

Test report No:
25A0670R.705

FCC TEST REPORT

Product Name	Mobile Phone
Model and /or type reference	25128RN17L
Trademark	REDMI
FCC ID	2AFZZ8RN17L
Applicant's name / address	Xiaomi Communications Co., Ltd. #019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085
Test method requested, standard	FCC CFR Title 47 Part 2 & 22 & 24 & 27 & 90 ANSI C63.26: 2015 ANSI/TIA-603-E: 2016
Verdict Summary	IN COMPLIANCE
Documented by (name / position & signature)	Tim Cao / Project Manager 
Approved by (name / position & signature)	Frank He / Technical Manager 
Date of issue	2025-11-25
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Report template No	Template_Part 22&24&27-RF-V1.0

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COMPETENCES AND GUARANTEES

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The results presented in this Test Report apply only to the particular item under test established in this document.

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GENERAL CONDITIONS

Test Location	No. 99, Hongye Road, Suzhou Industrial Park Suzhou, 215006, P.R. China
Test Facility	A2LA (Certificate No. 3235.01) CNAS (Certificate No. L5313) FCC - Designation Number: CN1199 Test Firm Registration Number: 566524 ISED - CAB identifier: CN0040 IC#: 4075B
Date(receive sample)	Oct. 20, 2025
Date (start test)	Oct. 21, 2025
Date (finish test)	Nov. 21, 2025

1. This report is only referred to the item that has undergone the test.
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DOCUMENT HISTORY

Report No.	Version	Description	Issued Date
25A0670R.705	V1.0	Initial issue of report.	2025-11-25

TEST SUMMARY

GSM850, WCDMA Band 5, LTE band 5, LTE band 26(824~849 MHz):

FCC Part 22			
Requirement – Test case	Basic standard(s)	Verdict	Remark
Effective (Isotropic) Radiated Power Output Data	Section 22.913	PASS	N/A
Peak-Average Ratio	Section 22.913	PASS	N/A
Bandwidth	Section 2.1049	PASS	N/A
Band Edges Compliance	Section 22.917	PASS	N/A
Spurious Emission at Antenna Terminals	Section 22.917	PASS	N/A
Field Strength of Spurious Radiation	Section 22.917	PASS	N/A
Frequency Stability	Section 22.355	PASS	N/A
Note: The radiation measurement is pre tested under X, Y, and Z axis positioning to find the worst placement for final testing.			

GSM1900, WCDMA Band 2, LTE band 2:

FCC Part 24			
Requirement – Test case	Basic standard(s)	Verdict	Remark
Effective (Isotropic) Radiated Power Output Data	Section 24.232	PASS	N/A
Peak-Average Ratio	Section 24.232	PASS	N/A
Bandwidth	Section 2.1049	PASS	N/A
Band Edges Compliance	Section 24.238	PASS	N/A
Spurious Emission at Antenna Terminals	Section 24.238	PASS	N/A
Field Strength of Spurious Radiation	Section 24.238	PASS	N/A
Frequency Stability	Section 24.235	PASS	N/A
Note: The radiation measurement is pre tested under X, Y, and Z axis positioning to find the worst placement for final testing.			

LTE band 4/7/13/38/41/66:

FCC Part 27			
Requirement – Test case	Basic standard(s)	Verdict	Remark
Effective (Isotropic) Radiated Power Output Data	Section 27.50	PASS	N/A
Peak-Average Ratio	--	PASS	N/A
Bandwidth	Section 2.1049	PASS	N/A
Band Edges Compliance	Section 27.53	PASS	N/A
Spurious Emission at Antenna Terminals	Section 27.53	PASS	N/A
Field Strength of Spurious Radiation	Section 27.53	PASS	N/A
Frequency Stability	Section 27.54	PASS	N/A
Note: The radiation measurement is pre tested under X, Y, and Z axis positioning to find the worst placement for final testing.			

LTE Band 26(814~824 MHz)

FCC Part 90			
Requirement – Test case	Basic standard(s)	Verdict	Remark
Effective (Isotropic) Radiated Power Output Data	Section 90.635	PASS	N/A
Peak-Average Ratio	--	PASS	N/A
Bandwidth	Section 2.1049	PASS	N/A
Emission Mask	Section 90.691	PASS	N/A
Spurious Emission at Antenna Terminals	Section 90.691	PASS	N/A
Field Strength of Spurious Radiation	Section 90.691	PASS	N/A
Frequency Stability	Section 27.54	PASS	N/A
Note: The radiation measurement is pre tested under X, Y, and Z axis positioning to find the worst placement for final testing.			

USED EQUIPMENT

Part 22 & 24 & 27 & 90 Test System / TR7

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Wideband Radio Communication Tester	R&S	CMW 500	170870	2025.05.10	2026.05.09
Signal analyzer	R&S	FSV30	104212	2025.05.10	2026.05.09
ESG Vector Signal Generator	Agilent	E4438C	MY49070163	2024.10.19	2025.10.18
PSG Analog Signal Generator	Agilent	E8257D	MY44321116	2025.01.11	2026.01.10
Test Software	Tonscend	JS1120	JS1120-8	N/A	N/A

Radiated Emission / AC6

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Anechoic chamber	Quietek	9m*5.5m*5.5m	AC6	2024.06.30	2027.06.29
Signal Analyzer	Agilent	N9010A	MY55370495	2025.09.14	2026.09.13
DRG Horn Antenna	RFSPIN	DRH18-E	CE2C07A18EN	2024.12.07	2025.12.06
Broad-Band Horn Antenna	SCHWARZBECK	BBHA 9170	750	2024.11.24	2025.11.23
Pre-Amplifier	Schwarzbeck	BBV 9721	'00114	2025.05.17	2026.05.16
TRILOG Broadband Antenna	SCHWARZBECK	VULB 9168	1231	2025.05.28	2026.05.27
Temperature/Humidity Meter	RTS	RTS-8S	RF07	2025.06.17	2026.06.16
Temperature/Humidity Meter	RTS	RTS-8S	RF04	2025.06.17	2026.06.16
Pre-amplifier	Tonscend	TAP01008028	806JSAP041204251019	2025.05.17	2026.05.16
Pre-amplifier	Tonscend	TAP01018048S	806JSAP040204251009	2025.05.17	2026.05.16
Wideband Radio Communication Tester	R&S	CMW 500	170870	2025.05.10	2026.05.09
Test Software	Tonscend	JS36	JS36-RSE	N/A	N/A

UNCERTAINTY

Uncertainties have been calculated according to the DEKRA internal document. The reported expanded uncertainties are based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95%. The Uncertainties is comply with standard required as below.

Test item	Uncertainty
RF Output Power	± 1.2 dB
Frequency Stability	± 10 Hz
Occupied Bandwidth	± 10 Hz
Spurious Emissions at antenna terminals	± 1.2 dB
Spurious Emissions at antenna terminals at Block Edges	± 1.2 dB
Radiated Emission(30MHz~1GHz)	Horizontal: 30MHz~200MHz: 4.60 dB 200MHz~1GHz: 4.10 dB Vertical: 30MHz~200MHz: 4.80 dB 200MHz~1GHz: 4.10 dB
Radiated Emission(1GHz~40GHz)	Horizontal: 1GHz~18GHz: 5.00 dB Vertical: 1GHz~18GHz: 4.80 dB Horizontal: 18GHz~40GHz: 4.70 dB Vertical: 18GHz~40GHz: 4.60 dB

1 GENERAL INFORMATION

Product Name:	Mobile Phone	
Model Name:	25128RN17L	
Trademark.:	REDMI	
FCC ID:	2AFZZ8RN17L	
Power Supply:	3.86 Vdc, EUT is equipped with an adapter to power it via AC/DC.	
Hardware Version:	135100502	
Software Version:	Xiaomi HyperOS 3.0	
Manufacturer:	Xiaomi Communications Co., Ltd.	
Manufacturer Address:	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085	
Test Matrix/ IMEI:	RF Conducted	863426080042628 863426080042636
	RSE	863426080042321 863426080042339
Wireless specification:	GSM	
Support Band(s) :	GSM 850, GSM 1900	
Uplink Frequency:	GSM 850: 824.2-848.8 MHz GSM1900: 1850.2-1909.8 MHz	
Downlink Frequency:	GSM 850: 869.2-893.8 MHz GSM1900: 1930.2-1989.8 MHz	
Type of Modulation:	GSM, GPRS, EGPRS	
Wireless specification:	WCDMA	
Support Band(s) :	Band 2, Band 4, Band 5	
Uplink Frequency:	Band 2: 1850-1910 MHz Band 4: 1710-1755 MHz Band 5: 824-849 MHz	
Downlink Frequency:	Band 2: 1930-1990 MHz Band 4: 2110-2155 MHz Band 5: 869-894 MHz	
Type of Modulation:	Downlink modulation: QPSK & 16QAM & 64QAM Uplink modulation: QPSK & 16QAM	
Wireless specifiction:	LTE	
Support Band(s)	Band2/4/5/7/13/26/38/41/66	
Uplink Frequency	Band 2: 1850-1910 MHz Band 4: 1710-1755 MHz Band 5: 824-849 MHz Band 7: 2500-2570 MHz Band 12: 699-716 MHz Band 13: 777-787 MHz Band 25: 1850-1915 MHz Band 26: 814-824MHz, 824-849 MHz Band 38: 2570-2620 MHz Band 41: 2496-2690 MHz Band 66: 1710-1780 MHz	
Downlink Frequency	Band 2: 1930-1990 MHz	

	Band 4: 2110-2155 MHz Band 5: 869-894 MHz Band 7: 2620-2690 MHz Band 12: 729-746 MHz Band 13: 746-756 MHz Band 25: 1930-1995 MHz Band 26: 859-869 MHz, 869-894 MHz Band 38: 2570-2620 MHz Band 41: 2496-2690 MHz Band 66: 2110-2200 MHz		
Type of Modulation:	Downlink modulation: QPSK & 16QAM & 64QAM Uplink modulation: QPSK & 16QAM & 64QAM		
Antenna Delivery :	☒	1TX + 1RX	
	☒	1TX + 2RX	
Antenna technology:	☒	SISO	
	☐	MIMO	
Antenna Type:	PIFA Antenna		
Antenna Gain:	Band	ANT 0 (dBi)	ANT 1 (dBi)
	GSM 850	-6.19	-4.18
	GSM 1900	-0.64	-0.06
	WCDMA II	-0.64	-0.06
	WCDMA IV	-1.64	-0.49
	WCDMA V	-6.19	-4.18
	LTE Band 2	-0.64	-0.06
	LTE Band 4	-1.64	-0.49
	LTE Band 5	-6.19	-4.18
	LTE Band 7	-1.11	1.50
	LTE Band 13	-6.0	-7.83
	LTE Band 26	-6.19	-4.18
	LTE Band 38	-1.5	1.13
	LTE Band 41	1.50	-1.11
	LTE Band 66	-1.64	-0.49
Remark: As above information is provided and confirmed by the applicant. DEKRA is not liable to the accuracy, suitability, reliability or/and integrity of the information.			

1.1 Test Frequencies

GSM:

GSM Band	Channel/ Frequency (MHz)	Channel & Frequency(MHz)		
		Lowest	Middle	Highest
850	Channel	128	190	251
	Frequency	824.2	836.6	848.8
1900	Channel	512	661	810
	Frequency	1850.2	1880.0	1909.8

WCDMA:

Test Mode	TX / RX	RF Channel		
		Low (L)	Middle (M)	High (H)
WCDMA Band II	TX	Channel 9262	Channel 9400	Channel 9538
		1852.4 MHz	1880.0 MHz	1907.6 MHz
	RX	Channel 9662	Channel 9800	Channel 9938
		1932.4 MHz	1960.0 MHz	1987.6 MHz
Test Mode	TX / RX	RF Channel		
		Low (L)	Middle (M)	High (H)
WCDMA Band IV	TX	Channel 1312	Channel 1413	Channel 1513
		1712.4MHz	1732.6 MHz	1752.6 MHz
	RX	Channel 1537	Channel 1638	Channel 1738
		2112.4 MHz	2132.6 MHz	2152.6 MHz
Test Mode	TX / RX	RF Channel		
		Low (L)	Middle (M)	High (H)
WCDMA Band V	TX	Channel 4132	Channel 4182	Channel 4233
		826.4MHz	836.4 MHz	846.6 MHz
	RX	Channel 4357	Channel 4407	Channel 4458
		871.4 MHz	881.4 MHz	891.6 MHz

LTE:

Test Mode	Bandwidth	TX / RX	RF Channel		
			Low (L)	Middle (M)	High (H)
LTE Band 2	1.4MHz	TX	Channel 18607	Channel 18900	Channel 19193
			1850.7 MHz	1880 MHz	1909.3 MHz
		RX	Channel 607	Channel 900	Channel 1193
			1930.7 MHz	1960 MHz	1989.3 MHz
	3MHz	TX	Channel 18615	Channel 18900	Channel 19185
			1851.5 MHz	1880 MHz	1908.5 MHz
		RX	Channel 615	Channel 900	Channel 1185
			1931.5 MHz	1960 MHz	1988.5 MHz
	5MHz	TX	Channel 18625	Channel 18900	Channel 19175
			1852.5 MHz	1880 MHz	1907.5 MHz
		RX	Channel 625	Channel 900	Channel 1175
			1932.5 MHz	1960 MHz	1987.5 MHz
	10MHz	TX	Channel 18650	Channel 18900	Channel 19150
			1855 MHz	1880 MHz	1905 MHz
		RX	Channel 650	Channel 900	Channel 1150
			1935 MHz	1960 MHz	1985 MHz
	15MHz	TX	Channel 18675	Channel 18900	Channel 19125
			1857.5 MHz	1880 MHz	1902.5 MHz
		RX	Channel 675	Channel 900	Channel 1125
			1937.5 MHz	1960 MHz	1982.5 MHz
	20MHz	TX	Channel 18700	Channel 18900	Channel 19100
			1860 MHz	1880 MHz	1900 MHz

		RX	Channel 700 1940 MHz	Channel 900 1960 MHz	Channel 1100 1980 MHz
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Test Mode	Bandwidth	TX / RX	RF Channel		
			Low (L)	Middle (M)	High (H)
LTE Band 4	1.4MHz	TX	Channel 19957 1710.7 MHz	Channel 20175 1732.5 MHz	Channel 20393 1754.3 MHz
			Channel 1975 2112.5 MHz	Channel 2175 2132.5MHz	Channel 2375 2152.5 MHz
	3MHz	TX	Channel 19965 1711.5 MHz	Channel 20175 1732.5 MHz	Channel 20385 1753.5 MHz
			Channel 2000 2115 MHz	Channel 2175 2132.5MHz	Channel 2350 2150 MHz
	5MHz	TX	Channel 19975 1712.5 MHz	Channel 20175 1732.5 MHz	Channel 20375 1752.5 MHz
			Channel 1975 2112.5 MHz	Channel 2175 2132.5MHz	Channel 2375 2152.5 MHz
	10MHz	TX	Channel 20000 1715 MHz	Channel 20175 1732.5 MHz	Channel 20350 1750 MHz
			Channel 2000 2115 MHz	Channel 2175 2132.5MHz	Channel 2350 2150 MHz
	15MHz	TX	Channel 20025 1717.5 MHz	Channel 20175 1732.5 MHz	Channel 20325 1747.5 MHz
			Channel 2025 2117.5 MHz	Channel 2175 2132.5MHz	Channel 2325 2147.5 MHz
	20MHz	TX	Channel 20050 1720 MHz	Channel 20175 1732.5 MHz	Channel 20300 1745 MHz
			Channel 2050 2120 MHz	Channel 2175 2132.5MHz	Channel 2300 2145 MHz

Test Mode	Bandwidth	TX / RX	RF Channel		
			Low (L)	Middle (M)	High (H)
LTE Band 5	1.4MHz	TX	Channel 20407 824.7 MHz	Channel 20525 836.5 MHz	Channel 20643 848.3 MHz
			Channel 2407 869.7 MHz	Channel 2525 881.5 MHz	Channel 2643 893.3 MHz
	3MHz	TX	Channel 20415 825.5 MHz	Channel 20525 836.5 MHz	Channel 20635 847.5 MHz
			Channel 2415 870.5 MHz	Channel 2525 881.5 MHz	Channel 2635 892.5 MHz
	5MHz	TX	Channel 20425 826.5 MHz	Channel 20525 836.5 MHz	Channel 20625 846.5 MHz
			Channel 2425 871.5 MHz	Channel 2525 881.5 MHz	Channel 2625 891.5 MHz
	10MHz	TX	Channel 20450 829 MHz	Channel 20525 836.5 MHz	Channel 20600 844 MHz
			Channel 2450 874 MHz	Channel 2525 881.5 MHz	Channel 2600 889 MHz

Test Mode	Bandwidth	TX / RX	RF Channel		
			Low (L)	Middle (M)	High (H)
LTE Band 7	5MHz	TX	Channel 20775 2502.5 MHz	Channel 21100 2535 MHz	Channel 21425 2567.5 MHz
			Channel 2775 2622.5 MHz	Channel 3100 2655 MHz	Channel 5825 2687.5 MHz
	10MHz	TX	Channel 20800 2505 MHz	Channel 21100 2535 MHz	Channel 21400 2565 MHz

	15MHz	RX	Channel 2800	Channel 3100	Channel 3400
			2625 MHz	2655 MHz	2685 MHz
		TX	Channel 20825	Channel 21100	Channel 21375
			2507.5 MHz	2535 MHz	2562.5 MHz
	20MHz	RX	Channel 2825	Channel 3100	Channel 3375
			2627.5 MHz	2655 MHz	2682.5 MHz
		TX	Channel 20850	Channel 21100	Channel 21350
			2510 MHz	2535 MHz	2560 MHz
		RX	Channel 2850	Channel 3100	Channel 3350
			2630 MHz	2655 MHz	2680 MHz

Test Mode	Bandwidth	TX / RX	RF Channel		
			Low (L)	Middle (M)	High (H)
LTE Band 13	5MHz	TX	Channel 23025	Channel 23230	Channel 23255
			779.5 MHz	782 MHz	784.5 MHz
		RX	Channel 5205	Channel 5230	Channel 5255
			748.5 MHz	751 MHz	753.5 MHz
	10MHz	TX	Channel 23230	Channel 23230	Channel 23230
			782 MHz	782 MHz	782 MHz
		RX	Channel 5230	Channel 5230	Channel 5230
			751 MHz	751 MHz	751 MHz

Test Mode	Bandwidth	TX / RX	RF Channel		
			Low (L)	Middle (M)	High (H)
LTE Band 17	5MHz	TX	Channel 23755	Channel 23790	Channel 23825
			706.5 MHz	710 MHz	713.5 MHz
		RX	Channel 5755	Channel 5790	Channel 5825
			736.5 MHz	740 MHz	743.5 MHz
	10MHz	TX	Channel 23780	Channel 23790	Channel 23800
			709 MHz	710 MHz	711 MHz
		RX	Channel 5780	Channel 5790	Channel 5800
			739 MHz	740 MHz	741 MHz

Test Mode	Bandwidth	TX / RX	RF Channel		
			Low (L)	Middle (M)	High (H)
LTE Band 26 (814-824)	1.4MHz	TX	Channel 26697	Channel 26740	Channel 26783
			814.7 MHz	819 MHz	823.3 MHz
		RX	Channel 8697	Channel 8740	Channel 8783
			859.7 MHz	864MHz	868.3 MHz
	3MHz	TX	Channel 26705	Channel 26740	Channel 26775
			815.5 MHz	819 MHz	822.5 MHz
		RX	Channel 8705	Channel 8740	Channel 8775
			860.5 MHz	864MHz	867.5 MHz
	5MHz	TX	Channel 26715	Channel 26740	Channel 26765
			816.5 MHz	819 MHz	821.5 MHz
		RX	Channel 8715	Channel 8740	Channel 8755
			861.5 MHz	864MHz	866.5 MHz
	10MHz	TX	Channel 26740	Channel 26740	Channel 26740
			819 MHz	819 MHz	819 MHz
		RX	Channel 8740	Channel 8740	Channel 8740
			864MHz	864MHz	864MHz

Test Mode	Bandwidth	TX / RX	RF Channel		
			Low (L)	Middle (M)	High (H)
LTE Band 26 (824-849)	1.4MHz	TX	Channel 26797	Channel 26915	Channel 27033
			824.7 MHz	836.5 MHz	848.3 MHz
		RX	Channel 8697	Channel 8915	Channel 9033
			859.7 MHz	881.5 MHz	893.3 MHz
	3MHz	TX	Channel 26805	Channel 26915	Channel 27025
			825.5 MHz	836.5 MHz	847.5 MHz
		RX	Channel 8805	Channel 8915	Channel 9025
			860.5 MHz	881.5 MHz	892.5 MHz
	5MHz	TX	Channel 26815	Channel 26915	Channel 27015
			826.5 MHz	836.5 MHz	846.5 MHz
		RX	Channel 8815	Channel 8915	Channel 9015
			871.5 MHz	881.5 MHz	891.5 MHz
	10MHz	TX	Channel 26840	Channel 26915	Channel 26990
			829 MHz	836.5 MHz	844 MHz
		RX	Channel 8840	Channel 8915	Channel 8990
			874 MHz	881.5 MHz	889 MHz
	15MHz	TX	Channel 26865	Channel 26915	Channel 26965
			831.5 MHz	836.5 MHz	841.5 MHz
		RX	Channel 8865	Channel 8915	Channel 8965
			876.5 MHz	881.5 MHz	886.5 MHz

Test Mode	Bandwidth	TX / RX	RF Channel		
			Low (L)	Middle (M)	High (H)
LTE Band 38	5MHz	TX/RX	Channel 37775	Channel38000	Channel 38225
			2572.5 MHz	2595 MHz	2617.5 MHz
	10MHz	TX/RX	Channel 37800	Channel38000	Channel 38200
			2575 MHz	2595 MHz	2615 MHz
	15MHz	TX/RX	Channel 37825	Channel38000	Channel 38175
			2577.5 MHz	2595 MHz	2612.5 MHz
	20MHz	TX/RX	Channel 37850	Channel38000	Channel 38150
			2580 MHz	2595 MHz	2610 MHz

Test Mode	Bandwidth	TX / RX	RF Channel		
			Low (L)	Middle (M)	High (H)
LTE Band 41 (2496-2690)	5MHz	TX / RX	Channel 39675	Channel40620	Channel 41565
			2498.5 MHz	2593 MHz	2687.5 MHz
	10MHz	TX / RX	Channel 39700	Channel40620	Channel 41540
			2501 MHz	2593 MHz	2685 MHz
	15MHz	TX / RX	Channel 39725	Channel40620	Channel 41515
			2503.5 MHz	2593 MHz	2682.5 MHz
	20MHz	TX / RX	Channel 39750	Channel40620	Channel 41490
			2506 MHz	2593 MHz	2680 MHz

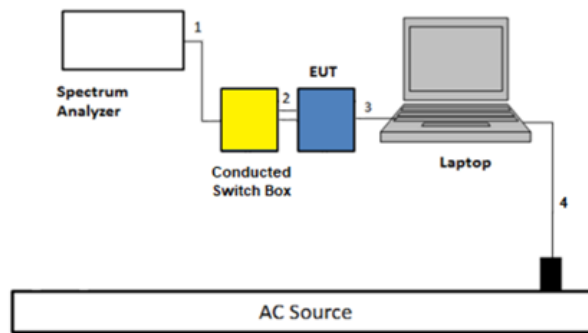
Test Mode	Bandwidth	TX / RX	RF Channel		
			Low (L)	Middle (M)	High (H)
LTE Band 66	1.4MHz	TX	Channel 131979	Channel 132322	Channel 132665
			1710.7 MHz	1745 MHz	1779.3 MHz
		RX	Channel 66443	Channel 66786	Channel 67329
			2110.7 MHz	2145MHz	2199.3 MHz
	3MHz	TX	Channel 131987	Channel 132322	Channel 132657
			1711.5 MHz	1745 MHz	1778.5MHz
		RX	Channel 66451	Channel 66786	Channel 67321
			2111.5 MHz	2145MHz	2198.5MHz
	5MHz	TX	Channel 131997	Channel 132322	Channel 132647
			1712.5 MHz	1745 MHz	1777.5 MHz
		RX	Channel 66461	Channel 66786	Channel 67311
			2112.5 MHz	2145MHz	2197.5 MHz
	10MHz	TX	Channel 132022	Channel 132322	Channel 132622
			1715 MHz	1745 MHz	1775 MHz
		RX	Channel 66486	Channel 66786	Channel 67286
			2115 MHz	2145MHz	2195 MHz
	15MHz	TX	Channel 132047	Channel 132322	Channel 132597
			1717.5 MHz	1745 MHz	1772.5 MHz
		RX	Channel 66511	Channel 66786	Channel 67261
			2117.5 MHz	2145MHz	2192.5 MHz
	20MHz	TX	Channel 132072	Channel 132322	Channel 132572
			1720 MHz	1745 MHz	1770 MHz
		RX	Channel 66536	Channel 66786	Channel 67236
			2120 MHz	2145MHz	2190 MHz

1.2 Test Environment

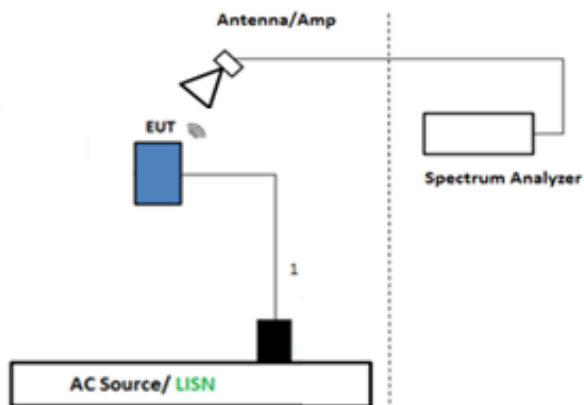
Value	Temperature(°C)	Voltage(V)
NTNV	25	3.86V
LTLV	0	3.60V
LTHV	0	4.30V
HTLV	40	3.60V
HTHV	40	4.30V
Remark: NV: Normal Voltage NT: Normal Temperature LT: Low Extreme Test Temperature HT: High Extreme Test Temperature LV: Low Extreme Test Voltage HV: High Extreme Test Voltage		
Note: The EUT was tested with a Simulation battery supplied by Adjustable DC power supply.		

2 DESCRIPTION OF TEST SETUP

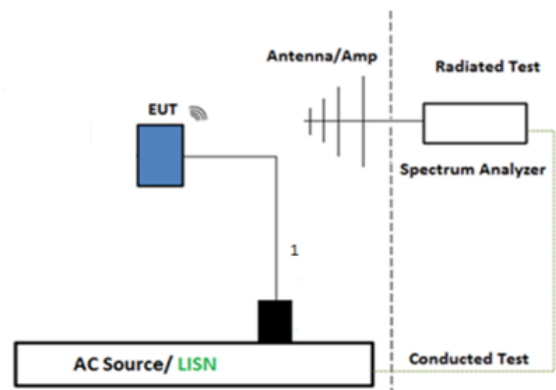
Auxiliary equipment	Type / Version	Manufacturer	Supplied by
(1) Notebook	Think pad x220	Lenovo	Adapter
(2) Ethernet cable	N/A	N/A	N/A
(3) Ethernet cable	N/A	N/A	N/A
Software	Type / Version	Manufacturer	Supplied by
N/A	N/A	N/A	N/A



Conducted RF



Radiated Test Above 1GHz



Radiated Test Below 1GHz

Accessories Information	Cable		
	Length used during test [m]	Attached during test	Shielded
N/A	1	☒	☒
N/A	8	☒	☒

3 VERDICT SUMMARY SECTION

This chapter presents an overview of standards and results. Refer to the next chapters for details of measured test results and applied test levels.

3.1 Standards

Standard	Year	Description
FCC CFR Title 47 Part 2	2025	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
FCC CFR Title 47 Part 22	2025	Public Mobile Services
FCC CFR Title 47 Part 24	2025	Personal Communications Services
FCC CFR Title 47 Part 27	2025	Miscellaneous Wireless Communications Services
FCC CFR Title 47 Part 90	2025	Private Land Mobile Radio Services
ANSI C63.26	2015	American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services
ANSI TIA-603-E	2016	Land Mobile FM or PM Communications Equipment Measurement and performance Standards
KDB971168 D01 v03r01	2018	Measurement Guidance for Certification of Licensed Digital Transmitters
KDB971168 D02 v02r01	2023	Miscellaneous and Basic Review and Approval Items for Transmitting Equipment Used in Licensed Radio Services

3.2 Deviation(s) from the Standard(s) / Test Specification(s)

The following deviation(s) was / were made from the published requirements of the listed standards: N/A.

(Please define the deviations from the standard(s) if applicable)

4 TEST ITEMS OF LIMIT/SETUP/PROCEDURE/ TEST DATA

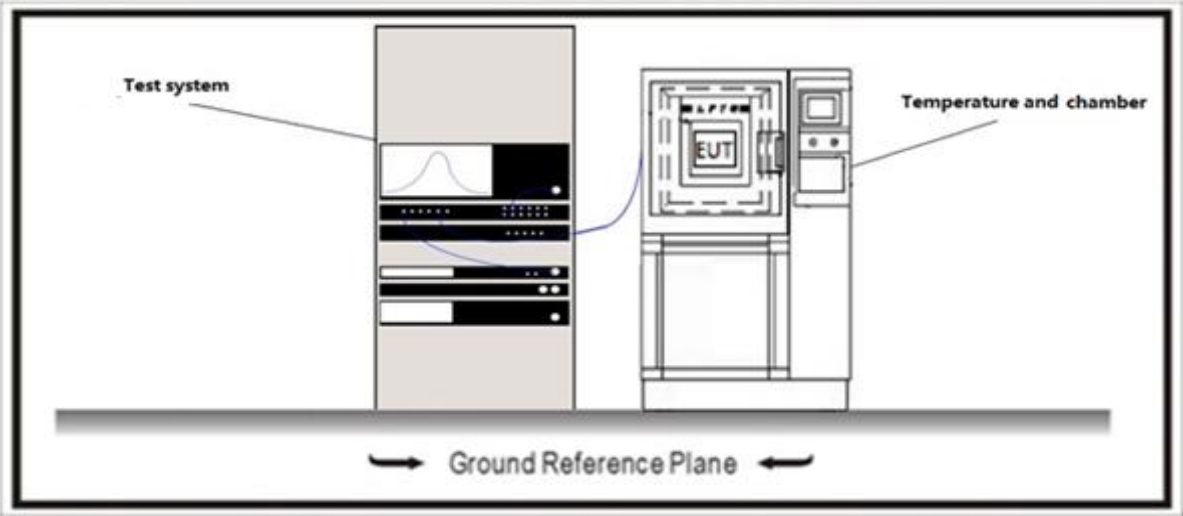
4.1 Effective (Isotropic) Radiated Power Output

VERDICT: PASS

4.1.1 Limit

Band	Standard
GSM850; WCDMA Band 5; LTE Band 5; LTE band 26(824~849MHz)	§2.1046, §22.913(a)(5): ERP ≤ 7 W
GSM1900; WCDMA Band 2; LTE Band 2;	§2.1046, §24.232(c): EIRP ≤ 2 W
LTE Band 13	§2.1046, §27.50(b)(10): ERP ≤ 3 W
LTE Band 4/66	§2.1046, §27.50(d)(4): EIRP ≤ 1 W
LTE Band 7/38/41	§2.1046, §27.50(h)(2): EIRP ≤ 2W
LTE Band 26(814~824 MHz)	§2.1046, §90.635(b): ERP < 100 W.

4.1.2 Test Setup



4.1.3 Test Procedure

	References Rule	Chapter	Item
☒	ANSI C63.26-2015	5.2	RF output power measurement procedures

The conducted RF Output Power measurements were made at the RF output terminals of the EUT using the power meter of the Universal Radio Communication tester R&S CMW500, selecting maximum transmission power of the EUT and different modes of modulation.

Peak to average ratio(PAPR) is used equation $PAPR(dB)=PPK(dBm)-PAVG(dBm)$, where PPK is measured peak power, and PAVG is measured average power.

The maximum equivalent isotropically radiated power(e.i.r.p.) is calculated by adding the declared maximum antenna gain(dBi).

The maximum effective radiated power e.r.p. is calculated form the maximum equivalent isotropically radiated power(e.i.r.p.) by subtracting 2.15 dB: $E.R.P = E.I.R.P. - 2.15\text{ dB}$

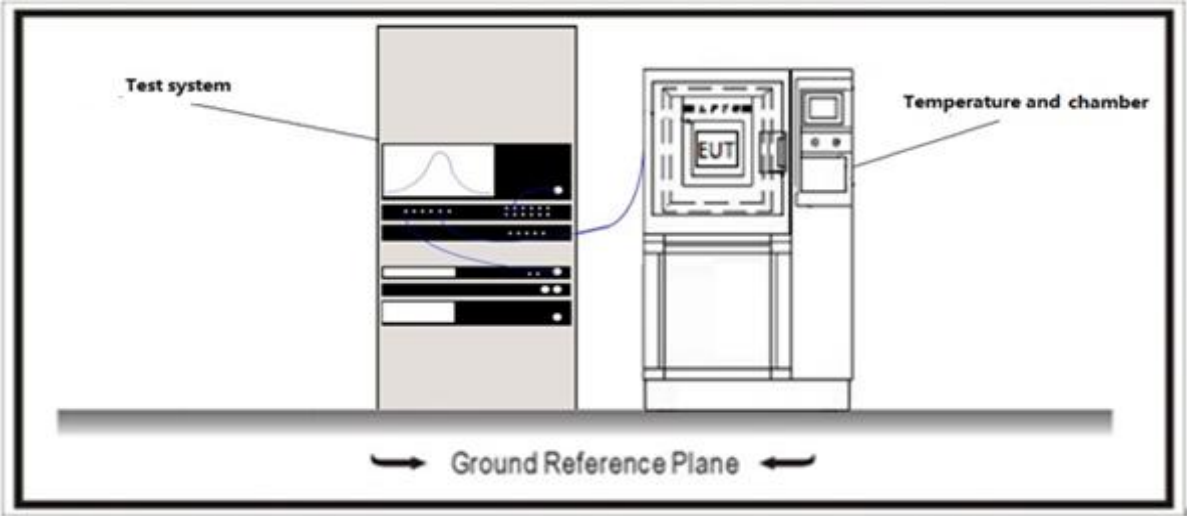
4.1.4 Test data

Please refer to the appendix for test data

4.2 Peak-to-Average Ratio(CCDF)**VERDICT: PASS****4.2.1 Limit**

Band	Standard
GSM850; WCDMA Band 5; LTE Band 5; LTE band 26(824~849MHz)	§22.913(d): Limit≤13 dB
GSM1900; WCDMA Band 2; LTE Band 2 LTE Band 25	§24.232(d): Limit≤13 dB
LTE Band 4/66	§27.50(d)(5): Limit≤13 dB
LTE Band 13	Limit≤13 dB
LTE Band 7/38/41	≤13 dB
LTE Band 26(814~824 MHz)	Limit≤13 dB

4.2.2 Test Setup



4.2.3 Test Procedure

	References Rule	Chapter	Item
☒	ANSI C63.26-2015	5.2	RF output power measurement procedures
The conducted RF Output Power measurements were made at the RF output terminals of the EUT using the power meter of the Universal Radio Communication tester R&S CMW500, selecting maximum transmission power of the EUT and different modes of modulation. Peak to average ratio(PAPR) is used equation $PAPR(dB)=PPK(dBm)-PAVG(dBm)$, where PPK is measured peak power, and PAVG is measured average power. The maximum equivalent isotropically radiated power(e.i.r.p.) is calculated by adding the declared maximum antenna gain(dBi). The maximum effective radiated power e.r.p. is calculated form the maximum equivalent isotropically radiated power(e.i.r.p.) by subtracting 2.15 dB: $E.R.P = E.I.R.P. - 2.15\text{ dB}$			

4.2.4 Test data

Band	Test Data
GSM850	Please refer to Appendi GSM850
GSM1900	Please refer to Appendi GSM1900
WCDMA Band2	Please refer to Appendi WCDMA Band2
WCDMA Band4	Please refer to Appendi WCDMA Band4
WCDMA Band5	Please refer to Appendi WCDMA Band5
LTE Band2	Please refer to Appendi LTE Band2
LTE Band4	Please refer to Appendi LTE Band4
LTE Band5	Please refer to Appendi LTE Band5
LTE Band7	Please refer to Appendi LTE Band7
LTE Band13	Please refer to Appendi LTE Band13
LTE Band26(814~824)	Please refer to Appendi LTE Band26(814~824)
LTE Band26(824~849)	Please refer to Appendi LTE Band26(824~849)
LTE Band38	Please refer to Appendi LTE Band38
LTE Band41	Please refer to Appendi LTE Band41
LTE Band66	Please refer to Appendi LTE Band66

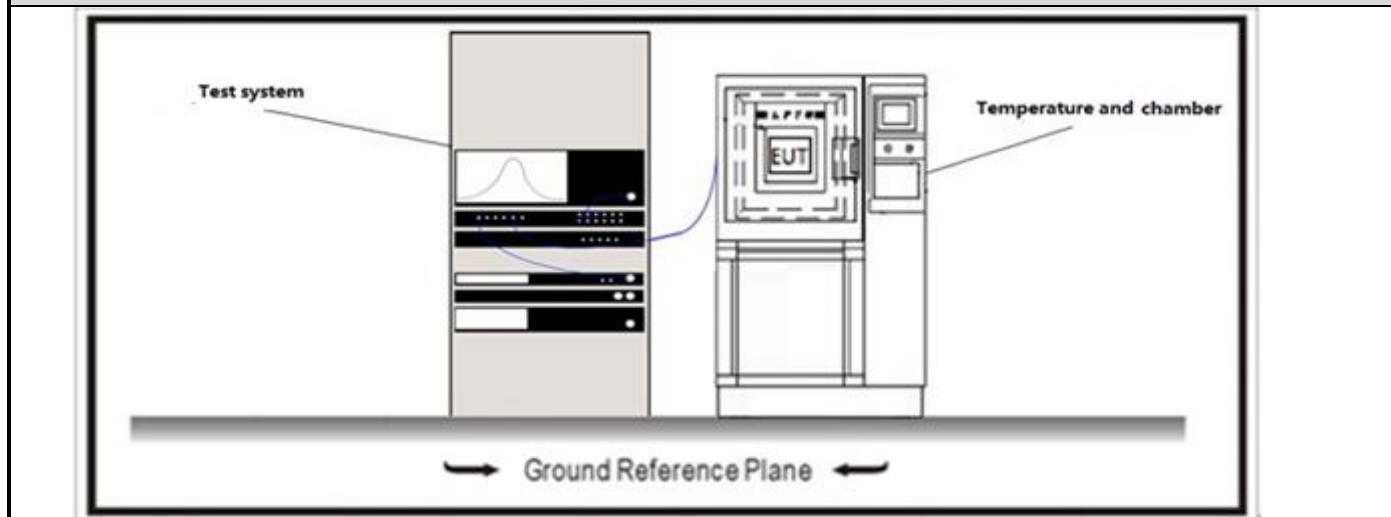
4.3 Frequency Stability

VERDICT: PASS

4.3.1 Limit

Band	Standard
GSM850; WCDMA Band 5; LTE Band 5; LTE band 26(824~849MHz)	§2.1055(a)(1)(b),§2.1055(d)(2),§22.355: $\leq \pm 2.5\text{ppm}$.
GSM1900; WCDMA Band 2; LTE Band 2	§2.1055(a)(1)(b),§2.1055(d)(2),§24.235: Within authorized bands of operation/frequency block.
LTE Band 4/66	§2.1055(a)(1)(b),§2.1055(d)(2),§27.54: Within authorized bands of operation/frequency block.
LTE Band 13	§2.1055(a)(1)(b),§2.1055(d)(2),§27.54: Within authorized bands of operation/frequency block.
LTE Band 7/38/41	§2.1055(a)(1)(b),§2.1055(d)(2),§27.54: Within authorized bands of operation/frequency block.
LTE Band 26(814~824 MHz)	§2.1055(a)(1)(b),§2.1055(d)(2),§90.213: Within authorized bands of operation/frequency block.

