



<Ant. 1>

CSE Plot on CH 00 between 30 MHz ~ 3 GHz



Date: 8.JAN.2021 10:41:20

Date: 8, JAN, 2021 10:42:42

Date: 8.JAN.2021 10:43:11

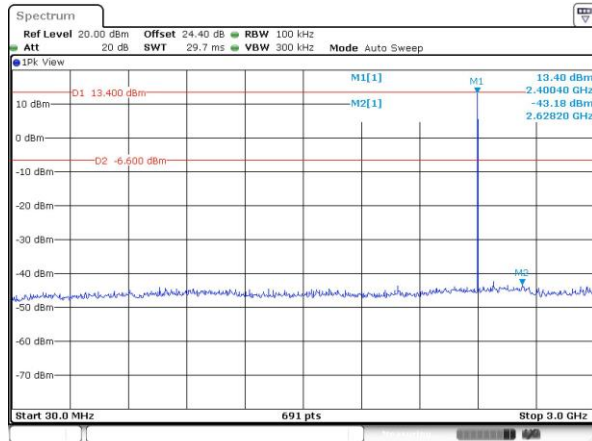
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Date: 8.JAN.2021 10:46:34



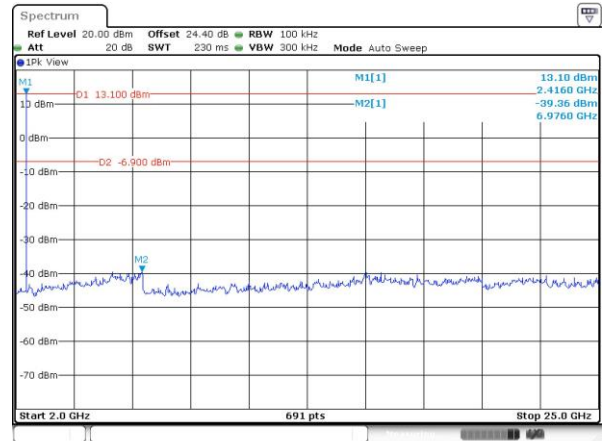
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CSE Plot on CH 00 between 30 MHz ~ 3 GHz



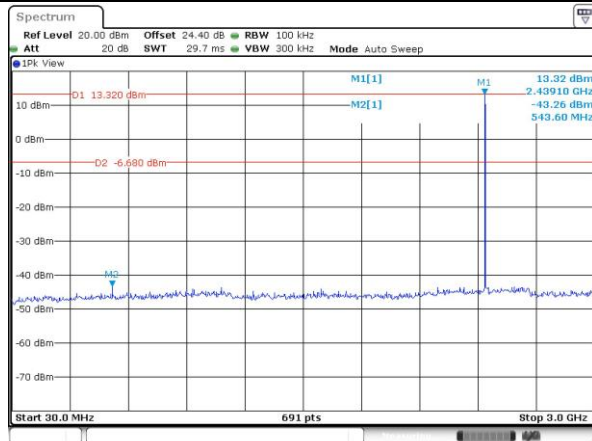
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CSE Plot on CH 00 between 2 GHz ~ 25 GHz



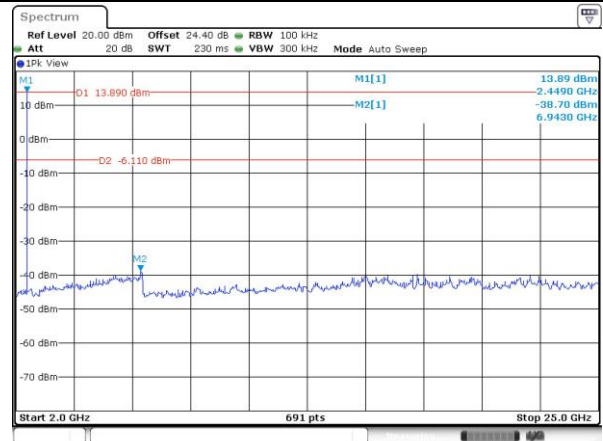
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CSE Plot on CH 39 between 30 MHz ~ 3 GHz



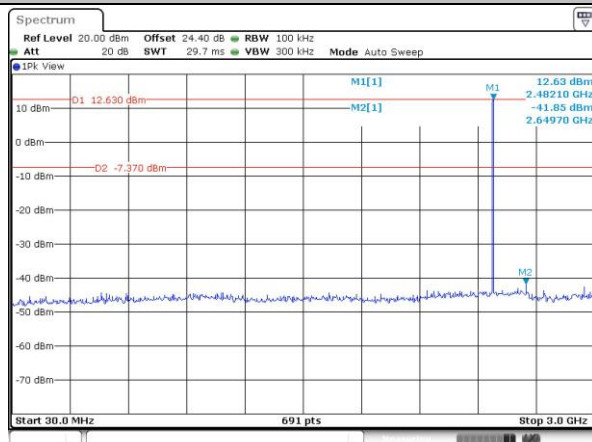
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CSE Plot on CH 39 between 2 GHz ~ 25 GHz



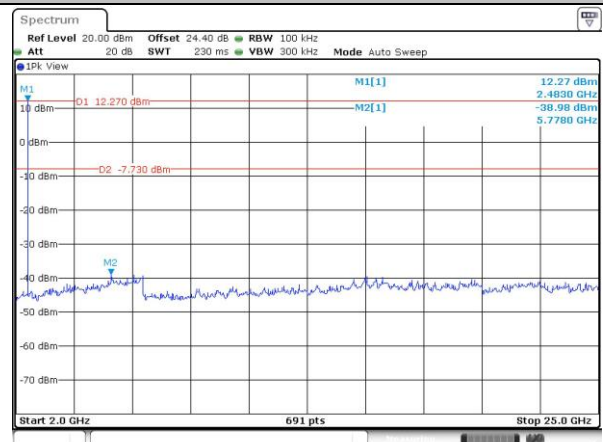
Date: 8.JAN.2021 10:51:47

CSE Plot on CH 78 between 30 MHz ~ 3 GHz



Date: 8.JAN.2021 10:53:16

CSE Plot on CH 78 between 2 GHz ~ 25 GHz

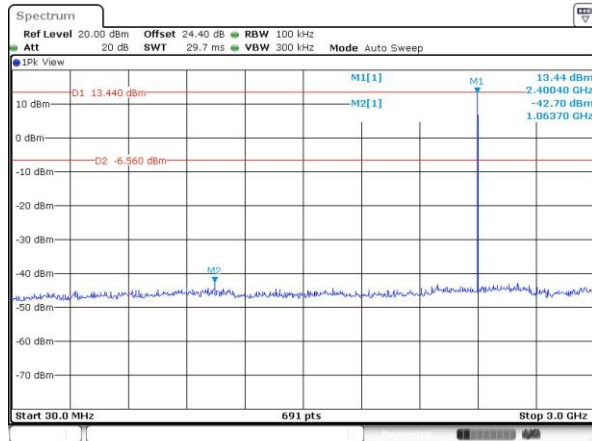


Date: 8.JAN.2021 10:53:47



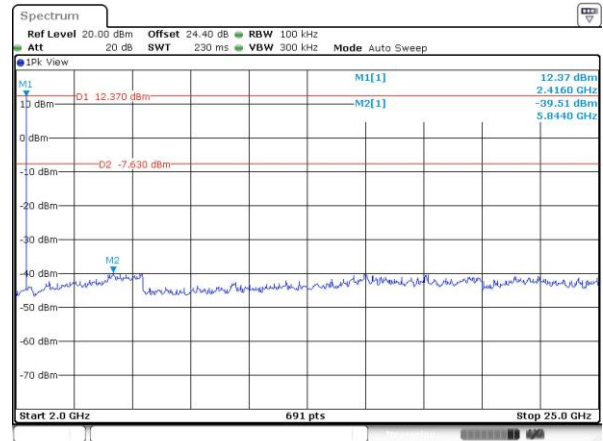
<3Mbps>

CSE Plot on CH 00 between 30 MHz ~ 3 GHz



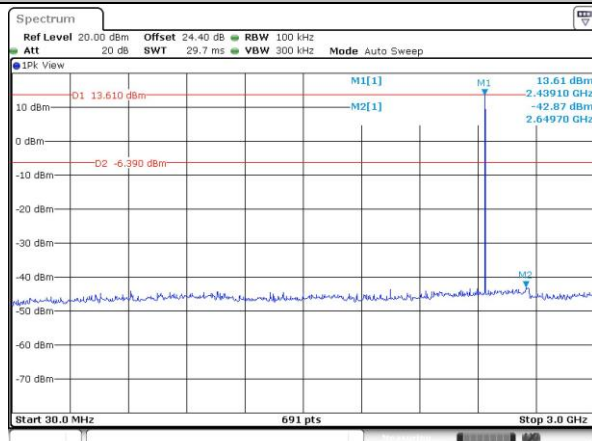
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CSE Plot on CH 00 between 2 GHz ~ 25 GHz



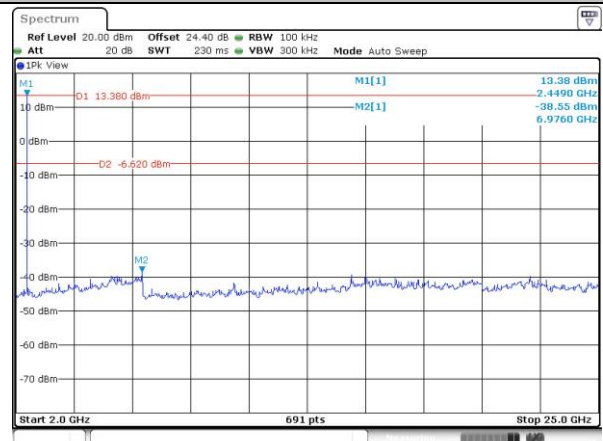
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CSE Plot on CH 39 between 30 MHz ~ 3 GHz



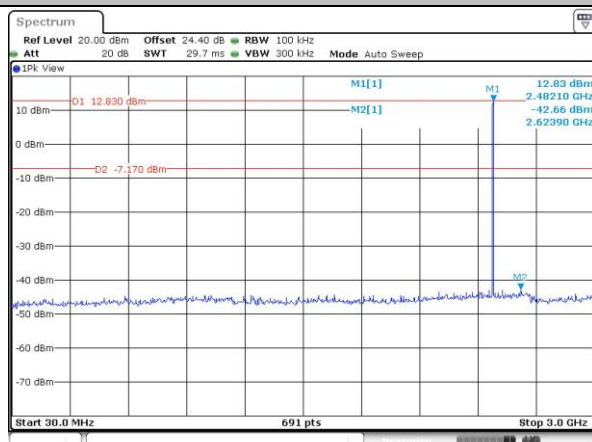
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CSE Plot on CH 39 between 2 GHz ~ 25 GHz



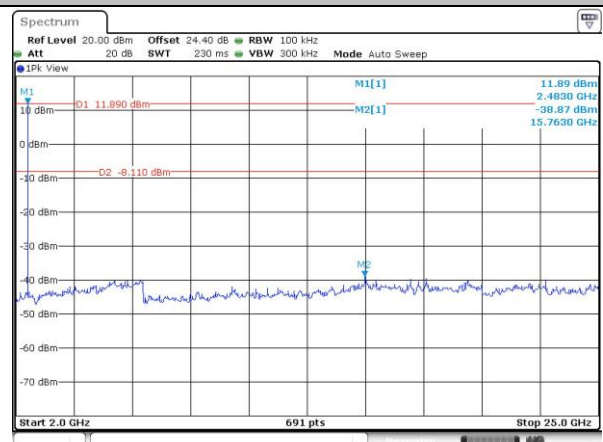
Date: 8.JAN.2021 10:58:42

CSE Plot on CH 78 between 30 MHz ~ 3 GHz



Date: 8.JAN.2021 11:00:42

CSE Plot on CH 78 between 2 GHz ~ 25 GHz



Date: 8.JAN.2021 11:01:11

3.8 Radiated Band Edges and Spurious Emission Measurement

3.8.1 Limit of Radiated Band Edges and Spurious Emission

In any 100 kHz bandwidth outside the intentional radiator frequency band, all harmonics / spurious must be at least 20 dB below the highest emission level within the authorized band. In addition, radiated emissions which fall in the restricted bands must also comply with the limits as below.

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

3.8.2 Measuring Instruments

See list of measuring equipment of this test report.



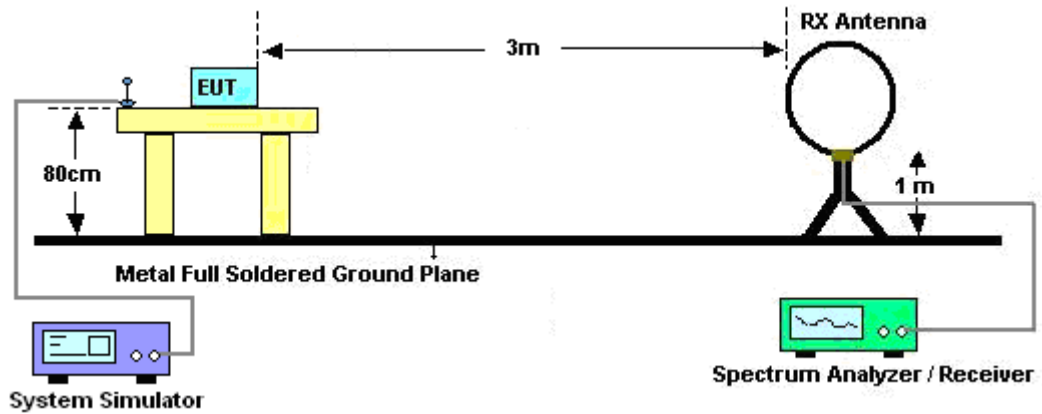
3.8.3 Test Procedures

1. The EUT was placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. For each suspected emission, the EUT was arranged to its worst case and then tune the Antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.
4. Set the maximum power setting and enable the EUT to transmit continuously.
5. Use the following spectrum analyzer settings:
 - (1) Span shall wide enough to fully capture the emission being measured;
 - (2) Set RBW = 100 kHz for $f < 1$ GHz, RBW = 1 MHz for $f > 1$ GHz ; VBW $\geq$ RBW; Sweep = auto; Detector function = peak; Trace = max hold for peak
 - (3) For average measurement: use duty cycle correction factor method per 15.35(c).
Duty cycle = On time/100 milliseconds
On time = $N_1 * L_1 + N_2 * L_2 + \dots + N_{n-1} * L_{n-1} + N_n * L_n$
Where N_1 is number of type 1 pulses, L_1 is length of type 1 pulses, etc.
Average Emission Level = Peak Emission Level + $20 * \log(\text{Duty cycle})$
6. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level
7. For testing below 1 GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
8. For testing above 1 GHz, the emission level of the EUT in peak mode was 20 dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

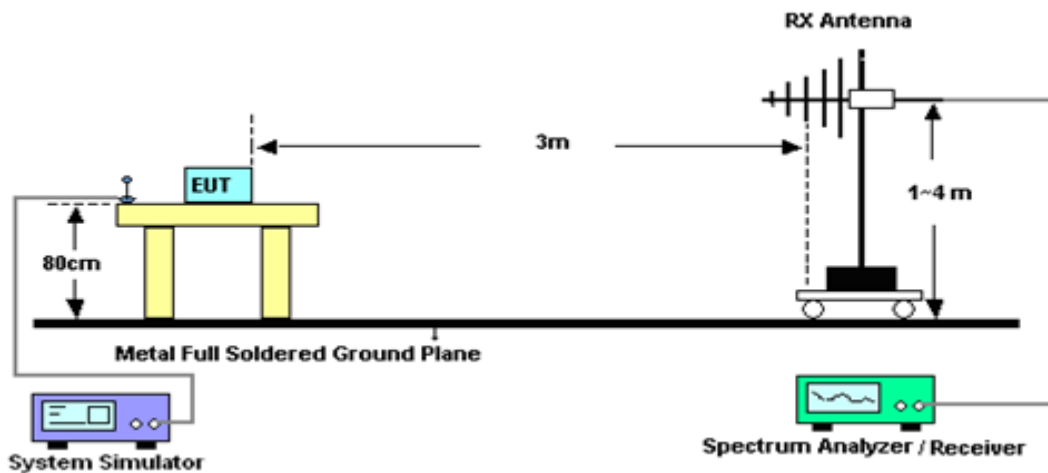
Note: The average levels were calculated from the peak level corrected with duty cycle correction factor (-24.79dB) derived from $20 \log(\text{dwell time}/100\text{ms})$. This correction is only for signals that hop with the fundamental signal, such as band-edge and harmonic. Other spurious signals that are independent of the hopping signal would not use this correction.

