



SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR250300021308

Rev.: 01

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TEST REPORT

Application No.: SUCR2503000213AT
Applicant: Shanghai Sunmi Technology Co.,Ltd.
Address of Applicant: Room 505, KIC Plaza, No.388 Song Hu Road, Yang Pu District, Shanghai, China
Manufacturer: Shanghai Sunmi Technology Co.,Ltd.
Address of Manufacturer: Room 505, KIC Plaza, No.388 Song Hu Road, Yang Pu District, Shanghai, China
EUT Description: Wireless data POS System
Model No.: T5F01
Trade Mark: SUNMI
FCC ID: 2AH25T5F01N
Standards: 47 CFR Part 2
47 CFR Part 22
47 CFR Part 24
47 CFR Part 27
FCC 47 CFR Part 15, Subpart C
FCC 47 CFR Part 15, Subpart E
Date of Receipt: March 17, 2025
Date of Test: April 14, 2025 to April 25, 2025
Date of Issue: May 22, 2025

Test Result :	PASS *
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* In the configuration tested, the EUT detailed in this report complied with the standards specified above.

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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Wireless Laboratory

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Version

Revision Record			
Version	Description	Date	Remark
00	Original	May 22, 2025	/

Authorized for issue by:				
Tested By				
		Hayley Zhang / Project Manager		
Approved By				
		Cloud Peng/Technical Manager		



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1 General Information

1.1 Details of Client

Applicant:	Shanghai Sunmi Technology Co.,Ltd.
Address of Applicant:	Room 505, KIC Plaza, No.388 Song Hu Road, Yang Pu District, Shanghai, China
Manufacturer:	Shanghai Sunmi Technology Co.,Ltd.
Address of Manufacturer:	Room 505, KIC Plaza, No.388 Song Hu Road, Yang Pu District, Shanghai, China

1.2 Test Location

Company:	SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
Address:	South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone
Post code:	215000
Test engineer:	Levi Li, King-p Li, Ives Cheng

1.3 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **A2LA (Certificate No. 6336.01)**

SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 6336.01.

- **Innovation, Science and Economic Development Canada**

SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0120.

IC#: 27594.

- **FCC –Designation Number: CN1312**

SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. has been recognized as an accredited testing laboratory.

Designation Number: CN1312.

Test Firm Registration Number: 717327



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1.4 General Description of EUT

EUT Description:	Wireless data POS System
Model No.:	T5F01
Trade Mark:	SUNMI
Hardware Version:	Ambh6e
Software Version:	SP3136_V019_20210430_sunmi
Power Supply:	7.7V from battery
IMEI:	862117061291315/869489051895162
Antenna Type:	☐ External, ☒ Internal
Remark: As above information is provided and confirmed by the applicant. SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.	

2 Main Test Instruments

WWAN RF Test Equipment					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date (yyyy/mm/dd)	Cal.Due date (yyyy/mm/dd)
Shielding Room	Brilliant-emc	N/A	SUWI-04-01-06	2022/11/09	2025/11/08
Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-07	2025/02/13	2026/02/12
Signal Analyzer	ROHDE&SCHWARZ	FSV3030	SUWI-01-02-02	2024/05/08	2025/05/07
Measurement Software	TST	TST-271-2.0	SUWI-03-55-01	NCR	NCR
Measurement Software	Tonscend	J1120 RFAuto Test System	SUWI-02-03-01	NCR	NCR
Wideband Radio Communication Tester	Anritsu	MT8821C	SUWI-01-26-03	2024/11/19	2025/11/18
Wideband Radio Communication Tester	ROHDE&SCHWARZ	CMW500	SUWI-01-16-05	2024/05/06	2025/05/05
Signal Analyzer	ROHDE&SCHWARZ	FSW43	SUWI-01-02-04	2024/11/19	2025/11/18
Wideband Radio Communication Test Ststion	Anritsu	MT8000A	SUWI-01-34-02	2024/11/19	2025/11/18



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WLAN RF Test Equipment					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date (yyyy/mm/dd)	Cal.Due date (yyyy/mm/dd)
Shielding Room	Brilliant-emc	N/A	SUWI-04-08-01	2022/11/09	2025/11/08
Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-07	2025/02/13	2026/02/12
Measurement Software	Tonscend	TST272 V2.0	SUWI-03-55-03	NCR	NCR
Signal Analyzer	ROHDE&SCHWARZ	FSW43	SUWI-01-02-04	2024/05/08	2025/05/07
Temperature Chamber	ESPEC	SU-242	SUWI-01-13-02	2024/05/09	2025/05/08
Wideband Radio Communication Tester	ROHDE&SCHWARZ	CMW500	SUWI-01-16-05	2025/01/21	2026/01/20
DC Power Supply	HYELEC	HY3005B	SUWI-01-18-01	2025/01/15	2026/01/14
Power meter	Anritsu	ML2495A	SUWI-01-31-01	2024/11/19	2025/11/18
Pulse power sensor	Anritsu	MA2411B	SUWI-01-32-01	2024/11/19	2025/11/18
MXG Vector signal genitor	KEYSIGHT	N5182B	SUWI-01-38-01	2025/01/15	2026/01/14
Router	ASUS	GT-AXE11000(FCC ID MSQ-RTAXJF00)	SUWI-03-14-02	NCR	NCR
Signal Analyzer	KEYSIGHT	N9020A	SUWI-01-02-07	2024/11/19	2025/11/18

9*6*6 Test Equipment					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date (yyyy/mm/dd)	Cal.Due date (yyyy/mm/dd)
Semi-Anechoic Chamber	Brilliant-emc	N/A	SUWI-04-02-02	2024/11/25	2027/11/24
Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-13	2025/02/13	2026/02/12
Signal Analyzer	ROHDE&SCHWARZ	FSW43	SUWI-01-02-04	2024/05/08	2025/05/07
Signal Analyzer	KEYSIGHT	N9020A	SUWI-01-02-06	2024/11/21	2025/11/20
Test receiver	ROHDE&SCHWARZ	ESR7	SUWI-01-10-01	2025/01/15	2026/01/14
Receiving antenna	SCHWRZBECK MESS-ELEKTRONIK	VULB 9168	SUWI-01-11-04	2024/08/22	2025/08/21
Receiving antenna	SCHWRZBECK MESS-ELEKTRONIK	BBHA 9120D	SUWI-01-11-05	2023/11/25	2025/11/24



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Receiving antenna	SCHWRZBECK MESS- ELEKTRONIK	BBHA 9170	SUWI-01-11-03	2023/05/12	2025/05/11
Active Loop Antenna	SCHWRZBECK MESS- ELEKTRONIK	FMZB 1519B	SUWI-01-21-01	2023/05/13	2025/05/12
Amplifier	Tonscend	TAP9K3G32	SUWI-01-14-06	2024/11/19	2025/11/18
Amplifier	Tonscend	TAP01018050	SUWI-01-14-04	2024/11/19	2025/11/18
Amplifier	Tonscend	TAP30M7G30	SUWI-01-14-05	2024/11/19	2025/11/18
Wideband Radio Communication Tester	Anritsu	MT8820C	SUWI-01-16-08	2025/01/20	2026/01/19
Wideband Radio Communication Tester	Anritsu	MT8821C	SUWI-01-26-03	2024/11/19	2025/11/18
Measurement Software	Tonscend	JS32-RE V4.0.0.0	SUWI-02-09-04	NCR	NCR

Remark: NCR=No Calibration Requirement.



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3 Measurement Uncertainty

For a 95% confidence level ($k = 2$), the measurement expanded uncertainties for defined systems, in accordance with the recommendations of ISO 17025 as following:

accordance with the recommendations of CISPR 17:20 as follows:

No.	Item	Measurement Uncertainty
1	Total RF power, conducted	±0.54dB
2	Radiated Emission	± 3.13dB (9k -30MHz)
		± 4.8dB (30M -1GHz)
		± 4.8dB (1GHz to 18GHz)
		± 4.80dB (Above 18GHz)
Remark: The U _{lab} (lab Uncertainty) is less than U _{CISPR/ETSI} (CISPR/ETSI Uncertainty), so the test results – compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit; – non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.		



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4 Description of Tests

4.1 Conducted Output Power

The transmitter output was connected to a calibrated coaxial cable, attenuator and power meter, the other end of which was connected to the test equipment. The power output at the transmitter antenna port was determined by adding the value of the cable insertion loss to the power reading.

Remark: Reference test setup 1

4.2 Radiated Spurious Emissions

Below 1GHz test procedure as below:

- 1) For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- 2) For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. Distance from antenna to EUT is 1m for measurements >18GHz).
- 3) The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- 4) The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- 5) For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- 6) The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- 7) Test the EUT in the lowest channel, the middle channel, the Highest channel.
- 8) The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the worse case.
- 9) Repeat above procedures until all frequencies measured was complete.
- 10) The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported
- 11) The disturbance above 18GHz was very low, and the harmonics were the highest point could be found when testing, so only the harmonics had been displayed.
- 12) At a measurement distance of 1 meter the limit line was increased by $20 \cdot \log(3/1) = 9.54 \text{ dB}$.

Remark: Reference test setup 2 (Figure 1-3)



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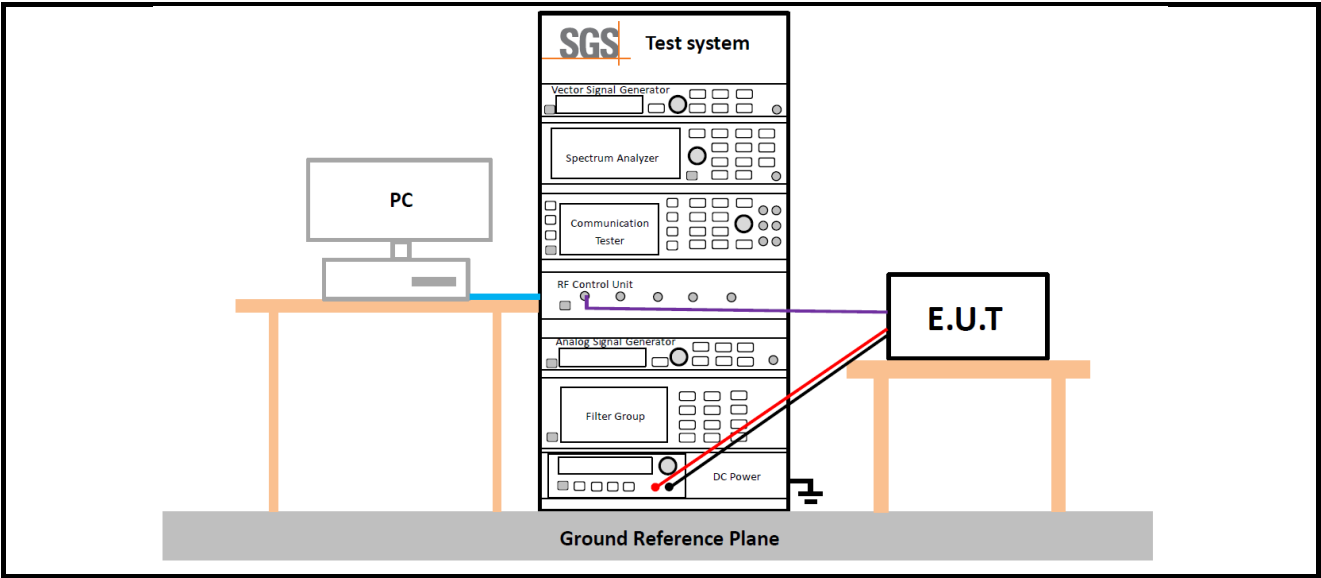
4.3 Restricted bands around fundamental frequency

- 13) For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- 14) For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- 15) The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- 16) The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- 17) For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- 18) The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- 19) Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel
- 20) Test the EUT in the lowest channel , the Highest channel
- 21) The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, And found the Z axis positioning which it is worse case.

