

Test Mode	Test Channel	Verdict	
11G	НСН	PASS	
RL     →     Coupling DC Align: Auto     Corrections: Off Freq Ref. Int (S)       1     Spectrum      Re       2     Scale/Div 10 dB     Re       0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0	#Atten: 30 dB       PNO: Fast Gate: Off JF Gain: Low Sg Track: Off       #Avg Type: Power (RMS AvgHod 200200 Trig: Free Run       1 2 3 4 5 6 M + + + + + + + + + P P P P P         fLvi Offset 8.60 dB       Mkr4 2.484 33 GHz 47.80 dBm	2 445000000 GHz 2 A9500000 MHz 110.000000 MHz 2 Zero Span Full Span Start Freq 2 440000000 GHz Stop Freq 2 550000000 GHz AUTO TUNE	

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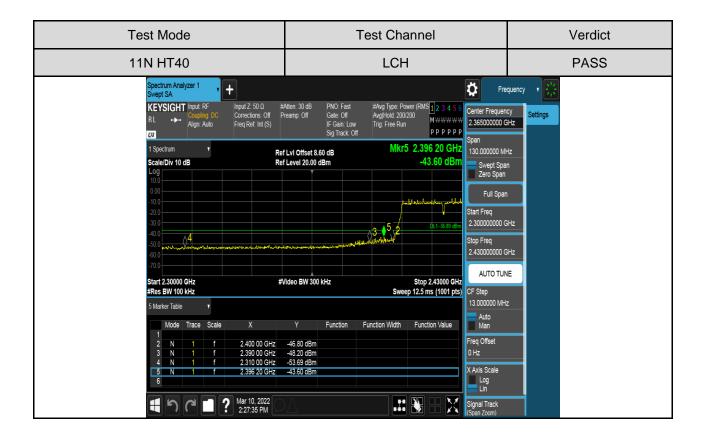


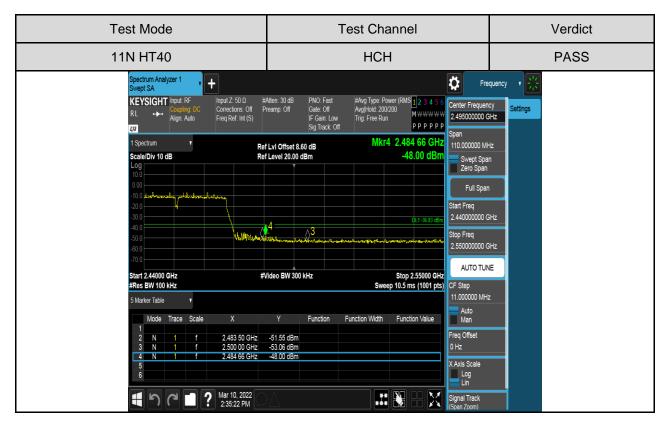


Test Mode	Test Channel	Verdict
11N HT20	НСН	PASS
RL     →     Coupling DC Align Auto     Corrections: Off Freq Ref. Int (S)       1     Spectrum      R       200       R       1     Spectrum      R       1     Spectrum      R       1     Operations: Off         20     Operations: Off         20     Operations: Off         20          20	Video BW 300 kHz Stop 2.55000 GHz Sweep 10.5 ms (1001 pts) Y Function Function Width Function Value 48.44 dBm -52.03 dBm -48.02 dBm -52.03 dBm	Span         110.000000 MHz           Swept Span         Zero Span           Full Span         Full Span           Start Freq         2.440000000 GHz           Stop Freq         2.550000000 GHz           AUTO TUNE         AUTO TUNE

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## PART 3: CONDUCTED EMISSION

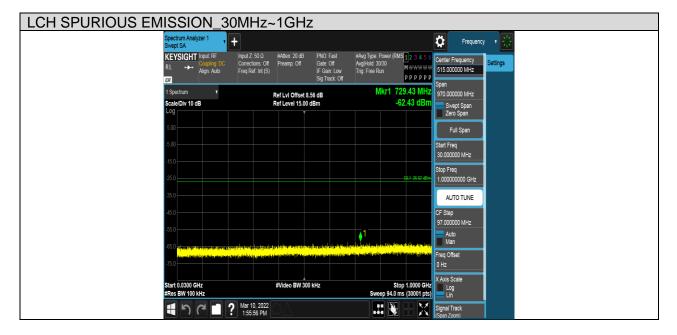
## TEST RESULTS TABLE

Test Mode	Test Channel	Result	Verdict
	LCH	Refer to the Test Graph	PASS
11B	MCH	Refer to the Test Graph	PASS
	HCH	Refer to the Test Graph	PASS
	LCH	Refer to the Test Graph	PASS
11G	MCH	Refer to the Test Graph	PASS
	HCH	Refer to the Test Graph	PASS
	LCH	Refer to the Test Graph	PASS
11N HT20	MCH	Refer to the Test Graph	PASS
	HCH	Refer to the Test Graph	PASS
	LCH	Refer to the Test Graph	PASS
11N HT40	MCH	Refer to the Test Graph	PASS
	НСН	Refer to the Test Graph	PASS



## **TEST GRAPHS**

Test Mode	Channel	Verdict
11B	LCH	PASS







Test Mode	Channel	Verdict
11B	MCH	PASS

# MCH SPURIOUS EMISSION\_30MHz~1GHz

Spectrum An	alyzer 1			🗘 Frequency 🔹 🗦
Swept SA KEYSIGH RL ↔	T Input: RF Input Z: 50 Ω		#Avg Type: Power (RMS <mark>123456</mark> Avg Hold: 30/30 Trig: Free Run PPPPP	Center Frequency Settings 515.000000 MHz
1 Spectrum Scale/Div 10 Log	v ) dB	Ref LvI Offset 8.60 dB Ref Level 15.00 dBm	Mkr1 768.17 MHz -62.50 dBm	970.000000 MHz Swept Span Zero Span
5.00				Full Span
-15.0			DL1-25.15.dBm	30.000000 MHz Stop Freq 1.000000000 GHz
-35.0				AUTO TUNE
-45.0			1	CF Step 97.000000 MHz Auto Man
-65.0 <del></del>	ana pinang kinang kang kang kang kang kang kang kang	genien fei ferein of ferein of states of second generation of the Arise Second generation of the Arise Second s In day, die fei states ferein of second states are second second second second second second second second second	na de grana para da la capacita de la construcción de la construcción de la construcción de la construcción de Construcción de la construcción de l	Freq Offset 0 Hz
Start 0.0300 #Res BW 10	0 kHz	#Video BW 300 kHz	Stop 1.0000 GHz Sweep 94.0 ms (30001 pts)	Lin
<b>ま</b> り	Mar 10, 202 1:59:35 PM	19 <u>A</u>		Signal Track (Span Zoom)





