

FCC Part 22H & 24E & 27 **Measurement and Test Report**

For

Shenzhen Inrico Electronics Co., LTD

3/F, Building NO.118, High Tech Industrial Park, 72 Guowei Road, Luohu District, Shenzhen, China

FCC ID: 2AIV6-T520

FCC Rules: FCC Part 22H, FCC Part 24E, FCC Part 27

Product Description: walkie talkie

Tested Model: T520

Report No.: STR18108145I-2

Sample Receipt Date: 2018-10-18

Tested Date: 2018-10-18 to 2019-01-02

Issued Date: 2019-01-02

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Note: This test report is limited to the above client company and the product model only. It may not be duplicated without prior permitted by Shenzhen SEM Test Technology Co., Ltd.



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1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

Client Information

Applicant: Shenzhen Inrico Electronics Co., LTD

Address of applicant: 3/F, Building NO.118, High Tech Industrial Park, 72 Guowei

Road, Luohu District, Shenzhen, China

Manufacturer: Shenzhen Inrico Electronics Co., LTD

Address of manufacturer: 3/F, Building NO.118, High Tech Industrial Park, 72 Guowei

Road, Luohu District, Shenzhen, China

General Description of EUT:			
Product Name:	walkie talkie		
Brand Name:	Inrico		
Model No.:	T520		
Adding Model(s):	/		
Rated Voltage:	DC3.8V		
Battery:	4000mAh		
	Model:HJ-0502000W2-US		
Adapter Model:	Input:AC100~240V 50/60Hz 0.3A		
	Output:DC5V,2000mA		
Software Version:	/		
Hardware Version:	/		
Device Category:	Portable Device		
Note: The test data is gathered f	rom a production sample provided by the manufacturer.		



Technical Characteristics of EUT: Main board				
4G				
Support Networks:	FDD-LTE			
Support Band:	FDD-LTE Band 2, 4, 5, 7, 12, 13, 17			
	FDD-LTE Band 2: Tx: 1850-1910MHz,			
	FDD-LTE Band 4: Tx: 1710-1755MHz,			
	FDD-LTE Band 5: Tx: 824-849MHz,			
Uplink Frequency:	FDD-LTE Band 7: Tx: 2500-2570MHz,			
	FDD-LTE Band 12: Tx: 699-716MHz,			
	FDD-LTE Band 13: Tx: 777-787MHz,			
	FDD-LTE Band 17: Tx: 704-716MHz			
	FDD-LTE Band 2: Rx: 1930-1990MHz,			
	FDD-LTE Band 4: Rx: 2110-2155MHz,			
	FDD-LTE Band 5: Rx: 869-894MHz,			
Downlink Frequency:	FDD-LTE Band 7: Rx: 2620-2690MHz,			
	FDD-LTE Band 12: Rx: 729-746MHz,			
	FDD-LTE Band 13: Rx: 746-756MHz,			
	FDD-LTE Band 17: Rx: 734-746MHz			
	FDD-LTE Band 2: 23.77dBm,			
	FDD-LTE Band 4: 24.34dBm,			
	FDD-LTE Band 5: 24.73dBm,			
RF Output Power:	FDD-LTE Band 7: 23.50dBm,			
	FDD-LTE Band 12: 24.02dBm,			
	FDD-LTE Band 13: 23.94dBm,			
	FDD-LTE Band 17: 23.99 dBm			
	FDD-LTE Band 2: 17M9G7D, 17M9W7D			
	FDD-LTE Band 4: 17M9G7D, 17M9W7D			
	FDD-LTE Band 5: 8M96G7D, 8M96W7D			
Type of Emission:	FDD-LTE Band 7: 17M9G7D, 17M9W7D			
	FDD-LTE Band 12: 8M95G7D, 8M94W7D			
	FDD-LTE Band 13: 8M94G7D, 8M94W7D			
	FDD-LTE Band 17: 8M94G7D, 8M94W7D			
Type of Modulation:	QPSK, 16QAM			
Antenna Type:	Integral Antenna			
	FDD-LTE Band 2: 0.32dBi,			
	FDD-LTE Band 4: 0.73dBi,			
	FDD-LTE Band 5: -0.29dBi,			
Antenna Gain:	FDD-LTE Band 7: 1.84dBi,			
	FDD-LTE Band 12: -0.08dBi,			
	FDD-LTE Band 13: 0.24dBi,			
	FDD-LTE Band 17: 0.16dBi,			



1.2 Test Standards

The tests were performed according to following standards:

<u>FCC Rules Part 2:</u> FREQUENCY ALLOCA-TIONS AND RADIO TREATY MAT-TERS; GENERAL RULES AND REG-ULATIONS

FCC Rules Part 22: PRIVATE LAND MOBILE RADIO SERVICES.

FCC Rules Part 24: PUBLIC MOBILE SERVICES

FCC Rules Part 27: MISCELLANEOUS WIRELESS COMMUNICATIONS SERVICES

<u>TIA/EIA 603 E March 2016:</u> Land Mobile FM or PM Communications Equipment Measurement and Performance Standards.

ANSI C63.26-2015: American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services

KDB 971168 D01 Power Meas License Digital Systems v03r01: MEASUREMENT GUIDANCE FOR CERTIFICATION OF LICENSED DIGITAL TRANSMITTERS

Maintenance of compliance is the responsibility of the manufacturer. Any modification of the product, which result in lowering the emission, should be checked to ensure compliance has been maintained.

1.3 Test Methodology

All measurements contained in this report were conducted with TIA/EIA 603 E/ KDB 971168/ ANSI C63.26 The equipment under test (EUT) was configured to measure its highest possible emission level. The test modes were adapted accordingly in reference to the Operating Instructions.

1.4 Test Facility

FCC - Registration No.: 125990

Shenzhen SEM Test Technology Co., Ltd. Laboratory has been recognized to perform compliance testing on equipment subject to the Commissions Declaration Of Conformity (DOC). The Designation Number is CN5010, and Test Firm Registration Number is 125990.

Industry Canada (IC) Registration No.: 11464A

The 3m Semi-anechoic chamber of Shenzhen SEM Test Technology Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 11464A.



1.5 EUT Setup and Test Mode

The EUT was operated in the engineering mode to fix the Tx frequency that was for the purpose of the measurements. All testing shall be performed under maximum output power condition, and to measure its highest possible emissions level, more detailed description as follows:

Test Mode List			
Test Mode	Description	Remark	
TM1	FDD-LTE Band 2	Low, Middle, High Channels	
TM2	FDD-LTE Band 4	Low, Middle, High Channels	
TM3	FDD-LTE Band 5	Low, Middle, High Channels	
TM4	FDD-LTE Band 7	Low, Middle, High Channels	
TM5	FDD-LTE Band 12	Low, Middle, High Channels	
TM6	FDD-LTE Band 13	Low, Middle, High Channels	
TM7	FDD-LTE Band 17	Low, Middle, High Channels	

Test Conditions		
Temperature:	22~25 °C	
Relative humidity	50~55 %.	
ATM Pressure:	1019 mbar	

EUT Cable List and Details					
Cable Description Length (m) Shielded/Unshielded With / Without Ferrite					
USB Cable	1.2	Unshielded	Without Ferrite		

Special Cable List and Details				
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite	
/	/	/	/	

Auxiliary Equipment List and Details					
Description Manufacturer Model Serial Number					
/	/	/	/		