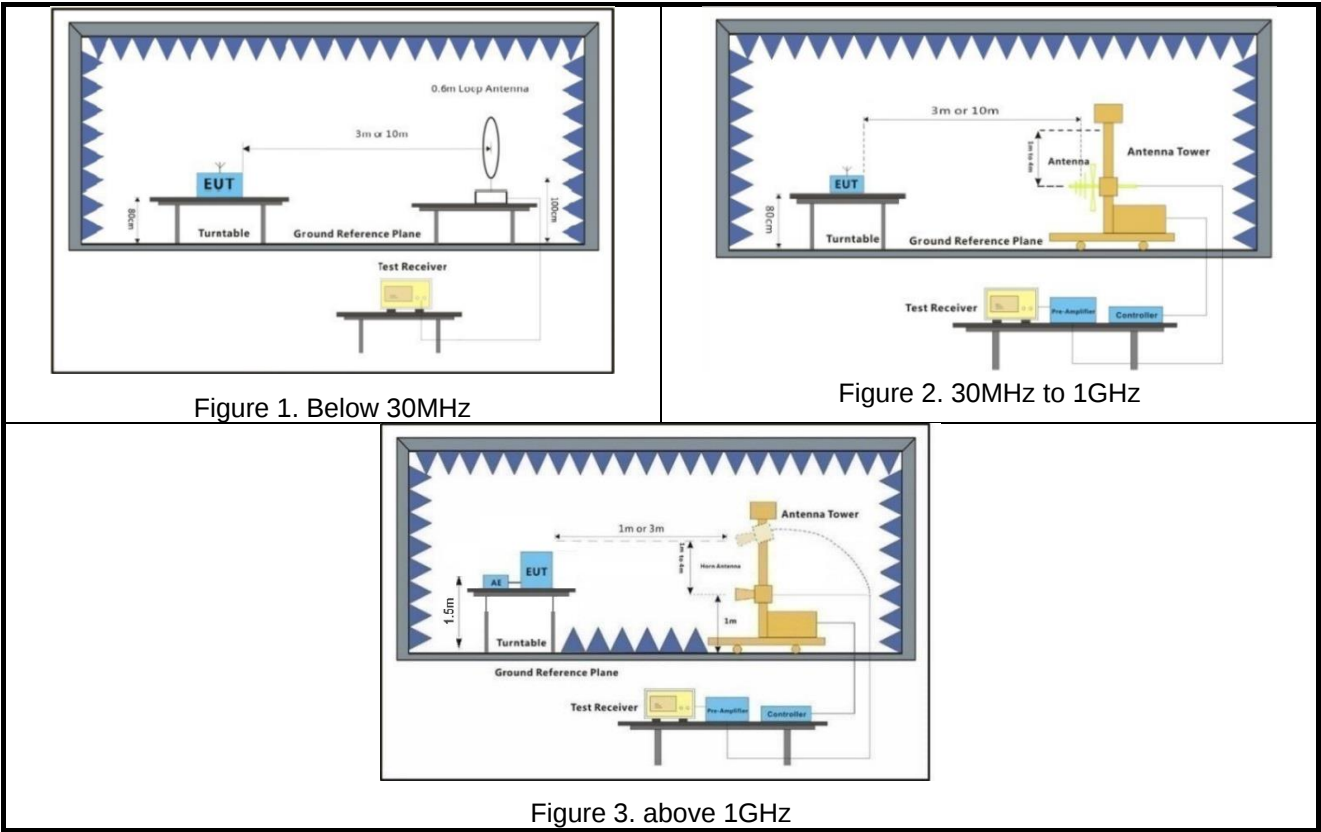
Remark: Reference test setup 2 (Figure 2-3)

4.4 Test Setups

4.4.1 Test Setup 1



4.4.2 Test Setup 2





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5 Introduction of Test Data Reuse

5.1 Description of EUT

The EUT is a Wireless data POS System with cellular 2G/3G/4G, 5GNR1, 5GNR2, 2.4G WIFI, 5G WIFI, Bluetooth, GNSS, and NFC technologies.

Testing was performed on the parent model and is used to support the application for the parent and variants identified in this report based on the test plan submitted.

This application for certification is leveraging the data reuse procedures from KDB 484596 D01 based on reference FCC ID: 2AH25T5F01 to cover variant model FCC ID: 2AH25T5F01N. The major difference between the parent model and the variant model is that the two use different NFC chips. All other circuitry and features are identical.

5.2 Reference Detail

Band	Rule Part	Test item	Parent model FCC ID 2AH25T5F01		Variant model FCC ID 2AH25T5F01N	
			Data	Reference Report No.	Data Referencing	Remark
GSM850 WCDMA Band5 LTE Band 5	Part 22.913(a)(5)	Radiated Power Output Data	Full Test	GSM:KSEM210700112905 WCDMA:KSEM210700112906 LTE:KSEM210700112907	Y	Check Worse
	Part 22.913(d)	Peak-Average Ratio	Full Test		Y	reuse patrent data
	Part 2.1049	Bandwidth	Full Test		Y	reuse patrent data
	Part 22.917(a)	Band Edges Compliance	Full Test		Y	reuse patrent data
	Part 22.917(a)	Spurious Emission at Antenna Terminals	Full Test		Y	Check Worse
	Part 22.917(a)	Field Strength of Spurious Radiation	Full Test		Y	Check Worse
	Part 22.355	Frequency Stability	Full Test		Y	reuse patrent data
GSM1900 WCDMA Band2 LTE Band 2	Part 24.232(c)	Radiated Power Output Data	Full Test		Y	Check Worse
	Part 24.232(d)	Peak-Average Ratio	Full Test		Y	reuse patrent data
	Part 2.1049	Bandwidth	Full Test		Y	reuse patrent data
	Part 24.238(a)	Band Edges Compliance	Full Test		Y	reuse patrent data
	Part 24.238(a)	Spurious Emission at Antenna Terminals	Full Test		Y	Check Worse
	Part 24.238(a)	Field Strength of Spurious Radiation	Full Test		Y	Check Worse
	Part 24.235	Frequency Stability	Full Test		Y	reuse patrent data
LTE Band4	Part 27.50(d)(4)	Radiated Power Output Data	Full Test		Y	Check Worse
	Part 27.50(d)(5)	Peak-Average Ratio	Full Test		Y	reuse patrent data
	Part 2.1049	Bandwidth	Full Test		Y	reuse patrent data
	Part 27.53(h)	Band Edges Compliance	Full Test		Y	reuse patrent data
	Part 27.53(h)	Spurious Emission at Antenna Terminals	Full Test		Y	Check Worse
	Part 27.53(h)	Field Strength of Spurious Radiation	Full Test		Y	Check Worse
	Part 27.54	Frequency Stability	Full Test		Y	reuse patrent data
LTE Band 7/38/41	Part 27.50(h)(2)	Radiated Power Output Data	Full Test		Y	Check Worse
	N/A	Peak-Average Ratio	Full Test		Y	reuse patrent data
	Part 2.1049	Bandwidth	Full Test		Y	reuse patrent data
	Part 27.53(m)(4)	Band Edges Compliance	Full Test		Y	reuse patrent data
	Part 27.53(m)	Spurious Emission at Antenna Terminals	Full Test		Y	Check Worse
	Part 27.53(m)	Field Strength of Spurious Radiation	Full Test		Y	Check Worse
	Part 27.54	Frequency Stability	Full Test		Y	reuse patrent data
LTE Band 17	Part 27.50(c)(10)	Radiated Power Output Data	Full Test		Y	Check Worse
	N/A	Peak-Average Ratio	Full Test		Y	reuse patrent data
	Part 2.1049	Bandwidth	Full Test		Y	reuse patrent data
	Part 27.53(g)	Band Edges Compliance	Full Test		Y	reuse patrent data
	Part 27.53(g)	Spurious Emission at Antenna Terminals	Full Test		Y	Check Worse
	Part 27.53(g)	Field Strength of Spurious Radiation	Full Test		Y	Check Worse
	Part 27.54	Frequency Stability	Full Test		Y	reuse patrent data
LTE Band 13	Part 27.50(b)(10)	Radiated Power Output Data	Full Test		Y	Check Worse
	N/A	Peak-Average Ratio	Full Test		Y	reuse patrent data



