

Fig.A.6.1.58 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 30 MHz- 1 GHz)

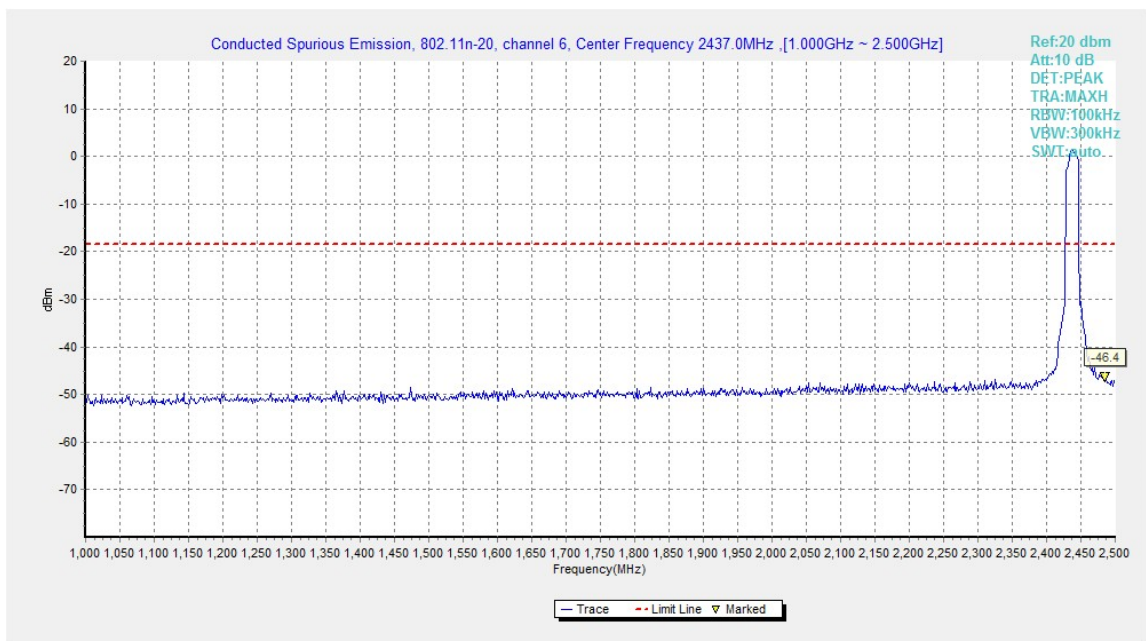


Fig.A.6.1.59 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 1 GHz- 2.5 GHz)

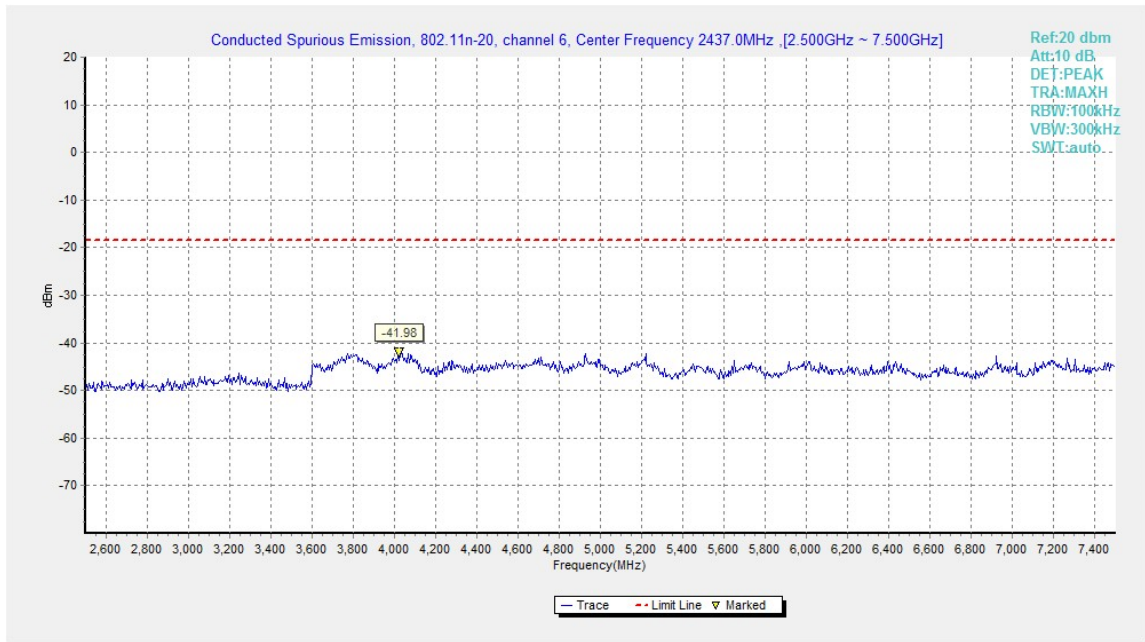


Fig.A.6.1.60 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 2.5 GHz-7.5 GHz)

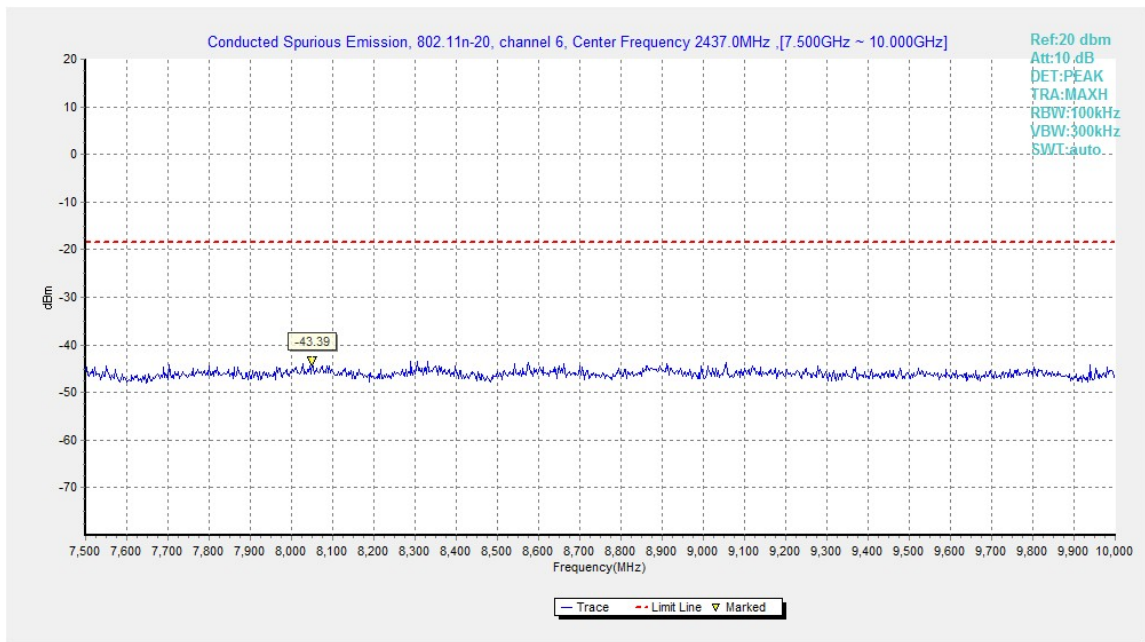


Fig.A.6.1.61 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 7.5 GHz-10 GHz)

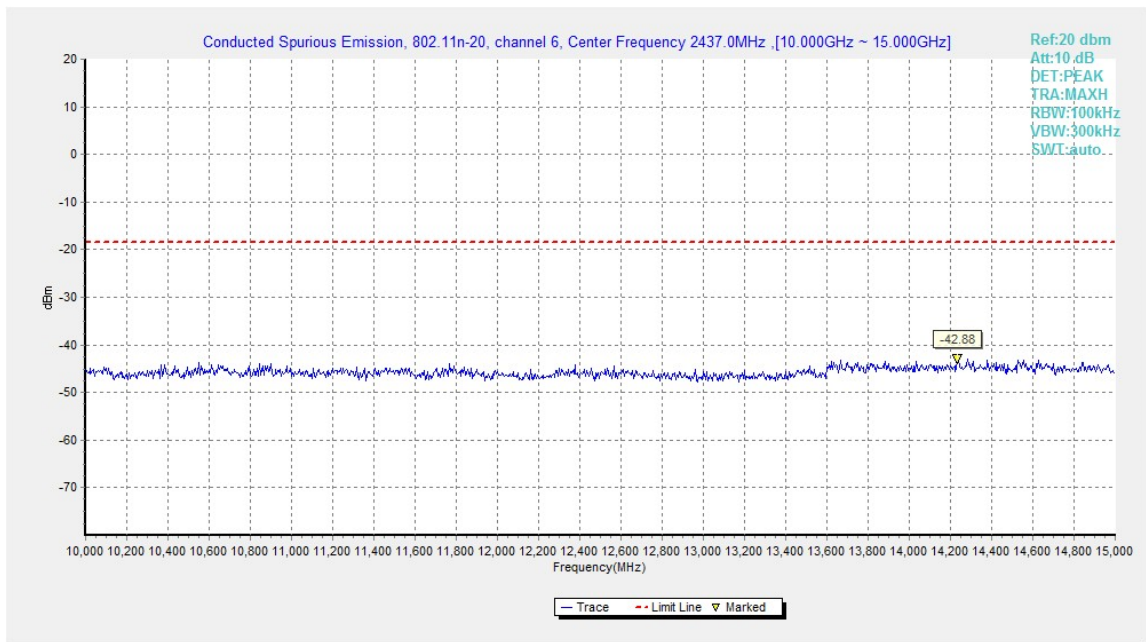


Fig.A.6.1.62 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 10 GHz-15 GHz)

