERTICAL
4	2411.20	114.86			81.92	4.41	28.53	0.00	Peak	100	150	VERTICAL
5	2498.70	51.25	54.00	-2.75	18.00	4.55	28.70	0.00	Average	100	150	VERTICAL
6	2499.10	63.60	74.00	-10.40	30.35	4.55	28.70	0.00	Peak	100	150	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	49.20	54.00	-4.80	16.30	4.41	28.49	0.00	Average	154	128	HORIZONTAL
2	2390.00	59.16	74.00	-14.84	26.26	4.41	28.49	0.00	Peak	154	128	HORIZONTAL
3	2441.80	104.86			71.78	4.48	28.60	0.00	Average	154	128	HORIZONTAL
4	2442.20	116.99			83.91	4.48	28.60	0.00	Peak	154	128	HORIZONTAL
5	2483.50	52.76	54.00	-1.24	19.58	4.51	28.67	0.00	Average	154	128	HORIZONTAL
6	2483.50	65.10	74.00	-8.90	31.92	4.51	28.67	0.00	Peak	154	128	HORIZONTAL

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

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2465.60	113.38			80.27	4.48	28.63	0.00	Peak	126	129	HORIZONTAL
2	2466.60	103.33			70.19	4.51	28.63	0.00	Average	126	129	HORIZONTAL
3	2483.50	52.68	54.00	-1.32	19.50	4.51	28.67	0.00	Average	126	129	HORIZONTAL
4	2483.50	52.83	54.00	-1.17	19.65	4.51	28.67	0.00	Average	126	129	HORIZONTAL
5	2483.50	64.31	74.00	-9.69	31.13	4.51	28.67	0.00	Peak	126	129	HORIZONTAL

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

Temperature	26°C	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3
Test date	Sep. 25, 2014		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2390.00	52.89	54.00	-1.11	19.99	4.41	28.49	0.00	Average	124	130	HORIZONTAL
2	2390.00	66.22	74.00	-7.78	33.32	4.41	28.49	0.00	Peak	124	130	HORIZONTAL
3	2431.60	98.75			65.75	4.44	28.56	0.00	Average	124	130	HORIZONTAL
4	2437.60	110.44			77.40	4.44	28.60	0.00	Peak	124	130	HORIZONTAL

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2390.00	49.59	54.00	-4.41	16.69	4.41	28.49	0.00	Average	156	133	HORIZONTAL
2	2390.00	58.85	74.00	-15.15	25.95	4.41	28.49	0.00	Peak	156	133	HORIZONTAL
3	2454.20	110.92			77.81	4.48	28.63	0.00	Peak	156	133	HORIZONTAL
4	2455.00	102.12			69.01	4.48	28.63	0.00	Average	156	133	HORIZONTAL
5	2483.50	52.97	54.00	-1.03	19.79	4.51	28.67	0.00	Average	156	133	HORIZONTAL
6	2483.50	63.57	74.00	-10.43	30.39	4.51	28.67	0.00	Peak	156	133	HORIZONTAL

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

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2459.20	93.20			60.09	4.48	28.63	0.00	Average	143	230	HORIZONTAL
2	2460.80	106.06			72.95	4.48	28.63	0.00	Peak	143	230	HORIZONTAL
3	2483.50	52.63	54.00	-1.37	19.45	4.51	28.67	0.00	Average	143	230	HORIZONTAL
4	2483.50	70.57	74.00	-3.43	37.39	4.51	28.67	0.00	Peak	143	230	HORIZONTAL

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

Note:

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

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

For Non-Beamforming Mode

For 1TX

Temperature	26°C	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1
Test date	Sep. 23, 2014		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2390.00	52.03	54.00	-1.97	54.14	4.41	28.49	35.01	Average	100	161	VERTICAL
2	2390.00	72.82	74.00	-1.18	74.93	4.41	28.49	35.01	Peak	100	161	VERTICAL
3	2409.00	102.21			104.28	4.41	28.53	35.01	Average	100	161	VERTICAL
4	2416.00	115.52			117.56	4.44	28.53	35.01	Peak	100	161	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	50.52	54.00	-3.48	52.63	4.41	28.49	35.01	Average	100	159	VERTICAL
2	2390.00	68.20	74.00	-5.80	70.31	4.41	28.49	35.01	Peak	100	159	VERTICAL
3	2441.80	107.18			109.12	4.48	28.60	35.02	Average	100	159	VERTICAL
4	2443.00	119.78			121.72	4.48	28.60	35.02	Peak	100	159	VERTICAL
5	2483.50	52.64	54.00	-1.36	54.48	4.51	28.67	35.02	Average	100	159	VERTICAL
6	2483.50	71.96	74.00	-2.04	73.80	4.51	28.67	35.02	Peak	100	159	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	2461.00	113.97			115.88	4.48	28.63	35.02	Peak	100	157	VERTICAL
2	2463.60	100.77			102.68	4.48	28.63	35.02	Average	100	157	VERTICAL
3	2483.50	51.58	54.00	-2.42	53.42	4.51	28.67	35.02	Average	100	157	VERTICAL
4	2483.50	72.75	74.00	-1.25	74.59	4.51	28.67	35.02	Peak	100	157	VERTICAL

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

Temperature	26°C	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1
Test date	Sep. 23, 2014		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2390.00	52.79	54.00	-1.21	54.90	4.41	28.49	35.01	Average	100	159	VERTICAL
2	2390.00	67.62	74.00	-6.38	69.73	4.41	28.49	35.01	Peak	100	159	VERTICAL
3	2428.00	107.80			109.81	4.44	28.56	35.01	Peak	100	159	VERTICAL
4	2438.80	98.47			100.44	4.44	28.60	35.01	Average	100	159	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	49.61	54.00	-4.39	51.72	4.41	28.49	35.01	Average	100	158	VERTICAL
2	2390.00	72.77	74.00	-1.23	74.88	4.41	28.49	35.01	Peak	100	158	VERTICAL
3	2425.80	101.24			103.25	4.44	28.56	35.01	Average	100	158	VERTICAL
4	2445.40	111.40			113.34	4.48	28.60	35.02	Peak	100	158	VERTICAL
5	2483.50	51.30	54.00	-2.70	53.14	4.51	28.67	35.02	Average	100	158	VERTICAL
6	2483.50	71.79	74.00	-2.21	73.63	4.51	28.67	35.02	Peak	100	158	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	2461.60	107.46			109.37	4.48	28.63	35.02	Peak	100	157	VERTICAL
2	2464.00	97.30			99.21	4.48	28.63	35.02	Average	100	157	VERTICAL
3	2483.50	52.76	54.00	-1.24	54.60	4.51	28.67	35.02	Average	100	157	VERTICAL
4	2483.50	70.47	74.00	-3.53	72.31	4.51	28.67	35.02	Peak	100	157	VERTICAL

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

Temperature	26°C	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1
Test date	Sep. 23, 2014		

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	2386.00	50.18	54.00	-3.82	52.32	4.37	28.49	35.00	Average	100	159	VERTICAL
2	2386.40	57.91	74.00	-16.09	60.05	4.37	28.49	35.00	Peak	100	159	VERTICAL
3	2410.40	108.41			110.48	4.41	28.53	35.01	Average	100	159	VERTICAL
4	2411.20	112.55			114.62	4.41	28.53	35.01	Peak	100	159	VERTICAL
5	2497.10	60.55	74.00	-13.45	62.33	4.55	28.70	35.03	Peak	100	159	VERTICAL
6	2498.40	52.90	54.00	-1.10	54.68	4.55	28.70	35.03	Average	100	159	VERTICAL

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2389.60	59.54	74.00	-14.46	61.68	4.37	28.49	35.00	Peak	100	159	VERTICAL
2	2390.00	51.46	54.00	-2.54	53.57	4.41	28.49	35.01	Average	100	159	VERTICAL
3	2438.20	120.08			122.05	4.44	28.60	35.01	Peak	100	159	VERTICAL
4	2438.60	115.73			117.70	4.44	28.60	35.01	Average	100	159	VERTICAL
5	2484.70	50.33	54.00	-3.67	52.17	4.51	28.67	35.02	Average	100	159	VERTICAL
6	2484.70	59.25	74.00	-14.75	61.09	4.51	28.67	35.02	Peak	100	159	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	2463.00	113.10			115.01	4.48	28.63	35.02	Peak	100	156	VERTICAL
2	2463.80	108.88			110.79	4.48	28.63	35.02	Average	100	156	VERTICAL
3	2483.50	60.95	74.00	-13.05	62.79	4.51	28.67	35.02	Peak	100	156	VERTICAL
4	2487.70	52.86	54.00	-1.14	54.67	4.51	28.70	35.02	Average	100	156	VERTICAL

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

Temperature	26°C	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11g CH 3, 6, 9 / Chain 1
Test date	Sep. 23, 2014		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2390.00	51.53	54.00	-2.47	53.64	4.41	28.49	35.01	Average	100	157	VERTICAL
2	2390.00	72.92	74.00	-1.08	75.03	4.41	28.49	35.01	Peak	100	157	VERTICAL
3	2408.20	102.67			104.74	4.41	28.53	35.01	Average	100	157	VERTICAL
4	2414.60	115.47			117.54	4.41	28.53	35.01	Peak	100	157	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	50.58	54.00	-3.42	52.69	4.41	28.49	35.01	Average	100	159	VERTICAL
2	2390.00	70.43	74.00	-3.57	72.54	4.41	28.49	35.01	Peak	100	159	VERTICAL
3	2441.80	107.66			109.60	4.48	28.60	35.02	Average	100	159	VERTICAL
4	2441.80	120.80			122.74	4.48	28.60	35.02	Peak	100	159	VERTICAL
5	2483.50	52.43	54.00	-1.57	54.27	4.51	28.67	35.02	Average	100	159	VERTICAL
6	2485.10	72.68	74.00	-1.32	74.52	4.51	28.67	35.02	Peak	100	159	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	2463.40	113.82			115.73	4.48	28.63	35.02	Peak	100	155	VERTICAL
2	2464.20	100.96			102.87	4.48	28.63	35.02	Average	100	155	VERTICAL
3	2483.50	50.64	54.00	-3.36	52.48	4.51	28.67	35.02	Average	100	155	VERTICAL
4	2483.50	72.54	74.00	-1.46	74.38	4.51	28.67	35.02	Peak	100	155	VERTICAL

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

Note:

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

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

For 2TX

Temperature	26°C	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2
Test date	Sep. 22, 2014		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2390.00	52.68	54.00	-1.32	54.79	4.41	28.49	35.01	Average	100	149	VERTICAL
2	2390.00	67.19	74.00	-6.81	69.30	4.41	28.49	35.01	Peak	100	149	VERTICAL
3	2409.60	102.98			105.05	4.41	28.53	35.01	Average	100	149	VERTICAL
4	2410.40	115.23			117.30	4.41	28.53	35.01	Peak	100	149	VERTICAL

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2388.00	67.52	74.00	-6.48	69.66	4.37	28.49	35.00	Peak	100	158	VERTICAL
2	2390.00	48.21	54.00	-5.79	50.32	4.41	28.49	35.01	Average	100	158	VERTICAL
3	2442.60	108.94			110.88	4.48	28.60	35.02	Average	100	158	VERTICAL
4	2443.80	120.69			122.63	4.48	28.60	35.02	Peak	100	158	VERTICAL
5	2483.50	52.64	54.00	-1.36	54.48	4.51	28.67	35.02	Average	100	158	VERTICAL
6	2484.30	72.05	74.00	-1.95	73.89	4.51	28.67	35.02	Peak	100	158	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	2467.20	103.81			105.69	4.51	28.63	35.02	Average	100	206	VERTICAL
2	2467.40	115.85			117.73	4.51	28.63	35.02	Peak	100	206	VERTICAL
3	2483.50	52.78	54.00	-1.22	54.62	4.51	28.67	35.02	Average	100	206	VERTICAL
4	2483.50	65.47	74.00	-8.53	67.31	4.51	28.67	35.02	Peak	100	206	VERTICAL

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

Temperature	26°C	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2
Test date	Sep. 22, 2014		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2390.00	52.76	54.00	-1.24	54.87	4.41	28.49	35.01	Average	100	159	VERTICAL
2	2390.00	67.55	74.00	-6.45	69.66	4.41	28.49	35.01	Peak	100	159	VERTICAL
3	2409.20	107.77			109.84	4.41	28.53	35.01	Peak	100	159	VERTICAL
4	2427.20	98.56			100.57	4.44	28.56	35.01	Average	100	159	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	2388.40	59.33	74.00	-14.67	61.47	4.37	28.49	35.00	Peak	100	159	VERTICAL
2	2390.00	47.46	54.00	-6.54	49.57	4.41	28.49	35.01	Average	100	159	VERTICAL
3	2443.00	102.56			104.50	4.48	28.60	35.02	Average	100	159	VERTICAL
4	2453.00	112.96			114.90	4.48	28.60	35.02	Peak	100	159	VERTICAL
5	2483.50	52.99	54.00	-1.01	54.83	4.51	28.67	35.02	Average	100	159	VERTICAL
6	2483.50	65.61	74.00	-8.39	67.45	4.51	28.67	35.02	Peak	100	159	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	2465.60	98.22			100.13	4.48	28.63	35.02	Average	100	155	VERTICAL
2	2466.00	107.11			109.02	4.48	28.63	35.02	Peak	100	155	VERTICAL
3	2483.50	52.91	54.00	-1.09	54.75	4.51	28.67	35.02	Average	100	155	VERTICAL
4	2483.50	69.77	74.00	-4.23	71.61	4.51	28.67	35.02	Peak	100	155	VERTICAL

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

Temperature	26°C	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1 + Chain 2
Test date	Sep. 22, 2014		

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	2386.00	49.45	54.00	-4.55	51.59	4.37	28.49	35.00	Average	100	187	VERTICAL
2	2386.80	58.22	74.00	-15.78	60.36	4.37	28.49	35.00	Peak	100	187	VERTICAL
3	2413.20	115.38			117.45	4.41	28.53	35.01	Peak	100	187	VERTICAL
4	2413.60	111.31			113.38	4.41	28.53	35.01	Average	100	187	VERTICAL
5	2498.40	52.54	54.00	-1.46	54.32	4.55	28.70	35.03	Average	100	187	VERTICAL
6	2498.40	60.68	74.00	-13.32	62.46	4.55	28.70	35.03	Peak	100	187	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	46.28	54.00	-7.72	48.39	4.41	28.49	35.01	Average	100	193	VERTICAL
2	2390.00	59.32	74.00	-14.68	61.43	4.41	28.49	35.01	Peak	100	193	VERTICAL
3	2438.20	120.33			122.30	4.44	28.60	35.01	Peak	100	193	VERTICAL
4	2438.60	116.17			118.14	4.44	28.60	35.01	Average	100	193	VERTICAL
5	2483.90	51.49	54.00	-2.51	53.33	4.51	28.67	35.02	Average	100	193	VERTICAL
6	2483.90	63.01	74.00	-10.99	64.85	4.51	28.67	35.02	Peak	100	193	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	2463.80	110.59			112.50	4.48	28.63	35.02	Average	100	193	VERTICAL
2	2464.60	114.10			116.01	4.48	28.63	35.02	Peak	100	193	VERTICAL
3	2486.70	61.57	74.00	-12.43	63.41	4.51	28.67	35.02	Peak	100	193	VERTICAL
4	2487.70	52.85	54.00	-1.15	54.66	4.51	28.70	35.02	Average	100	193	VERTICAL

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

Temperature	26°C	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11g CH 3, 6, 9 / Chain 1 + Chain 2
Test date	Sep. 22, 2014		

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	2389.20	52.93	54.00	-1.07	55.07	4.37	28.49	35.00	Average	100	151	VERTICAL
2	2390.00	70.13	74.00	-3.87	72.24	4.41	28.49	35.01	Peak	100	151	VERTICAL
3	2413.60	104.14			106.21	4.41	28.53	35.01	Average	100	151	VERTICAL
4	2418.40	116.07			118.11	4.44	28.53	35.01	Peak	100	151	VERTICAL
5	2497.50	62.67	74.00	-11.33	64.45	4.55	28.70	35.03	Peak	100	151	VERTICAL
6	2497.90	50.96	54.00	-3.04	52.74	4.55	28.70	35.03	Average	100	151	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	2388.80	50.27	54.00	-3.73	52.41	4.37	28.49	35.00	Average	100	159	VERTICAL
2	2388.80	67.36	74.00	-6.64	69.50	4.37	28.49	35.00	Peak	100	159	VERTICAL
3	2443.00	109.48			111.42	4.48	28.60	35.02	Average	100	159	VERTICAL
4	2443.40	120.84			122.78	4.48	28.60	35.02	Peak	100	159	VERTICAL
5	2483.50	52.97	54.00	-1.03	54.81	4.51	28.67	35.02	Average	100	159	VERTICAL
6	2483.50	71.42	74.00	-2.58	73.26	4.51	28.67	35.02	Peak	100	159	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	2463.20	102.86			104.77	4.48	28.63	35.02	Average	100	154	VERTICAL
2	2463.20	114.72			116.63	4.48	28.63	35.02	Peak	100	154	VERTICAL
3	2483.50	52.65	54.00	-1.35	54.49	4.51	28.67	35.02	Average	100	154	VERTICAL
4	2483.50	67.59	74.00	-6.41	69.43	4.51	28.67	35.02	Peak	100	154	VERTICAL

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

Note:

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

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

For 3TX

Temperature	26°C	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3
Test date	Sep. 21, 2014 ~ Sep. 23, 2014		

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	2387.60	67.19	74.00	-6.81	34.33	4.37	28.49	0.00	Peak	100	157	VERTICAL
2	2390.00	52.89	54.00	-1.11	19.99	4.41	28.49	0.00	Average	100	157	VERTICAL
3	2408.40	103.70			70.76	4.41	28.53	0.00	Average	100	157	VERTICAL
4	2409.00	115.74			82.80	4.41	28.53	0.00	Peak	100	157	VERTICAL
5	2496.70	63.50	74.00	-10.50	30.25	4.55	28.70	0.00	Peak	100	157	VERTICAL
6	2497.50	50.07	54.00	-3.93	16.82	4.55	28.70	0.00	Average	100	157	VERTICAL

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2388.80	68.44	74.00	-5.56	35.58	4.37	28.49	0.00	Peak	100	157	VERTICAL
2	2390.00	49.71	54.00	-4.29	16.81	4.41	28.49	0.00	Average	100	157	VERTICAL
3	2442.60	108.98			75.90	4.48	28.60	0.00	Average	100	157	VERTICAL
4	2443.40	121.59			88.51	4.48	28.60	0.00	Peak	100	157	VERTICAL
5	2483.50	52.65	54.00	-1.35	19.47	4.51	28.67	0.00	Average	100	157	VERTICAL
6	2487.90	68.79	74.00	-5.21	35.58	4.51	28.70	0.00	Peak	100	157	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	2456.20	116.17			83.81	4.14	28.22	0.00	Peak	100	331	VERTICAL
2	2456.80	103.78			71.42	4.14	28.22	0.00	Average	100	331	VERTICAL
3	2483.50	52.70	54.00	-1.30	20.28	4.16	28.26	0.00	Average	100	331	VERTICAL
4	2483.70	71.76	74.00	-2.24	39.34	4.16	28.26	0.00	Peak	100	331	VERTICAL

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

Temperature	26°C	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3
Test date	Sep. 21, 2014 ~ Sep. 23, 2014		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2390.00	52.91	54.00	-1.09	20.77	4.09	28.05	0.00	Average	179	308	HORIZONTAL
2	2390.00	68.24	74.00	-5.76	36.10	4.09	28.05	0.00	Peak	179	308	HORIZONTAL
3	2434.00	98.73			66.43	4.12	28.18	0.00	Average	179	308	HORIZONTAL
4	2437.60	110.81			78.50	4.13	28.18	0.00	Peak	179	308	HORIZONTAL

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2388.20	67.49	74.00	-6.51	35.35	4.09	28.05	0.00	Peak	100	334	VERTICAL
2	2390.00	52.01	54.00	-1.99	19.87	4.09	28.05	0.00	Average	100	334	VERTICAL
3	2450.80	115.15			82.84	4.13	28.18	0.00	Peak	100	334	VERTICAL
4	2451.40	104.76			72.41	4.13	28.22	0.00	Average	100	334	VERTICAL
5	2485.30	69.98	74.00	-4.02	37.52	4.16	28.30	0.00	Peak	100	334	VERTICAL
6	2490.10	52.55	54.00	-1.45	20.08	4.17	28.30	0.00	Average	100	334	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	2466.80	109.63			76.49	4.51	28.63	0.00	Peak	100	152	VERTICAL
2	2467.20	96.66			63.52	4.51	28.63	0.00	Average	100	152	VERTICAL
3	2483.50	52.99	54.00	-1.01	19.81	4.51	28.67	0.00	Average	100	152	VERTICAL
4	2483.50	71.90	74.00	-2.10	38.72	4.51	28.67	0.00	Peak	100	152	VERTICAL

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

Temperature	26°C	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3
Test date	Sep. 22, 2014		

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	2386.20	52.86	54.00	-1.14	20.00	4.37	28.49	0.00	Average	100	49	VERTICAL
2	2386.20	61.24	74.00	-12.76	28.38	4.37	28.49	0.00	Peak	100	49	VERTICAL
3	2409.40	114.83			81.89	4.41	28.53	0.00	Peak	100	49	VERTICAL
4	2410.20	111.45			78.51	4.41	28.53	0.00	Average	100	49	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	2386.40	60.50	74.00	-13.50	27.64	4.37	28.49	0.00	Peak	151	315	HORIZONTAL
2	2390.00	48.72	54.00	-5.28	15.82	4.41	28.49	0.00	Average	151	315	HORIZONTAL
3	2439.80	110.32			77.28	4.44	28.60	0.00	Average	151	315	HORIZONTAL
4	2439.80	113.87			80.83	4.44	28.60	0.00	Peak	151	315	HORIZONTAL
5	2483.50	50.64	54.00	-3.36	17.46	4.51	28.67	0.00	Average	151	315	HORIZONTAL
6	2484.30	61.40	74.00	-12.60	28.22	4.51	28.67	0.00	Peak	151	315	HORIZONTAL

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

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2463.00	117.21			84.10	4.48	28.63	0.00	Peak	100	336	VERTICAL
2	2463.60	113.58			80.47	4.48	28.63	0.00	Average	100	336	VERTICAL
3	2483.70	61.79	74.00	-12.21	28.61	4.51	28.67	0.00	Peak	100	336	VERTICAL
4	2487.70	52.68	54.00	-1.32	19.47	4.51	28.70	0.00	Average	100	336	VERTICAL

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

Temperature	26°C	Humidity	68%
Test Engineer	Mars Lin	Configurations	IEEE 802.11g CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3
Test date	Sep. 21, 2014 ~ Sep. 23, 2014		

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	65.69	74.00	-8.31	32.83	4.37	28.49	0.00	Peak	101	159	VERTICAL
2	2390.00	53.00	54.00	-1.00	20.10	4.41	28.49	0.00	Average	101	159	VERTICAL
3	2410.20	103.93			70.99	4.41	28.53	0.00	Average	101	159	VERTICAL
4	2410.20	115.75			82.81	4.41	28.53	0.00	Peak	101	159	VERTICAL
5	2496.70	60.56	74.00	-13.44	27.31	4.55	28.70	0.00	Peak	101	159	VERTICAL
6	2498.50	50.20	54.00	-3.80	16.95	4.55	28.70	0.00	Average	101	159	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	2385.20	68.32	74.00	-5.68	35.49	4.37	28.46	0.00	Peak	100	159	VERTICAL
2	2390.00	52.07	54.00	-1.93	19.17	4.41	28.49	0.00	Average	100	159	VERTICAL
3	2444.20	122.70			89.62	4.48	28.60	0.00	Peak	100	159	VERTICAL
4	2444.60	110.69			77.61	4.48	28.60	0.00	Average	100	159	VERTICAL
5	2483.50	52.86	54.00	-1.14	19.68	4.51	28.67	0.00	Average	100	159	VERTICAL
6	2485.10	72.88	74.00	-1.12	39.70	4.51	28.67	0.00	Peak	100	159	VERTICAL

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

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2455.20	103.30			70.94	4.14	28.22	0.00	Average	100	334	VERTICAL
2	2455.60	115.00			82.64	4.14	28.22	0.00	Peak	100	334	VERTICAL
3	2483.50	52.92	54.00	-1.08	20.50	4.16	28.26	0.00	Average	100	334	VERTICAL
4	2483.50	66.11	74.00	-7.89	33.69	4.16	28.26	0.00	Peak	100	334	VERTICAL

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

Note:

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

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

For Emission not in Restricted Band

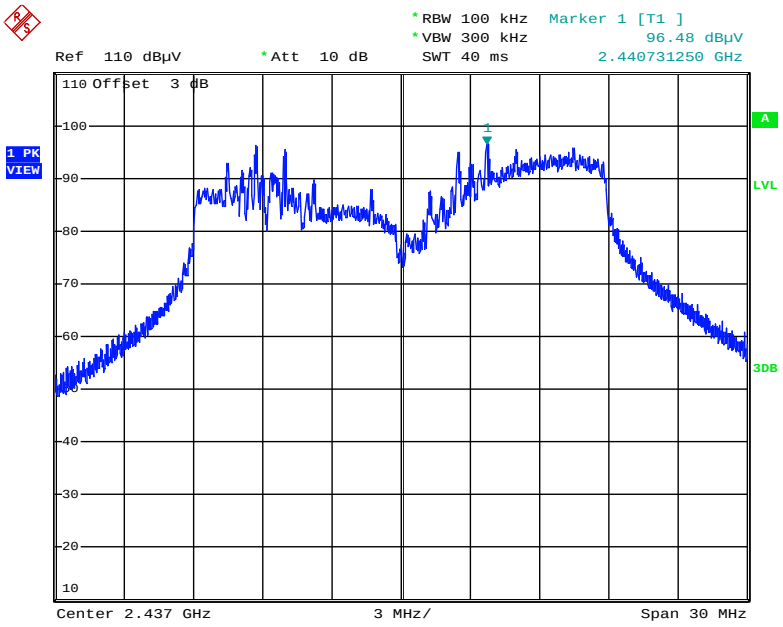
For 2.4GHz Band

Mode 1 (Ant.1 Dipole antenna / 9dBi)

For Beamforming Mode

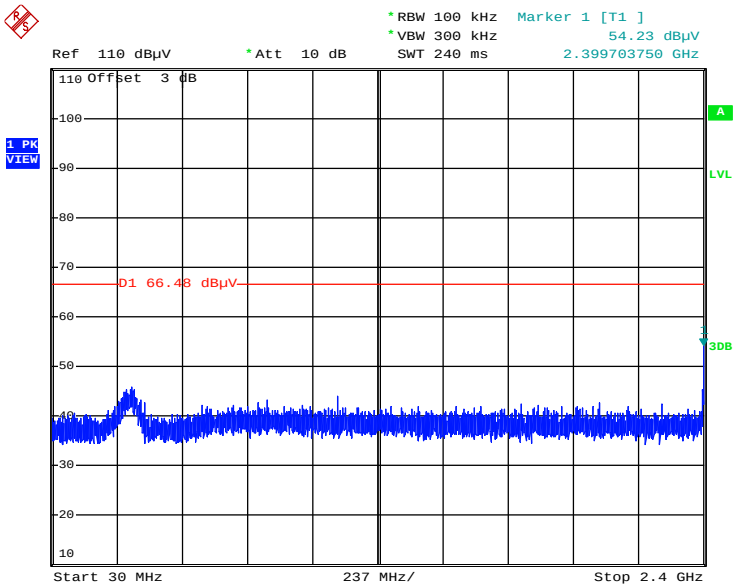
For 2TX

Plot on Configuration IEEE 802.11n MCS0 HT20 / Reference Level



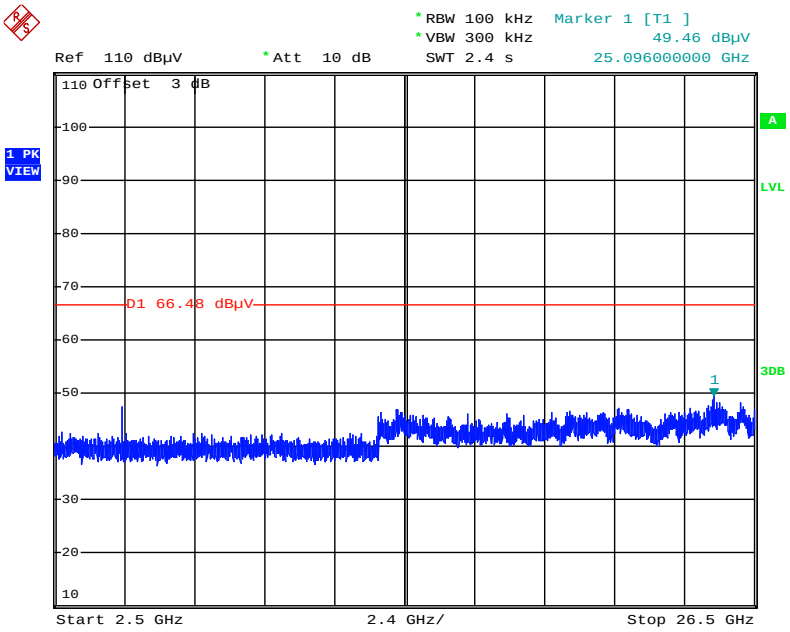
Date: 26.SEP.2014 18:43:38

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 1 / 30MHz~2400MHz (down 30dBc)



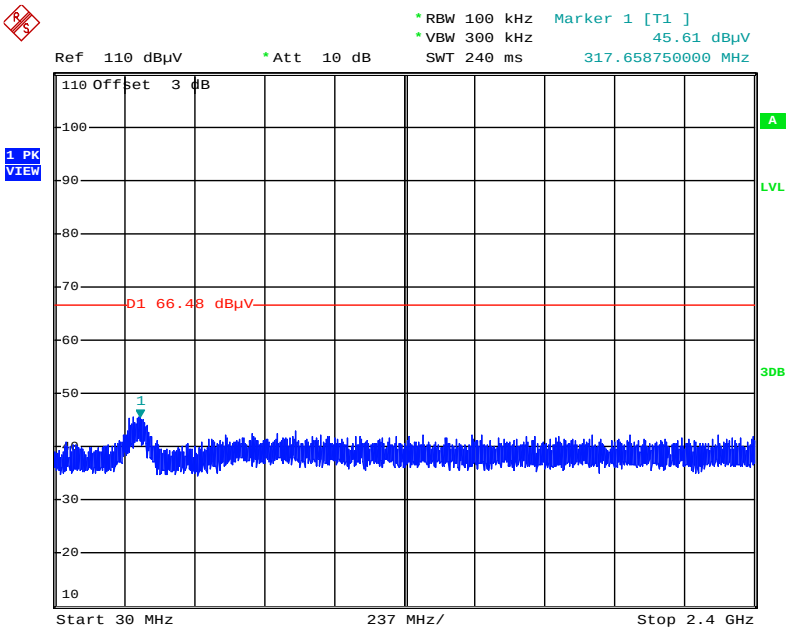
Date: 26.SEP.2014 18:44:32

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 1 / 2500MHz~26500MHz (down 30dBc)



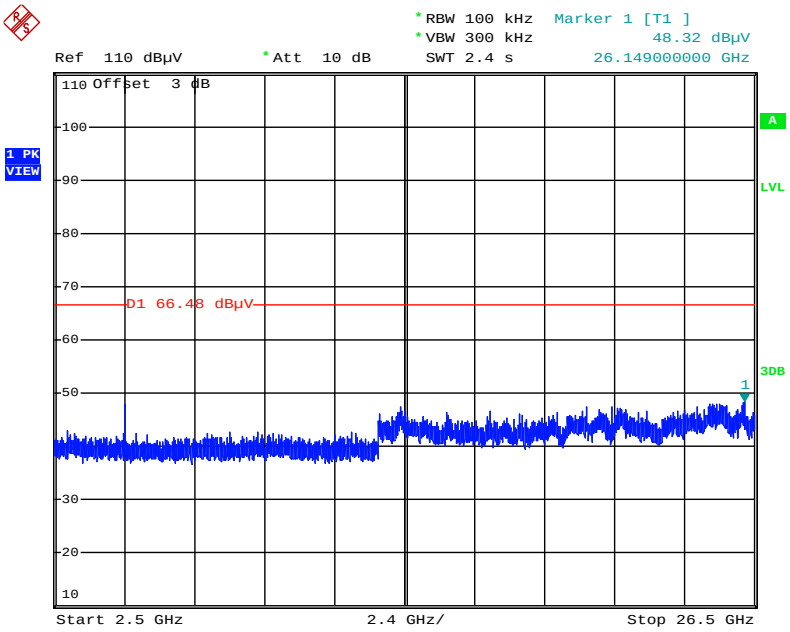
Date: 26.SEP.2014 18:45:00

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 11 / 30MHz~2400MHz (down 30dBc)



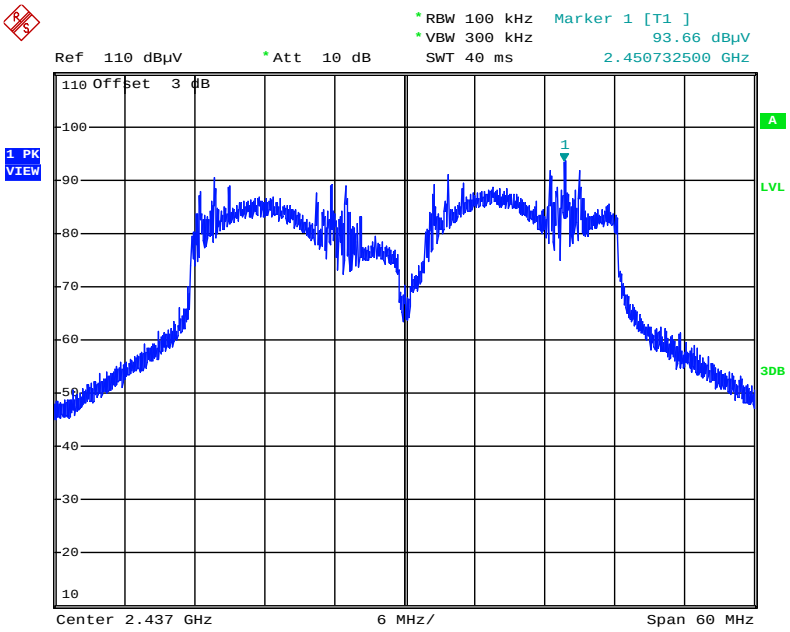
Date: 26.SEP.2014 18:46:00

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 11 / 2500MHz~26500MHz (down 30dBc)



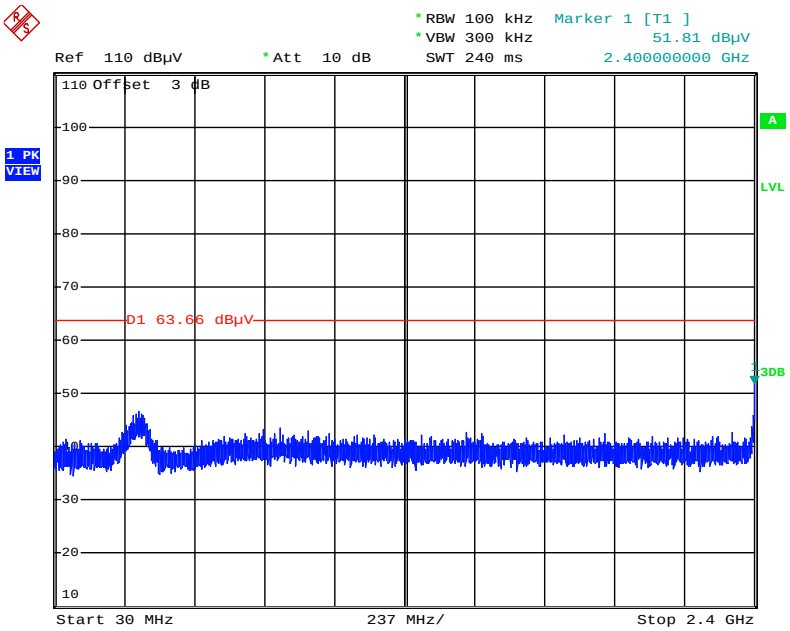
Date: 26.SEP.2014 18:45:39

Plot on Configuration IEEE 802.11n MCS0 HT40 / Reference Level



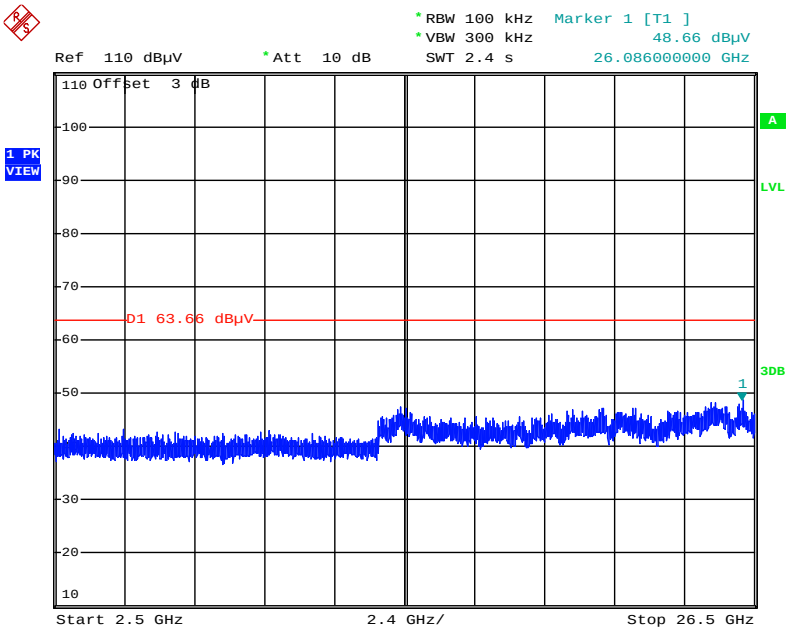
Date: 26.SEP.2014 18:47:01

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 3 / 30MHz~2400MHz (down 30dBc)



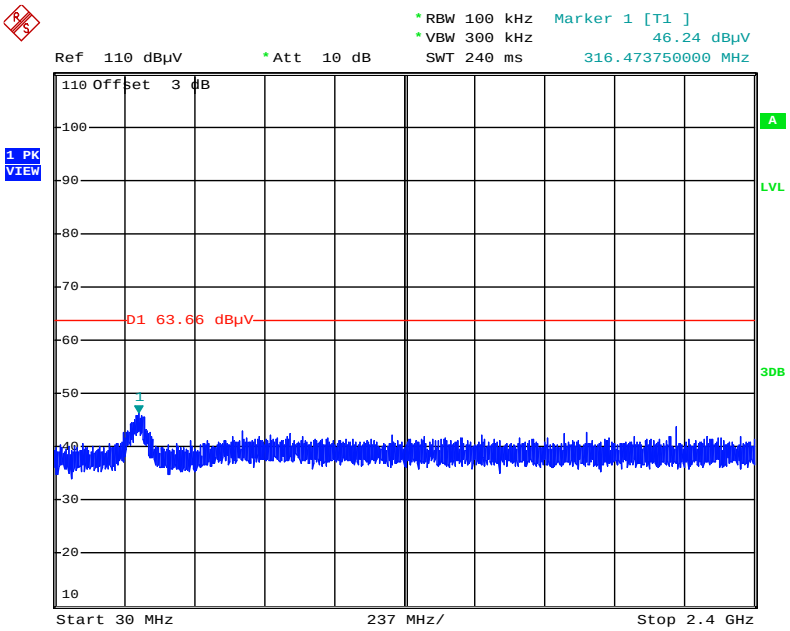
Date: 26.SEP.2014 18:47:50

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 3 / 2500MHz~26500MHz (down 30dBc)



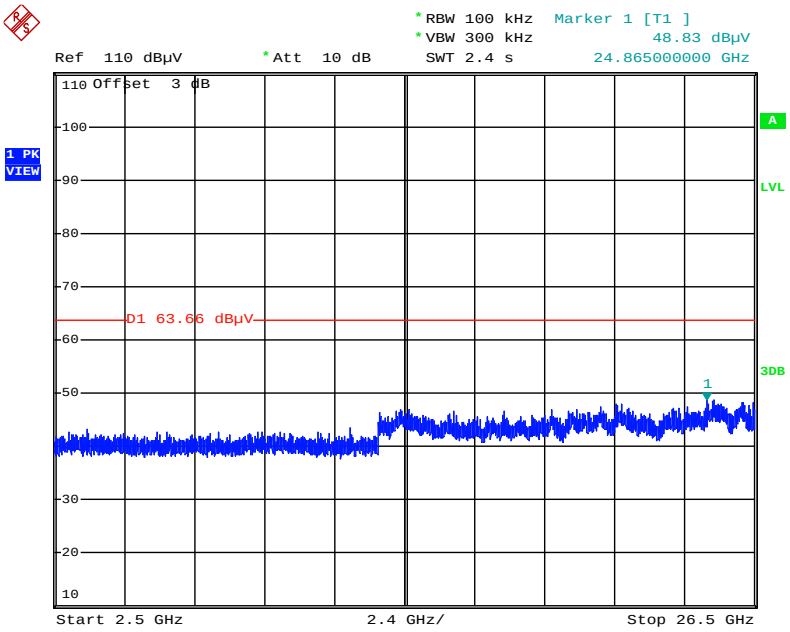
Date: 26.SEP.2014 18:48:28

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 9 / 30MHz~2400MHz (down 30dBc)



Date: 26.SEP.2014 18:50:02

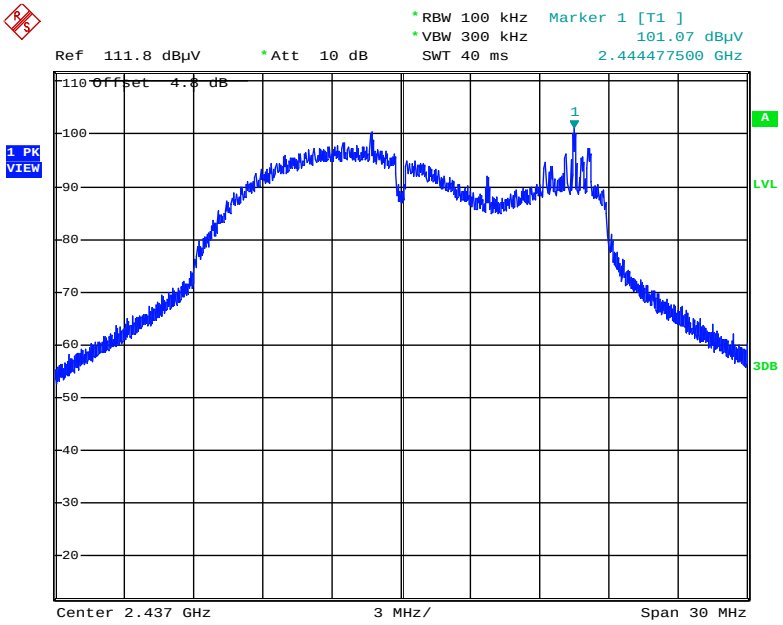
Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 9 / 2500MHz~26500MHz (down 30dBc)



Date: 26.SEP.2014 18:49:35

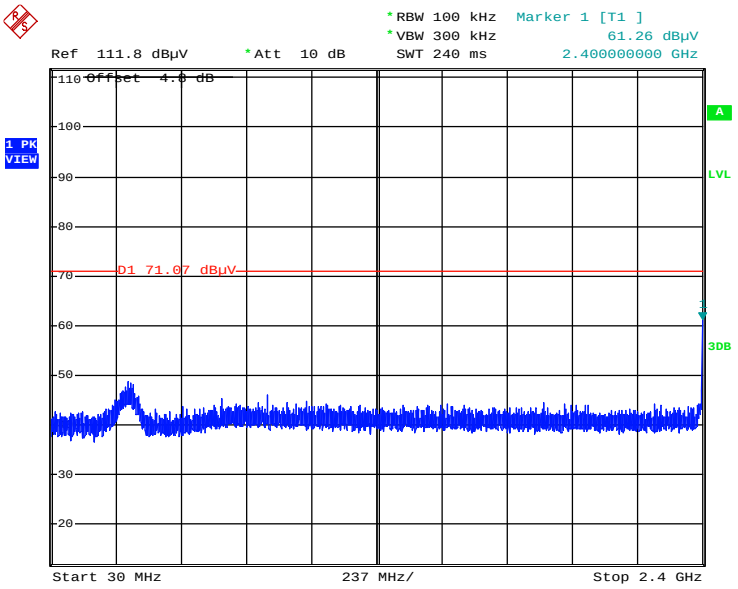
For 3TX

Plot on Configuration IEEE 802.11n MCS0 HT20 / Reference Level



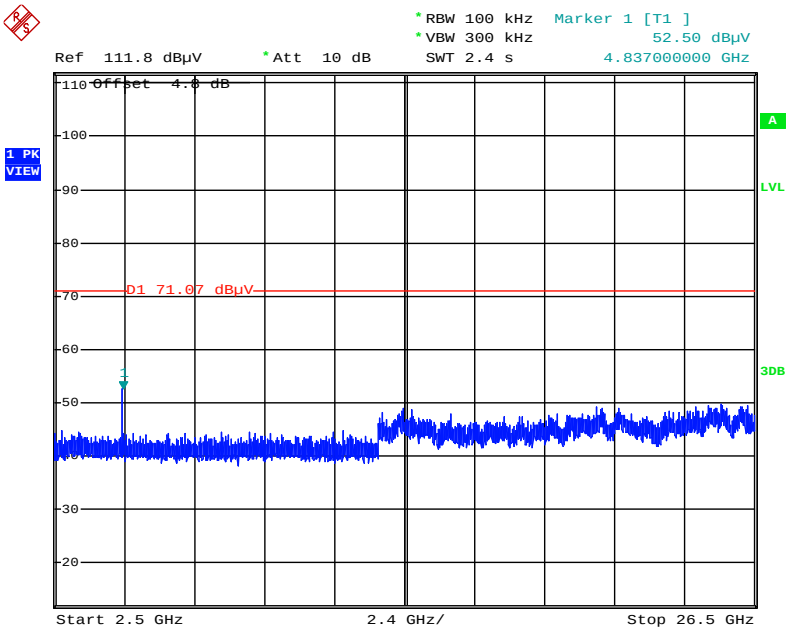
Date: 26.SEP.2014 18:34:07

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 1 / 30MHz~2400MHz (down 30dBc)



Date: 26.SEP.2014 18:35:41

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 1 / 2500MHz~26500MHz (down 30dBc)



