

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11n MCS0 10MHz Ch 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 19, 2012	Test Mode	Mode 2

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11645.84	50.88	74.00	-23.12	42.16	5.16	38.86	35.30	Peak	117	108	HORIZONTAL
2	11650.26	37.77	54.00	-16.23	29.05	5.16	38.86	35.30	Average	117	108	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11650.64	43.97	54.00	-10.03	35.25	5.16	38.86	35.30	Average	125	226	VERTICAL
2	11650.94	57.92	74.00	-16.08	49.20	5.16	38.86	35.30	Peak	125	226	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11n MCS0 20MHz Ch 149 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 19, 2012	Test Mode	Mode 2

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11499.40	48.21	74.00	-25.79	39.58	5.12	38.79	35.28	Peak	100	65	HORIZONTAL
2	11508.00	36.99	54.00	-17.01	28.36	5.12	38.79	35.28	Average	100	65	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11506.00	42.43	54.00	-11.57	33.80	5.12	38.79	35.28	Average	142	222	VERTICAL
2	11516.20	55.23	74.00	-18.77	46.61	5.12	38.79	35.29	Peak	142	222	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11n MCS0 20MHz Ch 157 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 19, 2012	Test Mode	Mode 2

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11587.20	37.19	54.00	-16.81	28.52	5.14	38.83	35.30	Average	100	228	HORIZONTAL
2	11613.00	49.02	74.00	-24.98	40.33	5.15	38.84	35.30	Peak	100	228	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11585.00	54.01	74.00	-19.99	45.34	5.14	38.83	35.30	Peak	160	77	VERTICAL
2	11587.40	42.09	54.00	-11.91	33.42	5.14	38.83	35.30	Average	160	77	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11n MCS0 20MHz Ch 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 19, 2012	Test Mode	Mode 2

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11696.60	37.62	54.00	-16.38	28.87	5.17	38.88	35.30	Average	100	270	HORIZONTAL
2	11696.80	49.45	74.00	-24.55	40.70	5.17	38.88	35.30	Peak	100	270	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11667.20	42.83	54.00	-11.17	34.11	5.16	38.86	35.30	Average	168	77	VERTICAL
2	11668.80	55.70	74.00	-18.30	46.98	5.16	38.86	35.30	Peak	168	77	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11n MCS0 40MHz Ch 151 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 19, 2012	Test Mode	Mode 2

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11508.40	47.72	74.00	-26.28	39.09	5.12	38.79	35.28	Peak	100	0	HORIZONTAL
2	11508.80	36.02	54.00	-17.98	27.39	5.12	38.79	35.28	Average	100	0	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11496.00	41.25	54.00	-12.75	32.63	5.12	38.78	35.28	Average	200	223	VERTICAL
2	11514.40	54.31	74.00	-19.69	45.68	5.12	38.79	35.28	Peak	200	223	VERTICAL



Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11n MCS0 40MHz Ch 159 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 19, 2012	Test Mode	Mode 2

*Horizontal*

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11608.80	36.32	54.00	-17.68	27.63	5.15	38.84	35.30	Average	100	194	HORIZONTAL
2	11632.00	48.64	74.00	-25.36	39.93	5.16	38.85	35.30	Peak	100	195	HORIZONTAL

*Vertical*

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11586.20	51.43	74.00	-22.57	42.76	5.14	38.83	35.30	Peak	166	75	VERTICAL
2	11588.00	40.08	54.00	-13.92	31.41	5.14	38.83	35.30	Average	166	75	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11a 5MHz Ch 148 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 19, 2012	Test Mode	Mode 2

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11479.82	43.48	54.00	-10.52	34.88	5.11	38.77	35.28	Average	166	105	HORIZONTAL
2	11479.94	54.83	74.00	-19.17	46.23	5.11	38.77	35.28	Peak	166	105	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11480.64	50.93	54.00	-3.07	42.33	5.11	38.77	35.28	Average	183	220	VERTICAL
2	11480.70	62.61	74.00	-11.39	54.01	5.11	38.77	35.28	Peak	183	220	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11a 5MHz Ch 157 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 19, 2012	Test Mode	Mode 2

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11569.58	54.97	74.00	-19.03	46.31	5.13	38.83	35.30	Peak	179	133	HORIZONTAL
2	11569.86	42.90	54.00	-11.10	34.23	5.14	38.83	35.30	Average	179	133	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11569.20	45.72	54.00	-8.28	37.06	5.13	38.83	35.30	Average	100	260	VERTICAL
2	11569.32	58.57	74.00	-15.43	49.91	5.13	38.83	35.30	Peak	100	260	VERTICAL



Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11a 5MHz Ch 166 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 19, 2012	Test Mode	Mode 2

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11659.82	43.48	54.00	-10.52	34.76	5.16	38.86	35.30	Average	152	164	HORIZONTAL
2	11659.92	56.11	74.00	-17.89	47.39	5.16	38.86	35.30	Peak	152	164	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11659.02	46.07	54.00	-7.93	37.35	5.16	38.86	35.30	Average	100	258	VERTICAL
2	11661.66	59.36	74.00	-14.64	50.64	5.16	38.86	35.30	Peak	100	258	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11a 10MHz Ch 149 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 19, 2012	Test Mode	Mode 2

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11491.48	51.58	74.00	-22.42	42.97	5.11	38.78	35.28	Peak	141	212	HORIZONTAL
2	11491.60	38.63	54.00	-15.37	30.02	5.11	38.78	35.28	Average	141	212	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11488.86	43.34	54.00	-10.66	34.73	5.11	38.78	35.28	Average	101	265	VERTICAL
2	11489.12	56.37	74.00	-17.63	47.76	5.11	38.78	35.28	Peak	101	265	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11a 10MHz Ch 157 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 19, 2012	Test Mode	Mode 2

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11569.84	53.06	74.00	-20.94	44.39	5.14	38.83	35.30	Peak	129	115	HORIZONTAL
2	11570.14	38.68	54.00	-15.32	30.01	5.14	38.83	35.30	Average	129	115	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11568.70	42.76	54.00	-11.24	34.10	5.13	38.83	35.30	Average	100	265	VERTICAL
2	11569.08	55.70	74.00	-18.30	47.04	5.13	38.83	35.30	Peak	100	265	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11a 10MHz Ch 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 19, 2012	Test Mode	Mode 2

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11648.32	53.17	74.00	-20.83	44.45	5.16	38.86	35.30	Peak	150	137	HORIZONTAL
2	11649.18	39.26	54.00	-14.74	30.54	5.16	38.86	35.30	Average	150	137	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11648.34	42.14	54.00	-11.86	33.42	5.16	38.86	35.30	Average	124	263	VERTICAL
2	11649.12	55.70	74.00	-18.30	46.98	5.16	38.86	35.30	Peak	124	263	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11a 20MHz Ch 149 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 19, 2012	Test Mode	Mode 2

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11395.60	48.23	74.00	-25.77	39.70	5.10	38.68	35.25	Peak	100	183	HORIZONTAL
2	11509.60	37.76	54.00	-16.24	29.13	5.12	38.79	35.28	Average	100	183	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11502.00	55.52	74.00	-18.48	46.89	5.12	38.79	35.28	Peak	194	221	VERTICAL
2	11503.20	42.85	54.00	-11.15	34.22	5.12	38.79	35.28	Average	194	221	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11a 20MHz Ch 157 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 19, 2012	Test Mode	Mode 2

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11580.40	49.97	74.00	-24.03	41.30	5.14	38.83	35.30	Peak	197	167	HORIZONTAL
2	11590.00	38.34	54.00	-15.66	29.67	5.14	38.83	35.30	Average	197	167	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11581.80	55.84	74.00	-18.16	47.17	5.14	38.83	35.30	Peak	188	224	VERTICAL
2	11588.00	42.91	54.00	-11.09	34.24	5.14	38.83	35.30	Average	188	224	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11a 20MHz Ch 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 19, 2012	Test Mode	Mode 2

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11694.20	49.90	74.00	-24.10	41.15	5.17	38.88	35.30	Peak	100	253	HORIZONTAL
2	11699.80	37.88	54.00	-16.12	29.12	5.18	38.88	35.30	Average	100	253	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11667.60	54.99	74.00	-19.01	46.27	5.16	38.86	35.30	Peak	152	76	VERTICAL
2	11668.20	43.02	54.00	-10.98	34.30	5.16	38.86	35.30	Average	152	76	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	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11n MCS0 5MHz Ch 148 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 12, 2012	Test Mode	Mode 3

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11480.32	49.09	74.00	-24.91	40.49	5.11	38.77	35.28	Peak	151	254	HORIZONTAL
2	11480.82	36.70	54.00	-17.30	28.10	5.11	38.77	35.28	Average	151	254	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11479.64	40.02	54.00	-13.98	31.42	5.11	38.77	35.28	Average	101	0	VERTICAL
2	11480.86	52.99	74.00	-21.01	44.39	5.11	38.77	35.28	Peak	101	0	VERTICAL



Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11n MCS0 5MHz Ch 157 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 12, 2012	Test Mode	Mode 3

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11569.80	53.00	74.00	-21.00	44.33	5.14	38.83	35.30	Peak	178	210	HORIZONTAL
2	11569.92	39.93	54.00	-14.07	31.26	5.14	38.83	35.30	Average	178	210	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11570.02	43.84	54.00	-10.16	35.17	5.14	38.83	35.30	Average	145	215	VERTICAL
2	11570.06	56.01	74.00	-17.99	47.34	5.14	38.83	35.30	Peak	145	215	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11n MCS0 5MHz Ch 166 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 12, 2012	Test Mode	Mode 3

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11658.28	51.84	74.00	-22.16	43.12	5.16	38.86	35.30	Peak	171	157	HORIZONTAL
2	11658.70	39.15	54.00	-14.85	30.43	5.16	38.86	35.30	Average	171	157	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11657.44	58.51	74.00	-15.49	49.79	5.16	38.86	35.30	Peak	143	251	VERTICAL
2	11660.74	44.60	54.00	-9.40	35.88	5.16	38.86	35.30	Average	143	251	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11n MCS0 10MHz Ch 149 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 12, 2012	Test Mode	Mode 3

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11489.60	35.56	54.00	-18.44	26.95	5.11	38.78	35.28	Average	100	104	HORIZONTAL
2	11490.36	47.75	74.00	-26.25	39.14	5.11	38.78	35.28	Peak	100	104	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11489.52	55.37	74.00	-18.63	46.76	5.11	38.78	35.28	Peak	145	218	VERTICAL
2	11489.76	42.57	54.00	-11.43	33.96	5.11	38.78	35.28	Average	145	218	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11n MCS0 10MHz Ch 157 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 12, 2012	Test Mode	Mode 3

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11569.12	54.43	74.00	-19.57	45.77	5.13	38.83	35.30	Peak	126	52	HORIZONTAL
2	11570.08	41.05	54.00	-12.95	32.38	5.14	38.83	35.30	Average	126	52	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11568.72	43.35	54.00	-10.65	34.69	5.13	38.83	35.30	Average	156	344	VERTICAL
2	11568.92	52.14	74.00	-21.86	43.48	5.13	38.83	35.30	Peak	156	344	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11n MCS0 10MHz Ch 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 12, 2012	Test Mode	Mode 3

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11648.76	56.80	74.00	-17.20	48.08	5.16	38.86	35.30	Peak	160	345	HORIZONTAL
2	11650.68	44.47	54.00	-9.53	35.75	5.16	38.86	35.30	Average	160	345	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11646.60	55.74	74.00	-18.26	47.02	5.16	38.86	35.30	Peak	100	337	VERTICAL
2	11647.12	39.78	54.00	-14.22	31.06	5.16	38.86	35.30	Average	100	337	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11n MCS0 20MHz Ch 149 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 12, 2012	Test Mode	Mode 3

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11487.34	40.43	54.00	-13.57	31.82	5.11	38.78	35.28	Average	153	128	HORIZONTAL
2	11488.43	54.32	74.00	-19.68	45.71	5.11	38.78	35.28	Peak	153	128	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11494.71	43.41	54.00	-10.59	34.79	5.12	38.78	35.28	Average	181	175	VERTICAL
2	11495.80	57.12	74.00	-16.88	48.50	5.12	38.78	35.28	Peak	181	175	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11n MCS0 20MHz Ch 157 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 12, 2012	Test Mode	Mode 3

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11567.79	54.80	74.00	-19.20	46.14	5.13	38.83	35.30	Peak	162	131	HORIZONTAL
2	11568.78	40.83	54.00	-13.17	32.17	5.13	38.83	35.30	Average	162	131	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11572.88	41.98	54.00	-12.02	33.31	5.14	38.83	35.30	Average	134	339	VERTICAL
2	11573.01	57.92	74.00	-16.08	49.25	5.14	38.83	35.30	Peak	134	339	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11n MCS0 20MHz Ch 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 12, 2012	Test Mode	Mode 3

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11649.52	41.99	54.00	-12.01	33.27	5.16	38.86	35.30	Average	142	124	HORIZONTAL
2	11650.16	56.69	74.00	-17.31	47.97	5.16	38.86	35.30	Peak	142	124	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11653.14	46.83	54.00	-7.17	38.11	5.16	38.86	35.30	Average	117	339	VERTICAL
2	11654.13	61.19	74.00	-12.81	52.47	5.16	38.86	35.30	Peak	117	339	VERTICAL



Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11n MCS0 40MHz Ch 151 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 12, 2012	Test Mode	Mode 3

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11508.14	38.60	54.00	-15.40	29.97	5.12	38.79	35.28	Average	159	125	HORIZONTAL
2	11508.69	52.55	74.00	-21.45	43.92	5.12	38.79	35.28	Peak	159	125	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11502.23	42.72	54.00	-11.28	34.09	5.12	38.79	35.28	Average	186	343	VERTICAL
2	11506.39	55.04	74.00	-18.96	46.41	5.12	38.79	35.28	Peak	186	343	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11n MCS0 40MHz Ch 159 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 12, 2012	Test Mode	Mode 3

### Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11588.88	40.66	54.00	-13.34	31.99	5.14	38.83	35.30	Average	151	128	HORIZONTAL
2	11608.67	54.34	74.00	-19.66	45.65	5.15	38.84	35.30	Peak	151	128	HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11582.07	43.40	54.00	-10.60	34.73	5.14	38.83	35.30	Average	163	346	VERTICAL
2	11601.54	56.31	74.00	-17.69	47.62	5.15	38.84	35.30	Peak	163	346	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11a 5MHz Ch 148 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 12, 2012	Test Mode	Mode 3

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11480.00	51.55	74.00	-22.45	42.95	5.11	38.77	35.28	Peak	142	32	HORIZONTAL
2	11480.16	38.61	54.00	-15.39	30.01	5.11	38.77	35.28	Average	142	32	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11479.76	40.83	54.00	-13.17	32.23	5.11	38.77	35.28	Average	100	279	VERTICAL
2	11482.50	54.05	74.00	-19.95	45.44	5.11	38.78	35.28	Peak	100	279	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11a 5MHz Ch 157 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 12, 2012	Test Mode	Mode 3

### Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11568.36	52.23	74.00	-21.77	43.57	5.13	38.83	35.30 Peak	132	58	HORIZONTAL
2	11569.14	39.02	54.00	-14.98	30.36	5.13	38.83	35.30 Average	132	58	HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11569.70	57.19	74.00	-16.81	48.53	5.13	38.83	35.30 Peak	155	90	VERTICAL
2	11569.98	44.02	54.00	-9.98	35.35	5.14	38.83	35.30 Average	155	90	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11a 5MHz Ch 166 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 12, 2012	Test Mode	Mode 3

### Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor		cm	deg	
1	11659.76	41.26	54.00	-12.74	32.54	5.16	38.86	35.30	Average	140	224	HORIZONTAL
2	11661.70	54.08	74.00	-19.92	45.36	5.16	38.86	35.30	Peak	140	224	HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor		cm	deg	
1	11659.00	58.39	74.00	-15.61	49.67	5.16	38.86	35.30	Peak	138	278	VERTICAL
2	11659.18	46.23	54.00	-7.77	37.51	5.16	38.86	35.30	Average	138	278	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11a 10MHz Ch 149 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 12, 2012	Test Mode	Mode 3

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11489.64	53.70	74.00	-20.30	45.09	5.11	38.78	35.28	Peak	171	36	HORIZONTAL
2	11490.28	40.72	54.00	-13.28	32.11	5.11	38.78	35.28	Average	171	36	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11489.68	43.71	54.00	-10.29	35.10	5.11	38.78	35.28	Average	138	276	VERTICAL
2	11489.76	53.04	74.00	-20.96	44.43	5.11	38.78	35.28	Peak	138	276	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11a 10MHz Ch 157 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 12, 2012	Test Mode	Mode 3

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11568.40	40.34	54.00	-13.66	31.68	5.13	38.83	35.30	Average	161	136	HORIZONTAL
2	11573.56	53.50	74.00	-20.50	44.83	5.14	38.83	35.30	Peak	161	136	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11569.80	46.16	54.00	-7.84	37.49	5.14	38.83	35.30	Average	136	279	VERTICAL
2	11570.04	54.98	74.00	-19.02	46.31	5.14	38.83	35.30	Peak	136	279	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11a 10MHz Ch 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 12, 2012	Test Mode	Mode 3

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11648.30	55.71	74.00	-18.29	46.99	5.16	38.86	35.30	Peak	181	44	HORIZONTAL
2	11649.06	43.15	54.00	-10.85	34.43	5.16	38.86	35.30	Average	181	44	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11648.34	60.95	74.00	-13.05	52.23	5.16	38.86	35.30	Peak	140	278	VERTICAL
2	11648.48	45.00	54.00	-9.00	36.28	5.16	38.86	35.30	Average	140	278	VERTICAL



Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11a 20MHz Ch 149 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 12, 2012	Test Mode	Mode 3

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11488.14	55.97	74.00	-18.03	47.36	5.11	38.78	35.28	Peak	154	128	HORIZONTAL
2	11488.97	41.41	54.00	-12.59	32.80	5.11	38.78	35.28	Average	154	128	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11492.24	58.42	74.00	-15.58	49.81	5.11	38.78	35.28	Peak	181	175	VERTICAL
2	11492.50	44.38	54.00	-9.62	35.77	5.11	38.78	35.28	Average	181	175	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11a 20MHz Ch 157 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 12, 2012	Test Mode	Mode 3

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11569.04	41.15	54.00	-12.85	32.49	5.13	38.83	35.30	Average	161	128	HORIZONTAL
2	11569.68	54.90	74.00	-19.10	46.24	5.13	38.83	35.30	Peak	161	128	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11570.96	42.72	54.00	-11.28	34.05	5.14	38.83	35.30	Average	106	338	VERTICAL
2	11571.31	55.51	74.00	-18.49	46.84	5.14	38.83	35.30	Peak	106	338	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11a 20MHz Ch 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 12, 2012	Test Mode	Mode 3

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11651.12	40.98	54.00	-13.02	32.26	5.16	38.86	35.30	Average	133	144	HORIZONTAL
2	11656.25	54.85	74.00	-19.15	46.13	5.16	38.86	35.30	Peak	133	144	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11651.76	47.59	54.00	-6.41	38.87	5.16	38.86	35.30	Average	125	353	VERTICAL
2	11651.86	61.97	74.00	-12.03	53.25	5.16	38.86	35.30	Peak	125	353	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	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11n MCS0 5MHz Ch 148 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 14, 2012	Test Mode	Mode 4

*Horizontal*

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Remark	Pol/Phase	A/Pos	T/Pos
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m			cm	deg
1 a	11480.34	43.83	54.00	-10.17	33.43	6.73	34.82	38.49	Average	HORIZONTAL	141	145
2 p	11480.60	54.24	74.00	-19.76	43.82	6.74	34.82	38.50	Peak	HORIZONTAL	141	145

*Vertical*

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Remark	Pol/Phase	A/Pos	T/Pos
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m			cm	deg
1 p	11479.46	61.54	74.00	-12.46	51.14	6.73	34.82	38.49	Peak	VERTICAL	108	218
2 a	11479.76	49.62	54.00	-4.38	39.22	6.73	34.82	38.49	Average	VERTICAL	108	218

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11n MCS0 5MHz Ch 157 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 14, 2012	Test Mode	Mode 4

### Horizontal

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	Remark	Pol/Phase	A/Pos	T/Pos
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m			cm	deg
1 p	11568.42	56.18	74.00	-17.82	45.75	6.77	34.84	38.50	Peak	HORIZONTAL	155	150
2 a	11568.92	42.88	54.00	-11.12	32.45	6.77	34.84	38.50	Average	HORIZONTAL	155	150

### Vertical

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	Remark	Pol/Phase	A/Pos	T/Pos
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m			cm	deg
1 p	11569.78	59.48	74.00	-14.52	49.06	6.77	34.85	38.50	Peak	VERTICAL	115	218
2 a	11570.04	48.06	54.00	-5.94	37.64	6.77	34.85	38.50	Average	VERTICAL	115	218

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11n MCS0 5MHz Ch 166 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 14, 2012	Test Mode	Mode 4

### Horizontal

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	Remark	Pol/Phase	A/Pos	T/Pos
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m			cm	deg
1 a	11659.84	43.27	54.00	-10.73	32.84	6.80	34.87	38.50	Average	HORIZONTAL	158	40
2 p	11660.26	56.14	74.00	-17.86	45.71	6.80	34.87	38.50	Peak	HORIZONTAL	158	40

