

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. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 10.5 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	4873.97	43.79	54.00	-10.21	39.82	5.70	32.78	34.51	211	224	Average	HORIZONTAL
2	4874.00	50.04	74.00	-23.96	46.07	5.70	32.78	34.51	211	224	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4873.97	46.15	54.00	-7.85	42.18	5.70	32.78	34.51	167	180	Average	VERTICAL
2	4874.06	50.21	74.00	-23.79	46.24	5.70	32.78	34.51	167	180	Peak	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. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 10.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm		
1	4926.89	42.82	54.00	-11.18	38.64	5.79	32.88	34.49	313	150 Average	HORIZONTAL
2	4927.05	49.85	74.00	-24.15	45.67	5.79	32.88	34.49	313	150 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm		
1	4924.03	45.30	54.00	-8.70	41.12	5.79	32.88	34.49	191	170 Average	VERTICAL
2	4924.13	50.17	74.00	-23.83	45.99	5.79	32.88	34.49	191	170 Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11g CH 1 / 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		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4827.59	45.85	74.00	-28.15	42.08	5.60	32.69	34.52	140	194	Peak	HORIZONTAL
2	4827.75	33.03	54.00	-20.97	29.26	5.60	32.69	34.52	140	194	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4827.37	48.45	74.00	-25.55	44.68	5.60	32.69	34.52	211	221	Peak	VERTICAL
2	4827.56	35.96	54.00	-18.04	32.19	5.60	32.69	34.52	211	221	Average	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. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 10.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4876.12	47.92	74.00	-26.08	43.95	5.70	32.78	34.51	212	159	Peak	HORIZONTAL
2	4876.31	34.85	54.00	-19.15	30.88	5.70	32.78	34.51	212	159	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4876.92	52.73	74.00	-21.27	48.76	5.70	32.78	34.51	188	196	Peak	VERTICAL
2	4877.46	39.57	54.00	-14.43	35.60	5.70	32.78	34.51	188	196	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11g CH 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		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4914.51	45.29	74.00	-28.71	41.18	5.76	32.84	34.49	99	148	Peak	HORIZONTAL
2	4928.78	32.25	54.00	-21.75	28.07	5.79	32.88	34.49	99	148	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4927.97	33.20	54.00	-20.80	29.02	5.79	32.88	34.49	190	181	Average	VERTICAL
2	4929.64	46.02	74.00	-27.98	41.84	5.79	32.88	34.49	190	181	Peak	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. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 10.5 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	4827.49	32.48	54.00	-21.52	28.71	5.60	32.69	34.52	138	141	Average	HORIZONTAL
2	4829.10	46.53	74.00	-27.47	42.76	5.60	32.69	34.52	138	141	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	4824.00	33.63	54.00	-20.37	29.86	5.60	32.69	34.52	181	195	Average	VERTICAL
2	4824.03	44.58	74.00	-29.42	40.81	5.60	32.69	34.52	181	195	Peak	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. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 10.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4876.63	47.38	74.00	-26.62	43.41	5.70	32.78	34.51	167	147	Peak	HORIZONTAL
2	4876.63	34.19	54.00	-19.81	30.22	5.70	32.78	34.51	167	147	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4876.69	51.96	74.00	-22.04	47.99	5.70	32.78	34.51	187	130	Peak	VERTICAL
2	4877.33	37.90	54.00	-16.10	33.93	5.70	32.78	34.51	187	130	Average	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. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 10.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4925.29	44.63	74.00	-29.37	40.45	5.79	32.88	34.49	164	146	Peak	HORIZONTAL
2	4931.76	31.90	54.00	-22.10	27.72	5.79	32.88	34.49	164	146	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4929.87	32.04	54.00	-21.96	27.86	5.79	32.88	34.49	178	166	Average	VERTICAL
2	4931.76	44.44	74.00	-29.56	40.26	5.79	32.88	34.49	178	166	Peak	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. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 10.5 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	4842.39	31.81	54.00	-22.19	27.97	5.63	32.72	34.51	165	150	Average	HORIZONTAL
2	4842.64	44.91	74.00	-29.09	41.07	5.63	32.72	34.51	165	150	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	4844.71	31.97	54.00	-22.03	28.13	5.63	32.72	34.51	182	150	Average	VERTICAL
2	4845.68	45.53	74.00	-28.47	41.69	5.63	32.72	34.51	182	150	Peak	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. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 10.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4871.93	45.23	74.00	-28.77	41.26	5.70	32.78	34.51	170	150	Peak	HORIZONTAL
2	4874.83	31.63	54.00	-22.37	27.66	5.70	32.78	34.51	170	150	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4872.65	31.71	54.00	-22.29	27.74	5.70	32.78	34.51	181	150	Average	VERTICAL
2	4873.88	44.78	74.00	-29.22	40.81	5.70	32.78	34.51	181	150	Peak	VERTICAL

Temperature	25°C	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. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 10.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4901.70	45.08	74.00	-28.92	40.98	5.76	32.84	34.50	142	150	Peak	HORIZONTAL
2	4905.15	31.70	54.00	-22.30	27.60	5.76	32.84	34.50	142	150	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4903.33	31.54	54.00	-22.46	27.44	5.76	32.84	34.50	178	150	Average	VERTICAL
2	4905.93	45.33	74.00	-28.67	41.23	5.76	32.84	34.50	178	150	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 5: EUT 1 + Set 7 Sector Antenna / 5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	4823.99	48.29	54.00	-5.71	44.52	5.60	32.69	34.52	161	152 Average	HORIZONTAL
2	4824.01	52.23	74.00	-21.77	48.46	5.60	32.69	34.52	161	152 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	4823.96	51.72	54.00	-2.28	47.95	5.60	32.69	34.52	176	167 Average	VERTICAL
2	4824.01	54.90	74.00	-19.10	51.13	5.60	32.69	34.52	176	167 Peak	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. 21, 2015		
Test Mode	Mode 5: EUT 1 + Set 7 Sector Antenna / 5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4873.98	49.32	54.00	-4.68	45.35	5.70	32.78	34.51	156	174	Average	HORIZONTAL
2	4874.04	52.76	74.00	-21.24	48.79	5.70	32.78	34.51	156	174	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4873.98	52.90	54.00	-1.10	48.93	5.70	32.78	34.51	176	159	Average	VERTICAL
2	4874.08	55.56	74.00	-18.44	51.59	5.70	32.78	34.51	176	159	Peak	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 5: EUT 1 + Set 7 Sector Antenna / 5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4923.96	52.85	74.00	-21.15	48.67	5.79	32.88	34.49	156	178	Peak	HORIZONTAL
2	4923.96	49.07	54.00	-4.93	44.89	5.79	32.88	34.49	156	178	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4923.98	55.82	74.00	-18.18	51.64	5.79	32.88	34.49	174	169	Peak	VERTICAL
2	4924.00	52.13	54.00	-1.87	47.95	5.79	32.88	34.49	174	169	Average	VERTICAL

Temperature	25°C	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 5: EUT 1 + Set 7 Sector Antenna / 5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4826.24	33.28	54.00	-20.72	29.51	5.60	32.69	34.52	308	173	Average	HORIZONTAL
2	4826.52	45.54	74.00	-28.46	41.77	5.60	32.69	34.52	308	173	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4826.20	37.49	54.00	-16.51	33.72	5.60	32.69	34.52	174	173	Average	VERTICAL
2	4826.84	50.83	74.00	-23.17	47.06	5.60	32.69	34.52	174	173	Peak	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 5: EUT 1 + Set 7 Sector Antenna / 5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4876.28	44.34	54.00	-9.66	40.37	5.70	32.78	34.51	153	138	Average	HORIZONTAL
2	4876.68	57.69	74.00	-16.31	53.72	5.70	32.78	34.51	153	138	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4875.32	61.01	74.00	-12.99	57.04	5.70	32.78	34.51	171	160	Peak	VERTICAL
2	4876.28	47.30	54.00	-6.70	43.33	5.70	32.78	34.51	171	160	Average	VERTICAL

Temperature	25°C	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 5: EUT 1 + Set 7 Sector Antenna / 5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4920.40	45.71	74.00	-28.29	41.53	5.79	32.88	34.49	204	177	Peak	HORIZONTAL
2	4926.76	33.55	54.00	-20.45	29.37	5.79	32.88	34.49	204	177	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4926.72	50.53	74.00	-23.47	46.35	5.79	32.88	34.49	177	179	Peak	VERTICAL
2	4927.00	36.90	54.00	-17.10	32.72	5.79	32.88	34.49	177	179	Average	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 5: EUT 1 + Set 7 Sector Antenna / 5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4826.48	47.32	74.00	-26.68	43.55	5.60	32.69	34.52	134	144	Peak	HORIZONTAL
2	4826.88	34.45	54.00	-19.55	30.68	5.60	32.69	34.52	134	144	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4826.60	46.07	74.00	-27.93	42.30	5.60	32.69	34.52	290	230	Peak	VERTICAL
2	4827.24	33.93	54.00	-20.07	30.16	5.60	32.69	34.52	290	230	Average	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 5: EUT 1 + Set 7 Sector Antenna / 5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4876.60	57.61	74.00	-16.39	53.64	5.70	32.78	34.51	154	150	Peak	HORIZONTAL
2	4877.00	42.96	54.00	-11.04	38.99	5.70	32.78	34.51	154	150	Average	HORIZONTAL
3	7310.20	51.80	74.00	-22.20	42.52	6.81	37.23	34.76	254	166	Peak	HORIZONTAL
4	7312.92	37.82	54.00	-16.18	28.54	6.81	37.23	34.76	254	166	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4876.56	62.62	74.00	-11.38	58.65	5.70	32.78	34.51	203	228	Peak	VERTICAL
2	4877.04	48.01	54.00	-5.99	44.04	5.70	32.78	34.51	203	228	Average	VERTICAL
3	7310.44	38.19	54.00	-15.81	28.91	6.81	37.23	34.76	161	182	Average	VERTICAL
4	7312.30	51.80	74.00	-22.20	42.52	6.81	37.23	34.76	161	182	Peak	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 5: EUT 1 + Set 7 Sector Antenna / 5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4926.90	36.13	54.00	-17.87	31.95	5.79	32.88	34.49	137	228	Average	HORIZONTAL
2	4927.90	47.88	74.00	-26.12	43.70	5.79	32.88	34.49	137	228	Peak	HORIZONTAL
3	7384.56	51.71	74.00	-22.29	42.32	6.80	37.36	34.77	225	197	Peak	HORIZONTAL
4	7390.26	38.36	54.00	-15.64	28.97	6.80	37.36	34.77	225	197	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4927.50	49.03	74.00	-24.97	44.85	5.79	32.88	34.49	180	195	Peak	VERTICAL
2	4927.80	37.69	54.00	-16.31	33.51	5.79	32.88	34.49	180	195	Average	VERTICAL
3	7382.66	51.12	74.00	-22.88	41.76	6.80	37.33	34.77	162	173	Peak	VERTICAL
4	7390.74	38.59	54.00	-15.41	29.20	6.80	37.36	34.77	162	173	Average	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 5: EUT 1 + Set 7 Sector Antenna / 5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	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	Over	Read	Cable	Antenna	Preamp	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	Over	Read	Cable	Antenna	Preamp	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	Over	Read	Cable	Antenna	Preamp	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°C	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	CableAntenna Loss 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	CableAntenna Loss 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	CableAntenna Loss 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	CableAntenna Loss 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°C	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	CableAntenna Loss	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	4876.24	39.13	54.00	-14.87	34.69	5.92	33.53	35.01	Average	244	40
2	4876.89	52.19	74.00	-21.81	47.75	5.92	33.53	35.01	Peak	244	40
3	7311.45	49.69	74.00	-24.31	41.46	7.13	36.38	35.28	Peak	157	172
4	7314.52	36.94	54.00	-17.06	28.71	7.13	36.38	35.28	Average	157	172

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	4876.17	41.58	54.00	-12.42	37.14	5.92	33.53	35.01	Average	217	179
2	4876.89	55.56	74.00	-18.44	51.12	5.92	33.53	35.01	Peak	217	179
3	7306.60	37.12	54.00	-16.88	28.89	7.13	36.38	35.28	Average	171	224
4	7315.95	50.24	74.00	-23.76	41.96	7.14	36.42	35.28	Peak	171	224

Temperature	25°C	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	CableAntenna Loss 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	CableAntenna Loss 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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	CableAntenna Loss	Preamp 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	CableAntenna Loss	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°C	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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°C	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	Over	Read	CableAntenna	Preamp		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	154	156	HORIZONTAL
2	4824.64	46.55	74.00	-27.45	42.27	5.87	33.42	35.01	154	156	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		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	151	162	VERTICAL
2	4824.20	46.80	74.00	-27.20	42.52	5.87	33.42	35.01	151	162	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. 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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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°C	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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°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. 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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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°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. 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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		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	Over	Read	CableAntenna	Preamp		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	Over	Read	CableAntenna	Preamp		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	Over	Read	CableAntenna	Preamp		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°C	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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:

- The test procedure is the same as section 4.5.3.

For Radiated Out of Band Emission Measurement:

- 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	Over	Read	CableAntenna	Preamp		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	100	194	VERTICAL
2	2383.60	52.61	54.00	-1.39	20.35	4.08	28.18	0.00	100	194	VERTICAL
3	2412.80	116.08			83.73	4.11	28.24	0.00	100	194	VERTICAL
4	2413.00	120.10			87.75	4.11	28.24	0.00	100	194	VERTICAL

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

Channel 6

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		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	190	198	VERTICAL
2	2389.80	58.85	74.00	-15.15	26.55	4.09	28.21	0.00	190	198	VERTICAL
3	2437.80	115.33			82.89	4.13	28.31	0.00	190	198	VERTICAL
4	2438.20	119.19			86.75	4.13	28.31	0.00	190	198	VERTICAL
5	2483.50	58.76	74.00	-15.24	26.23	4.16	28.37	0.00	190	198	VERTICAL
6	2484.20	50.14	54.00	-3.86	17.61	4.16	28.37	0.00	190	198	VERTICAL

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

Channel 11

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		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	202	187	VERTICAL
2	2461.40	112.20			79.72	4.14	28.34	0.00	202	187	VERTICAL
3	2483.50	52.69	54.00	-1.31	20.16	4.16	28.37	0.00	202	187	VERTICAL
4	2483.50	59.98	74.00	-14.02	27.45	4.16	28.37	0.00	202	187	VERTICAL

Item 1, 2 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 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 4 dBi		

Channel 1

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	Pol/Phase
1	2389.80	65.80	74.00	-8.20	33.50	4.09	28.21	0.00	147	196	VERTICAL
2	2390.00	52.78	54.00	-1.22	20.48	4.09	28.21	0.00	147	196	VERTICAL
3	2409.00	114.29			81.94	4.11	28.24	0.00	147	196	VERTICAL
4	2409.40	102.08			69.73	4.11	28.24	0.00	147	196	VERTICAL

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

Channel 6

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	Pol/Phase
1	2389.80	61.87	74.00	-12.13	29.57	4.09	28.21	0.00	137	194	VERTICAL
2	2390.00	49.33	54.00	-4.67	17.03	4.09	28.21	0.00	137	194	VERTICAL
3	2438.20	109.85			77.41	4.13	28.31	0.00	137	194	VERTICAL
4	2438.20	120.80			88.36	4.13	28.31	0.00	137	194	VERTICAL
5	2483.50	49.25	54.00	-4.75	16.72	4.16	28.37	0.00	137	194	VERTICAL
6	2496.20	62.60	74.00	-11.40	30.03	4.17	28.40	0.00	137	194	VERTICAL

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

Channel 11

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	Pol/Phase
1	2458.60	101.08			68.60	4.14	28.34	0.00	172	182	VERTICAL
2	2458.80	113.86			81.38	4.14	28.34	0.00	172	182	VERTICAL
3	2483.50	52.86	54.00	-1.14	20.33	4.16	28.37	0.00	172	182	VERTICAL
4	2483.50	66.55	74.00	-7.45	34.02	4.16	28.37	0.00	172	182	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 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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	Pol/Phase
1	2386.00	52.75	54.00	-1.25	20.45	4.09	28.21	0.00	148	168	VERTICAL
2	2386.00	64.28	74.00	-9.72	31.98	4.09	28.21	0.00	148	168	VERTICAL
3	2425.20	95.44			63.04	4.12	28.28	0.00	148	168	VERTICAL
4	2425.20	106.27			73.87	4.12	28.28	0.00	148	168	VERTICAL

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

Channel 6

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	Pol/Phase
1	2389.80	63.25	74.00	-10.75	30.95	4.09	28.21	0.00	105	194	VERTICAL
2	2390.00	52.93	54.00	-1.07	20.63	4.09	28.21	0.00	105	194	VERTICAL
3	2424.60	102.31			69.91	4.12	28.28	0.00	105	194	VERTICAL
4	2424.60	112.28			79.88	4.12	28.28	0.00	105	194	VERTICAL
5	2483.60	51.45	54.00	-2.55	18.92	4.16	28.37	0.00	105	194	VERTICAL
6	2483.60	61.45	74.00	-12.55	28.92	4.16	28.37	0.00	105	194	VERTICAL

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

Channel 9

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	Pol/Phase
1	2455.60	104.48			72.00	4.14	28.34	0.00	148	152	VERTICAL
2	2456.80	92.87			60.39	4.14	28.34	0.00	148	152	VERTICAL
3	2484.40	52.96	54.00	-1.04	20.43	4.16	28.37	0.00	148	152	VERTICAL
4	2484.80	65.12	74.00	-8.88	32.59	4.16	28.37	0.00	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°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. 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	CableAntenna Loss	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	CableAntenna Loss	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	CableAntenna Loss	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°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. 25, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 7.5 dBi		

Channel 1

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		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	166	0	VERTICAL
2	2390.00	66.37	74.00	-7.63	34.07	4.09	28.21	0.00	166	0	VERTICAL
3	2410.26	114.56			82.21	4.11	28.24	0.00	166	0	VERTICAL
4	2410.55	103.47			71.12	4.11	28.24	0.00	166	0	VERTICAL

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

Channel 6

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		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	156	3	VERTICAL
2	2390.00	65.60	74.00	-8.40	33.30	4.09	28.21	0.00	156	3	VERTICAL
3	2428.90	112.32			79.92	4.12	28.28	0.00	156	3	VERTICAL
4	2430.63	124.13			91.73	4.12	28.28	0.00	156	3	VERTICAL
5	2487.84	66.63	74.00	-7.37	34.06	4.17	28.40	0.00	156	3	VERTICAL
6	2488.71	52.68	54.00	-1.32	20.11	4.17	28.40	0.00	156	3	VERTICAL

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

Channel 11

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		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	177	0	HORIZONTAL
2	2463.74	114.44			81.96	4.14	28.34	0.00	177	0	HORIZONTAL
3	2483.79	52.59	54.00	-1.41	20.06	4.16	28.37	0.00	177	0	HORIZONTAL
4	2484.08	64.93	74.00	-9.07	32.40	4.16	28.37	0.00	177	0	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 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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	Pol/Phase
1	2390.00	52.82	54.00	-1.18	20.52	4.09	28.21	0.00	100	0	HORIZONTAL
2	2390.00	65.88	74.00	-8.12	33.58	4.09	28.21	0.00	100	0	HORIZONTAL
3	2429.81	109.70			77.30	4.12	28.28	0.00	100	0	HORIZONTAL
4	2430.10	99.71			67.31	4.12	28.28	0.00	100	0	HORIZONTAL

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

Channel 6

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	Pol/Phase
1	2383.92	59.81	74.00	-14.19	27.55	4.08	28.18	0.00	177	2	HORIZONTAL
2	2390.00	47.91	54.00	-6.09	15.61	4.09	28.21	0.00	177	2	HORIZONTAL
3	2442.21	113.50			81.06	4.13	28.31	0.00	177	2	HORIZONTAL
4	2442.60	103.38			70.94	4.13	28.31	0.00	177	2	HORIZONTAL
5	2483.50	52.91	54.00	-1.09	20.38	4.16	28.37	0.00	177	2	HORIZONTAL
6	2483.50	66.91	74.00	-7.09	34.38	4.16	28.37	0.00	177	2	HORIZONTAL

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

Channel 9

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	Pol/Phase
1	2457.21	111.00			78.52	4.14	28.34	0.00	153	359	VERTICAL
2	2457.79	101.32			68.84	4.14	28.34	0.00	153	359	VERTICAL
3	2484.37	48.75	54.00	-5.25	16.22	4.16	28.37	0.00	153	359	VERTICAL
4	2496.24	62.28	74.00	-11.72	29.71	4.17	28.40	0.00	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°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. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 1

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	Pol/Phase
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°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. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 1

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	Pol/Phase
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°C	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	Pol/Phase
1	2387.39	52.87	54.00	-1.13	20.57	4.09	28.21	0.00	300	182	VERTICAL
2	2388.67	65.29	74.00	-8.71	32.99	4.09	28.21	0.00	300	182	VERTICAL
3	2427.13	108.39			75.99	4.12	28.28	0.00	300	182	VERTICAL
4	2427.40	98.57			66.17	4.12	28.28	0.00	300	182	VERTICAL

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

Channel 6

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	Pol/Phase
1	2387.00	50.56	54.00	-3.44	18.26	4.09	28.21	0.00	258	150	VERTICAL
2	2387.00	62.27	74.00	-11.73	29.97	4.09	28.21	0.00	258	150	VERTICAL
3	2444.37	112.28			79.84	4.13	28.31	0.00	258	150	VERTICAL
4	2445.01	103.53			71.09	4.13	28.31	0.00	258	150	VERTICAL
5	2483.80	52.54	54.00	-1.46	20.01	4.16	28.37	0.00	258	150	VERTICAL
6	2484.12	63.77	74.00	-10.23	31.24	4.16	28.37	0.00	258	150	VERTICAL

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

Channel 9

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	Pol/Phase
1	2446.87	109.96			77.52	4.13	28.31	0.00	244	182	VERTICAL
2	2447.51	99.86			67.42	4.13	28.31	0.00	244	182	VERTICAL
3	2487.26	52.66	54.00	-1.34	20.13	4.16	28.37	0.00	244	182	VERTICAL
4	2487.58	65.51	74.00	-8.49	32.94	4.17	28.40	0.00	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°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 4: EUT 1 + Set 4 Sector Antenna / 10.5 dBi		

Channel 1

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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°C	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	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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°C	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	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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°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 6: EUT 1 + Set 8 Dipole Antenna / 4.66 dBi		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	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	CableAntenna Loss	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	CableAntenna Loss	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°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. 20, 2015 ~ Oct. 21, 2015		
Test Mode	Mode 6: EUT 1 + Set 8 Dipole Antenna / 4.66 dBi		

Channel 1

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	Pol/Phase
1	2390.00	52.21	54.00	-1.79	19.91	4.09	28.21	0.00	100	62	VERTICAL
2	2390.00	66.52	74.00	-7.48	34.22	4.09	28.21	0.00	100	62	VERTICAL
3	2409.68	115.17			82.82	4.11	28.24	0.00	100	62	VERTICAL
4	2409.97	105.04			72.69	4.11	28.24	0.00	100	62	VERTICAL

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

Channel 6

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	Pol/Phase
1	2389.42	66.15	74.00	-7.85	33.85	4.09	28.21	0.00	121	25	VERTICAL
2	2390.00	52.90	54.00	-1.10	20.60	4.09	28.21	0.00	121	25	VERTICAL
3	2433.53	125.79			93.39	4.12	28.28	0.00	121	25	VERTICAL
4	2433.82	115.57			83.17	4.12	28.28	0.00	121	25	VERTICAL
5	2494.02	51.97	54.00	-2.03	19.40	4.17	28.40	0.00	121	25	VERTICAL
6	2495.18	65.92	74.00	-8.08	33.35	4.17	28.40	0.00	121	25	VERTICAL

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

Channel 11

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	Pol/Phase
1	2469.24	102.64			70.16	4.14	28.34	0.00	109	3	VERTICAL
2	2469.53	112.39			79.91	4.14	28.34	0.00	109	3	VERTICAL
3	2483.50	52.82	54.00	-1.18	20.29	4.16	28.37	0.00	109	3	VERTICAL
4	2483.50	66.88	74.00	-7.12	34.35	4.16	28.37	0.00	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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°C	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	Pol/Phase
1	2388.71	52.81	54.00	-1.19	20.51	4.09	28.21	0.00	135	26	VERTICAL
2	2389.00	64.60	74.00	-9.40	32.30	4.09	28.21	0.00	135	26	VERTICAL
3	2428.95	99.83			67.43	4.12	28.28	0.00	135	26	VERTICAL
4	2429.53	109.46			77.06	4.12	28.28	0.00	135	26	VERTICAL

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

Channel 6

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

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

Channel 9

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	Pol/Phase
1	2444.47	110.39			77.95	4.13	28.31	0.00	107	207	VERTICAL
2	2445.05	100.33			67.89	4.13	28.31	0.00	107	207	VERTICAL
3	2484.42	52.14	54.00	-1.86	19.61	4.16	28.37	0.00	107	207	VERTICAL
4	2485.00	64.99	74.00	-9.01	32.46	4.16	28.37	0.00	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°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. 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	Over	Read	CableAntenna	Preamp		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	Over	Read	CableAntenna	Preamp		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	Over	Read	CableAntenna	Preamp		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°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. 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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		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	119	55	HORIZONTAL
2	2390.00	67.13	74.00	-6.87	34.83	4.09	28.21	0.00	119	55	HORIZONTAL
3	2408.38	115.04			82.69	4.11	28.24	0.00	119	55	HORIZONTAL
4	2409.25	103.60			71.25	4.11	28.24	0.00	119	55	HORIZONTAL

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

Channel 6

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		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	250	45	VERTICAL
2	2390.00	62.34	74.00	-11.66	30.04	4.09	28.21	0.00	250	45	VERTICAL
3	2441.05	111.97			79.53	4.13	28.31	0.00	250	45	VERTICAL
4	2441.05	122.90			90.46	4.13	28.31	0.00	250	45	VERTICAL
5	2483.50	52.04	54.00	-1.96	19.51	4.16	28.37	0.00	250	45	VERTICAL
6	2483.50	66.12	74.00	-7.88	33.59	4.16	28.37	0.00	250	45	VERTICAL

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

Channel 11

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		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	258	0	VERTICAL
2	2463.74	114.05			81.57	4.14	28.34	0.00	258	0	VERTICAL
3	2483.50	52.69	54.00	-1.31	20.16	4.16	28.37	0.00	258	0	VERTICAL
4	2483.50	65.90	74.00	-8.10	33.37	4.16	28.37	0.00	258	0	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 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	Over	Read	CableAntenna	Preamp		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	152	42	HORIZONTAL
2	2387.11	64.68	74.00	-9.32	32.38	4.09	28.21	0.00	152	42	HORIZONTAL
3	2426.34	99.41			67.01	4.12	28.28	0.00	152	42	HORIZONTAL
4	2426.92	109.39			76.99	4.12	28.28	0.00	152	42	HORIZONTAL

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

Channel 6

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		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	272	15	VERTICAL
2	2390.00	62.63	74.00	-11.37	30.33	4.09	28.21	0.00	272	15	VERTICAL
3	2443.66	102.17			69.73	4.13	28.31	0.00	272	15	VERTICAL
4	2444.53	111.77			79.33	4.13	28.31	0.00	272	15	VERTICAL
5	2483.50	52.77	54.00	-1.23	20.24	4.16	28.37	0.00	272	15	VERTICAL
6	2483.50	65.40	74.00	-8.60	32.87	4.16	28.37	0.00	272	15	VERTICAL

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

Channel 9

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		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	123	306	HORIZONTAL
2	2463.29	108.32			75.84	4.14	28.34	0.00	123	306	HORIZONTAL
3	2483.50	52.85	54.00	-1.15	20.32	4.16	28.37	0.00	123	306	HORIZONTAL
4	2483.50	64.85	74.00	-9.15	32.32	4.16	28.37	0.00	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

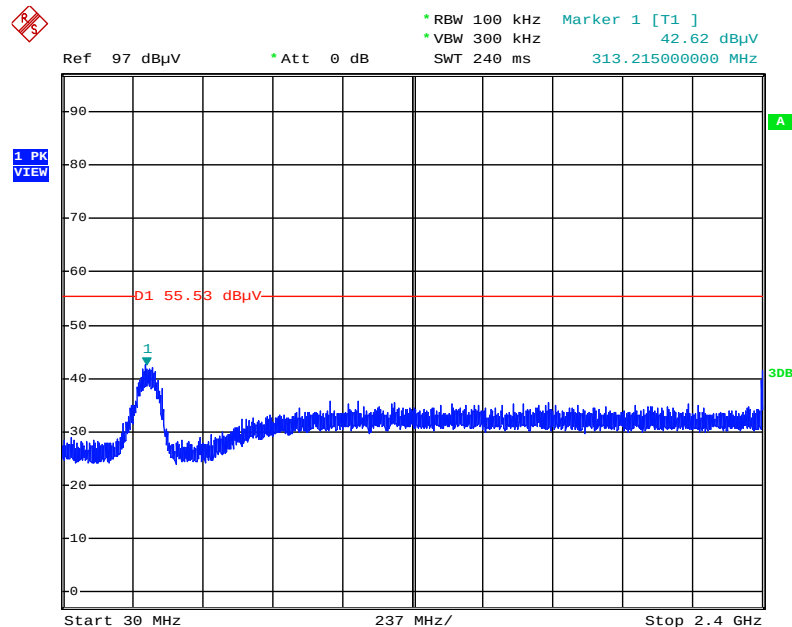
Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 4 dBi