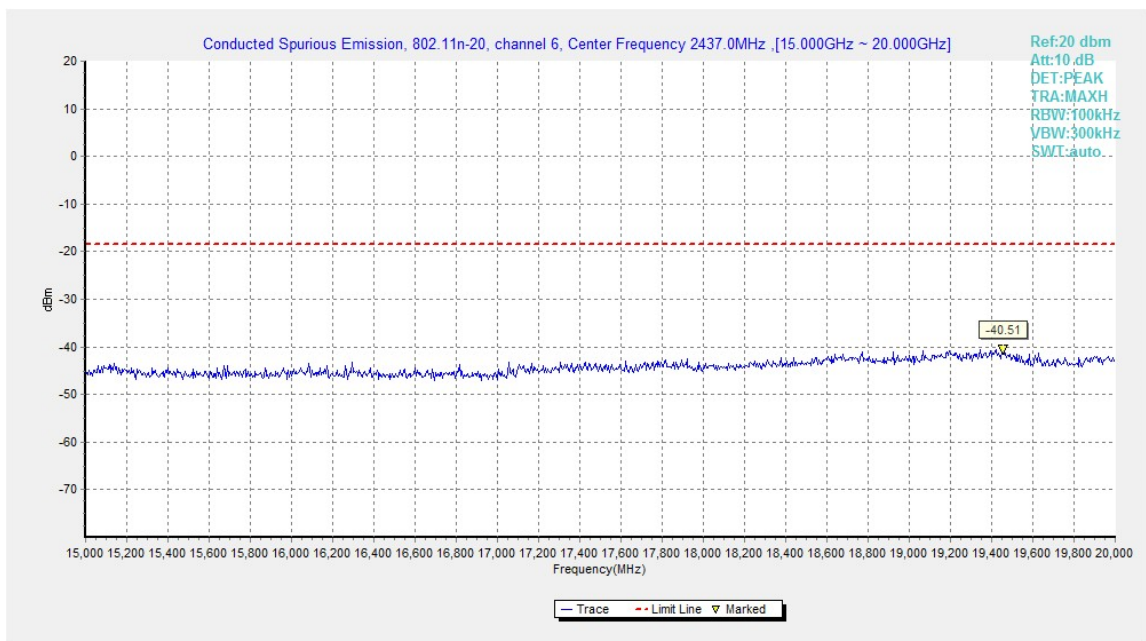


Fig.A.6.1.63 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 15 GHz-20 GHz)

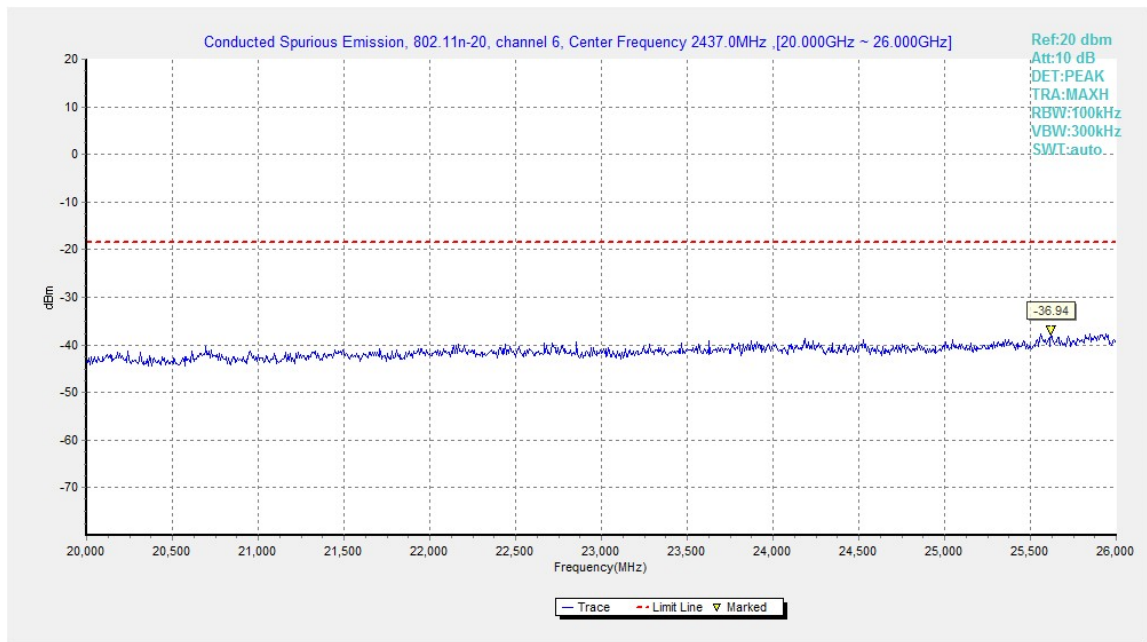


Fig.A.6.1.64 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch6, 20 GHz-26 GHz)

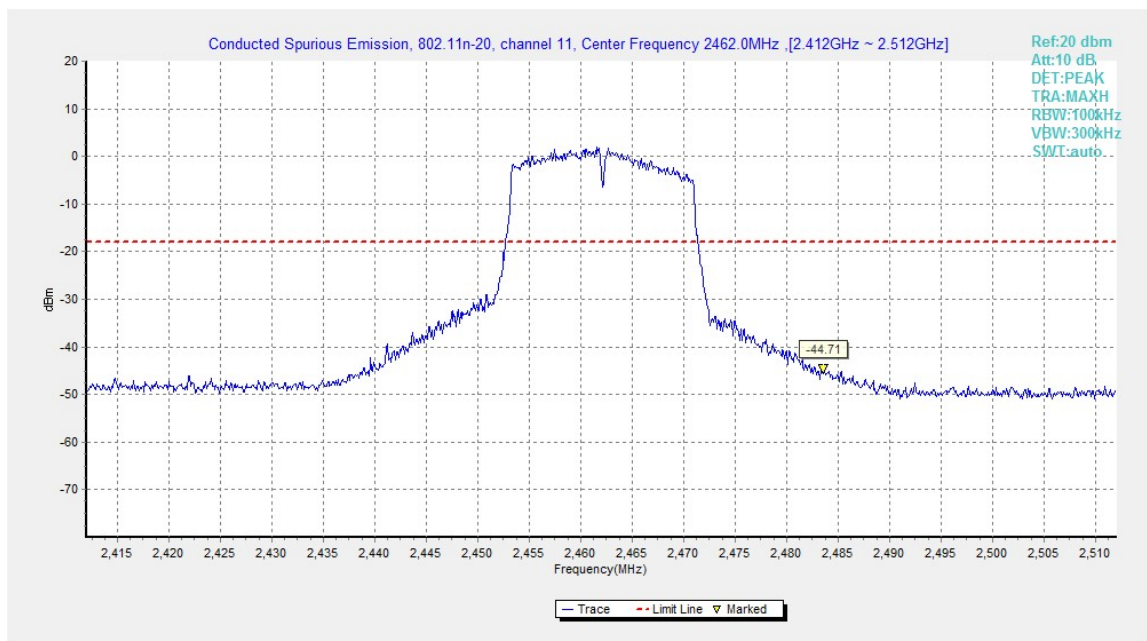


Fig.A.6.1.65 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, Center Frequency)

