

Temperature	25°C	Humidity	65%
Test Engineer	Serway Lee	Configurations	IEEE 802.11n MCS0 20MHz Ch 1, 6, 11 / Chain 1 + Chain 2
Test Mode	Mode 5 (Ant. 5 Facade antenna / 2.5dBi) (2TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2390.00	52.54	54.00	-1.46	22.15	2.22	28.17	0.00	Average	100	185	HORIZONTAL
2	2390.00	68.38	74.00	-5.62	37.99	2.22	28.17	0.00	Peak	100	185	HORIZONTAL
3	2413.40	101.76				2.22	28.21	0.00	Average	100	185	HORIZONTAL
4	2414.20	112.66				2.22	28.21	0.00	Peak	100	185	HORIZONTAL

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2389.80	72.90	74.00	-1.10	42.51	2.22	28.17	0.00	Peak	100	175	HORIZONTAL
2	2390.00	50.83	54.00	-3.17	20.44	2.22	28.17	0.00	Average	100	175	HORIZONTAL
3	2429.40	117.69				2.23	28.25	0.00	Peak	100	175	HORIZONTAL
4	2429.60	107.34				2.23	28.25	0.00	Average	100	175	HORIZONTAL
5	2485.10	49.68	54.00	-4.32	19.00	2.26	28.42	0.00	Average	100	175	HORIZONTAL
6	2486.10	67.81	74.00	-6.19	37.13	2.26	28.42	0.00	Peak	100	175	HORIZONTAL

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

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2464.20	111.43				2.24	28.33	0.00	Peak	117	183	HORIZONTAL
2	2465.20	100.77				2.24	28.33	0.00	Average	117	183	HORIZONTAL
3	2483.50	52.94	54.00	-1.06	22.30	2.26	28.38	0.00	Average	117	183	HORIZONTAL
4	2484.50	67.97	74.00	-6.03	37.33	2.26	28.38	0.00	Peak	117	183	HORIZONTAL

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

Temperature	25°C	Humidity	65%
Test Engineer	Serway Lee	Configurations	IEEE 802.11n MCS8 20MHz Ch 1, 6, 11 / Chain 1 + Chain 2
Test Mode	Mode 5 (Ant. 5 Facade antenna / 2.5dBi) (2TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2390.00	52.69	54.00	-1.31	22.30	2.22	28.17	0.00	Average	100	184	HORIZONTAL
2	2390.00	65.77	74.00	-8.23	35.38	2.22	28.17	0.00	Peak	100	184	HORIZONTAL
3	2417.00	98.69				2.23	28.25	0.00	Average	100	184	HORIZONTAL
4	2417.60	110.44				2.23	28.25	0.00	Peak	100	184	HORIZONTAL

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2389.80	69.61	74.00	-4.39	39.22	2.22	28.17	0.00	Peak	100	176	HORIZONTAL
2	2390.00	52.65	54.00	-1.35	22.26	2.22	28.17	0.00	Average	100	176	HORIZONTAL
3	2430.40	103.65				2.23	28.25	0.00	Average	100	176	HORIZONTAL
4	2432.60	115.01				2.23	28.25	0.00	Peak	100	176	HORIZONTAL
5	2483.50	51.01	54.00	-2.99	20.37	2.26	28.38	0.00	Average	100	176	HORIZONTAL
6	2484.30	65.27	74.00	-8.73	34.63	2.26	28.38	0.00	Peak	100	176	HORIZONTAL

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

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2466.40	110.71				2.26	28.33	0.00	Peak	100	340	VERTICAL
2	2467.00	98.65				2.26	28.33	0.00	Average	100	340	VERTICAL
3	2483.50	52.77	54.00	-1.23	22.14	2.26	28.37	0.00	Average	100	340	VERTICAL
4	2483.50	69.15	74.00	-4.85	38.52	2.26	28.37	0.00	Peak	100	340	VERTICAL

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

Temperature	25°C	Humidity	65%
Test Engineer	Serway Lee	Configurations	IEEE 802.11n MCS0 20MHz Ch 1, 6, 11 / Chain 1 + Chain 2 + Chain 3
Test Mode	Mode 5 (Ant. 5 Facade antenna / 2.5dBi) (3TX)		

Channel 1

	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	2390.00	52.85	54.00	-1.15	22.46	2.22	28.17	0.00 Average	100	29	VERTICAL
2	2390.00	65.52	74.00	-8.48	35.13	2.22	28.17	0.00 Peak	100	29	VERTICAL
3	2409.60	110.57				2.22	28.21	0.00 Peak	100	29	VERTICAL
4	2410.00	100.94				2.22	28.21	0.00 Average	100	29	VERTICAL

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

Channel 6

	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	2390.00	52.12	54.00	-1.88	21.73	2.22	28.17	0.00 Average	100	175	HORIZONTAL
2	2390.00	71.70	74.00	-2.30	41.31	2.22	28.17	0.00 Peak	100	175	HORIZONTAL
3	2429.00	115.62				2.23	28.25	0.00 Peak	100	175	HORIZONTAL
4	2429.80	106.65				2.23	28.25	0.00 Average	100	175	HORIZONTAL
5	2483.90	63.54	74.00	-10.46	32.90	2.26	28.38	0.00 Peak	100	175	HORIZONTAL
6	2486.50	48.53	54.00	-5.47	17.85	2.26	28.42	0.00 Average	100	175	HORIZONTAL

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

Channel 11

	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	2461.00	99.47				2.24	28.33	0.00 Average	100	151	VERTICAL
2	2463.20	109.31				2.24	28.33	0.00 Peak	100	151	VERTICAL
3	2483.50	52.26	54.00	-1.74	21.63	2.26	28.37	0.00 Average	100	151	VERTICAL
4	2483.70	67.57	74.00	-6.43	36.94	2.26	28.37	0.00 Peak	100	151	VERTICAL

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

Temperature	25°C	Humidity	65%
Test Engineer	Serway Lee	Configurations	IEEE 802.11n MCS8 20MHz Ch 1, 6, 11 / Chain 1 + Chain 2 + Chain 3
Test Mode	Mode 5 (Ant. 5 Facade antenna / 2.5dBi) (3TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2390.00	52.73	54.00	-1.27	22.34	2.22	28.17	0.00	Average	100	153	VERTICAL
2	2390.00	66.28	74.00	-7.72	35.89	2.22	28.17	0.00	Peak	100	153	VERTICAL
3	2418.60	100.71				2.23	28.25	0.00	Average	100	153	VERTICAL
4	2419.00	112.09				2.23	28.25	0.00	Peak	100	153	VERTICAL

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2390.00	51.63	54.00	-2.37	21.24	2.22	28.17	0.00	Average	100	154	VERTICAL
2	2390.00	66.35	74.00	-7.65	35.96	2.22	28.17	0.00	Peak	100	154	VERTICAL
3	2443.80	118.33				2.24	28.29	0.00	Peak	100	154	VERTICAL
4	2444.80	106.91				2.24	28.29	0.00	Average	100	154	VERTICAL
5	2483.50	52.12	54.00	-1.88	21.49	2.26	28.37	0.00	Average	100	154	VERTICAL
6	2484.30	69.79	74.00	-4.21	39.16	2.26	28.37	0.00	Peak	100	154	VERTICAL

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

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2454.60	111.54				2.24	28.33	0.00	Peak	100	151	VERTICAL
2	2466.60	99.49				2.26	28.33	0.00	Average	100	151	VERTICAL
3	2483.50	52.41	54.00	-1.59	21.78	2.26	28.37	0.00	Average	100	151	VERTICAL
4	2483.90	66.88	74.00	-7.12	36.25	2.26	28.37	0.00	Peak	100	151	VERTICAL

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

Temperature	25°C	Humidity	65%
Test Engineer	Serway Lee	Configurations	IEEE 802.11n MCS0 40MHz Ch 3, 6, 9 / Chain 1
Test Mode	Mode 5 (Ant. 5 Facade antenna / 2.5dBi) (1TX)		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2390.00	52.96	54.00	-1.04	22.57	2.22	28.17	0.00	Average	105	117	HORIZONTAL
2	2390.00	66.67	74.00	-7.33	36.28	2.22	28.17	0.00	Peak	105	117	HORIZONTAL
3	2405.65	93.37				2.22	28.21	0.00	Average	105	117	HORIZONTAL
4	2412.71	103.73				2.22	28.21	0.00	Peak	105	117	HORIZONTAL

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2389.68	67.12	74.00	-6.88	36.74	2.21	28.17	0.00	Peak	102	100	HORIZONTAL
2	2390.00	52.24	54.00	-1.76	21.85	2.22	28.17	0.00	Average	102	100	HORIZONTAL
3	2452.06	105.55				2.24	28.33	0.00	Peak	102	100	HORIZONTAL
4	2453.67	95.33				2.24	28.33	0.00	Average	102	100	HORIZONTAL
5	2483.50	52.02	54.00	-1.98	21.38	2.26	28.38	0.00	Average	102	100	HORIZONTAL
6	2483.50	69.44	74.00	-4.56	38.80	2.26	28.38	0.00	Peak	102	100	HORIZONTAL

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

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2443.60	93.93				2.24	28.29	0.00	Average	100	155	VERTICAL
2	2444.40	104.58				2.24	28.29	0.00	Peak	100	155	VERTICAL
3	2483.50	52.45	54.00	-1.55	21.82	2.26	28.37	0.00	Average	100	155	VERTICAL
4	2483.50	69.54	74.00	-4.46	38.91	2.26	28.37	0.00	Peak	100	155	VERTICAL

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

Temperature	25°C	Humidity	65%
Test Engineer	Serway Lee	Configurations	IEEE 802.11n MCS0 40MHz Ch 3, 6, 9 / Chain 1 + Chain 2
Test Mode	Mode 5 (Ant. 5 Facade antenna / 2.5dBi) (2TX)		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2390.00	52.48	54.00	-1.52	22.09	2.22	28.17	0.00	Average	100	181	HORIZONTAL
2	2390.00	65.83	74.00	-8.17	35.44	2.22	28.17	0.00	Peak	100	181	HORIZONTAL
3	2412.00	104.62				2.22	28.21	0.00	Peak	100	181	HORIZONTAL
4	2412.40	94.42				2.22	28.21	0.00	Average	100	181	HORIZONTAL

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2390.00	52.78	54.00	-1.22	22.39	2.22	28.17	0.00	Average	100	175	HORIZONTAL
2	2390.00	71.31	74.00	-2.69	40.92	2.22	28.17	0.00	Peak	100	175	HORIZONTAL
3	2428.20	97.66				2.23	28.25	0.00	Average	100	175	HORIZONTAL
4	2451.00	107.53				2.24	28.33	0.00	Peak	100	175	HORIZONTAL
5	2487.90	47.24	54.00	-6.76	16.56	2.26	28.42	0.00	Average	100	175	HORIZONTAL
6	2491.10	64.86	74.00	-9.14	34.18	2.26	28.42	0.00	Peak	100	175	HORIZONTAL

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

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2466.80	106.25				2.26	28.33	0.00	Peak	100	15	VERTICAL
2	2467.60	96.19				2.26	28.33	0.00	Average	100	15	VERTICAL
3	2483.50	52.94	54.00	-1.06	22.31	2.26	28.37	0.00	Average	100	15	VERTICAL
4	2483.50	69.27	74.00	-4.73	38.64	2.26	28.37	0.00	Peak	100	15	VERTICAL

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

Temperature	25°C	Humidity	65%
Test Engineer	Serway Lee	Configurations	IEEE 802.11n MCS8 40MHz Ch 3, 6, 9 / Chain 1 + Chain 2
Test Mode	Mode 5 (Ant. 5 Facade antenna / 2.5dBi) (2TX)		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2390.00	52.46	54.00	-1.54	22.07	2.22	28.17	0.00	Average	100	181	HORIZONTAL
2	2390.00	66.71	74.00	-7.29	36.32	2.22	28.17	0.00	Peak	100	181	HORIZONTAL
3	2406.00	105.16				2.22	28.21	0.00	Peak	100	181	HORIZONTAL
4	2409.60	92.46				2.22	28.21	0.00	Average	100	181	HORIZONTAL

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2390.00	52.38	54.00	-1.62	21.99	2.22	28.17	0.00	Average	100	184	HORIZONTAL
2	2390.00	67.63	74.00	-6.37	37.24	2.22	28.17	0.00	Peak	100	184	HORIZONTAL
3	2420.60	96.01				2.23	28.25	0.00	Average	100	184	HORIZONTAL
4	2452.20	107.25				2.24	28.33	0.00	Peak	100	184	HORIZONTAL
5	2483.50	48.17	54.00	-5.83	17.53	2.26	28.38	0.00	Average	100	184	HORIZONTAL
6	2485.50	62.75	74.00	-11.25	32.07	2.26	28.42	0.00	Peak	100	184	HORIZONTAL

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

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2468.80	105.78				2.26	28.38	0.00	Peak	116	172	HORIZONTAL
2	2469.60	94.52				2.26	28.38	0.00	Average	116	172	HORIZONTAL
3	2483.50	52.88	54.00	-1.12	22.24	2.26	28.38	0.00	Average	116	172	HORIZONTAL
4	2483.50	68.05	74.00	-5.95	37.41	2.26	28.38	0.00	Peak	116	172	HORIZONTAL

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

Temperature	25°C	Humidity	65%
Test Engineer	Serway Lee	Configurations	IEEE 802.11n MCS0 40MHz Ch 3, 6, 9 / Chain 1 + Chain 2 + Chain 3
Test Mode	Mode 5 (Ant. 5 Facade antenna / 2.5dBi) (3TX)		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2389.60	69.61	74.00	-4.39	39.23	2.21	28.17	0.00	Peak	102	0	VERTICAL
2	2390.00	52.56	54.00	-1.44	22.17	2.22	28.17	0.00	Average	102	0	VERTICAL
3	2408.00	94.15				2.22	28.21	0.00	Average	102	0	VERTICAL
4	2429.60	104.41				2.23	28.25	0.00	Peak	102	0	VERTICAL

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2388.40	66.92	74.00	-7.08	36.54	2.21	28.17	0.00	Peak	100	155	VERTICAL
2	2390.00	52.79	54.00	-1.21	22.40	2.22	28.17	0.00	Average	100	155	VERTICAL
3	2446.60	110.19				2.24	28.29	0.00	Peak	100	155	VERTICAL
4	2447.40	101.23				2.24	28.29	0.00	Average	100	155	VERTICAL
5	2487.10	67.94	74.00	-6.06	37.27	2.26	28.41	0.00	Peak	100	155	VERTICAL
6	2487.90	50.74	54.00	-3.26	20.07	2.26	28.41	0.00	Average	100	155	VERTICAL

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

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2455.60	96.16				2.24	28.33	0.00	Average	101	150	VERTICAL
2	2456.80	105.49				2.24	28.33	0.00	Peak	101	150	VERTICAL
3	2483.50	52.09	54.00	-1.91	21.46	2.26	28.37	0.00	Average	101	150	VERTICAL
4	2484.70	70.03	74.00	-3.97	39.40	2.26	28.37	0.00	Peak	101	150	VERTICAL

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

Temperature	25°C	Humidity	65%
Test Engineer	Serway Lee	Configurations	IEEE 802.11n MCS8 40MHz Ch 3, 6, 9 / Chain 1 + Chain 2 + Chain 3
Test Mode	Mode 5 (Ant. 5 Facade antenna / 2.5dBi) (3TX)		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2390.00	52.30	54.00	-1.70	21.91	2.22	28.17	0.00	Average	100	154	VERTICAL
2	2390.00	66.85	74.00	-7.15	36.46	2.22	28.17	0.00	Peak	100	154	VERTICAL
3	2408.40	105.67				2.22	28.21	0.00	Peak	100	154	VERTICAL
4	2429.60	94.67				2.23	28.25	0.00	Average	100	154	VERTICAL

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2389.20	68.19	74.00	-5.81	37.81	2.21	28.17	0.00	Peak	100	152	VERTICAL
2	2390.00	52.14	54.00	-1.86	21.75	2.22	28.17	0.00	Average	100	152	VERTICAL
3	2430.60	109.51				2.23	28.25	0.00	Peak	100	152	VERTICAL
4	2451.00	99.04				2.24	28.33	0.00	Average	100	152	VERTICAL
5	2483.50	50.68	54.00	-3.32	20.05	2.26	28.37	0.00	Average	100	152	VERTICAL
6	2485.90	66.89	74.00	-7.11	36.22	2.26	28.41	0.00	Peak	100	152	VERTICAL

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

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2468.80	106.15				2.26	28.37	0.00	Peak	100	149	VERTICAL
2	2469.20	95.53				2.26	28.37	0.00	Average	100	149	VERTICAL
3	2483.50	52.83	54.00	-1.17	22.20	2.26	28.37	0.00	Average	100	149	VERTICAL
4	2483.50	72.04	74.00	-1.96	41.41	2.26	28.37	0.00	Peak	100	149	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	65%
Test Engineer	Serway Lee	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1
Test Mode	Mode 5 (Ant. 5 Facade antenna / 2.5dBi) (1TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2386.00	59.25	74.00	-14.75	28.87	2.21	28.17	0.00	Peak	100	186	HORIZONTAL
2	2386.20	52.36	54.00	-1.64	21.98	2.21	28.17	0.00	Average	100	186	HORIZONTAL
3	2409.40	109.28				2.22	28.21	0.00	Peak	100	186	HORIZONTAL
4	2410.20	105.77				2.22	28.21	0.00	Average	100	186	HORIZONTAL

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2389.00	58.64	74.00	-15.36	28.26	2.21	28.17	0.00	Peak	100	187	HORIZONTAL
2	2389.20	50.67	54.00	-3.33	20.29	2.21	28.17	0.00	Average	100	187	HORIZONTAL
3	2435.40	108.49				2.23	28.29	0.00	Average	100	187	HORIZONTAL
4	2435.60	111.66				2.23	28.29	0.00	Peak	100	187	HORIZONTAL
5	2483.90	48.78	54.00	-5.22	18.14	2.26	28.38	0.00	Average	100	187	HORIZONTAL
6	2483.90	57.11	74.00	-16.89	26.47	2.26	28.38	0.00	Peak	100	187	HORIZONTAL

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

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2461.20	106.86				2.24	28.33	0.00	Peak	100	188	HORIZONTAL
2	2463.00	103.16				2.24	28.33	0.00	Average	100	188	HORIZONTAL
3	2487.50	59.73	74.00	-14.27	29.05	2.26	28.42	0.00	Peak	100	188	HORIZONTAL
4	2487.70	52.92	54.00	-1.08	22.24	2.26	28.42	0.00	Average	100	188	HORIZONTAL

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

Temperature	25°C	Humidity	65%
Test Engineer	Serway Lee	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1 + Chain 2
Test Mode	Mode 5 (Ant. 5 Facade antenna / 2.5dBi) (2TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2386.00	61.67	74.00	-12.33	31.29	2.21	28.17	0.00	Peak	100	32	VERTICAL
2	2386.80	51.37	54.00	-2.63	20.99	2.21	28.17	0.00	Average	100	32	VERTICAL
3	2410.80	114.06				2.22	28.21	0.00	Peak	100	32	VERTICAL
4	2411.20	109.69				2.22	28.21	0.00	Average	100	32	VERTICAL
5	2495.90	61.59	74.00	-12.41	30.91	2.27	28.41	0.00	Peak	100	32	VERTICAL
6	2497.10	52.70	54.00	-1.30	22.02	2.27	28.41	0.00	Average	100	32	VERTICAL

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2390.00	49.85	54.00	-4.15	19.46	2.22	28.17	0.00	Average	100	177	HORIZONTAL
2	2390.00	60.27	74.00	-13.73	29.88	2.22	28.17	0.00	Peak	100	177	HORIZONTAL
3	2435.80	115.40				2.23	28.29	0.00	Peak	100	177	HORIZONTAL
4	2436.20	110.85				2.23	28.29	0.00	Average	100	177	HORIZONTAL
5	2483.50	47.59	54.00	-6.41	16.95	2.26	28.38	0.00	Average	100	177	HORIZONTAL
6	2486.70	59.11	74.00	-14.89	28.43	2.26	28.42	0.00	Peak	100	177	HORIZONTAL

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

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2462.80	106.30				2.24	28.33	0.00	Average	100	338	VERTICAL
2	2463.60	111.09				2.24	28.33	0.00	Peak	100	338	VERTICAL
3	2483.50	52.93	54.00	-1.07	22.30	2.26	28.37	0.00	Average	100	338	VERTICAL
4	2483.50	60.99	74.00	-13.01	30.36	2.26	28.37	0.00	Peak	100	338	VERTICAL

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

Temperature	25°C	Humidity	65%
Test Engineer	Serway Lee	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3
Test Mode	Mode 5 (Ant. 5 Facade antenna / 2.5dBi) (3TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2386.80	52.44	54.00	-1.56	22.06	2.21	28.17	0.00	Average	100	0	VERTICAL
2	2387.60	59.49	74.00	-14.51	29.11	2.21	28.17	0.00	Peak	100	0	VERTICAL
3	2410.20	109.40				2.22	28.21	0.00	Average	100	0	VERTICAL
4	2410.60	112.34				2.22	28.21	0.00	Peak	100	0	VERTICAL

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2390.00	46.28	54.00	-7.72	15.89	2.22	28.17	0.00	Average	100	181	HORIZONTAL
2	2390.00	56.40	74.00	-17.60	26.01	2.22	28.17	0.00	Peak	100	181	HORIZONTAL
3	2435.40	106.86				2.23	28.29	0.00	Average	100	181	HORIZONTAL
4	2436.20	110.44				2.23	28.29	0.00	Peak	100	181	HORIZONTAL
5	2483.50	44.79	54.00	-9.21	14.15	2.26	28.38	0.00	Average	100	181	HORIZONTAL
6	2483.50	55.05	74.00	-18.95	24.41	2.26	28.38	0.00	Peak	100	181	HORIZONTAL

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

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2460.20	107.13				2.24	28.33	0.00	Average	162	256	HORIZONTAL
2	2461.20	110.92				2.24	28.33	0.00	Peak	162	256	HORIZONTAL
3	2483.50	52.68	54.00	-1.32	22.04	2.26	28.38	0.00	Average	162	256	HORIZONTAL
4	2483.50	60.30	74.00	-13.70	29.66	2.26	28.38	0.00	Peak	162	256	HORIZONTAL

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

Temperature	25°C	Humidity	65%
Test Engineer	Serway Lee	Configurations	IEEE 802.11g CH 1, 6, 11 / Chain 1
Test Moe	Mode 5 (Ant. 5 Facade antenna / 2.5dBi) (1TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2389.40	72.25	74.00	-1.75	41.87	2.21	28.17	0.00	Peak	100	186	HORIZONTAL
2	2390.00	51.75	54.00	-2.25	21.36	2.22	28.17	0.00	Average	100	186	HORIZONTAL
3	2405.60	98.57				2.22	28.21	0.00	Average	100	186	HORIZONTAL
4	2406.80	108.93				2.22	28.21	0.00	Peak	100	186	HORIZONTAL

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2389.80	72.87	74.00	-1.13	42.48	2.22	28.17	0.00	Peak	100	187	HORIZONTAL
2	2390.00	52.35	54.00	-1.65	21.96	2.22	28.17	0.00	Average	100	187	HORIZONTAL
3	2430.00	112.36				2.23	28.25	0.00	Peak	100	187	HORIZONTAL
4	2430.80	102.03				2.23	28.25	0.00	Average	100	187	HORIZONTAL
5	2483.50	49.96	54.00	-4.04	19.32	2.26	28.38	0.00	Average	100	187	HORIZONTAL
6	2484.50	70.49	74.00	-3.51	39.85	2.26	28.38	0.00	Peak	100	187	HORIZONTAL

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

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2466.80	108.61				2.26	28.33	0.00	Peak	100	99	HORIZONTAL
2	2467.80	97.71				2.26	28.33	0.00	Average	100	99	HORIZONTAL
3	2483.50	52.65	54.00	-1.35	22.01	2.26	28.38	0.00	Average	100	99	HORIZONTAL
4	2491.30	72.86	74.00	-1.14	42.18	2.26	28.42	0.00	Peak	100	99	HORIZONTAL

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

Temperature	25°C	Humidity	65%
Test Engineer	Serway Lee	Configurations	IEEE 802.11g CH 1, 6, 11 / Chain 1 + Chain 2
Test Moe	Mode 5 (Ant. 5 Facade antenna / 2.5dBi) (2TX)		

Channel 1

	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	2390.00	52.55	54.00	-1.45	22.16	2.22	28.17	0.00 Average	100	182	HORIZONTAL
2	2390.00	71.14	74.00	-2.86	40.75	2.22	28.17	0.00 Peak	100	182	HORIZONTAL
3	2414.80	102.04				2.22	28.21	0.00 Average	100	182	HORIZONTAL
4	2415.00	112.31				2.22	28.21	0.00 Peak	100	182	HORIZONTAL

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

Channel 6

	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	2388.20	70.89	74.00	-3.11	40.51	2.21	28.17	0.00 Peak	100	36	VERTICAL
2	2389.60	51.51	54.00	-2.49	21.13	2.21	28.17	0.00 Average	100	36	VERTICAL
3	2444.20	119.19				2.24	28.29	0.00 Peak	100	36	VERTICAL
4	2444.60	109.24				2.24	28.29	0.00 Average	100	36	VERTICAL
5	2484.30	72.05	74.00	-1.95	41.42	2.26	28.37	0.00 Peak	100	36	VERTICAL
6	2484.50	51.46	54.00	-2.54	20.83	2.26	28.37	0.00 Average	100	36	VERTICAL

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

Channel 11

	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	2467.60	112.69				2.26	28.33	0.00 Peak	116	173	HORIZONTAL
2	2467.80	102.40				2.26	28.33	0.00 Average	116	173	HORIZONTAL
3	2483.50	52.95	54.00	-1.05	22.31	2.26	28.38	0.00 Average	116	173	HORIZONTAL
4	2483.50	67.18	74.00	-6.82	36.54	2.26	28.38	0.00 Peak	116	173	HORIZONTAL

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

Temperature	25°C	Humidity	65%
Test Engineer	Serway Lee	Configurations	IEEE 802.11g CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3
Test Moe	Mode 5 (Ant. 5 Facade antenna / 2.5dBi) (3TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2390.00	52.57	54.00	-1.43	22.18	2.22	28.17	0.00	Average	100	155	VERTICAL
2	2390.00	68.07	74.00	-5.93	37.68	2.22	28.17	0.00	Peak	100	155	VERTICAL
3	2409.40	102.16				2.22	28.21	0.00	Average	100	155	VERTICAL
4	2409.40	112.80				2.22	28.21	0.00	Peak	100	155	VERTICAL

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2389.00	70.46	74.00	-3.54	40.08	2.21	28.17	0.00	Peak	100	156	VERTICAL
2	2390.00	52.33	54.00	-1.67	21.94	2.22	28.17	0.00	Average	100	156	VERTICAL
3	2440.00	108.19				2.23	28.29	0.00	Average	100	156	VERTICAL
4	2440.00	117.30				2.23	28.29	0.00	Peak	100	156	VERTICAL
5	2484.90	51.82	54.00	-2.18	21.19	2.26	28.37	0.00	Average	100	156	VERTICAL
6	2484.90	66.34	74.00	-7.66	35.71	2.26	28.37	0.00	Peak	100	156	VERTICAL

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

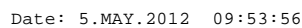
Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2463.00	98.65				2.24	28.33	0.00	Average	100	174	VERTICAL
2	2463.80	109.87				2.24	28.33	0.00	Peak	100	174	VERTICAL
3	2483.50	52.41	54.00	-1.59	21.78	2.26	28.37	0.00	Average	100	174	VERTICAL
4	2483.70	66.02	74.00	-7.98	35.39	2.26	28.37	0.00	Peak	100	174	VERTICAL