Plot on Configuration IEEE 802.11b / Reference Level



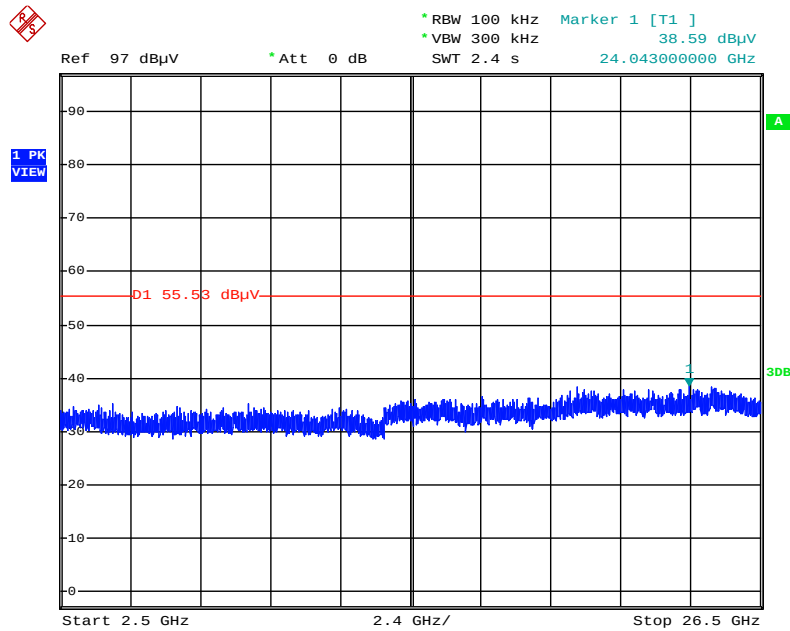
Date: 9.NOV.2015 18:34:50

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



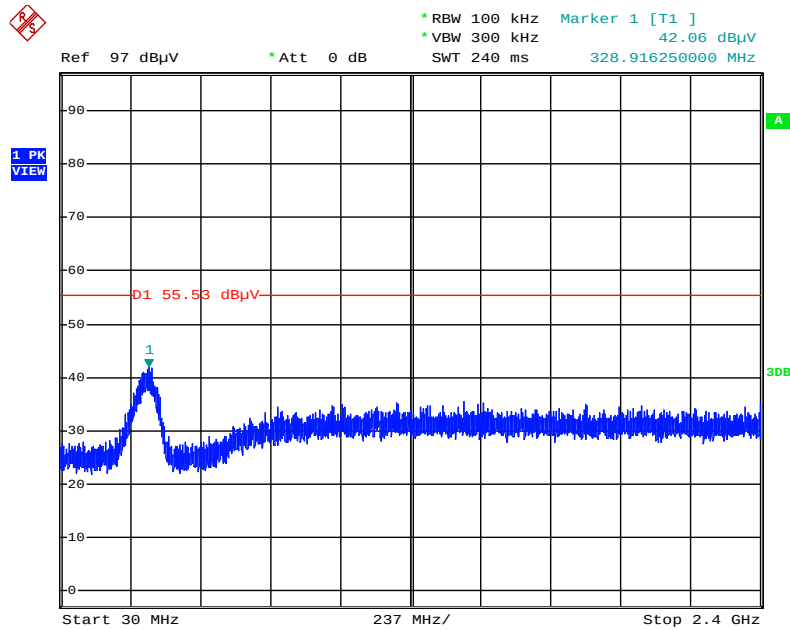
Date: 9.NOV.2015 18:37:05

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



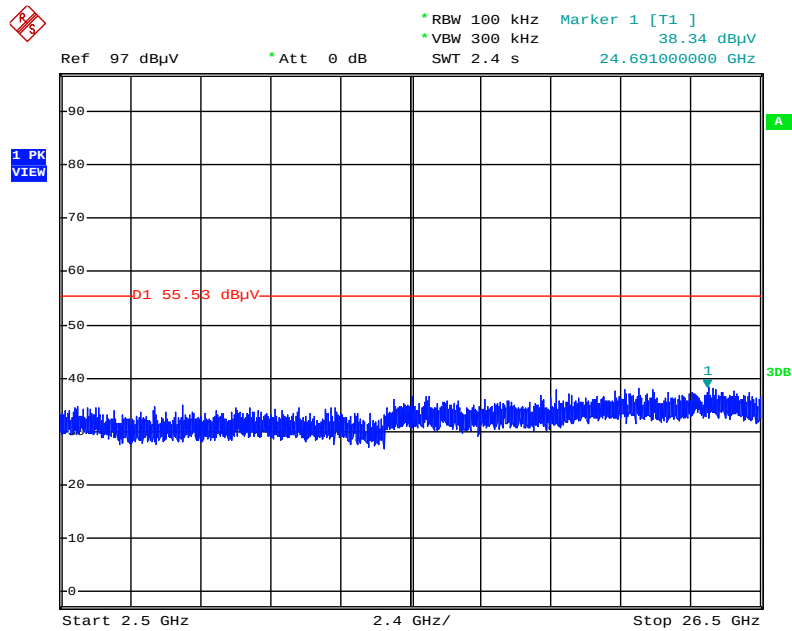
Date: 9.NOV.2015 18:37:41

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



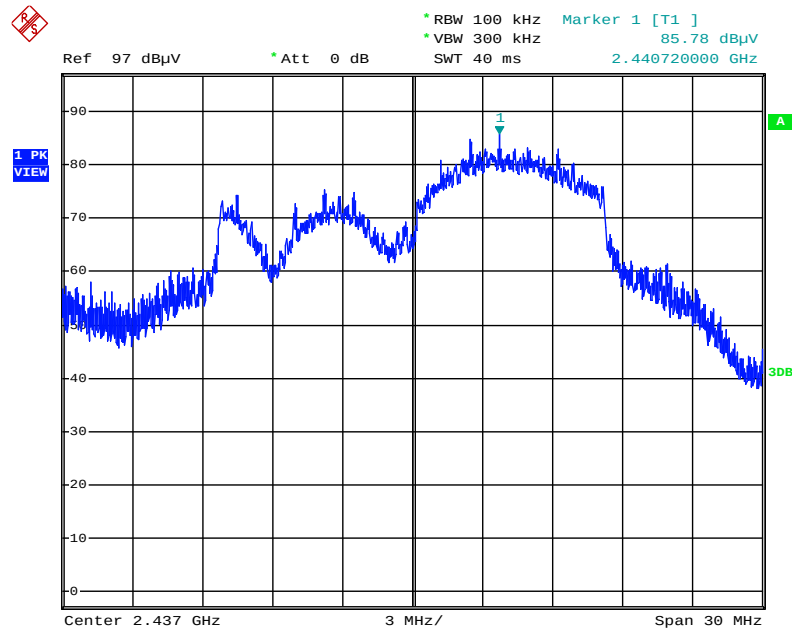
Date: 9.NOV.2015 18:38:55

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



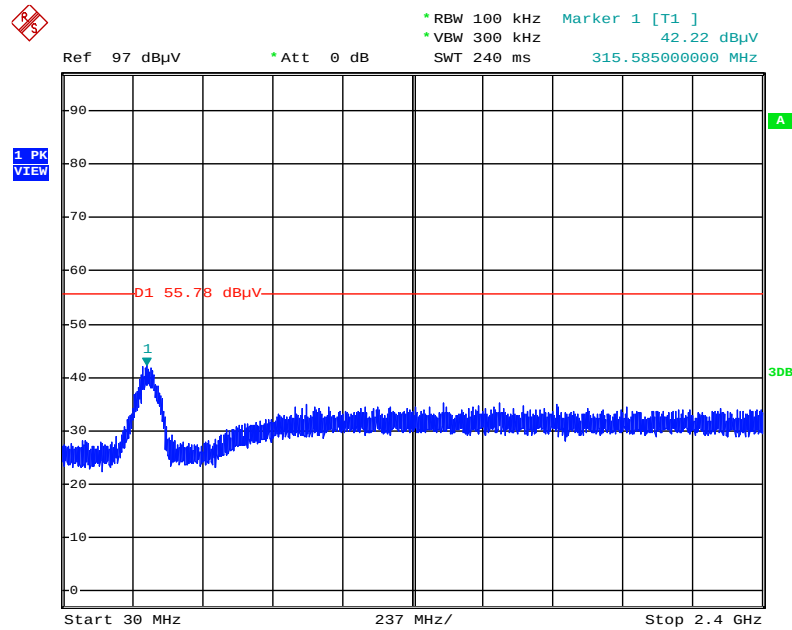
Date: 9.NOV.2015 18:38:30

Plot on Configuration IEEE 802.11g / Reference Level



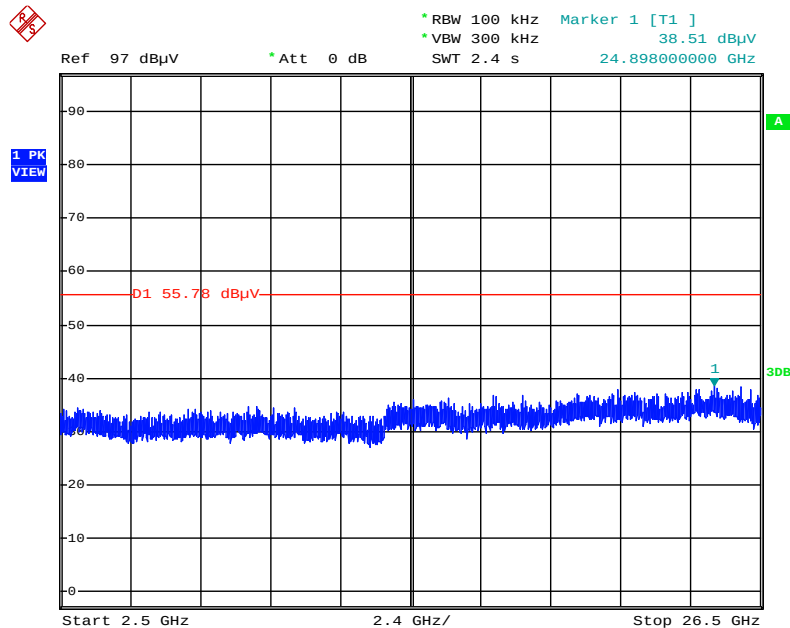
Date: 9.NOV.2015 18:44:48

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



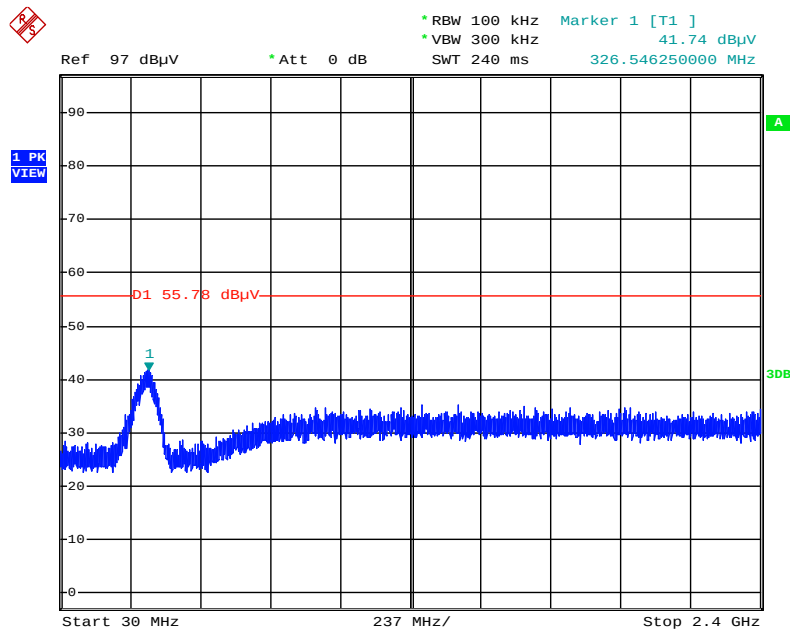
Date: 9.NOV.2015 18:45:46

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



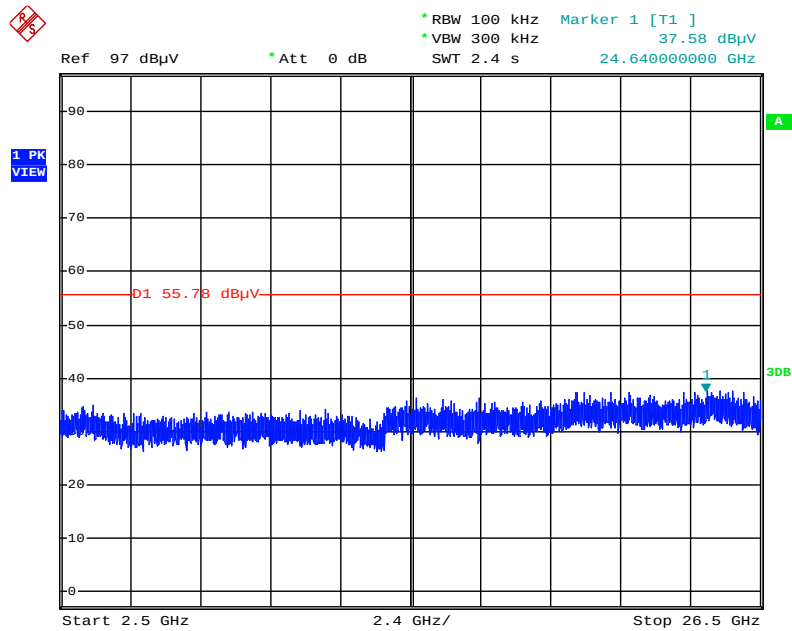
Date: 9.NOV.2015 18:46:13

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



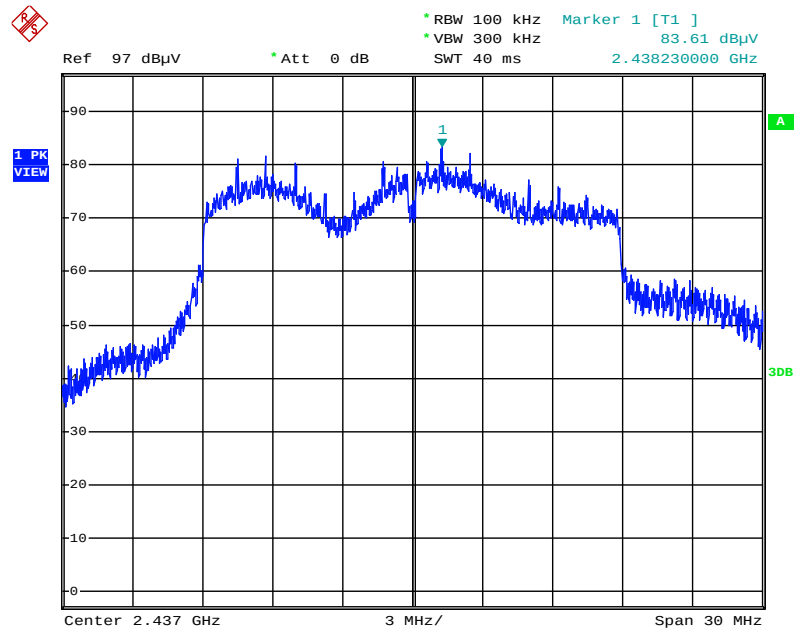
Date: 9.NOV.2015 18:47:14

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



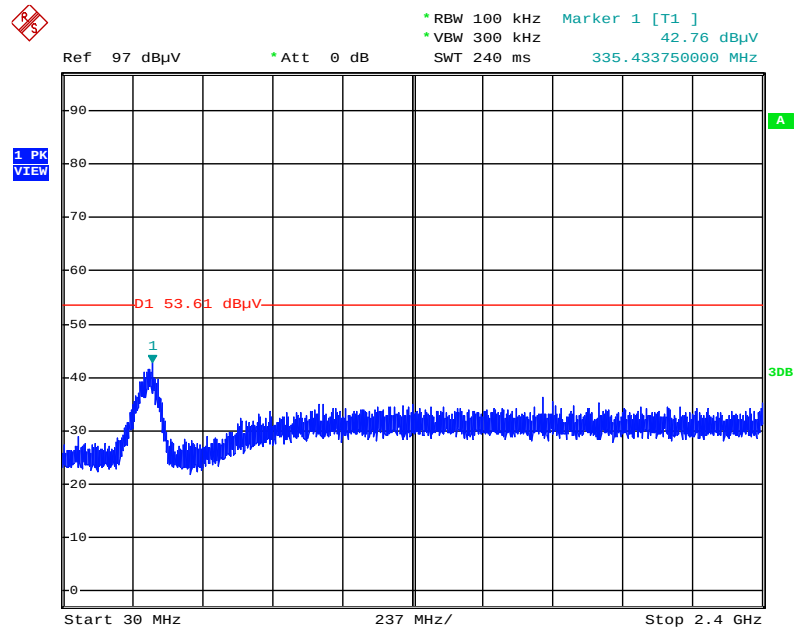
Date: 9.NOV.2015 18:46:45

Plot on Configuration IEEE 802.11n MCS0 HT20 / Reference Level



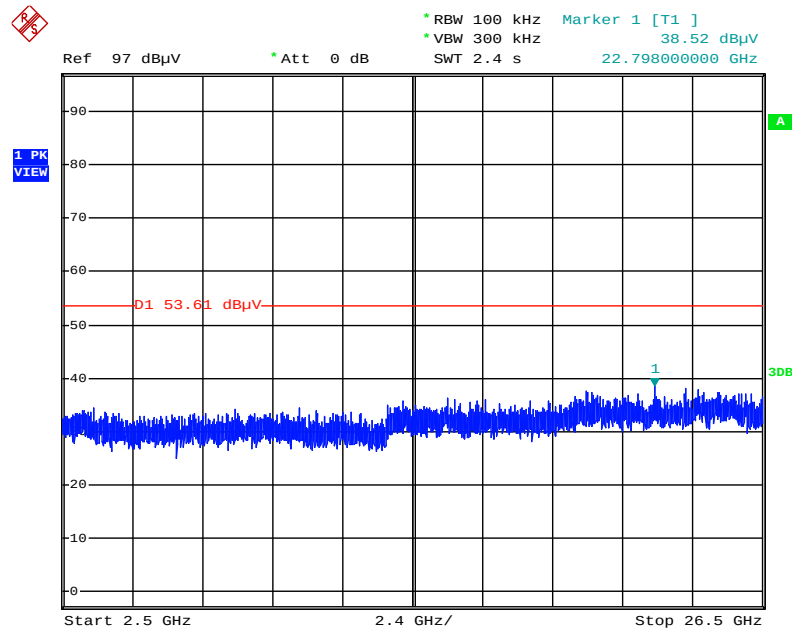
Date: 9.NOV.2015 18:48:36

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



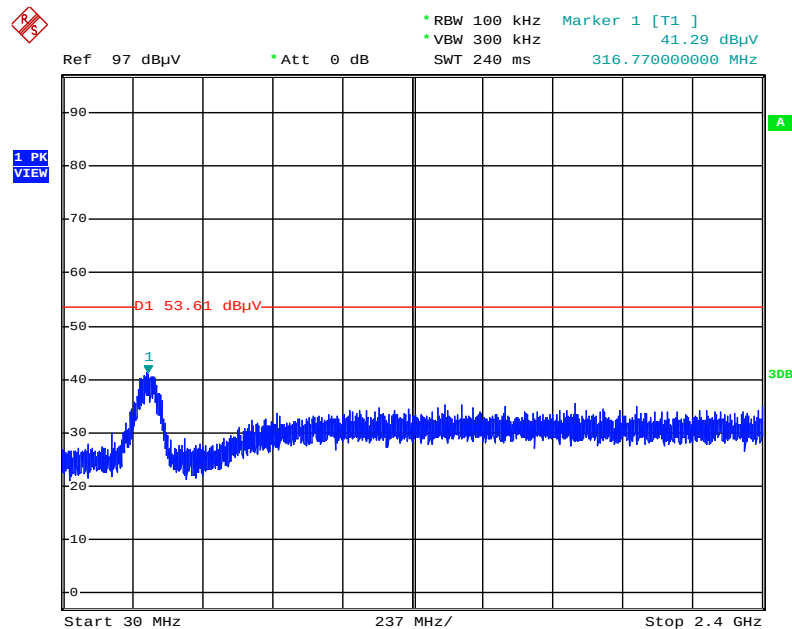
Date: 9.NOV.2015 18:49:25

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



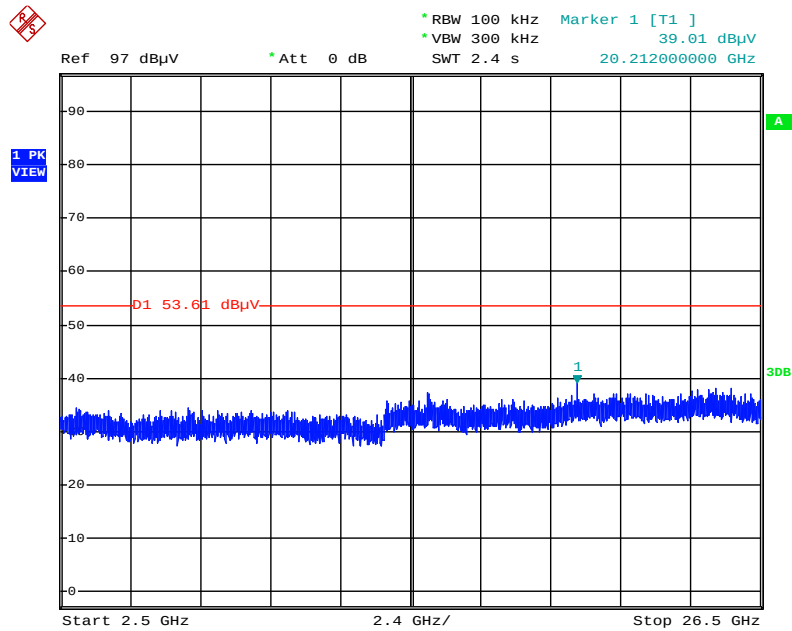
Date: 9.NOV.2015 18:49:51

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



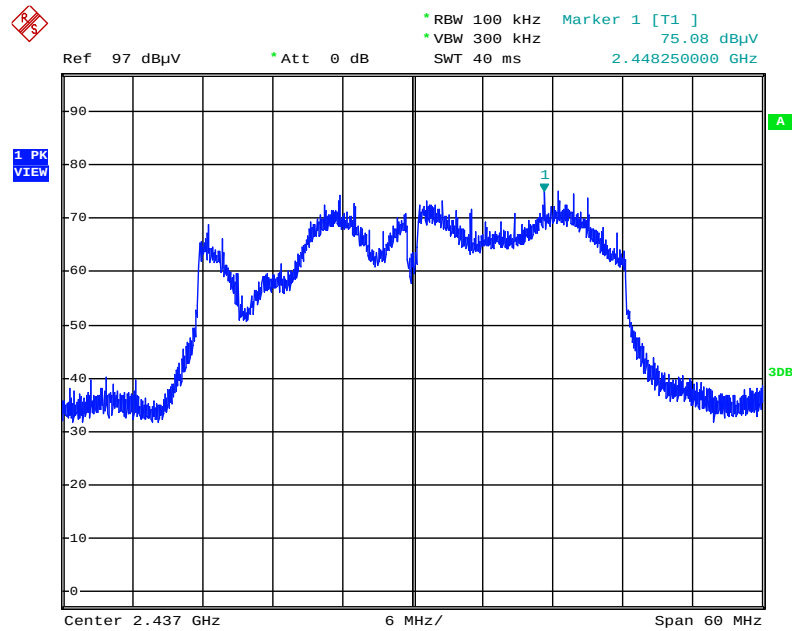
Date: 9.NOV.2015 18:50:54

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



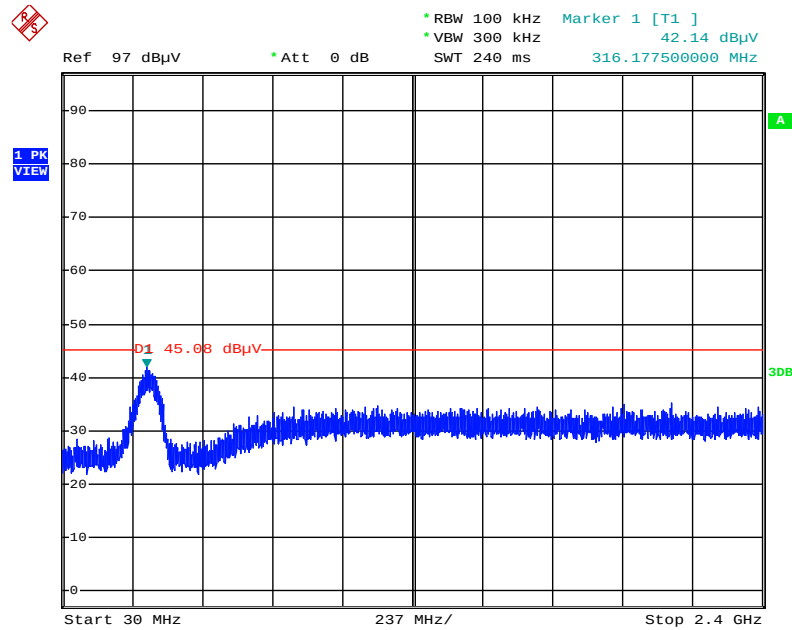
Date: 9.NOV.2015 18:50:25

Plot on Configuration IEEE 802.11n MCS0 HT40 / Reference Level



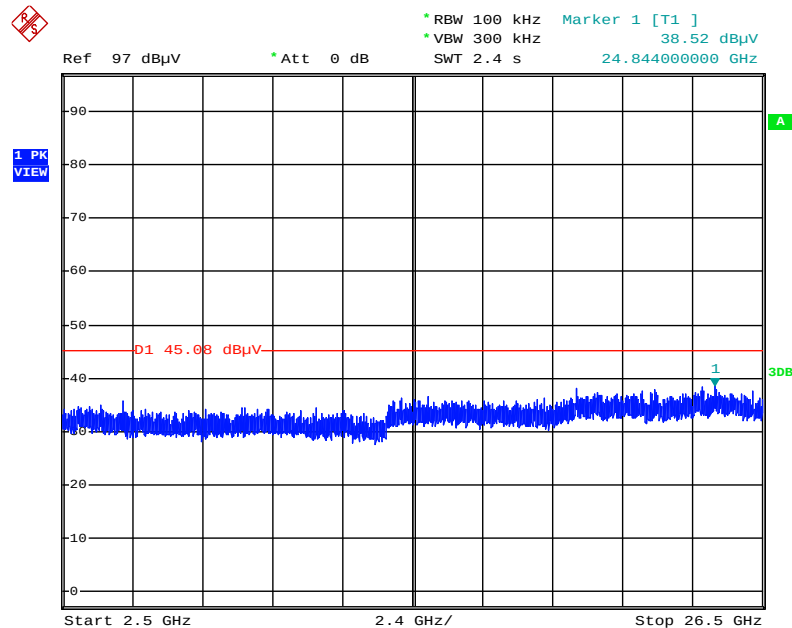
Date: 9.NOV.2015 18:53:37

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



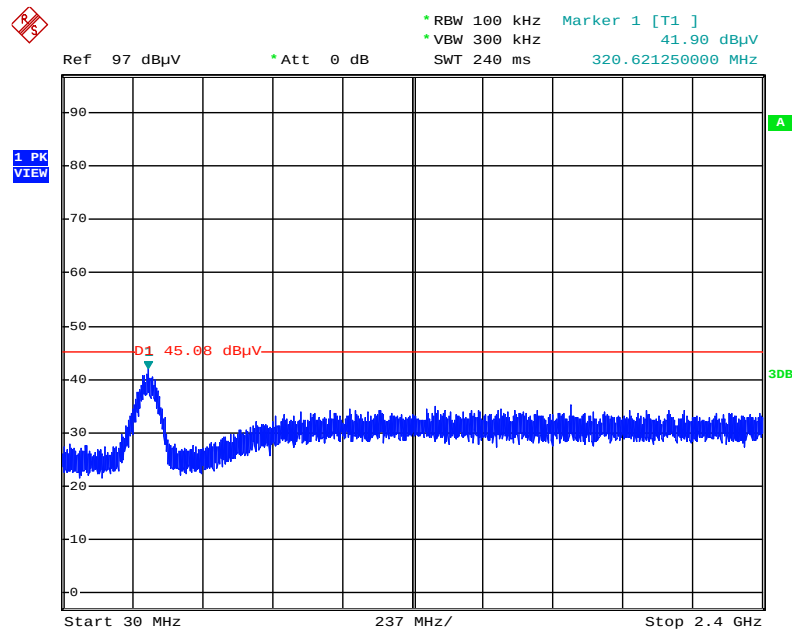
Date: 9.NOV.2015 18:55:57

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



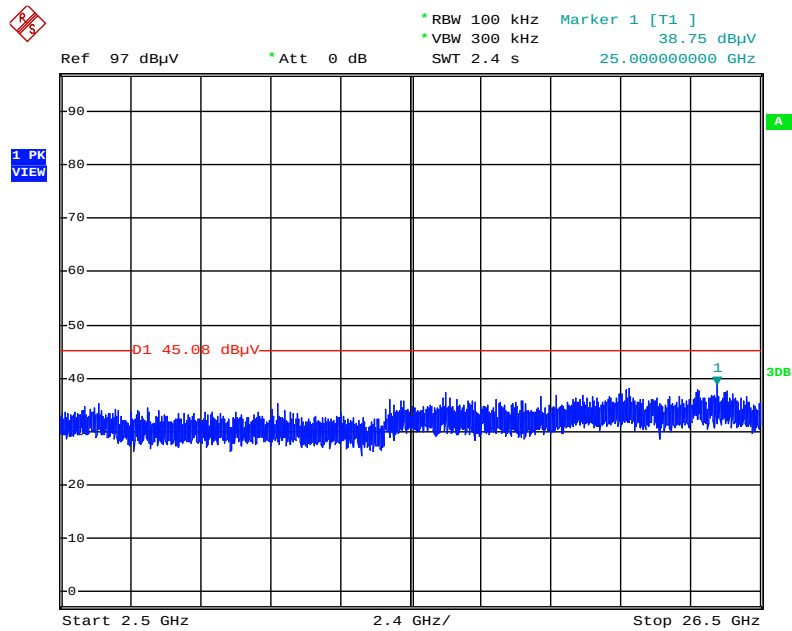
Date: 9.NOV.2015 18:56:22

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



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

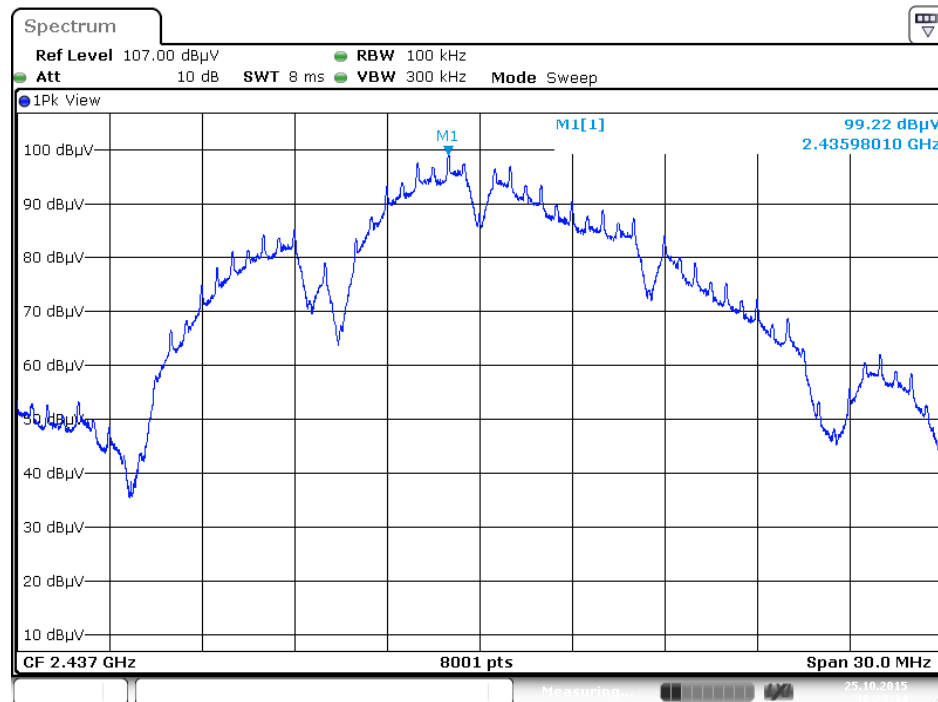
Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 9 / 2500MHz~26500MHz (down 30dBc)



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

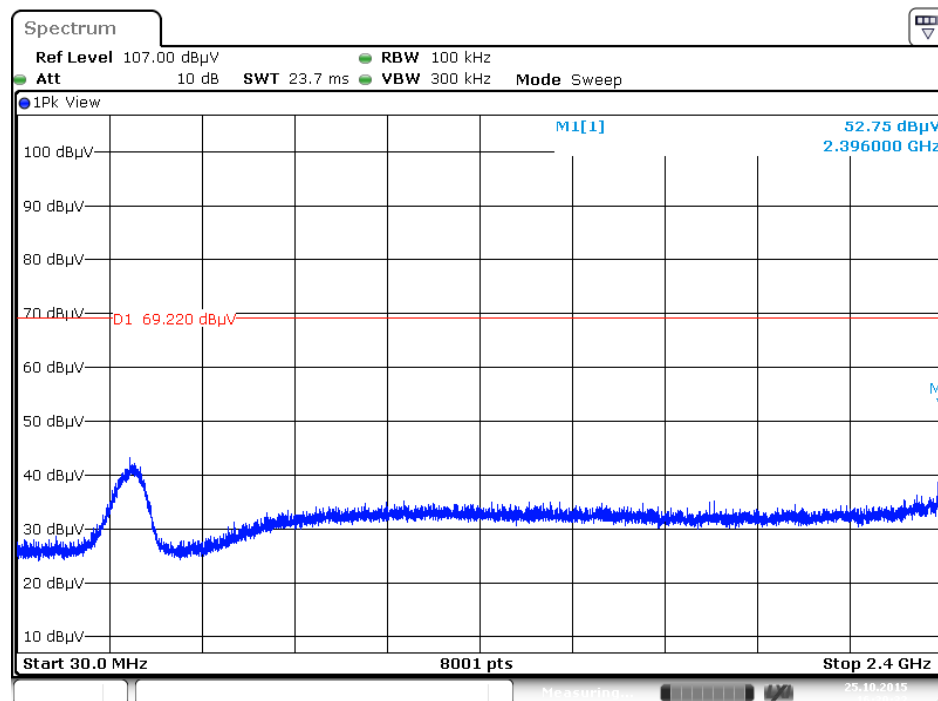
Mode 2: EUT 1 + Set 2 Sector Antenna / 7.5 dBi