### Vertical

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	Remark	Pol/Phase	A/Pos	T/Pos
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m			cm	deg
1 p	11659.86	61.47	74.00	-12.53	51.04	6.80	34.87	38.50	Peak	VERTICAL	107	221
2 a	11660.16	48.74	54.00	-5.26	38.31	6.80	34.87	38.50	Average	VERTICAL	107	221

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11n MCS0 10MHz Ch 149 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 14, 2012	Test Mode	Mode 4

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Remark	Pol/Phase	A/Pos	T/Pos
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m			cm	deg
1 a	11489.24	42.98	54.00	-11.02	32.56	6.74	34.82	38.50	Average	HORIZONTAL	167	153
2 p	11489.54	55.23	74.00	-18.77	44.81	6.74	34.82	38.50	Peak	HORIZONTAL	167	153

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Remark	Pol/Phase	A/Pos	T/Pos
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m			cm	deg
1 p	11492.86	59.08	74.00	-14.92	48.66	6.74	34.82	38.50	Peak	VERTICAL	112	213
2 a	11492.86	46.53	54.00	-7.47	36.11	6.74	34.82	38.50	Average	VERTICAL	112	213

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11n MCS0 10MHz Ch 157 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 14, 2012	Test Mode	Mode 4

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Remark	Pol/Phase	A/Pos	T/Pos
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m			cm	deg
1 p	11567.38	54.64	74.00	-19.36	44.21	6.77	34.84	38.50	Peak	HORIZONTAL	153	149
2 a	11567.74	41.52	54.00	-12.48	31.09	6.77	34.84	38.50	Average	HORIZONTAL	153	149

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Remark	Pol/Phase	A/Pos	T/Pos
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m			cm	deg
1 p	11569.76	60.04	74.00	-13.96	49.62	6.77	34.85	38.50	Peak	VERTICAL	115	223
2 a	11570.06	46.28	54.00	-7.72	35.86	6.77	34.85	38.50	Average	VERTICAL	115	223



Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11n MCS0 10MHz Ch 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 14, 2012	Test Mode	Mode 4

### Horizontal

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	Remark	Pol/Phase	A/Pos	T/Pos
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m			cm	deg
1 p	11648.36	53.88	74.00	-20.12	43.45	6.80	34.87	38.50	Peak	HORIZONTAL	100	88
2 a	11648.72	41.11	54.00	-12.89	30.68	6.80	34.87	38.50	Average	HORIZONTAL	100	88

### Vertical

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	Remark	Pol/Phase	A/Pos	T/Pos
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m			cm	deg
1 p	11649.62	61.32	74.00	-12.68	50.89	6.80	34.87	38.50	Peak	VERTICAL	113	221
2 a	11649.98	47.96	54.00	-6.04	37.53	6.80	34.87	38.50	Average	VERTICAL	113	221

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11n MCS0 20MHz Ch 149 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 13, 2012	Test Mode	Mode 4

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Remark	Pol/Phase	A/Pos	T/Pos
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m			cm	deg
1 p	11488.62	53.89	74.00	-20.11	43.47	6.74	34.82	38.50	Peak	HORIZONTAL	166	152
2 a	11489.24	41.52	54.00	-12.48	31.10	6.74	34.82	38.50	Average	HORIZONTAL	166	152

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Remark	Pol/Phase	A/Pos	T/Pos
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m			cm	deg
1 p	11490.20	56.43	74.00	-17.57	46.01	6.74	34.82	38.50	Peak	VERTICAL	123	220
2 a	11490.40	44.27	54.00	-9.73	33.85	6.74	34.82	38.50	Average	VERTICAL	123	220

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11n MCS0 20MHz Ch 157 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 13, 2012	Test Mode	Mode 4

### Horizontal

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	Remark	Pol/Phase	A/Pos	T/Pos
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m			cm	deg
1 p	11568.14	52.61	74.00	-21.39	42.18	6.77	34.84	38.50	Peak	HORIZONTAL	162	148
2 a	11573.10	40.00	54.00	-14.00	29.58	6.77	34.85	38.50	Average	HORIZONTAL	162	148

### Vertical

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	Remark	Pol/Phase	A/Pos	T/Pos
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m			cm	deg
1 p	11566.90	56.38	74.00	-17.62	45.95	6.77	34.84	38.50	Peak	VERTICAL	114	213
2 a	11567.88	44.19	54.00	-9.81	33.76	6.77	34.84	38.50	Average	VERTICAL	114	213

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11n MCS0 20MHz Ch 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 13, 2012	Test Mode	Mode 4

### Horizontal

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	Remark	Pol/Phase	A/Pos	T/Pos
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m			cm	deg
1 a	11648.88	40.66	54.00	-13.34	30.23	6.80	34.87	38.50	Average	HORIZONTAL	137	147
2 p	11649.80	52.59	74.00	-21.41	42.16	6.80	34.87	38.50	Peak	HORIZONTAL	137	147

### Vertical

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	Remark	Pol/Phase	A/Pos	T/Pos
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m			cm	deg
1 a	11648.36	43.61	54.00	-10.39	33.18	6.80	34.87	38.50	Average	VERTICAL	100	218
2 p	11648.84	56.29	74.00	-17.71	45.86	6.80	34.87	38.50	Peak	VERTICAL	100	218

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11n MCS0 40MHz Ch 151 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 13, 2012	Test Mode	Mode 4

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Remark	Pol/Phase	A/Pos	T/Pos
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m			cm	deg
1 a	11509.96	39.10	54.00	-14.90	28.67	6.75	34.82	38.50	Average	HORIZONTAL	114	144
2 p	11510.92	51.46	74.00	-22.54	41.03	6.75	34.82	38.50	Peak	HORIZONTAL	114	144

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Remark	Pol/Phase	A/Pos	T/Pos
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m			cm	deg
1 p	11508.76	53.24	74.00	-20.76	42.81	6.75	34.82	38.50	Peak	VERTICAL	115	222
2 a	11510.08	41.40	54.00	-12.60	30.97	6.75	34.82	38.50	Average	VERTICAL	115	222



Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11n MCS0 40MHz Ch 159 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 13, 2012	Test Mode	Mode 4

*Horizontal*

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Remark	Pol/Phase	A/Pos	T/Pos
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m			cm	deg
1 a	11588.36	39.20	54.00	-14.80	28.77	6.78	34.85	38.50	Average	HORIZONTAL	149	150
2 p	11589.52	51.93	74.00	-22.07	41.50	6.78	34.85	38.50	Peak	HORIZONTAL	149	150

*Vertical*

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Remark	Pol/Phase	A/Pos	T/Pos
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m			cm	deg
1 a	11588.68	41.07	54.00	-12.93	30.64	6.78	34.85	38.50	Average	VERTICAL	137	218
2 p	11591.00	54.63	74.00	-19.37	44.20	6.78	34.85	38.50	Peak	VERTICAL	137	218

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11a 5MHz Ch 148 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 14, 2012	Test Mode	Mode 4

### Horizontal

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	Remark	Pol/Phase	A/Pos	T/Pos
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m			cm	deg
1 a	11478.52	43.48	54.00	-10.52	33.08	6.73	34.82	38.49	Average	HORIZONTAL	148	34
2 p	11478.60	56.17	74.00	-17.83	45.77	6.73	34.82	38.49	Peak	HORIZONTAL	148	34

### Vertical

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	Remark	Pol/Phase	A/Pos	T/Pos
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m			cm	deg
1 a	11479.62	49.36	54.00	-4.64	38.96	6.73	34.82	38.49	Average	VERTICAL	113	217
2 p	11479.78	60.96	74.00	-13.04	50.56	6.73	34.82	38.49	Peak	VERTICAL	113	217



Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11a 5MHz Ch 157 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 14, 2012	Test Mode	Mode 4

*Horizontal*

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	Remark	Pol/Phase	A/Pos	T/Pos
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m			cm	deg
1 p	11569.90	54.96	74.00	-19.04	44.54	6.77	34.85	38.50	Peak	HORIZONTAL	124	34
2 a	11569.96	43.45	54.00	-10.55	33.03	6.77	34.85	38.50	Average	HORIZONTAL	124	34

*Vertical*

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	Remark	Pol/Phase	A/Pos	T/Pos
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m			cm	deg
1 p	11569.48	59.65	74.00	-14.35	49.22	6.77	34.84	38.50	Peak	VERTICAL	110	213
2 a	11569.66	47.91	54.00	-6.09	37.48	6.77	34.84	38.50	Average	VERTICAL	110	213



Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11a 5MHz Ch 166 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 14, 2012	Test Mode	Mode 4

### Horizontal

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	Remark	Pol/Phase	A/Pos	T/Pos
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m			cm	deg
1 p	11659.70	55.81	74.00	-18.19	45.38	6.80	34.87	38.50	Peak	HORIZONTAL	158	39
2 a	11659.82	43.83	54.00	-10.17	33.40	6.80	34.87	38.50	Average	HORIZONTAL	158	39

### Vertical

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	Remark	Pol/Phase	A/Pos	T/Pos
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m			cm	deg
1 p	11660.16	60.30	74.00	-13.70	49.87	6.80	34.87	38.50	Peak	VERTICAL	110	214
2 a	11660.28	48.08	54.00	-5.92	37.65	6.80	34.87	38.50	Average	VERTICAL	110	214

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11a 10MHz Ch 149 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 14, 2012	Test Mode	Mode 4

### Horizontal

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	Remark	Pol/Phase	A/Pos	T/Pos
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m			cm	deg
1 a	11489.58	41.97	54.00	-12.03	31.55	6.74	34.82	38.50	Average	HORIZONTAL	163	153
2 p	11489.82	55.89	74.00	-18.11	45.47	6.74	34.82	38.50	Peak	HORIZONTAL	163	153

### Vertical

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	Remark	Pol/Phase	A/Pos	T/Pos
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m			cm	deg
1 a	11491.22	46.11	54.00	-7.89	35.69	6.74	34.82	38.50	Average	VERTICAL	113	213
2 p	11491.54	59.14	74.00	-14.86	48.72	6.74	34.82	38.50	Peak	VERTICAL	113	213

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11a 10MHz Ch 157 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 14, 2012	Test Mode	Mode 4

### Horizontal

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	Remark	Pol/Phase	A/Pos	T/Pos
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m			cm	deg
1 a	11569.06	42.72	54.00	-11.28	32.29	6.77	34.84	38.50	Average	HORIZONTAL	149	151
2 p	11569.76	55.50	74.00	-18.50	45.08	6.77	34.85	38.50	Peak	HORIZONTAL	149	151

### Vertical

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	Remark	Pol/Phase	A/Pos	T/Pos
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m			cm	deg
1 a	11570.20	46.02	54.00	-7.98	35.60	6.77	34.85	38.50	Average	VERTICAL	100	219
2 p	11570.34	58.52	74.00	-15.48	48.10	6.77	34.85	38.50	Peak	VERTICAL	100	219

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11a 10MHz Ch 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 14, 2012	Test Mode	Mode 4

### Horizontal

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	Remark	Pol/Phase	A/Pos	T/Pos
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m			cm	deg
1 a	11648.96	43.46	54.00	-10.54	33.03	6.80	34.87	38.50	Average	HORIZONTAL	159	38
2 p	11649.14	57.43	74.00	-16.57	47.00	6.80	34.87	38.50	Peak	HORIZONTAL	159	38

### Vertical

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	Remark	Pol/Phase	A/Pos	T/Pos
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m			cm	deg
1 p	11650.64	59.86	74.00	-14.14	49.43	6.80	34.87	38.50	Peak	VERTICAL	113	214
2 a	11650.88	47.26	54.00	-6.74	36.83	6.80	34.87	38.50	Average	VERTICAL	113	214

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11a 20MHz Ch 149 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 13, 2012	Test Mode	Mode 4

### Horizontal

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	Remark	Pol/Phase	A/Pos	T/Pos
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m			cm	deg
1 p	11489.24	54.57	74.00	-19.43	44.15	6.74	34.82	38.50	Peak	HORIZONTAL	163	152
2 a	11489.62	41.87	54.00	-12.13	31.45	6.74	34.82	38.50	Average	HORIZONTAL	163	152

### Vertical

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	Remark	Pol/Phase	A/Pos	T/Pos
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m			cm	deg
1 a	11491.86	44.19	54.00	-9.81	33.77	6.74	34.82	38.50	Average	VERTICAL	113	214
2 p	11491.90	57.05	74.00	-16.95	46.63	6.74	34.82	38.50	Peak	VERTICAL	113	214

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11a 20MHz Ch 157 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 13, 2012	Test Mode	Mode 4

### Horizontal

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	Remark	Pol/Phase	A/Pos	T/Pos
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m			cm	deg
1 a	11567.34	40.67	54.00	-13.33	30.24	6.77	34.84	38.50	Average	HORIZONTAL	155	149
2 p	11570.00	53.66	74.00	-20.34	43.24	6.77	34.85	38.50	Peak	HORIZONTAL	155	149

### Vertical

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	Remark	Pol/Phase	A/Pos	T/Pos
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m			cm	deg
1 a	11569.14	44.35	54.00	-9.65	33.92	6.77	34.84	38.50	Average	VERTICAL	103	330
2 p	11570.28	57.47	74.00	-16.53	47.05	6.77	34.85	38.50	Peak	VERTICAL	103	330



Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11a 20MHz Ch 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 13, 2012	Test Mode	Mode 4

*Horizontal*

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	Remark	Pol/Phase	A/Pos	T/Pos
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m			cm	deg
1 a	11650.00	41.45	54.00	-12.55	31.02	6.80	34.87	38.50	Average	HORIZONTAL	163	141
2 p	11652.90	51.90	74.00	-22.10	41.47	6.80	34.87	38.50	Peak	HORIZONTAL	163	141

*Vertical*

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	Remark	Pol/Phase	A/Pos	T/Pos
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m			cm	deg
1 a	11648.88	43.65	54.00	-10.35	33.22	6.80	34.87	38.50	Average	VERTICAL	100	218
2 p	11648.96	56.69	74.00	-17.31	46.26	6.80	34.87	38.50	Peak	VERTICAL	100	218

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	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11n MCS0 5MHz Ch 148 / Chain 1 + Chain 3
Test Date	Jul. 18, 2012	Test Mode	Mode 5

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11476.62	60.33	74.00	-13.67	51.73	5.11	38.77	35.28	Peak	100	166	HORIZONTAL
2	11479.46	47.78	54.00	-6.22	39.18	5.11	38.77	35.28	Average	100	166	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11479.28	62.38	74.00	-11.62	53.78	5.11	38.77	35.28	Peak	100	164	VERTICAL
2	11479.74	49.33	54.00	-4.67	40.73	5.11	38.77	35.28	Average	100	164	VERTICAL



Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11n MCS0 5MHz Ch 157 / Chain 1 + Chain 3
Test Date	Jul. 18, 2012	Test Mode	Mode 5

### Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor		cm	deg	
1	11569.80	49.37	54.00	-4.63	40.70	5.14	38.83	35.30	Average	100	166	HORIZONTAL
2	11570.68	61.15	74.00	-12.85	52.48	5.14	38.83	35.30	Peak	100	166	HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor		cm	deg	
1	11569.68	51.97	54.00	-2.03	43.31	5.13	38.83	35.30	Average	100	165	VERTICAL
2	11569.70	63.90	74.00	-10.10	55.24	5.13	38.83	35.30	Peak	100	165	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11n MCS0 5MHz Ch 166 / Chain 1 + Chain 3
Test Date	Jul. 18, 2012	Test Mode	Mode 5

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11659.40	58.63	74.00	-15.37	49.91	5.16	38.86	35.30	Peak	100	166	HORIZONTAL
2	11659.72	45.93	54.00	-8.07	37.21	5.16	38.86	35.30	Average	100	166	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11659.82	49.33	54.00	-4.67	40.61	5.16	38.86	35.30	Average	154	165	VERTICAL
2	11660.08	61.13	74.00	-12.87	52.41	5.16	38.86	35.30	Peak	154	165	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11n MCS0 10MHz Ch 149 / Chain 1 + Chain 3
Test Date	Jul. 18, 2012	Test Mode	Mode 5

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11489.14	45.86	54.00	-8.14	37.25	5.11	38.78	35.28	Average	100	166	HORIZONTAL
2	11492.50	59.36	74.00	-14.64	50.75	5.11	38.78	35.28	Peak	100	166	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11489.50	47.01	54.00	-6.99	38.40	5.11	38.78	35.28	Average	103	163	VERTICAL
2	11490.18	60.43	74.00	-13.57	51.82	5.11	38.78	35.28	Peak	103	163	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11n MCS0 10MHz Ch 157 / Chain 1 + Chain 3
Test Date	Jul. 18, 2012	Test Mode	Mode 5

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11566.96	60.23	74.00	-13.77	51.58	5.13	38.82	35.30	Peak	100	164	HORIZONTAL
2	11568.82	45.76	54.00	-8.24	37.10	5.13	38.83	35.30	Average	100	164	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11569.44	61.46	74.00	-12.54	52.80	5.13	38.83	35.30	Peak	100	164	VERTICAL
2	11569.66	48.17	54.00	-5.83	39.51	5.13	38.83	35.30	Average	100	164	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11n MCS0 10MHz Ch 165 / Chain 1 + Chain 3
Test Date	Jul. 18, 2012	Test Mode	Mode 5

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11648.50	44.44	54.00	-9.56	35.72	5.16	38.86	35.30	Average	100	164	HORIZONTAL
2	11648.90	57.95	74.00	-16.05	49.23	5.16	38.86	35.30	Peak	100	164	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11648.86	59.04	74.00	-14.96	50.32	5.16	38.86	35.30	Peak	100	167	VERTICAL
2	11650.24	45.28	54.00	-8.72	36.56	5.16	38.86	35.30	Average	100	167	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11n MCS0 20MHz Ch 149 / Chain 1 + Chain 3
Test Date	Jul. 18, 2012	Test Mode	Mode 5

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11489.16	42.07	54.00	-11.93	33.46	5.11	38.78	35.28	Average	107	174	HORIZONTAL
2	11490.00	55.50	74.00	-18.50	46.89	5.11	38.78	35.28	Peak	107	174	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11488.92	44.66	54.00	-9.34	36.05	5.11	38.78	35.28	Average	104	170	VERTICAL
2	11489.72	57.99	74.00	-16.01	49.38	5.11	38.78	35.28	Peak	104	170	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11n MCS0 20MHz Ch 157 / Chain 1 + Chain 3
Test Date	Jul. 18, 2012	Test Mode	Mode 5

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11572.48	53.60	74.00	-20.40	44.93	5.14	38.83	35.30	Peak	100	202	HORIZONTAL
2	11575.24	38.48	54.00	-15.52	29.81	5.14	38.83	35.30	Average	100	202	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11567.04	57.34	74.00	-16.66	48.69	5.13	38.82	35.30	Peak	100	208	VERTICAL
2	11568.64	41.87	54.00	-12.13	33.21	5.13	38.83	35.30	Average	100	208	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11n MCS0 20MHz Ch 165 / Chain 1 + Chain 3
Test Date	Jul. 18, 2012	Test Mode	Mode 5

### Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11654.12	41.77	54.00	-12.23	33.05	5.16	38.86	35.30	Average	100	170	HORIZONTAL
2	11655.84	57.02	74.00	-16.98	48.30	5.16	38.86	35.30	Peak	100	170	HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11647.64	60.28	74.00	-13.72	51.56	5.16	38.86	35.30	Peak	153	139	VERTICAL
2	11648.44	44.17	54.00	-9.83	35.45	5.16	38.86	35.30	Average	153	139	VERTICAL



Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11a 5MHz Ch 148 / Chain 1 + Chain 3
Test Date	Jul. 18, 2012	Test Mode	Mode 5

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11478.26	59.45	74.00	-14.55	50.85	5.11	38.77	35.28	Peak	100	163	HORIZONTAL
2	11479.76	47.41	54.00	-6.59	38.81	5.11	38.77	35.28	Average	100	163	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11477.24	62.47	74.00	-11.53	53.87	5.11	38.77	35.28	Peak	100	163	VERTICAL
2	11479.88	50.07	54.00	-3.93	41.47	5.11	38.77	35.28	Average	100	163	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11a 5MHz Ch 157 / Chain 1 + Chain 3
Test Date	Jul. 18, 2012	Test Mode	Mode 5

### Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor		cm	deg	
1	11569.60	61.25	74.00	-12.75	52.59	5.13	38.83	35.30	Peak	100	165	HORIZONTAL
2	11569.66	48.97	54.00	-5.03	40.31	5.13	38.83	35.30	Average	100	165	HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor		cm	deg	
1	11569.76	50.54	54.00	-3.46	41.87	5.14	38.83	35.30	Average	100	164	VERTICAL
2	11569.86	61.60	74.00	-12.40	52.93	5.14	38.83	35.30	Peak	100	164	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11a 5MHz Ch 166 / Chain 1 + Chain 3
Test Date	Jul. 18, 2012	Test Mode	Mode 5

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11656.74	58.65	74.00	-15.35	49.93	5.16	38.86	35.30	Peak	100	166	HORIZONTAL
2	11659.82	46.06	54.00	-7.94	37.34	5.16	38.86	35.30	Average	100	166	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11656.56	59.76	74.00	-14.24	51.04	5.16	38.86	35.30	Peak	100	166	VERTICAL
2	11659.82	47.67	54.00	-6.33	38.95	5.16	38.86	35.30	Average	100	166	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11a 10MHz Ch 149 / Chain 1 + Chain 3
Test Date	Jul. 18, 2012	Test Mode	Mode 5