1.6 Measurement Uncertainty

Measurement uncertainty				
Parameter	Conditions	Uncertainty		
RF Output Power	Conducted	±0.42dB		
Occupied Bandwidth	Conducted	±1.5%		
Frequency Stability	Conducted	2.3%		
Transmitter Spurious Emissions	Conducted	±0.42dB		
		$30-200 MHz \pm 4.52 dB$		
Transmitter Spurious Emissions	D 11 / 1	0.2-1GHz ±5.56dB		
	Radiated	1-6GHz ±3.84dB		
		6-18GHz ±3.92dB		

1.7 Test Equipment List and Details

No.	Description	Manufacturer	Model	Serial No.	Cal Date	Due. Date
SEMT-1075	Communication Tester	Rohde & Schwarz	CMW500	148650	2018-05-22	2019-05-21
SEMT-1063	GSM Tester	Rohde & Schwarz	CMU200	114403	2018-05-22	2019-05-21
SEMT-1072	Spectrum Analyzer	Agilent	E4407B	MY41440400	2018-05-22	2019-05-21
SEMT-1079	Spectrum Analyzer	Agilent	N9020A	US47140102	2018-05-22	2019-05-21
SEMT-1080	Signal Generator	Agilent	83752A	3610A01453	2018-05-22	2019-05-21
SEMT-1081	Vector Signal Generator	Agilent	N5182A	MY47070202	2018-05-22	2019-05-21
SEMT-1028	Power Divider	Weinschel	1506A	PM204	2018-05-22	2019-05-21
SEMT-1082	Power Divider	RF-Lambda	RFLT4W5M18G	14110400027	2018-05-22	2019-05-21
SEMT-1031	Spectrum Analyzer	Rohde & Schwarz	FSP30	836079/035	2018-05-22	2019-05-21
SEMT-1007	EMI Test Receiver	Rohde & Schwarz	ESVB	825471/005	2018-05-22	2019-05-21
SEMT-1008	Amplifier	Agilent	8447F	3113A06717	2018-05-22	2019-05-21
SEMT-1043	Amplifier	C&D	PAP-1G18	2002	2018-05-22	2019-05-21
SEMT-1069	Loop Antenna	Schwarz beck	FMZB 1516	9773	2017-06-08	2020-06-07
SEMT-1068	Broadband Antenna	Schwarz beck	VULB9163	9163-333	2017-06-08	2020-06-07
SEMT-1042	Horn Antenna	ETS	3117	00086197	2017-06-08	2020-06-07
SEMT-1121	Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170582	2017-06-08	2020-06-07
SEMT-1168	Pre-amplifier	Direction Systems Inc.	PAP-0126	14141-12838	2018-05-22	2019-05-21
SEMT-1169	Pre-amplifier	Direction Systems Inc.	PAP-2640	14145-14153	2018-05-22	2019-05-21
SEMT-1163	Spectrum Analyzer	Rohde & Schwarz	FSP40	100612	2018-05-22	2019-05-21
SEMT-1170	DRG Horn Antenna	A.H. SYSTEMS	SAS-574	571	2018-03-19	2021-03-18



2. SUMMARY OF TEST RESULTS

FCC Rules	Description of Test Item	Result
§ 1.1307, § 2.1093	RF Exposure	Compliant
§ 22.913 (a), § 24.232 (c), §27.50(d)	RF Output Power	Compliant
§ 24.51, § 27.50	Peak-to-average Ratio (PAR) of Transmitter	Compliant
§ 22.917 (b), § 24.238 (b), § 27.53	Emission Bandwidth	Compliant
§ 22.917 (a), § 24.238 (a), § 27.53(h)	Spurious Emissions at Antenna Terminal	Compliant
§ 22.917 (a), § 24.238 (a), § 27.53(h)	Spurious Radiation Emissions	Compliant
§ 22.917 (a), § 24.238 (a), § 27.53(h)	Out of Band Emissions	Compliant
§ 22.355, § 24.235, § 27.54	Frequency Stability	Compliant



3. RF Exposure

3.1 Standard Applicable

According to § 1.1307 and § 2.1093, the portable transmitter must comply the RF exposure requirements.

3.2 Test Result

This product complied with the requirement of the RF exposure, please see the SAR report.

4. RF Output Power

4.1 Standard Applicable

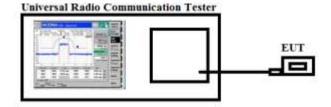
According to §24.232 (c), Mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

According to §27.50(d)(4), Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP.

According to §27.50(c)(10), Portable stations (hand-held devices) in the 698-746 MHz band are limited to 3 watts ERP.

4.2 Test Procedure

Conducted output power test method:



- Radiated power test method:
- 1. The setup of EUT is according with per ANSI/TIA Standard 603E and ANSI C63.26 measurement procedure.
- 2. The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis.
- 3. The frequency range up to tenth harmonic of the fundamental frequency was investigated.
- 4. Remove the EUT and replace it with substitution antenna. A signal generator was connected to the substitution antenna by a non-radiating cable. The absolute levels of the spurious emissions were measured by the substitution.

4.3 Summary of Test Results/Plots



Max. Radiated Power:

FDD-LTE Band 2

2 332 2	Channel Bandwidth: 1.4 MHz					
Modulation	Channel	E.i.r.p [dBm]	Verdict			
	LCH	22.01	PASS			
QPSK	MCH	22.63	PASS			
	HCH	21.79	PASS			
	LCH	21.70	PASS			
16QAM	MCH	21.35	PASS			
	HCH	21.40	PASS			
	Chan	nel Bandwidth: 3 MHz				
Modulation	Channel	E.i.r.p [dBm]	Verdict			
	LCH	21.81	PASS			
QPSK	MCH	21.65	PASS			
	HCH	21.42	PASS			
	LCH	21.35	PASS			
16QAM	MCH	21.39	PASS			
	HCH	21.77	PASS			
	Chani	nel Bandwidth: 5 MHz				
Modulation	Channel	E.i.r.p [dBm]	Verdict			
	LCH	21.40	PASS			
QPSK	MCH	21.26	PASS			
	HCH	21.06	PASS			
	LCH	21.23	PASS			
16QAM	MCH	21.69	PASS			
	HCH	21.58	PASS			
	Chann	nel Bandwidth: 10 MHz				
Modulation	Channel	E.i.r.p [dBm]	Verdict			
	LCH	22.65	PASS			
QPSK	MCH	21.98	PASS			
	HCH	21.99	PASS			
	LCH	21.74	PASS			
16QAM	MCH	21.75	PASS			
	HCH	21.19	PASS			



Channel Bandwidth: 15 MHz				
Modulation	Channel	E.i.r.p [dBm]	Verdict	
	LCH	21.98	PASS	
QPSK	MCH	21.08	PASS	
	HCH	21.15	PASS	
	LCH	20.81	PASS	
16QAM	MCH	21.10	PASS	
	HCH	21.11	PASS	
	Cha	nnel Bandwidth: 20 MHz		
Modulation	Channel	E.i.r.p [dBm]	Verdict	
	LCH	21.60	PASS	
QPSK	MCH	21.38	PASS	
	HCH	20.89	PASS	
	LCH	21.08	PASS	
16QAM	MCH	21.54	PASS	
	HCH	21.71	PASS	