Test Mode	Channel	Verdict
11B	НСН	PASS

## HCH SPURIOUS EMISSION\_30MHz~1GHz

Spectrum A Swept SA	nalyzer 1 +			Frequency	· #
KEYSIGI RL ↔	HT Input: RF Input Z: 50 Coupling: DC Corrections Align: Auto Freq Ref. I	s: Off Preamp: Off Gate: Off	#Avg Type: Power (RMS 1 2 3 4 5 6 Avg Hold: 30/30 Trig: Free Run P P P P P P	515.000000 MHz	ettings
1 Spectrum Scale/Div 1 Log		Ref LvI Offset 8.60 dB Ref Level 15.00 dBm	Mkr1 754.59 MHz -62.15 dBm	Span 970.000000 MHz Swept Span Zero Span	
5.00				Full Span	
-15.0				30.000000 MHz Stop Freq	
-25.0			OL1-26.55 dBm	1.000000000 GHz	
-45.0				CF Step 97.000000 MHz	
-65.0	un anna franciscum principal di Communicationes communicationes de communicationes de communicationes de communicationes de communicationes de communicationes d	n negating ang kanan telefor period at tanàn 1999 at ana ani a tang 1994 at Ny kanjarang mangkatang mangkatang ang kanang ka	1 na provinst i ka konstruiter i konstruiter determinister i kan se	Auto Man Freq Offset	
-75.0 Start 0.030	0 GHz	#Video BW 300 kHz	Stop 1.0000 GHz	0 Hz X Axis Scale	
	00 kHz C Mar 10, 2 2:03:07	2022 PM	Sweep 94.0 ms (30001 pts)	Log Lin Signal Track (Span Zoom)	





Test Mode	Channel	Verdict
11G	LCH	PASS

## LCH SPURIOUS EMISSION\_30MHz~1GHz

		10112		
Spectrum A Swept SA	Analyzer 1 🔻 🕇			Frequency 🕇 👌
KEYSIGI RL ↔	HT Input RF Coupling: DC Align: Auto Freq Ref: Int (S)	#Atten: 20 dB PNO: Fast Preamp: Off Gate: Off IF Gain: Low Sig Track: Off	Trig: Free Run PPPPP	
1 Spectrum Scale/Div 1		Ref LvI Offset 8.56 dB Ref Level 15.00 dBm	Mkr1 882.82 MHz -62.24 dBm	Swept Span
5.00				Euli Span
-5.00				Start Freq 30.000000 MHz
-25.0			DL1-32.04 dBm	Stop Freq 1.000000000 GHz
-35.0				AUTO TUNE
-45.0				CF Step 97.000000 MHz
-65.0	and the second		1 List to extend at different sectors	Auto Man
-75.0	n albiblicat marran og narbjettar juri filladi	n fra senseska första för är som det som		Freq Offset 0 Hz
Start 0.030 #Res BW 1	100 kHz	#Video BW 300 kHz	Stop 1.0000 GHz Sweep 94.0 ms (30001 pts)	X Axis Scale Log Lin
<b>1</b> 5	) C 🚺 ? Mar 10, 2022 2:06:38 PM			Signal Track (Span Zoom)





Test Mode	Channel	Verdict
11G	MCH	PASS

## MCH SPURIOUS EMISSION\_30MHz~1GHz

Spectrum Ar	nalyzer 1 +	-		Frequency 🔹
Swept SA KEYSIGH RL →→ LN	T Input: RF Input Z: 50 Ω Counting: DC Corrections: Off	#Atten: 20 dB PNO: Fast Preamp: Off Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Power (RMS 1 2 3 4 5 6 Avg Hold: 30/30 Trig: Free Run P P P P P P	Center Frequency 515.000000 MHz Settings
1 Spectrum Scale/Div 11 Log		Ref LvI Offset 8.60 dB Ref Level 15.00 dBm	Mkr1 814.44 MHz -62.17 dBm	Span 970.000000 MHz Swept Span Zero Span
5 00				Full Span Start Freq
-15 0 .25 0				30.000000 MHz Stop Freq 1.000000000 GHz
-35.0			DL1-31.59 dBm	AUTO TUNE
-55 0			1	CF Step 97.000000 MHz Auto Man
-65 0	anna argentinean agus grupe grupe grupe grupe agus barranna Anna an	ynanger fen felfen lief fan gebruik in gebruik in de gebruik in de gebruik felfen de gebruik Men gebruik in de felfen in gegen gebruik in g	n i na palandina na katalahati katika katalahati pala	Freq Offset 0 Hz
Start 0.0300 #Res BW 10	00 kHz	#Video BW 300 kHz	Stop 1.0000 GHz Sweep 94.0 ms (30001 pts)	Lin
<b>4</b> 5	Call ? Mar 10, 2022 2:10:01 PM			Signal Track (Span Zoom)





Test Mode	Channel	Verdict
11G	НСН	PASS

## HCH SPURIOUS EMISSION\_30MHz~1GHz

		10112		
Spectrum An Swept SA	halyzer 1 🔰 🕇			🛱 Frequency 🕇 🗧
KEYSIGH RL ↔		#Atten: 20 dB PNO: Fast Preamp: Off Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Power (RMS 1 2 3 4 5 6 Avg[Hold: 30/30 Trig: Free Run P P P P P P	515.000000 MHz
1 Spectrum Scale/Div 1		Ref LvI Offset 8.60 dB Ref Level 15.00 dBm	Mkr1 873.61 MHz -61.36 dBm	Swept Span
500				Zero Span Full Span
-5.00				Start Freq 30.000000 MHz
-25.0			DL1-3193 dBm	Stop Freq 1.000000000 GHz
-35.0			0L1-31-35 dBm	AUTO TUNE
-45.0				CF Step 97.000000 MHz
-55.0 -65.0 <del>- 10/101</del>	sanan dara manana ka wa bilana mampi a ma	heelen kan heelen heeren daar het het heeren heelen het het heeren heelen het het heeren het het heeren het het	arrest Mady motion allot allocation and a laboration	Auto Man
-75.0	errendel andere en errende for de andere en en en en en errende en en en errende en en en en er en en errende e	inninininininin Kompanya ina dia dia dia dia dia dia dia dia dia di	n na shekarar ka kata da kata da kata ka kata ka kata ka kata ka kata ka kata ka kata kata kata kata kata kata	Freq Offset 0 Hz
Start 0.0300 #Res BW 10	00 kHz	#Video BW 300 kHz	Stop 1.0000 GHz Sweep 94.0 ms (30001 pts)	
<b>1</b>	Mar 10, 2022 2:13:31 PM		X 🕺 🎞	Signal Track (Span Zoom)





Test Mode	Channel	Verdict
11N HT20	LCH	PASS

## LCH SPURIOUS EMISSION\_30MHz~1GHz

Spectru Swept 5	rum Analyzer 1 : SA			Frequency y
KEYS RL LUJ	SIGHT Input: RF Input Z: Coupling: DC Align: Auto Freq Re	ons: Off Preamp: Off Gate: Off	Avg Hold: 30/30 MWWWWW w Trig: Free Run	
	ctrum v /Div 10 dB	Ref Lvi Offset 8.56 dB Ref Level 15.00 dBm	Mkr1 885.35 MHz -62.46 dBm	Swept Span
<b>Log</b> – 5.00 –				Zero Span Full Span
-5.00 - -15.0 -				Start Freq 30.000000 MHz
-25.0 —			DL1-32.12 dBm	Stop Freq 1.000000000 GHz
-35.0 -				AUTO TUNE
-45.0 -				CF Step 97.000000 MHz
-55.0 - -65.0 #	ing an a balantari mana (dagang ing panana yan ing pa	त्रिका स्ट्रान्स् <mark>विद्यालय भाष्यका स्ट्रान्स् व विद्यास स्ट्रान्स्य</mark> व विद्यास स्ट्रान्स्य	1 Historica Handra Hannard and the Million and transition	Auto Man
-75 0	<mark>n ne prostani ana financia mina antana akata finana a</mark>	ng yang bang ang ang ang ang ang ang ang ang ang	aan ay ah ah ay ah ay ah ay ah	Freq Offset 0 Hz
	0.0300 GHz BW 100 kHz	#Video BW 300 kHz	Stop 1.0000 GHz Sweep 94.0 ms (30001 pts)	X Axis Scale Log Lin
	ら ペ 【 ? Mar 10 2:17:0	0, 2022 D7 PM		Signal Track (Span Zoom)





