



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 13 2472MHz		4944	39.32	-34.68	74	55.88	31.62	9.81	57.99	150	285	P	H
		7416	53.69	-20.31	74	62.45	36.71	12.13	57.6	160	360	P	H
		7416	49.1	-4.9	54	57.86	36.71	12.13	57.6	160	360	A	H
		4944	38.55	-35.45	74	55.11	31.62	9.81	57.99	150	285	P	V
		7416	48.01	-25.99	74	56.77	36.71	12.13	57.6	160	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz
WIFI 802.11g (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 01 2412MHz		2389.695	63.62	-10.38	74	61.21	27.09	6.6	31.28	176	203	P	H
		2389.905	52.81	-1.19	54	50.4	27.09	6.6	31.28	176	203	A	H
	*	2412	107.83	-	-	105.35	27.14	6.6	31.26	176	203	P	H
	*	2412	100.45	-	-	97.97	27.14	6.6	31.26	176	203	A	H
		2389.38	61.02	-12.98	74	58.61	27.09	6.6	31.28	126	132	P	V
		2389.905	48.17	-5.83	54	45.76	27.09	6.6	31.28	126	132	A	V
	*	2412	104.54	-	-	102.06	27.14	6.6	31.26	126	132	P	V
	*	2412	96.72	-	-	94.24	27.14	6.6	31.26	126	132	A	V
802.11g CH 06 2437MHz		2389.52	51.32	-22.68	74	48.91	27.09	6.6	31.28	196	208	P	H
		2389.8	39.73	-14.27	54	37.32	27.09	6.6	31.28	196	208	A	H
	*	2437	110.13	-	-	107.52	27.24	6.63	31.26	196	208	P	H
	*	2437	102.53	-	-	99.92	27.24	6.63	31.26	196	208	A	H
		2493	48.75	-25.25	74	45.82	27.4	6.73	31.2	196	208	P	H
		2483.9	39.25	-14.75	54	36.42	27.35	6.7	31.22	196	208	A	H
		2386.58	49.78	-24.22	74	47.4	27.09	6.57	31.28	300	188	P	V
		2389.24	39.68	-14.32	54	37.27	27.09	6.6	31.28	300	188	A	V
	*	2437	108.72	-	-	106.11	27.24	6.63	31.26	300	188	P	V
	*	2437	101.14	-	-	98.53	27.24	6.63	31.26	300	188	A	V
		2484.32	48.83	-25.17	74	46	27.35	6.7	31.22	300	188	P	V
		2484.88	39.3	-14.7	54	36.47	27.35	6.7	31.22	300	188	A	V



802.11g CH 11 2462MHz	*	2462	107.89	-	-	105.16	27.3	6.67	31.24	190	202	P	H
	*	2462	100.71	-	-	97.98	27.3	6.67	31.24	190	202	A	H
		2484.2	65.31	-8.69	74	62.48	27.35	6.7	31.22	190	202	P	H
		2483.56	53.19	-0.81	54	50.36	27.35	6.7	31.22	190	202	A	H
	*	2462	106.72	-	-	103.99	27.3	6.67	31.24	300	188	P	V
	*	2462	99.53	-	-	96.8	27.3	6.67	31.24	300	188	A	V
		2484.28	64.88	-9.12	74	62.05	27.35	6.7	31.22	300	188	P	V
		2483.52	52.96	-1.04	54	50.13	27.35	6.7	31.22	300	188	A	V
802.11g CH 12 2467MHz	*	2467	102.99	-	-	100.21	27.3	6.7	31.22	190	202	P	H
	*	2467	95.8	-	-	93.02	27.3	6.7	31.22	190	202	A	H
		2483.68	66.25	-7.75	74	63.42	27.35	6.7	31.22	190	202	P	H
		2483.64	53.21	-0.79	54	50.38	27.35	6.7	31.22	190	202	A	H
	*	2467	102.28	-	-	99.5	27.3	6.7	31.22	300	188	P	V
	*	2467	94.64	-	-	91.86	27.3	6.7	31.22	300	188	A	V
		2483.8	64.86	-9.14	74	62.03	27.35	6.7	31.22	300	188	P	V
		2483.6	52	-2	54	49.17	27.35	6.7	31.22	300	188	A	V
802.11g CH 13 2472MHz	*	2472	102.78	-	-	99.95	27.35	6.7	31.22	223	246	P	H
	*	2472	95.37	-	-	92.54	27.35	6.7	31.22	223	246	A	H
		2483.6	64.63	-9.37	74	61.8	27.35	6.7	31.22	223	246	P	H
		2483.52	53.48	-0.52	54	50.65	27.35	6.7	31.22	223	246	A	H
	*	2472	100.91	-	-	98.08	27.35	6.7	31.22	300	188	P	V
	*	2472	93.58	-	-	90.75	27.35	6.7	31.22	300	188	A	V
		2484.2	65.33	-8.67	74	62.5	27.35	6.7	31.22	300	188	P	V
		2483.52	52.36	-1.64	54	49.53	27.35	6.7	31.22	300	188	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz
WIFI 802.11g (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 01 2412MHz		4824	50.51	-23.49	74	67.63	31.42	9.65	58.19	185	255	P	H
		4824	42.24	-11.76	54	59.36	31.42	9.65	58.19	185	255	A	H
		4824	44.48	-29.52	74	61.6	31.42	9.65	58.19	185	255	P	V
802.11g CH 06 2437MHz		4874	47.25	-26.75	74	64.13	31.51	9.71	58.1	165	106	P	H
		7311	56.8	-17.2	74	66.35	36.36	12.01	57.92	98	178	P	H
		7311	49.8	-4.2	54	59.35	36.36	12.01	57.92	98	178	A	H
		4874	47.25	-26.75	74	64.13	31.51	9.71	58.1	165	106	P	V
		7311	52.41	-21.59	74	61.96	36.36	12.01	57.92	174	100	P	V
		7311	44.8	-9.2	54	54.35	36.36	12.01	57.92	174	100	A	V
802.11g CH 11 2462MHz		4924	52.45	-21.55	74	72.61	32	5.86	58.02	124	22	P	H
		4924	48.71	-5.29	54	68.87	32	5.86	58.02	124	22	A	H
		7386	51.7	-22.3	74	64.94	37.21	7.2	57.65	316	272	P	H
		7386	46.78	-7.22	54	60.02	37.21	7.2	57.65	316	272	A	H
		4924	51.21	-22.79	74	71.37	32	5.86	58.02	124	349	P	V
		4924	48.58	-5.42	54	68.74	32	5.86	58.02	124	349	A	V
		7386	50.59	-23.41	74	63.83	37.21	7.2	57.65	101	340	P	V
		7386	46.4	-7.6	54	59.64	37.21	7.2	57.65	101	340	A	V
802.11g CH 12 2467MHz		4934	46.94	-27.06	74	67.1	32	5.86	58.02	118	23	P	H
		7401	48.59	-25.41	74	61.72	37.27	7.2	57.6	324	255	P	H
		4934	45.26	-28.74	74	65.42	32	5.86	58.02	152	316	P	V
		7401	47.21	-26.79	74	60.34	37.27	7.2	57.6	122	336	P	V
802.11g CH 13 2472MHz		4944	42.75	-31.25	74	62.84	32.04	5.86	57.99	293	222	P	H
		7416	47.02	-26.98	74	60.18	37.27	7.17	57.6	249	91	P	H
		4944	41.08	-32.92	74	61.17	32.04	5.86	57.99	163	285	P	V
		7416	46.62	-7.38	54	59.78	37.27	7.17	57.6	145	188	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 01 2412MHz		2388.96	67.59	-6.41	74	64.66	27.7	4.78	29.55	134	354	P	H
		2389.905	52.82	-1.18	54	49.9	27.7	4.78	29.56	134	354	P	H
	*	2412	106.1	-	-	103.19	27.69	4.78	29.56	134	354	P	H
	*	2412	98.62	-	-	95.71	27.69	4.78	29.56	134	354	A	H
		2388.75	67.91	-6.09	74	64.98	27.7	4.78	29.55	188	118	P	V
		2389.8	52.99	-1.01	54	50.07	27.7	4.78	29.56	188	118	A	V
	*	2412	104.74	-	-	101.83	27.69	4.78	29.56	188	118	P	V
	*	2412	97.26	-	-	94.35	27.69	4.78	29.56	188	118	A	V
802.11n HT20 CH 06 2437MHz		2388.82	50.66	-23.34	74	48.25	27.09	6.6	31.28	223	246	P	H
		2385.88	40.63	-13.37	54	38.25	27.09	6.57	31.28	223	246	A	H
	*	2437	111.17	-	-	108.56	27.24	6.63	31.26	223	246	P	H
	*	2437	103.8	-	-	101.19	27.24	6.63	31.26	223	246	A	H
		2483.97	50.8	-23.2	74	47.97	27.35	6.7	31.22	223	246	P	H
		2483.62	40.48	-13.52	54	37.65	27.35	6.7	31.22	223	246	A	H
		2387.98	50.07	-23.93	74	47.66	27.09	6.6	31.28	298	195	P	V
		2389.38	38.73	-15.27	54	36.32	27.09	6.6	31.28	298	195	A	V
	*	2437	106.61	-	-	104	27.24	6.63	31.26	298	195	P	V
	*	2437	99.14	-	-	96.53	27.24	6.63	31.26	298	195	A	V
		2484.39	48.32	-25.68	74	45.49	27.35	6.7	31.22	298	195	P	V
		2483.97	38.91	-15.09	54	36.08	27.35	6.7	31.22	298	195	A	V



802.11n HT20 CH 11 2462MHz	*	2462	103.97	29.97	-	101.09	27.64	4.82	29.58	122	353	P	H
	*	2462	96.41	42.41	-	93.53	27.64	4.82	29.58	122	353	A	H
		2484.76	63.43	-10.57	74	60.54	27.63	4.85	29.59	122	353	P	H
		2483.56	50.46	-3.54	54	47.57	27.63	4.85	29.59	122	353	A	H
	*	2462	105.83	31.83	-	102.95	27.64	4.82	29.58	180	120	P	V
	*	2462	98.15	44.15	-	95.27	27.64	4.82	29.58	180	120	A	V
		2485.2	66.65	-7.35	74	63.76	27.63	4.85	29.59	180	120	P	V
		2483.56	52.38	-1.62	54	49.49	27.63	4.85	29.59	180	120	A	V
802.11n HT20 CH 12 2467MHz	*	2467	104.13	-	-	101.35	27.3	6.7	31.22	221	248	P	H
	*	2467	96.76	-	-	93.98	27.3	6.7	31.22	221	248	A	H
		2483.52	67.26	-6.74	74	64.43	27.35	6.7	31.22	221	248	P	H
		2483.52	52.4	-1.6	54	49.57	27.35	6.7	31.22	221	248	A	H
	*	2467	101.29	-	-	98.51	27.3	6.7	31.22	300	195	P	V
	*	2467	93.86	-	-	91.08	27.3	6.7	31.22	300	195	A	V
		2483.64	66.05	-7.95	74	63.22	27.35	6.7	31.22	300	195	P	V
		2483.52	51.47	-2.53	54	48.64	27.35	6.7	31.22	300	195	A	V
802.11n HT20 CH 13 2472MHz	*	2472	102.69	-	-	99.86	27.35	6.7	31.22	221	248	P	H
	*	2472	94.96	-	-	92.13	27.35	6.7	31.22	221	248	A	H
		2483.52	69.51	-4.49	74	66.68	27.35	6.7	31.22	221	248	P	H
		2483.64	53.26	-0.74	54	50.43	27.35	6.7	31.22	221	248	A	H
	*	2472	100.11	-	-	97.28	27.35	6.7	31.22	300	195	P	V
	*	2472	92.62	-	-	89.79	27.35	6.7	31.22	300	195	A	V
		2483.52	68.56	-5.44	74	65.73	27.35	6.7	31.22	300	195	P	V
		2483.52	51.87	-2.13	54	49.04	27.35	6.7	31.22	300	195	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 01 2412MHz		4824	49.47	-24.53	74	66.59	31.42	9.65	58.19	185	255	P	H
		4824	35.9	-18.1	54	53.02	31.42	9.65	58.19	185	255	A	H
		4824	44.67	-29.33	74	61.79	31.42	9.65	58.19	185	255	P	V
802.11n HT20 CH 06 2437MHz		4874	48.75	-25.25	74	65.63	31.51	9.71	58.1	165	106	P	H
		7311	54.1	-19.9	74	63.65	36.36	12.01	57.92	174	100	P	H
		7311	47.68	-6.32	54	57.23	36.36	12.01	57.92	174	100	A	H
		4874	45.77	-28.23	74	62.65	31.51	9.71	58.1	147	85	P	V
		7311	51.67	-22.33	74	61.22	36.36	12.01	57.92	174	154	P	V
		7311	44.02	-9.98	54	53.57	36.36	12.01	57.92	174	154	A	V
802.11n HT20 CH 11 2462MHz		4924	44.32	-29.68	74	60.98	31.59	9.77	58.02	150	285	P	H
		7386	51.64	-22.36	74	60.56	36.65	12.08	57.65	155	274	P	H
		4924	41.02	-32.98	74	57.68	31.59	9.77	58.02	150	285	P	V
		7386	53.54	-20.46	74	62.46	36.65	12.08	57.65	155	274	P	V
		7386	44.06	-9.94	54	52.98	36.65	12.08	57.65	155	274	A	V
802.11n HT20 CH 12 2467MHz		4934	40.06	-33.94	74	56.72	31.59	9.77	58.02	178	45	P	H
		7401	50.69	-23.31	74	59.48	36.71	12.1	57.6	155	274	P	H
		7401	41.69	-12.31	54	50.48	36.71	12.1	57.6	155	274	A	H
		4934	39.66	-34.34	74	56.32	31.59	9.77	58.02	150	285	P	V
		7401	47.38	-26.62	74	56.17	36.71	12.1	57.6	174	89	P	V
802.11n HT20 CH 13 2472MHz		4944	39.88	-34.12	74	56.44	31.62	9.81	57.99	174	196	P	H
		7416	48.24	-25.76	74	57	36.71	12.13	57.6	163	28	P	H
		4944	39.38	-34.62	74	55.94	31.62	9.81	57.99	150	285	P	V
		7416	46.94	-27.06	74	55.7	36.71	12.13	57.6	155	274	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Emission below 1GHz

2.4GHz WIFI 802.11g (LF)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz 802.11g LF		30	24.3	-15.7	40	31.12	24.9	0.25	31.97	-	-	P	H
		100.81	21.18	-22.32	43.5	35.48	16.36	1.06	31.72	-	-	P	H
		210.42	32.25	-11.25	43.5	46.63	15.3	1.63	31.31	201	0	P	H
		432.55	25.72	-20.28	46	32.14	22.59	2.25	31.26	-	-	P	H
		572.23	28.31	-17.69	46	31.66	25.29	2.62	31.26	-	-	P	H
		911.73	33.6	-12.4	46	31.95	29.44	3.41	31.2	-	-	P	H
		30	24.79	-15.21	40	31.61	24.9	0.25	31.97	-	-	P	V
		76.56	22	-18	40	39.76	13.27	0.82	31.85	-	-	P	V
		97.9	24.23	-19.27	43.5	38.88	16.04	1.05	31.74	-	-	P	V
		202.66	32.33	-11.17	43.5	46.73	15.3	1.62	31.32	100	0	P	V
		630.43	29.55	-16.45	46	31.96	26.07	2.77	31.25	-	-	P	V
		931.13	33.88	-12.12	46	32.04	29.67	3.44	31.27	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2383.29	54.01	-19.99	74	51.12	27.72	4.72	29.55	257	214	P	H
		2383.71	45.9	-8.1	54	43.01	27.72	4.72	29.55	257	214	A	H
	*	2412	107.05	-	-	104.14	27.69	4.78	29.56	257	214	P	H
	*	2412	103.91	-	-	101	27.69	4.78	29.56	257	214	A	H
		2383.29	55.51	-18.49	74	52.62	27.72	4.72	29.55	173	254	P	V
		2385.285	47.36	-6.64	54	44.41	27.72	4.78	29.55	173	254	A	V
	*	2412	106.1	-	-	103.19	27.69	4.78	29.56	173	254	P	V
	*	2412	102.96	-	-	100.05	27.69	4.78	29.56	173	254	A	V
802.11b CH 06 2437MHz		2320.92	52.93	-21.07	74	50.03	27.77	4.66	29.53	247	245	P	H
		2388.54	42.2	-11.8	54	39.27	27.7	4.78	29.55	247	245	A	H
	*	2437	109.29	-	-	106.38	27.66	4.82	29.57	247	245	P	H
	*	2437	106.12	-	-	103.21	27.66	4.82	29.57	247	245	A	H
		2498.6	52.08	-21.92	74	49.22	27.61	4.85	29.6	247	245	P	H
		2487.19	41.4	-12.6	54	38.51	27.63	4.85	29.59	247	245	A	H
		2369.5	52.55	-21.45	74	49.66	27.72	4.72	29.55	137	256	P	V
		2386.86	42.47	-11.53	54	39.54	27.7	4.78	29.55	137	256	A	V
	*	2437	108.53	-	-	105.62	27.66	4.82	29.57	137	256	P	V
	*	2437	105.41	-	-	102.5	27.66	4.82	29.57	137	256	A	V
		2484.95	52.5	-21.5	74	49.61	27.63	4.85	29.59	137	256	P	V
		2485.37	42.78	-11.22	54	39.89	27.63	4.85	29.59	137	256	A	V



802.11b CH 11 2462MHz	*	2462	109.05	-	-	106.17	27.64	4.82	29.58	247	245	P	H
	*	2462	106.44	-	-	103.56	27.64	4.82	29.58	247	245	A	H
		2486.2	55.12	-18.88	74	52.23	27.63	4.85	29.59	247	245	P	H
		2487.96	46.73	-7.27	54	43.86	27.61	4.85	29.59	247	245	A	H
	*	2462	107.14	-	-	104.26	27.64	4.82	29.58	137	256	P	V
	*	2462	103.98	-	-	101.1	27.64	4.82	29.58	137	256	A	V
		2487.32	53.96	-20.04	74	51.07	27.63	4.85	29.59	137	256	P	V
		2483.52	46.14	-7.86	54	43.25	27.63	4.85	29.59	137	256	A	V
802.11b CH 12 2467MHz	*	2467	103.37	-	-	100.47	27.64	4.85	29.59	247	245	P	H
	*	2467	100.43	-	-	97.53	27.64	4.85	29.59	247	245	A	H
		2483.56	59.25	-14.75	74	56.36	27.63	4.85	29.59	247	245	P	H
		2483.52	53.21	-0.79	54	50.32	27.63	4.85	29.59	247	245	A	H
	*	2467	102.86	-	-	99.96	27.64	4.85	29.59	137	256	P	V
	*	2467	99.9	-	-	97	27.64	4.85	29.59	137	256	A	V
		2483.64	58.73	-15.27	74	55.84	27.63	4.85	29.59	137	256	P	V
		2483.52	52.13	-1.87	54	49.24	27.63	4.85	29.59	137	256	A	V
802.11b CH 13 2472MHz	*	2472	102.81	28.81	74	99.92	27.63	4.85	29.59	264	240	P	H
	*	2472	99.64	45.64	54	96.75	27.63	4.85	29.59	264	240	A	H
		2487.32	58.47	-15.53	74	55.58	27.63	4.85	29.59	264	240	P	H
		2487.08	52.81	-1.19	54	49.92	27.63	4.85	29.59	264	240	A	H
	*	2472	100.15	26.15	74	97.26	27.63	4.85	29.59	135	79	P	V
	*	2472	96.85	42.85	54	93.96	27.63	4.85	29.59	135	79	A	V
		2487.08	56.22	-17.78	74	53.33	27.63	4.85	29.59	135	79	P	V
		2487.16	49.59	-4.41	54	46.7	27.63	4.85	29.59	135	79	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz
WIFI 802.11b (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 01 2412MHz		4824	54.22	-19.78	74	75.1	31.76	5.55	58.19	170	217	P	H
		4824	53.22	-0.78	54	74.1	31.76	5.55	58.19	170	217	A	H
		4824	55.62	-18.38	74	76.5	31.76	5.55	58.19	123	336	P	V
		4824	52.22	-1.78	54	73.1	31.76	5.55	58.19	123	336	A	V
802.11b CH 06 2437MHz		4874	55.32	-18.68	74	75.89	31.88	5.65	58.1	185	213	P	H
		4874	53.39	-0.61	54	73.96	31.88	5.65	58.1	185	213	A	H
		7311	55.74	-18.26	74	69.52	36.88	7.26	57.92	269	296	P	H
		7311	51.32	-2.68	54	65.1	36.88	7.26	57.92	269	296	A	H
		4874	55.32	-18.68	74	75.89	31.88	5.65	58.1	132	349	P	V
		4874	52.23	-1.77	54	72.8	31.88	5.65	58.1	132	349	A	V
		7311	52.52	-21.48	74	66.3	36.88	7.26	57.92	113	246	P	V
		7311	46.32	-7.68	54	60.1	36.88	7.26	57.92	113	246	A	V
802.11b CH 11 2462MHz		4924	52.84	-21.16	74	73	32	5.86	58.02	176	213	P	H
		4924	49.97	-4.03	54	70.13	32	5.86	58.02	176	213	A	H
		7386	56.95	-17.05	74	70.19	37.21	7.2	57.65	216	320	P	H
		7386	53.15	-0.85	54	66.39	37.21	7.2	57.65	216	320	A	H
		4924	50.84	-23.16	74	71	32	5.86	58.02	124	350	P	V
		4924	47.64	-6.36	54	67.8	32	5.86	58.02	124	350	A	V
		7386	53.86	-20.14	74	67.1	37.21	7.2	57.65	119	265	P	V
		7386	48.85	-5.15	54	62.09	37.21	7.2	57.65	119	265	A	V
802.11b CH 12 2467MHz		4934	46.46	-27.54	74	66.62	32	5.86	58.02	176	215	P	H
		7401	53.07	-20.93	74	66.2	37.27	7.2	57.6	222	328	P	H
		7401	47.5	-6.5	54	60.63	37.27	7.2	57.6	222	328	A	H
		4934	44.16	-29.84	74	64.32	32	5.86	58.02	183	214	P	V
		7401	51.39	-22.61	74	64.52	37.27	7.2	57.6	174	154	P	V
		7401	46.41	-7.59	54	59.54	37.27	7.2	57.6	174	154	A	V



WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 13 2472MHz		4944	43.91	-30.09	74	64	32.04	5.86	57.99	152	320	P	H
		7416	48.84	-25.16	74	62	37.27	7.17	57.6	125	284	P	H
		4944	41.14	-32.86	74	61.23	32.04	5.86	57.99	125	341	P	V
		7311	48.07	-25.93	74	61.85	36.88	7.26	57.92	125	341	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz
WIFI 802.11g (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 01 2412MHz		2389.8	63.54	-10.46	74	60.62	27.7	4.78	29.56	195	77	P	H
		2389.905	51.04	-2.96	54	48.12	27.7	4.78	29.56	195	77	A	H
	*	2412	105.16	-	-	102.25	27.69	4.78	29.56	195	77	P	H
	*	2412	97.55	-	-	94.64	27.69	4.78	29.56	195	77	A	H
		2389.695	67.98	-6.02	74	65.05	27.7	4.78	29.55	117	262	P	V
		2389.8	52	-2	54	49.08	27.7	4.78	29.56	117	262	A	V
	*	2412	105.85	-	-	102.94	27.69	4.78	29.56	117	262	P	V
	*	2412	98.8	-	-	95.89	27.69	4.78	29.56	117	262	A	V
802.11g CH 06 2437MHz		2388.68	49.85	-24.15	74	47.44	27.09	6.6	31.28	187	343	P	H
		2389.66	39.23	-14.77	54	36.82	27.09	6.6	31.28	187	343	A	H
	*	2437	109.54	-	-	106.93	27.24	6.63	31.26	187	343	P	H
	*	2437	102.57	-	-	99.96	27.24	6.63	31.26	187	343	A	H
		2483.83	49.38	-24.62	74	46.55	27.35	6.7	31.22	187	343	P	H
		2484.25	38.9	-15.1	54	36.07	27.35	6.7	31.22	187	343	A	H
		2386.86	48.19	-25.81	74	45.81	27.09	6.57	31.28	110	164	P	V
		2389.94	39.4	-14.6	54	36.99	27.09	6.6	31.28	110	164	A	V
	*	2437	110.09	-	-	107.48	27.24	6.63	31.26	110	164	P	V
	*	2437	102.74	-	-	100.13	27.24	6.63	31.26	110	164	A	V
		2488.03	51.12	-22.88	74	48.21	27.4	6.73	31.22	110	164	P	V
		2483.5	40.27	-13.73	54	37.44	27.35	6.7	31.22	110	164	A	V



802.11g CH 11 2462MHz	*	2462	106.08	-	-	103.2	27.64	4.82	29.58	300	73	P	H
	*	2462	98.43	-	-	95.55	27.64	4.82	29.58	300	73	A	H
		2483.52	65.61	-8.39	74	62.72	27.63	4.85	29.59	300	73	P	H
		2483.52	51.9	-2.1	54	49.01	27.63	4.85	29.59	300	73	A	H
	*	2462	106.82	-	-	103.94	27.64	4.82	29.58	145	271	P	V
	*	2462	98.61	-	-	95.73	27.64	4.82	29.58	145	271	A	V
		2484.08	65.79	-8.21	74	62.9	27.63	4.85	29.59	145	271	P	V
		2483.56	52.08	-1.92	54	49.19	27.63	4.85	29.59	145	271	A	V
802.11g CH 12 2467MHz	*	2467	103.75	-	-	100.97	27.3	6.7	31.22	184	341	P	H
	*	2467	96.28	-	-	93.5	27.3	6.7	31.22	184	341	A	H
		2483.68	67.31	-6.69	74	64.48	27.35	6.7	31.22	184	341	P	H
		2483.52	53.15	-0.85	54	50.32	27.35	6.7	31.22	184	341	A	H
	*	2467	103.25	-	-	100.47	27.3	6.7	31.22	110	168	P	V
	*	2467	95.74	-	-	92.96	27.3	6.7	31.22	110	168	A	V
		2483.52	63.79	-10.21	74	60.96	27.35	6.7	31.22	110	168	P	V
		2483.52	50.79	-3.21	54	47.96	27.35	6.7	31.22	110	168	A	V
802.11g CH 13 2472MHz	*	2472	102.26	-	-	99.43	27.35	6.7	31.22	184	341	P	H
	*	2472	94.17	-	-	91.34	27.35	6.7	31.22	184	341	A	H
		2484.32	65.09	-8.91	74	62.26	27.35	6.7	31.22	184	341	P	H
		2483.6	52.92	-1.08	54	50.09	27.35	6.7	31.22	184	341	A	H
	*	2472	101.02	-	-	98.19	27.35	6.7	31.22	108	168	P	V
	*	2472	93.54	-	-	90.71	27.35	6.7	31.22	108	168	A	V
		2485.16	62.59	-11.41	74	59.76	27.35	6.7	31.22	108	168	P	V
		2483.52	50.58	-3.42	54	47.75	27.35	6.7	31.22	108	168	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

WIFI 802.11g (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 01 2412MHz		4824	51.15	-22.85	74	68.27	31.42	9.65	58.19	139	131	P	H
		4824	40.25	-13.75	54	57.37	31.42	9.65	58.19	139	131	A	H
		4824	49.72	-24.28	74	66.84	31.42	9.65	58.19	154	280	P	V
802.11g CH 06 2437MHz		4874	51.63	-22.37	74	68.51	31.51	9.71	58.1	165	106	P	H
		4874	40.47	-13.53	54	57.35	31.51	9.71	58.1	165	106	A	H
		7311	60.96	-13.04	74	70.51	36.36	12.01	57.92	174	100	P	H
		7311	50.26	-3.74	54	59.81	36.36	12.01	57.92	174	100	A	H
		4874	48.25	-25.75	74	65.13	31.51	9.71	58.1	165	106	P	V
		7311	57.87	-16.13	74	67.42	36.36	12.01	57.92	174	100	P	V
		7311	48.57	-5.43	54	58.12	36.36	12.01	57.92	174	100	A	V
802.11g CH 11 2462MHz		4924	46.06	-27.94	74	62.72	31.59	9.77	58.02	131	118	P	H
		7386	60.78	-13.22	74	69.7	36.65	12.08	57.65	215	233	P	H
		7386	50.64	-3.36	54	59.56	36.65	12.08	57.65	215	233	A	H
		4924	46.19	-27.81	74	62.85	31.59	9.77	58.02	150	285	P	V
		7386	53.34	-20.66	74	62.26	36.65	12.08	57.65	155	274	P	V
		7386	43.45	-10.55	54	52.37	36.65	12.08	57.65	155	274	A	V
802.11g CH 12 2467MHz		4934	43.47	-30.53	74	60.13	31.59	9.77	58.02	150	285	P	H
		7401	51.2	-22.8	74	59.99	36.71	12.1	57.6	155	274	P	H
		7401	40.81	-13.19	54	49.6	36.71	12.1	57.6	155	274	A	H
		4934	42.49	-31.51	74	59.15	31.59	9.77	58.02	150	285	P	V
		7401	49.77	-24.23	74	58.56	36.71	12.1	57.6	155	274	P	V
802.11g CH 13 2472MHz		4944	41	-33	74	57.56	31.62	9.81	57.99	150	285	P	H
		7416	47.33	-26.67	74	56.09	36.71	12.13	57.6	155	274	P	H
		4944	40.39	-33.61	74	56.95	31.62	9.81	57.99	150	285	P	V
		7416	47.13	-26.87	74	55.89	36.71	12.13	57.6	155	274	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 01 2412MHz		2388.33	67.04	-6.96	74	64.11	27.7	4.78	29.55	220	66	P	H
		2389.905	52.91	-1.09	54	49.99	27.7	4.78	29.56	220	66	A	H
	*	2412	105.81	-	-	102.9	27.69	4.78	29.56	220	66	P	H
	*	2412	98.29	-	-	95.38	27.69	4.78	29.56	220	66	A	H
		2388.54	67.21	-6.79	74	64.28	27.7	4.78	29.55	178	271	P	V
		2389.905	52.98	-1.02	54	50.06	27.7	4.78	29.56	178	271	A	V
	*	2412	106.34	-	-	103.43	27.69	4.78	29.56	178	271	P	V
	*	2412	98.18	-	-	95.27	27.69	4.78	29.56	178	271	A	V
802.11n HT20 CH 06 2437MHz		2386.02	49.73	-24.27	74	47.35	27.09	6.57	31.28	188	339	P	H
		2388.96	39.21	-14.79	54	36.8	27.09	6.6	31.28	188	339	A	H
	*	2437	108.69	-	-	106.08	27.24	6.63	31.26	188	339	P	H
	*	2437	101.37	-	-	98.76	27.24	6.63	31.26	188	339	A	H
		2484.6	49.34	-24.66	74	46.51	27.35	6.7	31.22	188	339	P	H
		2483.55	38.94	-15.06	54	36.11	27.35	6.7	31.22	188	339	A	H
		2371.6	48.39	-25.61	74	46.09	27.04	6.57	31.31	108	168	P	V
		2389.24	39.22	-14.78	54	36.81	27.09	6.6	31.28	108	168	A	V
	*	2437	108.62	-	-	106.01	27.24	6.63	31.26	108	168	P	V
	*	2437	101.3	-	-	98.69	27.24	6.63	31.26	108	168	A	V
		2485.44	49.82	-24.18	74	46.99	27.35	6.7	31.22	108	168	P	V
		2485.16	39.83	-14.17	54	37	27.35	6.7	31.22	108	168	A	V



802.11n HT20 CH 11 2462MHz	*	2462	105.57	-	-	102.69	27.64	4.82	29.58	186	72	P	H
	*	2462	98.18	-	-	95.3	27.64	4.82	29.58	186	72	A	H
		2484	66.42	-7.58	74	63.53	27.63	4.85	29.59	186	72	P	H
		2483.56	52.73	-1.27	54	49.84	27.63	4.85	29.59	186	72	A	H
	*	2462	104.27	-	-	101.39	27.64	4.82	29.58	185	264	P	V
	*	2462	96.77	-	-	93.89	27.64	4.82	29.58	185	264	A	V
		2483.56	63.03	-10.97	74	60.14	27.63	4.85	29.59	185	264	P	V
		2483.52	48.83	-5.17	54	45.94	27.63	4.85	29.59	185	264	A	V
802.11n HT20 CH 12 2467MHz	*	2467	103.95	-	-	101.17	27.3	6.7	31.22	184	340	P	H
	*	2467	95.76	-	-	92.98	27.3	6.7	31.22	184	340	A	H
		2484.24	67.47	-6.53	74	64.64	27.35	6.7	31.22	184	340	P	H
		2483.52	52.8	-1.2	54	49.97	27.35	6.7	31.22	184	340		H
	*	2467	102.65	-	-	99.87	27.3	6.7	31.22	124	168	P	V
	*	2467	95.05	-	-	92.27	27.3	6.7	31.22	124	168	A	V
		2483.64	64.95	-9.05	74	62.12	27.35	6.7	31.22	124	168	P	V
		2483.52	49.8	-4.2	54	46.97	27.35	6.7	31.22	124	168	A	V
802.11n HT20 CH 13 2472MHz	*	2472	101.67	-	-	98.84	27.35	6.7	31.22	183	341	P	H
	*	2472	93.87	-	-	91.04	27.35	6.7	31.22	183	341	A	H
		2483.84	70.22	-3.78	74	67.39	27.35	6.7	31.22	183	341	P	H
		2483.56	53.16	-0.84	54	50.33	27.35	6.7	31.22	183	341	A	H
	*	2472	100.84	-	-	98.01	27.35	6.7	31.22	124	168	P	V
	*	2472	93.17	-	-	90.34	27.35	6.7	31.22	124	168	A	V
		2483.72	67.01	-6.99	74	64.18	27.35	6.7	31.22	124	168	P	V
		2483.56	51.33	-2.67	54	48.5	27.35	6.7	31.22	124	168	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 01 2412MHz		4824	50.62	-23.38	74	67.74	31.42	9.65	58.19	185	255	P	H
		4824	40.14	-13.86	54	57.26	31.42	9.65	58.19	185	255	A	H
		4824	48.9	-25.1	74	66.02	31.42	9.65	58.19	185	255	P	V
802.11n HT20 CH 06 2437MHz		4874	47.71	-26.29	74	64.59	31.51	9.71	58.1	165	106	P	H
		7311	59.61	-14.39	74	69.16	36.36	12.01	57.92	174	100	P	H
		7311	48.06	-5.94	54	57.61	36.36	12.01	57.92	174	100	A	H
		4874	44.34	-29.66	74	61.22	31.51	9.71	58.1	165	106	P	V
		7311	54.96	-19.04	74	64.51	36.36	12.01	57.92	174	100	P	V
		7311	43.68	-10.32	54	53.23	36.36	12.01	57.92	174	100	A	V
802.11n HT20 CH 11 2462MHz		4924	45.7	-28.3	74	62.36	31.59	9.77	58.02	150	285	P	H
		7386	59.46	-14.54	74	68.38	36.65	12.08	57.65	155	274	P	H
		7386	46.67	-7.33	54	55.59	36.65	12.08	57.65	155	274	A	H
		4924	42.72	-31.28	74	59.38	31.59	9.77	58.02	150	285	P	V
		7386	50.24	-23.76	74	59.16	36.65	12.08	57.65	155	274	P	V
		7386	41.03	-12.97	54	49.95	36.65	12.08	57.65	155	274	A	V
802.11n HT20 CH 12 2467MHz		4934	41.62	-32.38	74	58.28	31.59	9.77	58.02	150	285	P	H
		7401	52.2	-21.8	74	60.99	36.71	12.1	57.6	155	274	P	H
		7401	42.3	-11.7	54	51.09	36.71	12.1	57.6	155	274	A	H
		4934	42.11	-31.89	74	58.77	31.59	9.77	58.02	150	285	P	V
		7401	47.82	-26.18	74	56.61	36.71	12.1	57.6	155	274	P	V
802.11n HT20 CH 13 2472MHz		4944	42.52	-31.48	74	59.08	31.62	9.81	57.99	150	285	P	H
		7416	47.49	-26.51	74	56.25	36.71	12.13	57.6	155	274	P	H
		4944	42.01	-31.99	74	58.57	31.62	9.81	57.99	150	285	P	V
		7416	47.46	-26.54	74	56.22	36.71	12.13	57.6	155	274	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Emission below 1GHz

2.4GHz WIFI 802.11b (LF)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz 802.11b LF		30	24.27	-15.73	40	31.09	24.9	0.25	31.97	-	-	P	H
		104.69	20.97	-22.53	43.5	35.01	16.59	1.08	31.71	-	-	P	H
		212.36	31.82	-11.68	43.5	46.2	15.3	1.63	31.31	201	0	P	H
		446.13	25.13	-20.87	46	31.25	22.87	2.29	31.28	-	-	P	H
		712.88	30.23	-15.77	46	31.59	26.93	2.96	31.25	-	-	P	H
		890.39	34.26	-11.74	46	32.85	29.22	3.36	31.17	-	-	P	H
		30	24.13	-15.87	40	30.95	24.9	0.25	31.97	-	-	P	V
		100.81	23.31	-20.19	43.5	37.61	16.36	1.06	31.72	-	-	P	V
		204.6	32.56	-10.94	43.5	46.96	15.3	1.62	31.32	100	0	P	V
		412.18	24.88	-21.12	46	31.74	22.16	2.2	31.22	-	-	P	V
		747.8	31.34	-14.66	46	31.96	27.56	3.03	31.21	-	-	P	V
		870.02	33.56	-12.44	46	32.37	29.06	3.31	31.18	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Note symbol

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is over limit line.
P/A	P eak or A verage
H/V	H orizontal or V ertical

A calculation example for radiated spurious emission is shown as below:

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01													
2412MHz		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. Level(dBμV/m) =

Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)

= 43.54 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

Both peak and average measured complies with the limit line, so test result is “PASS”.



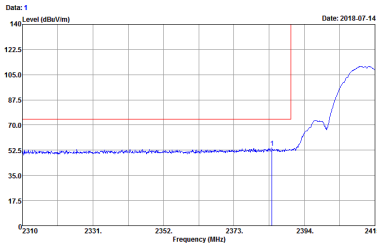
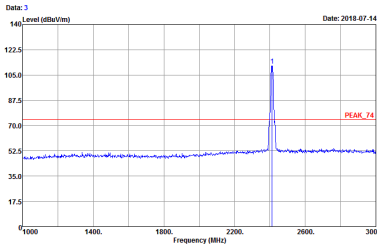
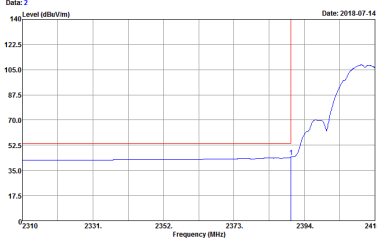
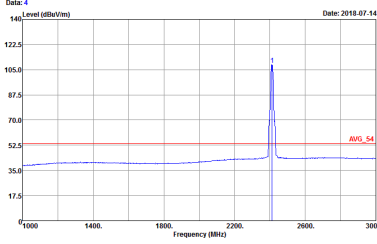
Appendix C. Radiated Spurious Emission Plots

Test Engineer :	Vikki Peng	Temperature :	22~25°C
		Relative Humidity :	48~52%

Note symbol

-L	Low channel location
-R	High channel location

2.4GHz 2400~2483.5MHz
WIFI 802.11b (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
1	Horizontal	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT_91200-1474-18 HORIZONTAL : REW: 1000.000kHz VBW: 3000.000kHz	 Condition : PEAK_74 3m HF_ANT_91200-1474-18 HORIZONTAL : REW: 1000.000kHz VBW: 3000.000kHz
	 Condition : AVG_BE_54 3m HF_ANT_91200-1474-18 HORIZONTAL : REW: 1000.000kHz VBW: 0.010kHz	 Condition : AVG_54 3m HF_ANT_91200-1474-18 HORIZONTAL : REW: 1000.000kHz VBW: 0.010kHz

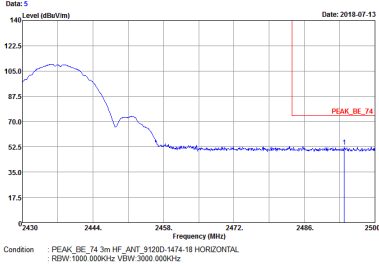
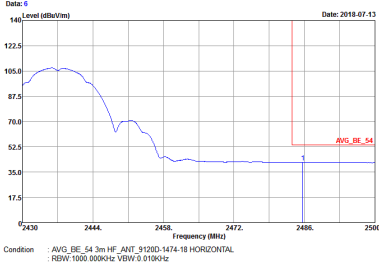


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
1	Vertical	Fundamental
Peak	Data: 5 Condition : PEAK_BE_74 3m HF_ANT_91200-1474-18 VERTICAL RESW: 1000.000kHz VBW: 3000.000kHz	Data: 7 Condition : PEAK_74 3m HF_ANT_91200-1474-18 VERTICAL RESW: 1000.000kHz VBW: 3000.000kHz
Avg.	Data: 6 Condition : AVG_BE_54 3m HF_ANT_91200-1474-18 VERTICAL RESW: 1000.000kHz VBW: 0.010kHz	Data: 8 Condition : AVG_54 3m HF_ANT_91200-1474-18 VERTICAL RESW: 1000.000kHz VBW: 0.010kHz



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
1	Horizontal	Fundamental
Peak	Data: 1 Condition : PEAK_BE_74 3m HF_ANT_91200-1474-18 HORIZONTAL RESV: 1000.000KHz VIEW: 3000.000KHz	Data: 3 Condition : PEAK_74 3m HF_ANT_91200-1474-18 HORIZONTAL RESV: 1000.000KHz VIEW: 3000.000KHz
Avg.	Data: 2 Condition : AVG_BE_54 3m HF_ANT_91200-1474-18 HORIZONTAL RESV: 1000.000KHz VIEW: 0.010KHz	Data: 4 Condition : AVG_54 3m HF_ANT_91200-1474-18 HORIZONTAL RESV: 1000.000KHz VIEW: 0.010KHz

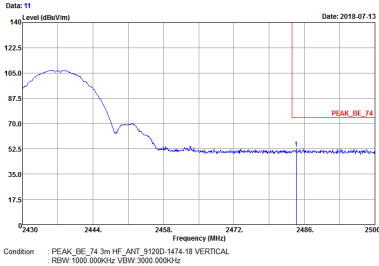
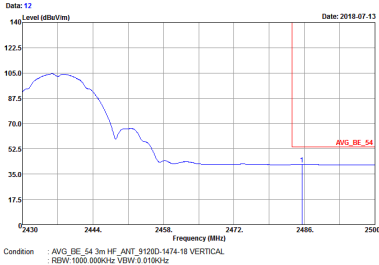


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
1	Vertical	Fundamental
Peak	Vertical Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 2310 2338 2366 2394 2422 2450 Frequency (MHz) Date: 2018-07-13 Condition : PEAK_BE_74 3m HF_ANT_91200-1474-18 VERTICAL RESW: 1000.000kHz VBW: 3000.000kHz	Fundamental Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0 1000 1400 1800 2200 2600 3000 Frequency (MHz) Date: 2018-07-13 Condition : PEAK_74 3m HF_ANT_91200-1474-18 VERTICAL RESW: 1000.000kHz VBW: 3000.000kHz
Avg.	Vertical Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 2310 2338 2366 2394 2422 2450 Frequency (MHz) Date: 2018-07-13 Condition : AVG_BE_54 3m HF_ANT_91200-1474-18 VERTICAL RESW: 1000.000kHz VBW: 0.010kHz	Fundamental Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0 1000 1400 1800 2200 2600 3000 Frequency (MHz) Date: 2018-07-13 Condition : AVG_54 3m HF_ANT_91200-1474-18 VERTICAL RESW: 1000.000kHz VBW: 0.010kHz

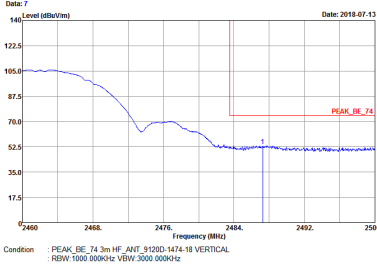
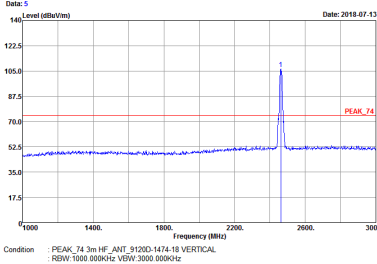
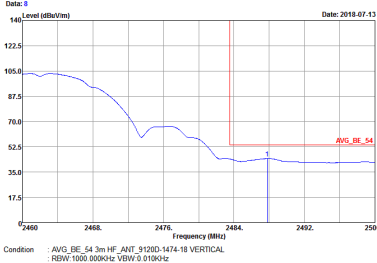
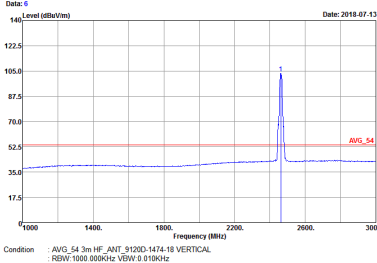


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
1	Horizontal	Fundamental
Peak		

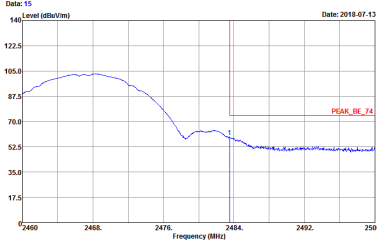
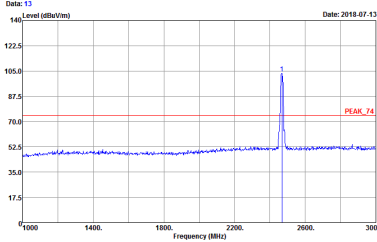
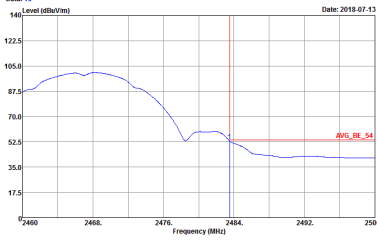
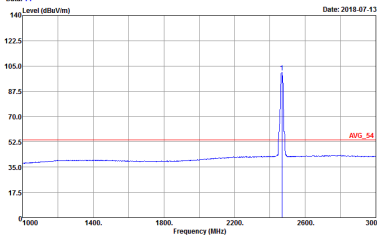


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
1	Vertical	Fundamental
Peak		
		
Avg.		



