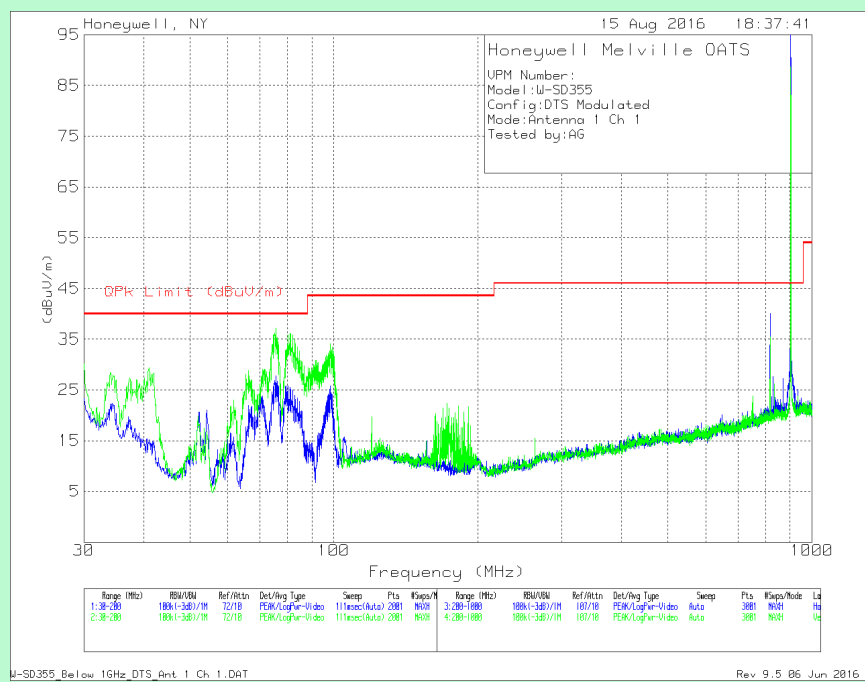
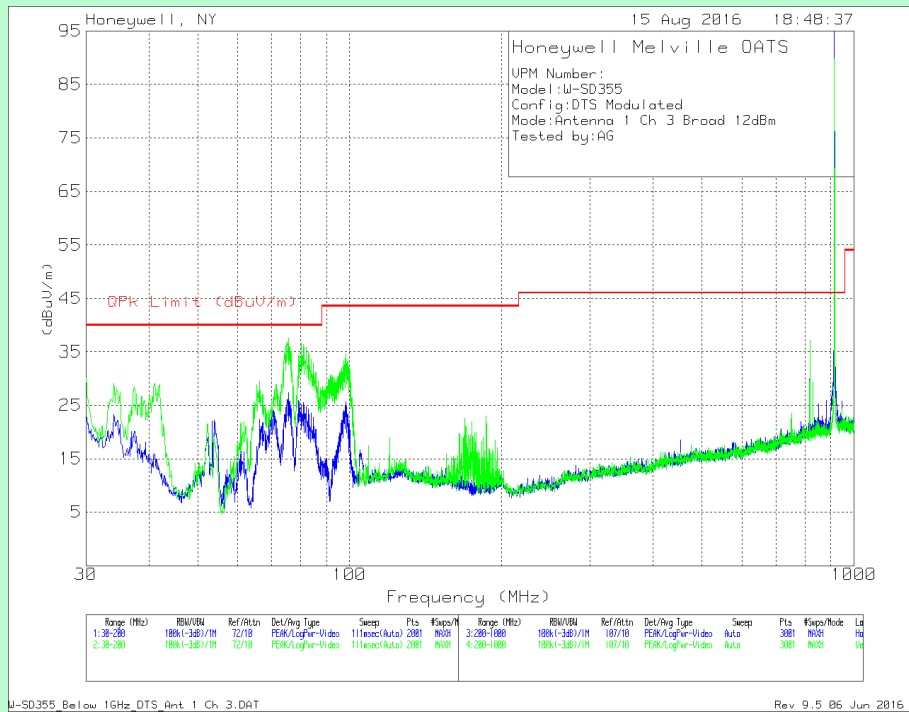


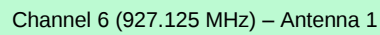
TEST GRAPHS – 30 MHz to 1GHz (ANTENNA 1)



Channel 1 (902.875 MHz) – Antenna 1



Channel 3 (914.325 MHz) – Antenna 1



TEST RESULT – 30 MHz to 1 GHz

Channel 1											
Frequency (MHz)	Meter Reading (dBuV)	Det	AF [dB/m]	Pre Amp #1 [dB]	RDE #1 [dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
30.085	12.34	Qp	25.6	-	0.8	38.74	40	1.26	80	280	V
75.56	15.01	Qp	12.1	-	1.2	28.31	40	11.69	21	136	V
81.085	20.57	Qp	11.8	-	1.3	33.67	40	6.33	238	135	V
98.3281	24.47	Qp	13.9	-	1.4	39.77	43.52	3.75	55	105	V
817.6008	4.35	Qp	26.3	-	5.2	35.85	46.02	10.17	99	243	H
817.3341	4.23	Qp	26.2	-	5.2	35.63	46.02	10.39	15	130	V
** 902.7392	97.62	Pk	27	-27.6	5.5	102.52	-	-	175	146	H
** 902.7391	89.72	Pk	27	-27.6	5.5	94.62	-	-	240	134	V
Channel 3											
Frequency (MHz)	Meter Reading (dBuV)	Det	AF [dB/m]	Pre Amp #1 [dB]	RDE #1 [dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
30.0414	34.4	Qp	25.6	-29.1	.8	31.7	40	8.3	35	136	V
75.476	46.83	Qp	12.1	-28.9	1.2	31.23	40	8.77	216	105	V
80.15	42.71	Qp	11.9	-28.9	1.3	27.01	40	12.99	259	145	V
98.255	56.7	Qp	13.9	-28.8	1.4	43.2	43.52	0.32	171	316	V
** 914.189	99.84	Pk	27.3	-27.5	5.6	105.24	-	-	335	140	H
817.6008	14.39	Qp	26.3	-27.9	5.2	17.99	46.02	28.03	246	114	H
** 914.185	89.74	Pk	27.3	-27.5	5.6	95.14	-	-	73	138	V
817.6008	-3.26	Qp	26.3	-27.9	5.2	0.34	46.02	45.68	21	141	V
Channel 6											
Frequency (MHz)	Meter Reading (dBuV)	Det	AF [dB/m] JB6 w/4dB pad	Pre Amp #1	RDE #1	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
66.38	42.92	Qp	12.1	-29	1.2	27.22	40	12.78	147	190	V
75.56	40.07	Qp	12.1	-28.9	1.2	24.47	40	15.53	357	386	V
80.0104	41.11	Qp	11.9	-28.9	1.3	25.41	40	14.59	300	389	V
98.255	56.61	Qp	13.9	-28.8	1.4	43.11	43.52	0.41	248	103	V
** 926.993	99.75	Pk	27.3	-27.5	5.7	105.25	-	-	327	142	H
817.6008	24.6	Qp	26.3	-27.9	5.2	28.2	46.02	17.82	324	326	H
** 926.985	89.04	Pk	27.3	-27.5	5.7	94.54	-	-	183	129	V
829.6008	27.92	Qp	26.4	-27.8	5.2	31.72	46.02	14.3	190	297	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates intended frequency

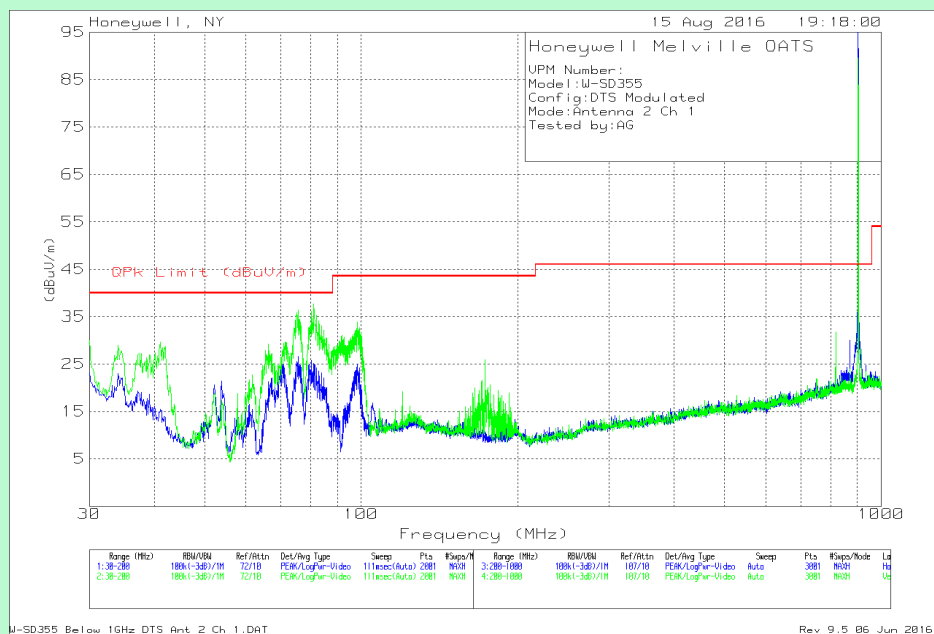
Pk - Peak detector

Qp - Quasi-Peak detector

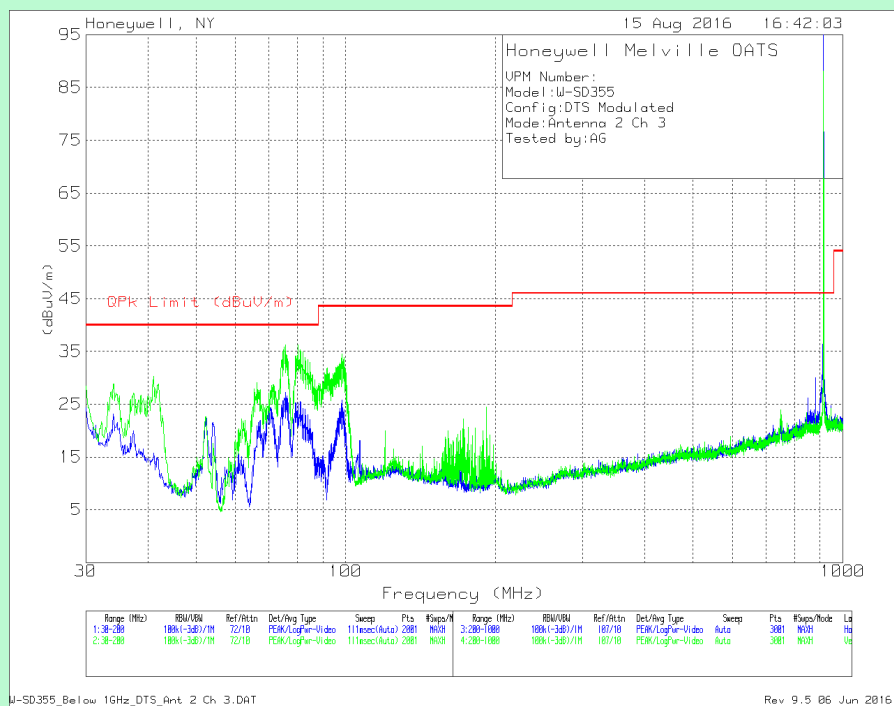
Prescan performed in an RF chamber, final measurements are performed on an OATS