4.3.2 Test Setup



4.3.3 Test Procedure

	References Rule	Chapter	Description
☒	ANSI C63.26	5.6	Frequency stability testing

The frequency tolerance measurements over temperature variations were made over temperature range of -30°C to $+50^{\circ}\text{C}$. The EUT was placed inside an environmental temperature chamber and the temperature was lowered hourly in 10°C steps from $+50^{\circ}\text{C}$ to -30°C .

The supply voltage was varied between 85% and 115% of nominal voltage.

The EUT was set in "Radio Resource Control (RRC) mode" in the middle channel using the Universal Radio Communication tester R&S CMW500 and the maximum frequency error was measured using the built-in calibrated frequency meter. The worst case NB-IoT mode for conducted power was used for the test.

In order to check that the frequency stability is sufficient such that the fundamental emissions stay within the authorized bands of operation, a reference point is established at the applicable unwanted emissions limit using a RBW equal to the RBW required by the unwanted emissions specification of the applicable regulatory standard.

These reference points measured using the lowest and highest channel of operation are identified as fL and fH respectively. The worst-case frequency offset determined in the above methods is added or subtracted from the values of fL and fH to check that the resulting frequencies remain within the band.

The reference point measurements were made at the RF output terminals of the EUT using a directional coupler and spectrum analyser. The EUT was controlled via the Universal Radio Communication tester R&S CMW500 selecting maximum transmission power of the EUT and different modes of modulation.

4.3.4 Test data

Band	Test Data
GSM850	Please refer to Appendi GSM850
GSM1900	Please refer to Appendi GSM1900
WCDMA Band2	Please refer to Appendi WCDMA Band2
WCDMA Band4	Please refer to Appendi WCDMA Band4
WCDMA Band5	Please refer to Appendi WCDMA Band5
LTE Band2	Please refer to Appendi LTE Band2
LTE Band4	Please refer to Appendi LTE Band4
LTE Band5	Please refer to Appendi LTE Band5
LTE Band7	Please refer to Appendi LTE Band7
LTE Band13	Please refer to Appendi LTE Band13
LTE Band26(814~824)	Please refer to Appendi LTE Band26(814~824)
LTE Band26(824~849)	Please refer to Appendi LTE Band26(824~849)
LTE Band38	Please refer to Appendi LTE Band38
LTE Band41	Please refer to Appendi LTE Band41
LTE Band66	Please refer to Appendi LTE Band66

4.4 Occupied Bandwidth

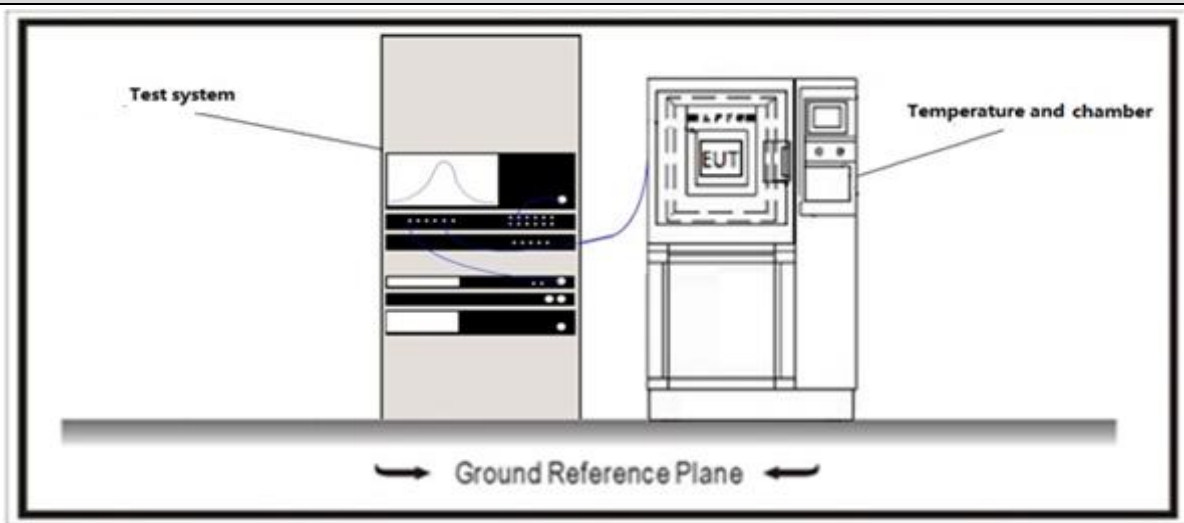
VERDICT: PASS

4.4.1 Limit

Standard

FCC §2.1049: The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission shall be measured.

4.4.2 Test Setup



4.4.3 Test Procedure

References Rule		Chapter	Description
☒	ANSI C63.26	5.4	Occupied bandwidth
The occupied bandwidth measurement was performed at the output terminals of the EUT using directional coupler and spectrum analyser. The EUT was controller via the Universal Radio Communication tester R&S CMW500 selecting maximum transmission power of the EUT and different modes of modulation. The 99% occupied bandwidth and the -26 dBc bandwidth were measured directly using the built-in bandwidth measuring option of spectrum analyser.			

4.4.4 Test data

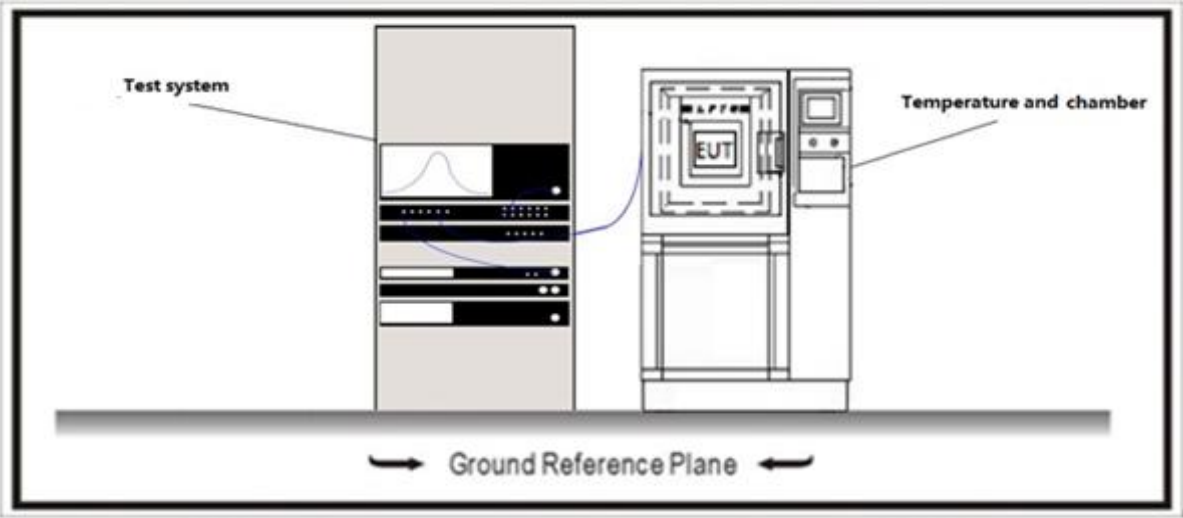
Band	Test Data
GSM850	Please refer to Appendi GSM850
GSM1900	Please refer to Appendi GSM1900
WCDMA Band2	Please refer to Appendi WCDMA Band2
WCDMA Band4	Please refer to Appendi WCDMA Band4
WCDMA Band5	Please refer to Appendi WCDMA Band5
LTE Band2	Please refer to Appendi LTE Band2
LTE Band4	Please refer to Appendi LTE Band4
LTE Band5	Please refer to Appendi LTE Band5
LTE Band7	Please refer to Appendi LTE Band7
LTE Band13	Please refer to Appendi LTE Band13
LTE Band26(814~824)	Please refer to Appendi LTE Band26(814~824)
LTE Band26(824~849)	Please refer to Appendi LTE Band26(824~849)
LTE Band38	Please refer to Appendi LTE Band38
LTE Band41	Please refer to Appendi LTE Band41
LTE Band66	Please refer to Appendi LTE Band66

4.5 Spurious Emissions at antenna terminals**VERDICT: PASS****4.5.1 Limit**

Band	Standard
GSM850; WCDMA Band 5; LTE Band 5; LTE band 26(824~849MHz)	FCC §2.1051: The radio frequency voltage or powers generated within the equipment and appearing on a spurious frequency shall be checked at the equipment output terminals when properly loaded with a suitable artificial antenna. FCC §22.917: The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.
GSM1900; WCDMA Band 2; LTE Band 2	FCC §2.1051: The radio frequency voltage or powers generated within the equipment and appearing on a spurious frequency shall be checked at the equipment output terminals when properly loaded with a suitable artificial antenna. FCC §24.238: The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.
LTE Band 13	FCC §2.1051: The radio frequency voltage or powers generated within the equipment and appearing on a spurious frequency shall be checked at the equipment output terminals when properly loaded with a suitable artificial antenna. FCC §27.53(c): For operations in the 746-758 MHz band and the 776-788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following: (1) On any frequency outside the 746-758 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB; (2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB; (3) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $76 + 10 \log(P)$ dB in a 6.25 kHz band segment, for base and fixed stations; (4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $65 + 10 \log(P)$ dB in a 6.25 kHz band segment, for mobile and portable stations; (5) Compliance with the provisions of paragraphs (c)(1) and (c)(2) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed; (6) Compliance with the provisions of paragraphs (c)(3) and (c)(4) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.
LTE Band 7/38/41	FCC §2.1051: The radio frequency voltage or powers generated within the equipment and appearing on a spurious frequency shall be checked at the equipment output terminals when properly loaded with a suitable artificial antenna. FCC §27.53(h): The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ dB.
LTE Band 4/66	FCC §2.1051: The radio frequency voltage or powers generated within the equipment and appearing on a spurious frequency shall be checked at the equipment output terminals when properly loaded with a suitable artificial antenna.

	FCC§27.53(h): $\leq -13 \text{ dBm}/1\% \cdot \text{EBW}$, in 1 MHz bands immediately outside and adjacent to the frequency block.
LTE Band 26(814~824 MHz)	FCC §2.1051: The radio frequency voltage or powers generated within the equipment and appearing on a spurious frequency shall be checked at the equipment output terminals when properly loaded with a suitable artificial antenna.
	FCC §90.691: (a) Out-of-band emission requirement shall apply only to the “outer” channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows: (1) For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $116 \text{ Log}_{10}(f/6.1)$ decibels or $50 + 10 \text{ Log}_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz. (2) For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \text{ Log}_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz. (b) When an emission outside of the authorized bandwidth causes harmful interference, the Commission may, at its discretion, require greater attenuation than specified in this section.

4.5.2 Test Setup



4.5.3 Test Procedure

References Rule		Chapter	Description
☒	ANSI C63.26	5.7	Unwanted (out-of-band and spurious) conducted emissions measurement procedures (conducted test at antenna port)

The EUT RF output connector was connected to a spectrum analyser and to the Universal Radio Communication tester R&S CMW500 (selecting maximum transmission power of the EUT and different modes of modulation) using directional coupler.

The spectrum was investigated from 9 kHz to the 10th harmonic of the highest frequency generated within the equipment.

The reading of the spectrum analyser is corrected with the attenuation loss of connection between output terminal of EUT and input of the spectrum analyser.

According to specification, the power of emissions shall be attenuated below the transmitter power (P) by a factor of at least $X + 10 \log (P)$ dB. P in watts. The specification can be interpreted as an absolute limit when the specified attenuation is actually subtracted from the maximum permissible transmitter power [i.e., $10 \log P - \{X + 10 \log P\}$], resulting in an absolute level of -X dBW [or $(-X + 30)$ dBm].

The configuration of tones and modulation which is the worst case for conducted power was used.

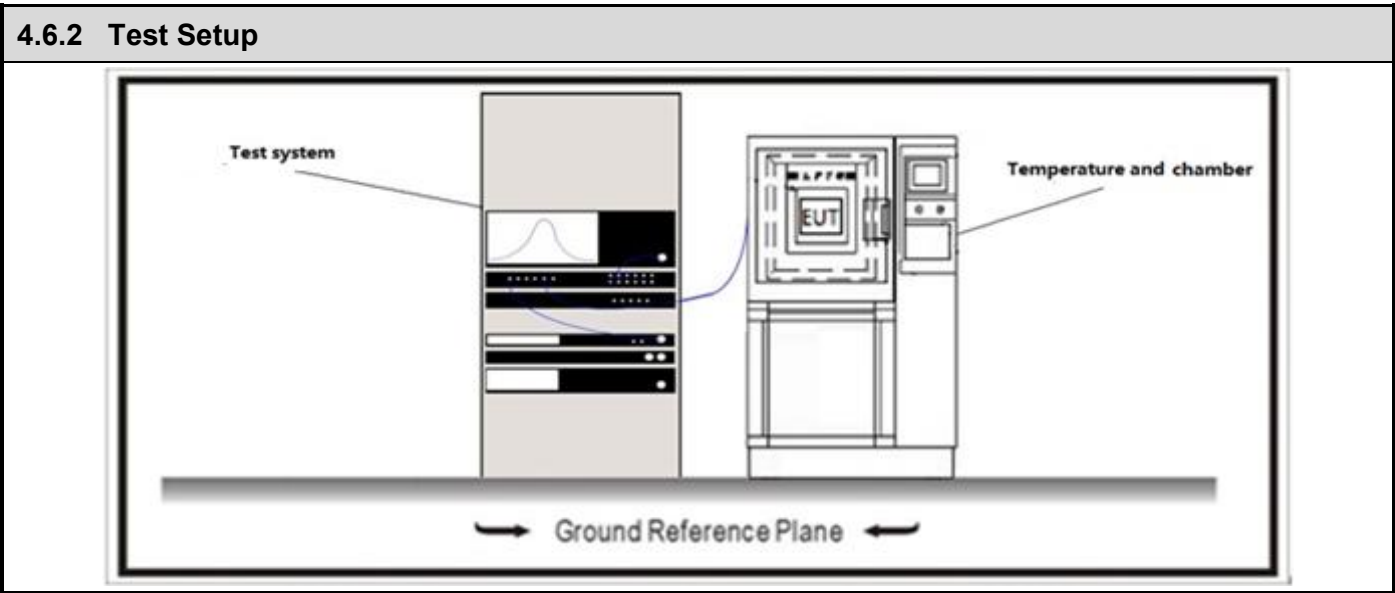
4.5.4 Test data

Band	Test Data
GSM850	Please refer to Appendi GSM850
GSM1900	Please refer to Appendi GSM1900
WCDMA Band2	Please refer to Appendi WCDMA Band2
WCDMA Band4	Please refer to Appendi WCDMA Band4
WCDMA Band5	Please refer to Appendi WCDMA Band5
LTE Band2	Please refer to Appendi LTE Band2
LTE Band4	Please refer to Appendi LTE Band4
LTE Band5	Please refer to Appendi LTE Band5
LTE Band7	Please refer to Appendi LTE Band7
LTE Band13	Please refer to Appendi LTE Band13
LTE Band26(814~824)	Please refer to Appendi LTE Band26(814~824)
LTE Band26(824~849)	Please refer to Appendi LTE Band26(824~849)
LTE Band38	Please refer to Appendi LTE Band38
LTE Band41	Please refer to Appendi LTE Band41
LTE Band66	Please refer to Appendi LTE Band66

4.6 Spurious Emissions at antenna terminals at Block Edges**VERDICT: PASS****4.6.1 Limit**

Band	Standard
GS850; WCDMA Band 5; LTE Band 5; LTE band 26(824~849MHz)	FCC §2.1051: The radio frequency voltage or powers generated within the equipment and appearing on a spurious frequency shall be checked at the equipment output terminals when properly loaded with a suitable artificial antenna. FCC §22.917: The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.
GSM1900; WCDMA Band 2; LTE Band 2;	FCC §2.1051: The radio frequency voltage or powers generated within the equipment and appearing on a spurious frequency shall be checked at the equipment output terminals when properly loaded with a suitable artificial antenna. FCC §24.238: The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.
LTE Band 13	FCC §2.1051: The radio frequency voltage or powers generated within the equipment and appearing on a spurious frequency shall be checked at the equipment output terminals when properly loaded with a suitable artificial antenna. FCC §27.53(c): For operations in the 746-758 MHz band and the 776-788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following: (1) On any frequency outside the 746-758 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB; (2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB; (3) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $76 + 10 \log(P)$ dB in a 6.25 kHz band segment, for base and fixed stations; (4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $65 + 10 \log(P)$ dB in a 6.25 kHz band segment, for mobile and portable stations; (5) Compliance with the provisions of paragraphs (c)(1) and (c)(2) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed; (6) Compliance with the provisions of paragraphs (c)(3) and (c)(4) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.
LTE Band 7/38/41	FCC §2.1051: The radio frequency voltage or powers generated within the equipment and appearing on a spurious frequency shall be checked at the equipment output terminals when properly loaded with a suitable artificial antenna. FCC §27.53(h): The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ dB.
LTE Band 4/66	FCC §2.1051: The radio frequency voltage or powers generated within the equipment and appearing on a spurious frequency shall be checked at the equipment output terminals when properly loaded with a suitable artificial antenna.

	FCC§27.53(h): $\leq -13\text{ dBm}/1\%\text{EBW}$, in 1 MHz bands immediately outside and adjacent to the frequency block.
LTE Band 26(814~824 MHz)	FCC §2.1051: The radio frequency voltage or powers generated within the equipment and appearing on a spurious frequency shall be checked at the equipment output terminals when properly loaded with a suitable artificial antenna. FCC §90.691: (a) Out-of-band emission requirement shall apply only to the “outer” channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows: (1) For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $116\text{ Log}_{10}(f/6.1)$ decibels or $50 + 10\text{ Log}_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz. (2) For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $43 + 10\text{Log}_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz. (b) When an emission outside of the authorized bandwidth causes harmful interference, the Commission may, at its discretion, require greater attenuation than specified in this section.



4.6.3 Test Procedure

	References Rule	Chapter	Description
☒	ANSI C63.26	5.7	Unwanted (out-of-band and spurious) conducted emissions measurement procedures (conducted test at antenna port)

The EUT RF output connector was connected to a spectrum analyser and to the Universal Radio Communication tester R&S CMW500 (selecting maximum transmission power of the EUT and different modes of modulation) using directional coupler.

The reading of the spectrum analyser is corrected with the attenuation loss of connection between output terminal of EUT and input of the spectrum analyser.

For NBLoT Band 5/26: For §22, in the 1 MHz bands immediately outside and adjacent to the frequency block or band, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. For §90, use RBW = 300 Hz for offsets less than 37.5 kHz from a channel edge; RBW = 100 kHz for offsets greater than 37.5 kHz is allowed.

For NBLoT Band 2/25: In the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

For NBLoT Band 12/17/71/85: In the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

For NBLoT Band 13: On any frequency outside the 746-758 MHz band and 776-788 MHz band, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed; on all frequencies between 763-775 MHz and 793-805 MHz, any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25KHz segment.

For NBLoT Band 4/66: In the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

According to specification, the power of emissions shall be attenuated below the transmitter power (P) by a factor of at least $X + 10 \log (P)$ dB. P in watts. The specification can be interpreted as an absolute limit when the specified attenuation is actually subtracted from the maximum permissible transmitter power [i.e., $10 \log P - \{X + 10 \log P\}$], resulting in an absolute level of -X dBW [or $(-X + 30)$ dBm].

4.6.4 Test data

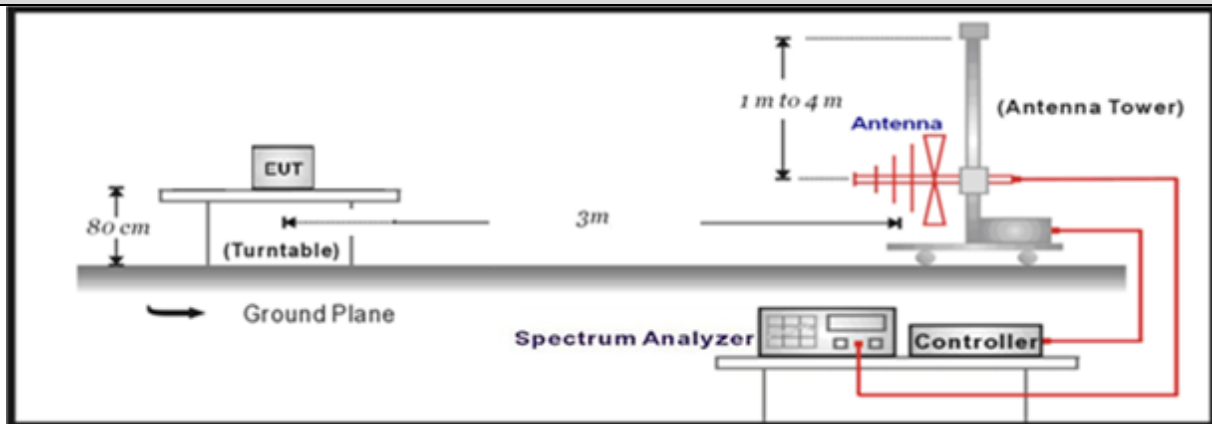
Band	Test Data
GSM850	Please refer to Appendi GSM850
GSM1900	Please refer to Appendi GSM1900
WCDMA Band2	Please refer to Appendi WCDMA Band2
WCDMA Band4	Please refer to Appendi WCDMA Band4
WCDMA Band5	Please refer to Appendi WCDMA Band5
LTE Band2	Please refer to Appendi LTE Band2
LTE Band4	Please refer to Appendi LTE Band4
LTE Band5	Please refer to Appendi LTE Band5
LTE Band7	Please refer to Appendi LTE Band7
LTE Band13	Please refer to Appendi LTE Band13
LTE Band26(814~824)	Please refer to Appendi LTE Band26(814~824)
LTE Band26(824~849)	Please refer to Appendi LTE Band26(824~849)
LTE Band38	Please refer to Appendi LTE Band38
LTE Band41	Please refer to Appendi LTE Band41
LTE Band66	Please refer to Appendi LTE Band66

4.7 Radiated Emissions**VERDICT: PASS****4.7.1 Limit**

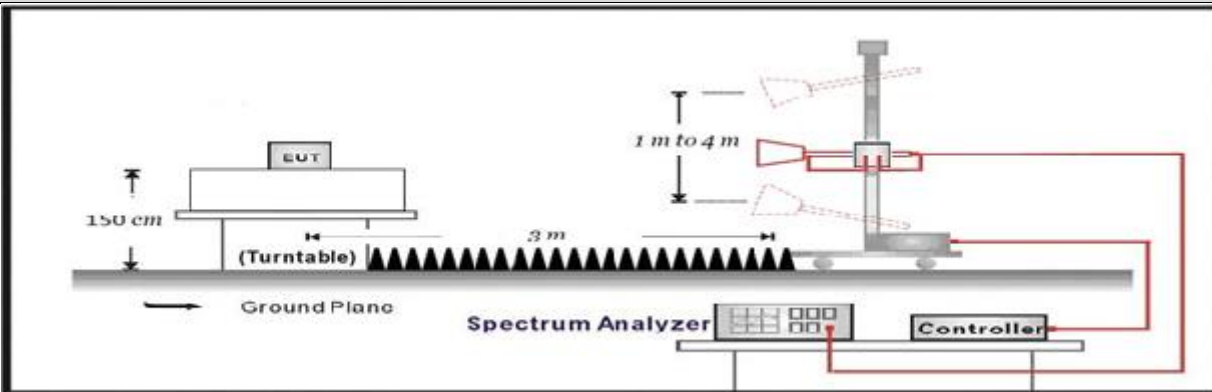
Band	Standard
GSM850; WCDMA Band 5; LTE Band 5; LTE 26(824~849 MHz)	FCC§2.1053, FCC §22.917(a): The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.
GSM1900; WCDMA Band 2; LTE Band 2;	FCC§2.1053, FCC §24.238(a): The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.
LTE Band 4/66	FCC§2.1053, FCC§27.53(h): ≤ -13 dBm/1 MHz.
LTE Band 13	FCC§2.1053, FCC§27.53(c)§FCC27.53(f): FCC: ≤ -13 dBm/100 kHz. For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.
LTE Band 7/38/41	FCC§2.1053, FCC §27.53(m): For BRS and EBS stations, the power of any emissions outside the licensee's frequency bands of operation shall be attenuated below the transmitter power (P) measured in watts in accordance with the standards below. If a licensee has multiple contiguous channels, out-of-band emissions shall be measured from the upper and lower edges of the contiguous channels.
LTE Band 26(814~824 MHz)	FCC§2.1053, FCC§90.691: FCC §90.691: (a) Out-of-band emission requirement shall apply only to the "outer" channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows: (1) For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $116 \log_{10}(f/6.1)$ decibels or $50 + 10 \log_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz. (2) For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz. (b) When an emission outside of the authorized bandwidth causes harmful interference, the Commission may, at its discretion, require greater attenuation than specified in this section.

4.7.2 Test Setup

30MHz-1GHz Test Setup:



Above 1GHz Test Setup:



4.7.3 Test Procedure

	Reference Rule	Chapter	Description
☒	ANSI C63.26	5.5	Radiated emissions testing

The spectrum was scanned from 9 kHz to the 10th harmonic of the highest frequency generated within the equipment.

Emissions below 18 GHz were measured at a 3 meter test distance.

The EUT was tested in three orthogonal axes and in all possible test configurations and poisoning when measurement antenna is oriented in both horizontal and vertical polarization, the worst case emissions was showed in the report.

Radiated emissions were used the substitution method described in ANSI/TIA-603-E-2016.

Radiated emissions were measured with 100kHz RBW below 1GHz and 1MHz RBW above 1GHz.

According to specification, the power of emissions shall be attenuated below the transmitter power (P) by a factor of at least $X + 10 \log (P)$ dB. P in watts. The specification can be interpreted as an absolute limit when the specified attenuation is actually subtracted from the maximum permissible transmitter power [i.e., $10 \log P - \{X + 10 \log P\}$], resulting in an absolute level of -X dBW [or $(-X + 30)$ dBm].

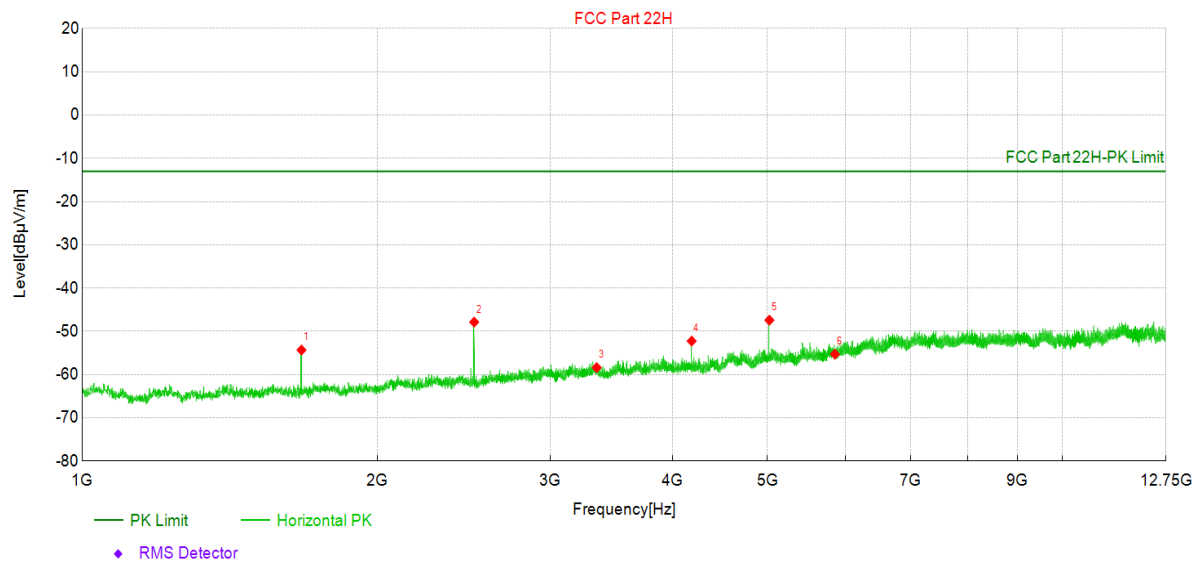
4.7.4 Test Data

ANT 0:

GSM:

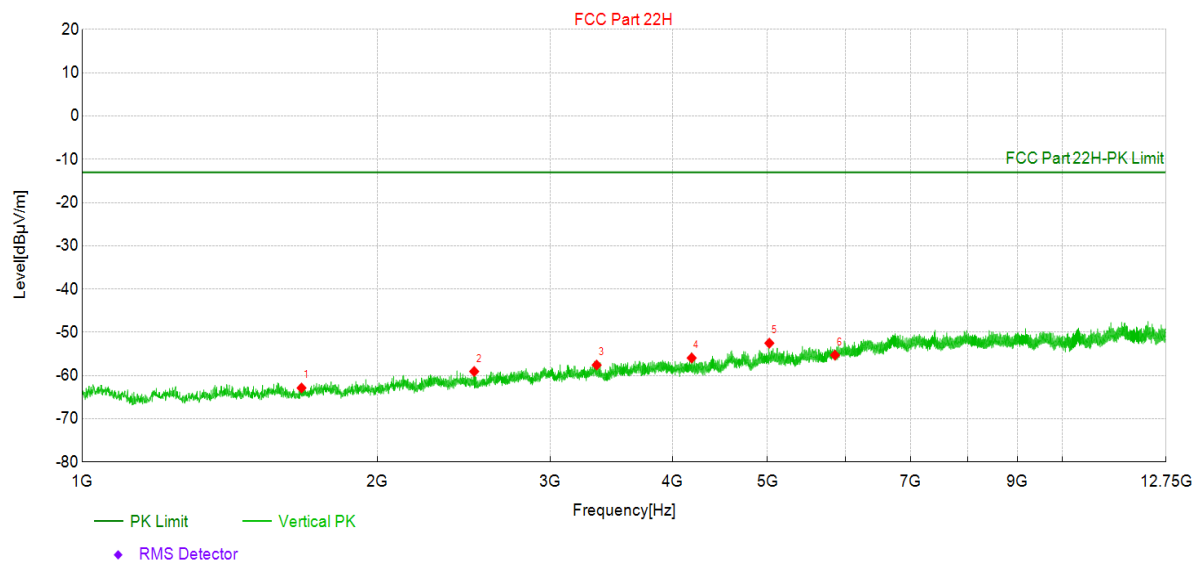
GSM850 Traffic

Test Graph



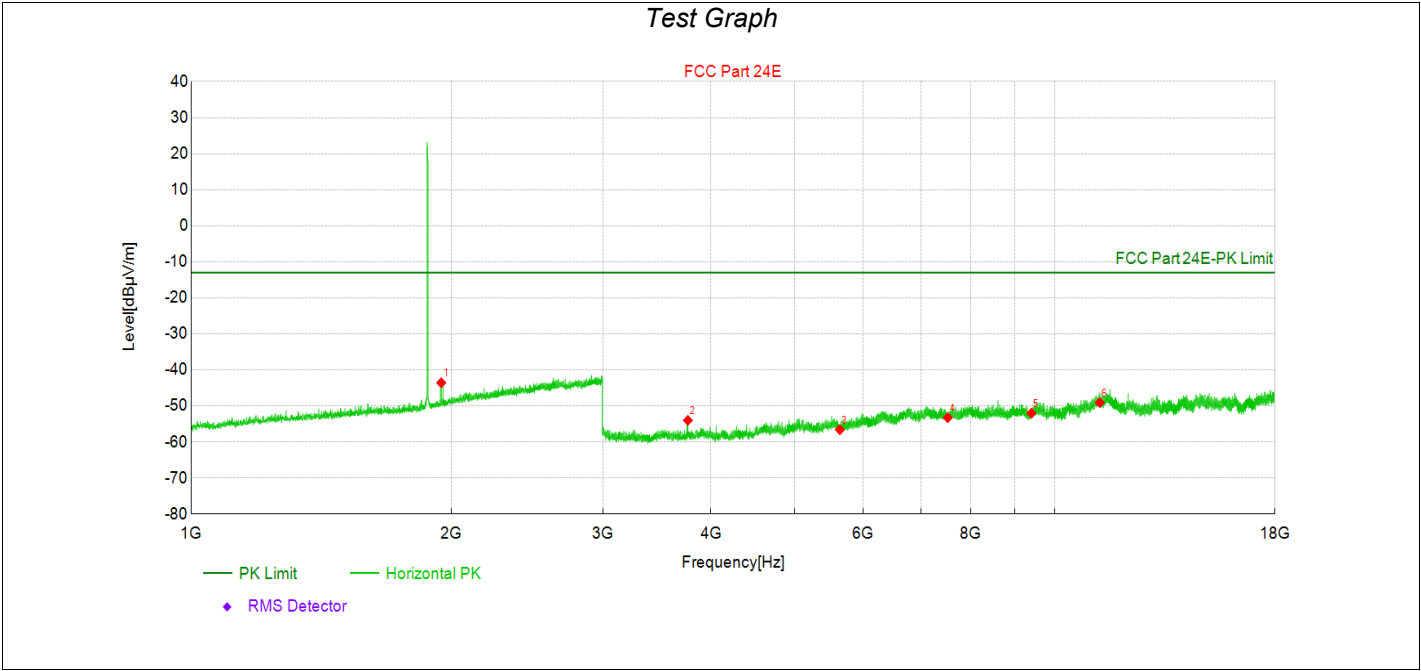
Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	1673.86	62.6	-54.33	-116.950	-13.00	41.33	PK	Horizo	PASS
2	2511.05	65.1	-47.87	-112.950	-13.00	34.87	PK	Horizo	PASS
3	3348.00	52.1	-58.39	-110.530	-13.00	45.39	PK	Horizo	PASS
4	4184.84	54.6	-52.25	-106.830	-13.00	39.25	PK	Horizo	PASS
5	5022.61	55.6	-47.43	-103.010	-13.00	34.43	PK	Horizo	PASS
6	5859.00	45.3	-55.29	-100.570	-13.00	42.29	PK	Horizo	PASS

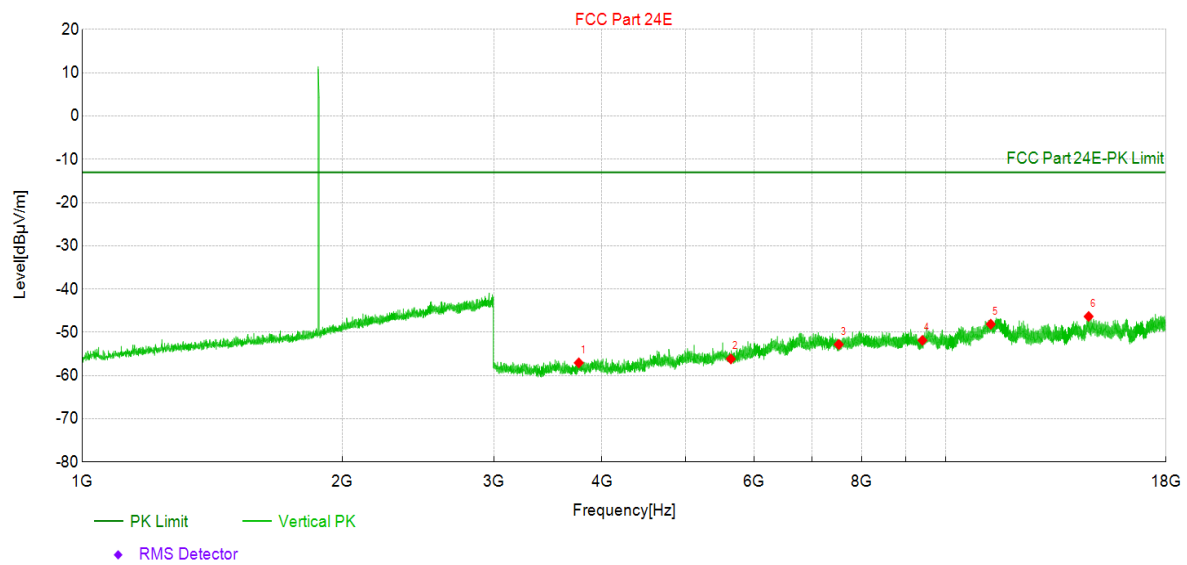
GSM850 Traffic**Test Graph****Data List**

NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	1674.00	54.1	-62.87	-116.950	-13.00	49.87	PK	Vertic	PASS
2	2511.00	53.9	-59.06	-112.950	-13.00	46.06	PK	Vertic	PASS
3	3348.00	53.0	-57.57	-110.530	-13.00	44.57	PK	Vertic	PASS
4	4185.00	50.9	-55.93	-106.830	-13.00	42.93	PK	Vertic	PASS
5	5022.00	50.5	-52.51	-103.010	-13.00	39.51	PK	Vertic	PASS
6	5859.00	45.3	-55.28	-100.570	-13.00	42.28	PK	Vertic	PASS

GSM1900 Traffic



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	1948.00	53.7	-43.57	-97.300	-13.00	30.57	PK	Horizo	PASS
2	3760.50	53.6	-54.00	-107.620	-13.00	41.00	PK	Horizo	PASS
3	5640.00	44.5	-56.60	-101.070	-13.00	43.60	PK	Horizo	PASS
4	7520.00	43.8	-53.25	-97.000	-13.00	40.25	PK	Horizo	PASS
5	9400.00	42.1	-52.01	-94.130	-13.00	39.01	PK	Horizo	PASS
6	11280.00	39.1	-49.06	-88.170	-13.00	36.06	PK	Horizo	PASS

GSM1900 Traffic*Test Graph***Data List**

NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	3760.00	50.6	-57.07	-107.620	-13.00	44.07	PK	Vertic	PASS
2	5640.00	44.9	-56.16	-101.070	-13.00	43.16	PK	Vertic	PASS
3	7520.00	44.2	-52.81	-97.000	-13.00	39.81	PK	Vertic	PASS
4	9400.00	42.3	-51.86	-94.130	-13.00	38.86	PK	Vertic	PASS
5	11280.00	40.0	-48.13	-88.170	-13.00	35.13	PK	Vertic	PASS
6	14643.00	38.3	-46.34	-84.630	-13.00	33.34	PK	Vertic	PASS

Note:

1. Level = Reading + Factor.

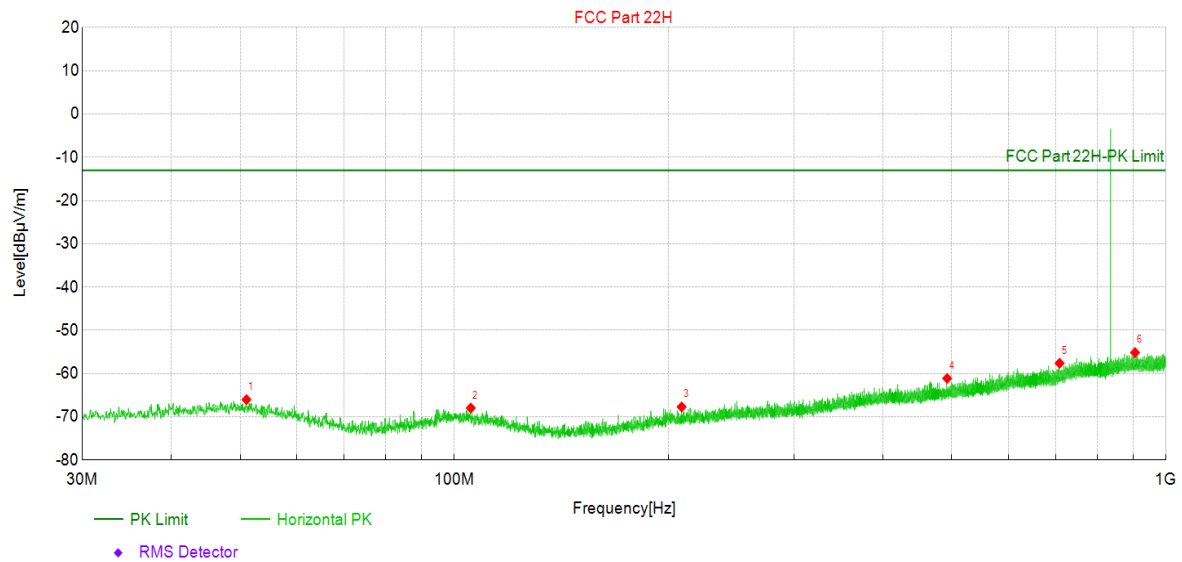
2. Margin = Limit - Level.

