

TEST REPORT

Applicant	Guangdong Changhong Electronics Co., Ltd
Address	No.1 North Xingye Rd, Nantou Town, Zhongshan city, Guangdong Province, China

Manufacturer or Supplier	Guangdong Changhong Electronics Co., Ltd
Address	No.1 North Xingye Rd, Nantou Town, Zhongshan city, Guangdong Province, China
Product	WiFi & BT Module
Brand Name	CHANGHONG, CHiQ
Model	CH-7663B-BZ-D
Additional Model & Model Difference	CH-7663B-BZ-D-1, CH-7663B-BZ-D-2. etc. see item 3.1
Date of tests	Sep. 01, 2025 ~ Oct. 13, 2025

The tests have been carried out according to the requirements of the following standard:

☒ **FCC Part 15, Subpart C, Section 15.247**

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Prepared by Lucas Chen Project Engineer / EMC Department	Approved by Glyn He Assistant Manager / EMC Department
	 Date: Oct. 27, 2025

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Test Report No.: RF2507WDG0401-2

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF2507WDG0401-2	Original release	Oct. 27, 2025

1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC PART 15, SUBPART C (SECTION 15.247)			
STANDARD SECTION	TEST TYPE AND LIMIT	RESULT	REMARK
15.207	AC Power Conducted Emission	PASS	Meet the requirement of limit.
15.247(d) 15.209	Radiated Emissions	PASS	Meet the requirement of limit.
15.247(d)	Band Edge Measurement	PASS	Meet the requirement of limit.
15.247(a)(2)	6dB bandwidth	PASS	Meet the requirement of limit.
15.247(b)	Conducted Output power	PASS	Meet the requirement of limit.
15.247(e)	Power Spectral Density	PASS	Meet the requirement of limit.
15.203	Antenna Requirement	PASS	i-pex connector is used

2 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

MEASUREMENT	FREQUENCY	UNCERTAINTY
Conducted emissions	150kHz~30MHz	3.36dB
Radiated emissions	9kHz~30MHz	2.76dB
	30MHz ~ 1GMHz	4.32dB
	1GHz ~ 18GHz	4.76dB
	18GHz ~ 40GHz	4.50dB

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.

3 GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

PRODUCT	WiFi & BT Module
MODEL NO.	CH-7663B-BZ-D
ADDITIONAL MODELS	CH-7663B-BZ-D-1, CH-7663B-BZ-D-2, CH-7663B-BZ-D-3, CH-7663B-BZ-D-4, CH-7663B-BZ-D-5, CH-7663B-BZ-D-6, CH-7663B-BZ-D-7, CH-7663B-BZ-D-8, CH-7663B-BZ-D-9, CH-7663B-BZ-C, CH-7663B-BZ-C-1, CH-7663B-BZ-C-2, CH-7663B-BZ-C-3, CH-7663B-BZ-C-4, CH-7663B-BZ-C-5, CH-7663B-BZ-C-6, CH-7663B-BZ-C-7, CH-7663B-BZ-C-8, CH-7663B-BZ-C-9
FCC ID	2ABNO-CH-7663B-BZ
NOMINAL VOLTAGE	DC 3.3V
MODULATION TECHNOLOGY	DSSS, OFDM, DTS
MODULATION TYPE	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM BT-LE(GFSK) (1, 2Mbps)
OPERATING FREQUENCY	2412MHz ~ 2462MHz for 11b/g/n(HT20) 2422MHz ~ 2452MHz for 11n(HT40) 2402-2480MHz for BT-LE(GFSK) (1&2Mbps)
PEAK OUTPUT POWER	WIFI: 446.214mw (Maximum) BT-LE: 2.483mw (Maximum)
ANTENNA TYPE	2.4GHz WIFI: Chain 0: PIFA Antenna, with 1.20dBi gain Chain 1: PIFA Antenna, with 1.76dBi gain BT: PIFA Antenna, with 2.85dBi gain PCB Antenna, with 2.0dBi gain
I/O PORTS	Refer to user's manual
CABLE SUPPLIED	N/A

NOTES:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
2. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.
3. Please refer to the EUT photo document (Reference No.: 2507WDG0401) for detailed product photo.
4. The working status of the antennas is as follows.

MODULATION MODE	FUNCTION
802.11b	2 Chains (SISO)
802.11g	2 Chains (SISO)
802.11n (HT20)	2 Chains (MIMO)
802.11n (HT40)	2 Chains (MIMO)
BT_LE	1 Chain

* 802.11b/g provided a SISO function, the radiated emission above 1GHz test item is carried out on the maximum power "chain 0" antenna.

5. Regarding the use of the Bluetooth antenna, the product comes with either a PCB or PIFA antenna by default. It will not use both antennas simultaneously. Both types of antennas were tested, and the report only records data from the worst antenna (PIFA).
6. Additional models (see below table) are identical with the test model except for the following differences:

MODEL NO.	Bluetooth antenna	Trade name
CH-7663B-BZ-D	Bluetooth antenna uses the PCB antenna on the mainboard	CHANGHONG, CHiQ
CH-7663B-BZ-D-1		
CH-7663B-BZ-D-2		
CH-7663B-BZ-D-3		
CH-7663B-BZ-D-4		
CH-7663B-BZ-D-5		
CH-7663B-BZ-D-6		
CH-7663B-BZ-D-7		
CH-7663B-BZ-D-8		
CH-7663B-BZ-D-9		
CH-7663B-BZ-C	Bluetooth antenna is pulled out, using a PIFA antenna	
CH-7663B-BZ-C-1		
CH-7663B-BZ-C-2		
CH-7663B-BZ-C-3		
CH-7663B-BZ-C-4		
CH-7663B-BZ-C-5		
CH-7663B-BZ-C-6		
CH-7663B-BZ-C-7		
CH-7663B-BZ-C-8		
CH-7663B-BZ-C-9		

7. Antenna list: (BT_LE PIFA Antenna)

MANUFACTURER	MODEL NO.	TYPE	GAIN
Shenzhen Yishengbang Technology Company Limited	TX-DM150BD113Y63M	PIFA Antenna	2.85dBi
	TX-DM200BD113Y63M	PIFA Antenna	2.74dBi
	TX-DM270BD113Y63M	PIFA Antenna	2.38dBi
	TX-DM300BD113Y63M	PIFA Antenna	2.38dBi
	TX-DM400BD113Y63M	PIFA Antenna	2.31dBi
	TX-DM450BD113Y63M	PIFA Antenna	2.31dBi
	TX-DM500BD113Y63M	PIFA Antenna	1.79dBi
ZHONGSHAN B&T TECHNOLOGY Co.,Ltd	TX-DM150BD113B63M	PIFA Antenna	1.46dBi
	TX-DM200BD113B63M	PIFA Antenna	1.29dBi
	TX-DM270BD113B63M	PIFA Antenna	0.90dBi
	TX-DM300BD113B63M	PIFA Antenna	0.63dBi
	TX-DM400BD113B63M	PIFA Antenna	1.04dBi
	TX-DM450BD113B63M	PIFA Antenna	0.83dBi
	TX-DM500BD113B63M	PIFA Antenna	0.46dBi

Note: The Bluetooth PIFA antenna has different parameters. The antenna with the maximum gain value has been selected for measurement.

3.2 DESCRIPTION OF TEST MODES

11 channels are provided for 802.11b, 802.11g and 802.11n(HT20):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
1	2412 MHz	7	2442 MHz
2	2417 MHz	8	2447 MHz
3	2422 MHz	9	2452 MHz
4	2427 MHz	10	2457 MHz
5	2432 MHz	11	2462 MHz
6	2437 MHz	-	-

40 channels are provided for BT-LE GFSK (1,2Mbps):

CHANNEL	FREQ. (MHZ)	CHANNEL	FREQ. (MHZ)	CHANNEL	FREQ. (MHZ)	CHANNEL	FREQ. (MHZ)
0	2402	10	2422	20	2442	30	2462
1	2404	11	2424	21	2444	31	2464
2	2406	12	2426	22	2446	32	2466
3	2408	13	2428	23	2448	33	2468
4	2410	14	2430	24	2450	34	2470
5	2412	15	2432	25	2452	35	2472
6	2414	16	2434	26	2454	36	2474
7	2416	17	2436	27	2456	37	2476
8	2418	18	2438	28	2458	38	2478
9	2420	19	2440	29	2460	39	2480

3.2.1 CONFIGURATION OF SYSTEM UNDER TEST

Please see section 5 photographs of the test configuration for reference.

3.2.2 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis, power supply voltage range and antenna ports. The worst case was found when positioned on X axis for radiated emission. Following test modes were selected for the final test, and the final worst case is marked in boldface and recorded in the report:

EUT CONFIGURE MODE	APPLICABLE TO				MODE
	RE<1G	RE≥1G	PLC	APCM	
A	√	√	√	√	DC 3.3V from USB Tool

Where **RE<1G**: Radiated Emission below 1GHz
RE≥1G: Radiated Emission above 1GHz
PLC: Power Line Conducted Emission
APCM: Antenna Port Conducted Measurement

POWER LINE CONDUCTED EMISSION TEST:

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	TESTED CONDITION
A	BT Link
A	WIFI (2.4G) Link

RADIATED EMISSION TEST (BELOW 1GHz):

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A	802.11b	1 to 11	1	DSSS	DBPSK	6.0
A	BT-LE	0 to 39	39	DTS	BT-LE	1.0
A	BT-LE	0 to 39	39	DTS	BT-LE	2.0

RADIATED EMISSION TEST (ABOVE 1GHz):

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A	802.11b	1 to 11	1, 6, 11	DSSS	DBPSK	1.0
A	802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6.0
A	802.11n HT20	1 to 11	1, 6, 11	OFDM	BPSK	6.5
A	BT-LE	0 to 39	0,19, 39	DTS	BT-LE	1.0
A	BT-LE	0 to 39	0,19, 39	DTS	BT-LE	2.0

ANTENNA PORT CONDUCTED MEASUREMENT:

- ☒ This item includes all test value of each mode, but only includes spectrum plot of worst value of each mode.
- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A	802.11b	1 to 11	1, 6, 11	DSSS	DBPSK	1.0
A	802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6.0
A	802.11n HT20	1 to 11	1, 6, 11	OFDM	BPSK	6.5
A	BT-LE	0 to 39	0,19, 39	DTS	BT-LE	1.0
A	BT-LE	0 to 39	0,19, 39	DTS	BT-LE	2.0

TEST CONDITION:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	TEST VOLTAGE	TESTED BY
RE<1G	25deg. C, 51%RH	DC 3.3V from USB Tool	Ludius
RE≥1G	25deg. C, 51%RH	DC 3.3V from USB Tool	Ludius
PLC	25deg. C, 40%RH	DC 3.3V from USB Tool	Summer
APCM	25deg. C, 60%RH	DC 3.3V from USB Tool	Jeffery

3.3 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is an RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

FCC Part 15, Subpart C, Section 15.247

KDB 558074 D01 15.247 Meas Guidance v05r02

KDB 662911 D01 Multiple Transmitter Output v02r01

ANSI C63.10-2020

All test items have been performed and recorded as per the above standards.

3.4 DESCRIPTION OF SUPPORT UNITS

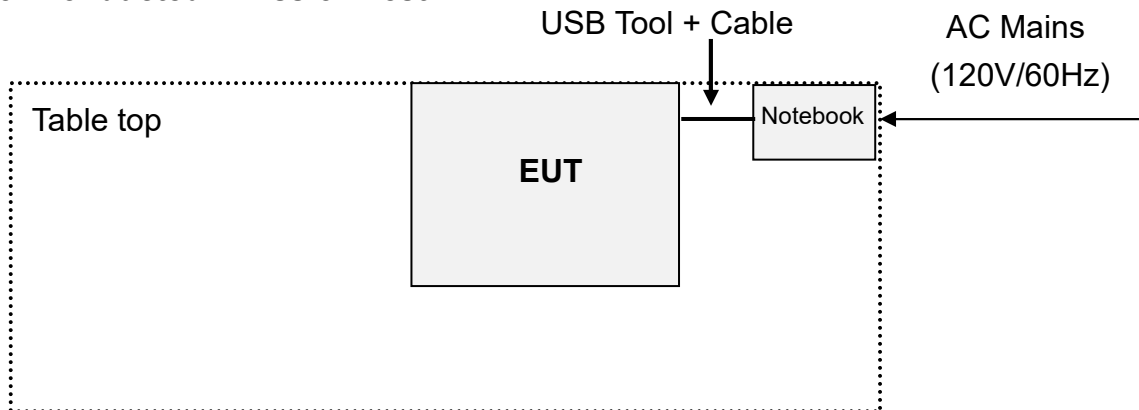
The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	Remark
1	Notebook	DELL	Inspiron 13-7378	GMSJZD2	N/A
2	USB Tool	N/A	N/A	N/A	N/A

NO.	DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	AC Line: Unshielded, detachable 0.8m; DC Line: Unshielded, non-detachable 1.8m
2	DC Cable: Unshielded, detachable, 10cm

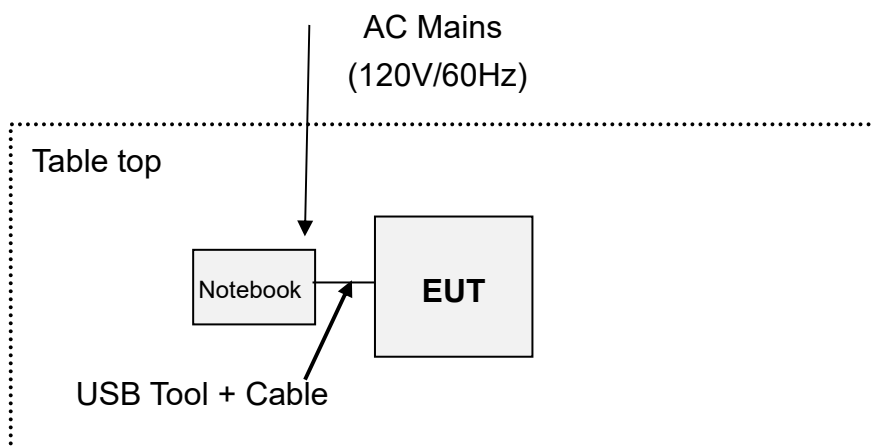
3.5 CONFIGURATION OF SYSTEM UNDER TEST

For Conducted Emission Test



Note: For the actual test configuration, please refer to the attached file (Test Setup Photo).

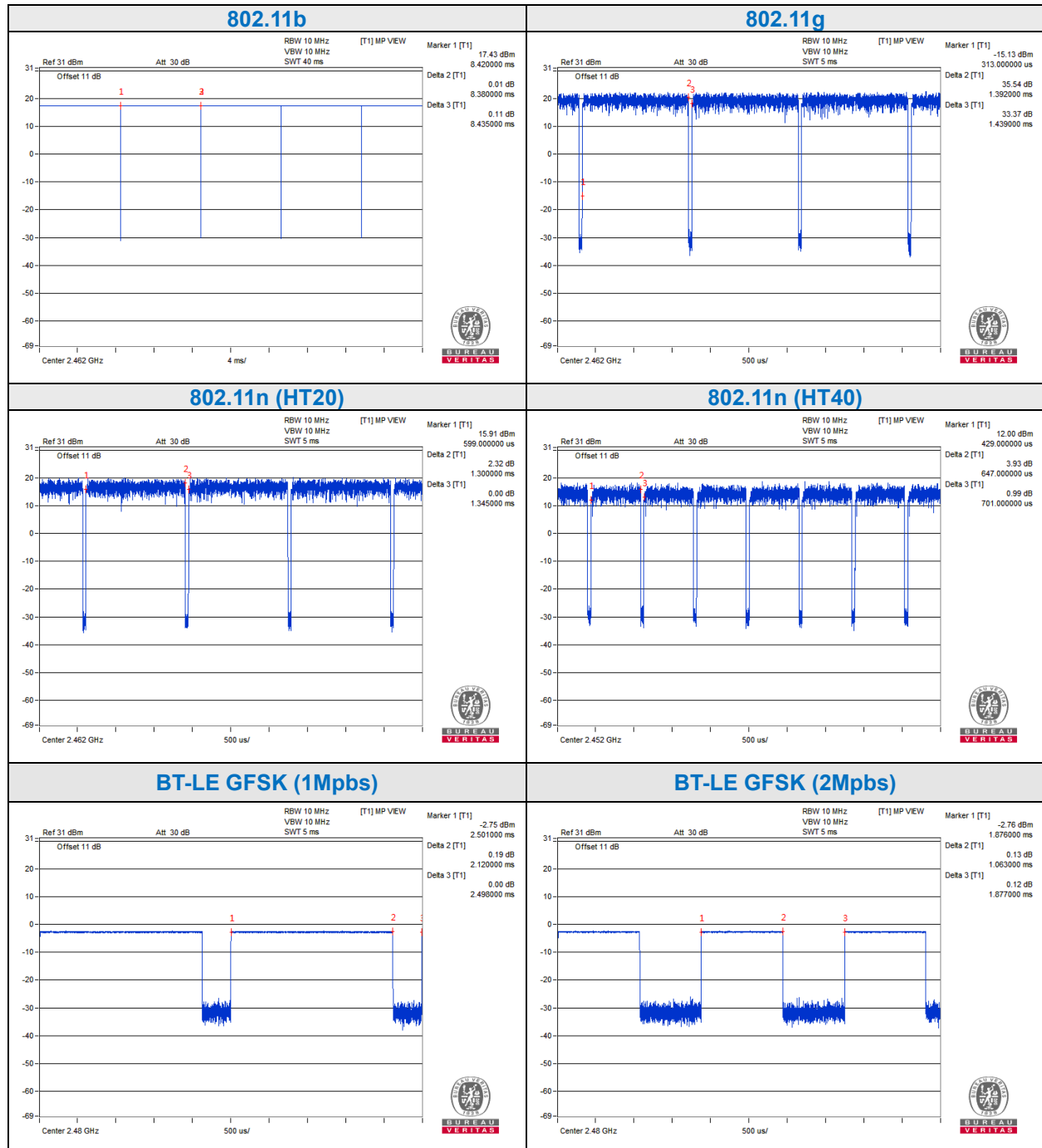
For Radiated Emission Test



Note: For the actual test configuration, please refer to the attached file (Test Setup Photo).

3.6 DUTY CYCLE OF TESET SIGNAL

Test Mode	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty factor (dB)	1/T Min. VBW (KHz)	VBW Setting
802.11b	8.380	8.435	99.35	/	/	10Hz
802.11g	1.392	1.439	96.73	0.14	0.718	1KHz
802.11n (HT20)	1.300	1.345	96.65	0.15	0.769	1KHz
802.11n (HT40)	0.647	0.701	92.30	0.35	1.546	2KHz
BT-LE (1Mbps)	2.120	2.498	84.87	0.71	0.472	500Hz
BT-LE (2Mbps)	1.063	1.877	56.63	2.47	0.941	1KHz



4 TEST TYPES AND RESULTS

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

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

- NOTES:**
1. The lower limit shall apply at the transition frequencies.
 2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.
 3. All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

4.1.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESR7	101494	Oct. 09, 25
Artificial Mains Network	Rohde&Schwarz	ENV216	101173	Oct. 10, 25
Artificial Mains Network	Rohde&Schwarz	ESH3-Z5	100317	Oct. 09, 25
Artificial Mains Network	SCHWARZBECK	NSLK 8122	8122-05001	Apr. 09, 26
V-LISN (CISPR 25)	SCHWARZBECK	NNBM 8124-200	8124-200 05857	Apr. 09, 26
V-LISN (CISPR 25)	SCHWARZBECK	NNBM 8124-200	8124-200 05858	Apr. 09, 26
Voltage probe	SCHWARZBECK	TK 9421	TK 9421-176	Jul. 06, 26
Coaxial RF Cable	SUHNER	RG 223/U-CE	C2310066DG	Jun. 22, 26
Test software	ADT	ADT Cond V7.3.7	N/A	N/A

- NOTES:**
1. The test was performed in shielded room 553.
 2. Equipment are calibrated by calibration laboratory accredited to ISO/IEC 17025 by a mutually recognized Accreditation and all tests are conducted within a valid calibration cycle.

4.1.3 TEST PROCEDURES

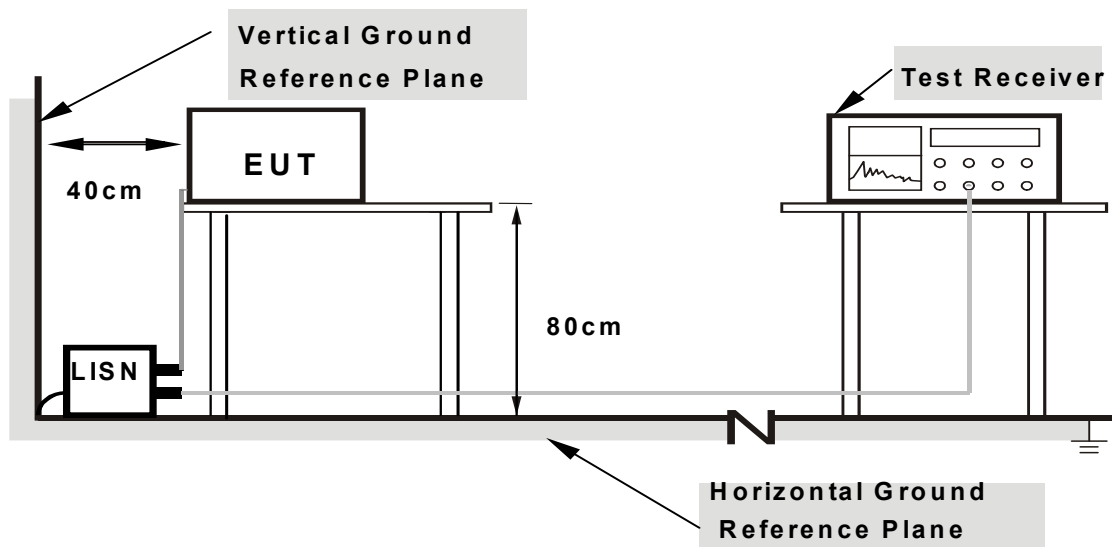
- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) were not recorded.

NOTE: All modes of operation were investigated and the worst-case emissions are reported.

4.1.4 DEVIATION FROM TEST STANDARD

No deviation.

4.1.5 TEST SETUP



Note: 1.Support units were connected to second LISN.

2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.1.6 EUT OPERATING CONDITIONS

- a. Turned on the power and connected of all equipment.
- b. EUT was operated according to the type used was description in manufacturer's specifications or the User's Manual.