Plot on Configuration IEEE 802.11b / Reference Level



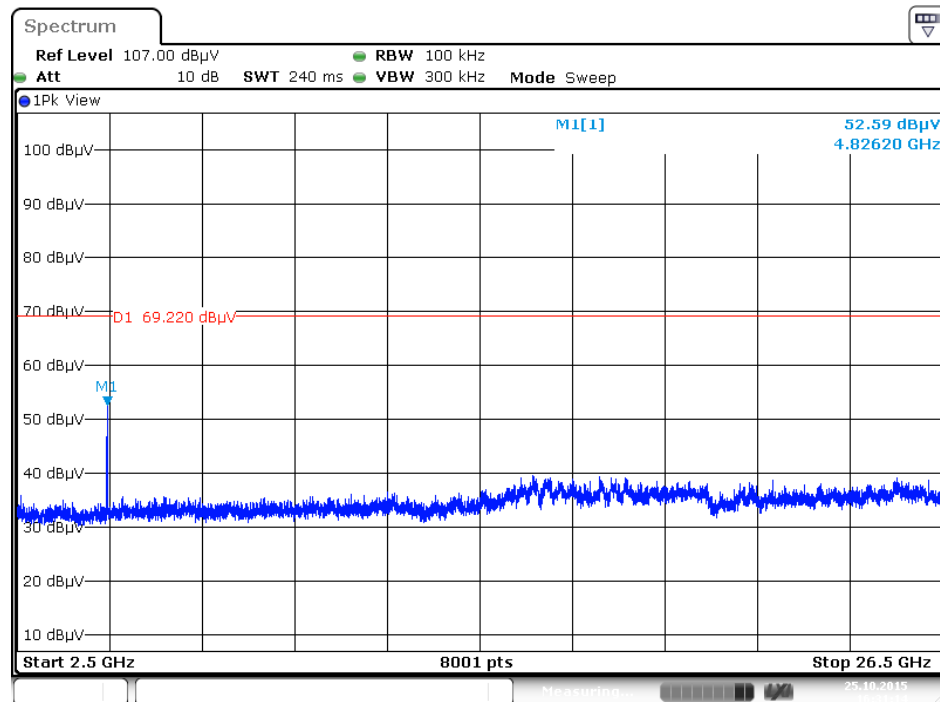
Date: 25.0 CT.2015 16:28:34

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



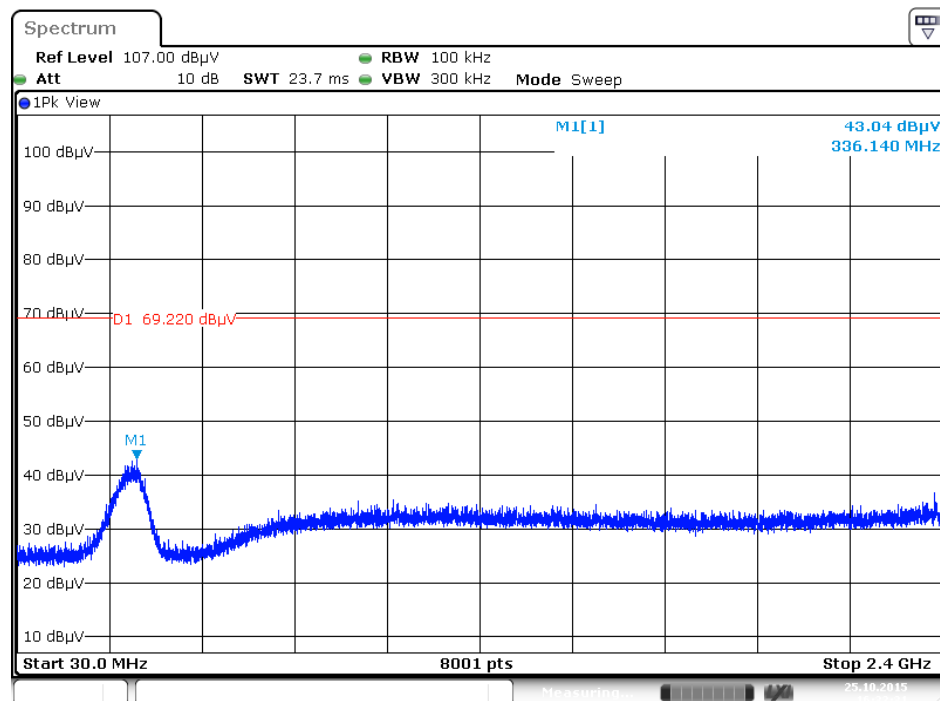
Date: 25.0 CT.2015 16:30:33

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



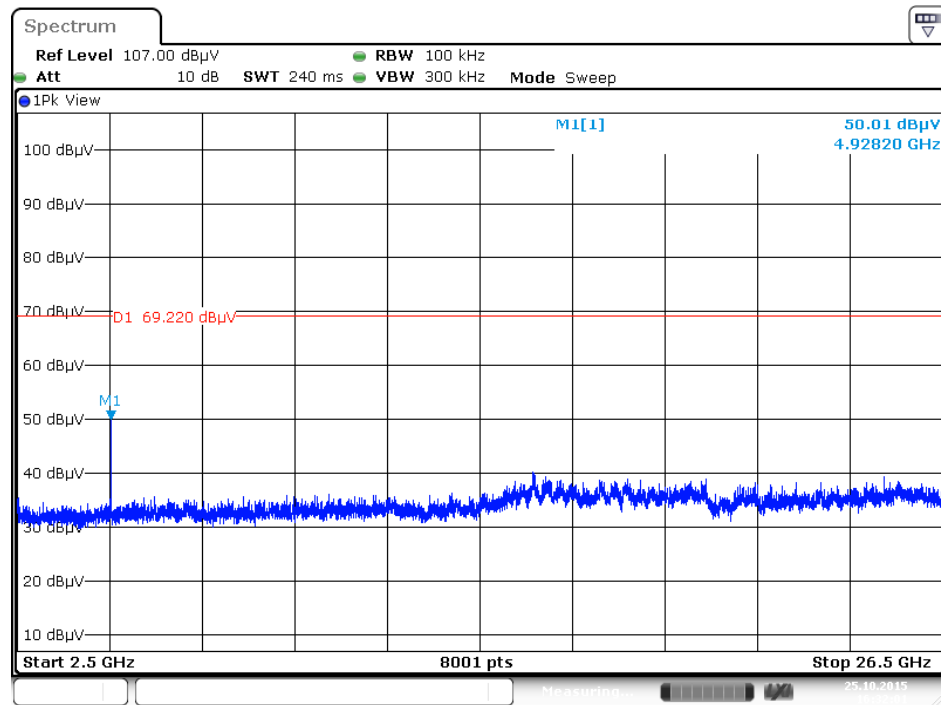
Date: 25.0 CT. 2015 16:31:14

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



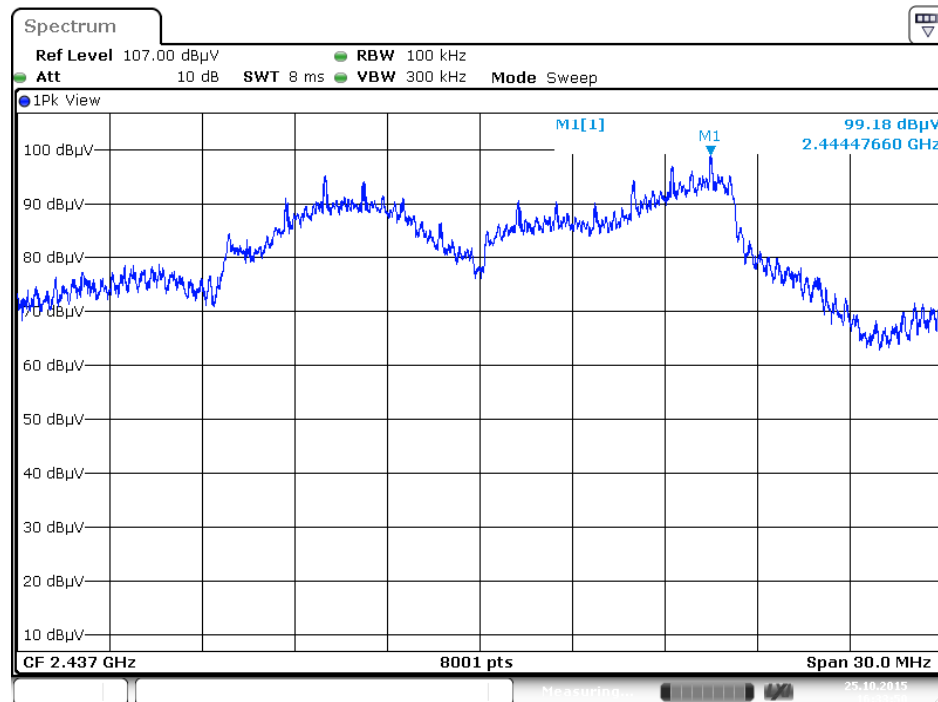
Date: 25.0 CT. 2015 16:32:31

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

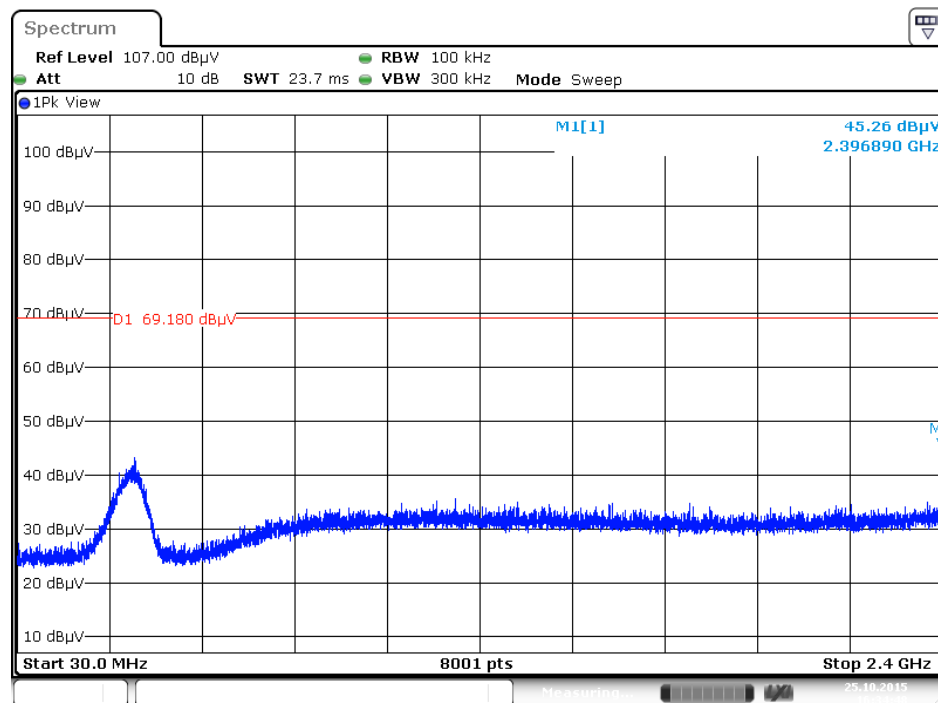


Date: 25.0 CT.2015 16:32:01

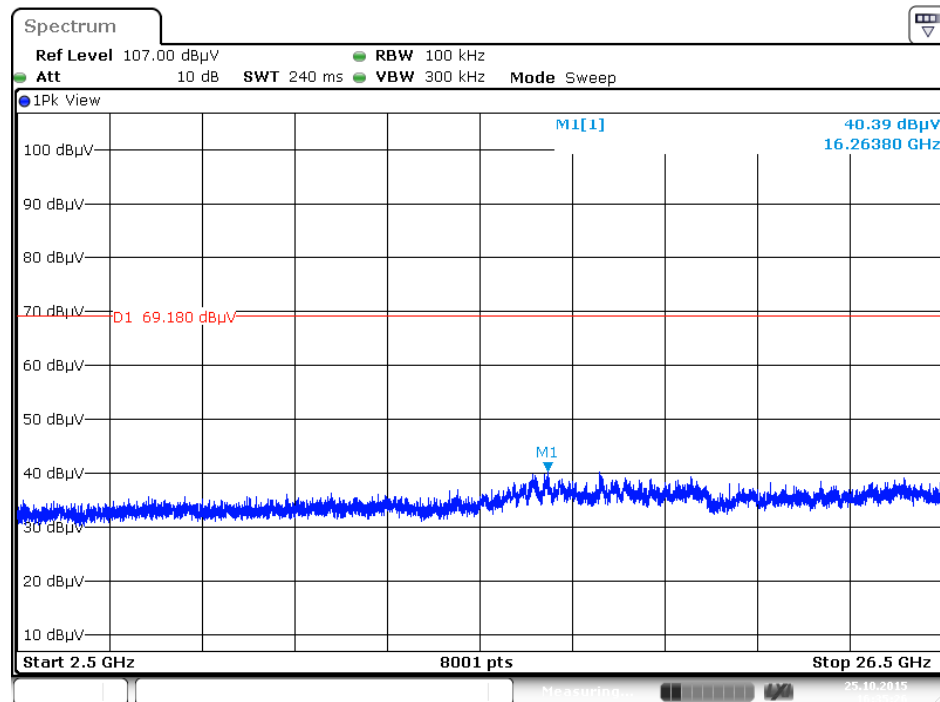
Plot on Configuration IEEE 802.11g / Reference Level



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

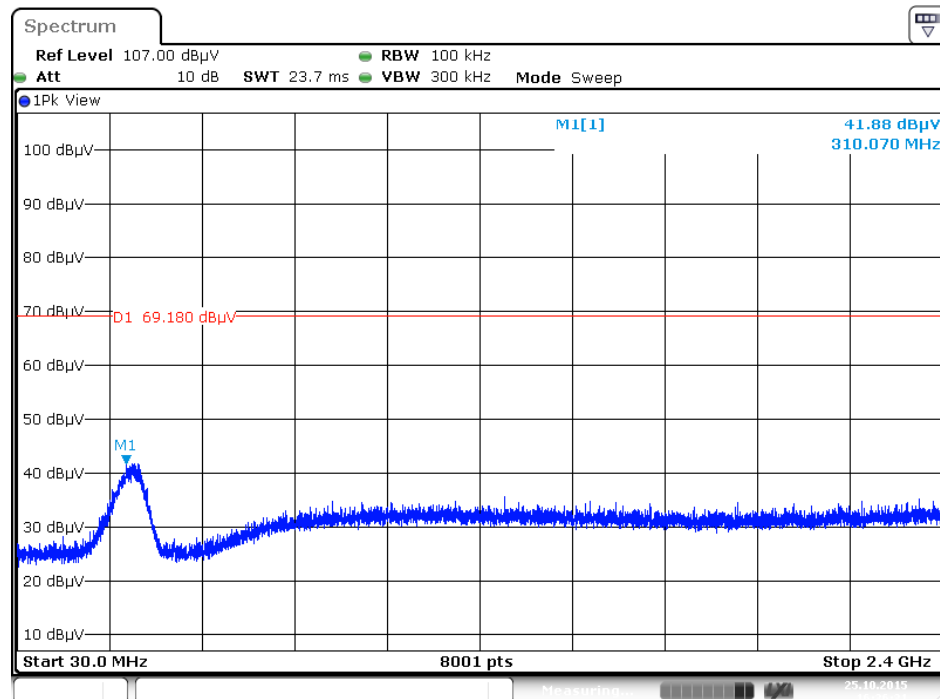


Plot on Configuration IEEE 802.11g / CH 1 / 2500MHz~26500MHz (down 30dBc)



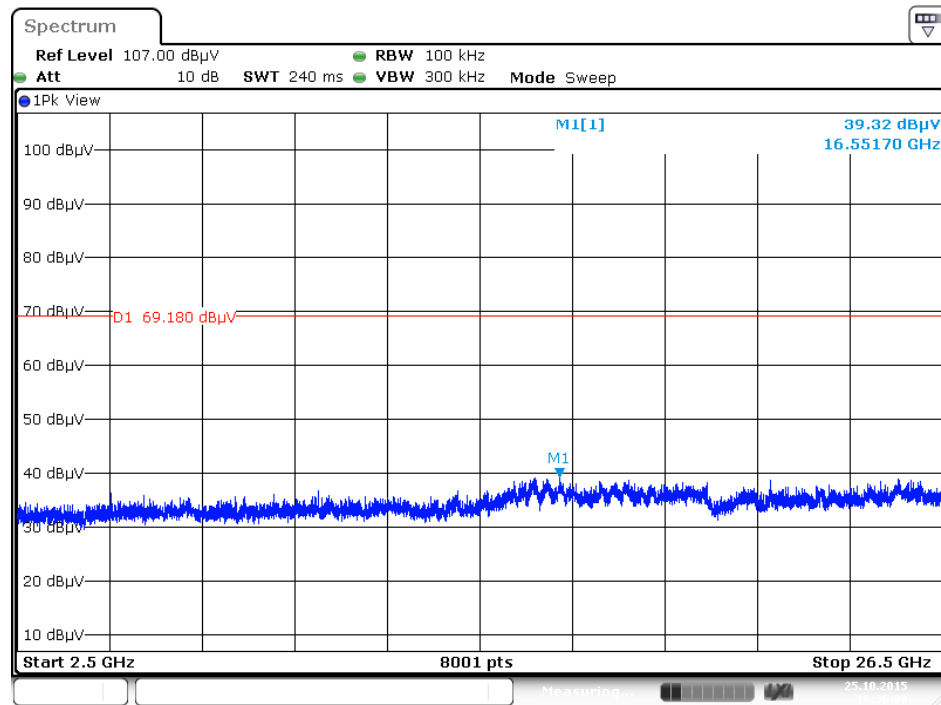
Date: 25.0 CT.2015 16:35:27

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



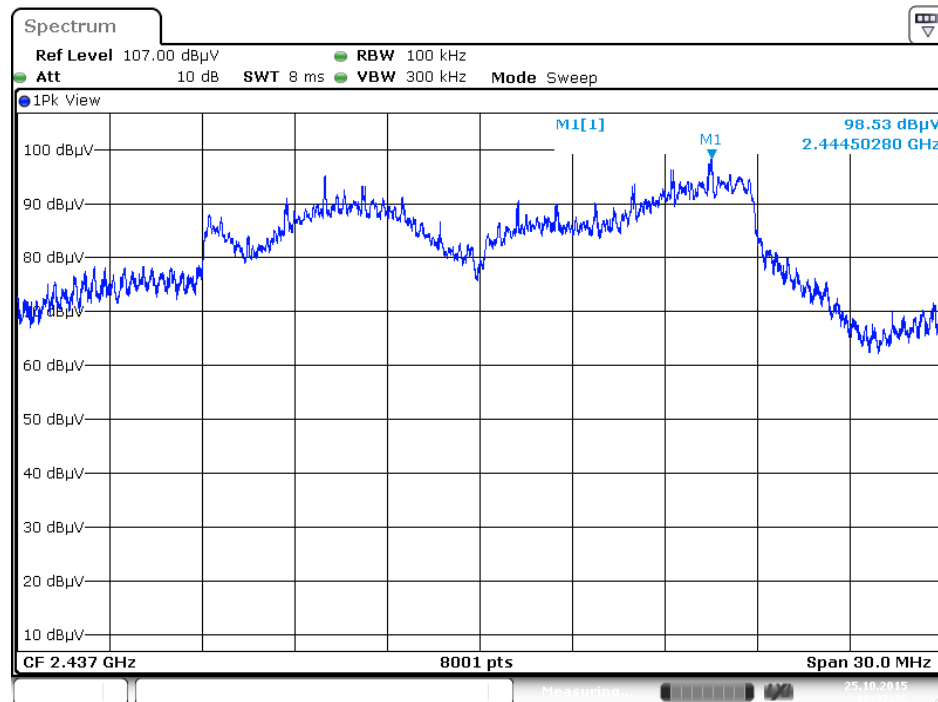
Date: 25.0 CT.2015 16:36:32

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



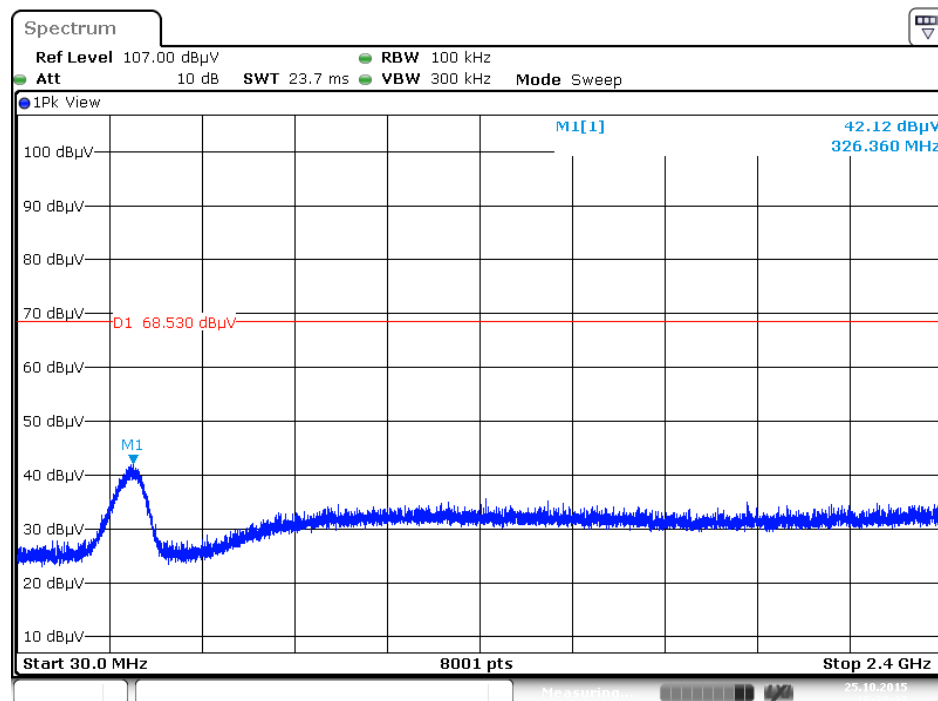
Date: 25.0 CT. 2015 16:36:00

Plot on Configuration IEEE 802.11n MCS0 HT20 / Reference Level



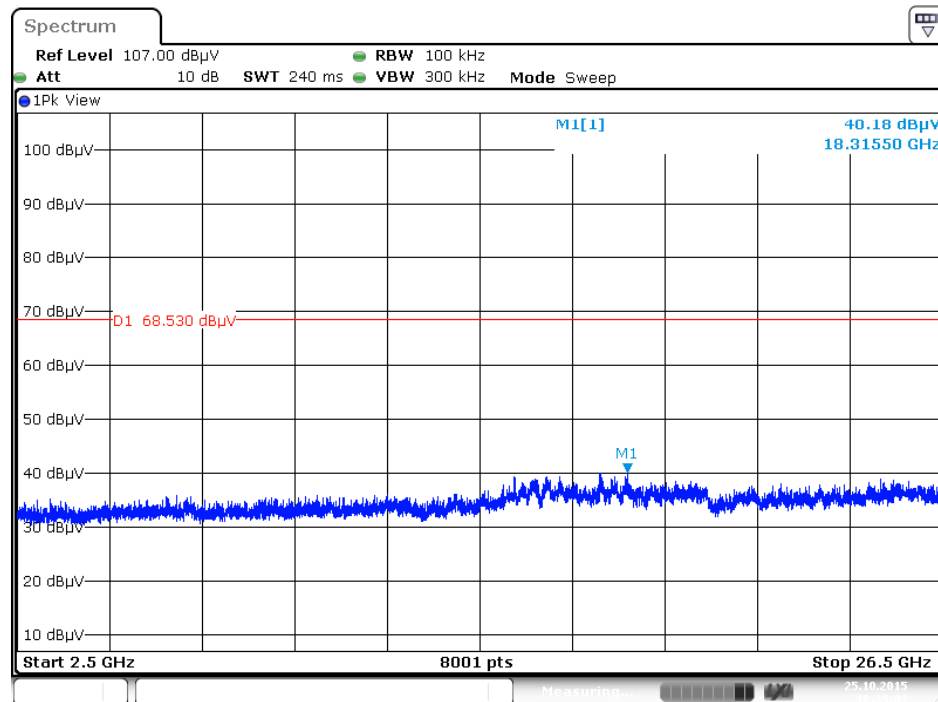
Date: 25.0 CT.2015 16:37:36

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



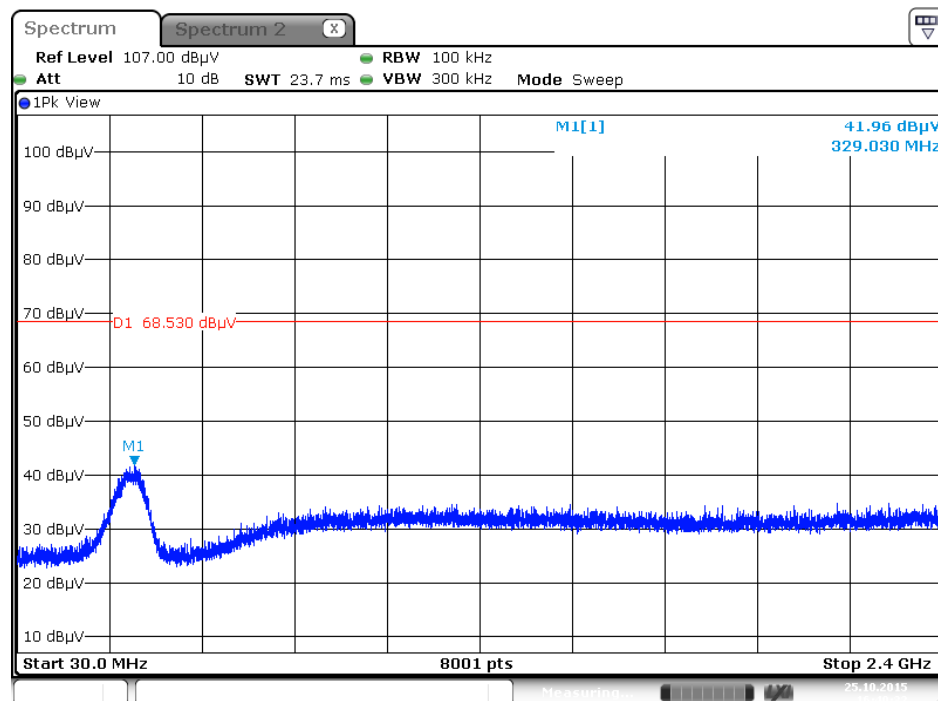
Date: 25.0 CT.2015 16:38:37

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



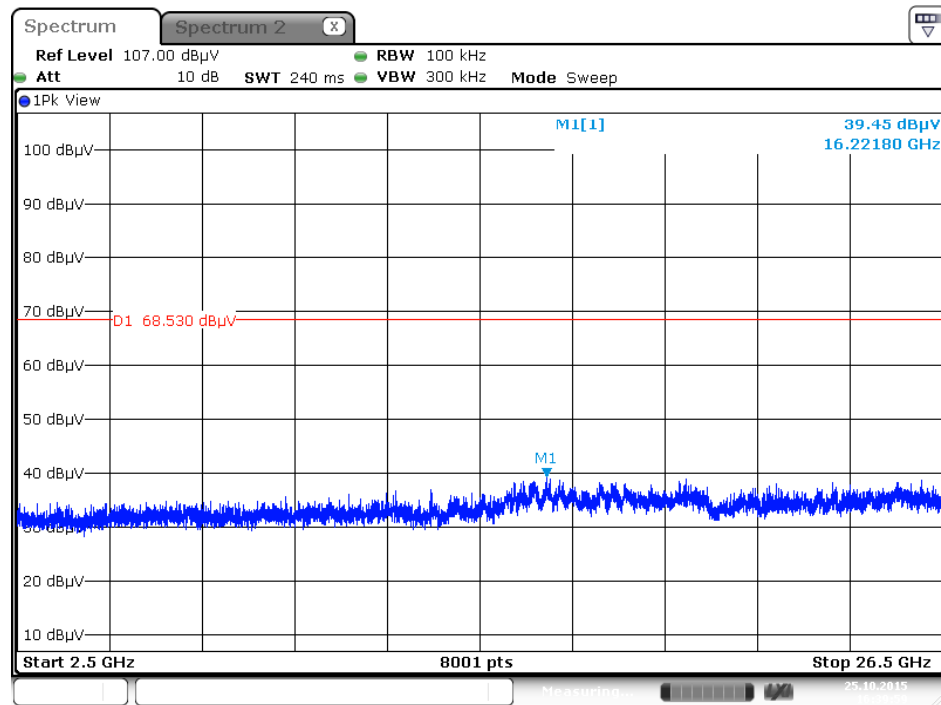
Date: 25.0 CT.2015 16:39:04

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



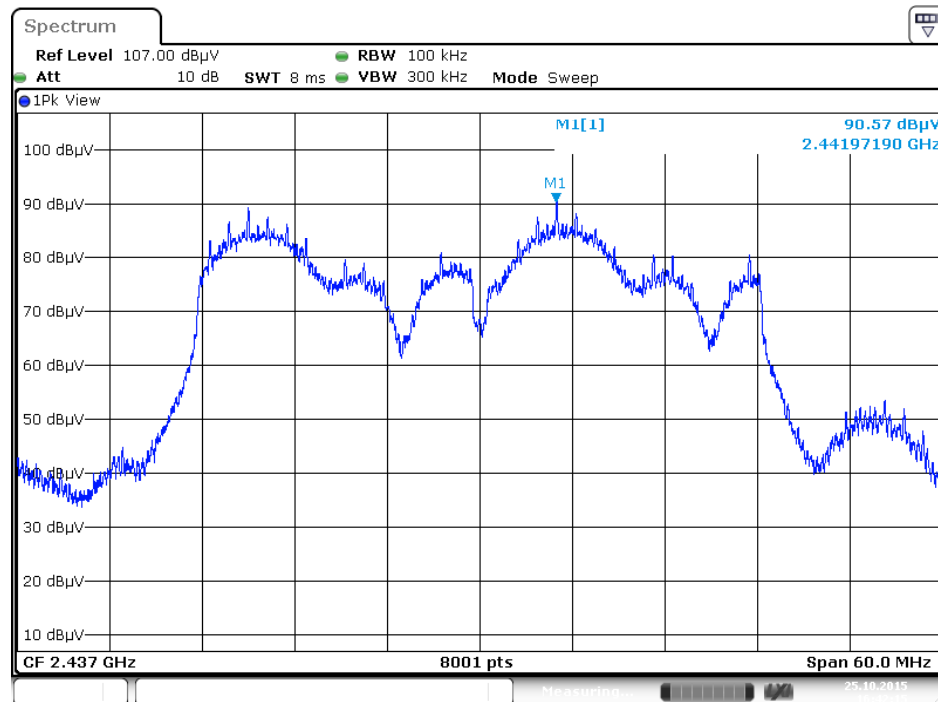
Date: 25.0 CT.2015 16:40:32

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



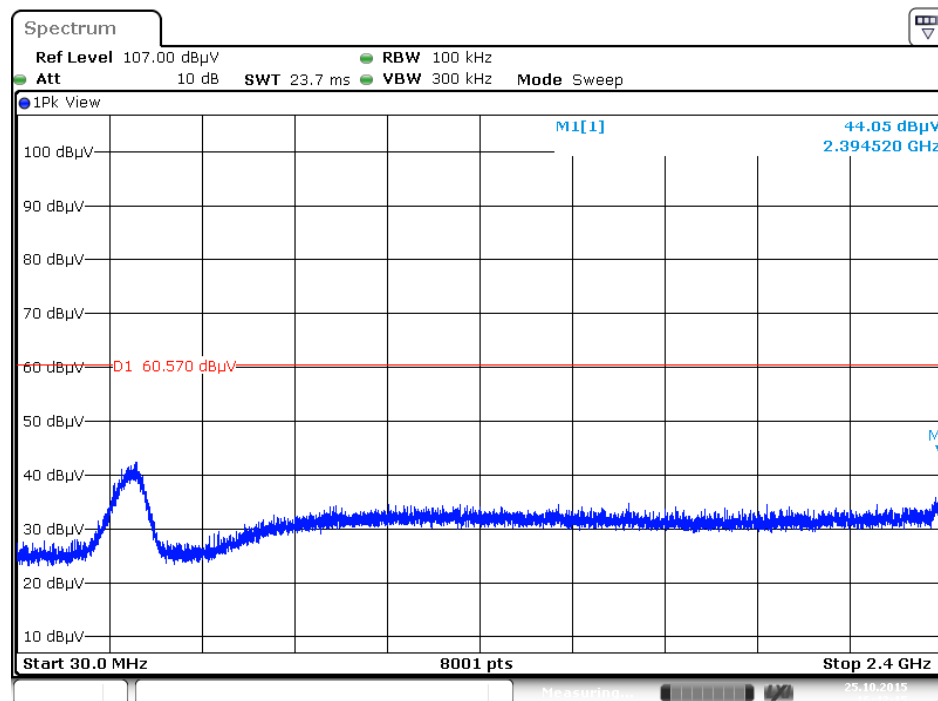
Date: 25.0 CT.2015 16:40:00

Plot on Configuration IEEE 802.11n MCS0 HT40 / Reference Level



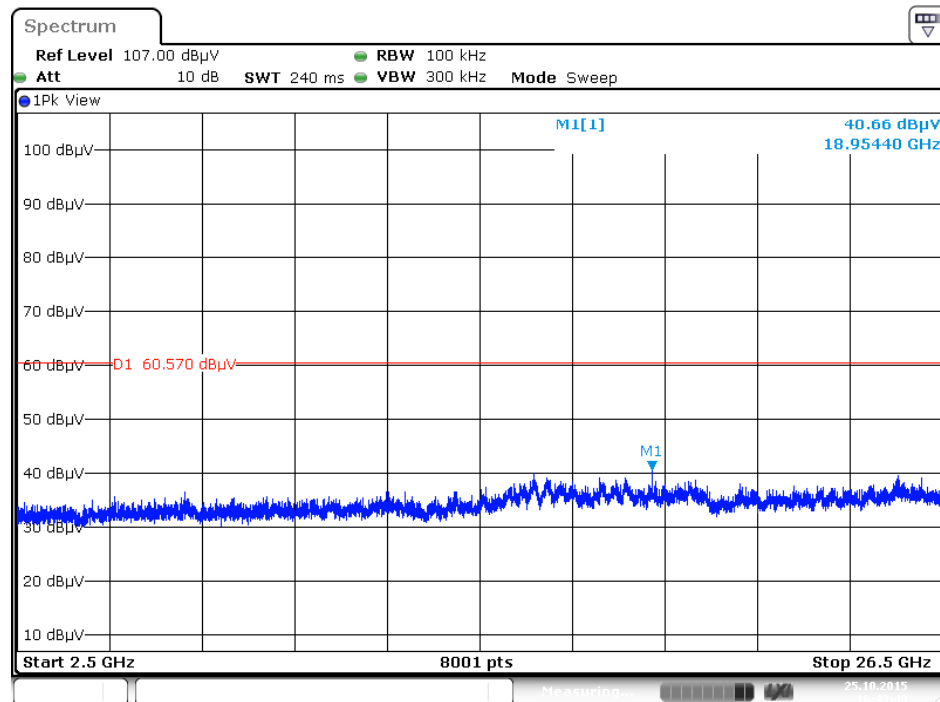
Date: 25.0 CT.2015 16:42:15

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



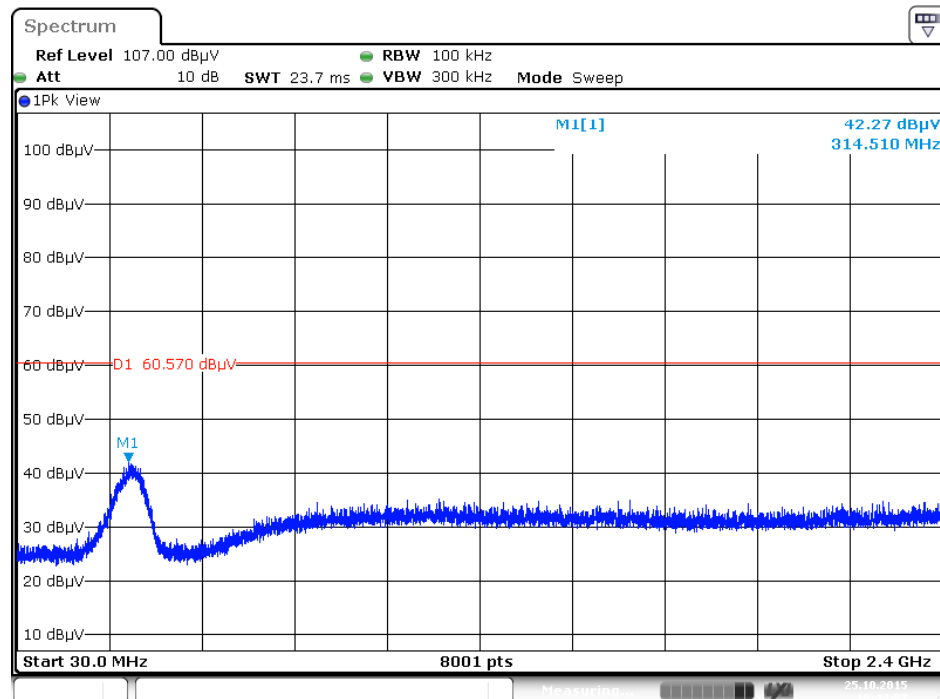
Date: 25.0 CT.2015 16:43:15

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



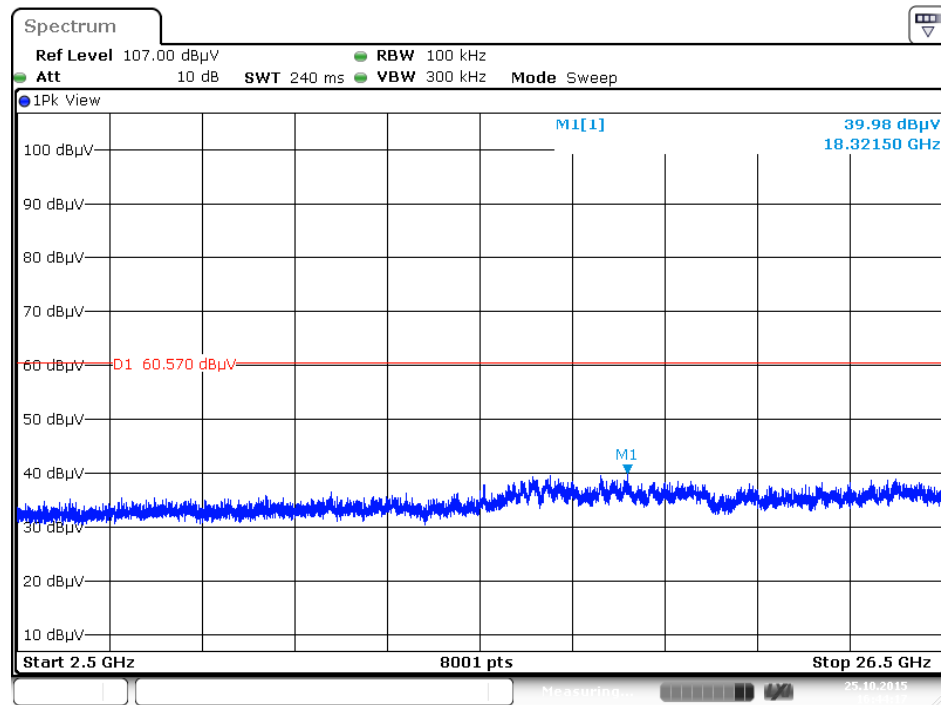
Date: 25.0 CT.2015 16:43:40

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



Date: 25.0 CT.2015 16:44:57

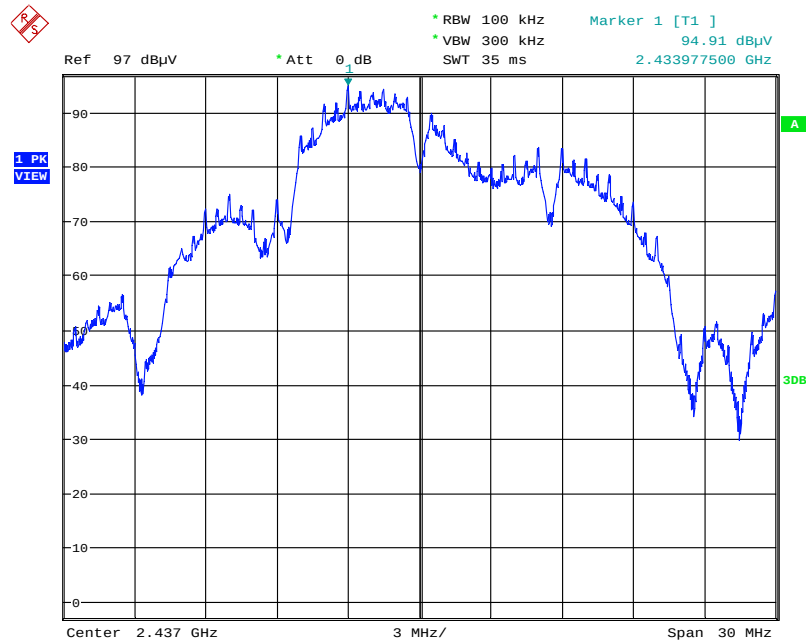
Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 9 / 2500MHz~26500MHz (down 30dBc)



Date: 25.0 CT.2015 16:44:17

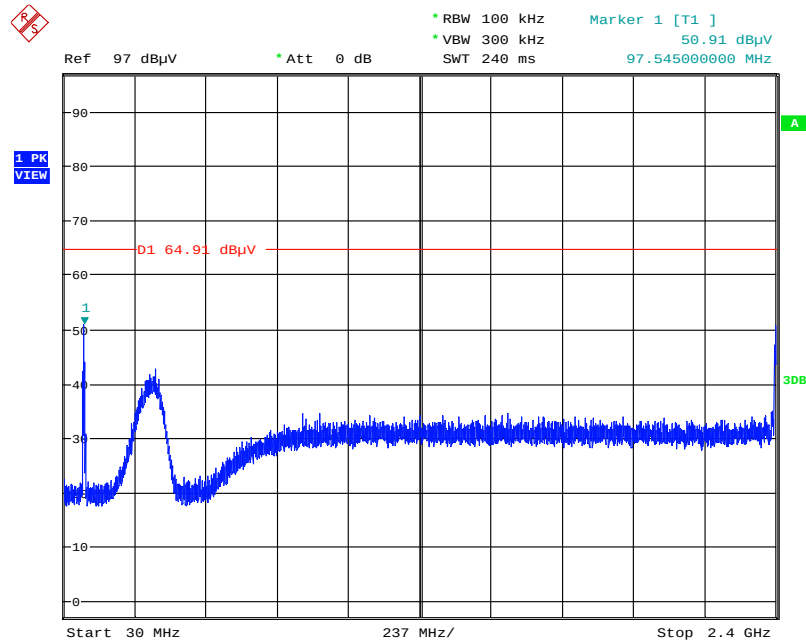
Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi

Plot on Configuration IEEE 802.11b / Reference Level



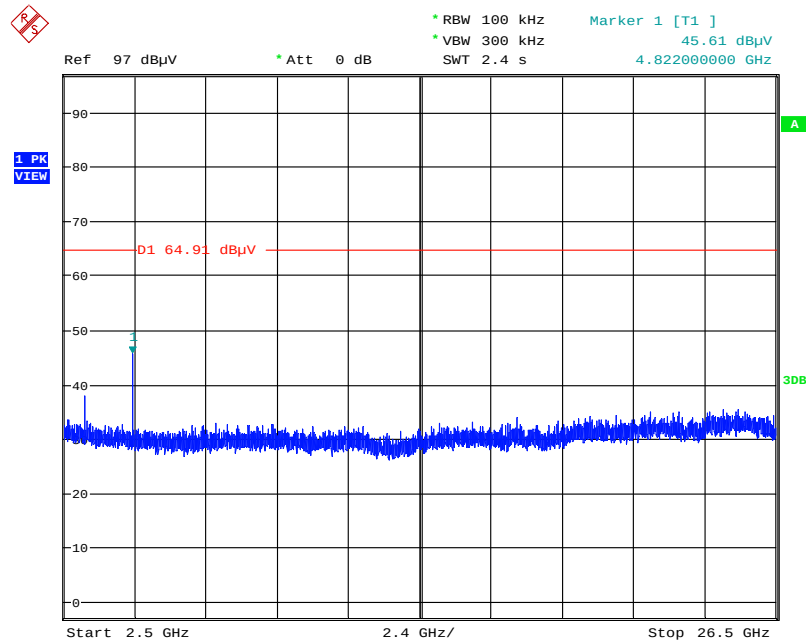
Date: 28.OCT.2015 22:20:39

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



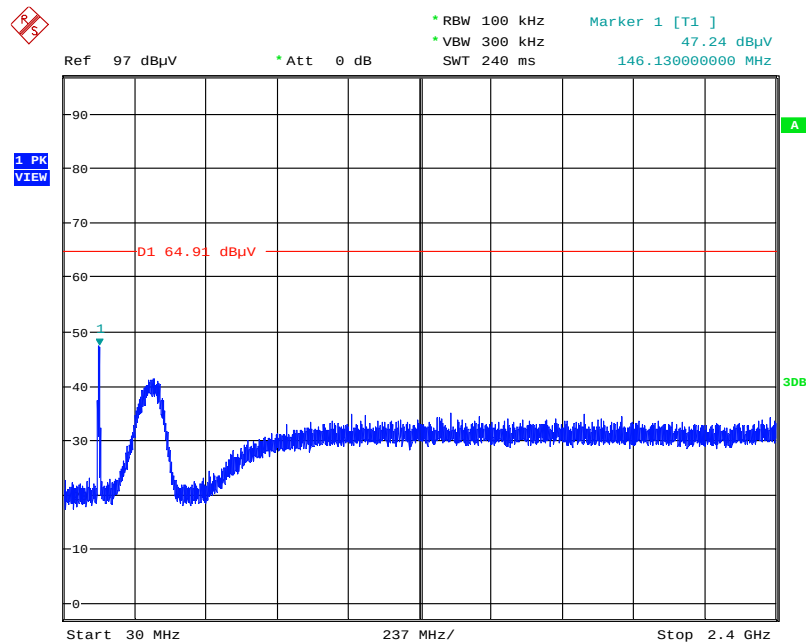
Date: 28.OCT.2015 22:22:37

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



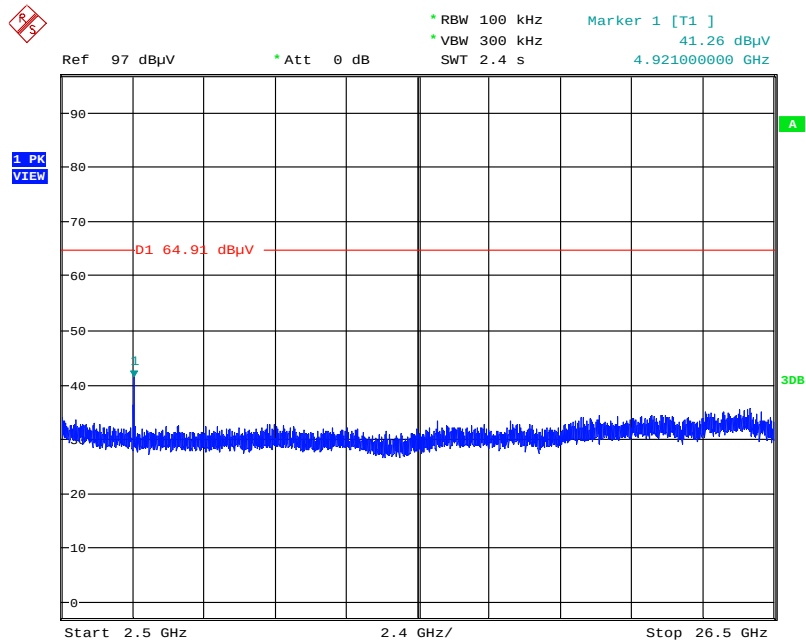
Date: 28.OCT.2015 22:23:35

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



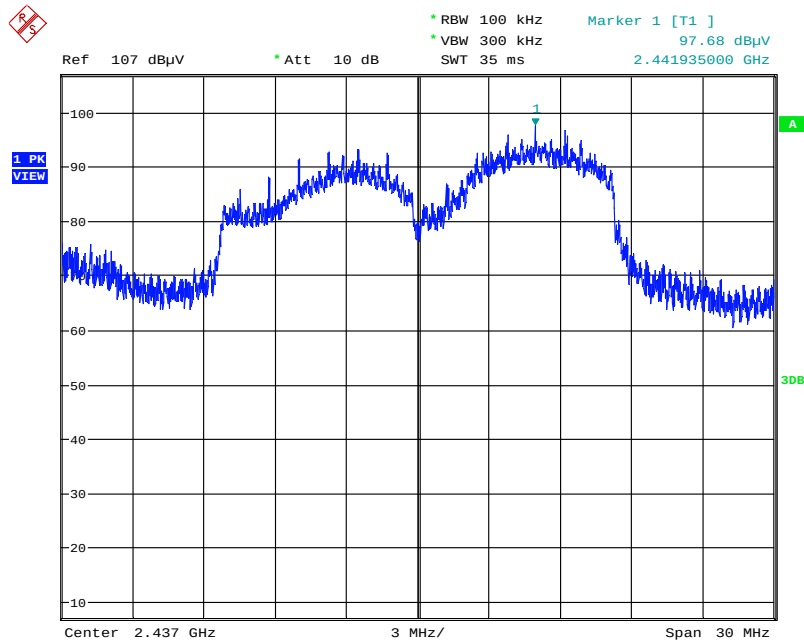
Date: 28.OCT.2015 22:24:47

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



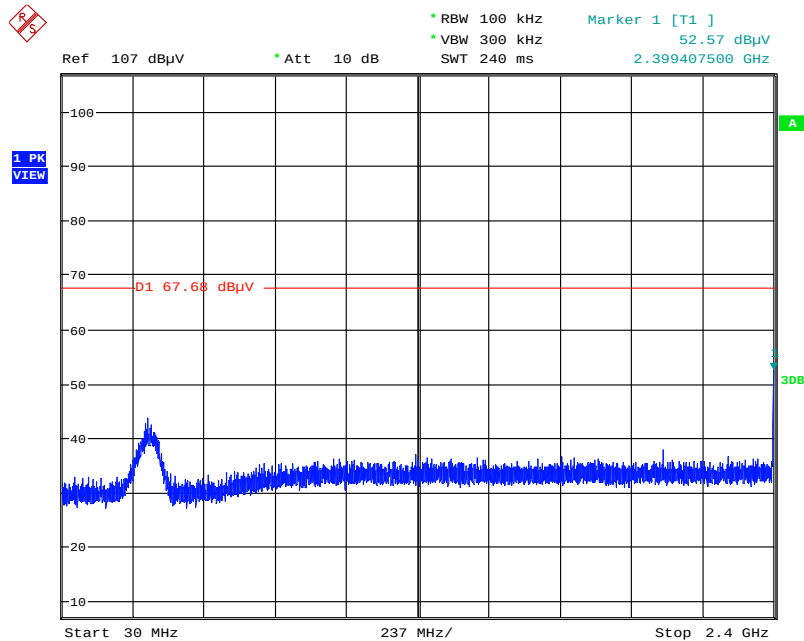
Date: 28.OCT.2015 22:24:21

Plot on Configuration IEEE 802.11g / Reference Level



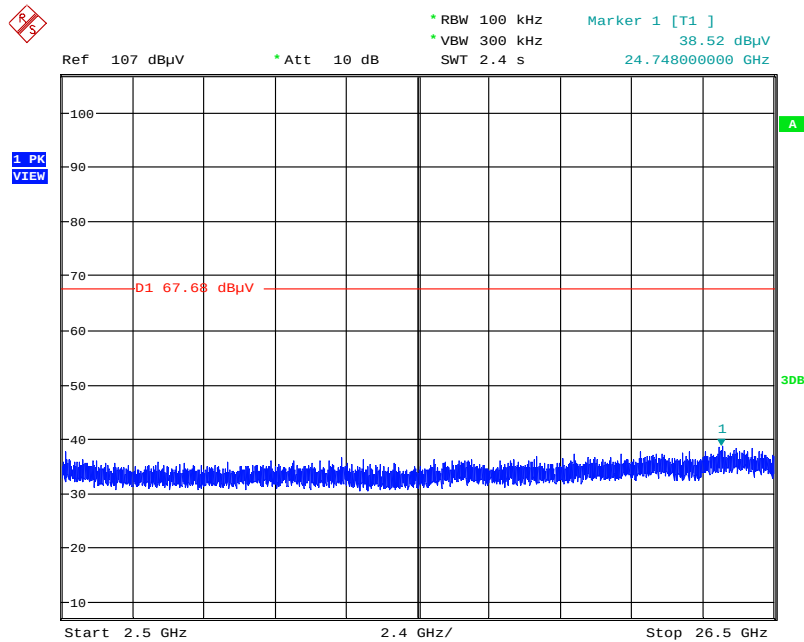
Date: 28.OCT.2015 22:56:27

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



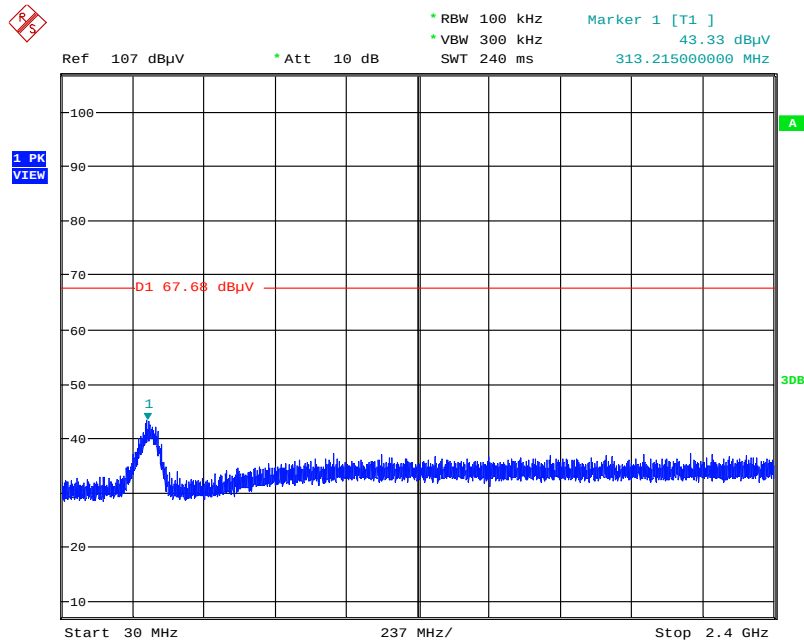
Date: 28.OCT.2015 22:57:50

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



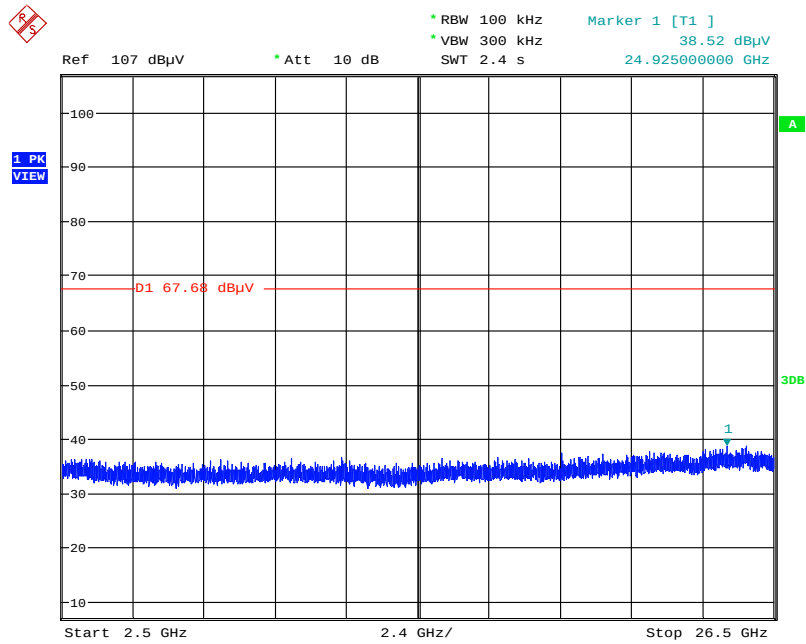
Date: 28.OCT.2015 22:58:25

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



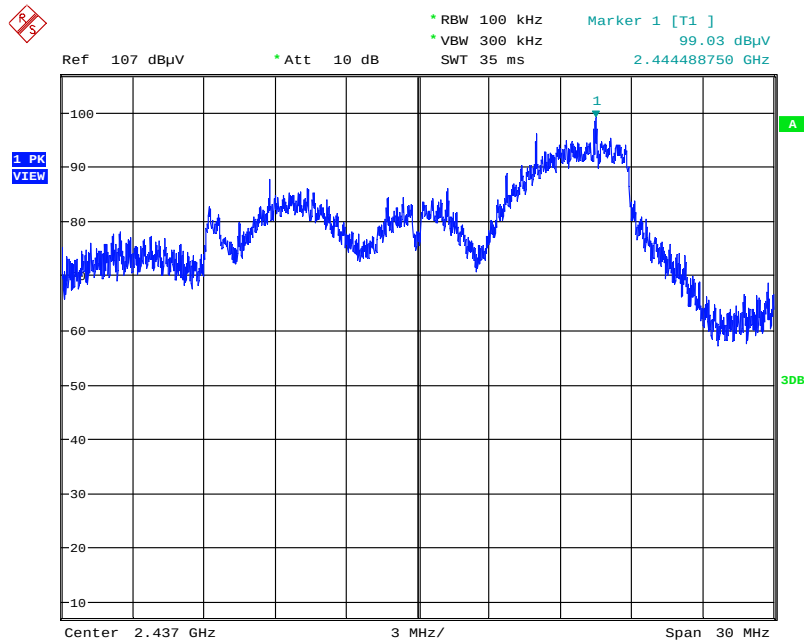
Date: 28.OCT.2015 22:59:45

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



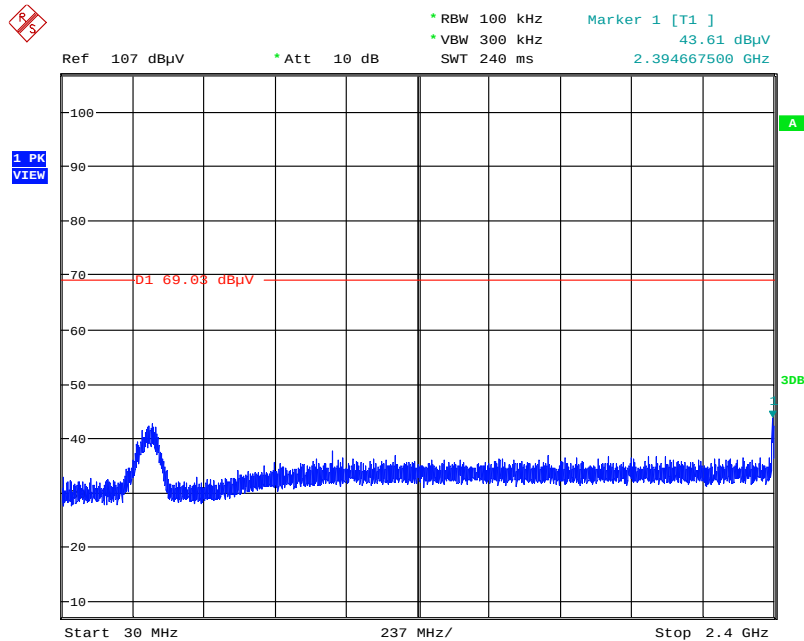
Date: 28.OCT.2015 22:59:08

Plot on Configuration IEEE 802.11n MCS0 HT20 / Reference Level



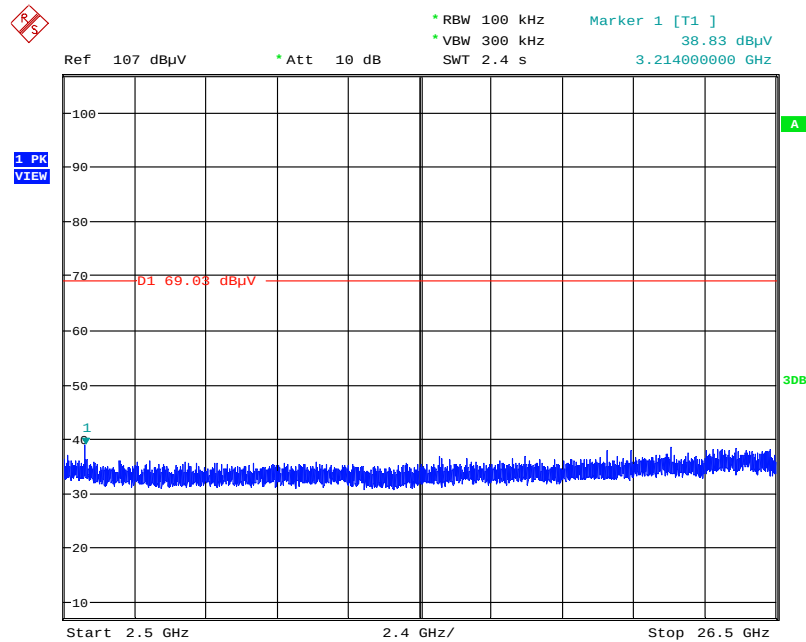
Date: 28.OCT.2015 23:01:44

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



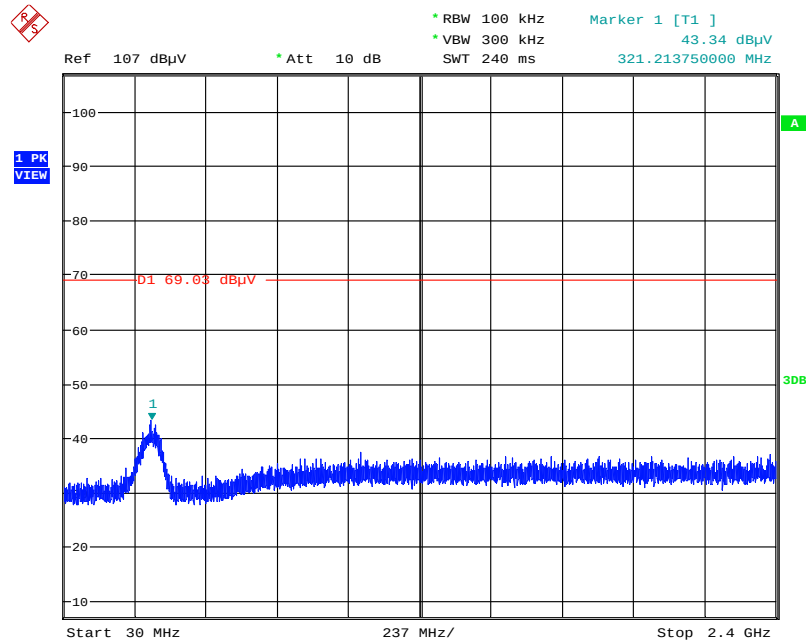
Date: 28.OCT.2015 23:02:56

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



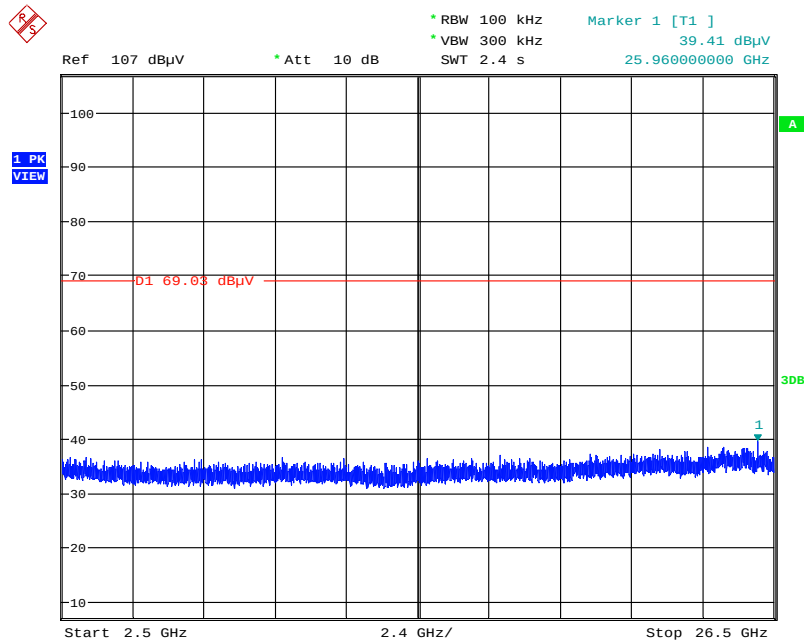
Date: 28.OCT.2015 23:03:29

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



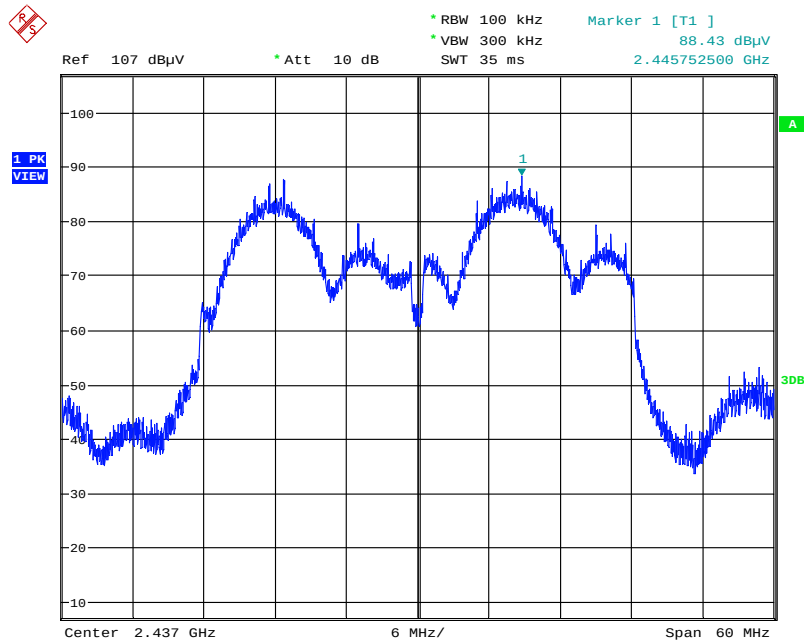
Date: 28.OCT.2015 23:04:41

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



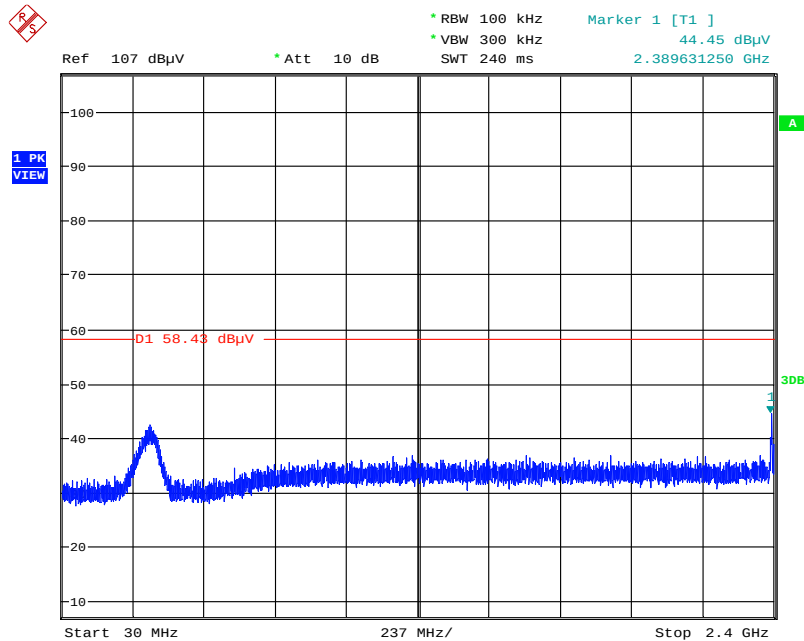
Date: 28.OCT.2015 23:04:16

Plot on Configuration IEEE 802.11n MCS0 HT40 / Reference Level



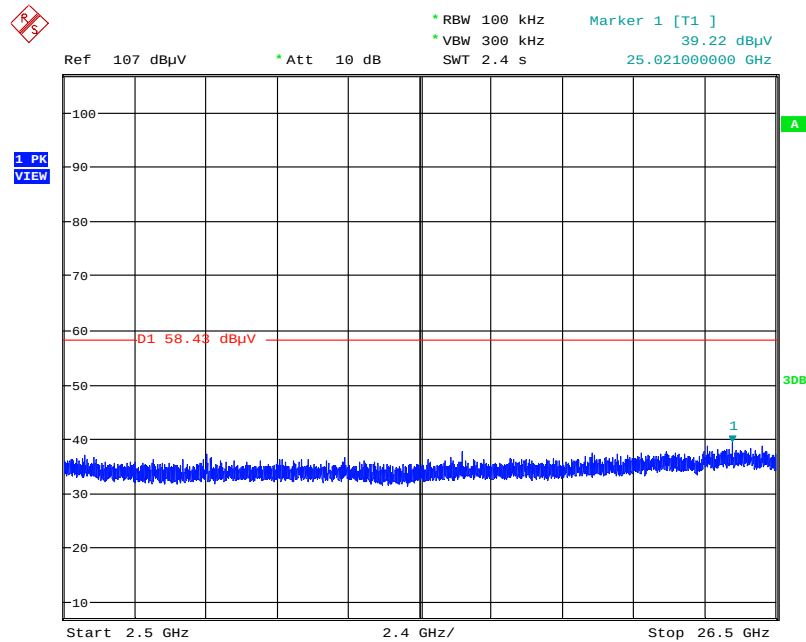
Date: 28.OCT.2015 23:06:03

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



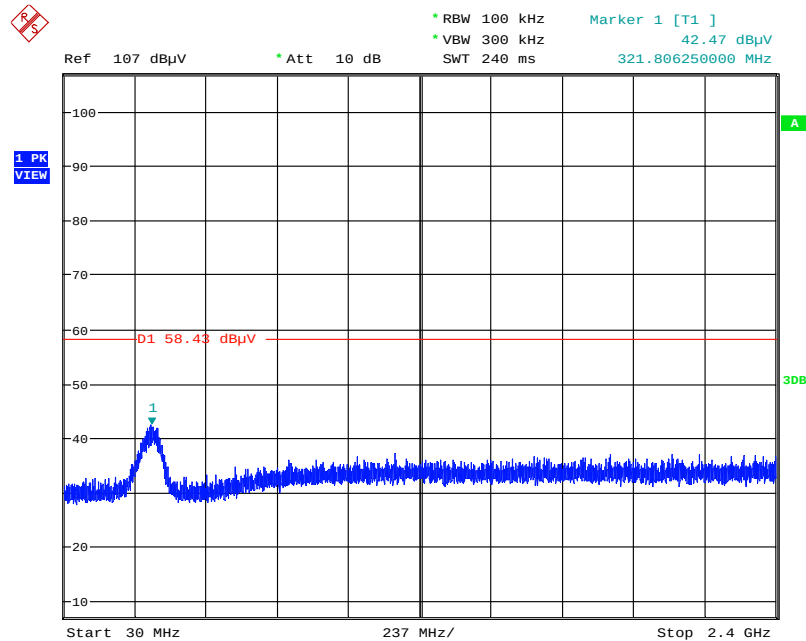
Date: 28.OCT.2015 23:06:58

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



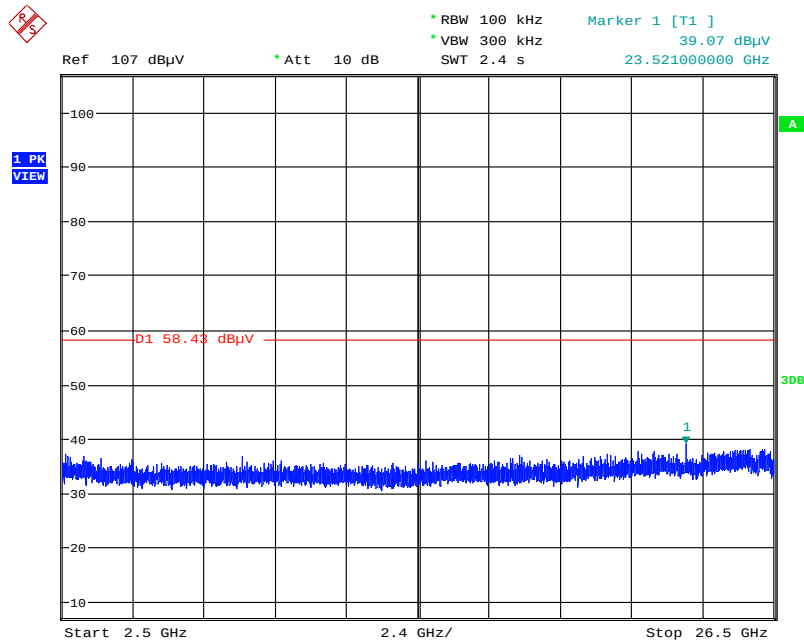
Date: 28.OCT.2015 23:07:52

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)



Date: 28.OCT.2015 23:08:31

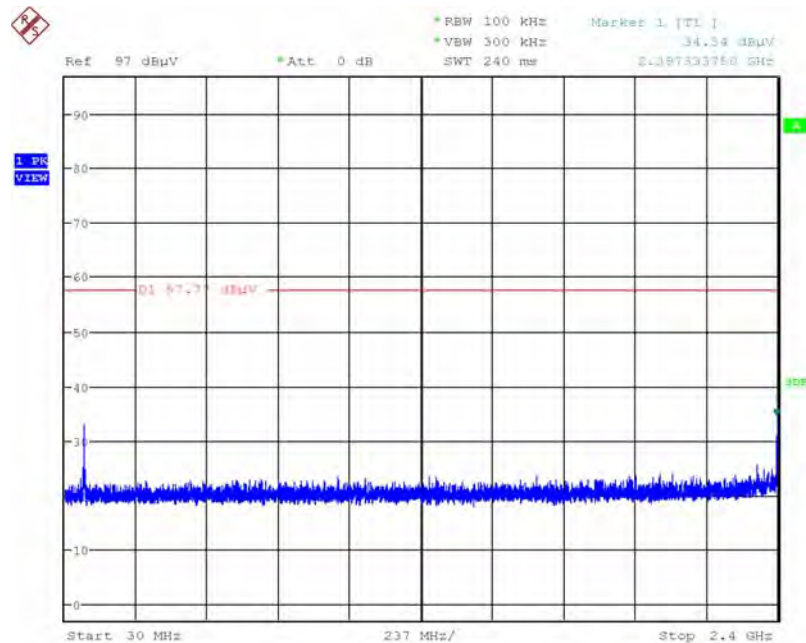
Mode 4: EUT 1 + Set 4 Sector Antenna / 10.5 dBi

Plot on Configuration IEEE 802.11b / Reference Level



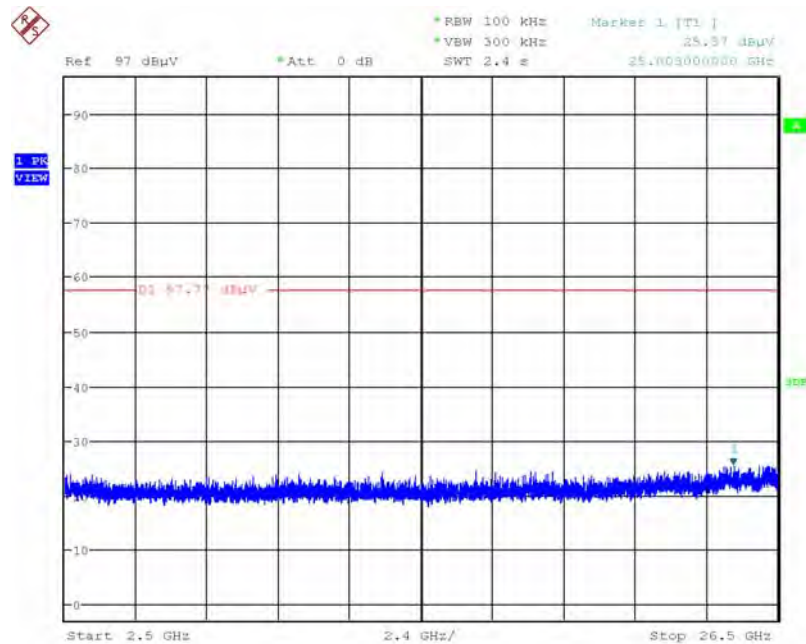
Date: 30.OCT.2015 23:17:39

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



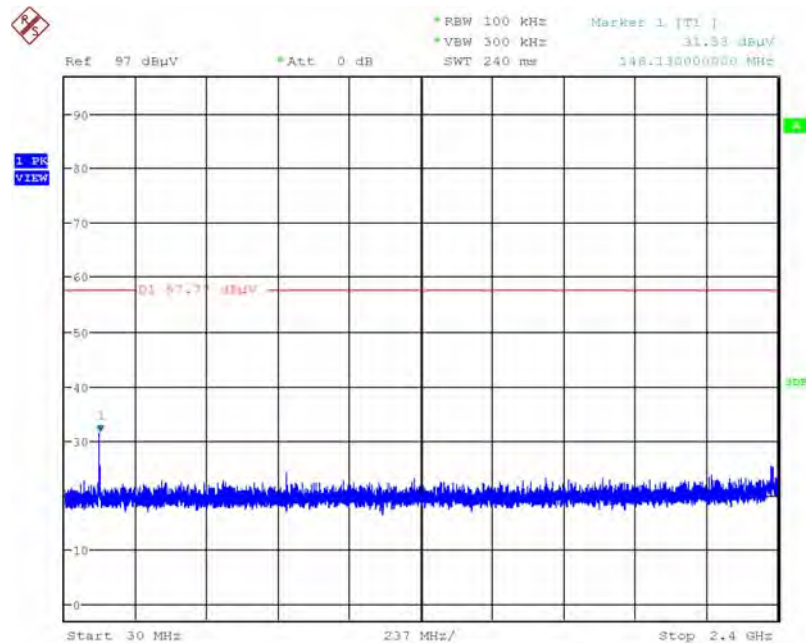
Date: 30.OCT.2015 23:19:28

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



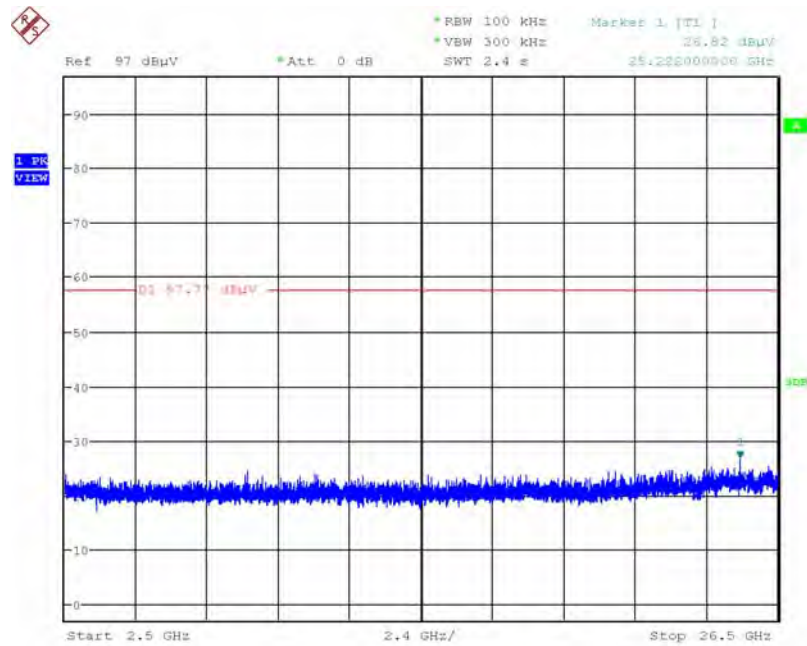
Date: 30.OCT.2015 23:20:11

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)