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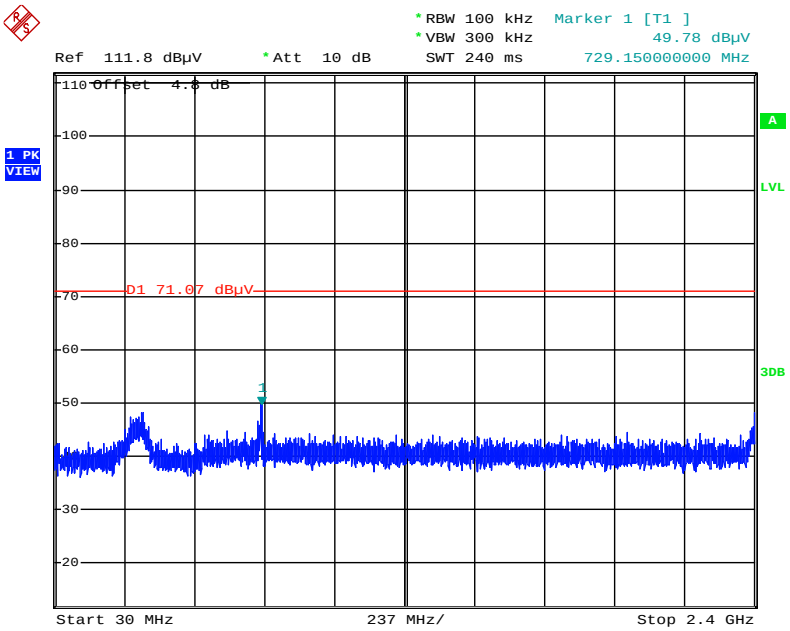
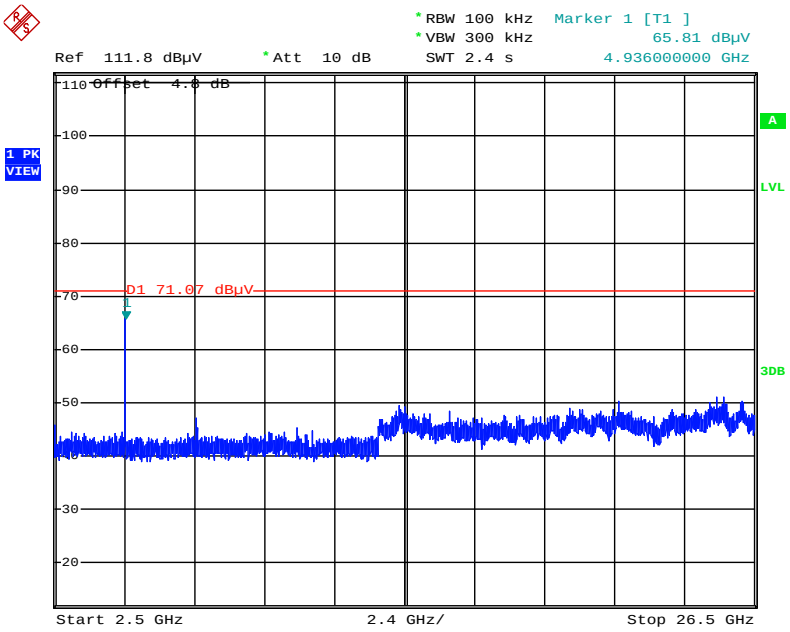
Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 11 / 30MHz~2400MHz (down 30dBc)



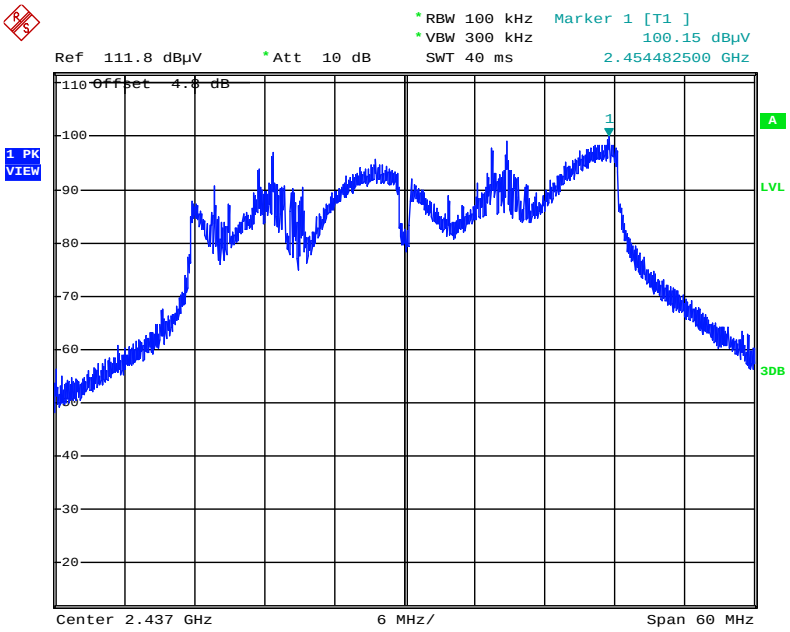
Date: 26.SEP.2014 18:37:48

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 11 / 2500MHz~26500MHz (down 30dBc)



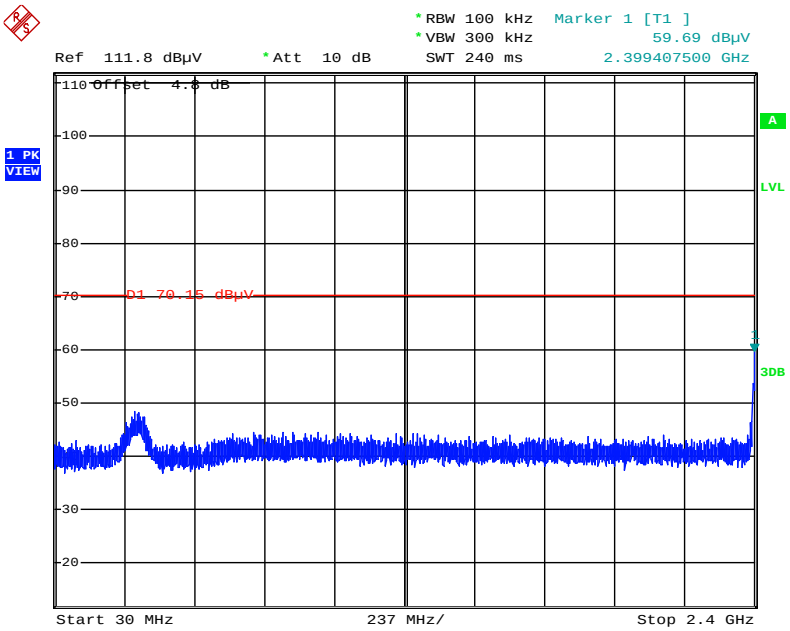
Date: 26.SEP.2014 18:37:28

Plot on Configuration IEEE 802.11n MCS0 HT40 / Reference Level



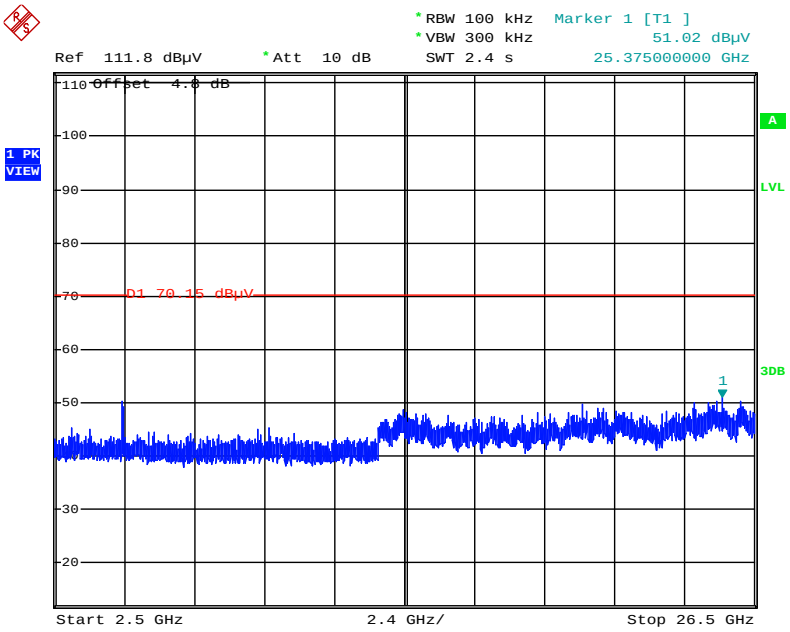
Date: 26.SEP.2014 18:23:18

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 3 / 30MHz~2400MHz (down 30dBc)



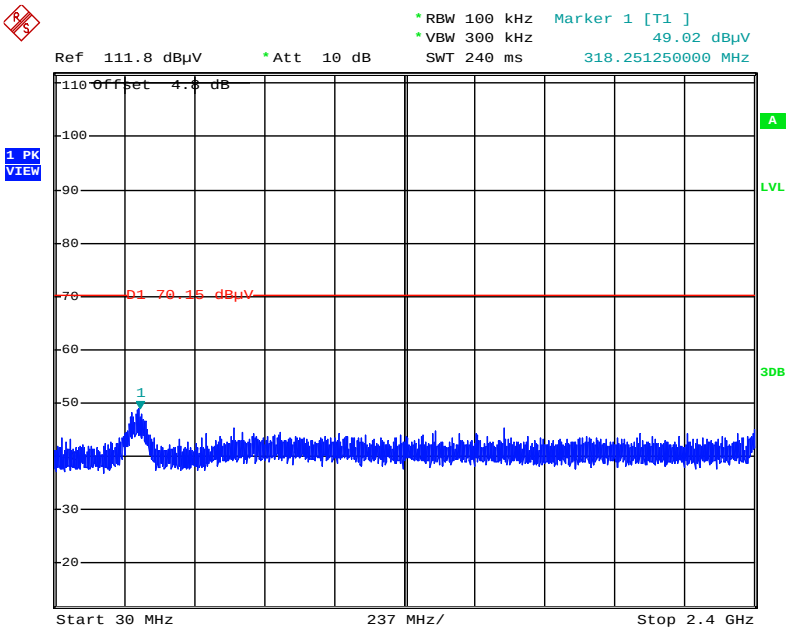
Date: 26.SEP.2014 18:25:08

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 3 / 2500MHz~26500MHz (down 30dBc)



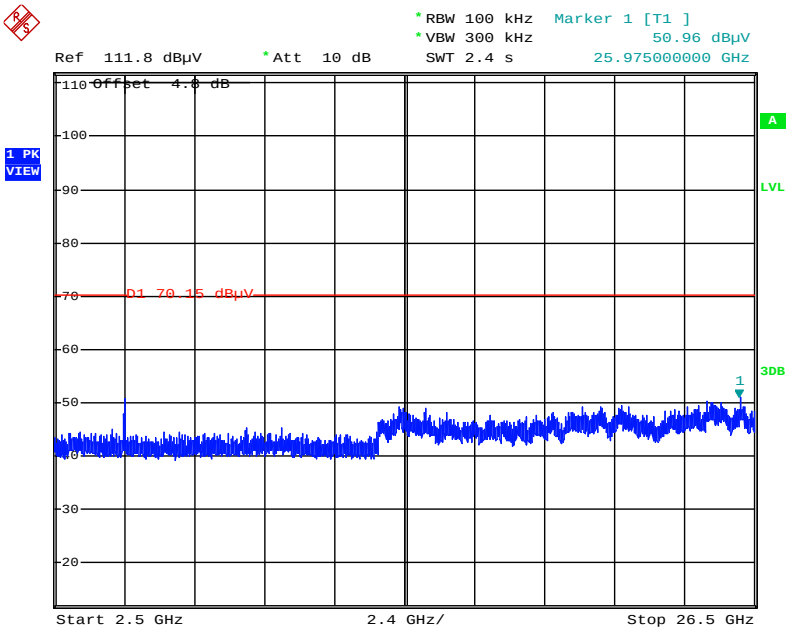
Date: 26.SEP.2014 18:26:49

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 9 / 30MHz~2400MHz (down 30dBc)



Date: 26.SEP.2014 18:29:18

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 9 / 2500MHz~26500MHz (down 30dBc)



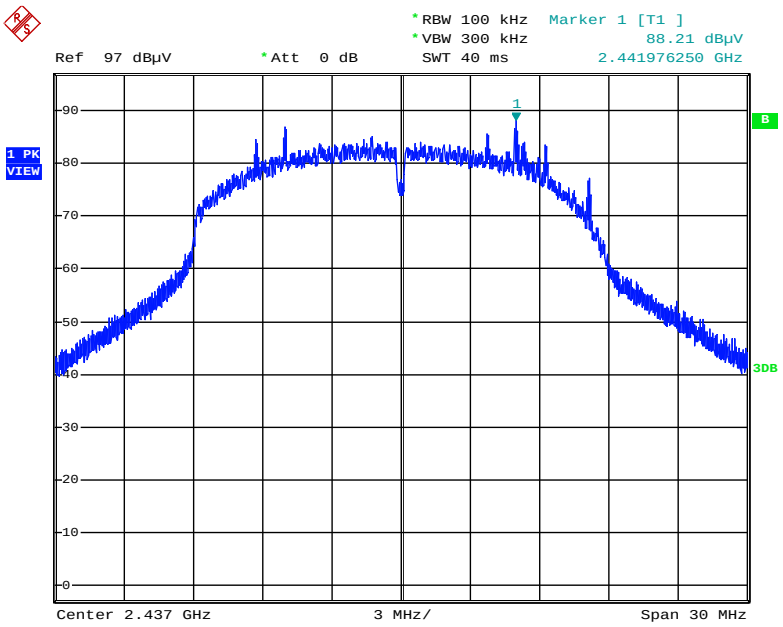
Date: 26.SEP.2014 18:31:30

Mode 2 (Ant.3 Panel antenna / 14dBi)

For Beamforming Mode

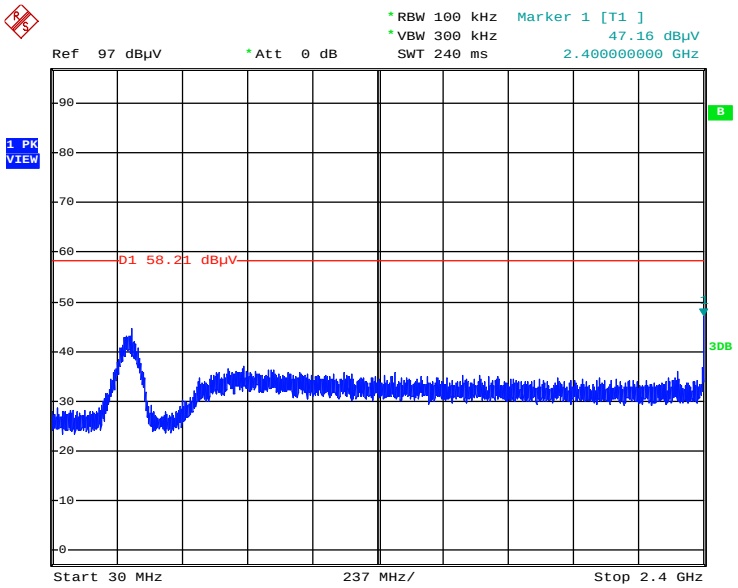
For 2TX

Plot on Configuration IEEE 802.11n MCS0 HT20 / Reference Level



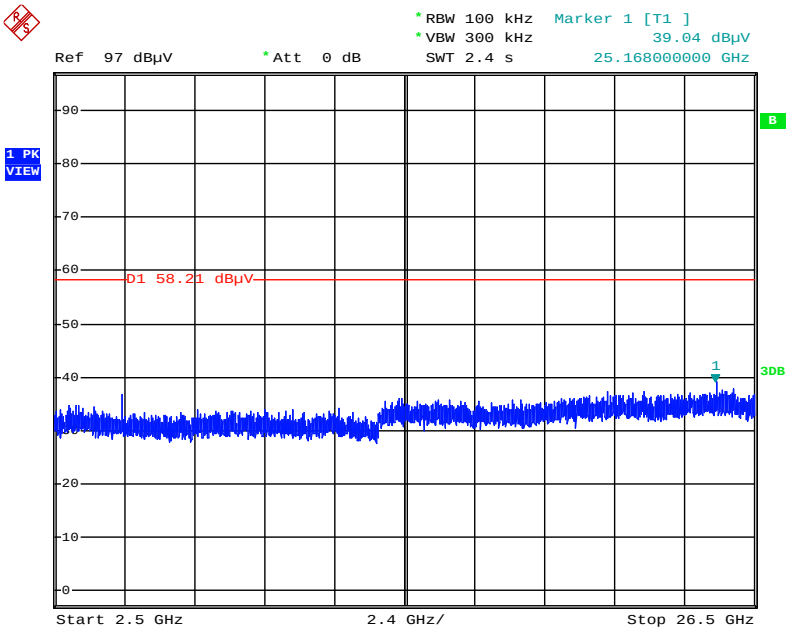
Date: 2.OCT.2014 22:12:13

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 1 / 30MHz~2400MHz (down 30dBc)



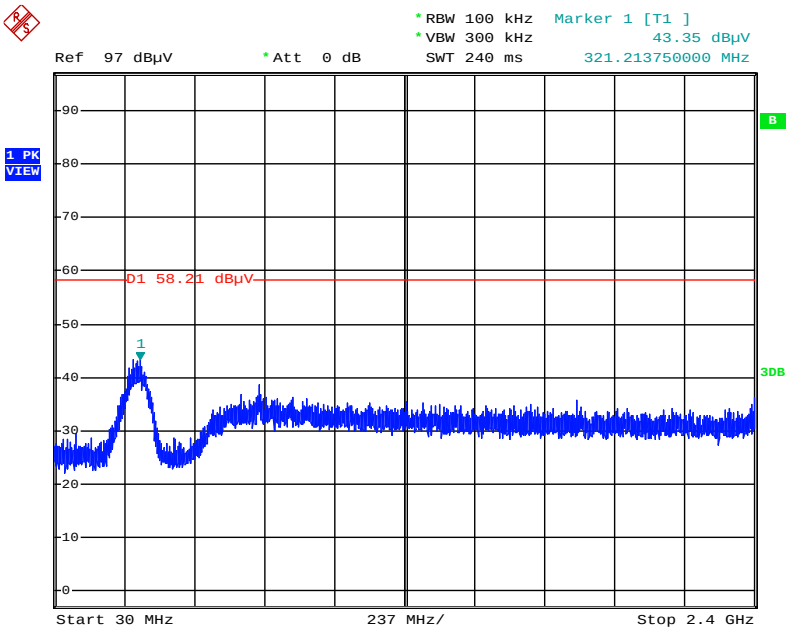
Date: 2.OCT.2014 22:13:43

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 1 / 2500MHz~26500MHz (down 30dBc)



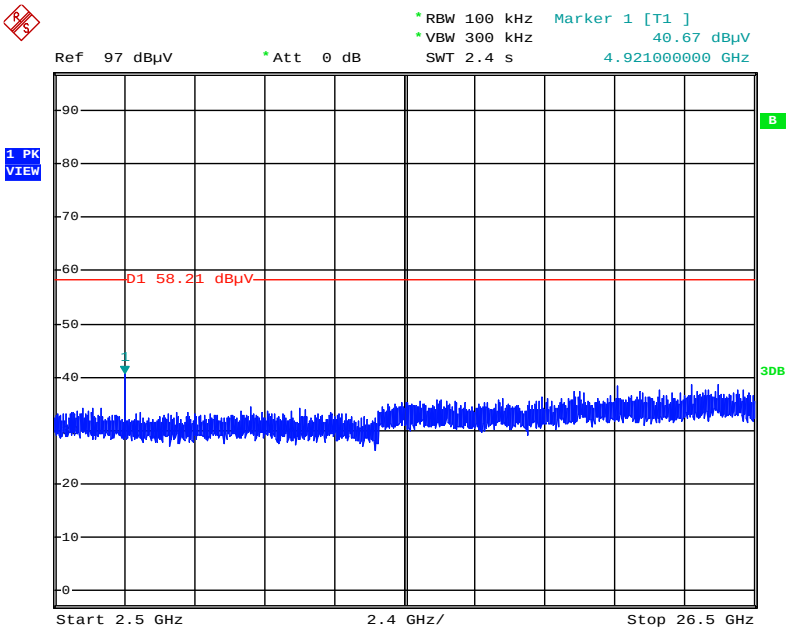
Date: 2.OCT.2014 22:14:40

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 11 / 30MHz~2400MHz (down 30dBc)



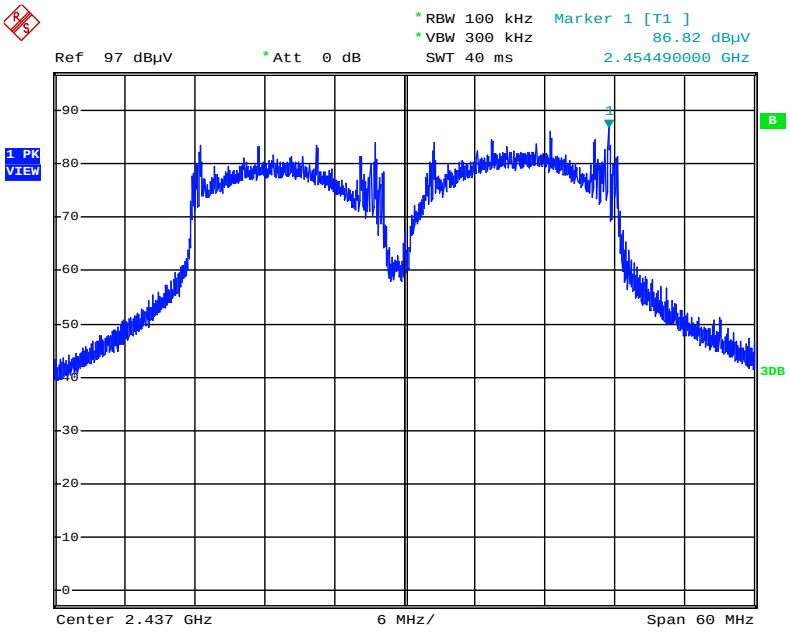
Date: 2.OCT.2014 22:16:40

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 11 / 2500MHz~26500MHz (down 30dBc)



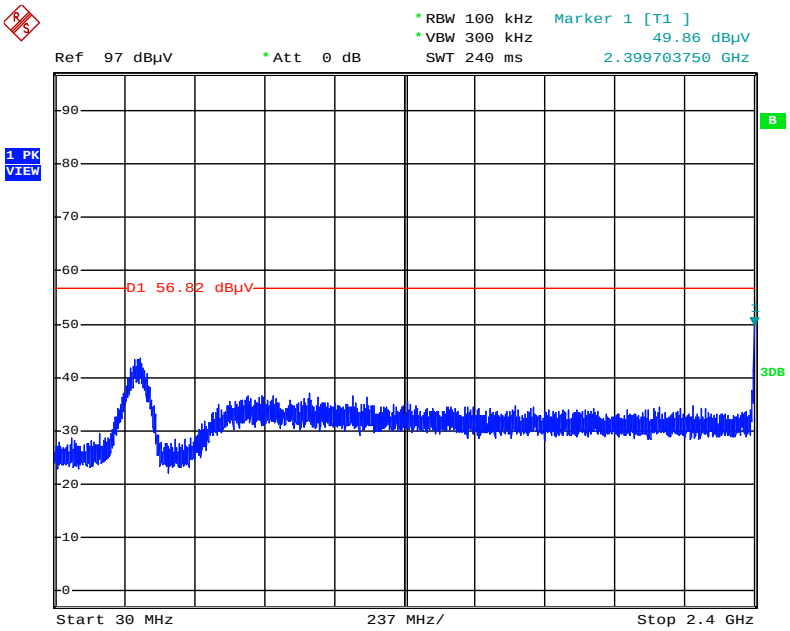
Date: 2.OCT.2014 22:16:10

Plot on Configuration IEEE 802.11n MCS0 HT40 / Reference Level



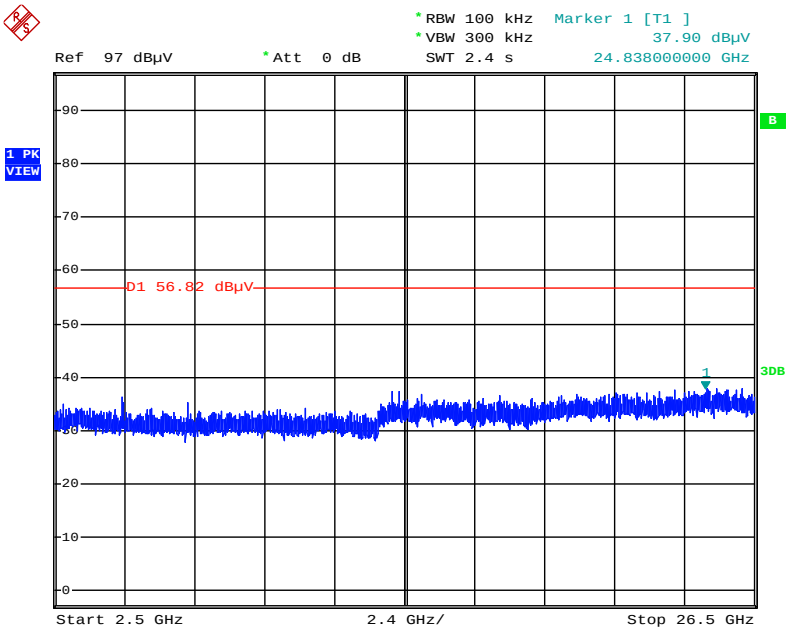
Date: 2.OCT.2014 22:18:07

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 3 / 30MHz~2400MHz (down 30dBc)



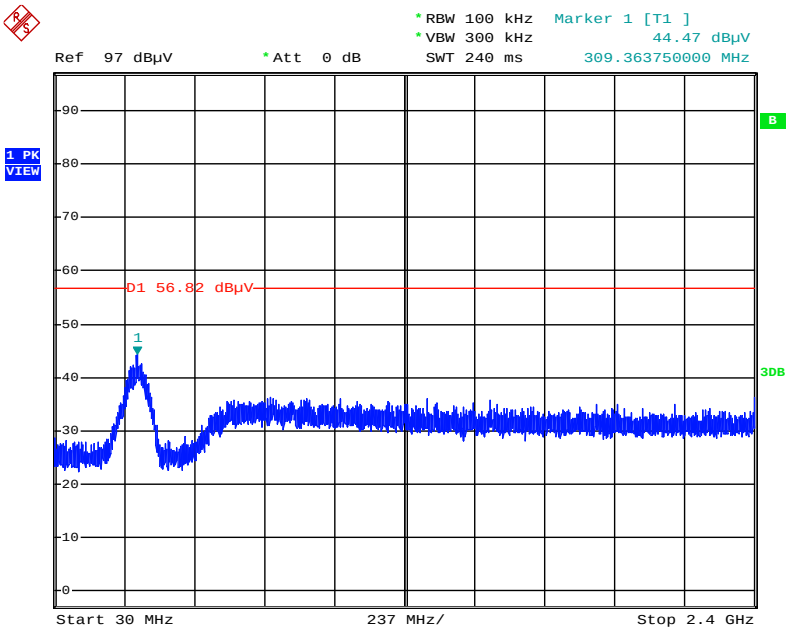
Date: 2.OCT.2014 22:19:19

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 3 / 2500MHz~26500MHz (down 30dBc)



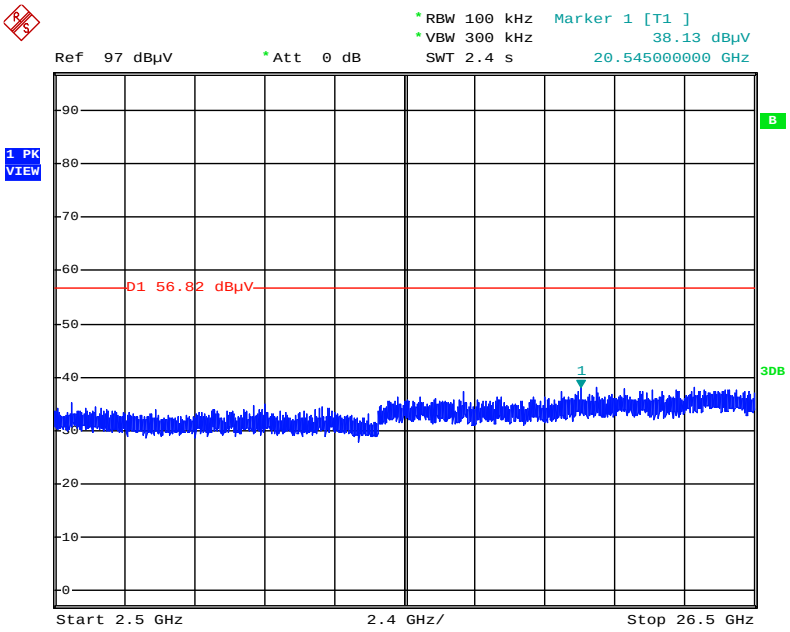
Date: 2.OCT.2014 22:20:15

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 9 / 30MHz~2400MHz (down 30dBc)



Date: 2.OCT.2014 22:21:50

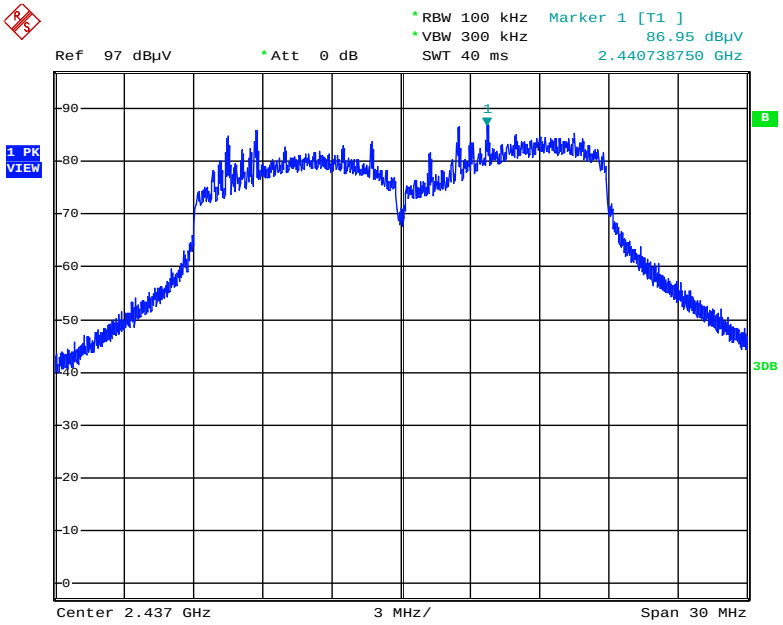
Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 9 / 2500MHz~26500MHz (down 30dBc)



Date: 2.OCT.2014 22:21:20

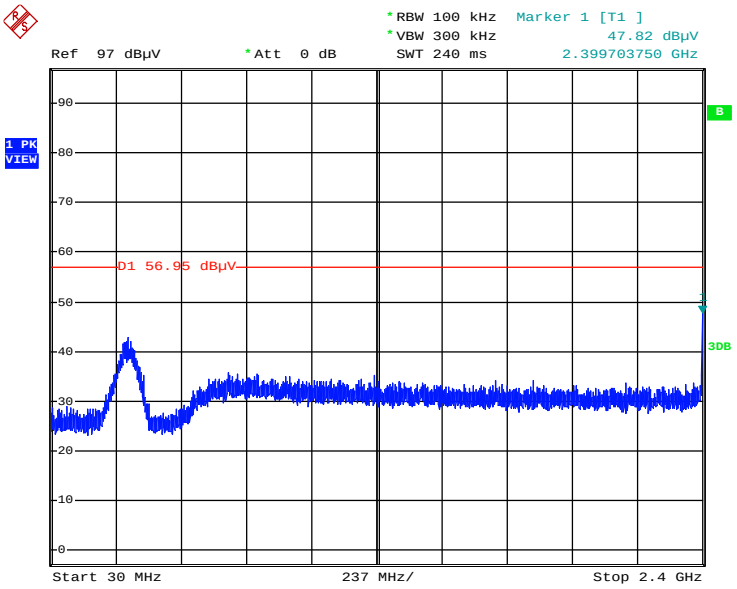
For 3TX

Plot on Configuration IEEE 802.11n MCS0 HT20 / Reference Level



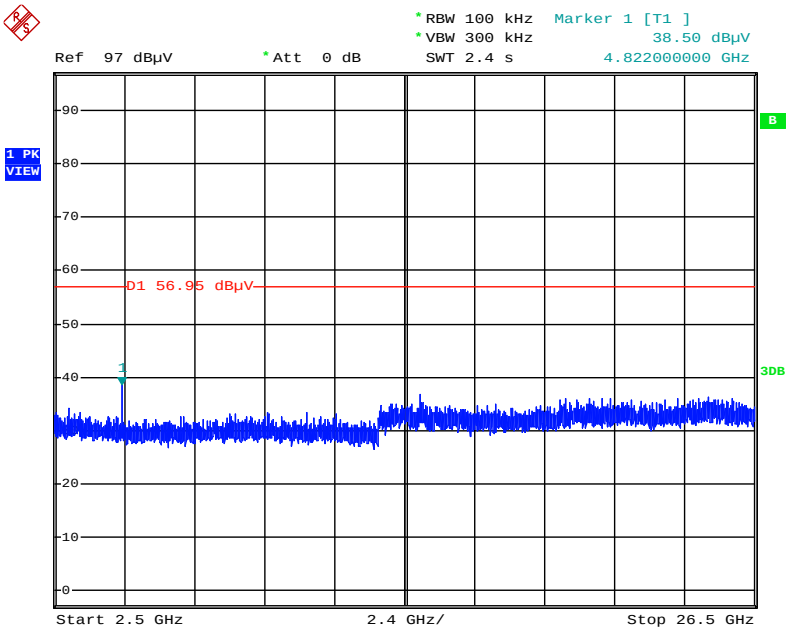
Date: 3.OCT.2014 00:02:26

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 1 / 30MHz~2400MHz (down 30dBc)



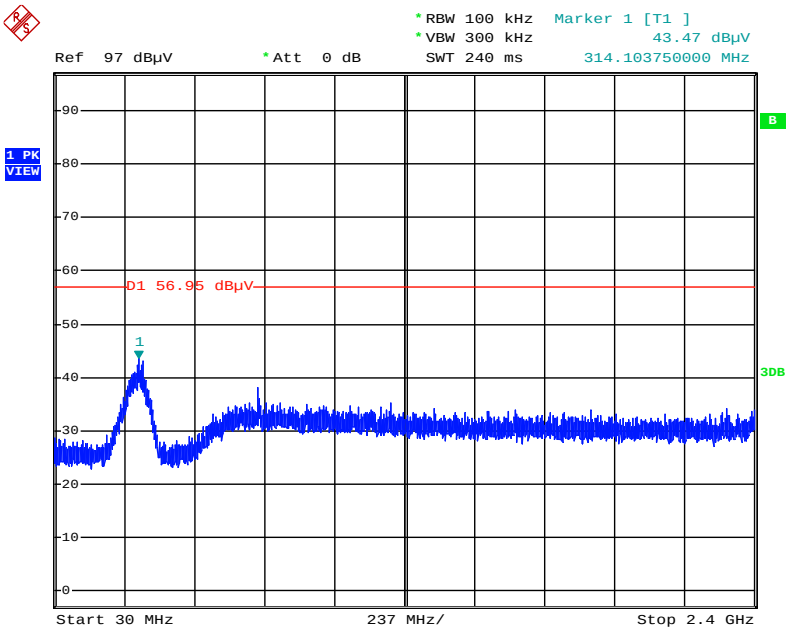
Date: 3.OCT.2014 00:03:57

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 1 / 2500MHz~26500MHz (down 30dBc)



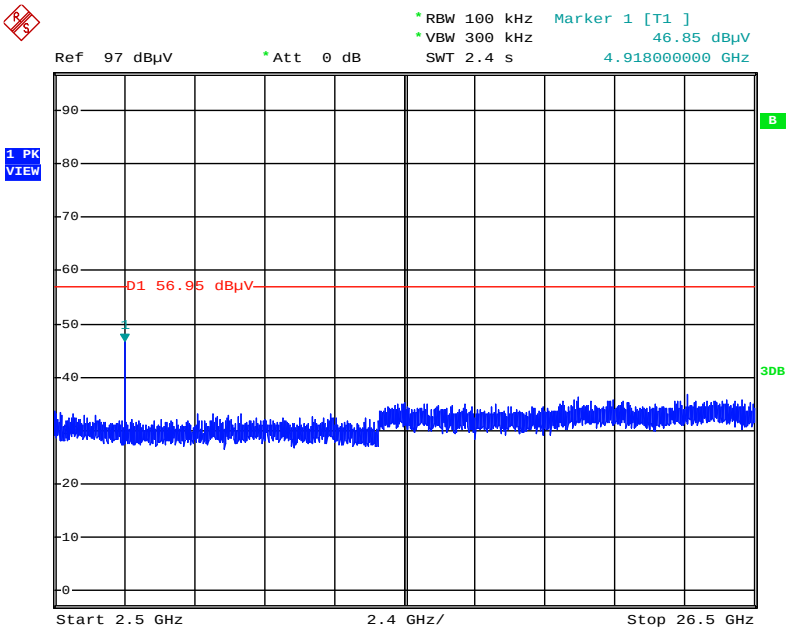
Date: 3.OCT.2014 00:04:43

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 11 / 30MHz~2400MHz (down 30dBc)



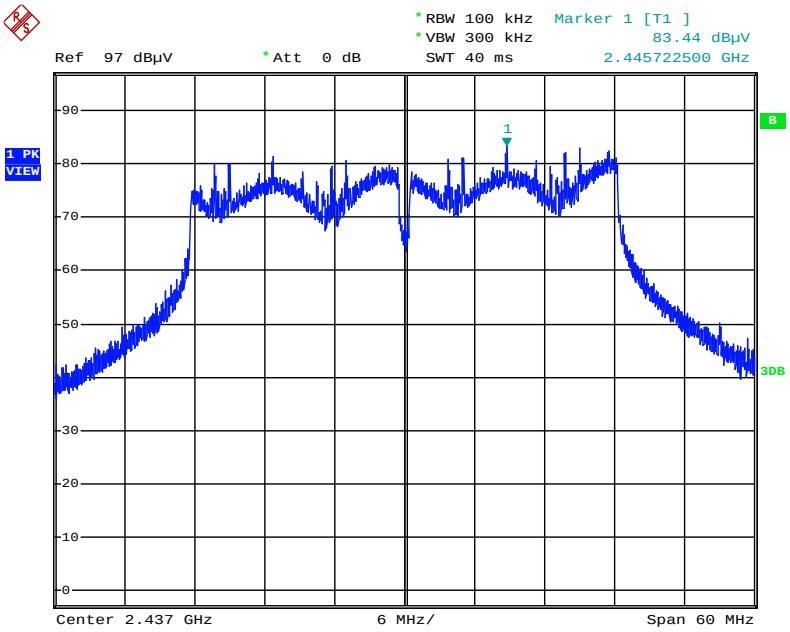
Date: 3.OCT.2014 00:06:38

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 11 / 2500MHz~26500MHz (down 30dBc)



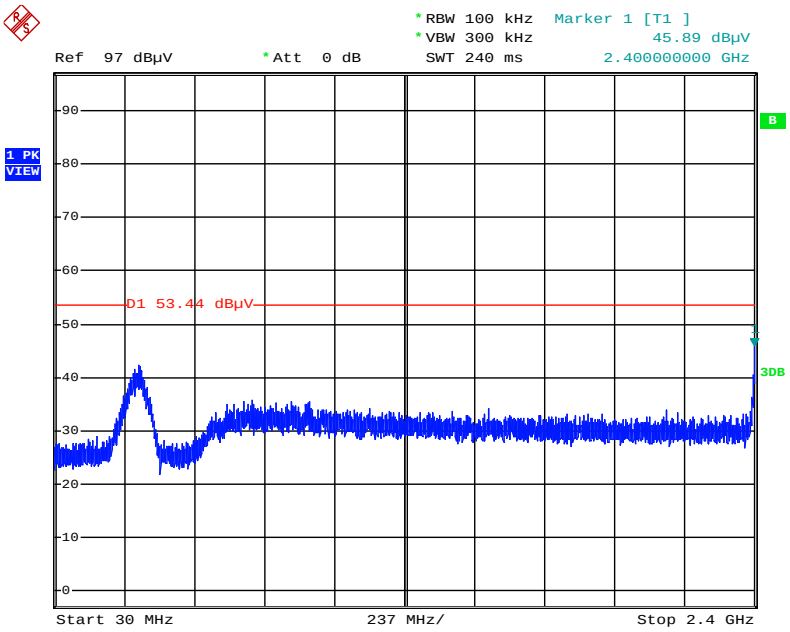
Date: 3.OCT.2014 00:06:03

Plot on Configuration IEEE 802.11n MCS0 HT40 / Reference Level



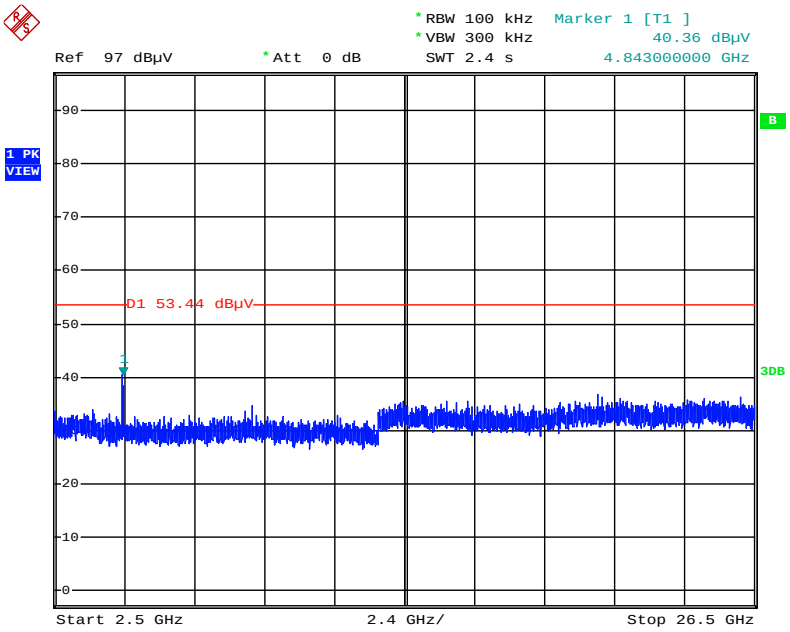
Date: 3.OCT.2014 00:08:08

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 3 / 30MHz~2400MHz (down 30dBc)



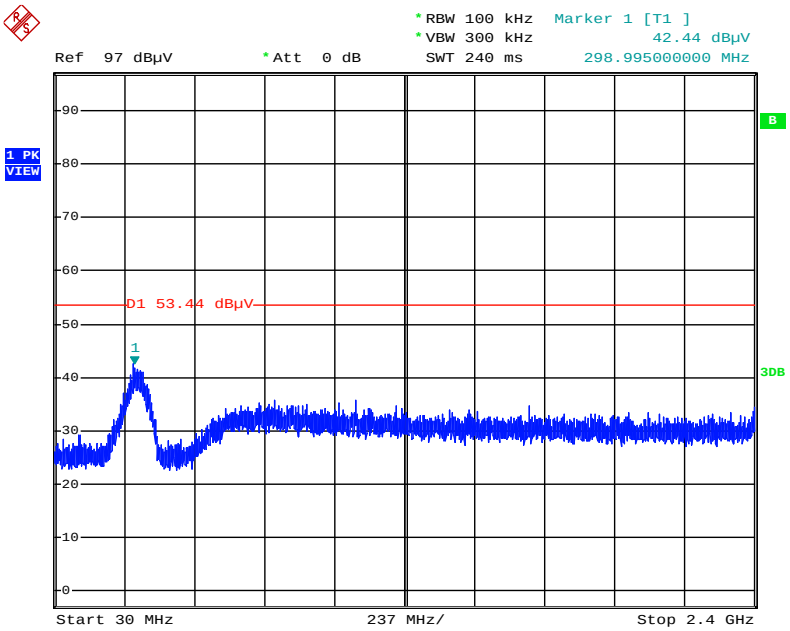
Date: 3.OCT.2014 00:09:45

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 3 / 2500MHz~26500MHz (down 30dBc)



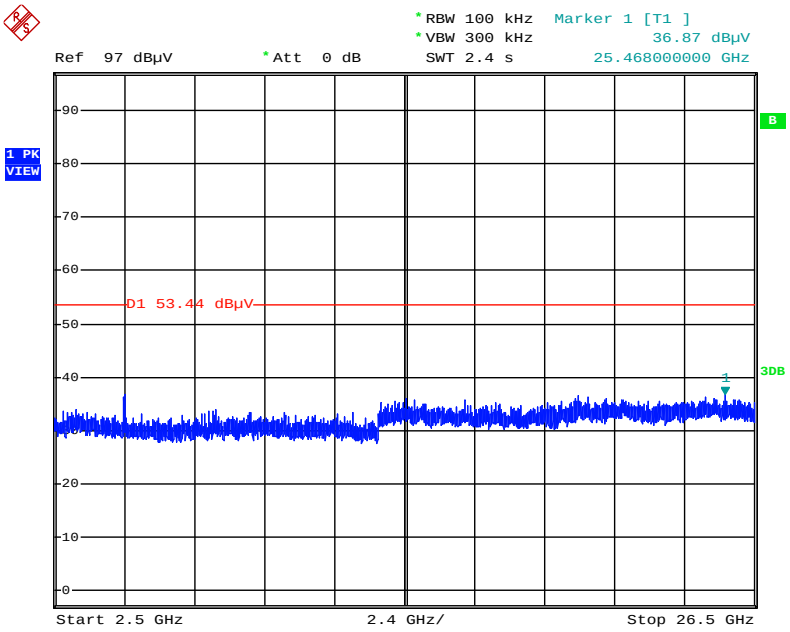
Date: 3.OCT.2014 00:10:24

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 9 / 30MHz~2400MHz (down 30dBc)



Date: 3.OCT.2014 00:12:23

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 9 / 2500MHz~26500MHz (down 30dBc)



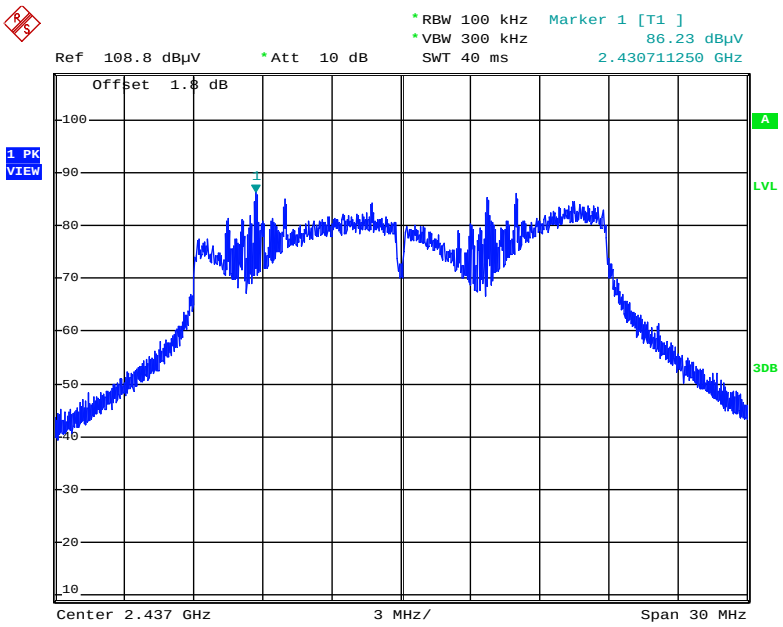
Date: 3.OCT.2014 00:11:50

Mode 3 (Ant.32 3-Port Dual-Band Directional Panel antenna / Chain 1: 8, Chain 2: 5.1, Chain 3: 8.2dBi)

