

ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT



FCC Applicant:	ASUSTeK COMPUTER INC.
FCC Manufacturer:	1F., No. 15, Lide Rd., Beitou Dist., Taipei City 112, Taiwan ASUSTeK COMPUTER INC. 1F., No. 15, Lide Rd., Beitou Dist., Taipei City 112, Taiwan
Product Name:	ASUS Phone (Mobile Phone)
Brand Name:	ASUS
Model No.:	ASUSAI2501E
Family Model No.:	ASUSAI2501D
Model Difference:	Refer to section1.2
Report Number:	TERF2407002103ER
FCC ID	MSQAI2501
Date of EUT Received:	July 01, 2024
Date of Test:	July 17, 2024 ~ November 14, 2024
Issue Date:	November 15, 2024

Marcus Tseng

Approved By

Marcus Tseng

We hereby certify that:

The above equipment was tested by SGS Taiwan Ltd. Central RF Lab The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI ANSI C63.26-2015 and the energy emitted by the sample EUT comply with FCC rule part 2, 22H & 24E & 27 C.

The results of this report relate only to the sample identified in this report.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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Revision History									
Report Number	Revision	Description	Issue Date	Revised By	Remark				
TERF2407002103ER	00	Original	November 15, 2024	Yuri Tsai					

Note:

- 1 . The remark "*" indicates modification of the report upon requests from certification body.
- 2 Variant information of model numbers is provided by the applicant, test results of this report are applicable to the sample EUT(s) received. And are assessed as electrically identical in RF characteristics, therefore, no further assessment required for the variant(s).

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GENERAL PRODUCT INFORMATION 1

1.1 **Product Description**

Product Name:	ASUS Phone(Mobile Phone)
Brand Name:	ASUS
Model No.:	ASUSAI2501E
Family Model No.:	ASUSAI2501D
Hardware Version:	R2.0C
Firmware Version:	35.1400.1400.10
EUT Series No.:	S7AIOCN13288C89 & S7AIOCN13359SCN
Family Model No.:	ASUSAI2501D
Power Supply:	7.8 Vdc from Battery
Test Software (Name/Version)	Default(connection with call box)

1.2 **Model Difference**

Model Name	ASUSAI2501D	ASUSAI2501E				
3rd Camera	5MP Macro	32 MP Tele				
LED Light	mini LED (85 pcs)	mini LED (648 pcs)				
Memory	12/256, 12/512, 16/512	16/512, 24/1TB				
Side USB port	Y					
Air trigger	Y					
Power	5800mAh, 65W					
Refresh Rate	185Hz					

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Operation Frequency Range 1.3

Intra-Band

L	TE Band 2C								
BW (MHz)	Operation Frequen	су							
	(MHz)								
25	1862.5 - 1897	.5							
30	1865.0 - 1895	.0							
35	1867.5 - 1892	.5							
40	1870.0 - 1890	.0							
L	TE Band 5B								
BW (MHz) Operation Frequency									
	(MHz)								
15	831.5 - 841.	5							
20	834.0 - 839.	0							
LTE Band 7C									
BW (MHz)	Operation Frequency								
	(MHz)								
30	2515.0 - 2555	.0							
35	2517.5 - 2552	.5							
40	2520.0 - 2550	.0							
L	TE Band 12B								
	Operation Frequen	су							
BW (MHz)	(MHz)								
10	704.0 - 711.	.0							
15	706.5 - 708.	5							
L	TE Band 38C								
BW (MHz)	Operation Frequency (MHz)								
30	2585.0 - 2605	.0							
40	2590.0 - 2600								
		. •							

L	TE Band 41C					
BW (MHz)	Operation Frequency					
	(MHz)					
25	2508.5 - 2677.5					
30	2511.0 - 2675.0					
35	2513.5 - 2672.5					
40	2516.0 - 2670.0					
L	TE Band 42C					
BW (MHz)	Operation Frequency					
	(MHz)					
25	3562.5 - 3587.5					
30	3565.0 - 3585.0					
35	3567.5 - 3582.5					
40	3570.0 - 3580.0					
L	TE Band 66C					
BW (MHz)	Operation Frequency					
	(MHz)					
25	1722.5 - 1767.5					
30	1725.0 - 1765.0					
35	2727.5 - 1762.5					
40	1730.0 - 1760.0					
LTE Band 66B						
BW (MHz)	Operation Frequency					
	(MHz)					
10	1715.0 - 1775.0					
15	1717.5 - 1772.5					
20	1720.0 - 1770.0					

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Antenna Designation 1.4

Antenna Type	Antenna Model No.				
	Ant0				
	Ant1				
	Ant2				
PIFA	Ant7				
	Ant8				
	Ant9				
Note: Transmission frequencies in this test report are only available by the above antenna(s).					

Bands	Frequency	Peak Antenna Gain (dBi)						
	(MHz)	Ant0	Ant1	Ant2	Ant7	Ant8	Ant9	
2	1850 ~ 1910		-0.2	-1.9	-5.1			
5	824 ~ 849	-2.4		-3.3				
7	2500 ~ 2570		-2.5	-1.1	-5.5			
12	699 ~ 716	-1.6		-4.8				
38	2570 ~ 2620		-2.5	-1.1		-1.8	-8.1	
41	2496 ~ 2690		-2.5	-1.1		-1.8	-8.1	
66	1710 ~ 1780		-1.5	-1.9				

Note: Antenna information is provided by the applicant.

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Type of Emission & Max ERP/EIRP Power Measurement Result: 1.5

LTE	BW	Frequency		Modulation	ERP /		(W)	99%	Type of
Band	5	1.04	aonoy	modulatori	(dB		()		Emission
				QPSK	24.73	EIRP	0.297	23.2080	23M2G7D
2C	25	1713.3	1770.0	16QAM	23.67	EIRP	0.233	23.2080	23M2D7W
20	25	17 10.0	1770.0	64QAM	21.42	EIRP	0.139	23.2090	23M2D7W
				256QAM	20.32	EIRP	0.108	23.2490	23M2D7W
				QPSK	24.83	EIRP	0.304	28.4570	28M5D7W
2C	30	1715.5	1770.0	16QAM	24.32	EIRP	0.270	28.4530	28M5D7W
20	50	1715.5	1770.0	64QAM	21.90	EIRP	0.155	28.4180	28M4D7W
				256QAM	20.26	EIRP	0.106	28.4490	28M4D7W
				QPSK	24.82	EIRP	0.303	32.7870	32M8D7W
2C	35	1717.8	7.8 1770.0	16QAM	24.15	EIRP	0.260	32.8140	32M8D7W
20	55	1717.0		64QAM	22.01	EIRP	0.159	32.7560	32M8D7W
				256QAM	20.28	EIRP	0.107	32.7590	32M8D7W
			20.0 1770.0	QPSK	24.45	EIRP	0.279	37.8050	37M8D7W
2C	40	1720.0		16QAM	23.89	EIRP	0.245	37.7200	37M7D7W
20	40	1720.0		64QAM	21.05	EIRP	0.127	37.7470	37M7D7W
				256QAM	20.04	EIRP	0.101	37.7260	37M7D7W
LTE	BW	Г		M	ERP /	EIRP		000/	Type of
Band		Freq	uency	Modulation	(dB	m)	(W)	99%	Emission
				QPSK	20.40	ERP	0.110	13.9430	13M9G7D
50	15	826.8	844.0	16QAM	20.18	ERP	0.104	13.9140	13M9D7W
5B	15	020.0	044.0	64QAM	17.61	ERP	0.058	13.9110	13M9D7W
				256QAM	15.86	ERP	0.039	13.9100	13M9D7W
				QPSK	20.76	ERP	0.119	18.8140	18M8D7W
ED	20	000 0	9.0 844.0	16QAM	19.73	ERP	0.094	18.8350	18M8D7W
5B	20	029.0		64QAM	17.42	ERP	0.055	18.8000	18M8D7W
				256QAM	16.00	ERP	0.040	18.8160	18M8D7W

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LTE Band	BW	Freq	uency	Modulation	ERP / (dB		(W)	99%	Type of Emission	
				QPSK	23.94	EIRP	0.248	28.4470	28M4G7D	
70	20		0500.0	16QAM	23.21	EIRP	0.209	28.4140	28M4D7W	
7C	30	2505.5	2560.0	64QAM	20.64	EIRP	0.116	28.4290	28M4D7W	
				256QAM	19.33	EIRP	0.086	28.4250	28M4D7W	
				QPSK	23.71	EIRP	0.235	32.7630	32M8D7W	
70	25	2507.0	2560.0	16QAM	23.03	EIRP	0.201	32.7770	32M8D7W	
7C	35	2507.8	2560.0	64QAM	19.89	EIRP	0.097	32.7350	32M7D7W	
				256QAM	18.83	EIRP	0.076	32.7350	32M7D7W	
				QPSK	23.62	EIRP	0.230	37.6460	37M6D7W	
7C	40	2510.0	2560.0	16QAM	23.03	EIRP	0.201	37.6160	37M6D7W	
10	40	2510.0	2560.0	64QAM	20.21	EIRP	0.105	37.6300	37M6D7W	
				256QAM	19.30	EIRP	0.085	37.6930	37M7D7W	
LTE		Г		M	ERP /	EIRP	(14/)	000/	Type of	
Band	BW	Frequency		Frequency Modulatio	Modulation	(dB	m)	(W)	99%	Emission
		10 701.5	5 713.5	QPSK	19.79	EIRP	0.095	9.2640	9M3G7D	
12B	10			16QAM	19.45	EIRP	0.088	9.2552	9M3D7W	
IZD	10			64QAM	17.80	EIRP	0.060	9.2720	9M3D7W	
				256QAM	15.67	EIRP	0.037	9.2393	9M2D7W	
				QPSK	20.19	EIRP	0.104	13.8690	13M9D7W	
12B	15	701.8	711.0	16QAM	19.59	EIRP	0.091	13.8670	13M9D7W	
IZD	15	701.0	711.0	64QAM	17.48	EIRP	0.056	13.8760	13M9D7W	
				256QAM	15.92	EIRP	0.039	13.8750	13M9D7W	
LTE		Γ		M 11 C	ERP /	EIRP		000/	Type of	
Band	BW	Freq	uency	Modulation	(dB	Bm) (W)		99%	Emission	
				QPSK	23.61	EIRP	0.230	28.4570	28M5G7D	
200	20	0577 5	0040 5	16QAM	23.17	EIRP	0.207	28.4430	28M4D7W	
38C	30	2577.5	2612.5	64QAM	20.58	EIRP	0.114	28.4400	28M4D7W	
				256QAM	19.31	EIRP	0.085	28.4590	28M5D7W	
				QPSK	23.60	EIRP	0.229	37.7820	37M8D7W	
200	10	0500.0	0640.0	16QAM	23.23	EIRP	0.210	37.7880	37M8D7W	
38C	40	2580.0	2610.0	64QAM	20.66	EIRP	0.116	37.6930	37M7D7W	
			256QAM	19.30	EIRP	0.085	37.7520	37M8D7W		

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LTE	BW	Frequency		Maskilafan	ERP /	EIRP	0.00	000/	Type of
Band	BVV	Fled	uency	Modulation	(dB	m)	(W)	99%	Emission
				QPSK	24.88	EIRP	0.308	23.0190	23M0G7D
410 05	0400.2	0000.0	16QAM	24.37	EIRP	0.274	22.9930	23M0D7W	
41C	25	2499.3	2680.0	64QAM	21.89	EIRP	0.155	22.9590	23M0D7W
				256QAM	20.46	EIRP	0.111	22.9950	23M0D7W
				QPSK	24.74	EIRP	0.298	28.4700	28M5D7W
110	20	0501 F	0000.0	16QAM	24.07	EIRP	0.255	28.4570	28M5D7W
41C	30	2501.5	2680.0	64QAM	21.43	EIRP	0.139	28.4530	28M5D7W
				256QAM	20.18	EIRP	0.104	28.4340	28M4D7W
			QPSK	24.89	EIRP	0.308	32.7980	32M8D7W	
41C	35	0502.0	2680.0	16QAM	24.00	EIRP	0.251	32.8120	32M8D7W
410	ათ	2503.8	2000.0	64QAM	21.32	EIRP	0.136	32.7480	32M7D7W
				256QAM	20.18	EIRP	0.104	32.7550	32M8D7W
		2506.0	2506.0 2680.0	QPSK	24.62	EIRP	0.290	37.6790	37M7D7W
110	10			16QAM	24.22	EIRP	0.264	37.7680	37M8D7W
41C	40			64QAM	21.66	EIRP	0.147	37.7660	37M8D7W
				256QAM	20.35	EIRP	0.108	37.7300	37M7D7W
	1			1			1	r	1
LTE	BW	Frea	uency	Modulation	ERP /		(W)	99%	Type of
Band			BW Frequency M		(dB	· ·	. ,		Emission
				QPSK	24.01	EIRP	0.252	23.2120	23M2G7D
66C	25	1713.3	1770.0	16QAM	23.51	EIRP	0.224	23.2380	23M2D7W
	20	17 10.0	1110.0	64QAM	21.18	EIRP	0.131	23.2550	23M3D7W
				256QAM	19.33	EIRP	0.086	23.1900	23M2D7W
				QPSK	23.96	EIRP	0.249	28.4380	28M4D7W
66C	30	1715.5	1770.0	16QAM	23.18	EIRP	0.208	28.4530	28M5D7W
000	50	1710.0	1770.0	64QAM	21.18	EIRP	0.131	28.4360	28M4D7W
				256QAM	19.25	EIRP	0.084	28.4290	28M4D7W
				QPSK	23.86	EIRP	0.243	32.7890	32M8D7W
66C	35	1717.8	1770.0	16QAM	23.32	EIRP	0.215	32.7820	32M8D7W
	55	1717.0	.0 1770.0	64QAM	21.01	EIRP	0.126	32.7680	32M8D7W

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1770.0

1720.0

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256QAM

QPSK

16QAM

64QAM

256QAM

20.93

23.82

23.13

21.07

19.14

EIRP

EIRP

EIRP

EIRP

EIRP

0.124

0.241

0.206

0.128

0.082

32.7440

37.7480

37.6890

37.7080

37.6830

32M7D7W

37M7D7W

37M7D7W

37M7D7W

37M7D7W

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66C

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LTE	BW	Fred	uency	Modulation	ERP /	EIRP	(W)	99%	Type of
Band	DW	Tieq	uency	IVI OQUIAUOI I	(dBm)		(**)	5570	Emission
				QPSK	24.52	EIRP	0.283	9.2737	9M3G7D
66B	10	1713.3	1770.0	16QAM	24.01	EIRP	0.252	9.2715	9M3D7W
000	10	1715.5	1770.0	64QAM	21.95	EIRP	0.157	9.2605	9M3D7W
				256QAM	20.44	EIRP	0.111	9.2638	9M3D7W
				QPSK	24.71	EIRP	0.296	13.8980	13M9D7W
66B	15	1715.5	1770.0	16QAM	24.41	EIRP	0.276	13.9270	13M9D7W
000	15	17 15.5	1770.0	64QAM	21.94	EIRP	0.156	13.9030	13M9D7W
				256QAM	20.08	EIRP	0.102	13.8960	13M9D7W
				QPSK	25.38	EIRP	0.345	18.8190	18M8D7W
66D	66B 20 1717.8	1770.0	16QAM	24.32	EIRP	0.270	18.8400	18M8D7W	
OOB		1/1/.0	1770.0	64QAM	22.07	EIRP	0.161	18.7900	18M8D7W
				256QAM	20.23	EIRP	0.105	18.8370	18M8D7W

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Test Methodology of Applied Standards 1.6

FCC 47 CFR Part 2, 22H, 24E, 27C. ANSI C63.26-2015 KDB971168 D01 Power Meas license Digital System v03r01 KDB412172 D01 Determining ERP and EIRP v01r01

1.7 **Test Facility**

SAC 1 SAC 2 SAC 3 Conduction 1 Conducted 1 Conducted 2 Conducted 3 Conducted 4 Conducted 5 Conducted 6	TW0027	
SAC 3 Conduction 1 Conducted 1 Conducted 2 Conducted 3 Conducted 4 Conducted 5	TW0027	
Conduction 1 Conducted 1 Conducted 2 Conducted 3 Conducted 4 Conducted 5	TW0027	
Conducted 1 Conducted 2 Conducted 3 Conducted 4 Conducted 5	TW0027	
Conducted 2 Conducted 3 Conducted 4 Conducted 5	TW0027	
Conducted 3 Conducted 4 Conducted 5	100027	
Conducted 4 Conducted 5		
Conducted 5		
	-	
Conducted 6		
		TW3702
Conduction C		
SAC C		
SAC D		
SAC G		
Conducted A		
Conducted B	TW0028	
Conducted C		
Conducted D		
Conducted E		
Conducted F		
Conducted G		
	SAC D SAC G Conducted A Conducted B Conducted C Conducted D Conducted E Conducted F Conducted G list in each sectio	SAC D SAC G Conducted A Conducted B Conducted C Conducted D Conducted E Conducted F

1.8 Special Accessories

No special accessories were used during testing.

1.9 Equipment Modifications

There was no modifications incorporated into the EUT.

1.10 Radiated Emission Test Sites for Measurements from 9 kHz to 30 MHz

Radiated emission below 30MHz is measured in a 9m*6m*6m semi-anechoic chamber, the measurements correspond to those obtained at an open-field test site.

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

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SYSTEM TEST CONFIGURATION 2

2.1 **EUT Configuration**

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

2.2 **EUT Exercise**

The EUT (Transmitter) was operated in the continuous transmission mode employed with the simulator of the Base Station that fixates at test default channels to fix the Tx frequency which was for the purpose of the measurements.

2.3 **Test Procedure**

2.3.1 **Conducted Measurement at Antenna Port**

The EUT is placed on a table which is 0.8 m above ground plane. A low loss of RF cable was used to connect the antenna port of EUT to measurement equipment.

2.3.2 **Radiated Emissions (ERP/EIRP)**

The EUT is placed on a turn table, for emission measurements below 1 GHz is 0.8 m above ground plane, for emission measurements above 1 GHz, the table height shall be 1.5 m. The turn table shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both Horizontal and Vertical. In order to find out the max. emission, the relative positions of this transmitter (EUT) was rotated through three orthogonal axes and measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made "while keeping the antenna in the 'cone of radiation' from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response." is still within the 3dB illumination BW of the measurement antenna.

2.4 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuation factor between EUT conducted port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly EUT RF output level. Note:

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

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2.5 Final Amplifier Voltage and Current Information:

LTE CA Band 2C		
Test mode	DC voltage (V)	DC current (mA)
LTE CA Band 2C 20M+20M QPSK	7.8	417
LTE CA Band 5B		
Test mode	DC voltage (V)	DC current (mA)
LTE CA Band 5B 10M+10M QPSK	7.8	412
LTE CA Band 7C		
Test mode	DC voltage (V)	DC current (mA)
LTE CA Band 7C 20M+20M QPSK	7.8	433
LTE CA Band 12B		
Test mode	DC voltage (V)	DC current (mA)
Test mode LTE CA Band 12B 5M+10M QPSK	DC voltage (V) 7.8	DC current (mA) 419
LTE CA Band 12B	(V)	(mA)
LTE CA Band 12B 5M+10M QPSK	(V)	(mA)
LTE CA Band 12B 5M+10M QPSK LTE CA Band 38C	(V) 7.8 DC voltage	(mA) 419 DC current
LTE CA Band 12B 5M+10M QPSK LTE CA Band 38C Test mode LTE CA Band 38C	(V) 7.8 DC voltage (V)	(mA) 419 DC current (mA)
LTE CA Band 12B 5M+10M QPSK LTE CA Band 38C Test mode LTE CA Band 38C 20M+20M QPSK	(V) 7.8 DC voltage (V)	(mA) 419 DC current (mA)
LTE CA Band 12B 5M+10M QPSK LTE CA Band 38C Test mode LTE CA Band 38C 20M+20M QPSK LTE CA Band 41C	(V) 7.8 DC voltage (V) 7.8 DC voltage	(mA) 419 DC current (mA) 426 DC current

LIE CA Banu OOC		
Test mode	DC voltage	DC current
Test mode	(V)	(mA)
LTE CA Band 66C	78	427
20M+20M QPSK	1.0	421

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LTE CA Band 66B

Test mode	DC voltage	DC current
restinude	(V)	(mA)
LTE CA Band 66C	78	434
10M+10M QPSK	1.0	404

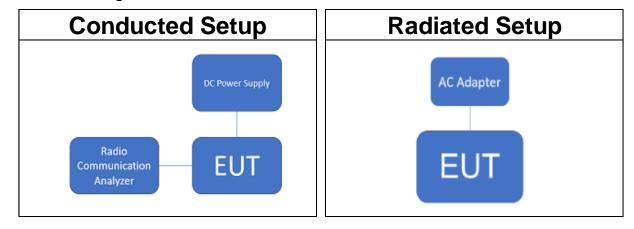
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2.6 **Test Configuration**



Note: Radio Communication Analyzer is placed in remote side for radiated test.

2.7 Control Unit(s)

	Radiated Emission Test Site: SAC 3														
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.										
AC Adapter	Shenzhen JingQuanHua & Everrise Intelligent Electric Co., Ltd	NSA65EU-20032500	N/A	N/A	N/A										
USB Cable	ASAP	LA9U2030-CS-H	N/A	N/A	N/A										

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3 SUMMARY OF TEST RESULTS

FCC Rules	Description Of Test	Result
§2.1046(a)	RF Power Output	Compliant
§22.913(a)(5) §24.232(c) §27.50(c)(10) §27.50(d)(4) §27.50(h)(2)	ERP/ EIRP measurement	Compliant
§2.1049(h)	99% & 26dB Occupied Bandwidth	Compliant
§2.1051 §22.917(a)(b) §24.238(a)(b) §27.53(g) §27.53(m) §27.53(m)(4) §27.53(h)(1)&(3)	Out of Band Emissions at Antenna Terminals and Band Edge / Emission mask requirements	Compliant
§2.1053 §22.917(a)(b) §24.238(a)(b) §27.53(g) §27.53(h) §27.53(m)(4)(6)	Field Strength of Spurious Radiation	Compliant
§22.913(d) §24.232(d) §27.50(a)(1)(B) §27.50(d)(5)	Peak to Average Ratio	Compliant
§2.1055(a)(1) §22.355 §24.235 §27.54	Frequency Stability	Compliant

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DESCRIPTION OF TEST MODES 4

4.1 The Test Channel Details

This device supports with carrier aggregation (two carrier) uplink. Intra-Band contiguous and Inter-Band non-contiguous specification as below:

E-UTRA Intra-Band CA configuration / Bandwidth combination set												
E-UTRA CA configuration	Component carriers in order of in-creasing carrier frequency Channel bandwidth for PCC and SCC [MHz]	Maximum ag-gregated band-width [MHz]										
	5+20 / 20+5 / 10+15 / 15+10	25										
	10+20 / 20+10 / 15+15	30										
CA_2C	15+20 / 20+15	35										
	20+20	40										
	5+10 / 10+5	15										
CA_5B	10+10	20										
	10+20 / 20+10 / 15+15	30										
CA_7C	15+20 / 20+15	35										
	20+20	40										
04,000	15+15	30										
CA_38C	20+20	40										
	5+20 / 20+5	25										
04.440	10+20 / 20+10 / 15+15	30										
CA_41C	15+20 / 20+15	35										
	20+20	40										
	5+5	10										
CA_66B	5+10 / 10+5	15										
	5+15 / 15+5 / 10+10	20										
	5+20 / 20+5 / 10+15 / 15+10	25										
04.000	10+20 / 20+10 / 15+15	30										
CA_66C	15+20 / 20+15	35										
	20+20	40										
04,400	5+5	10										
CA_12B	5+10	15										

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4.2 The Worst-CaseTest Modes and Details

- 1. The EUT has been tested under operating condition.
- 2. Pre-Scan has been conducted to determine the worst-case scenario from all possible combinations among available modulations, data rates and antenna ports, the worst case configurations listed below for the final test.
- The field strength of radiated emission was measured as the EUT positioned in different orthogonal planes (E1/E2/H) based on actual usage of the EUT to pre-scan the emissions for determining the worst case scenario.
- 4. The worst-case scenario for all measurements is based on the average conducted output power measurement investigation results. Output power measurements were measured on QPSK, 16QAM, 64QAM and 256QAM modulations. It was found that QPSK results the highest, hence all testing was performed using QPSK modulations to represent the worst case.
- 5. For occupied bandwidth, frequency stability and conducted unwanted emission measurements, due to each single LTE Band standalone transmission gernerates higher power than the *Inter-band* transmissions, the test results are only demonstrated for each single LTE band standalone transmission in test report TERF2407002102ER as the worst case scenarios.

In addition, the radiated unwanted emissions of *inter-band* has been evaluated as no noticeable emissions, therefore, the conducted unwanted emissions was not tested.

- For Band Edge and Emission Mask: The widest and narrowest BW combinations were tested. Combinations of same BW is considered equivalent. The RB combinations were selected as the signal activated closest to the band limit for determining the worst case scenario.
- For Out of Band Emissions: The widest and narrowest RB combinations was tested to determine the worst case senario with combinations generate higher emissions.
- 8. For peak to average ratio measurements, due to each single LTE Band standalone transmission generates higher power than the Inter-band transmissions, the test results are only demonstrated for each single LTE band standalone transmission in test report TERF2407002102ER as the worst case scenarios.

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4.2.1 Intra-Band

For uplink Intra-Band CA, evaluation has been done for contiguous and non-contiguous channel and bandwith, configurations that generates highest output power in standalone transmission have been selected for the final test.

		Tes	st Chan	nel			Band	dwidth (MHz)				Modu	lation		RB #				
Test Items	Band								,							Edge left +	Edge left +	Edge right +	Edge right +	
		L	М	н	10	15	20	25	30	35	40	QPSK	16QAM	64QAM	256QAM	Edge right	Edge left	Edge right	Edge left	Full
	2C	v	v	v				v	v	v	v	v	v	v	v				v	v
	5B 7C	v	v	v		v	v					v	۷	v	V				v	V
Max. Output	7C 12B	v	v	v					v	v	v	v	v	v	v				v	V
Power	38C	V	v v	v v	v	v						v	v	v	v v				v	v v
i o nei	41C	v v	v	v				v	v v	v	v v	v v	v v	v v	v				v v	v v
	66B	v	v	v	v	v	v	v	v	v	v	v	v	v	v				v	v v
	66C	v	v	v	v	v	v	v	v	v	v	v	v	v	v				v	v
	2C	v	v	v				v	v	v	v	v	, v	v	, ,				i i	v
											v								-	
	5B		v				v					v								v
Freqency	7C		۷								v	v								v
Stability	12B 38C		V			v						v								v
,	38C 41C		v v								v v	v v								v v
	41C 66B		v				v				v	v								v v
	66C		v				v				v	v								v
		Tes	st Chan	nel			Band	dwidth (MHz)				Modu	lation				RB #		•
Test Items	Band	L	M	н	10	15	20	25	30	35	40	QPSK	16QAM	64QAM	256QAM	Edge left + Edge right	Edge left + Edge left	Edge right + Edge right	Edge right + Edge left	Full
	2C		v					v	v	v	v	v	v	v	v		Lugenne			v
	5B		v			v	v					v	v	v	v					v
	7C		v						v	v	v	v	v	v	v					v
26dB and	12B		v		v	v						v	v	v	v					v
99%	38C		v						v		v	v	v	v	v					v
Bandwidth	41C		٧					v	٧	v	٧	v	v	v	v					v
	42C		٧					v	٧	v	٧	v	v	v	v					v
	66B		v		v	v	v					v	v	v	v					v
	66C		v					٧	v	v	v	v	v	v	v					٧
	2C		۷					v	۷	v	v				v					v
	5B		v			v	v								v					v
	7C		۷						۷	v	v				v					v
Peak-to-Av	12B		v		v	v									v					v
erage Ratio	38C		V						V		V				v					v
	41C 42C		v v					v v	v v	v v	v v				v v					v v
	42C 66B		v		v	v	v	v	v	v	v				v					v v
	66C		v		v	v	v	v	v	v	v				v					v
		Tes	st Chan	nel			Band	dwidth (Modu	lation	. ·			RB #		
Test Items	Band	L	м	н	10	15	20	25	30	35	40	QPSK	16QAM	64QAM	256QAM	Edge left + Edge right	Edge left + Edge left	Edge right + Edge right	Edge right + Edge left	Full
	2C	v		v					v		v	v					v	v		v
	5B	v		v			v					v					v	v		v
Band Edge	12B	v		v		v						v					v	v		v
	66B	v		v			v					v					v	v		٧
	66C	v		v				v			v	v					v	v		v
		Tes	st Chan	nel			Band	dwidth (MHz)				Modu	lation				RB #		
Test Items	Band	L	м	н	10	15	20	25	30	35	40	QPSK	16QAM	64QAM	256QAM	Edge left + Edge right	Edge left + Edge left	Edge right + Edge right	Edge right + Edge left	Full
	7C	v	v	v					v		v	v				v				v

Test Items	Band	L	м	Н	10	15	20	25	30	35	40	QPSK	16QAM	64QAM	256QAM	Edge left + Edge right	Edge left + Edge left	Edge right + Edge right	Edge right + Edge left	Full
	7C	v	v	v					v		v	v				v				v
Mask	38C	v	v	v					v		v	v				v				v
	41C	v	v	v						v	v	v				v				v
		Te	st Chan	nel			Banc	width (MHz)				Modu	lation				RB #		

		Tes	st Unani	nei			Danc	awiath (I				wodulation				KD#				
Test Items	Band	L	м	н	10	15	20	25	30	35	40	QPSK	16QAM	64QAM	256QAM	Edge left +			Edge right +	Full
						-										Edge right	Edge left	Edge right	Edge left	-
	2C	v	v	v					v		v	v							v	
	5B	v	v	v			v					v							v	
	12B	v	v	v		v						v							v	
Conducted	7C	v	v	v					v		v	v							v	
Emission	38C	v	v	v					v		v	v							v	
	41C	v	v	v						v	v	v							v	
	66B	v	v	v			v					v							v	
	66C	v	v	v				v			v	v							v	

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		Tes	st Chanı	nel			Banc	width (MHz)				Modu	lation		RB #				
Test Items	Band	Ц	Μ	H	10	15	20	25	30	35	40	QPSK	16QAM	64QAM	256QAM	Edge left + Edge right	Edge left + Edge left	Edge right + Edge right	Edge right + Edge left	Full
	2C	v	v	v					v			v							v	
	5B	v	v	v			v					v							v	
	12B	v	v	٧		v						v							v	
Radiated	7C	v	v	v					v			v							v	
Emission	38C	v	v	v					v			v							v	
	41C	v	v	v						v		v							v	
	66B	v	v	v			v					v							v	
	66C	v	v	۷				٧				v							v	

4.2.2 Inter-Band

For uplink Inter-Band CA configurations, following configurations have been selected for the final test.

E-UTRA Band	Test Channel	Channel Bandwidth (MHz)	Modulation	Resource Block Allocation			
		(11112)		RBs allocated	RB Offset		
2A_4A	18700_20050	20_20	QPSK	1_1	0_0		
2A_4A	18900_20175	20_20	QPSK	1_1	0_0		
2A_4A	19100_20300	20_20	QPSK	1_1	0_0		
2A_5A	18700_829	20_10	QPSK	1_1	0_0		
2A_5A	18900_836.5	20_10	QPSK	1_1	0_0		
2A_5A	19100_844	20_10	QPSK	1_1	0_0		
2A_30A	18700_27685	20_5	QPSK	1_1	0_0		
2A_30A	18900_27710	20_5	QPSK	1_1	0_0		
2A_30A	19100_27735	20_5	QPSK	1_1	0_0		
5A_7A	20450_20850	10_20	QPSK	1_1	0_0		
5A_7A	20525_21100	10_20	QPSK	1_1	0_0		
5A_7A	20600_21350	10_20	QPSK	1_1	0_0		
5A_66A	20450_132072	10_20	QPSK	1_1	0_0		
5A_66A	20525_132322	10_20	QPSK	1_1	0_0		
5A_66A	20600_132572	10_20	QPSK	1_1	0_0		

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MEASUREMENT UNCERTAINTY 5

Test Items	Une	certair	nty
RF Power Output	+/-	0.97	dB
EBD/ EIDD magaurament	+/-	2.15	dB
ERP/ EIRP measurement	+/-	2.15	dB
Emission Bandwidth	+/-	1.38	Hz
Out of Band Emissions at Antenna Terminals and Band Edge	+/-	0.77	dB
Peak to Average Ratio	+/-	0.97	dB
Frequency Stability vs. Temperature	+/-	1.48	Hz
Frequency Stability vs. Voltage	+/-	1.48	Hz
Temperature	+/-	0.6	°C
Humidity	+/-	3	%
DC / AC Power Source	+/-	1	%

Radiated Spurious Em	nissio	n Measur	ement	Uncertainty
	+/-	1.89	dB	9kHz~30MHz
Polarization: Vertical	+/-	4.15	dB	30MHz - 1000MHz
	+/-	3.43	dB	1GHz - 18GHz
	+/-	3.86	dB	18GHz - 40GHz
	+/-	1.89	dB	9kHz~30MHz
Polarization: Horizontal	+/-	4.02	dB	30MHz - 1000MHz
Folarization. Horizontai	+/-	3.43	dB	1GHz - 18GHz
	+/-	3.86	dB	18GHz - 40GHz
	+/-	2	dB	33GHz-50GHz
	+/-	1.59	dB	50GHz-60GHz
Radiated Spurious Emission	+/-	1.7	dB	60GHz-90GHz
	+/-	1.64	dB	90GHz-140GHz
	+/-	3.83	dB	140GHz-220GHz

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

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MEASUREMENT EQUIPMENT USED 6

Conducted Measurement 6.1

	C	onducted Emission T	est Site: Conducted	3	
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
4G High Pass Filter	WI	WHKX4.0	21	12/12/2023	12/11/2024
Attenuator	Mini-Circuits	BW-S10W2+	16	12/12/2023	12/11/2024
DC Block	Mini-Circuits	BLK-18-S+	11	12/12/2023	12/11/2024
DC Power Supply	Gwinstek	SPS-3610	GEV856733	12/04/2023	12/03/2024
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY57120290	04/10/2024	04/09/2025
EXA Spectrum Analyzer	KEYSIGHT	N9010B	MY59071571	06/04/2024	06/03/2025
PXA Spectrum Analyzer	Keysight	N9030B	MY61330494	03/22/2024	03/21/2025
Radio Communication Analyzer	Anritsu	MT8821C	6261786084	01/16/2024	01/15/2025
Splitter	Titan	T0510E2W118Q	22015158	12/12/2023	12/11/2024
Temperature Chamber	Giant Force	GTH-150-40-CP-AR	MAA0512-018	06/05/2024	06/04/2025
Test Software	SGS	Radio Test Software	Ver. 21	N.C.R	N.C.R

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6.2 **Radiated Measurement**

		Radiated Emissio	n Test Site: SAC 3		
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Attenuator	Mini-Circuits	BW-S10W2+	16	12/12/2023	12/11/2024
1G High Pass Filter	Micro-Tronics	HPM50108	32	12/12/2023	12/11/2024
2G High Pass Filter	Micro-Tronics	HPM50110	36	12/12/2023	12/11/2024
Band Reject Filter 800-1000	EWT	EWT-54-0037	M3R	12/12/2023	12/11/2024
Band Reject Filter 1700-2000	EWT	EWT-54-0038	M1	12/12/2023	12/11/2024
Band Reject Filter 2240-2700	WI	WRCJV2300/2700- 2240/2760-40/12SS	1	12/12/2023	12/11/2024
Coaxial Cables	Huber Suhner	SUCOFLEX 102+SUCOFLEX 106	TX Cable 30M-40G 23051/2+76096/6+2 2962/2	08/30/2024	08/29/2025
Coaxial Cables	EMCl+Huber Suhner	EMC107-SM-SM- 1000 +SUCOFLEX 104PEA +EMC107-SM-SM- 1500 +SUCOFLEX 106	RX Cable 9K-18G (221110+MY4251/4 PEA+221106+76096 /6)	08/30/2024	08/29/2025
Coaxial Cables	Huber Suhner	SUCOFLEX 102	RX Cable 18G-40G MY2630/2+805062/ 2	08/30/2024	08/29/2025
Radio Communication Analyzer	Anritsu	MT8821C	6262044670	08/23/2024	08/22/2025
EMI Test Receiver	R&S	ESCI 7	100759	08/28/2024	08/27/2025
EXA Spectrum Analyzer	KEYSIGHT	N9010B	MY63440386	02/06/2024	02/05/2025
Network Analyzer	R&S	ZNB 40	101842	05/16/2024	05/15/2025
Bi-log Antenna	SCHWARZBECK	VULB9168	378	08/09/2024	08/08/2025
Bi-log Antenna	SCHWARZBECK	VULB9168	1208	07/17/2024	07/16/2025
Horn Antenna	SCHWARZBECK	BBHA9120D	603	05/15/2024	05/14/2025
Horn Antenna	SCHWARZBECK	BBHA9170	184	12/28/2023	12/27/2024
Horn Antenna	RF SPIN	DRH0844	LE2D05A0844	07/10/2024	07/09/2025
Horn Antenna	SCHWARZBECK	BBHA9120D	1441	09/23/2024	09/22/2025
Pre-Amplifier	EMCI	EMC184045SEE	9080939	08/30/2024	08/29/2025
Pre-Amplifier	EMCI	EMC118A45SEE	980868	08/30/2024	08/29/2025
Pre-Amplifier	HP	8447D	2944A07676	08/30/2024	08/29/2025
Site Cal	SGS	SAC 3	N/A	08/30/2024	08/29/2025
Test Software	Audix	e3	Ver. 9.210616	N.C.R	N.C.R

Note: N.C.R refers to Not Calibrated Required.