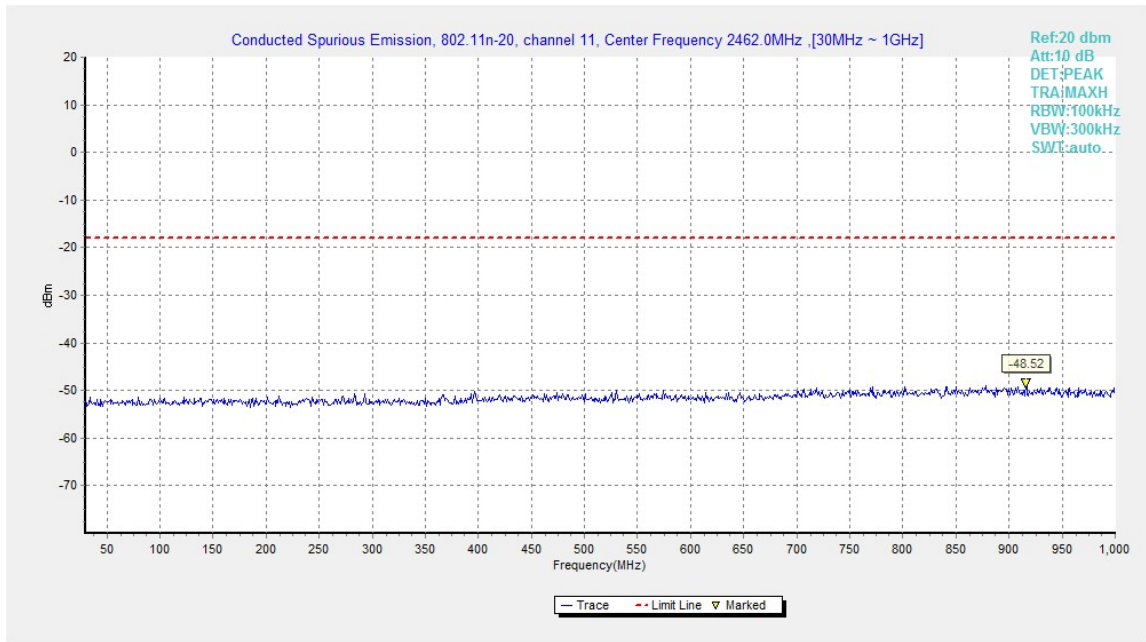


Fig.A.6.1.66 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 30 MHz- 1 GHz)

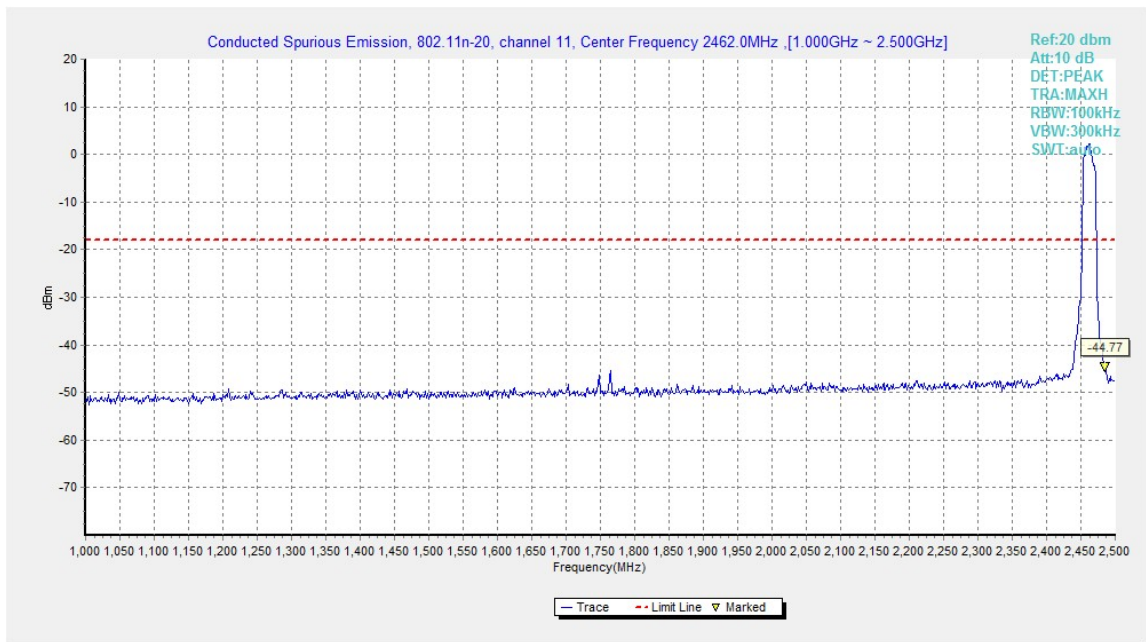


Fig.A.6.1.67 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 1 GHz- 2.5 GHz)

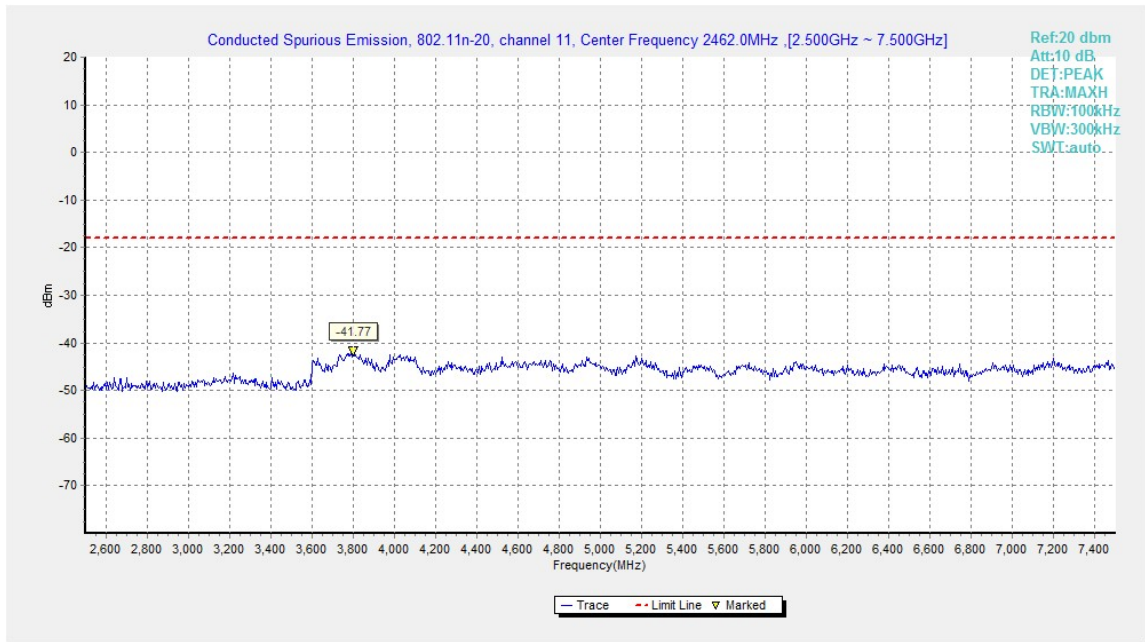


Fig.A.6.1.68 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 2.5 GHz-7.5 GHz)

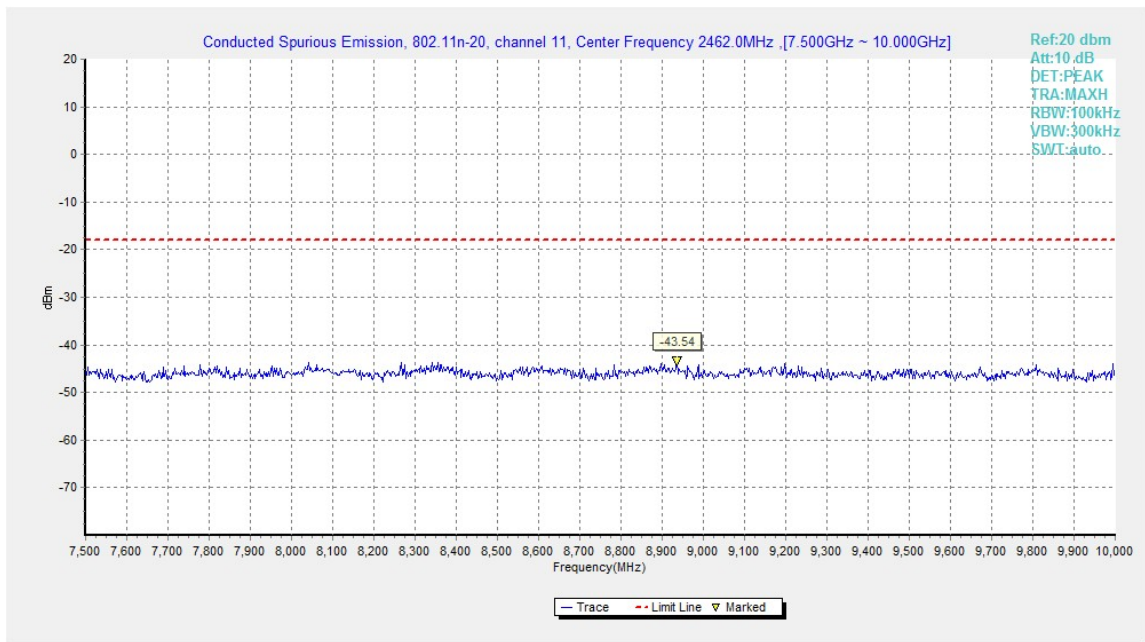


Fig.A.6.1.69 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 7.5 GHz-10 GHz)

