3 DTS CHANNELS

3.1 DTS 6dB BANDWIDTH

EUT Nomenclature	Wireless Monitor Module	**Test Request No.**	EMC-0004-2
Model No.	FW-MM	**Serial No.**	05879
Test Start Date	15-Oct-2013	**Temperature (˚C)**	23.2
Test End Date	20-Oct-2013	**Humidity RH (%)**	55.1
Tested By	Loganathan Joghee	**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		
Applicable standard	FCC Part 15.247		
Test Method	KDB 558074		
Comment			

TEST DETAILS

Method	☒ Conducted , ☐ Radiated

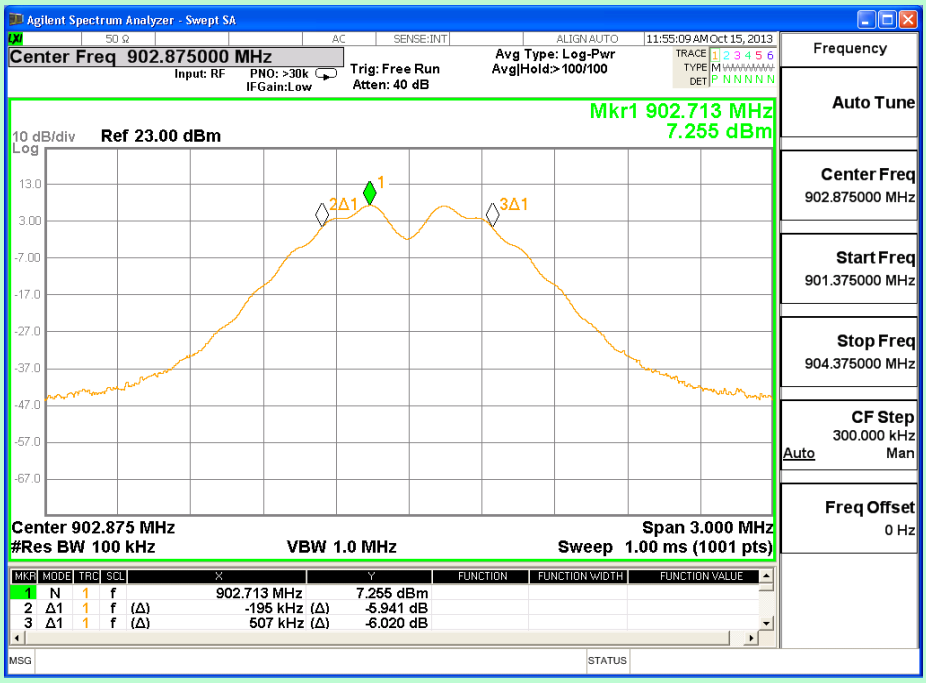
TEST PARAMETERS

Antenna Height	NA	**Turntable Rotation**	NA
Equipment Class	NA	**Measurement Distance**	NA

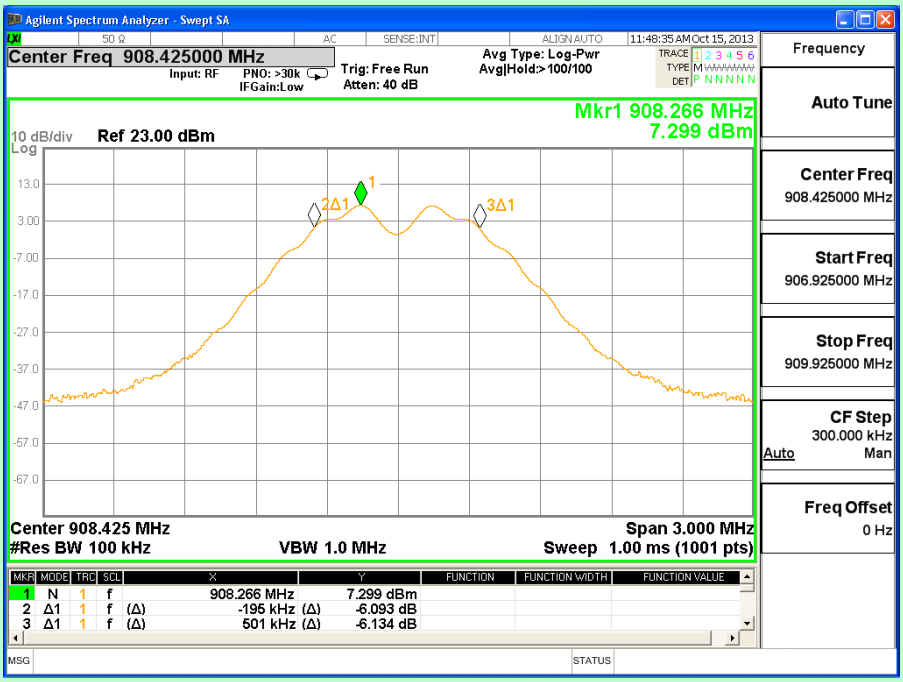
TEST EQUIPMENT

Y/N	Equipment	Make	Model	Serial Number	Cal Due Date
Y	Spectrum Analyzer	Agilent	N9010A	MY48031005	28-Nov-2014
Y	RF Cable	Huber- Suhner	SF104/2X11PC3542/500	NA	NA

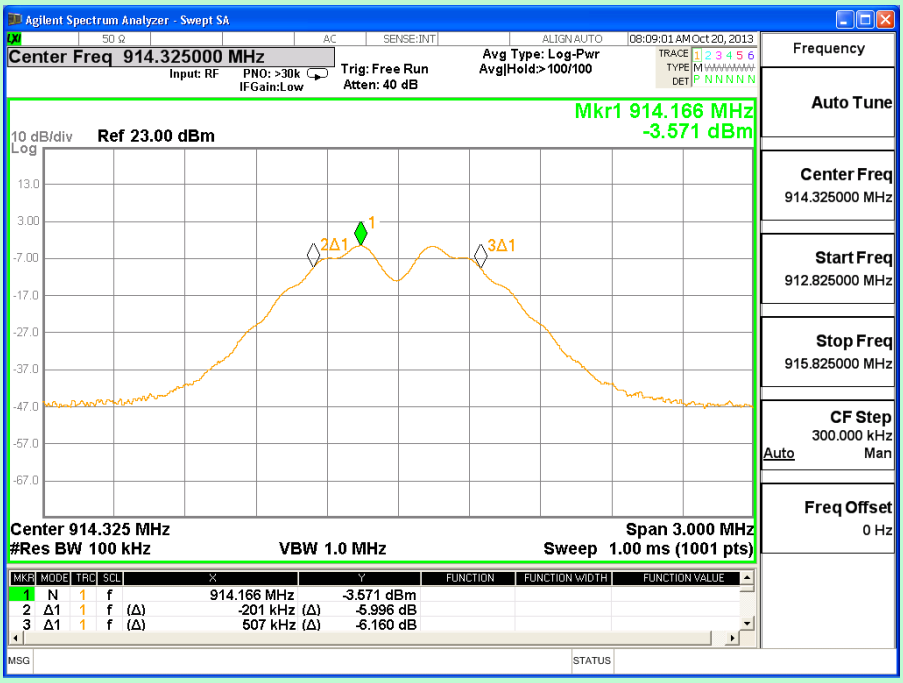
TEST GRAPHS



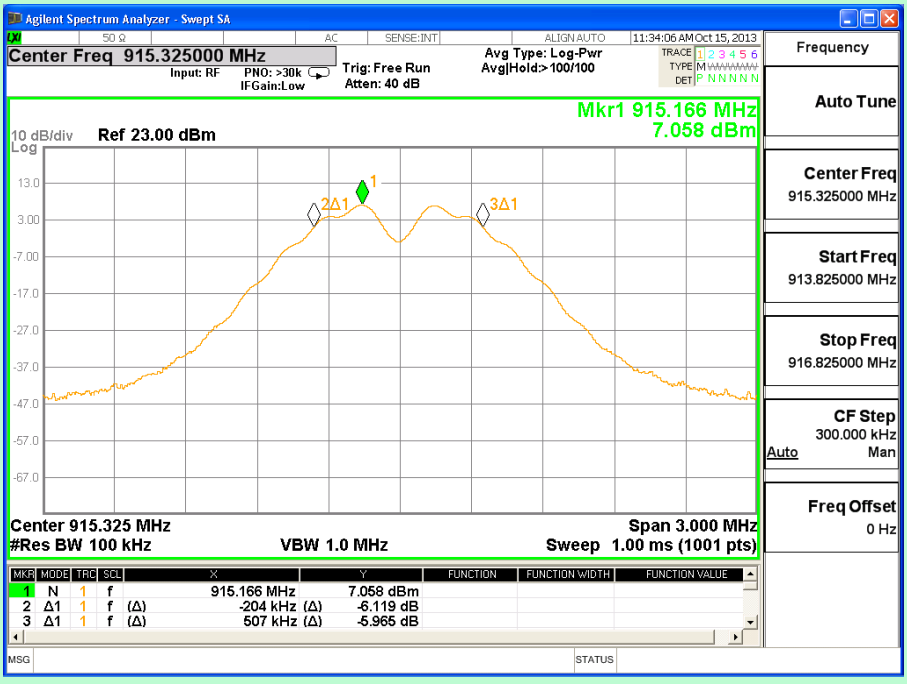
Channel 1 (902.875 MHz)



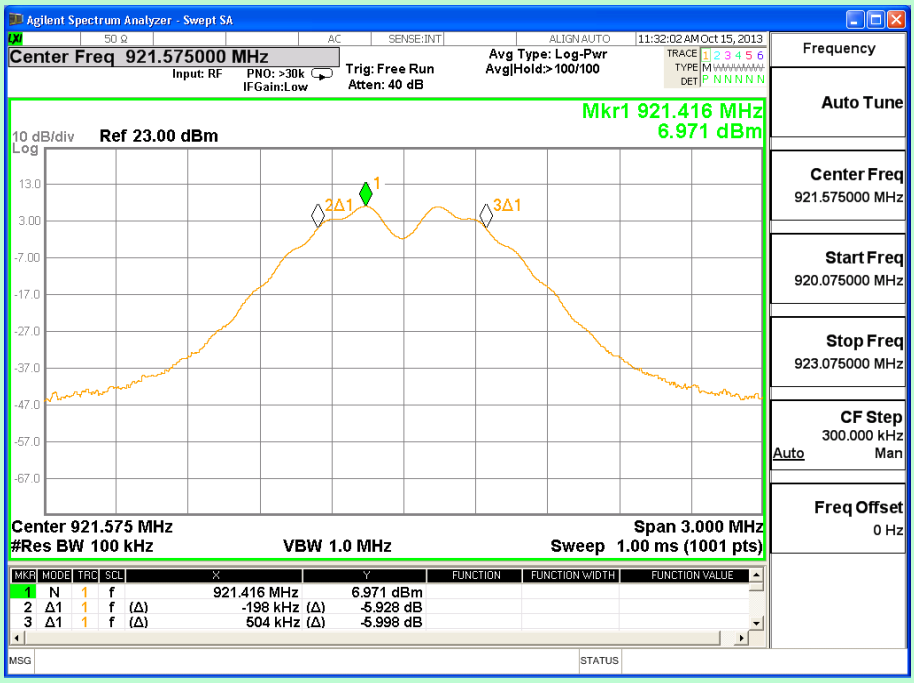
Channel 2 (908.425 MHz)



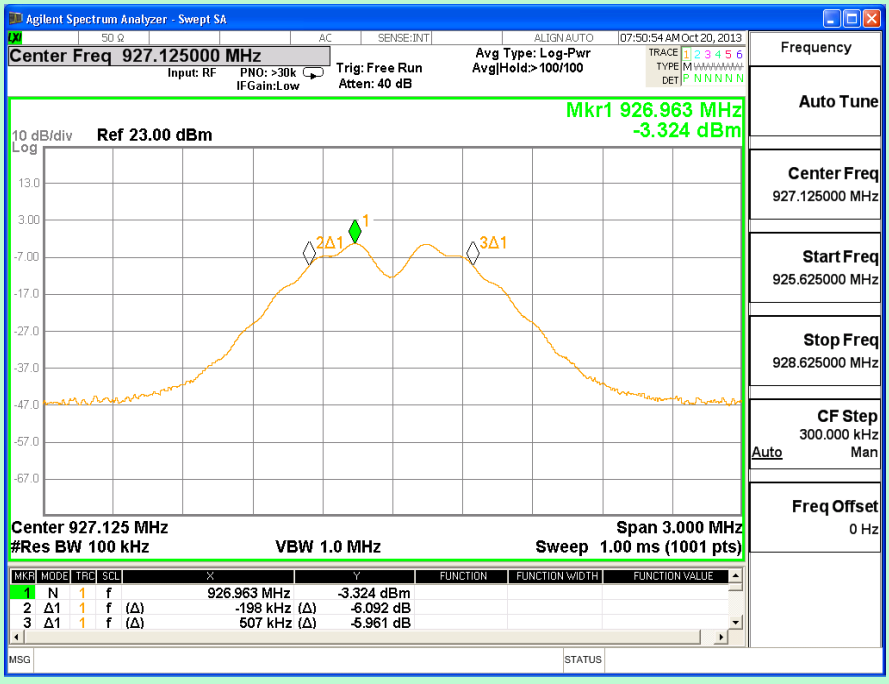
Channel 3 (914.325 M Hz)



Channel 4 (915.325 M Hz)



Channel 5 (921.575 M Hz)



Channel 6 (927.125 M Hz)

TEST RESULT

Channel #	Frequency MHz	Measured Value KHz	Limit KHz	Result
1	902.875	702	>500	PASS
2	908.425	696	>500	PASS
3	914.325	708	>500	PASS
4	915.325	711	>500	PASS
5	921.575	612	>500	PASS
6	927.125	705	>500	PASS

TEST SETUP PHOTOGRAPH

Refer Annexure -1

Conducted RF Test Setup

3.2 MAXIMUM PEAK CONDUCTED OUTPUT POWER

EUT Nomenclature	Wireless Monitor Module	**Test Request No.**	EMC-0004-2
Model No.	FW-MM	**Serial No.**	05879
Test Start Date	15-Oct-2013	**Temperature (˚C)**	23.3
Test End Date	20-Oct-2013	**Humidity RH (%)**	55.4
Tested By	Loganathan Joghee	**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		
Applicable standard	FCC Part 15.247		
Test Method	KDB 558074		
Comment			