### 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	11490.58	43.91	54.00	-10.09	35.30	5.11	38.78	35.28 Average	100	172	HORIZONTAL
2	11490.72	57.11	74.00	-16.89	48.50	5.11	38.78	35.28 Peak	100	172	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	11489.68	47.53	54.00	-6.47	38.92	5.11	38.78	35.28 Average	106	167	VERTICAL
2	11490.32	61.12	74.00	-12.88	52.51	5.11	38.78	35.28 Peak	106	167	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11a 10MHz Ch 157 / Chain 1 + Chain 3
Test Date	Jul. 18, 2012	Test Mode	Mode 5

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11569.16	57.55	74.00	-16.45	48.89	5.13	38.83	35.30	Peak	100	165	HORIZONTAL
2	11571.12	44.03	54.00	-9.97	35.36	5.14	38.83	35.30	Average	100	165	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11567.38	58.25	74.00	-15.75	49.60	5.13	38.82	35.30	Peak	100	170	VERTICAL
2	11569.30	44.90	54.00	-9.10	36.24	5.13	38.83	35.30	Average	100	170	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11a 10MHz Ch 165 / Chain 1 + Chain 3
Test Date	Jul. 18, 2012	Test Mode	Mode 5

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11650.12	45.67	54.00	-8.33	36.95	5.16	38.86	35.30	Average	100	165	HORIZONTAL
2	11651.32	59.39	74.00	-14.61	50.67	5.16	38.86	35.30	Peak	100	165	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11648.12	60.71	74.00	-13.29	51.99	5.16	38.86	35.30	Peak	100	166	VERTICAL
2	11650.10	47.17	54.00	-6.83	38.45	5.16	38.86	35.30	Average	100	166	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11a 20MHz Ch 149 / Chain 1 + Chain 3
Test Date	Jul. 18, 2012	Test Mode	Mode 5

### Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11488.80	43.29	54.00	-10.71	34.68	5.11	38.78	35.28	Average	100	186	HORIZONTAL
2	11492.60	55.65	74.00	-18.35	47.04	5.11	38.78	35.28	Peak	100	186	HORIZONTAL

### Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11489.20	43.49	54.00	-10.51	34.88	5.11	38.78	35.28	Average	100	223	VERTICAL
2	11490.60	53.11	74.00	-20.89	44.50	5.11	38.78	35.28	Peak	100	223	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11a 20MHz Ch 157 / Chain 1 + Chain 3
Test Date	Jul. 18, 2012	Test Mode	Mode 5

### Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11568.00	42.42	54.00	-11.58	33.76	5.13	38.83	35.30	Average	100	181	HORIZONTAL
2	11568.20	54.73	74.00	-19.27	46.07	5.13	38.83	35.30	Peak	100	181	HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11569.20	54.70	74.00	-19.30	46.04	5.13	38.83	35.30	Peak	100	179	VERTICAL
2	11570.20	43.12	54.00	-10.88	34.45	5.14	38.83	35.30	Average	100	179	VERTICAL



Temperature	24°C	Humidity	56%
Test Engineer	Sean Ku	Configurations	IEEE 802.11a 20MHz Ch 165 / Chain 1 + Chain 3
Test Date	Jul. 18, 2012	Test Mode	Mode 5

### Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11650.80	41.84	54.00	-12.16	33.12	5.16	38.86	35.30	Average	155	165	HORIZONTAL
2	11651.40	55.77	74.00	-18.23	47.05	5.16	38.86	35.30	Peak	155	165	HORIZONTAL

### Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11643.84	58.69	74.00	-15.31	49.97	5.16	38.86	35.30	Peak	100	199	VERTICAL
2	11648.40	42.76	54.00	-11.24	34.04	5.16	38.86	35.30	Average	100	199	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.

## 4.7. Band Edge Emissions Measurement

### 4.7.1. 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

### 4.7.2. 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
RB / VB (Emission in restricted band)	1MHz / 3MHz for Peak, 1 MHz / 10Hz for Average
RB / VB (Emission in non-restricted band)	100 KHz / 300 KHz for Peak

### 4.7.3. Test Procedures

- The test procedure is the same as section 4.5.3, only the frequency range investigated is limited to 100MHz around bandedges.

### 4.7.4. Test Setup Layout

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

### 4.7.5. Test Deviation

There is no deviation with the original standard.

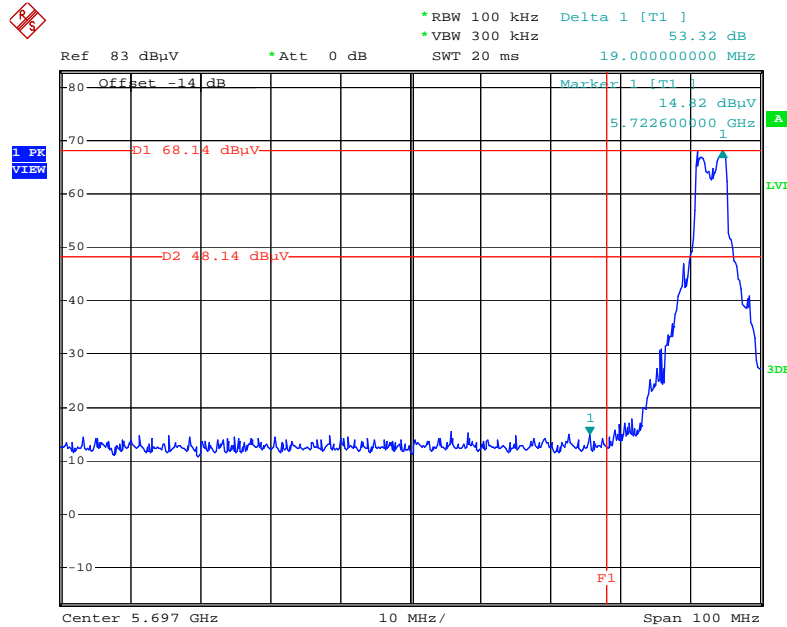
### 4.7.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

### 4.7.7. Test Result of Band Edge and Fundamental Emissions

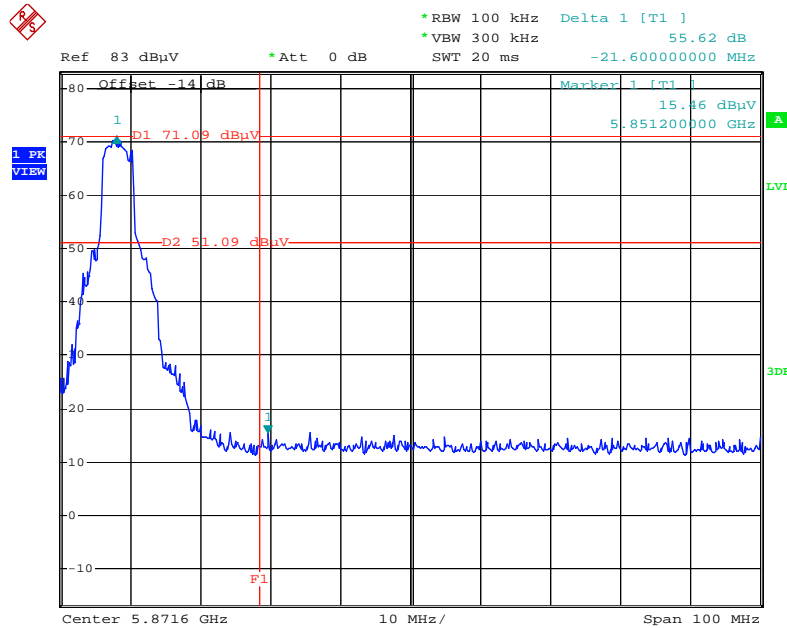
For Emission not in Restricted Band

Plot on Configuration IEEE 802.11 n MCS0 5MHz / Chain 1 + Chain 2 + Chain 3 / 5740MHz / Mode 1



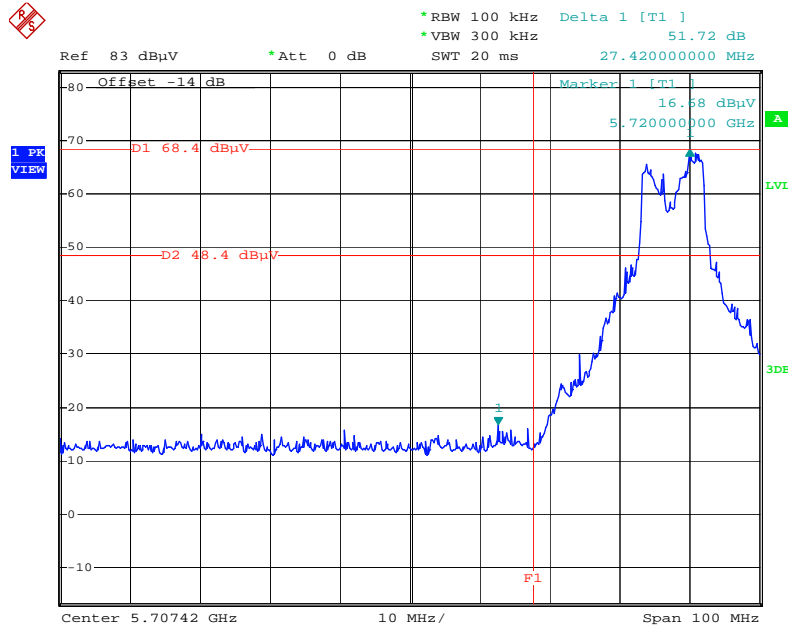
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Plot on Configuration IEEE 802.11n MCS0 5MHz / Chain 1 + Chain 2 + Chain 3 / 5830MHz / Mode 1



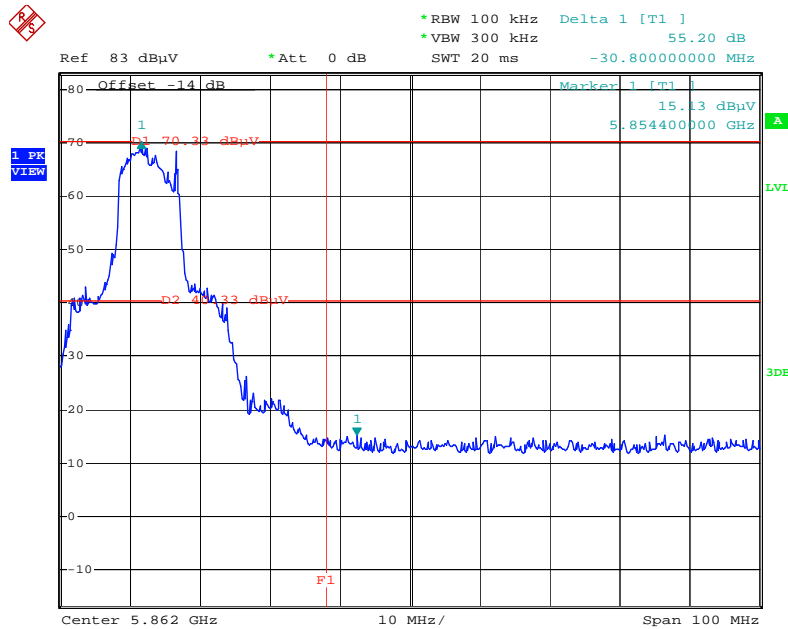
Date: 18.JUL.2012 01:28:31

Plot on Configuration IEEE 802.11n MCS0 10MHz / Chain 1 + Chain 2 + Chain 3 / 5745MHz / Mode 1



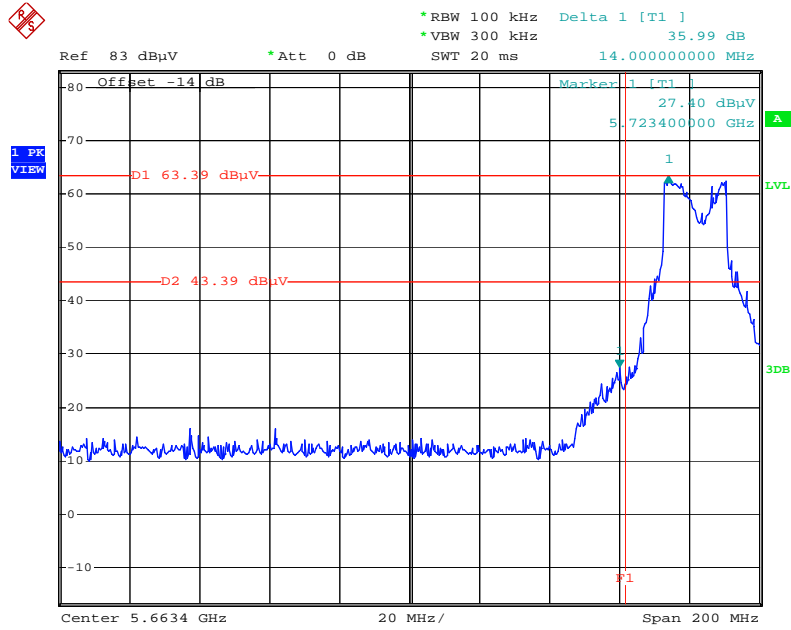
Date: 18.JUL.2012 01:17:45

Plot on Configuration IEEE 802.11n MCS0 10MHz / Chain 1 + Chain 2 + Chain 3 / 5825 MHz / Mode 1



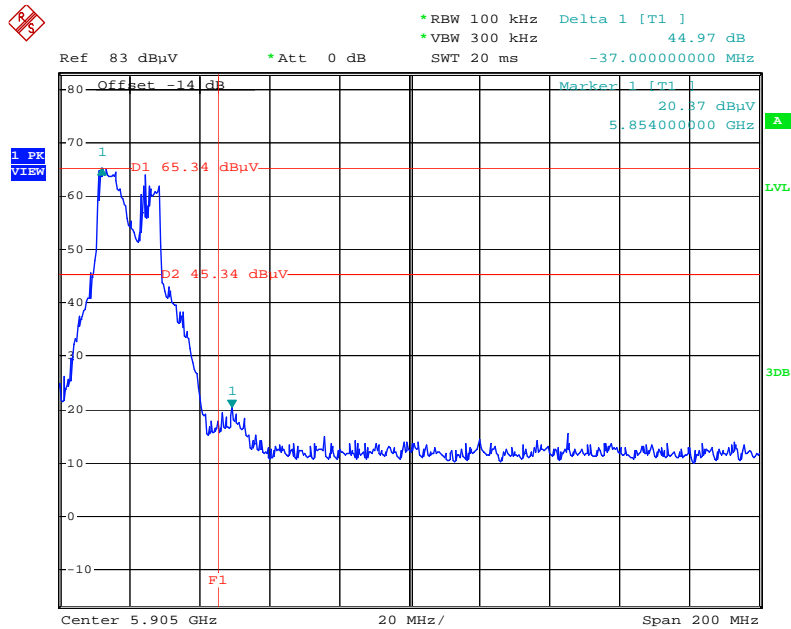
Date: 18.JUL.2012 01:19:54

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



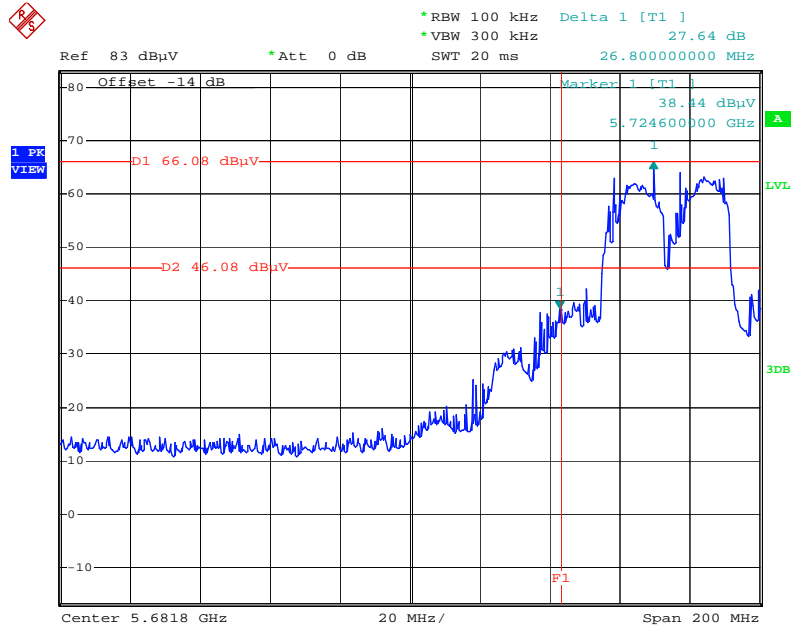
Date: 18.JUL.2012 02:13:26

Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1 + Chain 2 + Chain 3 / 5825MHz / Mode 1



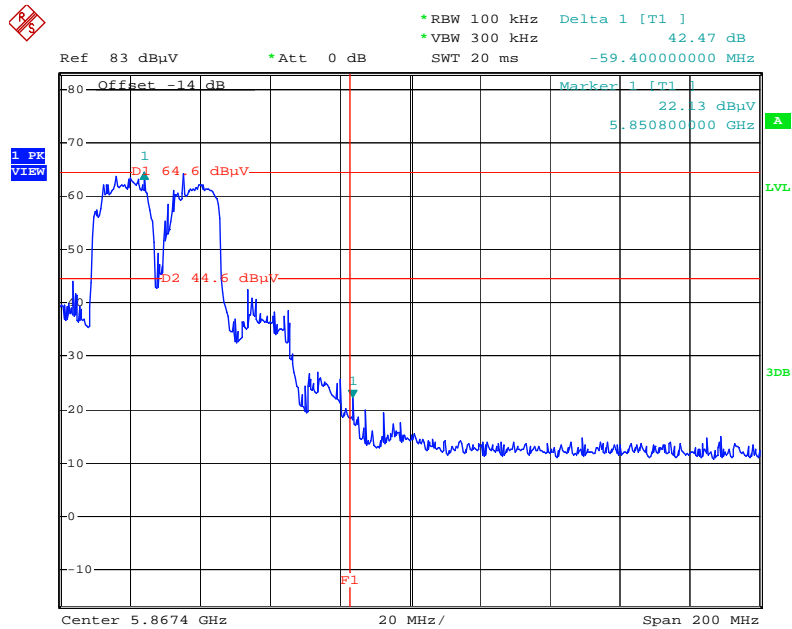
Date: 18.JUL.2012 02:17:42

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



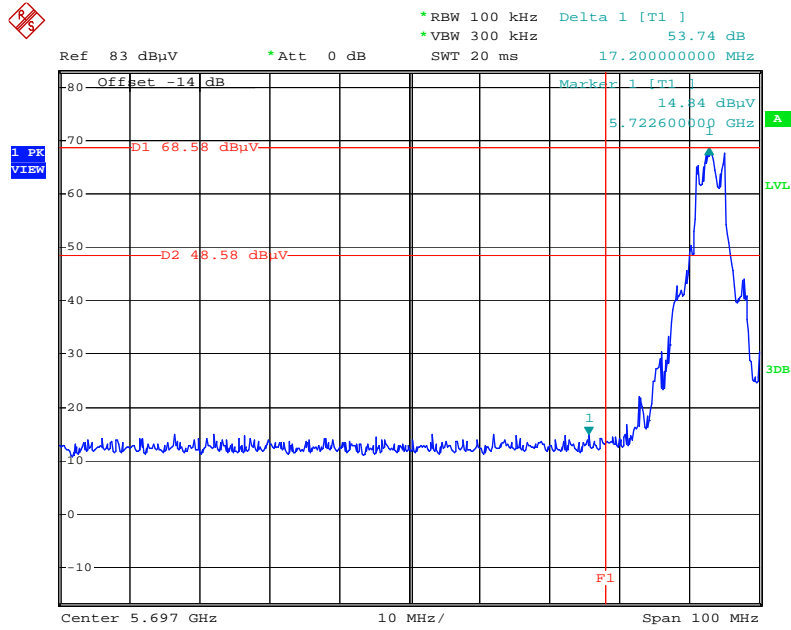
Date: 18.JUL.2012 02:20:41

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



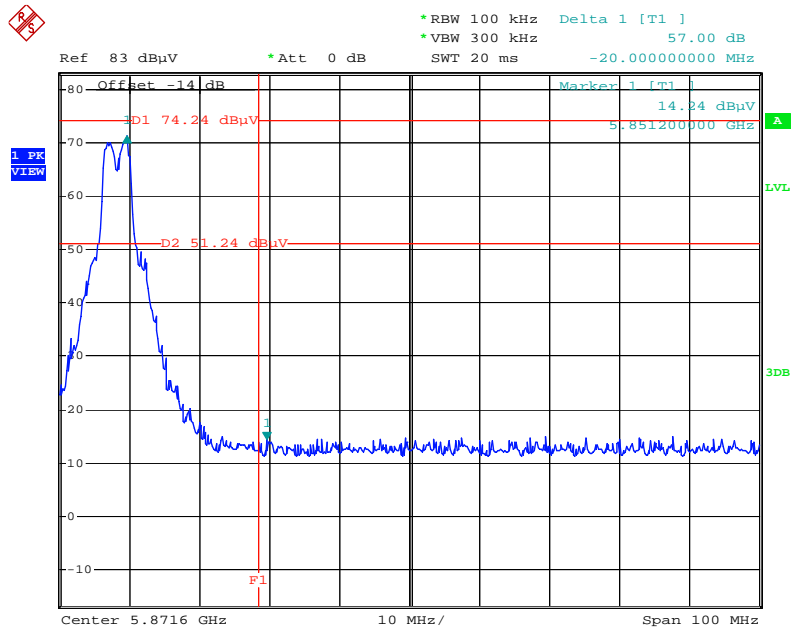
Date: 18.JUL.2012 02:19:19

Plot on Configuration IEEE 802.11a 5MHz / Chain 1 + Chain 2 + Chain 3 / 5740MHz / Mode 1