3.8.4 Test Setup

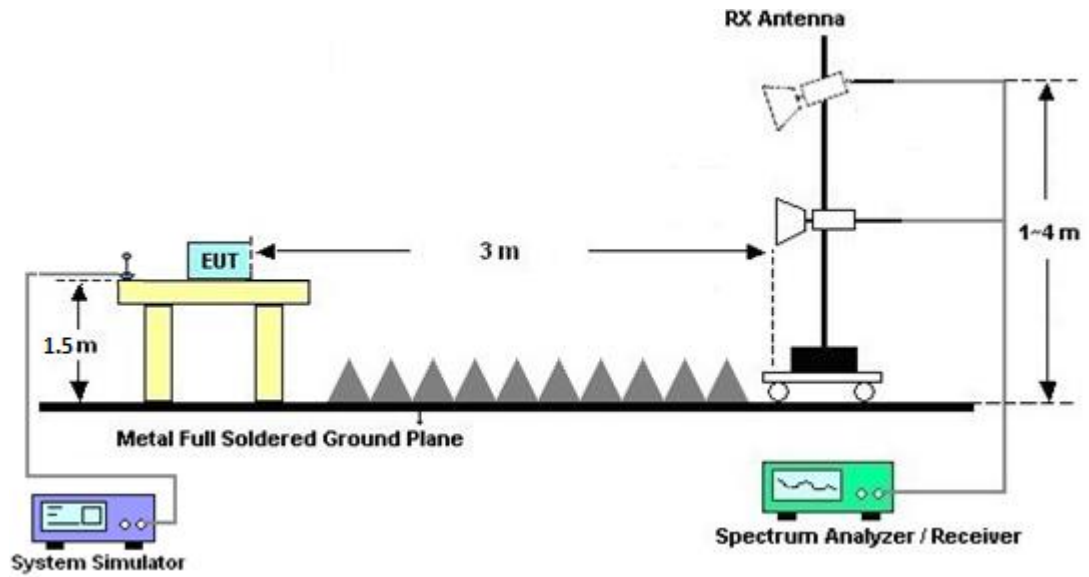
For radiated test below 30MHz



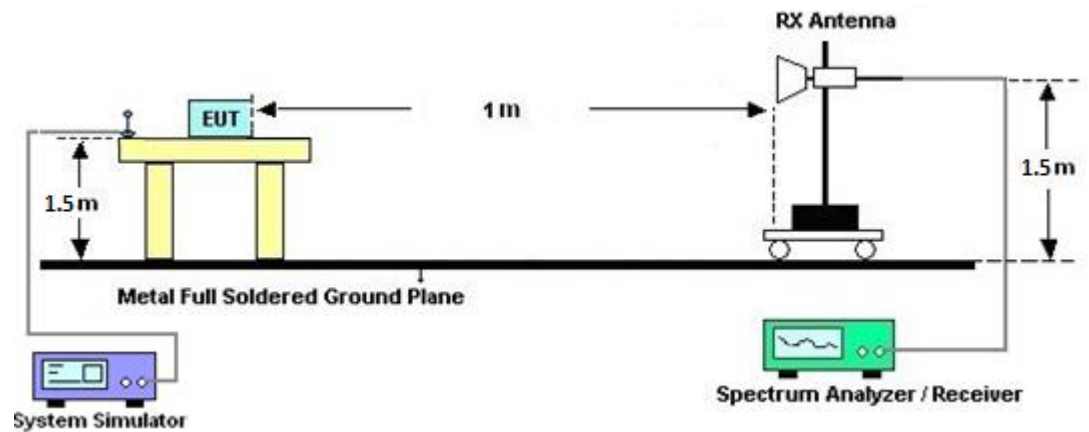
For radiated test from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



**3.8.5 Test Results of Radiated Spurious Emissions (9 kHz ~ 30 MHz)**

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

3.8.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.8.7 Duty Cycle

Please refer to Appendix E.

3.8.8 Test Result of Radiated Spurious Emission (30MHz ~ 10th Harmonic)

Please refer to Appendix C and D.

3.9 AC Conducted Emission Measurement

3.9.1 Limit of AC Conducted Emission

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

Frequency of emission (MHz)	Conducted limit (dB μ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

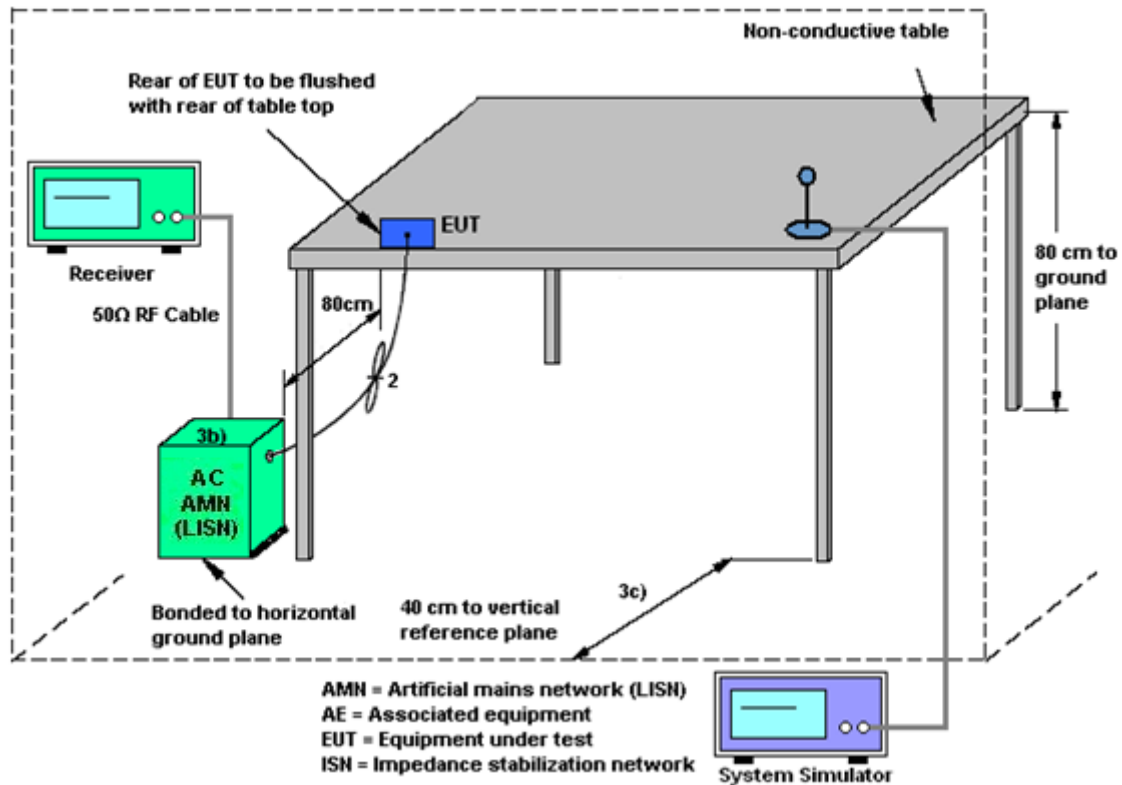
3.9.2 Measuring Instruments

See list of measuring equipment of this test report.

3.9.3 Test Procedures

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

3.9.4 Test Setup



3.9.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



3.10 Antenna Requirements

3.10.1 Standard Applicable

If directional gain of transmitting antennas is greater than 6 dBi, the power shall be reduced by the same level in dB comparing to gain minus 6 dBi. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the rule.

3.10.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.10.3 Antenna Gain

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



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Jul. 14, 2020	Feb. 26, 2021~ Mar. 03, 2021	Jul. 13, 2021	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01 N-06	41912 & 05	30MHz~1GHz	Feb. 08, 2021	Feb. 26, 2021~ Mar. 03, 2021	Feb. 07, 2022	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 28, 2020	Feb. 26, 2021~ Mar. 03, 2021	Dec. 27, 2021	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-016 20	1GHz~18GHz	Nov. 03, 2020	Feb. 26, 2021~ Mar. 03, 2021	Nov. 02, 2021	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	BBHA9170 251	18GHz~40GHz	Dec. 02, 2020	Feb. 26, 2021~ Mar. 03, 2021	Dec. 01, 2021	Radiation (03CH15-HY)
Preamplifier	Jet-Power	JPA0118-55-3 03	171000180 0055006	1GHz~18GHz	May 07, 2020	Feb. 26, 2021~ Mar. 03, 2021	May 06, 2021	Radiation (03CH15-HY)
Preamplifier	Keysight	83017A	MY532701 95	1GHz~26.5GHz	Aug. 21, 2020	Feb. 26, 2021~ Mar. 03, 2021	Aug. 20, 2021	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	0600789	18-40GHz	Oct. 27, 2020	Feb. 26, 2021~ Mar. 03, 2021	Oct. 26, 2021	Radiation (03CH15-HY)
EMI Test Receiver	Keysight	N9038A (MXE)	MY541300 85	20MHz~8.4GHz	Nov. 02, 2020	Feb. 26, 2021~ Mar. 03, 2021	Nov. 01, 2021	Radiation (03CH15-HY)
Spectrum Analyzer	Agilent	E4446A	MY501801 36	3Hz~44GHz	May 04, 2020	Feb. 26, 2021~ Mar. 03, 2021	May 03, 2021	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Feb. 26, 2021~ Mar. 03, 2021	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Feb. 26, 2021~ Mar. 03, 2021	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24 (k5)	RK-00045 1	N/A	N/A	Feb. 26, 2021~ Mar. 03, 2021	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY36980/ 4, MY9838/4 PE,508405 /2E	30MHz~18G	Nov. 16, 2020	Feb. 26, 2021~ Mar. 03, 2021	Nov. 15, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz-40GHz	Feb. 22, 2021	Feb. 26, 2021~ Mar. 03, 2021	Feb. 21, 2022	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30MHz-40GHz	Feb. 22, 2021	Feb. 26, 2021~ Mar. 03, 2021	Feb. 21, 2022	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4 PE	9kHz~30MHz	Mar. 12, 2020	Feb. 26, 2021~ Mar. 03, 2021	Mar. 11, 2021	Radiation (03CH15-HY)
Filter	Wainwright	WLJ4-1000-1 530-6000-40S T	SN4	1.53GHz Low Pass Filter	Jul. 03, 2020	Feb. 26, 2021~ Mar. 03, 2021	Jul. 02, 2021	Radiation (03CH15-HY)
Filter	Wainwright	WHKX12-270 0-3000-18000 -60ST	SN4	3GHz High Pass Filter	Sep. 16, 2020	Feb. 26, 2021~ Mar. 03, 2021	Sep. 15, 2021	Radiation (03CH15-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	Testo	608-H1	34893241	N/A	Mar. 02, 2020	Dec. 30, 2020~ Feb. 03, 2021	Mar. 01, 2021	Conducted (TH05-HY)
Power Meter	Anritsu	ML2495A	1036004	N/A	Aug. 12, 2020	Dec. 30, 2020~ Feb. 03, 2021	Aug. 11, 2021	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	1027253	300MHz~40GHz	Aug. 12, 2020	Dec. 30, 2020~ Feb. 03, 2021	Aug. 11, 2021	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz ~ 40GHz	Jul. 22, 2020	Dec. 30, 2020~ Feb. 03, 2021	Jul. 21, 2021	Conducted (TH05-HY)
BT Base Station	Rohde & Schwarz	CBT	101135	BT 3.0	Sep. 15, 2020	Dec. 30, 2020~ Feb. 03, 2021	Sep. 14, 2022	Conducted (TH05-HY)
Switch Box & RF Cable	EM Electronics	EMSW18SE	SW200302	N/A	Mar. 17, 2020	Dec. 30, 2020~ Feb. 03, 2021	Mar. 16, 2021	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Mar. 01, 2021	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 30, 2020	Mar. 01, 2021	Nov. 29, 2021	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 18, 2020	Mar. 01, 2021	Nov. 17, 2021	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 16, 2020	Mar. 01, 2021	Nov. 15, 2021	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Mar. 01, 2021	N/A	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 31, 2020	Mar. 01, 2021	Dec. 30, 2021	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Feb. 25, 2021	Mar. 01, 2021	Feb. 24, 2022	Conduction (CO05-HY)



5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.3
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.7
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.3
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.9
---	-----

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Eason Huang	Temperature:	21~25	°C
Test Date:	2020/12/30~2021/02/03	Relative Humidity:	51~54	%

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TEST RESULTS DATA**20dB and 99% Occupied Bandwidth and Hopping Channel Separation**

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	20db BW (MHz)	99% Bandwidth (MHz)	Hopping Channel Separation Measurement (MHz)	Hopping Channel Separation Measurement Limit (MHz)	Pass/Fail
DH	1Mbps	1	0	2402	0.894	0.828	0.999	0.5963	Pass
DH	1Mbps	1	39	2441	0.894	0.831	0.999	0.5963	Pass
DH	1Mbps	1	78	2480	0.892	0.825	0.999	0.5943	Pass
2DH	2Mbps	1	0	2402	1.255	1.166	1.003	0.8365	Pass
2DH	2Mbps	1	39	2441	1.289	1.166	1.003	0.8596	Pass
2DH	2Mbps	1	78	2480	1.289	1.169	1.003	0.8596	Pass
3DH	3Mbps	1	0	2402	1.233	1.155	1.003	0.8220	Pass
3DH	3Mbps	1	39	2441	1.233	1.149	1.003	0.8220	Pass
3DH	3Mbps	1	78	2480	1.233	1.158	1.003	0.8220	Pass

TEST RESULTS DATA**Dwell Time**

Mod.	Hopping Channel Number Rate	Hops Over Occupancy Time(hops)	Package Transfer Time (msec)	Dwell Time (sec)	Limits (sec)	Pass/Fail
Nomal	79	106.67	2.88	0.31	0.4	Pass
AFH	20	53.33	2.88	0.15	0.4	Pass

TEST RESULTS DATA**Peak Power Table**

DH	CH.	NTX	Peak Power (dBm)	Power Limit (dBm)	Test Result
DH1	0	1	13.64	20.97	Pass
	39	1	13.41	20.97	Pass
	78	1	12.90	20.97	Pass
2DH1	0	1	14.80	20.97	Pass
	39	1	14.54	20.97	Pass
	78	1	13.88	20.97	Pass
3DH1	0	1	15.11	20.97	Pass
	39	1	14.93	20.97	Pass
	78	1	14.09	20.97	Pass

TEST RESULTS DATA**Average Power Table**
(Reporting Only)

DH	CH.	NTX	Average Power (dBm)	Duty Factor (dB)
DH1	0	1	13.50	5.20
	39	1	13.26	5.20
	78	1	12.72	5.20
2DH1	0	1	12.84	5.08
	39	1	12.57	5.08
	78	1	12.17	5.08
3DH1	0	1	12.94	5.20
	39	1	12.72	5.20
	78	1	12.26	5.20

TEST RESULTS DATA**Number of Hopping Frequency**

Number of Hopping (Channel)	Adaptive Frequency Hopping (Channel)	Limits (Channel)	Pass/Fail
79	20	> 15	Pass

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TEST RESULTS DATA**20dB and 99% Occupied Bandwidth and Hopping Channel Separation**

Mod.	Data Rate	NTX	CH.	Freq. (MHz)	20db BW (MHz)	99% Bandwidth (MHz)	Hopping Channel Separation Measurement (MHz)	Hopping Channel Separation Measurement Limit (MHz)	Pass/Fail
DH	1Mbps	1	0	2402	0.892	0.828	0.999	0.5943	Pass
DH	1Mbps	1	39	2441	0.892	0.828	0.999	0.5943	Pass
DH	1Mbps	1	78	2480	0.892	0.828	0.999	0.5943	Pass
2DH	2Mbps	1	0	2402	1.285	1.166	1.003	0.8567	Pass
2DH	2Mbps	1	39	2441	1.250	1.163	1.003	0.8336	Pass
2DH	2Mbps	1	78	2480	1.285	1.169	0.999	0.8567	Pass
3DH	3Mbps	1	0	2402	1.229	1.151	0.999	0.8191	Pass
3DH	3Mbps	1	39	2441	1.229	1.151	1.003	0.8191	Pass
3DH	3Mbps	1	78	2480	1.229	1.151	0.994	0.8191	Pass

TEST RESULTS DATA**Dwell Time**

Mod.	Hopping Channel Number Rate	Hops Over Occupancy Time(hops)	Package Transfer Time (msec)	Dwell Time (sec)	Limits (sec)	Pass/Fail
Nomal	79	106.67	2.88	0.31	0.4	Pass
AFH	20	53.33	2.88	0.15	0.4	Pass

TEST RESULTS DATA**Peak Power Table**

DH	CH.	NTX	Peak Power (dBm)	Power Limit (dBm)	Test Result
DH1	0	1	13.41	20.97	Pass
	39	1	13.43	20.97	Pass
	78	1	12.77	20.97	Pass
2DH1	0	1	14.64	20.97	Pass
	39	1	14.71	20.97	Pass
	78	1	13.86	20.97	Pass
3DH1	0	1	15.00	20.97	Pass
	39	1	15.02	20.97	Pass
	78	1	14.02	20.97	Pass