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MAXIMUM OUTPUT POWER 7

7.1 Standard Applicable

A base station simulator was used to establish communication with the EUT. Its parameters were set to transmit the maximum power on the EUT. The measured power in the radio frequency on the transmitter output terminals.

7.1.1 **ERP/EIRP LIMIT**

According to FCC §2.1046

FCC 22.913(a)

(5) mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

FCC 24.232(c)

Mobile and portable stations are limited to 2 W EIRP.

FCC 27.50(c)

(10) Portable stations (hand-held devices) are limited to 3 watts ERP.

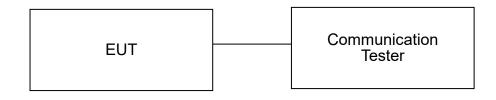
FCC 27.50(d)

(4) Mobile, and portable (hand-held) stations operating in the 1710-1755 MHz, 1695-1710 MHz and 1755-1780 MHz bands are limited to 1W EIRP.

FCC 27, 50(h)

(2) Mobile and other user stations transmitting in the BRS and EBS bands are limited to 2 W EIRP.

7.2 **Test Set-up**



Note: Measurement setup for testing on Antenna connector

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7.3 Output Power Measurement Applicable Guideance

The transmitter output was connected to a communication tester. Transmitter output was read off the communication tester in dBm. The power output at the transmitter antenna port was determined by the communication tester reading The Procedure of KDB941225 (SAR Measurement Procedures for 3G devices, (WCDMA/HSPA) was used for EUT and Base station setting. RMC 12.2kps is used for this testing, and KDB 971168 D01 Power Meas License Digital System as the supplemental test methodology to adjust the proper setting obtaining the measurement results.

All LTE bands conducted average power is obtained from the simulator telecommunication test set.

7.4 Determining ERP and/or EIRP from conducted RF output power measurements

According to KDB 412172 D01 Power Approach,

 $EIRP = P_T + G_T - L_C,$ ERP = EIRP - 2.15,

Where:

- ERP or EIRP = effective radiated power or equivalent isotropically radiated power (expressed in the same units as PT, typically dBW, dBm, or power spectral density (PSD)2), relative to either a dipole antenna (ERP) or an isotropic antenna (EIRP);
 - P_{T} = transmitter output power, expressed in dBW, dBm, or PSD;
 - G_{τ} = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);
 - Lc = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

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7.5 LTE Measurement Results:

Part 24 _ EIR)	2											
Antenna Gai	n		-0.2								- 1-		-	
	PC	c	sc	C1			PCC SCC1				Conducte		EIRP	EIRP
Bandwidth					Modulation		₿	-	RB		erage (dl		Average	Average
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset	PCC	SCC1	Total	(dBm)	(W)
	18633	1853.3	18750	1865.0	QPSK	1	24	1	0	20.72	23.75	23.75	23.55	0.226
					Q. 0.1	25	0	100	0	20.23	20.75	23.21	23.01	0.200
5MHz+	18808	1870.8	18925	1882.5	QPSK	1	24	1	0	22.02	24.53	24.54	24.34	0.272
20MHz	10000	1010.0	10020	1002.0	di oli	25	0	100	0	20.46	20.12	23.01	22.81	0.191
	18983	1888.3	19100	1900.0	QPSK	1	24	1	0	20.57	23.07	23.08	22.88	0.194
	10000	1000.0	10100	1000.0		25	0	100	0	19.75	20.31	22.80	22.60	0.182
	18633	1853.3	18750	1865.0	16QAM	1	24	1	0	20.05	23.04	23.04	22.84	0.192
	10000	1000.0	10/00	1000.0	5.0 10QAM	25	0	100	0	19.14	19.72	22.17	21.97	0.157
5MHz+	18808	1870.8	18925	1882.5	16QAM	1	24	1	0	20.72	23.85	23.85	23.65	0.232
20MHz	10000	10/0.0	10020	1002.0		25	0	100	0	19.08	19.60	22.09	21.89	0.155
	18983	1888.3	19100	1900.0	16QAM	1	24	1	0	19.57	22.57	22.57	22.37	0.173
	10000	1000.0	10100	1000.0	1000/101	25	0	100	0	18.78	19.30	21.79	21.59	0.144
	18633	1853.3	18750	1865.0	64QAM	1	24	1	0	17.86	20.82	20.82	20.62	0.115
	10000	1000.0	10750	1003.0		25	0	100	0	18.19	18.75	21.21	21.01	0.126
5MHz+	18808	1870.8	18925	1882.5	64QAM	1	24	1	0	18.12	21.36	21.36	21.16	0.131
20MHz	10000	10/0.0	10325	1002.0		25	0	100	0	18.10	18.61	21.12	20.92	0.124
	18983	1888.3	19100	1900.0	64QAM	1	24	1	0	17.35	20.30	20.31	20.11	0.103
	10303	1000.5	13100	1300.0		25	0	100	0	17.81	18.31	20.81	20.61	0.115
	18633	1853.3	18750	1865.0	256QAM	1	24	1	0	16.69	19.62	19.62	19.42	0.087
	10000	1000.0	10750	1005.0	200000	25	0	100	0	17.19	17.71	20.20	20.00	0.100
5MHz+	18808	1870.8	18925	1882.5	256QAM	1	24	1	0	16.96	20.36	20.36	20.16	0.104
20MHz	10000	10/0.0	10020	1002.0	2000/10	25	0	100	0	17.20	17.72	20.23	20.03	0.101
	18983	1888.3	19100	1900.0	256QAM	1	24	1	0	15.97	19.01	19.01	18.81	0.076
	10000	1000.0	10100	1000.0	2000/10	25	0	100	0	16.99	17.59	20.06	19.86	0.097

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Part 24 _ EIRP Limit (W) 2 OUTPUT POWER FOR LTE BAND 2C (10MHz + 15MHz) Antenna Gain -0.2 PCC EIRP EIRP SCC1 Conducted PCC SCC1 Bandwidth Modulation RB RB Average (dBm) Average Average MHz MHz Size Offset Size Offset PCC SCC1 Earfcn Earfcn (dBm) Total (W) 20.47 49 20.30 23.30 23.10 0.204 0 18653 1855.3 18773 1867.3 QPSK 19.90 19.69 22.80 50 0 75 0 22.60 0.182 21.92 10MHz+ 1 49 1 0 21.83 24.81 24.61 0.289 18829 1872.9 18949 1884.9 **QPSK** 15MHz 22.98 50 0 75 0 20.16 20.18 23.18 0.199 49 0 20.10 20.31 23.12 22.92 0.196 1 1 19005 1890.5 19125 1902.5 **QPSK** 50 0 75 0 19.88 19.78 22.84 22.64 0.184 49 0 19.57 19.85 22.63 22.43 0.175 1 1 18653 1855.3 18773 1867.3 16QAM 50 75 21.53 0.142 0 0 18.15 19.22 21.73 10MHz+ 49 0.232 1 1 0 20.54 21.26 23.86 23.66 18829 1872.9 18949 1884.9 16QAM 15MHz 50 21.97 0.157 0 75 0 19.18 19.14 22.17 49 22.18 0.165 1 1 0 19.07 19.85 22.38 19005 1890.5 19125 1902.5 16QAM 50 0 75 0 18.68 18.74 21.72 21.52 0.142 17.17 49 1 0 17.12 20.04 19.84 0.096 1 18653 1855.3 18773 1867.3 64QAM 50 0 75 0 17.16 18.16 20.70 20.50 0.112 10MHz+ 1 49 1 0 17.76 18.35 20.97 20.77 0.119 18829 1872.9 1884.9 64QAM 18949 15MHz 50 0 75 0 18.43 18.35 21.40 0.132 21.20 49 1 0 16.92 17.52 20.16 19.96 0.099 1 19005 1890.5 19125 1902.5 64QAM 50 75 0 0 20.54 0.113 7.75 17.70 20.74 49 1 1 0 16.19 16.34 19.17 18.97 0.079 18653 1855.3 18773 1867.3 256QAM 50 0 75 0 16.26 17.14 19.73 19.53 0.090 10MHz+ 49 1 0 16.74 17.14 19.88 19.68 0.093 1 18829 1872.9 18949 1884.9 256QAM 15MHz 50 0 75 0 17.30 17.26 20.29 20.09 0.102 49 1 0 16.00 16.50 19.18 18.98 0.079 1 19005 1890.5 19125 1902.5 256QAM 50 0 75 0 16.78 16.85 19.82 19.62 0.092

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Part 24 _ EIRP Limit (W) 2 OUTPUT POWER FOR LTE BAND2C (15MHz + 10MHz) Antenna Gain -0.2 PCC EIRP EIRP SCC1 Conducted PCC SCC1 Modulation Bandwidth RB RB Average (dBm) Average Average MHz MHz Size Offset Size Offset PCC SCC1 Earfcn Earfcn (dBm) Total (W) 22.85 19.46 23.05 74 20.68 0.193 0 18675 1857.5 18795 1869.5 QPSK 19.42 22.66 75 0 50 0 19.87 22.46 0.176 74 21.75 15MHz+ 1 1 0 21.78 24.72 24.52 0.283 18851 1875.1 18971 1887.1 **QPSK** 10MHz 22.94 75 0 50 0 20.18 20.08 23.14 0.197 74 1 0 20.52 20.50 23.45 23.25 0.211 1 19027 1892.7 19147 1904.7 **QPSK** 75 0 50 0 20.06 19.97 23.02 22.82 0.191 74 0 19.67 19.57 22.55 22.35 0.172 1 1 18675 1857.5 18795 1869.5 16QAM 75 0 21.36 0.137 50 0 18.64 18.45 21.56 15MHz+ 74 0.207 1 1 0 20.63 20.25 23.36 23.16 18851 1875.1 18971 1887.1 16QAM 10MHz 75 21.94 0.156 0 50 0 19.14 19.13 22.14 74 22.70 0.186 1 1 0 19.87 20.05 22.90 19027 1892.7 19147 1904.7 16QAM 75 0 50 0 18.93 18.87 21.91 21.71 0.148 1 74 1 0 17.28 17.36 20.23 20.03 0.101 18675 1857.5 18795 1869.5 64QAM 75 0 50 0 17.71 17.59 20.66 20.46 0.111 15MHz+ 1 74 1 0 17.69 17.62 20.58 20.38 0.109 18851 1875.1 1887.1 64QAM 18971 10MHz 75 0 50 0 18.30 18.34 21.33 0.130 21.13 1 74 1 0 17.46 17.75 20.52 20.32 0.108 19027 1892.7 1904.7 19147 64QAM 75 0 50 0 21.01 20.81 0.121 17.42 18.52 0.082 1 74 1 0 16.58 16.25 19.34 19.14 1857.5 18675 1869.5 18795 256QAM 75 0 50 0 17.19 16.14 19.71 19.51 0.089 15MHz+ 74 1 0 16.88 16.41 19.61 19.41 0.087 1 18851 1875.1 18971 1887.1 256QAM 10MHz 75 0 50 0 17.20 17.15 20.19 19.99 0.100 74 1 0 16.86 16.48 19.61 19.41 0.087 1 19027 1892.7 19147 1904.7 256QAM 75 0 50 0 17.08 17.09 20.10 19.90 0.098

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Part 24 _ EIRP Limit (W) 2 OUTPUT POWER FOR LTE BAND 2C (20MHz + 5MHz) Antenna Gain -0.2 PCC EIRP EIRP SCC1 Conducted PCC SCC1 Modulation Bandwidth RB RB Average (dBm) Average Average Offset MHz MHz Size Size Offset PCC SCC1 Earfcn Earfcn (dBm) Total (W) 23.66 20.66 23.48 99 23.68 0.223 0 18700 1860.0 18817 1871.7 QPSK 19.64 100 22.67 22.47 0 25 0 20 .15 0.177 20MHz+ 99 23.75 20.77 23.76 23.56 0.227 1 1 0 18875 1877.5 18992 1889.2 **QPSK** 22.94 22.74 5MHz 100 0 25 0 20.40 19.96 0.188 99 0 24.91 22.39 24.93 24.73 0.297 1 1 19050 1895.0 19167 1906.7 **QPSK** 20.90 100 0 25 0 20.36 23.39 23.19 0.208 99 0 23.18 20.08 23.18 22.98 0.199 1 1 18700 1860.0 18817 1871.7 16QAM 100 25 21.48 0.141 0 0 19.54 18.11 21.68 20MHz+ 99 0.233 1 1 0 23.86 20.68 23.87 23.67 18875 1877.5 18992 1889.2 16QAM 100 21.62 0.145 5MHz 0 25 0 19.30 18.83 21.82 99 23.50 0.224 1 1 0 23.69 20.65 23.70 19050 1895.0 19167 1906.7 16QAM 100 0 25 0 19.68 19.15 22.20 22.00 0.158 1 99 0 20.87 17.69 20.87 20.67 0.117 1 18700 1860.0 18817 1871.7 64QAM 100 0 25 0 18.30 17.75 20.78 20.58 0.114 21.61 20MHz+ 1 99 1 0 18.91 21.62 0.139 21.42 18875 1877.5 1889.2 64QAM 18992 5MHz 100 0 25 0 18.49 17.88 20.95 20.75 0.119 99 1 0 20.64 17.84 20.64 20.44 0.111 1 19050 1895.0 1906.7 19167 64QAM 100 25 0 0 21.34 21.14 0.130 18.90 18.23 19.72 0.094 1 99 1 0 19.92 16.87 19.92 18700 1860.0 1871.7 18817 256QAM 100 0 25 0 17.39 16.74 19.82 19.62 0.092 20MHz+ 99 1 0 20.52 17.52 20.52 20.32 0.108 1 18875 1877.5 18992 1889.2 256QAM 5MHz 100 0 25 0 17.45 16.96 19.97 19.77 0.095 99 1 0 19.74 16.91 19.74 19.54 0.090 1 19050 1895.0 19167 1906.7 256QAM 100 0 25 0 17.93 17.43 20.46 20.26 0.106

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Part 24 _ EIRP Limit (W) 2 OUTPUT POWER FOR LTE BAND 2C (10MHz + 20MHz) Antenna Gain -0.2 PCC EIRP EIRP SCC1 Conducted PCC SCC1 Bandwidth Modulation RB RB Average (dBm) Average Average SCC1 MHz MHz Size Offset Size Offset PCC Earfcn Earfcn (dBm) Total (W) 22.55 23.44 49 20.45 23.24 0.211 0 18655 1855.5 18799 1869.9 QPSK 20.08 100 23.05 50 0 0 20.05 22.85 0.193 10MHz+ 21.99 24.12 25.02 1 49 0 24.82 0.303 1 18806 1870.6 18950 1885.0 **QPSK** 20MHz 22.82 50 0 100 0 20.03 20.04 23.02 0.191 49 0 20.63 22.74 23.71 23.51 0.224 1 1 18956 1885.6 19100 1900.0 **QPSK** 50 0 100 0 20.02 20.08 23.03 22.83 0.192 49 0 19.74 21.70 22.74 22.54 0.179 1 1 18655 1855.5 18799 1869.9 16QAM 50 100 21.82 0.152 0 0 19.06 19.02 22.02 10MHz+ 49 0.270 1 1 0 21.12 23.61 24.52 24.32 18806 1870.6 18950 1885.0 16QAM 20MHz 50 21.81 0.152 0 100 0 19.50 18.50 22.01 49 22.53 0.179 1 1 0 19.96 21.68 22.73 18956 1885.6 19100 1900.0 16QAM 50 0 100 0 18.97 19.10 22.02 21.82 0.152 49 0 17.64 19.14 20.16 19.96 0.099 1 1 18655 1855.5 18799 1869.9 64QAM 50 0 100 0 17.61 18.54 21.08 20.88 0.122 10MHz+ 1 49 1 0 19.34 20.87 22.10 21.90 0.155 18806 1870.6 18950 1885.0 64QAM 20MHz 50 0 100 0 18.06 18.05 21.04 20.84 0.121 49 0 17.43 19.07 20.30 20.10 0.102 1 1 18956 1885.6 1900.0 19100 64QAM 50 100 0 0 0.121 18.44 17.57 21.01 20.81 49 0.082 1 1 0 16.40 18.38 19.35 19.15 18655 1855.5 1869.9 18799 256QAM 50 0 100 0 17.13 17.02 20.05 19.85 0.097 10MHz+ 49 1 0 17.01 19.57 20.46 20.26 0.106 1 18806 1870.6 18950 1885.0 256QAM 20MHz 50 0 100 0 16.91 16.98 19.93 19.73 0.094 49 1 0 16.83 18.36 19.51 19.31 0.085 1 18956 1885.6 19100 1900.0 256QAM 50 0 100 0 17.12 17.22 20.16 19.96 0.099

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Part 24 _ EIRP Limit (W) 2 OUTPUT POWER FOR LTE BAND 2C (15MHz + 15MHz) Antenna Gain -0.2 PCC EIRP EIRP SCC1 Conducted PCC SCC1 Bandwidth Modulation RB RB Average (dBm) Average Average MHz MHz Size Offset Size Offset PCC SCC1 Earfcn Earfcn (dBm) Total (W) 74 20.28 23.29 23.09 0.204 0 20.29 18675 1857.5 18825 1872.5 QPSK 19.97 19.95 22.97 22.77 75 0 75 0 0.189 22.05 22.00 74 15MHz+ 1 1 0 25.03 24.83 0.304 18825 1872.5 18975 1887.5 **QPSK** 15MHz 22.75 75 0 75 0 19.91 19.96 22.95 0.188 74 0 20.06 20.18 23.13 22.93 0.196 1 1 18975 1887.5 19125 1902.5 **QPSK** 75 0 75 0 20.17 20.18 23.18 22.98 0.199 74 0 19.94 19.10 22.55 22.35 0.172 1 1 18675 1857.5 18825 1872.5 16QAM 75 0 75 21.73 0.149 0 18.99 18.86 21.93 15MHz+ 74 0.240 1 1 0 20.92 21.05 24.00 23.80 18825 1872.5 18975 1887.5 16QAM 15MHz 75 21.74 0.149 0 75 0 18.94 18.91 21.94 74 19.47 0.089 1 1 0 16.84 16.48 19.67 18975 1887.5 19125 1902.5 16QAM 75 0 75 0 18.96 19.01 22.00 21.80 0.151 1 74 1 0 17.19 17.12 20.17 19.97 0.099 18675 1857.5 18825 1872.5 64QAM 75 0 75 0 17.50 18.51 21.05 20.85 0.122 18.12 15MHz+ 1 74 1 0 18.32 21.23 21.03 0.127 18825 1872.5 1887.5 64QAM 18975 15MHz 75 0 75 0 18.03 18.03 21.04 20.84 0.121 1 74 1 0 16.49 16.92 19.72 19.52 0.090 18975 1887.5 19125 1902.5 64QAM 75 75 0 0 20.79 0.120 17.41 18.48 20.99 0.082 1 74 1 0 15.86 16.74 19.33 19.13 1857.5 18675 18825 1872.5 256QAM 75 0 75 0 17.11 17.00 20.06 19.86 0.097 15MHz+ 74 1 0 17.04 17.48 20.28 20.08 0.102 1 18825 1872.5 18975 1887.5 256QAM 15MHz 75 0 75 0 17.07 17.05 20.07 19.87 0.097 74 1 0 15.83 15.68 18.77 18.57 0.072 1 18975 1887.5 19125 1902.5 256QAM 75 0 75 0 17.08 17.10 20.10 19.90 0.098

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Part 24 _ EIRP Limit (W) 2 OUTPUT POWER FOR LTE BAND 2C (20MHz + 10MHz) Antenna Gain -0.2 PCC EIRP EIRP SCC1 Conducted PCC SCC1 Bandwidth Modulation RB RB Average (dBm) Average Average MHz MHz Size Offset Size Offset PCC SCC1 Earfcn Earfcn (dBm) Total (W) 99 22 54 20.65 23.68 23.48 0.223 0 18700 1860.0 18844 1874.4 QPSK 20.00 100 23.06 0 50 0 20.16 22.86 0.193 23.40 21.40 20MHz+ 99 1 1 0 24.42 24.22 0.264 18851 1875.1 18995 1889.5 **QPSK** 10MHz 22.74 100 0 50 0 20.01 19.89 22.94 0.188 99 1 0 22.19 20.46 23.48 23.28 0.213 1 19001 1890.1 19145 1904.5 **QPSK** 100 0 50 0 20.20 23.20 23.00 0.200 20.23 99 0 20.30 23.15 22.95 0.197 1 1 22.07 18700 1860.0 18844 1874.4 16QAM 100 21.93 0.156 0 50 0 19.11 19.18 22.13 20MHz+ 99 22.57 0.181 1 1 0 21.84 19.56 22.77 18851 1875.1 18995 1889.5 16QAM 10MHz 100 21.74 0.149 0 50 0 19.46 18.38 21.94 99 19.94 22.72 0.187 1 1 0 21.93 22.92 19001 1890.1 19145 1904.5 16QAM 100 0 50 0 19.11 19.17 22.13 21.93 0.156 1 99 1 0 19.52 17.88 20.67 20.47 0.111 18700 1860.0 18844 1874.4 64QAM 100 0 50 0 18.17 18.09 21.12 20.92 0.124 20MHz+ 1 99 1 0 19.20 17.16 20.15 19.95 0.099 18851 1875.1 1889.5 64QAM 18995 17.88 10MHz 100 0 50 0 18.00 20.93 20.73 0.118 99 1 0 19.52 17.58 20.53 20.33 0.108 1 19001 1890.1 1904.5 19145 64QAM 100 0 50 0 21.16 20.96 0.125 18.22 18.12 19.69 0.093 1 99 1 0 19.11 16.72 19.89 18700 1860.0 1874.4 18844 256QAM 100 0 50 0 17.32 17.22 20.25 20.05 0.101 20MHz+ 99 1 0 18.13 16.31 19.16 18.96 0.079 1 18851 1875.1 18995 1889.5 256QAM 10MHz 100 0 50 0 17.00 16.98 19.98 19.78 0.095 99 1 0 18.81 16.63 19.80 19.60 0.091 1 19001 1890.1 19145 1904.5 256QAM 100 0 50 0 17.16 17.24 20.19 19.99 0.100

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Part 24 _ EIRP Limit (W)

2

OUTPUT POWER FOR LTE BAND 2C (15MHz + 20MHz)

Antenna Gai		,	-0.2											
	P	٠ <u>٢</u>	SC	·C1		P	CC	S	CC1	0	Conducte	d	EIRP	EIRP
Bandwidth					Modulation	1	RB		RB		Average (dBm)			Average
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset	PCC	SCC1	Total	(dBm)	(W)
	18678	1857.8	18849	1874.9	QPSK	1	74	1	0	20.26	20.23	23.26	23.06	0.202
	10070	1007.0	10040	1074.0	GION	75	0	100	0	19.93	19.97	22.96	22.76	0.189
15MHz+	18803	1870.3	18974	1887.4	QPSK	1	74	1	0	21.97	22.06	25.02	24.82	0.303
20MHz	10000	1010.0	10011	100111	di on	75	0	100	0	19.79	19.79	22.80	22.60	0.182
	18929	1882.9	19100	1900.0	QPSK	1	74	1	0	21.05	19.99	23.57	23.37	0.217
	10020	1002.0	10100	1000.0	di on	75	0	100	0	19.98	20.08	23.04	22.84	0.192
	18678	1857.8	18849	1874.9	16QAM	1	74	1	0	21.15	19.89	23.57	23.37	0.217
	10070	1007.0	10040	1074.0	1000/11/1	75	0	100	0	19.11	19.10	22.11	21.91	0.155
15MHz+	18803	1870.3	18974	1887.4	37.4 16QAM	1	74	1	0	20.92	21.72	24.35	24.15	0.260
20MHz	10000	107 0.0	10074	1007.4	1000/111	75	0	100	0	18.79	18.80	21.81	21.61	0.145
	18929	1882.9	19100	1900.0	16QAM	1	74	1	0	20.26	21.16	23.74	23.54	0.226
	10020	1002.0	10100	1000.0	1000/111	75	0	100	0	18.97	19.12	22.06	21.86	0.153
	18678	1857.8	18849	1874.9	64QAM	1	74	1	0	18.73	18.07	21.42	21.22	0.132
	10010	1007.0	10010	107 1.0	0100/111	75	0	100	0	17.74	18.63	21.22	21.02	0.126
15MHz+	18803	1870.3	18974	1887.4	64QAM	1	74	1	0	19.05	19.35	22.21	22.01	0.159
20MHz	10000	1070.0	10074	1007.4		75	0	100	0	18.25	17.33	20.83	20.63	0.116
	18929	1882.9	19100	1900.0	64QAM	1	74	1	0	18.75	18.63	21.70	21.50	0.141
	10020	1002.0	10100	1000.0	0100/111	75	0	100	0	17.67	18.61	21.18	20.98	0.125
	18678	1857.8	18849	1874.9	256QAM	1	74	1	0	17.19	17.73	20.48	20.28	0.107
	10010	1007.0	10010	107 1.0	20000/111	75	0	100	0	17.13	17.12	20.14	19.94	0.099
15MHz+	18803	1870.3	18974	1887.4	256QAM	1	74	1	0	18.33	15.92	20.30	20.10	0.102
20MHz	10000	10/0.0	1007 1	1007.1	20030111	75	0	100	0	16.81	16.85	19.84	19.64	0.092
	18929	1882.9	19100	1900.0	256QAM	1	74	1	0	17.33	17.60	20.47	20.27	0.106
	10020	1002.0	10100	1000.0	20000111	75	0	100	0	17.15	17.29	20.23	20.03	0.101

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Part 24 _ EIF	RP Limit (V	Ŋ	2	ſ								4 E MI I_\		
Antenna Gai	n		-0.2			001P	UTPOW	ERFU	KLIE B/	and 2C ()		TOWHZ)		
	PC	20	sc	·C1		PCC		S	CC1	0	Conducte	d	EIRP	EIRP
Bandwidth	гч				Modulation		RB		RB		Average (dBm)			Average
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset	PCC	SCC1	Total	(dBm)	(W)
	18700	1860.0	18871	1877.1	QPSK	1	99	1	0	20.87	20.93	23.91	23.71	0.235
	10700	1000.0	10071	1077.1	QION	100	0	75	0	20.75	19.67	23.25	23.05	0.202
20MHz+	18826	1872.6	18997	1889.7	QPSK	1	99	1	0	21.41	22.50	25.00	24.80	0.302
15MHz	10020	1072.0	10557	1003.7	QUON	100	0	75	0	19.91	19.87	22.90	22.70	0.186
	18951	1885.1	19122	1902.2	QPSK	1	99	1	0	20.14	20.14	23.15	22.95	0.197
	10001	1000.1	13122	1302.2	QUOIN	100	0	75	0	20.06	20.19	23.13	22.93	0.196
	18700	1860.0	18871	1877.1	16QAM	1	99	1	0	20.28	19.86	23.08	22.88	0.194
	10/00	1000.0	10071	1077.1	TUQAIN	100	0	75	0	19.13	19.17	22.16	21.96	0.157
20MHz+	18826	1872.6	18997	1889.7	16QAM	1	99	1	0	21.58	20.39	24.03	23.83	0.242
15MHz	10020	1072.0	10007	1000.1	1030 111	100	0	75	0	18.75	18.83	21.80	21.60	0.145
	18951	1885.1	19122	1902.2	16QAM	1	99	1	0	19.48	19.30	22.40	22.20	0.166
	10001	1000.1	10122	1502.2	1000/1111	100	0	75	0	19.03	19.19	22.12	21.92	0.156
	18700	1860.0	18871	1877.1	64QAM	1	99	1	0	17.05	18.27	20.71	20.51	0.112
	10/00	1000.0	10071	10/7.1		100	0	75	0	18.17	18.19	21.19	20.99	0.126
20MHz+	18826	1872.6	18997	1889.7	64QAM	1	99	1	0	18.45	18.32	21.40	21.20	0.132
15MHz	10020	1072.0	10007	1000.1		100	0	75	0	18.37	17.40	20.92	20.72	0.118
	18951	1885.1	19122	1902.2	64QAM	1	99	1	0	16.82	16.83	19.83	19.63	0.092
	10001	1000.1	10122	1002.2		100	0	75	0	17.54	18.63	21.13	20.93	0.124
	18700	1860.0	18871	1877.1	256QAM	1	99	1	0	16.65	16.90	19.79	19.59	0.091
	10/00	1000.0	10071	1077.1	200000	100	0	75	0	17.19	17.22	20.21	20.01	0.100
20MHz+	18826	1872.6	18997	1889.7	256QAM	1	99	1	0	17.38	17.19	20.30	20.10	0.102
15MHz	10020	1012.0	10337	1003.1	2000001111	100	0	75	0	16.93	16.92	19.94	19.74	0.094
	18951	1885.1	19122	1902.2	256QAM	1	99	1	0	16.35	15.68	19.04	18.84	0.077
	10001	1000.1	13122	1002.2		100	0	75	0	17.02	17.17	20.11	19.91	0.098

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Total

23.88

EIRP

Average

(dBm)

23.68

EIRP

Average

(W)

0.233

(W)

0.058

0.095

0.059

0.095

0.059

0.058

0.054

0.054

0.056

0.001

0.055

0.037

0.037

0.037

0.037

0.038

0.037

Conducted

Average (dBm)

SCC1

20.34

OUTPUT POWER FOR LTE BAND 2C (20MHz + 20MHz)

SCC1

RB

Offset

0

PCC

21.34

Size

1



Part 24 _ EIRP Limit (W)