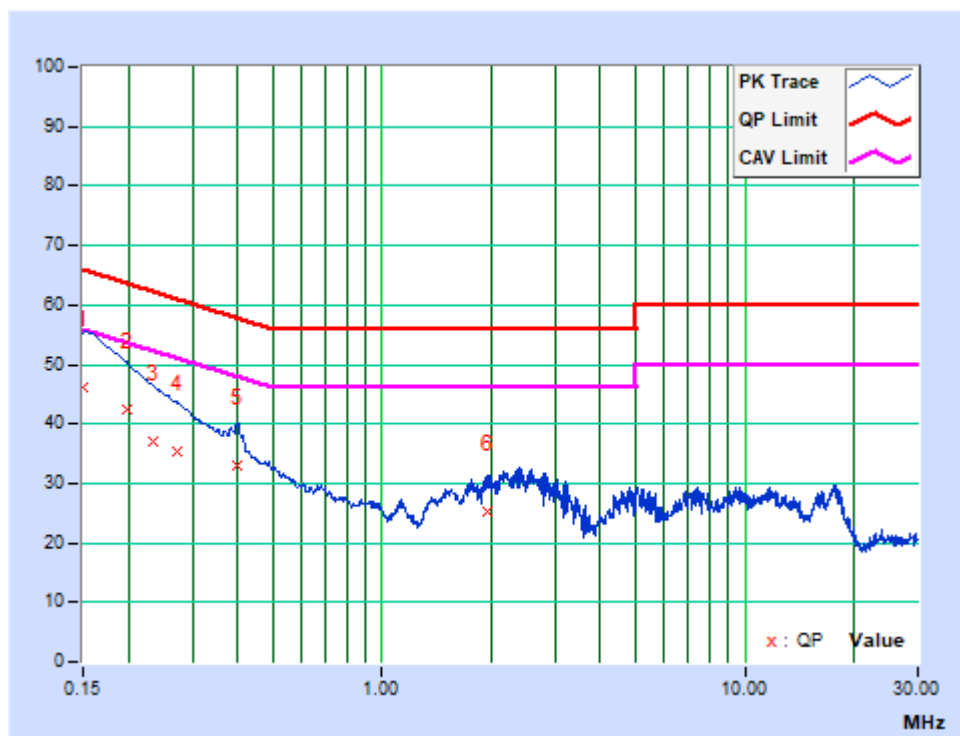
4.1.7 TEST RESULTS

CONDUCTED WORST-CASE DATA: BT Link

PHASE	Line	6dB BANDWIDTH	9kHz
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No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.75	36.30	10.78	46.05	20.53	66.00	56.00	-19.95	-35.47
2	0.19725	9.82	32.59	6.79	42.41	16.61	63.73	53.73	-21.32	-37.12
3	0.23325	9.81	27.17	5.26	36.98	15.07	62.33	52.33	-25.35	-37.26
4	0.27150	9.81	25.49	7.11	35.30	16.92	61.07	51.07	-25.78	-34.16
5	0.39806	9.81	23.10	20.86	32.91	30.67	57.89	47.89	-24.98	-17.22
6	1.94775	9.95	15.45	11.51	25.40	21.46	56.00	46.00	-30.60	-24.54

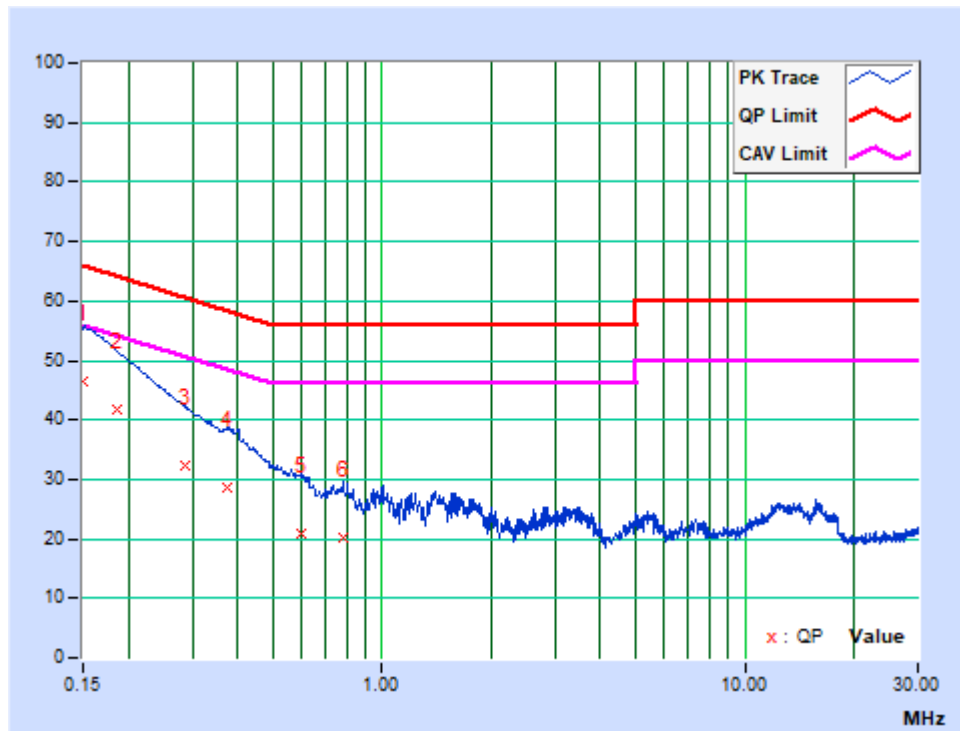
REMARKS: The emission levels of other frequencies were very low against the limit.



PHASE	Neutral	6dB BANDWIDTH	9kHz
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No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.79	36.77	11.29	46.56	21.08	66.00	56.00	-19.44	-34.92
2	0.18600	9.76	31.97	8.70	41.73	18.46	64.21	54.21	-22.48	-35.75
3	0.28500	9.71	22.58	1.53	32.29	11.24	60.67	50.67	-28.38	-39.43
4	0.37659	9.68	18.82	12.52	28.50	22.20	58.35	48.35	-29.85	-26.15
5	0.59778	9.69	11.03	5.81	20.72	15.50	56.00	46.00	-35.28	-30.50
6	0.78225	9.69	10.42	6.68	20.11	16.37	56.00	46.00	-35.89	-29.63

REMARKS: The emission levels of other frequencies were very low against the limit.

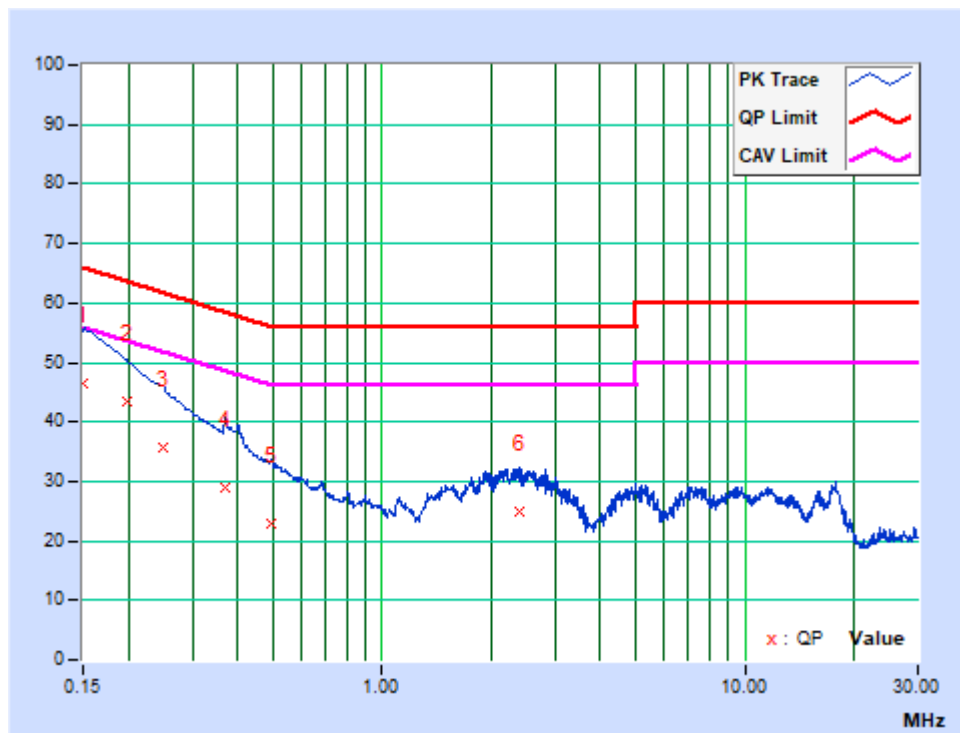


CONDUCTED WORST-CASE DATA: WIFI Link

PHASE	Line	6dB BANDWIDTH	9kHz
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No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.75	36.58	10.80	46.33	20.55	66.00	56.00	-19.67	-35.45
2	0.19725	9.82	33.49	8.65	43.31	18.47	63.73	53.73	-20.42	-35.26
3	0.24900	9.81	25.72	6.33	35.53	16.14	61.79	51.79	-26.26	-35.65
4	0.37067	9.81	19.25	11.86	29.06	21.67	58.49	48.49	-29.43	-26.82
5	0.49428	9.83	13.17	2.48	23.00	12.31	56.10	46.10	-33.10	-33.79
6	2.37975	9.97	15.03	11.42	25.00	21.39	56.00	46.00	-31.00	-24.61

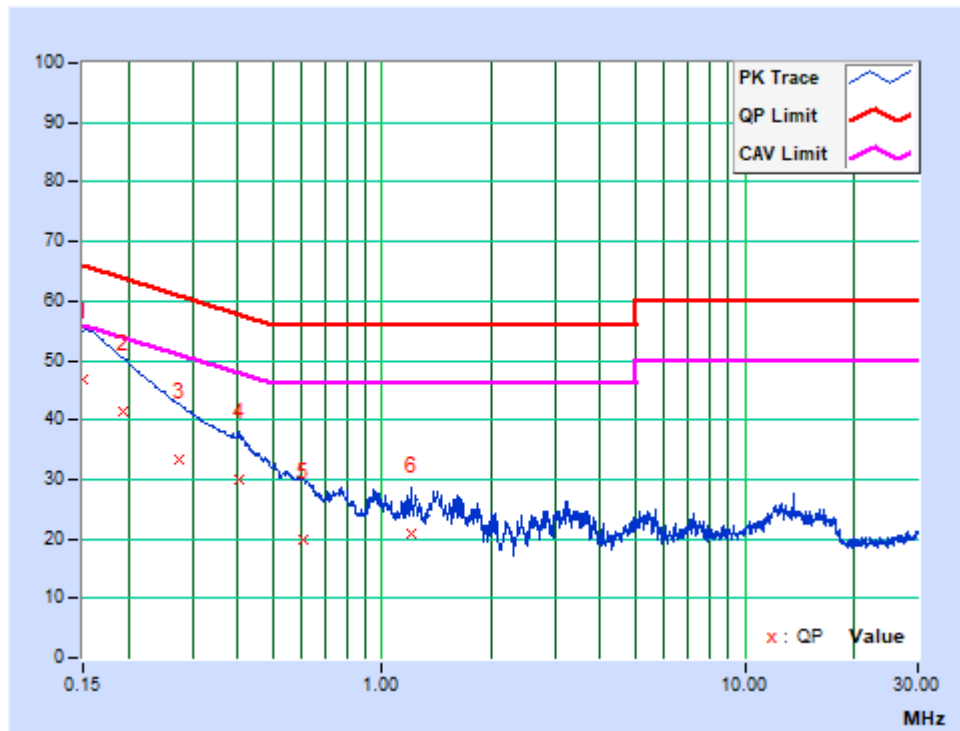
REMARKS: The emission levels of other frequencies were very low against the limit.



PHASE	Neutral	6dB BANDWIDTH	9kHz
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No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.79	36.91	10.87	46.70	20.66	66.00	56.00	-19.30	-35.34
2	0.19275	9.76	31.61	7.92	41.37	17.68	63.92	53.92	-22.55	-36.24
3	0.27600	9.71	23.52	2.57	33.23	12.28	60.94	50.94	-27.70	-38.65
4	0.40200	9.67	20.45	18.47	30.12	28.14	57.81	47.81	-27.69	-19.67
5	0.60572	9.69	10.19	6.31	19.88	16.00	56.00	46.00	-36.12	-30.00
6	1.20658	9.73	11.20	9.20	20.93	18.93	56.00	46.00	-35.07	-27.07

REMARKS: The emission levels of other frequencies were very low against the limit.



4.2 RADIATED EMISSION MEASUREMENT

4.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

FREQUENCIES (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

NOTE:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. As shown in 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

4.2.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESU40	100449	Oct. 09, 26
Signal and Spectrum Analyzer	Rohde&Schwarz	FSV7	102331	Apr. 07, 26
Active Loop Antenna (9KHz -30MHz)	SCHWARZBECK	FMZB 1519B	1519B-045	Apr. 13, 26
Amplifier (9KHz -1GHz)	Burgeon	BPA-530	100210	Feb. 21, 26
Trilog-Broadband Antenna	SCHWARZBECK	VULB 9168	9168-554	Dec. 25, 25
Horn Antenna (1GHz -18GHz)	ETS -Lindgren	3117	0085519	Oct. 19, 25
Horn Antenna (18GHz -40GHz)	SCHWARZBECK	BBHA 9170	BBHA9170147	Apr. 12, 26
3m Semi-anechoic Chamber	ETS-LINDGREN	9m*6m*6m	NSEMC003	May 17, 26
Test Software	ADT	ADT_Radiated_V7.6.15.9.2	N/A	N/A
Broadband Preamplifier (1GHz~18GHz)	SCHWARZBECK	BBV9718	305	Feb. 21, 26
Pre-Amplifier (18GHz-40GHz)	EMCI	EMC 184045	980102	Oct. 10, 26
BLUETOOTH TESTER	Rohde&Schwarz	CBT32	100811	N/A

NOTES:

1. The test was performed in 966 Chamber.
2. Equipment are calibrated by calibration laboratory accredited to ISO/IEC 17025 by a mutually recognized Accreditation and all tests are conducted within a valid calibration cycle.
3. The horn antenna is used only for the measurement of emission frequency above 1GHz if tested.
4. The FCC Site registration No. is 749762, and the designation number is CN1174.

4.2.3 TEST PROCEDURES

- a. The EUT was placed on the top of a rotating table 1.5 meters (above 1GHz) and 0.8 meters (below 1GHz) above the ground at a 3 meters semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. For below 1GHz was used bilog antenna, and above 1GHz was used horn antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. For below 30MHz, a loop antenna with its vertical plane is place 3m from the EUT and rotated about its vertical axis for maximum response at each azimuth about the EUT, and the centre of the loop shall be 1.3m above the ground.
- a. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, For battery operated equipment, the equipment tests shall be perform using fresh batteries. The turntable was rotated to maximize the emission level.

NOTE:

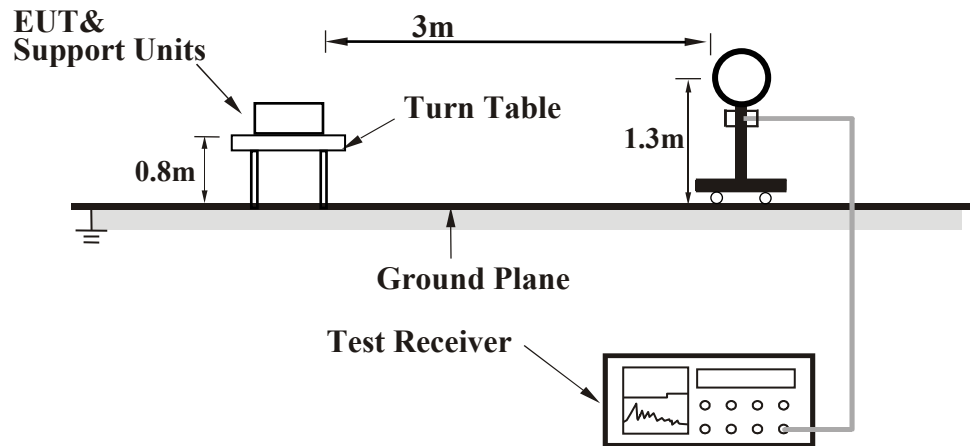
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle < 98%) or 10Hz (Duty cycle > 98%) for Average detection (AV) at frequency above 1GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.
5. The testing of the EUT was performed on all 3 orthogonal axes, the worst-case test configuration was reported on the file test setup photo.

4.2.4 DEVIATION FROM TEST STANDARD

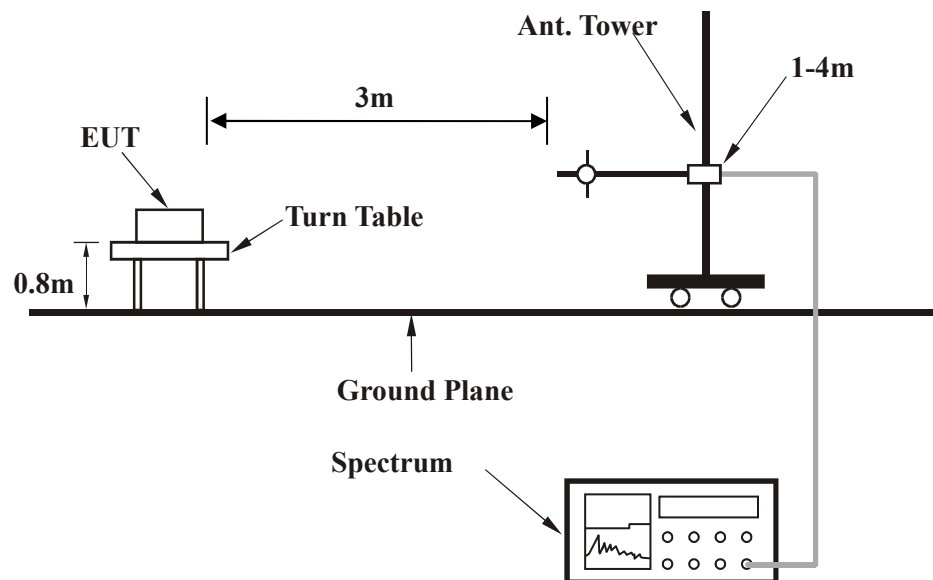
No deviation.

4.2.5 TEST SETUP

Below 30MHz test setup

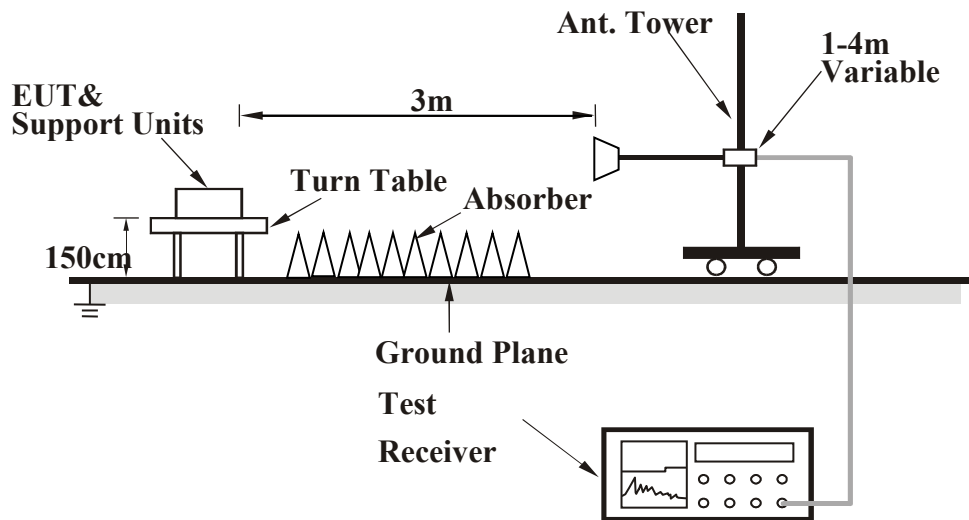


Below 1GHz test setup



Note: For the actual test configuration, please refer to the attached file (Test Setup Photo).

Above 1GHz test setup



Note: For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.2.6 EUT OPERATING CONDITIONS

- Set the EUT under full load condition and placed them on a testing table.
- Set the transmitter part of EUT under transmission condition continuously at specific channel frequency.
- The necessary accessories enable the EUT in full functions.

4.2.7 TEST RESULTS

BELOW 1GHz WORST-CASE DATA:

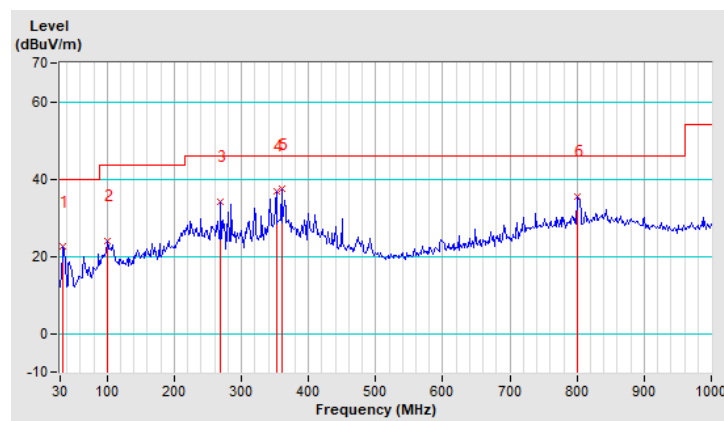
802.11b

CHANNEL	TX Channel 1	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9KHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	34.66	22.38 QP	40.00	-17.62	1.14 H	36	41.15	-18.77
2	99.95	23.82 QP	43.50	-19.68	1.30 H	51	45.37	-21.55
3	269.39	34.13 QP	46.00	-11.87	1.48 H	68	50.54	-16.41
4	351.78	36.90 QP	46.00	-9.10	1.99 H	124	51.15	-14.25
5	359.55	37.29 QP	46.00	-8.71	1.65 H	85	51.24	-13.95
6	801.03	35.57 QP	46.00	-10.43	1.83 H	104	40.05	-4.48

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. 9KHz~30MHz have been test and test data more than 20dB margin.
5. Margin value = Emission level – Limit value.