For Beamforming Mode

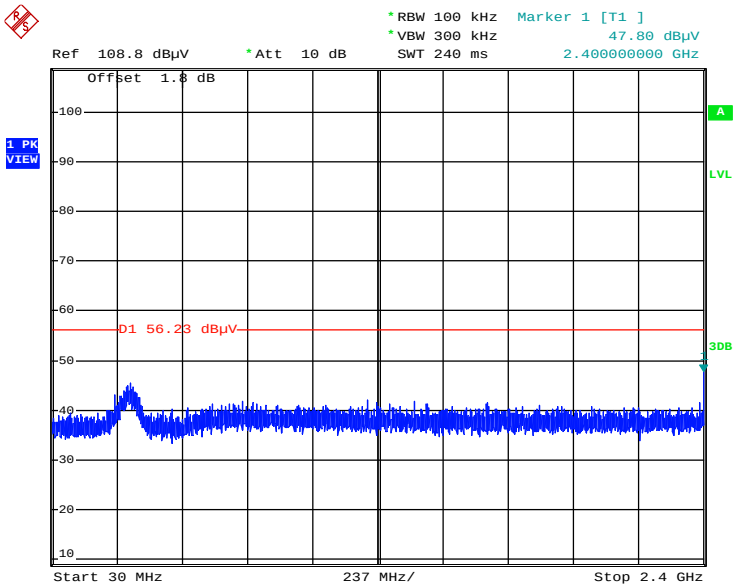
For 3TX

Plot on Configuration IEEE 802.11n MCS0 HT20 / Reference Level



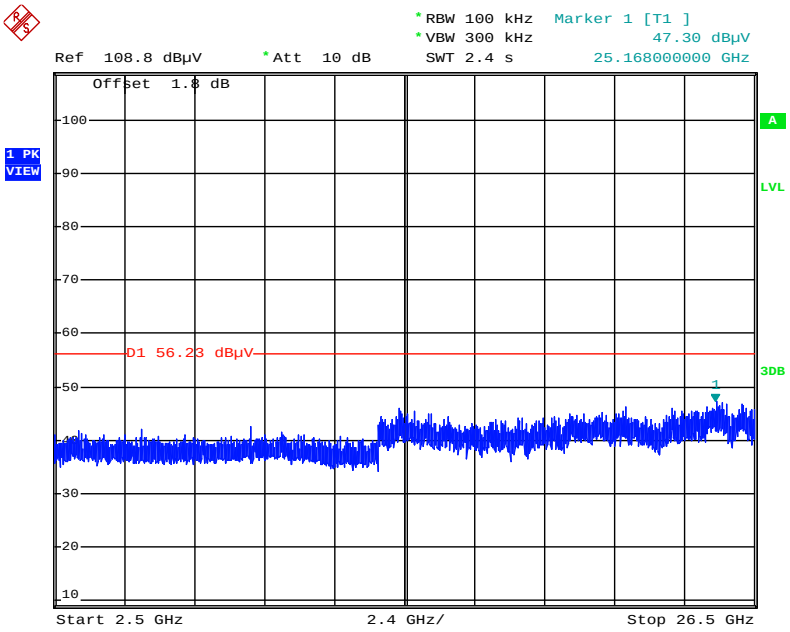
Date: 25.SEP.2014 22:06:52

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 1 / 30MHz~2400MHz (down 30dBc)



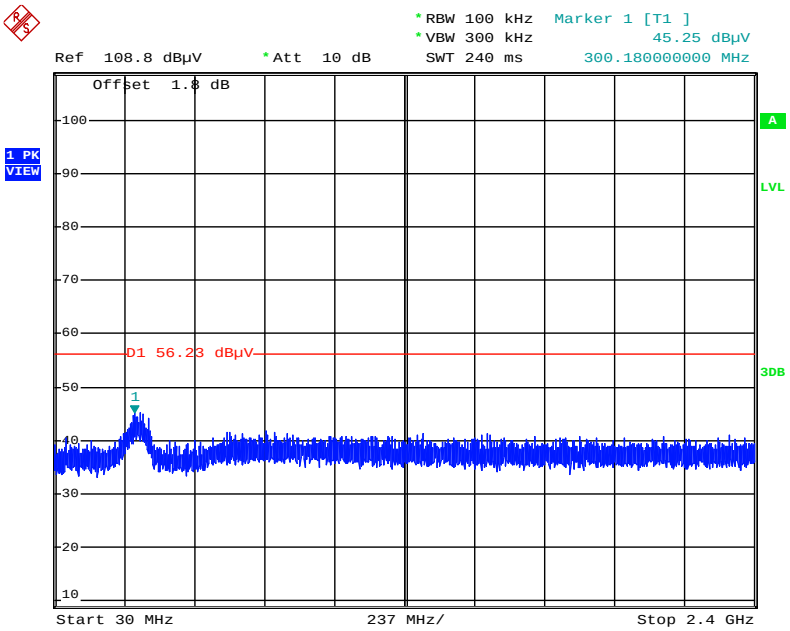
Date: 25.SEP.2014 22:07:50

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 1 / 2500MHz~26500MHz (down 30dBc)



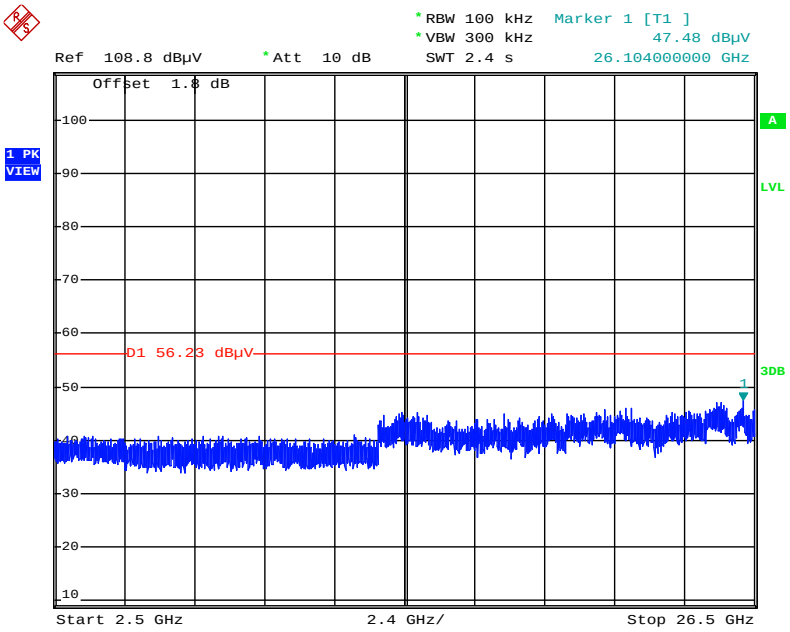
Date: 25.SEP.2014 22:09:56

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 11 / 30MHz~2400MHz (down 30dBc)



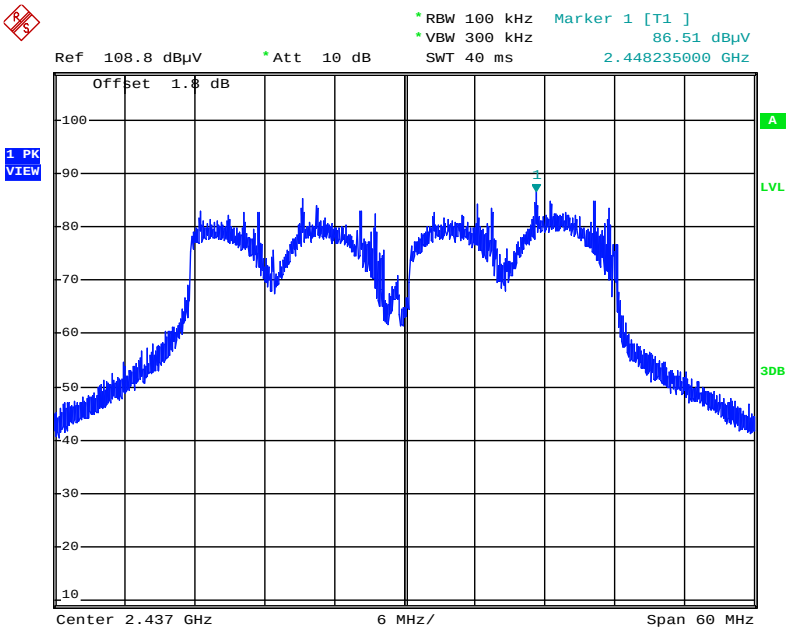
Date: 25.SEP.2014 22:11:23

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 11 / 2500MHz~26500MHz (down 30dBc)



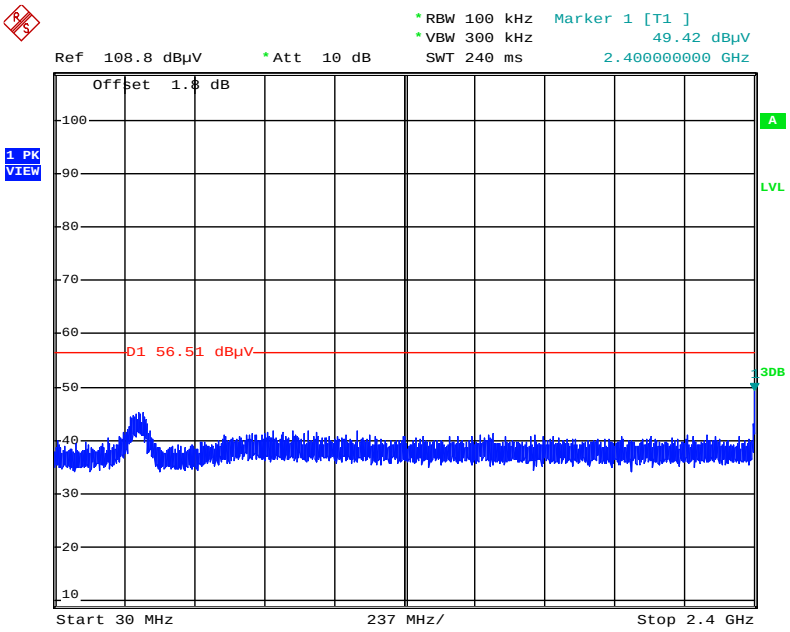
Date: 25.SEP.2014 22:10:57

Plot on Configuration IEEE 802.11n MCS0 HT40 / Reference Level



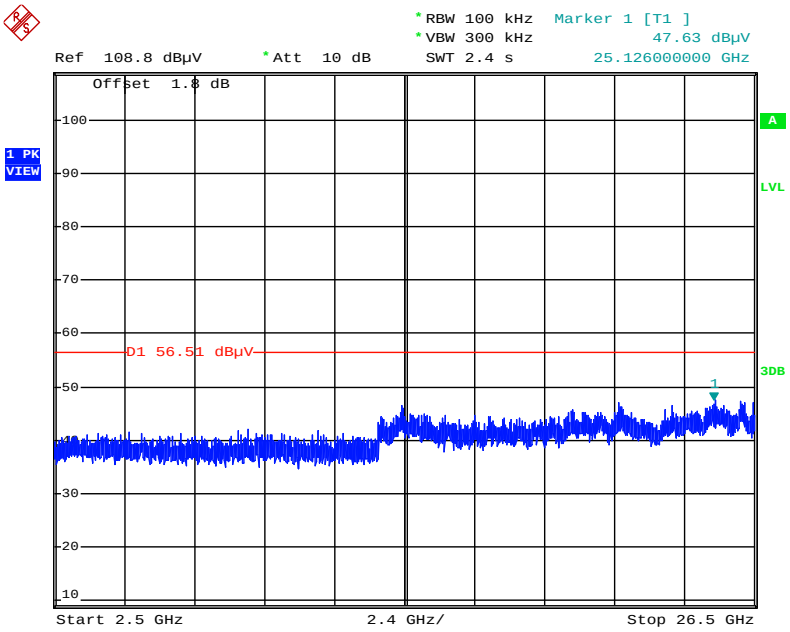
Date: 25.SEP.2014 22:12:35

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 3 / 30MHz~2400MHz (down 30dBc)



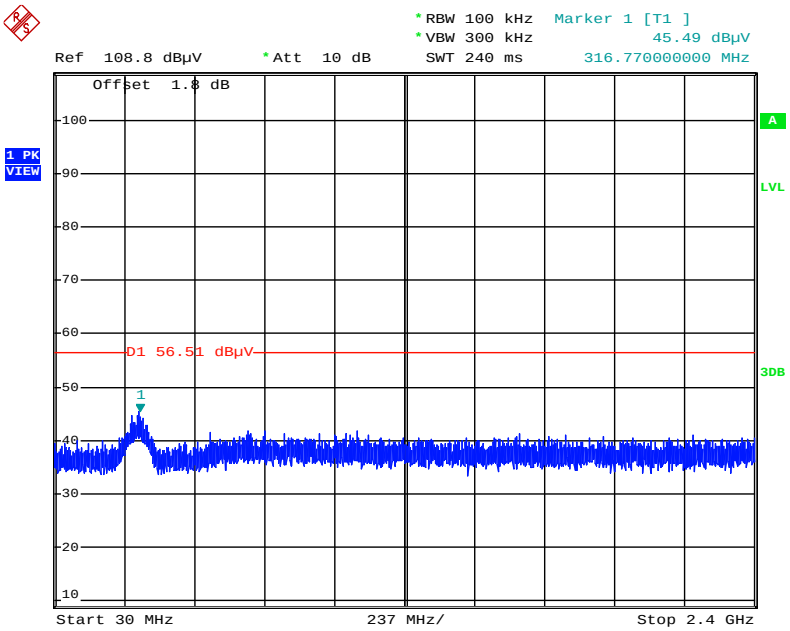
Date: 25.SEP.2014 22:13:28

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 3 / 2500MHz~26500MHz (down 30dBc)



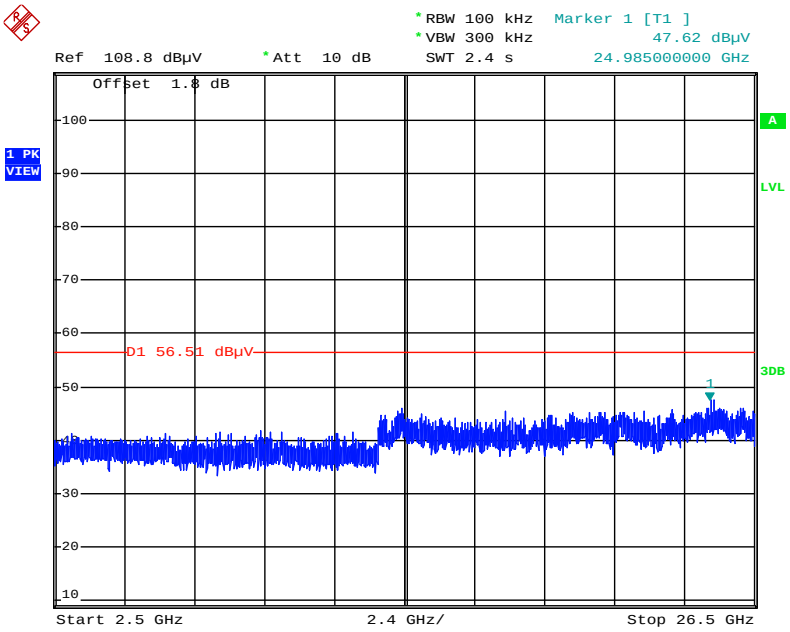
Date: 25.SEP.2014 22:13:58

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 9 / 30MHz~2400MHz (down 30dBc)



Date: 25.SEP.2014 22:14:58

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 9 / 2500MHz~26500MHz (down 30dBc)

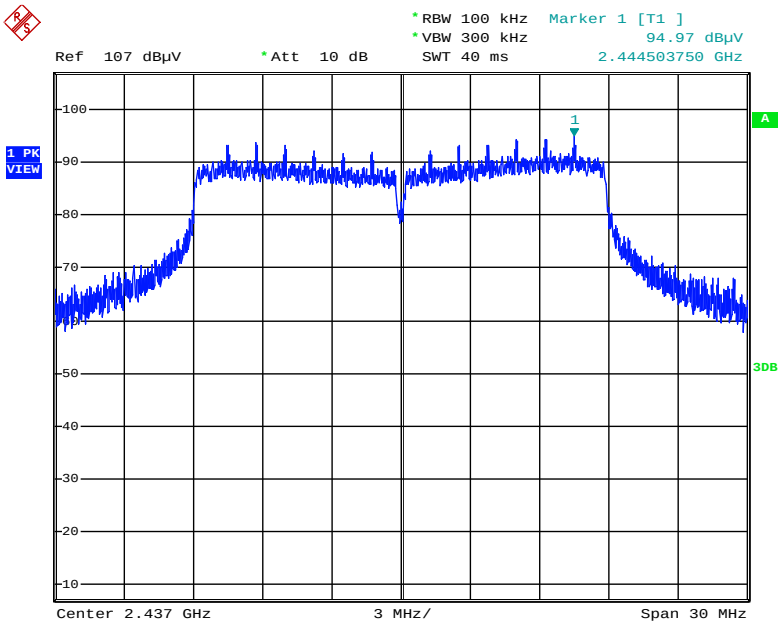


Date: 25.SEP.2014 22:14:31

For Non-Beamforming Mode

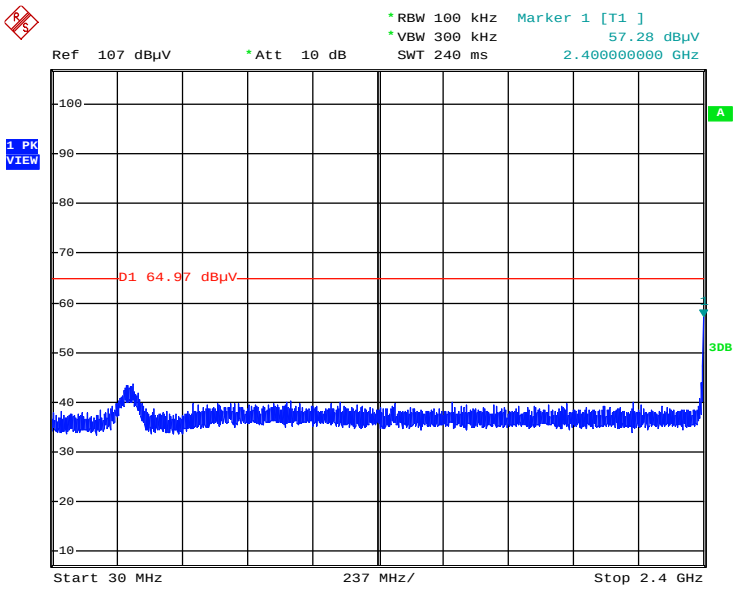
For 1TX

Plot on Configuration IEEE 802.11n MCS0 HT20 / Reference Level



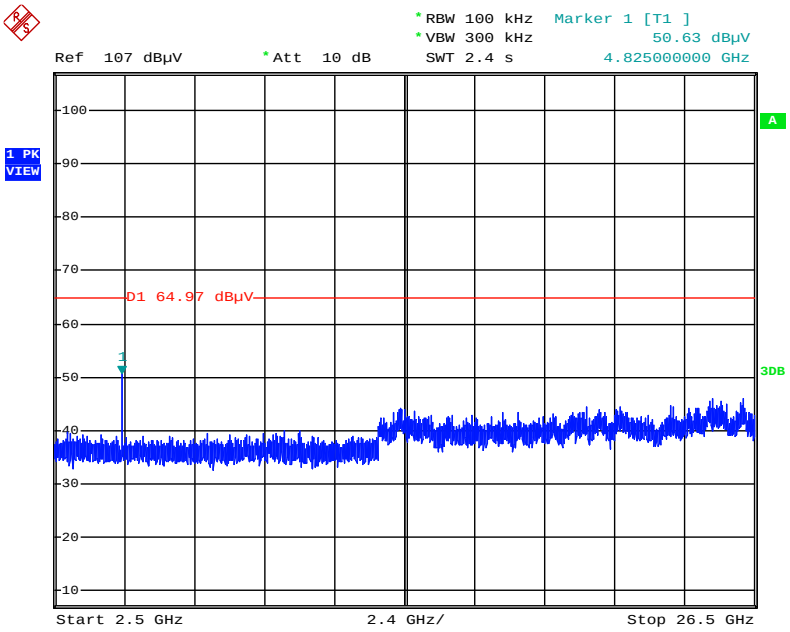
Date: 25.SEP.2014 20:59:31

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 1 / 30MHz~2400MHz (down 30dBc)



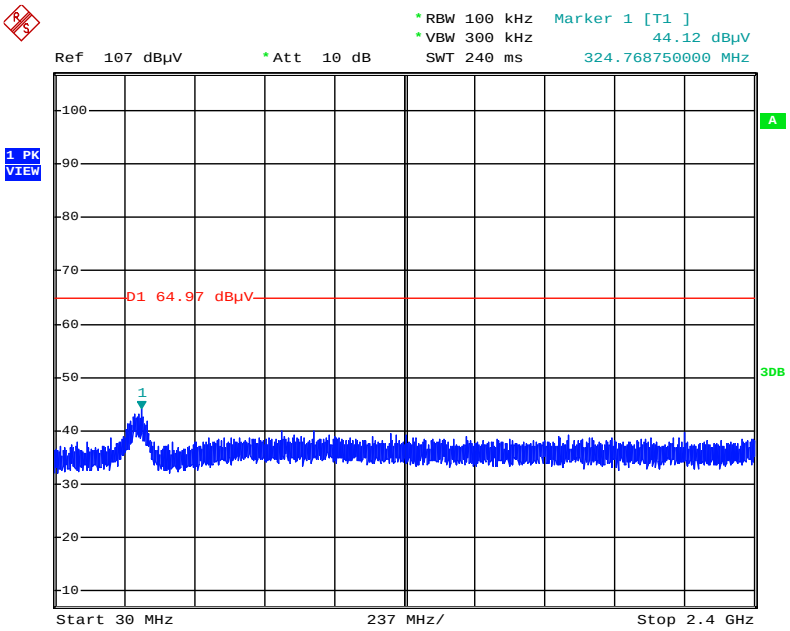
Date: 25.SEP.2014 21:01:05

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 1 / 2500MHz~26500MHz (down 30dBc)



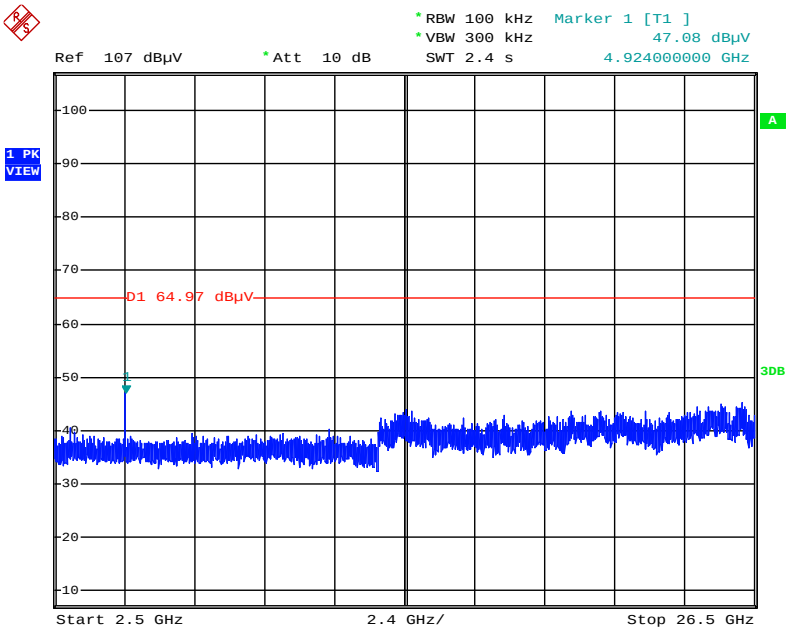
Date: 25.SEP.2014 21:01:35

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 11 / 30MHz~2400MHz (down 30dBc)



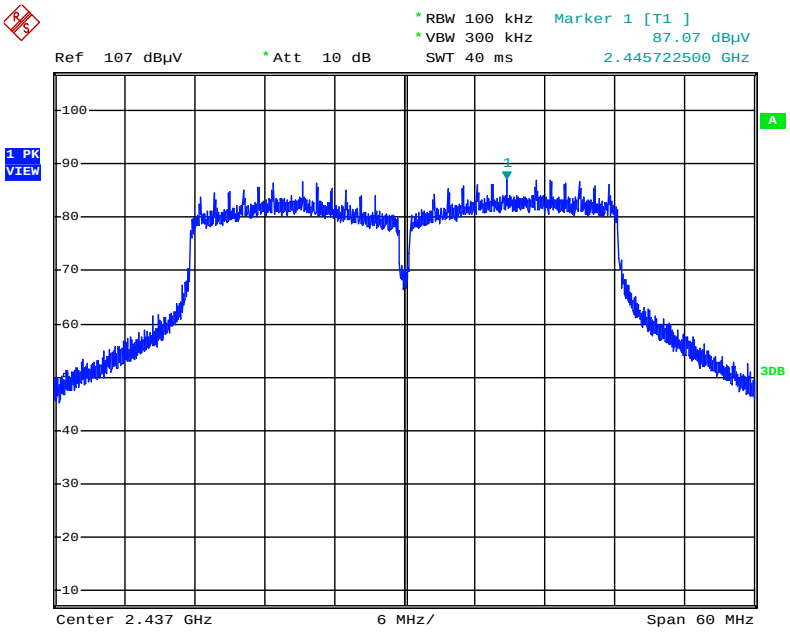
Date: 25.SEP.2014 21:02:46

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 11 / 2500MHz~26500MHz (down 30dBc)



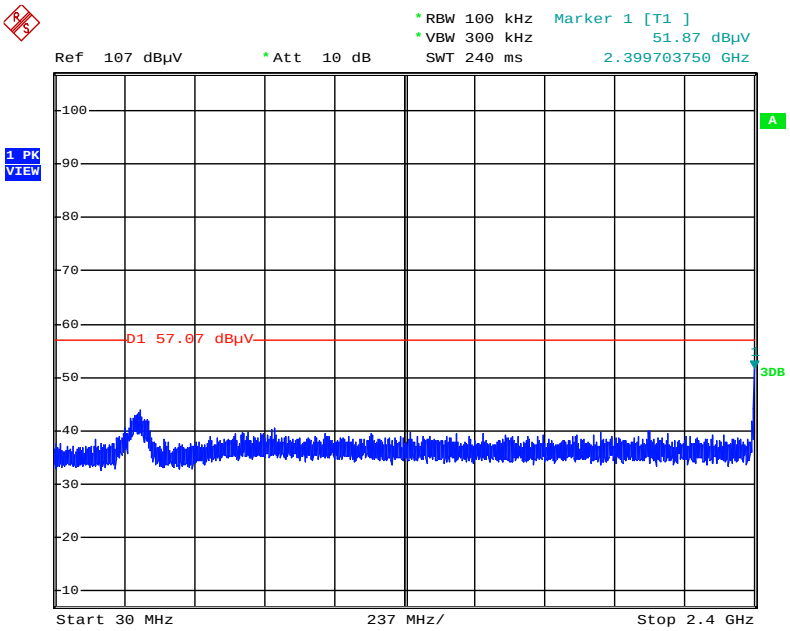
Date: 25.SEP.2014 21:02:15

Plot on Configuration IEEE 802.11n MCS0 HT40 / Reference Level



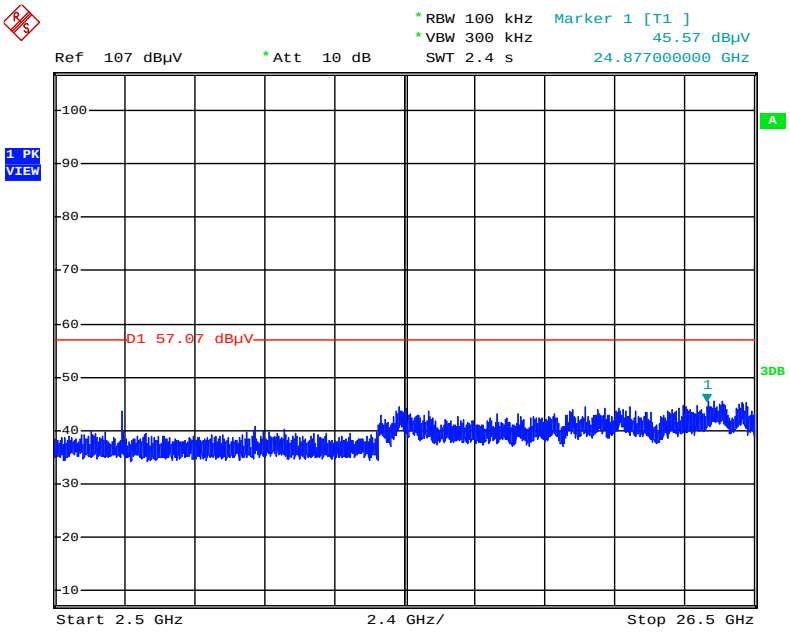
Date: 25.SEP.2014 21:09:17

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 3 / 30MHz~2400MHz (down 30dBc)



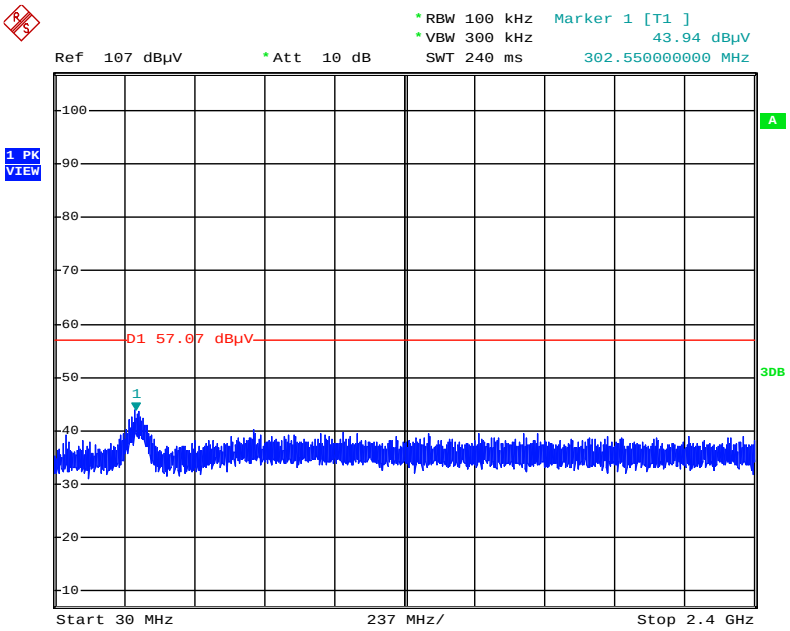
Date: 25.SEP.2014 21:10:33

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 3 / 2500MHz~26500MHz (down 30dBc)



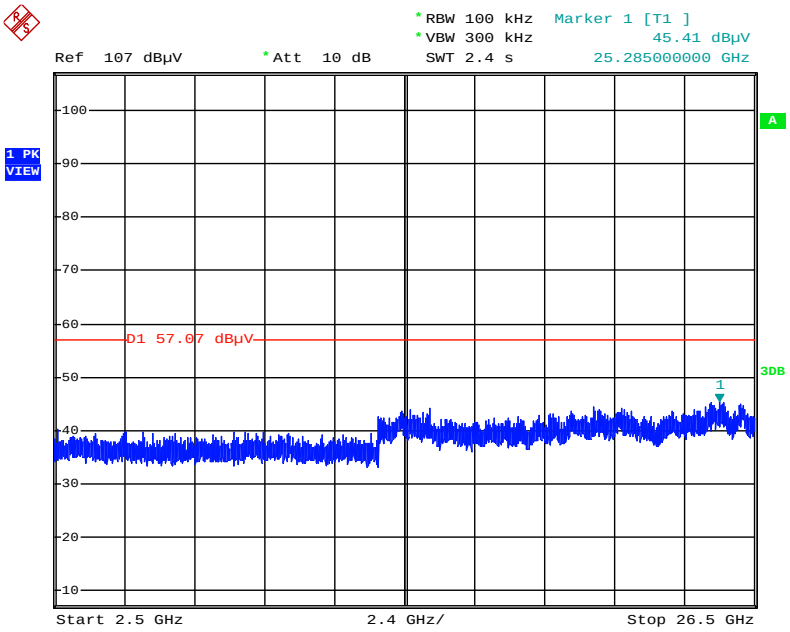
Date: 25.SEP.2014 21:11:16

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 9 / 30MHz~2400MHz (down 30dBc)



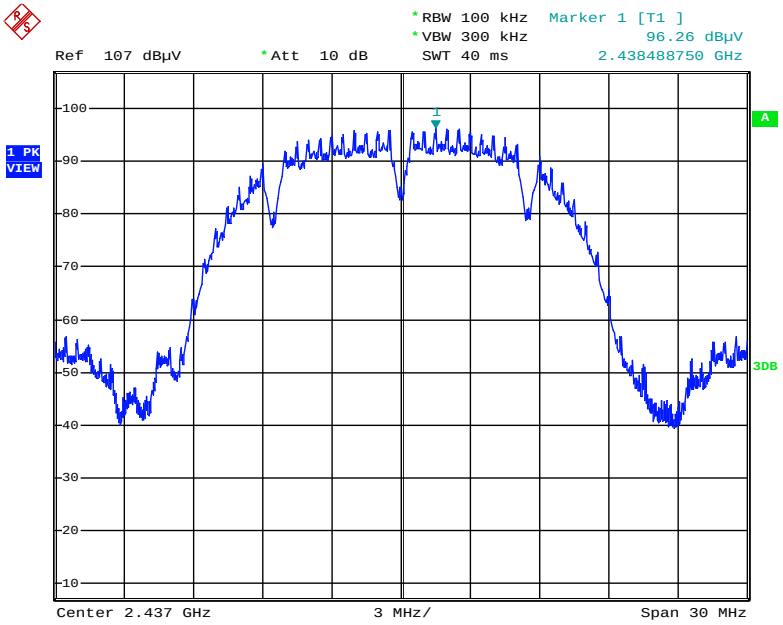
Date: 25.SEP.2014 21:12:18

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 9 / 2500MHz~26500MHz (down 30dBc)



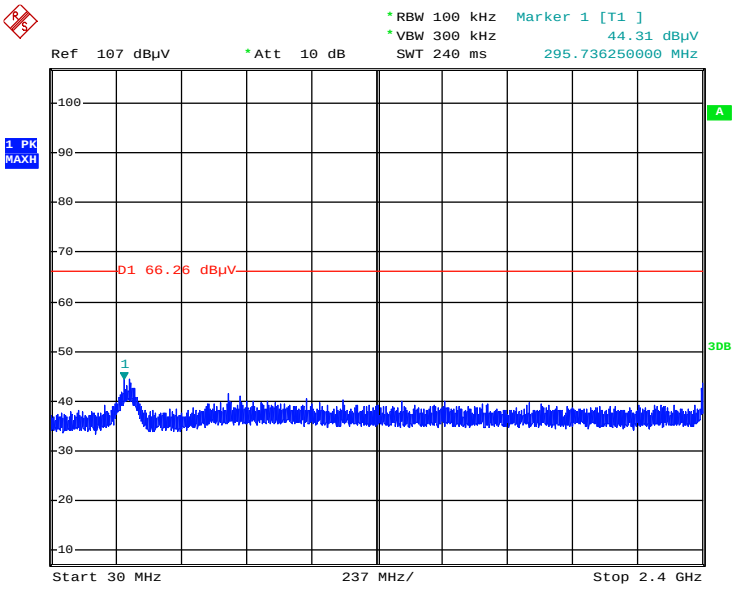
Date: 25.SEP.2014 21:11:54

Plot on Configuration IEEE 802.11b / Reference Level



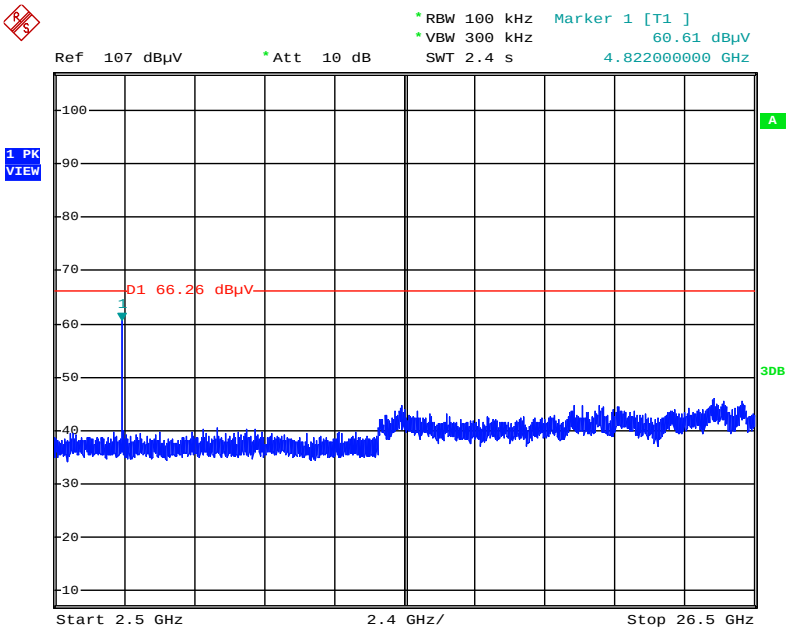
Date: 25.SEP.2014 20:45:31

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



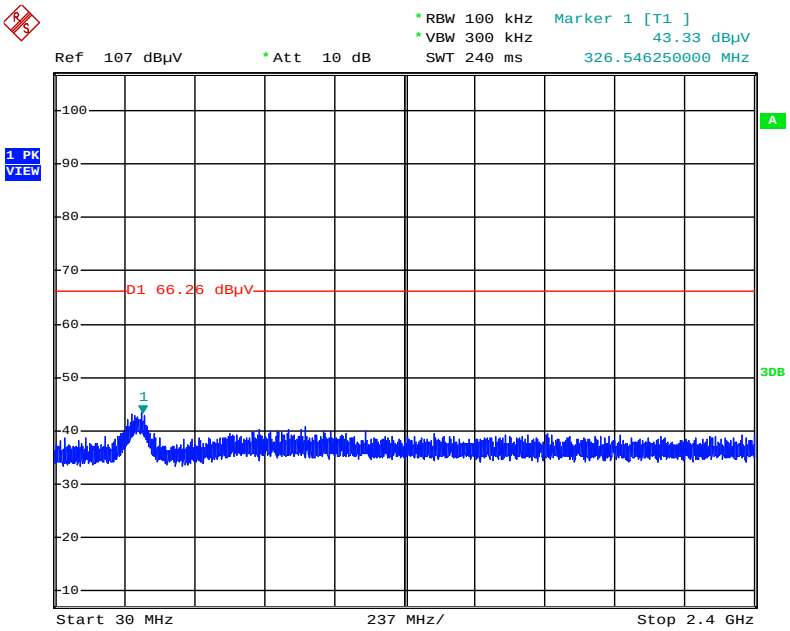
Date: 25.SEP.2014 20:48:41

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



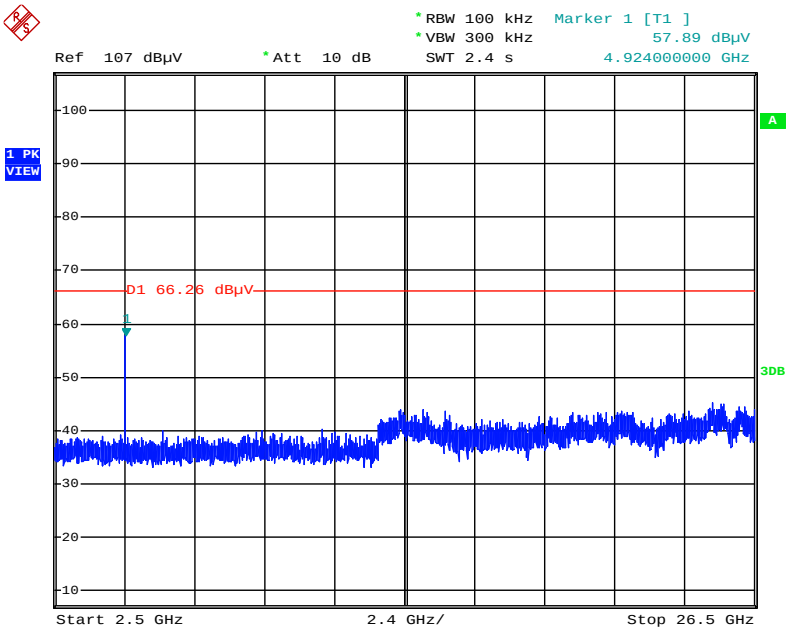
Date: 25.SEP.2014 20:49:34

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



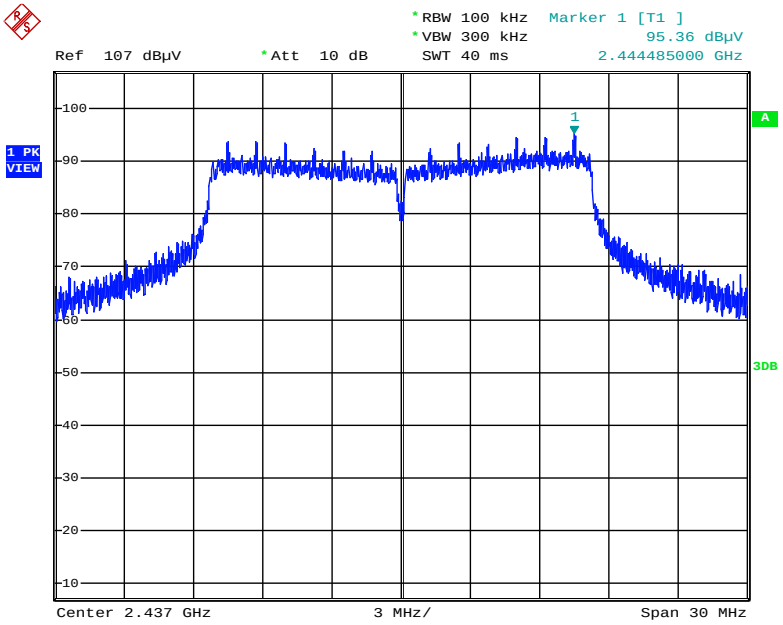
Date: 25.SEP.2014 20:51:33

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



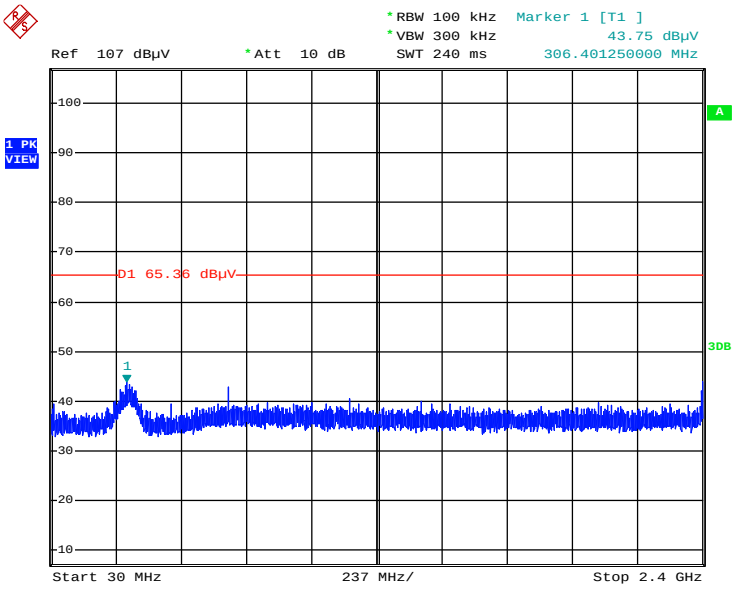
Date: 25.SEP.2014 20:50:58

Plot on Configuration IEEE 802.11g / Reference Level



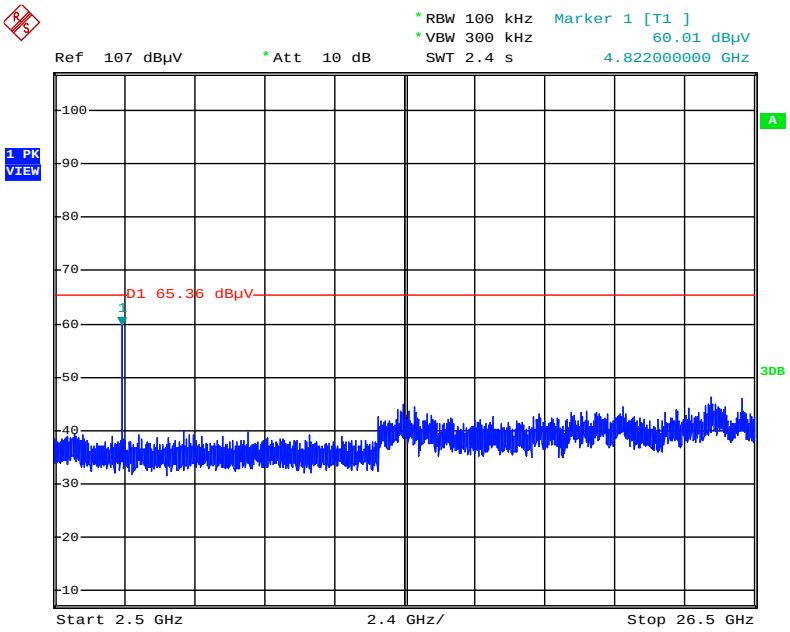
Date: 25.SEP.2014 20:54:17

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



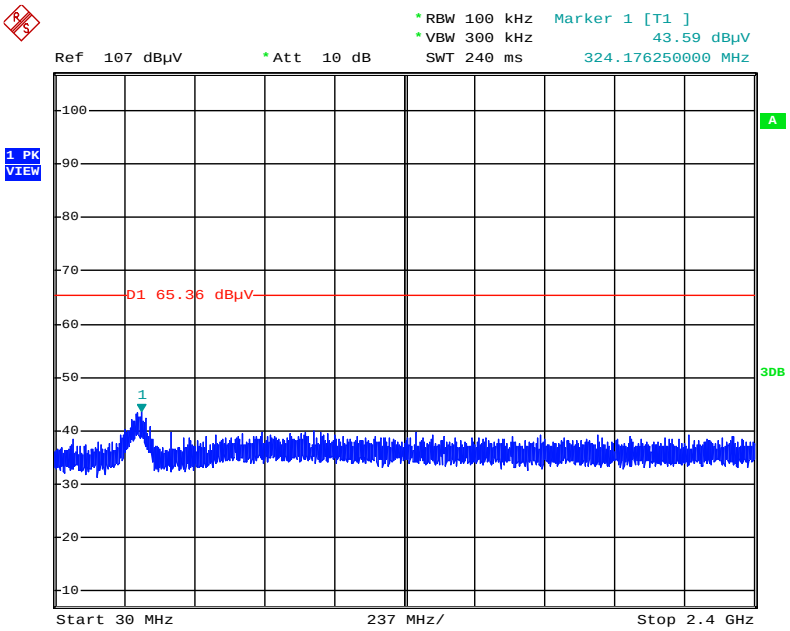
Date: 25.SEP.2014 20:55:22

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



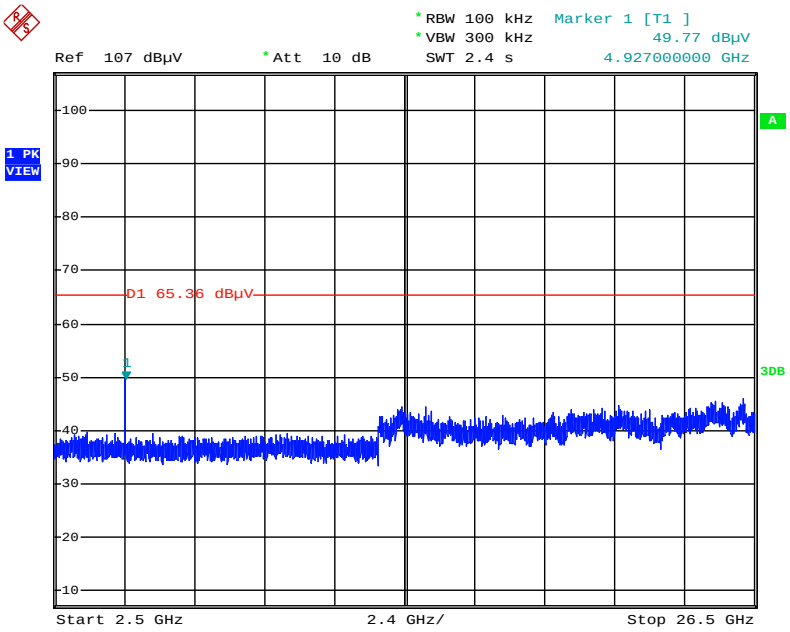
Date: 25.SEP.2014 20:56:01

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



Date: 25.SEP.2014 20:57:26

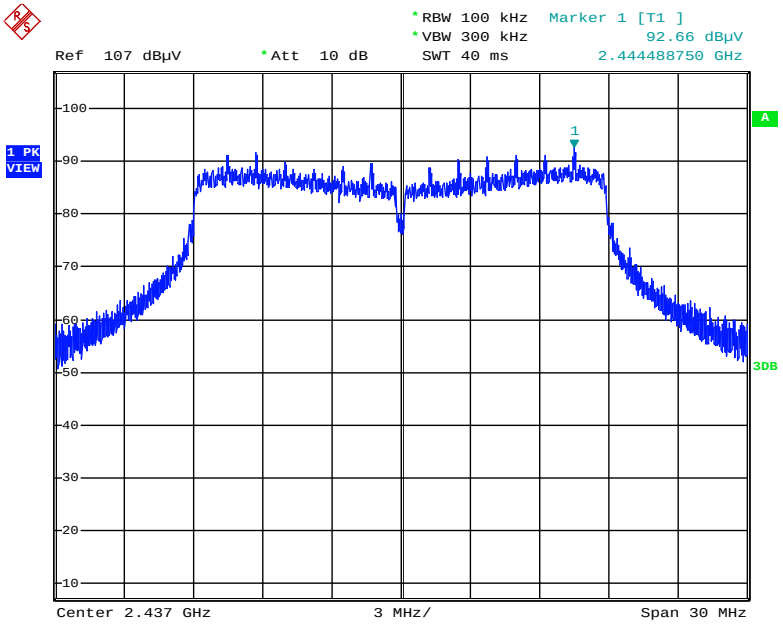
Plot on Configuration IEEE 802.11g / CH 11 / 2500MHz~26500MHz (down 30dBc)



