Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11n MCS0 HT40 CH 3 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 21, 2015		
Test Mode	Mode 5: EUT 1 + Set 7 Sector Antenna / 5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4846.00	45.26	74.00	-28.74	41.42	5.63	32.72	34.51	213	147	Peak	HORIZONTAL
2	4847.70	32.95	54.00	-21.05	29.11	5.63	32.72	34.51	213	147	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	4843.40	45.22	74.00	-28.78	41.38	5.63	32.72	34.51	142	170	Peak	VERTICAL
2	4845.90	33.34	54.00	-20.66	29.50	5.63	32.72	34.51	142	170	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11n MCS0 HT40 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 21, 2015		
Test Mode	Mode 5: EUT 1 + Set 7 Sector Antenna / 5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4877.60	34.73	54.00	-19.27	30.76	5.70	32.78	34.51	135	241	Average	HORIZONTAL
2	4878.00	46.24	74.00	-27.76	42.27	5.70	32.78	34.51	135	241	Peak	HORIZONTAL
3	7311.40	51.06	74.00	-22.94	41.78	6.81	37.23	34.76	192	222	Peak	HORIZONTAL
4	7312.30	39.20	54.00	-14.80	29.92	6.81	37.23	34.76	192	222	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	4877.60	36.14	54.00	-17.86	32.17	5.70	32.78	34.51	180	216	Average	VERTICAL
2	4877.70	48.57	74.00	-25.43	44.60	5.70	32.78	34.51	180	216	Peak	VERTICAL
3	7312.42	37.84	54.00	-16.16	28.56	6.81	37.23	34.76	135	172	Average	VERTICAL
4	7314.82	50.85	74.00	-23.15	41.57	6.81	37.23	34.76	135	172	Peak	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11n MCS0 HT40 CH 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 21, 2015		
Test Mode	Mode 5: EUT 1 + Set 7 Sector Antenna / 5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4904.40	45.58	74.00	-28.42	41.48	5.76	32.84	34.50	244	211	Peak	HORIZONTAL
2	4907.60	33.63	54.00	-20.37	29.53	5.76	32.84	34.50	244	211	Average	HORIZONTAL
3	7354.79	38.10	54.00	-15.90	28.75	6.81	37.31	34.77	174	146	Average	HORIZONTAL
4	7356.02	51.01	74.00	-22.99	41.66	6.81	37.31	34.77	174	146	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	4907.90	46.52	74.00	-27.48	42.42	5.76	32.84	34.50	201	254	Peak	VERTICAL
2	4907.90	34.74	54.00	-19.26	30.64	5.76	32.84	34.50	201	254	Average	VERTICAL
3	7353.60	38.16	54.00	-15.84	28.81	6.81	37.31	34.77	247	180	Average	VERTICAL
4	7357.96	50.86	74.00	-23.14	41.51	6.81	37.31	34.77	247	180	Peak	VERTICAL

Note:

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

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

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11b CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 21, 2015		
Test Mode	Mode 6: EUT 1 + Set 8 Dipole Antenna / 4.66 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4823.83	48.95	74.00	-25.05	44.67	5.87	33.42	35.01	Peak	228	40	HORIZONTAL
2	4823.96	43.24	54.00	-10.76	38.96	5.87	33.42	35.01	Average	228	40	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	4823.98	48.10	54.00	-5.90	43.82	5.87	33.42	35.01	Average	233	211	VERTICAL
2	4824.20	51.93	74.00	-22.07	47.65	5.87	33.42	35.01	Peak	233	211	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11b CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 04, 2015		
Test Mode	Mode 6: EUT 1 + Set 8 Dipole Antenna / 4.66 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4873.97	49.69	54.00	-4.31	45.25	5.92	33.53	35.01	Average	214	228	HORIZONTAL
2	4874.14	53.55	74.00	-20.45	49.11	5.92	33.53	35.01	Peak	214	228	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	4873.95	52.21	54.00	-1.79	47.77	5.92	33.53	35.01	Average	120	166	VERTICAL
2	4874.00	55.36	74.00	-18.64	50.92	5.92	33.53	35.01	Peak	120	166	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11b CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 21, 2015		
Test Mode	Mode 6: EUT 1 + Set 8 Dipole Antenna / 4.66 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4923.95	46.94	54.00	-7.06	42.76	5.79	32.88	34.49	132	104	Average	HORIZONTAL
2	4924.00	51.35	74.00	-22.65	47.17	5.79	32.88	34.49	132	104	Peak	HORIZONTAL
3	7383.78	50.39	74.00	-23.61	41.00	6.80	37.36	34.77	251	153	Peak	HORIZONTAL
4	7387.55	38.08	54.00	-15.92	28.69	6.80	37.36	34.77	251	153	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	4923.92	55.34	74.00	-18.66	51.16	5.79	32.88	34.49	194	107	Peak	VERTICAL
2	4923.94	52.34	54.00	-1.66	48.16	5.79	32.88	34.49	194	107	Average	VERTICAL
3	7384.84	50.53	74.00	-23.47	41.14	6.80	37.36	34.77	213	174	Peak	VERTICAL
4	7387.02	38.26	54.00	-15.74	28.87	6.80	37.36	34.77	213	174	Average	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11g CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 21, 2015		
Test Mode	Mode 6: EUT 1 + Set 8 Dipole Antenna / 4.66 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4825.87	33.52	54.00	-20.48	29.24	5.87	33.42	35.01	Average	139	237	HORIZONTAL
2	4827.84	46.13	74.00	-27.87	41.85	5.87	33.42	35.01	Peak	139	237	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4820.56	33.59	54.00	-20.41	29.31	5.87	33.42	35.01	Average	180	97	VERTICAL
2	4821.69	45.89	74.00	-28.11	41.61	5.87	33.42	35.01	Peak	180	97	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11g CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 21, 2015		
Test Mode	Mode 6: EUT 1 + Set 8 Dipole Antenna / 4.66 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4876.24	39.13	54.00	-14.87	34.69	5.92	33.53	35.01	Average	244	40	HORIZONTAL
2	4876.89	52.19	74.00	-21.81	47.75	5.92	33.53	35.01	Peak	244	40	HORIZONTAL
3	7311.45	49.69	74.00	-24.31	41.46	7.13	36.38	35.28	Peak	157	172	HORIZONTAL
4	7314.52	36.94	54.00	-17.06	28.71	7.13	36.38	35.28	Average	157	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	4876.17	41.58	54.00	-12.42	37.14	5.92	33.53	35.01	Average	217	179	VERTICAL
2	4876.89	55.56	74.00	-18.44	51.12	5.92	33.53	35.01	Peak	217	179	VERTICAL
3	7306.60	37.12	54.00	-16.88	28.89	7.13	36.38	35.28	Average	171	224	VERTICAL
4	7315.95	50.24	74.00	-23.76	41.96	7.14	36.42	35.28	Peak	171	224	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11g CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 21, 2015		
Test Mode	Mode 6: EUT 1 + Set 8 Dipole Antenna / 4.66 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4914.01	32.87	54.00	-21.13	28.32	5.95	33.61	35.01	Average	188	199	HORIZONTAL
2	4945.06	45.80	74.00	-28.20	41.14	5.98	33.69	35.01	Peak	188	199	HORIZONTAL
3	7384.63	37.31	54.00	-16.69	28.86	7.17	36.57	35.29	Average	157	271	HORIZONTAL
4	7388.40	50.26	74.00	-23.74	41.81	7.17	36.57	35.29	Peak	157	271	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	4927.55	47.41	74.00	-26.59	42.80	5.97	33.65	35.01	Peak	232	218	VERTICAL
2	4927.84	34.82	54.00	-19.18	30.21	5.97	33.65	35.01	Average	232	218	VERTICAL
3	7384.29	49.88	74.00	-24.12	41.43	7.17	36.57	35.29	Peak	200	157	VERTICAL
4	7386.26	37.29	54.00	-16.71	28.84	7.17	36.57	35.29	Average	200	157	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11n MCS0 HT20 CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 21, 2015		
Test Mode	Mode 6: EUT 1 + Set 8 Dipole Antenna / 4.66 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4820.41	33.35	54.00	-20.65	29.07	5.87	33.42	35.01	Average	125	236	HORIZONTAL
2	4822.67	45.98	74.00	-28.02	41.70	5.87	33.42	35.01	Peak	125	236	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4819.89	33.79	54.00	-20.21	29.51	5.87	33.42	35.01	Average	162	147	VERTICAL
2	4825.46	46.75	74.00	-27.25	42.47	5.87	33.42	35.01	Peak	162	147	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11n MCS0 HT20 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 21, 2015		
Test Mode	Mode 6: EUT 1 + Set 8 Dipole Antenna / 4.66 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4876.61	48.53	74.00	-25.47	44.09	5.92	33.53	35.01	Peak	300	221	HORIZONTAL
2	4877.11	36.00	54.00	-18.00	31.56	5.92	33.53	35.01	Average	300	221	HORIZONTAL
3	7306.56	49.88	74.00	-24.12	41.65	7.13	36.38	35.28	Peak	208	177	HORIZONTAL
4	7310.29	37.06	54.00	-16.94	28.83	7.13	36.38	35.28	Average	208	177	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	4876.46	54.25	74.00	-19.75	49.81	5.92	33.53	35.01	Peak	264	208	VERTICAL
2	4876.75	40.58	54.00	-13.42	36.14	5.92	33.53	35.01	Average	264	208	VERTICAL
3	7306.01	49.78	74.00	-24.22	41.55	7.13	36.38	35.28	Peak	208	129	VERTICAL
4	7307.80	36.98	54.00	-17.02	28.75	7.13	36.38	35.28	Average	208	129	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11n MCS0 HT20 CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 21, 2015		
Test Mode	Mode 6: EUT 1 + Set 8 Dipole Antenna / 4.66 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4922.68	46.04	74.00	-27.96	41.43	5.97	33.65	35.01	Peak	189	114	HORIZONTAL
2	4925.66	32.93	54.00	-21.07	28.32	5.97	33.65	35.01	Average	189	114	HORIZONTAL
3	7390.17	50.37	74.00	-23.63	41.92	7.17	36.57	35.29	Peak	148	183	HORIZONTAL
4	7390.67	37.57	54.00	-16.43	29.12	7.17	36.57	35.29	Average	148	183	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4924.58	45.91	74.00	-28.09	41.30	5.97	33.65	35.01	Peak	208	138	VERTICAL
2	4925.16	32.82	54.00	-21.18	28.21	5.97	33.65	35.01	Average	208	138	VERTICAL
3	7387.71	37.46	54.00	-16.54	29.01	7.17	36.57	35.29	Average	148	241	VERTICAL
4	7390.95	50.62	74.00	-23.38	42.17	7.17	36.57	35.29	Peak	148	241	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11n MCS0 HT40 CH 3 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 21, 2015		
Test Mode	Mode 6: EUT 1 + Set 8 Dipole Antenna / 4.66 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4840.51	45.59	74.00	-28.41	41.26	5.88	33.46	35.01	Peak	215	302	HORIZONTAL
2	4846.36	32.84	54.00	-21.16	28.51	5.88	33.46	35.01	Average	215	302	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	4845.20	32.88	54.00	-21.12	28.55	5.88	33.46	35.01	Average	166	177	VERTICAL
2	4848.12	46.49	74.00	-27.51	42.16	5.88	33.46	35.01	Peak	166	177	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11n MCS0 HT40 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 21, 2015		
Test Mode	Mode 6: EUT 1 + Set 8 Dipole Antenna / 4.66 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4870.54	33.43	54.00	-20.57	28.99	5.92	33.53	35.01	Average	188	158	HORIZONTAL
2	4875.20	46.67	74.00	-27.33	42.23	5.92	33.53	35.01	Peak	188	158	HORIZONTAL
3	7306.22	37.02	54.00	-16.98	28.79	7.13	36.38	35.28	Average	137	244	HORIZONTAL
4	7311.13	49.89	74.00	-24.11	41.66	7.13	36.38	35.28	Peak	137	244	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4875.49	33.78	54.00	-20.22	29.34	5.92	33.53	35.01	Average	154	218	VERTICAL
2	4877.18	46.03	74.00	-27.97	41.59	5.92	33.53	35.01	Peak	154	218	VERTICAL
3	7307.60	37.29	54.00	-16.71	29.06	7.13	36.38	35.28	Average	137	169	VERTICAL
4	7307.87	50.01	74.00	-23.99	41.78	7.13	36.38	35.28	Peak	137	169	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11n MCS0 HT40 CH 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 21, 2015		
Test Mode	Mode 6: EUT 1 + Set 8 Dipole Antenna / 4.66 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4903.70	45.91	74.00	-28.09	41.36	5.95	33.61	35.01	Peak	158	51	HORIZONTAL
2	4905.97	33.11	54.00	-20.89	28.56	5.95	33.61	35.01	Average	158	51	HORIZONTAL
3	7354.66	50.39	74.00	-23.61	42.01	7.16	36.50	35.28	Peak	111	265	HORIZONTAL
4	7357.81	37.66	54.00	-16.34	29.28	7.16	36.50	35.28	Average	111	265	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4903.00	32.87	54.00	-21.13	28.32	5.95	33.61	35.01	Average	136	232	VERTICAL
2	4904.60	43.10	74.00	-30.90	38.55	5.95	33.61	35.01	Peak	136	232	VERTICAL
3	7353.63	50.69	74.00	-23.31	42.31	7.16	36.50	35.28	Peak	163	106	VERTICAL
4	7354.45	37.52	54.00	-16.48	29.14	7.16	36.50	35.28	Average	163	106	VERTICAL

Note:

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

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

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11b CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 15, 2015		
Test Mode	Mode 7: EUT 2 + Set 10 PIFA Antenna / Chain1:3.81 dBi, Chain2:3.75 dBi, Chain3:3.98 dBi, Chain4:3.47 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4823.97	49.56	54.00	-4.44	45.28	5.87	33.42	35.01	Average	118	17	HORIZONTAL
2	4824.04	53.56	74.00	-20.44	49.28	5.87	33.42	35.01	Peak	118	17	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4824.01	52.66	54.00	-1.34	48.38	5.87	33.42	35.01	Average	144	324	VERTICAL
2	4824.08	56.53	74.00	-17.47	52.25	5.87	33.42	35.01	Peak	144	324	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11b CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 15, 2015		
Test Mode	Mode 7: EUT 2 + Set 10 PIFA Antenna / Chain1:3.81 dBi, Chain2:3.75 dBi, Chain3:3.98 dBi, Chain4:3.47 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4873.85	52.01	74.00	-21.99	47.57	5.92	33.53	35.01	Peak	164	357	HORIZONTAL
2	4873.97	45.96	54.00	-8.04	41.52	5.92	33.53	35.01	Average	164	357	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	4873.98	50.25	54.00	-3.75	45.81	5.92	33.53	35.01	Average	150	328	VERTICAL
2	4874.02	55.05	74.00	-18.95	50.61	5.92	33.53	35.01	Peak	150	328	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11b CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 15, 2015		
Test Mode	Mode 7: EUT 2 + Set 10 PIFA Antenna / Chain1:3.81 dBi, Chain2:3.75 dBi, Chain3:3.98 dBi, Chain4:3.47 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4923.97	40.92	54.00	-13.08	36.31	5.97	33.65	35.01	Average	166	359	HORIZONTAL
2	4924.16	49.96	74.00	-24.04	45.35	5.97	33.65	35.01	Peak	166	359	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	4923.90	51.54	74.00	-22.46	46.93	5.97	33.65	35.01	Peak	200	342	VERTICAL
2	4924.00	44.87	54.00	-9.13	40.26	5.97	33.65	35.01	Average	200	342	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11g CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 16, 2015		
Test Mode	Mode 7: EUT 2 + Set 10 PIFA Antenna / Chain1:3.81 dBi, Chain2:3.75 dBi, Chain3:3.98 dBi, Chain4:3.47 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4823.65	33.58	54.00	-20.42	29.30	5.87	33.42	35.01	Average	154	156	HORIZONTAL
2	4824.64	46.55	74.00	-27.45	42.27	5.87	33.42	35.01	Peak	154	156	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	4815.43	33.36	54.00	-20.64	29.14	5.85	33.38	35.01	Average	151	162	VERTICAL
2	4824.20	46.80	74.00	-27.20	42.52	5.87	33.42	35.01	Peak	151	162	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11g CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 16, 2015		
Test Mode	Mode 7: EUT 2 + Set 10 PIFA Antenna / Chain1:3.81 dBi, Chain2:3.75 dBi, Chain3:3.98 dBi, Chain4:3.47 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4867.60	34.64	54.00	-19.36	30.20	5.92	33.53	35.01	Average	150	166	HORIZONTAL
2	4874.00	48.47	74.00	-25.53	44.03	5.92	33.53	35.01	Peak	150	166	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	4872.70	34.10	54.00	-19.90	29.66	5.92	33.53	35.01	Average	155	137	VERTICAL
2	4877.16	46.92	74.00	-27.08	42.48	5.92	33.53	35.01	Peak	155	137	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11g CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 16, 2015		
Test Mode	Mode 7: EUT 2 + Set 10 PIFA Antenna / Chain1:3.81 dBi, Chain2:3.75 dBi, Chain3:3.98 dBi, Chain4:3.47 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4926.03	33.68	54.00	-20.32	29.07	5.97	33.65	35.01	Average	162	142	HORIZONTAL
2	4926.23	46.64	74.00	-27.36	42.03	5.97	33.65	35.01	Peak	162	142	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	4927.91	47.86	74.00	-26.14	43.25	5.97	33.65	35.01	Peak	162	142	VERTICAL
2	4929.38	33.62	54.00	-20.38	29.01	5.97	33.65	35.01	Average	162	142	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11n MCS0 HT20 CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 16, 2015		
Test Mode	Mode 7: EUT 2 + Set 10 PIFA Antenna / Chain1:3.81 dBi, Chain2:3.75 dBi, Chain3:3.98 dBi, Chain4:3.47 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4816.33	34.63	54.00	-19.37	30.41	5.85	33.38	35.01	Average	160	155	HORIZONTAL
2	4817.60	47.76	74.00	-26.24	43.48	5.87	33.42	35.01	Peak	160	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	4822.67	33.46	54.00	-20.54	29.18	5.87	33.42	35.01	Average	159	151	VERTICAL
2	4829.41	46.49	74.00	-27.51	42.21	5.87	33.42	35.01	Peak	159	151	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11n MCS0 HT20 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 16, 2015		
Test Mode	Mode 7: EUT 2 + Set 10 PIFA Antenna / Chain1:3.81 dBi, Chain2:3.75 dBi, Chain3:3.98 dBi, Chain4:3.47 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4944.09	46.76	74.00	-27.24	42.10	5.98	33.69	35.01	Peak	157	155	HORIZONTAL
2	4944.23	33.66	54.00	-20.34	29.00	5.98	33.69	35.01	Average	157	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	4940.30	47.07	74.00	-26.93	42.41	5.98	33.69	35.01	Peak	155	174	VERTICAL
2	4945.71	33.69	54.00	-20.31	29.03	5.98	33.69	35.01	Average	155	174	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11n MCS0 HT20 CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 16, 2015		
Test Mode	Mode 7: EUT 2 + Set 10 PIFA Antenna / Chain1:3.81 dBi, Chain2:3.75 dBi, Chain3:3.98 dBi, Chain4:3.47 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4915.23	46.32	74.00	-27.68	41.77	5.95	33.61	35.01	Peak	160	215	HORIZONTAL
2	4928.28	33.69	54.00	-20.31	29.08	5.97	33.65	35.01	Average	160	215	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	4925.97	33.48	54.00	-20.52	28.87	5.97	33.65	35.01	Average	157	202	VERTICAL
2	4930.34	47.13	74.00	-26.87	42.52	5.97	33.65	35.01	Peak	157	202	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11n MCS0 HT40 CH 3 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 16, 2015		
Test Mode	Mode 7: EUT 2 + Set 10 PIFA Antenna / Chain1:3.81 dBi, Chain2:3.75 dBi, Chain3:3.98 dBi, Chain4:3.47 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4836.74	35.47	54.00	-18.53	31.14	5.88	33.46	35.01	Average	156	182	HORIZONTAL
2	4837.58	47.47	74.00	-26.53	43.14	5.88	33.46	35.01	Peak	156	182	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4844.00	34.35	54.00	-19.65	30.02	5.88	33.46	35.01	Average	158	198	VERTICAL
2	4844.67	47.02	74.00	-26.98	42.69	5.88	33.46	35.01	Peak	158	198	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11n MCS0 HT40 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 16, 2015		
Test Mode	Mode 7: EUT 2 + Set 10 PIFA Antenna / Chain1:3.81 dBi, Chain2:3.75 dBi, Chain3:3.98 dBi, Chain4:3.47 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4867.11	33.95	54.00	-20.05	29.56	5.90	33.50	35.01	Average	154	9	HORIZONTAL
2	4868.01	46.94	74.00	-27.06	42.50	5.92	33.53	35.01	Peak	154	9	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	4873.54	33.89	54.00	-20.11	29.45	5.92	33.53	35.01	Average	157	18	VERTICAL
2	4875.91	46.75	74.00	-27.25	42.31	5.92	33.53	35.01	Peak	157	18	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11n MCS0 HT40 CH 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 16, 2015		
Test Mode	Mode 7: EUT 2 + Set 10 PIFA Antenna / Chain1:3.81 dBi, Chain2:3.75 dBi, Chain3:3.98 dBi, Chain4:3.47 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4904.98	46.88	74.00	-27.12	42.33	5.95	33.61	35.01	Peak	154	55	HORIZONTAL
2	4908.05	33.20	54.00	-20.80	28.65	5.95	33.61	35.01	Average	154	55	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4903.16	33.12	54.00	-20.88	28.57	5.95	33.61	35.01	Average	154	66	VERTICAL
2	4913.87	46.87	74.00	-27.13	42.32	5.95	33.61	35.01	Peak	154	66	VERTICAL

Note:

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

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

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

4.6. Emissions Measurement

4.6.1. Limit

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

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

4.6.2. Measuring Instruments and Setting

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

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

4.6.3. Test Procedures

For Radiated band edges Measurement:

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

For Radiated Out of Band Emission Measurement:

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

4.6.4. Test Setup Layout

For Radiated band edges Measurement:

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

For Radiated Out of Band Emission Measurement:

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

4.6.5. Test Deviation

There is no deviation with the original standard.

4.6.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

4.6.7. Test Result of Band Edge and Fundamental Emissions

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 4 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2372.40	61.25	74.00	-12.75	28.99	4.08	28.18	0.00	Peak	100	194	VERTICAL
2	2383.60	52.61	54.00	-1.39	20.35	4.08	28.18	0.00	Average	100	194	VERTICAL
3	2412.80	116.08			83.73	4.11	28.24	0.00	Average	100	194	VERTICAL
4	2413.00	120.10			87.75	4.11	28.24	0.00	Peak	100	194	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	2389.80	50.00	54.00	-4.00	17.70	4.09	28.21	0.00	Average	190	198	VERTICAL
2	2389.80	58.85	74.00	-15.15	26.55	4.09	28.21	0.00	Peak	190	198	VERTICAL
3	2437.80	115.33			82.89	4.13	28.31	0.00	Average	190	198	VERTICAL
4	2438.20	119.19			86.75	4.13	28.31	0.00	Peak	190	198	VERTICAL
5	2483.50	58.76	74.00	-15.24	26.23	4.16	28.37	0.00	Peak	190	198	VERTICAL
6	2484.20	50.14	54.00	-3.86	17.61	4.16	28.37	0.00	Average	190	198	VERTICAL

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

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2461.20	115.82			83.34	4.14	28.34	0.00	Peak	202	187	VERTICAL
2	2461.40	112.20			79.72	4.14	28.34	0.00	Average	202	187	VERTICAL
3	2483.50	52.69	54.00	-1.31	20.16	4.16	28.37	0.00	Average	202	187	VERTICAL
4	2483.50	59.98	74.00	-14.02	27.45	4.16	28.37	0.00	Peak	202	187	VERTICAL

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

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11g CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 4 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2389.20	66.68	74.00	-7.32	34.38	4.09	28.21	0.00	Peak	138	192	VERTICAL
2	2390.00	52.93	54.00	-1.07	20.63	4.09	28.21	0.00	Average	138	192	VERTICAL
3	2408.80	114.93			82.58	4.11	28.24	0.00	Peak	138	192	VERTICAL
4	2409.60	103.59			71.24	4.11	28.24	0.00	Average	138	192	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	2389.40	61.41	74.00	-12.59	29.11	4.09	28.21	0.00	Peak	176	172	VERTICAL
2	2390.00	48.05	54.00	-5.95	15.75	4.09	28.21	0.00	Average	176	172	VERTICAL
3	2440.20	108.81			76.37	4.13	28.31	0.00	Average	176	172	VERTICAL
4	2444.60	119.79			87.35	4.13	28.31	0.00	Peak	176	172	VERTICAL
5	2483.50	52.64	54.00	-1.36	20.11	4.16	28.37	0.00	Average	176	172	VERTICAL
6	2483.80	65.94	74.00	-8.06	33.41	4.16	28.37	0.00	Peak	176	172	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	2465.00	103.86			71.38	4.14	28.34	0.00	Average	167	168	VERTICAL
2	2465.20	114.37			81.89	4.14	28.34	0.00	Peak	167	168	VERTICAL
3	2483.50	52.71	54.00	-1.29	20.18	4.16	28.37	0.00	Average	167	168	VERTICAL
4	2483.50	66.56	74.00	-7.44	34.03	4.16	28.37	0.00	Peak	167	168	VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 4 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2389.80	65.80	74.00	-8.20	33.50	4.09	28.21	0.00	Peak	147	196	VERTICAL
2	2390.00	52.78	54.00	-1.22	20.48	4.09	28.21	0.00	Average	147	196	VERTICAL
3	2409.00	114.29			81.94	4.11	28.24	0.00	Peak	147	196	VERTICAL
4	2409.40	102.08			69.73	4.11	28.24	0.00	Average	147	196	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	2389.80	61.87	74.00	-12.13	29.57	4.09	28.21	0.00	Peak	137	194	VERTICAL
2	2390.00	49.33	54.00	-4.67	17.03	4.09	28.21	0.00	Average	137	194	VERTICAL
3	2438.20	109.85			77.41	4.13	28.31	0.00	Average	137	194	VERTICAL
4	2438.20	120.80			88.36	4.13	28.31	0.00	Peak	137	194	VERTICAL
5	2483.50	49.25	54.00	-4.75	16.72	4.16	28.37	0.00	Average	137	194	VERTICAL
6	2496.20	62.60	74.00	-11.40	30.03	4.17	28.40	0.00	Peak	137	194	VERTICAL

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

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2458.60	101.08			68.60	4.14	28.34	0.00	Average	172	182	VERTICAL
2	2458.80	113.86			81.38	4.14	28.34	0.00	Peak	172	182	VERTICAL
3	2483.50	52.86	54.00	-1.14	20.33	4.16	28.37	0.00	Average	172	182	VERTICAL
4	2483.50	66.55	74.00	-7.45	34.02	4.16	28.37	0.00	Peak	172	182	VERTICAL

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

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 4 dBi		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2386.00	52.75	54.00	-1.25	20.45	4.09	28.21	0.00	Average	148	168	VERTICAL
2	2386.00	64.28	74.00	-9.72	31.98	4.09	28.21	0.00	Peak	148	168	VERTICAL
3	2425.20	95.44			63.04	4.12	28.28	0.00	Average	148	168	VERTICAL
4	2425.20	106.27			73.87	4.12	28.28	0.00	Peak	148	168	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	2389.80	63.25	74.00	-10.75	30.95	4.09	28.21	0.00	Peak	105	194	VERTICAL
2	2390.00	52.93	54.00	-1.07	20.63	4.09	28.21	0.00	Average	105	194	VERTICAL
3	2424.60	102.31			69.91	4.12	28.28	0.00	Average	105	194	VERTICAL
4	2424.60	112.28			79.88	4.12	28.28	0.00	Peak	105	194	VERTICAL
5	2483.60	51.45	54.00	-2.55	18.92	4.16	28.37	0.00	Average	105	194	VERTICAL
6	2483.60	61.45	74.00	-12.55	28.92	4.16	28.37	0.00	Peak	105	194	VERTICAL

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

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2455.60	104.48			72.00	4.14	28.34	0.00	Peak	148	152	VERTICAL
2	2456.80	92.87			60.39	4.14	28.34	0.00	Average	148	152	VERTICAL
3	2484.40	52.96	54.00	-1.04	20.43	4.16	28.37	0.00	Average	148	152	VERTICAL
4	2484.80	65.12	74.00	-8.88	32.59	4.16	28.37	0.00	Peak	148	152	VERTICAL

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

Note:

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

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

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 25, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 7.5 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2385.08	64.02	74.00	-9.98	31.76	4.08	28.18	0.00	Peak	102	360	VERTICAL
2	2387.40	52.88	54.00	-1.12	20.58	4.09	28.21	0.00	Average	102	360	VERTICAL
3	2408.82	112.61			80.26	4.11	28.24	0.00	Average	102	360	VERTICAL
4	2409.40	115.58			83.23	4.11	28.24	0.00	Peak	102	360	VERTICAL

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2389.42	51.74	54.00	-2.26	19.44	4.09	28.21	0.00	Average	113	2	VERTICAL
2	2389.42	61.76	74.00	-12.24	29.46	4.09	28.21	0.00	Peak	113	2	VERTICAL
3	2438.45	120.14			87.70	4.13	28.31	0.00	Peak	113	2	VERTICAL
4	2438.74	117.63			85.19	4.13	28.31	0.00	Average	113	2	VERTICAL
5	2485.82	51.20	54.00	-2.80	18.67	4.16	28.37	0.00	Average	113	2	VERTICAL
6	2485.82	62.27	74.00	-11.73	29.74	4.16	28.37	0.00	Peak	113	2	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	2386.53	61.94	74.00	-12.06	29.64	4.09	28.21	0.00	Peak	160	2	HORIZONTAL
2	2386.82	48.93	54.00	-5.07	16.63	4.09	28.21	0.00	Average	160	2	HORIZONTAL
3	2465.76	112.94			80.46	4.14	28.34	0.00	Average	160	2	HORIZONTAL
4	2465.76	115.45			82.97	4.14	28.34	0.00	Peak	160	2	HORIZONTAL
5	2483.50	64.21	74.00	-9.79	31.68	4.16	28.37	0.00	Peak	160	2	HORIZONTAL
6	2487.26	52.84	54.00	-1.16	20.31	4.16	28.37	0.00	Average	160	2	HORIZONTAL

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

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11g CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 25, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 7.5 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2390.00	52.39	54.00	-1.61	20.09	4.09	28.21	0.00	Average	118	357	VERTICAL
2	2390.00	65.33	74.00	-8.67	33.03	4.09	28.21	0.00	Peak	118	357	VERTICAL
3	2404.19	103.31			70.96	4.11	28.24	0.00	Average	118	357	VERTICAL
4	2405.05	113.40			81.05	4.11	28.24	0.00	Peak	118	357	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	52.99	54.00	-1.01	20.69	4.09	28.21	0.00	Average	167	360	VERTICAL
2	2389.71	65.19	74.00	-8.81	32.89	4.09	28.21	0.00	Peak	167	360	VERTICAL
3	2435.26	123.43			91.03	4.12	28.28	0.00	Peak	167	360	VERTICAL
4	2436.13	113.63			81.23	4.12	28.28	0.00	Average	167	360	VERTICAL
5	2487.55	51.63	54.00	-2.37	19.06	4.17	28.40	0.00	Average	167	360	VERTICAL
6	2489.00	65.41	74.00	-8.59	32.84	4.17	28.40	0.00	Peak	167	360	VERTICAL

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

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2461.13	104.86			72.38	4.14	28.34	0.00	Average	181	359	VERTICAL
2	2461.42	114.81			82.33	4.14	28.34	0.00	Peak	181	359	VERTICAL
3	2483.50	52.82	54.00	-1.18	20.29	4.16	28.37	0.00	Average	181	359	VERTICAL
4	2483.50	67.75	74.00	-6.25	35.22	4.16	28.37	0.00	Peak	181	359	VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 25, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 7.5 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2390.00	52.90	54.00	-1.10	20.60	4.09	28.21	0.00	Average	166	0	VERTICAL
2	2390.00	66.37	74.00	-7.63	34.07	4.09	28.21	0.00	Peak	166	0	VERTICAL
3	2410.26	114.56			82.21	4.11	28.24	0.00	Peak	166	0	VERTICAL
4	2410.55	103.47			71.12	4.11	28.24	0.00	Average	166	0	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	2389.71	52.91	54.00	-1.09	20.61	4.09	28.21	0.00	Average	156	3	VERTICAL
2	2390.00	65.60	74.00	-8.40	33.30	4.09	28.21	0.00	Peak	156	3	VERTICAL
3	2428.90	112.32			79.92	4.12	28.28	0.00	Average	156	3	VERTICAL
4	2430.63	124.13			91.73	4.12	28.28	0.00	Peak	156	3	VERTICAL
5	2487.84	66.63	74.00	-7.37	34.06	4.17	28.40	0.00	Peak	156	3	VERTICAL
6	2488.71	52.68	54.00	-1.32	20.11	4.17	28.40	0.00	Average	156	3	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	2463.74	102.66			70.18	4.14	28.34	0.00	Average	177	0	HORIZONTAL
2	2463.74	114.44			81.96	4.14	28.34	0.00	Peak	177	0	HORIZONTAL
3	2483.79	52.59	54.00	-1.41	20.06	4.16	28.37	0.00	Average	177	0	HORIZONTAL
4	2484.08	64.93	74.00	-9.07	32.40	4.16	28.37	0.00	Peak	177	0	HORIZONTAL

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

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 25, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 7.5 dBi		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2390.00	52.82	54.00	-1.18	20.52	4.09	28.21	0.00	Average	100	0	HORIZONTAL
2	2390.00	65.88	74.00	-8.12	33.58	4.09	28.21	0.00	Peak	100	0	HORIZONTAL
3	2429.81	109.70			77.30	4.12	28.28	0.00	Peak	100	0	HORIZONTAL
4	2430.10	99.71			67.31	4.12	28.28	0.00	Average	100	0	HORIZONTAL

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2383.92	59.81	74.00	-14.19	27.55	4.08	28.18	0.00	Peak	177	2	HORIZONTAL
2	2390.00	47.91	54.00	-6.09	15.61	4.09	28.21	0.00	Average	177	2	HORIZONTAL
3	2442.21	113.50			81.06	4.13	28.31	0.00	Peak	177	2	HORIZONTAL
4	2442.60	103.38			70.94	4.13	28.31	0.00	Average	177	2	HORIZONTAL
5	2483.50	52.91	54.00	-1.09	20.38	4.16	28.37	0.00	Average	177	2	HORIZONTAL
6	2483.50	66.91	74.00	-7.09	34.38	4.16	28.37	0.00	Peak	177	2	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	2457.21	111.00			78.52	4.14	28.34	0.00	Peak	153	359	VERTICAL
2	2457.79	101.32			68.84	4.14	28.34	0.00	Average	153	359	VERTICAL
3	2484.37	48.75	54.00	-5.25	16.22	4.16	28.37	0.00	Average	153	359	VERTICAL
4	2496.24	62.28	74.00	-11.72	29.71	4.17	28.40	0.00	Peak	153	359	VERTICAL

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

Note:

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

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

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2386.04	61.57	74.00	-12.43	29.27	4.09	28.21	0.00	Peak	299	188	VERTICAL
2	2387.32	52.69	54.00	-1.31	20.39	4.09	28.21	0.00	Average	299	188	VERTICAL
3	2408.15	110.57			78.22	4.11	28.24	0.00	Average	299	188	VERTICAL
4	2408.47	113.67			81.32	4.11	28.24	0.00	Peak	299	188	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	2355.91	60.34	74.00	-13.66	28.12	4.07	28.15	0.00	Peak	111	168	HORIZONTAL
2	2357.51	50.48	54.00	-3.52	18.26	4.07	28.15	0.00	Average	111	168	HORIZONTAL
3	2436.04	117.32			84.92	4.12	28.28	0.00	Peak	111	168	HORIZONTAL
4	2436.36	113.82			81.42	4.12	28.28	0.00	Average	111	168	HORIZONTAL
5	2485.74	49.51	54.00	-4.49	16.98	4.16	28.37	0.00	Average	111	168	HORIZONTAL
6	2491.17	60.14	74.00	-13.86	27.57	4.17	28.40	0.00	Peak	111	168	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	2465.53	112.32			79.84	4.14	28.34	0.00	Peak	105	195	HORIZONTAL
2	2466.20	110.73			78.25	4.14	28.34	0.00	Average	105	195	HORIZONTAL
3	2486.71	62.28	74.00	-11.72	29.75	4.16	28.37	0.00	Peak	105	195	HORIZONTAL
4	2487.32	51.09	54.00	-2.91	18.56	4.16	28.37	0.00	Average	105	195	HORIZONTAL

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

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11g CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2390.00	52.93	54.00	-1.07	20.63	4.09	28.21	0.00	Average	158	206	VERTICAL
2	2390.00	65.77	74.00	-8.23	33.47	4.09	28.21	0.00	Peak	158	206	VERTICAL
3	2409.60	100.91			68.56	4.11	28.24	0.00	Average	158	206	VERTICAL
4	2409.76	112.87			80.52	4.11	28.24	0.00	Peak	158	206	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	2383.47	61.17	74.00	-12.83	28.91	4.08	28.18	0.00	Peak	212	200	HORIZONTAL
2	2388.60	50.22	54.00	-3.78	17.92	4.09	28.21	0.00	Average	212	200	HORIZONTAL
3	2442.13	111.84			79.40	4.13	28.31	0.00	Average	212	200	HORIZONTAL
4	2442.13	121.21			88.77	4.13	28.31	0.00	Peak	212	200	HORIZONTAL
5	2483.50	52.63	54.00	-1.37	20.10	4.16	28.37	0.00	Average	212	200	HORIZONTAL
6	2484.44	63.51	74.00	-10.49	30.98	4.16	28.37	0.00	Peak	212	200	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	2463.28	101.95			69.47	4.14	28.34	0.00	Average	235	196	HORIZONTAL
2	2463.76	112.58			80.10	4.14	28.34	0.00	Peak	235	196	HORIZONTAL
3	2483.50	52.58	54.00	-1.42	20.05	4.16	28.37	0.00	Average	235	196	HORIZONTAL
4	2483.64	64.83	74.00	-9.17	32.30	4.16	28.37	0.00	Peak	235	196	HORIZONTAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2389.89	64.38	74.00	-9.62	32.08	4.09	28.21	0.00	Peak	252	193	VERTICAL
2	2390.00	52.64	54.00	-1.36	20.34	4.09	28.21	0.00	Average	252	193	VERTICAL
3	2410.56	102.54			70.19	4.11	28.24	0.00	Average	252	193	VERTICAL
4	2410.88	112.72			80.37	4.11	28.24	0.00	Peak	252	193	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	2364.56	49.56	54.00	-4.44	17.34	4.07	28.15	0.00	Average	242	158	VERTICAL
2	2364.56	60.80	74.00	-13.20	28.58	4.07	28.15	0.00	Peak	242	158	VERTICAL
3	2444.37	121.60			89.16	4.13	28.31	0.00	Peak	242	158	VERTICAL
4	2445.01	111.68			79.24	4.13	28.31	0.00	Average	242	158	VERTICAL
5	2483.50	66.10	74.00	-7.90	33.57	4.16	28.37	0.00	Peak	242	158	VERTICAL
6	2484.44	52.81	54.00	-1.19	20.28	4.16	28.37	0.00	Average	242	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	2462.48	100.54			68.06	4.14	28.34	0.00	Average	292	170	VERTICAL
2	2463.76	112.26			79.78	4.14	28.34	0.00	Peak	292	170	VERTICAL
3	2483.50	52.64	54.00	-1.36	20.11	4.16	28.37	0.00	Average	292	170	VERTICAL
4	2483.96	64.02	74.00	-9.98	31.49	4.16	28.37	0.00	Peak	292	170	VERTICAL

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

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2387.39	52.87	54.00	-1.13	20.57	4.09	28.21	0.00	Average	300	182	VERTICAL
2	2388.67	65.29	74.00	-8.71	32.99	4.09	28.21	0.00	Peak	300	182	VERTICAL
3	2427.13	108.39			75.99	4.12	28.28	0.00	Peak	300	182	VERTICAL
4	2427.40	98.57			66.17	4.12	28.28	0.00	Average	300	182	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	2387.00	50.56	54.00	-3.44	18.26	4.09	28.21	0.00	Average	258	150	VERTICAL
2	2387.00	62.27	74.00	-11.73	29.97	4.09	28.21	0.00	Peak	258	150	VERTICAL
3	2444.37	112.28			79.84	4.13	28.31	0.00	Peak	258	150	VERTICAL
4	2445.01	103.53			71.09	4.13	28.31	0.00	Average	258	150	VERTICAL
5	2483.80	52.54	54.00	-1.46	20.01	4.16	28.37	0.00	Average	258	150	VERTICAL
6	2484.12	63.77	74.00	-10.23	31.24	4.16	28.37	0.00	Peak	258	150	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	2446.87	109.96			77.52	4.13	28.31	0.00	Peak	244	182	VERTICAL
2	2447.51	99.86			67.42	4.13	28.31	0.00	Average	244	182	VERTICAL
3	2487.26	52.66	54.00	-1.34	20.13	4.16	28.37	0.00	Average	244	182	VERTICAL
4	2487.58	65.51	74.00	-8.49	32.94	4.17	28.40	0.00	Peak	244	182	VERTICAL

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

Note:

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

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

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 10.5 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2329.95	52.98	54.00	-1.02	21.05	3.69	28.24	0.00	352	155	Average	VERTICAL
2	2331.23	63.03	74.00	-10.97	31.10	3.69	28.24	0.00	352	155	Peak	VERTICAL
3	2410.08	120.69			88.81	3.76	28.12	0.00	352	155	Peak	VERTICAL
4	2410.08	117.28			85.40	3.76	28.12	0.00	352	155	Average	VERTICAL
5	2488.60	61.90	74.00	-12.10	30.07	3.83	28.00	0.00	352	155	Peak	VERTICAL
6	2488.92	51.08	54.00	-2.92	19.25	3.83	28.00	0.00	352	155	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	2355.59	52.98	54.00	-1.02	21.07	3.72	28.19	0.00	346	141	Average	VERTICAL
2	2388.28	62.21	74.00	-11.79	30.32	3.75	28.14	0.00	346	141	Peak	VERTICAL
3	2435.08	122.97			91.10	3.77	28.10	0.00	346	141	Peak	VERTICAL
4	2435.08	119.34			87.47	3.77	28.10	0.00	346	141	Average	VERTICAL
5	2483.80	51.93	54.00	-2.07	20.09	3.82	28.02	0.00	346	141	Average	VERTICAL
6	2485.74	64.55	74.00	-9.45	32.71	3.82	28.02	0.00	346	141	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	2380.27	63.54	74.00	-10.46	31.64	3.73	28.17	0.00	351	122	Peak	VERTICAL
2	2380.59	52.92	54.00	-1.08	21.02	3.73	28.17	0.00	351	122	Average	VERTICAL
3	2460.08	120.43			88.58	3.80	28.05	0.00	351	122	Peak	VERTICAL
4	2460.40	116.98			85.13	3.80	28.05	0.00	351	122	Average	VERTICAL
5	2487.00	65.36	74.00	-8.64	33.52	3.82	28.02	0.00	351	122	Peak	VERTICAL
6	2508.80	50.72	54.00	-3.28	18.84	3.84	28.04	0.00	351	122	Average	VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11g CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 10.5 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2390.00	65.01	74.00	-8.99	33.12	3.75	28.14	0.00	8	148	Peak	VERTICAL
2	2390.00	52.88	54.00	-1.12	20.99	3.75	28.14	0.00	8	148	Average	VERTICAL
3	2411.04	107.98			76.10	3.76	28.12	0.00	8	148	Average	VERTICAL
4	2411.36	118.79			86.91	3.76	28.12	0.00	8	148	Peak	VERTICAL

