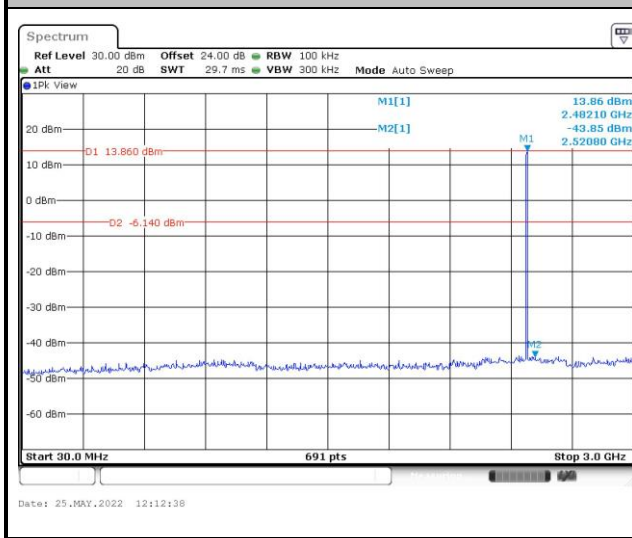
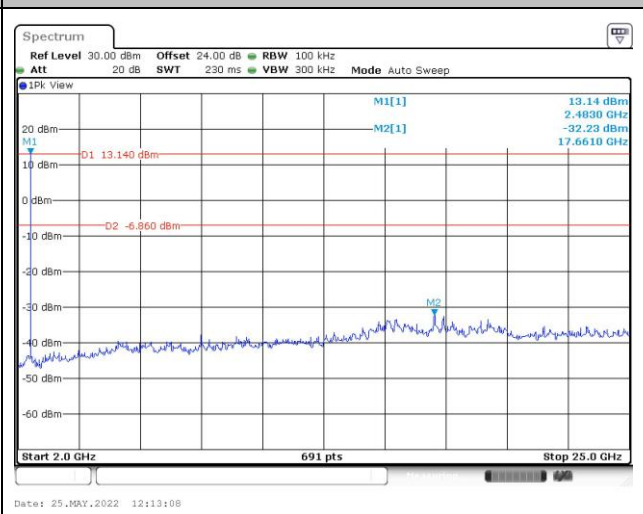




CSE Plot on CH 78 between 30 MHz ~ 3 GHz

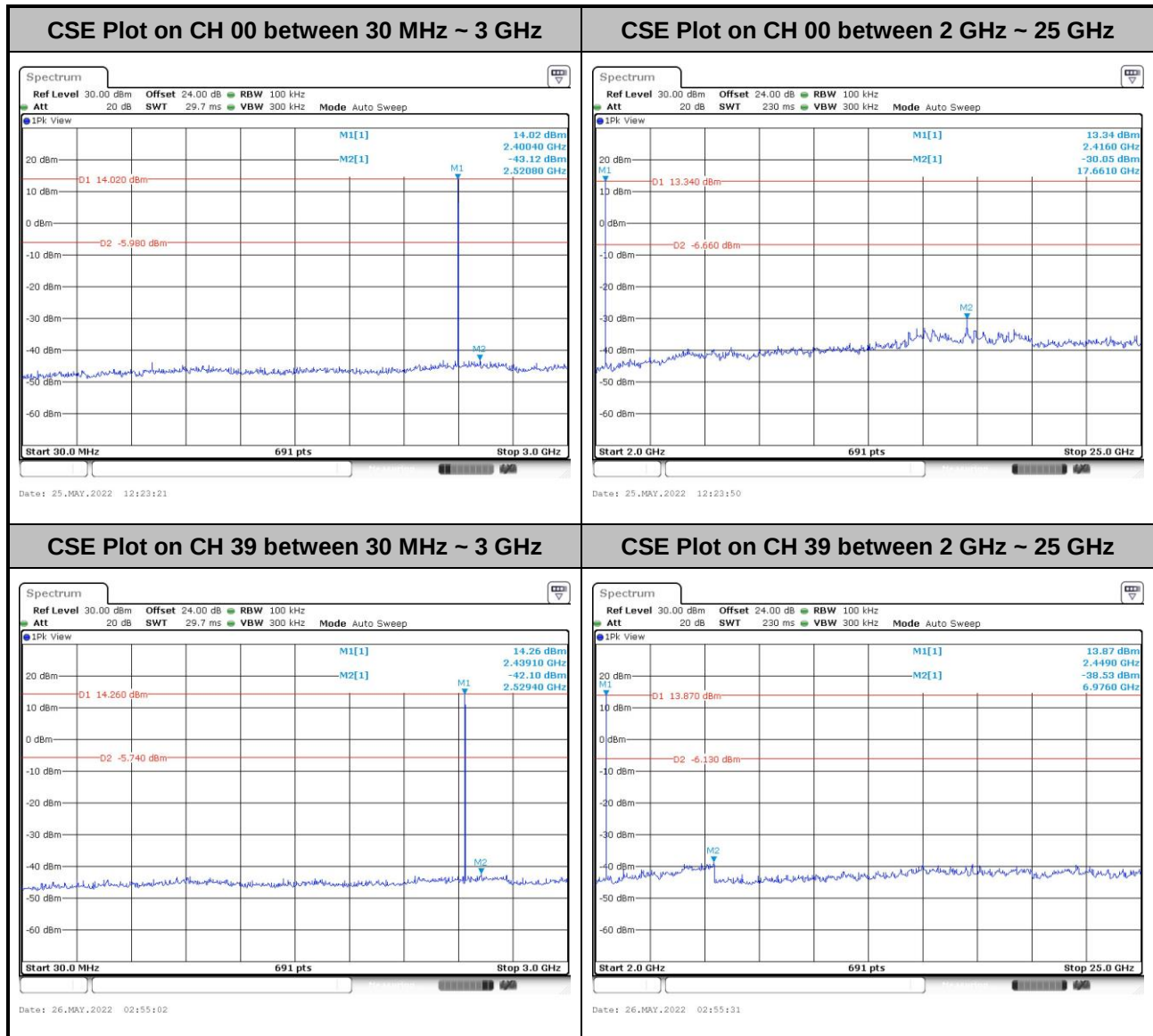


CSE Plot on CH 78 between 2 GHz ~ 25 GHz



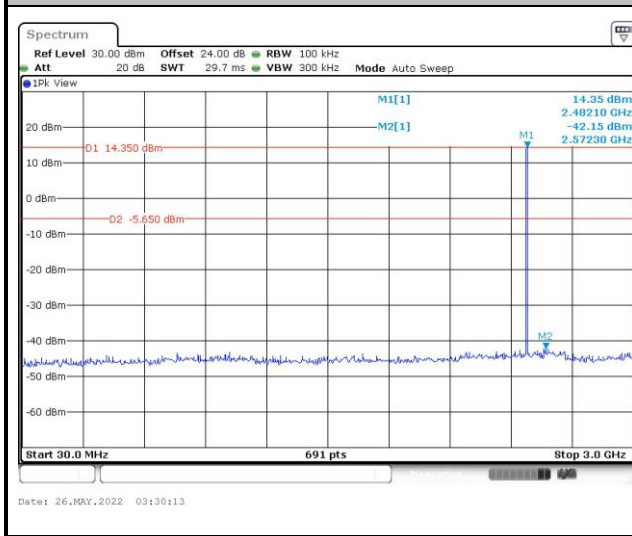


<3Mbps>

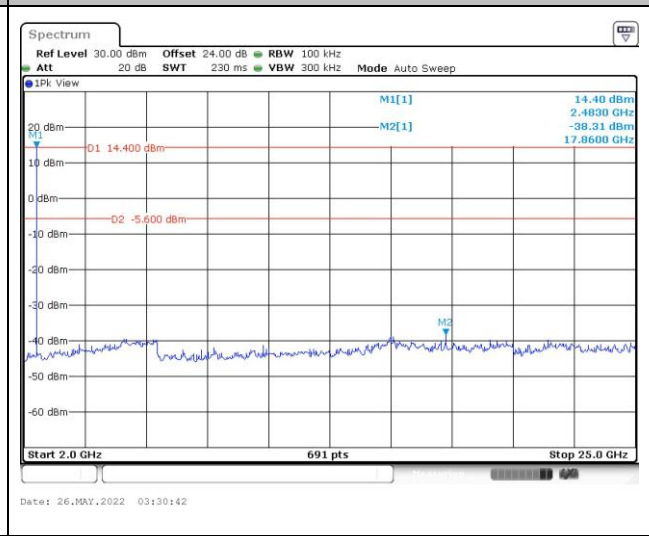




CSE Plot on CH 78 between 30 MHz ~ 3 GHz



CSE Plot on CH 78 between 2 GHz ~ 25 GHz

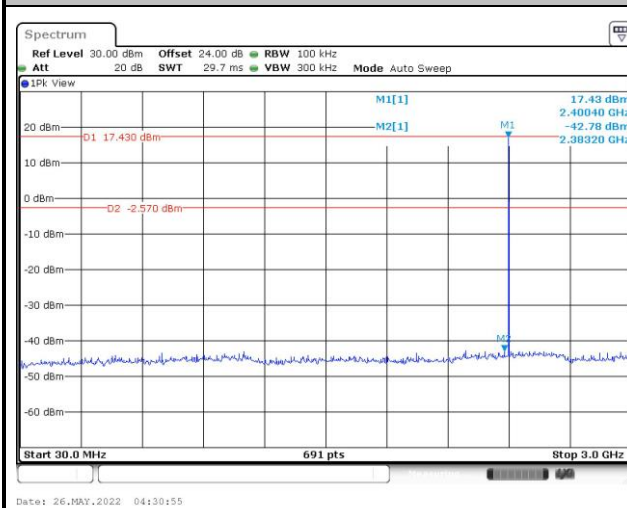




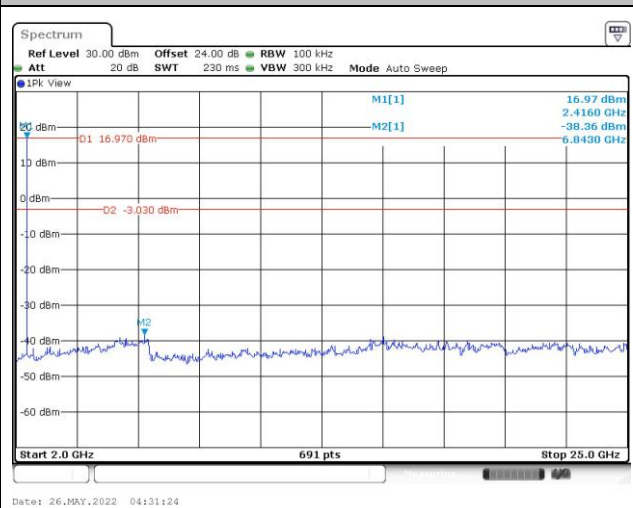
MIMO <Ant. 3>

<1Mbps>

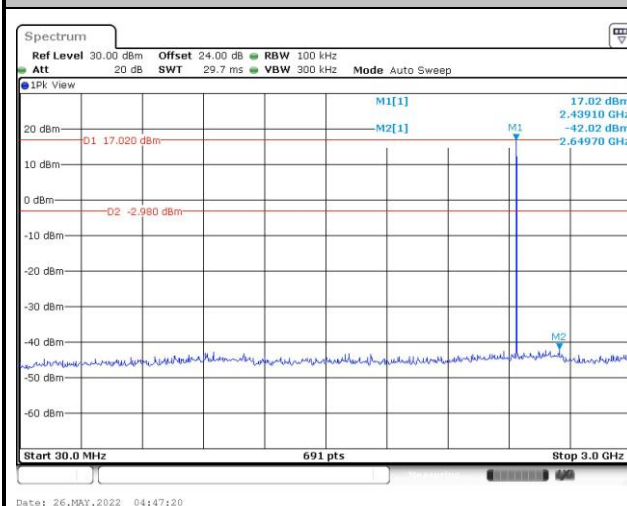
CSE Plot on CH 00 between 30 MHz ~ 3 GHz



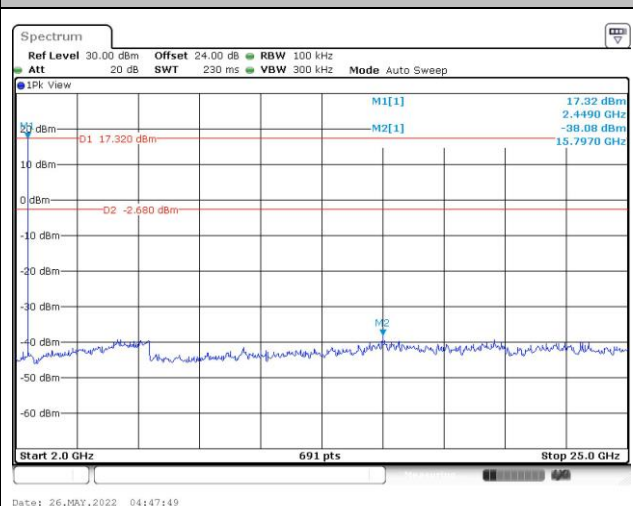
CSE Plot on CH 00 between 2 GHz ~ 25 GHz



CSE Plot on CH 39 between 30 MHz ~ 3 GHz

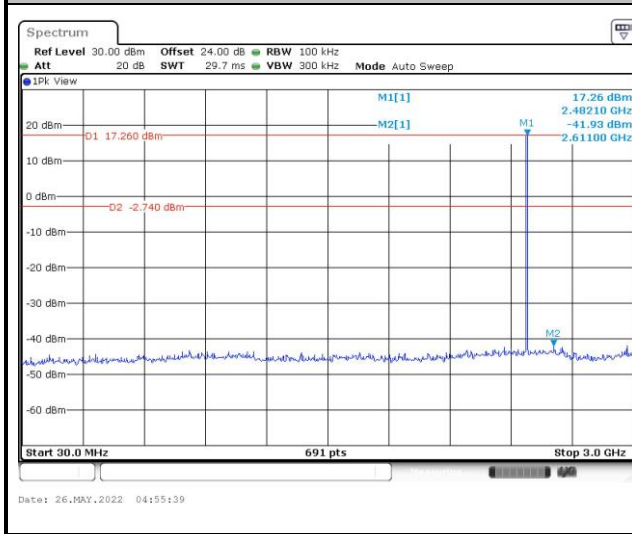


CSE Plot on CH 39 between 2 GHz ~ 25 GHz

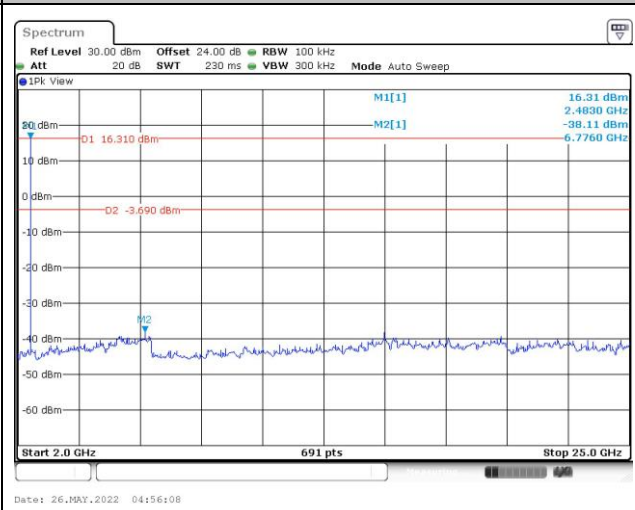


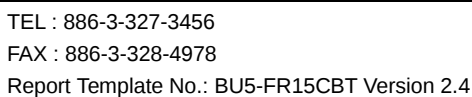


CSE Plot on CH 78 between 30 MHz ~ 3 GHz



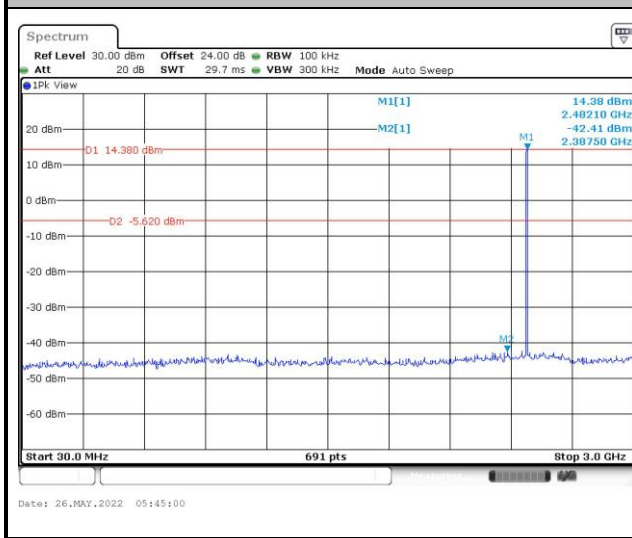
CSE Plot on CH 78 between 2 GHz ~ 25 GHz



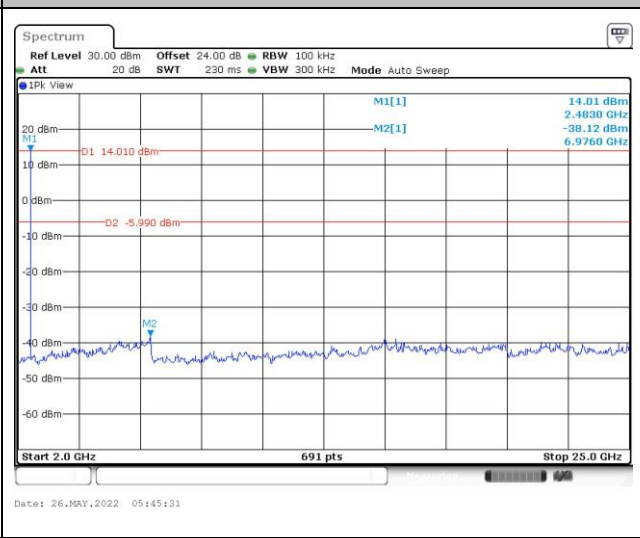




CSE Plot on CH 78 between 30 MHz ~ 3 GHz



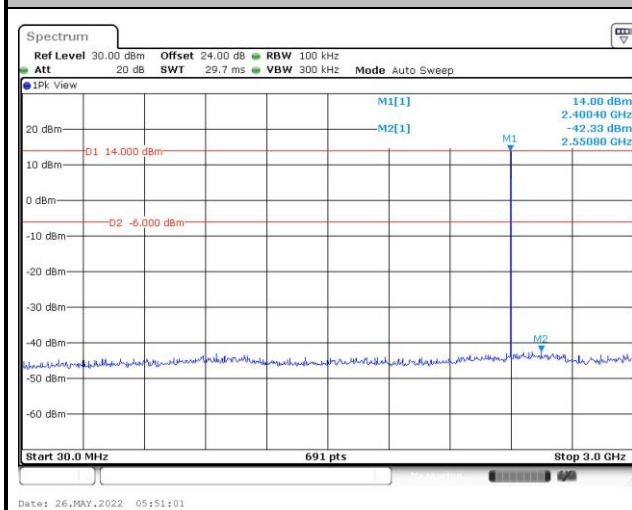
CSE Plot on CH 78 between 2 GHz ~ 25 GHz



