



Spot Check Evaluation

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REVISION HISTORY

VERSION	DESCRIPTION	ISSUED DATE
Rev.01	Initial issue of report	Feb. 07, 2017



1. Introduction Section

The original model (FCC ID: PY7-84773W) and the variant model (FCC ID: PY7-40069V) has identical PCB layout, antenna, SW implementation for Bluetooth/Wi-Fi/NFC/GPS. Based on their similarity, the FCC Part 15C (equipment class: DTS, DSS, DXX) and Part 15E (equipment class: NII) test data issued test data of PY7-40069V references the test data of PY7-84773W

The applicant takes full responsibility that the test data as referenced in this report represent compliance for this FCC ID (FCC ID: PY7-40069V).



2. Difference Section

The original model (FCC ID: PY7-84773W) and the variant model (FCC ID: PY7-40069V) has identical PCB layout, antenna, SW implementation for Bluetooth/Wi-Fi/NFC/GPS. The details of similarity and difference can be found in the Operating Description.

Cellular transmitter RF components are different in PY7-40069V, to support capability for different cellular bands.

The product specification is outlined in the following table:

FCC ID		PY7-84773W	PY7-40069V
Wireless Tech	Mode	Frequency (MHz)	
GSM	GSM Voice GPRS (GMSK) EDGE (8PSK)	Multi-Slot Class 12 DTM: No	850/1900
UMTS	AMR/RCM12.2Kbps HSDPA/HSUPA/DC-HSDPA		B5/B2
LTE (FDD)	QPSK 16QAM	B5/B2/B7	B5/B7/B41
Wi-Fi	11b/11g/11n(HT20)	2412-2462	
	11a/11n(HT20)/11n(HT40)	5180-5240 5260-5320 5500-5720 5745-5825 *5600-5650 notched	
Bluetooth	V4.2 LE	2402-2480 MHz	
NFC	ASK	13.56 MHz	



3. Spot Check Verification Data Section

Summary of the spot check:

Test Item	Mode	PY7-84773W Worst Result	PY7-40069V Worst Result	Difference (dB)
Average Conducted Power (dBm)	802.11b	16.41	16.49	-0.08
	802.11g	14.81	15.00	-0.19
	11n HT20	13.89	13.94	-0.05
	BT (1Mbps)	6.34	6.3	0.04
	BT (2Mbps)	4.27	4.06	0.21
	BT (3Mbps)	4.18	4.08	0.1
	BT-LE	-0.29	-0.78	0.49
	11a, 5.2GHz	14.87	14.96	-0.09
	11n HT20, 5.2GHz	14.99	14.94	0.05
	11n HT40, 5.2GHz	12.44	12.46	-0.02
	11a, 5.3GHz	14.99	14.99	0
	11n HT20, 5.3GHz	14.90	14.89	0.01
	11n HT40, 5.3GHz	12.38	12.38	0
	11a, 5.5GHz	14.96	14.83	0.13
	11n HT20, 5.5GHz	14.99	14.90	0.09
	11n HT40, 5.5GHz	12.48	12.44	0.04
	11a, 5.8GHz	14.98	14.88	0.1
	11n HT20, 5.8GHz	14.82	14.72	0.1
	11n HT40, 5.8GHz	11.44	11.38	0.06
	S/N of test sample	RQ3002HXPA RQ3002J3KX	RQ3002JC97 RQ3002JBVC	
Test date	2016/10/6~2016/11/28	2016/10/4~2016/11/25		
Peak Radiated Spurious Emission (Band Edge) (dBuV/m)	802.11b	57.13	57.75	-0.62
	802.11g	66.00	63.92	2.08
	BT (3Mbps)	51.99	51.51	0.48
	BT-LE	54.35	56.29	-1.94
	11n HT40, 5.2GHz	60.08	62.06	-1.98
	11n HT40, 5.3GHz	63.27	62.69	0.58
	11n HT20, 5.5GHz	66.53	64.87	1.66
	11a, 5.8GHz	61.36	61.4	-0.04
	S/N of test sample	RQ3002HWLU RQ3002J3KX	RQ3002JB3E RQ3002JBVC	
	Test date	2016/10/6~2016/11/28	2016/10/15~2016/11/28	
Average Radiated Spurious Emission (Band Edge) (dBuV/m)	802.11b	45.39	45.38	0.01
	802.11g	50.26	49.54	0.72
	BT (3Mbps)	27.21	26.71	0.5
	BT-LE	43.64	46.07	-2.43
	11n HT40, 5.2GHz	50.65	50.71	-0.06
	11n HT40, 5.3GHz	51.00	51.13	-0.13
	11n HT20, 5.5GHz	50.69	50.94	-0.25
	S/N of test sample	RQ3002HWLU RQ3002J3KX	RQ3002JB3E RQ3002JBVC	
	Test date	2016/10/6~2016/11/28	2016/10/15~2016/11/28	



Peak Radiated Spurious Emission (Harmonic) (dBuV/m)	802.11b	46.54	46.49	0.05
	802.11g	42.82	45.6	-2.78
	BT (3Mbps)	42.23	42.06	0.17
	BT-LE	44.02	43.92	0.1
	11n HT40, 5.2GHz	46.48	47.82	-1.34
	11n HT40, 5.3GHz	47.06	47.48	-0.42
	11n HT20, 5.5GHz	56.76	54.44	2.32
	11a, 5.8GHz	53.55	51.14	2.41
	S/N of test sample	RQ3002HWLU RQ3002J3KX	RQ3002JB3E RQ3002JBVC	
	Test date	2016/10/6~2016/11/28	2016/10/15~2016/11/28	
Average Radiated Spurious Emission (Harmonic) (dBuV/m)	11n HT20, 5.5GHz	41.35	40.36	0.99
	S/N of test sample	RQ3002HWLU	RQ3002JB3E	
	Test date	2016/10/8	2016/11/25	
NFC (dBuV/m)	RSE (9kHz to 30MHz)	41.11	39.5	1.61
	S/N of test sample	RQ3002HXP8	RQ3002JC97	
	Test date	2016/11/8~2016/11/11	2016/11/8~2016/11/11	

Conclusion:

Radiated spurious emission test against the variant model for non-cellular part based on the worst-case condition from the original model was performed in this filing to demonstrate the test data from original model remains representative for the variant model.

Based on the spot check test result (power levels measured are within 0.5dB, and the worst case of RSE spot check verification based on the worst condition from the original model is within 3dB, and are compliance with the limits), the test data from the original model is representative for the variant model.

The unwanted, harmonics, radiated spurious emission is reported peak measurement only due to spurious lower than 20dB than the limit, 74dBuV/m, without further reporting the average measurement except for the 802.11n-HT20 5.5GHz (CH140).

The detail test results can be found in this document, Appendix A, hereafter.