Test Mode	Channel	Verdict
11N HT20	MCH	PASS

## MCH SPURIOUS EMISSION\_30MHz~1GHz

		•••••						
Spectrum Anal Swept SA	yzer 1	•					Ç Freq	uency y
KEYSIGHT RL ↔→	Input: RF Coupling: DC Align: Auto	Input Ζ: 50 Ω Corrections: Off Freq Ref: Int (S)	#Atten: 20 dB Preamp: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Power (I Avg Hold: 30/30 Trig: Free Run	M₩₩₩₩₩ ₽₽₽₽₽₽	010.000000 1111	
1 Spectrum			Ref LvI Offset 8	3.60 dB	Mkr1	896.50 MHz	Span 970.000000 MH:	
Scale/Div 10 o	18		Ref Level 15.00	) dBm		-62.13 dBm	Swept Span	
=09							Zero Span	
5.00							Full Span	
-5.00							Start Freq 30.000000 MHz	
-15.0							Stop Freq	
-25.0						DL1 -31.70 dBm	1.000000000 Gł	iz
-35.0							AUTO TUNE	:
-45.0							CF Step	
-55.0							97.000000 MHz	
-65.0	ti de la calencia de	and show of difference	المرجلة فليعمده		والمتلية والمتلفظ والمتلفظ	mahammall	Auto Man	
and sectors and sectors		a di secti da se su su se		i els dels constitución selection	a providencia de la composición de la c	ekiltresiaki so-te	Freq Offset	
-75.0							0 Hz	
Start 0.0300 G #Res BW 100			#Video BW 30	0 kHz		Stop 1.0000 GHz 0 ms (30001 pts)	X Axis Scale Log Lin	
<u>+</u> า	? 🗅 ۲	Mar 10, 2022 2:20:34 PM					Signal Track (Span Zoom)	





Test Mode	Channel	Verdict
11N HT20	НСН	PASS

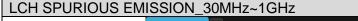
## HCH SPURIOUS EMISSION\_30MHz~1GHz

Spectrum A		10112		
Swept SA	nalyzer 1 +			Frequency 🕇
KEYSIG RL ↔	HT Input RF Coupling DC Align: Auto Freq Ref. Int (S)	#Atten: 20 dB PNO: Fast Preamp: Off Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Power (RMS 1 2 3 4 5 6 Avg Hold: 30/30 Trig: Free Run P P P P P P	
1 Spectrum Scale/Div 1		Ref Lvi Offset 8.60 dB Ref Level 15.00 dBm	Mkr1 811.82 MHz -62.06 dBm	970.000000 MHz
5.00				Zero Span Full Span
-5.00				Start Freq 30.000000 MHz
-25.0			DL1-31.99 dBm	Stop Freq 1.000000000 GHz
-35.0				AUTO TUNE
-45.0				CF Step 97.000000 MHz
-65.0 <mark>(1 ) 10 -</mark>	unale <mark>n h</mark> andatata data berukulu lanan anan anan.	prijden seiter bergeiningen in der stelle sereiter	1 decedence of matter between the state of the state the state of the	Auto Man
-75.0	are weat you had not and the serie lacked by grypak out			Freq Offset 0 Hz X Axis Scale
Start 0.030 #Res BW 1	00 kHz	#Video BW 300 kHz	Stop 1.0000 GHz Sweep 94.0 ms (30001 pts)	Log Lin
	) (~ 🚺 ? Mar 10, 2022 2:24:06 PM			Signal Track (Span Zoom)





Test Mode	Channel	Verdict
11N HT40	LCH	PASS









Test Mode	Channel	Verdict
11N HT40	MCH	PASS

# MCH SPURIOUS EMISSION\_30MHz~1GHz

Spectra Swept	um Analyzer 1 , +	·			Frequency	- 1 <u>- 1/2</u>
KEYS RL נס	Coupling: DC		utten: 20 dB PNO: Fas eamp: Off Gate: Off IF Gain: L Sig Track:	Avg Hold: 30/30 Low Trig: Free Run	515.000000 MHz	Settings
1 Spec Scale/ Log	ctrum v /Div 10 dB		Lvi Offset 8.60 dB Level 15.00 dBm	Mkr1 868.57 MHz -62.23 dBm		
5.00 - -5.00 -					Full Span Start Freq	
-15 0 - .95 0 -					30.000000 MHz Stop Freq	
-200				OL1 36 68 dBr	1.000000000 GHz	
.45.0 - .55.0 -				1	CF Step 97.000000 MHz Auto Man	
-65 0 -75 0	n a finis a ser a constant a ser a ser La seria constant a seria de s	a finde find fan de steren finde finde finde Referen finde	ng ng Pang Pang Pang Pang Pang Pang Pang	a karan tana dikenya kitana ang karang na makalikan karang karang na karang karang na karang karang karang kar Kang karang mang karang kar Karang karang	Freq Offset 0 Hz	
#Res E	0.0300 GHz BW 100 kHz		ideo BW 300 kHz	Stop 1.0000 GH; Sweep 94.0 ms (30001 pts		
4	り [] ?	Mar 10, 2022 2:31:46 PM			Signal Track (Span Zoom)	

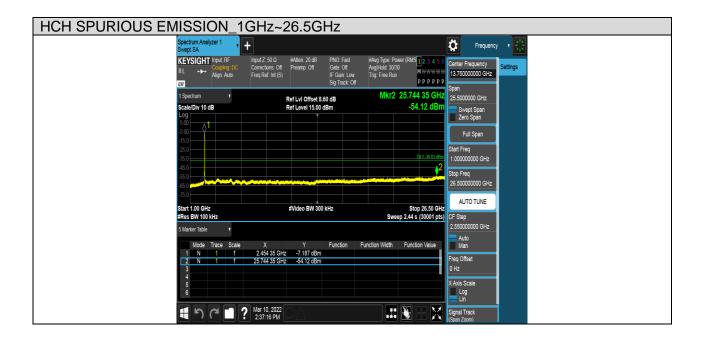




Test Mode	Channel	Verdict
11N HT40	НСН	PASS

# HCH SPURIOUS EMISSION\_30MHz~1GHz

Spectrum Al Swept SA	nalyzer 1 🕇 🕇	-		Frequency	• <u>**</u>
KEYSIGI RL ↔	HT Input RF Input Z: 50 Coupling: DC Corrections Align: Auto Freq Ref. In	: Off Preamp: Off Gate: Off	#Avg Type: Power (RMS 1 2 3 4 5 6 Avg Hold: 30/30 Trig: Free Run P P P P P P	515.000000 MHz	ettings
1 Spectrum Scale/Div 1 Log	v 10 dB	Ref LvI Offset 8.60 dB Ref Level 15.00 dBm	Mkr1 905.26 MHz -61.88 dBm	Span 970.000000 MHz Swept Span Zero Span	
5.00				Full Span	
-5.00				Start Freq 30.000000 MHz	
-25.0				Stop Freq 1.000000000 GHz	
-35.0			0L1-36.83 dBm	AUTO TUNE CF Step	
-55.0			1	97.000000 MHz	
-65.0 -	n fan men fan fan fan fan fan fan fan fan fan fa	a na panganan da kamit panah da na panganan panganan na pananan mana pana na panganan na panganan na pananan panganan na pananan	anna dhadha da hlada bhanadha in ma gunadha na gunadha an	Man Freq Offset 0 Hz	
Start 0.0300 #Res BW 10		#Video BW 300 kHz	Stop 1.0000 GHz Sweep 94.0 ms (30001 pts)	X Axis Scale	
	Mar 10, 2 2:35:38	022 PM		Signal Track (Span Zoom)	



# 7.6. RADIATED TEST RESULTS

# 7.6.1.LIMITS AND PROCEDURE

# LIMITS

Please refer to FCC §15.205 and §15.209

Please refer to FCC KDB 558074

Radiation Disturbance Test Limit for FCC (Class B)(9KHz-1GHz)

Frequency	Field Strength	Measurement Distance
(MHz)	(microvolts/meter)	(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
960~1000	500	3

Note: 1) At frequencies at or above 30 MHz, measurements may be performed at a distance other than what is specified provided: measurements are not made in the near field except where it can be shown that near field measurements are appropriate due to the characteristics of the device; and it can be demonstrated that the signal levels needed to be measured at the distance employed can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 meters unless it can be further demonstrated that measurements at a distance of 30 meters or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse linear-distance for field strength measurements; inverse-linear-distance-squared for power density measurements).