PCC

MHz

Earfcn

Antenna Gain

Bandwidth

20MHz+

20MHz

20MHz+

20MHz

20MHz+

20MHz

20MHz+

20MHz

Bandwidth

5MHz+

10MHz

5MHz+

10MHz

5MHz+

10MHz

5MHz+

10MHz

20478

20528

20428

20478

20528

20428

20478

20528

831.8

836.8

826.8

831.8

836.8

826.8

831.8

836.8

20550

20600

20500

20550

20600

20500

20550

20600

839.0

844 0

834.0

839.0

844.0

834.0

839.0

844 0

2

-0.2

Earfcn

SCC1

MHz

18700 1860.0 18898 1879.8 **QPSK** 100 100 20.04 0 20.00 23.03 22.83 0.192 0 1 99 1 0 21.11 22.11 24.65 24.45 0.279 1870.1 **QPSK** 18801 18999 1889.9 100 0 100 0 19.80 19.82 22.82 22.62 0.183 1 99 1 0 21.15 20.09 23.66 23.46 0.222 18902 1880.2 19100 1900.0 **QPSK** 100 100 20.04 0 20.16 22.91 0.195 0 23.11 22.92 99 0 19.72 20.47 23.12 0.196 1 1 18700 1860.0 18898 1879.8 16QAM 100 100 0 0 19.15 19.09 22.13 21.93 0.156 1 99 1 0 21.30 20.84 24.09 0.245 23.89 18801 1870.1 1889.9 18999 16QAM 100 100 0 18.78 21.85 21.65 0 18.91 0.146 0 1 99 1 20.20 19.95 23.09 22.89 0.195 18902 1880.2 19100 1900.0 16QAM 100 0 100 0 19.10 19.30 22.01 0.159 22.21 1 99 1 0 17.81 18.08 20.96 20.76 0.119 18700 1860.0 18898 1879.8 64QAM 100 100 0 18.23 0 18.19 21.22 21.02 0.126 99 0 18.01 18.33 21.19 20.99 0.126 1 1 18801 1870.1 18999 1889.9 64QAM 100 17.32 0 100 0 18.45 20.93 20.73 0.118 0 17.90 17.69 20.80 20.60 99 0.115 1 1 18902 1880.2 19100 1900.0 64QAM 100 0 100 0 18.17 18.30 21.25 21.05 0.127 99 0 20.00 19.80 0.095 16.97 17.00 1 1 18700 1860.0 18898 1879.8 256QAM 100 0 100 0 17.19 17.20 20.21 20.01 0.100 1 99 1 0 17.12 17.09 20.12 19.92 0.098 18801 1870.1 18999 1889.9 256QAM 100 0 100 0 17.07 16.99 20.04 19.84 0.096 1 99 0 17.14 16.95 20.06 19.86 0.097 1 18902 1880.2 19100 1900.0 256QAM 100 0 100 0 17.67 16.75 20.24 20.04 0.101 Part 22 / RSS 132 ERP Limit (W) 7 OUTPUT POWER FOR LTE BAND 5B (5MHz + 10MHz) Antenna Gain -2.4 PCC SCC1 Conducted EIRP ERP ERP PCC SCC1 Modulation RB RB Average (dBm) Average Average Average Earfcn MHz MHz Size Size Offset PCC Earfcn Offset SCC1 Total (dBm) (dBm) 1 24 0 21.93 23.24 24.93 22.53 20.38 0.109 1 20428 826.8 20500 834.0 **QPSK** 20.79 18.64 0.073 25 0 50 0 20.23 20.19 23.19 24 0 21.96 22.93 24.94 22 54 20.39 0 109 1 1 20478 831.8 20550 839.0 QPSK 20.74 25 0 50 0 20.12 23.14 18.59 0.072 21.35 1 24 0 23.31 24.95 22.55 20.40 0.110 1 20528 836.8 20600 844.0 QPSK 25 0 50 0 20.19 23.20 20.80 18.65 0.073 21.55 19.22 1 24 0 24.73 22.33 0.104 97 20.18 20428 826.8 20500 834.0 16QAM

PCC

RB

Offset

99

Size

1

Modulation

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25

1

25

1

25

1

25

1

25

1

25

25

1

25

1

25

16QAM

160AM

64QAM

64QAM

64QAM

256QAM

256QAM

256QAM

0

24

0

24

0

24

0

24

0

24

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24

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0

0

0

0

0

0

20.94

21.59

19 27

19.41

18.97

18.95

19.08

19.56

18 92

17.38

17.30

17.48

17.30

17 28

17.26

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19 16

22.53

19.24

22.19

19 24

19.95

18.8

20.08

18.97

20.26

18.97

18.22

17.28

18.19

17.15

18.60

17.21

22 16

24.31

22.25

24.34

22.23

22.16

21.90

21.88

22.01

2.23

21.93

20.27

20.27

20.19

20.21

20.34

20.23

19.76

21.91

19.85

21.94

19.83

19.76

19.50

19.48

19.61

-0.17

19.53

17.87

17.87

17.79

17 81

17.94

17.83

17 61

19.76

17.70

19.79

17.68

17.61

17.35

17.33

17.46

-2.32

17.38

15.72

15.72

15.64

15 66

15.79

15.68

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Part 22 / RSS 132_ ERP Limit (W)

7

OUTPUT POWER FOR LTE BAND 5B (10MHz + 5MHz)

Antenna Gai		<u> </u>	-2.4			00						z + 5MHz)	<u>l</u>		
	DC	ic.	50	24		P	00	SC	C1	C	Conducte	d	EIRP	ERP	ERP
Bandwidth	PC	,L	SCO	51	Modulation	R	B	R	В	Ave	erage (dE	Bm)	Average	Average	Average
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset	PCC	SCC1	Total	(dBm)	(dBm)	(W)
	20450	829.0	20522	836.2	QPSK	1	49	1	0	22.98	21.90	24.91	22.51	20.36	0.109
40141	20400	020.0	LUULL	000.2	QION	50	0	25	0	20.28	20.17	23.21	20.81	18.66	0.073
10MHz+ 5MHz	20500	834.0	20572	841.2	QPSK	1 50	49 0	1 25	0	22.73 20.19	22.45	24.95	22.55 20.74	20.40 18.59	0.110
						50 1	49	 1	0	23.09	20.12 21.17	23.14 24.73	20.74	20.18	0.072
	20550	839.0	20622	846.2	QPSK	50	0	25	0	20.28	20.16	23.21	20.81	18.66	0.073
	20450	829.0	20522	836.2	16QAM	1	49	1	0	22.69	21.33	24.40	22.00	19.85	0.097
	20430	029.0	20522	030.2	TOQAIVI	50	0	25	0	19.29	19.20	22.23	19.83	17.68	0.059
10MHz+	20500	834.0	20572	841.2	16QAM	1	49	1	0	22.06	21.35	24.13	21.73	19.58	0.091
5MHz				••••		50	0 49	25	0	19.36	19.14	22.24	19.84	17.69	0.059
	20550	839.0	20622	846.2	16QAM	1 50	49 0	1 25	0	21.90 19.22	21.35 19.10	24.14 22.14	21.74 19.74	<u>19.59</u> 17.59	0.091
						1	49	1	0	20.17	18.72	21.92	19.52	17.37	0.055
	20450	829.0	20522	836.2	64QAM	50	0	25	0	18.92	18.85	21.88	19.48	17.33	0.054
10MHz+	20500	834.0	20572	841.2	64QAM	1	49	1	0	20.05	18.94	21.98	19.58	17.43	0.055
5MHz	20300	034.0	20372	041.2		50	0	25	0	19.02	18.99	21.99	19.59	17.44	0.055
	20550	839.0	20622	846.2	64QAM	1	49	1	0	19.56	18.27	21.29	18.89	16.74	0.047
						50	0	25	0	20.01	17.83	22.04	19.64	17.49	0.056
	20450	829.0	20522	836.2	256QAM	1 50	49 0	1 25	0	18.59 17.33	17.34 17.23	20.41 20.27	18.01 17.87	15.86 15.72	0.039 0.037
10MHz+						1	49	25	0	18.00	17.25	20.27	17.80	15.65	0.037
5MHz	20500	834.0	20572	841.2	256QAM	50	0	25	0	17.25	17.07	20.20	17.74	15.59	0.036
011112	00550	000.0	00000	040.0	0500 414	1	49	1	0	18.05	17.31	20.17	17.77	15.62	0.036
	20550	839.0	20622	846.2	256QAM	50	0	25	0	17.30	17.16	20.21	17.81	15.66	0.037
Part 22 / RSS	6 132_ ERP	Limit (W)	7			011	ים דווסי					z + 10MH:	-)		
Antenna Gai	n		-2.4		1								÷		
	PC	c	SC	C1			CC		C1		Conducte		EIRP	ERP	ERP
Bandwidth		-		-	Modulation		RB		B		erage (d	-	Average	Average	Average
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset	PCC	SCC1	Total	(dBm)	(dBm)	(W)
	20450	829.0	20549	838.9					•	00.00	00.40	05 10	00 70		0 4 4 0
10MHz+				000.0	QPSK	1	49	1	0	22.20	22.16	25.19	22.79	20.64	0.116
10MHz	20476			000.0		50	0	50	0	20.22	20.12	23.18	20.78	20.64 18.63	0.073
. on the		831.6	20575	841.5	QPSK QPSK	50 1	0 49	50 1	0	20.22 22.29	20.12 22.30	23.18 25.31	20.78 22.91	20.64 18.63 20.76	0.073 0.119
				841.5	QPSK	50	0 49 0	50	0	20.22 22.29 20.17	20.12 22.30 20.12	23.18 25.31 23.16	20.78 22.91 20.76	20.64 18.63 20.76 18.61	0.073 0.119 0.073
	20501	831.6 834.1	20575 20600			50 1 50	0 49	50 1 50	0 0 0	20.22 22.29	20.12 22.30	23.18 25.31	20.78 22.91	20.64 18.63 20.76	0.073 0.119
	20501	834.1	20600	841.5 844.0	QPSK QPSK	50 1 50 1 50 1 50	0 49 0 49	50 1 50 1 50 1 50	0 0 0 0 0 0	20.22 22.29 20.17 22.12 20.22 21.42	20.12 22.30 20.12 22.11	23.18 25.31 23.16 25.13 23.16 23.16 24.17	20.78 22.91 20.76 22.73 20.76 21.77	20.64 18.63 20.76 18.61 20.58 18.61 19.62	0.073 0.119 0.073 0.114 0.073 0.092
				841.5	QPSK	50 1 50 1 50 1 50 50	0 49 0 49 0 49 0 49 0	50 1 50 1 50 1 50 50	0 0 0 0 0 0 0	20.22 22.29 20.17 22.12 20.22 21.42 19.02	20.12 22.30 20.12 22.11 20.07 20.88 18.91	23.18 25.31 23.16 25.13 23.16 24.17 21.98	20.78 22.91 20.76 22.73 20.76 21.77 19.58	20.64 18.63 20.76 18.61 20.58 18.61 19.62 17.43	0.073 0.119 0.073 0.114 0.073 0.092 0.055
10MHz+	20501	834.1	20600	841.5 844.0	QPSK QPSK	50 1 50 1 50 1 50 1 50 1	0 49 0 49 0 49 0 49 0 49	50 1 50 1 50 1 50 1 50 1	0 0 0 0 0 0 0 0	20.22 22.29 20.17 22.12 20.22 21.42 19.02 21.29	20.12 22.30 20.12 22.11 20.07 20.88 18.91 21.26	23.18 25.31 23.16 25.13 23.16 24.17 21.98 24.28	20.78 22.91 20.76 22.73 20.76 21.77 19.58 21.88	20.64 18.63 20.76 18.61 20.58 18.61 19.62 17.43 19.73	0.073 0.119 0.073 0.114 0.073 0.092 0.055 0.094
10MHz+ 10MHz	20501 20450	834.1 829.0	20600 20549	841.5 844.0 838.9	QPSK QPSK 16QAM	50 1 50 1 50 1 50 1 50 1 50	0 49 0 49 0 49 0 49 0 49 0	50 1 50 1 50 1 50 1 50 1 50	0 0 0 0 0 0 0 0 0	20.22 22.29 20.17 22.12 20.22 21.42 19.02 21.29 18.98	20.12 22.30 20.12 22.11 20.07 20.88 18.91 21.26 18.87	23.18 25.31 23.16 25.13 23.16 24.17 21.98 24.28 21.93	20.78 22.91 20.76 22.73 20.76 21.77 19.58 21.88 19.53	20.64 18.63 20.76 18.61 20.58 18.61 19.62 17.43 19.73 17.38	0.073 0.119 0.073 0.114 0.073 0.092 0.055 0.094 0.055
	20501 20450	834.1 829.0	20600 20549	841.5 844.0 838.9	QPSK QPSK 16QAM	50 1 50 1 50 1 50 1 50 1 50 1	0 49 0 49 0 49 0 49 0 49 0 49	50 1 50 1 50 1 50 1 50 1 50 1	0 0 0 0 0 0 0 0 0 0 0 0	20.22 22.29 20.17 22.12 20.22 21.42 19.02 21.29 18.98 21.24	20.12 22.30 20.12 22.11 20.07 20.88 18.91 21.26 18.87 20.85	23.18 25.31 23.16 25.13 23.16 24.17 21.98 24.28 21.93 24.06	20.78 22.91 20.76 22.73 20.76 21.77 19.58 21.88 19.53 21.66	20.64 18.63 20.76 18.61 20.58 18.61 19.62 17.43 19.73 17.38 19.51	0.073 0.119 0.073 0.114 0.073 0.092 0.055 0.094 0.055 0.089
	20501 20450 20476 20501	834.1 829.0 831.6 834.1	20600 20549 20575 20600	841.5 844.0 838.9 841.5 844.0	QPSK QPSK 16QAM 16QAM 16QAM	50 1 50 1 50 1 50 1 50 1 50 1 50	0 49 0 49 0 49 0 49 0 49 0	50 1 50 1 50 1 50 1 50 1 50	0 0 0 0 0 0 0 0 0 0 0 0 0	20.22 22.29 20.17 22.12 20.22 21.42 19.02 21.29 18.98 21.24 18.96	20.12 22.30 20.12 22.11 20.07 20.88 18.91 21.26 18.87 20.85 18.86	23.18 25.31 23.16 25.13 23.16 24.17 21.98 24.28 21.93 24.06 21.92	20.78 22.91 20.76 22.73 20.76 21.77 19.58 21.88 19.53 21.66 19.52	20.64 18.63 20.76 18.61 20.58 18.61 19.62 17.43 19.73 17.38 19.51 17.37	0.073 0.119 0.073 0.114 0.073 0.092 0.055 0.094 0.055 0.089 0.055
	20501 20450 20476	834.1 829.0 831.6	20600 20549 20575	841.5 844.0 838.9 841.5	QPSK QPSK 16QAM 16QAM	50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 50 1 50 50 1 50 50 1 50 50 1 50 50 1 50 50 1 50 50 1 50 50 1 50 50 1 50 50 1 50 50 1 50 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 50 1 50 50 1 50 50 50 50 50 50 50 50 50 50	0 49 0 49 0 49 0 49 0 49 0 49 0 49	50 1 50 1 50 1 50 1 50 1 50 1 50 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0	20.22 22.29 20.17 22.12 20.22 21.42 19.02 21.29 18.98 21.24 18.96 19.06	20.12 22.30 20.12 22.11 20.07 20.88 18.91 21.26 18.87 20.85 18.86 18.82	23.18 25.31 23.16 25.13 23.16 24.17 21.98 24.28 21.93 24.06 21.92 21.95	20.78 22.91 20.76 22.73 20.76 21.77 19.58 21.88 19.53 21.66 19.52 19.55	20.64 18.63 20.76 18.61 20.58 18.61 19.62 17.43 19.73 17.38 19.51 17.37 17.40	0.073 0.119 0.073 0.114 0.073 0.092 0.055 0.094 0.055 0.089 0.055 0.055
	20501 20450 20476 20501 20450	834.1 829.0 831.6 834.1 829.0	20600 20549 20575 20600 20549	841.5 844.0 838.9 841.5 844.0 838.9	QPSK QPSK 16QAM 16QAM 16QAM 64QAM	50 1 50 1 50 1 50 1 50 1 50 1 50	0 49 0 49 0 49 0 49 0 49 0	50 1 50 1 50 1 50 1 50 1 50	0 0 0 0 0 0 0 0 0 0 0 0 0	20.22 22.29 20.17 22.12 20.22 21.42 19.02 21.29 18.98 21.24 18.96	20.12 22.30 20.12 22.11 20.07 20.88 18.91 21.26 18.87 20.85 18.86	23.18 25.31 23.16 25.13 23.16 24.17 21.98 24.28 21.93 24.06 21.92	20.78 22.91 20.76 22.73 20.76 21.77 19.58 21.88 19.53 21.66 19.52	20.64 18.63 20.76 18.61 20.58 18.61 19.62 17.43 19.73 17.38 19.51 17.37	0.073 0.119 0.073 0.114 0.073 0.092 0.055 0.094 0.055 0.089 0.055
10MHz	20501 20450 20476 20501	834.1 829.0 831.6 834.1	20600 20549 20575 20600	841.5 844.0 838.9 841.5 844.0	QPSK QPSK 16QAM 16QAM 16QAM	50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 50 50 50 50 50 50 50 50 50	0 49 0 49 0 49 0 49 0 49 0 49 0 49 0 49	50 1 50 1 50 1 50 1 50 1 50 1 50 1 50	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	20.22 22.29 20.17 22.12 20.22 21.42 19.02 21.29 18.98 21.24 18.96 19.06 19.08 18.45 18.57	20.12 22.30 20.12 22.11 20.07 20.88 18.91 21.26 18.87 20.85 18.86 18.82 18.06	23.18 25.31 23.16 25.13 23.16 24.17 21.98 24.28 21.93 24.06 21.92 21.95 21.61 21.75 21.54	20.78 22.91 20.76 22.73 20.76 21.77 19.58 21.88 19.53 21.66 19.52 19.55 19.21 19.35 19.14	20.64 18.63 20.76 18.61 20.58 18.61 19.62 17.43 17.38 19.51 17.37 17.37 17.40 17.06 17.20 16.99	0.073 0.119 0.073 0.114 0.073 0.092 0.055 0.094 0.055 0.089 0.055 0.055 0.055 0.055 0.055 0.051 0.052 0.050
10MHz 10MHz+	20501 20450 20476 20501 20450 20476	834.1 829.0 831.6 834.1 829.0 831.6	20600 20549 20575 20600 20549 20575	841.5 844.0 838.9 841.5 844.0 838.9 841.5	QPSK QPSK 16QAM 16QAM 16QAM 64QAM 64QAM	$ \begin{array}{r} 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1$	0 49 0 49 0 49 0 49 0 49 0 49 0 49 0 49	50 1 50 1 50 1 50 1 50 1 50 1 50 1 50 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	20.22 22.29 20.17 22.12 20.22 21.42 19.02 21.29 18.98 21.24 18.96 19.06 19.08 18.45 18.57 19.04	20.12 22.30 20.12 22.11 20.07 20.88 18.91 21.26 18.87 20.85 18.86 18.82 18.06 19.01 18.49 18.88	23.18 25.31 23.16 25.13 23.16 24.17 21.98 24.28 21.93 24.06 21.92 21.95 21.61 21.75 21.54 21.97	20.78 22.91 20.76 22.73 20.76 21.77 19.58 21.88 19.53 21.66 19.52 19.55 19.21 19.35 19.21 19.35 19.14 19.57	20.64 18.63 20.76 18.61 20.58 18.61 19.62 17.43 17.38 19.51 17.37 17.40 17.06 17.20 16.99 17.42	0.073 0.119 0.073 0.114 0.073 0.092 0.055 0.094 0.055 0.089 0.055 0.055 0.055 0.055 0.055 0.051 0.052 0.050
10MHz 10MHz+	20501 20450 20476 20501 20450	834.1 829.0 831.6 834.1 829.0	20600 20549 20575 20600 20549	841.5 844.0 838.9 841.5 844.0 838.9	QPSK QPSK 16QAM 16QAM 16QAM 64QAM	$ \begin{array}{r} 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 1 \\ 50 \\ 1 \\ 1 \\ 50 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\$	0 49 0 49 0 49 0 49 0 49 0 49 0 49 0 49	$ \begin{array}{r} 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50$	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	20.22 22.29 20.17 22.12 20.22 21.42 19.02 21.29 18.98 21.24 18.96 19.06 19.08 18.45 18.57 19.04 18.62	20.12 22.30 20.12 22.11 20.07 20.88 18.91 21.26 18.87 20.85 18.86 18.82 18.06 19.01 18.49 18.88 18.47	23.18 25.31 23.16 25.13 23.16 24.17 21.98 24.28 21.93 24.06 21.92 21.95 21.61 21.75 21.54 21.97 21.56	20.78 22.91 20.76 22.73 20.76 21.77 19.58 21.88 19.53 21.66 19.52 19.55 19.21 19.35 19.21 19.35 19.14 19.57 19.16	20.64 18.63 20.76 18.61 20.58 18.61 19.62 17.43 17.38 19.51 17.37 17.40 17.06 17.20 16.99 17.42 17.01	0.073 0.119 0.073 0.114 0.073 0.092 0.055 0.094 0.055 0.089 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055
10MHz 10MHz+	20501 20450 20476 20501 20450 20476	834.1 829.0 831.6 834.1 829.0 831.6	20600 20549 20575 20600 20549 20575	841.5 844.0 838.9 841.5 844.0 838.9 841.5	QPSK QPSK 16QAM 16QAM 16QAM 64QAM 64QAM	$ \begin{array}{r} 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1$	0 49 0 49 0 49 0 49 0 49 0 49 0 49 0 49	$ \begin{array}{r} 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1 \\ 50 \\ 1$	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	20.22 22.29 20.17 22.12 20.22 21.42 19.02 21.29 18.98 21.24 18.96 19.06 19.08 18.45 18.57 19.04 18.62 17.97	20.12 22.30 20.12 22.11 20.07 20.88 18.91 21.26 18.87 20.85 18.86 18.82 18.06 19.01 18.49 18.88 18.47 17.05	23.18 25.31 23.16 25.13 23.16 24.17 21.98 24.28 21.93 24.06 21.92 21.95 21.61 21.75 21.54 21.97 21.56 20.55	20.78 22.91 20.76 22.73 20.76 21.77 19.58 21.88 19.53 21.66 19.52 19.55 19.21 19.35 19.14 19.35 19.14 19.57 19.16 18.15	20.64 18.63 20.76 18.61 20.58 18.61 19.62 17.43 17.38 19.51 17.37 17.40 17.06 17.20 16.99 17.42 17.01 16.00	0.073 0.119 0.073 0.114 0.073 0.092 0.055 0.094 0.055 0.094 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055
10MHz 10MHz+ 10MHz	20501 20450 20476 20501 20450 20476 20501 20450	834.1 829.0 831.6 834.1 829.0 831.6 834.1	20600 20549 20575 20600 20549 20575 20600	841.5 844.0 838.9 841.5 844.0 838.9 841.5 844.0	QPSK QPSK 16QAM 16QAM 16QAM 64QAM 64QAM	$\begin{array}{c} 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 50\\ 1\\ 50\\ 50\\ 1\\ 50\\ 50\\ 50\\ 50\\ 50\\ 50\\ 50\\ 50\\ 50\\ 50$	0 49 0 49 0 49 0 49 0 49 0 49 0 49 0 49	$\begin{array}{c} 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 1\\ 50\\ 1\\ 1\\ 50\\ 1\\ 1\\ 50\\ 1\\ 50\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\$	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	20.22 22.29 20.17 22.12 20.22 21.42 19.02 21.29 18.98 21.24 18.96 19.06 19.08 18.45 18.57 19.04 18.62 17.97 17.01	20.12 22.30 20.12 22.11 20.07 20.88 18.91 21.26 18.87 20.85 18.86 18.82 18.06 19.01 18.49 18.88 18.47 17.05 16.89	23.18 25.31 23.16 25.13 23.16 24.17 21.98 24.28 21.93 24.06 21.92 21.95 21.61 21.75 21.54 21.97 21.56 20.55 19.96	20.78 22.91 20.76 22.73 20.76 21.77 19.58 21.88 19.53 21.66 19.52 19.55 19.21 19.35 19.14 19.57 19.14 19.57 19.16 18.15 17.56	20.64 18.63 20.76 18.61 20.58 18.61 19.62 17.43 17.38 19.51 17.37 17.40 17.06 17.20 16.99 17.42 17.01 16.00 15.41	0.073 0.119 0.073 0.114 0.073 0.092 0.055 0.094 0.055 0.089 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.050 0.050 0.040 0.035
10MHz 10MHz+ 10MHz 10MHz+	20501 20450 20476 20501 20450 20476 20501	834.1 829.0 831.6 834.1 829.0 831.6 834.1	20600 20549 20575 20600 20549 20575 20600	841.5 844.0 838.9 841.5 844.0 838.9 841.5 844.0	QPSK QPSK 16QAM 16QAM 16QAM 64QAM 64QAM	$\begin{array}{c} 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 1\\ 50\\ 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19.62 17.43 17.38 19.51 17.37 17.40 17.06 17.20 16.99 17.42 17.01 16.00 15.41 15.61	0.073 0.119 0.073 0.114 0.073 0.092 0.055 0.094 0.055 0.089 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 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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 90 days only.

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Part 27 / RSS 199_ EIRP Limit (W) 2 OUTPUT POWER FOR LTE BAND 7C (10MHz + 20MHz) Antenna Gain -1.1 PCC EIRP EIRP SCC1 Conducted PCC SCC1 Modulation Bandwidth RB RB Average (dBm) Average Average MHz MHz Size Offset Size Offset PCC SCC1 Earfcn Earfcn Total (dBm) (W) 23.09 22.91 49 20.57 24.01 0.195 0 20805 2505.5 20949 2519.9 QPSK 19.99 19.99 100 22.97 50 0 0 21.87 0.154 23.87 10MHz+ 1 49 1 0 21.78 24.81 23.71 0.235 21006 2525.6 21150 2540.0 **QPSK** 20MHz 50 0 100 0 20.08 19.95 23.00 21.90 0.155 49 0 23.37 24.26 23.16 0.207 1 1 21.25 21206 2545.6 21350 2560.0 **QPSK** 50 0 100 0 19.85 19.67 22.75 21.65 0.146 49 0 22.05 23.13 22.03 0.160 1 1 20.14 20805 2505.5 20949 2519.9 16QAM 50 100 20.93 0.124 0 0 19.03 19.06 22.03 10MHz+ 49 0.209 1 1 0 21.76 23.01 24.31 23.21 21006 2525.6 21150 2540.0 16QAM 20MHz 50 20.99 0.126 0 100 0 19.17 19.04 22.09 49 1 0 20.37 22.38 23.51 22.41 0.174 1 21206 2545.6 21350 2560.0 16QAM 50 0 100 0 18.80 18.72 21.74 20.64 0.116 49 1 0 17.83 19.63 20.71 19.61 0.091 1 20805 2505.5 20949 2519.9 64QAM 50 0 100 0 18.09 18.02 21.04 19.94 0.099 10MHz+ 1 49 1 0 19.03 20.39 21.60 20.50 0.112 21006 2525.6 2540.0 64QAM 21150 20MHz 50 0 100 0 18.31 18.00 21.14 20.04 0.101 49 0 17.85 19.71 20.90 19.80 0.095 1 1 21206 2545.6 2560.0 21350 64QAM 50 100 0.094 0 0 17.44 18.25 20.85 19.75 1 49 1 0 16.87 18.64 19.75 18.65 0.073 20805 2505.5 20949 2519.9 256QAM 100 50 0 0 17.11 17.12 20.10 19.00 0.079 10MHz+ 49 20.28 19.18 0.083 1 1 0 17.29 19.08 21006 2525.6 2540.0 21150 256QAM 20MHz 50 0 100 0 17.11 17.03 20.05 18.95 0.079 49 1 0 16.96 18.91 19.88 18.78 0.076 1 21206 2545.6 21350 2560.0 256QAM 50 0 100 0 16.44 17.26 19.86 18.76 0.075

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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Part 27 / RSS 199_ EIRP Limit (W) 2 OUTPUT POWER FOR LTE BAND 7C (15MHz + 15MHz) Antenna Gain -1.1 PCC EIRP EIRP SCC1 Conducted PCC SCC1 Modulation Bandwidth RB RB Average (dBm) Average Average Size SCC1 MHz MHz Offset Size Offset PCC Earfcn Earfcn (dBm) Total (W) 24.06 22.96 74 21.50 20.56 0.198 0 20825 2507.5 20975 2522.5 QPSK 19.97 19.86 22.93 75 0 75 0 21.83 0.152 74 21.19 23.10 15MHz+ 1 1 0 21.19 24.20 0.204 21025 2527.5 21175 2542.5 **QPSK** 15MHz 75 0 75 0 19.86 19.77 22.82 21.72 0.149 74 0 21.78 24.78 23.68 0.233 1 1 21.76 21225 2547.5 21375 2562.5 **QPSK** 75 0 75 0 19.84 19.56 22.71 21.61 0.145 74 0 20.55 23.35 22.25 0.168 1 1 20.11 20825 2507.5 20975 2522.5 16QAM 75 0 75 20.75 0.119 0 18.86 18.82 21.85 15MHz+ 74 22.27 0.169 1 1 0 20.26 20.46 23.37 21025 2527.5 21175 2542.5 16QAM 15MHz 75 20.64 0.116 0 75 0 18.75 18.71 21.74 1 74 1 0 21.24 20.64 23.96 22.86 0.193 21225 2547.5 21375 2562.5 16QAM 75 0 75 0 18.80 18.54 21.68 20.58 0.114 1 74 1 0 17.77 17.93 20.86 19.76 0.095 20825 2507.5 20975 2522.5 64QAM 75 0 75 0 17.95 17.78 20.87 19.77 0.095 15MHz+ 1 74 1 0 17.59 17.95 20.79 19.69 0.093 21025 2527.5 21175 2542.5 64QAM 15MHz 75 0 75 0 17.25 18.10 20.71 19.61 0.091 1 74 1 0 18.28 18.01 21.16 0.101 20.06 21225 2547.5 2562.5 21375 64QAM 0.091 75 0 75 0 17.76 17.64 20.71 19.61 16.34 1 74 1 0 16.74 19.55 18.45 0.070 20825 2507.5 20975 2522.5 256QAM 75 0 75 0 16.86 16.82 19.85 18.75 0.075 19.77 18.67 0.074 15MHz+ 1 74 1 0 16.78 16.74 21025 2527.5 2542.5 21175 256QAM 15MHz 75 0 75 0 16.83 16.67 19.76 18.66 0.073 1 74 1 0 16.96 17.13 20.06 18.96 0.079 21225 2547.5 21375 2562.5 256QAM 75 0 75 0 16.84 16.60 19.74 18.64 0.073

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Part 27 / RSS 199_ EIRP Limit (W) 2 OUTPUT POWER FOR LTE BAND 7C (20MHz + 10MHz) Antenna Gain -1.1 PCC EIRP EIRP SCC1 Conducted PCC SCC1 Modulation Bandwidth RB RB Average (dBm) Average Average MHz MHz Size Offset Size Offset PCC SCC1 Earfcn Earfcn (dBm) Total (W) 22.34 24.84 99 23.35 23.74 0.237 0 20850 2510.0 20994 2524.4 QPSK 20.03 100 23.07 21.97 0 50 0 20.14 0.157 20MHz+ 99 2.92 20.88 22.80 1 1 0 23.90 0.191 21051 2530.1 21195 2544.5 **QPSK** 10MHz 100 0 50 0 19.88 19.64 22.75 21.65 0.146 99 0 24.28 21.01 25.04 23.94 0.248 1 1 21251 2550.1 21395 2564.5 **QPSK** 100 0 50 0 19.79 22.89 21.79 0.151 20.01 99 0 22.96 20.96 23.88 22.78 0.190 1 1 20850 2510.0 20994 2524.4 16QAM 100 20.94 0.124 0 50 0 19.14 18.96 22.04 20MHz+ 99 22.15 0.164 1 1 0 22.33 19.59 23.25 21051 2530.1 21195 2544.5 16QAM 10MHz 100 20.53 0.113 0 50 0 18.77 18.52 21.63 1 99 1 0 23.10 21.08 24.15 23.05 0.202 21251 2550.1 21395 2564.5 16QAM 100 0 50 0 18.89 18.67 21.77 20.67 0.117 1 99 1 0 20.10 18.40 21.25 20.15 0.104 20850 2510.0 20994 2524.4 64QAM 100 0 50 0 18.14 17.90 21.01 19.91 0.098 19.31 20MHz+ 1 99 1 0 18.01 20.52 19.42 0.087 21051 2530.1 2544.5 64QAM 21195 10MHz 100 0 50 0 18.31 17.07 20.72 19.62 0.092 99 1 0 20.74 18.63 21.74 0.116 1 20.64 21251 2550.1 21395 2564.5 64QAM 100 0.092 0 50 0 17.41 18.06 20.73 19.63 1 99 1 0 18.99 17.22 20.02 18.92 0.078 20850 2510.0 20994 2524.4 256QAM 100 0 50 0 17.10 16.99 20.03 18.93 0.078 20MHz+ 99 18.41 0.069 1 1 0 18.64 16.05 19.51 21051 2530.1 21195 2544.5 256QAM 10MHz 100 0 50 0 16.28 16.99 19.63 18.53 0.071 1 99 1 0 19.31 17.51 20.43 19.33 0.086 21251 2550.1 21395 2564.5 256QAM 100 0 50 0 16.90 16.67 19.77 18.67 0.074

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Part 27 / RSS 199_ EIRP Limit (W) 2 OUTPUT POWER FOR LTE BAND 7C (15MHz + 20MHz) Antenna Gain -1.1 PCC EIRP EIRP SCC1 Conducted PCC SCC1 Modulation Bandwidth RB RB Average (dBm) Average Average Size MHz MHz Offset Size Offset PCC SCC1 Earfcn Earfcn (dBm) Total (W) 21.59 24.07 22.97 74 20.45 0.198 0 20828 2507.8 20999 2524.9 QPSK 100 19.75 22.86 75 0 0 19.94 21.76 0.150 15MHz+ 74 21.52 21.53 1 1 0 24.53 23.43 0.220 21003 2525.3 21174 2542.4 **QPSK** 20MHz 75 0 100 0 19.94 19.77 22.86 21.76 0.150 74 0 20.74 21.83 24.30 23.20 0.209 1 1 21179 2542.9 21350 2560.0 **QPSK** 75 0 100 0 19.86 19.59 22.73 21.63 0.146 74 0 19.19 23.21 22.11 0.163 1 1 21.08 20828 2507.8 20999 2524.9 16QAM 75 100 20.67 0.117 0 0 19.26 18.20 21.77 15MHz+ 74 0.185 1 1 0 20.96 20.57 23.78 22.68 21003 2525.3 21174 2542.4 16QAM 20MHz 75 20.62 0.115 0 100 0 18.82 18.60 21.72 1 74 1 0 20.54 20.05 23.31 22.21 0.166 21179 2542.9 21350 2560.0 16QAM 21.57 75 0 100 0 18.66 18.45 20.47 0.111 1 74 1 0 17.96 17.71 20.85 19.75 0.094 20828 2507.8 20999 2524.9 64QAM 17.68 75 0 100 0 17.76 20.73 19.63 0.092 15MHz+ 1 74 1 0 18.35 17.57 20.99 19.89 0.097 21003 2525.3 2542.4 64QAM 21174 20MHz 75 0 100 0 17.79 17.67 20.74 19.64 0.092 1 74 0 17.79 17.76 20.79 19.69 0.093 1 21179 2542.9 2560.0 21350 64QAM 100 75 0 0 17.70 17.44 20.58 19.48 0.089 1 74 1 0 16.98 16.41 19.72 18.62 0.073 20828 2507.8 20999 2524.9 256QAM 75 0 100 0 16.84 16.74 19.80 18.70 0.074 19.83 0.075 15MHz+ 1 74 1 0 16.60 17.04 18.73 21003 2525.3 2542.4 21174 256QAM 20MHz 75 0 100 0 16.81 16.72 19.77 18.67 0.074 1 74 1 0 16.56 16.78 19.68 18.58 0.072 21179 2542.9 21350 2560.0 256QAM 75 0 100 0 16.74 16.43 19.60 18.50 0.071