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2352.06	52.81	54.00	-1.19	20.90	3.72	28.19	0.00	10	117	Average	HORIZONTAL
2	2352.71	63.86	74.00	-10.14	31.95	3.72	28.19	0.00	10	117	Peak	HORIZONTAL
3	2430.91	126.24			94.37	3.77	28.10	0.00	10	117	Peak	HORIZONTAL
4	2431.87	115.39			83.52	3.77	28.10	0.00	10	117	Average	HORIZONTAL
5	2483.50	63.45	74.00	-10.55	31.61	3.82	28.02	0.00	10	117	Peak	HORIZONTAL
6	2492.80	50.63	54.00	-3.37	18.80	3.83	28.00	0.00	10	117	Average	HORIZONTAL

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

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2462.64	118.38			86.53	3.80	28.05	0.00	8	116	Peak	VERTICAL
2	2462.96	106.60			74.75	3.80	28.05	0.00	8	116	Average	VERTICAL
3	2483.50	52.99	54.00	-1.01	21.15	3.82	28.02	0.00	8	116	Average	VERTICAL
4	2483.80	67.37	74.00	-6.63	35.53	3.82	28.02	0.00	8	116	Peak	VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 10.5 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2390.00	65.70	74.00	-8.30	33.81	3.75	28.14	0.00	13	114	Peak	HORIZONTAL
2	2390.00	52.76	54.00	-1.24	20.87	3.75	28.14	0.00	13	114	Average	HORIZONTAL
3	2410.56	107.66			75.78	3.76	28.12	0.00	13	114	Average	HORIZONTAL
4	2411.20	118.00			86.12	3.76	28.12	0.00	13	114	Peak	HORIZONTAL

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2351.74	52.98	54.00	-1.02	21.07	3.72	28.19	0.00	352	116	Average	VERTICAL
2	2379.31	64.60	74.00	-9.40	32.70	3.73	28.17	0.00	352	116	Peak	VERTICAL
3	2431.55	125.78			93.91	3.77	28.10	0.00	352	116	Peak	VERTICAL
4	2431.87	115.00			83.13	3.77	28.10	0.00	352	116	Average	VERTICAL
5	2484.12	65.11	74.00	-8.89	33.27	3.82	28.02	0.00	352	116	Peak	VERTICAL
6	2510.40	51.11	54.00	-2.89	19.23	3.84	28.04	0.00	352	116	Average	VERTICAL

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

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2464.40	108.30			76.45	3.80	28.05	0.00	356	114	Average	VERTICAL
2	2464.56	118.37			86.52	3.80	28.05	0.00	356	114	Peak	VERTICAL
3	2483.50	52.52	54.00	-1.48	20.68	3.82	28.02	0.00	356	114	Average	VERTICAL
4	2483.80	64.42	74.00	-9.58	32.58	3.82	28.02	0.00	356	114	Peak	VERTICAL

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

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 10.5 dBi		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2388.67	64.51	74.00	-9.49	32.62	3.75	28.14	0.00	4	117	Peak	VERTICAL
2	2388.67	52.91	54.00	-1.09	21.02	3.75	28.14	0.00	4	117	Average	VERTICAL
3	2428.73	102.32			70.45	3.77	28.10	0.00	4	117	Average	VERTICAL
4	2429.37	111.74			79.87	3.77	28.10	0.00	4	117	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	2386.52	61.16	74.00	-12.84	29.27	3.75	28.14	0.00	5	145	Peak	VERTICAL
2	2390.00	50.39	54.00	-3.61	18.50	3.75	28.14	0.00	5	145	Average	VERTICAL
3	2443.73	107.26			75.40	3.79	28.07	0.00	5	145	Average	VERTICAL
4	2444.69	117.39			85.53	3.79	28.07	0.00	5	145	Peak	VERTICAL
5	2483.50	64.71	74.00	-9.29	32.87	3.82	28.02	0.00	5	145	Peak	VERTICAL
6	2483.50	52.61	54.00	-1.39	20.77	3.82	28.02	0.00	5	145	Average	VERTICAL

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

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2444.63	113.05			81.19	3.79	28.07	0.00	2	125	Peak	VERTICAL
2	2444.95	103.38			71.52	3.79	28.07	0.00	2	125	Average	VERTICAL
3	2484.69	52.45	54.00	-1.55	20.61	3.82	28.02	0.00	2	125	Average	VERTICAL
4	2485.65	63.59	74.00	-10.41	31.75	3.82	28.02	0.00	2	125	Peak	VERTICAL

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

Note:

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

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 21, 2015		
Test Mode	Mode 5: EUT 1 + Set 7 Sector Antenna / 5 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2386.00	52.80	54.00	-1.20	20.91	3.75	28.14	0.00	355	166	Average	HORIZONTAL
2	2386.40	62.04	74.00	-11.96	30.15	3.75	28.14	0.00	355	166	Peak	HORIZONTAL
3	2408.80	111.26			79.38	3.76	28.12	0.00	355	166	Average	HORIZONTAL
4	2414.80	115.00			83.12	3.76	28.12	0.00	355	166	Peak	HORIZONTAL
5	2494.00	58.53	74.00	-15.47	26.70	3.83	28.00	0.00	355	166	Peak	HORIZONTAL
6	2494.00	48.66	54.00	-5.34	16.83	3.83	28.00	0.00	355	166	Average	HORIZONTAL

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2387.80	59.03	74.00	-14.97	27.14	3.75	28.14	0.00	359	195	Peak	VERTICAL
2	2387.80	49.28	54.00	-4.72	17.39	3.75	28.14	0.00	359	195	Average	VERTICAL
3	2436.20	117.70			85.83	3.77	28.10	0.00	359	195	Peak	VERTICAL
4	2436.20	115.51			83.64	3.77	28.10	0.00	359	195	Average	VERTICAL
5	2483.50	58.53	74.00	-15.47	26.69	3.82	28.02	0.00	359	195	Peak	VERTICAL
6	2486.20	50.22	54.00	-3.78	18.38	3.82	28.02	0.00	359	195	Average	VERTICAL

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

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2380.00	58.57	74.00	-15.43	26.67	3.73	28.17	0.00	12	185	Peak	HORIZONTAL
2	2381.20	49.48	54.00	-4.52	17.58	3.73	28.17	0.00	12	185	Average	HORIZONTAL
3	2460.40	119.80			87.95	3.80	28.05	0.00	12	185	Peak	HORIZONTAL
4	2460.80	116.57			84.72	3.80	28.05	0.00	12	185	Average	HORIZONTAL
5	2483.50	52.91	54.00	-1.09	21.07	3.82	28.02	0.00	12	185	Average	HORIZONTAL
6	2484.00	66.88	74.00	-7.12	35.04	3.82	28.02	0.00	12	185	Peak	HORIZONTAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11g CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 21, 2015		
Test Mode	Mode 5: EUT 1 + Set 7 Sector Antenna / 5 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2390.00	66.44	74.00	-7.56	34.55	3.75	28.14	0.00	1	173	Peak	VERTICAL
2	2390.00	52.77	54.00	-1.23	20.88	3.75	28.14	0.00	1	173	Average	VERTICAL
3	2408.80	104.84			72.96	3.76	28.12	0.00	1	173	Average	VERTICAL
4	2409.20	115.85			83.97	3.76	28.12	0.00	1	173	Peak	VERTICAL

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2363.80	60.08	74.00	-13.92	28.17	3.72	28.19	0.00	343	155	Peak	VERTICAL
2	2388.20	48.51	54.00	-5.49	16.62	3.75	28.14	0.00	343	155	Average	VERTICAL
3	2441.80	122.57			90.71	3.79	28.07	0.00	343	155	Peak	VERTICAL
4	2442.20	112.30			80.44	3.79	28.07	0.00	343	155	Average	VERTICAL
5	2483.50	68.03	74.00	-5.97	36.19	3.82	28.02	0.00	343	155	Peak	VERTICAL
6	2483.50	52.98	54.00	-1.02	21.14	3.82	28.02	0.00	343	155	Average	VERTICAL

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

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2464.80	116.11			84.26	3.80	28.05	0.00	2	190	Peak	VERTICAL
2	2465.20	105.57			73.72	3.80	28.05	0.00	2	190	Average	VERTICAL
3	2483.50	65.17	74.00	-8.83	33.33	3.82	28.02	0.00	2	190	Peak	VERTICAL
4	2483.50	52.68	54.00	-1.32	20.84	3.82	28.02	0.00	2	190	Average	VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 21, 2015		
Test Mode	Mode 5: EUT 1 + Set 7 Sector Antenna / 5 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2390.00	66.31	74.00	-7.69	34.42	3.75	28.14	0.00	0	157	Peak	VERTICAL
2	2390.00	52.96	54.00	-1.04	21.07	3.75	28.14	0.00	0	157	Average	VERTICAL
3	2408.40	114.10			82.22	3.76	28.12	0.00	0	157	Peak	VERTICAL
4	2409.00	102.85			70.97	3.76	28.12	0.00	0	157	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	2386.20	60.62	74.00	-13.38	28.73	3.75	28.14	0.00	348	165	Peak	VERTICAL
2	2389.80	48.18	54.00	-5.82	16.29	3.75	28.14	0.00	348	165	Average	VERTICAL
3	2442.20	122.89			91.03	3.79	28.07	0.00	348	165	Peak	VERTICAL
4	2442.20	111.02			79.16	3.79	28.07	0.00	348	165	Average	VERTICAL
5	2483.50	52.99	54.00	-1.01	21.15	3.82	28.02	0.00	348	165	Average	VERTICAL
6	2483.80	65.89	74.00	-8.11	34.05	3.82	28.02	0.00	348	165	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	2465.20	104.97			73.12	3.80	28.05	0.00	1	170	Average	VERTICAL
2	2466.00	115.01			83.16	3.80	28.05	0.00	1	170	Peak	VERTICAL
3	2484.00	66.34	74.00	-7.66	34.50	3.82	28.02	0.00	1	170	Peak	VERTICAL
4	2484.20	52.94	54.00	-1.06	21.10	3.82	28.02	0.00	1	170	Average	VERTICAL

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

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 21, 2015		
Test Mode	Mode 5: EUT 1 + Set 7 Sector Antenna / 5 dBi		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2386.00	66.17	74.00	-7.83	34.28	3.75	28.14	0.00	5	148	Peak	HORIZONTAL
2	2386.00	52.66	54.00	-1.34	20.77	3.75	28.14	0.00	5	148	Average	HORIZONTAL
3	2425.60	109.17			77.30	3.77	28.10	0.00	5	148	Peak	HORIZONTAL
4	2425.60	99.35			67.48	3.77	28.10	0.00	5	148	Average	HORIZONTAL

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.00	64.32	74.00	-9.68	32.43	3.75	28.14	0.00	356	153	Peak	VERTICAL
2	2390.00	52.71	54.00	-1.29	20.82	3.75	28.14	0.00	356	153	Average	VERTICAL
3	2429.40	112.94			81.07	3.77	28.10	0.00	356	153	Peak	VERTICAL
4	2429.80	101.73			69.86	3.77	28.10	0.00	356	153	Average	VERTICAL
5	2483.80	47.91	54.00	-6.09	16.07	3.82	28.02	0.00	356	153	Average	VERTICAL
6	2489.40	62.20	74.00	-11.80	30.37	3.83	28.00	0.00	356	153	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	2448.00	109.89			78.03	3.79	28.07	0.00	6	142	Peak	HORIZONTAL
2	2448.40	100.70			68.84	3.79	28.07	0.00	6	142	Average	HORIZONTAL
3	2488.00	66.79	74.00	-7.21	34.96	3.83	28.00	0.00	6	142	Peak	HORIZONTAL
4	2488.80	52.76	54.00	-1.24	20.93	3.83	28.00	0.00	6	142	Average	HORIZONTAL

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

Note:

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

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

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 21, 2015		
Test Mode	Mode 6: EUT 1 + Set 8 Dipole Antenna / 4.66 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2375.24	52.35	54.00	-1.65	20.09	4.08	28.18	0.00	Average	100	205	VERTICAL
2	2387.69	62.37	74.00	-11.63	30.07	4.09	28.21	0.00	Peak	100	205	VERTICAL
3	2413.45	120.51			88.16	4.11	28.24	0.00	Peak	100	205	VERTICAL
4	2413.74	118.11			85.76	4.11	28.24	0.00	Average	100	205	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	2355.80	59.43	74.00	-14.57	27.52	3.72	28.19	0.00	208	107	Peak	VERTICAL
2	2355.80	49.47	54.00	-4.53	17.56	3.72	28.19	0.00	208	107	Average	VERTICAL
3	2436.20	120.93			89.06	3.77	28.10	0.00	208	107	Peak	VERTICAL
4	2436.20	117.06			85.19	3.77	28.10	0.00	208	107	Average	VERTICAL
5	2483.50	48.28	54.00	-5.72	16.44	3.82	28.02	0.00	208	107	Average	VERTICAL
6	2484.60	58.10	74.00	-15.90	26.26	3.82	28.02	0.00	208	107	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	2461.20	115.80			83.95	3.80	28.05	0.00	253	118	Peak	VERTICAL
2	2461.20	111.95			80.10	3.80	28.05	0.00	253	118	Average	VERTICAL
3	2488.00	60.42	74.00	-13.58	28.59	3.83	28.00	0.00	253	118	Peak	VERTICAL
4	2488.80	52.41	54.00	-1.59	20.58	3.83	28.00	0.00	253	118	Average	VERTICAL

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

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11g CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 20, 2015 ~ Oct. 21, 2015		
Test Mode	Mode 6: EUT 1 + Set 8 Dipole Antenna / 4.66 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2390.00	52.21	54.00	-1.79	19.91	4.09	28.21	0.00	Average	100	62	VERTICAL
2	2390.00	66.52	74.00	-7.48	34.22	4.09	28.21	0.00	Peak	100	62	VERTICAL
3	2409.68	115.17			82.82	4.11	28.24	0.00	Peak	100	62	VERTICAL
4	2409.97	105.04			72.69	4.11	28.24	0.00	Average	100	62	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	2389.42	66.15	74.00	-7.85	33.85	4.09	28.21	0.00	Peak	121	25	VERTICAL
2	2390.00	52.90	54.00	-1.10	20.60	4.09	28.21	0.00	Average	121	25	VERTICAL
3	2433.53	125.79			93.39	4.12	28.28	0.00	Peak	121	25	VERTICAL
4	2433.82	115.57			83.17	4.12	28.28	0.00	Average	121	25	VERTICAL
5	2494.02	51.97	54.00	-2.03	19.40	4.17	28.40	0.00	Average	121	25	VERTICAL
6	2495.18	65.92	74.00	-8.08	33.35	4.17	28.40	0.00	Peak	121	25	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	2469.24	102.64			70.16	4.14	28.34	0.00	Average	109	3	VERTICAL
2	2469.53	112.39			79.91	4.14	28.34	0.00	Peak	109	3	VERTICAL
3	2483.50	52.82	54.00	-1.18	20.29	4.16	28.37	0.00	Average	109	3	VERTICAL
4	2483.50	66.88	74.00	-7.12	34.35	4.16	28.37	0.00	Peak	109	3	VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 21, 2015		
Test Mode	Mode 6: EUT 1 + Set 8 Dipole Antenna / 4.66 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2390.00	52.68	54.00	-1.32	20.38	4.09	28.21	0.00	Average	122	354	VERTICAL
2	2390.00	65.00	74.00	-9.00	32.70	4.09	28.21	0.00	Peak	122	354	VERTICAL
3	2410.55	102.45			70.10	4.11	28.24	0.00	Average	122	354	VERTICAL
4	2411.13	112.48			80.13	4.11	28.24	0.00	Peak	122	354	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	2383.92	62.21	74.00	-11.79	29.95	4.08	28.18	0.00	Peak	102	115	VERTICAL
2	2390.00	49.43	54.00	-4.57	17.13	4.09	28.21	0.00	Average	102	115	VERTICAL
3	2443.95	111.87			79.43	4.13	28.31	0.00	Average	102	115	VERTICAL
4	2444.24	123.59			91.15	4.13	28.31	0.00	Peak	102	115	VERTICAL
5	2483.79	52.65	54.00	-1.35	20.12	4.16	28.37	0.00	Average	102	115	VERTICAL
6	2483.89	66.41	74.00	-7.59	33.88	4.16	28.37	0.00	Peak	102	115	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	2462.29	102.95			70.47	4.14	28.34	0.00	Average	108	5	VERTICAL
2	2463.45	114.40			81.92	4.14	28.34	0.00	Peak	108	5	VERTICAL
3	2483.50	52.82	54.00	-1.18	20.29	4.16	28.37	0.00	Average	108	5	VERTICAL
4	2483.50	66.54	74.00	-7.46	34.01	4.16	28.37	0.00	Peak	108	5	VERTICAL

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

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 21, 2015		
Test Mode	Mode 6: EUT 1 + Set 8 Dipole Antenna / 4.66 dBi		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2388.71	52.81	54.00	-1.19	20.51	4.09	28.21	0.00	Average	135	26	VERTICAL
2	2389.00	64.60	74.00	-9.40	32.30	4.09	28.21	0.00	Peak	135	26	VERTICAL
3	2428.95	99.83			67.43	4.12	28.28	0.00	Average	135	26	VERTICAL
4	2429.53	109.46			77.06	4.12	28.28	0.00	Peak	135	26	VERTICAL

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2390.00	52.66	54.00	-1.34	20.36	4.09	28.21	0.00	Average	117	26	VERTICAL
2	2390.00	65.11	74.00	-8.89	32.81	4.09	28.21	0.00	Peak	117	26	VERTICAL
3	2438.45	100.56			68.12	4.13	28.31	0.00	Average	117	26	VERTICAL
4	2438.45	110.57			78.13	4.13	28.31	0.00	Peak	117	26	VERTICAL
5	2484.18	63.92	74.00	-10.08	31.39	4.16	28.37	0.00	Peak	117	26	VERTICAL
6	2484.95	49.73	54.00	-4.27	17.20	4.16	28.37	0.00	Average	117	26	VERTICAL

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

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2444.47	110.39			77.95	4.13	28.31	0.00	Peak	107	207	VERTICAL
2	2445.05	100.33			67.89	4.13	28.31	0.00	Average	107	207	VERTICAL
3	2484.42	52.14	54.00	-1.86	19.61	4.16	28.37	0.00	Average	107	207	VERTICAL
4	2485.00	64.99	74.00	-9.01	32.46	4.16	28.37	0.00	Peak	107	207	VERTICAL

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

Note:

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

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

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 15, 2015 ~ Oct. 16, 2015		
Test Mode	Mode 7: EUT 2 + Set 10 PIFA Antenna / Chain1:3.81 dBi, Chain2:3.75 dBi, Chain3:3.98 dBi, Chain4:3.47 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2383.34	61.76	74.00	-12.24	29.50	4.08	28.18	0.00	Peak	100	49	HORIZONTAL
2	2387.40	49.82	54.00	-4.18	17.52	4.09	28.21	0.00	Average	100	49	HORIZONTAL
3	2410.26	115.92			83.57	4.11	28.24	0.00	Average	100	49	HORIZONTAL
4	2410.55	118.77			86.42	4.11	28.24	0.00	Peak	100	49	HORIZONTAL

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2355.85	49.77	54.00	-4.23	17.55	4.07	28.15	0.00	Average	113	54	HORIZONTAL
2	2388.84	62.05	74.00	-11.95	29.75	4.09	28.21	0.00	Peak	113	54	HORIZONTAL
3	2436.13	115.86			83.46	4.12	28.28	0.00	Average	113	54	HORIZONTAL
4	2436.13	115.86			83.46	4.12	28.28	0.00	Peak	113	54	HORIZONTAL
5	2499.71	62.02	74.00	-11.98	29.45	4.17	28.40	0.00	Peak	113	54	HORIZONTAL
6	2500.00	47.86	54.00	-6.14	15.29	4.17	28.40	0.00	Average	113	54	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	2461.13	114.87			82.39	4.14	28.34	0.00	Average	121	44	HORIZONTAL
2	2461.42	117.71			85.23	4.14	28.34	0.00	Peak	121	44	HORIZONTAL
3	2487.84	49.58	54.00	-4.42	17.01	4.17	28.40	0.00	Average	121	44	HORIZONTAL
4	2487.84	61.77	74.00	-12.23	29.20	4.17	28.40	0.00	Peak	121	44	HORIZONTAL

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

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11g CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 16, 2015		
Test Mode	Mode 7: EUT 2 + Set 10 PIFA Antenna / Chain1:3.81 dBi, Chain2:3.75 dBi, Chain3:3.98 dBi, Chain4:3.47 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2390.00	52.45	54.00	-1.55	20.15	4.09	28.21	0.00	Average	120	50	HORIZONTAL
2	2390.00	55.09	74.00	-18.91	22.79	4.09	28.21	0.00	Peak	120	50	HORIZONTAL
3	2404.47	109.09			76.74	4.11	28.24	0.00	Peak	120	50	HORIZONTAL
4	2404.76	105.26			72.91	4.11	28.24	0.00	Average	120	50	HORIZONTAL

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2390.00	50.61	54.00	-3.39	18.31	4.09	28.21	0.00	Average	125	336	HORIZONTAL
2	2390.00	64.04	74.00	-9.96	31.74	4.09	28.21	0.00	Peak	125	336	HORIZONTAL
3	2438.16	110.97			78.53	4.13	28.31	0.00	Average	125	336	HORIZONTAL
4	2439.03	120.86			88.42	4.13	28.31	0.00	Peak	125	336	HORIZONTAL
5	2483.50	60.52	74.00	-13.48	27.99	4.16	28.37	0.00	Peak	125	336	HORIZONTAL
6	2500.00	48.58	54.00	-5.42	16.01	4.17	28.40	0.00	Average	125	336	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	2462.87	112.23			79.75	4.14	28.34	0.00	Peak	125	313	HORIZONTAL
2	2463.01	102.57			70.09	4.14	28.34	0.00	Average	125	313	HORIZONTAL
3	2483.50	52.67	54.00	-1.33	20.14	4.16	28.37	0.00	Average	125	313	HORIZONTAL
4	2483.50	66.19	74.00	-7.81	33.66	4.16	28.37	0.00	Peak	125	313	HORIZONTAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 16, 2015		
Test Mode	Mode 7: EUT 2 + Set 10 PIFA Antenna / Chain1:3.81 dBi, Chain2:3.75 dBi, Chain3:3.98 dBi, Chain4:3.47 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2390.00	52.56	54.00	-1.44	20.26	4.09	28.21	0.00	Average	119	55	HORIZONTAL
2	2390.00	67.13	74.00	-6.87	34.83	4.09	28.21	0.00	Peak	119	55	HORIZONTAL
3	2408.38	115.04			82.69	4.11	28.24	0.00	Peak	119	55	HORIZONTAL
4	2409.25	103.60			71.25	4.11	28.24	0.00	Average	119	55	HORIZONTAL

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2390.00	49.89	54.00	-4.11	17.59	4.09	28.21	0.00	Average	250	45	VERTICAL
2	2390.00	62.34	74.00	-11.66	30.04	4.09	28.21	0.00	Peak	250	45	VERTICAL
3	2441.05	111.97			79.53	4.13	28.31	0.00	Average	250	45	VERTICAL
4	2441.05	122.90			90.46	4.13	28.31	0.00	Peak	250	45	VERTICAL
5	2483.50	52.04	54.00	-1.96	19.51	4.16	28.37	0.00	Average	250	45	VERTICAL
6	2483.50	66.12	74.00	-7.88	33.59	4.16	28.37	0.00	Peak	250	45	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	2463.45	101.47			68.99	4.14	28.34	0.00	Average	258	0	VERTICAL
2	2463.74	114.05			81.57	4.14	28.34	0.00	Peak	258	0	VERTICAL
3	2483.50	52.69	54.00	-1.31	20.16	4.16	28.37	0.00	Average	258	0	VERTICAL
4	2483.50	65.90	74.00	-8.10	33.37	4.16	28.37	0.00	Peak	258	0	VERTICAL

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

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 16, 2015		
Test Mode	Mode 7: EUT 2 + Set 10 PIFA Antenna / Chain1:3.81 dBi, Chain2:3.75 dBi, Chain3:3.98 dBi, Chain4:3.47 dBi		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2386.82	52.67	54.00	-1.33	20.37	4.09	28.21	0.00	Average	152	42	HORIZONTAL
2	2387.11	64.68	74.00	-9.32	32.38	4.09	28.21	0.00	Peak	152	42	HORIZONTAL
3	2426.34	99.41			67.01	4.12	28.28	0.00	Average	152	42	HORIZONTAL
4	2426.92	109.39			76.99	4.12	28.28	0.00	Peak	152	42	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	50.42	54.00	-3.58	18.12	4.09	28.21	0.00	Average	272	15	VERTICAL
2	2390.00	62.63	74.00	-11.37	30.33	4.09	28.21	0.00	Peak	272	15	VERTICAL
3	2443.66	102.17			69.73	4.13	28.31	0.00	Average	272	15	VERTICAL
4	2444.53	111.77			79.33	4.13	28.31	0.00	Peak	272	15	VERTICAL
5	2483.50	52.77	54.00	-1.23	20.24	4.16	28.37	0.00	Average	272	15	VERTICAL
6	2483.50	65.40	74.00	-8.60	32.87	4.16	28.37	0.00	Peak	272	15	VERTICAL

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

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2444.19	98.42			65.98	4.13	28.31	0.00	Average	123	306	HORIZONTAL
2	2463.29	108.32			75.84	4.14	28.34	0.00	Peak	123	306	HORIZONTAL
3	2483.50	52.85	54.00	-1.15	20.32	4.16	28.37	0.00	Average	123	306	HORIZONTAL
4	2483.50	64.85	74.00	-9.15	32.32	4.16	28.37	0.00	Peak	123	306	HORIZONTAL

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

Note:

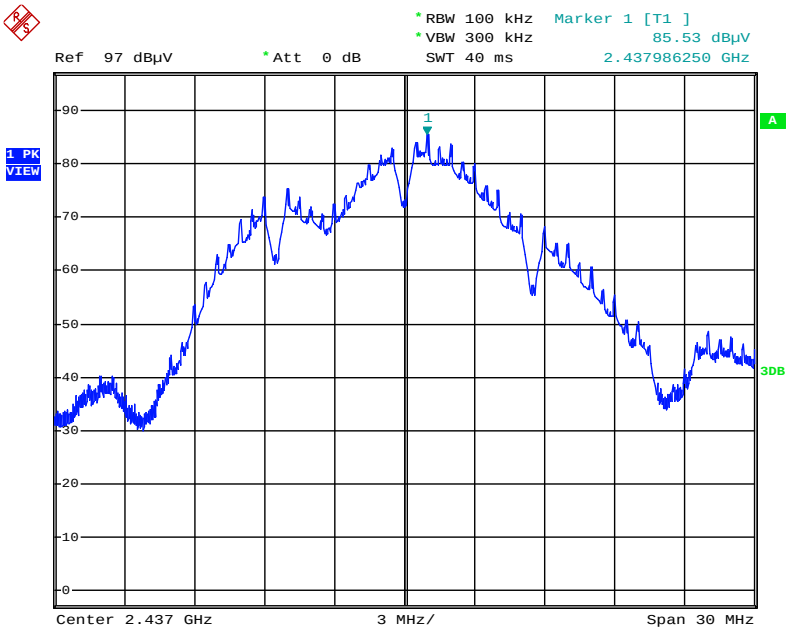
Emission level (dBuV/m) = 20 log Emission level (uV/m).

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

For Emission not in Restricted Band

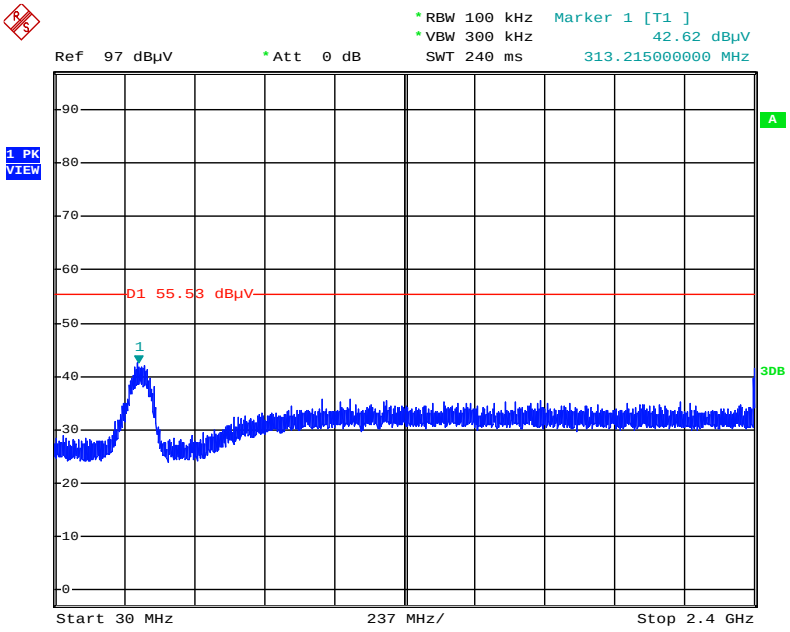
Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 4 dBi

