

	    CERTIFICATE 2518.08 MS ISO/IEC 17025 TESTING SAMM NO. 0825																												
MOTOROLA PENANG ADV. COMM. LABORATORY Motorola Solutions Malaysia Sdn Bhd, Plot 2A, Medan Bayan Lepas, Mukim 12 S.W.D, 11900 Bayan Lepas, Penang, Malaysia.	FCC / ISED TEST REPORT Report Revision : Rev.B																												
<table><tr><td>Date/s Tested</td><td>: 10-August-2020 - 27-August-2020</td></tr><tr><td>Manufacturer/Location</td><td>: Motorola Solutions Malaysia Sdn Bhd</td></tr><tr><td>Manufacturer Address</td><td>: Plot 2A, Medan Bayan lepas, Mukim 12, S.W.D. 11900 Bayan Lepas, Penang, Malaysia</td></tr><tr><td>Requestor</td><td>: SIEW KHENG TAN</td></tr><tr><td>Product Type</td><td>: Portable</td></tr><tr><td>Product Version (PMN)</td><td>: P2B</td></tr><tr><td>Model Number (HVIN)</td><td>: AAH90ZDU9RH1AN</td></tr><tr><td>Frequency Band</td><td>: Refer to section 1.4</td></tr><tr><td>Applicant Name</td><td>: Motorola Solutions Inc</td></tr><tr><td>Applicant Address</td><td>: 8000 West Sunrise Boulevard, Fort Lauderdale, Florida 33322.</td></tr><tr><td>FCC Registrations</td><td>: 461337</td></tr><tr><td>ISED Registrations</td><td>: 109AK</td></tr><tr><td>Firmware Version (FVIN)</td><td>: I02.21.01.0029 (BP), D00.00.65 (AP)</td></tr></table>  The equipment was tested accordance to the requirement listed below: <table><tr><td>(LTE Band 14) FCC 47 CFR Part 2 / 90 ISED RSS GEN / 140</td><td>PASS</td></tr></table>		Date/s Tested	: 10-August-2020 - 27-August-2020	Manufacturer/Location	: Motorola Solutions Malaysia Sdn Bhd	Manufacturer Address	: Plot 2A, Medan Bayan lepas, Mukim 12, S.W.D. 11900 Bayan Lepas, Penang, Malaysia	Requestor	: SIEW KHENG TAN	Product Type	: Portable	Product Version (PMN)	: P2B	Model Number (HVIN)	: AAH90ZDU9RH1AN	Frequency Band	: Refer to section 1.4	Applicant Name	: Motorola Solutions Inc	Applicant Address	: 8000 West Sunrise Boulevard, Fort Lauderdale, Florida 33322.	FCC Registrations	: 461337	ISED Registrations	: 109AK	Firmware Version (FVIN)	: I02.21.01.0029 (BP), D00.00.65 (AP)	(LTE Band 14) FCC 47 CFR Part 2 / 90 ISED RSS GEN / 140	PASS
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Prepared By:  Lim Khay Kwang Technician	Approve Signatory:  Ho Sze Khian Technical Manager																												

Table of Contents

1.0. Summary of Test Results	3
1.1. Measurement Uncertainty	3
1.2. Equipment List.....	3
1.3. General Information.....	4
1.4. Channel number and frequency info.....	5
1.5. Test Mode Applicability and Tested Channel Detail.....	6
1.6. Conducted RF Output Power	8
1.6.1. Test Setup.....	8
1.6.2. Test Limits	8
1.6.3. Conducted RF Output Power – LTE Band 14 (788-798MHz).....	8
1.6.4. Effective Radiated Power (ERP) - LTE Band 14 (788-798MHz)	9
1.7. Peak-to-Average Power Ratio.....	10
1.7.1. Test Setup.....	10
1.7.2. Test Limit.....	10
1.7.3. Peak To Average Power Ratio – LTE Band 14 (788-798MHz).....	10
1.8. Occupied Bandwidth.....	12
1.8.1. Test Setup.....	12
1.8.2. Test Limit.....	12
1.8.3. Occupied Bandwidth - LTE Band 14 (788-798MHz)	13
1.9. Frequency Stability	17
1.9.1. Test Setup.....	17
1.9.2. Test Limit.....	17
1.9.3. Frequency Stability - LTE Band 14 (788-798MHz).....	17
1.10. Band Edge/Emission Mask Conducted Spurious Emission.....	19
1.10.1. Test Setup.....	19
1.10.2. Test Limit.....	19
1.10.3. Band Edge/Emission Mask Conducted Spurious Emission - LTE Band 14 (788-798MHz)	20
1.11. Conducted Spurious Emission	32
1.11.1. Test Setup.....	32
1.11.2. Test Limit.....	32
1.11.3. Conducted Spurious Emission - LTE Band 14 (788-798MHz).....	33
1.12. Radiated Spurious Emission	37
1.12.1. Test Setup.....	37
1.12.2. Test Limit.....	38
1.12.3. Radiated Spurious Emission – LTE Band 14 (788-798MHz)	39
1.13. Effective Radiated Power (ERP)	48
1.13.1. Test Setup.....	48
1.13.2. Test Limit.....	48
1.13.3. Effective Radiated Power (ERP) - LTE Band 14 (788-798MHz)	48
1.14. GNSS (EIRP for 1559 - 1610MHz).....	49
1.14.1. Test Setup.....	49
1.14.2. Test Limit.....	50
1.14.3. GNSS (EIRP for 1599 – 1610MHz) - LTE Band 14 (788-798MHz).....	50

REVISION HISTORY

Revision History	Description	Date	Originator
Rev A	Initial Report	9-September-2020	Lim Khay Kwang
Rev B	Update 1.3. General Information Table	11-November-2020	Lim Khay Kwang

