

**ELECTROMAGNETIC EMISSIONS
COMPLIANCE REPORT**

Applicant: ASUSTeK COMPUTER INC.
1F., No.15, Lide Rd., Beitou District, Taipei City 112, Taiwan
Manufacturer: ASUSTeK COMPUTER INC.
1F., No.15, Lide Rd., Beitou District, Taipei City 112, Taiwan
Product Name: ASUS Phone (Mobile Phone)
Brand Name: ASUS
Model No.: ASUS_AI2302
Report Number: TERF2305001076ER
FCC ID MSQAI2302
Issue Date: July 17, 2023
Date of Test: May 03, 2023 ~ July 04, 2023
Date of EUT Received: April 24, 2023

Approved By

Blue Yang

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 C63.26-2015 and the energy emitted by the sample EUT comply with FCC rule part 2, 22H & 24E & 27 C & 90S.

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

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Revision History

Report Number	Revision	Description	Issue Date	Revised By	Remark
TERF2305001076ER	00	Original.	July 17, 2023	Tiffany Kao	

Note:

- 1、The remark "" indicates modification of the report upon requests from certification body.

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1 GENERAL PRODUCT INFORMATION

1.1 Product Description

Product Name:	ASUS Phone (Mobile Phone)
Brand Name:	ASUS
Model No.:	ASUS_AI2302
Hardware Version:	N/A
Firmware Version:	WW_33.0204.0204.57
EUT Series No.:	R4AIB7N00566GZ3
Power Supply:	3.89 Vdc from Battery or 5 / 9 / 12 / 15 / 20 Vdc from AC Adapter
Test Software (Name/Version)	Default

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1.2 Operation Frequency Range

LTE Band 2			
BW (MHz)	Operation Frequency (MHz)		
1.4	1850.7	-	1909.3
3	1851.5	-	1908.5
5	1852.5	-	1907.5
10	1855.0	-	1905.0
15	1857.5	-	1902.5
20	1860.0	-	1900.0
LTE Band 4			
BW (MHz)	Operation Frequency (MHz)		
1.4	1710.7	-	1754.3
3	1711.5	-	1753.5
5	1712.5	-	1752.5
10	1715.0	-	1750.0
15	1717.5	-	1747.5
20	1720.0	-	1745.0
LTE Band 5			
BW (MHz)	Operation Frequency (MHz)		
1.4	824.7	-	848.3
3	825.5	-	847.5
5	826.5	-	846.5
10	829.0	-	844.0
LTE Band 7			
BW (MHz)	Operation Frequency (MHz)		
5	2502.5	-	2567.5
10	2505.0	-	2565.0
15	2507.5	-	2562.5
20	2510.0	-	2560.0

LTE Band 12			
BW (MHz)	Operation Frequency (MHz)		
1.4	699.7	-	715.3
3	700.5	-	714.5
5	701.5	-	713.5
10	704.0	-	711.0
LTE Band 17			
BW (MHz)	Operation Frequency (MHz)		
5	706.5	-	713.5
10	709.0	-	711.0
LTE Band 25			
BW (MHz)	Operation Frequency (MHz)		
1.4	1850.7	-	1914.3
3	1851.5	-	1913.5
5	1852.5	-	1912.5
10	1855.0	-	1910.0
15	1857.5	-	1907.5
20	1860.0	-	1905.0
LTE Band 26 Part 90			
BW (MHz)	Operation Frequency (MHz)		
1.4	814.7	-	823.3
3	815.5	-	822.5
5	816.5	-	821.5
10	819.0	-	

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LTE Band 26			
BW (MHz)	Operation Frequency (MHz)		
1.4	824.7	-	848.3
3	825.5	-	847.5
5	826.5	-	846.5
10	829.0	-	844.0
15	831.5	-	841.5
LTE Band 30			
BW (MHz)	Operation Frequency (MHz)		
5	2307.5	-	2312.5
10	2310.0		
LTE Band 38			
BW (MHz)	Operation Frequency (MHz)		
5	2572.5	-	2617.5
10	2575.0	-	2615.0
15	2577.5	-	2612.5
20	2580.0	-	2610.0
LTE Band 41			
BW (MHz)	Operation Frequency (MHz)		
5	2498.5	-	2687.5
10	2501.0	-	2685.0
15	2503.5	-	2682.5
20	2506.0	-	2680.0

LTE Band 66			
BW (MHz)	Operation Frequency (MHz)		
1.4	1710.7	-	1779.3
3	1711.5	-	1778.5
5	1712.5	-	1777.5
10	1715.0	-	1775.0
15	1717.5	-	1772.5
20	1720.0	-	1770.0
LTE Band 71			
BW (MHz)	Operation Frequency (MHz)		
5	665.5	-	695.5
10	688.0	-	693.0
15	670.5	-	690.5
20	673.0	-	688.0

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1.3 Antenna Designation

Antenna Type	Antenna Model No.
PIFA	Ant1
	Ant2
	Ant3
	Ant4
Note: Transmission frequencies in this test report are only available by the above antenna(s).	

Modulation	Frequency (MHz)	Peak Antenna Gain (dBi)			
		Ant1	Ant2	Ant3	Ant4
LTE-Band 2	1850 ~ 1910	-6.05	-3.6		-3.16
LTE-Band 4	1710 ~ 1755		-2.74		-4.05
LTE-Band 5	824 ~ 849	-3.74		-4.68	
LTE-Band 7	2500 ~ 2570		-1.34		-3.27
LTE-Band 12	699 ~ 716	-5.33		-7.78	
LTE-Band 17	704 ~ 716	-5.33		-7.78	
LTE-Band 25	1850 ~ 1915		-3.6		-3.16
LTE-Band 26	824 ~ 849	-3.74		-4.68	
LTE-Band 26 Part 90	814 ~ 824	-5.25		-4.68	
LTE-Band 30	2305 ~ 2315		-2.23		-3.51
LTE-Band 38	2570 ~ 2620		-1.11		-2.53
LTE-Band 41	2496 ~ 2690		-0.35		-2.03
LTE-Band 66	1710 ~ 1780	-7.43	-2.74		-4.05
LTE-Band 71	663 ~ 698	-7.43		-9.64	

Note: Antenna information is provided by the applicant.

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

LTE Band	BW	Frequency		Modulation	ERP / EIRP (dBm)		(W)	99%	Type of Emission
2	1.4	1850.7	1909.3	QPSK	19.23	EIRP	0.084	1.0910	1M09G7D
				16QAM	18.21	EIRP	0.066	1.0931	1M09D7W
				64QAM	17.16	EIRP	0.052	1.0909	1M09D7W
				256QAM	14.35	EIRP	0.027	1.0923	1M09D7W
				QPSK	19.11	EIRP	0.081	2.6992	2M70G7D
2	3	1851.5	1908.5	16QAM	18.18	EIRP	0.066	2.7021	2M70D7W
				64QAM	17.12	EIRP	0.052	2.7142	2M71D7W
				256QAM	14.43	EIRP	0.028	2.6991	2M70D7W
				QPSK	19.10	EIRP	0.081	4.5026	4M50G7D
				16QAM	18.22	EIRP	0.066	4.4948	4M49D7W
2	5	1852.5	1907.5	64QAM	17.13	EIRP	0.052	4.5009	4M50D7W
				256QAM	14.45	EIRP	0.028	4.4947	4M49D7W
				QPSK	19.14	EIRP	0.082	8.9834	8M98G7D
				16QAM	18.14	EIRP	0.065	8.9981	8M98D7W
				64QAM	17.25	EIRP	0.053	8.9778	8M98D7W
2	10	1855.0	1905.0	256QAM	14.39	EIRP	0.027	8.9767	8M98D7W
				QPSK	19.18	EIRP	0.083	13.466	13M5G7D
				16QAM	18.12	EIRP	0.065	13.471	13M5D7W
				64QAM	17.19	EIRP	0.052	13.466	13M5D7W
				256QAM	14.41	EIRP	0.028	13.484	13M5D7W
2	15	1857.5	1902.5	QPSK	19.28	EIRP	0.085	17.964	18M0G7D
				16QAM	18.05	EIRP	0.064	17.945	17M9D7W
				64QAM	17.23	EIRP	0.053	17.939	17M9D7W
				256QAM	14.39	EIRP	0.027	17.936	17M9D7W
2	20	1860.0	1900.0	QPSK	19.28	EIRP	0.085	17.964	18M0G7D
				16QAM	18.05	EIRP	0.064	17.945	17M9D7W
				64QAM	17.23	EIRP	0.053	17.939	17M9D7W
				256QAM	14.39	EIRP	0.027	17.936	17M9D7W
				QPSK	19.28	EIRP	0.085	17.964	18M0G7D
2	20	1860.0	1900.0	16QAM	18.05	EIRP	0.064	17.945	17M9D7W
				64QAM	17.23	EIRP	0.053	17.939	17M9D7W
				256QAM	14.39	EIRP	0.027	17.936	17M9D7W
				QPSK	19.28	EIRP	0.085	17.964	18M0G7D
				16QAM	18.05	EIRP	0.064	17.945	17M9D7W
4	1.4	1710.7	1754.3	QPSK	20.77	EIRP	0.119	1.0913	1M09G7D
				16QAM	19.63	EIRP	0.092	1.0942	1M09D7W
				64QAM	18.76	EIRP	0.075	1.0930	1M09D7W
				256QAM	15.86	EIRP	0.039	1.0886	1M09D7W
				QPSK	20.69	EIRP	0.117	2.7061	2M71G7D
4	3	1711.5	1753.5	16QAM	19.72	EIRP	0.094	2.7055	2M71D7W
				64QAM	18.63	EIRP	0.073	2.7015	2M70D7W
				256QAM	15.92	EIRP	0.039	2.6998	2M70D7W
				QPSK	20.72	EIRP	0.118	4.4990	4M50G7D
				16QAM	19.66	EIRP	0.092	4.4968	4M50D7W
4	5	1712.5	1752.5	64QAM	18.68	EIRP	0.074	4.4972	4M50D7W
				256QAM	15.90	EIRP	0.039	4.4935	4M49D7W
				QPSK	20.75	EIRP	0.119	8.9902	8M99G7D
				16QAM	19.55	EIRP	0.090	8.9846	8M98D7W
				64QAM	18.67	EIRP	0.074	8.9836	8M98D7W
4	10	1715.0	1750.0	256QAM	15.91	EIRP	0.039	9.0065	9M01D7W
				QPSK	20.66	EIRP	0.116	13.4910	13M5G7D
				16QAM	19.67	EIRP	0.093	13.4790	13M5D7W
				64QAM	18.73	EIRP	0.075	13.4630	13M5D7W
				256QAM	15.92	EIRP	0.039	13.4520	13M5D7W
4	15	1717.5	1747.5	QPSK	20.79	EIRP	0.120	17.9380	17M9G7D
				16QAM	19.63	EIRP	0.092	17.9420	17M9D7W
				64QAM	18.61	EIRP	0.073	17.9040	17M9D7W
				256QAM	15.93	EIRP	0.039	17.9380	17M9D7W
				QPSK	20.79	EIRP	0.120	17.9380	17M9D7W
4	20	1720.0	1745.0	16QAM	19.63	EIRP	0.092	17.9420	17M9D7W
				64QAM	18.61	EIRP	0.073	17.9040	17M9D7W
				256QAM	15.93	EIRP	0.039	17.9380	17M9D7W
				QPSK	20.79	EIRP	0.120	17.9380	17M9D7W
				16QAM	19.63	EIRP	0.092	17.9420	17M9D7W
LTE Band	BW	Frequency		Modulation	ERP / EIRP (dBm)		(W)	99%	Type of Emission
				QPSK	17.55	ERP	0.057	1.0893	1M09G7D
				16QAM	16.52	ERP	0.045	1.0910	1M09D7W
				64QAM	15.61	ERP	0.036	1.0916	1M09D7W
				256QAM	12.77	ERP	0.019	1.0920	1M09D7W
5	3	825.5	847.5	QPSK	17.55	ERP	0.057	2.7028	2M70G7D
				16QAM	16.50	ERP	0.045	2.7063	2M71D7W
				64QAM	15.53	ERP	0.036	2.6981	2M70D7W
				256QAM	12.72	ERP	0.019	2.7037	2M70D7W
				QPSK	17.50	ERP	0.056	4.4989	4M50G7D
5	5	826.5	846.5	16QAM	16.59	ERP	0.046	4.4948	4M49D7W
				64QAM	15.52	ERP	0.036	4.4943	4M49D7W
				256QAM	12.71	ERP	0.019	4.4969	4M50D7W
				QPSK	17.64	ERP	0.058	8.9817	8M98G7D
				16QAM	16.62	ERP	0.046	8.9642	8M98D7W
5	10	829.0	844.0	64QAM	15.61	ERP	0.036	8.9754	8M98D7W
				256QAM	12.75	ERP	0.019	8.9714	8M97D7W
				QPSK	17.55	ERP	0.057	1.0893	1M09G7D
				16QAM	16.52	ERP	0.045	1.0910	1M09D7W
				64QAM	15.61	ERP	0.036	1.0916	1M09D7W
LTE Band	BW	Frequency		Modulation	ERP / EIRP (dBm)		(W)	99%	Type of Emission
				QPSK	22.31	EIRP	0.170	4.5035	4M50G7D
				16QAM	21.25	EIRP	0.133	4.5091	4M51D7W
				64QAM	20.24	EIRP	0.106	4.4994	4M50D7W
				256QAM	17.52	EIRP	0.056	4.4976	4M50D7W
7	5	2502.5	2567.5	QPSK	22.28	EIRP	0.169	8.9917	8M99G7D
				16QAM	21.23	EIRP	0.133	8.9714	8M97D7W
				64QAM	20.19	EIRP	0.104	8.9740	8M97D7W
				256QAM	17.52	EIRP	0.056	8.9996	9M00D7W
				QPSK	22.24	EIRP	0.167	13.4480	13M4G7D
7	15	2507.5	2562.5	16QAM	21.22	EIRP	0.132	13.4650	13M5D7W
				64QAM	20.29	EIRP	0.107	13.4600	13M5D7W
				256QAM	17.49	EIRP	0.056	13.4550	13M5D7W
				QPSK	22.39	EIRP	0.173	17.9350	17M9G7D
				16QAM	21.23	EIRP	0.133	17.9470	17M9D7W
7	20	2510.0	2560.0	64QAM	20.26	EIRP	0.106	17.9150	17M9D7W
				256QAM	17.51	EIRP	0.056	17.9360	17M9D7W
				QPSK	22.31	EIRP	0.170	4.5035	4M50G7D
				16QAM	21.25	EIRP	0.133	4.5091	4M51D7W
				64QAM	20.24	EIRP	0.106	4.4994	4M50D7W

LTE Band	BW	Frequency		Modulation	ERP / EIRP (dBm)		(W)	99%	Type of Emission				
12	1.4	699.7	715.3	QPSK	15.58	ERP	0.036	1.0929	1M09G7D				
				16QAM	14.52	ERP	0.028	1.0939	1M09D7W				
				64QAM	13.57	ERP	0.023	1.0928	1M09D7W				
				256QAM	10.77	ERP	0.012	1.0918	1M09D7W				
				QPSK	15.58	ERP	0.036	2.7021	2M70G7D				
12	3	700.5	714.5	16QAM	14.52	ERP	0.028	2.7014	2M70D7W				
				64QAM	13.54	ERP	0.023	2.7046	2M70D7W				
				256QAM	10.77	ERP	0.012	0.0000	0KD7W				
				QPSK	15.52	ERP	0.036	4.4991	4M50G7D				
				16QAM	14.51	ERP	0.028	4.5058	4M51D7W				
12	5	701.5	713.5	64QAM	13.55	ERP	0.023	4.4950	4M50D7W				
				256QAM	10.78	ERP	0.012	4.4935	4M49D7W				
				QPSK	15.64	ERP	0.037	9.0005	9M00G7D				
				16QAM	14.61	ERP	0.029	8.9869	8M99D7W				
				64QAM	13.54	ERP	0.023	8.9820	8M98D7W				
12	10	704.0	711.0	256QAM	10.80	ERP	0.012	8.9825	8M98D7W				
				LTE Band	BW	Frequency		Modulation	ERP / EIRP (dBm)		(W)	99%	Type of Emission
				17	5	706.5	713.5	QPSK	15.41	ERP	0.035	4.4980	4M50G7D
								16QAM	14.34	ERP	0.027	4.4963	4M50D7W
								64QAM	13.32	ERP	0.021	4.5055	4M51D7W
256QAM	10.65	ERP	0.012					4.4975	4M50D7W				
QPSK	15.47	ERP	0.035					8.9890	8M99G7D				
17	10	709.0	711.0	16QAM	14.30	ERP	0.027	8.9833	8M98D7W				
				64QAM	13.34	ERP	0.022	8.9868	8M99D7W				
				256QAM	10.59	ERP	0.011	8.9836	8M98D7W				
				LTE Band	BW	Frequency		Modulation	ERP / EIRP (dBm)		(W)	99%	Type of Emission
				25	1.4	1850.7	1914.3	QPSK	19.31	EIRP	0.085	1.0929	1M09G7D
16QAM	18.29	EIRP	0.067					1.0958	1M10D7W				
64QAM	17.26	EIRP	0.053					1.0896	1M09D7W				
256QAM	14.50	EIRP	0.028					1.0931	1M09D7W				
QPSK	19.36	EIRP	0.086					2.7069	2M71G7D				
25	3	1851.5	1913.5	16QAM	18.23	EIRP	0.067	2.7018	2M70D7W				
				64QAM	17.27	EIRP	0.053	2.7029	2M70D7W				
				256QAM	14.51	EIRP	0.028	2.7011	2M70D7W				
				QPSK	19.29	EIRP	0.085	4.4966	4M50G7D				
				16QAM	18.34	EIRP	0.068	4.4938	4M49D7W				
25	5	1852.5	1912.5	64QAM	17.35	EIRP	0.054	4.4983	4M50D7W				
				256QAM	14.57	EIRP	0.029	4.4947	4M49D7W				
				QPSK	19.33	EIRP	0.086	9.0000	9M00G7D				
				16QAM	18.32	EIRP	0.068	8.9820	8M98D7W				
				64QAM	17.37	EIRP	0.055	9.0048	9M00D7W				
25	10	1855.0	1910.0	256QAM	14.50	EIRP	0.028	8.9905	8M99D7W				
				QPSK	19.30	EIRP	0.085	13.4490	13M44G7D				
				16QAM	18.24	EIRP	0.067	13.4710	13M50D7W				
				64QAM	17.27	EIRP	0.053	13.4630	13M50D7W				
				256QAM	14.50	EIRP	0.028	13.4520	13M50D7W				
25	15	1857.5	1907.5	QPSK	19.42	EIRP	0.087	17.9470	17M9G7D				
				16QAM	18.28	EIRP	0.067	17.9480	17M9D7W				
				64QAM	17.31	EIRP	0.054	17.9510	18M0D7W				
				256QAM	14.47	EIRP	0.028	17.9390	17M9D7W				
				LTE Band	BW	Frequency		Modulation	ERP / EIRP (dBm)		(W)	99%	Type of Emission
26 Part 90	1.4	814.7	823.3	QPSK	15.80	ERP	0.038	1.0888	1M09G7D				
				16QAM	14.79	ERP	0.030	1.0943	1M09D7W				
				64QAM	13.80	ERP	0.024	1.0921	1M09D7W				
				256QAM	11.02	ERP	0.013	1.0897	1M09D7W				
				QPSK	15.81	ERP	0.038	2.6973	2M70G7D				
26 Part 90	3	815.5	822.5	16QAM	14.86	ERP	0.031	2.6994	2M70D7W				
				64QAM	13.80	ERP	0.024	2.6964	2M70D7W				
				256QAM	10.95	ERP	0.012	2.7003	2M70D7W				
				QPSK	15.77	ERP	0.038	4.4976	4M50G7D				
				16QAM	14.88	ERP	0.031	4.5029	4M50D7W				
26 Part 90	5	816.5	821.5	64QAM	13.83	ERP	0.024	4.4971	4M50D7W				
				256QAM	11.01	ERP	0.013	4.4936	4M49D7W				
				QPSK	15.68	ERP	0.037	8.9889	8M99G7D				
				16QAM	14.70	ERP	0.030	8.9608	8M96D7W				
				64QAM	13.76	ERP	0.024	8.9640	8M96D7W				
26 Part 90	10	819.0	819.0	256QAM	10.93	ERP	0.012	8.9726	8M97D7W				