Plot on Configuration IEEE 802.11b / Reference Level



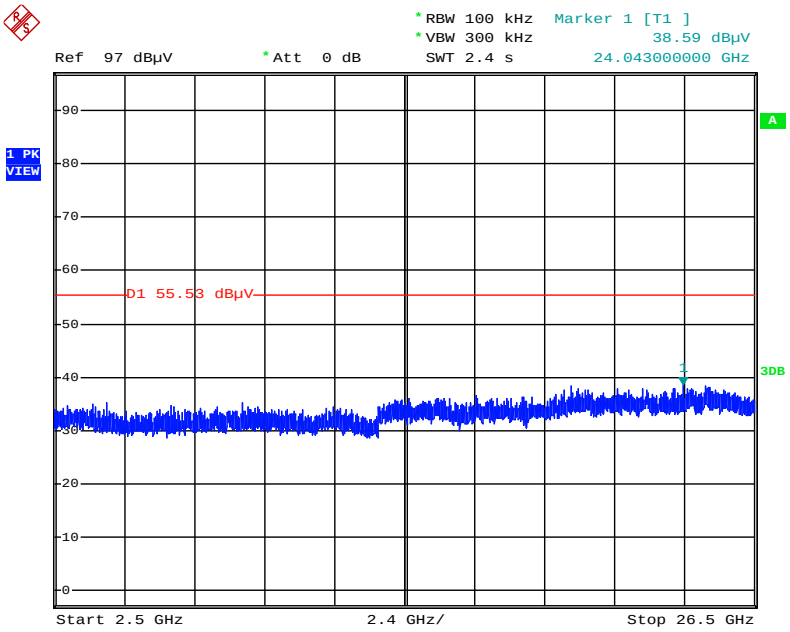
Date: 9.NOV.2015 18:34:50

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



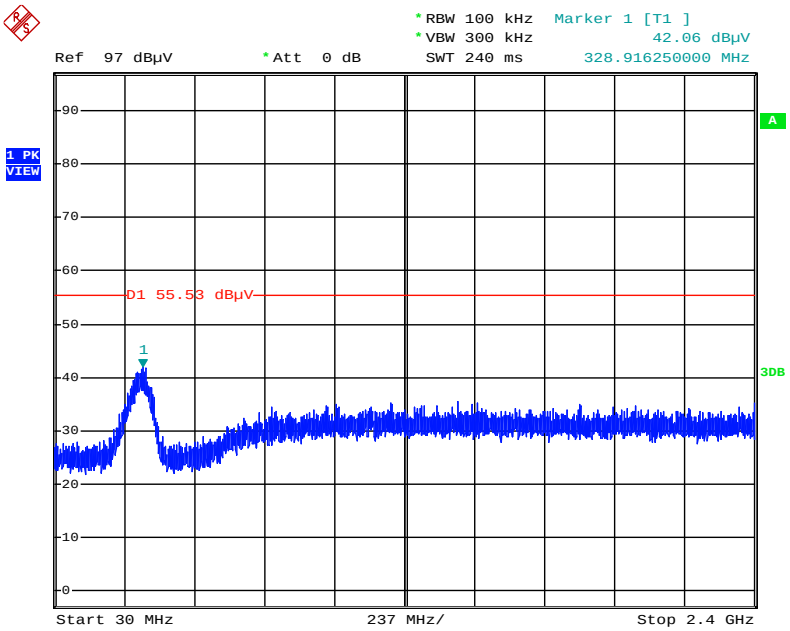
Date: 9.NOV.2015 18:37:05

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



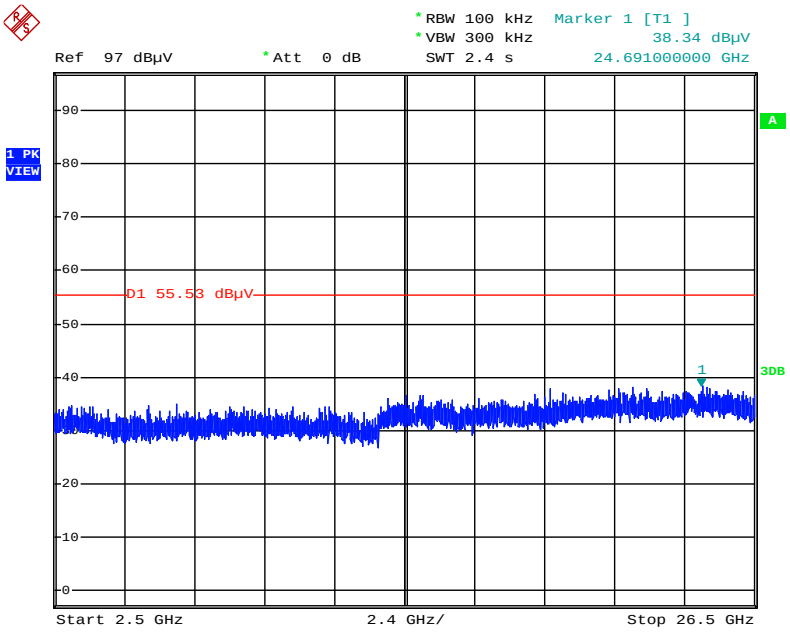
Date: 9.NOV.2015 18:37:41

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



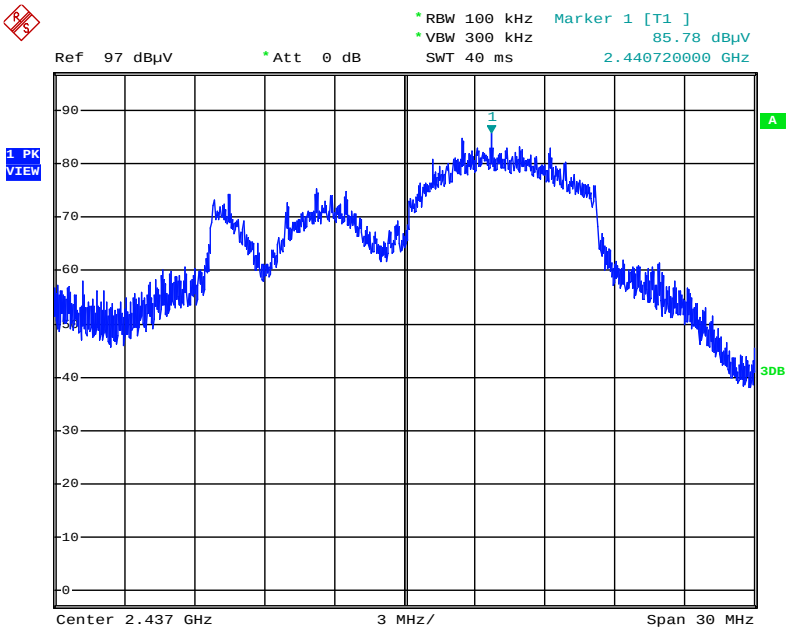
Date: 9.NOV.2015 18:38:55

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



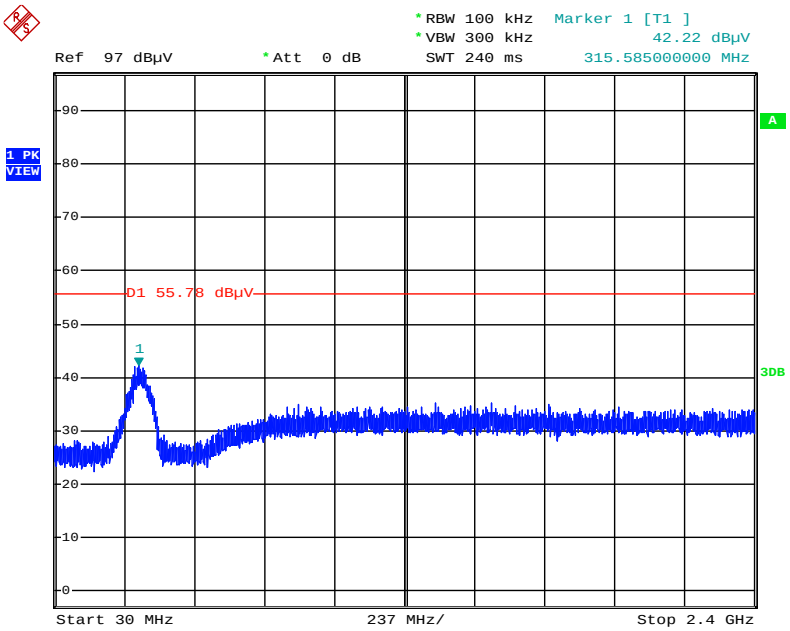
Date: 9.NOV.2015 18:38:30

Plot on Configuration IEEE 802.11g / Reference Level



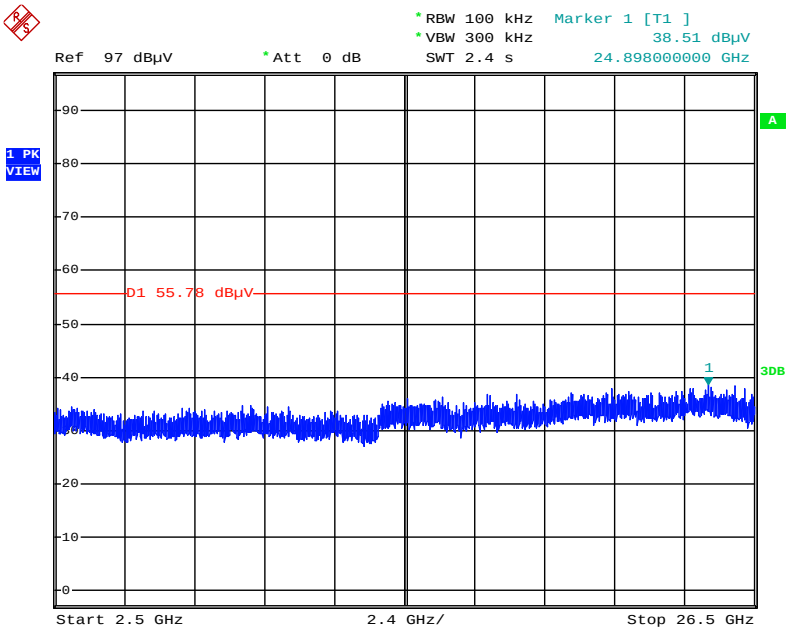
Date: 9.NOV.2015 18:44:48

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



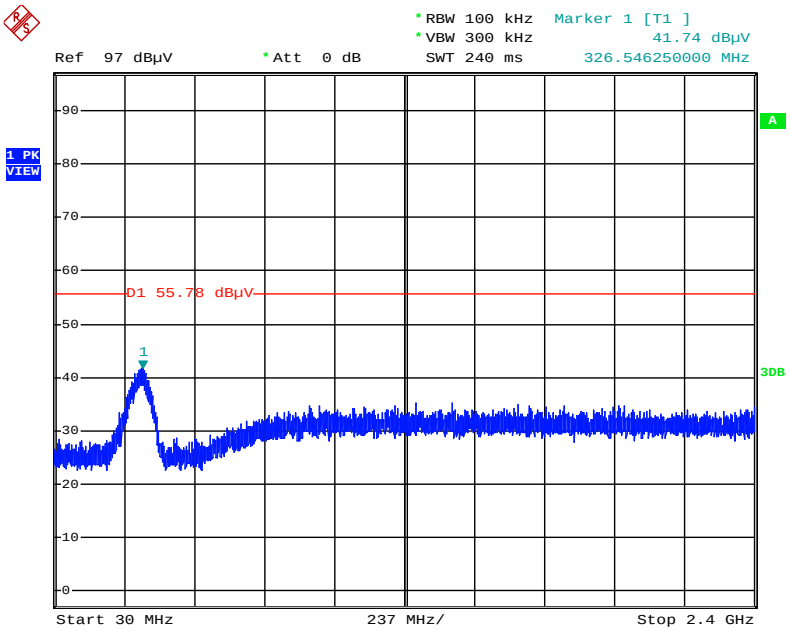
Date: 9.NOV.2015 18:45:46

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



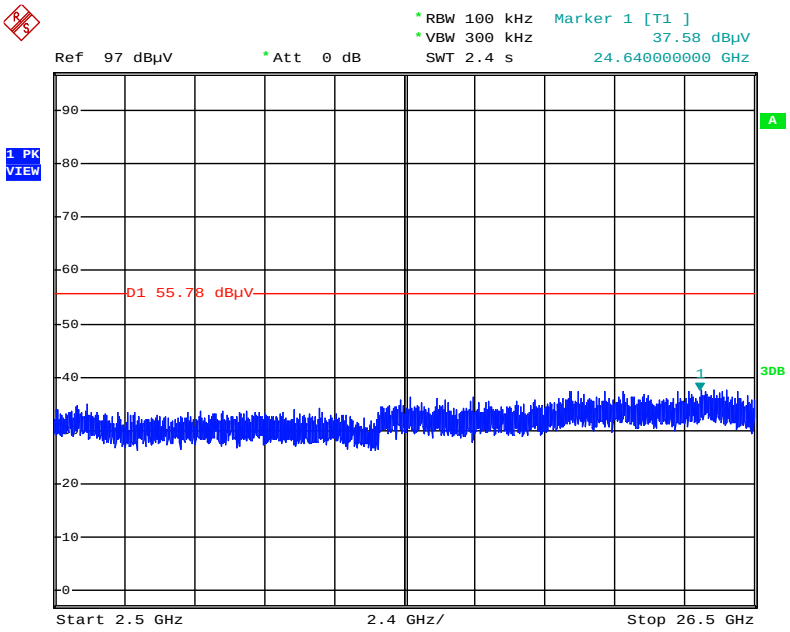
Date: 9.NOV.2015 18:46:13

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



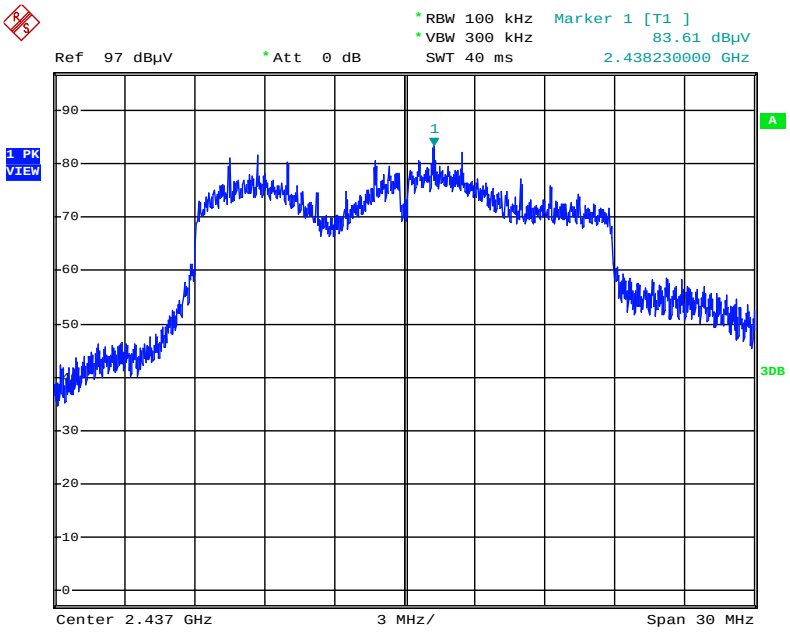
Date: 9.NOV.2015 18:47:14

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



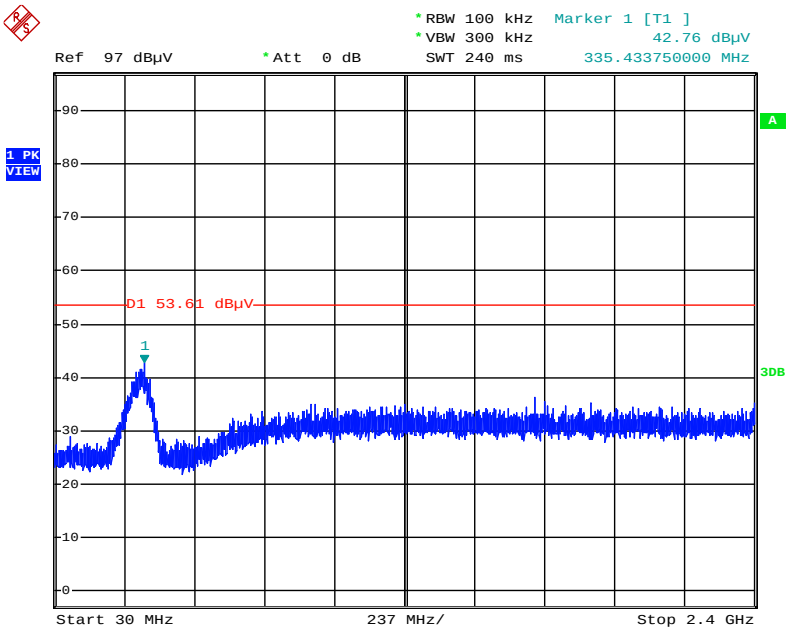
Date: 9.NOV.2015 18:46:45

Plot on Configuration IEEE 802.11n MCS0 HT20 / Reference Level



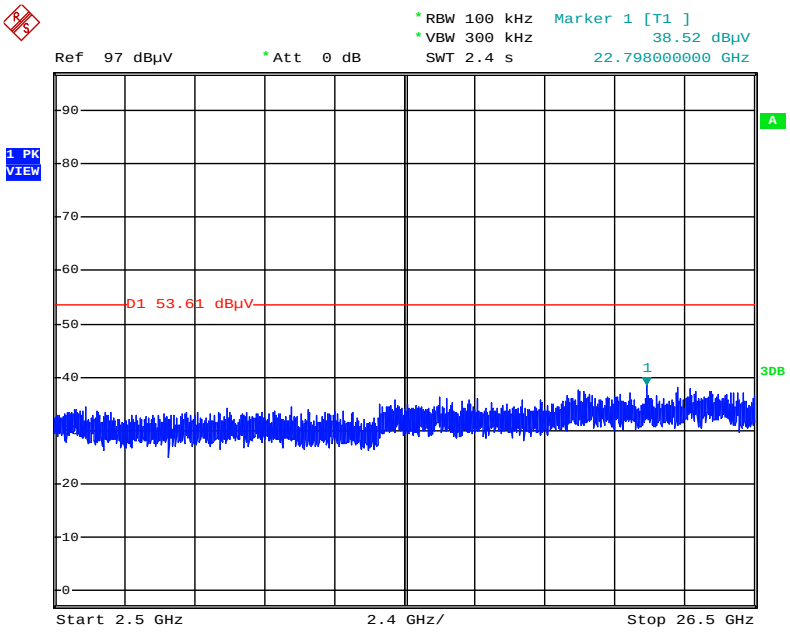
Date: 9.NOV.2015 18:48:36

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



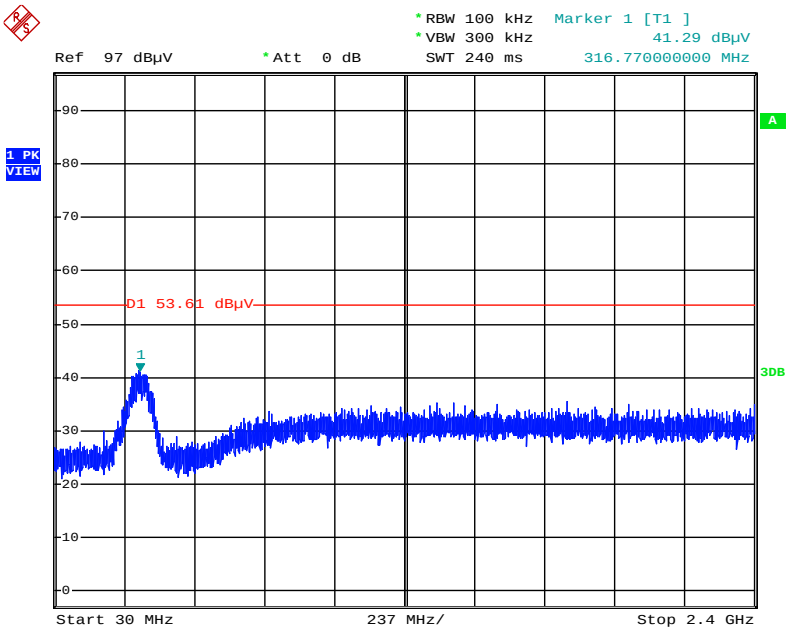
Date: 9.NOV.2015 18:49:25

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



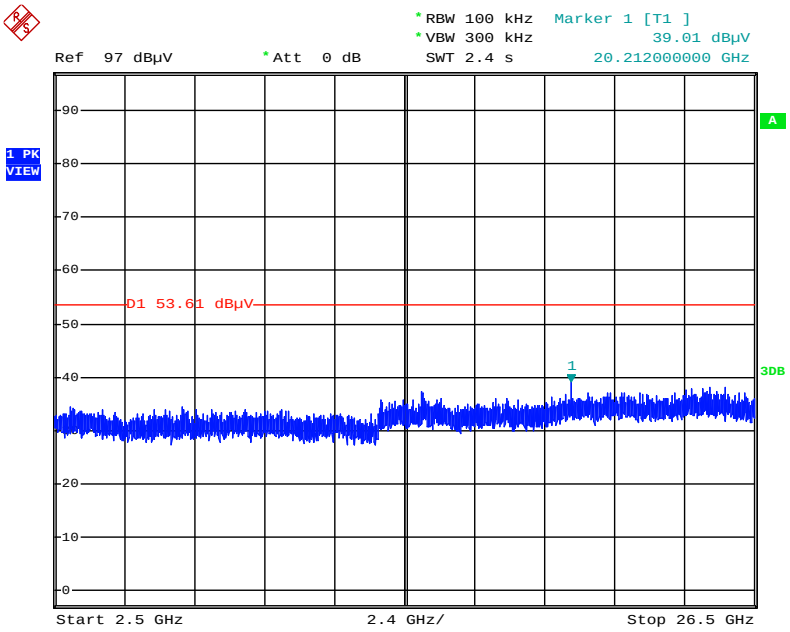
Date: 9.NOV.2015 18:49:51

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



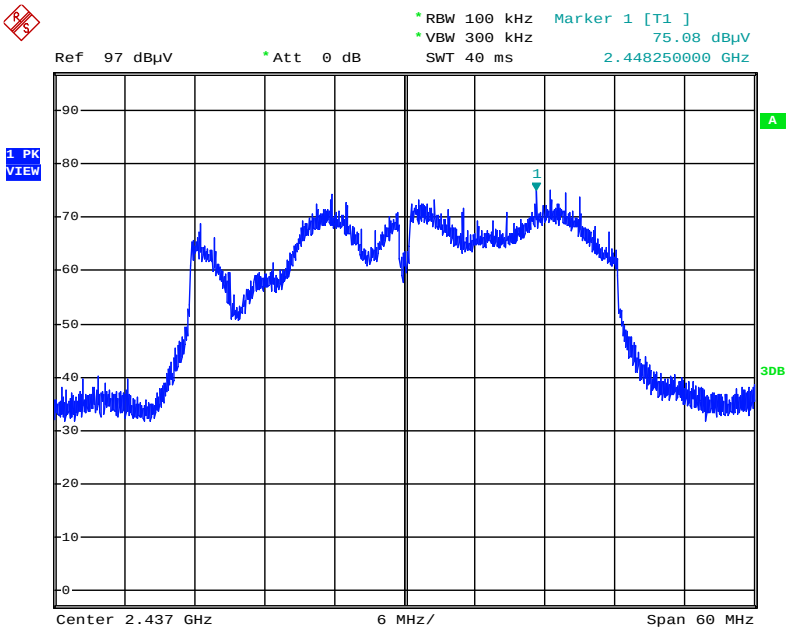
Date: 9.NOV.2015 18:50:54

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



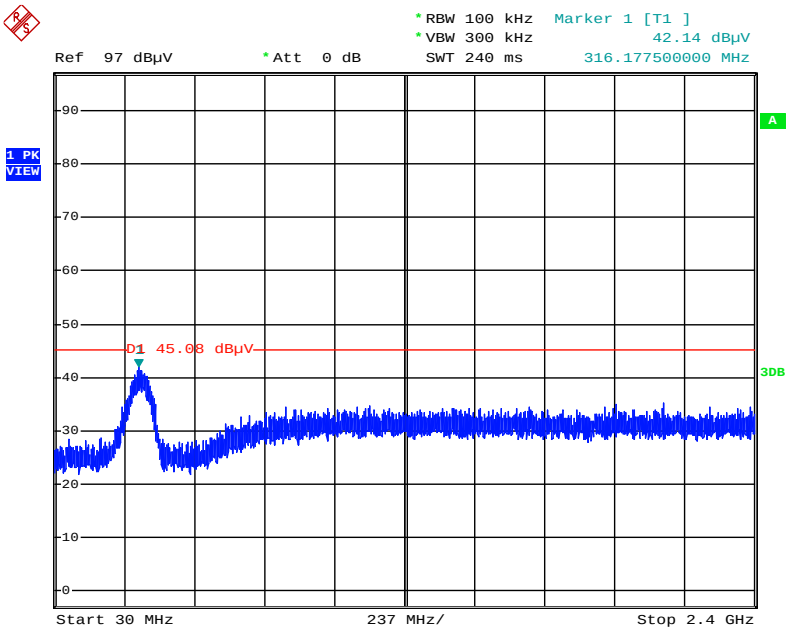
Date: 9.NOV.2015 18:50:25

Plot on Configuration IEEE 802.11n MCS0 HT40 / Reference Level



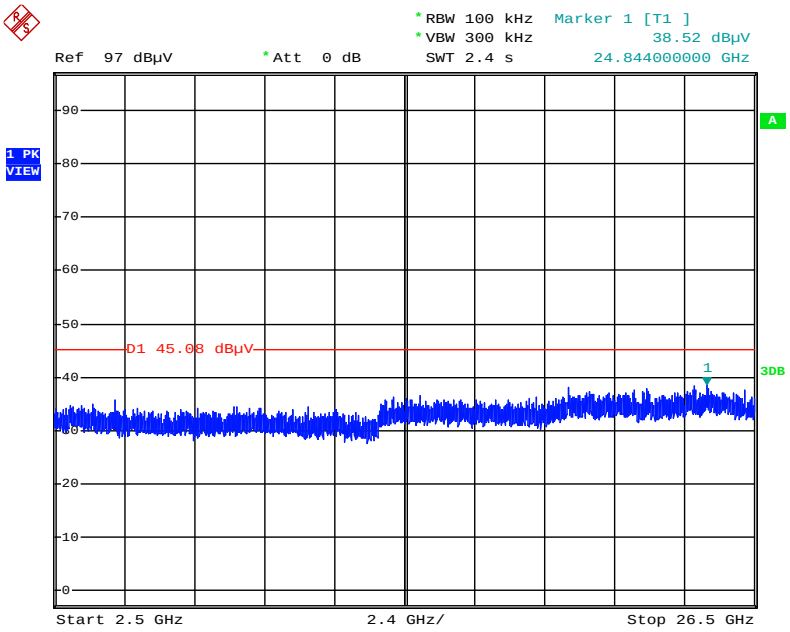
Date: 9.NOV.2015 18:53:37

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



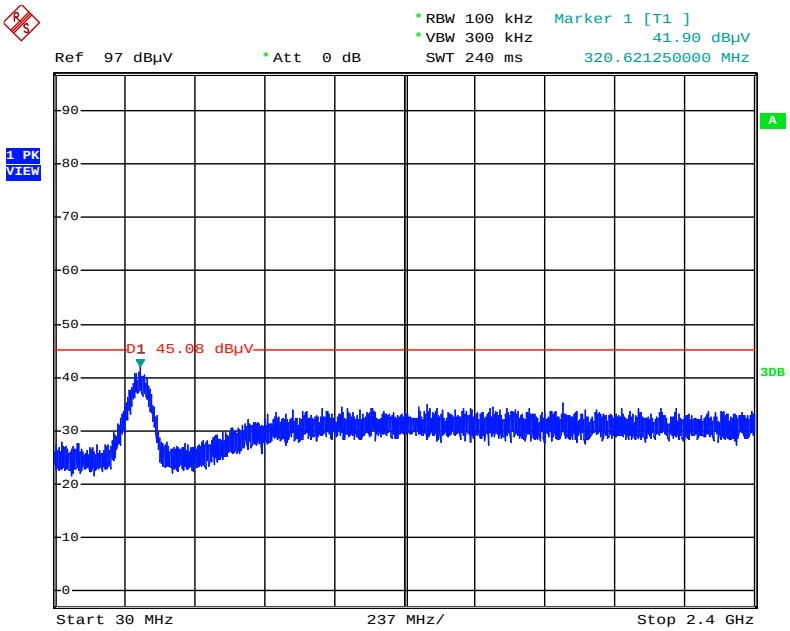
Date: 9.NOV.2015 18:55:57

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



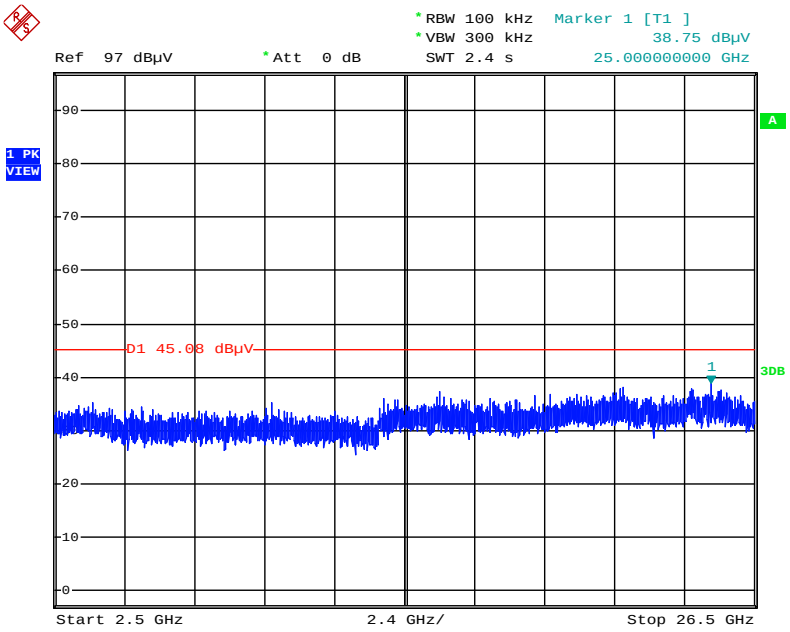
Date: 9.NOV.2015 18:56:22

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



Date: 9.NOV.2015 18:57:10

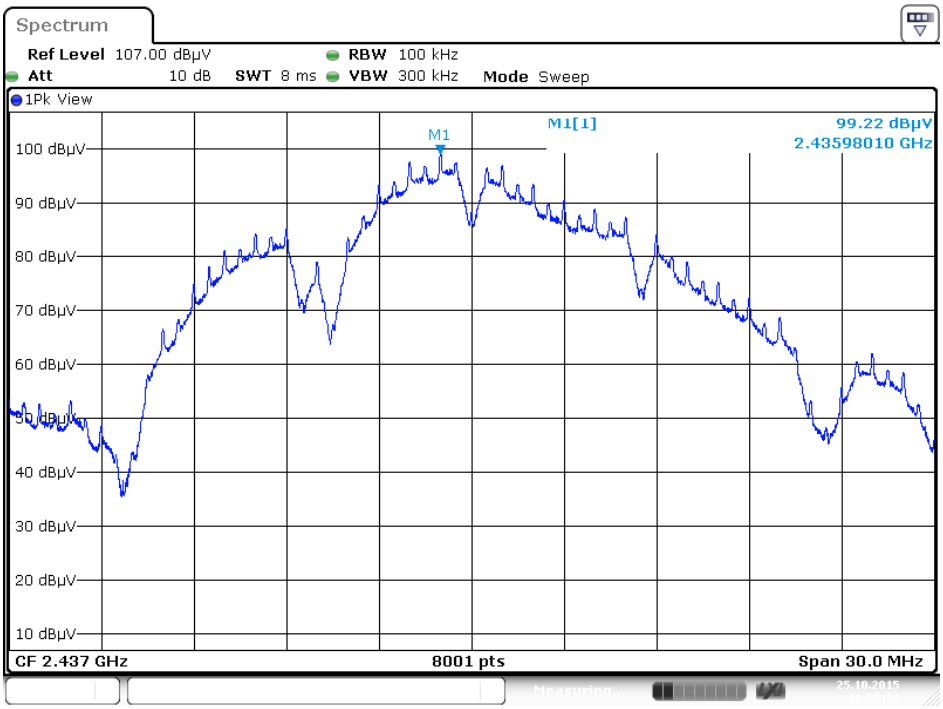
Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 9 / 2500MHz~26500MHz (down 30dBc)



Date: 9.NOV.2015 18:56:47

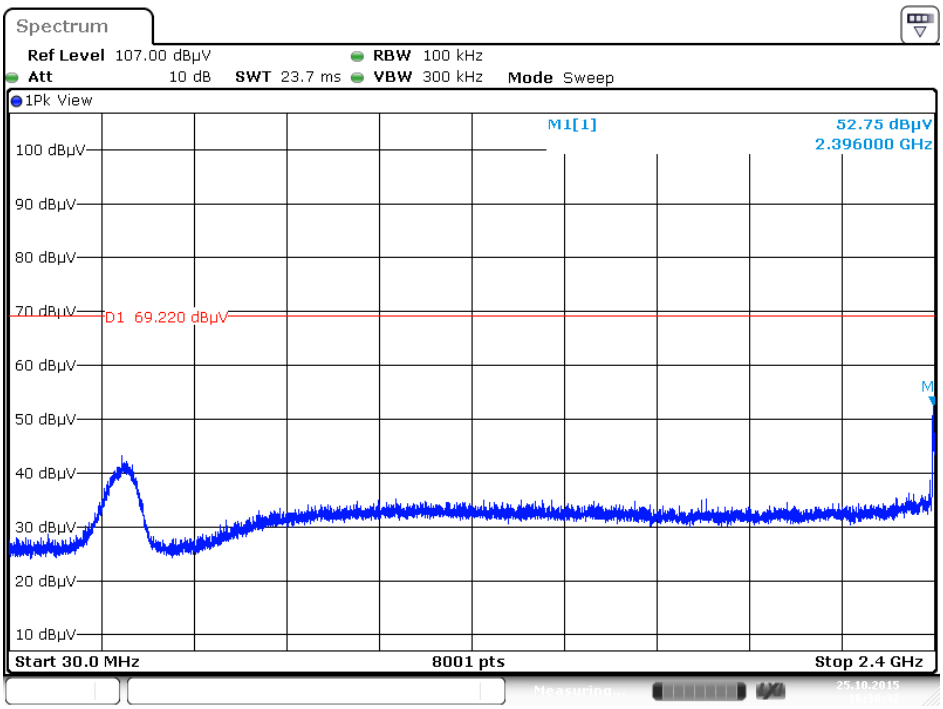
Mode 2: EUT 1 + Set 2 Sector Antenna / 7.5 dBi