3. Spurious emissions level = Signal Generator Reading (dBm) - Cable loss (dB) + substitute antenna gain (dBi).

4. For each band, we tested all configurations and only the worst mode is shown in the report.

**The worst case of Radiated Emission below 1GHz:
GSM850 Traffic**

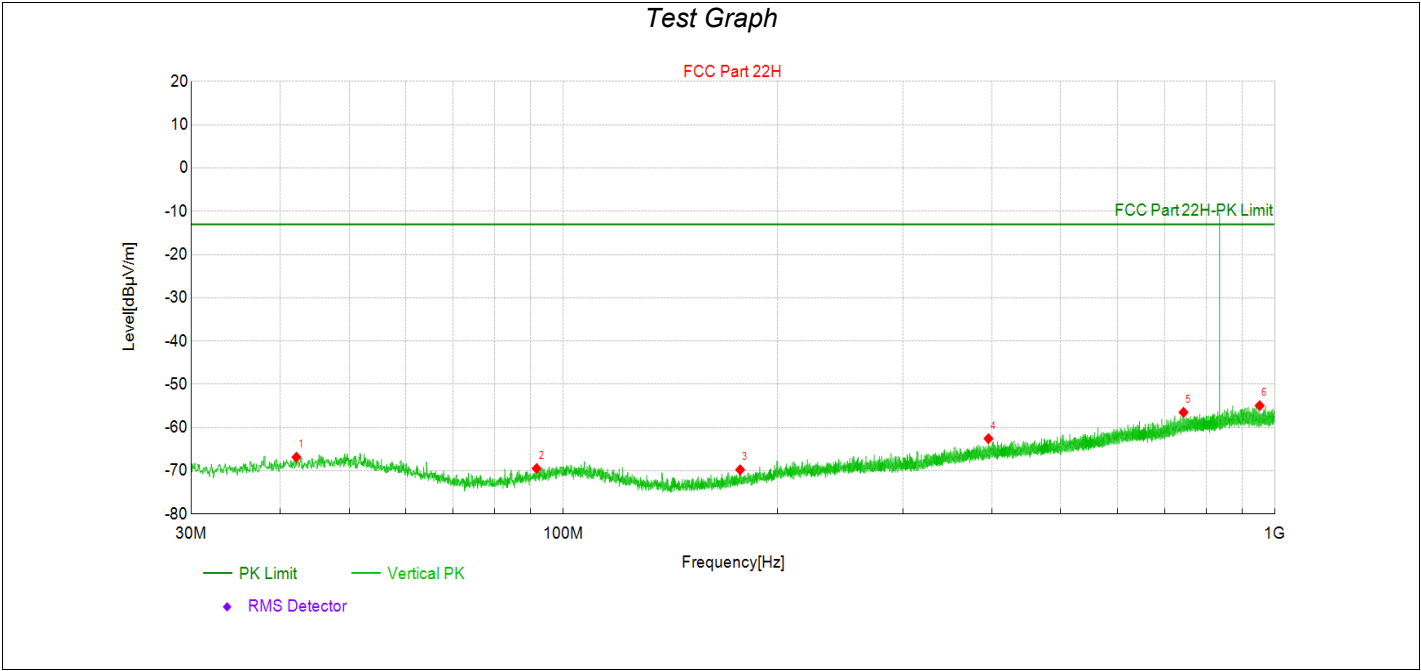
Test Graph



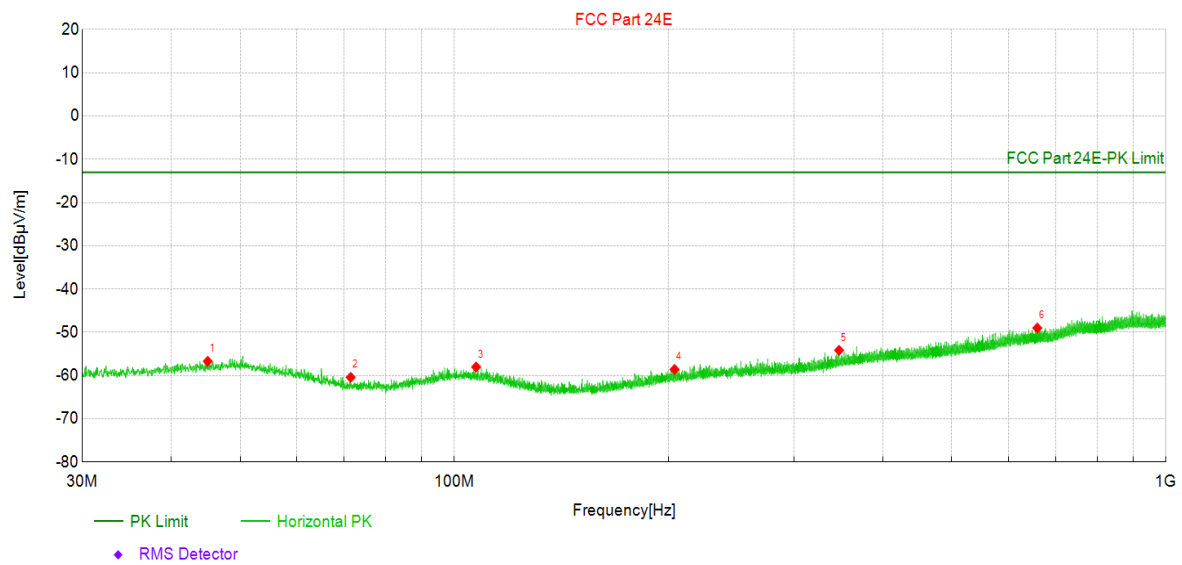
Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	51.05	14.6	-66.03	-80.620	-13.00	53.03	PK	Horizo	PASS
2	105.47	14.8	-67.97	-82.770	-13.00	54.97	PK	Horizo	PASS
3	208.63	15.3	-67.71	-83.030	-13.00	54.71	PK	Horizo	PASS
4	492.59	16.6	-61.12	-77.680	-13.00	48.12	PK	Horizo	PASS
5	708.76	17.0	-57.61	-74.590	-13.00	44.61	PK	Horizo	PASS
6	904.46	17.1	-55.15	-72.200	-13.00	42.15	PK	Horizo	PASS

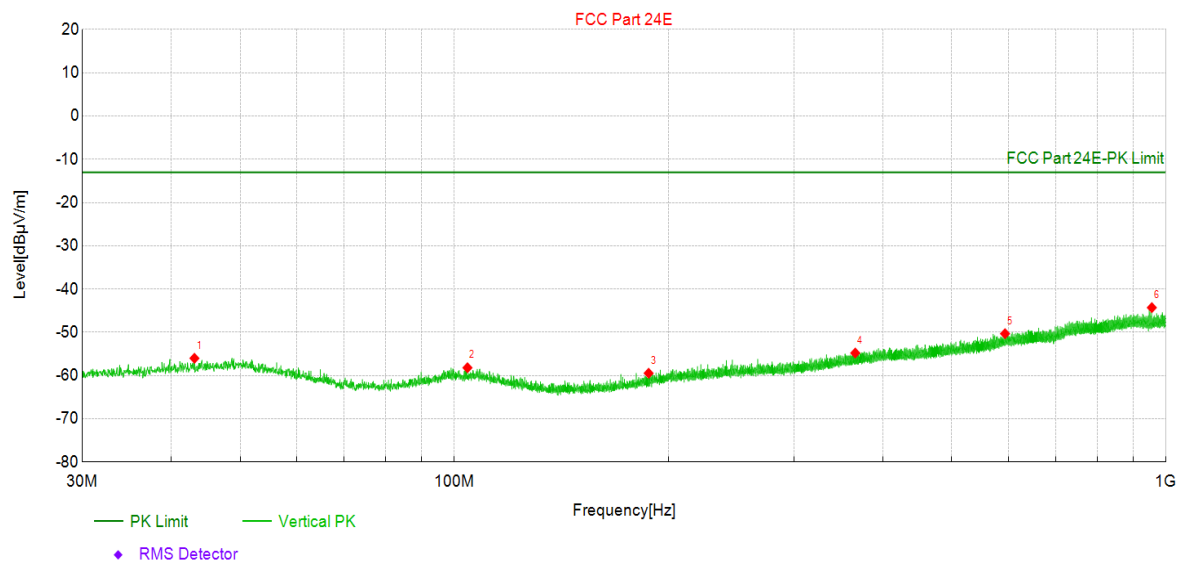
GSM850 Traffic



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	42.17	14.2	-66.85	-81.040	-13.00	53.85	PK	Vertic	PASS
2	91.74	14.3	-69.47	-83.790	-13.00	56.47	PK	Vertic	PASS
3	177.20	15.1	-69.76	-84.810	-13.00	56.76	PK	Vertic	PASS
4	395.69	16.5	-62.56	-79.010	-13.00	49.56	PK	Vertic	PASS
5	743.82	17.3	-56.48	-73.790	-13.00	43.48	PK	Vertic	PASS
6	951.45	17.2	-54.93	-72.160	-13.00	41.93	PK	Vertic	PASS

GSM1900 Traffic*Test Graph***Data List**

NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	45.04	24.0	-56.70	-80.670	-13.00	43.70	PK	Horizo	PASS
2	71.52	24.6	-60.41	-85.020	-13.00	47.41	PK	Horizo	PASS
3	107.31	24.8	-58.02	-82.850	-13.00	45.02	PK	Horizo	PASS
4	203.92	24.6	-58.57	-83.140	-13.00	45.57	PK	Horizo	PASS
5	347.19	25.6	-54.16	-79.780	-13.00	41.16	PK	Horizo	PASS
6	659.38	25.9	-49.01	-74.950	-13.00	36.01	PK	Horizo	PASS

GSM1900 Traffic*Test Graph***Data List**

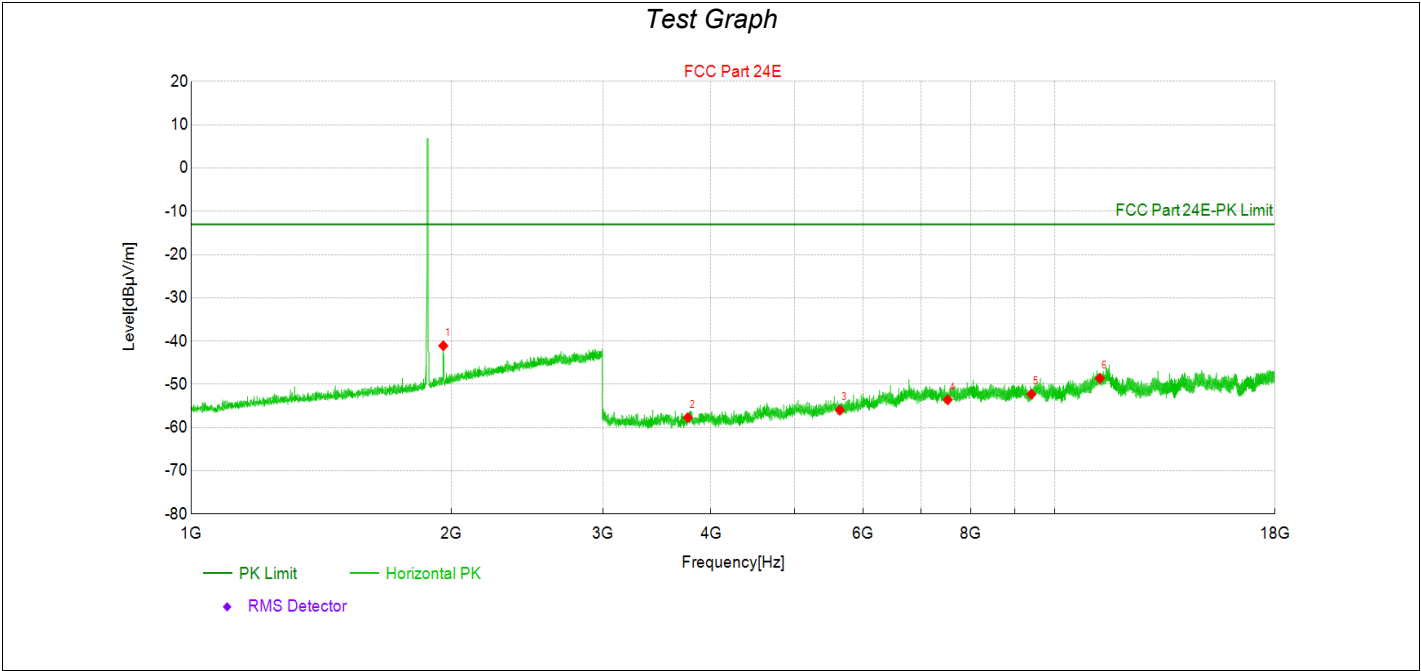
NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	43.14	24.9	-56.01	-80.900	-13.00	43.01	PK	Vertic	PASS
2	104.35	24.5	-58.19	-82.730	-13.00	45.19	PK	Vertic	PASS
3	187.53	24.7	-59.47	-84.140	-13.00	46.47	PK	Vertic	PASS
4	365.86	24.8	-54.79	-79.540	-13.00	41.79	PK	Vertic	PASS
5	593.96	25.2	-50.32	-75.500	-13.00	37.32	PK	Vertic	PASS
6	955.04	27.9	-44.29	-72.140	-13.00	31.29	PK	Vertic	PASS

Note:

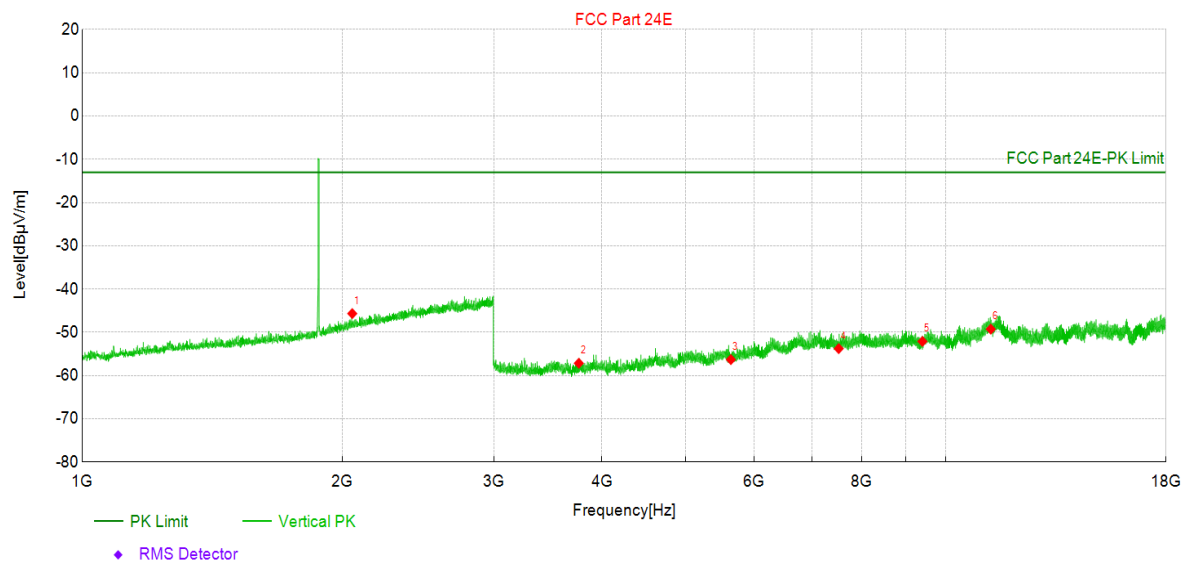
1. Level = Reading + Factor
2. Margin = Limit - Level
3. Spurious emissions level = Signal Generator Reading (dBm) - Cable loss (dB) + substitute antenna gain (dBi).
4. For each band, we tested all configurations and only the worst mode is shown in the report.

WCDMA:

WCDMA band2 Traffic 1880MHz

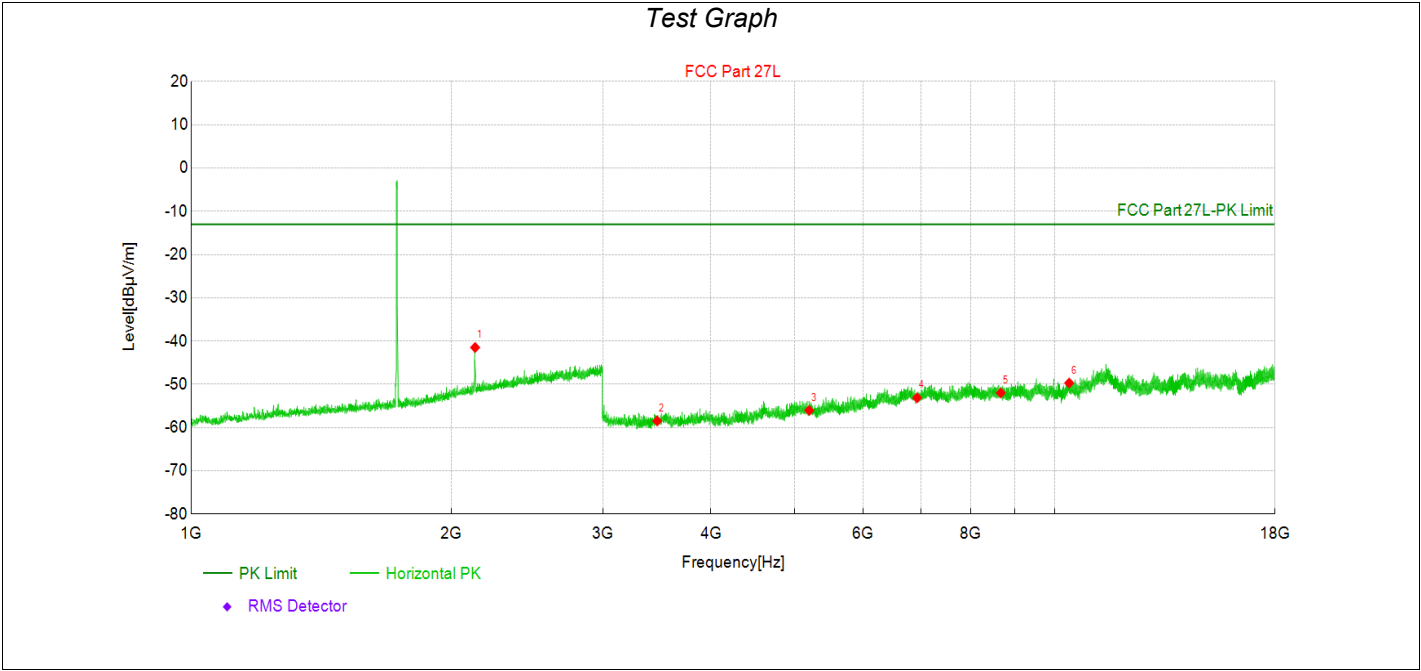


Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	1959.00	56.1	-41.08	-97.220	-13.00	28.08	PK	Horizo	PASS
2	3760.00	49.9	-57.70	-107.620	-13.00	44.70	PK	Horizo	PASS
3	5640.00	45.1	-55.98	-101.070	-13.00	42.98	PK	Horizo	PASS
4	7520.00	43.4	-53.58	-97.000	-13.00	40.58	PK	Horizo	PASS
5	9400.00	41.8	-52.30	-94.130	-13.00	39.30	PK	Horizo	PASS
6	11280.00	39.6	-48.61	-88.170	-13.00	35.61	PK	Horizo	PASS

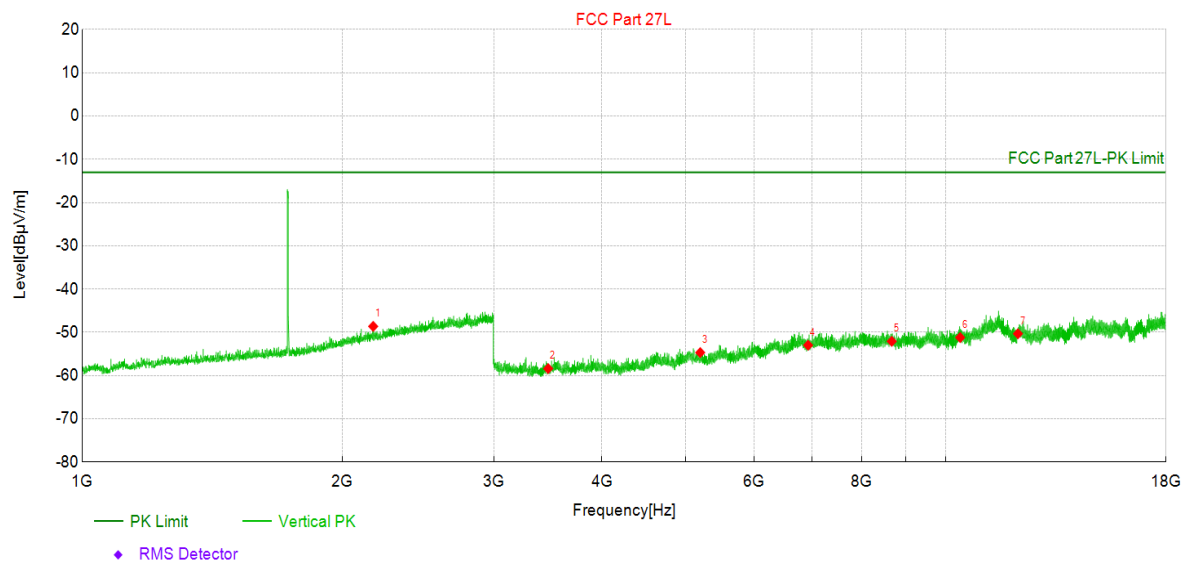
WCDMA band2 Traffic 1880MHz*Test Graph***Data List**

NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	2055.00	50.9	-45.67	-96.530	-13.00	32.67	PK	Vertic	PASS
2	3760.00	50.5	-57.15	-107.620	-13.00	44.15	PK	Vertic	PASS
3	5640.00	44.8	-56.30	-101.070	-13.00	43.30	PK	Vertic	PASS
4	7520.00	43.2	-53.77	-97.000	-13.00	40.77	PK	Vertic	PASS
5	9400.00	42.0	-52.10	-94.130	-13.00	39.10	PK	Vertic	PASS
6	11280.00	38.9	-49.27	-88.170	-13.00	36.27	PK	Vertic	PASS

WCDMA band4 Traffic 1732.5MHz

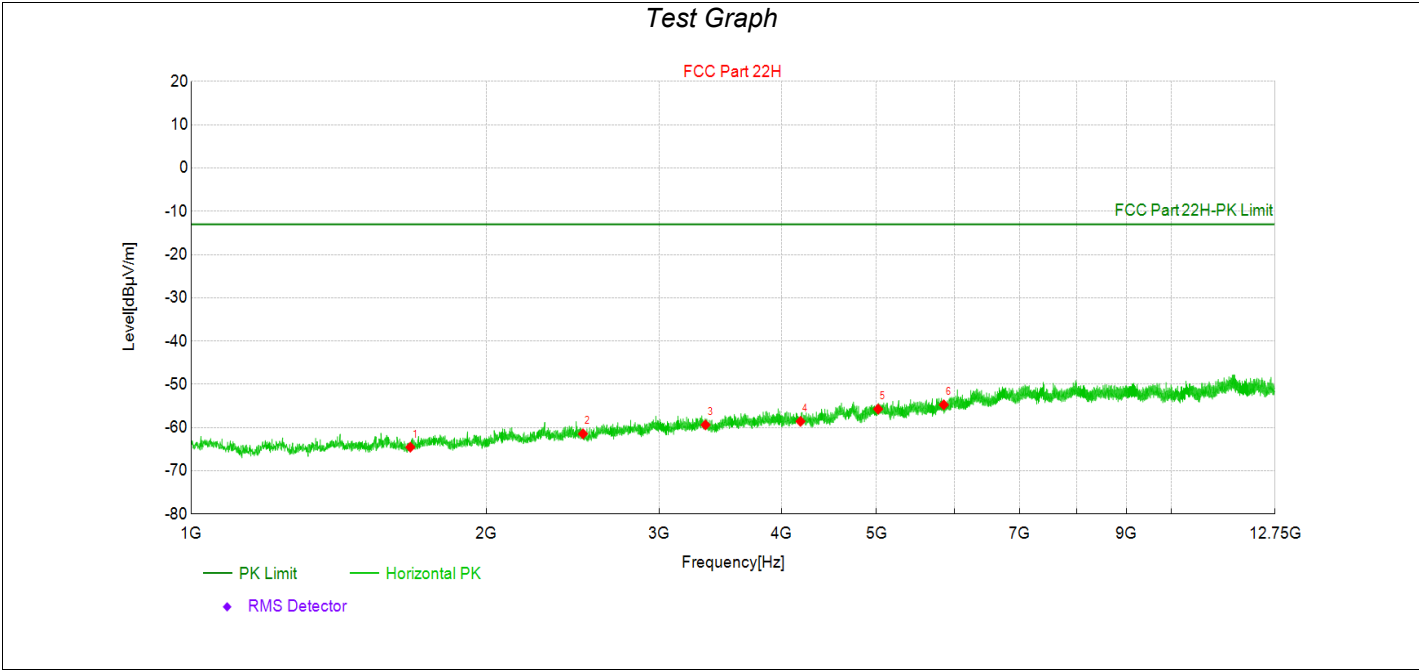


Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	2132.50	54.6	-41.49	-96.060	-13.00	28.49	PK	Horizo	PASS
2	3465.00	50.7	-58.47	-109.190	-13.00	45.47	PK	Horizo	PASS
3	5197.50	46.3	-56.04	-102.380	-13.00	43.04	PK	Horizo	PASS
4	6930.00	43.9	-53.13	-97.010	-13.00	40.13	PK	Horizo	PASS
5	8662.50	43.5	-51.98	-95.510	-13.00	38.98	PK	Horizo	PASS
6	10395.00	42.4	-49.70	-92.050	-13.00	36.70	PK	Horizo	PASS

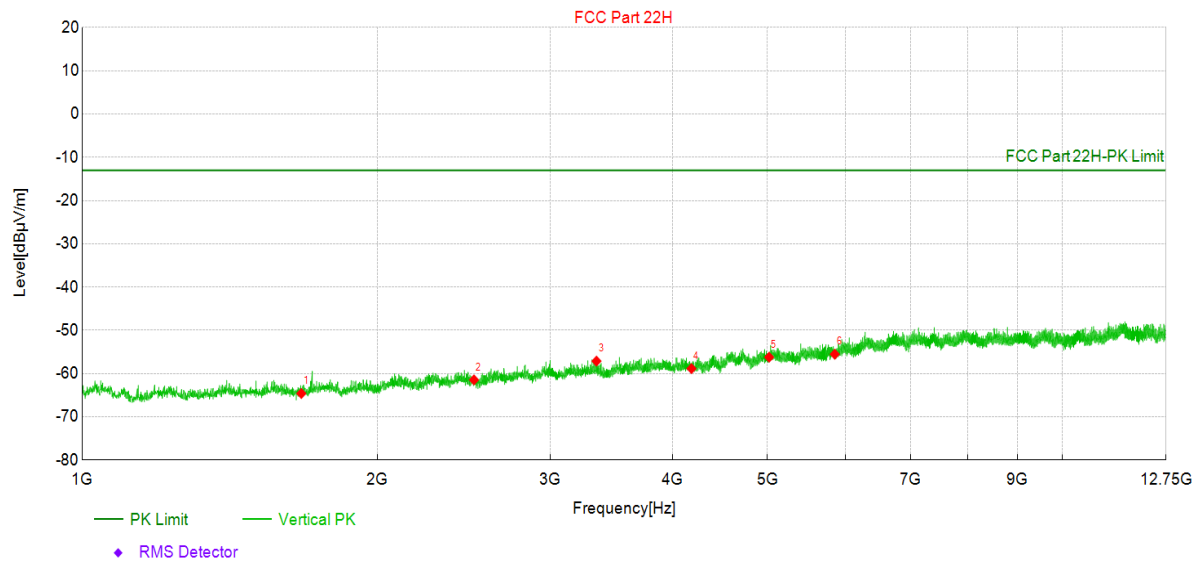
WCDMA band4 Traffic 1732.5MHz*Test Graph***Data List**

NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	2173.00	47.3	-48.63	-95.900	-13.00	35.63	PK	Vertic	PASS
2	3465.00	50.8	-58.39	-109.190	-13.00	45.39	PK	Vertic	PASS
3	5197.50	47.7	-54.69	-102.380	-13.00	41.69	PK	Vertic	PASS
4	6930.00	44.0	-52.99	-97.010	-13.00	39.99	PK	Vertic	PASS
5	8662.50	43.4	-52.08	-95.510	-13.00	39.08	PK	Vertic	PASS
6	10395.00	40.8	-51.21	-92.050	-13.00	38.21	PK	Vertic	PASS
7	12127.50	38.5	-50.33	-88.870	-13.00	37.33	PK	Vertic	PASS

WCDMA band5 Traffic 836.6MHz



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	1673.20	52.4	-64.53	-116.950	-13.00	51.53	PK	Horizo	PASS
2	2509.80	51.5	-61.44	-112.960	-13.00	48.44	PK	Horizo	PASS
3	3346.40	51.2	-59.38	-110.530	-13.00	46.38	PK	Horizo	PASS
4	4183.00	48.3	-58.58	-106.840	-13.00	45.58	PK	Horizo	PASS
5	5019.60	47.3	-55.72	-103.010	-13.00	42.72	PK	Horizo	PASS
6	5856.20	45.8	-54.74	-100.570	-13.00	41.74	PK	Horizo	PASS

WCDMA band5 Traffic 836.6MHz*Test Graph***Data List**

NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	1673.20	52.3	-64.61	-116.950	-13.00	51.61	PK	Vertic	PASS
2	2509.80	51.5	-61.47	-112.960	-13.00	48.47	PK	Vertic	PASS
3	3346.40	53.4	-57.12	-110.530	-13.00	44.12	PK	Vertic	PASS
4	4183.00	48.0	-58.85	-106.840	-13.00	45.85	PK	Vertic	PASS
5	5019.60	46.8	-56.22	-103.010	-13.00	43.22	PK	Vertic	PASS
6	5856.20	45.0	-55.53	-100.570	-13.00	42.53	PK	Vertic	PASS

Note:

1. Level = Reading + Factor .

2. Margin = Limit - Level.

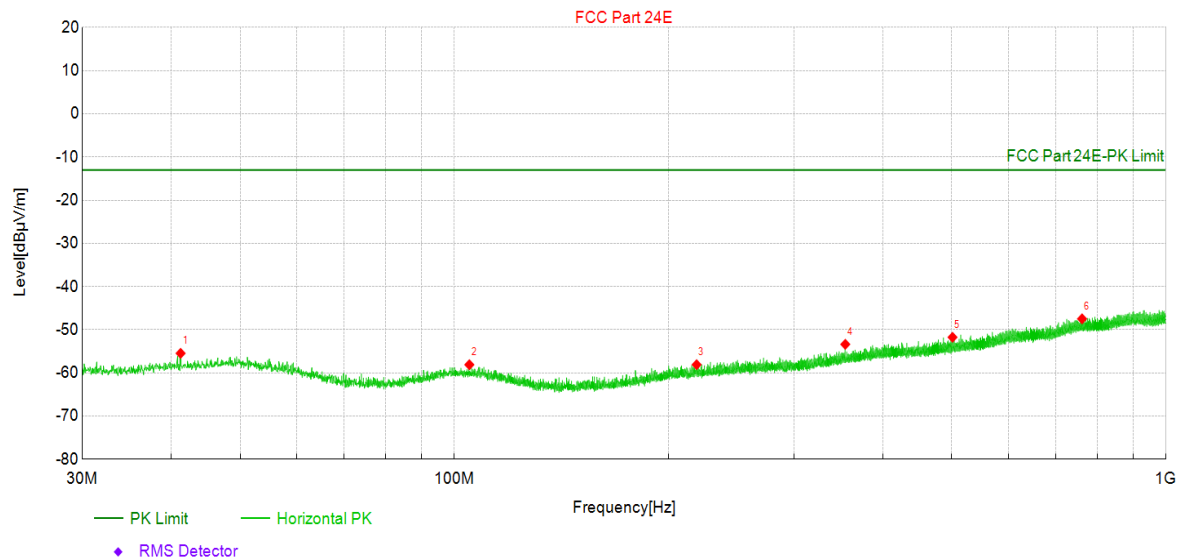
3. Spurious emissions level = Signal Generator Reading(dBm) - Cable loss(dB) + substitute antenna gain(dBi).