	Chanr	nel Bandwidth: 1.4 MHz	
Modulation	Channel	E.i.r.p [dBm]	Verdict
	LCH	21.57	PASS
QPSK	MCH	21.56	PASS
	HCH	20.86	PASS
	LCH	21.74	PASS
16QAM	MCH	21.37	PASS
	HCH	21.80	PASS
	Char	nnel Bandwidth: 3 MHz	
Modulation	Channel	E.i.r.p [dBm]	Verdict
	LCH	20.87	PASS
QPSK	MCH	20.75	PASS
	HCH	20.90	PASS
	LCH	21.26	PASS
16QAM	MCH	21.21	PASS
	HCH	21.47	PASS





	Channel	Bandwidth: 5 MHz	
Modulation	Channel	E.i.r.p [dBm]	Verdict
	LCH	21.18	PASS
QPSK	MCH	21.10	PASS
	HCH	20.97	PASS
	LCH	21.13	PASS
16QAM	MCH	21.31	PASS
	HCH	21.23	PASS
	Channel	Bandwidth: 10 MHz	
Modulation	Channel	E.i.r.p [dBm]	Verdict
	LCH	21.10	PASS
QPSK	MCH	21.22	PASS
	HCH	21.53	PASS
	LCH	20.62	PASS
16QAM	MCH	20.75	PASS
	HCH	20.91	PASS
	Channel	Bandwidth: 15 MHz	
Modulation	Channel	E.i.r.p [dBm]	Verdict
	LCH	21.27	PASS
QPSK	MCH	20.99	PASS
	HCH	21.01	PASS
	LCH	21.47	PASS
16QAM	MCH	21.29	PASS
	HCH	21.48	PASS
	Channel	Bandwidth: 20 MHz	
Modulation	Channel	E.i.r.p [dBm]	Verdict
	LCH	20.52	PASS
QPSK	MCH	20.69	PASS
	HCH	20.41	PASS
	LCH	20.90	PASS
16QAM	MCH	20.51	PASS
	HCH	20.86	PASS



	Channel E	Bandwidth: 1.4 MHz	
Modulation	Channel	E.r.p [dBm]	Verdict
	LCH	21.33	PASS
QPSK	MCH	21.50	PASS
	HCH	20.86	PASS
	LCH	21.86	PASS
16QAM	MCH	21.52	PASS
	HCH	21.46	PASS
	Channel	Bandwidth: 3 MHz	
Modulation	Channel	E.r.p [dBm]	Verdict
	LCH	20.85	PASS
QPSK	MCH	20.78	PASS
	HCH	20.67	PASS
	LCH	20.55	PASS
16QAM	MCH	20.50	PASS
	HCH	21.15	PASS
	Channel	Bandwidth: 5 MHz	
Modulation	Channel	E.r.p [dBm]	Verdict
	LCH	21.11	PASS
QPSK	MCH	20.96	PASS
	HCH	21.20	PASS
	LCH	21.77	PASS
16QAM	MCH	21.13	PASS
	HCH	21.35	PASS
	Channel I	Bandwidth: 10 MHz	
Modulation	Channel	E.r.p [dBm]	Verdict
	LCH	21.95	PASS
QPSK	MCH	21.31	PASS
	НСН	21.21	PASS
	LCH	21.56	PASS
16QAM	MCH	21.24	PASS
	HCH	21.45	PASS



FDD-LIE Band /	Char	nnel Bandwidth: 5 MHz	
Modulation	Channel	E.i.r.p [dBm]	Verdict
	LCH	21.08	PASS
QPSK	MCH	21.02	PASS
	HCH	21.24	PASS
	LCH	20.87	PASS
16QAM	MCH	21.12	PASS
	HCH	21.03	PASS
	Chan	nel Bandwidth: 10 MHz	
Modulation	Channel	E.i.r.p [dBm]	Verdict
	LCH	21.48	PASS
QPSK	MCH	21.03	PASS
	HCH	21.34	PASS
	LCH	21.78	PASS
16QAM	MCH	21.10	PASS
	HCH	21.59	PASS
	Chan	nel Bandwidth: 15 MHz	
Modulation	Channel	E.i.r.p [dBm]	Verdict
	LCH	21.01	PASS
QPSK	MCH	21.17	PASS
	HCH	21.19	PASS
	LCH	21.15	PASS
16QAM	MCH	21.20	PASS
	HCH	21.18	PASS
	Chan	nel Bandwidth: 20 MHz	
Modulation	Channel	E.i.r.p [dBm]	Verdict
	LCH	21.84	PASS
QPSK	MCH	21.29	PASS
	HCH	21.55	PASS
	LCH	21.17	PASS
16QAM	MCH	21.16	PASS
	HCH	21.40	PASS



FDD-LIE Band 12	Char	nnel Bandwidth: 1.4 MHz	
Modulation	Channel	E.r.p [dBm]	Verdict
	LCH	21.32	PASS
QPSK	MCH	21.02	PASS
	HCH	21.56	PASS
	LCH	21.17	PASS
16QAM	MCH	20.87	PASS
	HCH	21.30	PASS
	Cha	nnel Bandwidth: 3 MHz	
Modulation	Channel	E.r.p [dBm]	Verdict
	LCH	21.83	PASS
QPSK	MCH	21.48	PASS
	HCH	21.50	PASS
	LCH	21.96	PASS
16QAM	MCH	22.02	PASS
	HCH	22.14	PASS
	Cha	nnel Bandwidth: 5 MHz	
Modulation	Channel	E.r.p [dBm]	Verdict
	LCH	21.85	PASS
QPSK	MCH	22.07	PASS
	HCH	22.06	PASS
	LCH	22.15	PASS
16QAM	MCH	22.10	PASS
	HCH	21.93	PASS
	Char	nnel Bandwidth: 10 MHz	
Modulation	Channel	E.r.p [dBm]	Verdict
	LCH	22.25	PASS
QPSK	MCH	22.17	PASS
	HCH	22.09	PASS
	LCH	22.13	PASS
16QAM	MCH	21.97	PASS
	HCH	22.09	PASS



FDD-LTE Band 13

Channel Bandwidth: 5 MHz					
Modulation	Channel	E.r.p [dBm]	Verdict		
	LCH	20.88	PASS		
QPSK	MCH	21.23	PASS		
	HCH	21.28	PASS		
	LCH	21.59	PASS		
16QAM	MCH	21.00	PASS		
	HCH	21.68	PASS		
	Chai	nnel Bandwidth: 10 MHz			
Modulation	Channel	E.r.p [dBm]	Verdict		
QPSK	LCH	21.37	PASS		
16QAM	LCH	21.20 PASS			

	Cha	annel Bandwidth: 5 MHz	
Modulation	Channel	E.r.p [dBm]	Verdict
	LCH	21.07	PASS
QPSK	MCH	21.08	PASS
	HCH	21.67	PASS
	LCH	21.20	PASS
16QAM	MCH	21.56	PASS
	HCH	21.20	PASS
	Cha	nnel Bandwidth: 10 MHz	
Modulation	Channel	E.r.p [dBm]	Verdict
	LCH	21.20	PASS
QPSK	MCH	21.61	PASS
	HCH	21.21	PASS
	LCH	21.53	PASS
16QAM	MCH	21.30	PASS
	HCH	21.66	PASS

Max. Conducted Output Power

Please refer to Appendix A: Average Power Output Data



5. Peak-to-average Ratio (PAR) of Transmitter

5.1 Standard Applicable

According to §24.232(d), Power measurements for transmissions by stations authorized under this section may be made either in accordance with a Commission-approved average power technique or in compliance with paragraph (e) of this section. In both instances, equipment employed must be authorized in accordance with the provisions of §24.51. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

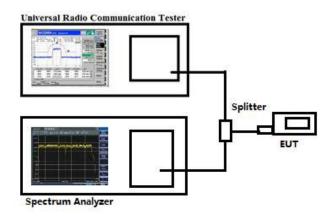
According to §27.50(B), the peak-to-average power ratio (PAPR) of the transmitter output power must not exceed 13 dB. The PAPR measurements should be made using either an instrument with complementary cumulative distribution function (CCDF) capabilities to determine that PAPR will not exceed 13 dB for more than 0.1 percent of the time or other Commission approved procedure. The measurement must be performed using a signal corresponding to the highest PAPR expected during periods of continuous transmission.