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	Part 2.1049	Bandwidth	Full Test		Y	reuse data	patrent
	Part 27.53(c)	Band Edges Compliance	Full Test		Y	reuse data	patrent
	Part 27.53(c)(f)	Spurious Emission at Antenna Terminals	Full Test		Y	Check Worse	
	Part 27.53(c)(f)	Field Strength of Spurious Radiation	Full Test		Y	Check Worse	
	Part 27.54	Frequency Stability	Full Test		Y	reuse data	patrent
LTE Band 40	27.5	Radiated Power Output Data	Full Test		Y	Check Worse	
	N/A	Peak-Average Ratio	Full Test		Y	reuse data	patrent
	Part 2.1049	Bandwidth	Full Test		Y	reuse data	patrent
	Part 27.53	Band Edges Compliance	Full Test		Y	reuse data	patrent
	Part 27.53	Spurious Emission at Antenna Terminals	Full Test		Y	Check Worse	
	Part 27.53	Field Strength of Spurious Radiation	Full Test		Y	Check Worse	
	Part 27.54	Frequency Stability	Full Test		Y	reuse data	patrent
BT	15.207	AC Power Line Conducted Emission	Full Test		Y	reuse data	patrent
	15.207	Conducted Peak Output Power	Full Test	KSEM210700112902	Y	Check Worse	
	15.247 (b)(1)	20dB Emission Bandwidth & 99% Occupied Bandwidth	Full Test		Y	reuse data	patrent
	15.247 (a)(1)	Carrier Frequencies Separation	Full Test		Y	reuse data	patrent
	15.247 (a)(1)	Hopping Channel Number	Full Test		Y	reuse data	patrent
	15.247 (a)(1)	Dwell Time	Full Test		Y	reuse data	patrent
	15.247 (a)(1)	Band-edge for RF Conducted Emissions	Full Test		Y	reuse data	patrent
	15.247(d)	RF Conducted Spurious Emissions	Full Test		Y	reuse data	patrent
	15.247(d); 15.205/15.209	Radiated Spurious emissions	Full Test		Y	Check Worse	
	15.247(d); 15.205/15.209	Restricted bands around fundamental frequency (Radiated Emission)	Full Test		Y	Check Worse	
BLE	15.207	AC Power Line Conducted Emission	Full Test	KSEM210700112903	Y	reuse data	patrent
	15.247 (b)(3)	Conducted Output Power	Full Test		Y	Check Worse	
	15.247 (a)(2)	DTS (6 dB) Bandwidth & 99% Occupied Bandwidth	Full Test		Y	reuse data	patrent
	15.247 (e)	Power Spectral Density	Full Test		Y	reuse data	patrent
	15.247(d)	Band-edge for RF Conducted Emissions	Full Test		Y	reuse data	patrent
	15.247(d)	RF Conducted Spurious Emissions	Full Test		Y	reuse data	patrent
	15.205/15.209	Radiated Spurious Emissions	Full Test		Y	Check Worse	
	15.205/15.209	Restricted bands around fundamental frequency (Radiated Emission)	Full Test		Y	Check Worse	
2.4G WIFI	15.207	AC Power Line Conducted Emission	Full Test	KSEM210700112901	Y	reuse data	patrent
	15.247 (b)(3)	Conducted Output Power	Full Test		Y	Check Worse	
	15.247 (a)(2)	DTS (6 dB) Bandwidth & 99% Occupied Bandwidth	Full Test		Y	reuse data	patrent
	15.247 (e)	Power Spectral Density	Full Test		Y	reuse data	patrent
	15.247(d)	Band-edge for RF Conducted Emissions	Full Test		Y	reuse data	patrent
	15.247(d)	RF Conducted Spurious Emissions	Full Test		Y	reuse data	patrent
	15.205/15.209	Radiated Spurious Emissions	Full Test		Y	Check Worse	
	15.205/15.209	Restricted bands around fundamental frequency (Radiated Emission)	Full Test		Y	Check Worse	
5G WIFI	Band I: 15.407(a)(1) Band II-A: 15.407(a)(2) Band II-C: 15.407(a)(2) Band III: 15.407(e)	26dB Emission Bandwidth 26dB Emission Bandwidth 26dB Emission Bandwidth 6dB Emission Bandwidth	Full Test	KSEM210700112904 KSEM210700112909	Y	reuse data	patrent
	Band I&Band II-A&Band II-C &Band III: KDB 789033 D02§ D	99% Occupied Bandwidth	Full Test		Y	reuse data	patrent
	Band I: 15.407(a)(iv) Band II-A: 15.407(a)(2) Band II-C: 15.407(a)(2) Band III: 15.407(a)(3)	Maximum Conducted Output Power	Full Test		Y	Check Worse	
	Band I: 15.407(a)(iv) Band II-A: 15.407(a)(2) Band II-C: 15.407(a)(2) Band III: 15.407(a)(3)	Maximum Power Spectral Density	Full Test		Y	reuse data	patrent



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	Band I&Band II-A&Band II-C &Band III: 15.407(b) 15.205/15.209	Radiated Spurious Emissions	Full Test		Y	Check Worse
	Band I&Band II-A&Band II-C &Band III: 15.407(b) 15.205/15.209	Restricted bands around fundamental frequency	Full Test		Y	Check Worse
	Band I&Band II-A&Band II-C &Band III: 15.207	AC Power Line Conducted Emissions	Full Test		Y	reuse patrent data
	Band II-A &Band II-C: 15.407	Dynamic Frequency Selection	Full Test		Y	reuse patrent data
	Band I&Band II-A&Band II-C &Band III: 15.407(g)	Frequency Stability	Full Test		Y	reuse patrent data
NFC	15.207	AC Power Line Conducted Emission	Full Test	NA	N	Full Test
	15.21(c)	20dB Spectrum Bandwidth & 99% Occupied Bandwidth	Full Test		N	Full Test
	15.225(e)	Frequency Stability	Full Test		N	Full Test
	15.225(a)(b)(c)	Field Strength of Fundamental Emissions	Full Test		N	Full Test
	15.225(d)/15.209	Radiated Spurious Emissions	Full Test		N	Full Test
EMI	Part 15B (SDOC)	AC Conducted Emission	Full Test	SHEM210200121101	Y	Check Worse
		Radiated Emission	Full Test		Y	Check Worse
SAR	2.1093	SAR Testing	Full Test	KSEM210700112911	Y	Check Worse



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5.3 Spot Check Verification Data

Conducted power test and radiated spurious emission test against the variant model based on the worst-case condition from the original model was performed in this filing to demonstrate the test data from original model remains representative for the variant model.

All test procedures follow the related section of parent report.

a) EMC Test Data Spot-Checks

These exhibits for the variant certification shall meet the following criteria:

- Spot-check measurements must correspond to the worst-case scenario reported in the parent device filing, i.e., for conditions closest to non-compliance.
- Spot-check measurements must always show compliance with the rule part(s) applicable to the test under consideration.
- Spot-check measurements may show deviations from the reference data, as specified in sub-sections 3.2.1 and 3.2.2. These specifications differ between EMC data and RF exposure test data.

For EMC compliance test data (e.g., spurious emissions limits), the deviation between the variant and the parent model, for both field and power quantities, is expressed as:

$$d_{dB} = |V_{dB} - R_{dB}| \quad (1),$$

where V_{dB} is the variant spot-check level in dB, and R_{dB} is the corresponding reference measurement level in dB for the parent model.

The spot-check will be deemed acceptable when:

$$d_{dB} \leq d_{dBmax} \quad (2),$$

where d_{dBmax} is the maximum deviation d_{dB} allowed for the EMC data for the spot-check to be considered acceptable. The definition of d_{dBmax} is based on “how far” the reference data R_{dB} is from the compliance threshold C_{dB} (also expressed in dB), for the test under consideration. More specifically, if M_{dB} is the margin in dB from the compliance limit, expressed as

$$M_{dB} = |C_{dB} - R_{dB}| \quad (3),$$

then d_{dBmax} is defined as a function of M_{dB} , which increases linearly from 3 dB to 6 dB (Fig. 2), according to:

$$d_{dBmax}(M_{dB}) = \begin{cases} (3 + M_{dB}/20) \text{ dB} & , \text{ for } 0 \leq M_{dB} \leq 60 \text{ dB} \\ 6 \text{ dB} & , \text{ for } M_{dB} > 60 \text{ dB} \end{cases} \quad (4).$$

b) The Spot-Check Plan for RF Exposure Test Data

By expressing all the quantities in linear units, an RF exposure spot-check must be accepted based on the maximum relative difference between the variant and the parent model test results.

The spot-check acceptance criterion is formulated in terms of the total exposure ratio (TER) to easily include RF exposure evaluations based on MPE and evaluations for simultaneous transmissions, (that may include a mix of MPE and SAR evaluations but not for incident power density related to frequencies above 6 GHz).

Accordingly, proceeding in a similar way to the previous section but operating in linear units, the relative difference (expressed as a percentage) between the TER of the variant (TER_V) and that of the parent model used as a reference (TER_R) is defined as

$$d_{TER} = |TER_V - TER_R| / TER_R \quad (5),$$

and the acceptance criterion for the spot-check on the variant will be:



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$$d_{TER} \leq d_{TERmax} \text{ (6) ,}$$

where d_{TERmax} , to be defined further below, is the maximum acceptable d_{TER} , and all the quantities are expressed in linear units.

It is also important to note that if the MPE is considered to refer to a field quantity and not power, the corresponding TER is to be computed as the square of the field ratio, consistent with the other terms that refer to power levels.

The value of d_{TERmax} , the maximum d_{TER} allowed for the spot-check to be deemed acceptable, is established based on the compliance margin M corresponding to the worst-case test scenario (i.e., the most challenging from the compliance perspective) for the parent model.

The margin M is defined as

$$M = TER_T - TER_R = 1 - TER_R \text{ (7) ,}$$

where TER_T is the TER corresponding to the compliance threshold, which is always $TER_T = 1$.

For instance, for a general population evaluation, $SAR \leq 1.6$ W/kg, as required for any compliant measurement. Thus, since $TER = SAR/1.6$, and $0 \leq TER \leq 1$, then M in eq. (7) will always be a positive number because TER_R cannot be larger than 1 for the parent model to be complaint.

The threshold d_{TERmax} is defined as function of the margin M to provide values between 25% and 50%, linearly increasing between $M = 0.5$ (50% of the compliance limit) and $M = 0.75$ (75% of the compliance limit), in accordance with the following expression:

$$d_{TERmax}(M) = \begin{cases} 0.25 & , \text{ for } 0 \leq M < 0.5 \\ M - 0.25 & , \text{ for } 0.5 \leq M < 0.75 \\ 0.5 & , \text{ for } 0.75 \leq M \end{cases} \text{ (8) .}$$



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5.4 Spot Check Results

Test Item	Mode	2AH25T5F01 Parent Worst mode Test Result	2AH25T5F01N Variant Check Test Result	Deviation (dB)	Limit (dB)
Conducted Power (dBm)	GSM850	32.83	32.71	0.12	3 + MdB /20 (0 ≤ MdB ≤ 60 dB)
	GSM1900	29.85	29.73	0.12	
	WCDMA B2	22.25	22.14	0.11	
	WCDMA B5	23.75	23.58	0.17	
	LTE B2	23.12	22.92	0.2	
	LTE B4	23.66	23.52	0.14	
	LTE B5	23.7	23.54	0.16	
	LTE B7	22.59	22.48	0.11	
	LTE B13	22.65	22.5	0.15	
	LTE B17	22.21	22.1	0.11	
	LTE B38	23.3	23.19	0.11	
	LTE B40	22.87	22.52	0.35	
	LTE B41	23.33	23.15	0.18	
	BT BR/EDR	7.73	7.58	0.15	
	BLE 1M	-1.42	-1.56	0.14	
	BLE 2M	-1.33	-1.51	0.18	
	11B	18.83	18.48	0.35	
	11G	20.54	20.23	0.31	
	11N20	20.21	19.89	0.32	
	11N40	20.94	20.6	0.34	
	11A Band I	13.78	13.61	0.17	
	11A Band II-A	13.63	13.46	0.17	
	11A Band II-C	13.75	13.58	0.17	
	11A Band III	13.36	13.18	0.18	
	11N20 Band I	13.54	13.43	0.11	
	11N20 Band II-A	13.21	13.03	0.18	
	11N20 Band II-C	13.42	13.27	0.15	
	11N20 Band III	14.07	13.95	0.12	
	11N40 Band I	13.21	13.04	0.17	
	11N40 Band II-A	12.91	12.78	0.13	
	11N40 Band II-C	13.27	13.11	0.16	
	11N40 Band III	13.89	13.71	0.18	
	11AC20 Band I	13.61	13.5	0.11	
	11AC20 Band II-A	13.14	13.01	0.13	
	11AC20 Band II-C	13.60	13.48	0.12	
	11AC20 Band III	13.70	13.59	0.11	
	11AC40 Band I	13.78	13.63	0.15	
	11AC40 Band II-A	13.58	13.45	0.13	
	11AC40 Band II-C	13.45	13.29	0.16	