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH12 2467MHz	
1	Horizontal	Fundamental
Peak	Date: 11 Level (dBuV/m) Date: 2018-07-13 Condition : PEAK_BE_74 3m HF_ANT_91200-1474-18 HORIZONTAL RESW: 1000.000kHz VBW: 3000.000kHz	Date: 9 Level (dBuV/m) Date: 2018-07-13 Condition : PEAK_74 3m HF_ANT_91200-1474-18 HORIZONTAL RESW: 1000.000kHz VBW: 3000.000kHz
Avg.	Date: 12 Level (dBuV/m) Date: 2018-07-13 Condition : AVG_BE_54 3m HF_ANT_91200-1474-18 HORIZONTAL RESW: 1000.000kHz VBW: 0.010kHz	Date: 10 Level (dBuV/m) Date: 2018-07-13 Condition : AVG_54 3m HF_ANT_91200-1474-18 HORIZONTAL RESW: 1000.000kHz VBW: 0.010kHz

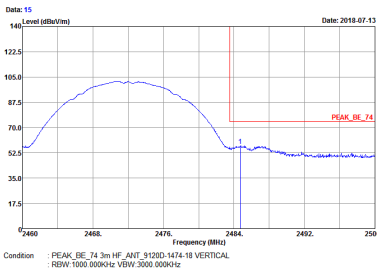
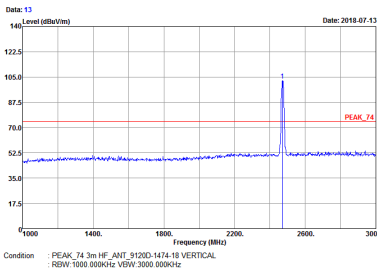
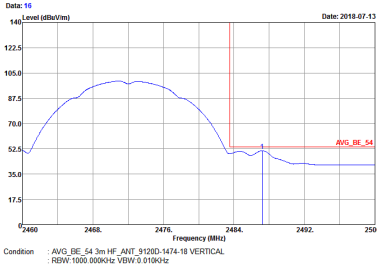
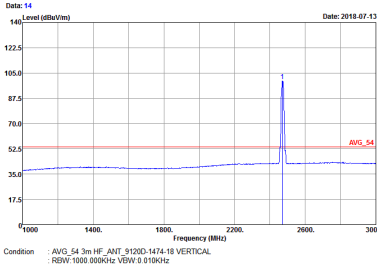


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH12 2467MHz	
1	Vertical	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT_91200-1474-18 VERTICAL RESW: 1000.000kHz VBW: 3000.000kHz	 Condition : PEAK_74 3m HF_ANT_91200-1474-18 VERTICAL RESW: 1000.000kHz VBW: 3000.000kHz
	 Condition : AVG_BE_54 3m HF_ANT_91200-1474-18 VERTICAL RESW: 1000.000kHz VBW: 0.010kHz	 Condition : AVG_54 3m HF_ANT_91200-1474-18 VERTICAL RESW: 1000.000kHz VBW: 0.010kHz

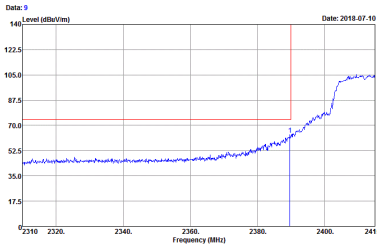
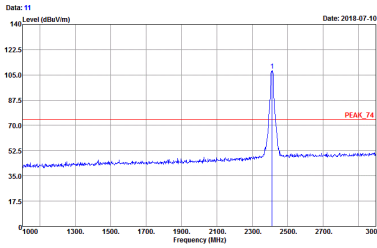
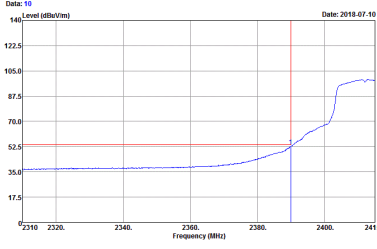
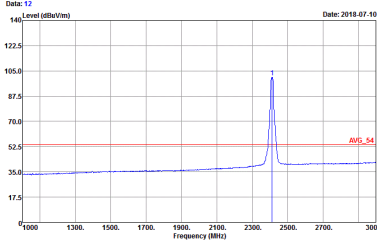


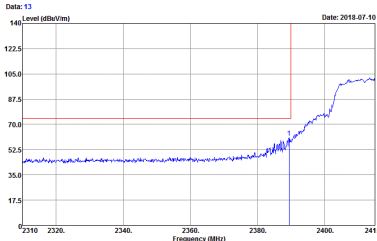
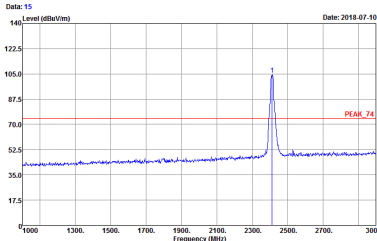
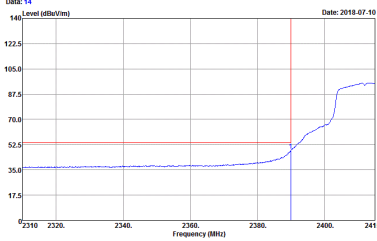
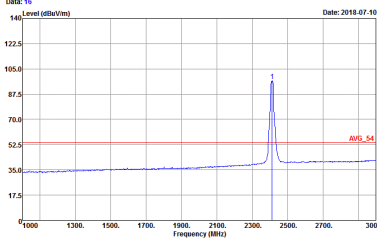
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH13 2472MHz	
1	Horizontal	Fundamental
Peak	Date: 11 Level (dBuV/m) Date: 2018-07-13 Condition : PEAK_BE_74 3m HF_ANT_91200-1474-18 HORIZONTAL RESW: 1000.000kHz VBW: 3000.000kHz	Date: 9 Level (dBuV/m) Date: 2018-07-13 Condition : PEAK_74 3m HF_ANT_91200-1474-18 HORIZONTAL RESW: 1000.000kHz VBW: 3000.000kHz
Avg.	Date: 12 Level (dBuV/m) Date: 2018-07-13 Condition : AVG_BE_54 3m HF_ANT_91200-1474-18 HORIZONTAL RESW: 1000.000kHz VBW: 0.010kHz	Date: 10 Level (dBuV/m) Date: 2018-07-13 Condition : AVG_54 3m HF_ANT_91200-1474-18 HORIZONTAL RESW: 1000.000kHz VBW: 0.010kHz

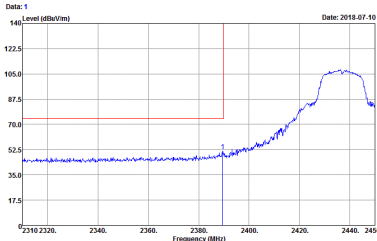
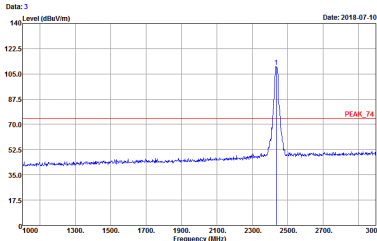
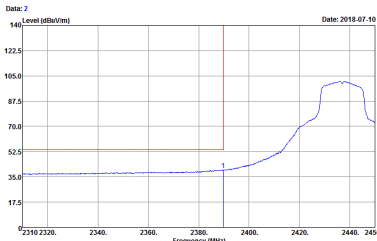
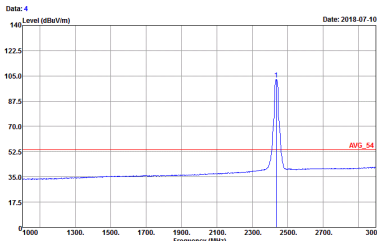


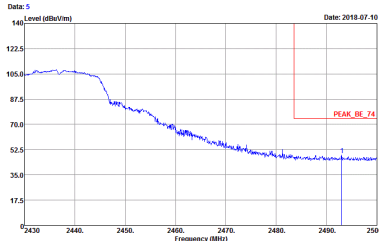
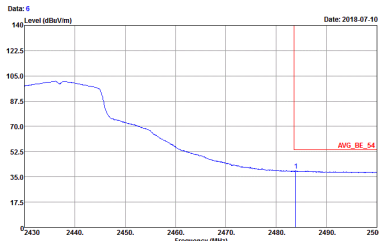
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH13 2472MHz	
1	Vertical	Fundamental
Peak		
		

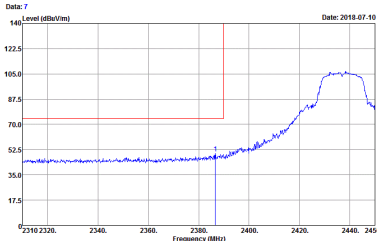
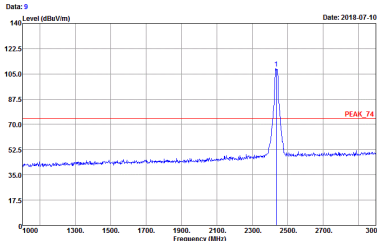
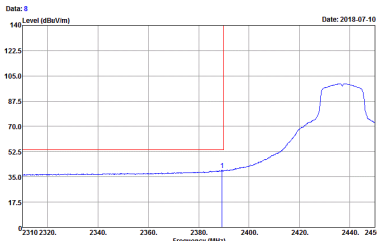
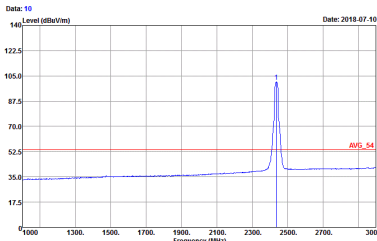
2.4GHz 2400~2483.5MHz
WIFI 802.11g (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
1	Horizontal	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VEW:3000.000kHz	 Condition : PEAK_74 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VEW:3000.000kHz
	 Condition : AVG_BE_54 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VEW:1.000kHz	 Condition : AVG_54 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VEW:1.000kHz

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
1	Vertical	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT 9120D-1285 VERTICAL : REW:1000.000kHz VBW:3000.000kHz	 Condition : PEAK_74 3m HF_ANT 9120D-1285 VERTICAL : REW:1000.000kHz VBW:3000.000kHz
	 Condition : AVG_BE_54 3m HF_ANT 9120D-1285 VERTICAL : REW:1000.000kHz VBW:1.000kHz	 Condition : AVG_54 3m HF_ANT 9120D-1285 VERTICAL : REW:1000.000kHz VBW:1.000kHz

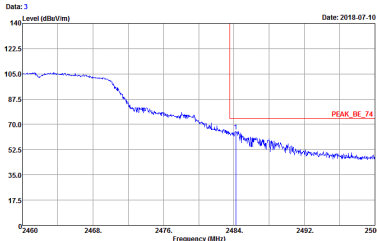
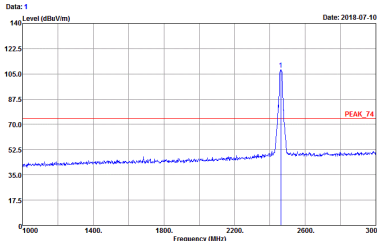
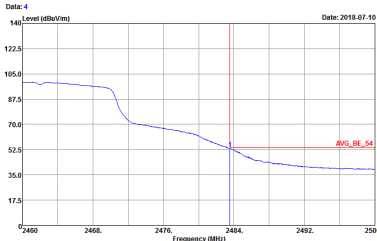
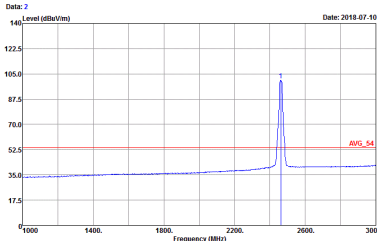
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
1	Horizontal	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VEW:3000.000kHz	 Condition : PEAK_74 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VEW:3000.000kHz
Avg.	 Condition : AVG_BE_54 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VEW:1.000kHz	 Condition : AVG_54 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VEW:1.000kHz

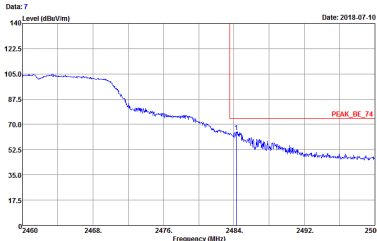
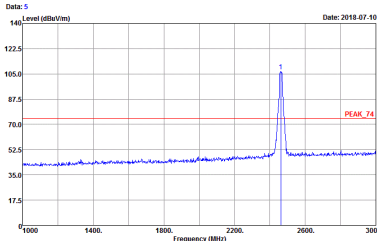
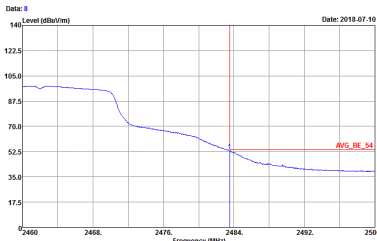
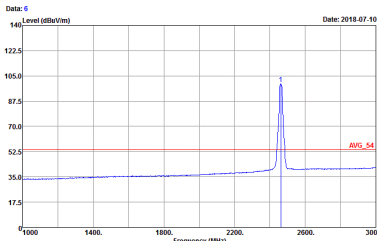
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT 9120D-1285 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz	Left blank
Avg.	 Condition : AVG_BE_54 3m HF_ANT 9120D-1285 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz	Left blank

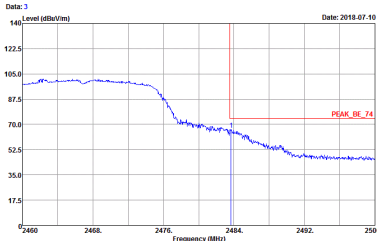
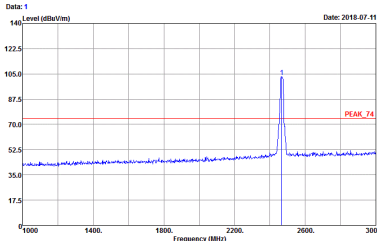
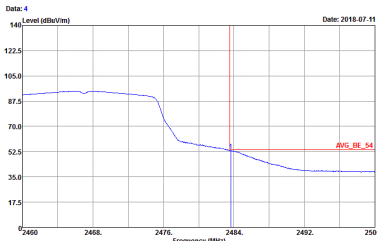
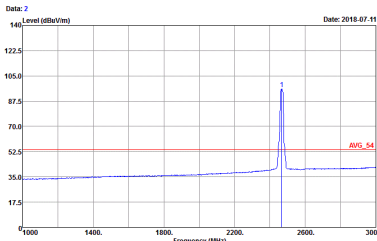
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
1	Vertical	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT 9120D-1285 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz	 Condition : PEAK_74 3m HF_ANT 9120D-1285 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz
Avg.	 Condition : AVG_BE_54 3m HF_ANT 9120D-1285 VERTICAL : RBW:1000.000kHz VBW:1.000kHz	 Condition : AVG_54 3m HF_ANT 9120D-1285 VERTICAL : RBW:1000.000kHz VBW:1.000kHz

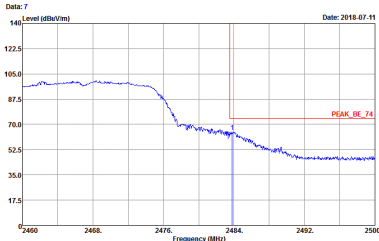
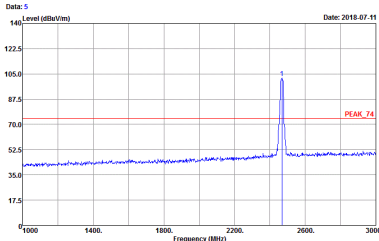
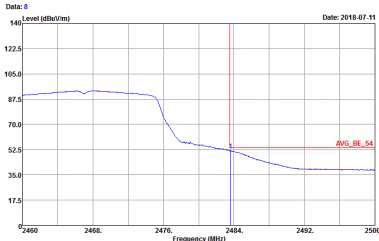
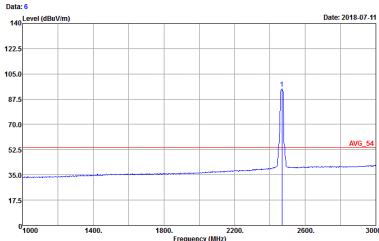


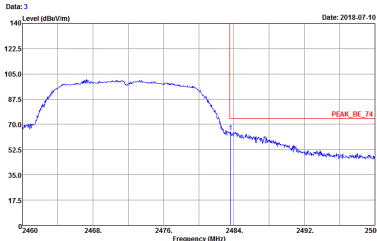
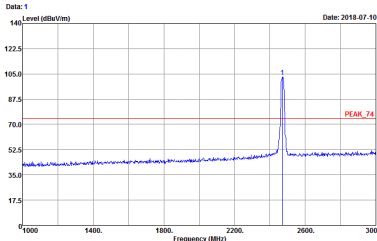
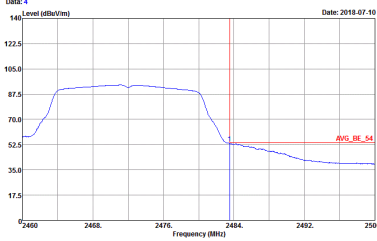
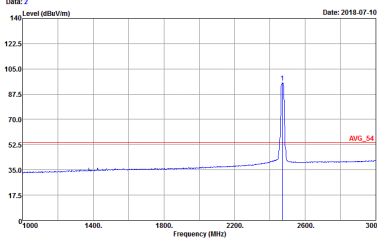
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
1	Vertical	Fundamental
Peak	Graph 11: Peak Level (dBuV/m) vs Frequency (MHz). Date: 2018-07-10. Condition : PEAK_BE_74 3m HF_ANT 9120D-1285 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz	Left Blank
Avg.	Graph 12: Avg. Level (dBuV/m) vs Frequency (MHz). Date: 2018-07-10. Condition : AVG_BE_54 3m HF_ANT 9120D-1285 VERTICAL : RBW:1000.000kHz VBW:1.000kHz	Left Blank

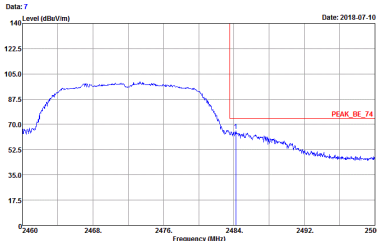
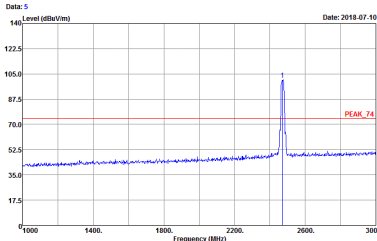
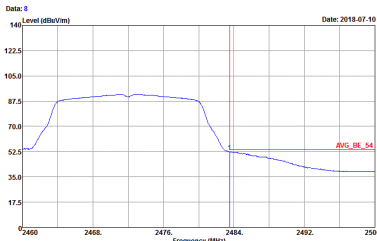
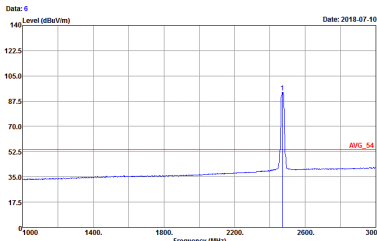
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz -L	
1	Horizontal	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VBW:3000.000kHz	 Condition : PEAK_74 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VBW:3000.000kHz
	 Condition : AVG_BE_54 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VBW:1.000kHz	 Condition : AVG_54 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VBW:1.000kHz
Avg.		

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz -R	
1	Vertical	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT 9120D-128S VERTICAL : RBW:1000.000kHz VBW:3000.000kHz	 Condition : PEAK_74 3m HF_ANT 9120D-128S VERTICAL : RBW:1000.000kHz VBW:3000.000kHz
	 Condition : AVG_BE_54 3m HF_ANT 9120D-128S VERTICAL : RBW:1000.000kHz VBW:1.000kHz	 Condition : AVG_54 3m HF_ANT 9120D-128S VERTICAL : RBW:1000.000kHz VBW:1.000kHz

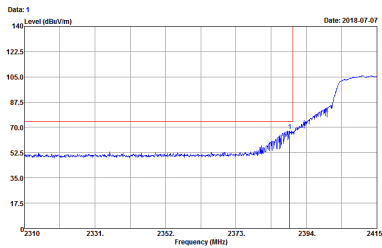
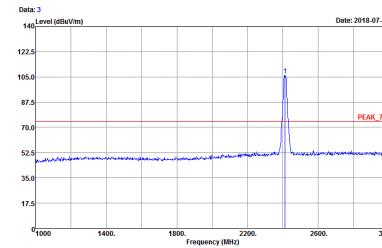
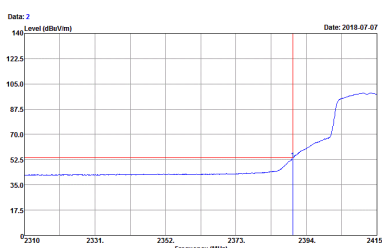
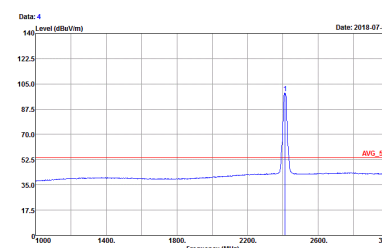
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH12 2467MHz -L	
1	Horizontal	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VBW:3000.000kHz	 Condition : PEAK_74 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VBW:3000.000kHz
	 Condition : AVG_BE_54 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VBW:1.000kHz	 Condition : AVG_54 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VBW:1.000kHz

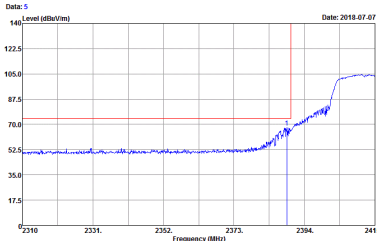
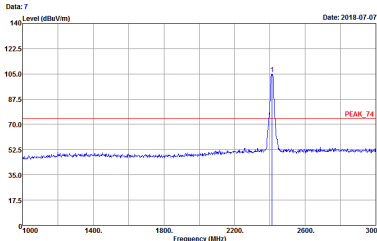
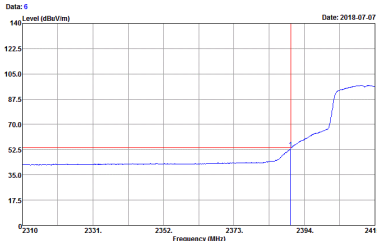
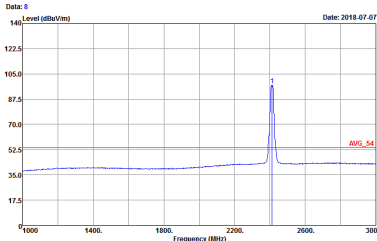
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH12 2467MHz -R	
1	Vertical	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT 9120D-1285 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz	 Condition : PEAK_74 3m HF_ANT 9120D-1285 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz
	 Condition : AVG_BE_54 3m HF_ANT 9120D-1285 VERTICAL : RBW:1000.000kHz VBW:1.000kHz	 Condition : AVG_54 3m HF_ANT 9120D-1285 VERTICAL : RBW:1000.000kHz VBW:1.000kHz
Avg.		