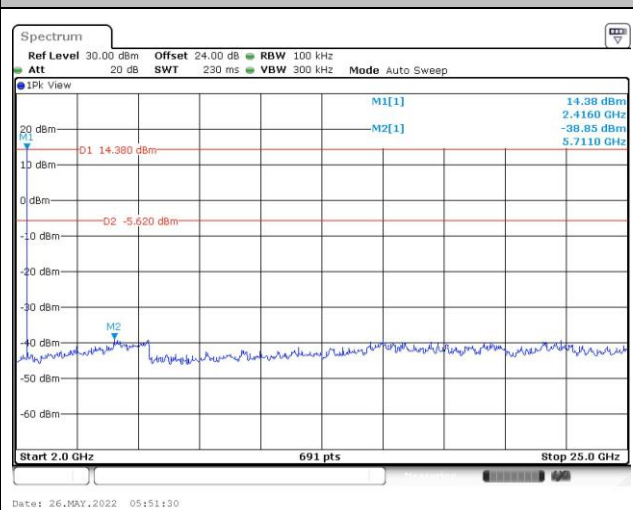


<3Mbps>

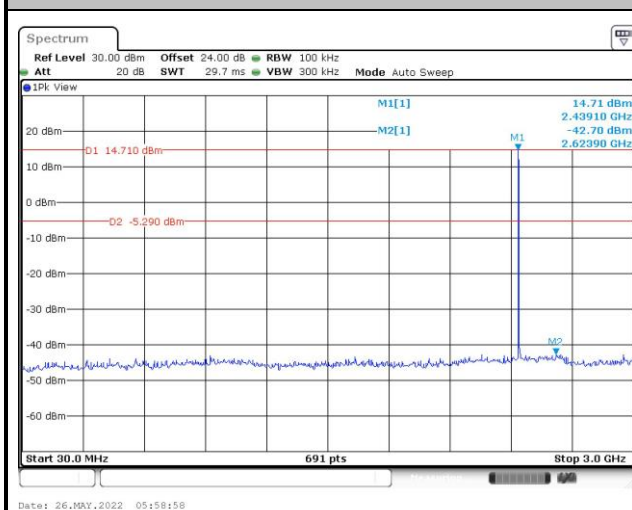
CSE Plot on CH 00 between 30 MHz ~ 3 GHz



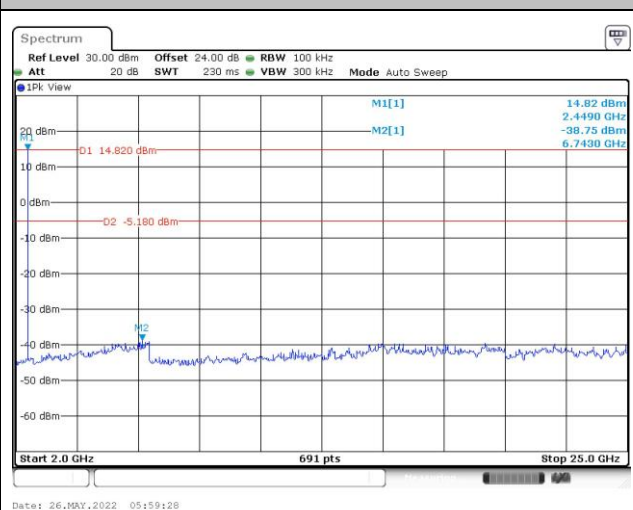
CSE Plot on CH 00 between 2 GHz ~ 25 GHz



CSE Plot on CH 39 between 30 MHz ~ 3 GHz

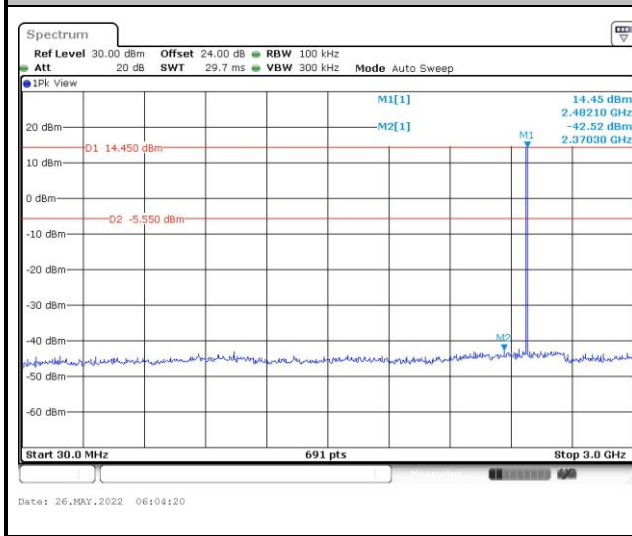


CSE Plot on CH 39 between 2 GHz ~ 25 GHz

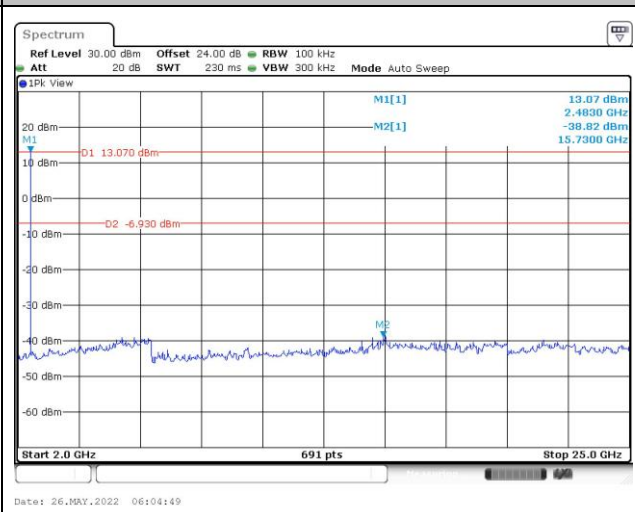




CSE Plot on CH 78 between 30 MHz ~ 3 GHz



CSE Plot on CH 78 between 2 GHz ~ 25 GHz



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

Please refer to the measuring equipment list in this test report.

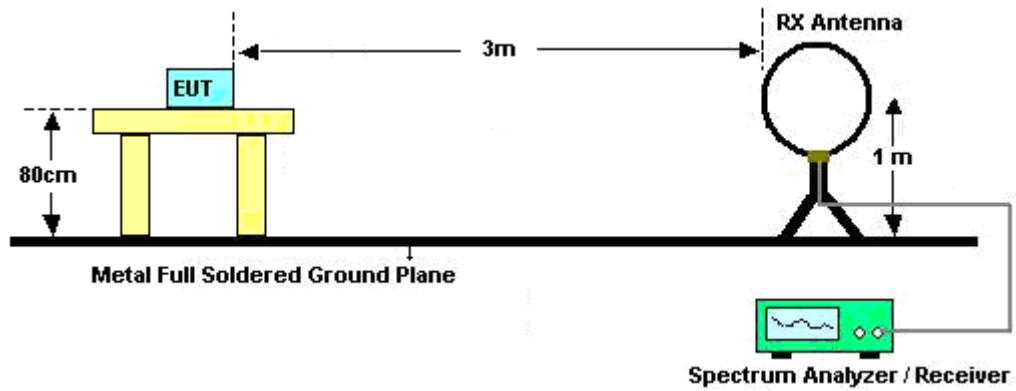
3.8.3 Test Procedures

1. The EUT is 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 is set 3 meters away from the receiving antenna, which is mounted on the top of a variable height antenna tower.
3. For each suspected emission, the EUT is 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 + $20 * \log$ (Duty cycle)
6. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level
7. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as “-”.
8. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as “-”.

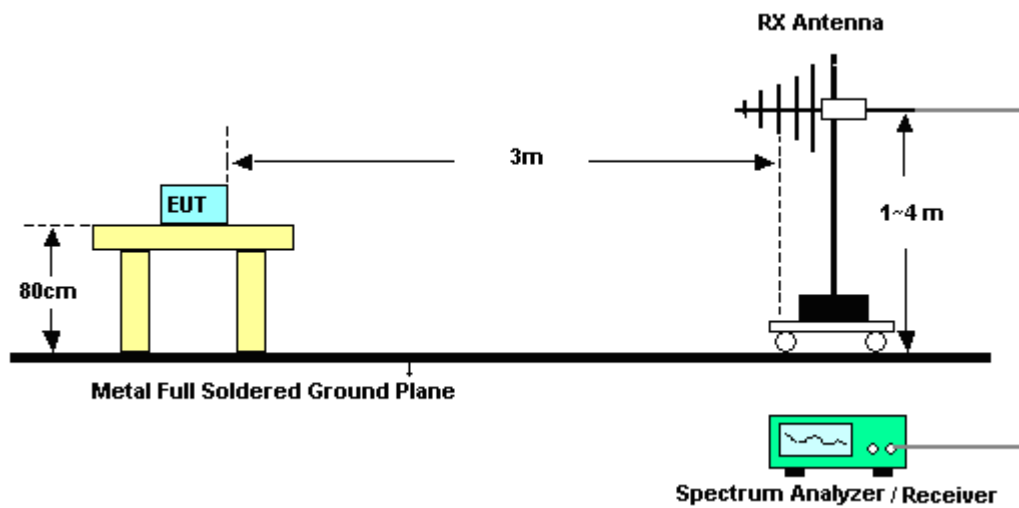
Note: The average levels are calculated from the peak level corrected with duty cycle correction factor (-24.76dB for Ant. 4, Ant. 3, MIMO Ant. 4+3 (3Mbps) and -24.79dB for MIMO Ant. 4+3 (1Mbps)). This correction is only for signals that hop with the fundamental signal, such as band-edge and harmonic. Other spurious signals that are independent of the hopping signal would not use this correction.

3.8.4 Test Setup

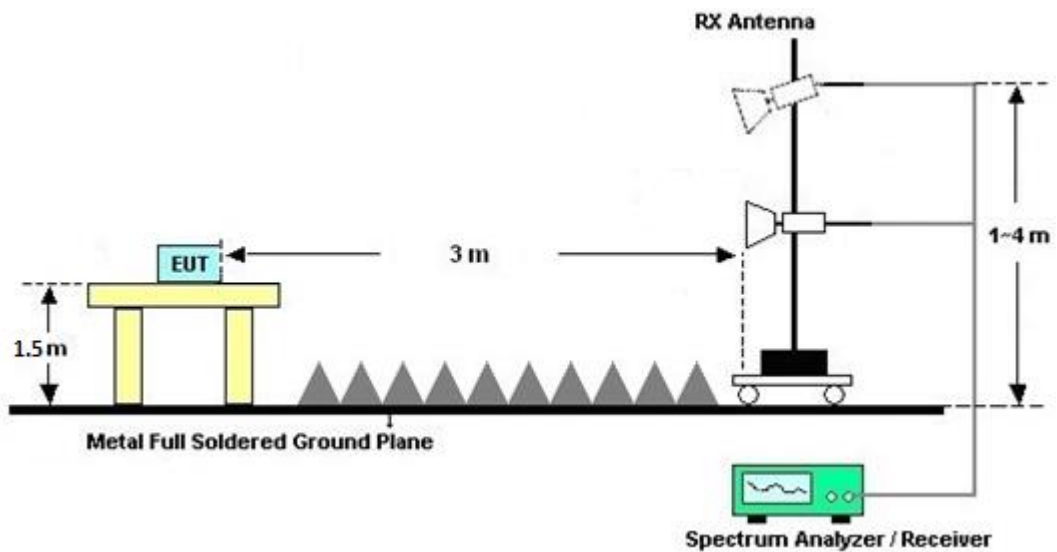
For radiated test below 30MHz



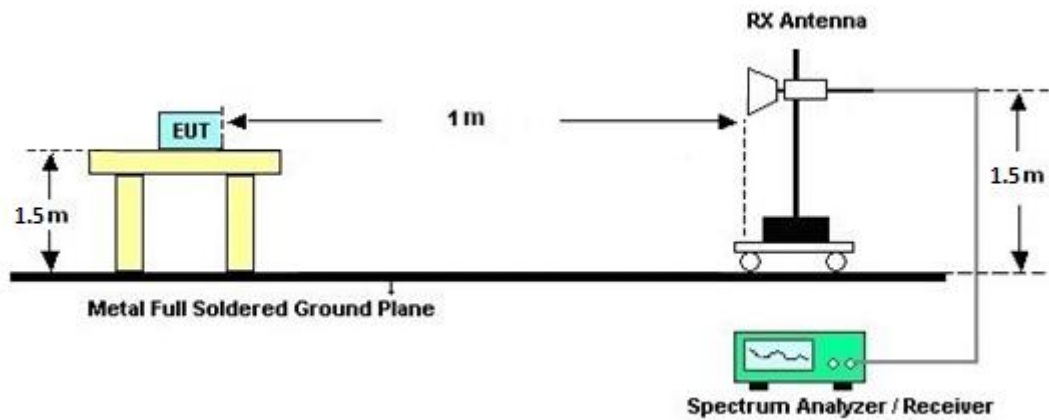
For radiated test from 30MHz to 1GHz



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 starts from 9 kHz to 30 MHz, is pre-scanned and the result which is 20 dB lower than the limit line is not reported.

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result comes 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.

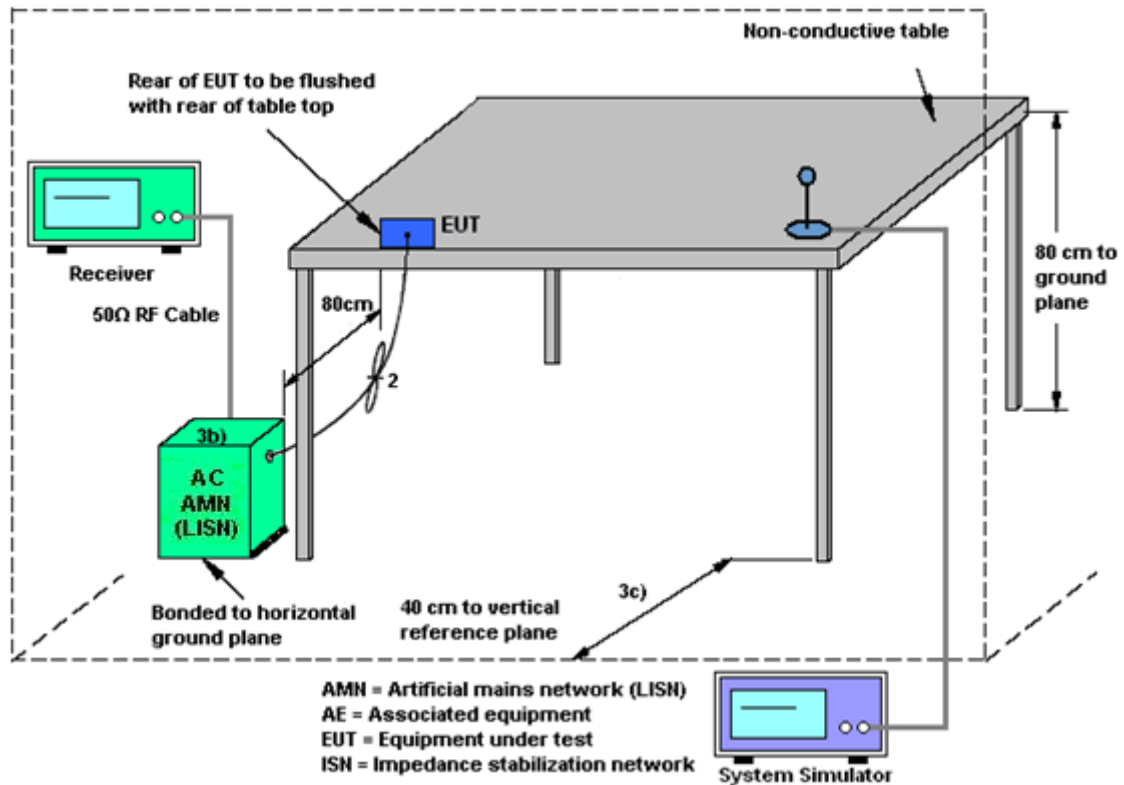
3.9.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.9.3 Test Procedures

1. The EUT is placed 0.4 meter away from the conducting wall of the shielding room, and is 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 Line and Neutral shall be tested in order to find out the maximum conducted emission.
7. The frequency range from 150 kHz to 30 MHz is scanned.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF Bandwidth = 9 kHz) 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

<CDD Modes >

For power measurements on IEEE 802.11 devices,

Directional gain = G_{ANT} + Array Gain, where Array Gain is as follows:

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$.

G_{ANT} is set equal to the gain of the antenna having the highest gain.



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	35419 & 03	30MHz~1GHz	Apr. 28, 2021	Apr. 19, 2022 ~ Apr. 24, 2022	Apr. 27, 2022	Radiation (03CH07-HY)
Double Ridge Horn Antenna	ESCO	3117	00075962	1GHz ~ 18GHz	Dec. 03, 2021	Apr. 19, 2022 ~ Apr. 24, 2022	Dec. 02, 2022	Radiation (03CH07-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Jan. 07, 2022	Apr. 19, 2022 ~ Apr. 24, 2022	Jan. 06, 2023	Radiation (03CH07-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590075	1GHz~18GHz	Apr. 22, 2021	Apr. 19, 2022 ~ Apr. 20, 2022	Apr. 21, 2022	Radiation (03CH07-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590075	1GHz~18GHz	Apr. 21, 2022	Apr. 21, 2022 ~ Apr. 24, 2022	Apr. 20, 2023	Radiation (03CH07-HY)
Preamplifier	COM-POWER	PA-103A	161241	10MHz~1GHz	Oct. 04, 2021	Apr. 19, 2022 ~ Apr. 24, 2022	Oct. 03, 2022	Radiation (03CH07-HY)
Preamplifier	Agilent	8449B	3008A02362	1GHz~26.5GHz	Oct. 04, 2021	Apr. 19, 2022 ~ Apr. 24, 2022	Oct. 03, 2022	Radiation (03CH07-HY)
Preamplifier	EMEC	EM18G40G	0600789	18-40GHz	Jul. 23, 2021	Apr. 19, 2022 ~ Apr. 24, 2022	Jul. 22, 2022	Radiation (03CH07-HY)
Spectrum Analyzer	Agilent	N9030A	MY52350276	3Hz~44GHz	Jul. 22, 2021	Apr. 19, 2022 ~ Apr. 24, 2022	Jul. 21, 2022	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY15682/4	30MHz to 18GHz	Feb. 23, 2022	Apr. 19, 2022 ~ Apr. 24, 2022	Feb. 22, 2023	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24971/4	9kHz to 18GHz	Feb. 23, 2022	Apr. 19, 2022 ~ Apr. 24, 2022	Feb. 22, 2023	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655/4	9kHz to 18GHz	Feb. 23, 2022	Apr. 19, 2022 ~ Apr. 24, 2022	Feb. 22, 2023	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126	532078/126E	30MHz~18GHz	Sep. 17, 2021	Apr. 19, 2022 ~ Apr. 24, 2022	Sep. 16, 2022	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2858/2	18GHz~40GHz	Feb. 23, 2022	Apr. 19, 2022 ~ Apr. 24, 2022	Feb. 22, 2023	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	801606/2	9KHz ~ 40GHz	Apr. 03, 2021	Apr. 19, 2022 ~ Apr. 24, 2022	Apr. 02, 2022	Radiation (03CH07-HY)
Controller	EMEC	EM1000	N/A	Control Ant Mast	N/A	Apr. 19, 2022 ~ Apr. 24, 2022	N/A	Radiation (03CH07-HY)
Controller	MF	MF-7802	N/A	Control Turn table	N/A	Apr. 19, 2022 ~ Apr. 24, 2022	N/A	Radiation (03CH07-HY)
Antenna Mast	EMEC	AM-BS-4500E	N/A	Boresight mast 1M~4M	N/A	Apr. 19, 2022 ~ Apr. 24, 2022	N/A	Radiation (03CH07-HY)
Turn Table	ChainTek	Chaintek 3000	N/A	0~360 Degree	N/A	Apr. 19, 2022 ~ Apr. 24, 2022	N/A	Radiation (03CH07-HY)
Software	Audix	E3	N/A	N/A	N/A	Apr. 19, 2022 ~ Apr. 24, 2022	N/A	Radiation (03CH07-HY)
USB Data Logger	TECPEL	TR-32	HE17XB1148	N/A	Oct. 25, 2021	Apr. 19, 2022 ~ Apr. 24, 2022	Oct. 24, 2022	Radiation (03CH07-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	18GHz~40GHz	Nov. 30, 2021	Apr. 19, 2022 ~ Apr. 24, 2022	Nov. 29, 2022	Radiation (03CH07-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	TECEP	DTM-303A	TP201996	N/A	Nov. 16, 2021	Mar. 29, 2022~ May 26, 2022	Nov. 15, 2022	Conducted (TH05-HY)
Power Meter	Anritsu	ML2495A	1036004	N/A	Aug. 01, 2021	Mar. 29, 2022~ May 26, 2022	Jul. 31, 2022	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	1027253	300MHz~40GHz	Aug. 01, 2021	Mar. 29, 2022~ May 26, 2022	Jul. 31, 2022	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Aug. 30, 2021	Mar. 29, 2022~ May 26, 2022	Aug. 29, 2022	Conducted (TH05-HY)
Switch Control Mainframe	E-IUSTRUMENT	ETF-1405-0	EC1900067 (BOX7)	N/A	Aug. 12, 2021	Mar. 29, 2022~ May 26, 2022	Aug. 11, 2022	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Apr. 20, 2022	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Dec. 01, 2021	Apr. 20, 2022	Nov. 30, 2022	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 17, 2021	Apr. 20, 2022	Nov. 16, 2022	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 03, 2021	Apr. 20, 2022	Dec. 02, 2022	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Apr. 20, 2022	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-FN	00691	N/A	Jul. 28, 2021	Apr. 20, 2022	Jul. 27, 2022	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 30, 2021	Apr. 20, 2022	Dec. 29, 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% ($U = 2Uc(y)$)	3.1 dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.1 dB
---	--------