1.0. Summary of Test Results

FCC Clause	ISED Clause	Test Item	Result	Remark	Serial Number Tested
2.1046	RSS-140 3.1	Conducted RF Output Power	Pass	Meet the requirement of limit.	734TWP0386
2.1046	RSS 140 4.3	Peak-to-Average Power Ratio	Pass	Meet the requirement of limit.	734TWP0386
2.1049 90.209(7)	RSS-Gen 6.7	Occupied Bandwidth (26dBc, 99%)	Pass	Meet the requirement of limit.	734TWP0386
2.1055 90.213	RSS-140 4.2	Frequency Stability	Pass	Meet the requirement of limit.	734TWP0386
2.1051 90.691	RSS-Gen 6.13 RSS-140 4.4	Band Edge Conducted Spurious Emission	Pass	Meet the requirement of limit.	734TWP0386
2.1051	RSS-Gen 6.13 RSS-140 4.4	Conducted Spurious Emissions	Pass	Meet the requirement of limit.	734TWP0386
2.1051	RSS-140 4.4	Radiated Spurious Emission	Not Performed.	Not Performed.	734TWP0308
90.635(b)	RSS-140 4.3	Effective Radiated Power (ERP)	Not Performed.	Not Performed.	Not Performed
90.543(f)	RSS – 140 4.4(b)	GNSS (EIRP for 1599 – 1610MHz)	Pass	Meet the requirement of limit	734TWP0308

1.1. Measurement Uncertainty

Measurement	Frequency	Expended Uncertainty (k=1.96) (±dB)
Radiated Emissions up to 1 GHz	30MHz ~ 200MHz	5.01
	200MHz ~ 1000MHz	5.01
Radiated Emissions above 1 GHz	1GHz ~ 18GHz	5.01
	18GHz ~ 25GHz	5.01

1.2. Equipment List

Description	Model	Serial Number	Calibration Date	Calibration Due Date
Broadband ATE 1 (RF Conducted Tests); Test Software Version: CMWRun v1.8.9				
SIGNAL ANALYZER	FSV40	101431	16-Jul-19	16-Jul-21
CHAMBER	SH-641	92003150	25-Sep-19	25-Sep-20

WIDEBAND RADIO COMMUNICATION TESTER	CMW500	154550	23-Jul-19	23-Jul-21
POWER SUPPLY	6652A	3117A00162	16-Mar-20	16-Mar-21
Radiated Spurious Emission (EMC Chamber 1); Test Software Version: EMC_FCC_RE_v1.6.2				
DRG HORN FREQ.	SAS-571	720	21-Mar-19	21-Mar-21
DRG HORN FREQ.	SAS-571	1143	14-Feb-19	14-Feb-21
POWER SUPPLY	6032A	2615A01178	21-MAY-20	21-MAY-21
SIGNAL GENERATOR	SMB 100A	181117	8-Nov-18	8-Nov-21
EMI TEST RECEIVER	ESW44	101750	24-Jul-19	24-Sep-20
EMI TEST RECEIVER	ESIB26	100017	19-Jul-19	19-Sep-20
5m Semi-anechoic Chamber	S800-HX	J2308	Not Required	Not Required
BILOG ANTENNA	CBL6112B	2964	23-Apr-19	23-Apr-21
BILOG ANTENNA	CBL6112B	2950	8-Jul-19	8-Jul-21
DATA LOGGER	SDL500	A.016776	4-Jun-20	4-Jun-21
SYSTEM CONTROLLER	SC104V	050806-1	Not Required	Not Required
TURNTABLE FLUSH MOUNT 2M	FM2011	NA	Not Required	Not Required
ANTENNA POSITIONING TOWER	TLT2	NA	Not Required	Not Required
BROAD-BAND HORN ANTENNA	BBHA9170	BBHA9170255	27-Jan-20	27-Jan-21
18 - 40GHz PREAMPLIFIER	Miteq Hi Gain Sucoflex	001	Not Required	Not Required
PREAMPLIFIER	PAM-0118	269	24-May-19	24-May-22
LOOP ANTENNA	6502	00208416	5-Sep-19	5-Sep-20

1.3. General Information

General Description of EUT

Product	MACKENZIE UHF NAG MODEL			
Brand	Motorola Solutions			
Test Model	AAH90ZDU9RH1AN			
Power Supply Rating	7.5Vdc			
Mode of operation	LTE Band 14			
Modulation Type	QPSK, 16QAM			
Operating Frequency	LTE Band 14	Channel Bandwidth 5MHz	790.5MHz~795.5MHz	
		Channel Bandwidth 10MHz	793.0MHz	
Max. ERP Power	LTE Band 14 QPSK	Channel Bandwidth 5MHz	22.764dBm (0.1890W)	
		Channel Bandwidth 10MHz	22.674dBm (0.1851W)	
	LTE Band 14 16QAM	Channel Bandwidth 5MHz	21.887dBm (0.1544W)	
		Channel Bandwidth 10MHz	21.815dBm (0.1519W)	
Emission Designator	LTE Band 14		QPSK	16QAM
		Channel Bandwidth 5MHz	4M47G7D	4M48D7W
		Channel Bandwidth 10MHz	8M91G7D	8M93D7W
Antenna Type	LTE Band 14	LTE LOW BAND MAIN ANTENNA (1.15dBi)		
SW Version	I02.21.01.0029 (BP), D00.00.65 (AP)			
HW Version	P2B			

Note:

1. The EUT contains following accessory devices and data cable.

Item	Brand	Model or P/N	Specification
Li-Ion	MOTOROLA	PMNN4804A	BATTERY PACK,BATTERY PACK,IMPRES GEN2, LIION,IP68, 2820T

Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units.

The following support units or accessories were used to form a representative test configuration during the tests.

NO.	Product	Brand	Model No.	Serial No.	FCC ID
1	Wideband Radio Communication Tester	R&S	CMW500	154550	NA

NO.	Signal Cable Description of The above Support Units
1	NA

Note:

1. All power cords of the above support units are non-shielded.
2. Item 1 acted as a communication partner to transfer data.