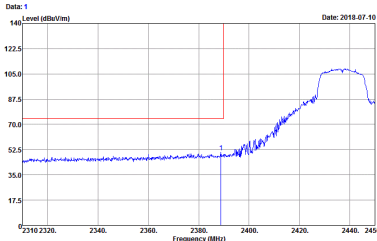
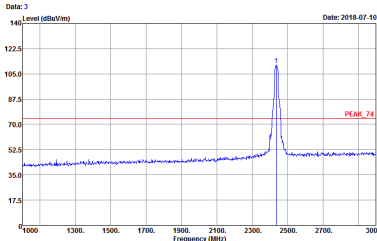
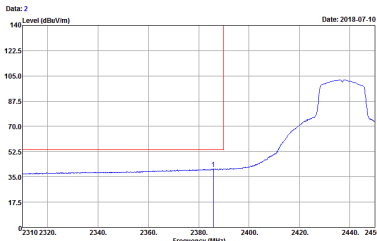
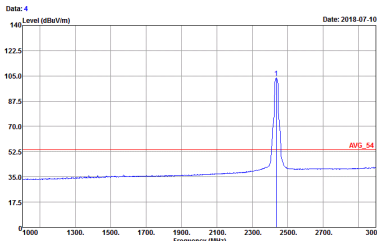
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH13 2472MHz -L	
1	Horizontal	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VBW:3000.000kHz	 Condition : PEAK_74 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VBW:3000.000kHz
	 Condition : AVG_BE_54 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VBW:1.000kHz	 Condition : AVG_54 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VBW:1.000kHz

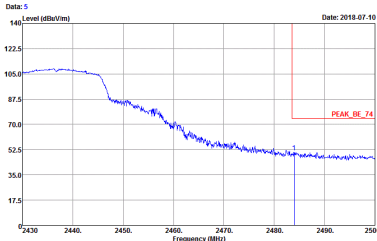
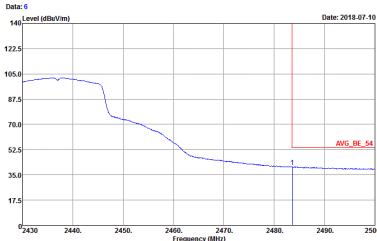
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH13 2472MHz -R	
1	Vertical	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT 9120D-1285 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz	 Condition : PEAK_74 3m HF_ANT 9120D-1285 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz
	 Condition : AVG_BE_54 3m HF_ANT 9120D-1285 VERTICAL : RBW:1000.000kHz VBW:1.000kHz	 Condition : AVG_54 3m HF_ANT 9120D-1285 VERTICAL : RBW:1000.000kHz VBW:1.000kHz

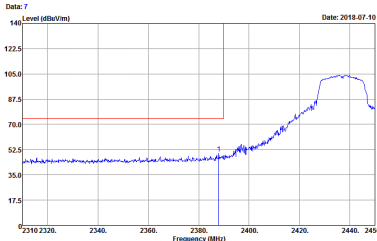
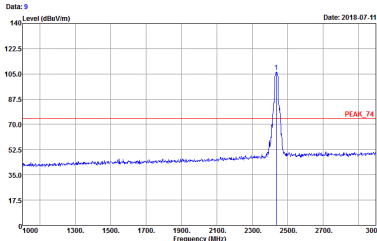
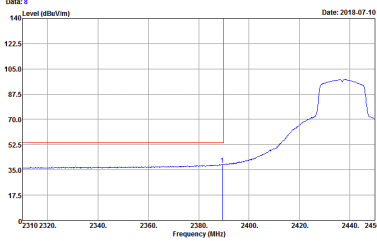
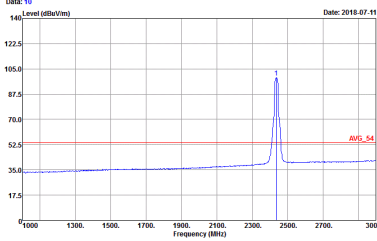
2.4GHz 2400~2483.5MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH01 2412MHz -L	
1	Horizontal	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT_9120D-1474-18 HORIZONTAL : REW:1000.000kHz VBW:3000.000kHz	 Condition : PEAK_74 3m HF_ANT_9120D-1474-18 HORIZONTAL : REW:1000.000kHz VBW:3000.000kHz
Avg.	 Condition : AVG_BE_54 3m HF_ANT_9120D-1474-18 HORIZONTAL : REW:1000.000kHz VBW:1.000kHz	 Condition : AVG_54 3m HF_ANT_9120D-1474-18 HORIZONTAL : REW:1000.000kHz VBW:1.000kHz

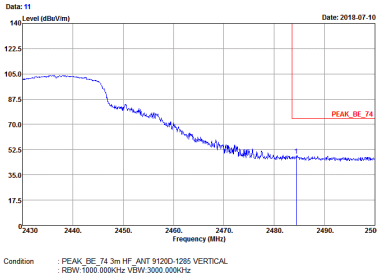
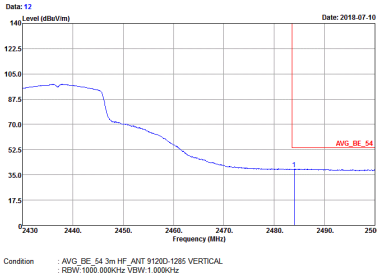
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH01 2412MHz -R	
1	Vertical	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT_9120D-1474-18 VERTICAL : REW:1000.000kHz VBW:3000.000kHz	 Condition : PEAK_74 3m HF_ANT_9120D-1474-18 VERTICAL : REW:1000.000kHz VBW:3000.000kHz
	 Condition : AVG_BE_54 3m HF_ANT_9120D-1474-18 VERTICAL : REW:1000.000kHz VBW:1.000kHz	 Condition : AVG_54 3m HF_ANT_9120D-1474-18 VERTICAL : REW:1000.000kHz VBW:1.000kHz

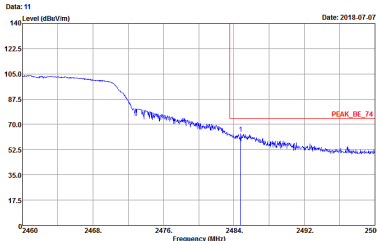
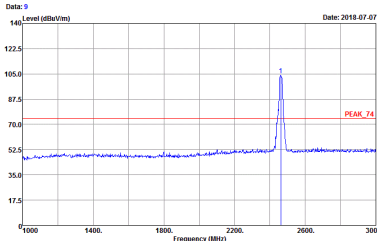
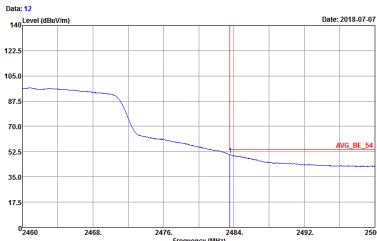
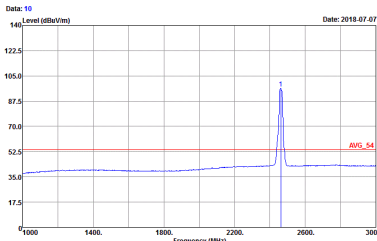
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - L	
1	Horizontal	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VIEW:3000.000kHz	 Condition : PEAK_74 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VIEW:3000.000kHz
	 Condition : AVG_BE_54 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VIEW:1.000kHz	 Condition : AVG_54 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VIEW:1.000kHz

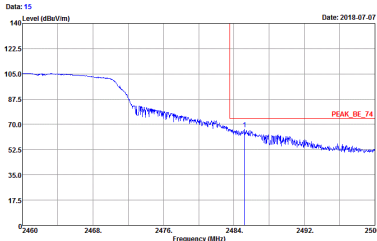
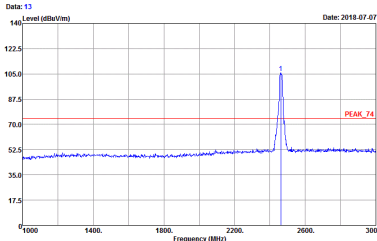
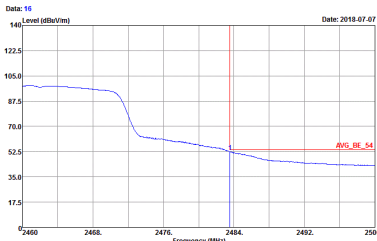
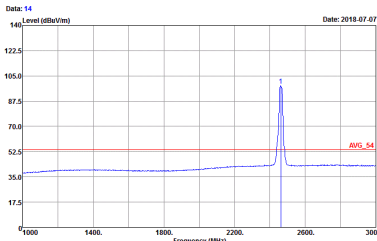
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT 9120D-1285 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz	Left blank
Avg.	 Condition : AVG_BE_54 3m HF_ANT 9120D-1285 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz	Left blank

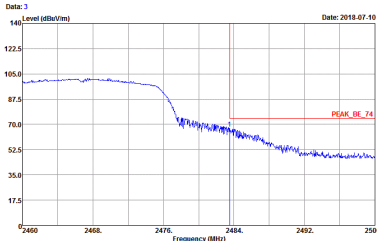
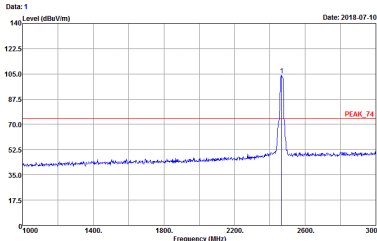
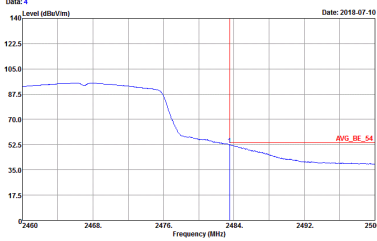
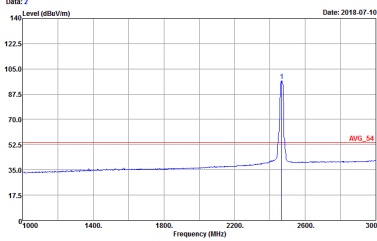
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - L	
1	Vertical	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT 9120D-1285 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz	 Condition : PEAK_74 3m HF_ANT 9120D-1285 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz
	 Condition : AVG_BE_54 3m HF_ANT 9120D-1285 VERTICAL : RBW:1000.000kHz VBW:1.000kHz	 Condition : AVG_54 3m HF_ANT 9120D-1285 VERTICAL : RBW:1000.000kHz VBW:1.000kHz

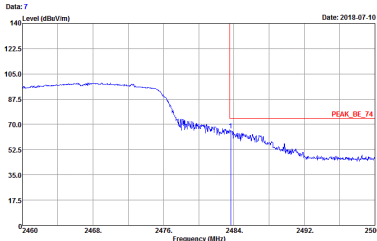
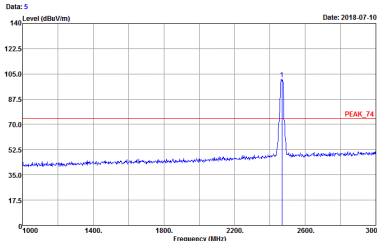
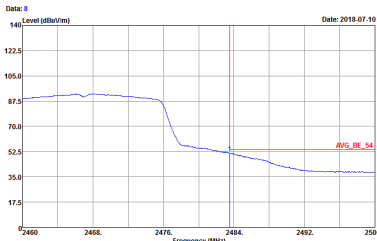
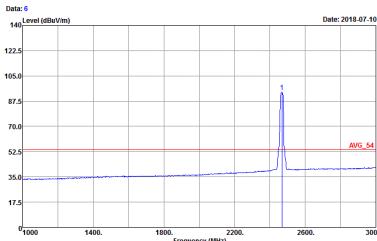


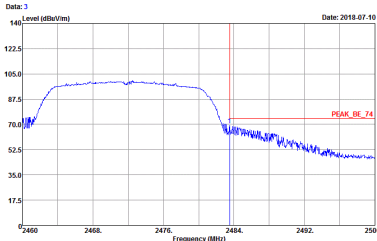
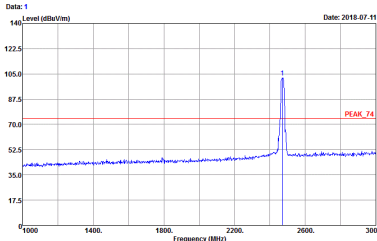
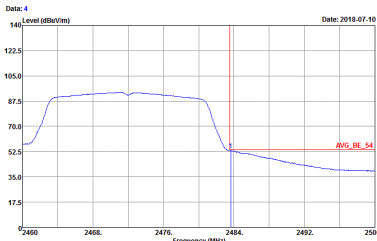
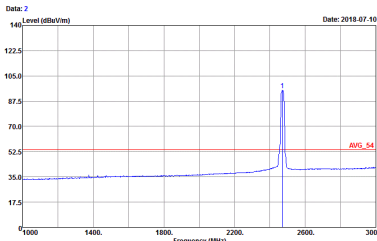
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
1	Vertical	Fundamental
Peak		Left Blank
Avg.		Left Blank

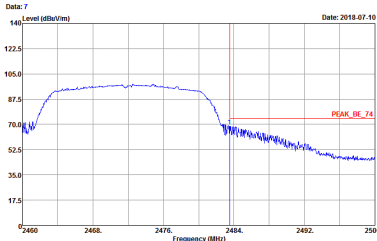
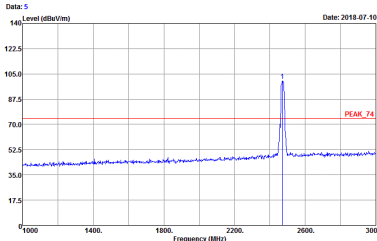
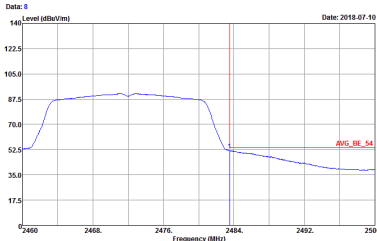
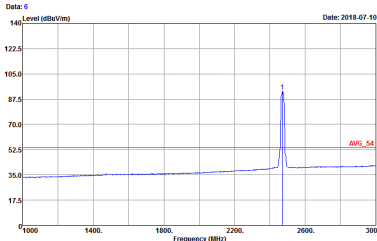
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH11 2462MHz -R	
1	Horizontal	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT_9120D-1474-18 HORIZONTAL : REW:1000.000kHz VBW:3000.000kHz	 Condition : PEAK_74 3m HF_ANT_9120D-1474-18 HORIZONTAL : REW:1000.000kHz VBW:3000.000kHz
	 Condition : AVG_BE_54 3m HF_ANT_9120D-1474-18 HORIZONTAL : REW:1000.000kHz VBW:1.000kHz	 Condition : AVG_54 3m HF_ANT_9120D-1474-18 HORIZONTAL : REW:1000.000kHz VBW:1.000kHz

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH11 2462MHz -R	
1	Vertical	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT_9120D-1474-18 VERTICAL : REW:1000.000kHz VBW:3000.000kHz	 Condition : PEAK_74 3m HF_ANT_9120D-1474-18 VERTICAL : REW:1000.000kHz VBW:3000.000kHz
	 Condition : AVG_BE_54 3m HF_ANT_9120D-1474-18 VERTICAL : REW:1000.000kHz VBW:1.000kHz	 Condition : AVG_54 3m HF_ANT_9120D-1474-18 VERTICAL : REW:1000.000kHz VBW:1.000kHz

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH12 2467MHz -R	
1	Horizontal	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VIEW:3000.000kHz	 Condition : PEAK_74 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VIEW:3000.000kHz
	 Condition : AVG_BE_54 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VIEW:1.000kHz	 Condition : AVG_54 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VIEW:1.000kHz

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH12 2467MHz -R	
1	Vertical	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT 9120D-1285 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz	 Condition : PEAK_74 3m HF_ANT 9120D-1285 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz
	 Condition : AVG_BE_54 3m HF_ANT 9120D-1285 VERTICAL : RBW:1000.000kHz VBW:1.000kHz	 Condition : AVG_54 3m HF_ANT 9120D-1285 VERTICAL : RBW:1000.000kHz VBW:1.000kHz

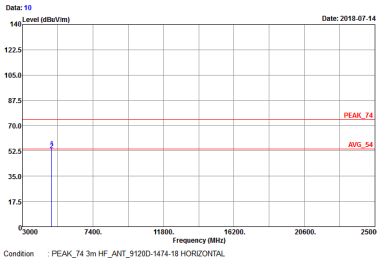
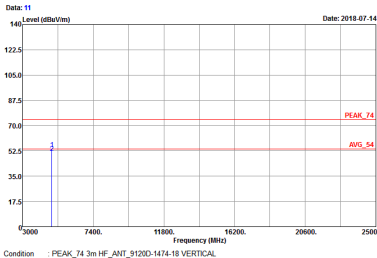
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH13 2472MHz -R	
1	Horizontal	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VBW:3000.000kHz	 Condition : PEAK_74 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VBW:3000.000kHz
	 Condition : AVG_BE_54 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VBW:1.000kHz	 Condition : AVG_54 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VBW:1.000kHz

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH13 2472MHz -R	
1	Vertical	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT 9120D-1285 VERTICAL : REW:1000.000kHz VBW:3000.000kHz	 Condition : PEAK_74 3m HF_ANT 9120D-1285 VERTICAL : REW:1000.000kHz VBW:3000.000kHz
	 Condition : AVG_BE_54 3m HF_ANT 9120D-1285 VERTICAL : REW:1000.000kHz VBW:1.000kHz	 Condition : AVG_54 3m HF_ANT 9120D-1285 VERTICAL : REW:1000.000kHz VBW:1.000kHz



2.4GHz 2400~2483.5MHz

WIFI 802.11b (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH01 2412MHz	
1	Horizontal	Vertical
Peak		



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH06 2437MHz	
1	Horizontal	Vertical
Peak	Data: 13 Level (dBu/V/m) Date: 2018-07-14 Condition : PEAK_T4 3m HF_ANT_91200-1474-18 HORIZONTAL	Data: 14 Level (dBu/V/m) Date: 2018-07-14 Condition : PEAK_T4 3m HF_ANT_91200-1474-18 VERTICAL

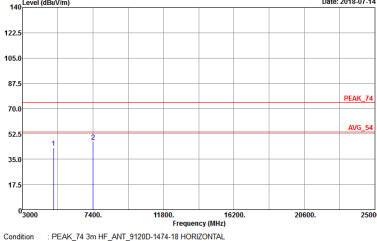
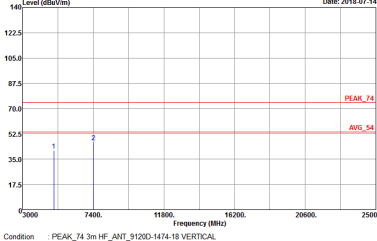


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH11 2462MHz	
1	Horizontal	Vertical
Peak	Data: 9 Level (dBuV/m) Date: 2018-07-14 Condition : PEAK_74 3m HF_ANT_91200-1474-18 HORIZONTAL	Data: 10 Level (dBuV/m) Date: 2018-07-14 Condition : PEAK_74 3m HF_ANT_91200-1474-18 VERTICAL



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH12 2467MHz	
1	Horizontal	Vertical
Peak	Data: 17 Level (dBu/V/m) Date: 2018-07-14 Condition : PEAK_T4 3m HF_ANT_91200-1474-18 HORIZONTAL	Data: 18 Level (dBu/V/m) Date: 2018-07-14 Condition : PEAK_T4 3m HF_ANT_91200-1474-18 VERTICAL



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH13 2472MHz	
1	Horizontal	Vertical
Peak	Data: 17 Level (dBu/Vm) Date: 2018-07-14  Condition : PEAK_T4 3m HF_ANT_91200-1474-18 HORIZONTAL	Data: 18 Level (dBu/Vm) Date: 2018-07-14  Condition : PEAK_T4 3m HF_ANT_91200-1474-18 VERTICAL



2.4GHz 2400~2483.5MHz

WIFI 802.11g (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH01 2412MHz	
1	Horizontal	Vertical
Peak	Date: 21 Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0 -2000 0 2000 4000 6000 8000 10000 12000 14000 16000 18000 20000 22000 24000 26000 Frequency (MHz) PEAK_74 AVG_54 Condition : PEAK_74 3m HF_ANT 9120D-1285 HORIZONTAL	Date: 22 Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0 -2000 0 2000 4000 6000 8000 10000 12000 14000 16000 18000 20000 22000 24000 26000 Frequency (MHz) PEAK_74 AVG_54 Condition : PEAK_74 3m HF_ANT 9120D-1285 VERTICAL



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH06 2437MHz	
1	Horizontal	Vertical
Peak	Date: 17 Level (dBuV/m) Date: 2018-07-11 Condition : PEAK_74 3m HF_ANT 9120D-1285 HORIZONTAL	Date: 18 Level (dBuV/m) Date: 2018-07-11 Condition : PEAK_74 3m HF_ANT 9120D-1285 VERTICAL



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH11 2462MHz	
1	Horizontal	Vertical
Peak	Date: 21 Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0 5000 6000 8000 10000 12000 14000 16000 18000 20000 22000 24000 25000 Frequency (MHz) PEAK_74 AVG_54 Condition : PEAK_74 3m HF_ANT 91200-1285 HORIZONTAL	Date: 22 Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0 5000 6000 8000 10000 12000 14000 16000 18000 20000 22000 24000 25000 Frequency (MHz) PEAK_74 AVG_54 Condition : PEAK_74 3m HF_ANT 91200-1285 VERTICAL



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH12 2467MHz	
1	Horizontal	Vertical
Peak	Date: 21 Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0 Frequency (MHz) 2000 6000 8000 10000 12000 14000 16000 18000 20000 22000 24000 25000 Condition : PEAK_74 3m HF_ANT 91200-1285 HORIZONTAL PEAK_74 AVG_54	Date: 22 Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0 Frequency (MHz) 2000 6000 8000 10000 12000 14000 16000 18000 20000 22000 24000 25000 Condition : PEAK_74 3m HF_ANT 91200-1285 VERTICAL PEAK_74 AVG_54



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH13 2472MHz	
1	Horizontal	Vertical
Peak	Date: 21 Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0 Frequency (MHz) 2000 6000 8000 10000 12000 14000 16000 18000 20000 22000 24000 25000 Condition : PEAK_74 3m HF_ANT 9120D-1285 HORIZONTAL	Date: 22 Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0 Frequency (MHz) 2000 6000 8000 10000 12000 14000 16000 18000 20000 22000 24000 25000 Condition : PEAK_74 3m HF_ANT 9120D-1285 VERTICAL



2.4GHz 2400~2483.5MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
1	Horizontal	Vertical
Peak	Graph 5: Horizontal Polarization Y-axis: Level (dBuV/m) from 0 to 140. X-axis: Frequency (MHz) from 2000 to 25000. Date: 2018-07-10. Peak 74 is at approximately 2412 MHz with a level of about 70 dBuV/m. Average 54 is at approximately 2412 MHz with a level of about 55 dBuV/m. Condition : PEAK_74 3m HF_ANT 9120D-1285 HORIZONTAL	Graph 6: Vertical Polarization Y-axis: Level (dBuV/m) from 0 to 140. X-axis: Frequency (MHz) from 2000 to 25000. Date: 2018-07-10. Peak 74 is at approximately 2412 MHz with a level of about 70 dBuV/m. Average 54 is at approximately 2412 MHz with a level of about 55 dBuV/m. Condition : PEAK_74 3m HF_ANT 9120D-1285 VERTICAL



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH06 2437MHz	
1	Horizontal	Vertical
Peak	Date: 17 Level (dBuV/m) Date: 2018-07-11 Condition : PEAK_74 3m HF_ANT 9120D-1285 HORIZONTAL	Date: 18 Level (dBuV/m) Date: 2018-07-11 Condition : PEAK_74 3m HF_ANT 9120D-1285 VERTICAL