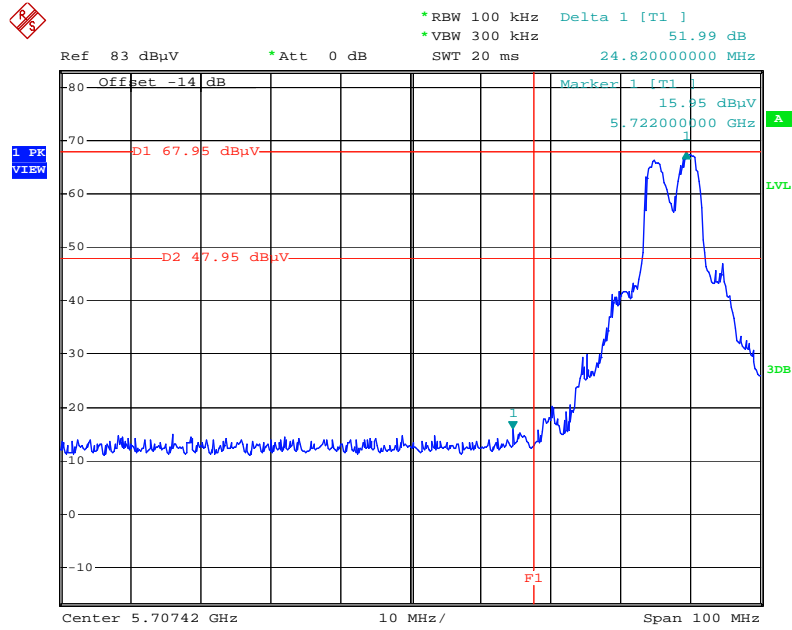
Date: 18.JUL.2012 01:33:40

Plot on Configuration IEEE 802.11a 5MHz / Chain 1 + Chain 2 + Chain 3 / 5830MHz / Mode 1



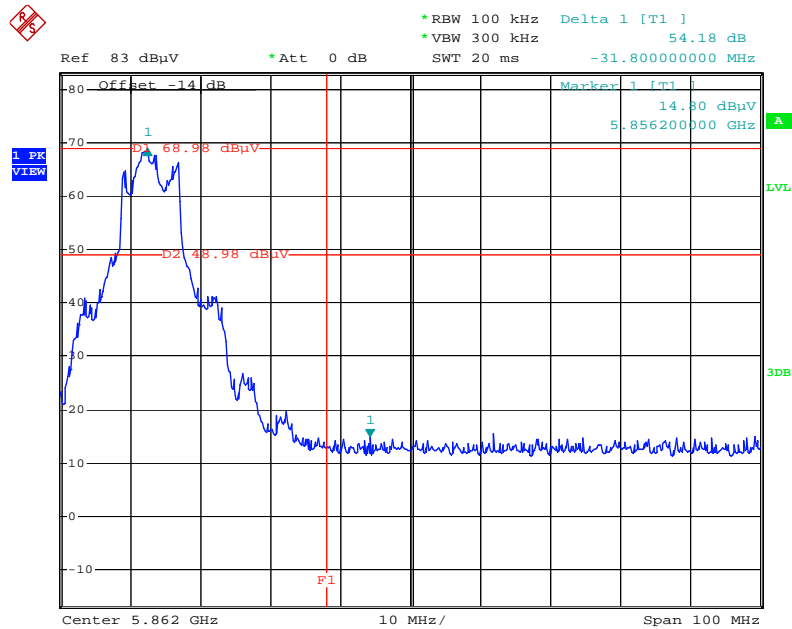
Date: 18.JUL.2012 01:26:41

Plot on Configuration IEEE 802.11a 10MHz / Chain 1 + Chain 2 + Chain 3 / 5745MHz / Mode 1



Date: 18.JUL.2012 01:16:26

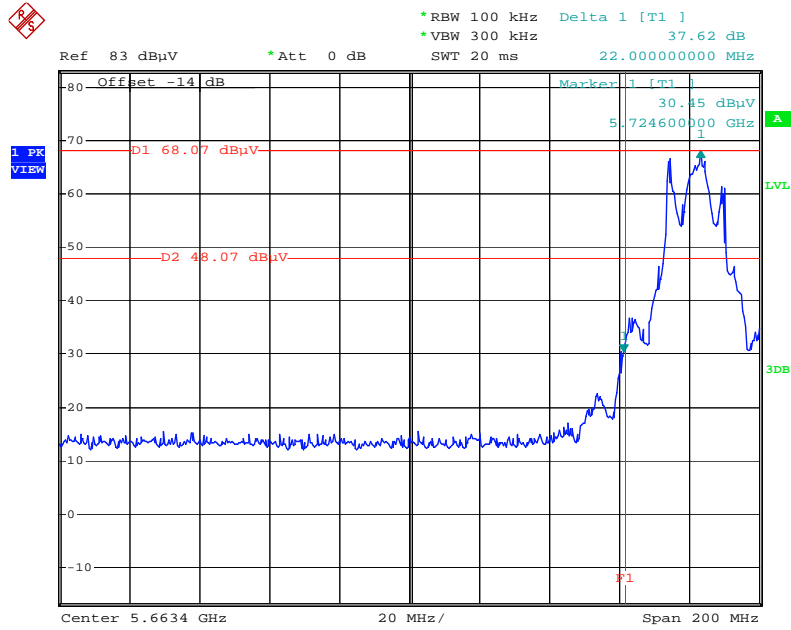
Plot on Configuration IEEE 802.11a 10MHz / Chain 1 + Chain 2 + Chain 3 / 5825MHz / Mode 1



Date: 18.JUL.2012 01:21:12

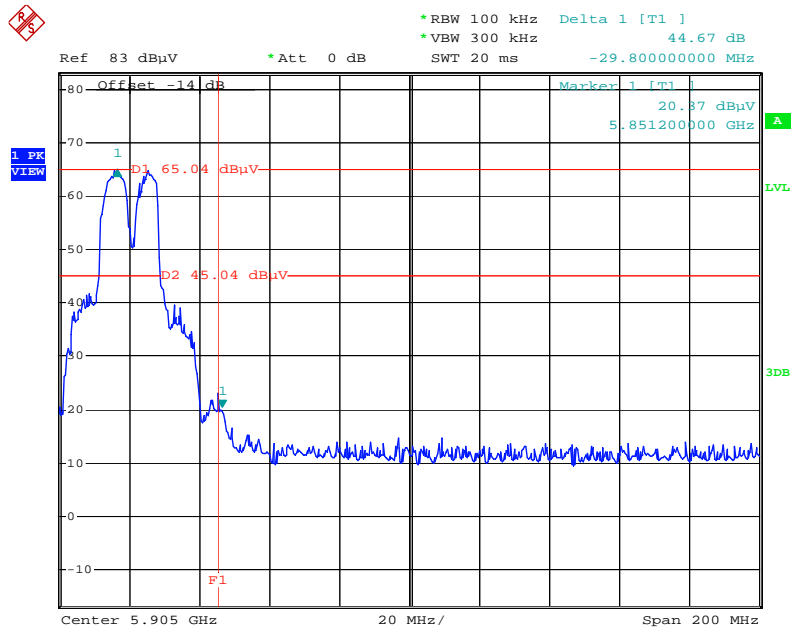


Plot on Configuration IEEE 802.11a 20MHz / Chain 1 + Chain 2 + Chain 3 / 5745MHz / Mode 1



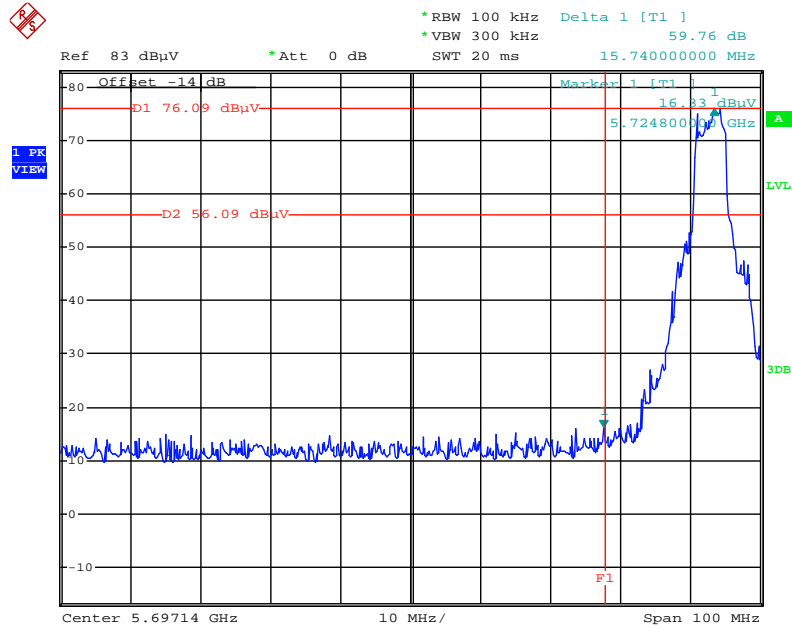
Date: 18.JUL.2012 02:15:06

Plot on Configuration IEEE 802.11a 20MHz / Chain 1 + Chain 2 + Chain 3 / 5825MHz / Mode 1



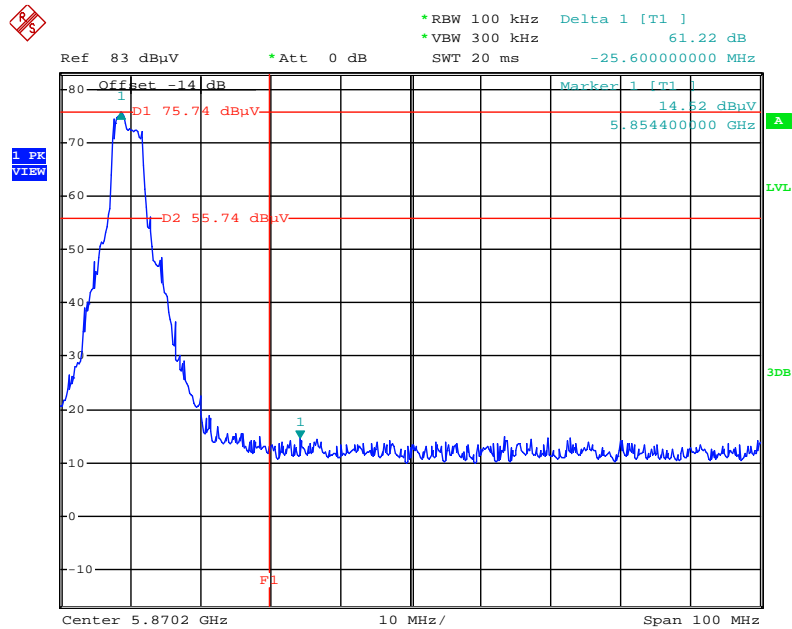
Date: 18.JUL.2012 02:16:21

Plot on Configuration IEEE 802.11 n MCS0 5MHz / Chain 1 + Chain 2 + Chain 3 / 5740MHz / Mode 2



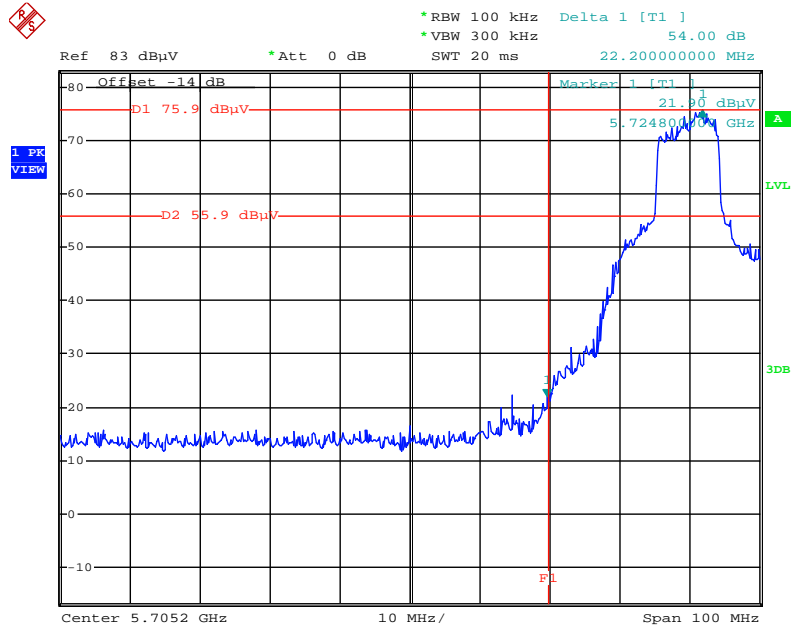
Date: 19.JUL.2012 23:35:09

Plot on Configuration IEEE 802.11n MCS0 5MHz / Chain 1 + Chain 2 + Chain 3 / 5830MHz / Mode 2



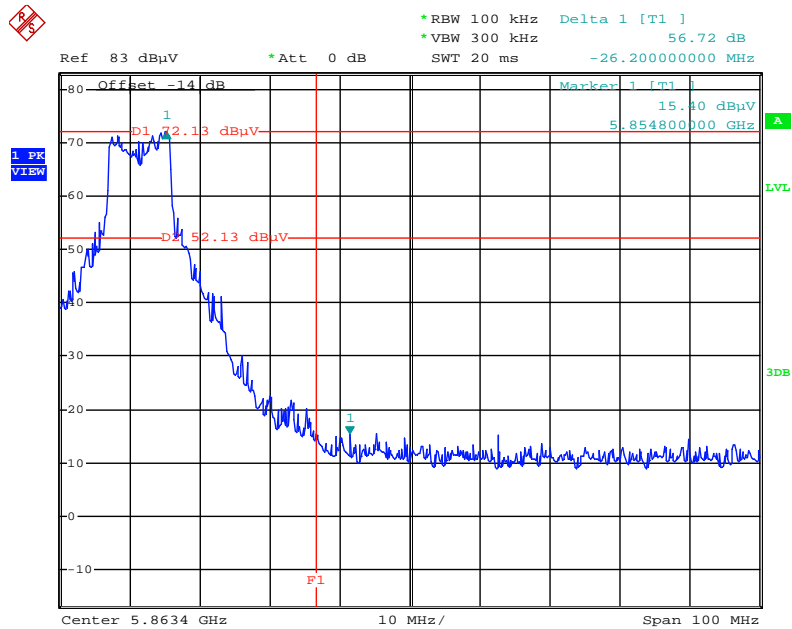
Date: 19.JUL.2012 23:36:18

Plot on Configuration IEEE 802.11n MCS0 10MHz / Chain 1 + Chain 2 + Chain 3 / 5745MHz / Mode 2



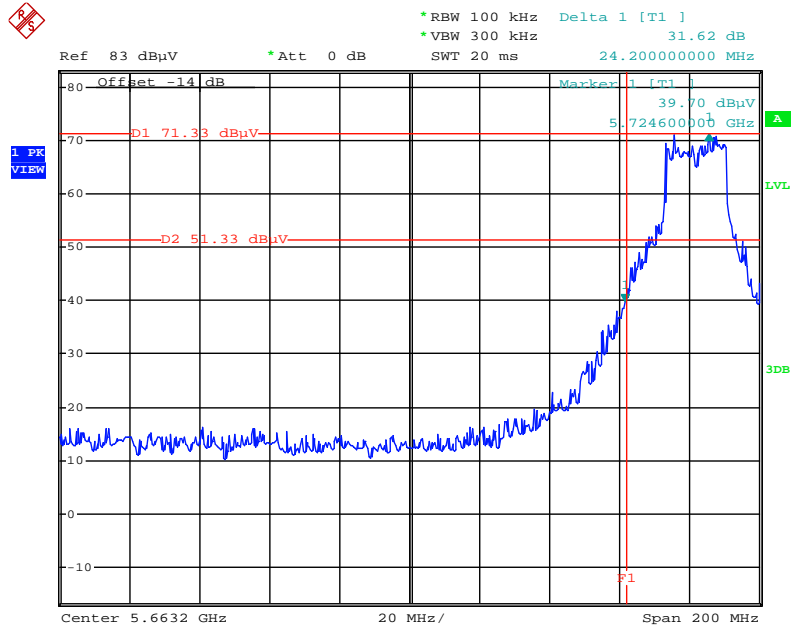
Date: 19.JUL.2012 23:42:01

Plot on Configuration IEEE 802.11n MCS0 10MHz / Chain 1 + Chain 2 + Chain 3 / 5825MHz / Mode 2



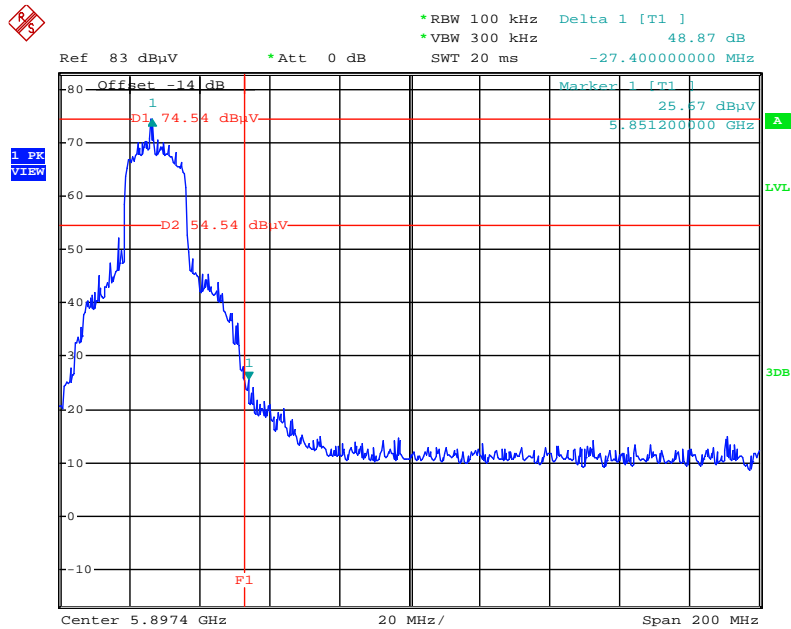
Date: 19.JUL.2012 23:40:27

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



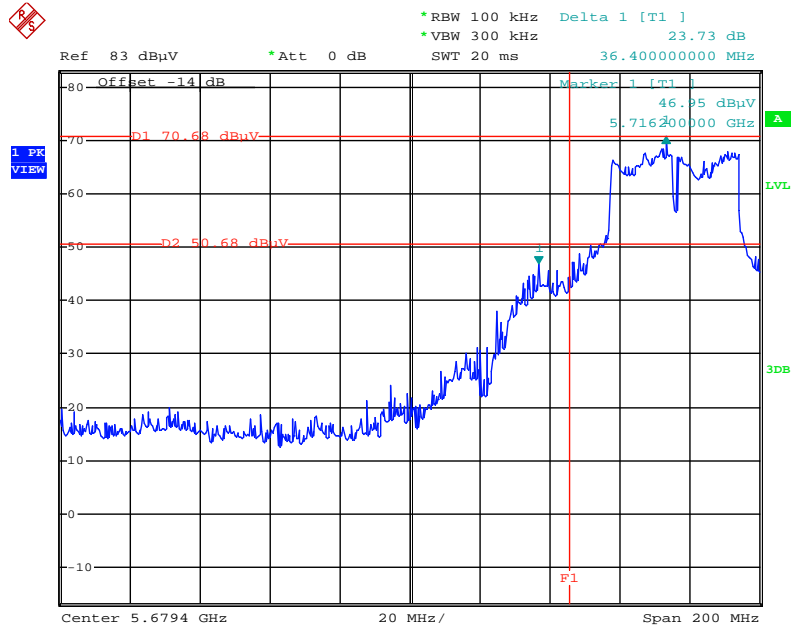
Date: 19.JUL.2012 23:55:27

Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1 + Chain 2 + Chain 3 / 5825MHz / Mode 2