EUT Operating Conditions

The EUT makes a call to the communication simulator. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency.

General Description of Applied Standards

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

FCC 47 CFR Part 2

FCC 47 CFR Part 90

KDB 971168 D01 Power Meas License Digital Systems v03r01

ANSI C63.26

NOTE: All test items have been performed and recorded as per the above standards.

1.4. Channel number and frequency info

Band	Bandwidth supported	Available Channel Number	Test Channel Number			Test Channel Frequency (MHz)		
			Low Channel	Mid Channel	High Channel	Low Channel	Mid Channel	High Channel
LTE Band 14	5 MHz	23305 ~ 23355	23305	23330	23355	790.5	793.0	795.5
	10 MHz	23330	-	23330	-	-	793.0	-

1.5. Test Mode Applicability and Tested Channel Detail

LTE Band 14

Test Item	Available Channel	Tested Channel	Channel Bandwidth	Uplink Modulation	Mode
Conducted RF Output Power	23305~ 23355	23305, 23330, 23355	5 MHz	QPSK, 16QAM	As per table 1.6.3
	23330	23330	10 MHz		
Peak to Average Power Ratio	23305~ 23355	23305, 23330, 23355	5 MHz	QPSK, 16QAM	25 RB / 0 RB Offset
	23330	23330	10 MHz		50 RB / 0 RB Offset
Occupied Bandwidth	23305~ 23355	23305, 23330, 23355	5 MHz	QPSK, 16QAM	25 RB / 0 RB Offset
	23330	23330	10 MHz		50 RB / 0 RB Offset
Frequency Stability	23305~ 23355	23305, 23355	5 MHz	QPSK	25 RB / 0 RB Offset
	23330	23330	10 MHz		50 RB / 0 RB Offset
Band Edge Conducted Spurious Emission	23305~ 23355	23305, 23355	5 MHz	QPSK, 16QAM	1 RB / 0 RB Offset 1 RB / 24 RB Offset 25 RB / 0 RB Offset
	23330	23330	10 MHz		1 RB / 0 RB Offset 1 RB / 49 RB Offset 50 RB / 0 RB Offset
Conducted Spurious Emission	23305~ 23355	23305, 23330, 23355	5 MHz	QPSK	1 RB / 13 RB Offset
	23330	23330	10 MHz		1 RB / 49 RB Offset
Radiated Spurious Emission	23305~ 23355	23305	5 MHz	QPSK	1 RB / 24 RB Offset
		23330			1 RB / 24 RB Offset
		23355			1 RB / 13 RB Offset
GNSS (EIRP for 1599 – 1610MHz)	23305~ 23355	23305	5 MHz	QPSK	1 RB / 24 RB Offset
		23330			1 RB / 24 RB Offset
		23355			1 RB / 13 RB Offset
Effective Radiated Power (ERP)	23305~ 23355	23305, 23330, 23355	5 MHz	QPSK, 16QAM	As per table 1.6.4
	23330	23330	10 MHz		

NOTE:

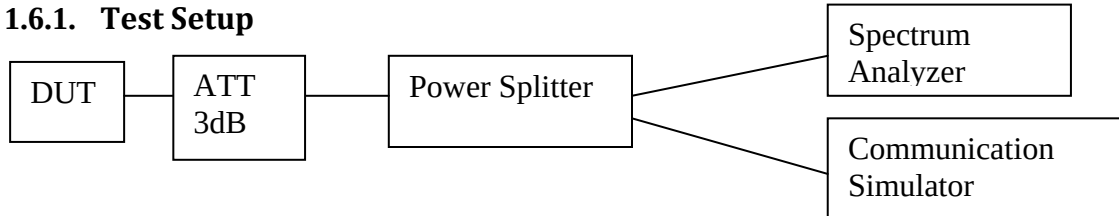
1. The Conducted RF Output Power for QPSK and 16QAM, measured value of QPSK mode is higher than 16QAM mode. Therefore, only Conducted Spurious Emission, Radiated Emission and GNSS (EIRP for 1599 – 1610MHz) had been tested under QPSK modes.
2. Band Edge was performed with 1 and full Resource Block at the lowest and highest operating frequency band.
3. The Equivalent Isotropically Radiated Power (EIRP) was calculated from Conducted RF Output Power results in QPSK and 16QAM modulation.
4. Peak to Average and Occupied Bandwidth were performed with full Resource Block which is the worst case.
5. Frequency stability was performed with full Resource Block in QPSK modulation.

Test Condition:

Test Item	Environmental Conditions	Input Power	Tested By
Conducted RF Output Power	25°C, 50% RH	7.5V DC	Khay Kwang
Peak-to-Average Power Ratio	25°C, 50% RH	7.5V DC	Khay Kwang
Occupied Bandwidth	25°C, 50% RH	7.5V DC	Khay Kwang
Frequency Stability	25°C, 50% RH	7.5V DC	Khay Kwang
Band Edge Conducted Spurious Emission	25°C, 50% RH	7.5V DC	Khay Kwang
Conducted Spurious Emission	25°C, 50% RH	7.5V DC	Khay Kwang
Radiated Spurious Emission	25°C, 63.7% RH	7.5V DC	Nazrin&Fendi
Effective Radiated Power (ERP)	25°C, 63.7% RH	7.5V DC	Khay Kwang

1.6. Conducted RF Output Power

1.6.1. Test Setup



1. The DUT transmitter output port was connected to communication simulator with above setup.
2. Path loss for the measurement included.
3. Set DUT to transmit maximum power through communication simulator
4. All the measurement were done at low, mid, high channel for each band and different modulation.
5. Record the average power into the test report.

1.6.2. Test Limits

FCC: Portable stations (hand-held devices) transmitting in the 758-768 MHz band and the 788-798 MHz band are limited to 3 watts ERP.