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
1	Horizontal	Vertical
Peak	Graph 5: Horizontal Spectrum Level (dBuV/m) vs Frequency (MHz) PEAK 74, AVG 54 Condition : PEAK_74_3m HF_ANT 9120D-128S HORIZONTAL	Graph 6: Vertical Spectrum Level (dBuV/m) vs Frequency (MHz) PEAK 74, AVG 54 Condition : PEAK_74_3m HF_ANT 9120D-128S VERTICAL

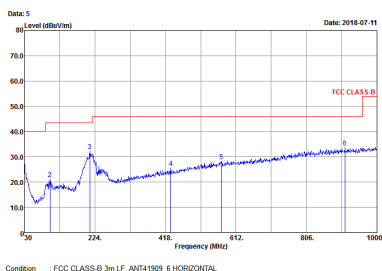
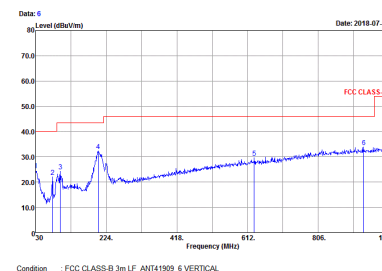


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH12 2462MHz	
1	Horizontal	Vertical
Peak	Date: 21 Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0 5000 6000 8000 10000 12000 14000 16000 18000 20000 22000 24000 25000 Frequency (MHz) PEAK_74 AVG_54 Condition : PEAK_74 3m HF_ANT 91200-1285 HORIZONTAL	Date: 22 Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0 5000 6000 8000 10000 12000 14000 16000 18000 20000 22000 24000 25000 Frequency (MHz) PEAK_74 AVG_54 Condition : PEAK_74 3m HF_ANT 91200-1285 VERTICAL

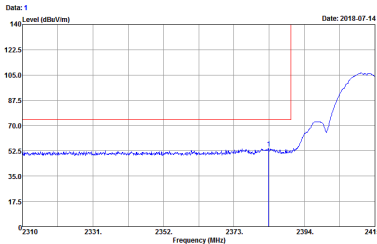
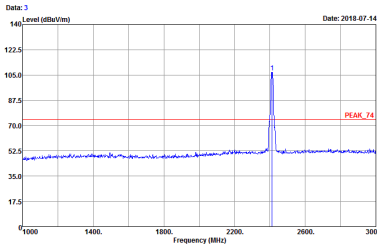
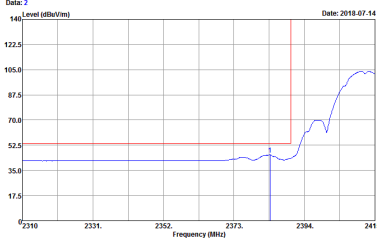
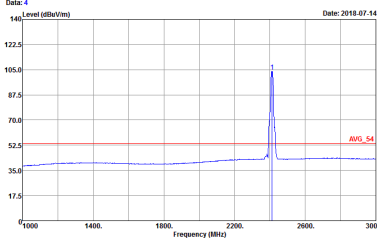


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH13 2472MHz	
1	Horizontal	Vertical
Peak	Date: 21 Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0 Frequency (MHz) 2000 6000 8000 10000 12000 14000 16000 18000 20000 22000 24000 25000 Condition : PEAK_74 3m HF_ANT 91200-1285 HORIZONTAL	Date: 22 Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0 Frequency (MHz) 2000 6000 8000 10000 12000 14000 16000 18000 20000 22000 24000 25000 Condition : PEAK_74 3m HF_ANT 91200-1285 VERTICAL

Emission below 1GHz
2.4GHz WIFI 802.11g (LF)

WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11g LF	
1	Horizontal	Vertical
QP / Peak	 Condition : FCC CLASS-B 3m LF_ANT41909_6 HORIZONTAL	 Condition : FCC CLASS-B 3m LF_ANT41909_6 VERTICAL

2.4GHz 2400~2483.5MHz
WIFI 802.11b (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz -L	
2	Horizontal	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT_91200-1474-18 HORIZONTAL : REW:1000.0000Hz VIEW:3000.0000Hz	 Condition : PEAK_74 3m HF_ANT_91200-1474-18 HORIZONTAL : REW:1000.0000Hz VIEW:3000.0000Hz
	 Condition : AVG_BE_54 3m HF_ANT_91200-1474-18 HORIZONTAL : REW:1000.0000Hz VIEW:0.0100Hz	 Condition : AVG_54 3m HF_ANT_91200-1474-18 HORIZONTAL : REW:1000.0000Hz VIEW:0.0100Hz

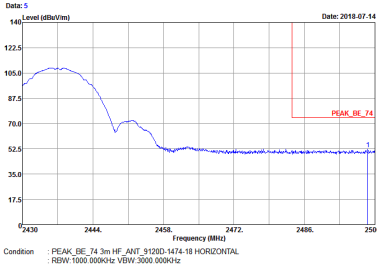
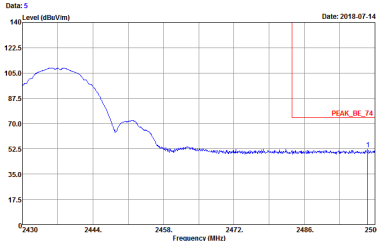


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz -L	
2	Vertical	Fundamental
Peak	Data: 5 Condition : PEAK_BE_74 3m HF_ANT_91200-1474-18 VERTICAL RESW: 1000.000kHz VBW: 3000.000kHz	Data: 7 Condition : PEAK_74 3m HF_ANT_91200-1474-18 VERTICAL RESW: 1000.000kHz VBW: 3000.000kHz
Avg.	Data: 6 Condition : AVG_BE_54 3m HF_ANT_91200-1474-18 VERTICAL RESW: 1000.000kHz VBW: 0.010kHz	Data: 8 Condition : AVG_54 3m HF_ANT_91200-1474-18 VERTICAL RESW: 1000.000kHz VBW: 0.010kHz

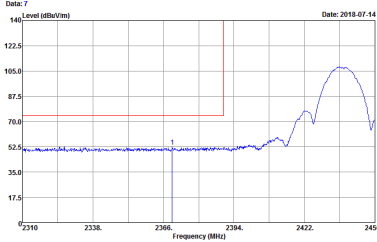
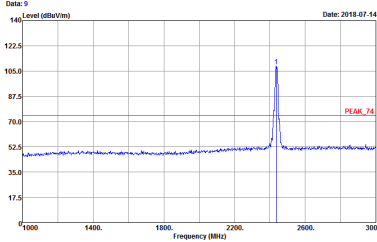
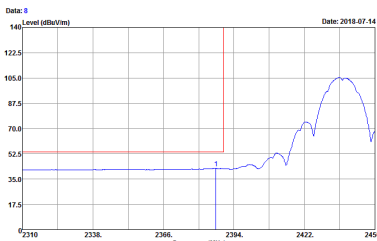
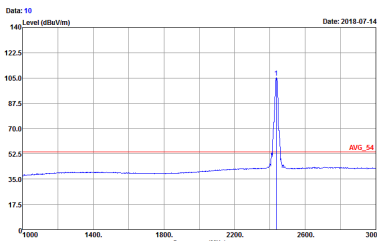


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
2	Horizontal	Fundamental
Peak	Data: 1 Condition : PEAK_BE_74 3m HF_ANT_9120D-1474-18 HORIZONTAL RESW: 1000.000kHz VBW: 3000.000kHz	Data: 3 Condition : PEAK_74 3m HF_ANT_9120D-1474-18 HORIZONTAL RESW: 1000.000kHz VBW: 3000.000kHz
Avg.	Data: 2 Condition : AVG_BE_54 3m HF_ANT_9120D-1474-18 HORIZONTAL RESW: 1000.000kHz VBW: 0.010kHz	Data: 4 Condition : AVG_54 3m HF_ANT_9120D-1474-18 HORIZONTAL RESW: 1000.000kHz VBW: 0.010kHz

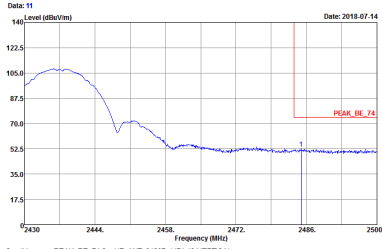
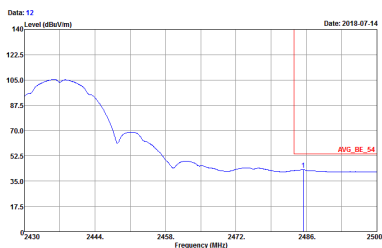


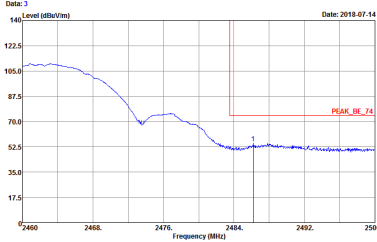
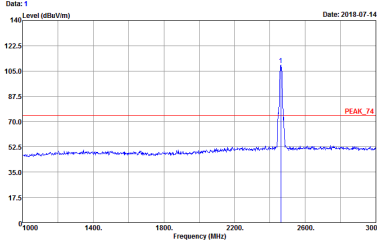
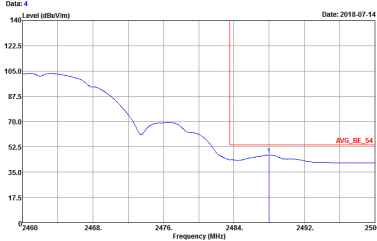
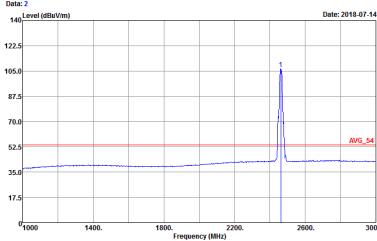
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
2	Horizontal	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT_51200-1474-18 HORIZONTAL RESW 1000.000kHz VBW 3000.000kHz	Left blank
Avg.	 Condition : PEAK_BE_74 3m HF_ANT_51200-1474-18 HORIZONTAL RESW 1000.000kHz VBW 3000.000kHz	Left blank

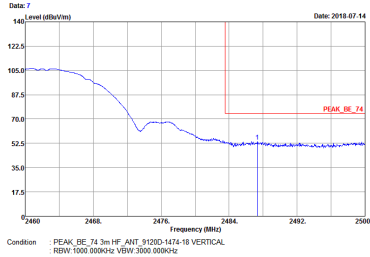
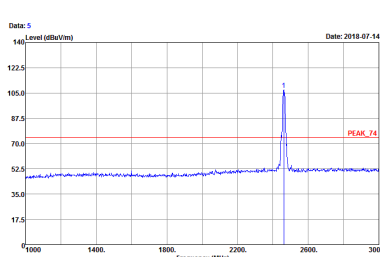
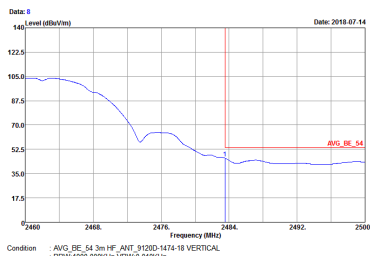
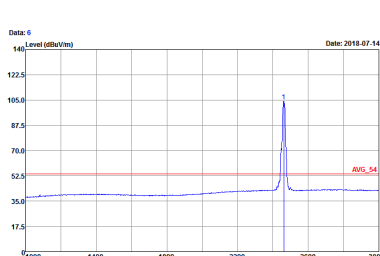


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
2	Vertical	Fundamental
Peak	Date: 7 Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 2310 2338 2366 2394 2422 2450 Frequency (MHz) Condition : PEAK_BE_74 3m HF_ANT_91200-1474-18 VERTICAL RESW: 1000.000kHz VBW: 3000.000kHz 	Date: 9 Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 1000 1400 1800 2200 2600 3000 Frequency (MHz) Condition : PEAK_74 3m HF_ANT_91200-1474-18 VERTICAL RESW: 1000.000kHz VBW: 3000.000kHz 
Avg.	Date: 8 Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 2310 2338 2366 2394 2422 2450 Frequency (MHz) Condition : AVG_BE_54 3m HF_ANT_91200-1474-18 VERTICAL RESW: 1000.000kHz VBW: 0.010kHz 	Date: 10 Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 1000 1400 1800 2200 2600 3000 Frequency (MHz) Condition : AVG_54 3m HF_ANT_91200-1474-18 VERTICAL RESW: 1000.000kHz VBW: 0.010kHz 



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
2	Vertical	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT_91200-1474-18 VERTICAL RESW 1000.000000Hz VBW 3000.000000Hz	Left blank
Avg.	 Condition : AVG_BE_54 3m HF_ANT_91200-1474-18 VERTICAL RESW 1000.000000Hz VBW 0.010000Hz	Left blank

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz -R	
2	Horizontal	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT_91200-1474-18 HORIZONTAL RESW: 1000.000kHz VBW: 3000.000kHz	 Condition : PEAK_74 3m HF_ANT_91200-1474-18 HORIZONTAL RESW: 1000.000kHz VBW: 3000.000kHz
	 Condition : AVG_BE_54 3m HF_ANT_91200-1474-18 HORIZONTAL RESW: 1000.000kHz VBW: 0.010kHz	 Condition : AVG_54 3m HF_ANT_91200-1474-18 HORIZONTAL RESW: 1000.000kHz VBW: 0.010kHz

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz -R	
2	Vertical	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT_9120D-1474-18 VERTICAL RESW:1000.000kHz VIEW:2000.000kHz	 Condition : PEAK_74 3m HF_ANT_9120D-1474-18 VERTICAL RESW:1000.000kHz VIEW:2000.000kHz
	 Condition : AVG_BE_54 3m HF_ANT_9120D-1474-18 VERTICAL RESW:1000.000kHz VIEW:0.010kHz	 Condition : AVG_54 3m HF_ANT_9120D-1474-18 VERTICAL RESW:1000.000kHz VIEW:0.010kHz

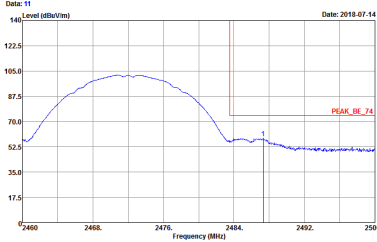
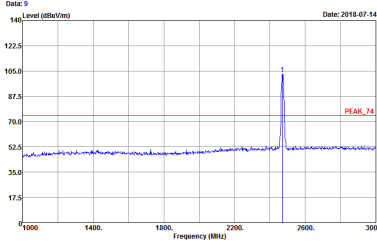
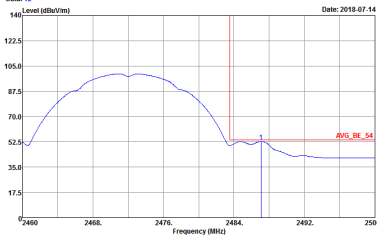
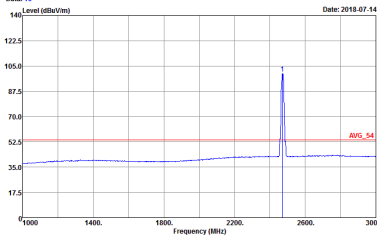


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH12 2467MHz -R	
2	Horizontal	Fundamental
Peak	Date: 11 Level (dBuV/m) Date: 2018-07-13 Condition : PEAK_BE_74 3m HF_ANT_91200-1474-18 HORIZONTAL RESW: 1000.000kHz VBW: 3000.000kHz	Date: 9 Level (dBuV/m) Date: 2018-07-13 Condition : PEAK_74 3m HF_ANT_91200-1474-18 HORIZONTAL RESW: 1000.000kHz VBW: 3000.000kHz
Avg.	Date: 12 Level (dBuV/m) Date: 2018-07-13 Condition : AVG_BE_54 3m HF_ANT_91200-1474-18 HORIZONTAL RESW: 1000.000kHz VBW: 0.010kHz	Date: 10 Level (dBuV/m) Date: 2018-07-13 Condition : AVG_54 3m HF_ANT_91200-1474-18 HORIZONTAL RESW: 1000.000kHz VBW: 0.010kHz



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH12 2467MHz -R	
2	Vertical	Fundamental
Peak	Graph 15: Level (dBuV/m) vs Frequency (MHz) for Vertical. Date: 2018-07-14. The graph shows a peak at 2467 MHz. The Y-axis ranges from 17.5 to 140 dBuV/m. The X-axis ranges from 2469 to 2500 MHz. The peak is labeled PEAK_BE_74. Condition : PEAK_BE_74 3m HF_ANT_91200-1474-18 VERTICAL RESW: 1000.000kHz VBW: 3000.000kHz	Graph 13: Level (dBuV/m) vs Frequency (MHz) for Fundamental. Date: 2018-07-14. The graph shows a peak at 2467 MHz. The Y-axis ranges from 17.5 to 140 dBuV/m. The X-axis ranges from 1000 to 3000 MHz. The peak is labeled PEAK_74. Condition : PEAK_74 3m HF_ANT_91200-1474-18 VERTICAL RESW: 1000.000kHz VBW: 3000.000kHz
Avg.	Graph 16: Level (dBuV/m) vs Frequency (MHz) for Vertical. Date: 2018-07-14. The graph shows a peak at 2467 MHz. The Y-axis ranges from 17.5 to 140 dBuV/m. The X-axis ranges from 2469 to 2500 MHz. The peak is labeled AVG_BE_54. Condition : AVG_BE_54 3m HF_ANT_91200-1474-18 VERTICAL RESW: 1000.000kHz VBW: 0.010kHz	Graph 14: Level (dBuV/m) vs Frequency (MHz) for Fundamental. Date: 2018-07-14. The graph shows a peak at 2467 MHz. The Y-axis ranges from 17.5 to 140 dBuV/m. The X-axis ranges from 1000 to 3000 MHz. The peak is labeled AVG_54. Condition : AVG_54 3m HF_ANT_91200-1474-18 VERTICAL RESW: 1000.000kHz VBW: 0.010kHz

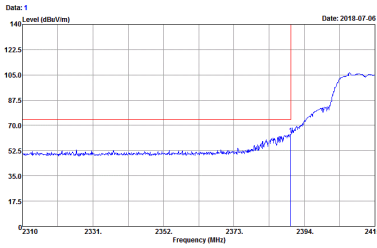
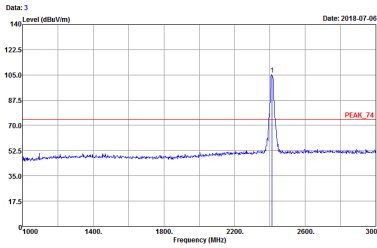
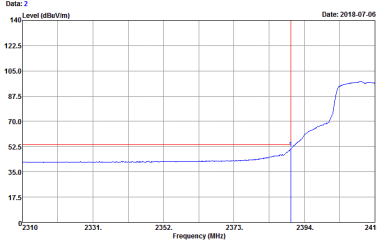
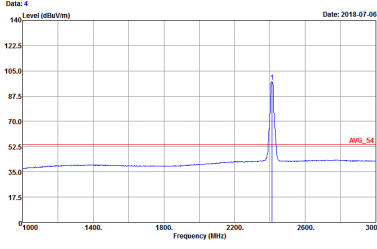


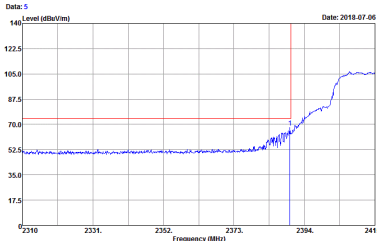
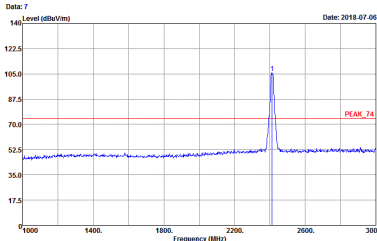
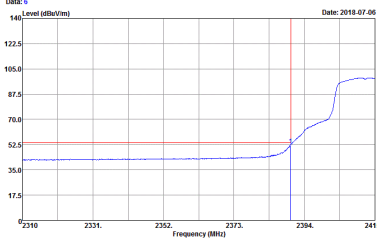
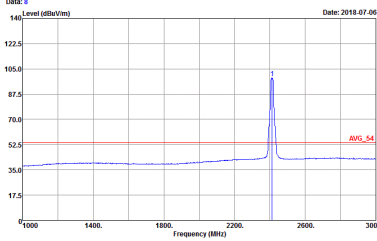
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH13 2472MHz -R	
2	Horizontal	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT_91200-1474-18 HORIZONTAL RESW: 1000.000kHz VBW: 3000.000kHz	 Condition : PEAK_74 3m HF_ANT_91200-1474-18 HORIZONTAL RESW: 1000.000kHz VBW: 3000.000kHz
	 Condition : AVG_BE_54 3m HF_ANT_91200-1474-18 HORIZONTAL RESW: 1000.000kHz VBW: 0.010kHz	 Condition : AVG_54 3m HF_ANT_91200-1474-18 HORIZONTAL RESW: 1000.000kHz VBW: 0.010kHz



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH13 2472MHz -R	
2	Vertical	Fundamental
Peak	Date: 15 Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 2460 2468 2476 2484 2492 2500 Frequency (MHz) Condition : PEAK_BE_74 3m HF_ANT_91200-1474-18 VERTICAL RESW: 1000.000kHz VBW: 3000.000kHz	Date: 13 Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 1000 1400 1800 2200 2600 3000 Frequency (MHz) Condition : PEAK_74 3m HF_ANT_91200-1474-18 VERTICAL RESW: 1000.000kHz VBW: 3000.000kHz
vg.	Date: 16 Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 2460 2468 2476 2484 2492 2500 Frequency (MHz) Condition : AVG_BE_54 3m HF_ANT_91200-1474-18 VERTICAL RESW: 1000.000kHz VBW: 0.010kHz	Date: 14 Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 1000 1400 1800 2200 2600 3000 Frequency (MHz) Condition : AVG_54 3m HF_ANT_91200-1474-18 VERTICAL RESW: 1000.000kHz VBW: 0.010kHz

2.4GHz 2400~2483.5MHz
WIFI 802.11g (Band Edge @ 3m)

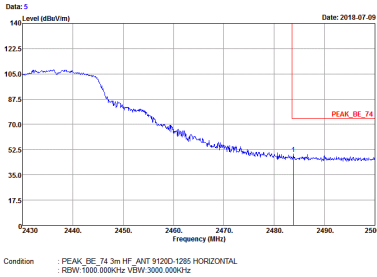
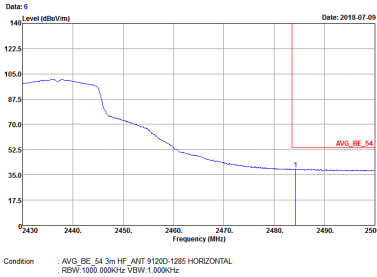
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz -L	
2	Horizontal	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT_9120D-1474-18 HORIZONTAL : REW:1000.000kHz VBW:3000.000kHz	 Condition : PEAK_74 3m HF_ANT_9120D-1474-18 HORIZONTAL : REW:1000.000kHz VBW:3000.000kHz
	 Condition : AVG_BE_54 3m HF_ANT_9120D-1474-18 HORIZONTAL : REW:1000.000kHz VBW:1.000kHz	 Condition : AVG_54 3m HF_ANT_9120D-1474-18 HORIZONTAL : REW:1000.000kHz VBW:1.000kHz