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	11AC40 Band III	13.74	13.62	0.12
	11AC80 Band I	13.24	13.07	0.17
	11AC80 Band II-A	13.23	13.11	0.12
	11AC80 Band II-C	13.51	13.36	0.15
	11AC80 Band III	13.47	13.32	0.15

Test Item	Mode	2AH25T5F01 Parent Worst mode Test Result	2AH25T5F01N Variant Check Test Result	Deviation (dB)	Limit (dB)
Radiated Spurious emissions	BT EDR CH78	50.77	47.08	3.690	4.162
	BLE1M CH19	50.48	47.50	2.980	4.176
	11N40 CH9	50.48	47.75	2.730	4.176
	11N40 B1 CH38	48.37	51.36	2.990	3.997
Restricted bands around fundamental frequency	BT EDR CH78	48.84	52.60	3.760	4.258
	BLE2M CH39	52.48	54.14	1.660	4.076
	11N40 CH9	44.72	47.53	2.810	3.464
	11N40 B1 CH38	45.58	47.43	1.850	3.421
Radiated Spurious emissions	GSM1900	-40.48	-44.55	4.070	4.374
	WCDMA B5	-41.76	-43.65	1.890	4.438
	LTE B4	-53.12	-56.33	3.210	5.006
	LTE B13	-54.96	-54.85	0.110	3.748
	LTE B17	-51.98	-51.99	0.010	4.949
	LTE B38	-52.94	-50.13	2.810	4.397
	LTE B40	-53.41	-55.05	1.640	3.671

Test Item	Mode	2AH25T5F01 Parent Worst mode Test Result	2AH25T5F01N Variant Check Test Result	Deviation	Limit
SAR	WCDMA B2	3.160	3.124	0.011	0.500
	Sum	3.370	3.694	0.324	0.500



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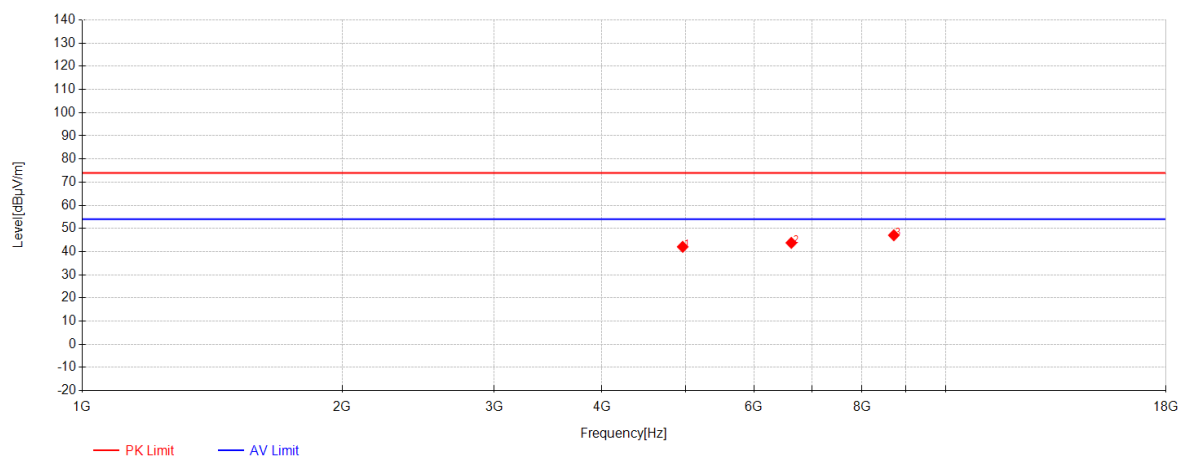
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Radiated Spurious emissions

EDR_Channel 78

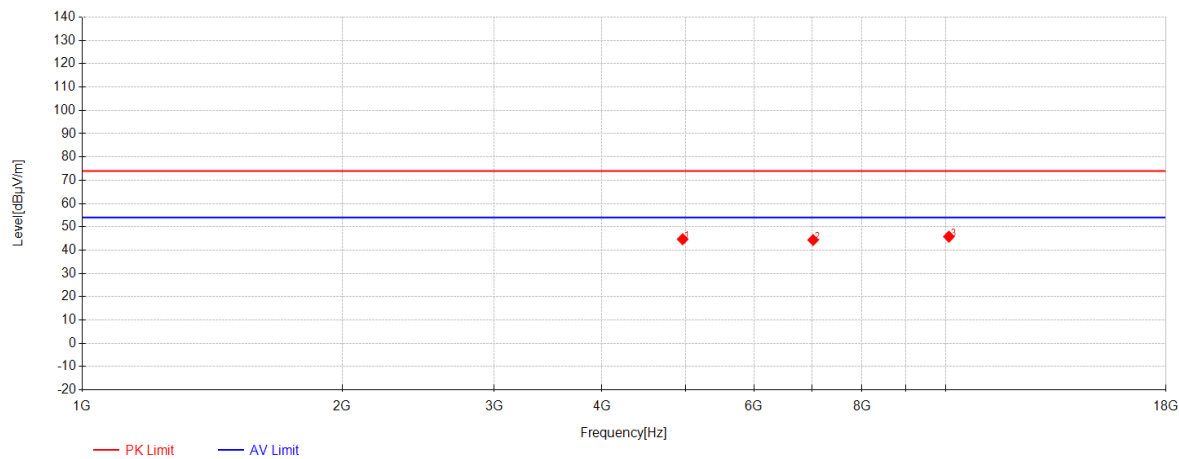


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1	4960	50.33	33.11	-41.36	42.08	74.00	31.92	Vertical
2	7440	46.87	35.85	-38.93	43.79	74.00	30.21	Vertical
3	9920	45.00	37.46	-35.38	47.08	74.00	26.92	Vertical



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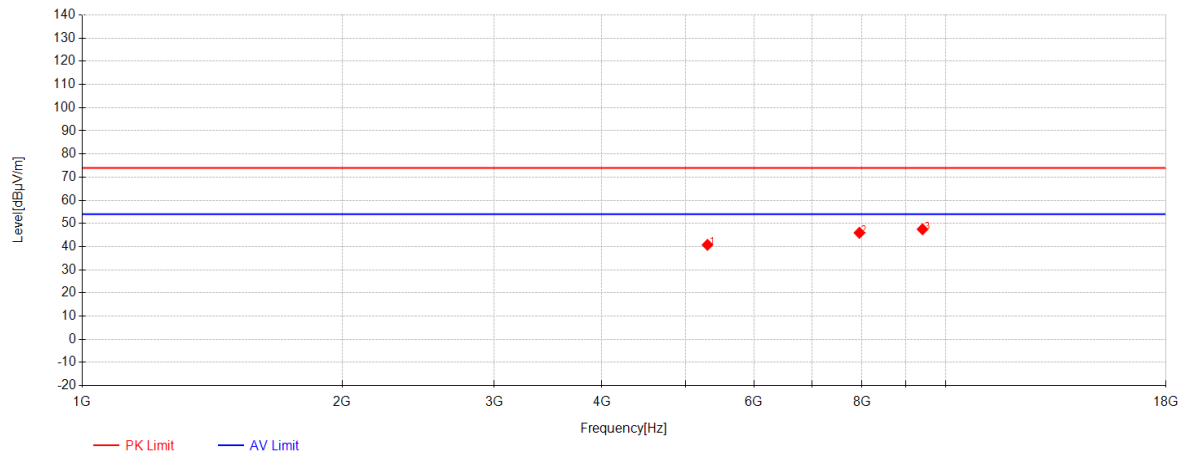
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2	7023.5	46.64	36.03	-38.32	44.35	74.00	29.65	Horizontal
3	10088	40.08	37.94	-32.23	45.79	74.00	28.21	Horizontal



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BLE 1M_Channel 19

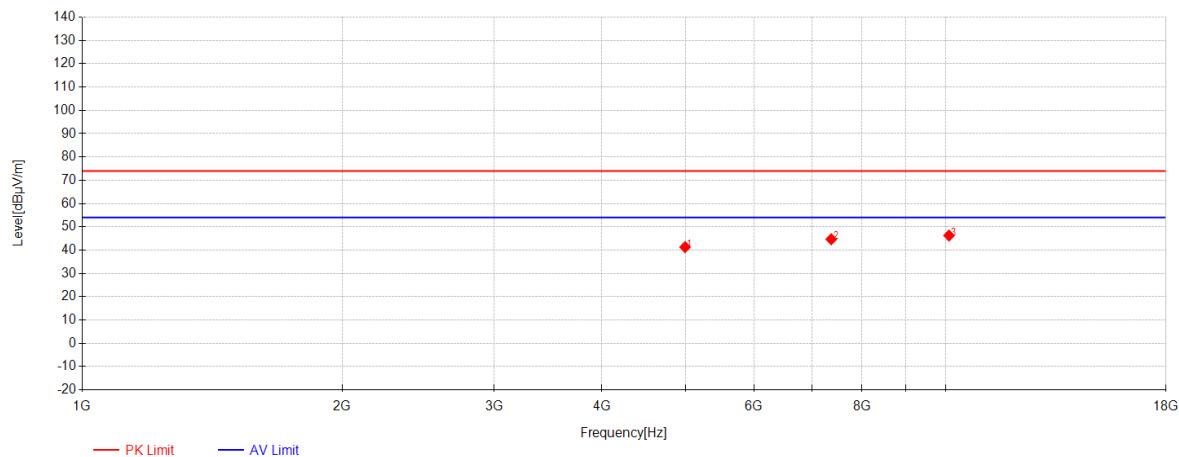


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1	5299.5	48.53	33.14	-40.91	40.76	74.00	33.24	Horizontal
2	7947	45.52	37.05	-36.60	45.96	74.00	28.04	Horizontal
3	9920	43.53	37.72	-33.75	47.50	74.00	26.50	Horizontal



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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	4992	49.58	33.18	-41.45	41.31	74.00	32.69	Vertical
2	7371	45.97	36.45	-37.74	44.68	74.00	29.32	Vertical
3	10090.5	40.55	37.95	-32.23	46.27	74.00	27.73	Vertical