TEST DETAILS

Method	☒ Conducted , ☐ Radiated	**DTS - Bandwidth**	☒ RBW ≥ DTS ☐ RBW ≤ DTS

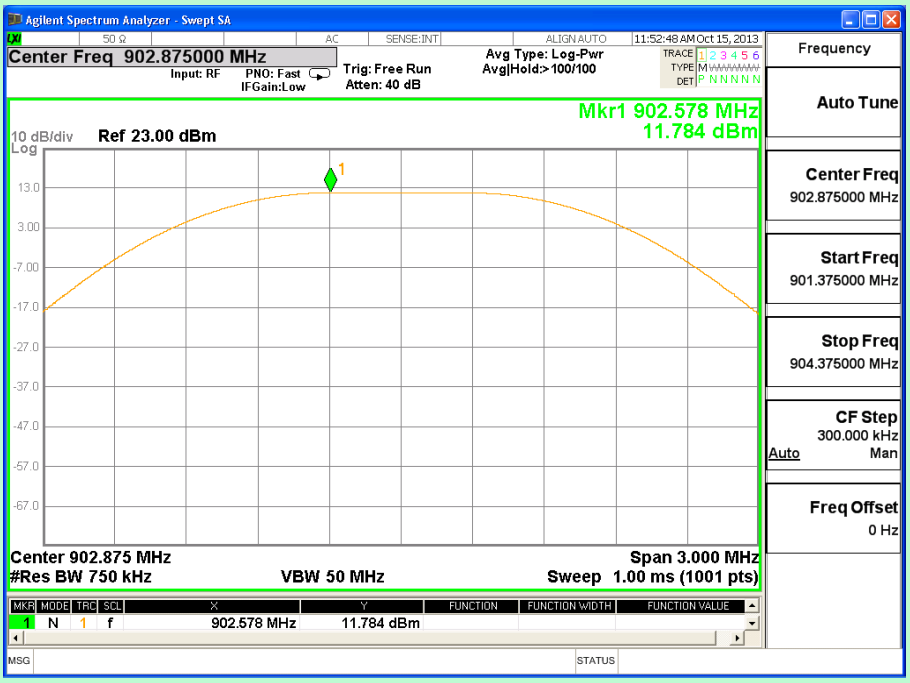
TEST PARAMETERS

Antenna Height	NA	**Turntable Rotation**	NA
Equipment Class	NA	**Measurement Distance**	NA

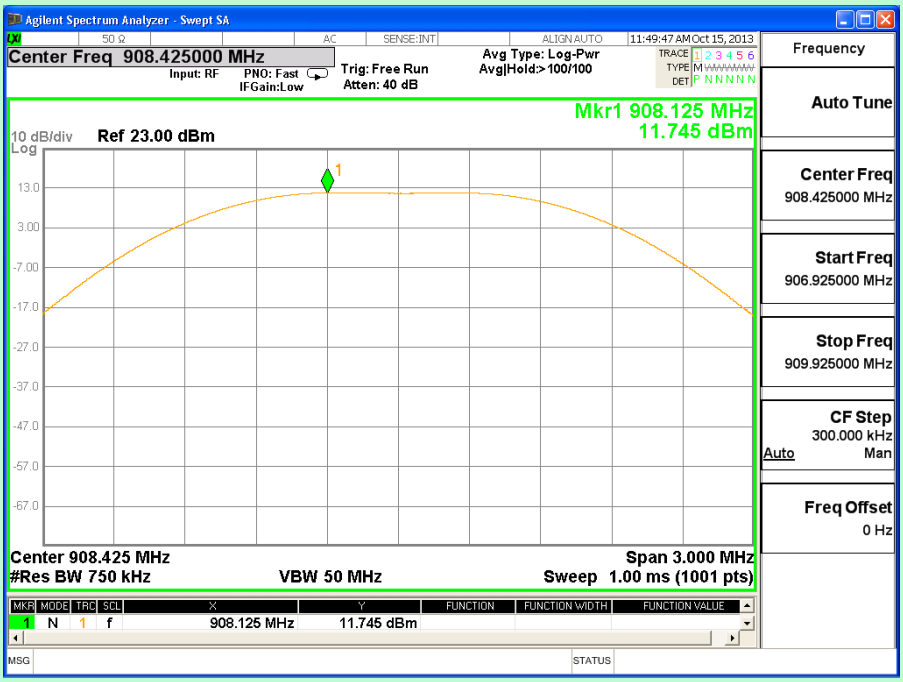
TEST EQUIPMENT

Y/N	Equipment	Make	Model	Sl. No.	Cal Due Date
Y	Spectrum Analyzer	Agilent	N9010A	MY48031005	28-Nov-2014
Y	RF Cable	Huber- Suhner	SF104/2X11PC3542/500	NA	NA

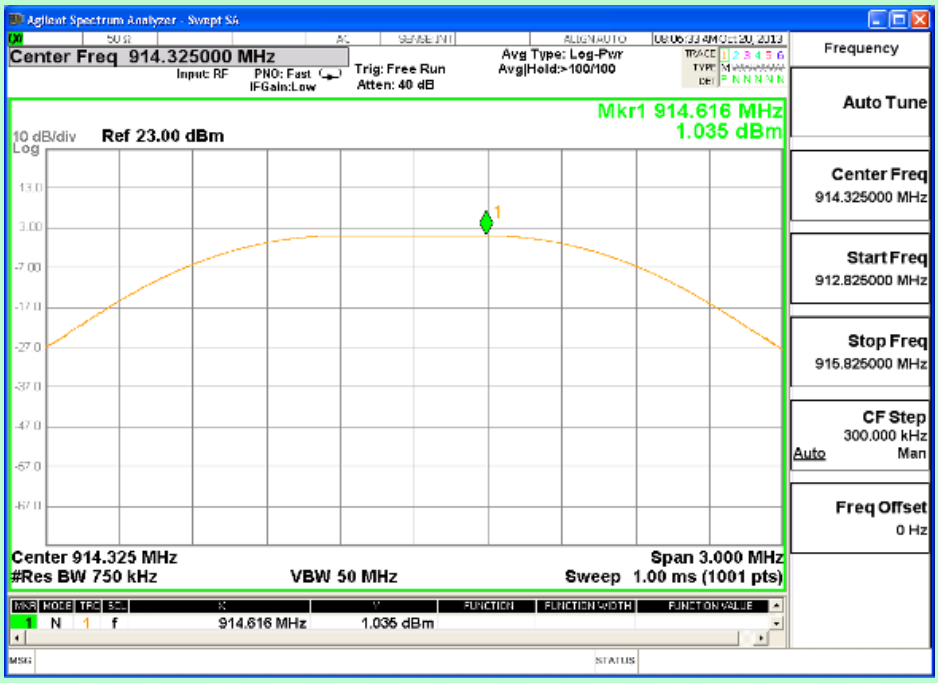
TEST GRAPHS



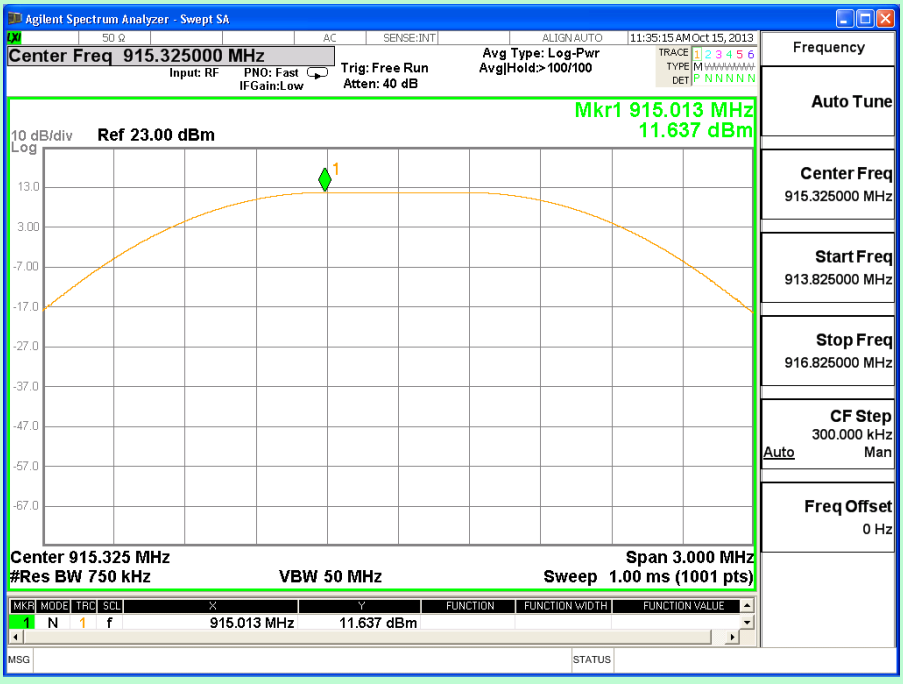
Channel 1 (902.875 MHz)



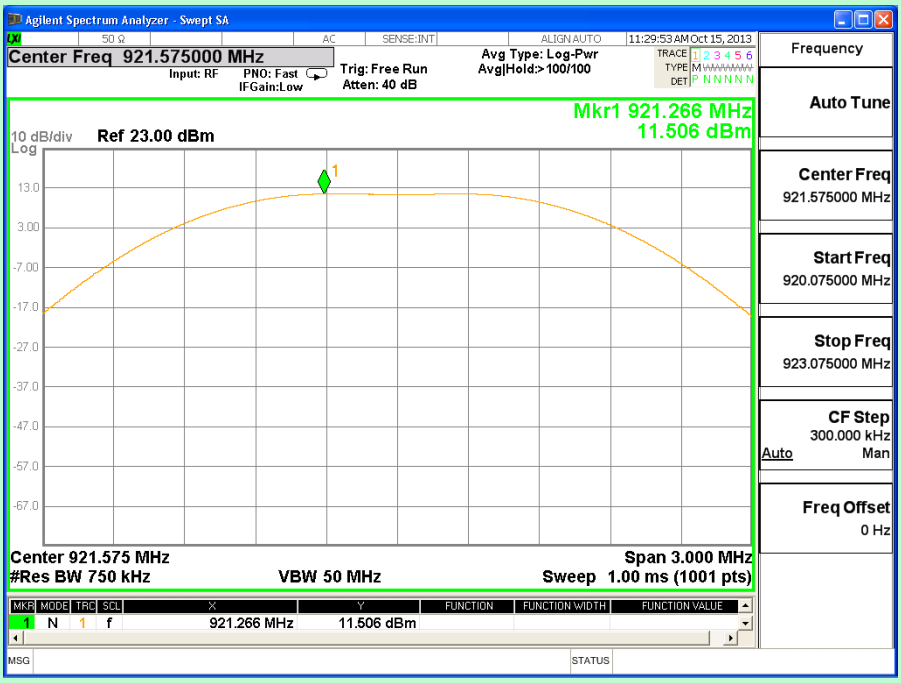
Channel 2 (908.425 MHz)



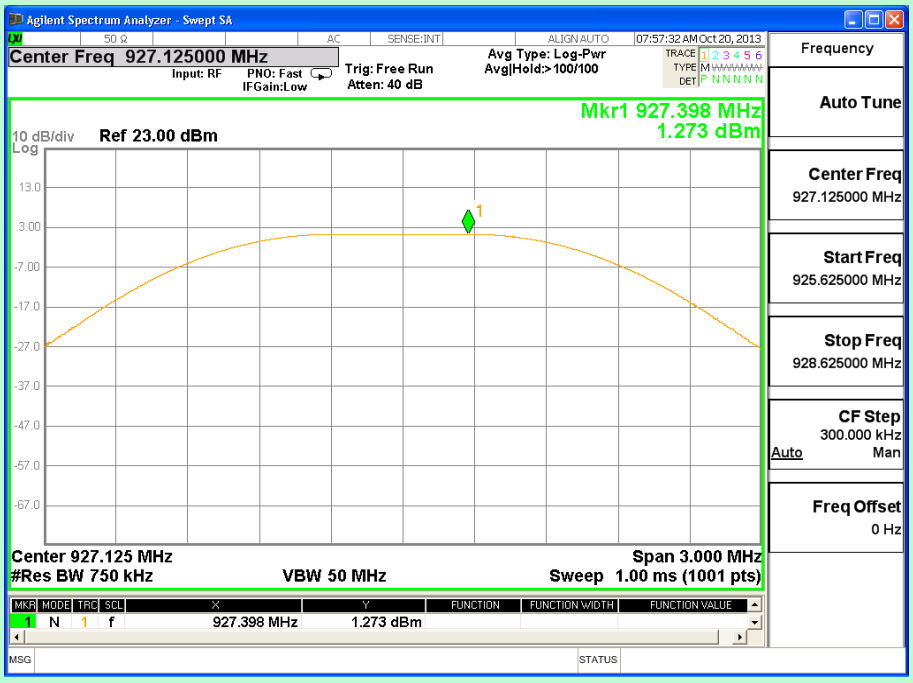
Channel 3 (914.325 MHz)



Channel 4 (915.325 MHz)



Channel 5 (921.575 MHz)



Channel 6 (927.125 MHz)

TEST RESULT

Channel #	Frequency MHz	Measured Level dBm	Cable Loss dB	Measured Level KHz	Limit dBm	Result
1	902.875	11.784	0.5	12.384	≤30	PASS
2	908.425	11.745	0.5	12.245	≤30	PASS
3	914.325	1.035	0.5	1.535	≤30	PASS
4	915.325	11.637	0.5	12.137	≤30	PASS
5	921.575	11.506	0.5	12.006	≤30	PASS
6	927.125	1.273	0.5	1.773	≤30	PASS

TEST SETUP PHOTOGRAPH

Refer Annexure -1

Conducted RF Test Setup

3.3 MAXIMUM POWER SPECTRAL DENSITY

EUT Nomenclature	Wireless Monitor Module	**Test Request No.**	EMC-0004-2
Model No.	FW-MM	**Serial No.**	05879
Test Start Date	15-Oct-2013	**Temperature (°C)**	23.3
Test End Date	20-Oct-2013	**Humidity RH (%)**	55.2
Tested By	Loganathan Joghee	**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		
Applicable standard	FCC Part 15.247		
Test Method	KDB 558074		
Comment			