4. Reference detail Section

Rule Part	Equipment Class	Wireless Technology	Frequency Band (MHz)	Reference FCC ID	Type Grant/Permissive Change	Reference Report Title	Reference Application	Reference Report Sections
15C	DTS	Bluetooth – LE Wii-Fi	2400~2483.5	PY7-84773W	Original Grant	FCC RF Test Report	PY7-40069V	Part 15C (FR692208-01B, FR692208-01C)
	DSS	Bluetooth	2400~2483.5	PY7-84773W	Original Grant	FCC RF Test Report	PY7-40069V	Part 15C (FR692208-01A)
	DXX	NFC	13.56	PY7-84773W	Original Grant	FCC RF Test Report	PY7-40069V	Part 15C (FR692208-01D)
15E	NII	Wi-Fi	5150~5250 5250~5350 5470~5725 5725~5850	PY7-84773W	Original Grant	FCC RF Test Report	PY7-40069V	Part 15E (FR692208-01E, FR692208-01F, FZ692208-01)



Appendix A. Spot Check Test Result

1.1 Conducted power

<2.4GHz WLAN>

2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Data Rate	Tune-Up Limit	FCC ID PY7-84773W Average power (dBm)	FCC ID PY7-40069V Average power (dBm)
	802.11b		CH 1	2412	1Mbps	16.5	16.36
CH 6			2437	16.41			16.46
CH 11			2462	16.27			16.49
802.11g		CH 1	2412	6Mbps	14.0	13.88	13.97
		CH 6	2437		15.0	14.63	14.97
		CH 11	2462		14.81	15.00	
802.11n-HT20		CH 1	2412	MCS0	13.5	13.04	13.92
		CH 6	2437			13.42	13.59
		CH 11	2462		14.0	13.89	13.94

<Bluetooth>

Mode	Channel	Frequency (MHz)	Tune-Up Limit	FCC ID PY7-84773W Average power (dBm)	FCC ID PY7-40069V Average power (dBm)
Bluetooth (1Mbps)	CH 00	2402	6.75	5.74	4.83
	CH 39	2441		6.34	6.30
	CH 78	2480		4.59	5.17
Bluetooth (2Mbps)	CH 00	2402	6.75	3.34	2.38
	CH 39	2441		4.27	4.06
	CH 78	2480		2.19	2.78
Bluetooth (3Mbps)	CH 00	2402	6.75	3.31	2.37
	CH 39	2441		4.18	4.08
	CH 78	2480		2.11	2.83
BLE (GFSK)	CH 00	2402	0.0	-1.98	-2.22
	CH 19	2440		-0.29	-0.78
	CH 39	2480		-1.93	-2.79



<5GHz WLAN>

5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Data Rate	Tune-Up Limit	FCC ID PY7-84773W Average power (dBm)	FCC ID PY7-40069V Average power (dBm)
	802.11a		CH 36	5180	6Mbps	15.0	14.87
CH 44			5220	14.85			14.96
CH 48			5240	14.84			14.91
802.11n-HT20		CH 36	5180	MCS0	15.0	14.99	14.80
		CH 44	5220			14.90	14.94
		CH 48	5240			14.89	14.90
802.11n-HT40		CH 38	5190	MCS0	12.5	12.44	12.40
		CH 46	5230			12.42	12.46
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Data Rate	Tune-Up Limit	FCC ID PY7-84773W Average power (dBm)	FCC ID PY7-40069V Average power (dBm)
	802.11a		CH 52	5260	6Mbps	15.0	14.99
CH 60			5300	14.80			14.83
CH 64			5320	14.76			14.99
802.11n-HT20		CH 52	5260	MCS0	15.0	14.90	14.89
		CH 60	5300			14.84	14.80
		CH 64	5320			14.81	14.77
802.11n-HT40		CH 54	5270	MCS0	12.5	12.38	12.38
		CH 62	5310			12.34	12.36
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Data Rate	Tune-Up Limit	FCC ID PY7-84773W Average power (dBm)	FCC ID PY7-40069V Average power (dBm)
	802.11a		CH 100	5500	6Mbps	15.0	14.95
CH 116			5580	14.96			14.83
CH 140			5700	14.82			14.74
802.11n-HT20		CH 100	5500	MCS0	15.0	14.99	14.76
		CH 116	5580			14.97	14.90
		CH 140	5700			14.83	14.81
802.11n-HT40		CH 102	5510	MCS0	12.5	12.48	12.33
		CH 126	5630			12.43	12.22
		CH 134	5670			12.29	12.44



5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Data Rate	Tune-Up Limit	FCC ID PY7-84773W	FCC ID PY7-40069V
						Average power (dBm)	Average power (dBm)
	802.11a	CH 149	5745	MCS0	15.0	14.98	14.68
		CH 157	5785			14.91	14.78
		CH 165	5825			14.90	14.88
	802.11n-HT20	CH 149	5745	MCS0	15.0	14.82	14.68
		CH 157	5785			14.80	14.72
		CH 165	5825		14.5	14.37	14.49
	802.11n-HT40	CH 151	5755	MCS0	11.5	11.44	11.38
		CH 159	5795			11.41	11.29



1.2 Radiated Spurious Emission

2.4GHz BT/WLAN

Mode	Ch	Freq. (MHz)	Peak /Avg.	FCC ID PY7-84773W						FCC ID PY7-40069V					
				Band edge			Harmonic			Band edge			Harmonic		
				Frequency	Level	Limit	Frequency	Level	Limit	Frequency	Level	Limit	Frequency	Level	Limit
				(MHz)	(dBuV/m)	(dBuV/m)	(MHz)	(dBuV/m)	(dBuV/m)	(MHz)	(dBuV/m)	(dBuV/m)	(MHz)	(dBuV/m)	(dBuV/m)
BT(3Mbps)	CH 39	2441	P	2486.77	51.99	74	7323	42.23	74	2498.53	51.51	74	7323	42.06	74
			A	2486.77	27.21	54	X	X	X	2498.53	26.71	54	X	X	X
BLE	CH 19	2440	P	2352.14	54.35	74	7320	44.02	74	2366.14	56.29	74	7320	43.92	74
			A	2494.47	43.64	54	X	X	X	2495.66	46.07	54	X	X	X
802.11b	CH 1	2412	P	2354.205	57.13	74	4824	46.54	74	2329.74	57.75	74	4824	46.49	74
			A	2390	45.39	54	X	X	X	2389.695	45.38	54	X	X	X
802.11g	CH 1	2412	P	2389.8	66	74	4824	42.82	74	2389.695	63.92	74	4824	45.6	74
			A	2389.905	50.26	54	X	X	X	2390	49.54	54	X	X	X

5.2GHz WLAN

Mode	Ch	Freq. (MHz)	Peak /Avg.	FCC ID PY7-84773W						FCC ID PY7-40069V					
				Band edge			Harmonic			Band edge			Harmonic		
				Frequency	Level	Limit	Frequency	Level	Limit	Frequency	Level	Limit	Frequency	Level	Limit
				(MHz)	(dBuV/m)	(dBuV/m)	(MHz)	(dBuV/m)	(dBuV/m)	(MHz)	(dBuV/m)	(dBuV/m)	(MHz)	(dBuV/m)	(dBuV/m)
802.11n-HT40	CH 38	5190	P	5147.94	60.08	74	10380	46.48	74	5148.46	62.06	74	15570	47.82	74
			A	5150	50.65	54	X	X	X	5149.76	50.71	54	X	X	X



5.3GHz WLAN

Mode	Ch	Freq. (MHz)	Peak /Avg.	FCC ID PY7-84773W						FCC ID PY7-40069V					
				Band edge			Harmonic			Band edge			Harmonic		
				Frequency (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Frequency (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Frequency (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Frequency (MHz)	Level (dBuV/m)	Limit (dBuV/m)
802.11n-HT40	CH 62	5310	P	5352.72	63.27	74	10620	47.06	74	5350.8	62.69	74	15930	47.48	74
			A	5350.08	51	54	X	X	X	5351.28	51.13	54	X	X	X

5.5GHz WLAN

Mode	Ch	Freq. (MHz)	Peak /Avg.	FCC ID PY7-84773W						FCC ID PY7-40069V					
				Band edge			Harmonic			Band edge			Harmonic		
				Frequency (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Frequency (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Frequency (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Frequency (MHz)	Level (dBuV/m)	Limit (dBuV/m)
802.11n-HT20	CH 140	5700	P	5727.64	66.53	74	17100	56.76	74	5725	64.87	74	17100	54.44	74
			A	5725	50.69	54	17100	41.35	54	5725.08	50.94	54	17100	40.36	54

5.8GHz WLAN

Mode	Ch	Freq. (MHz)	Peak /Avg.	FCC ID PY7-84773W						FCC ID PY7-84795R					
				Band edge			Harmonic			Band edge			Harmonic		
				Frequency (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Frequency (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Frequency (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Frequency (MHz)	Level (dBuV/m)	Limit (dBuV/m)
802.11a	CH 157	5785	P	5946.6	61.36	68.2	17355	53.55	68.2	5932	61.4	68.2	17352	51.14	68.2
			-	X	X	X	X	X	X	X	X	X	X	X	X