TEST RESULTS DATA**Average Power Table
(Reporting Only)**

DH	CH.	NTX	Average Power (dBm)	Duty Factor (dB)
DH1	0	1	13.29	5.20
	39	1	13.31	5.20
	78	1	12.67	5.20
2DH1	0	1	12.61	5.08
	39	1	12.68	5.08
	78	1	12.10	5.08
3DH1	0	1	12.75	5.20
	39	1	12.78	5.20
	78	1	12.29	5.20

TEST RESULTS DATA**Number of Hopping Frequency**

Number of Hopping (Channel)	Adaptive Frequency Hopping (Channel)	Limits (Channel)	Pass/Fail
79	20	> 15	Pass



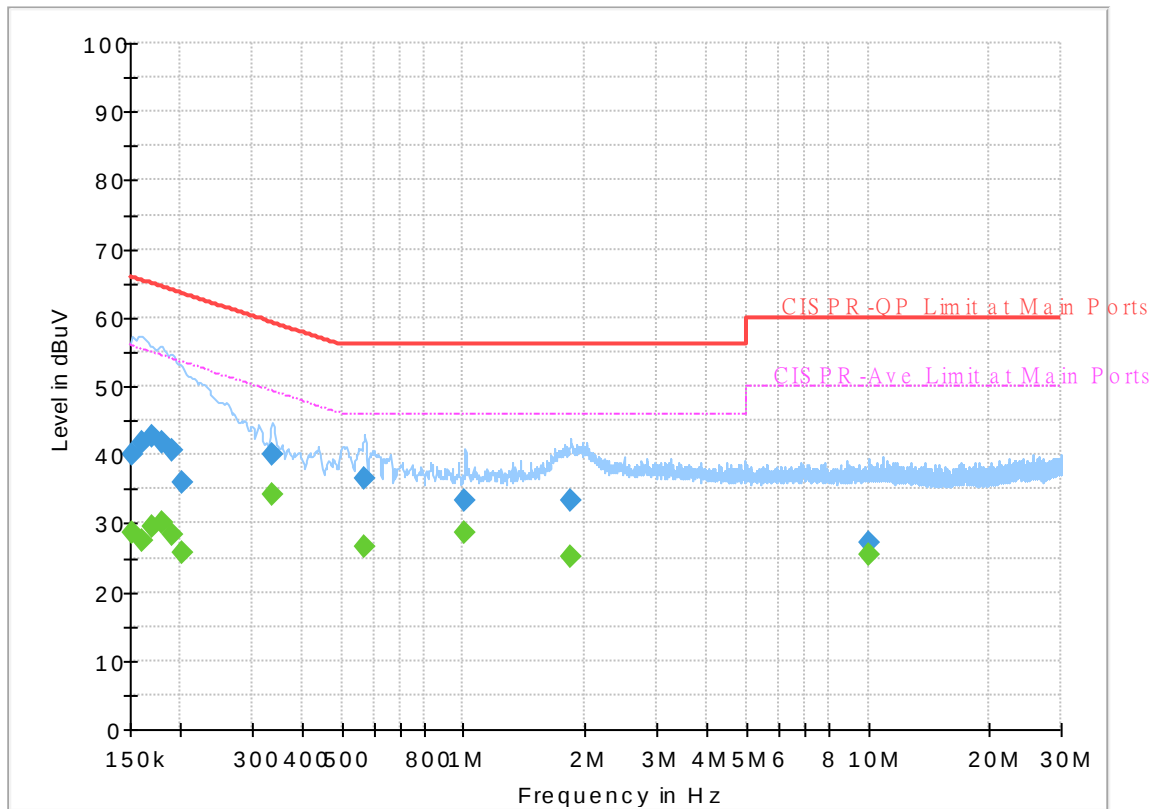
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Tom Lee	Temperature :	23~26℃
		Relative Humidity :	40~50%

EUT Information

Report NO : 0D2215
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Line

Full Spectrum



Final_Result

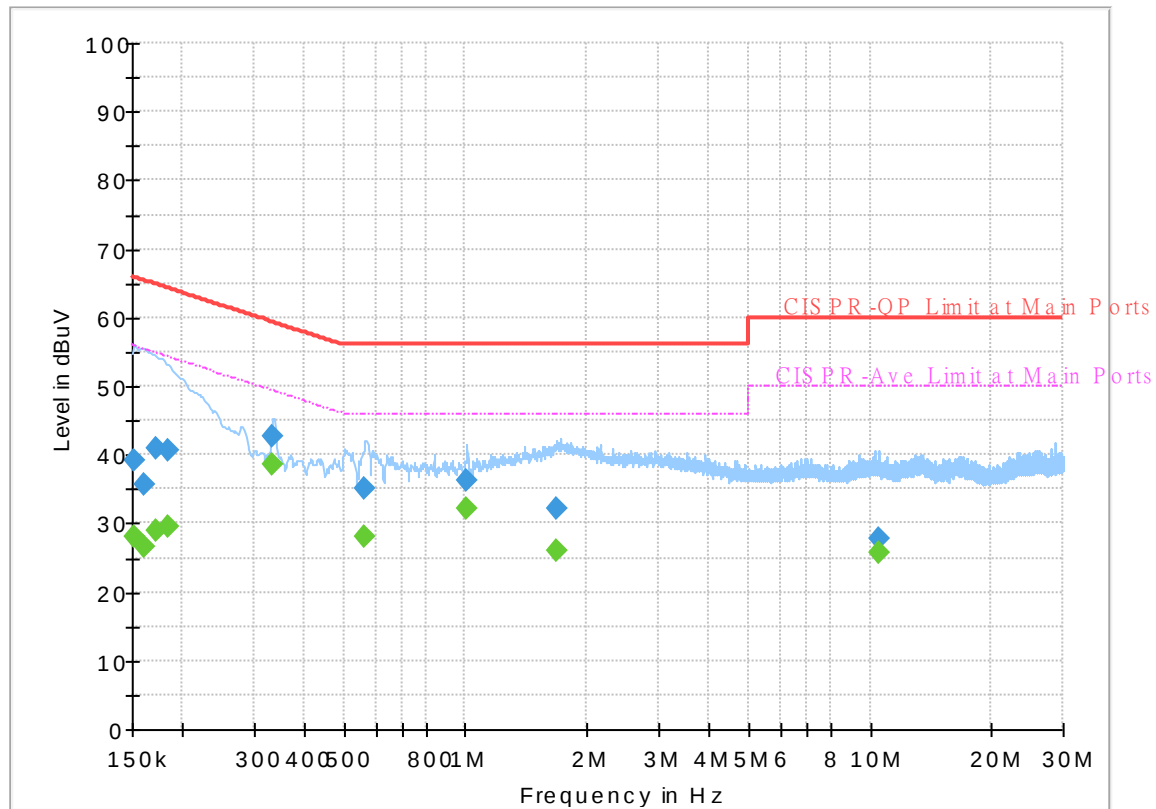
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	28.72	55.88	27.16	L1	OFF	19.5
0.152250	40.17	---	65.88	25.71	L1	OFF	19.5
0.161250	---	27.39	55.40	28.01	L1	OFF	19.5
0.161250	41.93	---	65.40	23.47	L1	OFF	19.5
0.170250	---	29.57	54.95	25.38	L1	OFF	19.5
0.170250	42.74	---	64.95	22.21	L1	OFF	19.5
0.179250	---	30.24	54.52	24.28	L1	OFF	19.5
0.179250	41.81	---	64.52	22.71	L1	OFF	19.5
0.190500	---	28.36	54.02	25.66	L1	OFF	19.5
0.190500	40.74	---	64.02	23.28	L1	OFF	19.5
0.201750	---	25.72	53.54	27.82	L1	OFF	19.5
0.201750	35.99	---	63.54	27.55	L1	OFF	19.5
0.336750	---	34.33	49.28	14.95	L1	OFF	19.5
0.336750	39.94	---	59.28	19.34	L1	OFF	19.5
0.568500	---	26.70	46.00	19.30	L1	OFF	19.7
0.568500	36.50	---	56.00	19.50	L1	OFF	19.7
1.009500	---	28.78	46.00	17.22	L1	OFF	20.0
1.009500	33.43	---	56.00	22.57	L1	OFF	20.0
1.842000	---	25.16	46.00	20.84	L1	OFF	20.0
1.842000	33.37	---	56.00	22.63	L1	OFF	20.0
10.005000	---	25.44	50.00	24.56	L1	OFF	20.0

10.005000	27.12	---	60.00	32.88	L1	OFF	20.0
-----------	-------	-----	-------	-------	----	-----	------

EUT Information

Report NO : 0D2215
Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	28.20	55.88	27.68	N	OFF	19.5
0.152250	39.29	---	65.88	26.59	N	OFF	19.5
0.161250	---	26.62	55.40	28.78	N	OFF	19.5
0.161250	35.77	---	65.40	29.63	N	OFF	19.5
0.172500	---	28.88	54.84	25.96	N	OFF	19.5
0.172500	40.84	---	64.84	24.00	N	OFF	19.5
0.183750	---	29.57	54.31	24.74	N	OFF	19.5
0.183750	40.71	---	64.31	23.60	N	OFF	19.5
0.334500	---	38.48	49.34	10.86	N	OFF	19.6
0.334500	42.81	---	59.34	16.53	N	OFF	19.6
0.564000	---	28.15	46.00	17.85	N	OFF	19.8
0.564000	35.05	---	56.00	20.95	N	OFF	19.8
1.007250	---	32.11	46.00	13.89	N	OFF	20.1
1.007250	36.18	---	56.00	19.82	N	OFF	20.1
1.682250	---	26.03	46.00	19.97	N	OFF	20.0
1.682250	32.30	---	56.00	23.70	N	OFF	20.0
10.493250	---	25.79	50.00	24.21	N	OFF	20.1
10.493250	27.63	---	60.00	32.37	N	OFF	20.1



Appendix C. Radiated Spurious Emission

Test Engineer :	Leo Lee, Mancy Chou and Bigshow Wang	Temperature :	22.1~23.1°C
		Relative Humidity :	55~60%

<1Mbps>

2.4GHz 2400~2483.5MHz

BT (Band Edge @ 3m)

BT Ant	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
BT CH00 2402MHz		2353.89	44.64	-29.36	74	41.31	27.68	6.58	30.93	239	61	P	H
		2353.89	19.85	-34.15	54	-	-	-	-	-	-	A	H
	*	2402	95.45	-	-	92.2	27.5	6.66	30.91	239	61	P	H
	*	2402	70.66	-	-	-	-	-	-	-	-	A	H
													H
		2370.165	44.64	-29.36	74	41.33	27.62	6.61	30.92	309	78	P	V
		2370.165	19.85	-34.15	54	-	-	-	-	-	-	A	V
	*	2402	96.73	-	-	93.48	27.5	6.66	30.91	309	78	P	V
	*	2402	71.94	-	-	-	-	-	-	-	-	A	V
													V
BT CH 39 2441MHz		2380.14	44.55	-29.45	74	41.26	27.58	6.63	30.92	183	71	P	H
		2380.14	19.76	-34.24	54	-	-	-	-	-	-	A	H
	*	2441	94.43	-	-	91.11	27.5	6.72	30.9	183	71	P	H
	*	2441	69.64	-	-	-	-	-	-	-	-	A	H
		2492.86	44.44	-29.56	74	41.1	27.41	6.8	30.87	183	71	P	H
		2492.86	19.65	-34.35	54	-	-	-	-	-	-	A	H
		2373	44.17	-29.83	74	40.86	27.61	6.62	30.92	327	111	P	V
		2373	19.38	-34.62	54	-	-	-	-	-	-	A	V
	*	2441	98.84	-	-	95.52	27.5	6.72	30.9	327	111	P	V
	*	2441	74.05	-	-	-	-	-	-	-	-	A	V
		2485.3	44.61	-29.39	74	41.27	27.43	6.79	30.88	327	111	P	V
		2485.3	19.82	-34.18	54	-	-	-	-	-	-	A	V



BT CH 78 2480MHz	*	2480	95	-	-	91.66	27.44	6.78	30.88	127	69	P	H
	*	2480	70.21	-	-	-	-	-	-	-	-	A	H
		2490	44.38	-29.62	74	41.03	27.42	6.8	30.87	127	69	P	H
		2490	19.59	-34.41	54	-	-	-	-	-	-	A	H
													H
													H
	*	2480	99.36	-	-	96.02	27.44	6.78	30.88	295	110	P	V
	*	2480	74.57	-	-	-	-	-	-	-	-	A	V
		2491.92	44.84	-29.16	74	41.49	27.42	6.8	30.87	295	110	P	V
		2491.92	20.05	-33.95	54	-	-	-	-	-	-	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

BT Ant 0	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
BT CH 00 2402MHz		4804	40.39	-33.61	74	58.32	31.1	10.05	59.08	100	0	P	H
		4804	15.6	-38.4	54	-	-	-	-	-	-	A	H
		18000	58.63	-15.37	74	48.64	49	18.89	57.9	100	0	P	H
		18000	33.84	-20.16	54	-	-	-	-	-	-	A	H
		4804	40.25	-33.75	74	58.18	31.1	10.05	59.08	100	0	P	V
		4804	15.46	-38.54	54	-	-	-	-	-	-	A	V
		18000	59.19	-14.81	74	49.2	49	18.89	57.9	100	0	P	V
		18000	34.4	-19.6	54	-	-	-	-	-	-	A	V
BT CH 39 2441MHz		4882	39.15	-34.85	74	57.13	31.04	10.11	59.13	100	0	P	H
		4882	14.36	-39.64	54	-	-	-	-	-	-	A	H
		7323	43.53	-30.47	74	53.46	36.3	12.32	58.55	100	0	P	H
		7323	18.74	-35.26	54	-	-	-	-	-	-	A	H
		18000	58.43	-15.57	74	48.44	49	18.89	57.9	100	0	P	H
		18000	33.64	-20.36	54	-	-	-	-	-	-	A	H
		4882	38.92	-35.08	74	56.9	31.04	10.11	59.13	100	0	P	V
		4882	14.13	-39.87	54	-	-	-	-	-	-	A	V
		7323	44.25	-29.75	74	54.18	36.3	12.32	58.55	100	0	P	V
		7323	19.46	-34.54	54	-	-	-	-	-	-	A	V
		18000	58.67	-15.33	74	48.68	49	18.89	57.9	100	0	P	V
		18000	33.88	-20.12	54	-	-	-	-	-	-	A	V



BT CH 78 2480MHz		4960	39.42	-34.58	74	57.21	31.22	10.17	59.18	100	0	P	H
		4960	14.63	-39.37	54	-	-	-	-	-	-	A	H
		7440	46.75	-27.25	74	56.44	36.3	12.39	58.38	100	0	P	H
		7440	21.96	-32.04	54	-	-	-	-	-	-	A	H
		18000	58.94	-15.06	74	48.95	49	18.89	57.9	100	0	P	H
		18000	34.15	-19.85	54	-	-	-	-	-	-	A	H
		4960	40.17	-33.83	74	57.96	31.22	10.17	59.18	100	0	P	V
		4960	15.38	-38.62	54	-	-	-	-	-	-	A	V
		7440	45.29	-28.71	74	54.98	36.3	12.39	58.38	100	0	P	V
		7440	20.5	-33.5	54	-	-	-	-	-	-	A	V
		18000	58.97	-15.03	74	48.98	49	18.89	57.9	100	0	P	V
		18000	34.18	-19.82	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

BT (Band Edge @ 3m)

BT	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
BT CH00 2402MHz		2380.98	44.48	-29.52	74	41.19	27.58	6.63	30.92	146	262	P	H
		2380.98	19.69	-34.31	54	-	-	-	-	-	-	A	H
	*	2402	103.25	-	-	100	27.5	6.66	30.91	146	262	P	H
	*	2402	78.46	-	-	-	-	-	-	-	-	A	H
													H
													H
		2315.145	44.48	-29.52	74	41.14	27.77	6.52	30.95	295	283	P	V
		2315.145	19.69	-34.31	54	-	-	-	-	-	-	A	V
	*	2402	99.35	-	-	96.1	27.5	6.66	30.91	295	283	P	V
	*	2402	74.56	-	-	-	-	-	-	-	-	A	V
													V
													V
BT CH 39 2441MHz		2347.94	44.16	-29.84	74	40.82	27.7	6.57	30.93	139	262	P	H
		2347.94	19.37	-34.63	54	-	-	-	-	-	-	A	H
	*	2441	103.94	-	-	100.61	27.5	6.72	30.89	139	262	P	H
	*	2441	79.15	-	-	-	-	-	-	-	-	A	H
		2499.09	44.77	-29.23	74	41.43	27.4	6.81	30.87	139	262	P	H
		2499.09	19.98	-34.02	54	-	-	-	-	-	-	A	H
		2310	44.31	-29.69	74	40.97	27.78	6.51	30.95	258	280	P	V
		2310	19.52	-34.48	54	-	-	-	-	-	-	A	V
	*	2441	100.95	-	-	97.62	27.5	6.72	30.89	258	280	P	V
	*	2441	76.16	-	-	-	-	-	-	-	-	A	V
		2499.02	44.39	-29.61	74	41.05	27.4	6.81	30.87	258	280	P	V
		2499.02	19.6	-34.4	54	-	-	-	-	-	-	A	V