(2) At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed below 30 MHz, when performing measurements at a closer distance than specified, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). This paragraph (f) shall not apply to Access BPL devices operating below 30 MHz.



# Radiation Disturbance Test Limit for FCC (Above 1G)

Frequency (MHz)	dB(uV/m) (at 3 meters)		
	Peak	Average	
Above 1000	74	54	

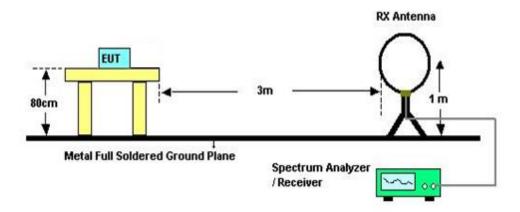
Restricted bands of operation

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
<sup>1</sup> 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	( <sup>2</sup> )
13.36-13.41			

Note: <sup>1</sup>Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz. <sup>2</sup>Above 38.6c

## TEST SETUP AND PROCEDURE

#### Below 30MHz



## The setting of the spectrum analyser

RBW	200Hz (From 9kHz to 0.15MHz)/ 9KHz (From 0.15MHz to 30MHz)
VBW	200Hz (From 9kHz to 0.15MHz)/ 9KHz (From 0.15MHz to 30MHz)
Sweep	Auto
Detector	Peak/QP/ Average
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013

2. The EUT was arranged to its worst case and then turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both Horizontal, Face-on and Face-off polarizations of the antenna are set to make the measurement.

3. The EUT was placed on a turntable with 0.8 meter above ground.

4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a 1m height antenna tower.

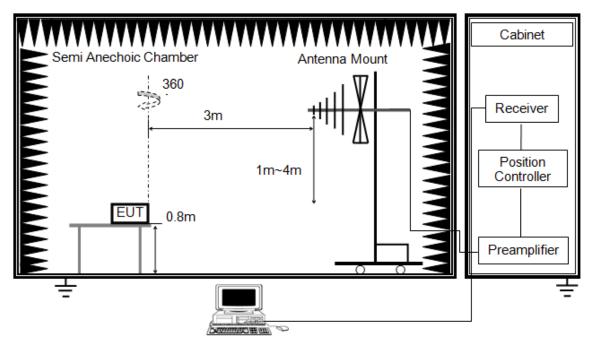
5. The radiated emission limits are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector

6. For measurement below 1GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

7. For the actual test configuration, please refer to the related item in this test report (Photographs of the Test Configuration)



# Below 1G



The setting of the spectrum analyser

RBW	120K
VBW	300K
Sweep	Auto
Detector	Peak/QP
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013.

2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

3. The EUT was placed on a turntable with 0.8 meter above ground.

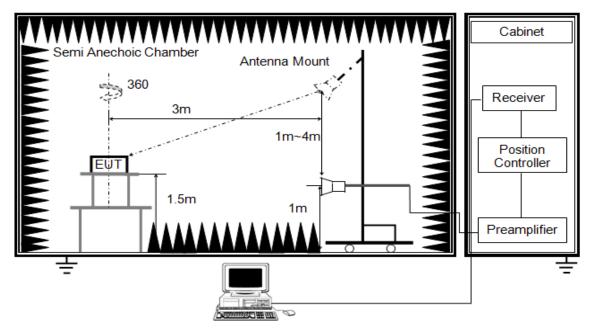
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.

5. For measurement below 1GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

6. For the actual test configuration, please refer to the related item in this test report (Photographs of the Test Configuration)



# Above 1G



The setting of the spectrum analyser

RBW	1M
IVBW	PEAK:3M AVG: See note6
Sweep	Auto
Detector	Peak/Average(10Hz)
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013.

2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

3. The EUT was placed on a turntable with 1.5m above ground.

4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.

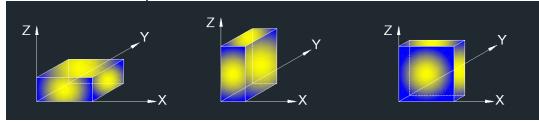
5. For measurement above 1GHz, the emission measurement will be measured by the peak detector. This peak level, once corrected, must comply with the limit specified in Section 15.209.

6. For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with set VBW ≤RBW/100, but not less than list in section 7.1 with average detector, max hold to run for at least 50 traces for average measurements.

7. For the actual test configuration, please refer to the related item in this test report (Photographs of the Test Configuration)



X axis, Y axis, Z axis positions:



Note: For all radiated test, EUT in each of three orthogonal axis emissions had been tested, but only the worse case (Z axis) data recorded in the report.

# 7.6.2. TEST ENVIRONMENT

Temperature	21.1°C	Relative Humidity	58.4%
Atmosphere Pressure	101.1kPa	Test Date	2022-03-11

# 7.6.3. RESTRICTED BANDEDGE

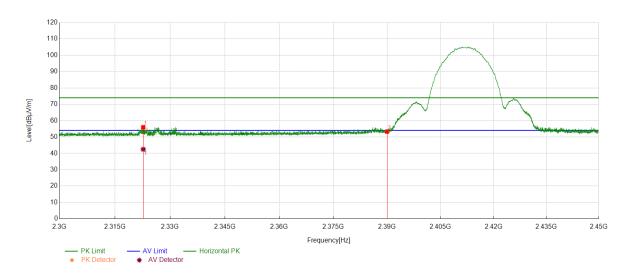
## TEST RESULT TABLE

Test Mode	Channel	Puw(dBm)	Verdict
	LCH	<limit< td=""><td>PASS</td></limit<>	PASS
11B	MCH	<limit< td=""><td>PASS</td></limit<>	PASS
	НСН	<limit< td=""><td>PASS</td></limit<>	PASS
	LCH	<limit< td=""><td>PASS</td></limit<>	PASS
11G	MCH	<limit< td=""><td>PASS</td></limit<>	PASS
	HCH	<limit< td=""><td>PASS</td></limit<>	PASS
	LCH	<limit< td=""><td>PASS</td></limit<>	PASS
11N HT20	MCH	<limit< td=""><td>PASS</td></limit<>	PASS
	HCH	<limit< td=""><td>PASS</td></limit<>	PASS
	LCH	<limit< td=""><td>PASS</td></limit<>	PASS
11N HT40	MCH	<limit< td=""><td>PASS</td></limit<>	PASS
	HCH	<limit< td=""><td>PASS</td></limit<>	PASS