BLE (Band Edge @ 3m)

BLE	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)
BLE CH 19 2440MHz		2366.14	56.29	-17.71	74	53.41	27	7.37	31.49	100	288	P	H
		2387.56	45.42	-8.58	54	42.4	27.06	7.45	31.49	100	288	A	H
	*	2440	95.8	-	-	92.57	27.22	7.49	31.48	100	288	P	H
	*	2440	94.83	-	-	91.6	27.22	7.49	31.48	100	288	A	H
		2495.17	56.07	-17.93	74	52.61	27.39	7.53	31.46	100	288	P	H
		2495.66	46.07	-7.93	54	42.61	27.39	7.53	31.46	100	288	A	H
		2337.16	55.56	-18.44	74	52.86	26.91	7.3	31.51	377	105	P	V
		2365.86	45.38	-8.62	54	42.5	27	7.37	31.49	377	105	A	V
	*	2440	91	-	-	87.77	27.22	7.49	31.48	377	105	P	V
	*	2440	89.81	-	-	86.58	27.22	7.49	31.48	377	105	A	V
		2483.5	55.94	-18.06	74	52.53	27.35	7.53	31.47	377	105	P	V
		2498.81	45.65	-8.35	54	42.18	27.4	7.53	31.46	377	105	A	V

BLE (Harmonic @ 3m)

BLE	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)
BLE CH 19 2440MHz		4880	38.82	-35.18	74	53.75	32.28	10.89	58.1	100	0	P	H
		7320	43.92	-30.08	74	51.84	37	14.18	59.1	100	0	P	H
		4880	38.25	-35.75	74	53.18	32.28	10.89	58.1	100	0	P	V
		7320	43.79	-30.21	74	51.71	37	14.18	59.1	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

BT(3M) (Band Edge @ 3m)

BT	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)	
BT CH 39 2441MHz		2369.92	51.25	-22.75	74	48.36	27.01	7.37	31.49	100	161	P	H	
		2369.92	26.45	-27.55	54	-	-	-	-	-	-	A	H	
	*	2441	100.43	-	-	97.23	27.18	7.49	31.47	100	161	P	H	
	*	2441	75.63	-	-	-	-	-	-	-	-	A	H	
		2498.53	51.51	-22.49	74	48.14	27.3	7.53	31.46	100	161	P	H	
		2498.53	26.71	-27.29	54	-	-	-	-	-	-	A	H	
		2352.28	50.82	-23.18	74	47.98	26.97	7.37	31.5	391	84	P	V	
		2352.28	26.02	-27.98	54	-	-	-	-	-	-	-	A	V
	*	2441	98.3	-	-	95.1	27.18	7.49	31.47	391	84	P	V	
	*	2441	73.5	-	-	-	-	-	-	-	-	-	A	V
		2492.02	50.55	-23.45	74	47.18	27.3	7.53	31.46	391	84	P	V	
		2492.02	25.75	-28.25	54	-	-	-	-	-	-	-	A	V

BT(3M) (Harmonic @ 3m)

BT	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)	
BT CH 39 2441MHz		4882	39.76	-34.24	74	55.64	31.33	10.89	58.1	100	0	P	H	
		4882	14.96	-39.04	54	-	-	-	-	-	-	A	H	
		7323	42.06	-31.94	74	50.86	36.12	14.18	59.1	100	0	P	H	
		7323	17.26	-36.74	54	-	-	-	-	-	-	A	H	
		4882	38.55	-35.45	74	54.43	31.33	10.89	58.1	100	0	P	V	
		4882	13.75	-40.25	54	-	-	-	-	-	-	-	A	V
		7323	41.66	-32.34	74	50.46	36.12	14.18	59.1	100	0	P	V	
		7323	16.86	-37.14	54	-	-	-	-	-	-	-	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 (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)
802.11b CH 01 2412MHz		2329.74	57.75	-16.25	74	55.07	26.89	7.3	31.51	318	210	P	H
		2389.695	45.38	-8.62	54	42.37	27.05	7.45	31.49	318	210	A	H
	*	2412	101.74	-	-	98.69	27.09	7.45	31.49	318	210	P	H
	*	2412	97.05	-	-	94	27.09	7.45	31.49	318	210	A	H
		2332.26	57.45	-16.55	74	54.77	26.89	7.3	31.51	297	281	P	V
		2390	45.38	-8.62	54	42.37	27.05	7.45	31.49	297	281	A	V
	*	2412	106.05	-	-	103	27.09	7.45	31.49	297	281	P	V
	*	2412	101.37	-	-	98.32	27.09	7.45	31.49	297	281	A	V

WIFI 802.11b (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)
802.11b CH 01 2412MHz		4824	45.89	-28.11	74	62.03	31.26	10.74	58.14	100	0	P	H
		4824	46.49	-27.51	74	62.63	31.26	10.74	58.14	100	0	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	61.82	-12.18	74	58.79	27.07	7.45	31.49	100	133	P	H
		2389.8	49.19	-4.81	54	46.16	27.07	7.45	31.49	100	133	A	H
	*	2412	103.6	-	-	100.5	27.14	7.45	31.49	100	133	P	H
	*	2412	93.87	-	-	90.77	27.14	7.45	31.49	100	133	A	H
		2389.695	63.92	-10.08	74	60.89	27.07	7.45	31.49	365	360	P	V
		2390	49.54	-4.46	54	46.51	27.07	7.45	31.49	365	360	A	V
	*	2412	105.83	-	-	102.73	27.14	7.45	31.49	365	360	P	V
	*	2412	96.5	-	-	93.4	27.14	7.45	31.49	365	360	A	V

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	43.36	-30.64	74	58.58	32.18	10.74	58.14	100	0	P	H
		4824	45.6	-28.4	74	60.82	32.18	10.74	58.14	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT40 (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 HT40 CH 38 5190MHz		5148.46	62.06	-11.94	74	50.15	31.65	11.21	30.95	191	42	P	H
		5149.76	50.71	-3.29	54	38.8	31.65	11.21	30.95	191	42	A	H
	*	5190	101.03	-	-	89.12	31.68	11.18	30.95	191	42	P	H
	*	5190	91.29	-	-	79.38	31.68	11.18	30.95	191	42	A	H
		5418	60.06	-13.94	74	47.49	31.92	11.6	30.95	191	42	P	H
		5405.76	48.95	-5.05	54	36.4	31.9	11.6	30.95	191	42	A	H
		5149.24	60.81	-13.19	74	48.9	31.65	11.21	30.95	198	248	P	V
		5149.5	49.85	-4.15	54	37.94	31.65	11.21	30.95	198	248	A	V
	*	5190	97.55	-	-	85.64	31.68	11.18	30.95	198	248	P	V
	*	5190	88.01	-	-	76.1	31.68	11.18	30.95	198	248	A	V
		5406.72	59.91	-14.09	74	47.36	31.9	11.6	30.95	198	248	P	V
		5436.24	48.93	-5.07	54	36.31	31.93	11.64	30.95	198	248	A	V