5.2 Test Procedure

According with KDB 971168

- 1. The signal analyzer's CCDF measurement profile is enabled
- 2. Frequency = carrier center frequency
- 3. Measurement BW > Emission bandwidth of signal
- 4. The signal analyzer was set to collect one million samples to generate the CCDF curve
- 5. The measurement interval was set depending on the type of signal analyzed. For continuous signals (>98% duty cycle), the measurement interval was set to 1ms. For burst transmissions, the spectrum analyzer is set to use an internal "RF Burst" trigger that is synced with an incoming pulse and the measurement interval is set to less than the duration of the "on time" of one burst to ensure that energy is only captured during a time in which the transmitter is operating at maximum power

Test Configuration for the emission bandwidth testing:



5.3 Summary of Test Results

Please refer to Appendix B: Peak-to-Average Ratio



6. Emission Bandwidth

6.1 Standard Applicable

According to §22.917(b), The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

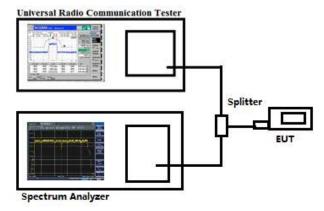
According to §24.238(b), The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

According to §27.53, The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

6.2 Test Procedure

According to \$22.917(b), The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

Test Configuration for the emission bandwidth testing:



6.3 Summary of Test Results/Plots

Please refer to Appendix C: 26dB Bandwidth and Occupied Bandwidth

7. Out of Band Emissions at Antenna Terminal

7.1 Standard Applicable

According to \$22.917(a), the power of any emissions outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P) dB$.

According to §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.

According to \$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 log10 (P) dB.

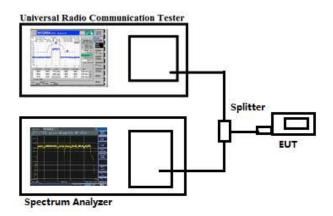
According to \$27.53 (g) For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB.

According to §27.53 (m)(4) For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz.

7.2 Test Procedure

The RF output terminal of the transmitter was connected to the input of the spectrum analyzer via a suitable attenuation. The RBW of the spectrum analyzer was set to 100kHz and 1MHz for the scan frequency from 30MHz to 1GHz and the scan frequency from 1GHz to up to 10th harmonic.

Test Configuration for the out of band emissions testing:





7.3 Summary of Test Results/Plots

Please refer to Appendix D & E: Band Edge & Conducted Spurious Emission



8. Spurious Radiated Emissions

8.1 Standard Applicable

According to §22.917(a), the power of any emissions 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.

According to \$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 $43 + 10 \log(P) dB$.

According to §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 log10 (P) dB.

According to \$27.53 (g) the power of any emission outside a 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, by at least 43 + 10 log (P) dB.

8.2 Test Procedure

- 1. The setup of EUT is according with per ANSI/TIA-603-D: 2010 and ANSI C63.4-2014 measurement procedure.
- 2. The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis.
- 3. The frequency range up to tenth harmonic of the fundamental frequency was investigated.
- 4. Remove the EUT and replace it with substitution antenna. A signal generator was connected to the substitution antenna by a non-radiating cable. The absolute levels of the spurious emissions were measured by the substitution.

Spurious attenuation limit in dB = $43+10 \text{ Log}_{10}$ (power out in Watts)

8.3 Summary of Test Results/Plots

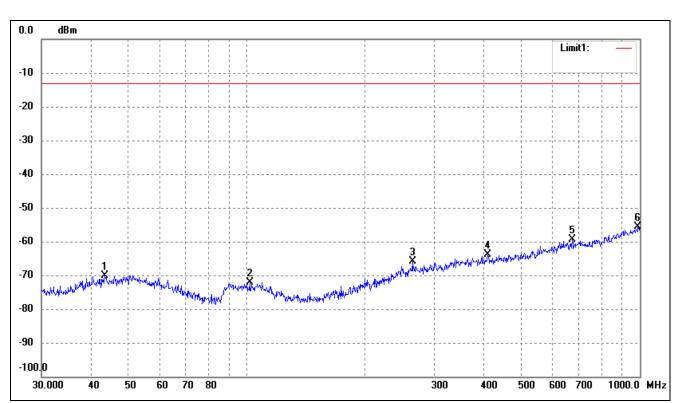
Note: 1. this EUT was tested in 3 orthogonal positions and the worst case position data was reported.

2. All test modes (different bandwidth and different modulation) are performed, but only the worst case is recorded in this report.



> Spurious Emissions Below 1GHz

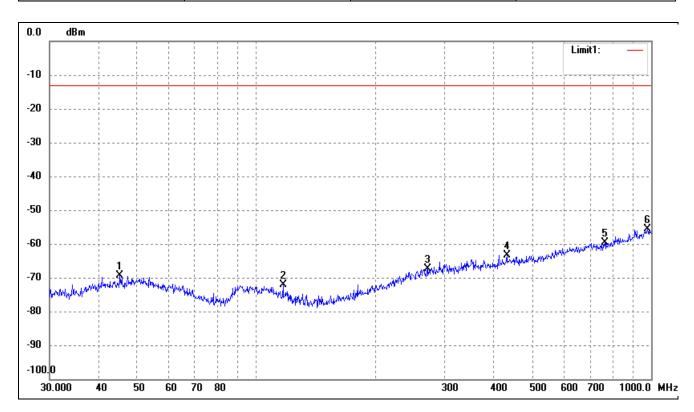
Test Mode	FDD_LTE Band 2	Polarity:	Horizontal
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No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBm)	dB	(dBm)	(dBm)	(dB)	
1	43.5057	-69.70	-0.30	-70.00	-13.00	-57.00	ERP
2	101.6443	-70.33	-1.86	-72.19	-13.00	-59.19	ERP
3	263.8190	-68.72	2.78	-65.94	-13.00	-52.94	ERP
4	410.3825	-69.07	5.32	-63.75	-13.00	-50.75	ERP
5	672.8445	-68.82	9.33	-59.49	-13.00	-46.49	ERP
6	989.5355	-69.48	13.90	-55.58	-13.00	-42.58	ERP