Plot on Configuration IEEE 802.11b / Reference Level



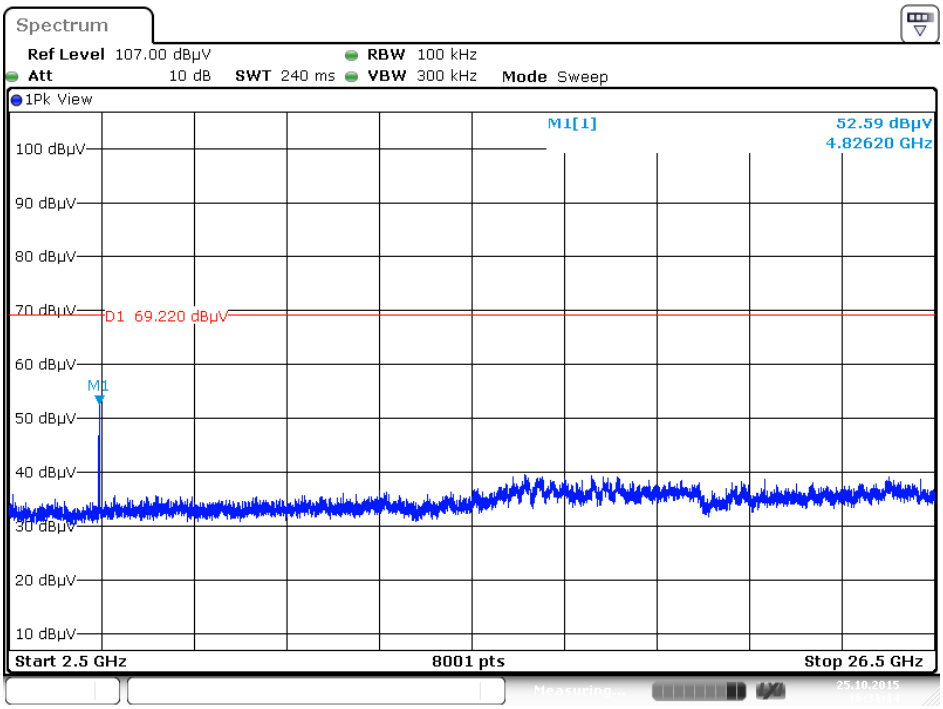
Date: 25.OCT.2015 16:28:34

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



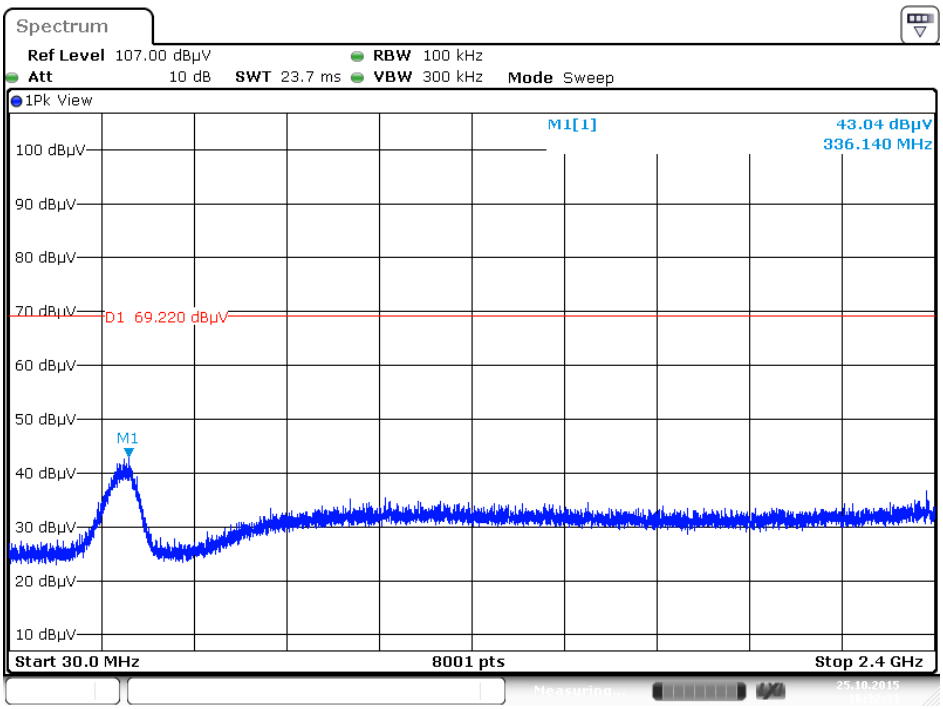
Date: 25.OCT.2015 16:30:33

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



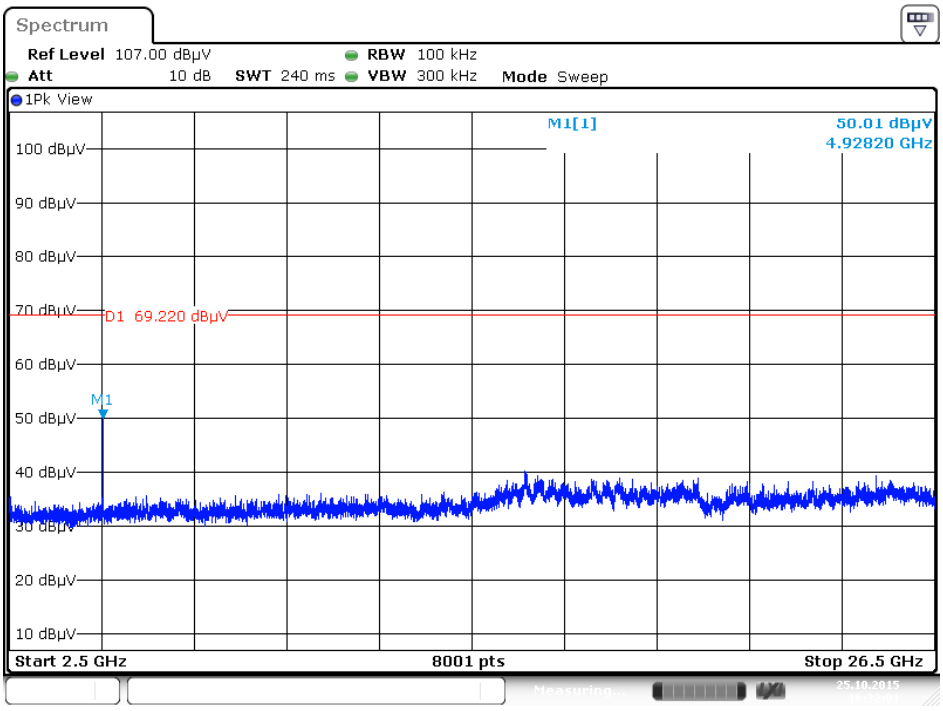
Date: 25.OCT.2015 16:31:14

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



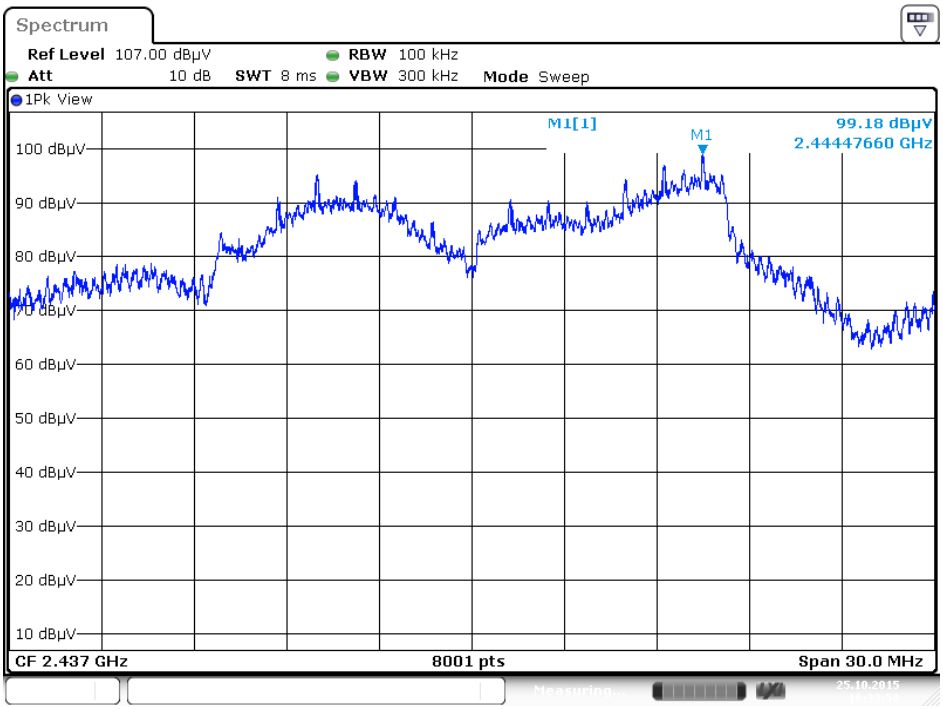
Date: 25.OCT.2015 16:32:31

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



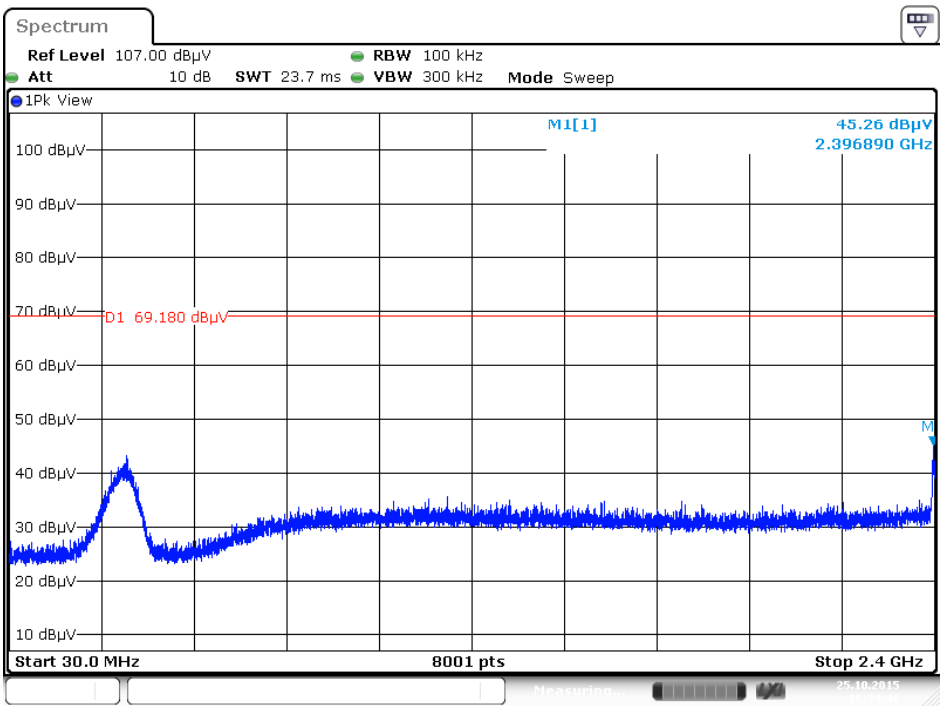
Date: 25.OCT.2015 16:32:01

Plot on Configuration IEEE 802.11g / Reference Level



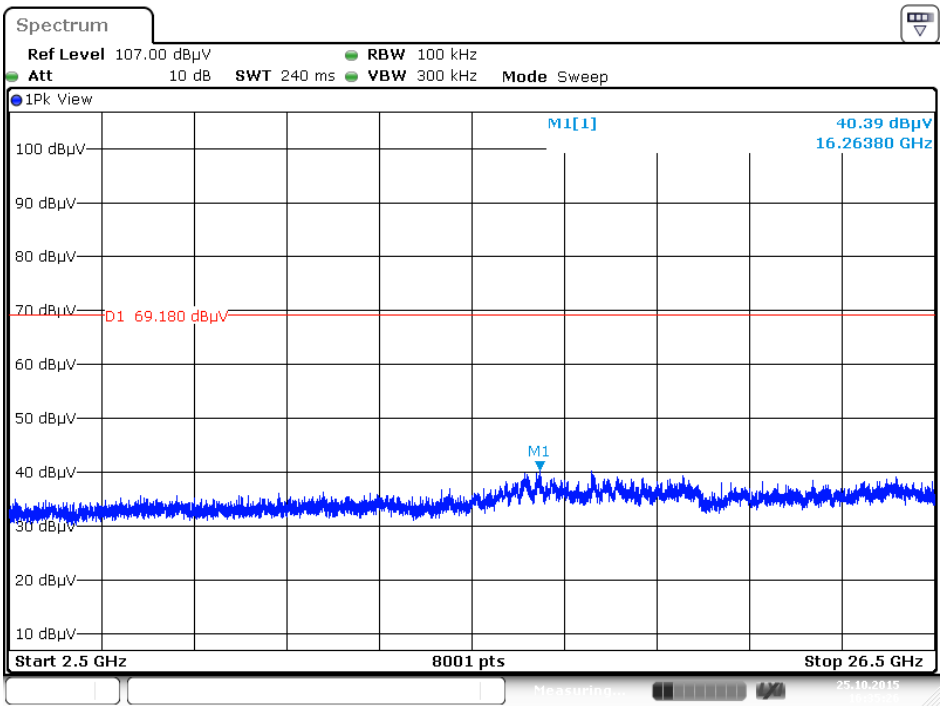
Date: 25.OCT.2015 16:33:50

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



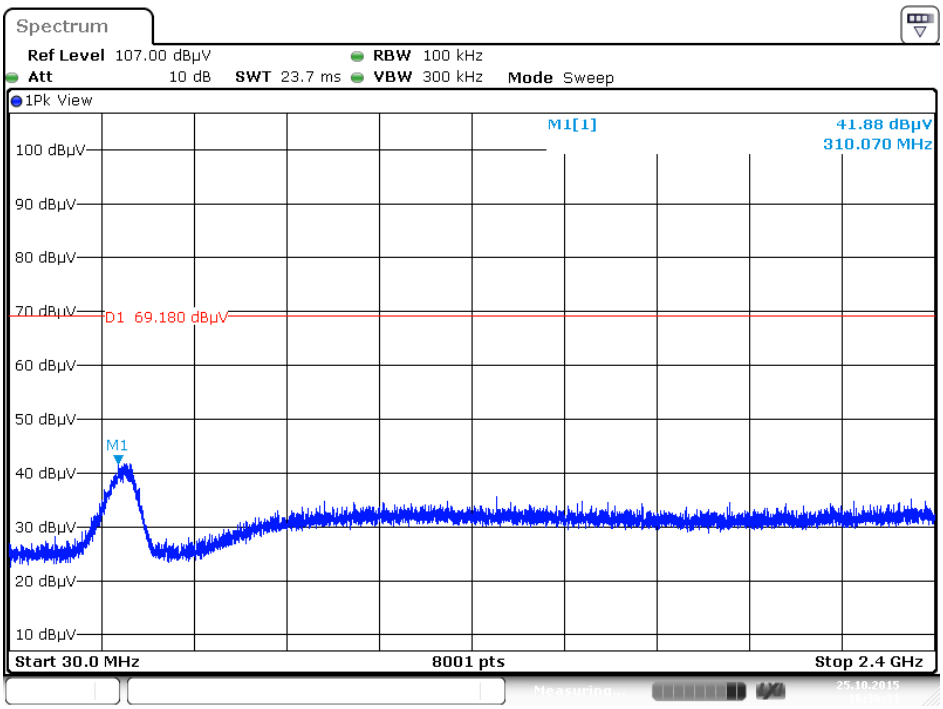
Date: 25.OCT.2015 16:34:48

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



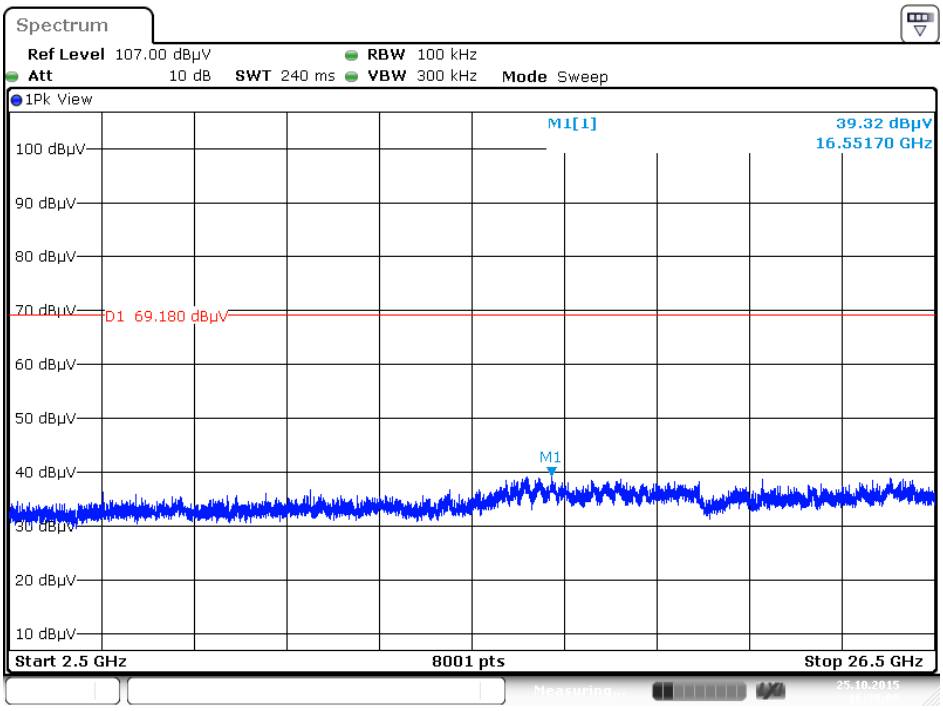
Date: 25.OCT.2015 16:35:27

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

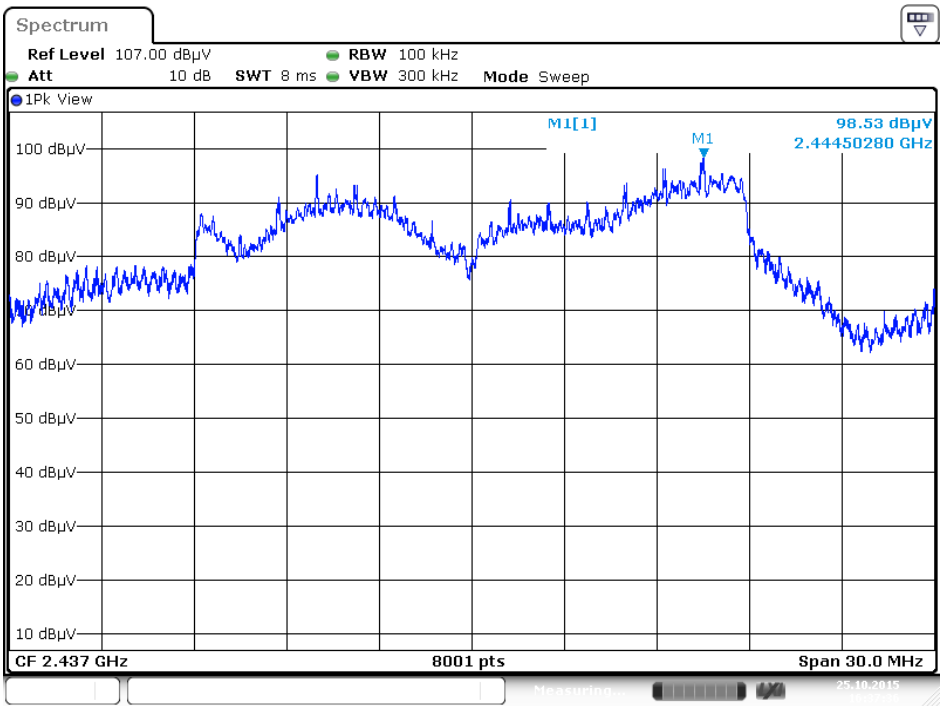


Date: 25.OCT.2015 16:36:32

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

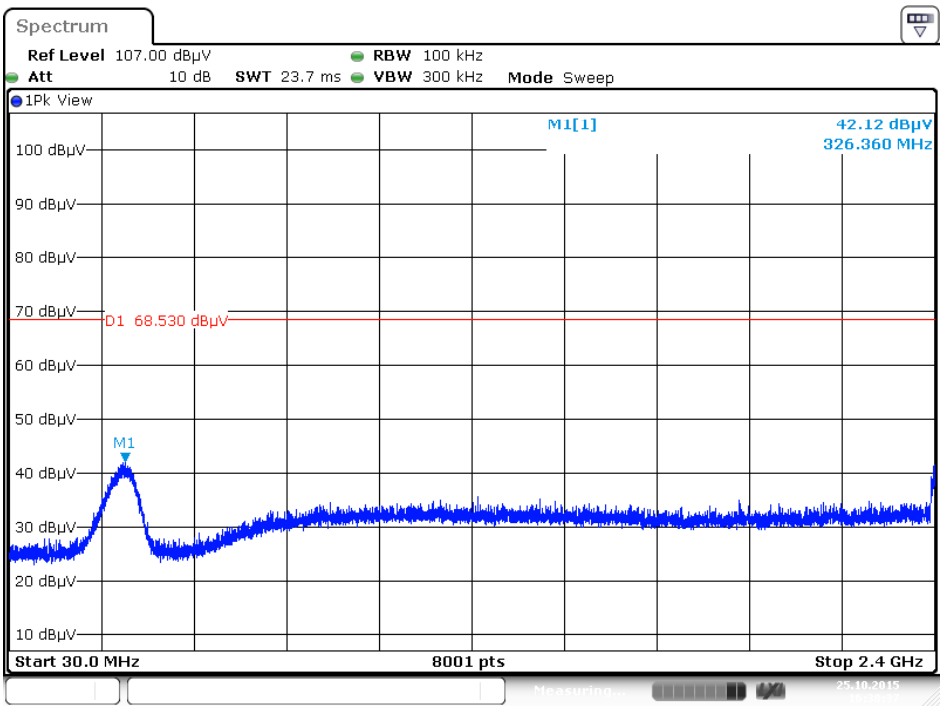


Plot on Configuration IEEE 802.11n MCS0 HT20 / Reference Level



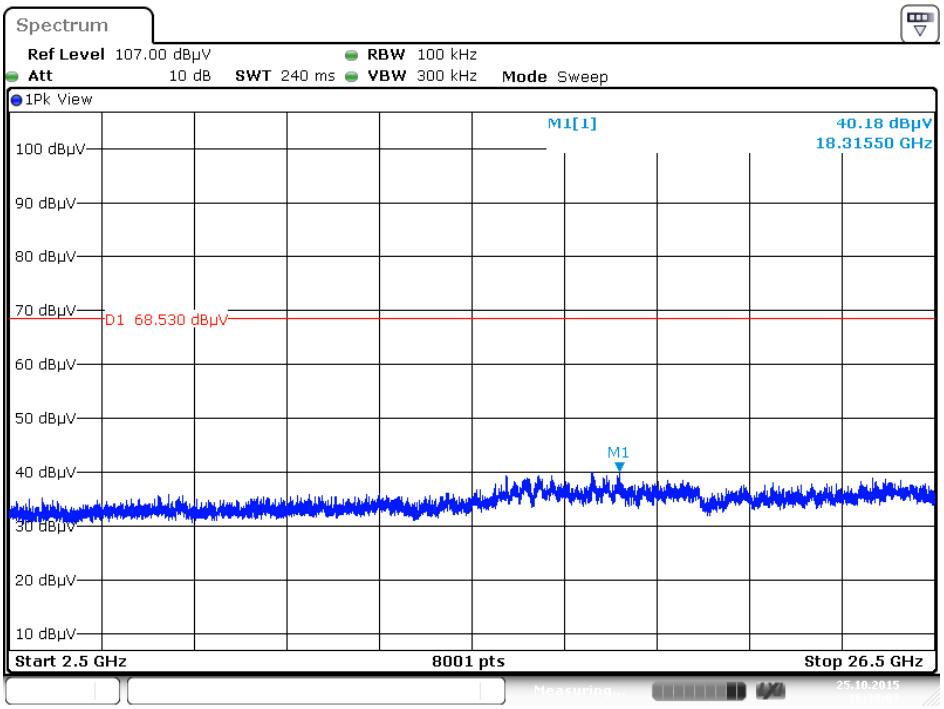
Date: 25.OCT.2015 16:37:36

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



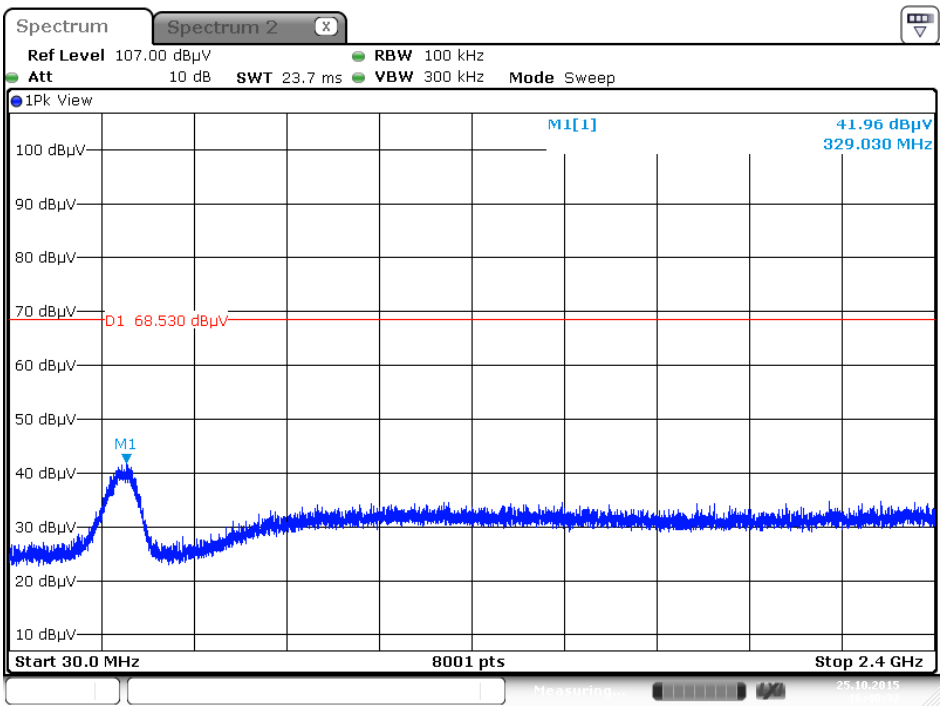
Date: 25.OCT.2015 16:38:37

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



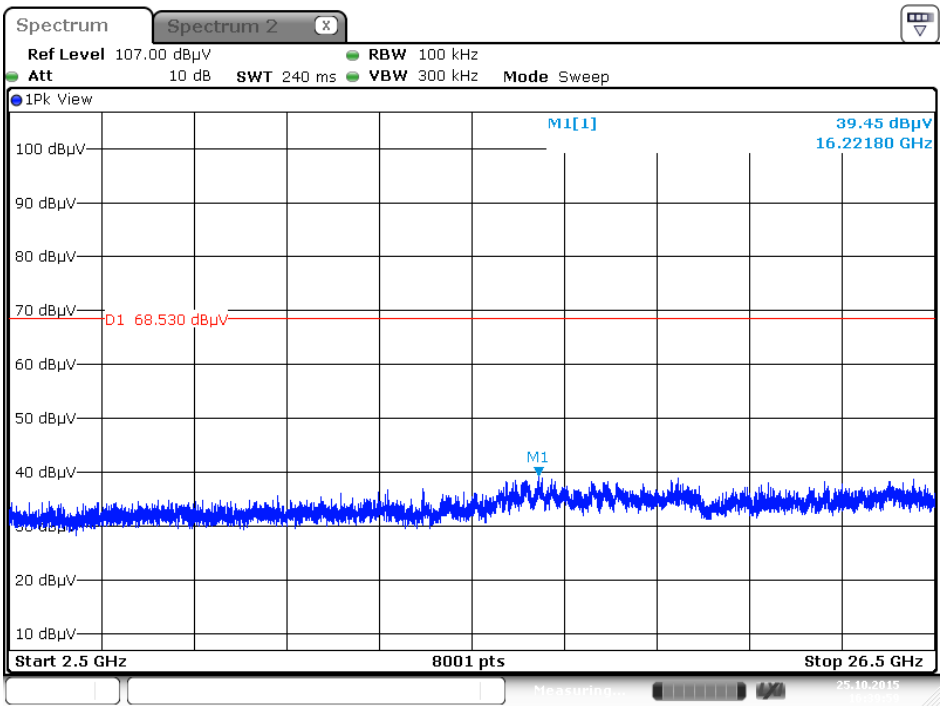
Date: 25.OCT.2015 16:39:04

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

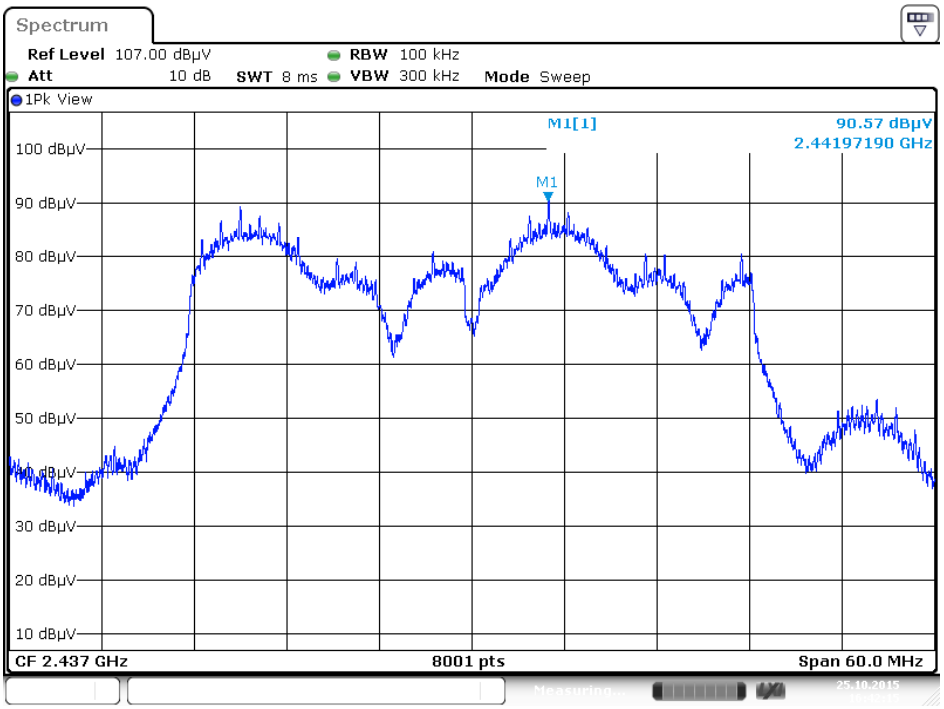


Date: 25.OCT.2015 16:40:32

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

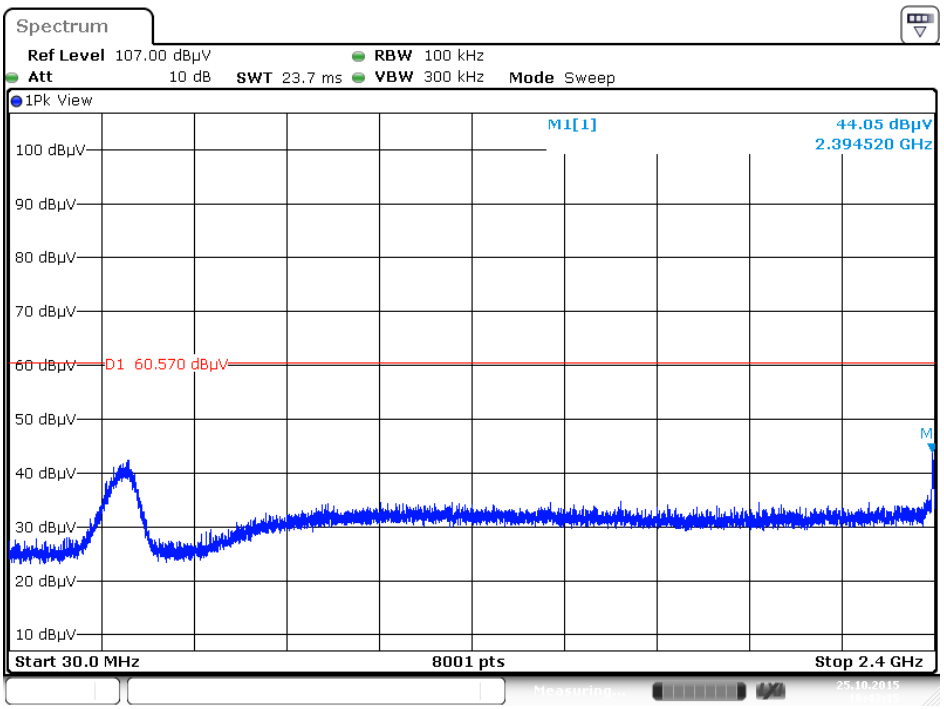


Plot on Configuration IEEE 802.11n MCS0 HT40 / Reference Level



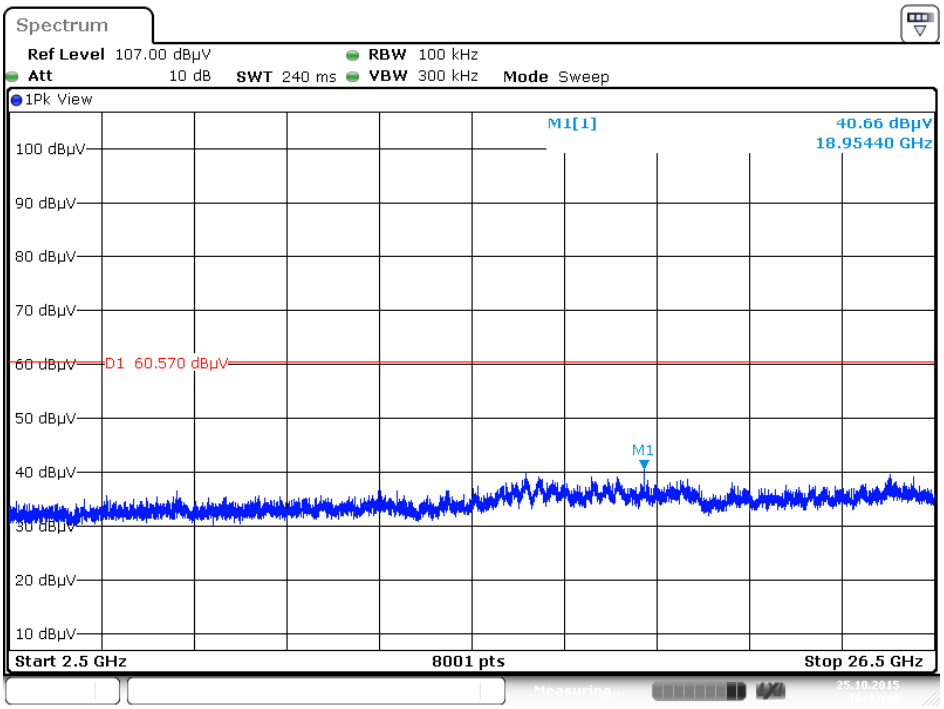
Date: 25.OCT.2015 16:42:15

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



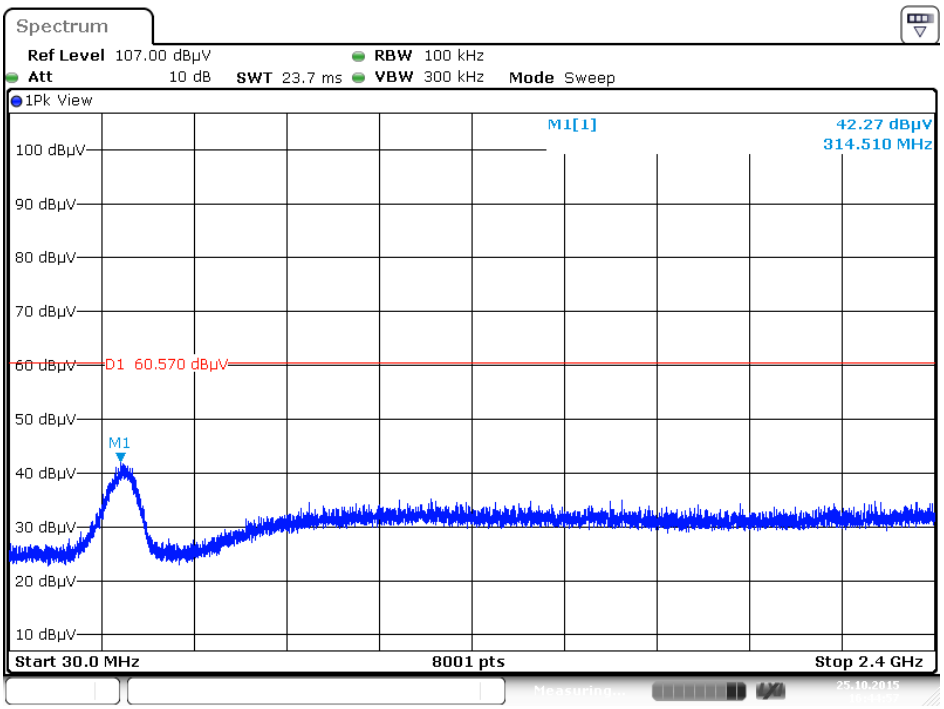
Date: 25.OCT.2015 16:43:15

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



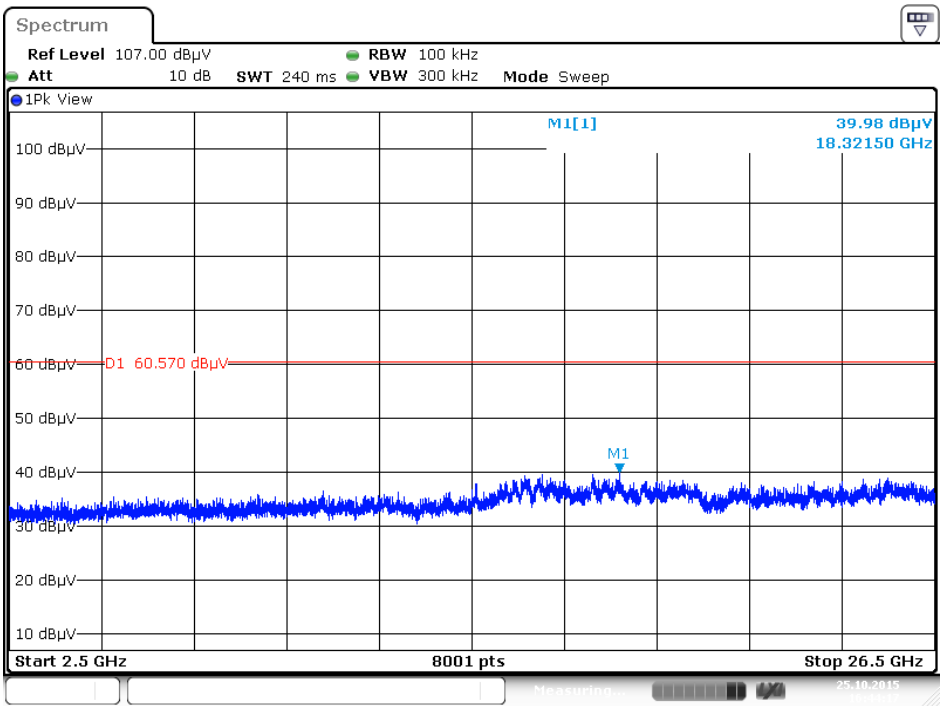
Date: 25.OCT.2015 16:43:40

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



Date: 25.OCT.2015 16:44:57

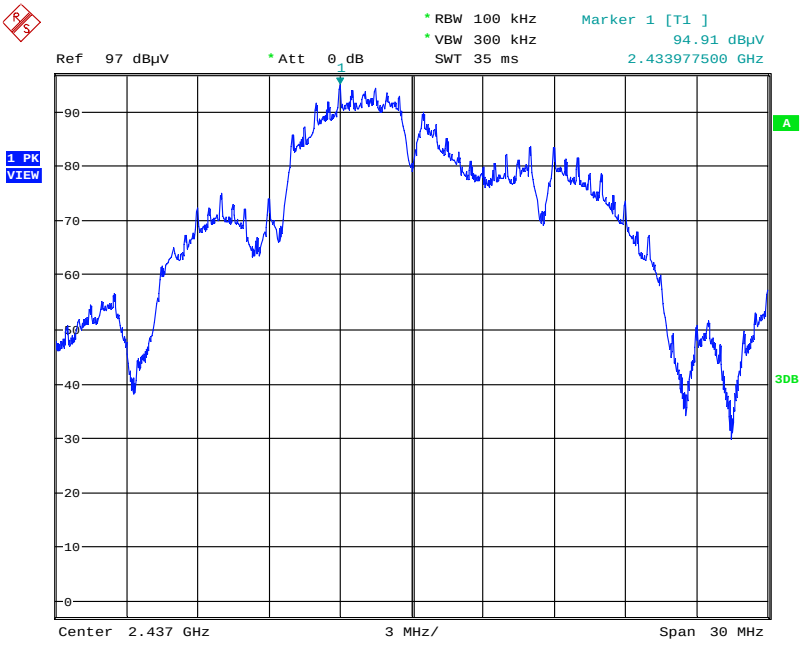
Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 9 / 2500MHz~26500MHz (down 30dBc)



Date: 25.OCT.2015 16:44:17

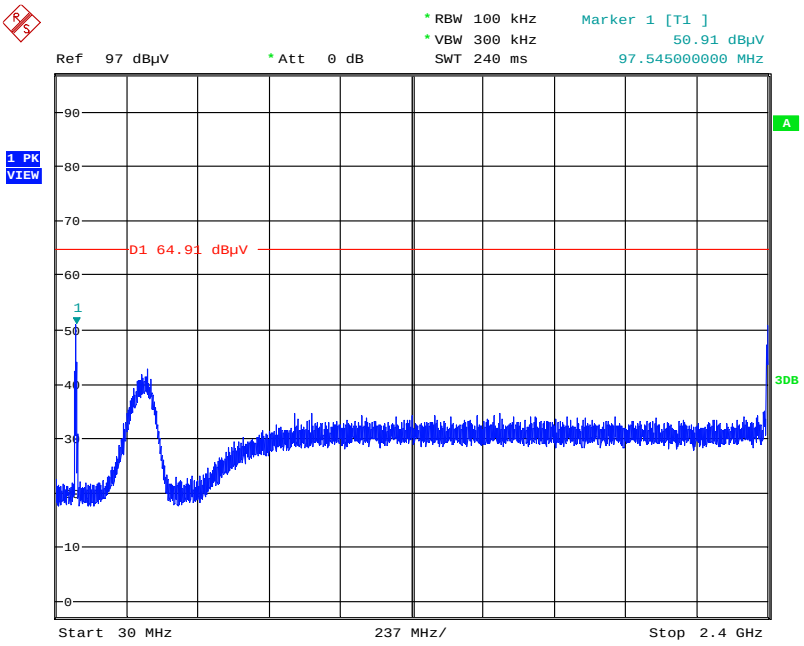
Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi

Plot on Configuration IEEE 802.11b / Reference Level



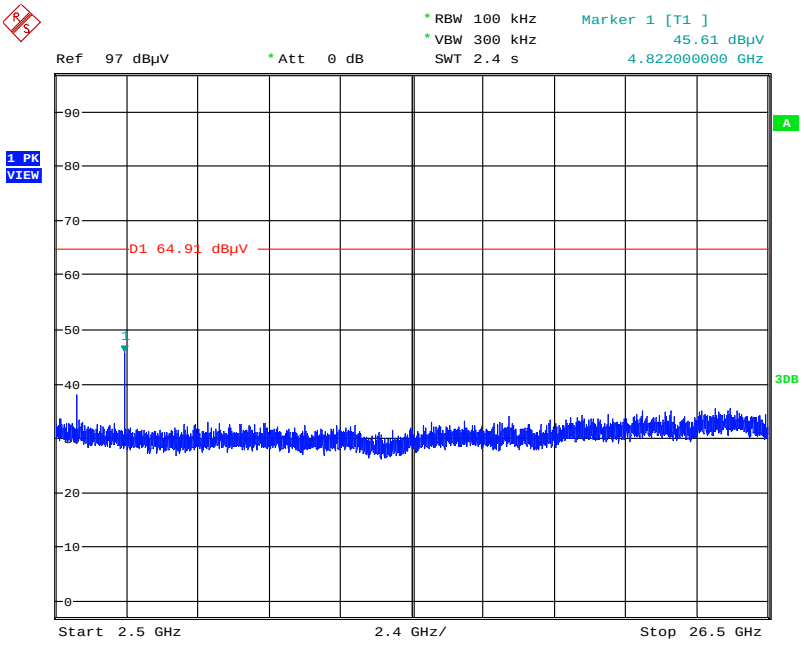
Date: 28.OCT.2015 22:20:39

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



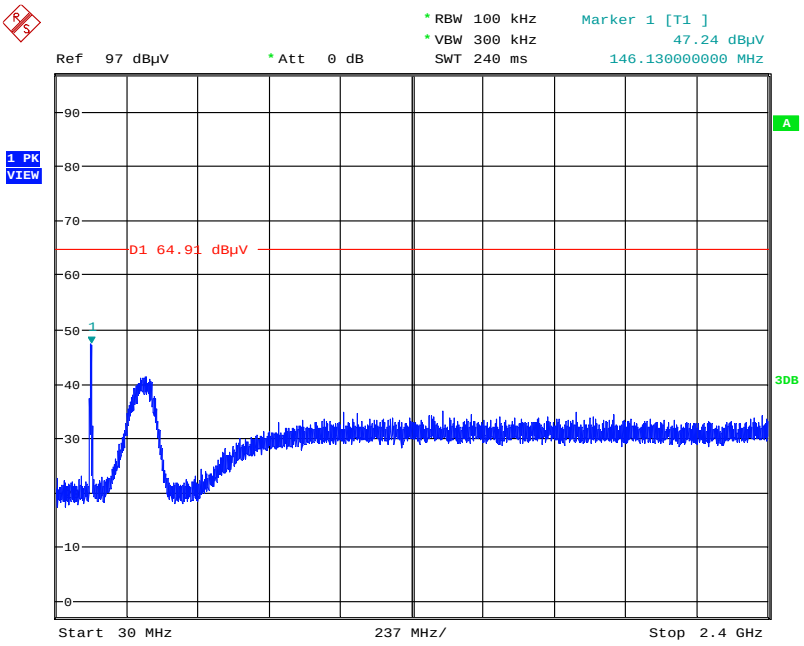
Date: 28.OCT.2015 22:22:37

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



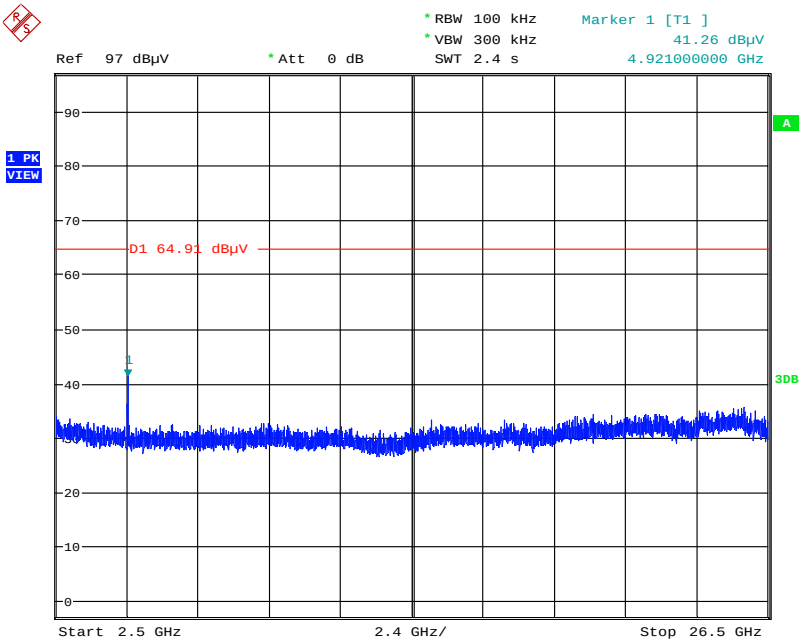
Date: 28.OCT.2015 22:23:35

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



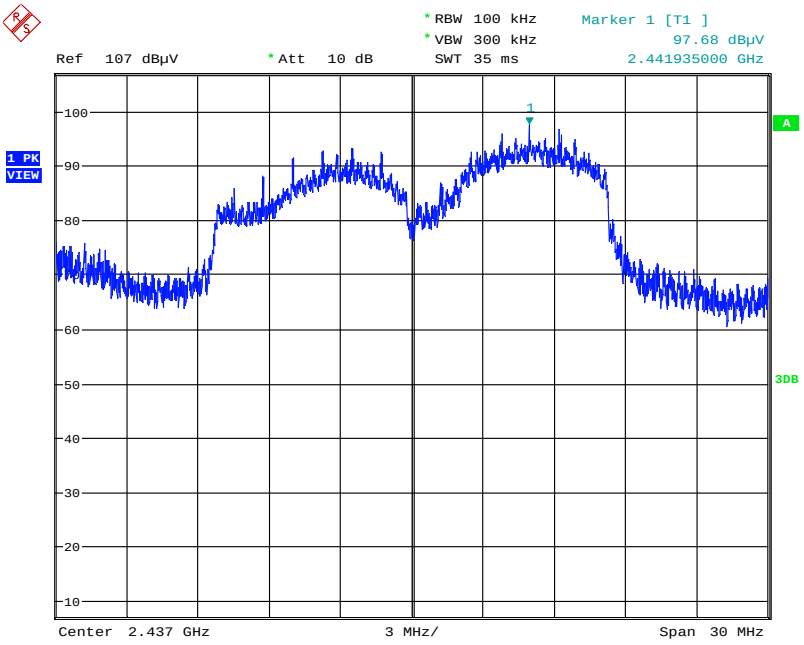
Date: 28.OCT.2015 22:24:47

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



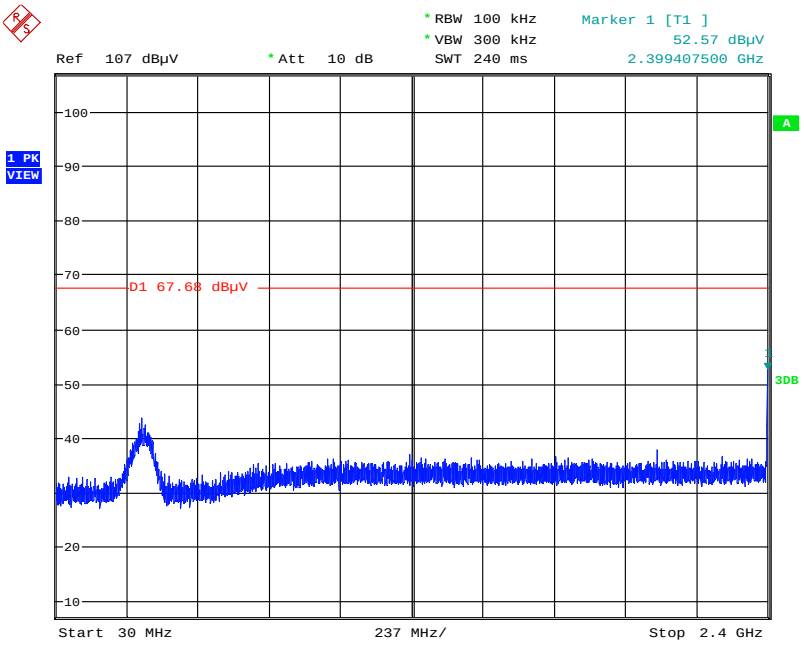
Date: 28.OCT.2015 22:24:21

Plot on Configuration IEEE 802.11g / Reference Level



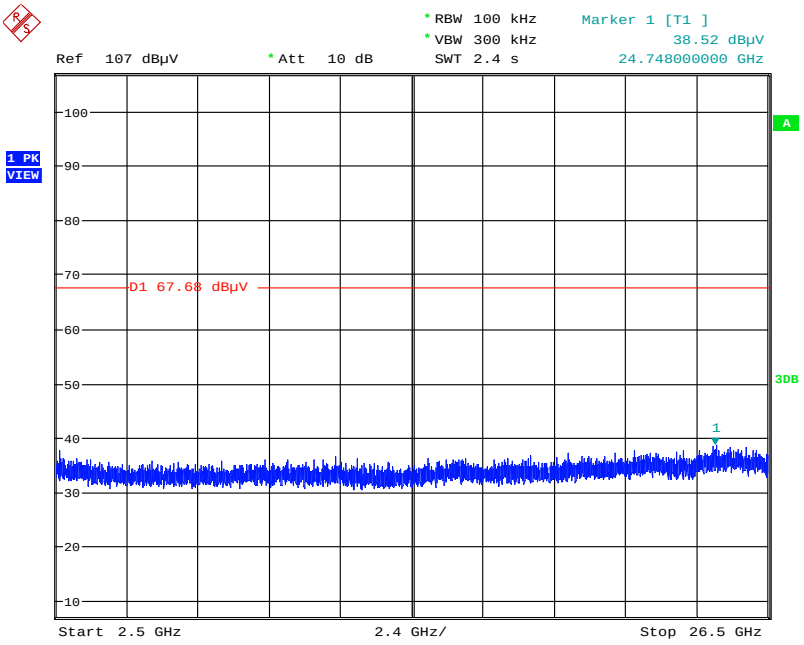
Date: 28.OCT.2015 22:56:27

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



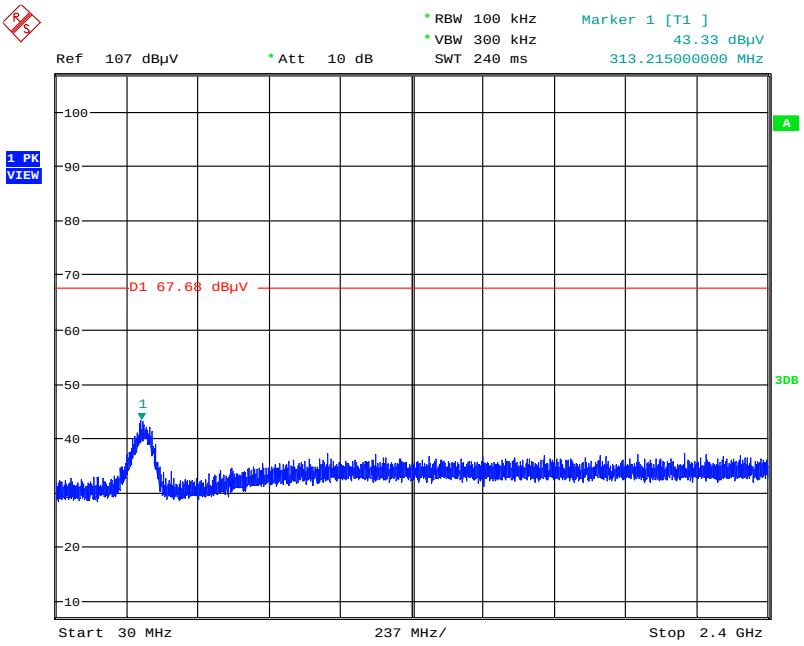
Date: 28.OCT.2015 22:57:50

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



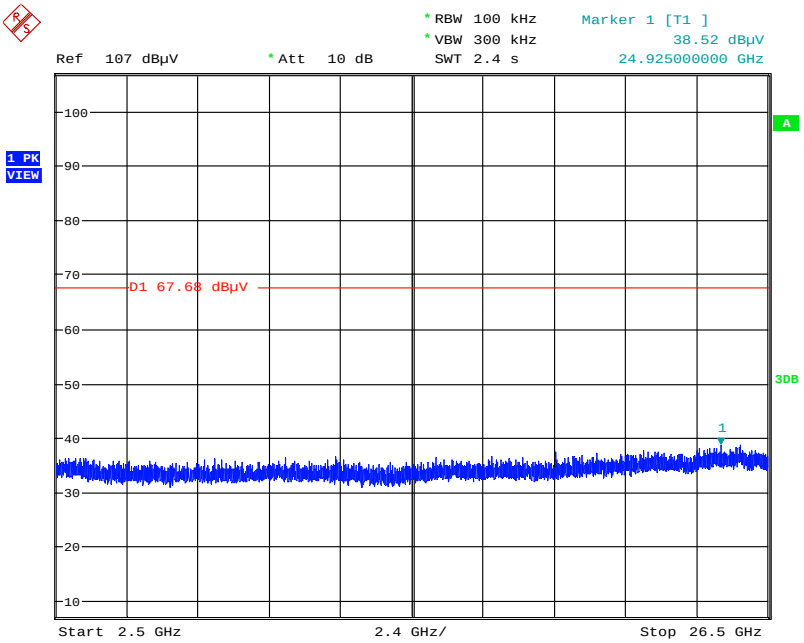
Date: 28.OCT.2015 22:58:25

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

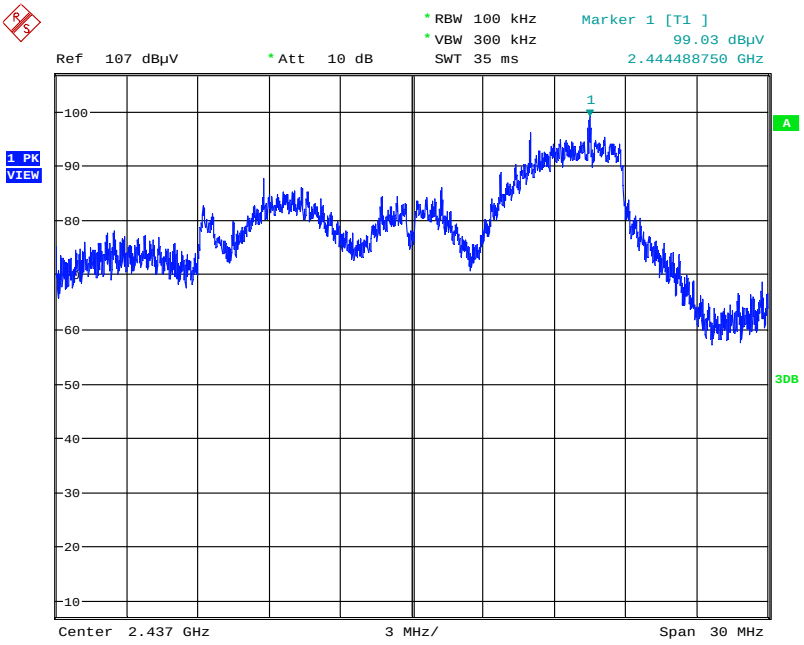


Date: 28.OCT.2015 22:59:45

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

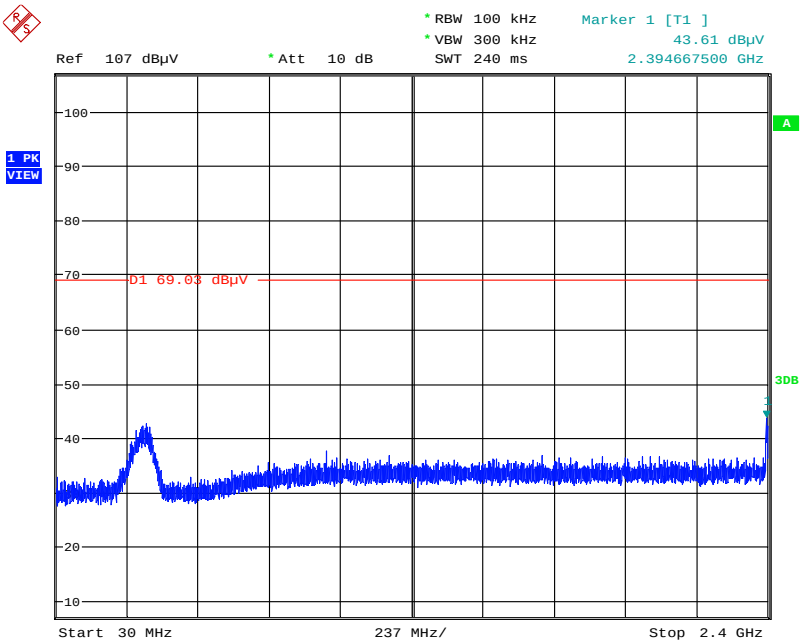


Plot on Configuration IEEE 802.11n MCS0 HT20 / Reference Level



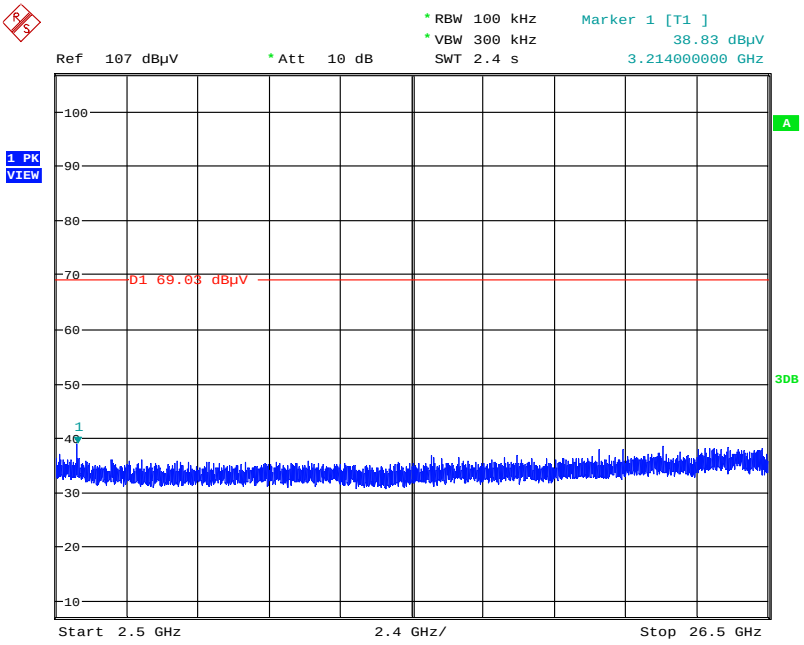
Date: 28.OCT.2015 23:01:44

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



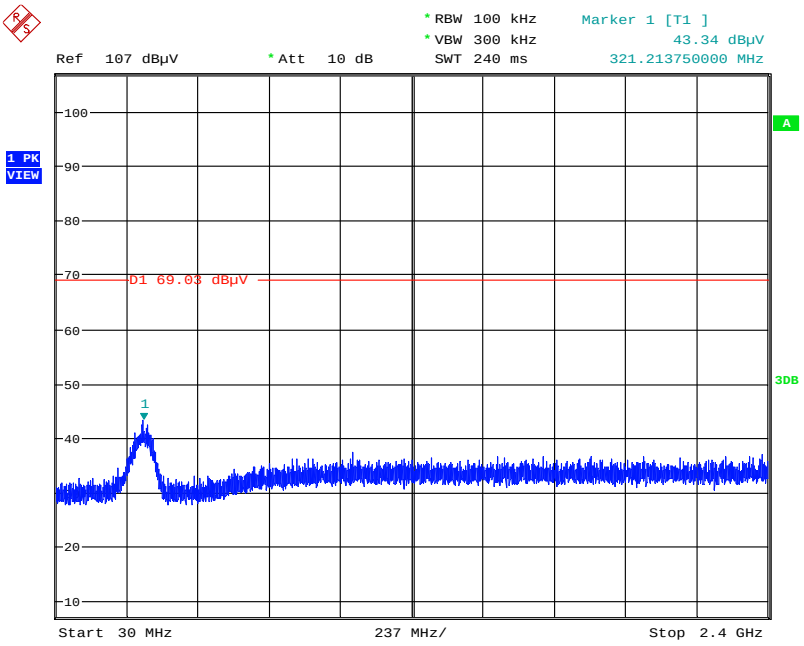
Date: 28.OCT.2015 23:02:56

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



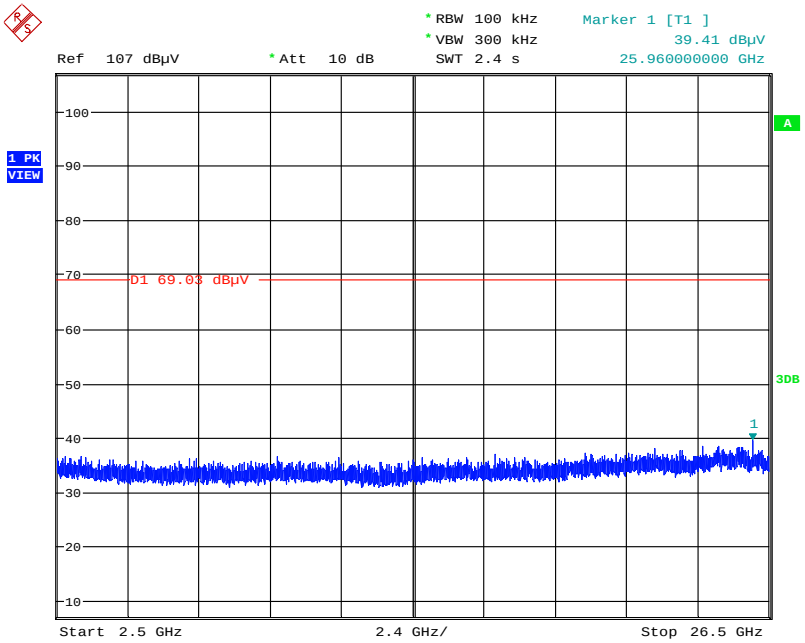
Date: 28.OCT.2015 23:03:29

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



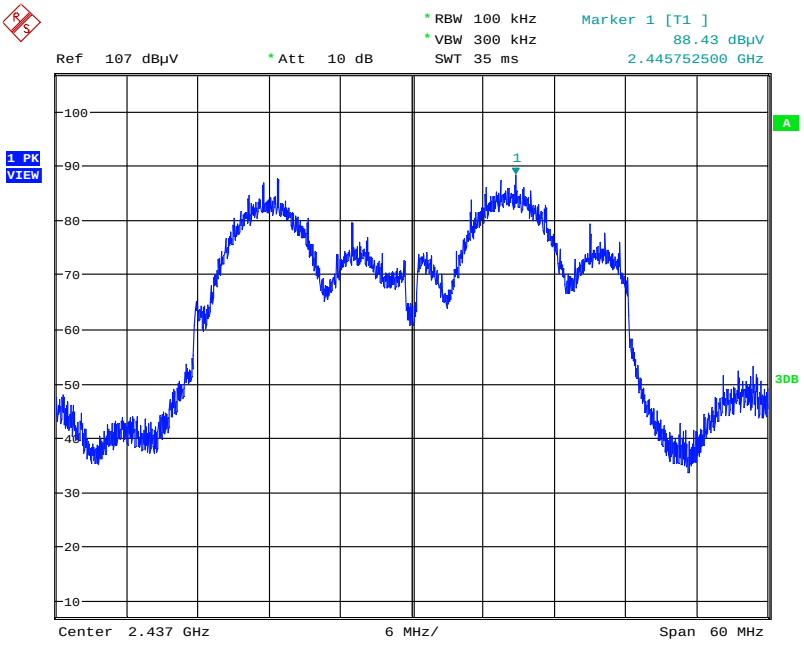
Date: 28.OCT.2015 23:04:41

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



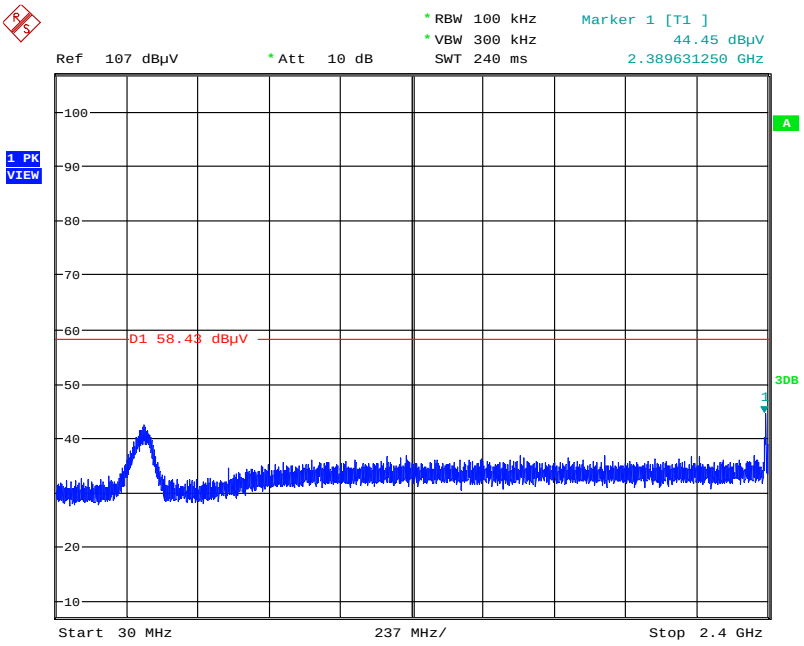
Date: 28.OCT.2015 23:04:16

Plot on Configuration IEEE 802.11n MCS0 HT40 / Reference Level



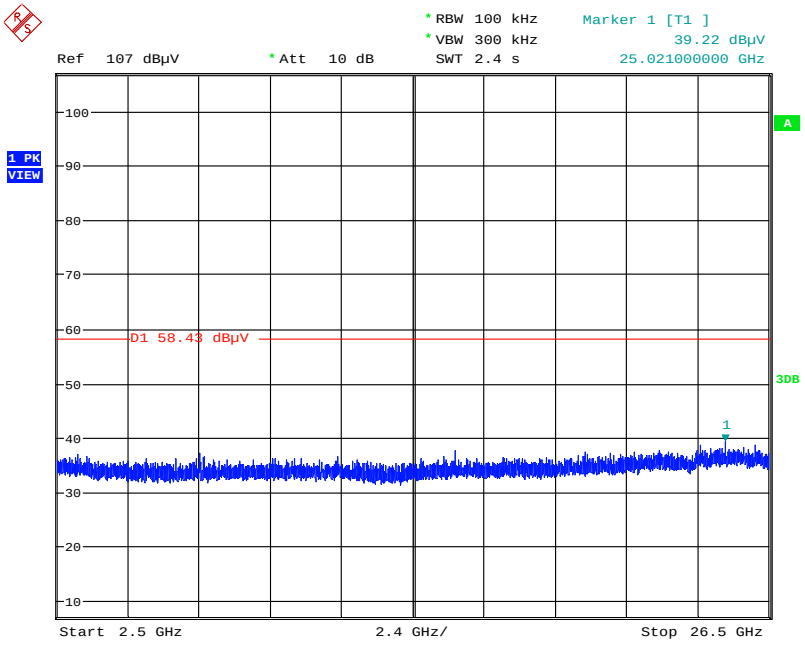
Date: 28.OCT.2015 23:06:03

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



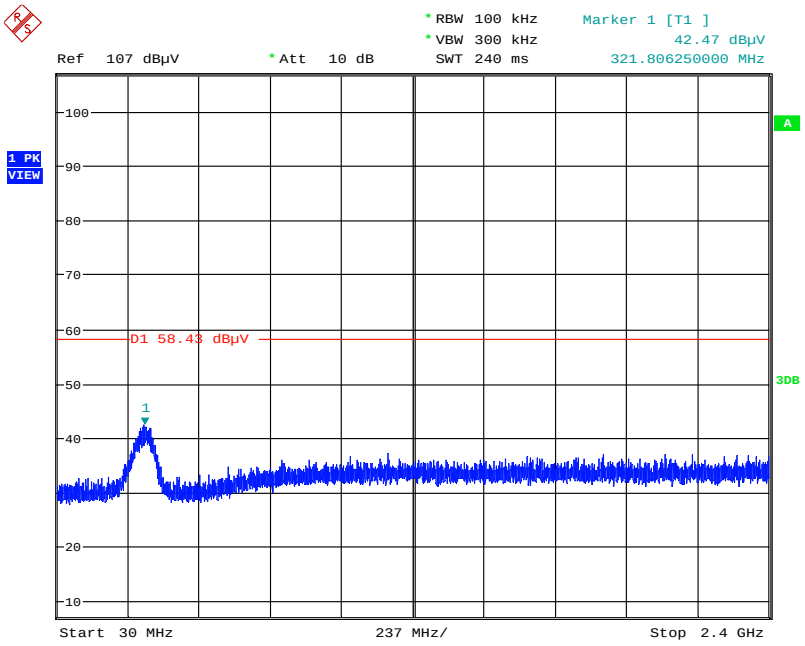
Date: 28.OCT.2015 23:06:58

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



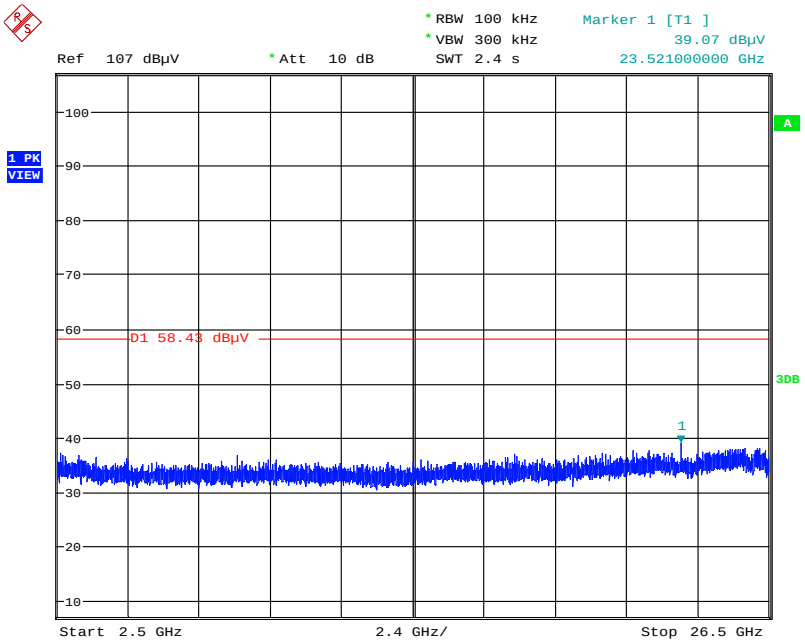
Date: 28.OCT.2015 23:07:52

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



Date: 28.OCT.2015 23:08:58

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

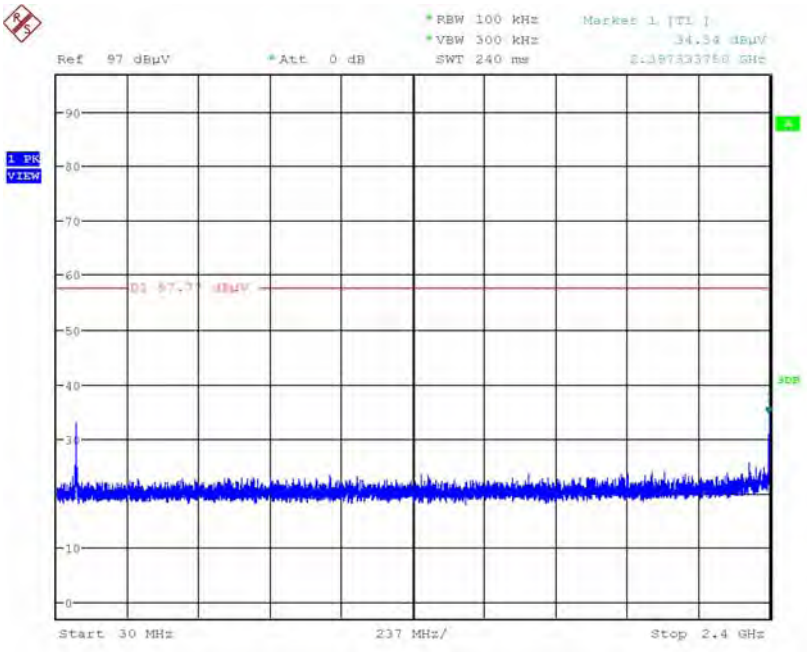


Mode 4: EUT 1 + Set 4 Sector Antenna / 10.5 dBi

Plot on Configuration IEEE 802.11b / Reference Level

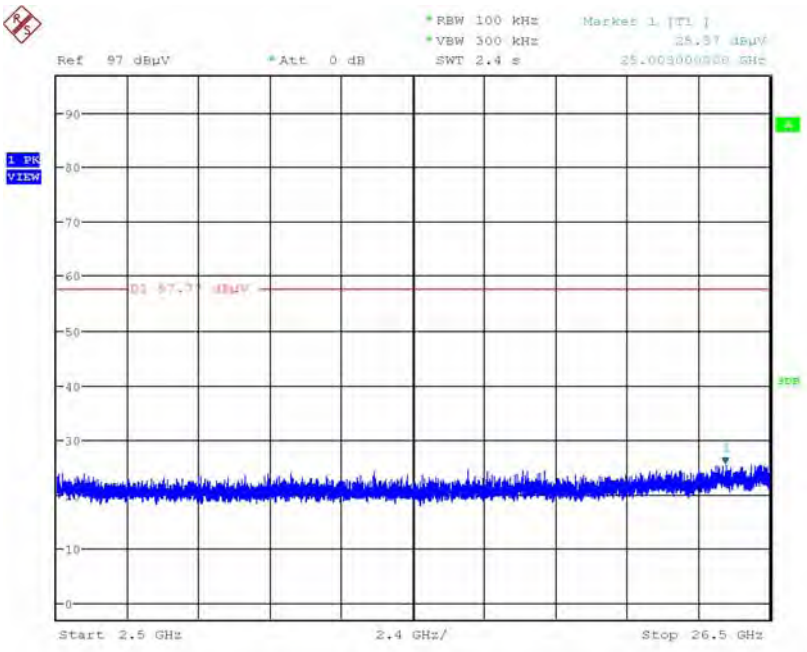
Date: 30.OCT.2015 23:17:39

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



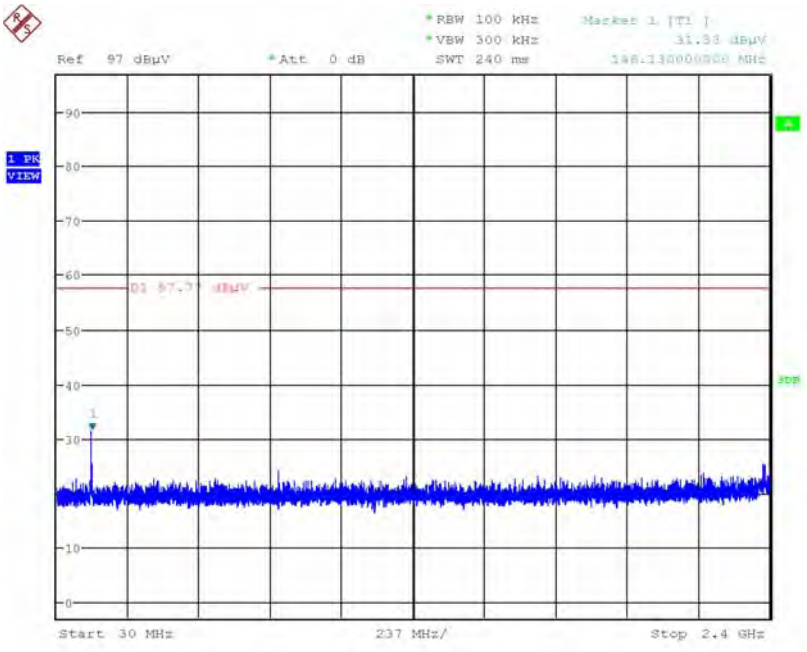
Date: 30.OCT.2015 23:19:28

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



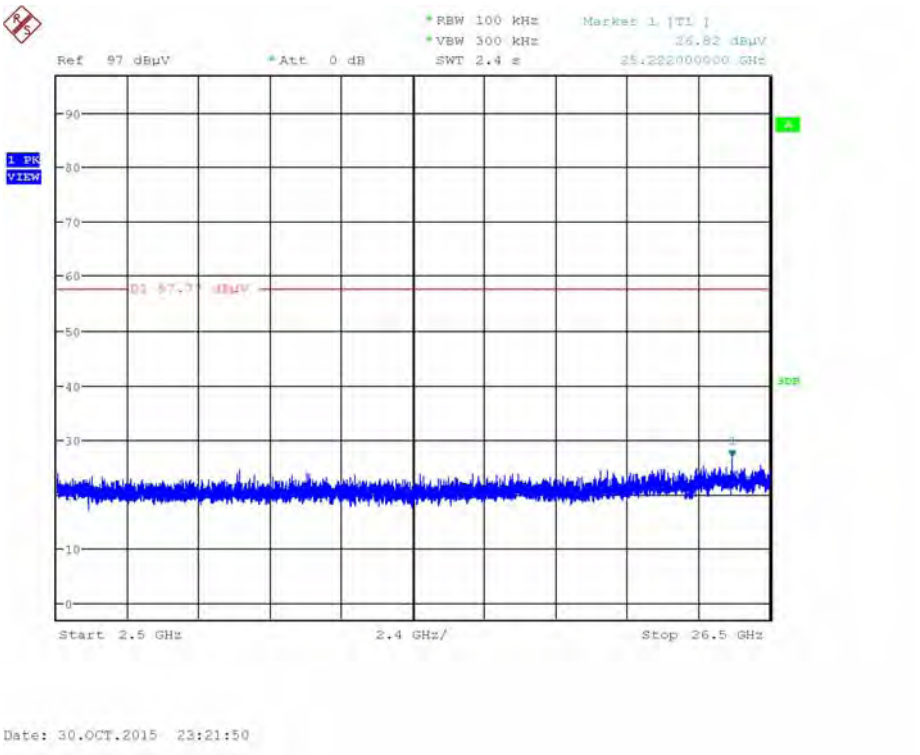
Date: 30.OCT.2015 23:20:11

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

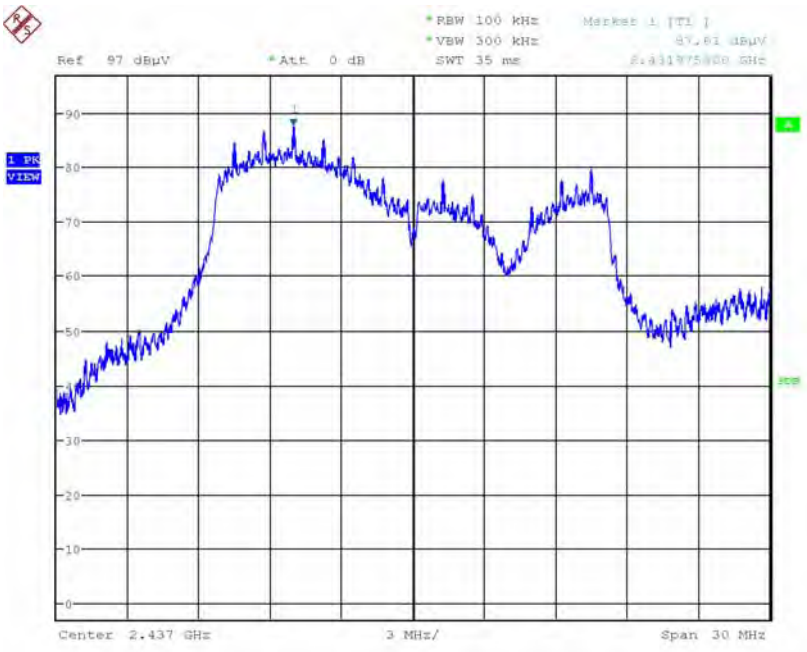


Date: 30.OCT.2015 23:21:06

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

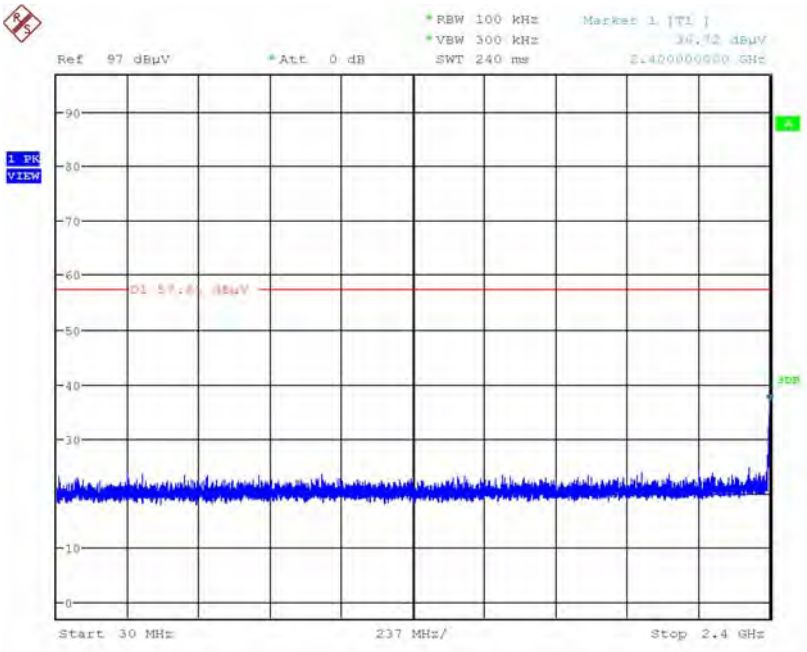


Plot on Configuration IEEE 802.11g / Reference Level



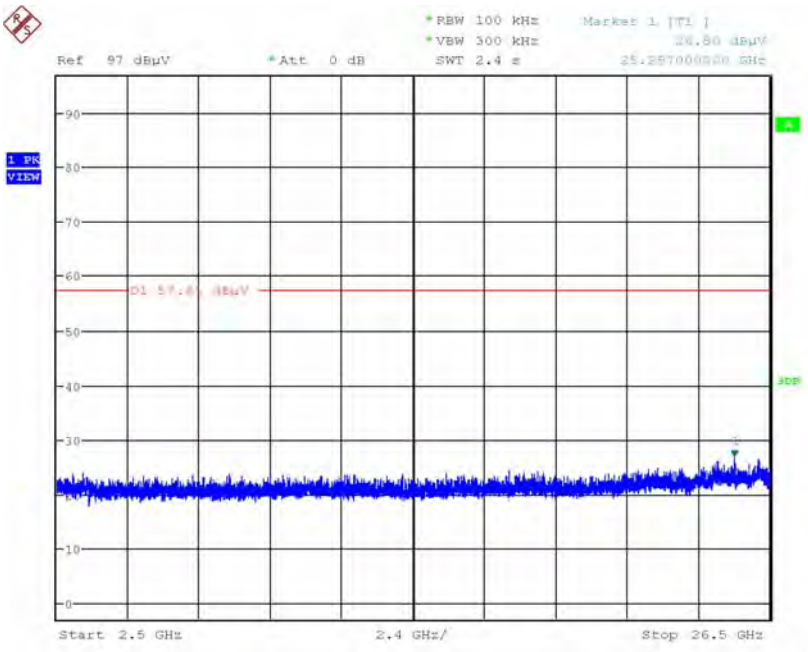
Date: 30.OCT.2015 23:25:50

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



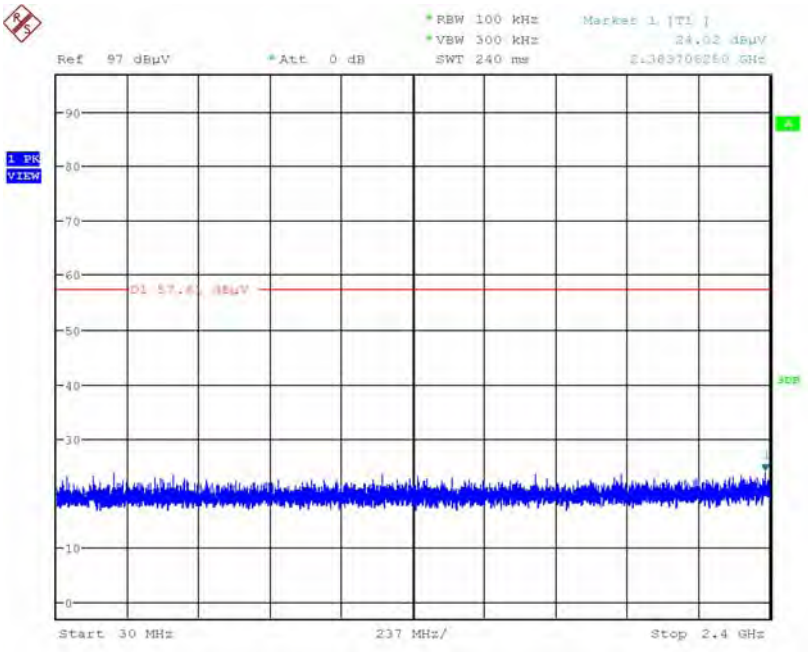
Date: 30.OCT.2015 23:27:04

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



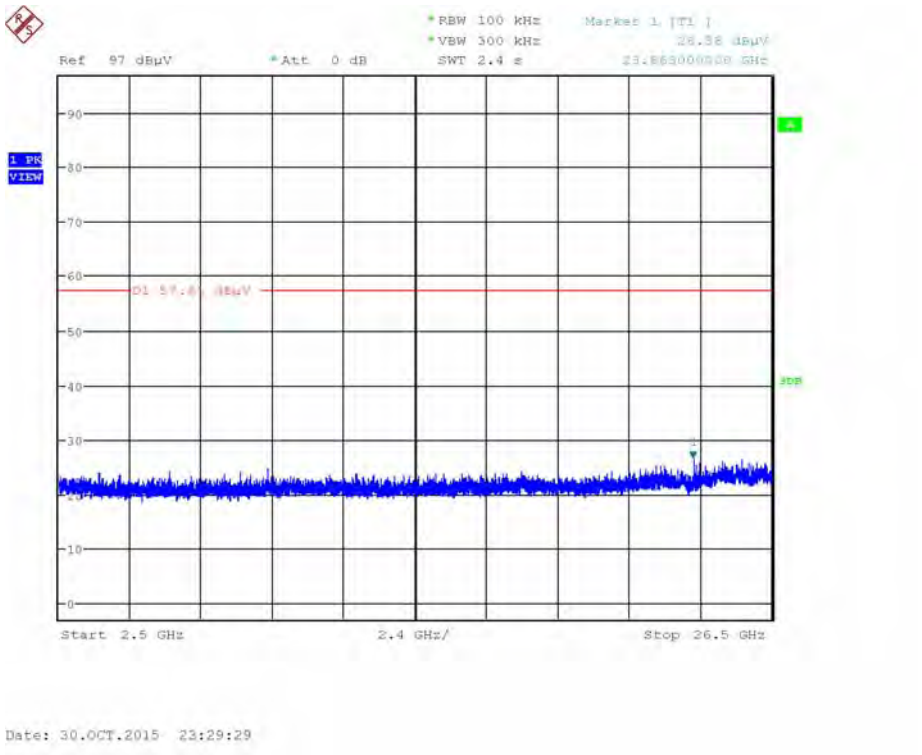
Date: 30.OCT.2015 23:27:44

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

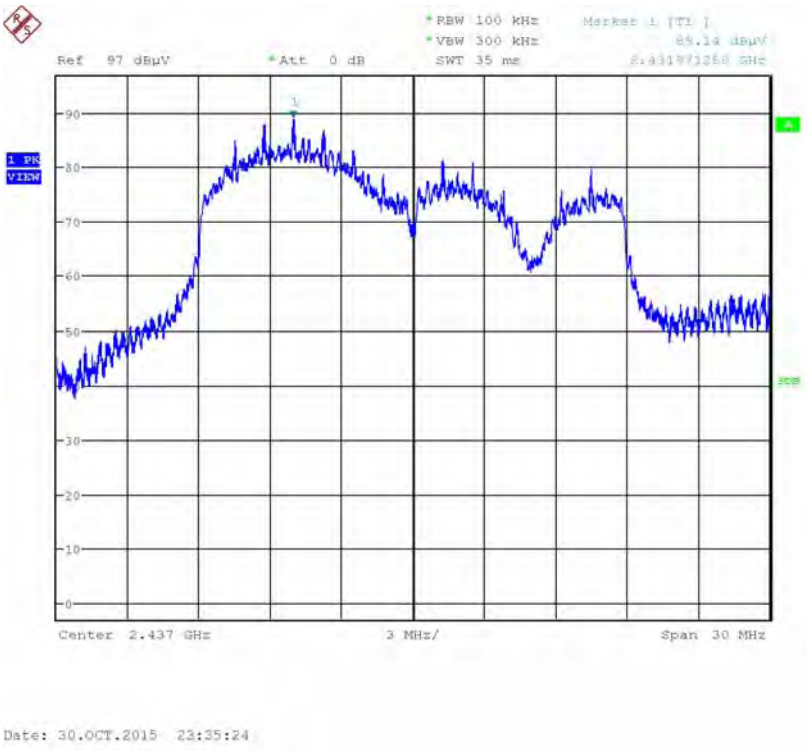


Date: 30.OCT.2015 23:28:44

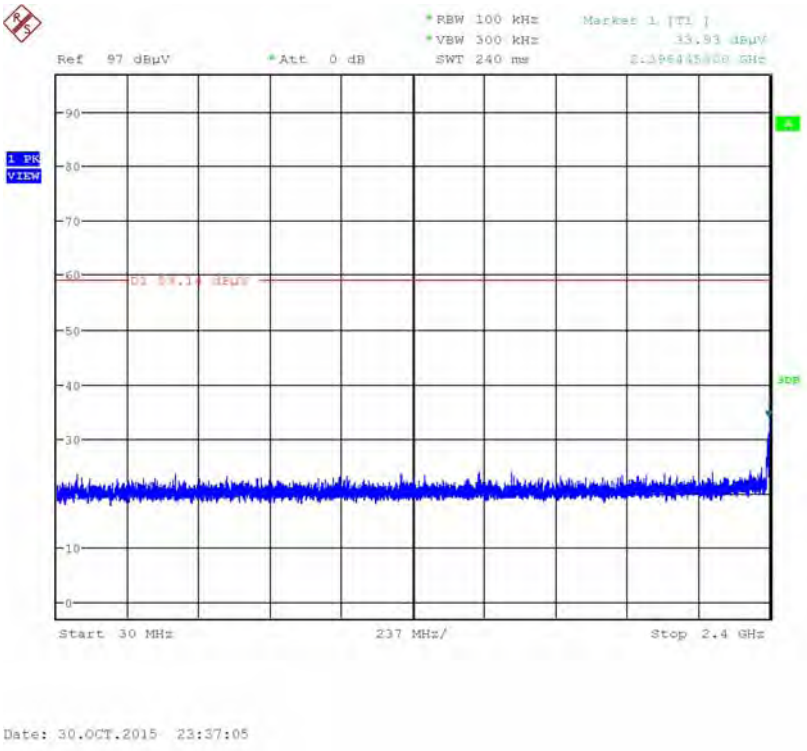
Plot on Configuration IEEE 802.11g / CH 11 / 2500MHz~26500MHz (down 30dBc)



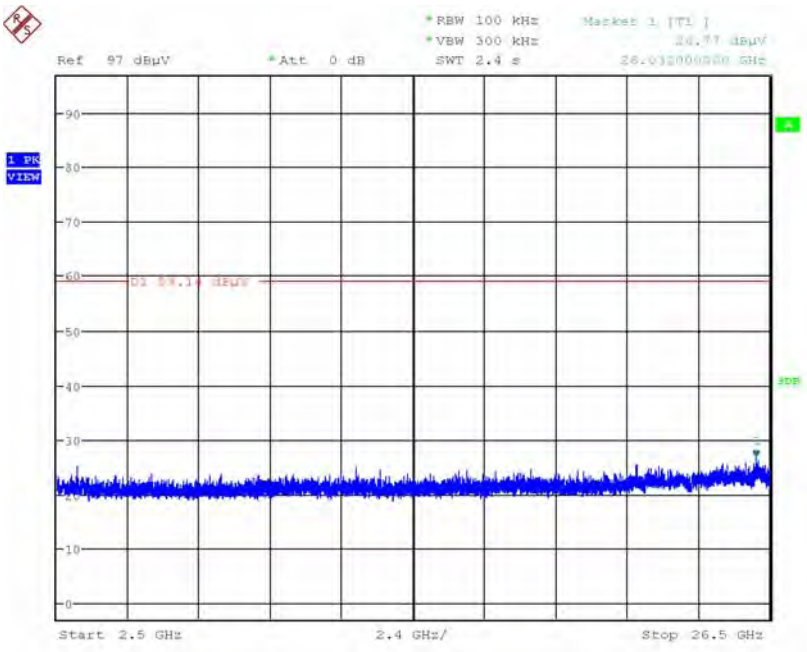
Plot on Configuration IEEE 802.11n MCS0 HT20 / Reference Level



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

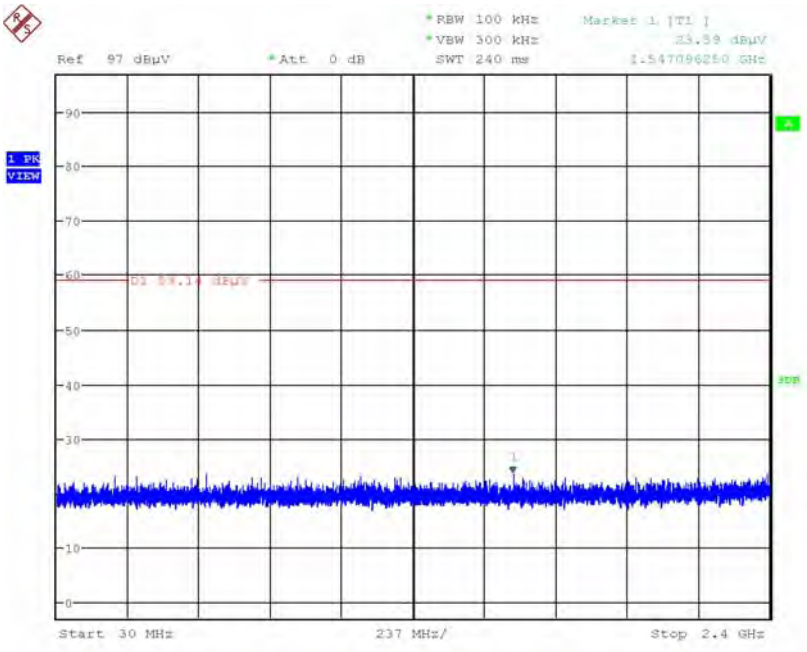


Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 1 / 2500MHz~26500MHz (down 30dBc)



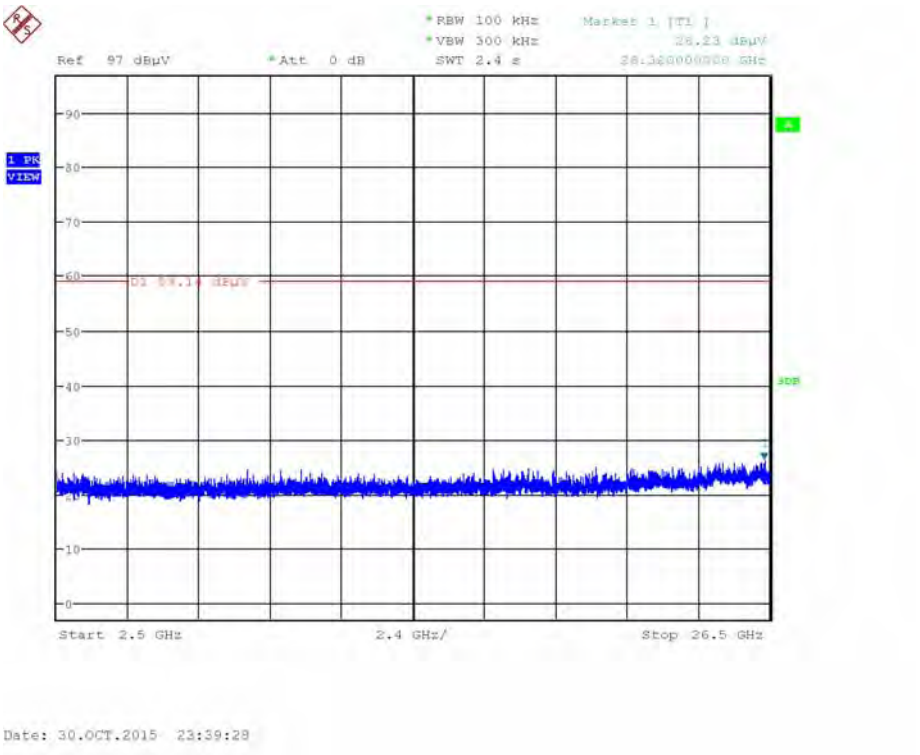
Date: 30.OCT.2015 23:37:57

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

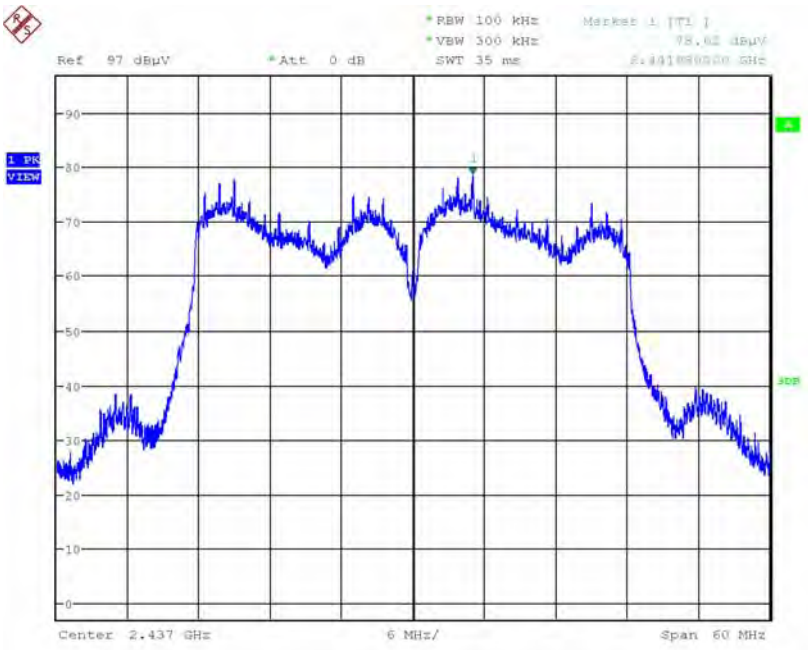


Date: 30.OCT.2015 23:38:45

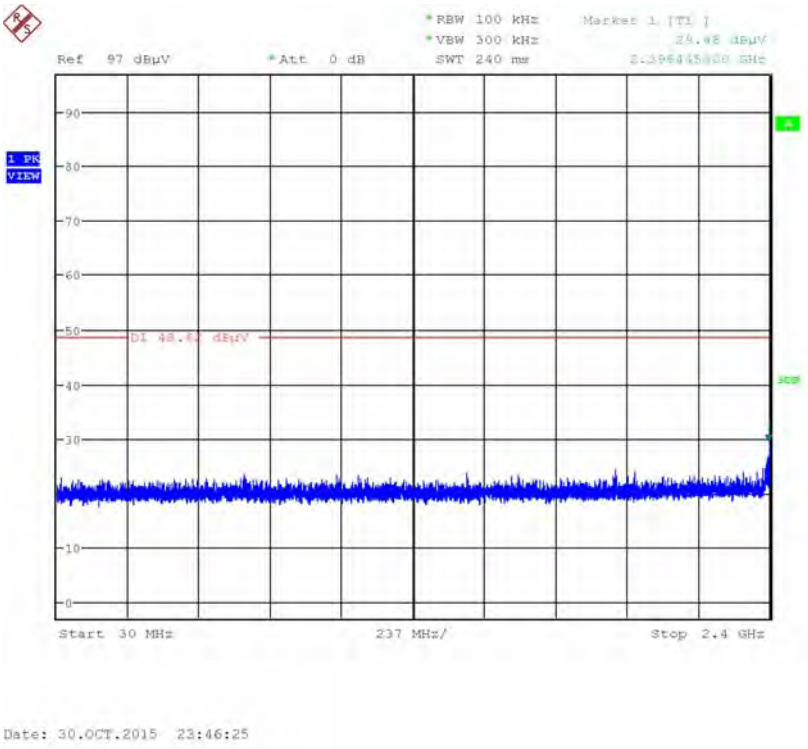
Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 11 / 2500MHz~26500MHz (down 30dBc)



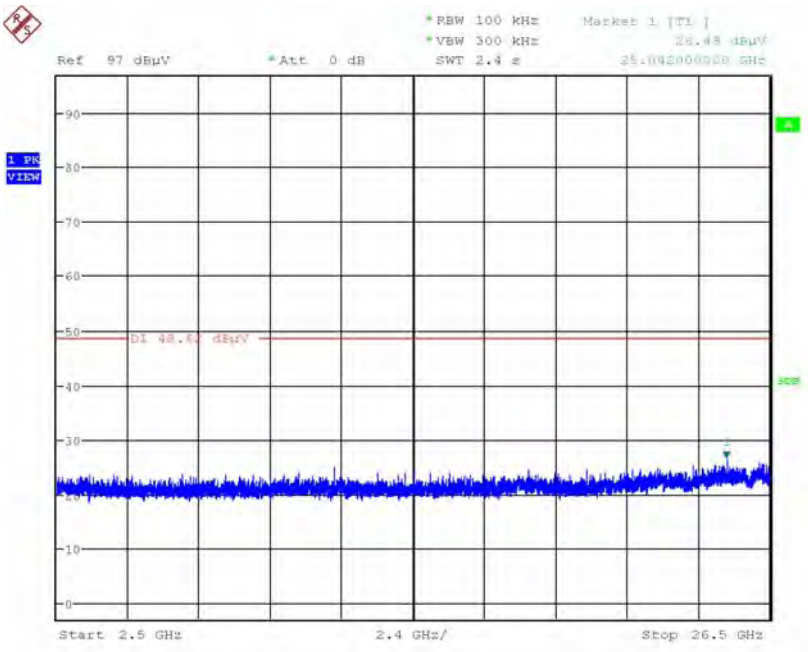
Plot on Configuration IEEE 802.11n MCS0 HT40 / Reference Level



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

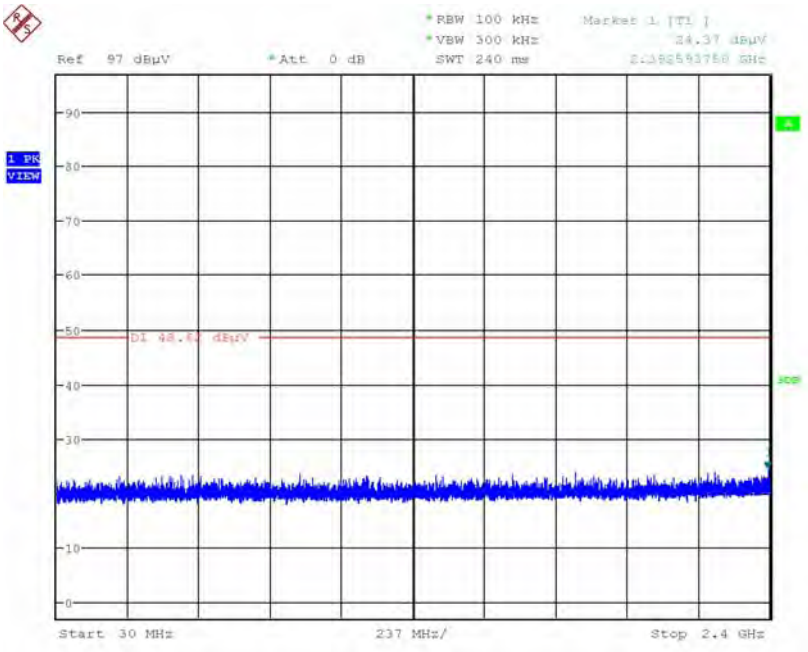


Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 3 / 2500MHz~26500MHz (down 30dBc)