Date: 25.SEP.2014 20:56:59

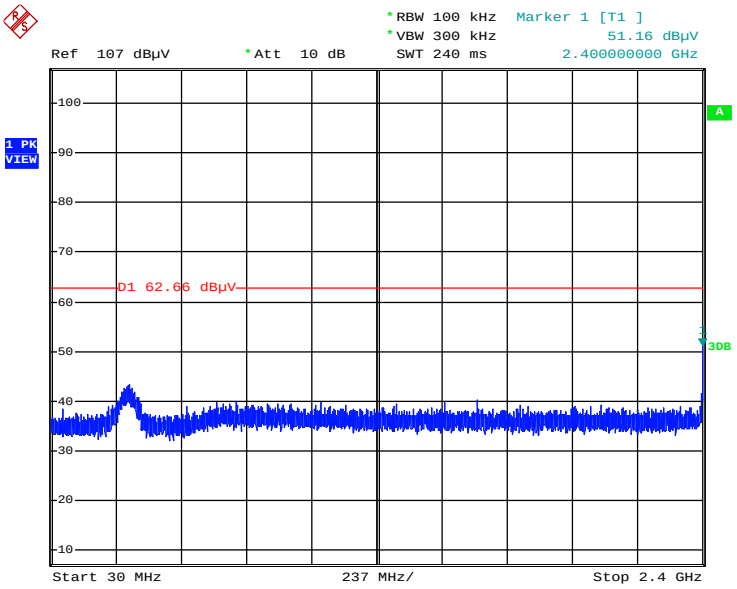
For 2TX

Plot on Configuration IEEE 802.11n MCS0 HT20 / Reference Level



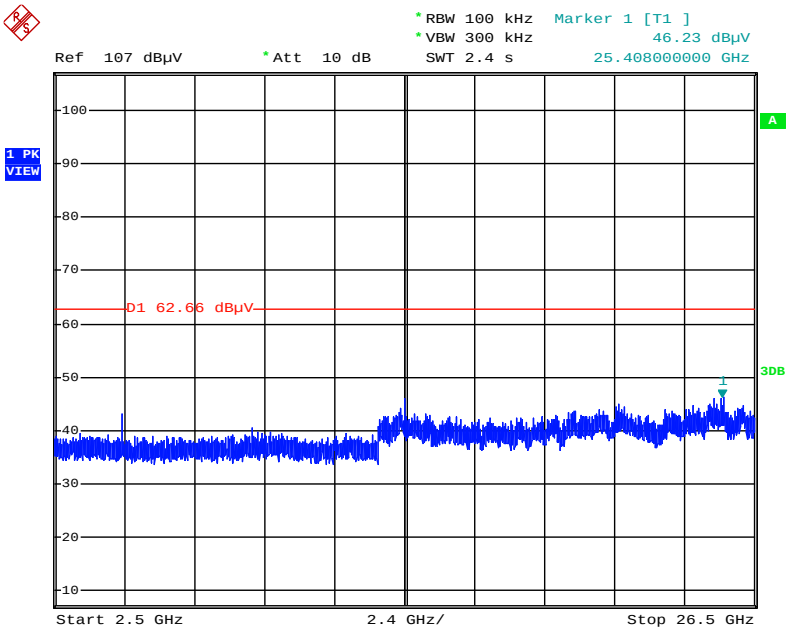
Date: 25.SEP.2014 21:25:18

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 1 / 30MHz~2400MHz (down 30dBc)



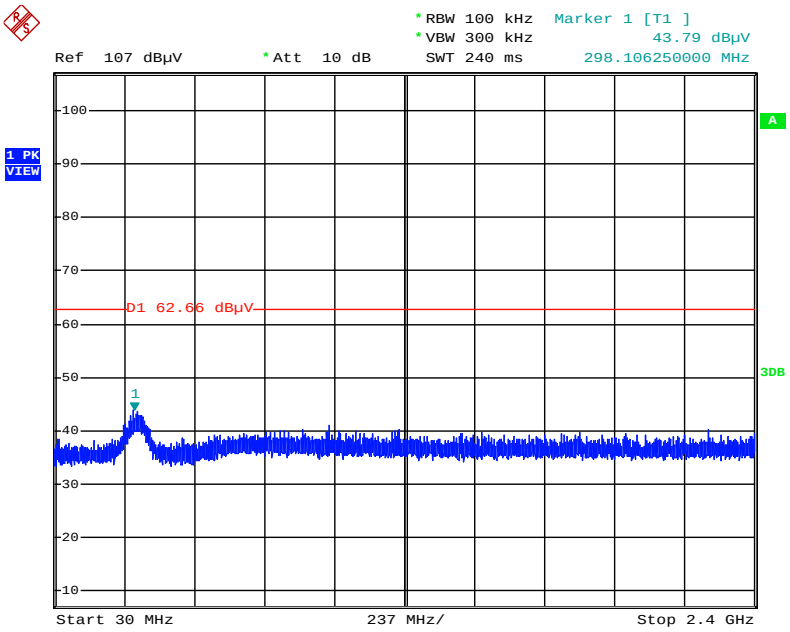
Date: 25.SEP.2014 21:26:17

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 1 / 2500MHz~26500MHz (down 30dBc)



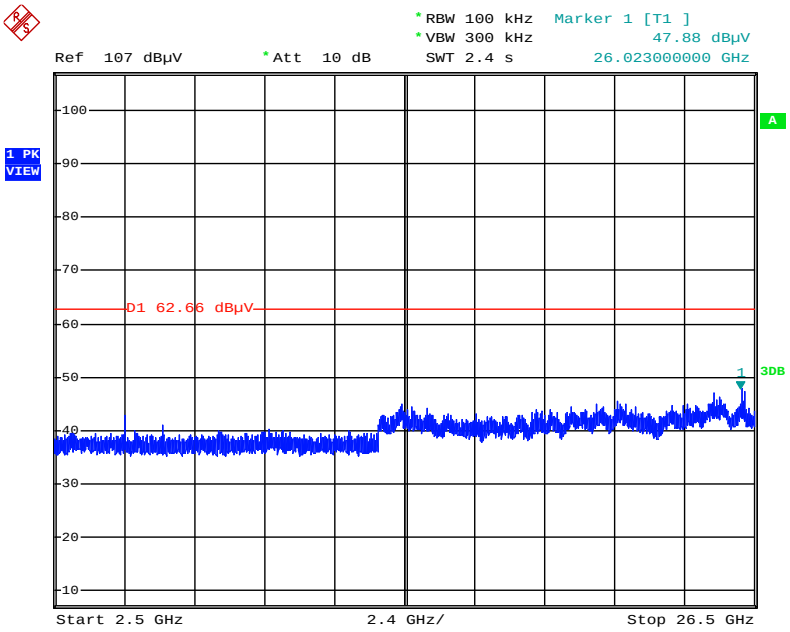
Date: 25.SEP.2014 21:26:45

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 11 / 30MHz~2400MHz (down 30dBc)



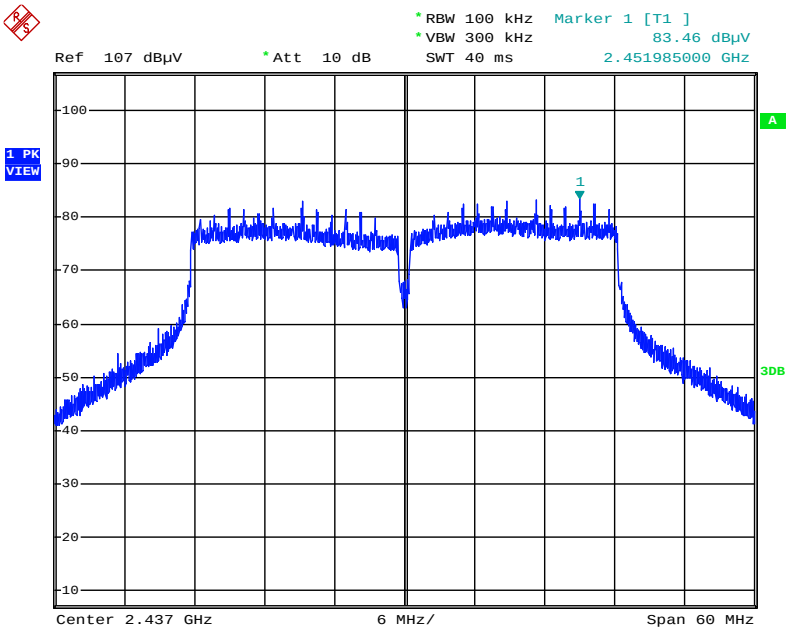
Date: 25.SEP.2014 21:29:12

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 11 / 2500MHz~26500MHz (down 30dBc)



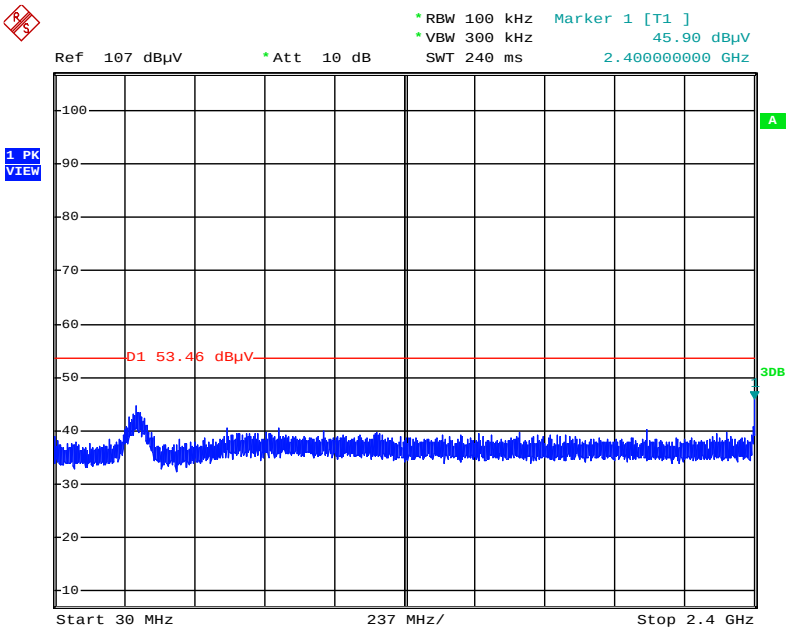
Date: 25.SEP.2014 21:28:28

Plot on Configuration IEEE 802.11n MCS0 HT40 / Reference Level



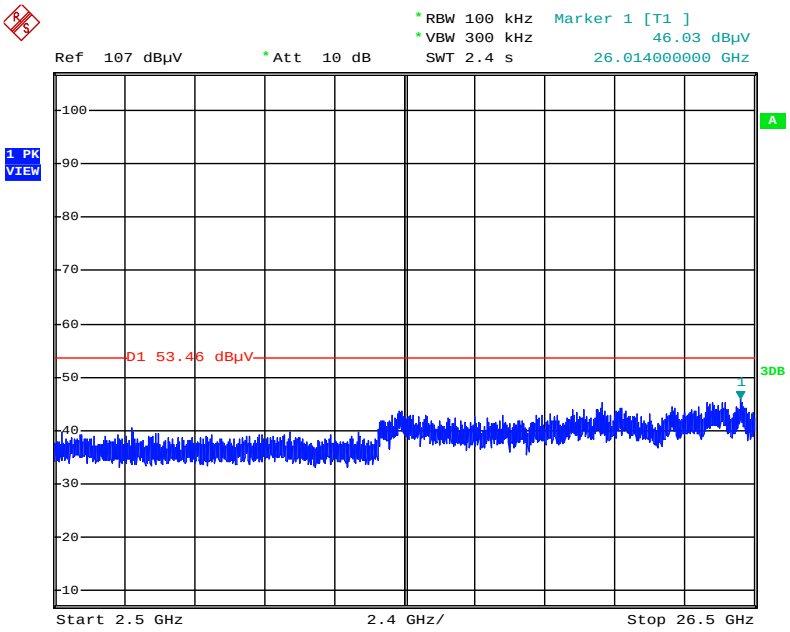
Date: 25.SEP.2014 21:31:14

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 3 / 30MHz~2400MHz (down 30dBc)



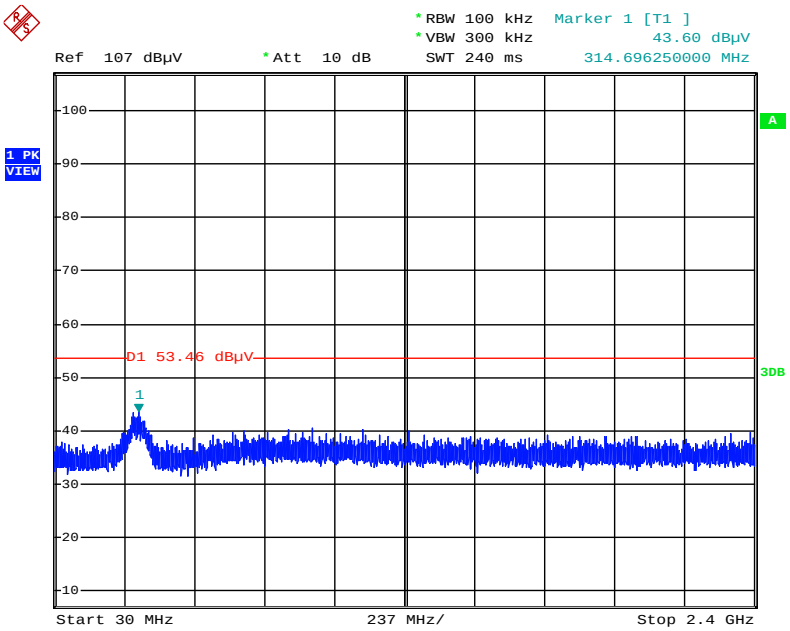
Date: 25.SEP.2014 21:32:19

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 3 / 2500MHz~26500MHz (down 30dBc)



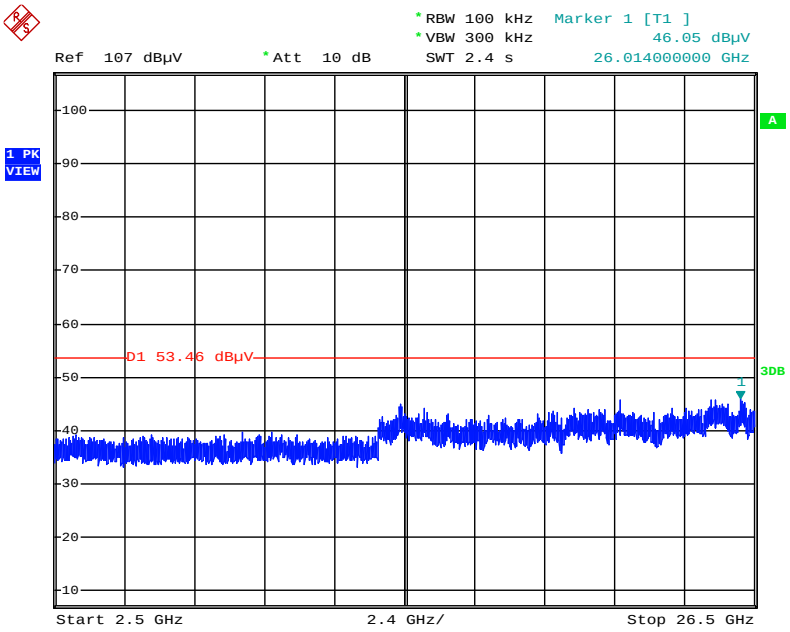
Date: 25.SEP.2014 21:33:18

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 9 / 30MHz~2400MHz (down 30dBc)



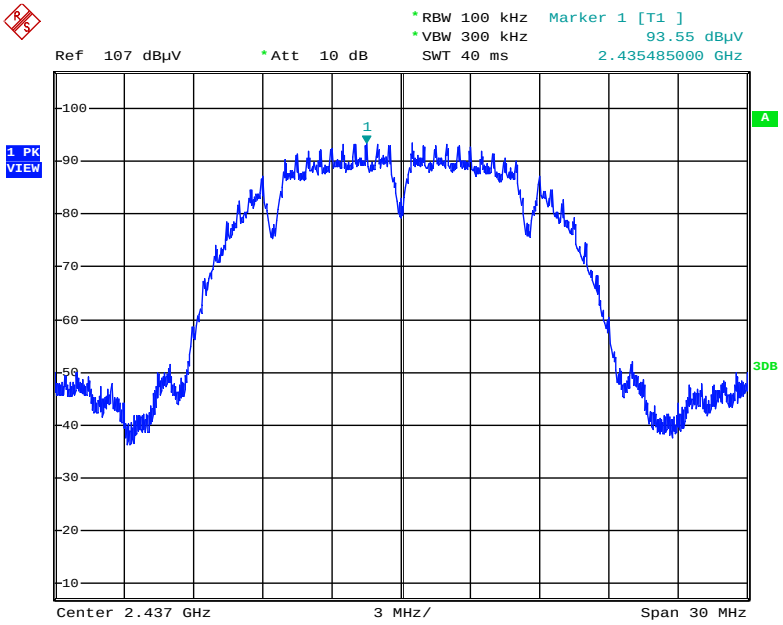
Date: 25.SEP.2014 21:34:41

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 9 / 2500MHz~26500MHz (down 30dBc)



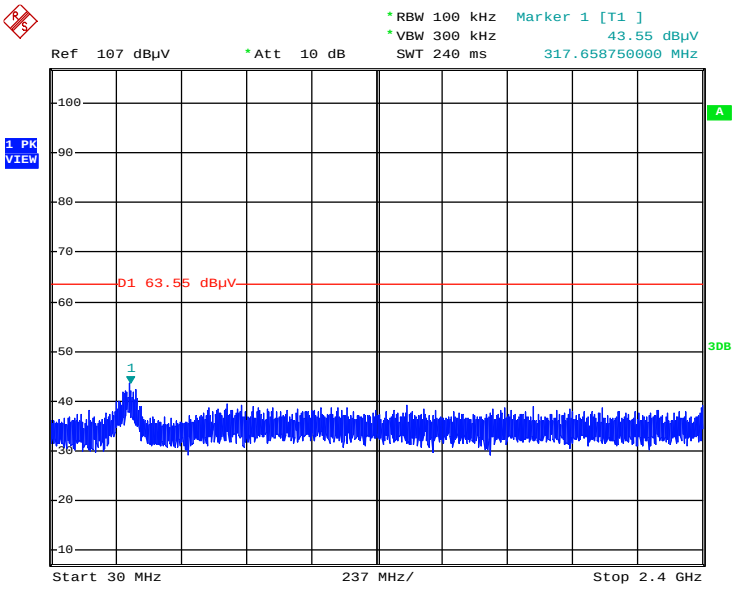
Date: 25.SEP.2014 21:34:14

Plot on Configuration IEEE 802.11b / Reference Level



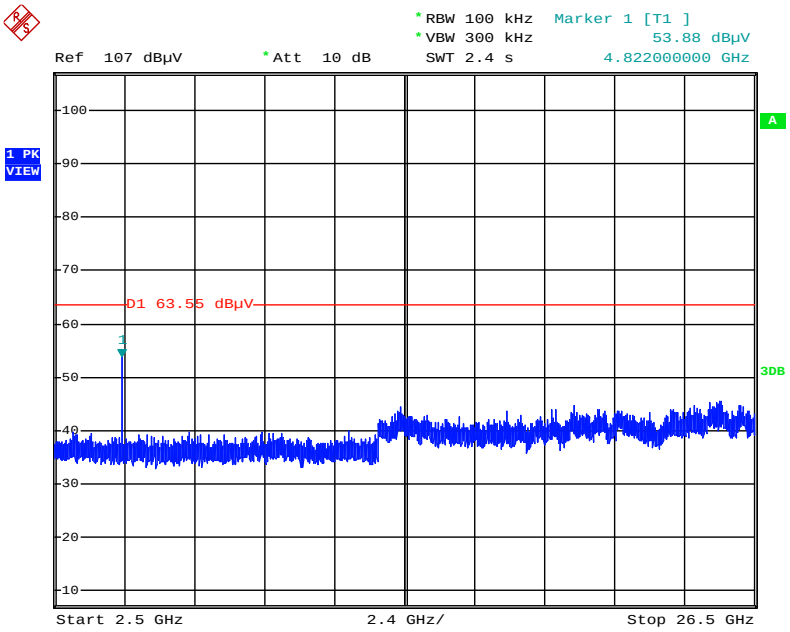
Date: 25.SEP.2014 21:16:40

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



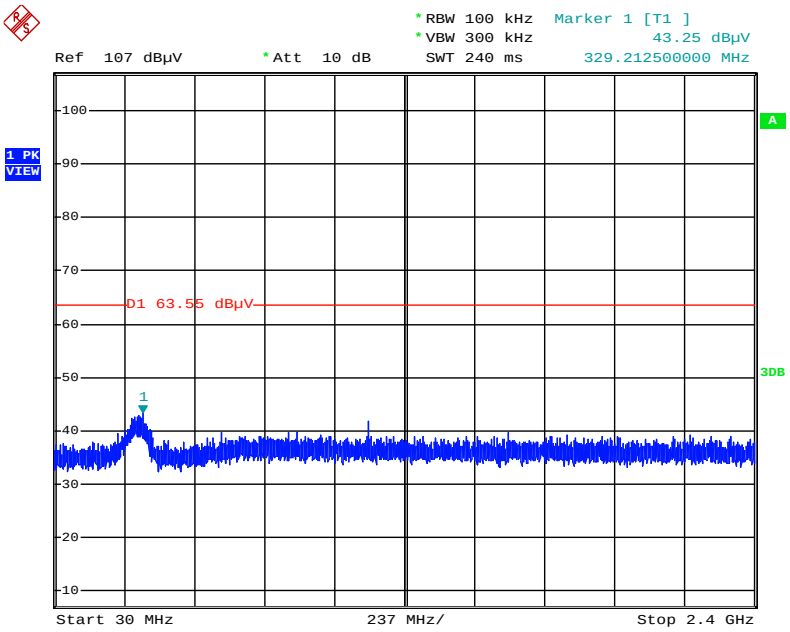
Date: 25.SEP.2014 21:17:38

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



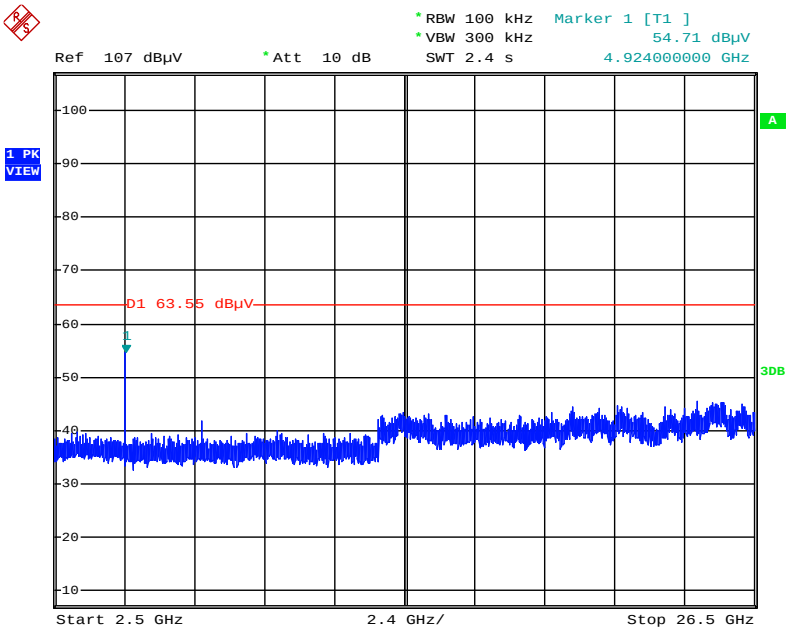
Date: 25.SEP.2014 21:18:11

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



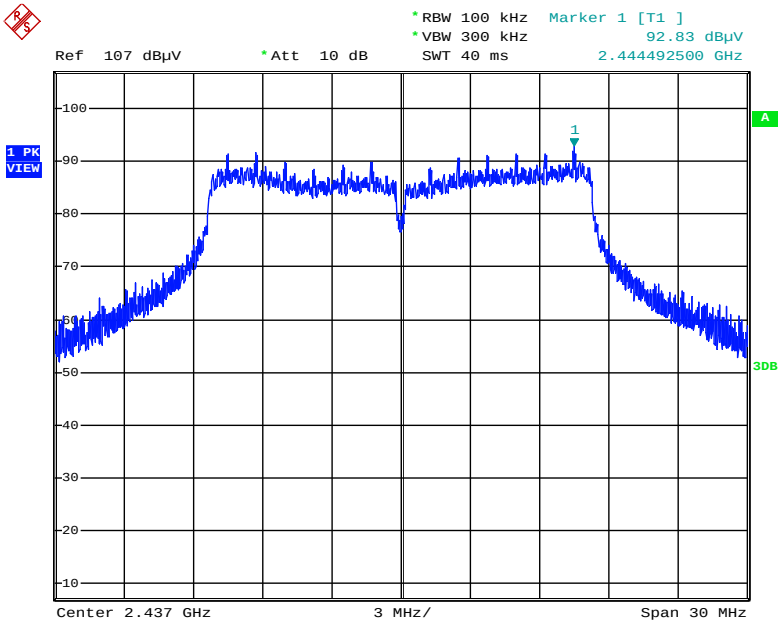
Date: 25.SEP.2014 21:19:59

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



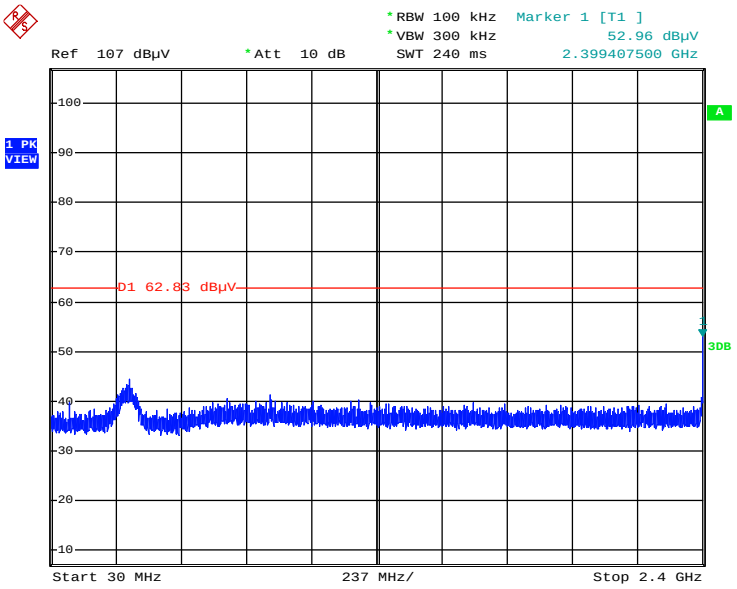
Date: 25.SEP.2014 21:19:13

Plot on Configuration IEEE 802.11g / Reference Level



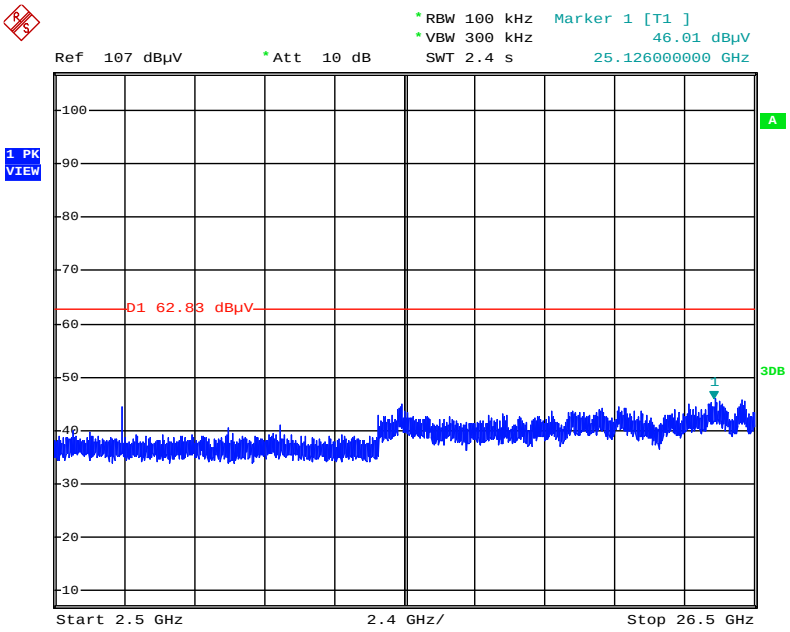
Date: 25.SEP.2014 21:21:13

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



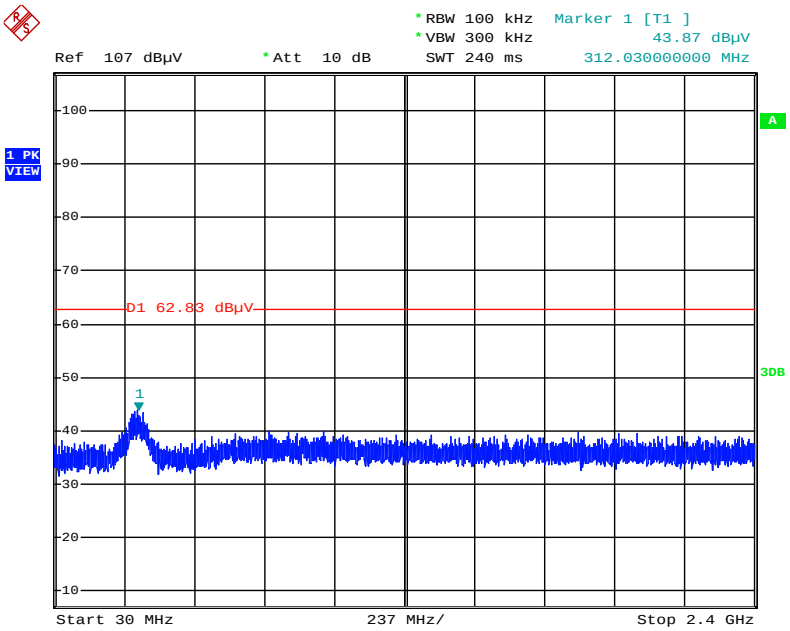
Date: 25.SEP.2014 21:21:53

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



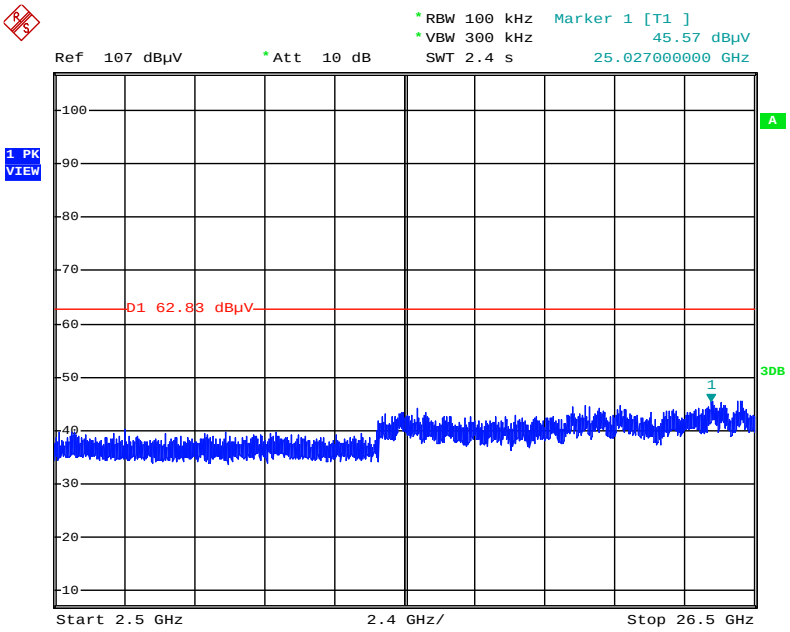
Date: 25.SEP.2014 21:22:28

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



Date: 25.SEP.2014 21:23:27

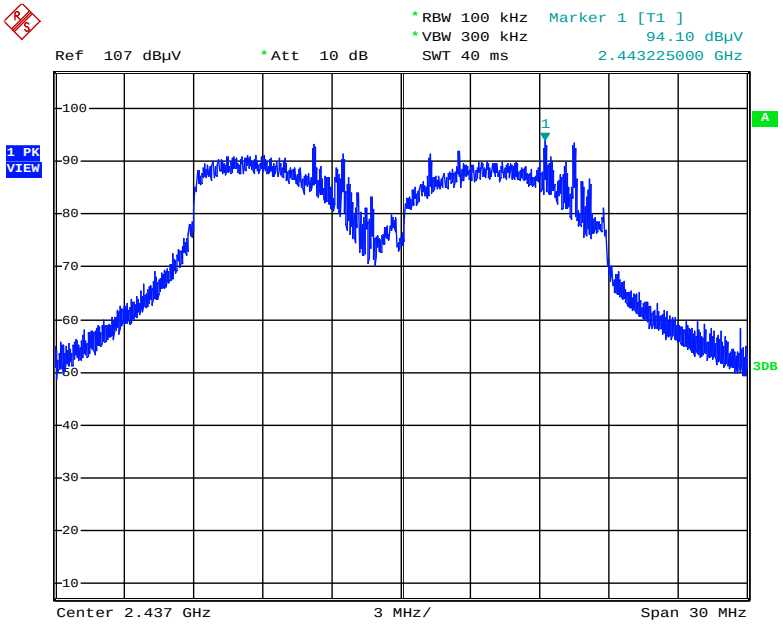
Plot on Configuration IEEE 802.11g / CH 11 / 2500MHz~26500MHz (down 30dBc)



Date: 25.SEP.2014 21:23:02

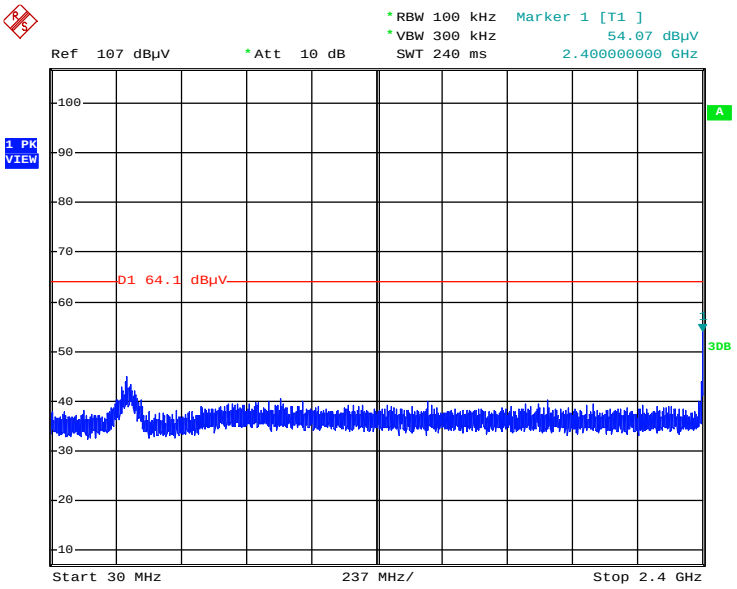
For 3TX

Plot on Configuration IEEE 802.11n MCS0 HT20 / Reference Level



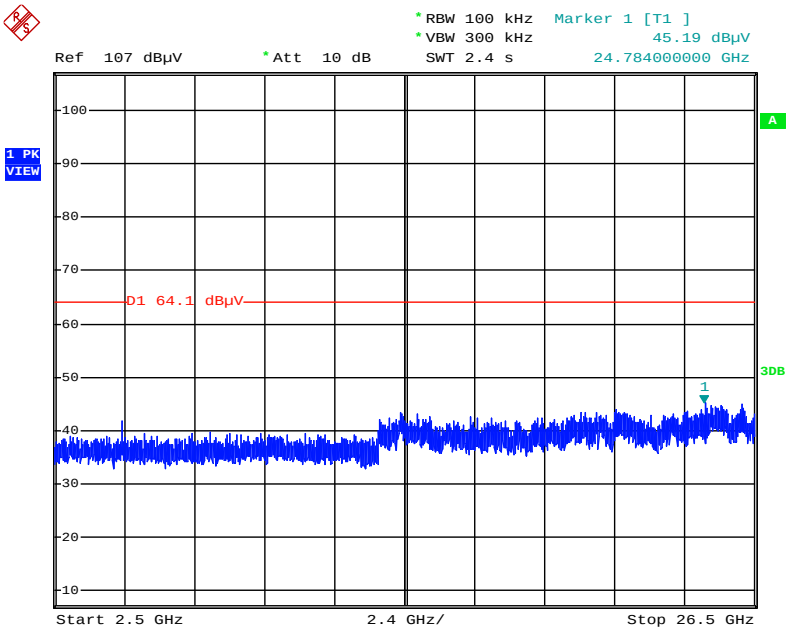
Date: 25.SEP.2014 21:52:10

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 1 / 30MHz~2400MHz (down 30dBc)



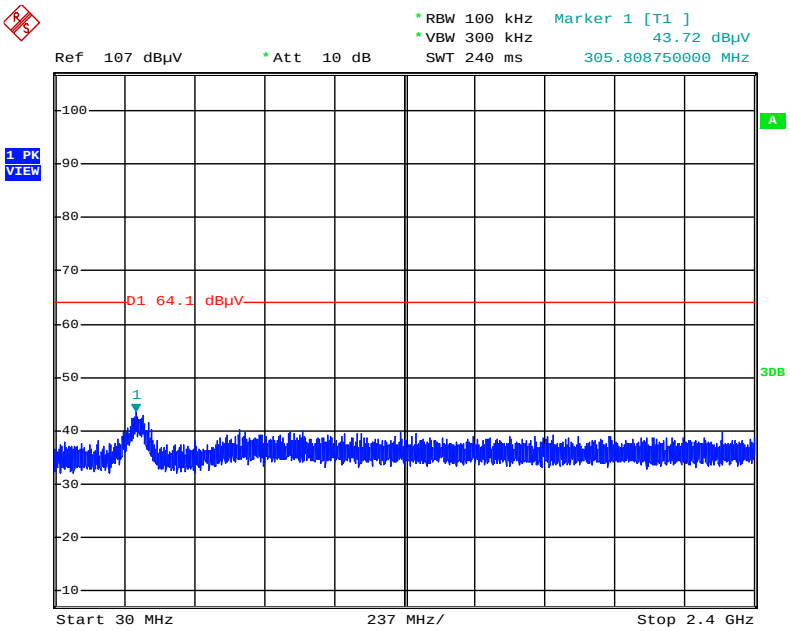
Date: 25.SEP.2014 21:53:27

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 1 / 2500MHz~26500MHz (down 30dBc)



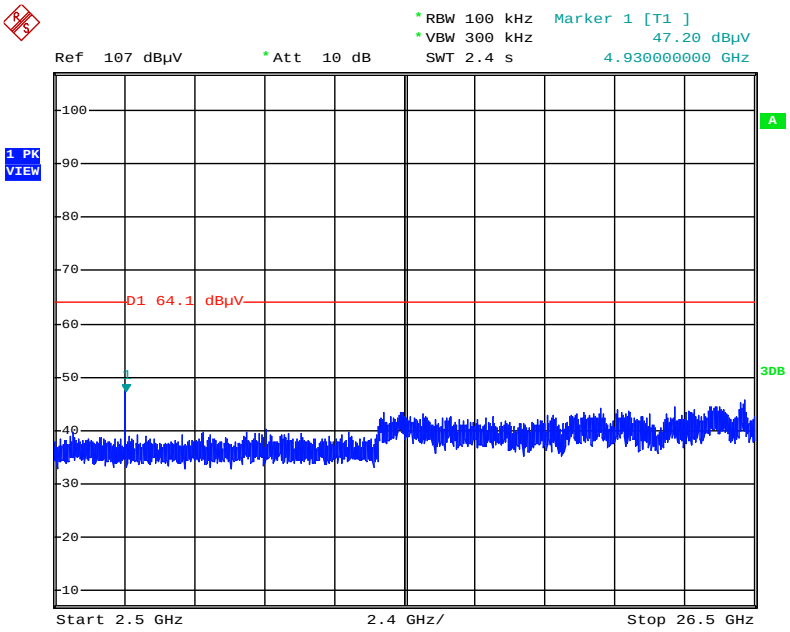
Date: 25.SEP.2014 21:53:57

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 11 / 30MHz~2400MHz (down 30dBc)



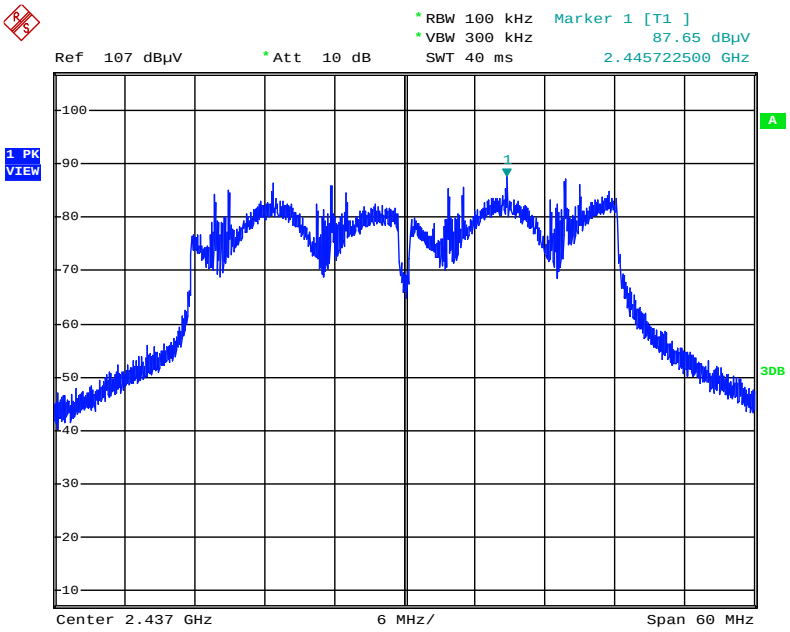
Date: 25.SEP.2014 21:55:16

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 11 / 2500MHz~26500MHz (down 30dBc)