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

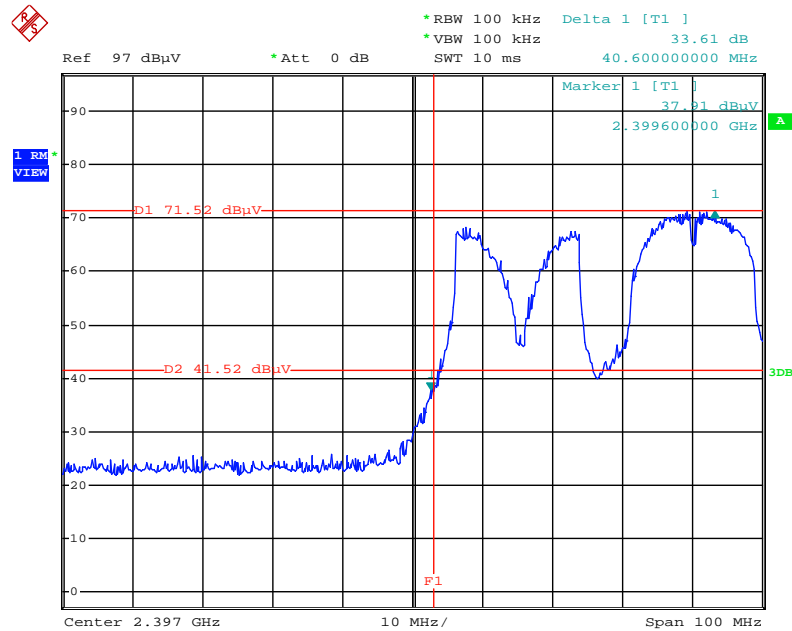


Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1 / 2412 MHz (1TX)



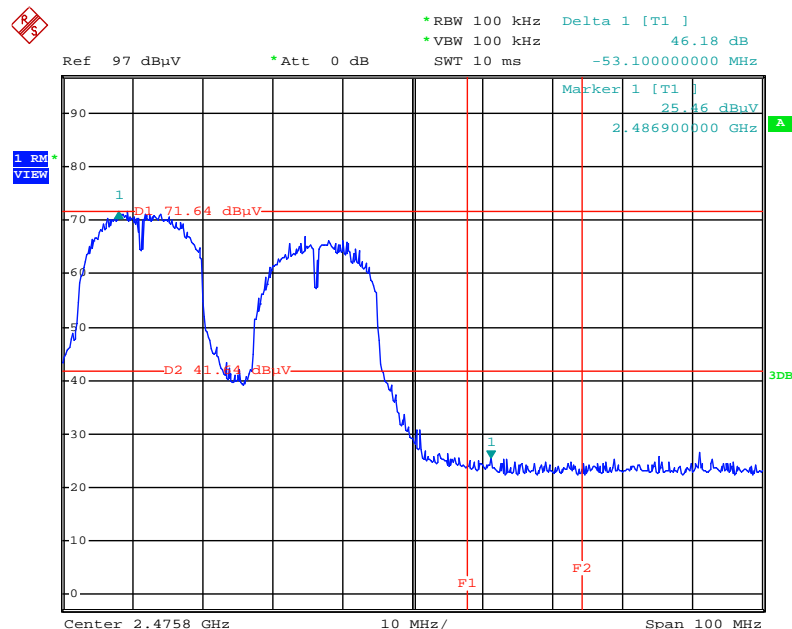
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Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1 + Chain 2/ 2412 MHz (2TX)



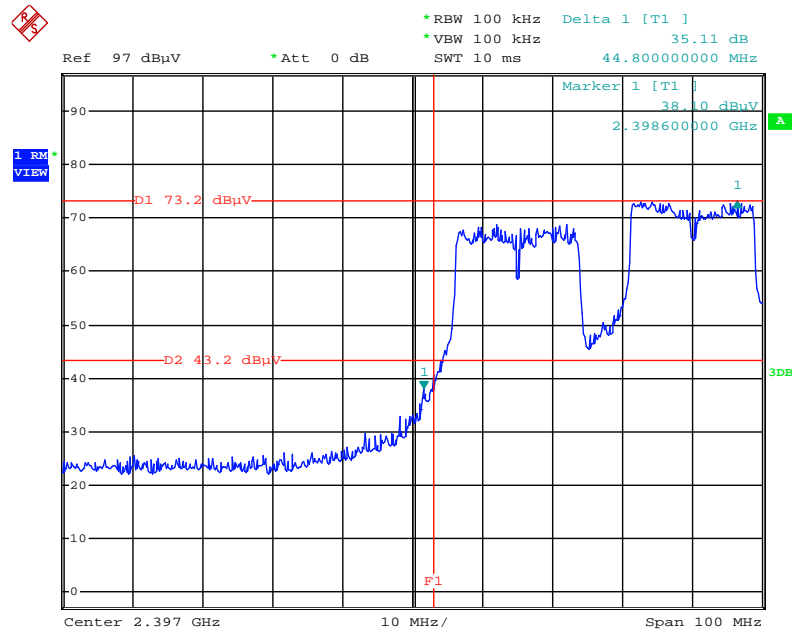
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Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1+ Chain 2/ 2462 MHz (2TX)



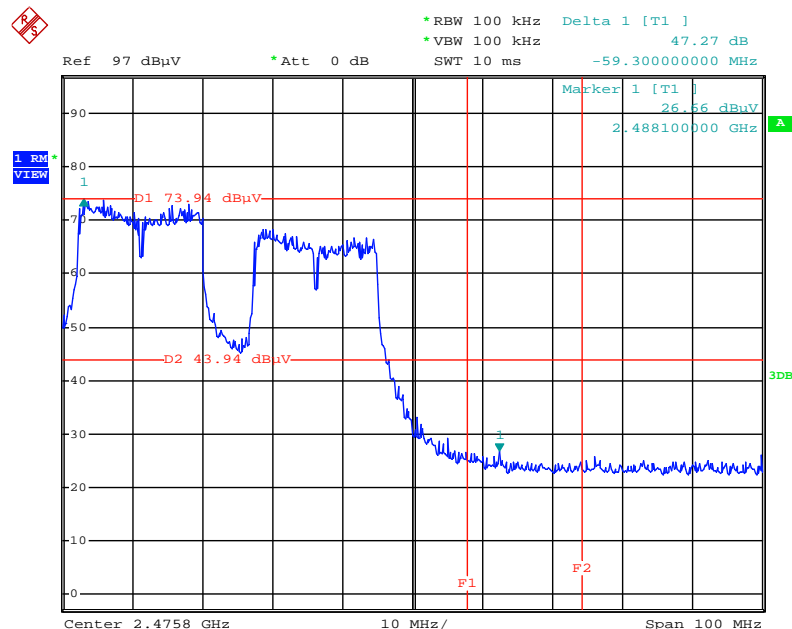
Date: 5.MAY.2012 13:05:21

Plot on Configuration IEEE 802.11n MCS8 20MHz / Chain 1 + Chain 2/ 2412 MHz (2TX)



Date: 5.MAY.2012 13:15:12

Plot on Configuration IEEE 802.11n MCS8 20MHz / Chain 1+ Chain 2/ 2462 MHz (2TX)



Date: 5.MAY.2012 13:06:35



Ref 97 dBμV *Att 0 dB *RBW 100 kHz Delta 1 [T1] 37.29 dB
 VBW 100 kHz SWT 10 ms 36.40000000 MHz

Marker 1 [T1]
 38.47 dBμV
 2.399400000 GHz

D1 75.76 dBμV
 D2 45.76 dBμV

Center 2.4104 GHz 10 MHz/ Span 100 MHz

Ref 97 dBμV *Att 0 dB

*RBW 100 kHz Delta 1 [T1] 48.81 dB
 *VBW 100 kHz
 SWT 10 ms -48.20000000 MHz

Marker 1 [T1]
 26.80 dBμV
 2.484200000 GHz

D1 75.71 dBμV
 D2 45.71 dBμV

Center 2.4624 GHz 10 MHz/ Span 100 MHz

Issued Date : Jun. 21, 2012



Ref 97 dBmV * Att 0 dB

* RBW 100 kHz Delta 1 [T1] 38.04 dB
 * VBW 10 kHz
 SWT 10 ms 29.600000000 MHz

Marker 1 [T1]
 38.04 dBmV
 2.399400000 GHz

1 RM VIEW

D1 76.44 dBmV

D2 46.44 dBmV

F1

Center 2.4118 GHz 10 MHz/ Span 100 MHz

Ref 97 dBμV *Att 0 dB

*RBW 100 kHz Delta 1 [T1]
 *VBW 100 kHz 47.86 dB
 SWT 10 ms -51.00000000 MHz

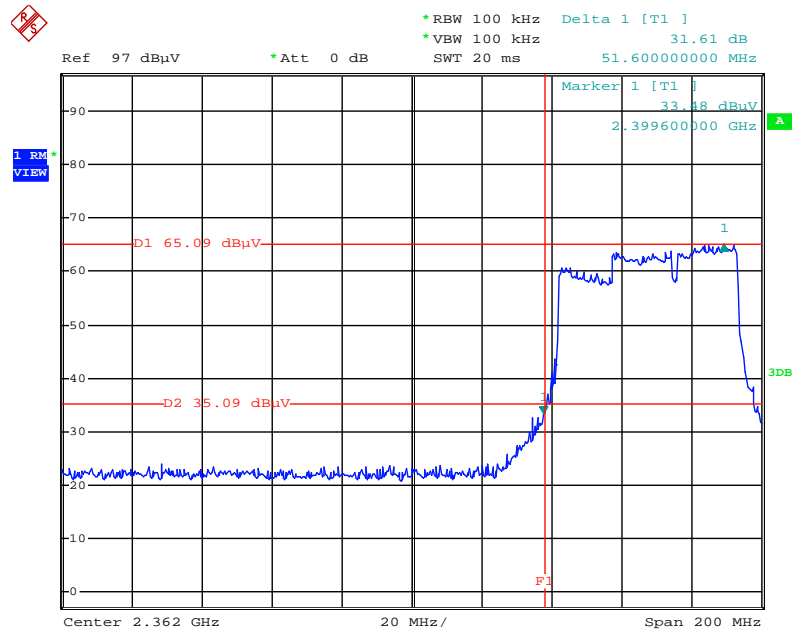
Marker 1 [T1]
 29.44 dBμV
 2.485200000 GHz

D1 77.31 dBμV
 D2 47.31 dBμV

Center 2.4624 GHz 10 MHz / Span 100 MHz

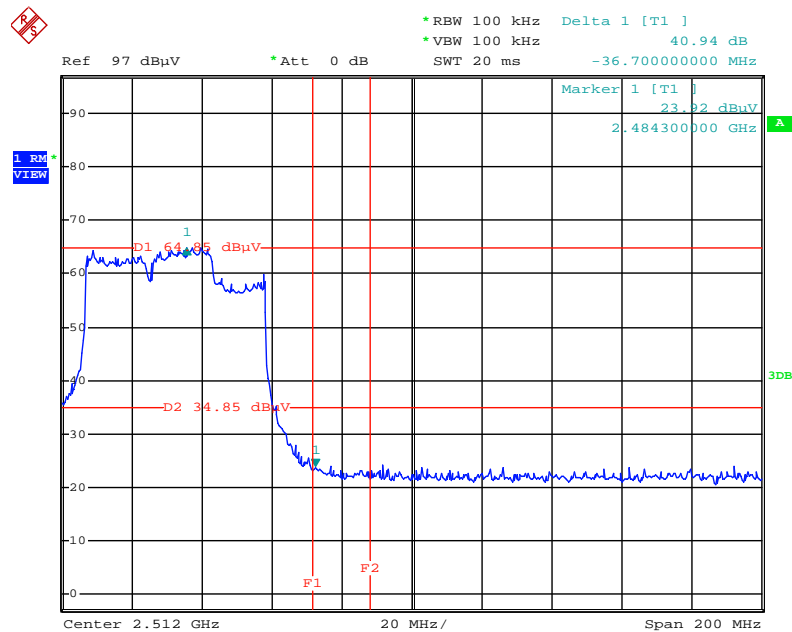
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Plot on Configuration IEEE 802.11n MCS0 40MHz / Chain 1 / 2422 MHz (1TX)



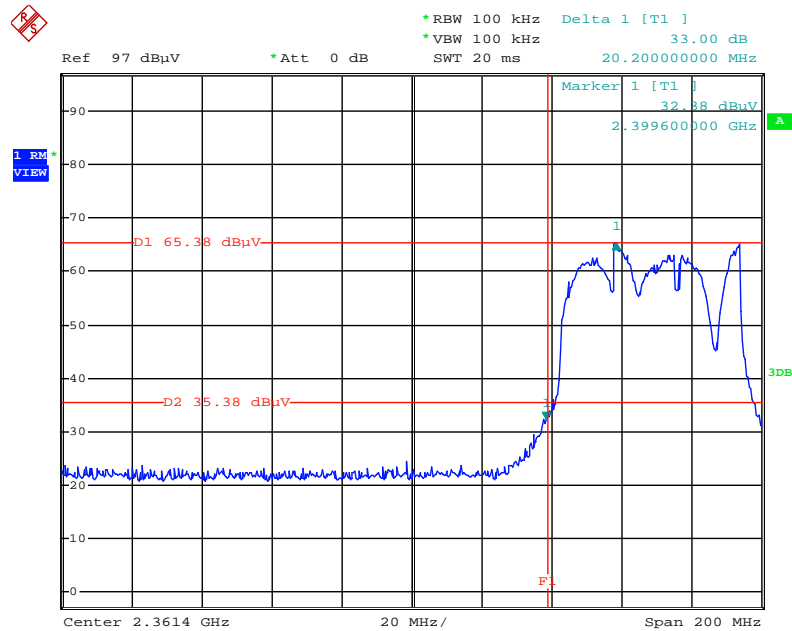
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Plot on Configuration IEEE 802.11n MCS0 40MHz / Chain 1 / 2452 MHz (1TX)



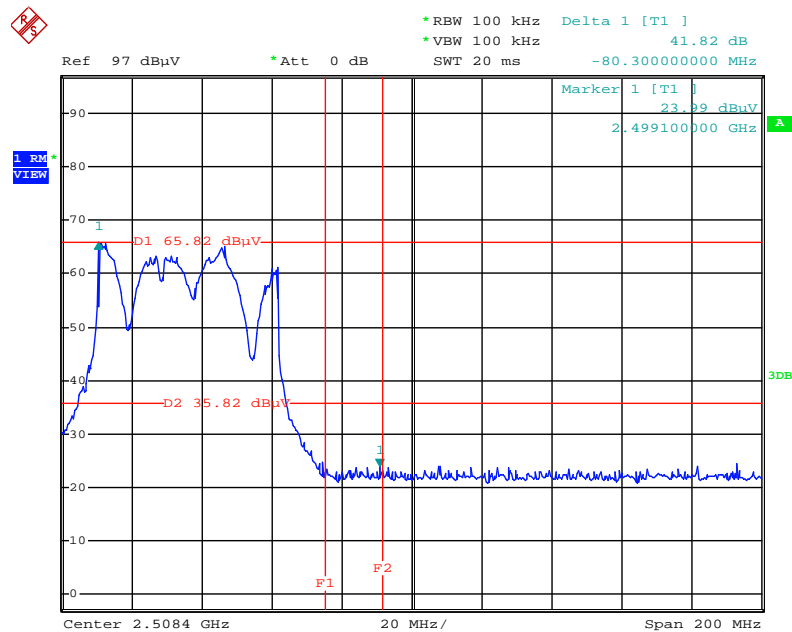
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Plot on Configuration IEEE 802.11n MCS0 40MHz / Chain 1 + Chain 2/ 2422 MHz (2TX)



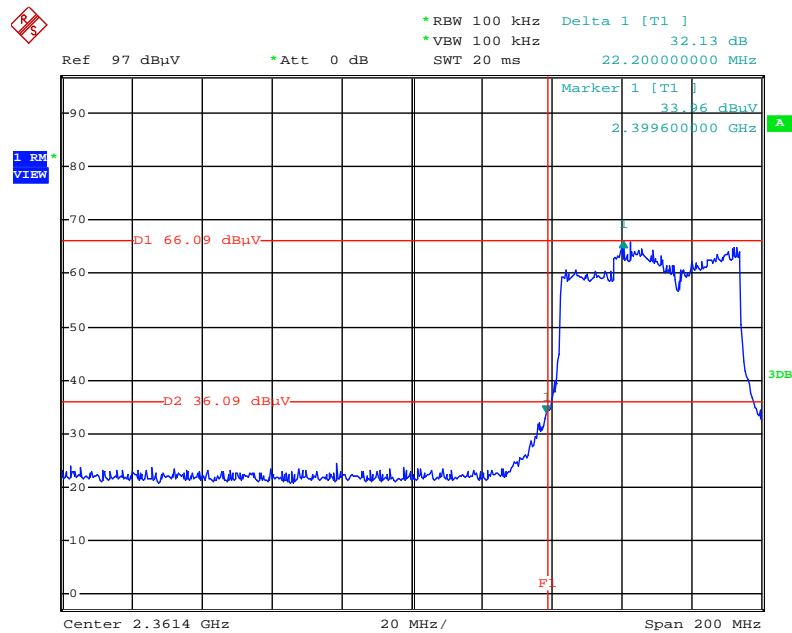
Date: 5.MAY.2012 13:16:46

Plot on Configuration IEEE 802.11n MCS0 40MHz / Chain 1 + Chain 2/ 2452 MHz (2TX)



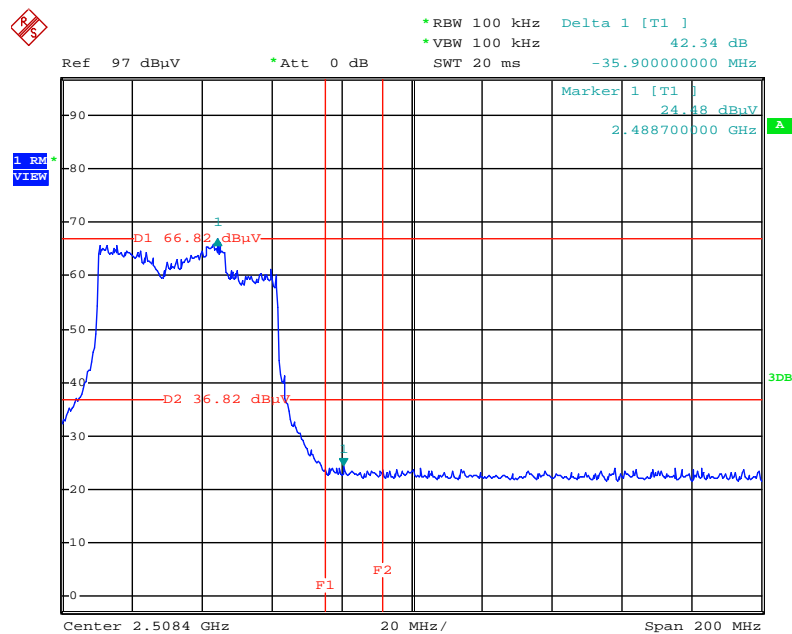
Date: 5.MAY.2012 13:03:42

Plot on Configuration IEEE 802.11n MCS8 40MHz / Chain 1 + Chain 2/ 2422 MHz (2TX)



Date: 5.MAY.2012 13:18:20

Plot on Configuration IEEE 802.11n MCS8 40MHz / Chain 1 + Chain 2/ 2452 MHz (2TX)



Date: 5.MAY.2012 13:02:03

[illegible]

Ref 97 dBuV *Att 0 dB

*RBW 100 kHz Delta 1 [T1]

*VBW 100 kHz 43.41 dB

SWT 20 ms -34.00000000 MHz

Marker 1 [T1]

24.65 dBuV

2.485400000 GHz

D1 67.96 dBuV

D2 37.96 dBuV

F1

F2

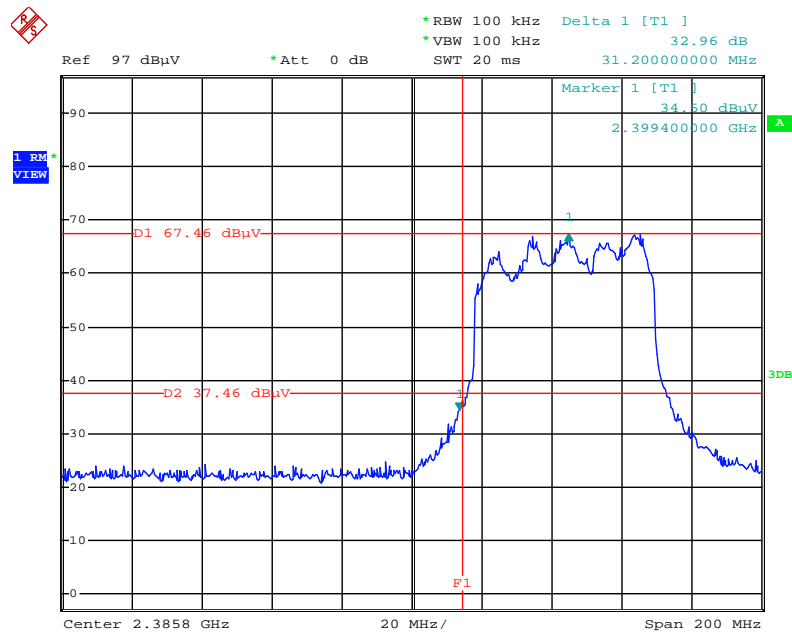
Center 2.497 GHz

20 MHz /

Span 200 MHz

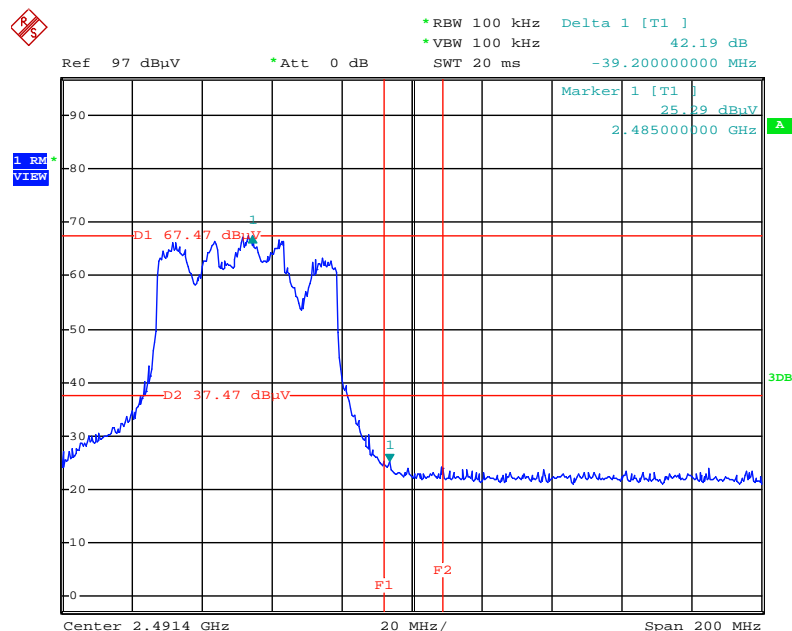
Date: 7.MAY.2012 13:26:39

Plot on Configuration IEEE 802.11n MCS8 40MHz / Chain 1 + Chain 2 + Chain 3 / 2422 MHz (3TX)



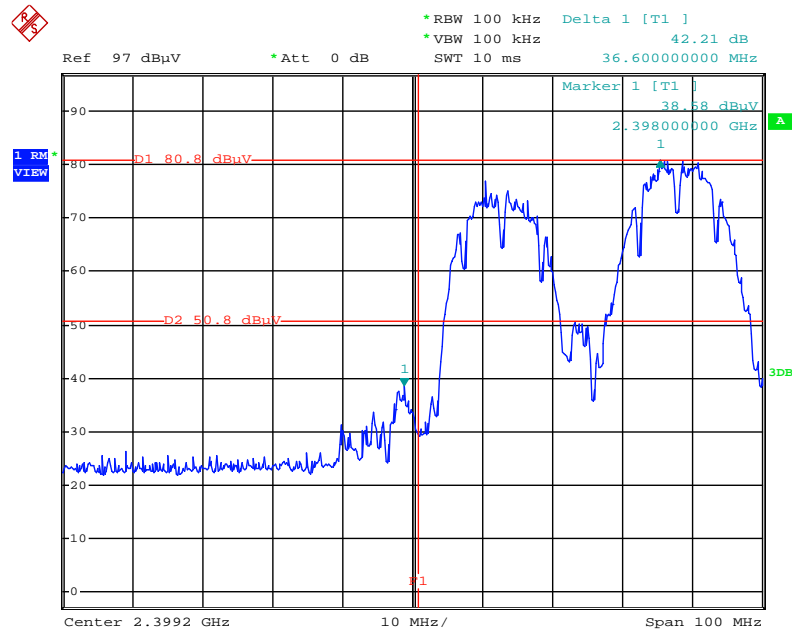
Date: 7.MAY.2012 13:32:53

Plot on Configuration IEEE 802.11n MCS8 40MHz / Chain 1 + Chain 2 + Chain 3 / 2452 MHz (3TX)



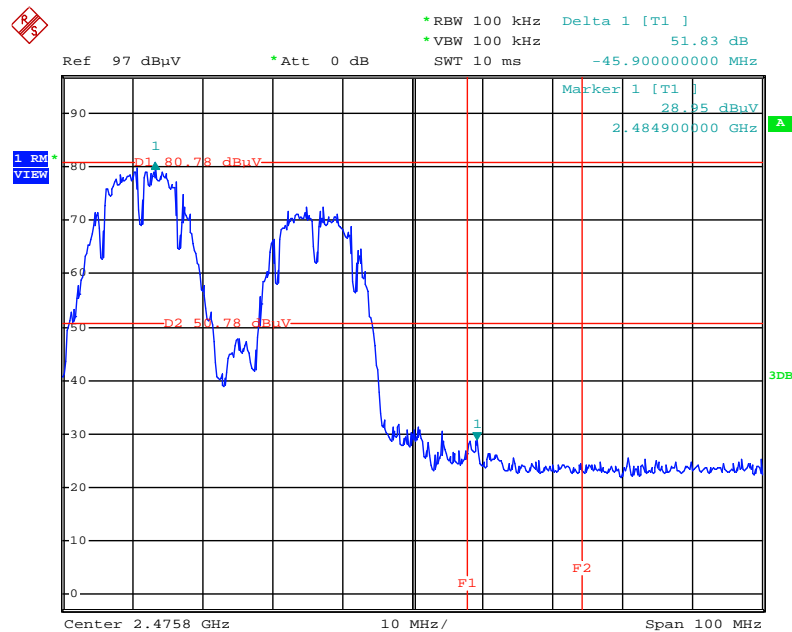
Date: 7.MAY.2012 13:28:52

Plot on Configuration IEEE 802.11b / Chain 1 / 2412 MHz (1TX)



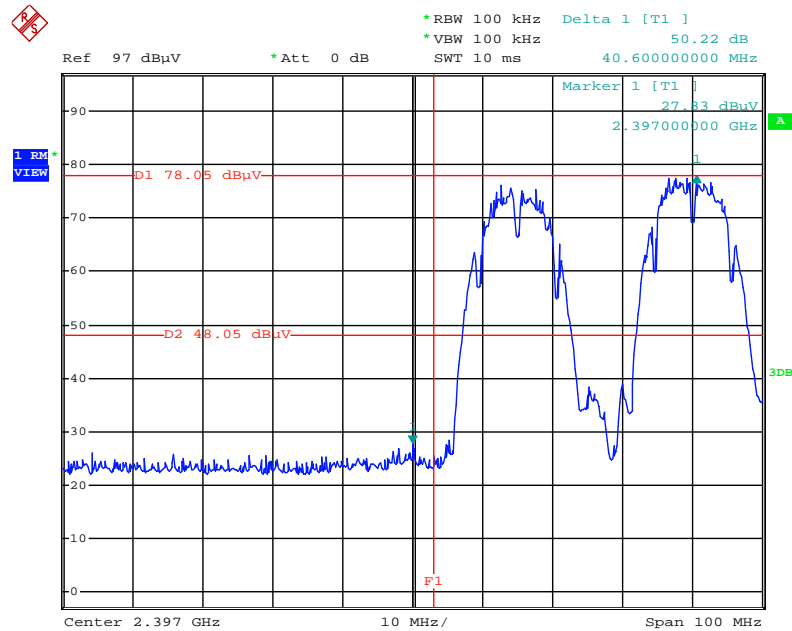
Date: 5.MAY.2012 09:57:04

Plot on Configuration IEEE 802.11b / Chain 1 / 2462 MHz (1TX)