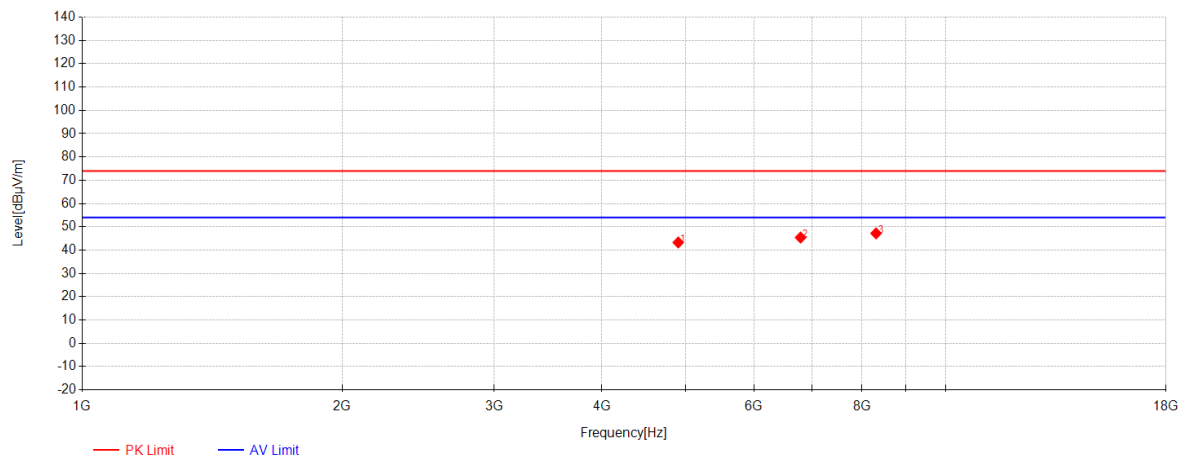
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11n40_Channel 09

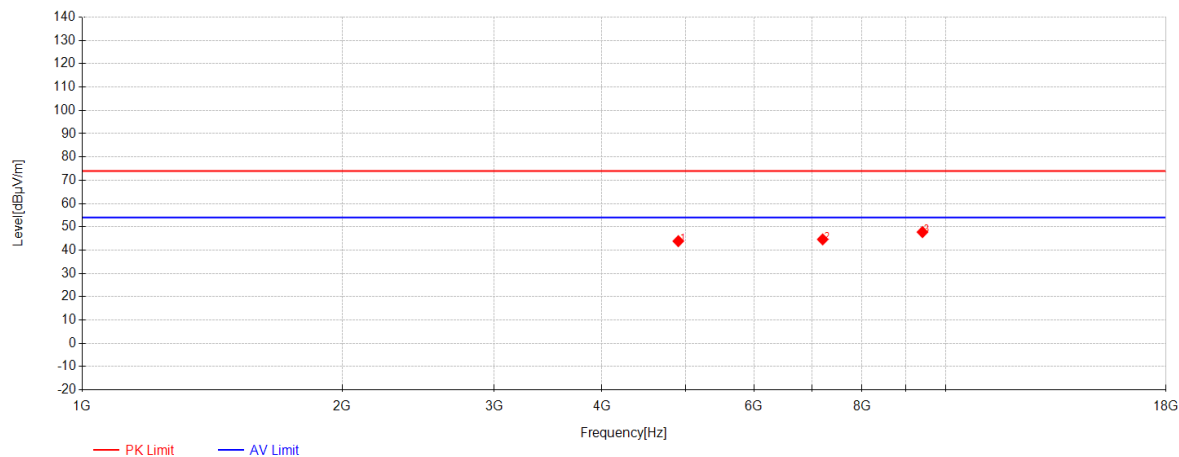


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1	4901.5	51.51	32.98	-41.20	43.29	74.00	30.71	Horizontal
2	6792.5	47.97	35.92	-38.48	45.40	74.00	28.60	Horizontal
3	8307.5	45.91	37.25	-35.98	47.19	74.00	26.81	Horizontal



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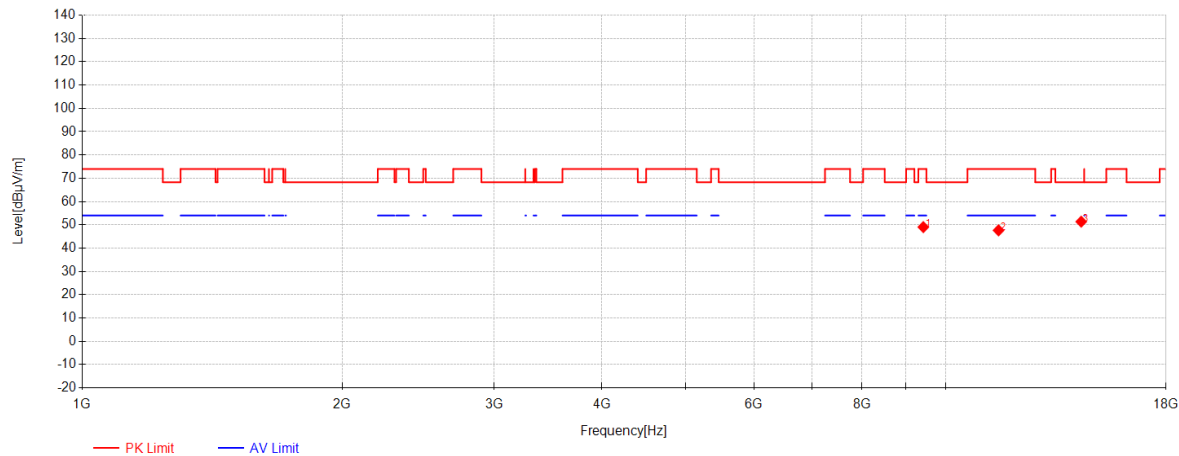
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1	4902.5	52.08	32.99	-41.21	43.86	74.00	30.14	Vertical
2	7205	46.39	36.25	-38.03	44.61	74.00	29.39	Vertical
3	9400.5	43.78	37.72	-33.75	47.75	74.00	26.25	Vertical



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11n40_Channel 38

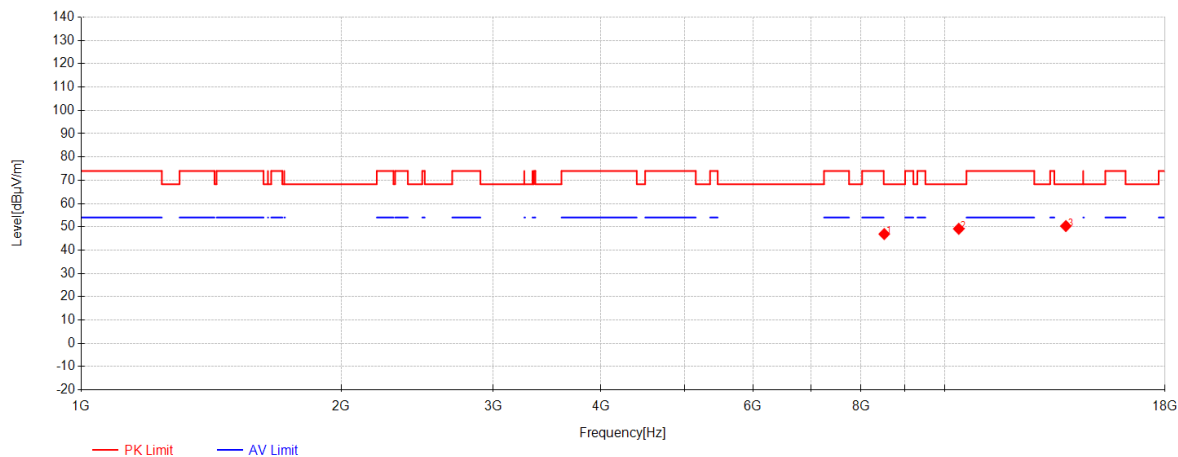


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1	9422.2	45.24	37.73	-33.93	49.03	74.00	24.97	Vertical
2	11516.966	39.16	38.40	-29.92	47.64	74.00	26.36	Vertical
3	14355.7	39.97	40.23	-28.84	51.36	68.30	16.94	Vertical



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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8512.8667	45.26	37.36	-35.72	46.90	68.30	21.40	Horizontal
2	10384.7	42.34	38.09	-31.28	49.15	68.30	19.15	Horizontal
3	13817.433	39.28	40.17	-29.11	50.34	68.30	17.96	Horizontal

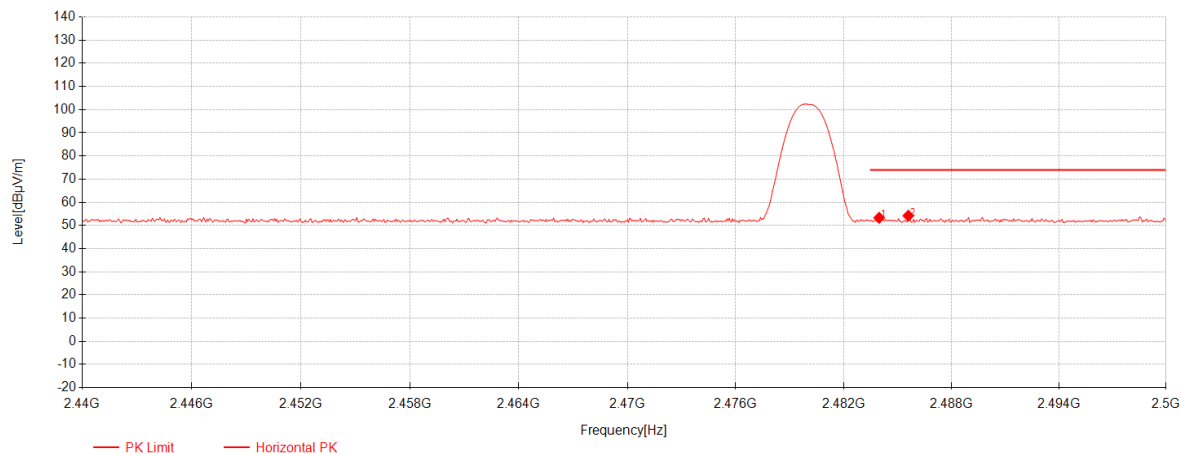


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Restricted bands around fundamental frequency

EDR_Channel 78

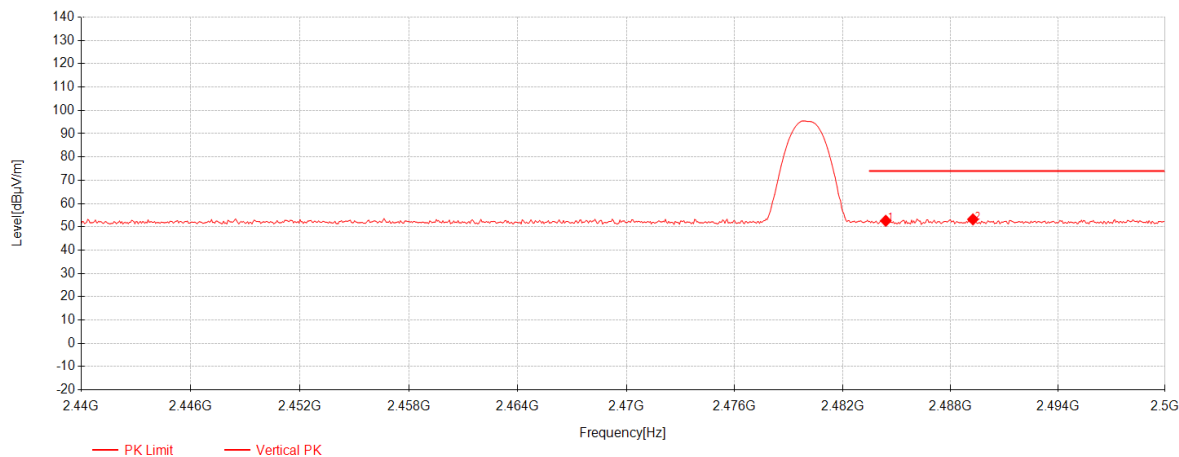


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1	2483.98	48.23	27.36	-23.27	52.32	74.00	21.68	Horizontal
2	2485.6	48.11	27.37	-23.27	52.21	74.00	21.79	Horizontal