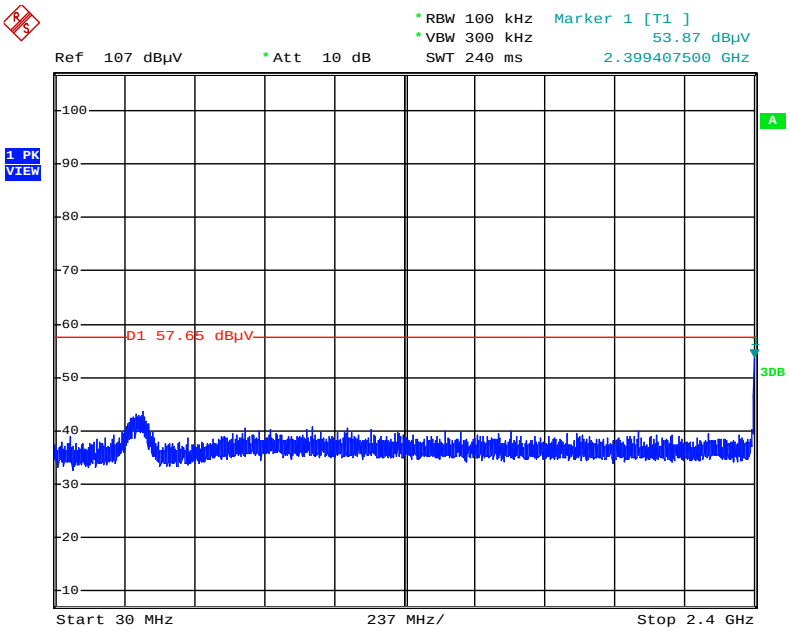
Date: 25.SEP.2014 21:54:42

Plot on Configuration IEEE 802.11n MCS0 HT40 / Reference Level



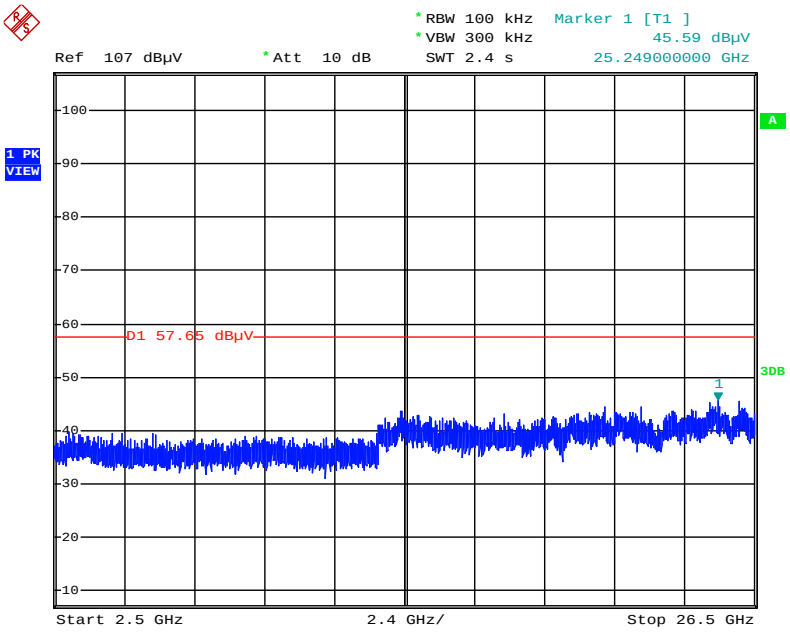
Date: 25.SEP.2014 21:57:24

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 3 / 30MHz~2400MHz (down 30dBc)



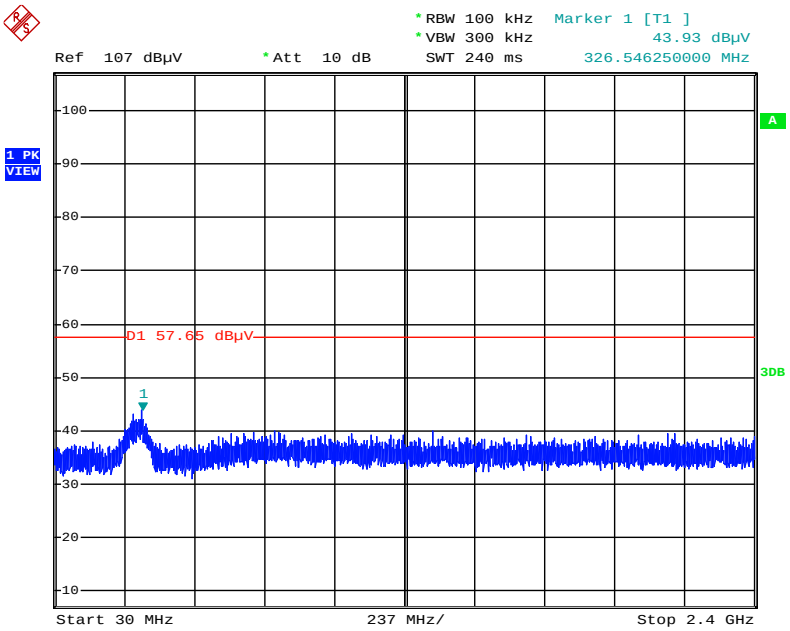
Date: 25.SEP.2014 21:58:30

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 3 / 2500MHz~26500MHz (down 30dBc)



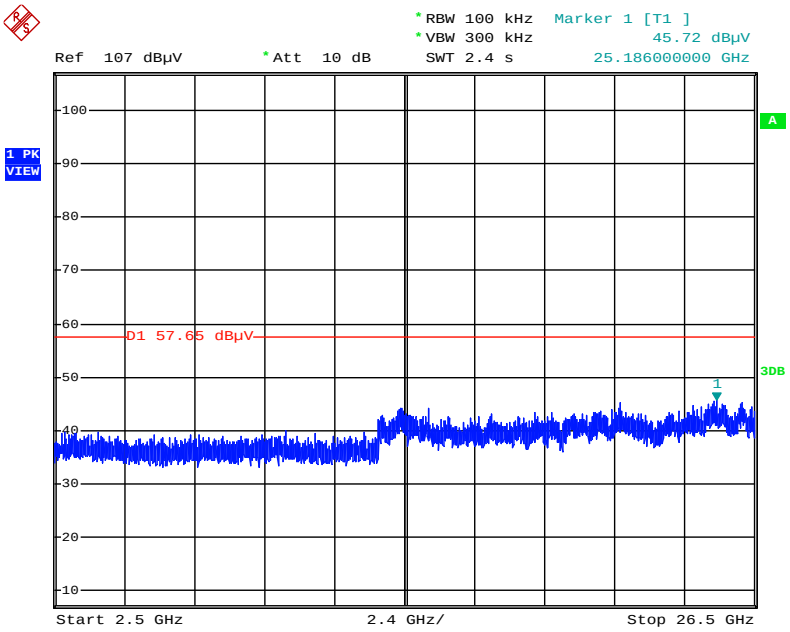
Date: 25.SEP.2014 21:59:13

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 9 / 30MHz~2400MHz (down 30dBc)



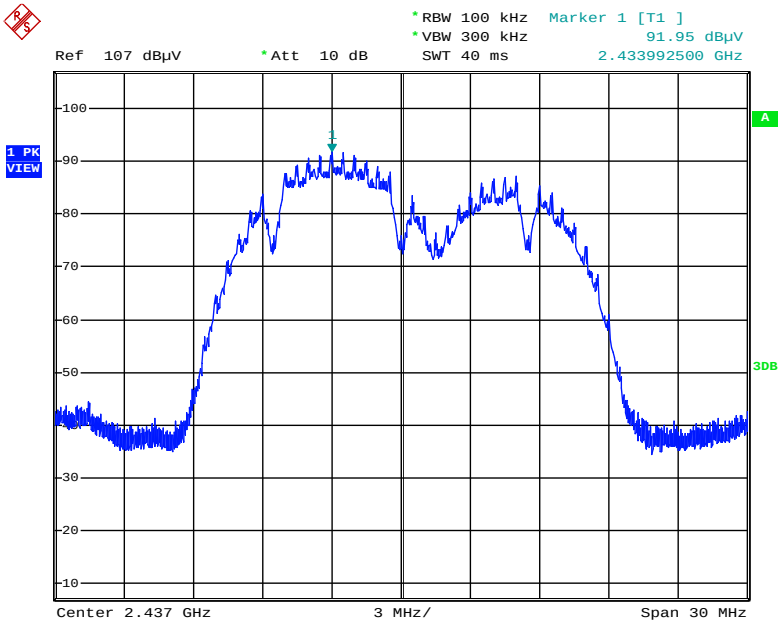
Date: 25.SEP.2014 22:00:59

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 9 / 2500MHz~26500MHz (down 30dBc)



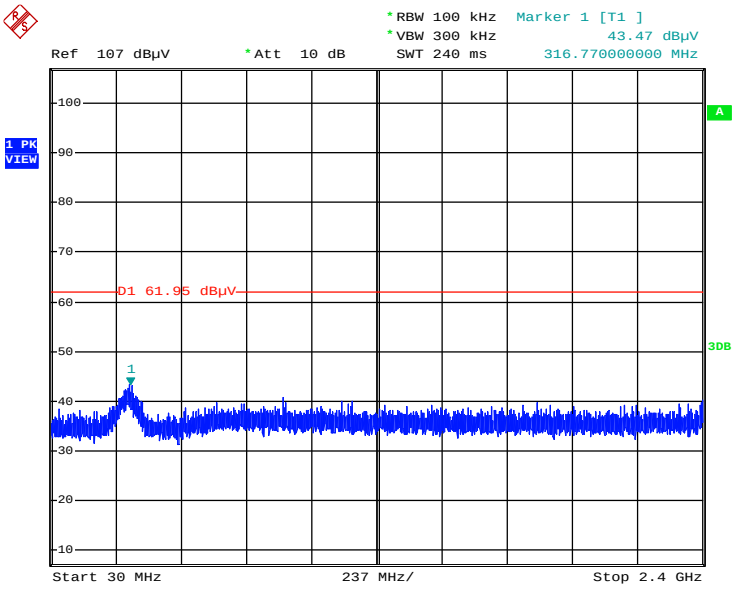
Date: 25.SEP.2014 22:00:32

Plot on Configuration IEEE 802.11b / Reference Level



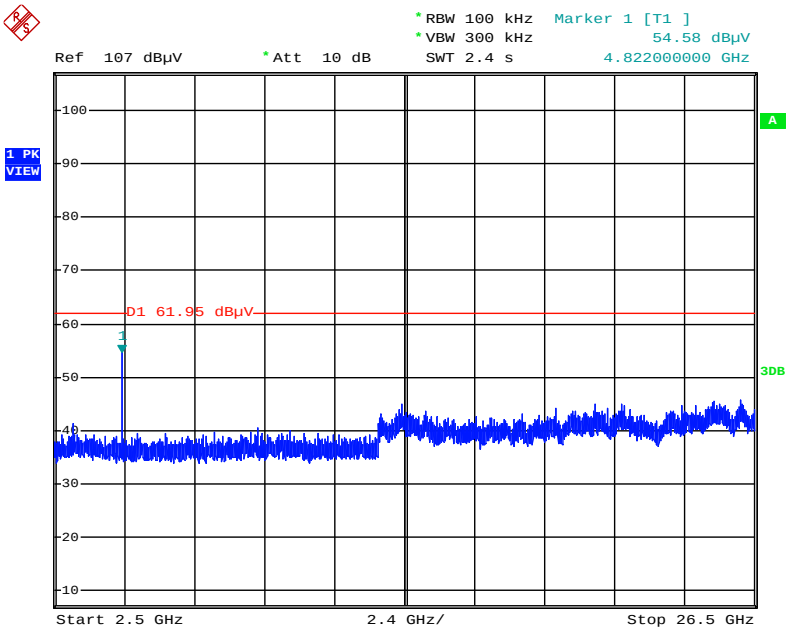
Date: 25.SEP.2014 21:43:33

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



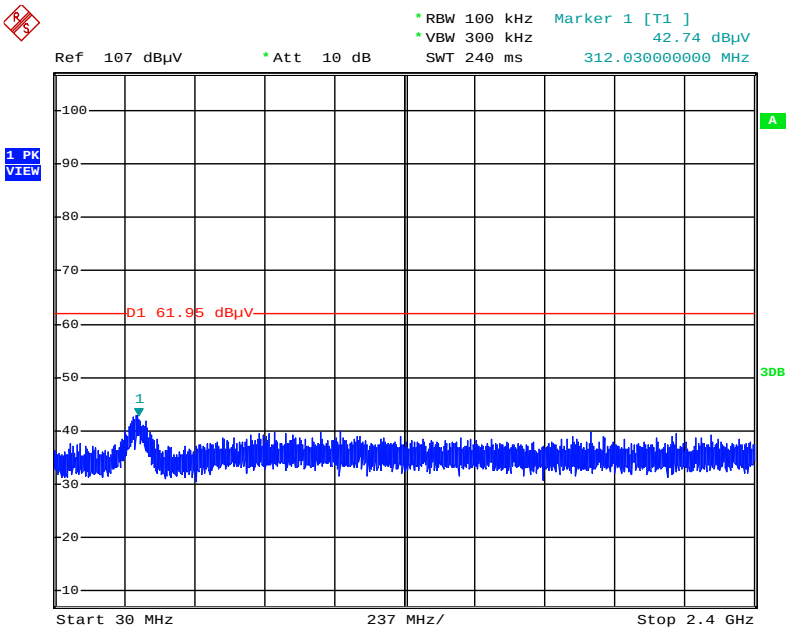
Date: 25.SEP.2014 21:44:27

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



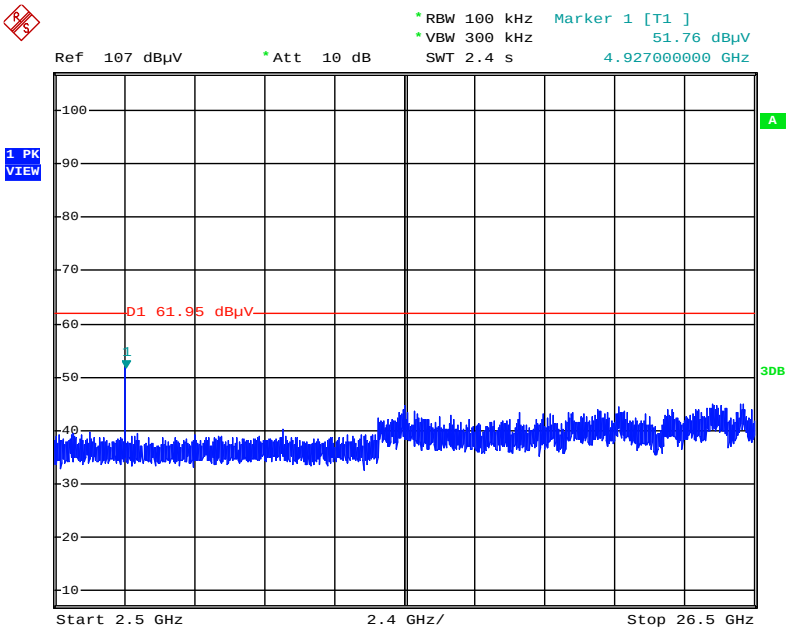
Date: 25.SEP.2014 21:45:18

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



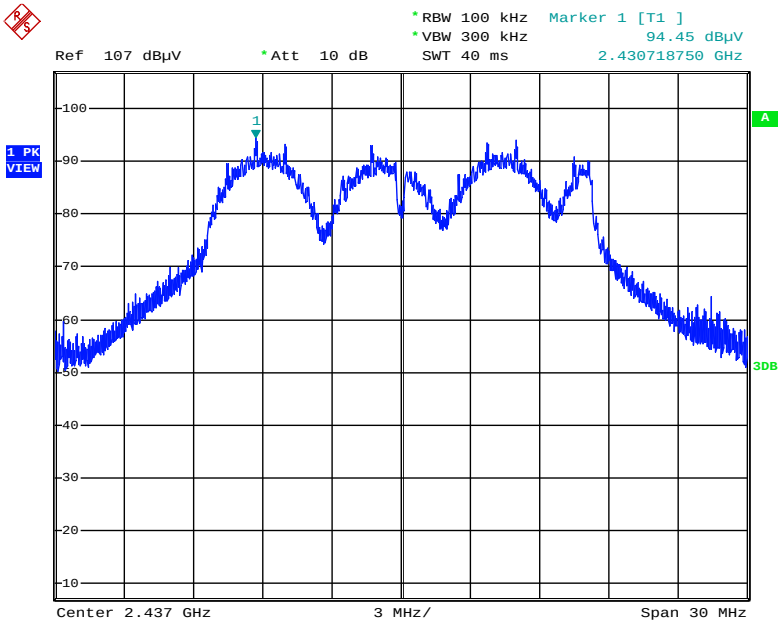
Date: 25.SEP.2014 21:46:37

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



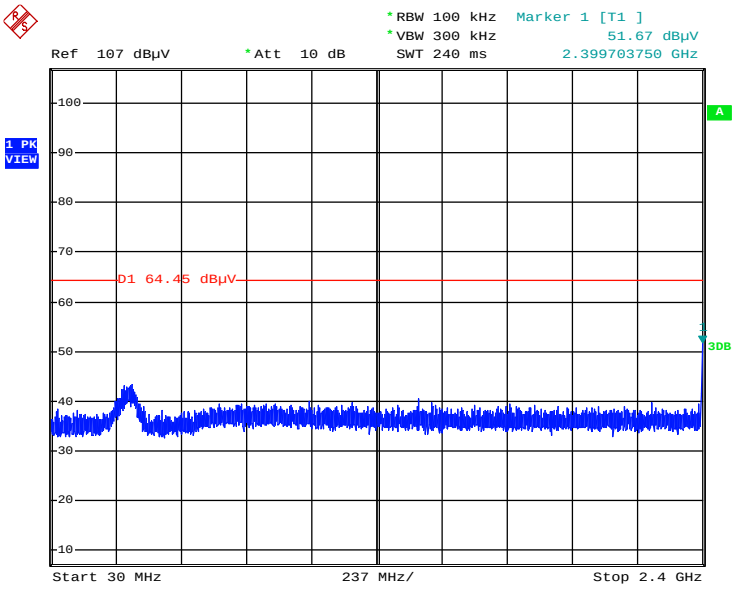
Date: 25.SEP.2014 21:46:14

Plot on Configuration IEEE 802.11g / Reference Level



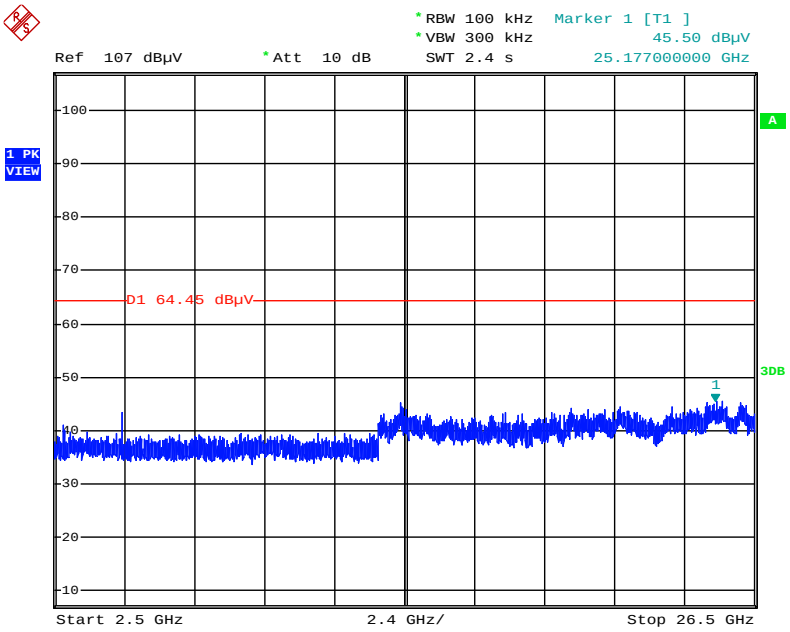
Date: 25.SEP.2014 21:48:00

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



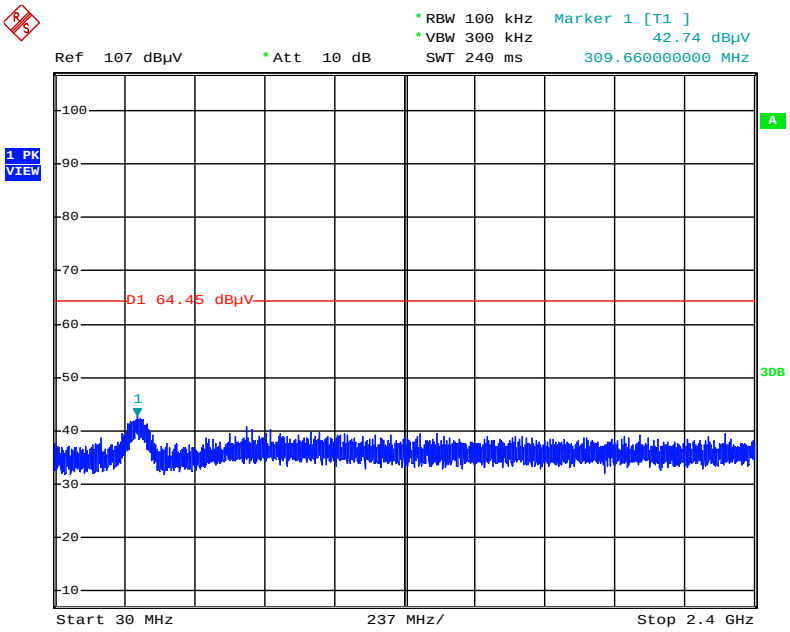
Date: 25.SEP.2014 21:48:48

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



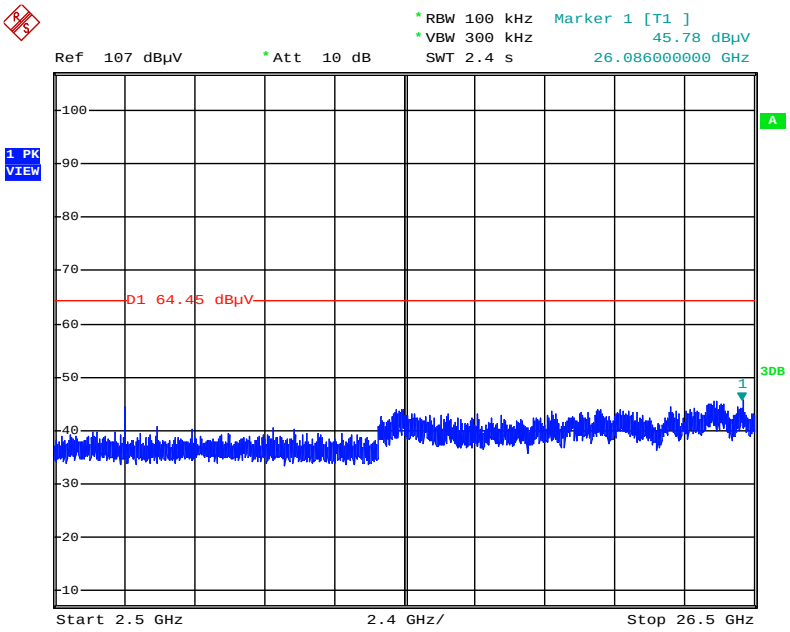
Date: 25.SEP.2014 21:49:19

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



Date: 25.SEP.2014 21:50:37

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



Date: 25.SEP.2014 21:50:09

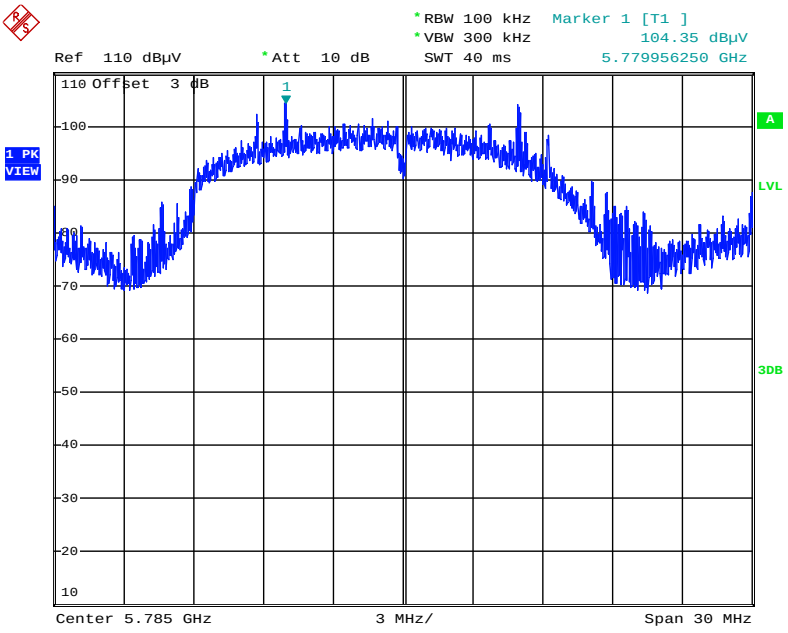
For 5GHz Band

Mode 4 (Ant.6 Dipole antenna / 8dBi)

For Beamforming Mode

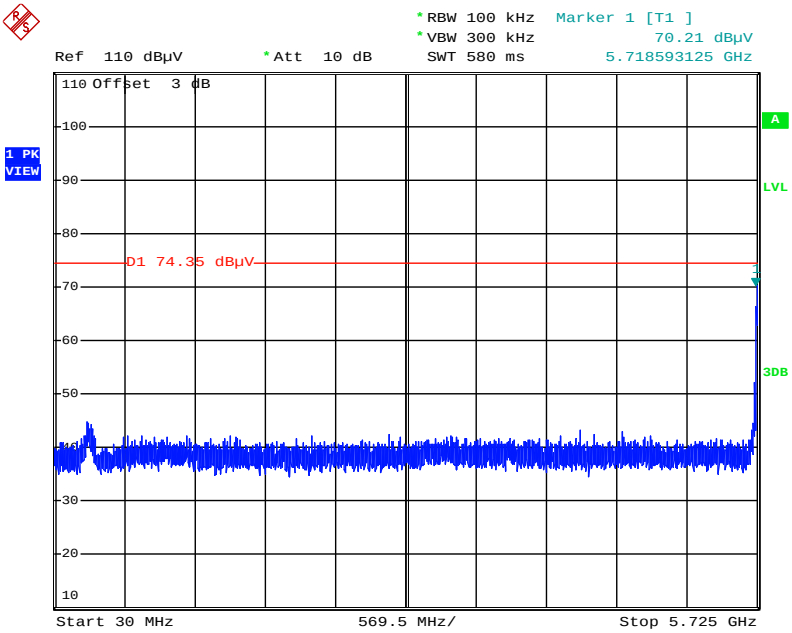
For 2TX

Plot on Configuration IEEE 802.11n MCS0 HT20 / Reference Level



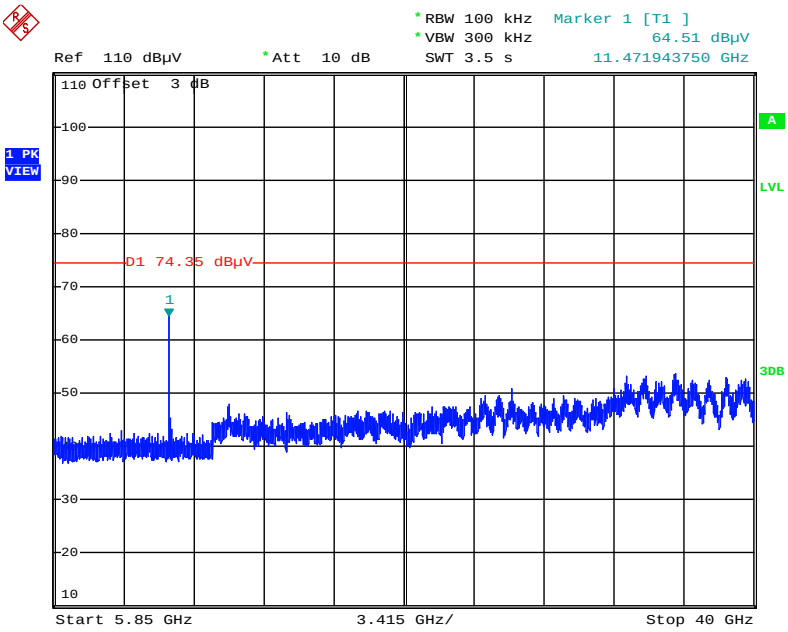
Date: 27.SEP.2014 15:34:35

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 149 / 30MHz~5725MHz (down 30dBc)



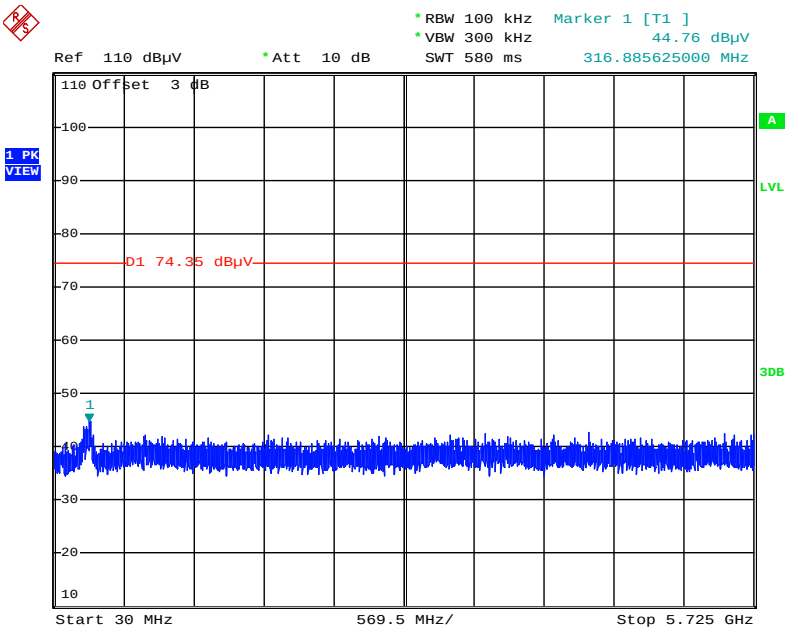
Date: 27.SEP.2014 15:35:49

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 149 / 5850MHz~40000MHz (down 30dBc)



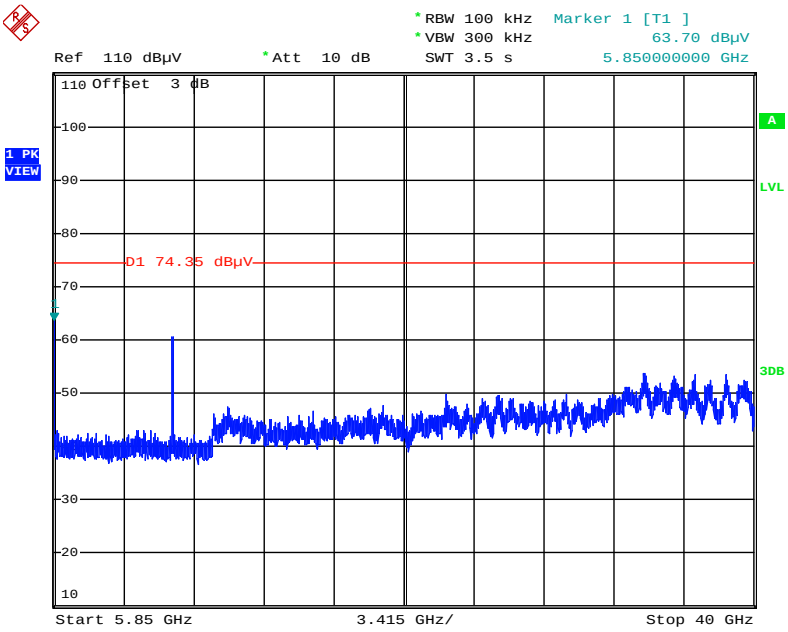
Date: 27.SEP.2014 15:36:21

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 165 / 30MHz~5725MHz (down 30dBc)



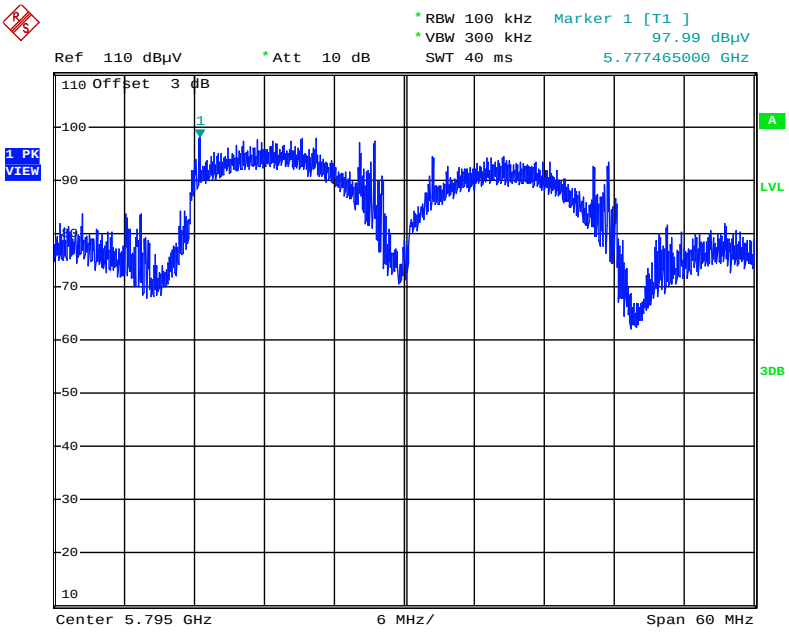
Date: 27.SEP.2014 15:37:14

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 165 / 5850MHz~40000MHz (down 30dBc)



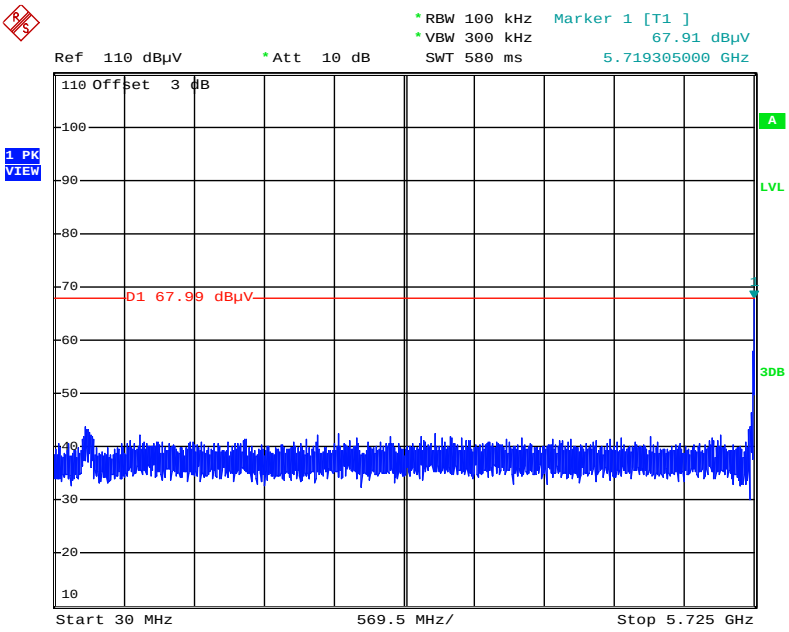
Date: 27.SEP.2014 15:36:51

Plot on Configuration IEEE 802.11n MCS0 HT40 / Reference Level



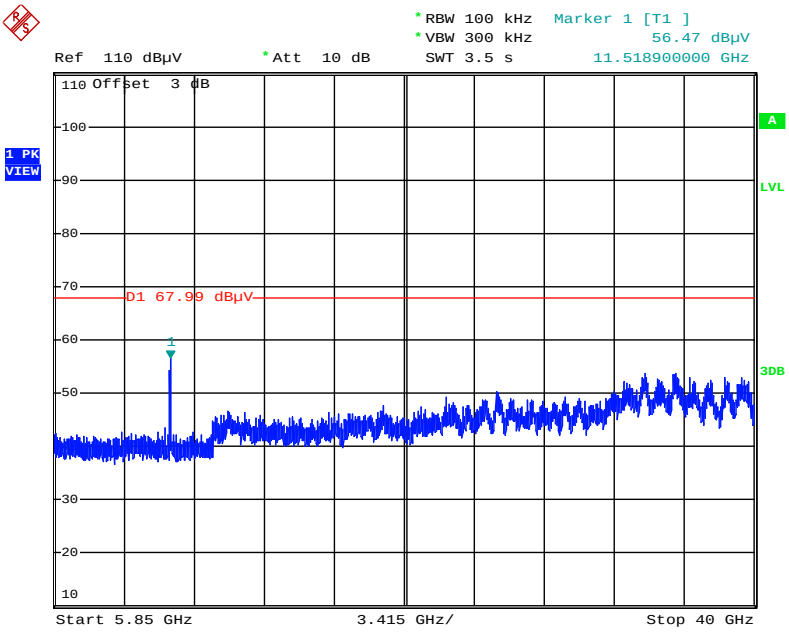
Date: 27.SEP.2014 15:28:57

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 151 / 30MHz~5725MHz (down 30dBc)



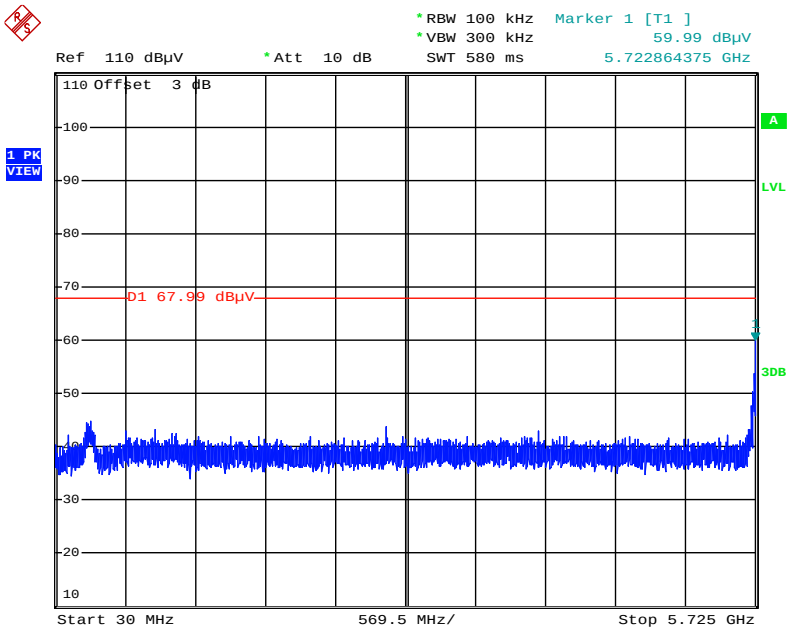
Date: 27.SEP.2014 15:32:40

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 151 / 5850MHz~40000MHz (down 30dBc)



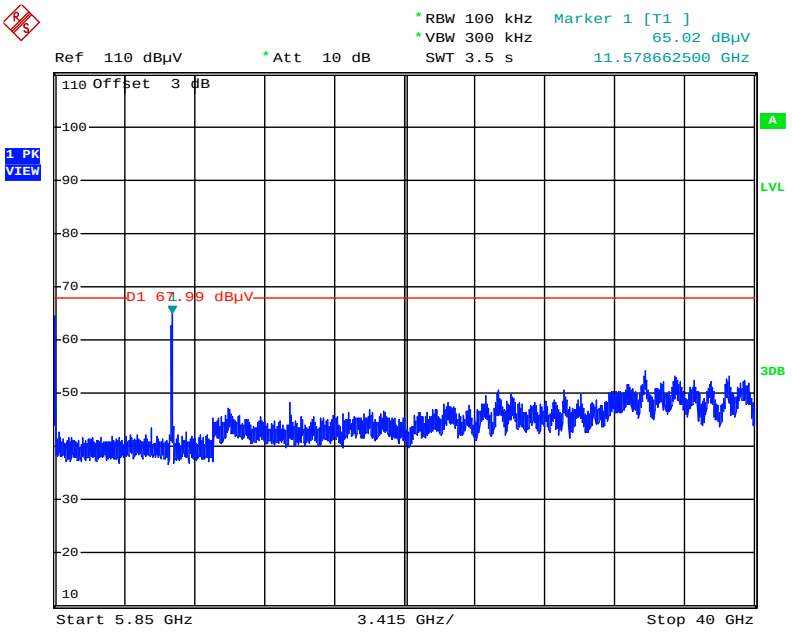
Date: 27.SEP.2014 15:33:36

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 159 / 30MHz~5725MHz (down 30dBc)



Date: 27.SEP.2014 15:30:13

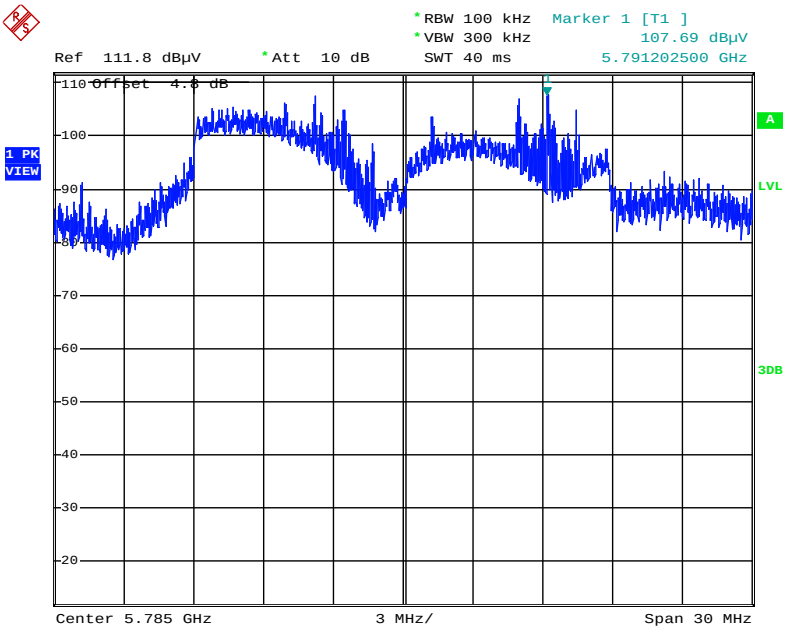
Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 159 / 5850MHz~40000MHz (down 30dBc)



Date: 27.SEP.2014 15:30:45

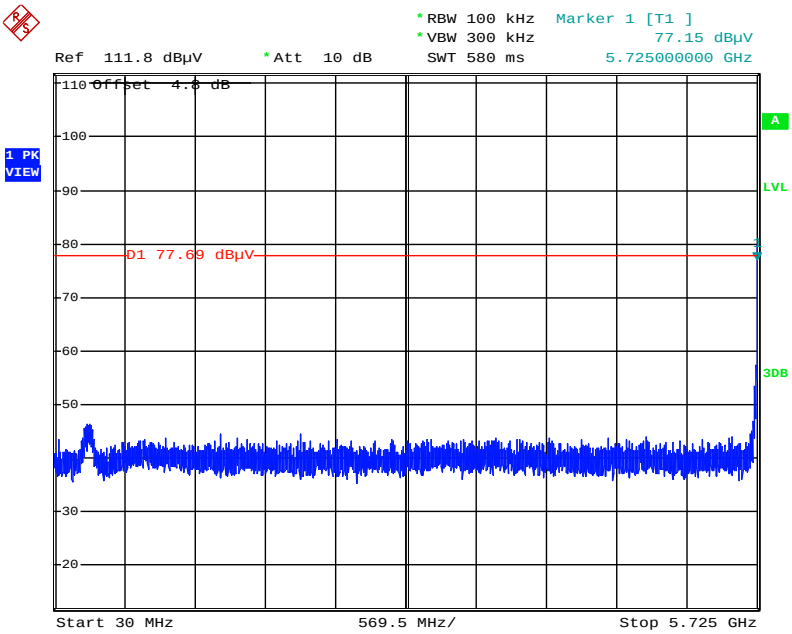
For 3TX

Plot on Configuration IEEE 802.11n MCS0 HT20 / Reference Level



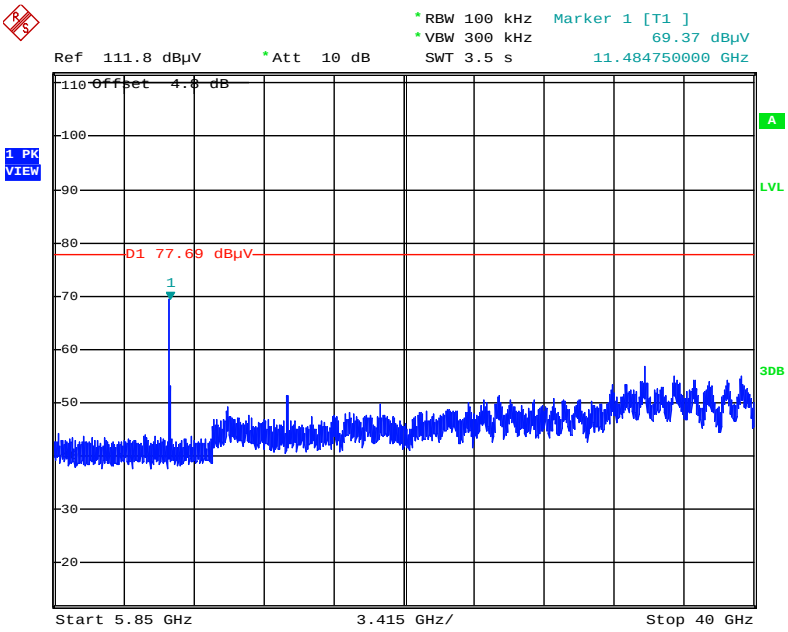
Date: 27.SEP.2014 09:58:44

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 149 / 30MHz~5725MHz (down 30dBc)



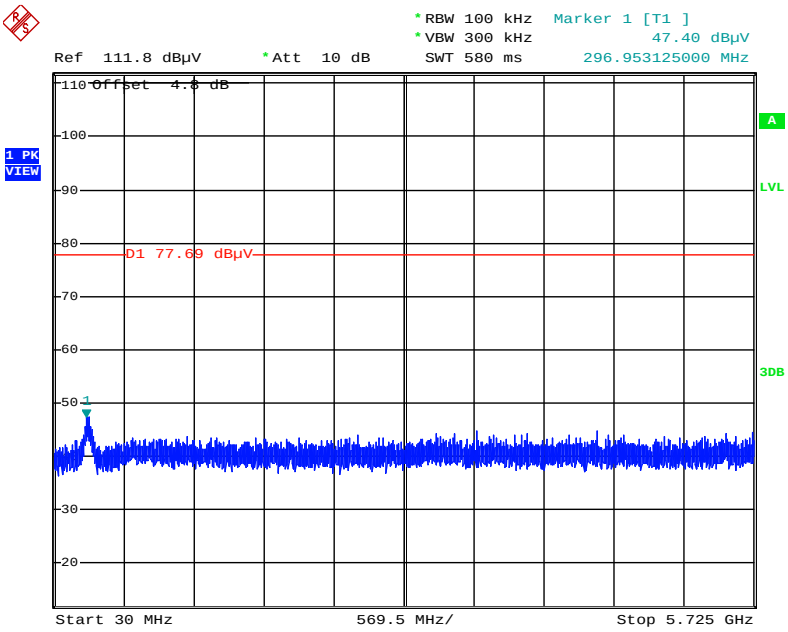
Date: 27.SEP.2014 10:01:33

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 149 / 5850MHz~40000MHz (down 30dBc)



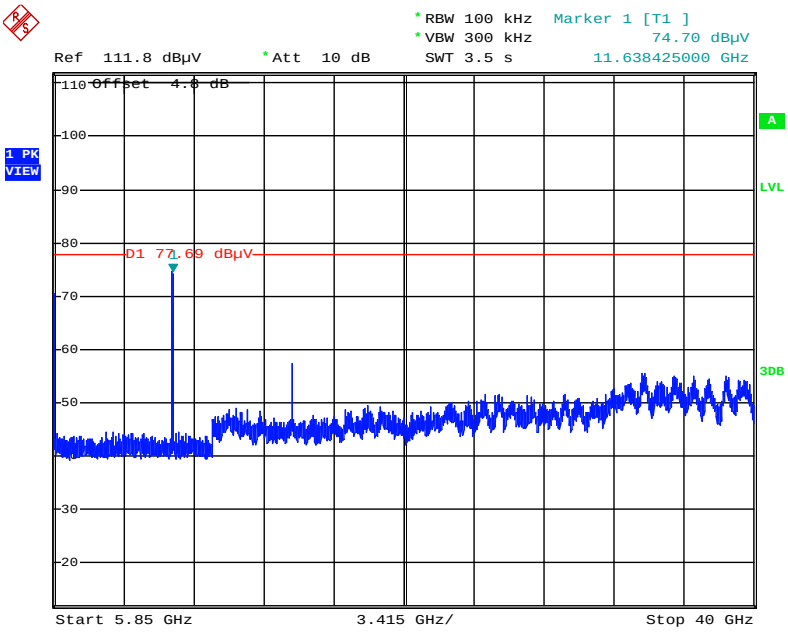
Date: 27.SEP.2014 10:02:13

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 165 / 30MHz~5725MHz (down 30dBc)