Emissions shown in the plot are related to the chamber ambient

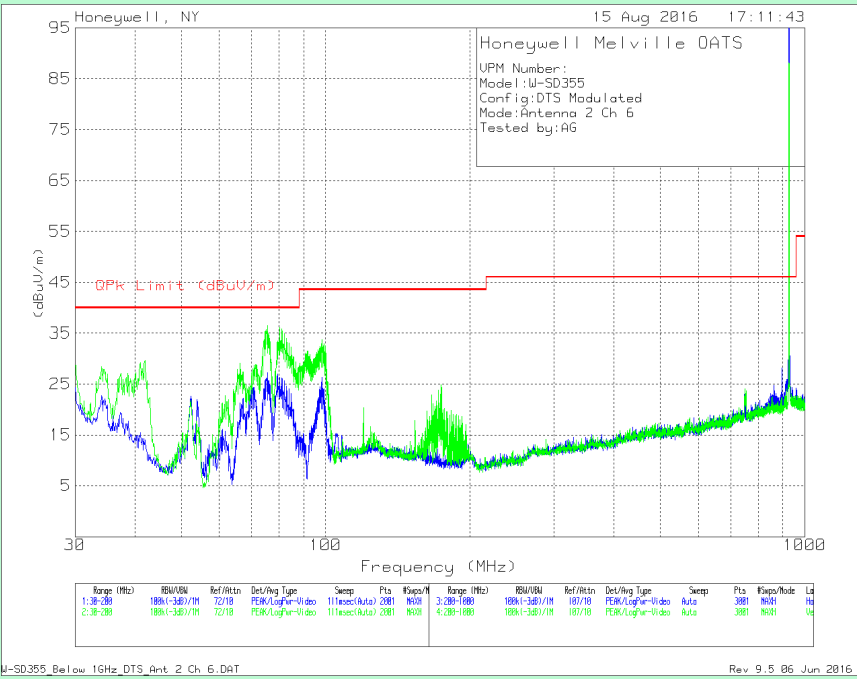
TEST GRAPHS – 30 MHz to 1GHz (ANTENNA 2)



Channel 1 (902.875 MHz) – Antenna 2



Channel 3 (914.325 MHz) – Antenna 2



Channel 6 (927.125 MHz) – Antenna 2

TEST RESULT – 30 MHz to 1 GHz

Channel 1											
Frequency (MHz)	Meter Reading (dBuV)	Det	AF [dB/m]	Pre Amp #1 [dB]	RDE #1 [dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
30.0685	11.16	Qp	25.6	-	.8	37.56	40	2.44	209	192	V
75.56	13.58	Qp	12.1	-	1.2	26.88	40	13.12	281	140	V
81.0555	10.56	Qp	11.8	-	1.3	23.66	40	16.34	124	349	V
98.255	21.35	Qp	13.9	-	1.4	36.65	43.52	6.87	238	135	V
870.6974	-5.16	Qp	26.8	-	5.4	27.04	46.02	18.98	282	385	H
817.2907	4.09	Qp	26.2	-	5.2	35.49	46.02	10.53	85	254	V
**902.7391	100.57	Pk	27	-27.6	5.5	105.47	-	-	343	143	H
**902.7431	92.65	Pk	27	-27.6	5.5	97.55	-	-	67	136	V
Channel 3											
Frequency (MHz)	Meter Reading (dBuV)	Det	AF [dB/m]	Pre Amp #1 [dB]	RDE #1 [dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
41.05	45.29	Qp	17.8	-29	.9	34.99	40	5.01	36	241	V
* 75.1955	43.04	Qp	12.1	-28.9	1.2	27.44	40	12.56	1	343	V
80.5316	45.49	Qp	11.8	-28.9	1.3	29.69	40	10.31	239	145	V
98.3384	54.91	Qp	13.9	-28.8	1.4	41.41	43.52	2.11	188	270	V
** 914.189	99.57	Pk	27.3	-27.5	5.6	104.97	-	-	161	144	H
882.134	34.02	Qp	26.8	-27.9	5.4	38.32	46.02	7.7	74	342	H
** 914.193	91.05	Pk	27.3	-27.5	5.6	96.45	-	-	259	207	V
751.2007	38.83	Qp	25.5	-28.4	5	40.93	46.02	5.09	257	126	V
Channel 6											
Frequency (MHz)	Meter Reading (dBuV)	Det	AF [dB/m]	Pre Amp #1 [dB]	RDE #1 [dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
41.985	37.62	Qp	17.1	-29	.9	26.62	40	13.38	82	213	V
75.7779	40.55	Qp	12.1	-28.9	1.3	25.05	40	14.95	58	314	V
80.0113	42.76	Qp	11.9	-28.9	1.3	27.06	40	12.94	225	241	V
98.3507	48.99	Qp	13.9	-28.8	1.4	35.49	43.52	8.03	27	111	V
** 926.989	97.13	Pk	27.3	-27.5	5.7	102.63	-	-	157	144	H
895.0062	25.33	Qp	27.1	-27.8	5.5	30.13	46.02	15.89	273	166	H
** 926.989	86.03	Pk	27.3	-27.5	5.7	91.53	-	-	8	102	V
751.2617	38.02	Qp	25.6	-28.4	5	40.22	46.02	5.8	2	397	V

Note:

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates intended frequency

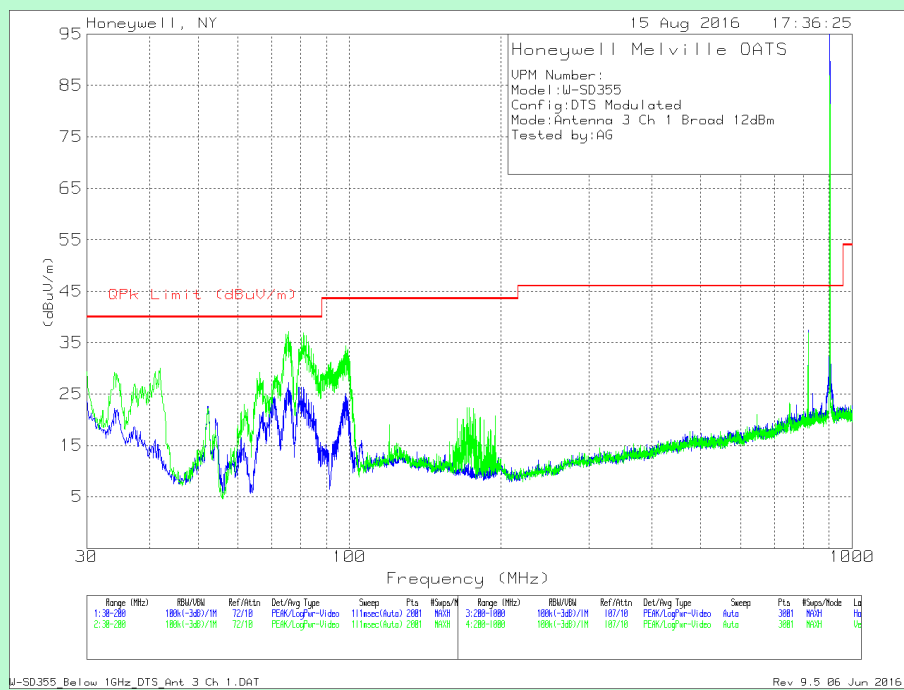
Pk - Peak detector

Qp - Quasi-Peak detector

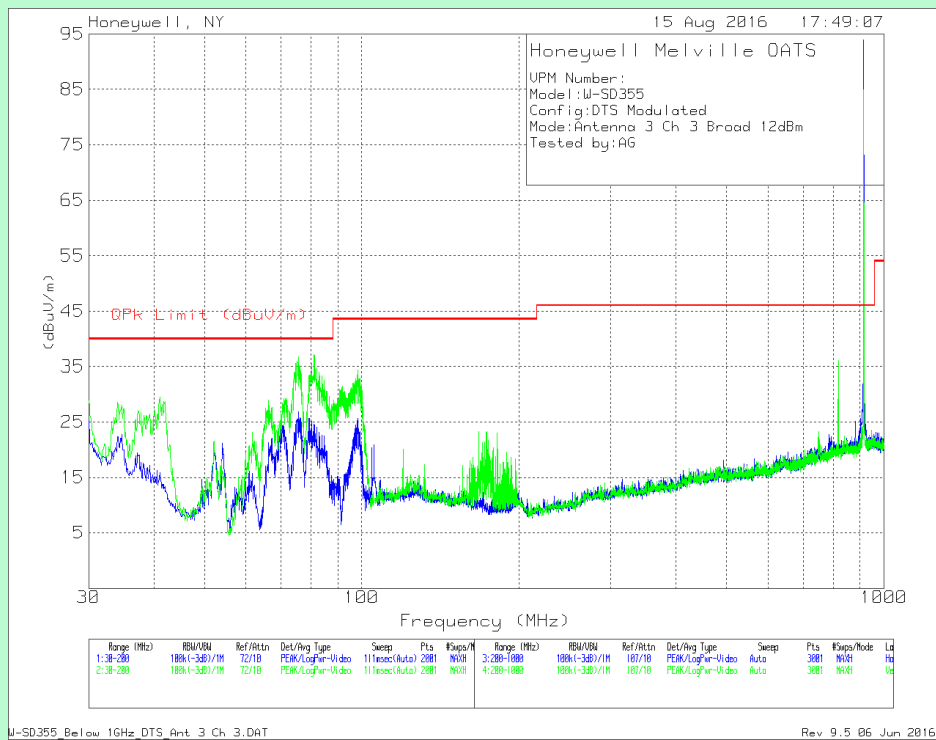
Prescan performed in an RF chamber, final measurements are performed on an OATS