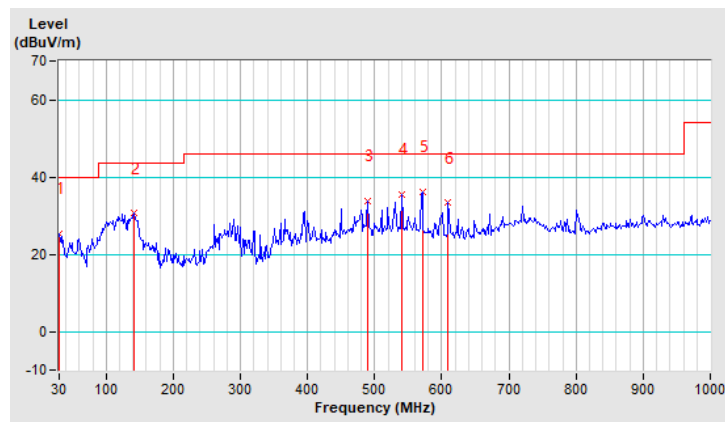


CHANNEL	TX Channel 1	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9KHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	30.00	25.23 QP	40.00	-14.77	1.04 V	24	44.20	-18.97
2	141.92	30.59 QP	43.50	-12.91	1.34 V	55	47.55	-16.96
3	490.13	33.74 QP	46.00	-12.26	2.00 V	173	43.94	-10.20
4	539.87	35.58 QP	46.00	-10.42	1.50 V	70	45.03	-9.45
5	570.96	36.10 QP	46.00	-9.90	1.65 V	85	44.82	-8.72
6	609.82	33.22 QP	46.00	-12.78	2.00 V	154	40.91	-7.69

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. 9KHz~30MHz have been test and test data more than 20dB margin.
5. Margin value = Emission level – Limit value.



ABOVE 1GHz DATA

802.11b

CHANNEL	TX Channel 1	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	65.34 PK	74.00	-8.66	1.34 H	114	62.53	2.81
2	2390.00	48.14 AV	54.00	-5.86	1.34 H	114	45.33	2.81
3	*2412.00	109.24 PK			1.24 H	103	106.37	2.87
4	*2412.00	99.03 AV			1.24 H	103	96.16	2.87
5	4824.00	51.62 PK	74.00	-22.38	1.62 H	189	44.35	7.27
6	4824.00	38.89 AV	54.00	-15.11	1.62 H	189	31.62	7.27
7	7236.00	54.80 PK	74.00	-19.20	1.80 H	360	43.36	11.44
8	7236.00	41.45 AV	54.00	-12.55	1.80 H	360	30.01	11.44
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	58.89 PK	74.00	-15.11	1.89 V	101	56.08	2.81
2	2390.00	46.01 AV	54.00	-7.99	1.89 V	101	43.20	2.81
3	*2412.00	106.42 PK			1.42 V	127	103.55	2.87
4	*2412.00	96.27 AV			1.42 V	127	93.40	2.87
5	4824.00	51.45 PK	74.00	-22.55	1.45 V	182	44.18	7.27
6	4824.00	38.82 AV	54.00	-15.18	1.45 V	182	31.55	7.27
7	7236.00	53.91 PK	74.00	-20.09	1.91 V	156	42.47	11.44
8	7236.00	41.56 AV	54.00	-12.44	1.91 V	156	30.12	11.44

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

CHANNEL	TX Channel 6	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	109.45 PK			1.45 H	140	106.52	2.93
2	*2437.00	99.40 AV			1.45 H	140	96.47	2.93
3	4874.00	50.32 PK	74.00	-23.68	1.32 H	131	42.90	7.42
4	4874.00	38.31 AV	54.00	-15.69	1.32 H	131	30.89	7.42
5	7311.00	53.99 PK	74.00	-20.01	1.99 H	124	42.28	11.71
6	7311.00	41.24 AV	54.00	-12.76	1.99 H	124	29.53	11.71
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	107.12 PK			1.12 V	103	104.19	2.93
2	*2437.00	97.03 AV			1.12 V	103	94.10	2.93
3	4874.00	50.21 PK	74.00	-23.79	1.21 V	124	42.79	7.42
4	4874.00	38.24 AV	54.00	-15.76	1.21 V	124	30.82	7.42
5	7311.00	54.24 PK	74.00	-19.76	1.24 V	132	42.53	11.71
6	7311.00	41.32 AV	54.00	-12.68	1.24 V	132	29.61	11.71

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

CHANNEL	TX Channel 11	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	108.55 PK			1.55 H	162	105.55	3.00
2	*2462.00	98.62 AV			1.55 H	162	95.62	3.00
3	2483.50	62.80 PK	74.00	-11.20	1.80 H	185	59.74	3.06
4	2483.50	46.85 AV	54.00	-7.15	1.80 H	185	43.79	3.06
5	4924.00	49.83 PK	74.00	-24.17	1.83 H	142	42.27	7.56
6	4924.00	37.42 AV	54.00	-16.58	1.83 H	142	29.86	7.56
7	7386.00	54.07 PK	74.00	-19.93	1.07 H	125	42.09	11.98
8	7386.00	41.25 AV	54.00	-12.75	1.07 H	125	29.27	11.98
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	106.11 PK			1.11 V	110	103.11	3.00
2	*2462.00	96.10 AV			1.11 V	110	93.10	3.00
3	2483.50	62.11 PK	74.00	-11.89	1.11 V	174	59.05	3.06
4	2483.50	45.79 AV	54.00	-8.21	1.11 V	174	42.73	3.06
5	4924.00	49.93 PK	74.00	-24.07	1.93 V	162	42.37	7.56
6	4924.00	37.62 AV	54.00	-16.38	1.93 V	162	30.06	7.56
7	7386.00	54.03 PK	74.00	-19.97	1.03 V	360	42.05	11.98
8	7386.00	41.03 AV	54.00	-12.97	1.03 V	360	29.05	11.98

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

802.11g

CHANNEL	TX Channel 1	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	63.52 PK	74.00	-10.48	2.11 H	45	60.71	2.81
2	2390.00	49.10 AV	54.00	-4.90	2.11 H	45	46.29	2.81
3	*2412.00	108.63 PK			3.25 H	56	105.76	2.87
4	*2412.00	98.41 AV			3.25 H	56	95.54	2.87
5	4824.00	52.93 PK	74.00	-21.07	3.25 H	56	45.66	7.27
6	4824.00	40.33 AV	54.00	-13.67	3.25 H	56	33.06	7.27
7	7236.00	54.91 PK	74.00	-19.09	2.35 H	56	43.47	11.44
8	7236.00	48.45 AV	54.00	-5.55	2.35 H	56	37.01	11.44
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	62.54 PK	74.00	-11.46	3.24 V	45	59.73	2.81
2	2390.00	49.11 AV	54.00	-4.89	3.24 V	45	46.30	2.81
3	*2412.00	105.61 PK			3.25 V	56	102.74	2.87
4	*2412.00	94.61 AV			3.25 V	56	91.74	2.87
5	4824.00	51.91 PK	74.00	-22.09	3.25 V	56	44.64	7.27
6	4824.00	39.81 AV	54.00	-14.19	3.25 V	56	32.54	7.27
7	7236.00	64.92 PK	74.00	-9.08	2.31 V	45	53.48	11.44
8	7236.00	49.52 AV	54.00	-4.48	2.31 V	45	38.08	11.44

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

CHANNEL	TX Channel 6	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	111.02 PK			2.35 H	56	108.09	2.93
2	*2437.00	101.70 AV			2.35 H	56	98.77	2.93
3	4874.00	52.01 PK	74.00	-21.99	3.25 H	56	44.59	7.42
4	4874.00	41.84 AV	54.00	-12.16	3.25 H	56	34.42	7.42
5	7311.00	58.74 PK	74.00	-15.26	3.25 H	65	47.03	11.71
6	7311.00	47.42 AV	54.00	-6.58	3.25 H	65	35.71	11.71
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	106.49 PK			3.25 V	56	103.56	2.93
2	*2437.00	96.52 AV			3.25 V	56	93.59	2.93
3	4874.00	52.18 PK	74.00	-21.82	3.25 V	56	44.76	7.42
4	4874.00	41.95 AV	54.00	-12.05	3.25 V	56	34.53	7.42
5	7311.00	62.11 PK	74.00	-11.89	3.25 V	45	50.40	11.71
6	7311.00	49.61 AV	54.00	-4.39	3.25 V	45	37.90	11.71

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

CHANNEL	TX Channel 11	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	110.01 PK			3.25 H	56	107.01	3.00
2	*2462.00	95.74 AV			3.25 H	56	92.74	3.00
3	2483.50	60.56 PK	74.00	-13.44	3.25 H	89	57.50	3.06
4	2483.50	47.40 AV	54.00	-6.60	3.25 H	89	44.34	3.06
5	4924.00	55.88 PK	74.00	-18.12	3.21 H	14	48.32	7.56
6	4924.00	45.05 AV	54.00	-8.95	3.21 H	14	37.49	7.56
7	7386.00	58.99 PK	74.00	-15.01	3.28 H	78	47.01	11.98
8	7386.00	49.15 AV	54.00	-4.85	3.28 H	78	37.17	11.98
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	105.55 PK			4.00 V	56	102.55	3.00
2	*2462.00	88.52 AV			4.00 V	56	85.52	3.00
3	2483.50	58.22 PK	74.00	-15.78	3.21 V	15	55.16	3.06
4	2483.50	44.15 AV	54.00	-9.85	3.21 V	15	41.09	3.06
5	4924.00	54.43 PK	74.00	-19.57	2.35 V	56	46.87	7.56
6	4924.00	45.02 AV	54.00	-8.98	2.35 V	56	37.46	7.56
7	7386.00	61.06 PK	74.00	-12.94	3.25 V	56	49.08	11.98
8	7386.00	49.77 AV	54.00	-4.23	3.25 V	56	37.79	11.98

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

802.11n HT20

CHANNEL	TX Channel 1	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	62.64 PK	74.00	-11.36	1.64 H	127	59.83	2.81
2	2390.00	47.27 AV	54.00	-6.73	1.64 H	127	44.46	2.81
3	*2412.00	108.11 PK			1.11 H	170	105.24	2.87
4	*2412.00	96.70 AV			1.11 H	170	93.83	2.87
5	4824.00	51.39 PK	74.00	-22.61	1.39 H	159	44.12	7.27
6	4824.00	38.59 AV	54.00	-15.41	1.39 H	159	31.32	7.27
7	7236.00	58.41 PK	74.00	-15.59	1.41 H	169	46.97	11.44
8	7236.00	42.69 AV	54.00	-11.31	1.41 H	169	31.25	11.44
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	61.33 PK	74.00	-12.67	1.33 V	164	58.52	2.81
2	2390.00	47.64 AV	54.00	-6.36	1.33 V	164	44.83	2.81
3	*2412.00	109.61 PK			1.61 V	125	106.74	2.87
4	*2412.00	99.25 AV			1.61 V	125	96.38	2.87
5	4824.00	51.13 PK	74.00	-22.87	1.13 V	146	43.86	7.27
6	4824.00	38.46 AV	54.00	-15.54	1.13 V	146	31.19	7.27
7	7236.00	58.11 PK	74.00	-15.89	1.11 V	163	46.67	11.44
8	7236.00	42.63 AV	54.00	-11.37	1.11 V	163	31.19	11.44

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

CHANNEL	TX Channel 6	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	108.69 PK			1.69 H	189	105.76	2.93
2	*2437.00	97.89 AV			1.69 H	189	94.96	2.93
3	4874.00	51.11 PK	74.00	-22.89	1.11 H	152	43.69	7.42
4	4874.00	38.11 AV	54.00	-15.89	1.11 H	152	30.69	7.42
5	7311.00	58.34 PK	74.00	-15.66	1.23 H	148	46.63	11.71
6	7311.00	42.48 AV	54.00	-11.52	1.23 H	148	30.77	11.71
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	108.21 PK			1.21 V	192	105.28	2.93
2	*2437.00	97.92 AV			1.21 V	192	94.99	2.93
3	4874.00	51.24 PK	74.00	-22.76	1.24 V	63	43.82	7.42
4	4874.00	38.24 AV	54.00	-15.76	1.24 V	63	30.82	7.42
5	7311.00	57.84 PK	74.00	-16.16	1.84 V	159	46.13	11.71
6	7311.00	42.59 AV	54.00	-11.41	1.84 V	159	30.88	11.71

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

CHANNEL	TX Channel 11	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	108.55 PK			1.55 H	161	105.55	3.00
2	*2462.00	97.61 AV			1.55 H	161	94.61	3.00
3	2483.50	61.63 PK	74.00	-12.37	1.63 H	177	58.57	3.06
4	2483.50	46.77 AV	54.00	-7.23	1.63 H	177	43.71	3.06
5	4924.00	50.58 PK	74.00	-23.42	1.58 H	135	43.02	7.56
6	4924.00	37.35 AV	54.00	-16.65	1.58 H	135	29.79	7.56
7	7386.00	57.23 PK	74.00	-16.77	1.23 H	182	45.25	11.98
8	7386.00	42.82 AV	54.00	-11.18	1.23 H	182	30.84	11.98
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	106.80 PK			1.80 V	194	103.80	3.00
2	*2462.00	94.94 AV			1.80 V	194	91.94	3.00
3	2483.50	54.87 PK	74.00	-19.13	1.87 V	193	51.81	3.06
4	2483.50	40.93 AV	54.00	-13.07	1.87 V	193	37.87	3.06
5	4924.00	50.92 PK	74.00	-23.08	1.92 V	164	43.36	7.56
6	4924.00	37.64 AV	54.00	-16.36	1.92 V	164	30.08	7.56
7	7386.00	56.87 PK	74.00	-17.13	1.87 V	185	44.89	11.98
8	7386.00	42.56 AV	54.00	-11.44	1.87 V	185	30.58	11.98

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

802.11n HT40

CHANNEL	TX Channel 3	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	62.89 PK	74.00	-11.11	1.89 H	162	60.08	2.81
2	2390.00	49.62 AV	54.00	-4.38	1.89 H	162	46.81	2.81
3	*2422.00	105.19 PK			1.19 H	189	102.29	2.90
4	*2422.00	94.89 AV			1.19 H	189	91.99	2.90
5	4844.00	51.25 PK	74.00	-22.75	1.25 H	18	43.92	7.33
6	4844.00	38.88 AV	54.00	-15.12	1.25 H	18	31.55	7.33
7	7266.00	55.80 PK	74.00	-18.20	1.80 H	167	44.25	11.55
8	7266.00	42.67 AV	54.00	-11.33	1.80 H	167	31.12	11.55
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	63.80 PK	74.00	-10.20	1.80 V	192	60.99	2.81
2	2390.00	49.92 AV	54.00	-4.08	1.80 V	192	47.11	2.81
3	*2422.00	103.29 PK			1.29 V	134	100.39	2.90
4	*2422.00	93.34 AV			1.29 V	134	90.44	2.90
5	4844.00	51.32 PK	74.00	-22.68	1.32 V	180	43.99	7.33
6	4844.00	38.82 AV	54.00	-15.18	1.32 V	180	31.49	7.33
7	7386.00	57.15 PK	74.00	-16.85	1.15 V	141	45.17	11.98
8	7386.00	43.41 AV	54.00	-10.59	1.15 V	141	31.43	11.98

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

CHANNEL	TX Channel 6	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	105.77 PK			1.77 H	198	102.84	2.93
2	*2437.00	96.98 AV			1.77 H	198	94.05	2.93
3	4874.00	50.77 PK	74.00	-23.23	1.77 H	141	43.35	7.42
4	4874.00	38.41 AV	54.00	-15.59	1.77 H	141	30.99	7.42
5	7311.00	55.99 PK	74.00	-18.01	1.99 H	174	44.28	11.71
6	7311.00	42.74 AV	54.00	-11.26	1.99 H	174	31.03	11.71
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	105.10 PK			1.01 V	142	102.17	2.93
2	*2437.00	95.42 AV			1.01 V	142	92.49	2.93
3	4874.00	50.98 PK	74.00	-23.02	1.98 V	164	43.56	7.42
4	4874.00	38.64 AV	54.00	-15.36	1.98 V	164	31.22	7.42
5	7311.00	56.11 PK	74.00	-17.89	1.11 V	198	44.40	11.71
6	7311.00	42.98 AV	54.00	-11.02	1.11 V	198	31.27	11.71

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

CHANNEL	TX Channel 9	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2452.00	105.49 PK			1.49 H	185	102.51	2.98
2	*2452.00	96.85 AV			1.49 H	185	93.87	2.98
3	2483.50	67.65 PK	74.00	-6.35	1.64 H	122	64.59	3.06
4	2483.50	51.22 AV	54.00	-2.78	1.64 H	122	48.16	3.06
5	4904.00	50.69 PK	74.00	-23.31	1.67 H	107	43.18	7.51
6	4904.00	38.07 AV	54.00	-15.93	1.67 H	107	30.56	7.51
7	7356.00	56.97 PK	74.00	-17.03	1.97 H	178	45.09	11.88
8	7356.00	42.78 AV	54.00	-11.22	1.97 H	178	30.90	11.88
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2452.00	105.00 PK			1.00 V	119	102.02	2.98
2	*2452.00	95.19 AV			1.00 V	119	92.21	2.98
3	2483.50	61.32 PK	74.00	-12.68	1.32 V	182	58.26	3.06
4	2483.50	47.82 AV	54.00	-6.18	1.32 V	182	44.76	3.06
5	4904.00	50.38 PK	74.00	-23.62	1.38 V	360	42.87	7.51
6	4904.00	37.97 AV	54.00	-16.03	1.38 V	360	30.46	7.51
7	7356.00	56.81 PK	74.00	-17.19	1.81 V	140	44.93	11.88
8	7356.00	41.53 AV	54.00	-12.47	1.97 H	178	29.65	11.88

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

BELOW 1GHz WORST-CASE DATA:

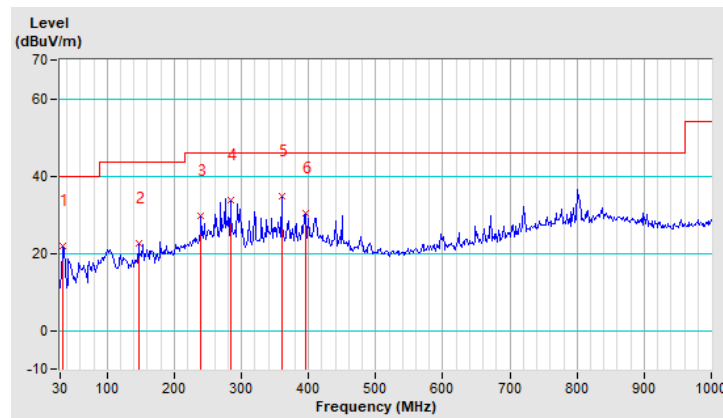
BT-LE (GFSK)

CHANNEL	TX Channel 39	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9KHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	34.66	21.93 QP	40.00	-18.07	1.06 H	36	40.70	-18.77
2	146.59	22.53 QP	43.50	-20.97	1.25 H	55	39.18	-16.65
3	239.86	29.73 QP	46.00	-16.27	1.47 H	77	47.45	-17.72
4	283.38	33.78 QP	46.00	-12.22	1.76 H	105	49.61	-15.83
5	359.55	34.74 QP	46.00	-11.26	1.91 H	121	48.69	-13.95
6	395.30	30.47 QP	46.00	-15.53	1.99 H	135	43.06	-12.59

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. 9KHz~30MHz have been test and test data more than 20dB margin.
5. Margin value = Emission level – Limit value.

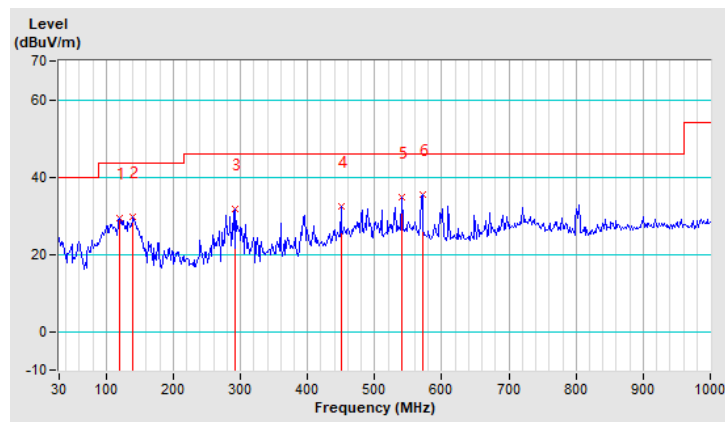


CHANNEL	TX Channel 39	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9KHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	120.16	29.17 QP	43.50	-14.33	1.20 V	45	48.81	-19.64
2	140.37	29.49 QP	43.50	-14.01	1.40 V	64	46.55	-17.06
3	292.71	31.58 QP	46.00	-14.42	1.59 V	83	47.04	-15.46
4	449.71	32.21 QP	46.00	-13.79	2.00 V	132	42.93	-10.72
5	539.87	34.59 QP	46.00	-11.41	1.75 V	99	44.04	-9.45
6	570.96	35.26 QP	46.00	-10.74	1.89 V	114	43.98	-8.72

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. 9KHz~30MHz have been test and test data more than 20dB margin.
5. Margin value = Emission level – Limit value.



ABOVE 1GHz TEST DATA:

BT-LE (GFSK) 1M

CHANNEL	TX Channel 0	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	45.51 PK	74.00	-28.49	4.00 H	78	42.70	2.81
2	2390.00	32.99 AV	54.00	-21.01	4.00 H	78	30.18	2.81
3	*2402.00	93.33 PK			2.31 H	15	90.49	2.84
4	*2402.00	92.96 AV			2.31 H	15	90.12	2.84
5	4804.00	51.62 PK	74.00	-22.38	2.35 H	5	44.41	7.21
6	4804.00	40.15 AV	54.00	-13.85	2.35 H	5	32.94	7.21
7	7206.00	53.19 PK	74.00	-20.81	3.28 H	78	41.85	11.34
8	7206.00	43.13 AV	54.00	-10.87	3.28 H	78	31.79	11.34
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	45.27 PK	74.00	-28.73	3.21 V	14	42.46	2.81
2	2390.00	32.93 AV	54.00	-21.07	3.21 V	14	30.12	2.81
3	*2402.00	93.29 PK			4.00 V	5	90.45	2.84
4	*2402.00	92.53 AV			4.00 V	5	89.69	2.84
5	4804.00	51.61 PK	74.00	-22.39	2.88 V	88	44.40	7.21
6	4804.00	39.40 AV	54.00	-14.60	2.88 V	88	32.19	7.21
7	7206.00	54.31 PK	74.00	-19.69	2.66 V	98	42.97	11.34
8	7206.00	42.73 AV	54.00	-11.27	2.66 V	98	31.39	11.34

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * " : Fundamental frequency.