TEST DETAILS

Method	☒ Conducted ☐ Radiated

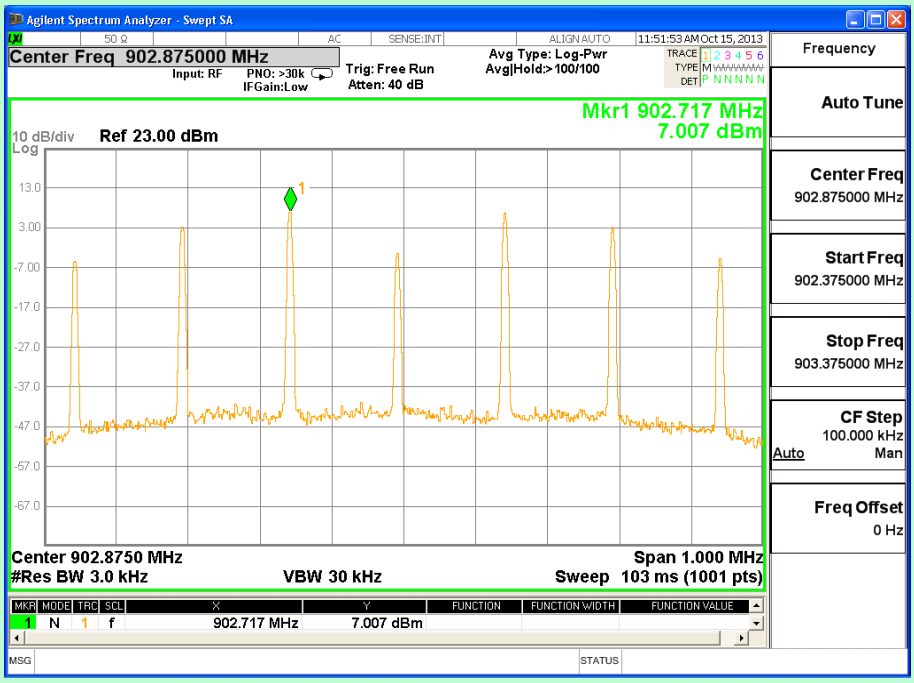
TEST PARAMETERS

Antenna Height	NA	**Turntable Rotation**	NA
Equipment Class	NA	**Measurement Distance**	NA

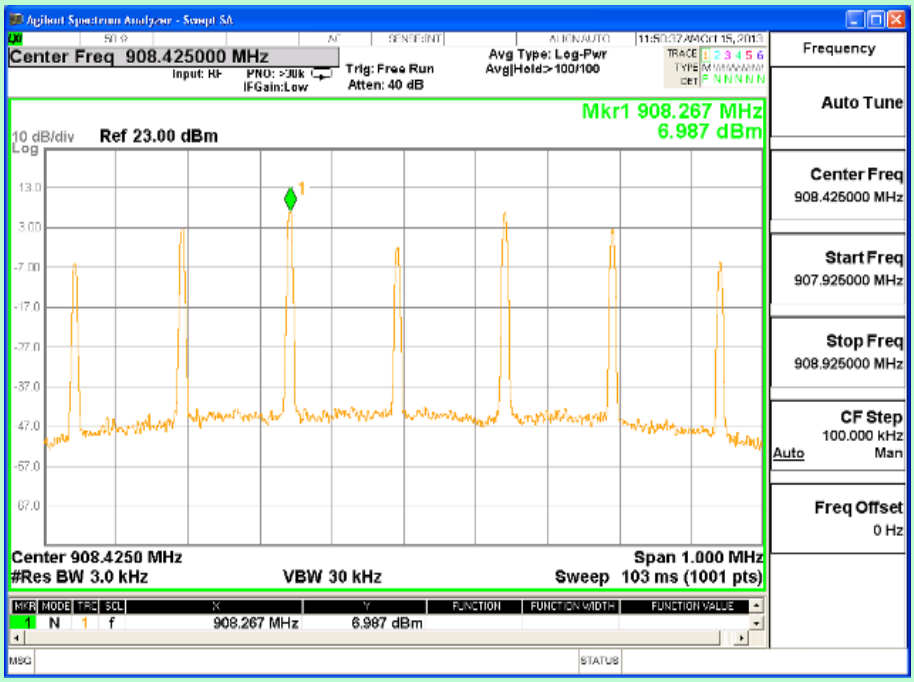
TEST EQUIPMENT

Y/N	Equipment	Make	Model	Sl. No.	Cal Due Date
Y	Spectrum Analyzer	Agilent	N9010A	MY48031005	28-Nov-2014
Y	RF Cable	Huber- Suhner	SF104/2X11PC3542/500	NA	NA

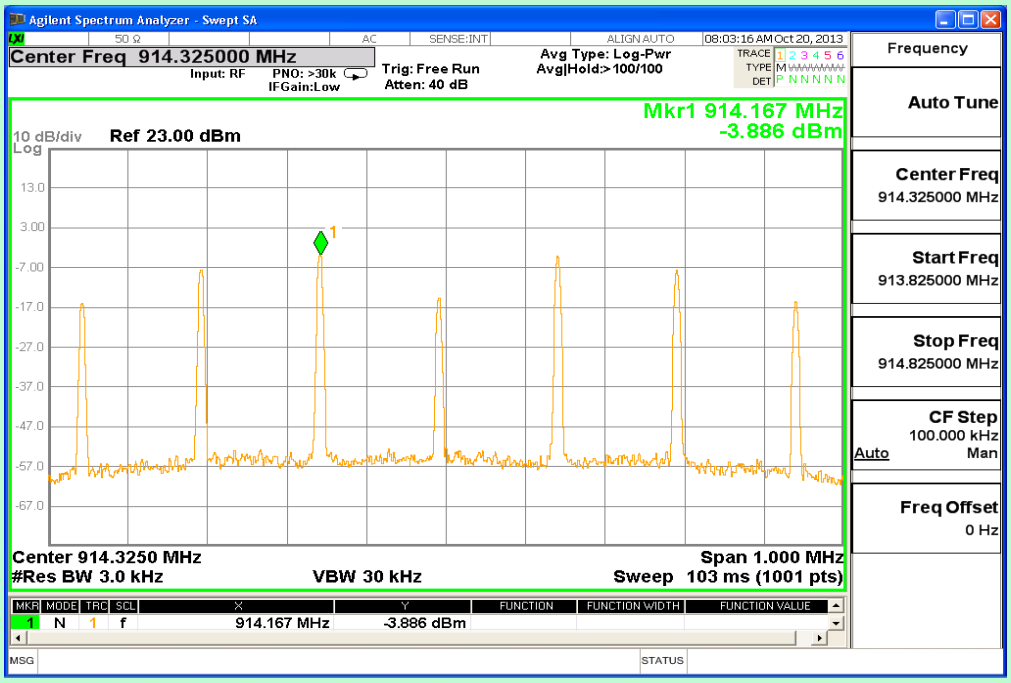
TEST GRAPHS



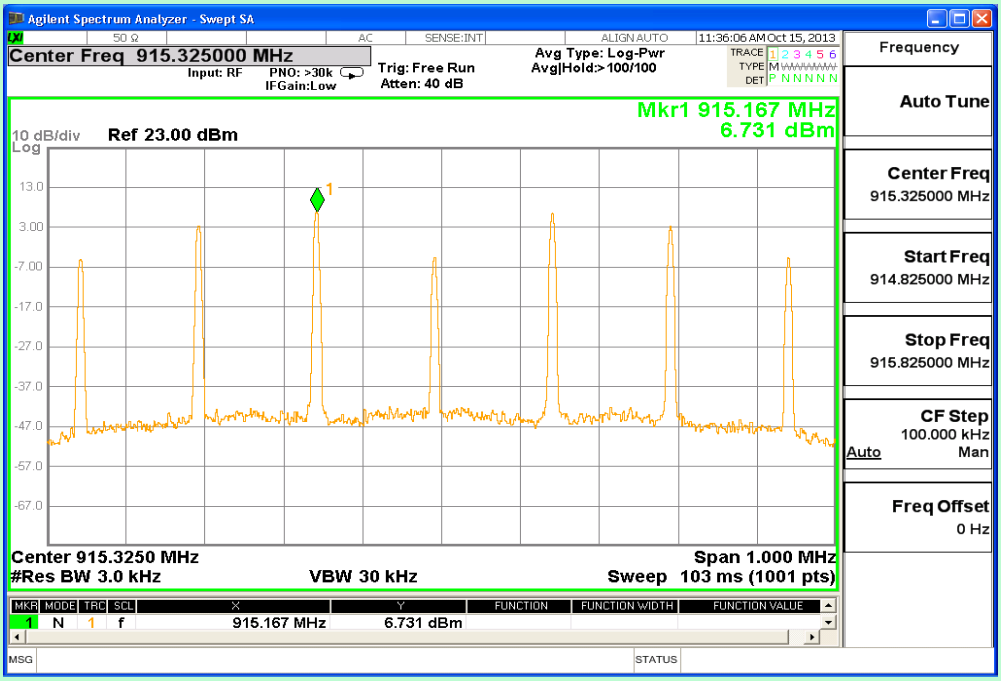
Channel 1 (902.875 MHz)



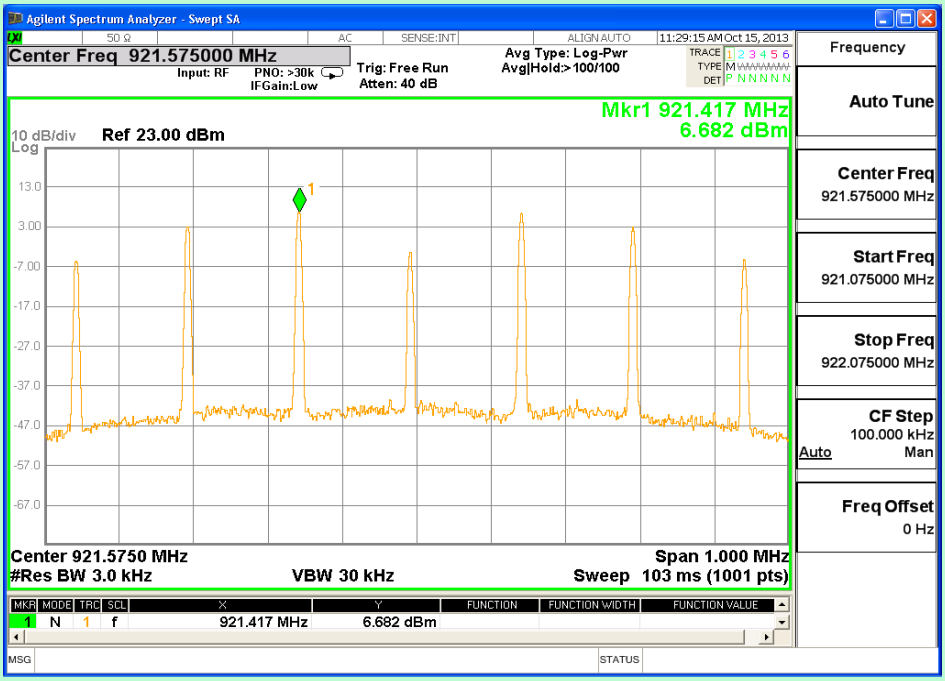
Channel 2 (908.425 MHz)



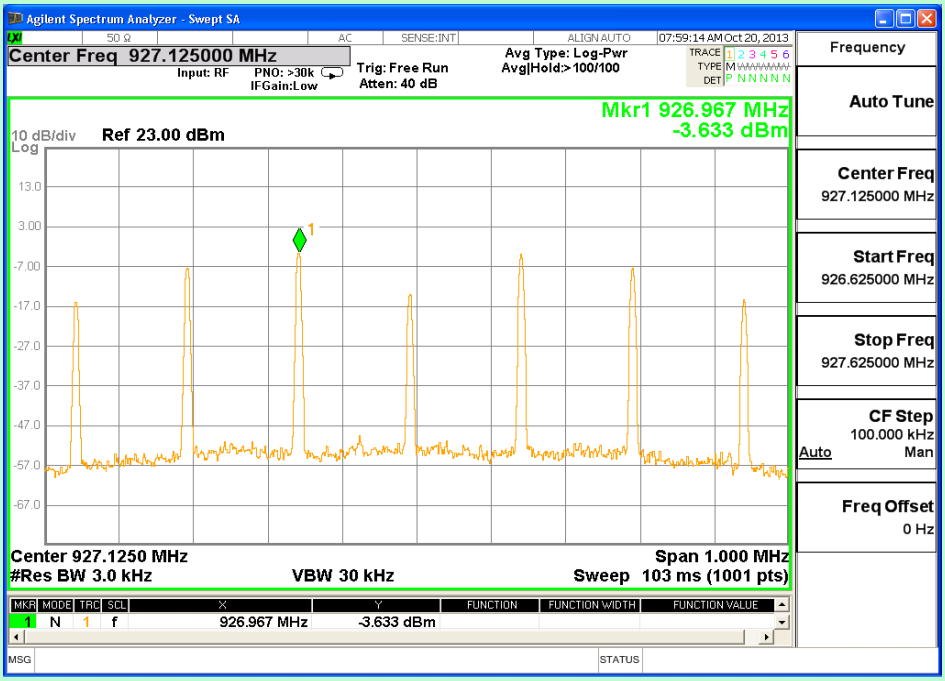
Channel 3 (914.325 M Hz)



Channel 4 (915.325 M Hz)



Channel 5 (921.575 MHz)



Channel 6 (927.125 MHz)

TEST RESULT

Channel #	Freq MHz	Measured Level dBm/3KHz	Limit dBm/ 3KHz	Result
1	902.875	7.007	<8	PASS
2	908.425	6.987	<8	PASS
3	914.325	-3.886	<8	PASS
4	915.325	6.731	<8	PASS
5	921.575	6.682	<8	PASS
6	927.125	-3.633	<8	PASS

TEST SETUP PHOTOGRAPH

Refer Annexure -1

Conducted RF Test Setup

3.4 BAND-EDGE MEASUREMENTS

EUT Nomenclature	Wireless Monitor Module	**Test Request No.**	EMC-0004-2
Model No.	FW-MM	**Serial No.**	05879
Test Start Date	15-Oct-2013	**Temperature (°C)**	23.1
Test End Date	20-Oct-2013	**Humidity RH (%)**	55.1
Tested By	Loganathan Joghee	**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		
Applicable standard	FCC Part 15.247		
Test Method	KDB 558074		
Comment			

TEST DETAILS

Method	☒ Conducted ☐ Radiated

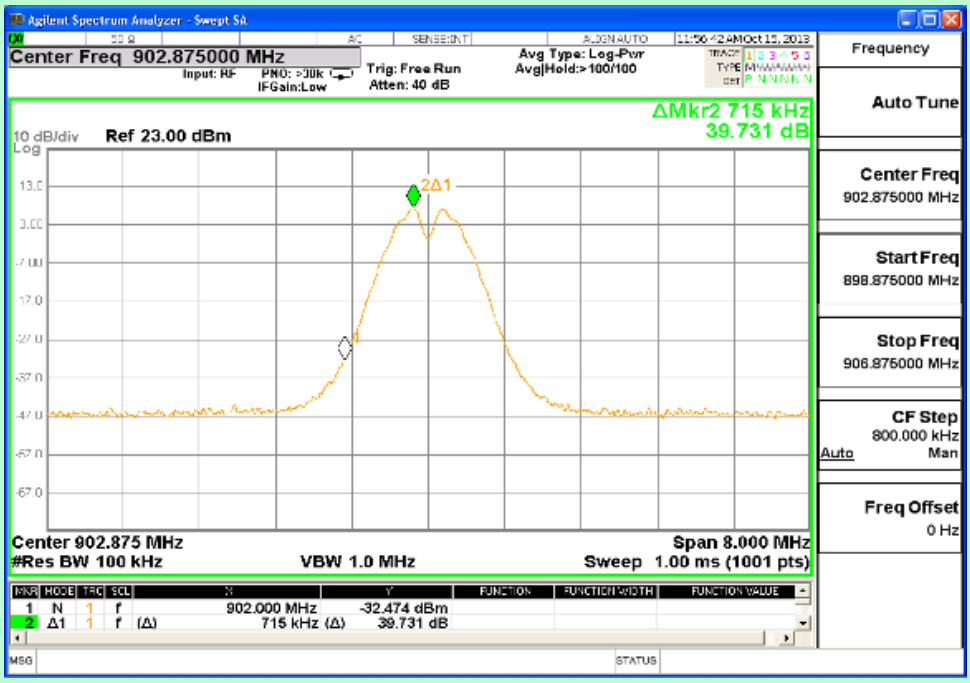
TEST PARAMETERS

Antenna Height	NA	**Turntable Rotation**	NA
Equipment Class	NA	**Measurement Distance**	NA