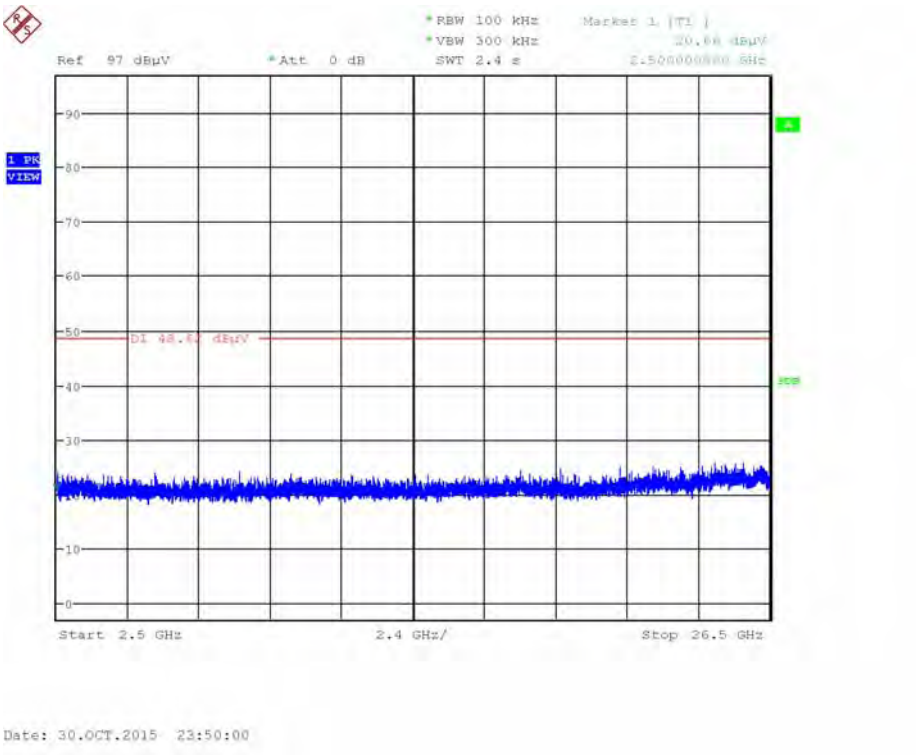
Date: 30.OCT.2015 23:47:17

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



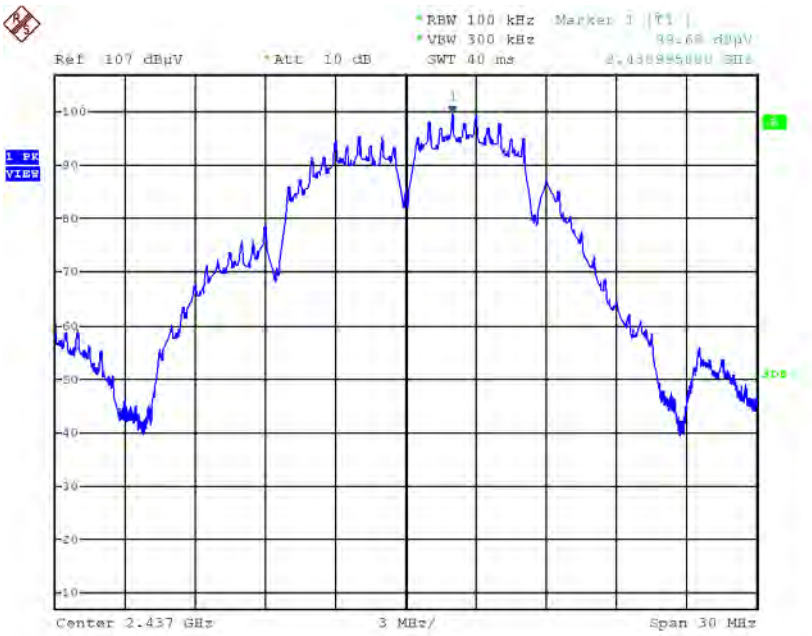
Date: 30.OCT.2015 23:48:36

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



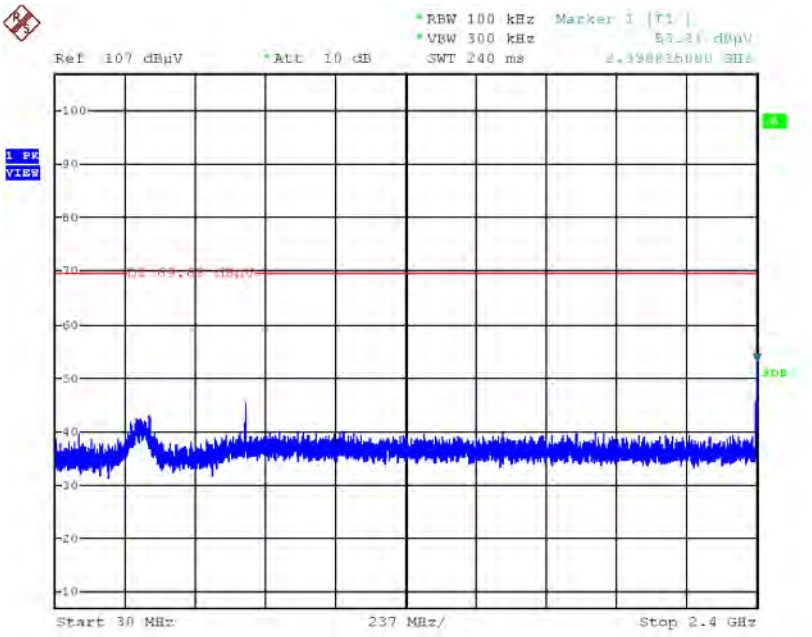
Mode 5: EUT 1 + Set 7 Sector Antenna / 5 dBi

Plot on Configuration IEEE 802.11b / Reference Level



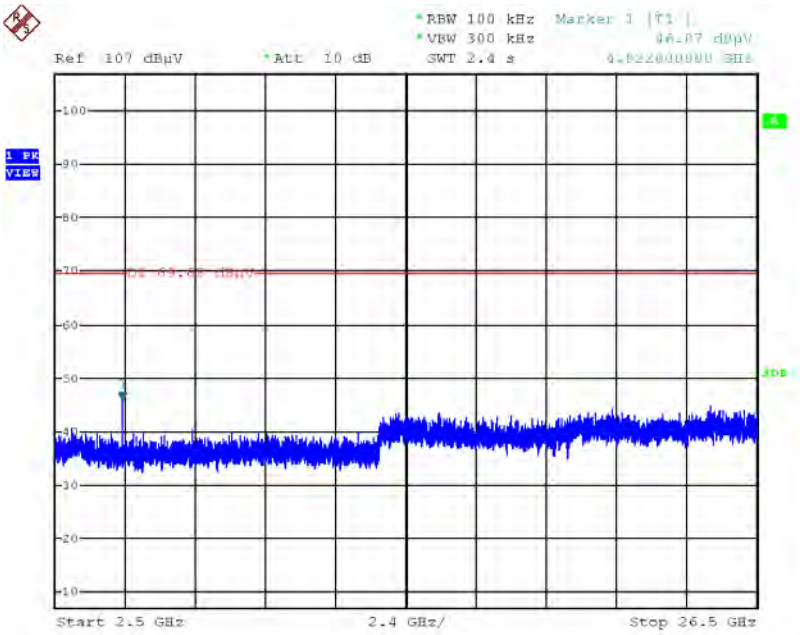
Date: 22.OCT.2015 14:26:33

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



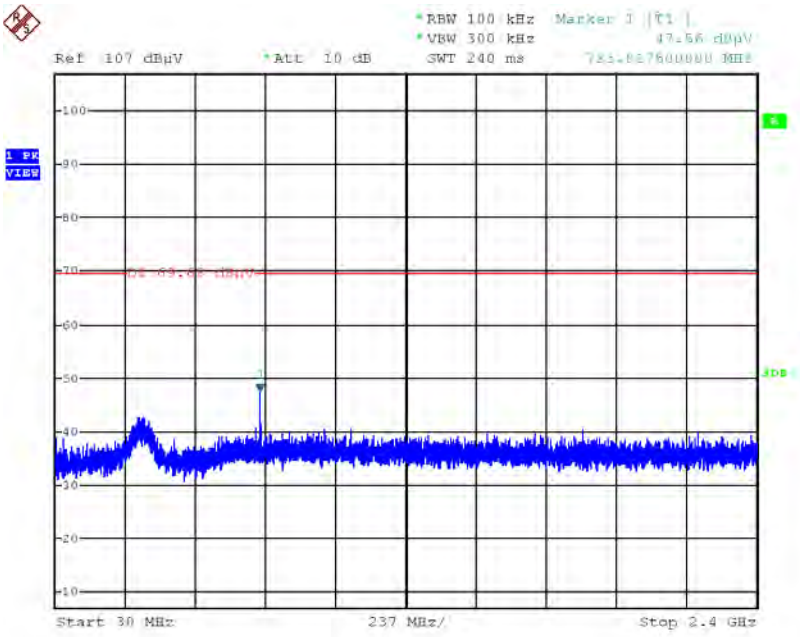
Date: 22.OCT.2015 14:27:40

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



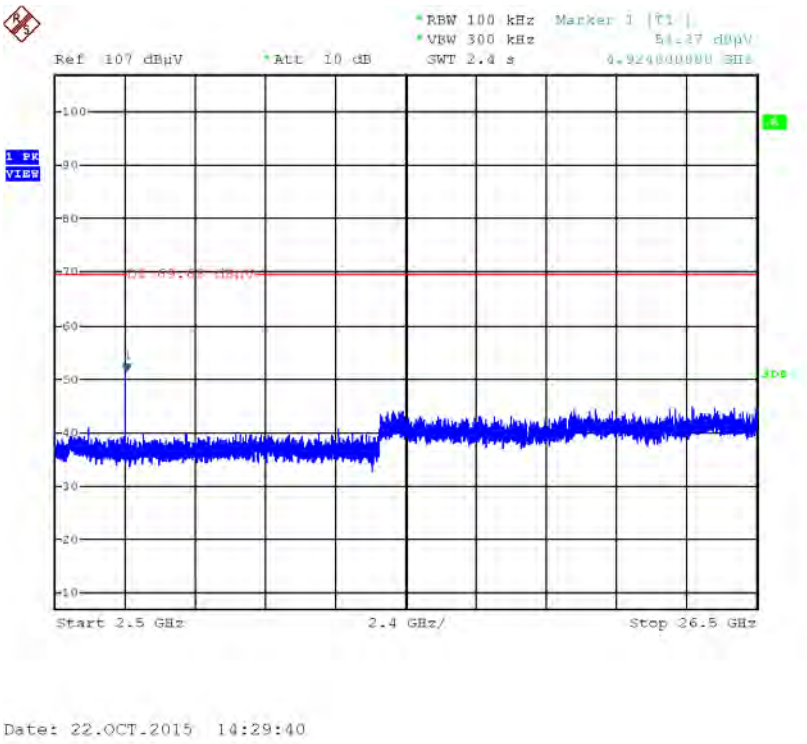
Date: 22.OCT.2015 14:28:26

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

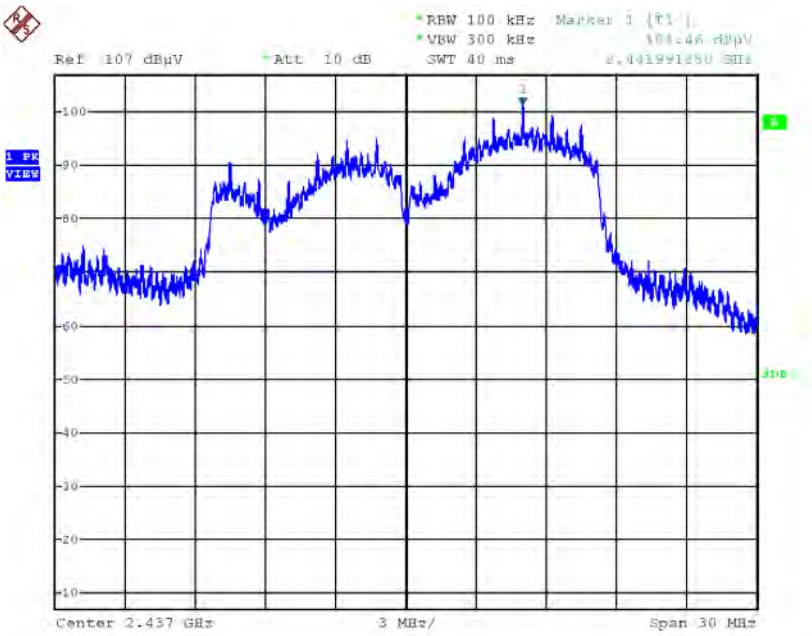


Date: 22.OCT.2015 14:29:09

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

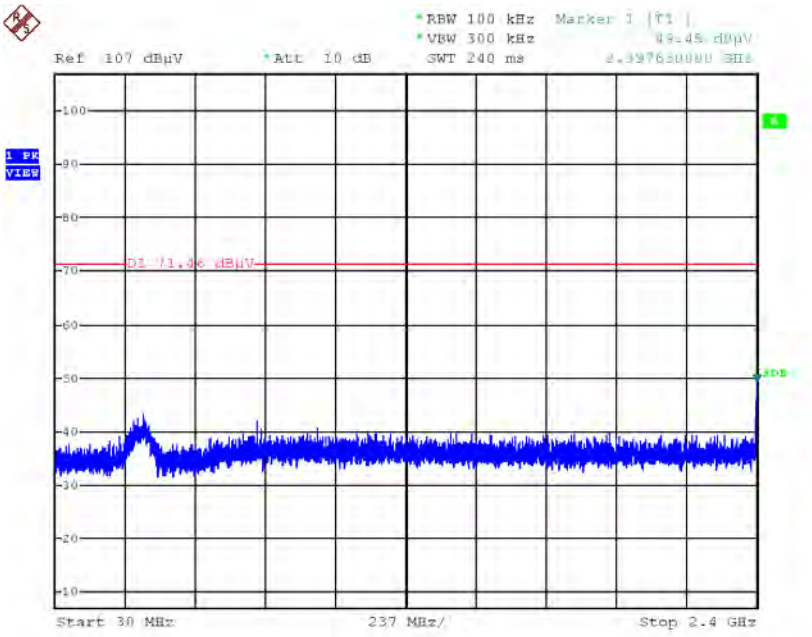


Plot on Configuration IEEE 802.11g / Reference Level



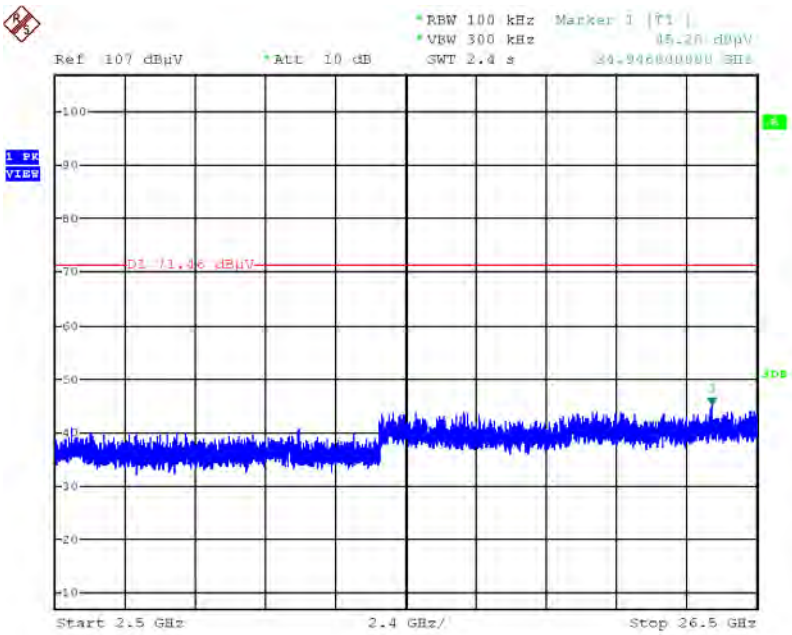
Date: 22.OCT.2015 14:31:55

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



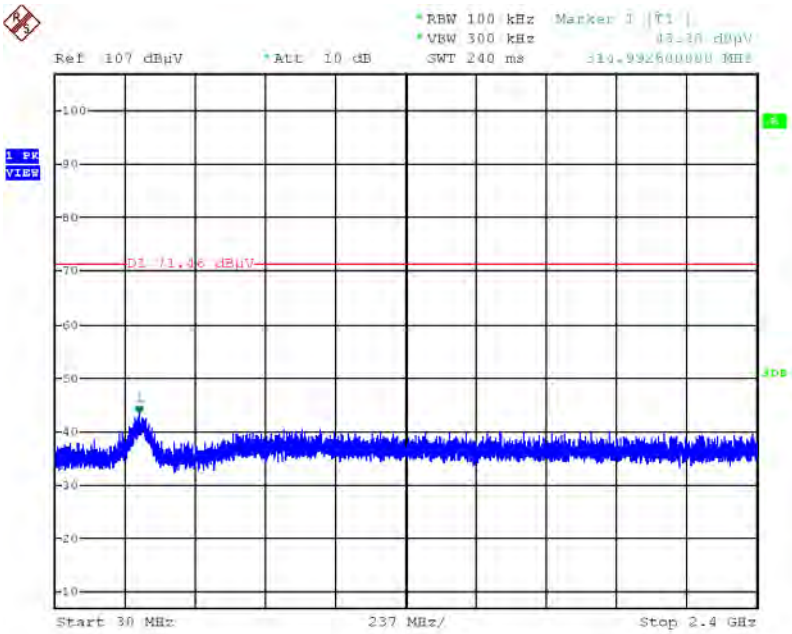
Date: 22.OCT.2015 14:32:51

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



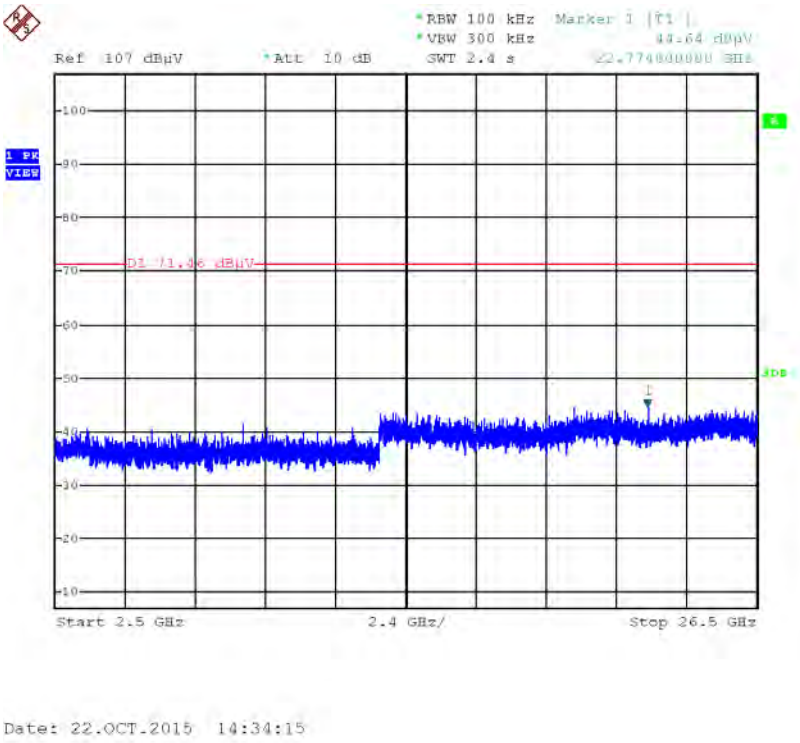
Date: 22.OCT.2015 14:33:17

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

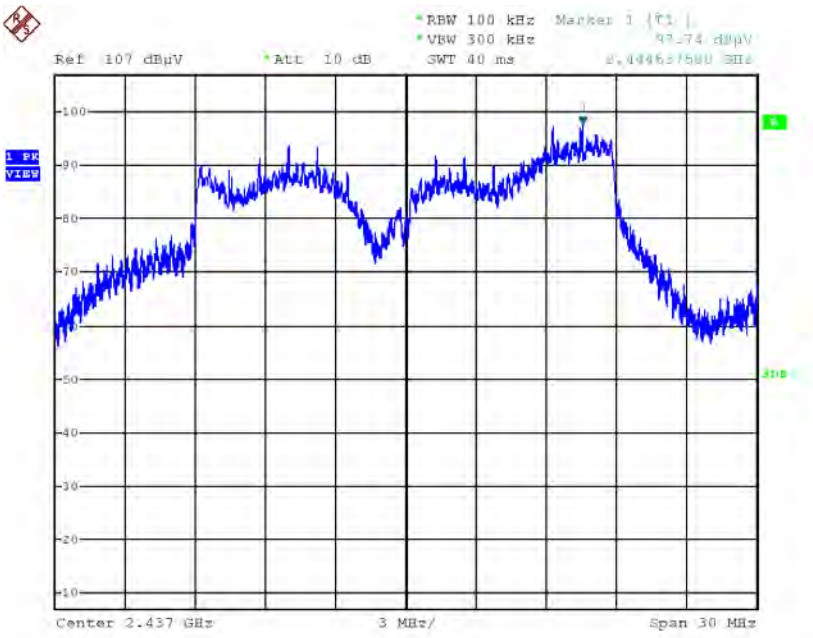


Date: 22.OCT.2015 14:33:52

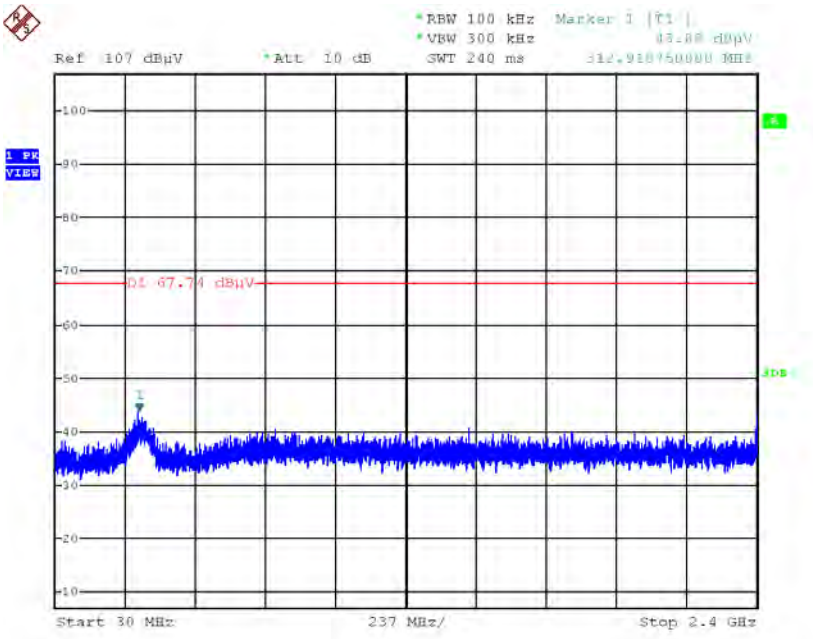
Plot on Configuration IEEE 802.11g / CH 11 / 2500MHz~26500MHz (down 30dBc)



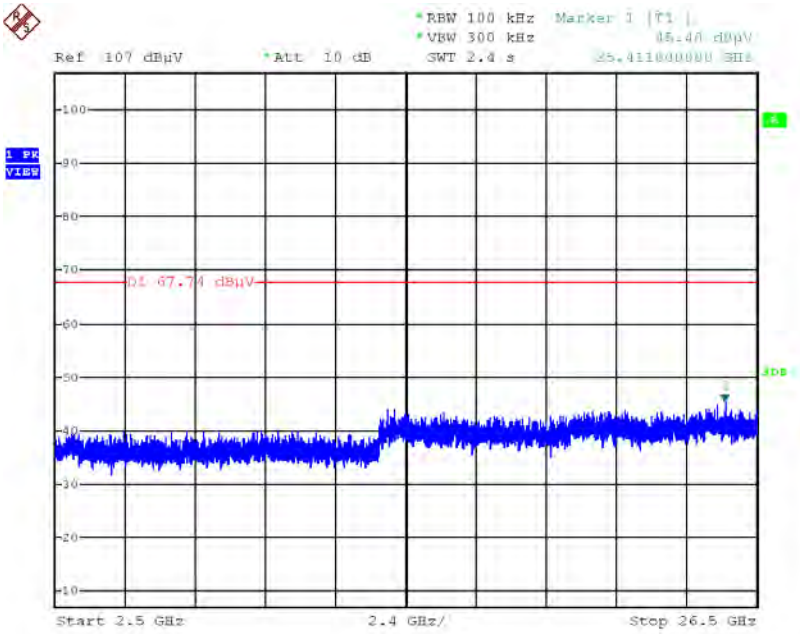
Plot on Configuration IEEE 802.11n MCS0 HT20 / Reference Level



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

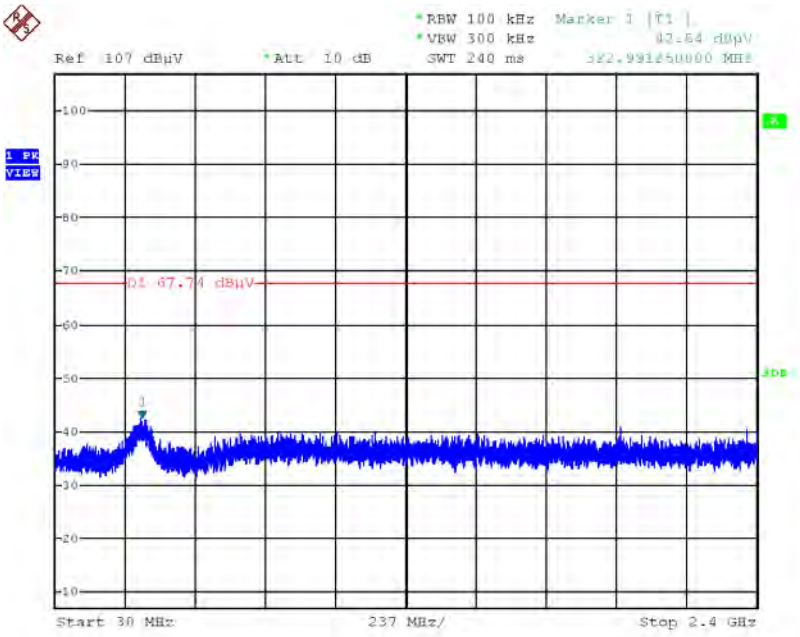


Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 1 / 2500MHz~26500MHz (down 30dBc)



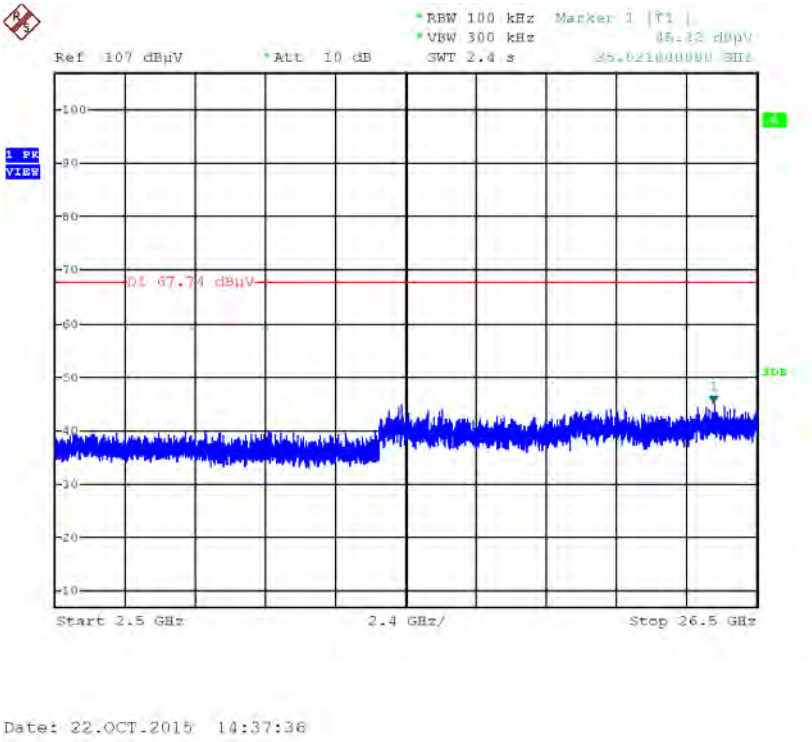
Date: 22.OCT.2015 14:36:23

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

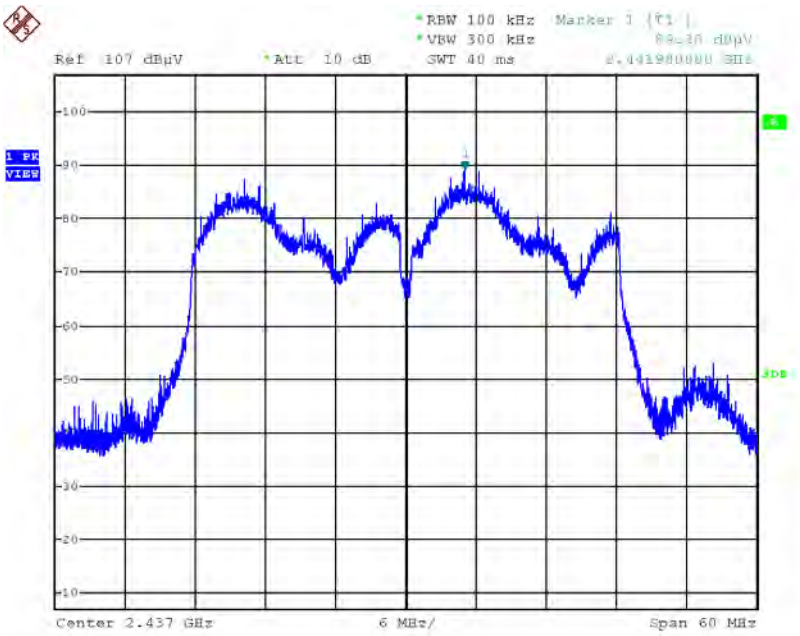


Date: 22.OCT.2015 14:37:06

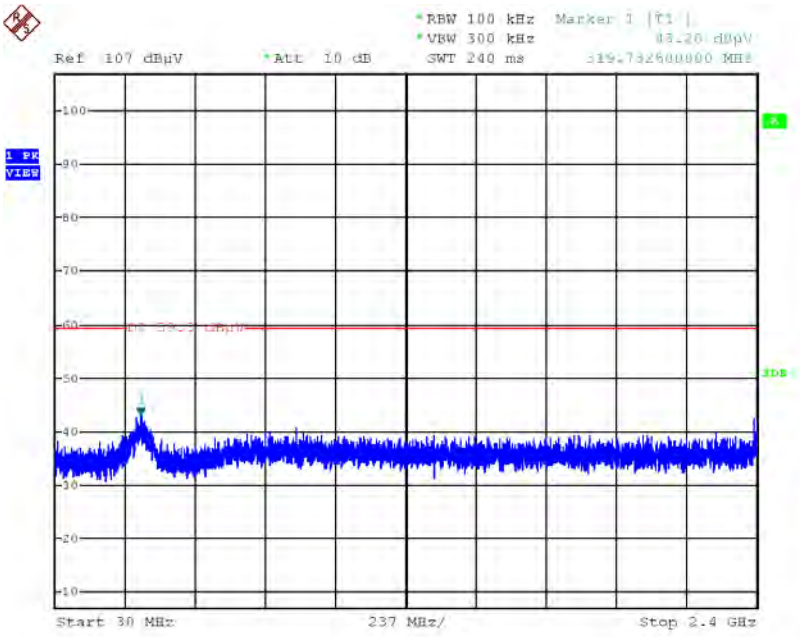
Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 11 / 2500MHz~26500MHz (down 30dBc)



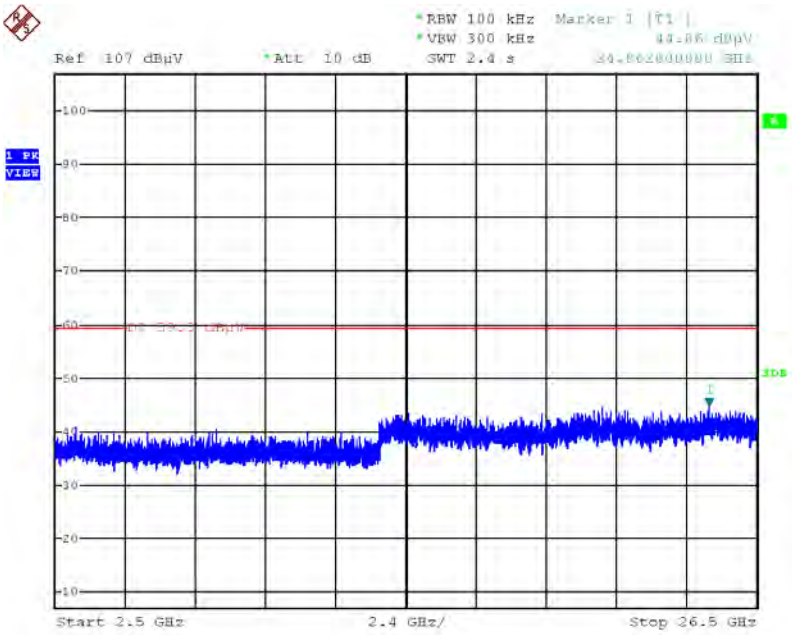
Plot on Configuration IEEE 802.11n MCS0 HT40 / Reference Level



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

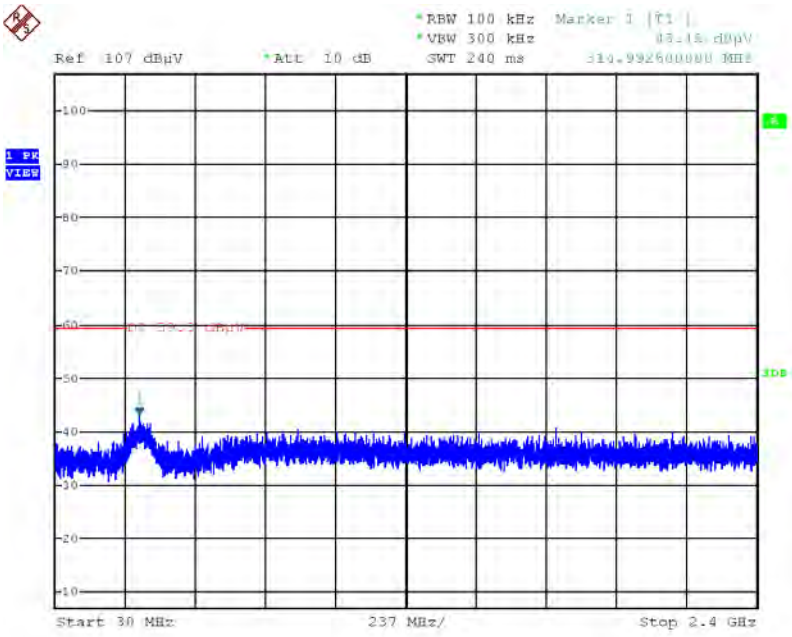


Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 3 / 2500MHz~26500MHz (down 30dBc)



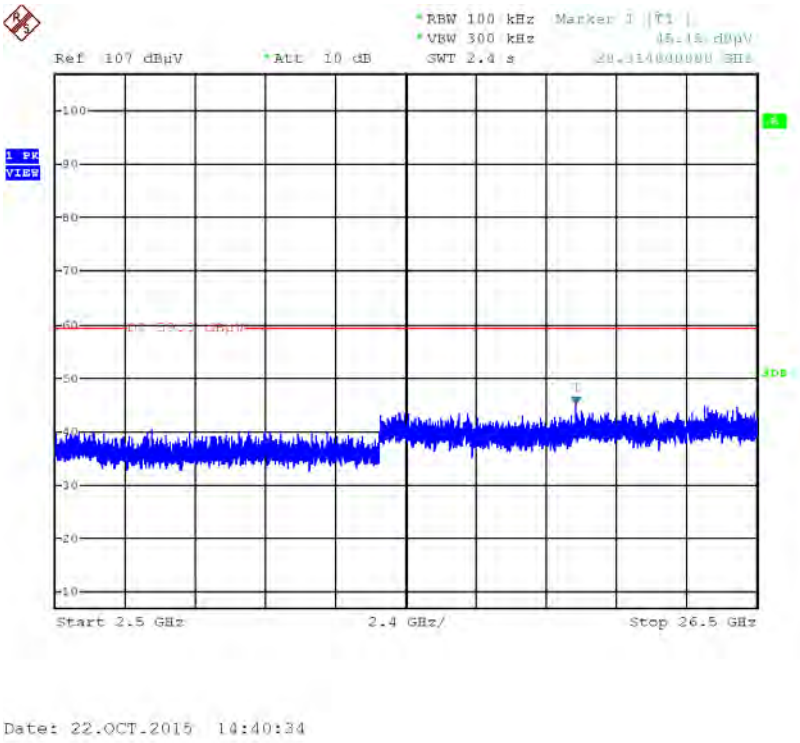
Date: 22.OCT.2015 14:39:37

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



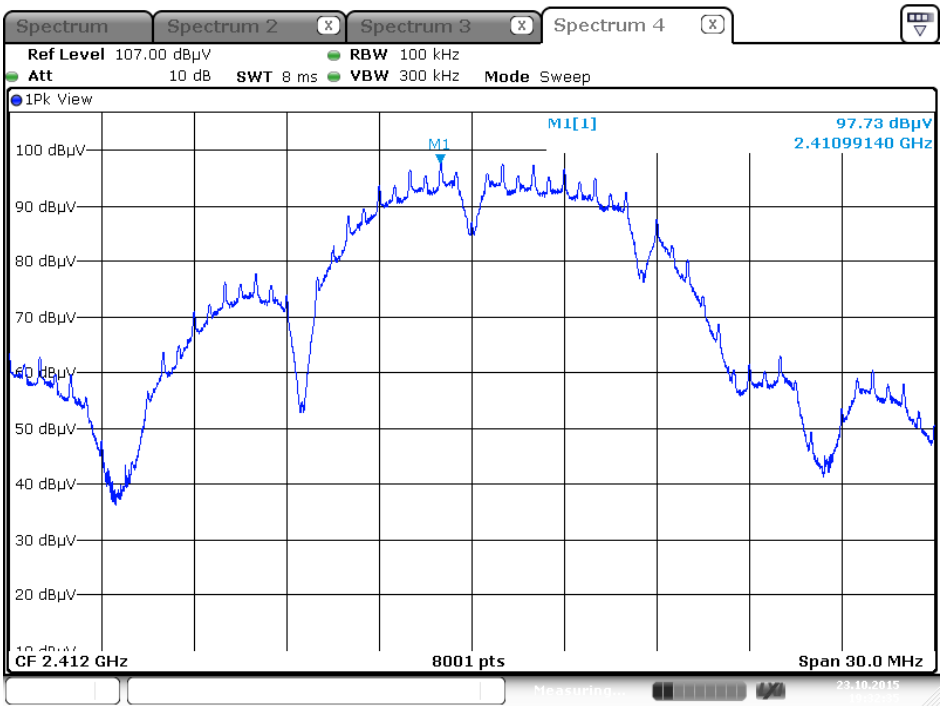
Date: 22.OCT.2015 14:40:10

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



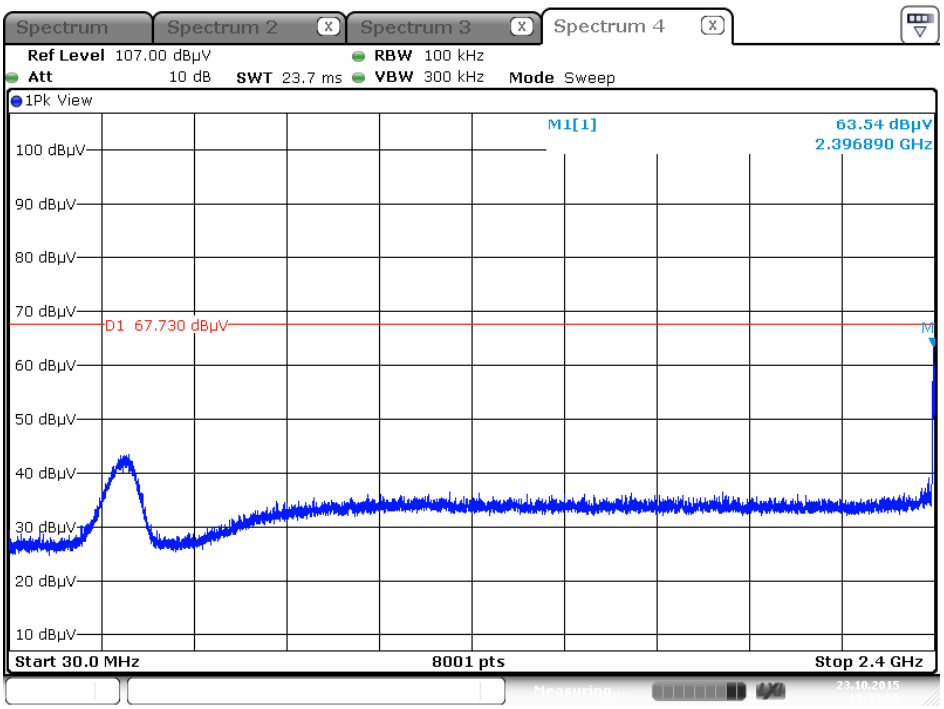
Mode 6: EUT 1 + Set 8 Dipole Antenna / 4.66 dBi