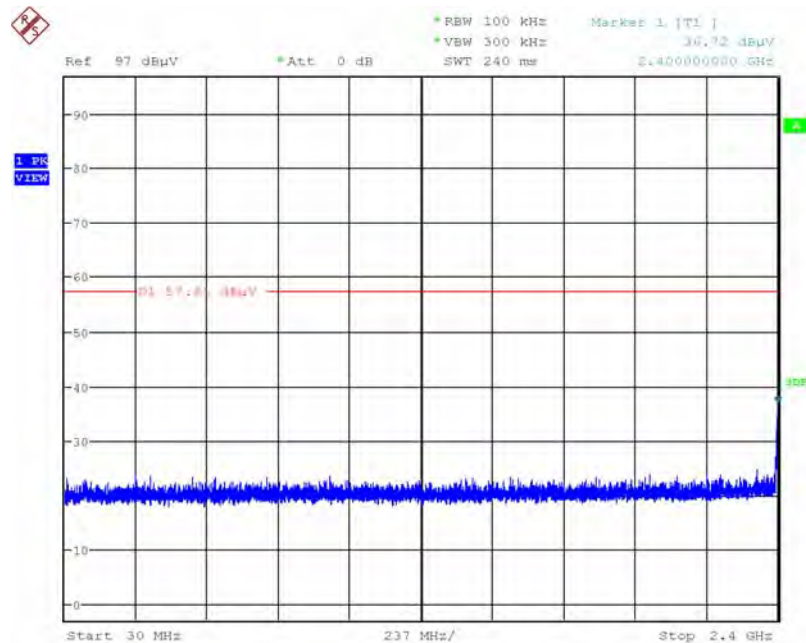
Date: 30.OCT.2015 23:21:50

Plot on Configuration IEEE 802.11g / Reference Level



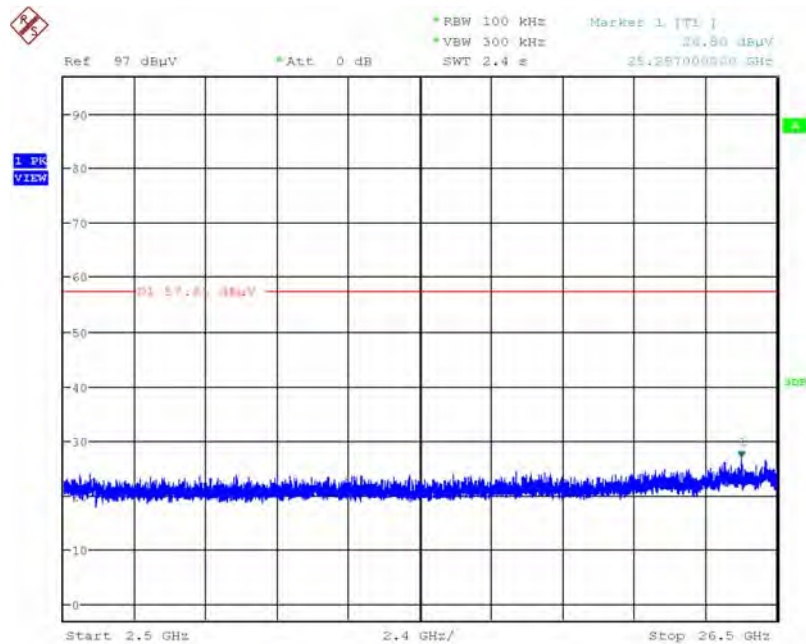
Date: 30.OCT.2015 23:25:50

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



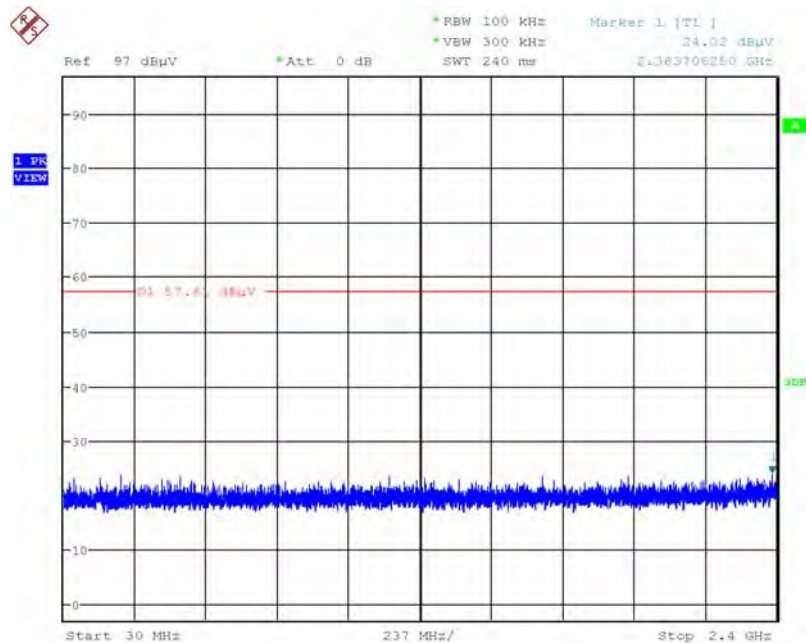
Date: 30.OCT.2015 23:27:04

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



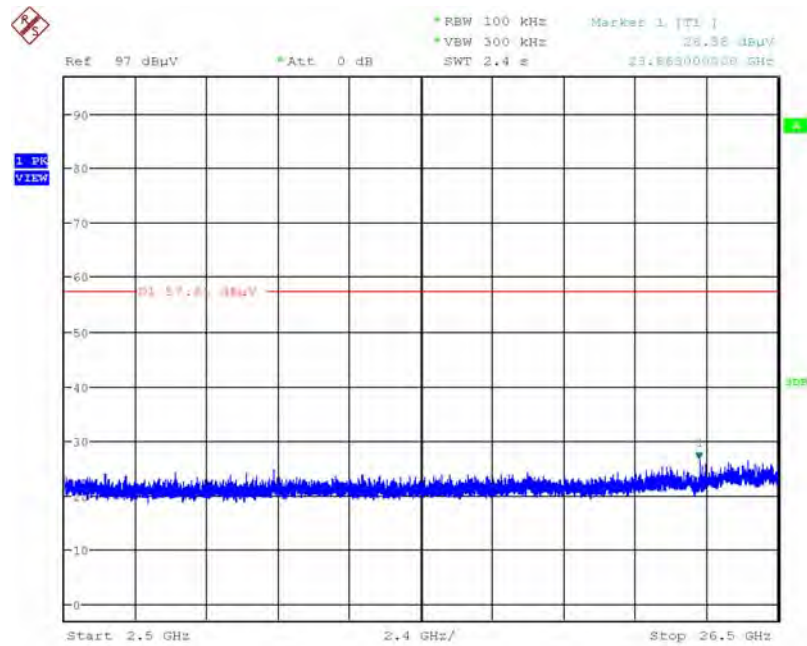
Date: 30.OCT.2015 23:27:44

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



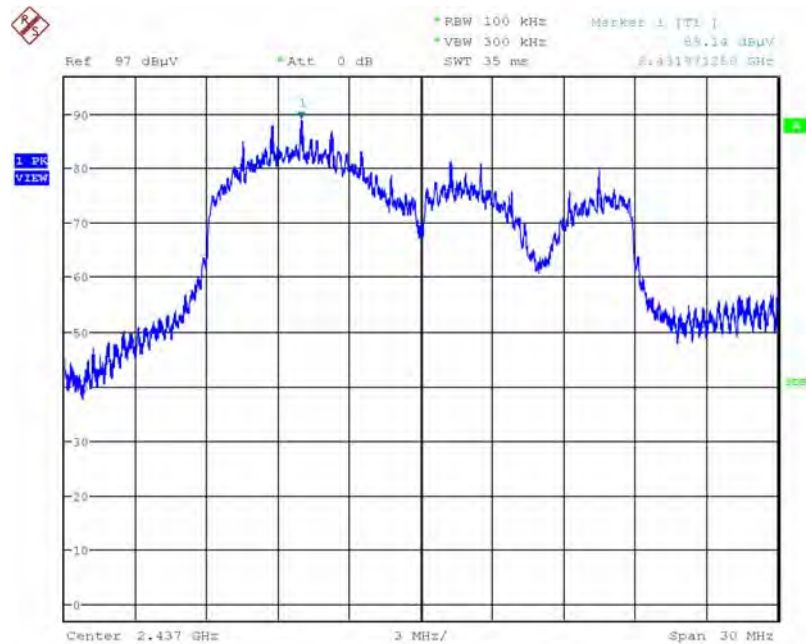
Date: 30.OCT.2015 23:28:44

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



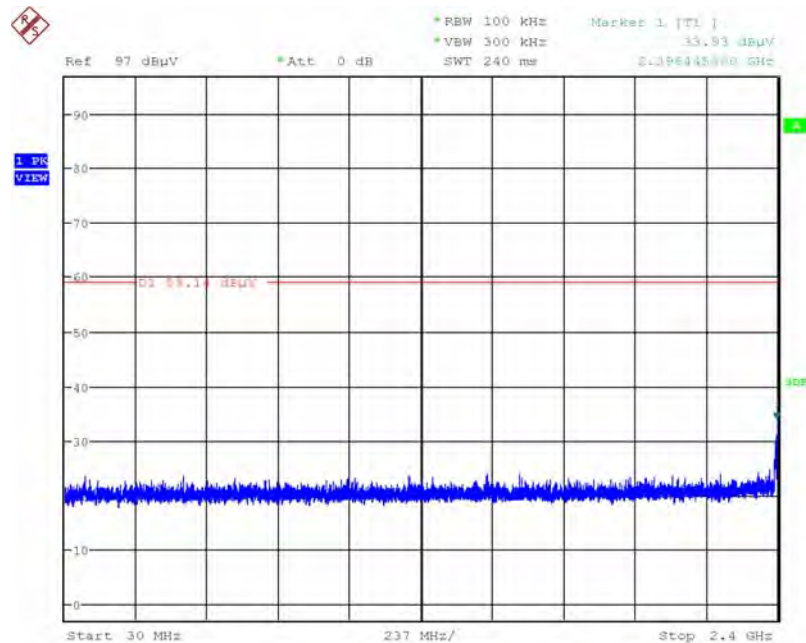
Date: 30.OCT.2015 23:29:29

Plot on Configuration IEEE 802.11n MCS0 HT20 / Reference Level



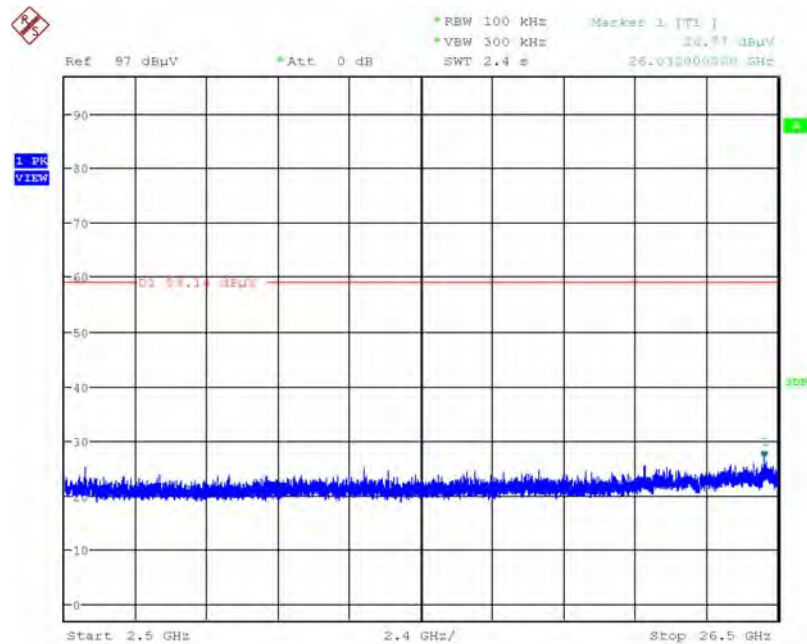
Date: 30.OCT.2015 23:35:24

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



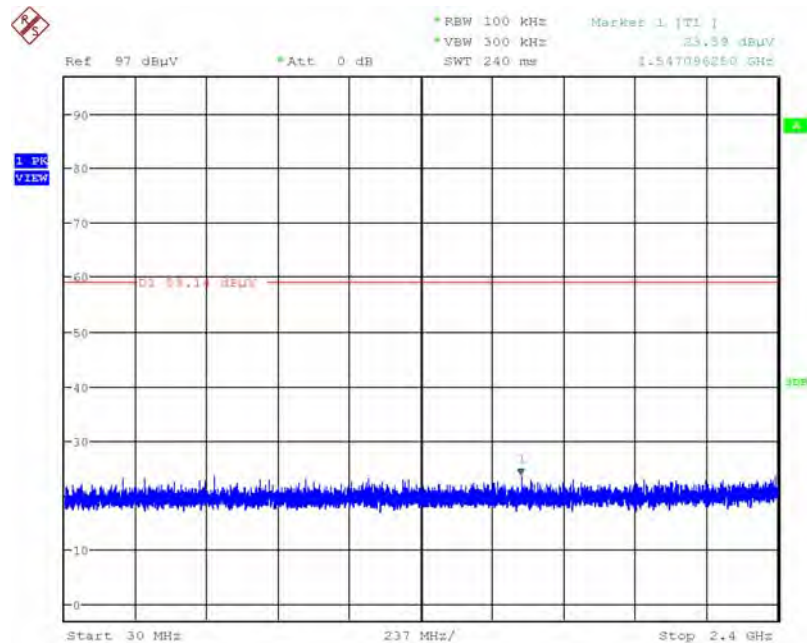
Date: 30.OCT.2015 23:37:05

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



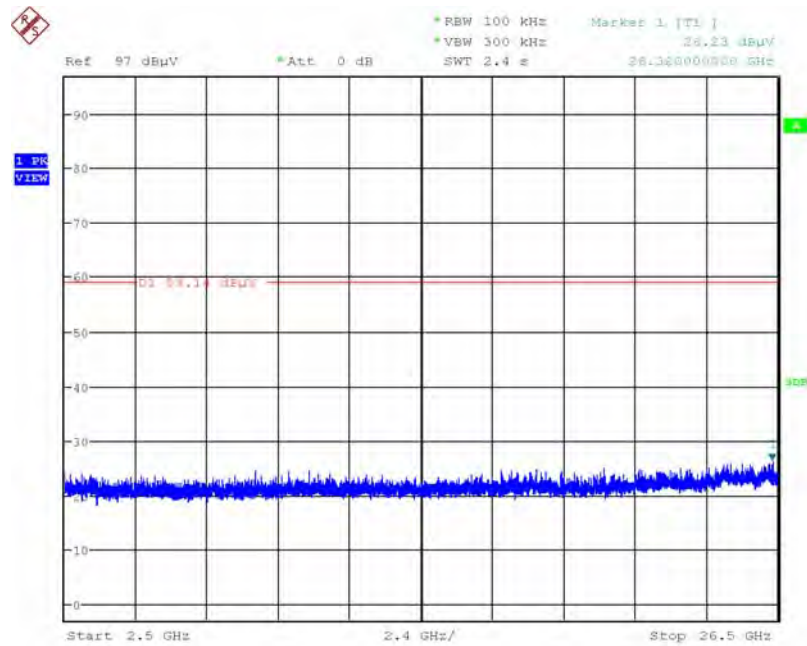
Date: 30.OCT.2015 23:37:57

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



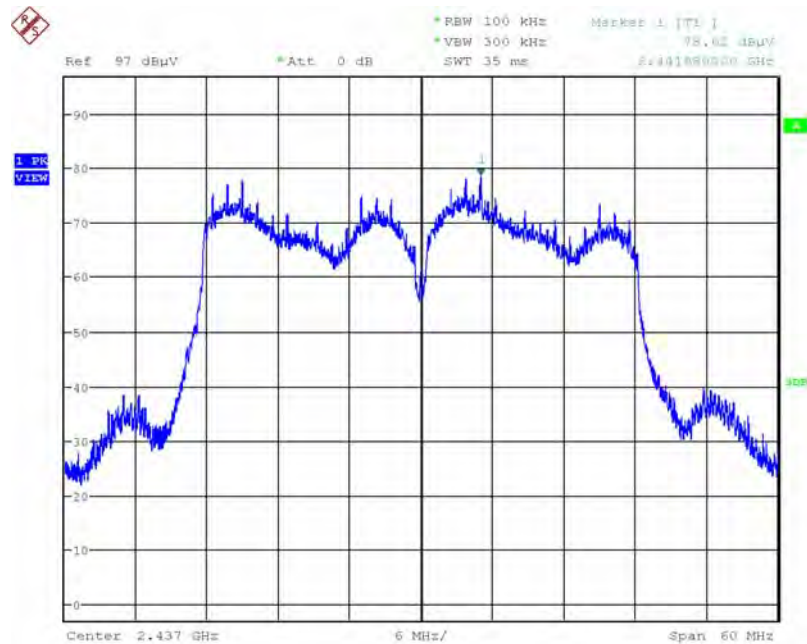
Date: 30.OCT.2015 23:38:45

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



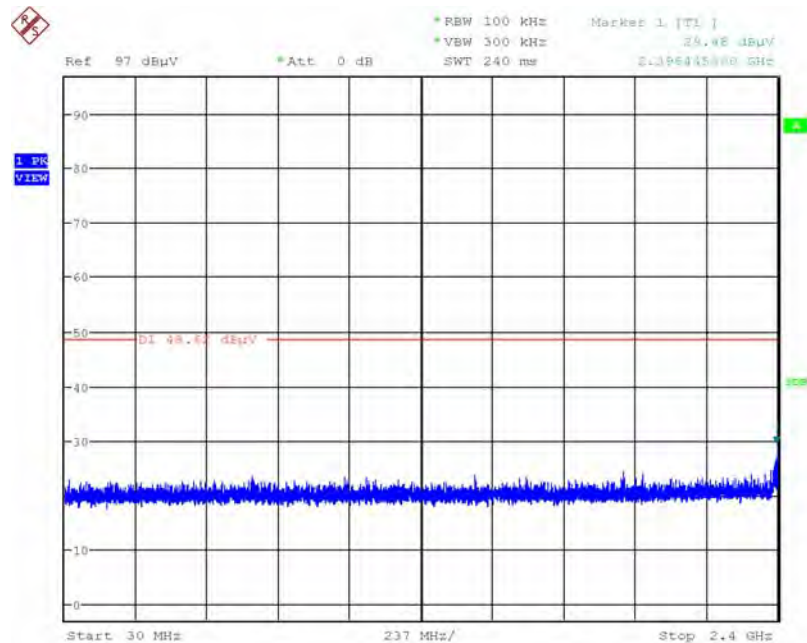
Date: 30.OCT.2015 23:39:28

Plot on Configuration IEEE 802.11n MCS0 HT40 / Reference Level



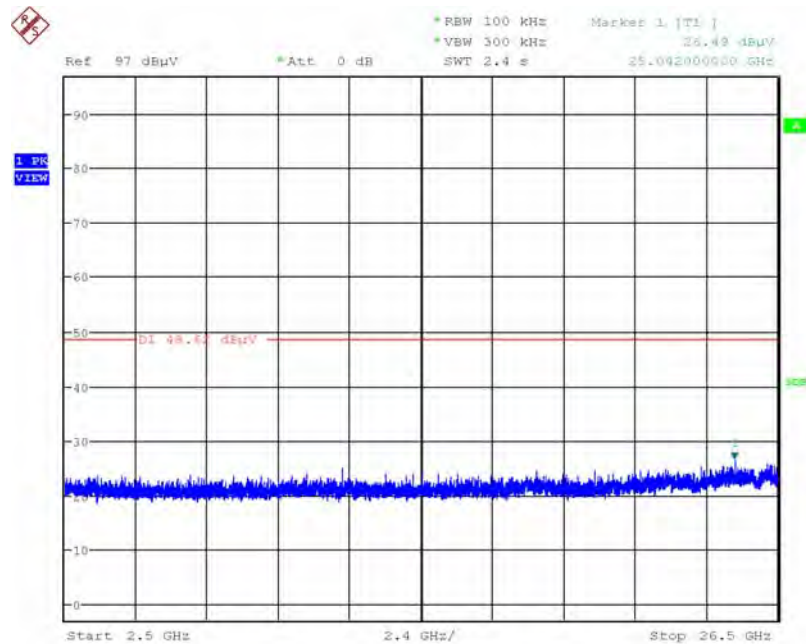
Date: 30.OCT.2015 23:44:38

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



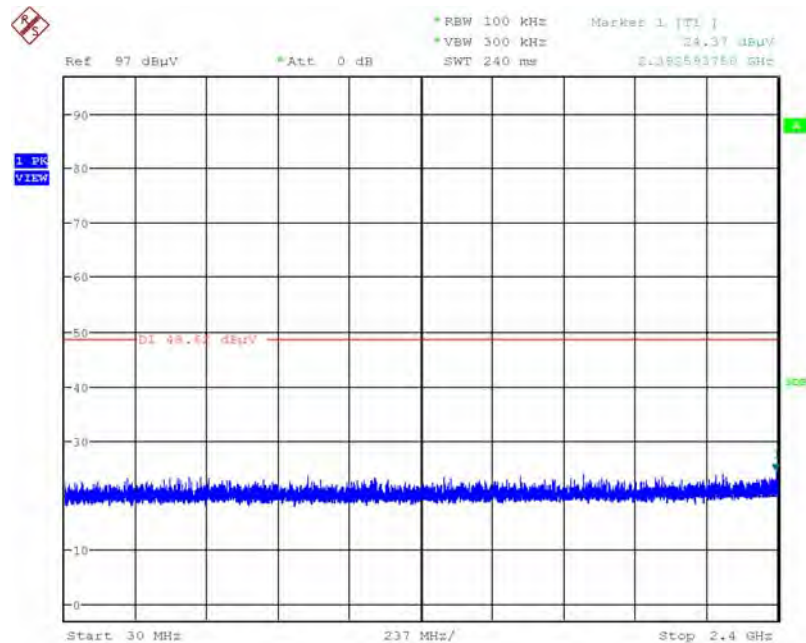
Date: 30.OCT.2015 23:46:25

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



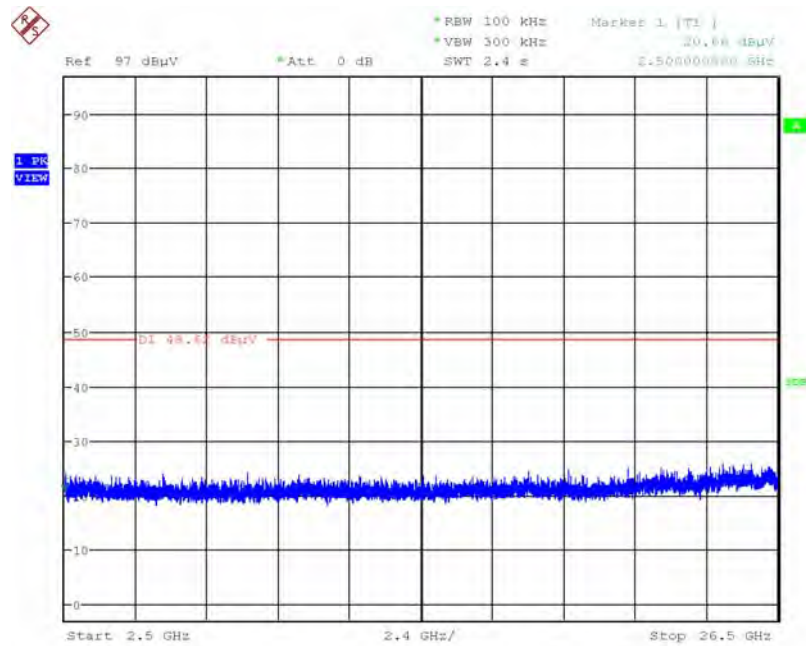
Date: 30.OCT.2015 23:47:17

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)



Date: 30.OCT.2015 23:50:00

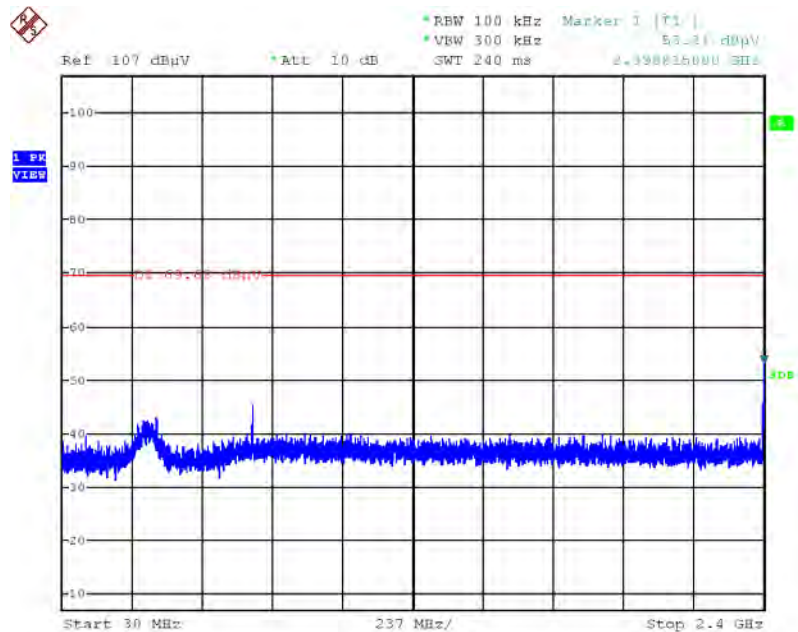
Mode 5: EUT 1 + Set 7 Sector Antenna / 5 dBi