4. For each band, we tested all configurations and only the worst mode is shown in the report.

The worst case of Radiated Emission below 1GHz:

WCDMA band2 Traffic 1880MHz

Test Graph

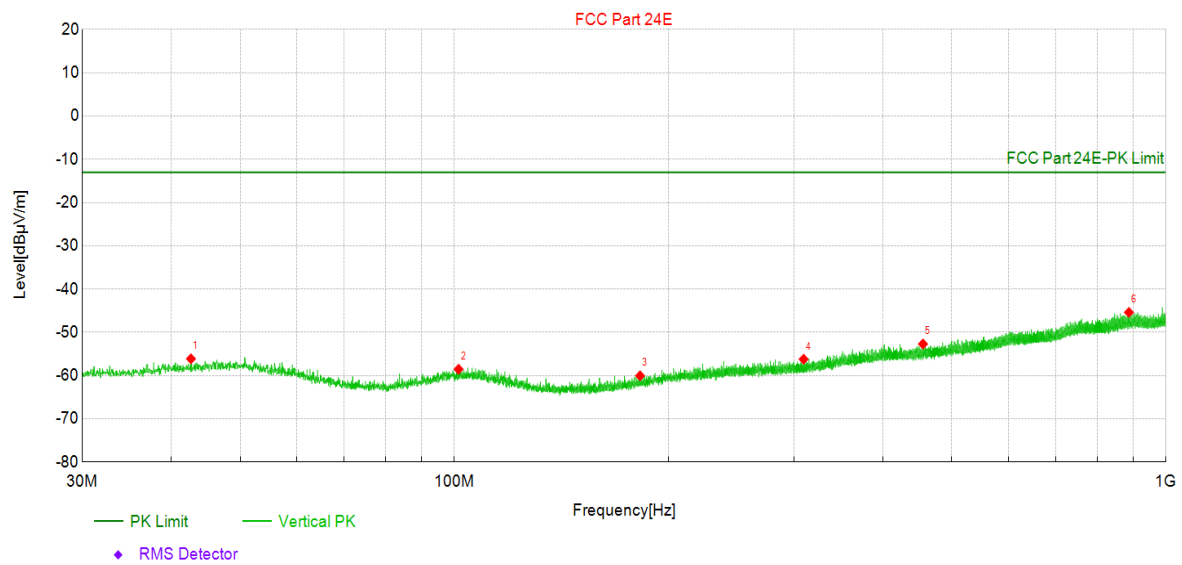


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	41.25	25.7	-55.47	-81.150	-13.00	42.47	PK	Horizo	PASS
2	104.98	24.6	-58.11	-82.750	-13.00	45.11	PK	Horizo	PASS
3	219.00	24.6	-58.09	-82.710	-13.00	45.09	PK	Horizo	PASS
4	354.27	26.2	-53.38	-79.620	-13.00	40.38	PK	Horizo	PASS
5	501.23	25.7	-51.75	-77.490	-13.00	38.75	PK	Horizo	PASS
6	762.16	26.2	-47.47	-73.630	-13.00	34.47	PK	Horizo	PASS

WCDMA band2 Traffic 1880MHz

Test Graph



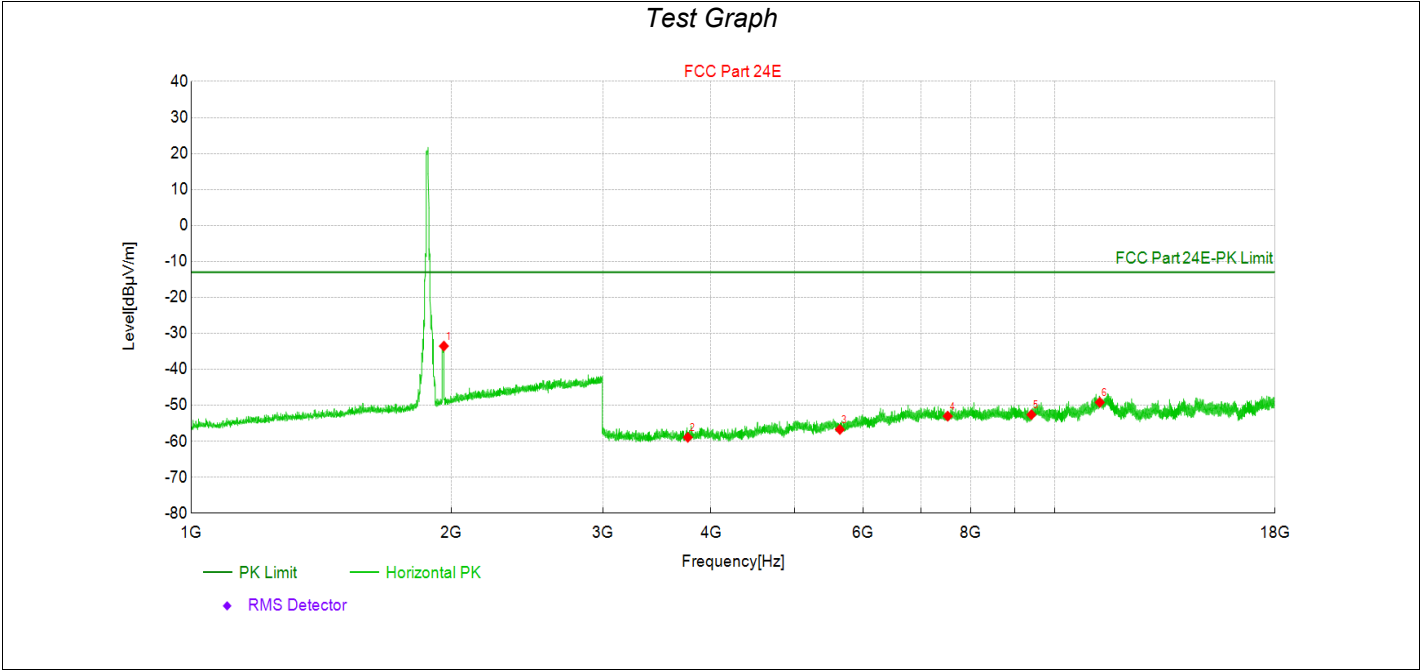
Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	42.66	24.9	-56.12	-80.970	-13.00	43.12	PK	Vertic	PASS
2	101.39	24.1	-58.54	-82.630	-13.00	45.54	PK	Vertic	PASS
3	182.39	24.5	-60.04	-84.500	-13.00	47.04	PK	Vertic	PASS
4	309.60	24.7	-56.22	-80.900	-13.00	43.22	PK	Vertic	PASS
5	455.49	25.5	-52.70	-78.230	-13.00	39.70	PK	Vertic	PASS
6	886.80	27.1	-45.40	-72.490	-13.00	32.40	PK	Vertic	PASS

Note:

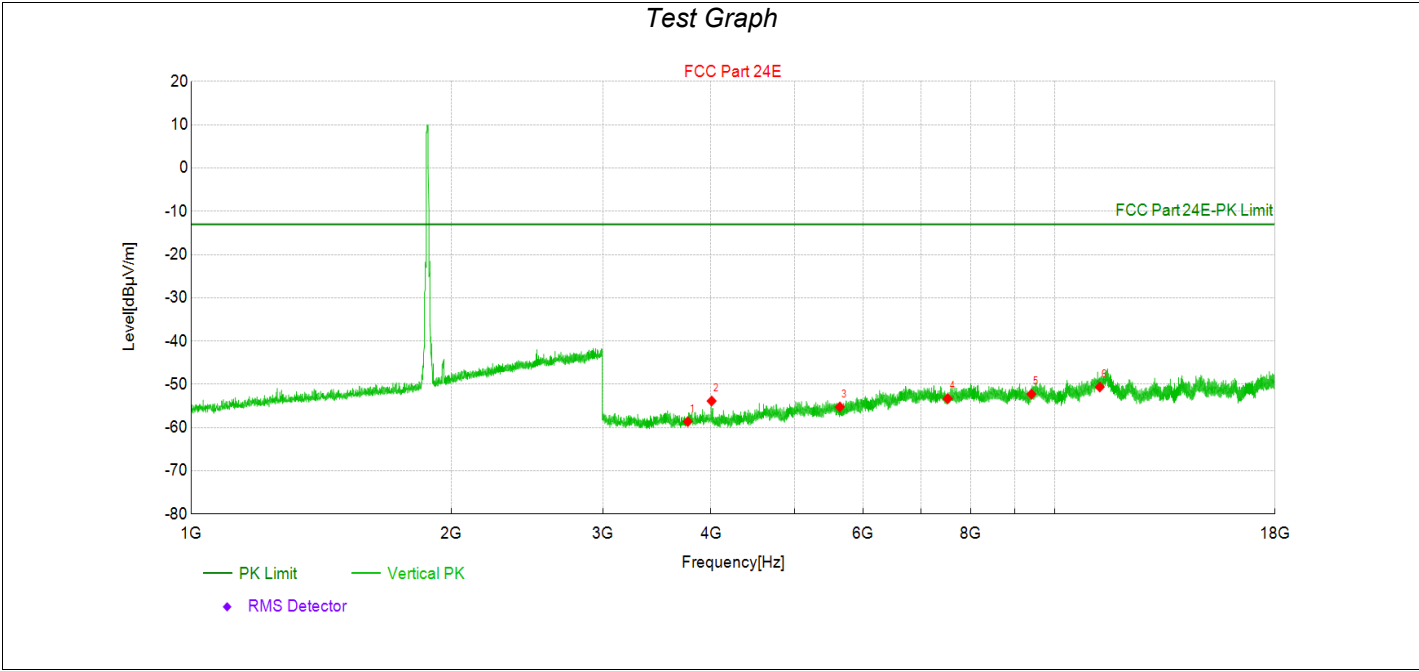
1. Level = Reading + Factor
2. Margin = Limit - Level
3. Spurious emissions level = Signal Generator Reading (dBm) - Cable loss (dB) + substitute antenna gain (dBi)
4. For each band, we tested all configurations and only the worst mode is shown in the report.

LTE :
LTE band2 Traffic 1880MHz

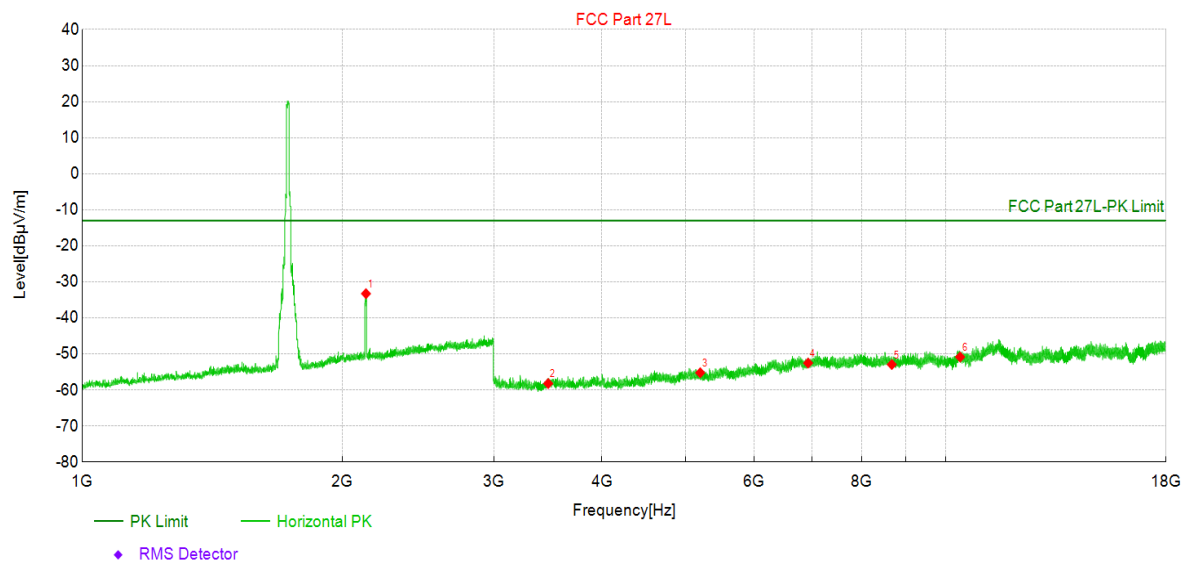


Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	1962.00	63.7	-33.54	-97.210	-13.00	20.54	PK	Horizo	PASS
2	3760.00	48.7	-58.91	-107.620	-13.00	45.91	PK	Horizo	PASS
3	5640.00	44.4	-56.72	-101.070	-13.00	43.72	PK	Horizo	PASS
4	7520.00	44.0	-53.02	-97.000	-13.00	40.02	PK	Horizo	PASS
5	9400.00	41.5	-52.60	-94.130	-13.00	39.60	PK	Horizo	PASS
6	11280.00	39.0	-49.18	-88.170	-13.00	36.18	PK	Horizo	PASS

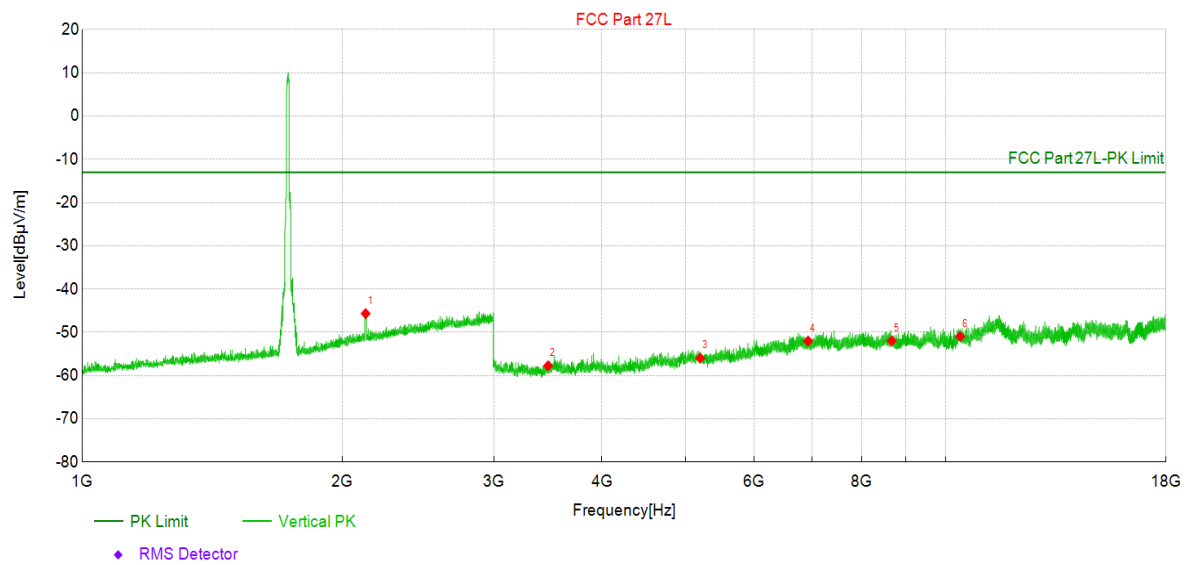
LTE band2 Traffic 1880MHz



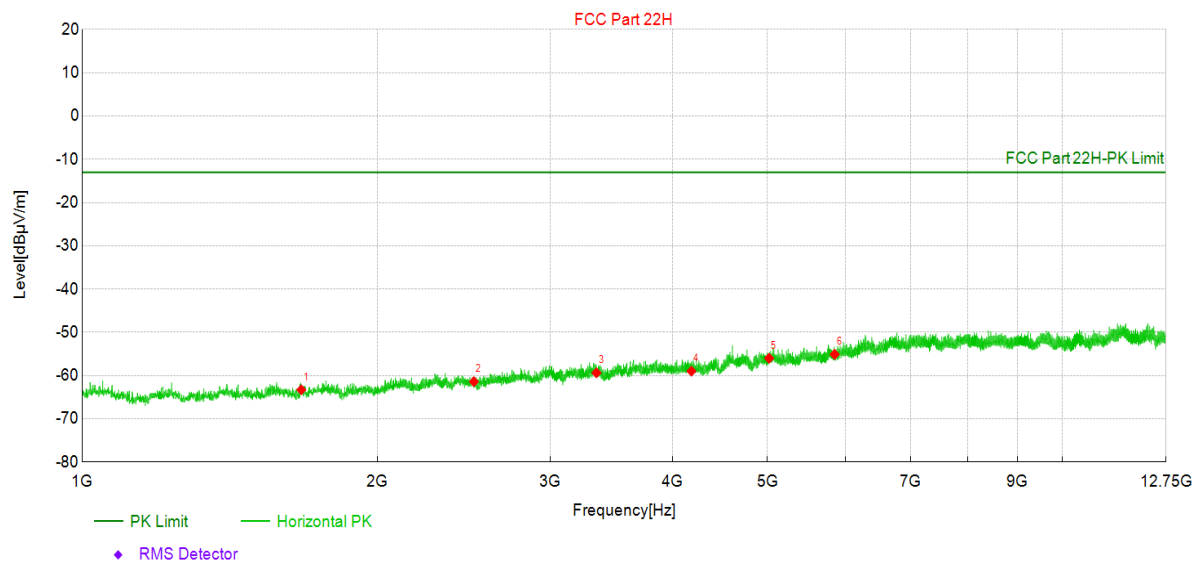
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	3760.00	49.0	-58.63	-107.620	-13.00	45.63	PK	Vertic	PASS
2	4006.50	52.7	-53.86	-106.550	-13.00	40.86	PK	Vertic	PASS
3	5640.00	45.8	-55.24	-101.070	-13.00	42.24	PK	Vertic	PASS
4	7520.00	43.7	-53.31	-97.000	-13.00	40.31	PK	Vertic	PASS
5	9400.00	41.9	-52.27	-94.130	-13.00	39.27	PK	Vertic	PASS
6	11280.00	37.5	-50.63	-88.170	-13.00	37.63	PK	Vertic	PASS

LTE band4 Traffic 1732.5MHz*Test Graph***Data List**

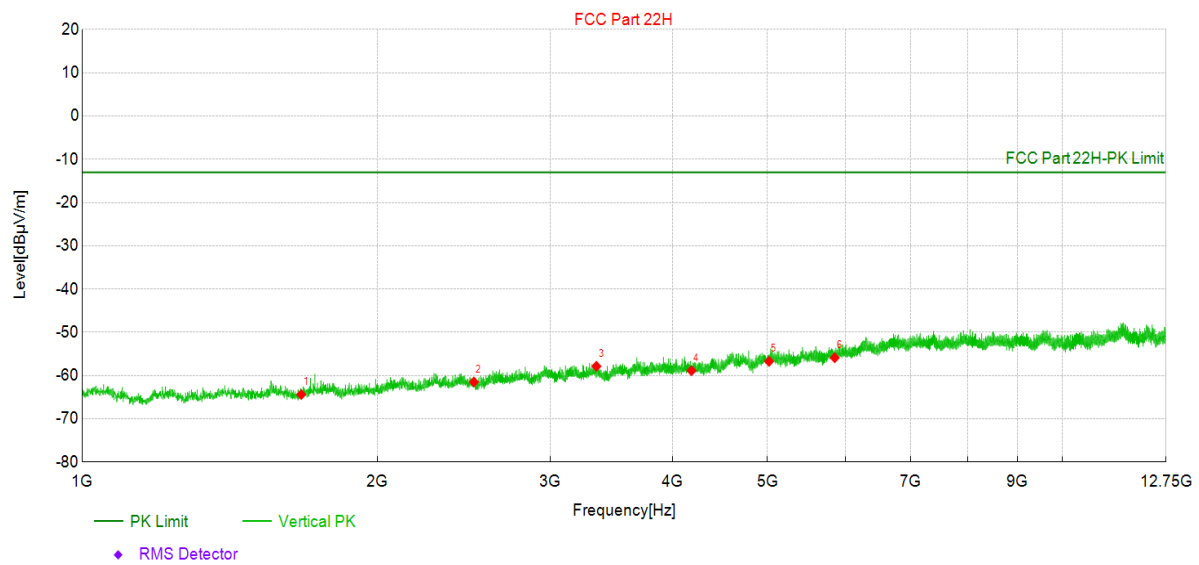
NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	2131.50	62.8	-33.28	-96.070	-13.00	20.28	PK	Horizo	PASS
2	3465.00	51.0	-58.21	-109.190	-13.00	45.21	PK	Horizo	PASS
3	5197.50	47.2	-55.22	-102.380	-13.00	42.22	PK	Horizo	PASS
4	6930.00	44.5	-52.53	-97.010	-13.00	39.53	PK	Horizo	PASS
5	8662.50	42.6	-52.93	-95.510	-13.00	39.93	PK	Horizo	PASS
6	10395.00	41.2	-50.85	-92.050	-13.00	37.85	PK	Horizo	PASS

LTE band4 Traffic 1732.5MHz**Test Graph****Data List**

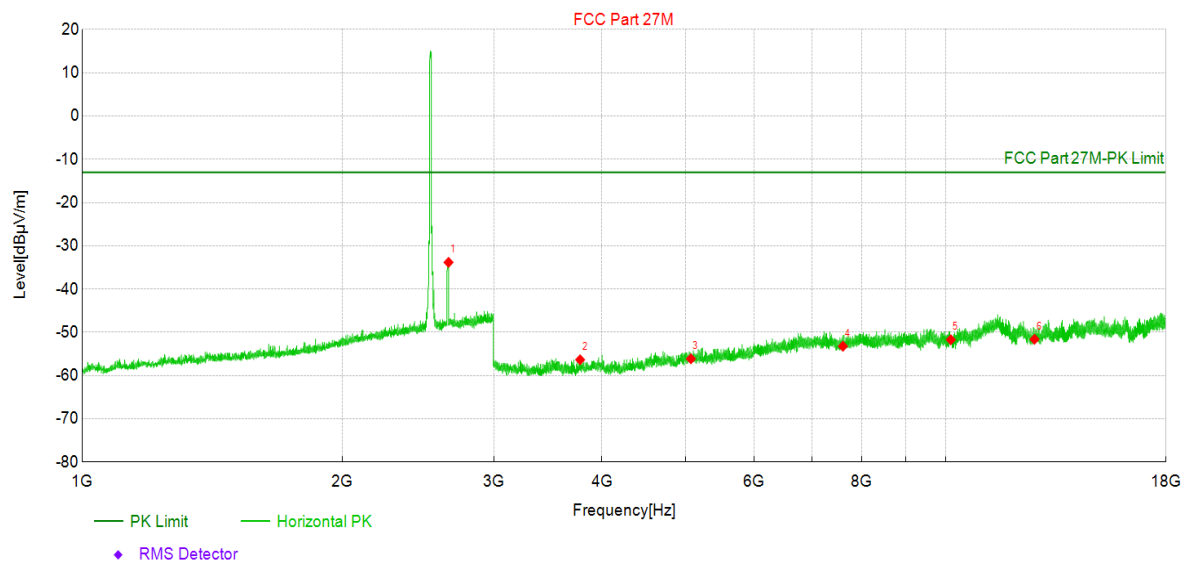
NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	2129.50	50.4	-45.67	-96.080	-13.00	32.67	PK	Vertic	PASS
2	3465.00	51.4	-57.75	-109.190	-13.00	44.75	PK	Vertic	PASS
3	5197.50	46.4	-55.96	-102.380	-13.00	42.96	PK	Vertic	PASS
4	6930.00	45.0	-52.03	-97.010	-13.00	39.03	PK	Vertic	PASS
5	8662.50	43.6	-51.96	-95.510	-13.00	38.96	PK	Vertic	PASS
6	10395.00	41.1	-50.96	-92.050	-13.00	37.96	PK	Vertic	PASS

LTE band5 Traffic 836.5MHz*Test Graph***Data List**

NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	1673.00	53.7	-63.29	-116.950	-13.00	50.29	PK	Horizo	PASS
2	2509.50	51.6	-61.41	-112.960	-13.00	48.41	PK	Horizo	PASS
3	3346.00	51.2	-59.37	-110.530	-13.00	46.37	PK	Horizo	PASS
4	4182.50	47.9	-58.98	-106.840	-13.00	45.98	PK	Horizo	PASS
5	5019.00	47.0	-56.00	-103.020	-13.00	43.00	PK	Horizo	PASS
6	5855.50	45.5	-55.10	-100.570	-13.00	42.10	PK	Horizo	PASS

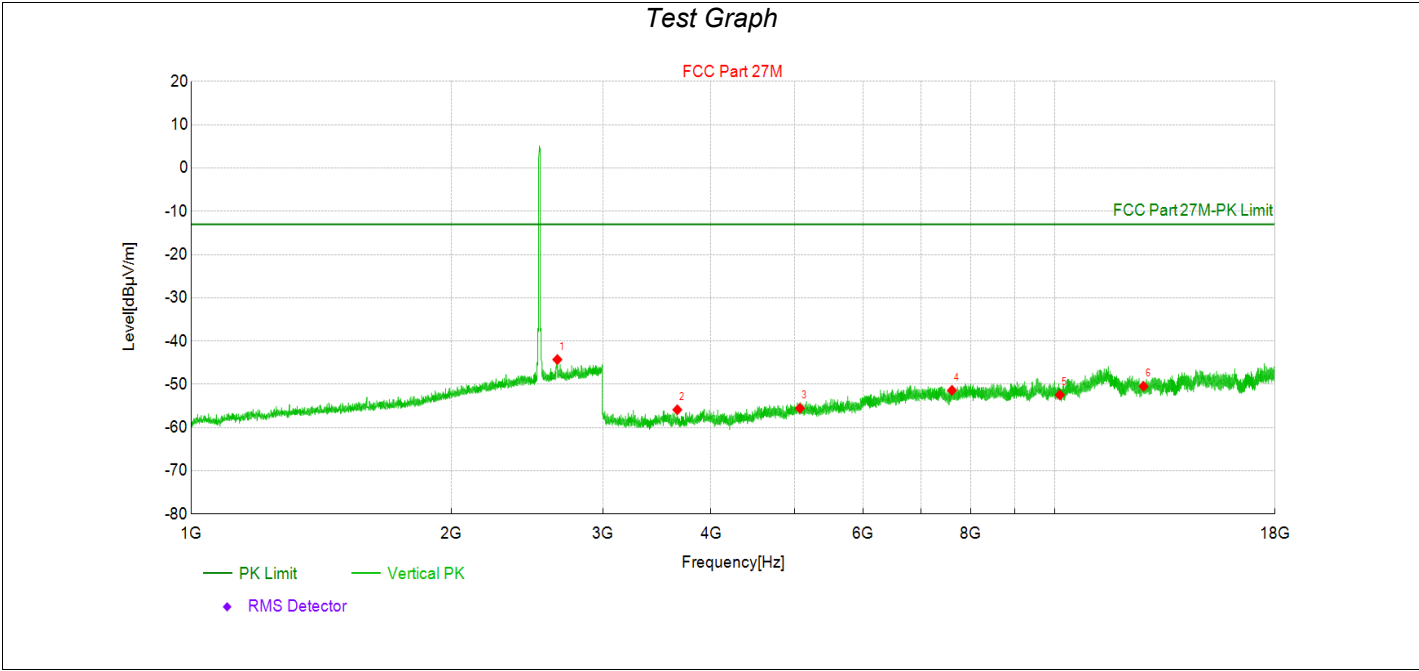
LTE band5 Traffic 836.5MHz*Test Graph***Data List**

NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	1673.00	52.6	-64.38	-116.950	-13.00	51.38	PK	Vertic	PASS
2	2509.50	51.5	-61.49	-112.960	-13.00	48.49	PK	Vertic	PASS
3	3346.00	52.7	-57.86	-110.530	-13.00	44.86	PK	Vertic	PASS
4	4182.50	48.0	-58.86	-106.840	-13.00	45.86	PK	Vertic	PASS
5	5019.00	46.3	-56.73	-103.020	-13.00	43.73	PK	Vertic	PASS
6	5855.50	44.7	-55.88	-100.570	-13.00	42.88	PK	Vertic	PASS

LTE band7 Traffic 2535MHz*Test Graph***Data List**

NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	2656.50	60.6	-33.82	-94.410	-13.00	20.82	PK	Horizo	PASS
2	3773.25	51.2	-56.34	-107.540	-13.00	43.34	PK	Horizo	PASS
3	5070.00	46.5	-56.12	-102.590	-13.00	43.12	PK	Horizo	PASS
4	7605.00	43.3	-53.22	-96.470	-13.00	40.22	PK	Horizo	PASS
5	10140.00	41.2	-51.72	-92.960	-13.00	38.72	PK	Horizo	PASS
6	12675.00	35.9	-51.62	-87.490	-13.00	38.62	PK	Horizo	PASS

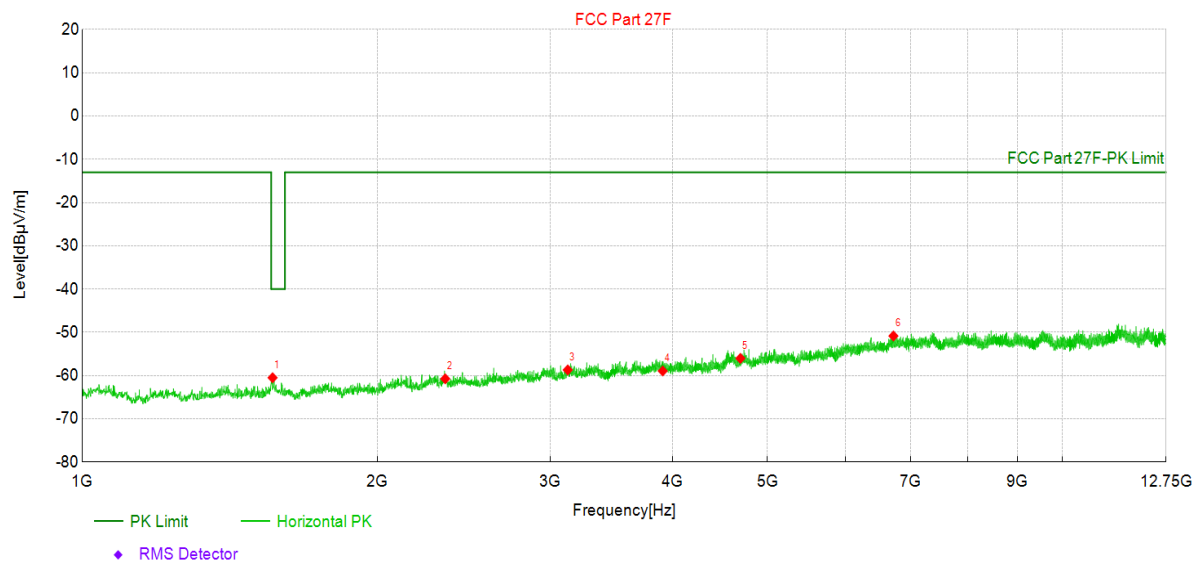
LTE band7 Traffic 2535MHz



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	2655.00	50.1	-44.28	-94.410	-13.00	31.28	PK	Vertic	PASS
2	3656.25	52.4	-55.89	-108.330	-13.00	42.89	PK	Vertic	PASS
3	5070.00	47.0	-55.55	-102.590	-13.00	42.55	PK	Vertic	PASS
4	7605.00	45.1	-51.40	-96.470	-13.00	38.40	PK	Vertic	PASS
5	10140.00	40.5	-52.45	-92.960	-13.00	39.45	PK	Vertic	PASS
6	12675.00	37.0	-50.46	-87.490	-13.00	37.46	PK	Vertic	PASS

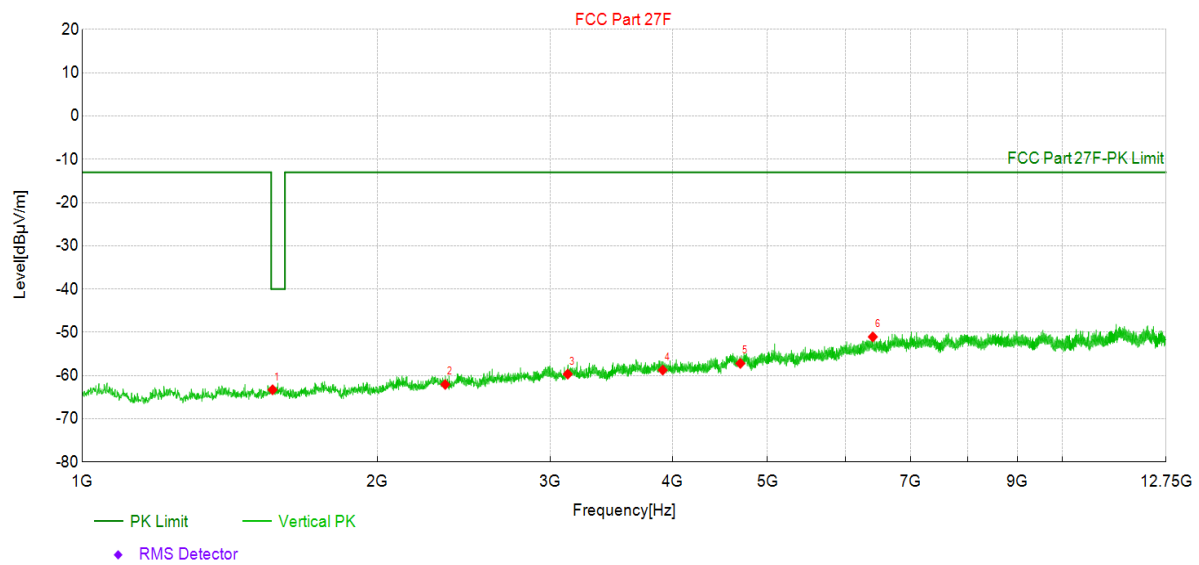
LTE band13 Traffic 782MHz

Test Graph



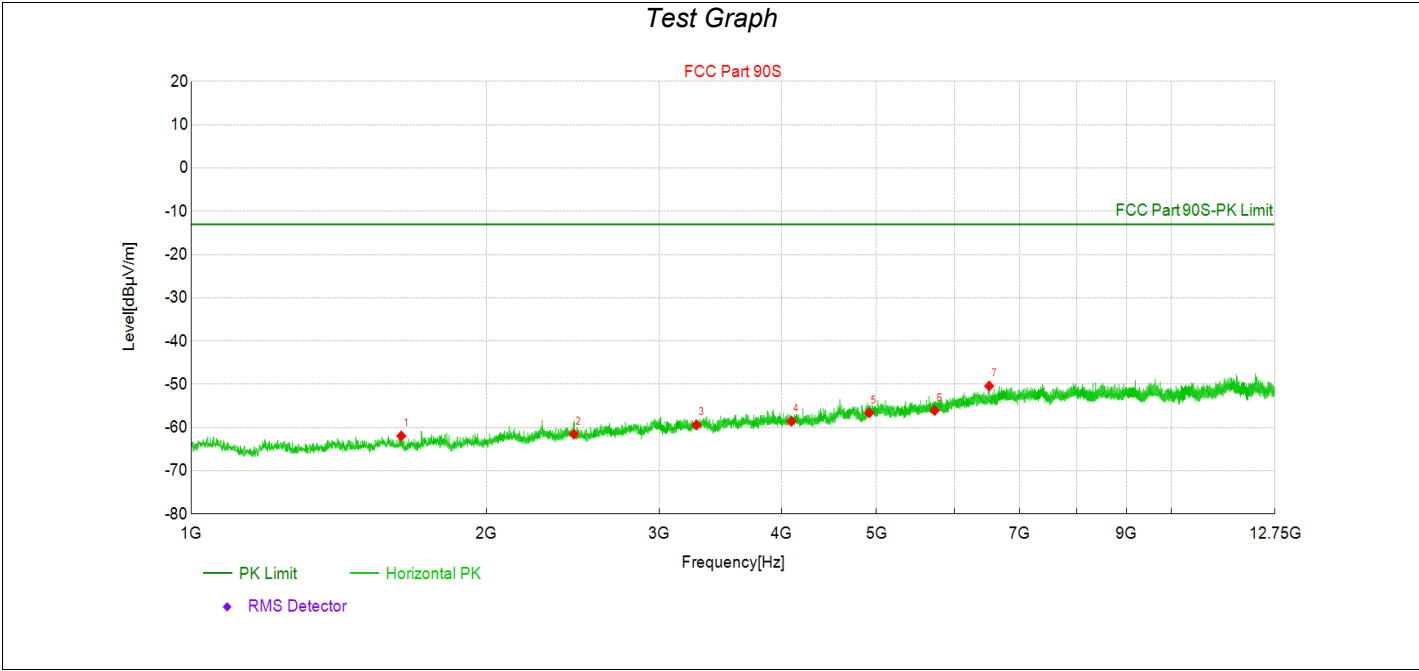
Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	1564.00	56.4	-60.50	-116.930	-40.00	20.50	PK	Horizo	PASS
2	2346.00	52.8	-60.75	-113.560	-13.00	47.75	PK	Horizo	PASS
3	3128.00	52.6	-58.70	-111.300	-13.00	45.70	PK	Horizo	PASS
4	3910.00	48.0	-58.94	-106.890	-13.00	45.94	PK	Horizo	PASS
5	4692.00	48.3	-56.03	-104.330	-13.00	43.03	PK	Horizo	PASS
6	6721.41	46.4	-50.85	-97.280	-13.00	37.85	PK	Horizo	PASS

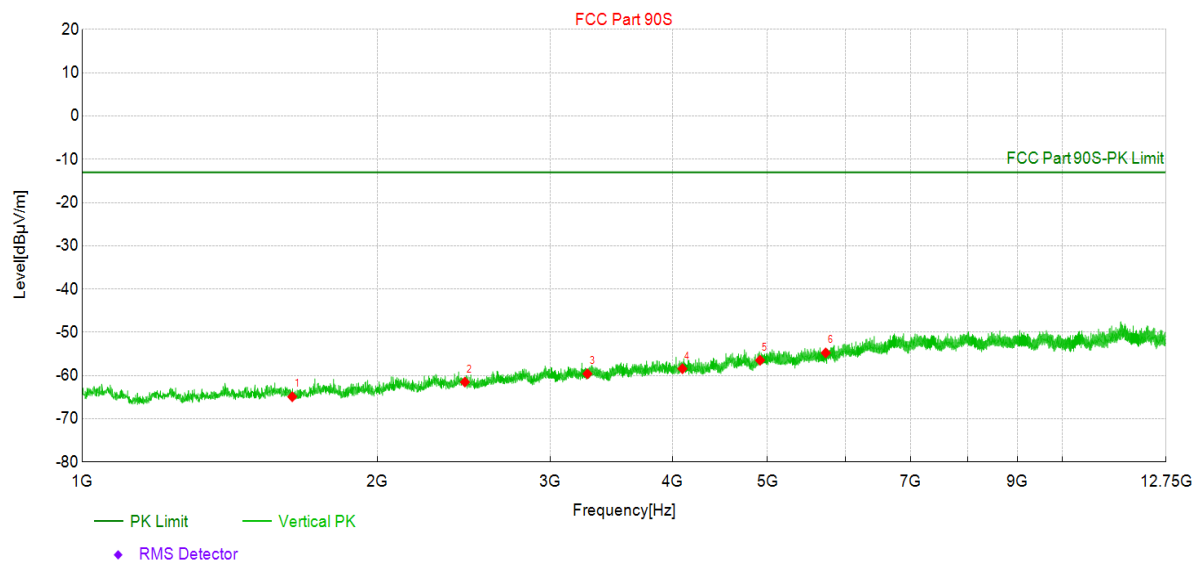
LTE band13 Traffic 782MHz**Test Graph****Data List**

NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	1564.00	53.6	-63.29	-116.930	-40.00	23.29	PK	Vertic	PASS
2	2346.00	51.5	-62.06	-113.560	-13.00	49.06	PK	Vertic	PASS
3	3128.00	51.6	-59.66	-111.300	-13.00	46.66	PK	Vertic	PASS
4	3910.00	48.2	-58.74	-106.890	-13.00	45.74	PK	Vertic	PASS
5	4692.00	47.1	-57.19	-104.330	-13.00	44.19	PK	Vertic	PASS
6	6404.16	47.0	-51.05	-98.040	-13.00	38.05	PK	Vertic	PASS