CHANNEL	TX Channel 19	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2440.00	90.31 PK			2.35 H	5	87.37	2.94
2	*2440.00	87.62 AV			2.35 H	5	84.68	2.94
3	4880.00	51.49 PK	74.00	-22.51	2.35 H	56	44.05	7.44
4	4880.00	40.84 AV	54.00	-13.16	2.35 H	56	33.40	7.44
5	7320.00	53.11 PK	74.00	-20.89	1.56 H	78	41.36	11.75
6	7320.00	42.14 AV	54.00	-11.86	1.56 H	78	30.39	11.75
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2440.00	94.21 PK			2.35 V	56	91.27	2.94
2	*2440.00	92.21 AV			2.35 V	56	89.27	2.94
3	4880.00	50.32 PK	74.00	-23.68	4.00 V	15	42.88	7.44
4	4880.00	40.41 AV	54.00	-13.59	4.00 V	15	32.97	7.44
5	7320.00	53.16 PK	74.00	-20.84	4.00 V	8	41.41	11.75
6	7320.00	41.31 AV	54.00	-12.69	4.00 V	8	29.56	11.75

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

CHANNEL	TX Channel 39	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2480.00	88.96 PK			4.00 H	45	85.92	3.04
2	*2480.00	87.80 AV			4.00 H	45	84.76	3.04
3	2483.50	49.49 PK	74.00	-24.51	2.35 H	15	46.43	3.06
4	2483.50	42.84 AV	54.00	-11.16	2.35 H	15	39.78	3.06
5	4960.00	51.62 PK	74.00	-22.38	3.21 H	150	43.95	7.67
6	4960.00	38.45 AV	54.00	-15.55	3.21 H	150	30.78	7.67
7	7440.00	53.14 PK	74.00	-20.86	2.38 H	7	40.96	12.18
8	7440.00	42.16 AV	54.00	-11.84	2.38 H	7	29.98	12.18
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2480.00	95.30 PK			2.31 V	45	92.26	3.04
2	*2480.00	93.82 AV			2.31 V	45	90.78	3.04
3	2483.50	54.21 PK	74.00	-19.79	1.00 V	88	51.15	3.06
4	2483.50	49.36 AV	54.00	-4.64	1.00 V	88	46.30	3.06
5	4960.00	51.24 PK	74.00	-22.76	4.00 V	89	43.57	7.67
6	4960.00	40.13 AV	54.00	-13.87	4.00 V	89	32.46	7.67
7	7440.00	53.62 PK	74.00	-20.38	3.99 V	9	41.44	12.18
8	7440.00	41.54 AV	54.00	-12.46	3.99 V	9	29.36	12.18

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

BT-LE (GFSK) 2M

CHANNEL	TX Channel 0	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	45.91 PK	74.00	-28.09	2.22 H	15	43.10	2.81
2	2390.00	32.89 AV	54.00	-21.11	2.22 H	15	30.08	2.81
3	*2402.00	93.15 PK			3.21 H	45	90.31	2.84
4	*2402.00	89.78 AV			3.21 H	45	86.94	2.84
5	4804.00	50.24 PK	74.00	-23.76	2.35 H	56	43.03	7.21
6	4804.00	38.74 AV	54.00	-15.26	2.35 H	56	31.53	7.21
7	7206.00	53.21 PK	74.00	-20.79	4.00 H	55	41.87	11.34
8	7206.00	40.43 AV	54.00	-13.57	4.00 H	55	29.09	11.34
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	45.28 PK	74.00	-28.72	1.57 V	78	42.47	2.81
2	2390.00	32.94 AV	54.00	-21.06	1.57 V	78	30.13	2.81
3	*2402.00	93.67 PK			2.55 V	15	90.83	2.84
4	*2402.00	89.55 AV			2.55 V	15	86.71	2.84
5	4804.00	51.11 PK	74.00	-22.89	2.36 V	6	43.90	7.21
6	4804.00	39.72 AV	54.00	-14.28	2.36 V	6	32.51	7.21
7	7206.00	53.62 PK	74.00	-20.38	4.00 V	78	42.28	11.34
8	7206.00	40.13 AV	54.00	-13.87	4.00 V	78	28.79	11.34

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

CHANNEL	TX Channel 19	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2440.00	90.21 PK			2.35 H	56	87.27	2.94
2	*2440.00	88.64 AV			2.35 H	56	85.70	2.94
3	4880.00	51.24 PK	74.00	-22.76	4.00 H	56	43.80	7.44
4	4880.00	40.11 AV	54.00	-13.89	4.00 H	56	32.67	7.44
5	7320.00	53.22 PK	74.00	-20.78	4.00 H	48	41.47	11.75
6	7320.00	42.31 AV	54.00	-11.69	4.00 H	48	30.56	11.75
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2440.00	94.21 PK			2.35 V	15	91.27	2.94
2	*2440.00	90.83 AV			2.35 V	15	87.89	2.94
3	4880.00	50.24 PK	74.00	-23.76	2.36 V	56	42.80	7.44
4	4880.00	40.74 AV	54.00	-13.26	2.36 V	56	33.30	7.44
5	7320.00	53.64 PK	74.00	-20.36	2.35 V	56	41.89	11.75
6	7320.00	42.67 AV	54.00	-11.33	2.35 V	56	30.92	11.75

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

CHANNEL	TX Channel 39	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2480.00	89.21 PK			3.21 H	15	86.17	3.04
2	*2480.00	85.68 AV			3.21 H	15	82.64	3.04
3	2483.50	52.60 PK	74.00	-21.40	2.35 H	51	49.54	3.06
4	2483.50	42.66 AV	54.00	-11.34	2.35 H	51	39.60	3.06
5	4960.00	52.34 PK	74.00	-21.66	3.21 H	15	44.67	7.67
6	4960.00	38.22 AV	54.00	-15.78	3.21 H	15	30.55	7.67
7	7440.00	54.61 PK	74.00	-19.39	3.21 H	15	42.43	12.18
8	7440.00	41.82 AV	54.00	-12.18	3.21 H	15	29.64	12.18
ANTENNA POLARITY & TEST DISTANCE : VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2480.00	95.52 PK			3.21 V	15	92.48	3.04
2	*2480.00	91.83 AV			3.21 V	15	88.79	3.04
3	2483.50	58.08 PK	74.00	-15.92	3.21 V	15	55.02	3.06
4	2483.50	49.50 AV	54.00	-4.50	3.21 V	15	46.44	3.06
5	4960.00	51.24 PK	74.00	-22.76	3.56 V	98	43.57	7.67
6	4960.00	41.09 AV	54.00	-12.91	3.56 V	98	33.42	7.67
7	7440.00	53.62 PK	74.00	-20.38	3.98 V	78	41.44	12.18
8	7440.00	40.32 AV	54.00	-13.68	3.98 V	78	28.14	12.18

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

4.3 6DB BANDWIDTH MEASUREMENT

4.3.1 LIMITS OF 6DB BANDWIDTH MEASUREMENT

The minimum of 6dB Bandwidth Measurement is 0.5 MHz.

4.3.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.
Power Sensor	Keysight	U2021XA	MY57320002	Apr. 07, 26
Digital Multimeter	FLUKE	15B	A1220010DG	N/A
Humid & Temp Programmable Tester	Haida	HD-225T	110807201	Oct. 10, 26
Oscilloscope	Agilent	DSO9254A	MY51260160	Jul. 06, 26
Signal and Spectrum Analyzer	Rohde&Schwarz	FSV40	101094	Oct. 09, 26
Signal Generator	Agilent	N5183A	MY50140980	Jul. 06, 26
MXG-B RF Vector Signal Generator	Keysight	N5182B	MY56200288	Jul. 06, 26
BLUETOOTH TESTER	Rohde&Schwarz	CBT32	100811	N/A
Attenuator	MINI	BW-S10W2+	S130129FGE2	N/A
DC Source	Keysight	E3642A	MY56146098	N/A
Test software	ADT	ADT_RF Test Software V6.6.5.3	N/A	N/A

NOTES:

1. The test was performed in RF Test Shielded Room.
2. Equipment are calibrated by calibration laboratory accredited to ISO/IEC 17025 by a mutually recognized Accreditation and all tests are conducted within a valid calibration cycle.

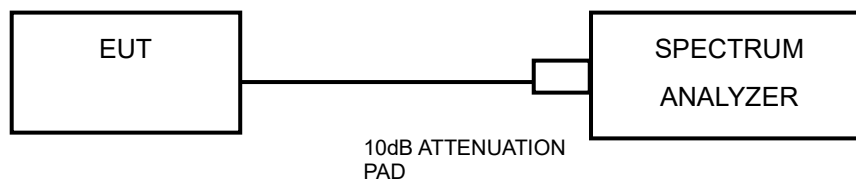
4.3.3 TEST PROCEDURE

1. Set RBW = 100K(shall be in the range of 1% to 5% of OBW, but not less than 100kHz).
2. Set the video bandwidth (VBW) ≥ 3 RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = No faster than coupled(auto) time.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

4.3.4 DEVIATION FROM TEST STANDARD

No deviation.

4.3.5 TEST SETUP



4.3.6 EUT OPERATING CONDITIONS

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

4.3.7 TEST RESULTS

802.11b

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)		MINIMUM LIMIT (MHz)	PASS / FAIL
		Chain0	Chain1		
1	2412	9.06	8.57	0.5	PASS
6	2437	8.61	9.08	0.5	PASS
11	2462	9.06	9.05	0.5	PASS

802.11g

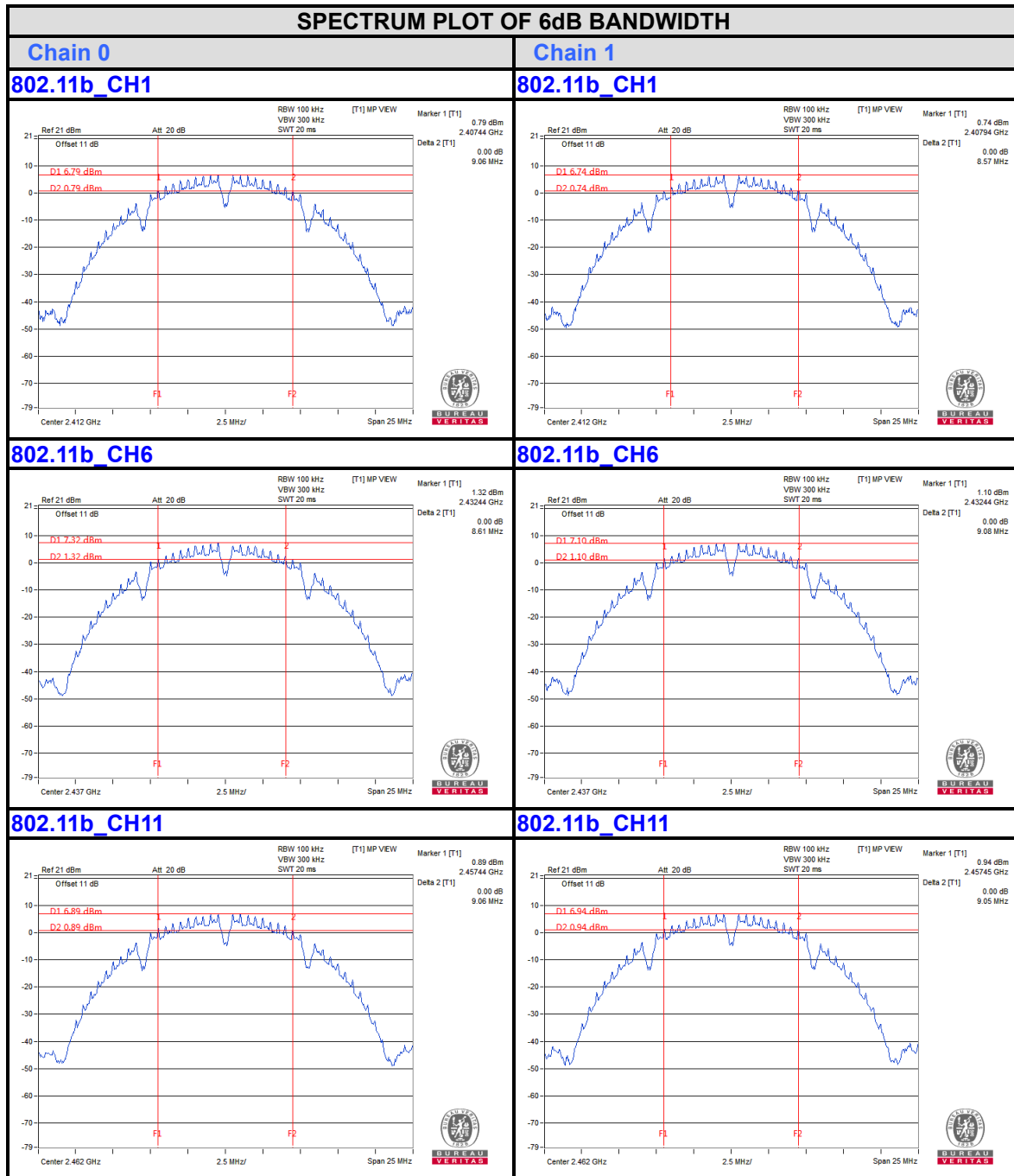
CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)		MINIMUM LIMIT (MHz)	PASS / FAIL
		Chain0	Chain1		
1	2412	15.19	15.17	0.5	PASS
6	2437	15.18	15.19	0.5	PASS
11	2462	15.18	15.36	0.5	PASS

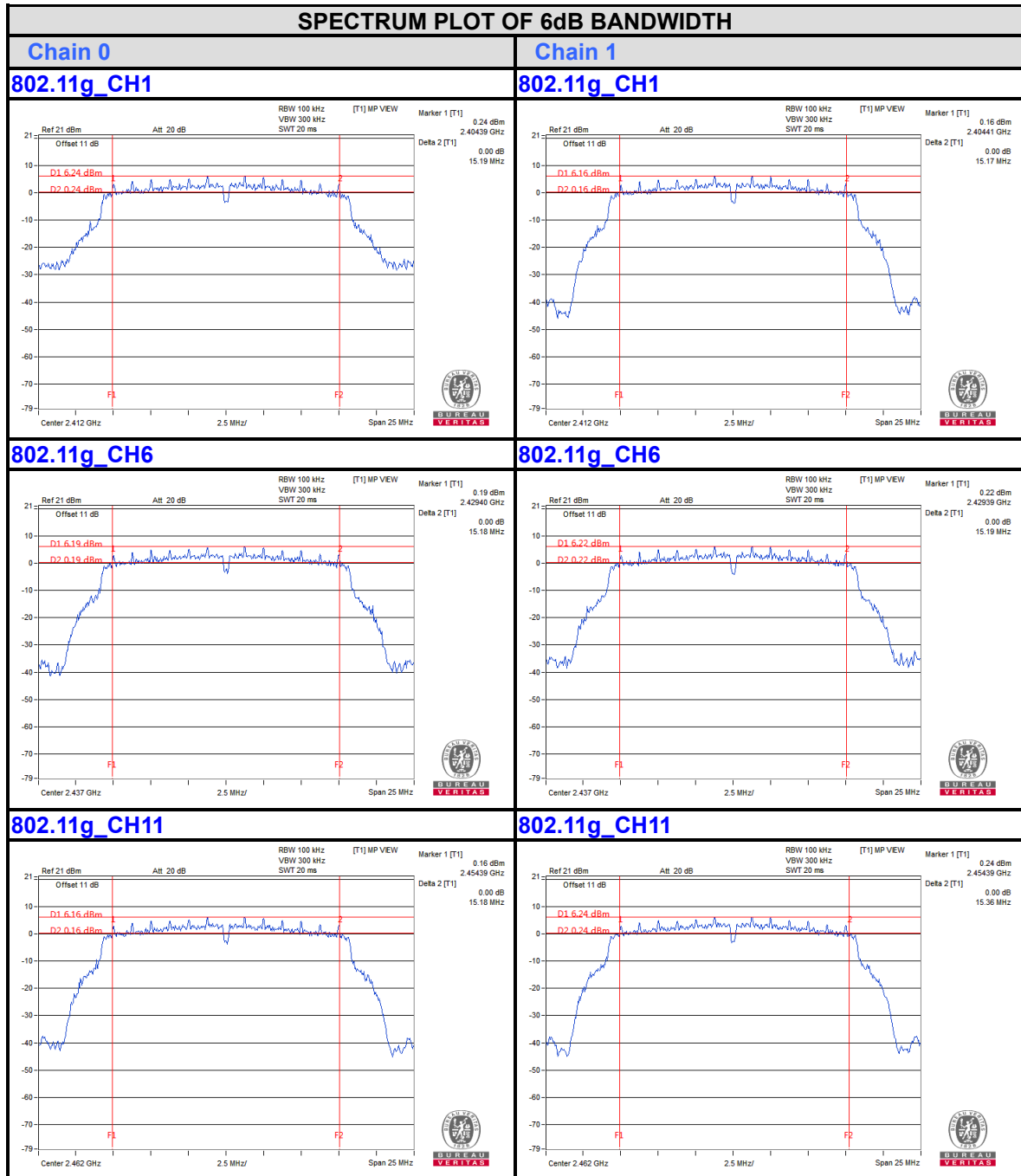
802.11n HT20

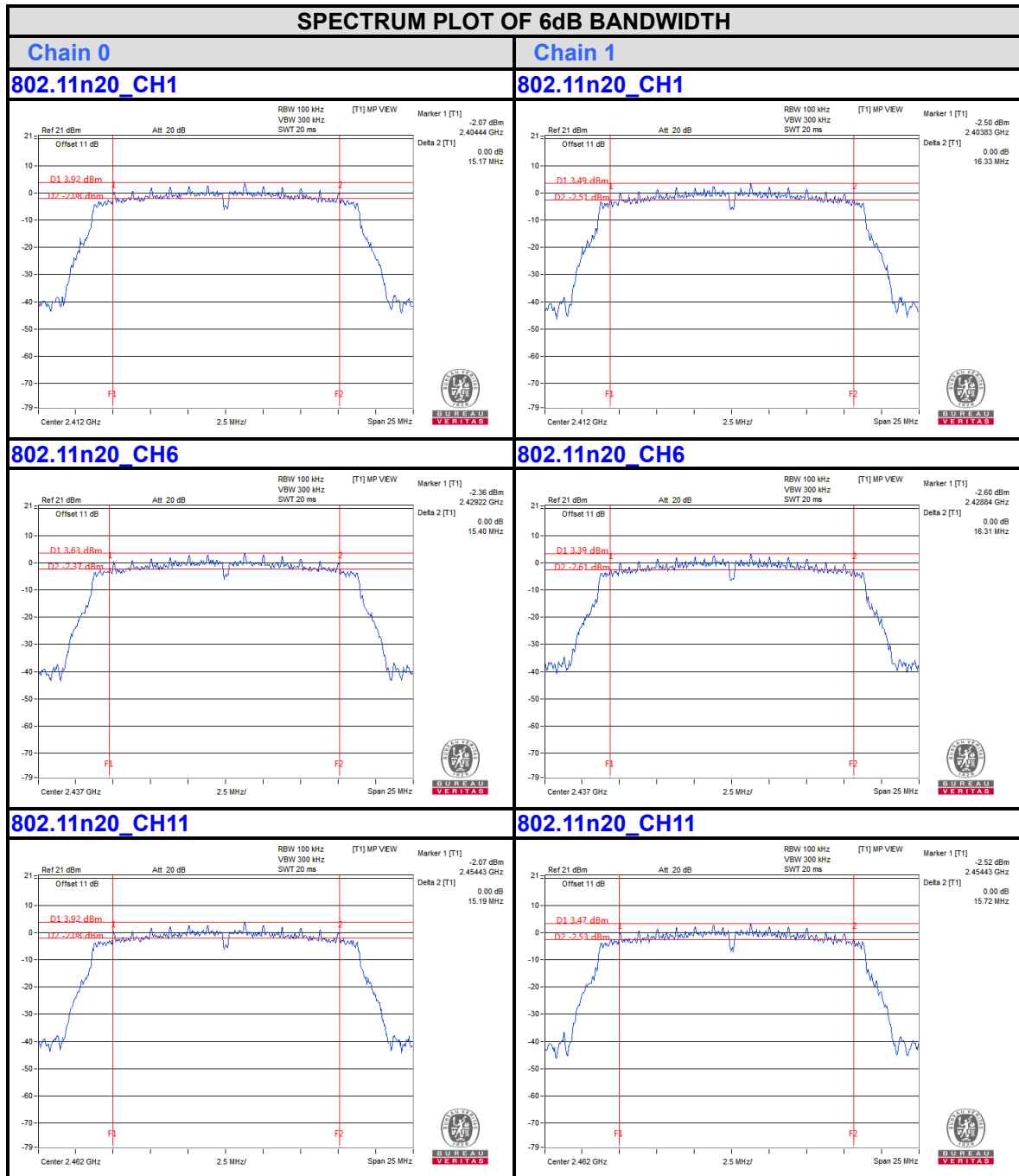
CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)		MINIMUM LIMIT (MHz)	PASS / FAIL
		Chain0	Chain1		
1	2412	15.17	16.33	0.5	PASS
6	2437	15.40	16.31	0.5	PASS
11	2462	15.19	15.72	0.5	PASS

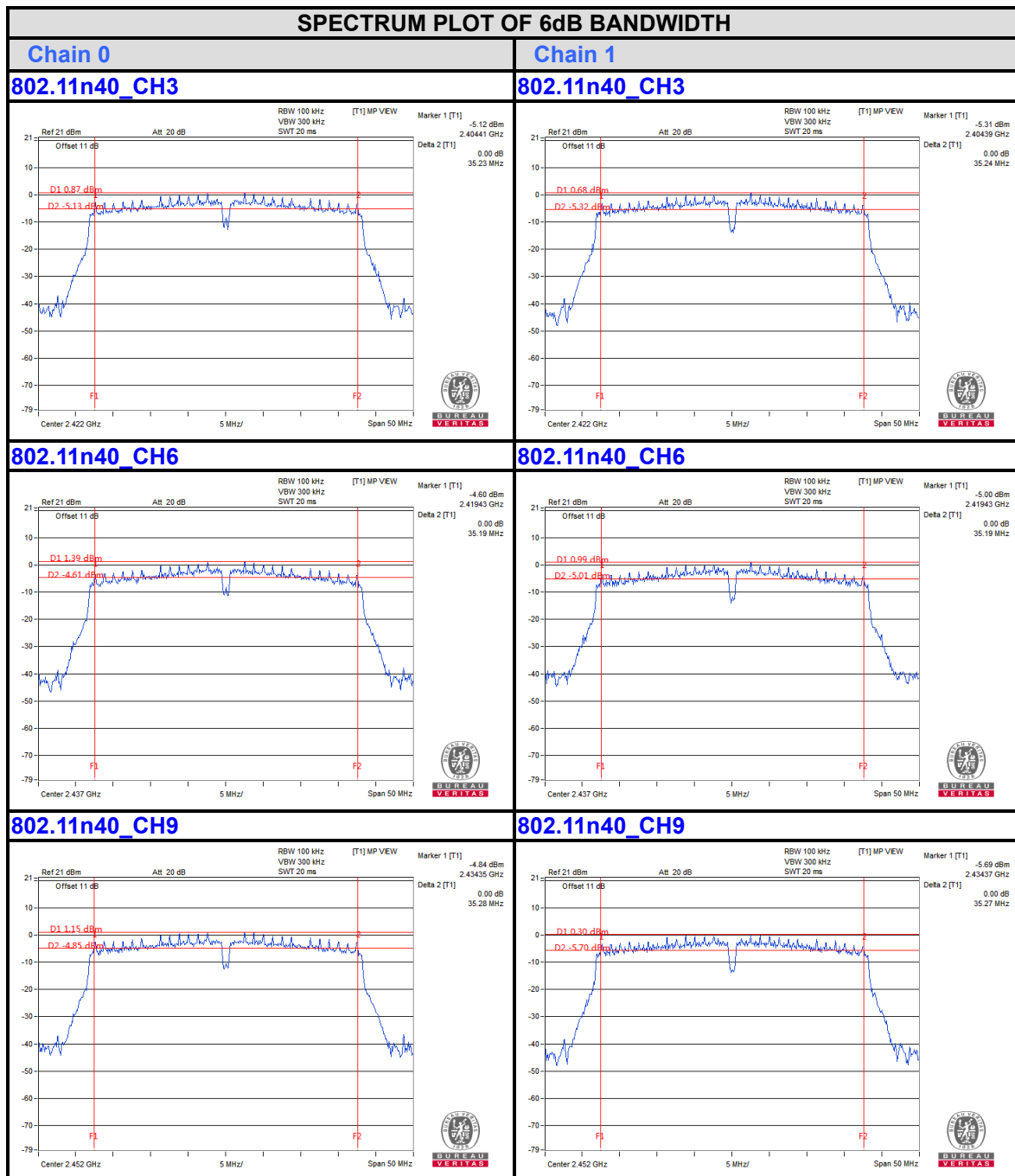
802.11n HT40

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)		MINIMUM LIMIT (MHz)	PASS / FAIL
		Chain0	Chain1		
3	2422	35.23	35.24	0.5	PASS
6	2437	35.19	35.19	0.5	PASS
9	2452	35.28	35.27	0.5	PASS