Band 1 5150~5250MHz

WIFI 802.11n HT40 (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 HT40 CH 38 5190MHz		10380	46.18	-27.82	74	46.87	39.61	17.13	57.43	100	0	P	H
		15570	47.82	-26.18	74	46.42	38.22	21.64	58.46	100	0	P	H
		10380	46.31	-27.69	74	47	39.61	17.13	57.43	100	0	P	V
		15570	46.3	-27.7	74	44.9	38.22	21.64	58.46	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n HT40 (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 HT40 CH 62 5310MHz		5129.22	59.73	-14.27	74	46.97	32.47	11.24	30.95	396	330	P	H
		5114.14	49.11	-4.89	54	36.34	32.48	11.24	30.95	396	330	A	H
	*	5310	98.54	-	-	85.62	32.44	11.43	30.95	396	330	P	H
	*	5310	88.63	-	-	75.71	32.44	11.43	30.95	396	330	A	H
		5350.8	62.69	-11.31	74	49.69	32.43	11.52	30.95	396	330	P	H
		5351.28	51.13	-2.87	54	38.13	32.43	11.52	30.95	396	330	A	H
		5003.9	59.74	-14.26	74	46.85	32.5	11.34	30.95	100	351	P	V
		5037.44	49.02	-4.98	54	36.17	32.49	11.31	30.95	100	351	A	V
	*	5310	94.91	-	-	81.99	32.44	11.43	30.95	100	351	P	V
	*	5310	84.22	-	-	71.3	32.44	11.43	30.95	100	351	A	V
		5354.4	60.29	-13.71	74	47.29	32.43	11.52	30.95	100	351	P	V
		5355.12	49.52	-4.48	54	36.52	32.43	11.52	30.95	100	351	A	V

WIFI 802.11n HT40 (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 HT40 CH 62 5310MHz		10620	46.82	-27.18	74	46.55	40.05	17.4	57.18	100	0	P	H
		15930	47.48	-26.52	74	45.1	38.21	21.91	57.74	100	0	P	H
		10620	47.13	-26.87	74	46.86	40.05	17.4	57.18	100	0	P	V
		15930	47.26	-26.74	74	44.88	38.21	21.91	57.74	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

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 140 5700MHz	*	5700	107.55	-	-	93.78	32.96	11.82	31.01	249	329	P	H
	*	5700	96.95	-	-	83.18	32.96	11.82	31.01	249	329	A	H
		5725	64.87	-9.13	74	51.02	33.03	11.84	31.02	249	329	P	H
		5725.08	50.89	-3.11	54	37.04	33.03	11.84	31.02	249	329	A	H
	*	5700	104.89	-	-	91.12	32.96	11.82	31.01	238	147	P	V
	*	5700	95.49	-	-	81.72	32.96	11.82	31.01	238	147	A	V
		5726.28	63.22	-10.78	74	49.37	33.03	11.84	31.02	238	147	P	V
		5725.08	50.94	-3.06	54	37.09	33.03	11.84	31.02	238	147	A	V

Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (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 140 5700MHz		11400	47.15	-26.85	74	46.3	40.2	18.31	57.66	100	0	P	H
		17100	54.44	-19.56	74	46.49	41.62	22.99	56.66	301	64	P	H
		17100	40.36	-13.64	54	32.41	41.62	22.99	56.66	301	64	A	H
		11400	46.75	-27.25	74	45.9	40.2	18.31	57.66	100	0	P	V
		17100	50.47	-23.53	74	42.52	41.62	22.99	56.66	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz

WIFI 802.11a (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)
		5639.2	60.35	-7.85	68.2	46.77	32.79	11.79	31	307	321	P	H
		5697	61.15	-41.84	102.99	47.39	32.95	11.82	31.01	307	321	P	H
		5716.4	60.82	-48.97	109.79	46.99	33.01	11.84	31.02	307	321	P	H
		5723.8	59.98	-59.48	119.46	46.13	33.03	11.84	31.02	307	321	P	H
	*	5785	105.77	-	-	91.74	33.2	11.88	31.05	307	321	P	H
	*	5785	95.86	-	-	81.83	33.2	11.88	31.05	307	321	A	H
		5850	62.35	-59.85	122.2	48	33.38	12.03	31.06	307	321	P	H
		5858.4	61.37	-48.48	109.85	47.01	33.4	12.03	31.07	307	321	P	H
		5920.6	61.68	-9.76	71.44	46.88	33.58	12.31	31.09	307	321	P	H
		5940.4	61.38	-6.82	68.2	46.39	33.63	12.45	31.09	307	321	P	H
		5605.8	60.01	-8.19	68.2	46.53	32.7	11.77	30.99	247	145	P	V
		5655.8	60.37	-12.14	72.51	46.75	32.84	11.79	31.01	247	145	P	V
		5701.8	60.11	-45.59	105.7	46.31	32.97	11.84	31.01	247	145	P	V
		5723.6	59.58	-59.43	119.01	45.73	33.03	11.84	31.02	247	145	P	V
	*	5785	102.23	-	-	88.2	33.2	11.88	31.05	247	145	P	V
	*	5785	93.97	-	-	79.94	33.2	11.88	31.05	247	145	A	V
		5850.4	60.35	-60.94	121.29	46	33.38	12.03	31.06	247	145	P	V
		5875	61.19	-44.01	105.2	46.64	33.45	12.17	31.07	247	145	P	V
		5880.4	62.77	-38.42	101.19	48.2	33.47	12.17	31.07	247	145	P	V
		5932	61.4	-6.8	68.2	46.57	33.61	12.31	31.09	247	145	P	V



Band 4 5725~5850MHz

WIFI 802.11a (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)
802.11a CH 157 5785MHz		11570	47.44	-26.56	74	46.69	40.06	18.49	57.8	100	0	P	H
		17352	51.14	-17.06	68.2	43.28	42.17	23.25	57.56	100	0	P	H
		11570	47.47	-26.53	74	46.72	40.06	18.49	57.8	100	0	P	V
		17352	50.17	-18.03	68.2	42.31	42.17	23.25	57.56	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

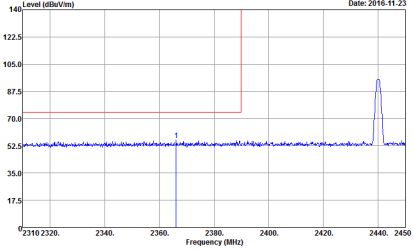
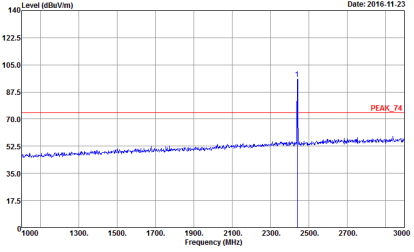
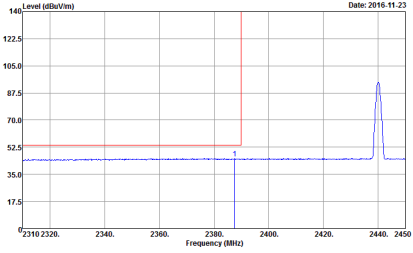
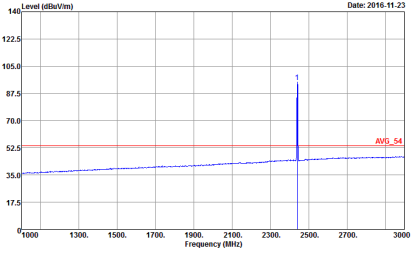


Note symbol

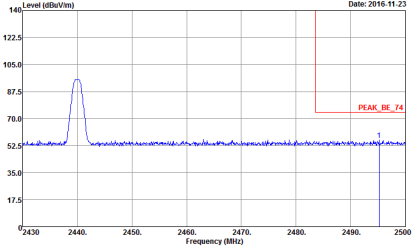
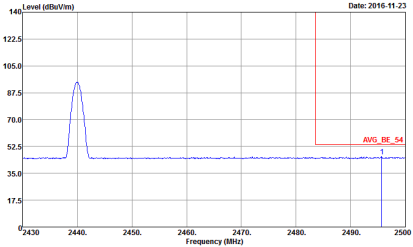
*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is over limit line.
P/A	Peak or Average
H/V	Horizontal or Vertical
-L	Low channel location
-R	High channel location