LTE Band	BW	Frequency		Modulation	Conducted (dBm)	(W)	99%	Type of Emission
26 Part90	1.4	814.7	823.3	QPSK	23.20	ERP	0.209	1.0888
				16QAM	22.19	ERP	0.166	1.0943
				64QAM	21.20	ERP	0.132	1.0921
				256QAM	18.42	ERP	0.070	1.0897
				QPSK	23.21	ERP	0.209	2.6973
26 Part90	3	815.5	822.5	16QAM	22.26	ERP	0.168	2.6994
				64QAM	21.20	ERP	0.132	2.6964
				256QAM	18.35	ERP	0.068	2.7003
				QPSK	23.17	ERP	0.207	4.4976
				16QAM	22.28	ERP	0.169	4.5029
26 Part90	5	816.5	821.5	64QAM	21.23	ERP	0.133	4.4971
				256QAM	18.41	ERP	0.069	4.4936
				QPSK	23.08	ERP	0.203	8.9889
				16QAM	22.10	ERP	0.162	8.9608
				64QAM	21.16	ERP	0.131	8.9640
26 Part90	10	819.0	819.0	256QAM	18.33	ERP	0.068	8.9726
				QPSK	17.25	ERP	0.053	1.0881
				16QAM	16.28	ERP	0.042	1.0915
				64QAM	15.29	ERP	0.034	1.0917
				256QAM	12.49	ERP	0.018	1.0899
26	3	825.5	847.5	QPSK	17.26	ERP	0.053	2.7040
				16QAM	16.38	ERP	0.043	2.6989
				64QAM	15.33	ERP	0.034	2.7109
				256QAM	12.42	ERP	0.017	2.6989
				QPSK	17.25	ERP	0.053	4.4984
26	5	826.5	846.5	16QAM	16.27	ERP	0.042	4.4999
				64QAM	15.34	ERP	0.034	4.4940
				256QAM	12.49	ERP	0.018	4.5052
				QPSK	17.20	ERP	0.052	8.9869
				16QAM	16.20	ERP	0.042	8.9912
26	10	829.0	844.0	64QAM	15.29	ERP	0.034	8.9900
				256QAM	12.50	ERP	0.018	8.9785
				QPSK	17.36	ERP	0.054	13.4400
				16QAM	16.32	ERP	0.043	13.4680
				64QAM	15.28	ERP	0.034	13.4450
26	15	831.5	841.5	256QAM	12.56	ERP	0.018	13.4310
				QPSK	21.08	EIRP	0.128	4.4963
				16QAM	20.15	EIRP	0.104	4.4974
				64QAM	19.15	EIRP	0.082	4.4932
				256QAM	16.34	EIRP	0.043	4.4944
30	5	2307.5	2312.5	QPSK	21.20	EIRP	0.132	8.9645
				16QAM	20.02	EIRP	0.100	8.9491
				64QAM	19.09	EIRP	0.081	8.9506
				256QAM	16.34	EIRP	0.043	8.9625
				QPSK	22.33	EIRP	0.171	4.5077
38	5	2572.5	2617.5	16QAM	21.38	EIRP	0.137	4.4972
				64QAM	20.34	EIRP	0.108	4.4897
				256QAM	17.44	EIRP	0.055	4.4953
				QPSK	22.47	EIRP	0.177	8.9752
				16QAM	21.42	EIRP	0.139	8.9697
38	10	2575.0	2615.0	64QAM	20.33	EIRP	0.108	8.9857
				256QAM	17.48	EIRP	0.056	8.9726
				QPSK	22.42	EIRP	0.175	13.4860
				16QAM	21.44	EIRP	0.139	13.4500
				64QAM	20.43	EIRP	0.110	13.4530
38	15	2577.5	2612.5	256QAM	17.50	EIRP	0.056	13.4700
				QPSK	22.51	EIRP	0.178	17.9400
				16QAM	21.43	EIRP	0.139	17.9170
				64QAM	20.31	EIRP	0.107	17.9000
				256QAM	17.49	EIRP	0.056	17.9100

LTE Band	BW	Frequency		Modulation	ERP / EIRP (dBm)	(W)	99%	Type of Emission
41	5	2498.5	2687.5	QPSK	23.08	EIRP	0.203	4.4972
				16QAM	22.09	EIRP	0.162	4.4988
				64QAM	21.12	EIRP	0.129	4.4996
				256QAM	18.05	EIRP	0.064	4.4967
				QPSK	23.13	EIRP	0.206	8.9842
41	10	2501.0	2685.0	16QAM	22.16	EIRP	0.164	8.9823
				64QAM	21.06	EIRP	0.128	8.9784
				256QAM	18.02	EIRP	0.063	8.9875
				QPSK	23.09	EIRP	0.204	13.4350
				16QAM	22.13	EIRP	0.163	13.4710
41	15	2503.5	2682.0	64QAM	21.12	EIRP	0.129	13.4770
				256QAM	18.04	EIRP	0.064	13.4550
				QPSK	23.20	EIRP	0.209	17.9440
				16QAM	22.13	EIRP	0.163	17.9150
				64QAM	21.08	EIRP	0.128	17.9150
41	20	2506.0	2680.0	256QAM	18.05	EIRP	0.064	17.9020
				QPSK	20.34	EIRP	0.108	1.0905
				16QAM	19.35	EIRP	0.086	1.0954
				64QAM	18.33	EIRP	0.068	1.0943
				256QAM	15.48	EIRP	0.035	1.0909
66	3	1711.5	1778.5	QPSK	20.18	EIRP	0.104	2.6990
				16QAM	19.33	EIRP	0.086	2.6987
				64QAM	18.29	EIRP	0.067	2.7067
				256QAM	15.48	EIRP	0.035	2.6981
				QPSK	20.32	EIRP	0.108	4.4985
66	5	1712.5	1777.5	16QAM	19.26	EIRP	0.084	4.5030
				64QAM	18.20	EIRP	0.066	4.4928
				256QAM	15.46	EIRP	0.035	4.4870
				QPSK	20.30	EIRP	0.107	8.9997
				16QAM	19.29	EIRP	0.085	8.9991
66	10	1715.0	1775.0	64QAM	18.20	EIRP	0.066	8.9874
				256QAM	15.48	EIRP	0.035	8.9896
				QPSK	20.35	EIRP	0.108	13.4720
				16QAM	19.37	EIRP	0.086	13.4610
				64QAM	18.35	EIRP	0.068	13.4460
66	15	1717.5	1772.5	256QAM	15.47	EIRP	0.035	13.4480
				QPSK	20.40	EIRP	0.110	17.9220
				16QAM	19.32	EIRP	0.086	17.9570
				64QAM	18.19	EIRP	0.066	17.9390
				256QAM	15.55	EIRP	0.036	17.9300
66	20	1720.0	1770.0	QPSK	20.40	EIRP	0.110	17.9220
				16QAM	19.32	EIRP	0.086	17.9570
				64QAM	18.19	EIRP	0.066	17.9390
				256QAM	15.55	EIRP	0.036	17.9300
				QPSK	20.40	EIRP	0.110	17.9220
LTE Band	BW	Frequency		Modulation	ERP / EIRP (dBm)	(W)	99%	Type of Emission
71	5	665.5	695.5	QPSK	14.08	ERP	0.026	4.4937
				16QAM	13.04	ERP	0.020	4.4981
				64QAM	12.03	ERP	0.016	4.5005
				256QAM	9.32	ERP	0.009	4.4987
				QPSK	14.06	ERP	0.025	8.9835
71	10	688.0	693.0	16QAM	13.05	ERP	0.020	8.9710
				64QAM	12.11	ERP	0.016	8.9930
				256QAM	9.30	ERP	0.009	8.9547
				QPSK	14.11	ERP	0.026	13.4500
				16QAM	13.01	ERP	0.020	13.4410
71	15	670.5	690.5	64QAM	12.07	ERP	0.016	13.4460
				256QAM	9.30	ERP	0.009	13.4390
				QPSK	14.20	ERP	0.026	17.9100
				16QAM	13.12	ERP	0.021	17.9050
				64QAM	12.04	ERP	0.016	17.8870
71	20	673.0	688.0	256QAM	9.37	ERP	0.009	17.9230

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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1.5 Test Methodology of Applied Standards

FCC 47 CFR Part 2, 22H, 24E, 27C, Part 90.

ANSI C63.26-2015

KDB971168 D01 Power Meas license Digital System v03r01

KDB412172 D01 Determining ERP and EIRP v01r01

1.6 Test Facility

Laboratory	Test Site Address	Test Site Name	FCC Designa- tion number	IC CAB identifier
SGS Taiwan Ltd. Central RF Lab. (TAF code 3702)	No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan.	SAC 1	TW0027	TW3702
		SAC 2		
		SAC 3		
		Conduction 1		
		Conducted 1		
		Conducted 2		
		Conducted 3		
		Conducted 4		
		Conducted 5		
		Conducted 6		
	No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan 333	Conduction C	TW0028	
		SAC C		
		SAC D		
		SAC G		
		Conducted A		
		Conducted B		
		Conducted C		
		Conducted D		
		Conducted E		
		Conducted F		
Conducted G				
Note: Test site name is remarked on the equipment list in each section of this report as an indica- tion where measurements occurred in specific test site and address.				

1.7 Special Accessories

No special accessories were used during testing.

1.8 Equipment Modifications

There was no modifications incorporated into the EUT.

1.9 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.

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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2 SYSTEM TEST CONFIGURATION

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 Band 2**

Test mode	DC voltage (V)	DC current (mA)
LTE Band 2_20M QPSK	3.89	435

LTE Band 4

Test mode	DC voltage (V)	DC current (mA)
LTE Band 4_20M QPSK	3.89	426

LTE Band 5

Test mode	DC voltage (V)	DC current (mA)
LTE Band 5_10M QPSK	3.89	455

LTE Band 7

Test mode	DC voltage (V)	DC current (mA)
LTE Band 7_20M QPSK	3.89	418

LTE Band 12

Test mode	DC voltage (V)	DC current (mA)
LTE Band 5_10M QPSK	3.89	421

LTE Band 17

Test mode	DC voltage (V)	DC current (mA)
LTE Band 17_10M QPSK	3.89	433

LTE Band 25

Test mode	DC voltage (V)	DC current (mA)
LTE Band 25_20M QPSK	3.89	437

LTE Band 26 for Part 90S

Test Mode	DC voltage (V)	DC current (mA)
LTE Band 26_10M QPSK	3.89	434

LTE Band 26

Test mode	DC voltage (V)	DC current (mA)
LTE Band 26_15M QPSK	3.89	427

LTE Band 30

Test mode	DC voltage (V)	DC current (mA)
LTE Band 30_10M QPSK	3.89	425

LTE Band 38

Test mode	DC voltage (V)	DC current (mA)
LTE Band 38_20M QPSK	3.89	421

LTE Band 41

Test Mode	DC voltage (V)	DC current (mA)
LTE Band 41_20M QPSK	3.89	429

LTE Band 66

Test mode	DC voltage (V)	DC current (mA)
LTE Band 66_20M QPSK	3.89	436

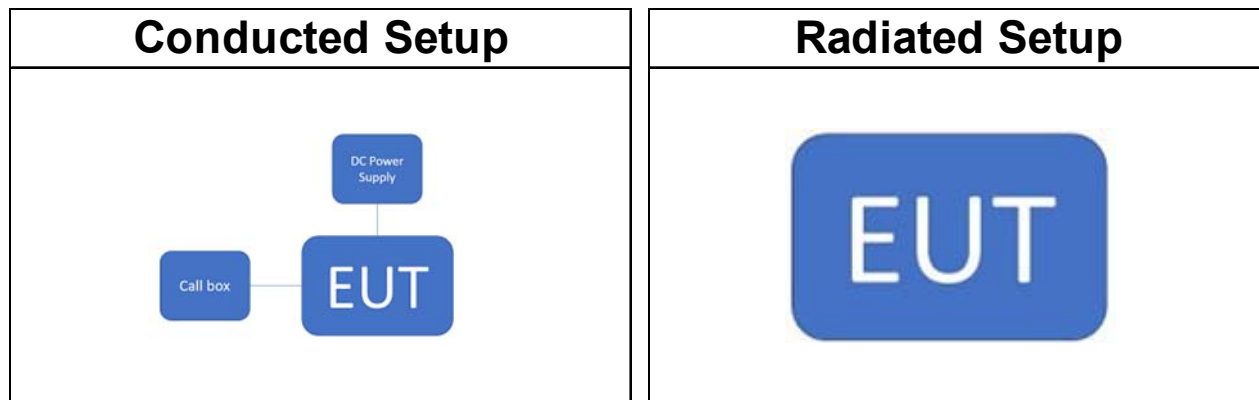
LTE Band 71

Test mode	DC voltage (V)	DC current (mA)
LTE Band 71_20M QPSK	3.89	442

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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)

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(a)(3) §27.50(c)(9) §27.50(c)(10) §27.50(d)(4) §27.50(h)(2) §90.635(b)	ERP/ EIRP measurement	Compliant
§2.1049(h)	99% & 26dB Occupied Bandwidth	Compliant
§2.1051 §22.917(a)(b) §24.238(a)(b) §27.53(a)(4) §27.53(g) §27.53(h)(1),(3) §27.53(m)(4)(6) §90.691(a)	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(a)(4) §27.53(g) §27.53(h)(1)(3) §27.53(m)(4) §90.691(a)	Field Strength of Spurious Radiation	Compliant
§24.232(d) §27.50(a)(1)(B)	Peak to Average Ratio	Compliant
§2.1055(a)(1) §22.355 §24.235 §27.54 §90.213	Frequency Stability	Compliant

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4 DESCRIPTION OF TEST MODES

4.1 The Worst Test Modes and Channel 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.
3. 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.

Mode	Available Antennas				Worst Case Antenna			
	Ant1	Ant2	Ant3	Ant4	Ant1	Ant2	Ant3	Ant4
B2	V	V		V		V		
B4		V		V		V		
B5	V		V		V			
B7				V		V		
B12	V		V		V			
B17	V		V		V			
B25		V		V		V		
B26	V		V		V			
B26 Part90	V		V		V			
B30		V		V		V		
B38		V		V		V		
B41		V		V		V		
B66	V	V		V	V	V		
B71	V		V		V			

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4.2 Measurement Configuration

Test Items				Max. Output Power												
Band	Test Channel			Bandwidth (MHz)						Modulation				RB #		
	L	M	H	1.4	3	5	10	15	20	QPSK	16QAM	64QAM	256QAM	1	Half	Full
2	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
4	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
5	V	V	V	V	V	V	V	-	-	V	V	V	V	V	V	V
7	V	V	V	-	-	V	V	V	V	V	V	V	V	V	V	V
12	V	V	V	V	V	V	V	-	-	V	V	V	V	V	V	V
17	V	V	V	-	-	V	V	-	-	V	V	V	V	V	V	V
25	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
26	V	V	V	V	V	V	V	V	-	V	V	V	V	V	V	V
26 P90	V	V	V	V	V	V	V	-	-	V	V	V	V	V	V	V
30	V	V	V	-	-	V	V	-	-	V	V	V	V	V	V	V
38	V	V	V	-	-	V	V	V	V	V	V	V	V	V	V	V
41	V	V	V	-	-	V	V	V	V	V	V	V	V	V	V	V
66	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
71	V	V	V	-	-	V	V	V	V	V	V	V	V	V	V	V
Test Items				Frequency Stability												
2	-	V	-	-	-	-	V	-	-	V	-	-	-	-	-	V
4	-	V	-	-	-	-	V	-	-	V	-	-	-	-	-	V
5	-	V	-	-	-	-	V	-	-	V	-	-	-	-	-	V
7	-	V	-	-	-	-	V	-	-	V	-	-	-	-	-	V
12	-	V	-	-	-	-	V	-	-	V	-	-	-	-	-	V
17	-	V	-	-	-	-	V	-	-	V	-	-	-	-	-	V
25	-	V	-	-	-	-	V	-	-	V	-	-	-	-	-	V
26	-	V	-	-	-	-	V	-	-	V	-	-	-	-	-	V
26 P90	-	V	-	-	-	-	V	-	-	V	-	-	-	-	-	V
30	-	V	-	-	-	-	V	-	-	V	-	-	-	-	-	V
38	-	V	-	-	-	-	V	-	-	V	-	-	-	-	-	V
41	-	V	-	-	-	-	V	-	-	V	-	-	-	-	-	V
66	-	V	-	-	-	-	V	-	-	V	-	-	-	-	-	V
71	-	V	-	-	-	-	V	-	-	V	-	-	-	-	-	V

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Test Items				26dB and 99% Bandwidth												
Band	Test Channel			Bandwidth (MHz)						Modulation				RB #		
	L	M	H	1.4	3	5	10	15	20	QPSK	16QAM	64QAM	256QAM	1	Half	Full
2	V	V	V	V	V	V	V	V	V	V	V	V	V	-	-	V
4	V	V	V	V	V	V	V	V	V	V	V	V	V	-	-	V
5	V	V	V	V	V	V	V	-	-	V	V	V	V	-	-	V
7	V	V	V	-	-	V	V	V	V	V	V	V	V	-	-	V
12	V	V	V	V	V	V	V	-	-	V	V	V	V	-	-	V
17	V	V	V	-	-	V	V	-	-	V	V	V	V	-	-	V
25	V	V	V	V	V	V	V	V	V	V	V	V	V	-	-	V
26	V	V	V	V	V	V	V	V	-	V	V	V	V	-	-	V
26 P90	V	V	V	V	V	V	V	-	-	V	V	V	V	-	-	V
30	V	V	V	-	-	V	V	-	-	V	V	V	V	-	-	V
38	V	V	V	-	-	V	V	V	V	V	V	V	V	-	-	V
41	V	V	V	-	-	V	V	V	V	V	V	V	V	-	-	V
66	V	V	V	V	V	V	V	V	V	V	V	V	V	-	-	V
71	V	V	V	-	-	V	V	V	V	V	V	V	V	-	-	V
Test Items				Peak-to-Average Ratio												
2	V	V	V	V	V	V	V	V	V	-	-	-	V	-	-	V
4	V	V	V	V	V	V	V	V	V	-	-	-	V	-	-	V
5	V	V	V	V	V	V	V	-	-	-	-	-	V	-	-	V
7	V	V	V	-	-	V	V	V	V	-	-	-	V	-	-	V
12	V	V	V	V	V	V	V	-	-	-	-	-	V	-	-	V
17	V	V	V	-	-	V	V	-	-	-	-	-	V	-	-	V
25	V	V	V	V	V	V	V	V	V	-	-	-	V	-	-	V
26	V	V	V	V	V	V	V	V	-	-	-	-	V	-	-	V
26 P90	V	V	V	V	V	V	V	-	-	-	-	-	V	-	-	V
30	V	V	V	-	-	V	V	-	-	-	-	-	V	-	-	V
38	V	V	V	-	-	V	V	V	V	-	-	-	V	-	-	V
41	V	V	V	-	-	V	V	V	V	-	-	-	V	-	-	V
66	V	V	V	V	V	V	V	V	V	-	-	-	V	-	-	V
71	V	V	V	-	-	V	V	V	V	-	-	-	V	-	-	V

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Test Items				Band Edge												
Band	Test Channel			Bandwidth (MHz)						Modulation				RB #		
	L	M	H	1.4	3	5	10	15	20	QPSK	16QAM	64QAM	256QAM	1	Half	Full
2	V	-	V	V	V	V	V	V	V	V	-	-	-	V	V	V
4	V	-	V	V	V	V	V	V	V	V	-	-	-	V	V	V
5	V	-	V	V	V	V	V	-	-	V	-	-	-	V	V	V
7	V	-	V	-	-	V	V	V	V	V	-	-	-	V	V	V
12	V	-	V	V	V	V	V	-	-	V	-	-	-	V	V	V
17	V	-	V	-	-	V	V	-	-	V	-	-	-	V	V	V
25	V	-	V	V	V	V	V	V	V	V	-	-	-	V	V	V
26	V	-	V	V	V	V	V	V	-	V	-	-	-	V	V	V
26 P90	V	-	V	V	V	V	V	-	-	V	-	-	-	V	V	V
30	V	V	V	-	-	V	V	-	-	V	-	-	-	V	V	V
38	V	-	V	-	-	V	V	V	V	V	-	-	-	V	V	V
41	V	-	V	-	-	V	V	V	V	V	-	-	-	V	V	V
66	V	-	V	V	V	V	V	V	V	V	-	-	-	V	V	V
71	V	-	V	-	-	V	V	V	V	V	-	-	-	V	V	V
Test Items				Conducted Emission												
2	V	V	V	-	-	-	-	-	V	V	-	-	-	V	-	-
4	V	V	V	-	-	-	-	-	V	V	-	-	-	V	-	-
5	V	V	V	-	-	-	V	-	-	V	-	-	-	V	-	-
7	V	V	V	-	-	-	-	-	V	V	-	-	-	V	-	-
12	V	V	V	-	-	-	V	-	-	V	-	-	-	V	-	-
17	V	V	V	-	-	-	V	-	-	V	-	-	-	V	-	-
25	V	V	V	-	-	-	-	-	V	V	-	-	-	V	-	-
26	V	V	V	-	-	-	-	V	-	V	-	-	-	V	-	-
26 P90	V	V	V	-	V	-	-	-	-	V	-	-	-	V	-	-
30	V	V	V	-	-	-	V	-	-	V	-	-	-	V	-	-
38	V	V	V	-	-	-	-	-	V	V	-	-	-	V	-	-
41	V	V	V	-	-	-	-	-	V	V	-	-	-	V	-	-
66	V	V	V	-	-	-	-	-	V	V	-	-	-	V	-	-
71	V	V	V	-	-	-	-	-	V	V	-	-	-	V	-	-
Test Items				Radiated Emission												
Band	Test Channel			Bandwidth (MHz)						Modulation				RB #		
	L	M	H	1.4	3	5	10	15	20	QPSK	16QAM	64QAM	256QAM	1	Half	Full
2	V	V	V						V	V				V		
4	V	V	V						V	V				V		
5	V	V	V				V	-	-	V				V		
7	V	V	V	-	-				V	V				V		
12	V	V	V				V	-	-	V				V		
17	V	V	V	-	-		V	-	-	V				V		
25	V	V	V						V	V				V		
26	V	V	V					V	-	V				V		
26 P90	V	V	V		V			-	-	V				V		
30	V	V	V	-	-		V	-	-	V				V		
38	V	V	V	-	-				V	V				V		
41	V	V	V	-	-				V	V				V		
66	V	V	V						V	V				V		
71	V	V	V	-	-				V	V				V		