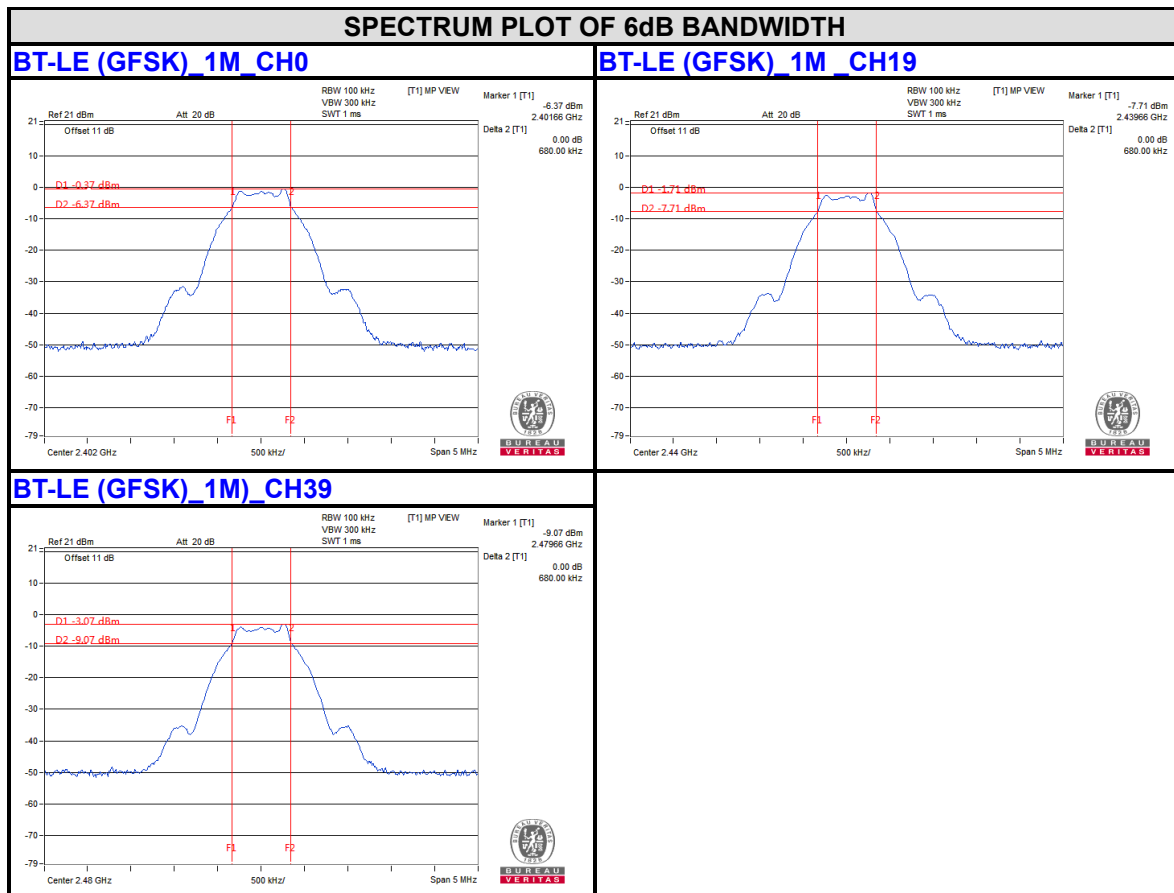


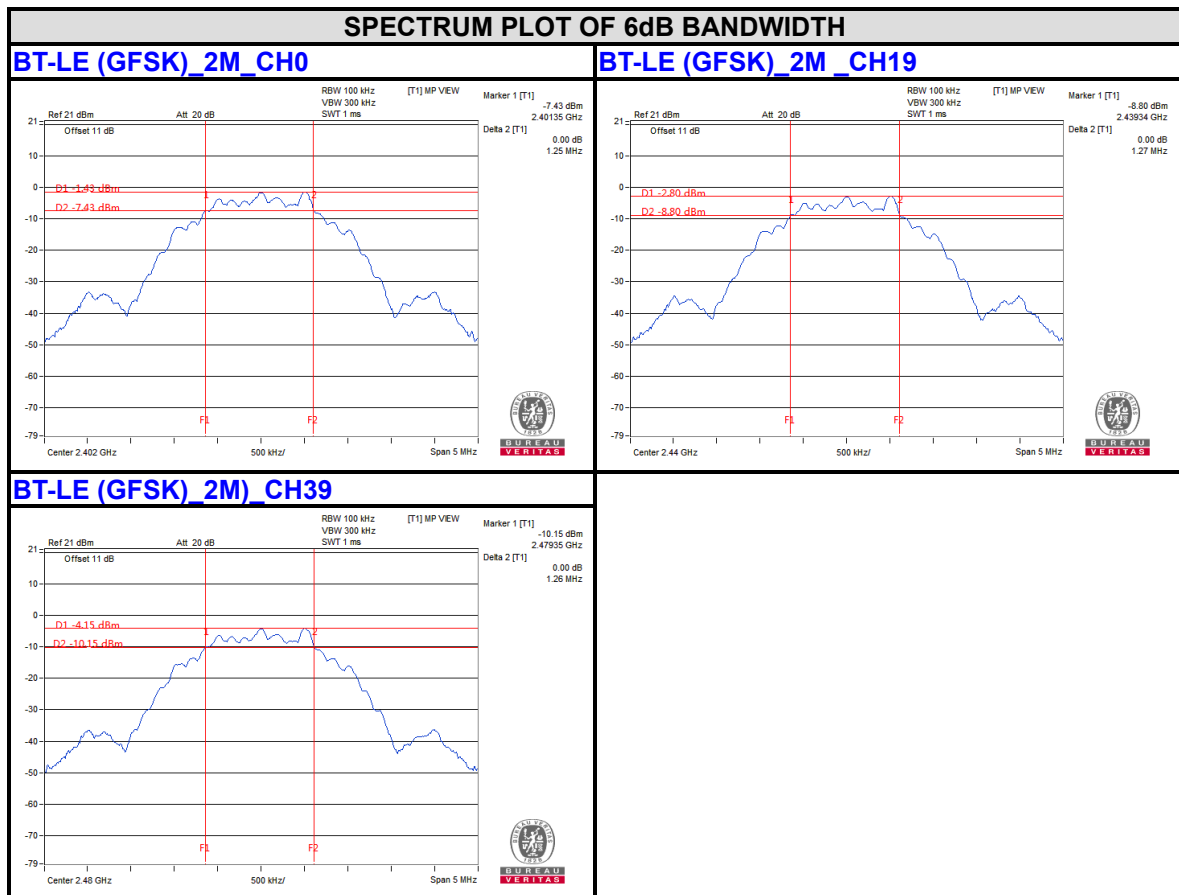
BT-LE (GFSK) 1M

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
0	2402	0.68	0.5	PASS
19	2440	0.68	0.5	PASS
39	2480	0.68	0.5	PASS

BT-LE (GFSK) 2M

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
0	2402	1.25	0.5	PASS
19	2440	1.27	0.5	PASS
39	2480	1.26	0.5	PASS



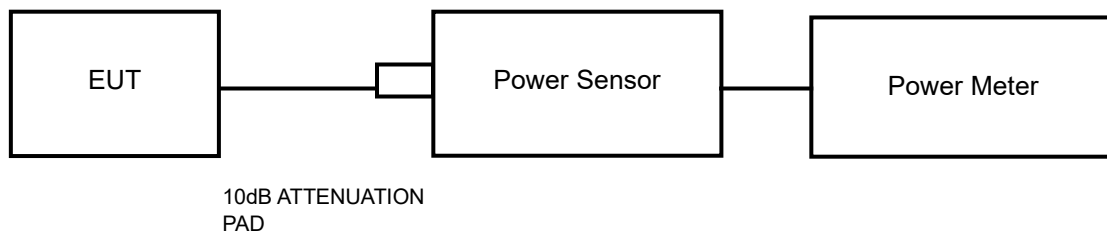


4.4 CONDUCTED OUTPUT POWER

4.4.1 LIMITS OF CONDUCTED OUTPUT POWER MEASUREMENT

For systems using digital modulation in the 2400–2483.5 MHz band: 1 Watt (30dBm).

4.4.2 TEST SETUP



4.4.3 TEST INSTRUMENTS

Refer to section 4.3.2 to get information of above instrument.

4.4.4 TEST PROCEDURES

A peak power sensor was used on the output port of the EUT. A power meter was used to read the response of the peak power sensor and set the detector to PEAK. Record the power level.

An average power sensor was used on the output port of the EUT. A power meter was used to read the response of the average power sensor and set the detector to AVERAGE. Record the power level.

4.4.5 DEVIATION FROM TEST STANDARD

No deviation.

4.4.6 EUT OPERATING CONDITIONS

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

4.4.7 TEST RESULTS

MAXIMUM PEAK OUTPUT POWER

802.11b

CHAN.	FRE. (MHz)	PEAK POWER (dBm)		PEAK POWER (mW)		TOTAL POWER (mW)	TOTAL POWER (dBm)	PEAK POWER LIMIT (W)	PASS/F AIL
		CHAIN 0	CHAIN 1	CHAIN 0	CHAIN 1				
1	2412	18.18	18.05	65.766	63.826	/	/	1	PASS
6	2437	18.65	18.50	73.282	70.795	/	/	1	PASS
11	2462	18.54	18.35	71.45	68.391	/	/	1	PASS

802.11g

CHAN.	FRE. (MHz)	PEAK POWER (dBm)		PEAK POWER (mW)		TOTAL POWER (mW)	TOTAL POWER (dBm)	PEAK POWER LIMIT (W)	PASS/F AIL
		CHAIN 0	CHAIN 1	CHAIN 0	CHAIN 1				
1	2412	25.65	24.95	367.282	312.608	/	/	1	PASS
6	2437	25.38	24.96	345.144	313.329	/	/	1	PASS
11	2462	25.18	24.98	329.61	314.775	/	/	1	PASS

802.11n HT20

CHAN.	FRE. (MHz)	PEAK POWER (dBm)		PEAK POWER (mW)		TOTAL POWER (mW)	TOTAL POWER (dBm)	PEAK POWER LIMIT (W)	PASS/F AIL
		CHAIN 0	CHAIN 1	CHAIN 0	CHAIN 1				
1	2412	23.56	23.18	226.986	207.97	434.956	26.38	1	PASS
6	2437	23.52	23.45	224.905	221.309	446.214	26.50	1	PASS
11	2462	22.98	23.09	198.609	203.704	402.313	26.05	1	PASS

Note: Directional Gain does not exceed 6dB, so the limit is no need to be reduced.

802.11n HT40

CHAN.	FRE. (MHz)	PEAK POWER (dBm)		PEAK POWER (mW)		TOTAL POWER (mW)	TOTAL POWER (dBm)	PEAK POWER LIMIT (W)	PASS/F AIL
		CHAIN 0	CHAIN 1	CHAIN 0	CHAIN 1				
3	2422	23.28	23.16	212.814	207.014	419.828	26.23	1	PASS
6	2437	23.18	23.38	207.97	217.771	425.741	26.29	1	PASS
9	2452	22.98	23.08	198.609	203.236	401.845	26.04	1	PASS

Note: Directional Gain does not exceed 6dB, so the limit is no need to be reduced.

BT-LE (GFSK) 1M

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER (dBm)	PEAK POWER (mW)	PEAK POWER LIMIT (W)	PASS/FAIL
0	2402	3.08	2.032	1	PASS
19	2440	1.98	1.578	1	PASS
39	2480	1.08	1.282	1	PASS

BT-LE (GFSK) 2M

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER (dBm)	PEAK POWER (mW)	PEAK POWER LIMIT (W)	PASS/FAIL
0	2402	3.95	2.483	1	PASS
19	2440	2.91	1.954	1	PASS
39	2480	1.85	1.531	1	PASS

AVERAGE OUTPUT POWER (FOR REFERENCE)

The average power sensor was used on the output port of the EUT. A power meter was used to read the response of the power sensor. Record the power level.

802.11b

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (dBm)		AVG. POWER (mW)		TOTAL POWER (mW)	TOTAL POWER (dBm)
		CHAIN 0	CHAIN 1	CHAIN 0	CHAIN 1		
1	2412	15.15	14.92	32.734	31.046	/	/
6	2437	15.52	15.32	35.645	34.041	/	/
11	2462	15.45	15.08	35.075	32.211	/	/

802.11g

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (dBm)		AVG. POWER (mW)		TOTAL POWER (mW)	TOTAL POWER (dBm)
		CHAIN 0	CHAIN 1	CHAIN 0	CHAIN 1		
1	2412	16.88	16.84	48.753	48.306	/	/
6	2437	16.93	16.89	49.317	48.865	/	/
11	2462	16.91	16.85	49.091	48.417	/	/

802.11n HT20

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (dBm)		AVG. POWER (mW)		TOTAL POWER (mW)	TOTAL POWER (dBm)
		CHAIN 0	CHAIN 1	CHAIN 0	CHAIN 1		
1	2412	14.70	14.78	29.512	30.061	59.573	17.75
6	2437	14.75	14.85	29.854	30.549	60.403	17.81
11	2462	14.73	14.81	29.717	30.269	59.986	17.78

802.11n HT40

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (dBm)		AVG. POWER (mW)		TOTAL POWER (mW)	TOTAL POWER (dBm)
		CHAIN 0	CHAIN 1	CHAIN 0	CHAIN 1		
3	2422	14.68	14.72	29.376	29.648	59.024	17.71
6	2437	14.90	14.82	30.903	30.339	61.242	17.87
9	2452	14.78	14.78	30.061	30.061	60.122	17.79

BT-LE (GFSK) 1M

CHANNEL	CHANNEL FREQUENCY(MHz)	AVERAGE POWER (dBm)	AVG. POWER (mW)
0	2402	0.29	1.069
19	2440	-1.08	0.7798
39	2480	-2.21	0.6012

BT-LE (GFSK) 2M

CHANNEL	CHANNEL FREQUENCY(MHz)	AVERAGE POWER (dBm)	AVG. POWER (mW)
0	2402	0.31	1.074
19	2440	-1.02	0.7907
39	2480	-2.21	0.6012

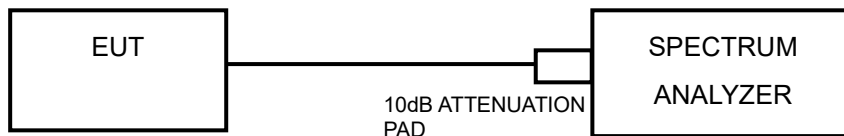
Remark: The above power values include duty cycle factors.

4.5 POWER SPECTRAL DENSITY MEASUREMENT

4.5.1 LIMITS OF POWER SPECTRAL DENSITY MEASUREMENT

The Maximum of Power Spectral Density Measurement is 8dBm/3KHz.

4.5.2 TEST SETUP



4.5.3 TEST INSTRUMENTS

Refer to section 4.3.2 to get information of above instrument.

4.5.4 TEST PROCEDURE

- a) Set instrument center frequency to DTS channel center frequency.
- b) Set span > 1.5 times the DTS bandwidth.
- c) Set RBW to $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ KHz}$
- d) Set VBW $\geq 3 \times \text{RBW}$
- e) Detector = peak
- f) Sweep time = No faster than coupled(auto) time,
- g) Trace mode = max hold
- h) allow trace to fully stabilize.
- i) Use the peak marker function to determine the maximum amplitude level within the RBW.
- j) If measured value exceeds requirement, then reduce RBW(but no less than 3KHz) and repeat.

4.5.5 DEVIATION FROM TEST STANDARD

No deviation.

4.5.6 EUT OPERATING CONDITION

Same as item 4.3.6.

4.5.7 TEST RESULTS

802.11b

Channel	FREQ. (MHz)	PSD (dBm/3kHz)		TOTAL (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
		Chain 0	Chain 1			
1	2412	-6.85	-7.46	/	8.00	PASS
6	2437	-7.06	-6.51	/	8.00	PASS
11	2462	-7.63	-7.61	/	8.00	PASS

802.11g

Channel	FREQ. (MHz)	PSD (dBm/3kHz)		TOTAL (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
		Chain 0	Chain 1			
1	2412	-8.48	-7.87	/	8.00	PASS
6	2437	-8.13	-7.45	/	8.00	PASS
11	2462	-8.03	-8.50	/	8.00	PASS

802.11n HT20

Channel	FREQ. (MHz)	PSD (dBm/3kHz)		TOTAL (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
		Chain 0	Chain 1			
1	2412	-10.13	-10.15	-7.13	8.00	PASS
6	2437	-10.05	-11.09	-7.53	8.00	PASS
11	2462	-9.99	-10.95	-7.43	8.00	PASS

802.11n HT40

Channel	FREQ. (MHz)	PSD (dBm/3kHz)		TOTAL (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
		Chain 0	Chain 1			
3	2422	-13.69	-12.24	-9.89	8.00	PASS
6	2437	-12.68	-13.89	-10.23	8.00	PASS
9	2452	-12.14	-13.44	-9.73	8.00	PASS