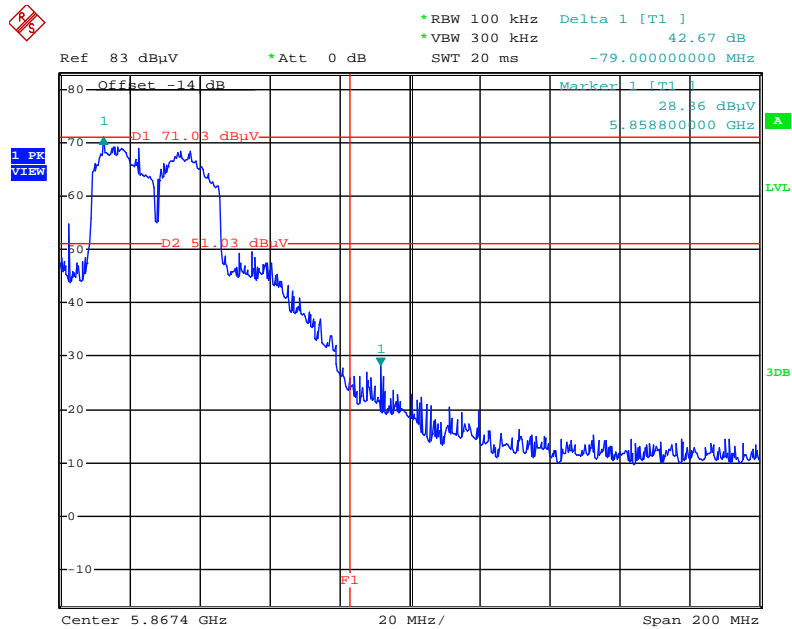
Date: 19.JUL.2012 23:56:36

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



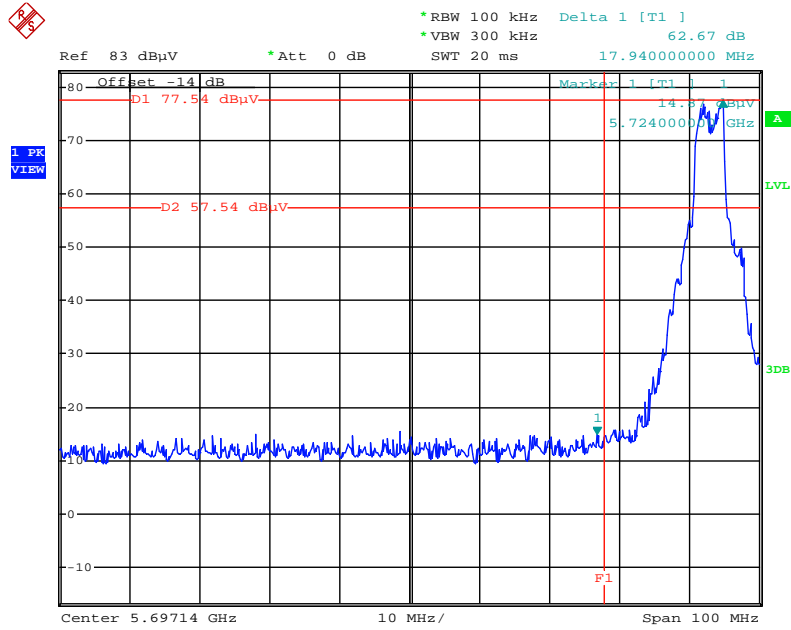
Date: 19.JUL.2012 23:59:49

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



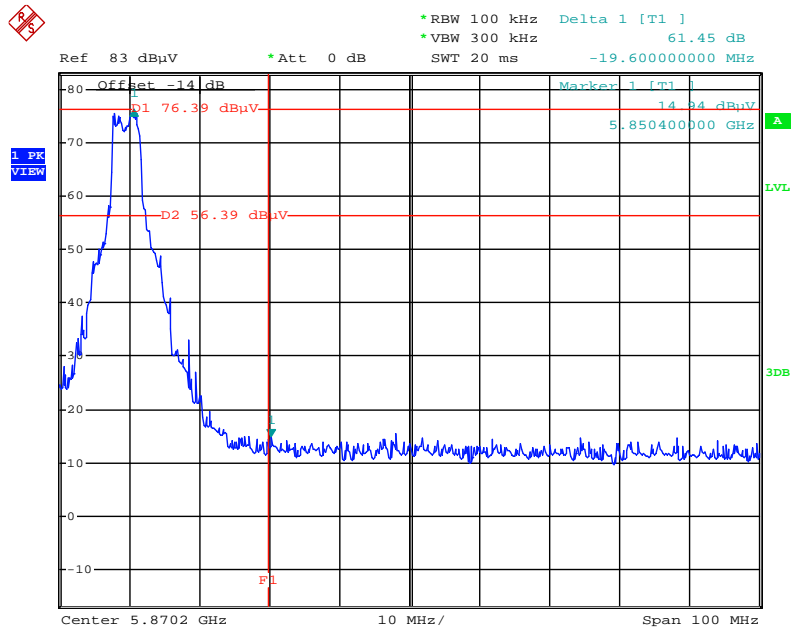
Date: 19.JUL.2012 23:58:49

Plot on Configuration IEEE 802.11a 5MHz / Chain 1 + Chain 2 + Chain 3 / 5740MHz / Mode 2



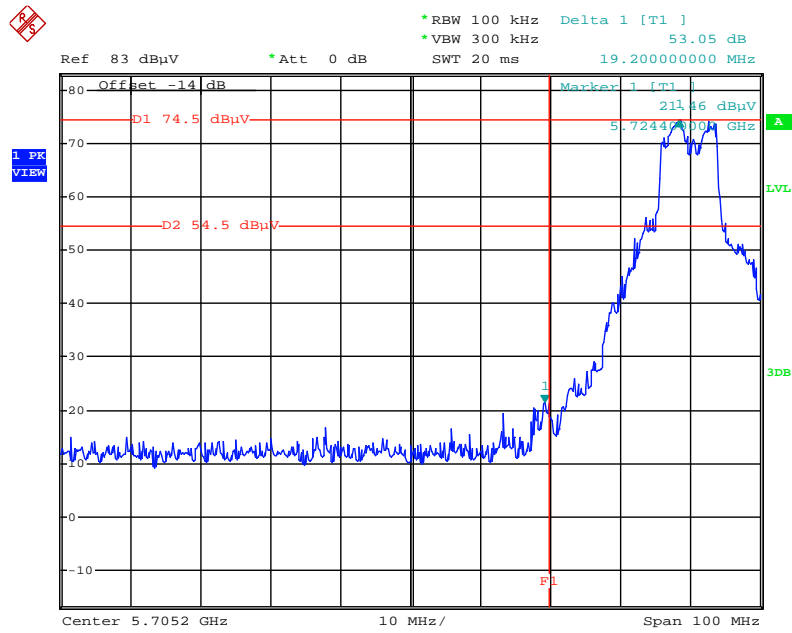
Date: 19.JUL.2012 23:34:02

Plot on Configuration IEEE 802.11a 5MHz / Chain 1 + Chain 2 + Chain 3 / 5830MHz / Mode 2



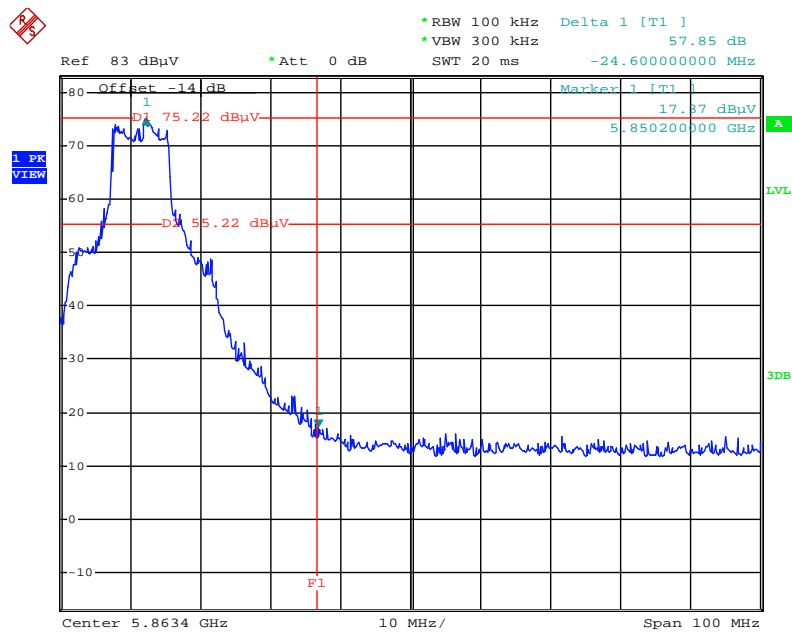
Date: 19.JUL.2012 23:37:23

Plot on Configuration IEEE 802.11a 10MHz / Chain 1 + Chain 2 + Chain 3 / 5745MHz / Mode 2



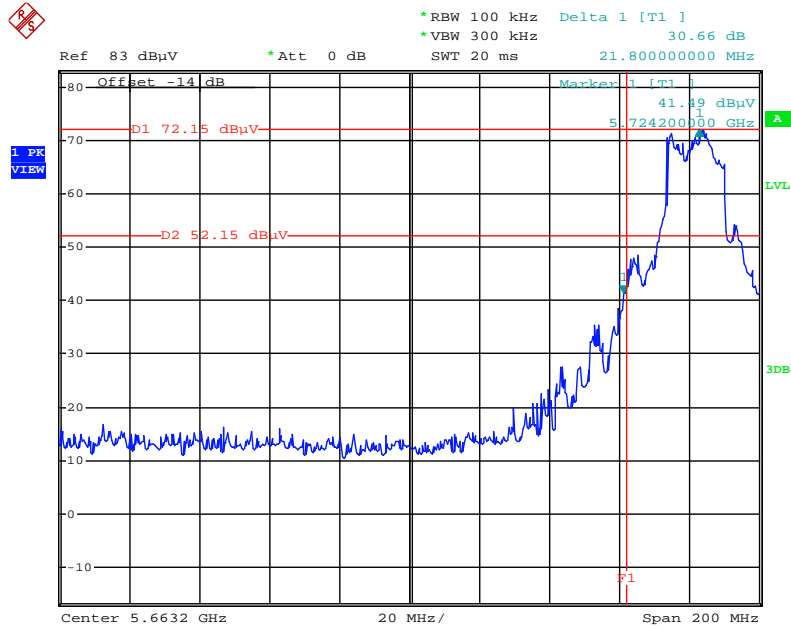
Date: 19.JUL.2012 23:43:21

Plot on Configuration IEEE 802.11a 10MHz / Chain 1 + Chain 2 + Chain 3 / 5825MHz / Mode 2



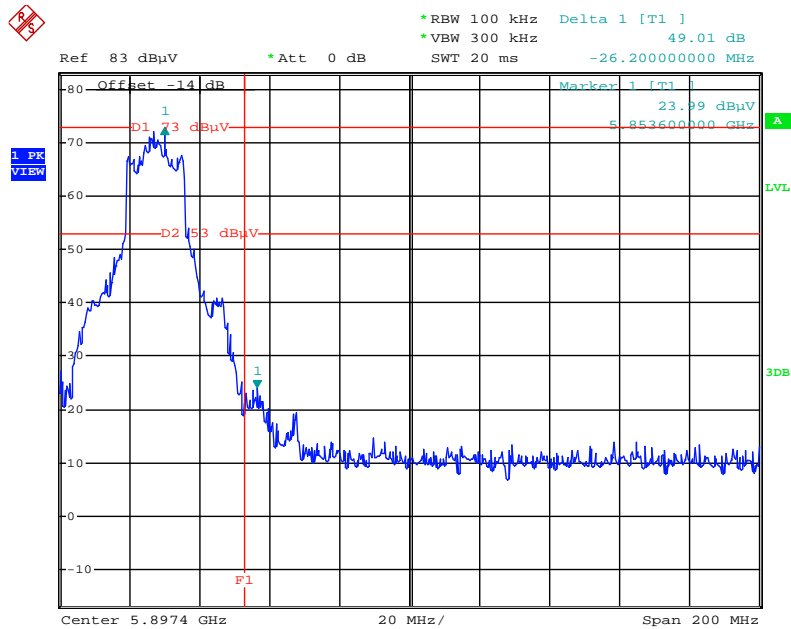
Date: 19.JUL.2012 23:39:21

Plot on Configuration IEEE 802.11a 20MHz / Chain 1 + Chain 2 + Chain 3 / 5745MHz / Mode 2



Date: 19.JUL.2012 23:54:31

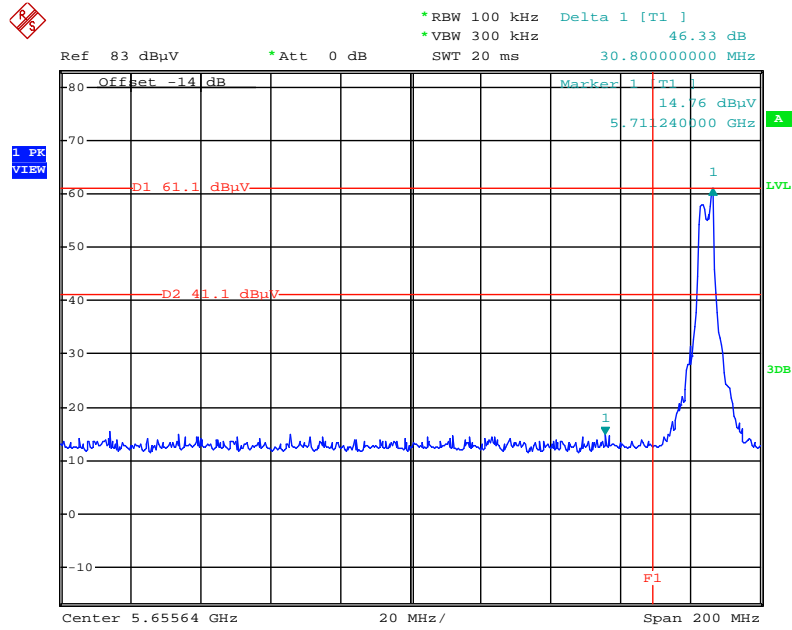
Plot on Configuration IEEE 802.11a 20MHz / Chain 1 + Chain 2 + Chain 3 / 5825MHz / Mode 2



Date: 19.JUL.2012 23:57:33

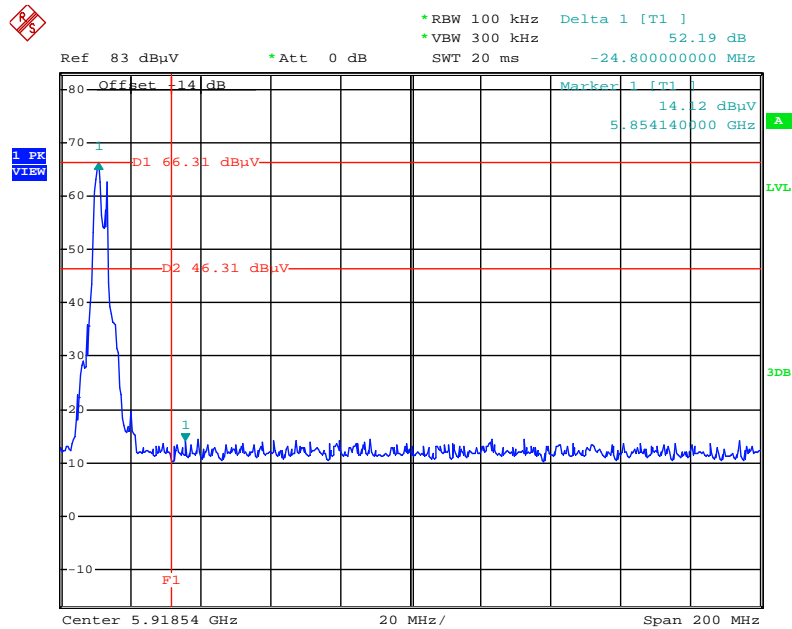


Plot on Configuration IEEE 802.11 n MCS0 5MHz / Chain 1 + Chain 2 + Chain 3 / 5740MHz / Mode 3



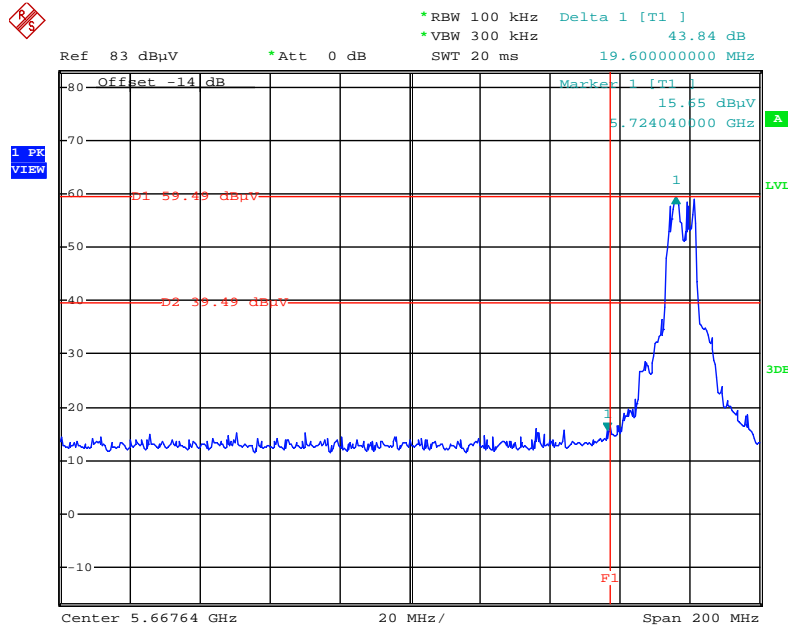
Date: 12.JUL.2012 21:08:48

Plot on Configuration IEEE 802.11n MCS0 5MHz / Chain 1 + Chain 2 + Chain 3 / 5830MHz / Mode 3



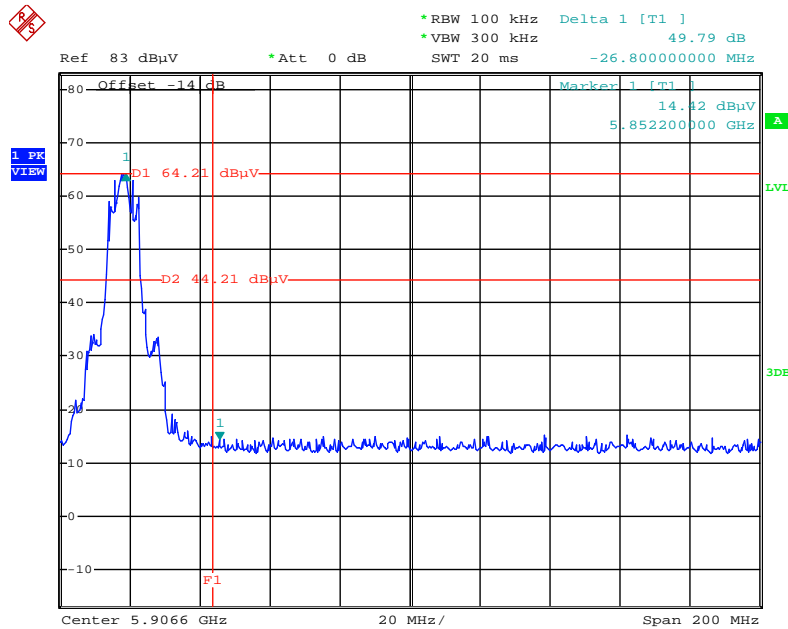
Date: 12.JUL.2012 21:13:18

Plot on Configuration IEEE 802.11n MCS0 10MHz / Chain 1 + Chain 2 + Chain 3 / 5745MHz / Mode 3



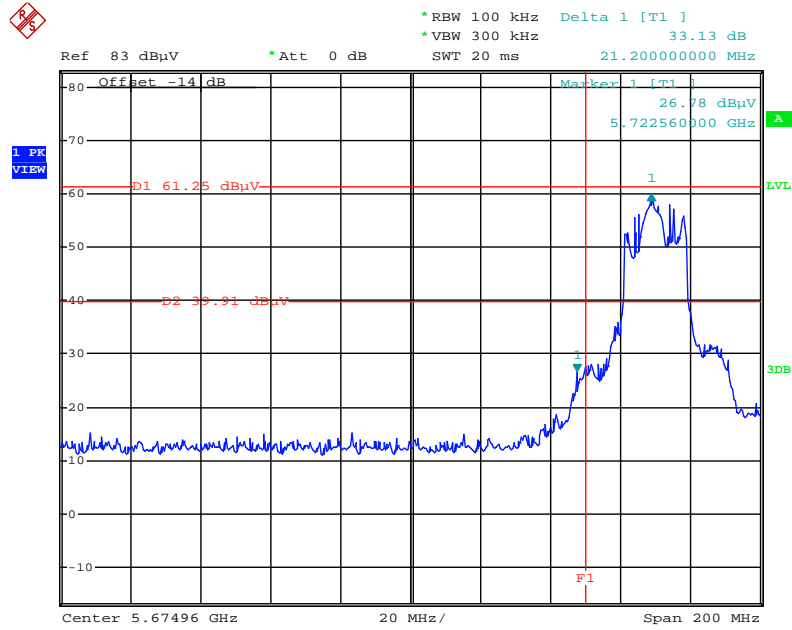
Date: 12.JUL.2012 20:38:25

Plot on Configuration IEEE 802.11n MCS0 10MHz / Chain 1 + Chain 2 + Chain 3 / 5825MHz / Mode 3