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Part 27 / RSS 199_ EIRP Limit (W) 2 OUTPUT POWER FOR LTE BAND 7C (20MHz + 15MHz) Antenna Gain -1.1 PCC EIRP EIRP SCC1 Conducted PCC SCC1 Modulation Bandwidth RB RB Average (dBm) Average Average Offset MHz MHz Size Size Offset PCC SCC1 Earfcn Earfcn (dBm) Total (W) 21.18 99 24.71 23.61 0.230 0 .16 20850 2510.0 21021 2527.1 QPSK 19.93 100 75 19.96 22.96 0 0 21.86 0.153 21.40 20MHz+ 99 20.47 23.97 22.87 1 1 0 0.194 21026 2527.6 21197 2544.7 **QPSK** 15MHz 100 0 75 0 19.82 19.69 22.76 21.66 0.147 99 0 21.80 21.80 24.81 23.71 0.235 1 1 21201 2545.1 21372 2562.2 **QPSK** 100 0 75 0 19.85 19.61 22.74 21.64 0.146 99 0 20.37 24.06 22.96 0.198 1 1 21.63 20850 2510.0 21021 2527.1 16QAM 100 75 21.09 0.129 0 0 19.21 19.15 22.19 20MHz+ 99 22.39 0.173 1 1 0 20.76 20.18 23.49 21026 2527.6 21197 2544.7 16QAM 15MHz 100 20.85 0.122 0 75 0 18.85 19.02 21.95 1 99 1 0 21.06 21.18 24.13 23.03 0.201 21201 2545.1 21372 2562.2 16QAM 100 0 75 0 18.91 18.79 21.86 20.76 0.119 1 99 1 0 17.91 18.05 20.99 0.097 19.89 20850 2510.0 21021 2527.1 64QAM 100 0 75 0 17.80 17.77 20.80 19.70 0.093 20MHz+ 1 99 1 0 17.72 17.81 20.77 19.67 0.093 21026 2527.6 2544.7 64QAM 21197 15MHz 100 0 75 0 18.23 17.05 20.69 19.59 0.091 99 1 0 17.66 18.05 20.87 19.77 0.095 1 21201 2545.1 21372 2562.2 64QAM 100 0.090 0 75 0 17.80 17.49 20.66 19.56 1 99 1 0 17.09 16.73 19.93 18.83 0.076 20850 2510.0 21021 2527.1 256QAM 100 0 75 0 16.94 16.81 19.89 18.79 0.076 20MHz+ 99 16.72 19.77 18.67 0.074 1 1 0 16.80 21026 2527.6 21197 2544.7 256QAM 15MHz 100 0 75 0 16.70 16.55 19.64 18.54 0.071 1 99 1 0 16.86 16.87 19.87 18.77 0.075 21201 2545.1 21372 2562.2 256QAM 100 0 75 0 16.79 16.55 19.68 18.58 0.072

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Part 27 / RS		P Limit (,				OUTE			OR I TF	BAND 7	C (20MHz	z + 20MHz)		
Antenna Gai Bandwidth		cc	<u>-1.1</u>	SCC1	Modulat	lion	PC RE	C	SC	C1	C	Conducte	d	EIRP	EIRP
Danuwiuun	Earfcn	MHz	Earfcn	MH				o Offset	Size	D Offset	PCC	erage (dE SCC1	Total	Average (dBm)	Average (W)
							1	99	1	0	21.68	21.73	24.72	23.62	0.230
	20850	2510.0	21048	2529	.8 QPSł	< -	100	0	100	0	20.03	19.82	22.94	21.84	0.153
20MHz+	21001	2525.1	21199	2544	.9 QPSI	<i>`</i>	1	99	1	0	21.30	21.27	24.29	23.19	0.208
20MHz	21001	2020.1	21199	2044	.9 QFSr	`	100	0	100	0	19.93	19.73	22.84	21.74	0.149
	21152	2540.2	21350	2560	.0 QPSI	< -	1	99	1	0	21.16	21.20	24.19	23.09	0.204
						-	100	0	100	0	19.87	19.62	22.76	21.66	0.147
	20850	2510.0	21048	2529	.8 16QA	M	1 100	99 0	1 100	0 0	21.58 18.94	20.60 18.84	24.13 21.90	23.03 20.80	0.201
20MHz+							100	99	100	0	20.56	20.71	23.65	20.60	0.120
20MHz	21001	2525.1	21199	2544	.9 16QA	M -	100	0	100	0	18.99	18.79	21.90	20.80	0.120
	04450	0540.0	04050	0500	0 400.4		1	99	1	0	20.66	20.77	23.72	22.62	0.183
	21152	2540.2	21350	2560	.0 16QA	M	100	0	100	0	19.00	18.66	21.85	20.75	0.119
	20850	2510.0	21048	2529	.8 64QA	м	1	99	1	0	18.40	18.20	21.31	20.21	0.105
	20000	2510.0	21040	2529	.0 04QA	VI	100	0	100	0	17.48	18.36	20.95	19.85	0.097
20MHz+	21001	2525.1	21199	2544	.9 64QA	м	1	99	1	0	17.82	18.14	21.00	19.90	0.098
20MHz							100	0	100	0	18.03	17.79	20.92	19.82	0.096
	21152	2540.2	21350	2560	.0 64QA	M	1 100	99 0	1 100	0	18.04	17.88	20.97	19.87	0.097
							100	99	100	0	17.49 17.48	18.19 17.30	20.86 20.40	19.76 19.30	0.095
	20850	2510.0	21048	2529	.8 256QA	M	100	0	100	0	16.96	16.91	19.95	18.85	0.003
20MHz+		0.505.4		0.544			1	99	1	0	16.81	17.06	19.95	18.85	0.077
20MHz	21001	2525.1	21199	2544	.9 256QA	M	100	0	100	0	16.91	16.85	19.89	18.79	0.076
	21152	2540.2	21350	2560	.0 256QA	м	1	99	1	0	16.94	17.37	20.17	19.07	0.081
			21000	2000	.0 200QA		100	0	100	0	16.98	16.78	19.89	18.79	0.076
Part 27 / RSS	_	Limit (W)	3			0	UTPUT F	OWER	FOR LT	e Band	12B (5M	Hz + 5MHz	z)		
Antenna Gair			-1.6			F	200	S	CC1		Conduct	ed	EIRP	ERP	ERP
Bandwidth	PC	C	SCO	51	Modulation		RB		RB	A	verage (d		Average		
-	Earfcn	MHz	Earfcn	MHz		Size	Offset	t Size	Offset		SCC1	Total	(dBm)	(dBm)	(W)
	23035	701.5	23083	706.3	QPSK	1	24	1	0	21.83	20.79	24.34	21.94	19.79	0.095
5MHz+						25 1	0 24	50 1	0	19.92	19.98 21.35	22.96 24.31	20.56 21.91	18.41 19.76	0.069
5MHz	23071	705.1	23119	709.9	QPSK	25	0	50	0	21.26	20.01	24.31	20.61	19.76	0.095
	00407	700 7	00455	740 5	0001/	1	24	1	0	21.31	21.28	24.29	21.89	19.74	0.094
	23107	708.7	23155	713.5	QPSK	25	0	50	0	19.93	19.98	22.97	20.57	18.42	0.070
	23035	701.5	23083	706.3	16QAM	1	24	1	0	20.75	21.24	24.00	21.60	19.45	0.088
EMU:						25	0	50	0	19.03	18.99	22.02	19.62	17.47	0.056
5MHz+ 5MHz	23071	705.1	23119	709.9	16QAM	1 25	24 0	1 50	0	20.66	20.70 19.04	23.68 22.01	21.28 19.61	19.13 17.46	0.082
OWINZ	00.407		00/55			1	24	1	0	21.07	20.65	23.87	21.47	19.32	0.086
	23107	708.7	23155	713.5	16QAM	25	0	50	0	19.02	19.08	22.06	19.66	17.51	0.056
	23035	701.5	23083	706.3	64QAM	1	24	1	0	18.85	19.02	21.93	19.53	17.38	0.055
			_0000	. 50.0		25	0	50	0	18.79	18.81	21.81	19.41	17.26	0.053
5MHz+ 5MHz	23071	705.1	23119	709.9	64QAM	1 25	24 0	1 50	0	20.08 18.37	18.48 19.43	22.35 21.94	19.95 19.54	17.80 17.39	0.060
						25 1	24	50	0	18.98	19.43	21.94	19.54	17.59	0.055
	23107	708.7	23155	713.5	64QAM	25	0	50	0	18.84	18.84	21.85	19.45	17.30	0.054
	23035	701.5	23083	706.3	256QAM	1	24	1	0	17.72	16.59	20.19	17.79	15.64	0.037
	20000	101.5	20000	100.0		25	0	50	0	17.00	17.12	20.07	17.67	15.52	0.036
						1	24	1	0	17.07	17.29	20.18	17.78	15.63	0.037
5MHz+	23071	705.1	23119	709.9	256QAM		-		-		4744	00.04	47.04	45.40	0.005
5MHZ+ 5MHz						25	0	50 1	0	16.88	17.11	20.01	17.61	15.46	0.035
	23071 23107	705.1 708.7	23119 23155	709.9 713.5	256QAM 256QAM		-		-		17.11 17.01 17.01	20.01 20.22 20.01	17.61 17.82 17.61	15.46 15.67 15.46	0.035 0.037 0.035

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Part 27 / RSS Antenna Gair		Limit (W)	3 -1.6	-		<u>0U</u>	TPUT P	OWER	FOR LTE	BAND	<u>12B (5M</u> F	lz + 10MH	<u>z)</u>		
	PC	с	SC	C1	Madulation		000		CC1		Conduct		EIRP		ERP
Bandwidth	Earfcn	MHz	Earfcn	MHz	Modulation	Size	RB		RB Offset		verage (d SCC1		Averag		
	Earich	MIL	Earrich	INITZ		512e	Offset	1 1	0 0	21.77	22.80	Total 24.72	(dBm 22.32	, , ,	(W) 0.104
	23038	701.8	23110	709.0	QPSK	25	0	50	0	19.94	20.00	22.96	22.52		0.104
5MHz+						25	24	1	0	21.73	20.00	22.90	20.50		0.009
10MHz	23048	702.8	23120	710.0	QPSK	25	0	50	0	20.04	20.03	23.02	22.51		0.104
						1	24	1	0	20.04	20.03	24.74	20.02		0.104
	23058	703.8	23130	711.0	QPSK	25	0	50	0	19.98	19.98	22.96	22.34		0.104
						1	24	1	0	22.60	21.17	24.14	20.30		0.003
	23038	701.8	23110	709.0	16QAM	25	0	50	0	18.90	18.94	21.91	19.51		0.054
5MHz+						1	24	1	0	21.11	22.16	24.06	21.66		0.089
10MHz	23048	702.8	23120	710.0	16QAM	25	0	50	0	18.95	19.11	22.01	19.61		0.056
						1	24	1	0	20.57	22.14	23.91	21.51		0.086
	23058	703.8	23130	711.0	16QAM	25	0	50	0	19.01	18.95	21.97	19.57		0.055
						1	24	1	0	19.33	19.78	22.03	19.63		0.056
	23038	701.8	23110	709.0	64QAM	25	0	50	0	18.49	18.58	21.52	19.12		0.050
5MHz+						1	24	1	0	18.91	20.00	21.96	19.56		0.055
10MHz	23048	702.8	23120	710.0	64QAM	25	0	50	0	18.63	18.73	21.67	19.27		0.052
-						1	24	1	0	18.73	20.14	21.94	19.54		0.055
	23058	703.8	23130	711.0	64QAM	25	0	50	0	18.54	18.59	21.55	19.15		0.050
						1	24	1	0	17.36	18.63	20.47	18.07		0.039
	23038	701.8	23110	709.0	256QAM	25	0	50	0	17.03	17.03	20.02	17.62		0.035
5MHz+	00040	700.0	00400	740.0	0500.414	1	24	1	0	17.72	17.95	20.12	17.72	2 15.57	0.036
10MHz	23048	702.8	23120	710.0	256QAM	25	0	50	0	17.03	17.01	20.00	17.60		0.035
ľ	00050	702.0	00400	744.0	0500.004	1	24	1	0	17.13	18.30	20.27	17.87		0.037
	23058	703.8	23130	711.0	256QAM	25	0	50	0	17.10	17.06	20.07	17.67	15.52	0.036
Part 27 / RS	S 199_ EIR	RP Limit (W) 2									C (15ML	z + 15MH	7)	
Antenna Gai	in I		-1.1											-	FIDD
Bandwidth	Р	CC	:	SCC1	Modula	tion	PC RE		SCO RE			onducte erage (dE		EIRP Average	EIRP Average
	Earfcn	MHz	Earfci	n MH				Offset		Offset	PCC	SCC1	Total	(dBm)	(W)
							1	74	1	0	21.19	22.15	24.71	23.61	0.230
	37825	2577.5	37975	5 2592	.5 QPS	K –	75	0	75	0	20.29	20.08	23.25	22.15	0.164
15MHz+							1	74	1	0	22.18	21.07	24.67	23.57	0.228
15MHz	37925	2587.5	38075	5 2602	.5 QPS	K –	75	0	75	0	20.36	20.05	24.07	23.37	0.220
	-		-					74	1						
	38025	2597.5	38175	5 2612	.5 QPS	к –	1			0	21.58	21.56	24.58	23.48	0.223
		-	_				75	0	75	0	20.30	20.00	23.16	22.06	0.161
	37825	2577.5	37975	5 2592	.5 16QA	м	1	74	1	0	21.22	21.29	24.27	23.17	0.207
							75	0	75	0	19.43	19.22	22.34	21.24	0.133
15MHz+	37925	2587.5	38075	5 2602	.5 16QA	м	1	74	1	0	20.93	21.08	24.02	22.92	0.196
15MHz	0.010						75	0	75	0	19.48	19.15	22.33	21.23	0.133
	38025	2597.5	38175	5 2612	.5 16QA	м	1	74	1	0	21.01	21.03	24.03	22.93	0.196
	00020	2007.0	00170	2012		IVI	75	0	75	0	19.44	19.19	22.33	21.23	0.133
	37825	2577.5	37975	5 2592	.5 64QA	м	1	74	1	0	18.61	18.11	21.38	20.28	0.107
	51025	2011.0	51310	, 2092	UHQA	141	75	0	75	0	18.84	18.49	21.68	20.58	0.114
15MHz+	37005	2E07 F	20075	3603	5 6404	м	1	74	1	0	18.49	18.66	21.58	20.48	0.112
15MHz	37925	2587.5	38075	5 2602	.5 64QA	IVI	75	0	75	0	18.60	18.27	21.45	20.35	0.108
	00005	0507 -					1	74	1	0	18.67	18.54	21.62	20.52	0.113
	38025	2597.5	38175	5 2612	.5 64QA	M	75	0	75	0	18.73	18.39	21.57	20.47	0.111
							1	74	1	0	17.52	17.28	20.41	19.31	0.085
	37825	2577.5	37975	5 2592	5 256QA	M	75	0	75	0	17.51	17.23	20.38	19.28	0.085
										~			-0.00	10.20	0.000

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2602.5

t (886-2) 2299-3279

38075

38175

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台灣檢驗科技股份有限公司

SGS Taiwan Ltd.

37925

38025

2587.5

2597.5

15MHz+

15MHz

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號 f (886-2) 2298-0488

74

0

74

0

1

75

1

75

1

75

1

75

256QAM

256QAM

0

0

0

0

17.28

17.41

17.19

17.41

www.sgs.com.tw

127.13

17.14

17.40

17.18

Member of SGS Group

20.22

20.28

20.31

20.30

19.12

19.18

19.21

19.20

0.082

0.083

0.083

0.083

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Part 27 / RSS 199_ EIRP Limit (W) 2 OUTPUT POWER FOR LTE BAND 38C (20MHz + 20MHz) Antenna Gain -1.1 PCC EIRP EIRP SCC1 Conducted PCC SCC1 Bandwidth Modulation RB RB Average (dBm) Average Average MHz MHz Size Offset Size Offset PCC SCC1 Earfcn Earfcn (dBm) Total (W) 21.10 24.69 99 22 .19 23.59 0.229 1 0 37850 2580.0 38048 2599.8 QPSK 22.20 100 100 20.07 23.30 0 0 20.49 0.166 21.58 20MHz+ 99 23.50 1 1 0 21.61 24.60 0.224 37901 2585.1 38099 2604.9 **QPSK** 20MHz 100 0 100 0 20.45 20.14 23.31 22.21 0.166 99 0 22.17 21.17 24.70 23.60 0.229 1 1 37952 2590.2 38150 2610.0 **QPSK** 100 0 100 0 20.09 23.31 22.21 0.166 20.51 99 0 24.03 22.93 0.196 1 1 20.90 21.15 37850 2580.0 38048 2599.8 16QAM 100 100 21.21 0.132 0 0 19.45 19.15 22.31 20MHz+ 99 23.05 0.202 1 1 0 21.04 21.23 24.15 37901 2585.1 38099 2604.9 16QAM 20MHz 100 21.21 0.132 0 100 0 19.49 19.11 22.31 1 99 1 0 21.12 21.52 24.33 23.23 0.210 37952 2590.2 38150 2610.0 16QAM 100 0 100 0 19.54 19.15 22.36 21.26 0.134 1 99 1 0 18.82 18.67 21.76 20.66 0.116 37850 2580.0 38048 2599.8 64QAM 100 0 100 0 18.79 18.41 21.61 20.51 0.112 20MHz+ 1 99 1 0 18.26 18.66 21.47 20.37 0.109 37901 2585.1 38099 2604.9 64QAM 21.62 20MHz 100 0 100 0 18.78 18.42 20.52 0.113 20.45 99 0 18.55 18.52 21.55 0.111 1 1 38150 37952 2590.2 2610.0 64QAM 100 100 0 0 18.84 18.38 21.63 20.53 0.113 1 99 1 0 17.19 17.22 20.22 19.12 0.082 37850 2580.0 38048 2599.8 256QAM 100 100 19.29 0 0 17.56 17.19 20.39 0.085 20MHz+ 99 20.25 19.15 0.082 1 1 0 17.54 16.92 37901 2585.1 38099 2604.9 256QAM 20MHz 100 0 100 0 17.54 17.23 20.40 19.30 0.085 1 99 1 0 17.54 16.92 20.25 19.15 0.082 2590.2 37952 38150 2610.0 256QAM 100 0 100 0 17.46 17.12 20.30 19.20 0.083

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41373

2668.3

41490

2680.0

Part 27 / RSS 199_ EIRP Limit (W) 2 OUTPUT POWER FOR LTE BAND 41C (5MHz + 20MHz) Antenna Gain -1.1 PCC EIRP EIRP SCC1 Conducted PCC SCC1 Bandwidth Modulation RB RB Average (dBm) Average Average MHz MHz Size Offset Size Offset PCC SCC1 Earfcn Earfcn Total (dBm) (W) 25.90 23.38 25.91 24.81 0.303 24 0 39683 2499.3 39800 2511.0 QPSK 21.66 100 .19 24.16 23.06 25 0 0 0.202 24 22.74 25.72 5MHz+ 1 1 0 25.73 24.63 0.290 40528 2583.8 40645 2595.5 **QPSK** 20MHz 25 0 100 0 21.32 21.70 24.26 23.16 0.207 24 0 22.44 25.97 25.98 24.88 0.308 1 1 41373 2668.3 41490 2680.0 **QPSK** 25 0 100 0 21.68 24.27 23.17 0.207 21.33 24 0 25.32 25.33 24.23 0.265 1 1 22.23 39683 2499.3 39800 2511.0 16QAM 25 0 100 22.19 0.166 0 20.27 20.79 23.29 5MHz+ 24 0.252 1 1 0 22.13 25.11 25.11 24.01 40528 2583.8 40645 2595.5 16QAM 20MHz 25 22.21 0.166 0 100 0 20.35 20.75 23.31 1 24 1 0 22.68 25.47 25.47 24.37 0.274 41373 2668.3 41490 2680.0 16QAM 25 0 100 0 20.42 20.80 23.38 22.28 0.169 24 1 0 20.10 22.99 22.99 0.155 1 21.89 39683 2499.3 39800 2511.0 64QAM 25 0 100 0 19.26 19.80 22.28 21.18 0.131 19.74 22.73 5MHz+ 1 24 1 0 22.73 21.63 0.146 40528 2583.8 40645 2595.5 64QAM 20MHz 25 0 100 0 19.44 19.86 22.43 21.33 0.136 24 0 20.40 22.93 22.93 21.83 0.152 1 1 41373 2668.3 41490 2680.0 64QAM 25 100 0 0 19.45 19.84 22.40 21.30 0.135 1 24 1 0 18.38 21.48 21.49 20.39 0.109 39683 2499.3 39800 2511.0 256QAM 25 0 100 0 18.26 18.68 21.23 20.13 0.103 21.47 20.37 0.109 5MHz+ 1 24 1 0 18.61 21.46 40528 2583.8 40645 2595.5 256QAM 20MHz 25 0 100 0 18.52 18.78 21.41 20.31 0.107

1

25

256QAM

24

0

1

100

0

0

18.42

18.55

21.56

18.87

21.56

21.47

20.46

20.37

0.111

0.109

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Part 27 / RSS 199_ EIRP Limit (W) 2 OUTPUT POWER FOR LTE BAND 41C (20MHz + 5MHz) Antenna Gain -1.1 PCC EIRP EIRP SCC1 Conducted PCC SCC1 Modulation Bandwidth RB RB Average (dBm) Average Average MHz MHz Size Offset Size Offset PCC SCC1 Earfcn Earfcn (dBm) Total (W) 22.16 99 25.22 24.12 0.258 0 39750 2506.0 39867 2517.7 QPSK 20.87 100 25 23.93 0 0 21 50 22.83 0.192 23.18 20MHz+ 99 25.67 1 1 0 25.69 24.59 0.288 40595 2590.5 40712 2602.2 **QPSK** 5MHz 100 0 25 0 21.25 24.31 23.21 0.209 21.82 99 0 25.31 22.28 25.32 24.22 0.264 1 1 41440 2675.0 41557 2686.7 **QPSK** 100 0 25 0 20.96 24.10 23.00 0.200 21.69 99 0 24.48 21.64 24.48 23.38 0.218 1 1 39750 2506.0 39867 2517.7 16QAM 100 25 21.59 0.144 0 0 20.16 19.66 22.69 20MHz+ 99 23.68 0.233 1 1 0 24.78 21.80 24.78 40595 2590.5 40712 2602.2 16QAM 5MHz 100 21.93 0.156 0 25 0 20.64 19.88 23.03 1 99 1 0 24.63 21.58 24.93 23.83 0.242 41440 2675.0 41557 2686.7 16QAM 100 0 25 0 20.46 19.75 22.88 21.78 0.151 1 99 1 0 21.89 18.66 21.89 20.79 0.120 39750 2506.0 39867 2517.7 64QAM 100 0 25 0 19.05 18.66 21.62 20.52 0.113 20MHz+ 1 99 1 0 22.22 19.11 22.22 0.129 21.12 40595 2590.5 40712 2602.2 64QAM 5MHz 100 0 25 0 19.68 19.03 22.12 21.02 0.126 99 1 0 21.94 18.91 21.94 20.84 0.121 1 41440 2675.0 2686.7 41557 64QAM 100 0 25 0 19.51 18.82 21.93 20.83 0.121 1 99 1 0 20.81 17.78 20.81 19.71 0.094 39750 2506.0 39867 2517.7 256QAM 100 0 25 0 18.22 17.64 20.71 19.61 0.091 99 19.91 0.098 20MHz+ 1 1 0 21.01 18.19 21.01 40595 2590.5 40712 2602.2 256QAM 5MHz 100 0 25 0 18.67 18.05 21.13 20.03 0.101 1 99 1 0 20.94 17.93 20.94 19.84 0.096 41440 2675.0 41557 2686.7 256QAM 100 0 25 0 18.61 17.85 21.00 19.90 0.098

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41346

2665.6

41490

2680.0

256QAM

50

0

100

0

18.33

18.00

21.15

20.05

0.101

Part 27 / RSS 199_ EIRP Limit (W) 2 OUTPUT POWER FOR LTE BAND 41C (10MHz + 20MHz) Antenna Gain -1.1 PCC EIRP EIRP SCC1 Conducted PCC SCC1 Modulation Bandwidth RB RB Average (dBm) Average Average MHz MHz Size Offset Size Offset PCC SCC1 Earfcn Earfcn Total (dBm) (W) 24.36 49 22.50 25.51 24.41 0.276 0 39705 2501.5 39849 2515.9 QPSK 21.13 100 24.12 23.02 50 0 0 14 0.200 10MHz+ 22.06 24.62 1 49 1 0 25.62 24.52 0.283 40526 2583.6 40670 2598.0 **QPSK** 20MHz 50 0 100 0 21.44 21.34 24.37 23.27 0.212 49 0 22.81 24.69 25.84 24.74 0.298 1 1 41346 2665.6 41490 2680.0 **QPSK** 50 0 100 0 21.42 24.30 23.20 0.209 21.21 49 0 23.91 24.86 23.76 0.238 1 1 21.74 39705 2501.5 39849 2515.9 16QAM 50 100 21.83 0.152 0 0 19.93 19.95 22.93 10MHz+ 49 23.79 0.239 1 1 0 21.82 23.90 24.89 40526 2583.6 40670 2598.0 16QAM 20MHz 50 22.06 0.161 0 100 0 20.23 20.11 23.16 49 1 0 22.42 24.03 25.17 24.07 0.255 1 41346 2665.6 41490 2680.0 16QAM 50 0 100 0 20.29 20.13 23.20 22.10 0.162 49 1 0 18.96 21.06 22.02 20.92 0.124 1 39705 2501.5 39849 2515.9 64QAM 50 0 100 0 18.98 18.95 21.95 20.85 0.122 22.41 10MHz+ 1 49 1 0 19.14 21.51 21.31 0.135 40526 2583.6 2598.0 64QAM 40670 20MHz 50 0 100 0 19.23 19.11 22.16 21.06 0.128 49 0 19.51 21.51 22.53 0.139 1 1 21.43 41346 2665.6 41490 2680.0 64QAM 50 100 0 0 19.33 19.12 22.21 21.11 0.129 1 49 1 0 17.83 20.21 21.02 19.92 0.098 39705 2501.5 39849 2515.9 256QAM 100 50 0 0 17.89 18.02 20.94 19.84 0.096 20.17 10MHz+ 49 21.27 0.104 1 1 0 18.44 20.08 40526 2583.6 40670 2598.0 256QAM 20MHz 50 0 100 0 18.19 18.05 21.10 20.00 0.100 49 1 0 18.50 19.97 21.19 20.09 0.102 1

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Part 27 / RSS 199_ EIRP Limit (W) 2 OUTPUT POWER FOR LTE BAND 41C (15MHz + 15MHz) Antenna Gain -1.1 PCC EIRP EIRP SCC1 Conducted PCC SCC1 Modulation Bandwidth RB RB Average (dBm) Average Average MHz MHz Size Offset Size Offset PCC SCC1 Earfcn Earfcn (dBm) Total (W) 22.29 74 25.28 24.18 0.262 0 22.26 39725 2503.5 39875 2518.5 QPSK 20.99 20.88 23.95 75 0 75 0 22.85 0.193 22.52 74 22.67 15MHz+ 1 1 0 25.61 24.51 0.282 40545 2585.5 40695 2600.5 **QPSK** 15MHz 75 0 75 0 21.21 24.27 23.17 0.207 21.31 74 0 22.56 22.57 25.57 24.47 0.280 1 1 41365 2667.5 41515 2682.5 **QPSK** 75 0 75 0 24.21 23.11 0.205 21.28 21.12 74 0 21.44 24.43 23.33 0.215 1 1 21.40 39725 2503.5 39875 2518.5 16QAM 75 0 75 0.148 0 19.81 19.76 22.80 21.70 15MHz+ 74 23.61 0.230 1 1 0 22.01 21.36 24.71 40545 2585.5 40695 2600.5 16QAM 15MHz 75 22.00 0.158 0 75 0 20.17 20.00 23.10 22.06 1 74 1 0 21.81 24.95 23.85 0.243 41365 2667.5 41515 2682.5 16QAM 75 0 75 0 20.12 19.87 23.01 21.91 0.155 1 74 1 0 19.16 18.71 21.95 20.85 0.122 39725 2503.5 39875 2518.5 64QAM 18.77 75 0 75 0 18.84 21.82 20.72 0.118 15MHz+ 1 74 1 0 19.14 19.13 22.15 21.05 0.127 40545 2585.5 40695 2600.5 64QAM 15MHz 75 0 75 0 19.19 19.07 22.14 21.04 0.127 1 74 1 0 19.09 19.34 22.23 0.130 21.13 41365 2667.5 2682.5 41515 64QAM 75 0 75 0 19.15 18.88 22.03 20.93 0.124 1 74 1 0 17.74 17.87 20.82 19.72 0.094 39725 2503.5 2518.5 39875 256QAM 75 0 75 0 17.87 17.80 20.85 19.75 0.094 20.06 21.16 0.101 15MHz+ 1 74 1 0 18.18 18.12 40545 2585.5 40695 2600.5 256QAM 15MHz 75 0 75 0 18.16 17.97 21.08 19.98 0.100 1 74 1 0 18.52 18.01 21.28 20.18 0.104 41365 2667.5 41515 2682.5 256QAM 75 0 75 0 18.66 17.40 21.09 19.99 0.100

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Part 27 / RSS 199_ EIRP Limit (W) 2 OUTPUT POWER FOR LTE BAND 41C (20MHz + 10MHz) Antenna Gain -1.1 PCC EIRP EIRP SCC1 Conducted PCC SCC1 Modulation Bandwidth RB RB Average (dBm) Average Average Offset MHz MHz Size Size Offset PCC SCC1 Earfcn Earfcn (dBm) Total (W) 22.15 99 24.01 25.19 24.09 0.256 1 0 39750 2506.0 39894 2520.4 QPSK 20.96 100 50 23.95 22.85 0 0 20.96 0.193 22.51 20MHz+ 99 24.56 0.277 1 1 0 25.53 24.43 40571 2588.1 40715 2602.5 **QPSK** 10MHz 100 0 50 0 21.21 24.27 23.17 0.207 21.36 99 0 24.71 22.68 25.68 24.58 0.287 1 1 41391 2670.1 41535 2684.5 **QPSK** 100 0 50 0 20.99 24.13 23.03 0.201 21.29 99 0 21.25 24.46 23.36 0.217 1 1 23.66 39750 2506.0 39894 2520.4 16QAM 100 21.60 0.145 0 50 0 19.74 19.70 22.70 20MHz+ 99 0.240 1 1 0 23.86 21.93 24.91 23.81 40571 2588.1 40715 2602.5 16QAM 10MHz 100 22.01 0.159 0 50 0 20.19 20.07 23.11 1 99 1 0 23.18 21.76 24.67 23.57 0.228 41391 2670.1 41535 2684.5 16QAM 100 0 50 0 20.13 19.89 23.00 21.90 0.155 1 99 1 0 20.86 18.95 21.89 20.79 0.120 39750 2506.0 39894 2520.4 64QAM 100 0 50 0 18.78 18.83 21.79 20.69 0.117 18.51 20MHz+ 1 99 1 0 21.25 22.20 21.10 0.129 40571 2588.1 40715 2602.5 64QAM 10MHz 100 0 50 0 19.21 19.02 22.10 21.00 0.126 99 1 0 21.53 18.59 22.30 0.132 1 21.20 41391 2670.1 41535 2684.5 64QAM 100 0 50 0 19.15 18.93 22.02 20.92 0.124 1 99 1 0 19.99 17.77 21.03 19.93 0.098 39750 2506.0 39894 2520.4 256QAM 100 19.65 0 50 0 17.79 17.75 20.75 0.092 20MHz+ 99 20.01 0.100 1 1 0 20.03 18.25 21.11 40571 2588.1 40715 2602.5 256QAM 10MHz 100 0 50 0 18.25 18.02 21.12 20.02 0.100 1 99 1 0 19.90 18.10 21.08 19.98 0.100 41391 2670.1 41535 2684.5 256QAM 100 0 50 0 18.20 17.94 21.06 19.96 0.099

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Part 27 / RSS 199_ EIRP Limit (W) 2 OUTPUT POWER FOR LTE BAND 41C (15MHz + 20MHz) Antenna Gain -1.1 PCC EIRP EIRP SCC1 Conducted PCC SCC1 Modulation Bandwidth RB RB Average (dBm) Average Average Size MHz MHz Offset Size Offset PCC SCC1 Earfcn Earfcn (dBm) Total (W) 21.95 74 22.88 25.45 24.35 0.272 0 39728 2503.8 39899 2520.9 QPSK 21.00 100 24.06 22.96 75 0 0 .10 0.198 22.43 15MHz+ 74 22.43 1 1 0 25.44 24.34 0.272 40523 2583.3 40694 2600.4 **QPSK** 20MHz 75 0 100 0 21.43 21.22 24.34 23.24 0.211 74 0 22.98 22.98 25.99 24.89 0.308 1 1 41319 2662.9 41490 2680.0 **QPSK** 75 0 100 0 24.28 23.18 0.208 21.38 21.15 74 0 21.47 24.41 23.31 0.214 1 1 21.34 39728 2503.8 39899 2520.9 16QAM 75 100 21.63 0.146 0 0 19.73 19.72 22.73 15MHz+ 74 23.62 0.230 1 1 0 21.72 21.70 24.72 40523 2583.3 40694 2600.4 16QAM 20MHz 75 22.04 0.160 0 100 0 20.22 20.04 23.14 1 74 1 0 22.19 21.99 25.10 24.00 0.251 41319 2662.9 41490 2680.0 16QAM 75 0 100 0 20.27 20.03 23.17 22.07 0.161 1 74 1 0 18.97 18.86 21.92 20.82 0.121 39728 2503.8 39899 2520.9 64QAM 75 0 100 0 18.81 18.78 21.81 20.71 0.118 19.30 15MHz+ 1 74 1 0 19.17 22.24 21.14 0.130 40523 2583.3 40694 2600.4 64QAM 20MHz 75 0 100 0 19.19 19.07 22.14 21.04 0.127 1 74 0 19.38 19.44 22.42 0.136 1 21.32 41319 2662.9 41490 2680.0 64QAM 100 75 0 0 19.30 18.99 21.16 20.06 0.101 1 74 1 0 18.01 17.75 20.89 19.79 0.095 39728 2503.8 39899 2520.9 256QAM 17.89 19.76 75 0 100 0 17.82 20.86 0.095 20.05 0.101 15MHz+ 1 74 1 0 18.10 18.17 21.15 40523 2583.3 40694 2600.4 256QAM 20MHz 75 0 100 0 18.25 18.05 21.16 20.06 0.101 1 74 1 0 18.28 17.91 21.11 20.01 0.100 41319 2662.9 41490 2680.0 256QAM