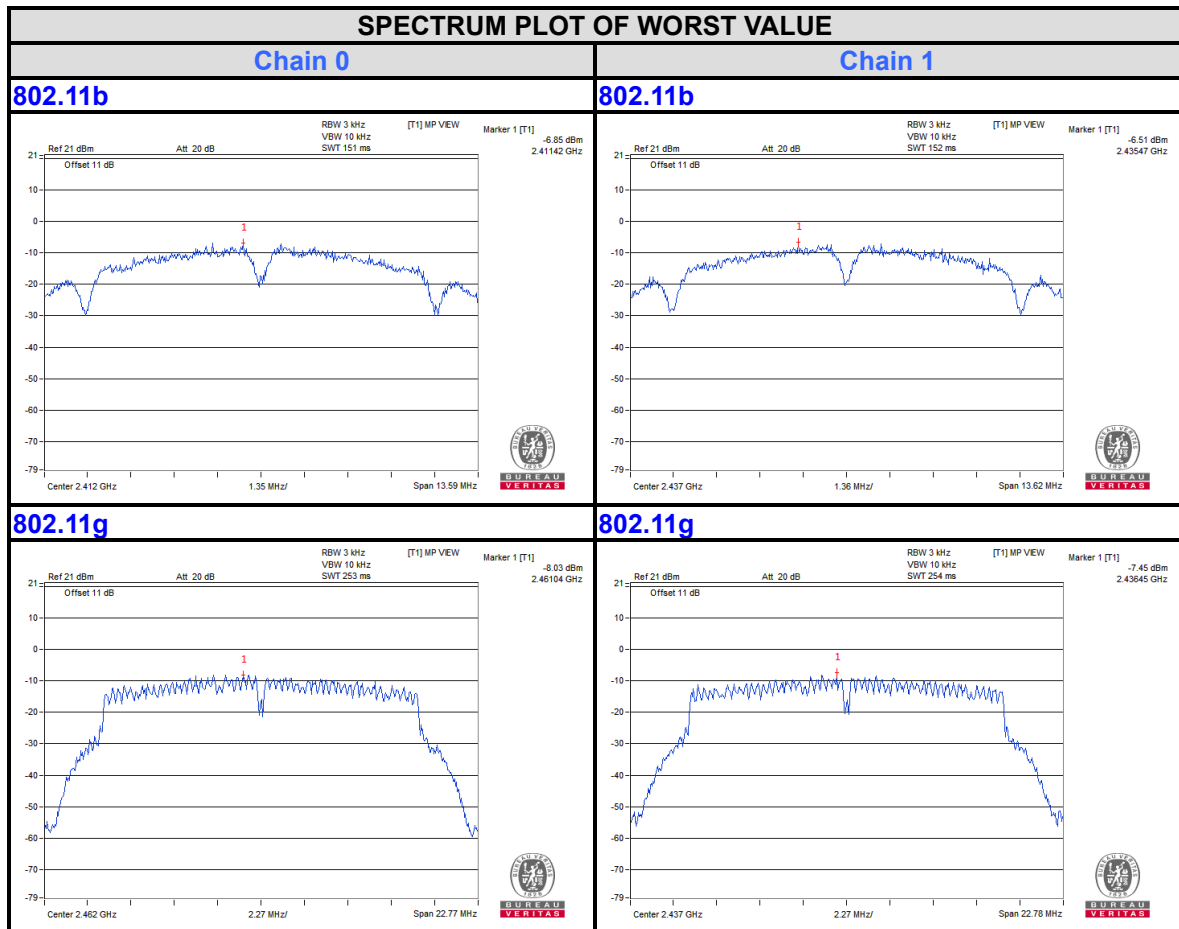
BT-LE (GFSK) 1M

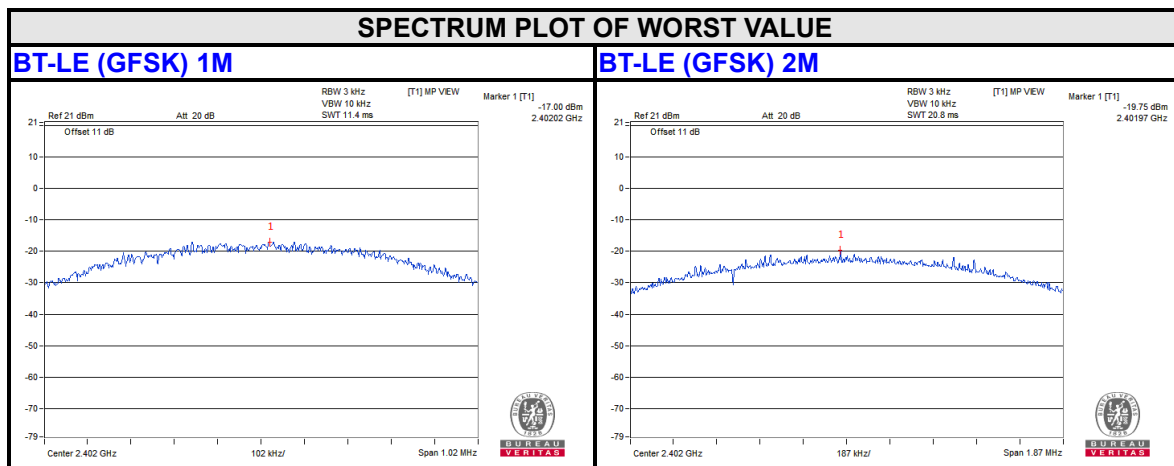
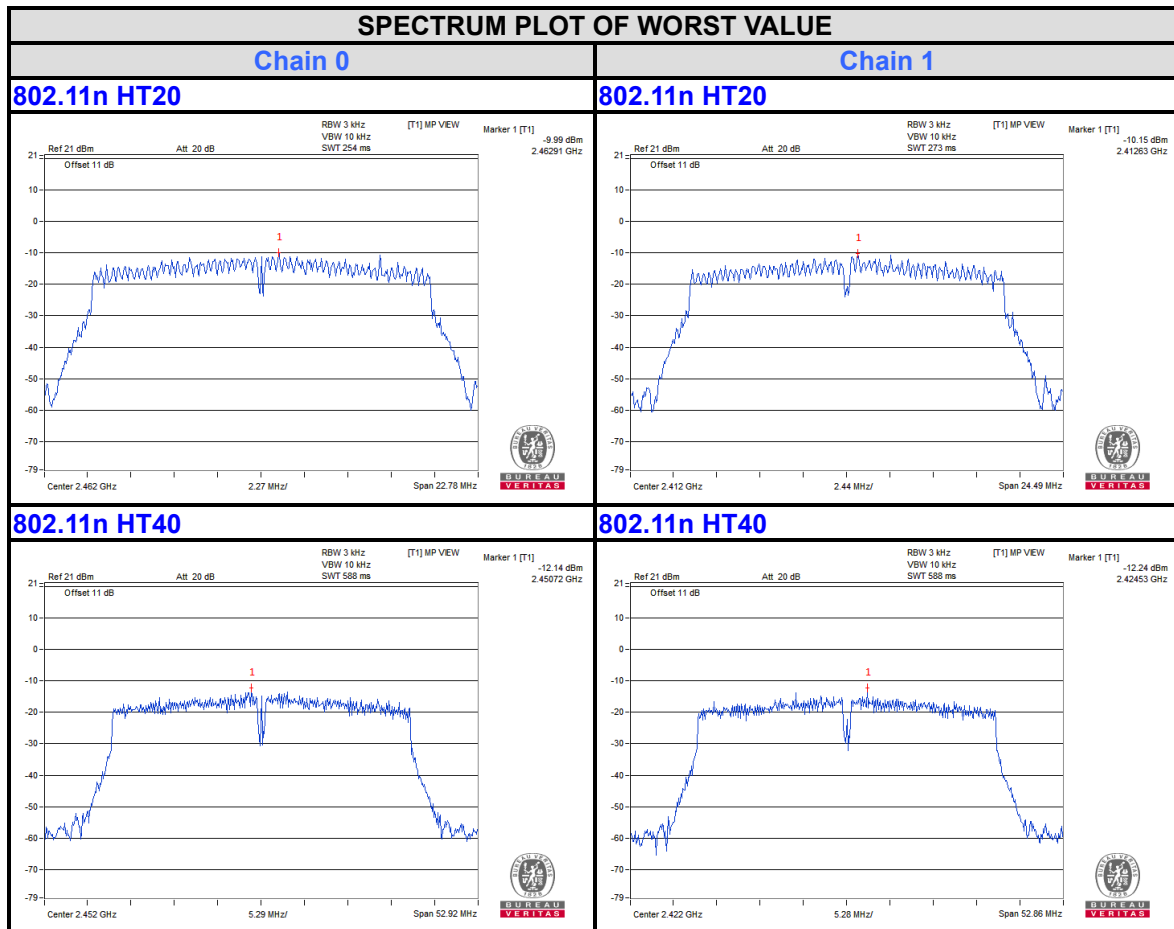
Channel	FREQ. (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
0	2402	-17.00	8.00	PASS
19	2440	-18.31	8.00	PASS
39	2480	-19.65	8.00	PASS

BT-LE (GFSK) 2M

Channel	FREQ. (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
0	2402	-19.75	8.00	PASS
19	2440	-21.03	8.00	PASS
39	2480	-22.34	8.00	PASS

Remark: The above PSD values include duty cycle factors.



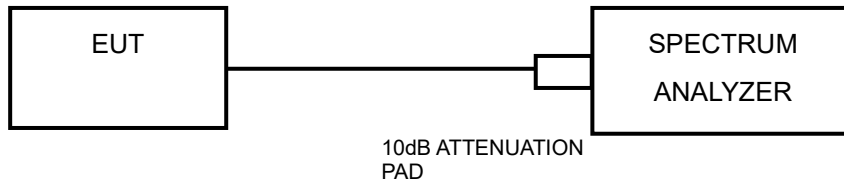


4.6 OUT OF BAND EMISSION MEASUREMENT

4.6.1 LIMITS OF OUT OF BAND EMISSION MEASUREMENT

Below -20dB of the highest emission level of operating band (in 100kHz Resolution Bandwidth).

4.6.2 TEST SETUP



4.6.3 TEST INSTRUMENTS

Refer to section 4.3.2 to get information of above instrument.

4.6.4 TEST PROCEDURE

Measurement Procedure – Reference Level

1. Set instrument center frequency to DTS channel center frequency.
2. Set the span to 1.5 times the DTS bandwidth.
3. Set the RBW = 100 kHz.
4. Set the VBW $\geq$ 100KHz(3x RBW).
5. Detector = peak.
6. Sweep time = No faster than coupled(auto) time.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum PSD level.

Measurement Procedure –Unwanted Emission Level

1. Set the center frequency and span to encompass frequency range to be measured.
2. Set RBW = 100 kHz.
3. Set VBW $\geq$ 300 kHz.
4. Detector = peak.
5. Sweep = No faster than coupled(auto) time.
6. Trace Mode = max hold.
7. Allow trace to fully stabilize.
8. Use the peak marker function to determine the maximum amplitude level.

4.6.5 DEVIATION FROM TEST STANDARD

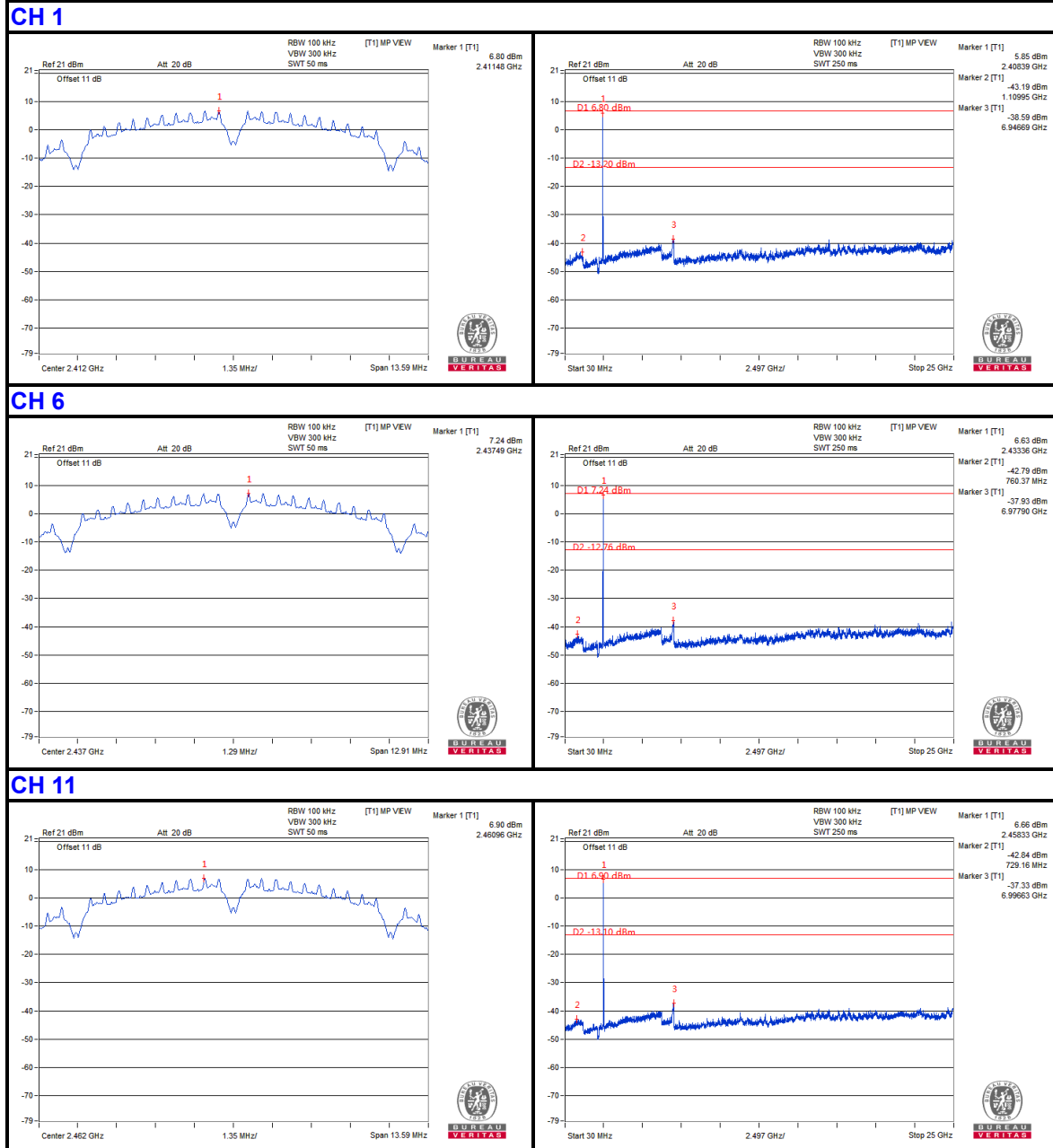
No deviation.