BT CH 78 2480MHz	*	2480	101.91	-	-	98.57	27.44	6.78	30.88	100	152	P	H
	*	2480	77.12	-	-	-	-	-	-	-	-	A	H
		2485.04	45.5	-28.5	74	42.16	27.43	6.79	30.88	100	152	P	H
		2485.04	20.71	-33.29	54	-	-	-	-	-	-	A	H
													H
													H
	*	2480	99.83	-	-	96.49	27.44	6.78	30.88	400	29	P	V
	*	2480	75.04	-	-	-	-	-	-	-	-	A	V
		2483.96	44.53	-29.47	74	41.19	27.43	6.79	30.88	400	29	P	V
		2483.96	19.74	-34.26	54	-	-	-	-	-	-	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

BT (Harmonic @ 3m)

BT Ant 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
BT CH 00 2402MHz		4804	39.12	-34.88	74	57.05	31.1	10.05	59.08	100	0	P	H
		4804	14.33	-39.67	54	-	-	-	-	-	-	A	H
		18000	59.67	-14.33	74	49.68	49	18.89	57.9	100	0	P	H
		18000	34.88	-19.12	54	-	-	-	-	-	-	A	H
		4804	39.88	-34.12	74	57.81	31.1	10.05	59.08	100	0	P	V
		4804	15.09	-38.91	54	-	-	-	-	-	-	A	V
		18000	59.15	-14.85	74	49.16	49	18.89	57.9	100	0	P	V
		18000	34.36	-19.64	54	-	-	-	-	-	-	A	V
BT CH 39 2441MHz		4882	38.84	-35.16	74	56.82	31.04	10.11	59.13	100	0	P	H
		4882	14.05	-39.95	54	-	-	-	-	-	-	A	H
		7323	45.03	-28.97	74	54.96	36.3	12.32	58.55	100	0	P	H
		7323	20.24	-33.76	54	-	-	-	-	-	-	A	H
		18000	59.5	-14.5	74	49.51	49	18.89	57.9	100	0	P	H
		18000	34.71	-19.29	54	-	-	-	-	-	-	A	H
		4882	39.01	-34.99	74	56.99	31.04	10.11	59.13	100	0	P	V
		4882	14.22	-39.78	54	-	-	-	-	-	-	A	V
		7323	45.11	-28.89	74	55.04	36.3	12.32	58.55	100	0	P	V
		7323	20.32	-33.68	54	-	-	-	-	-	-	A	V
		18000	58.94	-15.06	74	48.95	49	18.89	57.9	100	0	P	V
		18000	34.15	-19.85	54	-	-	-	-	-	-	A	V



BT CH 78 2480MHz		4960	39.16	-34.84	74	56.95	31.22	10.17	59.18	100	0	P	H
		4960	14.37	-39.63	54	-	-	-	-	-	-	A	H
		7440	45.57	-28.43	74	55.26	36.3	12.39	58.38	100	0	P	H
		7440	20.78	-33.22	54	-	-	-	-	-	-	A	H
		18000	58.72	-15.28	74	48.73	49	18.89	57.9	100	0	P	H
		18000	33.93	-20.07	54	-	-	-	-	-	-	A	H
		4960	39.21	-34.79	74	57	31.22	10.17	59.18	100	0	P	V
		4960	14.42	-39.58	54	-	-	-	-	-	-	A	V
		7440	45.79	-28.21	74	55.48	36.3	12.39	58.38	100	0	P	V
		7440	21	-33	54	-	-	-	-	-	-	A	V
		18000	59.28	-14.72	74	49.29	49	18.89	57.9	100	0	P	V
		18000	34.49	-19.51	54	-	-	-	-	-	-	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



<2Mbps>

2.4GHz 2400~2483.5MHz

BT (Band Edge @ 3m)

BT Ant	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
BT CH00 2402MHz		2320.185	44.81	-29.19	74	41.47	27.76	6.53	30.95	268	60	P	H
		2320.185	20.02	-33.98	54	-	-	-	-	-	-	A	H
	*	2402	95.83	-	-	92.58	27.5	6.66	30.91	268	60	P	H
	*	2402	71.04	-	-	-	-	-	-	-	-	A	H
													H
													H
		2366.385	44.84	-29.16	74	41.54	27.63	6.6	30.93	329	80	P	V
		2366.385	20.05	-33.95	54	-	-	-	-	-	-	A	V
	*	2402	98.29	-	-	95.04	27.5	6.66	30.91	329	80	P	V
	*	2402	73.5	-	-	-	-	-	-	-	-	A	V
													V
													V
BT CH 39 2441MHz		2331.84	45.02	-28.98	74	41.67	27.74	6.55	30.94	211	63	P	H
		2331.84	20.23	-33.77	54	-	-	-	-	-	-	A	H
	*	2441	98.63	-	-	95.3	27.5	6.72	30.89	211	63	P	H
	*	2441	73.84	-	-	-	-	-	-	-	-	A	H
		2484.67	44.39	-29.61	74	41.05	27.43	6.79	30.88	211	63	P	H
		2484.67	19.6	-34.4	54	-	-	-	-	-	-	A	H
		2310.7	45.09	-28.91	74	41.75	27.78	6.51	30.95	299	79	P	V
		2310.7	20.3	-33.7	54	-	-	-	-	-	-	A	V
	*	2441	100.09	-	-	96.76	27.5	6.72	30.89	299	79	P	V
	*	2441	75.3	-	-	-	-	-	-	-	-	A	V
		2497.97	44.84	-29.16	74	41.5	27.4	6.81	30.87	299	79	P	V
		2497.97	20.05	-33.95	54	-	-	-	-	-	-	A	V



BT CH 78 2480MHz	*	2480	97.89	-	-	94.55	27.44	6.78	30.88	207	63	P	H
	*	2480	73.1	-	-	-	-	-	-	-	-	A	H
		2496.36	44.31	-29.69	74	40.96	27.41	6.81	30.87	207	63	P	H
		2496.36	19.52	-34.48	54	-	-	-	-	-	-	A	H
													H
													H
	*	2480	100.46	-	-	97.12	27.44	6.78	30.88	295	79	P	V
	*	2480	75.67	-	-	-	-	-	-	-	-	A	V
		2486	44.69	-29.31	74	41.35	27.43	6.79	30.88	295	79	P	V
		2486	19.9	-34.1	54	-	-	-	-	-	-	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

BT (Harmonic @ 3m)

BT Ant 0	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
BT CH 00 2402MHz		4804	40.25	-33.75	74	58.18	31.1	10.05	59.08	100	0	P	H
		4804	15.46	-38.54	54	-	-	-	-	-	-	A	H
		18000	59.04	-14.96	74	49.05	49	18.89	57.9	100	0	P	H
		18000	34.25	-19.75	54	-	-	-	-	-	-	A	H
		4804	40.72	-33.28	74	58.65	31.1	10.05	59.08	100	0	P	V
		4804	15.93	-38.07	54	-	-	-	-	-	-	A	V
		18000	58.16	-15.84	74	48.17	49	18.89	57.9	100	0	P	V
		18000	33.37	-20.63	54	-	-	-	-	-	-	A	V
BT CH 39 2441MHz		4882	38.96	-35.04	74	56.94	31.04	10.11	59.13	100	0	P	H
		4882	14.17	-39.83	54	-	-	-	-	-	-	A	H
		7323	44.71	-29.29	74	54.64	36.3	12.32	58.55	100	0	P	H
		7323	19.92	-34.08	54	-	-	-	-	-	-	A	H
		18000	58.51	-15.49	74	48.52	49	18.89	57.9	100	0	P	H
		18000	33.72	-20.28	54	-	-	-	-	-	-	A	H
		4882	39.33	-34.67	74	57.31	31.04	10.11	59.13	100	0	P	V
		4882	14.54	-39.46	54	-	-	-	-	-	-	A	V
		7323	43.99	-30.01	74	53.92	36.3	12.32	58.55	100	0	P	V
		7323	19.2	-34.8	54	-	-	-	-	-	-	A	V
		18000	58.88	-15.12	74	48.89	49	18.89	57.9	100	0	P	V
		18000	34.09	-19.91	54	-	-	-	-	-	-	A	V



BT CH 78 2480MHz		4960	39.52	-34.48	74	57.31	31.22	10.17	59.18	100	0	P	H
		4960	14.73	-39.27	54	-	-	-	-	-	-	A	H
		7440	45.58	-28.42	74	55.27	36.3	12.39	58.38	100	0	P	H
		7440	20.79	-33.21	54	-	-	-	-	-	-	A	H
		18000	58.79	-15.21	74	48.8	49	18.89	57.9	100	0	P	H
		18000	34	-20	54	-	-	-	-	-	-	A	H
		4960	39.83	-34.17	74	57.62	31.22	10.17	59.18	100	0	P	V
		4960	15.04	-38.96	54	-	-	-	-	-	-	A	V
		7440	45.41	-28.59	74	55.1	36.3	12.39	58.38	100	0	P	V
		7440	20.62	-33.38	54	-	-	-	-	-	-	A	V
		17985	58.37	-15.63	74	48.68	48.73	18.88	57.92	100	0	P	V
		17985	33.58	-20.42	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

BT (Band Edge @ 3m)

BT	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
BT CH00 2402MHz		2366.49	44.54	-29.46	74	41.24	27.63	6.6	30.93	146	262	P	H
		2366.49	19.75	-34.25	54	-	-	-	-	-	-	A	H
	*	2402	103.74	-	-	100.49	27.5	6.66	30.91	146	262	P	H
	*	2402	78.95	-	-	-	-	-	-	-	-	A	H
													H
													H
		2329.845	44.93	-29.07	74	41.59	27.74	6.54	30.94	295	283	P	V
		2329.845	20.14	-33.86	54	-	-	-	-	-	-	A	V
	*	2402	99.88	-	-	96.63	27.5	6.66	30.91	295	283	P	V
	*	2402	75.09	-	-	-	-	-	-	-	-	A	V
													V
													V
BT CH 39 2441MHz		2349.06	44.73	-29.27	74	41.38	27.7	6.58	30.93	139	262	P	H
		2349.06	19.94	-34.06	54	-	-	-	-	-	-	A	H
	*	2441	104.61	-	-	101.28	27.5	6.72	30.89	139	262	P	H
	*	2441	79.82	-	-	-	-	-	-	-	-	A	H
		2496.43	44.76	-29.24	74	41.41	27.41	6.81	30.87	139	262	P	H
		2496.43	19.97	-34.03	54	-	-	-	-	-	-	A	H
		2368.8	44.67	-29.33	74	41.37	27.62	6.61	30.93	258	280	P	V
		2368.8	19.88	-34.12	54	-	-	-	-	-	-	A	V
	*	2441	101.65	-	-	98.32	27.5	6.72	30.89	258	280	P	V
	*	2441	76.86	-	-	-	-	-	-	-	-	A	V
		2499.51	44.48	-29.52	74	41.14	27.4	6.81	30.87	258	280	P	V
		2499.51	19.69	-34.31	54	-	-	-	-	-	-	A	V



BT CH 78 2480MHz	*	2480	102.48	-	-	99.14	27.44	6.78	30.88	100	152	P	H
	*	2480	77.69	-	-	-	-	-	-	-	-	A	H
		2483.76	45.44	-28.56	74	42.1	27.43	6.79	30.88	100	152	P	H
		2483.76	20.65	-33.35	54	-	-	-	-	-	-	A	H
													H
													H
	*	2480	100.27	-	-	96.93	27.44	6.78	30.88	400	29	P	V
	*	2480	75.48	-	-	-	-	-	-	-	-	A	V
		2483.76	44.86	-29.14	74	41.52	27.43	6.79	30.88	400	29	P	V
		2483.76	20.07	-33.93	54	-	-	-	-	-	-	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

BT (Harmonic @ 3m)

BT Ant 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
BT CH 00 2402MHz		4804	38.7	-35.3	74	56.63	31.1	10.05	59.08	100	0	P	H
		4804	13.91	-40.09	54	-	-	-	-	-	-	A	H
		18000	59.11	-14.89	74	49.12	49	18.89	57.9	100	0	P	H
		18000	34.32	-19.68	54	-	-	-	-	-	-	A	H
		4804	39.2	-34.8	74	57.13	31.1	10.05	59.08	100	0	P	V
		4804	14.41	-39.59	54	-	-	-	-	-	-	A	V
		17985	59.2	-14.8	74	49.51	48.73	18.88	57.92	100	0	P	V
		17985	34.41	-19.59	54	-	-	-	-	-	-	A	V
BT CH 39 2441MHz		4882	39.62	-34.38	74	57.6	31.04	10.11	59.13	100	0	P	H
		4882	14.83	-39.17	54	-	-	-	-	-	-	A	H
		7323	45.18	-28.82	74	55.11	36.3	12.32	58.55	100	0	P	H
		7323	20.39	-33.61	54	-	-	-	-	-	-	A	H
		17985	59.22	-14.78	74	49.53	48.73	18.88	57.92	100	0	P	H
		17985	34.43	-19.57	54	-	-	-	-	-	-	A	H
		4882	39.48	-34.52	74	57.46	31.04	10.11	59.13	100	0	P	V
		4882	14.69	-39.31	54	-	-	-	-	-	-	A	V
		7323	44.77	-29.23	74	54.7	36.3	12.32	58.55	100	0	P	V
		7323	19.98	-34.02	54	-	-	-	-	-	-	A	V
		18000	58.87	-15.13	74	48.88	49	18.89	57.9	100	0	P	V
		18000	34.08	-19.92	54	-	-	-	-	-	-	A	V



BT CH 78 2480MHz		4960	39.17	-34.83	74	56.96	31.22	10.17	59.18	100	0	P	H
		4960	14.38	-39.62	54	-	-	-	-	-	-	A	H
		7440	44.83	-29.17	74	54.52	36.3	12.39	58.38	100	0	P	H
		7440	20.04	-33.96	54	-	-	-	-	-	-	A	H
		17985	59.22	-14.78	74	49.53	48.73	18.88	57.92	100	0	P	H
		17985	34.43	-19.57	54	-	-	-	-	-	-	A	H
		4960	39.35	-34.65	74	57.14	31.22	10.17	59.18	100	0	P	V
		4960	14.56	-39.44	54	-	-	-	-	-	-	A	V
		7440	46.6	-27.4	74	56.29	36.3	12.39	58.38	100	0	P	V
		7440	21.81	-32.19	54	-	-	-	-	-	-	A	V
		18000	58.87	-15.13	74	48.88	49	18.89	57.9	100	0	P	V
		18000	34.08	-19.92	54	-	-	-	-	-	-	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



<3Mbps>

2.4GHz 2400~2483.5MHz

BT (Band Edge @ 3m)

BT Ant	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
BT CH00 2402MHz		2326.59	45.06	-28.94	74	41.71	27.75	6.54	30.94	213	64	P	H
		2326.59	20.27	-33.73	54	-	-	-	-	-	-	A	H
	*	2402	96.85	-	-	93.6	27.5	6.66	30.91	213	64	P	H
	*	2402	72.06	-	-	-	-	-	-	-	-	A	H
													H
													H
		2359.245	44.79	-29.21	74	41.47	27.66	6.59	30.93	305	78	P	V
		2359.245	20	-34	54	-	-	-	-	-	-	A	V
	*	2402	98.26	-	-	95.01	27.5	6.66	30.91	305	78	P	V
	*	2402	73.47	-	-	-	-	-	-	-	-	A	V
													V
													V
BT CH 39 2441MHz		2326.8	44.64	-29.36	74	41.29	27.75	6.54	30.94	206	62	P	H
		2326.8	19.85	-34.15	54	-	-	-	-	-	-	A	H
	*	2441	98.61	-	-	95.28	27.5	6.72	30.89	206	62	P	H
	*	2441	73.82	-	-	-	-	-	-	-	-	A	H
		2489.78	44.12	-29.88	74	40.77	27.42	6.8	30.87	206	62	P	H
		2489.78	19.33	-34.67	54	-	-	-	-	-	-	A	H
		2370.34	45.61	-28.39	74	42.3	27.62	6.61	30.92	277	80	P	V
		2370.34	20.82	-33.18	54	-	-	-	-	-	-	A	V
	*	2441	100.69	-	-	97.36	27.5	6.72	30.89	277	80	P	V
	*	2441	75.9	-	-	-	-	-	-	-	-	A	V
		2483.62	44.81	-29.19	74	41.47	27.43	6.79	30.88	277	80	P	V
		2483.62	20.02	-33.98	54	-	-	-	-	-	-	A	V