### **TEST GRAPHS**

Test Mode	Channel	Polarization	Verdict	
11B	LCH	Horizontal	PASS	



#### PK Result:

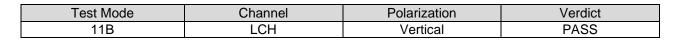
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2322.7278	43.16	12.38	55.54	74.00	-18.46	Horizontal
2	2390	40.19	13.07	53.26	74.00	-20.74	Horizontal

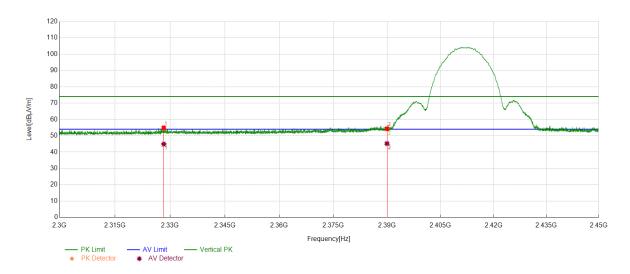
AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2322.7278	30.11	12.38	42.49	54.00	-11.51	Horizontal

- 2. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
- 3. Measurement = Reading Level + Correct Factor.
- 4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2328.316	42.07	12.45	54.52	74.00	-19.48	Vertical
2	2390	41.02	13.07	54.09	74.00	-19.91	Vertical

#### AV Result:

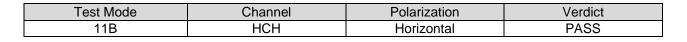
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2328.316	32.45	12.45	44.90	54.00	-9.10	Vertical
2	2390	32.15	13.07	45.22	54.00	-8.78	Vertical

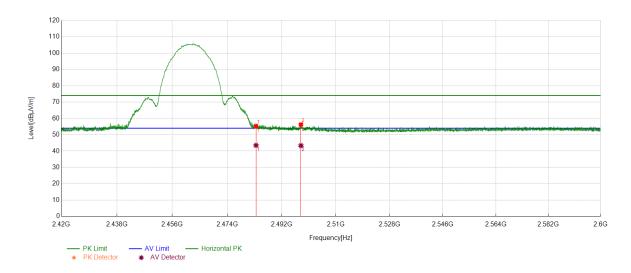
Note: 1. Peak detector: RBW: 1 MHz, VBW: 3 MHz.

- 2. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
- 3. Measurement = Reading Level + Correct Factor.

4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







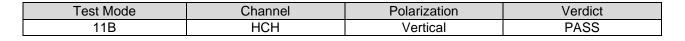
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5	41.91	12.97	54.88	74.00	-19.12	Horizontal
2	2498.3773	42.67	13.12	55.79	74.00	-18.21	Horizontal

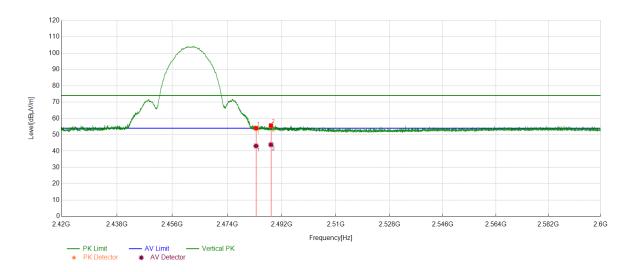
#### AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5	30.56	12.97	43.53	54.00	-10.47	Horizontal
2	2498.3773	30.24	13.12	43.36	54.00	-10.64	Horizontal

- 2. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
- 3. Measurement = Reading Level + Correct Factor.
- 4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5	40.84	12.97	53.81	74.00	-20.19	Vertical
2	2488.4311	42.34	12.99	55.33	74.00	-18.67	Vertical

#### AV Result:

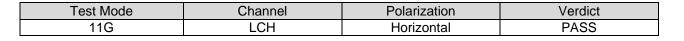
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5	30.19	12.97	43.16	54.00	-10.84	Vertical
2	2488.4311	30.93	12.99	43.92	54.00	-10.08	Vertical

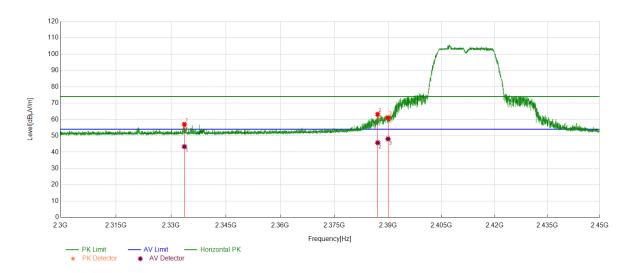
Note: 1. Peak detector: RBW: 1 MHz, VBW: 3 MHz.

- 2. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
- 3. Measurement = Reading Level + Correct Factor.

4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







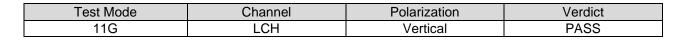
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2333.6792	44.04	12.52	56.56	74.00	-17.44	Horizontal
2	2387.1299	50.30	13.06	63.36	74.00	-10.64	Horizontal
3	2390.0162	48.37	13.07	61.44	74.00	-12.56	Horizontal

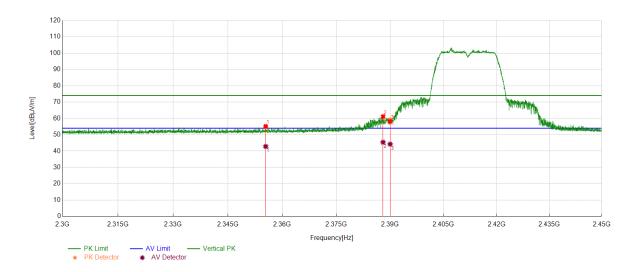
## AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2333.6792	30.84	12.52	43.36	54.00	-10.64	Horizontal
2	2387.1299	32.69	13.06	45.75	54.00	-8.25	Horizontal
3	2390.0162	35.01	13.07	48.08	54.00	-5.92	Horizontal

- 2. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
- 3. Measurement = Reading Level + Correct Factor.
- 4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







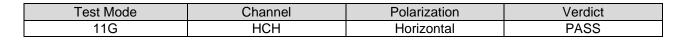
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2355.4507	42.07	12.74	54.81	74.00	-19.19	Vertical
2	2388.0536	48.30	13.07	61.37	74.00	-12.63	Vertical
3	2390.0469	46.30	13.07	59.37	74.00	-14.63	Vertical

## AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2355.4507	30.11	12.74	42.85	54.00	-11.15	Vertical
2	2388.0536	32.35	13.07	45.42	54.00	-8.58	Vertical
3	2390.0469	31.19	13.07	44.26	54.00	-9.74	Vertical

- 2. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
- 3. Measurement = Reading Level + Correct Factor.
- 4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







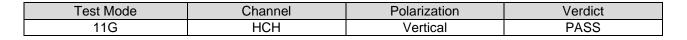
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.4812	50.27	12.97	63.24	74.00	-10.76	Horizontal
2	2488.4319	48.17	12.99	61.16	74.00	-12.84	Horizontal
3	2549.0536	41.94	13.36	55.30	74.00	-18.70	Horizontal

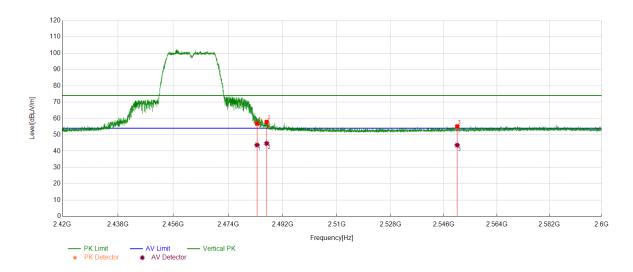
## AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.4812	33.31	12.97	46.28	54.00	-7.72	Horizontal
2	2488.4319	32.53	12.99	45.52	54.00	-8.48	Horizontal
3	2549.0536	30.17	13.36	43.53	54.00	-10.47	Horizontal