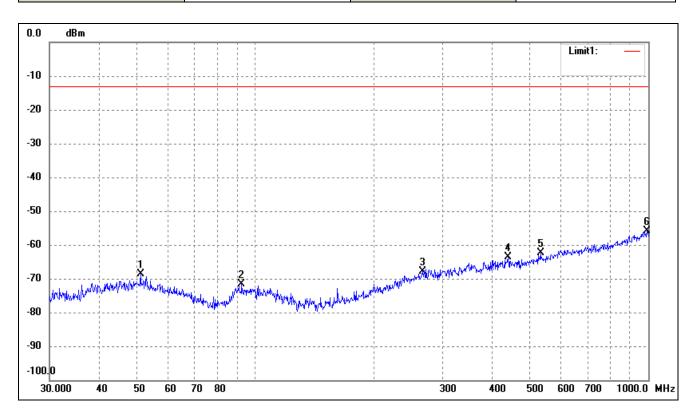
Test Mode FDD_LTE Band 2	Polarity:	Vertical
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No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBm)	dB	(dBm)	(dBm)	(dB)	
1	45.2166	-69.34	-0.12	-69.46	-13.00	-56.46	ERP
2	116.9495	-68.85	-3.30	-72.15	-13.00	-59.15	ERP
3	271.3246	-70.12	2.74	-67.38	-13.00	-54.38	ERP
4	431.0316	-69.08	5.74	-63.34	-13.00	-50.34	ERP
5	763.3757	-69.88	10.17	-59.71	-13.00	-46.71	ERP
6	979.1804	-69.61	14.04	-55.57	-13.00	-42.57	ERP



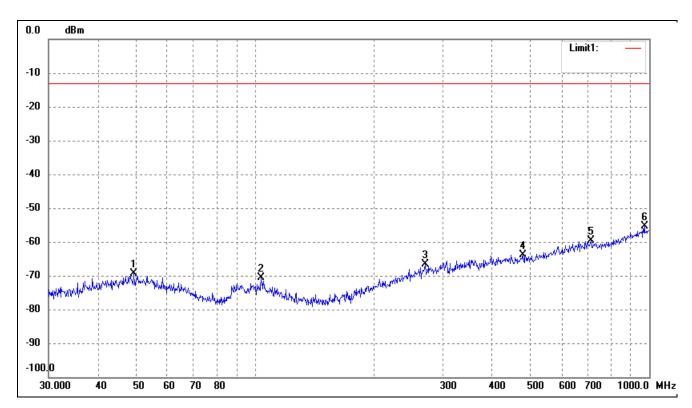
Test Mode	FDD_LTE Band 4	Polarity:	Horizontal
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No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBm)	dB	(dBm)	(dBm)	(dB)	
1	51.1209	-68.93	0.21	-68.72	-13.00	-55.72	ERP
2	92.4624	-69.49	-2.09	-71.58	-13.00	-58.58	ERP
3	266.6089	-70.74	2.83	-67.91	-13.00	-54.91	ERP
4	440.1963	-69.37	5.71	-63.66	-13.00	-50.66	ERP
5	531.9635	-69.35	6.89	-62.46	-13.00	-49.46	ERP
6	993.0114	-69.68	13.92	-55.76	-13.00	-42.76	ERP



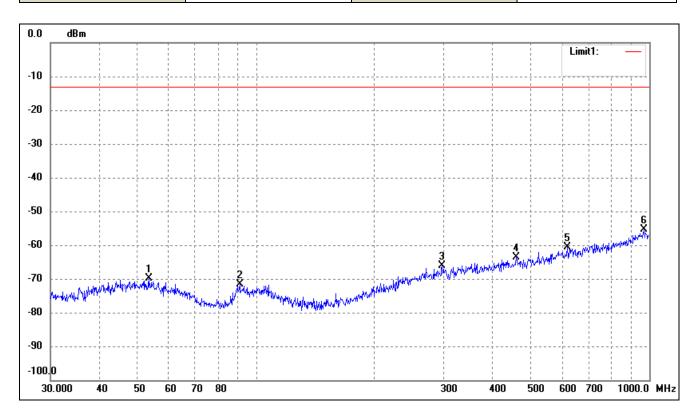
Test Mode FDD_LT	E Band 4 Polarity:	Vertical
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No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBm)	dB	(dBm)	(dBm)	(dB)	
1	49.3594	-69.64	0.19	-69.45	-13.00	-56.45	ERP
2	103.8055	-68.87	-1.68	-70.55	-13.00	-57.55	ERP
3	270.3748	-69.42	2.71	-66.71	-13.00	-53.71	ERP
4	478.8456	-69.83	5.97	-63.86	-13.00	-50.86	ERP
5	711.6734	-69.50	9.94	-59.56	-13.00	-46.56	ERP
6	972.3374	-69.07	13.74	-55.33	-13.00	-42.33	ERP



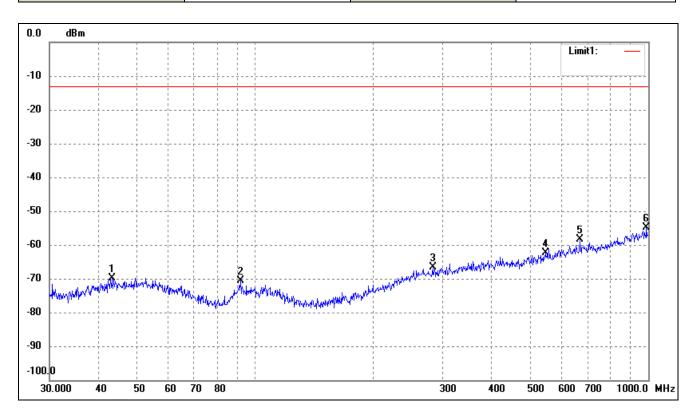
Test Mode	FDD_LTE Band 5	Polarity:	Horizontal	
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No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBm)	dB	(dBm)	(dBm)	(dB)	
1	53.3179	-69.98	0.02	-69.96	-13.00	-56.96	ERP
2	90.8554	-69.78	-1.77	-71.55	-13.00	-58.55	ERP
3	297.2241	-69.88	3.64	-66.24	-13.00	-53.24	ERP
4	459.1144	-69.30	5.80	-63.50	-13.00	-50.50	ERP
5	618.5369	-69.45	8.73	-60.72	-13.00	-47.72	ERP
6	968.9338	-69.15	13.66	-55.49	-13.00	-42.49	ERP



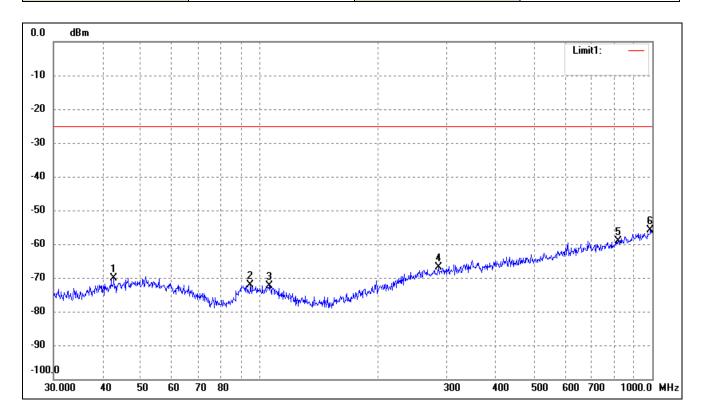
Test Mode FDD_LT	E Band 5 Polarity:	Vertical
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No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBm)	dB	(dBm)	(dBm)	(dB)	
1	43.2017	-69.49	-0.33	-69.82	-13.00	-56.82	ERP
2	91.8163	-68.69	-1.96	-70.65	-13.00	-57.65	ERP
3	282.9852	-69.70	2.96	-66.74	-13.00	-53.74	ERP
4	547.0977	-69.21	6.94	-62.27	-13.00	-49.27	ERP
5	670.4893	-67.59	9.23	-58.36	-13.00	-45.36	ERP
6	989.5355	-68.75	13.90	-54.85	-13.00	-41.85	ERP