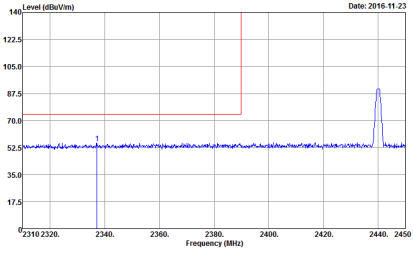
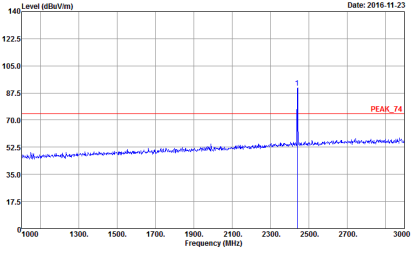
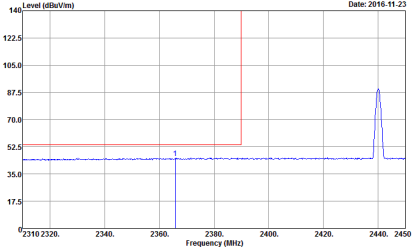
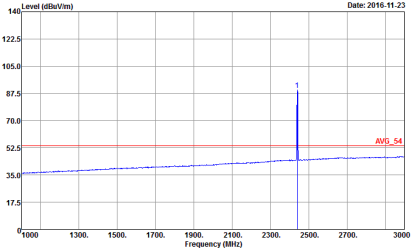
2.4GHz 2400~2483.5MHz
BLE (Band Edge @ 3m)

BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH19 2440MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site Condition : 03CH12-HY : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL</p>	 <p>Site Condition : 03CH12-HY : PEAK_74 3m HORN_9120D_1328 HORIZONTAL</p>
Avg.	 <p>Site Condition : 03CH12-HY : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL</p>	 <p>Site Condition : 03CH12-HY : AVG_54 3m HORN_9120D_1328 HORIZONTAL</p>

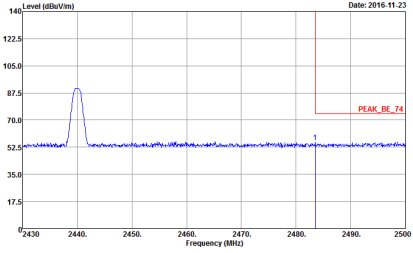
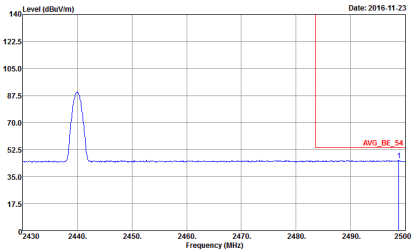


BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH19 2440MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Date: 2016-11-23</p> <p>Site Condition : :03CH12-HY :PEAK_BE_74 3m HORN_9120D_132B HORIZONTAL</p>	Left blank
Avg.	 <p>Date: 2016-11-23</p> <p>Site Condition : :03CH12-HY :AVG_BE_54 3m HORN_9120D_132B HORIZONTAL</p>	Left blank



BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH19 2440MHz - L	
1	Vertical	Fundamental
Peak	 <p>Date: 2016-11-23</p> <p>Site Condition : 03CH12-HY : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL</p>	 <p>Date: 2016-11-23</p> <p>Site Condition : 03CH12-HY : PEAK_74 3m HORN_9120D_1328 VERTICAL</p>
Avg.	 <p>Date: 2016-11-23</p> <p>Site Condition : 03CH12-HY : AVG_BE_54 3m HORN_9120D_1328 VERTICAL</p>	 <p>Date: 2016-11-23</p> <p>Site Condition : 03CH12-HY : AVG_54 3m HORN_9120D_1328 VERTICAL</p>



BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH19 2440MHz - R	
1	Vertical	Fundamental
<p>Peak</p>	 <p>Date: 2016-11-23</p> <p>Site Condition : 03CH12-HY : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Date: 2016-11-23</p> <p>Site Condition : 03CH12-HY : AVG_BE_54 3m HORN_9120D_1328 VERTICAL</p>	<p>Left blank</p>



2.4GHz 2400~2483.5MHz
BLE (Harmonic @ 3m)

BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BLE CH19 2440MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Horizontal spectrum plot showing Level (dBuV/m) vs Frequency (MHz). The plot displays two distinct peaks labeled '1' and '2' at approximately 4.5 MHz and 7.5 MHz respectively. Two horizontal red lines indicate limits: 'PEAK_74' at approximately 75 dBuV/m and 'AVG_54' at approximately 55 dBuV/m. The x-axis ranges from 0 to 25000 MHz, and the y-axis ranges from 0 to 140 dBuV/m. Date: 2016-11-23. Site Condition: :03CH12-HY :PEAK_74 3m HORN_9120D_1328 HORIZONTAL.</p>	<p>Vertical spectrum plot showing Level (dBuV/m) vs Frequency (MHz). The plot displays two distinct peaks labeled '1' and '2' at approximately 4.5 MHz and 7.5 MHz respectively. Two horizontal red lines indicate limits: 'PEAK_74' at approximately 75 dBuV/m and 'AVG_54' at approximately 55 dBuV/m. The x-axis ranges from 0 to 25000 MHz, and the y-axis ranges from 0 to 140 dBuV/m. Date: 2016-11-23. Site Condition: :03CH12-HY :PEAK_74 3m HORN_9120D_1328 VERTICAL.</p>



2.4GHz 2400~2483.5MHz
BT(3M) (Band Edge @ 3m)

BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH39 2441MHz	
1	Horizontal	Fundamental
Peak	<p>Date: 2016-10-18</p> <p>Site Condition : 03CH12-HY : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL</p>	<p>Date: 2016-10-18</p> <p>Site Condition : 03CH12-HY : PEAK_74 3m HORN_9120D_1328 HORIZONTAL</p>
Peak	<p>Date: 2016-10-18</p> <p>Site Condition : 03CH12-HY : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL</p>	Left blank



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH39 2441MHz	
1	Vertical	Fundamental
Peak	<p>Site Condition : 03CH12-HY : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL</p>	<p>Site Condition : 03CH12-HY : PEAK_74 3m HORN_9120D_1328 VERTICAL</p>
Peak	<p>Site Condition : 03CH12-HY : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL</p>	Left blank



2.4GHz 2400~2483.5MHz
BT(3M) (Harmonic @ 3m)

BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH39 2441MHz	
1	Horizontal	Vertical
<p>Peak Avg.</p>	<p>Site Condition : 03CH12-HY : PEAK_74 3m HORN_9120D_1328 HORIZONTAL</p>	<p>Site Condition : 03CH12-HY : PEAK_74 3m HORN_9120D_1328 VERTICAL</p>



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	<p>Level (dBuV/m) vs Frequency (MHz) plot for Peak Horizontal. The y-axis ranges from 0 to 140 dBuV/m, and the x-axis ranges from 2310 to 2415 MHz. A red horizontal line is at approximately 70 dBuV/m. A blue peak is visible at 2412 MHz. Date: 2016-10-18. Site Condition: :03CH12-HY :PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL.</p>	<p>Level (dBuV/m) vs Frequency (MHz) plot for Peak Fundamental. The y-axis ranges from 0 to 140 dBuV/m, and the x-axis ranges from 1000 to 3000 MHz. A red horizontal line is at approximately 70 dBuV/m. A blue peak is visible at 2412 MHz. Date: 2016-10-18. Site Condition: :03CH12-HY :PEAK_74 3m HORN_9120D_1328 HORIZONTAL.</p>
Avg.	<p>Level (dBuV/m) vs Frequency (MHz) plot for Avg Horizontal. The y-axis ranges from 0 to 140 dBuV/m, and the x-axis ranges from 2310 to 2415 MHz. A red horizontal line is at approximately 52.5 dBuV/m. A blue curve shows the average level. Date: 2016-10-18. Site Condition: :03CH12-HY :AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL.</p>	<p>Level (dBuV/m) vs Frequency (MHz) plot for Avg Fundamental. The y-axis ranges from 0 to 140 dBuV/m, and the x-axis ranges from 1000 to 3000 MHz. A red horizontal line is at approximately 52.5 dBuV/m. A blue curve shows the average level with a peak at 2412 MHz. Date: 2016-10-18. Site Condition: :03CH12-HY :AVG_54 3m HORN_9120D_1328 HORIZONTAL.</p>