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5 MEASUREMENT UNCERTAINTY

Test Items	Uncertainty
RF Power Output	+/- 1 dB
ERP/ EIRP measurement	+/- 2.93 dB
	+/- 2.93 dB
Emission Bandwidth	+/- 1.53 Hz
Out of Band Emissions at Antenna Terminals and Band Edge	+/- 1.68 dB
Peak to Average Ratio	+/- 1 dB
Frequency Stability vs. Temperature	+/- 1.53 Hz
Frequency Stability vs. Voltage	+/- 1.53 Hz
Temperature	+/- 0.7 °C
Humidity	+/- 3 %
DC / AC Power Source	+/- 1 %

Radiated Spurious Emission Measurement Uncertainty		
Polarization: Vertical	+/- 2.8 dB	9kHz~30MHz
	+/- 4.82 dB	30MHz - 1000MHz
	+/- 4.37 dB	1GHz - 18GHz
	+/- 4.21 dB	18GHz - 40GHz
Polarization: Horizontal	+/- 2.8 dB	9kHz~30MHz
	+/- 4.54 dB	30MHz - 1000MHz
	+/- 4.37 dB	1GHz - 18GHz
	+/- 4.21 dB	18GHz - 40GHz

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

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6 MEASUREMENT EQUIPMENT USED

6.1 Conducted Measurement

Conducted Emission Test Site: Conducted 4					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
PXA Spectrum Analyzer	Agilent	N9030A	MY53120760	05/03/2023	05/02/2024
Radio Communication Analyzer	Anritsu	MT8821C	6262044670	08/19/2022	08/18/2023
Test Software	SGS	Radio Test Software	Ver. 21	N.C.R	N.C.R
Temperature Chamber	Giant Force	GTH-150-40-CP-AR	MAA0512-018	05/24/2023	05/23/2024
DC Power Supply	Gwinstek	SPS-3610	GEV856733	12/03/2022	12/02/2023
Attenuator	Mini-Circuit	BW-S10W2+	4	12/13/2022	12/12/2023
DC Block	Mini-Circuits	BLK-18-S+	1	12/13/2022	12/12/2023
Power Divider	RF-LAMBAD	RFLT2W1G18G	11-JSPF412-018	12/13/2022	12/12/2023

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6.2 Radiated Measurement

Radiated Emission Test Site: SAC 2					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Bi-log Antenna	SCHWARZBECK	VULB9168	1208	07/07/2022	07/06/2023
Horn Antenna	RF SPIN	DRH18-E	210303A18-ES	02/24/2023	02/23/2024
Bi-log Antenna	SCHWARZBECK	VULB9168	9168-1278	03/09/2023	03/08/2024
Horn Antenna	SCHWARZBECK	BBHA9120D	603	05/11/2023	05/10/2024
Horn Antenna	SCHWARZBECK	BBHA9170	184	12/30/2022	12/29/2023
Horn Antenna	SCHWARZBECK	BBHA9170	185	08/22/2022	08/21/2023
Test Software	Audix	e3	Ver. 9.210322	N.C.R	N.C.R
EXA Spectrum Analyzer	KEYSIGHT	N9010B	MY60242392	12/20/2022	12/19/2023
Signal Generator	R&S	SMBV100A	263084	12/29/2022	12/28/2023
Radio Communication Analyzer	Anritsu	MT8821C	6261786084	01/16/2023	01/15/2024
Pre-Amplifier	EMCI	EMC330N	980826	08/31/2022	08/30/2023
Pre-Amplifier	EMCI	EMC118A45SEE	980867	08/31/2022	08/30/2023
Pre-Amplifier	EMCI	EMC184045B	980135	10/27/2022	10/26/2023
Bandreject Filter 635-920	Micro-Tronics	WI	4	12/13/2022	12/12/2023
Bandreject Filter 1700-2000	Micro-Tronics	EWT	M3	12/13/2022	12/12/2023
Bandreject Filter 2240-2700	Micro-Tronics	WI	2	12/13/2022	12/12/2023
Bandreject Filter 3300-3800	Micro-Tronics	WI	1	12/13/2022	12/12/2023
1GHz High Pass Filter	Micro-Tronics	HPM50108	32	12/13/2022	12/12/2023
2GHz High Pass Filter	Micro-Tronics	HPM50110	36	12/13/2022	12/12/2023
4GHz High Pass Filter	WI	WHKX4.0/18G-10SS	22	12/13/2022	12/12/2023
Coaxial Cables	EMCI	EMCCFD400-NM-NM-10000	RX Cable below 1G (220238)	08/31/2022	08/30/2023
Coaxial Cables	EMCI	EMC104-SM-SM-600	RX Cable below 1G (220237)	08/31/2022	08/30/2023
Coaxial Cables	EMCI	EMC105-SM-SM-2000	RX Cable below 1G (220910)	08/31/2022	08/30/2023
Coaxial Cables	EMCI	EMC104-SM-SM-10000	RX Cable above 1G (220236)	08/31/2022	08/30/2023
Coaxial Cables	EMCI	EMC105-SM-SM-1000	RX Cable above 1G (201211)	08/31/2022	08/30/2023
Coaxial Cables	EMCI	EMC105-SM-SM-1500	RX Cable above 1G (220906)	08/31/2022	08/30/2023
Coaxial Cables	EMCI	EMC105-SM-SM-2000	RX Cable above 1G (220909)	08/31/2022	08/30/2023
Coaxial Cables	EMCI	EMCCFD400-NM-NM-10000	RX Cable below 30M (220238)	08/31/2022	08/30/2023
Coaxial Cables	EMCI	EMC105-SM-SM-2000	RX Cable below 30M (220910)	08/31/2022	08/30/2023
Coaxial Cable	Huber Suhner	SUCOFLEX 104	160125	12/13/2022	12/12/2023
Coaxial Cable	Huber Suhner	SUCOFLEX 106	76096/6	12/13/2022	12/12/2023
Coaxial Cable	Huber Suhner	SUCOFLEX 102	MY2630/2	12/13/2022	12/12/2023
Coaxial Cable	Huber Suhner	SUCOFLEX 102	MY22962/2	12/13/2022	12/12/2023
Coaxial Cable	Huber Suhner	SUCOFLEX 102	SN 520430/2	12/13/2022	12/12/2023
Site Cal	SGS	SAC 2	N/A	08/31/2022	08/30/2023

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7 MAXIMUM OUTPUT POWER

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 (a)

(3) for mobile and portable stations compliant with 3GPP LTE standards transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band are limited to 250 mW/ 5MHz EIRP but may exceed 50 milliwatts within any 1 megahertz of authorized bandwidth.

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.

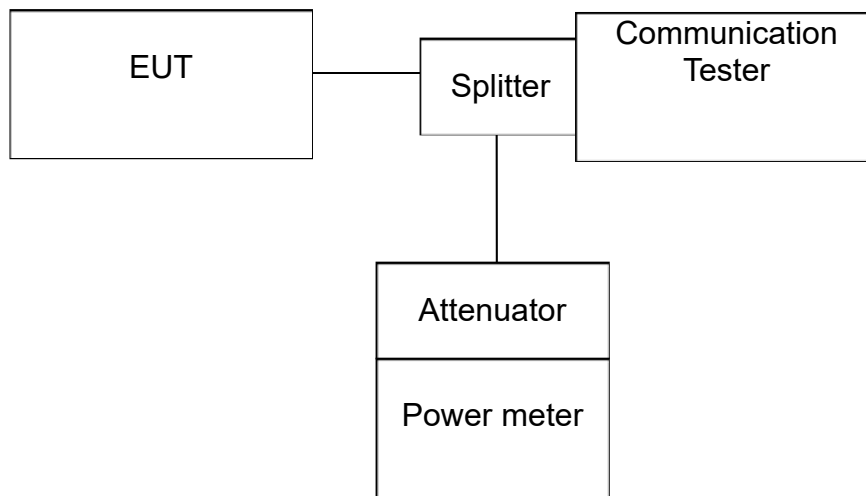
FCC 90.635(b)

Mobile station is limited to 100W ERP

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7.2 Test Set-up



Note: Measurement setup for testing on Antenna connector

7.3 Output Power Measurement Applicable Guidance

The transmitter output was connected to a calibrated attenuator, the other end of which was connected to a power meter. Transmitter output was read off the power meter in dBm. The power output at the transmitter antenna port was determined by adding the value of the attenuator to the power meter reading.

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 P_T , 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_T = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);
- L_C = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

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7.5 Measurement Results:

Antenna gain (dBi)		-3.6							
LTE Band 2_Uplink frequency band : 1850 to 1910 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
1.4	18607	1850.7	QPSK	1	0	22.60	19.00	33	-14
				1	5	22.50	18.90	33	-14.1
				3	2	22.50	18.90	33	-14.1
				6	0	21.72	18.12	33	-14.88
	18900	1880	QPSK	1	0	22.65	19.05	33	-13.95
				1	5	22.54	18.94	33	-14.06
				3	2	22.64	19.04	33	-13.96
				6	0	21.64	18.04	33	-14.96
	19193	1909.3	QPSK	1	0	22.83	19.23	33	-13.77
				1	5	22.67	19.07	33	-13.93
				3	2	22.70	19.10	33	-13.9
				6	0	21.64	18.04	33	-14.96
1.4	18607	1850.7	16QAM	1	0	21.58	17.98	33	-15.02
				1	5	21.60	18.00	33	-15
				3	2	21.69	18.09	33	-14.91
				6	0	20.61	17.01	33	-15.99
	18900	1880	16QAM	1	0	21.60	18.00	33	-15
				1	5	21.71	18.11	33	-14.89
				3	2	21.70	18.10	33	-14.9
				6	0	20.69	17.09	33	-15.91
	19193	1909.3	16QAM	1	0	21.75	18.15	33	-14.85
				1	5	21.80	18.20	33	-14.8
				3	2	21.81	18.21	33	-14.79
				6	0	20.71	17.11	33	-15.89
1.4	18607	1850.7	64QAM	1	0	20.50	16.90	33	-16.1
				1	5	20.56	16.96	33	-16.04
				3	2	20.62	17.02	33	-15.98
				6	0	19.58	15.98	33	-17.02
	18900	1880	64QAM	1	0	20.63	17.03	33	-15.97
				1	5	20.71	17.11	33	-15.89
				3	2	20.54	16.94	33	-16.06
				6	0	19.57	15.97	33	-17.03
	19193	1909.3	64QAM	1	0	20.68	17.08	33	-15.92
				1	5	20.71	17.11	33	-15.89
				3	2	20.76	17.16	33	-15.84
				6	0	19.76	16.16	33	-16.84
1.4	18607	1850.7	256QAM	1	0	17.71	14.11	33	-18.89
				1	5	17.85	14.25	33	-18.75
				3	2	17.73	14.13	33	-18.87
				6	0	17.81	14.21	33	-18.79
	18900	1880	256QAM	1	0	17.75	14.15	33	-18.85
				1	5	17.90	14.30	33	-18.7
				3	2	17.78	14.18	33	-18.82
				6	0	17.85	14.25	33	-18.75
	19193	1909.3	256QAM	1	0	17.95	14.35	33	-18.65
				1	5	17.79	14.19	33	-18.81
				3	2	17.94	14.34	33	-18.66
				6	0	17.84	14.24	33	-18.76

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Antenna gain (dBi)		-3.6							
LTE Band 2_Uplink frequency band : 1850 to 1910 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
3	18615	1851.5	QPSK	1	0	22.63	19.03	33	-13.97
				1	14	22.64	19.04	33	-13.96
				8	4	21.52	17.92	33	-15.08
				15	0	21.63	18.03	33	-14.97
	18900	1880	QPSK	1	0	22.70	19.10	33	-13.9
				1	14	22.65	19.05	33	-13.95
				8	4	21.58	17.98	33	-15.02
				15	0	21.66	18.06	33	-14.94
	19185	1908.5	QPSK	1	0	22.70	19.10	33	-13.9
				1	14	22.71	19.11	33	-13.89
				8	4	21.69	18.09	33	-14.91
				15	0	21.73	18.13	33	-14.87
3	18615	1851.5	16QAM	1	0	21.56	17.96	33	-15.04
				1	14	21.59	17.99	33	-15.01
				8	4	20.52	16.92	33	-16.08
				15	0	20.53	16.93	33	-16.07
	18900	1880	16QAM	1	0	21.59	17.99	33	-15.01
				1	14	21.67	18.07	33	-14.93
				8	4	20.53	16.93	33	-16.07
				15	0	20.63	17.03	33	-15.97
	19185	1908.5	16QAM	1	0	21.78	18.18	33	-14.82
				1	14	21.70	18.10	33	-14.9
				8	4	20.75	17.15	33	-15.85
				15	0	20.71	17.11	33	-15.89
3	18615	1851.5	64QAM	1	0	20.53	16.93	33	-16.07
				1	14	20.72	17.12	33	-15.88
				8	4	19.50	15.90	33	-17.1
				15	0	19.64	16.04	33	-16.96
	18900	1880	64QAM	1	0	20.51	16.91	33	-16.09
				1	14	20.69	17.09	33	-15.91
				8	4	19.69	16.09	33	-16.91
				15	0	19.67	16.07	33	-16.93
	19185	1908.5	64QAM	1	0	20.72	17.12	33	-15.88
				1	14	20.64	17.04	33	-15.96
				8	4	19.72	16.12	33	-16.88
				15	0	19.60	16.00	33	-17
3	18615	1851.5	256QAM	1	0	17.69	14.09	33	-18.91
				1	14	17.75	14.15	33	-18.85
				8	4	17.80	14.20	33	-18.8
				15	0	17.89	14.29	33	-18.71
	18900	1880	256QAM	1	0	17.74	14.14	33	-18.86
				1	14	17.87	14.27	33	-18.73
				8	4	17.77	14.17	33	-18.83
				15	0	17.92	14.32	33	-18.68
	19185	1908.5	256QAM	1	0	18.03	14.43	33	-18.57
				1	14	17.93	14.33	33	-18.67
				8	4	17.99	14.39	33	-18.61
				15	0	17.93	14.33	33	-18.67

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台灣檢驗科技股份有限公司

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Antenna gain (dBi)		-3.6							
LTE Band 2_Uplink frequency band : 1850 to 1910 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
5	18625	1852.5	QPSK	1	0	22.52	18.92	33	-14.08
				1	24	22.56	18.96	33	-14.04
				12	6	21.58	17.98	33	-15.02
				25	0	21.67	18.07	33	-14.93
	18900	1880	QPSK	1	0	22.67	19.07	33	-13.93
				1	24	22.66	19.06	33	-13.94
				12	6	21.56	17.96	33	-15.04
				25	0	21.59	17.99	33	-15.01
	19175	1907.5	QPSK	1	0	22.70	19.10	33	-13.9
				1	24	22.62	19.02	33	-13.98
				12	6	21.65	18.05	33	-14.95
				25	0	21.83	18.23	33	-14.77
5	18625	1852.5	16QAM	1	0	21.50	17.90	33	-15.1
				1	24	21.56	17.96	33	-15.04
				12	6	20.59	16.99	33	-16.01
				25	0	20.57	16.97	33	-16.03
	18900	1880	16QAM	1	0	21.65	18.05	33	-14.95
				1	24	21.61	18.01	33	-14.99
				12	6	20.73	17.13	33	-15.87
				25	0	20.67	17.07	33	-15.93
	19175	1907.5	16QAM	1	0	21.82	18.22	33	-14.78
				1	24	21.68	18.08	33	-14.92
				12	6	20.74	17.14	33	-15.86
				25	0	20.62	17.02	33	-15.98
5	18625	1852.5	64QAM	1	0	20.58	16.98	33	-16.02
				1	24	20.70	17.10	33	-15.9
				12	6	19.57	15.97	33	-17.03
				25	0	19.59	15.99	33	-17.01
	18900	1880	64QAM	1	0	20.61	17.01	33	-15.99
				1	24	20.70	17.10	33	-15.9
				12	6	19.57	15.97	33	-17.03
				25	0	19.54	15.94	33	-17.06
	19175	1907.5	64QAM	1	0	20.73	17.13	33	-15.87
				1	24	20.66	17.06	33	-15.94
				12	6	19.76	16.16	33	-16.84
				25	0	19.76	16.16	33	-16.84
5	18625	1852.5	256QAM	1	0	17.75	14.15	33	-18.85
				1	24	17.81	14.21	33	-18.79
				12	6	17.77	14.17	33	-18.83
				25	0	17.74	14.14	33	-18.86
	18900	1880	256QAM	1	0	17.85	14.25	33	-18.75
				1	24	17.79	14.19	33	-18.81
				12	6	17.87	14.27	33	-18.73
				25	0	17.87	14.27	33	-18.73
	19175	1907.5	256QAM	1	0	17.93	14.33	33	-18.67
				1	24	18.01	14.41	33	-18.59
				12	6	18.05	14.45	33	-18.55
				25	0	17.97	14.37	33	-18.63

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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Antenna gain (dBi)		-3.6							
LTE Band 2_Uplink frequency band : 1850 to 1910 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10	18650	1855	QPSK	1	0	22.57	18.97	33	-14.03
				1	49	22.51	18.91	33	-14.09
				25	12	21.59	17.99	33	-15.01
				50	0	21.61	18.01	33	-14.99
	18900	1880	QPSK	1	0	22.57	18.97	33	-14.03
				1	49	22.60	19.00	33	-14
				25	12	21.67	18.07	33	-14.93
				50	0	21.60	18.00	33	-15
	19150	1905	QPSK	1	0	22.74	19.14	33	-13.86
				1	49	22.73	19.13	33	-13.87
				25	12	21.71	18.11	33	-14.89
				50	0	21.72	18.12	33	-14.88
10	18650	1855	16QAM	1	0	21.50	17.90	33	-15.1
				1	49	21.55	17.95	33	-15.05
				25	12	20.63	17.03	33	-15.97
				50	0	20.51	16.91	33	-16.09
	18900	1880	16QAM	1	0	21.74	18.14	33	-14.86
				1	49	21.56	17.96	33	-15.04
				25	12	20.63	17.03	33	-15.97
				50	0	20.62	17.02	33	-15.98
	19150	1905	16QAM	1	0	21.71	18.11	33	-14.89
				1	49	21.66	18.06	33	-14.94
				25	12	20.63	17.03	33	-15.97
				50	0	20.70	17.10	33	-15.9
10	18650	1855	64QAM	1	0	20.57	16.97	33	-16.03
				1	49	20.60	17.00	33	-16
				25	12	19.56	15.96	33	-17.04
				50	0	19.55	15.95	33	-17.05
	18900	1880	64QAM	1	0	20.62	17.02	33	-15.98
				1	49	20.73	17.13	33	-15.87
				25	12	19.53	15.93	33	-17.07
				50	0	19.64	16.04	33	-16.96
	19150	1905	64QAM	1	0	20.77	17.17	33	-15.83
				1	49	20.85	17.25	33	-15.75
				25	12	19.77	16.17	33	-16.83
				50	0	19.77	16.17	33	-16.83
10	18650	1855	256QAM	1	0	17.75	14.15	33	-18.85
				1	49	17.81	14.21	33	-18.79
				25	12	17.75	14.15	33	-18.85
				50	0	17.79	14.19	33	-18.81
	18900	1880	256QAM	1	0	17.79	14.19	33	-18.81
				1	49	17.75	14.15	33	-18.85
				25	12	17.83	14.23	33	-18.77
				50	0	17.80	14.20	33	-18.8
	19150	1905	256QAM	1	0	17.95	14.35	33	-18.65
				1	49	17.93	14.33	33	-18.67
				25	12	17.94	14.34	33	-18.66
				50	0	17.99	14.39	33	-18.61