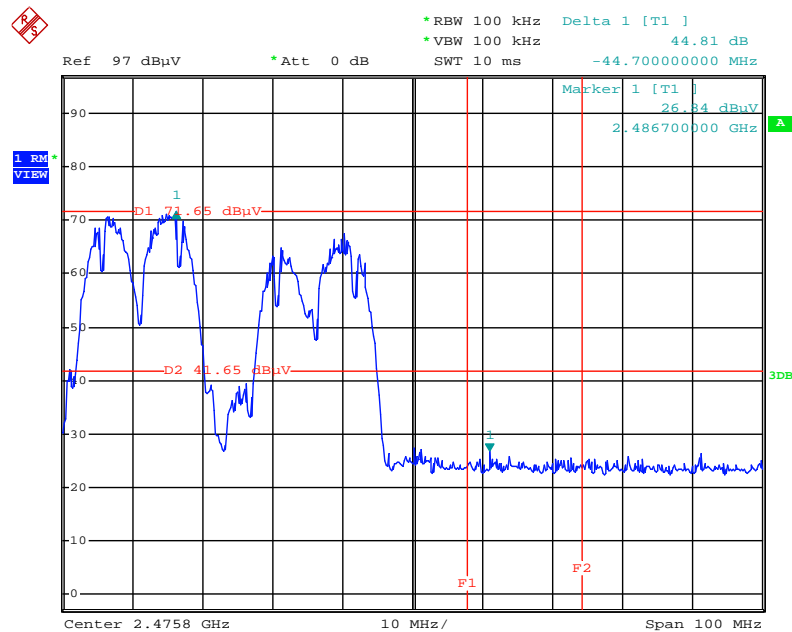
Date: 5.MAY.2012 09:44:27

Plot on Configuration IEEE 802.11b / Chain 1 + Chain 2 / 2412 MHz (2TX)



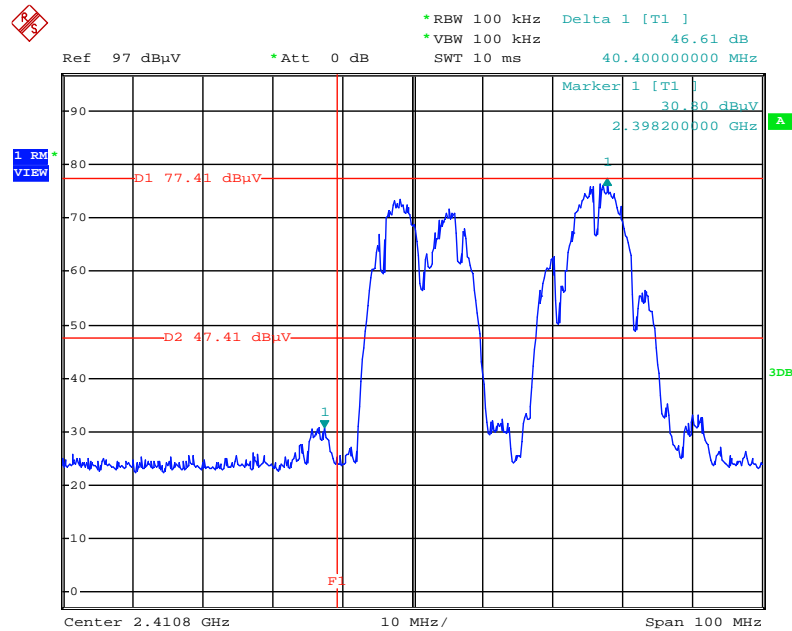
Date: 5.MAY.2012 13:10:43

Plot on Configuration IEEE 802.11b / Chain 1 + Chain 2 / 2462 MHz (2TX)



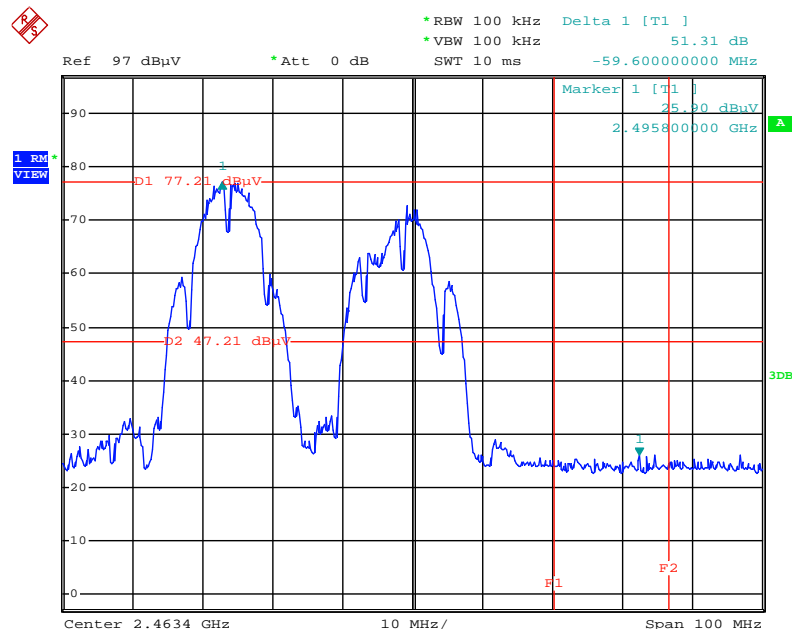
Date: 5.MAY.2012 13:09:10

Plot on Configuration IEEE 802.11b / Chain 1 + Chain 2 + Chain 3 / 2412 MHz (3TX)



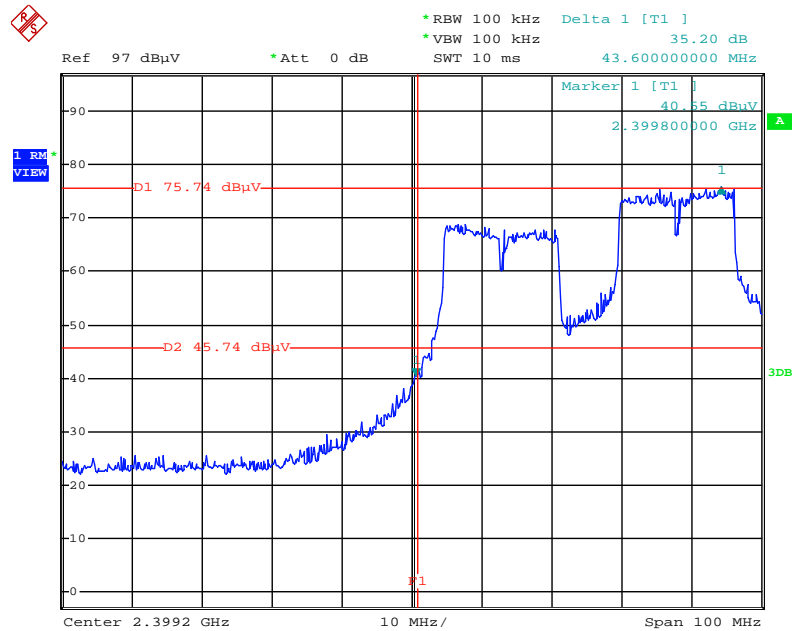
Date: 7.MAY.2012 13:06:52

Plot on Configuration IEEE 802.11b / Chain 1 + Chain 2 + Chain 3 / 2462 MHz (3TX)



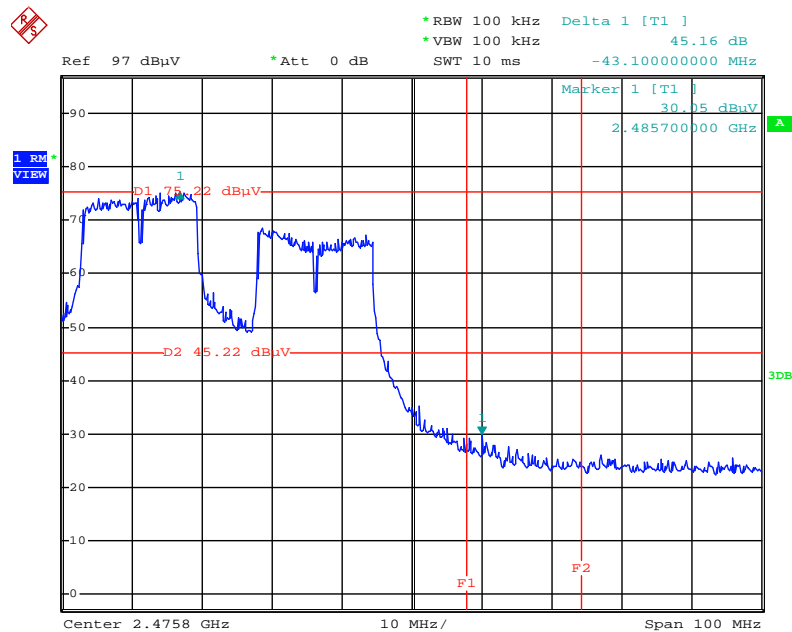
Date: 7.MAY.2012 13:09:13

Plot on Configuration IEEE 802.11g / Chain 1 / 2412 MHz (1TX)



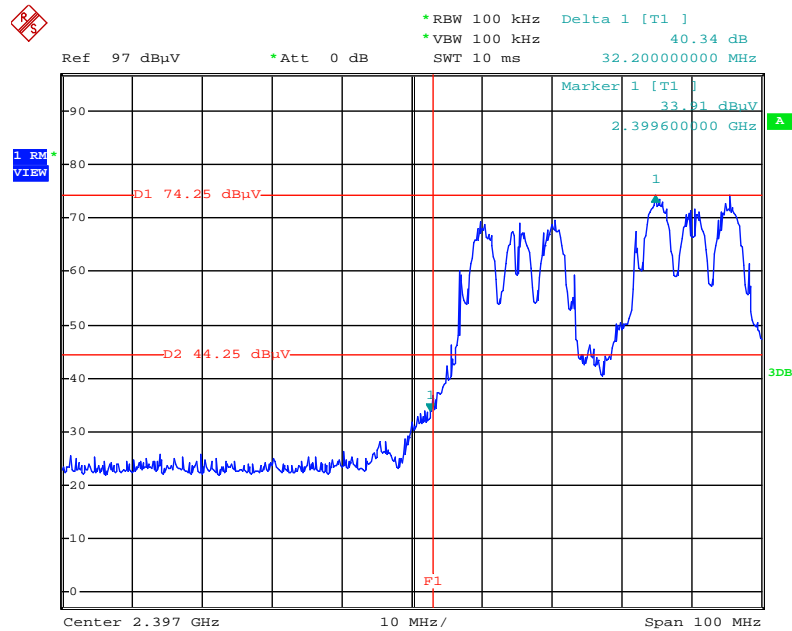
Date: 5.MAY.2012 09:55:28

Plot on Configuration IEEE 802.11g / Chain 1 / 2462 MHz (1TX)



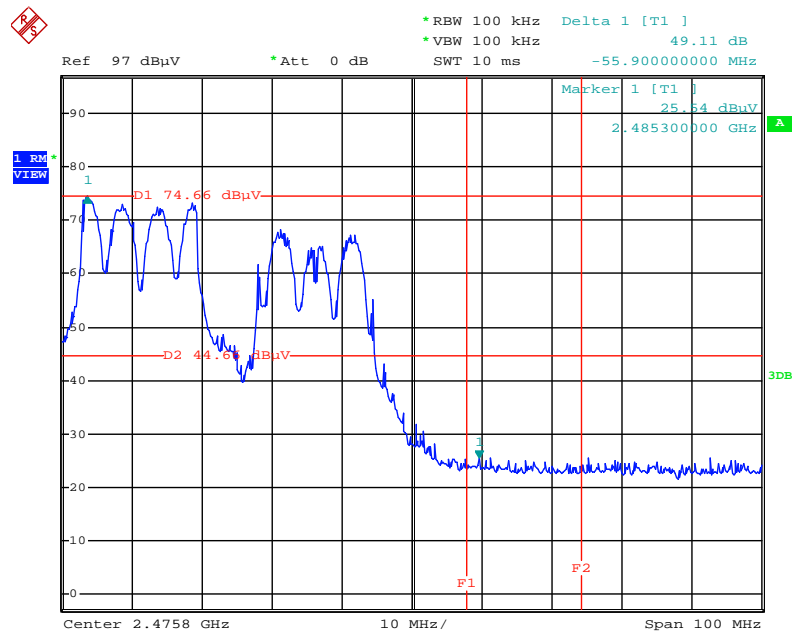
Date: 5.MAY.2012 09:47:02

Plot on Configuration IEEE 802.11g / Chain 1 + Chain 2 / 2412 MHz (2TX)



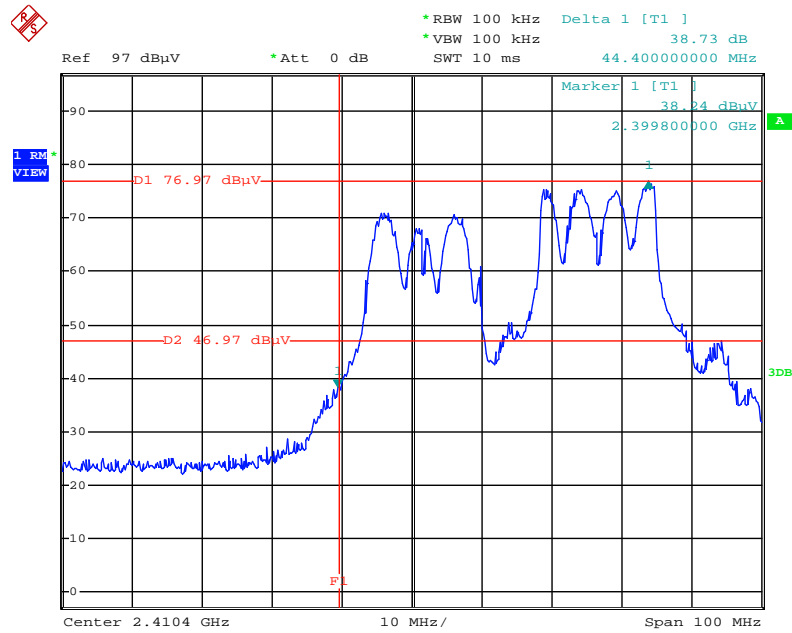
Date: 5.MAY.2012 13:11:49

Plot on Configuration IEEE 802.11g / Chain 1 + Chain 2 / 2462 MHz (2TX)



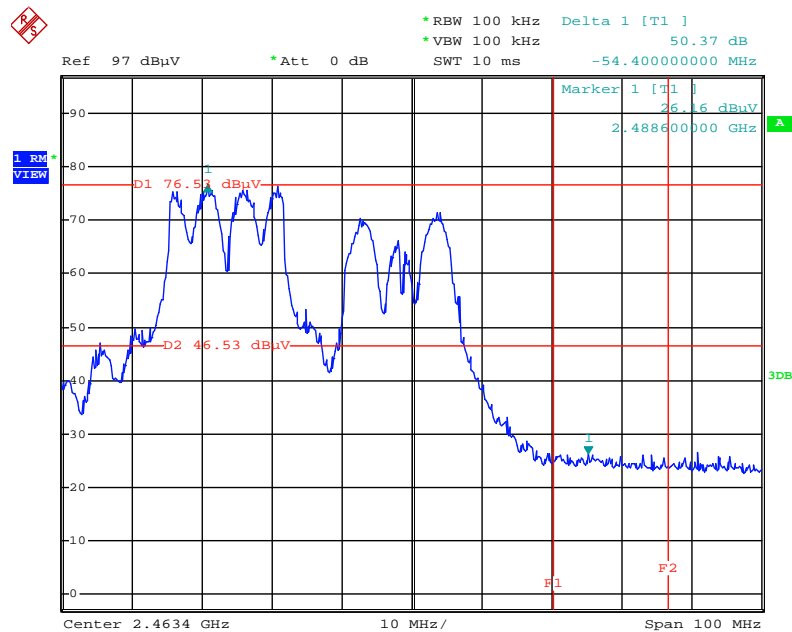
Date: 5.MAY.2012 13:07:56

Plot on Configuration IEEE 802.11g / Chain 1 + Chain 2 + Chain 3 / 2412 MHz (3TX)



Date: 7.MAY.2012 13:13:01

Plot on Configuration IEEE 802.11g / Chain 1 + Chain 2 + Chain 3 / 2462 MHz (3TX)

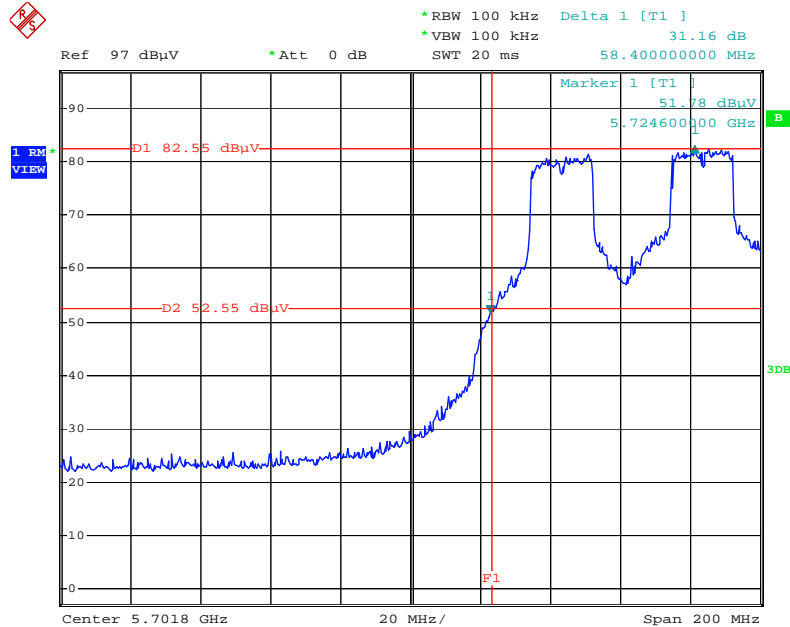


Date: 7.MAY.2012 13:11:14

Test Mode : Mode 6 (Ant. 6 Dipole antenna / 8dBi)

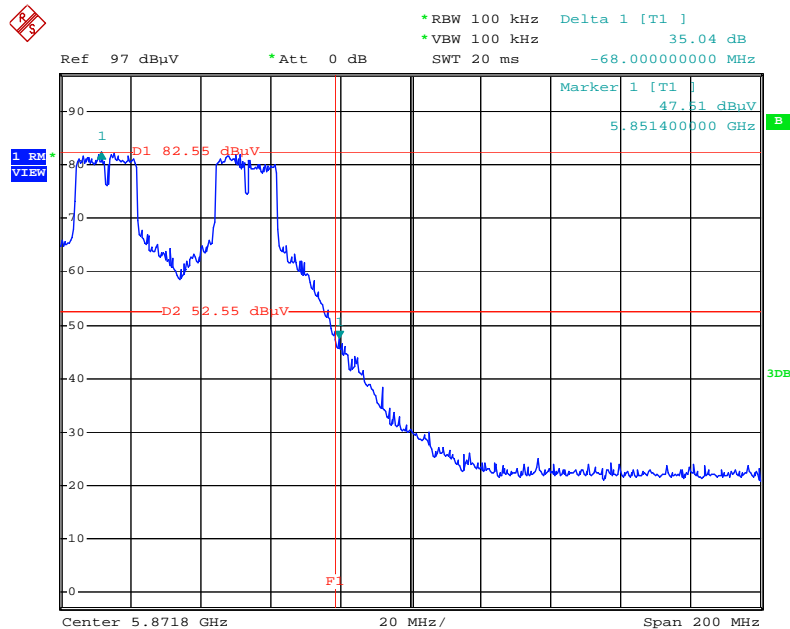
For Emission not in Restricted Band

Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1 / 5745 MHz (1TX)



Date: 27.APR.2012 09:24:05

Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1/ 5825 MHz (1TX)



Date: 27.APR.2012 09:18:21



*RBW 100 kHz Delta 1 [T1]
 *VBW 100 kHz 37.35 dB
 SWT 20 ms 60.800000000 MHz

Ref 83 dBμV *Att 0 dB

Offset -14 dB

Marker 1 [T1] 34.07 dBμV
 5.723000000 GHz

D1 71.42 dBμV
 D2 41.42 dBμV

1 RM VIEW

Center 5.7022 GHz 20 MHz / Span 200 MHz

Ref 83 dBuV *Att 0 dB SWT 20 ms -27.000000000 MHz

Offset -14 dB

Marker 1 [T1] 27.86 dBuV 5.850400000 GHz

D1 71.09 dBuV

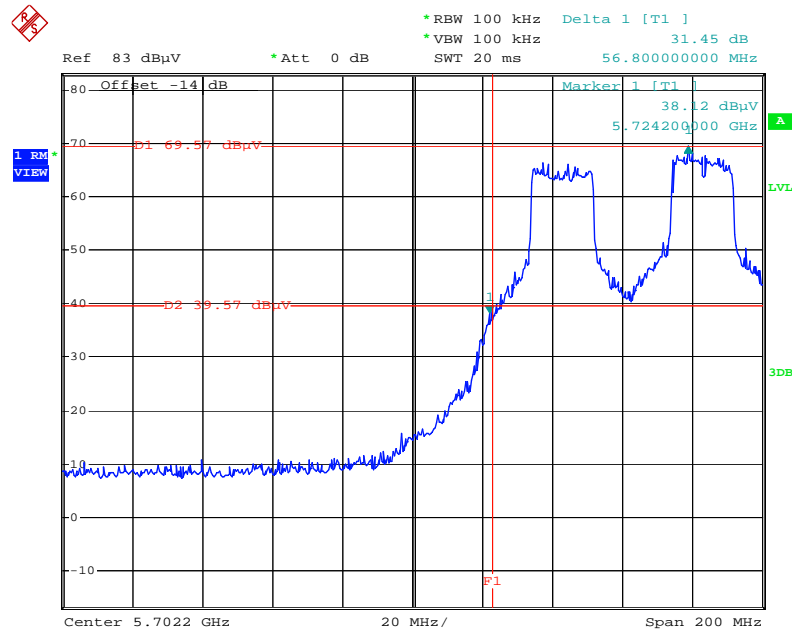
D2 1.09 dBuV

F1

Center 5.8674 GHz 20 MHz/ Span 200 MHz

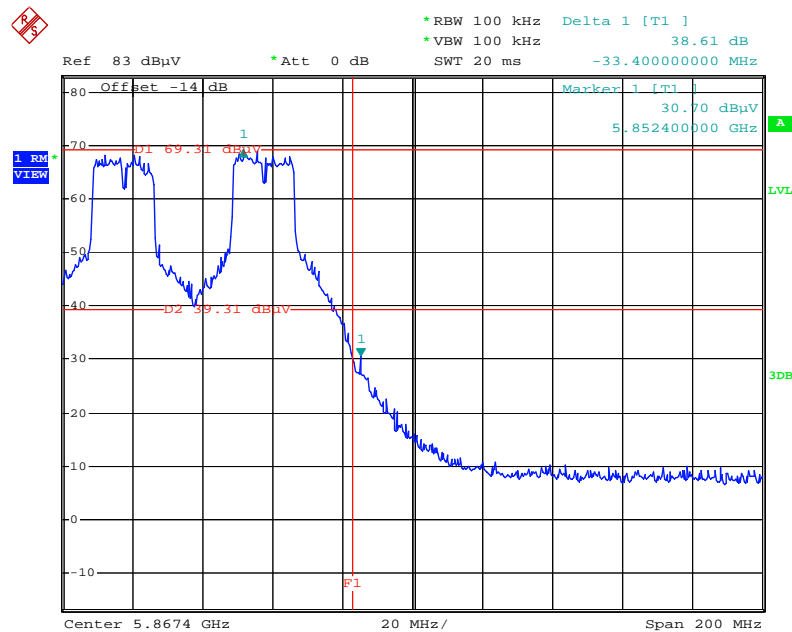
Issued Date : Jun. 21, 2012

Plot on Configuration IEEE 802.11n MCS8 20MHz / Chain 1 + Chain 2/ 5745MHz (2TX)



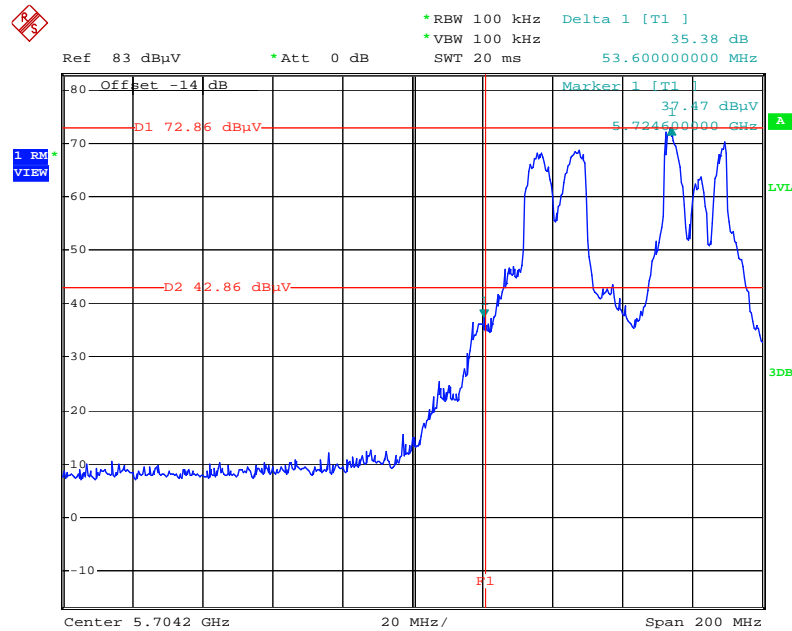
Date: 27.APR.2012 21:14:08

Plot on Configuration IEEE 802.11n MCS8 20MHz / Chain 1+ Chain 2/ 5785 MHz (2TX)



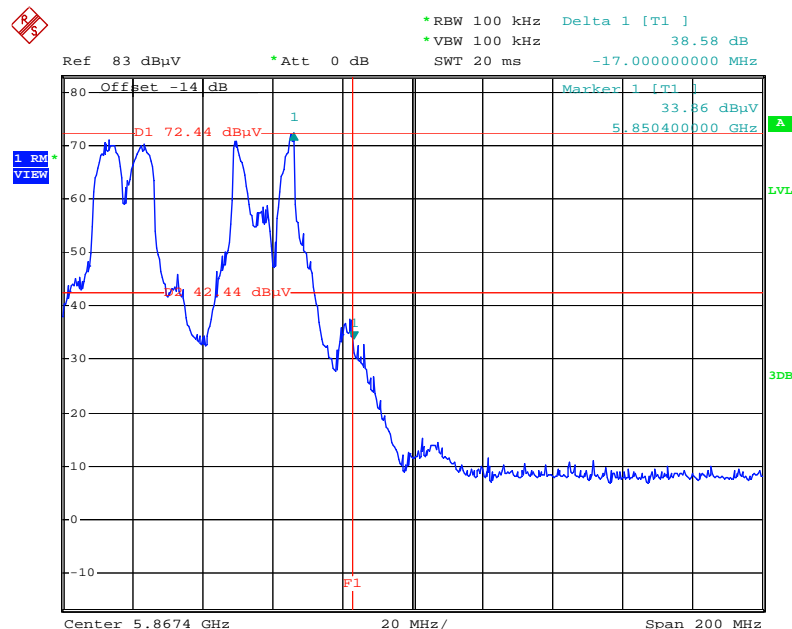
Date: 27.APR.2012 21:35:22

Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1 + Chain 2 + Chain 3 / 5745 MHz (3TX)