75

0

100

0

18.11

17.95

21.04

19.94

0.099

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Part 27 / RSS 199_ EIRP Limit (W) 2 OUTPUT POWER FOR LTE BAND 41C (20MHz + 15MHz) Antenna Gain -1.1 PCC EIRP EIRP SCC1 Conducted PCC SCC1 Modulation Bandwidth RB RB Average (dBm) Average Average Offset MHz MHz Size Size Offset PCC SCC1 Earfcn Earfcn (dBm) Total (W) 22.07 99 25.10 24.00 0.251 0 12 39750 2506.0 39921 2523.1 QPSK 20.99 20.98 100 75 23.99 22.89 0 0 0.195 22.59 20MHz+ 99 22.55 1 1 0 25.58 24.48 0.281 40546 2585.6 40717 2602.7 **QPSK** 15MHz 100 0 75 0 21.33 21.19 24.27 23.17 0.207 99 0 22.60 22.50 25.56 24.46 0.279 1 1 41341 2665.1 41512 2682.2 **QPSK** 100 0 75 0 21.35 21.13 24.25 23.15 0.207 99 0 24.33 23.23 0.210 1 1 21.51 21.13 39750 2506.0 39921 2523.1 16QAM 100 75 0.146 0 0 19.72 19.76 22.75 21.65 20MHz+ 99 23.61 0.230 1 1 0 21.53 21.85 24.71 40546 2585.6 40717 2602.7 16QAM 15MHz 100 22.03 0.160 0 75 0 20.18 20.05 23.13 1 99 1 0 21.90 21.58 24.75 23.65 0.232 41341 2665.1 41512 2682.2 16QAM 23.11 100 0 75 0 20.19 20.01 22.01 0.159 1 99 1 0 19.01 18.71 21.87 20.77 0.119 39750 2506.0 39921 2523.1 64QAM 100 0 75 0 18.81 18.83 21.83 20.73 0.118 19.57 20MHz+ 1 99 1 0 18.75 22.19 21.09 0.129 40546 2585.6 40717 2602.7 64QAM 15MHz 100 0 75 0 19.22 19.07 22.16 21.06 0.128 99 1 0 19.33 19.14 22.24 0.130 1 21.14 41341 2665.1 41512 2682.2 64QAM 100 0 75 0 19.23 19.05 22.15 21.05 0.127 1 99 1 0 17.87 17.59 20.74 19.64 0.092 39750 2506.0 39921 2523.1 256QAM 100 0 75 0 17.79 17.78 20.80 19.70 0.093 20MHz+ 99 21.09 19.99 0.100 1 1 0 18.11 18.05 40546 2585.6 40717 2602.7 256QAM 15MHz 100 0 75 0 18.14 17.96 21.06 19.96 0.099 1 99 1 0 18.23 18.32 21.28 20.18 0.104 41341 2665.1 41512 2682.2 256QAM 100 0 75 0 18.72 17.50 21.16 20.06 0.101

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Part 27 / RSS 199 EIRP Limit (V

2 Т

Antenna Gai			-1.1			OUTP	ut powe	ER FOF	R LTE BA	ND 41C	20MHz +	20MHz)		
	PC	Ŷ	SC	·C1		P	200	S	CC1	C	Conducte	d	EIRP	EIRP
Bandwidth	г х		50		Modulation		RB	l	RB	Av	erage (dE	3m)	Average	Average
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset	PCC	SCC1	Total	(dBm)	(W)
	39750	2506.0	39948	2525.8	QPSK	1	99	1	0	22.14	22.11	25.14	24.04	0.254
	00100	2000.0	000-0	2020.0	QUOIN	100	0	100	0	21.01	20.92	23.98	22.88	0.194
20MHz+	40521	2583.1	40719	2602.9	QPSK	1	99	1	0	22.52	22.47	25.51	24.41	0.276
20MHz	10021	2000.1	40710	2002.0	QUOIN	100	0	100	0	21.37	21.19	24.29	23.19	0.208
	41292	2660.2	41490	2680.0	QPSK	1	99	1	0	22.70	22.72	25.72	24.62	0.290
	41202	2000.2	-1-50	2000.0	GIOIN	100	0	100	0	21.41	21.21	24.32	23.22	0.210
	39750	2506.0	39948	2525.8	16QAM	1	99	1	0	21.57	21.68	24.64	23.54	0.226
	00700	2000.0	00070	2020.0	TUQAIN	100	0	100	0	20.04	20.03	23.05	21.95	0.157
20MHz+	40521	2583.1	40719	2602.9	16QAM	1	99	1	0	21.80	22.20	25.02	23.92	0.247
20MHz	10021	2000.1	40710	2002.0	1000/1111	100	0	100	0	20.44	20.30	23.38	22.28	0.169
	41292	2660.2	41490	2680.0	16QAM	1	99	1	0	22.47	22.14	25.32	24.22	0.264
	41252	2000.2	41400	2000.0	1000/1111	100	0	100	0	20.50	20.22	23.37	22.27	0.169
	39750	2506.0	39948	2525.8	64QAM	1	99	1	0	18.99	18.82	21.91	20.81	0.121
	00100	2000.0	00040	2020.0		100	0	100	0	19.09	19.07	22.09	20.99	0.126
20MHz+	40521	2583.1	40719	2602.9	64QAM	1	99	1	0	19.43	19.97	22.72	21.62	0.145
20MHz	10021	2000.1	40710	2002.0		100	0	100	0	19.46	19.27	22.38	21.28	0.134
	41292	2660.2	41490	2680.0	64QAM	1	99	1	0	19.76	19.74	22.76	21.66	0.147
	41252	2000.2	41400	2000.0		100	0	100	0	19.57	19.28	22.44	21.34	0.136
	39750	2506.0	39948	2525.8	256QAM	1	99	1	0	17.91	17.62	20.75	19.65	0.092
	00100	2000.0	00040	2020.0	20000/111	100	0	100	0	18.12	18.07	21.11	20.01	0.100
20MHz+	40521	2583.1	40719	2602.9	256QAM	1	99	1	0	18.54	18.29	21.43	20.33	0.108
20MHz	-10021	2000.1	10113	2002.3		100	0	100	0	18.39	18.26	21.34	20.24	0.106
	41292	2660.2	41490	2680.0	256QAM	1	99	1	0	18.25	18.62	21.45	20.35	0.108
	TIZJZ	2000.2	- 	2000.0	ZUUQAIN	100	0	100	0	18.59	18.26	21.44	20.34	0.108

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Part 27 / RSS 139 EIRP Limit (W)

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Antenna Gai			-0.2			<u>00</u> 1	FPUT PC	WER F	OR LTE	BAND 6	<u>6C (5MHz</u>	z + 20MHz	<u>z)</u>	
Bandwidth	PC	c	SC	C1	Modulation		CC RB		C1 B		Conducte erage (dE		EIRP Average	EIRP Average
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset	PCC	SCC1	Total	(dBm)	(W)
	132005	1713.3	132122	1725.0	QPSK	1	24	1	0	22.02	24.99	25.01	23.91	0.246
	102000	17 10.0	102122	1720.0	QLOIC	25	0	100	0	20.40	20.71	23.28	22.18	0.165
5MHz+	132330	1745.8	132447	1757.5	QPSK	1	24	1	0	21.78	24.76	24.77	23.67	0.233
20MHz	102000	1740.0	102447	1101.0	QUOIN	25	0	100	0	19.96	20.56	23.03	21.93	0.156
	132455	1758.3	132572	1770.0	QPSK	1	24	1	0	22.07	25.10	25.11	24.01	0.252
	102 100	1700.0	102012	1110.0		25	0	100	0	20.14	20.81	23.27	22.17	0.165
	132005	1713.3	132122	1725.0	16QAM	1	24	1	0	22.50	24.32	24.33	23.23	0.210
	102000	17 10.0	102122	1720.0	1000/111	25	0	100	0	19.42	19.68	22.30	21.20	0.132
5MHz+	132330	1745.8	132447	1757.5	16QAM	1	24	1	0	20.48	24.09	24.10	23.00	0.200
20MHz	102000	11 10.0	102111		1000 111	25	0	100	0	19.07	19.61	22.11	21.01	0.126
	132455	1758.3	132572	1770.0	16QAM	1	24	1	0	21.76	24.61	24.61	23.51	0.224
	102 100	1700.0	102012	1110.0	1000/1111	25	0	100	0	19.19	19.89	22.31	21.21	0.132
	132005	1713.3	132122	1725.0	64QAM	1	24	1	0	19.18	22.26	22.26	21.16	0.131
	102000	17 10.0	TOLIEL	1720.0	0100/111	25	0	100	0	19.41	19.63	22.28	21.18	0.131
5MHz+	132330	1745.8	132447	1757.5	64QAM	1	24	1	0	18.94	22.14	22.15	21.05	0.127
20MHz	.02000				•••	25	0	100	0	18.31	19.77	21.89	20.79	0.120
	132455	1758.3	132572	1770.0	64QAM	1	24	1	0	19.24	22.19	22.19	21.09	0.129
	102 100		102012		0100.001	25	0	100	0	18.72	19.40	21.83	20.73	0.118
	132005	1713.3	132122	1725.0	256QAM	1	24	1	0	17.39	20.41	20.41	19.31	0.085
	.02000					25	0	100	0	17.41	17.74	20.32	19.22	0.084
5MHz+	132330	1745.8	132447	1757.5	256QAM	1	24	1	0	17.05	20.02	20.03	18.93	0.078
20MHz						25	0	100	0	17.00	17.62	20.07	18.97	0.079
	132455	1758.3	132572	1770.0	256QAM	1	24	1	0	17.12	20.21	20.21	19.11	0.081
					20030 111	25	0	100	0	17.10	17.87	20.28	19.18	0.083

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Part 27 / RSS 139_ EIRP Limit (W) OUTPUT POWER FOR LTE BAND 66C (10MHz + 15MHz) Antenna Gain -0.2 PCC EIRP EIRP SCC1 Conducted PCC SCC1 Modulation Bandwidth RB RB Average (dBm) Average Average MHz MHz Size Offset Size Offset PCC SCC1 Earfcn Earfcn Total (dBm) (W) 22.01 49 21.84 24.82 23.72 0.236 0 132025 1715.3 132145 1727.3 QPSK 20.10 23.20 22.10 50 0 75 0 20.28 0.162 21.44 10MHz+ 21.33 23.19 1 49 1 0 24.29 0.208 132351 1747.9 132471 1759.9 **QPSK** 15MHz 50 0 75 0 19.99 20.20 23.11 22.01 0.159 49 0 22.28 21.34 24.78 23.68 0.233 1 1 132477 1760.5 132597 1772.5 **QPSK** 50 0 75 0 20.32 23.28 22.18 0.165 20.23 49 0 21.36 24.02 22.92 0.196 1 1 20.85 132025 1715.3 132145 1727.3 16QAM 50 75 21.02 0.126 0 0 19.18 19.05 22.12 10MHz+ 49 22.64 0.184 1 1 0 21.93 19.34 23.74 132351 1747.9 132471 1759.9 16QAM 15MHz 50 20.90 0.123 0 75 0 18.92 19.05 22.00 49 1 0 20.73 20.95 23.72 22.62 0.183 1 132477 1760.5 132597 1772.5 16QAM 50 0 75 0 19.13 19.28 22.22 21.12 0.129 49 1 0 19.06 19.58 22.23 0.130 1 21.13 132025 1715.3 132145 1727.3 64QAM 19.17 50 0 75 0 18.98 22.09 20.99 0.126 10MHz+ 1 49 1 0 17.95 17.84 20.82 19.72 0.094 132351 1747.9 132471 1759.9 64QAM 15MHz 50 0 75 0 18.51 18.67 21.60 20.50 0.112 49 1 0 18.12 18.82 21.40 20.30 0.107 1 132477 1760.5 132597 1772.5 64QAM 50 0 75 0 18.41 18.63 21.53 20.43 0.110 1 49 1 0 17.56 17.09 20.27 19.17 0.083 132025 1715.3 132145 1727.3 256QAM 18.94 50 0 75 0 17.13 16.93 20.04 0.078 10MHz+ 49 16.49 18.77 0.075 1 1 0 17.41 19.87 132351 1747.9 1759.9 132471 256QAM 15MHz 50 0 75 0 16.92 17.05 19.99 18.89 0.077 49 1 0 17.02 17.29 20.08 18.98 0.079 1 132477 1760.5 132597 1772.5 256QAM 50 0 75 0 17.12 17.28 20.21 19.11 0.081

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Part 27 / RSS 139_ EIRP Limit (W) OUTPUT POWER FOR LTE BAND 66C (15MHz + 10MHz) Antenna Gain -0.2 PCC EIRP EIRP SCC1 Conducted PCC SCC1 Modulation Bandwidth RB RB Average (dBm) Average Average Size MHz MHz Offset Size Offset PCC SCC1 Earfcn Earfcn Total (dBm) (W) 74 20.77 24.91 23.81 0.240 0 22.88 132047 1717.5 132167 1729.5 QPSK 20.22 20.05 23.14 22.04 75 0 50 0 0.160 21.16 15MHz+ 74 21.29 23.08 1 1 0 24.18 0.203 132373 1750.1 132493 1762.1 **QPSK** 10MHz 75 0 50 0 20.09 20.26 23.18 22.08 0.161 74 0 21.97 21.90 24.85 23.75 0.237 1 1 132499 1762.7 132619 1774.7 **QPSK** 75 0 50 0 20.43 23.33 22.23 0.167 20.20 74 0 21.74 24.06 22.96 0.198 1 1 20.36 132047 1717.5 132167 1729.5 16QAM 75 0 21.05 0.127 50 0 19.11 18.97 22.15 15MHz+ 74 22.54 0.179 1 1 0 21.15 20.25 23.64 132373 1750.1 132493 1762.1 16QAM 10MHz 75 20.91 0.123 0 50 0 18.93 19.07 22.01 1 74 1 0 21.35 20.15 23.74 22.64 0.184 132499 1762.7 132619 1774.7 16QAM 75 0 50 0 19.15 19.29 22.23 21.13 0.130 21.14 1 74 1 0 19.54 19.09 22.24 0.130 132047 1717.5 132167 1729.5 64QAM 75 0 50 0 19.16 18.95 22.06 20.96 0.125 15MHz+ 1 74 1 0 17.87 17.94 20.86 19.76 0.095 132373 1750.1 132493 1762.1 64QAM 10MHz 75 0 50 0 18.19 19.38 21.83 20.73 0.118 1 74 1 0 17.93 17.94 20.87 19.77 0.095 132499 1762.7 132619 1774.7 64QAM 75 0 50 0 18.39 18.56 21.48 20.38 0.109 1 74 1 0 17.13 17.12 20.07 18.97 0.079 132047 1717.5 132167 1729.5 256QAM 17.03 75 0 50 0 17.12 20.06 18.96 0.079 15MHz+ 18.64 0.073 1 74 1 0 17.04 16.56 19.74 132373 1750.1 132493 1762.1 256QAM 10MHz 75 0 50 0 17.44 16.60 20.05 18.95 0.079 1 74 1 0 17.01 17.01 19.93 18.83 0.076 1762.7 132499 132619 1774.7 256QAM 75 0 50 0 17.18 17.28 20.24 19.14 0.082

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Part 27 / RSS 139_ EIRP Limit (W) OUTPUT POWER FOR LTE BAND 66C (20MHz + 5MHz) Antenna Gain -0.2 PCC EIRP EIRP SCC1 Conducted PCC SCC1 Modulation Bandwidth RB RB Average (dBm) Average Average Offset MHz MHz Size Size Offset PCC SCC1 Earfcn Earfcn (dBm) Total (W) 22.37 99 24.90 24.90 23.80 0.240 0 132072 1720.0 132189 1731.7 QPSK 20.00 100 23.11 0 25 0 20.66 22.01 0.159 21.94 20MHz+ 99 1 1 0 24.96 24.97 23.87 0.244 132397 1752.5 132514 1764.2 **QPSK** 5MHz 100 0 25 0 20.18 23.15 22.05 0.160 20.60 99 0 24.85 22.33 24.86 23.76 0.238 1 1 132522 1765.0 132639 1776.7 **QPSK** 100 0 25 0 20.42 23.39 22.29 0.169 20.85 99 0 20.85 23.86 22.76 0.189 1 1 23.86 132072 1720.0 132189 1731.7 16QAM 100 25 20.94 0.124 0 0 19.97 18.38 22.04 20MHz+ 99 0.200 1 1 0 24.09 21.66 24.10 23.00 132397 1752.5 132514 1764.2 16QAM 5MHz 100 20.93 0.124 0 25 0 19.40 19.14 22.03 1 99 1 0 23.68 21.15 23.69 22.59 0.182 132522 1765.0 132639 1776.7 16QAM 100 0 25 0 19.71 19.27 22.24 21.14 0.130 1 99 1 0 22.14 18.93 22.14 21.04 0.127 132072 1720.0 132189 1731.7 64QAM 100 0 25 0 19.57 18.89 22.02 20.92 0.124 22.02 20MHz+ 1 99 1 0 22.02 19.07 20.92 0.124 132397 1752.5 1764.2 64QAM 132514 5MHz 100 0 25 0 18.82 19.35 21.80 20.70 0.117 99 1 0 21.28 18.08 21.28 20.18 0.104 1 132522 1765.0 132639 1776.7 64QAM 100 0 25 0 19.31 18.00 21.46 20.36 0.109 16.94 1 99 1 0 20.03 20.03 18.93 0.078 132072 1720.0 132189 1731.7 256QAM 100 0 25 0 17.86 16.38 19.99 18.89 0.077 20MHz+ 99 20.15 19.05 0.080 1 1 0 20.15 17.09 132397 1752.5 132514 1764.2 256QAM 5MHz 100 0 25 0 17.44 17.04 20.00 18.90 0.078 1 99 1 0 20.43 17.43 20.43 19.33 0.086 132522 1765.0 132639 1776.7 256QAM 100 0 25 0 17.75 17.35 20.29 19.19 0.083

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Part 27 / RSS 139_ EIRP Limit (W) OUTPUT POWER FOR LTE BAND 66C (10MHz + 20MHz) Antenna Gain -0.2 PCC EIRP EIRP SCC1 Conducted PCC SCC1 Modulation Bandwidth RB RB Average (dBm) Average Average MHz MHz Size Offset Size Offset PCC SCC1 Earfcn Earfcn (dBm) Total (W) 23.74 49 24.68 23.58 0.228 0 21.65 132027 1715.5 132171 1729.9 QPSK 100 20.11 23.17 22.07 50 0 0 20.26 0.161 22.53 10MHz+ 23.43 22.33 1 49 1 0 20.41 0.171 132328 1745.6 132472 1760.0 **QPSK** 20MHz 20.17 50 0 100 0 23.08 21.98 0.158 20.01 49 0 22.07 23.97 25.06 23.96 0.249 1 1 132428 1755.6 132572 1770.0 **QPSK** 50 0 100 0 20.33 23.19 22.09 0.162 20.07 49 0 23.22 24.28 23.18 0.208 1 1 21.34 132027 1715.5 132171 1729.9 16QAM 50 100 21.00 0.126 0 0 19.20 19.03 22.10 10MHz+ 49 22.70 0.186 1 1 0 20.72 22.73 23.80 132328 1745.6 132472 1760.0 16QAM 20MHz 50 20.86 0.122 0 100 0 18.90 19.04 21.96 49 1 0 20.94 23.12 24.10 23.00 0.200 1 132428 1755.6 132572 1770.0 16QAM 50 0 100 0 18.99 19.27 22.12 21.02 0.126 49 1 0 19.27 21.21 22.23 21.13 0.130 1 132027 1715.5 132171 1729.9 64QAM 50 0 100 0 19.28 19.11 22.18 21.08 0.128 10MHz+ 1 49 1 0 18.03 20.05 21.11 20.01 0.100 132328 1745.6 132472 1760.0 64QAM 18.82 20MHz 50 0 100 0 18.65 21.73 20.63 0.116 49 0 18.62 20.64 21.70 20.60 0.115 1 1 132428 1755.6 132572 1770.0 64QAM 50 100 0 0 18.83 18.13 21.48 20.38 0.109 1 49 1 0 17.44 19.18 20.20 19.10 0.081 132027 1715.5 132171 1729.9 256QAM 100 18.99 50 0 0 17.16 17.05 20.09 0.079 10MHz+ 49 20.02 18.92 0.078 1 1 0 17.05 19.03 132328 1745.6 1760.0 132472 256QAM 20MHz 50 0 100 0 16.93 17.05 19.98 18.88 0.077 49 1 0 16.91 19.12 20.11 19.01 0.080 1 1755.6 132428 132572 1770.0 256QAM 50 0 100 0 17.04 17.24 20.13 19.03 0.080

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Part 27 / RSS 139_ EIRP Limit (W) OUTPUT POWER FOR LTE BAND 66C (15MHz + 15MHz) Antenna Gain -0.2 PCC EIRP EIRP SCC1 Conducted PCC SCC1 Modulation Bandwidth RB RB Average (dBm) Average Average Size MHz MHz Offset Size Offset PCC SCC1 Earfcn Earfcn Total (dBm) (W) 21.75 74 21.74 24.75 23.65 0.232 0 132047 1717.5 132197 1732.5 QPSK 19.98 23.08 21.98 75 0 75 0 20 .15 0.158 15MHz+ 74 21.13 23.02 1 1 0 21.09 24.12 0.200 132347 1747.5 132497 1762.5 **QPSK** 15MHz 75 0 75 0 20.02 20.15 23.10 22.00 0.158 74 0 22.24 24.72 23.62 0.230 1 1 21.11 132447 1757.5 132597 1772.5 **QPSK** 75 0 75 0 20.36 23.26 22.16 0.164 20.14 74 0 21.09 24.09 22.99 0.199 1 1 21.07 132047 1717.5 132197 1732.5 16QAM 75 0 75 20.89 0.123 0 19.05 18.90 21.99 15MHz+ 74 22.65 0.184 1 1 0 20.19 21.23 23.75 132347 1747.5 132497 1762.5 16QAM 15MHz 75 20.89 0.123 0 75 0 18.89 19.08 21.99 1 74 1 0 21.32 20.46 23.92 22.82 0.191 132447 1757.5 132597 1772.5 16QAM 75 0 75 0 19.02 19.20 22.12 21.02 0.126 1 74 1 0 19.58 18.93 22.28 21.18 0.131 132047 1717.5 132197 1732.5 64QAM 75 0 75 0 19.14 18.93 22.05 20.95 0.124 15MHz+ 1 74 1 0 17.76 17.91 20.85 19.75 0.094 132347 1747.5 132497 1762.5 64QAM 15MHz 75 0 75 0 18.78 18.87 21.83 20.73 0.118 1 74 1 0 18.43 18.71 21.59 20.49 0.112 132447 1757.5 132597 1772.5 64QAM 75 0 75 0 18.43 18.57 21.51 20.41 0.110 1 74 1 0 17.29 16.97 20.14 19.04 0.080 132047 1717.5 132197 1732.5 256QAM 18.97 75 0 75 0 17.15 16.98 20.07 0.079 15MHz+ 18.76 0.075 1 74 1 0 17.11 16.57 19.86 132347 1747.5 1762.5 132497 256QAM 15MHz 75 0 75 0 16.89 17.08 20.00 18.90 0.078 1 74 1 0 17.36 17.33 20.35 19.25 0.084 132447 1757.5 132597 1772.5 256QAM 75 0 75 0 17.49 16.76 20.16 19.06 0.081

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Part 27 / RSS 139_ EIRP Limit (W) OUTPUT POWER FOR LTE BAND 66C (20MHz + 10MHz) Antenna Gain -0.2 PCC EIRP EIRP SCC1 Conducted PCC SCC1 Modulation Bandwidth RB RB Average (dBm) Average Average Offset MHz MHz Size Size Offset PCC SCC1 Earfcn Earfcn Total (dBm) (W) 21.48 99 24.03 25.03 23.93 0.247 0 132072 1720.0 132216 1734.4 QPSK 20.03 100 23.13 22.03 0 50 0 20.25 0.160 21.56 20MHz+ 99 23.44 1 1 0 23.30 24.54 0.221 132373 1750.1 132517 1764.5 **QPSK** 10MHz 100 0 50 0 20 20.23 23.15 22.05 0.160 99 0 23.87 22.47 24.97 23.87 0.244 1 1 132473 1760.1 132617 1774.5 **QPSK** 100 0 50 0 20.37 23.26 22.16 0.164 20.18 99 0 20.35 23.93 22.83 0.192 1 1 23.01 132072 1720.0 132216 1734.4 16QAM 100 20.92 0.124 0 50 0 19.17 18.88 22.02 20MHz+ 99 22.55 0.180 1 1 0 22.66 20.69 23.65 132373 1750.1 132517 1764.5 16QAM 10MHz 100 20.92 0.124 0 50 0 18.96 19.11 22.02 1 99 1 0 22.66 20.53 23.67 22.57 0.181 132473 1760.1 132617 1774.5 16QAM 100 0 50 0 19.06 19.29 22.16 21.06 0.128 1 99 1 0 21.10 19.21 22.14 21.04 0.127 132072 1720.0 132216 1734.4 64QAM 100 0 50 0 19.16 18.94 22.04 20.94 0.124 19.81 20MHz+ 1 99 1 0 17.64 20.73 19.63 0.092 132373 1750.1 1764.5 64QAM 132517 10MHz 100 0 50 0 18.72 18.80 21.75 20.65 0.116 99 1 0 19.98 18.15 20.93 19.83 0.096 1 132473 1760.1 132617 1774.5 64QAM 100 0 50 0 18.23 18.40 21.30 20.20 0.105 1 99 1 0 19.07 16.66 20.10 19.00 0.079 132072 1720.0 132216 1734.4 256QAM 100 18.98 0 50 0 17.20 16.98 20.08 0.079 20MHz+ 99 18.65 0.073 1 1 0 18.48 17.04 19.75 132373 1750.1 132517 1764.5 256QAM 10MHz 100 0 50 0 17.50 16.52 20.03 18.93 0.078 1 99 1 0 18.87 17.09 19.95 18.85 0.077 132473 1760.1 132617 1774.5 256QAM 100 0 50 0 17.16 17.35 20.24 19.14 0.082

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Part 27 / RSS 139 EIRP Limit (V

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Antenna Gai			-0.2			OUTP	JT POWE	ER FOF	R LTE BA	ND 66C	(15MHz +	20MHz)		
Bandwidth	PC	cc	SC	C1	Modulation	-	CC RB	-	CC1 RB		Conducte erage (dE		EIRP Average	EIRP Average
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset	PCC	SCC1	Total	(dBm)	(W)
	132050	1717.8	132221	1734.9	QPSK	1	74	1	0	21.77	21.68	24.74	23.64	0.231
	152050	1717.0	102221	1754.5	QION	75	0	100	0	20.22	20.09	23.17	22.07	0.161
15MHz+	132325	1745.3	132496	1762.4	QPSK	1	74	1	0	21.09	21.13	24.12	23.02	0.200
20MHz	102020	17-10.0	102430	1102.4	QUOIN	75	0	100	0	20.03	20.20	23.13	22.03	0.160
	132401	1752.9	132572	1770.0	QPSK	1	74	1	0	21.33	22.49	24.96	23.86	0.243
	102-101	1702.5	102072	1110.0	QUON	75	0	100	0	20.08	20.33	23.22	22.12	0.163
	132050	1717.8	132221	1734.9	16QAM	1	74	1	0	21.07	20.92	24.01	22.91	0.195
	102000	1717.0	102221	1704.0	1000/111	75	0	100	0	19.11	18.97	22.05	20.95	0.124
15MHz+	132325	1745.3	132496	1762.4	16QAM	1	74	1	0	20.64	20.73	23.69	22.59	0.182
20MHz	102020	17 10.0	102 100	17 02.1	1000/111	75	0	100	0	18.92	19.11	22.02	20.92	0.124
	132401	1752.9	132572	1770.0	16QAM	1	74	1	0	20.71	21.17	23.95	22.85	0.193
	102 101	1102.0	TOZOTZ	1110.0	1000/111	75	0	100	0	19.50	18.72	22.14	21.04	0.127
	132050	1717.8	132221	1734.9	64QAM	1	74	1	0	18.77	19.29	22.05	20.95	0.124
	102000	1111.0	102221	1701.0	0100/111	75	0	100	0	19.22	18.99	22.11	21.01	0.126
15MHz+	132325	1745.3	132496	1762.4	64QAM	1	74	1	0	18.40	18.39	21.40	20.30	0.107
20MHz	102020	11 10.0	102100		0100.00	75	0	100	0	18.63	18.84	21.75	20.65	0.116
	132401	1752.9	132572	1770.0	64QAM	1	74	1	0	19.01	18.74	21.89	20.79	0.120
					••••	75	0	100	0	18.26	18.55	21.42	20.32	0.108
	132050	1717.8	132221	1734.9	256QAM	1	74	1	0	16.61	17.58	20.13	19.03	0.080
						75	0	100	0	17.12	16.91	22.03	20.93	0.124
15MHz+	132325	1745.3	132496	1762.4	256QAM	1	74	1	0	16.72	16.61	19.68	18.58	0.072
20MHz						75	0	100	0	16.85	17.10	19.99	18.89	0.077
	132401	1752.9	132572	1770.0	256QAM	1	74	1	0	16.85	17.37	20.12	19.02	0.080
						75	0	100	0	16.90	17.27	20.10	19.00	0.079

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Part 27 / RSS 139_ EIRP Limit (V

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OUTPUT POWER FOR LTE BAND 66C (20MHz + 15MHz)

Antenna Gai			-0.2			OUTP	JT POWE	ER FOF	r lte ba	ND 66C	20MHz +	15MHz)		
Bandwidth	PC	c	SC	C1	Modulation		CC RB		CC1 RB	-	Conducte erage (dE		EIRP Average	EIRP Average
	Earfcn	MHz	Earfcn	MHz		Size	Offset	Size	Offset	PCC	SCC1	Total	(dBm)	(W)
	132072	1720.0	132243	1737.1	QPSK	1	99	1	0	21.89	21.85	24.88	23.78	0.239
	102012	1720.0	1022.10	1707.1	Gron	100	0	75	0	20.29	20.08	23.19	22.09	0.162
20MHz+	132348	1747.6	132519	1764.7	QPSK	1	99	1	0	21.62	21.65	24.64	23.54	0.226
15MHz	102010	17 17.0	102010		di oli	100	0	75	0	20.07	20.21	23.16	22.06	0.161
	132423	1755.1	132594	1772.2	QPSK	1	99	1	0	21.84	21.88	24.87	23.77	0.238
	102420	1700.1	102004	1112.2	QUON	100	0	75	0	20.08	20.36	23.23	22.13	0.163
	132072	1720.0	132243	1737.1	16QAM	1	99	1	0	21.40	21.42	24.42	23.32	0.215
	102012	1720.0	1022-10	1707.1	1000/101	100	0	75	0	19.11	18.88	22.01	20.91	0.123
20MHz+	132348	1747.6	132519	1764.7	16QAM	1	99	1	0	20.91	21.44	24.19	23.09	0.204
15MHz	102040	1747.0	102010	1704.7	1000/101	100	0	75	0	18.79	19.10	21.96	20.86	0.122
	132423	1755.1	132594	1772.2	16QAM	1	99	1	0	21.08	21.50	24.30	23.20	0.209
	102420	1700.1	102004	1112.2	TOQAM	100	0	75	0	19.00	19.22	22.11	21.01	0.126
	132072	1720.0	132243	1737.1	64QAM	1	99	1	0	18.93	19.17	22.06	20.96	0.125
	102072	1720.0	102240	1757.1		100	0	75	0	19.13	19.00	22.05	20.95	0.124
20MHz+	132348	1747.6	132519	1764.7	64QAM	1	99	1	0	18.51	18.38	21.35	20.25	0.106
15MHz	102040	1747.0	102010	1704.7		100	0	75	0	18.50	18.68	21.60	20.50	0.112
	132423	1755.1	132594	1772.2	64QAM	1	99	1	0	18.48	18.67	21.57	20.47	0.111
	102420	1755.1	102004	1112.2		100	0	75	0	18.18	18.49	21.35	20.25	0.106
	132072	1720.0	132243	1737.1	256QAM	1	99	1	0	17.05	16.97	20.05	18.95	0.079
	152072	1720.0	132243	1757.1	2000,710	100	0	75	0	17.09	16.85	19.98	18.88	0.077
20MHz+	132348	1747.6	132519	1764.7	256QAM	1	99	1	0	16.94	17.34	20.16	19.06	0.081
15MHz	1020-0		102013	1104.1		100	0	75	0	16.91	17.12	20.03	18.93	0.078
	132423	1755.1	132594	1772.2	256QAM	1	99	1	0	17.39	17.54	20.48	19.38	0.087
	102720	1100.1	102004	1112.2	20000/11/1	100	0	75	0	17.54	16.71	20.15	19.05	0.080

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Part 27 / RSS 139 EIRP Limit (V