LTE band26A Traffic 819MHz

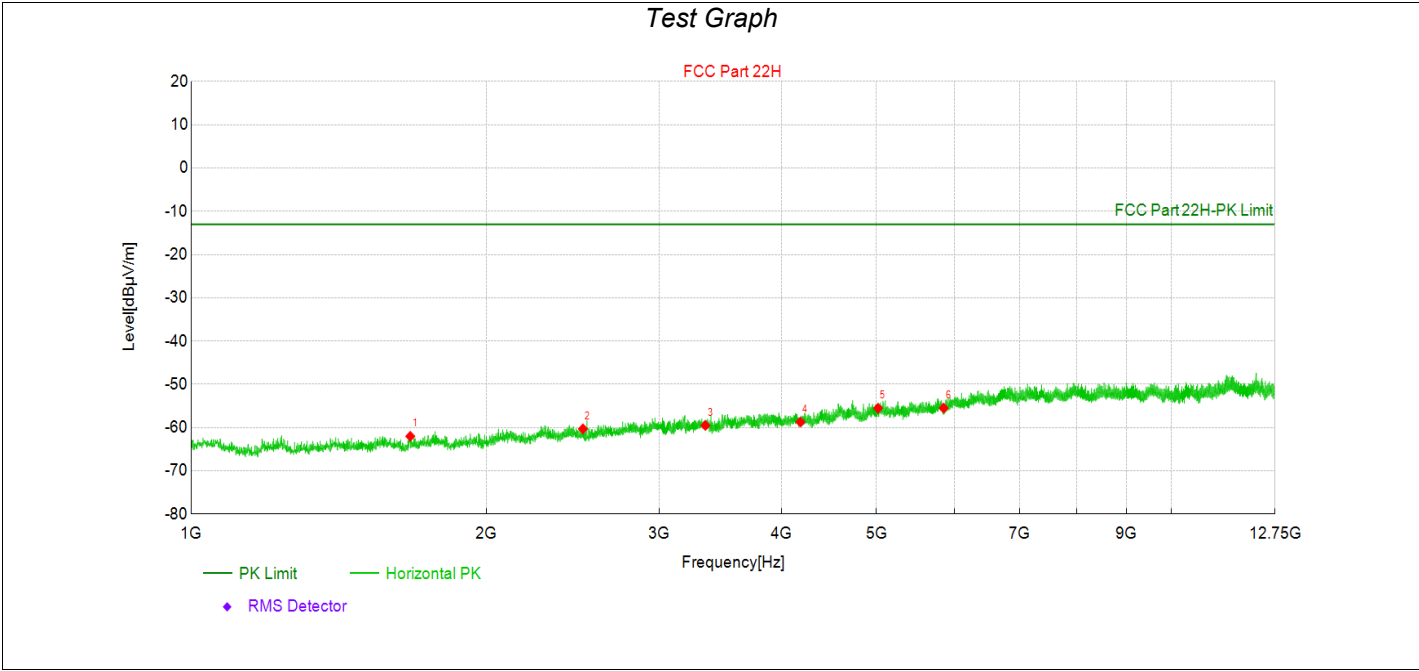


Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	1638.00	54.9	-61.94	-116.830	-13.00	48.94	PK	Horizo	PASS
2	2457.00	51.7	-61.52	-113.220	-13.00	48.52	PK	Horizo	PASS
3	3276.00	51.4	-59.38	-110.730	-13.00	46.38	PK	Horizo	PASS
4	4095.00	48.4	-58.55	-106.930	-13.00	45.55	PK	Horizo	PASS
5	4914.00	46.7	-56.60	-103.340	-13.00	43.60	PK	Horizo	PASS
6	5733.00	44.6	-56.05	-100.670	-13.00	43.05	PK	Horizo	PASS
7	6515.45	47.6	-50.39	-97.970	-13.00	37.39	PK	Horizo	PASS

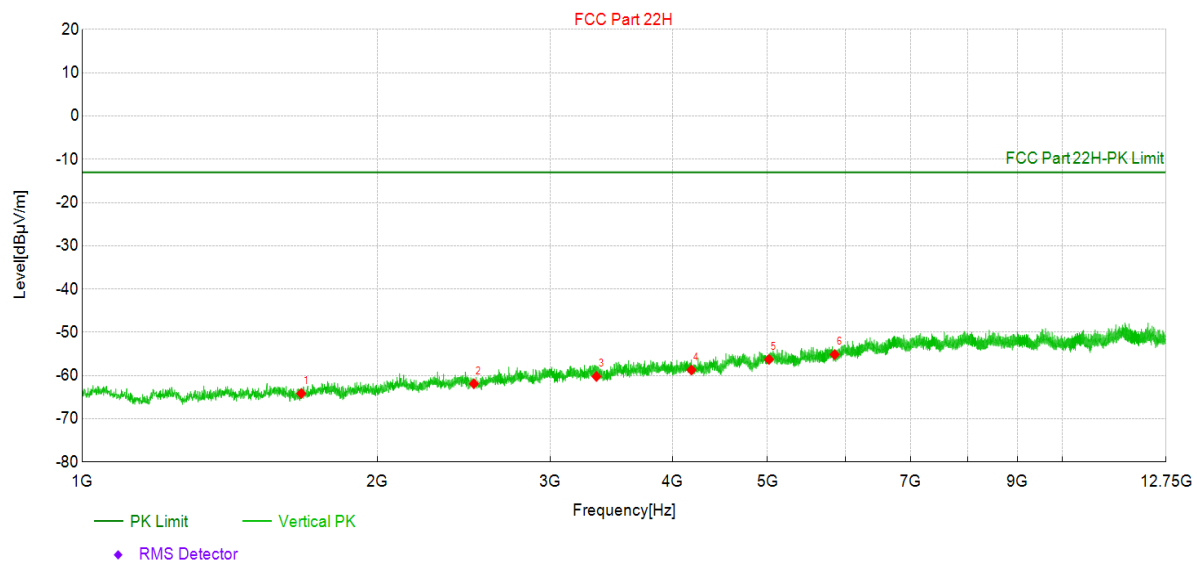
LTE band26A Traffic 819MHz*Test Graph***Data List**

NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	1638.00	51.9	-64.90	-116.830	-13.00	51.90	PK	Vertic	PASS
2	2457.00	51.7	-61.50	-113.220	-13.00	48.50	PK	Vertic	PASS
3	3276.00	51.1	-59.60	-110.730	-13.00	46.60	PK	Vertic	PASS
4	4095.00	48.5	-58.42	-106.930	-13.00	45.42	PK	Vertic	PASS
5	4914.00	46.9	-56.47	-103.340	-13.00	43.47	PK	Vertic	PASS
6	5733.00	45.9	-54.75	-100.670	-13.00	41.75	PK	Vertic	PASS

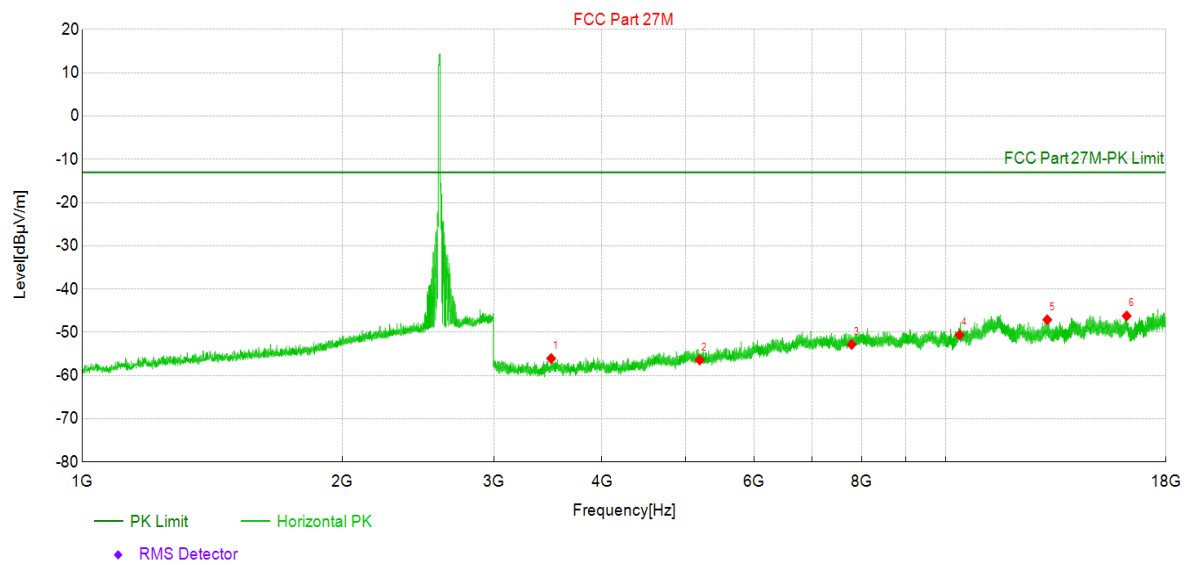
LTE band26B Traffic 836.5MHz



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	1673.00	54.9	-62.02	-116.950	-13.00	49.02	PK	Horizo	PASS
2	2509.50	52.7	-60.31	-112.960	-13.00	47.31	PK	Horizo	PASS
3	3346.00	51.0	-59.51	-110.530	-13.00	46.51	PK	Horizo	PASS
4	4182.50	48.1	-58.73	-106.840	-13.00	45.73	PK	Horizo	PASS
5	5019.00	47.5	-55.53	-103.020	-13.00	42.53	PK	Horizo	PASS
6	5855.50	45.1	-55.50	-100.570	-13.00	42.50	PK	Horizo	PASS

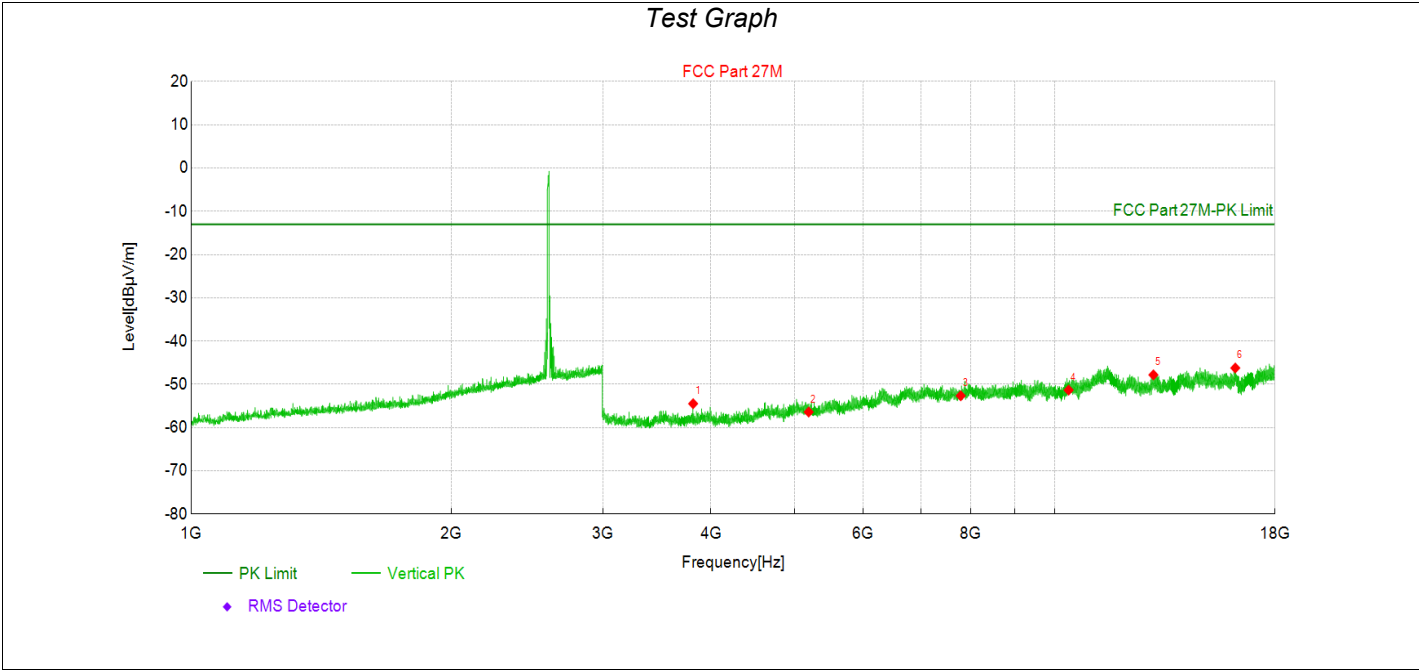
LTE band26B Traffic 836.5MHz*Test Graph***Data List**

NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	1673.00	52.8	-64.14	-116.950	-13.00	51.14	PK	Vertic	PASS
2	2509.50	51.1	-61.90	-112.960	-13.00	48.90	PK	Vertic	PASS
3	3346.00	50.3	-60.22	-110.530	-13.00	47.22	PK	Vertic	PASS
4	4182.50	48.1	-58.71	-106.840	-13.00	45.71	PK	Vertic	PASS
5	5019.00	46.8	-56.27	-103.020	-13.00	43.27	PK	Vertic	PASS
6	5855.50	45.4	-55.13	-100.570	-13.00	42.13	PK	Vertic	PASS

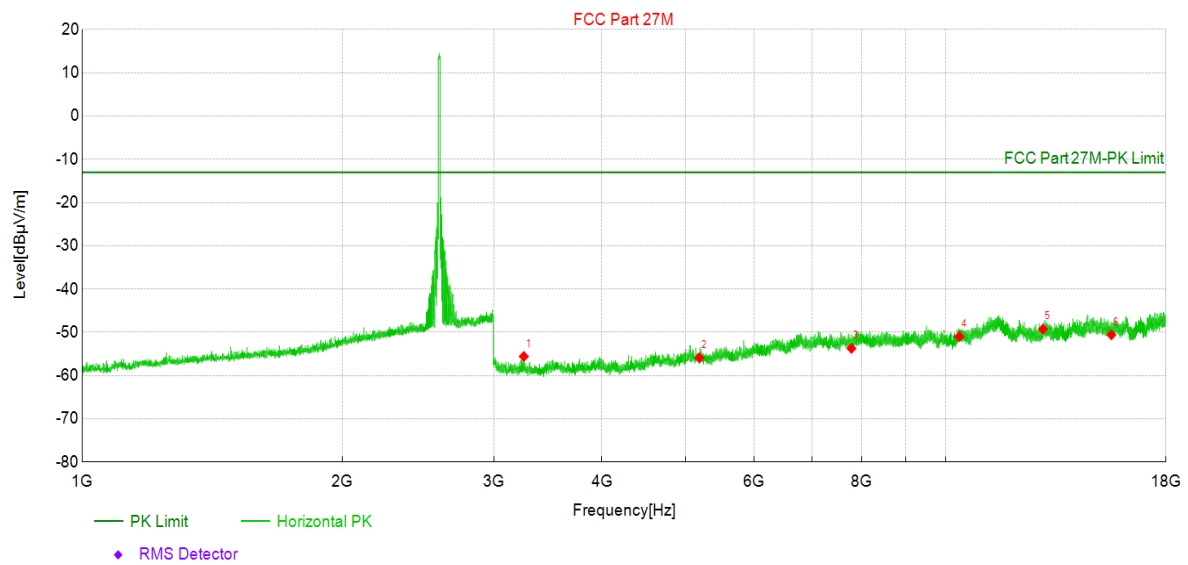
LTE band38 Traffic 2595MHz*Test Graph***Data List**

NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	3492.75	52.8	-56.06	-108.830	-13.00	43.06	PK	Horizo	PASS
2	5190.00	46.0	-56.40	-102.390	-13.00	43.40	PK	Horizo	PASS
3	7785.00	43.6	-52.82	-96.370	-13.00	39.82	PK	Horizo	PASS
4	10380.00	41.5	-50.60	-92.090	-13.00	37.60	PK	Horizo	PASS
5	13113.75	39.6	-47.10	-86.660	-13.00	34.10	PK	Horizo	PASS
6	16205.25	37.1	-46.21	-83.340	-13.00	33.21	PK	Horizo	PASS

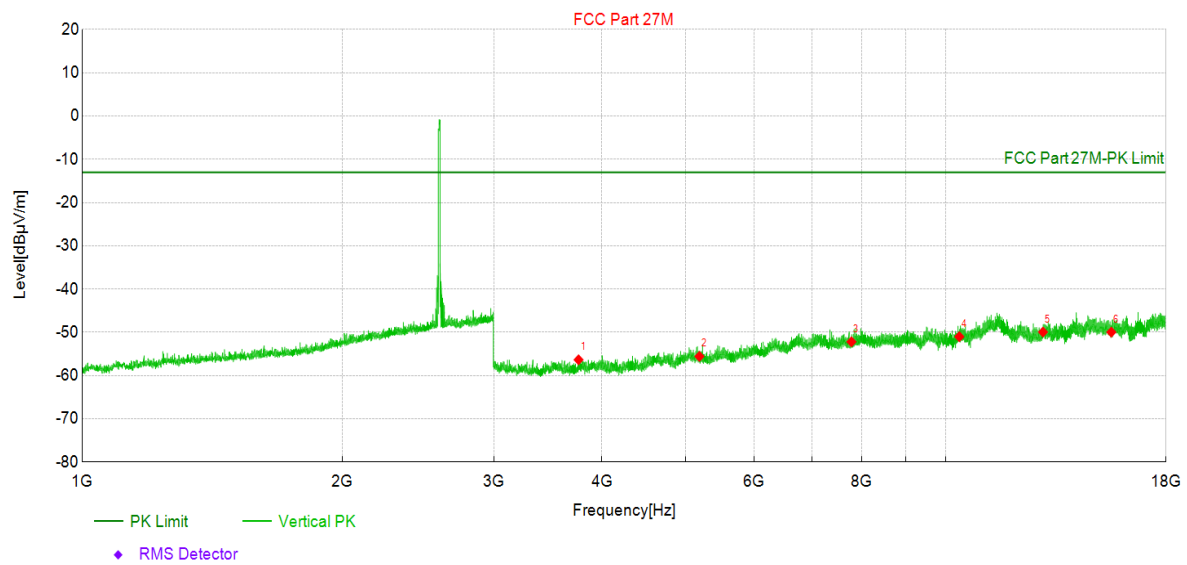
LTE band38 Traffic 2595MHz



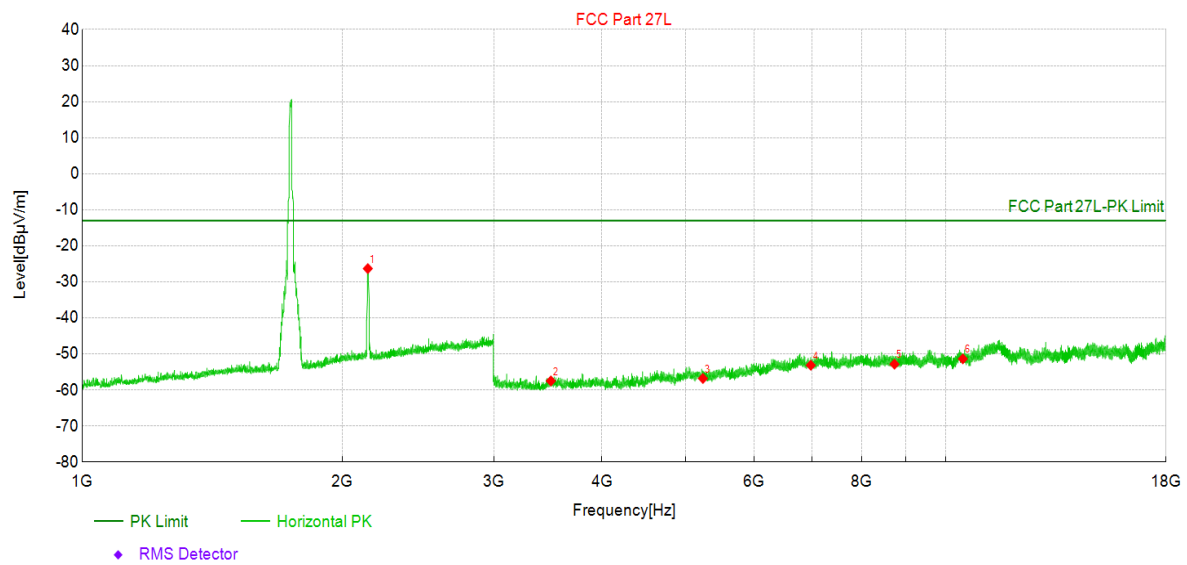
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	3813.75	52.8	-54.48	-107.270	-13.00	41.48	PK	Vertic	PASS
2	5190.00	46.0	-56.41	-102.390	-13.00	43.41	PK	Vertic	PASS
3	7785.00	43.7	-52.65	-96.370	-13.00	39.65	PK	Vertic	PASS
4	10380.00	40.8	-51.34	-92.090	-13.00	38.34	PK	Vertic	PASS
5	13014.00	38.5	-47.82	-86.280	-13.00	34.82	PK	Vertic	PASS
6	16189.50	37.2	-46.23	-83.400	-13.00	33.23	PK	Vertic	PASS

LTE band41 Traffic 2593MHz*Test Graph***Data List**

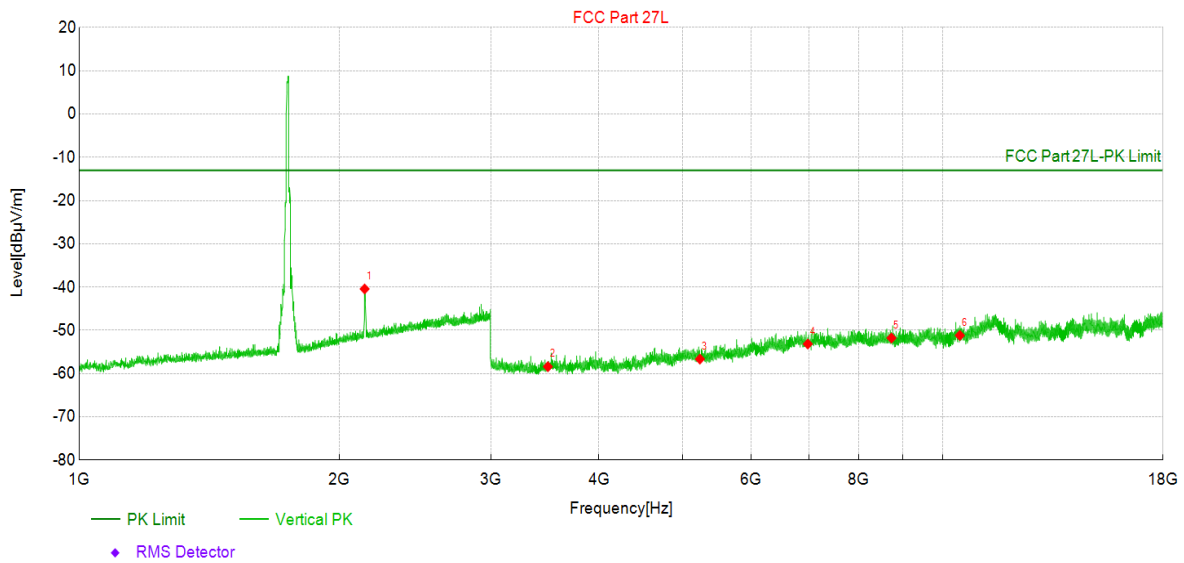
NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	3247.50	54.5	-55.58	-110.060	-13.00	42.58	PK	Horizo	PASS
2	5186.00	46.5	-55.90	-102.400	-13.00	42.90	PK	Horizo	PASS
3	7779.00	42.7	-53.73	-96.430	-13.00	40.73	PK	Horizo	PASS
4	10372.00	41.1	-50.99	-92.120	-13.00	37.99	PK	Horizo	PASS
5	12965.00	37.2	-49.27	-86.510	-13.00	36.27	PK	Horizo	PASS
6	15558.00	34.2	-50.59	-84.820	-13.00	37.59	PK	Horizo	PASS

LTE band41 Traffic 2593MHz*Test Graph***Data List**

NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	3757.50	51.3	-56.36	-107.650	-13.00	43.36	PK	Vertic	PASS
2	5186.00	46.8	-55.57	-102.400	-13.00	42.57	PK	Vertic	PASS
3	7779.00	44.2	-52.20	-96.430	-13.00	39.20	PK	Vertic	PASS
4	10372.00	41.1	-51.01	-92.120	-13.00	38.01	PK	Vertic	PASS
5	12965.00	36.6	-49.94	-86.510	-13.00	36.94	PK	Vertic	PASS
6	15558.00	34.9	-49.96	-84.820	-13.00	36.96	PK	Vertic	PASS

LTE band66 Traffic 1745MHz*Test Graph***Data List**

NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	2142.00	69.7	-26.32	-96.030	-13.00	13.32	PK	Horizo	PASS
2	3490.00	51.4	-57.50	-108.860	-13.00	44.50	PK	Horizo	PASS
3	5235.00	45.4	-56.81	-102.240	-13.00	43.81	PK	Horizo	PASS
4	6980.00	44.0	-53.14	-97.150	-13.00	40.14	PK	Horizo	PASS
5	8725.00	42.6	-52.84	-95.470	-13.00	39.84	PK	Horizo	PASS
6	10470.00	40.8	-51.36	-92.110	-13.00	38.36	PK	Horizo	PASS

LTE band66 Traffic 1745MHz**Test Graph****Data List**

NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	2141.00	55.6	-40.44	-96.030	-13.00	27.44	PK	Vertic	PASS
2	3490.00	50.5	-58.41	-108.860	-13.00	45.41	PK	Vertic	PASS
3	5235.00	45.6	-56.65	-102.240	-13.00	43.65	PK	Vertic	PASS
4	6980.00	44.0	-53.16	-97.150	-13.00	40.16	PK	Vertic	PASS
5	8725.00	43.7	-51.78	-95.470	-13.00	38.78	PK	Vertic	PASS
6	10470.00	40.9	-51.18	-92.110	-13.00	38.18	PK	Vertic	PASS

Note:

1. Level = Reading + Factor .

2. Margin = Limit - Level.

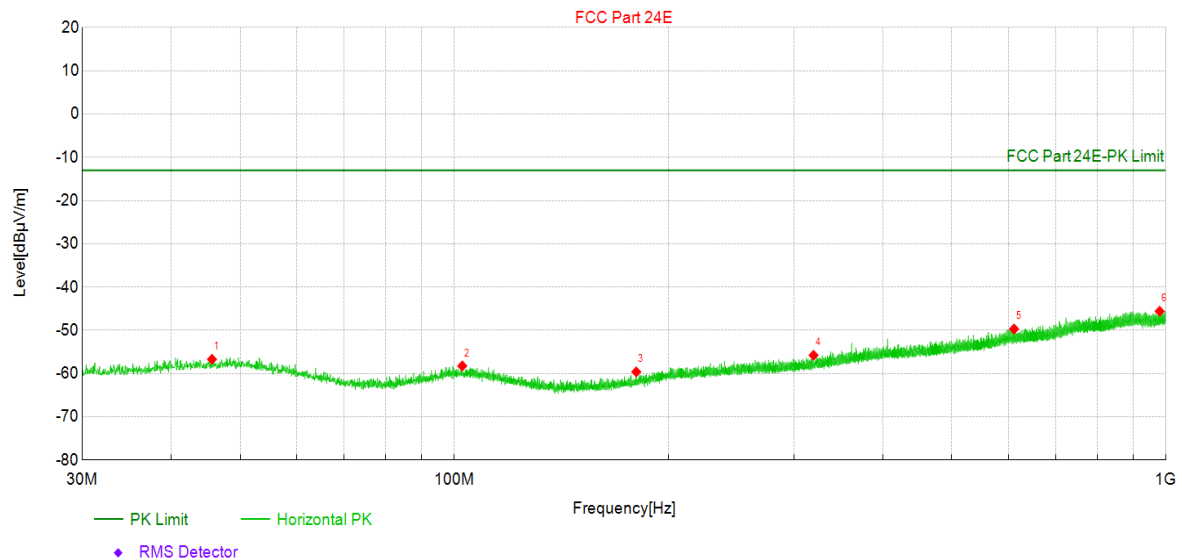
3. Spurious emissions level = Signal Generator Reading (dBm) - Cable loss (dB) + substitute antenna gain (dBi).

4. For each band, we tested all configurations and only the worst mode is shown in the report.

The worst case of Radiated Emission below 1GHz:

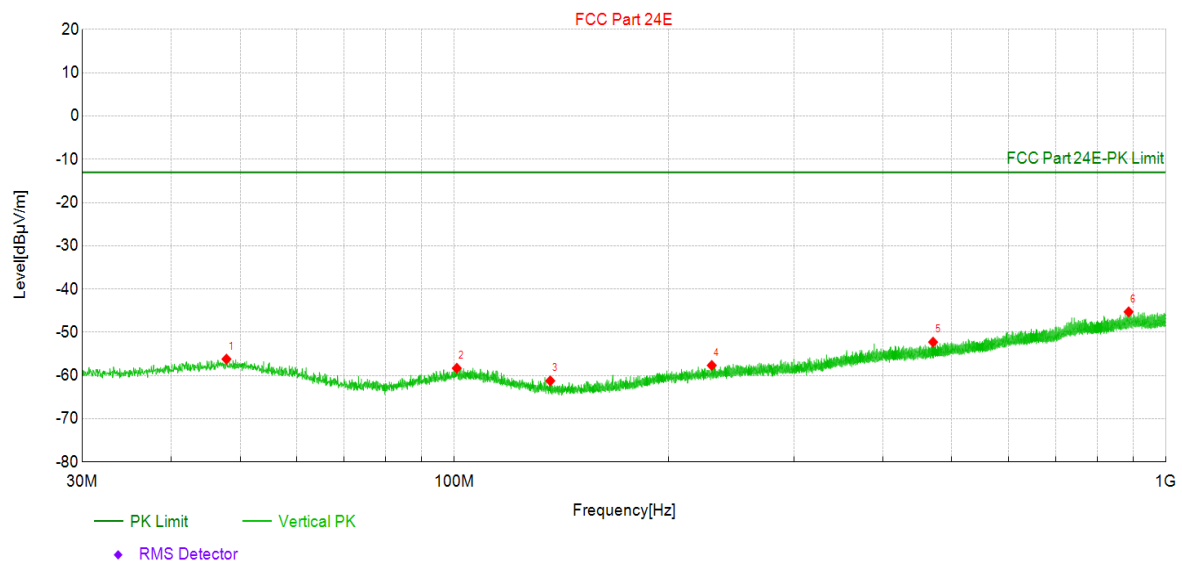
LTE band2 Traffic 1880MHz

Test Graph



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	45.67	23.9	-56.71	-80.640	-13.00	43.71	PK	Horizo	PASS
2	102.60	24.4	-58.24	-82.670	-13.00	45.24	PK	Horizo	PASS
3	180.16	25.1	-59.61	-84.680	-13.00	46.61	PK	Horizo	PASS
4	319.74	24.9	-55.77	-80.630	-13.00	42.77	PK	Horizo	PASS
5	611.56	25.5	-49.69	-75.220	-13.00	36.69	PK	Horizo	PASS
6	979.53	26.2	-45.60	-71.840	-13.00	32.60	PK	Horizo	PASS

LTE band2 Traffic 1880MHz**Test Graph****Data List**

NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	47.85	24.3	-56.20	-80.520	-13.00	43.20	PK	Vertic	PASS
2	100.81	24.3	-58.30	-82.610	-13.00	45.30	PK	Vertic	PASS
3	136.41	24.5	-61.22	-85.760	-13.00	48.22	PK	Vertic	PASS
4	230.01	24.8	-57.66	-82.430	-13.00	44.66	PK	Vertic	PASS
5	470.67	25.8	-52.26	-78.060	-13.00	39.26	PK	Vertic	PASS
6	886.17	27.2	-45.27	-72.510	-13.00	32.27	PK	Vertic	PASS

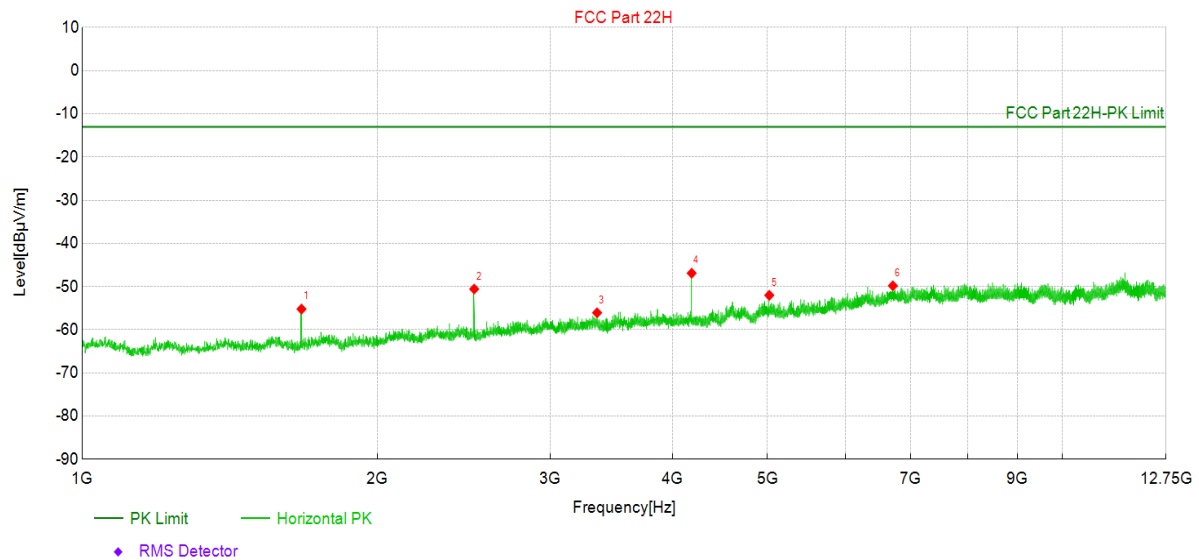
Note:

1. Level = Reading + Factor

2. Margin = Limit - Level

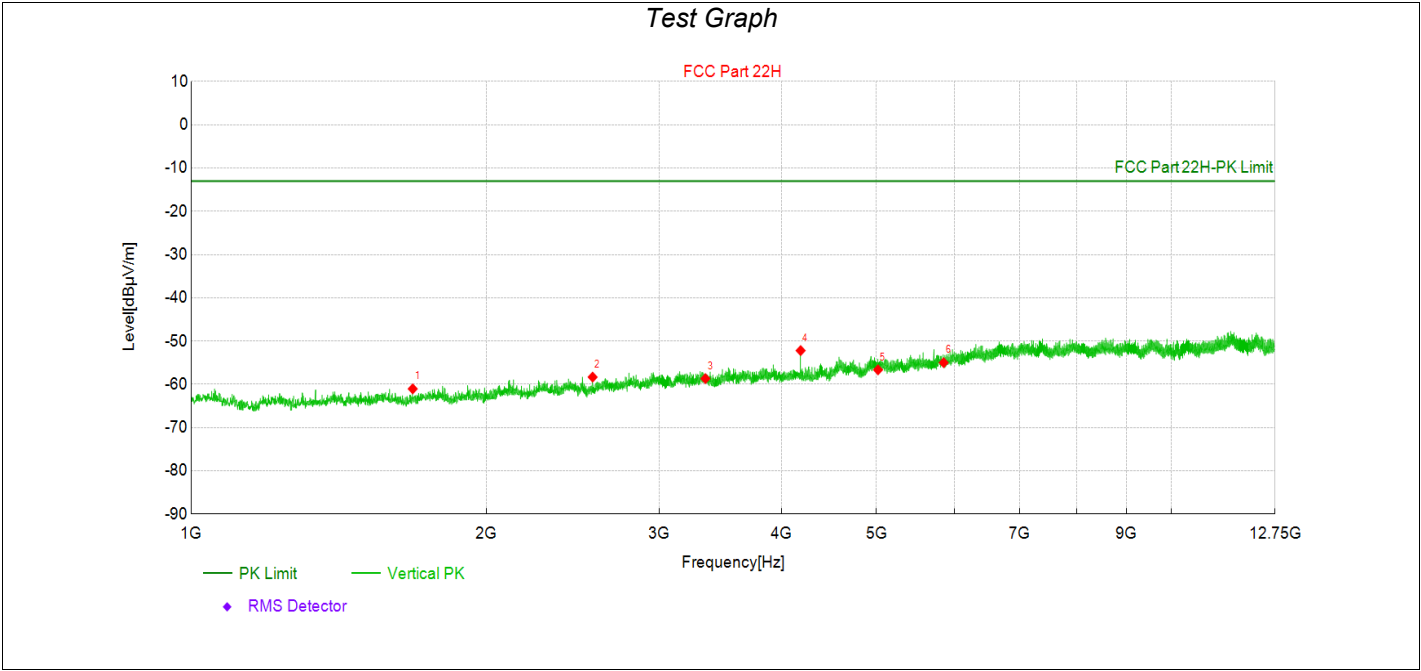
3. Spurious emissions level = Signal Generator Reading (dBm) - Cable loss (dB) + substitute antenna gain (dBi)

4. For each band, we tested all configurations and only the worst mode is shown in the report.

ANT 1:**GSM:****GSM850 Traffic****Test Graph****Data List**

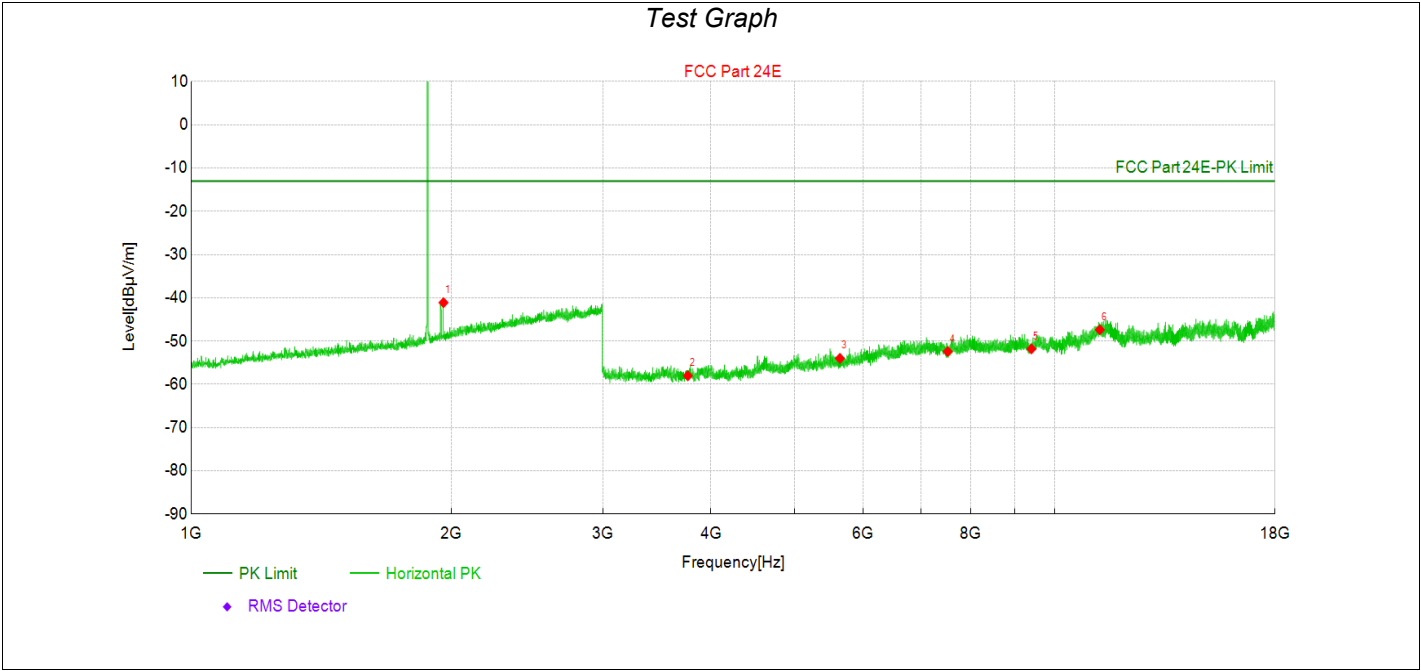
NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	1673.86	61.7	-55.22	-116.950	-13.00	42.22	PK	Horizo	PASS
2	2511.05	62.4	-50.58	-112.950	-13.00	37.58	PK	Horizo	PASS
3	3351.18	54.5	-56.07	-110.520	-13.00	43.07	PK	Horizo	PASS
4	4184.84	59.9	-46.90	-106.830	-13.00	33.90	PK	Horizo	PASS
5	5022.03	51.0	-52.02	-103.010	-13.00	39.02	PK	Horizo	PASS
6	6712.85	47.5	-49.82	-97.290	-13.00	36.82	PK	Horizo	PASS