Emissions shown in the plot are related to the chamber ambient

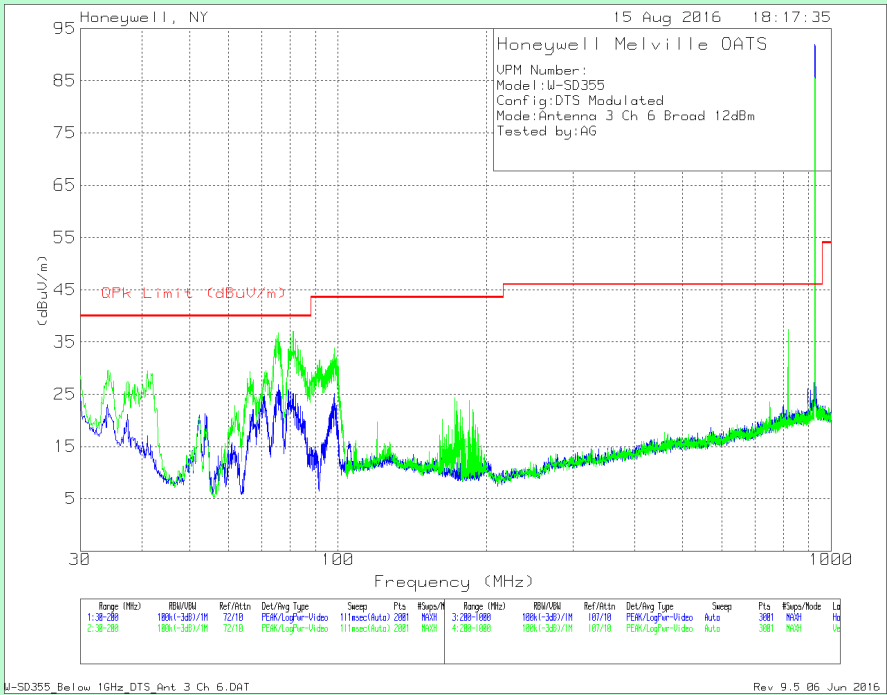
TEST GRAPHS – 30 MHz to 1GHz (ANTENNA 3)



Channel 1 (902.875 MHz) – Antenna 3



Channel 3 (914.325 MHz) – Antenna 3



Channel 6 (927.125 MHz) – Antenna 3

TEST RESULT – 30 MHz to 1 GHz

Channel 1											
Frequency (MHz)	Meter Reading (dBuV)	Det	AF [dB/m]	Pre Amp #1 [dB]	RDE #1 [dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
41.9402	42.78	Qp	17.1	-29	.9	31.78	40	8.22	21	101	V
75.8552	38.86	Qp	12.1	-28.9	1.3	23.36	40	16.64	29	318	V
81.23	40.16	Qp	11.8	-28.9	1.3	24.36	40	15.64	177	126	V
98.3429	55.15	Qp	13.9	-28.8	1.4	41.65	43.52	1.87	29	378	V
** 902.7363	95.66	Pk	27	-27.6	5.5	100.56	-	-	182	150	H
817.6552	21.28	Qp	26.3	-27.9	5.2	24.88	46.02	21.14	279	233	H
** 902.7417	87.34	Pk	27	-27.6	5.5	92.24	-	-	100	157	V
Channel 3											
Frequency (MHz)	Meter Reading (dBuV)	Det	AF [dB/m]	Pre Amp #1 [dB]	RDE #1 [dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
41.05	37.49	Qp	17.8	-29	.9	27.19	40	12.81	102	212	V
75.56	40.52	Qp	12.1	-28.9	1.2	24.92	40	15.08	325	276	V
81.085	37.37	Qp	11.8	-28.9	1.3	21.57	40	18.43	219	274	V
98.17	29.93	Qp	13.9	-28.8	1.4	16.43	43.52	27.09	193	110	V
** 914.193	94.84	Pk	27.3	-27.5	5.6	100.24	-	-	129	147	H
818.4008	28.18	Qp	26.3	-27.9	5.2	31.78	46.02	14.24	30	378	H
** 914.189	88.85	Pk	27.3	-27.5	5.6	94.25	-	-	44	151	V
817.3341	26.05	Qp	26.2	-27.9	5.2	29.55	46.02	16.47	324	227	V
Channel 6											
Frequency (MHz)	Meter Reading (dBuV)	Det	AF [dB/m]	Pre Amp #1 [dB]	RDE #1 [dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
41.2732	36.68	Qp	17.6	-29	.9	26.18	40	13.82	308	199	V
75.404	40.63	Qp	12.1	-28.9	1.2	25.03	40	14.97	60	387	V
80.6007	38.64	Qp	11.8	-28.9	1.3	22.84	40	17.16	60	102	V
98.3642	52	Qp	13.9	-28.8	1.4	38.5	43.52	5.02	77	114	V
** 926.985	93.66	Pk	27.3	-27.5	5.7	99.16	-	-	146	145	H
817.6721	21.67	Qp	26.3	-27.9	5.2	25.27	46.02	20.75	40	240	H
** 926.993	86.25	Pk	27.3	-27.5	5.7	91.75	-	-	61	102	V
818.1338	23.92	Qp	26.3	-27.9	5.2	27.52	46.02	18.5	151	389	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates intended frequency

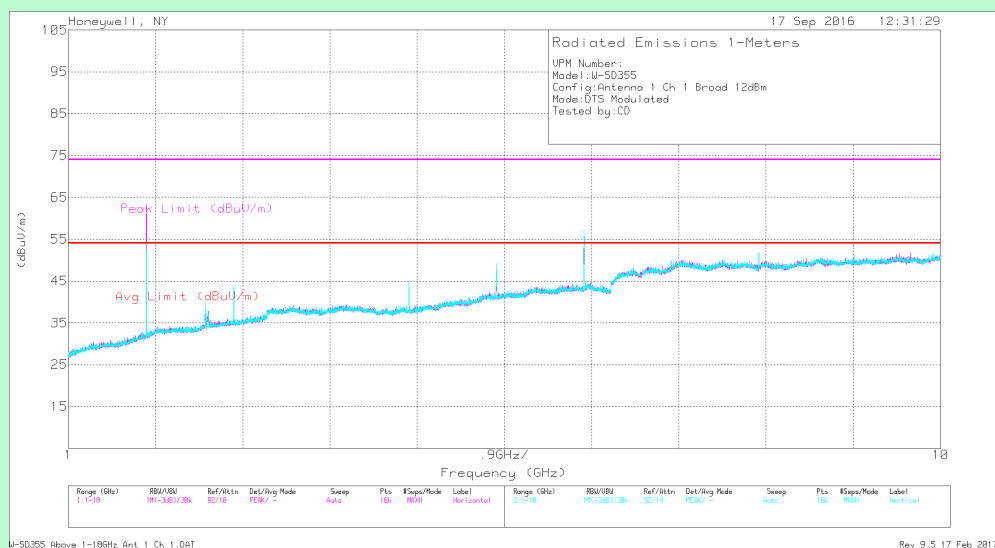
Pk - Peak detector

Qp - Quasi-Peak detector

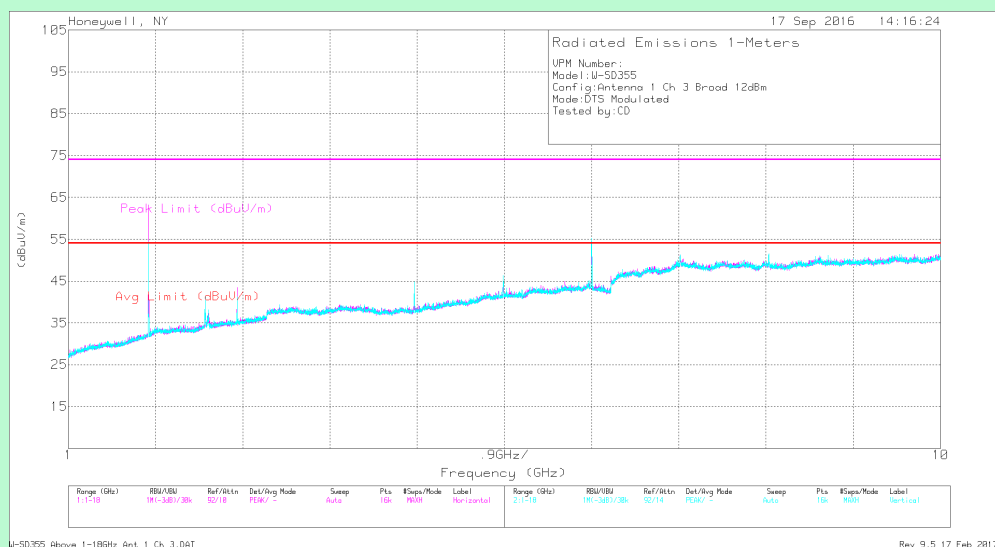
Prescan performed in an RF chamber, final measurements are performed on an OATS