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OUTPUT POWER FOR LTE BAND 66C (20MHz + 20MHz) Antenna Gain -0.2 PCC SCC1 Conducted EIRP EIRP PCC SCC1 Bandwidth Modulation RB RB Average (dBm) Average Average MHz Earfcn MHz Earfcn Size Offset Size Offset PCC SCC1 Total (dBm) (W) 99 0 23.22 20.03 24.92 23.82 0.241 1 1 132072 1720.0 132270 1739.8 **QPSK** 100 100 20.17 0 19.96 23.07 21.97 0.157 0 20MHz+ 21.63 21.72 1 99 1 0 24.69 23.59 0.229 1745.1 132521 **QPSK** 132323 1764.9 20MHz 100 0 100 0 19.99 20.15 23.08 21.98 0.158 1 99 0 20.68 20.73 23.71 22.61 0.182 1 132374 1750.2 QPSK 132572 1770.0 100 100 0 20.02 20.29 23.17 22.07 0.161 0 99 0 21.07 21.15 24.12 23.02 0.200 1 1 132072 1720.0 132270 1739.8 16QAM 100 100 0 0 19.18 19.01 22.11 21.01 0.126 20MHz+ 99 1 0 20.63 21.73 24.23 0.206 1 23.13 132323 1745.1 132521 1764.9 16QAM 20MHz 22.13 100 100 0 19.01 19.23 21.03 0 0.127 0 19.55 0.150 1 99 1 20.15 22.87 21.77 132374 1750.2 132572 1770.0 16QAM 100 0 100 0 19.02 19.33 21.09 0.129 22.19 1 99 1 0 19.22 18.91 22.08 20.98 0.125 132072 1720.0 132270 1739.8 64QAM 100 0 100 0 19.30 19.02 22.17 21.07 0.128 20MHz+ 1 99 1 0 18.76 18.96 21.87 20.77 0.119 1764.9 132323 1745.1 132521 64QAM 20MHz 100 0.119 0 100 0 18.73 18.99 21.87 20.77 16.93 0 17.19 20.07 99 18.97 0.079 1 1 132374 1750.2 132572 1770.0 64QAM 100 0 100 0 18.55 18.82 21.70 20.60 0.115 99 0 16.91 17.37 19.06 0.081 20.16 1 1 132072 1720.0 132270 1739.8 256QAM 100 100 0 0 17.29 17.03 20.17 19.07 0.081 20MHz+ 0 17.06 20.21 1 99 1 17.33 19.11 0.081 132323 1745.1 132521 256QAM 1764.9 20MHz 100 0 100 0 17.03 17.32 20.19 19.09 0.081 99 1 0 16.21 16.00 19.12 18.02 0.063 1 132572 132374 1750.2 1770.0 256QAM 100 0 100 0 17.05 17.40 20.24 19.14 0.082

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Part 24 _ EIRP Limit (W) 1 OUTPUT POWER FOR LTE BAND 66B (5MHz + 5MHz) Antenna Gain -0.2 EIRP EIRP PCC SCC1 Conducted PCC SCC1 Bandwidth Modulation RB RB Average (dBm) Average Average MHz MHz Size Offset Size Offset PCC SCC1 Earfcn Earfcn Total (dBm) (W) 20.97 22.06 24.54 24.34 0.272 24 0 131997 1712.5 132045 1717.3 QPSK 20.13 25 25 23.16 22.96 0 0 20.17 0.198 24 21.47 24.30 24.50 0.269 5MHz+ 1 1 0 QPSK 132398 1752.6 132446 1757.4 25 20.04 0 25 0 20.07 23.07 22.87 0.194 5MHz 24 21.76 21.69 1 0 24.72 24.52 0.283 1 132599 1772.7 1777.5 QPSK 132647 20.38 23.21 25 0 25 0 20.43 23.41 0.209 24 21.56 1 1 0 20.47 24.05 23.85 0.243 131997 1712.5 132045 1717.3 16QAM 22.08 25 0 25 0 19.28 19.27 22.28 0.161 5MHz+ 24 0 20.74 21.19 23.97 23.77 0.238 1 1 132398 1752.6 132446 1757.4 16QAM 5MHz 25 0 25 0 18.97 19.07 22.03 21.83 0.152 24 0 21.39 24.01 0.252 1 1 21.03 24.21 132599 1772.7 132647 1777.5 16QAM 25 0 25 22.31 0.170 0 19.43 19.57 22.51 24 0.148 1 1 0 18.84 18.97 21.91 21.71 131997 1712.5 132045 1717.3 64QAM 25 0.153 0 25 0 19.14 18.96 22.06 21.86 0.157 5MHz+ 1 24 1 0 19.67 18.55 22.15 21.95 132398 1752.6 132446 1757.4 64QAM 5MHz 25 0 25 0 19.05 19.00 22.04 21.84 0.153 1 24 1 0 18.49 19.49 22.02 21.82 0.152 132599 1772.7 132647 1777.5 64QAM 25 0 25 0 18.90 19.00 21.96 21.76 0.150 24 0 17.33 16.98 0.099 1 20.16 19.96 1 131997 1712.5 1717.3 132045 256QAM 25 0 25 20.07 0.102 0 17.33 17.19 20.27 0.103 5MHz+ 24 0 17.57 17.05 20.12 1 1 20.32 132398 1752.6 132446 1757.4 256QAM 5MHz 25 0 25 0 17.01 17.09 20.06 19.86 0.097 1 24 1 0 17.57 17.69 20.64 20.44 0.111 132599 1772.7 132647 1777.5 256QAM 25 25 20.29 0 0 17.91 17.01 20.49 0.107

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Part 27 / RSS 139_ EIRP Limit (W) OUTPUT POWER FOR LTE BAND 66B (5MHz + 10MHz) Antenna Gain -0.2 PCC EIRP EIRP SCC1 Conducted PCC SCC1 Bandwidth Modulation RB RB Average (dBm) Average Average MHz MHz Size Offset Size Offset PCC SCC1 Earfcn Earfcn Total (dBm) (W) 23.07 21 89 24.88 24.68 0.294 24 0 132000 1712.8 132072 1720.0 QPSK 20.22 20.18 25 50 23.18 22.98 0 0 0.199 22.88 24 24.43 0 21.66 24.63 0.277 5MHz+ 1 1 QPSK 132375 1750.3 132447 1757.5 25 0 50 0 19.98 20.07 23.02 22.82 0.191 10MHz 24 21.92 23.02 24.91 0.296 1 0 1 24.71 132550 1767.8 1775.0 QPSK 132622 20.29 20.42 25 0 50 0 23.34 23.14 0.206 24 1 1 0 21.90 21.73 24.15 23.95 0.248 132000 1712.8 132072 1720.0 16QAM 21.82 25 0 50 0 19.12 18.95 22.02 0.152 5MHz+ 24 0 20.56 22.30 24.01 23.81 0.240 1 1 132375 1750.3 132447 1757.5 16QAM 10MHz 25 0 50 0 18.84 18.86 21.83 21.63 0.146 24 0 24.07 23.87 0.244 1 1 20.94 22.31 132550 1767.8 132622 1775.0 16QAM 25 0 21.92 0.156 50 0 19.06 19.22 22.12 24 0.155 1 1 0 19.04 20.16 22.09 21.89 132000 1712.8 132072 1720.0 64QAM 25 21.81 0.152 0 50 0 19.03 19.02 22.01 0.141 5MHz+ 1 24 1 0 18.80 19.75 21.70 21.50 132375 1750.3 132447 1757.5 64QAM 10MHz 25 0 50 0 18.88 18.92 21.89 21.69 0.148 1 24 1 0 19.34 19.91 21.95 21.75 0.150 132550 1767.8 132622 1775.0 64QAM 25 0 50 0 18.81 18.92 21.84 21.64 0.146 24 0 19.98 0.100 1 17.24 18.28 20.18 1 132000 1712.8 132072 1720.0 256QAM 25 0 50 0.097 0 17.13 17.03 20.06 19.86 0.092 5MHz+ 24 1 0 16.94 18.00 19.66 1 19.86 132375 1750.3 132447 1757.5 256QAM 10MHz 25 0 50 0 16.81 16.91 19.84 19.64 0.092 1 24 1 0 17.70 18.39 20.28 20.08 0.102 132550 1767.8 132622 1775.0 256QAM 25 19.91 0 50 0 17.06 17.18 20.11 0.098

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Part 27 / RSS 139_ EIRP Limit (W) 1 OUTPUT POWER FOR LTE BAND 66B (10MHz + 5MHz) Antenna Gain -0.2 PCC EIRP EIRP SCC1 Conducted PCC SCC1 Bandwidth Modulation RB RB Average (dBm) Average Average MHz MHz Size Offset Size Offset PCC SCC1 Earfcn Earfcn Total (dBm) (W) 21.85 49 22.90 24.82 24.62 0.290 0 132022 1715.0 132094 1722.2 **QPSK** 50 25 20.24 20.10 23.15 22.95 0 0 0.197 22.44 22.21 24.52 10MHz+ 49 0 24.72 0.283 1 1 QPSK 132397 1752.5 132469 1759.7 20.10 50 0 25 0 20.12 23.09 22.89 0.195 5MHz 49 22.78 20.96 24.31 0.270 1 0 24.51 1 132572 1770.0 QPSK 132644 1777.2 20.37 50 0 25 0 20.34 23.33 23.13 0.206 22.94 1 49 1 0 21.36 24.61 24.41 0.276 132022 1715.0 132094 1722.2 16QAM 21.80 50 0 25 0 9.05 18.97 22.00 0.151 10MHz+ 49 0 22.17 21.24 24.15 23.95 0.248 1 1 132397 1752.5 132469 1759.7 16QAM 5MHz 50 0 25 0 18.38 19.39 21.90 21.70 0.148 49 0 21.09 23.97 23.77 0.238 1 1 21.99 132572 1770.0 132644 1777.2 16QAM 50 25 21.97 0.157 0 0 19.21 19.16 22.17 49 0.154 1 1 0 20.43 18.56 22.08 21.88 132022 1715.0 132094 1722.2 64QAM 50 21.85 0.153 0 25 0 19.11 19.01 22.05 10MHz+ 1 49 1 0 20.22 19.19 22.14 21.94 0.156 132397 1752.5 132469 1759.7 64QAM 5MHz 50 0 25 0 18.92 18.91 21.90 21.70 0.148 1 49 1 0 20.01 18.56 21.73 21.53 0.142 132572 1770.0 132644 1777.2 64QAM 50 0 25 0 18.86 18.89 21.86 21.66 0.147 49 0 0.096 1 18.21 17.04 20.04 19.84 1 132022 1715.0 1722.2 132094 256QAM 50 0 25 0.096 0 17.11 16.95 20.02 19.82 49 0.091 10MHz+ 0 17.90 16.74 19.61 1 1 19.81 132397 1752.5 132469 1759.7 256QAM 5MHz 50 0 25 0 16.92 17.00 19.94 19.74 0.094 1 49 1 0 18.31 17.03 20.22 20.02 0.100 132572 1770.0 132644 1777.2 256QAM 25 50 0 0 17.16 17.18 20.15 19.95 0.099

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Part 27 / RSS 139_ EIRP Limit (W) OUTPUT POWER FOR LTE BAND 66B (5MHz + 15MHz) Antenna Gain -0.2 PCC EIRP EIRP SCC1 Conducted PCC SCC1 Bandwidth Modulation RB RB Average (dBm) Average Average MHz MHz Size Offset Size Offset PCC SCC1 Earfcn Earfcn Total (dBm) (W) 25.56 25.58 25.38 0.345 24 0 132002 1713.0 132095 1722.3 **QPSK** 20.54 25 75 20.28 23.20 23.00 0 0 0.200 24 24.47 24.28 21 96 24.48 0.268 5MHz+ 1 1 0 QPSK 132353 1748.1 132446 1757.4 25 22.79 0 75 0 19.91 20.45 22.99 0.190 15MHz 24 22.38 25.35 25.35 25.15 1 0 0.327 1 132504 1763.2 QPSK 132597 1772.5 25 0 75 0 20.20 20.66 23.26 23.06 0.202 24 24.46 1 1 0 21.78 24.46 24.26 0.267 132002 1713.0 132095 1722.3 16QAM 25 0 75 0 19.08 19.36 22.00 21.80 0.151 5MHz+ 24 0 24.12 24.12 23.92 0.247 1 1 21.76 132353 1748.1 132446 1757.4 16QAM 15MHz 25 0 75 0 18.83 19.31 21.88 21.68 0.147 24 0 24.29 24.29 24.09 0.256 1 1 21.90 132504 1763.2 132597 1772.5 16QAM 25 0 75 21.90 0.155 0 19.03 19.55 22.10 24 0.153 1 1 0 19.12 22.06 22.06 21.86 132002 1713.0 132095 1722.3 64QAM 25 0.152 0 75 0 19.15 19.28 22.03 21.83 0.147 5MHz+ 1 24 1 0 18.78 21.86 21.86 21.66 132353 1748.1 132446 1757.4 64QAM 15MHz 25 0 75 0 18.85 19.25 21.85 21.65 0.146 1 24 1 0 19.12 22.22 22.22 22.02 0.159 132504 1763.2 132597 1772.5 64QAM 25 0 75 0 19.04 19.53 22.10 21.90 0.155 24 0 17.18 20.24 0.101 1 20.24 1 20.04 132002 1713.0 132095 1722.3 256QAM 25 0 75 0.098 0 16.66 17.86 20.12 19.92 0.091 5MHz+ 24 1 0 19.81 1 16.87 19.81 19.61 132353 1748.1 132446 1757.4 256QAM 15MHz 25 0 75 0 16.78 17.36 19.87 19.67 0.093 1 24 1 0 16.90 20.11 20.11 19.91 0.098 132504 1763.2 132597 1772.5 256QAM 25 19.96 0 75 0 17.14 17.58 20.16 0.099

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Part 27 / RSS 139_ EIRP Limit (W) OUTPUT POWER FOR LTE BAND 66B (10MHz + 10MHz) Antenna Gain -0.2 PCC EIRP EIRP SCC1 Conducted PCC SCC1 Modulation Bandwidth RB RB Average (dBm) Average Average MHz MHz Size Offset Size Offset PCC SCC1 Earfcn Earfcn Total (dBm) (W) 21.49 49 25.05 24.85 0.305 0 132022 1715.0 132121 1724.9 **QPSK** 20.01 50 50 20.21 23.12 22.92 0 0 0.196 22.01 21.99 24.81 10MHz+ 49 0 25.01 0.303 1 1 QPSK 132373 1750.1 132472 1760.0 10MHz 50 0 50 0 19.87 20.00 22.95 22.75 0.188 21.85 24.68 0.294 49 0 21.88 24.88 1 1 132523 1765.1 132622 1775.0 QPSK 20.34 50 0 50 0 20.13 23.25 23.05 0.202 21.55 1 49 1 0 21 47 24.52 24.32 0.270 132022 1715.0 132121 1724.9 16QAM 22.00 50 0 50 0 19.28 19.08 22.20 0.158 10MHz+ 49 0 21.40 20.67 24.06 23.86 0.243 1 1 132373 1750.1 132472 1760.0 16QAM 19.15 10MHz 50 0 50 0 19.05 22.11 21.91 0.155 49 0 24.29 24.09 0.256 1 1 21.38 21.17 132523 1765.1 132622 1775.0 16QAM 50 22.12 0.163 0 50 0 19.17 19.45 22.32 49 0.159 1 1 0 19.43 18.96 22.21 22.01 132022 1715.0 132121 1724.9 64QAM 50 0.159 0 50 0 19.32 19.08 22.21 22.01 10MHz+ 0.148 1 49 1 0 18.94 18.82 21.89 21.69 132373 1750.1 132472 1760.0 64QAM 10MHz 50 0 50 0 18.93 19.09 22.02 21.82 0.152 1 49 1 0 19.12 18.96 22.05 21.85 0.153 132523 1765.1 132622 1775.0 64QAM 50 0 50 0 19.18 19.24 22.22 0.159 22.02 49 0 0.096 1 17.08 16.97 20.04 19.84 1 132022 1715.0 1724.9 132121 256QAM 50 0 50 0.100 0 17.26 17.13 20.20 20.00 10MHz+ 49 1 0 17.07 16.89 19.80 0.095 1 20.00 132373 1750.1 132472 1760.0 256QAM 10MHz 16.99 50 0 50 0 17.09 20.05 19.85 0.097 19.90 1 49 1 0 16.98 17.20 20.10 0.098 132523 1765.1 132622 1775.0 256QAM 50 0 50 0 17.24 17.35 20.31 20.11 0.103

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Part 27 / RSS 139_ EIRP Limit (W) 1 OUTPUT POWER FOR LTE BAND 66B (15MHz + 5MHz) Antenna Gain -0.2 PCC EIRP EIRP SCC1 Conducted PCC SCC1 Modulation Bandwidth RB RB Average (dBm) Average Average Size MHz MHz Offset Size Offset PCC SCC1 Earfcn Earfcn Total (dBm) (W) 22.47 25.40 25.20 0.331 74 0 25.38 132047 1717.5 132140 1726.8 QPSK 20.01 75 25 23.13 22.93 0 0 20.61 0.196 22.16 74 25.14 25.15 24.95 0.313 15MHz+ 1 1 0 QPSK 132398 1752.6 132491 1761.9 75 0 25 0 20.45 20.21 23.05 22.85 0.193 5MHz 74 24.93 21.43 24.94 24.74 0.298 0 1 1 132549 1767.7 1777.0 QPSK 132642 19.23 75 0 25 0 21.42 23.30 23.10 0.204 74 21.29 1 1 0 24.30 24.31 24.11 0.258 132047 1717.5 132140 1726.8 16QAM 21.74 75 0 25 0 19.48 18.80 21.94 0.149 15MHz+ 74 0 23.87 21.68 23.87 23.67 0.233 1 1 132398 1752.6 132491 1761.9 16QAM 5MHz 75 0 25 0 19.20 18.85 21.82 21.62 0.145 74 0 24.11 21.46 24.12 23.92 0.247 1 1 132549 1767.7 132642 1777.0 16QAM 75 25 21.96 0.157 0 0 19.49 19.26 22.16 74 0.161 1 1 0 22.27 19.32 22.27 22.07 132047 1717.5 132140 1726.8 64QAM 0.152 75 0 25 0 19.42 18.99 22.02 21.82 74 0.150 15MHz+ 1 1 0 21.94 19.25 21.95 21.75 132398 1752.6 132491 1761.9 64QAM 5MHz 75 0 25 0 18.83 19.50 21.96 21.76 0.150 1 74 1 0 21.70 18.80 21.70 21.50 0.141 132549 1767.7 132642 1777.0 64QAM 75 0 25 0 19.68 18.45 21.93 21.73 0.149 74 0 20.00 19.80 0.095 1 1 15.58 20.00 132047 1717.5 132140 1726.8 256QAM 75 0 25 0.095 0 17.48 16.90 19.99 19.79 0.093 15MHz+ 74 0 19.87 16.32 19.67 1 1 19.87 132398 1752.6 132491 1761.9 256QAM 5MHz 75 0 25 0 17.31 16.93 19.92 19.72 0.094 1 74 1 0 20.43 18.08 20.43 20.23 0.105 132549 1767.7 132642 1777.0 256QAM 25 75 0 0 17.57 17.20 20.16 19.96 0.099

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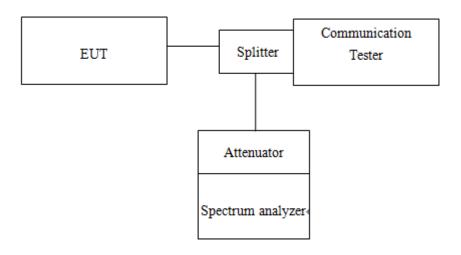


8 OCCUPIED BANDWIDTH MEASUREMENT

8.1 Standard Applicable

The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power.

8.2 Test Set-up



8.3 Measurement Procedure

99% &26dB Bandwidth with detector peak

The EUT's output RF connector was connected with a short cable to the spectrum analyzer, RBW was set to about 1% of emission BW, VBW= 3 times RBW, -26dBc display line was placed on the screen (or 26dB bandwidth), the occupied bandwidth is the delta frequency between the two points where the display line intersects the signal trace. Then set RBW to 99% bandwidth, RBW= 1%, VBW= 3 RBW, with span > 2 * Signal BW, set % Power = 99%.

99% Bandwidth with detector sample

The EUT's output RF connector was connected with a short cable to the spectrum analyzer, RBW was set to about $1\% \sim 5\%$ of emission BW, VBW= 3 times RBW, -20dBc display line was placed on the screen (or 20dB bandwidth). Set RBW to 99% bandwidth, RBW= $1\% \sim 5\%$, VBW= 3 RBW, with span > 2 * Signal BW, set % Power = 99%.

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8.4 **Measurement Result**

LTE BAND 2C

Band	Bandwidth	RB Allocation/RB	Freqency			BW Hz)				B BW Hz)	
		Offset	(MHz)	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
LTE BAND 2C	5MHz + 20MHz	25/0 + 100/0	1880.0	22.991	22.954	22.961	22.991	24.45	24.34	24.39	24.46
LTE BAND 2C	20MHz + 5MHz	100/0 + 25/0	1880.0	22.815	22.949	22.95	22.938	24.52	24.49	24.44	24.49
LTE BAND 2C	10MHz + 15MHz	50/0 + 75/0	1880.0	23.208	23.174	23.209	23.249	24.84	24.72	29.15	24.75
LTE BAND 2C	15MHz + 10MHz	75/0 + 50/0	1880.0	23.184	23.208	23.192	23.169	24.86	24.82	24.91	24.95
LTE BAND 2C	10MHz + 20MHz	50/0 + 100/0	1880.0	27.859	27.883	27.871	27.813	29.93	29.68	29.68	29.58
LTE BAND 2C	20MHz + 10MHz	100/0 + 50/0	1880.0	27.881	27.840	27.885	27.838	29.84	29.65	29.73	29.73
LTE BAND 2C	15MHz + 15MHz	75/0 + 75/0	1880.0	28.457	28.453	28.418	28.449	34.02	30.41	30.5	30.52
LTE BAND 2C	15MHz + 20MHz	75/0 + 100/0	1880.0	32.771	32.814	32.756	32.759	35.01	34.92	34.98	35.03
LTE BAND 2C	20MHz + 15MHz	100/0 + 75/0	1880.0	32.787	32.738	32.742	32.759	34.97	34.87	34.98	35.08
LTE BAND 2C	20MHz + 20MHz	100/0 + 100/0	1880.0	37.805	37.720	37.747	37.726	44.73	41.33	40.18	40.23

LTE BAND 5B

Band	Bandwidth	RB Allocation/RB	Freqency		99% (M	BW Hz)			26 dl (M	B BW Hz)	
		Offset	(MHz)	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
LTE BAND 5B	5MHz + 10MHz	25/0 + 50/0	836.5	13.909	13.906	13.911	13.909	14.89	14.93	14.82	14.86
LTE BAND 5B	10MHz + 5MHz	50/0 + 25/0	836.5	13.943	13.914	13.907	13.91	14.89	14.8	14.86	14.8
LTE BAND 5B	10MHz + 10MHz	50/0 + 50/0	836.5	18.814	18.835	18.8	18.816	20.17	20.09	20.18	20.08

LTE BAND 7C

Band	Bandwidth	RB Allocation/RB	Freqency		99% (M	BW Hz)				B BW Hz)	
		Offset	(MHz)	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
LTE BAND 7C	10MHz + 20MHz	50/0 + 100/0	2535.0	27.854	27.833	27.775	27.788	29.69	29.58	29.63	29.73
LTE BAND 7C	20MHz + 10MHz	100/0 + 50/0	2535.0	27.919	27.851	27.865	27.851	29.75	29.66	29.7	29.82
LTE BAND 7C	15MHz + 15MHz	75/0 + 75/0	2535.0	28.447	28.414	28.429	28.425	30.45	30.38	30.34	30.32
LTE BAND 7C	15MHz + 20MHz	75/0 + 100/0	2535.0	32.763	32.704	32.691	32.735	34.78	34.73	34.82	34.89
LTE BAND 7C	20MHz + 15MHz	100/0 + 75/0	2535.0	32.754	32.777	32.735	32.681	34.86	34.92	34.99	34.85
LTE BAND 7C	20MHz + 20MHz	100/0 + 100/0	2535.0	37.646	37.616	37.63	37.693	39.59	39.48	39.43	39.56

LTE BAND 38C

Band	Bandwidth	RB Allocation/RB	Freqency		99% (M	BW Hz)			26 dl (M	3 BW Hz)	
		Offset	(MHz)	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
LTE BAND 38C	15MHz + 15MHz	75/0 + 75/0	2595.0	28.457	28.443	28.44	28.459	31.28	30.98	31.73	30.97
LTE BAND 38C	20MHz + 20MHz	100/0 + 100/0	2595.0	37.782	37.788	37.693	37.752	41.65	41.26	41.08	41.71

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LTE BAND 41C

Band	Bandwidth	RB Allocation/RB	Freqency		99% (M					B BW Hz)	
		Offset	(MHz)	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
LTE BAND 41C	5MHz + 20MHz	25/0 + 100/0	2593.0	22.957	22.986	22.959	22.995	24.79	25.73	24.54	24.87
LTE BAND 41C	20MHz + 5MHz	100/0 + 25/0	2593.0	23.019	22.993	22.941	22.987	25.02	25.66	24.45	24.83
LTE BAND 41C	10MHz + 20MHz	50/0 + 100/0	2593.0	27.907	27.847	27.86	27.87	30.65	31.75	30.43	30.23
LTE BAND 41C	20MHz + 10MHz	100/0 + 50/0	2593.0	27.88	27.872	27.871	27.869	30.66	29.7	31.26	30.31
LTE BAND 41C	15MHz + 15MHz	75/0 + 75/0	2593.0	28.47	28.457	28.453	28.434	30.76	30.46	32.46	30.76
LTE BAND 41C	15MHz + 20MHz	75/0 + 100/0	2593.0	32.798	32.753	32.725	32.742	36.42	36.24	35.68	35.58
LTE BAND 41C	20MHz + 15MHz	100/0 + 75/0	2593.0	32.771	32.812	32.748	32.755	35.9	36.09	35.56	35.42
LTE BAND 41C	20MHz + 20MHz	100/0 + 100/0	2593.0	37.679	37.768	37.766	37.73	44.38	41.61	41.28	40.98

LTE BAND 66C

Band	Bandwidth	RB Allocation/RB	Freqency		99% (M	BW Hz)				B BW Hz)	
		Offset	(MHz)	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
LTE BAND 66C	5MHz + 20MHz	25/0 + 100/0	1745.0	22.973	22.947	22.933	22.92	24.46	24.42	24.37	24.55
LTE BAND 66C	20MHz + 5MHz	100/0 + 25/0	1745.0	23.007	22.957	22.981	22.954	24.51	24.34	24.37	24.25
LTE BAND 66C	10MHz + 15MHz	50/0 + 75/0	1745.0	23.203	23.238	23.255	23.179	24.87	24.79	24.88	24.8
LTE BAND 66C	15MHz + 10MHz	75/0 + 50/0	1745.0	23.212	23.225	23.238	23.19	24.88	24.93	26.57	24.75
LTE BAND 66C	10MHz + 20MHz	50/0 + 100/0	1745.0	27.862	27.847	27.923	27.835	29.63	29.57	30.12	29.83
LTE BAND 66C	20MHz + 10MHz	100/0 + 50/0	1745.0	27.906	27.884	27.856	27.836	29.84	29.71	29.57	29.92
LTE BAND 66C	15MHz + 15MHz	75/0 + 75/0	1745.0	28.438	28.453	28.436	28.429	31.03	30.45	30.42	30.44
LTE BAND 66C	15MHz + 20MHz	75/0 + 100/0	1745.0	32.789	32.782	32.758	32.744	34.87	35.07	34.93	34.85
LTE BAND 66C	20MHz + 15MHz	100/0 + 75/0	1745.0	32.786	32.743	32.768	32.739	34.95	34.72	35	34.95
LTE BAND 66C	20MHz + 20MHz	100/0 + 100/0	1745.0	37.748	37.689	37.708	37.683	40.23	40.12	40.29	40.2

LTE BAND 66B

Band	Bandwidth	RB Allocation/RB	Freqency		99% (M					B BW Hz)	
		Offset	(MHz)	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
LTE BAND 66B	5MHz + 5MHz	25/0 + 25/0	1745.0	9.2737	9.272	9.2605	9.2638	9.941	10.01	9.968	10.02
LTE BAND 66B	5MHz + 10MHz	25/0 + 50/0	1745.0	13.888	13.878	13.903	13.882	14.84	14.72	14.85	14.85
LTE BAND 66B	10MHz + 5MHz	50/0 + 25/0	1745.0	13.898	13.927	13.889	13.896	14.85	14.85	14.85	14.87
LTE BAND 66B	5MHz + 15MHz	25/0 + 75/0	1745.0	18.224	18.226	18.218	18.192	19.2	19.2	19.29	19.21
LTE BAND 66B	15MHz + 5MHz	75/0 + 25/0	1745.0	18.256	18.264	18.264	18.233	19.49	19.33	19.24	19.35
LTE BAND 66B	10MHz + 10MHz	50/0 + 50/0	1745.0	18.819	18.840	18.79	18.837	20.11	20.04	20.11	20.03

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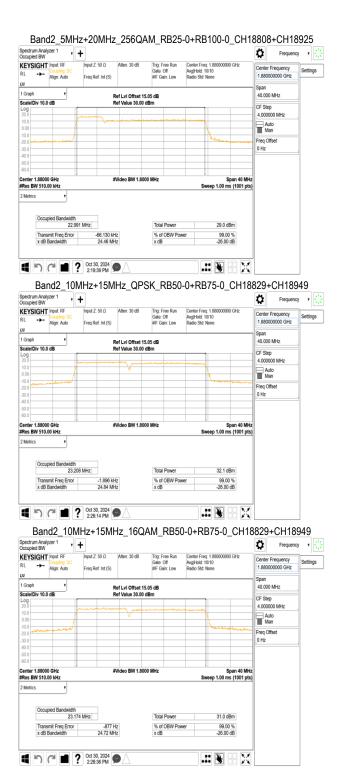
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RL + Align: Auto	Input Z: 50 Ω Freq Ref. Int (S)	Atten: 30 dB	Trig: Free Run Gate: Off #IF Gain: Low	Center Fre Avg Hold: Radio Std:	q: 1.880000000 GHz 10/10 None	Center Frequency 1.88000000 GHz	Settings
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Upar 1 Graph	Re	f Lvi Offset 15.0	5 dB			Span 40.000 MHz	
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400 0 Center 1,88000 GH2 Res BW 3100 M42 22 Metrics	n 554 MHz 24.34 MHz 24.34 MHz 24.34 MHz 24.34 MHz 24.34 MHz 24.34 MHz 1HZ+20MHz ↓ IHZ+20MHz ↓ IHZ+20MHz Freq Ref. Int (S) Ref. 100 (S) Ref.		Total Power % of OBW Pow x dB 1_RB25- Trig. Free Run Gale. Of #IF Gain. Low 35 dB	ver 0+RB	30.9 dBm 99.00 % -26.00 dB 100-0_CH18 a 188000000 GHz 100-0_CH2	Center Frequency 1.88000000 GHz Span 40.000 MHz	» • 👯
40.0 Center 1,80000 GH2 Res BW 310.00 H42 22 Matrics	n 554 MHz 24.34 MHz 24.34 MHz 24.34 MHz 24.34 MHz 24.34 MHz 24.34 MHz 1HZ+20MHz ↓ IHZ+20MHz ↓ IHZ+20MHz Freq Ref. Int (S) Ref. 100 (S) Ref.	64QAN	Total Power % of OBW Pow x dB 1_RB25- Trig. Free Run Gale. Of #IF Gain. Low 35 dB	ver 0+RB	30.9 dBm 99.00 % -26.00 dB 100-0_CH18 a 188000000 GHz 100-0_CH2	Frequency Center Frequency 1.88000000 GHz Span	» • 👯
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A00 Center 1,85000 GH2 Res BW 510.00 H2 Z2 Mitrics Occupied Bandwidt Z2 Transmit Free Trans Toopen Transmit Free Toopen Transmit Free Toopen Transmit Band22_5M Bend22_5M	n 554 MHz 24.34 MHz 24.34 MHz 24.34 MHz 24.34 MHz 24.34 MHz 24.34 MHz 1HZ+20MHz ↓ IHZ+20MHz ↓ IHZ+20MHz Freq Ref. Int (S) Ref. 100 (S) Ref.	64QAN	Total Power % of OBW Pow x dB 1_RB25- Trig. Free Run Gale. Of #IF Gain. Low 35 dB	ver 0+RB	30.9 dBm 99.00 % -26.00 dB 100-0_CH18 a 188000000 GHz 100-0_CH2	Center Frequency 1.88000000 GHz Span 40.000 MHz CF Step 4.00000 MHz Auto Man	» • 👯
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400 0 Center 1,88000 GH2 Res BW 310.00 H2 22 Metrics	n 554 MHz 24.34 MHz 24.34 MHz 24.34 MHz 24.34 MHz 24.34 MHz 24.34 MHz 1HZ+20MHz ↓ IHZ+20MHz ↓ IHZ+20MHz Freq Ref. Int (S) Ref. 100 (S) Ref.	64QAN	Total Power % of OBW Pow x dB 1_RB25- Trig. Free Run Gale. Of #IF Gain. Low 35 dB	ver 0+RB		Frequency Center Frequency 1.88000000 GHz Span 40.000 MHz CF Step 4.00000 MHz CF Step 4.00000 MHz Auto Man Freq Offset	» • 👯
A00 0 Center 1,85000 0H2 Center 1,85000 0H2 Center 1,85000 0H2 Center 1,85000 0H2 Center 1,95000 0H2 Center 1,95000 0H2 Center 1,9500 Ce	n 554 MHz 24.34 MHz 24.34 MHz 24.34 MHz 24.34 MHz 24.34 MHz 24.34 MHz 1HZ+20MHz ↓ IHZ+20MHz ↓ IHZ+20MHz Freq Ref. Int (S) Ref. 100 (S) Ref.	64QAN	Total Power % of OBW Pow x dB 1_RB25- Trig. Free Run Gale. Of #IF Gain. Low 35 dB	ver 0+RB		Frequency Center Frequency 1.88000000 GHz Span 40.000 MHz CF Step 4.00000 MHz CF Step 4.00000 MHz Auto Man Freq Offset	» • 👯
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Allo Carther 1,88000 GH2 Res BW 310.00 H2 22 Mitrics	h 954 MHz 24.34 MHz 24.34 MHz 24.34 MHz 24.34 MHz 24.34 MHz 1Hz+20MHz Hz+20MHz Freq Ref. Int (S) Ref Ref		Total Power % of OBW Pow x dB 1_RB25- Trg: Free Run Gate: Off Wit Gain: Low 3 dB	ver 0+RB Center Fre Augitidi Radio Str	30.9 dBm 98.00 % -26.00 dB 100-0_CH18 100-0_CH18 100-0_CH18 100-0_CH18	Frequency Center Frequency 1.880000000 GHz Span 40.000 MHz CF Step 4.00000 MHz Man Freq Offset 0 Hz	» • 👯
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Allo Coccepied Bandwidt 22 Matrics 21 Matrics 22 Matrics 21 Matrics 22 Matrics 21 Matrics 22 Matrics 21 Matrics 22 Matrics 21 Matrices 21 Mat	h 554 MHz 24.34 MHz 24.34 MHz 218.43 PM IHZ+20MHz + прид Z 50 0 Freq Ref. Int (S) Ref. Int (S) Ref. Int (S) Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания Карания		Total Power % of OBW Pow x dB 1_RB25- Trg: Free Run Gate: Off Wit Gain: Low 3 dB	ver 0+RB Center Fre Augitidi Radio Str	30.9 dBm 30.9 dBm 98.00 % 26.00 dB Image: Constraint of the state of th	Frequency Center Frequency 1.880000000 GHz Span 40.000 MHz CF Step 4.00000 MHz Man Freq Offset 0 Hz	» • 👯
Allo Coccepied Bandwidt 22 Matrics 21 Matrics 22 Matrics 21 Matrics 22 Matrics 21 Matrics 22 Matrics 21 Matrics 22 Matrics 21 Matrices 21 Mat	h 954 MH₂ 24.34 MH₂ 24.34 MH₂ 24.34 MH₂ 24.34 MH₂ 1H2+20MHz 1H2+20MHz 1H2+20MHz Freq Ref. Int (S) Reg Ref. 101 101 101 101 101 101 101 10		Total Power St of OBW Pow x dB 1_RB25- Trg: Froe fban Galac Off HIF Gan: Low 5 dB m WHz	eer • • • • • • • • • • • • •	30.9 dBm 990.00 % 30.9 dBm 990.00 % 26.00 dB 26.00 dB 100-0_CH18 1 100-0_CH18	Frequency Center Frequency 1.880000000 GHz Span 40.000 MHz CF Step 4.00000 MHz Man Freq Offset 0 Hz	» • 👯



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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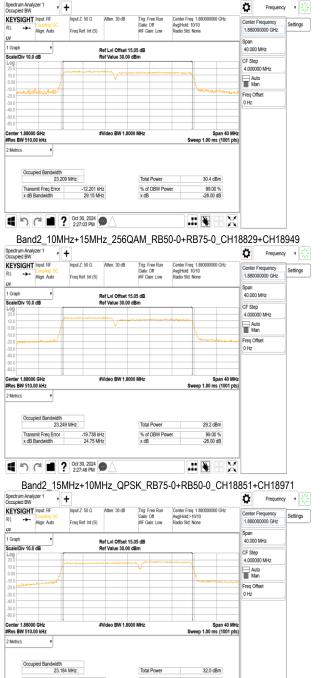
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C 1 0 C 1 0, 2024

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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 90 days only.