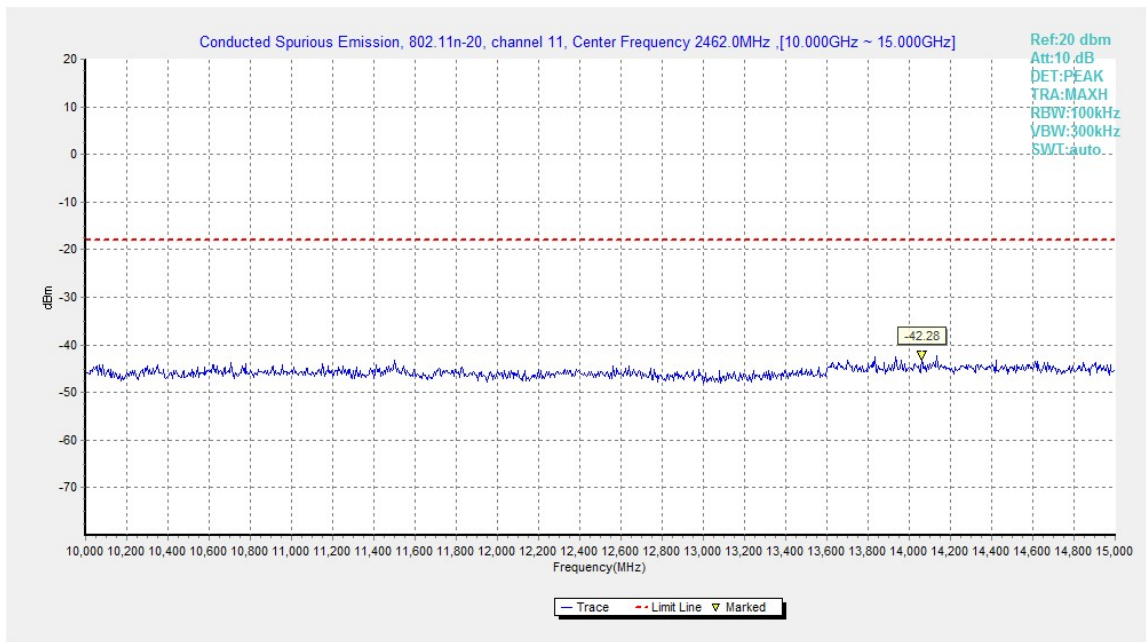


Fig.A.6.1.70 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 10 GHz-15 GHz)

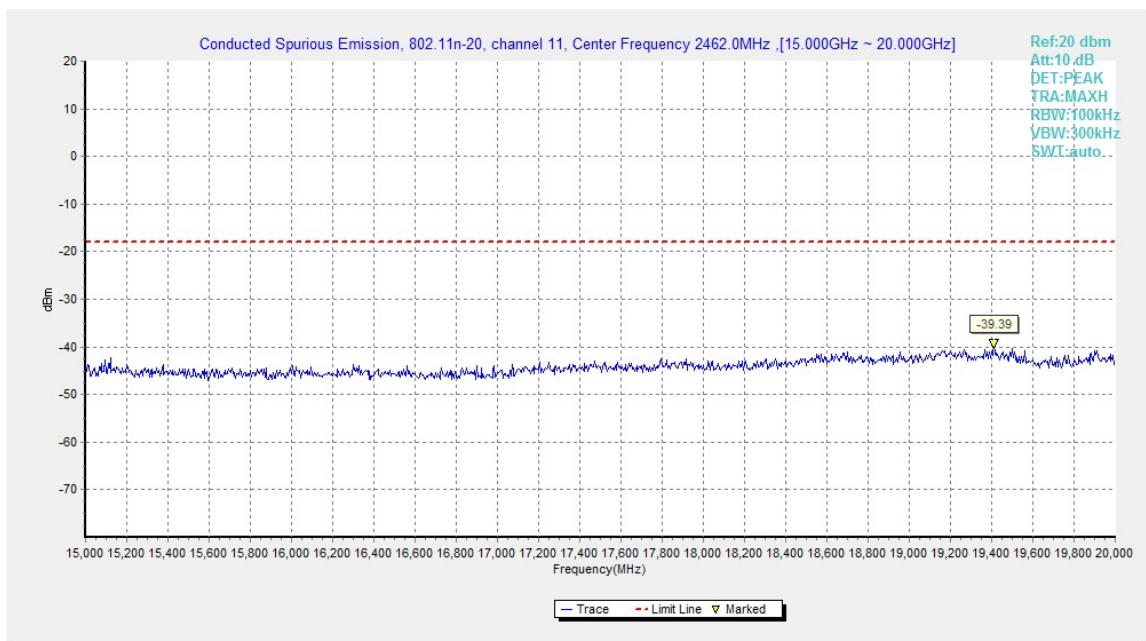


Fig.A.6.1.71 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 15 GHz-20 GHz)

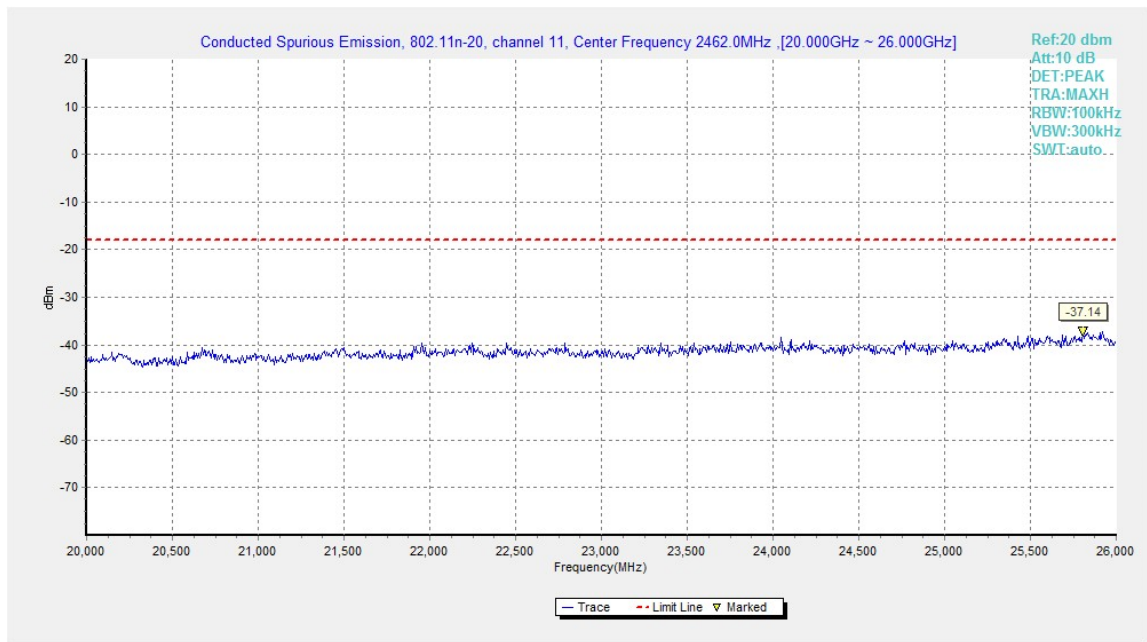


Fig.A.6.1.72 Transmitter Spurious Emission - Conducted (802.11n-HT20, Ch11, 20 GHz-26 GHz)



A.6.2 Transmitter Spurious Emission - Radiated

Method of Measurement: See ANSI C63.10-2013-clause 6.4 & 6.5 & 6.6

Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.247, 15.205, 15.209	20dB below peak output power

In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

Limit in restricted band:

Frequency of emission (MHz)	Field strength(uV/m)	Field strength(dBuV/m)
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

Frequency (MHz)	Field strength(µV/m)	Measurement distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30

Test Condition

The EUT was placed on a non-conductive table. The measurement antenna was placed at a distance of 3/10 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

Frequency of emission (MHz)	RBW/VBW	Sweep Time(s)
30-1000	100KHz/300KHz	5
1000-4000	1MHz/3MHz	15
4000-18000	1MHz/3MHz	40
18000-26500	1MHz/3MHz	20

EUT ID: EUT1



Measurement Results:

802.11b mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11b	Power(ch1)	2.38GHz ~2.43GHz	Fig.A.6.2.1	P
	Power(ch11)	2.45GHz ~2.5GHz	Fig.A.6.2.2	P

802.11g mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11g	Power(ch1)	2.38GHz ~2.43GHz	Fig.A.6.2.3	P
	Power(ch11)	2.45GHz ~2.5GHz	Fig.A.6.2.4	P

802.11n-HT20 mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11n (HT20)	Power(ch1)	2.38GHz ~2.43GHz	Fig.A.6.2.5	P
	Power(ch11)	2.45GHz ~2.5GHz	Fig.A.6.2.6	P

Conclusion: Pass

Note:

A "reference path loss" is established and the A_{Rpl} is the attenuation of "reference path loss", and including the gain of receive antenna, the gain of the preamplifier, the cable loss.