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.8 dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.0 dB
---	--------

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Shiming Liu	Temperature:	21~25	°C
Test Date:	2022/3/29~2022/5/26	Relative Humidity:	51~54	%

<Ant. 4>

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	1.019	0.906	1.003	0.6792	Pass
DH	1Mbps	1	39	2441	1.022	0.903	0.994	0.6811	Pass
DH	1Mbps	1	78	2480	1.019	0.906	0.999	0.6792	Pass
2DH	2Mbps	1	0	2402	1.303	1.184	0.999	0.8683	Pass
2DH	2Mbps	1	39	2441	1.303	1.184	0.999	0.8683	Pass
2DH	2Mbps	1	78	2480	1.303	1.184	0.999	0.8683	Pass
3DH	3Mbps	1	0	2402	1.259	1.161	1.003	0.8393	Pass
3DH	3Mbps	1	39	2441	1.259	1.161	0.999	0.8393	Pass
3DH	3Mbps	1	78	2480	1.259	1.161	1.003	0.8393	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	2.90	0.31	0.4	Pass
AFH	20	53.33	2.90	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	20.96	20.97	Pass
	39	1	20.95	20.97	Pass
	78	1	20.82	20.97	Pass
2DH1	0	1	20.75	20.97	Pass
	39	1	20.58	20.97	Pass
	78	1	20.31	20.97	Pass
3DH1	0	1	20.95	20.97	Pass
	39	1	20.92	20.97	Pass
	78	1	20.77	20.97	Pass

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

DH	CH.	NTX	Average Power (dBm)	Duty Factor (dB)
DH1	0	1	19.64	5.15
	39	1	19.57	5.15
	78	1	19.55	5.15
2DH1	0	1	18.03	5.08
	39	1	17.98	5.08
	78	1	17.73	5.08
3DH1	0	1	18.05	5.08
	39	1	18.03	5.08
	78	1	17.75	5.08

TEST RESULTS DATA**Number of Hopping Frequency**

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

<Ant. 3>

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	1.022	0.906	0.999	0.6811	Pass
DH	1Mbps	1	39	2441	1.019	0.906	0.999	0.6792	Pass
DH	1Mbps	1	78	2480	1.022	0.906	0.994	0.6811	Pass
2DH	2Mbps	1	0	2402	1.298	1.184	0.999	0.8654	Pass
2DH	2Mbps	1	39	2441	1.303	1.184	0.994	0.8683	Pass
2DH	2Mbps	1	78	2480	1.298	1.181	0.999	0.8654	Pass
3DH	3Mbps	1	0	2402	1.259	1.161	1.003	0.8393	Pass
3DH	3Mbps	1	39	2441	1.259	1.161	0.999	0.8393	Pass
3DH	3Mbps	1	78	2480	1.259	1.161	0.999	0.8393	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	2.90	0.31	0.4	Pass
AFH	20	53.33	2.90	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	20.85	20.97	Pass
	39	1	20.81	20.97	Pass
	78	1	20.80	20.97	Pass
2DH1	0	1	20.58	20.97	Pass
	39	1	20.55	20.97	Pass
	78	1	20.52	20.97	Pass
3DH1	0	1	20.82	20.97	Pass
	39	1	20.80	20.97	Pass
	78	1	20.78	20.97	Pass

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

DH	CH.	NTX	Average Power (dBm)	Duty Factor (dB)
DH1	0	1	19.60	5.15
	39	1	19.55	5.15
	78	1	19.52	5.15
2DH1	0	1	17.70	5.08
	39	1	17.68	5.08
	78	1	17.65	5.08
3DH1	0	1	17.79	5.08
	39	1	17.75	5.08
	78	1	17.73	5.08

TEST RESULTS DATA**Number of Hopping Frequency**

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

MIMO <Ant. 4+3>

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	2	0	2402	1.019	0.906	0.999	0.6792	Pass
DH	1Mbps	2	39	2441	1.022	0.906	0.999	0.6811	Pass
DH	1Mbps	2	78	2480	1.022	0.903	0.999	0.6811	Pass
2DH	2Mbps	2	0	2402	1.303	1.184	0.999	0.8683	Pass
2DH	2Mbps	2	39	2441	1.303	1.184	1.003	0.8683	Pass
2DH	2Mbps	2	78	2480	1.303	1.181	0.999	0.8683	Pass
3DH	3Mbps	2	0	2402	1.259	1.161	1.003	0.8393	Pass
3DH	3Mbps	2	39	2441	1.263	1.164	0.999	0.8423	Pass
3DH	3Mbps	2	78	2480	1.263	1.164	1.003	0.8423	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
Normal	79	106.67	2.90	0.31	0.4	Pass
AFH	20	53.33	2.90	0.15	0.4	Pass

TEST RESULTS DATA**Peak Power Table**

DH	CH.	NTX	Peak Power Ant 4 (dBm)	Peak Power Ant 3 (dBm)	Peak Power Total (dBm)	Power Limit (dBm)	Test Result
DH1	0	2	17.85	18.05	20.96	20.97	Pass
	39	2	17.84	18.00	20.93	20.97	Pass
	78	2	17.82	17.95	20.90	20.97	Pass
2DH1	0	2	17.61	17.95	20.79	20.97	Pass
	39	2	17.55	17.60	20.59	20.97	Pass
	78	2	17.52	17.55	20.55	20.97	Pass
3DH1	0	2	17.90	17.95	20.94	20.97	Pass
	39	2	17.85	17.88	20.88	20.97	Pass
	78	2	17.82	17.85	20.85	20.97	Pass

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

DH	CH.	NTX	Average Power Ant 4 (dBm)	Average Power Ant 3 (dBm)	Average Power Total (dBm)	Duty Factor (dB)
DH1	0	2	17.33	17.45	20.40	5.15
	39	2	17.10	17.18	20.15	5.15
	78	2	17.05	17.15	20.11	5.15
2DH1	0	2	14.98	15.00	18.00	5.08
	39	2	14.90	14.93	17.93	5.08
	78	2	14.85	14.89	17.88	5.08
3DH1	0	2	15.02	15.06	18.05	5.07
	39	2	14.95	15.01	17.99	5.07
	78	2	14.90	14.98	17.95	5.07

TEST RESULTS DATA**Number of Hopping Frequency**

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



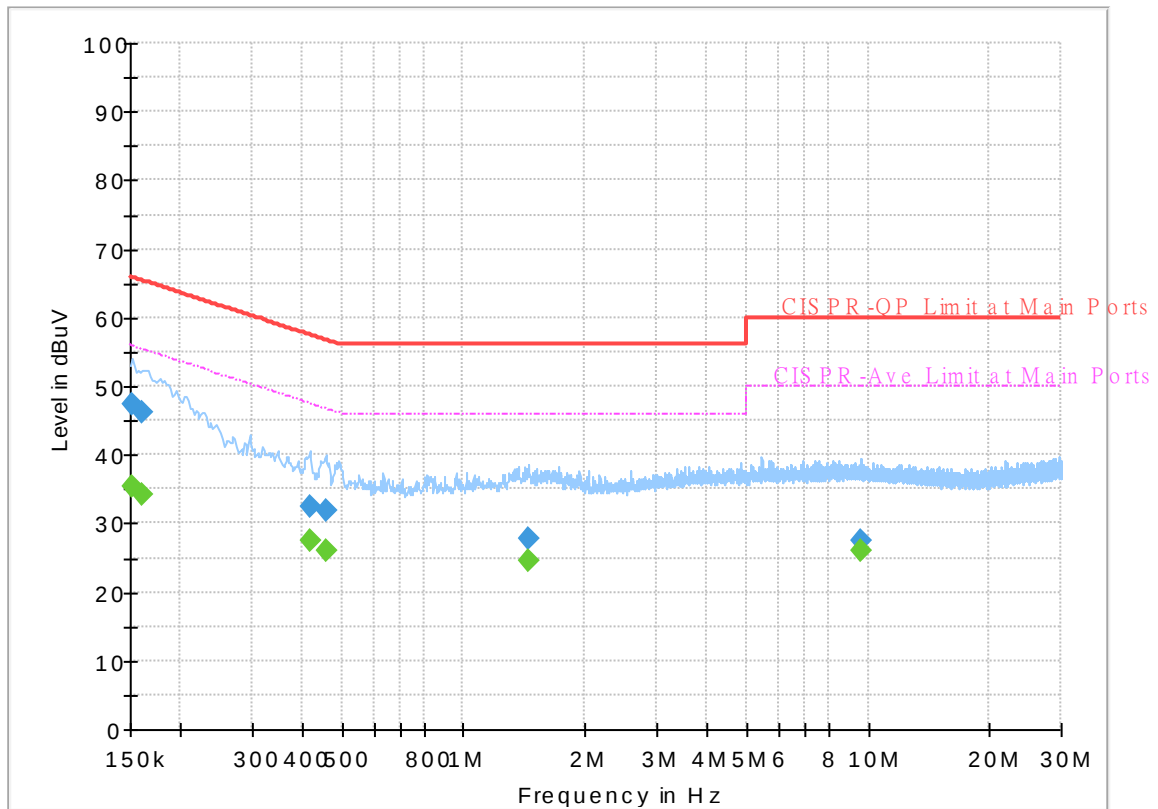
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Tom Lee	Temperature :	23~26℃
		Relative Humidity :	45~55%

EUT Information

Report NO : 1O2843-05
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Line

Full Spectrum



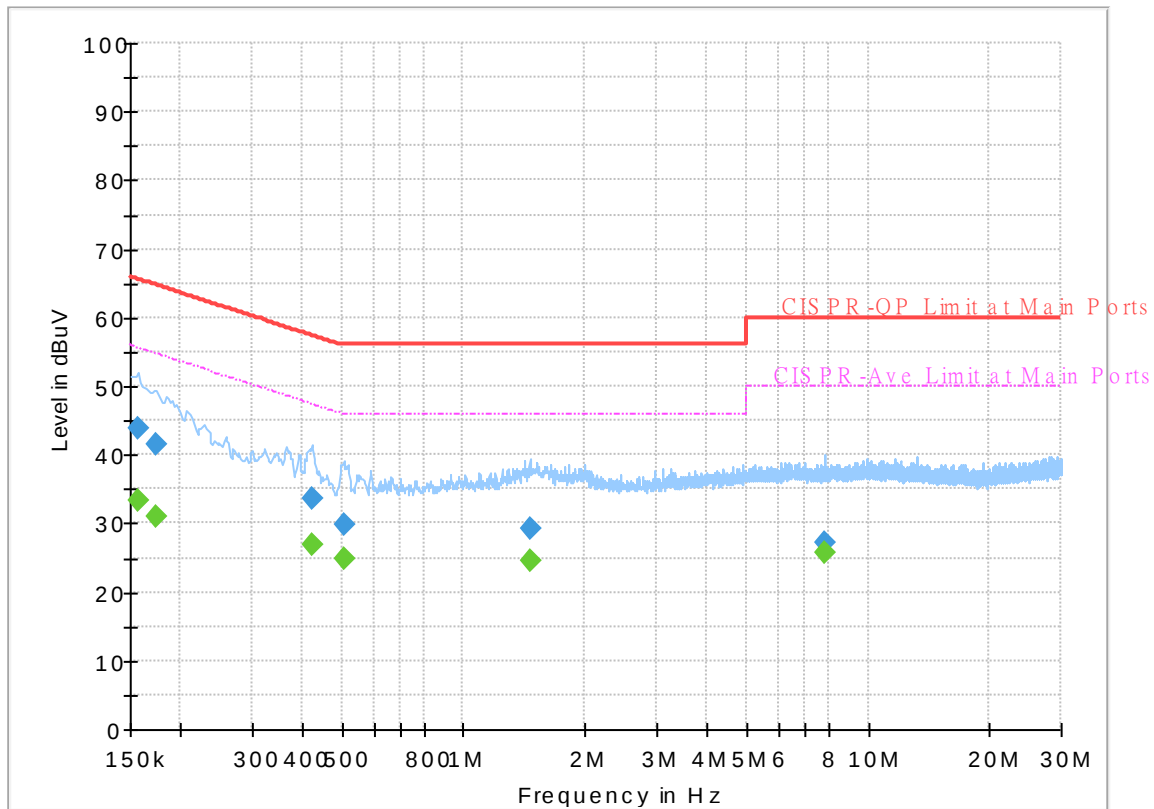
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	35.48	55.88	20.40	L1	OFF	19.6
0.152250	47.46	---	65.88	18.42	L1	OFF	19.6
0.161250	---	34.21	55.40	21.19	L1	OFF	19.6
0.161250	46.10	---	65.40	19.30	L1	OFF	19.6
0.417750	---	27.44	47.49	20.05	L1	OFF	19.6
0.417750	32.48	---	57.49	25.01	L1	OFF	19.6
0.456000	---	26.14	46.77	20.63	L1	OFF	19.6
0.456000	31.83	---	56.77	24.94	L1	OFF	19.6
1.450500	---	24.65	46.00	21.35	L1	OFF	19.7
1.450500	27.73	---	56.00	28.27	L1	OFF	19.7
9.577500	---	25.97	50.00	24.03	L1	OFF	20.1
9.577500	27.45	---	60.00	32.55	L1	OFF	20.1

EUT Information

Report NO : 1O2843-05
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)
0.156750	---	33.39	55.63	22.24	N	OFF	19.6
0.156750	44.00	---	65.63	21.63	N	OFF	19.6
0.174750	---	31.14	54.73	23.59	N	OFF	19.6
0.174750	41.62	---	64.73	23.11	N	OFF	19.6
0.422250	---	26.79	47.40	20.61	N	OFF	19.6
0.422250	33.59	---	57.40	23.81	N	OFF	19.6
0.505500	---	24.89	46.00	21.11	N	OFF	19.6
0.505500	29.79	---	56.00	26.21	N	OFF	19.6
1.457250	---	24.68	46.00	21.32	N	OFF	19.7
1.457250	29.36	---	56.00	26.64	N	OFF	19.7
7.813500	---	25.70	50.00	24.30	N	OFF	20.0
7.813500	27.24	---	60.00	32.76	N	OFF	20.0



Appendix C. Radiated Spurious Emission

Test Engineer :	Jesse Wang, Stan Hsieh, Ken Wu	Temperature :	22.8~24.9°C
		Relative Humidity :	52.6~61.1%

<Ant. 4>

2.4GHz 2400~2483.5MHz

BT (Band Edge @ 3m)

BT	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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 CH00 2402MHz		2354.625	44.52	-29.48	74	40.22	31.4	8.3	35.4	100	125	P	H
		2354.625	19.76	-34.24	54	-	-	-	-	-	-	A	H
	*	2402	113.78	-	-	109.37	31.42	8.41	35.42	100	125	P	H
	*	2402	89.02	-	-	-	-	-	-	-	-	A	H
													H
		2338.245	44.62	-29.38	74	40.3	31.45	8.26	35.39	355	80	P	V
		2338.245	19.86	-34.14	54	-	-	-	-	-	-	A	V
	*	2402	112.93	-	-	108.52	31.42	8.41	35.42	355	80	P	V
	*	2402	88.17	-	-	-	-	-	-	-	-	A	V
													V
BT CH 39 2441MHz		2361.52	43.77	-30.23	74	39.45	31.4	8.32	35.4	100	120	P	H
		2361.52	19.01	-34.99	54	-	-	-	-	-	-	A	H
	*	2441	113.6	-	-	108.81	31.73	8.5	35.44	100	120	P	H
	*	2441	88.84	-	-	-	-	-	-	-	-	A	H
		2491.6	44.66	-29.34	74	39.37	32.13	8.61	35.45	100	120	P	H
		2491.6	19.9	-34.1	54	-	-	-	-	-	-	A	H
		2320.22	44.3	-29.7	74	39.95	31.52	8.22	35.39	352	78	P	V
		2320.22	19.54	-34.46	54	-	-	-	-	-	-	A	V
	*	2441	111.86	-	-	107.07	31.73	8.5	35.44	352	78	P	V
	*	2441	87.1	-	-	-	-	-	-	-	-	A	V
		2496.64	45.18	-28.82	74	39.85	32.17	8.62	35.46	352	78	P	V
		2496.64	20.42	-33.58	54	-	-	-	-	-	-	A	V



BT CH 78 2480MHz	*	2480	112.54	-	-	107.36	32.04	8.59	35.45	100	254	P	H
	*	2480	87.78	-	-							A	H
		2483.52	47.08	-26.92	74	41.87	32.07	8.59	35.45	100	254	P	H
		2483.52	22.32	-31.68	54							A	H
													H
													H
	*	2480	109.99	-	-	104.81	32.04	8.59	35.45	335	58	P	V
	*	2480	85.23	-	-							A	V
		2483.52	45.7	-28.3	74	40.49	32.07	8.59	35.45	335	58	P	V
		2483.52	20.94	-33.06	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	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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	44.63	-29.37	74	55.91	34.01	12.7	57.99	-	-	P	H
		4804	19.87	-34.13	54	-	-	-	-	-	-	A	H
		14499	46.72	-27.28	74	43.55	39.6	21.66	58.09	-	-	P	H
		14499	21.96	-32.04	54	-	-	-	-	-	-	A	H
		16125	47.58	-26.42	74	40.49	41.2	22.67	56.78	-	-	P	H
		16125	22.82	-31.18	54	-	-	-	-	-	-	A	H
		17760	50.01	-23.99	74	41	41.56	23.57	56.12	-	-	P	H
		17760	25.25	-28.75	54	-	-	-	-	-	-	A	H
													H
													H
													H
													H
		4804	43.84	-30.16	74	55.12	34.01	12.7	57.99	-	-	P	V
		4804	19.08	-34.92	54	-	-	-	-	-	-	A	V
		14499	46.55	-27.45	74	43.38	39.6	21.66	58.09	-	-	P	V
		14499	21.79	-32.21	54	-	-	-	-	-	-	A	V
		16155	47.74	-26.26	74	40.62	41.2	22.69	56.77	-	-	P	V
		16155	22.98	-31.02	54	-	-	-	-	-	-	A	V
		17865	49.75	-24.25	74	40.7	41.47	23.64	56.06	-	-	P	V
		17865	24.99	-29.01	54	-	-	-	-	-	-	A	V
													V
													V
													V
													V



BT	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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 39 2441MHz		4882	42.85	-31.15	74	53.95	34.04	12.76	57.9	-	-	P	H
		4882	18.09	-35.91	54	-	-	-	-	-	-	A	H
		7323	41.63	-32.37	74	48.83	35.69	15.03	57.92	-	-	P	H
		7323	16.87	-37.13	54	-	-	-	-	-	-	A	H
		14499	46.35	-27.65	74	43.18	39.6	21.66	58.09	-	-	P	H
		14499	21.59	-32.41	54	-	-	-	-	-	-	A	H
		16155	47.5	-26.5	74	40.38	41.2	22.69	56.77	-	-	P	H
		16155	22.74	-31.26	54	-	-	-	-	-	-	A	H
		17880	49.57	-24.43	74	40.53	41.44	23.65	56.05	-	-	P	H
		17880	24.81	-29.19	54	-	-	-	-	-	-	A	H
													H
													H
		4882	42.64	-31.36	74	53.74	34.04	12.76	57.9	-	-	P	V
		4882	17.88	-36.12	54	-	-	-	-	-	-	A	V
		7323	41.2	-32.8	74	48.4	35.69	15.03	57.92	-	-	P	V
		7323	16.44	-37.56	54	-	-	-	-	-	-	A	V
		14499	46.41	-27.59	74	43.24	39.6	21.66	58.09	-	-	P	V
		14499	21.65	-32.35	54	-	-	-	-	-	-	A	V
		16185	47.8	-26.2	74	40.66	41.2	22.7	56.76	-	-	P	V
		16185	23.04	-30.96	54	-	-	-	-	-	-	A	V
		17775	49.83	-24.17	74	40.78	41.57	23.59	56.11	-	-	P	V
		17775	25.07	-28.93	54	-	-	-	-	-	-	A	V
													V
													V



BT	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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	45.54	-28.46	74	56.43	34.1	12.82	57.81	-	-	P	H
		4960	20.78	-33.22	54	-	-	-	-	-	-	A	H
		7440	40.92	-33.08	74	48.11	35.82	15.03	58.04	-	-	P	H
		7440	16.16	-37.84	54	-	-	-	-	-	-	A	H
		14499	46	-28	74	42.83	39.6	21.66	58.09	-	-	P	H
		14499	21.24	-32.76	54	-	-	-	-	-	-	A	H
		15810	48.21	-25.79	74	41.99	40.72	22.49	56.99	-	-	P	H
		15810	23.45	-30.55	54	-	-	-	-	-	-	A	H
		17835	49.95	-24.05	74	40.88	41.53	23.62	56.08	-	-	P	H
		17835	25.19	-28.81	54	-	-	-	-	-	-	A	H
													H
													H
		4960	44.52	-29.48	74	55.41	34.1	12.82	57.81	-	-	P	V
		4960	19.76	-34.24	54	-	-	-	-	-	-	A	V
		7440	40.95	-33.05	74	48.14	35.82	15.03	58.04	-	-	P	V
		7440	16.19	-37.81	54	-	-	-	-	-	-	A	V
		14499	46.29	-27.71	74	43.12	39.6	21.66	58.09	-	-	P	V
		14499	21.53	-32.47	54	-	-	-	-	-	-	A	V
		16185	48.4	-25.6	74	41.26	41.2	22.7	56.76	-	-	P	V
		16185	23.64	-30.36	54	-	-	-	-	-	-	A	V
		17700	49.31	-24.69	74	40.42	41.5	23.55	56.16	-	-	P	V
		17700	24.55	-29.45	54	-	-	-	-	-	-	A	V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												
	3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												
	4. The emission level close to 18GHz is checked that the average emission level is noise floor only.												