99.00 % -26.00 dB

🖲 -- X

% of OBW Power x dB

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Transmit Freq Error

€ C ■ ? Oct 30, 2024

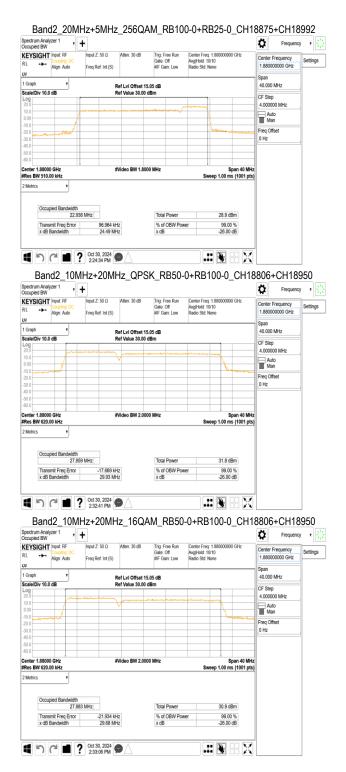
26.240 kHz 24.86 MHz

f (886-2) 2298-0488

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pectrum Analyzer 1 locupied BW	+			‡	Frequency •
KEYSIGHT Input: RF	Input Z: 50 Ω Atten: 30 dB	Trig: Free Run Gate: Off	Center Freq: 1.880000000 GH Avg[Hold: 10/10	Z Center Fre	
RL 🕂 Align: Auto	Freq Ref: Int (S)	#IF Gain: Low	Radio Std: None	1.880000	000 GHz
çar 1 Graph r				Span	
1 Graph Scale/Div 10.0 dB	Ref Lvi Offset 1 Ref Value 30.00			40.000 M	Hz
Log				CF Step 4.000000	MHz
10.0	for many many many many	- manufacture		Auto	
0.00				Man	
-20.0				Freq Offse	t
-30.0				0 Hz	
50.0					
Center 1.88000 GHz	#Video BW 1.80	00 MHz	Span	40 MHz	
Res BW 510.00 kHz			Sweep 1.00 ms (10	01 pts)	
2 Metrics •					
Occupied Bandwidth	n B15 MHz	Total Power	32.2 dBm		
Transmit Freq Error		% of OBW Pov			
x dB Bandwidth	24.52 MHz	x dB	-26.00 dB		
1 5 C 1	? Oct 30, 2024 2:23:10 PM			X	
	MHz+5MHz_16QA	M_RB10)-0+RB25-0_C	H18875+0	CH18992
Spectrum Analyzer 1 Docupied BW	+			4	Frequency •
KEYSIGHT Input: RF	Input Z: 50 Q Atten: 30 dB	Trig: Free Run	Center Freq: 1.880000000 GH		quency
RL ++ Coupling: DC Align: Auto	Freq Ref: Int (S)	Gate: Off #IF Gain: Low	Avg Hold: 10/10 Radio Std: None	1.880000	
Ça 👘				Span	
1 Graph	Ref LvI Offset 1			40.000 M	Hz
Scale/Div 10.0 dB	Ref Value 30.00	dBm		CF Step	
20.0		marine /	and the second s	4.000000	MHz
0.00	/			Auto Man	
-10.0			muchanter	Freq Offse	t
-30.0				0 Hz	
.50.0					
			6	40 MHz	
60.0	differe Pill 4 00				
	#Video BW 1.80	00 MHz	Sweep 1.00 ms (10	01 pts)	
-60.0 Center 1.88000 GHz	1 #Video BW 1.80	00 MHz	Sweep 1.00 ms (10	01 pts)	
60.0 Center 1.88000 GHz Res BW 510.00 kHz	#Video BW 1.80	00 MHz	Sweep 1.00 ms (10	<u>101 pts)</u>	
Center 1.88000 GHz Res BW 510.00 kHz Metrics Occupied Bandwidth	1		Sweep 1.00 ms (10	01 pts)	
Center 1.88000 GHz RRes BW 510.00 kHz 2 Metrics	1 949 MHz	Total Power	Sweep 1.00 ms (10 30.8 dBm	<u>01 pts)</u>	
Center 1.88000 GHz Res BW 510.00 kHz Metrics Occupied Bandwidth	1		Sweep 1.00 ms (10 30.8 dBm	<u>01 pts)</u>	
60.0 Center 1.88000 GHz RRes BW 510.00 kHz 2 Metrics v Occupied Bandwidth 22.5 Transmit Freq Error	1 949 MHz 101.31 kHz	Total Power % of OBW Pow	Sweep 1.00 ms (10 30.8 dBm wer 99.00 %	<u>01 pts)</u>	
80.0 GHz FRes BW 510.00 GHz FRes BW 510.00 KHz Z Metrics Occupied Bandwidth Z2.5 Transmit Freq Error x dB Bandwidth	1 49 MHz 101.31 KHz 24.49 MHz	Total Power % of OBW Pow	Sweep 1.00 ms (10 30.8 dBm ver 99.00 % -26.00 dB	<u>01 pts)</u>	
eo o Carlor 1.88000 GHz Ress BW 510.00 KHz 2 Metrics V Cocupied Bandwidth 22.5 Transmit Freq Error x dB Bandwidth	349 MHz 101.31 KHz 24.49 MHz Oct 30, 2024 223.32 PM	Total Power % of OBW Pow x dB	Sweep 1.00 ms (10 30.8 dBm 99.00 % -26.00 dB	<u>01 pts)</u>	
Coupled Bandwidth	1 49 MHz 101.31 KHz 24.49 MHz	Total Power % of OBW Pow x dB	Sweep 1.00 ms (10 30.8 dBm 99.00 % -26.00 dB	<u>01 pts)</u>	CH18992
Concurrent 1,8000 GHz Res BY 510,00 KHz 2 Matrics Coccupied Bandwidth 221 Transmit Free Error x dB Bandwidth Band/2_201 Band/2_201 Band/2_201	349 MHz 101.31 KHz 24.49 MHz Oct 30, 2024 223.32 PM	Total Power % of OBW Pow x dB	Sweep 1.00 ms (10 30.8 dBm 99.00 % -26.00 dB	<u>01 pts)</u>	CH18992 Frequency
Allo Carreter 1,88000 GH2 Rever 1,88000 GH2 Reverse BW 10,000 HH2 Z21 Transmit Freq Error x oB Bandwidth Bandd2_200 Spectrum Analyzer 1 , Scopies BW 1 , Scopies BW 1 ,	349 MHz 101.31 KHz 24.49 MHz Oct 30, 2024 223.32 PM	Total Power % of OBW Pox x dB M_RB100	Sweep 1.00 ms (10 30.8 dBm ver 99.00 % -26.00 dB -26.00 dB -00 + RB25-0_C Conter Freq 18000000 GH	H18875+(Frequency v
Concurrent 1.8000 GHz Res BY 510.00 kHz 21 Mircs Coccupied Bandwidth 221 Transmit Free Error x dB Bandwidth Band/2_201 Band/2_201 Band/2_201	1 101.31 HHz 24.49 MHz 223.32 PM ↓ 101.31 HHz 24.49 MHz 223.32 PM ↓ 101.31 HHz 24.49 MHz 223.32 PM ↓ 101.31 HHz 24.49 MHz 449 MHz 101.31 HHz 24.49 MHz 101.31 HHz 101.31 HZ 101.31 HHz 101.31 HZ 101.31 HZ	Total Power % of OBW Pow x dB	Sweep 1.00 ms (10 30.8 dBm ver 99.00 % -26.00 dB 	₩ H18875+(Frequency •
Allow Constraints of the second secon	NHTZ 101.31 KHZ 24.49 MHZ 223.32 PM VHZ+5MHZ_64QA Impat Z: 50 0	Total Power % of OBW Pow x dB M_RB100 Trig: Free Run Gate: Off	30.8 dBm wer 99.00 % -26.00 dB	101 pts) 111 111 111 111 111 111 111 1	Frequency •
Allo Carlet 1,8000 GHz Refer 1,8000 GHz Refer 10,000 Hz 224 Transmit Free Error x oB Bandvidth Band2 200 Band2 200 Sector In Nalver 1 Cocupied Bandvidth Carlet 1 Cocupied Sector 1 Cocupied Se	MHZ 101.31 6HZ 24.49 MHZ 24.49 MHZ 22.332 PM 22.332 PM MHZ+5MHZ_64QA t mont 2.50 Ω Maximum 2.64 QA t mont 2.50 Ω	Total Power % of OBW Pox x dB M_RB100 Trg: Free Run Gale: Of #IF Gain: Low 5.05 dB	30.8 dBm wer 99.00 % -26.00 dB	10 pb) 11 pb) 11 pb) 11 pb) 12 p	requency v quency Setting
Allo Center 1,8000 GHz Res BY 310,00 Hz Zatis Transmit Freg Error x dB Bandwidh Bandd2 200 Bendd2 200 Bendd2 200 Bendd2 200 Bendd2 200 Couple Bandwidh Couple Bandwidh Couple Allo Couple	A99 MH2 101.51 MH2 24.49 MH2 22.33 2PM ● VH2+5MH2_64QA + Input Z 50 Ω Prog Ref. Int (S)	Total Power % of OBW Pox x dB M_RB100 Trg: Free Run Gale: Of #IF Gain: Low 5.05 dB	30.8 dBm wer 99.00 % -26.00 dB		Frequency v quency Setting 000 GHz Hz
Allo Denter 1.88000 GH2 Res BW 10.00 kHz 22 Matrics	MHZ 101.31 6HZ 24.49 MHZ 24.49 MHZ 22.332 PM 22.332 PM MHZ+5MHZ_64QA t mont 2.50 Ω Maximum 2.64 QA t mont 2.50 Ω	Total Power % of OBW Pox x dB M_RB100 Trg: Free Run Gale: Of #IF Gain: Low 5.05 dB	30.8 dBm wer 99.00 % -26.00 dB	M M H18875+(Center Fire 1.88000 Span 40.000 - 675 Step - 4.00000	Frequency v quency Setting 000 GHz Hz
Concepted Bandwidt Concepted Bandwidt Z21 Transmit Freq Error x dB Bandwidth Concepted Bandwidth	MHZ 101.31 6HZ 24.49 MHZ 24.49 MHZ 22.332 PM 22.332 PM MHZ+5MHZ_64QA t mont 2.50 Ω Maximum 2.64 QA t mont 2.50 Ω	Total Power % of OBW Pox x dB M_RB100 Trg: Free Run Gale: Of #IF Gain: Low 5.05 dB	30.8 dBm wer 99.00 % -26.00 dB		Frequency v quency Setting 000 GHz Hz
Concepted Bandwidt Concepted Bandwidt Z21 Transmit Free Einr x dB Bandwidtm Concepted Bandwidtm	MHZ 101.31 6HZ 24.49 MHZ 24.49 MHZ 22.332 PM 22.332 PM MHZ+5MHZ_64QA t mont 2.50 Ω Maximum 2.64 QA t mont 2.50 Ω	Total Power % of OBW Pox x dB M_RB100 Trg: Free Run Gale: Of #IF Gain: Low 5.05 dB	30.8 dBm 90.00 % -26.00 dB -2	Center Fig Audo CF Step Center Fig Audo CF Step Center Fig Audo CF Step Center Fig	Frequency v quency Setting 000 GHz Hz MHz
Allo Carlet 1,8000 GH2 Res BY 31,000 GH2 Res BY 31,000 GH2 Tansmit Freq Error xansmit Freq Error xansmit Freq Error Bandv2D Bandv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2D Bendv2	MHZ 101.31 6HZ 24.49 MHZ 24.49 MHZ 22.332 PM 22.332 PM MHZ+5MHZ_64QA t mont 2.50 Ω Maximum 2.64 QA t mont 2.50 Ω	Total Power % of OBW Pox x dB M_RB100 Trg: Free Run Gale: Of #IF Gain: Low 5.05 dB	30.8 dBm 90.00 % -26.00 dB -2		Frequency v quency Setting 000 GHz Hz MHz
Allow Control Co	MHZ 101.31 6HZ 24.49 MHZ 24.49 MHZ 22.332 PM 22.332 PM MHZ+5MHZ_64QA t mont 2.50 Ω Maximum 2.64 QA t mont 2.50 Ω	Total Power % of OBW Pox x dB M_RB100 Trg: Free Run Gale: Of #IF Gain: Low 5.05 dB	30.8 dBm 90.00 % -26.00 dB -2	Center Fig Audo CF Step Center Fig Audo CF Step Center Fig Audo CF Step Center Fig	Frequency v quency Setting 000 GHz Hz MHz
2000 Center 1.8000 GHz Res BW 10.00 WHz 221 Transmit Free Einr x rB Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Bandwiden Ban	AB MH2 10131 642 24.49 MH2 24.49 MH2 22.332 PM ● ▲ VIH2+5MH2_64QA + Input Z 50 □ Attor: 30 dB Prog Ref. Int (5) Ref Lvi Offset 1 Ref Lvi Offset 1	Total Power % of OBW Poi x dB M_RB100 Trig Free Run Gate Of ## Can. Low 5.55 dB d5 dB	Sweep 1.00 ms (10 30.8 dBm ver 90.00 % -26.00 dB -26.00 dB -2	Center Freq Offee Auto Conter Freq Offee	Frequency v quency Setting 000 GHz Hz MHz
Allow Control Co	MHZ 101.31 6HZ 24.49 MHZ 24.49 MHZ 22.332 PM 22.332 PM MHZ+5MHZ_64QA t mont 2.50 Ω Maximum 2.64 QA t mont 2.50 Ω	Total Power % of OBW Poi x dB M_RB100 Trig Free Run Gate Of ## Can. Low 5.55 dB d5 dB	Sweep 1.00 ms (10 30.8 dBm ver 90.00 % -26.00 dB -26.00 dB -2	Center Fire Center Fire A00000 CF Stag A00000 CF Stag A00000 OHz	Frequency v quency Setting 000 GHz Hz MHz
	AB MH2 10131 642 24.49 MH2 24.49 MH2 22.332 PM ● ▲ VIH2+5MH2_64QA + Input Z 50 □ Attor: 30 dB Prog Ref. Int (5) Ref Lvi Offset 1 Ref Lvi Offset 1	Total Power % of OBW Poi x dB M_RB100 Trig Free Run Gate Of ## Can. Low 5.55 dB d5 dB	Sweep 1.00 ms (10	Center Fire Center Fire A00000 CF Stag A00000 CF Stag A00000 OHz	Frequency v quency Setting 000 GHz Hz MHz
Allo Cardier 1,80000 GH2 Res BW 310.00 HH2 22.14 HH2 24.14 HH2 25.14 HH2 25.14 HH2 26.14 HH2 26.14 HH2 27.14 HH2	AB MH2 10131 642 24.49 MH2 24.49 MH2 22.332 PM ● ▲ VIH2+5MH2_64QA + Input Z 50 □ Attor: 30 dB Prog Ref. Int (5) Ref Lvi Offset 1 Ref Lvi Offset 1	Total Power % of OBW Poi x dB M_RB100 Trig Free Run Gate Of ## Can. Low 5.55 dB d5 dB	Sweep 1.00 ms (10	Center Fire Center Fire A00000 CF Stag A00000 CF Stag A00000 OHz	Frequency v quency Setting 000 GHz Hz MHz
All Constant Co	Algo MHz 101.31 KHz 24.49 MHz 22.332 PM ● 22.332 PM ● VHZ+5MHz_64QA + Popd 2 50 0 Atten 30 dB Fing Ref List (S) Ref Value 30.00 Fing Ref List (S) Physics 0 BW 1.80	Total Power St of OBW Pow R dB M_RB10(Trg. Free Ren Wilf Cant. Low 5.05 dB dBm 00 MHz	Sweep 1.00 ms (10 90.8 dBm ver 90.00 % -26.00 dB	Center Fire Center Fire A00000 CF Stag A00000 CF Stag A00000 OHz	Frequency v quency Setting 000 GHz Hz MHz
Allow Constant Provided Bandwidth Carlos Constant Proceedings of the Carlos Constant P	A 349 MHz 101.31 6Hz 24.49 MHz 24.39 ZMHz 22.332 PM 22.332 PM 22.332 PM 10 700 RHz 150 0	Total Power % of OBW Poi x dB M_RB100 Trig Free Run Gate Of ## Can. Low 5.55 dB d5 dB	Sweep 1.00 ms (10 30.8 dBm wer 90.00 % -26.00 dB -26.00 dB -2	Center Fire Center Fire Conter Conter Fire Conter Conter Conter Conter Co	Frequency v quency Setting 000 GHz Hz MHz



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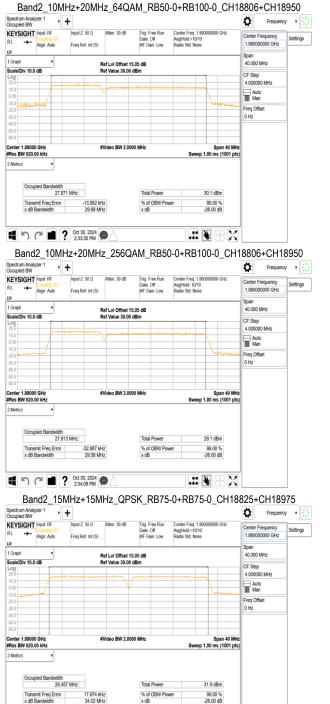
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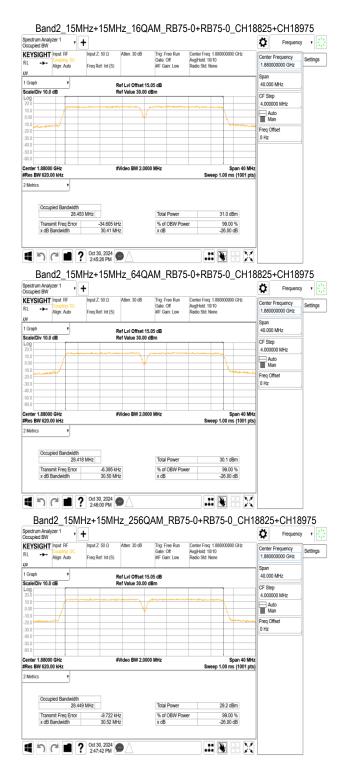
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1 C 1 C 24500 PM

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pectrum Analyzer 1 Occupied BW	+			Frequency 🕐
RL ++ Align: Auto	Input Z: 50 Ω Atten: 30 dB Freq Ref: Int (S)	Trig: Free Run Gate: Off #IF Gain: Low	Center Freq: 1.880000000 GHz Avg Hold: 10/10 Radio Std: None	Center Frequency 1.88000000 GHz Settings
ywr 1 Graph ▼				Span
Scale/Div 10.0 dB	Ref Lvi Offset 1 Ref Value 30.00			40.000 MHz CF Step
20.0	1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000	man prom		4.000000 MHz
10.0		×		Auto
10.0 and and a second			hallow	Freq Offset
30.0				0 Hz
50.0				
60.0 Center 1.88000 GHz	#Video BW 2.00	00 MHz	Span 40 MH	7
Res BW 620.00 kHz	FILCO DIT 2.00		Sweep 1.00 ms (1001 pts	
2 Metrics V				
Occupied Bandwidth				
27.88	81 MHz	Total Power	31.9 dBm	
Transmit Freq Error x dB Bandwidth	87.978 kHz 29.84 MHz	% of OBW Pow x dB	ver 99.00 % -26.00 dB	
 	Oct 30, 2024			
Band2_2UIVI	1 i∠+ I∪IVI⊟∠_10Q/ +		0-0+RB50-0_CH1	
CEVSIGHT Input: RF	Input Z: 50 Ω Atten: 30 dB	Trig: Free Run	Center Freq: 1.88000000 GHz	
RL ++ Align: Auto	Freq Ref: Int (S)	Gate: Off #IF Gain: Low	Avg Hold: 10/10 Radio Std: None	Center Frequency 1.880000000 GHz Settings
Na -	· · · · · · · · · · · · · · · · · · ·			Span
Graph r icale/Div 10.0 dB	Ref LvI Offset 1 Ref Value 30.00			40.000 MHz
_og	Nei Valde 30.00			CF Step 4.000000 MHz
10.0		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		Auto
10.0			- Commence	Man Stee Office
20.0				Freq Offset 0 Hz
40.0				
60.0				
Center 1.88000 GHz Res BW 620.00 kHz	#Video BW 2.00	DO MHZ	Span 40 MH Sweep 1.00 ms (1001 pts	z 5)
2 Metrics V				
Occupied Bandwidth 27.84	40 MHz	Total Power	30.9 dBm	
Transmit Freq Error x dB Bandwidth	127.90 kHz 29.65 MHz	% of OBW Pow x dB	ver 99.00 % -26.00 dB	
A GD Dalidwiddi	20.00 Miliz		420.00 00	
				1
	Oct 30, 2024 A			
Band2_20M	Hz+10MHz_64Q/	AM_RB10	0-0+RB50-0_CH1	
Band2_20M	Hz+10MHz_64Q/ +		0-0+RB50-0_CH1	Frequency v
Band2_20M Spectrum Analyzer 1 Cocupied BW KEYSIGHT Input: RF Couping DC	Hz+10MHz_64Q/ + Input Z: 50 Ω Atten: 30 dB	Trig: Free Run Gate: Off	0-0+RB50-0_CH1	Frequency V
Band2_20M Spectrum Analyzer 1 Cocupied BW KEYSIGHT Input: RF Cocuping DC Align: Auto	Hz+10MHz_64Q/ +	Trig: Free Run	0-0+RB50-0_CH1	Center Frequency Center Frequency Settings
Band2_20M Spectrum Analyzer 1 KEYSIGHT Input RF KEYSIGHT Cauping DC Align Auto 1 Graph +	Hz+10MHz_64Q/ + Input Z: 50 0 Freq Ref: Int (S) Ref Lvi Offset 1	Trig: Free Run Gate: Off #IF Gain: Low	0-0+RB50-0_CH1	Frequency V
Band2_20M Spectrum Analyzer 1 Sourced BW KEYSIGHT Input: RF Cooping: DO Align: Auto av I Graph Graph Graph Graph Graph Graph Graph	Hz+10MHz_64Q/ + Input Z: 50 0 Freq Ref. Int (S)	Trig: Free Run Gate: Off #IF Gain: Low	0-0+RB50-0_CH1	Center Frequency Center Frequency Laboro0000 GHz Span 40.000 MHz CF Step
Band2_20M	Hz+10MHz_64Q/ + Input Z: 50 0 Freq Ref: Int (S) Ref Lvi Offset 1	Trig: Free Run Gate: Off #IF Gain: Low	0-0+RB50-0_CH1	Center Frequency Center Frequency 1.8000000 GHz Span 4.000 MHz CF Step 4.00000 MHz
Band2_20M	Hz+10MHz_64Q/ + Input Z: 50 0 Freq Ref: Int (S) Ref Lvi Offset 1	Trig: Free Run Gate: Off #IF Gain: Low	0-0+RB50-0_CH1	Frequency Settings Center Frequency 1.8000000 GHz Settings Span 4.0.00 MHz CF Step 4.0000 MHz CF Step 4.0000 MHz Man Man
Band2_20M	Hz+10MHz_64Q/ + Input Z: 50 0 Freq Ref: Int (S) Ref Lvi Offset 1	Trig: Free Run Gate: Off #IF Gain: Low	0-0+RB50-0_CH1	Frequency Settings Center Frequency Settings Span 40.000 MHz CF Step 4.0000 MHz CF Step 4.0000 MHz Freq Offset Freq Offset
Band2_20M	Hz+10MHz_64Q/ + Input Z: 50 0 Freq Ref: Int (S) Ref Lvi Offset 1	Trig: Free Run Gate: Off #IF Gain: Low	0-0+RB50-0_CH1	Frequency Settings Center Frequency 1.8000000 GHz Settings Span 4.0.00 MHz CF Step 4.0000 MHz CF Step 4.0000 MHz Man Man
Band2_20M	Hz+10MHz_64Q/ + Input Z: 50 0 Freq Ref: Int (S) Ref Lvi Offset 1	Trig: Free Run Gate: Off #IF Gain: Low	0-0+RB50-0_CH1	Frequency Settings Center Frequency Settings Span 40.000 MHz CF Step 4.0000 MHz CF Step 4.0000 MHz Freq Offset Freq Offset
Band2_20M	Hz+10MHz_64Q/ + Input Z: 50 0 Freq Ref: Int (S) Ref Lvi Offset 1	Trig: Free Run Gale: Off #IF Gain: Low 5.05 dB dBm	0-0+RB50-0_CH1	Frequency
Band2_20M	Hz+10MHz_64Q/ + Proput2 50 0 Atten: 30 dB Prog Ref. Livi Offset 1 Ref Livi Offset 1 Ref Value 30.00	Trig: Free Run Gale: Off #IF Gain: Low 5.05 dB dBm	0-0+RB50-0_CH1	Frequency
Band2_20M perturn Analyzer 1 couples BW EVSIGHT Inverse W Crach 	Hz+10MHz_64Q/ + Proput2 50 0 Atten: 30 dB Prog Ref. Livi Offset 1 Ref Livi Offset 1 Ref Value 30.00	Trig: Free Run Gale: Off #IF Gain: Low 5.05 dB dBm	0-0+RB50-0_CH1	Frequency
Band2_20M pedrum Arakyzer 1 Coccepte Bir Key Sight Turk IF Rt → Corens 00 Graph Scale/Div 10.0 dB Corens 00 Cocepte Bandwidth Mintris → Coccepte Bandwidth	Hz+10MHz_64Q/ + mathematical and the second	Trig: Free Run Gale Of m m# F Gan Low 5.05 dB dBm 00 MHz	0-0+RB50-0_CH1 Center Frog 18800000 GHz Aggined 1010 Radio SH Nome Pressneed From Span 40 MH Sweep 1.00 ms (1991 pts	Frequency
Band2_20M	Hz+10MHz_64Q/ + Proput2 50 0 Atten: 30 dB Prog Ref. Livi Offset 1 Ref Livi Offset 1 Ref Value 30.00	Trig: Free Run Gale: Off #IF Gain: Low 5.05 dB dBm	0-0+RB50-0_CH1 Center Fing 18800000 GHz Angihidi 1010 Rado Skt None Span 40 MH Sweep 1.00 ms (1001 pt 30.0 dBm	Frequency

Band2_20MHz+10MHz_256QAM_RB100-0+RB50-0_CH18851+CH18995 Spectrum Analyzer 1 Occupied BW Frequency 🔥 Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 1.880000 Avg[Hold.>10/10 Radio Std: None KEYSIGHT Input: RF wt 7:50 0 Atten: 30 dB Center Frequ Center Frequency 1.880000000 GHz Settings Align: Auto reg Ref: Int (S) L)0 1 Graph 40 000 MH: Ref Lvi Offset 15.05 dB Ref Value 30.00 dBm Scale/Div 10.0 dB CF Step 4.000000 MHz Auto Man Freq Offset 0 Hz Span 40 MHz eep 1.00 ms (1001 pts) Center 1.88000 GHz #Res BW 620.00 kHz #Video BW 2.0000 N Occupied Bandwidth 27.838 MHz Total Power 29.1 dBm % of OBW Power x dB Transmit Freq Error x dB Bandwidth 121.55 kHz 29.73 MHz 99.00 % -26.00 dB € C ■ ? Oct 30, 2024 .# 💽 🗄 🗙 Band2_15MHz+20MHz_QPSK_RB75-0+RB100-0_CH18803+CH18974 Ö, Frequency . 1+ KEYSIGHT Input: RF Input Z: 50 Ω Atten: 30 dB Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 1.88000000 GHz Avg[Hold: 10/10 Badio Std: None Center Frequency Settings Align: Auto Freq Ref: Int (S) 1.880000000 GH Da Ref Lvi Offset 15.05 dB Ref Value 30.00 dBm 55.000 MHz Scale/Div 10.0 dB CF Step 5.500000 MHz Auto Man Freq Offset 0 Hz enter 1.88000 GHz Res BW 680.00 kHz #Video BW 2.2000 MH Span 55 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 32.771 MHz Total Power 31.9 dBm Transmit Freq Error x dB Bandwidth -76.870 kHz 35.01 MHz % of OBW Power x dB 99.00 % -26.00 dB € C C E ? Oct 30, 2024 JI 🖹 🗄 🗙 Band2_15MHz+20MHz_16QAM_RB75-0+RB100-0_CH18803+CH18974 Ö Spectrum Analya Occupied BW Frequency . · + KEYSIGHT Input: RF Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 1.88 Avg|Hold: 10/10 Radio Std: None Input Z: 50 Ω Center Frequency 1.88000000 GHz Settings -Align: Auto Freq Ref: Int (S) L)0 Span 55.000 MHz Ref Lvi Offset 15.05 dB Ref Value 30.00 dBm Scale/Div 10.0 dE CF Step 5.500000 MHz Auto Man Freq Offset 0 Hz Center 1 88000 GH #Video BW 2,2000 MHz an 55 MH: Span 55 MH Sweep 1.00 ms (1001 pts #Res BW 680.00 kH: Metrics

Occupied Bandwidth 32.814 MHz Total Power 30.9 dBm Transmit Freq Error x dB Bandwidth -53.526 kHz 34.92 MHz % of OBW Power x dB 99.00 % -26.00 dB € C C E ? Oct 30, 2024 3:06:31 PM JI 🕃 🗄 🗙

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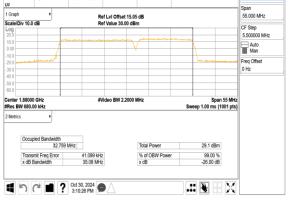
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Report No.: TERF2407002103ER Page: 77 of 225