Emissions shown in the plot are related to the chamber ambient

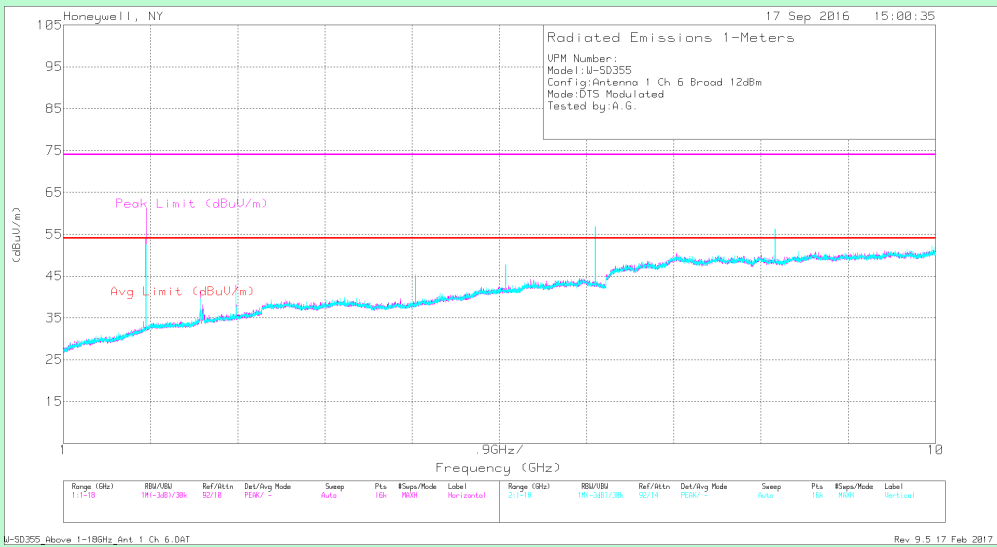
TEST GRAPHS – 1GHz to 10GHz (ANTENNA 1)



Channel 1 (902.875 MHz) – Antenna 1



Channel 3 (914.325 MHz) – Antenna 1



Channel 6 (927.125 MHz) – Antenna 1

TEST RESULT – 1 GHz to 10 GHz – CHANNEL 1

PEAK DATA – RESTRICTED BAND

Frequency (GHz)	Meter Reading (dBuV)	Det	AF [dB/m]	Preamp [dB]	SMA1 [dB]	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.709	42.4	PK2	29.3	-27.1	6	50.6	74	-23.4	58	102	H
* 3.611	41.26	PK2	31.6	-26.8	6.8	52.86	74	-21.14	21	290	H
* 4.514	40.59	PK2	32.2	-26.6	7.6	53.79	74	-20.21	54	350	H
* 5.419	40.02	PK2	34.3	-26.7	8.8	56.42	74	-17.58	1	182	H
* 8.127	40.42	PK2	37.1	-26.2	10.6	61.92	74	-12.08	105	137	H
* 9.029	41.02	PK2	37.6	-25.9	11.1	63.82	74	-10.18	181	185	H
* 2.708	44.57	PK2	29.3	-27.1	6	52.77	74	-21.23	263	192	V
* 3.61	41.45	PK2	31.6	-26.8	6.8	53.05	74	-20.95	37	310	V
* 4.514	41.14	PK2	32.2	-26.6	7.6	54.34	74	-19.66	244	288	V
* 5.416	40.97	PK2	34.3	-26.7	8.8	57.37	74	-16.63	63	329	V
* 8.124	40.96	PK2	37.1	-26.2	10.6	62.46	74	-11.54	307	233	V
* 9.028	41.21	PK2	37.6	-25.9	11.1	64.01	74	-9.99	349	367	V
* 2.709	42.4	PK2	29.3	-27.1	6	50.6	74	-23.4	58	102	H

PEAK DATA – NON RESTRICTED BAND

Frequency (GHz)	Meter Reading (dBuV)	Det	AF [dB/m]	Preamp [dB]	SMA1 [dB]	Corrected Reading (dBuV/m)	Peak Limit [Fundamental-20dBc] (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.806	57.25	PK2	27.1	-26.9	4.9	62.35	82.5	-20.15	233	137	H
6.319	39.63	PK2	34.9	-26.4	9.6	57.73	82.5	-24.77	86	273	H
7.224	40.08	PK2	36.3	-26.2	10	60.18	82.5	-22.32	70	288	H
1.806	51.21	PK2	27.1	-26.9	4.9	56.31	82.5	-26.19	65	133	V
6.322	41.41	PK2	34.9	-26.4	9.6	59.51	82.5	-22.99	59	267	V
7.222	40.27	PK2	36.3	-26.2	10	60.37	82.5	-22.13	244	124	V

AVERAGE DATA – RESTRICTED BAND

Frequency (GHz)	Meter Reading (dBuV)	Det	AF [dB/m]	Preamp [dB]	SMA1 [dB]	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.709	32.37	MAv1	29.3	-27.1	6	40.57	54	-13.43	58	102	H
* 3.613	29.02	MAv1	31.6	-26.8	6.8	40.62	54	-13.38	21	290	H
* 4.515	28.38	MAv1	32.2	-26.6	7.6	41.58	54	-12.42	54	350	H
* 5.416	27.82	MAv1	34.3	-26.7	8.8	44.22	54	-9.78	1	182	H
* 8.126	28.04	MAv1	37.1	-26.2	10.6	49.54	54	-4.46	105	137	H
* 9.029	28.65	MAv1	37.6	-25.9	11.1	51.45	54	-2.55	181	185	H
* 2.708	36.31	MAv1	29.3	-27.1	6	44.51	54	-9.49	263	192	V
* 3.611	29.22	MAv1	31.6	-26.8	6.8	40.82	54	-13.18	37	310	V
* 4.513	28.54	MAv1	32.2	-26.6	7.6	41.74	54	-12.26	244	288	V
* 5.417	28.22	MAv1	34.3	-26.7	8.8	44.62	54	-9.38	63	329	V
* 8.124	28.4	MAv1	37.1	-26.2	10.6	49.9	54	-4.1	307	233	V
* 9.029	28.87	MAv1	37.6	-25.9	11.1	51.67	54	-2.33	349	367	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates intended frequency

PK - Peak detector

Qp - Quasi-Peak detector

Prescans performed in a pre-compliance chamber. Final measurements performed on an OATS.

Emissions shown in the plot are related to the chamber ambient

TEST RESULT – 1 GHz to 10 GHz – CHANNEL 3

PEAK DATA – RESTRICTED BAND

Frequency (GHz)	Meter Reading (dBuV)	Det	AF [dB/m]	Preamp [dB]	SMA1 [dB]	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.745	53.47	PK2	29.4	-27	4.9	60.77	74	13.23	83	381	H
* 3.657	41.34	PK2	31.8	-26.9	5.5	51.74	74	22.26	102	167	H
* 4.571	41.27	PK2	32.2	-26.7	6	52.77	74	21.23	35	352	H
* 7.316	40.18	PK2	36.7	-26.2	6.2	56.88	74	17.12	5	181	H
* 8.23	40.61	PK2	37.1	-26.1	7.3	58.91	74	15.09	85	260	H
* 9.145	41.63	PK2	37.6	-25.9	7.4	60.73	74	13.27	45	187	H
* 2.745	55.09	PK2	29.4	-27	4.9	62.39	74	11.61	204	320	V
* 3.659	41.32	PK2	31.8	-26.9	5.4	51.62	74	22.38	136	282	V
* 4.573	41.38	PK2	32.2	-26.7	6	52.88	74	21.12	133	300	V
* 7.315	40.02	PK2	36.7	-26.2	6.2	56.72	74	17.28	337	113	V
* 8.231	40.28	PK2	37.1	-26.1	7.3	58.58	74	15.42	8	302	V
* 9.141	41.11	PK2	37.6	-25.9	7.4	60.21	74	13.79	119	253	V

PEAK DATA – NON RESTRICTED BAND

Frequency (GHz)	Meter Reading (dBuV)	Det	AF [dB/m]	Preamp [dB]	SMA1 [dB]	Corrected Reading (dBuV/m)	Peak Limit [Fundamental-20dBc] (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.828	53.87	PK2	27.2	-26.9	4.2	58.37	85.2	26.83	0	101	H
5.487	40.39	PK2	34.4	-26.6	6.7	54.89	85.2	30.31	80	389	H
6.399	40.63	PK2	34.8	-26.2	7.1	56.33	85.2	28.87	17	362	H
1.828	49.44	PK2	27.2	-26.9	4.2	53.94	85.2	31.26	298	194	V
5.485	40.28	PK2	34.4	-26.6	6.7	54.78	85.2	30.42	91	394	V
6.399	41.84	PK2	34.8	-26.2	7.1	57.54	85.2	27.66	114	357	V

AVERAGE DATA – RESTRICTED BAND

Frequency (GHz)	Meter Reading (dBuV)	Det	AF [dB/m]	Preamp [dB]	SMA1 [dB]	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.745	30.57	MAv1	29.4	-27	4.9	37.87	54	16.13	83	381	H
* 3.659	29.21	MAv1	31.8	-26.9	5.4	39.51	54	14.49	102	167	H
* 4.572	28.87	MAv1	32.2	-26.7	6	40.37	54	13.63	35	352	H
* 7.313	27.84	MAv1	36.7	-26.2	6.2	44.54	54	9.46	5	181	H
* 8.228	28.06	MAv1	37.1	-26.1	7.3	46.36	54	7.64	85	260	H
* 9.143	28.98	MAv1	37.6	-25.9	7.4	48.08	54	5.92	45	187	H
* 2.743	30.19	MAv1	29.4	-27	4.9	37.49	54	16.51	204	320	V
* 3.659	29.13	MAv1	31.8	-26.9	5.5	39.53	54	14.47	136	282	V
* 4.57	28.9	MAv1	32.2	-26.7	6	40.4	54	13.6	133	300	V
* 7.313	27.71	MAv1	36.7	-26.2	6.2	44.41	54	9.59	337	113	V
* 8.227	28.12	MAv1	37.1	-26.1	7.3	46.42	54	7.58	8	302	V
* 9.142	28.95	MAv1	37.6	-25.9	7.4	48.05	54	5.95	119	253	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates intended frequency

PK - Peak detector

Qp - Quasi-Peak detector

Prescans performed in a pre-compliance chamber. Final measurements performed on an OATS.