Plot on Configuration IEEE 802.11b / Reference Level



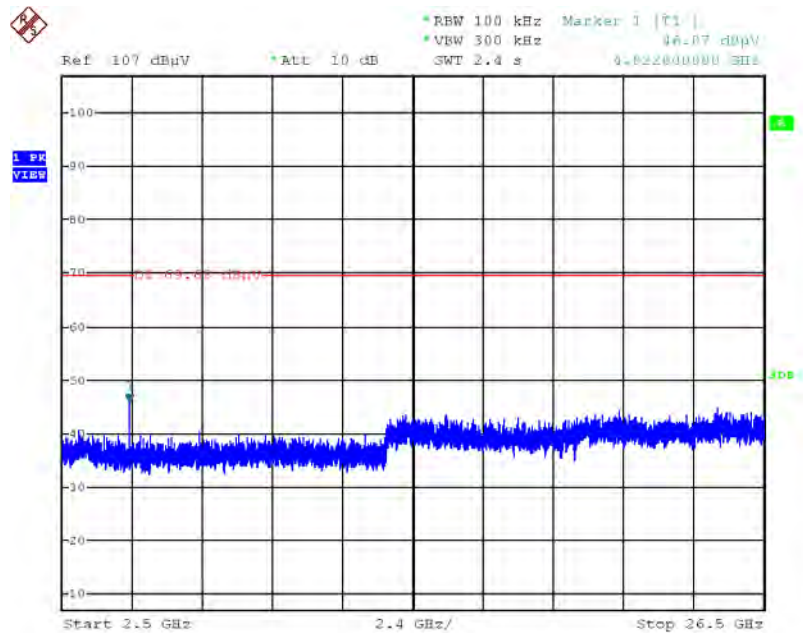
Date: 22.OCT.2015 14:26:33

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



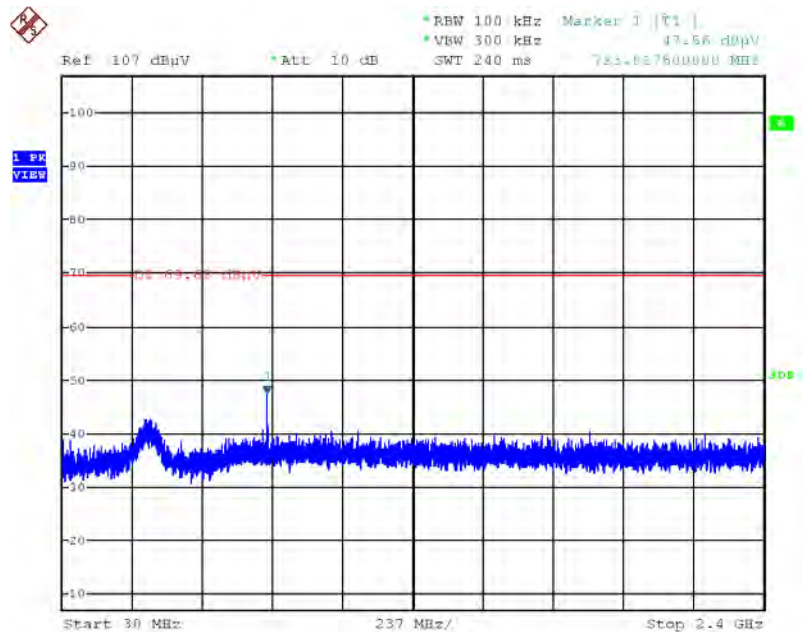
Date: 22.OCT.2015 14:27:40

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



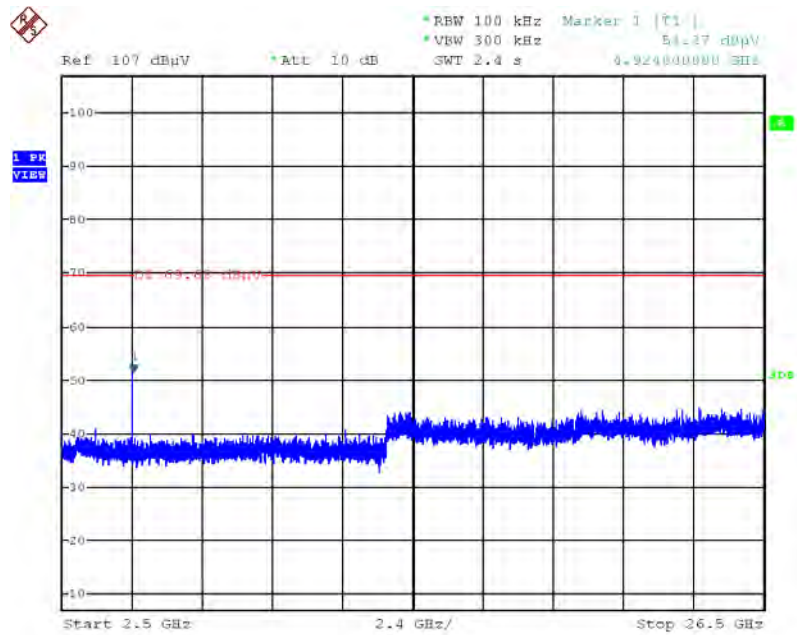
Date: 22.OCT.2015 14:28:26

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



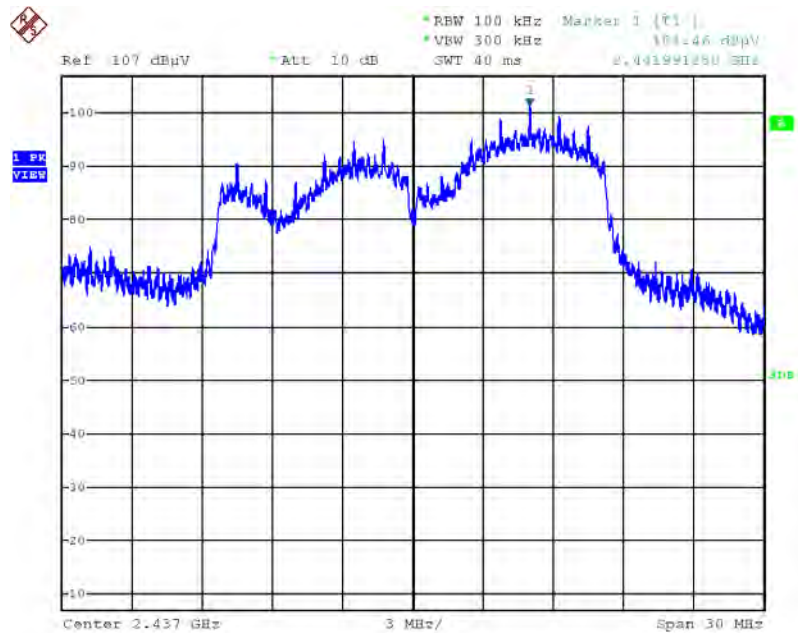
Date: 22.OCT.2015 14:29:09

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



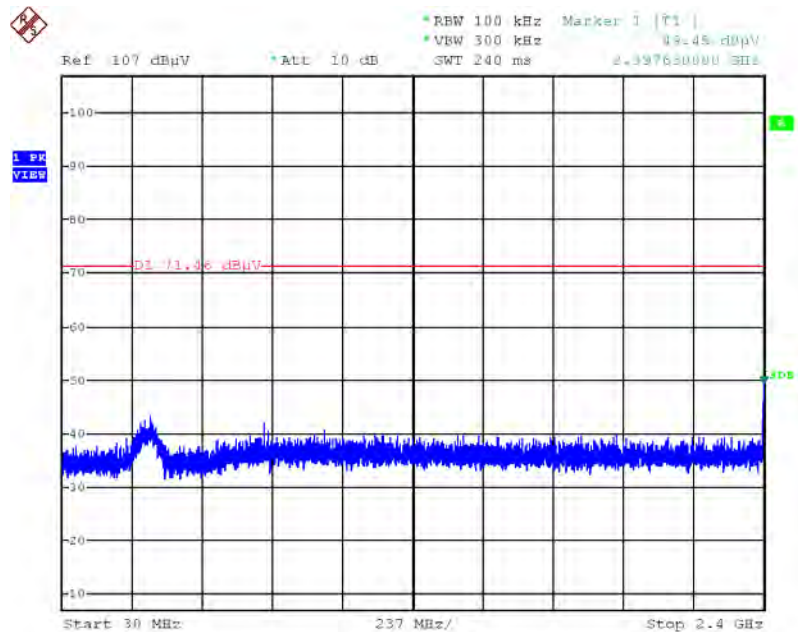
Date: 22.OCT.2015 14:29:40

Plot on Configuration IEEE 802.11g / Reference Level



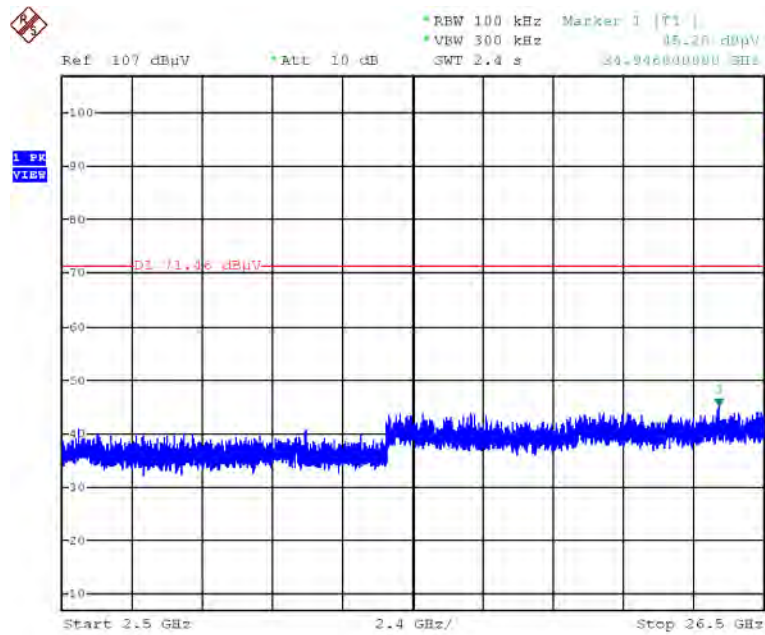
Date: 22.OCT.2015 14:31:55

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



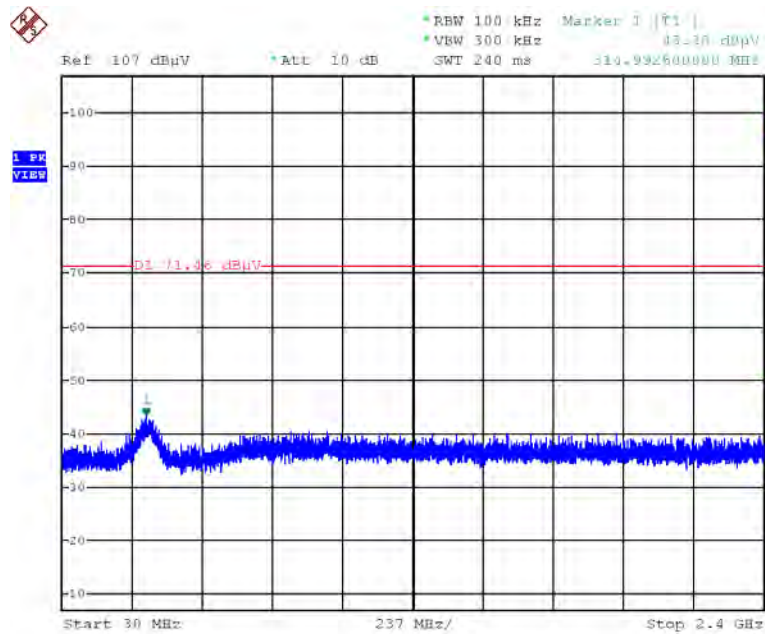
Date: 22.OCT.2015 14:32:51

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



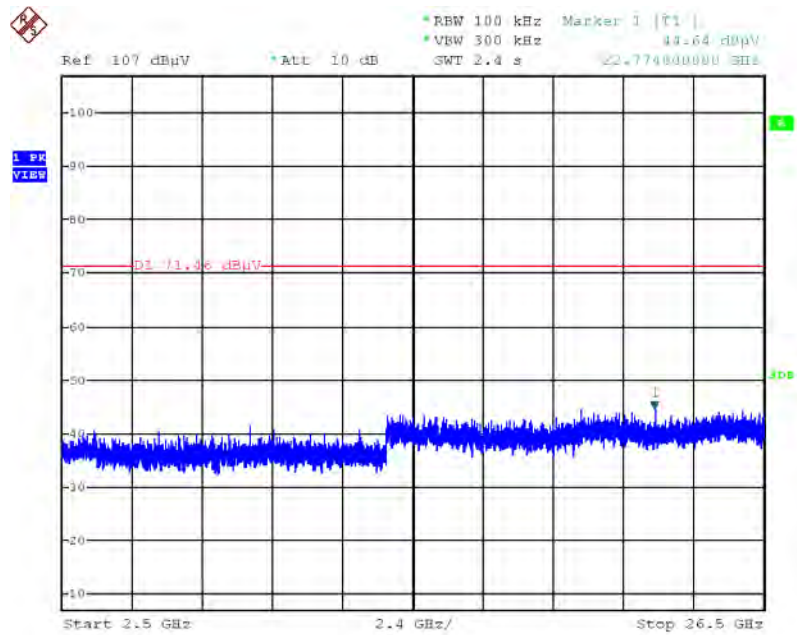
Date: 22.OCT.2015 14:33:17

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



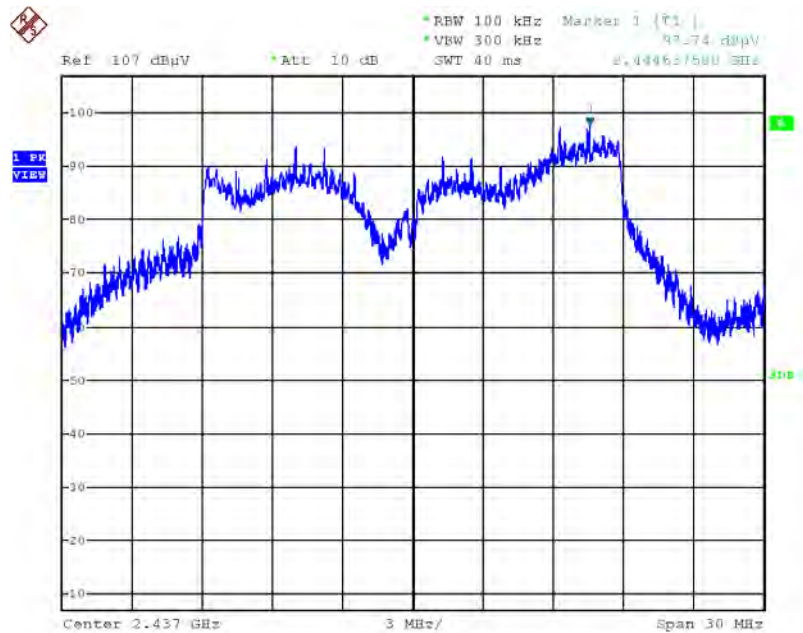
Date: 22.OCT.2015 14:33:52

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



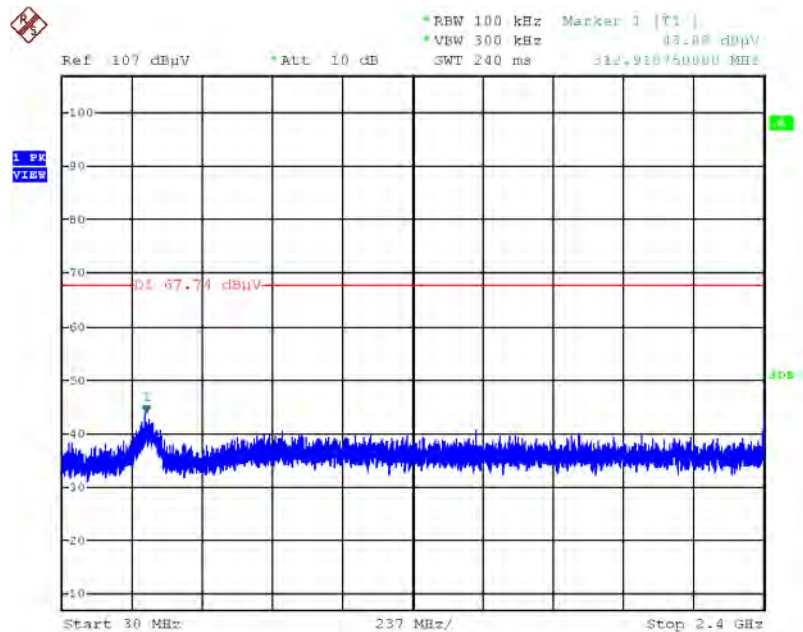
Date: 22.OCT.2015 14:34:15

Plot on Configuration IEEE 802.11n MCS0 HT20 / Reference Level



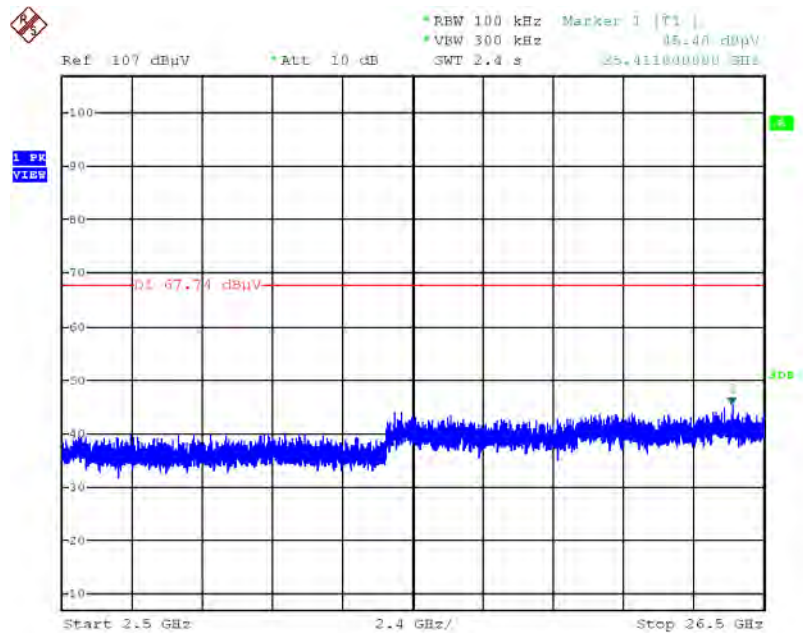
Date: 22.OCT.2015 14:35:06

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



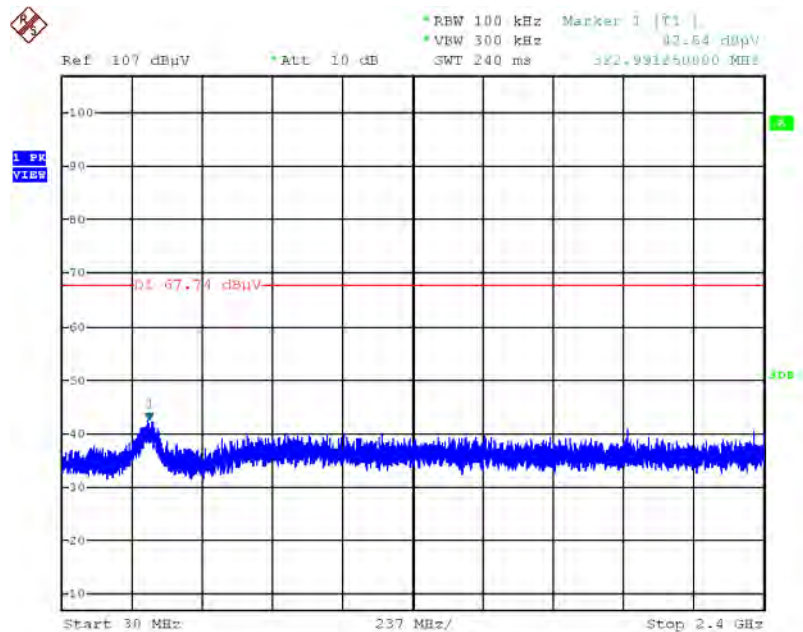
Date: 22.OCT.2015 14:35:56

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



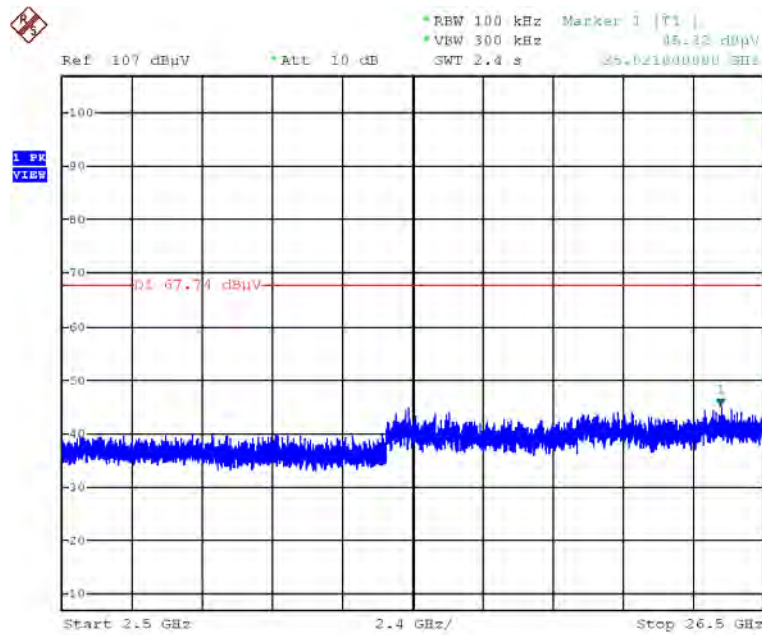
Date: 22.OCT.2015 14:36:23

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



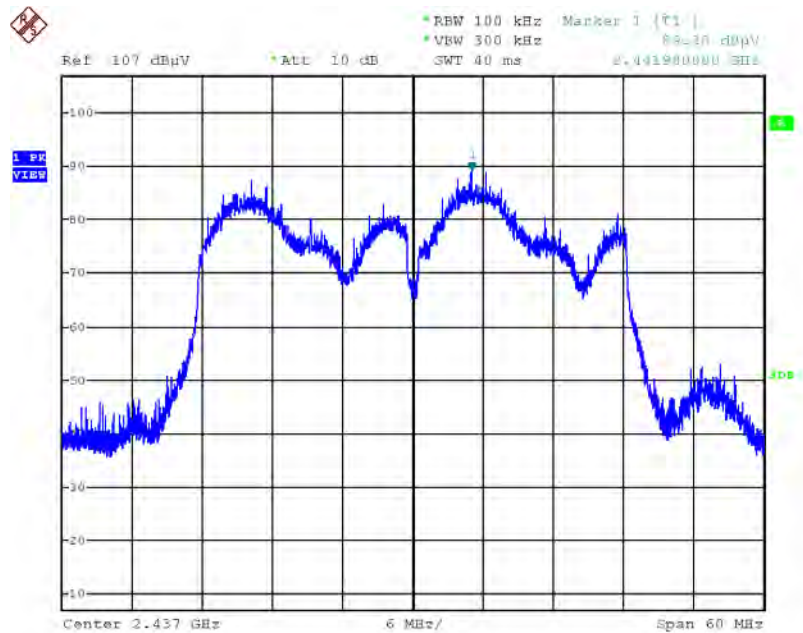
Date: 22.OCT.2015 14:37:06

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



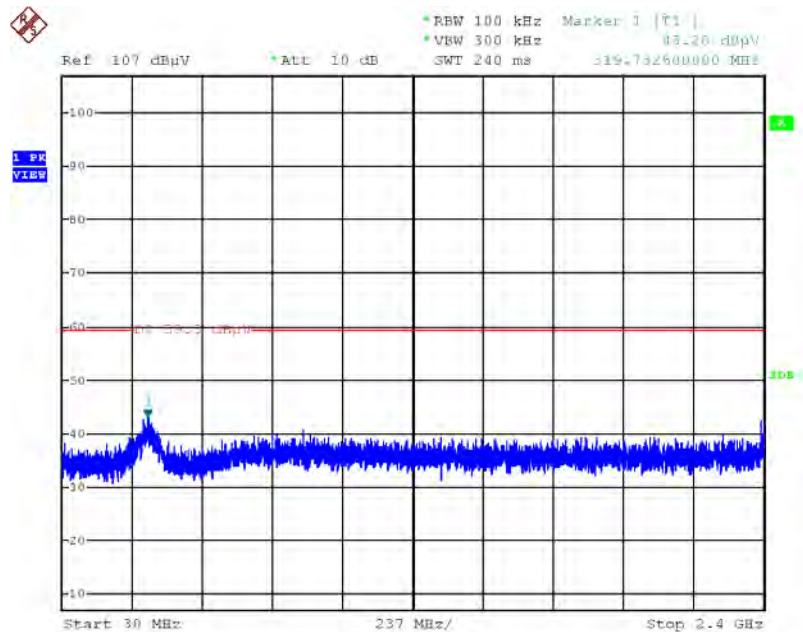
Date: 22.OCT.2015 14:37:36

Plot on Configuration IEEE 802.11n MCS0 HT40 / Reference Level



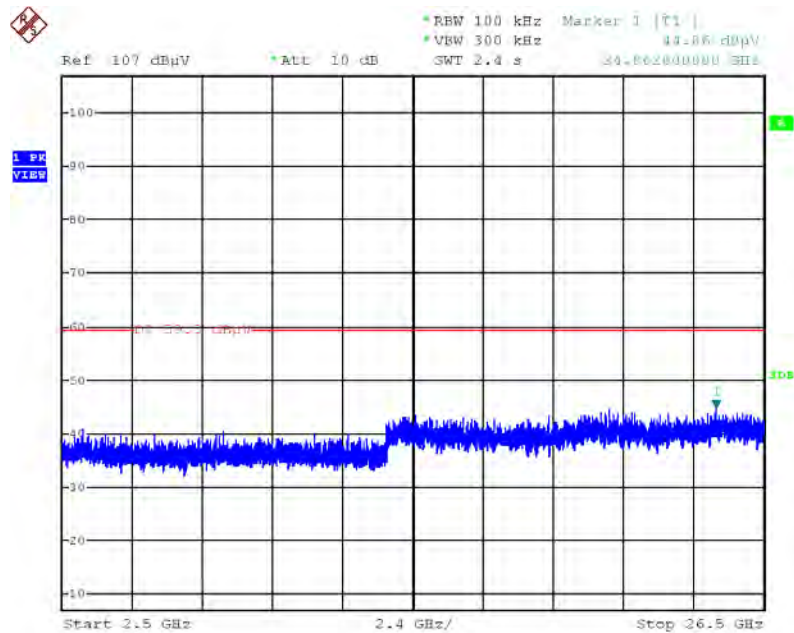
Date: 22.OCT.2015 14:38:25

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



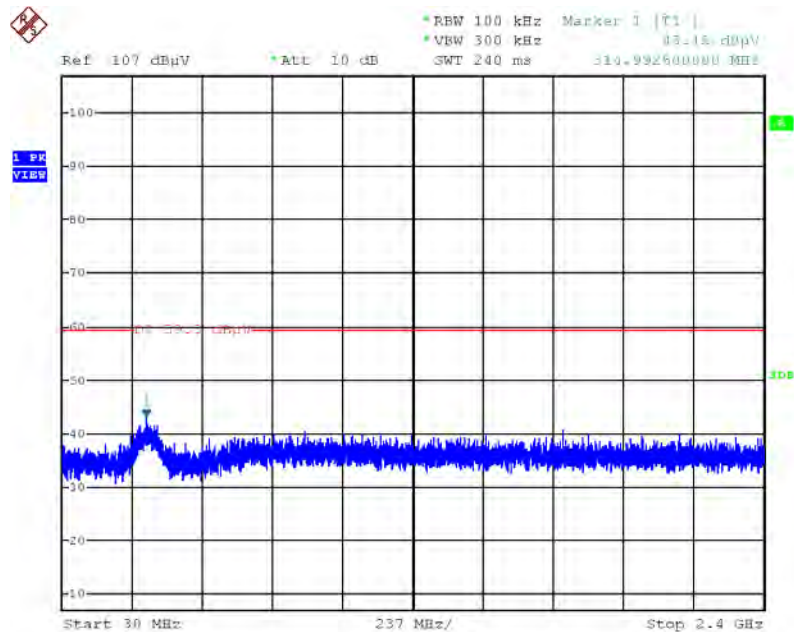
Date: 22.OCT.2015 14:39:12

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



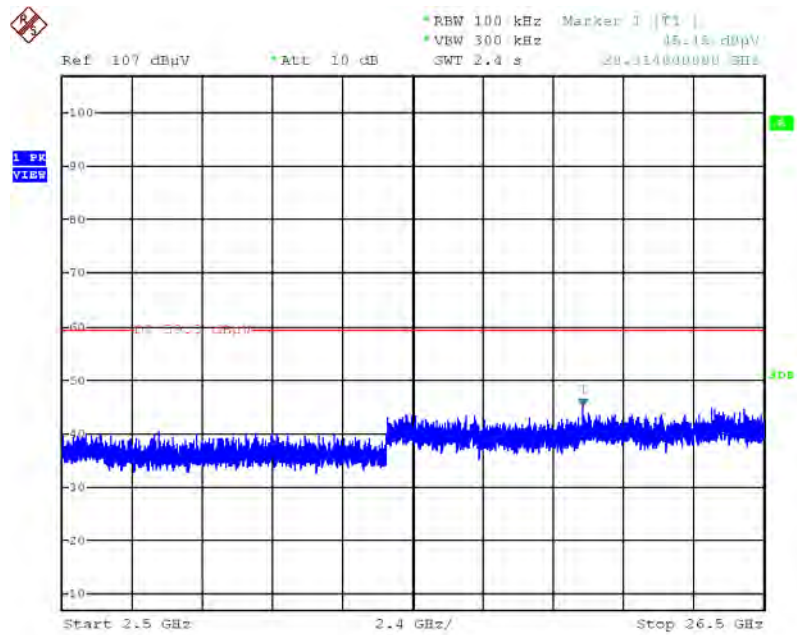
Date: 22.OCT.2015 14:39:37

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



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

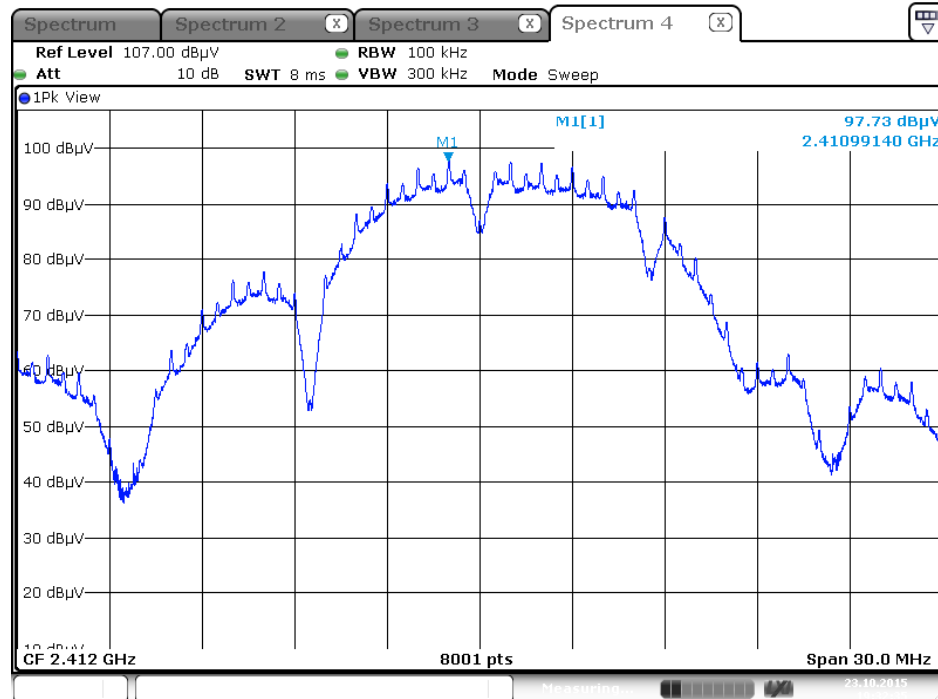
Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 9 / 2500MHz~26500MHz (down 30dBc)



Date: 22.OCT.2015 14:40:34

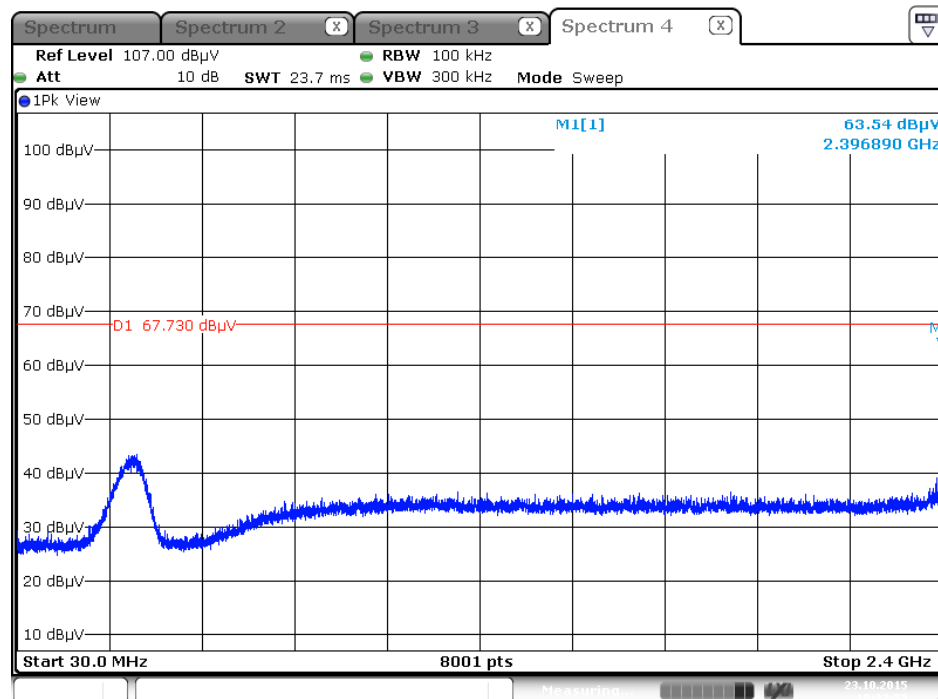
Mode 6: EUT 1 + Set 8 Dipole Antenna / 4.66 dBi

Plot on Configuration IEEE 802.11b / Reference Level



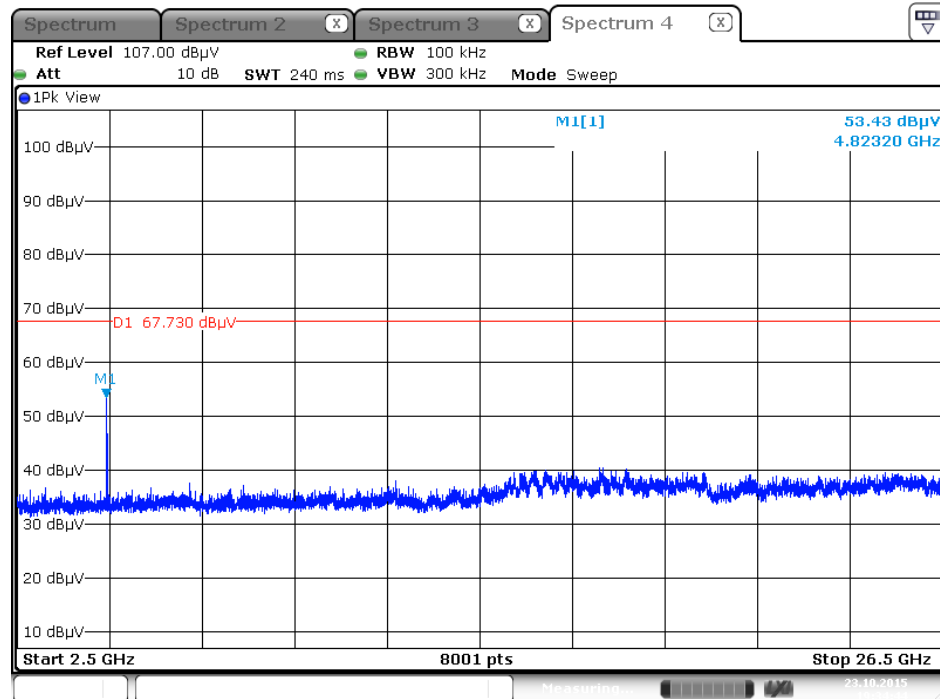
Date: 23.0 CT.2015 19:32:35

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



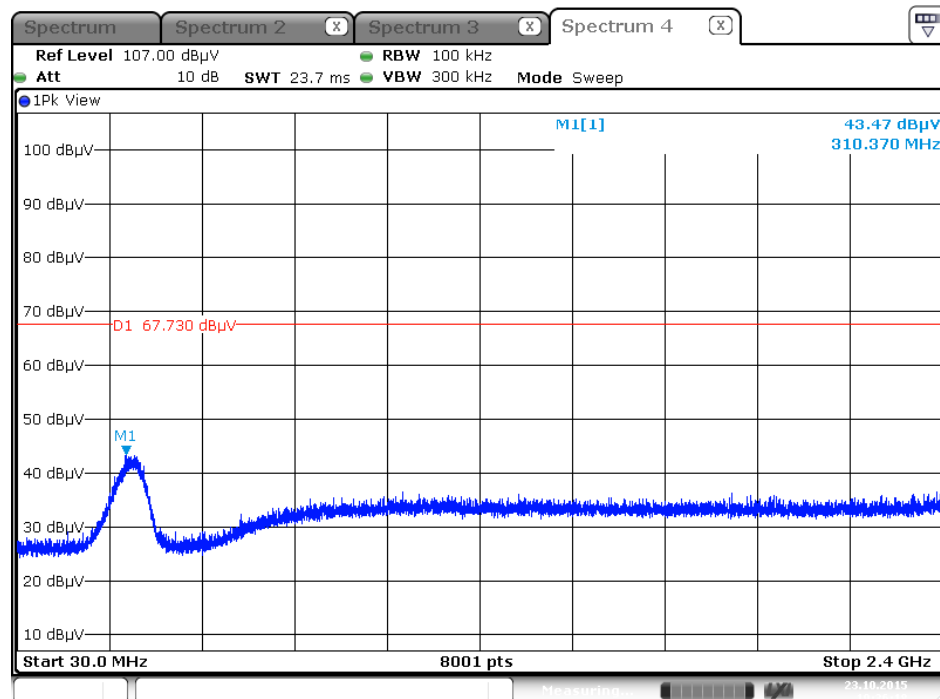
Date: 23.0 CT.2015 19:33:56

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



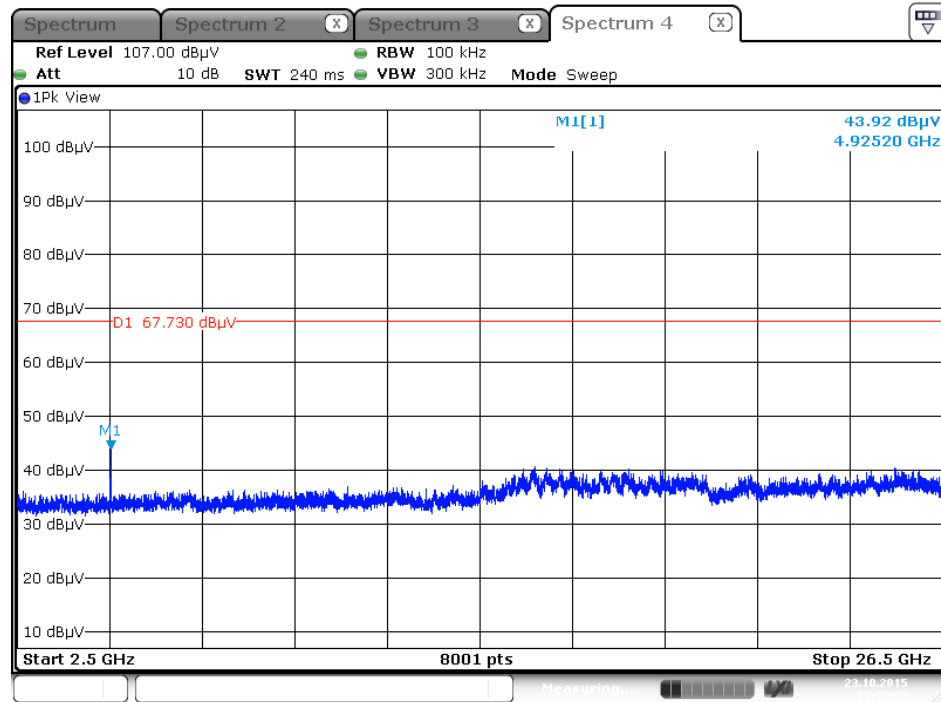
Date: 23.0 CT.2015 19:34:45

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



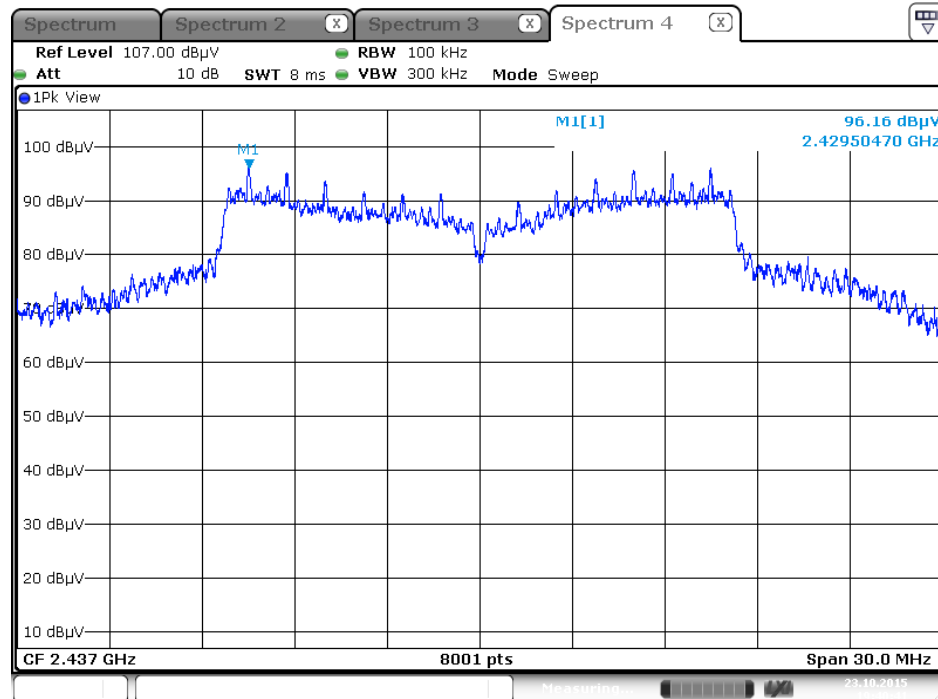
Date: 23.0 CT.2015 19:36:19

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

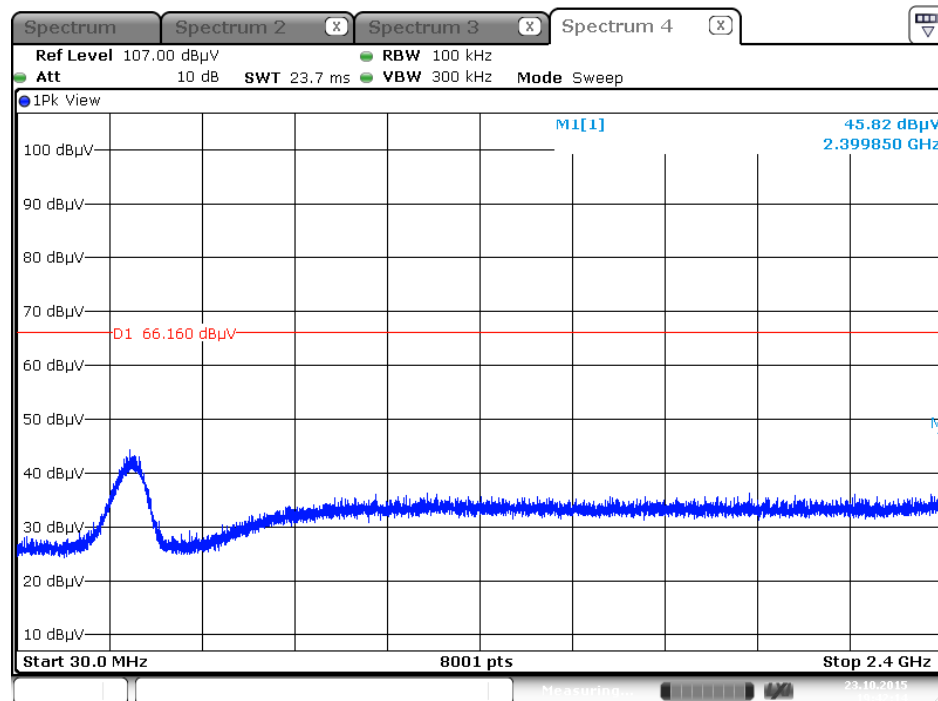


Date: 23.0 CT. 2015 19:35:38

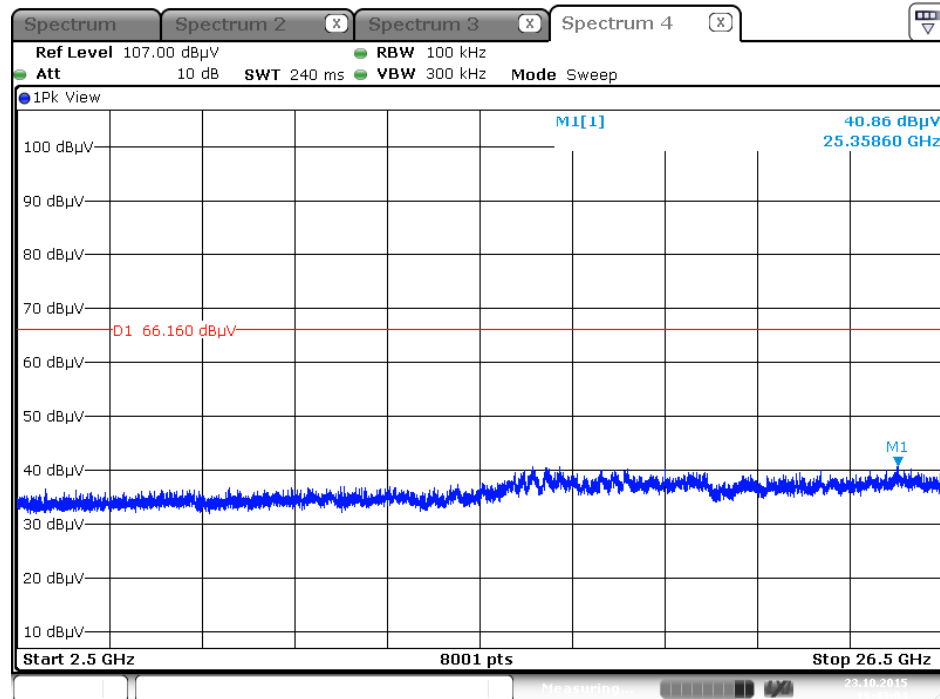
Plot on Configuration IEEE 802.11g / Reference Level