1.6.3. Conducted RF Output Power – LTE Band 14 (788-798MHz)

Conducted Output Power (dBm)								
LTE Band/BW	RB Size	RB Offset	QPSK Modulation			16QAM Modulation		
			Low CH	Mid CH	High CH	Low CH	Mid CH	High CH
			23305	23330	23355	23305	23330	23355
			790.5MHz	793.0MHz	795.5 MHz	790.5 MHz	793.0MHz	795.5 MHz
Band 14 / 5MHz	1	0	23.482	23.572	23.673	22.774	22.721	22.723
	1	13	23.597	23.706	23.764	22.887	22.813	22.794
	1	24	23.635	23.717	23.725	22.88	22.852	22.756
	12	0	22.539	22.697	22.749	21.621	21.672	21.791
	12	6	22.536	22.709	22.755	21.611	21.693	21.804
	12	13	22.651	22.68	22.78	21.678	21.666	21.855
	25	0	22.545	22.695	22.74	21.61	21.772	21.797

Conducted Output Power (dBm)								
LTE Band/BW	RB Size	RB Offset	QPSK Modulation			16QAM Modulation		
			Low CH	Mid CH	High CH	Low CH	Mid CH	High CH
				23330			23330	
				793.0MHz			793.0MHz	
Band 14 / 10MHz	1	0		23.488			22.638	
	1	25		23.64			22.779	
	1	49		23.674			22.815	
	25	0		22.731			21.86	
	25	13		22.736			21.862	
	25	25		22.692			21.823	
	50	0		22.719			21.746	

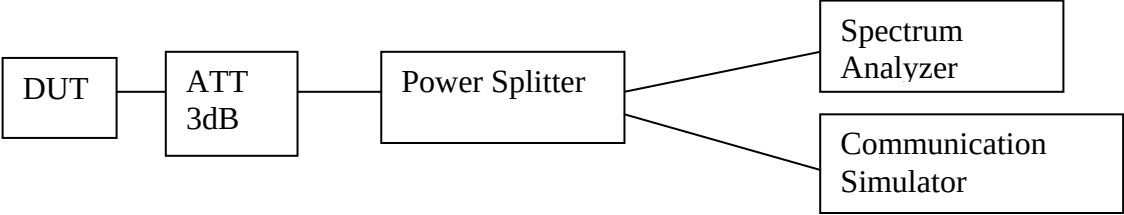
1.6.4. Effective Radiated Power (ERP) - LTE Band 14 (788-798MHz)

Effective Radiated Power (dBm)								
LTE Band/BW	RB Size	RB Offset	QPSK Modulation			16QAM Modulation		
			Low CH	Mid CH	High CH	Low CH	Mid CH	High CH
			23305	23330	23355	23305	23330	23355
			790.5MHz	793.0MHz	795.5 MHz	790.5 MHz	793.0MHz	795.5 MHz
Band 14 / 5MHz	1	0	22.482	22.572	22.673	21.774	21.721	21.723
	1	13	22.597	22.706	22.764	21.887	21.813	21.794
	1	24	22.635	22.717	22.725	21.88	21.852	21.756
	12	0	21.539	21.697	21.749	20.621	20.672	20.791
	12	6	21.536	21.709	21.755	20.611	20.693	20.804
	12	13	21.651	21.68	21.78	20.678	20.666	20.855
	25	0	21.545	21.695	21.74	20.61	20.772	20.797

Effective Radiated Power (dBm)								
LTE Band/BW	RB Size	RB Offset	QPSK Modulation			16QAM Modulation		
			Low CH	Mid CH	High CH	Low CH	Mid CH	High CH
				23330			23330	
				793.0MHz			793.0MHz	
Band 14 / 10MHz	1	0		22.488			21.638	
	1	25		22.64			21.779	
	1	49		22.674			21.815	
	25	0		21.731			20.86	
	25	13		21.736			20.862	
	25	25		21.692			20.823	
	50	0		21.719			20.746	

1.7. Peak-to-Average Power Ratio

1.7.1. Test Setup



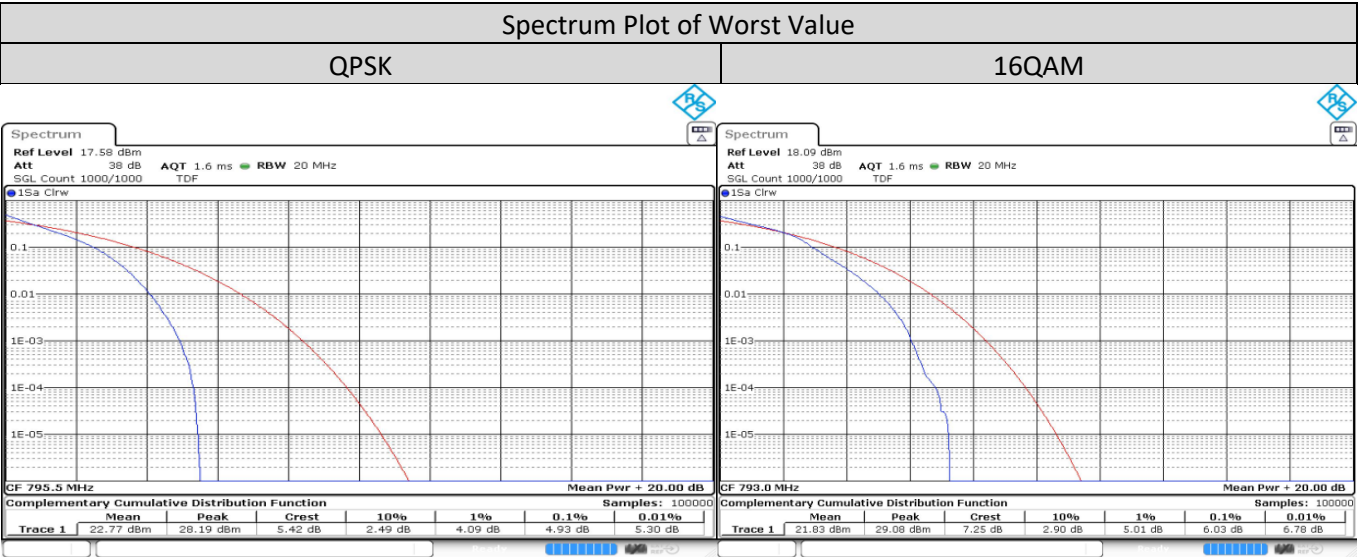
- 1) The DUT transmitter output port was connected to communication simulator with above setup.
- 2) Path loss for the measurement included.
- 3) Set DUT to transmit maximum power through communication simulator
- 4) Set the CCDF (Complementary Cumulative Distribution Function) option in the spectrum analyzer.
- 5) Spectrum Analyzer setting, RBW = 20MHz.
- 6) Recorded the maximum PAR level associated with a probability of 0.1% as Peak to Average Ratio.
- 7) All the measurements were done at low, mid, high channel for each band and different modulation.