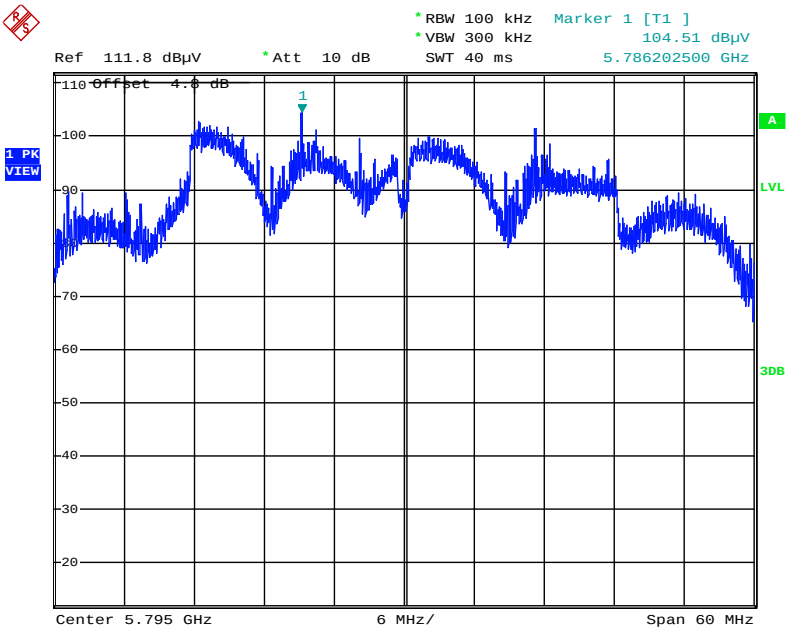
Date: 27.SEP.2014 10:03:52

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 165 / 5850MHz~40000MHz (down 30dBc)



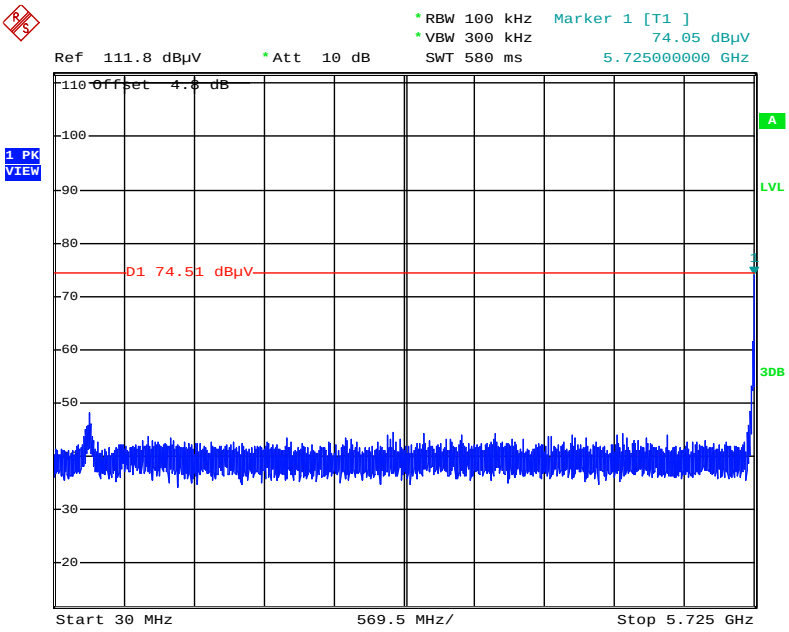
Date: 27.SEP.2014 10:03:05

Plot on Configuration IEEE 802.11n MCS0 HT40 / Reference Level



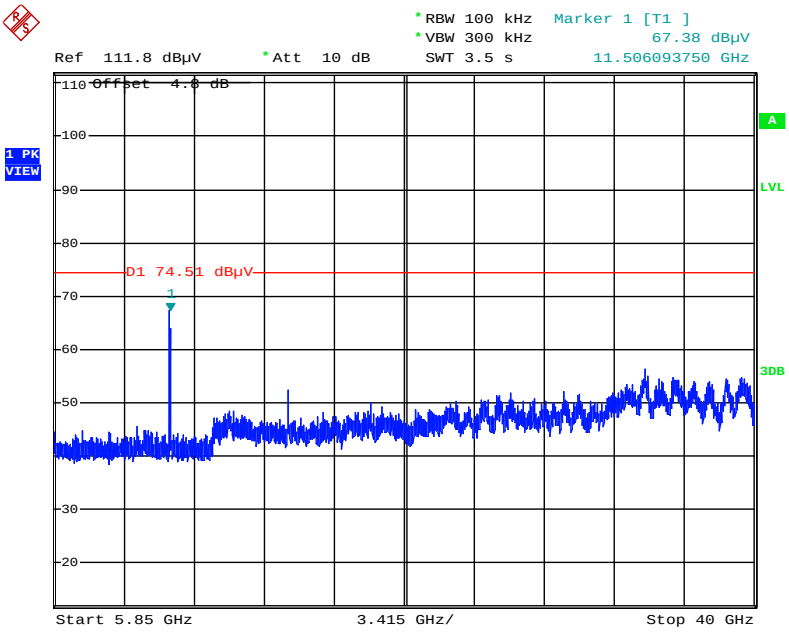
Date: 27.SEP.2014 10:05:46

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 151 / 30MHz~5725MHz (down 30dBc)



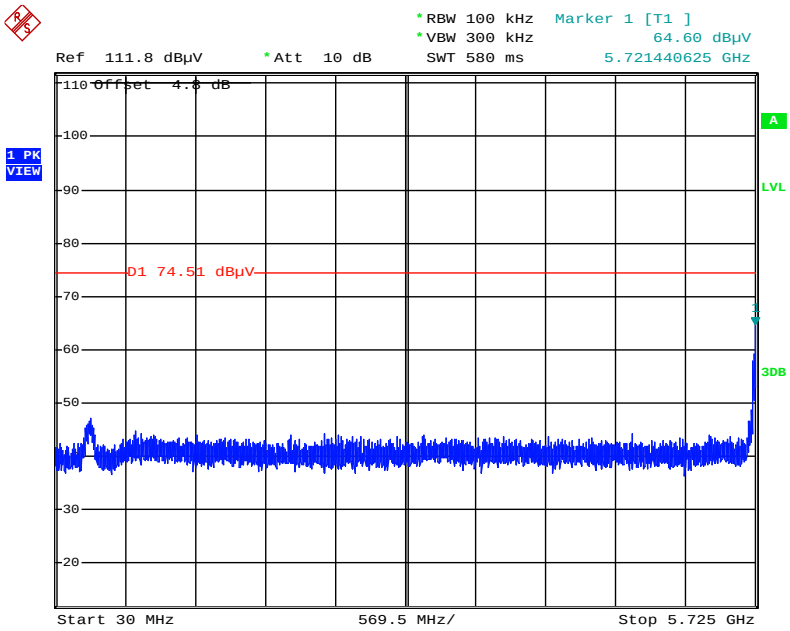
Date: 27.SEP.2014 10:08:41

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 151 / 5850MHz~40000MHz (down 30dBc)



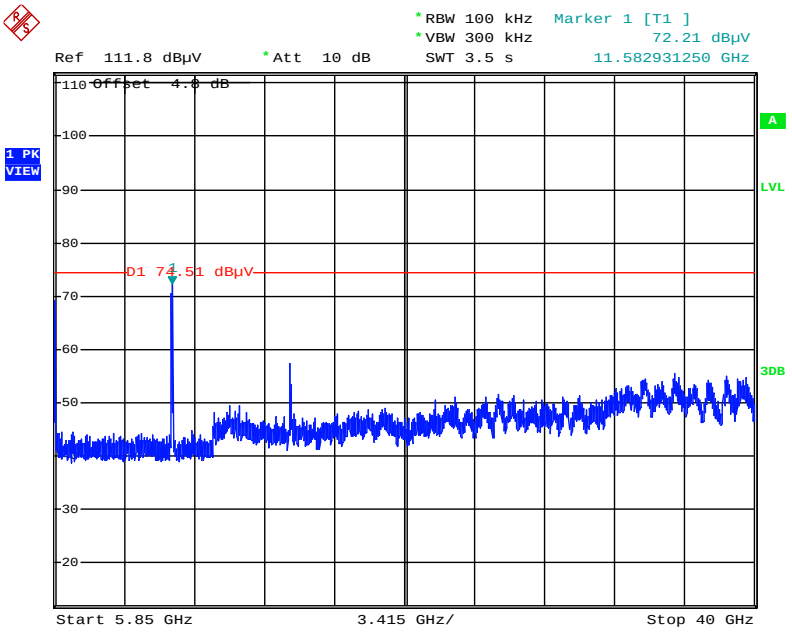
Date: 27.SEP.2014 10:09:19

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 159 / 30MHz~5725MHz (down 30dBc)



Date: 27.SEP.2014 10:06:37

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 159 / 5850MHz~40000MHz (down 30dBc)



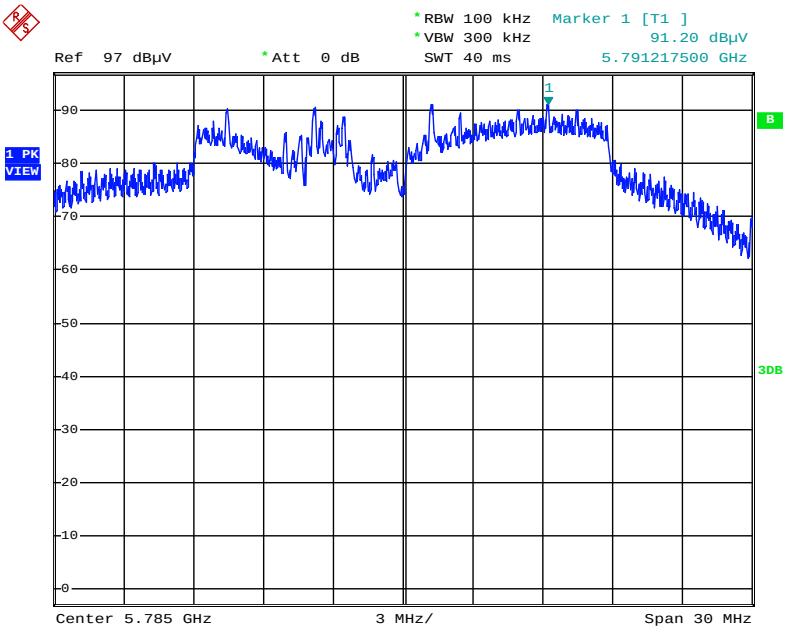
Date: 27.SEP.2014 10:07:09

Mode 5 (Ant.16 Panel antenna / 3.5dBi)

For Beamforming Mode

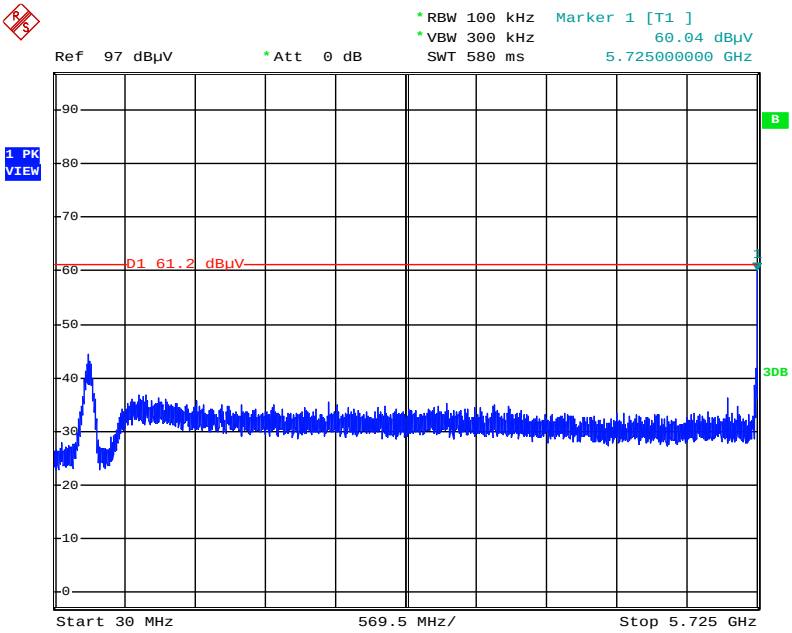
For 2TX

Plot on Configuration IEEE 802.11n MCS0 HT20 / Reference Level



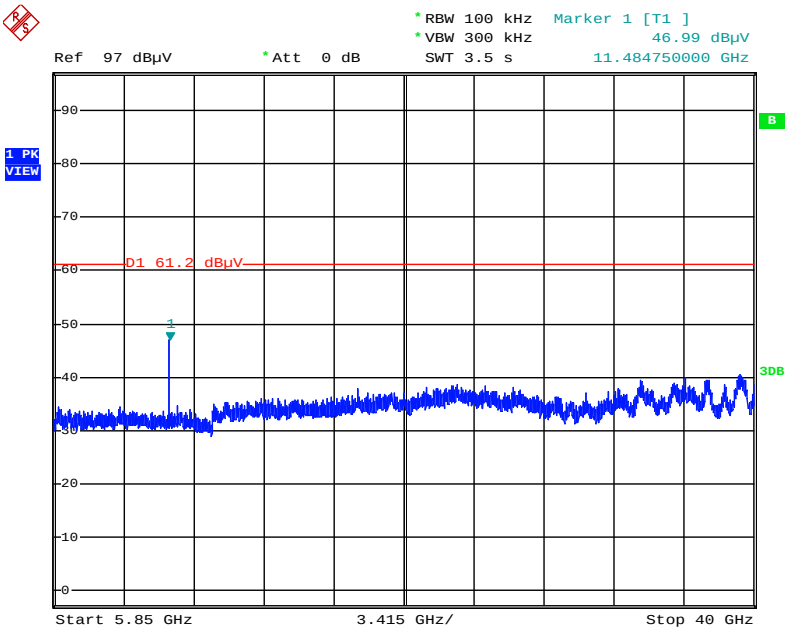
Date: 1.OCT.2014 22:18:56

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 149 / 30MHz~5725MHz (down 30dBc)



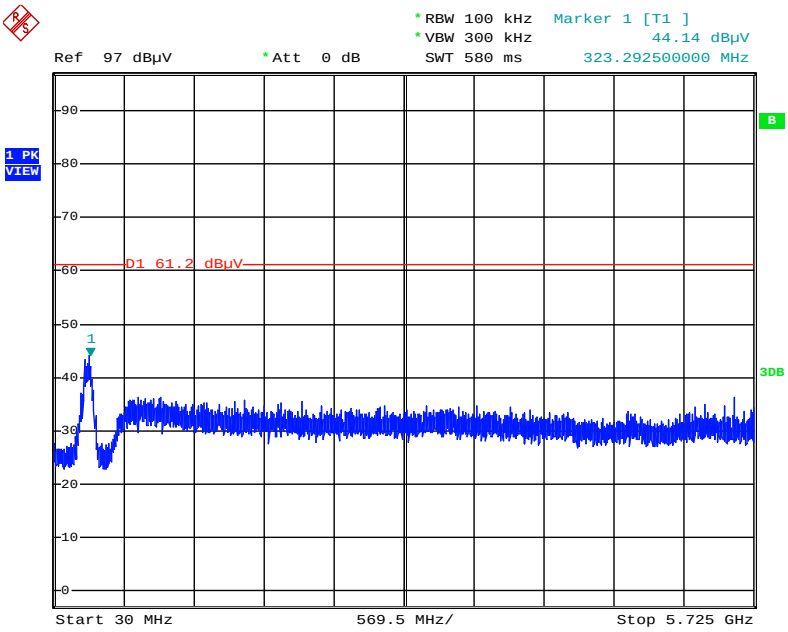
Date: 1.OCT.2014 22:22:45

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 149 / 5850MHz~40000MHz (down 30dBc)



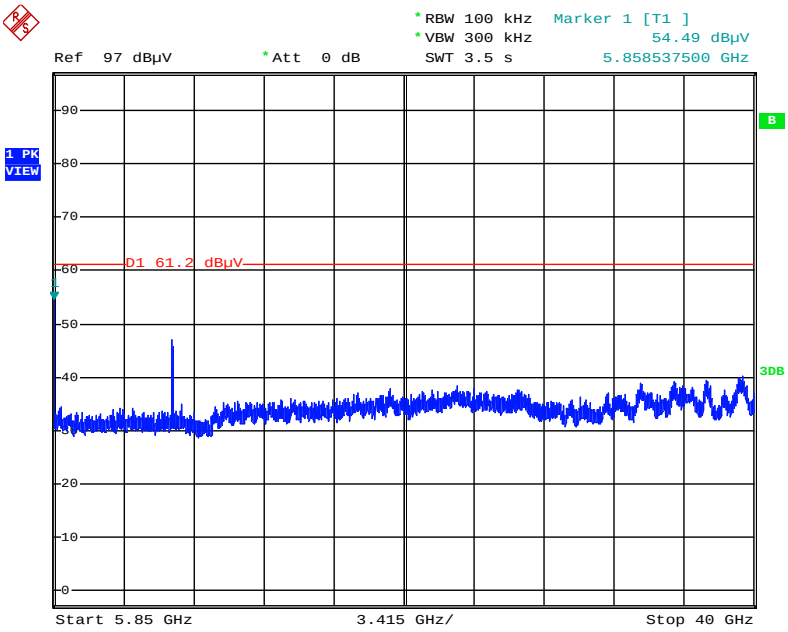
Date: 1.OCT.2014 22:26:11

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 165 / 30MHz~5725MHz (down 30dBc)



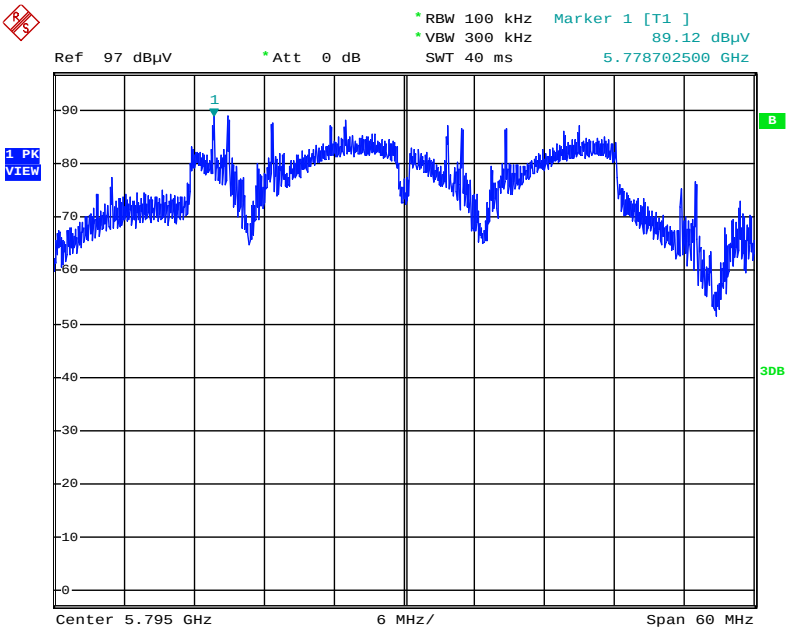
Date: 1.OCT.2014 22:28:40

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 165 / 5850MHz~40000MHz (down 30dBc)



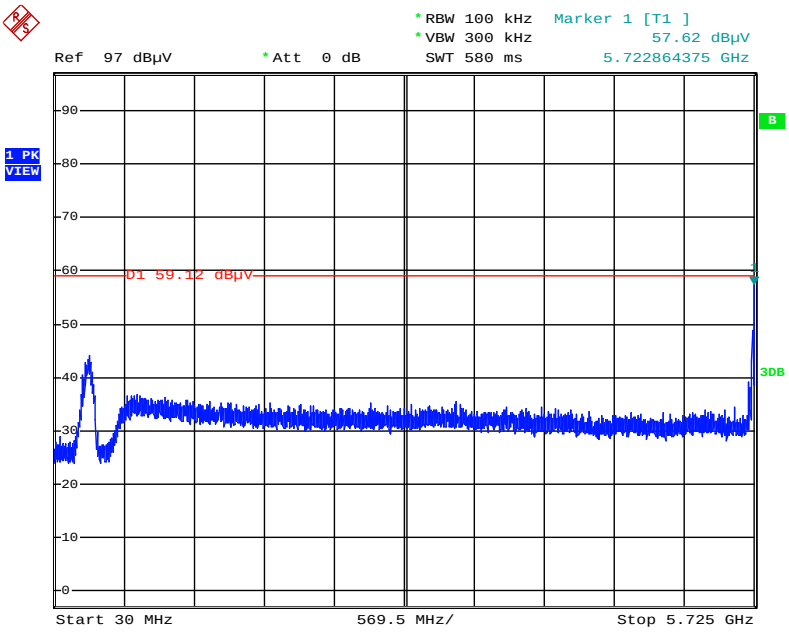
Date: 1.OCT.2014 22:27:54

Plot on Configuration IEEE 802.11n MCS0 HT40 / Reference Level



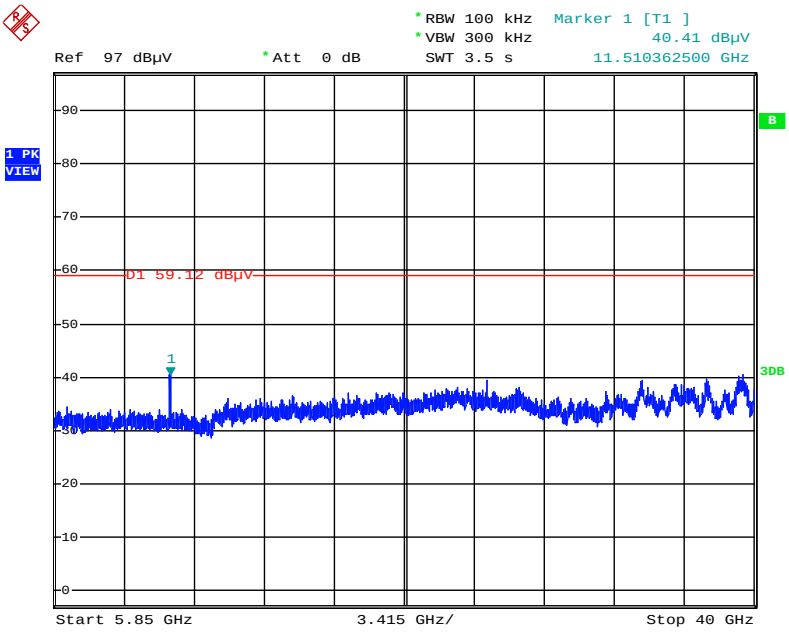
Date: 1.OCT.2014 22:30:44

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 151 / 30MHz~5725MHz (down 30dBc)



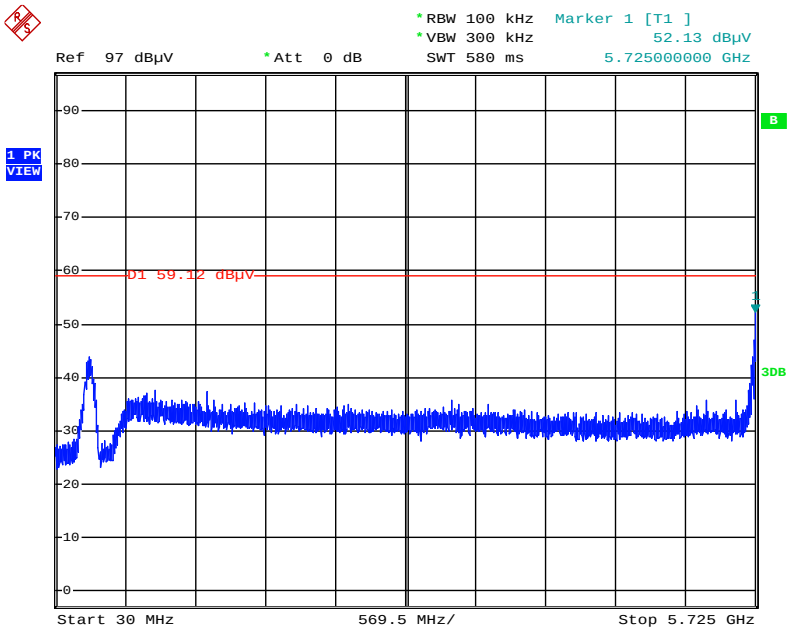
Date: 1.OCT.2014 22:36:15

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 151 / 5850MHz~40000MHz (down 30dBc)



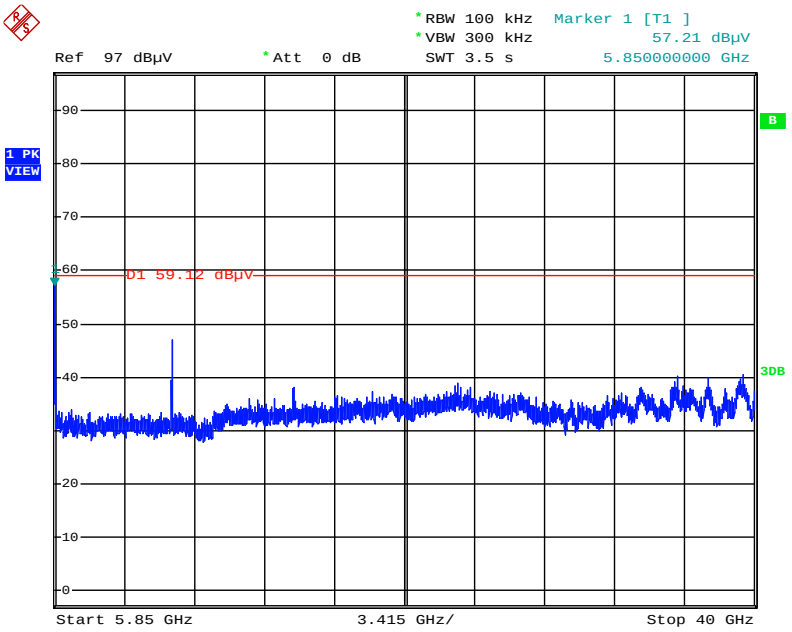
Date: 1.OCT.2014 22:37:44

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 159 / 30MHz~5725MHz (down 30dBc)



Date: 1.OCT.2014 22:31:39

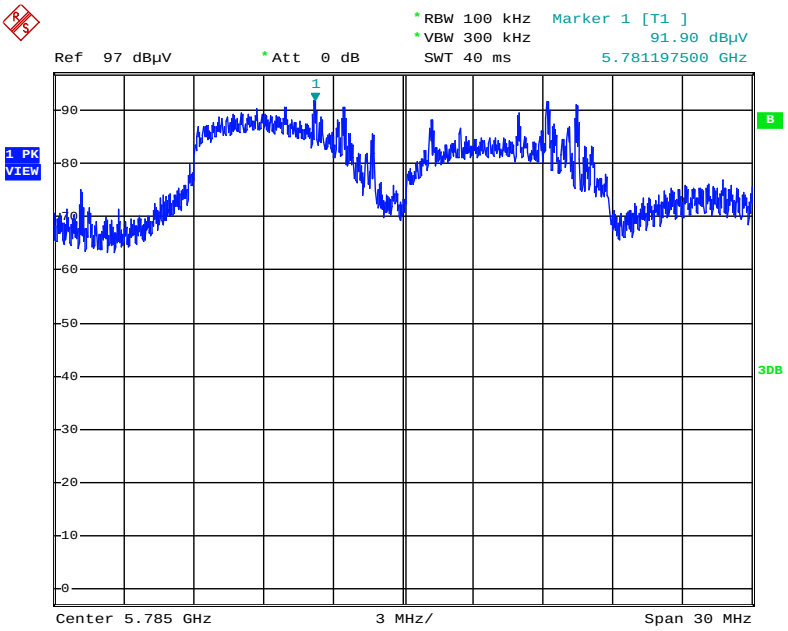
Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 159 / 5850MHz~40000MHz (down 30dBc)



Date: 1.OCT.2014 22:33:16

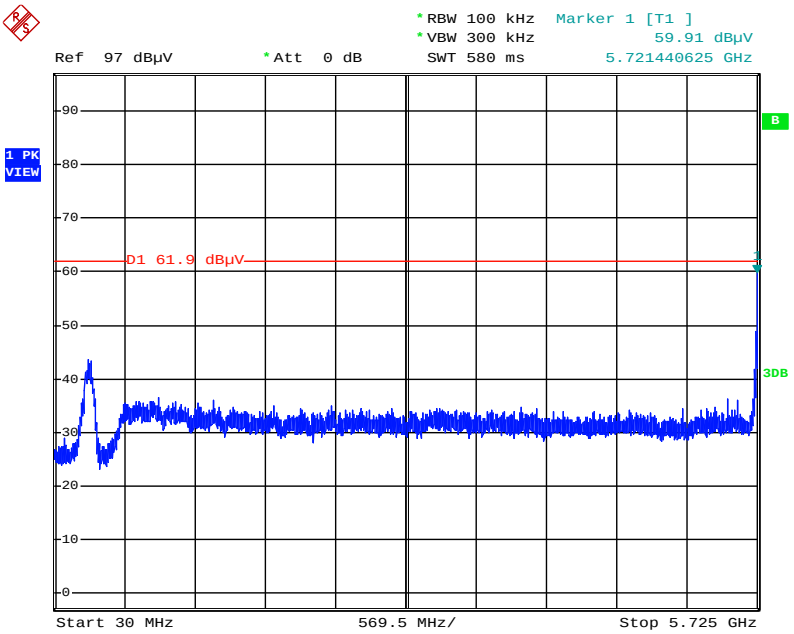
For 3TX

Plot on Configuration IEEE 802.11n MCS0 HT20 / Reference Level



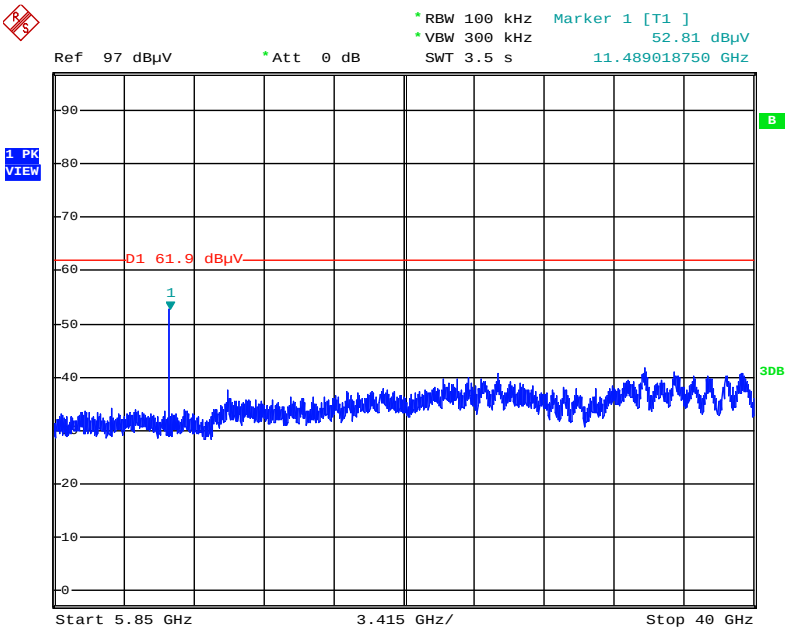
Date: 1.OCT.2014 01:57:30

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 149 / 30MHz~5725MHz (down 30dBc)



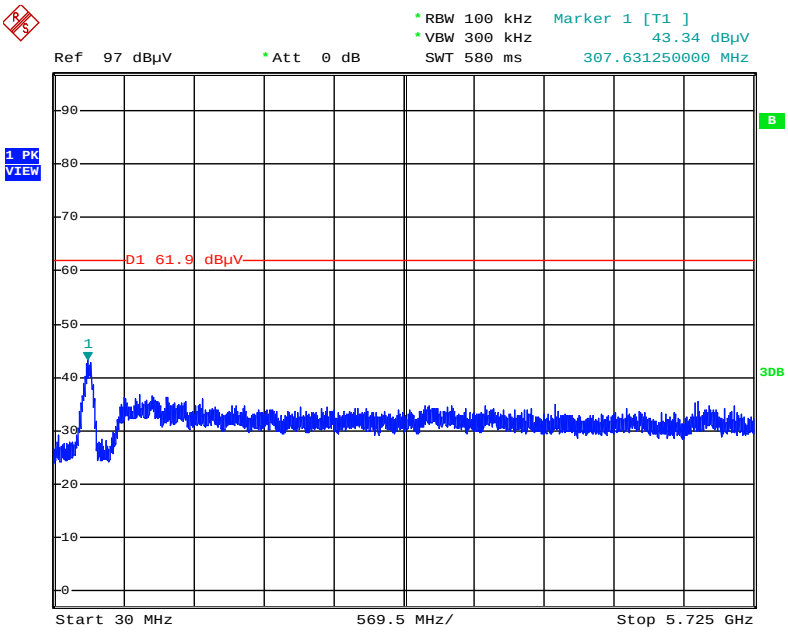
Date: 1.OCT.2014 02:04:32

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 149 / 5850MHz~40000MHz (down 30dBc)



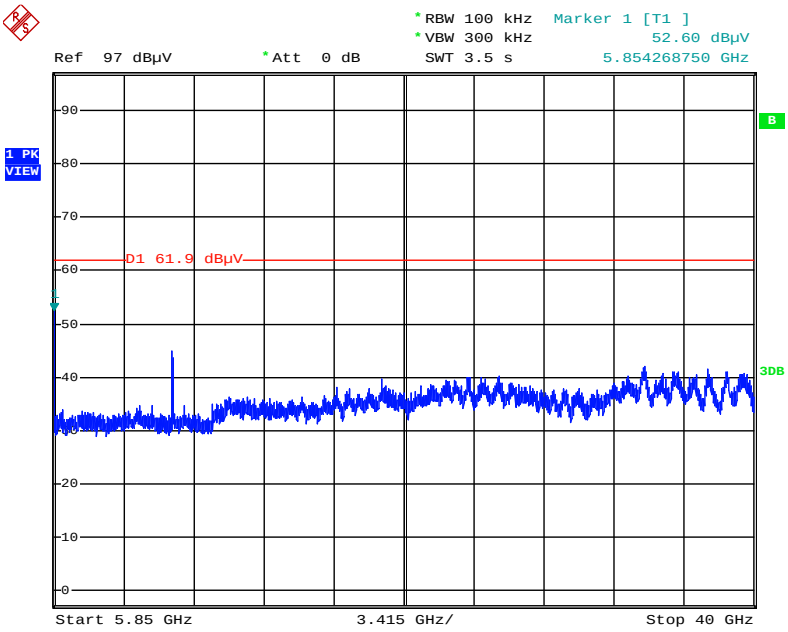
Date: 1.OCT.2014 02:06:23

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 165 / 30MHz~5725MHz (down 30dBc)



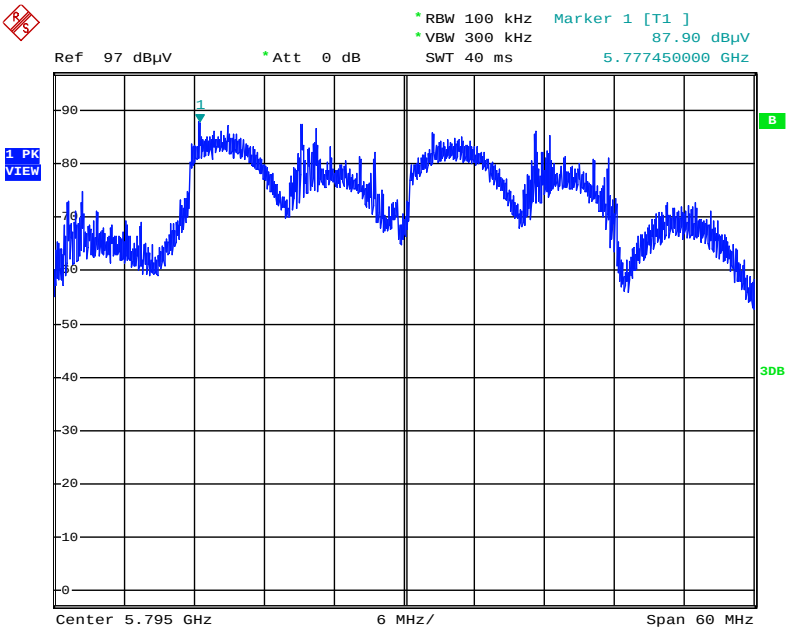
Date: 1.OCT.2014 02:12:46

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 165 / 5850MHz~40000MHz (down 30dBc)



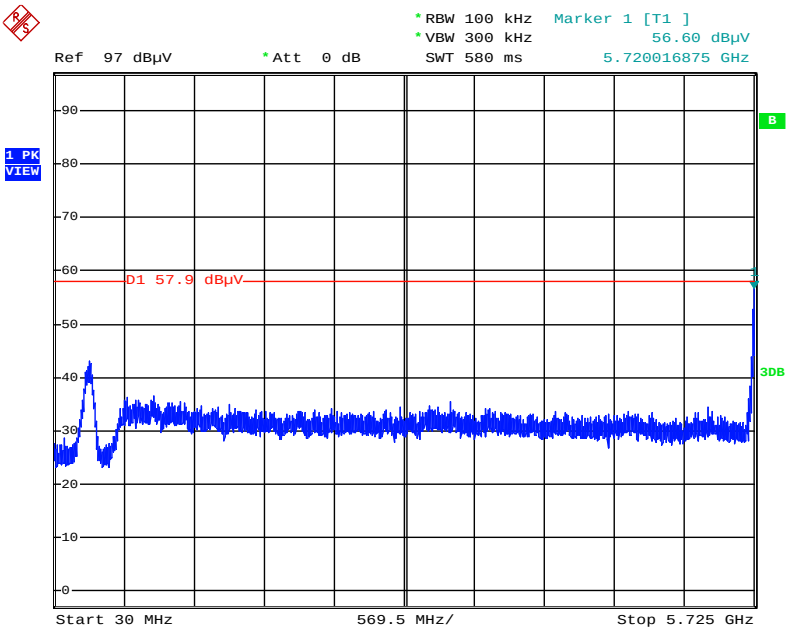
Date: 1.OCT.2014 02:11:36

Plot on Configuration IEEE 802.11n MCS0 HT40 / Reference Level



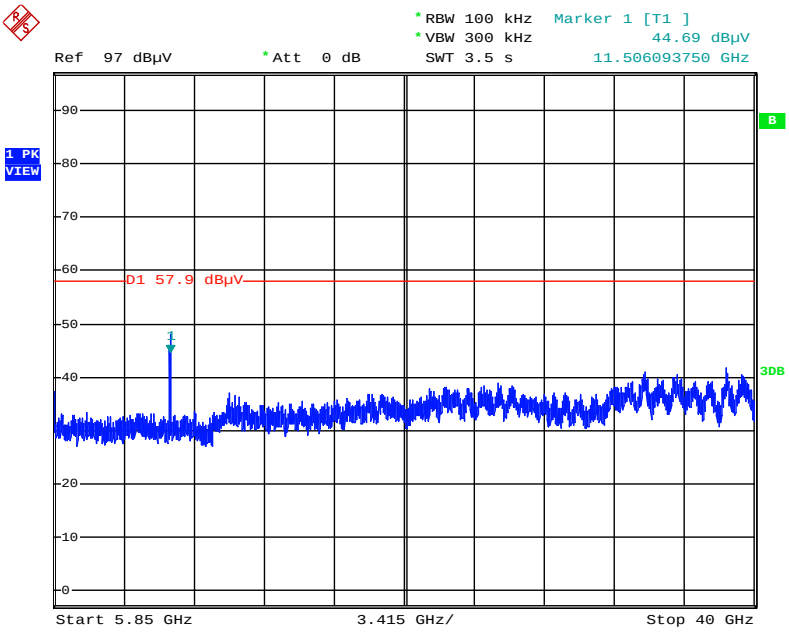
Date: 1.OCT.2014 02:16:58

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 151 / 30MHz~5725MHz (down 30dBc)



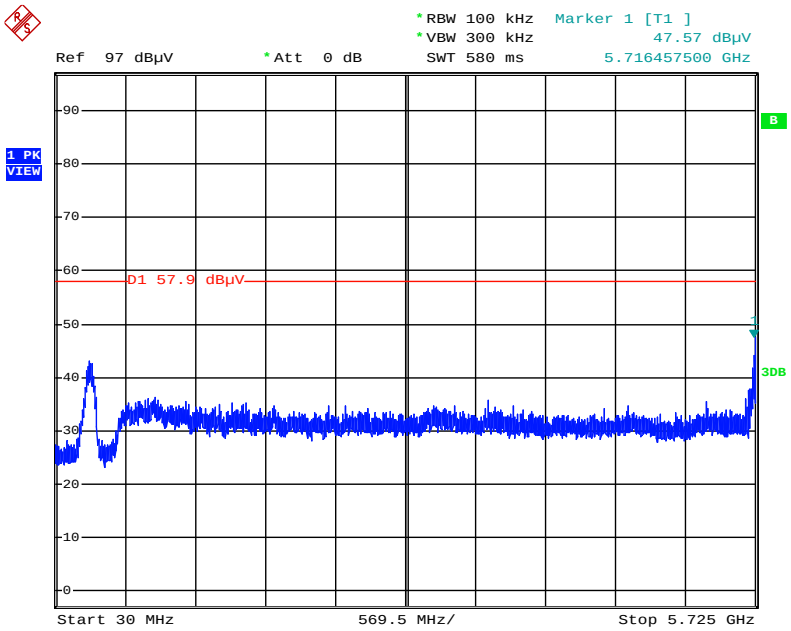
Date: 1.OCT.2014 02:27:33

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 151 / 5850MHz~40000MHz (down 30dBc)



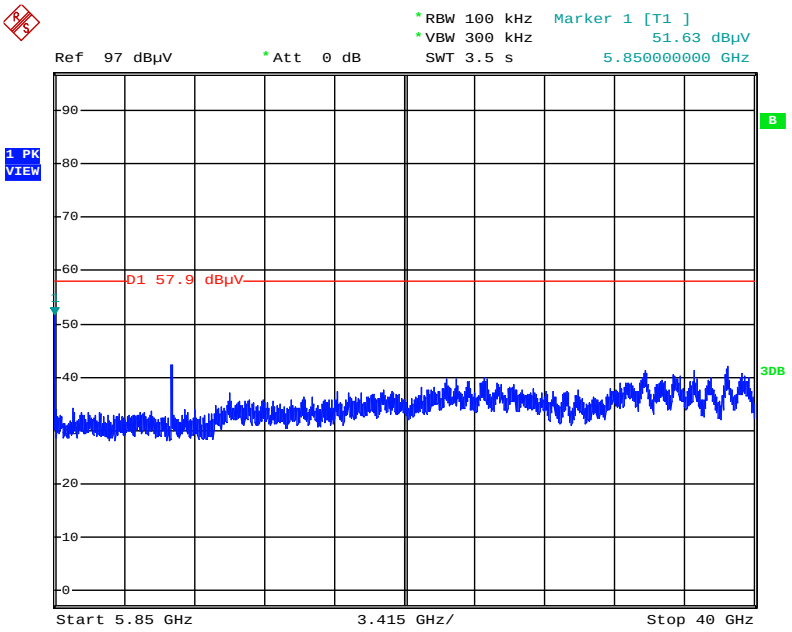
Date: 1.OCT.2014 02:25:28

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 159 / 30MHz~5725MHz (down 30dBc)



Date: 1.OCT.2014 02:18:24

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 159 / 5850MHz~40000MHz (down 30dBc)



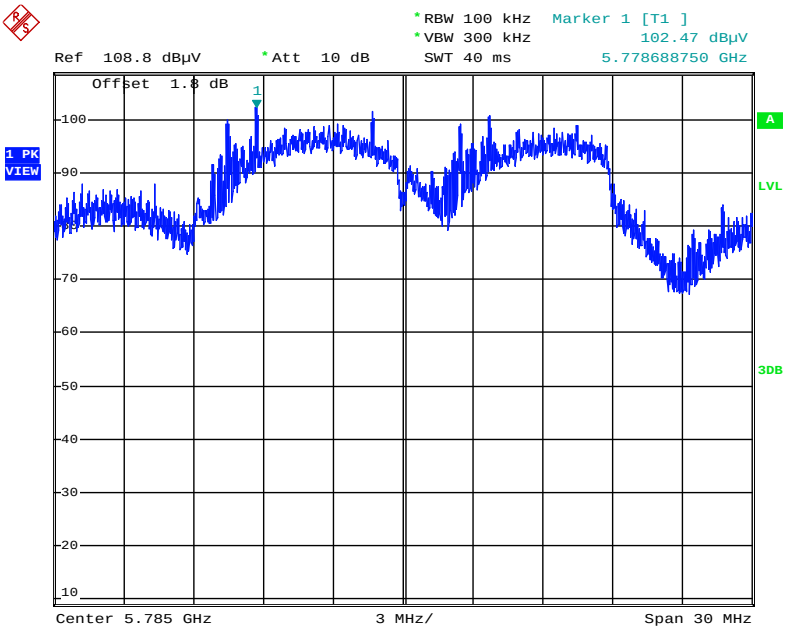
Date: 1.OCT.2014 02:20:50

Mode 6 (Ant.32 3-Port Dual-Band Directional Panel antenna / Chain 1: 6.7, Chain 2: 4.3, Chain 3: 6.6dBi)