2.4GHz 2400~2483.5MHz

BT EDR (Band Edge @ 3m)

BT EDR	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
BT EDR CH00 2402MHz		2345.595	43.3	-30.7	74	39	31.42	8.28	35.4	100	116	P	H
		2345.595	18.54	-35.46	54	-	-	-	-	-	-	A	H
	*	2402	114.66	-	-	110.25	31.42	8.41	35.42	100	116	P	H
	*	2402	89.9	-	-	-	-	-	-	-	-	A	H
													H
													H
		2390	45.09	-28.91	74	40.72	31.4	8.39	35.42	357	73	P	V
		2390	20.33	-33.67	54	-	-	-	-	-	-	A	V
	*	2402	114.13	-	-	109.72	31.42	8.41	35.42	357	73	P	V
	*	2402	89.37	-	-	-	-	-	-	-	-	A	V
													V
													V
BT EDR CH 39 2441MHz		2366.14	43.46	-30.54	74	39.14	31.4	8.33	35.41	100	117	P	H
		2366.14	18.7	-35.3	54	-	-	-	-	-	-	A	H
	*	2441	113.67	-	-	108.88	31.73	8.5	35.44	100	117	P	H
	*	2441	88.91	-	-	-	-	-	-	-	-	A	H
		2490.97	44.51	-29.49	74	39.22	32.13	8.61	35.45	100	117	P	H
		2490.97	19.75	-34.25	54	-	-	-	-	-	-	A	H
		2378.6	43.66	-30.34	74	39.31	31.4	8.36	35.41	346	74	P	V
		2378.6	18.9	-35.1	54	-	-	-	-	-	-	A	V
	*	2441	113.68	-	-	108.89	31.73	8.5	35.44	346	74	P	V
	*	2441	88.92	-	-	-	-	-	-	-	-	A	V
		2486.28	44.79	-29.21	74	39.55	32.09	8.6	35.45	346	74	P	V
		2486.28	20.03	-33.97	54	-	-	-	-	-	-	A	V



BT EDR CH 78 2480MHz	*	2480	111.81	-	-	106.63	32.04	8.59	35.45	100	243	P	H
	*	2480	87.05	-	-	-	-	-	-	-	-	A	H
		2483.76	47.84	-26.16	74	42.63	32.07	8.59	35.45	100	243	P	H
		2483.76	23.08	-30.92	54	-	-	-	-	-	-	A	H
													H
													H
	*	2480	110.82	-	-	105.64	32.04	8.59	35.45	385	60	P	V
	*	2480	86.06	-	-	-	-	-	-	-	-	A	V
		2483.6	46.61	-27.39	74	41.4	32.07	8.59	35.45	385	60	P	V
		2483.6	21.85	-32.15	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 EDR (Harmonic @ 3m)

BT EDR	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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 EDR CH 00 2402MHz		4804	41.13	-32.87	74	52.41	34.01	12.7	57.99	-	-	P	H
		4804	16.37	-37.63	54	-	-	-	-	-	-	A	H
		14490	47.06	-26.94	74	43.92	39.58	21.65	58.09	-	-	P	H
		14490	22.3	-31.7	54	-	-	-	-	-	-	A	H
		15840	47.53	-26.47	74	41.22	40.78	22.5	56.97	-	-	P	H
		15840	22.77	-31.23	54	-	-	-	-	-	-	A	H
		17760	50.19	-23.81	74	41.18	41.56	23.57	56.12	-	-	P	H
		17760	25.43	-28.57	54	-	-	-	-	-	-	A	H
													H
													H
													H
													H
		4804	41.16	-32.84	74	52.44	34.01	12.7	57.99	-	-	P	V
		4804	16.4	-37.6	54	-	-	-	-	-	-	A	V
		14475	46.66	-27.34	74	43.55	39.55	21.65	58.09	-	-	P	V
		14475	21.9	-32.1	54	-	-	-	-	-	-	A	V
		16185	47.67	-26.33	74	40.53	41.2	22.7	56.76	-	-	P	V
		16185	22.91	-31.09	54	-	-	-	-	-	-	A	V
		17730	49.83	-24.17	74	40.88	41.53	23.56	56.14	-	-	P	V
		17730	25.07	-28.93	54	-	-	-	-	-	-	A	V
													V
													V
													V
													V



BT EDR	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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 EDR CH 39 2441MHz		4882	41.91	-32.09	74	53.01	34.04	12.76	57.9	-	-	P	H
		4882	17.15	-36.85	54	-	-	-	-	-	-	A	H
		7323	41.77	-32.23	74	48.97	35.69	15.03	57.92	-	-	P	H
		7323	17.01	-36.99	54	-	-	-	-	-	-	A	H
		14499	46.64	-27.36	74	43.47	39.6	21.66	58.09	-	-	P	H
		14499	21.88	-32.12	54	-	-	-	-	-	-	A	H
		15810	47.85	-26.15	74	41.63	40.72	22.49	56.99	-	-	P	H
		15810	23.09	-30.91	54	-	-	-	-	-	-	A	H
		17865	49.54	-24.46	74	40.49	41.47	23.64	56.06	-	-	P	H
		17865	24.78	-29.22	54	-	-	-	-	-	-	A	H
													H
													H
		4882	41.76	-32.24	74	52.86	34.04	12.76	57.9	-	-	P	V
		4882	17	-37	54	-	-	-	-	-	-	A	V
		7323	41.35	-32.65	74	48.55	35.69	15.03	57.92	-	-	P	V
		7323	16.59	-37.41	54	-	-	-	-	-	-	A	V
		14475	47.45	-26.55	74	44.34	39.55	21.65	58.09	-	-	P	V
		14475	22.69	-31.31	54	-	-	-	-	-	-	A	V
		16185	47.63	-26.37	74	40.49	41.2	22.7	56.76	-	-	P	V
		16185	22.87	-31.13	54	-	-	-	-	-	-	A	V
		17790	49.74	-24.26	74	40.66	41.59	23.6	56.11	-	-	P	V
		17790	24.98	-29.02	54	-	-	-	-	-	-	A	V
													V
													V



BT EDR	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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 EDR CH 78 2480MHz		4960	42.19	-31.81	74	53.08	34.1	12.82	57.81	-	-	P	H
		4960	17.43	-36.57	54	-	-	-	-	-	-	A	H
		7440	40.95	-33.05	74	48.14	35.82	15.03	58.04	-	-	P	H
		7440	16.19	-37.81	54	-	-	-	-	-	-	A	H
		14505	46.66	-27.34	74	43.49	39.59	21.67	58.09	-	-	P	H
		14505	21.9	-32.1	54	-	-	-	-	-	-	A	H
		15675	47.8	-26.2	74	42.16	40.35	22.4	57.11	-	-	P	H
		15675	23.04	-30.96	54	-	-	-	-	-	-	A	H
		17730	49.52	-24.48	74	40.57	41.53	23.56	56.14	-	-	P	H
		17730	24.76	-29.24	54	-	-	-	-	-	-	A	H
													H
													H
		4960	41.6	-32.4	74	52.49	34.1	12.82	57.81	-	-	P	V
		4960	16.84	-37.16	54	-	-	-	-	-	-	A	V
		7440	41.13	-32.87	74	48.32	35.82	15.03	58.04	-	-	P	V
		7440	16.37	-37.63	54	-	-	-	-	-	-	A	V
		14499	47.07	-26.93	74	43.9	39.6	21.66	58.09	-	-	P	V
		14499	22.31	-31.69	54	-	-	-	-	-	-	A	V
		15870	47.88	-26.12	74	41.46	40.84	22.52	56.94	-	-	P	V
		15870	23.12	-30.88	54	-	-	-	-	-	-	A	V
		17805	49.85	-24.15	74	40.76	41.59	23.6	56.1	-	-	P	V
		17805	25.09	-28.91	54	-	-	-	-	-	-	A	V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												
	3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												
	4. The emission level close to 18GHz is checked that the average emission level is noise floor only.												



<Ant. 3>

2.4GHz 2400~2483.5MHz

BT (Band Edge @ 3m)

BT	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
BT CH00 2402MHz		2321.655	44.06	-29.94	74	39.71	31.51	8.23	35.39	109	23	P	H
		2321.655	19.3	-34.7	54	-	-	-	-	-	-	A	H
	*	2402	112.39	-	-	107.98	31.42	8.41	35.42	109	23	P	H
	*	2402	87.63	-	-	-	-	-	-	-	-	A	H
													H
													H
		2374.155	44.2	-29.8	74	39.86	31.4	8.35	35.41	399	116	P	V
		2374.155	19.44	-34.56	54	-	-	-	-	-	-	A	V
	*	2402	111.79	-	-	107.38	31.42	8.41	35.42	399	116	P	V
	*	2402	87.03	-	-	-	-	-	-	-	-	A	V
													V
													V
BT CH 39 2441MHz		2380.14	43.31	-30.69	74	38.96	31.4	8.36	35.41	100	25	P	H
		2380.14	18.55	-35.45	54	-	-	-	-	-	-	A	H
	*	2441	112.49	-	-	107.7	31.73	8.5	35.44	100	25	P	H
	*	2441	87.73	-	-	-	-	-	-	-	-	A	H
		2483.69	44.21	-29.79	74	39	32.07	8.59	35.45	100	25	P	H
		2483.69	19.45	-34.55	54	-	-	-	-	-	-	A	H
		2321.06	44.27	-29.73	74	39.92	31.52	8.22	35.39	387	117	P	V
		2321.06	19.51	-34.49	54	-	-	-	-	-	-	A	V
	*	2441	111.04	-	-	106.25	31.73	8.5	35.44	387	117	P	V
	*	2441	86.28	-	-	-	-	-	-	-	-	A	V
		2487.05	44.88	-29.12	74	39.63	32.1	8.6	35.45	387	117	P	V
		2487.05	20.12	-33.88	54	-	-	-	-	-	-	A	V



BT CH 78 2480MHz	*	2480	111.68	-	-	106.5	32.04	8.59	35.45	115	26	P	H
	*	2480	86.92	-	-	-	-	-	-	-	-	A	H
		2483.68	47.92	-26.08	74	42.71	32.07	8.59	35.45	115	26	P	H
		2483.68	23.16	-30.84	54	-	-	-	-	-	-	A	H
													H
													H
	*	2480	109.05	-	-	103.87	32.04	8.59	35.45	333	122	P	V
	*	2480	84.29	-	-	-	-	-	-	-	-	A	V
		2484.92	45.41	-28.59	74	40.18	32.08	8.6	35.45	333	122	P	V
		2484.92	20.65	-33.35	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	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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	43.52	-30.48	74	54.8	34.01	12.7	57.99	-	-	P	H
		4804	18.76	-35.24	54	-	-	-	-	-	-	A	H
		14499	46.48	-27.52	74	43.31	39.6	21.66	58.09	-	-	P	H
		14499	21.72	-32.28	54	-	-	-	-	-	-	A	H
		15870	47.63	-26.37	74	41.21	40.84	22.52	56.94	-	-	P	H
		15870	22.87	-31.13	54	-	-	-	-	-	-	A	H
		17730	49.84	-24.16	74	40.89	41.53	23.56	56.14	-	-	P	H
		17730	25.08	-28.92	54	-	-	-	-	-	-	A	H
													H
													H
													H
													H
		4804	42.92	-31.08	74	54.2	34.01	12.7	57.99	-	-	P	V
		4804	18.16	-35.84	54	-	-	-	-	-	-	A	V
		14499	46.88	-27.12	74	43.71	39.6	21.66	58.09	-	-	P	V
		14499	22.12	-31.88	54	-	-	-	-	-	-	A	V
		16170	47.81	-26.19	74	40.69	41.2	22.69	56.77	-	-	P	V
		16170	23.05	-30.95	54	-	-	-	-	-	-	A	V
		17895	49.72	-24.28	74	40.7	41.41	23.65	56.04	-	-	P	V
		17895	24.96	-29.04	54	-	-	-	-	-	-	A	V
													V
													V
													V
													V



BT	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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 39 2441MHz		4882	43.13	-30.87	74	54.23	34.04	12.76	57.9	-	-	P	H
		4882	18.37	-35.63	54	-	-	-	-	-	-	A	H
		7323	40.93	-33.07	74	48.13	35.69	15.03	57.92	-	-	P	H
		7323	16.17	-37.83	54	-	-	-	-	-	-	A	H
		14490	46.91	-27.09	74	43.77	39.58	21.65	58.09	-	-	P	H
		14490	22.15	-31.85	54	-	-	-	-	-	-	A	H
		15855	47.64	-26.36	74	41.27	40.81	22.51	56.95	-	-	P	H
		15855	22.88	-31.12	54	-	-	-	-	-	-	A	H
		17805	50.23	-23.77	74	41.14	41.59	23.6	56.1	-	-	P	H
		17805	25.47	-28.53	54	-	-	-	-	-	-	A	H
													H
													H
		4882	42.27	-31.73	74	53.37	34.04	12.76	57.9	-	-	P	V
		4882	17.51	-36.49	54	-	-	-	-	-	-	A	V
		7323	41.54	-32.46	74	48.74	35.69	15.03	57.92	-	-	P	V
		7323	16.78	-37.22	54	-	-	-	-	-	-	A	V
		14475	47.36	-26.64	74	44.25	39.55	21.65	58.09	-	-	P	V
		14475	22.6	-31.4	54	-	-	-	-	-	-	A	V
		15825	47.41	-26.59	74	41.15	40.75	22.49	56.98	-	-	P	V
		15825	22.65	-31.35	54	-	-	-	-	-	-	A	V
		17730	49.51	-24.49	74	40.56	41.53	23.56	56.14	-	-	P	V
		17730	24.75	-29.25	54	-	-	-	-	-	-	A	V
													V
													V



BT	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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	45.45	-28.55	74	56.34	34.1	12.82	57.81	-	-	P	H
		4960	20.69	-33.31	54	-	-	-	-	-	-	A	H
		7440	40.39	-33.61	74	47.58	35.82	15.03	58.04	-	-	P	H
		7440	15.63	-38.37	54	-	-	-	-	-	-	A	H
		14475	47.49	-26.51	74	44.38	39.55	21.65	58.09	-	-	P	H
		14475	22.73	-31.27	54	-	-	-	-	-	-	A	H
		15690	47.32	-26.68	74	41.63	40.38	22.41	57.1	-	-	P	H
		15690	22.56	-31.44	54	-	-	-	-	-	-	A	H
		17910	49.53	-24.47	74	40.49	41.41	23.66	56.03	-	-	P	H
		17910	24.77	-29.23	54	-	-	-	-	-	-	A	H
													H
													H
		4960	43.63	-30.37	74	54.52	34.1	12.82	57.81	-	-	P	V
		4960	18.87	-35.13	54	-	-	-	-	-	-	A	V
		7440	40.5	-33.5	74	47.69	35.82	15.03	58.04	-	-	P	V
		7440	15.74	-38.26	54	-	-	-	-	-	-	A	V
		14499	46.97	-27.03	74	43.8	39.6	21.66	58.09	-	-	P	V
		14499	22.21	-31.79	54	-	-	-	-	-	-	A	V
		16125	47.16	-26.84	74	40.07	41.2	22.67	56.78	-	-	P	V
		16125	22.4	-31.6	54	-	-	-	-	-	-	A	V
		17775	49.72	-24.28	74	40.67	41.57	23.59	56.11	-	-	P	V
		17775	24.96	-29.04	54	-	-	-	-	-	-	A	V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												
	3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												
	4. The emission level close to 18GHz is checked that the average emission level is noise floor only.												