P_{Mea} is the field strength recorded from the instrument.

The measurement results are obtained as described below:

$$\text{Result} = P_{Mea} + A_{Rpl} = P_{Mea} + \text{Cable Loss} + \text{Antenna Factor}$$



802.11b-Average

Ch1

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2387.900	46.31	2.9	32.0	11.48	54.0	7.7	H	155	4
2389.100	46.33	2.9	32.0	11.50	54.0	7.7	H	155	26
4823.000	33.99	-35.2	34.1	35.13	54.0	20.0	H	155	356
7236.000	37.20	-32.4	35.8	33.84	54.0	16.8	H	155	348
9648.000	40.33	-30.1	36.8	33.69	54.0	13.7	H	155	174
12060.000	41.54	-31.0	38.9	33.65	54.0	12.5	H	155	112

Ch6

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2396.900	46.65	2.9	32.0	11.82	54.0	7.4	H	155	268
2429.500	46.71	2.9	32.0	11.84	54.0	7.3	H	155	138
4874.000	32.99	-35.5	34.1	34.40	54.0	21.0	H	155	104
7311.000	38.24	-31.6	35.8	34.03	54.0	15.8	H	155	40
9748.000	39.31	-31.3	36.9	33.69	54.0	14.7	H	155	28
12185.000	43.75	-29.1	39.0	33.90	54.0	10.2	H	155	8

Ch11

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2484.300	46.45	2.9	32.0	11.52	54.0	7.6	H	155	8
2487.100	46.38	2.9	32.0	11.45	54.0	7.6	H	155	52
4924.000	35.27	-35.2	34.1	36.35	54.0	18.7	H	155	18
7386.000	38.59	-31.2	35.8	34.02	54.0	15.4	H	155	6
9848.000	40.04	-30.5	37.0	33.57	54.0	14.0	H	155	48
12310.000	41.61	-31.6	39.0	34.18	54.0	12.4	H	155	128

**802.11b-Peak**

Ch1

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2385.768	60.37	2.9	32.0	25.55	74.0	13.6	H	155	0
2389.576	60.01	2.9	32.0	25.19	74.0	14.0	V	155	22
4824.000	41.96	-35.2	34.1	43.11	74.0	32.0	V	155	352
7236.000	43.40	-32.4	35.8	40.05	74.0	30.6	V	155	352
9648.000	44.58	-30.1	36.8	37.94	74.0	29.4	V	155	176
12060.000	45.51	-31.0	38.9	37.62	74.0	28.5	V	155	110

Ch6

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2366.000	48.09	-27.2	32.0	43.37	74.0	25.9	H	155	264
2508.600	47.93	-26.5	32.0	42.38	74.0	26.1	H	155	132
4874.000	38.83	-35.5	34.1	40.24	74.0	35.2	H	155	110
7311.000	43.90	-31.6	35.8	39.70	74.0	30.1	H	155	44
9748.000	42.97	-31.3	36.9	37.35	74.0	31.0	H	155	22
12185.000	47.33	-29.1	39.0	37.48	74.0	26.7	V	155	0

Ch11

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2488.240	60.50	2.9	32.0	25.57	74.0	13.5	V	155	0
2492.110	60.53	2.9	32.0	25.59	74.0	13.5	H	155	44
4924.000	42.51	-35.2	34.1	43.59	74.0	31.5	V	155	22
7386.000	44.27	-31.2	35.8	39.69	74.0	29.7	H	155	0
9848.000	44.78	-30.5	37.0	38.31	74.0	29.2	H	155	44
12310.000	45.45	-31.6	39.0	38.02	74.0	28.6	V	155	132

**802.11g - Average**

Ch1

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2389.000	46.48	2.9	32.0	11.65	54.0	7.5	H	155	92
2389.700	46.58	2.9	32.0	11.75	54.0	7.4	H	155	115
4824.000	33.09	-35.2	34.1	34.24	54.0	20.9	H	155	174
7236.000	37.31	-32.4	35.8	33.95	54.0	16.7	H	155	195
9648.000	40.38	-30.1	36.8	33.74	54.0	13.6	H	155	2
12060.000	41.64	-31.0	38.9	33.75	54.0	12.4	H	155	25

Ch6

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2411.100	47.26	2.9	32.0	12.41	54.0	6.7	H	155	28
2463.600	47.64	2.9	32.0	12.73	54.0	6.4	H	155	49
4874.000	32.96	-35.5	34.1	34.37	54.0	21.0	H	155	246
7311.000	38.20	-31.6	35.8	34.00	54.0	15.8	H	155	182
9748.000	39.28	-31.3	36.9	33.66	54.0	14.7	H	155	94
12185.000	43.78	-29.1	39.0	33.93	54.0	10.2	H	155	42

Ch11

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2483.700	47.08	2.9	32.0	12.16	54.0	6.9	H	155	28
2484.000	47.04	2.9	32.0	12.12	54.0	7.0	H	155	248
4924.000	33.41	-35.2	34.1	34.49	54.0	20.6	H	155	38
7386.000	38.60	-31.2	35.8	34.03	54.0	15.4	H	155	98
9848.000	40.16	-30.5	37.0	33.69	54.0	13.8	H	155	183
12310.000	41.55	-31.6	39.0	34.13	54.0	12.4	H	155	356

**802.11g - Peak**

Ch1

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2389.702	61.06	2.9	32.0	26.23	74.0	12.9	V	155	88
2389.968	60.86	2.9	32.0	26.03	74.0	13.1	H	155	110
4824.000	38.53	-35.2	34.1	39.68	74.0	35.5	V	155	176
7236.000	43.91	-32.4	35.8	40.56	74.0	30.1	V	155	198
9648.000	45.51	-30.1	36.8	38.87	74.0	28.5	H	155	0
12060.000	45.36	-31.0	38.9	37.47	74.0	28.6	V	155	22

Ch6

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2376.000	48.15	-26.6	32.0	42.78	74.0	25.8	H	155	22
2549.400	48.98	-26.8	32.1	43.71	74.0	25.0	H	155	44
4874.000	38.97	-35.5	34.1	40.39	74.0	35.0	H	155	132
7311.000	43.24	-31.6	35.8	39.04	74.0	30.8	V	155	110
9748.000	44.13	-31.3	36.9	38.51	74.0	29.9	H	155	88
12185.000	46.30	-29.1	39.0	36.44	74.0	27.7	H	155	44

Ch11

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2483.780	63.40	2.9	32.0	28.48	74.0	10.6	H	155	22
2484.150	63.20	2.9	32.0	28.28	74.0	10.8	H	155	242
4924.000	40.92	-35.2	34.1	42.00	74.0	33.1	V	155	44
7386.000	43.85	-31.2	35.8	39.28	74.0	30.1	H	155	88
9848.000	44.12	-30.5	37.0	37.64	74.0	29.9	V	155	176
12310.000	44.22	-31.6	39.0	36.79	74.0	29.8	H	155	0

**802.11n-HT20-Average**

Ch1

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2388.800	46.35	2.9	32.0	11.53	54.0	7.6	H	155	92
2389.800	46.42	2.9	32.0	11.59	54.0	7.6	H	155	26
4824.000	33.05	-35.2	34.1	34.20	54.0	20.9	H	155	222
7236.000	37.28	-32.4	35.8	33.93	54.0	16.7	H	155	248
9648.000	40.38	-30.1	36.8	33.74	54.0	13.6	H	155	46
12060.000	41.54	-31.0	38.9	33.65	54.0	12.5	H	155	68

Ch6

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2408.300	46.94	2.9	32.0	12.09	54.0	7.1	H	155	16
2464.000	47.15	2.9	32.0	12.25	54.0	6.8	H	155	48
4874.000	32.81	-35.5	34.1	34.22	54.0	21.2	H	155	80
7311.000	38.06	-31.6	35.8	33.86	54.0	15.9	H	155	8
9748.000	39.22	-31.3	36.9	33.60	54.0	14.8	H	155	102
12185.000	43.60	-29.1	39.0	33.75	54.0	10.4	H	155	118