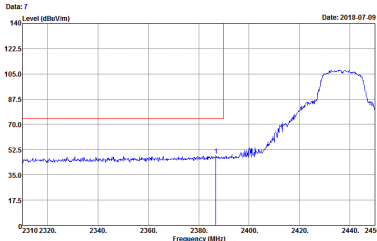
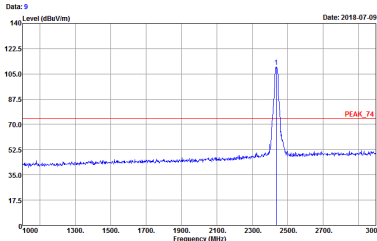
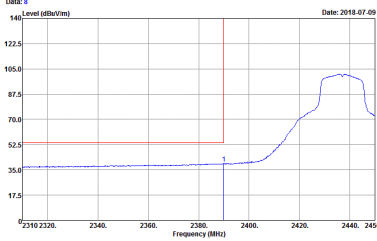
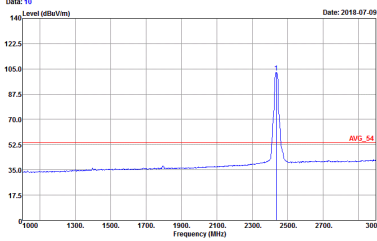
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz -L	
2	Vertical	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT_9120D-1474-18 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz	 Condition : PEAK_74 3m HF_ANT_9120D-1474-18 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz
	 Condition : AVG_BE_54 3m HF_ANT_9120D-1474-18 VERTICAL : RBW:1000.000kHz VBW:1.000kHz	 Condition : AVG_54 3m HF_ANT_9120D-1474-18 VERTICAL : RBW:1000.000kHz VBW:1.000kHz



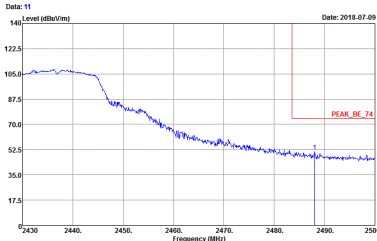
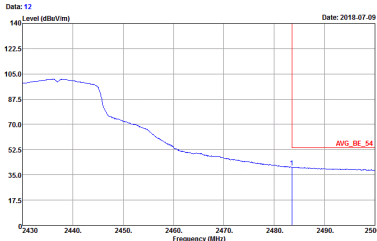
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
2	Horizontal	Fundamental
Peak	Graph 1: Peak measurement of the horizontal signal. The y-axis is Level (dBuV/m) from 17.5 to 140. The x-axis is Frequency (MHz) from 2310 to 2450. The signal shows a sharp peak at approximately 2437 MHz, reaching a level of about 125 dBuV/m. The condition is: PEAK_BE_74 3m HF_ANT 9120D-1285 HORIZONTAL, REW:1000.000kHz, VIEW:3000.000kHz.	Graph 2: Peak measurement of the fundamental signal. The y-axis is Level (dBuV/m) from 17.5 to 140. The x-axis is Frequency (MHz) from 1000 to 3000. The signal shows a sharp peak at approximately 2437 MHz, reaching a level of about 125 dBuV/m. The condition is: PEAK_74 3m HF_ANT 9120D-1285 HORIZONTAL, REW:1000.000kHz, VIEW:3000.000kHz.
Avg.	Graph 3: Average measurement of the horizontal signal. The y-axis is Level (dBuV/m) from 17.5 to 140. The x-axis is Frequency (MHz) from 2310 to 2450. The signal shows a broad peak at approximately 2437 MHz, reaching a level of about 105 dBuV/m. The condition is: AVG_BE_54 3m HF_ANT 9120D-1285 HORIZONTAL, REW:1000.000kHz, VIEW:1.000kHz.	Graph 4: Average measurement of the fundamental signal. The y-axis is Level (dBuV/m) from 17.5 to 140. The x-axis is Frequency (MHz) from 1000 to 3000. The signal shows a broad peak at approximately 2437 MHz, reaching a level of about 105 dBuV/m. The condition is: AVG_54 3m HF_ANT 9120D-1285 HORIZONTAL, REW:1000.000kHz, VIEW:1.000kHz.

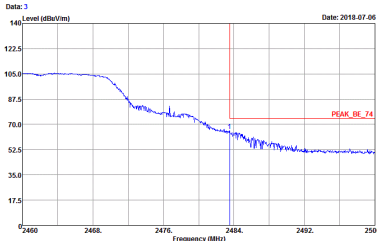
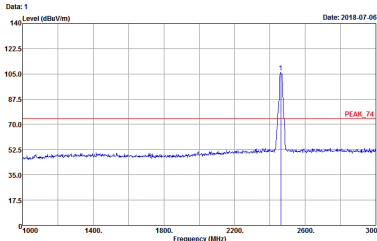
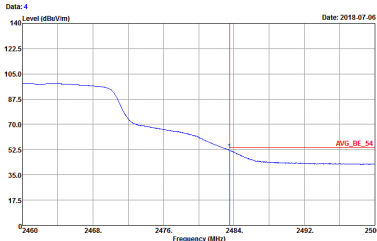
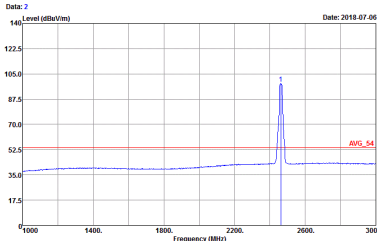


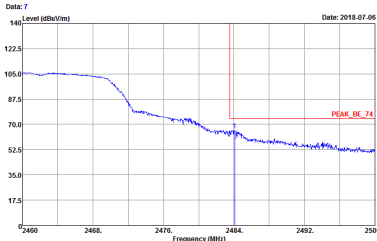
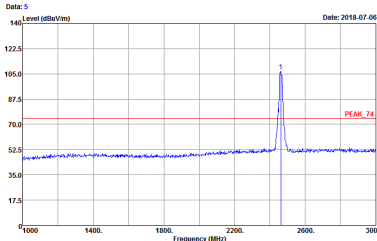
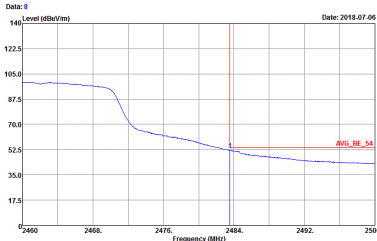
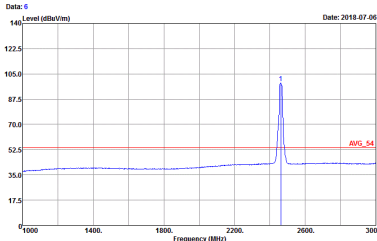
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

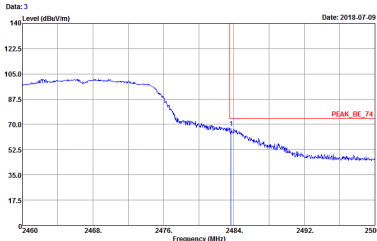
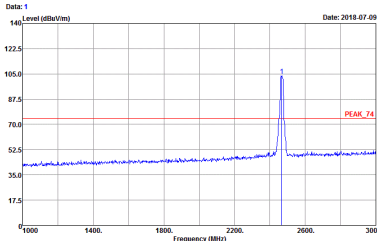
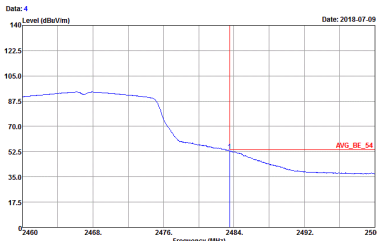
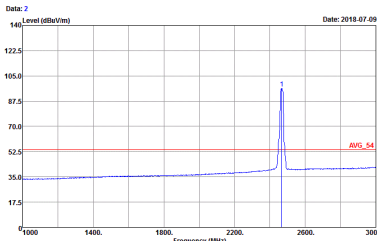
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
2	Vertical	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT 9120D-1285 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz	 Condition : PEAK_74 3m HF_ANT 9120D-1285 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz
	 Condition : AVG_BE_54 3m HF_ANT 9120D-1285 VERTICAL : RBW:1000.000kHz VBW:1.000kHz	 Condition : AVG_54 3m HF_ANT 9120D-1285 VERTICAL : RBW:1000.000kHz VBW:1.000kHz

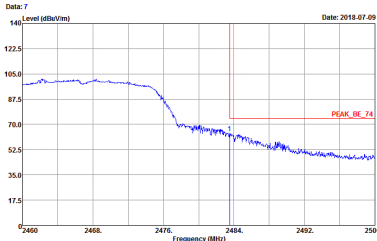
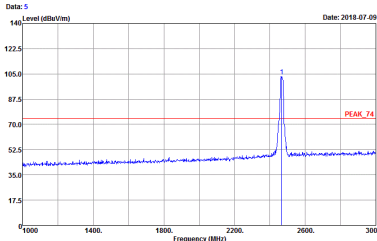
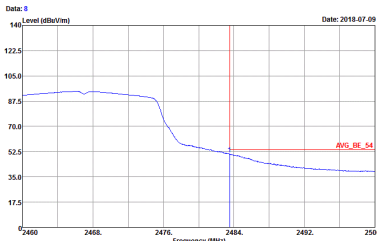
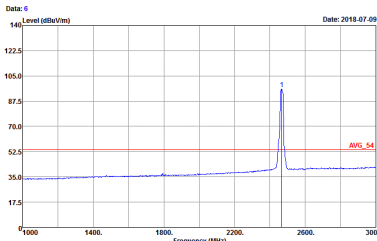


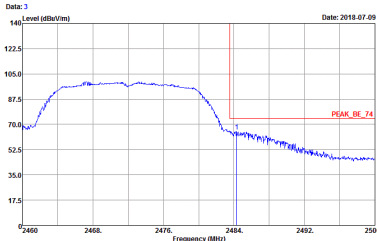
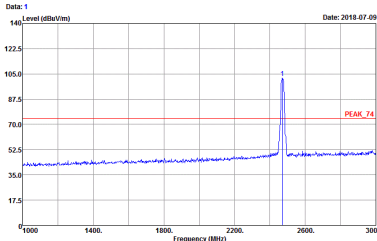
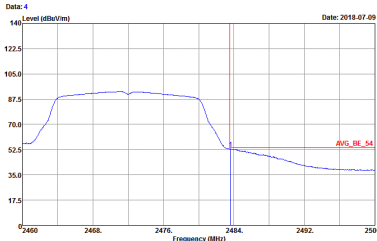
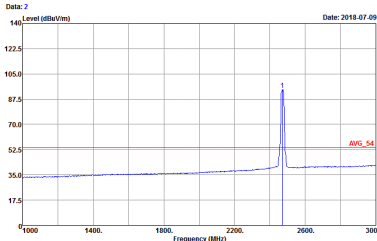
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
2	Vertical	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT 9120D-1285 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz	Left Blank
Avg.	 Condition : AVG_BE_54 3m HF_ANT 9120D-1285 VERTICAL : RBW:1000.000kHz VBW:1.000kHz	Left Blank

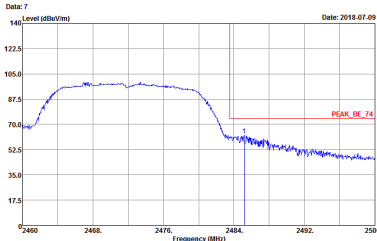
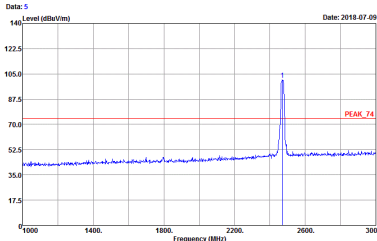
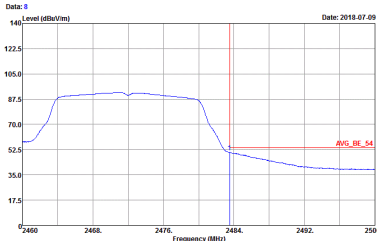
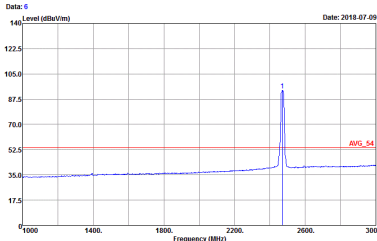
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz -R	
2	Horizontal	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT_9120D-1474-18 HORIZONTAL : REW:1000.000kHz VBW:3000.000kHz	 Condition : PEAK_74 3m HF_ANT_9120D-1474-18 HORIZONTAL : REW:1000.000kHz VBW:3000.000kHz
	 Condition : AVG_BE_54 3m HF_ANT_9120D-1474-18 HORIZONTAL : REW:1000.000kHz VBW:1.000kHz	 Condition : AVG_54 3m HF_ANT_9120D-1474-18 HORIZONTAL : REW:1000.000kHz VBW:1.000kHz

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz -R	
2	Vertical	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT_9120D-1474-18 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz	 Condition : PEAK_74 3m HF_ANT_9120D-1474-18 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz
	 Condition : AVG_BE_54 3m HF_ANT_9120D-1474-18 VERTICAL : RBW:1000.000kHz VBW:1.000kHz	 Condition : AVG_54 3m HF_ANT_9120D-1474-18 VERTICAL : RBW:1000.000kHz VBW:1.000kHz

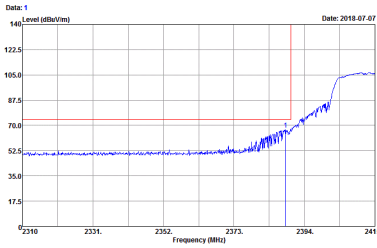
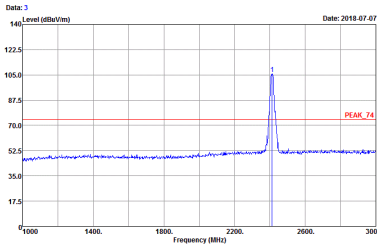
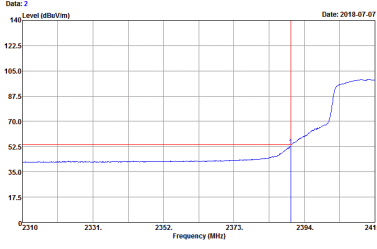
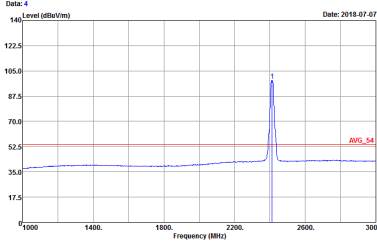
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH12 2467MHz -R	
2	Horizontal	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VIEW:3000.000kHz	 Condition : PEAK_74 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VIEW:3000.000kHz
	 Condition : AVG_BE_54 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VIEW:1.000kHz	 Condition : AVG_54 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VIEW:1.000kHz
Avg.		

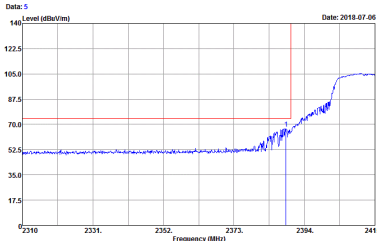
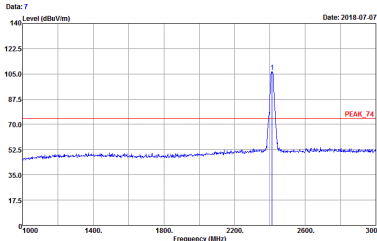
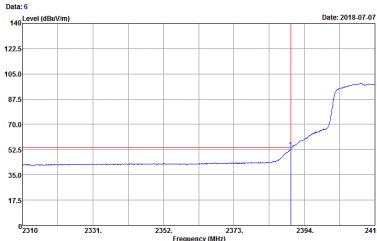
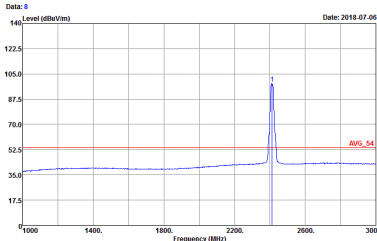
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH12 2467MHz -R	
2	Vertical	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT 9120D-1285 VERTICAL : REW:1000.000kHz VBW:3000.000kHz	 Condition : PEAK_74 3m HF_ANT 9120D-1285 VERTICAL : REW:1000.000kHz VBW:3000.000kHz
	 Condition : AVG_BE_54 3m HF_ANT 9120D-1285 VERTICAL : REW:1000.000kHz VBW:1.000kHz	 Condition : AVG_54 3m HF_ANT 9120D-1285 VERTICAL : REW:1000.000kHz VBW:1.000kHz

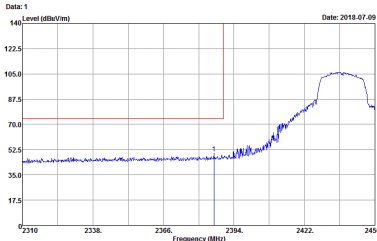
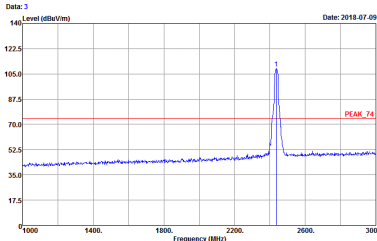
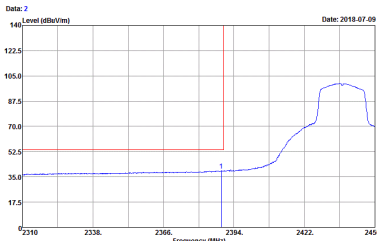
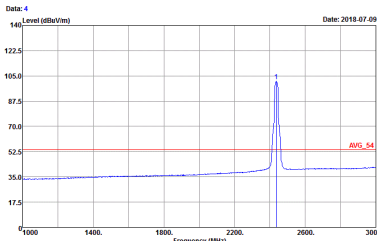
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH13 2472MHz -R	
2	Horizontal	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VIEW:3000.000kHz	 Condition : PEAK_74 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VIEW:3000.000kHz
	 Condition : AVG_BE_54 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VIEW:1.000kHz	 Condition : AVG_54 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VIEW:1.000kHz
Avg.		

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH13 2472MHz -R	
2	Vertical	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT 9120D-1285 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz	 Condition : PEAK_74 3m HF_ANT 9120D-1285 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz
	 Condition : AVG_BE_54 3m HF_ANT 9120D-1285 VERTICAL : RBW:1000.000kHz VBW:1.000kHz	 Condition : AVG_54 3m HF_ANT 9120D-1285 VERTICAL : RBW:1000.000kHz VBW:1.000kHz
Avg.		

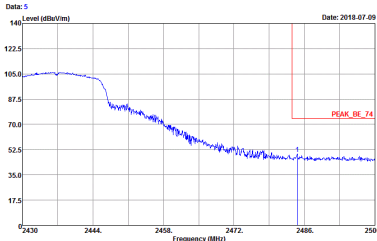
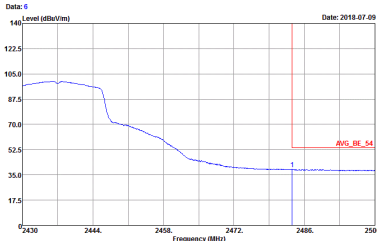
2.4GHz 2400~2483.5MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

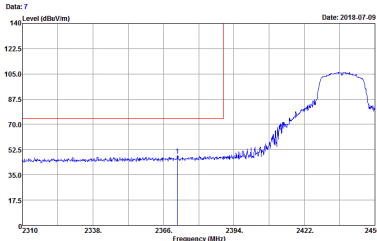
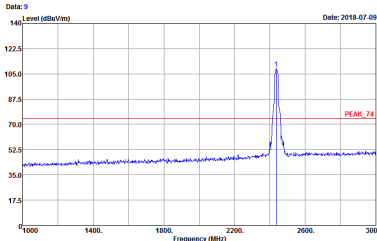
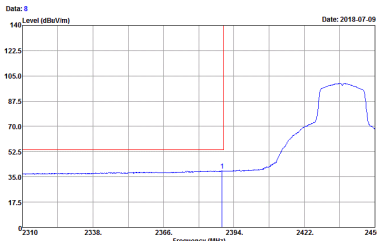
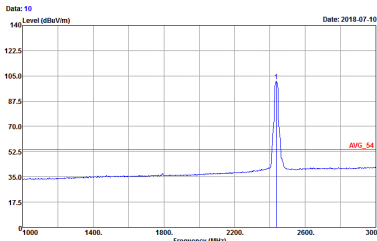
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH01 2412MHz -L	
2	Horizontal	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT_9120D-1474-18 HORIZONTAL : REW:1000.000kHz VEW:3000.000kHz	 Condition : PEAK_74 3m HF_ANT_9120D-1474-18 HORIZONTAL : REW:1000.000kHz VEW:3000.000kHz
	 Condition : AVG_BE_54 3m HF_ANT_9120D-1474-18 HORIZONTAL : REW:1000.000kHz VEW:1.000kHz	 Condition : AVG_54 3m HF_ANT_9120D-1474-18 HORIZONTAL : REW:1000.000kHz VEW:1.000kHz

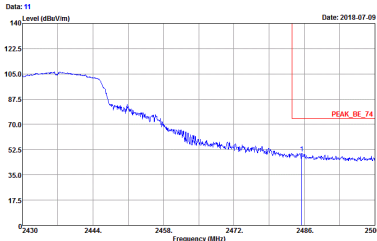
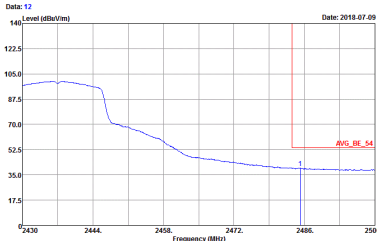
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH01 2412MHz -L	
2	Vertical	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT_9120D-1474-18 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz	 Condition : PEAK_74 3m HF_ANT_9120D-1474-18 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz
Avg.	 Condition : AVG_BE_54 3m HF_ANT_9120D-1474-18 VERTICAL : RBW:1000.000kHz VBW:1.000kHz	 Condition : AVG_54 3m HF_ANT_9120D-1474-18 VERTICAL : RBW:1000.000kHz VBW:1.000kHz

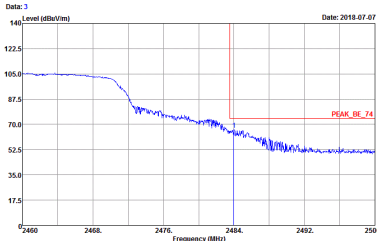
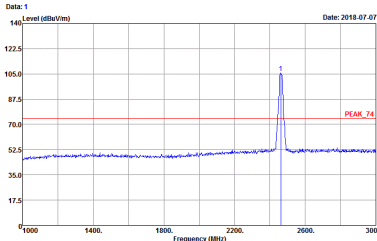
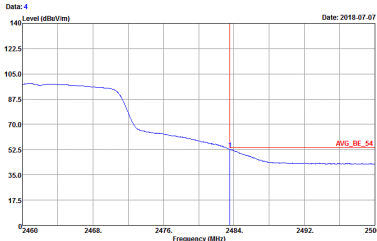
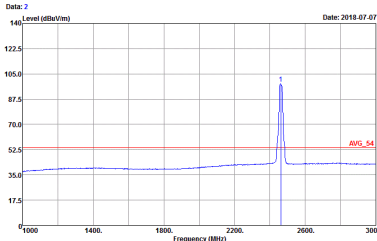
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - L	
2	Horizontal	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VIEW:3000.000kHz	 Condition : PEAK_74 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VIEW:3000.000kHz
	 Condition : AVG_BE_54 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VIEW:1.000kHz	 Condition : AVG_54 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VIEW:1.000kHz