4.6.6 EUT OPERATING CONDITION

Same as item 4.3.6

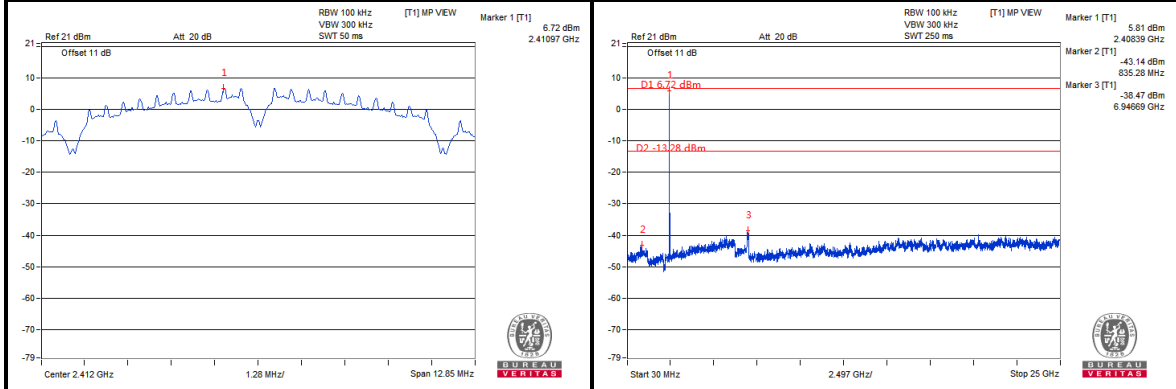
4.6.7 TEST RESULTS

802.11b
Chain 0

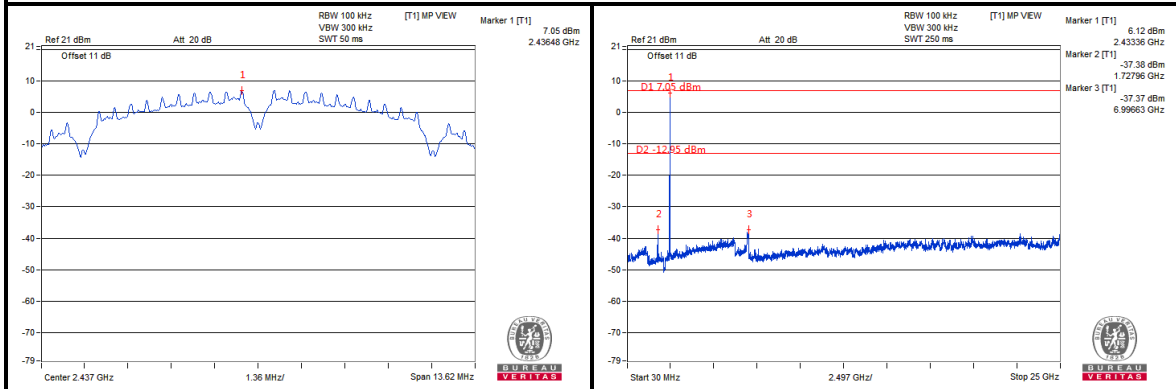


802.11b
Chain 1

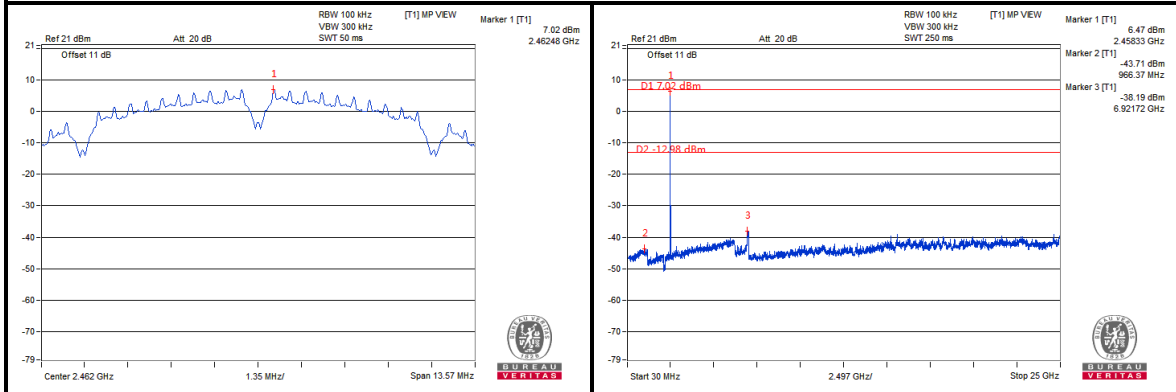
CH 1



CH 6

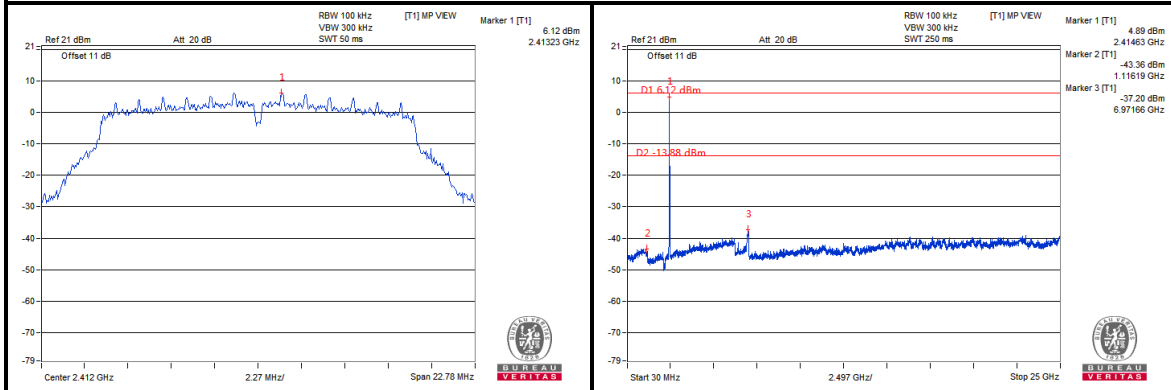


CH 11

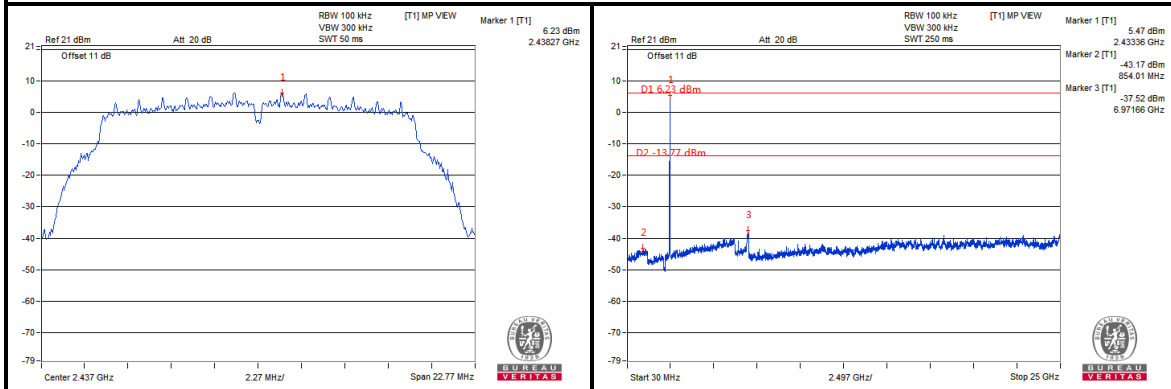


802.11g
Chain 0

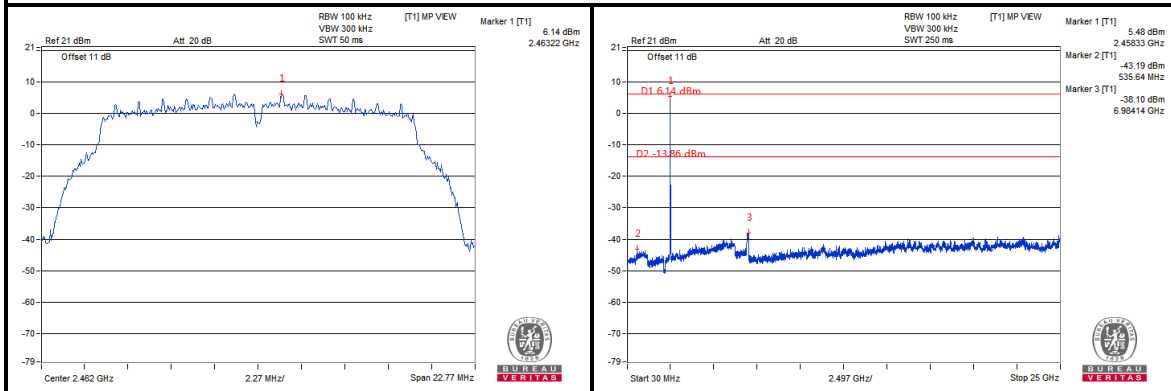
CH 1



CH 6

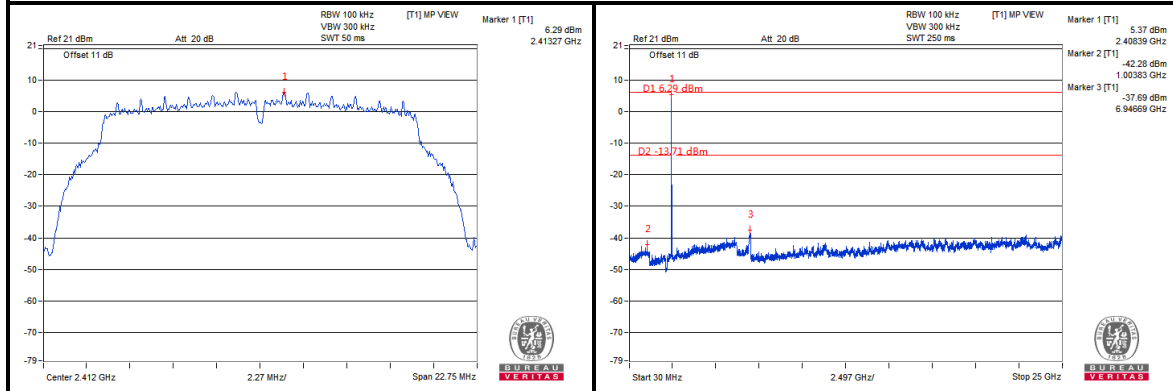


CH 11

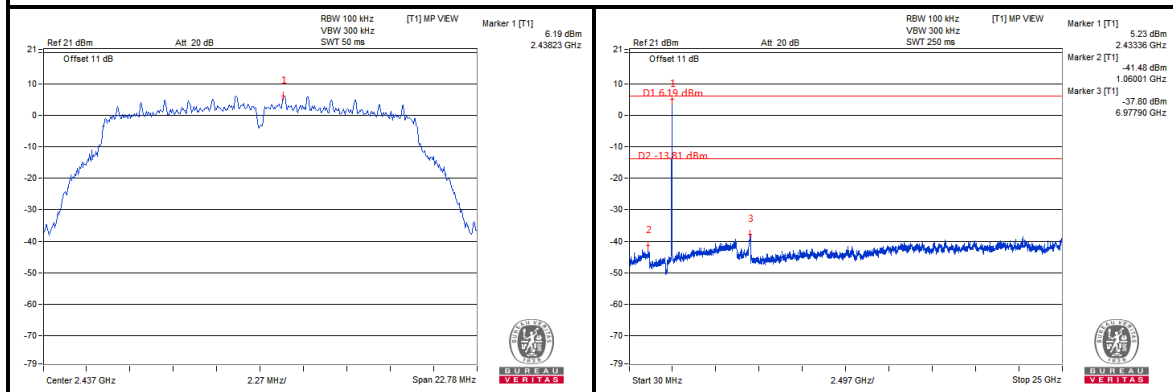


802.11g
Chain 1

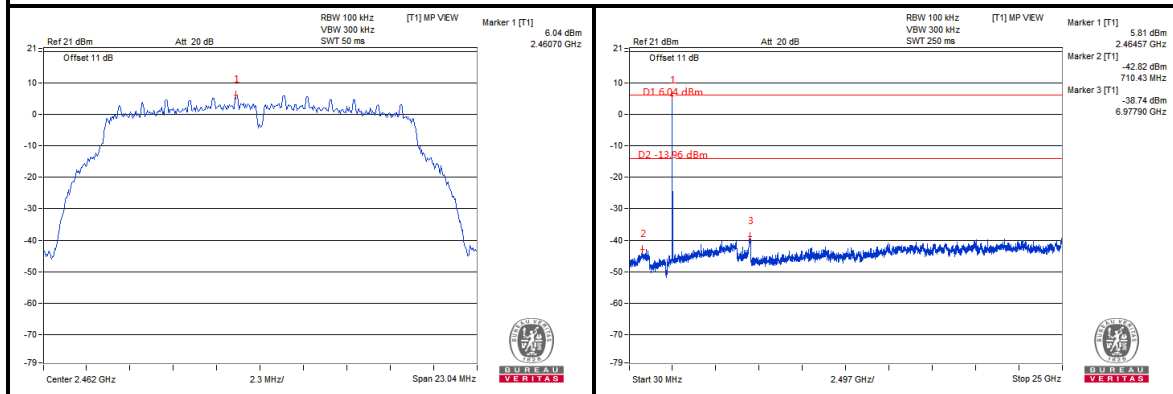
CH 1



CH 6



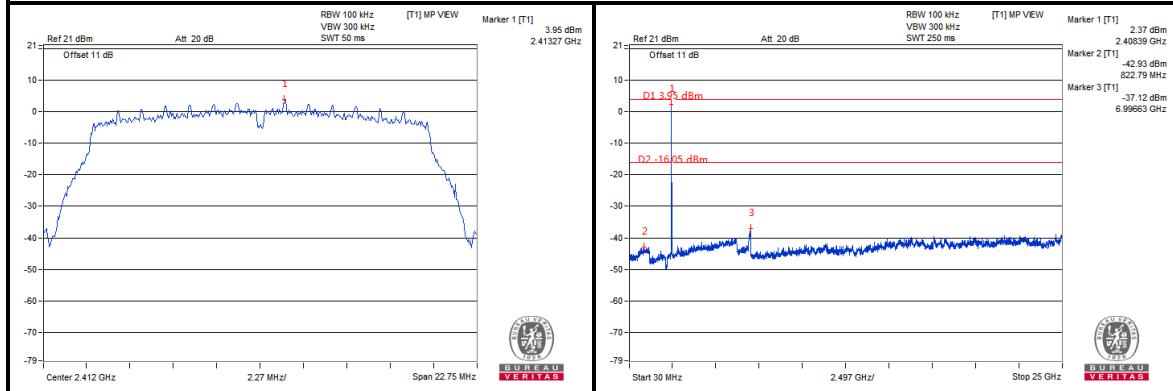
CH 11



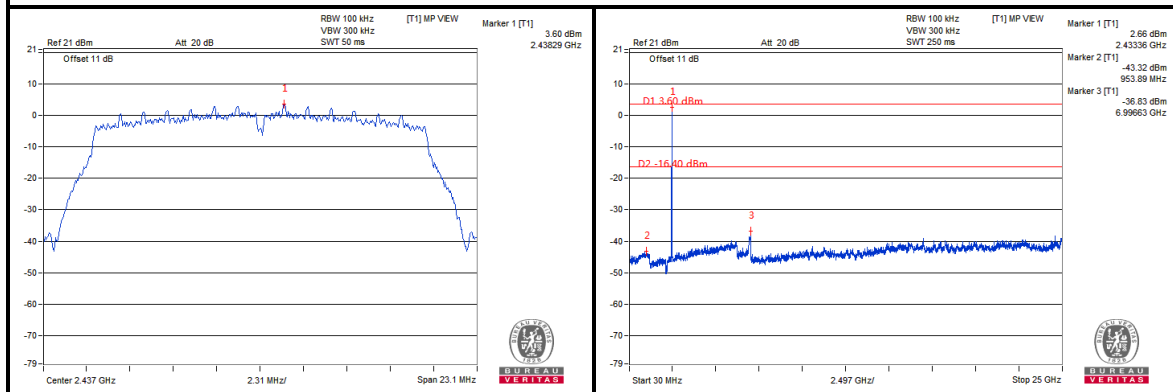
802.11n (HT20)

Chain 0

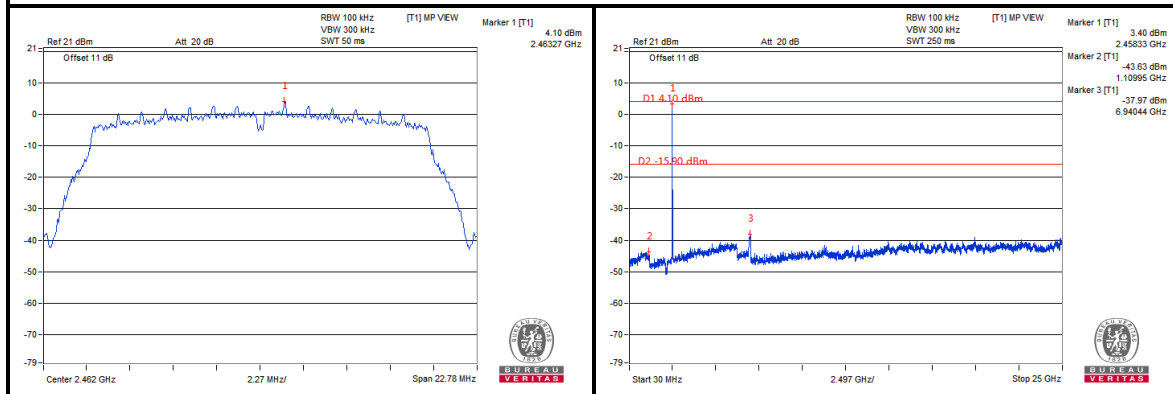
CH 1



CH 6



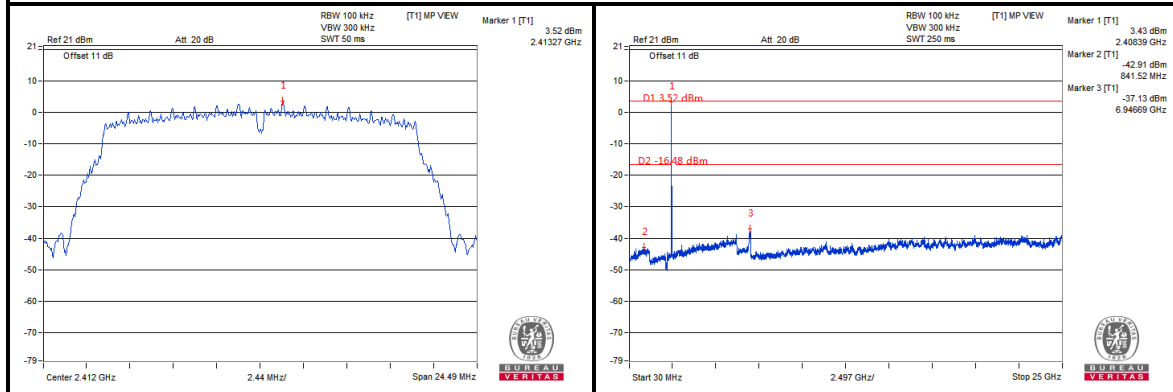
CH 11



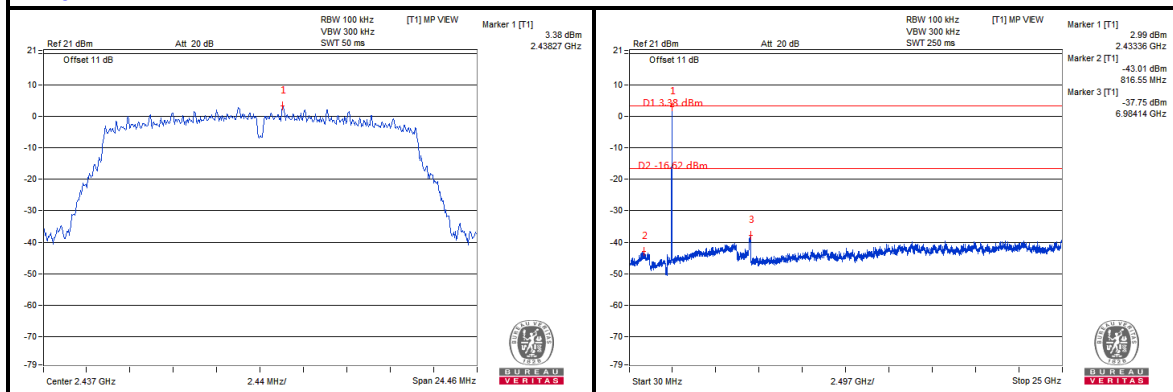
802.11n (HT20)

Chain 1

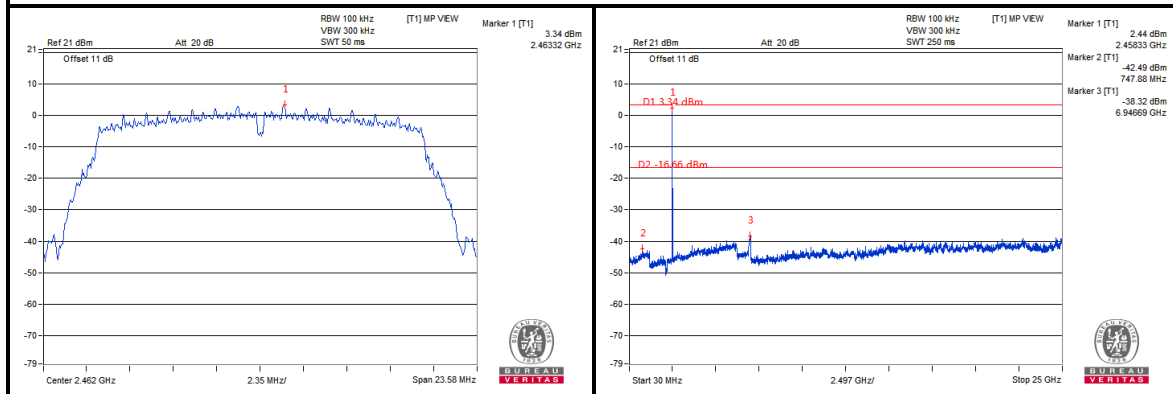
CH 1



CH 6

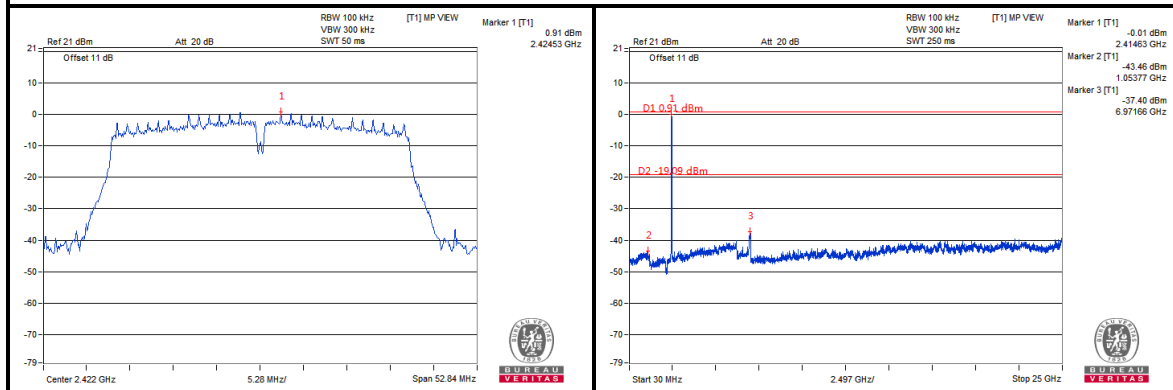


CH 11

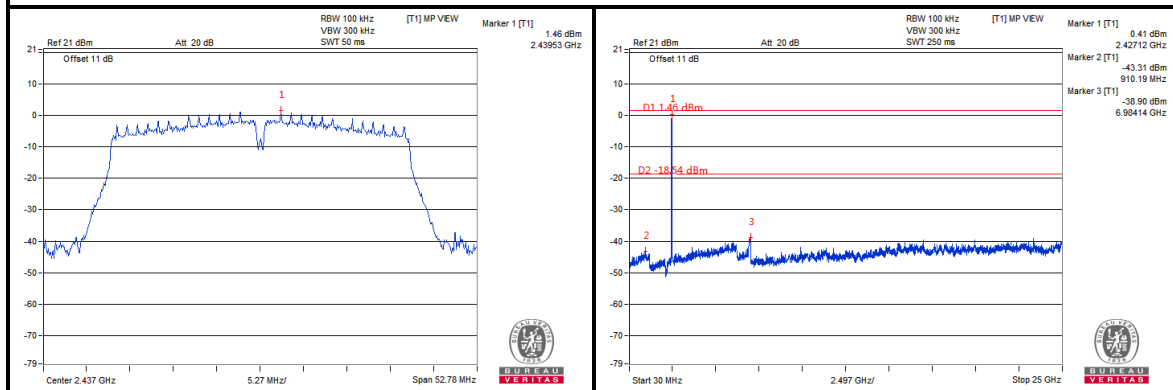


802.11n (HT40)
Chain 0

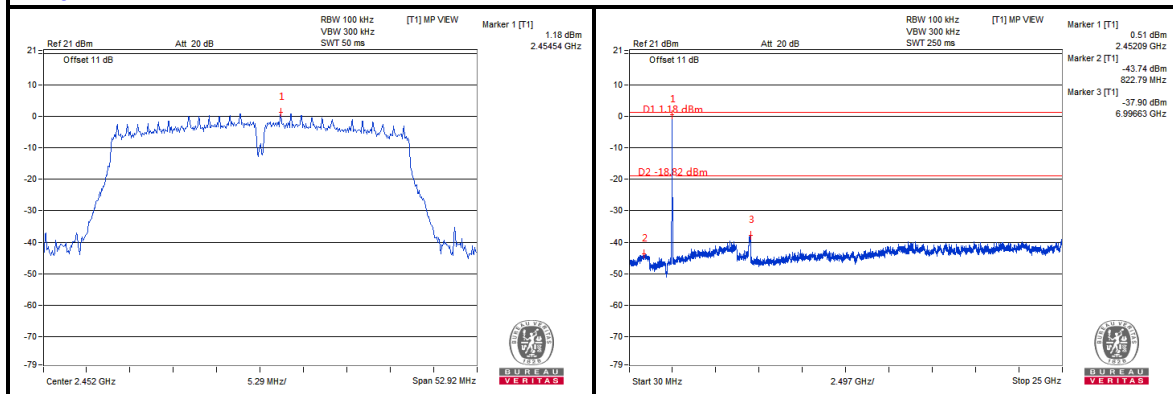
CH 3



CH 6



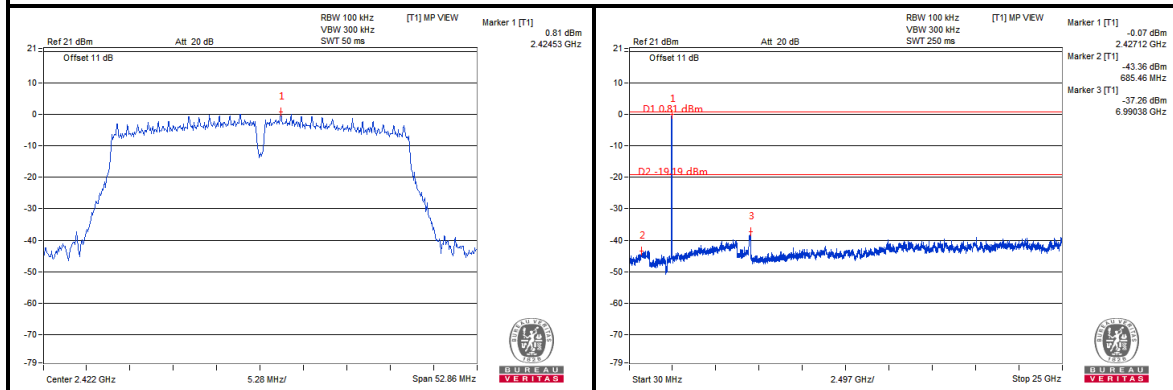
CH 9



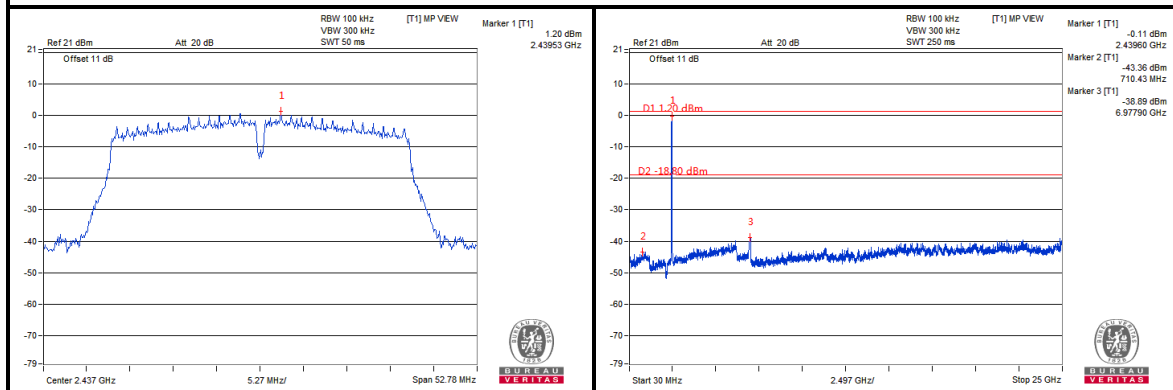
802.11n (HT40)