Ch11

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2484.300	47.05	2.9	32.0	12.12	54.0	7.0	H	155	48
2486.900	46.74	2.9	32.0	11.81	54.0	7.3	H	155	6
4924.000	33.39	-35.2	34.1	34.47	54.0	20.6	H	155	312
7386.000	38.60	-31.2	35.8	34.03	54.0	15.4	H	155	48
9848.000	40.15	-30.5	37.0	33.67	54.0	13.9	H	155	68
12310.000	41.52	-31.6	39.0	34.09	54.0	12.5	H	155	80

**802.11n-HT20-Peak**

Ch1

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2388.722	66.29	2.9	32.0	31.47	74.0	7.7	H	155	88
2389.758	66.07	2.9	32.0	31.25	74.0	7.9	H	155	22
4824.000	39.90	-35.2	34.1	41.05	74.0	34.1	V	155	220
7236.000	42.32	-32.4	35.8	38.97	74.0	31.7	V	155	242
9648.000	44.42	-30.1	36.8	37.78	74.0	29.6	V	155	44
12060.000	46.14	-31.0	38.9	38.26	74.0	27.9	V	155	66

Ch6

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2368.600	47.83	-27.1	32.0	42.96	74.0	26.2	H	155	22
2510.800	49.03	-26.5	32.0	43.53	74.0	25.0	H	155	44
4874.000	39.98	-35.5	34.1	41.39	74.0	34.0	V	155	88
7311.000	44.01	-31.6	35.8	39.81	74.0	30.0	V	155	0
9748.000	44.74	-31.3	36.9	39.12	74.0	29.3	H	155	110
12185.000	46.34	-29.1	39.0	36.5	74.0	27.7	H	155	132

Ch11

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
2483.780	63.40	2.9	32.0	28.48	74.0	10.6	H	155	44
2484.150	63.20	2.9	32.0	28.28	74.0	10.8	H	155	0
4924.000	39.32	-35.2	34.1	40.40	74.0	34.7	V	155	308
7386.000	43.80	-31.2	35.8	39.23	74.0	30.2	H	155	44
9848.000	44.18	-30.5	37.0	37.70	74.0	29.8	V	155	66
12310.000	45.41	-31.6	39.0	37.99	74.0	28.6	H	155	88

Test graphs as below:

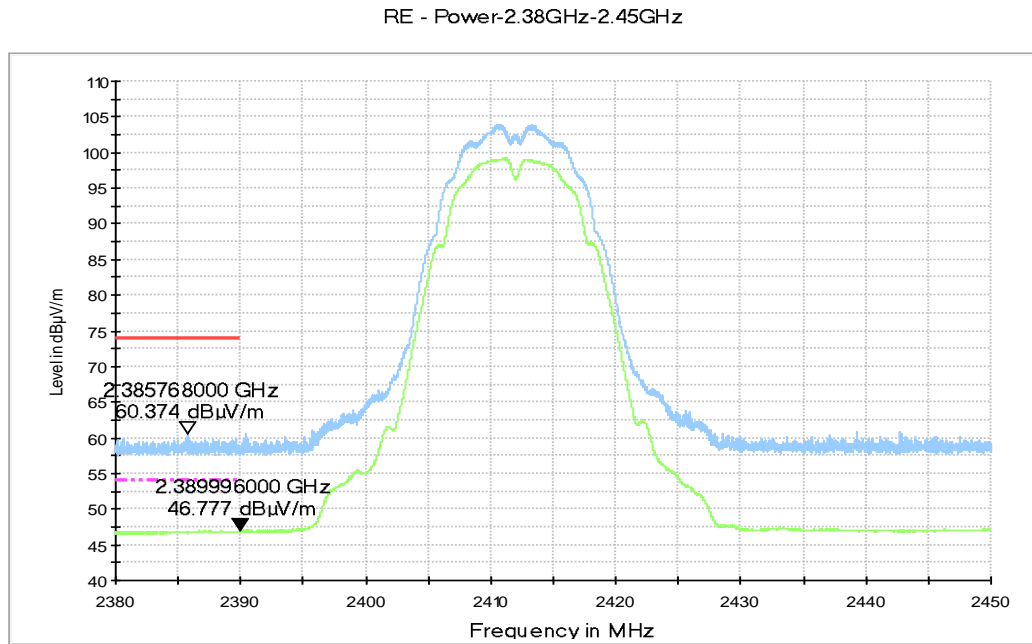


Fig.A.6.2.1 Transmitter Spurious Emission - Radiated (Power): 802.11b, ch1, 2.38 GHz – 2.43GHz

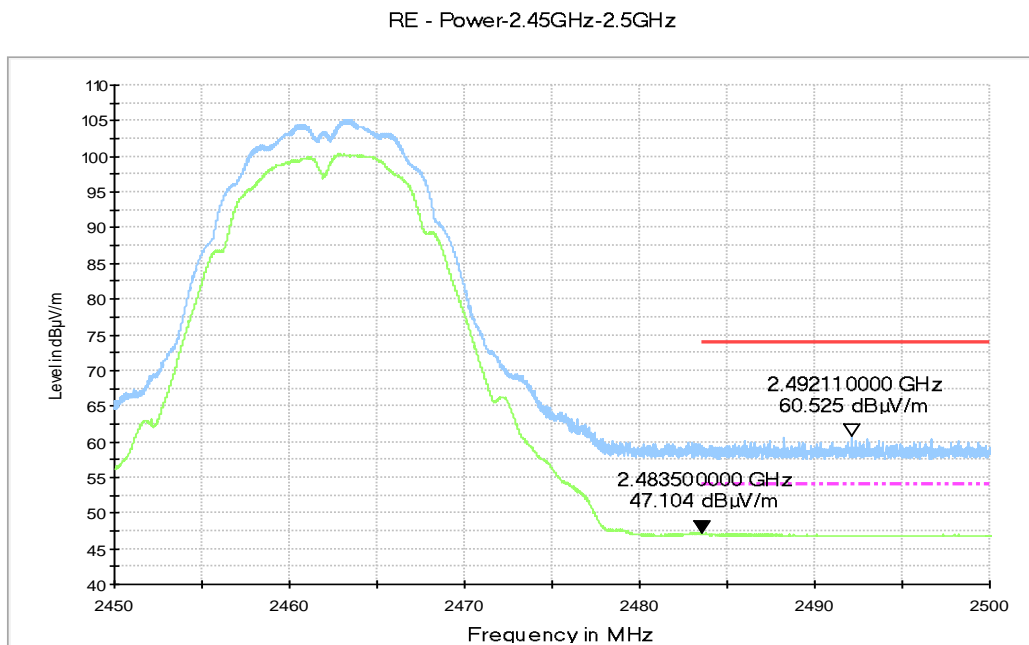


Fig.A.6.2.2 Transmitter Spurious Emission - Radiated (Power): 802.11b, ch11, 2.45 GHz - 2.50GHz

RE - Power-2.38GHz-2.45GHz

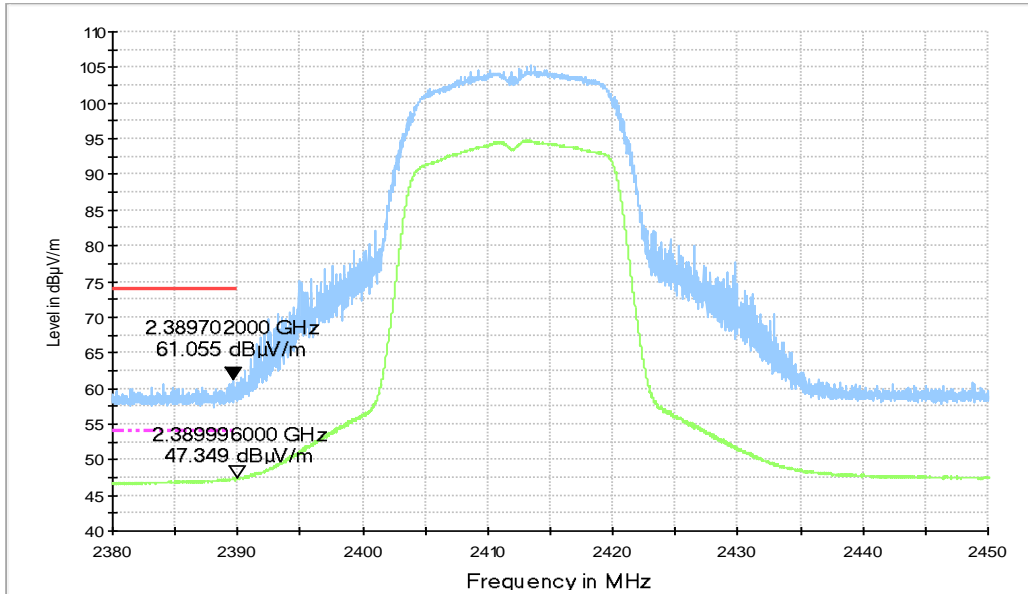


Fig.A.6.2.3 Transmitter Spurious Emission - Radiated (Power): 802.11g, ch1, 2.38 GHz - 2.43GHz