- 2. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
- 3. Measurement = Reading Level + Correct Factor.
- 4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







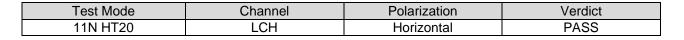
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5	43.67	12.97	56.64	74.00	-17.36	Vertical
2	2486.6983	44.67	12.98	57.65	74.00	-16.35	Vertical
3	2550.5163	41.57	13.35	54.92	74.00	-19.08	Vertical

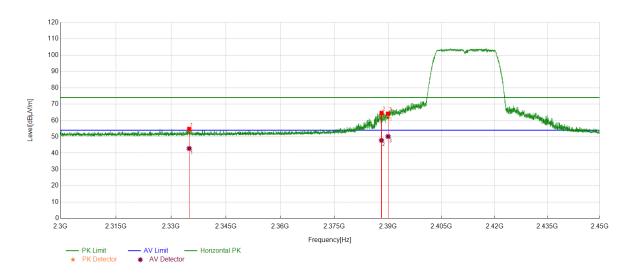
## AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5	30.75	12.97	43.72	54.00	-10.28	Vertical
2	2486.6983	31.72	12.98	44.70	54.00	-9.30	Vertical
3	2550.5163	30.29	13.35	43.64	54.00	-10.36	Vertical

- 2. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
- 3. Measurement = Reading Level + Correct Factor.
- 4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







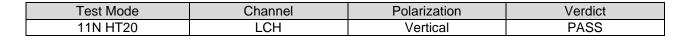
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2334.9919	41.99	12.53	54.52	74.00	-19.48	Horizontal
2	2388.1742	51.37	13.07	64.44	74.00	-9.56	Horizontal
3	2390.026	50.23	13.07	63.30	74.00	-10.70	Horizontal

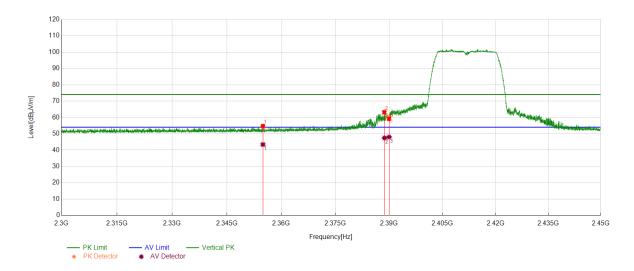
## AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2334.9919	30.29	12.53	42.82	54.00	-11.18	Horizontal
2	2388.1742	34.76	13.07	47.83	54.00	-6.17	Horizontal
3	2390.026	37.09	13.07	50.16	54.00	-3.84	Horizonta

- 2. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
- 3. Measurement = Reading Level + Correct Factor.
- 4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







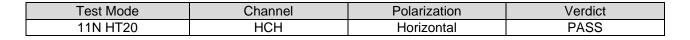
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2354.9631	41.57	12.73	54.30	74.00	-19.70	Vertical
2	2388.7274	50.27	13.07	63.34	74.00	-10.66	Vertical
3	2390.0317	47.21	13.07	60.28	74.00	-13.72	Vertical

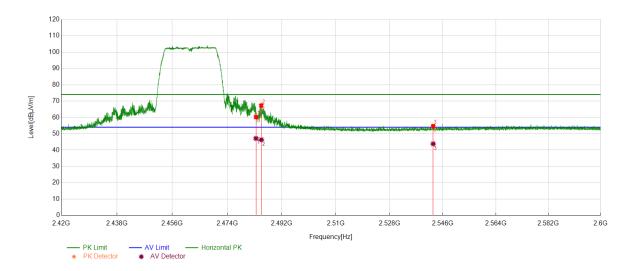
## AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2354.9631	30.70	12.73	43.43	54.00	-10.57	Vertical
2	2388.7274	34.37	13.07	47.44	54.00	-6.56	Vertical
3	2390.0317	34.94	13.07	48.01	54.00	-5.99	Vertical

- 2. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
- 3. Measurement = Reading Level + Correct Factor.
- 4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







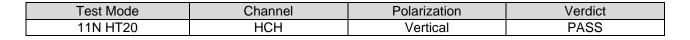
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.4835	47.58	12.97	60.55	74.00	-13.45	Horizontal
2	2485.2627	54.77	12.97	67.74	74.00	-6.26	Horizontal
3	2542.7078	41.05	13.40	54.45	74.00	-19.55	Horizontal

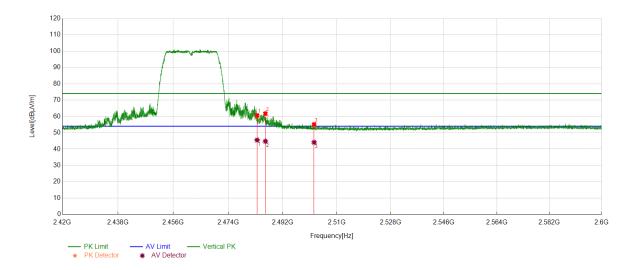
## AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.4835	34.19	12.97	47.16	54.00	-6.84	Horizontal
2	2485.2627	33.36	12.97	46.33	54.00	-7.67	Horizontal
3	2542.7078	30.44	13.40	43.84	54.00	-10.16	Horizontal

- 2. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
- 3. Measurement = Reading Level + Correct Factor.
- 4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







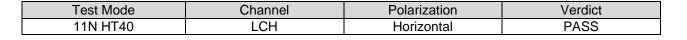
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.5339	47.41	12.97	60.38	74.00	-13.62	Vertical
2	2486.2733	48.95	12.98	61.93	74.00	-12.07	Vertical
3	2502.4278	41.65	13.16	54.81	74.00	-19.19	Vertical

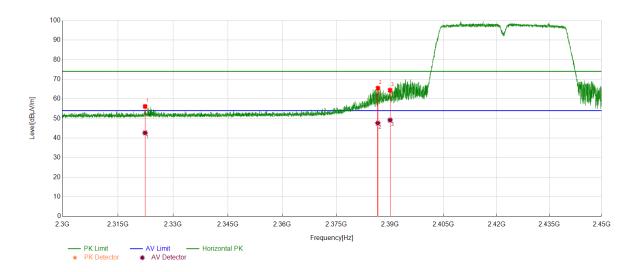
## AV Result:

No	<b>D.</b>	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
		[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1		2483.5339	32.55	12.97	45.52	54.00	-8.48	Vertical
2	2	2486.2733	31.80	12.98	44.78	54.00	-9.22	Vertical
3	}	2502.4278	30.97	13.16	44.13	54.00	-9.87	Vertical

- 2. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
- 3. Measurement = Reading Level + Correct Factor.
- 4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.





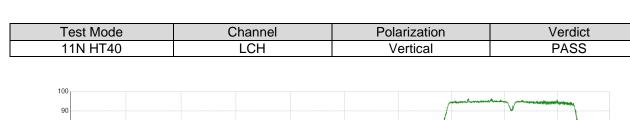


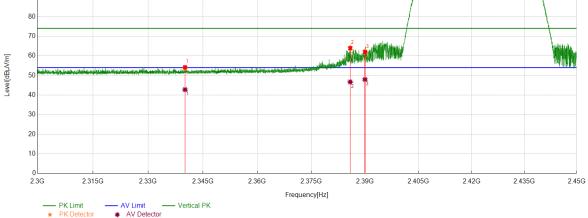
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2322.4091	43.58	12.38	55.96	74.00	-18.04	Horizontal
2	2386.5912	52.57	13.07	65.64	74.00	-8.36	Horizontal
3	2390.0295	51.70	13.07	64.77	74.00	-9.23	Horizontal

## AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2322.4091	30.25	12.38	42.63	54.00	-11.37	Horizontal
2	2386.5912	34.55	13.07	47.62	54.00	-6.38	Horizontal
3	2390.0295	36.07	13.07	49.14	54.00	-4.86	Horizontal

- 2. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
- 3. Measurement = Reading Level + Correct Factor.
- 4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.