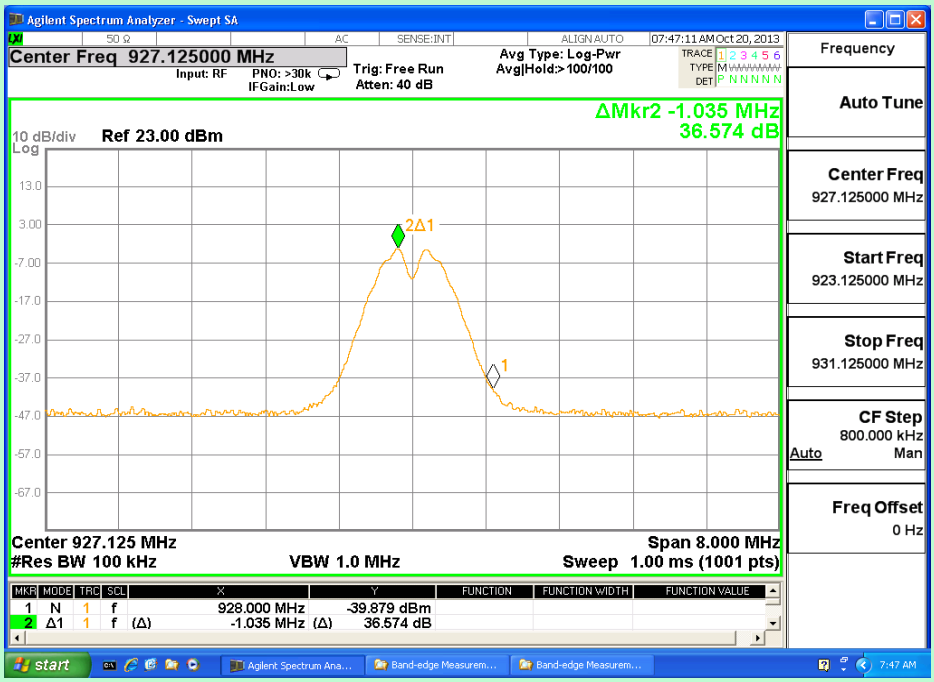
TEST EQUIPMENT

Y/N	Equipment	Make	Model	Serial Number	Cal Due Date
Y	Spectrum Analyzer	Agilent	N9010A	MY48031005	28-Nov-2014
Y	RF Cable	Huber- Suhner	SF104/2X11PC3542/500	NA	NA

TEST GRAPHS



Channel 1 (902.875 MHz)



Channel 6 (927.125 MHz)

TEST RESULT				
Channel #	Frequency MHz	Measured Level dB	Limit dBc	Results
1	902.875	39.731	>20	PASS
2	927.125	36.574	>20	PASS

TEST SETUP PHOTOGRAPH

Refer Annexure -1

Conducted RF Test Setup

3.5 SPURIOUS RADIATED EMISSIONS

EUT Nomenclature	Wireless Monitor Module	**Test Request No.**	EMC-0004-2
Model No.	FW-MM	**Serial No.**	05879
Test Start Date	02-Sep-2013	**Temperature (°C)**	23.4
Test End Date	06-Dec-2013	**Humidity RH (%)**	57.6
Tested By	Gulshan Kumar	**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			

TEST FREQUENCY RANGE

Start Frequency	9 KHz	**Stop Frequency**	10 GHz

MAXIMUM OPERATING FREQUENCY

902 MHz to 928 MHz

TEST PARAMETERS

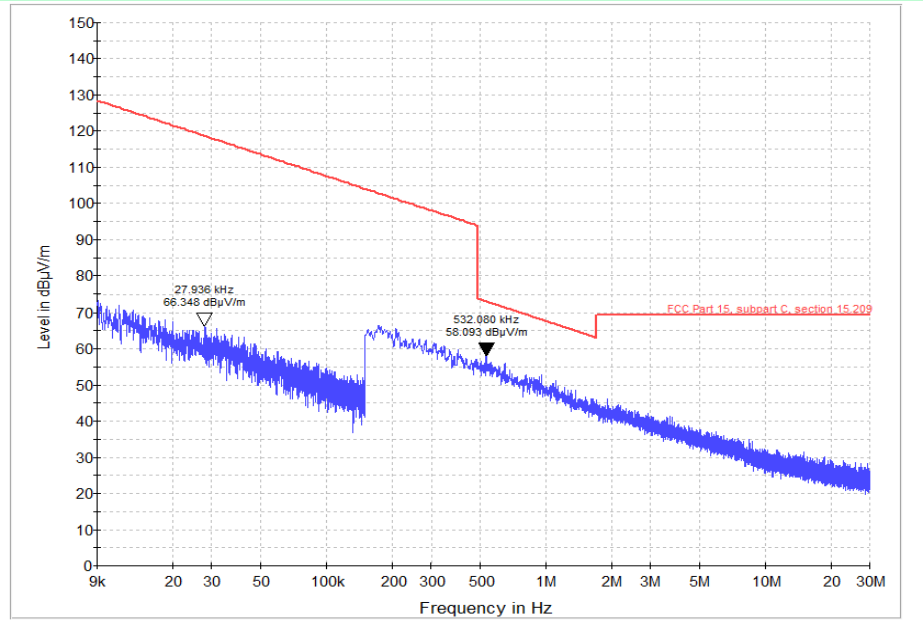
Antenna Height	1m to 4m	**Turntable Rotation**	0° to 360°
Applicable standard	FCC Part 15.247 & 15.209	**Test Method**	KDB 558074
Equipment Class	NA	**Measurement Distance**	3m

TEST EQUIPMENT

Y/N	Equipment	Make	Model	Sl. No.	Cal Due Date
Y	EMI Test Receiver	R&S	ESU26	100229	04-Feb-2014
Y	3m Semi Anechoic Chamber	ETS Lindgren	DKE 6X7 DBL.DR	1625	31-Dec-2013
Y	Double Ridge Guide Horn Antenna	ETS Lindgren	3117	00064055	07-Nov-2013
Y	Bilog Antenna	ETS Lindgren	HLP3003C	130525	30-Nov-2013
Y	Loop Antenna	ETS Lindgren	6507	000103694	12-Mar-2014
Y	RF cable (9KHz to 1GHz)	COLEMAN	RG214	RE-1A	09-May-2014
Y	RF cable (9KHz to 1GHz)	COLEMAN	RG214	RE-1B	09-May-2014
Y	RF cable (1GHz to 18GHz)	AH Systems	SAC-18G-06	RE-2A	09-May-2014
Y	RF cable (1GHz to 18GHz)	AH Systems	SAC-18G-06	RE-2B	09-May-2014
Y	High Pass Filter	Wainwright	WHKX1.5/15G-12ST	1	09-May-2014
Y	Signal Conditioning Unit	R&S	SCU-18	10178	13-June-2014
Y	EMC32 Software	R&S	8.30.0	820-OT101248	NA

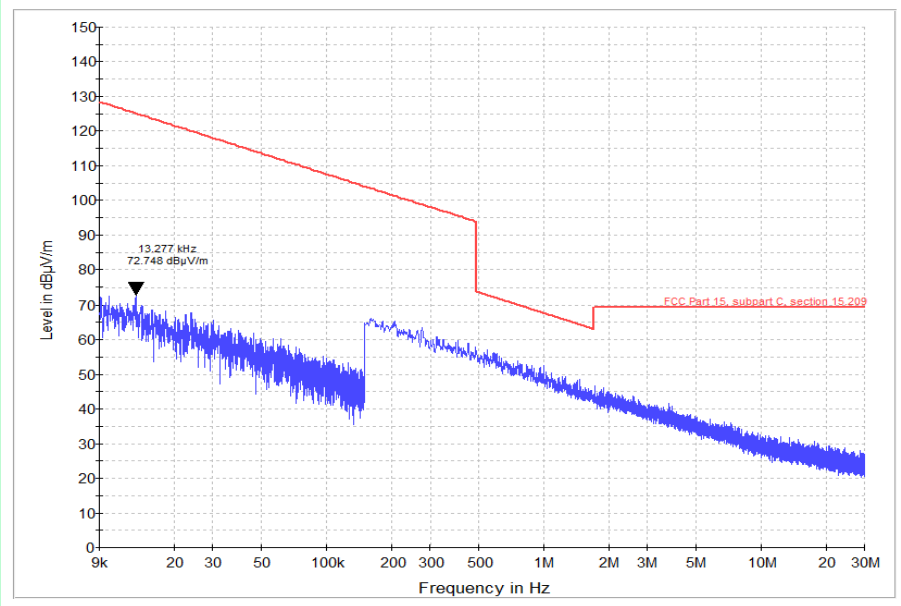
Note: Switch ON /OFF the Internal Preamplifier based on carrier level and or noise floor without overloading the receiver

TEST GRAPHS – 9 KHz to 30 MHz



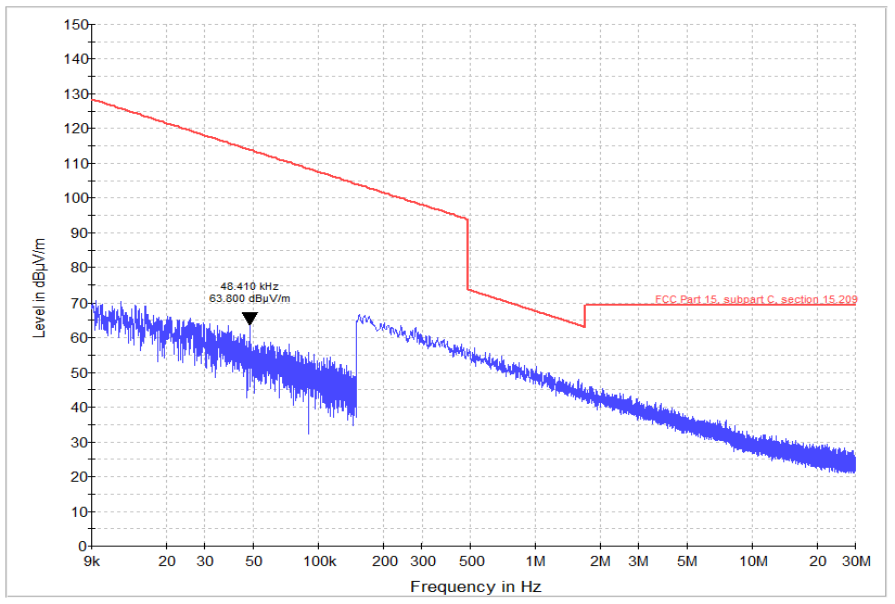
Channel 1 (902.875 MHz)

Note : Peak Graph - Parallel



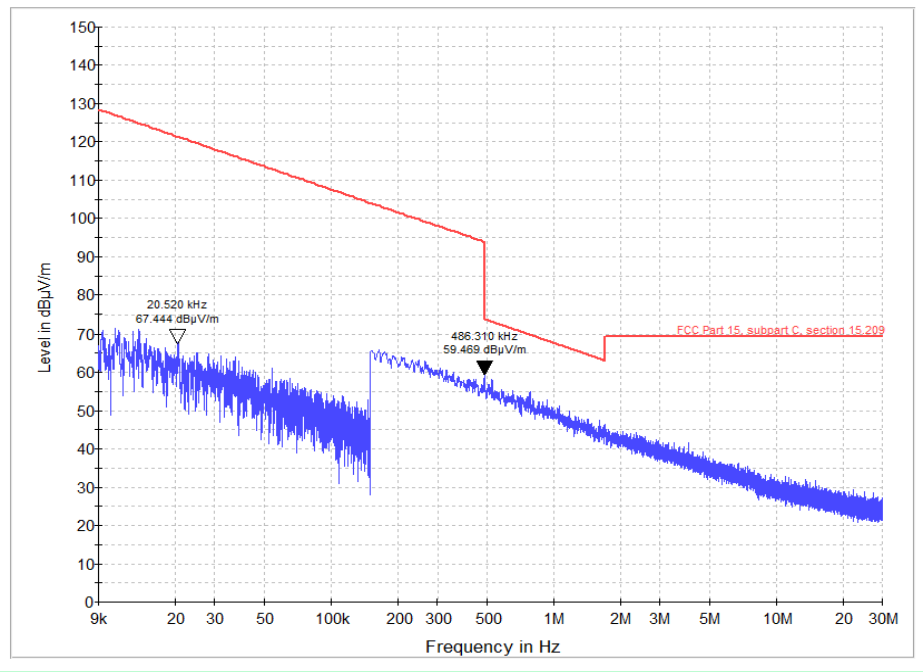
Channel 1 (902.875 MHz)

Note : Peak Graph - Perpendicular



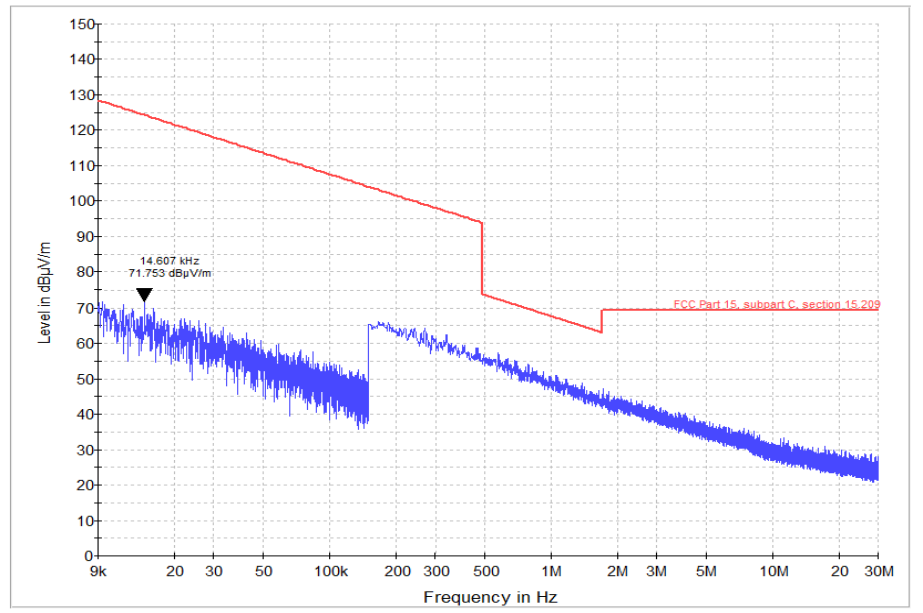
Channel 2 (908.425 MHz)