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Antenna gain (dBi)		-3.6							
LTE Band 2_Uplink frequency band : 1850 to 1910 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
15	18675	1857.5	QPSK	1	0	22.50	18.90	33	-14.1
				1	74	22.60	19.00	33	-14
				36	18	21.50	17.90	33	-15.1
				75	0	21.50	17.90	33	-15.1
	18900	1880	QPSK	1	0	22.52	18.92	33	-14.08
				1	74	22.62	19.02	33	-13.98
				36	18	21.62	18.02	33	-14.98
				75	0	21.67	18.07	33	-14.93
	19125	1902.5	QPSK	1	0	22.69	19.09	33	-13.91
				1	74	22.78	19.18	33	-13.82
				36	18	21.81	18.21	33	-14.79
				75	0	21.71	18.11	33	-14.89
15	18675	1857.5	16QAM	1	0	21.54	17.94	33	-15.06
				1	74	21.65	18.05	33	-14.95
				36	18	20.51	16.91	33	-16.09
				75	0	20.66	17.06	33	-15.94
	18900	1880	16QAM	1	0	21.61	18.01	33	-14.99
				1	74	21.72	18.12	33	-14.88
				36	18	20.55	16.95	33	-16.05
				75	0	20.62	17.02	33	-15.98
	19125	1902.5	16QAM	1	0	21.61	18.01	33	-14.99
				1	74	21.71	18.11	33	-14.89
				36	18	20.73	17.13	33	-15.87
				75	0	20.75	17.15	33	-15.85
15	18675	1857.5	64QAM	1	0	20.58	16.98	33	-16.02
				1	74	20.60	17.00	33	-16
				36	18	19.56	15.96	33	-17.04
				75	0	19.62	16.02	33	-16.98
	18900	1880	64QAM	1	0	20.63	17.03	33	-15.97
				1	74	20.63	17.03	33	-15.97
				36	18	19.62	16.02	33	-16.98
				75	0	19.58	15.98	33	-17.02
	19125	1902.5	64QAM	1	0	20.79	17.19	33	-15.81
				1	74	20.73	17.13	33	-15.87
				36	18	19.72	16.12	33	-16.88
				75	0	19.66	16.06	33	-16.94
15	18675	1857.5	256QAM	1	0	17.80	14.20	33	-18.8
				1	74	17.86	14.26	33	-18.74
				36	18	17.78	14.18	33	-18.82
				75	0	17.89	14.29	33	-18.71
	18900	1880	256QAM	1	0	17.85	14.25	33	-18.75
				1	74	17.81	14.21	33	-18.79
				36	18	17.89	14.29	33	-18.71
				75	0	17.80	14.20	33	-18.8
	19125	1902.5	256QAM	1	0	17.94	14.34	33	-18.66
				1	74	17.94	14.34	33	-18.66
				36	18	18.01	14.41	33	-18.59
				75	0	17.80	14.20	33	-18.8

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Antenna gain (dBi)		-3.6							
LTE Band 2_Uplink frequency band : 1850 to 1910 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
20	18700	1860	QPSK	1	0	22.74	19.14	33	-13.86
				1	99	22.55	18.95	33	-14.05
				50	25	21.57	17.97	33	-15.03
				100	0	21.54	17.94	33	-15.06
	18900	1880	QPSK	1	0	22.78	19.18	33	-13.82
				1	99	22.61	19.01	33	-13.99
				50	25	21.55	17.95	33	-15.05
				100	0	21.69	18.09	33	-14.91
	19100	1900	QPSK	1	0	22.88	19.28	33	-13.72
				1	99	22.70	19.10	33	-13.9
				50	25	21.76	18.16	33	-14.84
				100	0	21.69	18.09	33	-14.91
20	18700	1860	16QAM	1	0	21.52	17.92	33	-15.08
				1	99	21.65	18.05	33	-14.95
				50	25	20.59	16.99	33	-16.01
				100	0	20.59	16.99	33	-16.01
	18900	1880	16QAM	1	0	21.60	18.00	33	-15
				1	99	21.52	17.92	33	-15.08
				50	25	20.72	17.12	33	-15.88
				100	0	20.67	17.07	33	-15.93
	19100	1900	16QAM	1	0	21.62	18.02	33	-14.98
				1	99	21.65	18.05	33	-14.95
				50	25	20.82	17.22	33	-15.78
				100	0	20.69	17.09	33	-15.91
20	18700	1860	64QAM	1	0	20.61	17.01	33	-15.99
				1	99	20.60	17.00	33	-16
				50	25	19.50	15.90	33	-17.1
				100	0	19.62	16.02	33	-16.98
	18900	1880	64QAM	1	0	20.69	17.09	33	-15.91
				1	99	20.69	17.09	33	-15.91
				50	25	19.56	15.96	33	-17.04
				100	0	19.67	16.07	33	-16.93
	19100	1900	64QAM	1	0	20.63	17.03	33	-15.97
				1	99	20.83	17.23	33	-15.77
				50	25	19.66	16.06	33	-16.94
				100	0	19.68	16.08	33	-16.92
20	18700	1860	256QAM	1	0	17.86	14.26	33	-18.74
				1	99	17.73	14.13	33	-18.87
				50	25	17.73	14.13	33	-18.87
				100	0	17.80	14.20	33	-18.8
	18900	1880	256QAM	1	0	17.93	14.33	33	-18.67
				1	99	17.83	14.23	33	-18.77
				50	25	17.78	14.18	33	-18.82
				100	0	17.76	14.16	33	-18.84
	19100	1900	256QAM	1	0	17.99	14.39	33	-18.61
				1	99	17.98	14.38	33	-18.62
				50	25	17.95	14.35	33	-18.65
				100	0	17.89	14.29	33	-18.71

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Antenna gain (dBi)		-2.74							
LTE Band 4_Uplink frequency band : 1710 to 1755 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
1.4	19957	1710.7	QPSK	1	0	22.95	20.21	30	-9.79
				1	5	22.99	20.25	30	-9.75
				3	2	22.98	20.24	30	-9.76
				6	0	21.99	19.25	30	-10.75
	20175	1732.5	QPSK	1	0	23.48	20.74	30	-9.26
				1	5	23.28	20.54	30	-9.46
				3	2	23.51	20.77	30	-9.23
				6	0	22.36	19.62	30	-10.38
	20393	1754.3	QPSK	1	0	22.85	20.11	30	-9.89
				1	5	22.82	20.08	30	-9.92
				3	2	22.89	20.15	30	-9.85
				6	0	21.78	19.04	30	-10.96
1.4	19957	1710.7	16QAM	1	0	21.99	19.25	30	-10.75
				1	5	22.03	19.29	30	-10.71
				3	2	21.97	19.23	30	-10.77
				6	0	21.01	18.27	30	-11.73
	20175	1732.5	16QAM	1	0	22.37	19.63	30	-10.37
				1	5	22.33	19.59	30	-10.41
				3	2	22.30	19.56	30	-10.44
				6	0	21.38	18.64	30	-11.36
	20393	1754.3	16QAM	1	0	21.88	19.14	30	-10.86
				1	5	21.81	19.07	30	-10.93
				3	2	21.82	19.08	30	-10.92
				6	0	20.86	18.12	30	-11.88
1.4	19957	1710.7	64QAM	1	0	20.96	18.22	30	-11.78
				1	5	20.97	18.23	30	-11.77
				3	2	20.95	18.21	30	-11.79
				6	0	20.02	17.28	30	-12.72
	20175	1732.5	64QAM	1	0	21.37	18.63	30	-11.37
				1	5	21.50	18.76	30	-11.24
				3	2	21.42	18.68	30	-11.32
				6	0	20.37	17.63	30	-12.37
	20393	1754.3	64QAM	1	0	20.81	18.07	30	-11.93
				1	5	20.89	18.15	30	-11.85
				3	2	20.94	18.20	30	-11.8
				6	0	19.78	17.04	30	-12.96
1.4	19957	1710.7	256QAM	1	0	18.20	15.46	30	-14.54
				1	5	18.22	15.48	30	-14.52
				3	2	18.06	15.32	30	-14.68
				6	0	18.24	15.50	30	-14.5
	20175	1732.5	256QAM	1	0	18.45	15.71	30	-14.29
				1	5	18.53	15.79	30	-14.21
				3	2	18.60	15.86	30	-14.14
				6	0	18.50	15.76	30	-14.24
	20393	1754.3	256QAM	1	0	18.19	15.45	30	-14.55
				1	5	18.08	15.34	30	-14.66
				3	2	18.04	15.30	30	-14.7
				6	0	18.04	15.30	30	-14.7

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Antenna gain (dBi)		-2.74							
LTE Band 4_Uplink frequency band : 1710 to 1755 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
3	19965	1711.5	QPSK	1	0	22.98	20.24	30	-9.76
				1	14	22.91	20.17	30	-9.83
				8	4	22.93	20.19	30	-9.81
				15	0	21.99	19.25	30	-10.75
	20175	1732.5	QPSK	1	0	23.43	20.69	30	-9.31
				1	14	23.39	20.65	30	-9.35
				8	4	23.33	20.59	30	-9.41
				15	0	22.37	19.63	30	-10.37
	20385	1753.5	QPSK	1	0	22.87	20.13	30	-9.87
				1	14	22.87	20.13	30	-9.87
				8	4	22.87	20.13	30	-9.87
				15	0	21.95	19.21	30	-10.79
3	19965	1711.5	16QAM	1	0	21.85	19.11	30	-10.89
				1	14	22.05	19.31	30	-10.69
				8	4	22.09	19.35	30	-10.65
				15	0	20.97	18.23	30	-11.77
	20175	1732.5	16QAM	1	0	22.28	19.54	30	-10.46
				1	14	22.32	19.58	30	-10.42
				8	4	22.46	19.72	30	-10.28
				15	0	21.49	18.75	30	-11.25
	20385	1753.5	16QAM	1	0	21.90	19.16	30	-10.84
				1	14	21.76	19.02	30	-10.98
				8	4	21.80	19.06	30	-10.94
				15	0	20.76	18.02	30	-11.98
3	19965	1711.5	64QAM	1	0	21.01	18.27	30	-11.73
				1	14	20.98	18.24	30	-11.76
				8	4	21.03	18.29	30	-11.71
				15	0	20.09	17.35	30	-12.65
	20175	1732.5	64QAM	1	0	21.37	18.63	30	-11.37
				1	14	21.25	18.51	30	-11.49
				8	4	21.36	18.62	30	-11.38
				15	0	20.30	17.56	30	-12.44
	20385	1753.5	64QAM	1	0	20.99	18.25	30	-11.75
				1	14	20.78	18.04	30	-11.96
				8	4	20.82	18.08	30	-11.92
				15	0	19.89	17.15	30	-12.85
3	19965	1711.5	256QAM	1	0	18.18	15.44	30	-14.56
				1	14	18.17	15.43	30	-14.57
				8	4	18.17	15.43	30	-14.57
				15	0	18.23	15.49	30	-14.51
	20175	1732.5	256QAM	1	0	18.66	15.92	30	-14.08
				1	14	18.61	15.87	30	-14.13
				8	4	18.47	15.73	30	-14.27
				15	0	18.62	15.88	30	-14.12
	20385	1753.5	256QAM	1	0	18.07	15.33	30	-14.67
				1	14	17.94	15.20	30	-14.8
				8	4	17.95	15.21	30	-14.79
				15	0	18.01	15.27	30	-14.73

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BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
5	19975	1712.5	QPSK	1	0	22.90	20.16	30	-9.84
				1	24	23.02	20.28	30	-9.72
				12	6	23.05	20.31	30	-9.69
				25	0	22.05	19.31	30	-10.69
	20175	1732.5	QPSK	1	0	23.34	20.60	30	-9.4
				1	24	23.46	20.72	30	-9.28
				12	6	23.39	20.65	30	-9.35
				25	0	22.47	19.73	30	-10.27
	20375	1752.5	QPSK	1	0	22.87	20.13	30	-9.87
				1	24	22.93	20.19	30	-9.81
				12	6	22.86	20.12	30	-9.88
				25	0	21.89	19.15	30	-10.85
5	19975	1712.5	16QAM	1	0	22.03	19.29	30	-10.71
				1	24	21.94	19.20	30	-10.8
				12	6	22.02	19.28	30	-10.72
				25	0	20.97	18.23	30	-11.77
	20175	1732.5	16QAM	1	0	22.40	19.66	30	-10.34
				1	24	22.37	19.63	30	-10.37
				12	6	22.30	19.56	30	-10.44
				25	0	21.49	18.75	30	-11.25
	20375	1752.5	16QAM	1	0	21.90	19.16	30	-10.84
				1	24	21.80	19.06	30	-10.94
				12	6	21.81	19.07	30	-10.93
				25	0	20.76	18.02	30	-11.98
5	19975	1712.5	64QAM	1	0	20.98	18.24	30	-11.76
				1	24	20.98	18.24	30	-11.76
				12	6	21.02	18.28	30	-11.72
				25	0	20.09	17.35	30	-12.65
	20175	1732.5	64QAM	1	0	21.26	18.52	30	-11.48
				1	24	21.34	18.60	30	-11.4
				12	6	21.42	18.68	30	-11.32
				25	0	20.41	17.67	30	-12.33
	20375	1752.5	64QAM	1	0	20.87	18.13	30	-11.87
				1	24	20.90	18.16	30	-11.84
				12	6	20.93	18.19	30	-11.81
				25	0	19.88	17.14	30	-12.86
5	19975	1712.5	256QAM	1	0	18.15	15.41	30	-14.59
				1	24	18.27	15.53	30	-14.47
				12	6	18.13	15.39	30	-14.61
				25	0	18.19	15.45	30	-14.55
	20175	1732.5	256QAM	1	0	18.59	15.85	30	-14.15
				1	24	18.64	15.90	30	-14.1
				12	6	18.62	15.88	30	-14.12
				25	0	18.59	15.85	30	-14.15
	20375	1752.5	256QAM	1	0	17.98	15.24	30	-14.76
				1	24	18.17	15.43	30	-14.57
				12	6	18.07	15.33	30	-14.67
				25	0	18.08	15.34	30	-14.66

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BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10	20000	1715	QPSK	1	0	23.09	20.35	30	-9.65
				1	49	23.02	20.28	30	-9.72
				25	12	22.90	20.16	30	-9.84
				50	0	21.97	19.23	30	-10.77
	20175	1732.5	QPSK	1	0	23.40	20.66	30	-9.34
				1	49	23.39	20.65	30	-9.35
				25	12	23.49	20.75	30	-9.25
				50	0	22.32	19.58	30	-10.42
	20350	1750	QPSK	1	0	22.98	20.24	30	-9.76
				1	49	22.87	20.13	30	-9.87
				25	12	22.99	20.25	30	-9.75
				50	0	21.85	19.11	30	-10.89
10	20000	1715	16QAM	1	0	22.09	19.35	30	-10.65
				1	49	21.93	19.19	30	-10.81
				25	12	21.95	19.21	30	-10.79
				50	0	21.03	18.29	30	-11.71
	20175	1732.5	16QAM	1	0	22.29	19.55	30	-10.45
				1	49	22.27	19.53	30	-10.47
				25	12	22.28	19.54	30	-10.46
				50	0	21.37	18.63	30	-11.37
	20350	1750	16QAM	1	0	21.81	19.07	30	-10.93
				1	49	21.86	19.12	30	-10.88
				25	12	21.90	19.16	30	-10.84
				50	0	20.83	18.09	30	-11.91
10	20000	1715	64QAM	1	0	20.91	18.17	30	-11.83
				1	49	21.04	18.30	30	-11.7
				25	12	20.97	18.23	30	-11.77
				50	0	19.90	17.16	30	-12.84
	20175	1732.5	64QAM	1	0	21.27	18.53	30	-11.47
				1	49	21.34	18.60	30	-11.4
				25	12	21.41	18.67	30	-11.33
				50	0	20.25	17.51	30	-12.49
	20350	1750	64QAM	1	0	20.92	18.18	30	-11.82
				1	49	20.76	18.02	30	-11.98
				25	12	20.80	18.06	30	-11.94
				50	0	19.74	17.00	30	-13
10	20000	1715	256QAM	1	0	18.27	15.53	30	-14.47
				1	49	18.04	15.30	30	-14.7
				25	12	18.12	15.38	30	-14.62
				50	0	18.12	15.38	30	-14.62
	20175	1732.5	256QAM	1	0	18.62	15.88	30	-14.12
				1	49	18.65	15.91	30	-14.09
				25	12	18.55	15.81	30	-14.19
				50	0	18.49	15.75	30	-14.25
	20350	1750	256QAM	1	0	18.08	15.34	30	-14.66
				1	49	18.03	15.29	30	-14.71
				25	12	18.09	15.35	30	-14.65
				50	0	18.15	15.41	30	-14.59

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15	20025	1717.5	QPSK	1	0	23.02	20.28	30	-9.72
				1	74	22.90	20.16	30	-9.84
				36	18	23.05	20.31	30	-9.69
				75	0	21.89	19.15	30	-10.85
	20175	1732.5	QPSK	1	0	23.40	20.66	30	-9.34
				1	74	23.33	20.59	30	-9.41
				36	18	23.38	20.64	30	-9.36
				75	0	22.33	19.59	30	-10.41
	20325	1747.5	QPSK	1	0	22.79	20.05	30	-9.95
				1	74	22.87	20.13	30	-9.87
				36	18	22.85	20.11	30	-9.89
				75	0	21.88	19.14	30	-10.86
15	20025	1717.5	16QAM	1	0	22.06	19.32	30	-10.68
				1	74	22.11	19.37	30	-10.63
				36	18	21.92	19.18	30	-10.82
				75	0	20.97	18.23	30	-11.77
	20175	1732.5	16QAM	1	0	22.38	19.64	30	-10.36
				1	74	22.34	19.60	30	-10.4
				36	18	22.41	19.67	30	-10.33
				75	0	21.33	18.59	30	-11.41
	20325	1747.5	16QAM	1	0	21.90	19.16	30	-10.84
				1	74	21.80	19.06	30	-10.94
				36	18	21.90	19.16	30	-10.84
				75	0	20.95	18.21	30	-11.79
15	20025	1717.5	64QAM	1	0	20.91	18.17	30	-11.83
				1	74	21.02	18.28	30	-11.72
				36	18	20.96	18.22	30	-11.78
				75	0	19.93	17.19	30	-12.81
	20175	1732.5	64QAM	1	0	21.47	18.73	30	-11.27
				1	74	21.31	18.57	30	-11.43
				36	18	21.35	18.61	30	-11.39
				75	0	20.44	17.70	30	-12.3
	20325	1747.5	64QAM	1	0	20.86	18.12	30	-11.88
				1	74	20.93	18.19	30	-11.81
				36	18	20.95	18.21	30	-11.79
				75	0	19.93	17.19	30	-12.81
15	20025	1717.5	256QAM	1	0	18.14	15.40	30	-14.6
				1	74	18.27	15.53	30	-14.47
				36	18	18.26	15.52	30	-14.48
				75	0	18.09	15.35	30	-14.65
	20175	1732.5	256QAM	1	0	18.52	15.78	30	-14.22
				1	74	18.66	15.92	30	-14.08
				36	18	18.57	15.83	30	-14.17
				75	0	18.57	15.83	30	-14.17
	20325	1747.5	256QAM	1	0	18.16	15.42	30	-14.58
				1	74	18.09	15.35	30	-14.65
				36	18	18.11	15.37	30	-14.63
				75	0	18.15	15.41	30	-14.59

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20	20050	1720	QPSK	1	0	23.14	20.40	30	-9.6
				1	99	23.04	20.30	30	-9.7
				50	25	21.88	19.14	30	-10.86
				100	0	22.10	19.36	30	-10.64
	20175	1732.5	QPSK	1	0	23.53	20.79	30	-9.21
				1	99	23.36	20.62	30	-9.38
				50	25	22.36	19.62	30	-10.38
				100	0	22.35	19.61	30	-10.39
	20300	1745	QPSK	1	0	23.03	20.29	30	-9.71
				1	99	22.89	20.15	30	-9.85
				50	25	21.90	19.16	30	-10.84
				100	0	21.88	19.14	30	-10.86
20	20050	1720	16QAM	1	0	21.92	19.18	30	-10.82
				1	99	22.11	19.37	30	-10.63
				50	25	20.98	18.24	30	-11.76
				100	0	21.05	18.31	30	-11.69
	20175	1732.5	16QAM	1	0	22.36	19.62	30	-10.38
				1	99	22.37	19.63	30	-10.37
				50	25	21.40	18.66	30	-11.34
				100	0	21.45	18.71	30	-11.29
	20300	1745	16QAM	1	0	21.91	19.17	30	-10.83
				1	99	21.75	19.01	30	-10.99
				50	25	20.91	18.17	30	-11.83
				100	0	20.84	18.10	30	-11.9
20	20050	1720	64QAM	1	0	20.97	18.23	30	-11.77
				1	99	20.94	18.20	30	-11.8
				50	25	20.10	17.36	30	-12.64
				100	0	19.90	17.16	30	-12.84
	20175	1732.5	64QAM	1	0	21.30	18.56	30	-11.44
				1	99	21.35	18.61	30	-11.39
				50	25	20.29	17.55	30	-12.45
				100	0	20.47	17.73	30	-12.27
	20300	1745	64QAM	1	0	20.95	18.21	30	-11.79
				1	99	20.92	18.18	30	-11.82
				50	25	19.88	17.14	30	-12.86
				100	0	19.86	17.12	30	-12.88
20	20050	1720	256QAM	1	0	18.17	15.43	30	-14.57
				1	99	18.06	15.32	30	-14.68
				50	25	18.21	15.47	30	-14.53
				100	0	18.19	15.45	30	-14.55
	20175	1732.5	256QAM	1	0	18.60	15.86	30	-14.14
				1	99	18.55	15.81	30	-14.19
				50	25	18.67	15.93	30	-14.07
				100	0	18.63	15.89	30	-14.11
	20300	1745	256QAM	1	0	18.04	15.30	30	-14.7
				1	99	18.12	15.38	30	-14.62
				50	25	18.07	15.33	30	-14.67
				100	0	18.09	15.35	30	-14.65