GSM850 Traffic

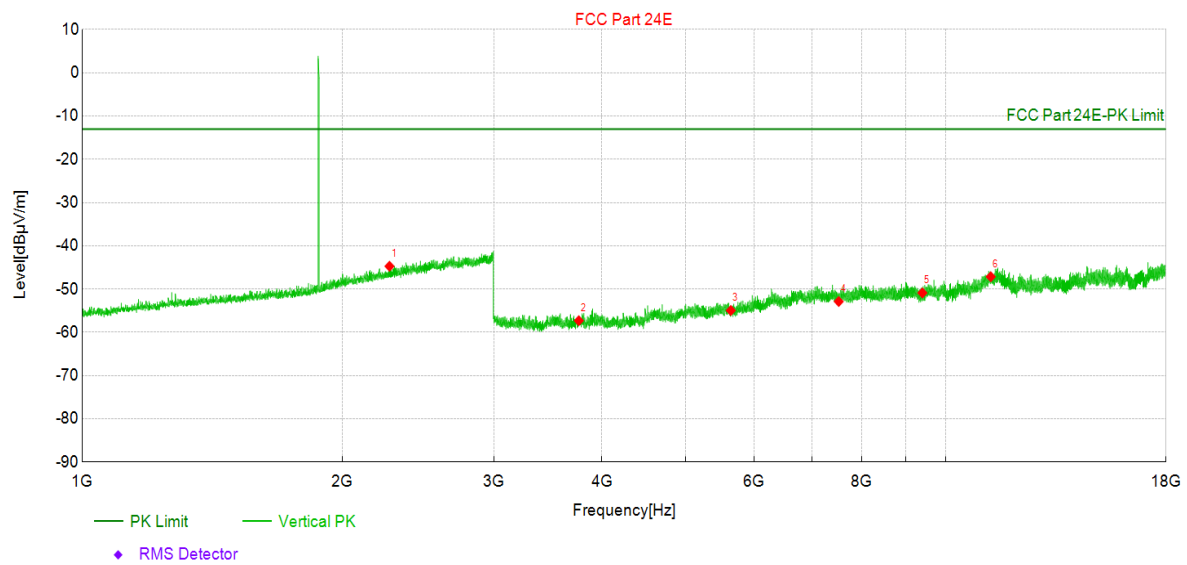


Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	1682.68	55.9	-61.05	-116.980	-13.00	48.05	PK	Vertic	PASS
2	2567.45	54.5	-58.33	-112.850	-13.00	45.33	PK	Vertic	PASS
3	3346.00	51.9	-58.68	-110.530	-13.00	45.68	PK	Vertic	PASS
4	4184.84	54.6	-52.20	-106.830	-13.00	39.20	PK	Vertic	PASS
5	5019.00	46.4	-56.65	-103.020	-13.00	43.65	PK	Vertic	PASS
6	5855.50	45.6	-55.00	-100.570	-13.00	42.00	PK	Vertic	PASS

GSM1900 Traffic



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	1960.00	56.1	-41.11	-97.220	-13.00	28.11	PK	Horizo	PASS
2	3760.00	49.6	-58.03	-107.620	-13.00	45.03	PK	Horizo	PASS
3	5640.00	47.1	-54.00	-101.070	-13.00	41.00	PK	Horizo	PASS
4	7520.00	44.6	-52.42	-97.000	-13.00	39.42	PK	Horizo	PASS
5	9400.00	42.3	-51.81	-94.130	-13.00	38.81	PK	Horizo	PASS
6	11280.00	40.8	-47.39	-88.170	-13.00	34.39	PK	Horizo	PASS

GSM1900 Traffic*Test Graph***Data List**

NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	2269.50	50.8	-44.73	-95.560	-13.00	31.73	PK	Vertic	PASS
2	3760.00	50.3	-57.31	-107.620	-13.00	44.31	PK	Vertic	PASS
3	5640.00	46.1	-54.95	-101.070	-13.00	41.95	PK	Vertic	PASS
4	7520.00	44.1	-52.88	-97.000	-13.00	39.88	PK	Vertic	PASS
5	9400.00	43.2	-50.89	-94.130	-13.00	37.89	PK	Vertic	PASS
6	11280.00	41.0	-47.15	-88.170	-13.00	34.15	PK	Vertic	PASS

Note:

1. Level = Reading + Factor.

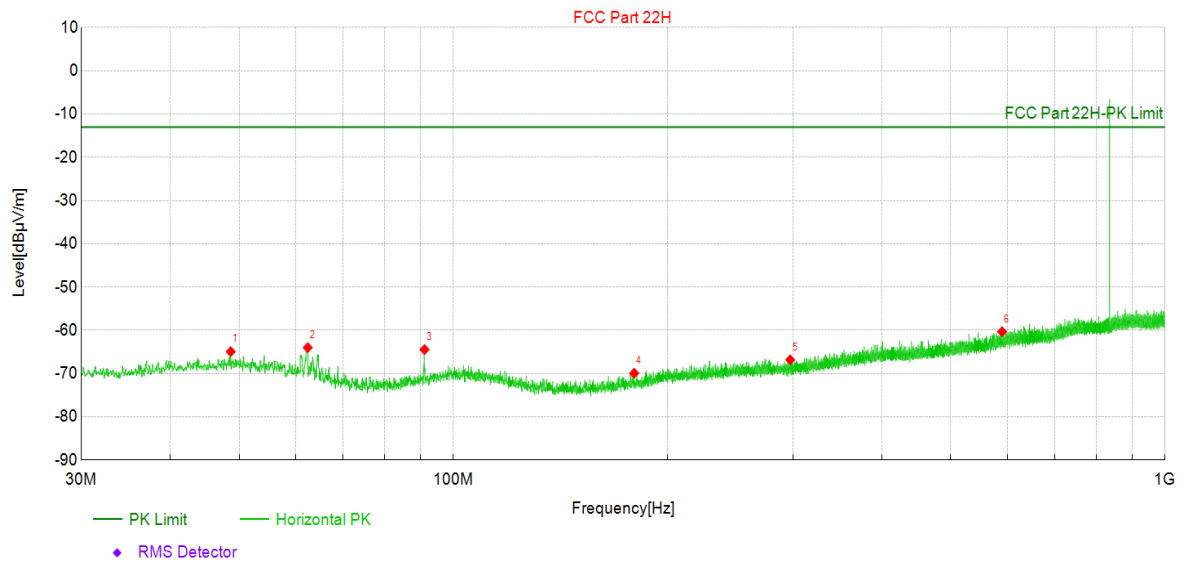
2. Margin = Limit - Level.

3. Spurious emissions level = Signal Generator Reading (dBm) - Cable loss (dB) + substitute antenna gain (dBi).

4. For each band, we tested all configurations and only the worst mode is shown in the report.

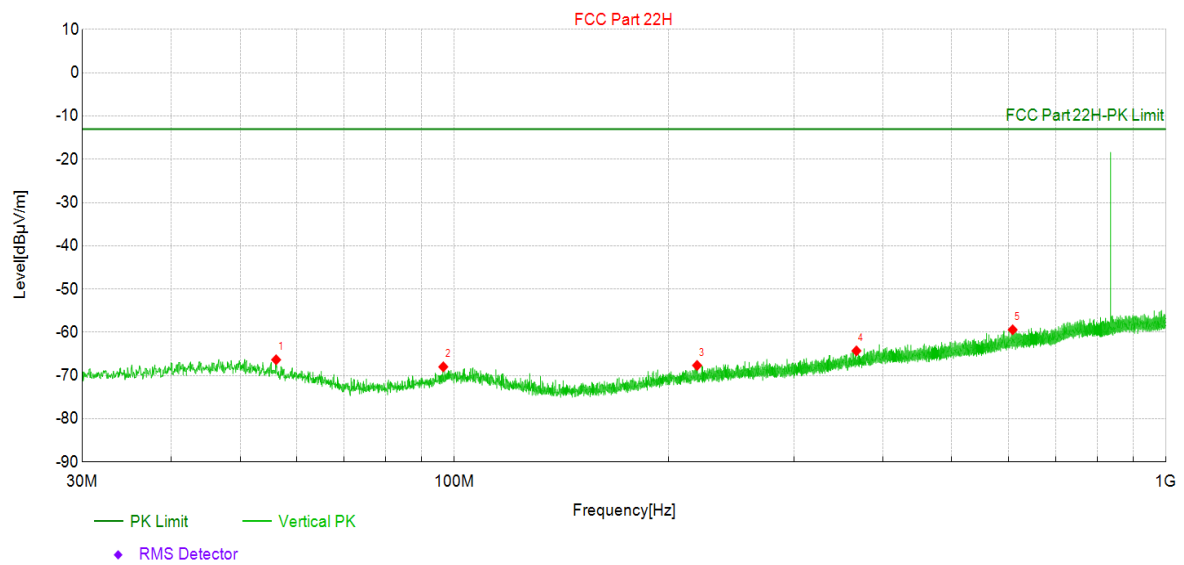
The worst case of Radiated Emission below 1GHz: GSM850 Traffic

Test Graph



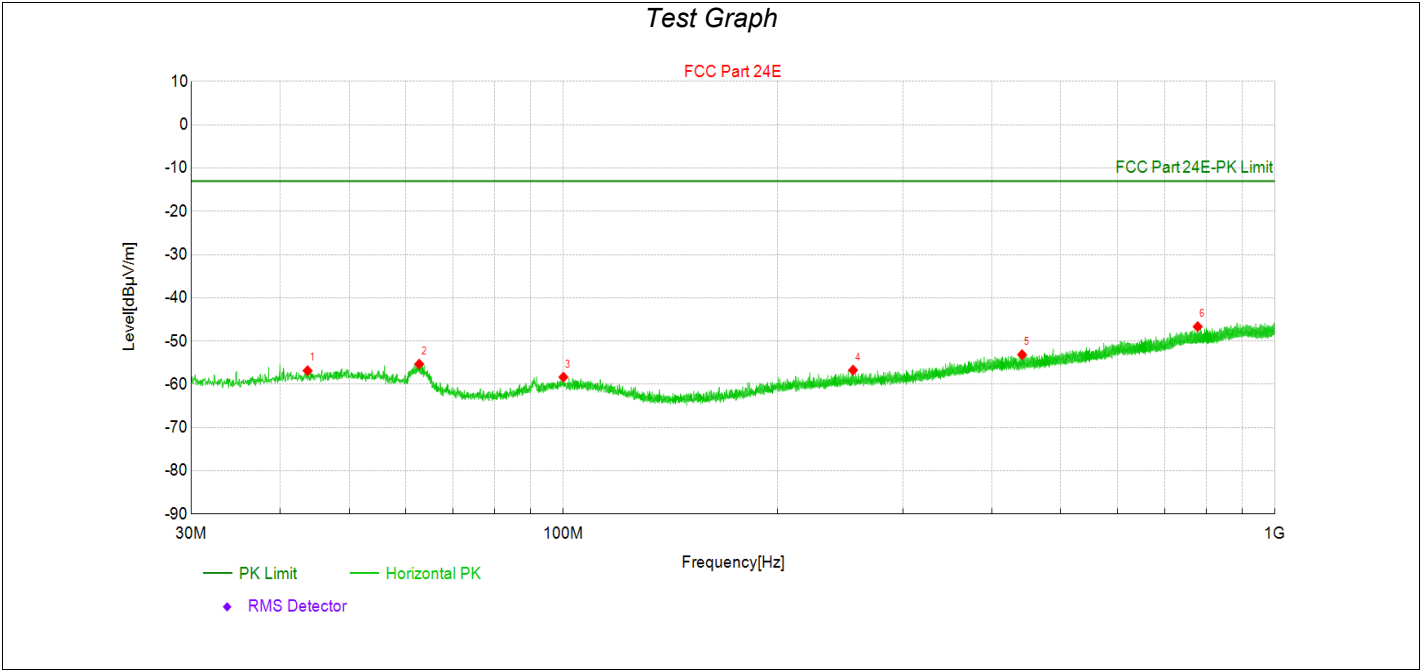
Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	48.67	15.5	-64.94	-80.470	-13.00	51.94	PK	Horizo	PASS
2	62.45	19.0	-64.00	-83.030	-13.00	51.00	PK	Horizo	PASS
3	91.11	19.4	-64.45	-83.890	-13.00	51.45	PK	Horizo	PASS
4	179.57	14.8	-69.92	-84.710	-13.00	56.92	PK	Horizo	PASS
5	297.43	14.3	-66.83	-81.160	-13.00	53.83	PK	Horizo	PASS
6	590.13	15.2	-60.32	-75.550	-13.00	47.32	PK	Horizo	PASS

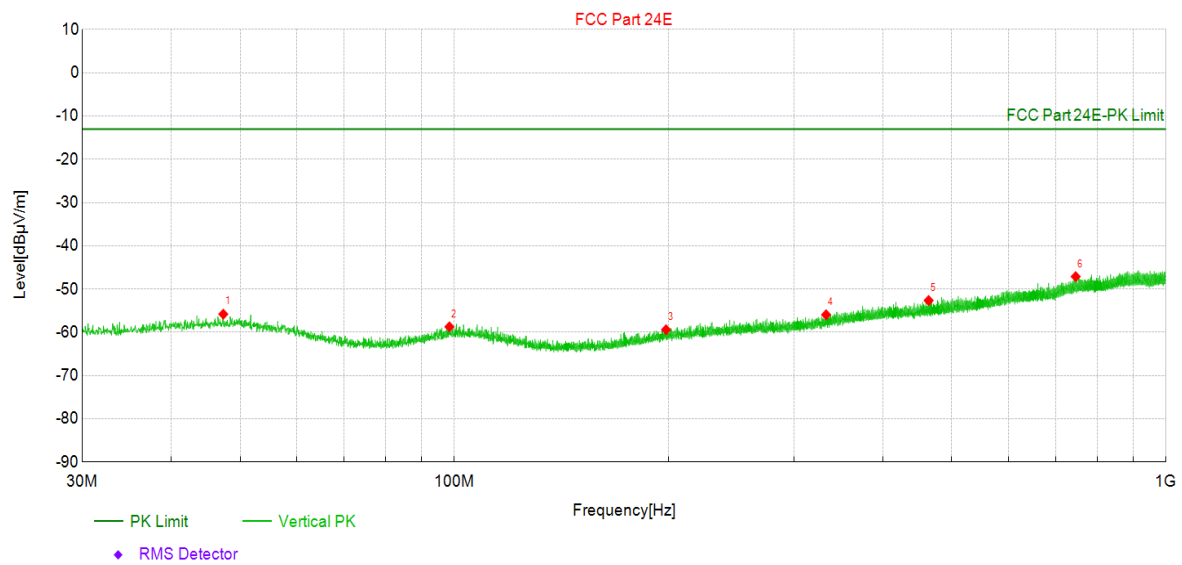
GSM850 Traffic*Test Graph***Data List**

NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	56.19	15.3	-66.35	-81.640	-13.00	53.35	PK	Vertic	PASS
2	96.49	15.1	-67.98	-83.080	-13.00	54.98	PK	Vertic	PASS
3	219.34	15.0	-67.66	-82.700	-13.00	54.66	PK	Vertic	PASS
4	367.27	15.2	-64.29	-79.520	-13.00	51.29	PK	Vertic	PASS
5	608.85	15.8	-59.41	-75.220	-13.00	46.41	PK	Vertic	PASS

GSM1900 Traffic



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	43.73	24.0	-56.85	-80.830	-13.00	43.85	PK	Horizo	PASS
2	62.74	27.8	-55.33	-83.090	-13.00	42.33	PK	Horizo	PASS
3	100.03	24.2	-58.34	-82.580	-13.00	45.34	PK	Horizo	PASS
4	255.33	25.1	-56.72	-81.790	-13.00	43.72	PK	Horizo	PASS
5	441.13	25.4	-53.14	-78.550	-13.00	40.14	PK	Horizo	PASS
6	778.74	26.8	-46.67	-73.510	-13.00	33.67	PK	Horizo	PASS

GSM1900 Traffic*Test Graph***Data List**

NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	47.36	24.7	-55.81	-80.550	-13.00	42.81	PK	Vertic	PASS
2	98.43	24.1	-58.73	-82.800	-13.00	45.73	PK	Vertic	PASS
3	198.39	24.0	-59.40	-83.370	-13.00	46.40	PK	Vertic	PASS
4	332.98	24.3	-55.94	-80.200	-13.00	42.94	PK	Vertic	PASS
5	463.93	25.5	-52.64	-78.160	-13.00	39.64	PK	Vertic	PASS
6	746.54	26.6	-47.12	-73.720	-13.00	34.12	PK	Vertic	PASS

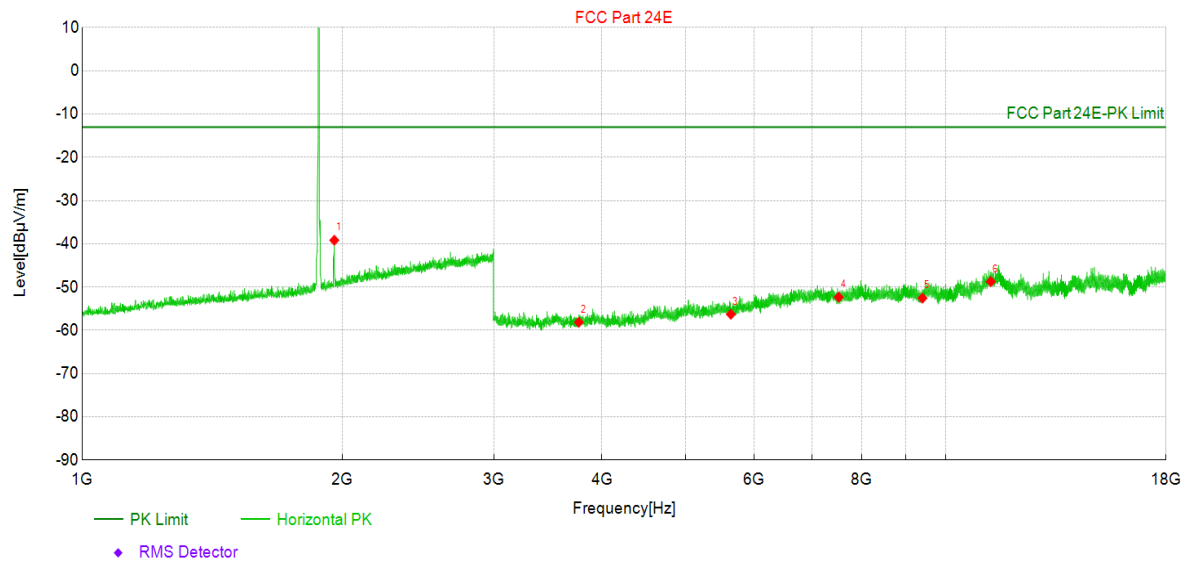
Note:

1. Level = Reading + Factor

2. Margin = Limit - Level

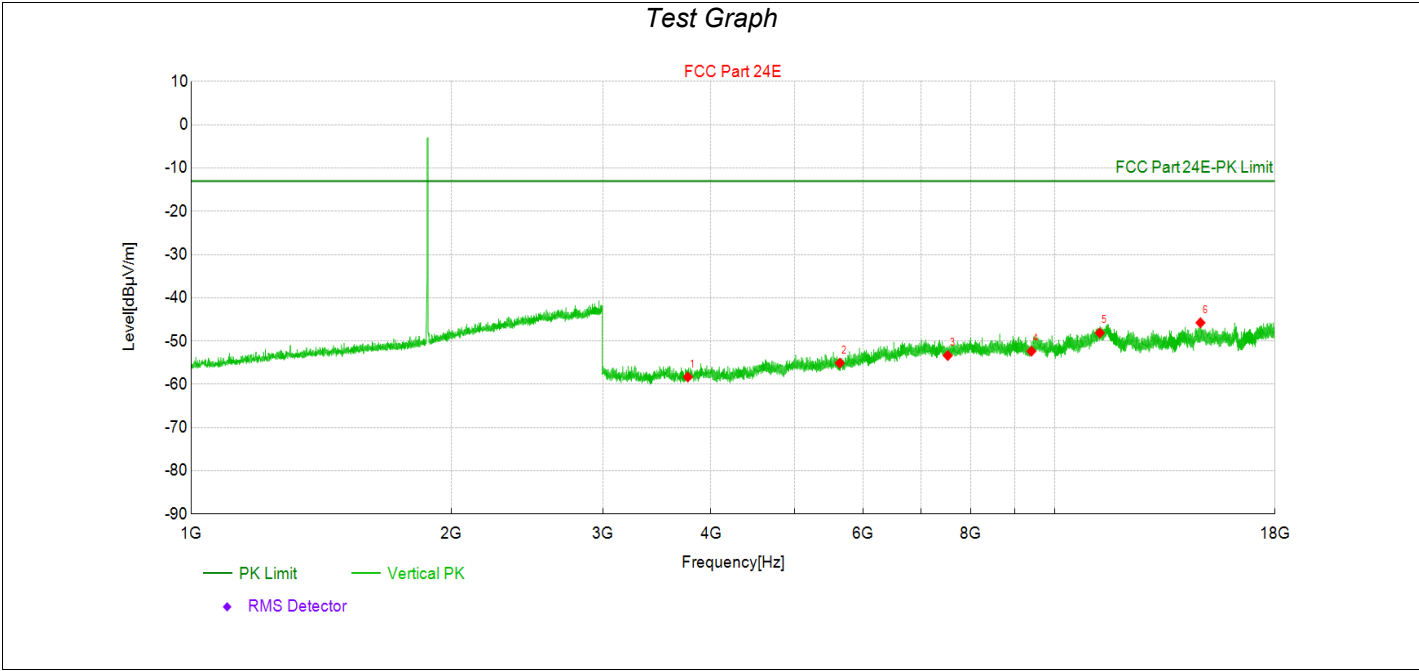
3. Spurious emissions level = Signal Generator Reading (dBm) - Cable loss (dB) + substitute antenna gain (dBi)

4. For each band, we tested all configurations and only the worst mode is shown in the report.

WCDMA:**WCDMA band2 Traffic 1880MHz***Test Graph***Data List**

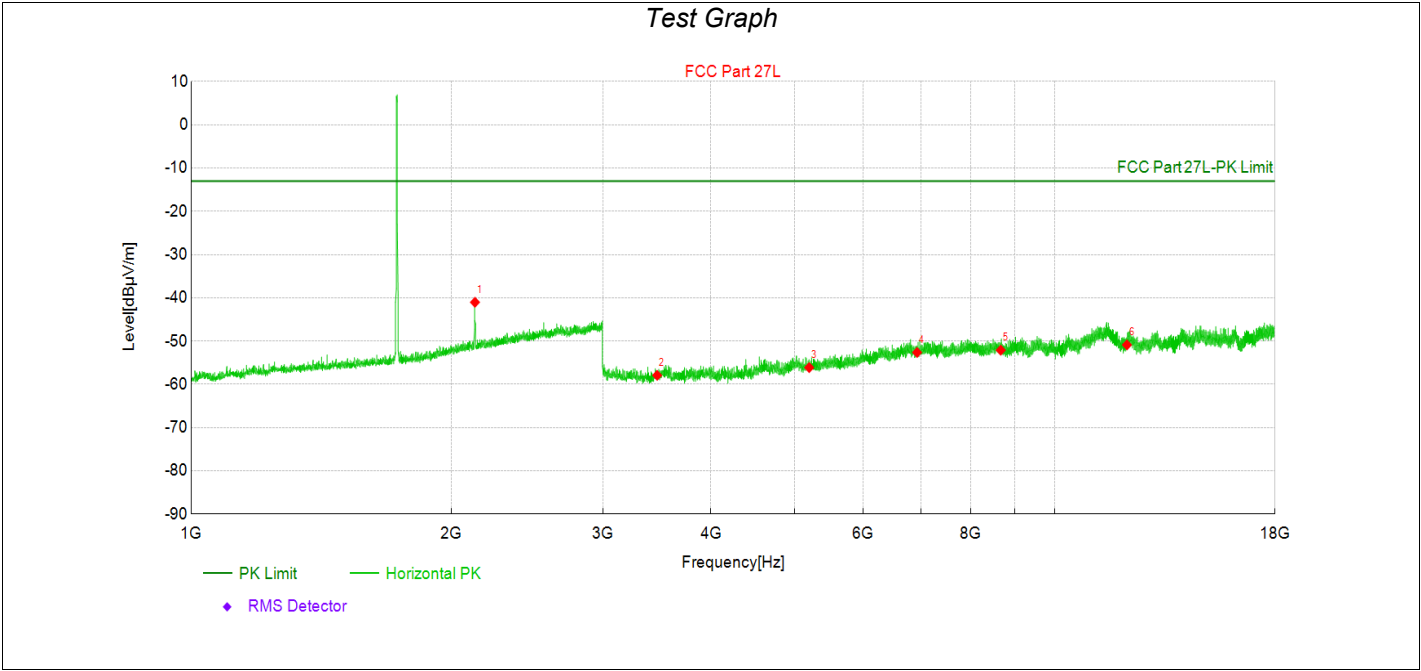
NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	1959.00	58.1	-39.17	-97.220	-13.00	26.17	PK	Horizo	PASS
2	3760.00	49.5	-58.15	-107.620	-13.00	45.15	PK	Horizo	PASS
3	5640.00	44.8	-56.29	-101.070	-13.00	43.29	PK	Horizo	PASS
4	7520.00	44.7	-52.34	-97.000	-13.00	39.34	PK	Horizo	PASS
5	9400.00	41.6	-52.57	-94.130	-13.00	39.57	PK	Horizo	PASS
6	11280.00	39.4	-48.75	-88.170	-13.00	35.75	PK	Horizo	PASS

WCDMA band2 Traffic 1880MHz



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	3760.00	49.3	-58.31	-107.620	-13.00	45.31	PK	Vertic	PASS
2	5640.00	46.0	-55.08	-101.070	-13.00	42.08	PK	Vertic	PASS
3	7520.00	43.7	-53.35	-97.000	-13.00	40.35	PK	Vertic	PASS
4	9400.00	41.8	-52.34	-94.130	-13.00	39.34	PK	Vertic	PASS
5	11280.00	40.1	-48.11	-88.170	-13.00	35.11	PK	Vertic	PASS
6	14753.25	39.6	-45.76	-85.390	-13.00	32.76	PK	Vertic	PASS

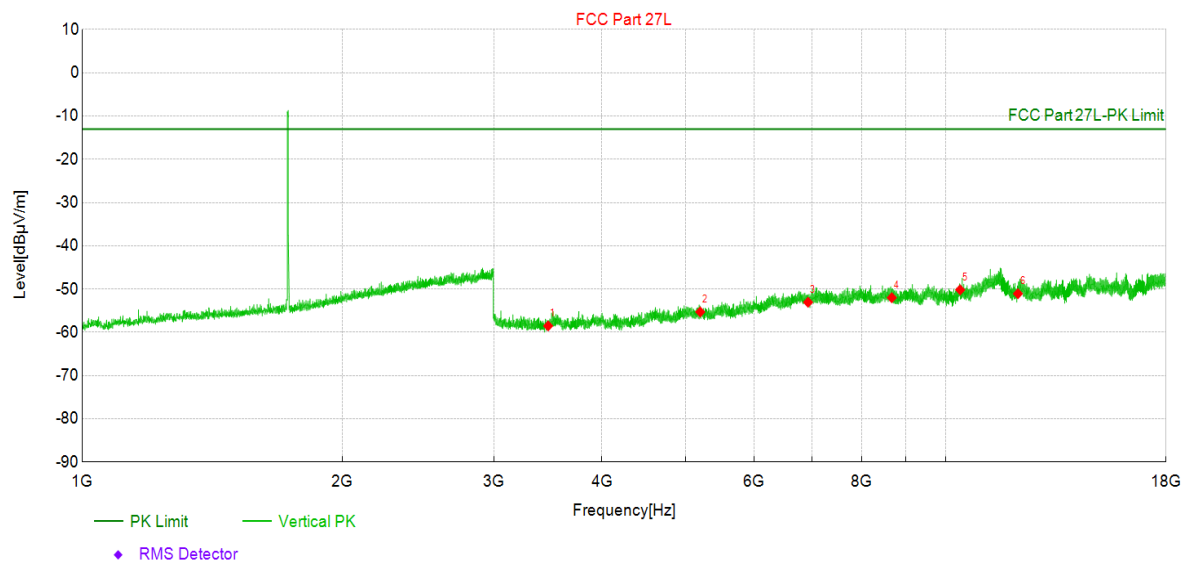
WCDMA band4 Traffic 1732.5MHz



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	2131.50	55.0	-41.03	-96.070	-13.00	28.03	PK	Horizo	PASS
2	3465.00	51.3	-57.93	-109.190	-13.00	44.93	PK	Horizo	PASS
3	5197.50	46.3	-56.13	-102.380	-13.00	43.13	PK	Horizo	PASS
4	6930.00	44.4	-52.64	-97.010	-13.00	39.64	PK	Horizo	PASS
5	8662.50	43.4	-52.11	-95.510	-13.00	39.11	PK	Horizo	PASS
6	12127.50	38.0	-50.89	-88.870	-13.00	37.89	PK	Horizo	PASS

WCDMA band4 Traffic 1732.5MHz

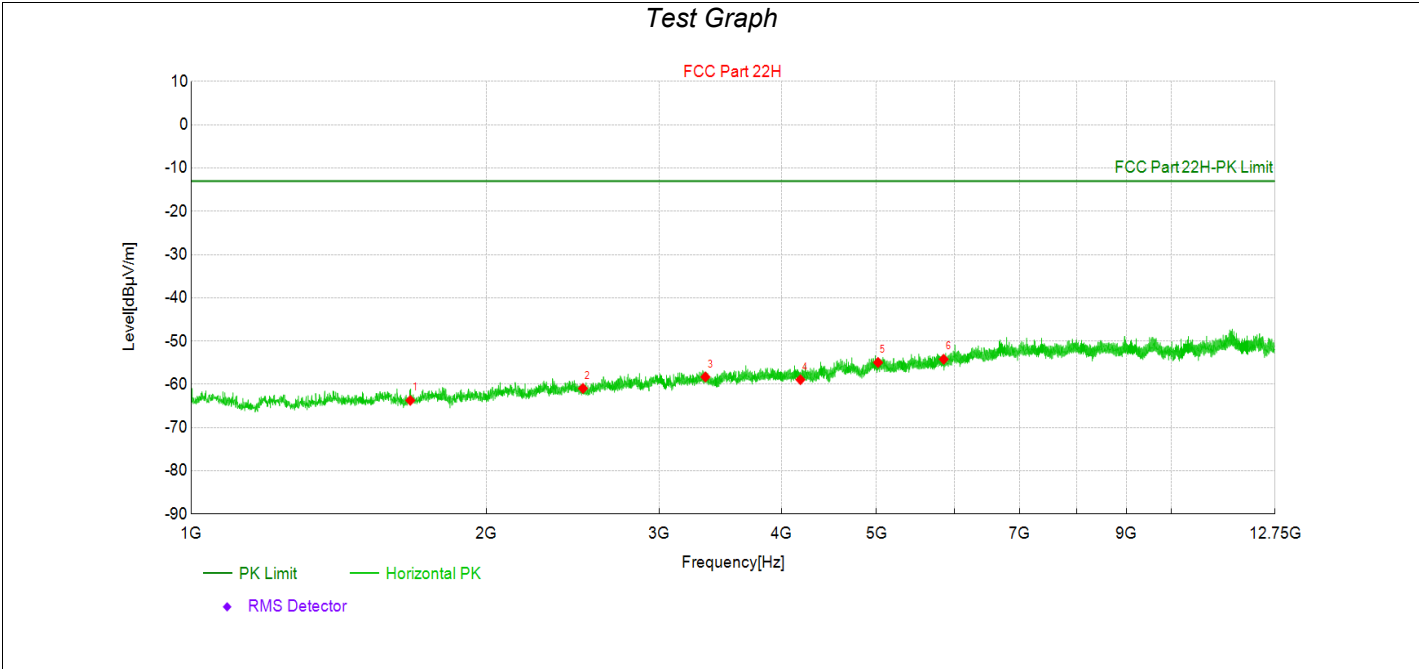
Test Graph



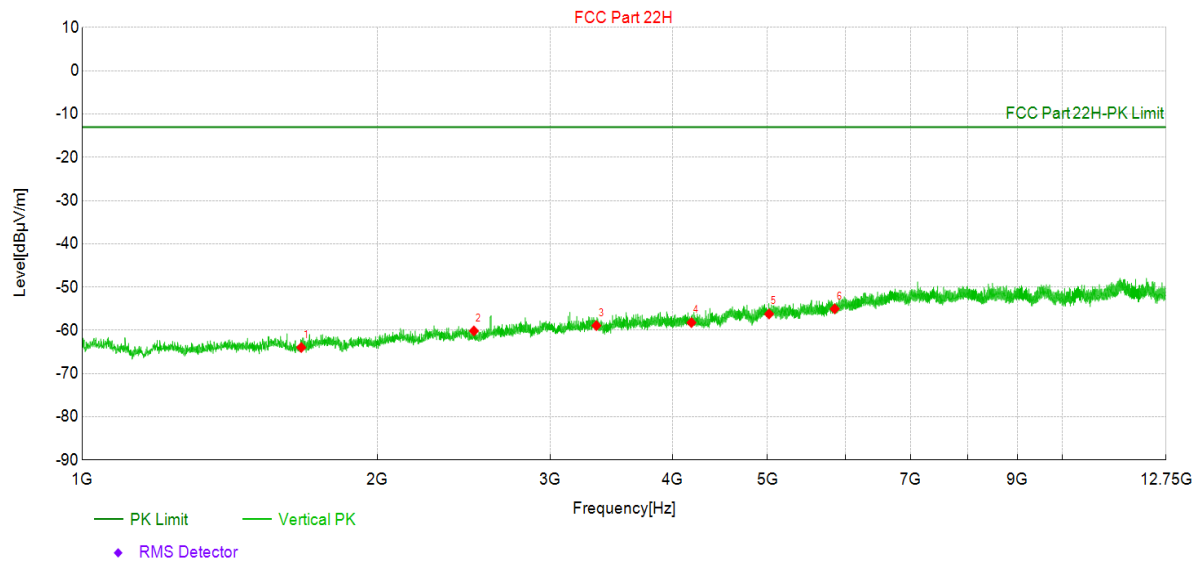
Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	3465.00	50.7	-58.52	-109.190	-13.00	45.52	PK	Vertic	PASS
2	5197.50	47.1	-55.29	-102.380	-13.00	42.29	PK	Vertic	PASS
3	6930.00	44.0	-53.05	-97.010	-13.00	40.05	PK	Vertic	PASS
4	8662.50	43.5	-52.00	-95.510	-13.00	39.00	PK	Vertic	PASS
5	10395.00	41.9	-50.18	-92.050	-13.00	37.18	PK	Vertic	PASS
6	12127.50	37.8	-51.07	-88.870	-13.00	38.07	PK	Vertic	PASS

WCDMA band5 Traffic 836.6MHz



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	1673.00	53.2	-63.73	-116.950	-13.00	50.73	PK	Horizo	PASS
2	2509.50	52.0	-60.95	-112.960	-13.00	47.95	PK	Horizo	PASS
3	3346.00	52.2	-58.30	-110.530	-13.00	45.30	PK	Horizo	PASS
4	4182.50	47.9	-58.93	-106.840	-13.00	45.93	PK	Horizo	PASS
5	5019.00	48.1	-54.95	-103.020	-13.00	41.95	PK	Horizo	PASS
6	5855.50	46.4	-54.21	-100.570	-13.00	41.21	PK	Horizo	PASS

WCDMA band5 Traffic 836.6MHz*Test Graph***Data List**

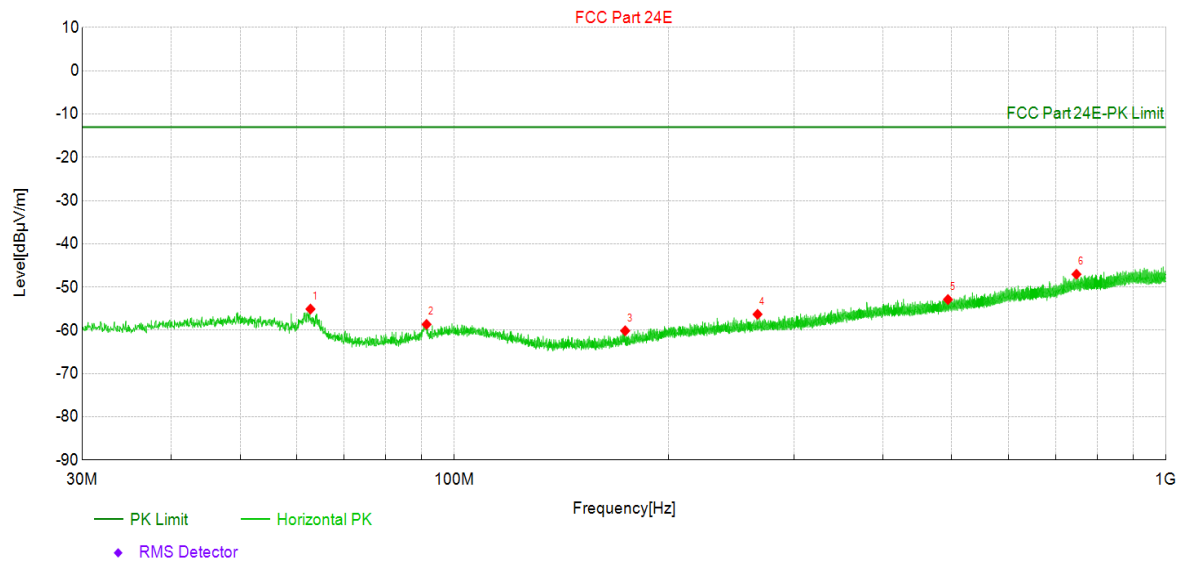
NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	1673.00	53.0	-63.97	-116.950	-13.00	50.97	PK	Vertic	PASS
2	2509.50	52.8	-60.15	-112.960	-13.00	47.15	PK	Vertic	PASS
3	3346.00	51.6	-58.91	-110.530	-13.00	45.91	PK	Vertic	PASS
4	4182.50	48.6	-58.23	-106.840	-13.00	45.23	PK	Vertic	PASS
5	5019.00	46.8	-56.23	-103.020	-13.00	43.23	PK	Vertic	PASS
6	5855.50	45.5	-55.03	-100.570	-13.00	42.03	PK	Vertic	PASS

Note:

1. Level = Reading + Factor
2. Margin = Limit - Level
3. Spurious emissions level = Signal Generator Reading (dBm) - Cable loss (dB) + substitute antenna gain (dBi)
4. For each band, we tested all configurations and only the worst mode is shown in the report.