2.4GHz 2400~2483.5MHz

BT EDR (Band Edge @ 3m)

BT EDR	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
BT EDR CH00 2402MHz		2317.14	43.45	-30.55	74	39.09	31.53	8.22	35.39	131	19	P	H
		2317.14	18.69	-35.31	54	-	-	-	-	-	-	A	H
	*	2402	112.08	-	-	107.67	31.42	8.41	35.42	131	19	P	H
	*	2402	87.32	-	-	-	-	-	-	-	-	A	H
													H
													H
		2338.98	45.17	-28.83	74	40.86	31.44	8.27	35.4	354	212	P	V
		2338.98	20.41	-33.59	54	-	-	-	-	-	-	A	V
	*	2402	109.54	-	-	105.13	31.42	8.41	35.42	354	212	P	V
	*	2402	84.78	-	-	-	-	-	-	-	-	A	V
													V
													V
BT EDR CH 39 2441MHz		2369.5	44.02	-29.98	74	39.69	31.4	8.34	35.41	202	20	P	H
		2369.5	19.26	-34.74	54	-	-	-	-	-	-	A	H
	*	2441	111.64	-	-	106.85	31.73	8.5	35.44	202	20	P	H
	*	2441	86.88	-	-	-	-	-	-	-	-	A	H
		2491.88	44.47	-29.53	74	39.18	32.14	8.61	35.46	202	20	P	H
		2491.88	19.71	-34.29	54	-	-	-	-	-	-	A	H
		2389.52	44.96	-29.04	74	40.58	31.4	8.39	35.41	388	122	P	V
		2389.52	20.2	-33.8	54	-	-	-	-	-	-	A	V
	*	2441	110.18	-	-	105.39	31.73	8.5	35.44	388	122	P	V
	*	2441	85.42	-	-	-	-	-	-	-	-	A	V
		2489.22	44.04	-29.96	74	38.77	32.11	8.61	35.45	388	122	P	V
		2489.22	19.28	-34.72	54	-	-	-	-	-	-	A	V



BT EDR CH 78 2480MHz	*	2480	112.17	-	-	106.99	32.04	8.59	35.45	171	23	P	H
	*	2480	87.41	-	-	-	-	-	-	-	-	A	H
		2483.52	50.21	-23.79	74	45	32.07	8.59	35.45	171	23	P	H
		2483.52	25.45	-28.55	54	-	-	-	-	-	-	A	H
													H
													H
	*	2480	109.61	-	-	104.43	32.04	8.59	35.45	335	127	P	V
	*	2480	84.85	-	-	-	-	-	-	-	-	A	V
		2483.52	48.87	-25.13	74	43.66	32.07	8.59	35.45	335	127	P	V
		2483.52	24.11	-29.89	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 EDR (Harmonic @ 3m)

BT EDR	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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 EDR CH 00 2402MHz		4804	42.13	-31.87	74	53.41	34.01	12.7	57.99	-	-	P	H
		4804	17.37	-36.63	54	-	-	-	-	-	-	A	H
		14499	47.42	-26.58	74	44.25	39.6	21.66	58.09	-	-	P	H
		14499	22.66	-31.34	54	-	-	-	-	-	-	A	H
		16140	47.01	-26.99	74	39.91	41.2	22.68	56.78	-	-	P	H
		16140	22.25	-31.75	54	-	-	-	-	-	-	A	H
		17820	49.41	-24.59	74	40.33	41.56	23.61	56.09	-	-	P	H
		17820	24.65	-29.35	54	-	-	-	-	-	-	A	H
													H
													H
													H
													H
		4804	42.02	-31.98	74	53.3	34.01	12.7	57.99	-	-	P	V
		4804	17.26	-36.74	54	-	-	-	-	-	-	A	V
		14475	46.74	-27.26	74	43.63	39.55	21.65	58.09	-	-	P	V
		14475	21.98	-32.02	54	-	-	-	-	-	-	A	V
		16005	47.58	-26.42	74	40.8	41.01	22.6	56.83	-	-	P	V
		16005	22.82	-31.18	54	-	-	-	-	-	-	A	V
		17775	49.42	-24.58	74	40.37	41.57	23.59	56.11	-	-	P	V
		17775	24.66	-29.34	54	-	-	-	-	-	-	A	V
													V
													V
													V
													V



BT EDR	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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 EDR CH 39 2441MHz		4882	42.96	-31.04	74	54.06	34.04	12.76	57.9	-	-	P	H
		4882	18.2	-35.8	54	-	-	-	-	-	-	A	H
		7323	41.57	-32.43	74	48.77	35.69	15.03	57.92	-	-	P	H
		7323	16.81	-37.19	54	-	-	-	-	-	-	A	H
		14505	47.05	-26.95	74	43.88	39.59	21.67	58.09	-	-	P	H
		14505	22.29	-31.71	54	-	-	-	-	-	-	A	H
		15795	47.78	-26.22	74	41.62	40.69	22.48	57.01	-	-	P	H
		15795	23.02	-30.98	54	-	-	-	-	-	-	A	H
		17715	50.42	-23.58	74	41.51	41.51	23.55	56.15	-	-	P	H
		17715	25.66	-28.34	54	-	-	-	-	-	-	A	H
													H
													H
		4882	43.04	-30.96	74	54.14	34.04	12.76	57.9	-	-	P	V
		4882	18.28	-35.72	54	-	-	-	-	-	-	A	V
		7323	41.09	-32.91	74	48.29	35.69	15.03	57.92	-	-	P	V
		7323	16.33	-37.67	54	-	-	-	-	-	-	A	V
		14475	47.26	-26.74	74	44.15	39.55	21.65	58.09	-	-	P	V
		14475	22.5	-31.5	54	-	-	-	-	-	-	A	V
		15870	47.1	-26.9	74	40.68	40.84	22.52	56.94	-	-	P	V
		15870	22.34	-31.66	54	-	-	-	-	-	-	A	V
		17730	50.49	-23.51	74	41.54	41.53	23.56	56.14	-	-	P	V
		17730	25.73	-28.27	54	-	-	-	-	-	-	A	V
													V
													V



BT EDR	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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 EDR CH 78 2480MHz		4960	47.32	-26.68	74	58.21	34.1	12.82	57.81	-	-	P	H
		4960	22.56	-31.44	54	-	-	-	-	-	-	A	H
		7440	40.94	-33.06	74	48.13	35.82	15.03	58.04	-	-	P	H
		7440	16.18	-37.82	54	-	-	-	-	-	-	A	H
		14500	46.96	-27.04	74	43.79	39.59	21.67	58.09	-	-	P	H
		14500	22.2	-31.8	54	-	-	-	-	-	-	A	H
		16155	47.76	-26.24	74	40.64	41.2	22.69	56.77	-	-	P	H
		16155	23	-31	54	-	-	-	-	-	-	A	H
		17895	49.61	-24.39	74	40.59	41.41	23.65	56.04	-	-	P	H
		17895	24.85	-29.15	54	-	-	-	-	-	-	A	H
													H
													H
		4960	44.91	-29.09	74	55.8	34.1	12.82	57.81	-	-	P	V
		4960	20.15	-33.85	54	-	-	-	-	-	-	A	V
		7440	40.84	-33.16	74	48.03	35.82	15.03	58.04	-	-	P	V
		7440	16.08	-37.92	54	-	-	-	-	-	-	A	V
		14490	46.9	-27.1	74	43.76	39.58	21.65	58.09	-	-	P	V
		14490	22.14	-31.86	54	-	-	-	-	-	-	A	V
		16125	47.72	-26.28	74	40.63	41.2	22.67	56.78	-	-	P	V
		16125	22.96	-31.04	54	-	-	-	-	-	-	A	V
		17850	49.48	-24.52	74	40.43	41.5	23.62	56.07	-	-	P	V
		17850	24.72	-29.28	54	-	-	-	-	-	-	A	V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												
	3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												
	4. The emission level close to 18GHz is checked that the average emission level is noise floor only.												



MIMO <Ant. 4+3>

2.4GHz 2400~2483.5MHz

BT (Band Edge @ 3m)

BT	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
BT CH00 2402MHz		2387.91	43.58	-30.42	74	39.21	31.4	8.38	35.41	100	248	P	H
		2387.91	18.79	-35.21	54	-	-	-	-	-	-	A	H
	*	2402	113.94	-	-	109.53	31.42	8.41	35.42	100	248	P	H
	*	2402	89.15	-	-	-	-	-	-	-	-	A	H
													H
													H
		2312.31	44.5	-29.5	74	40.13	31.55	8.2	35.38	400	99	P	V
		2312.31	19.71	-34.29	54	-	-	-	-	-	-	A	V
	*	2402	114.76	-	-	110.35	31.42	8.41	35.42	400	99	P	V
	*	2402	89.97	-	-	-	-	-	-	-	-	A	V
													V
													V
BT CH 39 2441MHz		2371.18	43.63	-30.37	74	39.3	31.4	8.34	35.41	100	246	P	H
		2371.18	18.84	-35.16	54	-	-	-	-	-	-	A	H
	*	2441	111.82	-	-	107.03	31.73	8.5	35.44	100	246	P	H
	*	2441	87.03	-	-	-	-	-	-	-	-	A	H
		2490.97	44.27	-29.73	74	38.98	32.13	8.61	35.45	100	246	P	H
		2490.97	19.48	-34.52	54	-	-	-	-	-	-	A	H
		2388.68	44.28	-29.72	74	39.91	31.4	8.38	35.41	393	128	P	V
		2388.68	19.49	-34.51	54	-	-	-	-	-	-	A	V
	*	2441	112.72	-	-	107.93	31.73	8.5	35.44	393	128	P	V
	*	2441	87.93	-	-	-	-	-	-	-	-	A	V
		2487.75	44.71	-29.29	74	39.46	32.1	8.6	35.45	393	128	P	V
		2487.75	19.92	-34.08	54	-	-	-	-	-	-	A	V



BT CH 78 2480MHz	*	2480	111.68	-	-	106.5	32.04	8.59	35.45	100	196	P	H
	*	2480	86.89	-	-	-	-	-	-	-	-	A	H
		2483.92	46.47	-27.53	74	41.26	32.07	8.59	35.45	100	196	P	H
		2483.92	21.68	-32.32	54	-	-	-	-	-	-	A	H
													H
													H
	*	2480	111.01	-	-	105.83	32.04	8.59	35.45	331	133	P	V
	*	2480	86.22	-	-	-	-	-	-	-	-	A	V
		2484.44	45.5	-28.5	74	40.27	32.08	8.6	35.45	331	133	P	V
		2484.44	20.71	-33.29	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	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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	43.57	-30.43	74	54.85	34.01	12.7	57.99	-	-	P	H
		4804	18.78	-35.22	54	-	-	-	-	-	-	A	H
		14499	46.49	-27.51	74	43.32	39.6	21.66	58.09	-	-	P	H
		14499	21.7	-32.3	54	-	-	-	-	-	-	A	H
		15870	47.66	-26.34	74	41.24	40.84	22.52	56.94	-	-	P	H
		15870	22.87	-31.13	54	-	-	-	-	-	-	A	H
		17790	49.36	-24.64	74	40.28	41.59	23.6	56.11	-	-	P	H
		17790	24.57	-29.43	54	-	-	-	-	-	-	A	H
													H
													H
													H
													H
		4804	42.31	-31.69	74	53.59	34.01	12.7	57.99	-	-	P	V
		4804	17.52	-36.48	54	-	-	-	-	-	-	A	V
		14499	46.6	-27.4	74	43.43	39.6	21.66	58.09	-	-	P	V
		14499	21.81	-32.19	54	-	-	-	-	-	-	A	V
		15870	47.41	-26.59	74	40.99	40.84	22.52	56.94	-	-	P	V
		15870	22.62	-31.38	54	-	-	-	-	-	-	A	V
		17850	49.67	-24.33	74	40.62	41.5	23.62	56.07	-	-	P	V
		17850	24.88	-29.12	54	-	-	-	-	-	-	A	V
													V
													V
													V
													V



BT	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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 39 2441MHz		4882	42.26	-31.74	74	53.36	34.04	12.76	57.9	-	-	P	H
		4882	17.47	-36.53	54	-	-	-	-	-	-	A	H
		7323	41.15	-32.85	74	48.35	35.69	15.03	57.92	-	-	P	H
		7323	16.36	-37.64	54	-	-	-	-	-	-	A	H
		14499	46.43	-27.57	74	43.26	39.6	21.66	58.09	-	-	P	H
		14499	21.64	-32.36	54	-	-	-	-	-	-	A	H
		16005	47.69	-26.31	74	40.91	41.01	22.6	56.83	-	-	P	H
		16005	22.9	-31.1	54	-	-	-	-	-	-	A	H
		17820	49.44	-24.56	74	40.36	41.56	23.61	56.09	-	-	P	H
		17820	24.65	-29.35	54	-	-	-	-	-	-	A	H
													H
													H
		4882	42	-32	74	53.1	34.04	12.76	57.9	-	-	P	V
		4882	17.21	-36.79	54	-	-	-	-	-	-	A	V
		7323	41.12	-32.88	74	48.32	35.69	15.03	57.92	-	-	P	V
		7323	16.33	-37.67	54	-	-	-	-	-	-	A	V
		14499	46.86	-27.14	74	43.69	39.6	21.66	58.09	-	-	P	V
		14499	22.07	-31.93	54	-	-	-	-	-	-	A	V
		16155	47.99	-26.01	74	40.87	41.2	22.69	56.77	-	-	P	V
		16155	23.2	-30.8	54	-	-	-	-	-	-	A	V
		17700	49.69	-24.31	74	40.8	41.5	23.55	56.16	-	-	P	V
		17700	24.9	-29.1	54	-	-	-	-	-	-	A	V
													V
													V



BT	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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	45.94	-28.06	74	56.83	34.1	12.82	57.81	-	-	P	H
		4960	21.15	-32.85	54	-	-	-	-	-	-	A	H
		7440	40.66	-33.34	74	47.85	35.82	15.03	58.04	-	-	P	H
		7440	15.87	-38.13	54	-	-	-	-	-	-	A	H
		14499	46.5	-27.5	74	43.33	39.6	21.66	58.09	-	-	P	H
		14499	21.71	-32.29	54	-	-	-	-	-	-	A	H
		15855	47.76	-26.24	74	41.39	40.81	22.51	56.95	-	-	P	H
		15855	22.97	-31.03	54	-	-	-	-	-	-	A	H
		17715	50.63	-23.37	74	41.72	41.51	23.55	56.15	-	-	P	H
		17715	25.84	-28.16	54	-	-	-	-	-	-	A	H
													H
													H
		4960	45.64	-28.36	74	56.53	34.1	12.82	57.81	-	-	P	V
		4960	20.85	-33.15	54	-	-	-	-	-	-	A	V
		7440	40.45	-33.55	74	47.64	35.82	15.03	58.04	-	-	P	V
		7440	15.66	-38.34	54	-	-	-	-	-	-	A	V
		14499	46.84	-27.16	74	43.67	39.6	21.66	58.09	-	-	P	V
		14499	22.05	-31.95	54	-	-	-	-	-	-	A	V
		15675	47.84	-26.16	74	42.2	40.35	22.4	57.11	-	-	P	V
		15675	23.05	-30.95	54	-	-	-	-	-	-	A	V
		17850	49.64	-24.36	74	40.59	41.5	23.62	56.07	-	-	P	V
		17850	24.85	-29.15	54	-	-	-	-	-	-	A	V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												
	3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												
	4. The emission level close to 18GHz is checked that the average emission level is noise floor only.												



2.4GHz 2400~2483.5MHz

BT EDR (Band Edge @ 3m)

BT EDR	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
BT EDR CH00 2402MHz		2335.83	44.15	-29.85	74	39.82	31.46	8.26	35.39	100	250	P	H
		2335.83	19.39	-34.61	54	-	-	-	-	-	-	A	H
	*	2402	114	-	-	109.59	31.42	8.41	35.42	100	250	P	H
	*	2402	89.24	-	-	-	-	-	-	-	-	A	H
													H
													H
		2371.53	43.99	-30.01	74	39.66	31.4	8.34	35.41	400	98	P	V
		2371.53	19.23	-34.77	54	-	-	-	-	-	-	A	V
	*	2402	114.44	-	-	110.03	31.42	8.41	35.42	400	98	P	V
	*	2402	89.68	-	-	-	-	-	-	-	-	A	V
													V
													V
BT EDR CH 39 2441MHz		2316.02	44.46	-29.54	74	40.1	31.54	8.21	35.39	100	245	P	H
		2316.02	19.7	-34.3	54	-	-	-	-	-	-	A	H
	*	2441	110.77	-	-	105.98	31.73	8.5	35.44	100	245	P	H
	*	2441	86.01	-	-	-	-	-	-	-	-	A	H
		2496.64	44.34	-29.66	74	39.01	32.17	8.62	35.46	100	245	P	H
		2496.64	19.58	-34.42	54	-	-	-	-	-	-	A	H
		2360.68	44.61	-29.39	74	40.29	31.4	8.32	35.4	389	115	P	V
		2360.68	19.85	-34.15	54	-	-	-	-	-	-	A	V
	*	2441	112.15	-	-	107.36	31.73	8.5	35.44	389	115	P	V
	*	2441	87.39	-	-	-	-	-	-	-	-	A	V
		2498.53	44.2	-29.8	74	38.84	32.19	8.63	35.46	389	115	P	V
		2498.53	19.44	-34.56	54	-	-	-	-	-	-	A	V



BT EDR CH 78 2480MHz	*	2480	110.59	-	-	105.41	32.04	8.59	35.45	100	244	P	H
	*	2480	85.83	-	-	-	-	-	-	-	-	A	H
		2499.44	45.39	-28.61	74	40.02	32.2	8.63	35.46	100	244	P	H
		2499.44	20.63	-33.37	54	-	-	-	-	-	-	A	H
													H
													H
	*	2480	109.81	-	-	104.63	32.04	8.59	35.45	335	133	P	V
	*	2480	85.05	-	-	-	-	-	-	-	-	A	V
		2483.6	46.76	-27.24	74	41.55	32.07	8.59	35.45	335	133	P	V
		2483.6	22	-32	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 EDR (Harmonic @ 3m)

BT EDR	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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 EDR CH 00 2402MHz		4804	42.28	-31.72	74	53.56	34.01	12.7	57.99	-	-	P	H
		4804	17.52	-36.48	54	-	-	-	-	-	-	A	H
		14490	47.45	-26.55	74	44.31	39.58	21.65	58.09	-	-	P	H
		14490	22.69	-31.31	54	-	-	-	-	-	-	A	H
		15510	47.37	-26.63	74	42.12	40.2	22.3	57.25	-	-	P	H
		15510	22.61	-31.39	54	-	-	-	-	-	-	A	H
		17820	49.67	-24.33	74	40.59	41.56	23.61	56.09	-	-	P	H
		17820	24.91	-29.09	54	-	-	-	-	-	-	A	H
													H
													H
													H
													H
		4804	41.32	-32.68	74	52.6	34.01	12.7	57.99	-	-	P	V
		4804	16.56	-37.44	54	-	-	-	-	-	-	A	V
		14475	46.4	-27.6	74	43.29	39.55	21.65	58.09	-	-	P	V
		14475	21.64	-32.36	54	-	-	-	-	-	-	A	V
		15885	47.44	-26.56	74	40.98	40.87	22.52	56.93	-	-	P	V
		15885	22.68	-31.32	54	-	-	-	-	-	-	A	V
		17895	49.38	-24.62	74	40.36	41.41	23.65	56.04	-	-	P	V
		17895	24.62	-29.38	54	-	-	-	-	-	-	A	V
													V
													V
													V
													V



BT EDR	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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 EDR CH 39 2441MHz		4882	41.84	-32.16	74	52.94	34.04	12.76	57.9	-	-	P	H
		4882	17.08	-36.92	54	-	-	-	-	-	-	A	H
		7323	41.75	-32.25	74	48.95	35.69	15.03	57.92	-	-	P	H
		7323	16.99	-37.01	54	-	-	-	-	-	-	A	H
		14490	47.82	-26.18	74	44.68	39.58	21.65	58.09	-	-	P	H
		14490	23.06	-30.94	54	-	-	-	-	-	-	A	H
		16170	47.81	-26.19	74	40.69	41.2	22.69	56.77	-	-	P	H
		16170	23.05	-30.95	54	-	-	-	-	-	-	A	H
		17790	49.81	-24.19	74	40.73	41.59	23.6	56.11	-	-	P	H
		17790	25.05	-28.95	54	-	-	-	-	-	-	A	H
													H
													H
		4882	41.66	-32.34	74	52.76	34.04	12.76	57.9	-	-	P	V
		4882	16.9	-37.1	54	-	-	-	-	-	-	A	V
		7323	41.69	-32.31	74	48.89	35.69	15.03	57.92	-	-	P	V
		7323	16.93	-37.07	54	-	-	-	-	-	-	A	V
		14499	46.62	-27.38	74	43.45	39.6	21.66	58.09	-	-	P	V
		14499	21.86	-32.14	54	-	-	-	-	-	-	A	V
		15990	47.15	-26.85	74	40.4	40.99	22.6	56.84	-	-	P	V
		15990	22.39	-31.61	54	-	-	-	-	-	-	A	V
		17925	49.43	-24.57	74	40.35	41.43	23.67	56.02	-	-	P	V
		17925	24.67	-29.33	54	-	-	-	-	-	-	A	V
													V
													V



BT EDR	Note	Frequency (MHz)	Level (dBμV/m)	Margin (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 EDR CH 78 2480MHz		4960	42.02	-31.98	74	52.91	34.1	12.82	57.81	-	-	P	H
		4960	17.26	-36.74	54	-	-		-	-	-	A	H
		7440	40.27	-33.73	74	47.46	35.82	15.03	58.04	-	-	P	H
		7440	15.51	-38.49	54	-	-		-	-	-	A	H
		14499	46.86	-27.14	74	43.69	39.6	21.66	58.09	-	-	P	H
		14499	22.1	-31.9	54	-	-		-	-	-	A	H
		15705	47.19	-26.81	74	41.44	40.42	22.41	57.08	-	-	P	H
		15705	22.43	-31.57	54	-	-		-	-	-	A	H
		17730	50.15	-23.85	74	41.2	41.53	23.56	56.14	-	-	P	H
		17730	25.39	-28.61	54	-	-		-	-	-	A	H
													H
													H
		4960	41.98	-32.02	74	52.87	34.1	12.82	57.81	-	-	P	V
		4960	17.22	-36.78	54	-	-		-	-	-	A	V
		7440	40.69	-33.31	74	47.88	35.82	15.03	58.04	-	-	P	V
		7440	15.93	-38.07	54	-	-		-	-	-	A	V
		14490	46.95	-27.05	74	43.81	39.58	21.65	58.09	-	-	P	V
		14490	22.19	-31.81	54	-	-		-	-	-	A	V
		16155	47.44	-26.56	74	40.32	41.2	22.69	56.77	-	-	P	V
		16155	22.68	-31.32	54	-	-		-	-	-	A	V
		17701	49.65	-24.35	74	40.76	41.5	23.55	56.16	-	-	P	V
		17701	24.89	-29.11	54	-	-		-	-	-	A	V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												
	3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												
	4. The emission level close to 18GHz is checked that the average emission level is noise floor only.												