Emissions shown in the plot are related to the chamber ambient

TEST RESULT – 1 GHz to 10 GHz – CHANNEL 6

PEAK DATA – RESTRICTED BAND

Frequency (GHz)	Meter Reading (dBuV)	Det	AF [dB/m]	Preamp [dB]	SMA1 [dB]	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.781	45.86	PK2	29.5	-27.1	4.8	53.06	74	20.94	205	302	H
* 3.707	42.63	PK2	32	-26.9	5.6	53.33	74	20.67	188	386	H
* 4.637	40.83	PK2	32.4	-26.6	6.1	52.73	74	21.27	50	157	H
* 7.417	40.37	PK2	36.8	-26.2	7.1	58.07	74	15.93	39	172	H
* 8.342	40.69	PK2	37.3	-26.1	7.6	59.49	74	14.51	270	112	H
* 2.782	44.54	PK2	29.5	-27.1	4.8	51.74	74	22.26	251	359	V
* 3.71	42.15	PK2	32	-26.9	5.6	52.85	74	21.15	99	315	V
* 4.637	41.41	PK2	32.4	-26.6	6.1	53.31	74	20.69	290	166	V
* 7.417	41.19	PK2	36.8	-26.2	7.1	58.89	74	15.11	39	121	V
* 8.344	41.14	PK2	37.3	-26.1	7.6	59.94	74	14.06	105	225	V

PEAK DATA – NON RESTRICTED BAND

Frequency (GHz)	Meter Reading (dBuV)	Det	AF [dB/m]	Preamp [dB]	SMA1 [dB]	Corrected Reading (dBuV/m)	Peak Limit [Fundamental-20dBc] (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.854	63.31	PK2	27.5	-26.9	4.2	68.11	85.3	17.19	7	105	H
5.562	40.12	PK2	34.4	-26.4	6.7	54.82	85.3	30.48	303	290	H
6.49	40.76	PK2	34.8	-26.4	7.3	56.46	85.3	28.84	15	396	H
9.272	40.86	PK2	37.8	-26	7.5	60.16	85.3	25.14	326	390	H
1.853	57.36	PK2	27.5	-26.9	4.2	62.16	85.3	23.14	220	161	V
5.564	40.69	PK2	34.4	-26.4	6.7	55.39	85.3	29.91	108	316	V
6.488	42.31	PK2	34.8	-26.4	7.2	57.91	85.3	27.39	228	392	V
9.273	40.77	PK2	37.8	-26	7.5	60.07	85.3	25.23	156	315	V

AVERAGE DATA – RESTRICTED BAND

Frequency (GHz)	Meter Reading (dBuV)	Det	AF [dB/m]	Preamp [dB]	SMA1 [dB]	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.782	37.47	MAv1	29.5	-27.1	4.8	44.67	54	9.33	205	302	H
* 3.708	30.18	MAv1	32	-26.9	5.6	40.88	54	13.12	188	386	H
* 4.634	28.34	MAv1	32.4	-26.6	6.1	40.24	54	13.76	50	157	H
* 7.417	27.98	MAv1	36.8	-26.2	7.1	45.68	54	8.32	39	172	H
* 8.344	28.27	MAv1	37.3	-26.1	7.6	47.07	54	6.93	270	112	H
* 2.781	35.74	MAv1	29.5	-27.1	4.8	42.94	54	11.06	251	359	V
* 3.708	29.61	MAv1	32	-26.9	5.6	40.31	54	13.69	99	315	V
* 4.635	29.04	MAv1	32.4	-26.6	6.1	40.94	54	13.06	290	166	V
* 7.417	27.96	MAv1	36.8	-26.2	7.1	45.66	54	8.34	39	121	V
* 8.342	28.95	MAv1	37.3	-26.1	7.6	47.75	54	6.25	105	225	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates intended frequency

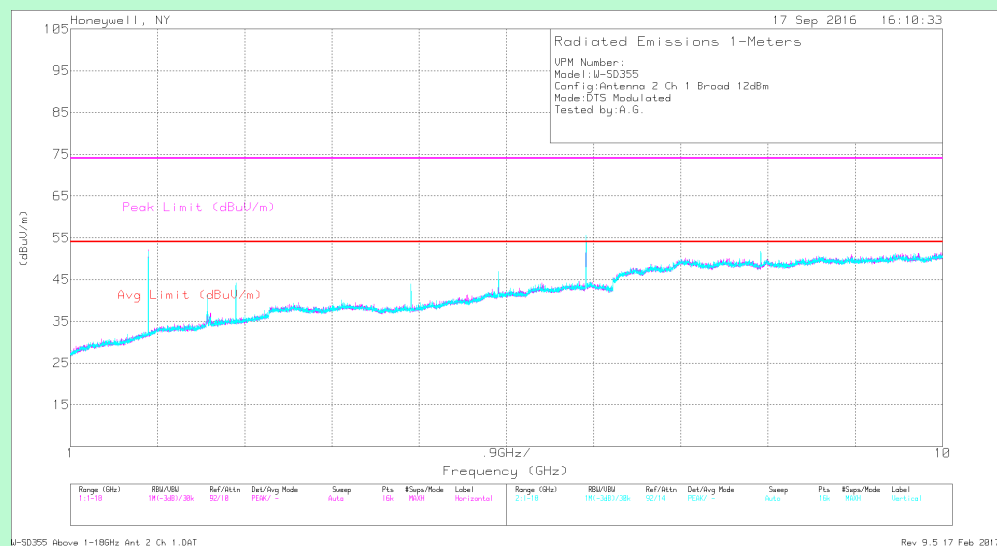
Pk - Peak detector

Qp - Quasi-Peak detector

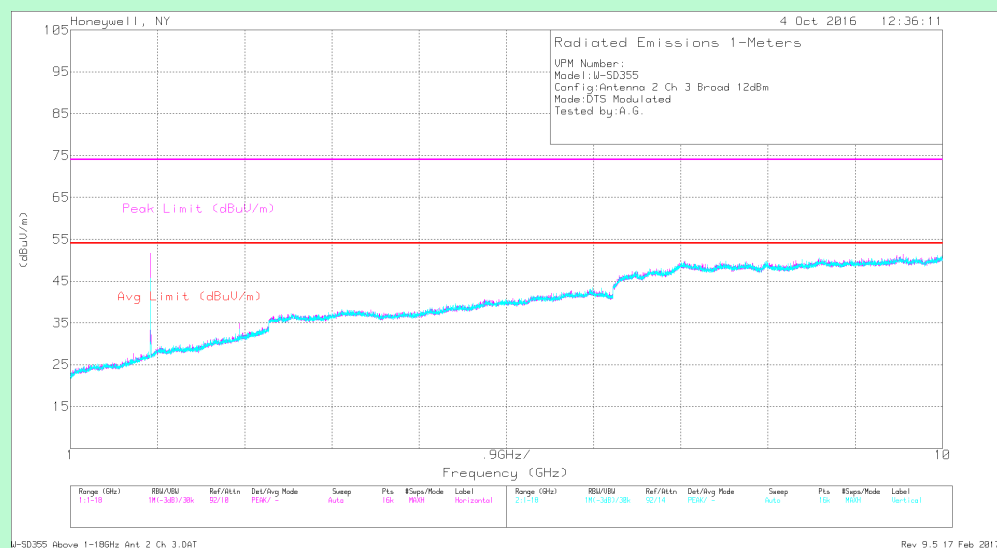
Prescans performed in a pre-compliance chamber. Final measurements performed on an OATS.

Emissions shown in the plot are related to the chamber ambient

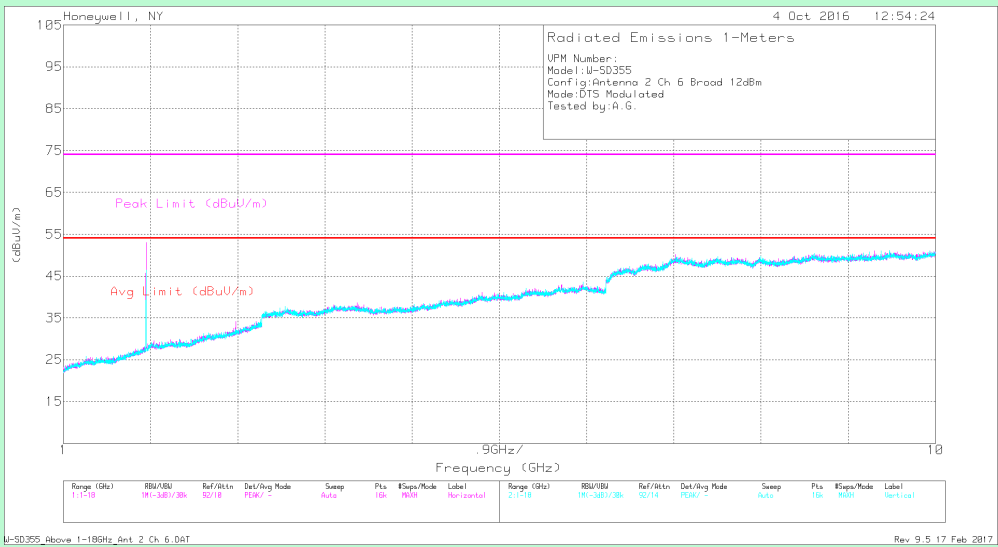
TEST GRAPHS – 1GHz to 10GHz (ANTENNA 2)



Channel 1 (902.875 MHz) – Antenna 2



Channel 3 (914.325 MHz) – Antenna 2



Channel 6 (927.125 MHz) – Antenna 2

TEST RESULT – 1 GHz to 10 GHz – CHANNEL 1

PEAK DATA – RESTRICTED BAND

Frequency (GHz)	Meter Reading (dBuV)	Det	AF [dB/m]	Preamp [dB]	SMA1 [dB]	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.708	43.64	PK2	29.3	-27.1	5	50.84	74	23.16	163	341	H
* 3.613	41.38	PK2	31.6	-26.8	5.4	51.58	74	22.42	33	176	H
* 4.514	41.53	PK2	32.2	-26.6	6	53.13	74	20.87	258	352	H
* 5.416	40.71	PK2	34.3	-26.7	6.4	54.71	74	19.29	172	182	H
* 8.126	40.82	PK2	37.1	-26.2	7.5	59.22	74	14.78	200	309	H
* 9.03	41.31	PK2	37.6	-25.9	7.3	60.31	74	13.69	185	351	H
* 2.708	46.24	PK2	29.3	-27.1	5	53.44	74	20.56	278	370	V
* 3.61	41.64	PK2	31.6	-26.8	5.4	51.84	74	22.16	0	370	V
* 4.513	41.72	PK2	32.2	-26.6	6	53.32	74	20.68	330	315	V
* 5.417	40.98	PK2	34.3	-26.7	6.4	54.98	74	19.02	67	270	V
* 8.126	40.75	PK2	37.1	-26.2	7.5	59.15	74	14.85	0	362	V
* 9.029	40.95	PK2	37.6	-25.9	7.3	59.95	74	14.05	150	188	V