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Antenna gain (dBi)		-3.74								
LTE Band 5_Uplink frequency band : 824 to 849 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
1.4	20407	824.7	QPSK	1	0	23.31	17.42	19.57	38.45	-21.03
				1	5	23.26	17.37	19.52	38.45	-21.08
				3	2	23.44	17.55	19.70	38.45	-20.90
				6	0	22.19	16.30	18.45	38.45	-22.15
	20525	836.5	QPSK	1	0	23.27	17.38	19.53	38.45	-21.07
				1	5	23.29	17.40	19.55	38.45	-21.05
				3	2	23.34	17.45	19.60	38.45	-21.00
				6	0	22.29	16.40	18.55	38.45	-22.05
	20643	848.3	QPSK	1	0	23.43	17.54	19.69	38.45	-20.91
				1	5	23.40	17.51	19.66	38.45	-20.94
				3	2	23.25	17.36	19.51	38.45	-21.09
				6	0	22.37	16.48	18.63	38.45	-21.97
1.4	20407	824.7	16QAM	1	0	22.28	16.39	18.54	38.45	-22.06
				1	5	22.41	16.52	18.67	38.45	-21.93
				3	2	22.33	16.44	18.59	38.45	-22.01
				6	0	21.42	15.53	17.68	38.45	-22.92
	20525	836.5	16QAM	1	0	22.24	16.35	18.50	38.45	-22.10
				1	5	22.30	16.41	18.56	38.45	-22.04
				3	2	22.33	16.44	18.59	38.45	-22.01
				6	0	21.32	15.43	17.58	38.45	-23.02
	20643	848.3	16QAM	1	0	22.26	16.37	18.52	38.45	-22.08
				1	5	22.41	16.52	18.67	38.45	-21.93
				3	2	22.39	16.50	18.65	38.45	-21.95
				6	0	21.51	15.62	17.77	38.45	-22.83
1.4	20407	824.7	64QAM	1	0	21.32	15.43	17.58	38.45	-23.02
				1	5	21.28	15.39	17.54	38.45	-23.06
				3	2	21.27	15.38	17.53	38.45	-23.07
				6	0	20.30	14.41	16.56	38.45	-24.04
	20525	836.5	64QAM	1	0	21.20	15.31	17.46	38.45	-23.14
				1	5	21.32	15.43	17.58	38.45	-23.02
				3	2	21.19	15.30	17.45	38.45	-23.15
				6	0	20.29	14.40	16.55	38.45	-24.05
	20643	848.3	64QAM	1	0	21.26	15.37	17.52	38.45	-23.08
				1	5	21.50	15.61	17.76	38.45	-22.84
				3	2	21.28	15.39	17.54	38.45	-23.06
				6	0	20.36	14.47	16.62	38.45	-23.98
1.4	20407	824.7	256QAM	1	0	18.52	12.63	14.78	38.45	-25.82
				1	5	18.54	12.65	14.80	38.45	-25.80
				3	2	18.54	12.65	14.80	38.45	-25.80
				6	0	18.51	12.62	14.77	38.45	-25.83
	20525	836.5	256QAM	1	0	18.42	12.53	14.68	38.45	-25.92
				1	5	18.50	12.61	14.76	38.45	-25.84
				3	2	18.55	12.66	14.81	38.45	-25.79
				6	0	18.41	12.52	14.67	38.45	-25.93
	20643	848.3	256QAM	1	0	18.52	12.63	14.78	38.45	-25.82
				1	5	18.53	12.64	14.79	38.45	-25.81
				3	2	18.50	12.61	14.76	38.45	-25.84
				6	0	18.66	12.77	14.92	38.45	-25.68

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Antenna gain (dBi)		-3.74								
LTE Band 5_Uplink frequency band : 824 to 849 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
3	20415	825.5	QPSK	1	0	23.40	17.51	19.66	38.45	-20.94
				1	14	23.31	17.42	19.57	38.45	-21.03
				8	4	22.33	16.44	18.59	38.45	-22.01
				15	0	22.29	16.40	18.55	38.45	-22.05
	20525	836.5	QPSK	1	0	23.32	17.43	19.58	38.45	-21.02
				1	14	23.26	17.37	19.52	38.45	-21.08
				8	4	22.37	16.48	18.63	38.45	-21.97
				15	0	22.27	16.38	18.53	38.45	-22.07
	20635	847.5	QPSK	1	0	23.44	17.55	19.70	38.45	-20.90
				1	14	23.32	17.43	19.58	38.45	-21.02
				8	4	22.47	16.58	18.73	38.45	-21.87
				15	0	22.26	16.37	18.52	38.45	-22.08
3	20415	825.5	16QAM	1	0	22.39	16.50	18.65	38.45	-21.95
				1	14	22.36	16.47	18.62	38.45	-21.98
				8	4	21.35	15.46	17.61	38.45	-22.99
				15	0	21.27	15.38	17.53	38.45	-23.07
	20525	836.5	16QAM	1	0	22.28	16.39	18.54	38.45	-22.06
				1	14	22.27	16.38	18.53	38.45	-22.07
				8	4	21.26	15.37	17.52	38.45	-23.08
				15	0	21.31	15.42	17.57	38.45	-23.03
	20635	847.5	16QAM	1	0	22.38	16.49	18.64	38.45	-21.96
				1	14	22.34	16.45	18.60	38.45	-22.00
				8	4	21.40	15.51	17.66	38.45	-22.94
				15	0	21.35	15.46	17.61	38.45	-22.99
3	20415	825.5	64QAM	1	0	21.29	15.40	17.55	38.45	-23.05
				1	14	21.35	15.46	17.61	38.45	-22.99
				8	4	20.31	14.42	16.57	38.45	-24.03
				15	0	20.28	14.39	16.54	38.45	-24.06
	20525	836.5	64QAM	1	0	21.42	15.53	17.68	38.45	-22.92
				1	14	21.39	15.50	17.65	38.45	-22.95
				8	4	20.23	14.34	16.49	38.45	-24.11
				15	0	20.31	14.42	16.57	38.45	-24.03
	20635	847.5	64QAM	1	0	21.32	15.43	17.58	38.45	-23.02
				1	14	21.38	15.49	17.64	38.45	-22.96
				8	4	20.39	14.50	16.65	38.45	-23.95
				15	0	20.42	14.53	16.68	38.45	-23.92
3	20415	825.5	256QAM	1	0	18.45	12.56	14.71	38.45	-25.89
				1	14	18.57	12.68	14.83	38.45	-25.77
				8	4	18.48	12.59	14.74	38.45	-25.86
				15	0	18.47	12.58	14.73	38.45	-25.87
	20525	836.5	256QAM	1	0	18.52	12.63	14.78	38.45	-25.82
				1	14	18.51	12.62	14.77	38.45	-25.83
				8	4	18.43	12.54	14.69	38.45	-25.91
				15	0	18.49	12.60	14.75	38.45	-25.85
	20635	847.5	256QAM	1	0	18.55	12.66	14.81	38.45	-25.79
				1	14	18.58	12.69	14.84	38.45	-25.76
				8	4	18.61	12.72	14.87	38.45	-25.73
				15	0	18.60	12.71	14.86	38.45	-25.74

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LTE Band 5_Uplink frequency band : 824 to 849 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	20425	826.5	QPSK	1	0	23.25	17.36	19.51	38.45	-21.09
				1	24	23.27	17.38	19.53	38.45	-21.07
				12	6	22.38	16.49	18.64	38.45	-21.96
				25	0	22.32	16.43	18.58	38.45	-22.02
	20525	836.5	QPSK	1	0	23.34	17.45	19.60	38.45	-21.00
				1	24	23.38	17.49	19.64	38.45	-20.96
				12	6	22.19	16.30	18.45	38.45	-22.15
				25	0	22.20	16.31	18.46	38.45	-22.14
	20625	846.5	QPSK	1	0	23.34	17.45	19.60	38.45	-21.00
				1	24	23.39	17.50	19.65	38.45	-20.95
				12	6	22.28	16.39	18.54	38.45	-22.06
				25	0	22.31	16.42	18.57	38.45	-22.03
5	20425	826.5	16QAM	1	0	22.42	16.53	18.68	38.45	-21.92
				1	24	22.35	16.46	18.61	38.45	-21.99
				12	6	21.30	15.41	17.56	38.45	-23.04
				25	0	21.32	15.43	17.58	38.45	-23.02
	20525	836.5	16QAM	1	0	22.32	16.43	18.58	38.45	-22.02
				1	24	22.29	16.40	18.55	38.45	-22.05
				12	6	21.27	15.38	17.53	38.45	-23.07
				25	0	21.28	15.39	17.54	38.45	-23.06
	20625	846.5	16QAM	1	0	22.48	16.59	18.74	38.45	-21.86
				1	24	22.33	16.44	18.59	38.45	-22.01
				12	6	21.43	15.54	17.69	38.45	-22.91
				25	0	21.41	15.52	17.67	38.45	-22.93
5	20425	826.5	64QAM	1	0	21.41	15.52	17.67	38.45	-22.93
				1	24	21.32	15.43	17.58	38.45	-23.02
				12	6	20.34	14.45	16.60	38.45	-24.00
				25	0	20.28	14.39	16.54	38.45	-24.06
	20525	836.5	64QAM	1	0	21.35	15.46	17.61	38.45	-22.99
				1	24	21.41	15.52	17.67	38.45	-22.93
				12	6	20.34	14.45	16.60	38.45	-24.00
				25	0	20.27	14.38	16.53	38.45	-24.07
	20625	846.5	64QAM	1	0	21.33	15.44	17.59	38.45	-23.01
				1	24	21.38	15.49	17.64	38.45	-22.96
				12	6	20.36	14.47	16.62	38.45	-23.98
				25	0	20.26	14.37	16.52	38.45	-24.08
5	20425	826.5	256QAM	1	0	18.46	12.57	14.72	38.45	-25.88
				1	24	18.58	12.69	14.84	38.45	-25.76
				12	6	18.58	12.69	14.84	38.45	-25.76
				25	0	18.59	12.70	14.85	38.45	-25.75
	20525	836.5	256QAM	1	0	18.49	12.60	14.75	38.45	-25.85
				1	24	18.47	12.58	14.73	38.45	-25.87
				12	6	18.55	12.66	14.81	38.45	-25.79
				25	0	18.36	12.47	14.62	38.45	-25.98
	20625	846.5	256QAM	1	0	18.56	12.67	14.82	38.45	-25.78
				1	24	18.60	12.71	14.86	38.45	-25.74
				12	6	18.60	12.71	14.86	38.45	-25.74
				25	0	18.55	12.66	14.81	38.45	-25.79

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BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	20450	829	QPSK	1	0	23.49	17.60	19.75	38.45	-20.85
				1	49	23.30	17.41	19.56	38.45	-21.04
				25	12	22.38	16.49	18.64	38.45	-21.96
				50	0	22.39	16.50	18.65	38.45	-21.95
	20525	836.5	QPSK	1	0	23.45	17.56	19.71	38.45	-20.89
				1	49	23.28	17.39	19.54	38.45	-21.06
				25	12	22.28	16.39	18.54	38.45	-22.06
				50	0	22.38	16.49	18.64	38.45	-21.96
	20600	844	QPSK	1	0	23.53	17.64	19.79	38.45	-20.81
				1	49	23.33	17.44	19.59	38.45	-21.01
				25	12	22.40	16.51	18.66	38.45	-21.94
				50	0	22.41	16.52	18.67	38.45	-21.93
10	20450	829	16QAM	1	0	22.37	16.48	18.63	38.45	-21.97
				1	49	22.26	16.37	18.52	38.45	-22.08
				25	12	21.40	15.51	17.66	38.45	-22.94
				50	0	21.34	15.45	17.60	38.45	-23.00
	20525	836.5	16QAM	1	0	22.35	16.46	18.61	38.45	-21.99
				1	49	22.28	16.39	18.54	38.45	-22.06
				25	12	21.35	15.46	17.61	38.45	-22.99
				50	0	21.33	15.44	17.59	38.45	-23.01
	20600	844	16QAM	1	0	22.51	16.62	18.77	38.45	-21.83
				1	49	22.34	16.45	18.60	38.45	-22.00
				25	12	21.39	15.50	17.65	38.45	-22.95
				50	0	21.46	15.57	17.72	38.45	-22.88
10	20450	829	64QAM	1	0	21.29	15.40	17.55	38.45	-23.05
				1	49	21.42	15.53	17.68	38.45	-22.92
				25	12	20.26	14.37	16.52	38.45	-24.08
				50	0	20.23	14.34	16.49	38.45	-24.11
	20525	836.5	64QAM	1	0	21.25	15.36	17.51	38.45	-23.09
				1	49	21.27	15.38	17.53	38.45	-23.07
				25	12	20.33	14.44	16.59	38.45	-24.01
				50	0	20.30	14.41	16.56	38.45	-24.04
	20600	844	64QAM	1	0	21.50	15.61	17.76	38.45	-22.84
				1	49	21.41	15.52	17.67	38.45	-22.93
				25	12	20.40	14.51	16.66	38.45	-23.94
				50	0	20.40	14.51	16.66	38.45	-23.94
10	20450	829	256QAM	1	0	18.47	12.58	14.73	38.45	-25.87
				1	49	18.53	12.64	14.79	38.45	-25.81
				25	12	18.64	12.75	14.90	38.45	-25.70
				50	0	18.55	12.66	14.81	38.45	-25.79
	20525	836.5	256QAM	1	0	18.51	12.62	14.77	38.45	-25.83
				1	49	18.62	12.73	14.88	38.45	-25.72
				25	12	18.51	12.62	14.77	38.45	-25.83
				50	0	18.44	12.55	14.70	38.45	-25.90
	20600	844	256QAM	1	0	18.50	12.61	14.76	38.45	-25.84
				1	49	18.59	12.70	14.85	38.45	-25.75
				25	12	18.45	12.56	14.71	38.45	-25.89
				50	0	18.53	12.64	14.79	38.45	-25.81

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Antenna gain (dBi)		-1.34							
LTE Band 7_Uplink frequency band : 2500 to 2570 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
5	20775	2502.5	QPSK	1	0	23.59	22.25	33	-10.75
				1	24	23.65	22.31	33	-10.69
				12	6	22.53	21.19	33	-11.81
				25	0	22.56	21.22	33	-11.78
	21100	2535	QPSK	1	0	23.28	21.94	33	-11.06
				1	24	23.44	22.10	33	-10.9
				12	6	22.42	21.08	33	-11.92
				25	0	22.44	21.10	33	-11.9
	21425	2567.5	QPSK	1	0	23.44	22.10	33	-10.9
				1	24	23.33	21.99	33	-11.01
				12	6	22.46	21.12	33	-11.88
				25	0	22.44	21.10	33	-11.9
5	20775	2502.5	16QAM	1	0	22.59	21.25	33	-11.75
				1	24	22.47	21.13	33	-11.87
				12	6	21.53	20.19	33	-12.81
				25	0	21.51	20.17	33	-12.83
	21100	2535	16QAM	1	0	22.49	21.15	33	-11.85
				1	24	22.43	21.09	33	-11.91
				12	6	21.39	20.05	33	-12.95
				25	0	21.37	20.03	33	-12.97
	21425	2567.5	16QAM	1	0	22.46	21.12	33	-11.88
				1	24	22.48	21.14	33	-11.86
				12	6	21.46	20.12	33	-12.88
				25	0	21.34	20.00	33	-13
5	20775	2502.5	64QAM	1	0	21.58	20.24	33	-12.76
				1	24	21.56	20.22	33	-12.78
				12	6	20.46	19.12	33	-13.88
				25	0	20.63	19.29	33	-13.71
	21100	2535	64QAM	1	0	21.43	20.09	33	-12.91
				1	24	21.38	20.04	33	-12.96
				12	6	20.36	19.02	33	-13.98
				25	0	20.41	19.07	33	-13.93
	21425	2567.5	64QAM	1	0	21.42	20.08	33	-12.92
				1	24	21.48	20.14	33	-12.86
				12	6	20.39	19.05	33	-13.95
				25	0	20.48	19.14	33	-13.86
5	20775	2502.5	256QAM	1	0	18.72	17.38	33	-15.62
				1	24	18.72	17.38	33	-15.62
				12	6	18.86	17.52	33	-15.48
				25	0	18.69	17.35	33	-15.65
	21100	2535	256QAM	1	0	18.58	17.24	33	-15.76
				1	24	18.72	17.38	33	-15.62
				12	6	18.56	17.22	33	-15.78
				25	0	18.66	17.32	33	-15.68
	21425	2567.5	256QAM	1	0	18.52	17.18	33	-15.82
				1	24	18.55	17.21	33	-15.79
				12	6	18.57	17.23	33	-15.77
				25	0	18.58	17.24	33	-15.76

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BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10	20800	2505	QPSK	1	0	23.47	22.13	33	-10.87
				1	49	23.62	22.28	33	-10.72
				25	12	22.50	21.16	33	-11.84
				50	0	22.55	21.21	33	-11.79
	21100	2535	QPSK	1	0	23.37	22.03	33	-10.97
				1	49	23.38	22.04	33	-10.96
				25	12	22.52	21.18	33	-11.82
				50	0	22.43	21.09	33	-11.91
	21400	2565	QPSK	1	0	23.42	22.08	33	-10.92
				1	49	23.51	22.17	33	-10.83
				25	12	22.45	21.11	33	-11.89
				50	0	22.48	21.14	33	-11.86
10	20800	2505	16QAM	1	0	22.56	21.22	33	-11.78
				1	49	22.57	21.23	33	-11.77
				25	12	21.59	20.25	33	-12.75
				50	0	21.54	20.20	33	-12.8
	21100	2535	16QAM	1	0	22.44	21.10	33	-11.9
				1	49	22.37	21.03	33	-11.97
				25	12	21.32	19.98	33	-13.02
				50	0	21.40	20.06	33	-12.94
	21400	2565	16QAM	1	0	22.54	21.20	33	-11.8
				1	49	22.47	21.13	33	-11.87
				25	12	21.40	20.06	33	-12.94
				50	0	21.43	20.09	33	-12.91
10	20800	2505	64QAM	1	0	21.47	20.13	33	-12.87
				1	49	21.53	20.19	33	-12.81
				25	12	20.59	19.25	33	-13.75
				50	0	20.64	19.30	33	-13.7
	21100	2535	64QAM	1	0	21.50	20.16	33	-12.84
				1	49	21.33	19.99	33	-13.01
				25	12	20.38	19.04	33	-13.96
				50	0	20.39	19.05	33	-13.95
	21400	2565	64QAM	1	0	21.47	20.13	33	-12.87
				1	49	21.44	20.10	33	-12.9
				25	12	20.43	19.09	33	-13.91
				50	0	20.41	19.07	33	-13.93
10	20800	2505	256QAM	1	0	18.86	17.52	33	-15.48
				1	49	18.67	17.33	33	-15.67
				25	12	18.67	17.33	33	-15.67
				50	0	18.86	17.52	33	-15.48
	21100	2535	256QAM	1	0	18.60	17.26	33	-15.74
				1	49	18.49	17.15	33	-15.85
				25	12	18.54	17.20	33	-15.8
				50	0	18.66	17.32	33	-15.68
	21400	2565	256QAM	1	0	18.55	17.21	33	-15.79
				1	49	18.67	17.33	33	-15.67
				25	12	18.56	17.22	33	-15.78
				50	0	18.65	17.31	33	-15.69