1.7.2. Test Limit

The peak-to-average ratio (PAR) of the transmission may not exceed 13 dB

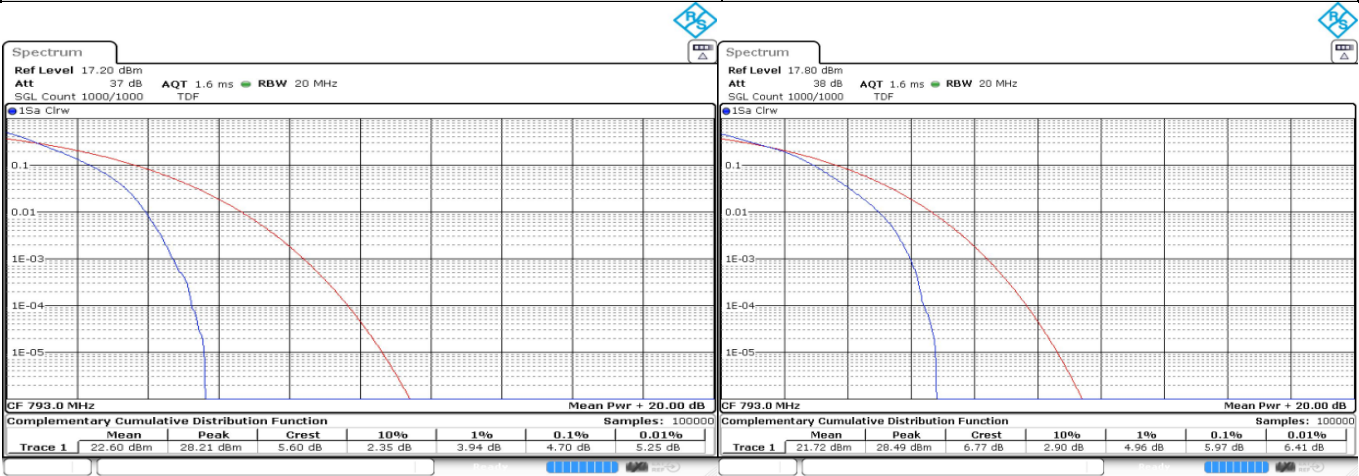
1.7.3. Peak To Average Power Ratio - LTE Band 14 (788-798MHz)

LTE Band/ BW/ RB Size/ RB Offset	Channel Number	Tx Frequency (MHz)	Peak To Average (dB)	
			QPSK Modulation	16QAM Modulation
Band 14 / 5MHz/25/0	Low CH 23305	790.5 MHz	4.812	6
	Mid CH 23330	793 MHz	4.899	6.029
	High CH 23355	795.5 MHz	4.928	6



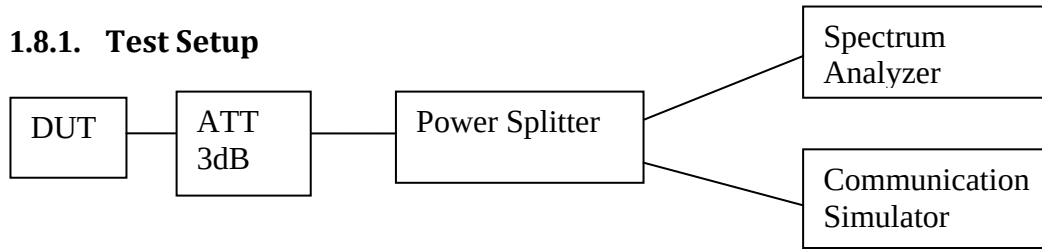
LTE Band/ BW/ RB Size/ RB Offset	Channel Number	Tx Frequency (MHz)	Peak To Average (dB)	
			QPSK Modulation	16QAM Modulation
Band 14 / 10 MHz/50/0	Low CH			
	Mid CH 23330	793 MHz	4.696	5.971
	High CH			