PEAK DATA – NON RESTRICTED BAND

Frequency (GHz)	Meter Reading (dBuV)	Det	AF [dB/m]	Preamp [dB]	SMA1 [dB]	Corrected Reading (dBuV/m)	Peak Limit [Fundamental-20dBc] (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.805	55.12	PK2	27	-26.9	4.2	59.42	85.5	26.08	87	288	H
6.318	40.67	PK2	34.9	-26.4	7.1	56.27	85.5	29.23	125	341	H
7.224	40.69	PK2	36.3	-26.2	6.8	57.59	85.5	27.91	7	295	H
1.805	48.68	PK2	27	-26.9	4.2	52.98	85.5	32.52	261	380	V
6.321	41.68	PK2	34.9	-26.4	7.1	57.28	85.5	28.22	102	291	V
7.221	40.79	PK2	36.3	-26.2	6.8	57.69	85.5	27.81	266	362	V

AVERAGE DATA – RESTRICTED BAND

Frequency (GHz)	Meter Reading (dBuV)	Det	AF [dB/m]	Preamp [dB]	SMA1 [dB]	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.709	35.05	MAV1	29.3	-27.1	5	42.25	54	11.75	163	341	H
* 3.611	29.1	MAV1	31.6	-26.8	5.4	39.3	54	14.7	33	176	H
* 4.516	28.78	MAV1	32.2	-26.6	6	40.38	54	13.62	258	352	H
* 5.418	8.28	MAV1	34.3	-	6.2	48.78	54	5.22	119	345	H
* 8.126	7.59	MAV1	37.1	-	7.6	52.29	54	1.71	308	328	H
* 9.029	-2.58	MAV1	37.6	-	9.2	44.22	54	9.78	289	123	H
* 2.709	38.07	MAV1	29.3	-27.1	5	45.27	54	8.73	278	370	V
* 3.61	29.34	MAV1	31.6	-26.8	5.4	39.54	54	14.46	0	370	V
* 4.513	29.78	MAV1	32.2	-26.6	6	41.38	54	12.62	330	315	V
* 5.416	28.7	MAV1	34.3	-26.7	6.4	42.7	54	11.3	67	270	V
* 8.124	28.52	MAV1	37.1	-26.2	7.5	46.92	54	7.08	0	362	V
* 9.028	28.97	MAV1	37.6	-25.9	7.3	47.97	54	6.03	150	188	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates intended frequency

PK - Peak detector

Qp - Quasi-Peak detector

Prescans performed in a pre-compliance chamber. Final measurements performed on an OATS.

Emissions shown in the plot are related to the chamber ambient

TEST RESULT – 1 GHz to 10 GHz – CHANNEL 3

PEAK DATA – RESTRICTED BAND

Frequency (GHz)	Meter Reading (dBuV)	Det	AF [dB/m]	Preamp [dB]	SMA1 [dB]	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.745	48.89	PK2	29.4	-27	4.9	56.19	74	17.81	111	332	H
* 3.657	41.46	PK2	31.8	-26.9	5.5	51.86	74	22.14	284	123	H
* 4.57	42.19	PK2	32.2	-26.7	6	53.69	74	20.31	48	346	H
* 7.316	40.14	PK2	36.7	-26.2	6.2	56.84	74	17.16	62	397	H
* 8.228	39.93	PK2	37.1	-26.1	7.3	58.23	74	15.77	312	176	H
* 9.143	41.14	PK2	37.6	-25.9	7.4	60.24	74	13.76	226	351	H
* 2.745	57.92	PK2	29.4	-27	4.9	65.22	74	8.78	59	194	V
* 3.657	41.9	PK2	31.8	-26.9	5.5	52.3	74	21.7	76	171	V
* 4.571	42.23	PK2	32.2	-26.7	6	53.73	74	20.27	76	249	V
* 7.313	40.74	PK2	36.7	-26.2	6.2	57.44	74	16.56	106	301	V
* 8.229	40.83	PK2	37.1	-26.1	7.3	59.13	74	14.87	124	237	V
* 9.142	41.58	PK2	37.6	-25.9	7.4	60.68	74	13.32	64	274	V

PEAK DATA – NON RESTRICTED BAND

Frequency (GHz)	Meter Reading (dBuV)	Det	AF [dB/m]	Preamp [dB]	SMA1 [dB]	Corrected Reading (dBuV/m)	Peak Limit [Fundamental-20dBc] (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.829	54.29	PK2	27.3	-26.9	4.2	58.89	85	26.11	169	105	H
5.486	39.94	PK2	34.4	-26.6	6.7	54.44	85	30.56	291	196	H
6.399	40.37	PK2	34.8	-26.2	7.1	56.07	85	28.93	150	385	H
1.828	47.49	PK2	27.2	-26.9	4.2	51.99	85	33.01	101	110	V
5.486	40.78	PK2	34.4	-26.6	6.7	55.28	85	29.72	181	295	V
6.399	41.39	PK2	34.8	-26.2	7.1	57.09	85	27.91	47	282	V

AVERAGE DATA – RESTRICTED BAND

Frequency (GHz)	Meter Reading (dBuV)	Det	AF [dB/m]	Preamp [dB]	SMA1 [dB]	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.743	28.87	MAv1	29.4	-27	4.9	36.17	54	17.83	111	332	H
* 3.656	29.19	MAv1	31.8	-26.9	5.5	39.59	54	14.41	284	123	H
* 4.571	28.81	MAv1	32.2	-26.7	6	40.31	54	13.69	48	346	H
* 7.316	27.68	MAv1	36.7	-26.2	6.2	44.38	54	9.62	62	397	H
* 8.227	27.92	MAv1	37.1	-26.1	7.3	46.22	54	7.78	312	176	H
* 9.145	28.99	MAv1	37.6	-25.9	7.4	48.09	54	5.91	226	351	H
* 2.743	33.77	MAv1	29.4	-27	4.9	41.07	54	12.93	59	194	V
* 3.656	29.46	MAv1	31.8	-26.9	5.5	39.86	54	14.14	76	171	V
* 4.571	29.7	MAv1	32.2	-26.7	6	41.2	54	12.8	76	249	V
* 7.313	27.87	MAv1	36.7	-26.2	6.2	44.57	54	9.43	106	301	V
* 8.227	28.57	MAv1	37.1	-26.1	7.3	46.87	54	7.13	124	237	V
* 9.142	28.95	MAv1	37.6	-25.9	7.4	48.05	54	5.95	64	274	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates intended frequency

PK - Peak detector

Qp - Quasi-Peak detector

Prescans performed in a pre-compliance chamber. Final measurements performed on an OATS.

Emissions shown in the plot are related to the chamber ambient

TEST RESULT – 1 GHz to 10 GHz – CHANNEL 6

PEAK DATA – RESTRICTED BAND

Frequency (GHz)	Meter Reading (dBuV)	Det	AF [dB/m]	Preamp [dB]	SMA1 [dB]	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.781	44.3	PK2	29.5	-27.1	4.8	51.5	74	22.5	160	399	H
* 3.71	41.46	PK2	32	-26.9	5.6	52.16	74	21.84	299	190	H
* 4.636	40.85	PK2	32.4	-26.6	6.1	52.75	74	21.25	232	271	H
* 7.418	40.38	PK2	36.8	-26.2	7.1	58.08	74	15.92	63	395	H
* 8.346	40.8	PK2	37.3	-26.1	7.6	59.6	74	14.4	199	330	H
* 2.781	44.05	PK2	29.5	-27.1	4.8	51.25	74	22.75	228	364	V
* 3.708	42.33	PK2	32	-26.9	5.6	53.03	74	20.97	222	229	V
* 4.634	41.64	PK2	32.4	-26.6	6.1	53.54	74	20.46	304	339	V
* 7.416	40.79	PK2	36.8	-26.2	7.1	58.49	74	15.51	139	323	V
* 8.345	42.74	PK2	37.3	-26.1	7.6	61.54	74	12.46	107	254	V

PEAK DATA – NON RESTRICTED BAND

Frequency (GHz)	Meter Reading (dBuV)	Det	AF [dB/m]	Preamp [dB]	SMA1 [dB]	Corrected Reading (dBuV/m)	Peak Limit [Fundamental-20dBc] (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.854	59.19	PK2	27.5	-26.9	4.2	63.99	82.6	18.61	150	158	H
5.565	40.36	PK2	34.4	-26.4	6.7	55.06	82.6	27.54	184	371	H
6.492	41.06	PK2	34.8	-26.4	7.3	56.76	82.6	25.84	127	391	H
9.27	41.44	PK2	37.8	-26	7.5	60.74	82.6	21.86	246	200	H
1.854	64.01	PK2	27.5	-26.9	4.2	68.81	82.6	13.79	130	323	V
5.563	40.76	PK2	34.4	-26.4	6.7	55.46	82.6	27.14	186	231	V
6.488	41.59	PK2	34.8	-26.4	7.2	57.19	82.6	25.41	69	312	V
9.271	41.41	PK2	37.8	-26	7.5	60.71	82.6	21.89	180	143	V

AVERAGE DATA – RESTRICTED BAND

Frequency (GHz)	Meter Reading (dBuV)	Det	AF [dB/m]	Preamp [dB]	SMA1 [dB]	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.781	35.79	MAv1	29.5	-27.1	4.8	42.99	54	11.01	160	399	H
* 3.71	29.2	MAv1	32	-26.9	5.6	39.9	54	14.1	299	190	H
* 4.634	28.93	MAv1	32.4	-26.6	6.1	40.83	54	13.17	232	271	H
* 7.418	28.27	MAv1	36.8	-26.2	7.1	45.97	54	8.03	63	395	H
* 8.345	28.59	MAv1	37.3	-26.1	7.6	47.39	54	6.61	199	330	H
* 2.781	35.18	MAv1	29.5	-27.1	4.8	42.38	54	11.62	228	364	V
* 3.71	29.34	MAv1	32	-26.9	5.6	40.04	54	13.96	222	229	V
* 4.637	29.61	MAv1	32.4	-26.6	6.1	41.51	54	12.49	304	339	V
* 7.415	28.4	MAv1	36.8	-26.2	7.1	46.1	54	7.9	139	323	V
* 8.342	30.08	MAv1	37.3	-26.1	7.6	48.88	54	5.12	107	254	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates intended frequency