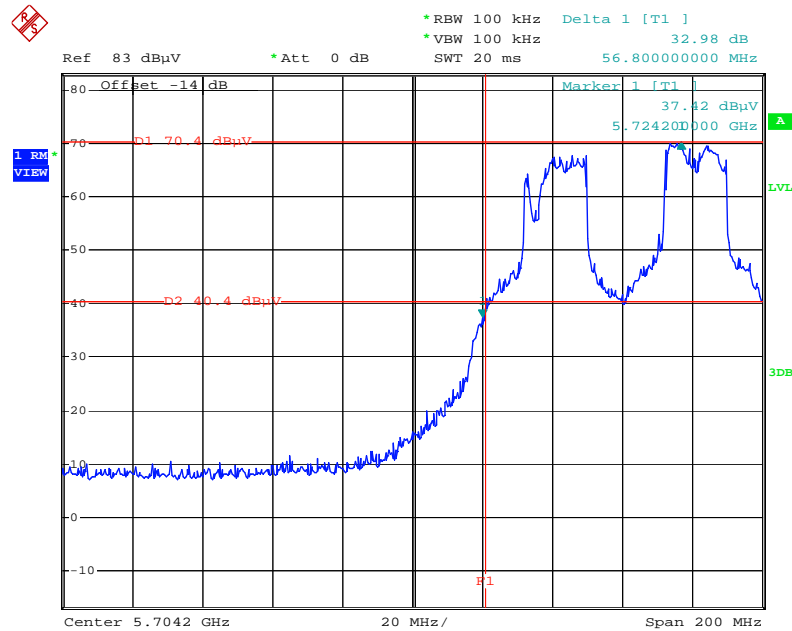
Date: 28.APR.2012 01:29:09

Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1+ Chain 2 + Chain 3 / 5785 MHz (3TX)



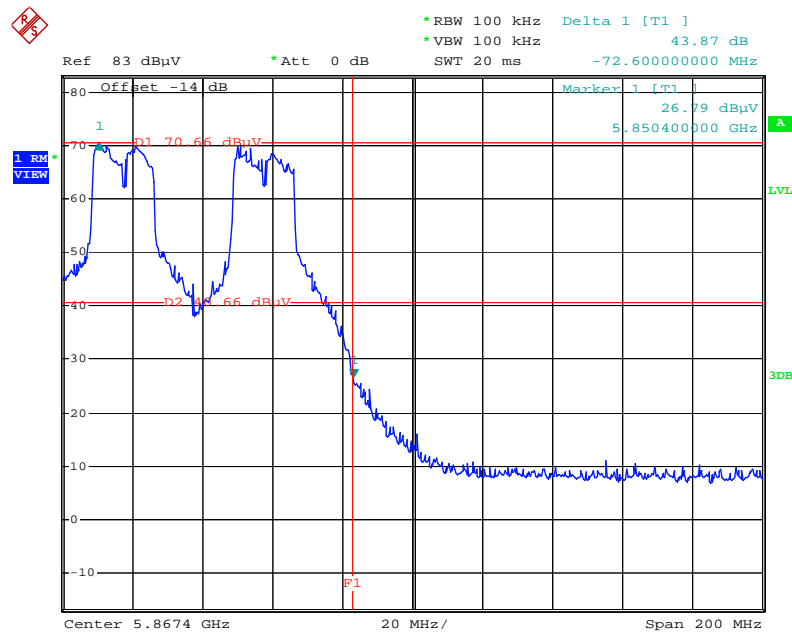
Date: 28.APR.2012 01:30:39

Plot on Configuration IEEE 802.11n MCS8 20MHz / Chain 1 + Chain 2 + Chain 3 / 5745 MHz (3TX)



Date: 28.APR.2012 01:27:58

Plot on Configuration IEEE 802.11n MCS8 20MHz / Chain 1 + Chain 2 + Chain 3 / 5785 MHz (3TX)



Date: 28.APR.2012 01:32:20



Ref 97 dBμV *Att 0 dB *RBW 100 kHz Delta 1 [T1] 30.34 dB
 *VBW 100 kHz 62.40000000 MHz
 SWT 20 ms

Marker 1 [T1] 48.97 dBμV
 5.721800000 GHz 1

01 79.31 dBμV
 02 48.31 dBμV

1 RM VIEW

Center 5.7162 GHz 20 MHz / Span 200 MHz

Ref 97 dBuV *Att 0 dB

*RBW 100 kHz Delta 1 [T1]

*VBW 100 kHz 36.97 dB

SWT 20 ms -73.20000000 MHz

Marker 1 [T1]

43.25 dBuV

5.851000000 GHz

1 RM MAXH

D1 80.22 dBuV

D2 50.22 dBuV

F1

Center 5.8278 GHz

20 MHz/

Span 200 MHz

Issued Date : Jun. 21, 2012



Ref 83 dBuV *Att 0 dB

*RBW 100 kHz Delta 1 [T1] 34.60 dB

*VBW 100 kHz

SWT 20 ms 96.000000000 MHz

Offset -14 dB

Marker 1 [T1] 31.83 dBuV 5.715000000 GHz

D1 65.93 dBuV

D2 35.93 dBuV

F1

Center 5.7202 GHz 20 MHz/ Span 200 MHz

Ref 83 dBuV *Att 0 dB

*RBW 100 kHz Delta 1 [T1]
 *VBW 100 kHz 37.19 dB
 SWT 20 ms -42.60000000 MHz

Offset -14 dB

Marker 1 [T1]
 28.31 dBuV
 5.854400000 GHz

D1 65.51 dBuV
 D2 35.51 dBuV

F1

Center 5.8314 GHz 20 MHz / Span 200 MHz

Issued Date : Jun. 21, 2012



Ref 83 dBμV *Att 0 dB

*RBW 100 kHz Delta 1 [T1] 30.47 dB
 *VBW 100 kHz
 SWT 20 ms 58.800000000 MHz

Offset -14 dB

Marker 1 [T1] 34.17 dBμV
 5.723000000 GHz

1 RM VIEW

D1 64.64 dBμV

D2 34.64 dBμV

F1

Center 5.7202 GHz 20 MHz/ Span 200 MHz

Ref 83 dBuV *Att 0 dB

*RBW 100 kHz Delta 1 [T1] 40.76 dB

*VBW 100 kHz -70.200000000 MHz

SWT 20 ms

Offset -14 dB

Marker 1 [T1] 25.51 dBuV 5.850400000 GHz

D1 66.36 dBuV

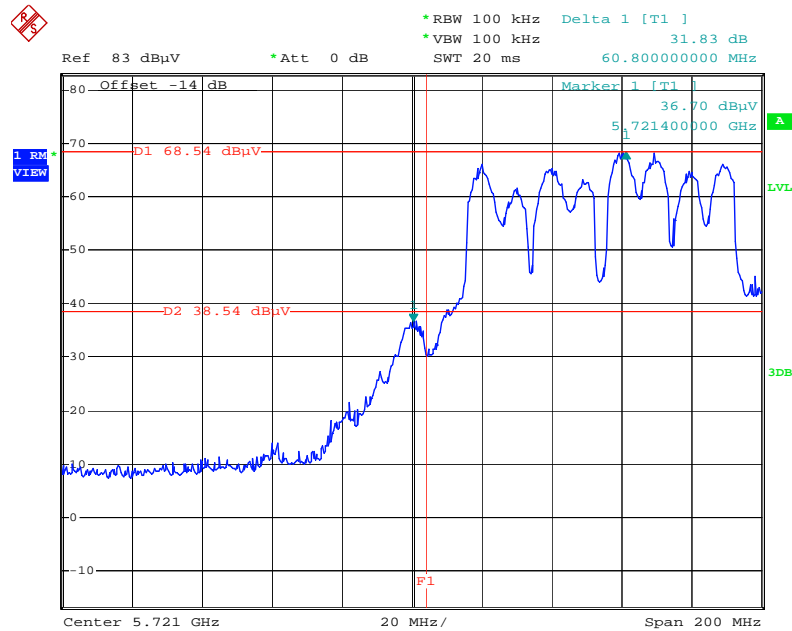
D2 36.36 dBuV

F1

Center 5.8314 GHz 20 MHz / Span 200 MHz

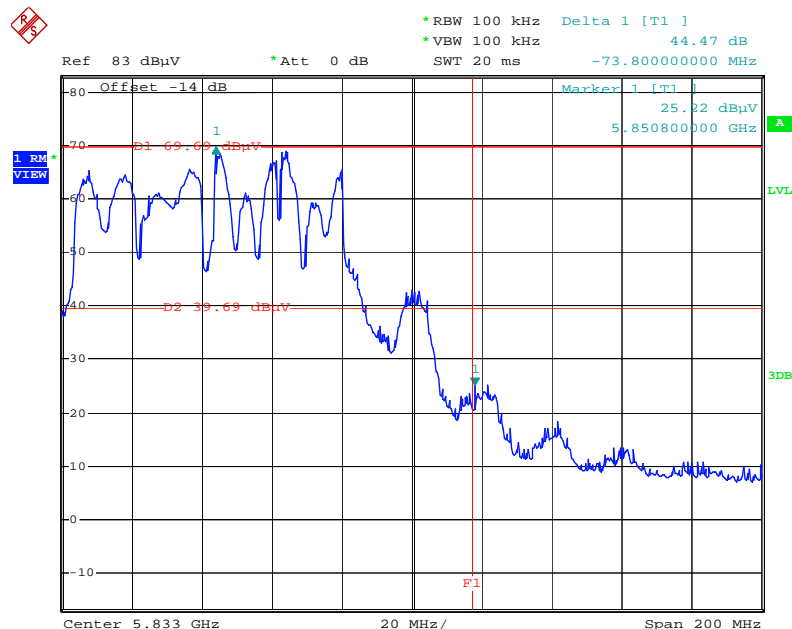
Issued Date : Jun. 21, 2012

Plot on Configuration IEEE 802.11n MCS0 40MHz / Chain 1 + Chain 2 + Chain 3 / 5755 MHz (3TX)



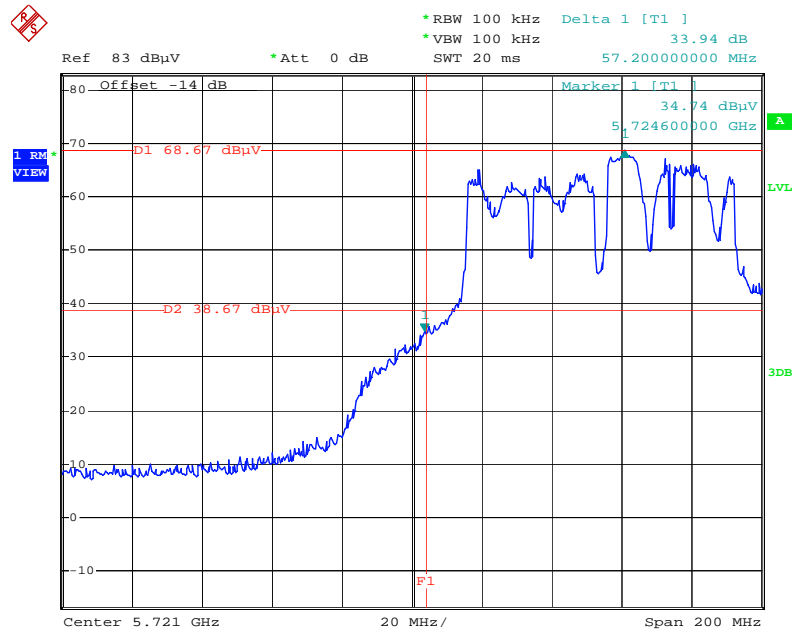
Date: 28.APR.2012 01:26:13

Plot on Configuration IEEE 802.11n MCS0 40MHz / Chain 1 + Chain 2 + Chain 3 / 5795 MHz (3TX)



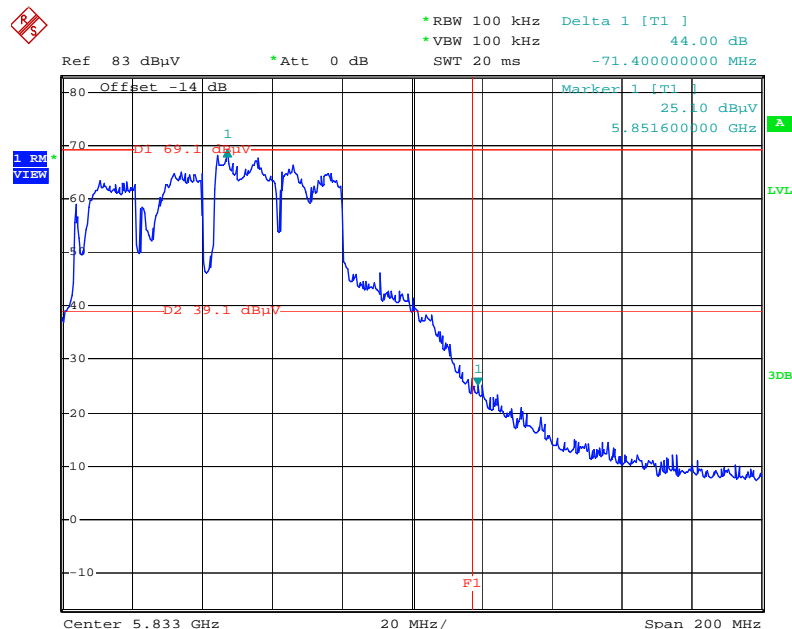
Date: 28.APR.2012 01:34:29

Plot on Configuration IEEE 802.11n MCS8 40MHz / Chain 1 + Chain 2 + Chain 3 / 5755 MHz (3TX)



Date: 28.APR.2012 01:24:33

Plot on Configuration IEEE 802.11n MCS8 40MHz / Chain 1 + Chain 2 + Chain 3 / 5795 MHz (3TX)

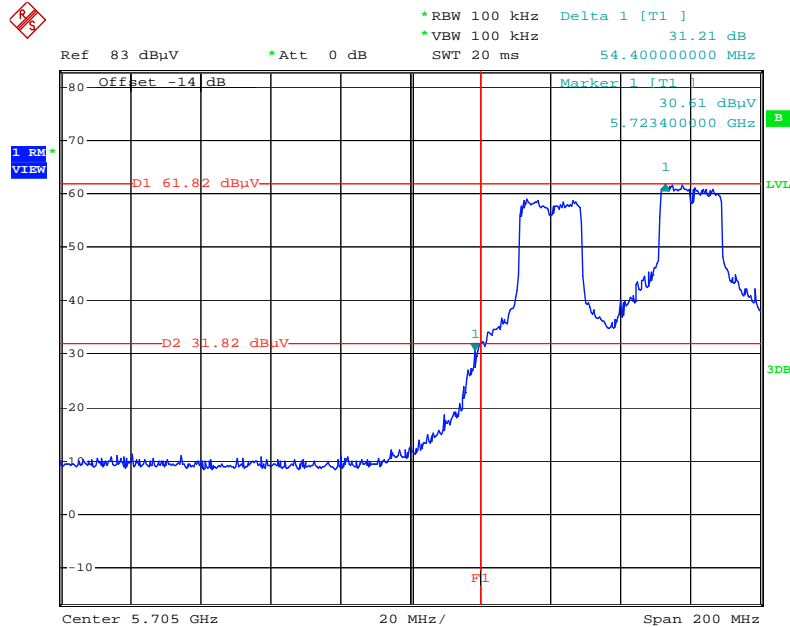


Date: 28.APR.2012 01:35:50

Test Mode : Mode 7 (Ant. 7 Patch antenna / 2.3dBi)

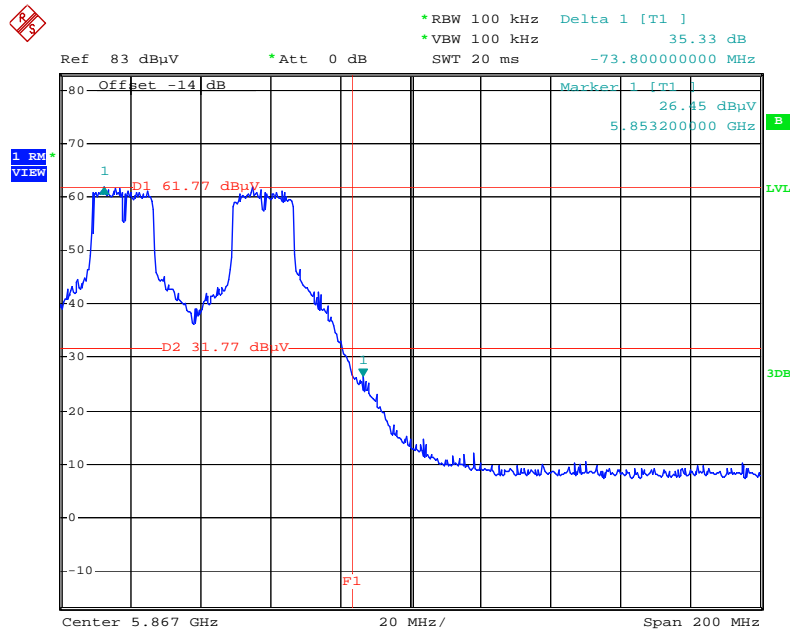
For Emission not in Restricted Band

Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1 / 5745 MHz (1TX)



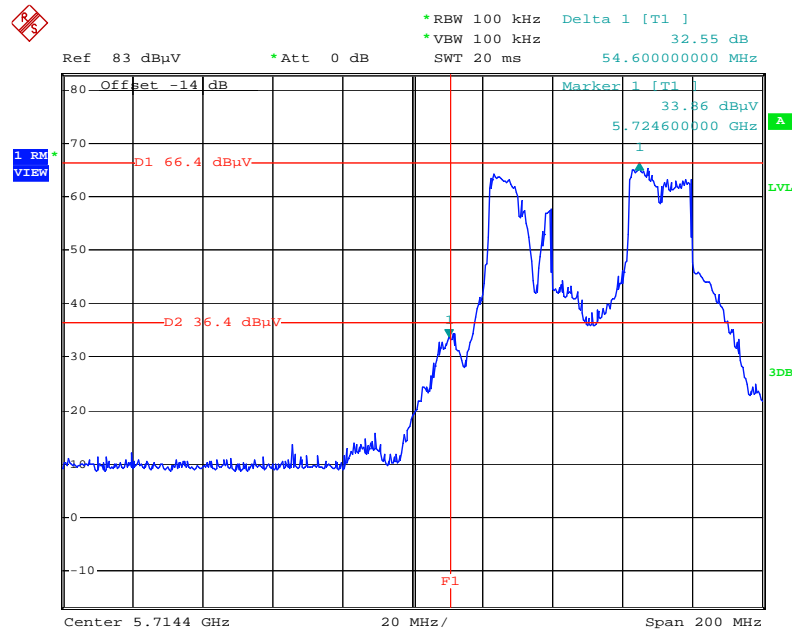
Date: 21.APR.2012 16:54:02

Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1/ 5825 MHz (1TX)



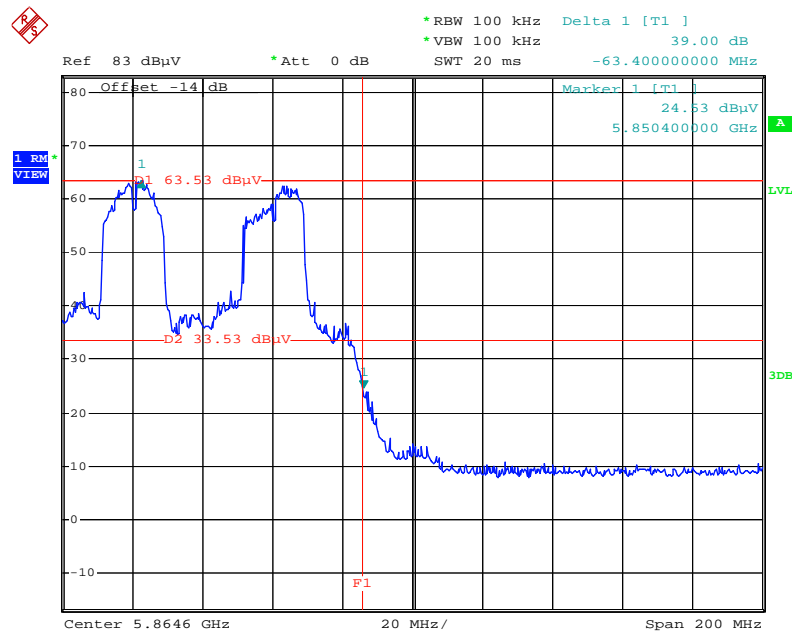
Date: 21.APR.2012 16:50:41

Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1 + Chain 2/ 5745 MHz (2TX)



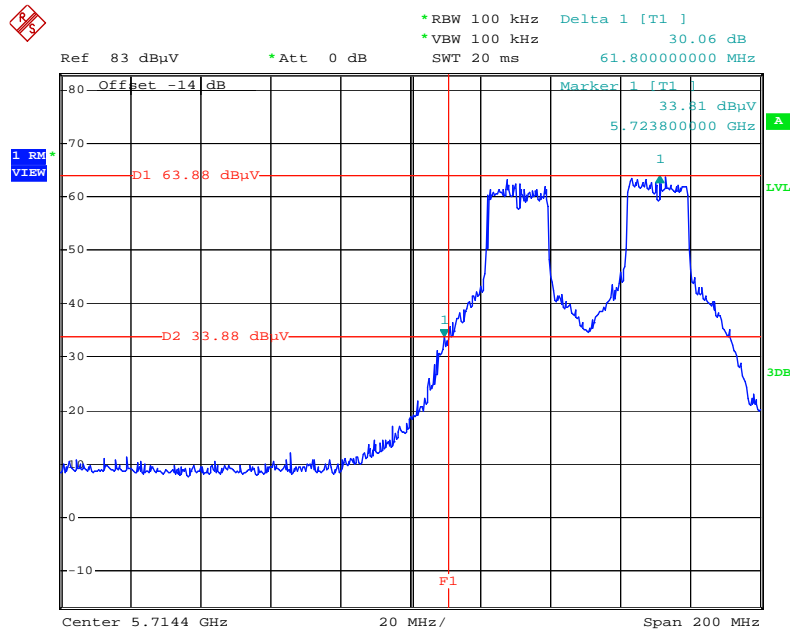
Date: 23.APR.2012 23:08:46

Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1+ Chain 2/ 5785 MHz (2TX)



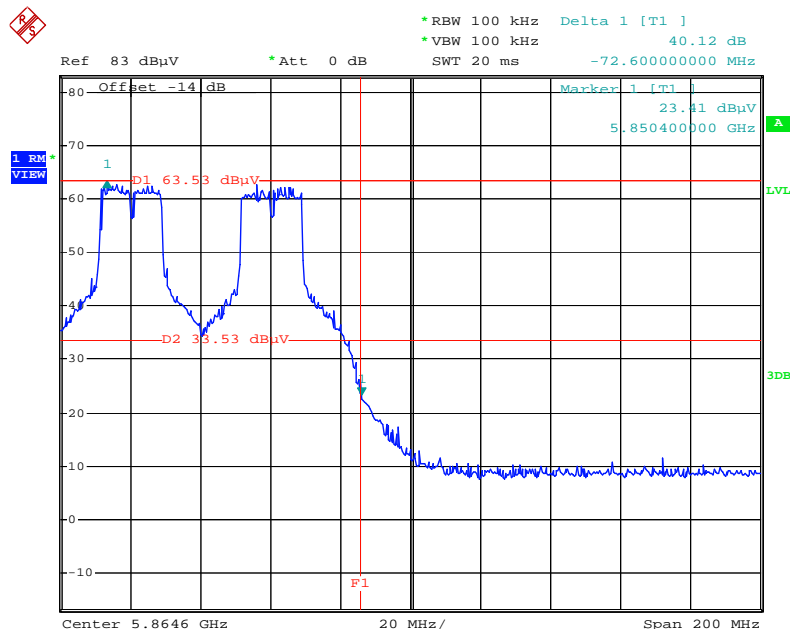
Date: 24.APR.2012 00:12:24

Plot on Configuration IEEE 802.11n MCS8 20MHz / Chain 1 + Chain 2/ 5745MHz (2TX)



Date: 23.APR.2012 23:10:49

Plot on Configuration IEEE 802.11n MCS8 20MHz / Chain 1+ Chain 2/ 5785 MHz (2TX)



Date: 24.APR.2012 00:16:27



Ref 83 dBμV *Att 0 dB *RBW 100 kHz Delta 1 [T1] 30.82 dB
 *VBW 100 kHz 62.800000000 MHz
 SWT 20 ms

Offset -14 dB

Marker 1 [T1] 37.05 dBμV
 5.724600000 GHz

D1 67.87 dBμV
 D2 37.87 dBμV

Center 5.705 GHz 20 MHz / Span 200 MHz

Ref 83 dBμV *Att 0 dB

*RBW 100 kHz Delta 1 [T1]
 *VBW 100 kHz 40.04 dB
 SWT 20 ms -69.40000000 MHz

Offset -14 dB

Marker 1 [T1]
 27.12 dBμV
 5.850400000 GHz

1 RM VIEW

D1 67.46 dBμV

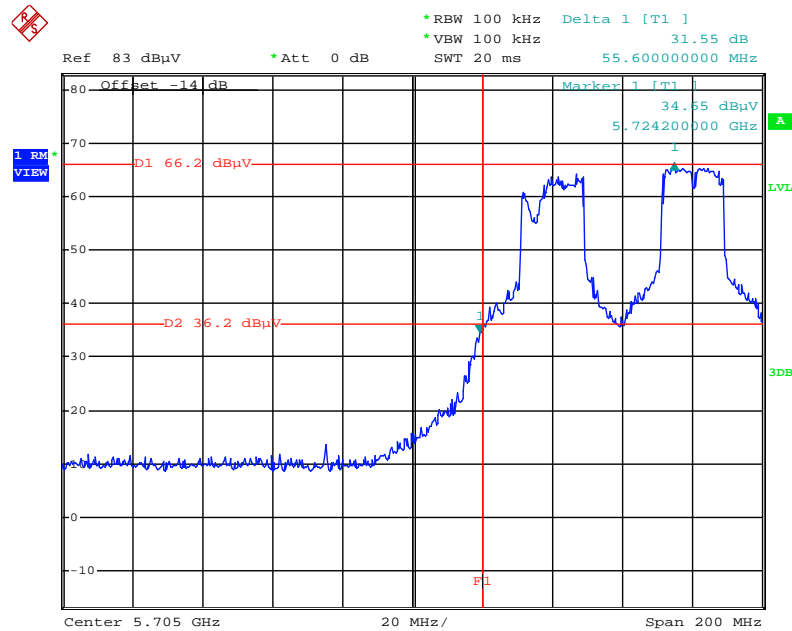
D2 37.46 dBμV

T1

Center 5.869 GHz 20 MHz/ Span 200 MHz

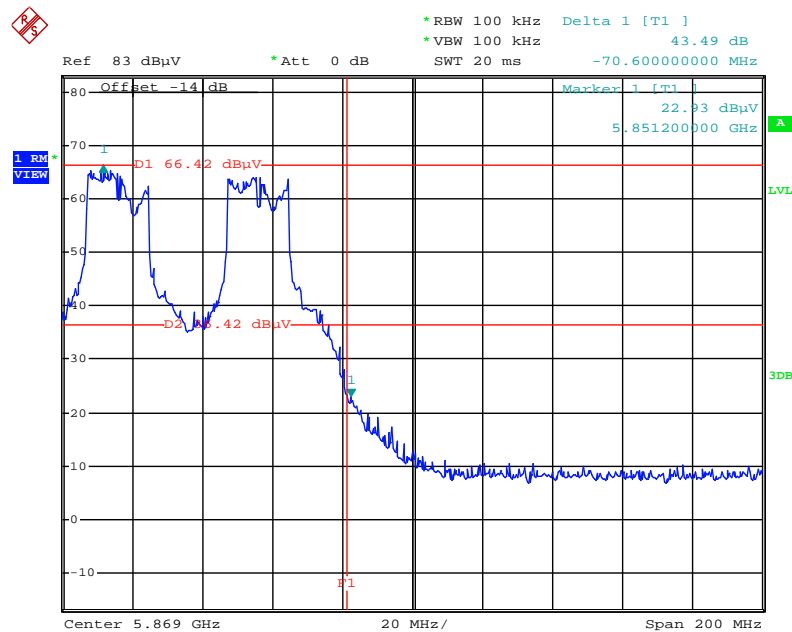
Issued Date : Jun. 21, 2012

Plot on Configuration IEEE 802.11n MCS8 20MHz / Chain 1 + Chain 2 + Chain 3 / 5745 MHz (3TX)