Emission above 18GHz

2.4GHz BT EDR (SHF)

[illegible]

Emission below 1GHz

2.4GHz BT EDR (LF)

BT EDR	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz BT EDR LF		30.81	21.5	-18.5	40	26.68	23.97	0.96	30.11	-	-	P	H
		40.26	18.65	-21.35	40	28.52	19.26	0.93	30.06	-	-	P	H
		214.14	27.35	-16.15	43.5	39.91	14.87	2.38	29.81	-	-	P	H
		778.1	29.64	-16.36	46	26.51	27.78	4.68	29.33	-	-	P	H
		850.2	30.73	-15.27	46	26.25	28.65	4.89	29.06	-	-	P	H
		949.6	33.87	-12.13	46	27.05	30.29	5.18	28.65	-	-	P	H
													H
													H
													H
													H
													H
													H
		30	32.49	-7.51	40	37.06	24.57	0.97	30.11	-	-	P	V
		35.67	24.89	-15.11	40	32.48	21.59	0.9	30.08	-	-	P	V
		56.19	22.11	-17.89	40	38.63	12.37	1.14	30.03	-	-	P	V
		762.7	29.91	-16.09	46	26.94	27.73	4.62	29.38	-	-	P	V
		854.4	31.29	-14.71	46	26.63	28.8	4.9	29.04	-	-	P	V
		953.8	33.13	-12.87	46	26.09	30.49	5.19	28.64	-	-	P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against limit line.												
	3. The emission position marked as “-” means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only.												



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 Margin limit line.
P/A	Peak or Average
H/V	Horizontal or Vertical

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

BT	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(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. Margin 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. Margin Limit(dB)
= Level(dBμV/m) – Limit Line(dBμV/m)
= 55.45(dBμV/m) – 74(dBμV/m)
= -18.55(dB)

Peak measured complies with the limit line, so test result is “PASS”.

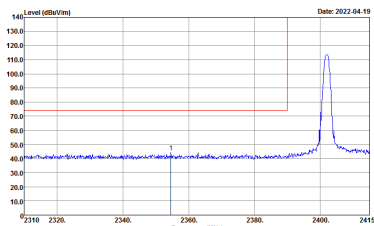
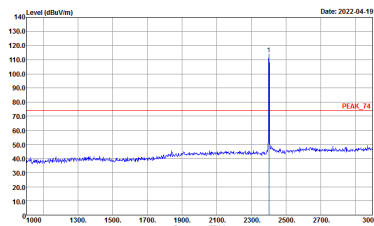


Appendix D. Radiated Spurious Emission Plots

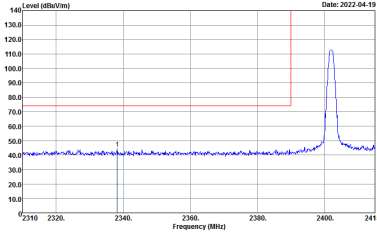
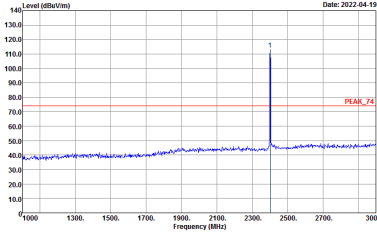
Test Engineer :	Jesse Wang, Stan Hsieh, Ken Wu	Temperature :	22.8~24.9°C
		Relative Humidity :	52.6~61.1%

2.4GHz 2400~2483.5MHz

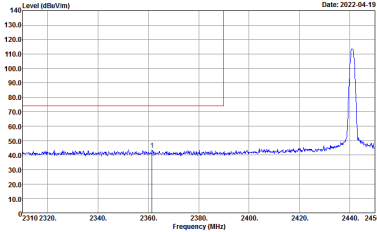
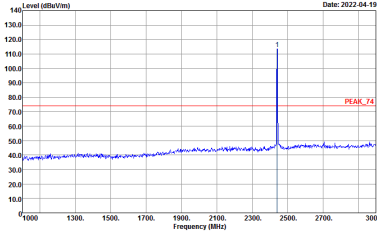
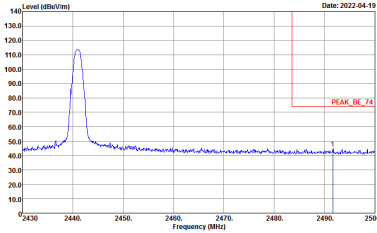
BT (Band Edge @ 3m)

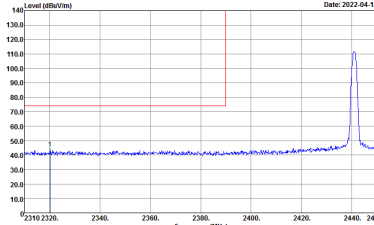
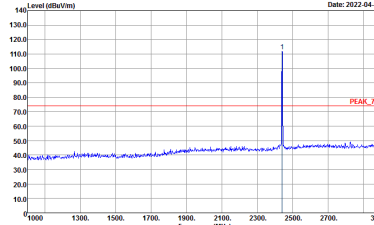
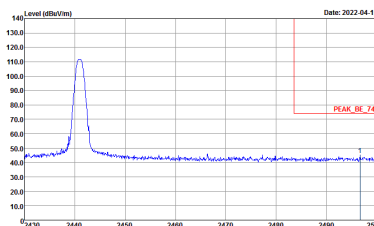
BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH00 2402MHz	
4	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH00 2402MHz	
4	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

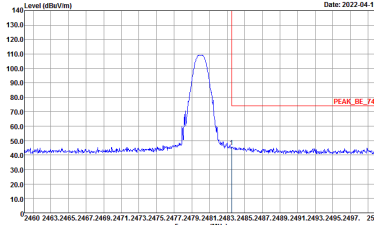
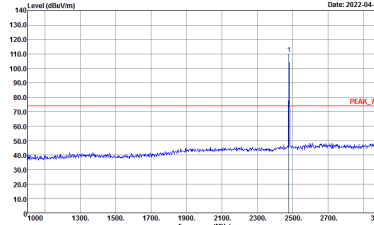


BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH39 2441MHz	
4	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_RE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_RE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Peak	 Site : 03CH07-HY Condition : PEAK_RE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank

BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH39 2441MHz	
4	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_RE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_RE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Peak	 Site : 03CH07-HY Condition : PEAK_RE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank



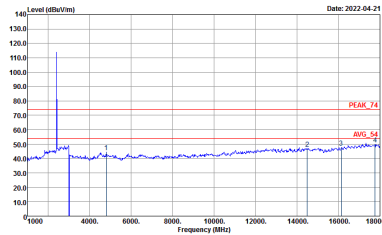
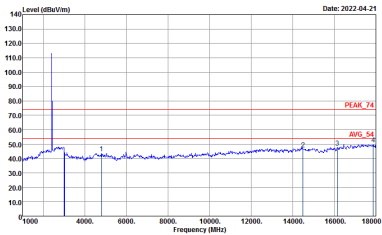
BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH78 2480MHz	
4	Horizontal	Fundamental
Peak	Level (dBuV/m) Date: 2022-04-19 PEAK_HF_74 Frequency (MHz) Site : 03CH07-HY Condition : PEAK_HF_74 3m HF ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Level (dBuV/m) Date: 2022-04-19 PEAK_F4 Frequency (MHz) Site : 03CH07-HY Condition : PEAK_F4 3m HF ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH78 2480MHz	
4	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BF_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_74 3m HF ANT_00075962 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	
4	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-4V Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak	 Site : 03CH07-4V Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL Detector : Peak



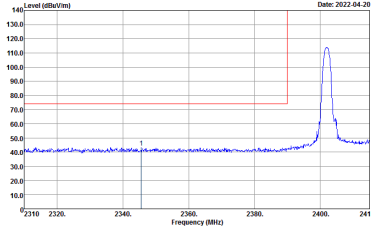
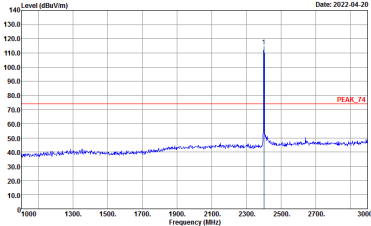
BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH39 2441MHz	
4	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2022-04-21 Site : 03CH07-HY Condition : PEAK_74 3m HF ANT 00075962 HORIZONTAL	Level (dBuV/m) Date: 2022-04-21 Site : 03CH07-HY Condition : PEAK_74 3m HF ANT 00075962 VERTICAL



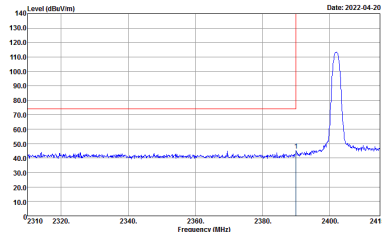
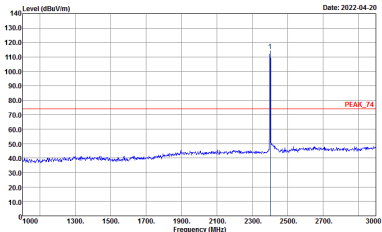
BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH78 2480MHz	
4	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2022-04-21 Site : 03CH07-HY Condition : PEAK_74 3m HF ANT 00075962 HORIZONTAL	Level (dBuV/m) Date: 2022-04-21 Site : 03CH07-HY Condition : PEAK_74 3m HF ANT 00075962 VERTICAL



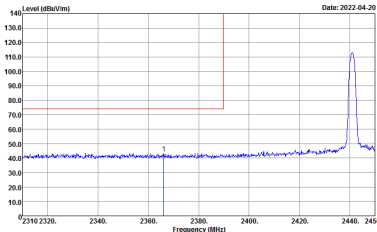
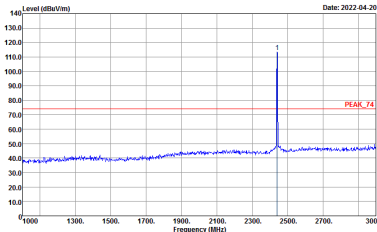
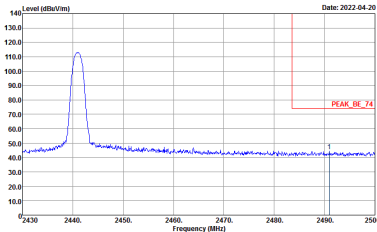
2.4GHz 2400~2483.5MHz
BT EDR (Band Edge @ 3m)

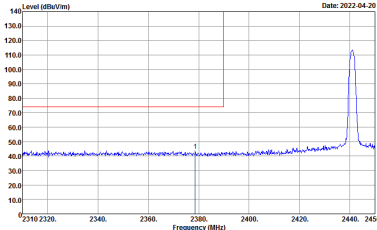
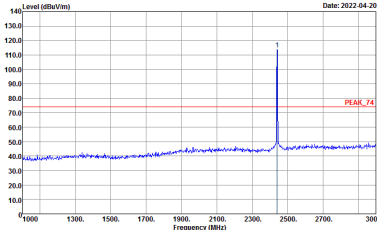
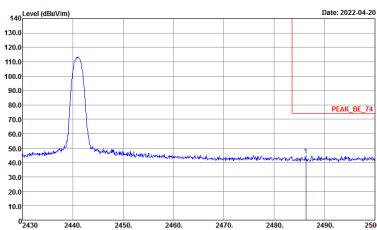
BT EDR	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT EDR CH00 2402MHz	
4	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_85_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto	 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto



BT EDR	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT EDR CH00 2402MHz	
4	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : : PEAK_RE_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : : PEAK_RE_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto



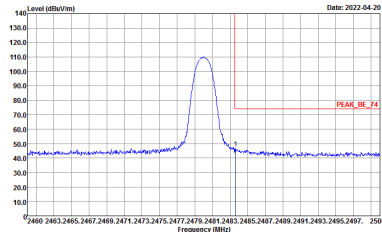
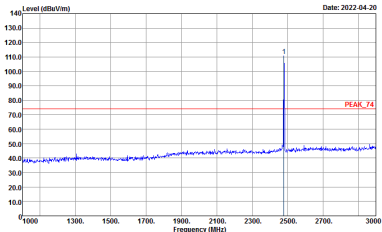
BT EDR	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT EDR CH39 2441MHz	
4	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_74 3m HF ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank

BT EDR	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT EDR CH39 2441MHz	
4	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank



BT EDR	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT EDR CH78 2480MHz	
4	Horizontal	Fundamental
Peak	Level (dBuV/m) Date: 2022-04-20 2460 2463.2465 2467.2469 2471.2473 2475.2477 2479.2481 2483.2485 2487.2489 2491 2493 2495 2497 2500 Frequency (MHz) Site : 03CH07-HY Condition : PEAK_BE_74 3m HF ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Level (dBuV/m) Date: 2022-04-20 2400 2430 2460 2490 2520 2550 2580 2610 2640 2670 2700 2730 2760 2790 2820 2850 2880 2910 2940 2970 3000 Frequency (MHz) Site : 03CH07-HY Condition : PEAK_74 3m HF ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto



BT EDR	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT EDR CH78 2480MHz	
4	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

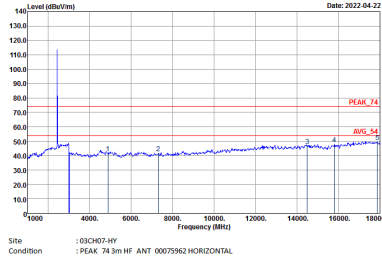
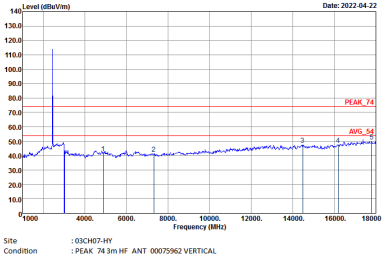


2.4GHz 2400~2483.5MHz

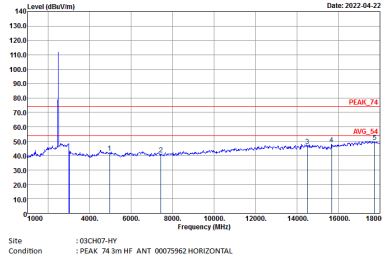
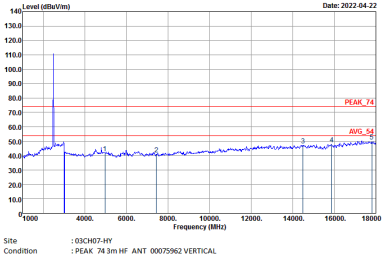
BT EDR (Harmonic @ 3m)

BT EDR	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT EDR CH00 2402MHz	
4	Horizontal	Vertical
Peak Avg.	Level (dBu/V/m) Date: 2022-04-22 PEAK_74 AVG_54 Site : 03CH07-HY Condition : PEAK 74 3m HF ANT 00075962 HORIZONTAL	Level (dBu/V/m) Date: 2022-04-22 PEAK_74 AVG_54 Site : 03CH07-HY Condition : PEAK 74 3m HF ANT 00075962 VERTICAL



BT EDR	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT EDR CH39 2441MHz	
4	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK_74 3m HF ANT 00075962 HORIZONTAL	 Site : 03CH07-HY Condition : PEAK_74 3m HF ANT 00075962 VERTICAL

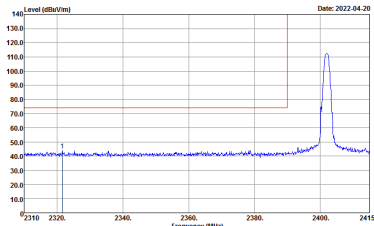
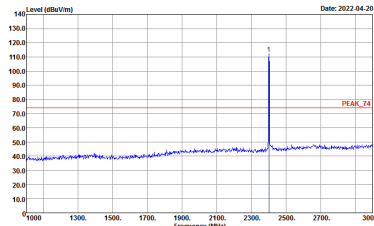


BT EDR	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT EDR CH78 2480MHz	
4	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK_74 3m HF ANT 00075962 HORIZONTAL	 Site : 03CH07-HY Condition : PEAK_74 3m HF ANT 00075962 VERTICAL

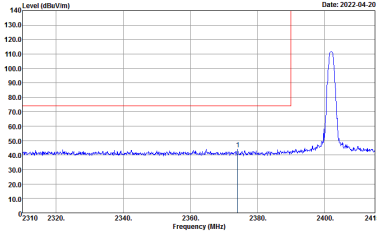
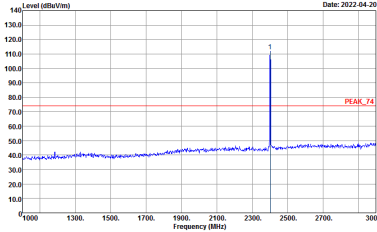


2.4GHz 2400~2483.5MHz

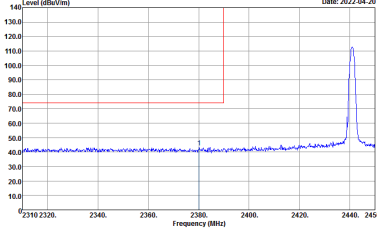
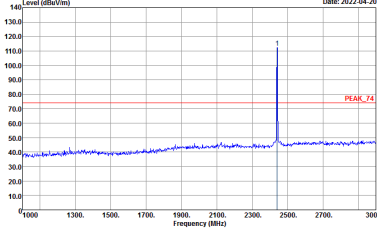
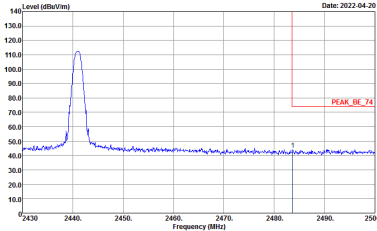
BT (Band Edge @ 3m)

BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH00 2402MHz	
3	Horizontal	Fundamental
Peak	 Site : 03CH07-HF Condition : PEAK_85_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto	 Site : 03CH07-HF Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH00 2402MHz	
3	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto	 Site : 03CH07-HY Condition : PEAK_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH39 2441MHz	
3	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_RE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_RE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Peak	 Site : 03CH07-HY Condition : PEAK_RE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH39 2441MHz	
3	Vertical	Fundamental
Peak	Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Peak	Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH78 2480MHz	
3	Horizontal	Fundamental
Peak	Level (dBuV/m) Date: 2022-04-19 Frequency (MHz) Site : 03CH07-HY Condition : PEAK_BE_74 3m HF ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Level (dBuV/m) Date: 2022-04-19 Frequency (MHz) Site : 03CH07-HY Condition : PEAK_74 3m HF ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

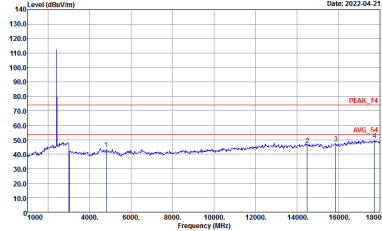
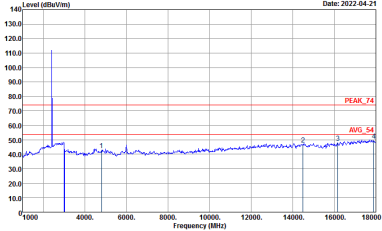


BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH78 2480MHz	
3	Vertical	Fundamental
Peak	Level (dBuV/m) Date: 2022-04-19 Frequency (MHz) Site : 03CH07-HY Condition : PEAK_BF_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto	Level (dBuV/m) Date: 2022-04-19 Frequency (MHz) Site : 03CH07-HY Condition : PEAK_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto



2.4GHz 2400~2483.5MHz

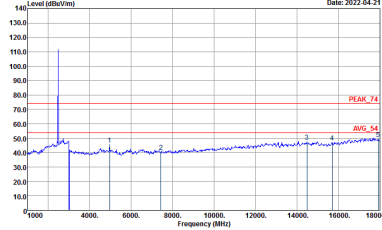
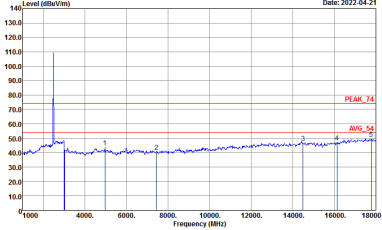
BT (Harmonic @ 3m)

BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH00 2402MHz	
3	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK_74 3m HF ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition : PEAK_74 3m HF ANT_00075962 VERTICAL



BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH39 2441MHz	
3	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2022-04-21 Site : 03CH07-HY Condition : PEAK 74 3m HF ANT 00075962 HORIZONTAL	Level (dBuV/m) Date: 2022-04-21 Site : 03CH07-HY Condition : PEAK 74 3m HF ANT 00075962 VERTICAL



BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH78 2480MHz	
3	Horizontal	Vertical
Peak Avg.	Level (dBu/1m) Date: 2022-04-21  Site : 03CH07-HY Condition : PEAK_74 3m HF ANT 00075962 HORIZONTAL	Level (dBu/1m) Date: 2022-04-21  Site : 03CH07-HY Condition : PEAK_74 3m HF ANT 00075962 VERTICAL

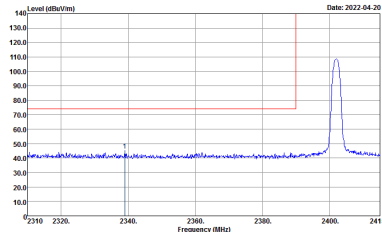
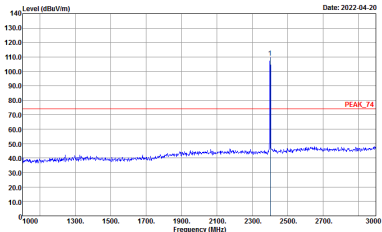


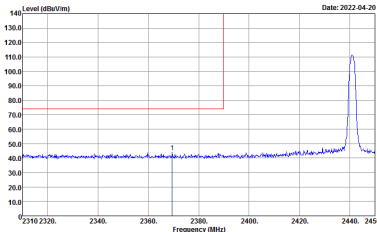
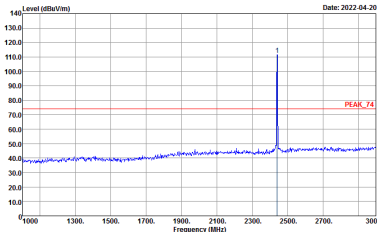
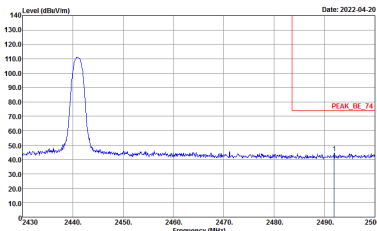
2.4GHz 2400~2483.5MHz

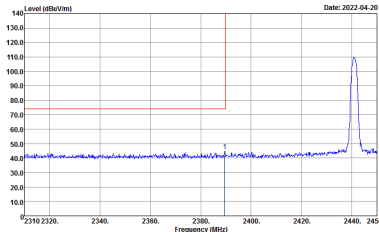
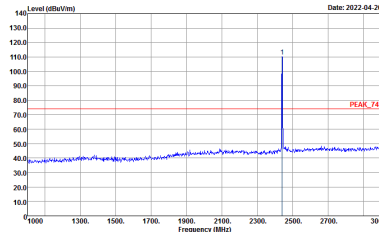
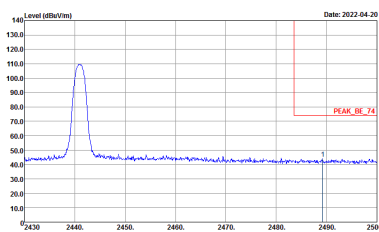
BT EDR (Band Edge @ 3m)

BT EDR	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT EDR CH00 2402MHz	
3	Horizontal	Fundamental
Peak	Site : 03CH07-HY Condition : PEAK_85_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto	Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto

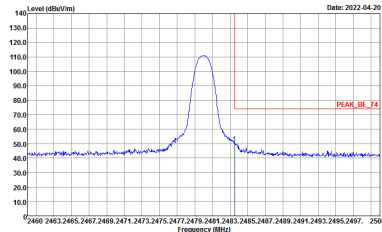
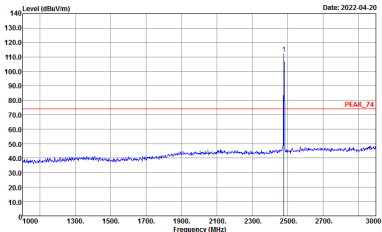


BT EDR	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT EDR CH00 2402MHz	
3	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : : PEAK_RE_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : : PEAK_RE_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

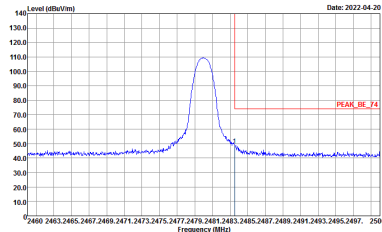
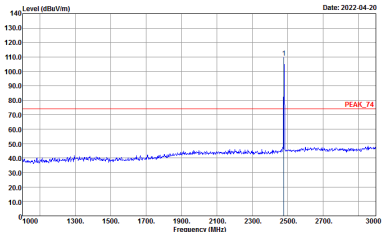
BT EDR	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT EDR CH39 2441MHz	
3	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_RE_74 3m HF ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_RE_74 3m HF ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Peak	 Site : 03CH07-HY Condition : PEAK_RE_74 3m HF ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank

BT EDR	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT EDR CH39 2441MHz	
3	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_RE_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_RE_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Peak	 Site : 03CH07-HY Condition : PEAK_RE_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank



BT EDR	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT EDR CH78 2480MHz	
3	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : : PEAK_BE_74 3m HF ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : : PEAK_BE_74 3m HF ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto



BT EDR	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT EDR CH78 2480MHz	
3	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

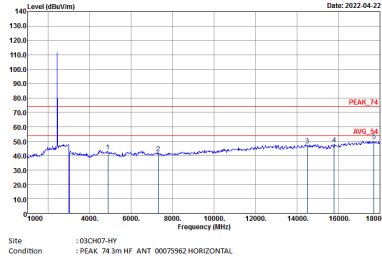
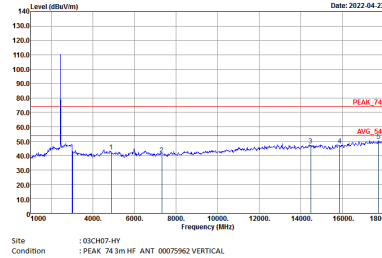


2.4GHz 2400~2483.5MHz

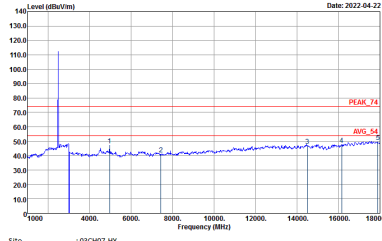
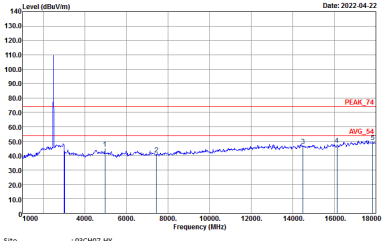
BT EDR (Harmonic @ 3m)

BT EDR	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT EDR CH00 2402MHz	
3	Horizontal	Vertical
Peak Avg.	Level (dBu/V/m) Date: 2022-04-22 Site : 03CH07-HY Condition : PEAK 74 3m HF ANT 00075962 HORIZONTAL	Level (dBu/V/m) Date: 2022-04-22 Site : 03CH07-HY Condition : PEAK 74 3m HF ANT 00075962 VERTICAL



BT EDR	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT EDR CH39 2441MHz	
3	Horizontal	Vertical
Peak Avg.		

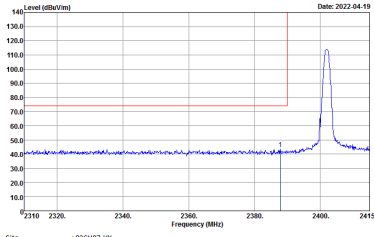
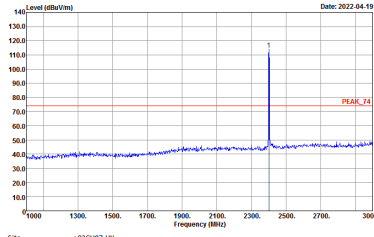


BT EDR	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT EDR CH78 2480MHz	
3	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK_74 3m HF ANT 00075962 HORIZONTAL	 Site : 03CH07-HY Condition : PEAK_74 3m HF ANT 00075962 VERTICAL



2.4GHz 2400~2483.5MHz

BT (Band Edge @ 3m)

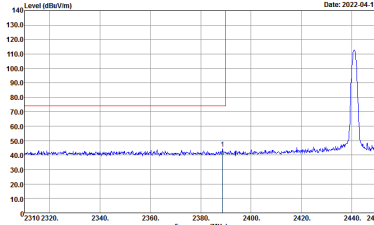
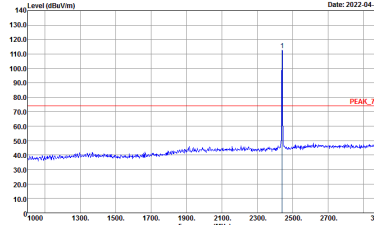
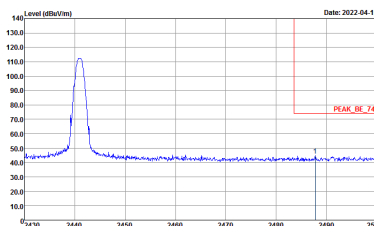
BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH00 2402MHz	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_85_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto	 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH00 2402MHz	
4+3	Vertical	Fundamental
Peak	Level (dBuV/m) Date: 2022-04-19 Frequency (MHz) Site : 03CH07-HY Condition : PEAK_BE_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Level (dBuV/m) Date: 2022-04-19 Frequency (MHz) Site : 03CH07-HY Condition : PEAK_BE_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

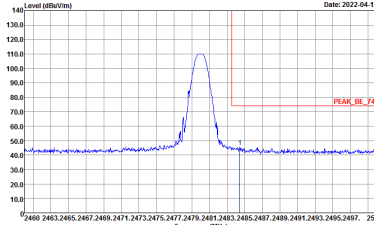
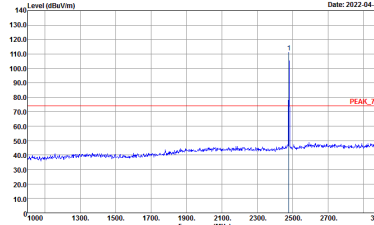


BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH39 2441MHz	
4+3	Horizontal	Fundamental
Peak	Site : 03CH07-HY Condition : PEAK_RE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Site : 03CH07-HY Condition : PEAK_RE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Peak	Site : 03CH07-HY Condition : PEAK_RE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank

BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH39 2441MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_RE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_RE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Peak	 Site : 03CH07-HY Condition : PEAK_RE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank



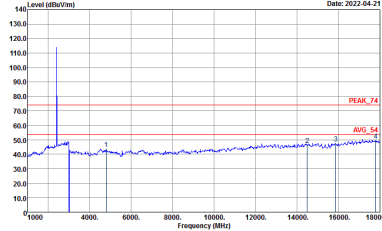
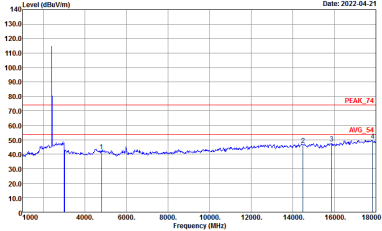
BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH78 2480MHz	
4+3	Horizontal	Fundamental
Peak	Level (dBuV/m) Date: 2022-04-19 PEAK_BF_74 Frequency (MHz) Site : 03CH07-HY Condition : PEAK_BF_74 3m HF ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Level (dBuV/m) Date: 2022-04-19 PEAK_74 Frequency (MHz) Site : 03CH07-HY Condition : PEAK_74 3m HF ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH78 2480MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_74 3m HF ANT_00075962 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	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK_74 3m HF ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition : PEAK_74 3m HF ANT_00075962 VERTICAL



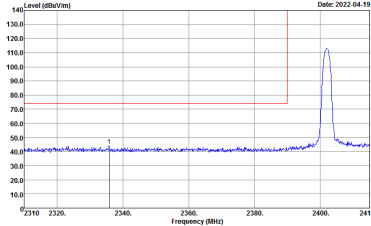
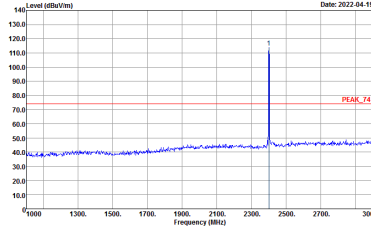
BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH39 2441MHz	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2022-04-21 Site : 03CH07-HY Condition : PEAK_74 3m HF ANT 00075962 HORIZONTAL	Level (dBuV/m) Date: 2022-04-21 Site : 03CH07-HY Condition : PEAK_74 3m HF ANT 00075962 VERTICAL



BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH78 2480MHz	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2022-04-21 Site : 03CH07-HY Condition : PEAK_74 3m HF ANT 00075962 HORIZONTAL	Level (dBuV/m) Date: 2022-04-21 Site : 03CH07-HY Condition : PEAK_74 3m HF ANT 00075962 VERTICAL

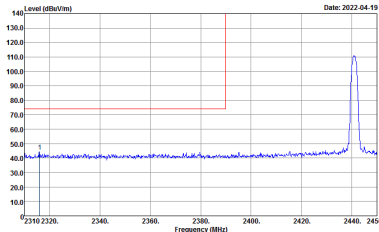
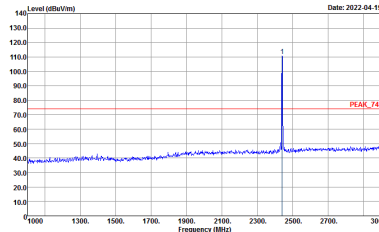
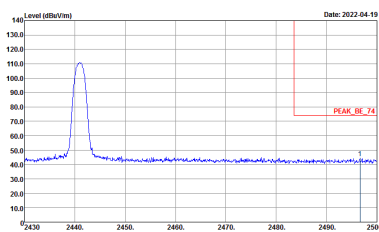


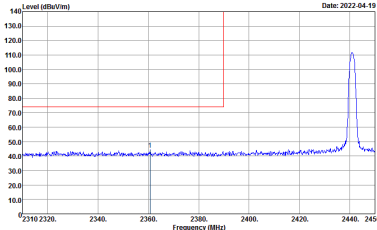
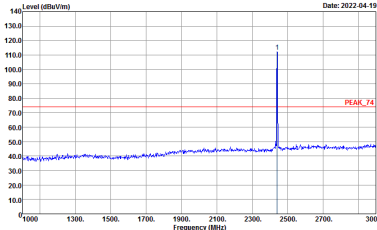
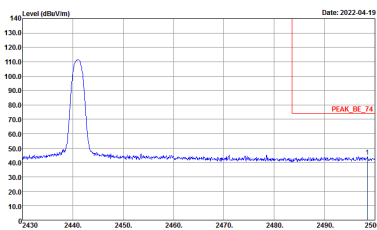
2.4GHz 2400~2483.5MHz
BT EDR (Band Edge @ 3m)

BT EDR	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT EDR CH00 2402MHz	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH07-4H Condition : PEAK_BE_24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWTAuto	 Site : 03CH07-4H Condition : PEAK_24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWTAuto

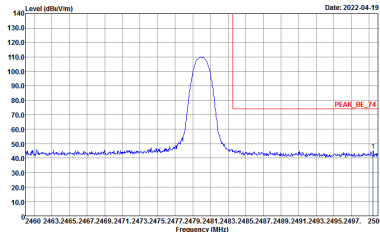
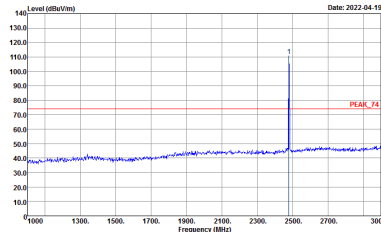


BT EDR	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT EDR CH00 2402MHz	
4+3	Vertical	Fundamental
Peak	Level (dBu/V/m) Date: 2022-04-19 Frequency (MHz) Site : 03CH07-HY Condition : : PEAK_BE_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Level (dBu/V/m) Date: 2022-04-19 Frequency (MHz) Site : 03CH07-HY Condition : : PEAK_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

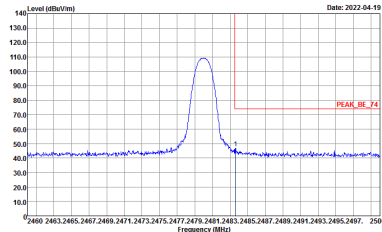
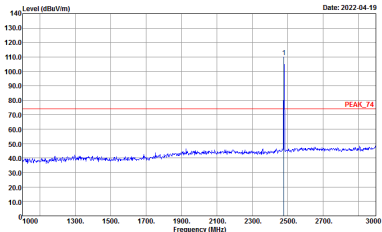
BT EDR	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT EDR CH39 2441MHz	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_74 3m HF ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank

BT EDR	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT EDR CH39 2441MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_RE_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_RE_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Peak	 Site : 03CH07-HY Condition : PEAK_RE_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank



BT EDR	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT EDR CH78 2480MHz	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : : PEAK_74 3m HF ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : : PEAK_74 3m HF ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto



BT EDR	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT EDR CH78 2480MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : : PEAK_BE_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : : PEAK_74 3m HF ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

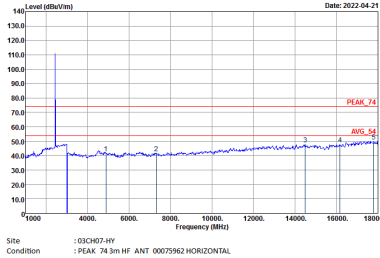
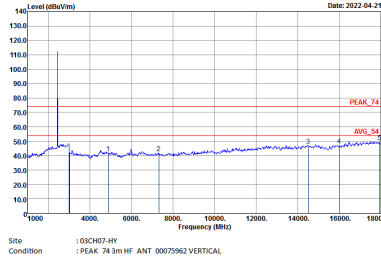


2.4GHz 2400~2483.5MHz

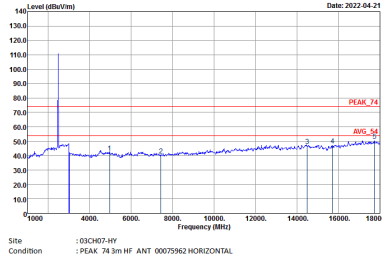
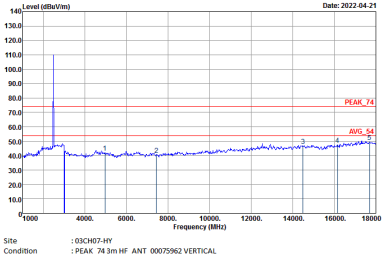
BT EDR (Harmonic @ 3m)

BT EDR	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT EDR CH00 2402MHz	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBu/1m) Date: 2022-04-21 PEAK_74 AVG_54 Site : 03CH07-HY Condition : PEAK 74 3m HF ANT 00075962 HORIZONTAL	Level (dBu/1m) Date: 2022-04-21 PEAK_74 AVG_54 Site : 03CH07-HY Condition : PEAK 74 3m HF ANT 00075962 VERTICAL