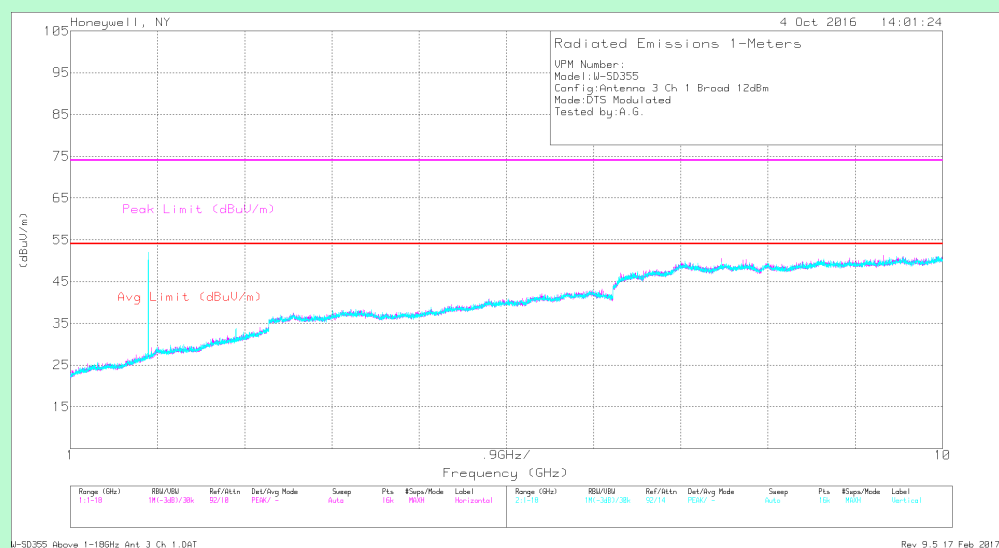
PK - Peak detector

Qp - Quasi-Peak detector

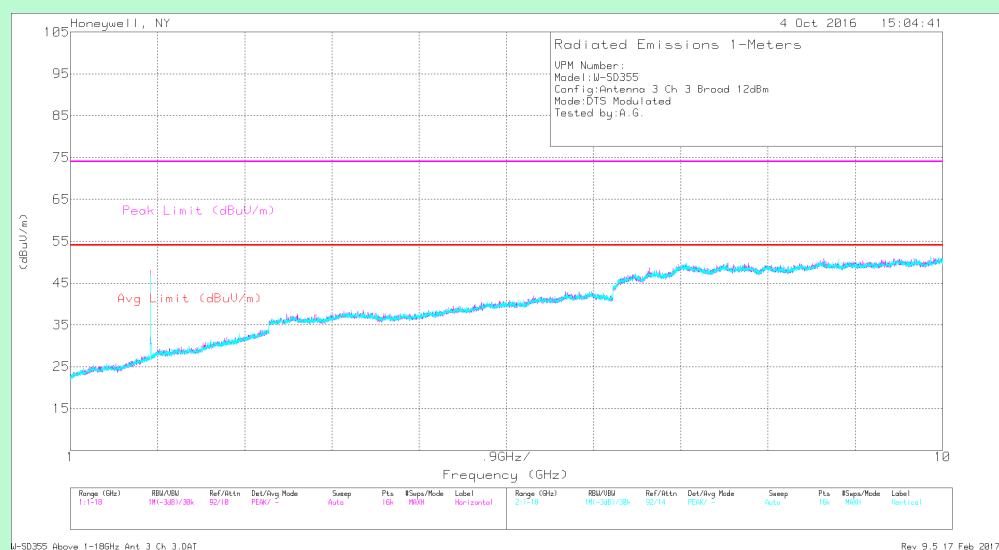
Prescans performed in a pre-compliance chamber. Final measurements performed on an OATS.

Emissions shown in the plot are related to the chamber ambient

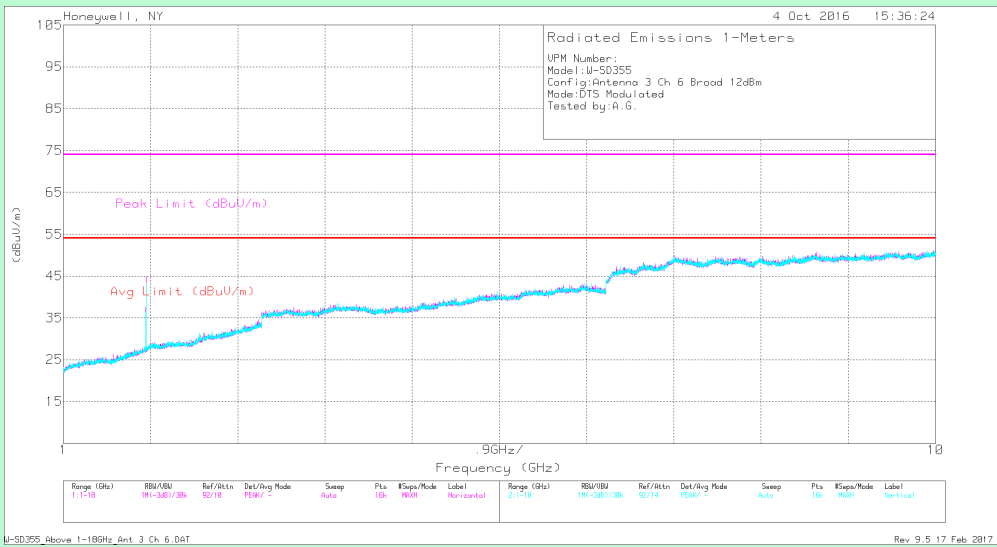
TEST GRAPHS – 1GHz to 10GHz (ANTENNA 3)



Channel 1 (902.875 MHz) – Antenna 3



Channel 3 (914.325 MHz) – Antenna 3



Channel 6 (927.125 MHz) – Antenna 3

TEST RESULT – 1 GHz to 10 GHz – CHANNEL 1

PEAK DATA – RESTRICTED BAND

Frequency (GHz)	Meter Reading (dBuV)	Det	AF [dB/m]	Preamp [dB]	SMA1 [dB]	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.745	53.47	PK2	29.4	-27	4.9	60.77	74	13.23	83	381	H
* 3.657	41.34	PK2	31.8	-26.9	5.5	51.74	74	22.26	200	167	H
* 4.571	41.27	PK2	32.2	-26.7	6	52.77	74	21.23	150	352	H
* 7.316	40.18	PK2	36.7	-26.2	6.2	56.88	74	17.12	5	181	H
* 8.23	40.61	PK2	37.1	-26.1	7.3	58.91	74	15.09	85	260	H
* 9.145	41.63	PK2	37.6	-25.9	7.4	60.73	74	13.27	45	187	H
* 2.745	55.09	PK2	29.4	-27	4.9	62.39	74	11.61	204	320	V
* 3.659	41.32	PK2	31.8	-26.9	5.4	51.62	74	22.38	136	282	V
* 4.573	41.38	PK2	32.2	-26.7	6	52.88	74	21.12	133	300	V
* 7.315	40.02	PK2	36.7	-26.2	6.2	56.72	74	17.28	337	113	V
* 8.231	40.28	PK2	37.1	-26.1	7.3	58.58	74	15.42	8	302	V
* 9.141	41.11	PK2	37.6	-25.9	7.4	60.21	74	13.79	119	253	V

PEAK DATA – NON RESTRICTED BAND

Frequency (GHz)	Meter Reading (dBuV)	Det	AF [dB/m]	Preamp [dB]	SMA1 [dB]	Corrected Reading (dBuV/m)	Peak Limit [Fundamental-20dBc] (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.828	53.87	PK2	27.2	-26.9	4.2	58.37	80.6	22.23	0	101	H
5.487	40.39	PK2	34.4	-26.6	6.7	54.89	80.6	25.71	80	389	H
6.399	40.63	PK2	34.8	-26.2	7.1	56.33	80.6	24.27	17	362	H
1.828	49.44	PK2	27.2	-26.9	4.2	53.94	80.6	26.66	298	194	V
5.485	40.28	PK2	34.4	-26.6	6.7	54.78	80.6	25.82	91	394	V
6.399	41.84	PK2	34.8	-26.2	7.1	57.54	80.6	23.06	114	357	V

AVERAGE DATA – RESTRICTED BAND

Frequency (GHz)	Meter Reading (dBuV)	Det	AF [dB/m]	Preamp [dB]	SMA1 [dB]	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.745	30.57	MAv1	29.4	-27	4.9	37.87	54	16.13	83	381	H
* 3.659	29.21	MAv1	31.8	-26.9	5.4	39.51	54	14.49	200	167	H
* 4.572	28.87	MAv1	32.2	-26.7	6	40.37	54	13.63	150	352	H
* 7.313	27.84	MAv1	36.7	-26.2	6.2	44.54	54	9.46	5	181	H
* 8.228	28.06	MAv1	37.1	-26.1	7.3	46.36	54	7.64	85	260	H
* 9.143	28.98	MAv1	37.6	-25.9	7.4	48.08	54	5.92	45	187	H
* 2.743	30.19	MAv1	29.4	-27	4.9	37.49	54	16.51	204	320	V
* 3.659	29.13	MAv1	31.8	-26.9	5.5	39.53	54	14.47	136	282	V
* 4.57	28.9	MAv1	32.2	-26.7	6	40.4	54	13.6	133	300	V
* 7.313	27.71	MAv1	36.7	-26.2	6.2	44.41	54	9.59	337	113	V
* 8.227	28.12	MAv1	37.1	-26.1	7.3	46.42	54	7.58	8	302	V
* 9.142	28.95	MAv1	37.6	-25.9	7.4	48.05	54	5.95	119	253	V

TEST RESULT – 1 GHz to 10 GHz – CHANNEL 3

PEAK DATA – RESTRICTED BAND

Frequency (GHz)	Meter Reading (dBuV)	Det	AF [dB/m]	Preamp [dB]	SMA1 [dB]	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.745	47.21	PK2	29.4	-27	4.9	54.51	74	19.49	34	178	H
* 3.656	41.46	PK2	31.8	-26.9	5.5	51.86	74	22.14	283	167	H
* 4.57	41.42	PK2	32.2	-26.7	6	52.92	74	21.08	191	296	H
* 7.313	40.4	PK2	36.7	-26.2	6.2	57.1	74	16.9	44	175	H
* 8.23	40.55	PK2	37.1	-26.1	7.3	58.85	74	15.15	173	170	H
* 9.143	41.07	PK2	37.6	-25.9	7.4	60.17	74	13.83	140	253	H
* 2.745	60.02	PK2	29.4	-27	4.9	67.32	74	6.68	351	202	V
* 3.656	41.64	PK2	31.8	-26.9	5.5	52.04	74	21.96	173	333	V
* 4.573	42.28	PK2	32.2	-26.7	6	53.78	74	20.22	68	282	V
* 7.316	40.36	PK2	36.7	-26.2	6.2	57.06	74	16.94	276	397	V
* 8.231	41.47	PK2	37.1	-26.1	7.3	59.77	74	14.23	118	336	V
* 9.143	41.53	PK2	37.6	-25.9	7.4	60.63	74	13.37	212	162	V