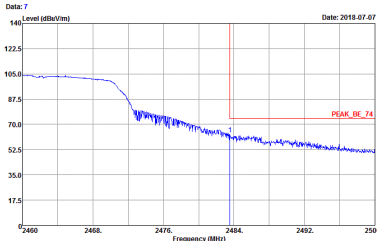
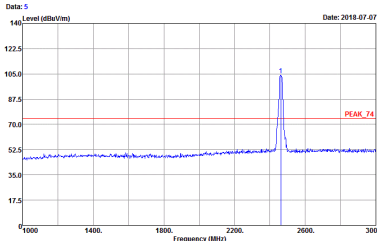
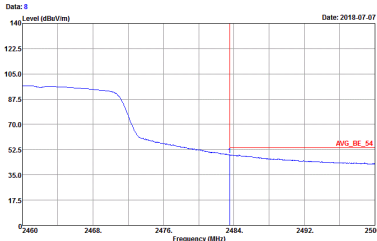
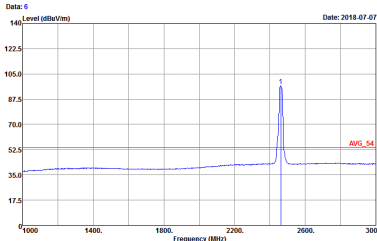


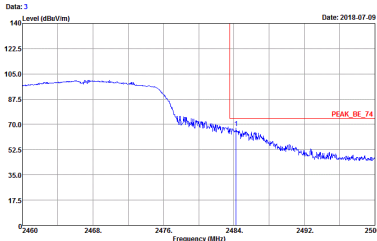
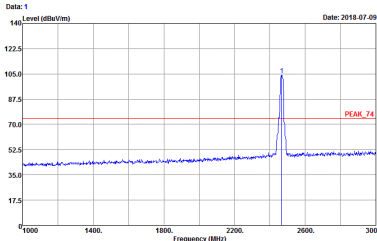
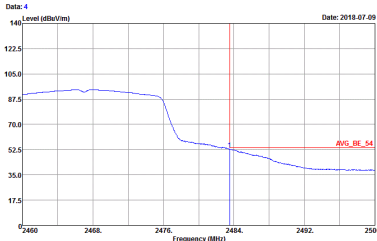
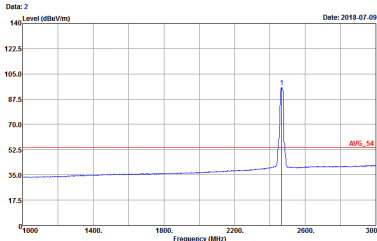
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
2	Horizontal	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT 9120D-1285 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz	Left blank
Avg.	 Condition : AVG_BE_54 3m HF_ANT 9120D-1285 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz	Left blank

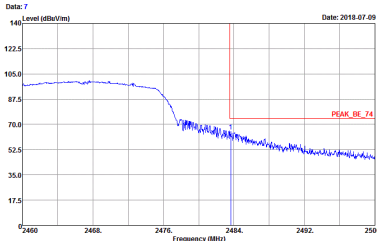
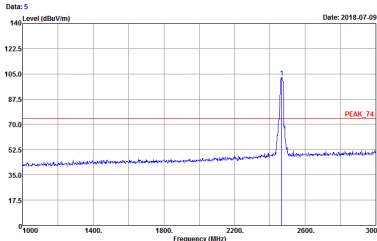
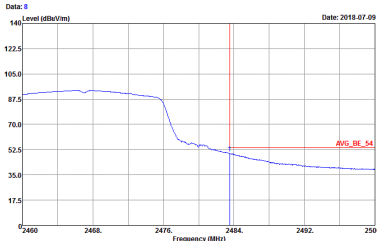
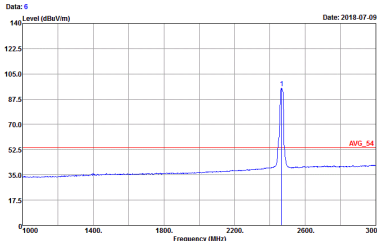
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - L	
2	Vertical	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT 9120D-1285 VERTICAL : REW:1000.000kHz VBW:3000.000kHz	 Condition : PEAK_74 3m HF_ANT 9120D-1285 VERTICAL : REW:1000.000kHz VBW:3000.000kHz
	 Condition : AVG_BE_54 3m HF_ANT 9120D-1285 VERTICAL : REW:1000.000kHz VBW:1.000kHz	 Condition : AVG_54 3m HF_ANT 9120D-1285 VERTICAL : REW:1000.000kHz VBW:1.000kHz

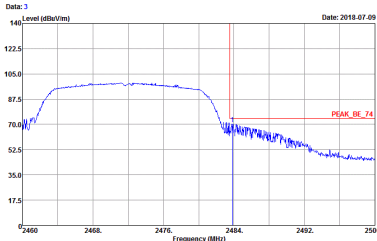
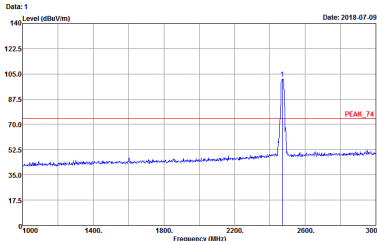
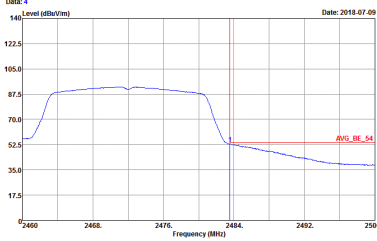
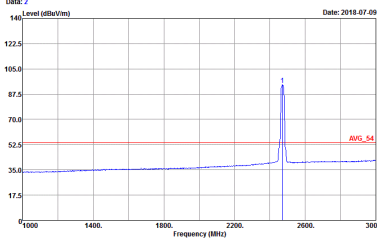
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
2	Vertical	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT 9120D-1285 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz	Left Blank
Avg.	 Condition : AVG_BE_54 3m HF_ANT 9120D-1285 VERTICAL : RBW:1000.000kHz VBW:1.000kHz	Left Blank

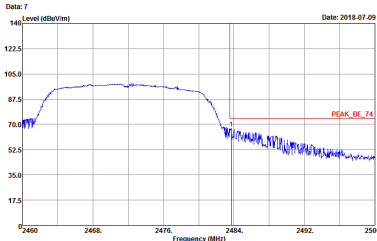
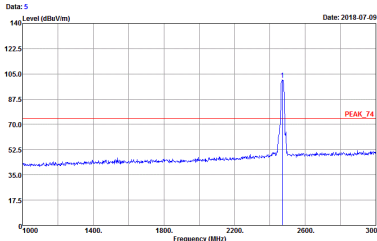
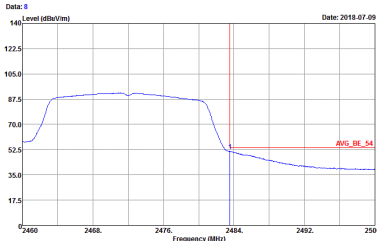
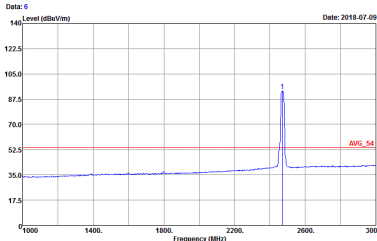
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH11 2462MHz -R	
2	Horizontal	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT_9120D-1474-18 HORIZONTAL : REW:1000.000kHz VBW:3000.000kHz	 Condition : PEAK_74 3m HF_ANT_9120D-1474-18 HORIZONTAL : REW:1000.000kHz VBW:3000.000kHz
	 Condition : AVG_BE_54 3m HF_ANT_9120D-1474-18 HORIZONTAL : REW:1000.000kHz VBW:1.000kHz	 Condition : AVG_54 3m HF_ANT_9120D-1474-18 HORIZONTAL : REW:1000.000kHz VBW:1.000kHz

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH11 2462MHz -R	
2	Vertical	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT_9120D-1474-18 VERTICAL : REW:1000.000kHz VBW:3000.000kHz	 Condition : PEAK_74 3m HF_ANT_9120D-1474-18 VERTICAL : REW:1000.000kHz VBW:3000.000kHz
	 Condition : AVG_BE_54 3m HF_ANT_9120D-1474-18 VERTICAL : REW:1000.000kHz VBW:1.000kHz	 Condition : AVG_54 3m HF_ANT_9120D-1474-18 VERTICAL : REW:1000.000kHz VBW:1.000kHz

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH12 2467MHz -R	
2	Horizontal	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VBW:3000.000kHz	 Condition : PEAK_74 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VBW:3000.000kHz
	 Condition : AVG_BE_54 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VBW:1.000kHz	 Condition : AVG_54 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VBW:1.000kHz

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH12 2467MHz -R	
2	Vertical	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT 9120D-1285 VERTICAL : REW:1000.000kHz VBW:3000.000kHz	 Condition : PEAK_74 3m HF_ANT 9120D-1285 VERTICAL : REW:1000.000kHz VBW:3000.000kHz
	 Condition : AVG_BE_54 3m HF_ANT 9120D-1285 VERTICAL : REW:1000.000kHz VBW:1.000kHz	 Condition : AVG_54 3m HF_ANT 9120D-1285 VERTICAL : REW:1000.000kHz VBW:1.000kHz

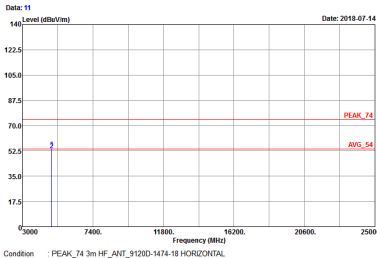
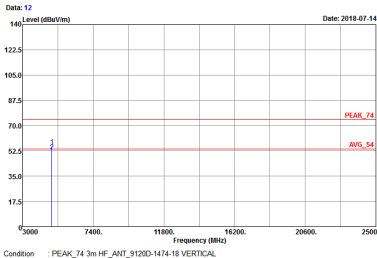
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH13 2472MHz -R	
2	Horizontal	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VIEW:3000.000kHz	 Condition : PEAK_74 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VIEW:3000.000kHz
	 Condition : AVG_BE_54 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VIEW:1.000kHz	 Condition : AVG_54 3m HF_ANT 9120D-1285 HORIZONTAL : REW:1000.000kHz VIEW:1.000kHz

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH13 2472MHz -R	
2	Vertical	Fundamental
Peak	 Condition : PEAK_BE_74 3m HF_ANT 9120D-1285 VERTICAL : REW:1000.000kHz VBW:3000.000kHz	 Condition : PEAK_74 3m HF_ANT 9120D-1285 VERTICAL : REW:1000.000kHz VBW:3000.000kHz
	 Condition : AVG_BE_54 3m HF_ANT 9120D-1285 VERTICAL : REW:1000.000kHz VBW:1.000kHz	 Condition : AVG_54 3m HF_ANT 9120D-1285 VERTICAL : REW:1000.000kHz VBW:1.000kHz



2.4GHz 2400~2483.5MHz

WIFI 802.11b (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH01 2412MHz	
2	Horizontal	Vertical
Peak		



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH06 2437MHz	
2	Horizontal	Vertical
Peak	Data: 13 Level (dBu/Vm) Date: 2018-07-14 Condition : PEAK_74 3m HF_ANT_91200-1474-18 HORIZONTAL	Data: 14 Level (dBu/Vm) Date: 2018-07-14 Condition : PEAK_74 3m HF_ANT_91200-1474-18 VERTICAL



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH11 2462MHz	
2	Horizontal	Vertical
Peak	Data: 9 Level (dBu/Vm) Date: 2018-07-14 Condition : PEAK_74 3m HF_ANT_91200-1474-18 HORIZONTAL	Data: 10 Level (dBu/Vm) Date: 2018-07-14 Condition : PEAK_74 3m HF_ANT_91200-1474-18 VERTICAL



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH12 2467MHz	
2	Horizontal	Vertical
Peak	Data: 17 Level (dBu/V/m) Date: 2018-07-14 Condition : PEAK_T4 3m HF_ANT_91200-1474-18 HORIZONTAL	Data: 18 Level (dBu/V/m) Date: 2018-07-14 Condition : PEAK_T4 3m HF_ANT_91200-1474-18 VERTICAL



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH13 2472MHz	
2	Horizontal	Vertical
Peak	Data: 17 Level (dBu/Vm) Date: 2018-07-14 Condition : PEAK_74 3m HF_ANT_9120D-1414-18 HORIZONTAL	Data: 18 Level (dBu/Vm) Date: 2018-07-14 Condition : PEAK_74 3m HF_ANT_9120D-1414-18 VERTICAL



2.4GHz 2400~2483.5MHz

WIFI 802.11g (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH01 2412MHz	
2	Horizontal	Vertical
Peak	Graph 5: Horizontal Polarization Level (dBuV/m) vs Frequency (MHz) Peak: 74, Avg: 54 Condition: PEAK_74 3m HF_ANT 9120D-1285 HORIZONTAL	Graph 6: Vertical Polarization Level (dBuV/m) vs Frequency (MHz) Peak: 74, Avg: 54 Condition: PEAK_74 3m HF_ANT 9120D-1285 VERTICAL



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH06 2437MHz	
2	Horizontal	Vertical
Peak	Date: 17 Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0 5000 7400 11800 16200 20600 25000 Frequency (MHz) PEAK_74 AVG_54 Condition : PEAK_74 3m HF_ANT 91200-1285 HORIZONTAL	Date: 18 Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0 5000 7400 11800 16200 20600 25000 Frequency (MHz) PEAK_74 AVG_54 Condition : PEAK_74 3m HF_ANT 91200-1285 VERTICAL



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH11 2462MHz	
2	Horizontal	Vertical
Peak	Date: 5 Level (dBuV/m) Date: 2018-07-10 Condition : PEAK_74 3m HF_ANT 91200-1285 HORIZONTAL	Date: 6 Level (dBuV/m) Date: 2018-07-10 Condition : PEAK_74 3m HF_ANT 91200-1285 VERTICAL



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH12 2467MHz	
2	Horizontal	Vertical
Peak	Date: 13 Level (dBuV/m) Date: 2018-07-10 Condition : PEAK_74 3m HF_ANT 91200-1285 HORIZONTAL	Date: 14 Level (dBuV/m) Date: 2018-07-10 Condition : PEAK_74 3m HF_ANT 91200-1285 VERTICAL



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH13 2472MHz	
2	Horizontal	Vertical
Peak	Date: 13 Date: 2018-07-10 Condition : PEAK_74 3m HF_ANT 91200-1285 HORIZONTAL	Date: 14 Date: 2018-07-10 Condition : PEAK_74 3m HF_ANT 91200-1285 VERTICAL



2.4GHz 2400~2483.5MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
2	Horizontal	Vertical
Peak	Graph 5: Horizontal Polarization Y-axis: Level (dBuV/m) from 0 to 140. X-axis: Frequency (MHz) from 3000 to 25000. Date: 2018-07-10. Condition : PEAK_74 3m HF_ANT 9120D-1285 HORIZONTAL Peak level: 74 dBuV/m (PEAK_74). Average level: 54 dBuV/m (AVG_54).	Graph 6: Vertical Polarization Y-axis: Level (dBuV/m) from 0 to 140. X-axis: Frequency (MHz) from 3000 to 25000. Date: 2018-07-10. Condition : PEAK_74 3m HF_ANT 9120D-1285 VERTICAL Peak level: 74 dBuV/m (PEAK_74). Average level: 54 dBuV/m (AVG_54).



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH06 2437MHz	
2	Horizontal	Vertical
Peak	Date: 17 Level (dBuV/m) Date: 2018-07-10 Condition : PEAK_74 3m HF_ANT 9120D-1285 HORIZONTAL	Date: 18 Level (dBuV/m) Date: 2018-07-10 Condition : PEAK_74 3m HF_ANT 9120D-1285 VERTICAL



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
2	Horizontal	Vertical
Peak	Graph 5: Horizontal Spectrum Level (dBuV/m) vs Frequency (MHz) Peak 1 at ~2400 MHz, Peak 2 at ~2462 MHz PEAK_74, AVG_54 Condition : PEAK_74 3m HF_ANT 9120D-1285 HORIZONTAL	Graph 6: Vertical Spectrum Level (dBuV/m) vs Frequency (MHz) Peak 1 at ~2400 MHz, Peak 2 at ~2462 MHz PEAK_74, AVG_54 Condition : PEAK_74 3m HF_ANT 9120D-1285 VERTICAL

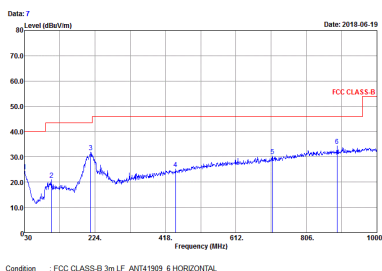
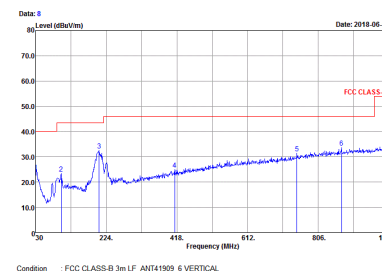


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH12 2462MHz	
2	Horizontal	Vertical
Peak	Date: 13 Level (dBuV/m) Date: 2018-07-10 Condition : PEAK_74 3m HF_ANT 91200-1285 HORIZONTAL	Date: 14 Level (dBuV/m) Date: 2018-07-10 Condition : PEAK_74 3m HF_ANT 91200-1285 VERTICAL



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH13 2472MHz	
2	Horizontal	Vertical
Peak	Date: 13 Level (dBuV/m) Date: 2018-07-10 Condition : PEAK_74_3m HF_ANT 9120D-1285 HORIZONTAL	Date: 14 Level (dBuV/m) Date: 2018-07-10 Condition : PEAK_74_3m HF_ANT 9120D-1285 VERTICAL

Emission below 1GHz
2.4GHz WIFI 802.11b (LF)

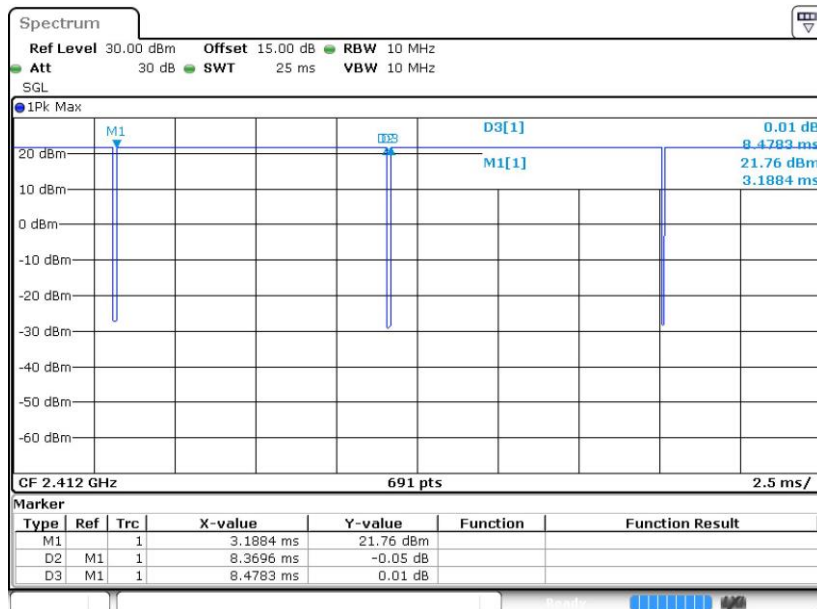
WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11b LF	
2	Horizontal	Vertical
QP / Peak		

Appendix D. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor(dB)
1	802.11b	99.04	8370.00	0.12	10Hz	0.06
2	802.11b	99.04	8377.00	0.12	10Hz	0.06
1	802.11g	95.39	1391.00	0.72	1kHz	0.31
2	802.11g	95.39	1391.00	0.72	1kHz	0.28
1	2.4GHz 802.11n HT20	95.07	1297.00	0.77	1kHz	0.33
2	2.4GHz 802.11n HT20	95.05	1297.00	0.77	1kHz	0.33

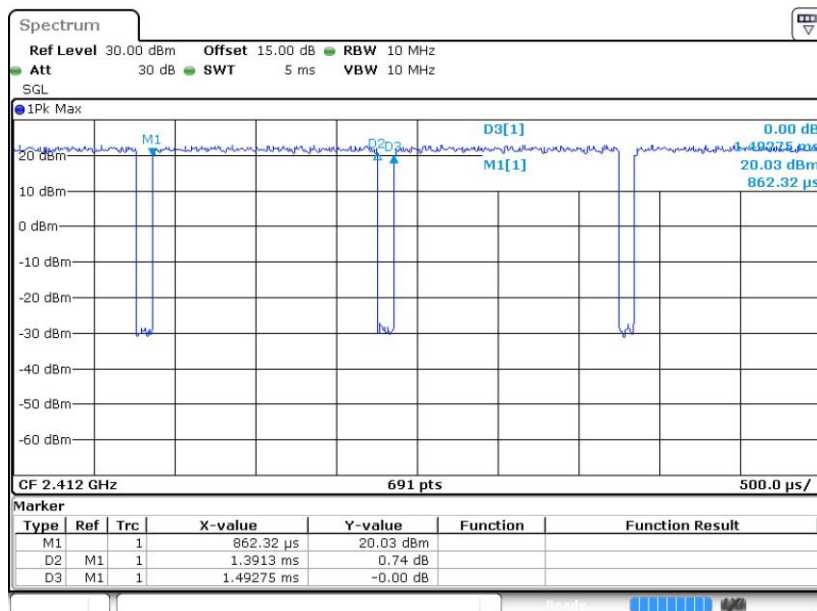
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802.11b



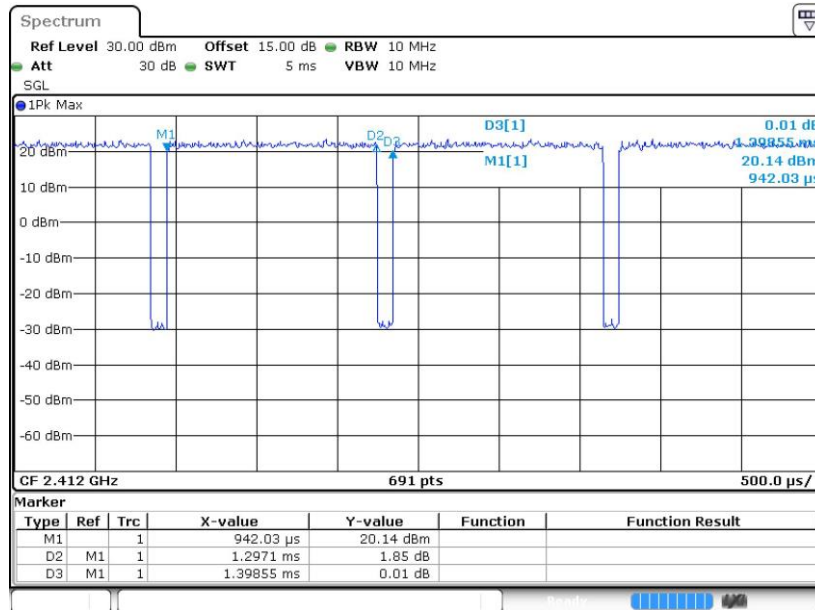
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802.11g