Docupied BW	+					Frequence	sy ≀ }
KEYSIGHT Input: RF RL ++ Align: Auto	Input Z: 50 Ω /	Atten: 30 dB	Trig: Free Run Gate: Off #IF Gain: Low	Center Freq: Avg[Hold: 10 Radio Std: N	1.880000000 GHz 10 one	Center Frequency 1.88000000 GHz	Settings
çar 1 Graph v		Lvi Offset 15.05				Span 55.000 MHz	
Scale/Div 10.0 dB		Value 30.00 dB				CF Step	4
20.0		my man		_		5.500000 MHz	_
10.0		VT				Auto Man	
-10.0					mathematica	Freq Offset	-
-30.0						0 Hz	
-40.0							_
-60.0							
Center 1.88000 GHz Res BW 680.00 kHz	#Vi	deo BW 2.2000 I	WHZ	Sw	Span 55 MHz ep 1.00 ms (1001 pts)		
2 Metrics •							
Occupied Bandwidth 32.7	n 756 MHz		Total Power		30.0 dBm		
Transmit Freq Error	-63.670 kHz		% of OBW Pow	ver	99.00 %		
x dB Bandwidth	34.98 MHz		x dB		-26.00 dB		
	Oct 30 2024						
1 7 7 1	? Oct 30, 2024 3:06:51 PM	\square					
Band2_15M	Hz+20MHz	_256QA	M_RB75	5-0+RE	100-0_CH1	8803+CH1	8974
Spectrum Analyzer 1 Occupied BW	+					Frequence	ay 🕴
KEYSIGHT Input: RF	Input Z: 50 D	Atten: 30 dB	Trig: Free Run Gate: Off	Center Freq Avg[Hold: 10	1.880000000 GHz 10	Center Frequency	Settings
RL ++ Align: Auto	Freq Ref: Int (S)		#IF Gain: Low	Radio Std: N	ne	1.88000000 GHz	
1 Graph 🔹	Ref	Lvi Offset 15.05	dB			Span 55.000 MHz	
Scale/Div 10.0 dB	Ref	Value 30.00 dB	m			CF Step	1
20.0						5.500000 MHz	_
0.00		V				Auto Man	
-10.0					Janderson and and and and and and and and and an	Freq Offset	1
-30.0			_			0 Hz	_
-50.0							
-60.0 Center 1.88000 GHz	#Vi	deo BW 2.2000 I	WHz		Span 55 MHz		
Res BW 680.00 kHz			-	Sw	ep 1.00 ms (1001 pts)		
2 Metrics V							
	1						
Occupied Bandwidth			Total Power		29.2 dBm		
32.	759 MHz		N. of OBW P	what is	00.00.0/		
Occupied Bandwidtl 32. Transmit Freq Error x dB Bandwidth	759 MHz		% of OBW Pow x dB	ver	99.00 % -26.00 dB		
32.1 Transmit Freq Error	-60.924 kHz 35.03 MHz				-26.00 dB		
32: Transmit Freq Error x dB Bandwidth	-60.924 kHz	<u>\</u>					
32: Transmit Freq Error x dB Bandwidth	759 MHz -60.924 kHz 35.03 MHz Cot 30, 2024 3:07:17 PM		x dB		-26.00 dB	826+0118	997
32: Transmit Freq Error x dB Bandwidth Band2_201 Spectrum Analyzer 1	759 MHz -60.924 kHz 35.03 MHz Cot 30, 2024 3:07:17 PM		x dB		-26.00 dB		
32. Transmit Freq Error x dB Bandwidth Band2_201 Spectrum Analyzer 1	-60.924 kHz -60.924 kHz 35.03 MHz 0ct 30, 2024 3.07:17 PM MHz+15MH +	z_QPSK	x dB (_RB100	. :)-0+RE	-26.00 dB	Frequence	
32: Transmit Freq Error x dB Bandwidth Band2_201 Spectrum Analyzer 1	-60.924 kHz -60.924 kHz 35.03 MHz 0ct 30, 2024 3.07:17 PM MHz+15MH +		x dB C_RB100 Trig: Free Run Gate: Off	. :)-0+RE	-26.00 dB		
32: Transmit Free Error x dB Bandwidth Band2_201 Spectrum Analyzer 1 Socupied BW KEYSIGHT Insut RF REY Algor Auto	-60.924 kHz -60.924 kHz 35.03 MHz 9 0ct 30, 2024 3.07:17 PM WHz+15MH + Input Z 50 Ω	z_QPSK	x dB (_RB100)-0+RE	-26.00 dB	Frequency	oy • 👯
32. Transmit Freq Error x dB Bandwiddh Bandd2 2010 Spectrum Analyzer 1 Spectrum Analyzer 1 KEVSIGETT Indust Fit KEVSIGETT Indust Fit Agen Adda v	599 MHz 40.924 KHz 35.03 MHz 35.03 MHz 3.07:17 PM MHz+15MH + Input Z 50 0 Freq Ref. Int (5) Ref	Z_QPSK Nten: 30 dB	x dB C_RB100 Trig: Free Run Gate: Off #IF Gain: Low)-0+RE	-26.00 dB	Center Frequency 1.88000000 GHz	oy • 👯
22.2 Transmit Face Free x dB Bandwidth Bandd2 200 Section Makigen 1 Graph Competing Note Company Note Co	599 MHz 40.924 KHz 35.03 MHz 35.03 MHz 3.07:17 PM MHz+15MH + Input Z 50 0 Freq Ref. Int (5) Ref	Z_QPSK	x dB C_RB100 Trig: Free Run Gate: Off #IF Gain: Low)-0+RE	-26.00 dB	Center Frequency 1.88000000 GHz Span 55.000 MHz CF Step	oy • 👯
322 Transmit Free Error x dB Bandwidth Bandd2 200 Bendra 20	599 MHz 40.924 KHz 35.03 MHz 35.03 MHz 3.07:17 PM MHz+15MH + Input Z 50 0 Freq Ref. Int (5) Ref	Z_QPSK Nten: 30 dB	x dB C_RB100 Trig: Free Run Gate: Off #IF Gain: Low)-0+RE	-26.00 dB	Center Frequency 1.88000000 GHz Span 55.000 MHz	oy • 👯
32. Transmit Free Error x dB Bandv2. Band2_201 Spectrum Analyze 1 Spectrum Analy	599 MHz 40.924 KHz 35.03 MHz 35.03 MHz 3.07:17 PM MHz+15MH + Input Z 50 0 Freq Ref. Int (5) Ref	Z_QPSK Nten: 30 dB	x dB C_RB100 Trig: Free Run Gate: Off #IF Gain: Low)-0+RE	-26.00 dB	Center Frequency 1.88000000 GHz Span 55.0000 MHz CF Step 5.500000 MHz Auto Man	oy • 👯
32. Transmit Free Error x dB Bandwidth Bandd2_201 Bendd2_201 Bendd2_201 Coupled Bind Coupled	599 MHz 40.924 KHz 35.03 MHz 35.03 MHz 3.07:17 PM MHz+15MH + Input Z 50 0 Freq Ref. Int (5) Ref	Z_QPSK Nten: 30 dB	x dB C_RB100 Trig: Free Run Gate: Off #IF Gain: Low)-0+RE	-26.00 dB	Center Frequency 1.88000000 GHz Span 55.000 MHz CF Step 5.50000 MHz Auto Man Freq Offset	oy • 👯
32. Transmit Free Terror x dB Bandwidth Bandd2_201 Bendd2_201 Bendd2_201 Coupled Bind Coupled	599 MHz 40.924 KHz 35.03 MHz 35.03 MHz 3.07:17 PM MHz+15MH + Input Z 50 0 Freq Ref. Int (5) Ref	Z_QPSK Nten: 30 dB	x dB C_RB100 Trig: Free Run Gate: Off #IF Gain: Low)-0+RE	-26.00 dB	Center Frequency 1.88000000 GHz Span 55.0000 MHz CF Step 5.500000 MHz Auto Man	oy • 👯
22. Transmit Face From x dB Bandwidth Bandd2 200 Sector Makyzer 1 Camped Ban CEVSIGHT Indu 6 Compet Ban CEVSIGHT Indu 6 CEVSIGHT Indu	599 MHz 40.924 KHz 35.03 MHz 35.03 MHz 3.07:17 PM MHz+15MH + Input Z 50 0 Freq Ref. Int (5) Ref	Z_QPSK Nten: 30 dB	x dB C_RB100 Trig: Free Run Gate: Off #IF Gain: Low)-0+RE	-26.00 dB	Center Frequency 1.88000000 GHz Span 55.000 MHz CF Step 5.50000 MHz Auto Man Freq Offset	oy • 👯
22. Transmit Free Error x dB Bandwidth Band 2_ 200 Bend	599 MHz 90 KHz 93 K	Z_QPSK Nten: 30 dB	X dB	Center Freq Avgiriod. 10 Radio Std. N	-26.00 dB	Center Frequency 1.88000000 GHz Span 55.000 MHz CF Step 5.50000 MHz Auto Man Freq Offset	oy • 👯
Comparing Control Contro	599 MHz 90 KHz 93 K	Z_QPSK Ittor: 30 dB	X dB	Center Freq Avgiriod. 10 Radio Std. N	-26.00 dB	Center Frequency 1.88000000 GHz Span 55.000 MHz CF Step 5.50000 MHz Auto Man Freq Offset	oy • 👯
22. Transmit Free Error x dB Bandwidth Band 2_ 200 Bend	599 MHz 90 KHz 93 K	Z_QPSK Ittor: 30 dB	X dB	Center Freq Avgiriod. 10 Radio Std. N	-26.00 dB	Center Frequency 1.88000000 GHz Span 55.000 MHz CF Step 5.50000 MHz Auto Man Freq Offset	oy • 👯
Comparing the second sec	599 MHz 96 204 HHz 95 03 MHz 95 03 MHz 95 03 MHz 95 03 MHz 95 03 0 MHz 95 03 0 MHz 95 03 0 MHz 95 03 0 MHz 15 0 M 1	Z_QPSK Ittor: 30 dB	X dB	Center Freq Avgiriod. 10 Radio Std. N	-26.00 dB	Center Frequency 1.88000000 GHz Span 55.000 MHz CF Step 5.50000 MHz Auto Man Freq Offset	oy • 👯
	259 MHz 35.03 MHz 35.03 MHz 0ct 30, 2024 307:17 PM ● mput 2:50 0 Freq Ref. Int (5) Freq Ref. Int (5) ■ Ref ■ 7 787 MHz	Z_QPSK Ittor: 30 dB	X dB	Conter Frog Augited 10 Radio Std N	-26.00 dB	Center Frequency 1.88000000 GHz Span 55.000 MHz CF Step 5.50000 MHz Auto Man Freq Offset	oy • 👯

Spectrum Anal Occupied BW	10	•			Freque	ncy 🕇
KEYSIGHT		Input Z: 50 Ω Atte Freq Ref: Int (S)	n: 30 dB Trig: Free Run Gate: Off #IF Gain: Low	Center Freq: 1.88000000 Avg[Hold: 10/10 Radio Std: None	GHz Center Frequency 1.88000000 GHz	Settings
ar I Graph	•	Bofil	/I Offset 15.05 dB		Span 55.000 MHz	
icale/Div 10.) dB	Ref Vi	alue 30.00 dBm		CF Step	=
20.0	-		many promo		5.500000 MHz	_
0.00					Auto	
20.0	and				Freq Offset 0 Hz	
40.0					012	-
50.0						
Center 1.8800 Res BW 680.	0 GHz 00 kHz	≇ Vide	o BW 2.2000 MHz	Sweep 1.00 ms	pan 55 MHz (1001 pts)	
Tran	pied Bandwidth 32.73 smit Freq Error Bandwidth	8 MHz 60.766 kHz 34.87 MHz	Total Power % of OBW Pr x dB	31.0 dE ower 99.00 -26.00	%	
4 5	<	Oct 30, 2024				
	d2_20M	Hz+15MHz_	64QAM_RB10		_CH18826+CH1	
Cocupied BW	· 'Ľ	Input 7: 50 0 Atte	n: 30 dB Tria: Free Run	Center Freg: 1.88000000	Freque	icy •
RL +++		Freq Ref: Int (S)	Gate: Off #IF Gain: Low	Avg[Hold: 10/10 Radio Std: None	Center Frequency 1.880000000 GHz Span	Settings
1 Graph	,		vi Offset 15.05 dB		55.000 MHz	
Scale/Div 10.0	0 dB	Ref V	alue 30.00 dBm		CF Step 5.50000 MHz	
10.0	- r			montenen	Auto	-
10.0	- mark		Y	hanne	Freq Offset	
-20.0					0 Hz	
-40.0						_
-60.0 Center 1.8800	0.647	#Vide	o BW 2.2000 MHz		pan 55 MHz	
Res BW 680.	.00 kHz	#vide	5 BW 2.2000 MIN2	Sweep 1.00 ms	s (1001 pts)	
2 Metrics Occu	pied Bandwidth	2 MHz	Total Power	29.9 dE	Bm	
Tran: x dB	smit Freq Error Bandwidth	41.729 kHz 34.98 MHz	% of OBW Pe x dB	ower 99.00 -26.00		
49	6	Oct 30, 2024 3:09:47 PM	<u>\</u>			
Band			256QAM_RB1	00-0+RB75-0	CH18826+CH	
Spectrum Anal		<u> </u>	n: 30 dB Trig: Free Run	Center Freq: 1.88000000		
Spectrum Anal Docupied BW	Input: He	Ann China	Gate: Off #IF Gain: Low	Avg[Hold: 10/10 Radio Std: None	1.880000000 GHz	Settings
Spectrum Anal Docupied BW KEYSIGHT RL ++	Coupling: DC Align: Auto	Freq Ref: Int (S)			Span	
Spectrum Anal Docupied BW KEYSIGHT R L +++ (W 1 Graph	Coupling: DC Align: Auto	Ref Li	vi Offset 15.05 dB		55.000 MHz	_
Spectrum Anal Docupied BW KEYSIGHT RL ++- (w 1 Graph Scale/Div 10.1 Log	Coupling: DC Align: Auto	Ref Li	vi Offset 15.05 dB alue 30.00 dBm		CF Step	
Spectrum Anal Docupied BW KEYSIGHT RL ++ 1 Graph Scale/Div 10.1 Log 20.0 10.0	Coupling: DC Align: Auto	Ref Li			CF Step 5.500000 MHz	
Spectrum Anal Docupied BW KEYSIGHT RL →→ 1 Graph Scale/Div 10.1 Log 20.0 10.0 000 -10.0	Coupling: DC Align: Auto	Ref Li			CF Step 5.500000 MHz Auto Man	
Spectrum Analo Docupied BW KEYSIGHT RL →→ Scale/Div 10.1 Scale/Div 10.1 0.00 0.00 0.00 0.00 0.00 0.00 0.00	Coupling: DC Align: Auto	Ref Li			CF Step 5.500000 MHz	
Spectrum Anal Docupied BW (EYSIGHT RL →→ 307 1 Graph Scale/Div 10.1 Log 20.0 10.0 0.00 10.0 20.0	Coupling: DC Align: Auto	Ref Li			CF Step 5.500000 MHz Auto Man Freq Offset	
Spectrum Anala Docupied BW KEYSIGHT RL →- 30 1 Graph Scale/Div 10.1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Coupling, DC Align: Auto	Ref Li Ref Vi			CF Step 5.500000 MHz Auto Man Freq Offset	



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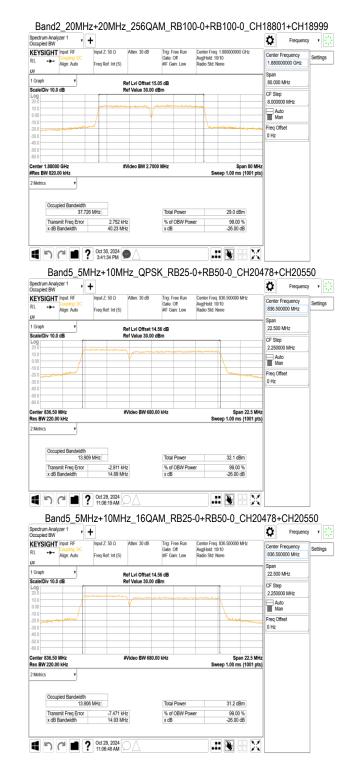
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€ C ■ ? Oct 30, 2024 ●

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	+					Ö	Frequency	
Coupled BW	Input Z: 50 Ω	Atten: 30 dB	Trig: Free Run Gate: Off	Center Freq: 1.8800000 Avg Hold: 10/10	0 GHz	Center	Frequency	Settings
RL ++ Align: Auto	Freq Ref: Int (S)		#IF Gain: Low	Radio Std: None			00000 GHz	<u> </u>
Graph T	R	ef Lvi Offset 15.0	5 dB			Span 80.000	MHz	
Scale/Div 10.0 dB	R	ef Value 30.00 dB	m	-		CF Step		
20.0						8.0000	00 MHz	
0.00		V				Aut Ma	to in	
20.0						Freq Of	fset	í
30.0						0 Hz		
50.0								
center 1.88000 GHz	#	Video BW 2,7000	MHz		ipan 80 MHz			
Res BW 820.00 kHz				Sweep 1.00 m				
? Metrics								
Occupied Bandwidth								
37.8	B05 MHz		Total Power	31.8 c	Bm			
Transmit Freq Error x dB Bandwidth	8.210 kH 44.73 MH		% of OBW Pov x dB	ver 99.0 -26.00				
in the prevention		-		-20.00				
4 h C 1	? Oct 30, 2024 3:40:10 PM	Δ		.: 🔖	X			
						L		
Band2_20M	Hz+20MHz	z_16QAN	1_RB100)-0+RB100-	0_CH1	880	1+CH18	3999
pectrum Analyzer 1	+					¢	Frequency	· · 🔆
KEYSIGHT Input: RF	Input Z: 50 Ω	Atten: 30 dB	Trig: Free Run Gate: Off	Center Freq: 1.8800000 Avg[Hold: 10/10	0 GHz		Frequency	Settings
L + Align: Auto	Freq Ref: Int (S)		#IF Gain: Low	Radio Std: None		1.8800	00000 GHz	
Graph T						Span 80.000	MUN	
Scale/Div 10.0 dB	R	ef Lvi Offset 15.0 ef Value 30.00 dB	m			CF Step		
.og 20.0						8.0000	00 MHz	
10.0		Υ				Aut		
10.0 20.0				Mannandratight		Freq Of	fset	
-30.0						0 Hz		
50.0								
Center 1.88000 GHz	#	Video BW 2.7000	MHz		ipan 80 MHz			
Res BW 820.00 kHz				Sweep 1.00 m	is (1001 pts)			
2 Metrics								
Occupied Bandwidth	1							
37.1	720 MHz		Total Power	30.9 c				
Transmit Freq Error x dB Bandwidth	-12.708 kH 41.33 MH		% of OBW Pov x dB	ver 99.0 -26.00				
4 h C 1	2 Oct 30, 2024	Λ			X			
	3:40:31 PM			••• 7				
	Hz+20MHz	z_64QAN	1_RB100)-0+RB100-	0_CH1	880	1+CH18	3999
Band2_20M						¢	Frequency	
Spectrum Analyzer 1	+	Atten: 30 dB	Trig: Free Run Gate: Off	Center Freq: 1.8800000 Avg[Hold: 10/10	0 GHz		Frequency	Settings
pectrum Analyzer 1 Docupied BW KEYSIGHT Input: RF	hput Z: 50 Ω	Paton. 30 db		Radio Std: None		1.8800	00000 GHz	
Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF RL ++ Couping DC Align: Auto	hput Z: 50 Ω Freq Ref: Int (S)	Pateri, 30 db	#IF Gain: Low					1
Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF RL Coupling DC Align: Auto SV	Freq Ref: Int (S)		#IF Gain: Low			Span 80.000		
Spectrum Analyzer 1 Docupied BW KEYSIGHT Input: RF Coupling DC Aign: Auto US Scale/Div 10.0 dB	Freq Ref: Int (S)	lef Lvi Offset 15.0 lef Value 30.00 dB	#IF Gain: Low			80.000	MHz	
Spectrum Analyzer 1 Cocupied BW KEYSIGHT Input: RF Coupling DC Align: Auto State Scale/Div 10.0 dB Log 20	Freq Ref: Int (S)	ef Lvi Offset 15.0	#IF Gain: Low			80.000 CF Step 8.0000	MHz o 00 MHz	
Spectrum Analyzer 1 ▼ Occupied BW ▼ KEYSIGHT Input RF RL → Align Auto Align Auto 1 Graph ▼ Scale/DV 10.0 dB 00	Freq Ref: Int (S)	ef Lvi Offset 15.0	#IF Gain: Low			80.000 CF Step	MHz 00 MHz	
Spectrum Analyzer 1 → Cocupied BW KEYSIGHT Input RF Align Auto UP 10 Graph → Scale/Div 10.0 dB 200 200 00 00 00 00 00	Freq Ref: Int (S)	ef Lvi Offset 15.0	#IF Gain: Low	have been been been been been been been be	- 	80.000 CF Step 8.0000	MHz 00 MHz to in	
Spectrum Analyzer 1 Cocupied BW KEYSIGHT Input RF Cocuping DC Align Auto UP 10 craph 10	Freq Ref: Int (S)	ef Lvi Offset 15.0	#IF Gain: Low			80.000 CF Step 8.0000 Aut Ma	MHz 00 MHz to in	
Spectrum Analyzer 1 - Discopie BW Input: RF CVSIGHT Input: RF Name - 1 Graph - 0 Graph -	Freq Ref: Int (S)	ef Lvi Offset 15.0	#IF Gain: Low	Unation une		80.000 CF Step 8.0000 Aut Ma	MHz 00 MHz to in	
Spectrum Analyzer 1 → Cocupied BW KEYSIGHT Input RF Align Auto UP 10 Graph → Scale/Div 10.0 dB 200 200 00 00 00 00 00	Freq Ref. Int (S)	ef Lvi Offset 15.0	#IF Gain: Low			80.000 CF Step 8.0000 Aut Ma	MHz 00 MHz to in	



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30.1 dBm

99.00 % -26.00 dB

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Total Power

% of OBW Power x dB

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Occupied Bandwidth 37.747 MHz

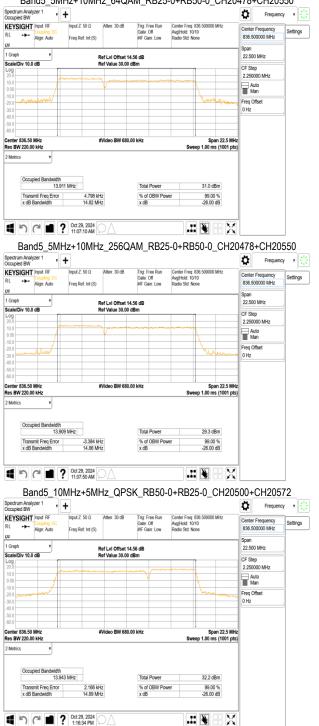
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-22.462 kHz 40.18 MHz

Transmit Freq Error x dB Bandwirth

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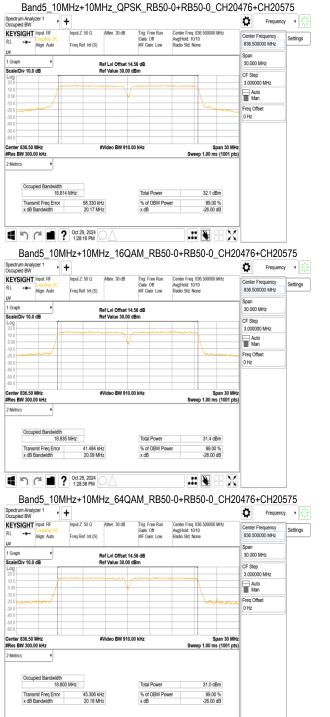
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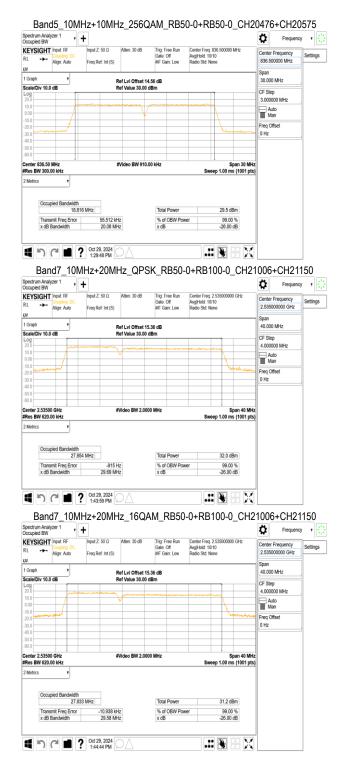
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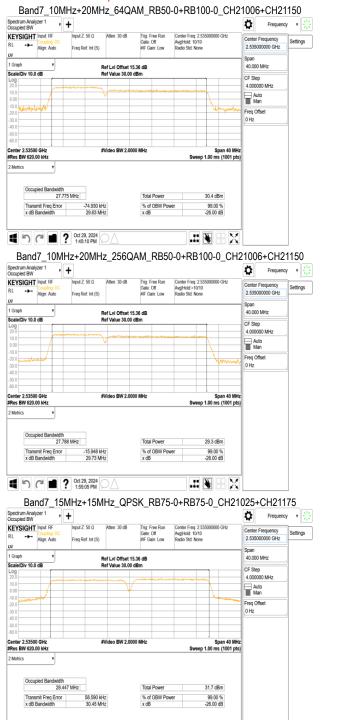
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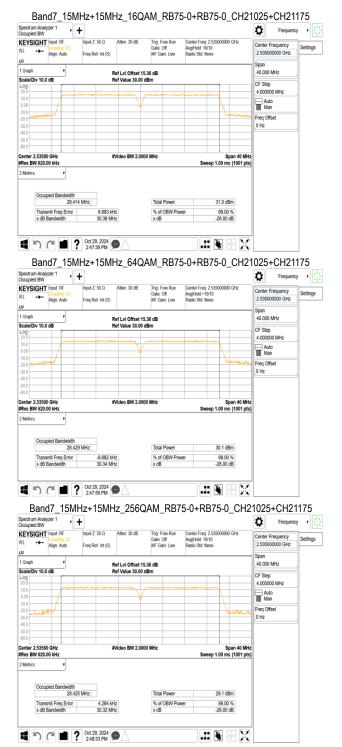
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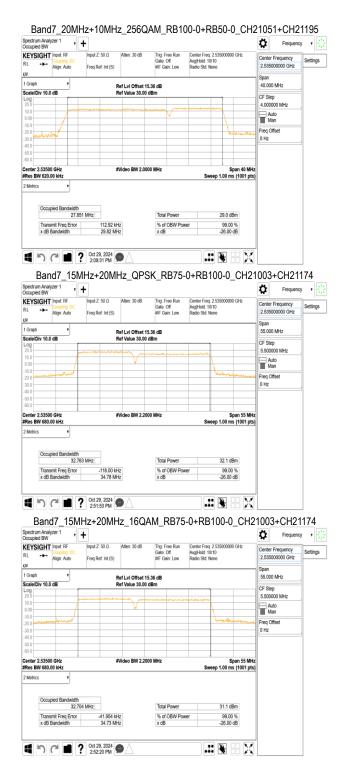
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Occupied BW	+			Frequency 🕇
KEYSIGHT Input: RF RL →→ Align: Auto	Input Z: 50 Ω Atten: 30 d Freq Ref: Int (S)	Gate: Off Av	nter Freq: 2.535000000 GHz g Hold: 10/10 dio Std: None	Center Frequency 2.535000000 GHz Settings
ມາ 1 Graph •	Ref Lvi Offs	et 15.36 dB		Span 40.000 MHz
Scale/Div 10.0 dB	Ref Value 30	.00 dBm		CF Step
20.0				4.000000 MHz
0.00		· ·		Man
-20.0				Freq Offset 0 Hz
40.0				
-60.0				
Center 2.53500 GHz Res BW 620.00 kHz	#Video BW ;	2.0000 MHz	Span 40 MHz Sweep 1.00 ms (1001 pts)	
2 Metrics •				
Occupied Bandwidth				
27.9	19 MHz	Total Power	31.6 dBm	
Transmit Freq Error x dB Bandwidth	134.80 kHz 29.75 MHz	% of OBW Power x dB	99.00 % -26.00 dB	
	? Oct 29, 2024 2:08:08 PM		.# 🕷 🕂 🗙	
Band7 20M		DAM RB100-	0+RB50-0 CH2	1051+CH21195
Spectrum Analyzer 1	+	~ \D 100-\		Frequency
Occupied BW KEYSIGHT Input: RF	Input Z: 50 Ω Atten: 30 d	B Trig: Free Run Ce	nter Freq: 2.535000000 GHz	Center Francian
RL ++ Coupling: DC Align: Auto	Freq Ref: Int (S)	Gate: Off Ave #IF Gain: Low Ra	g[Hold: 10/10 dio Std: None	2.535000000 GHz
çar 1 Graph 🔹	Ref Lvi Offs	et 15.36 dB		Span 40.000 MHz
Scale/Div 10.0 dB	Ref Value 30			CF Step
20.0		maren marine	with the second s	4.000000 MHz
0.00				Auto Man
-20.0			marther house	Freq Offset 0 Hz
-40.0				
-60.0				
Center 2.53500 GHz #Res BW 620.00 kHz	#Video BW :	2.0000 MHz	Span 40 MHz Sweep 1.00 ms (1001 pts)	
2 Metrics				
Occupied Bandwidth 27.8	51 MHz	Total Power	30.8 dBm	
Occupied Bandwidth		Total Power % of OBW Power x dB	30.8 dBm 99.00 % -26.00 dB	
Occupied Bandwidth 27.8 Transmit Freq Error	129.61 kHz	% of OBW Power	99.00 %	
Occupied Bandwidth 27.8 Transmit Freq Error x dB Bandwidth	129.61 kHz 29.66 MHz	% of OBW Power	99.00 % -26.00 dB	
Occupied Bandwidth 27.8 Transmit Freq Error x dB Bandwidth	151 MHz 129.61 KHz 29.66 MHz Oct 29, 2024 2:08:35 PM	% of OBW Power x dB	99.00 % -26.00 dB	1051+0H21105
Cocupied Bandwidth 27.8 Transmit Freq Error x dB Bandwidth Band7_20M Spectrum Analyzer 1	151 MHz 129.61 KHz 29.66 MHz Oct 29, 2024 2:08:35 PM	% of OBW Power x dB	99.00 % -26.00 dB	
Cocupied Bandwidth 27.8 Transmit Freq Error x dB Bandwidth Band7_20W Bpectrum Analyzer 1 ,	151 MHz 129.61 KHz 29.66 MHz Oct 29, 2024 2:08:35 PM	% of OBW Power x dB QAM_RB100-(3 Ting Free Run Ce	99.00 % -26.00 dB	Frequency
Occupied Bandwith 27.8 Transmit Free Error x dB Bandwidth Band 7_20W Bend 7_20W Spectrum Analyzer 1 Occupied BW	129.61 kHz 129.65 kHz 29.66 MHz 20.63 PM 1Hz+10MHz_64 +	% of OBW Power x dB QAM_RB100-0	98.00 % -26.00 dB	
Occupied Bandwidth 27.8 Transmit Freq Error x dB Bandwidth Bandr 2004 Beardra Analyzer 1 Spectrum Analyzer 1 KEYSIGHT Insut RF RL + Analyzer 2 Align Auto	61 MHz 228 61 MHz 228 66 MHz 206 50 MHz 208 50 FM 1 1Hz+10MHz_64 1 + Input Z 50 0 Freq Ref. Int (5) Atten: 30 d	% of OBW Power x dB QAM_RB100-(3 Trg: Free Run Gate: Off Area Bill F Gan: Low Ra	99.00 % -26.00 dB 	Center Frequency 2.53500000 GHz Span
Cocupied Bandwidth 27.8 Transmit Freq Error x dB Bandwidth Bandra Z. 200M Bendra Analyzer 1 Spectrum Analyzer 1 Coupied BW KEYSIGHT Ihout RF KEYSIGHT Ihout RF KEYSIGHT Ihout RF Key Statement Dr Agen Analyzer 1 Coupied BW	128.01 MHz 128.01 MHz 206.35 FM 208.35 FM IHZ+10MHZ_64/ + Input Z 50.0	% of OBW Power x dB QAM_RB100-(3 Trg. Free Run Gale: Off Avg. JIF Gain: Low Ra et 15.36 dB	99.00 % -26.00 dB 	Center Frequency 2.53500000 GHz Span 40.000 MHz
Cocupied Bandwitchin 27.8 Transmit Free Error x of Bandwork BandvZ 20W Bendra Zour Bendra Zour KetVSIGKIT Inde R KetVSIGKIT Inde R KetVSIGKIT Inde R KetVSIGKIT Inde R KetVSIGKIT Inde R	61 MHz 28.06 MHz 28.06 MHz 28.06 MHz 20.83.07 MM 1HZ+10MHZ_64/ Imput Z 50 0 Atten: 30 d Freq Ref. Int (5)	% of OBW Power x dB QAM_RB100-(3 Trg. Free Run Gale: Off Avg. JIF Gain: Low Ra et 15.36 dB	99.00 % -26.00 dB 	Center Frequency Center Frequency 2.5350000 GHz Settings 40.000 MHz CF Step 4.0000 MHz
Cocupied Bandwidth 27.8 Transmit Freq Eror x dB Bandwidth	61 MHz 28.06 MHz 28.06 MHz 28.06 MHz 20.83.07 MM 1HZ+10MHZ_64/ Imput Z 50 0 Atten: 30 d Freq Ref. Int (5)	% of OBW Power x dB QAM_RB100-(3 Trg. Free Run Gale: Off Avg. JIF Gain: Low Ra et 15.36 dB	99.00 % -26.00 dB 	Center Frequency 2.535000000 GHz Span 40.000 MHz CF Step
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Cocupied Bandwidth	61 MHz 28.06 MHz 28.06 MHz 28.06 MHz 20.83.07 MM 1HZ+10MHZ_64/ Imput Z 50 0 Atten: 30 d Freq Ref. Int (5)	% of OBW Power x dB QAM_RB100-(3 Ting Free Run Gale Off Average Rate JHF Gain Low Rate et 15.36 dB	9800 % -26.00 dB -26.00 dB -26	Prequency V Center Frequency 5 Span Settings Span 40.000 MHz CF Step Autoon Autoon Frequency Frequency Frequency Autoon MHz Frequency Frequency
Occupied Bandwidth 27.8 Transmit Freq Error x dB Bandwidth BandrZ_20W BendrZ_20W Spectrum Analyzer 1 BendrZ_20W KEYSIGHT Input RF RL & Agr. Auto Corror Scale/DV 10.0 dB Corror Scale/DV 10.0 dB Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corror Corro	61 MHz 28.06 MHz 28.06 MHz 28.06 MHz 20.83.07 MM 1HZ+10MHZ_64/ Imput Z 50 0 Atten: 30 d Freq Ref. Int (5)	Si of OBW Power ix dB QAM_RB100-(Gree Of Market HF Can Low Pay HF	98.00 % -26.00 dB -26.00 dB -2	Prequency V Center Frequency 5 Span Settings Span 40.000 MHz CF Step Autoon Autoon Frequency Frequency Frequency Autoon MHz Frequency Frequency
Cocupied Bandwidth 27.8 Transmit Freq Eror x dB Bandwidth	BT MHz 28.65 MHz 29.65 MHz 29.66 MHz 20.63 SPM TLZ+10MHz_64 + Imput 2:50 0. Preq Ref. Int (5) Atom: 30 d Ref Lvi Offs Ref Lvi Offs Ref Lvi Offs Ref Lvi Offs	Si of OBW Power ix dB QAM_RB100-(Gree Of Market HF Can Low Pay HF	9800 % -2600 dB -2600 dB	Prequency V Center Frequency 5 Span Settings Span 40.000 MHz CF Step Autoon Autoon Frequency Frequency Frequency Autoon MHz Frequency Frequency
Cocupied Bandwith 27.8 Transmit Freq Error x dB Bandwidh Bandr7_20W Bendr7_20W KEYSIGHT Inset. FF RL Scale/DN 10.0 dB 00 00 00 00 00 00 00 00 00 0	BT MHz 28.65 MHz 29.65 MHz 29.66 MHz 20.63 SPM TLZ+10MHz_64 + Imput 2.50 0.024 Input 2.50 0.024 Atom: 30 d Preq Ref. Int (5) Ref Lvi Offs Ref Lvi Offs Ref Lvi Offs Ref Lvi Offs Ref Lvi Offs	Si of OBW Power ix dB QAM_RB100-(Gree Of Market HF Can Low Pay HF	98.00 % -26.00 dB -26.00 dB -2	Prequency V Center Frequency 5 Span Settings Span 40.000 MHz CF Step Autoon Autoon Frequency Frequency Frequency Autoon MHz Frequency Frequency
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Cocupied Bandwidth		% of OBW Power x.66 QAM_RB100-(I 3 Ting: Free Ram Code: Code Avg mill: Game: Code 3 Ting: Free Ram Code: Code Avg mill: Game: Code 40 Avg	98.00 % -26.00 dB -26.00 dB -2	Prequency Image: Content Frequency Image: Content Frequency Image: Content Frequency Settings Span 40.000 MHz Settings Settings Settings CF Step 40.0000 MHz Frequency Image: Content Frequency Image: Content Frequency Settings Image: CF Step 40.0000 MHz Image: Content Frequency Image: Conten Frequency Image: Content Frequen



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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