PEAK DATA – NON RESTRICTED BAND

Frequency (GHz)	Meter Reading (dBuV)	Det	AF [dB/m]	Preamp [dB]	SMA1 [dB]	Corrected Reading (dBuV/m)	Peak Limit [Fundamental-20dBc] (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.828	52.29	PK2	27.2	-26.9	4.2	56.79	80.2	23.41	141	108	H
5.487	40.14	PK2	34.4	-26.6	6.7	54.64	80.2	25.56	15	160	H
6.402	39.93	PK2	34.8	-26.2	7.1	55.63	80.2	24.57	37	244	H
1.828	46.36	PK2	27.2	-26.9	4.2	50.86	80.2	29.34	150	100	V
5.486	40.56	PK2	34.4	-26.6	6.7	55.06	80.2	25.14	131	185	V
6.399	41.69	PK2	34.8	-26.2	7.1	57.39	80.2	22.81	39	324	V

AVERAGE DATA – RESTRICTED BAND

Frequency (GHz)	Meter Reading (dBuV)	Det	AF [dB/m]	Preamp [dB]	SMA1 [dB]	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.742	30.33	MAv1	29.4	-27	4.9	37.63	54	16.37	34	178	H
* 3.656	29.26	MAv1	31.8	-26.9	5.5	39.66	54	14.34	283	167	H
* 4.571	29.25	MAv1	32.2	-26.7	6	40.75	54	13.25	191	296	H
* 7.314	27.81	MAv1	36.7	-26.2	6.2	44.51	54	9.49	44	175	H
* 8.227	28.03	MAv1	37.1	-26.1	7.3	46.33	54	7.67	173	170	H
* 9.145	29.01	MAv1	37.6	-25.9	7.4	48.11	54	5.89	140	253	H
* 2.745	32.19	MAv1	29.4	-27	4.9	39.49	54	14.51	351	202	V
* 3.659	29.15	MAv1	31.8	-26.9	5.5	39.55	54	14.45	173	333	V
* 4.57	29.48	MAv1	32.2	-26.7	6	40.98	54	13.02	68	282	V
* 7.313	27.93	MAv1	36.7	-26.2	6.2	44.63	54	9.37	276	397	V
* 8.227	28.87	MAv1	37.1	-26.1	7.3	47.17	54	6.83	118	336	V
* 9.142	29.01	MAv1	37.6	-25.9	7.4	48.11	54	5.89	212	162	V
* 2.742	30.33	MAv1	29.4	-27	4.9	37.63	54	16.37	34	178	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates intended frequency

PK - Peak detector

Qp - Quasi-Peak detector

Prescans performed in a pre-compliance chamber. Final measurements performed on an OATS.

Emissions shown in the plot are related to the chamber ambient

TEST RESULT – 1 GHz to 10 GHz – CHANNEL 6

PEAK DATA – RESTRICTED BAND

Frequency (GHz)	Meter Reading (dBuV)	Det	AF [dB/m]	Preamp [dB]	SMA1 [dB]	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.782	43.81	PK2	29.5	-27.1	4.9	51.11	74	22.89	108	374	H
* 3.708	41.95	PK2	32	-26.9	5.6	52.65	74	21.35	279	381	H
* 4.636	41.97	PK2	32.4	-26.6	6.1	53.87	74	20.13	26	385	H
* 7.418	40.71	PK2	36.8	-26.2	7.1	58.41	74	15.59	172	229	H
* 8.346	41.31	PK2	37.3	-26.1	7.6	60.11	74	13.89	248	199	H
* 2.782	45.53	PK2	29.5	-27.1	4.9	52.83	74	21.17	74	363	V
* 3.707	41.32	PK2	32	-26.9	5.6	52.02	74	21.98	274	160	V
* 4.637	41.69	PK2	32.4	-26.6	6.1	53.59	74	20.41	104	327	V
* 7.419	40.5	PK2	36.8	-26.2	7.1	58.2	74	15.8	84	372	V
* 8.343	42.16	PK2	37.3	-26.1	7.6	60.96	74	13.04	301	244	V

PEAK DATA – NON RESTRICTED BAND

Frequency (GHz)	Meter Reading (dBuV)	Det	AF [dB/m]	Preamp [dB]	SMA1 [dB]	Corrected Reading (dBuV/m)	Peak Limit [Fundamental-20dBc] (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.855	55.74	PK2	27.5	-26.9	4.2	60.54	79.2	18.66	140	352	H
5.561	40.3	PK2	34.4	-26.4	6.7	55	79.2	24.2	105	382	H
6.491	40.59	PK2	34.8	-26.4	7.3	56.29	79.2	22.91	199	371	H
9.271	41.65	PK2	37.8	-26	7.5	60.95	79.2	18.25	27	316	H
1.854	56.31	PK2	27.5	-26.9	4.2	61.11	79.2	18.09	28	388	V
5.562	40.61	PK2	34.4	-26.4	6.7	55.31	79.2	23.89	39	199	V
6.488	41.28	PK2	34.8	-26.4	7.2	56.88	79.2	22.32	220	234	V
9.273	41.12	PK2	37.8	-26	7.5	60.42	79.2	18.78	305	400	V

AVERAGE DATA – RESTRICTED BAND

Frequency (GHz)	Meter Reading (dBuV)	Det	AF [dB/m]	Preamp [dB]	SMA1 [dB]	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.781	34.16	MAv1	29.5	-27.1	4.8	41.36	54	12.64	108	374	H
* 3.709	29.4	MAv1	32	-26.9	5.6	40.1	54	13.9	279	381	H
* 4.634	29.32	MAv1	32.4	-26.6	6.1	41.22	54	12.78	26	385	H
* 7.415	28.34	MAv1	36.8	-26.2	7.1	46.04	54	7.96	172	229	H
* 8.342	28.76	MAv1	37.3	-26.1	7.6	47.56	54	6.44	248	199	H
* 2.781	37.15	MAv1	29.5	-27.1	4.8	44.35	54	9.65	74	363	V
* 3.709	29.35	MAv1	32	-26.9	5.6	40.05	54	13.95	274	160	V
* 4.635	29.36	MAv1	32.4	-26.6	6.1	41.26	54	12.74	104	327	V
* 7.417	28.4	MAv1	36.8	-26.2	7.1	46.1	54	7.9	84	372	V
* 8.342	29.72	MAv1	37.3	-26.1	7.6	48.52	54	5.48	301	244	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates intended frequency

PK - Peak detector

Qp - Quasi-Peak detector

Prescans performed in a pre-compliance chamber. Final measurements performed on an OATS.

Emissions shown in the plot are related to the chamber ambient

7.3 Effective Isotropic Radiated Power

EUT Nomenclature	Wireless Photo Detector	Test Request No.	20295-1
Model No.	FWD-200P	Serial No.	MEL-147
Test Start Date	2017-05-30	Temperature (°C)	0°C-35°C
Test End Date	2017-05-30	Humidity RH (%)	10%RH-90%RH
Tested By	Chris Locke	Pressure (mbar)	NR
Input Voltage / Freq.	3.3 Vdc		
Operating Mode	Refer Page 5 for Operating Mode Table		
Test configuration	Refer Page 5 for Test Configuration Table		
Deviation from Std.	NA		
Comment	NA		

MAXIMUM OPERATING FREQUENCY

902 MHz to 928 MHz

TEST PARAMETERS

Antenna Height	1m to 4m	Turntable Rotation	NA
Applicable Standard	ANSI C63.10 - 2013	Test Method	KDB 412172 v01r01
Equipment Class	NA	Measurement Distance	3m

TEST EQUIPMENT

Y/N	Equipment	Make	Model	Sl. No.	Cal Due Date
Y	Spectrum Analyzer	Rohde & Schwarz	FSW26	103125	2018-02-14
Y	Bilog Antenna	Sunol	JB6	A012816	2018-03-09
Y	Log Periodic Antenna	A.H.Systems	SAS-200	365TX	2018-02-02
Y	Preamplifier (Below 1GHz)	HP	8447D	2443AUF555	NA
Y	Signal Generator	Agilent	N5183A (MXG)	MY50140667	2018-06-02

Note: Switch ON /OFF the Internal Preamplifier based on carrier level and or noise floor without overloading the receiver

TEST RESULT – EIRP

ANTENNA	Frequency (MHz)	Polarity	Fundamental Target (dBuV/m)	Signal Generator Level (dBm)	EIRP (dBm)
1	902.875	H	97.62	5.7	6.5
1	902.875	V	89.72	-1.5	-0.7
1	914.325	H	99.84	9.1	9.9
1	914.325	V	89.74	-0.6	0.2
1	927.125	H	99.75	10.1	10.9
1	927.125	V	89.04	0.1	0.9
2	902.875	H	100.57	8.7	9.5
2	902.875	V	92.65	1.45	2.25
2	914.325	H	99.57	8.8	9.6
2	914.325	V	91.05	0.7	1.5
2	927.125	H	97.13	7.5	8.3
2	927.125	V	86.03	-2.9	-2.1
3	902.875	H	95.66	3.8	4.6
3	902.875	V	87.34	-3.5	-2.7
3	914.325	H	94.84	4	4.8
3	914.325	V	88.85	-1.5	-0.7
3	927.125	H	93.66	3.95	4.75
3	927.125	V	86.25	-2.7	-1.9

Note: EIRP=Signal Generator Level (dBm)+ Substitute Antenna Gain(dBi)+Cable loss(dB)
Substitute Antenna Gain =5.4dBi
Cable Loss =4.6dB

TEST SETUP PHOTOGRAPH

Refer Annexure -1

EIRP Test Setup