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Antenna gain (dBi)		-1.34							
LTE Band 7_Uplink frequency band : 2500 to 2570 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
15	20825	2507.5	QPSK	1	0	23.55	22.21	33	-10.79
				1	74	23.58	22.24	33	-10.76
				36	18	22.59	21.25	33	-11.75
				75	0	22.56	21.22	33	-11.78
	21100	2535	QPSK	1	0	23.36	22.02	33	-10.98
				1	74	23.30	21.96	33	-11.04
				36	18	22.30	20.96	33	-12.04
				75	0	22.36	21.02	33	-11.98
	21375	2562.5	QPSK	1	0	23.37	22.03	33	-10.97
				1	74	23.54	22.20	33	-10.8
				36	18	22.48	21.14	33	-11.86
				75	0	22.50	21.16	33	-11.84
15	20825	2507.5	16QAM	1	0	22.56	21.22	33	-11.78
				1	74	22.56	21.22	33	-11.78
				36	18	21.54	20.20	33	-12.8
				75	0	21.57	20.23	33	-12.77
	21100	2535	16QAM	1	0	22.43	21.09	33	-11.91
				1	74	22.38	21.04	33	-11.96
				36	18	21.31	19.97	33	-13.03
				75	0	21.43	20.09	33	-12.91
	21375	2562.5	16QAM	1	0	22.38	21.04	33	-11.96
				1	74	22.48	21.14	33	-11.86
				36	18	21.30	19.96	33	-13.04
				75	0	21.39	20.05	33	-12.95
15	20825	2507.5	64QAM	1	0	21.63	20.29	33	-12.71
				1	74	21.54	20.20	33	-12.8
				36	18	20.61	19.27	33	-13.73
				75	0	20.51	19.17	33	-13.83
	21100	2535	64QAM	1	0	21.37	20.03	33	-12.97
				1	74	21.45	20.11	33	-12.89
				36	18	20.41	19.07	33	-13.93
				75	0	20.45	19.11	33	-13.89
	21375	2562.5	64QAM	1	0	21.45	20.11	33	-12.89
				1	74	21.45	20.11	33	-12.89
				36	18	20.47	19.13	33	-13.87
				75	0	20.44	19.10	33	-13.9
15	20825	2507.5	256QAM	1	0	18.78	17.44	33	-15.56
				1	74	18.83	17.49	33	-15.51
				36	18	18.75	17.41	33	-15.59
				75	0	18.79	17.45	33	-15.55
	21100	2535	256QAM	1	0	18.65	17.31	33	-15.69
				1	74	18.65	17.31	33	-15.69
				36	18	18.70	17.36	33	-15.64
				75	0	18.47	17.13	33	-15.87
	21375	2562.5	256QAM	1	0	18.65	17.31	33	-15.69
				1	74	18.58	17.24	33	-15.76
				36	18	18.72	17.38	33	-15.62
				75	0	18.59	17.25	33	-15.75

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BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
20	20850	2510	QPSK	1	0	23.73	22.39	33	-10.61
				1	99	23.61	22.27	33	-10.73
				50	25	22.52	21.18	33	-11.82
				100	0	22.56	21.22	33	-11.78
	21100	2535	QPSK	1	0	23.55	22.21	33	-10.79
				1	99	23.36	22.02	33	-10.98
				50	25	22.37	21.03	33	-11.97
				100	0	22.41	21.07	33	-11.93
	21350	2560	QPSK	1	0	23.59	22.25	33	-10.75
				1	99	23.43	22.09	33	-10.91
				50	25	22.51	21.17	33	-11.83
				100	0	22.43	21.09	33	-11.91
20	20850	2510	QPSK	1	0	22.57	21.23	33	-11.77
				1	99	22.49	21.15	33	-11.85
				50	25	21.56	20.22	33	-12.78
				100	0	21.48	20.14	33	-12.86
	21100	2535	QPSK	1	0	22.50	21.16	33	-11.84
				1	99	22.48	21.14	33	-11.86
				50	25	21.50	20.16	33	-12.84
				100	0	21.40	20.06	33	-12.94
	21350	2560	QPSK	1	0	22.55	21.21	33	-11.79
				1	99	22.56	21.22	33	-11.78
				50	25	21.50	20.16	33	-12.84
				100	0	21.46	20.12	33	-12.88
20	20850	2510	QPSK	1	0	21.54	20.20	33	-12.8
				1	99	21.60	20.26	33	-12.74
				50	25	20.47	19.13	33	-13.87
				100	0	20.69	19.35	33	-13.65
	21100	2535	QPSK	1	0	21.30	19.96	33	-13.04
				1	99	21.28	19.94	33	-13.06
				50	25	20.47	19.13	33	-13.87
				100	0	20.37	19.03	33	-13.97
	21350	2560	QPSK	1	0	21.45	20.11	33	-12.89
				1	99	21.49	20.15	33	-12.85
				50	25	20.37	19.03	33	-13.97
				100	0	20.50	19.16	33	-13.84
20	20850	2510	QPSK	1	0	18.84	17.50	33	-15.5
				1	99	18.85	17.51	33	-15.49
				50	25	18.80	17.46	33	-15.54
				100	0	18.73	17.39	33	-15.61
	21100	2535	QPSK	1	0	18.62	17.28	33	-15.72
				1	99	18.51	17.17	33	-15.83
				50	25	18.51	17.17	33	-15.83
				100	0	18.58	17.24	33	-15.76
	21350	2560	QPSK	1	0	18.53	17.19	33	-15.81
				1	99	18.60	17.26	33	-15.74
				50	25	18.65	17.31	33	-15.69
				100	0	18.53	17.19	33	-15.81

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Antenna gain (dBi)		-5.33								
LTE Band 12_Uplink frequency band : 699 to 716 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
1.4	23017	699.7	QPSK	1	0	22.98	15.50	17.65	34.77	-19.27
				1	5	23.03	15.55	17.70	34.77	-19.22
				3	2	23.00	15.52	17.67	34.77	-19.25
				6	0	21.95	14.47	16.62	34.77	-20.30
	23095	707.5	QPSK	1	0	22.98	15.50	17.65	34.77	-19.27
				1	5	22.94	15.46	17.61	34.77	-19.31
				3	2	22.90	15.42	17.57	34.77	-19.35
				6	0	21.87	14.39	16.54	34.77	-20.38
	23173	715.5	QPSK	1	0	22.91	15.43	17.58	34.77	-19.34
				1	5	22.86	15.38	17.53	34.77	-19.39
				3	2	23.06	15.58	17.73	34.77	-19.19
				6	0	21.92	14.44	16.59	34.77	-20.33
1.4	23017	699.7	16QAM	1	0	22.00	14.52	16.67	34.77	-20.25
				1	5	22.00	14.52	16.67	34.77	-20.25
				3	2	21.90	14.42	16.57	34.77	-20.35
				6	0	20.97	13.49	15.64	34.77	-21.28
	23095	707.5	16QAM	1	0	21.93	14.45	16.60	34.77	-20.32
				1	5	21.81	14.33	16.48	34.77	-20.44
				3	2	21.86	14.38	16.53	34.77	-20.39
				6	0	20.97	13.49	15.64	34.77	-21.28
	23173	715.5	16QAM	1	0	21.91	14.43	16.58	34.77	-20.34
				1	5	22.00	14.52	16.67	34.77	-20.25
				3	2	21.94	14.46	16.61	34.77	-20.31
				6	0	21.02	13.54	15.69	34.77	-21.23
1.4	23017	699.7	64QAM	1	0	21.05	13.57	15.72	34.77	-21.20
				1	5	20.83	13.35	15.50	34.77	-21.42
				3	2	20.99	13.51	15.66	34.77	-21.26
				6	0	19.98	12.50	14.65	34.77	-22.27
	23095	707.5	64QAM	1	0	20.88	13.40	15.55	34.77	-21.37
				1	5	20.86	13.38	15.53	34.77	-21.39
				3	2	20.76	13.28	15.43	34.77	-21.49
				6	0	19.83	12.35	14.50	34.77	-22.42
	23173	715.5	64QAM	1	0	20.85	13.37	15.52	34.77	-21.40
				1	5	20.93	13.45	15.60	34.77	-21.32
				3	2	20.93	13.45	15.60	34.77	-21.32
				6	0	20.00	12.52	14.67	34.77	-22.25
1.4	23017	699.7	256QAM	1	0	18.16	10.68	12.83	34.77	-24.09
				1	5	18.07	10.59	12.74	34.77	-24.18
				3	2	18.14	10.66	12.81	34.77	-24.11
				6	0	18.25	10.77	12.92	34.77	-24.00
	23095	707.5	256QAM	1	0	18.10	10.62	12.77	34.77	-24.15
				1	5	18.18	10.70	12.85	34.77	-24.07
				3	2	18.07	10.59	12.74	34.77	-24.18
				6	0	18.16	10.68	12.83	34.77	-24.09
	23173	715.5	256QAM	1	0	18.12	10.64	12.79	34.77	-24.13
				1	5	18.09	10.61	12.76	34.77	-24.16
				3	2	18.21	10.73	12.88	34.77	-24.04
				6	0	18.22	10.74	12.89	34.77	-24.03

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Antenna gain (dBi)		-5.33								
LTE Band 12_Uplink frequency band : 699 to 716 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
3	23025	700.5	QPSK	1	0	23.00	15.52	17.67	34.77	-19.25
				1	14	22.91	15.43	17.58	34.77	-19.34
				8	4	22.01	14.53	16.68	34.77	-20.24
				15	0	21.98	14.50	16.65	34.77	-20.27
	23095	707.5	QPSK	1	0	22.82	15.34	17.49	34.77	-19.43
				1	14	22.85	15.37	17.52	34.77	-19.40
				8	4	21.82	14.34	16.49	34.77	-20.43
				15	0	22.00	14.52	16.67	34.77	-20.25
	23165	714.5	QPSK	1	0	23.06	15.58	17.73	34.77	-19.19
				1	14	22.86	15.38	17.53	34.77	-19.39
				8	4	21.87	14.39	16.54	34.77	-20.38
				15	0	21.89	14.41	16.56	34.77	-20.36
3	23025	700.5	16QAM	1	0	21.88	14.40	16.55	34.77	-20.37
				1	14	22.00	14.52	16.67	34.77	-20.25
				8	4	21.02	13.54	15.69	34.77	-21.23
				15	0	20.99	13.51	15.66	34.77	-21.26
	23095	707.5	16QAM	1	0	21.96	14.48	16.63	34.77	-20.29
				1	14	21.84	14.36	16.51	34.77	-20.41
				8	4	20.87	13.39	15.54	34.77	-21.38
				15	0	20.85	13.37	15.52	34.77	-21.40
	23165	714.5	16QAM	1	0	21.96	14.48	16.63	34.77	-20.29
				1	14	21.98	14.50	16.65	34.77	-20.27
				8	4	20.89	13.41	15.56	34.77	-21.36
				15	0	20.89	13.41	15.56	34.77	-21.36
3	23025	700.5	64QAM	1	0	21.02	13.54	15.69	34.77	-21.23
				1	14	20.97	13.49	15.64	34.77	-21.28
				8	4	19.94	12.46	14.61	34.77	-22.31
				15	0	19.93	12.45	14.60	34.77	-22.32
	23095	707.5	64QAM	1	0	20.90	13.42	15.57	34.77	-21.35
				1	14	20.80	13.32	15.47	34.77	-21.45
				8	4	19.78	12.30	14.45	34.77	-22.47
				15	0	19.87	12.39	14.54	34.77	-22.38
	23165	714.5	64QAM	1	0	20.98	13.50	15.65	34.77	-21.27
				1	14	20.89	13.41	15.56	34.77	-21.36
				8	4	19.89	12.41	14.56	34.77	-22.36
				15	0	20.02	12.54	14.69	34.77	-22.23
3	23025	700.5	256QAM	1	0	18.25	10.77	12.92	34.77	-24.00
				1	14	18.03	10.55	12.70	34.77	-24.22
				8	4	18.25	10.77	12.92	34.77	-24.00
				15	0	18.14	10.66	12.81	34.77	-24.11
	23095	707.5	256QAM	1	0	18.07	10.59	12.74	34.77	-24.18
				1	14	18.02	10.54	12.69	34.77	-24.23
				8	4	18.10	10.62	12.77	34.77	-24.15
				15	0	18.11	10.63	12.78	34.77	-24.14
	23165	714.5	256QAM	1	0	18.18	10.70	12.85	34.77	-24.07
				1	14	18.13	10.65	12.80	34.77	-24.12
				8	4	18.16	10.68	12.83	34.77	-24.09
				15	0	18.22	10.74	12.89	34.77	-24.03

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Antenna gain (dBi)		-5.33								
LTE Band 12_Uplink frequency band : 699 to 716 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	23035	701.5	QPSK	1	0	22.91	15.43	17.58	34.77	-19.34
				1	24	22.99	15.51	17.66	34.77	-19.26
				12	6	22.07	14.59	16.74	34.77	-20.18
				25	0	22.00	14.52	16.67	34.77	-20.25
	23095	707.5	QPSK	1	0	22.85	15.37	17.52	34.77	-19.40
				1	24	22.91	15.43	17.58	34.77	-19.34
				12	6	21.94	14.46	16.61	34.77	-20.31
				25	0	21.83	14.35	16.50	34.77	-20.42
	23155	713.5	QPSK	1	0	22.89	15.41	17.56	34.77	-19.36
				1	24	23.00	15.52	17.67	34.77	-19.25
				12	6	22.05	14.57	16.72	34.77	-20.20
				25	0	21.86	14.38	16.53	34.77	-20.39
5	23035	701.5	16QAM	1	0	21.94	14.46	16.61	34.77	-20.31
				1	24	21.99	14.51	16.66	34.77	-20.26
				12	6	21.04	13.56	15.71	34.77	-21.21
				25	0	20.99	13.51	15.66	34.77	-21.26
	23095	707.5	16QAM	1	0	21.91	14.43	16.58	34.77	-20.34
				1	24	21.77	14.29	16.44	34.77	-20.48
				12	6	20.92	13.44	15.59	34.77	-21.33
				25	0	20.98	13.50	15.65	34.77	-21.27
	23155	713.5	16QAM	1	0	21.92	14.44	16.59	34.77	-20.33
				1	24	21.99	14.51	16.66	34.77	-20.26
				12	6	20.91	13.43	15.58	34.77	-21.34
				25	0	20.98	13.50	15.65	34.77	-21.27
5	23035	701.5	64QAM	1	0	20.90	13.42	15.57	34.77	-21.35
				1	24	20.95	13.47	15.62	34.77	-21.30
				12	6	20.00	12.52	14.67	34.77	-22.25
				25	0	20.00	12.52	14.67	34.77	-22.25
	23095	707.5	64QAM	1	0	20.79	13.31	15.46	34.77	-21.46
				1	24	20.85	13.37	15.52	34.77	-21.40
				12	6	19.91	12.43	14.58	34.77	-22.34
				25	0	19.83	12.35	14.50	34.77	-22.42
	23155	713.5	64QAM	1	0	20.93	13.45	15.60	34.77	-21.32
				1	24	21.03	13.55	15.70	34.77	-21.22
				12	6	19.85	12.37	14.52	34.77	-22.40
				25	0	19.95	12.47	14.62	34.77	-22.30
5	23035	701.5	256QAM	1	0	18.17	10.69	12.84	34.77	-24.08
				1	24	18.19	10.71	12.86	34.77	-24.06
				12	6	18.26	10.78	12.93	34.77	-23.99
				25	0	18.11	10.63	12.78	34.77	-24.14
	23095	707.5	256QAM	1	0	18.16	10.68	12.83	34.77	-24.09
				1	24	18.03	10.55	12.70	34.77	-24.22
				12	6	18.07	10.59	12.74	34.77	-24.18
				25	0	18.06	10.58	12.73	34.77	-24.19
	23155	713.5	256QAM	1	0	18.20	10.72	12.87	34.77	-24.05
				1	24	18.23	10.75	12.90	34.77	-24.02
				12	6	18.06	10.58	12.73	34.77	-24.19
				25	0	18.17	10.69	12.84	34.77	-24.08

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LTE Band 12_Uplink frequency band : 699 to 716 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	23060	704	QPSK	1	0	23.12	15.64	17.79	34.77	-19.13
				1	49	22.96	15.48	17.63	34.77	-19.29
				25	12	22.06	14.58	16.73	34.77	-20.19
				50	0	21.93	14.45	16.60	34.77	-20.32
	23095	707.5	QPSK	1	0	23.04	15.56	17.71	34.77	-19.21
				1	49	22.84	15.36	17.51	34.77	-19.41
				25	12	21.84	14.36	16.51	34.77	-20.41
				50	0	21.90	14.42	16.57	34.77	-20.35
	23130	711	QPSK	1	0	23.11	15.63	17.78	34.77	-19.14
				1	49	23.07	15.59	17.74	34.77	-19.18
				25	12	21.98	14.50	16.65	34.77	-20.27
				50	0	22.09	14.61	16.76	34.77	-20.16
10	23060	704	16QAM	1	0	22.09	14.61	16.76	34.77	-20.16
				1	49	21.85	14.37	16.52	34.77	-20.40
				25	12	21.04	13.56	15.71	34.77	-21.21
				50	0	20.94	13.46	15.61	34.77	-21.31
	23095	707.5	16QAM	1	0	21.98	14.50	16.65	34.77	-20.27
				1	49	21.92	14.44	16.59	34.77	-20.33
				25	12	20.90	13.42	15.57	34.77	-21.35
				50	0	20.92	13.44	15.59	34.77	-21.33
	23130	711	16QAM	1	0	21.88	14.40	16.55	34.77	-20.37
				1	49	21.97	14.49	16.64	34.77	-20.28
				25	12	20.96	13.48	15.63	34.77	-21.29
				50	0	20.94	13.46	15.61	34.77	-21.31
10	23060	704	64QAM	1	0	21.02	13.54	15.69	34.77	-21.23
				1	49	20.93	13.45	15.60	34.77	-21.32
				25	12	19.94	12.46	14.61	34.77	-22.31
				50	0	19.93	12.45	14.60	34.77	-22.32
	23095	707.5	64QAM	1	0	20.92	13.44	15.59	34.77	-21.33
				1	49	20.97	13.49	15.64	34.77	-21.28
				25	12	19.96	12.48	14.63	34.77	-22.29
				50	0	19.89	12.41	14.56	34.77	-22.36
	23130	711	64QAM	1	0	20.86	13.38	15.53	34.77	-21.39
				1	49	21.01	13.53	15.68	34.77	-21.24
				25	12	19.92	12.44	14.59	34.77	-22.33
				50	0	20.05	12.57	14.72	34.77	-22.20
10	23060	704	256QAM	1	0	18.21	10.73	12.88	34.77	-24.04
				1	49	18.12	10.64	12.79	34.77	-24.13
				25	12	18.28	10.80	12.95	34.77	-23.97
				50	0	18.25	10.77	12.92	34.77	-24.00
	23095	707.5	256QAM	1	0	18.07	10.59	12.74	34.77	-24.18
				1	49	18.10	10.62	12.77	34.77	-24.15
				25	12	18.19	10.71	12.86	34.77	-24.06
				50	0	18.11	10.63	12.78	34.77	-24.14
	23130	711	256QAM	1	0	18.13	10.65	12.80	34.77	-24.12
				1	49	18.21	10.73	12.88	34.77	-24.04
				25	12	18.17	10.69	12.84	34.77	-24.08
				50	0	18.12	10.64	12.79	34.77	-24.13