Chain 1

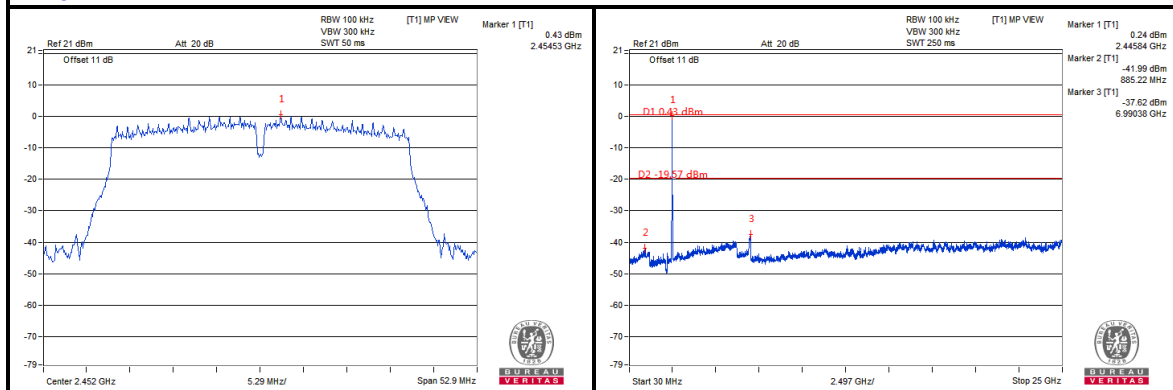
CH 3



CH 6

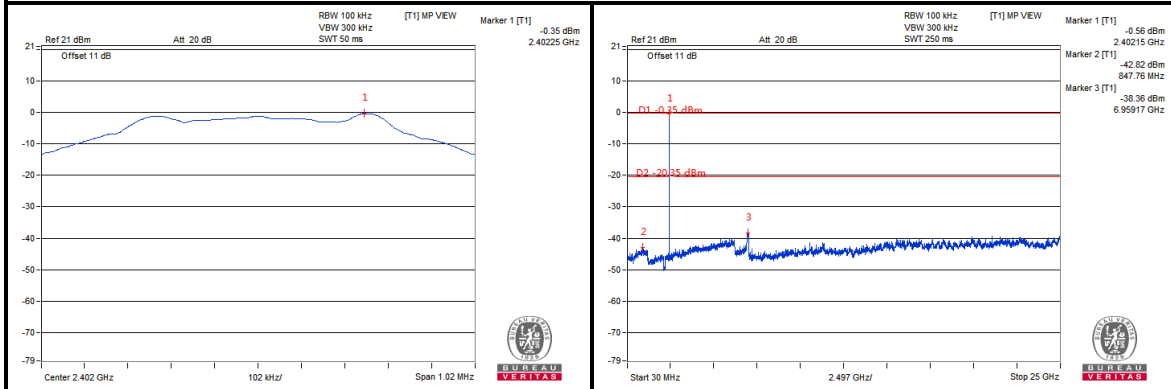


CH 9

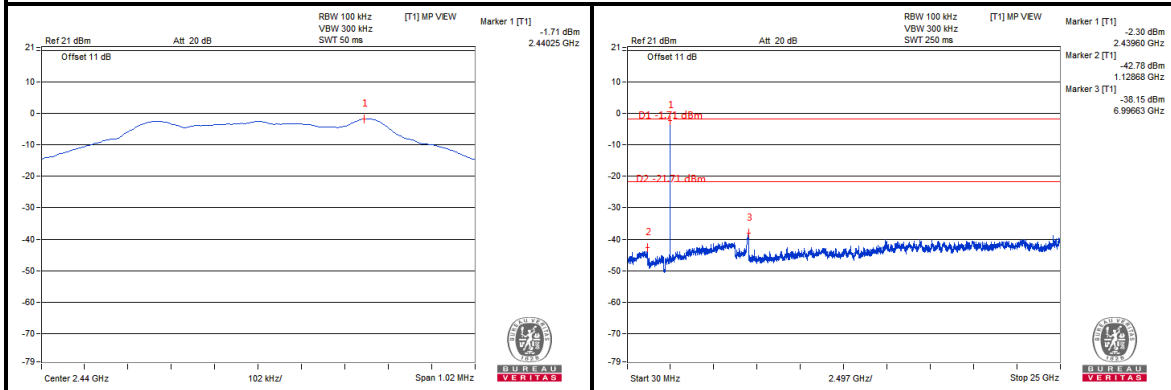


BT-LE (GFSK) 1M

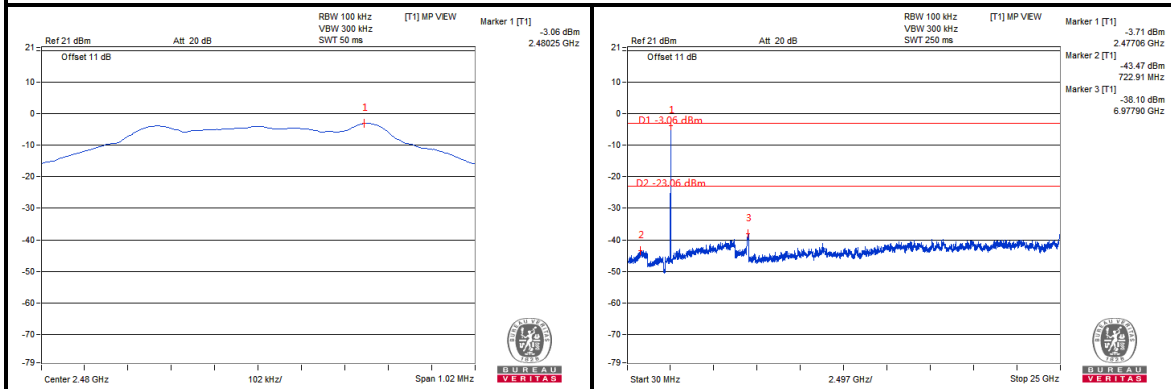
CH 0



CH 19

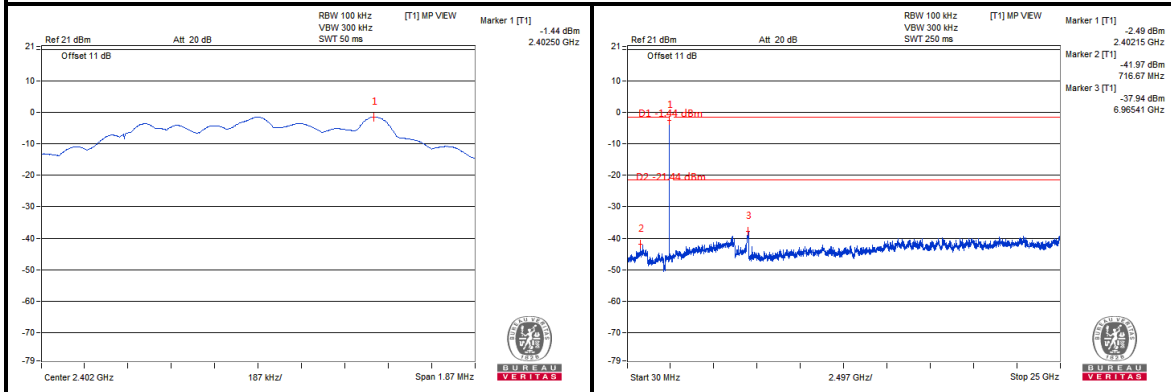


CH 39

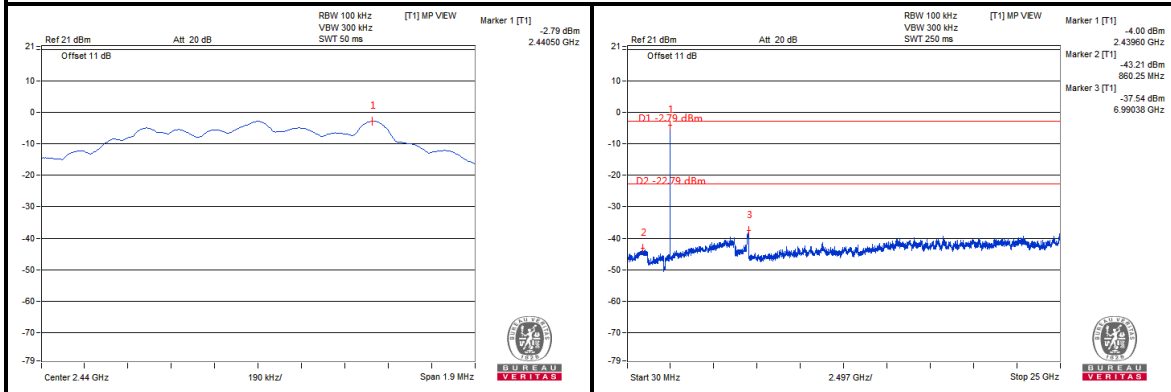


BT-LE (GFSK) 2M

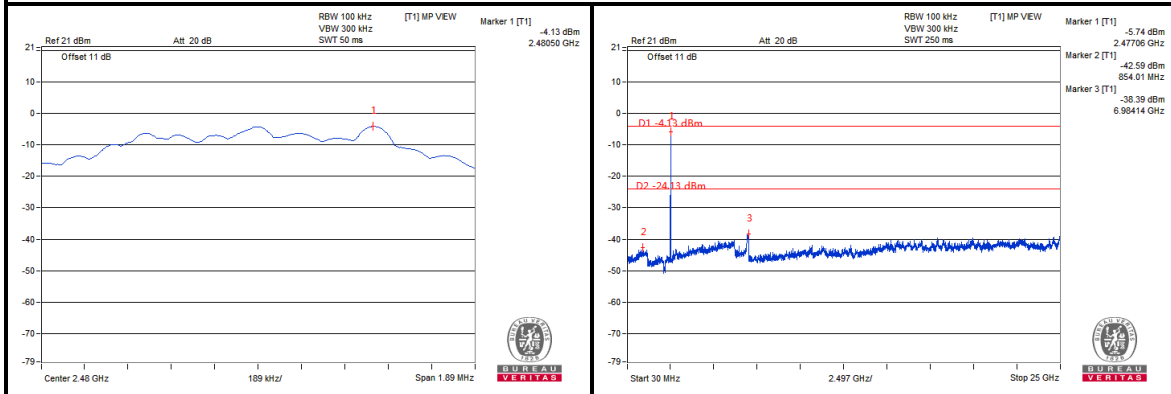
CH 0



CH 19

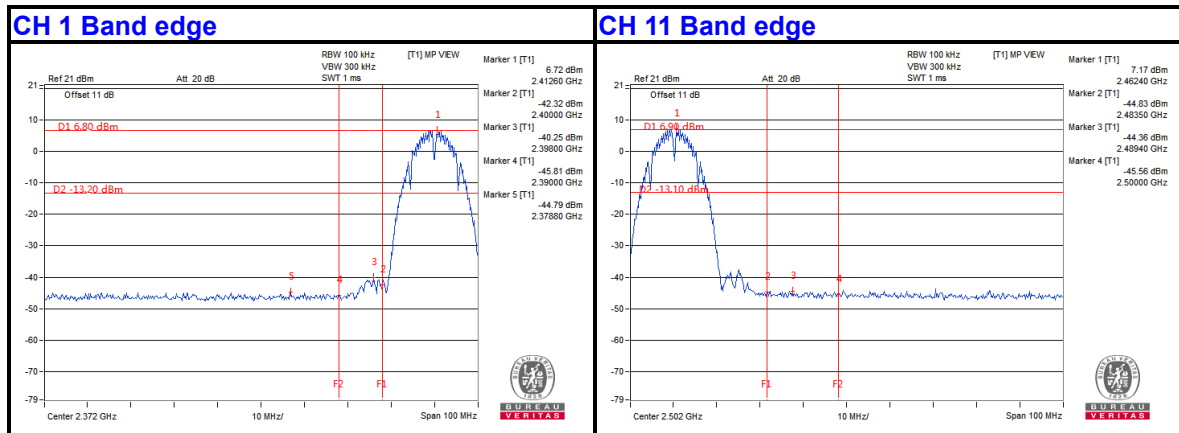


CH 39

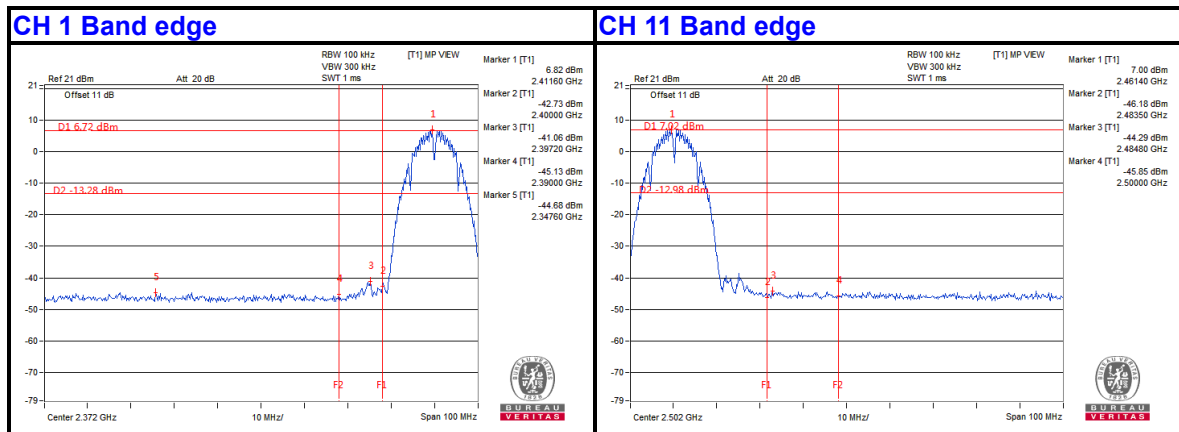


802.11b.

Chain 0

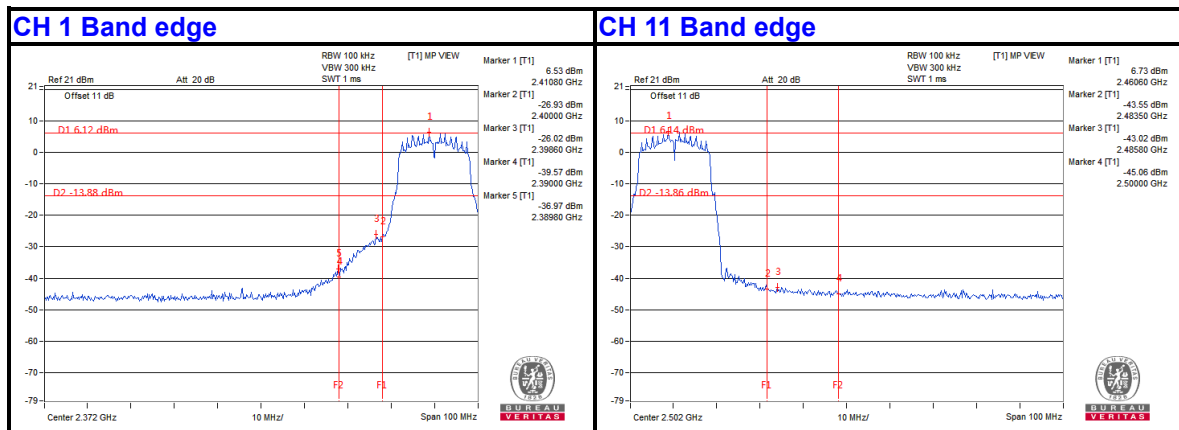


Chain 1

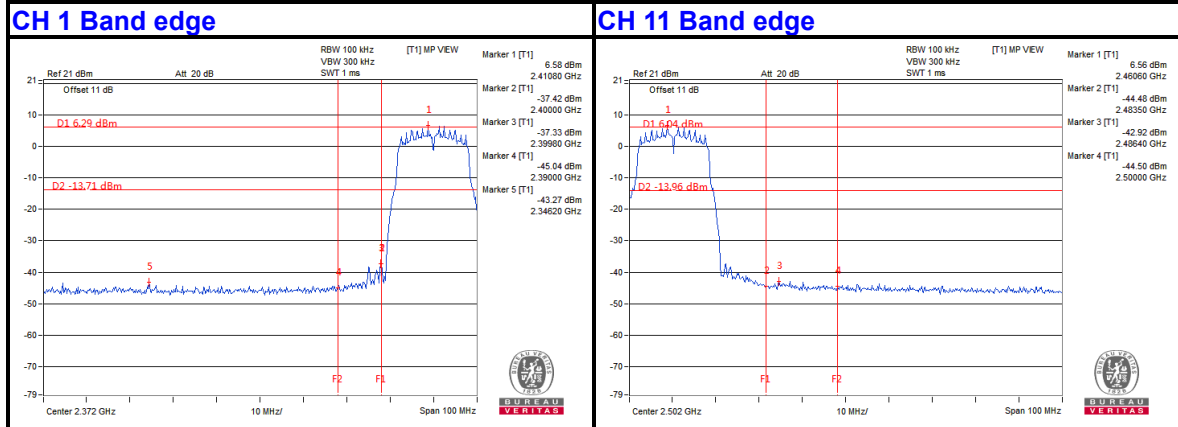


802.11g

Chain 0

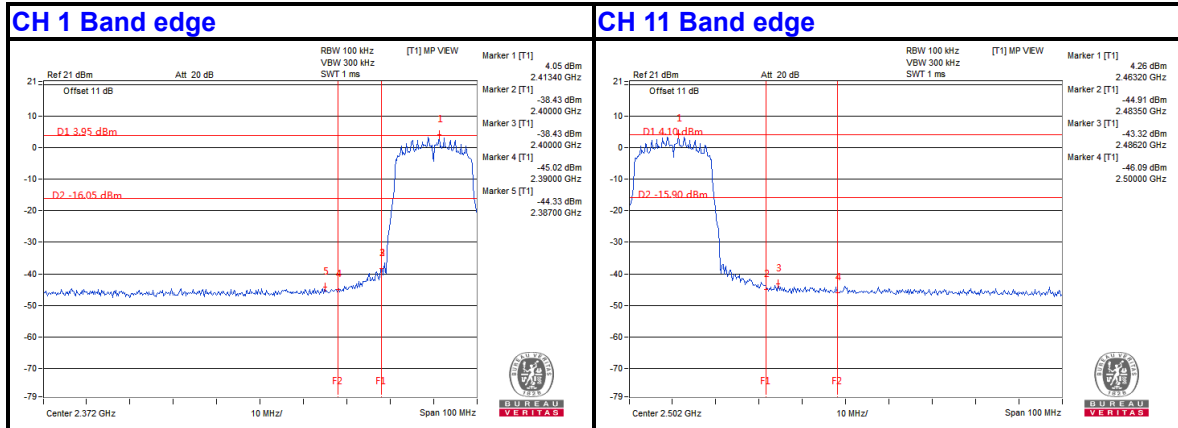


Chain 1

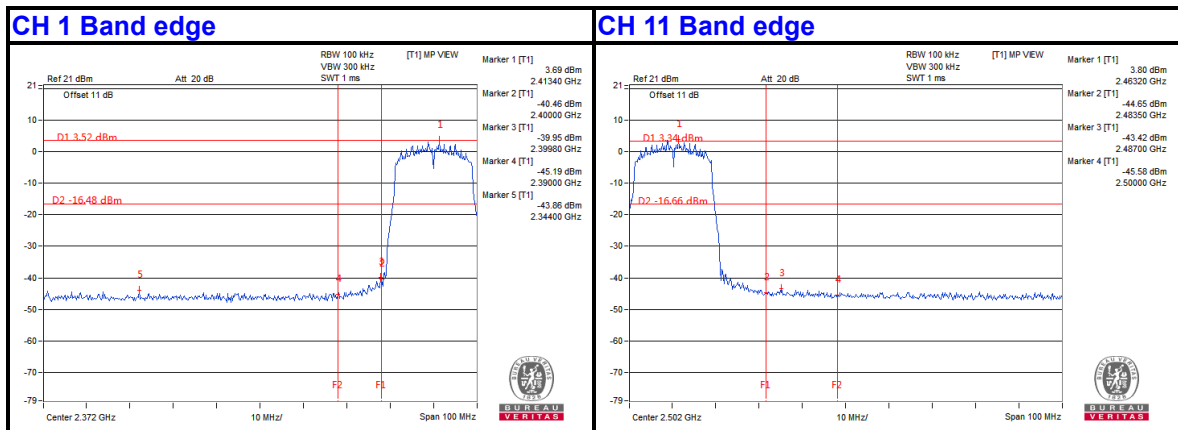


802.11n HT20

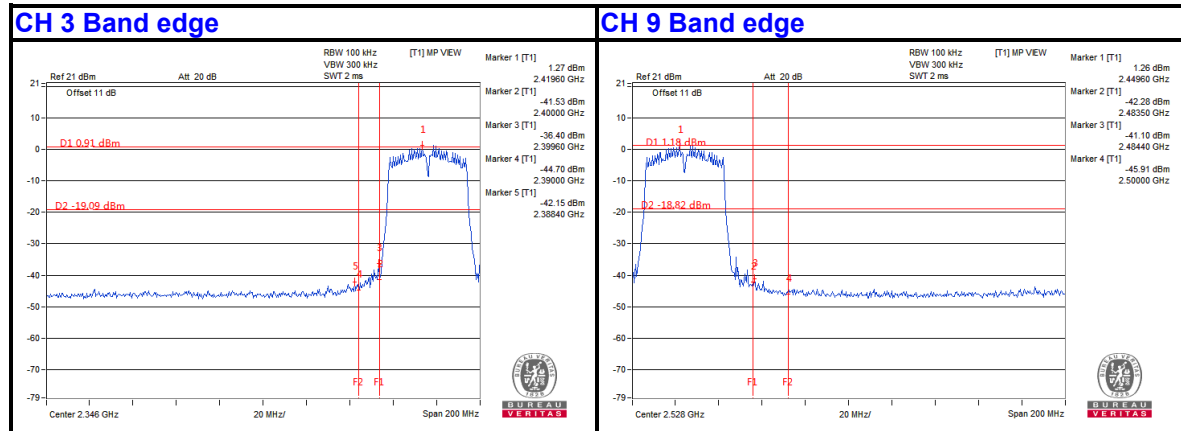
Chain 0



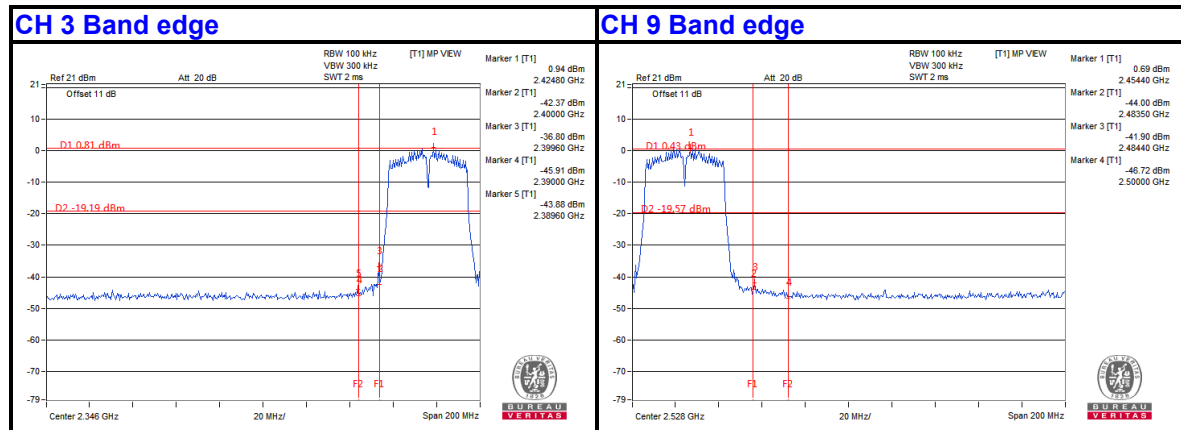
Chain 1



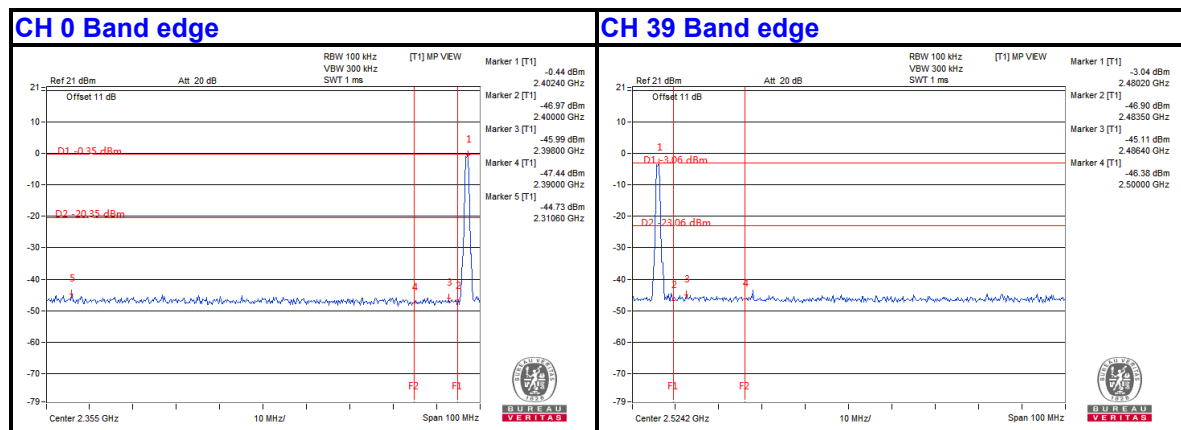
802.11n HT40
Chain 0



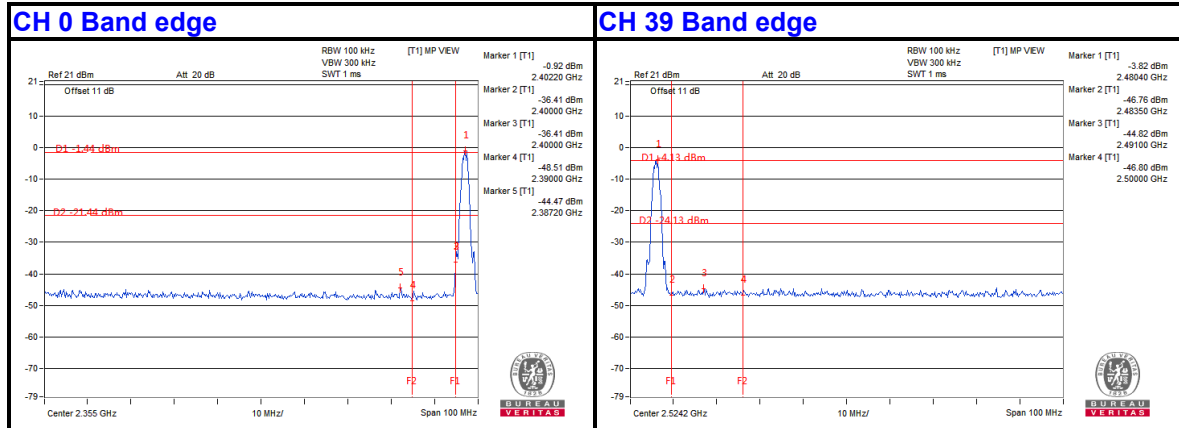
Chain 1



BT-LE (GFSK) 1M



BT-LF (GFSK) 2M



5 PHOTOGRAPHS OF THE TEST CONFIGURATION

Please refer to the attached file (Test Setup Photo).

6 APPENDIX A - MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No modifications are made to the EUT by the lab during the test.

---END---