For Beamforming Mode

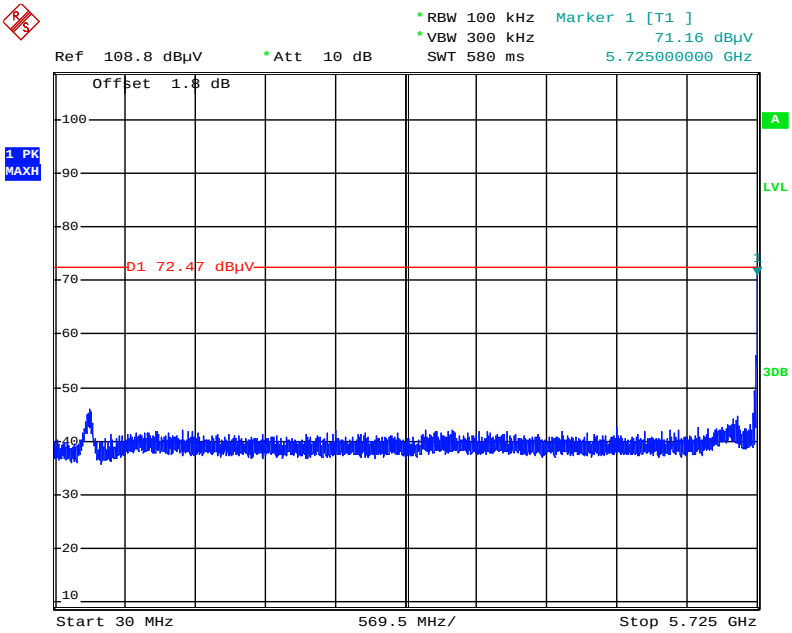
For 3TX

Plot on Configuration IEEE 802.11n MCS0 HT20 / Reference Level



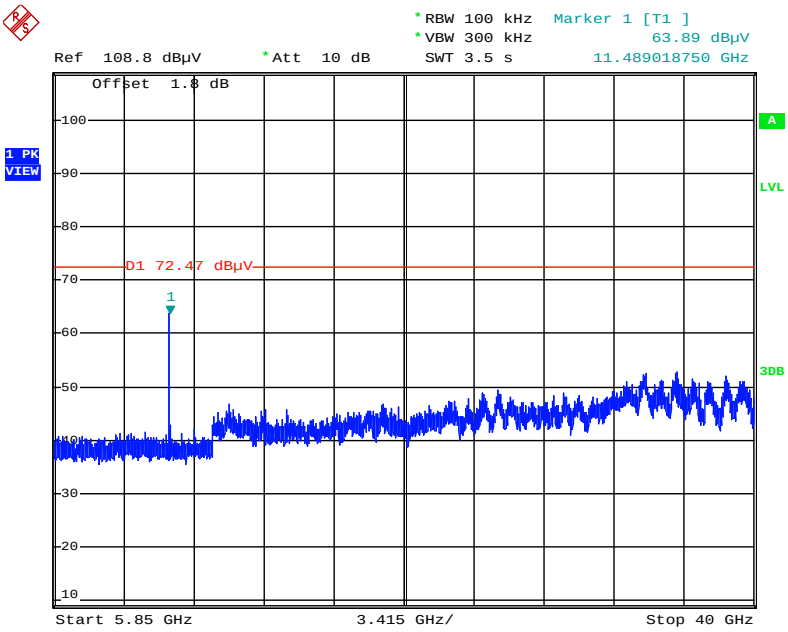
Date: 25.SEP.2014 22:59:44

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 149 / 30MHz~5725MHz (down 30dBc)



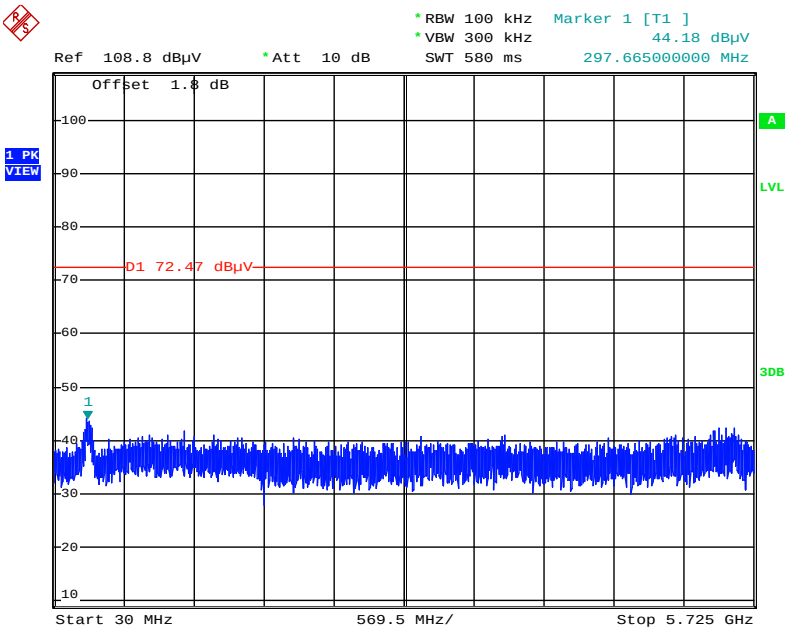
Date: 25.SEP.2014 23:08:55

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 149 / 5850MHz~40000MHz (down 30dBc)



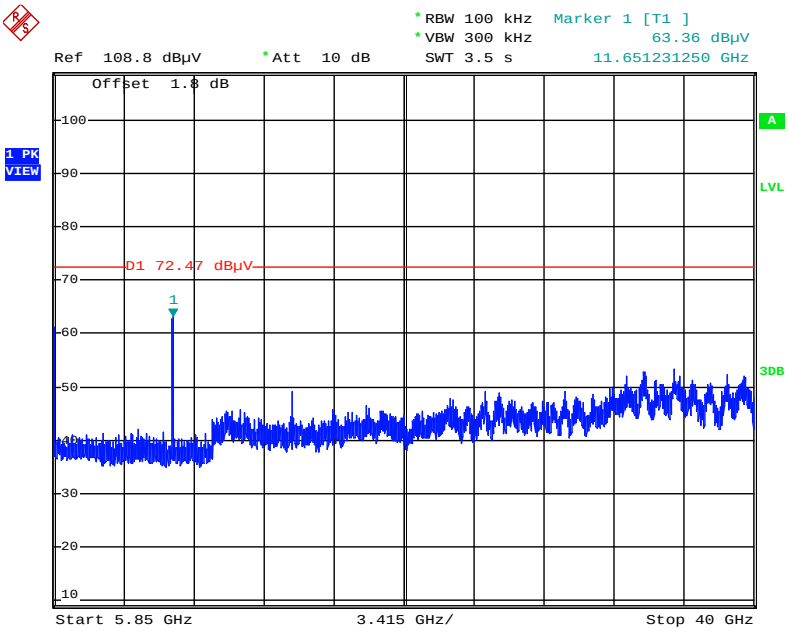
Date: 25.SEP.2014 23:09:25

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 165 / 30MHz~5725MHz (down 30dBc)



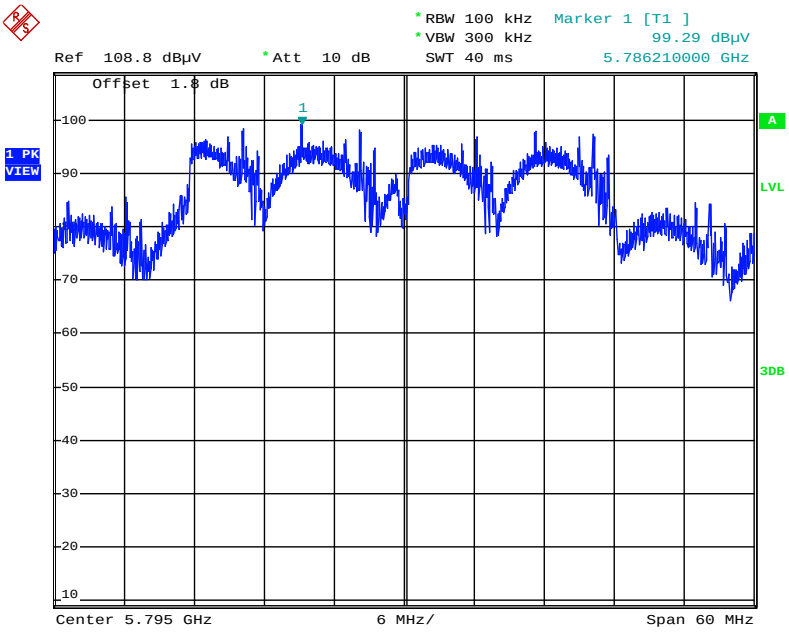
Date: 25.SEP.2014 23:11:38

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 165 / 5850MHz~40000MHz (down 30dBc)



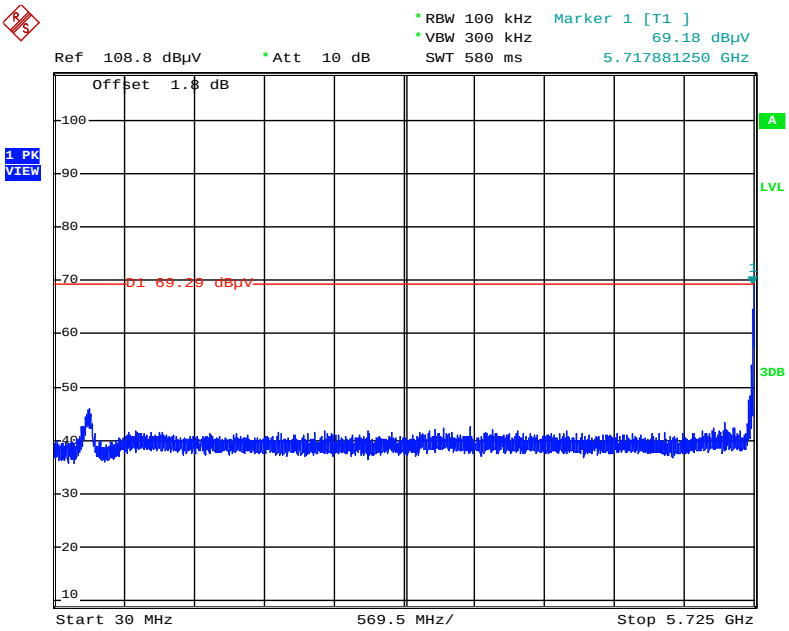
Date: 25.SEP.2014 23:11:15

Plot on Configuration IEEE 802.11n MCS0 HT40 / Reference Level



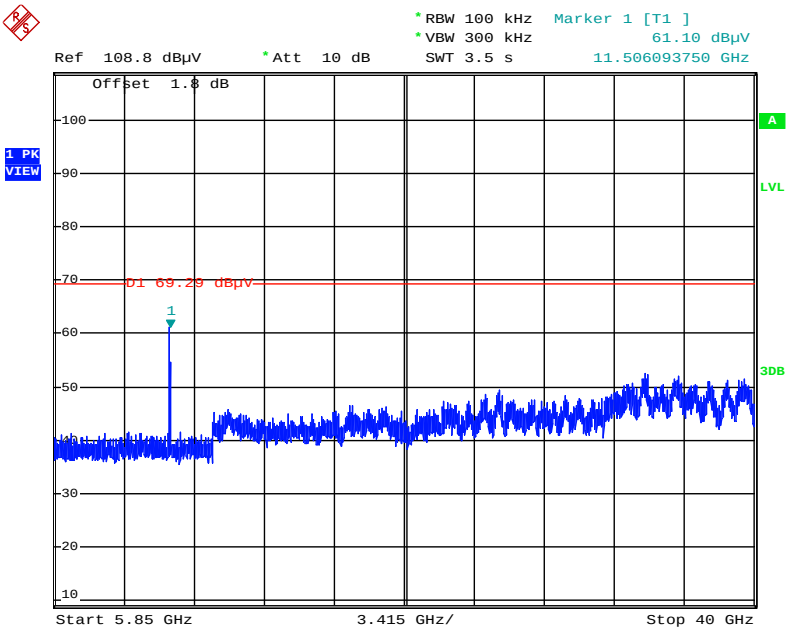
Date: 25.SEP.2014 23:17:57

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 151 / 30MHz~5725MHz (down 30dBc)



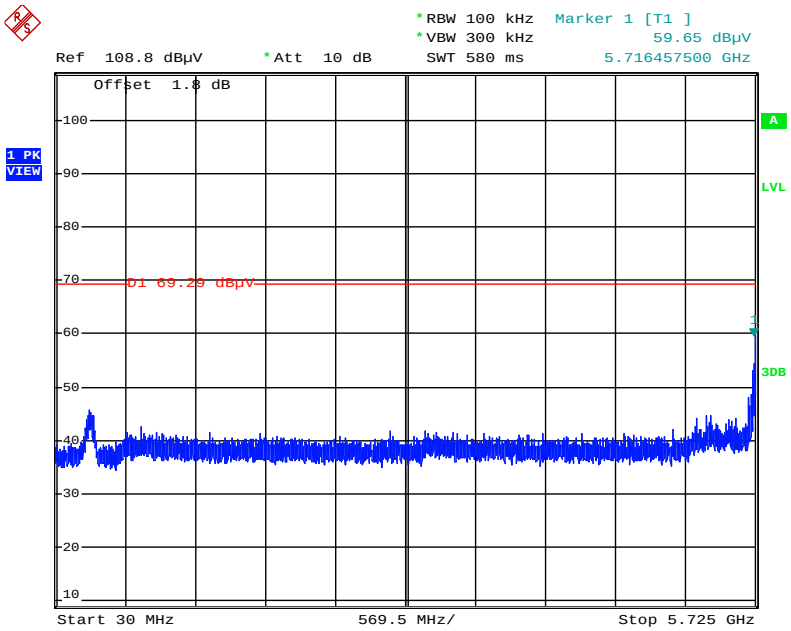
Date: 25.SEP.2014 23:21:53

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 151 / 5850MHz~40000MHz (down 30dBc)



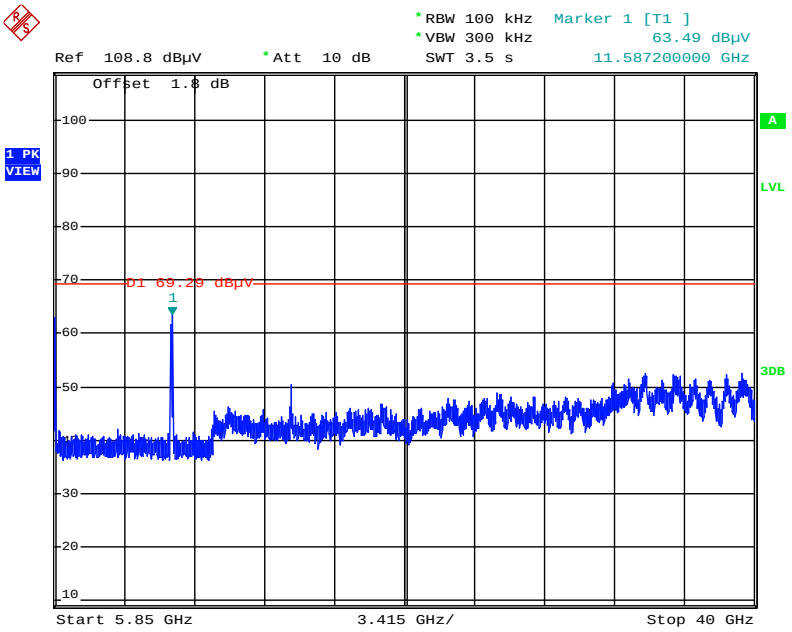
Date: 25.SEP.2014 23:22:45

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 159 / 30MHz~5725MHz (down 30dBc)



Date: 25.SEP.2014 23:18:40

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 159 / 5850MHz~40000MHz (down 30dBc)

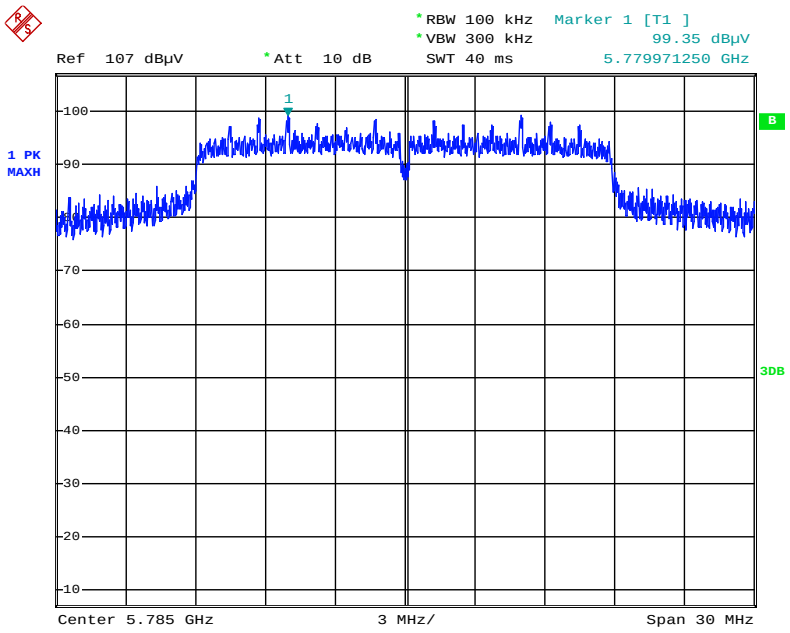


Date: 25.SEP.2014 23:19:59

For Non-Beamforming Mode

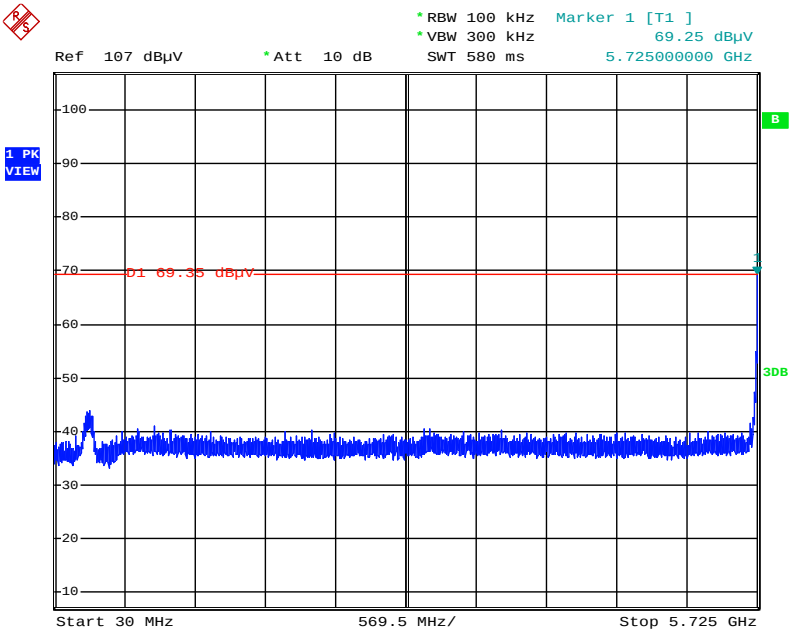
For 1TX

Plot on Configuration IEEE 802.11n MCS0 HT20 / Reference Level



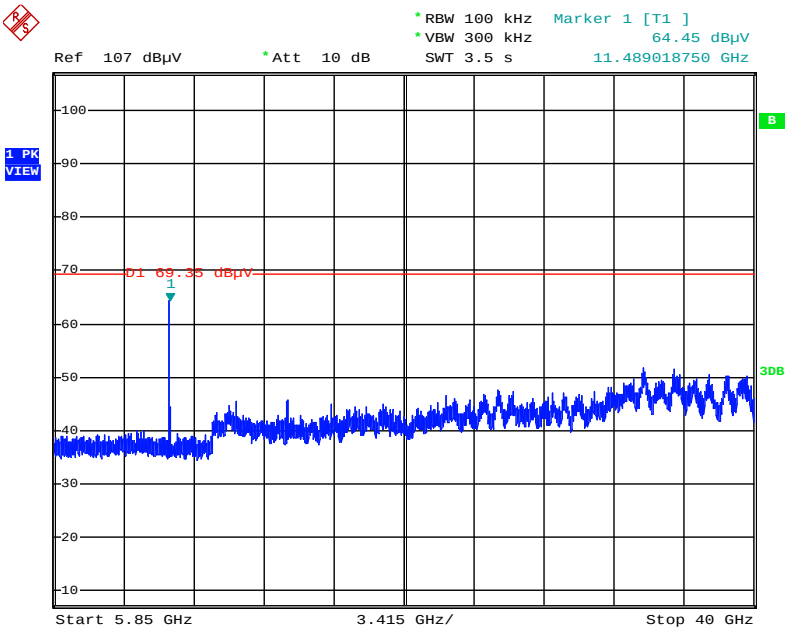
Date: 26.SEP.2014 02:04:06

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 149 / 30MHz~5725MHz (down 30dBc)



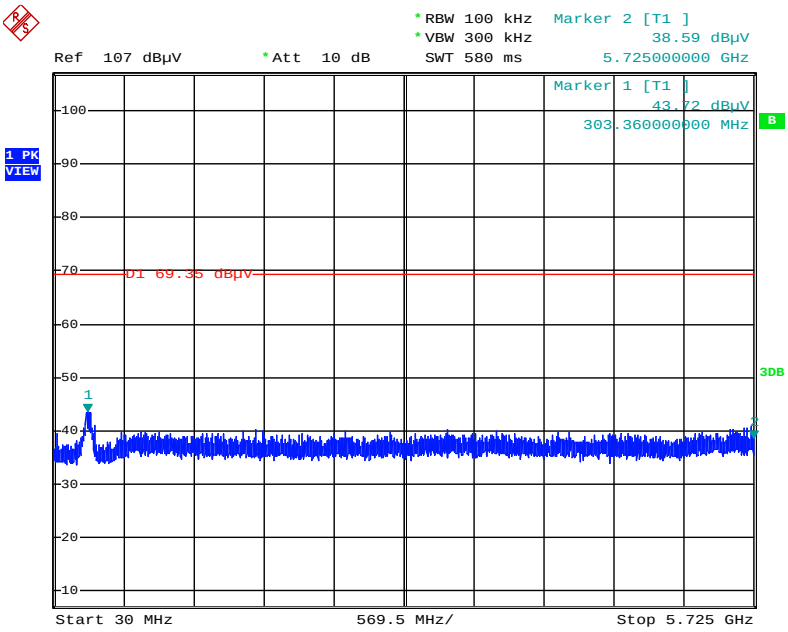
Date: 26.SEP.2014 02:11:23

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 149 / 5850MHz~40000MHz (down 30dBc)



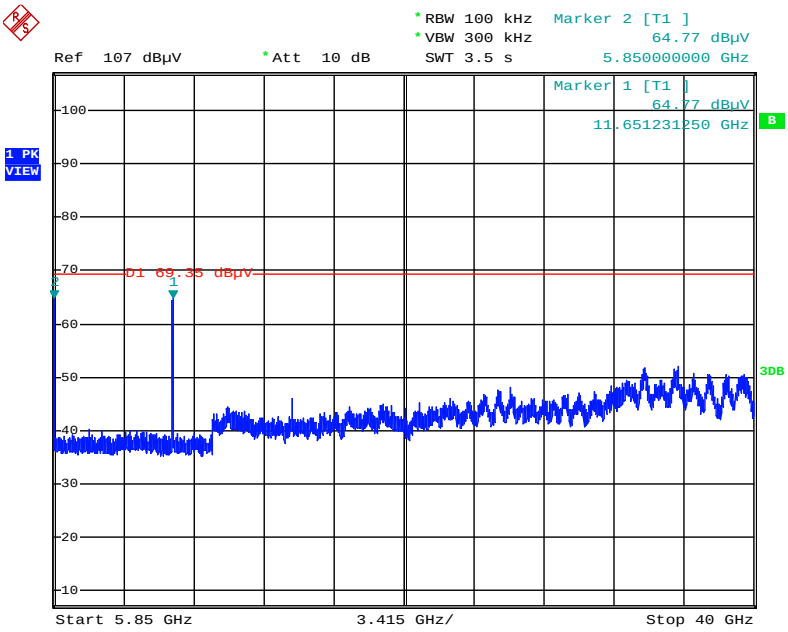
Date: 26.SEP.2014 02:11:47

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 165 / 30MHz~5725MHz (down 30dBc)



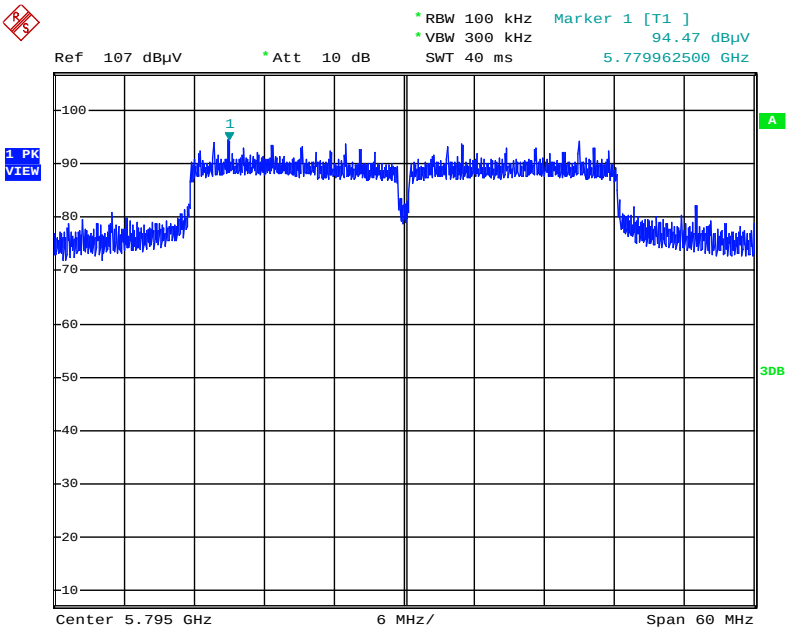
Date: 26.SEP.2014 02:13:42

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 165 / 5850MHz~40000MHz (down 30dBc)



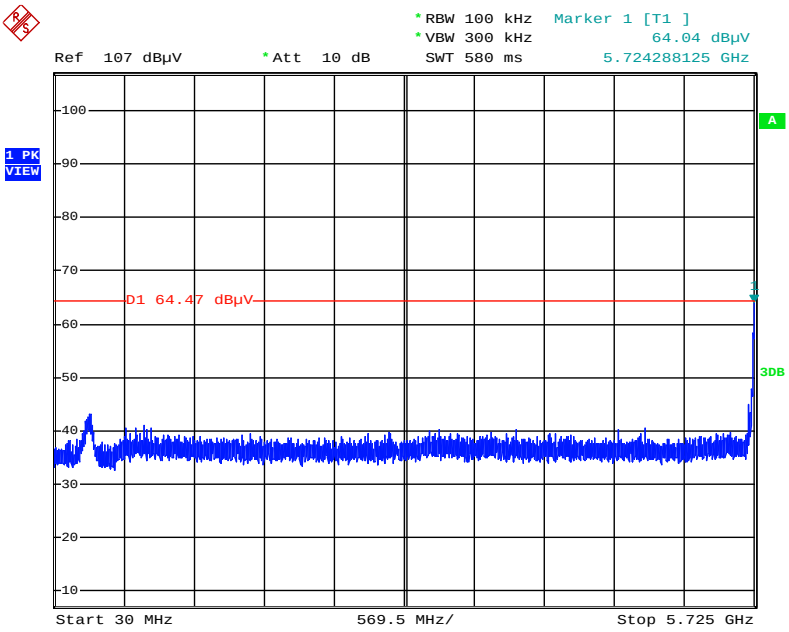
Date: 26.SEP.2014 02:12:55

Plot on Configuration IEEE 802.11n MCS0 HT40 / Reference Level



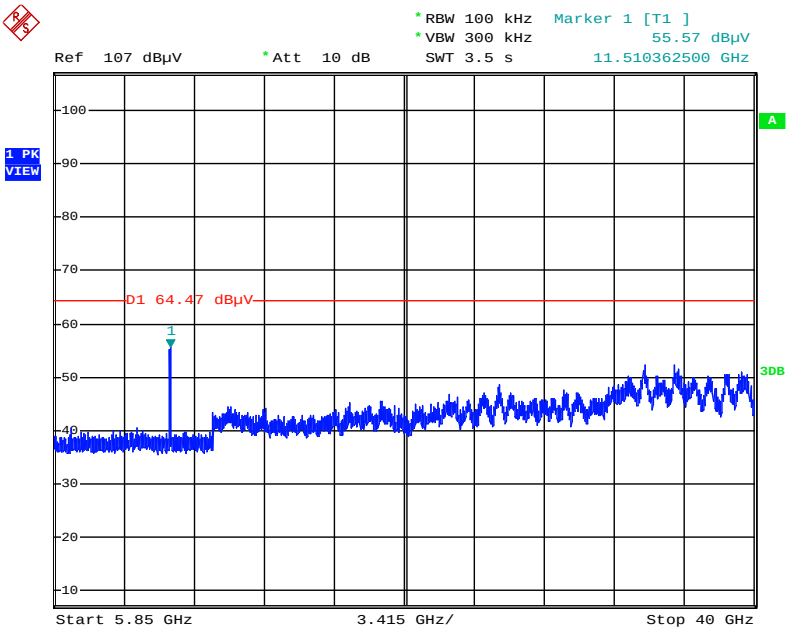
Date: 25.SEP.2014 22:25:10

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 151 / 30MHz~5725MHz (down 30dBc)



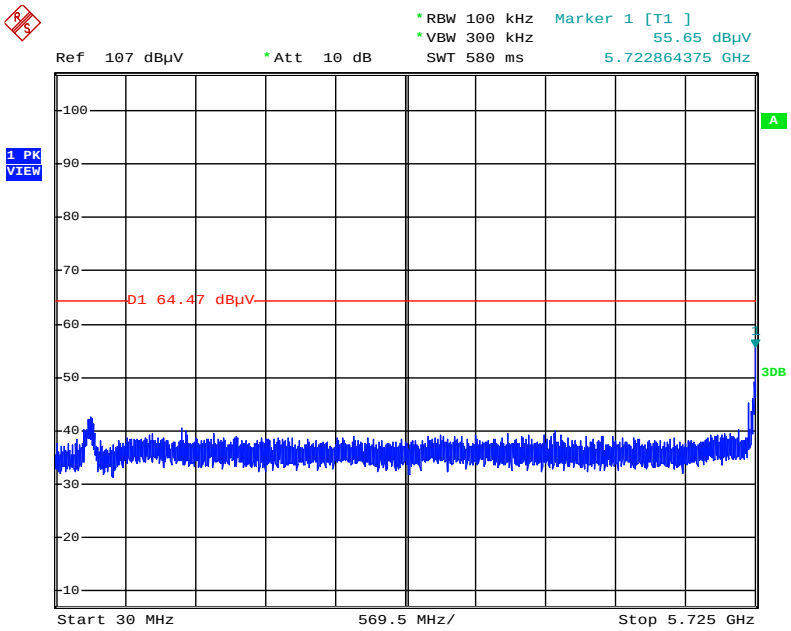
Date: 25.SEP.2014 22:32:42

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 151 / 5850MHz~40000MHz (down 30dBc)



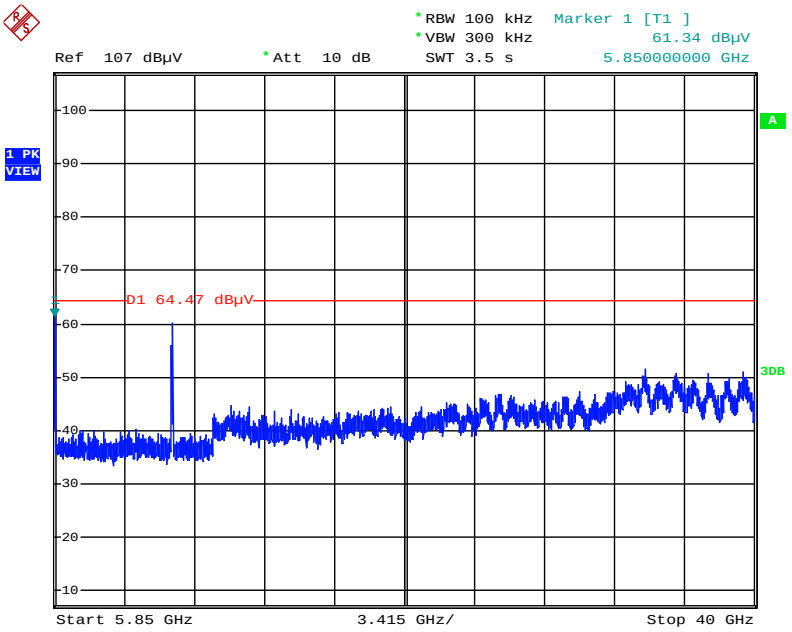
Date: 25.SEP.2014 22:34:01

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 159 / 30MHz~5725MHz (down 30dBc)



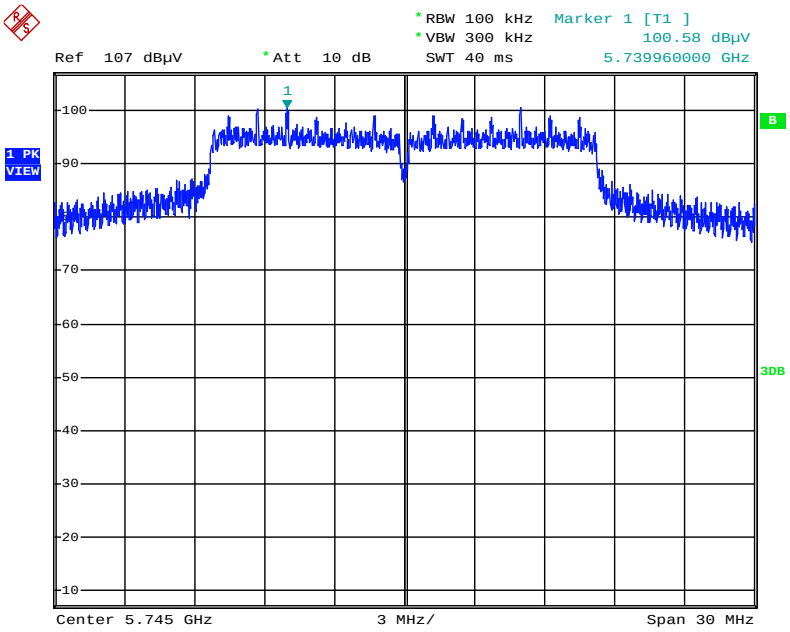
Date: 25.SEP.2014 22:26:04

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 159 / 5850MHz~40000MHz (down 30dBc)



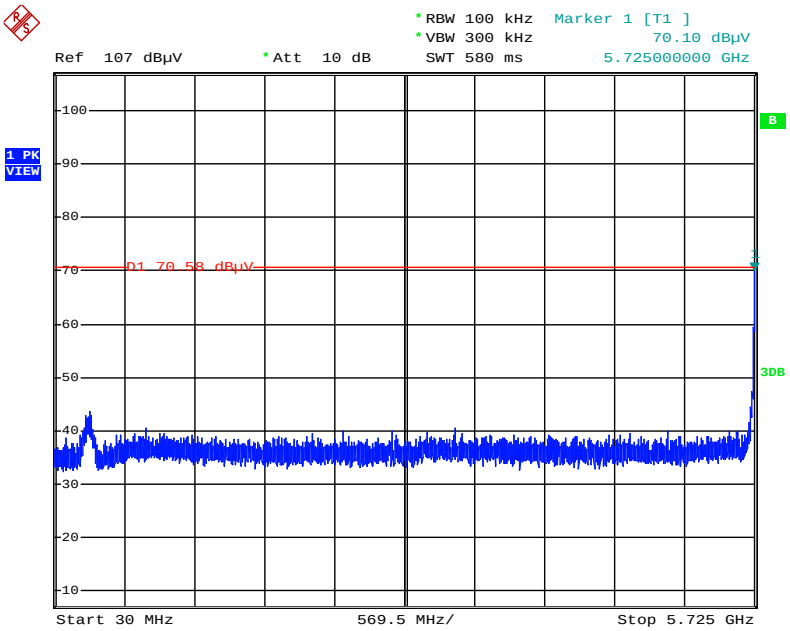
Date: 25.SEP.2014 22:27:24

Plot on Configuration IEEE 802.11a / Reference Level



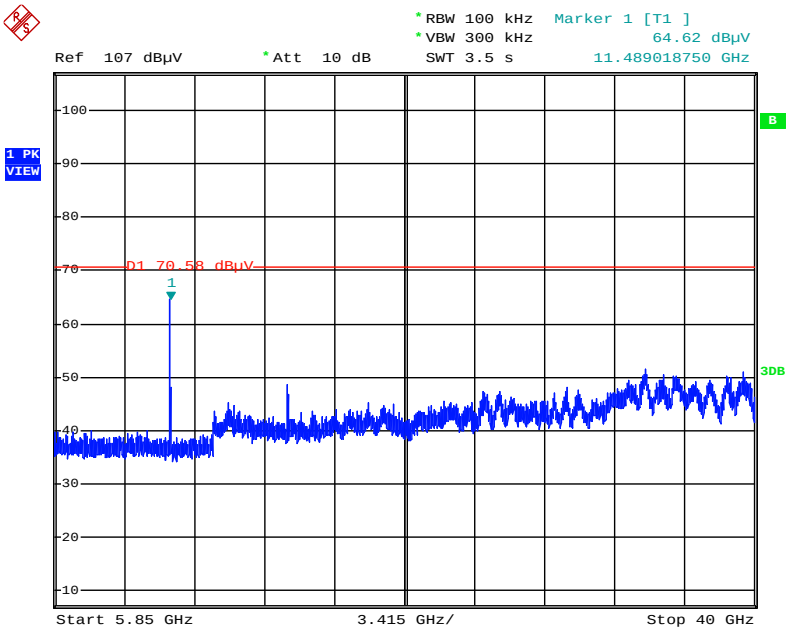
Date: 26.SEP.2014 02:15:32

Plot on Configuration IEEE 802.11a / CH 149 / 30MHz~5725MHz (down 30dBc)



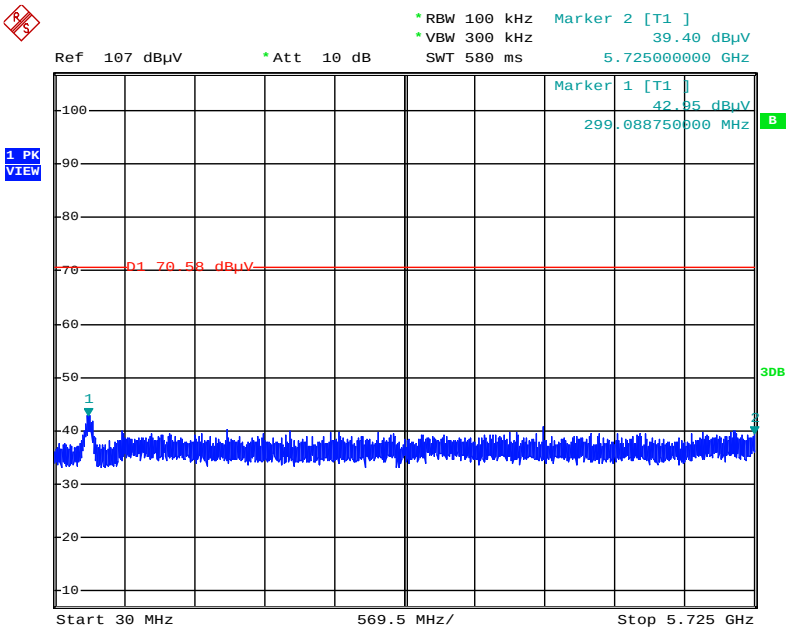
Date: 26.SEP.2014 02:20:54

Plot on Configuration IEEE 802.11a / CH 149 / 5850MHz~40000MHz (down 30dBc)



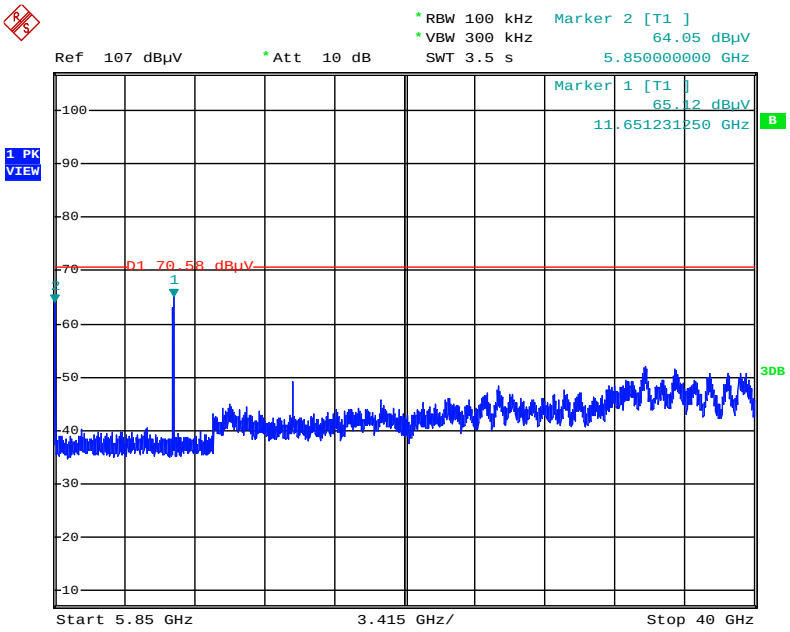
Date: 26.SEP.2014 02:21:28

Plot on Configuration IEEE 802.11a / CH 165 / 30MHz~5725MHz (down 30dBc)



Date: 26.SEP.2014 02:22:34

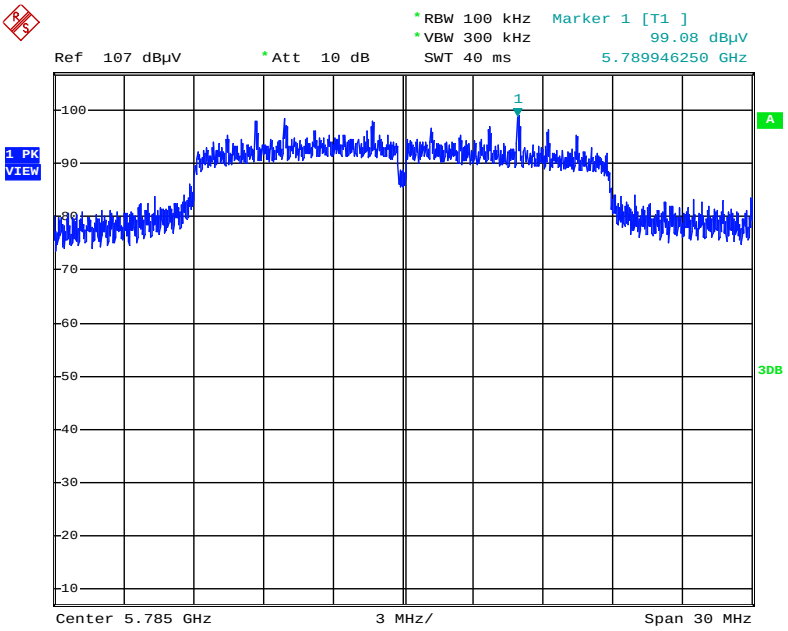
Plot on Configuration IEEE 802.11a / CH 165 / 5850MHz~40000MHz (down 30dBc)



Date: 26.SEP.2014 02:22:11

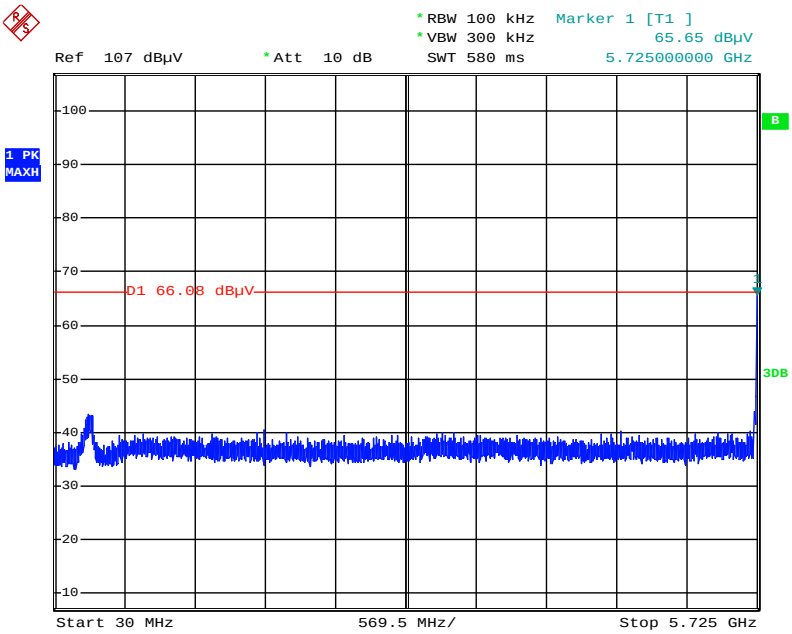
For 2TX

Plot on Configuration IEEE 802.11n MCS0 HT20 / Reference Level



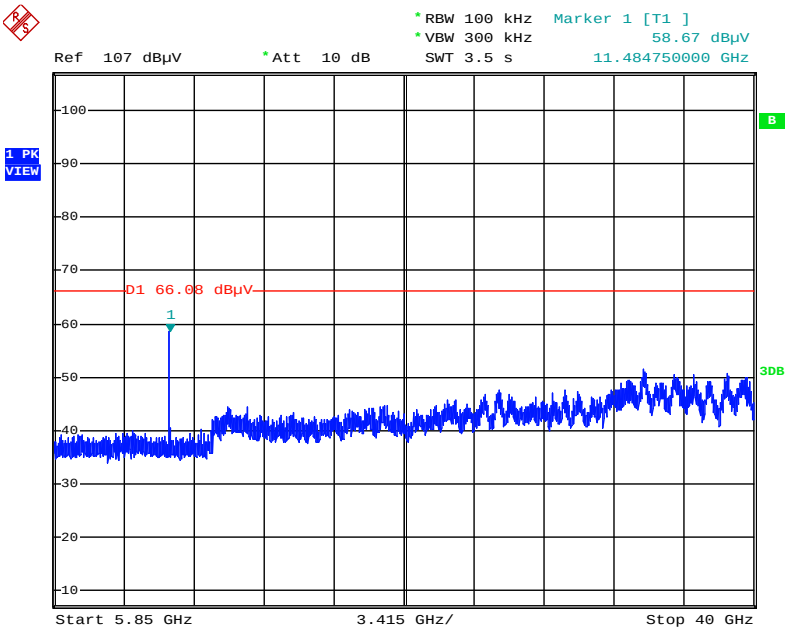
Date: 25.SEP.2014 23:55:41

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 149 / 30MHz~5725MHz (down 30dBc)



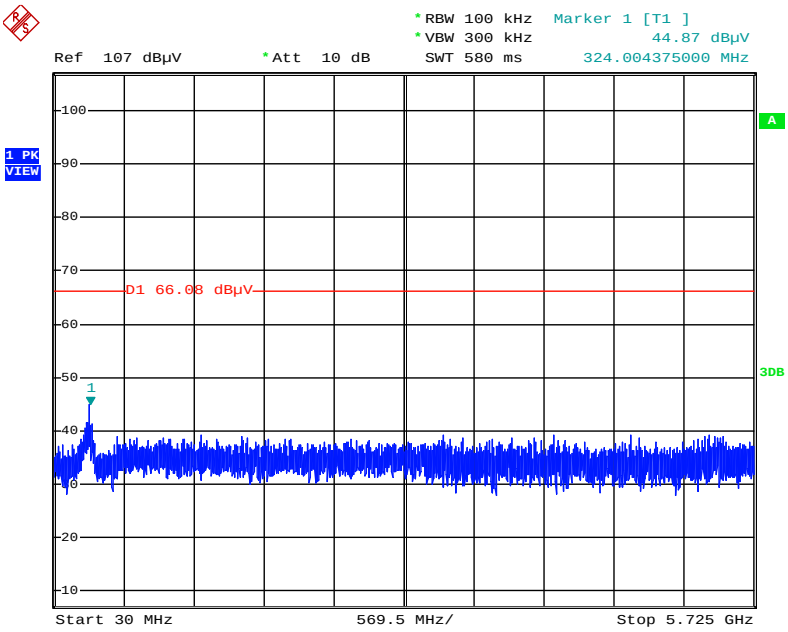
Date: 26.SEP.2014 00:00:16

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 149 / 5850MHz~40000MHz (down 30dBc)