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Antenna gain (dBi)		-5.33								
LTE Band 17_Uplink frequency band : 704 to 716 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	23755	706.5	QPSK	1	0	22.57	15.09	17.24	34.77	-19.68
				1	24	22.65	15.17	17.32	34.77	-19.60
				12	6	21.61	14.13	16.28	34.77	-20.64
				25	0	21.62	14.14	16.29	34.77	-20.63
	23790	710	QPSK	1	0	22.70	15.22	17.37	34.77	-19.55
				1	24	22.64	15.16	17.31	34.77	-19.61
				12	6	21.74	14.26	16.41	34.77	-20.51
				25	0	21.80	14.32	16.47	34.77	-20.45
	23825	713.5	QPSK	1	0	22.89	15.41	17.56	34.77	-19.36
				1	24	22.69	15.21	17.36	34.77	-19.56
				12	6	21.73	14.25	16.40	34.77	-20.52
				25	0	21.78	14.30	16.45	34.77	-20.47
5	23755	706.5	16QAM	1	0	21.60	14.12	16.27	34.77	-20.65
				1	24	21.68	14.20	16.35	34.77	-20.57
				12	6	20.59	13.11	15.26	34.77	-21.66
				25	0	20.72	13.24	15.39	34.77	-21.53
	23790	710	16QAM	1	0	21.70	14.22	16.37	34.77	-20.55
				1	24	21.63	14.15	16.30	34.77	-20.62
				12	6	20.59	13.11	15.26	34.77	-21.66
				25	0	20.80	13.32	15.47	34.77	-21.45
	23825	713.5	16QAM	1	0	21.77	14.29	16.44	34.77	-20.48
				1	24	21.82	14.34	16.49	34.77	-20.43
				12	6	20.88	13.40	15.55	34.77	-21.37
				25	0	20.69	13.21	15.36	34.77	-21.56
5	23755	706.5	64QAM	1	0	20.50	13.02	15.17	34.77	-21.75
				1	24	20.66	13.18	15.33	34.77	-21.59
				12	6	19.74	12.26	14.41	34.77	-22.51
				25	0	19.66	12.18	14.33	34.77	-22.59
	23790	710	64QAM	1	0	20.69	13.21	15.36	34.77	-21.56
				1	24	20.65	13.17	15.32	34.77	-21.60
				12	6	19.73	12.25	14.40	34.77	-22.52
				25	0	19.64	12.16	14.31	34.77	-22.61
	23825	713.5	64QAM	1	0	20.65	13.17	15.32	34.77	-21.60
				1	24	20.80	13.32	15.47	34.77	-21.45
				12	6	19.79	12.31	14.46	34.77	-22.46
				25	0	19.77	12.29	14.44	34.77	-22.48
5	23755	706.5	256QAM	1	0	17.83	10.35	12.50	34.77	-24.42
				1	24	17.85	10.37	12.52	34.77	-24.40
				12	6	17.88	10.40	12.55	34.77	-24.37
				25	0	17.83	10.35	12.50	34.77	-24.42
	23790	710	256QAM	1	0	17.86	10.38	12.53	34.77	-24.39
				1	24	17.97	10.49	12.64	34.77	-24.28
				12	6	17.84	10.36	12.51	34.77	-24.41
				25	0	17.96	10.48	12.63	34.77	-24.29
	23825	713.5	256QAM	1	0	18.00	10.52	12.67	34.77	-24.25
				1	24	18.13	10.65	12.80	34.77	-24.12
				12	6	18.01	10.53	12.68	34.77	-24.24
				25	0	17.90	10.42	12.57	34.77	-24.35

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Antenna gain (dBi)		-5.33								
LTE Band 17_Uplink frequency band : 704 to 716 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	23780	709	QPSK	1	0	22.80	15.32	17.47	34.77	-19.45
				1	49	22.52	15.04	17.19	34.77	-19.73
				25	12	21.59	14.11	16.26	34.77	-20.66
				50	0	21.70	14.22	16.37	34.77	-20.55
	23790	710	QPSK	1	0	22.85	15.37	17.52	34.77	-19.40
				1	49	22.65	15.17	17.32	34.77	-19.60
				25	12	21.64	14.16	16.31	34.77	-20.61
				50	0	21.59	14.11	16.26	34.77	-20.66
	23800	711	QPSK	1	0	22.95	15.47	17.62	34.77	-19.30
				1	49	22.77	15.29	17.44	34.77	-19.48
				25	12	21.70	14.22	16.37	34.77	-20.55
				50	0	21.88	14.40	16.55	34.77	-20.37
10	23780	709	16QAM	1	0	21.54	14.06	16.21	34.77	-20.71
				1	49	21.60	14.12	16.27	34.77	-20.65
				25	12	20.66	13.18	15.33	34.77	-21.59
				50	0	20.59	13.11	15.26	34.77	-21.66
	23790	710	16QAM	1	0	21.75	14.27	16.42	34.77	-20.50
				1	49	21.76	14.28	16.43	34.77	-20.49
				25	12	20.73	13.25	15.40	34.77	-21.52
				50	0	20.61	13.13	15.28	34.77	-21.64
	23800	711	16QAM	1	0	21.78	14.30	16.45	34.77	-20.47
				1	49	21.77	14.29	16.44	34.77	-20.48
				25	12	20.73	13.25	15.40	34.77	-21.52
				50	0	20.82	13.34	15.49	34.77	-21.43
10	23780	709	64QAM	1	0	20.56	13.08	15.23	34.77	-21.69
				1	49	20.59	13.11	15.26	34.77	-21.66
				25	12	19.66	12.18	14.33	34.77	-22.59
				50	0	19.66	12.18	14.33	34.77	-22.59
	23790	710	64QAM	1	0	20.72	13.24	15.39	34.77	-21.53
				1	49	20.72	13.24	15.39	34.77	-21.53
				25	12	19.67	12.19	14.34	34.77	-22.58
				50	0	19.73	12.25	14.40	34.77	-22.52
	23800	711	64QAM	1	0	20.82	13.34	15.49	34.77	-21.43
				1	49	20.78	13.30	15.45	34.77	-21.47
				25	12	19.91	12.43	14.58	34.77	-22.34
				50	0	19.73	12.25	14.40	34.77	-22.52
10	23780	709	256QAM	1	0	17.82	10.34	12.49	34.77	-24.43
				1	49	17.78	10.30	12.45	34.77	-24.47
				25	12	17.84	10.36	12.51	34.77	-24.41
				50	0	17.79	10.31	12.46	34.77	-24.46
	23790	710	256QAM	1	0	17.90	10.42	12.57	34.77	-24.35
				1	49	17.79	10.31	12.46	34.77	-24.46
				25	12	17.90	10.42	12.57	34.77	-24.35
				50	0	17.87	10.39	12.54	34.77	-24.38
	23800	711	256QAM	1	0	18.04	10.56	12.71	34.77	-24.21
				1	49	18.05	10.57	12.72	34.77	-24.20
				25	12	18.07	10.59	12.74	34.77	-24.18
				50	0	17.90	10.42	12.57	34.77	-24.35

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Antenna gain (dBi)		-3.6							
LTE Band 25_Uplink frequency band : 1850 to 1915 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
1.4	26047	1850.7	QPSK	1	0	22.67	19.07	33	-13.93
				1	5	22.65	19.05	33	-13.95
				3	2	22.68	19.08	33	-13.92
				6	0	21.62	18.02	33	-14.98
	26365	1882.5	QPSK	1	0	22.69	19.09	33	-13.91
				1	5	22.78	19.18	33	-13.82
				3	2	22.83	19.23	33	-13.77
				6	0	21.72	18.12	33	-14.88
	26683	1914.3	QPSK	1	0	22.91	19.31	33	-13.69
				1	5	22.82	19.22	33	-13.78
				3	2	22.81	19.21	33	-13.79
				6	0	21.78	18.18	33	-14.82
1.4	26047	1850.7	16QAM	1	0	21.66	18.06	33	-14.94
				1	5	21.71	18.11	33	-14.89
				3	2	21.69	18.09	33	-14.91
				6	0	20.78	17.18	33	-15.82
	26365	1882.5	16QAM	1	0	21.79	18.19	33	-14.81
				1	5	21.66	18.06	33	-14.94
				3	2	21.69	18.09	33	-14.91
				6	0	20.82	17.22	33	-15.78
	26683	1914.3	16QAM	1	0	21.84	18.24	33	-14.76
				1	5	21.86	18.26	33	-14.74
				3	2	21.89	18.29	33	-14.71
				6	0	20.89	17.29	33	-15.71
1.4	26047	1850.7	64QAM	1	0	20.67	17.07	33	-15.93
				1	5	20.77	17.17	33	-15.83
				3	2	20.69	17.09	33	-15.91
				6	0	19.78	16.18	33	-16.82
	26365	1882.5	64QAM	1	0	20.75	17.15	33	-15.85
				1	5	20.79	17.19	33	-15.81
				3	2	20.78	17.18	33	-15.82
				6	0	19.81	16.21	33	-16.79
	26683	1914.3	64QAM	1	0	20.78	17.18	33	-15.82
				1	5	20.86	17.26	33	-15.74
				3	2	20.77	17.17	33	-15.83
				6	0	19.80	16.20	33	-16.8
1.4	26047	1850.7	256QAM	1	0	17.88	14.28	33	-18.72
				1	5	17.89	14.29	33	-18.71
				3	2	17.97	14.37	33	-18.63
				6	0	17.91	14.31	33	-18.69
	26365	1882.5	256QAM	1	0	18.05	14.45	33	-18.55
				1	5	17.99	14.39	33	-18.61
				3	2	17.89	14.29	33	-18.71
				6	0	17.95	14.35	33	-18.65
	26683	1914.3	256QAM	1	0	18.07	14.47	33	-18.53
				1	5	18.08	14.48	33	-18.52
				3	2	17.93	14.33	33	-18.67
				6	0	18.10	14.50	33	-18.5

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Antenna gain (dBi)		-3.6							
LTE Band 25_Uplink frequency band : 1850 to 1915 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
3	26055	1851.5	QPSK	1	0	22.63	19.03	33	-13.97
				1	14	22.70	19.10	33	-13.9
				8	4	21.70	18.10	33	-14.9
				15	0	21.64	18.04	33	-14.96
	26365	1882.5	QPSK	1	0	22.82	19.22	33	-13.78
				1	14	22.79	19.19	33	-13.81
				8	4	21.86	18.26	33	-14.74
				15	0	21.69	18.09	33	-14.91
	26675	1913.5	QPSK	1	0	22.96	19.36	33	-13.64
				1	14	22.85	19.25	33	-13.75
				8	4	21.86	18.26	33	-14.74
				15	0	21.85	18.25	33	-14.75
3	26055	1851.5	16QAM	1	0	21.73	18.13	33	-14.87
				1	14	21.57	17.97	33	-15.03
				8	4	20.74	17.14	33	-15.86
				15	0	20.80	17.20	33	-15.8
	26365	1882.5	16QAM	1	0	21.69	18.09	33	-14.91
				1	14	21.70	18.10	33	-14.9
				8	4	20.77	17.17	33	-15.83
				15	0	20.69	17.09	33	-15.91
	26675	1913.5	16QAM	1	0	21.83	18.23	33	-14.77
				1	14	21.83	18.23	33	-14.77
				8	4	20.83	17.23	33	-15.77
				15	0	20.88	17.28	33	-15.72
3	26055	1851.5	64QAM	1	0	20.66	17.06	33	-15.94
				1	14	20.72	17.12	33	-15.88
				8	4	19.76	16.16	33	-16.84
				15	0	19.76	16.16	33	-16.84
	26365	1882.5	64QAM	1	0	20.86	17.26	33	-15.74
				1	14	20.82	17.22	33	-15.78
				8	4	19.80	16.20	33	-16.8
				15	0	19.74	16.14	33	-16.86
	26675	1913.5	64QAM	1	0	20.87	17.27	33	-15.73
				1	14	20.87	17.27	33	-15.73
				8	4	19.97	16.37	33	-16.63
				15	0	19.89	16.29	33	-16.71
3	26055	1851.5	256QAM	1	0	17.92	14.32	33	-18.68
				1	14	17.90	14.30	33	-18.7
				8	4	17.96	14.36	33	-18.64
				15	0	17.84	14.24	33	-18.76
	26365	1882.5	256QAM	1	0	17.90	14.30	33	-18.7
				1	14	17.89	14.29	33	-18.71
				8	4	17.92	14.32	33	-18.68
				15	0	18.00	14.40	33	-18.6
	26675	1913.5	256QAM	1	0	17.97	14.37	33	-18.63
				1	14	18.11	14.51	33	-18.49
				8	4	18.02	14.42	33	-18.58
				15	0	17.98	14.38	33	-18.62

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BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
5	26065	1852.5	QPSK	1	0	22.63	19.03	33	-13.97
				1	24	22.57	18.97	33	-14.03
				12	6	21.68	18.08	33	-14.92
				25	0	21.58	17.98	33	-15.02
	26365	1882.5	QPSK	1	0	22.65	19.05	33	-13.95
				1	24	22.63	19.03	33	-13.97
				12	6	21.67	18.07	33	-14.93
				25	0	21.73	18.13	33	-14.87
	26665	1912.5	QPSK	1	0	22.88	19.28	33	-13.72
				1	24	22.89	19.29	33	-13.71
				12	6	21.78	18.18	33	-14.82
				25	0	21.78	18.18	33	-14.82
5	26065	1852.5	16QAM	1	0	21.68	18.08	33	-14.92
				1	24	21.76	18.16	33	-14.84
				12	6	20.76	17.16	33	-15.84
				25	0	20.69	17.09	33	-15.91
	26365	1882.5	16QAM	1	0	21.80	18.20	33	-14.8
				1	24	21.65	18.05	33	-14.95
				12	6	20.69	17.09	33	-15.91
				25	0	20.74	17.14	33	-15.86
	26665	1912.5	16QAM	1	0	21.83	18.23	33	-14.77
				1	24	21.94	18.34	33	-14.66
				12	6	20.91	17.31	33	-15.69
				25	0	20.85	17.25	33	-15.75
5	26065	1852.5	64QAM	1	0	20.57	16.97	33	-16.03
				1	24	20.71	17.11	33	-15.89
				12	6	19.72	16.12	33	-16.88
				25	0	19.64	16.04	33	-16.96
	26365	1882.5	64QAM	1	0	20.70	17.10	33	-15.9
				1	24	20.74	17.14	33	-15.86
				12	6	19.78	16.18	33	-16.82
				25	0	19.69	16.09	33	-16.91
	26665	1912.5	64QAM	1	0	20.89	17.29	33	-15.71
				1	24	20.95	17.35	33	-15.65
				12	6	19.82	16.22	33	-16.78
				25	0	19.94	16.34	33	-16.66
5	26065	1852.5	256QAM	1	0	17.90	14.30	33	-18.7
				1	24	17.91	14.31	33	-18.69
				12	6	17.90	14.30	33	-18.7
				25	0	17.86	14.26	33	-18.74
	26365	1882.5	256QAM	1	0	17.96	14.36	33	-18.64
				1	24	18.02	14.42	33	-18.58
				12	6	17.90	14.30	33	-18.7
				25	0	18.01	14.41	33	-18.59
	26665	1912.5	256QAM	1	0	18.10	14.50	33	-18.5
				1	24	18.17	14.57	33	-18.43
				12	6	18.09	14.49	33	-18.51
				25	0	18.03	14.43	33	-18.57

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Antenna gain (dBi)		-3.6							
LTE Band 25_Uplink frequency band : 1850 to 1915 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10	26090	1855	QPSK	1	0	22.66	19.06	33	-13.94
				1	49	22.66	19.06	33	-13.94
				25	12	21.56	17.96	33	-15.04
				50	0	21.73	18.13	33	-14.87
	26365	1882.5	QPSK	1	0	22.68	19.08	33	-13.92
				1	49	22.63	19.03	33	-13.97
				25	12	21.81	18.21	33	-14.79
				50	0	21.79	18.19	33	-14.81
	26640	1910	QPSK	1	0	22.93	19.33	33	-13.67
				1	49	22.91	19.31	33	-13.69
				25	12	21.85	18.25	33	-14.75
				50	0	21.95	18.35	33	-14.65
10	26090	1855	16QAM	1	0	21.79	18.19	33	-14.81
				1	49	21.72	18.12	33	-14.88
				25	12	20.71	17.11	33	-15.89
				50	0	20.65	17.05	33	-15.95
	26365	1882.5	16QAM	1	0	21.81	18.21	33	-14.79
				1	49	21.70	18.10	33	-14.9
				25	12	20.67	17.07	33	-15.93
				50	0	20.75	17.15	33	-15.85
	26640	1910	16QAM	1	0	21.88	18.28	33	-14.72
				1	49	21.92	18.32	33	-14.68
				25	12	20.80	17.20	33	-15.8
				50	0	20.81	17.21	33	-15.79
10	26090	1855	64QAM	1	0	20.56	16.96	33	-16.04
				1	49	20.67	17.07	33	-15.93
				25	12	19.69	16.09	33	-16.91
				50	0	19.70	16.10	33	-16.9
	26365	1882.5	64QAM	1	0	20.68	17.08	33	-15.92
				1	49	20.82	17.22	33	-15.78
				25	12	19.73	16.13	33	-16.87
				50	0	19.75	16.15	33	-16.85
	26640	1910	64QAM	1	0	20.93	17.33	33	-15.67
				1	49	20.97	17.37	33	-15.63
				25	12	19.95	16.35	33	-16.65
				50	0	19.91	16.31	33	-16.69
10	26090	1855	256QAM	1	0	17.92	14.32	33	-18.68
				1	49	17.95	14.35	33	-18.65
				25	12	17.83	14.23	33	-18.77
				50	0	17.87	14.27	33	-18.73
	26365	1882.5	256QAM	1	0	17.89	14.29	33	-18.71
				1	49	17.83	14.23	33	-18.77
				25	12	18.05	14.45	33	-18.55
				50	0	17.94	14.34	33	-18.66
	26640	1910	256QAM	1	0	18.07	14.47	33	-18.53
				1	49	18.00	14.40	33	-18.6
				25	12	18.05	14.45	33	-18.55
				50	0	18.10	14.50	33	-18.5

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Antenna gain (dBi)		-3.6							
LTE Band 25_Uplink frequency band : 1850 to 1915 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
15	26115	1857.5	QPSK	1	0	22.77	19.17	33	-13.83
				1	74	22.64	19.04	33	-13.96
				36	18	21.69	18.09	33	-14.91
				75	0	21.77	18.17	33	-14.83
	26365	1882.5	QPSK	1	0	22.76	19.16	33	-13.84
				1	74	22.80	19.20	33	-13.8
				36	18	21.76	18.16	33	-14.84
				75	0	21.72	18.12	33	-14.88
	26615	1907.5	QPSK	1	0	22.90	19.30	33	-13.7
				1	74	22.79	19.19	33	-13.81
				36	18	21.84	18.24	33	-14.76
				75	0	21.85	18.25	33	-14.75
15	26115	1857.5	16QAM	1	0	21.60	18.00	33	-15
				1	74	21.72	18.12	33	-14.88
				36	18	20.64	17.04	33	-15.96
				75	0	20.70	17.10	33	-15.9
	26365	1882.5	16QAM	1	0	21.71	18.11	33	-14.89
				1	74	21.79	18.19	33	-14.81
				36	18	20.69	17.09	33	-15.91
				75	0	20.84	17.24	33	-15.76
	26615	1907.5	16QAM	1	0	21.84	18.24	33	-14.76
				1	74	21.78	18.18	33	-14.82
				36	18	20.90	17.30	33	-15.7
				75	0	20.88	17.28	33	-15.72
15	26115	1857.5	64QAM	1	0	20.81	17.21	33	-15.79
				1	74	20.81	17.21	33	-15.79
				36	18	19.69	16.09	33	-16.91
				75	0	19.76	16.16	33	-16.84
	26365	1882.5	64QAM	1	0	20.72	17.12	33	-15.88
				1	74	20.71	17.11	33	-15.89
				36	18	19.65	16.05	33	-16.95
				75	0	19.63	16.03	33	-16.97
	26615	1907.5	64QAM	1	0	20.83	17.23	33	-15.77
				1	74	20.87	17.27	33	-15.73
				36	18	19.85	16.25	33	-16.75
				75	0	19.88	16.28	33	-16.72
15	26115	1857.5	256QAM	1	0	17.95	14.35	33	-18.65
				1	74	17.87	14.27	33	-18.73
				36	18	17.97	14.37	33	-18.63
				75	0	17.88	14.28	33	-18.72
	26365	1882.5	256QAM	1	0	17.93	14.33	33	-18.67
				1	74	18.02	14.42	33	-18.58
				36	18	17.97	14.37	33	-18.63
				75	0	17.93	14.33	33	-18.67
	26615	1907.5	256QAM	1	0	18.10	14.50	33	-18.5
				1	74	18.00	14.40	33	-18.6
				36	18	17.97	14.37	33	-18.63
				75	0	18.05	14.45	33	-18.55

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Antenna gain (dBi)		-3.6							
LTE Band 25_Uplink frequency band : 1850 to 1915 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
20	26140	1860	QPSK	1	0	22.84	19.24	33	-13.76
				1	99	22.63	19.03	33	-13.97
				50	25	21.54	17.94	33	-15.06
				100	0	21.69	18.09	33	-14.91
	26365	1882.5	QPSK	1	0	22.91	19.31	33	-13.69
				1	99	22.73	19.13	33	-13.87
				50	25	21.72	18.12	33	-14.88
				100	0	21.76	18.16	33	-14.84
	26590	1905	QPSK	1	0	23.02	19.42	33	-13.58
				1	99	22.96	19.36	33	-13.64
				50	25	21.91	18.31	33	-14.69
				100	0	21.90	18.30	33	-14.7
20	26140	1860	16QAM	1	0	21.61	18.01	33	-14.99
				1	99	21.70	18.10	33	-14.9
				50	25	20.66	17.06	33	-15.94
				100	0	20.69	17.09	33	-15.91
	26365	1882.5	16QAM	1	0	21.80	18.20	33	-14.8
				1	99	21.67	18.07	33	-14.93
				50	25	20.63	17.03	33	-15.97
				100	0	20.79	17.19	33	-15.81
	26590	1905	16QAM	1	0	21.84	18.24	33	-14.76
				1	99	21.88	18.28	33	-14.72
				50	25	20.91	17.31	33	-15.69
				100	0	20.96	17.36	33	-15.64
20	26140	1860	64QAM	1	0	20.76	17.16	33	-15.84
				1	99	20.66	17.06	33	-15.94
				50	25	19.67	16.07	33	-16.93
				100	0	19.63	16.03	33	-16.97
	26365	1882.5	64QAM	1	0	20.87	17.27	33	-15.73
				1	99	20.75	17.15	33	-15.85
				50	25	19.73	16.13	33	-16.87
				100	0	19.82	16.22	33	-16.78
	26590	1905	64QAM	1	0	20.86	17.26	33	-15.74
				1	99	20.91	17.31	33	-15.69
				50	25	19.89	16.29	33	-16.71
				100	0	19.78	16.18	33	-16.82
20	26140	1860	256QAM	1	0	17.93	14.33	33	-18.67
				1	99	17.95	14.35	33	-18.65
				50	25	17.93	14.33	33	-18.67
				100	0	17.84	14.24	33	-18.76
	26365	1882.5	256QAM	1	0	17.95	14.35	33	-18.65
				1	99	17.95	14.35	33	-18.65
				50	25	17.92	14.32	33	-18.68
				100	0	18.00	14.40	33	-18.6
	26590	1905	256QAM	1	0	18.07	14.47	33	-18.53
				1	99	18.07	14.47	33	-18.53
				50	25	17.98	14.38	33	-18.62
				100	0	18.05	14.45	33	-18.55