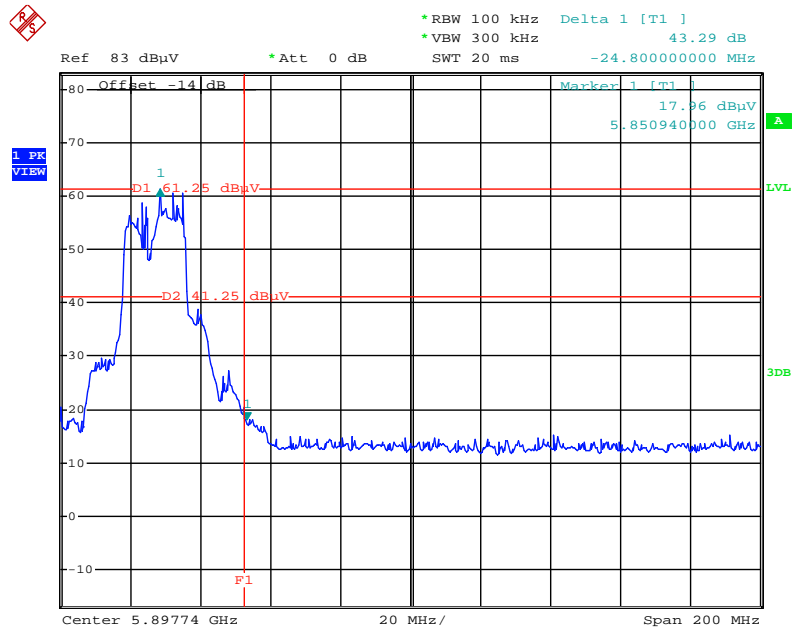
Date: 12.JUL.2012 20:28:07

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



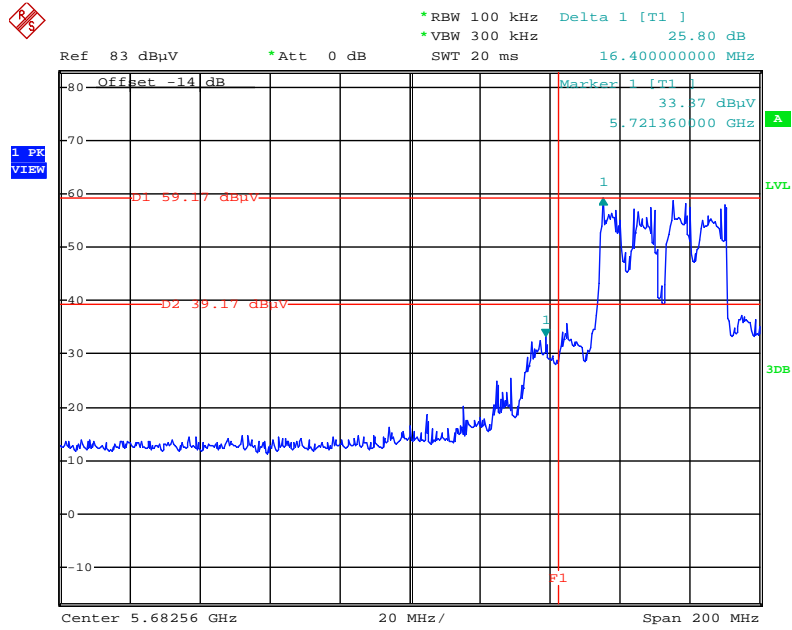
Date: 12.JUL.2012 21:26:25

Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1 + Chain 2 + Chain 3 / 5825MHz / Mode 3



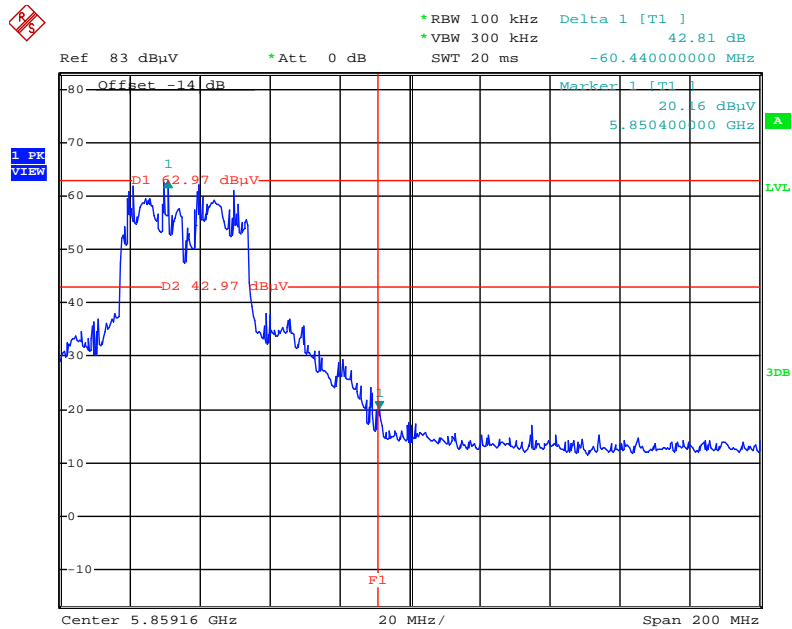
Date: 12.JUL.2012 21:19:49

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



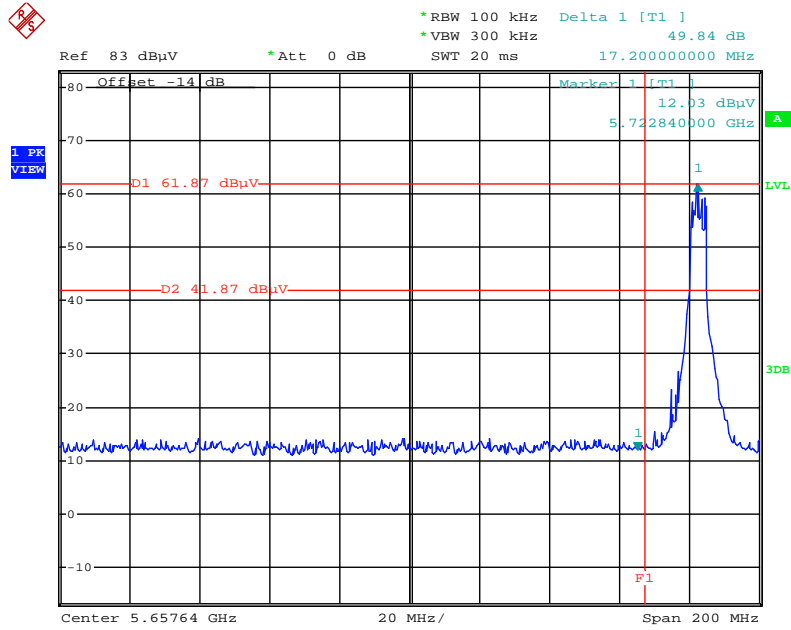
Date: 12.JUL.2012 21:34:09

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



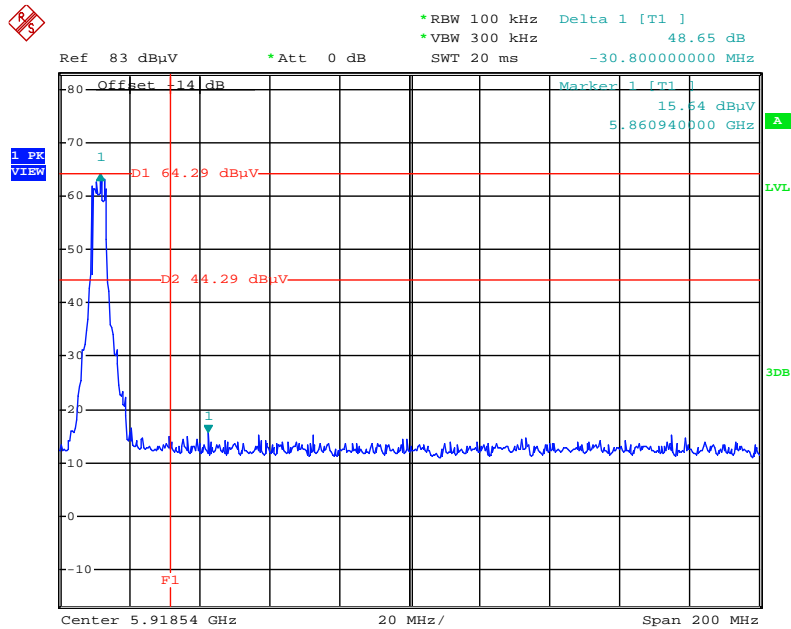
Date: 12.JUL.2012 21:37:56

Plot on Configuration IEEE 802.11a 5MHz / Chain 1 + Chain 2 + Chain 3 / 5740MHz / Mode 3



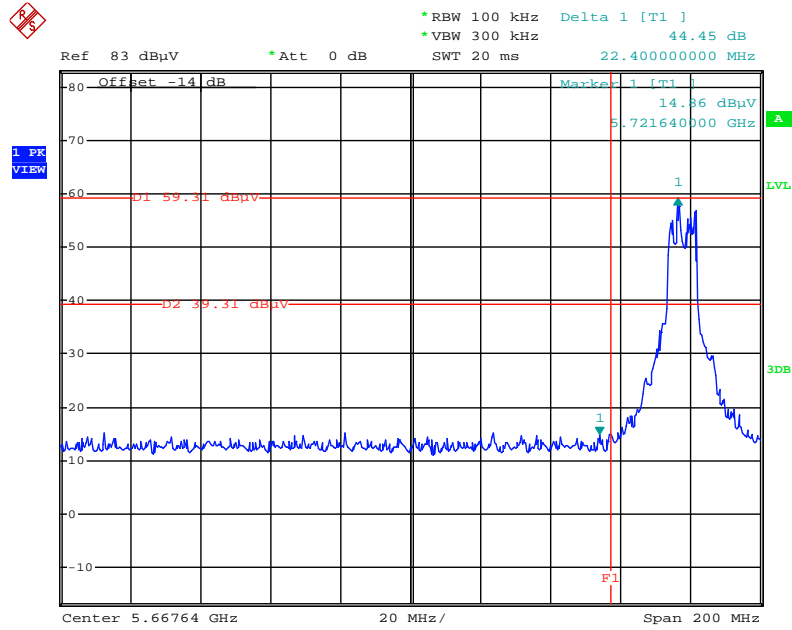
Date: 12.JUL.2012 21:06:28

Plot on Configuration IEEE 802.11a 5MHz / Chain 1 + Chain 2 + Chain 3 / 5830MHz / Mode 3

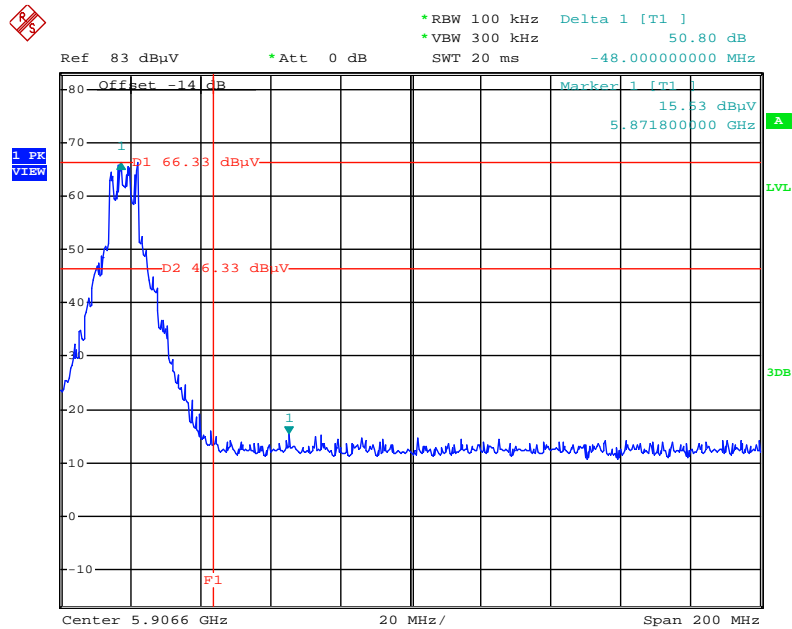


Date: 12.JUL.2012 21:14:44

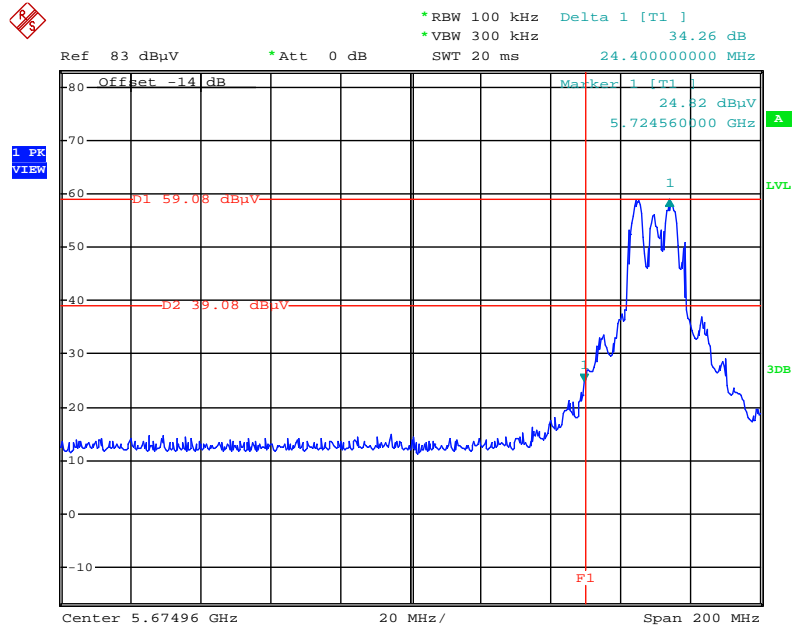
Plot on Configuration IEEE 802.11a 10MHz / Chain 1 + Chain 2 + Chain 3 / 5745MHz / Mode 3



Plot on Configuration IEEE 802.11a 10MHz / Chain 1 + Chain 2 + Chain 3 / 5825MHz / Mode 3

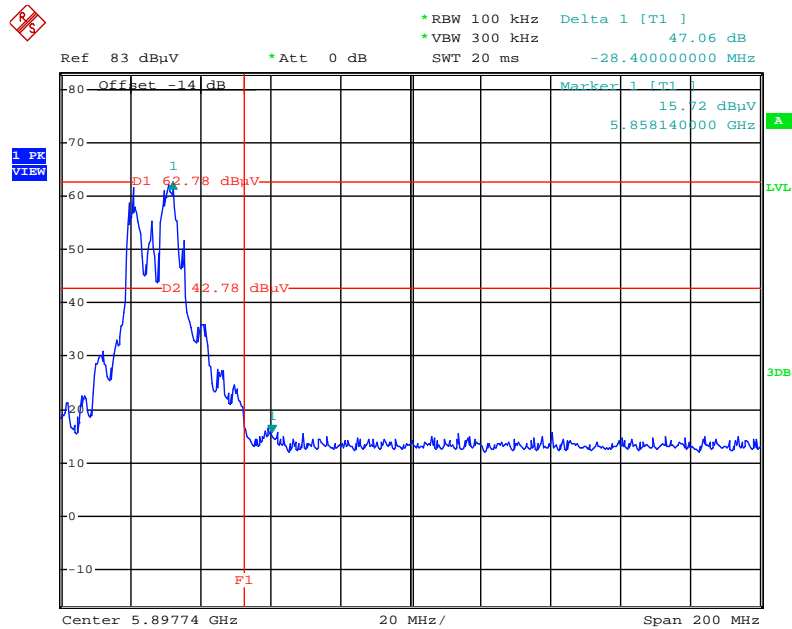


Plot on Configuration IEEE 802.11a 20MHz / Chain 1 + Chain 2 + Chain 3 / 5745MHz / Mode 3



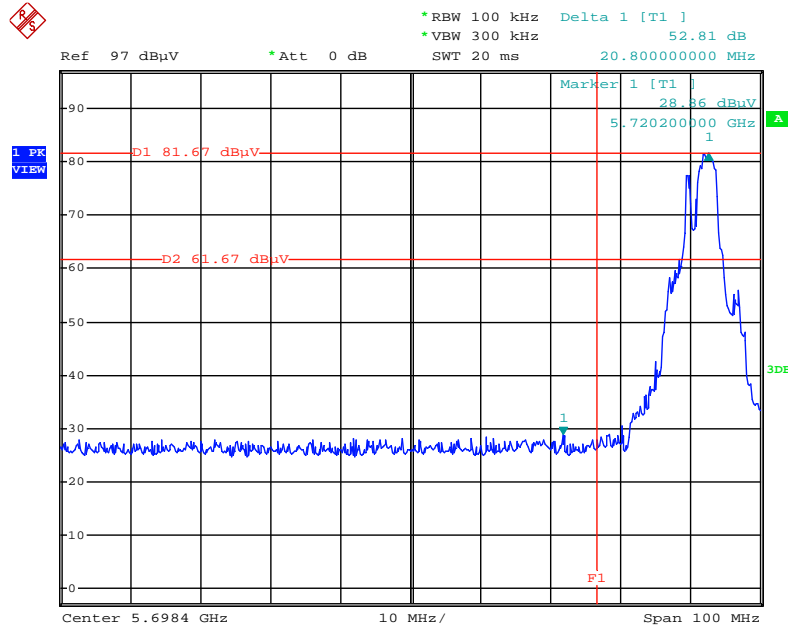
Date: 12.JUL.2012 21:28:03

Plot on Configuration IEEE 802.11a 20MHz / Chain 1 + Chain 2 + Chain 3 / 5825MHz / Mode 3



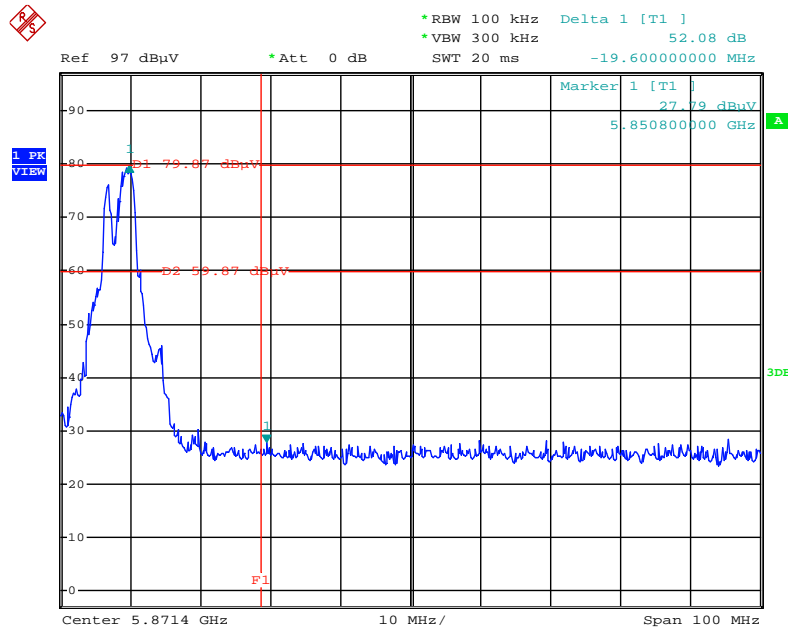
Date: 12.JUL.2012 21:18:23

Plot on Configuration IEEE 802.11 n MCS0 5MHz / Chain 1 + Chain 2 + Chain 3 / 5740MHz / Mode 4



Date: 14.JUL.2012 04:43:24

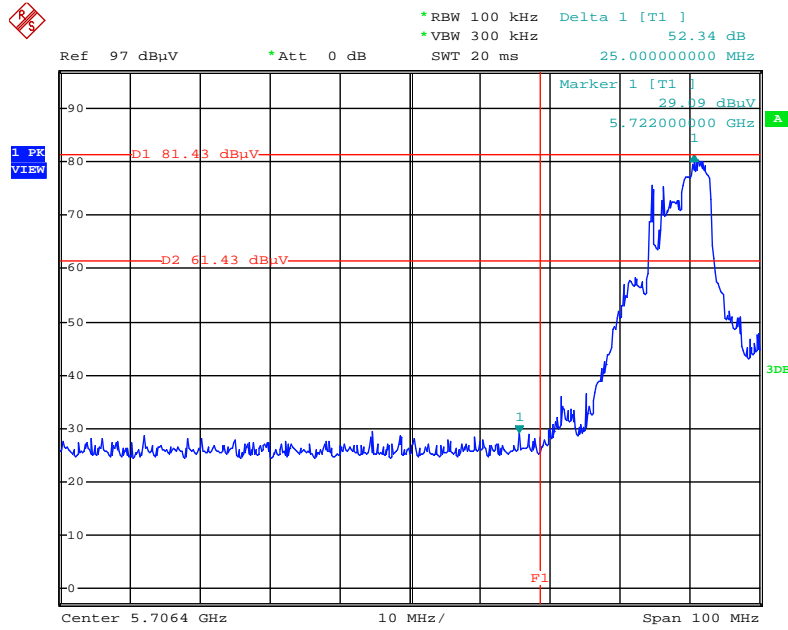
Plot on Configuration IEEE 802.11n MCS0 5MHz / Chain 1 + Chain 2 + Chain 3 / 5830MHz / Mode 4