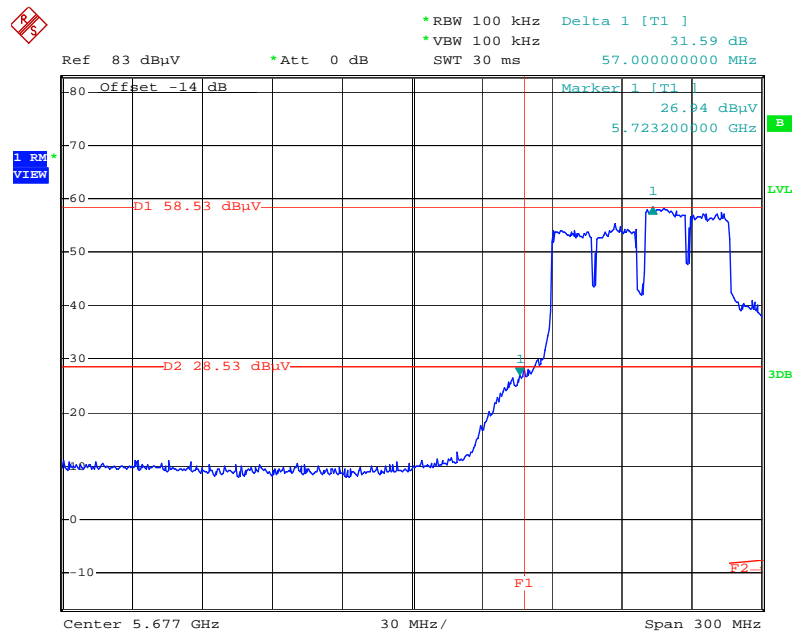
Date: 25.APR.2012 04:04:52

Plot on Configuration IEEE 802.11n MCS8 20MHz / Chain 1+ Chain 2 + Chain 3 / 5785 MHz (3TX)



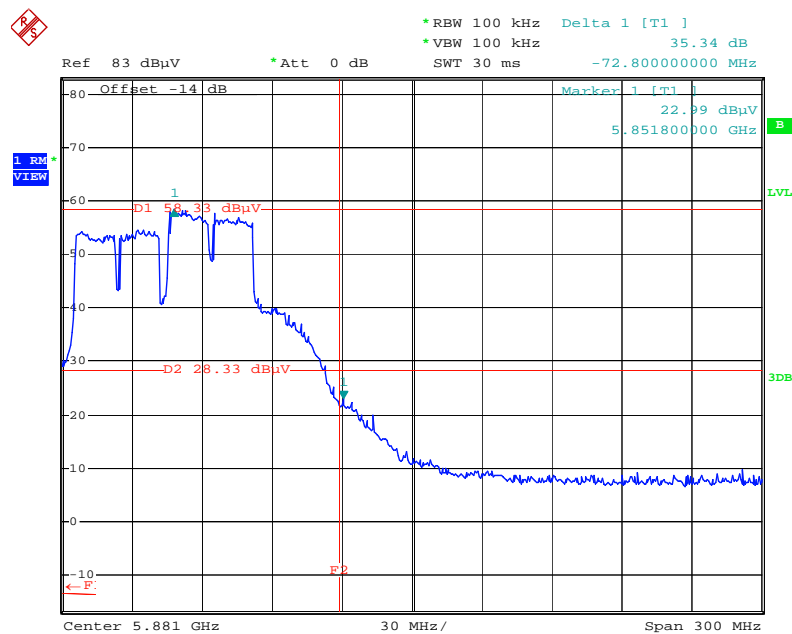
Date: 25.APR.2012 04:19:05

Plot on Configuration IEEE 802.11n MCS0 40MHz / Chain 1 / 5755 MHz (1TX)



Date: 21.APR.2012 17:14:04

Plot on Configuration IEEE 802.11n MCS0 40MHz / Chain 1 / 5795 MHz (1TX)



Date: 21.APR.2012 17:16:00



Ref 83 dBuV *Att 0 dB RBW 100 kHz Delta 1 [T1] VBW 100 kHz SWT 20 ms 32.68 dBuV 5.717000000 GHz 67.600000000 MHz

Offset -14 dB

Marker 1 [T1] 32.68 dBuV 5.717000000 GHz

D1 64.28 dBuV

D2 34.28 dBuV

Center 5.7254 GHz 20 MHz/ Span 200 MHz

Ref 83 dBμV *Att 0 dB

*RBW 100 kHz Delta 1 [T1] 39.69 dB
 *VBW 100 kHz
 SWT 20 ms -77.80000000 MHz

Offset -14 dB

Marker 1 [T1]
 20.52 dBμV
 5.856000000 GHz

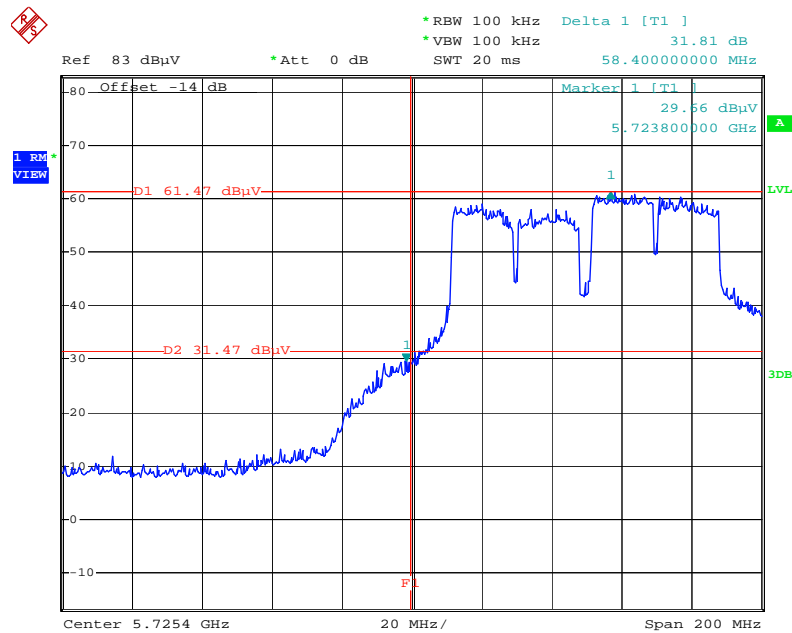
D1 60.31 dBμV
 D2 30.31 dBμV

1 RM VIEW

Center 5.8306 GHz 20 MHz / Span 200 MHz

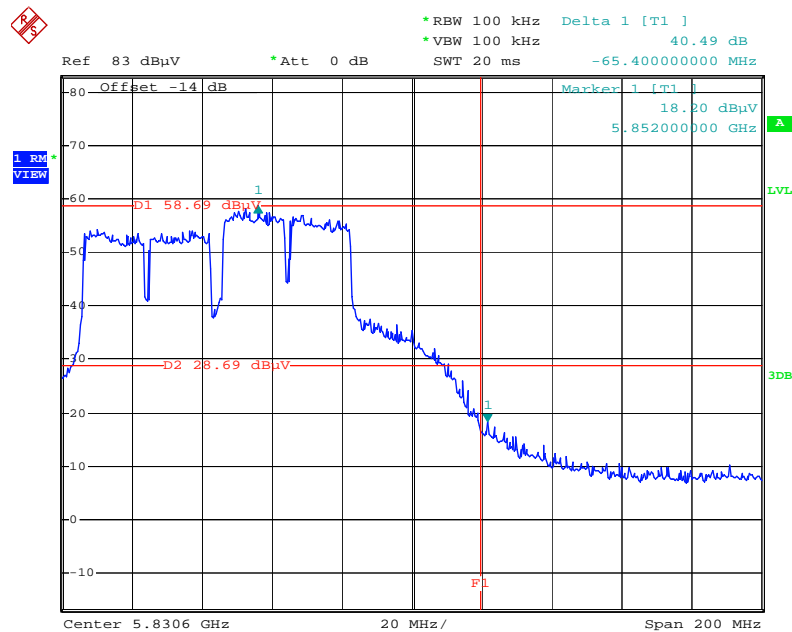
Issued Date : Jun. 21, 2012

Plot on Configuration IEEE 802.11n MCS8 40MHz / Chain 1 + Chain 2/ 5755 MHz (2TX)



Date: 23.APR.2012 23:54:46

Plot on Configuration IEEE 802.11n MCS8 40MHz / Chain 1 + Chain 2/ 5795 MHz (2TX)



Date: 24.APR.2012 00:23:21



Ref 83 dBuV *Att 0 dB Delta 1 [T1] 34.66 dB
SWT 20 ms 64.40000000 MHz

Offset -14 dB

Marker 1 [T1] 30.97 dBuV
5.722200000 GHz

D1 65.63 dBuV

D2 35.63 dBuV

F1

Center 5.7206 GHz 20 MHz/ Span 200 MHz

Ref 83 dBuV *Att 0 dB

*RBW 100 kHz Delta 1 [T1] 40.16 dB
 *VBW 100 kHz -61.000000000 MHz
 SWT 20 ms

Offset -14 dB

Marker 1 [T1]
 24.04 dBuV
 5.851600000 GHz

D1 64.2 dBuV

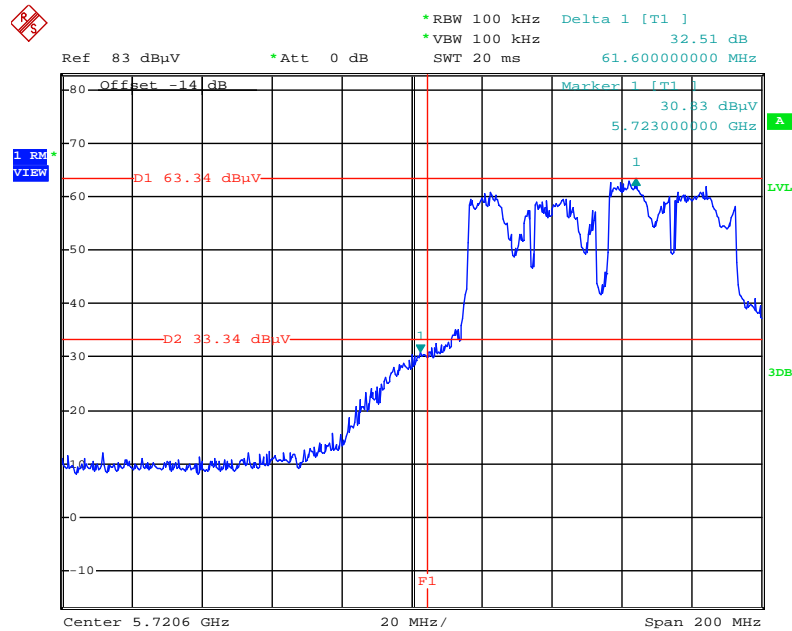
D2 34.2 dBuV

f1

Center 5.8282 GHz 20 MHz / Span 200 MHz

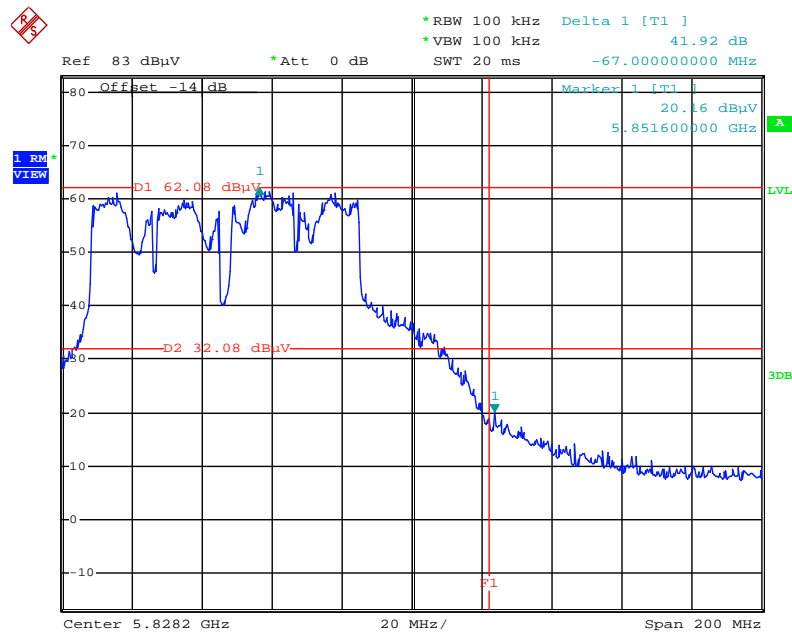
Issued Date : Jun. 21, 2012

Plot on Configuration IEEE 802.11n MCS8 40MHz / Chain 1 + Chain 2 + Chain 3 / 5755 MHz (3TX)



Date: 25.APR.2012 04:13:37

Plot on Configuration IEEE 802.11n MCS8 40MHz / Chain 1 + Chain 2 + Chain 3 / 5795 MHz (3TX)

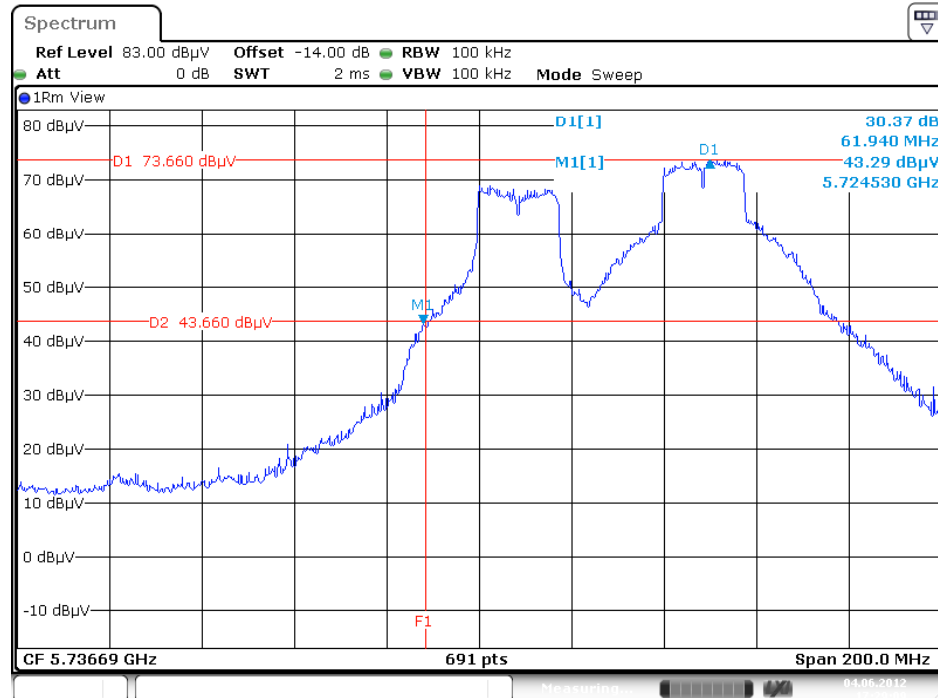


Date: 25.APR.2012 04:15:28

Test Mode : Mode 8 (Ant. 8 Panel antenna / 10.5dBi)

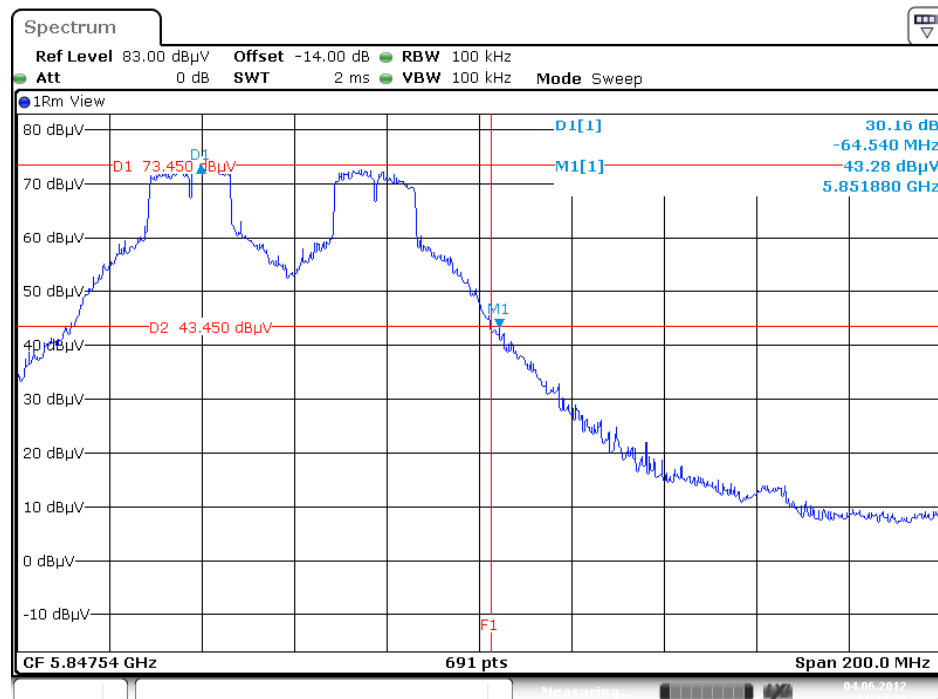
For Emission not in Restricted Band

Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1 / 5745 MHz (1TX)



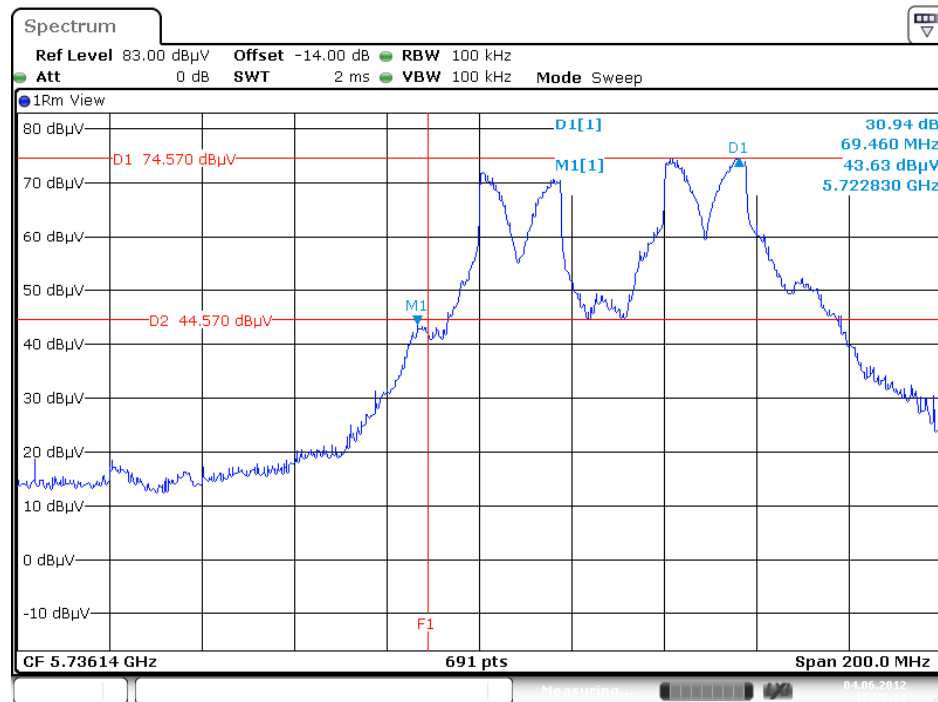
Date: 4.JUN.2012 17:29:09

Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1 / 5825 MHz (1TX)



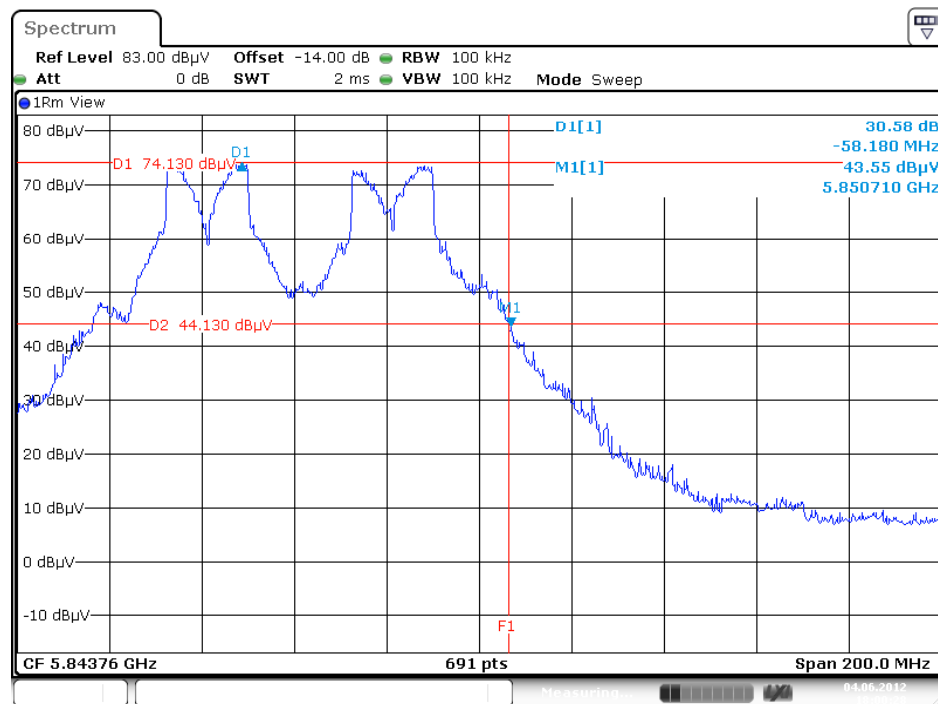
Date: 4.JUN.2012 17:34:29

Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1 + Chain 2/ 5745 MHz (2TX)



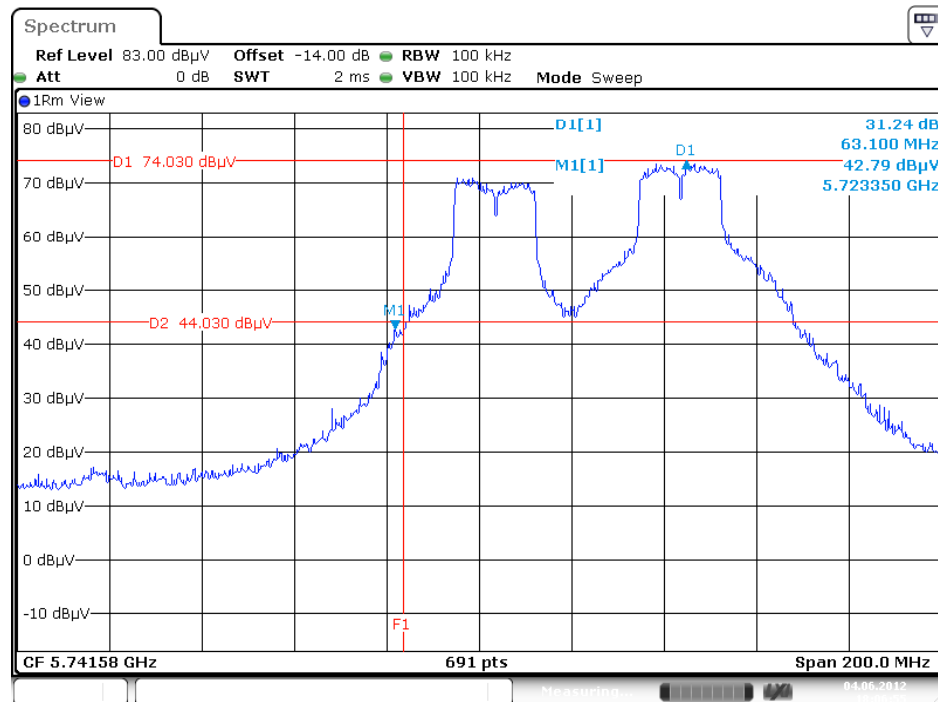
Date: 4 JUN 2012 17:57:19

Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1 + Chain 2/ 5785 MHz (2TX)



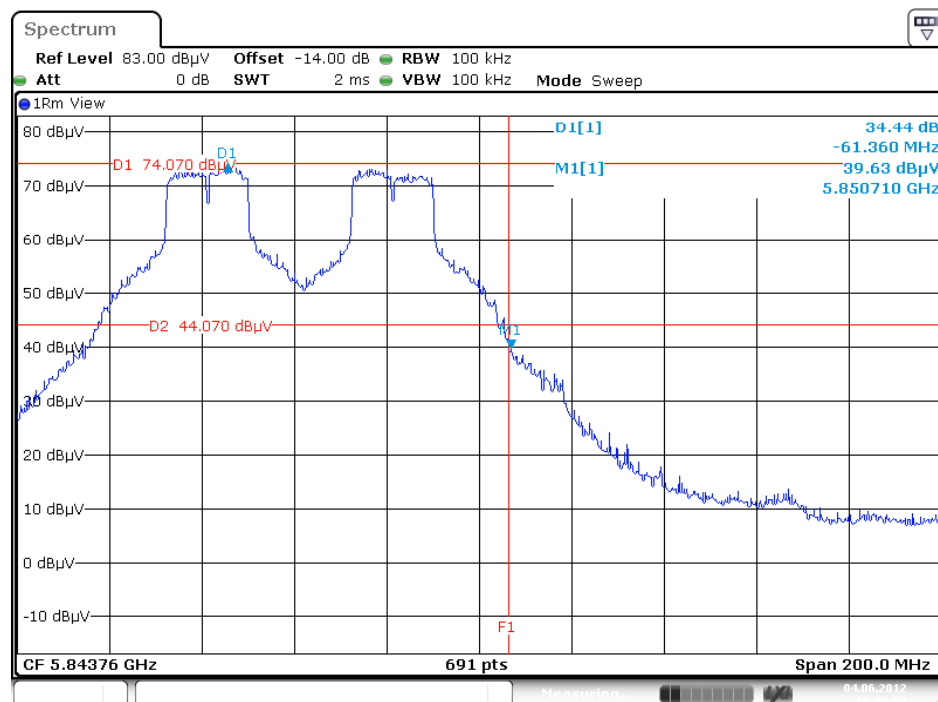
Date: 4 JUN 2012 18:00:28

Plot on Configuration IEEE 802.11n MCS8 20MHz / Chain 1 + Chain 2 / 5745MHz (2TX)



Date: 4.JUN.2012 18:06:55

Plot on Configuration IEEE 802.11n MCS8 20MHz / Chain 1 + Chain 2 / 5785 MHz (2TX)