Note : Peak Graph - Parallel



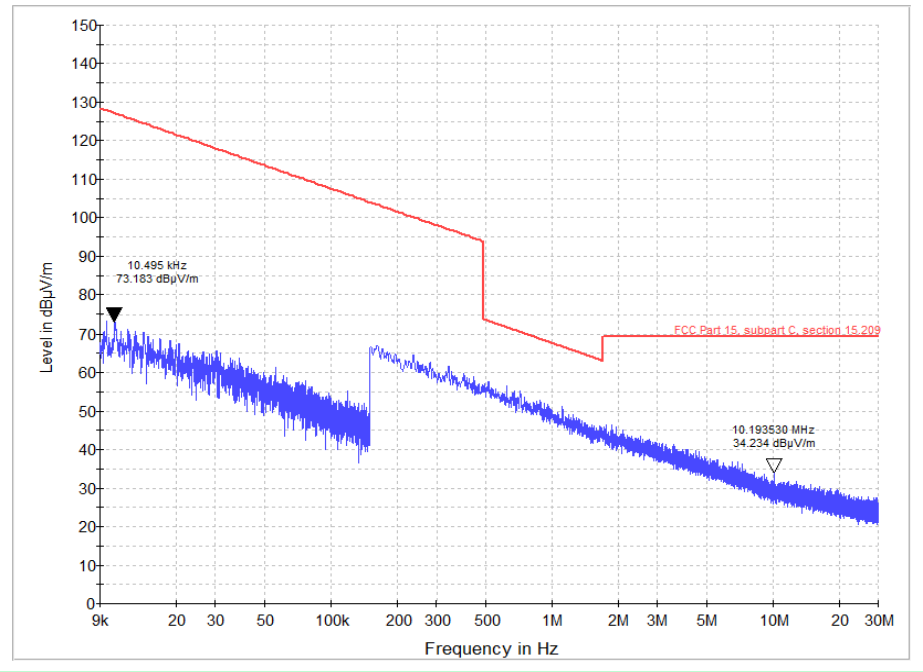
Channel 2 (908.425 MHz)

Note : Peak Graph - Perpendicular



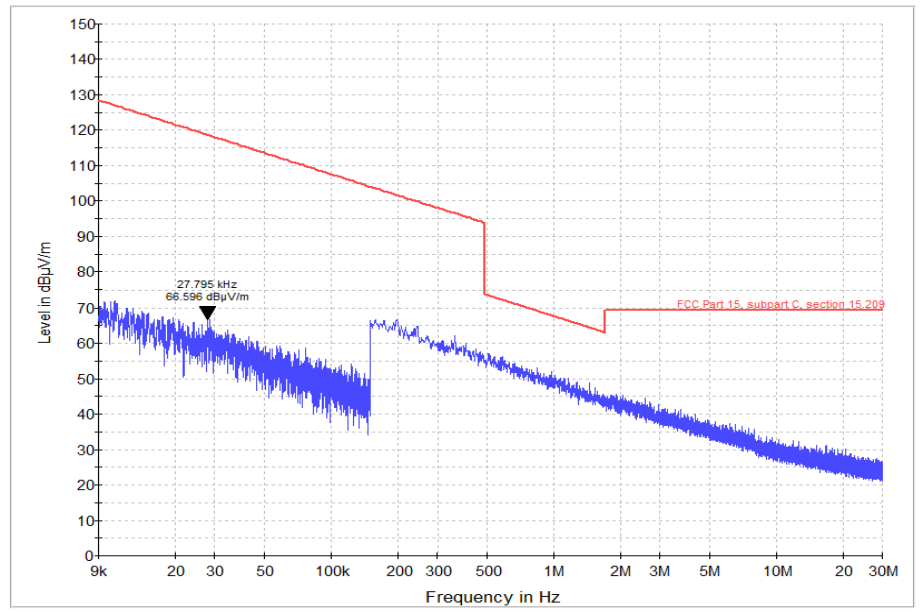
Channel 3 (914.325 MHz)

Note : Peak Graph - Parallel



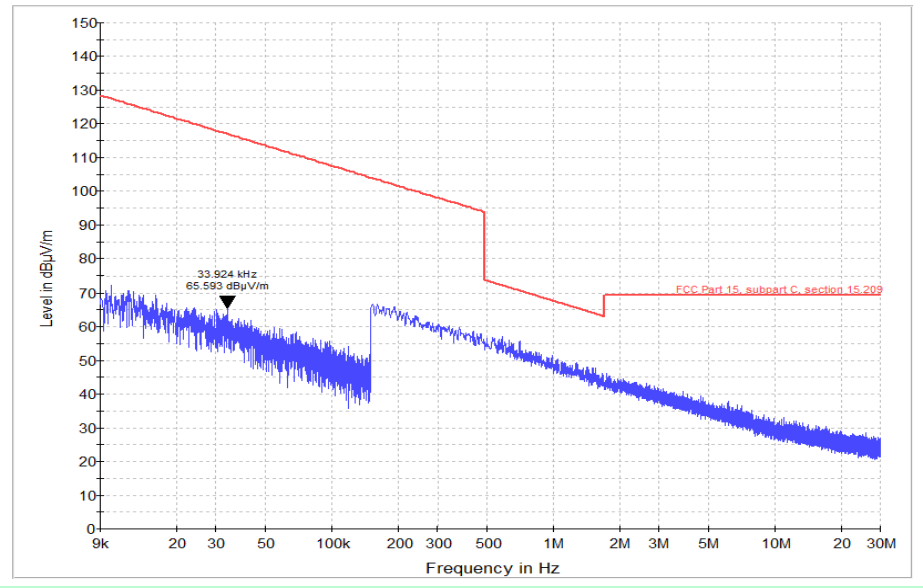
Channel 3 (914.325 MHz)

Note : Peak Graph - Perpendicular



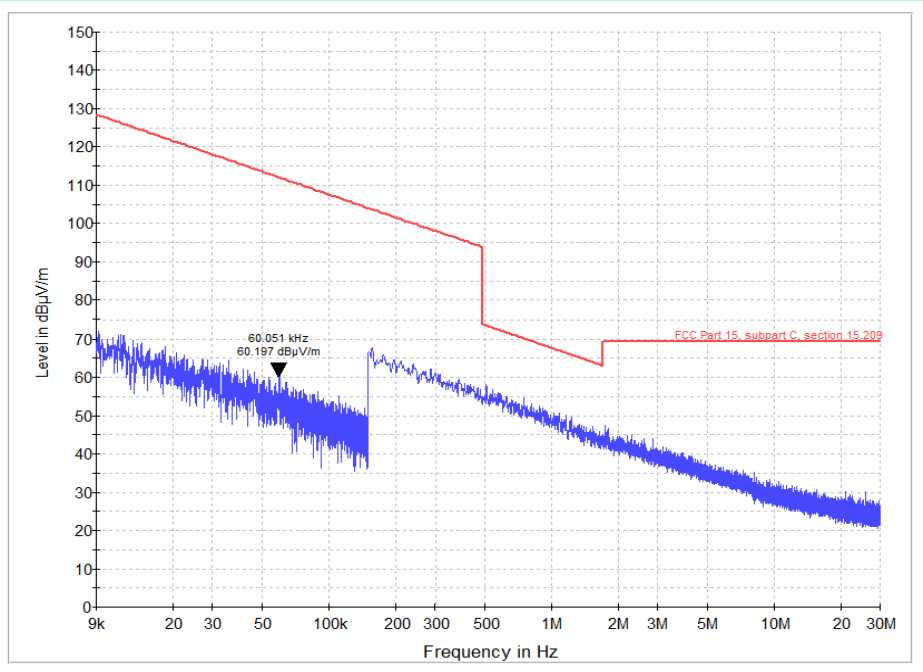
Channel 4 (915.325 MHz)

Note : Peak Graph - Parallel



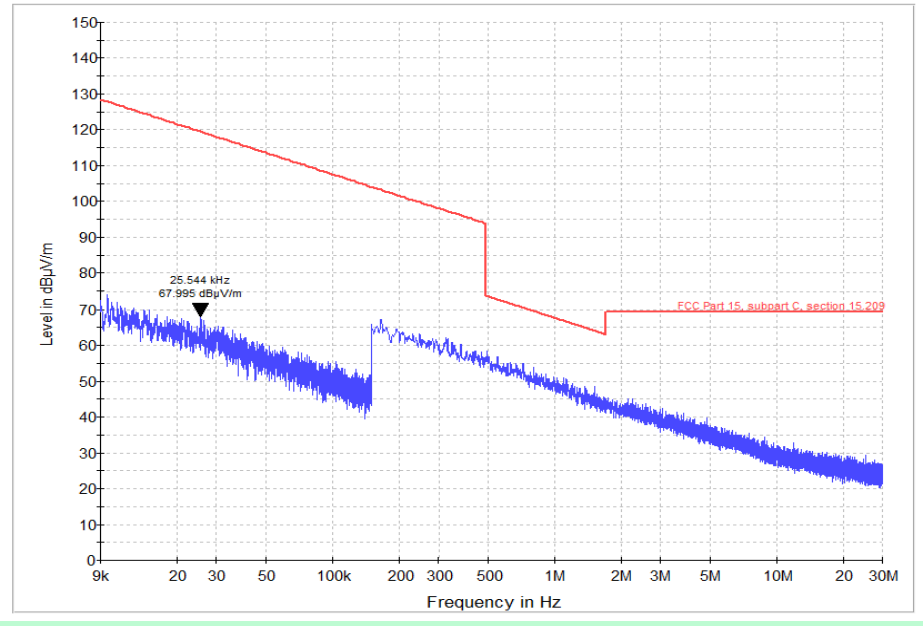
Channel 4 (915.325 MHz)

Note : Peak Graph - Perpendicular



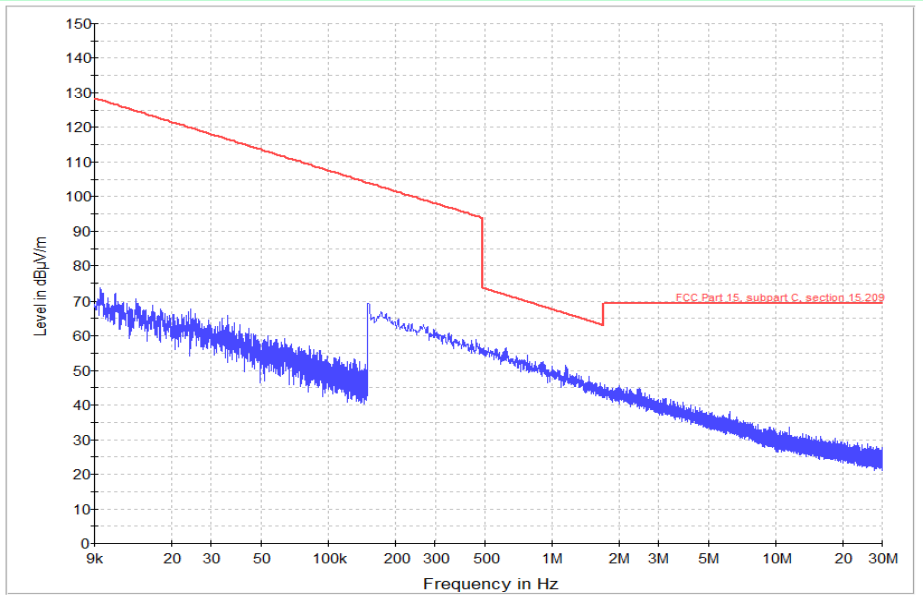
Channel 5 (921.575 MHz)

Note : Peak Graph - Parallel



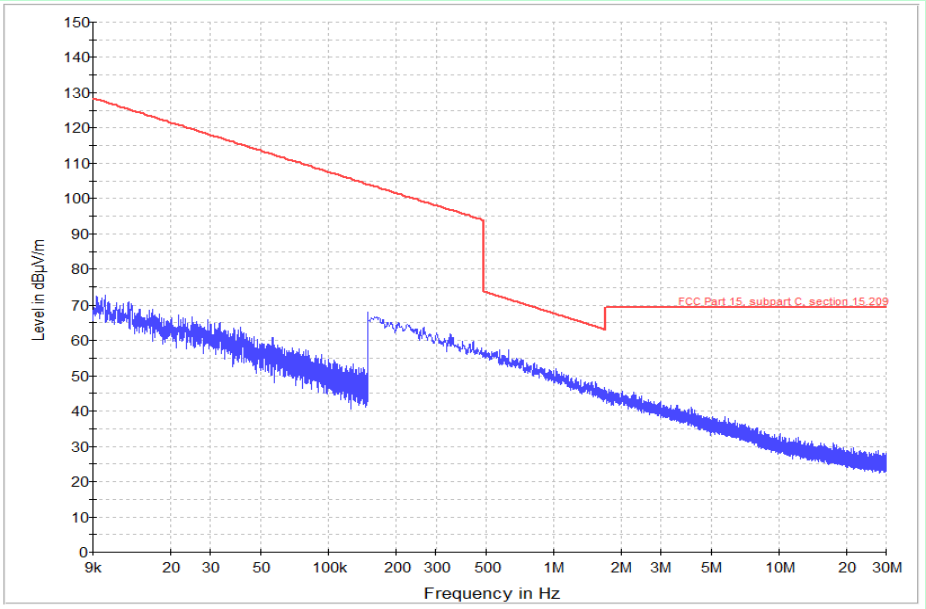
Channel 5 (921.575 MHz)

Note : Peak Graph - Perpendicular



Channel 6 (927.125 MHz)