RE - Power-2.45GHz-2.5GHz

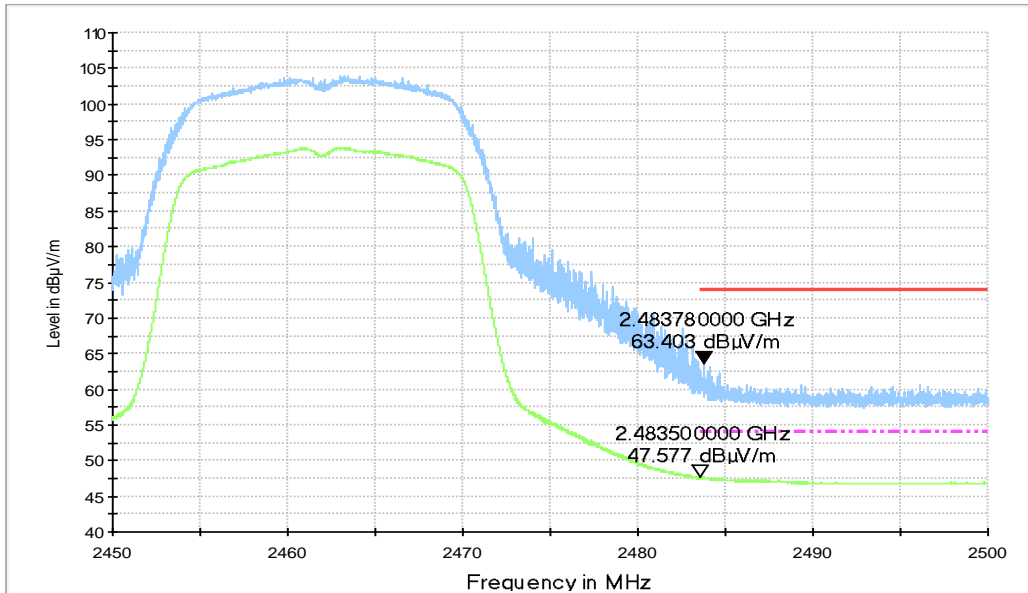


Fig.A.6.2.4 Transmitter Spurious Emission - Radiated (Power): 802.11g, ch11, 2.45 GHz - 2.50GHz

RE - Power-2.38GHz-2.45GHz

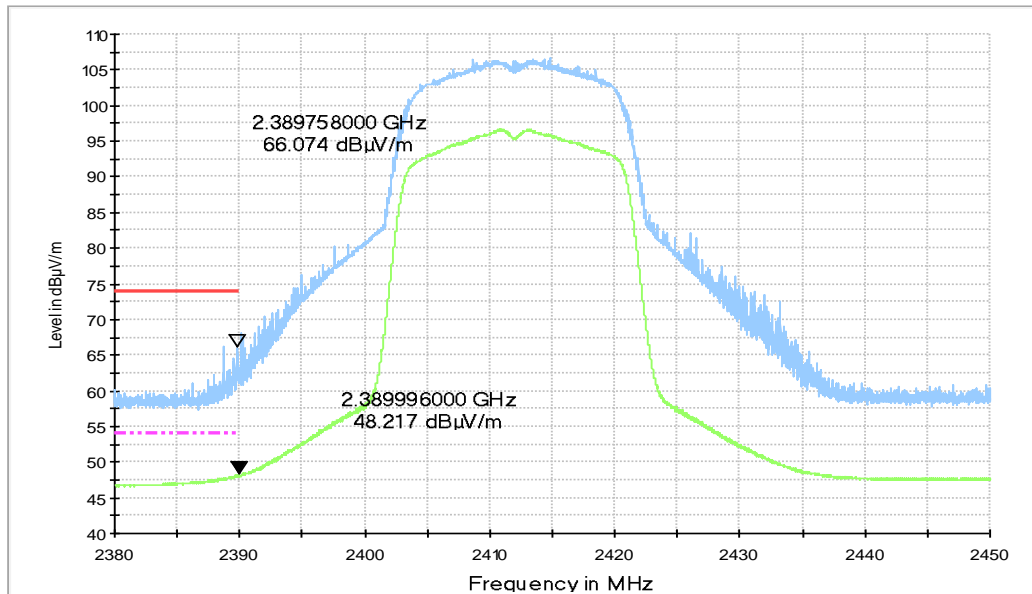


Fig.A.6.2.5 Transmitter Spurious Emission - Radiated (Power): 802.11n-HT20, ch1, 2.38 GHz - 2.45GHz

RE - Power-2.45GHz-2.5GHz

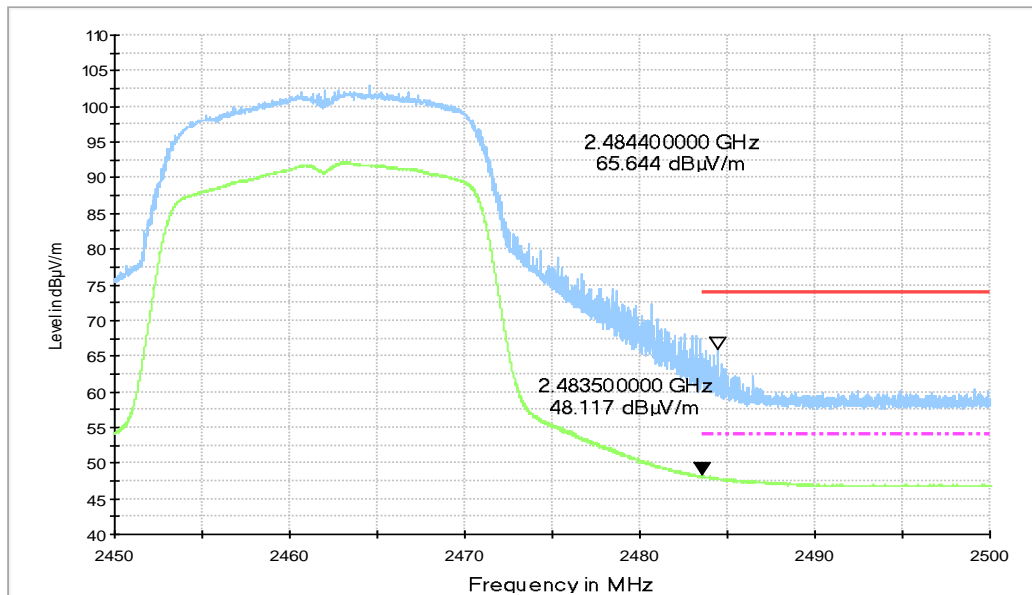


Fig.A.6.2.6 Transmitter Spurious Emission - Radiated (Power): 802.11n-HT20, ch11, 2.45 GHz - 2.50GHz



A.7. AC Power-line Conducted Emission

Method of Measurement: See ANSI C63.10-2013-clause 6.2

- 1 The one EUT cable configuration and arrangement and mode of operation that produced the emission with the highest amplitude relative to the limit is selected for the final measurement, while applying the appropriate modulating signal to the EUT.
- 2 If the EUT is relocated from an exploratory test site to a final test site, the highest emissions shall be remaximized at the final test location before final ac power-line conducted emission measurements are performed.
- 3 The final test on all current-carrying conductors of all of the power cords to the equipment that comprises the EUT (but not the cords associated with other non-EUT equipment in the system) is then performed for the full frequency range for which the EUT is being tested for compliance without further variation of the EUT arrangement, cable positions, or EUT mode of operation.
- 4 If the EUT is comprised of equipment units that have their own separate ac power connections, e.g., floor-standing equipment with independent power cords for each shelf that are able to connect directly to the ac power network, each current-carrying conductor of one unit is measured while the other units are connected to a second (or more) LISN(s). All units shall be separately measured. If a power strip is provided by the manufacturer, to supply all of the units making up the EUT, only the conductors in the power cord of the power strip shall be measured.
- 5 If the EUT uses a detachable antenna, these measurements shall be made with a suitable dummy load connected to the antenna output terminals; otherwise, the tests shall be made with the antenna connected and, if adjustable, fully extended. When measuring the ac conducted emissions from a device that operates between 150 kHz and 30 MHz a non-detachable antenna may be replaced with a dummy load for the measurements within the fundamental emission band of the transmitter, but only for those measurements.³⁶ Record the six highest EUT emissions relative to the limit of each of the current-carrying conductors of the power cords of the equipment that comprises the EUT over the frequency range specified by the procuring or regulatory agency. Diagram or photograph the test setup that was used. See Clause 8 for full reporting requirements.