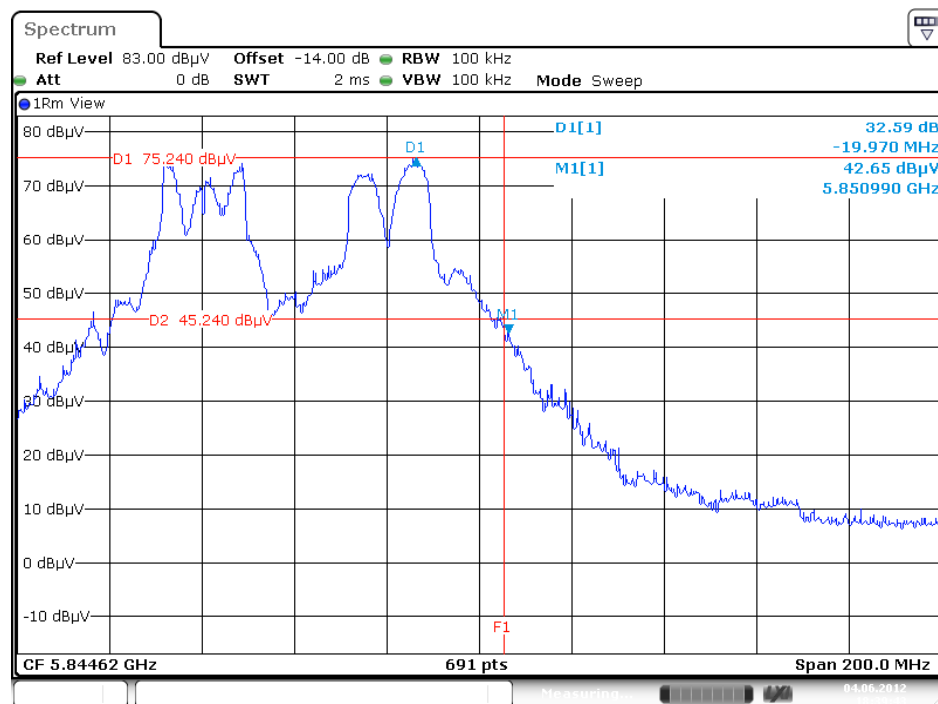


Date: 4.JUN.2012 18:03:54

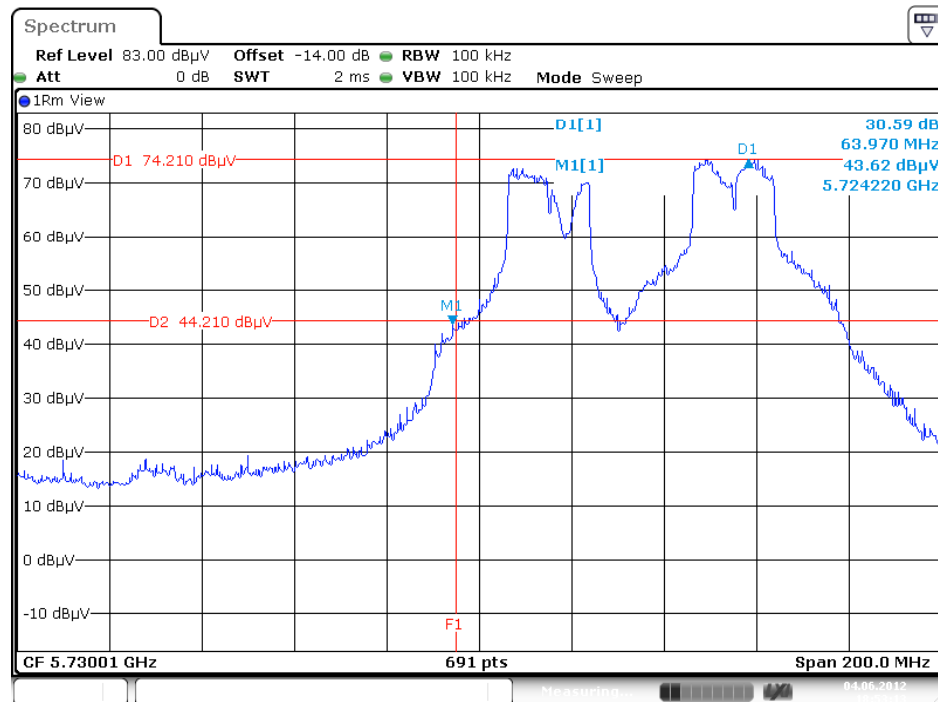
Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1 + Chain 2 + Chain 3 / 5745 MHz (3TX)



Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1 + Chain 2 + Chain 3 / 5785 MHz (3TX)

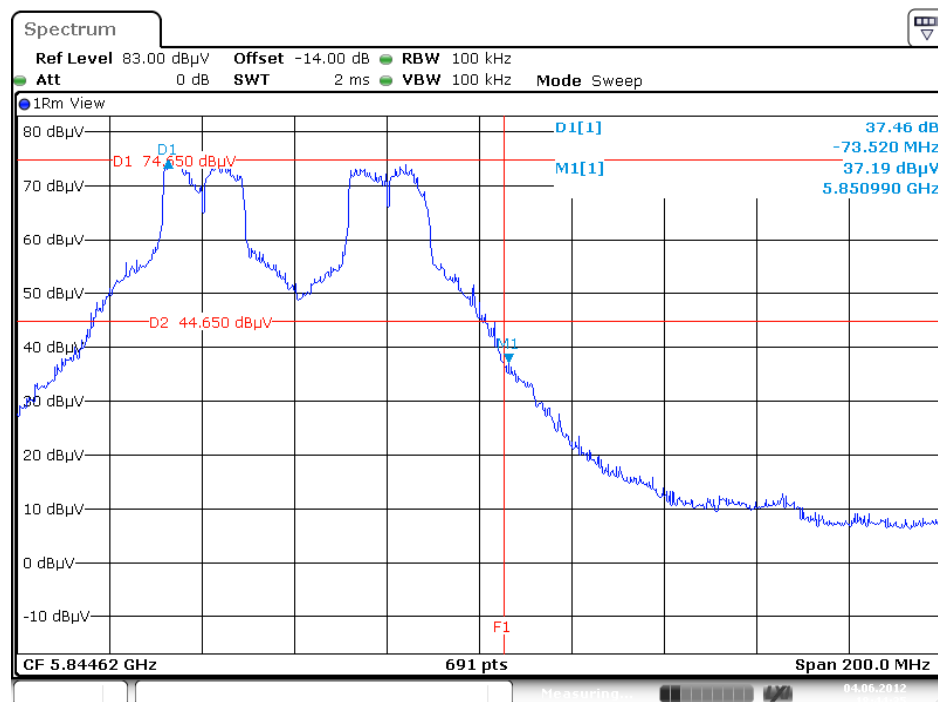


Plot on Configuration IEEE 802.11n MCS8 20MHz / Chain 1 + Chain 2 + Chain 3 / 5745 MHz (3TX)



Date: 4.JUN.2012 18:53:14

Plot on Configuration IEEE 802.11n MCS8 20MHz / Chain 1 + Chain 2 + Chain 3 / 5785 MHz (3TX)



Date: 4.JUN.2012 18:44:35



Spectrum

Ref Level 83.00 dBμV Offset -14.00 dB RBW 100 kHz
Att 0 dB SWT 2 ms VBW 100 kHz Mode Sweep

1Rm View

31.07 dB
61.360 MHz
39.33 dBμV
5.724090 GHz

D1[1] M1[1] D1

D1 70.400 dBμV

D2 40.400 dBμV

M1

F1

CF 5.75101 GHz 691 pts Span 200.0 MHz

Spectrum

Ref Level 83.00 dBμV Offset -14.00 dB RBW 100 kHz
Att 0 dB SWT 2 ms VBW 100 kHz Mode Sweep

IRm View

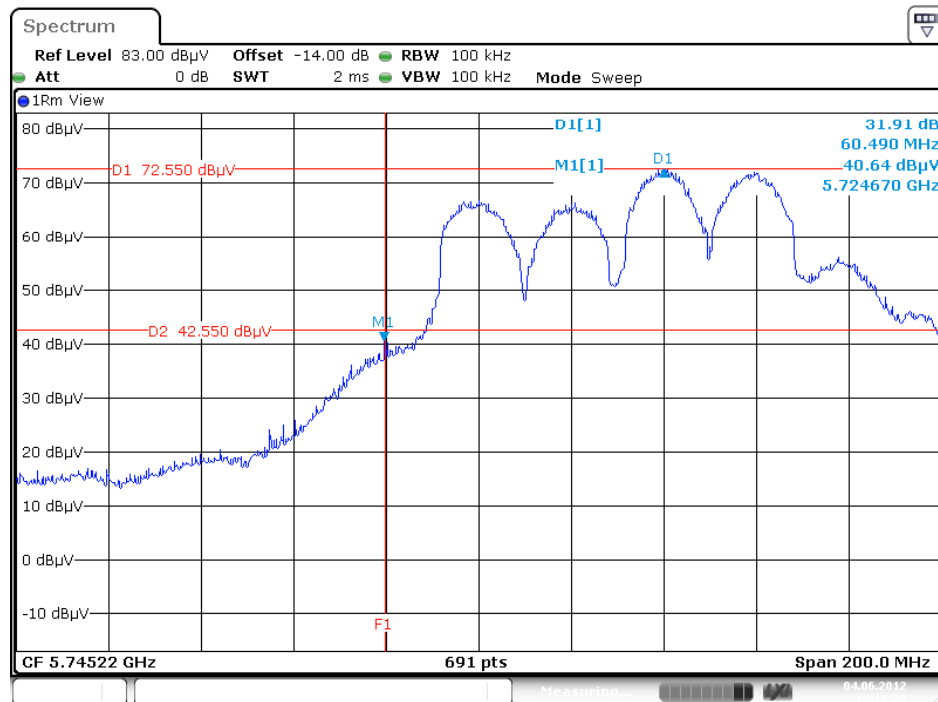
80 dBμV
70 dBμV D1 70.520 dBμV
60 dBμV
50 dBμV
40 dBμV D2 40.520 dBμV
30 dBμV
20 dBμV
10 dBμV
0 dBμV
-10 dBμV

D1[1]
M1[1]
30.70 dB
-66.280 MHz
39.81 dBμV
5.850860 GHz
M1
F1

CF 5.8141 GHz 691 pts Span 200.0 MHz

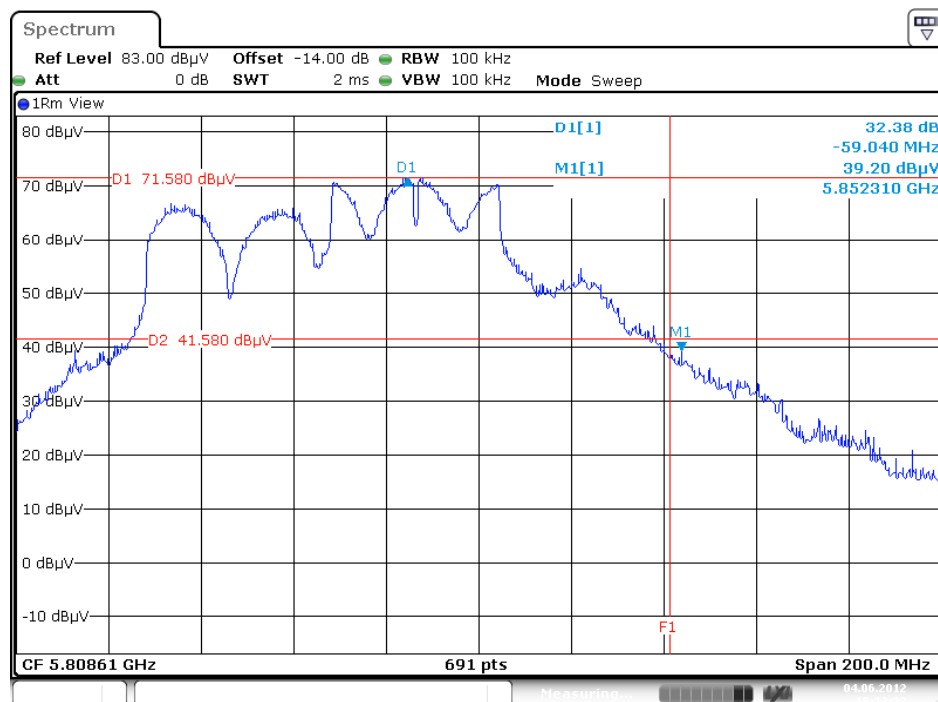
Issued Date : Jun. 21, 2012

Plot on Configuration IEEE 802.11n MCS0 40MHz / Chain 1 + Chain 2 / 5755 MHz (2TX)



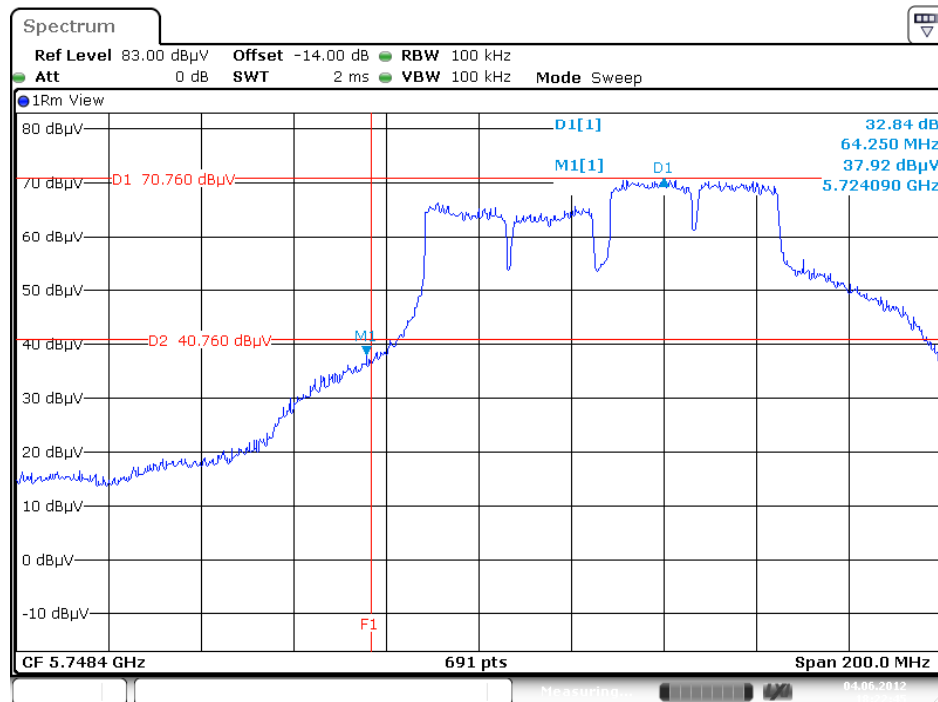
Date: 4.JUN.2012 18:10:29

Plot on Configuration IEEE 802.11n MCS0 40MHz / Chain 1 + Chain 2 / 5795 MHz (2TX)



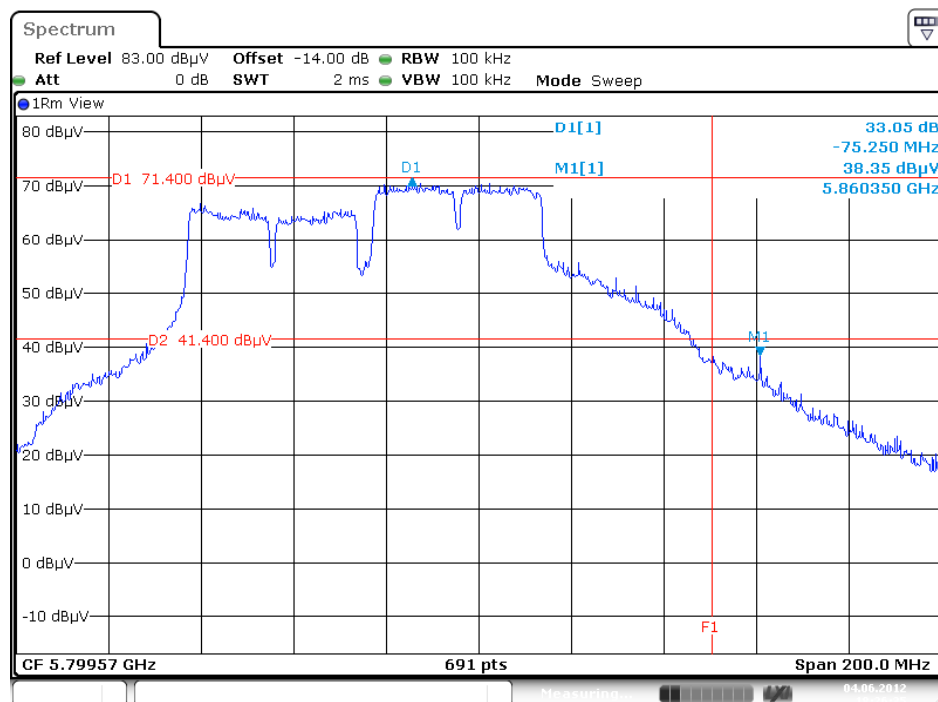
Date: 4.JUN.2012 18:12:33

Plot on Configuration IEEE 802.11n MCS8 40MHz / Chain 1 + Chain 2/ 5755 MHz (2TX)



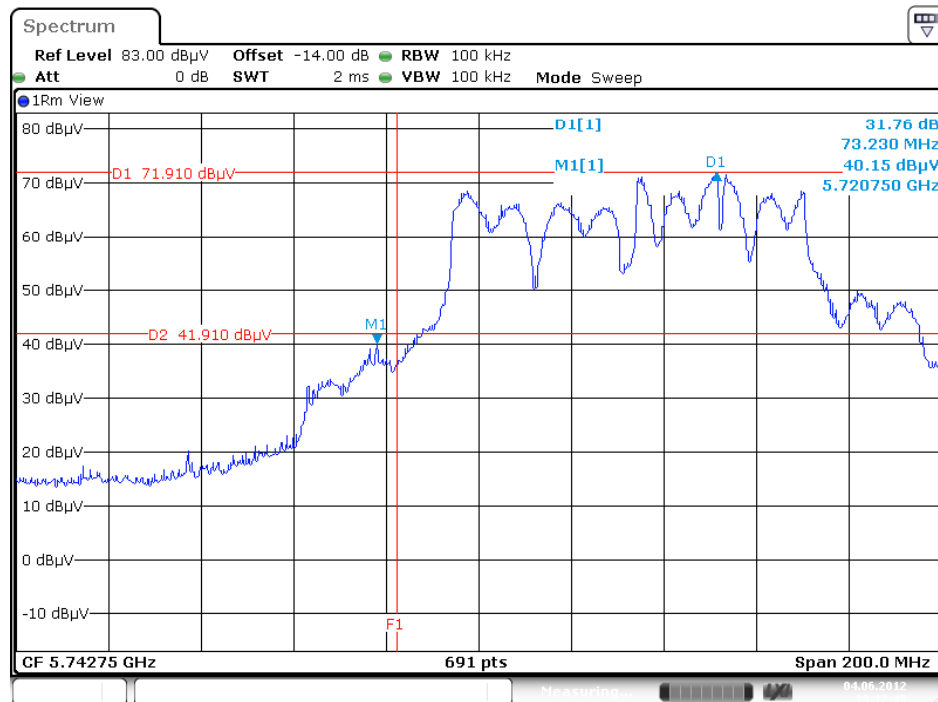
Date: 4.JUN.2012 18:22:46

Plot on Configuration IEEE 802.11n MCS8 40MHz / Chain 1 + Chain 2/ 5795 MHz (2TX)

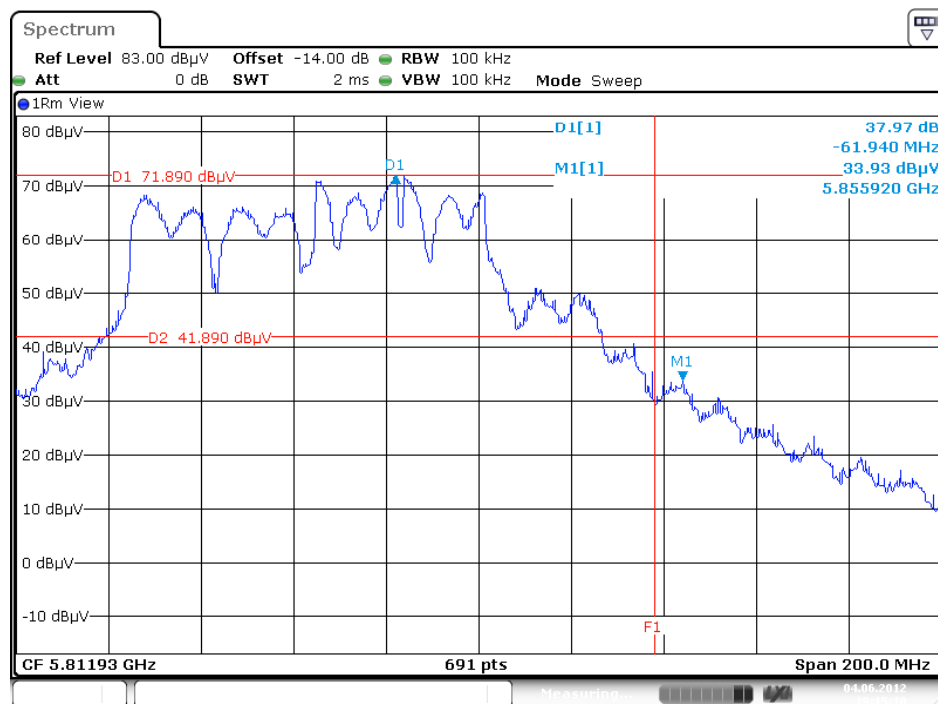


Date: 4.JUN.2012 18:26:35

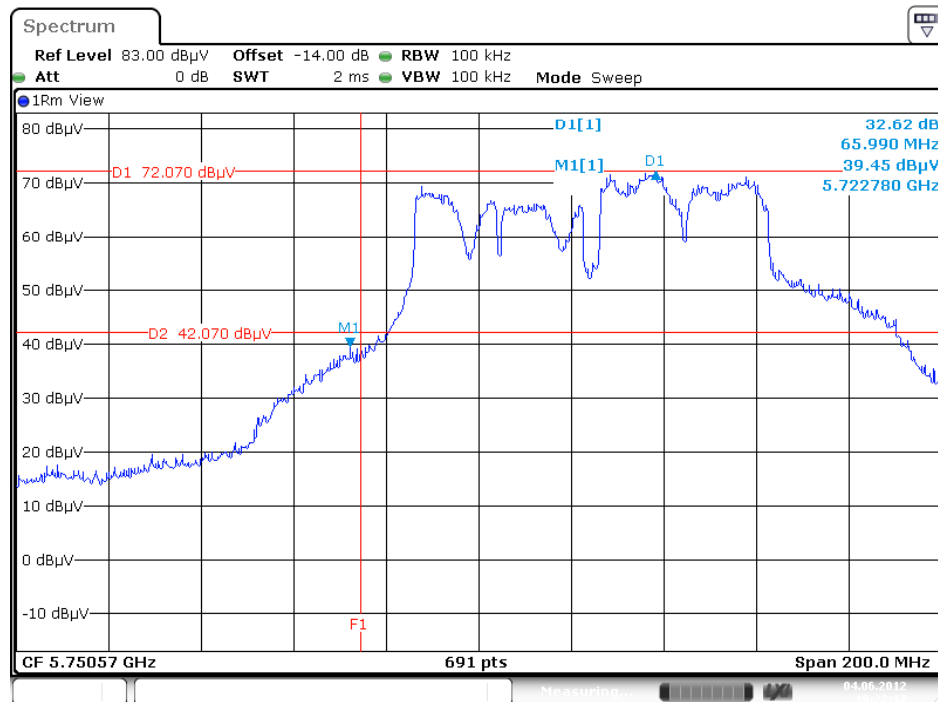
Plot on Configuration IEEE 802.11n MCS0 40MHz / Chain 1 + Chain 2 + Chain 3 / 5755 MHz (3TX)



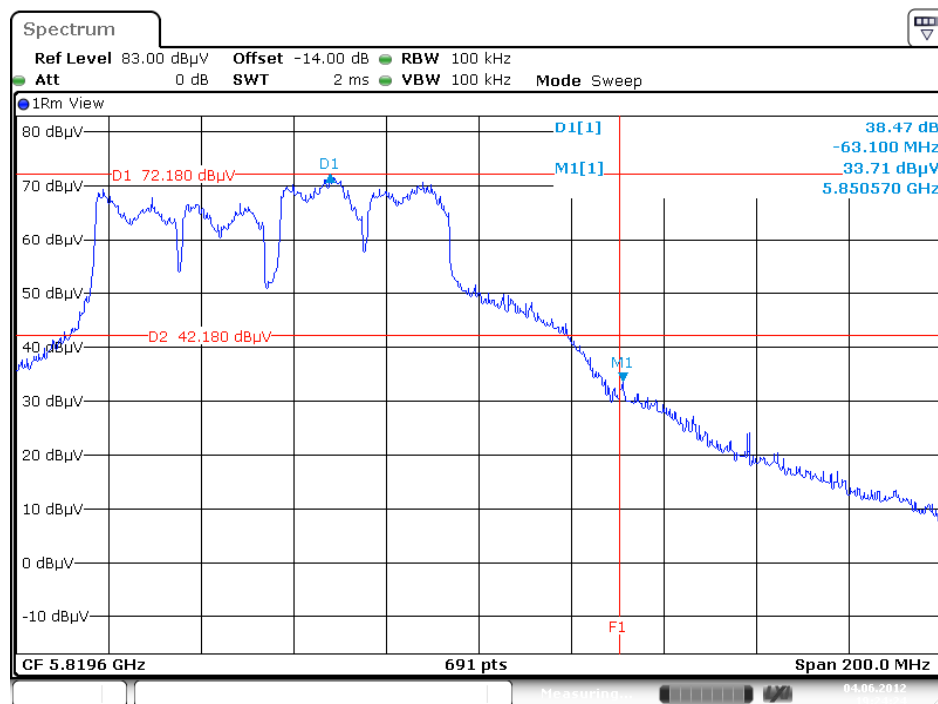
Plot on Configuration IEEE 802.11n MCS0 40MHz / Chain 1 + Chain 2 + Chain 3 / 5795 MHz (3TX)



Plot on Configuration IEEE 802.11n MCS8 40MHz / Chain 1 + Chain 2 + Chain 3 / 5755 MHz (3TX)



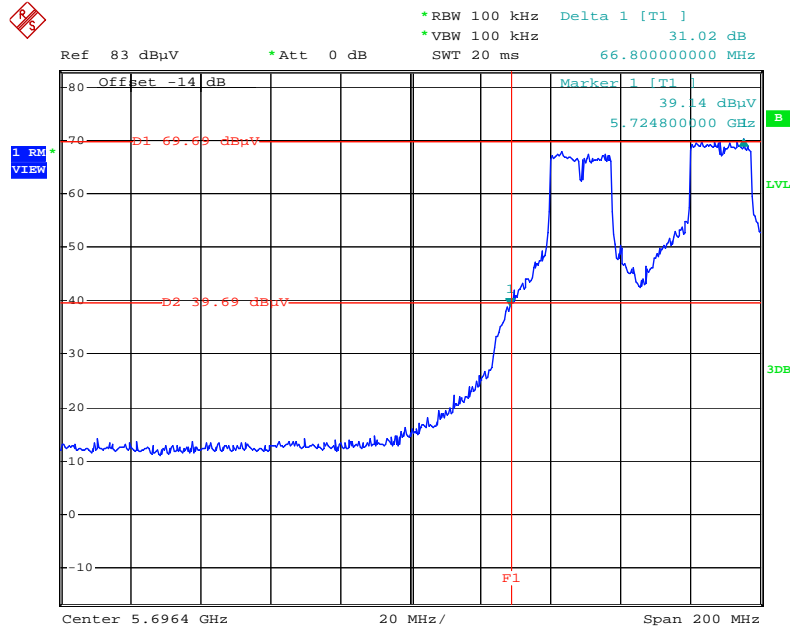
Plot on Configuration IEEE 802.11n MCS8 40MHz / Chain 1 + Chain 2 + Chain 3 / 5795 MHz (3TX)