Spectrum Plot of Worst Value	
QPSK	16QAM



1.8. Occupied Bandwidth

1.8.1. Test Setup



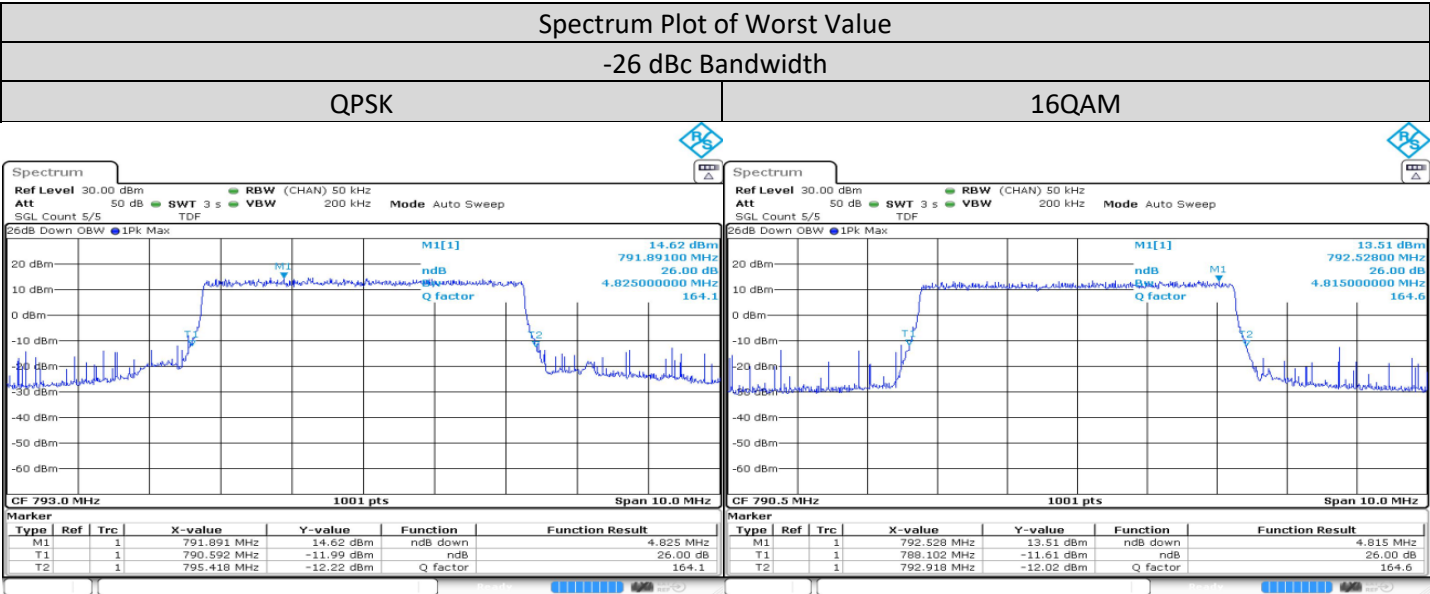
- 1) The DUT transmitter output port was connected to communication simulator with above setup.
- 2) Path loss for the measurement included.
- 3) For LTE measurement, set DUT to transmit maximum power & full RB size through communication simulator.
- 4) For LTE measurement, set DUT to transmit maximum power through communication simulator.
- 5) Spectrum Analyzer setting, RBW is 1% of OBW and VBW is 3 times of RBW.
- 6) Measure & record -26dBc and 99% occupied bandwidth (BW).
- 7) All the measurement was done at low, mid, high channel for each band and different modulation.

1.8.2. Test Limit

For measurement 99% of occupied bandwidth that is required by FCC 2.1049.

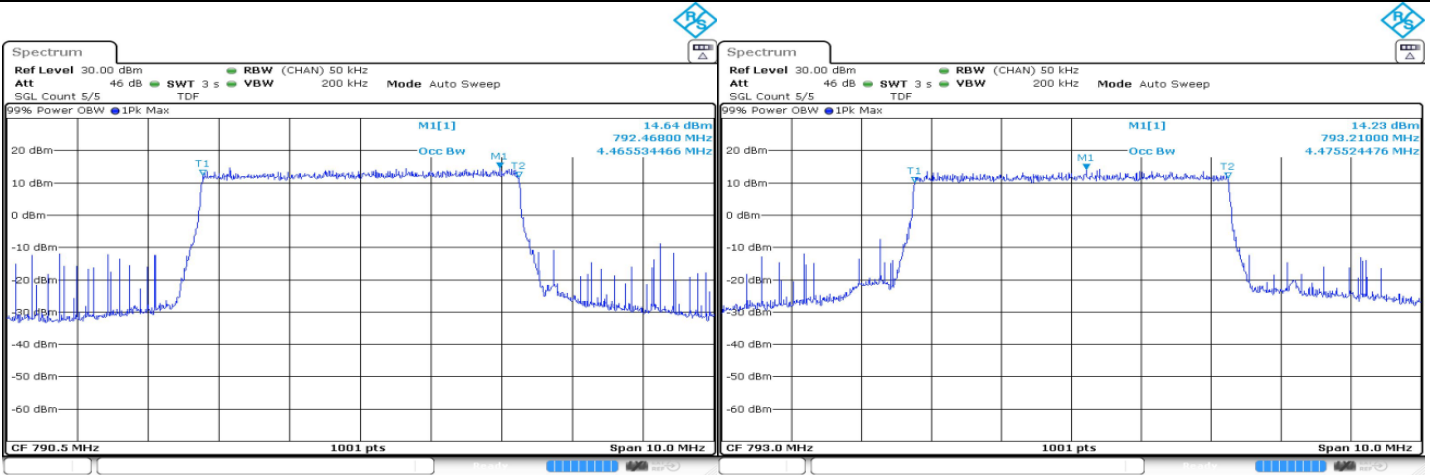
1.8.3. Occupied Bandwidth - LTE Band 14 (788-798MHz)

LTE Band/ BW/ RB Size/ RB Offset	Channel Number	Tx Frequency (MHz)	-26 dBc Bandwidth (MHz)	
			QPSK Modulation	16QAM Modulation
Band 14 / 5MHz/25/0	Low CH 23305	790.5 MHz	4.805	4.815
	Mid CH 23330	793 MHz	4.825	4.805
	High CH 23355	795.5 MHz	4.815	4.775