BT EDR	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT EDR CH39 2441MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK_74 3m HF ANT 00075962 HORIZONTAL	 Site : 03CH07-HY Condition : PEAK_74 3m HF ANT 00075962 VERTICAL



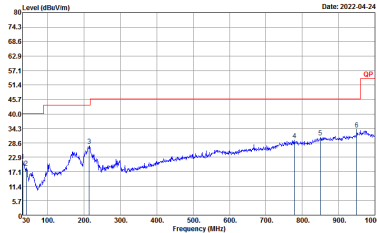
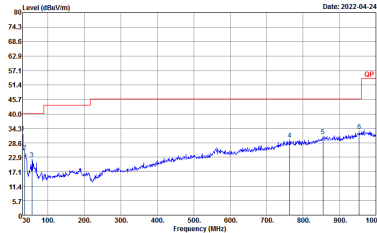
BT EDR	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT EDR CH78 2480MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK_74 3m HF ANT 00075962 HORIZONTAL	 Site : 03CH07-HY Condition : PEAK_74 3m HF ANT 00075962 VERTICAL



Emission above 18GHz
2.4GHz BT EDR (SHF @ 1m)

BT EDR	2.4GHz 2400~2483.5MHz	
ANT	BT EDR SHF	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2022-04-24 Site : 03CH07-HY Condition : PEAK_74 1m SHF-EHF 9170251 HORIZONTAL	Level (dBuV/m) Date: 2022-04-24 Site : 03CH07-HY Condition : PEAK_74 1m SHF-EHF 9170251 VERTICAL

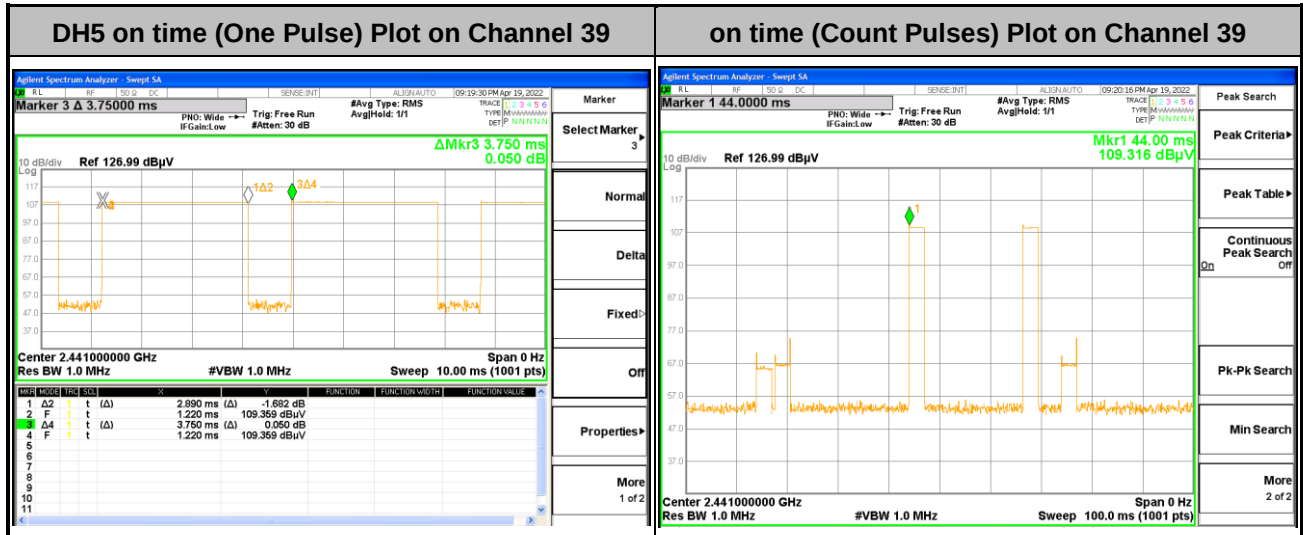
Emission below 1GHz
2.4GHz BT EDR (LF)

BT EDR	2.4GHz 2400~2483.5MHz	
ANT	BT EDR LF	
4+3	Horizontal	Vertical
QP / Peak	 Site : 03CH07-HY Condition : QP 3m LF-ANT-3541916 HORIZONTAL	 Site : 03CH07-HY Condition : QP 3m LF-ANT-3541916 VERTICAL



Appendix E. Duty Cycle Plots

<Ant. 4>



Note:

1. Worst case Duty cycle = on time/100 milliseconds = $2 \times 2.89 / 100 = 5.76 \%$
2. Worst case Duty cycle correction factor = $20 \times \log(\text{Duty cycle}) = -24.76 \text{ dB}$
3. DH5 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 on time period to have DH5 packet completing one hopping sequence is

$$2.89 \text{ ms} \times 20 \text{ channels} = 57.6 \text{ ms}$$

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:

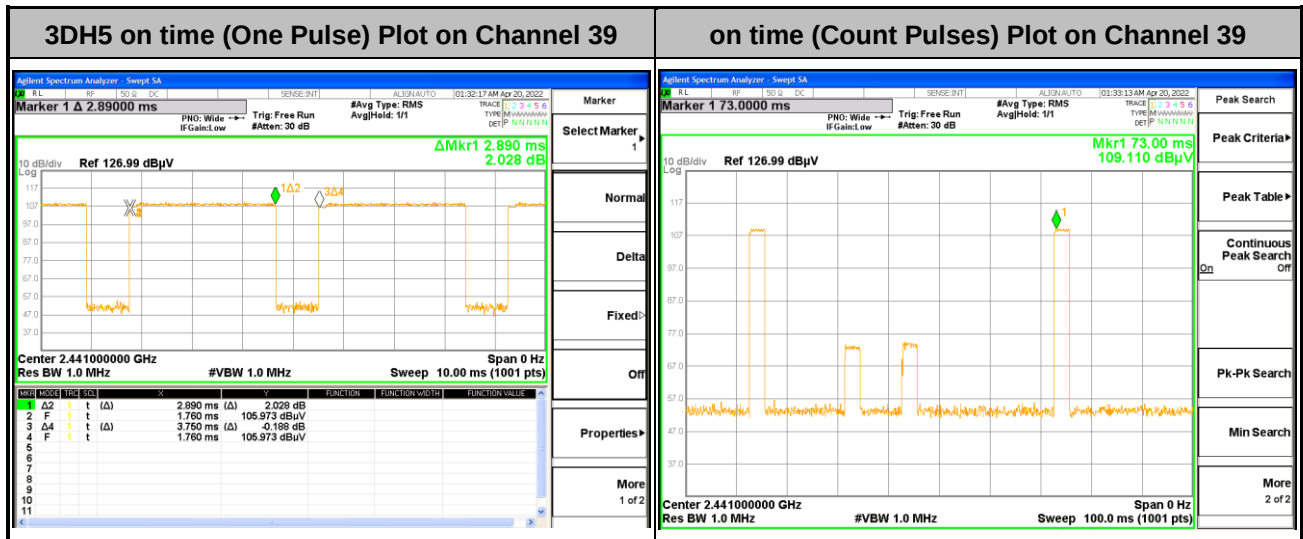
$$2.89 \text{ ms} \times 2 = 5.76 \text{ ms}$$

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

$$20 \times \log(5.76 \text{ ms}/100 \text{ ms}) = -24.76 \text{ dB}$$



<Ant. 4 EDR>



Note:

1. Worst case Duty cycle = on time/100 milliseconds = $2 * 2.89 / 100 = 5.76 \%$
2. Worst case Duty cycle correction factor = $20 * \log(\text{Duty cycle}) = -24.76 \text{ dB}$
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 on time period to have DH5 packet completing one hopping sequence is

$$2.89 \text{ ms} \times 20 \text{ channels} = 57.6 \text{ ms}$$

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:

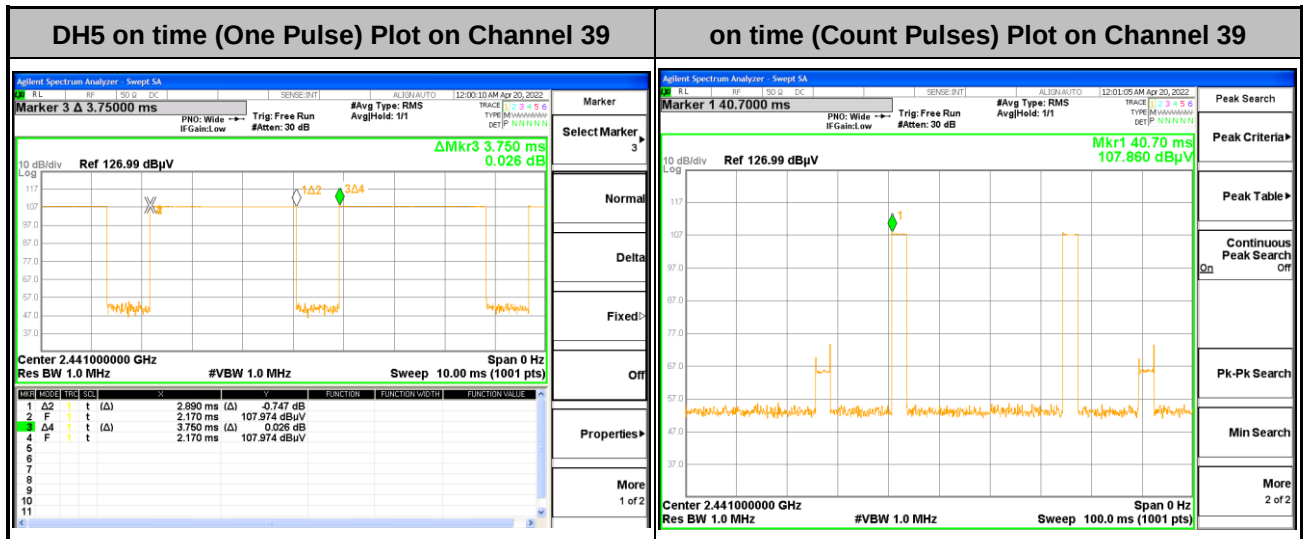
$$2.89 \text{ ms} \times 2 = 5.76 \text{ ms}$$

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

$$20 \times \log(5.76 \text{ ms}/100 \text{ ms}) = -24.76 \text{ dB}$$



<Ant. 3>

**Note:**

1. Worst case Duty cycle = on time/100 milliseconds = $2 \times 2.89 / 100 = 5.76 \%$
2. Worst case Duty cycle correction factor = $20 \times \log(\text{Duty cycle}) = -24.76 \text{ dB}$
3. DH5 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 on time period to have DH5 packet completing one hopping sequence is

$$2.89 \text{ ms} \times 20 \text{ channels} = 57.6 \text{ ms}$$

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:

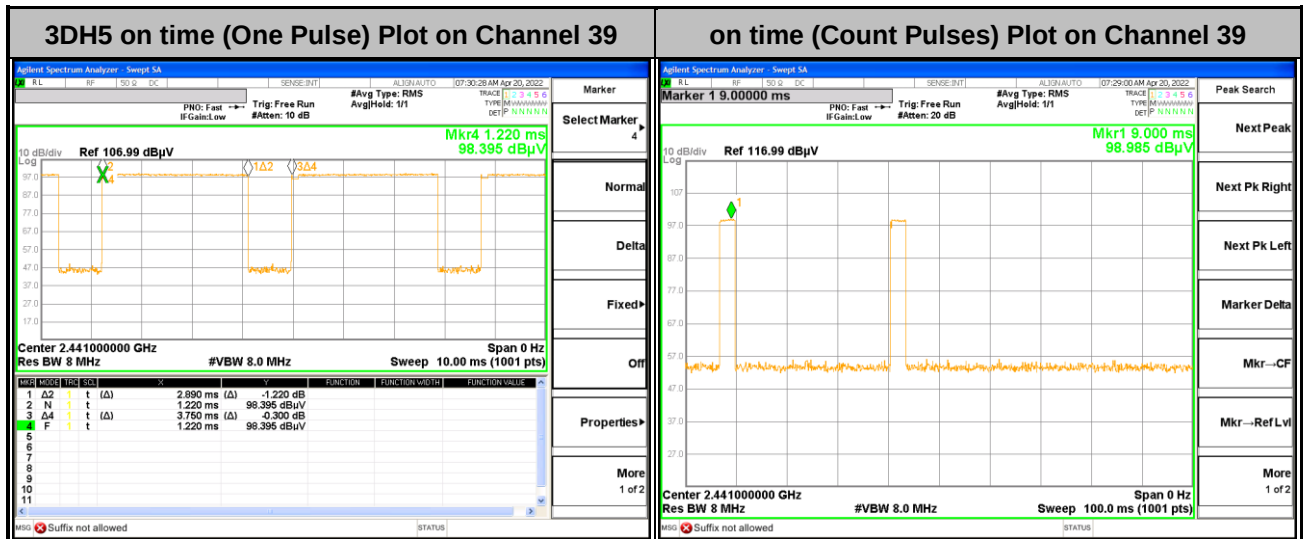
$$2.89 \text{ ms} \times 2 = 5.76 \text{ ms}$$

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

$$20 \times \log(5.76 \text{ ms}/100 \text{ ms}) = -24.76 \text{ dB}$$



<Ant. 3 EDR>

**Note:**

1. Worst case Duty cycle = on time/100 milliseconds = $2 * 2.89 / 100 = 5.76 \%$
2. Worst case Duty cycle correction factor = $20 * \log(\text{Duty cycle}) = -24.76 \text{ dB}$
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 on time period to have DH5 packet completing one hopping sequence is

$$2.89 \text{ ms} \times 20 \text{ channels} = 57.6 \text{ ms}$$

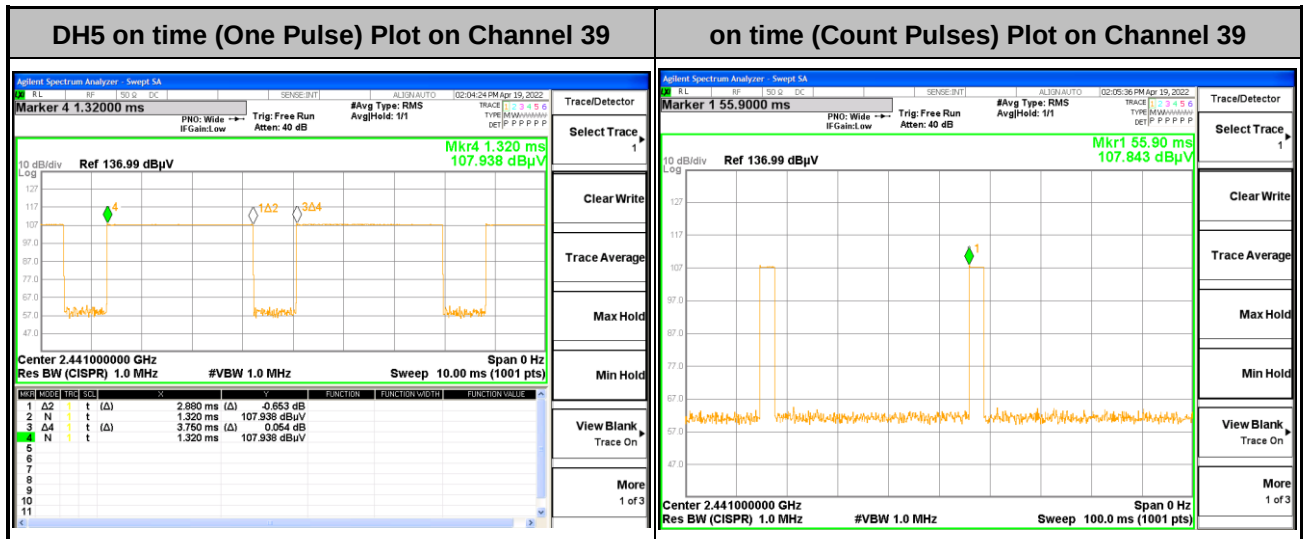
There cannot be 2 complete hopping sequences within 100ms period, considering the random hopping behavior, maximum 2 hops can be possibly observed within the period. $[100 \text{ ms} / 57.6 \text{ ms}] = 2 \text{ hops}$

Thus, the maximum possible ON time:

$$2.89 \text{ ms} \times 2 = 5.76 \text{ ms}$$

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

$$20 \times \log(5.76 \text{ ms}/100 \text{ ms}) = -24.76 \text{ dB}$$

MIMO <Ant. 4+3>

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. DH5 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 on time period to have DH5 packet completing one hopping sequence is

$$2.89 \text{ ms} \times 20 \text{ channels} = 57.6 \text{ ms}$$

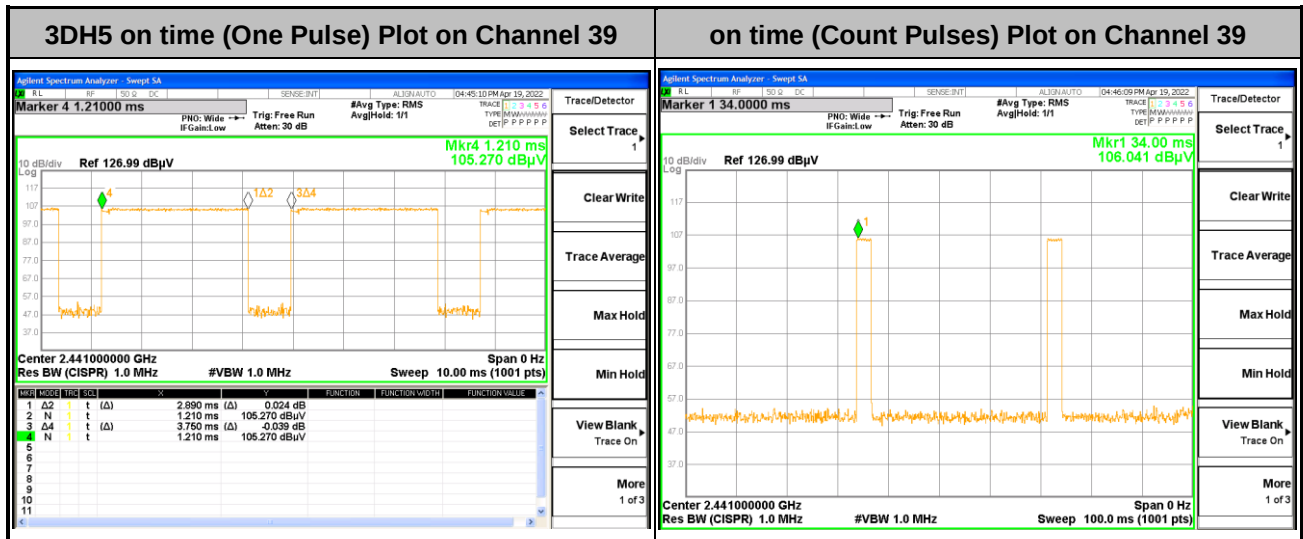
There cannot be 2 complete hopping sequences within 100ms period, considering the random hopping behavior, maximum 2 hops can be possibly observed within the period. $[100 \text{ ms} / 57.6 \text{ ms}] = 2 \text{ hops}$

Thus, the maximum possible ON time:

$$2.89 \text{ ms} \times 2 = 5.76 \text{ ms}$$

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

$$20 \times \log(5.76 \text{ ms}/100 \text{ ms}) = -24.76 \text{ dB}$$

MIMO <Ant. 4+3 EDR>

Note:

1. Worst case Duty cycle = on time/100 milliseconds = $2 \times 2.89 / 100 = 5.76 \%$
2. Worst case Duty cycle correction factor = $20 \times \log(\text{Duty cycle}) = -24.76 \text{ dB}$
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 on time period to have DH5 packet completing one hopping sequence is

$$2.89 \text{ ms} \times 20 \text{ channels} = 57.6 \text{ ms}$$

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:

$$2.89 \text{ ms} \times 2 = 5.76 \text{ ms}$$

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

$$20 \times \log(5.76 \text{ ms}/100 \text{ ms}) = -24.76 \text{ dB}$$

—————THE END—————