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

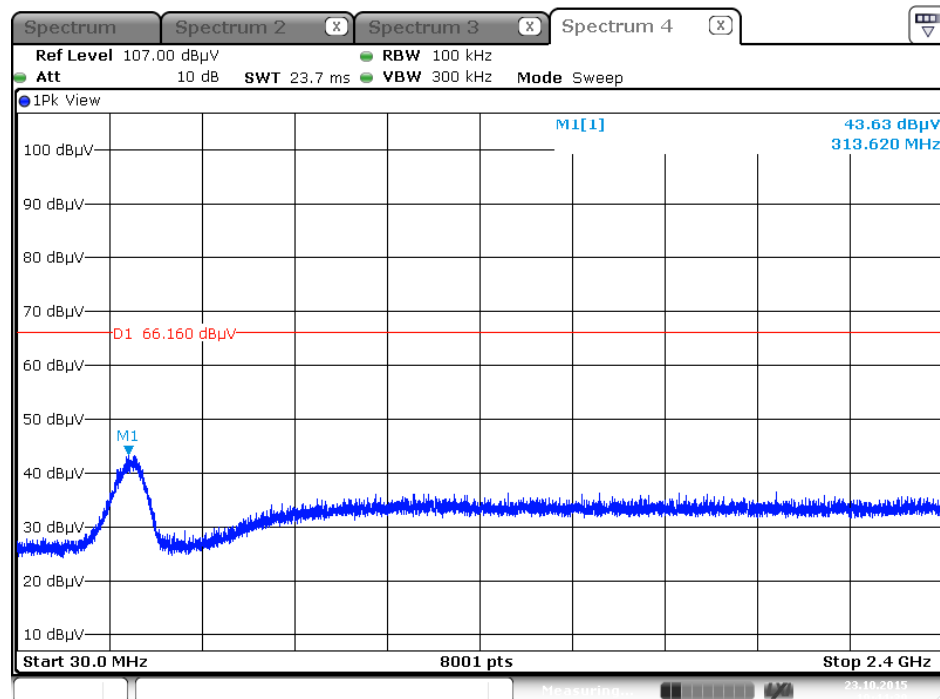


Plot on Configuration IEEE 802.11g / CH 1 / 2500MHz~26500MHz (down 30dBc)



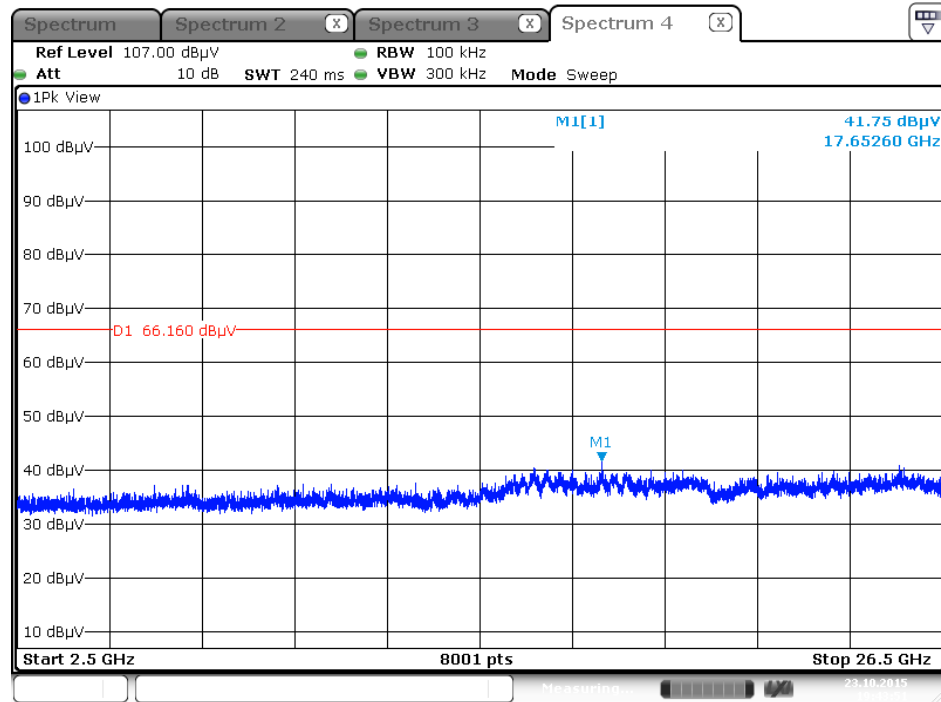
Date: 23.0 CT.2015 19:43:04

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



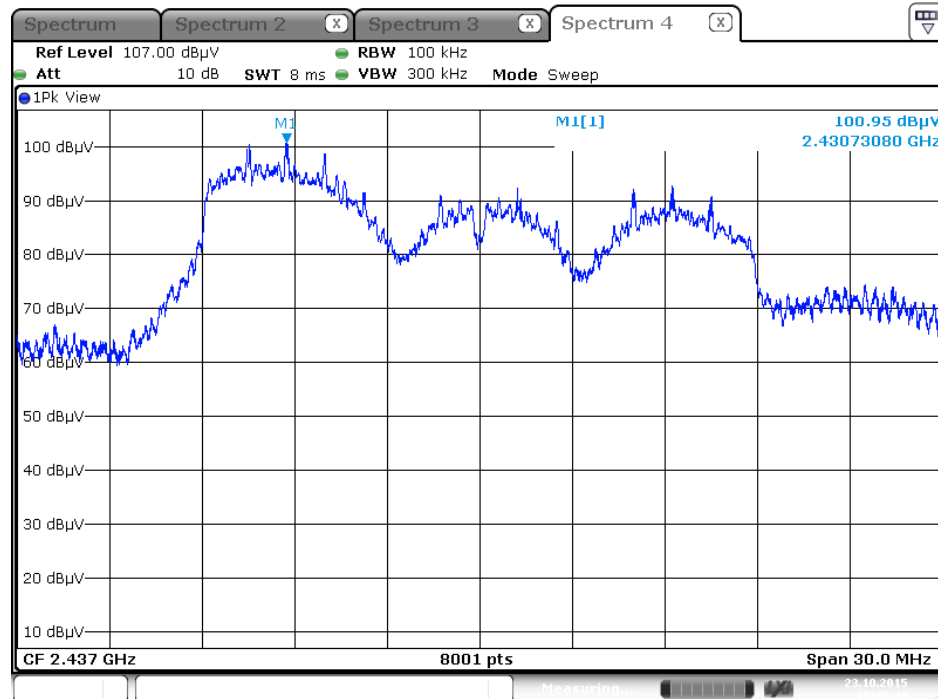
Date: 23.0 CT.2015 19:44:40

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

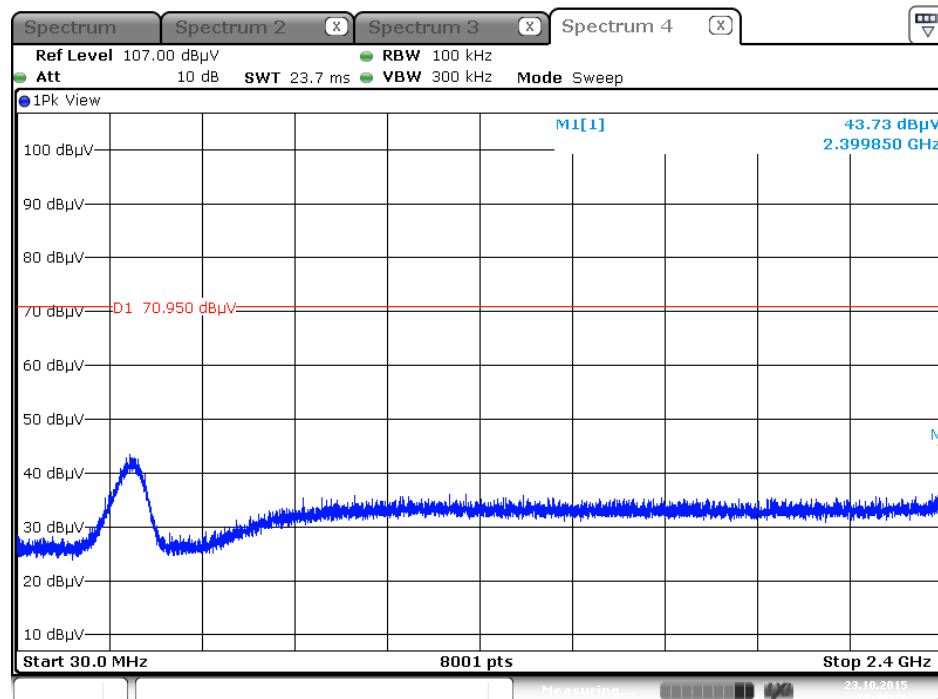


Date: 23.0 CT.2015 19:43:51

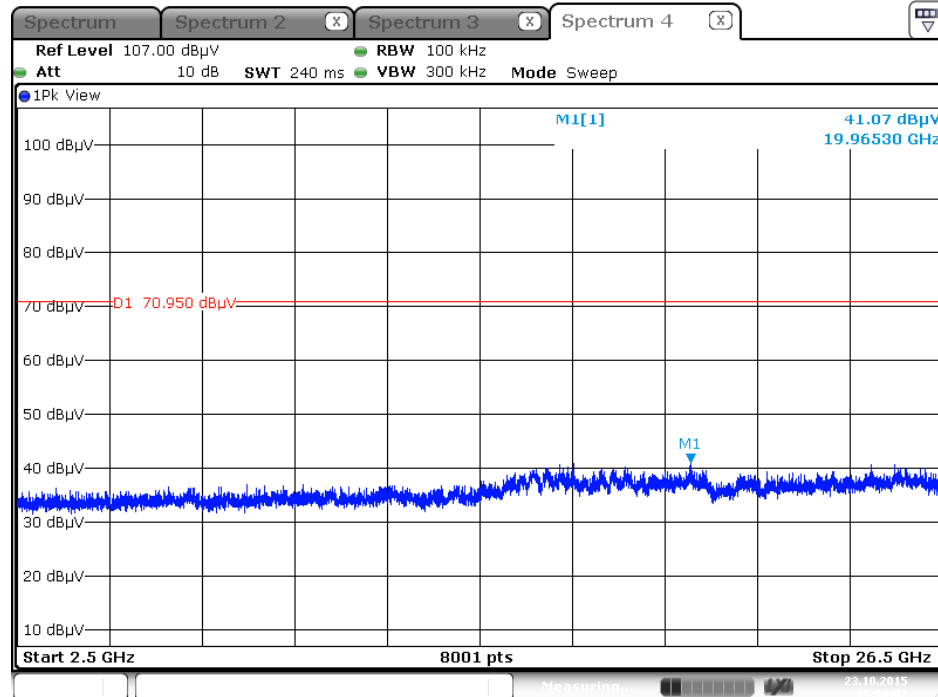
Plot on Configuration IEEE 802.11n MCS0 HT20 / Reference Level



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

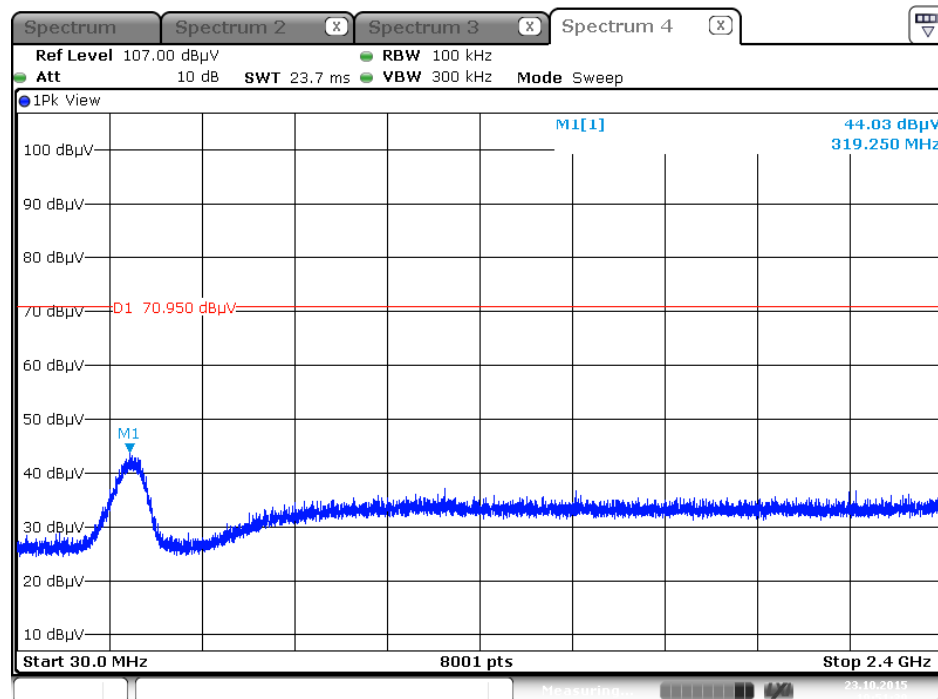


Plot on Configuration IEEE 802.11n MCS0 HT20 / CH 1 / 2500MHz~26500MHz (down 30dBc)



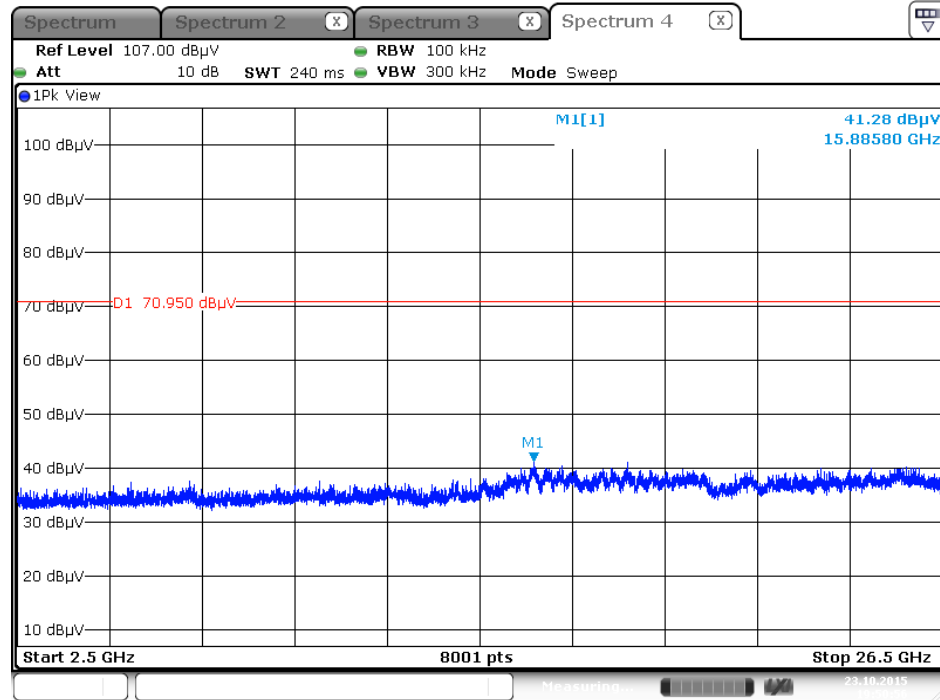
Date: 23.0 CT.2015 19:50:01

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



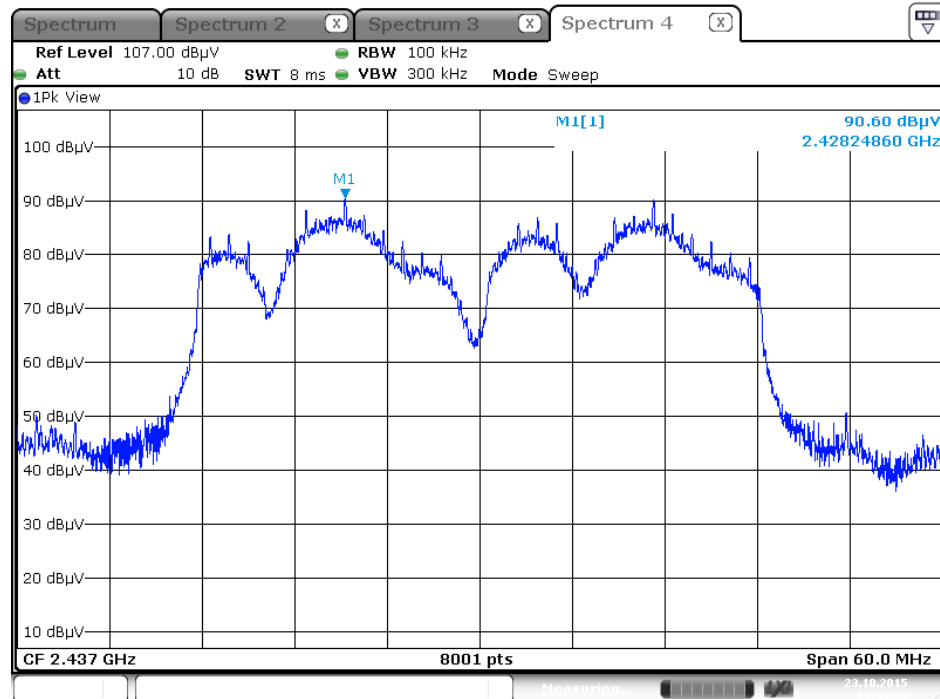
Date: 23.0 CT.2015 19:51:39

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

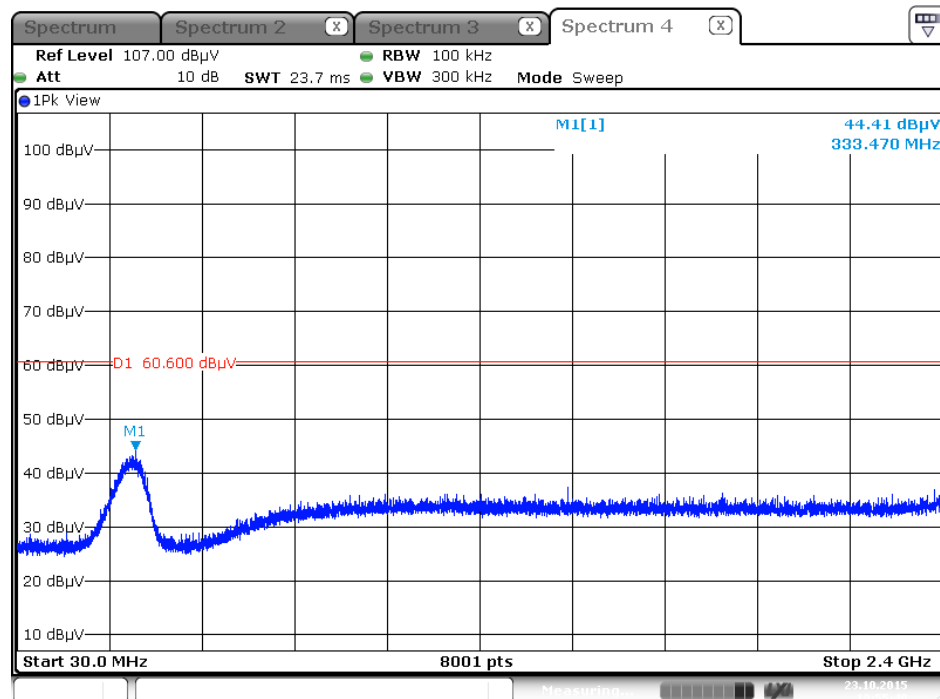


Date: 23.0 CT.2015 19:50:57

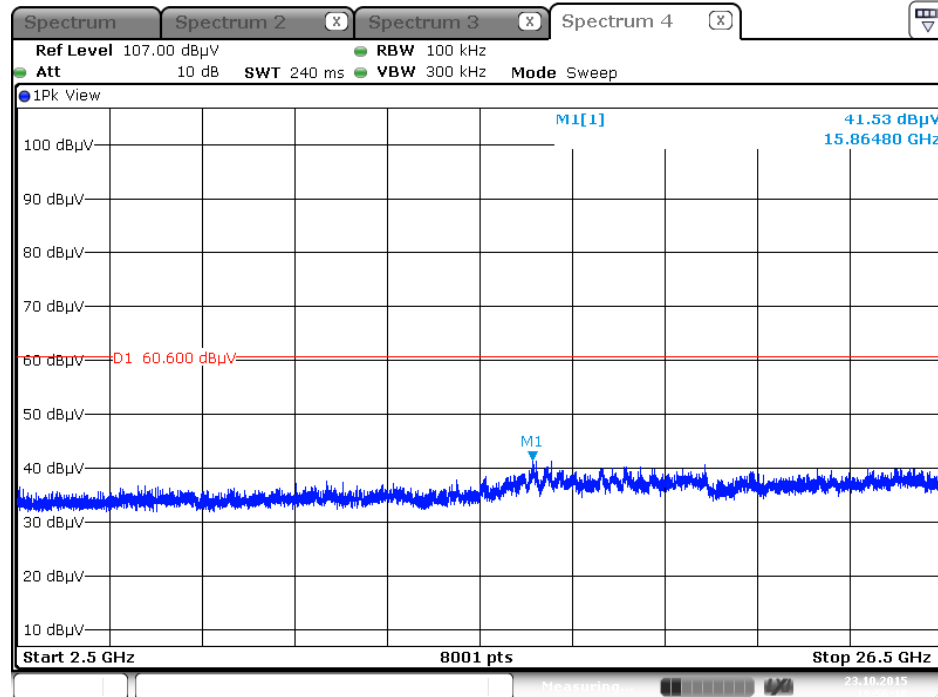
Plot on Configuration IEEE 802.11n MCS0 HT40 / Reference Level



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

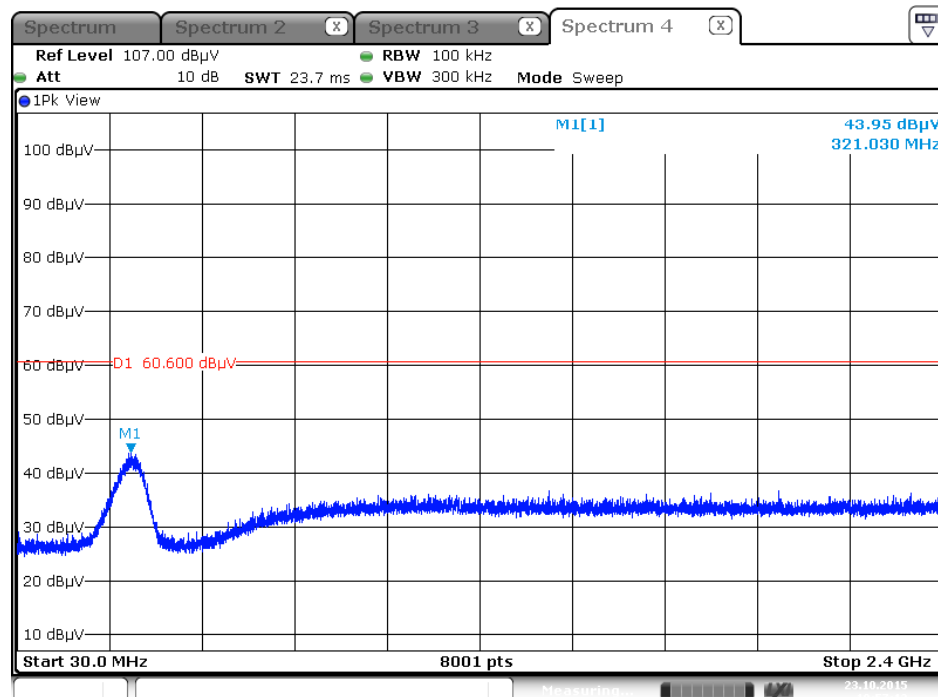


Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 3 / 2500MHz~26500MHz (down 30dBc)



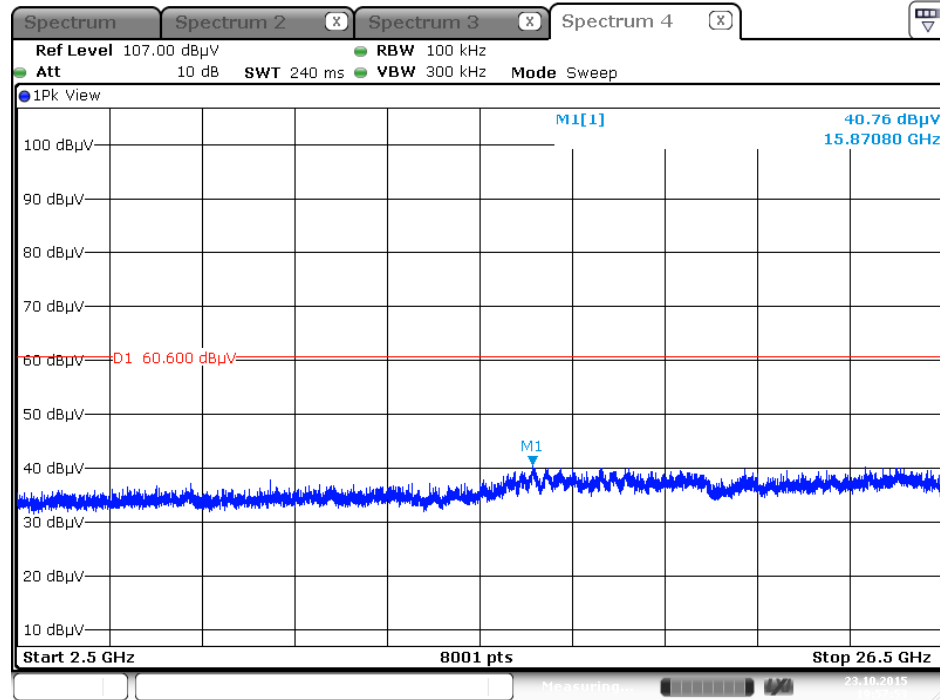
Date: 23.0 CT.2015 19:56:18

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



Date: 23.0 CT.2015 19:57:12

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



Date: 23.0 CT.2015 19:57:53

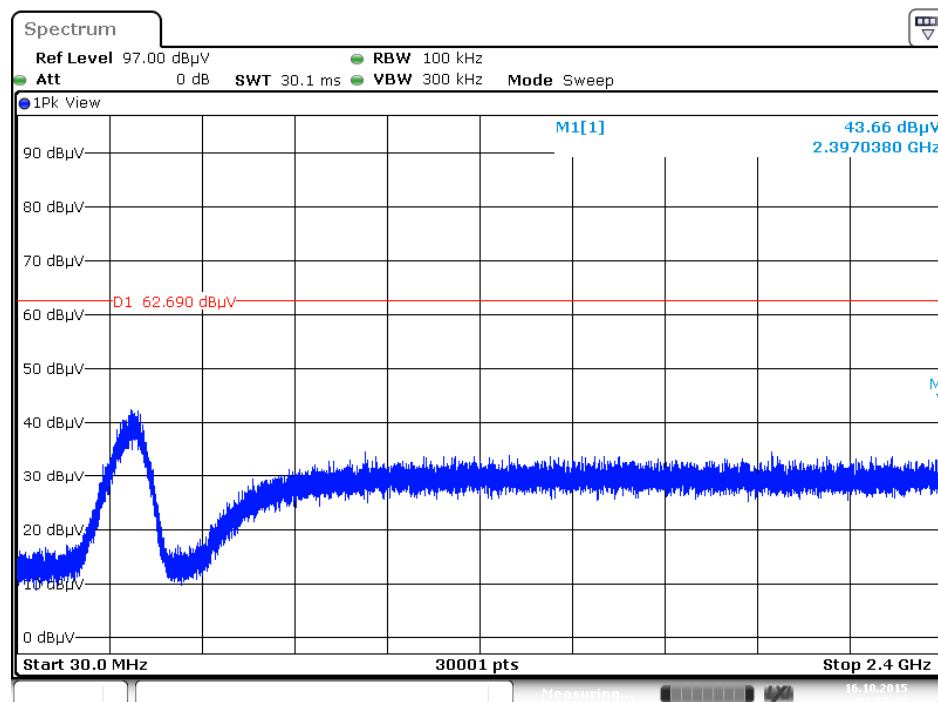
Mode 7: EUT 2 + Set 10 PIFA Antenna / Chain1:3.81 dBi, Chain2:3.75 dBi, Chain3:3.98 dBi, Chain4:3.47 dBi