Plot on Configuration IEEE 802.11b / Reference Level



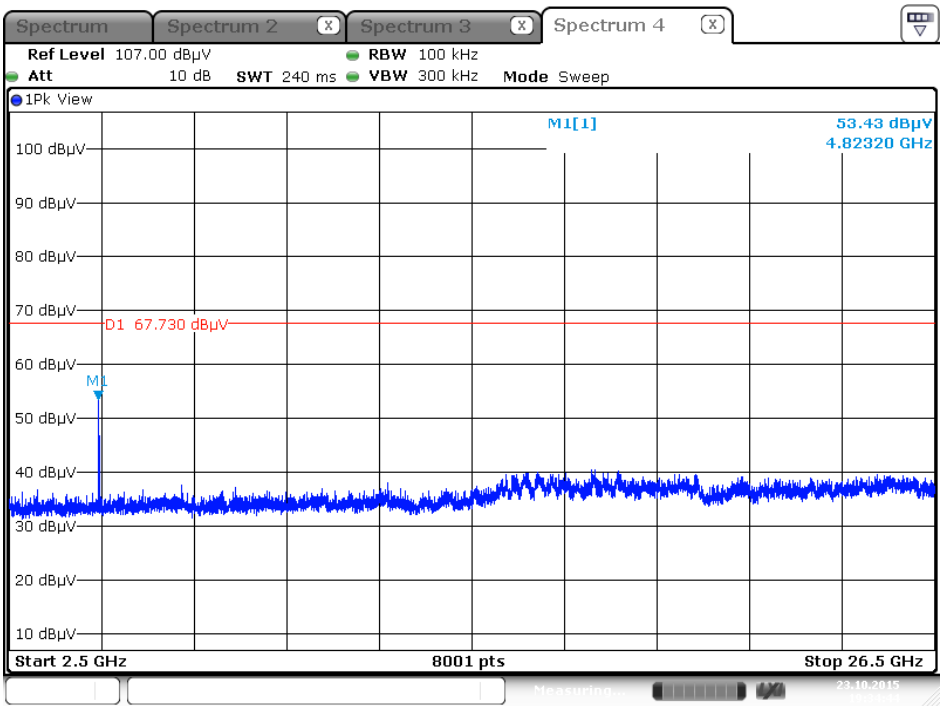
Date: 23.OCT.2015 19:32:35

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



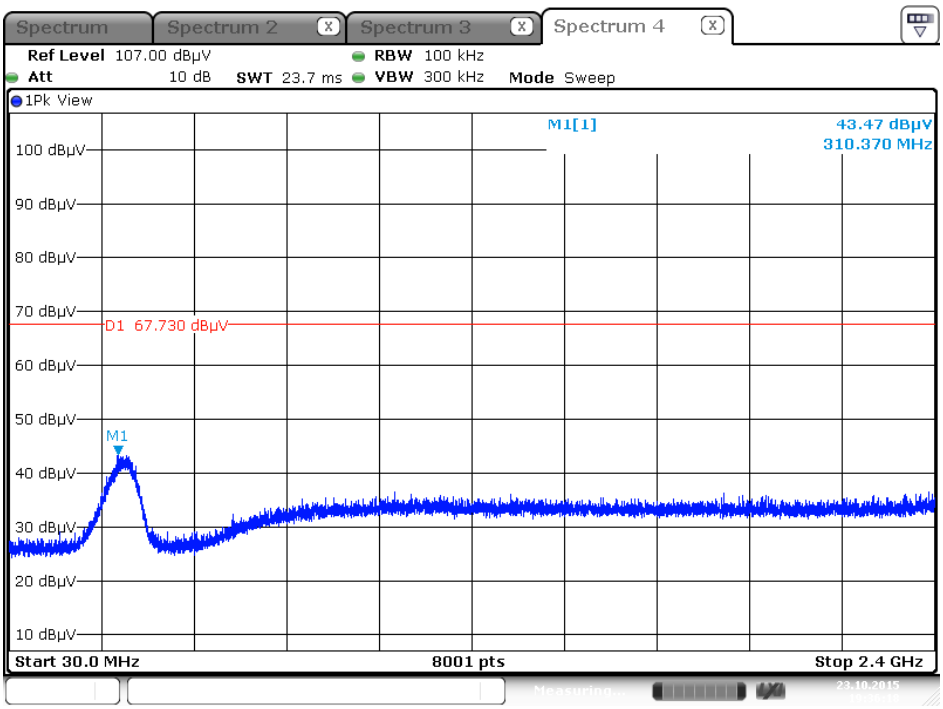
Date: 23.OCT.2015 19:33:56

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



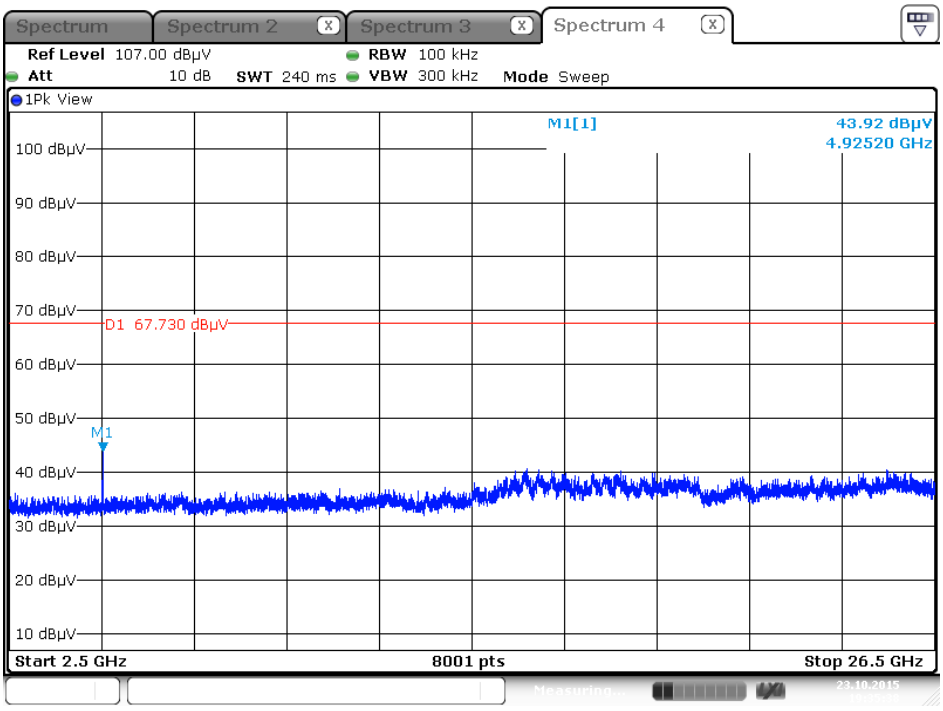
Date: 23.OCT.2015 19:34:45

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



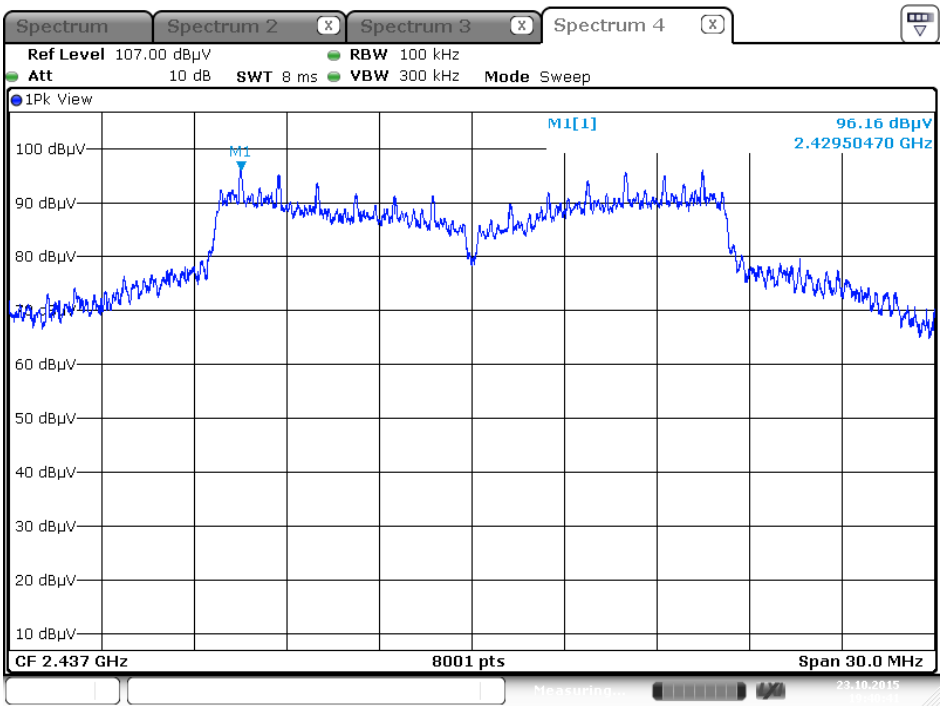
Date: 23.OCT.2015 19:36:19

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



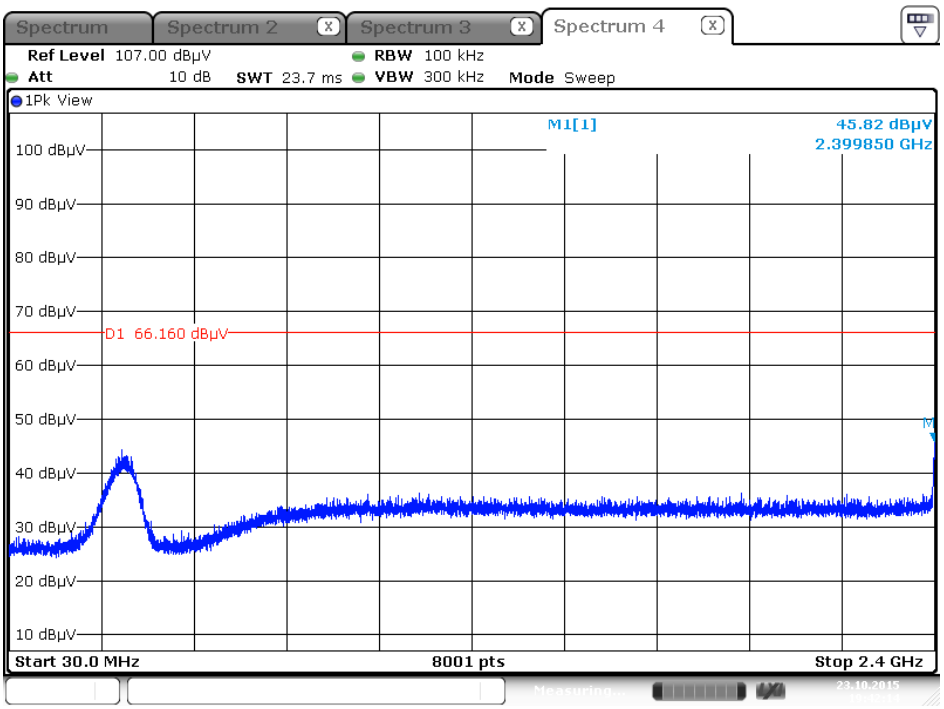
Date: 23.OCT.2015 19:35:38

Plot on Configuration IEEE 802.11g / Reference Level



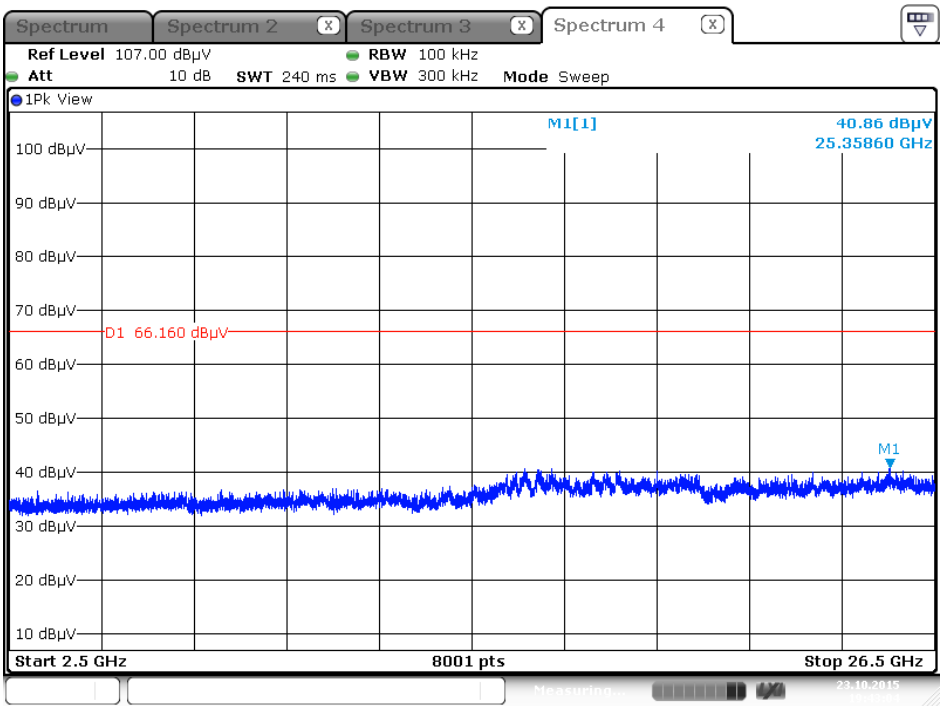
Date: 23.OCT.2015 19:40:41

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



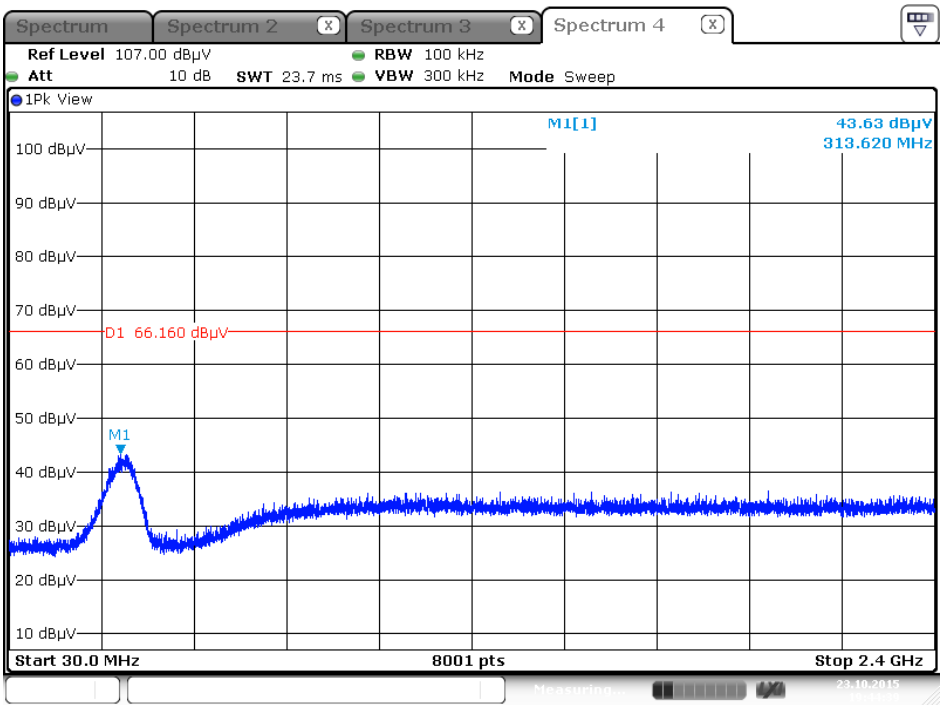
Date: 23.OCT.2015 19:42:14

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



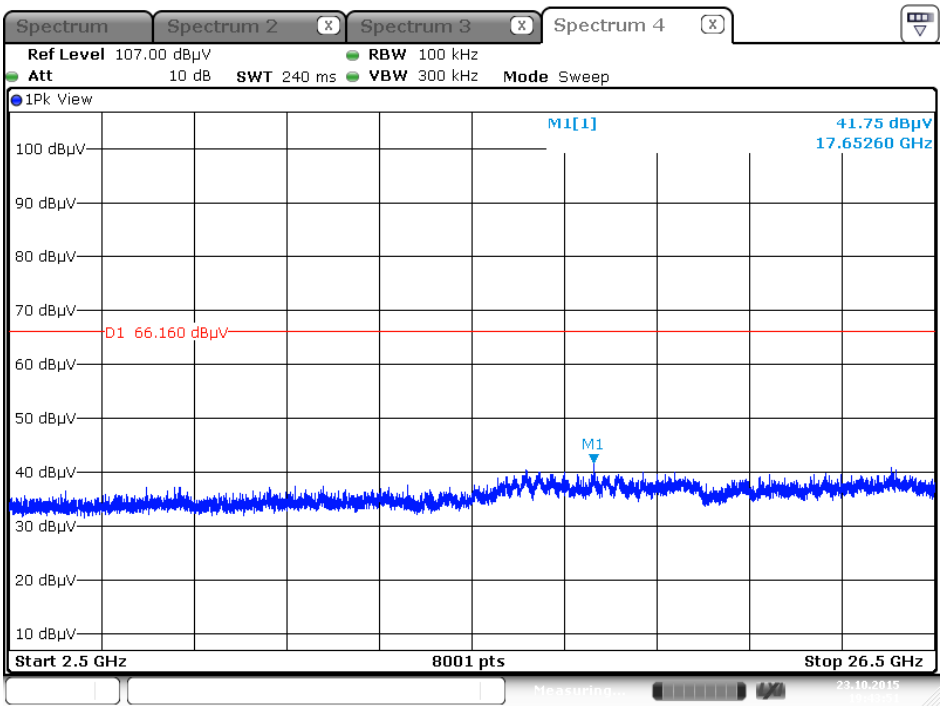
Date: 23.OCT.2015 19:43:04

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



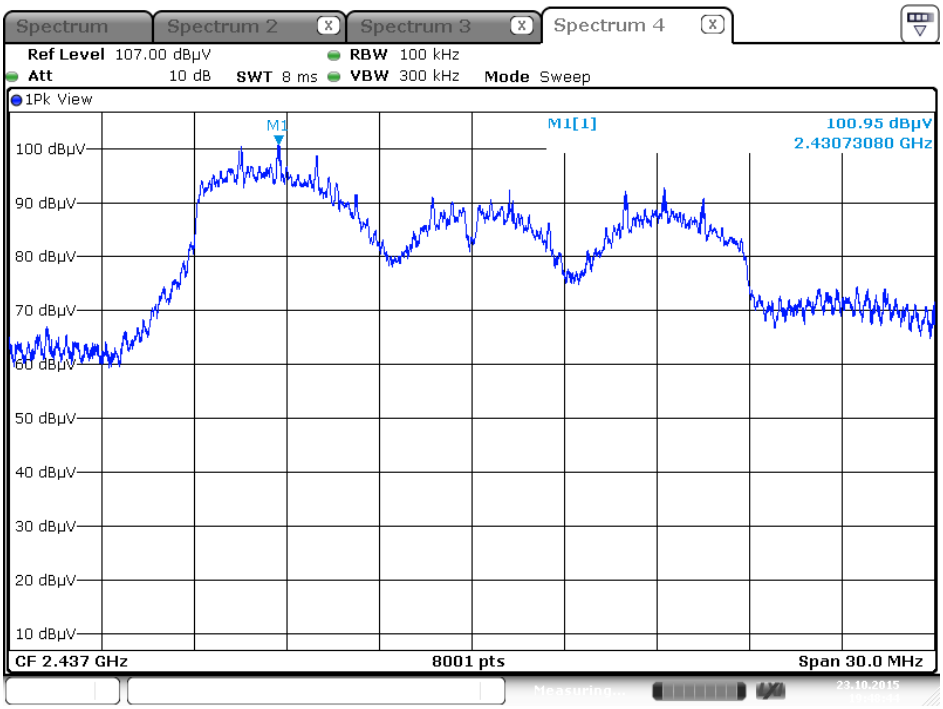
Date: 23.OCT.2015 19:44:40

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



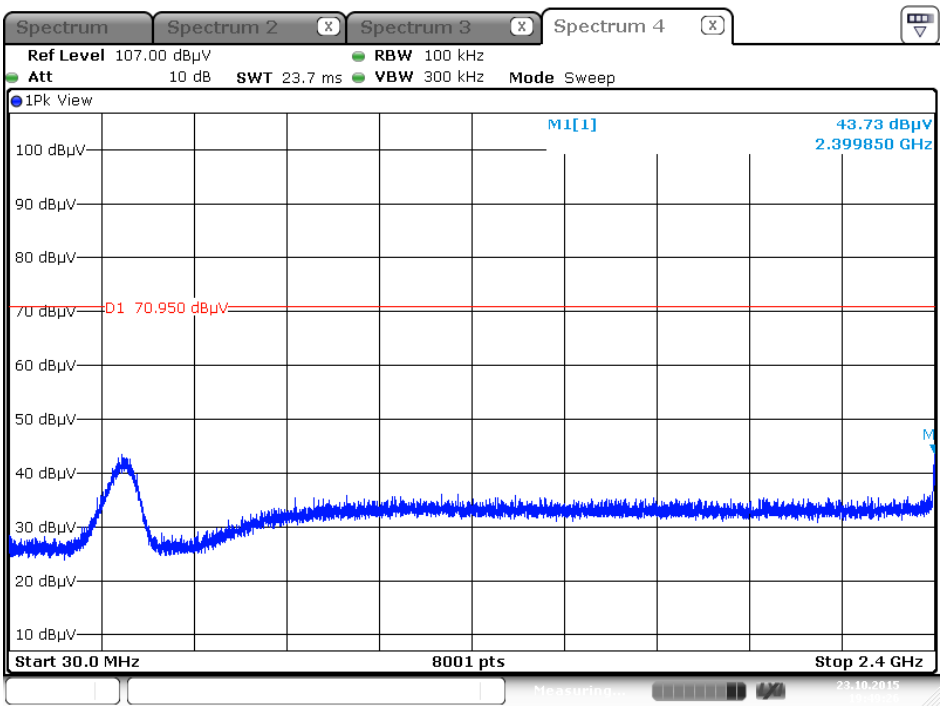
Date: 23.OCT.2015 19:43:51

Plot on Configuration IEEE 802.11n MCS0 HT20 / Reference Level



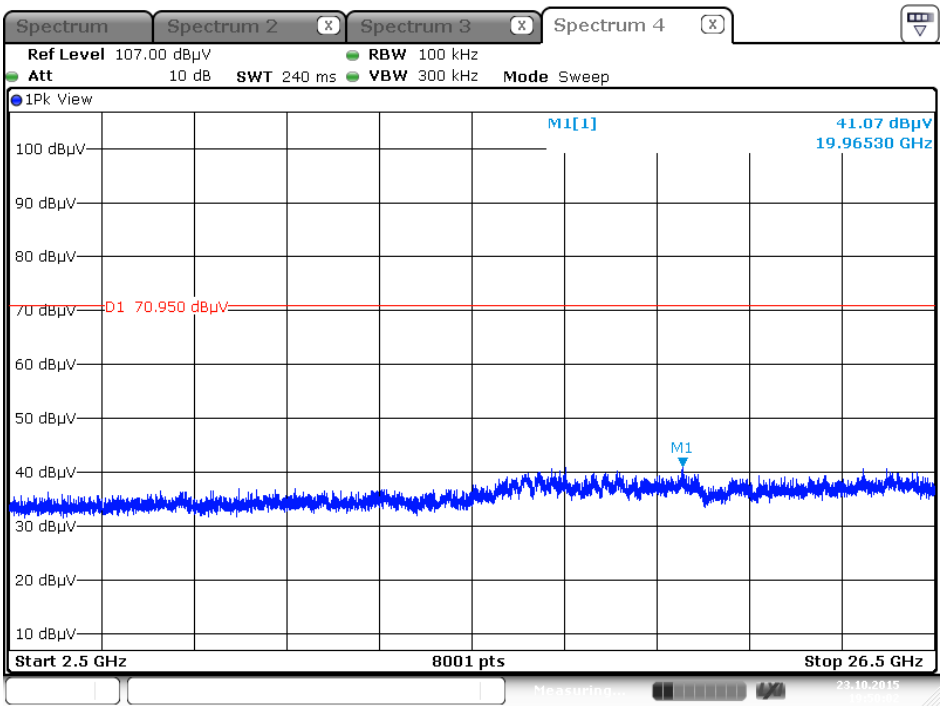
Date: 23.OCT.2015 19:48:44

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



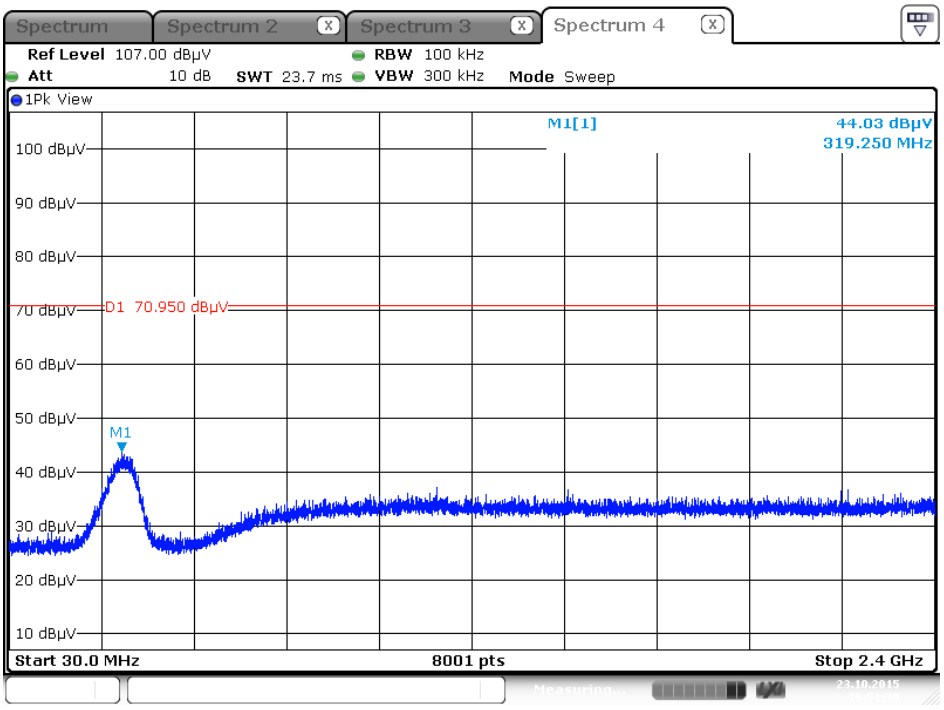
Date: 23.OCT.2015 19:49:26

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



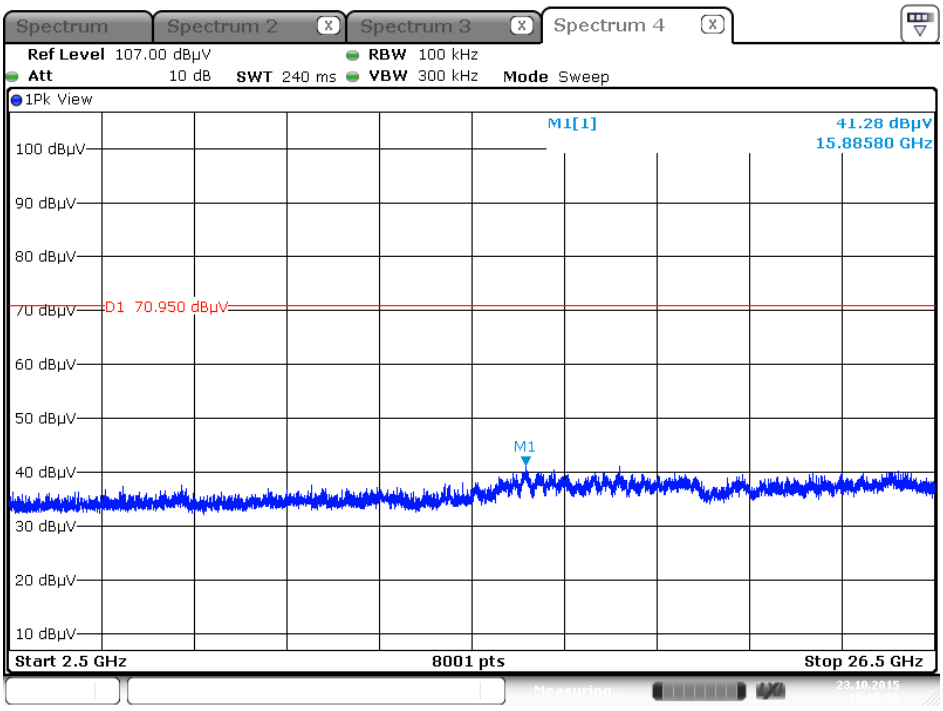
Date: 23.OCT.2015 19:50:01

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



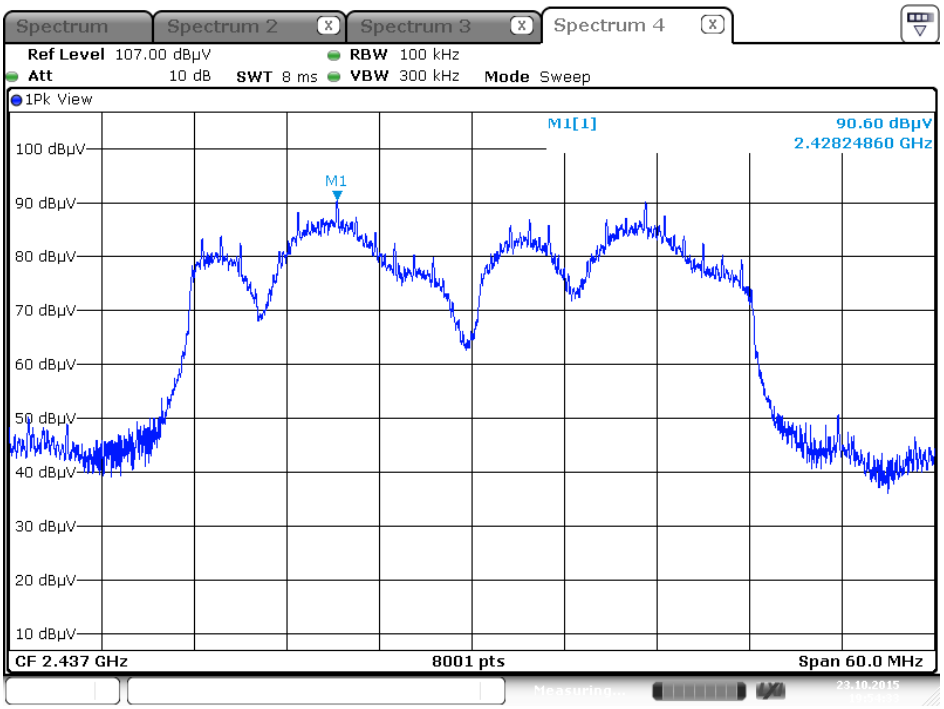
Date: 23.OCT.2015 19:51:39

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



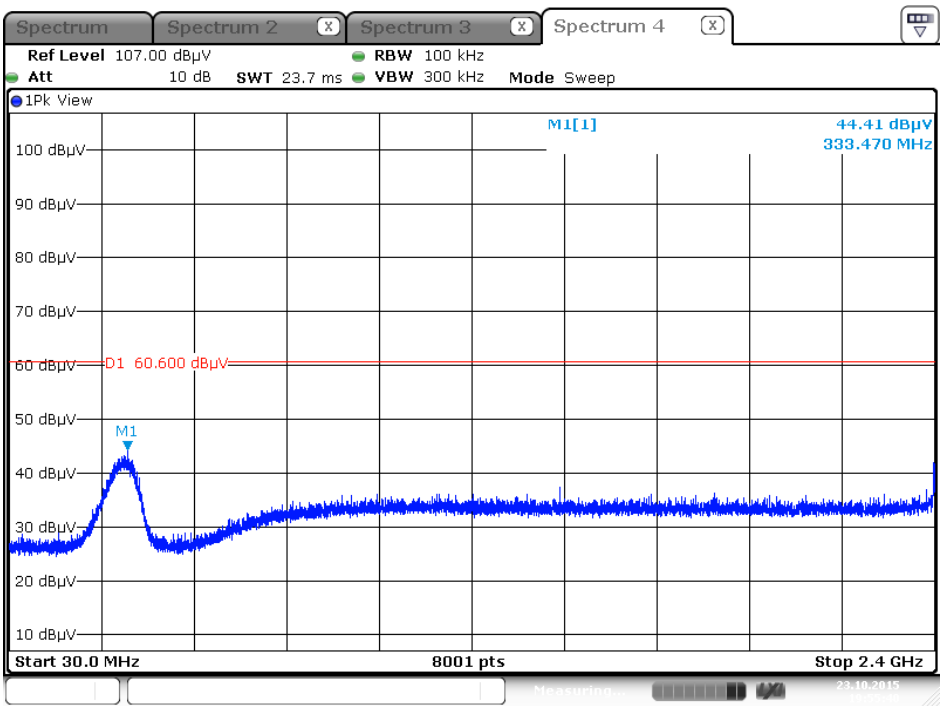
Date: 23.OCT.2015 19:50:57

Plot on Configuration IEEE 802.11n MCS0 HT40 / Reference Level



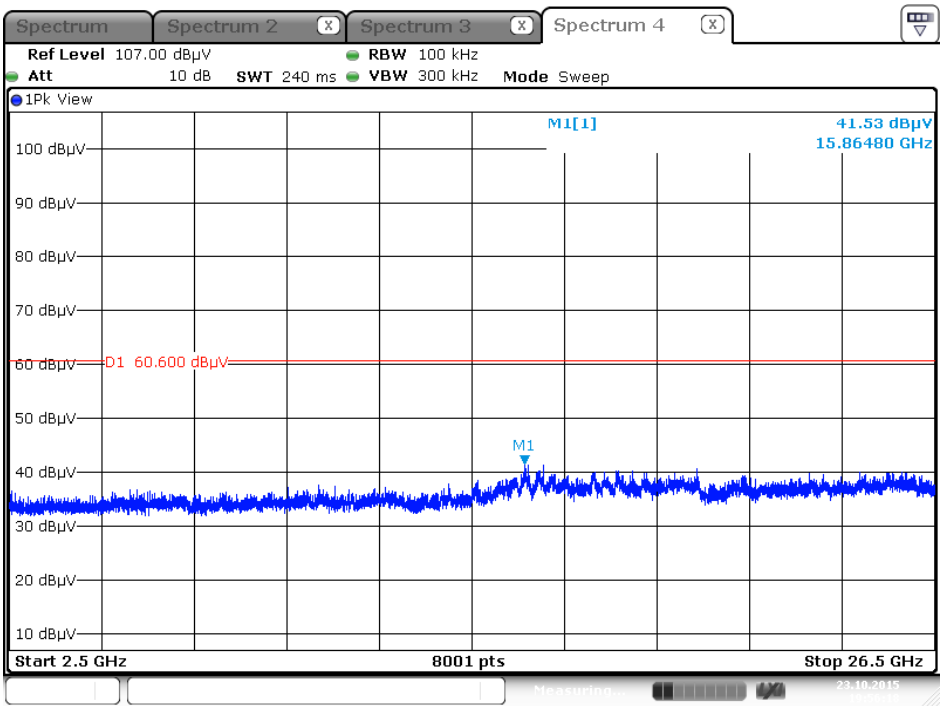
Date: 23.OCT.2015 19:54:34

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



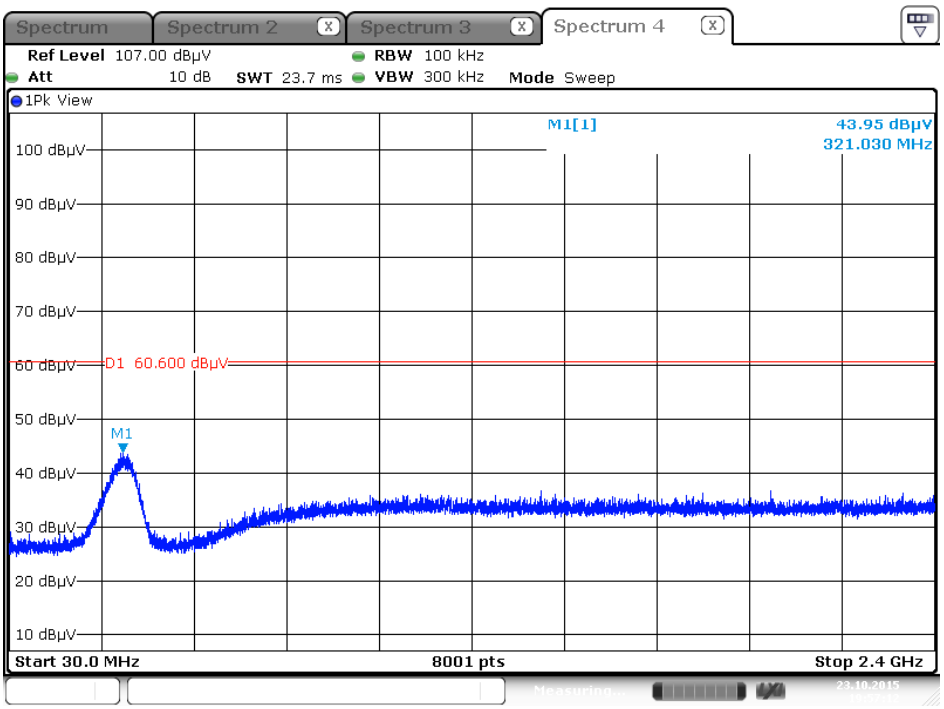
Date: 23.OCT.2015 19:55:40

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



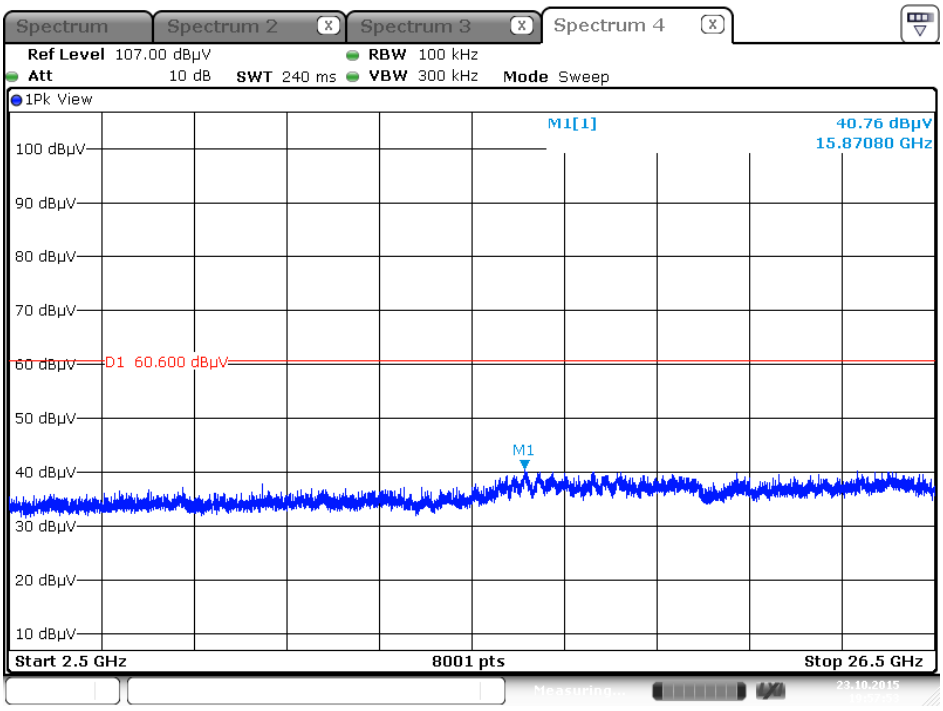
Date: 23.OCT.2015 19:56:18

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



Date: 23.OCT.2015 19:57:12

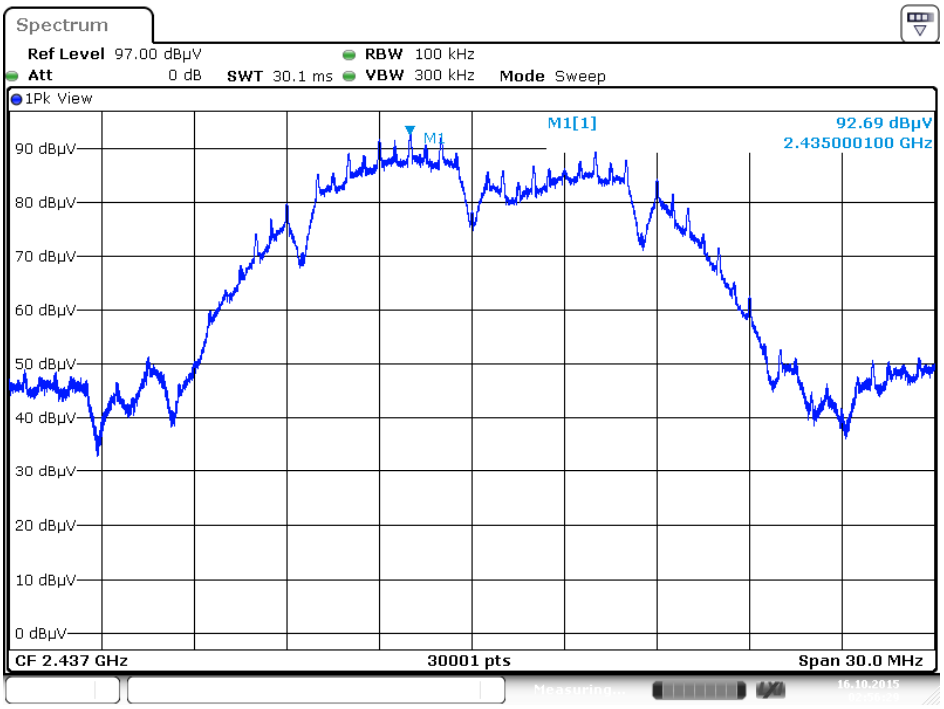
Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 9 / 2500MHz~26500MHz (down 30dBc)



Date: 23.OCT.2015 19:57:53

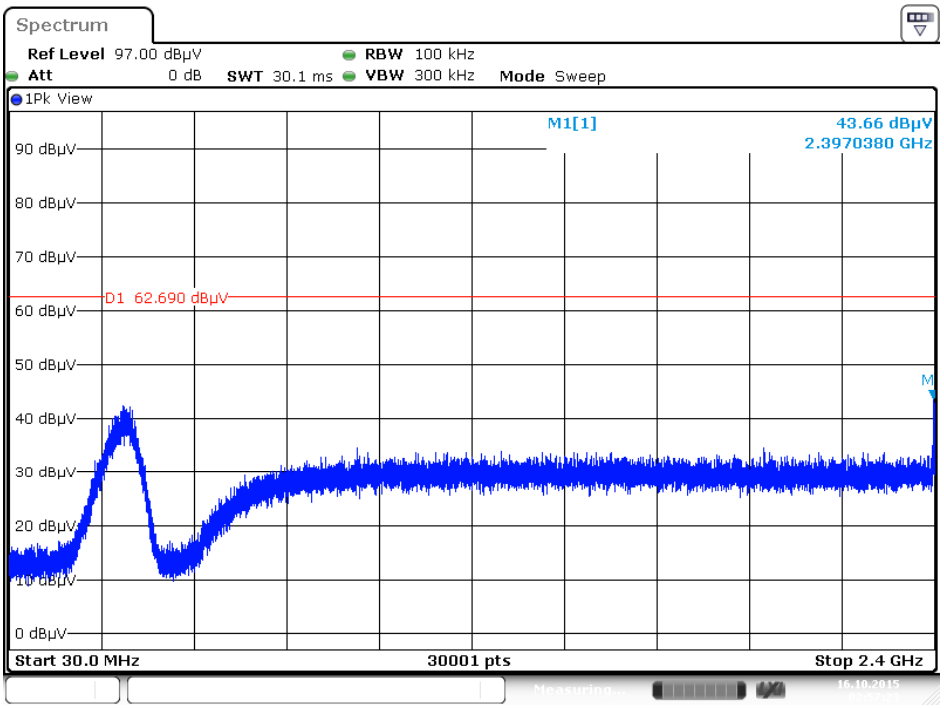
Mode 7: EUT 2 + Set 10 PIFA Antenna / Chain1:3.81 dBi, Chain2:3.75 dBi, Chain3:3.98 dBi, Chain4:3.47 dBi