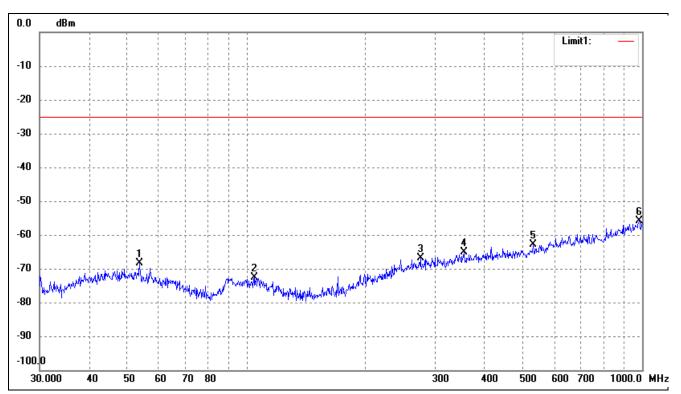
Test Mode	FDD_LTE Band 7	Polarity:	Horizontal	
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No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBm)	dB	(dBm)	(dBm)	(dB)	
1	42.7496	-69.62	-0.38	-70.00	-25.00	-45.00	ERP
2	95.0930	-69.56	-2.59	-72.15	-25.00	-47.15	ERP
3	106.3850	-70.56	-1.71	-72.27	-25.00	-47.27	ERP
4	285.9778	-69.81	3.04	-66.77	-25.00	-41.77	ERP
5	818.8341	-70.42	11.42	-59.00	-25.00	-34.00	ERP
6	989.5355	-69.84	13.90	-55.94	-25.00	-30.94	ERP



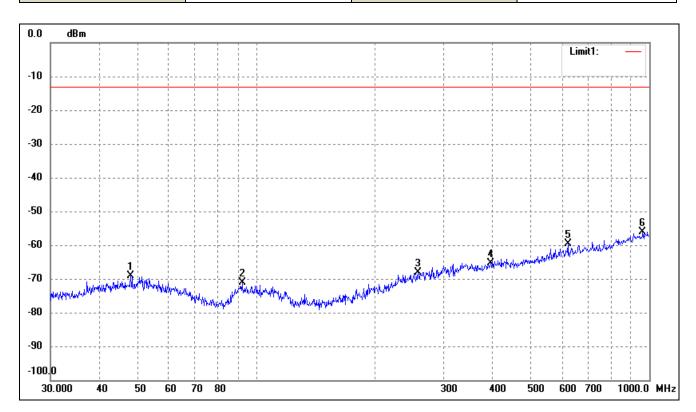
Test Mode	FDD_LTE Band 7	Polarity:	Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBm)	dB	(dBm)	(dBm)	(dB)	
1	53.6932	-68.30	-0.03	-68.33	-25.00	-43.33	ERP
2	104.5361	-70.94	-1.62	-72.56	-25.00	-47.56	ERP
3	275.1570	-69.79	2.83	-66.96	-25.00	-41.96	ERP
4	355.4273	-69.77	4.77	-65.00	-25.00	-40.00	ERP
5	530.1014	-69.75	6.91	-62.84	-25.00	-37.84	ERP
6	982.6200	-69.80	14.03	-55.77	-25.00	-30.77	ERP



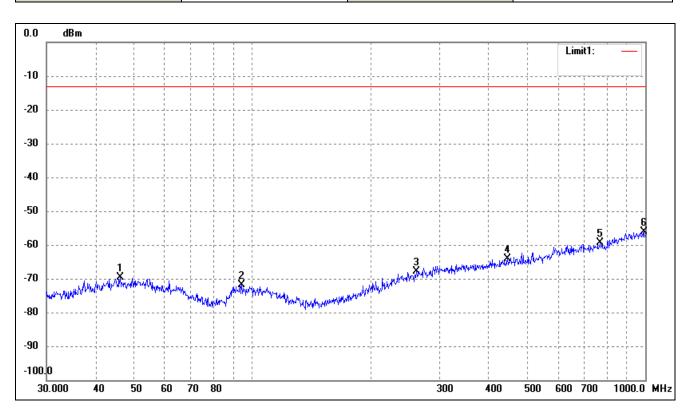
Test Mode	FDD_LTE Band 12	Polarity:	Horizontal
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No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBm)	dB	(dBm)	(dBm)	(dB)	
1	47.9940	-69.29	0.14	-69.15	-13.00	-56.15	ERP
2	92.1388	-69.00	-2.03	-71.03	-13.00	-58.03	ERP
3	258.3264	-70.51	2.37	-68.14	-13.00	-55.14	ERP
4	394.8545	-70.19	4.83	-65.36	-13.00	-52.36	ERP
5	620.7096	-68.38	8.76	-59.62	-13.00	-46.62	ERP
6	962.1623	-69.75	13.64	-56.11	-13.00	-43.11	ERP



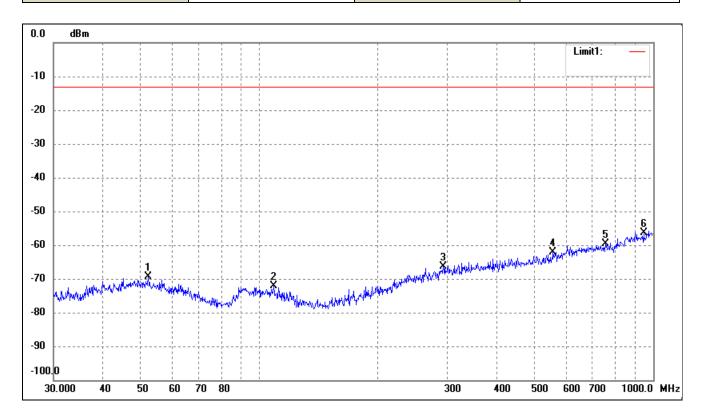
Test Mode	FDD_LTE Band 12	Polarity:	Vertical
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No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBm)	dB	(dBm)	(dBm)	(dB)	
1	46.1780	-69.67	0.00	-69.67	-13.00	-56.67	ERP
2	94.0979	-69.41	-2.42	-71.83	-13.00	-58.83	ERP
3	261.9753	-70.43	2.62	-67.81	-13.00	-54.81	ERP
4	446.4141	-69.64	5.63	-64.01	-13.00	-51.01	ERP
5	768.7482	-69.36	10.08	-59.28	-13.00	-46.28	ERP
6	993.0114	-70.13	13.92	-56.21	-13.00	-43.21	ERP



Test Mode	FDD_LTE Band 13	Polarity:	Horizontal
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No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBm)	dB	(dBm)	(dBm)	(dB)	
1	52.2079	-69.64	0.18	-69.46	-13.00	-56.46	ERP
2	108.6470	-70.26	-1.93	-72.19	-13.00	-59.19	ERP
3	293.0842	-69.82	3.50	-66.32	-13.00	-53.32	ERP
4	556.7744	-69.31	7.20	-62.11	-13.00	-49.11	ERP
5	758.0408	-69.87	10.15	-59.72	-13.00	-46.72	ERP
6	945.4399	-69.57	13.27	-56.30	-13.00	-43.30	ERP