Date: 14.JUL.2012 04:44:35

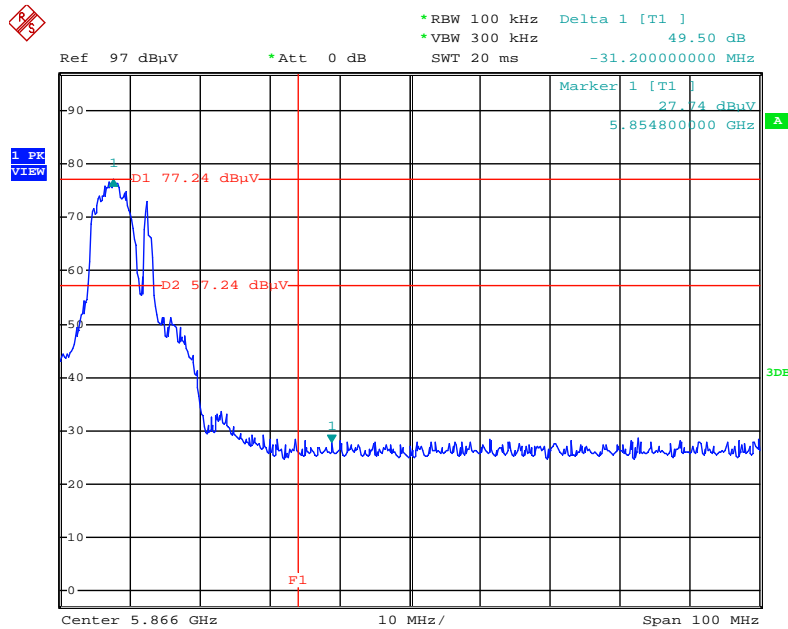


Plot on Configuration IEEE 802.11n MCS0 10MHz / Chain 1 + Chain 2 + Chain 3 / 5745MHz / Mode 4



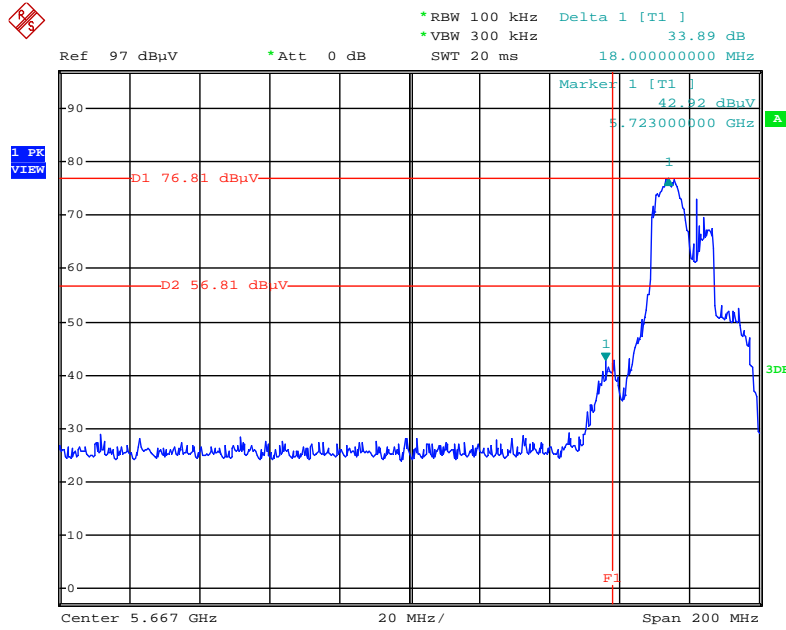
Date: 14.JUL.2012 04:41:26

Plot on Configuration IEEE 802.11n MCS0 10MHz / Chain 1 + Chain 2 + Chain 3 / 5825MHz / Mode 4



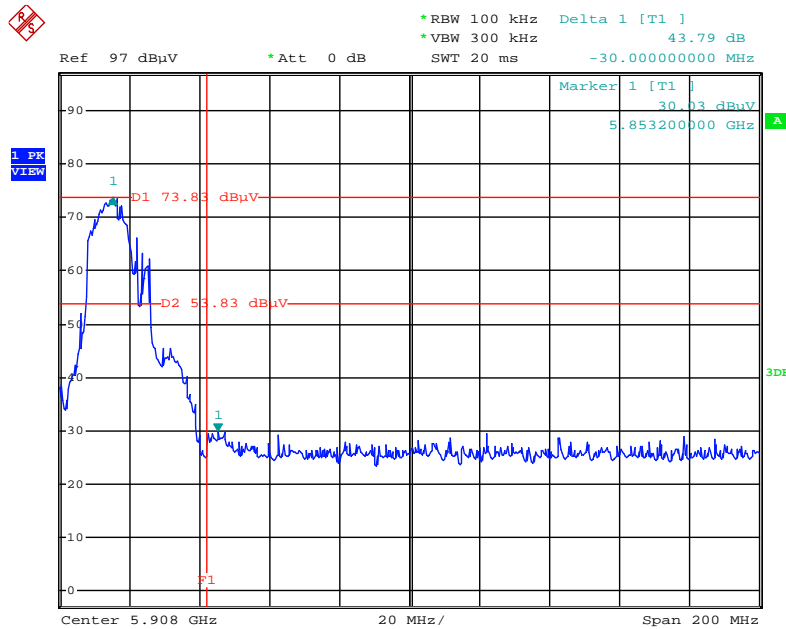
Date: 14.JUL.2012 04:39:26

Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1 + Chain 2 + Chain 3 / 5745MHz / Mode 4



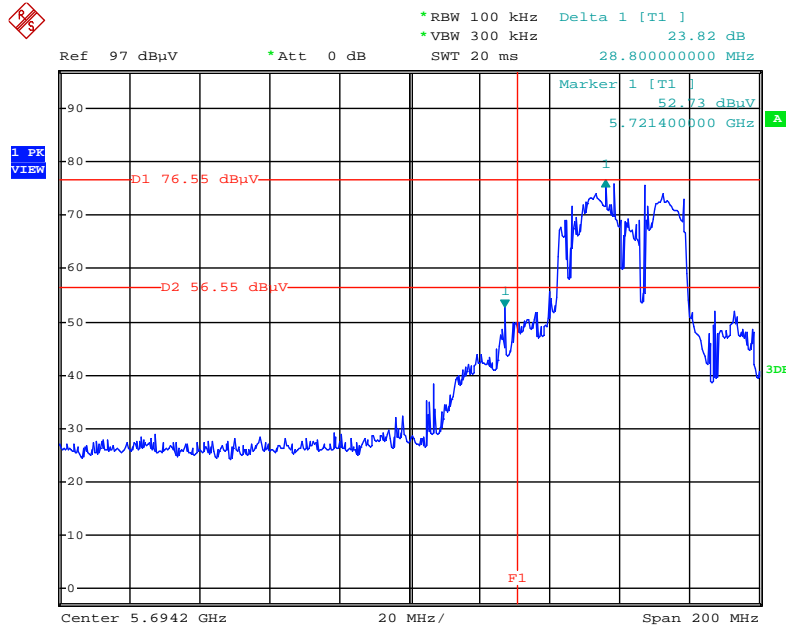
Date: 14.JUL.2012 04:31:07

Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1 + Chain 2 + Chain 3 / 5825MHz / Mode 4



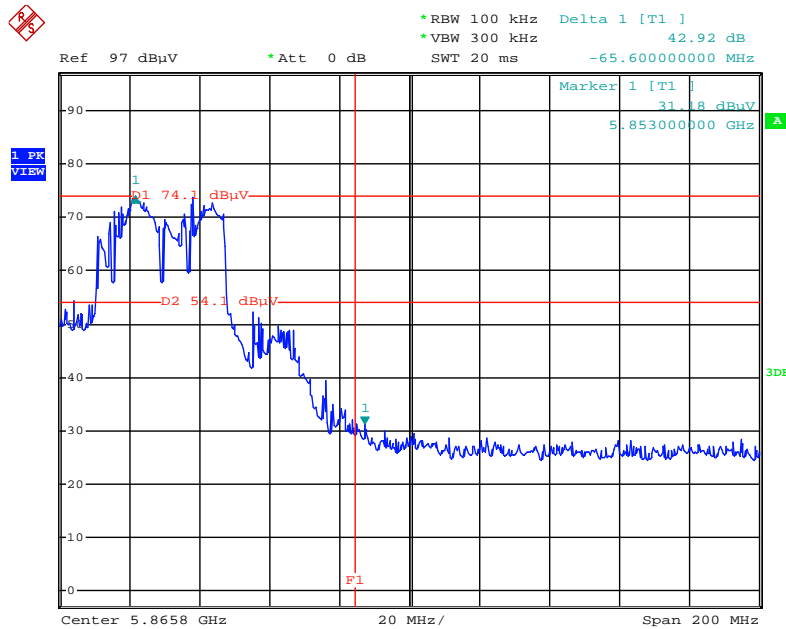
Date: 14.JUL.2012 04:29:45

Plot on Configuration IEEE 802.11n MCS0 40MHz / Chain 1 + Chain 2 + Chain 3 / 5755MHz / Mode 4



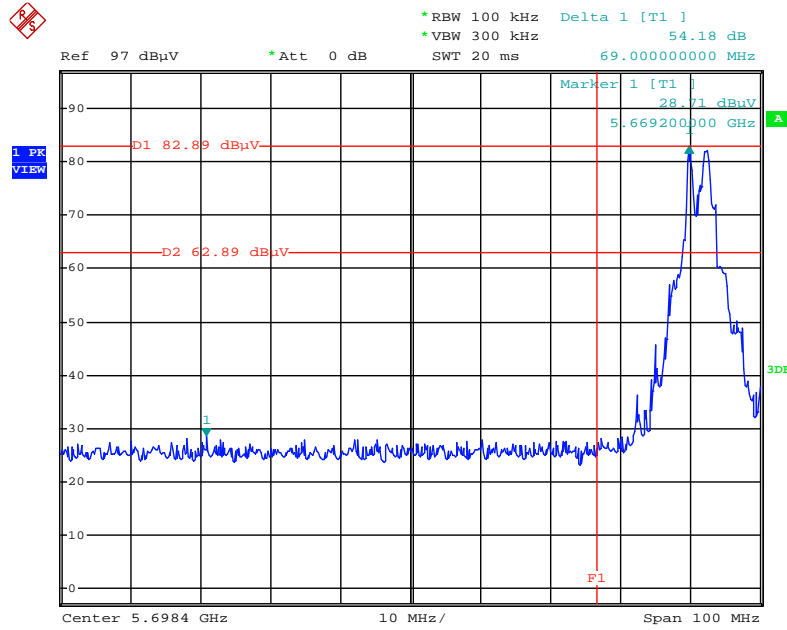
Date: 14.JUL.2012 04:32:32

Plot on Configuration IEEE 802.11n MCS0 40MHz / Chain 1 + Chain 2 + Chain 3 / 5795MHz / Mode 4



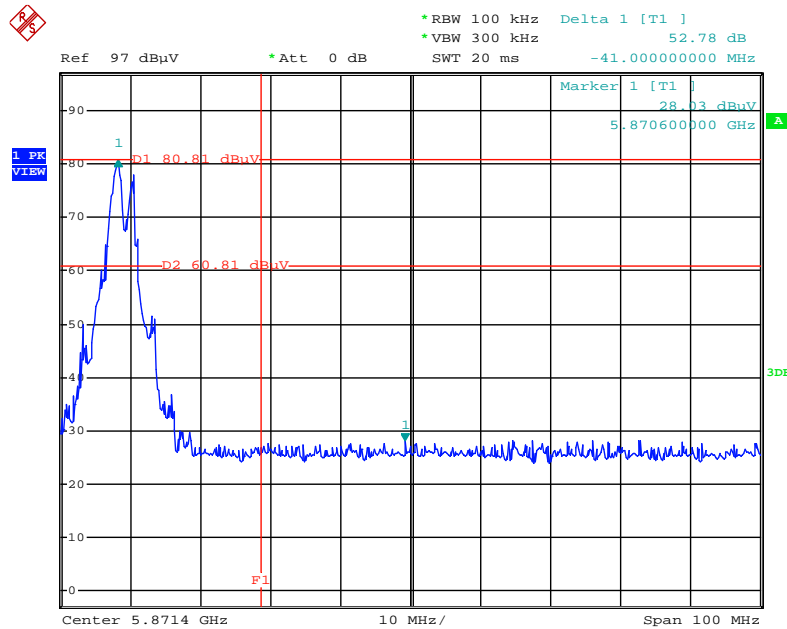
Date: 14.JUL.2012 04:33:43

Plot on Configuration IEEE 802.11a 5MHz / Chain 1 + Chain 2 + Chain 3 / 5740MHz / Mode 4



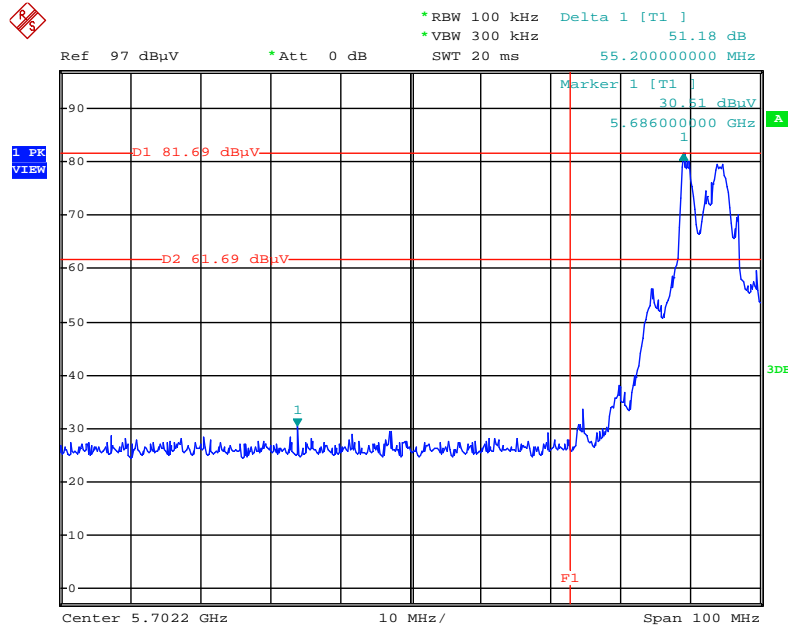
Date: 14.JUL.2012 04:46:49

Plot on Configuration IEEE 802.11a 5MHz / Chain 1 + Chain 2 + Chain 3 / 5830MHz / Mode 4



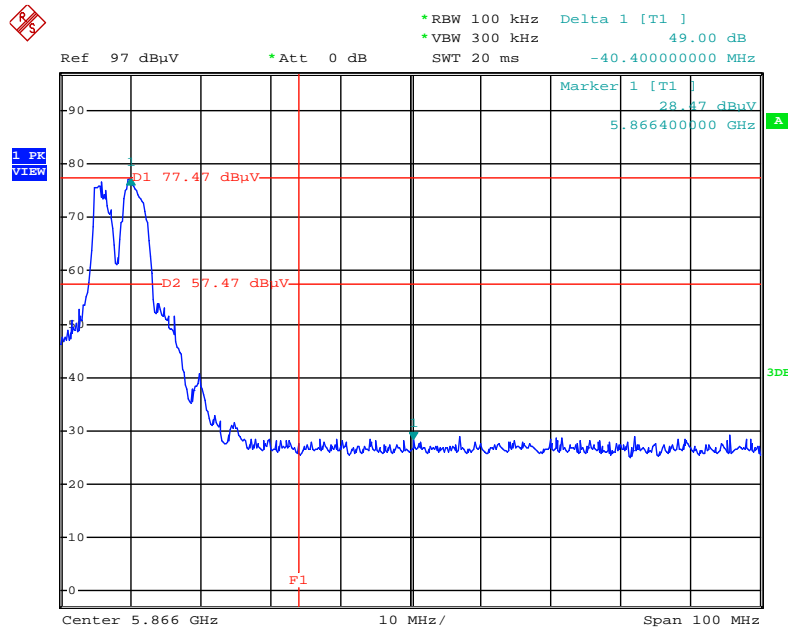
Date: 14.JUL.2012 04:45:37

Plot on Configuration IEEE 802.11a 10MHz / Chain 1 + Chain 2 + Chain 3 / 5745MHz / Mode 4



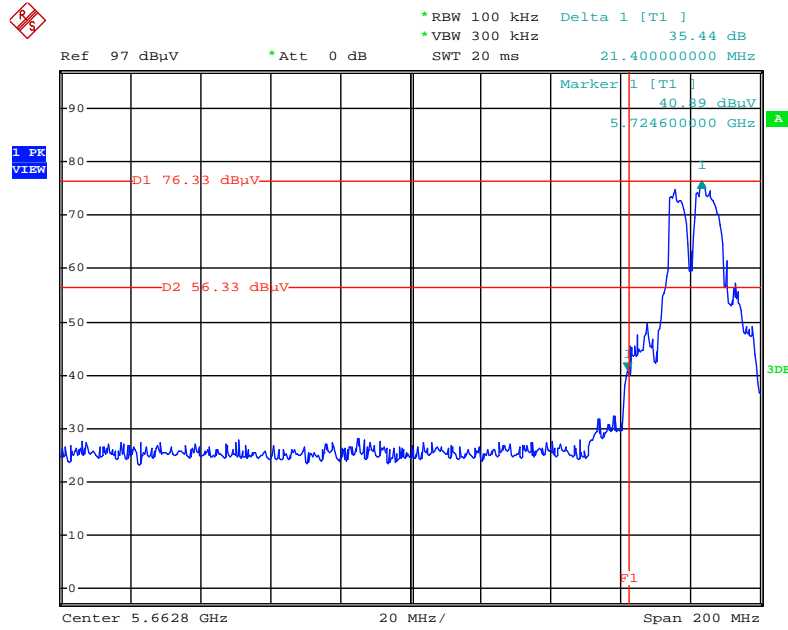
Date: 14.JUL.2012 04:36:51

Plot on Configuration IEEE 802.11a 10MHz / Chain 1 + Chain 2 + Chain 3 / 5825MHz / Mode 4



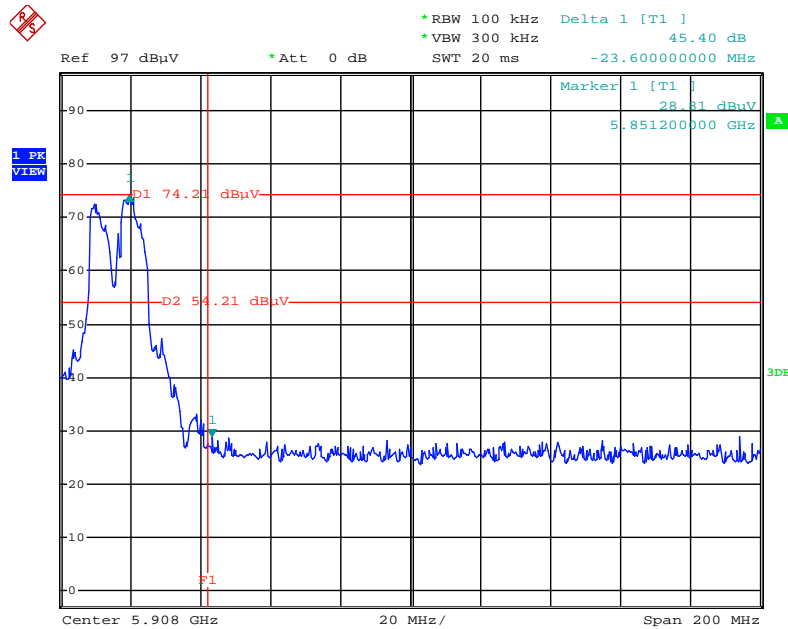
Date: 14.JUL.2012 04:38:16

Plot on Configuration IEEE 802.11a 20MHz / Chain 1 + Chain 2 + Chain 3 / 5745MHz / Mode 4



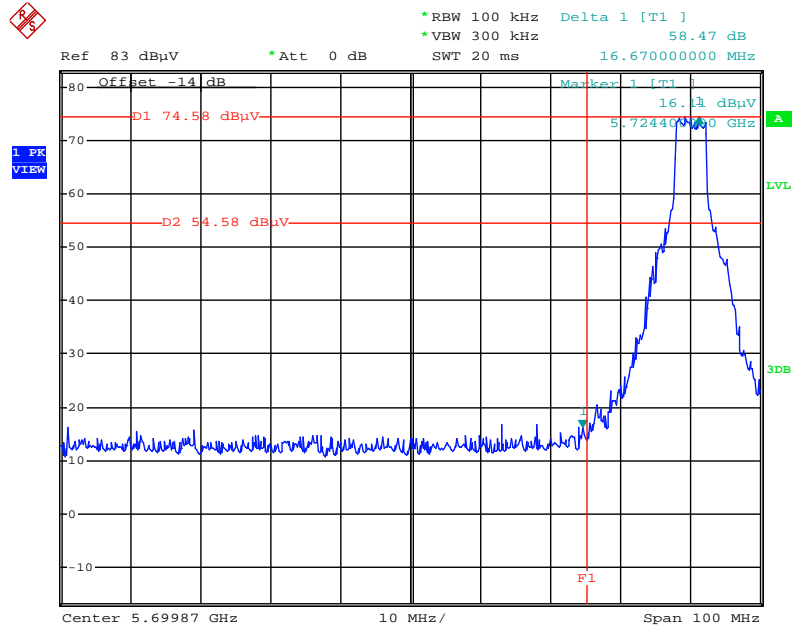
Date: 14.JUL.2012 04:26:13

Plot on Configuration IEEE 802.11a 20MHz / Chain 1 + Chain 2 + Chain 3 / 5825MHz / Mode 4