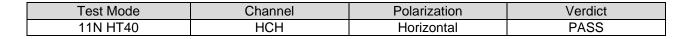
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2340.1488	41.23	12.60	53.83	74.00	-20.17	Vertical
2	2385.8683	51.24	13.06	64.30	74.00	-9.70	Vertical
3	2389.997	49.45	13.07	62.52	74.00	-11.48	Vertical

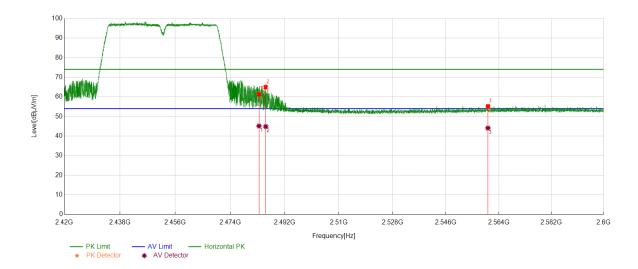
#### AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2340.1488	30.16	12.60	42.76	54.00	-11.24	Vertical
2	2385.8683	33.62	13.06	46.68	54.00	-7.32	Vertical
3	2389.997	34.87	13.07	47.94	54.00	-6.06	Vertical

- 2. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
- 3. Measurement = Reading Level + Correct Factor.
- 4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







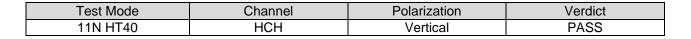
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.4873	48.27	12.97	61.24	74.00	-12.76	Horizontal
2	2485.7172	52.36	12.97	65.33	74.00	-8.67	Horizontal
3	2560.2825	41.37	13.41	54.78	74.00	-19.22	Horizontal

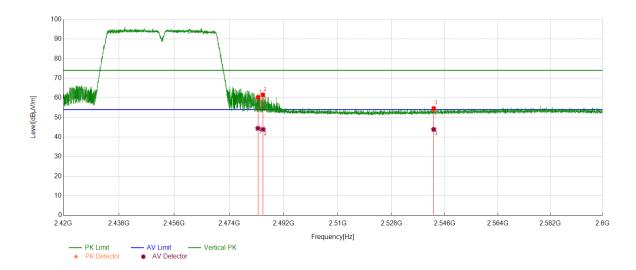
## AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.4873	32.16	12.97	45.13	54.00	-8.87	Horizontal
2	2485.7172	31.87	12.97	44.84	54.00	-9.16	Horizontal
3	2560.2825	30.66	13.41	44.07	54.00	-9.93	Horizontal

- 2. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
- 3. Measurement = Reading Level + Correct Factor.
- 4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.4758	47.32	12.97	60.29	74.00	-13.71	Vertical
2	2485.1491	48.51	12.97	61.48	74.00	-12.52	Vertical
3	2542.2128	40.76	13.40	54.16	74.00	-19.84	Vertical

## AV Result:

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	2483.4758	31.46	12.97	44.43	54.00	-9.57	Vertical
2	2485.1491	30.93	12.97	43.90	54.00	-10.10	Vertical
3	2542.2128	30.49	13.40	43.89	54.00	-10.11	Vertical

- 2. Average detector: RBW: 1 MHz, VBW: 1/T MHz(refer to clause 7.1.).
- 3. Measurement = Reading Level + Correct Factor.
- 4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



# 7.6.4. SPURIOUS EMISSIONS

### TEST RESULTS TABLE

### 1) For 1GHz~18GHz

Test Mode	Channel	Puw(dBm)	Verdict
	LCH	<limit< td=""><td>PASS</td></limit<>	PASS
11B	MCH	<limit< td=""><td>PASS</td></limit<>	PASS
	HCH	<limit< td=""><td>PASS</td></limit<>	PASS
	LCH	<limit< td=""><td>PASS</td></limit<>	PASS
11G	MCH	<limit< td=""><td>PASS</td></limit<>	PASS
	HCH	<limit< td=""><td>PASS</td></limit<>	PASS
	LCH	<limit< td=""><td>PASS</td></limit<>	PASS
11N HT20	MCH	<limit< td=""><td>PASS</td></limit<>	PASS
	HCH	<limit< td=""><td>PASS</td></limit<>	PASS
	LCH	<limit< td=""><td>PASS</td></limit<>	PASS
11N HT40	MCH	<limit< td=""><td>PASS</td></limit<>	PASS
	HCH	<limit< td=""><td>PASS</td></limit<>	PASS

#### 2) For 9KHz~30MHz

Test Mode	Channel	Puw(dBm)	Verdict
11B	MCH	<limit< th=""><th>PASS</th></limit<>	PASS

#### Remark:

1) Through pre-testing all the test modes and test channels, but only the data of the worst case is included in this test report.

#### 3) For 30MHz~1GHz

Test Mode	Channel	Puw(dBm)	Verdict
11B	MCH	<limit< th=""><th>PASS</th></limit<>	PASS

# Remark:

1) Through pre-testing all the test modes and test channels, but only the data of the worst case is included in this test report.

#### 4) For 18GHz~26.5GHz

Test Mode	Channel	Puw(dBm)	Verdict
11B	MCH	<limit< th=""><th>PASS</th></limit<>	PASS

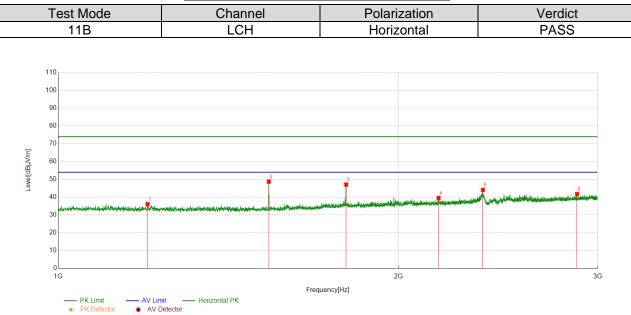
Remark:

1) Through pre-testing all the test modes and test channels, but only the data of the worst case is included in this test report.