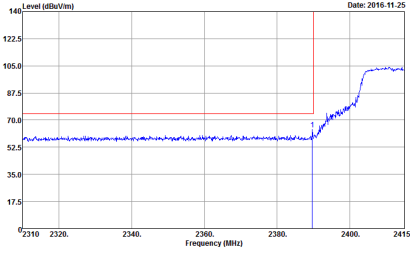
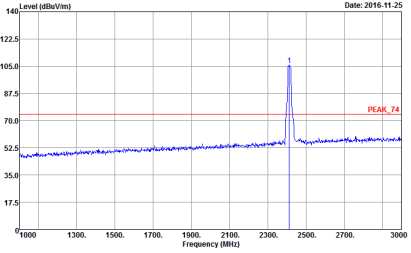
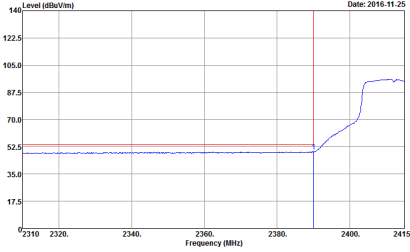
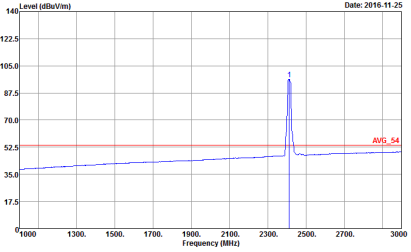
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
1	Vertical	Fundamental
Peak	<p>Date: 2016-10-18</p> <p>Site Condition : 03CH12-HY : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL</p>	<p>Date: 2016-10-18</p> <p>Site Condition : 03CH12-HY : PEAK_74 3m HORN_9120D_1328 VERTICAL</p>
Avg.	<p>Date: 2016-10-18</p> <p>Site Condition : 03CH12-HY : AVG_BE_54 3m HORN_9120D_1328 VERTICAL</p>	<p>Date: 2016-10-18</p> <p>Site Condition : 03CH12-HY : AVG_54 3m HORN_9120D_1328 VERTICAL</p>



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	<p>Site Condition : 03CH12-HY : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL</p>	<p>Site Condition : 03CH12-HY : PEAK_74 3m HORN_9120D_1328 HORIZONTAL</p>
Avg.	<p>Site Condition : 03CH12-HY : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL</p>	<p>Site Condition : 03CH12-HY : AVG_54 3m HORN_9120D_1328 HORIZONTAL</p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
1	Vertical	Fundamental
Peak	 <p>Date: 2016-11-25</p> <p>Site Condition : 03CH12-HY : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL</p>	 <p>Date: 2016-11-25</p> <p>Site Condition : 03CH12-HY : PEAK_74 3m HORN_9120D_1328 VERTICAL</p>
Avg.	 <p>Date: 2016-11-25</p> <p>Site Condition : 03CH12-HY : AVG_BE_54 3m HORN_9120D_1328 VERTICAL</p>	 <p>Date: 2016-11-25</p> <p>Site Condition : 03CH12-HY : AVG_54 3m HORN_9120D_1328 VERTICAL</p>



**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
<p>Peak Avg.</p>		

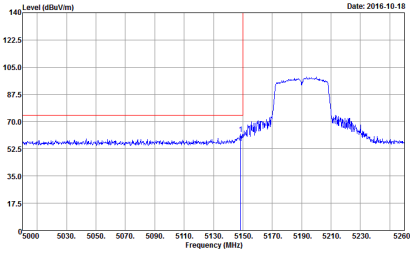
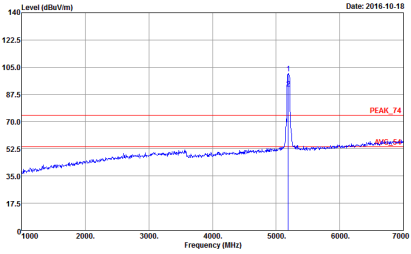
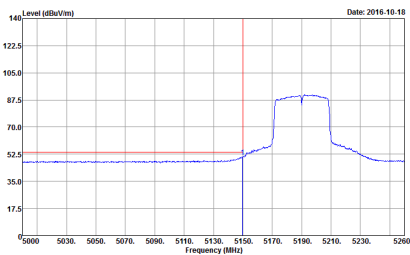


2.4GHz 2400~2483.5MHz
WIFI 802.11g (Harmonic @ 3m)

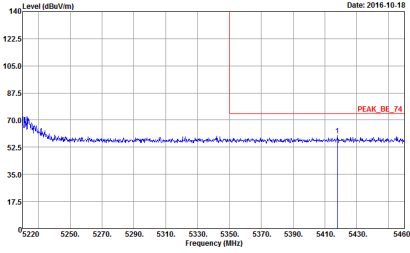
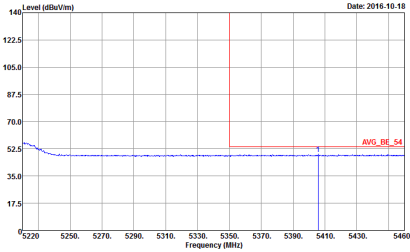
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH01 2412MHz	
1	Horizontal	Vertical
Peak Avg.		



Band 1 - 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 5190 MHz. Date: 2016-10-18. Site Condition: :03CH12-HY : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL.</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 5190 MHz. Date: 2016-10-18. Site Condition: :03CH12-HY : PEAK_74 3m HORN_9120D_1328 HORIZONTAL.</p>
Avg.	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing the average signal. Date: 2016-10-18. Site Condition: :03CH12-HY : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL.</p>	Left blank

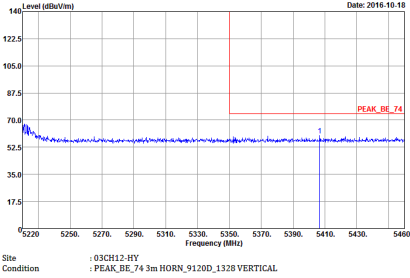
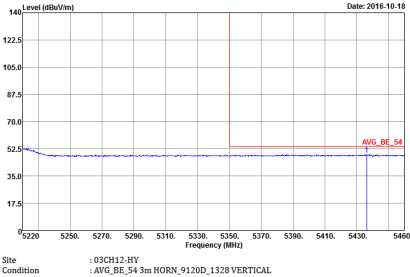


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Date: 2016-10-18</p> <p>Site Condition : :03CH12-HY : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL</p>	Left blank
Avg.	 <p>Date: 2016-10-18</p> <p>Site Condition : :03CH12-HY : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Vertical	Fundamental
Peak	<p>Date: 2016-10-18</p> <p>Site Condition : 03CH12-HY : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL</p>	<p>Date: 2016-10-18</p> <p>Site Condition : 03CH12-HY : PEAK_74 3m HORN_9120D_1328 VERTICAL</p>
Avg.	<p>Date: 2016-10-18</p> <p>Site Condition : 03CH12-HY : AVG_BE_54 3m HORN_9120D_1328 VERTICAL</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