-80

-90

-100.<mark>0</mark> 30.000

40

Model: T520

	Test	Mode			I	FDD	_L'	TE Band 13	Polarity:			Vertical					
0.0	dBm																
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-20											 		: : : :	 			
-30			 	 	 - 						 		! ! ! ! !		 		
-40			 		 						! ! ! ! !		 		 		
-50				 							 		! !		 		6
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No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBm)	dB	(dBm)	(dBm)	(dB)	
1	51.1209	-69.89	0.21	-69.68	-13.00	-56.68	ERP
2	110.5687	-69.62	-2.17	-71.79	-13.00	-58.79	ERP
3	266.6089	-69.93	2.83	-67.10	-13.00	-54.10	ERP
4	428.0193	-69.81	5.69	-64.12	-13.00	-51.12	ERP
5	679.9600	-69.46	9.56	-59.90	-13.00	-46.90	ERP
6	935.5463	-69.23	13.16	-56.07	-13.00	-43.07	ERP

70 80

300

400

500

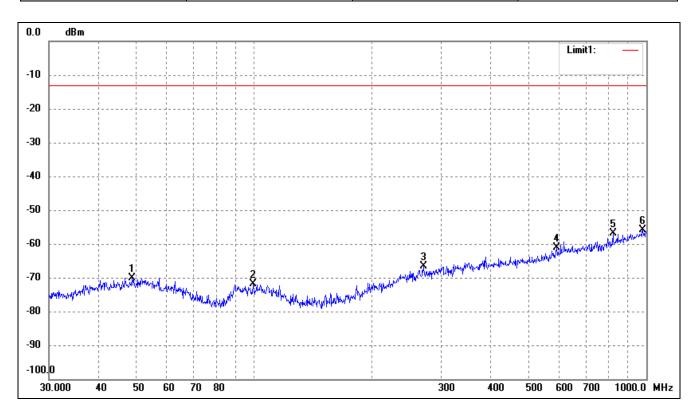
600 700

1000.0 MHz



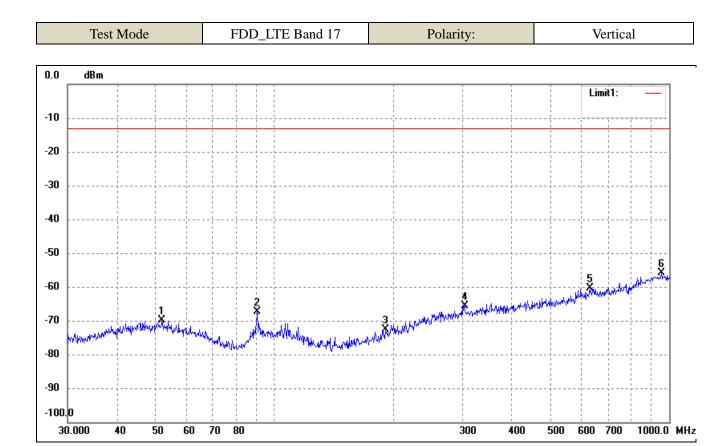






No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBm)	dB	(dBm)	(dBm)	(dB)	
1	48.8429	-70.18	0.17	-70.01	-13.00	-57.01	ERP
2	99.5281	-69.71	-2.06	-71.77	-13.00	-58.77	ERP
3	270.3748	-69.30	2.71	-66.59	-13.00	-53.59	ERP
4	590.9737	-69.60	8.43	-61.17	-13.00	-48.17	ERP
5	821.7104	-68.40	11.45	-56.95	-13.00	-43.95	ERP
6	979.1804	-69.94	14.04	-55.90	-13.00	-42.90	ERP





No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBm)	dB	(dBm)	(dBm)	(dB)	
1	52.0251	-70.20	0.21	-69.99	-13.00	-56.99	ERP
2	90.5374	-65.56	-1.71	-67.27	-13.00	-54.27	ERP
3	191.0738	-70.24	-2.46	-72.70	-13.00	-59.70	ERP
4	303.5437	-69.29	3.58	-65.71	-13.00	-52.71	ERP
5	629.4772	-69.55	9.06	-60.49	-13.00	-47.49	ERP
6	955.4381	-69.39	13.49	-55.90	-13.00	-42.90	ERP

Note: Margin= (Reading+ Correct)- Limit



> Spurious Emissions Above 1GHz

For FDD_LTE Band 2 Mode

Frequency	Reading	Correct	Result	Limit	Margin	Polar					
(MHz)	(dBm)	dB	(dBm)	(dBm)	(dB)	H/V					
	Low Channel (1852.5MHz)										
3705.00	3705.00 -36.76 10.17		-26.59	-13.00	-13.59	Н					
5557.50	-41.89	14.69	-27.20	-13.00	-14.20	Н					
3705.00	-36.18	10.17	-26.01	-13.00	-13.01	V					
5557.50	-43.09	14.69	-28.40	-13.00	-15.40	V					
	Middle Channel (1880.0MHz)										
3760.00	-35.99	10.26	-25.73	-13.00	-12.73	Н					
5640.00	-42.50	14.78	-27.72	-13.00	-14.72	Н					
3760.00	-36.43	10.26	-26.17	-13.00	-13.17	V					
5640.00	-41.53	14.78	-26.75	-13.00	-13.75	V					
		High	Channel (1907.5)	MHz)							
3815.00	-38.31	10.59	-27.72	-13.00	-14.72	Н					
5722.50	-40.42	15.03	-25.39	-13.00	-12.39	Н					
3815.00	-35.18	10.59	-24.59	-13.00	-11.59	V					
5722.50	-43.23	15.03	-28.20	-13.00	-15.20	V					

For FDD_LTE Band 4 Mode

Frequency	Reading	Correct	Result	Limit	Margin	Polar						
(MHz)	(dBm)	dB	(dBm)	(dBm) (dBm) (dB)		H/V						
	Low Channel (1712.5MHz)											
3425.00	-35.54	8.65	-26.89	-13.00	-13.89	Н						
5137.50	-42.30	12.03	-30.27	-13.00	-17.27	Н						
3425.00	-32.70	8.65	-24.05	-13.00	-11.05	V						
5137.50	-41.58	12.03	-29.55	-13.00	-16.55	V						
	Middle Channel (1732.5MHz)											
3465.00	-32.32	8.91	-23.41	-13.00	-10.41	Н						
5197.50	-41.96	12.29	-29.67	-13.00	-16.67	Н						
3465.00	-32.27	8.91	-23.36	-13.00	-10.36	V						
5197.50	-39.85	12.29	-27.56	-13.00	-14.56	V						
		High	Channel (1752.5)	MHz)								
3505.00	-35.47	9.11	-26.36	-13.00	-13.36	Н						
5257.50	-40.55	12.56	-27.99	-13.00	-14.99	Н						
3505.00	-34.03	9.11	-24.92	-13.00	-11.92	V						
5257.50	-41.57	12.56	-29.01	-13.00	-16.01	V						