BT CH 78 2480MHz	*	2480	97.33	-	-	93.99	27.44	6.78	30.88	197	63	P	H
	*	2480	72.54	-	-	-	-	-	-	-	-	A	H
		2498.92	44.58	-29.42	74	41.24	27.4	6.81	30.87	197	63	P	H
		2498.92	19.79	-34.21	54	-	-	-	-	-	-	A	H
													H
													H
	*	2480	100.71	-	-	97.37	27.44	6.78	30.88	293	80	P	V
	*	2480	75.92	-	-	-	-	-	-	-	-	A	V
		2483.64	44.77	-29.23	74	41.43	27.43	6.79	30.88	293	80	P	V
		2483.64	19.98	-34.02	54	-	-	-	-	-	-	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

BT (Harmonic @ 3m)

BT Ant 0	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
BT CH 00 2402MHz		4804	40.92	-33.08	74	58.85	31.1	10.05	59.08	100	0	P	H
		4804	16.13	-37.87	54	-	-	-	-	-	-	A	H
		18000	58.49	-15.51	74	48.5	49	18.89	57.9	100	0	P	H
		18000	33.7	-20.3	54	-	-	-	-	-	-	A	H
		4804	40.43	-33.57	74	58.36	31.1	10.05	59.08	100	0	P	V
		4804	15.64	-38.36	54	-	-	-	-	-	-	A	V
		17985	58.84	-15.16	74	49.15	48.73	18.88	57.92	100	0	P	V
		17985	34.05	-19.95	54	-	-	-	-	-	-	A	V
BT CH 39 2441MHz		4882	40.63	-33.37	74	58.61	31.04	10.11	59.13	100	0	P	H
		4882	15.84	-38.16	54	-	-	-	-	-	-	A	H
		7323	44.42	-29.58	74	54.35	36.3	12.32	58.55	100	0	P	H
		7323	19.63	-34.37	54	-	-	-	-	-	-	A	H
		18000	59.75	-14.25	74	49.76	49	18.89	57.9	100	0	P	H
		18000	34.96	-19.04	54	-	-	-	-	-	-	A	H
		4882	39.75	-34.25	74	57.73	31.04	10.11	59.13	100	0	P	V
		4882	14.96	-39.04	54	-	-	-	-	-	-	A	V
		7323	45.05	-28.95	74	54.98	36.3	12.32	58.55	100	0	P	V
		7323	20.26	-33.74	54	-	-	-	-	-	-	A	V
		18000	58.51	-15.49	74	48.52	49	18.89	57.9	100	0	P	V
		18000	33.72	-20.28	54	-	-	-	-	-	-	A	V



BT CH 78 2480MHz		4960	42.17	-31.83	74	59.96	31.22	10.17	59.18	100	0	P	H
		4960	17.38	-36.62	54	-	-	-	-	-	-	A	H
		7440	47.8	-26.2	74	57.49	36.3	12.39	58.38	100	0	P	H
		7440	23.01	-30.99	54	-	-	-	-	-	-	A	H
		18000	59.98	-14.02	74	49.99	49	18.89	57.9	100	0	P	H
		18000	35.19	-18.81	54	-	-	-	-	-	-	A	H
		4960	41.78	-32.22	74	59.57	31.22	10.17	59.18	100	0	P	V
		4960	16.99	-37.01	54	-	-	-	-	-	-	A	V
		7440	46.31	-27.69	74	56	36.3	12.39	58.38	100	0	P	V
		7440	21.52	-32.48	54	-	-	-	-	-	-	A	V
		17985	59.53	-14.47	74	49.84	48.73	18.88	57.92	100	0	P	V
		17985	34.74	-19.26	54	-	-	-	-	-	-	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Emission above 18GHz

2.4GHz BT (SHF)

BT	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
0		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz BT SHF		21496	39.07	-34.93	74	43.78	38.3	11.69	54.7	150	0	P	H
													H
													H
													H
													H
													H
		21568	38.56	-35.44	74	43.2	38.31	11.75	54.7	150	0	P	V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Emission below 1GHz

2.4GHz BT (LF)

BT	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
0		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz BT LF		30	22.6	-17.4	40	29.83	24.59	0.67	32.49	-	-	P	H
		112.45	29.96	-13.54	43.5	43.91	17.06	1.52	32.53	-	-	P	H
		144.46	28.16	-15.34	43.5	41.74	17.21	1.71	32.5	-	-	P	H
		217.21	25.65	-20.35	46	40.91	15.04	2.13	32.43	-	-	P	H
		716.76	31.05	-14.95	46	33.16	26.71	3.63	32.45	-	-	P	H
		889.42	35.29	-10.71	46	34.01	28.83	4.13	31.68	100	0	P	H
													H
													H
													H
													H
													H
													H
													H
		38.73	33.26	-6.74	40	44.92	20.1	0.79	32.55	100	0	P	V
		112.45	29.71	-13.79	43.5	43.66	17.06	1.52	32.53	-	-	P	V
		143.49	29.65	-13.85	43.5	43.13	17.31	1.71	32.5	-	-	P	V
		217.21	24.19	-21.81	46	39.45	15.04	2.13	32.43	-	-	P	V
		720.64	32.39	-13.61	46	34.31	26.89	3.64	32.45	-	-	P	V
		955.38	33.64	-12.36	46	29.65	30.88	4.35	31.24	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



2.4GHz 2400~2483.5MHz

BT (Band Edge @ 3m)

BT	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
BT CH00 2402MHz		2351.055	44.31	-29.69	74	40.96	27.7	6.58	30.93	146	262	P	H
		2351.055	19.52	-34.48	54	-	-	-	-	-	-	A	H
	*	2402	103.96	-	-	100.71	27.5	6.66	30.91	146	262	P	H
	*	2402	79.17	-	-	-	-	-	-	-	-	A	H
													H
													H
		2347.695	44.58	-29.42	74	41.24	27.7	6.57	30.93	295	283	P	V
		2347.695	19.79	-34.21	54	-	-	-	-	-	-	A	V
	*	2402	100	-	-	96.75	27.5	6.66	30.91	295	283	P	V
	*	2402	75.21	-	-	-	-	-	-	-	-	A	V
													V
													V
BT CH 39 2441MHz		2334.5	44.51	-29.49	74	41.17	27.73	6.55	30.94	139	262	P	H
		2334.5	19.72	-34.28	54	-	-	-	-	-	-	A	H
	*	2441	104.74	-	-	101.41	27.5	6.72	30.89	139	262	P	H
	*	2441	79.95	-	-	-	-	-	-	-	-	A	H
		2490.83	44.2	-29.8	74	40.85	27.42	6.8	30.87	139	262	P	H
		2490.83	19.41	-34.59	54	-	-	-	-	-	-	A	H
		2373.98	44.76	-29.24	74	41.46	27.6	6.62	30.92	258	280	P	V
		2373.98	19.97	-34.03	54	-	-	-	-	-	-	A	V
	*	2441	101.6	-	-	98.27	27.5	6.72	30.89	258	280	P	V
	*	2441	76.81	-	-	-	-	-	-	-	-	A	V
		2497.06	43.84	-30.16	74	40.49	27.41	6.81	30.87	258	280	P	V
		2497.06	19.05	-34.95	54	-	-	-	-	-	-	A	V



BT CH 78 2480MHz	*	2480	102.52	-	-	99.18	27.44	6.78	30.88	100	152	P	H
	*	2480	77.73	-	-	-	-	-	-	-	-	A	H
		2483.56	47.01	-26.99	74	43.67	27.43	6.79	30.88	100	152	P	H
		2483.56	22.22	-31.78	54	-	-	-	-	-	-	A	H
													H
													H
	*	2480	100.41	-	-	97.07	27.44	6.78	30.88	400	29	P	V
	*	2480	75.62	-	-	-	-	-	-	-	-	A	V
		2483.72	46.17	-27.83	74	42.83	27.43	6.79	30.88	400	29	P	V
		2483.72	21.38	-32.62	54	-	-	-	-	-	-	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

BT (Harmonic @ 3m)

BT Ant 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
BT CH 00 2402MHz		4804	38.86	-35.14	74	56.79	31.1	10.05	59.08	100	0	P	H
		4804	14.07	-39.93	54	-	-	-	-	-	-	A	H
		18000	59.12	-14.88	74	49.13	49	18.89	57.9	100	0	P	H
		18000	34.33	-19.67	54	-	-	-	-	-	-	A	H
		4804	40.01	-33.99	74	57.94	31.1	10.05	59.08	100	0	P	V
		4804	15.22	-38.78	54	-	-	-	-	-	-	A	V
		18000	59.04	-14.96	74	49.05	49	18.89	57.9	100	0	P	V
		18000	34.25	-19.75	54	-	-	-	-	-	-	A	V
BT CH 39 2441MHz		4882	39.38	-34.62	74	57.36	31.04	10.11	59.13	100	0	P	H
		4882	14.59	-39.41	54	-	-	-	-	-	-	A	H
		7323	44.69	-29.31	74	54.62	36.3	12.32	58.55	100	0	P	H
		7323	19.9	-34.1	54	-	-	-	-	-	-	A	H
		17985	59.34	-14.66	74	49.65	48.73	18.88	57.92	100	0	P	H
		17985	34.55	-19.45	54	-	-	-	-	-	-	A	H
		4882	38.82	-35.18	74	56.8	31.04	10.11	59.13	100	0	P	V
		4882	14.03	-39.97	54	-	-	-	-	-	-	A	V
		7323	45.02	-28.98	74	54.95	36.3	12.32	58.55	100	0	P	V
		7323	20.23	-33.77	54	-	-	-	-	-	-	A	V
		17985	58.91	-15.09	74	49.22	48.73	18.88	57.92	100	0	P	V
		17985	34.12	-19.88	54	-	-	-	-	-	-	A	V



BT CH 78 2480MHz		4960	40.6	-33.4	74	58.39	31.22	10.17	59.18	100	0	P	H
		4960	15.81	-38.19	54	-	-	-	-	-	-	A	H
		7440	45.65	-28.35	74	55.34	36.3	12.39	58.38	100	0	P	H
		7440	20.86	-33.14	54	-	-	-	-	-	-	A	H
		17985	59.34	-14.66	74	49.65	48.73	18.88	57.92	100	0	P	H
		17985	34.55	-19.45	54	-	-	-	-	-	-	A	H
		4960	39.12	-34.88	74	56.91	31.22	10.17	59.18	100	0	P	V
		4960	14.33	-39.67	54	-	-	-	-	-	-	A	V
		7440	45.51	-28.49	74	55.2	36.3	12.39	58.38	100	0	P	V
		7440	20.72	-33.28	54	-	-	-	-	-	-	A	V
		17985	58.91	-15.09	74	49.22	48.73	18.88	57.92	100	0	P	V
		17985	34.12	-19.88	54	-	-	-	-	-	-	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Emission above 18GHz****2.4GHz BT (SHF)**

BT	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz BT SHF		21496	39.07	-34.93	74	43.78	38.3	11.69	54.7	150	0	P	H
													H
													H
													H
													H
													H
		21568	38.56	-35.44	74	43.2	38.31	11.75	54.7	150	0	P	V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Emission below 1GHz

2.4GHz BT (LF)

[illegible]



<WPC Charging Mode>

<3Mbps>

2.4GHz 2400~2483.5MHz

BT (Band Edge @ 3m)

BT Ant	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
BT CH 78 2480MHz	*	2480	100.68	-	-	97.34	27.44	6.78	30.88	100	237	P	H
	*	2480	75.89	-	-	-	-	-	-	-	-	A	H
		2483.6	47.42	-26.58	74	44.08	27.43	6.79	30.88	100	237	P	H
		2483.6	22.63	-31.37	54	-	-	-	-	-	-	A	H
													H
													H
	*	2480	99.25	-	-	95.91	27.44	6.78	30.88	326	68	P	V
	*	2480	74.46	-	-	-	-	-	-	-	-	A	V
		2483.88	45.19	-28.81	74	41.85	27.43	6.79	30.88	326	68	P	V
		2483.88	20.4	-33.6	54	-	-	-	-	-	-	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

BT (Harmonic @ 3m)

BT Ant 0	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
BT CH 78 2480MHz		4960	40.71	-33.29	74	58.5	31.22	10.17	59.18	100	0	P	H
		4960	15.92	-38.08	54	-	-	-	-	-	-	A	H
		7440	46.12	-27.88	74	55.81	36.3	12.39	58.38	100	0	P	H
		7440	21.33	-32.67	54	-	-	-	-	-	-	A	H
		17985	60.1	-13.9	74	50.41	48.73	18.88	57.92	100	0	P	H
		17985	35.31	-18.69	54	-	-	-	-	-	-	A	H
		4960	41.98	-32.02	74	59.77	31.22	10.17	59.18	100	0	P	V
		4960	17.19	-36.81	54	-	-	-	-	-	-	A	V
		7440	46.62	-27.38	74	56.31	36.3	12.39	58.38	100	0	P	V
		7440	21.83	-32.17	54	-	-	-	-	-	-	A	V
		18000	59.11	-14.89	74	49.12	49	18.89	57.9	100	0	P	V
		18000	34.32	-19.68	54	-	-	-	-	-	-	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Emission above 18GHz

2.4GHz BT (SHF)

BT	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
0		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz BT SHF		22392	39.29	-34.71	74	42.61	38.95	12.27	54.54	150	0	P	H
													H
													H
													H
													H
													H
		21768	39.36	-34.64	74	43.77	38.35	11.94	54.7	150	0	P	V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Emission below 1GHz

2.4GHz BT (LF)

BT	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
0		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz BT LF		30.97	21.64	-18.36	40	29.25	24.21	0.68	32.5	-	-	P	H
		108.57	29.45	-14.05	43.5	43.7	16.78	1.49	32.52	-	-	P	H
		153.19	28.67	-14.83	43.5	42.51	16.89	1.77	32.5	-	-	P	H
		217.21	27.21	-18.79	46	42.47	15.04	2.13	32.43	-	-	P	H
		720.64	31.65	-14.35	46	33.57	26.89	3.64	32.45	-	-	P	H
		888.45	32.51	-13.49	46	31.23	28.84	4.13	31.69	100	0	P	H
													H
													H
													H
													H
													H
													H
		40.67	32.96	-7.04	40	45.58	19.12	0.82	32.56	100	0	P	V
		107.6	28.21	-15.29	43.5	42.5	16.75	1.48	32.52	-	-	P	V
		144.46	30.67	-12.83	43.5	44.25	17.21	1.71	32.5	-	-	P	V
		324.88	24.82	-21.18	46	35.22	19.63	2.48	32.51	-	-	P	V
		720.64	33.38	-12.62	46	35.3	26.89	3.64	32.45	-	-	P	V
		893.3	34.22	-11.78	46	32.89	28.85	4.14	31.66	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Note symbol

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

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

BT	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
0		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
BT CH 00 2402MHz		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBμV/m) =
Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
3. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)
= 55.45 (dBμV/m)
2. Over Limit(dB)
= Level(dBμV/m) – Limit Line(dBμV/m)
= 55.45(dBμV/m) – 74(dBμV/m)
= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)
= 43.54 (dBμV/m)
2. Over Limit(dB)
= Level(dBμV/m) – Limit Line(dBμV/m)
= 43.54(dBμV/m) – 54(dBμV/m)
= -10.46(dB)

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



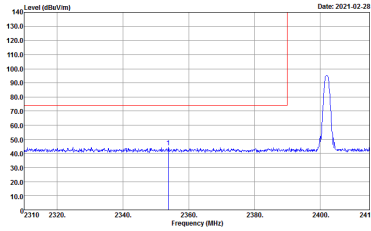
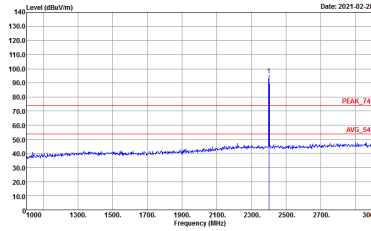
Appendix D. Radiated Spurious Emission Plots

Test Engineer :	Leo Lee, Mancy Chou and Bigshow Wang	Temperature :	22.1~23.1°C
		Relative Humidity :	55~60%

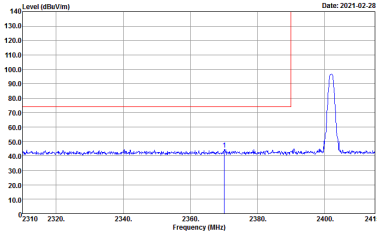
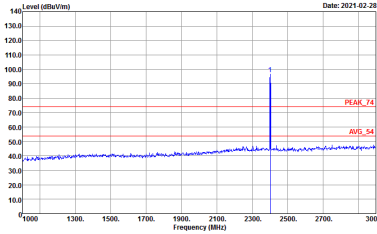
<1Mbps>