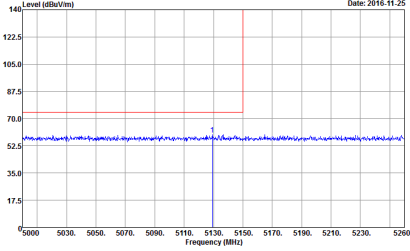
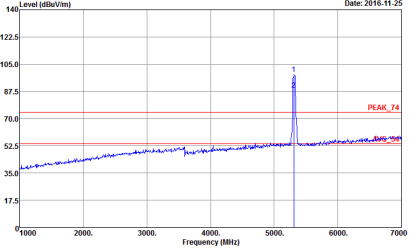
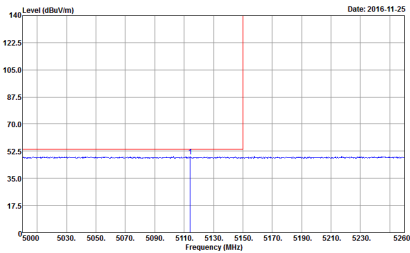


**Band 1 - 5150~5250MHz
WIFI 802.11n HT40 (Harmonic @ 3m)**

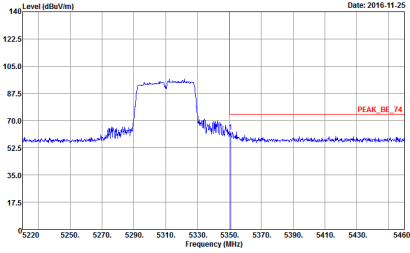
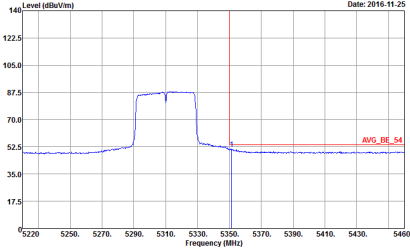
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site Condition : 03CH12-HY : PEAK_74 3m HORN_9120D_1328 HORIZONTAL</p>	<p>Site Condition : 03CH12-HY : PEAK_74 3m HORN_9120D_1328 VERTICAL</p>



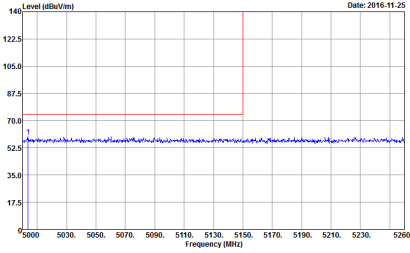
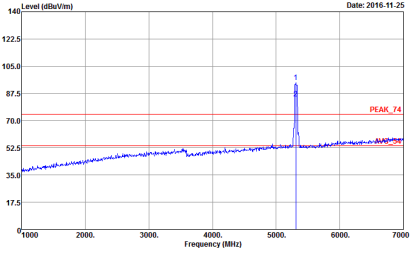
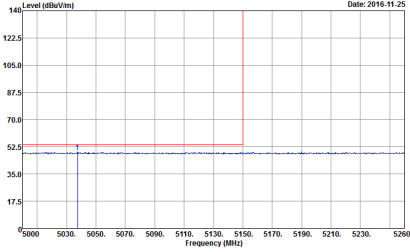
Band 2 - 5250~5350MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Horizontal	Fundamental
<p align="center">Peak</p>	 <p>Site Condition : :03CH12-HY : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL</p>	 <p>Site Condition : :03CH12-HY : PEAK_74 3m HORN_9120D_1328 HORIZONTAL</p>
<p align="center">Avg.</p>	 <p>Site Condition : :03CH12-HY : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL</p>	<p align="center">Left blank</p>



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Horizontal	Fundamental
Peak	 <p>Date: 2016-11-25</p> <p>Site Condition : 03CH12-HY : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL</p>	Left blank
Avg.	 <p>Date: 2016-11-25</p> <p>Site Condition : 03CH12-HY : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL</p>	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Vertical	Fundamental
Peak	 <p>Date: 2016-11-25</p> <p>Site Condition : 03CH12-HY : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL</p>	 <p>Date: 2016-11-25</p> <p>Site Condition : 03CH12-HY : PEAK_74 3m HORN_9120D_1328 VERTICAL</p>
Avg.	 <p>Date: 2016-11-25</p> <p>Site Condition : 03CH12-HY : AVG_BE_54 3m HORN_9120D_1328 VERTICAL</p>	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank



Band 2 - 5250~5350MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

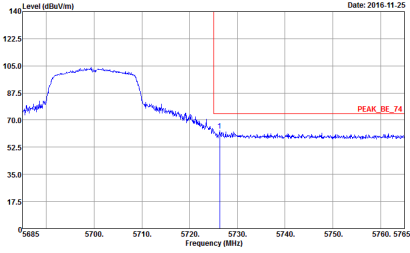
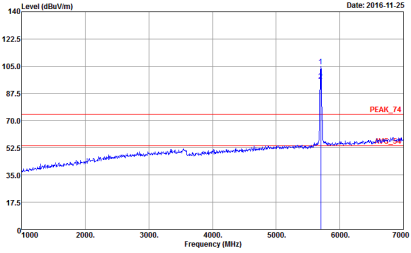
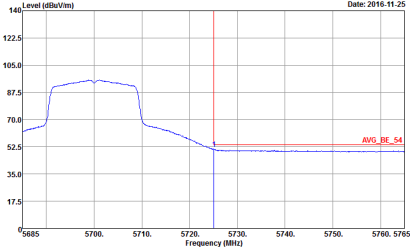
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310	
1	Horizontal	Vertical
<p>Peak Avg.</p>	<p>Site Condition :03CH12-HY :PEAK_74 3m HORN_9120D_1328 HORIZONTAL</p>	<p>Site Condition :03CH12-HY :PEAK_74 3m HORN_9120D_1328 VERTICAL</p>



Band 3 - 5470~5725MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Fundamental
Peak	<p>Date: 2016-11-25</p> <p>Site Condition : 03CH12-HY : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL</p>	<p>Date: 2016-11-25</p> <p>Site Condition : 03CH12-HY : PEAK_74 3m HORN_9120D_1328 HORIZONTAL</p>
Avg.	<p>Date: 2016-11-25</p> <p>Site Condition : 03CH12-HY : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Vertical	Fundamental
Peak.	 <p>Date: 2016-11-25</p> <p>Site Condition : 03CH12-HY : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL</p>	 <p>Date: 2016-11-25</p> <p>Site Condition : 03CH12-HY : PEAK_74 3m HORN_9120D_1328 VERTICAL</p>
Avg.	 <p>Date: 2016-11-25</p> <p>Site Condition : 03CH12-HY : AVG_BE_54 3m HORN_9120D_1328 VERTICAL</p>	Left blank



**Band 3 - 5470~5725MHz
WIFI 802.11n HT20 (Harmonic @ 3m)**

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Vertical
<p>Peak Avg.</p>	<p>Site Condition : 03CH12-HY : PEAK_74 3m HORN_9120D_1328 HORIZONTAL</p>	<p>Site Condition : 03CH12-HY : PEAK_74 3m HORN_9120D_1328 VERTICAL</p>



Band 4 - 5725~5850MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1	Horizontal	Fundamental
<p>Peak</p>	<p>Site Condition : 03CH12-HY : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 HORIZONTAL</p>	<p>Site Condition : 03CH12-HY : PEAK(UNI) 3m HORN_9120D_1328 HORIZONTAL</p>
<p>Peak</p>	<p>Site Condition : 03CH12-HY : PEAK_BE(B4)_16-24 3m HORN_9120D_1328 HORIZONTAL</p>	<p align="center">Left blank</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1	Vertical	Fundamental
Peak		
Peak		Left blank