Note : Peak Graph - Parallel



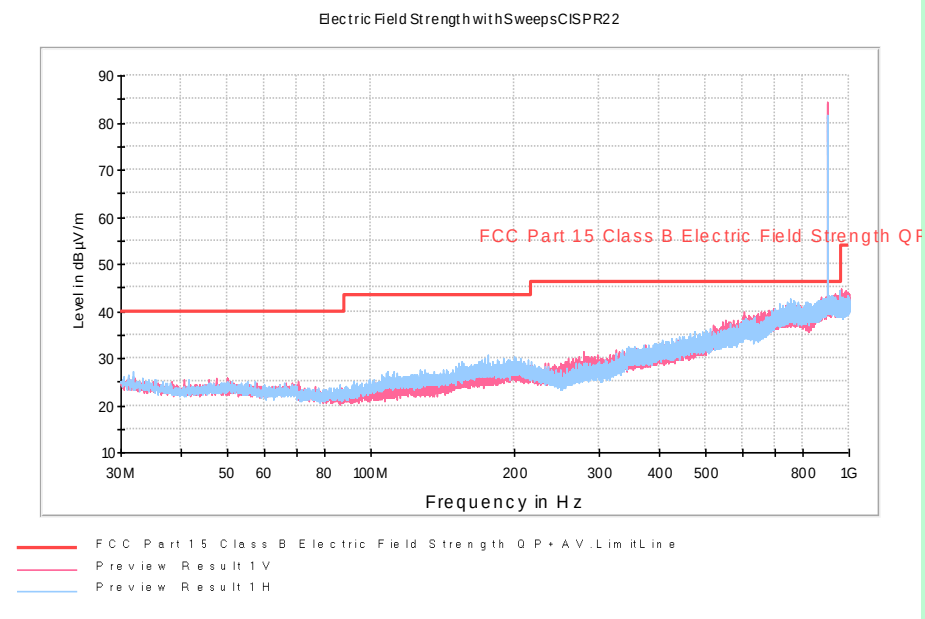
Channel 6 (927.125 MHz)

Note : Peak Graph - Perpendicular

TEST RESULT – 9 KHz to 30 MHz									
Channel	Channel Frequency	Measured Spurious	Quasi Peak	Height	Ant Pol	Azimuth	Margin	Limit @ 3m Distance	Results
#	MHz	MHz	dBµV/m	cm	Parallel / Perpendicular	deg	dB	dBµV/m	
1	902.875	0.0279	66.936	100	Parallel	30	60.064	127	PASS
1	902.875	0.5320	58.093	100	Parallel	50	15.907	74	PASS
1	902.875	0.0132	72.748	100	Perpendicular	30	54.252	127	PASS
2	908.425	0.0484	63.8	100	Parallel	50	50.2	114	PASS
2	908.425	0.0205	67.444	100	Perpendicular	50	54.556	122	PASS
2	908.425	0.0578	57.546	100	Perpendicular	90	55.454	113	PASS
3	914.325	0.0146	71.753	100	Parallel	40	55.247	127	PASS
3	914.325	0.0104	73.183	100	Perpendicular	40	53.817	127	PASS
4	915.325	0.0277	66.596	100	Parallel	60	60.404	127	PASS
4	915.325	0.0339	65.593	100	Perpendicular	60	61.407	127	PASS
5	921.575	0.0600	60.197	100	Parallel	90	52.803	113	PASS
5	921.575	0.0255	67.995	100	Perpendicular	90	59.005	127	PASS

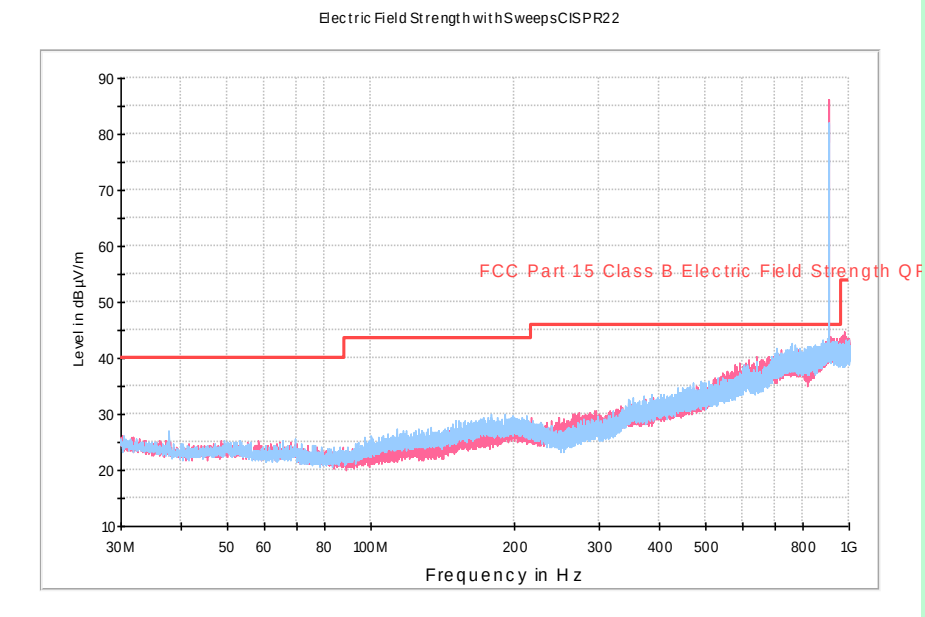
Note : Measured Field Strength –dBuV/m = Receiver Readings (dBuV) + Antenna Factor (dB/m) + Cable loss (dB)

TEST GRAPHS – 30 MHz to 1 GHz



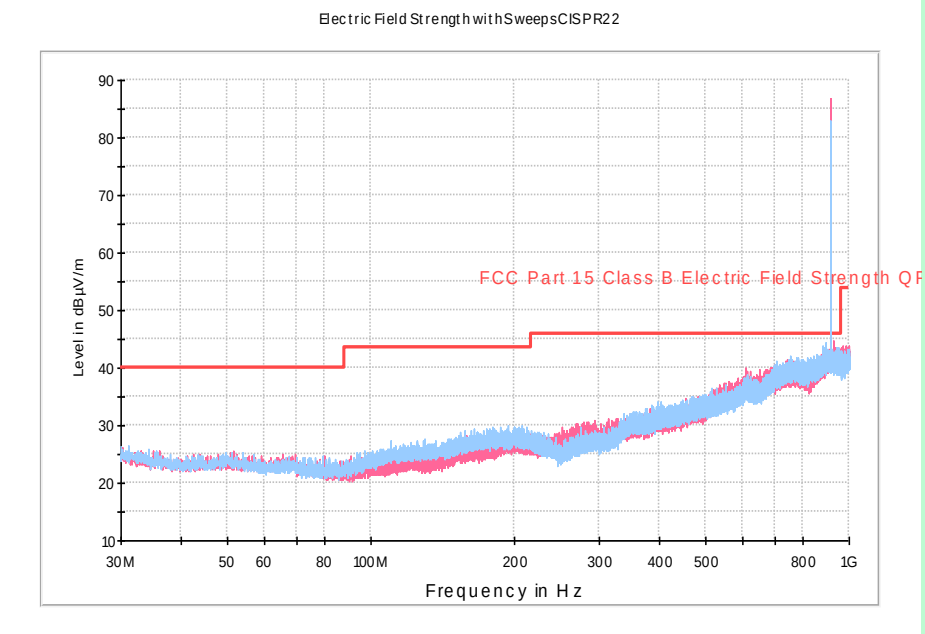
Channel 1 (902.875 MHz)

Note : Peak Graph Vertical (Red), Peak Graph Horizontal (Blue)



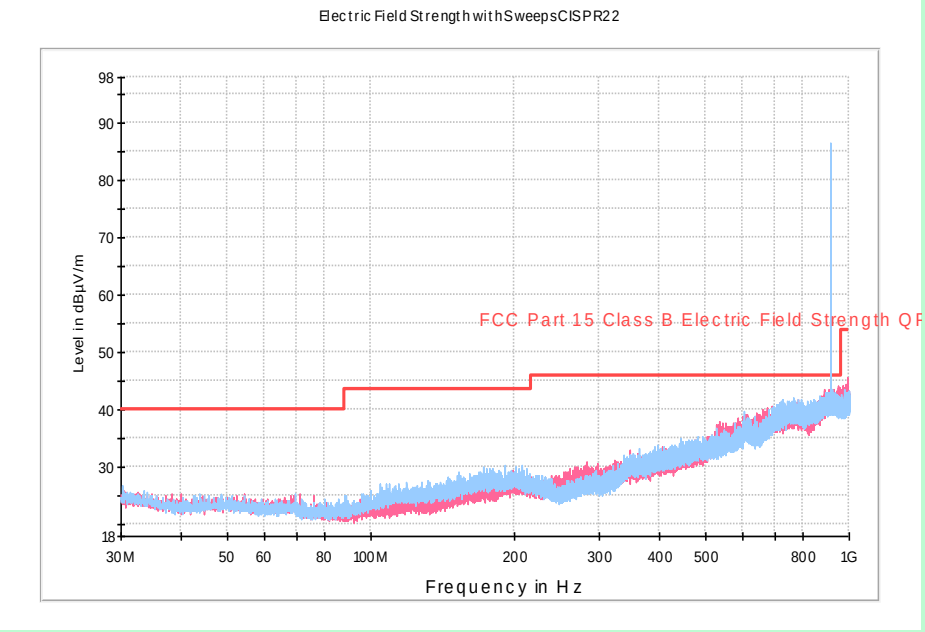
Channel 2 (908.425 MHz)

Note : Peak Graph Vertical (Red), Peak Graph Horizontal (Blue)



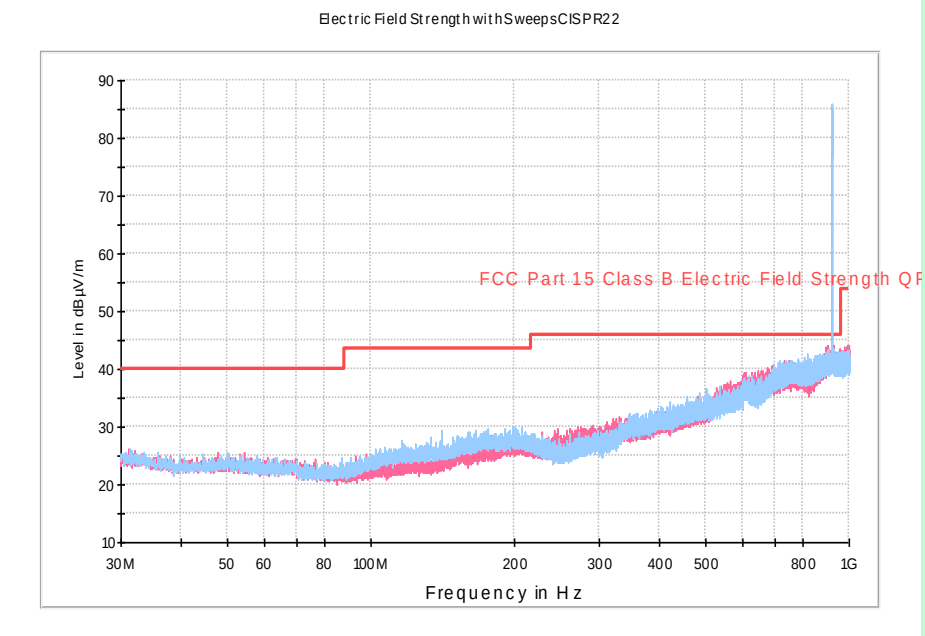
Channel 3 (914.325 MHz)

Note : Peak Graph Vertical (Red), Peak Graph Horizontal (Blue)



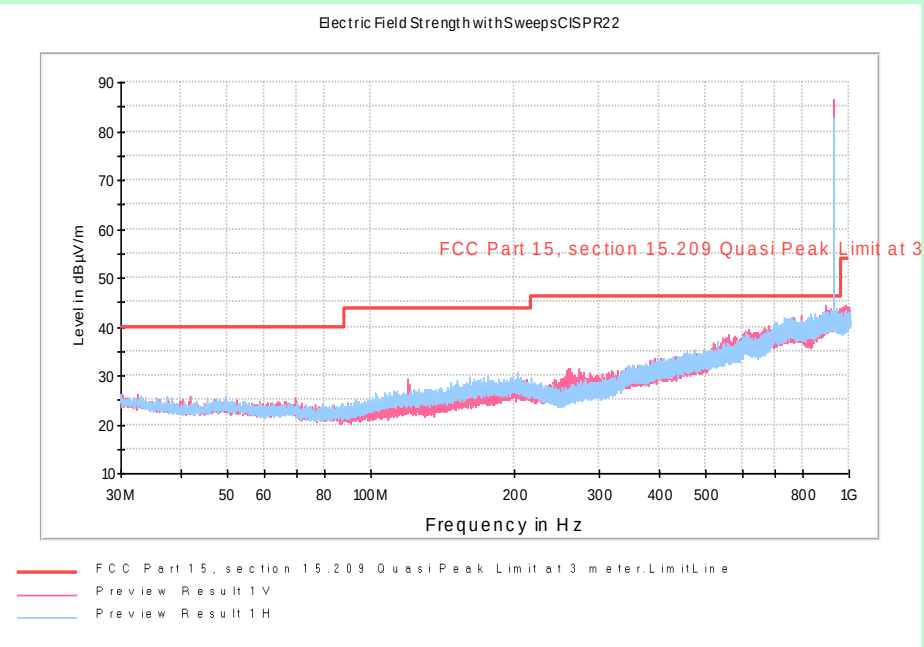
Channel 4 (915.325 MHz)

Note : Peak Graph Vertical (Red), Peak Graph Horizontal (Blue)



Channel 5 (921.575 MHz)

Note : Peak Graph Vertical (Red), Peak Graph Horizontal (Blue)



Channel 6 (927.125 MHz)

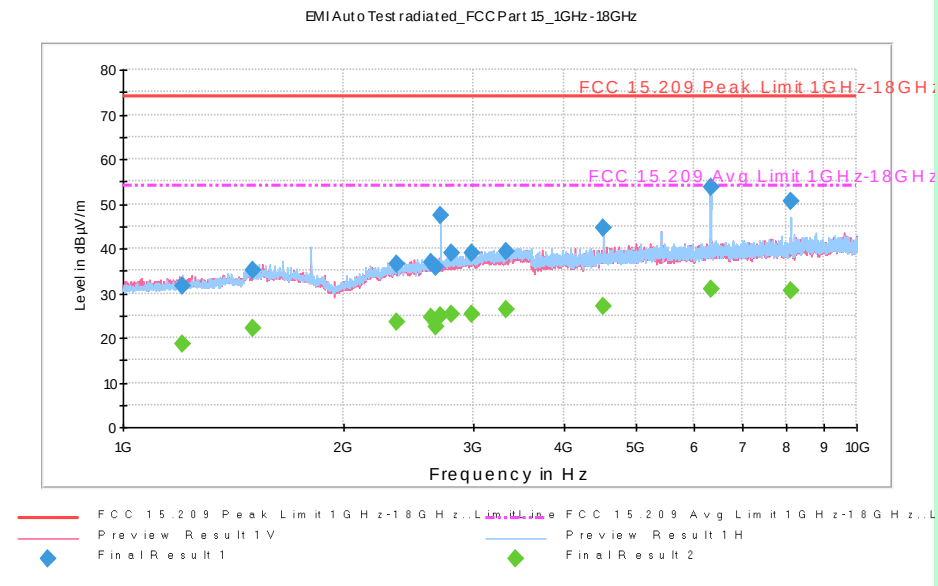
Note : Peak Graph Vertical (Red), Peak Graph Horizontal (Blue)