Test Mode : Mode 9 (Ant. 9 Yagi antenna / 8dBi)

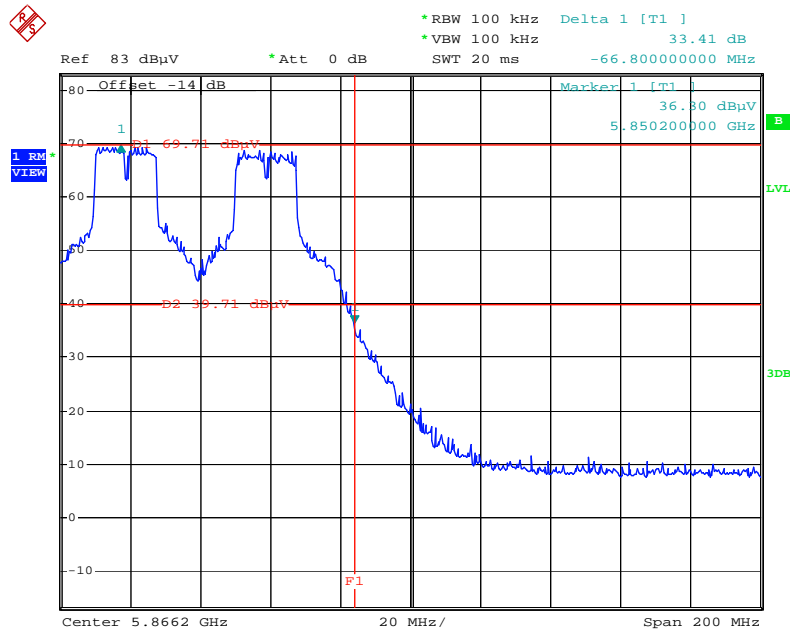
For Emission not in Restricted Band

Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1 / 5745 MHz (1TX)



Date: 30.APR.2012 19:47:36

Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1/ 5825 MHz (1TX)



Date: 30.APR.2012 19:49:41



Ref 83 dBμV *Att 0 dB

*RBW 100 kHz Delta 1 [T1] 31.30 dB
 *VBW 100 kHz 52.884615385 MHz
 SWT 20 ms

Offset -14 dB

Marker 1 [T1] 40.42 dBμV
 1 5.72445128 GHz

D1 71.71 dBμV

D2 41.71 dBμV

1 RM
 V12W

Center 5.72349359 GHz 20 MHz/ Span 200 MHz

Ref 83 dBμV *Att 0 dB

*RBW 100 kHz Delta 1 [T1] 43.63 dB

*VBW 100 kHz

SWT 20 ms -75.320512821 MHz

Offset -14 dB

Marker 1 [T1] 29.35 dBμV

D1 72.98 dBμV 5.853525641 GHz

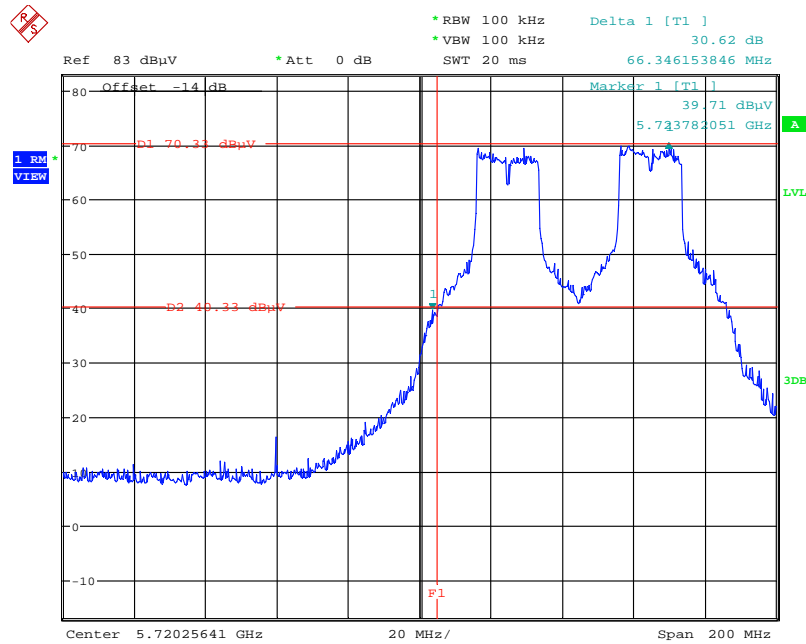
D2 42.98 dBμV

F1

Center 5.8375 GHz 20 MHz/ Span 200 MHz

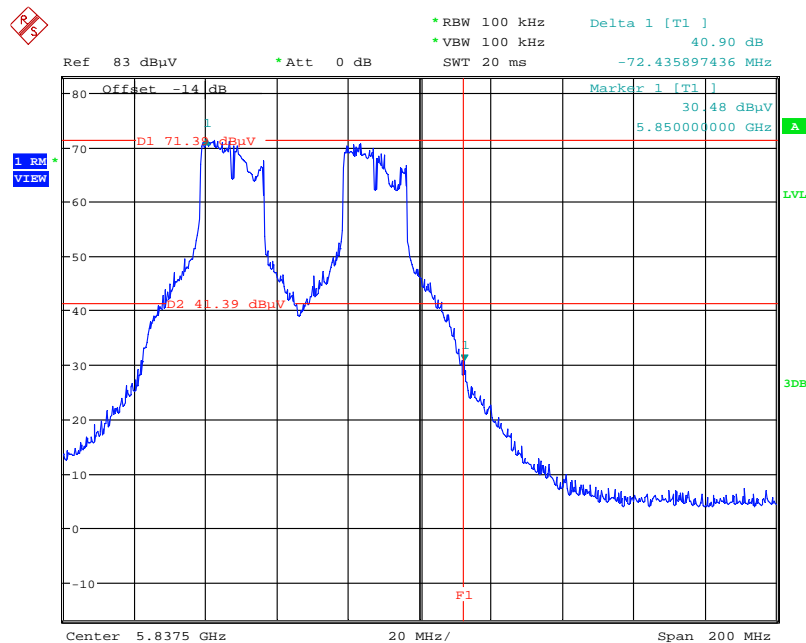
Issued Date : Jun. 21, 2012

Plot on Configuration IEEE 802.11n MCS8 20MHz / Chain 1 + Chain 2/ 5745MHz (2TX)



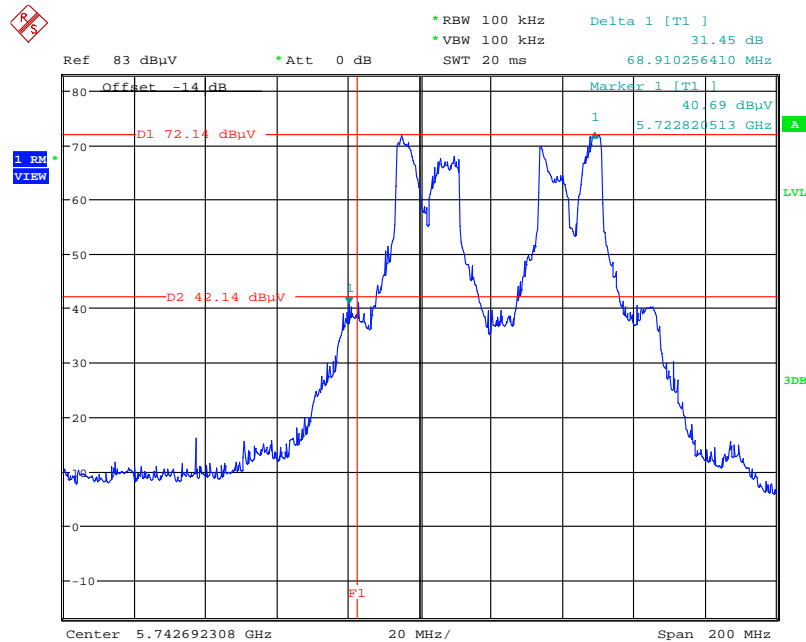
Date: 4.MAY.2012 14:20:10

Plot on Configuration IEEE 802.11n MCS8 20MHz / Chain 1+ Chain 2/ 5785 MHz (2TX)



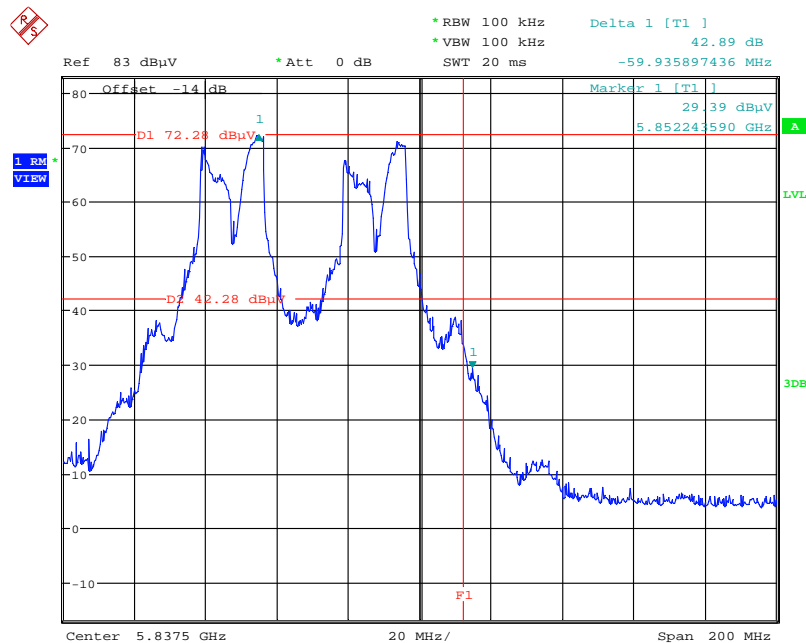
Date: 4.MAY.2012 15:28:29

Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1 + Chain 2 + Chain 3 / 5745 MHz (3TX)



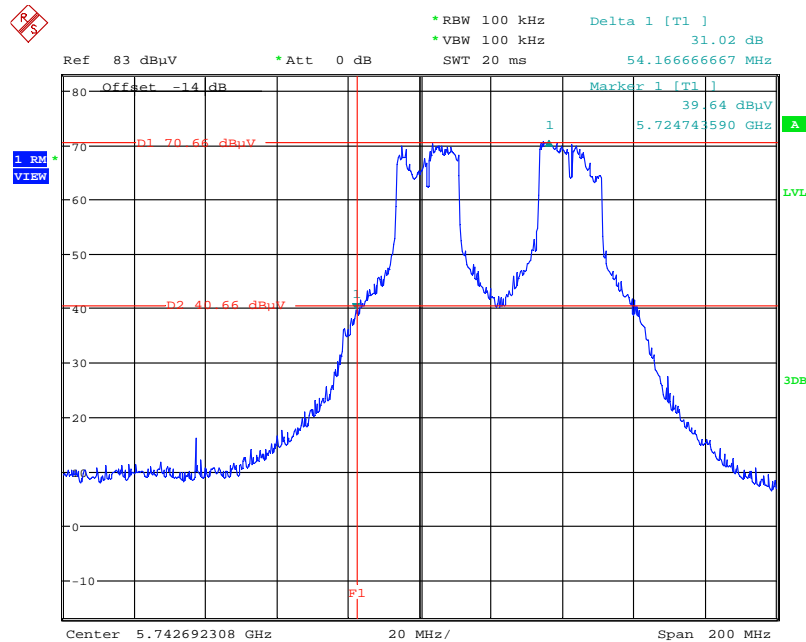
Date: 4.MAY.2012 15:42:29

Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1+ Chain 2 + Chain 3 / 5785 MHz (3TX)



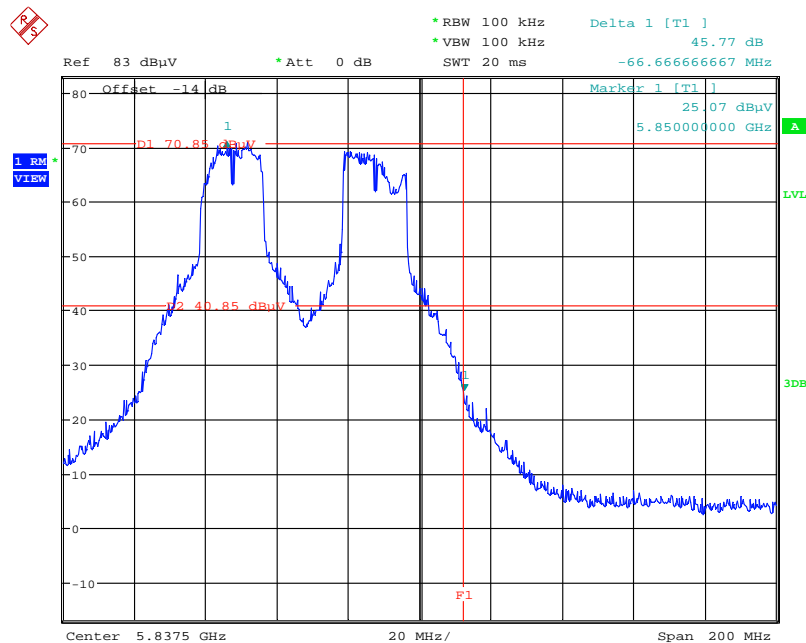
Date: 4.MAY.2012 15:40:10

Plot on Configuration IEEE 802.11n MCS8 20MHz / Chain 1 + Chain 2 + Chain 3 / 5745 MHz (3TX)



Date: 4.MAY.2012 15:45:30

Plot on Configuration IEEE 802.11n MCS8 20MHz / Chain 1 + Chain 2 + Chain 3 / 5785 MHz (3TX)



Date: 4.MAY.2012 15:37:29



Ref 83 dB μ V *Att 0 dB *RBW 100 kHz Delta 1 [T1] 30.92 dB
 SWT 20 ms 59.200000000 MHz

Offset -14 dB Marker 1 [T1] 36.27 dB μ V B

5.724000000 GHz 1 LVL

D1 67.18 dB μ V 37.18 dB μ V 3DB

F1

Center 5.7196 GHz 20 MHz/ Span 200 MHz

Ref 83 dBuV *Att 0 dB

*RBW 100 kHz Delta 1 [T1] 33.75 dB
 *VBW 100 kHz 33.04 dBuV
 SWT 20 ms -66.40000000 MHz

Offset -14 dB

Marker 1 [T1]
 33.04 dBuV
 5.851200000 GHz

D1 66.79 dBuV
 D2 36.79 dBuV

Center 5.8288 GHz 20 MHz / Span 200 MHz

Issued Date : Jun. 21, 2012



Ref 83 dBuV *Att 0 dB Delta 1 [T1] 31.58 dB
 *RBW 100 kHz *VBW 100 kHz 56.089743590 MHz
 SWT 20 ms

Offset -14 dB Marker 1 [T1] 38.49 dBuV
 1 5.72185974 GHz

B1 70.07 dBuV
 B2 49.07 dBuV
 F1

Center 5.730512821 GHz 20 MHz/ Span 200 MHz

Ref 83 dBuV *Att 0 dB

*RBW 100 kHz Delta 1 [T1] 42.62 dB
 *VBW 100 kHz
 SWT 20 ms -111.858974359 MHz

Offset -14 dB

Marker 1 [T1]
 25.63 dBuV
 5.850705128 GHz

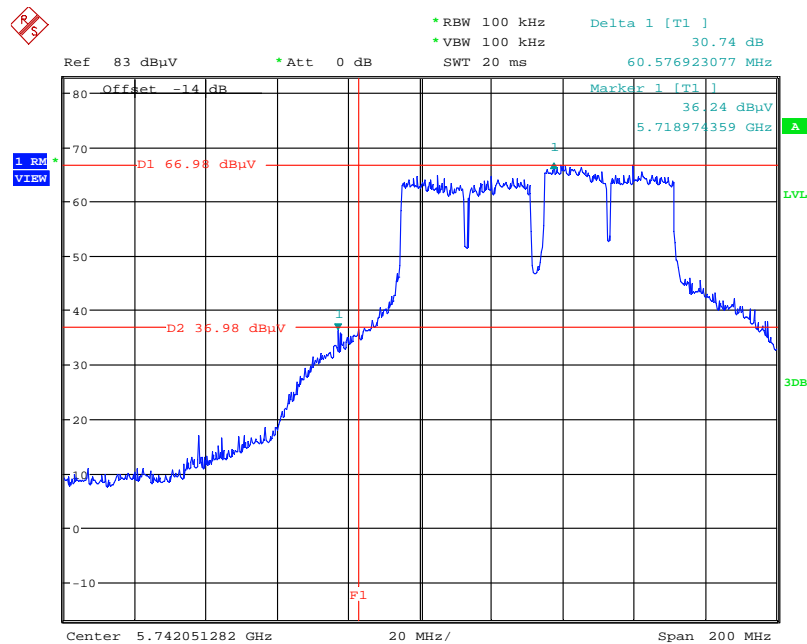
D1 68.26 dBuV
 D2 33.26 dBuV

1 SW
 VIEW

Center 5.803269231 GHz 20 MHz/ Span 200 MHz

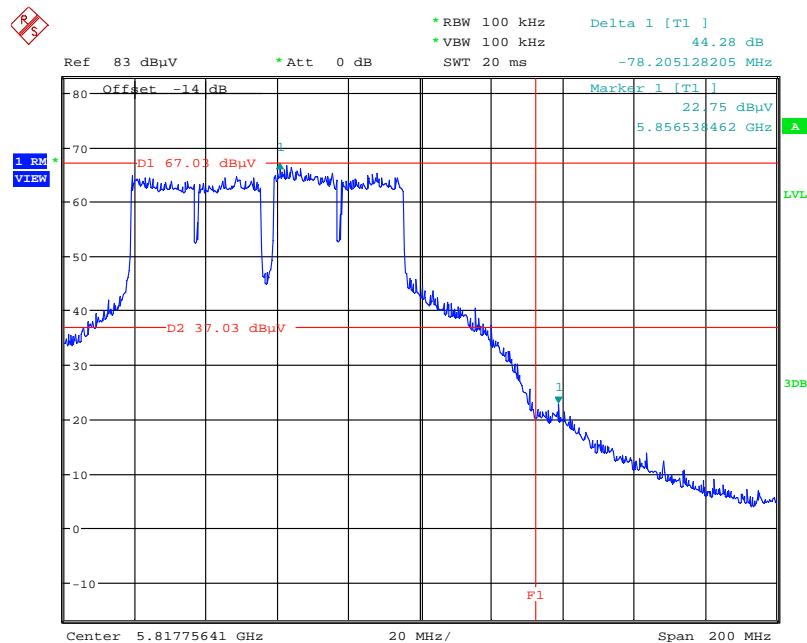
Issued Date : Jun. 21, 2012

Plot on Configuration IEEE 802.11n MCS8 40MHz / Chain 1 + Chain 2 / 5755 MHz (2TX)



Date: 4.MAY.2012 14:49:15

Plot on Configuration IEEE 802.11n MCS8 40MHz / Chain 1 + Chain 2 / 5795 MHz (2TX)



Date: 4.MAY.2012 14:51:30



Ref 83 dBuV *Att 0 dB

*RBW 100 kHz Delta 1 [T1] 32.36 dB
 *VBW 100 kHz
 SWT 20 ms 65.064102564 MHz

Offset -14 dB

Marker 1 [T1] 39.10 dBuV 5.717435897 GHz

D1 71.46 dBuV

D2 41.46 dBuV

1 RM VIEW

Center 5.744038462 GHz 20 MHz/ Span 200 MHz

Ref 83 dBmV *Att 0 dB *RBW 100 kHz Delta 1 [T1] 48.76 dB
 SWT 20 ms -77.884615385 MHz

Offset -14 dB

Marker 1 [T1]
 21.06 dBmV
 5.857243590 GHz

D1 69.82 dBmV
 D2 39.82 dBmV

1 SW
 VIEW

Center 5.807884615 GHz 20 MHz/ Span 200 MHz

Issued Date : Jun. 21, 2012



Ref 83 dBmV *Att 0 dB Delta 1 [T1]

*RBW 100 kHz 31.96 dB

*VBW 100 kHz

SWT 20 ms 61.217948718 MHz

Offset -14 dB

Marker 1 [T1]

37.40 dBmV

5.723205128 GHz

D1 69.36 dBmV

D2 39.36 dBmV

F1

Center 5.744038462 GHz 20 MHz/ Span 200 MHz

Ref 83 dBuV *Att 0 dB

*RBW 100 kHz Delta 1 [T1] 43.45 dB
 *VBW 100 kHz
 SWT 20 ms -72.435897436 MHz

Offset -14 dB

Marker 1 [T1]
 25.74 dBuV
 5.850512821 GHz

1 SW
 VIEW

B1 69.19 dBuV
 B2 39.19 dBuV

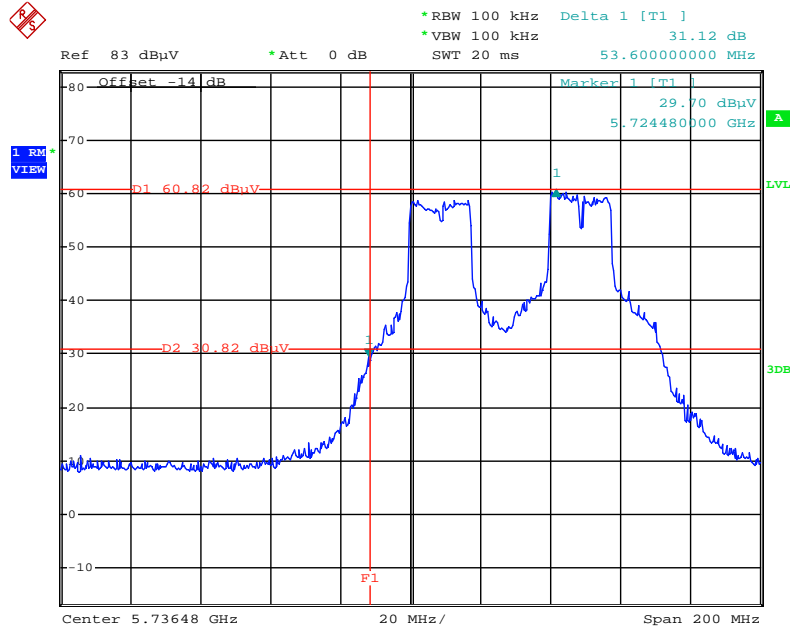
Center 5.807884615 GHz 20 MHz/ Span 200 MHz

Issued Date : Jun. 21, 2012

Test Mode : Mode 10 (Ant. 10 Facade antenna / 2.5dBi)

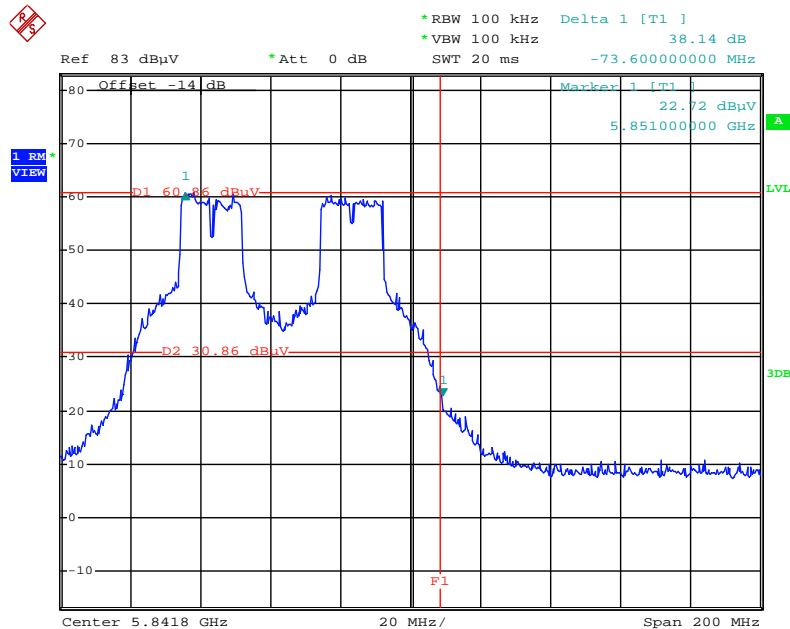
For Emission not in Restricted Band

Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1 / 5745 MHz (1TX)



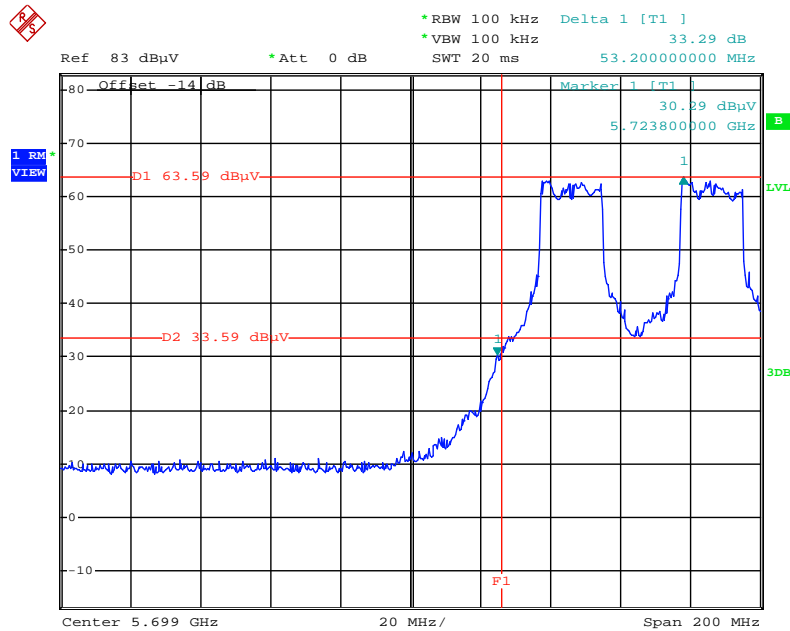
Date: 7.MAY.2012 15:19:29

Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1/ 5825 MHz (1TX)



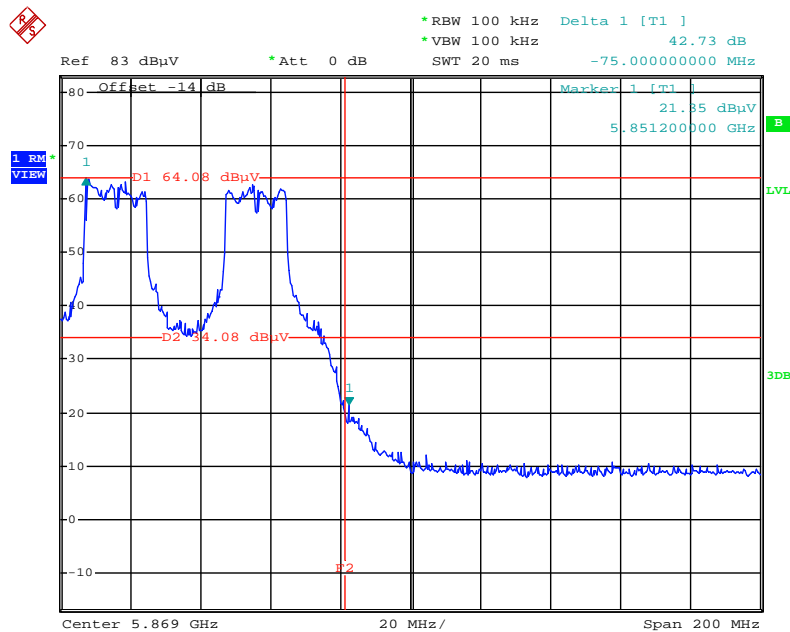
Date: 7.MAY.2012 15:22:10

Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1 + Chain 2/ 5745 MHz (2TX)