Plot on Configuration IEEE 802.11b / Reference Level



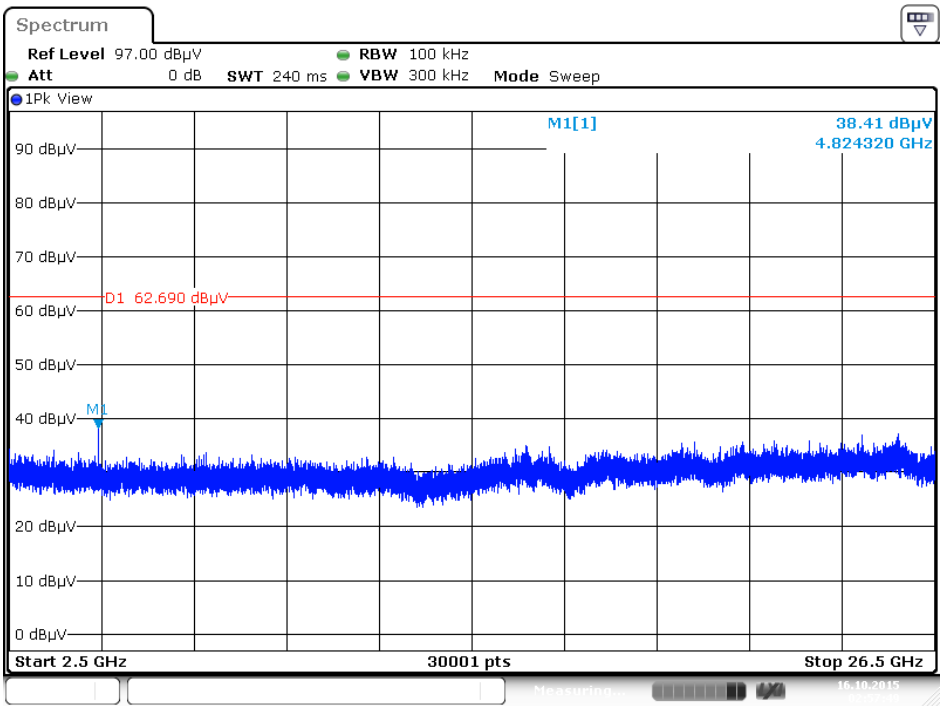
Date: 16.OCT.2015 02:56:30

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



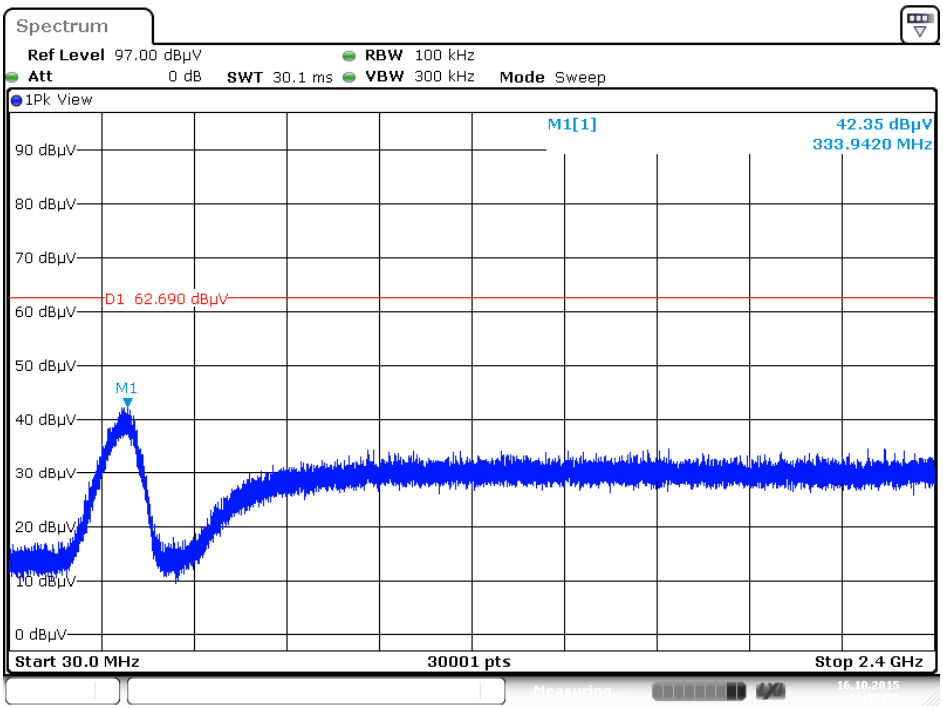
Date: 16.OCT.2015 02:57:23

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



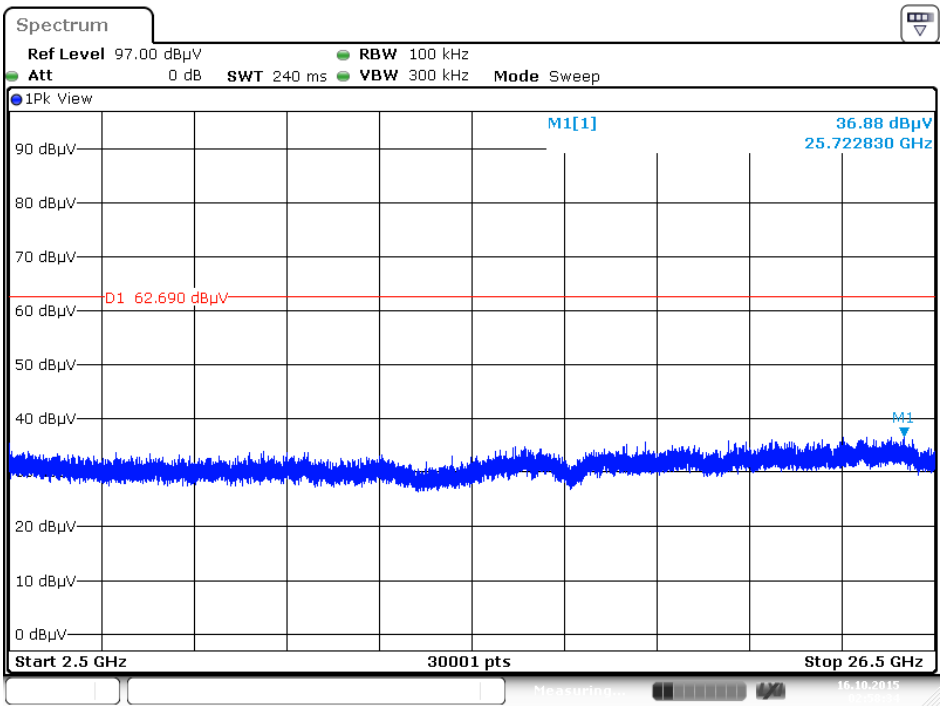
Date: 16.OCT.2015 02:57:49

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



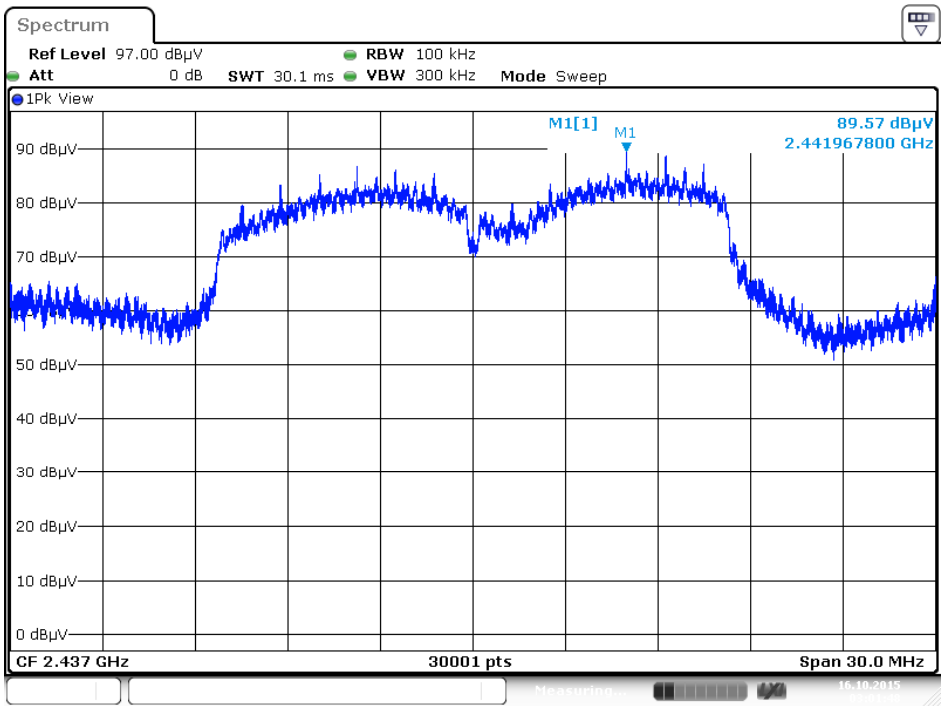
Date: 16.OCT.2015 02:58:57

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



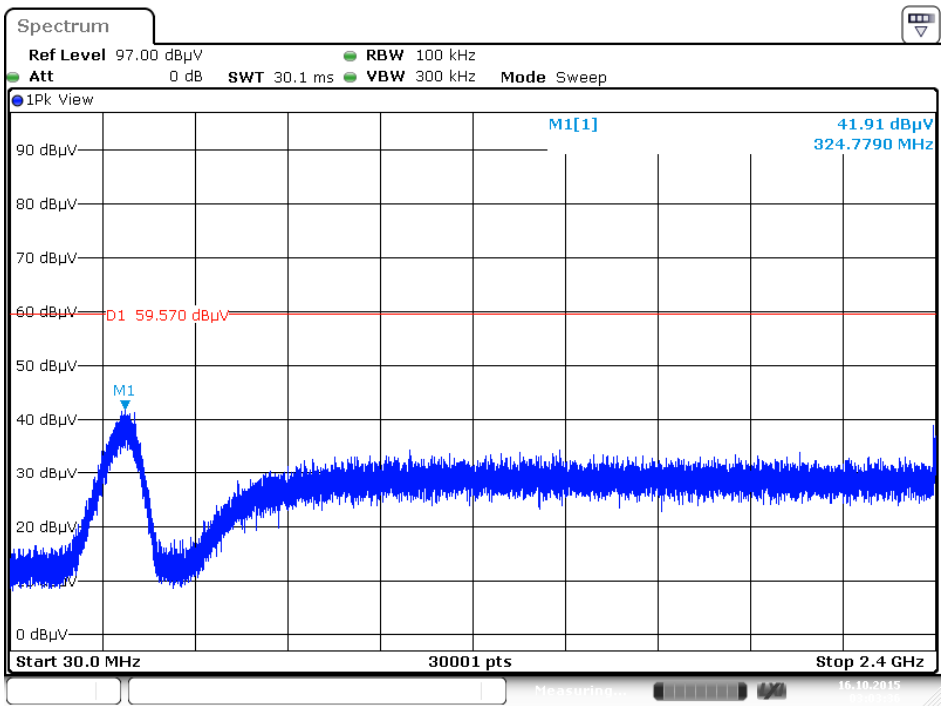
Date: 16.OCT.2015 02:58:34

Plot on Configuration IEEE 802.11g / Reference Level



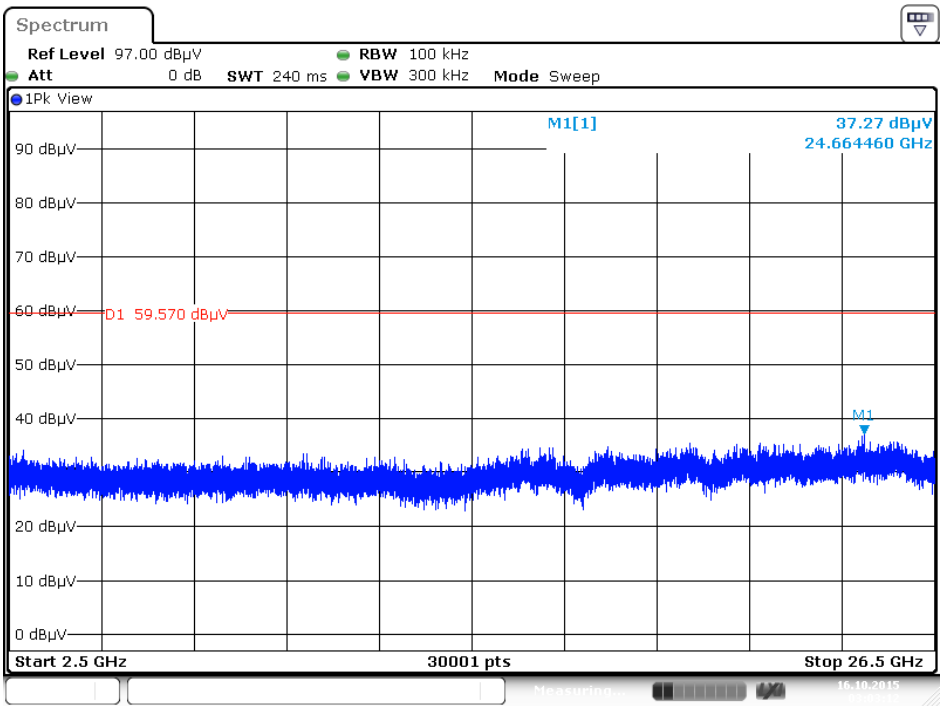
Date: 16.OCT.2015 03:01:48

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



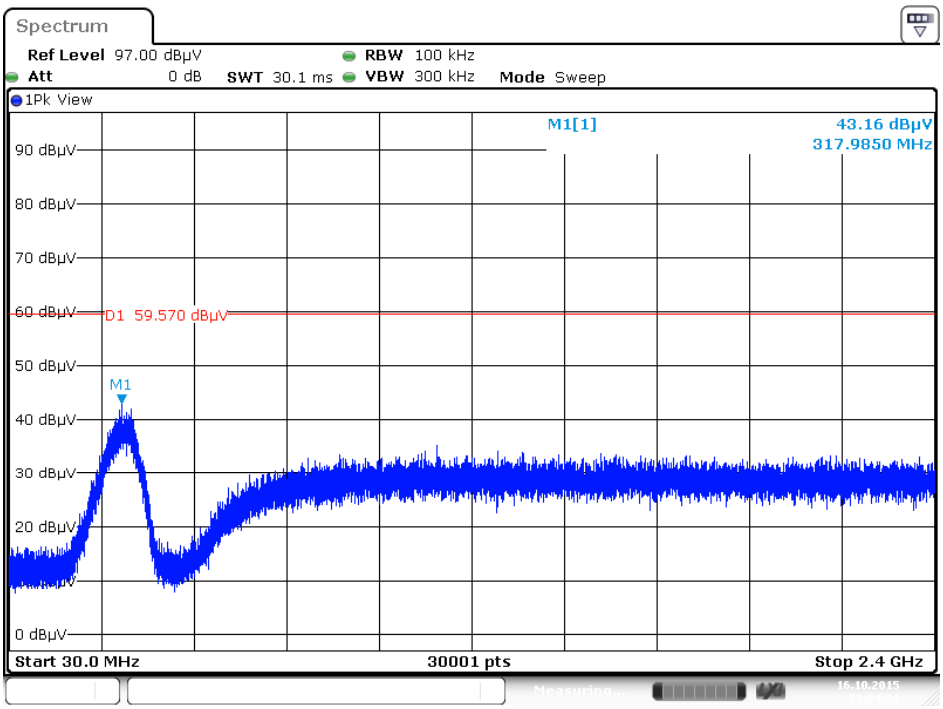
Date: 16.OCT.2015 03:03:36

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



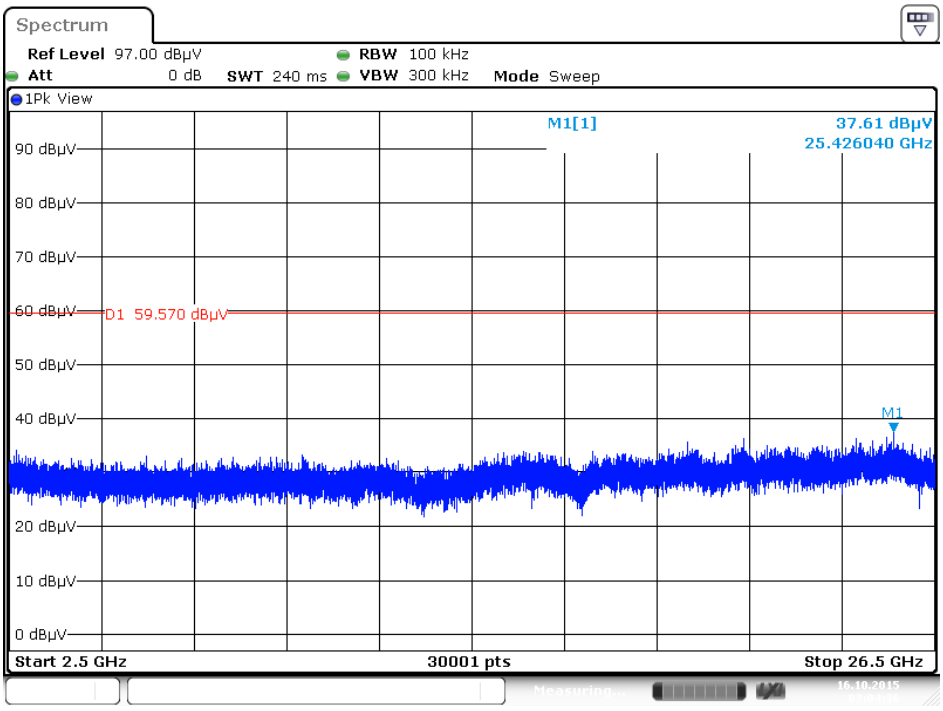
Date: 16.OCT.2015 03:03:12

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



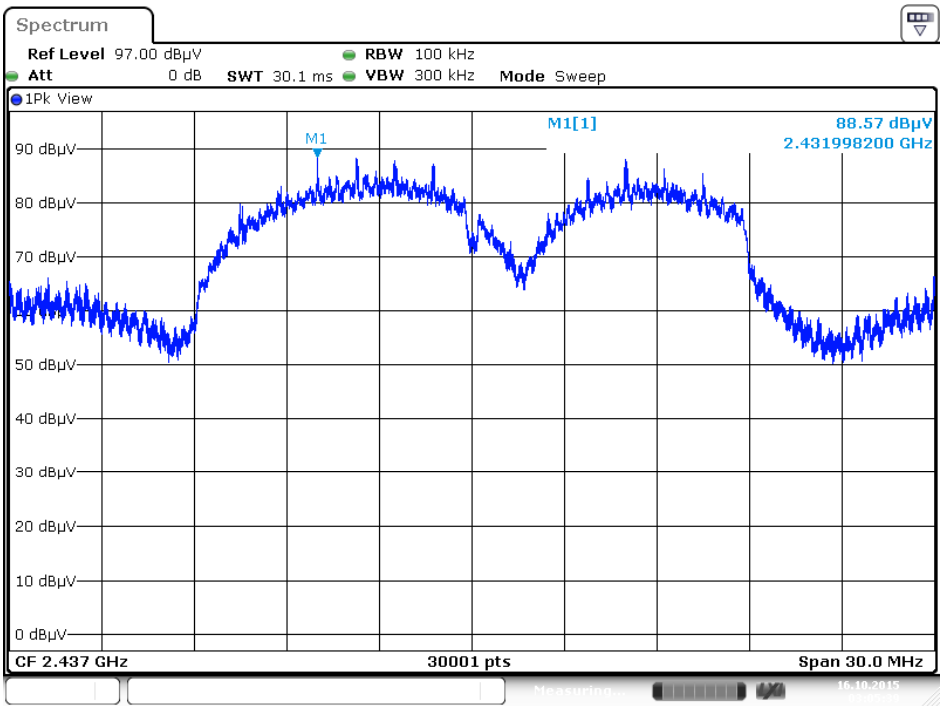
Date: 16.OCT.2015 03:04:21

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



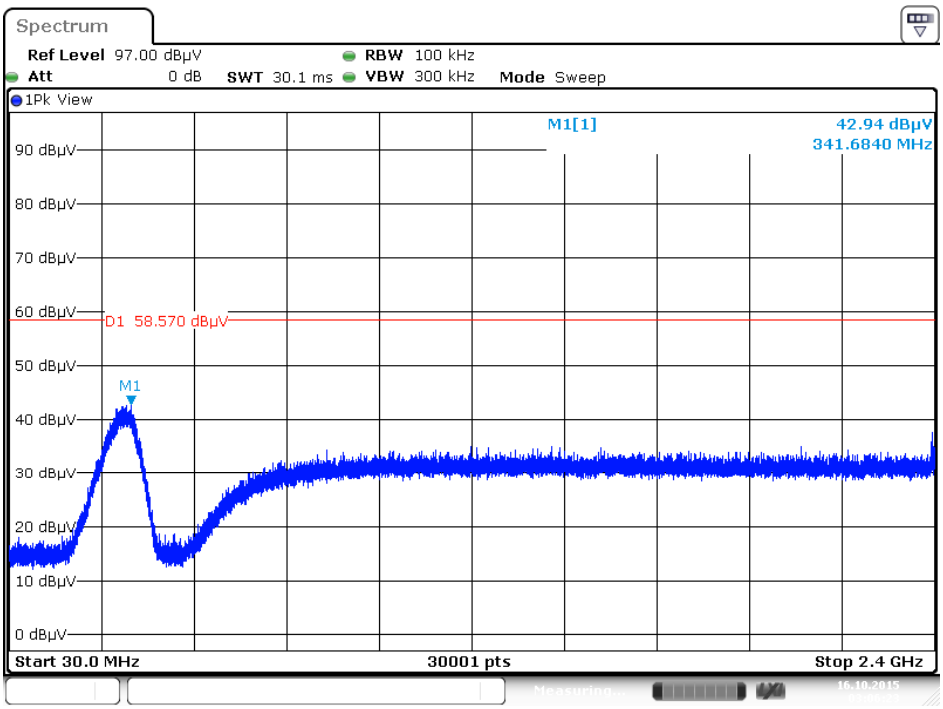
Date: 16.OCT.2015 03:04:36

Plot on Configuration IEEE 802.11n MCS0 HT20 / Reference Level



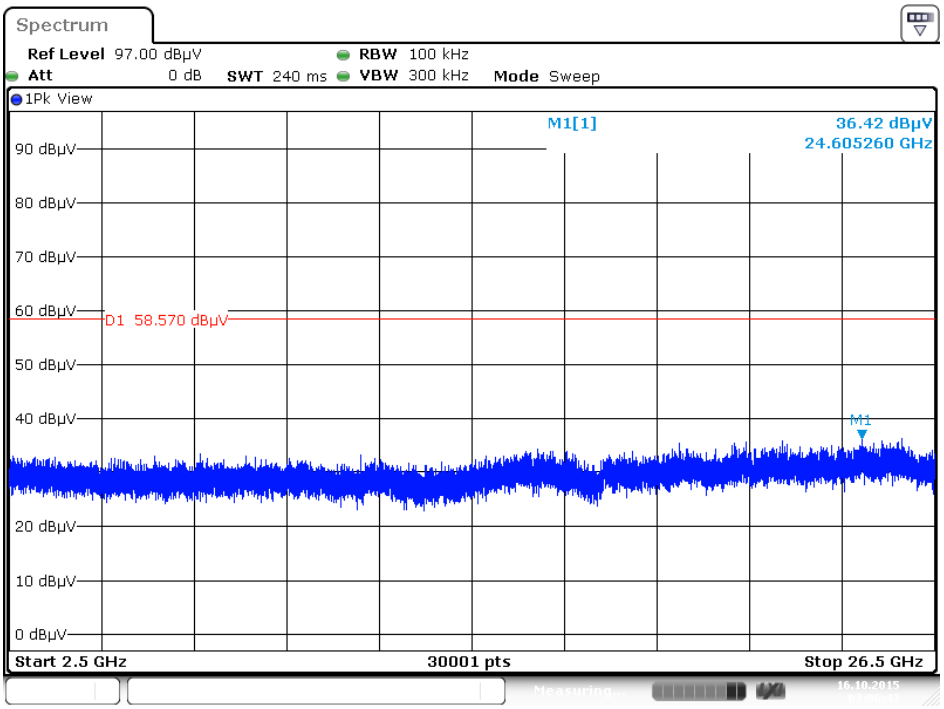
Date: 16.OCT.2015 03:05:39

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



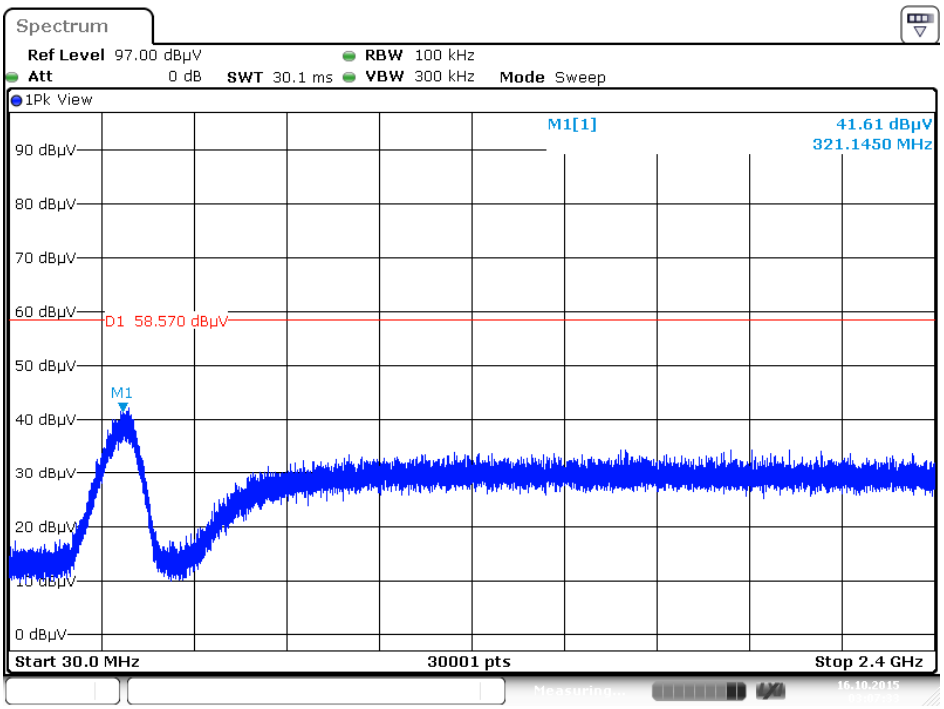
Date: 16.OCT.2015 03:06:23

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



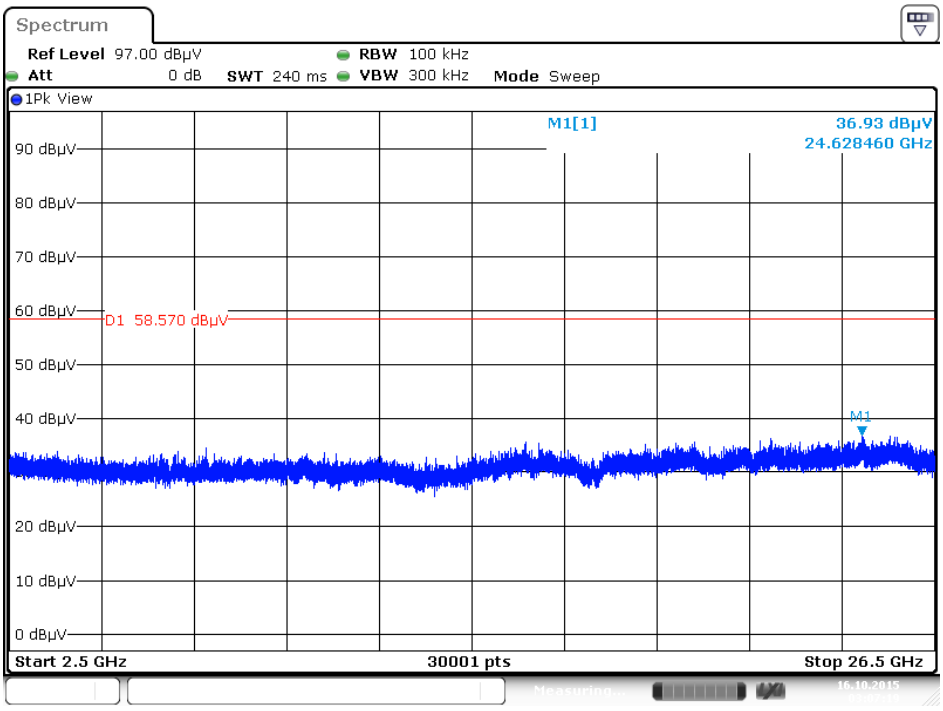
Date: 16.OCT.2015 03:06:43

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



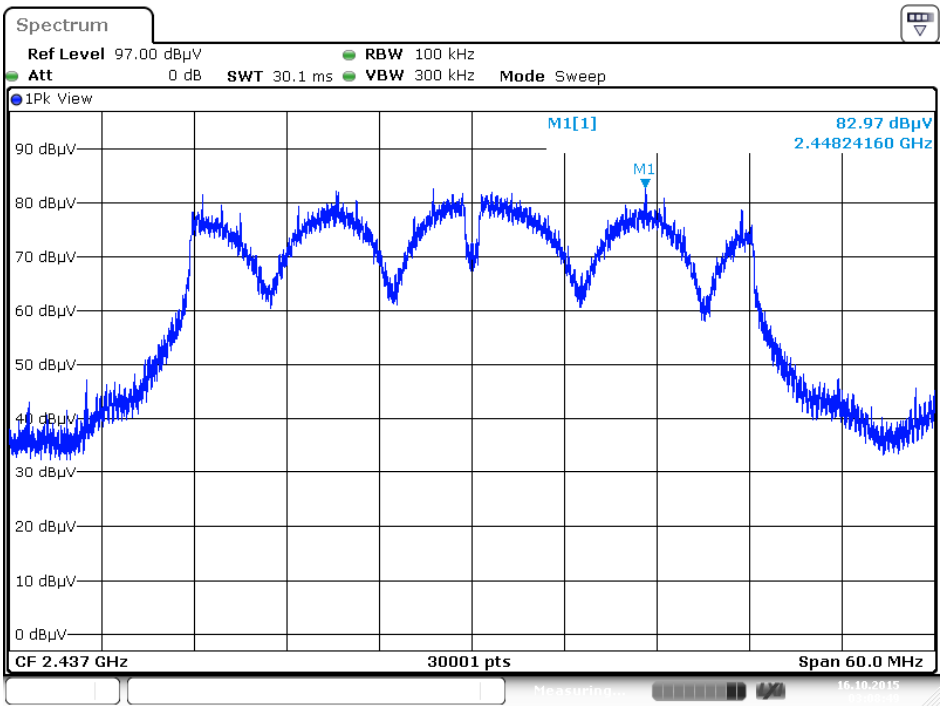
Date: 16.OCT.2015 03:07:33

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



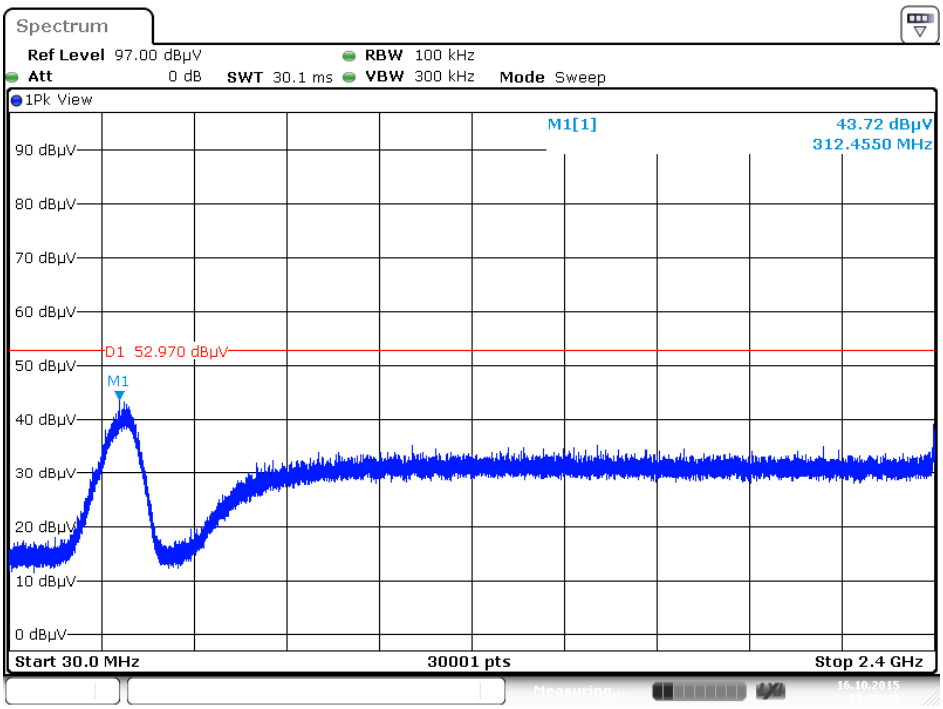
Date: 16.OCT.2015 03:07:20

Plot on Configuration IEEE 802.11n MCS0 HT40 / Reference Level



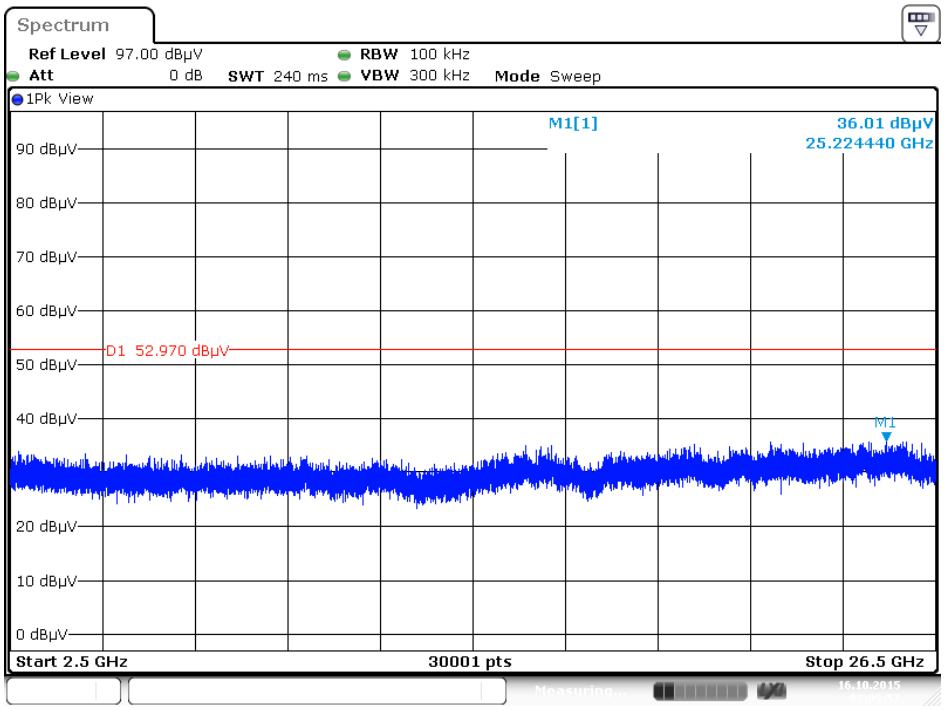
Date: 16.OCT.2015 03:08:49

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



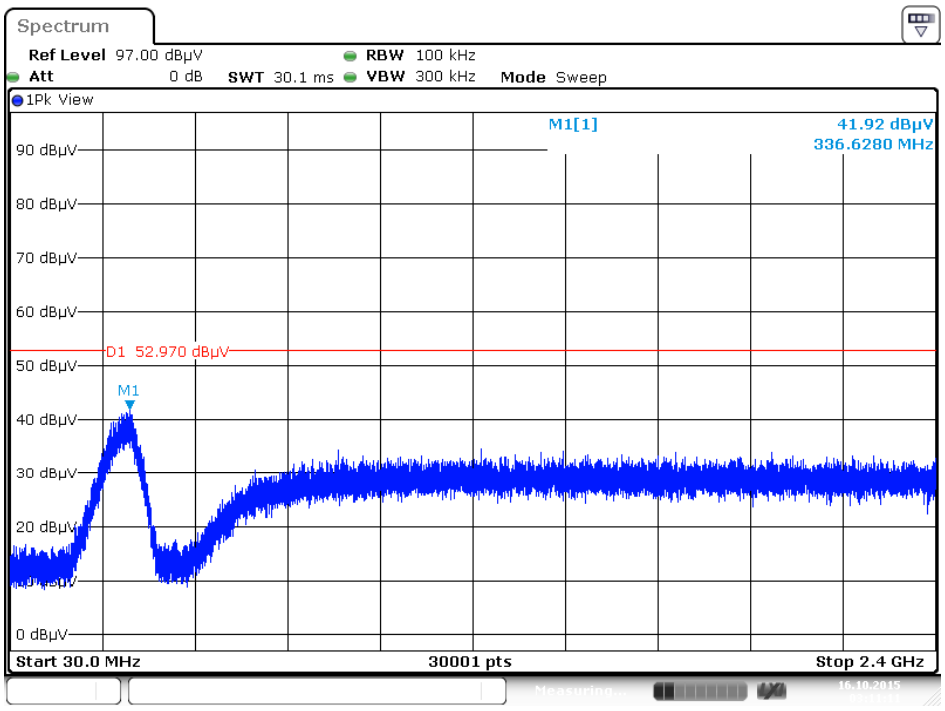
Date: 16.OCT.2015 03:09:40

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



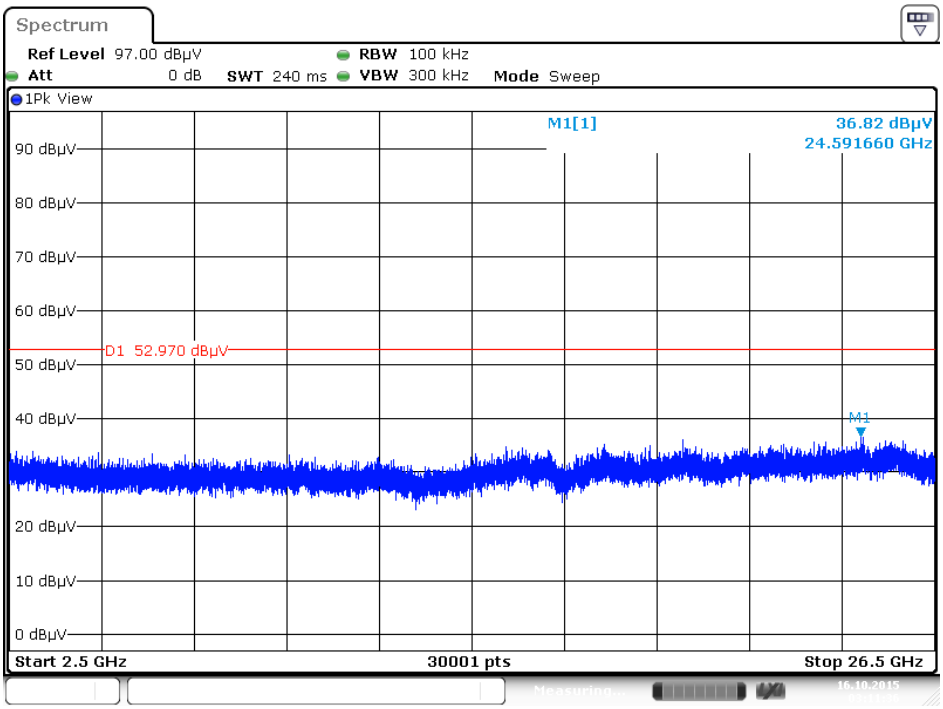
Date: 16.OCT.2015 03:09:58

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



Date: 16.OCT.2015 03:11:12

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



Date: 16.OCT.2015 03:11:36

4.7. Antenna Requirements

4.7.1. Limit

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

4.7.2. Antenna Connector Construction

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

5. LIST OF MEASURING EQUIPMENTS

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
EMI Test Receiver	R&S	ESCS 30	100355	9kHz ~ 2.75GHz	Apr. 22, 2015	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 02, 2014	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Dec. 02, 2014	Conduction (CO01-CB)
COND Cable	Woken	Cable	01	150kHz ~ 30MHz	Dec. 03, 2014	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	Conduction (CO01-CB)
BILOG ANTENNA	Schaffner	CBL6112D	22021	20MHz ~ 2GHz	May 06, 2015	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 12, 2015*	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Oct. 28, 2014	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Oct. 22, 2015	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2015	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8447D	2944A10991	0.1MHz ~ 1.3GHz	Feb. 24, 2015	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 12, 2015	Radiation (03CH01-CB)
Pre-Amplifier	WM	TF-130N-R1	923365	26GHz ~ 40GHz	Feb.10, 2015	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Nov. 06, 2014	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Oct. 27, 2015	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 12, 2014	Radiation (03CH01-CB)
EMI Receiver	Agilent	N9038A	MY52260123	9kHz ~ 8.4GHz	Jan. 21, 2015	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-1	N/A	30 MHz ~ 1 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Nov. 15, 2014	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-17	N/A	1 GHz ~ 18 GHz	Nov. 15, 2014	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-17	N/A	1 GHz ~ 18 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G-1	N/A	1 GHz ~ 40 GHz	Nov. 15, 2014	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G-1	N/A	18GHz ~ 40 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G-2	N/A	1 GHz ~ 40 GHz	Nov. 15, 2014	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G-2	N/A	18GHz ~ 40 GHz	Nov. 02, 2015	Radiation (03CH01-CB)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 12, 2014	Conducted (TH01-CB)
Temp. and Humidity Chamber	Ten Billion	TTH-D3SP	TBN-931011	-30~100 degree	Jun. 02, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-7	1 GHz – 26.5 GHz	Nov. 15, 2014	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-7	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-8	1 GHz – 26.5 GHz	Nov. 15, 2014	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-8	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-9	1 GHz – 26.5 GHz	Nov. 15, 2014	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-9	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 26.5 GHz	Nov. 15, 2014	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-6	1 GHz – 26.5 GHz	Nov. 15, 2014	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-6	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 03, 2014	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 02, 2015	Conducted (TH01-CB)

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

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

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

6. MEASUREMENT UNCERTAINTY

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