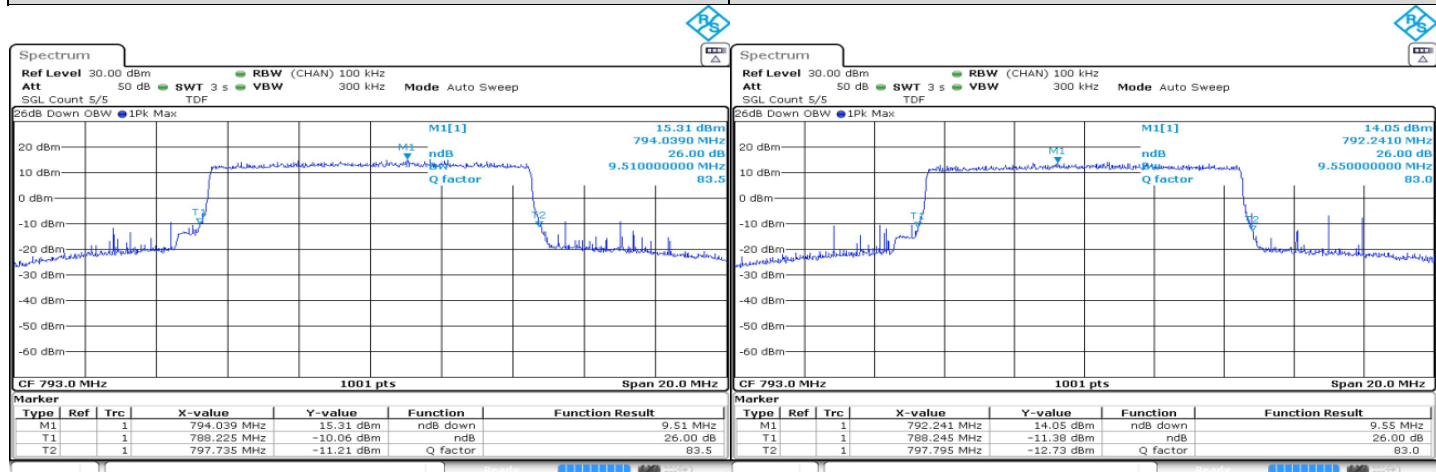
LTE Band/ BW	Channel Number	Tx Frequency (MHz)	99% Occupied Bandwidth (MHz)	
			QPSK Modulation	16QAM Modulation
Band 14 / 5MHz/25/0	Low CH 23305	790.5 MHz	4.466	4.466
	Mid CH 23330	793 MHz	4.456	4.476
	High CH 23355	795.5 MHz	4.466	4.456

Spectrum Plot of Worst Value	
99% Occupied Bandwidth	
QPSK	16QAM



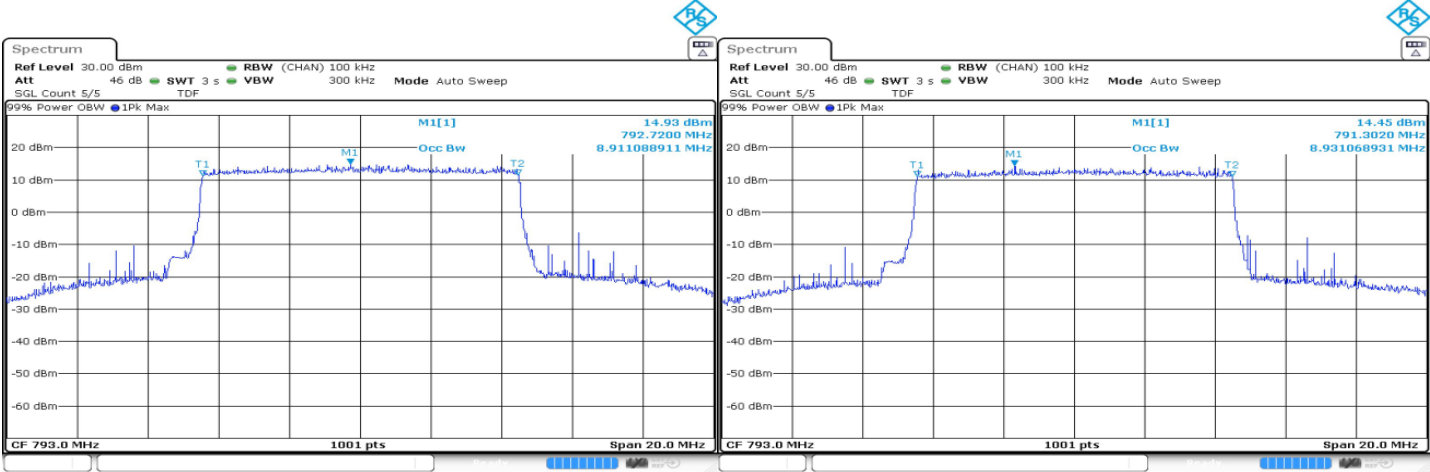
LTE Band/ BW/ RB Size/ RB Offset	Channel Number	Tx Frequency (MHz)	-26 dBc Bandwidth (MHz)	
			QPSK Modulation	16QAM Modulation
Band 14 / 10MHz/50/0	Low CH			
	Mid CH 23330	793 MHz	9.51	9.55
	High CH			

Spectrum Plot of Worst Value	
-26 dBc Bandwidth	
QPSK	16QAM



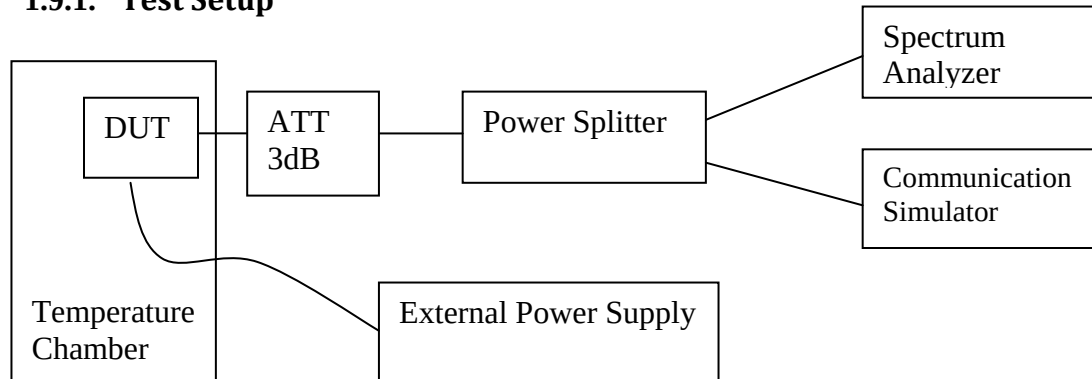
LTE Band/ BW	Channel Number	Tx Frequency (MHz)	99% Occupied Bandwidth (MHz)	
			QPSK Modulation	16QAM Modulation
Band 14 / 10MHz/50/0	Low CH			
	Mid CH 23330	793 MHz	8.911	8.931
	High CH			