For FDD_LTE Band 5 Mode

Frequency	Reading	Correct	Result	Limit	Margin	Polar		
(MHz)	(dBm)	dB	(dBm)	(dBm)	(dB)	H/V		
	Low Channel (824.7MHz)							
1649.40	-36.38	4.97	-31.41	-13.00	-18.41	Н		
2474.10	-40.67	8.47	-32.20	-13.00	-19.20	Н		
1649.40	-35.04	4.97	-30.07	-13.00	-17.07	V		
2474.10	-43.99	8.47	-35.52	-13.00	-22.52	V		
		Middl	e Channel (836.5	MHz)				
1673.00	-36.89	5.11	-31.78	-13.00	-18.78	Н		
2509.50	-43.50	8.54	-34.96	-13.00	-21.96	Н		
1673.00	-37.36	5.11	-32.25	-13.00	-19.25	V		
2509.50	-46.02	8.54	-37.48	-13.00	-24.48	V		
	High Channel (848.3MHz)							
1696.60	-34.22	5.25	-28.97	-13.00	-15.97	Н		
2544.90	-42.78	8.57	-34.21	-13.00	-21.21	Н		
1696.60	-35.58	5.25	-30.33	-13.00	-17.33	V		
2544.90	-42.84	8.57	-34.27	-13.00	-21.27	V		

For FDD LTE Band 7 Mode

Frequency	Reading	Correct	Result	Limit	Margin	Polar
(MHz)	(dBm)	dB	(dBm)	(dBm)	(dB)	H/V
		Low	Channel (2502.5)	MHz)		
5005.00	-41.70	11.66	-30.04	-25.00	-5.04	Н
7507.50	-46.86	15.09	-31.77	-25.00	-6.77	Н
5005.00	-40.89	11.66	-29.23	-25.00	-4.23	V
7507.50	-47.98	15.09	-32.89	-25.00	-7.89	V
		Midd	le Channel (2535	MHz)		
5070.00	-41.46	11.78	-29.68	-25.00	-4.68	Н
7605.00	-48.37	15.21	-33.16	-25.00	-8.16	Н
5070.00	-42.05	11.78	-30.27	-25.00	-5.27	V
7605.00	-47.28	15.21	-32.07	-25.00	-7.07	V
		High	Channel (2567.5	MHz)		
5135.00	-41.51	11.89	-29.62	-25.00	-4.62	Н
7702.50	-47.40	15.32	-32.08	-25.00	-7.08	Н
5135.00	-42.10	11.89	-30.21	-25.00	-5.21	V
7702.50	-46.97	15.32	-31.65	-25.00	-6.65	V



For FDD_LTE Band 12 Mode

Frequency	Reading	Correct	Result	Limit	Margin	Polar		
(MHz)	(dBm)	dB	(dBm)	(dBm)	(dB)	H/V		
	Low Channel (669.7MHz)							
1339.40	-38.76	4.01	-34.75	-13.00	-21.75	Н		
2009.10	-43.41	7.32	-36.09	-13.00	-23.09	Н		
1339.40	-36.11	4.01	-32.10	-13.00	-19.10	V		
2009.10	-42.56	7.32	-35.24	-13.00	-22.24	V		
		Middl	e Channel (707.5	MHz)				
1415.00	-35.67	4.11	-31.56	-13.00	-18.56	Н		
2122.50	-41.30	7.54	-33.76	-13.00	-20.76	Н		
1415.00	-38.02	4.11	-33.91	-13.00	-20.91	V		
2122.50	-43.25	7.54	-35.71	-13.00	-22.71	V		
	High Channel (715.3MHz)							
1430.6	-37.14	4.35	-32.79	-13.00	-19.79	Н		
2145.9	-41.42	7.88	-33.54	-13.00	-20.54	Н		
1430.6	-35.32	4.35	-30.97	-13.00	-17.97	V		
2145.9	-43.90	7.88	-36.02	-13.00	-23.02	V		

For FDD LTE Band 13 Mode

Frequency	Reading	Correct	Result	Limit	Margin	Polar
(MHz)	(dBm)	dB	(dBm)	(dBm)	(dB)	H/V
		Low	Channel (779.5N	ИHz)		
1559.00	-36.28	4.52	-31.76	-13.00	-18.76	Н
2338.50	-42.27	7.96	-34.31	-13.00	-21.31	Н
1559.00	-36.01	4.52	-31.49	-13.00	-18.49	V
2338.5	-42.34	7.96	-34.38	-13.00	-21.38	V
		Middl	e Channel (782.0	MHz)		
1564.00	-33.74	4.68	-29.06	-13.00	-16.06	Н
2346.00	-41.74	8.02	-33.72	-13.00	-20.72	Н
1564.00	-34.43	4.68	-29.75	-13.00	-16.75	V
2346.00	-41.65	8.05	-33.60	-13.00	-20.60	V
		High	Channel (784.5N	MHz)		
1569.00	-34.78	4.85	-29.93	-13.00	-16.93	Н
2353.5	-41.49	8.26	-33.23	-13.00	-20.23	Н
1569.00	-35.06	4.85	-30.21	-13.00	-17.21	V
2353.5	-44.53	8.26	-36.27	-13.00	-23.27	V



For FDD_LTE Band 17 Mode

Frequency	Reading	Correct	Result	Limit	Margin	Polar		
(MHz)	(dBm)	dB	(dBm)	(dBm)	(dB)	H/V		
	Low Channel (706.5MHz)							
1413.00	-34.45	4.22	-30.23	-13.00	-17.23	Н		
2119.50	-41.51	7.42	-34.09	-13.00	-21.09	Н		
1413.00	-36.66	4.22	-32.44	-13.00	-19.44	V		
2119.50	-40.49	7.42	-33.07	-13.00	-20.07	V		
	Middle Channel (710.0MHz)							
1420.00	-37.52	4.58	-32.94	-13.00	-19.94	Н		
2130.00	-41.57	7.69	-33.88	-13.00	-20.88	Н		
1420.00	-34.03	4.58	-29.45	-13.00	-16.45	V		
2130.00	-42.90	7.69	-35.21	-13.00	-22.21	V		
	High Channel (713.5MHz)							
1427.00	-35.76	4.69	-31.07	-13.00	-18.07	Н		
2140.50	-42.52	7.87	-34.65	-13.00	-21.65	Н		
1427.00	-37.98	4.69	-33.29	-13.00	-20.29	V		
2140.50	-41.58	7.87	-33.71	-13.00	-20.71	V		

 $Note: Result = Result + Correct, \ Margin = \ Result - Limit$

Note: Testing is carried out with frequency rang 9kHz to the tenth harmonics, other than listed in the table above are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.



9. Frequency Stability

9.1 Standard Applicable

According to §22.355, §24.235, §27.54 the limit is 2.5ppm.

9.2 Test Procedure

According to \$2.1055, the following test procedure was performed.

The Frequency Stability is measured directly with a Frequency Domain Analyzer. Frequency Deviation in ppm is calculated from the measured peak to peak value.

The Carrier Frequency Stability over Power Supply Voltage and over Temperature is measured with a Frequency Domain Analyzer in histogram mode

9.3 Summary of Test Results/Plots

Note: 1.Normal Voltage NV=DC3.8V; Low Voltage LV=DC3.5V; High Voltage HV=DC4.35V

Please refer to Appendix F: Frequency Stability

Test result: Pass

***** END OF REPORT *****