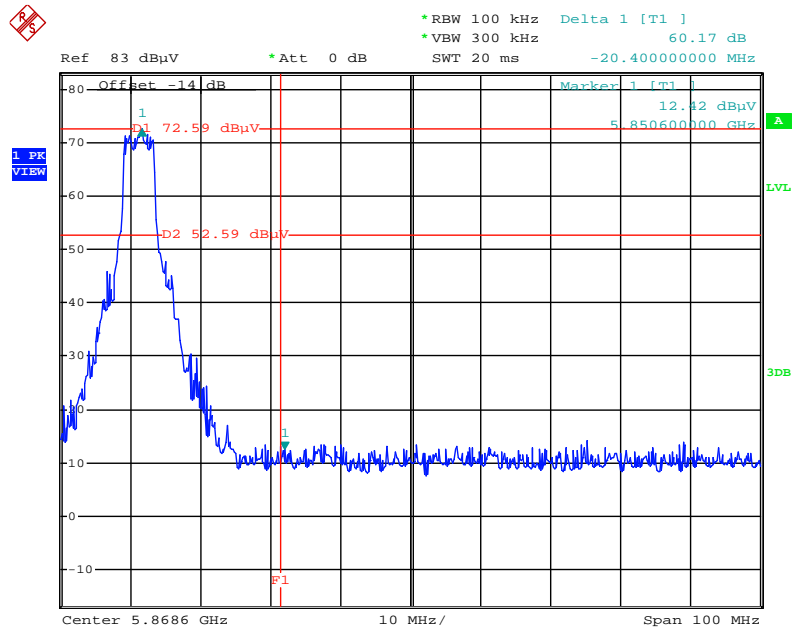
Date: 14.JUL.2012 04:28:27

Plot on Configuration IEEE 802.11 n MCS0 5MHz / Chain 1 + Chain 3 / 5740MHz / Mode 5



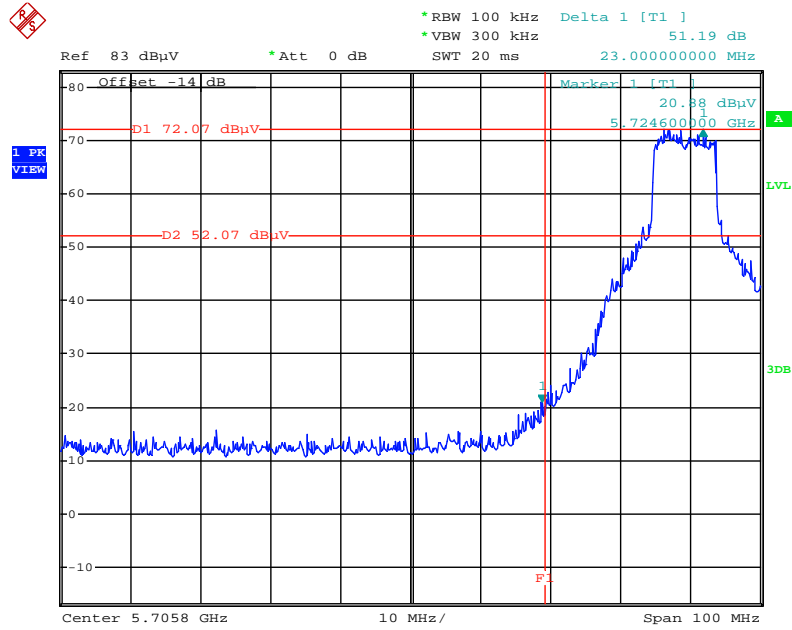
Date: 18.JUL.2012 23:37:44

Plot on Configuration IEEE 802.11n MCS0 5MHz / Chain 1 + Chain 3 / 5830MHz / Mode 5



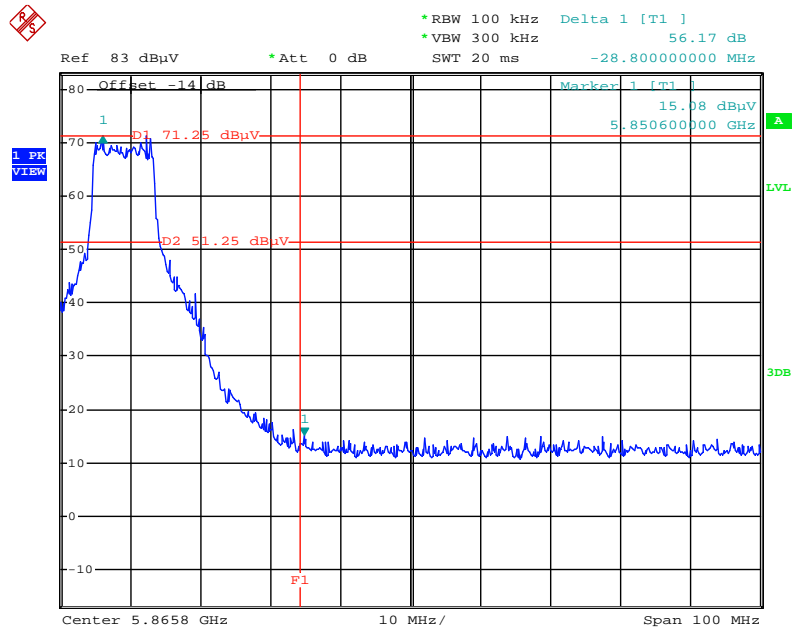
Date: 18.JUL.2012 23:40:18

Plot on Configuration IEEE 802.11 n MCS0 10MHz / Chain 1 + Chain 3 / 5745MHz / Mode 5



Date: 18.JUL.2012 23:50:07

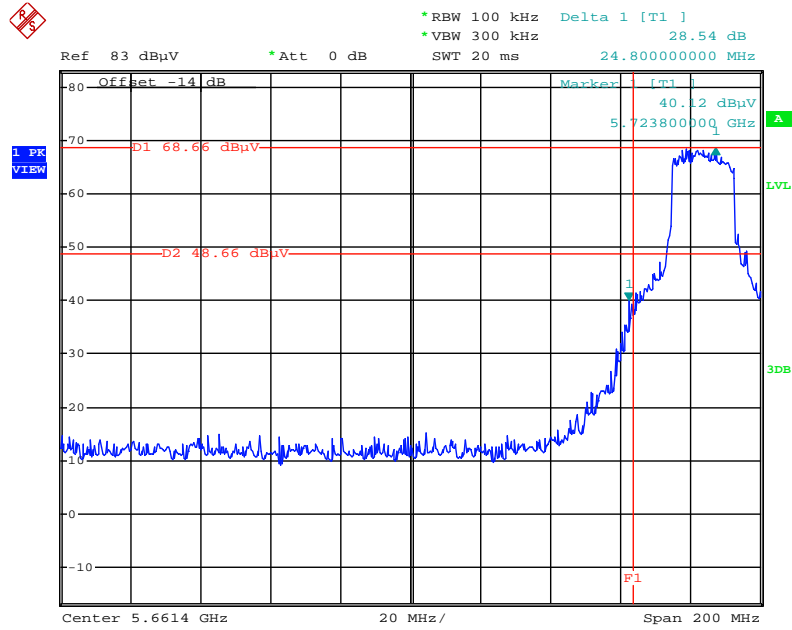
Plot on Configuration IEEE 802.11n MCS0 10MHz / Chain 1 + Chain 3 / 5825MHz / Mode 5



Date: 18.JUL.2012 23:48:07

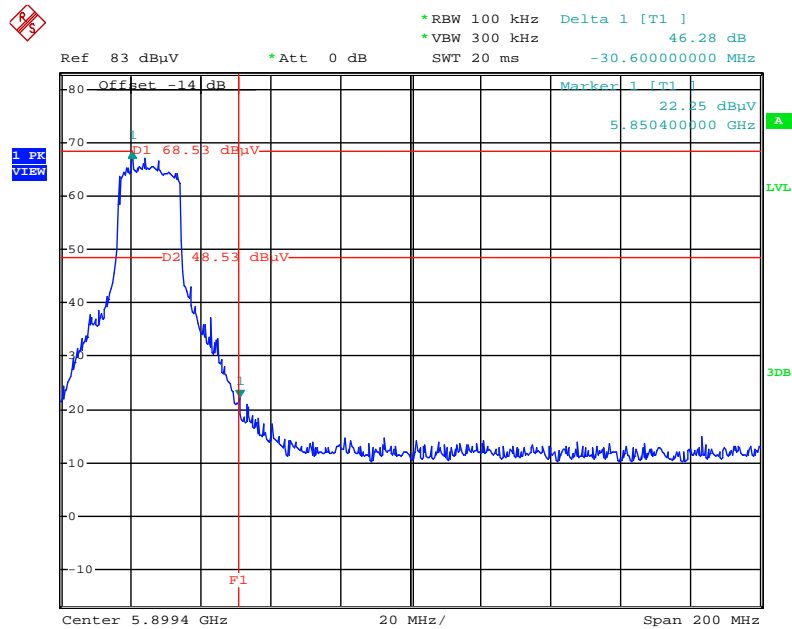


Plot on Configuration IEEE 802.11 n MCS0 20MHz / Chain 1 + Chain 3 / 5745MHz / Mode 5



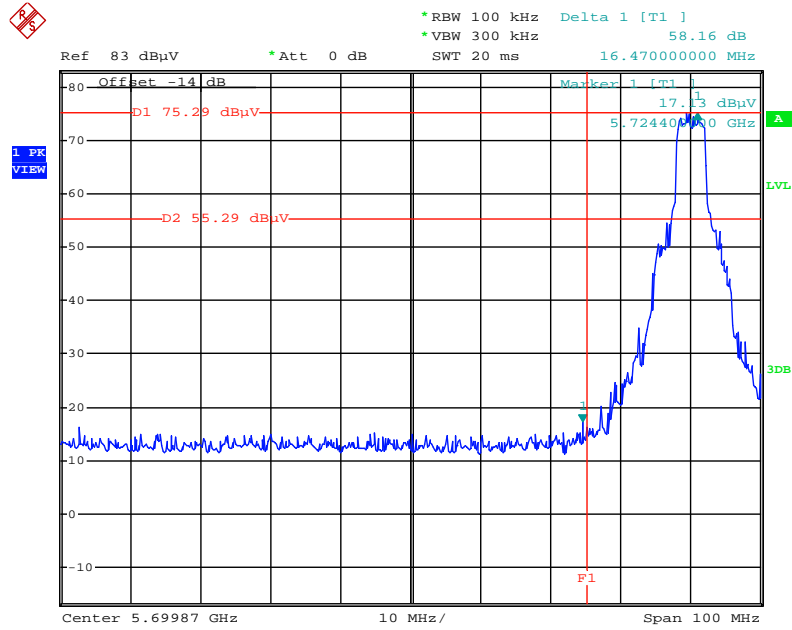
Date: 18.JUL.2012 23:53:39

Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1 + Chain 3 / 5825MHz / Mode 5



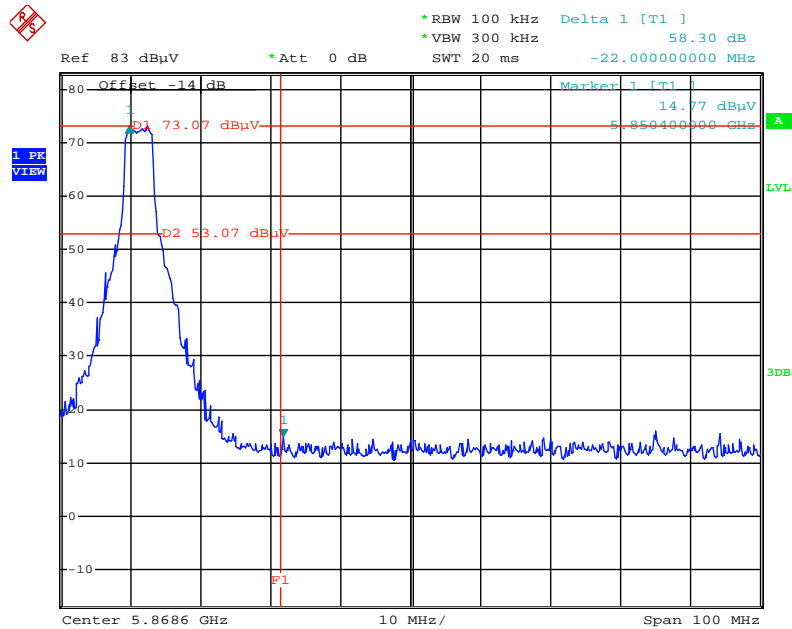
Date: 18.JUL.2012 23:55:17

Plot on Configuration IEEE 802.11a 5MHz / Chain 1 + Chain 3 / 5740MHz / Mode 5



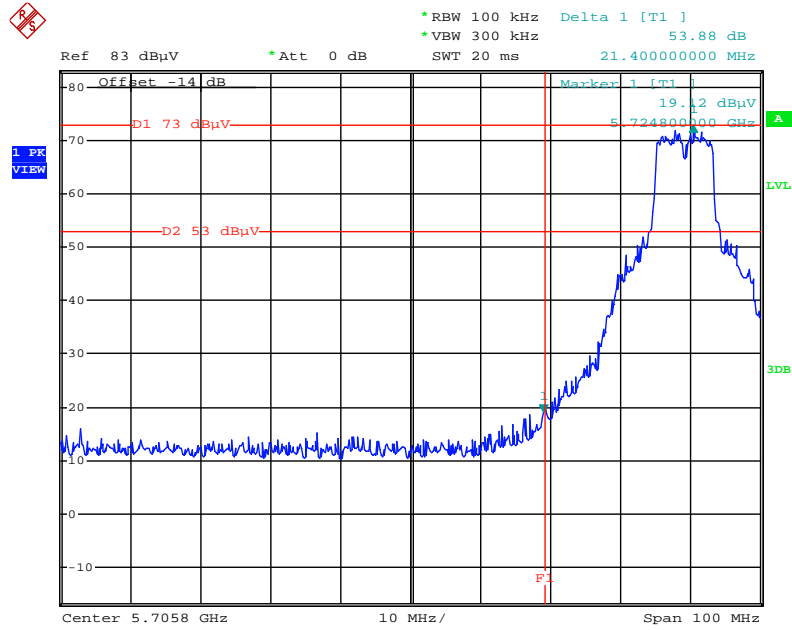
Date: 18.JUL.2012 23:36:27

Plot on Configuration IEEE 802.11a 5MHz / Chain 1 + Chain 3 / 5830MHz / Mode 5



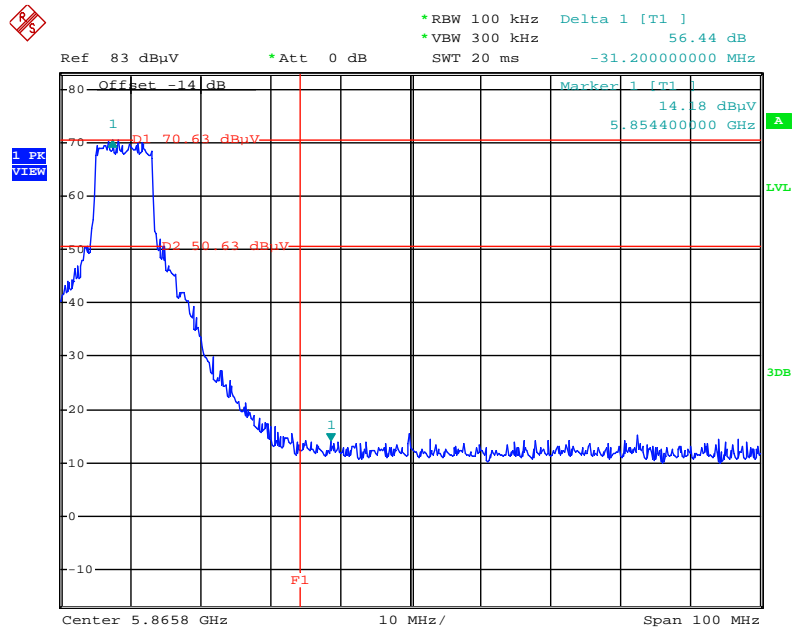
Date: 18.JUL.2012 23:44:17

Plot on Configuration IEEE 802.11a 10MHz / Chain 1 + Chain 3 / 5745MHz / Mode 5



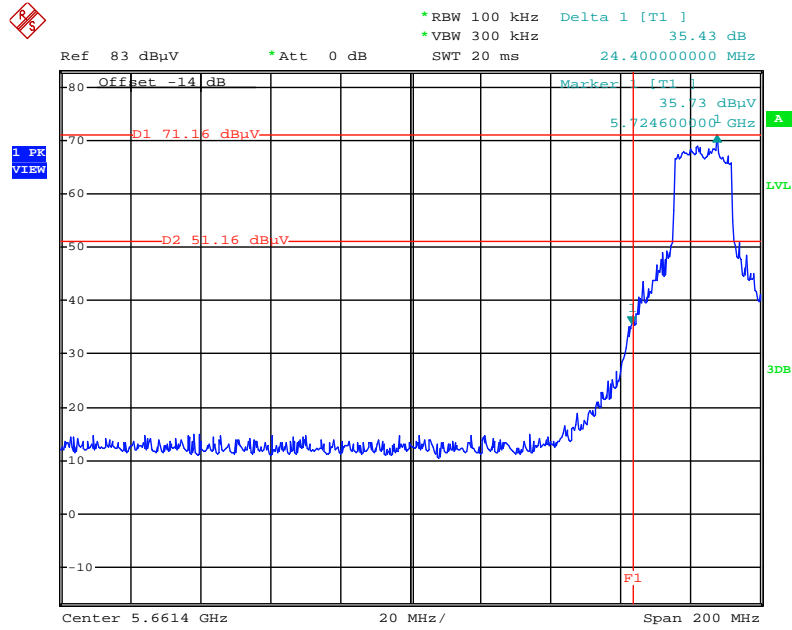
Date: 18.JUL.2012 23:51:08

Plot on Configuration IEEE 802.11a 10MHz / Chain 1 + Chain 3 / 5825MHz / Mode 5



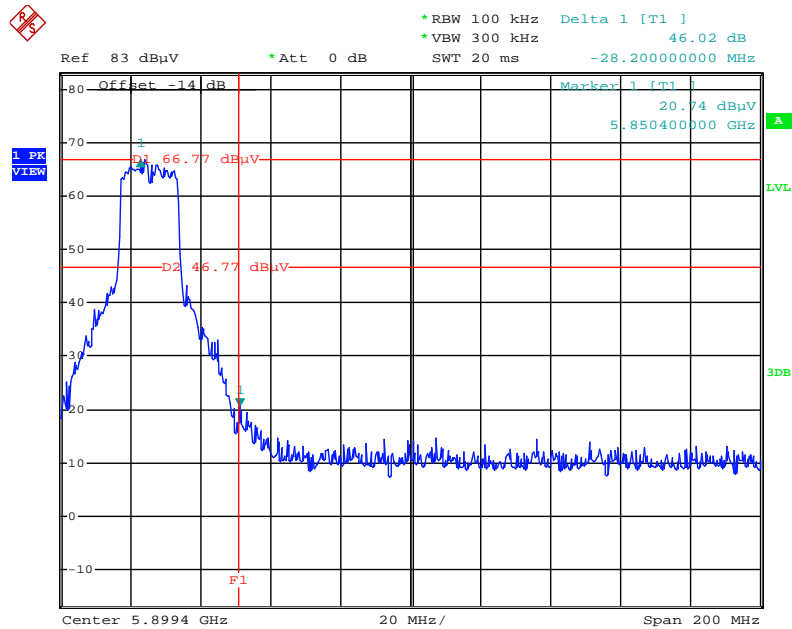
Date: 18.JUL.2012 23:46:43

Plot on Configuration IEEE 802.11a 20MHz / Chain 1 + Chain 3 / 5745MHz / Mode 5



Date: 18.JUL.2012 23:52:52

Plot on Configuration IEEE 802.11a 20MHz / Chain 1 + Chain 3 / 5825MHz / Mode 5



Date: 18.JUL.2012 23:56:13

## 4.8. Antenna Requirements

### 4.8.1. 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.

### 4.8.2. 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	Jun. 22, 2012	Conduction (CO01-CB)
PULSE LIMITER	R&S	ESH3-Z2	100430	9K-30MHz	Feb. 03, 2012	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	8449B	3008A02310	1GHz ~ 26.5GHz	Nov. 29, 2011	Radiation (03CH01-CB)
Pre-Amplifier	WM	TF-130N-R1	923365	26.5GHz ~ 40GHz	Jul. 31, 2012	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	Jun. 05, 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)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
RF Power Splitter	Anaren	42100	17930	2GHz ~ 18GHz	N/A	Conducted (TH01-CB)
Signal generator	R&S	SMU200A	102782	10MHz-40GHz	Jun. 07, 2012	Conducted (TH01-CB)
Horn Antenna	COM-POWER	AH-118	071187	1GHz – 18GHz	May 09, 2012	Conducted (TH01-CB)
Horn Antenna	COM-POWER	AH-118	071042	1GHz – 18GHz	Nov. 01, 2011	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)
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 <sup>nd</sup> 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**

<b>Accreditation Criteria</b>	: ISO/IEC 17025:2005
<b>Accreditation Number</b>	: 1190
<b>Originally Accredited</b>	: December 15, 2003
<b>Effective Period</b>	: January 10, 2010 to January 09, 2013
<b>Accredited Scope</b>	: Testing Field, see described in the Appendix
<b>Specific Accreditation Program</b>	: 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