TEST RESULT – 30 MHz to 1 GHz									
Channel	Channel Frequency	Measured Spurious	Quasi Peak	Height	Ant Pol	Azimuth	Margin	Limit @ 3m Distance	Results
#	MHz	MHz	dBµV/m	cm	H / V	deg	dB	dBµV/m	
1	902.875	30.95	19.7	100.0	H	150.0	20.3	40.0	PASS
1	902.875	49.51	18.4	200.0	V	30.0	21.6	40.0	PASS
1	902.875	70.80	17.7	100.0	V	330.0	22.3	40.0	PASS
1	902.875	87.35	17.6	200.0	H	150.0	22.4	40.0	PASS
1	902.875	170.97	23.1	100.0	H	150.0	20.4	43.5	PASS
1	902.875	176.74	23.2	400.0	H	240.0	20.3	43.5	PASS
1	902.875	344.73	25.7	400.0	H	90.0	20.3	46.0	PASS
1	902.875	476.65	28.6	200.0	H	330.0	17.4	46.0	PASS
1	902.875	701.54	34.6	300.0	H	270.0	11.4	46.0	PASS
1	902.875	902.72	95.1	100.0	V	270.0	-37.1	46.0	Intended Freq
2	908.425	38.39	18.2	300.0	V	270.0	21.8	40.0	PASS
2	908.425	49.91	18.7	200.0	H	60.0	21.3	40.0	PASS
2	908.425	68.67	18.2	300.0	V	0.0	21.8	40.0	PASS
2	908.425	86.72	17.6	300.0	H	90.0	22.4	40.0	PASS
2	908.425	172.04	23.2	100.0	H	240.0	20.3	43.5	PASS
2	908.425	191.01	23.0	100.0	H	330.0	20.5	43.5	PASS
2	908.425	345.81	25.8	300.0	H	180.0	20.2	46.0	PASS
2	908.425	491.73	28.9	300.0	H	150.0	17.1	46.0	PASS
2	908.425	702.89	34.6	300.0	H	60.0	11.4	46.0	PASS
2	908.425	908.26	97.6	100.0	V	240.0	-39.6	46.0	Intended Freq
3	914.325	30.71	19.8	300.0	H	0.0	20.2	40.0	PASS
3	914.325	52.33	18.4	400.0	H	30.0	21.6	40.0	PASS
3	914.325	70.10	17.8	400.0	V	120.0	22.2	40.0	PASS
3	914.325	86.89	17.7	100.0	H	330.0	22.3	40.0	PASS
3	914.325	164.73	22.6	200.0	H	270.0	20.9	43.5	PASS
3	914.325	206.66	23.2	200.0	H	60.0	20.3	43.5	PASS
3	914.325	347.43	26.0	300.0	H	300.0	20.0	46.0	PASS
3	914.325	494.54	28.9	100.0	H	0.0	17.1	46.0	PASS
3	914.325	702.65	34.5	200.0	H	330.0	11.5	46.0	PASS
3	914.325	914.17	98.0	100.0	V	300.0	-39.0	46.0	Intended Freq
4	915.325	30.30	19.5	200.0	V	270.0	20.5	40.0	PASS
4	915.325	54.70	18.1	300.0	H	30.0	21.9	40.0	PASS
4	915.325	71.17	17.7	300.0	V	60.0	22.3	40.0	PASS
4	915.325	86.47	17.5	300.0	H	300.0	22.5	40.0	PASS
4	915.325	172.37	23.1	400.0	H	120.0	20.4	43.5	PASS
4	915.325	190.78	23.0	300.0	H	30.0	20.5	43.5	PASS
4	915.325	349.33	26.1	400.0	H	300.0	19.9	46.0	PASS
4	915.325	493.01	28.8	200.0	H	300.0	17.2	46.0	PASS
4	915.325	703.07	34.5	200.0	H	210.0	11.5	46.0	PASS
4	915.325	915.16	96.6	100.0	H	300.0	-38.6	46.0	Intended Freq
5	921.575	31.32	19.6	300.0	H	30.0	20.4	40.0	PASS
5	921.575	49.80	18.4	200.0	V	210.0	21.6	40.0	PASS
5	921.575	63.34	18.1	400.0	V	150.0	21.9	40.0	PASS
5	921.575	85.92	17.5	400.0	H	150.0	22.5	40.0	PASS
5	921.575	140.56	20.8	400.0	H	120.0	22.7	43.5	PASS
5	921.575	198.11	23.4	400.0	H	210.0	20.1	43.5	PASS
5	921.575	347.31	25.9	300.0	H	30.0	20.1	46.0	PASS
5	921.575	484.23	28.7	100.0	H	300.0	17.3	46.0	PASS
5	921.575	695.62	34.2	300.0	H	0.0	11.8	46.0	PASS
5	921.575	921.41	84.3	100.0	H	300.0	-38.3	46.0	Intended Freq

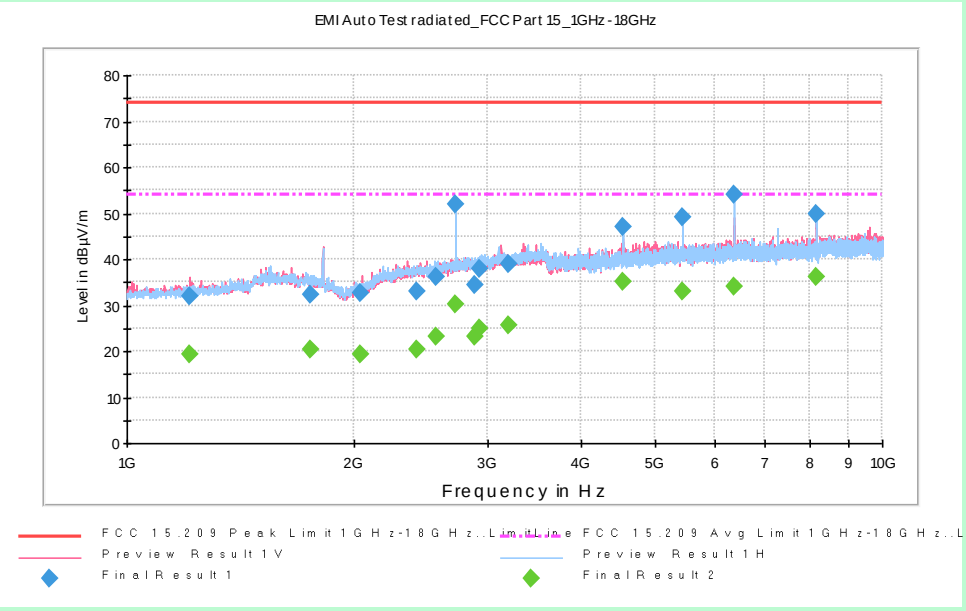
6	927.125	32.60	19.3	300.0	H	240.0	20.7	40.0	PASS
6	927.125	48.93	18.4	400.0	V	300.0	21.6	40.0	PASS
6	927.125	68.58	18.2	300.0	V	210.0	21.8	40.0	PASS
6	927.125	118.80	20.2	200.0	H	0.0	23.3	43.5	PASS
6	927.125	159.73	22.3	100.0	H	300.0	21.2	43.5	PASS
6	927.125	203.87	23.3	200.0	H	150.0	20.2	43.5	PASS
6	927.125	344.64	25.7	400.0	H	30.0	20.3	46.0	PASS
6	927.125	476.24	28.6	400.0	H	330.0	17.4	46.0	PASS
6	927.125	697.68	34.4	100.0	H	240.0	11.6	46.0	PASS
6	927.125	867.51	36.5	100.0	V	330.0	9.5	46.0	PASS
6	927.125	926.96	83.6	100.0	V	240.0	-37.6	46.0	Intended Freq

Note : Measured Field Strength –dBuV/m = Receiver Readings (dBuV) + Antenna Factor (dB/m) + Cable loss (dB)

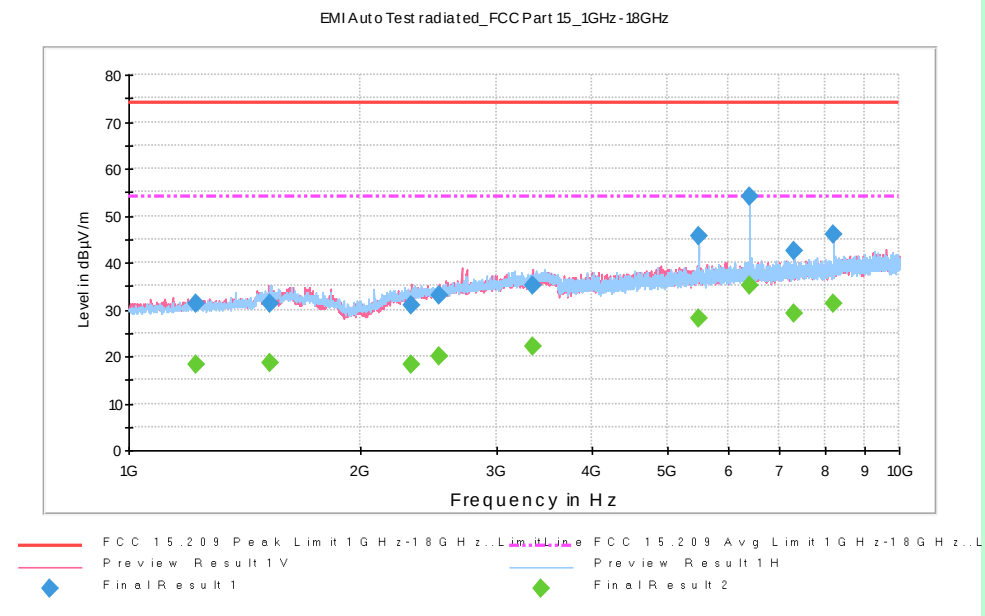
TEST GRAPHS – 1 GHz to 10 GHz



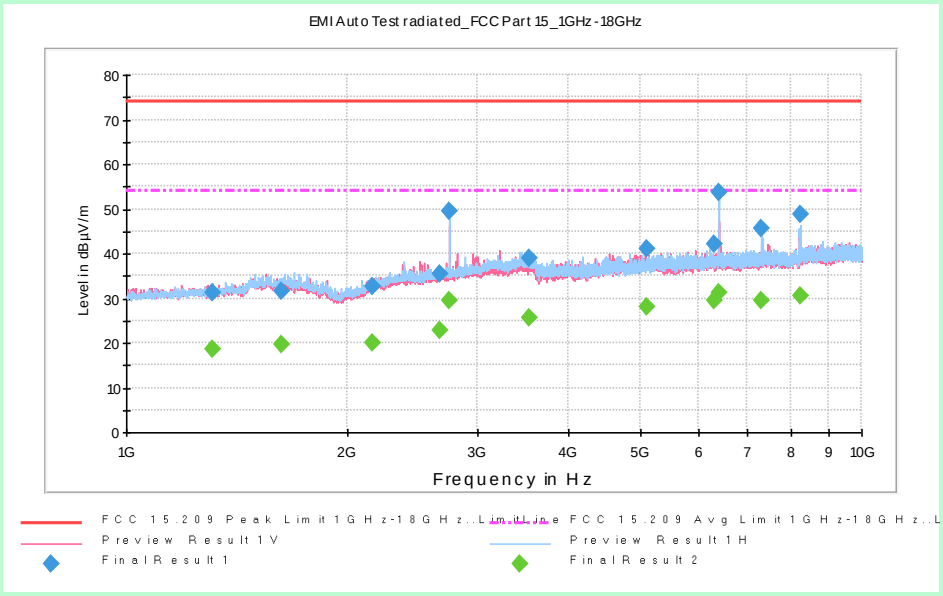
Channel 1 (902.875 MHz)



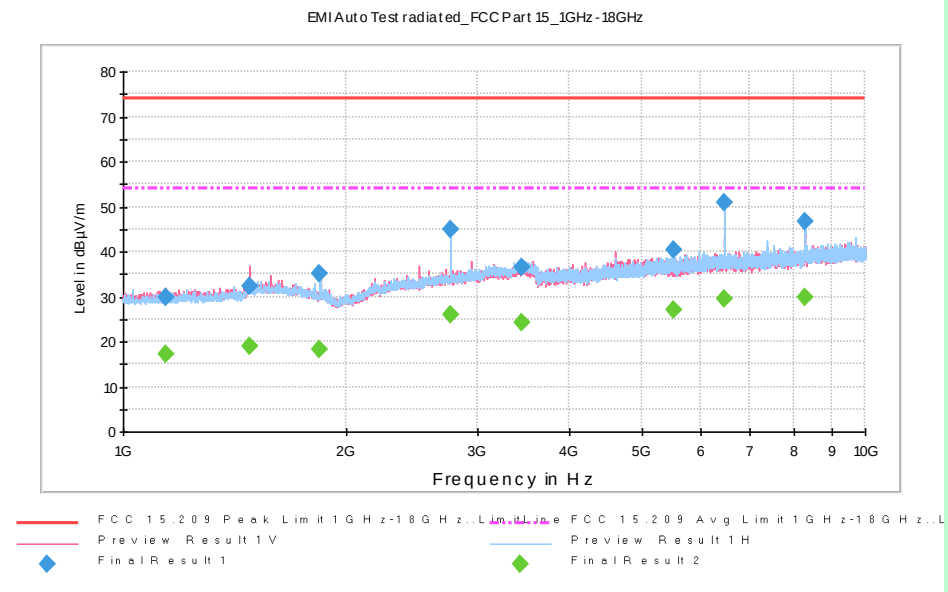
Channel 2 (908.425 MHz)



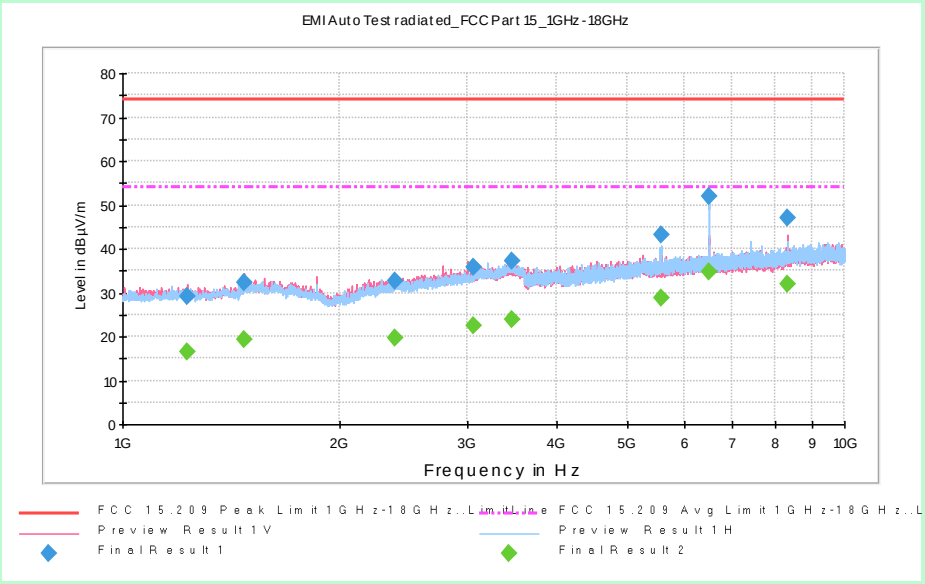
Channel 3 (914.325 MHz)