Spectrum Plot of Worst Value	
99% Occupied Bandwidth	
QPSK	16QAM



1.9. Frequency Stability

1.9.1. Test Setup



- 1) The DUT is placed in the temperature chamber and DUT is power up by external power supply to control the DC input voltage.
- 2) The temperature chamber could control the temperature and humidity and external power supply could control the test voltage range from minimum to maximum operating voltage.
- 3) Measured frequency error from the communication simulator by vary below step :
 - i. Vary temperature of the temperature chamber from -30 ~ 50 deg C (10 deg C / Step) and set external supply voltage constant at nominal voltage.
 - ii. Vary external supply voltage from minimum to maximum operation voltage support by DUT and set temperature chamber constant at room temp.
- 4) All the measurement was done at mid channel for each band.

1.9.2. Test Limit

As per manufacturer declared product operating at -20 to 60 deg C with spec of +/- 0.1ppm.

1.9.3. Frequency Stability - LTE Band 14 (788-798MHz)

Band	Temp (Deg C)	Frequency Error VS Temperature			
		Channel Bandwidth: 5 MHz			
		Low Channel		High Channel	
		790.5MHz		795.5MHz	
LTE Band 14		Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
	60	790.500006	0.008071	795.500011	0.013235
	50	790.499995	-0.006678	795.500008	0.009585
	40	790.500009	0.011129	795.500007	0.009315
	30	790.500004	0.004759	795.500001	0.01203
	20	790.500007	0.008614	795.500001	0.012462
	10	790.500005	0.006768	795.500007	0.009333
	0	790.500008	0.009682	795.500006	0.007661
	-10	790.500007	0.009193	795.500006	0.007804
	-20	790.500006	0.00798	795.500011	0.014278

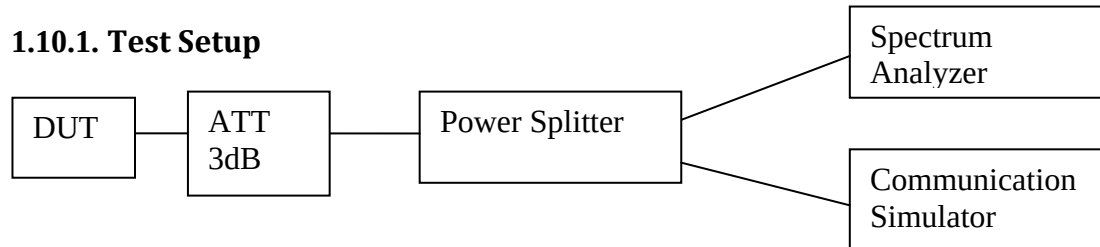
Band	Voltage (V)	Frequency Error VS Voltage			
		Channel Bandwidth: 5 MHz			
		Low Channel		High Channel	
		790.5MHz		795.5MHz	
LTE Band 14		Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
	9V	790.499994	-0.00713	795.50001	0.012462
	7.5V	790.500008	0.009844	795.500008	0.01025
	6V	790.500005	0.006641	795.500008	0.01034

Band	Temp (Deg C)	Frequency Error VS Temperature	
		Channel Bandwidth: 10 MHz	
		Mid Channel	
		793MHz	
LTE Band 14		Frequency (MHz)	Frequency Error (ppm)
	60	792.999992	-0.010409
	50	792.999992	-0.009759
	40	792.999992	-0.009705
	30	792.999991	-0.01104
	20	792.999992	-0.009489
	10	792.999993	-0.008623
	0	792.999993	-0.009398
	-10	792.999994	-0.007685
	-20	792.999993	-0.009272

Band	Voltage (V)	Frequency Error VS Voltage	
		Channel Bandwidth: 10 MHz	
		Mid Channel	
		793MHz	
LTE Band 14		Frequency (MHz)	Frequency Error (ppm)
	9V	792.999993	-0.008623
	7.5V	792.999992	-0.010336
	6V	792.999994	-0.008136

1.10. Band Edge/Emission Mask Conducted Spurious Emission

1.10.1. Test Setup



- 1) The DUT transmitter output port was connected to communication simulator with above setup.
- 2) Path loss for the measurement included.
- 3) Set DUT to transmit maximum power through communication simulator.
- 4) The band edges of lowest and highest channels with the highest RF powers were measured.
- 5) The center frequency of spectrum is the band edge frequency, RBW is 1~3% of OBW and VBW is 3 times of RBW.
- 6) Record the maximum trace plot into the test report.

1.10.2. Test Limit

(b) *Emission Mask B.* For transmitters that are equipped with an audio low-pass filter, the power of any emission must be attenuated below the unmodulated carrier power (P) as follows:

- (1) On any frequency removed from the assigned frequency by more than 50 percent, but not more than 100 percent of the authorized bandwidth: At least 25 dB.
- (2) On any frequency removed from the assigned frequency by more than 100 percent, but not more than 250 percent of the authorized bandwidth: At least 35 dB.
- (3) On any frequency removed from the assigned frequency by more than 250 percent of the authorized bandwidth: At least $43 + 10 \log (P)$ dB.

1.10.3. Band Edge/Emission Mask Conducted Spurious Emission - LTE Band 14 (788-798MHz)

Emission Mask Conducted Spurious Emission