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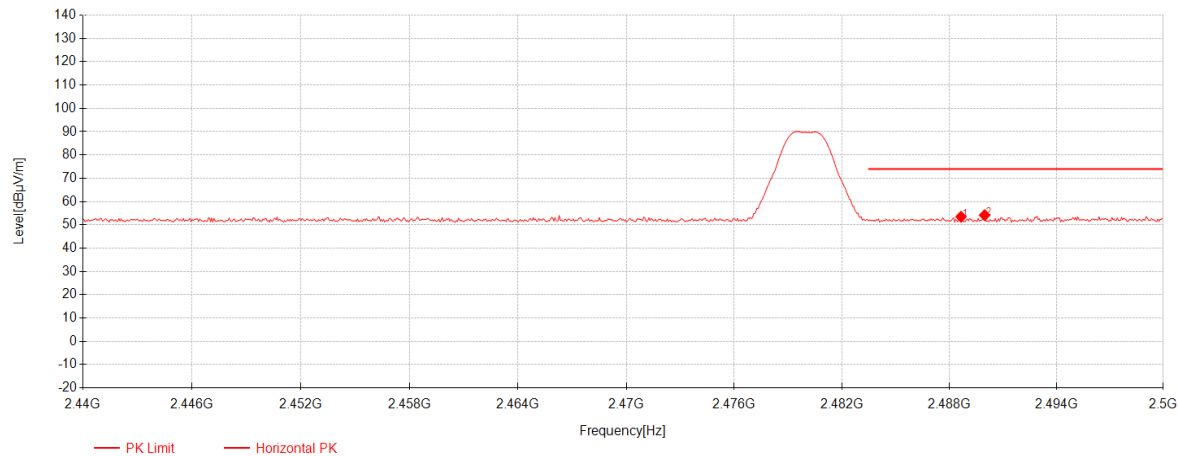
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1	2484.4	48.50	27.37	-23.27	52.60	74.00	21.40	Vertical
2	2489.26	47.97	27.38	-23.27	52.08	74.00	21.92	Vertical



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BLE 2M_Channel 39

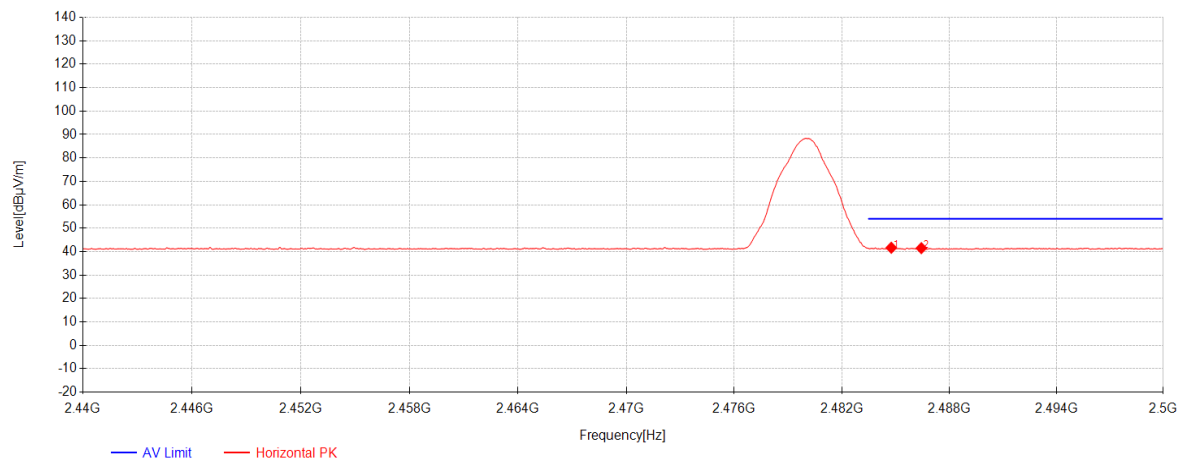


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1	2488.66	49.37	27.38	-23.27	53.48	74.00	20.52	Vertical
2	2489.98	50.03	27.38	-23.27	54.14	74.00	19.86	Vertical



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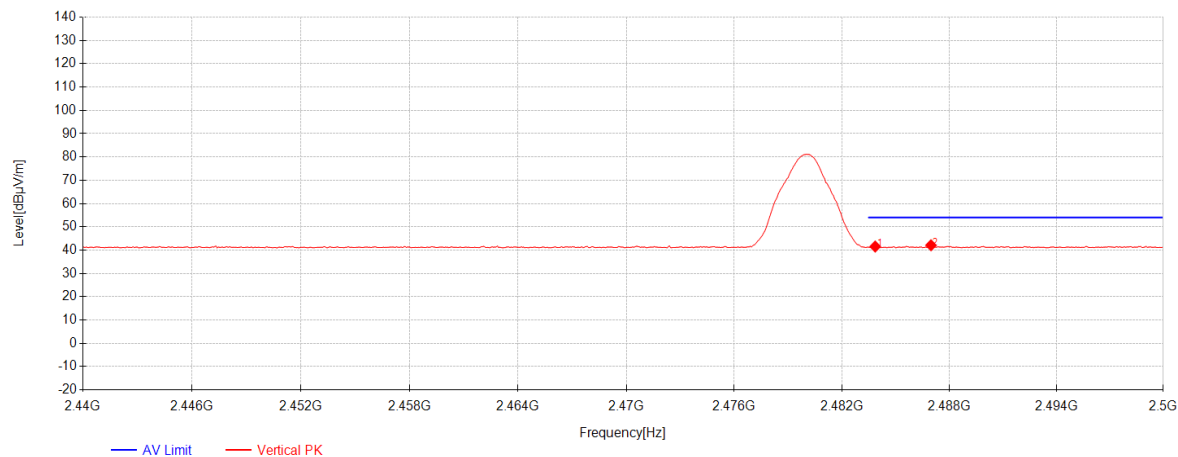


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1	2484.76	37.55	27.37	-23.27	41.65	54.00	12.35	Vertical
2	2486.44	37.39	27.37	-23.27	41.49	54.00	12.51	Vertical



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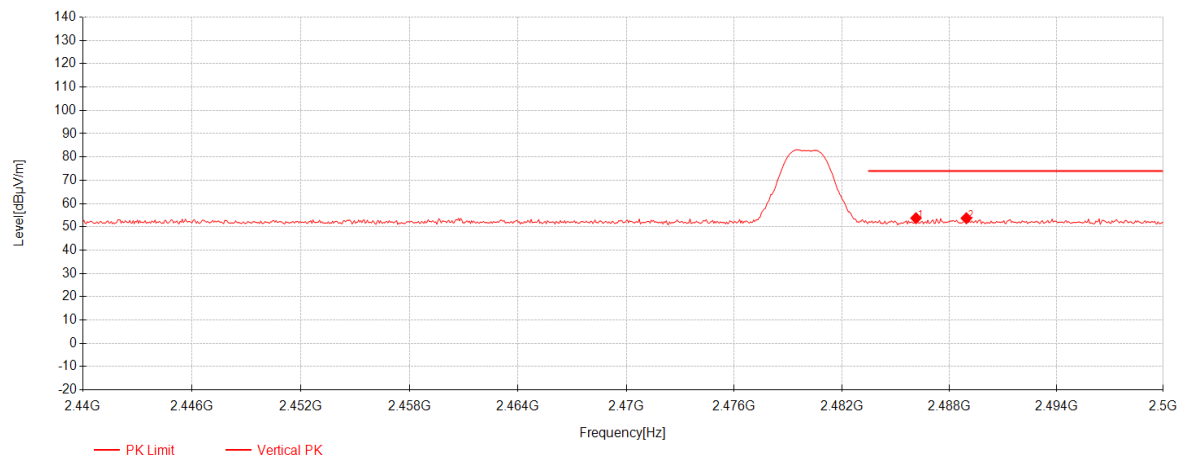


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1	2483.86	37.46	27.36	-23.27	41.55	54.00	12.45	Horizontal
2	2486.98	37.99	27.37	-23.27	42.09	54.00	11.91	Horizontal



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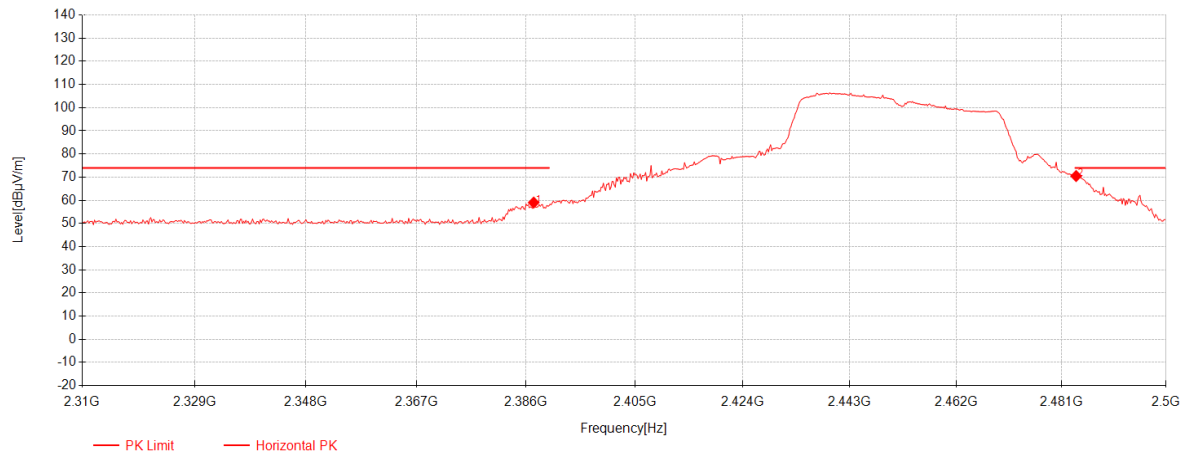
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1	2486.14	49.63	27.37	-23.27	53.73	74.00	20.27	Horizontal
2	2488.96	49.60	27.38	-23.27	53.71	74.00	20.29	Horizontal