2.4GHz 2400~2483.5MHz

BT (Band Edge @ 3m)

BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH00 2402MHz	
0	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH00 2402MHz	
0	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_96_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH39 2441MHz	
0	Horizontal	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH39 2441MHz	
0	Vertical	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH78 2480MHz	
0	Horizontal	Fundamental
Peak	Level (dBm/Vm) Date: 2021-02-28 Frequency (MHz) Site : 03CH15-HY Condition : PEAK_BF_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Level (dBm/Vm) Date: 2021-02-28 Frequency (MHz) Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto

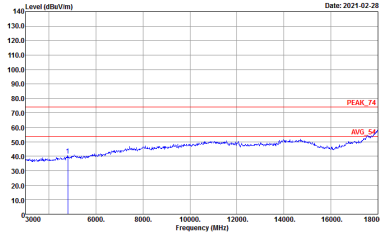
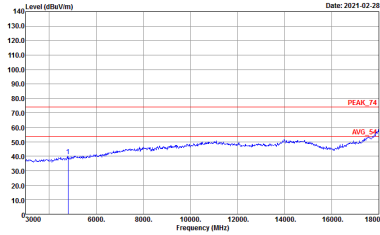


BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH78 2480MHz	
0	Vertical	Fundamental
Peak	Level (dBuV/m) Date: 2021-02-28 Frequency (MHz) Site : 03CH15-HY Condition : PEAK_BF_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Level (dBuV/m) Date: 2021-02-28 Frequency (MHz) Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto



2.4GHz 2400~2483.5MHz

BT (Harmonic @ 3m)

BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH00 2402MHz	
0	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL



BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH39 2441MHz	
0	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2021-02-28 Site : 03CH15-HY Condition : PEAK_74 3m 9120D_15_1620 HORIZONTAL	Level (dBuV/m) Date: 2021-02-28 Site : 03CH15-HY Condition : PEAK_74 3m 9120D_15_1620 VERTICAL

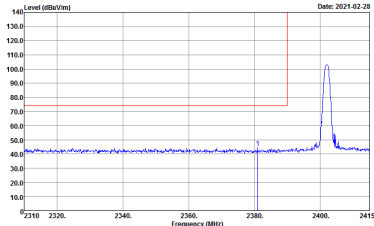
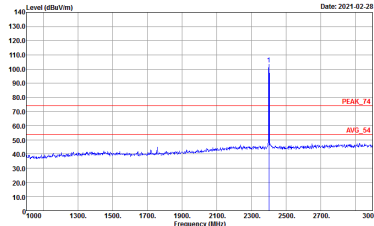


BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH78 2480MHz	
0	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2021-02-28 Site : 03CH15-HY Condition : PEAK_74 3m 9120D_15_1620 HORIZONTAL	Level (dBuV/m) Date: 2021-02-28 Site : 03CH15-HY Condition : PEAK_74 3m 9120D_15_1620 VERTICAL



2.4GHz 2400~2483.5MHz

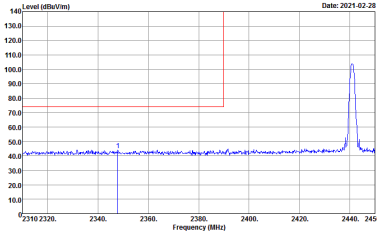
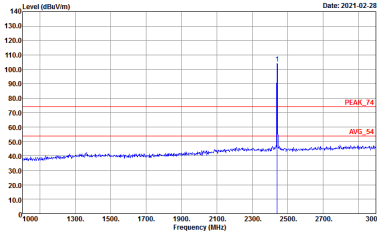
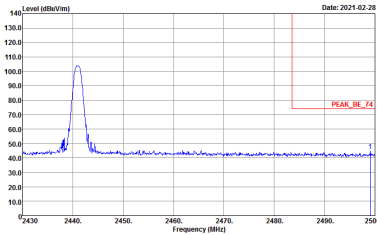
BT (Band Edge @ 3m)

BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH00 2402MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HV Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH00 2402MHz	
1	Vertical	Fundamental
Peak	Level (dBuV/m) Date: 2021-02-28 Frequency (MHz) Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Level (dBuV/m) Date: 2021-02-28 Frequency (MHz) Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH39 2441MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH39 2441MHz	
1	Vertical	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH78 2480MHz	
1	Horizontal	Fundamental
Peak	Level (dBuV/m) Date: 2021-02-28 Frequency (MHz) Site : 03CH15-HY Condition : PEAK_BF_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Level (dBuV/m) Date: 2021-02-28 Frequency (MHz) Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto

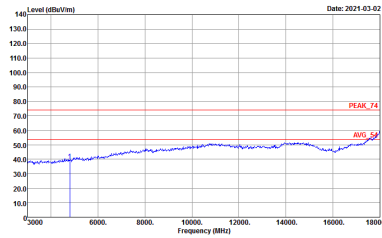
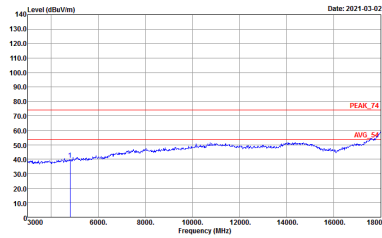


BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH78 2480MHz	
1	Vertical	Fundamental
Peak	Level (dBuV/m) Date: 2021-02-28 2460 2463.2465 2467 2469 2471 2473 2475 2477 2479 2481 2483 2485 2487 2489 2491 2493 2495 2497 2500 Frequency (MHz) Site : 03CH15-HY Condition : PEAK_BF_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Level (dBuV/m) Date: 2021-02-28 1900 1950 2000 2050 2100 2150 2200 2250 2300 2350 2400 2450 2500 2550 2600 2650 2700 2750 2800 2850 2900 3000 Frequency (MHz) Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto



2.4GHz 2400~2483.5MHz

BT (Harmonic @ 3m)

BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH00 2402MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL



BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH39 2441MHz	
1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2021-03-02 Site : 03CH15-HY Condition : PEAK_74 3m 9120D_15_1620 HORIZONTAL	Level (dBuV/m) Date: 2021-03-02 Site : 03CH15-HY Condition : PEAK_74 3m 9120D_15_1620 VERTICAL



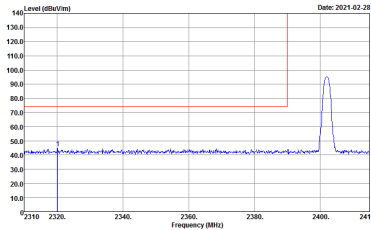
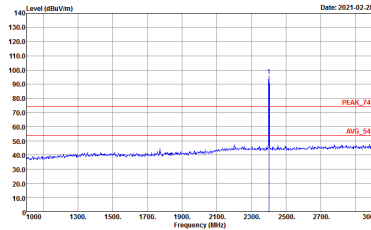
BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH78 2480MHz	
1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2021-03-02 Site : 03CH15-HY Condition : PEAK_74 3m 9120D_15_1620 HORIZONTAL	Level (dBuV/m) Date: 2021-03-02 Site : 03CH15-HY Condition : PEAK_74 3m 9120D_15_1620 VERTICAL



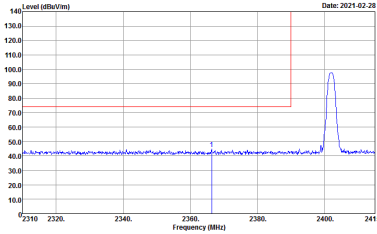
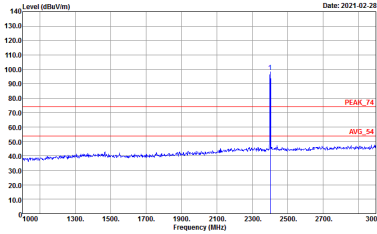
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2.4GHz 2400~2483.5MHz

BT (Band Edge @ 3m)

BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH00 2402MHz	
0	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH15-HV Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH00 2402MHz	
0	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_96_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH39 2441MHz	
0	Horizontal	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH39 2441MHz	
0	Vertical	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH78 2480MHz	
0	Horizontal	Fundamental
Peak	Level (dBm/Vm) Date: 2021-02-28 Frequency (MHz) Site : 03CH15-HY Condition : PEAK_BF_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Level (dBm/Vm) Date: 2021-02-28 Frequency (MHz) Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto

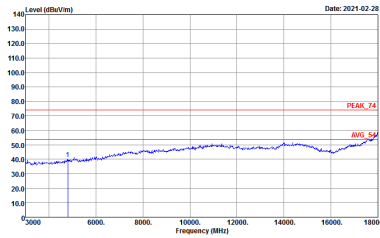
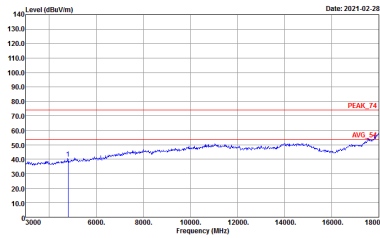


BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH78 2480MHz	
0	Vertical	Fundamental
Peak	Level (dBuV/m) Date: 2021-02-28 Frequency (MHz) Site : 03CH15-HY Condition : PEAK_BF_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Level (dBuV/m) Date: 2021-02-28 Frequency (MHz) Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto



2.4GHz 2400~2483.5MHz

BT (Harmonic @ 3m)

BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH00 2402MHz	
0	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL



BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH39 2441MHz	
0	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2021-02-28 Site : 03CH15-HY Condition : PEAK_74 3m 9120D_15_1620 HORIZONTAL	Level (dBuV/m) Date: 2021-02-28 Site : 03CH15-HY Condition : PEAK_74 3m 9120D_15_1620 VERTICAL

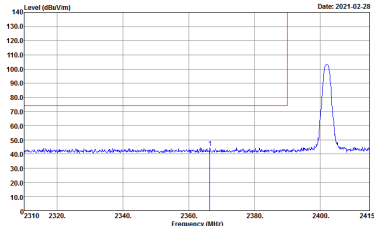
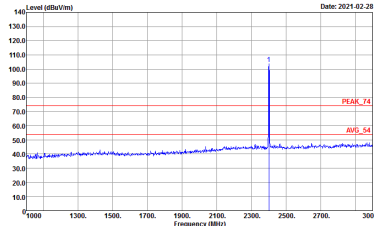


BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH78 2480MHz	
0	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2021-02-28 Site : 03CH15-HY Condition : PEAK_74 3m 9120D_15_1620 HORIZONTAL	Level (dBuV/m) Date: 2021-02-28 Site : 03CH15-HY Condition : PEAK_74 3m 9120D_15_1620 VERTICAL

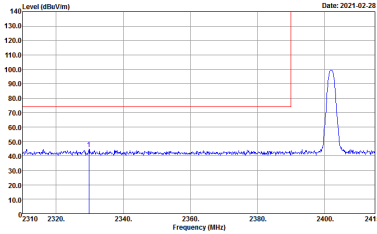
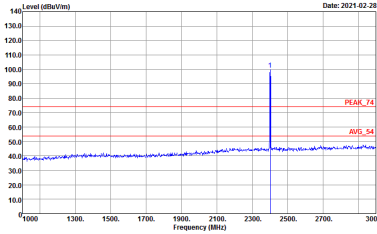


2.4GHz 2400~2483.5MHz

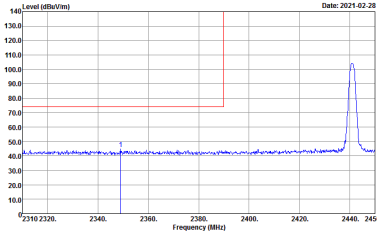
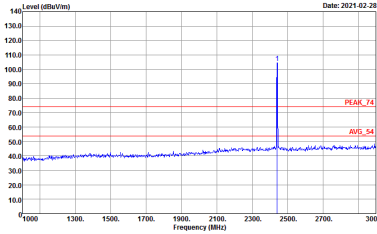
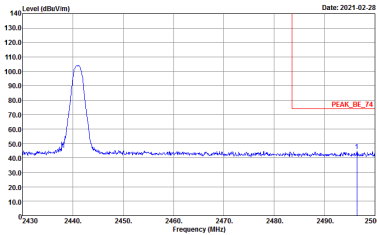
BT (Band Edge @ 3m)

BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH00 2402MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HV Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH00 2402MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH39 2441MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH39 2441MHz	
1	Vertical	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH78 2480MHz	
1	Horizontal	Fundamental
Peak	Level (dBuV/m) Date: 2021-02-28 Frequency (MHz) Site : 03CH15-HY Condition : PEAK_BF_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Level (dBuV/m) Date: 2021-02-28 Frequency (MHz) Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto

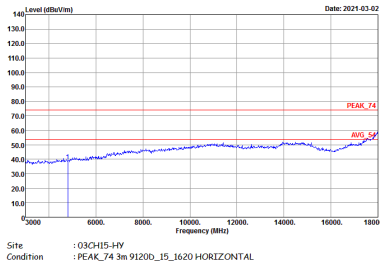
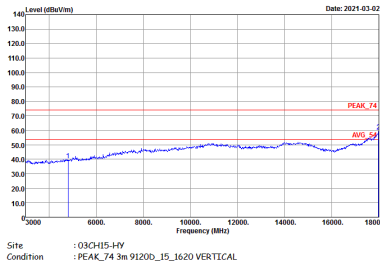


BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH78 2480MHz	
1	Vertical	Fundamental
Peak	Level (dBuV/m) Date: 2021-02-28 2460 2463.2465 2467 2469 2471 2473 2475 2477 2479 2481 2483 2485 2487 2489 2491 2493 2495 2497 2500 Frequency (MHz) Site : 03CH15-HY Condition : PEAK_BF_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Level (dBuV/m) Date: 2021-02-28 1900 1930 1960 1990 2020 2050 2080 2110 2140 2170 2200 2230 2260 2290 2320 2350 2380 2410 2440 2470 2500 2530 2560 2590 2620 2650 2680 2710 2740 2770 2800 2830 2860 2890 2920 2950 2980 3000 Frequency (MHz) Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto



2.4GHz 2400~2483.5MHz

BT (Harmonic @ 3m)

BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH00 2402MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL



BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH39 2441MHz	
1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2021-03-02 Site : 03CH15-HY Condition : PEAK_74 3m 9120D_15_1620 HORIZONTAL	Level (dBuV/m) Date: 2021-03-02 Site : 03CH15-HY Condition : PEAK_74 3m 9120D_15_1620 VERTICAL



BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH78 2480MHz	
1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2021-03-02 Site : 03CH15-HY Condition : PEAK_74 3m 9120D_15_1620 HORIZONTAL	Level (dBuV/m) Date: 2021-03-02 Site : 03CH15-HY Condition : PEAK_74 3m 9120D_15_1620 VERTICAL



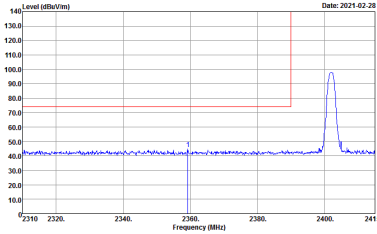
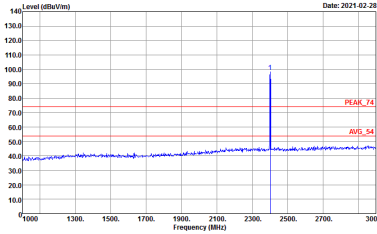
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2.4GHz 2400~2483.5MHz

BT (Band Edge @ 3m)

BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH00 2402MHz	
0	Horizontal	Fundamental
Peak	Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HV Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto

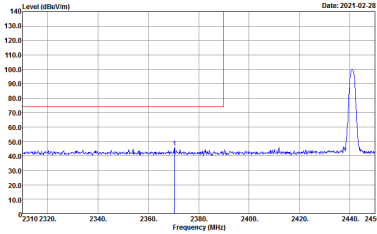
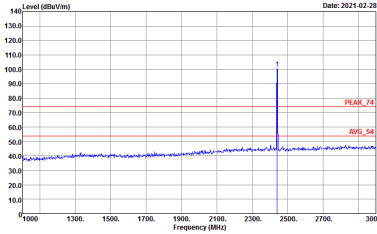
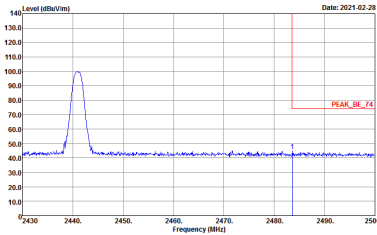


BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH00 2402MHz	
0	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_96_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH39 2441MHz	
0	Horizontal	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH39 2441MHz	
0	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH78 2480MHz	
0	Horizontal	Fundamental
Peak	Level (dBuV/m) Date: 2021-02-28 2460 2463.2465 2467 2469 2471 2473 2475 2477 2479 2481 2483 2485 2487 2489 2491 2493 2495 2497 2500 Frequency (MHz) Site : 03CH15-HY Condition : PEAK_BF_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Level (dBuV/m) Date: 2021-02-28 1900 1950 2000 2050 2100 2150 2200 2250 2300 2350 2400 2450 2500 2550 2600 2650 2700 2750 2800 2850 2900 2950 3000 Frequency (MHz) Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto

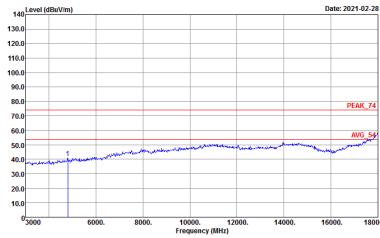
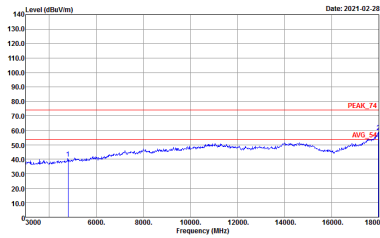


BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH78 2480MHz	
0	Vertical	Fundamental
Peak	Level (dBuV/m) Date: 2021-02-28 PEAK_BF_74 Site : 03CH15-HY Condition : PEAK_BF_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Level (dBuV/m) Date: 2021-02-28 PEAK_74 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto



2.4GHz 2400~2483.5MHz

BT (Harmonic @ 3m)

BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH00 2402MHz	
0	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL



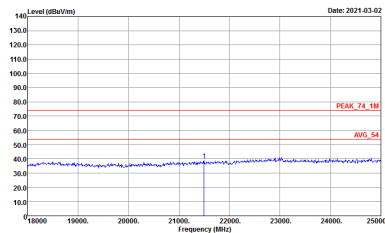
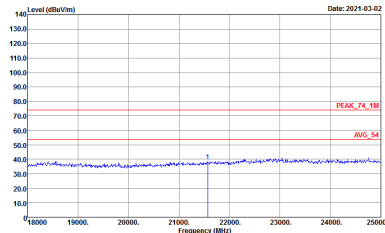
BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH39 2441MHz	
0	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2021-02-28 Site : 03CH15-HY Condition : PEAK_74 3m 9120D_15_1620 HORIZONTAL	Level (dBuV/m) Date: 2021-02-28 Site : 03CH15-HY Condition : PEAK_74 3m 9120D_15_1620 VERTICAL



BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH78 2480MHz	
0	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2021-02-28 Site : 03CH15-1FY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Level (dBuV/m) Date: 2021-02-28 Site : 03CH15-1FY Condition : PEAK_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto



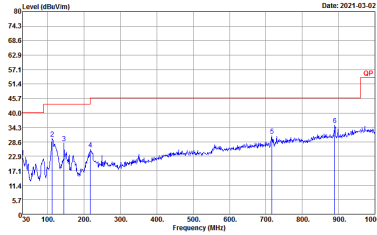
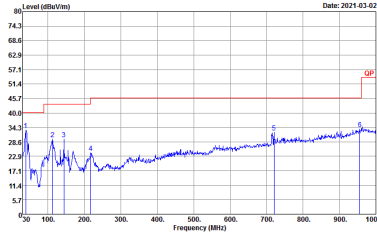
Emission above 18GHz
2.4GHz BT (SHF)

BT	2.4GHz 2400~2483.5MHz	
ANT	BT SHF	
0	Horizontal	Vertical
QP / Peak	 Site : 03CHI6-HY Condition : PEAK_74_1M 1m SHF HORN 88HA9170576 HORIZONTAL	 Site : 03CHI6-HY Condition : PEAK_74_1M 1m SHF HORN 88HA9170576 VERTICAL



Emission below 1GHz

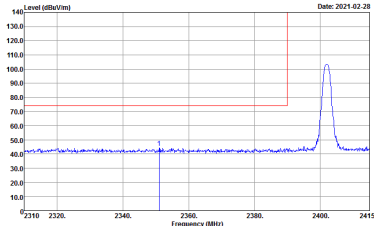
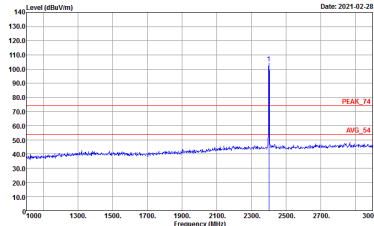
2.4GHz BT (LF)

BT	2.4GHz 2400~2483.5MHz	
ANT	BT LF	
0	Horizontal	Vertical
QP / Peak	 Site : Condition : QP 3m BILOG_41912_20210208 HORIZONTAL	 Site : Condition : QP 3m BILOG_41912_20210208 VERTICAL

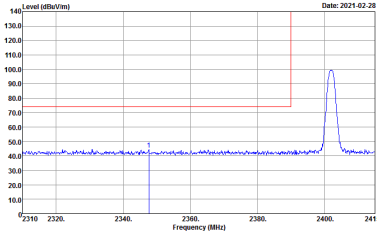
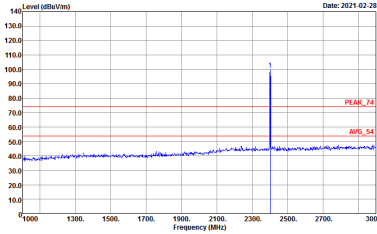


2.4GHz 2400~2483.5MHz

BT (Band Edge @ 3m)

BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH00 2402MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH15-HV Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

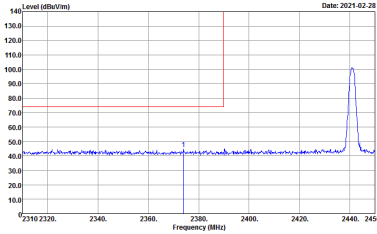
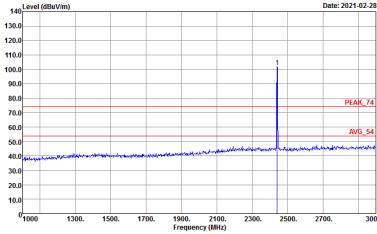
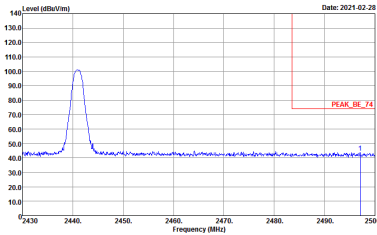


BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH00 2402MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_96_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH39 2441MHz	
1	Horizontal	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH39 2441MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH78 2480MHz	
1	Horizontal	Fundamental
Peak	Level (dBuV/m) Date: 2021-02-28 PEAK_BF_74 Site : 03CH15-HY Condition : PEAK_BF_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Level (dBuV/m) Date: 2021-02-28 PEAK_74 NOISE_54 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto

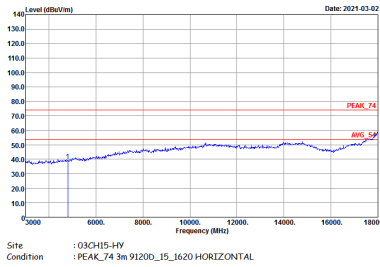
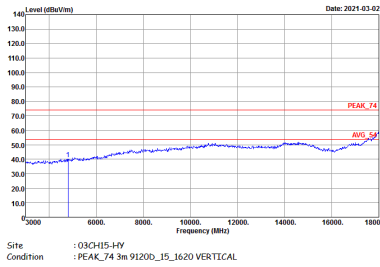


BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH78 2480MHz	
1	Vertical	Fundamental
Peak	Level (dBuV/m) Date: 2021-02-28 Frequency (MHz) Site : 03CH15-HY Condition : PEAK_BF_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Level (dBuV/m) Date: 2021-02-28 Frequency (MHz) Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto



2.4GHz 2400~2483.5MHz

BT (Harmonic @ 3m)

BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH00 2402MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL



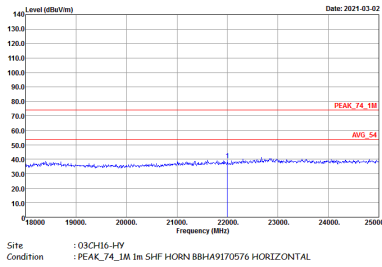
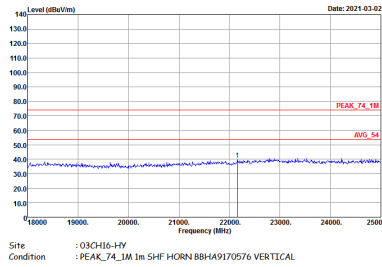
BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH39 2441MHz	
1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2021-03-02 Site : 03CH15-HY Condition : PEAK_74 3m 9120D_15_1620 HORIZONTAL	Level (dBuV/m) Date: 2021-03-02 Site : 03CH15-HY Condition : PEAK_74 3m 9120D_15_1620 VERTICAL



BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH78 2480MHz	
1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2021-03-02 Site : 03CH15-HY Condition : PEAK_74 3m 9120D_15_1620 HORIZONTAL	Level (dBuV/m) Date: 2021-03-02 Site : 03CH15-HY Condition : PEAK_74 3m 9120D_15_1620 VERTICAL



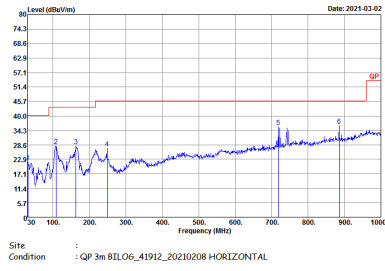
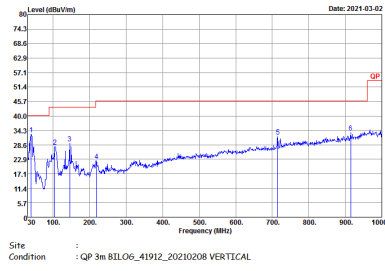
Emission above 18GHz
2.4GHz BT (SHF)

BT	2.4GHz 2400~2483.5MHz	
ANT	BT SHF	
1	Horizontal	Vertical
QP / Peak	 Site : 03CH16-HY Condition : PEAK_74_1M 1m SHF HORN 88HA9170576 HORIZONTAL	 Site : 03CH16-HY Condition : PEAK_74_1M 1m SHF HORN 88HA9170576 VERTICAL



Emission below 1GHz

2.4GHz BT (LF)

BT	2.4GHz 2400~2483.5MHz	
ANT	BT LF	
1	Horizontal	Vertical
QP / Peak	 Site : QP 3m BIL06_41912_20210208 HORIZONTAL	 Site : QP 3m BIL06_41912_20210208 VERTICAL

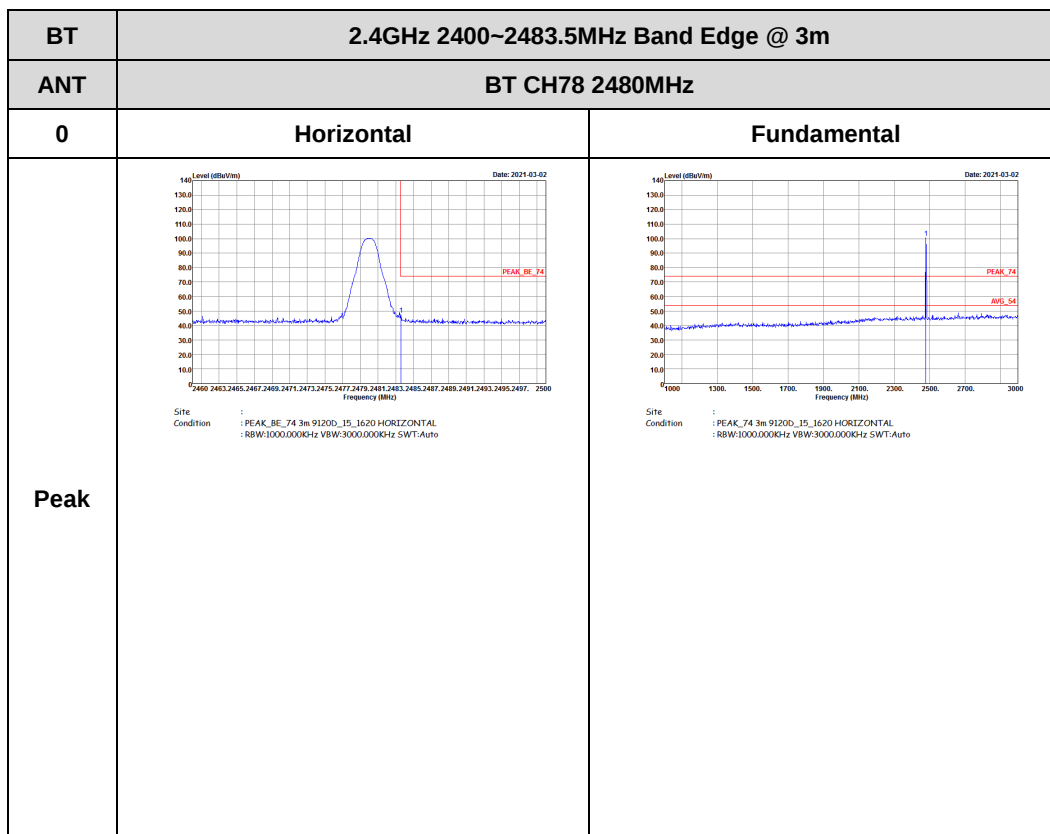


<WPC Charging Mode>

<3Mbps>

2.4GHz 2400~2483.5MHz

BT (Band Edge @ 3m)



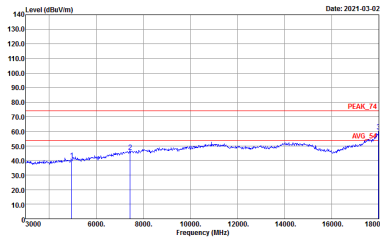
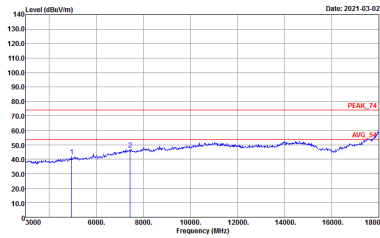


BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH78 2480MHz	
0	Vertical	Fundamental
Peak	Level (dBuV/m) Date: 2021-03-02 2460 2463.2465.2467.2469.2471.2473.2475.2477.2479.2481.2483.2485.2487.2489.2491.2493.2495.2497. 2500 Frequency (MHz) Site : Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Level (dBuV/m) Date: 2021-03-02 1900 1950 2000 2050 2100 2150 2200 2250 2300 2350 2400 2450 2500 2550 2600 2650 2700 2750 2800 2850 2900 2950 3000 Frequency (MHz) Site : Condition : PEAK_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto



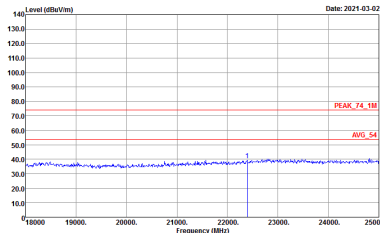
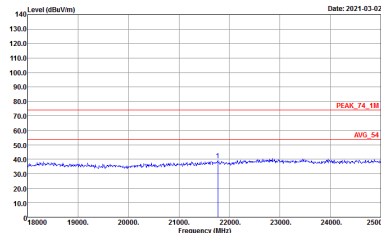
2.4GHz 2400~2483.5MHz

BT (Harmonic @ 3m)

BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH78 2480MHz	
0	Horizontal	Vertical
Peak Avg.	 Site : Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL	 Site : Condition : PEAK_74 3m 91200_15_1620 VERTICAL



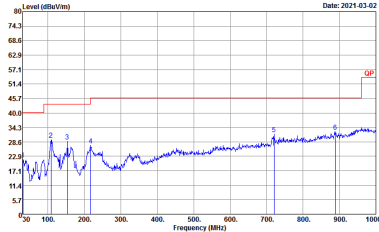
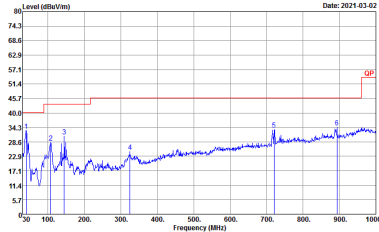
Emission above 18GHz
2.4GHz BT (SHF)

BT	2.4GHz 2400~2483.5MHz	
ANT	BT SHF	
0	Horizontal	Vertical
QP / Peak	 Site : 03CH16-HY Condition : PEAK_74_1M 1m SHF HORN 88HA9170576 HORIZONTAL	 Site : 03CH16-HY Condition : PEAK_74_1M 1m SHF HORN 88HA9170576 VERTICAL



Emission below 1GHz

2.4GHz BT (LF)