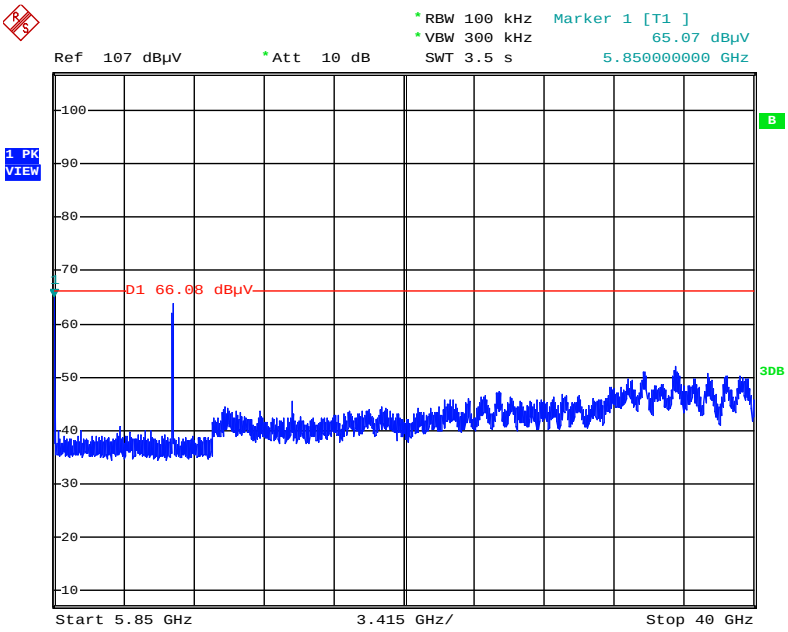
Date: 26.SEP.2014 00:00:44

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 165 / 30MHz~5725MHz (down 30dBc)



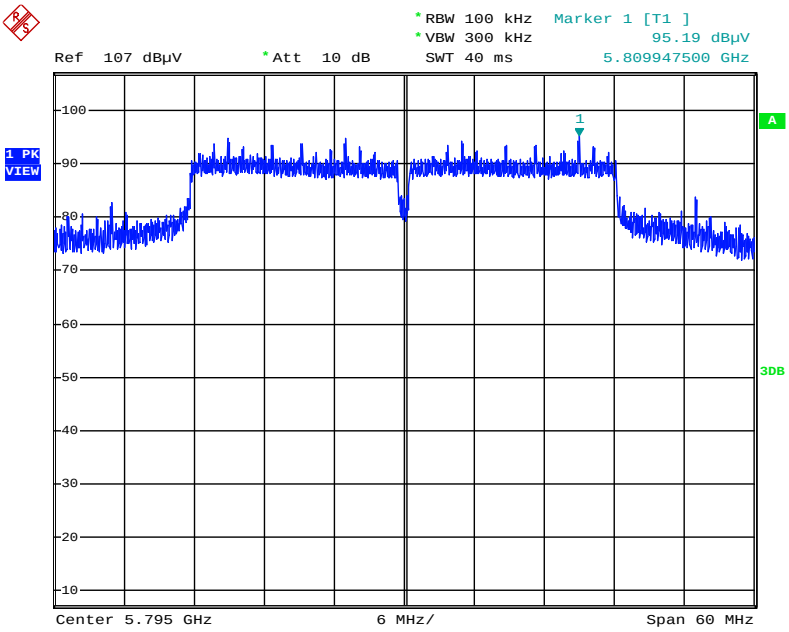
Date: 25.SEP.2014 23:56:47

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 165 / 5850MHz~40000MHz (down 30dBc)



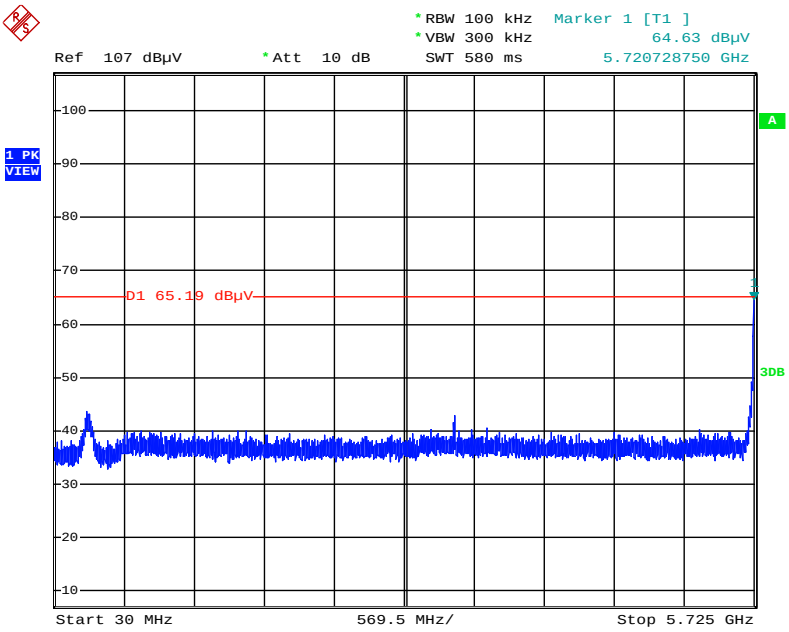
Date: 25.SEP.2014 23:59:03

Plot on Configuration IEEE 802.11n MCS0 HT40 / Reference Level



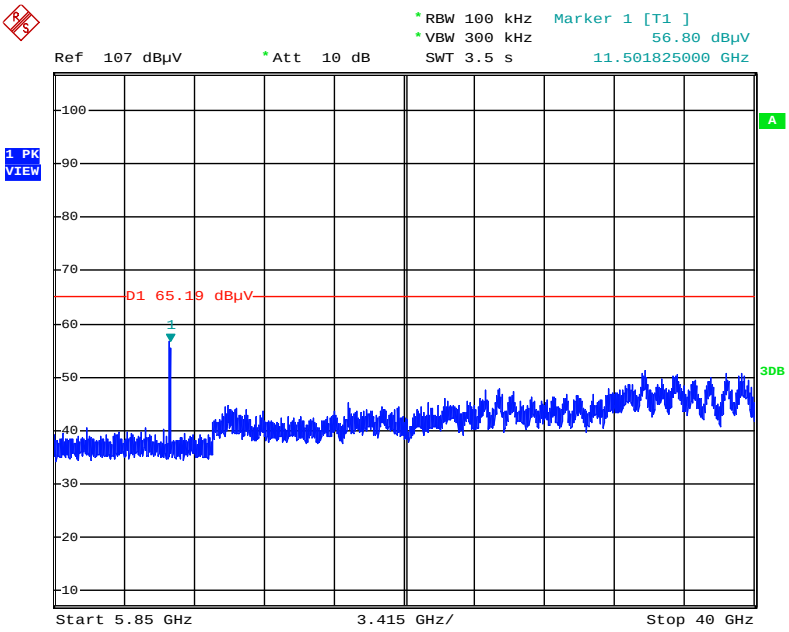
Date: 25.SEP.2014 23:43:56

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 151 / 30MHz~5725MHz (down 30dBc)



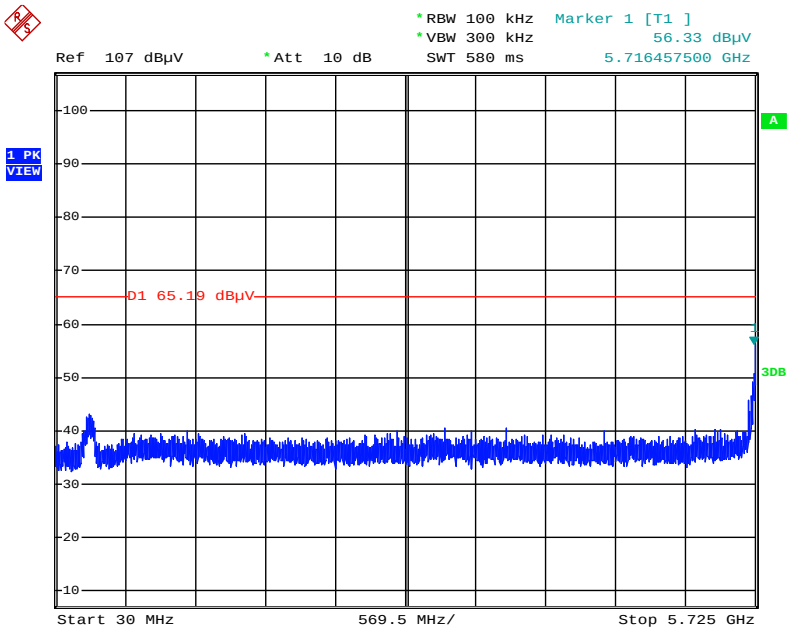
Date: 25.SEP.2014 23:48:22

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 151 / 5850MHz~40000MHz (down 30dBc)



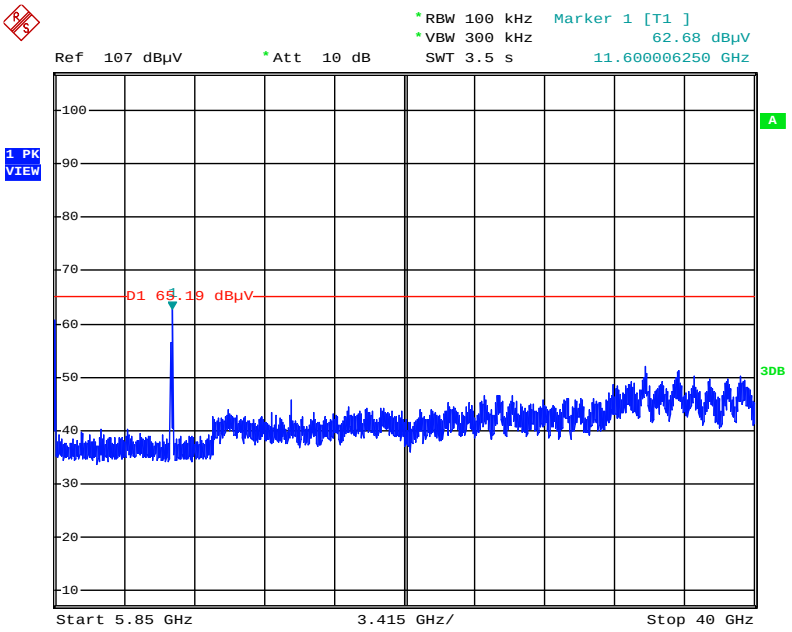
Date: 25.SEP.2014 23:48:57

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 159 / 30MHz~5725MHz (down 30dBc)



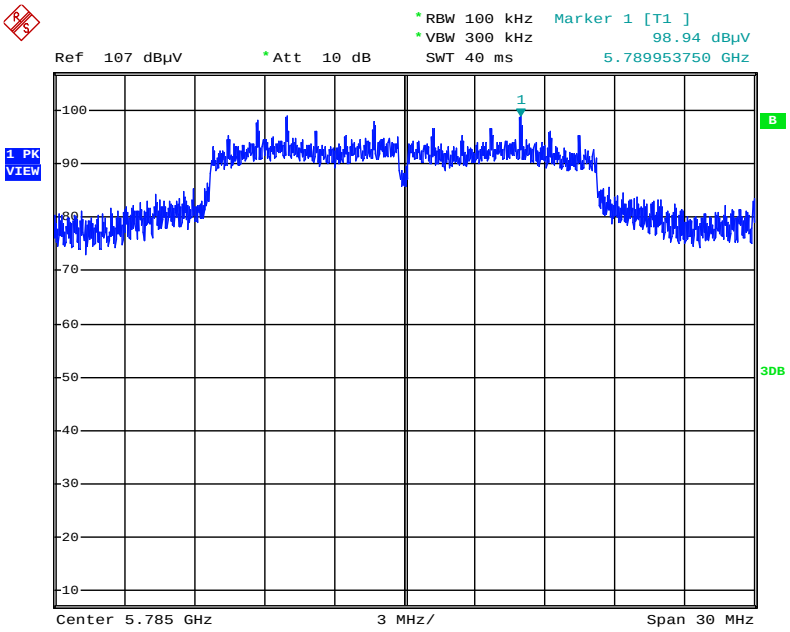
Date: 25.SEP.2014 23:44:38

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 159 / 5850MHz~40000MHz (down 30dBc)



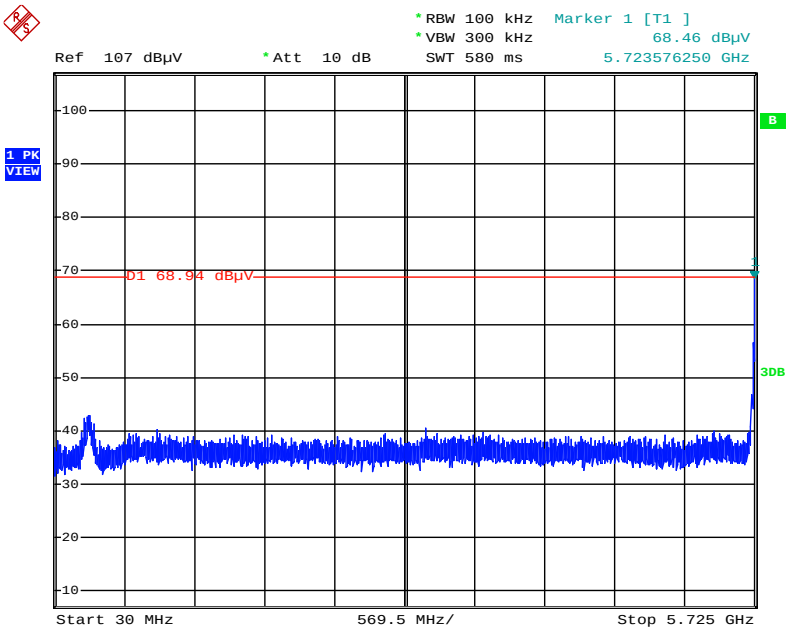
Date: 25.SEP.2014 23:45:25

Plot on Configuration IEEE 802.11a / Reference Level



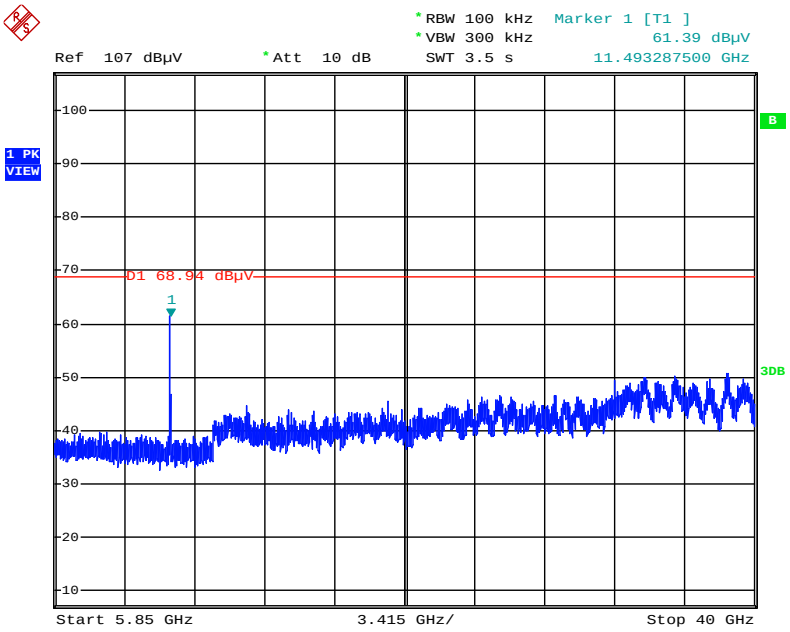
Date: 26.SEP.2014 00:02:38

Plot on Configuration IEEE 802.11a / CH 149 / 30MHz~5725MHz (down 30dBc)



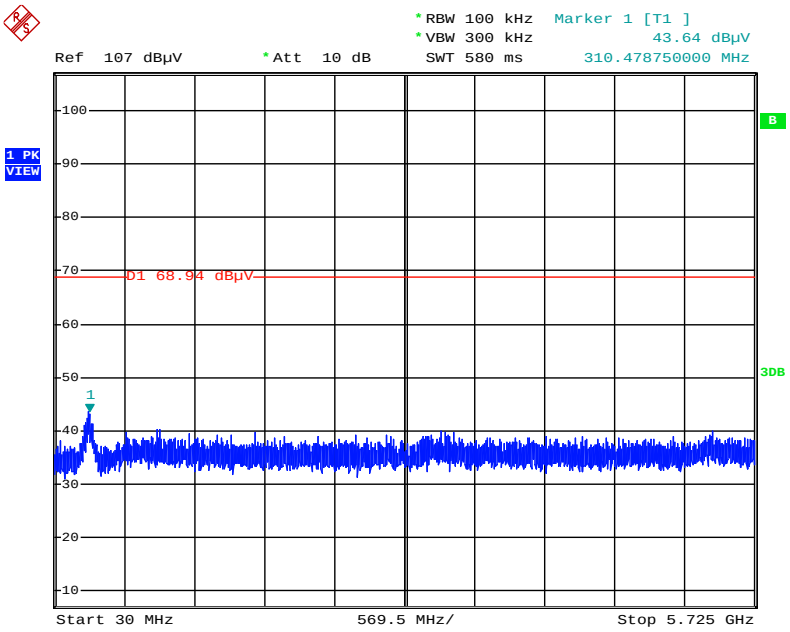
Date: 26.SEP.2014 00:03:55

Plot on Configuration IEEE 802.11a / CH 149 / 5850MHz~40000MHz (down 30dBc)



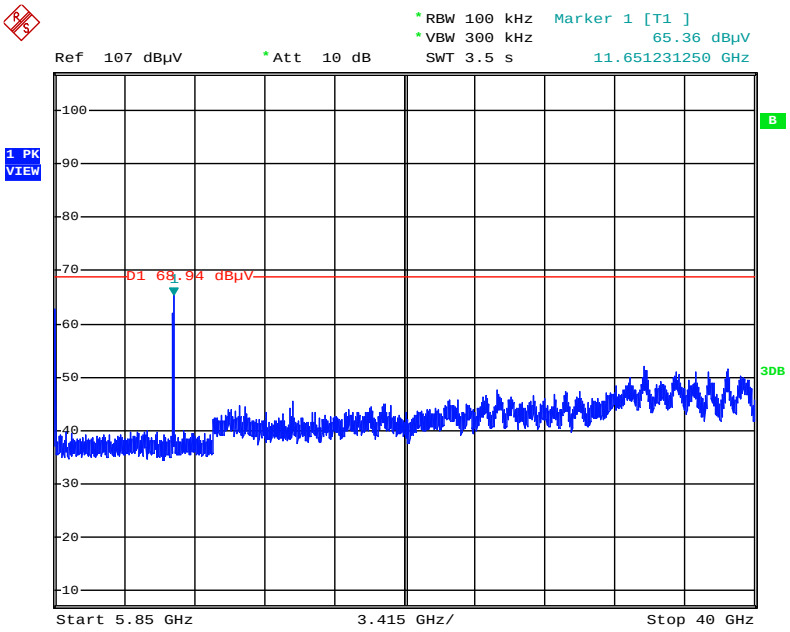
Date: 26.SEP.2014 00:04:29

Plot on Configuration IEEE 802.11a / CH 165 / 30MHz~5725MHz (down 30dBc)



Date: 26.SEP.2014 00:05:39

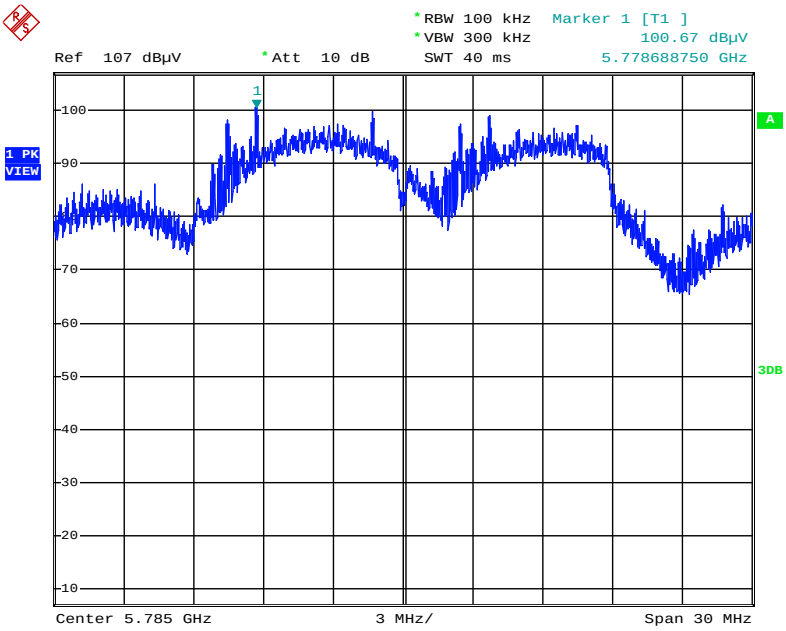
Plot on Configuration IEEE 802.11a / CH 165 / 5850MHz~40000MHz (down 30dBc)



Date: 26.SEP.2014 00:05:16

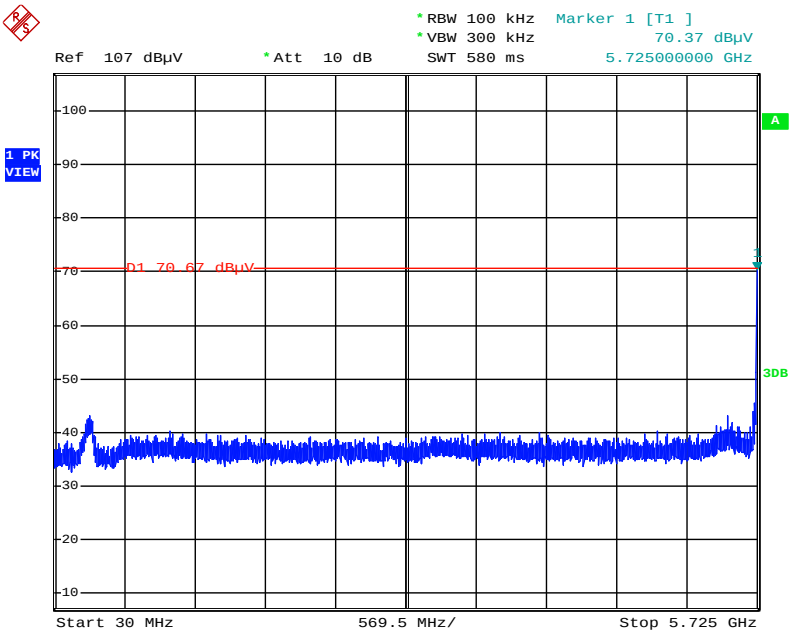
For 3TX

Plot on Configuration IEEE 802.11n MCS0 HT20 / Reference Level



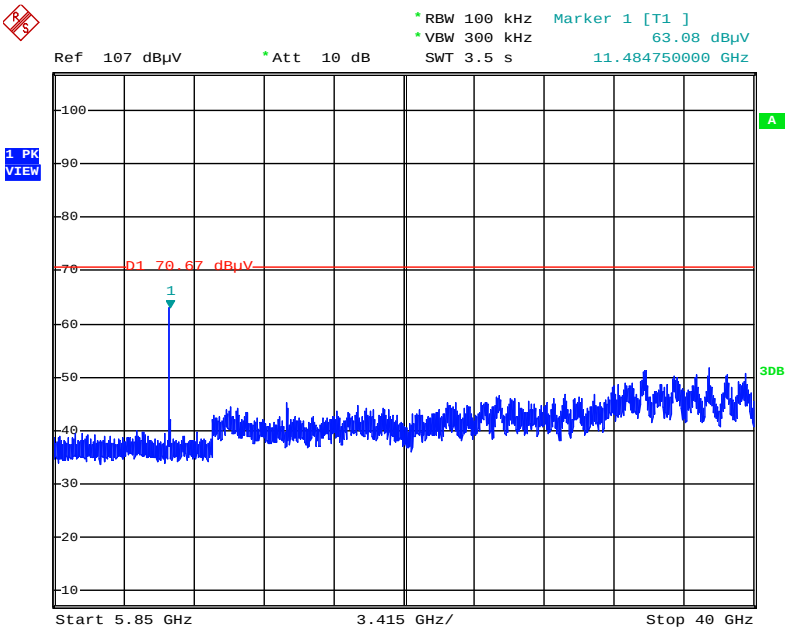
Date: 25.SEP.2014 22:59:13

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 149 / 30MHz~5725MHz (down 30dBc)



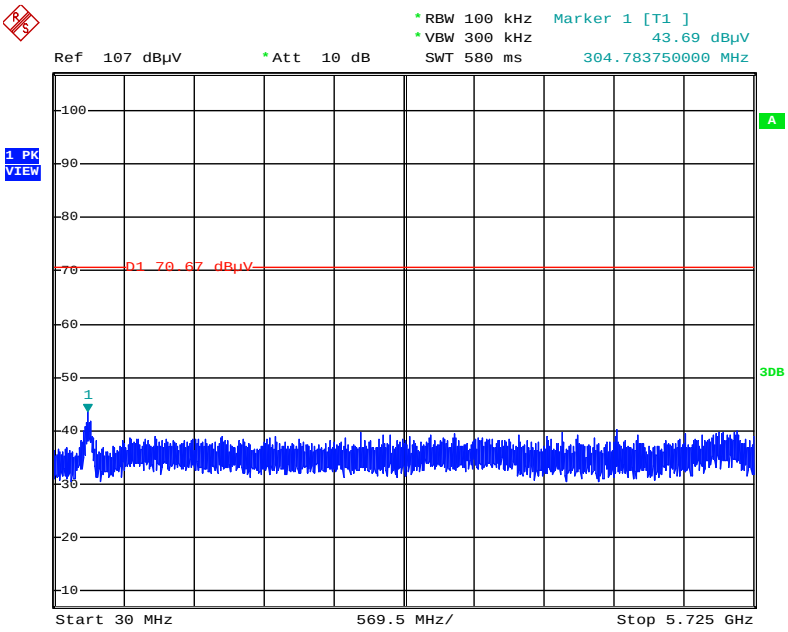
Date: 25.SEP.2014 23:05:48

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 149 / 5850MHz~40000MHz (down 30dBc)



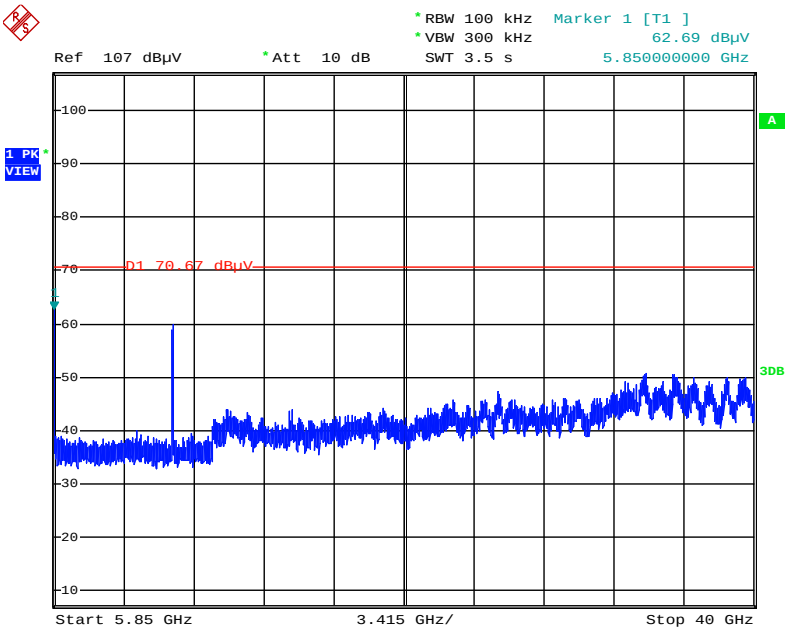
Date: 25.SEP.2014 23:06:22

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 165 / 30MHz~5725MHz (down 30dBc)



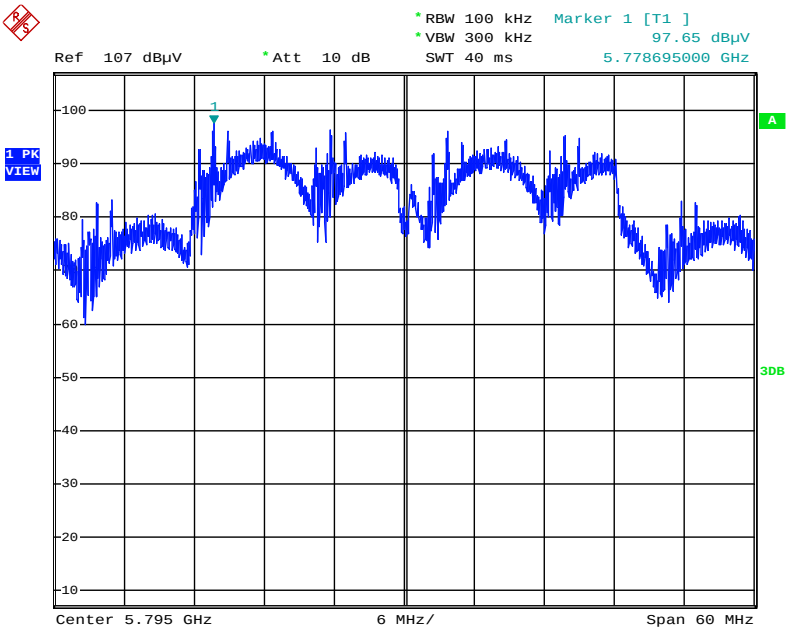
Date: 25.SEP.2014 23:03:09

Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 165 / 5850MHz~40000MHz (down 30dBc)



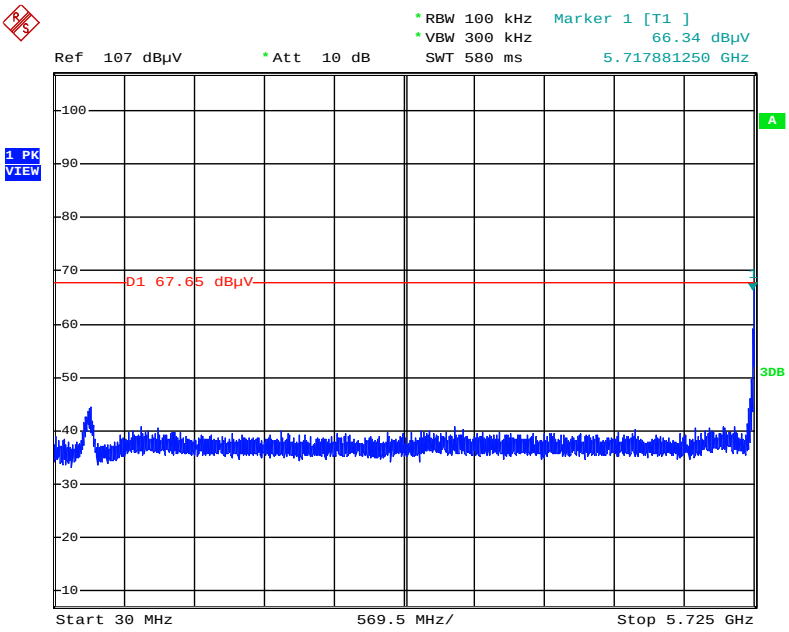
Date: 25.SEP.2014 23:03:36

Plot on Configuration IEEE 802.11n MCS0 HT40 / Reference Level



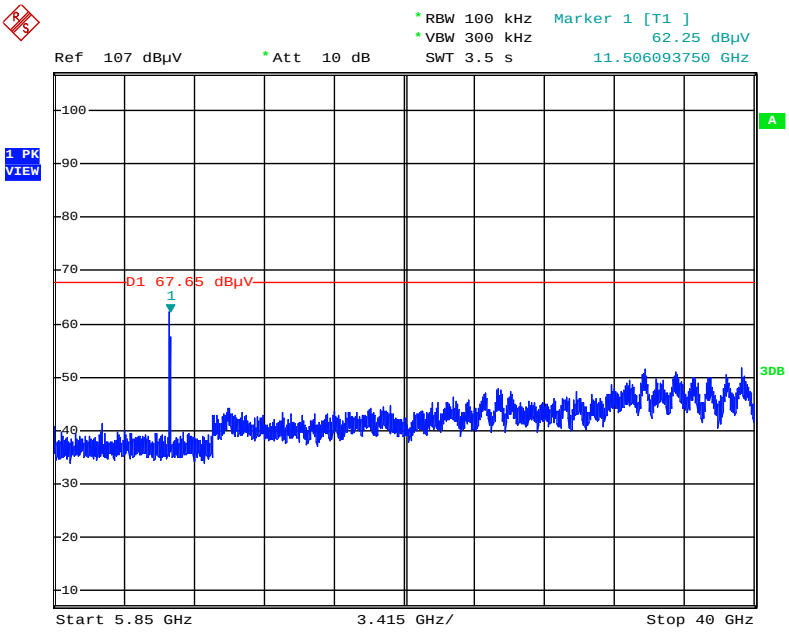
Date: 25.SEP.2014 22:38:47

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 151 / 30MHz~5725MHz (down 30dBc)



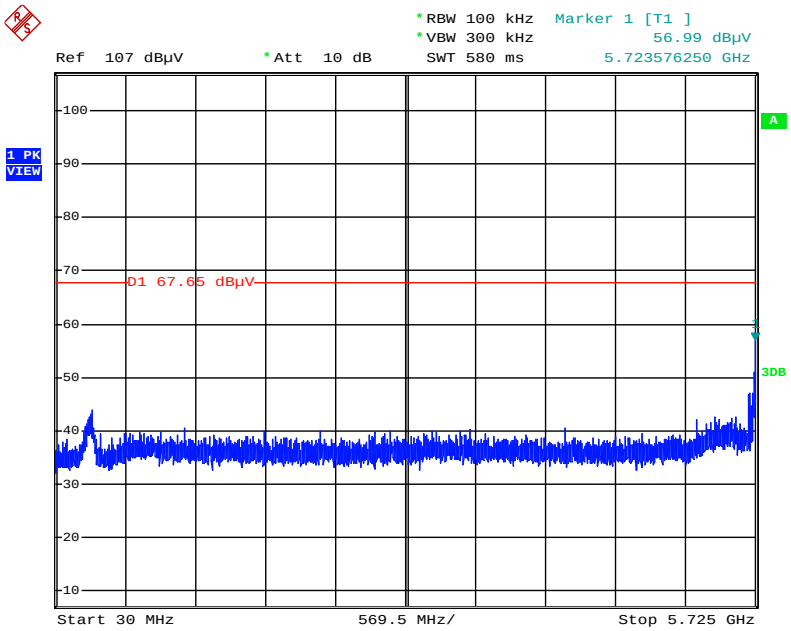
Date: 25.SEP.2014 22:50:57

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 151 / 5850MHz~40000MHz (down 30dBc)



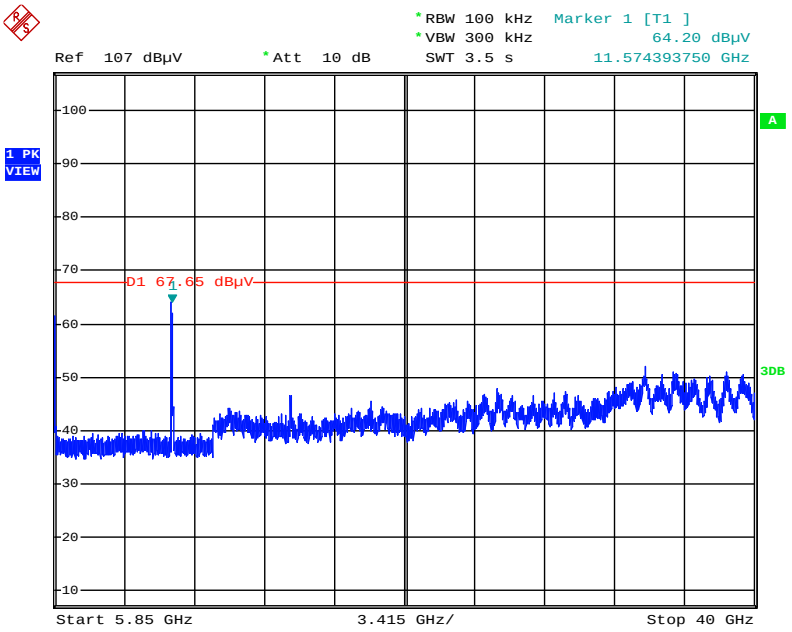
Date: 25.SEP.2014 22:51:59

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 159 / 30MHz~5725MHz (down 30dBc)



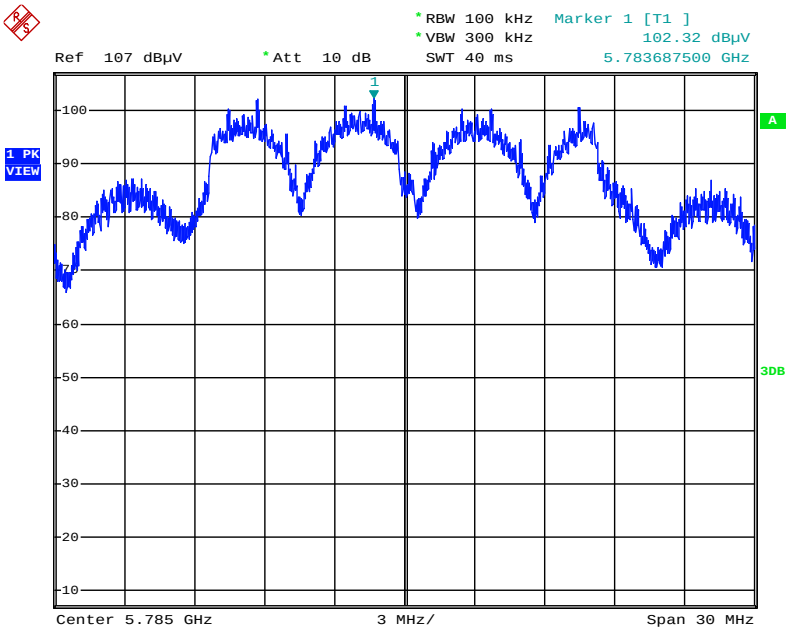
Date: 25.SEP.2014 22:45:04

Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 159 / 5850MHz~40000MHz (down 30dBc)



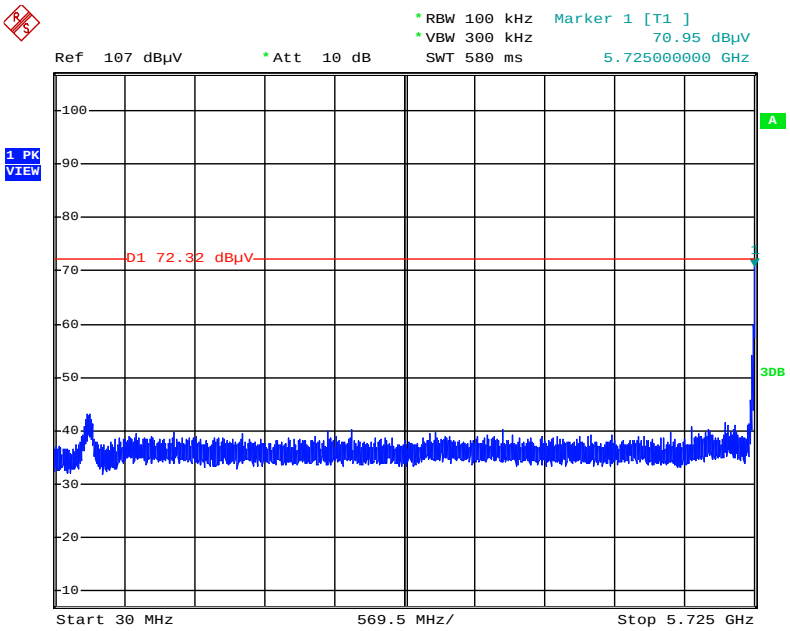
Date: 25.SEP.2014 22:46:07

Plot on Configuration IEEE 802.11a / Reference Level



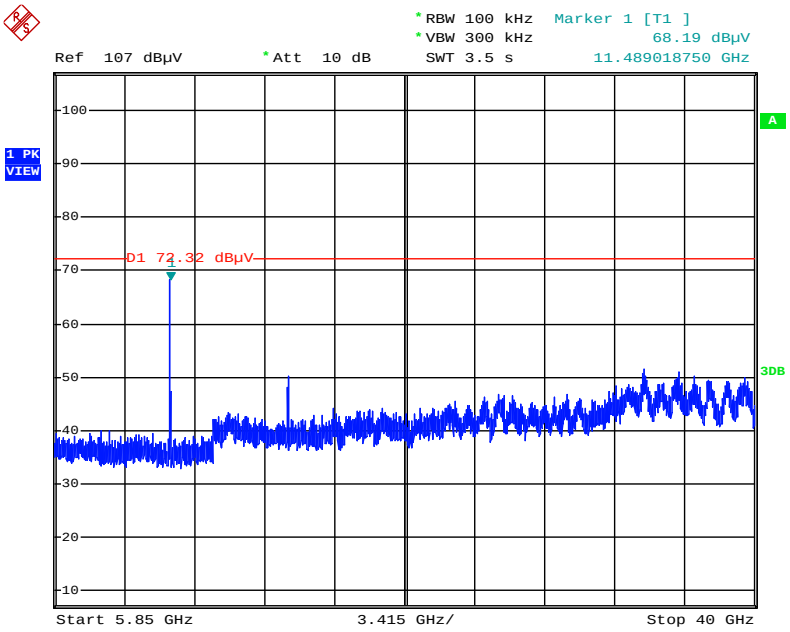
Date: 25.SEP.2014 23:32:45

Plot on Configuration IEEE 802.11a / CH 149 / 30MHz~5725MHz (down 30dBc)



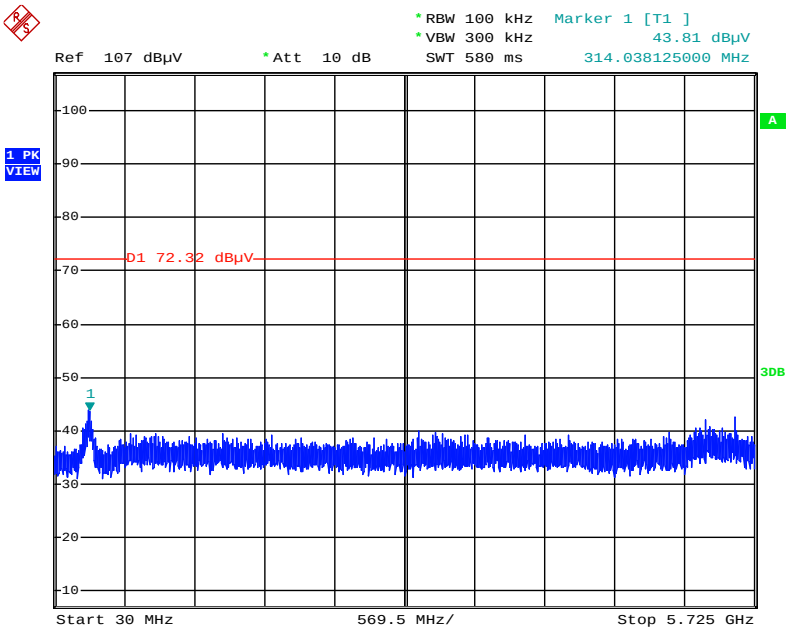
Date: 25.SEP.2014 23:34:26

Plot on Configuration IEEE 802.11a / CH 149 / 5850MHz~40000MHz (down 30dBc)



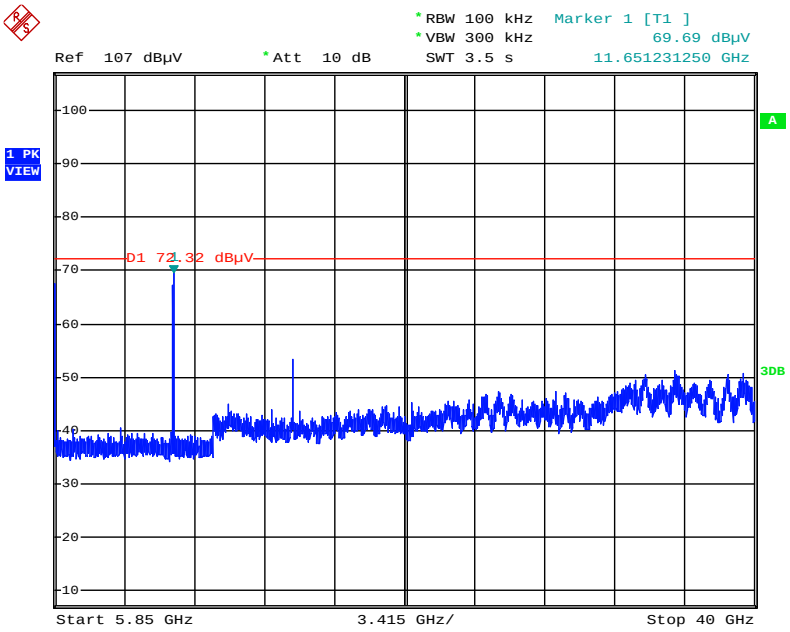
Date: 25.SEP.2014 23:35:29

Plot on Configuration IEEE 802.11a / CH 165 / 30MHz~5725MHz (down 30dBc)



Date: 25.SEP.2014 23:36:17

Plot on Configuration IEEE 802.11a / CH 165 / 5850MHz~40000MHz (down 30dBc)



Date: 25.SEP.2014 23:36:52

4.6. Antenna Requirements

4.6.1. 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.

4.6.2. 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
Horn Antenna	EMCO	3115	00075790	750MHz~18GHz	Nov. 01, 2013	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2014	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Dec. 16, 2013	Radiation (03CH01-CB)
Pre-Amplifier	WM	TF-130N-R1	923365	26GHz ~ 40GHz	Oct. 23, 2013	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSP40	100019	9kHz~40GHz	Dec. 02, 2013	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-high	Woken	High Cable-1	N/A	1 GHz – 26.5 GHz	Nov. 17, 2013	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-2	N/A	1 GHz – 26.5 GHz	Nov. 17, 2013	Radiation (03CH01-CB)
Signal analyzer	R&S	FSV40	100979	9kHz~40GHz	Nov. 29, 2013	Conducted (TH01-CB)
RF Cable-high	Woken	High Cable-7	-	1 GHz – 26.5 GHz	Nov. 17, 2013	Conducted (TH01-CB)
RF Cable-high	Woken	High Cable-8	-	1 GHz – 26.5 GHz	Nov. 17, 2013	Conducted (TH01-CB)
RF Cable-high	Woken	High Cable-9	-	1 GHz – 26.5 GHz	Nov. 17, 2013	Conducted (TH01-CB)
RF Cable-high	Woken	High Cable-10	-	1 GHz – 26.5 GHz	Nov. 17, 2013	Conducted (TH01-CB)
RF Cable-high	Woken	High Cable-11	-	1 GHz – 26.5 GHz	Nov. 17, 2013	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
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%