Channel 4 (915.325 MHz)



Channel 5 (921.575 MHz)



Channel 6 (927.125 MHz)

TEST RESULT – 1 GHz to 10 GHz							RESTRICTED BAND - PEAK
Channel	Frequency	MaxPeak	Height	Ant Pol	Azimuth	Limit	Margin	Results
#	(MHz)	(dBµV/m)	(cm)	H/V	(Deg)	dBµV/m	dB	
1	1207.4	31.5	100	V	44	74	42.5	PASS
1	1500.6	35.1	400	H	22	74	31.9	PASS
1	2357.4	36.5	400	H	22	74	37.5	PASS
1	2707.6	47.5	200	H	132	74	26.5	PASS
1	2800.3	39.1	400	H	22	74	34.9	PASS
1	3332.4	39.5	400	H	0	74	34.5	PASS
1	4513.9	44.6	200	H	88	74	29.4	PASS
1	8123.0	50.6	100	H	242	74	23.4	PASS
1	11858.7	46.9	200	H	198	74	27.1	PASS
1	17956.6	55.4	400	V	330	74	18.6	PASS
2	1212.5	31.8	400	V	22	74	42.2	PASS
2	2724.6	52.0	200	H	0	74	29.9	PASS
2	2892.1	34.5	400	H	66	74	39.5	PASS
2	4540.25	47.0	100	H	66	74	32.0	PASS
2	5448.0	49.0	100	H	66	74	30.1	PASS
2	8173.1	50.0	100	H	44	74	28.3	PASS
2	12505.6	48.0	100	H	330	74	26.0	PASS
2	17988.9	55.1	200	V	352	74	18.9	PASS
3	1222.7	31.2	200	V	264	74	42.8	PASS
3	1521.9	31.4	100	V	44	74	42.6	PASS
3	2326.8	30.7	200	V	66	74	43.3	PASS
3	3348.5	35.0	200	V	110	74	39.0	PASS
3	7311.2	42.3	200	H	66	74	31.7	PASS
3	8230.9	46.1	100	V	0	74	27.9	PASS
3	12552.3	47.2	200	H	44	74	26.8	PASS
3	17979.6	54.4	200	H	352	74	19.6	PASS
4	1310.2	31.3	400	V	110	74	42.7	PASS
4	2745.0	49.3	100	H	0	74	27.2	PASS
4	5100.4	41.2	400	H	22	74	32.8	PASS
4	7319.7	45.5	100	H	330	74	28.5	PASS
4	8240.3	48.7	100	H	66	74	25.3	PASS
4	17999.1	55.1	200	V	0	74	18.9	PASS
5	1142.8	30.0	400	V	66	74	44.0	PASS
5	1478.5	32.4	400	V	66	74	41.6	PASS
5	2763.75	45.0	200	H	0	74	32.2	PASS
5	8293.8	46.8	100	V	22	74	22.0	PASS
5	11809.4	46.6	100	H	176	74	27.4	PASS
5	17977.0	55.9	200	V	352	74	18.1	PASS
6	1227.8	29.2	200	V	44	74	44.8	PASS
6	1474.3	32.2	300	H	154	74	41.8	PASS
6	2379.5	32.6	300	H	286	74	41.4	PASS
6	8346.5	47.1	100	V	44	74	26.9	PASS
6	12359.4	46.8	200	V	88	74	27.2	PASS
6	17959.2	55.0	100	V	0	74	19.0	PASS

Note :
Field Strength –dBuV/m = Receiver Readings (dBuV) + Antenna Factor (dB/m) + Cable loss (dB) + Filter Insertion loss – Ext. Pre amplifier Gain (dB)

TEST RESULT - 1 GHz to 10 GHz						RESTRICTED BAND - AVERAGE		
Channel	Frequency	Average	Height	Ant Pol	Azimuth	Limit	Margin	Results
#	MHz	dBµV/m	cm	H / V	deg	dBµV/m	dB	
1	1207.4	18.6	100	V	44	54	35.4	PASS
1	1500.6	22.1	400	H	22	54	31.9	PASS
1	2357.4	23.7	400	H	22	54	30.3	PASS
1	2707.6	24.8	200	H	132	54	29.2	PASS
1	2800.3	25.2	400	H	22	54	28.8	PASS
1	3332.4	26.4	400	H	0	54	27.6	PASS
1	4513.9	26.9	200	H	88	54	27.1	PASS
1	8123.0	30.5	100	H	242	54	23.5	PASS
1	11858.7	33.8	200	H	198	54	20.2	PASS
1	17956.6	41.7	400	V	330	54	12.3	PASS
2	1212.5	19.4	400	V	22	54	34.6	PASS
2	2724.6	30.1	200	H	0	54	30.2	PASS
2	2892.1	23.0	400	H	66	54	31.0	PASS
2	4540.25	35.0	100	H	66	54	27.4	PASS
2	5448.0	33.0	100	H	66	54	25.9	PASS
2	8173.1	36.0	100	H	44	54	23.9	PASS
2	12505.6	34.4	100	H	330	54	19.6	PASS
2	17988.9	41.9	200	V	352	54	12.1	PASS
3	1222.7	18.3	200	V	264	54	35.7	PASS
3	1521.9	18.4	100	V	44	54	35.6	PASS
3	2326.8	18.2	200	V	66	54	35.8	PASS
3	3348.5	22.2	200	V	110	54	31.8	PASS
3	7311.2	29.2	200	H	66	54	24.8	PASS
3	8230.9	31.2	100	V	0	54	22.8	PASS
3	12552.3	34.1	200	H	44	54	19.9	PASS
3	17979.6	41.2	200	H	352	54	12.8	PASS
4	1310.2	18.7	400	V	110	54	35.3	PASS
4	2745.0	29.3	100	H	0	54	29.2	PASS
4	5100.4	28.1	400	H	22	54	25.9	PASS
4	7319.7	29.6	100	H	330	54	24.4	PASS
4	8240.3	30.6	100	H	66	54	23.4	PASS
4	17999.1	41.8	200	V	0	54	12.2	PASS
5	1142.8	17.1	400	V	66	54	36.9	PASS
5	1478.5	18.9	400	V	66	54	35.1	PASS
5	2763.75	26.0	200	H	0	54	32.5	PASS
5	8293.8	29.7	100	V	22	54	24.3	PASS
5	11809.4	33.7	100	H	176	54	20.3	PASS
5	17977.0	41.8	200	V	352	54	12.2	PASS
6	1227.8	16.5	200	V	44	54	37.5	PASS
6	1474.3	19.2	300	H	154	54	34.8	PASS
6	2379.5	19.5	300	H	286	54	34.5	PASS
6	8346.5	31.9	100	V	44	54	22.1	PASS
6	12359.4	33.9	200	V	88	54	20.1	PASS
6	17959.2	41.5	100	V	0	54	12.5	PASS

Note :
Field Strength –dBuV/m = Receiver Readings (dBuV) + Antenna Factor (dB/m) + Cable loss (dB) + Filter Insertion loss – Ext. Pre amplifier Gain (dB)

TEST RESULT – 1 GHz to 10 GHz							NON-RESTRICTED BAND - PEAK		
Channel	Frequency	Measured Fundamental	Measured Harmonic	Height	Ant Pol	Azimuth	Limit [Fundamental – 20 dBc]	Margin	Result
#	MHz	dBµV/m	dBµV/m	cm	H / V	deg	dBuV/m	dB	
1	2626.9	95.1	36.9	100	V	0	75.1	36.9	PASS
1	2667.7	95.1	35.7	200	H	154	75.1	39.4	PASS
1	2988.1	95.1	38.9	400	H	0	75.1	36.2	PASS
1	6321.8	95.1	53.6	100	H	176	75.1	21.5	PASS
2	1753.1	97.6	32.4	400	H	0	77.6	45.4	PASS
2	2035.3	97.6	32.5	400	H	22	77.6	45.1	PASS
2	2423.7	97.6	33.1	100	H	44	77.6	44.5	PASS
2	2562.3	97.6	36.0	400	V	22	77.6	41.6	PASS
2	2932.9	97.6	37.9	400	H	22	77.6	39.7	PASS
2	3194.7	97.6	38.8	400	H	22	77.6	38.8	PASS
2	6356.7	97.6	54.0	100	H	0	77.6	23.6	PASS
3	2535.1	98.0	33.1	100	H	44	78	44.9	PASS
3	5483.7	98.0	45.7	100	H	66	78	32.3	PASS
3	6397.5	98.0	54.1	100	H	352	78	23.9	PASS
4	1627.3	96.6	31.1	400	V	110	76.6	45.5	PASS
4	2161.1	96.6	32.7	400	H	66	76.6	43.9	PASS
4	2663.4	96.6	35.4	400	H	22	76.6	41.2	PASS
4	3529.6	96.6	39.0	400	H	22	76.6	37.6	PASS
4	6293.8	96.6	42.1	400	H	110	76.6	34.5	PASS
4	6405.1	96.6	53.8	100	H	352	76.6	22.8	PASS
4	13128.6	96.6	47.0	300	H	352	76.6	29.6	PASS
5	1842.3	84.3	35.2	400	H	0	64.3	29.1	PASS
5	3453.9	84.3	36.3	400	H	22	64.3	28	PASS
5	5527.1	84.3	40.5	100	H	44	64.3	23.8	PASS
5	6448.5	84.3	50.9	100	H	0	64.3	13.4	PASS
6	3057.3	83.6	35.7	100	H	110	63.6	27.9	PASS
6	3457.3	83.6	37.1	100	H	176	63.6	26.5	PASS
6	5562.8	83.6	43.3	100	H	88	63.6	20.3	PASS
6	6487.6	83.6	52.1	100	H	0	63.6	11.5	PASS

Note :
Field Strength –dBuV/m = Receiver Readings (dBuV) + Antenna Factor (dB/m) + Cable loss (dB) + Filter Insertion loss - Pre amplifier Gain (dB)

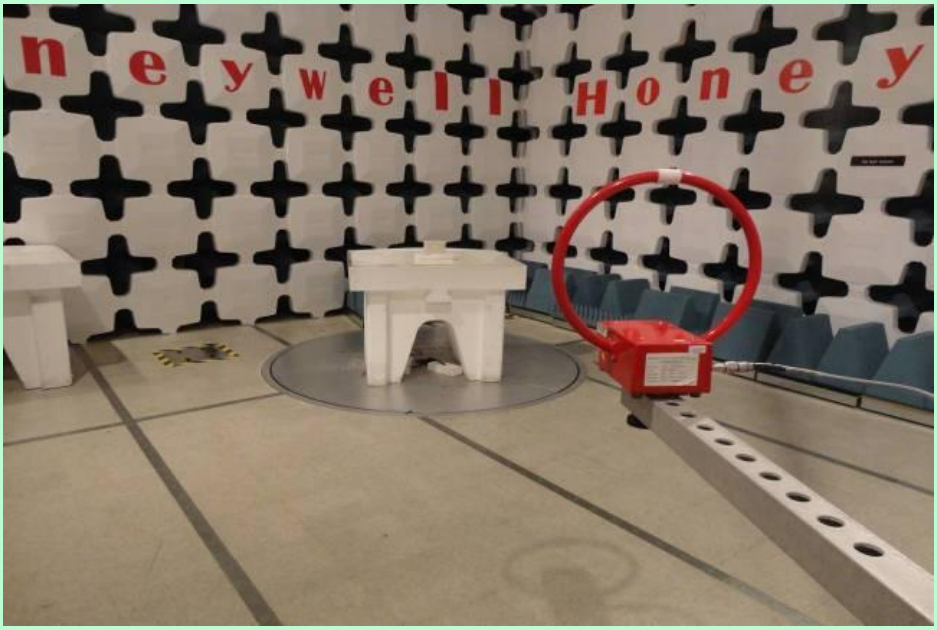
Annexure - 1

CONDUCTED RF TEST SETUP PHOTO

Conducted RF Test Setup

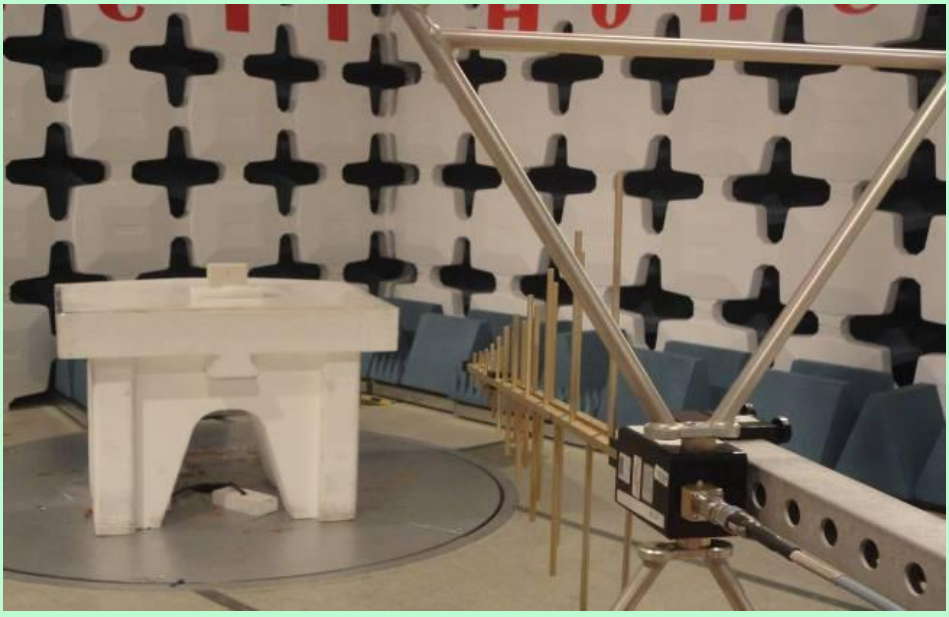
RADIATED EMISSION TEST SETUP

Radiated Emission Setup – 9 KHz to 30 MHz [Parallel]



Radiated Emission Setup – 9 KHz to 30 MHz [Perpendicular]

Radiated Emission Setup – 30 MHz to 1 GHz [Horizontal Polarization]



Radiated Emission Setup – 30 MHz to 1GHz [Vertical Polarization]

Radiated Emission Setup – 1 GHz to 10 GHz [Horizontal Polarization]

Radiated Emission Setup – 1 GHz to 10 GHz [Vertical Polarization]