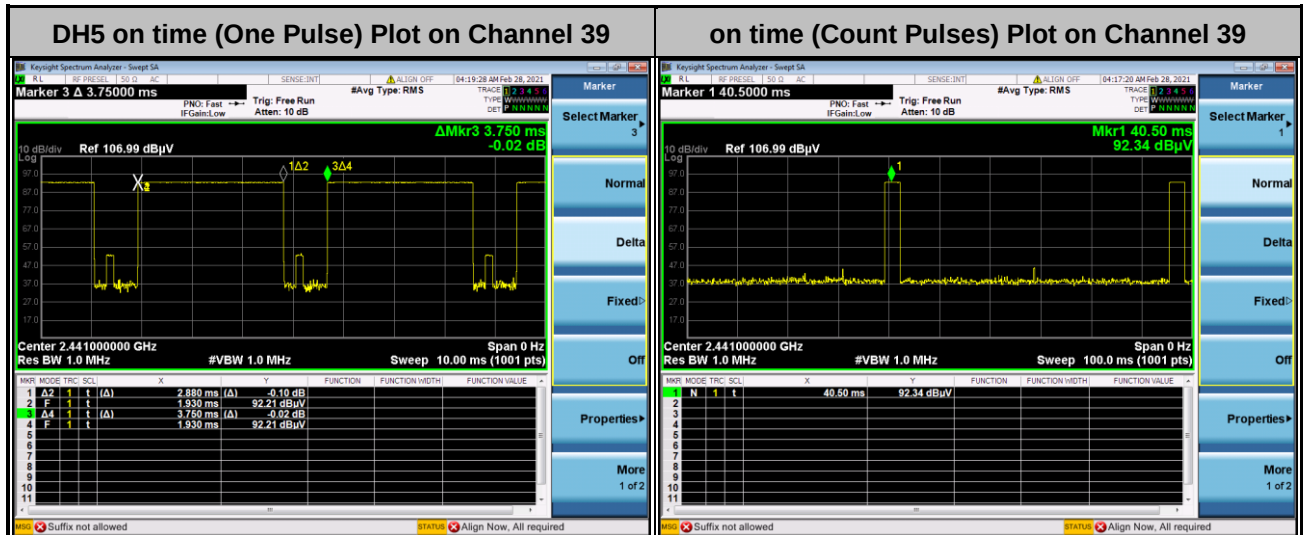
BT	2.4GHz 2400~2483.5MHz	
ANT	BT LF	
0	Horizontal	Vertical
QP / Peak	 Site : Condition : QP 3m BILOG_41912_20210208 HORIZONTAL	 Site : Condition : QP 3m BILOG_41912_20210208 VERTICAL



Appendix E. Duty Cycle Plots

<Ant. 0>

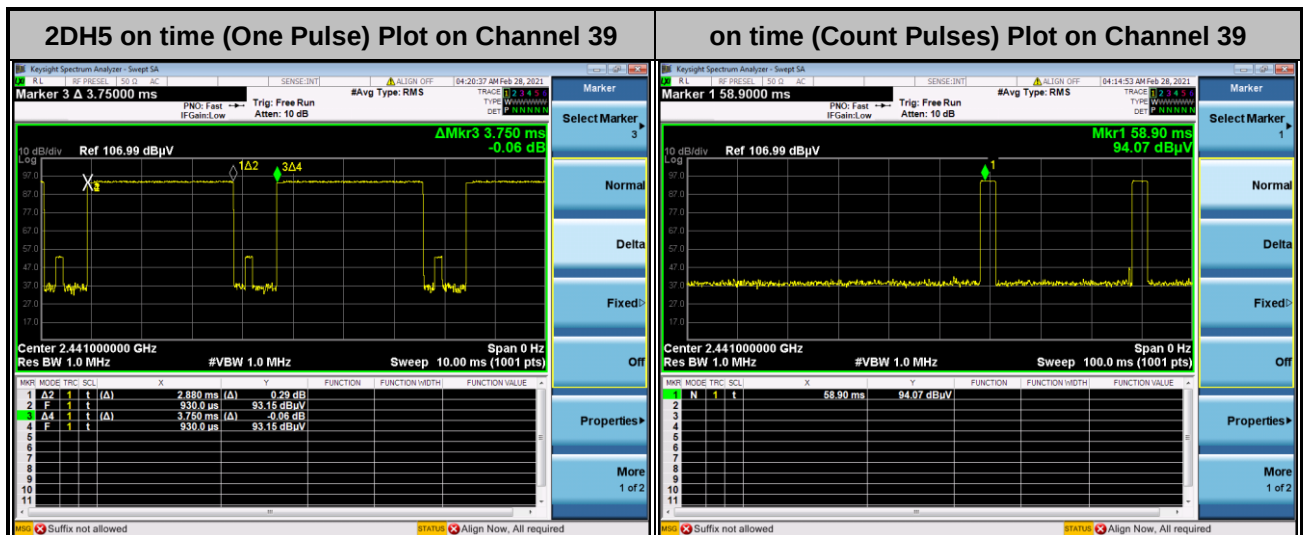
<1Mbps>



Note:

1. Worst case Duty cycle = on time/100 milliseconds = $2 * 2.88 / 100 = 5.76 \%$
2. Worst case Duty cycle correction factor = $20 * \log(\text{Duty cycle}) = -24.79 \text{ dB}$
3. DH5 has the highest duty cycle worst case and is reported.

<2Mbps>

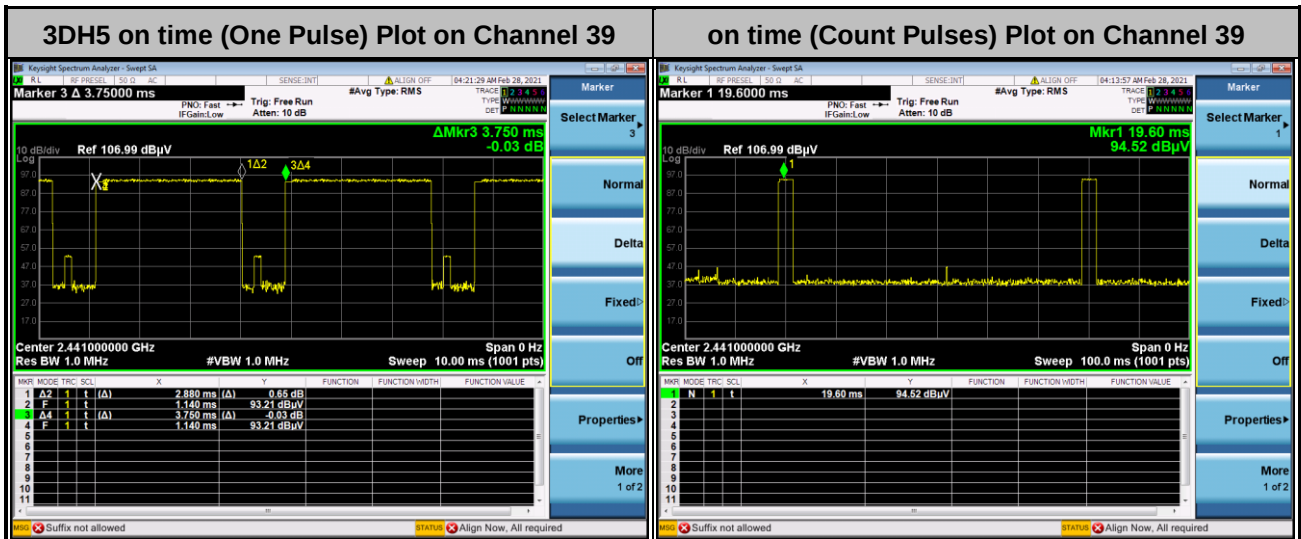


Note:

1. Worst case Duty cycle = on time/100 milliseconds = $2 * 2.88 / 100 = 5.76 \%$
2. Worst case Duty cycle correction factor = $20 * \log(\text{Duty cycle}) = -24.79 \text{ dB}$
3. 2DH5 has the highest duty cycle worst case and is reported.



<3Mbps>



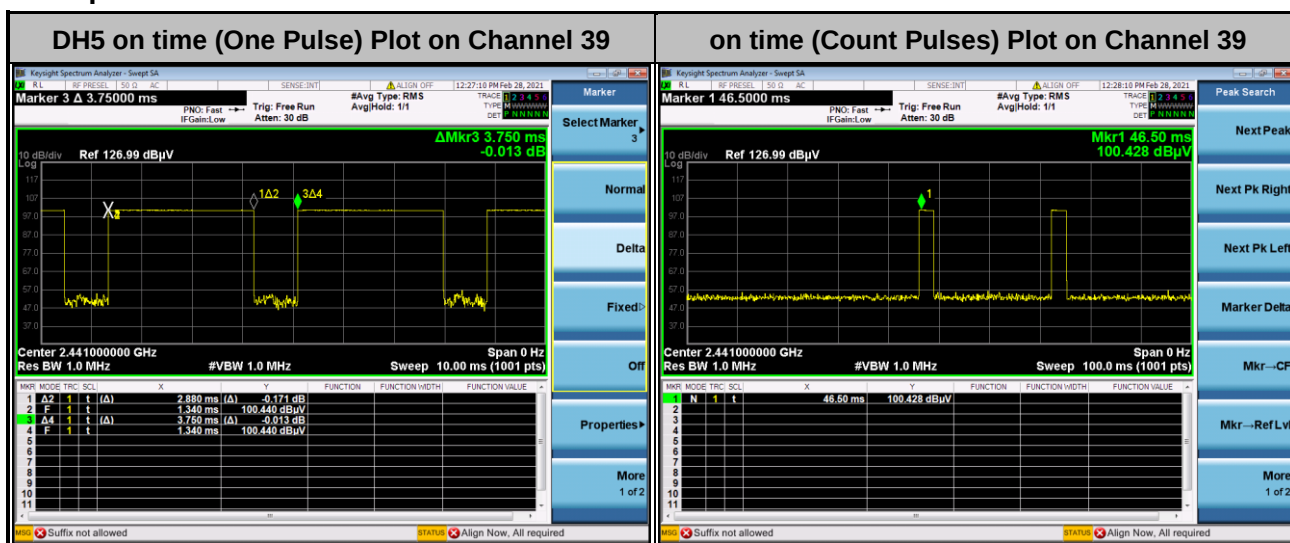
Note:

1. Worst case Duty cycle = on time/100 milliseconds = $2 * 2.88 / 100 = 5.76 \%$
2. Worst case Duty cycle correction factor = $20 * \log(\text{Duty cycle}) = -24.79 \text{ dB}$
3. 3DH5 has the highest duty cycle worst case and is reported.



<Ant. 1>

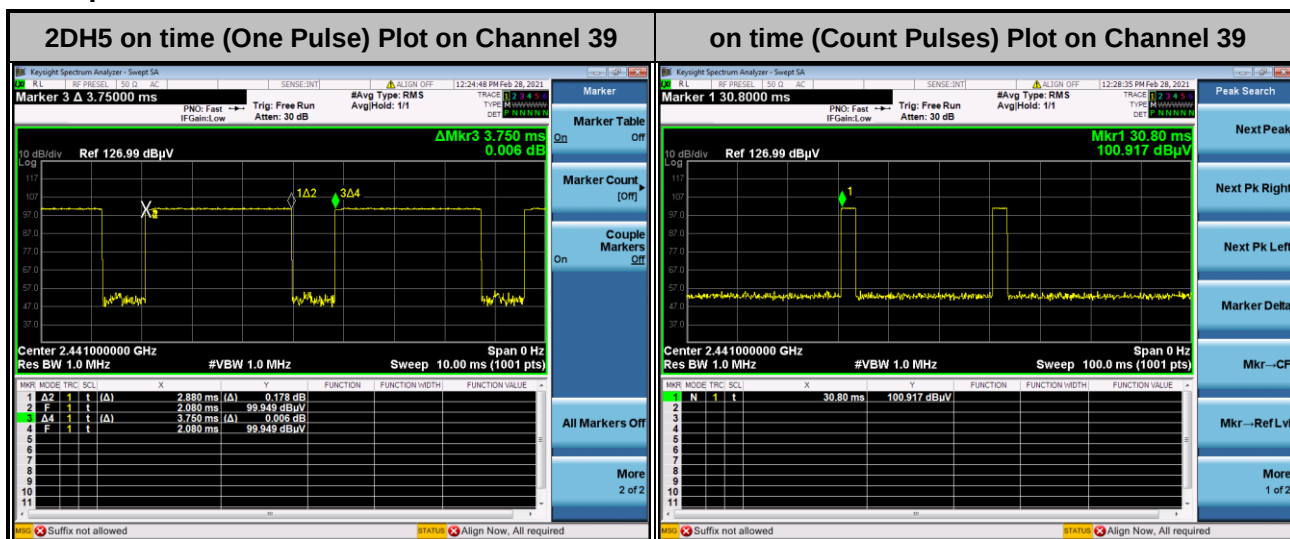
<1Mbps>



Note:

1. Worst case Duty cycle = on time/100 milliseconds = $2 * 2.88 / 100 = 5.76 \%$
2. Worst case Duty cycle correction factor = $20 * \log(\text{Duty cycle}) = -24.79 \text{ dB}$
3. DH5 has the highest duty cycle worst case and is reported.

<2Mbps>

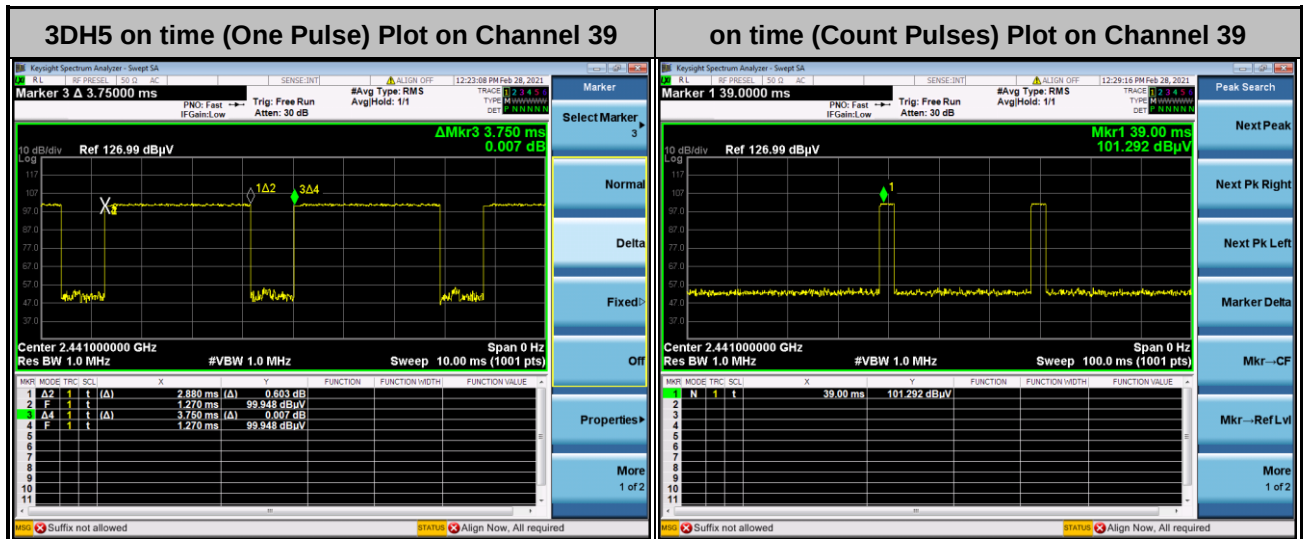


Note:

1. Worst case Duty cycle = on time/100 milliseconds = $2 * 2.88 / 100 = 5.76 \%$
2. Worst case Duty cycle correction factor = $20 * \log(\text{Duty cycle}) = -24.79 \text{ dB}$
3. 2DH5 has the highest duty cycle worst case and is reported.



<3Mbps>

**Note:**

1. Worst case Duty cycle = on time/100 milliseconds = $2 \times 2.88 / 100 = 5.76 \%$
2. Worst case Duty cycle correction factor = $20 \times \log(\text{Duty cycle}) = -24.79 \text{ dB}$
3. 3DH5 has the highest duty cycle worst case and is reported.

Duty Cycle Correction Factor Consideration for AFH mode:

Bluetooth normal hopping rate is 1600Hz and reduced to 800Hz in AFH mode; due to the reduced number of hopping frequencies, with the same packet configuration the dwell time in each channel frequency within 100msec period is longer in AFH mode than normal mode.

In AFH mode, the minimum hopping frequencies are 20, to get the longest dwell time DH5 packet is observed; the period to have DH5 packet completing one hopping sequence is

$$2.88 \text{ ms} \times 20 \text{ channels} = 57.6 \text{ ms}$$

There cannot be 2 complete hopping sequences within 100ms period, considering the random hopping behavior, maximum 2 hops can be possibly observed within the period. $[100 \text{ ms} / 57.6 \text{ ms}] = 2 \text{ hops}$

Thus, the maximum possible ON time:

$$2.88 \text{ ms} \times 2 = 5.76 \text{ ms}$$

Worst case Duty Cycle Correction factor, which is derived from the maximum possible ON time,

$$20 \times \log(5.76 \text{ ms}/100 \text{ ms}) = -24.79 \text{ dB}$$

—————THE END—————