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11n40_Channel 09

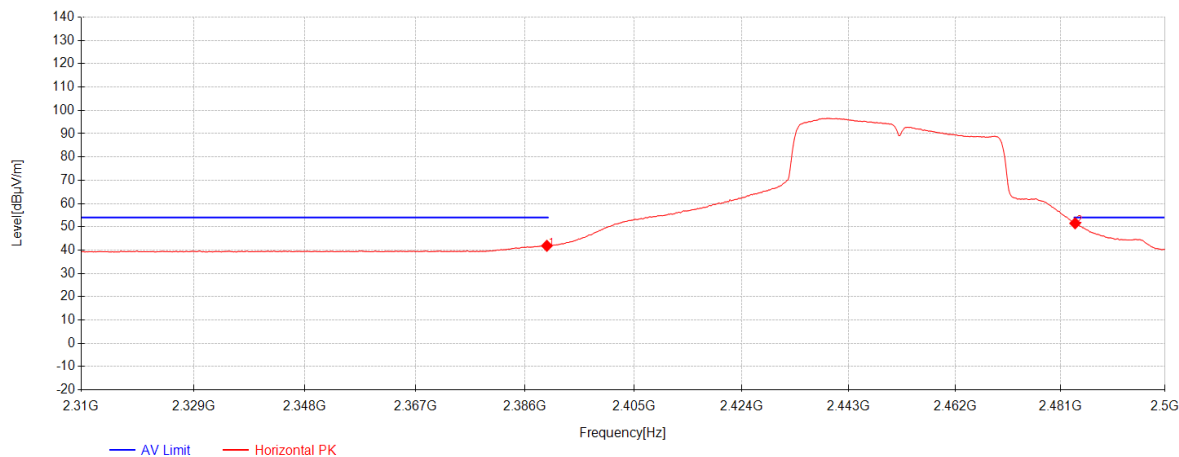


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1	2387.33	55.19	27.15	-23.31	59.03	74.00	14.97	Horizontal
2	2483.66	66.38	27.36	-23.27	70.47	74.00	3.53	Horizontal



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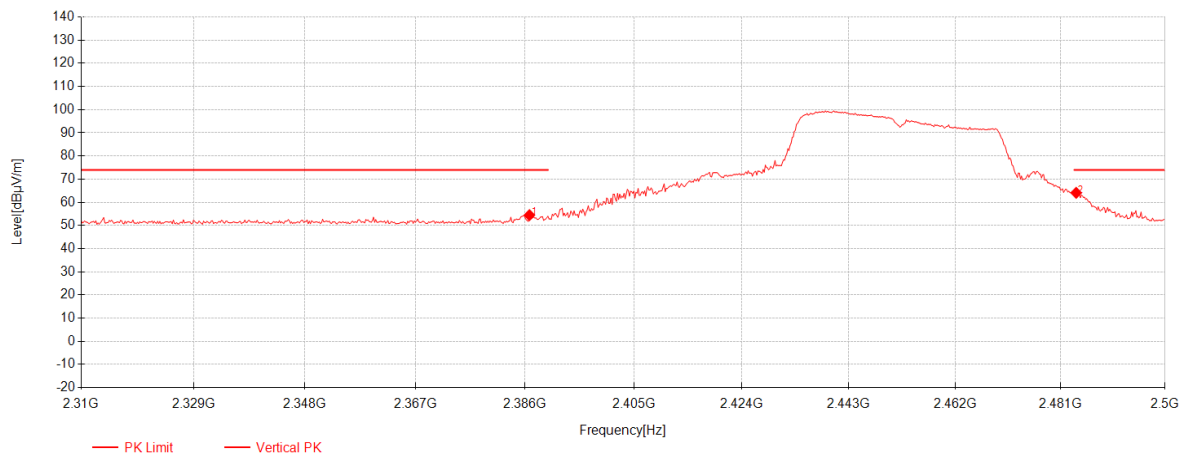


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1	2389.8	38.02	27.16	-23.31	41.86	54.00	12.14	Horizontal
2	2483.66	43.44	27.36	-23.27	47.53	54.00	6.47	Horizontal



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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2386.76	50.62	27.15	-23.31	54.46	74.00	19.54	Vertical
2	2483.85	60.01	27.36	-23.27	64.10	74.00	9.90	Vertical

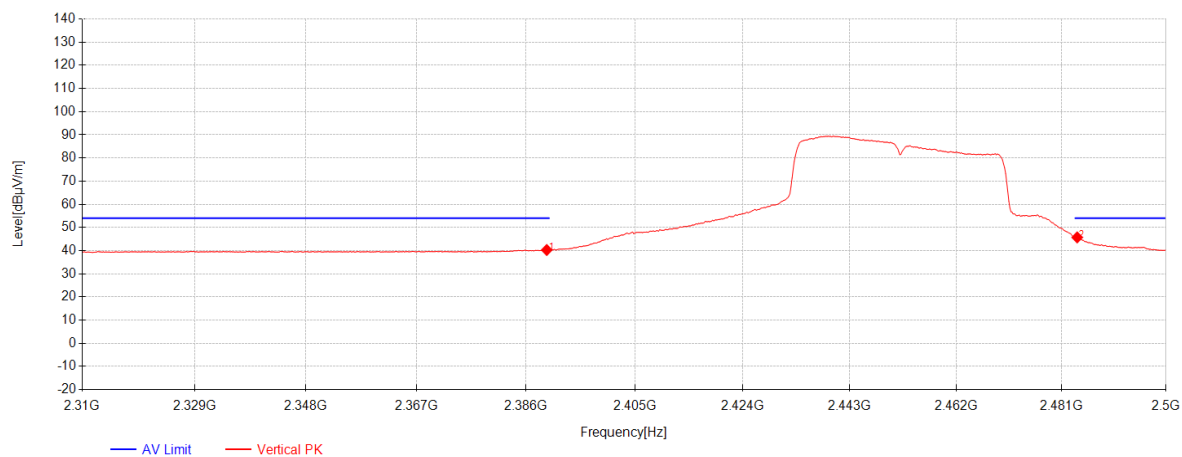


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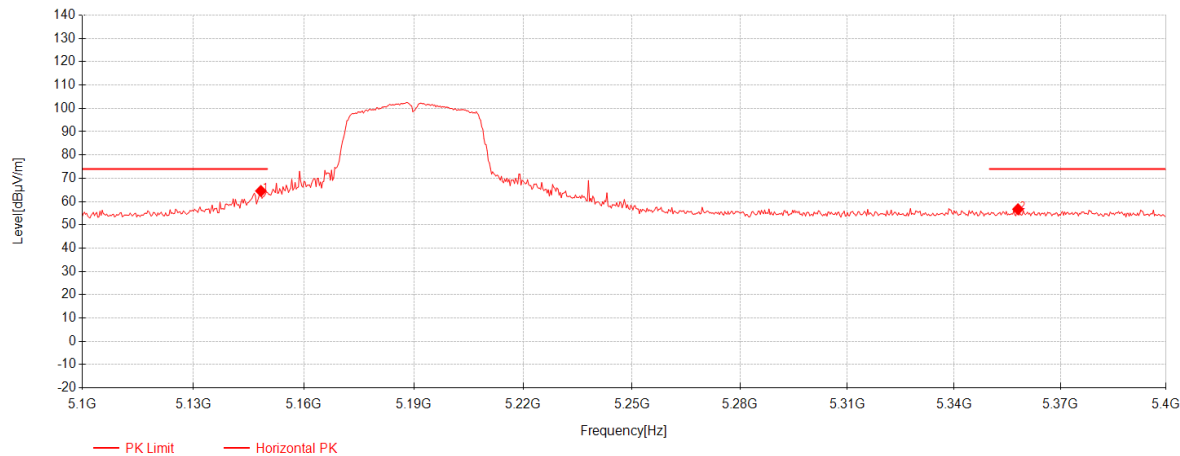
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2389.61	36.44	27.16	-23.31	40.28	54.00	13.72	Vertical
2	2483.85	41.62	27.36	-23.27	45.71	54.00	8.29	Vertical



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11n40_Channel 38

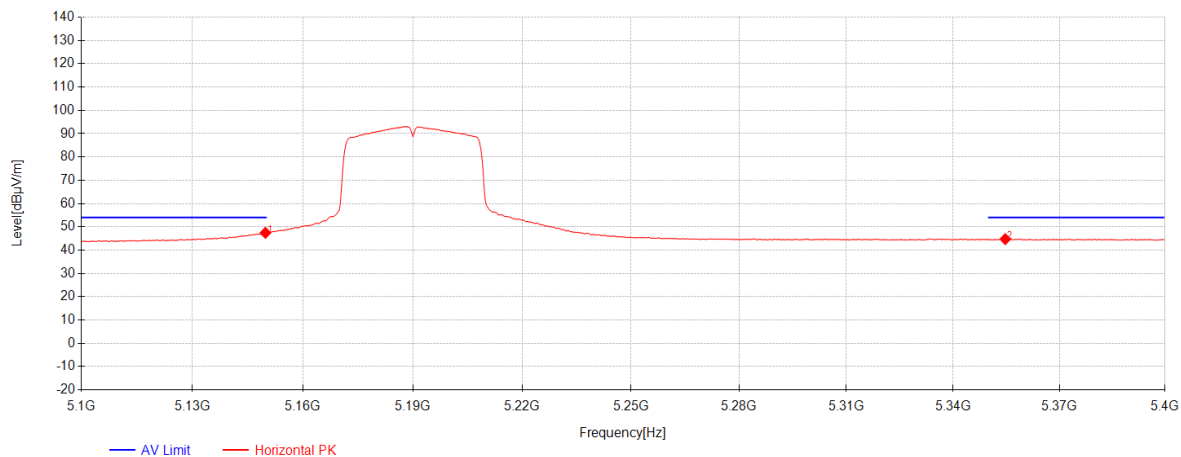


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5148.3	47.43	33.17	-16.07	64.53	74.00	9.47	Horizontal
2	5358	39.38	33.13	-15.80	56.71	74.00	17.29	Horizontal



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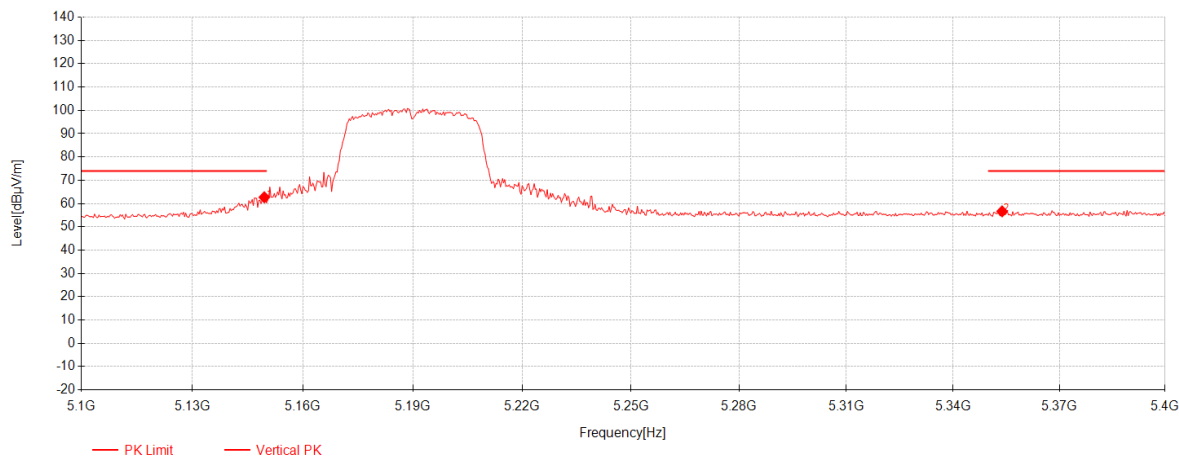