Plot on Configuration IEEE 802.11b / Reference Level



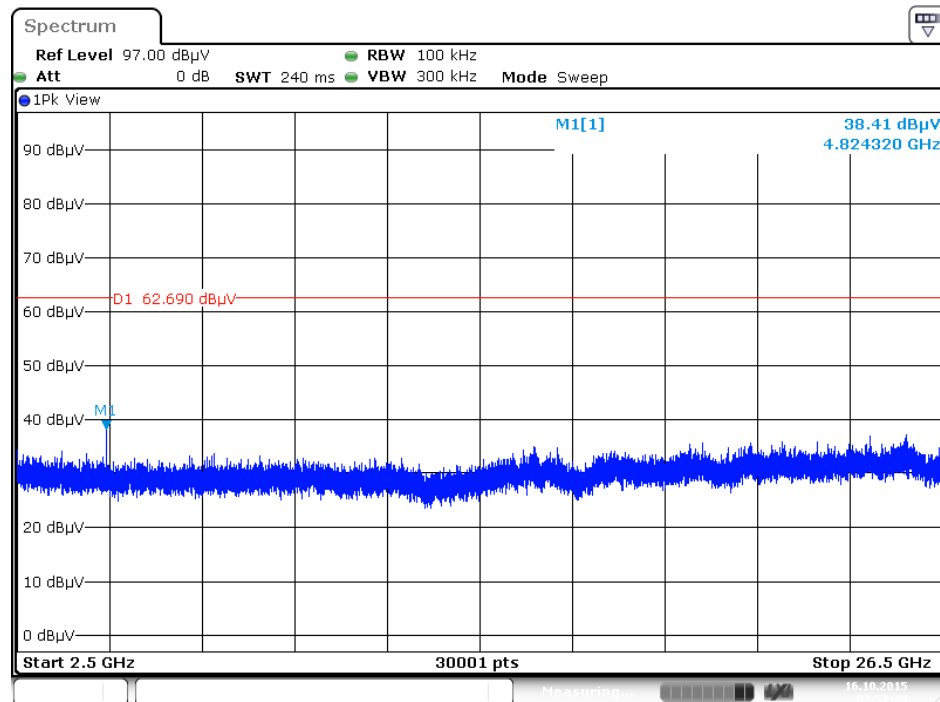
Date: 16.0 CT.2015 02:56:30

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



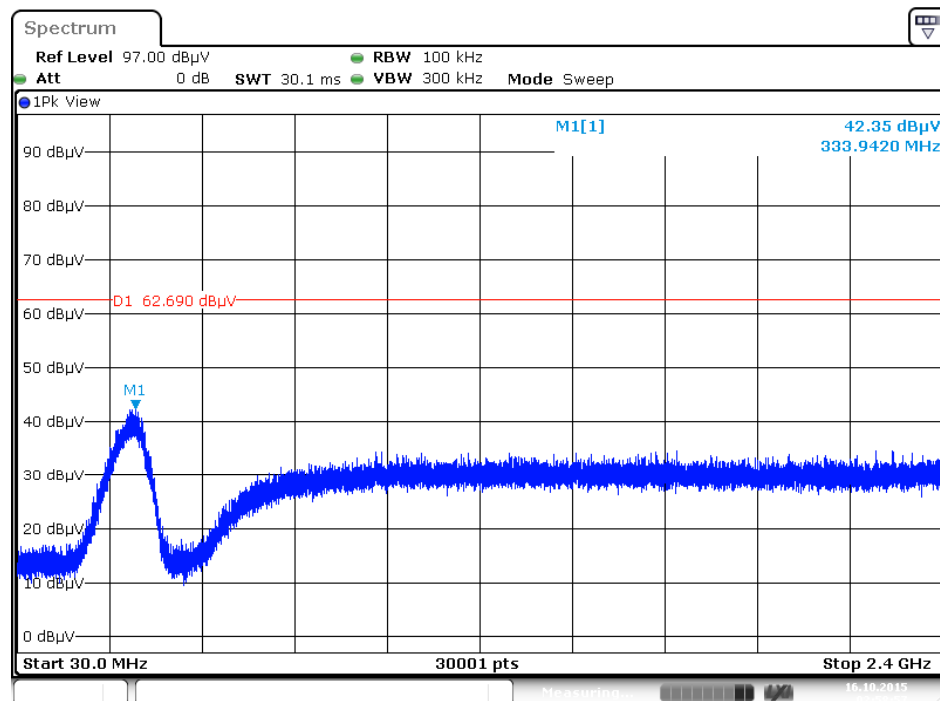
Date: 16.0 CT.2015 02:57:23

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



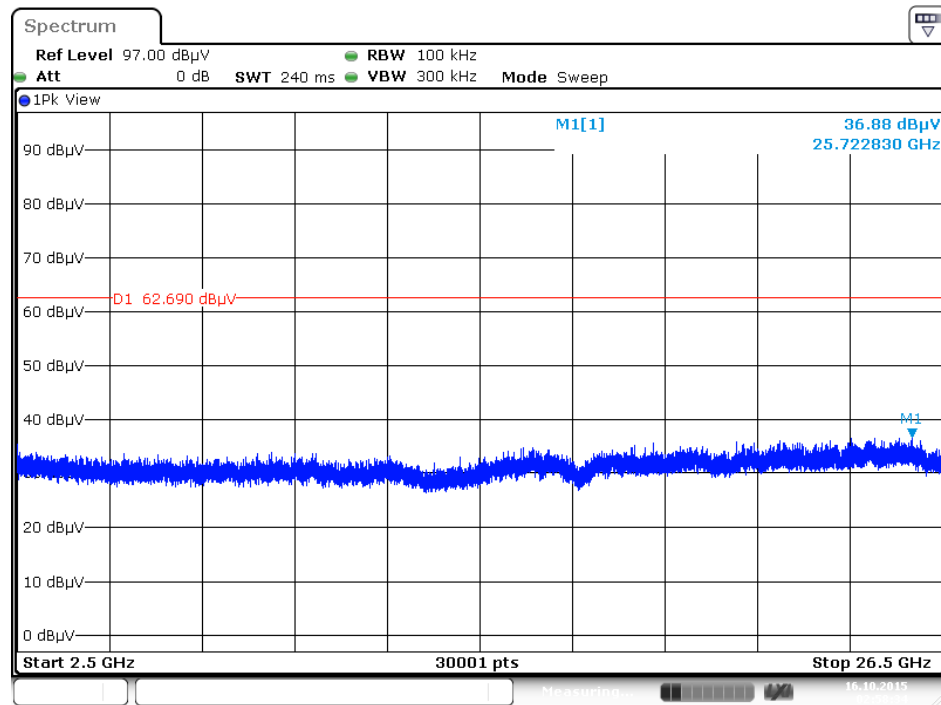
Date: 16.0 CT. 2015 02:57:49

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



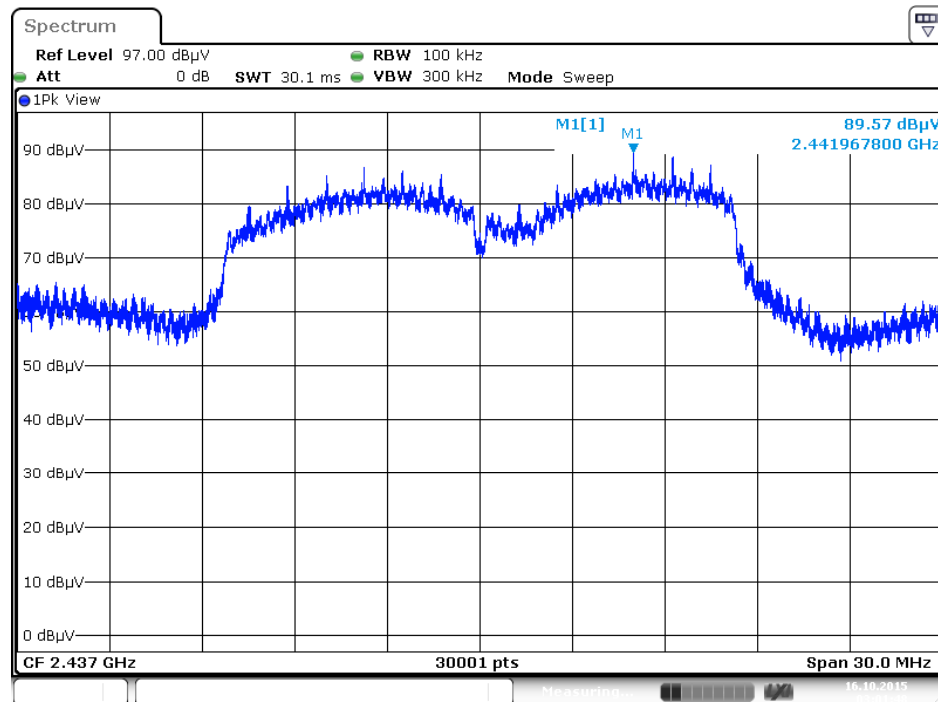
Date: 16.0 CT. 2015 02:58:57

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

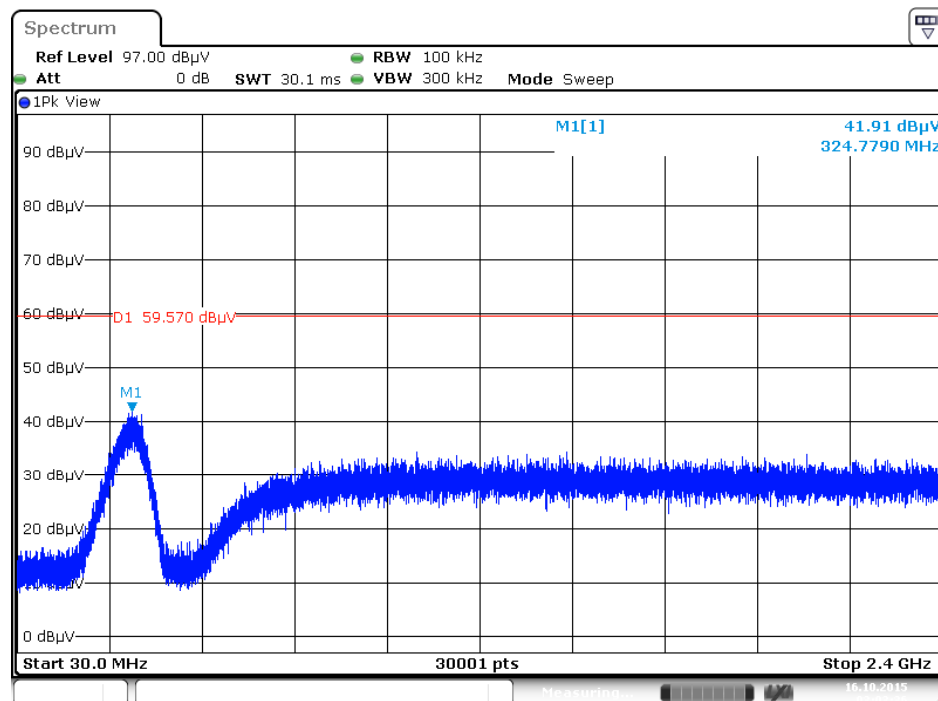


Date: 16.0 CT.2015 02:58:34

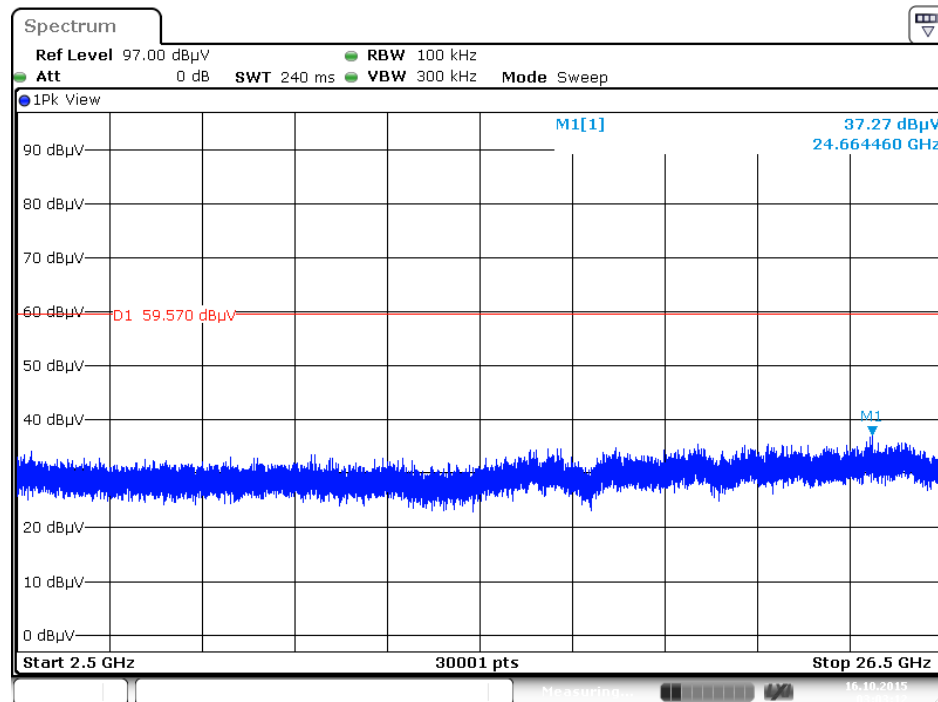
Plot on Configuration IEEE 802.11g / Reference Level



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

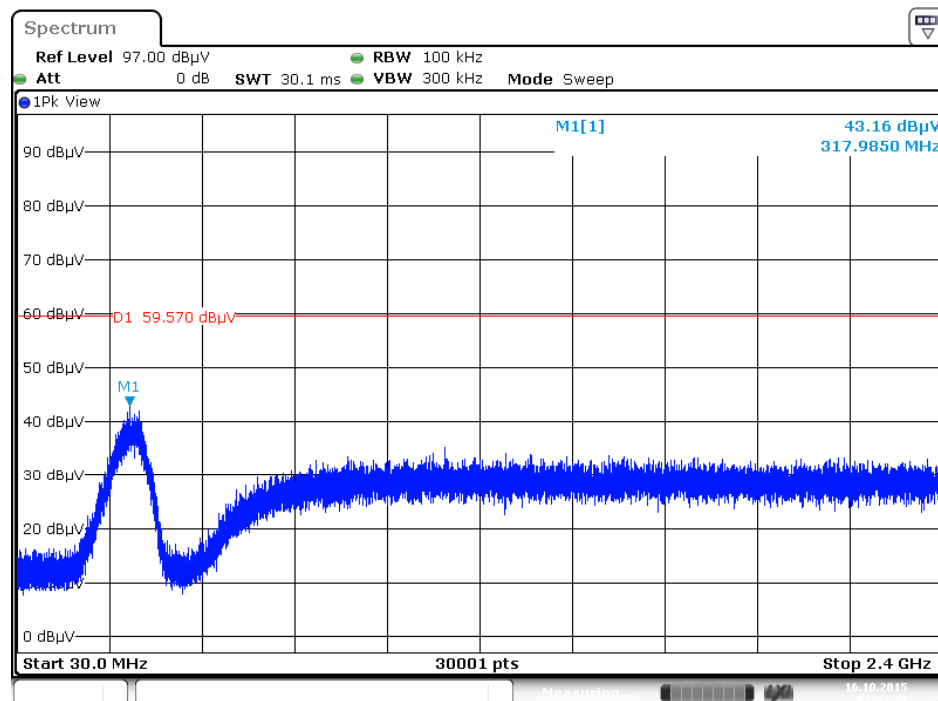


Plot on Configuration IEEE 802.11g / CH 1 / 2500MHz~26500MHz (down 30dBc)



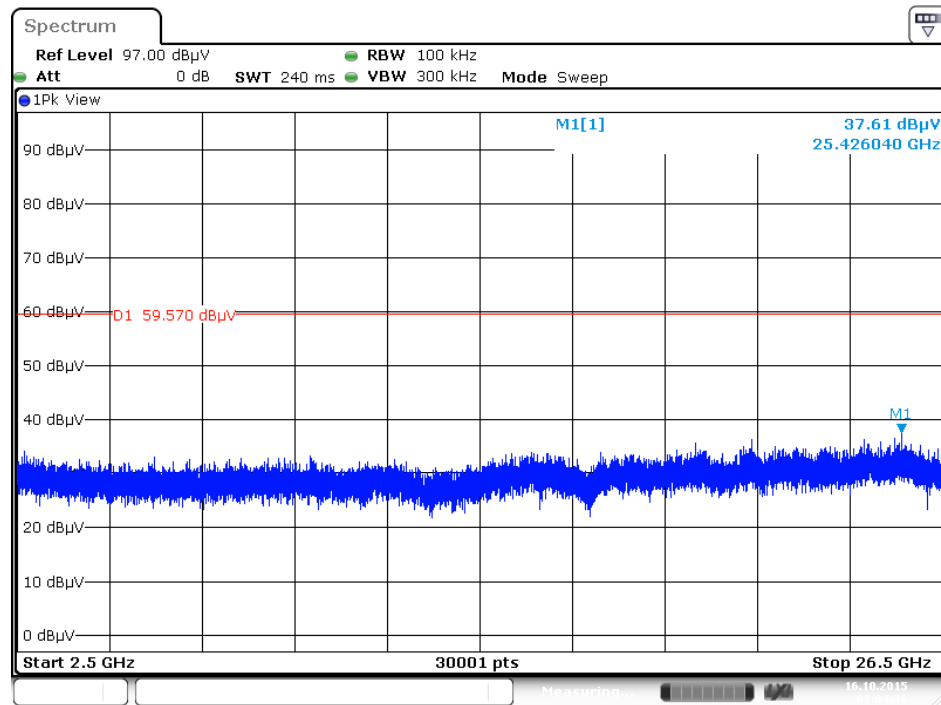
Date: 16.0 CT.2015 03:03:12

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



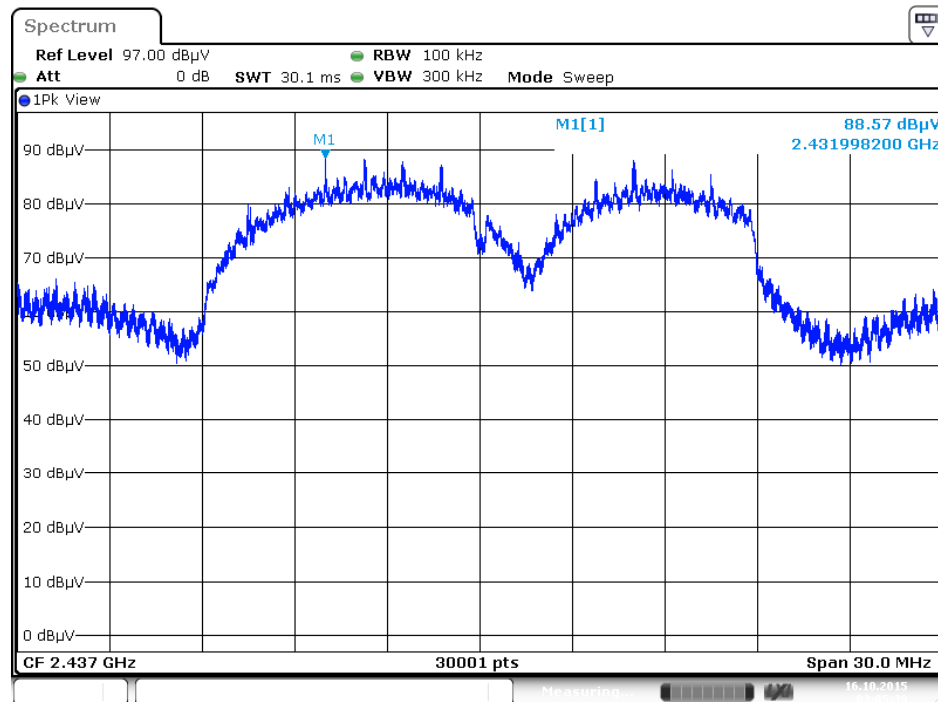
Date: 16.0 CT.2015 03:04:21

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



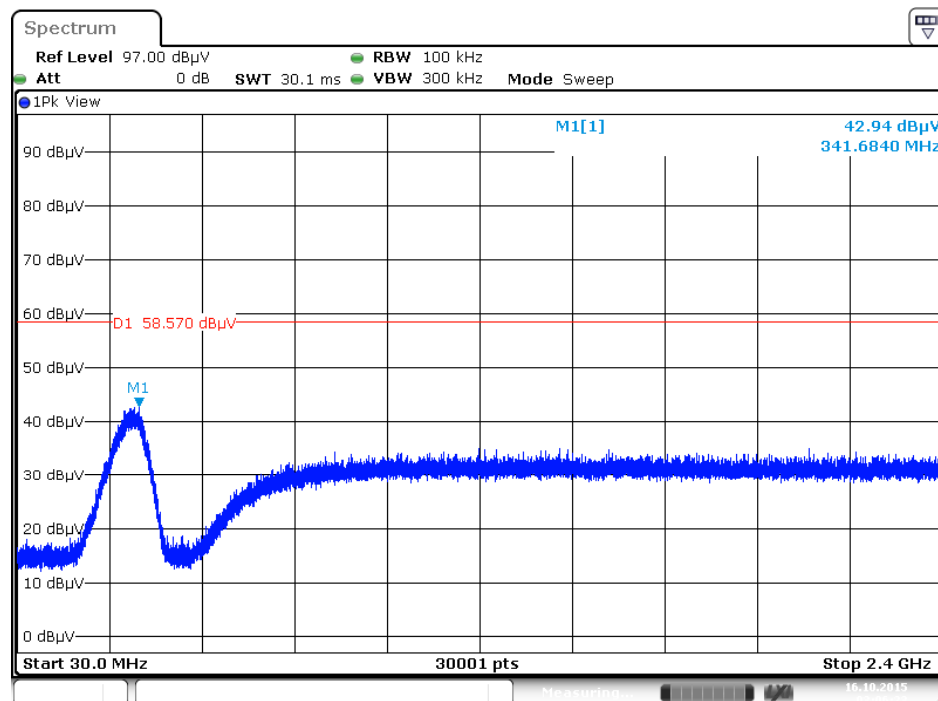
Date: 16.0 CT.2015 03:04:36

Plot on Configuration IEEE 802.11n MCS0 HT20 / Reference Level



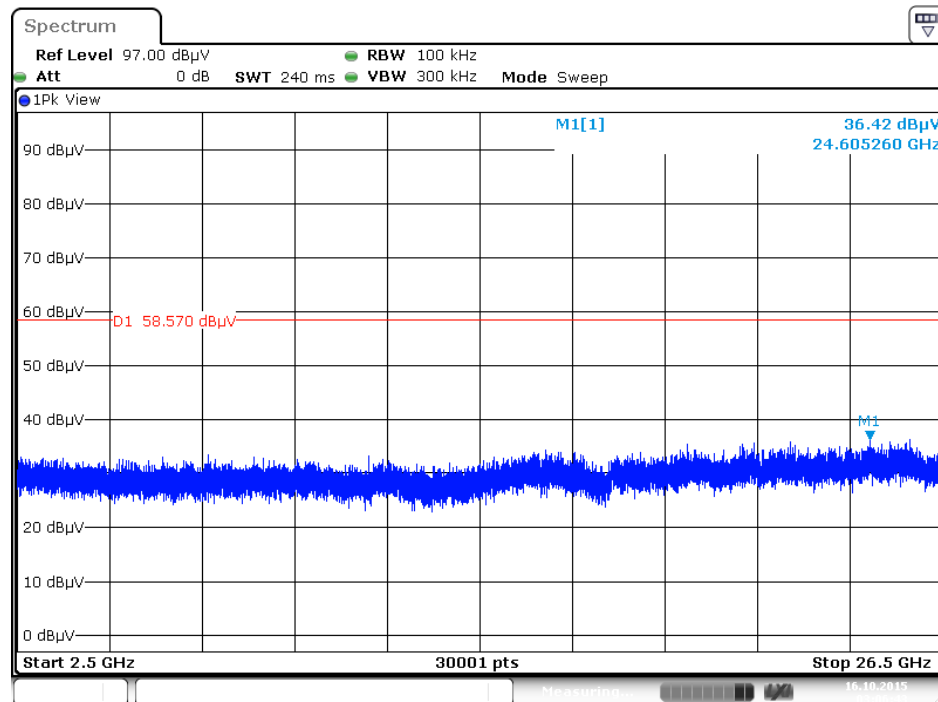
Date: 16.0 CT.2015 03:05:39

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



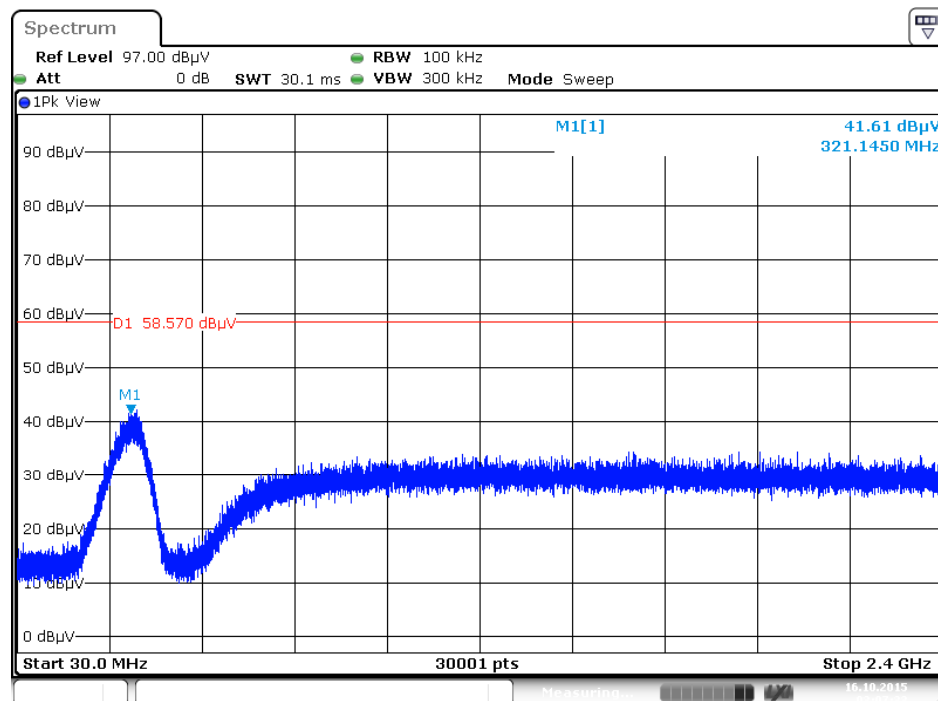
Date: 16.0 CT.2015 03:06:23

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



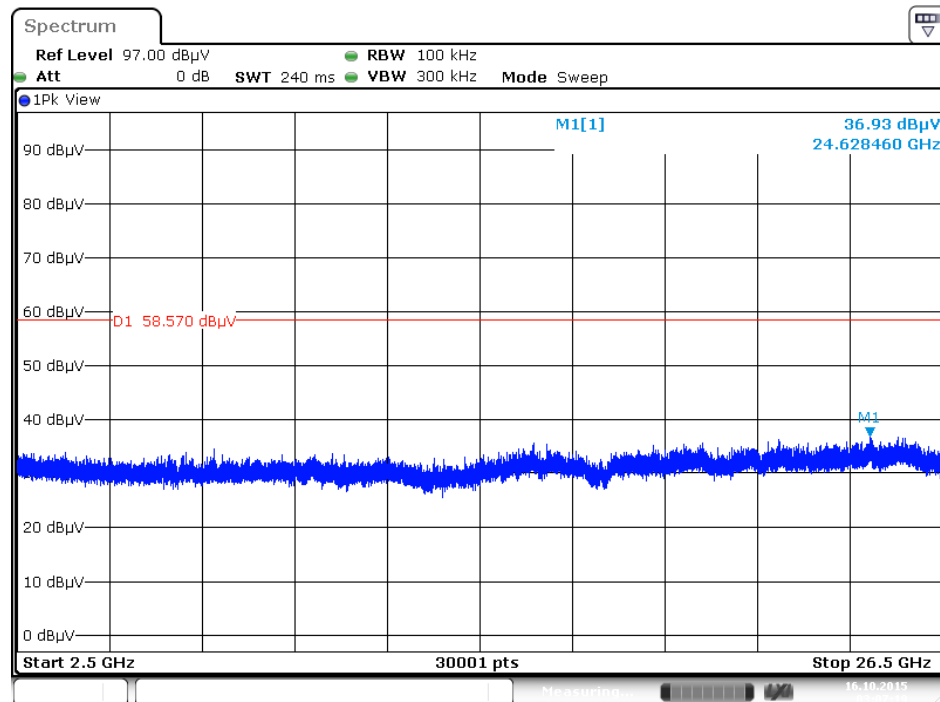
Date: 16.0 CT.2015 03:06:43

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



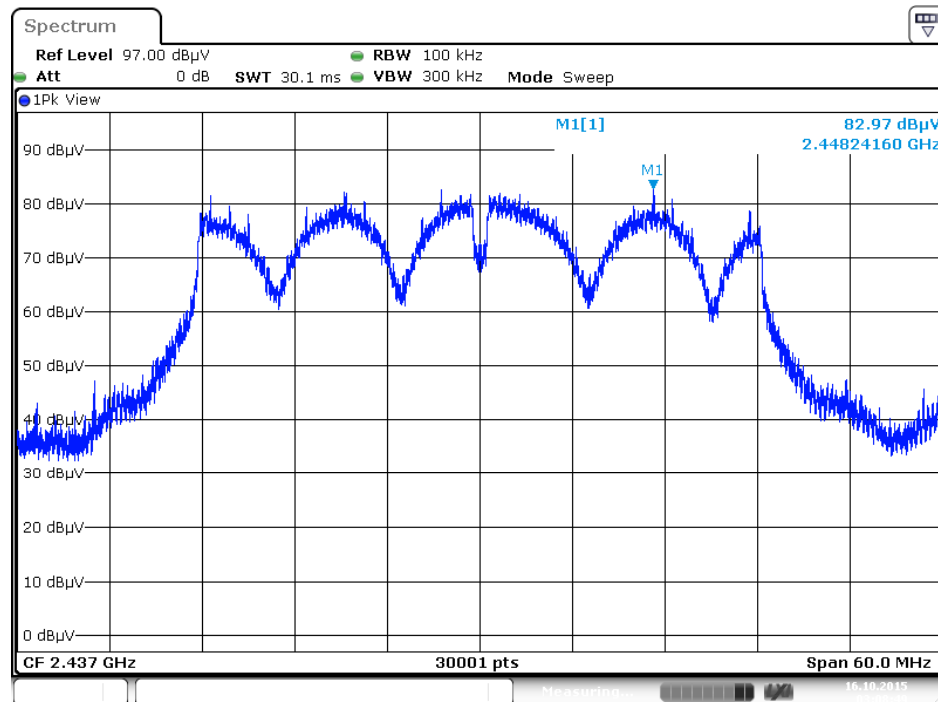
Date: 16.0 CT.2015 03:07:33

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

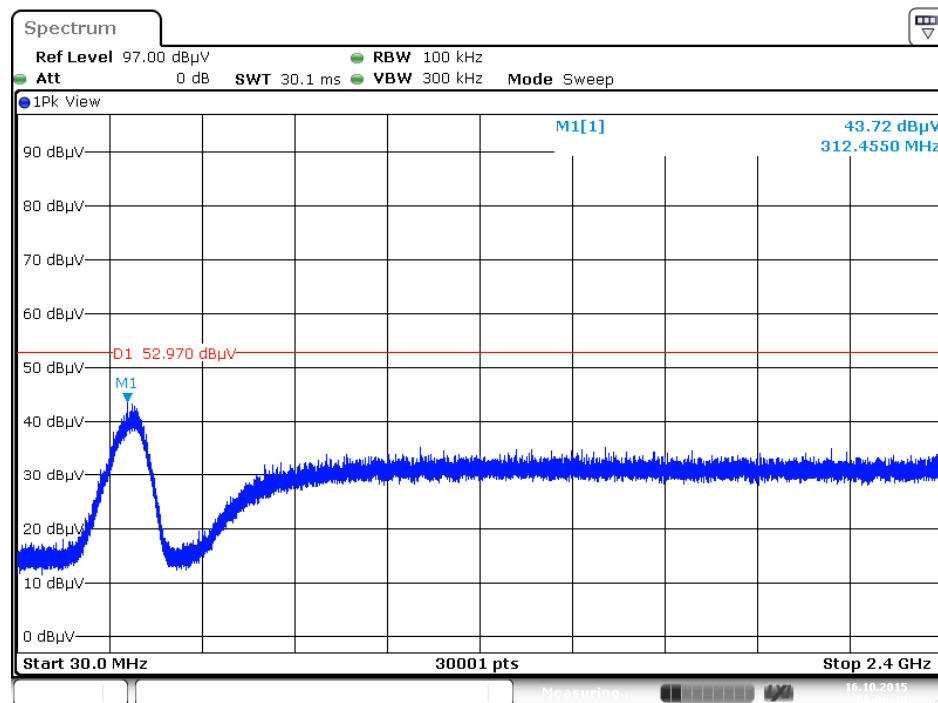


Date: 16.10.2015 03:07:20

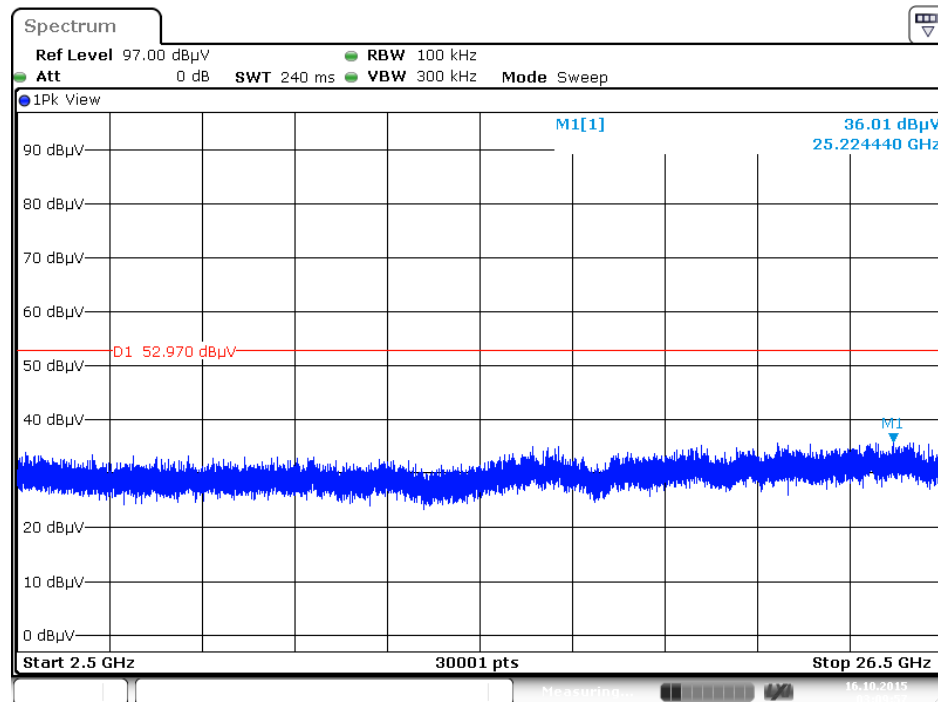
Plot on Configuration IEEE 802.11n MCS0 HT40 / Reference Level



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

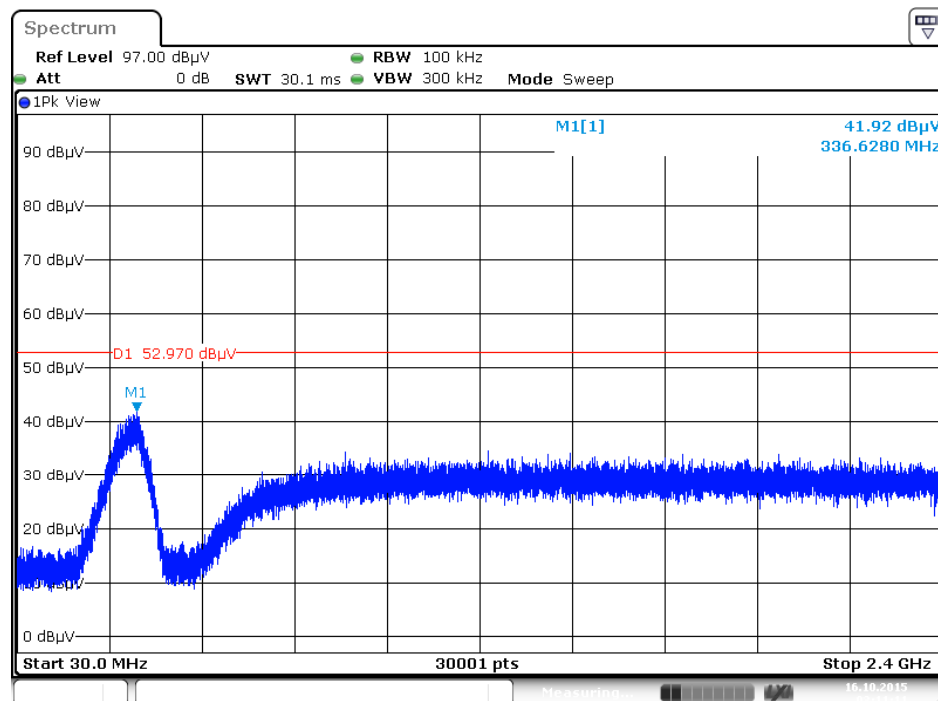


Plot on Configuration IEEE 802.11n MCS0 HT40 / CH 3 / 2500MHz~26500MHz (down 30dBc)



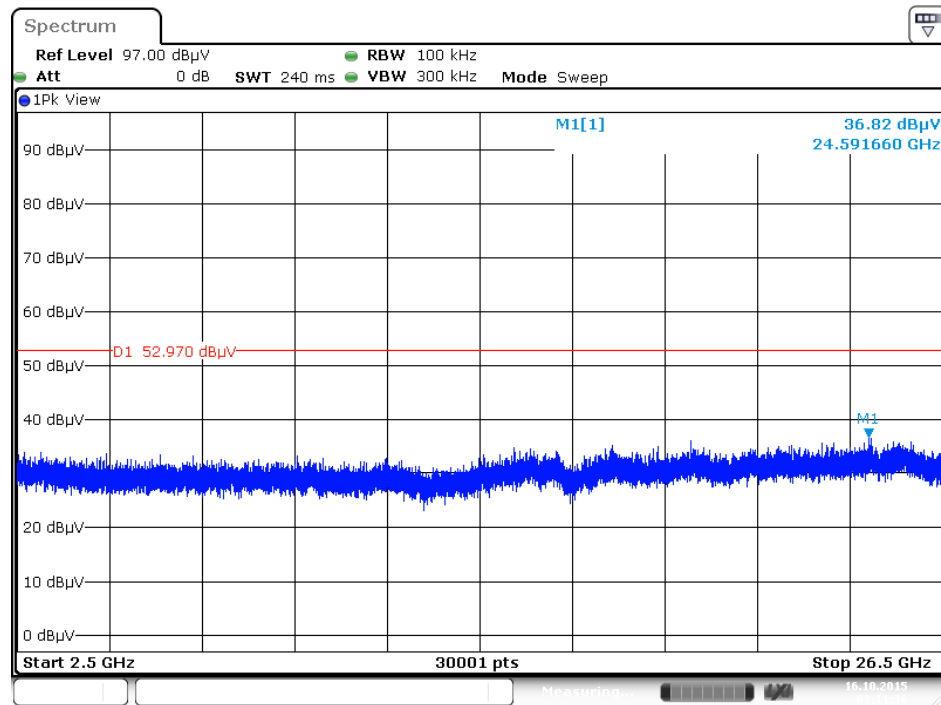
Date: 16.0 CT.2015 03:09:58

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



Date: 16.0 CT.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%