Test Condition:

Voltage (V)	Frequency (Hz)
120	60



Measurement Result and limit:

WLAN (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Result (dB μ V)		Conclusion
		With charger		
		802.11b	Idle	
0.15 to 0.5	66 to 56	Fig.A.7.1	Fig.A.7.2	P
0.5 to 5	56			
5 to 30	60			

NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

WLAN (Average Limit)

Frequency range (MHz)	Average Limit (dB μ V)	Result (dB μ V)		Conclusion
		With charger		
		802.11b	Idle	
0.15 to 0.5	56 to 46	Fig.A.7.1	Fig.A.7.2	P
0.5 to 5	46			
5 to 30	50			

NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

Conclusion: Pass

Test graphs as below:

Traffic (with AE2):

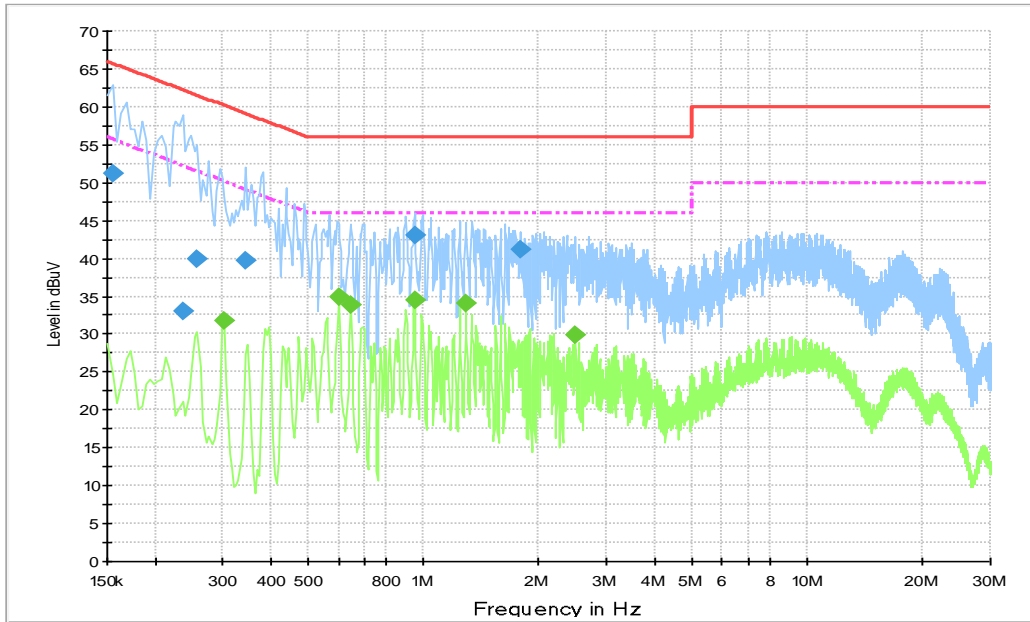


Fig.A.7.1 AC Powerline Conducted Emission-802.11b

Note: The graphic result above is the maximum of the measurements for both phase line and neutral line.

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.154500	51.2	10000	9.000	GND	L1	10.2	14.6	65.8
0.235500	33.1	10000	9.000	GND	L1	10.3	29.2	62.3
0.258000	39.9	10000	9.000	GND	L1	10.3	21.6	61.5
0.343500	39.6	10000	9.000	GND	N	10.3	19.5	59.1
0.946500	43.0	10000	9.000	GND	L1	10.4	13.0	56.0
1.792500	41.1	10000	9.000	GND	L1	10.4	14.9	56.0

Final Result 2

Frequency (MHz)	Average (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.303000	31.9	10000.	9.000	GND	L1	10.3	18.3	50.2
0.600000	34.8	10000.	9.000	GND	L1	10.4	11.2	46.0
0.645000	33.9	10000.	9.000	GND	L1	10.3	12.1	46.0
0.946500	34.6	10000.	9.000	GND	L1	10.4	11.4	46.0
1.288500	34.1	10000.	9.000	GND	L1	10.4	11.9	46.0
2.490000	30.0	10000.	9.000	GND	L1	10.4	16.0	46.0

Idle (with AE2):

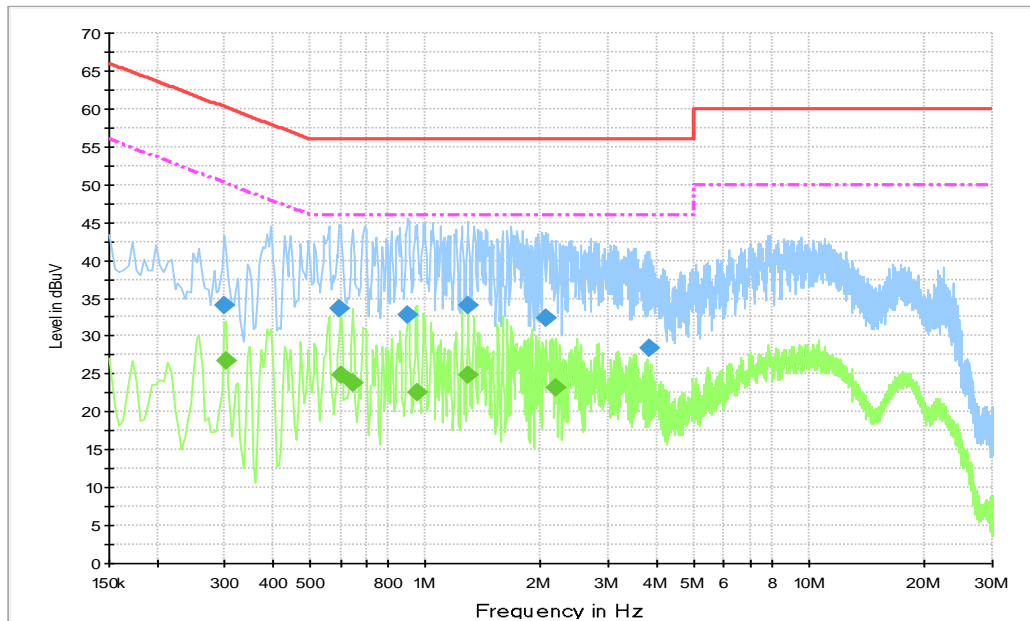


Fig.A.7.2 AC Powerline Conducted Emission-Idle

Note: The graphic result above is the maximum of the measurements for both phase line and neutral line.

Final Result 1

Frequency (MHz)	QuasiPeak (dB μ V)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)
0.298500	34.0	10000	9.000	GND	N	10.3	26.3	60.3
0.595500	33.7	10000	9.000	GND	L1	10.4	22.3	56.0
0.901500	32.8	10000	9.000	GND	L1	10.4	23.2	56.0
1.288500	34.0	10000	9.000	GND	L1	10.4	22.0	56.0
2.062500	32.3	10000	9.000	GND	L1	10.4	23.7	56.0
3.817500	28.4	10000	9.000	GND	L1	10.5	27.6	56.0

Final Result 2

Frequency (MHz)	Average (dB μ V)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)
0.303000	26.7	10000.	9.000	GND	L1	10.3	23.4	50.2
0.600000	24.8	10000.	9.000	GND	L1	10.4	21.2	46.0
0.645000	23.8	10000.	9.000	GND	L1	10.3	22.2	46.0
0.946500	22.5	10000.	9.000	GND	L1	10.4	23.5	46.0
1.288500	24.9	10000.	9.000	GND	L1	10.4	21.1	46.0
2.188500	23.3	10000.	9.000	GND	L1	10.4	22.7	46.0

ANNEX B: Accreditation Certificate

<p>United States Department of Commerce National Institute of Standards and Technology</p> 		
<hr/> <p>Certificate of Accreditation to ISO/IEC 17025:2005</p> <hr/>		
<p>NVLAP LAB CODE: 600118-0</p>		
<p>Telecommunication Technology Labs, CAICT Beijing China</p>		
<p><i>is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:</i></p>		
<p>Electromagnetic Compatibility & Telecommunications</p>		
<p><i>This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).</i></p>		
<hr/> <p>2018-09-28 through 2019-09-30 <i>Effective Dates</i></p>		 <hr/> <p><i>For the National Voluntary Laboratory Accreditation Program</i></p>

END OF REPORT