Date: 13 JUN 2018 14:16:25

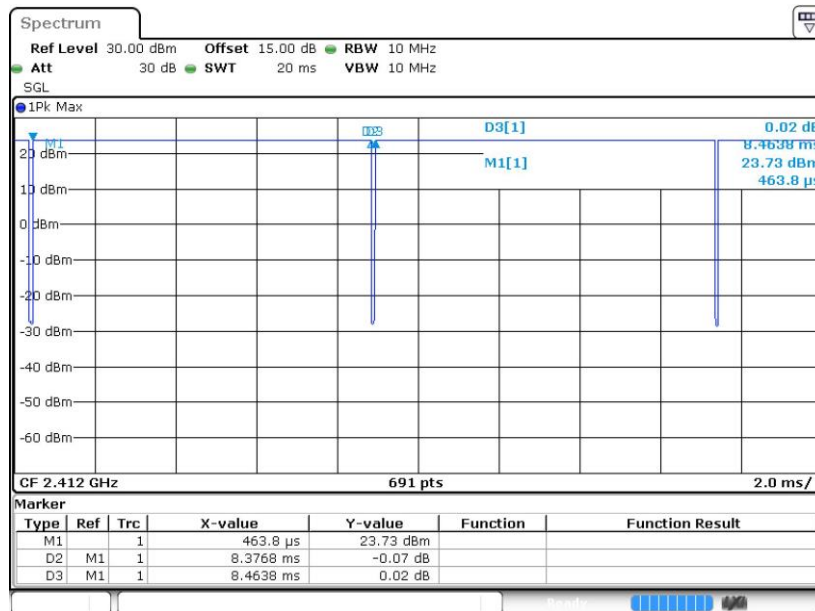
802.11n HT20



Date: 13 JUN 2018 14:26:20

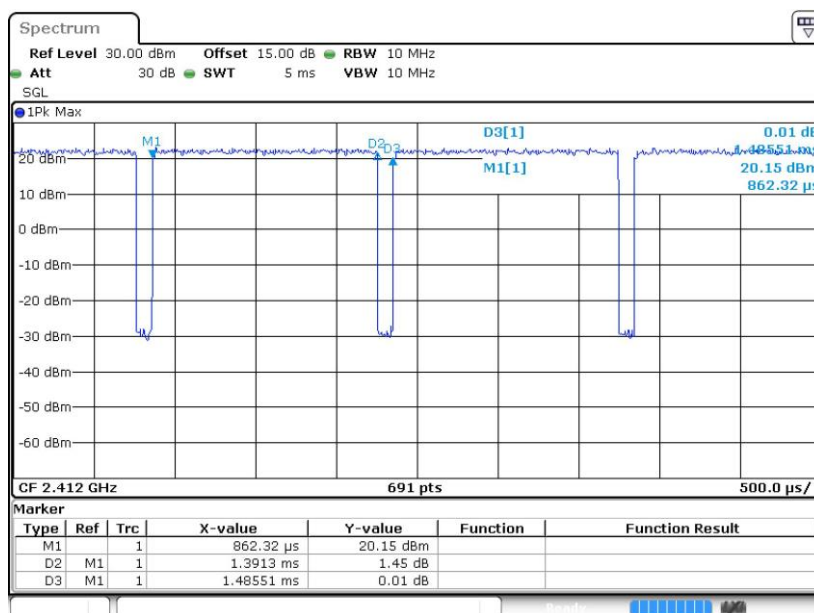
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802.11b



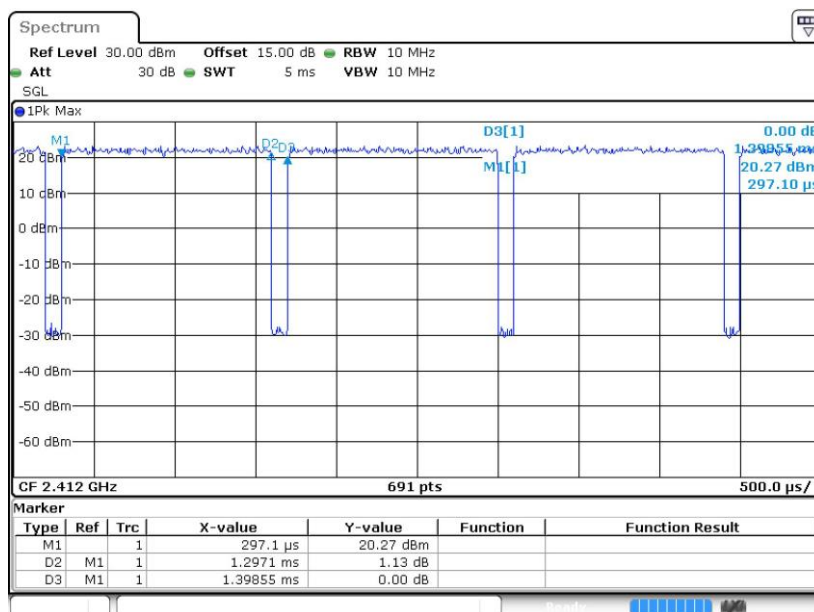
Date: 12 JUN 2018 16:13:11

802.11g



Date: 12 JUN 2018 16:19:07

802.11n HT20



Date: 12 JUN 2018 16:20:16



Appendix E. External Subcontractors to Perform Testing Data

The test report as below presents all the conduction emission test data performed by the subcontracted Sporton laboratory located in Taiwan.



FCC RADIO TEST REPORT

FCC ID : 2AP65-7225
Equipment : Digital Media Receiver
Model Name : P5B83L
Applicant : Lindland LLC
9121 Anson Way, Ste. 200, Raleigh, NC 27615
Standard : FCC Part 15 Subpart C §15.247

The testing was completed on Jul. 18, 2018. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

The test results in this partial report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Approved by: Jones Tsai
SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)



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Appendix A. AC Conducted Emission Test Result	



History of this test report

Report No.	Version	Description	Issued Date
FR842408-01C	01	Initial issue of report	Jul. 30, 2018



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)
3.1	15.207	AC Conducted Emission	Pass
3.2	15.203 & 15.247(b)	Antenna Requirement	Pass

Reviewed by: Joseph Lin

Report Producer: Natasha Hsieh

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Digital Media Receiver
Model Name	P5B83L
FCC ID	2AP65-7225
EUT supports Radios application	WLAN 11b/g/n HT20 WLAN 11a/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 Bluetooth LE

1.2 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Channel Frequency Range	2412 MHz ~ 2472 MHz
Antenna Type / Gain	Ant. 1: Fixed Internal Antenna type with gain 2.97 dBi Ant. 2: Fixed Internal Antenna type with gain 1.36 dBi
Type of Modulation	802.11b : DSSS (DBPSK / DQPSK / CCK) 802.11g/n : OFDM (BPSK / QPSK / 16QAM / 64QAM)

1.3 Modification of EUT

No modifications are made to the EUT during all test items.



1.4 Testing Location

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code : 1190) and the FCC designation No. TW1190 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC Test.

Test Site	SPORTON INTERNATIONAL INC.
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	Sporton Site No.
	CO05-HY

Note: The test site complies with ANSI C63.4 2014 requirement.

1.5 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ FCC Part 15 Subpart C §15.247
- ♦ FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v04
- ♦ ANSI C63.10-2013

Remark: All test items were verified and recorded according to the standards and without any deviation during the test.

2 Test Configuration of Equipment Under Test

- a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz),
- b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

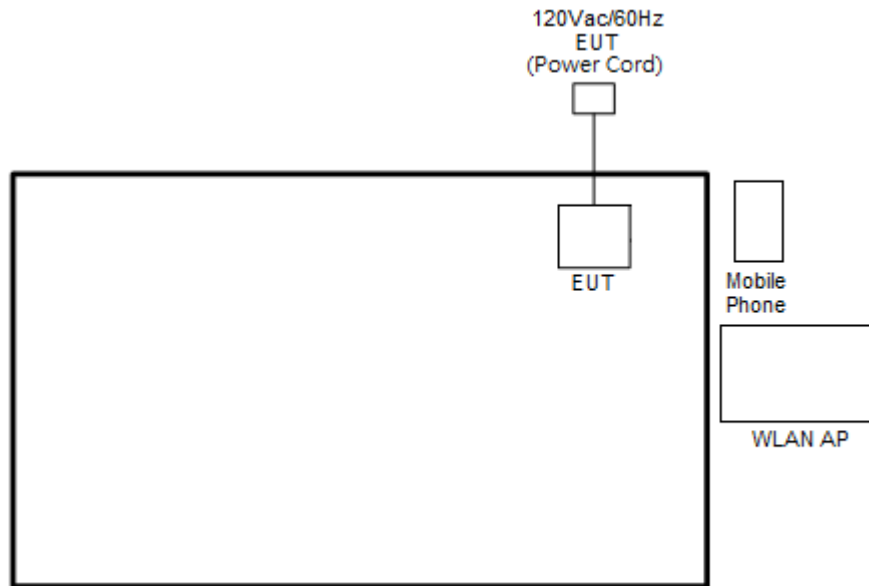
Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
2400-2483.5 MHz	1	2412	8	2447
	2	2417	9	2452
	3	2422	10	2457
	4	2427	11	2462
	5	2432	12	2467
	6	2437	13	2472
	7	2442		

2.2 Test Mode

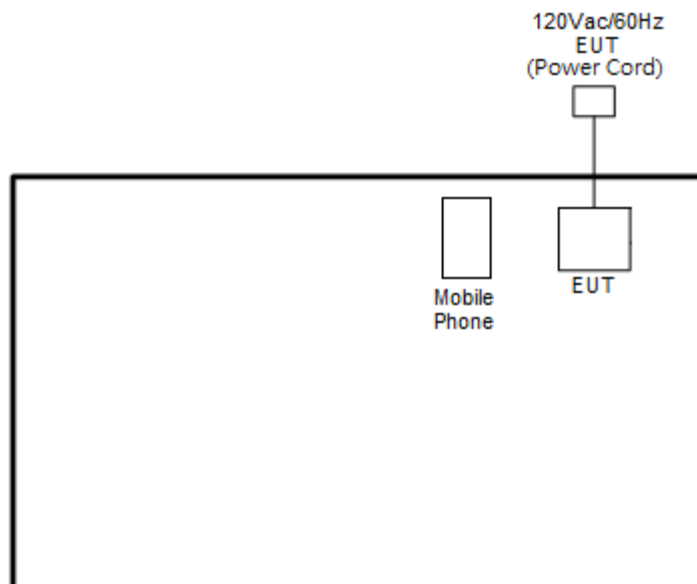
Test Cases	
AC Conducted Emission	Mode 1: WLAN (2.4Gz) Link + MP3 + AC Charging Mode 2: Bluetooth Link + AC Charging
Remark: The worst case of conducted emission is mode 1; only the test data of it was reported.	

2.3 Connection Diagram of Test System

<AC Conducted Emission Mode for Playing MP3>



<AC Conducted Emission Mode>





2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
2.	Notebook	DELL	Latitude E3340	FCC DoC/ Contains FCC ID: PD97260NGU	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
3.	Mobile Phone	Apple	A1687	FCC DoC	Shielded, 1.0 m	N/A

3 Test Result

3.1 AC Conducted Emission Measurement

3.1.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of Emission (MHz)	Conducted Limit (dB μ V)	
	Quasi-Peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

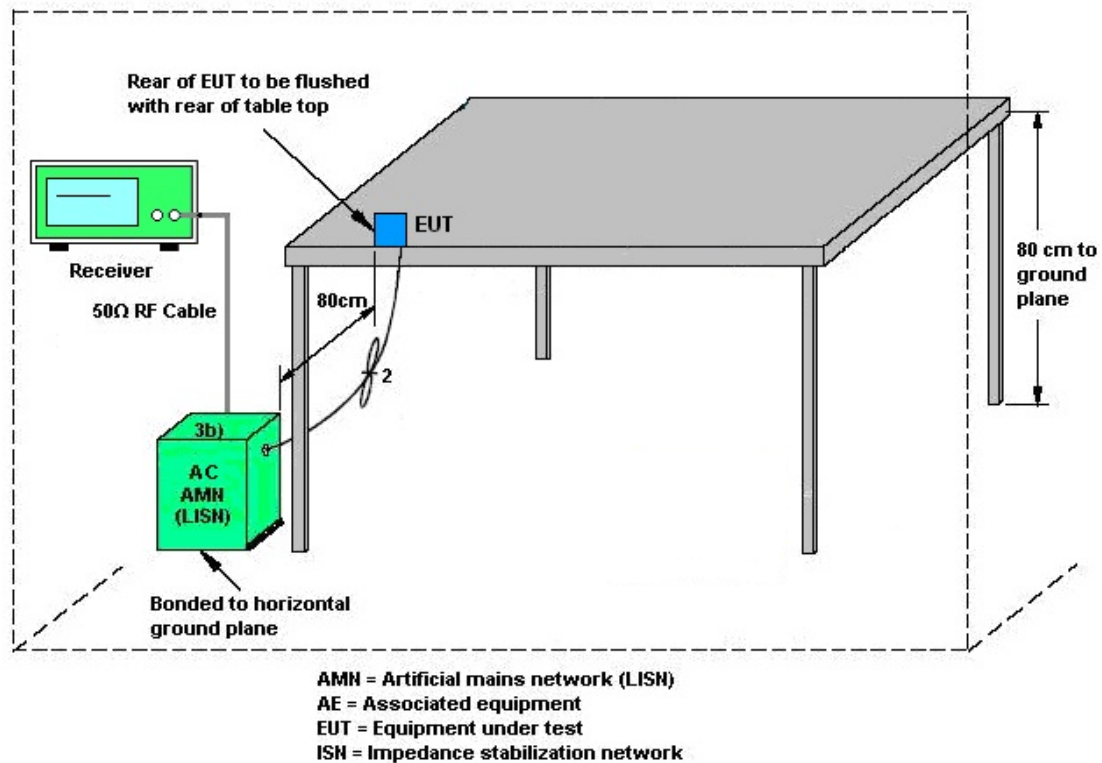
3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

3.1.3 Test Procedures

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room, and it was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF bandwidth = 9kHz) with Maximum Hold Mode.

3.1.4 Test Setup



3.1.5 Test Result of AC Conducted Emission

Please refer to Appendix A.



3.2 Antenna Requirements

3.2.1 Standard Applicable

If directional gain of transmitting Antennas is greater than 6dBi, the power shall be reduced by the same level in dB comparing to gain minus 6dBi. 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 rule.

3.2.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.2.3 Antenna Gain

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Jun. 13, 2018~ Jul. 13, 2018	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	3.6GHz	Dec. 08, 2017	Jun. 13, 2018~ Jul. 13, 2018	Dec. 07, 2018	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 30, 2017	Jun. 13, 2018~ Jul. 13, 2018	Nov. 29, 2018	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Jun. 13, 2018~ Jul. 13, 2018	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 03, 2018	Jun. 13, 2018~ Jul. 13, 2018	Jan. 02, 2019	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Jan. 03, 2018	Jun. 13, 2018~ Jul. 13, 2018	Jan. 02, 2019	Conduction (CO05-HY)



5 Uncertainty of Evaluation

Uncertainty of Conducted Emission Measurement (150kHz ~ 30MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.7
--	-----



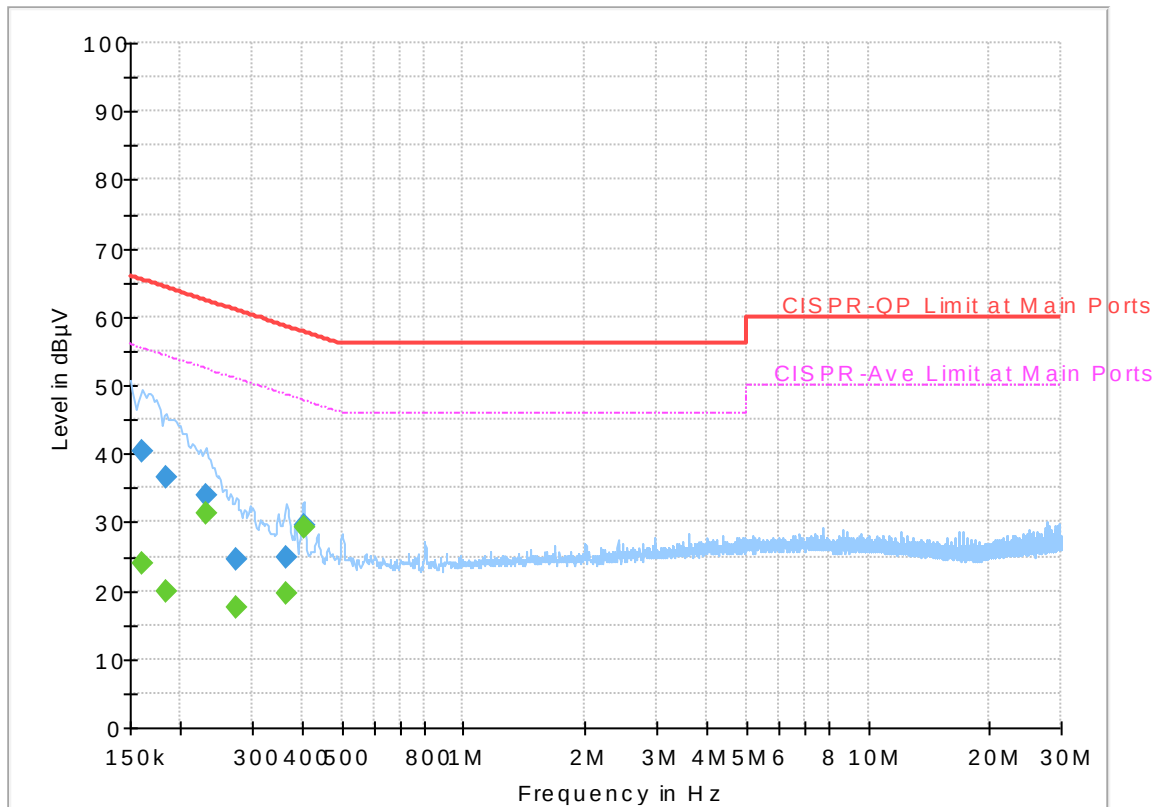
Appendix A. AC Conducted Emission Test Results

Test Engineer :	Kai-Chun Chu	Temperature :	25~27°C
		Relative Humidity :	50~52%

EUT Information

Report NO : 842408-01
Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Line

Full Spectrum



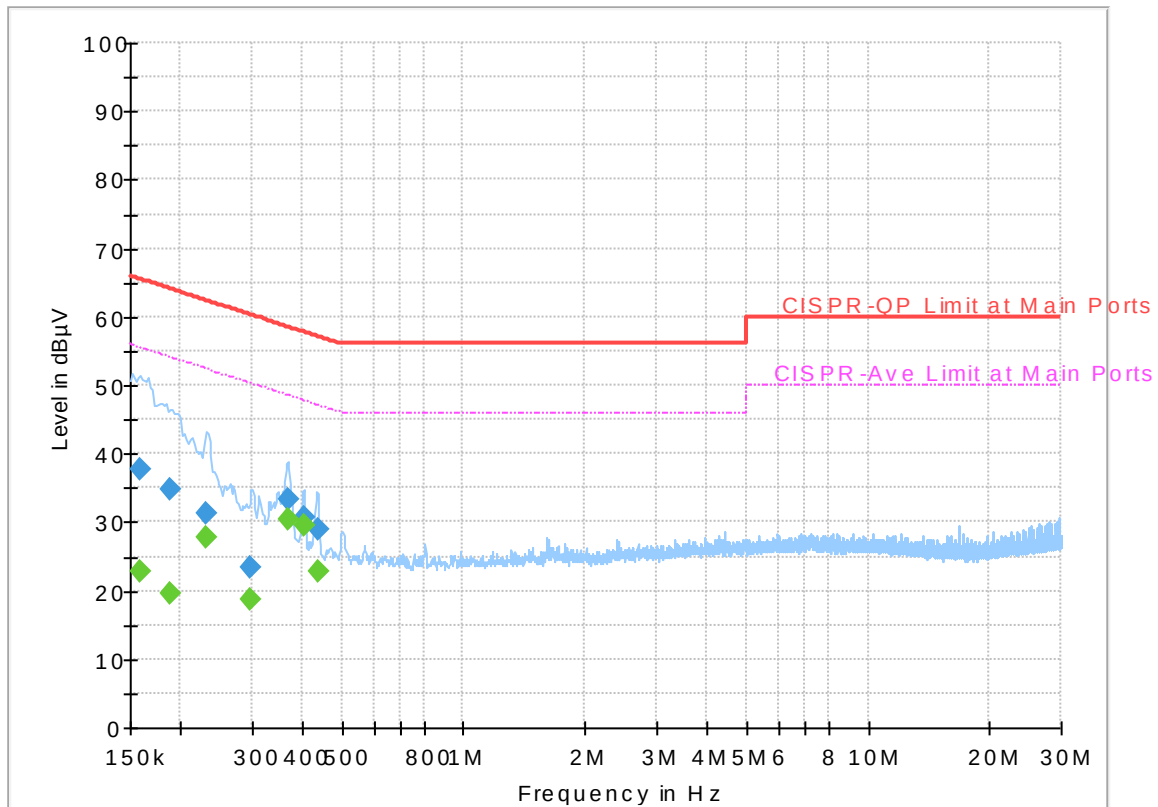
Final Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Line	Filter	Corr. (dB)
0.161250	---	23.88	55.40	31.52	L1	OFF	19.5
0.161250	40.25	---	65.40	25.15	L1	OFF	19.5
0.183750	---	19.77	54.31	34.54	L1	OFF	19.5
0.183750	36.64	---	64.31	27.67	L1	OFF	19.5
0.231000	---	31.26	52.41	21.15	L1	OFF	19.5
0.231000	33.77	---	62.41	28.64	L1	OFF	19.5
0.273750	---	17.41	51.00	33.59	L1	OFF	19.5
0.273750	24.63	---	61.00	36.37	L1	OFF	19.5
0.363750	---	19.56	48.64	29.08	L1	OFF	19.5
0.363750	24.93	---	58.64	33.71	L1	OFF	19.5
0.402000	---	29.32	47.81	18.49	L1	OFF	19.5
0.402000	29.41	---	57.81	28.40	L1	OFF	19.5

EUT Information

Report NO : 842408-01
Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Neutral

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.159000	---	22.67	55.52	32.85	N	OFF	19.5
0.159000	37.62	---	65.52	27.90	N	OFF	19.5
0.188250	---	19.72	54.11	34.39	N	OFF	19.5
0.188250	34.76	---	64.11	29.35	N	OFF	19.5
0.231000	---	27.83	52.41	24.58	N	OFF	19.5
0.231000	31.33	---	62.41	31.08	N	OFF	19.5
0.298500	---	18.59	50.28	31.69	N	OFF	19.5
0.298500	23.30	---	60.28	36.98	N	OFF	19.5
0.368250	---	30.52	48.54	18.02	N	OFF	19.5
0.368250	33.35	---	58.54	25.19	N	OFF	19.5
0.402000	---	29.54	47.81	18.27	N	OFF	19.5
0.402000	30.66	---	57.81	27.15	N	OFF	19.5
0.435750	---	22.94	47.14	24.20	N	OFF	19.5
0.435750	28.87	---	57.14	28.27	N	OFF	19.5

THE END