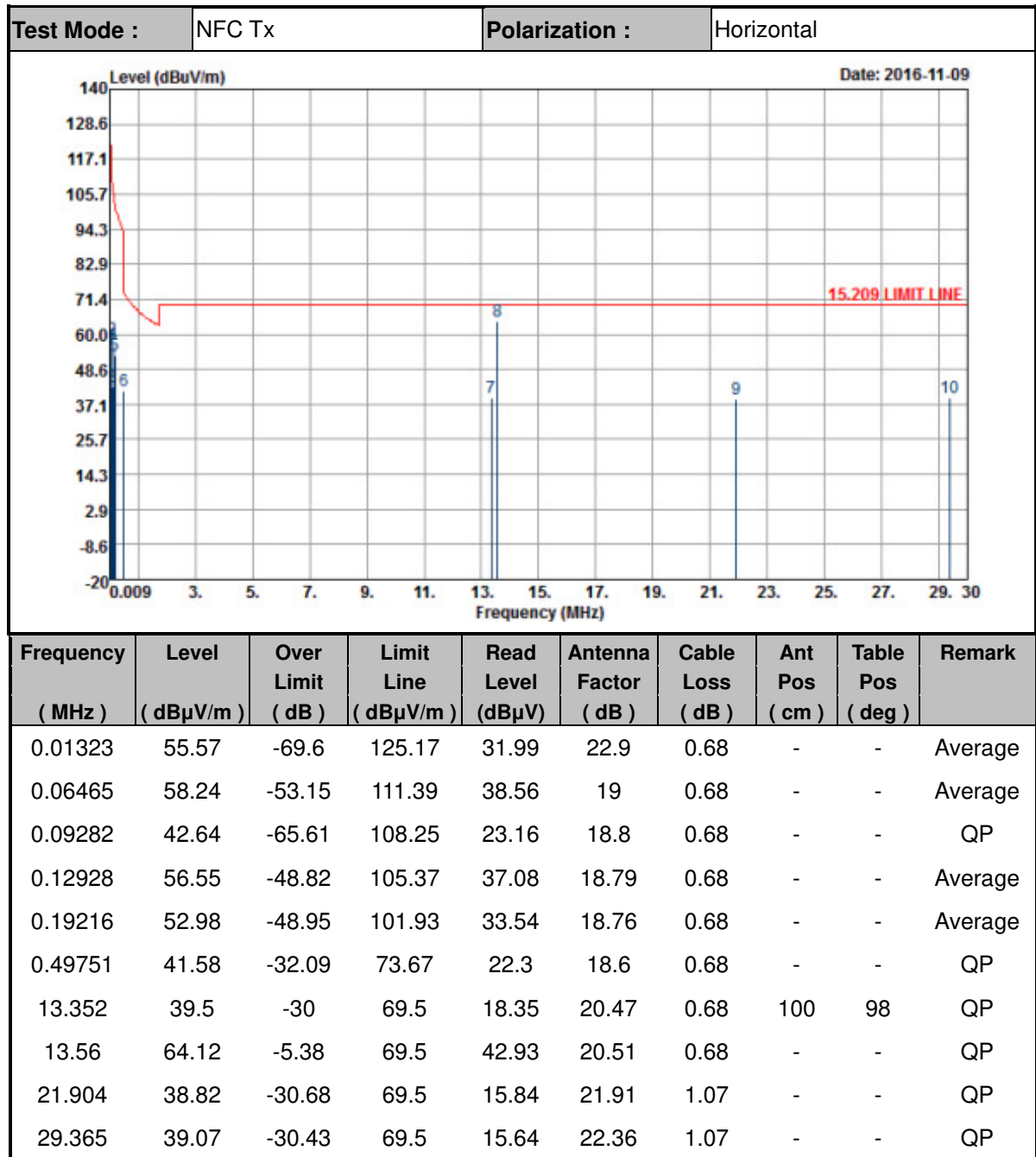


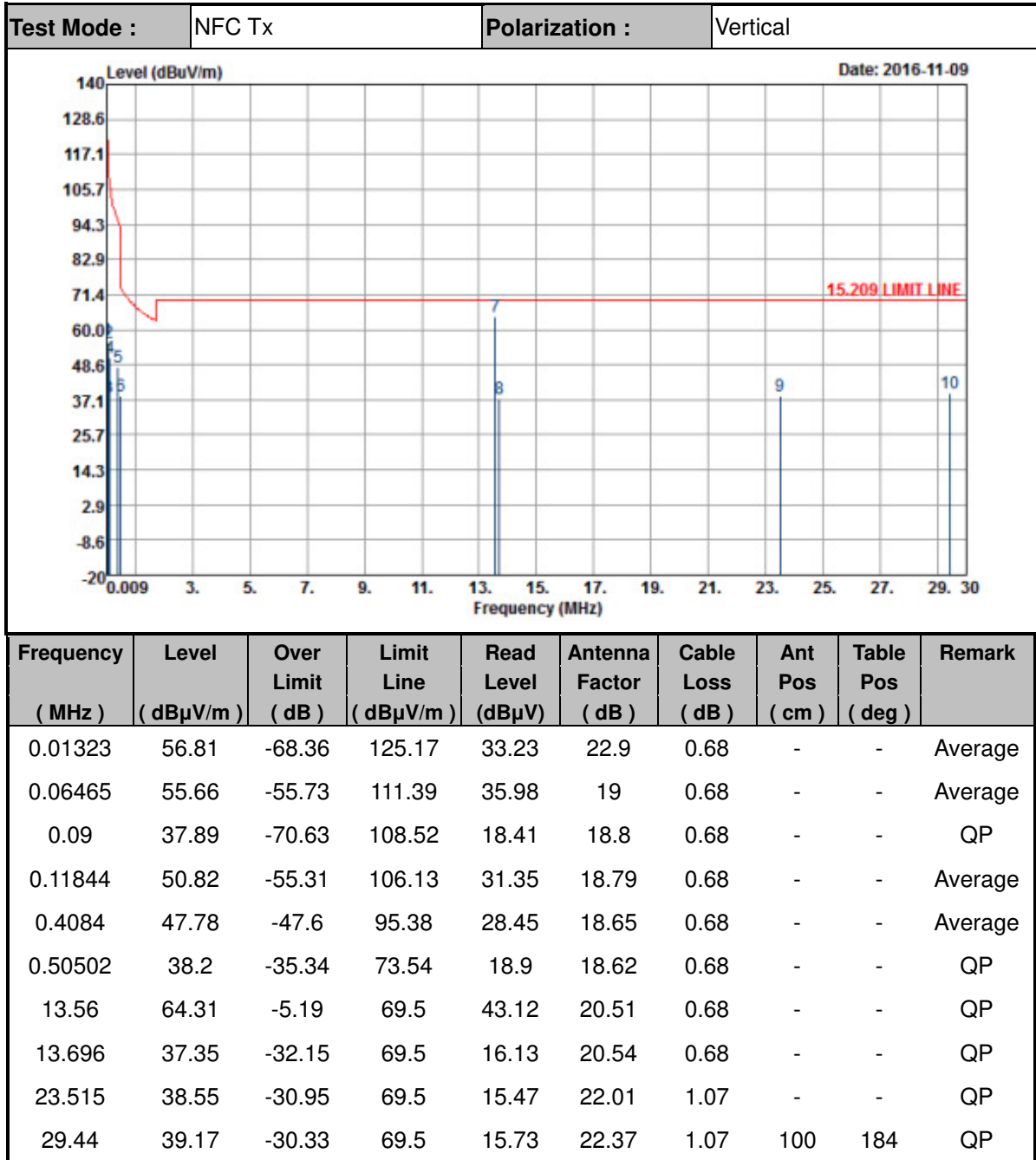
**Band 4 - 5725~5850MHz
WIFI 802.11a (Harmonic @ 3m)**

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
1	Horizontal	Vertical
<p>Peak Avg.</p>	<p>Date: 2016-10-18</p> <p>Site Condition : 03CH12-HY : PEAK[UNII] 3m HORN_9120D_1328 HORIZONTAL</p>	<p>Date: 2016-10-18</p> <p>Site Condition : 03CH12-HY : PEAK[UNII] 3m HORN_9120D_1328 VERTICAL</p>



Results of Radiated Emissions (9 kHz~30MHz)





End of this report