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5149.8	30.33	33.17	-16.07	47.43	54.00	6.57	Horizontal
2	5354.7	27.40	33.13	-15.80	44.73	54.00	9.27	Horizontal



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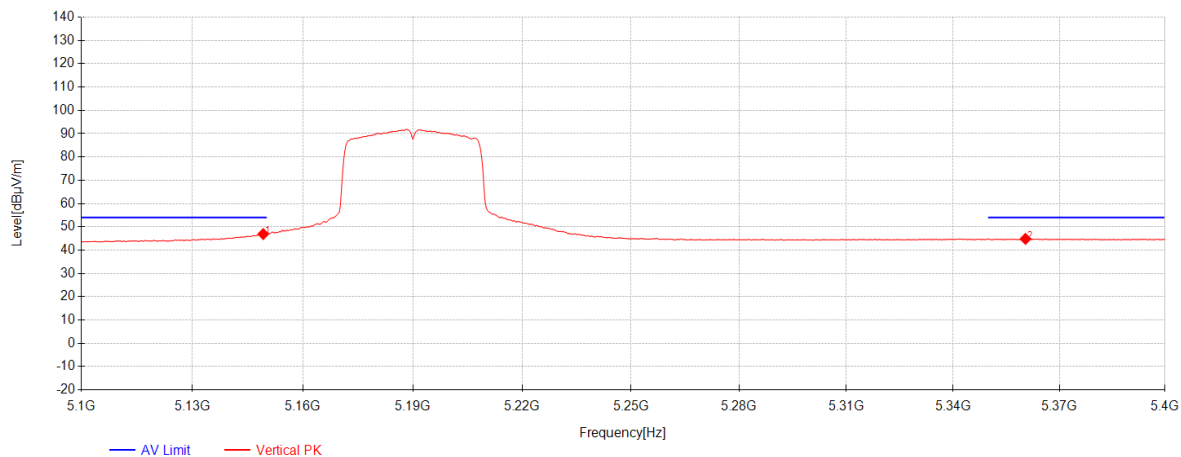


Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5149.5	45.58	33.17	-16.07	62.68	74.00	11.32	Vertical
2	5353.8	39.33	33.13	-15.80	56.66	74.00	17.34	Vertical



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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5149.2	29.80	33.17	-16.07	46.90	54.00	7.10	Vertical
2	5360.4	27.49	33.13	-15.80	44.82	54.00	9.18	Vertical



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Radiated Spurious emissions

Test Band = GSM 1900

Test Channel = Mid

Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3759.75	70.10	-48.31	28.92	-44.55	-13.00	31.55	Horizontal
2	5640	52.97	-47.62	32.66	-57.25	-13.00	44.25	Horizontal
3	7520	49.31	-45.85	36.40	-55.40	-13.00	42.40	Horizontal
4	9400	47.43	-43.05	37.96	-52.92	-13.00	39.92	Horizontal
5	11280	48.48	-40.44	39.47	-47.74	-13.00	34.74	Horizontal
6	13160	49.06	-38.58	39.04	-45.74	-13.00	32.74	Horizontal

Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3759.75	68.53	-48.31	28.92	-46.12	-13.00	33.12	Vertical
2	5640	56.89	-47.62	32.66	-53.33	-13.00	40.33	Vertical
3	7520	49.71	-45.85	36.40	-55.00	-13.00	42.00	Vertical
4	9400	47.30	-43.05	37.96	-53.05	-13.00	40.05	Vertical
5	11280	50.05	-40.44	39.47	-46.17	-13.00	33.17	Vertical
6	13160	49.10	-38.58	39.04	-45.70	-13.00	32.70	Vertical



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Test Band = WCDMA Band V

Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1691.5556	73.91	-49.74	25.64	-45.45	-13.00	32.45	Horizontal
2	2537.3333	69.34	-49.00	27.27	-47.65	-13.00	34.65	Horizontal
3	3386.4	71.88	-48.68	28.41	-43.65	-13.00	30.65	Horizontal
4	4233	48.92	-48.25	29.67	-64.92	-13.00	51.92	Horizontal
5	5079.6	50.08	-47.93	31.42	-61.68	-13.00	48.68	Horizontal
6	5926.2	49.76	-47.17	32.77	-59.90	-13.00	46.90	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1692	72.84	-49.74	25.64	-46.52	-13.00	33.52	Vertical
2	2536	69.13	-49.00	27.26	-47.86	-13.00	34.86	Vertical
3	3386.4	67.15	-48.68	28.41	-48.38	-13.00	35.38	Vertical
4	4233	49.11	-48.25	29.67	-64.73	-13.00	51.73	Vertical
5	5079.6	49.96	-47.93	31.42	-61.80	-13.00	48.80	Vertical
6	5926.2	49.88	-47.17	32.77	-59.78	-13.00	46.78	Vertical



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Test Band = LTE Band 4

Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3422.18	56.84	-48.38	28.44	-58.36	-13.00	45.36	Horizontal
2	5133.27	44.90	-47.84	31.57	-66.63	-13.00	53.63	Horizontal
3	6844.36	44.55	-46.82	35.25	-62.28	-13.00	49.28	Horizontal
4	8555.45	41.48	-44.11	36.91	-60.98	-13.00	47.98	Horizontal
5	10266.54	39.68	-41.48	38.99	-58.07	-13.00	45.07	Horizontal
6	11977.63	37.29	-39.55	39.40	-58.11	-13.00	45.11	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3422.18	58.87	-48.38	28.44	-56.33	-13.00	43.33	Vertical
2	5133.27	45.52	-47.84	31.57	-66.01	-13.00	53.01	Vertical
3	6844.36	43.86	-46.82	35.25	-62.97	-13.00	49.97	Vertical
4	8555.45	41.75	-44.11	36.91	-60.71	-13.00	47.71	Vertical
5	10266.54	40.24	-41.48	38.99	-57.51	-13.00	44.51	Vertical
6	11977.63	37.42	-39.55	39.40	-57.98	-13.00	44.98	Vertical



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Test Band = LTE Band 13 5M

Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1564.5	57.56	-49.89	25.25	-56.34	-40.00	16.34	Horizontal
2	2347	73.98	-49.29	26.92	-43.65	-13.00	30.65	Horizontal
3	3129.36	50.50	-48.83	28.20	-65.39	-13.00	52.39	Horizontal
4	3911.7	47.93	-48.42	29.16	-66.59	-13.00	53.59	Horizontal
5	4694.04	48.66	-48.08	30.53	-64.15	-13.00	51.15	Horizontal
6	5476.38	49.01	-47.40	32.53	-61.12	-13.00	48.12	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1564.5	65.05	-49.89	25.25	-54.85	-40.00	14.85	Vertical
2	2347	62.37	-49.29	26.92	-55.26	-13.00	42.26	Vertical
3	3129.36	50.43	-48.83	28.20	-65.46	-13.00	52.46	Vertical
4	3911.7	48.01	-48.42	29.16	-66.51	-13.00	53.51	Vertical
5	4694.04	49.14	-48.08	30.53	-63.67	-13.00	50.67	Vertical
6	5476.38	49.27	-47.40	32.53	-60.86	-13.00	47.86	Vertical



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Test Band = LTE Band 17

Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1411.1111	62.75	-49.99	24.18	-58.32	-13.00	45.32	Horizontal
2	2116.4444	62.57	-49.46	26.51	-55.65	-13.00	42.65	Horizontal
3	2822.36	52.62	-48.70	27.78	-63.56	-13.00	50.56	Horizontal
4	3527.95	54.40	-48.44	28.54	-60.76	-13.00	47.76	Horizontal
5	4233.54	49.01	-48.25	29.67	-64.82	-13.00	51.82	Horizontal
6	4939.13	49.12	-48.09	31.07	-63.16	-13.00	50.16	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1411.1111	69.08	-49.99	24.18	-51.99	-13.00	38.99	Vertical
2	2822.2222	54.62	-48.70	27.78	-61.56	-13.00	48.56	Vertical
3	2116.77	53.20	-49.47	26.51	-65.01	-13.00	52.01	Vertical
4	3527.95	55.07	-48.44	28.54	-60.09	-13.00	47.09	Vertical
5	4233.54	47.53	-48.25	29.67	-66.30	-13.00	53.30	Vertical
6	4939.13	48.93	-48.09	31.07	-63.35	-13.00	50.35	Vertical



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Test Band = LTE Band 38

Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	17866	51.49	-36.77	44.00	-36.55	-25.00	11.55	Horizontal
2	5202.18	51.10	-47.89	31.77	-60.28	-25.00	35.28	Horizontal
3	7803.27	48.74	-44.93	36.34	-55.11	-25.00	30.11	Horizontal
4	10404.36	46.74	-41.21	39.08	-50.65	-25.00	25.65	Horizontal
5	13005.45	46.18	-39.34	38.81	-49.61	-25.00	24.61	Horizontal
6	15606.54	45.07	-37.65	39.11	-48.73	-25.00	23.73	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	17888	51.86	-36.56	44.13	-35.83	-25.00	10.83	Vertical
2	5202.18	50.76	-47.89	31.77	-60.62	-25.00	35.62	Vertical
3	7803.27	48.15	-44.93	36.34	-55.70	-25.00	30.70	Vertical
4	10404.36	47.26	-41.21	39.08	-50.13	-25.00	25.13	Vertical
5	13005.45	46.03	-39.34	38.81	-49.76	-25.00	24.76	Vertical
6	15606.54	44.98	-37.65	39.11	-48.82	-25.00	23.82	Vertical



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Test Band = LTE Band 40

Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4611	57.86	-48.00	30.34	-55.05	-40.00	15.05	Horizontal
2	6930	44.65	-46.69	35.39	-61.91	-40.00	21.91	Horizontal
3	9240	41.80	-43.28	37.74	-59.00	-40.00	19.00	Horizontal
4	11550	40.58	-39.92	39.45	-55.15	-40.00	15.15	Horizontal
5	13860	41.66	-38.84	40.09	-52.35	-40.00	12.35	Horizontal
6	16170	43.72	-37.86	38.47	-50.93	-40.00	10.93	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4611	56.14	-48.00	30.34	-56.77	-40.00	16.77	Vertical
2	6930	44.95	-46.69	35.39	-61.61	-40.00	21.61	Vertical
3	9240	41.56	-43.28	37.74	-59.24	-40.00	19.24	Vertical
4	11550	41.30	-39.92	39.45	-54.43	-40.00	14.43	Vertical
5	13860	41.93	-38.84	40.09	-52.08	-40.00	12.08	Vertical
6	16170	42.07	-37.86	38.47	-52.58	-40.00	12.58	Vertical



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SAR

WB2 SAR Test Record										
Test position	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Handheld Back Test data(Separate 0mm)										
Handheld Back	RMC	9538 /1907.6	1:1	2.810	0.02	22.54	23.00	1.112	3.124	23.0

---End of Report---