The worst case of Radiated Emission below 1GHz:
WCDMA band2 Traffic 1880MHz

Test Graph

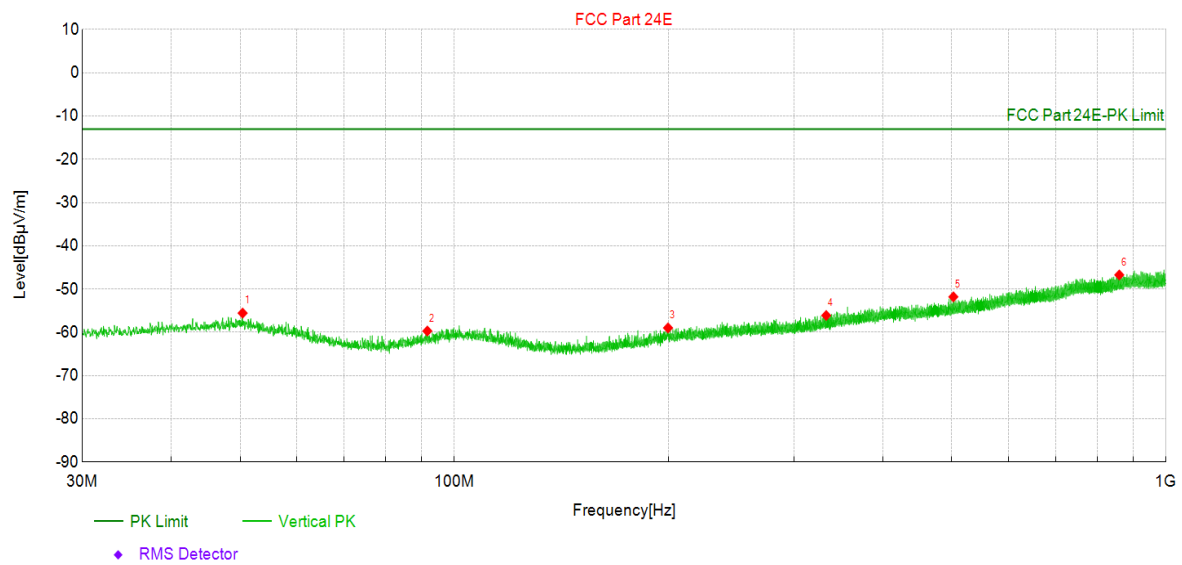


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	62.79	28.0	-55.09	-83.110	-13.00	42.09	PK	Horizo	PASS
2	91.40	25.2	-58.64	-83.840	-13.00	45.64	PK	Horizo	PASS
3	173.80	24.8	-60.12	-84.960	-13.00	47.12	PK	Horizo	PASS
4	266.73	25.3	-56.30	-81.610	-13.00	43.30	PK	Horizo	PASS
5	493.85	24.8	-52.89	-77.660	-13.00	39.89	PK	Horizo	PASS
6	748.38	26.6	-47.04	-73.670	-13.00	34.04	PK	Horizo	PASS

WCDMA band2 Traffic 1880MHz

Test Graph



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	50.42	24.9	-55.56	-80.500	-13.00	42.56	PK	Vertic	PASS
2	91.64	24.1	-59.70	-83.810	-13.00	46.70	PK	Vertic	PASS
3	199.65	24.3	-58.98	-83.290	-13.00	45.98	PK	Vertic	PASS
4	333.08	24.1	-56.10	-80.190	-13.00	43.10	PK	Vertic	PASS
5	502.58	25.7	-51.80	-77.460	-13.00	38.80	PK	Vertic	PASS
6	859.59	25.9	-46.73	-72.660	-13.00	33.73	PK	Vertic	PASS

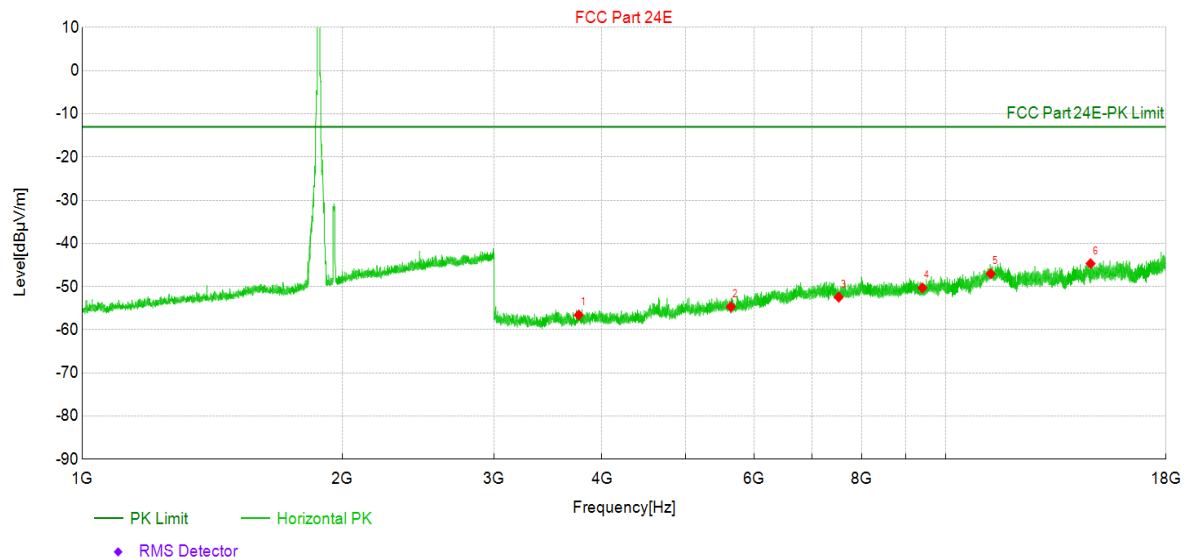
Note:

1. Level = Reading + Factor

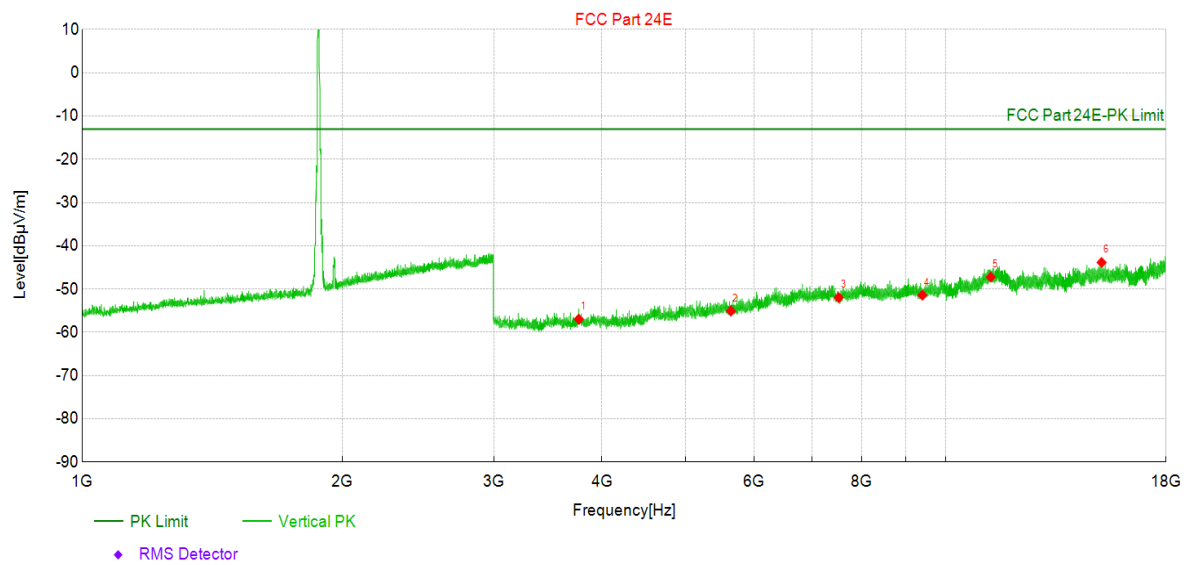
2. Margin = Limit - Level

3. Spurious emissions level = Signal Generator Reading (dBm) - Cable loss (dB) + substitute antenna gain (dBi).

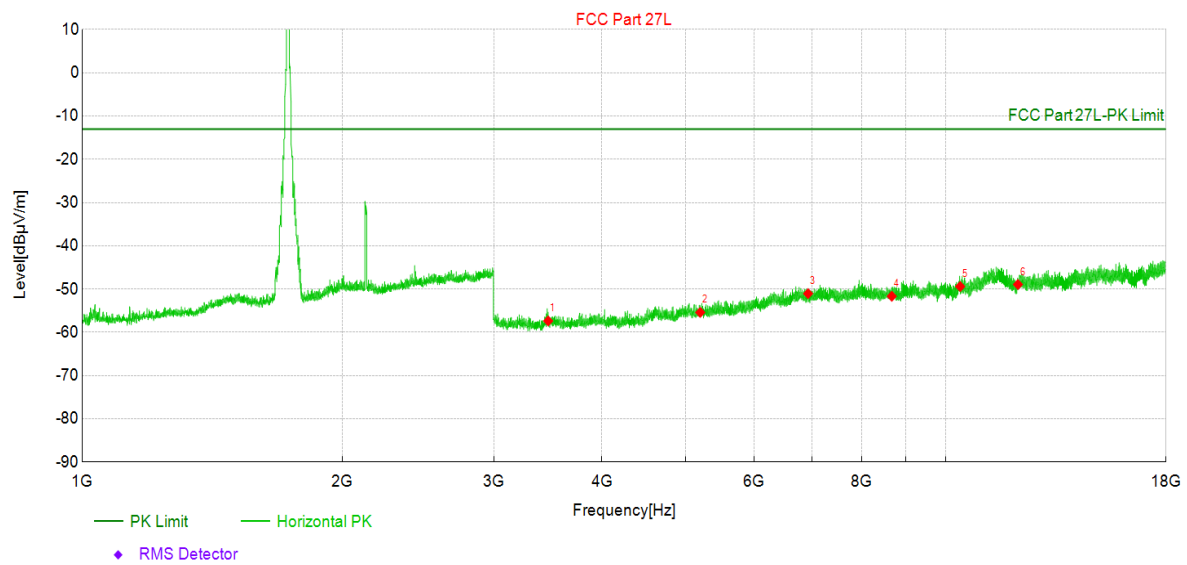
4. For each band, we tested all configurations and only the worst mode is shown in the report.

LTE :**LTE band2 Traffic 1880MHz***Test Graph***Data List**

NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	3760.00	51.0	-56.59	-107.620	-13.00	43.59	PK	Horizo	PASS
2	5640.00	46.4	-54.68	-101.070	-13.00	41.68	PK	Horizo	PASS
3	7520.00	44.5	-52.47	-97.000	-13.00	39.47	PK	Horizo	PASS
4	9400.00	43.8	-50.30	-94.130	-13.00	37.30	PK	Horizo	PASS
5	11280.00	41.1	-47.04	-88.170	-13.00	34.04	PK	Horizo	PASS
6	14718.00	40.5	-44.68	-85.160	-13.00	31.68	PK	Horizo	PASS

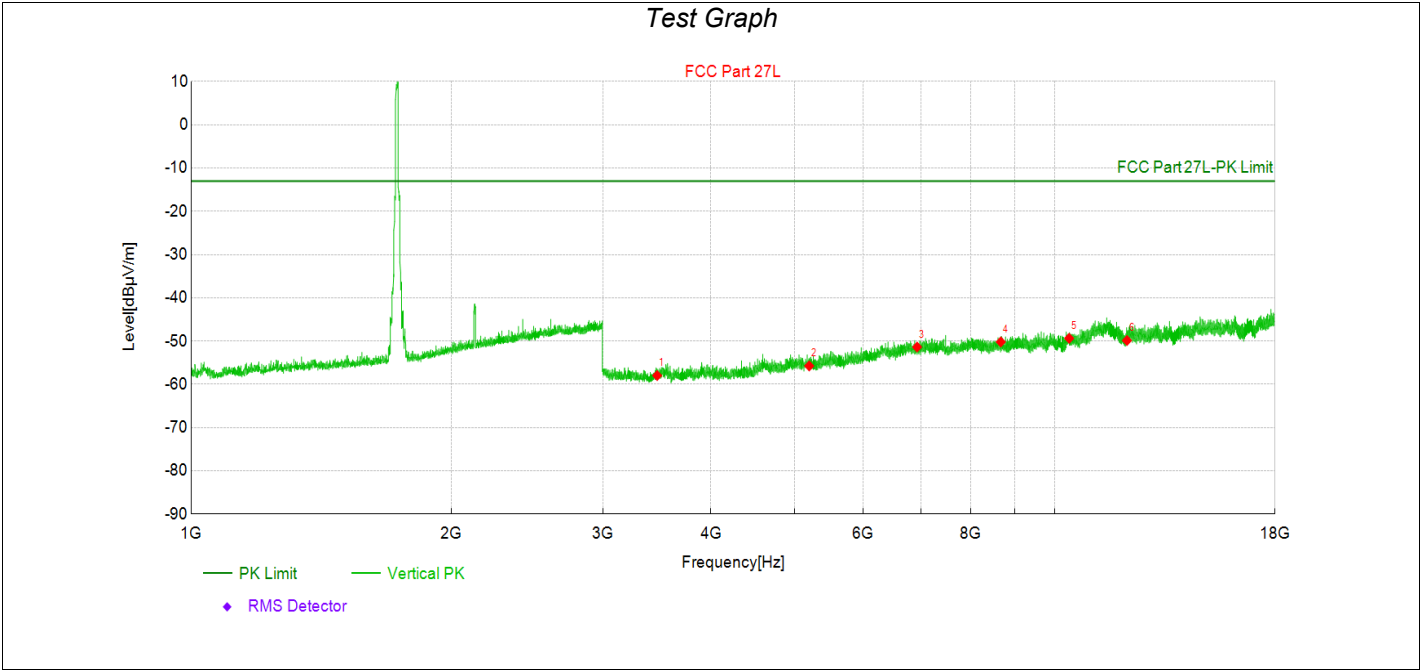
LTE band2 Traffic 1880MHz*Test Graph***Data List**

NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	3760.00	50.7	-56.97	-107.620	-13.00	43.97	PK	Vertic	PASS
2	5640.00	46.0	-55.09	-101.070	-13.00	42.09	PK	Vertic	PASS
3	7520.00	45.0	-51.97	-97.000	-13.00	38.97	PK	Vertic	PASS
4	9400.00	42.7	-51.43	-94.130	-13.00	38.43	PK	Vertic	PASS
5	11280.00	40.9	-47.23	-88.170	-13.00	34.23	PK	Vertic	PASS
6	15156.75	40.9	-43.85	-84.780	-13.00	30.85	PK	Vertic	PASS

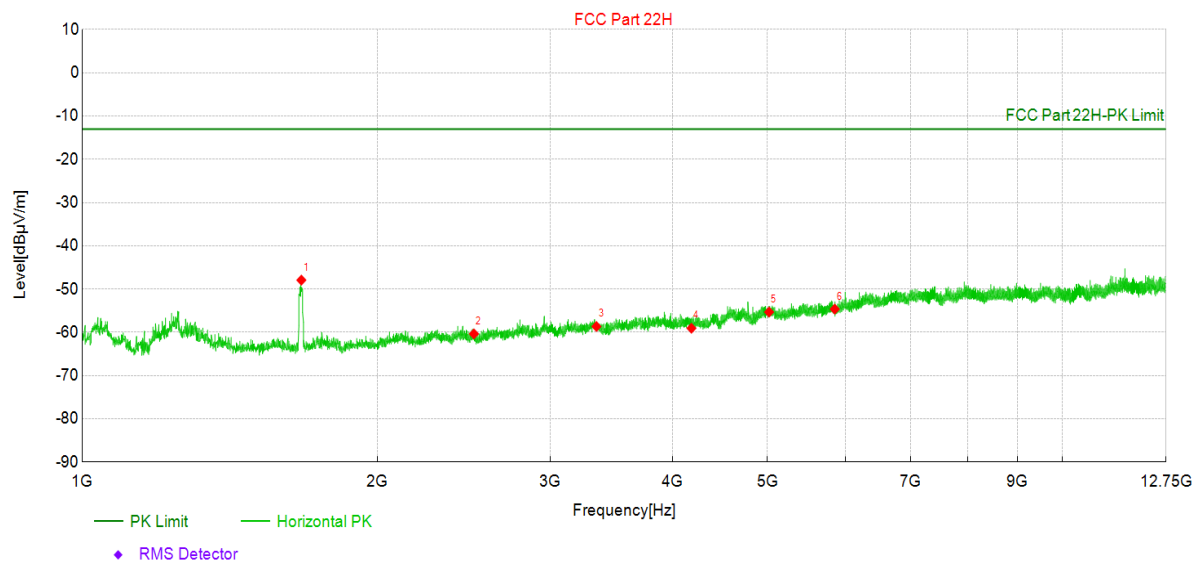
LTE band4 Traffic 1732.5MHz*Test Graph***Data List**

NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	3465.00	51.8	-57.37	-109.190	-13.00	44.37	PK	Horizo	PASS
2	5197.50	47.0	-55.40	-102.380	-13.00	42.40	PK	Horizo	PASS
3	6930.00	46.0	-51.05	-97.010	-13.00	38.05	PK	Horizo	PASS
4	8662.50	43.9	-51.66	-95.510	-13.00	38.66	PK	Horizo	PASS
5	10395.00	42.6	-49.41	-92.050	-13.00	36.41	PK	Horizo	PASS
6	12127.50	39.9	-48.94	-88.870	-13.00	35.94	PK	Horizo	PASS

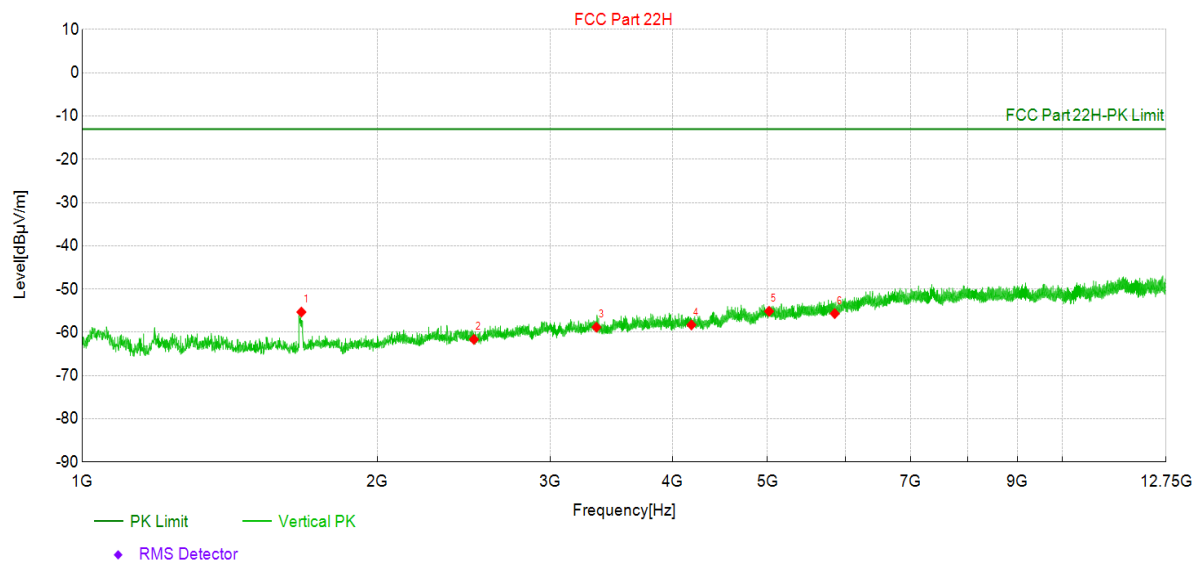
LTE band4 Traffic 1732.5MHz



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	3465.00	51.2	-57.98	-109.190	-13.00	44.98	PK	Vertic	PASS
2	5197.50	46.6	-55.75	-102.380	-13.00	42.75	PK	Vertic	PASS
3	6930.00	45.6	-51.38	-97.010	-13.00	38.38	PK	Vertic	PASS
4	8662.50	45.3	-50.20	-95.510	-13.00	37.20	PK	Vertic	PASS
5	10395.00	42.7	-49.36	-92.050	-13.00	36.36	PK	Vertic	PASS
6	12127.50	39.0	-49.87	-88.870	-13.00	36.87	PK	Vertic	PASS

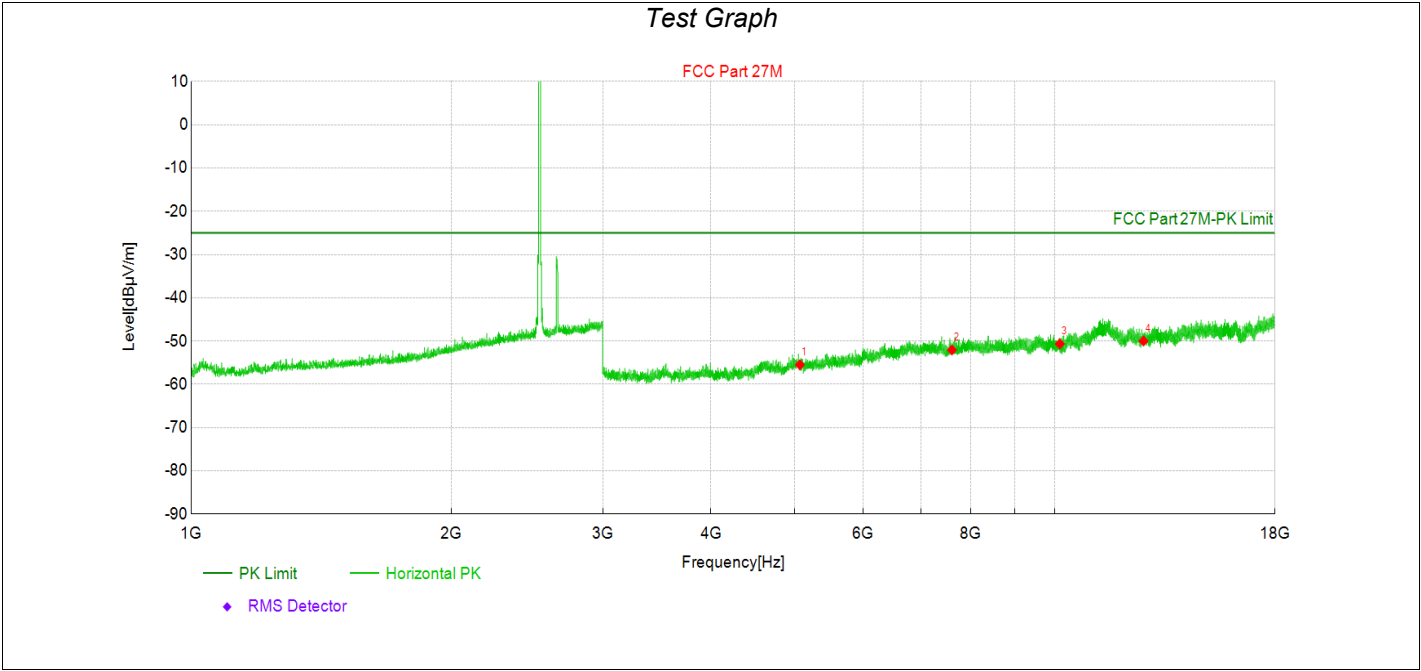
LTE band5 Traffic 836.5MHz*Test Graph***Data List**

NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	1673.28	69.0	-47.93	-116.950	-13.00	34.93	PK	Horizo	PASS
2	2509.50	52.6	-60.37	-112.960	-13.00	47.37	PK	Horizo	PASS
3	3346.00	51.9	-58.65	-110.530	-13.00	45.65	PK	Horizo	PASS
4	4182.50	47.8	-59.06	-106.840	-13.00	46.06	PK	Horizo	PASS
5	5019.00	47.7	-55.31	-103.020	-13.00	42.31	PK	Horizo	PASS
6	5855.50	45.9	-54.64	-100.570	-13.00	41.64	PK	Horizo	PASS

LTE band5 Traffic 836.5MHz*Test Graph***Data List**

NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	1673.28	61.6	-55.32	-116.950	-13.00	42.32	PK	Vertic	PASS
2	2509.50	51.3	-61.64	-112.960	-13.00	48.64	PK	Vertic	PASS
3	3346.00	51.7	-58.83	-110.530	-13.00	45.83	PK	Vertic	PASS
4	4182.50	48.6	-58.29	-106.840	-13.00	45.29	PK	Vertic	PASS
5	5019.00	47.9	-55.14	-103.020	-13.00	42.14	PK	Vertic	PASS
6	5855.50	44.9	-55.67	-100.570	-13.00	42.67	PK	Vertic	PASS

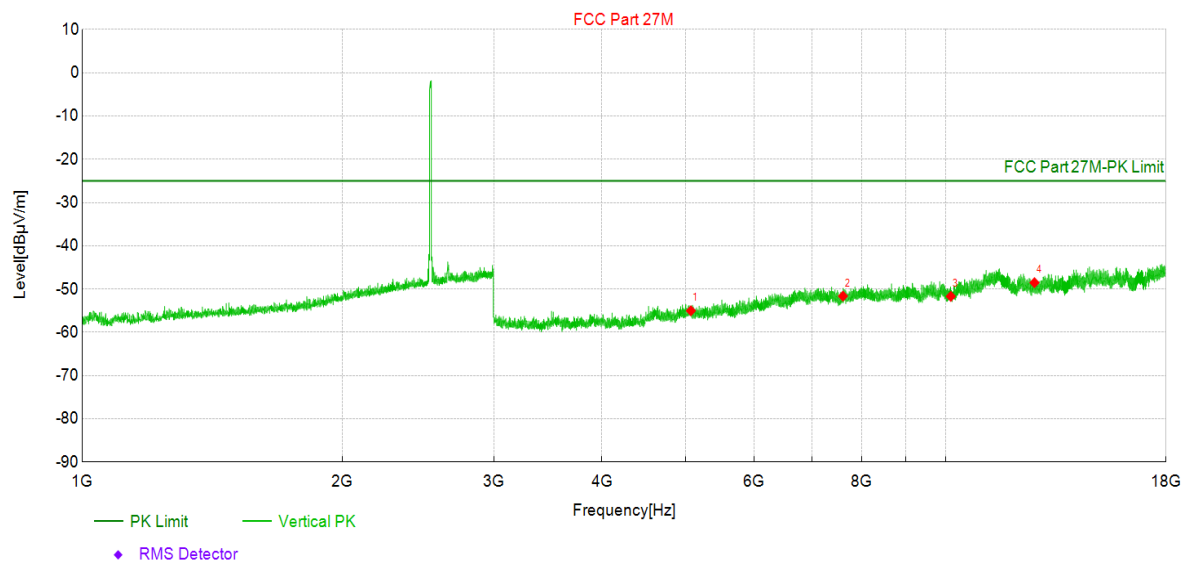
LTE band7 Traffic 2535MHz



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	5070.00	47.1	-55.49	-102.590	-25.00	30.49	PK	Horizo	PASS
2	7605.00	44.4	-52.07	-96.470	-25.00	27.07	PK	Horizo	PASS
3	10140.00	42.3	-50.65	-92.960	-25.00	25.65	PK	Horizo	PASS
4	12675.00	37.5	-49.98	-87.490	-25.00	24.98	PK	Horizo	PASS

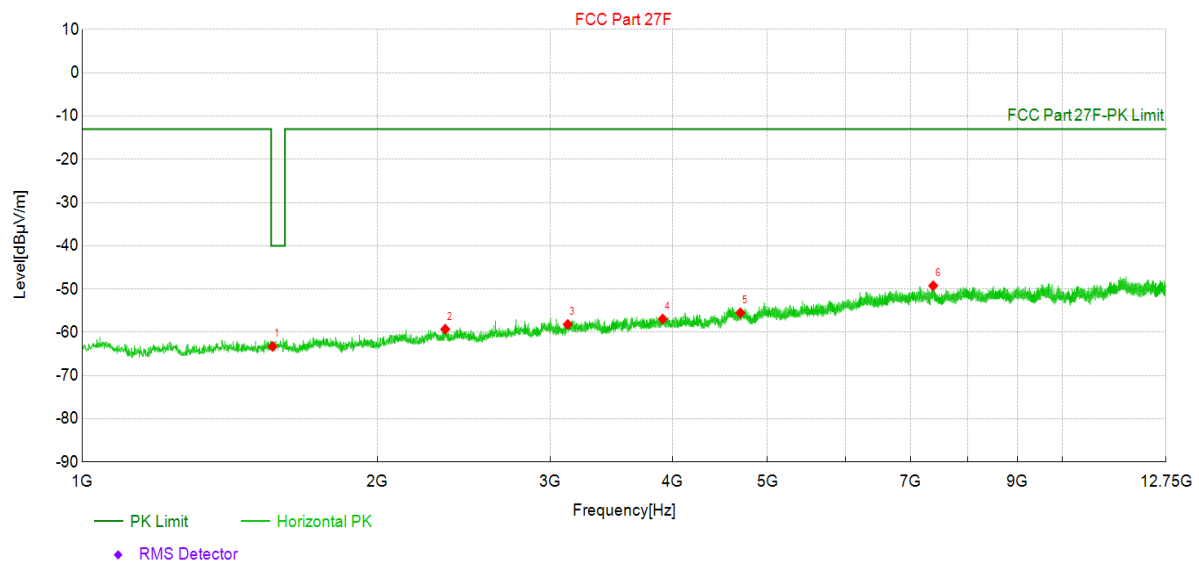
LTE band7 Traffic 2535MHz

Test Graph

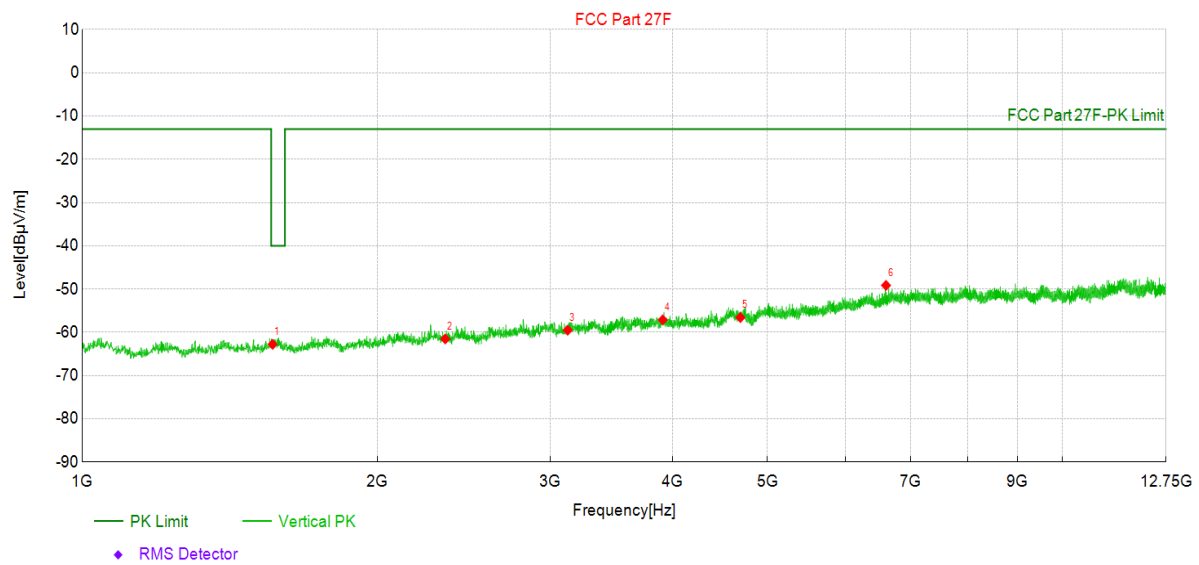


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	5070.00	47.6	-55.02	-102.590	-25.00	30.02	PK	Vertic	PASS
2	7605.00	44.8	-51.63	-96.470	-25.00	26.63	PK	Vertic	PASS
3	10140.00	41.3	-51.69	-92.960	-25.00	26.69	PK	Vertic	PASS
4	12675.00	39.0	-48.52	-87.490	-25.00	23.52	PK	Vertic	PASS

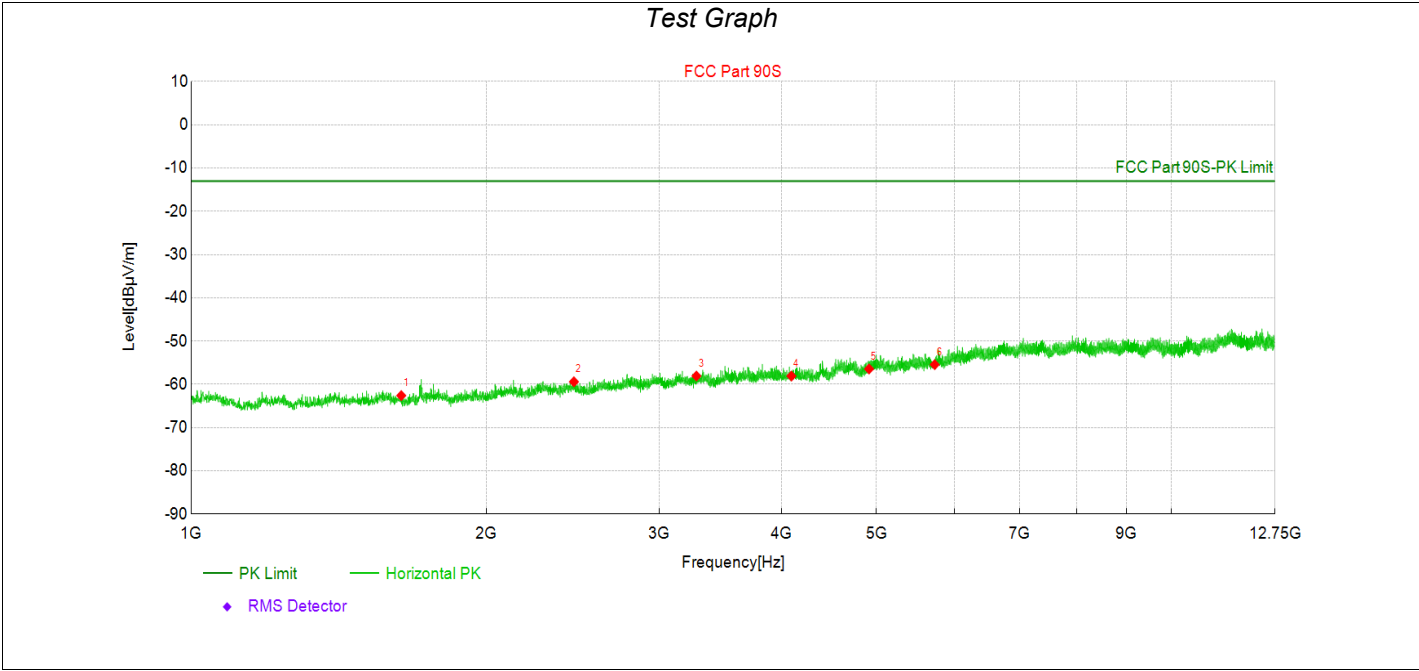
LTE band13 Traffic 782MHz**Test Graph****Data List**

NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	1564.00	53.6	-63.29	-116.930	-40.00	23.29	PK	Horizo	PASS
2	2346.00	54.3	-59.29	-113.560	-13.00	46.29	PK	Horizo	PASS
3	3128.00	53.1	-58.17	-111.300	-13.00	45.17	PK	Horizo	PASS
4	3910.00	50.0	-56.93	-106.890	-13.00	43.93	PK	Horizo	PASS
5	4692.00	48.8	-55.51	-104.330	-13.00	42.51	PK	Horizo	PASS
6	7379.41	46.9	-49.24	-96.120	-13.00	36.24	PK	Horizo	PASS

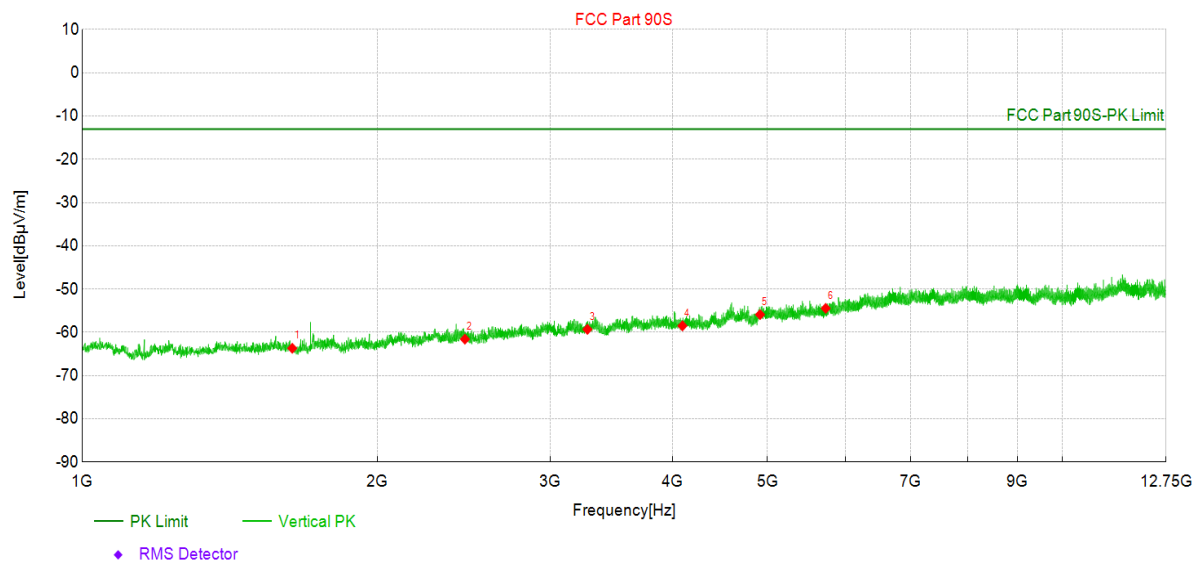
LTE band13 Traffic 782MHz*Test Graph***Data List**

NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	1564.00	54.2	-62.78	-116.930	-40.00	22.78	PK	Vertic	PASS
2	2346.00	52.0	-61.54	-113.560	-13.00	48.54	PK	Vertic	PASS
3	3128.00	51.8	-59.51	-111.300	-13.00	46.51	PK	Vertic	PASS
4	3910.00	49.8	-57.12	-106.890	-13.00	44.12	PK	Vertic	PASS
5	4692.00	47.8	-56.58	-104.330	-13.00	43.58	PK	Vertic	PASS
6	6605.59	48.5	-49.15	-97.690	-13.00	36.15	PK	Vertic	PASS

LTE band26A Traffic 819MHz



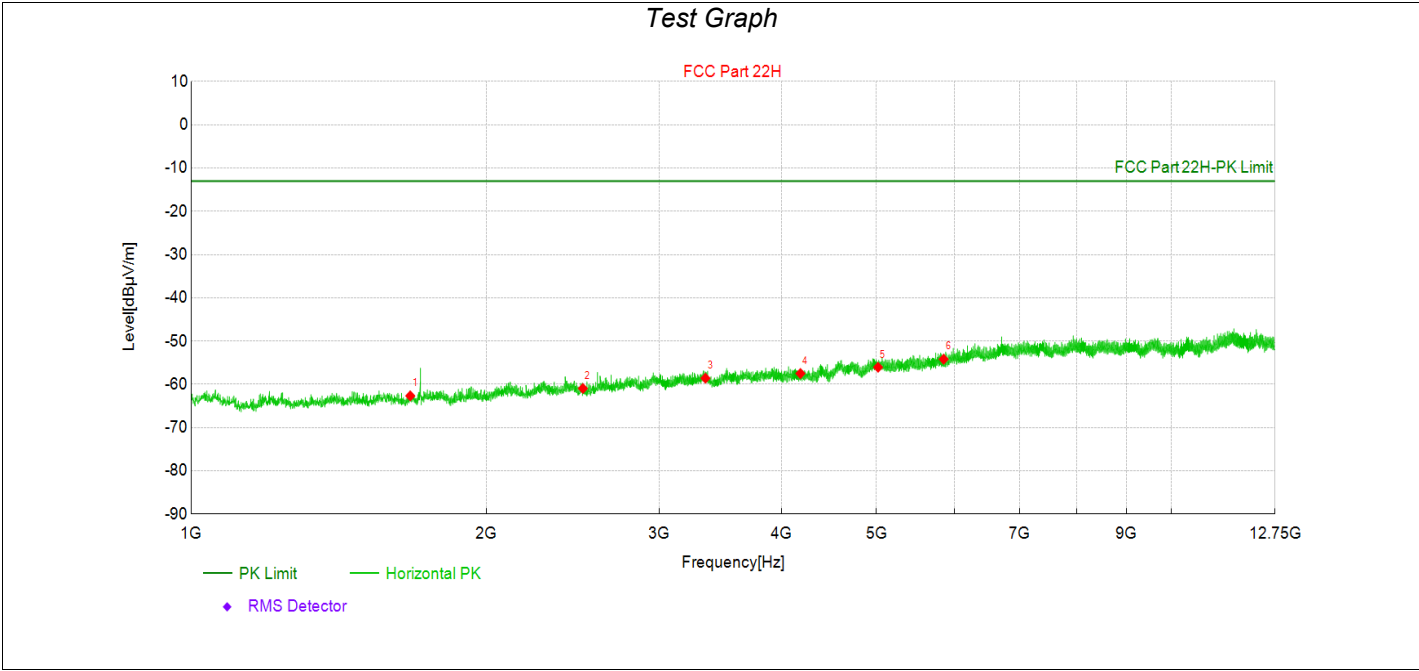
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	1638.00	54.2	-62.61	-116.830	-13.00	49.61	PK	Horizo	PASS
2	2457.00	53.8	-59.41	-113.220	-13.00	46.41	PK	Horizo	PASS
3	3276.00	52.7	-58.08	-110.730	-13.00	45.08	PK	Horizo	PASS
4	4095.00	48.8	-58.09	-106.930	-13.00	45.09	PK	Horizo	PASS
5	4914.00	46.9	-56.45	-103.340	-13.00	43.45	PK	Horizo	PASS
6	5733.00	45.2	-55.45	-100.670	-13.00	42.45	PK	Horizo	PASS

LTE band26A Traffic 819MHz*Test Graph***Data List**

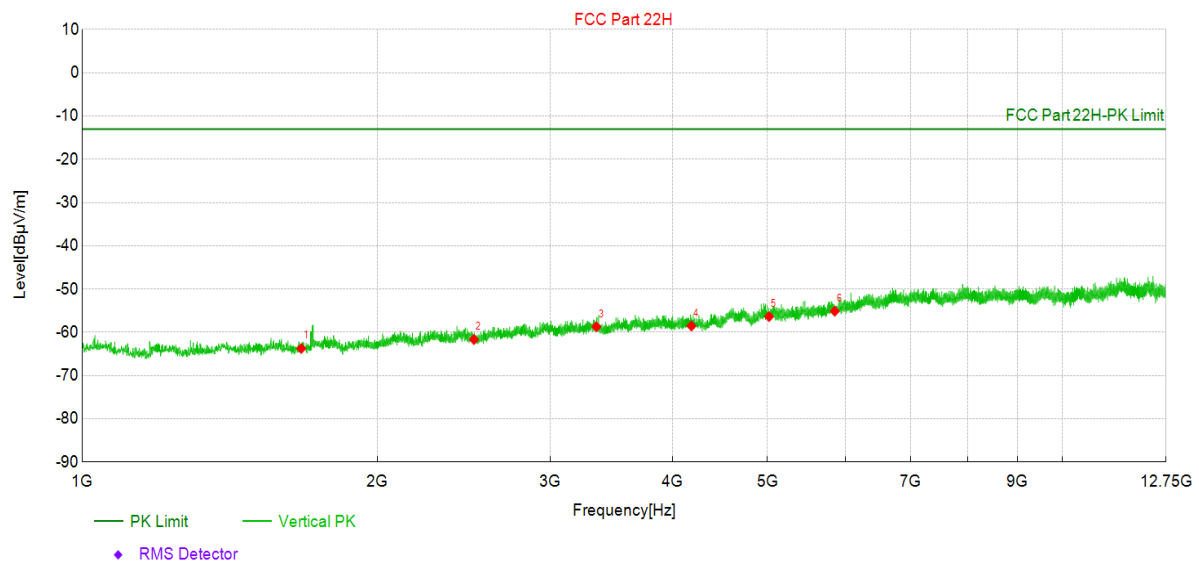
NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	1638.00	53.1	-63.69	-116.830	-13.00	50.69	PK	Vertic	PASS
2	2457.00	51.6	-61.58	-113.220	-13.00	48.58	PK	Vertic	PASS
3	3276.00	51.4	-59.31	-110.730	-13.00	46.31	PK	Vertic	PASS
4	4095.00	48.4	-58.51	-106.930	-13.00	45.51	PK	Vertic	PASS
5	4914.00	47.4	-55.90	-103.340	-13.00	42.90	PK	Vertic	PASS
6	5733.00	46.2	-54.46	-100.670	-13.00	41.46	PK	Vertic	PASS



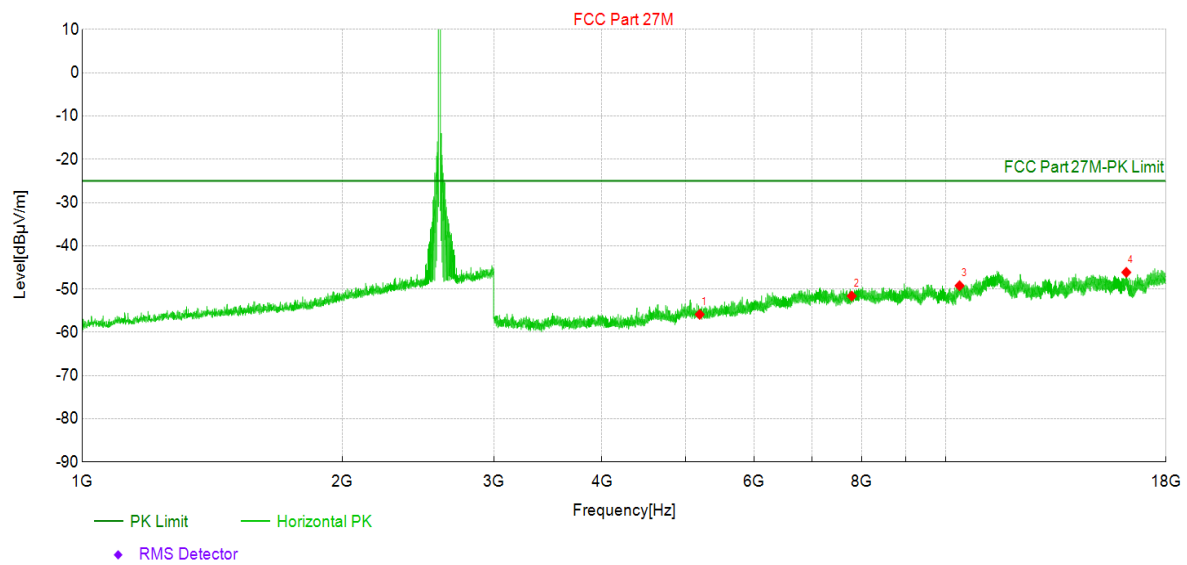
LTE band26B Traffic 836.5MHz



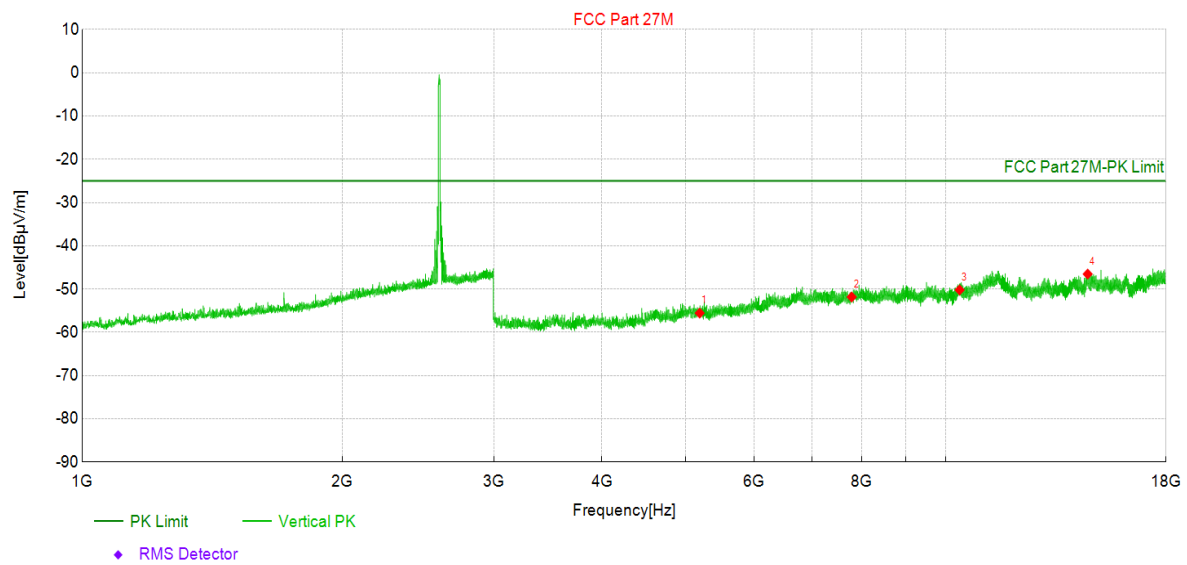
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	1673.00	54.3	-62.68	-116.950	-13.00	49.68	PK	Horizo	PASS
2	2509.50	52.0	-60.96	-112.960	-13.00	47.96	PK	Horizo	PASS
3	3346.00	51.9	-58.59	-110.530	-13.00	45.59	PK	Horizo	PASS
4	4182.50	49.3	-57.50	-106.840	-13.00	44.50	PK	Horizo	PASS
5	5019.00	47.0	-56.06	-103.020	-13.00	43.06	PK	Horizo	PASS
6	5855.50	46.4	-54.19	-100.570	-13.00	41.19	PK	Horizo	PASS

LTE band26B Traffic 836.5MHz*Test Graph***Data List**

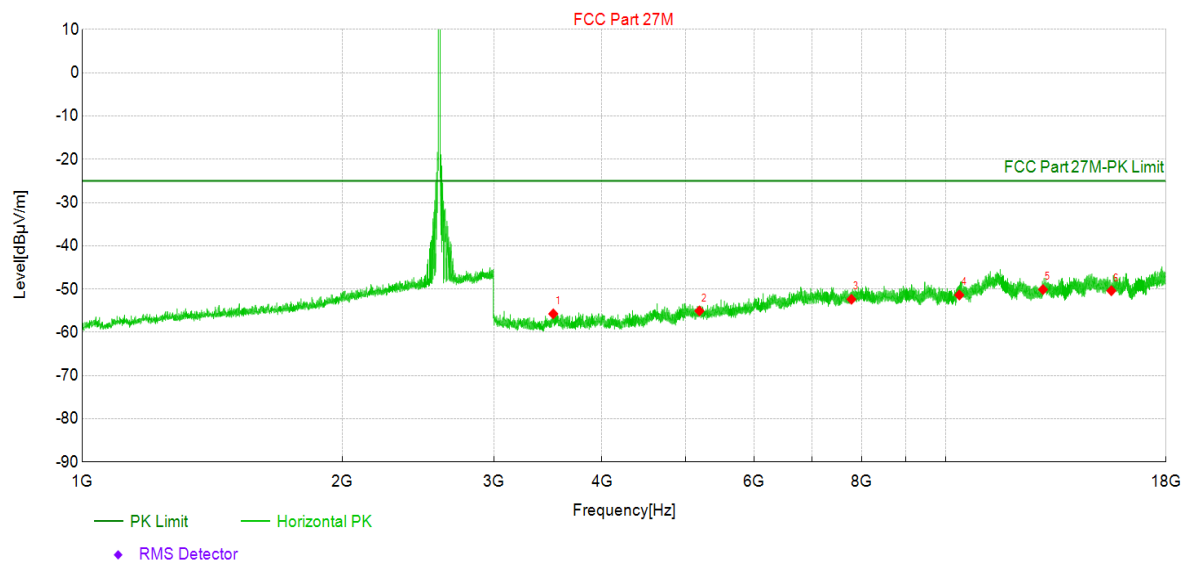
NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	1673.00	53.2	-63.74	-116.950	-13.00	50.74	PK	Vertic	PASS
2	2509.50	51.3	-61.66	-112.960	-13.00	48.66	PK	Vertic	PASS
3	3346.00	51.8	-58.72	-110.530	-13.00	45.72	PK	Vertic	PASS
4	4182.50	48.3	-58.54	-106.840	-13.00	45.54	PK	Vertic	PASS
5	5019.00	46.7	-56.37	-103.020	-13.00	43.37	PK	Vertic	PASS
6	5855.50	45.5	-55.12	-100.570	-13.00	42.12	PK	Vertic	PASS

LTE band38 Traffic 2595MHz*Test Graph***Data List**

NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	5190.00	46.5	-55.86	-102.390	-25.00	30.86	PK	Horizo	PASS
2	7785.00	44.8	-51.62	-96.370	-25.00	26.62	PK	Horizo	PASS
3	10380.00	42.9	-49.23	-92.090	-25.00	24.23	PK	Horizo	PASS
4	16190.25	37.3	-46.13	-83.390	-25.00	21.13	PK	Horizo	PASS

LTE band38 Traffic 2595MHz*Test Graph***Data List**

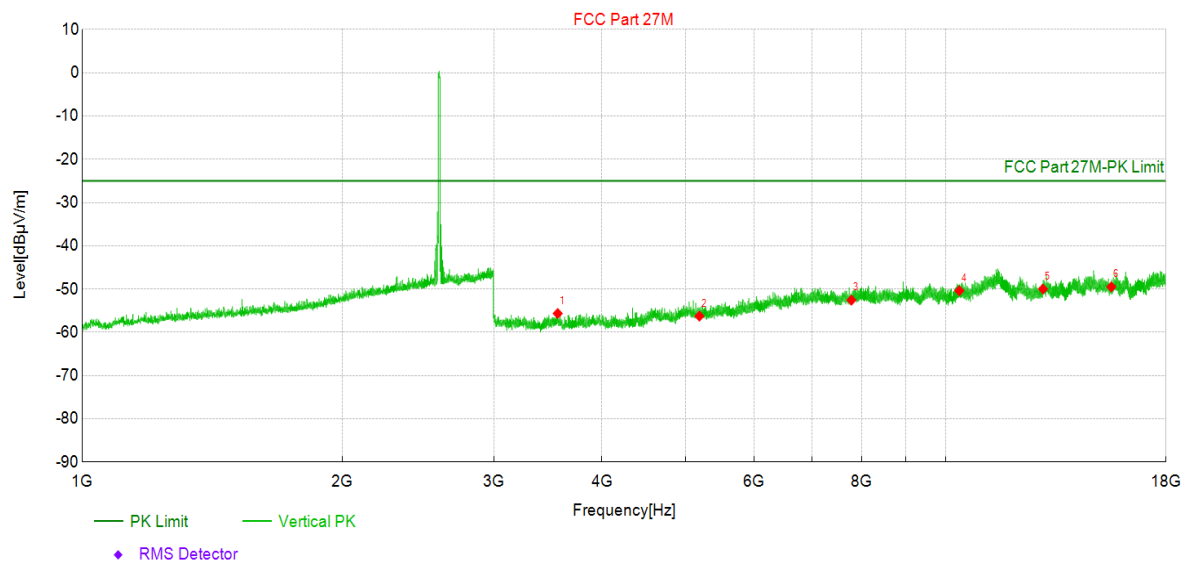
NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	5190.00	46.8	-55.56	-102.390	-25.00	30.56	PK	Vertic	PASS
2	7785.00	44.5	-51.83	-96.370	-25.00	26.83	PK	Vertic	PASS
3	10380.00	41.9	-50.21	-92.090	-25.00	25.21	PK	Vertic	PASS
4	14606.25	37.8	-46.53	-84.370	-25.00	21.53	PK	Vertic	PASS

LTE band41 Traffic 2593MHz*Test Graph***Data List**

NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	3512.25	53.0	-55.73	-108.730	-25.00	30.73	PK	Horizo	PASS
2	5186.00	47.3	-55.06	-102.400	-25.00	30.06	PK	Horizo	PASS
3	7779.00	44.1	-52.36	-96.430	-25.00	27.36	PK	Horizo	PASS
4	10372.00	40.8	-51.37	-92.120	-25.00	26.37	PK	Horizo	PASS
5	12965.00	36.4	-50.12	-86.510	-25.00	25.12	PK	Horizo	PASS
6	15558.00	34.4	-50.39	-84.820	-25.00	25.39	PK	Horizo	PASS

LTE band41 Traffic 2593MHz

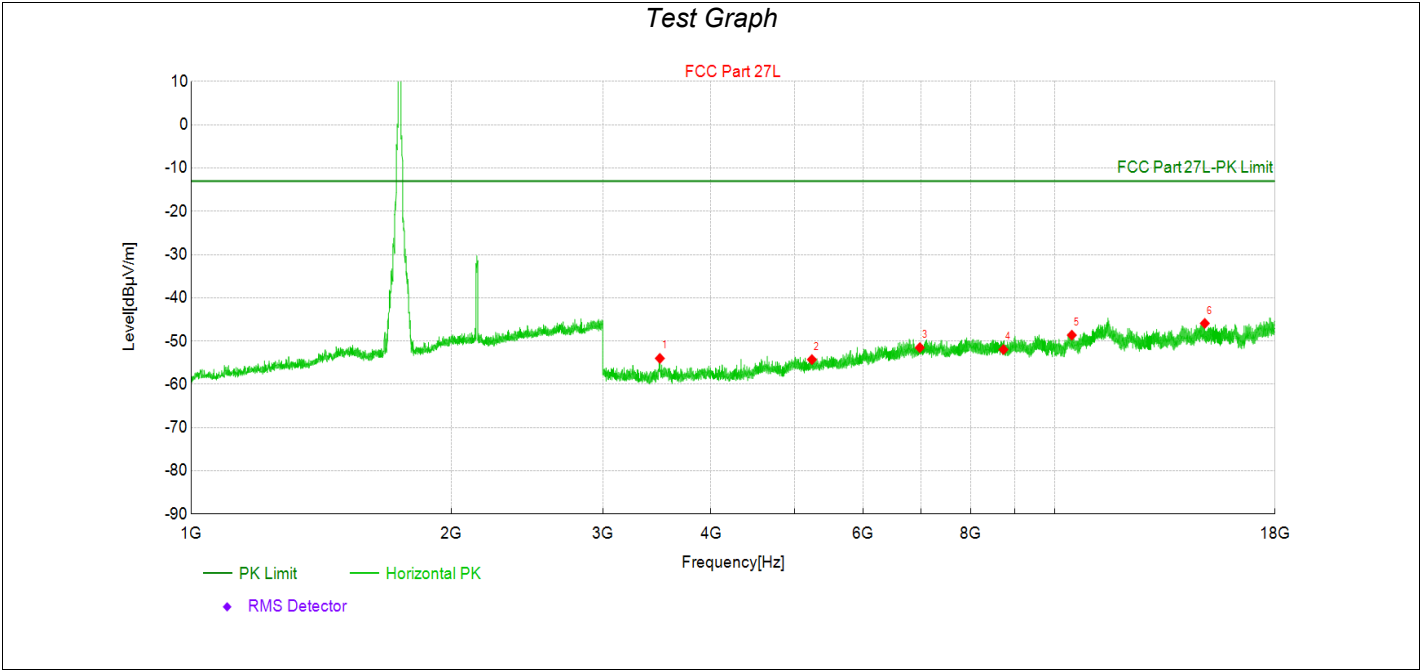
Test Graph



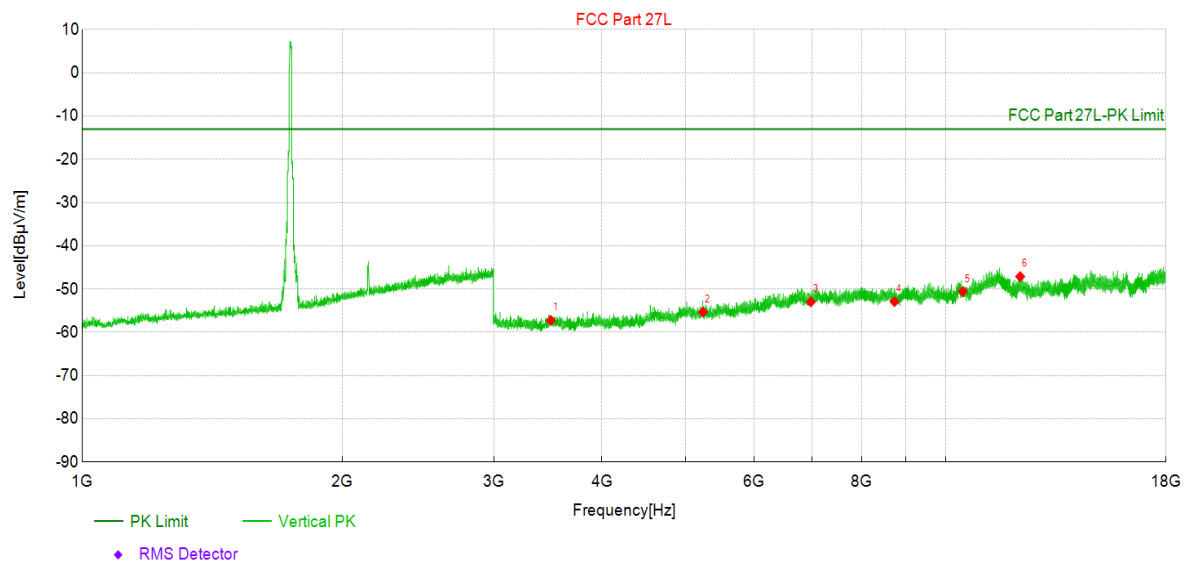
Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	3554.25	53.1	-55.65	-108.740	-25.00	30.65	PK	Vertic	PASS
2	5186.00	46.1	-56.26	-102.400	-25.00	31.26	PK	Vertic	PASS
3	7779.00	43.9	-52.56	-96.430	-25.00	27.56	PK	Vertic	PASS
4	10372.00	41.7	-50.38	-92.120	-25.00	25.38	PK	Vertic	PASS
5	12965.00	36.5	-49.99	-86.510	-25.00	24.99	PK	Vertic	PASS
6	15558.00	35.3	-49.49	-84.820	-25.00	24.49	PK	Vertic	PASS

LTE band66 Traffic 1745MHz



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	3490.00	54.9	-54.01	-108.860	-13.00	41.01	PK	Horizo	PASS
2	5235.00	48.0	-54.29	-102.240	-13.00	41.29	PK	Horizo	PASS
3	6980.00	45.6	-51.52	-97.150	-13.00	38.52	PK	Horizo	PASS
4	8725.00	43.5	-51.96	-95.470	-13.00	38.96	PK	Horizo	PASS
5	10470.00	43.5	-48.63	-92.110	-13.00	35.63	PK	Horizo	PASS
6	14925.00	39.4	-45.91	-85.310	-13.00	32.91	PK	Horizo	PASS

LTE band66 Traffic 1745MHz*Test Graph***Data List**

NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	3490.00	51.6	-57.25	-108.860	-13.00	44.25	PK	Vertic	PASS
2	5235.00	47.0	-55.29	-102.240	-13.00	42.29	PK	Vertic	PASS
3	6980.00	44.2	-52.97	-97.150	-13.00	39.97	PK	Vertic	PASS
4	8725.00	42.6	-52.92	-95.470	-13.00	39.92	PK	Vertic	PASS
5	10470.00	41.5	-50.58	-92.110	-13.00	37.58	PK	Vertic	PASS
6	12198.00	41.2	-47.11	-88.300	-13.00	34.11	PK	Vertic	PASS

Note:

1. Level = Reading + Factor .

2. Margin = Limit - Level.

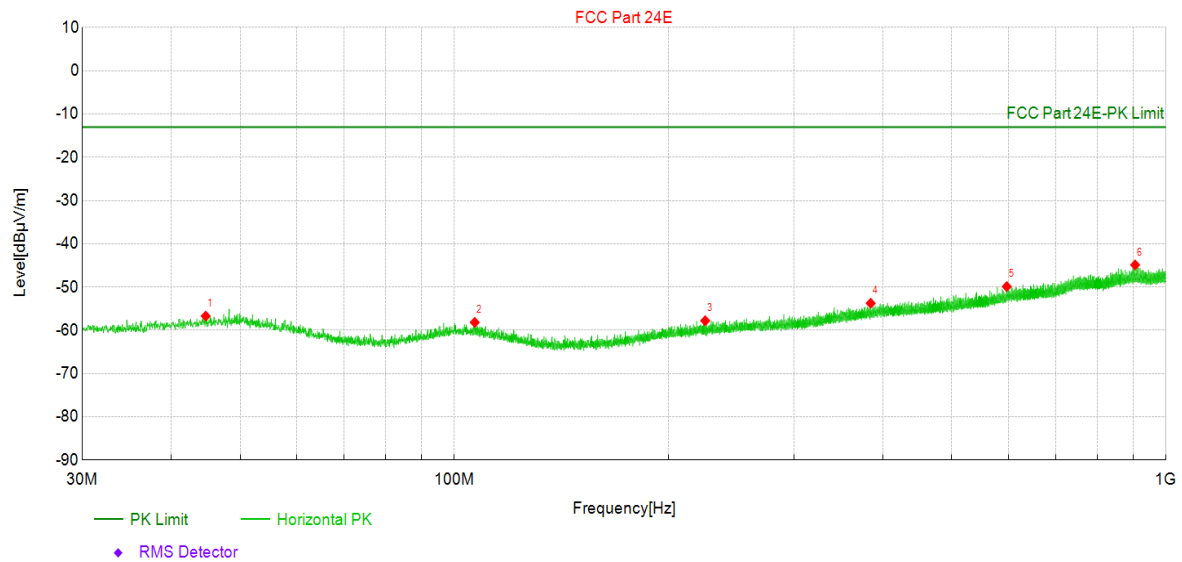
3. Spurious emissions level = Signal Generator Reading (dBm) - Cable loss (dB) + substitute antenna gain (dBi).

4. For each band, we tested all configurations and only the worst mode is shown in the report.

The worst case of Radiated Emission below 1GHz:

LTE band2 Traffic 1880MHz

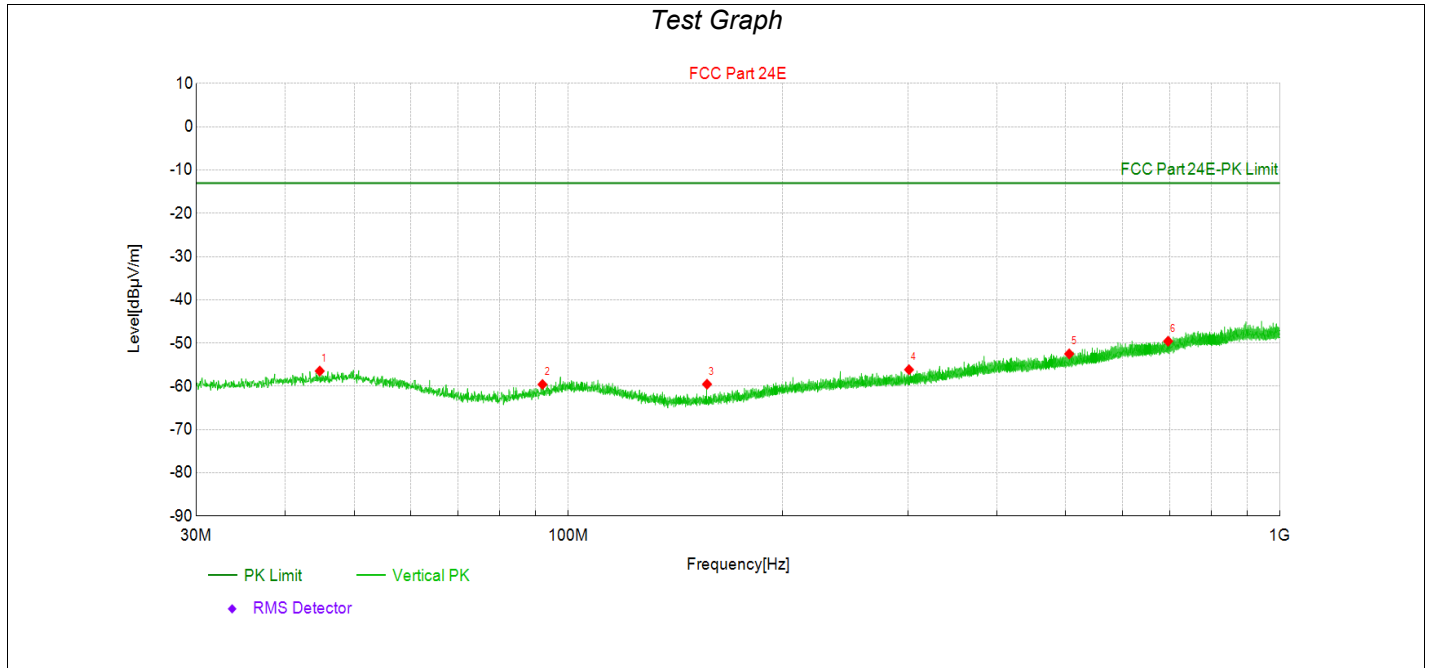
Test Graph



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdict
1	44.74	24.0	-56.71	-80.700	-13.00	43.71	PK	Horizo	PASS
2	106.82	24.7	-58.17	-82.830	-13.00	45.17	PK	Horizo	PASS
3	225.16	24.8	-57.78	-82.590	-13.00	44.78	PK	Horizo	PASS
4	384.63	25.5	-53.75	-79.240	-13.00	40.75	PK	Horizo	PASS
5	597.40	25.5	-49.89	-75.360	-13.00	36.89	PK	Horizo	PASS
6	904.79	27.3	-44.88	-72.200	-13.00	31.88	PK	Horizo	PASS

LTE band2 Traffic 1880MHz

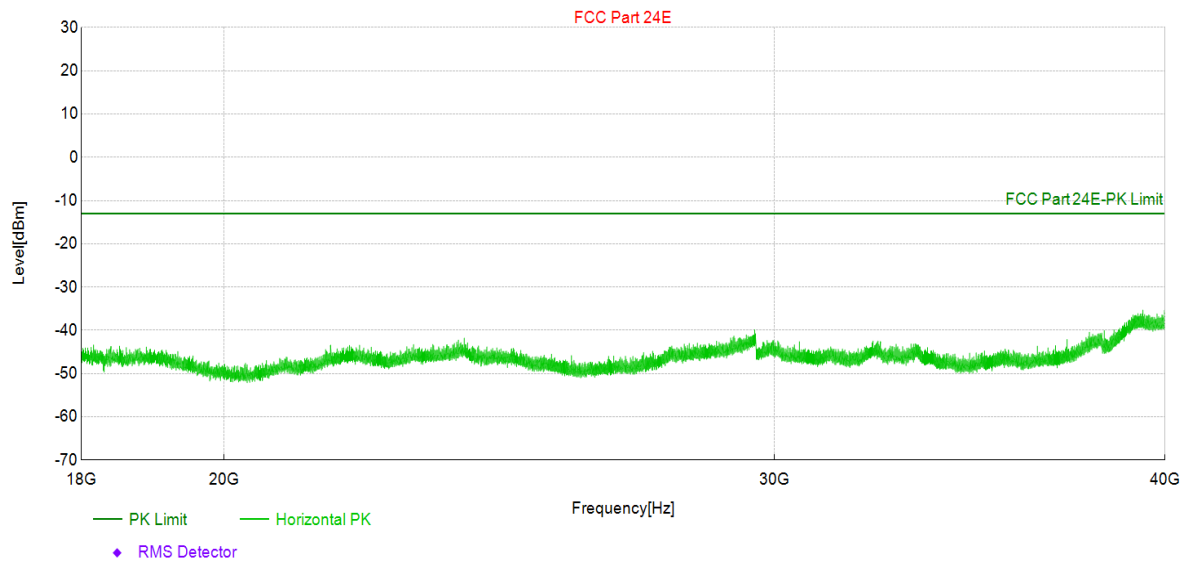


Data List									
NO	Frequenc y [MHz]	Reading [dBμV]	Level [dBm]	Factor [dB/m]	Limit [dBm]	Margin [dB]	Det	Pol	Verdi ct
1	44.74	24.2	-56.47	-80.700	-13.00	43.47	PK	Vertic	PASS
2	91.98	24.2	-59.57	-83.760	-13.00	46.57	PK	Vertic	PASS
3	156.63	26.2	-59.52	-85.710	-13.00	46.52	PK	Vertic	PASS
4	301.12	24.9	-56.15	-81.080	-13.00	43.15	PK	Vertic	PASS
5	505.54	24.9	-52.50	-77.410	-13.00	39.50	PK	Vertic	PASS
6	696.15	25.3	-49.57	-74.850	-13.00	36.57	PK	Vertic	PASS

The worst case of Radiated Emission above 18GHz:

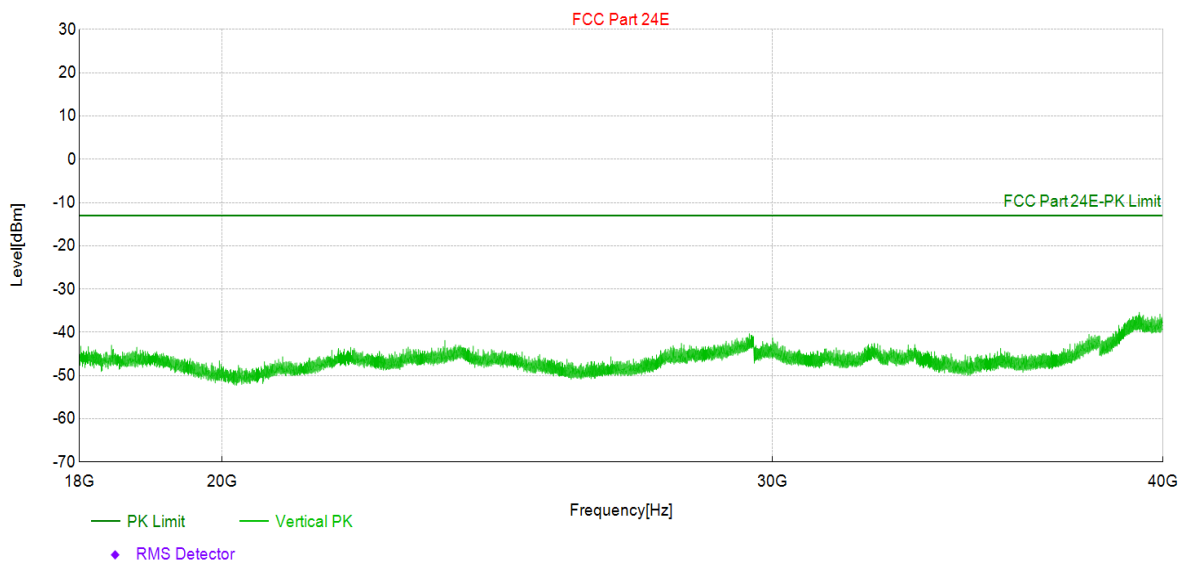
LTE band2 Traffic Mid Channel

Test Graph



LTE band2 Traffic Mid Channel

Test Graph



Note:

1. Level = Reading + Factor .
2. Margin = Limit - Level.
3. Spurious emissions level = Signal Generator Reading(dBm) - Cable loss(dB) + substitute antenna gain(dBi).
4. For each band, we tested all configurations and only the worst mode is shown in the report.
5. All test data above 18GHz are noise base, so no data shown in this report.

4.8 Test setup photo and EUT Photo

Remark: The test setup photo and EUT Photo please see appendix.

_____ The End _____