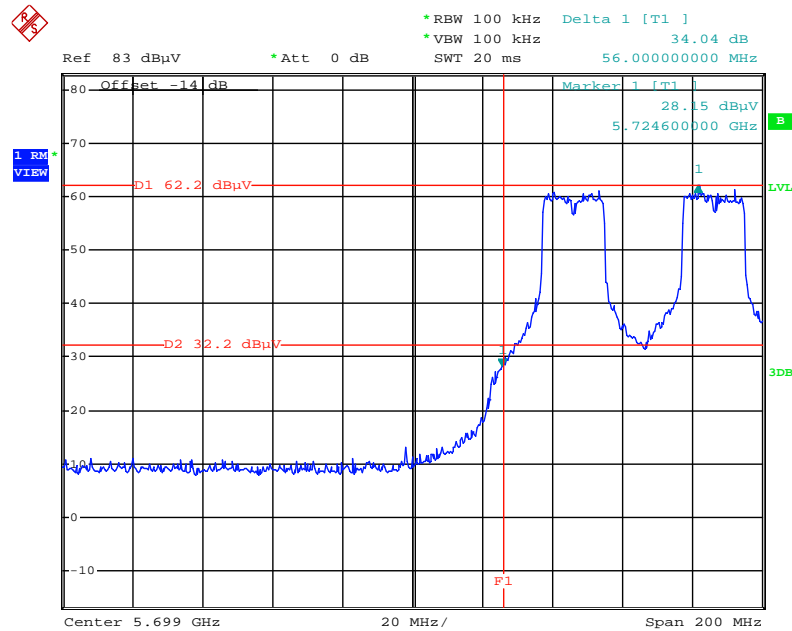
Date: 7.MAY.2012 21:29:36

Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1+ Chain 2/ 5785 MHz (2TX)



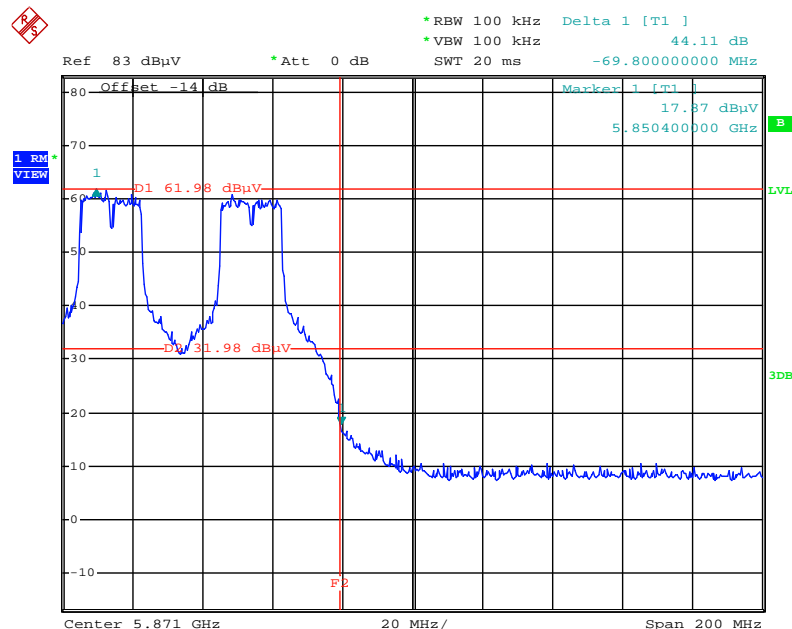
Date: 7.MAY.2012 21:24:46

Plot on Configuration IEEE 802.11n MCS8 20MHz / Chain 1 + Chain 2/ 5745MHz (2TX)



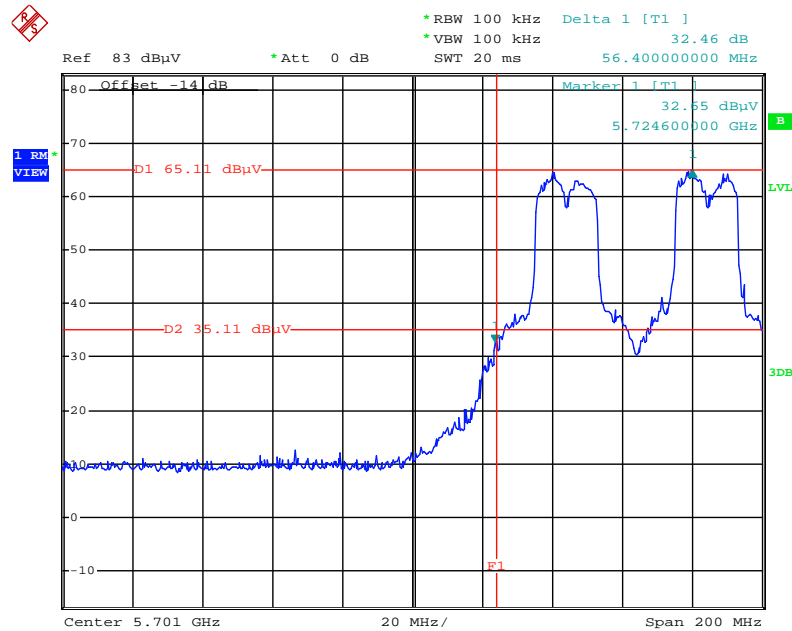
Date: 7.MAY.2012 21:35:59

Plot on Configuration IEEE 802.11n MCS8 20MHz / Chain 1+ Chain 2/ 5785 MHz (2TX)



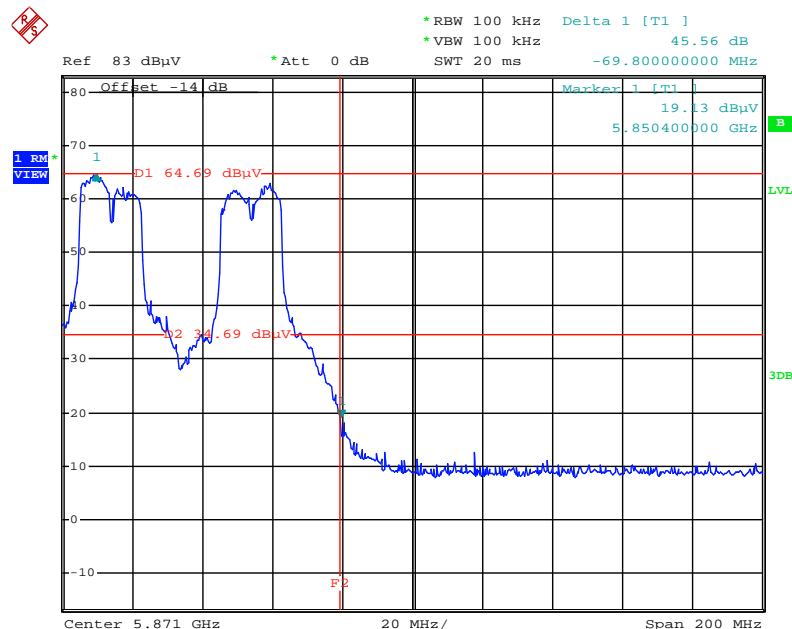
Date: 7.MAY.2012 21:37:45

Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1 + Chain 2 + Chain 3 / 5745 MHz (3TX)



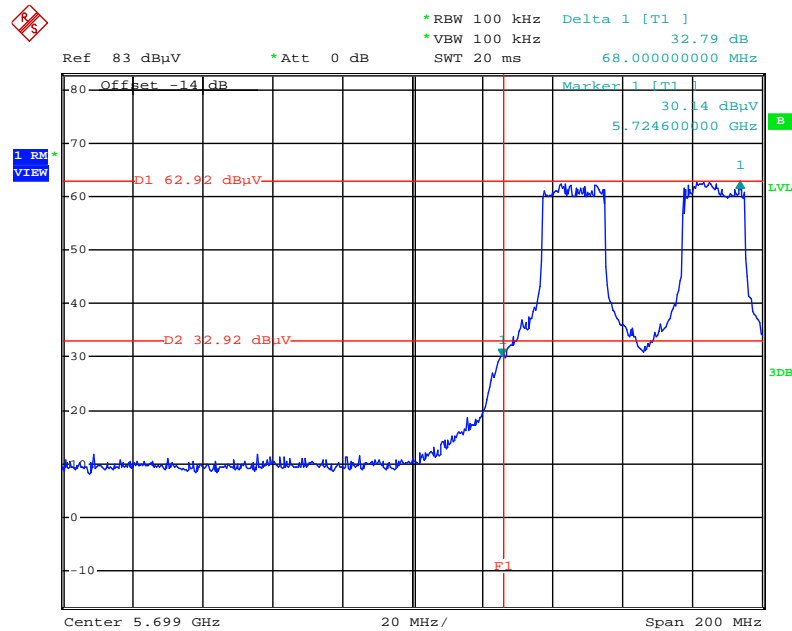
Date: 8.MAY.2012 00:21:00

Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1+ Chain 2 + Chain 3 / 5785 MHz (3TX)



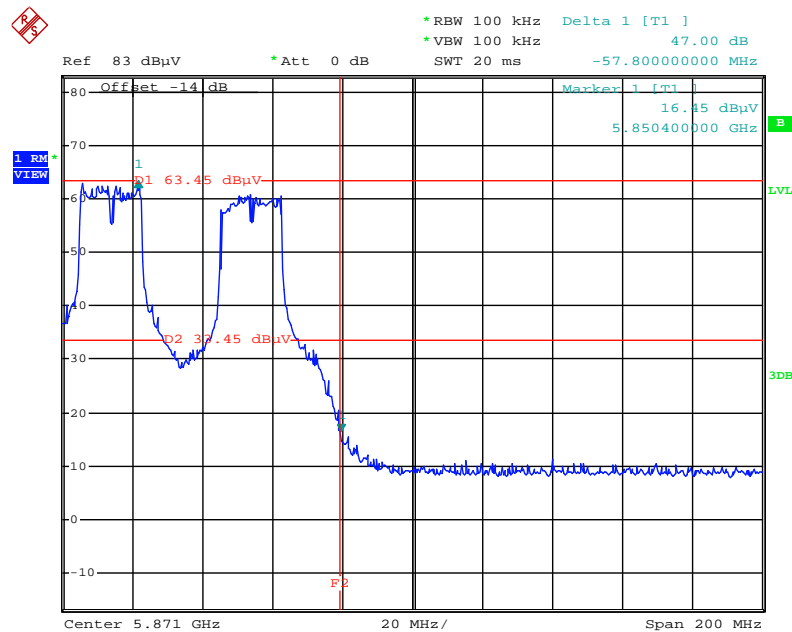
Date: 8.MAY.2012 00:25:31

Plot on Configuration IEEE 802.11n MCS8 20MHz / Chain 1 + Chain 2 + Chain 3 / 5745 MHz (3TX)



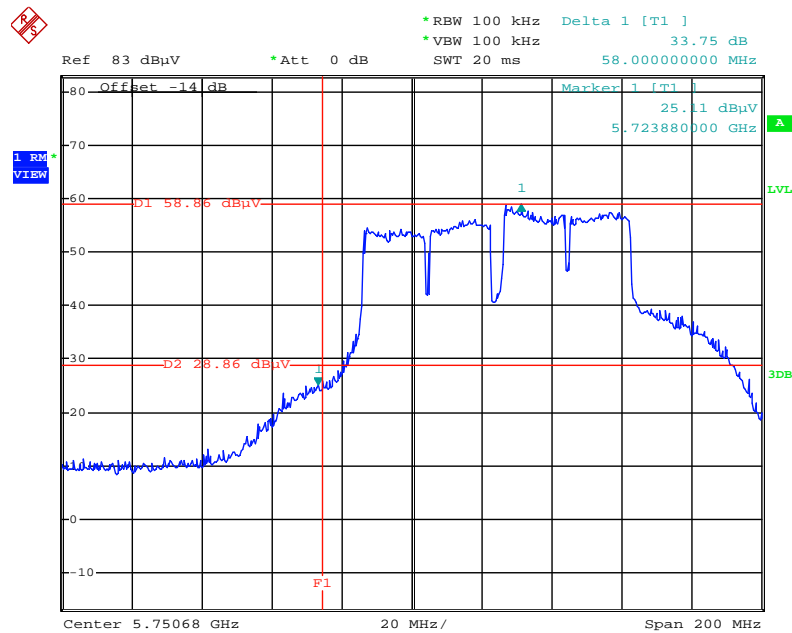
Date: 8.MAY.2012 00:31:59

Plot on Configuration IEEE 802.11n MCS8 20MHz / Chain 1+ Chain 2 + Chain 3 / 5785 MHz (3TX)



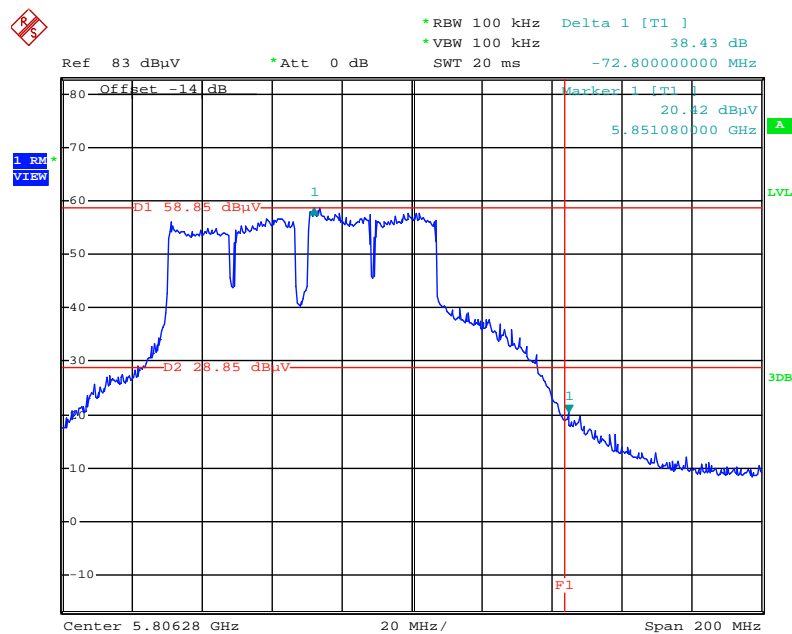
Date: 8.MAY.2012 00:28:47

Plot on Configuration IEEE 802.11n MCS0 40MHz / Chain 1 / 5755 MHz (1TX)



Date: 7.MAY.2012 15:37:44

Plot on Configuration IEEE 802.11n MCS0 40MHz / Chain 1 / 5795 MHz (1TX)



Date: 7.MAY.2012 15:45:40



Ref 83 dBμV *Att 0 dB RBW 100 kHz VBW 100 kHz SWT 20 ms Delta 1 [T1] 31.55 dB 53.20000000 MHz

Offset -14 dB

Marker 1 [T1] 29.84 dBμV 5.724200000 GHz

D1 61.39 dBμV

D2 31.39 dBμV

1 RM VIEW

Center 5.721 GHz 20 MHz/ Span 200 MHz

Ref 83 dBuV *Att 0 dB

*RBW 100 kHz Delta 1 [T1] 43.04 dB
 *VBW 100 kHz
 SWT 20 ms -73.80000000 MHz

Offset -14 dB

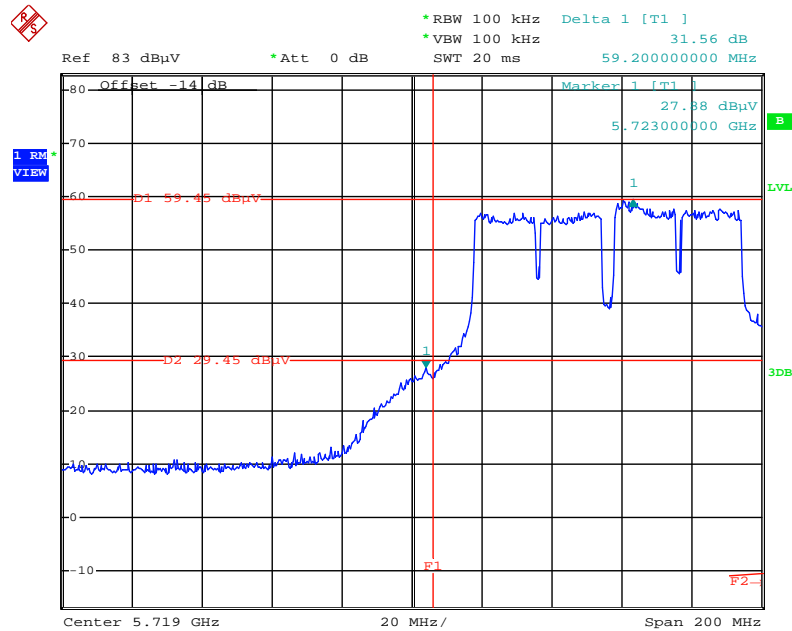
Marker 1 [T1]
 17.84 dBuV
 5.850800000 GHz

D1 60.88 dBuV
 D2 30.88 dBuV

Center 5.831 GHz 20 MHz / Span 200 MHz

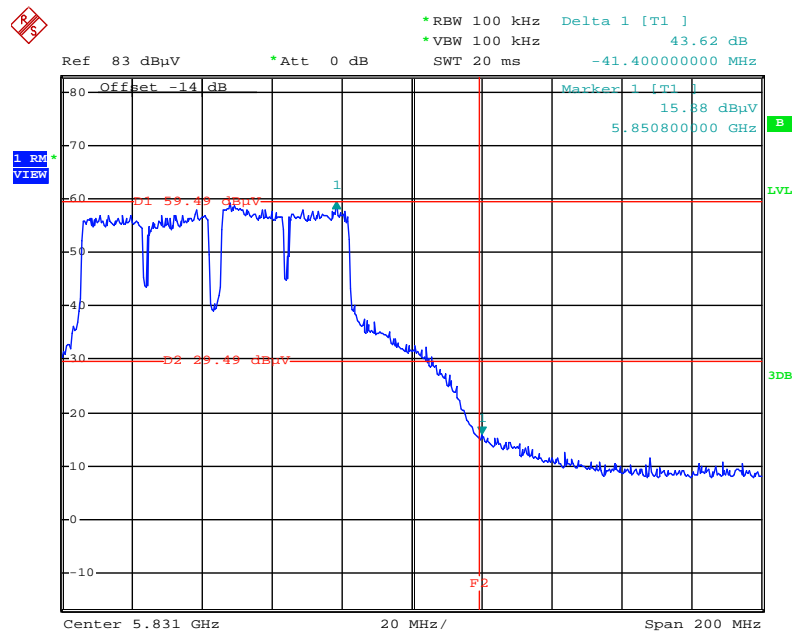
Issued Date : Jun. 21, 2012

Plot on Configuration IEEE 802.11n MCS8 40MHz / Chain 1 + Chain 2/ 5755 MHz (2TX)



Date: 7.MAY.2012 21:54:28

Plot on Configuration IEEE 802.11n MCS8 40MHz / Chain 1 + Chain 2/ 5795 MHz (2TX)



Date: 7.MAY.2012 21:56:35



Ref 83 dBuV *Att 0 dB

*RBW 100 kHz Delta 1 [T1] 32.73 dB
 *VBW 100 kHz
 SWT 20 ms 56.00000000 MHz

Offset -14 dB

Marker 1 [T1] 29.68 dBuV
 5.72420000 GHz

D1 62.41 dBuV

D2 32.41 dBuV

Center 5.719 GHz 20 MHz/ Span 200 MHz

Ref 83 dBuV *Att 0 dB

*RBW 100 kHz Delta 1 [T1] 47.28 dB
 *VBW 100 kHz -71.000000000 MHz
 SWT 20 ms

Offset -14 dB

Marker 1 [T1]
 15.71 dBuV
 5.850400000 GHz

D1 62.99 dBuV

D2 32.99 dBuV

F2

Center 5.829 GHz 20 MHz / Span 200 MHz

Issued Date : Jun. 21, 2012



Ref 83 dBμV *Att 0 dB

*RBW 100 kHz Delta 1 [T1] 31.54 dB
 *VBW 100 kHz 5.722600000 GHz
 SWT 20 ms 61.200000000 MHz

Offset -14 dB

Marker 1 [T1] 30.06 dBμV
 5.722600000 GHz

D1 61.59 dBμV

D2 31.59 dBμV

1 RM VIEW

Center 5.719 GHz 20 MHz/ Span 200 MHz

Ref 83 dBuV *Att 0 dB

*RBW 100 kHz Delta 1 [T1] 46.85 dB
 *VBW 100 kHz
 SWT 20 ms -69.00000000 MHz

Offset -14 dB

Marker 1 [T1]
 13.80 dBmV
 5.852800000 GHz

1 RM VIEW

1 60.64 dBmV

2 30.64 dBmV

F2

Center 5.831 GHz 20 MHz / Span 200 MHz

Issued Date : Jun. 21, 2012

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	100377	9kHz ~ 2.75GHz	Sep. 14, 2011	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Nov. 14, 2011	Conduction (CO01-CB)
V- LISN	Schwarzbeck	NSLK 8127	8127-478	9K ~ 30MHz	Nov. 30, 2011	Conduction (CO01-CB)
COND Cable	Woken	Cable	01	0.15MHz~30MHz	Dec. 4, 2011	Conduction (CO01-CB)
BILOG ANTENNA	Schaffner	CBL6112D	22021	20MHz ~ 2GHz	Jan. 11, 2012	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz~18GHz	Nov. 25, 2011	Radiation (03CH01-CB)
Horn Antenna	SCHWARZBEAK	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Nov. 22, 2011	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8447D	2944A10991	0.1MHz ~ 1.3GHz	Nov. 17, 2011	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Nov. 29, 2011	Radiation (03CH01-CB)
Pre-Amplifier	WM	TF-130N-R1	923365	26.5GHz ~ 40GHz	Jul. 29, 2011	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSP40	100056	9KHz~40GHz	Nov. 03, 2011	Radiation (03CH01-CB)
EMI Test Receiver	R&S	ESCS 30	100355	9KHz ~ 2.75GHz	Mar. 20, 2012	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9 kHz - 30 MHz	Sep. 09, 2010*	Radiation (03CH01-CB)
Turn Table	INN CO	CO 2000	N/A	0 ~ 360 degree	N/A	Radiation (03CH01-CB)
Antenna Mast	INN CO	CO2000	N/A	1 m - 4 m	N/A	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-1	N/A	30 MHz - 1 GHz	Nov. 17, 2011	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-1	N/A	1 GHz ~ 26.5 GHz	Nov. 17, 2011	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-2	N/A	1 GHz ~ 26.5 GHz	Nov. 17, 2011	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-3	N/A	1 GHz - 40 GHz	Nov. 17, 2011	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-4	N/A	1 GHz - 40 GHz	Nov. 17, 2011	Radiation (03CH01-CB)
Signal analyzer	R&S	FSV40	100979	9KHz~40GHz	Sep. 26, 2011	Conducted (TH01-CB)
Temp. and Humidity Chamber	Ten Billion	TTH-D3SP	TBN-931011	-30~100 degree	May 20, 2011	Conducted (TH01-CB)
Temp. and Humidity Chamber	Ten Billion	TTH-D3SP	TBN-931011	-30~100 degree	May 20, 2012	Conducted (TH01-CB)
Thermo-Hygro Meter	N/A	HC 520	#1	15~70 degree	Nov. 02, 2011	Conducted (TH01-CB)
Signal Generator	R&S	SMR40	100302	10MHz-40GHz	Nov. 22, 2011	Conducted (TH01-CB)
RF Power Divider	HP	11636A	00306	2GHz ~ 18GHz	N/A	Conducted (TH01-CB)
RF Power Splitter	Anaren	44100	1839	2GHz ~ 18GHz	N/A	Conducted (TH01-CB)
RF Power Splitter	Anaren	42100	17930	2GHz ~ 18GHz	N/A	Conducted (TH01-CB)
RF Cable-high	Woken	High Cable-7	-	1 GHz ~ 26.5 GHz	Nov. 17, 2011	Conducted (TH01-CB)
RF Cable-high	Woken	High Cable-8	-	1 GHz ~ 26.5 GHz	Nov. 17, 2011	Conducted (TH01-CB)
RF Cable-high	Woken	High Cable-9	-	1 GHz ~ 26.5 GHz	Nov. 17, 2011	Conducted (TH01-CB)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
RF Cable-high	Woken	High Cable-10	-	1 GHz – 26.5 GHz	Nov. 17, 2011	Conducted (TH01-CB)
RF Cable-high	Woken	High Cable-11	-	1 GHz – 26.5 GHz	Nov. 17, 2011	Conducted (TH01-CB)
RF Cable-high	Woken	High Cable-12	-	1 GHz – 26.5 GHz	Nov. 17, 2011	Conducted (TH01-CB)
RF Cable-high	Woken	High Cable-13	-	1 GHz – 26.5 GHz	Nov. 17, 2011	Conducted (TH01-CB)
Power Sensor	Anritsu	MA2411B	0917223	300MHz~40GHz	Nov. 01, 2011	Conducted (TH01-CB)
Power Meter	Anritsu	ML2495A	1035008	300MHz~40GHz	Nov. 01, 2011	Conducted (TH01-CB)

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

Note: “*” Calibration Interval of instruments listed above is two years.

6. TEST LOCATION

SHIJR	ADD : 6Fl., No. 106, Sec. 1, Shintai 5th Rd., Shijr City, Taipei, Taiwan 221, R.O.C. TEL : 886-2-2696-2468 FAX : 886-2-2696-2255
HWA YA	ADD : No. 52, Hwa Ya 1st Rd., Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C. TEL : 886-3-327-3456 FAX : 886-3-318-0055
LINKOU	ADD : No. 30-2, Dingfu Tsuen, Linkou Shiang, Taipei, Taiwan 244, R.O.C TEL : 886-2-2601-1640 FAX : 886-2-2601-1695
DUNGHU	ADD : No. 3, Lane 238, Kangle St., Neihu Chiu, Taipei, Taiwan 114, R.O.C. TEL : 886-2-2631-4739 FAX : 886-2-2631-9740
JUNGHE	ADD : 7Fl., No. 758, Jungjeng Rd., Junghe City, Taipei, Taiwan 235, R.O.C. TEL : 886-2-8227-2020 FAX : 886-2-8227-2626
NEIHU	ADD : 4Fl., No. 339, Hsin Hu 2 nd Rd., Taipei 114, Taiwan, R.O.C. TEL : 886-2-2794-8886 FAX : 886-2-2794-9777
JHUBEI	ADD : No.8, Lane 724, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C. TEL : 886-3-656-9065 FAX : 886-3-656-9085

7. TAF CERTIFICATE OF ACCREDITATION



Certificate No. : L1190-110702

財團法人全國認證基金會
Taiwan Accreditation Foundation

Certificate of Accreditation

This is to certify that

Sporton International Inc.
EMC & Wireless Communications Laboratory
No.52, Hwa Ya 1st Road, Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien,
Taiwan, R.O.C.

is accredited in respect of laboratory

Accreditation Criteria	: ISO/IEC 17025:2005
Accreditation Number	: 1190
Originally Accredited	: December 15, 2003
Effective Period	: January 10, 2010 to January 09, 2013
Accredited Scope	: Testing Field, see described in the Appendix
Specific Accreditation Program	: Accreditation Program for Designated Testing Laboratory for Commodities Inspection Accreditation Program for Telecommunication Equipment Testing Laboratory Accreditation Program for BSMI Mutual Recognition Arrangement with Foreign Authorities



Jay-San Chen
President, Taiwan Accreditation Foundation
Date : July 02, 2011

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The Appendix forms an integral part of this Certificate, which shall be invalid when use without the Appendix