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# Part 1: 1GHz~3GHz

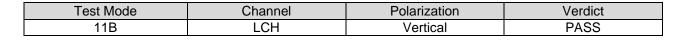


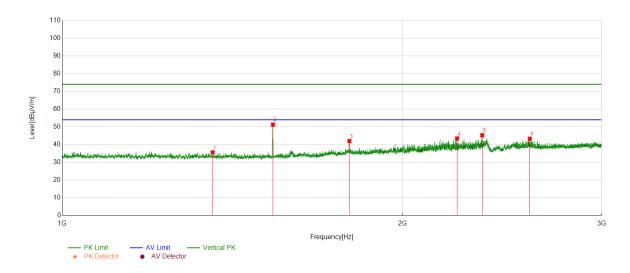
### HARMONICS AND SPURIOUS EMISSIONS

No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	1199.5249	41.66	-5.56	36.10	74.00	-37.90	Horizontal
2	1535.5669	54.50	-5.75	48.75	74.00	-25.25	Horizontal
3	1797.3497	50.89	-3.82	47.07	74.00	-26.93	Horizontal
4	2169.8962	41.88	-2.32	39.56	74.00	-34.44	Horizontal
5	2374.6718	45.18	-1.11	44.07	74.00	-29.93	Horizontal
6	2876.7346	41.55	0.24	41.79	74.00	-32.21	Horizontal

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 4. Peak: Peak detector.
- 5. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



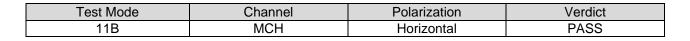


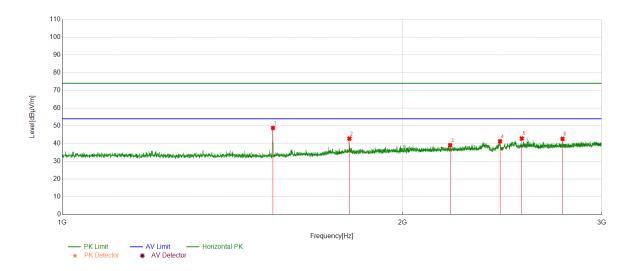


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	1358.2948	41.25	-5.62	35.63	74.00	-38.37	Vertical
2	1535.817	57.04	-5.75	51.29	74.00	-22.71	Vertical
3	1794.5993	45.87	-3.79	42.08	74.00	-31.92	Vertical
4	2234.4043	45.69	-2.22	43.47	74.00	-30.53	Vertical
5	2352.169	46.93	-1.57	45.36	74.00	-28.64	Vertical
6	2591.4489	44.10	-0.76	43.34	74.00	-30.66	Vertical

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 4. Peak: Peak detector.
- 5. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



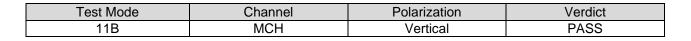


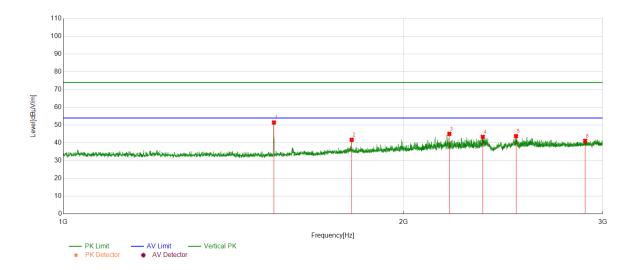


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	1535.817	54.62	-5.75	48.87	74.00	-25.13	Horizontal
2	1794.3493	46.64	-3.78	42.86	74.00	-31.14	Horizontal
3	2203.1504	41.48	-2.33	39.15	74.00	-34.85	Horizontal
4	2439.1799	42.09	-0.76	41.33	74.00	-32.67	Horizontal
5	2549.6937	43.89	-0.98	42.91	74.00	-31.09	Horizontal
6	2769.9712	42.91	-0.21	42.70	74.00	-31.30	Horizontal

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 4. Peak: Peak detector.
- 5. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

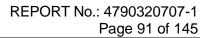




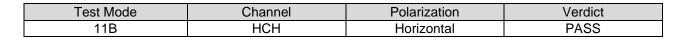


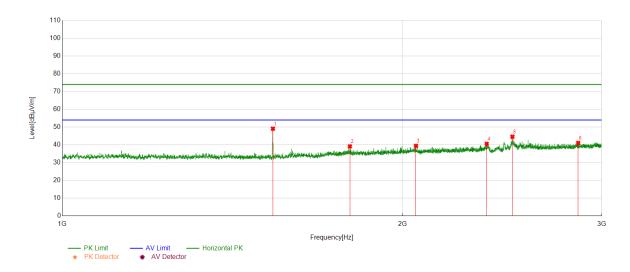
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	1535.817	57.24	-5.75	51.49	74.00	-22.51	Vertical
2	1799.3499	45.60	-3.84	41.76	74.00	-32.24	Vertical
3	2195.1494	47.42	-2.33	45.09	74.00	-28.91	Vertical
4	2349.9187	45.08	-1.68	43.40	74.00	-30.60	Vertical
5	2514.4393	44.16	-0.36	43.80	74.00	-30.20	Vertical
6	2894.9869	40.73	0.44	41.17	74.00	-32.83	Vertical

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 4. Peak: Peak detector.
- 5. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.





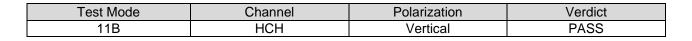


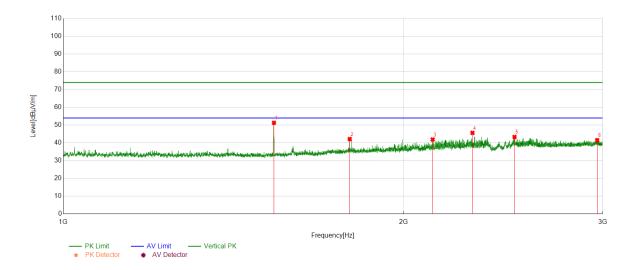


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	1535.5669	54.89	-5.75	49.14	74.00	-24.86	Horizontal
2	1796.3495	43.02	-3.81	39.21	74.00	-34.79	Horizontal
3	2055.1319	41.98	-2.51	39.47	74.00	-34.53	Horizontal
4	2373.6717	41.73	-1.11	40.62	74.00	-33.38	Horizontal
5	2501.1876	45.06	-0.44	44.62	74.00	-29.38	Horizontal
6	2859.7325	40.96	0.13	41.09	74.00	-32.91	Horizontal

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 4. Peak: Peak detector.
- 5. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



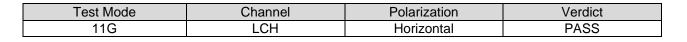


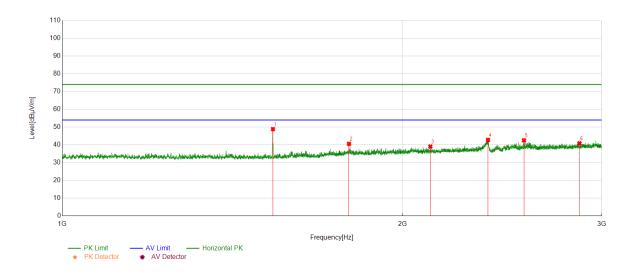


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	1535.817	57.07	-5.75	51.32	74.00	-22.68	Vertical
2	1792.099	45.93	-3.76	42.17	74.00	-31.83	Vertical
3	2121.8902	44.30	-2.39	41.91	74.00	-32.09	Vertical
4	2301.1626	47.48	-1.83	45.65	74.00	-28.35	Vertical
5	2506.9384	43.75	-0.41	43.34	74.00	-30.66	Vertical
6	2966.7458	40.48	1.06	41.54	74.00	-32.46	Vertical

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 4. Peak: Peak detector.
- 5. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.







No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	[MHz]	[dBuV/m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
1	1397.2500	45.27	-5.69	39.58	74.00	-34.42	Horizontal
2	1800.0000	47.90	-3.85	44.05	74.00	-29.95	Horizontal
3	2337.7500	51.98	-1.81	50.17	74.00	-23.83	Horizontal
4	2373.5000	54.07	-1.11	52.96	74.00	-21.04	Horizontal
5	2499.2500	48.38	-0.45	47.93	74.00	-26.07	Horizontal
6	2927.0000	43.63	0.56	44.19	74.00	-29.81	Horizontal

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.
- 4. Peak: Peak detector.
- 5. For below 3GHz part, filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
- 6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.