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Antenna gain (dBi)		-3.74								
LTE Band 26_Uplink frequency band : 824 to 849 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
1.4	26797	824.7	QPSK	1	0	23.05	17.16	19.31	38.45	-21.29
				1	5	22.93	17.04	19.19	38.45	-21.41
				3	2	22.94	17.05	19.20	38.45	-21.40
				6	0	22.23	16.34	18.49	38.45	-22.11
	26915	836.5	QPSK	1	0	22.95	17.06	19.21	38.45	-21.39
				1	5	23.08	17.19	19.34	38.45	-21.26
				3	2	22.85	16.96	19.11	38.45	-21.49
				6	0	22.08	16.19	18.34	38.45	-22.26
	27033	848.3	QPSK	1	0	22.99	17.10	19.25	38.45	-21.35
				1	5	23.14	17.25	19.40	38.45	-21.20
				3	2	23.11	17.22	19.37	38.45	-21.23
				6	0	22.16	16.27	18.42	38.45	-22.18
1.4	26797	824.7	16QAM	1	0	22.17	16.28	18.43	38.45	-22.17
				1	5	22.10	16.21	18.36	38.45	-22.24
				3	2	22.06	16.17	18.32	38.45	-22.28
				6	0	21.23	15.34	17.49	38.45	-23.11
	26915	836.5	16QAM	1	0	22.06	16.17	18.32	38.45	-22.28
				1	5	22.15	16.26	18.41	38.45	-22.19
				3	2	21.97	16.08	18.23	38.45	-22.37
				6	0	21.13	15.24	17.39	38.45	-23.21
	27033	848.3	16QAM	1	0	22.02	16.13	18.28	38.45	-22.32
				1	5	22.13	16.24	18.39	38.45	-22.21
				3	2	22.13	16.24	18.39	38.45	-22.21
				6	0	21.08	15.19	17.34	38.45	-23.26
1.4	26797	824.7	64QAM	1	0	21.17	15.28	17.43	38.45	-23.17
				1	5	21.04	15.15	17.30	38.45	-23.30
				3	2	21.15	15.26	17.41	38.45	-23.19
				6	0	20.26	14.37	16.52	38.45	-24.08
	26915	836.5	64QAM	1	0	21.00	15.11	17.26	38.45	-23.34
				1	5	21.18	15.29	17.44	38.45	-23.16
				3	2	21.04	15.15	17.30	38.45	-23.30
				6	0	20.13	14.24	16.39	38.45	-24.21
	27033	848.3	64QAM	1	0	21.08	15.19	17.34	38.45	-23.26
				1	5	21.13	15.24	17.39	38.45	-23.21
				3	2	21.05	15.16	17.31	38.45	-23.29
				6	0	20.10	14.21	16.36	38.45	-24.24
1.4	26797	824.7	256QAM	1	0	18.32	12.43	14.58	38.45	-26.02
				1	5	18.24	12.35	14.50	38.45	-26.10
				3	2	18.28	12.39	14.54	38.45	-26.06
				6	0	18.30	12.41	14.56	38.45	-26.04
	26915	836.5	256QAM	1	0	18.24	12.35	14.50	38.45	-26.10
				1	5	18.15	12.26	14.41	38.45	-26.19
				3	2	18.22	12.33	14.48	38.45	-26.12
				6	0	18.16	12.27	14.42	38.45	-26.18
	27033	848.3	256QAM	1	0	18.34	12.45	14.60	38.45	-26.00
				1	5	18.33	12.44	14.59	38.45	-26.01
				3	2	18.33	12.44	14.59	38.45	-26.01
				6	0	18.38	12.49	14.64	38.45	-25.96

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Antenna gain (dBi)		-3.74								
LTE Band 26_Uplink frequency band : 824 to 849 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
3	26805	825.5	QPSK	1	0	23.15	17.26	19.41	38.45	-21.19
				1	14	22.94	17.05	19.20	38.45	-21.40
				8	4	22.23	16.34	18.49	38.45	-22.11
				15	0	22.15	16.26	18.41	38.45	-22.19
	26915	836.5	QPSK	1	0	22.85	16.96	19.11	38.45	-21.49
				1	14	23.09	17.20	19.35	38.45	-21.25
				8	4	22.14	16.25	18.40	38.45	-22.20
				15	0	22.10	16.21	18.36	38.45	-22.24
	27025	847.5	QPSK	1	0	23.09	17.20	19.35	38.45	-21.25
				1	14	23.09	17.20	19.35	38.45	-21.25
				8	4	22.18	16.29	18.44	38.45	-22.16
				15	0	22.07	16.18	18.33	38.45	-22.27
3	26805	825.5	16QAM	1	0	22.12	16.23	18.38	38.45	-22.22
				1	14	22.27	16.38	18.53	38.45	-22.07
				8	4	21.23	15.34	17.49	38.45	-23.11
				15	0	21.10	15.21	17.36	38.45	-23.24
	26915	836.5	16QAM	1	0	22.26	16.37	18.52	38.45	-22.08
				1	14	22.09	16.20	18.35	38.45	-22.25
				8	4	21.31	15.42	17.57	38.45	-23.03
				15	0	21.19	15.30	17.45	38.45	-23.15
	27025	847.5	16QAM	1	0	22.14	16.25	18.40	38.45	-22.20
				1	14	22.06	16.17	18.32	38.45	-22.28
				8	4	21.18	15.29	17.44	38.45	-23.16
				15	0	21.18	15.29	17.44	38.45	-23.16
3	26805	825.5	64QAM	1	0	21.10	15.21	17.36	38.45	-23.24
				1	14	21.22	15.33	17.48	38.45	-23.12
				8	4	20.28	14.39	16.54	38.45	-24.06
				15	0	20.15	14.26	16.41	38.45	-24.19
	26915	836.5	64QAM	1	0	20.92	15.03	17.18	38.45	-23.42
				1	14	21.07	15.18	17.33	38.45	-23.27
				8	4	20.11	14.22	16.37	38.45	-24.23
				15	0	20.02	14.13	16.28	38.45	-24.32
	27025	847.5	64QAM	1	0	20.98	15.09	17.24	38.45	-23.36
				1	14	21.16	15.27	17.42	38.45	-23.18
				8	4	20.14	14.25	16.40	38.45	-24.20
				15	0	20.12	14.23	16.38	38.45	-24.22
3	26805	825.5	256QAM	1	0	18.26	12.37	14.52	38.45	-26.08
				1	14	18.22	12.33	14.48	38.45	-26.12
				8	4	18.25	12.36	14.51	38.45	-26.09
				15	0	18.21	12.32	14.47	38.45	-26.13
	26915	836.5	256QAM	1	0	18.16	12.27	14.42	38.45	-26.18
				1	14	18.22	12.33	14.48	38.45	-26.12
				8	4	18.15	12.26	14.41	38.45	-26.19
				15	0	18.06	12.17	14.32	38.45	-26.28
	27025	847.5	256QAM	1	0	18.30	12.41	14.56	38.45	-26.04
				1	14	18.31	12.42	14.57	38.45	-26.03
				8	4	18.31	12.42	14.57	38.45	-26.03
				15	0	18.30	12.41	14.56	38.45	-26.04

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Antenna gain (dBi)		-3.74								
LTE Band 26_Uplink frequency band : 824 to 849 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	26815	826.5	QPSK	1	0	23.09	17.20	19.35	38.45	-21.25
				1	24	22.98	17.09	19.24	38.45	-21.36
				12	6	22.24	16.35	18.50	38.45	-22.10
				25	0	22.29	16.40	18.55	38.45	-22.05
	26915	836.5	QPSK	1	0	23.02	17.13	19.28	38.45	-21.32
				1	24	22.84	16.95	19.10	38.45	-21.50
				12	6	22.97	17.08	19.23	38.45	-21.37
				25	0	22.26	16.37	18.52	38.45	-22.08
	27015	846.5	QPSK	1	0	23.12	17.23	19.38	38.45	-21.22
				1	24	23.14	17.25	19.40	38.45	-21.20
				12	6	22.16	16.27	18.42	38.45	-22.18
				25	0	22.02	16.13	18.28	38.45	-22.32
5	26815	826.5	16QAM	1	0	22.16	16.27	18.42	38.45	-22.18
				1	24	21.98	16.09	18.24	38.45	-22.36
				12	6	22.04	16.15	18.30	38.45	-22.30
				25	0	21.15	15.26	17.41	38.45	-23.19
	26915	836.5	16QAM	1	0	21.96	16.07	18.22	38.45	-22.38
				1	24	21.85	15.96	18.11	38.45	-22.49
				12	6	21.10	15.21	17.36	38.45	-23.24
				25	0	21.07	15.18	17.33	38.45	-23.27
	27015	846.5	16QAM	1	0	22.04	16.15	18.30	38.45	-22.30
				1	24	22.00	16.11	18.26	38.45	-22.34
				12	6	21.09	15.20	17.35	38.45	-23.25
				25	0	21.00	15.11	17.26	38.45	-23.34
5	26815	826.5	64QAM	1	0	21.23	15.34	17.49	38.45	-23.11
				1	24	21.14	15.25	17.40	38.45	-23.20
				12	6	20.28	14.39	16.54	38.45	-24.06
				25	0	20.11	14.22	16.37	38.45	-24.23
	26915	836.5	64QAM	1	0	21.15	15.26	17.41	38.45	-23.19
				1	24	21.01	15.12	17.27	38.45	-23.33
				12	6	20.20	14.31	16.46	38.45	-24.14
				25	0	20.13	14.24	16.39	38.45	-24.21
	27015	846.5	64QAM	1	0	21.11	15.22	17.37	38.45	-23.23
				1	24	21.13	15.24	17.39	38.45	-23.21
				12	6	20.04	14.15	16.30	38.45	-24.30
				25	0	20.05	14.16	16.31	38.45	-24.29
5	26815	826.5	256QAM	1	0	18.38	12.49	14.64	38.45	-25.96
				1	24	18.37	12.48	14.63	38.45	-25.97
				12	6	18.22	12.33	14.48	38.45	-26.12
				25	0	18.17	12.28	14.43	38.45	-26.17
	26915	836.5	256QAM	1	0	18.22	12.33	14.48	38.45	-26.12
				1	24	18.19	12.30	14.45	38.45	-26.15
				12	6	18.28	12.39	14.54	38.45	-26.06
				25	0	18.20	12.31	14.46	38.45	-26.14
	27015	846.5	256QAM	1	0	18.35	12.46	14.61	38.45	-25.99
				1	24	18.24	12.35	14.50	38.45	-26.10
				12	6	18.17	12.28	14.43	38.45	-26.17
				25	0	18.26	12.37	14.52	38.45	-26.08

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BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	26840	829	QPSK	1	0	23.09	17.20	19.35	38.45	-21.25
				1	49	22.94	17.05	19.20	38.45	-21.40
				25	12	21.89	16.00	18.15	38.45	-22.45
				50	0	21.79	15.90	18.05	38.45	-22.55
	26915	836.5	QPSK	1	0	23.04	17.15	19.30	38.45	-21.30
				1	49	22.93	17.04	19.19	38.45	-21.41
				25	12	21.92	16.03	18.18	38.45	-22.42
				50	0	21.89	16.00	18.15	38.45	-22.45
	26990	844	QPSK	1	0	23.06	17.17	19.32	38.45	-21.28
				1	49	23.08	17.19	19.34	38.45	-21.26
				25	12	21.97	16.08	18.23	38.45	-22.37
				50	0	21.99	16.10	18.25	38.45	-22.35
10	26840	829	16QAM	1	0	22.09	16.20	18.35	38.45	-22.25
				1	49	22.02	16.13	18.28	38.45	-22.32
				25	12	21.18	15.29	17.44	38.45	-23.16
				50	0	21.05	15.16	17.31	38.45	-23.29
	26915	836.5	16QAM	1	0	22.05	16.16	18.31	38.45	-22.29
				1	49	21.94	16.05	18.20	38.45	-22.40
				25	12	21.09	15.20	17.35	38.45	-23.25
				50	0	21.11	15.22	17.37	38.45	-23.23
	26990	844	16QAM	1	0	22.02	16.13	18.28	38.45	-22.32
				1	49	22.07	16.18	18.33	38.45	-22.27
				25	12	21.06	15.17	17.32	38.45	-23.28
				50	0	21.16	15.27	17.42	38.45	-23.18
10	26840	829	64QAM	1	0	21.18	15.29	17.44	38.45	-23.16
				1	49	21.08	15.19	17.34	38.45	-23.26
				25	12	20.19	14.30	16.45	38.45	-24.15
				50	0	19.85	13.96	16.11	38.45	-24.49
	26915	836.5	64QAM	1	0	21.13	15.24	17.39	38.45	-23.21
				1	49	21.06	15.17	17.32	38.45	-23.28
				25	12	20.14	14.25	16.40	38.45	-24.20
				50	0	19.88	13.99	16.14	38.45	-24.46
	26990	844	64QAM	1	0	21.09	15.20	17.35	38.45	-23.25
				1	49	21.12	15.23	17.38	38.45	-23.22
				25	12	20.15	14.26	16.41	38.45	-24.19
				50	0	19.98	14.09	16.24	38.45	-24.36
10	26840	829	256QAM	1	0	18.20	12.31	14.46	38.45	-26.14
				1	49	18.26	12.37	14.52	38.45	-26.08
				25	12	18.31	12.42	14.57	38.45	-26.03
				50	0	18.24	12.35	14.50	38.45	-26.10
	26915	836.5	256QAM	1	0	18.23	12.34	14.49	38.45	-26.11
				1	49	18.18	12.29	14.44	38.45	-26.16
				25	12	18.11	12.22	14.37	38.45	-26.23
				50	0	18.20	12.31	14.46	38.45	-26.14
	26990	844	256QAM	1	0	18.18	12.29	14.44	38.45	-26.16
				1	49	18.36	12.47	14.62	38.45	-25.98
				25	12	18.39	12.50	14.65	38.45	-25.95
				50	0	18.30	12.41	14.56	38.45	-26.04

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15	26865	831.5	QPSK	1	0	23.14	17.25	19.40	38.45	-21.20
				1	74	22.95	17.06	19.21	38.45	-21.39
				36	18	22.68	16.79	18.94	38.45	-21.66
				75	0	22.34	16.45	18.60	38.45	-22.00
	26915	836.5	QPSK	1	0	23.18	17.29	19.44	38.45	-21.16
				1	74	22.84	16.95	19.10	38.45	-21.50
				36	18	22.28	16.39	18.54	38.45	-22.06
				75	0	22.15	16.26	18.41	38.45	-22.19
	26965	841.5	QPSK	1	0	23.25	17.36	19.51	38.45	-21.09
				1	74	23.08	17.19	19.34	38.45	-21.26
				36	18	22.12	16.23	18.38	38.45	-22.22
				75	0	22.07	16.18	18.33	38.45	-22.27
15	26865	831.5	16QAM	1	0	22.21	16.32	18.47	38.45	-22.13
				1	74	22.16	16.27	18.42	38.45	-22.18
				36	18	21.27	15.38	17.53	38.45	-23.07
				75	0	21.18	15.29	17.44	38.45	-23.16
	26915	836.5	16QAM	1	0	22.19	16.30	18.45	38.45	-22.15
				1	74	22.15	16.26	18.41	38.45	-22.19
				36	18	21.29	15.40	17.55	38.45	-23.05
				75	0	21.17	15.28	17.43	38.45	-23.17
	26965	841.5	16QAM	1	0	22.11	16.22	18.37	38.45	-22.23
				1	74	22.13	16.24	18.39	38.45	-22.21
				36	18	21.15	15.26	17.41	38.45	-23.19
				75	0	21.11	15.22	17.37	38.45	-23.23
15	26865	831.5	64QAM	1	0	21.05	15.16	17.31	38.45	-23.29
				1	74	21.16	15.27	17.42	38.45	-23.18
				36	18	20.34	14.45	16.60	38.45	-24.00
				75	0	20.15	14.26	16.41	38.45	-24.19
	26915	836.5	64QAM	1	0	21.17	15.28	17.43	38.45	-23.17
				1	74	21.10	15.21	17.36	38.45	-23.24
				36	18	20.15	14.26	16.41	38.45	-24.19
				75	0	20.08	14.19	16.34	38.45	-24.26
	26965	841.5	64QAM	1	0	21.08	15.19	17.34	38.45	-23.26
				1	74	21.13	15.24	17.39	38.45	-23.21
				36	18	20.18	14.29	16.44	38.45	-24.16
				75	0	20.04	14.15	16.30	38.45	-24.30
15	26865	831.5	256QAM	1	0	18.45	12.56	14.71	38.45	-25.89
				1	74	18.17	12.28	14.43	38.45	-26.17
				36	18	18.20	12.31	14.46	38.45	-26.14
				75	0	18.24	12.35	14.50	38.45	-26.10
	26915	836.5	256QAM	1	0	18.28	12.39	14.54	38.45	-26.06
				1	74	18.13	12.24	14.39	38.45	-26.21
				36	18	18.26	12.37	14.52	38.45	-26.08
				75	0	18.17	12.28	14.43	38.45	-26.17
	26965	841.5	256QAM	1	0	18.35	12.46	14.61	38.45	-25.99
				1	74	18.16	12.27	14.42	38.45	-26.18
				36	18	18.29	12.40	14.55	38.45	-26.05
				75	0	18.34	12.45	14.60	38.45	-26.00

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Antenna gain (dBi)		-5.25								
Part 90S_LTE Band 26_Uplink frequency band : 814 to 824 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
1.4	26697	814.7	QPSK	1	0	23.20	15.80	17.95	50	-34.20
				1	5	23.19	15.79	17.94	50	-34.21
				3	2	23.20	15.80	17.95	50	-34.20
				6	0	22.20	14.80	16.95	50	-35.20
	26740	819	QPSK	1	0	23.08	15.68	17.83	50	-34.32
				1	5	23.14	15.74	17.89	50	-34.26
				3	2	22.98	15.58	17.73	50	-34.42
				6	0	22.17	14.77	16.92	50	-35.23
	26783	823.3	QPSK	1	0	22.97	15.57	17.72	50	-34.43
				1	5	22.88	15.48	17.63	50	-34.52
				3	2	22.92	15.52	17.67	50	-34.48
				6	0	22.14	14.74	16.89	50	-35.26
1.4	26697	814.7	16QAM	1	0	22.12	14.72	16.87	50	-35.28
				1	5	22.12	14.72	16.87	50	-35.28
				3	2	22.10	14.70	16.85	50	-35.30
				6	0	21.18	13.78	15.93	50	-36.22
	26740	819	16QAM	1	0	22.16	14.76	16.91	50	-35.24
				1	5	22.04	14.64	16.79	50	-35.36
				3	2	21.95	14.55	16.70	50	-35.45
				6	0	21.24	13.84	15.99	50	-36.16
	26783	823.3	16QAM	1	0	22.19	14.79	16.94	50	-35.21
				1	5	22.04	14.64	16.79	50	-35.36
				3	2	22.13	14.73	16.88	50	-35.27
				6	0	21.04	13.64	15.79	50	-36.36
1.4	26697	814.7	64QAM	1	0	21.16	13.76	15.91	50	-36.24
				1	5	21.17	13.77	15.92	50	-36.23
				3	2	21.04	13.64	15.79	50	-36.36
				6	0	20.09	12.69	14.84	50	-37.31
	26740	819	64QAM	1	0	21.14	13.74	15.89	50	-36.26
				1	5	21.09	13.69	15.84	50	-36.31
				3	2	21.11	13.71	15.86	50	-36.29
				6	0	20.18	12.78	14.93	50	-37.22
	26783	823.3	64QAM	1	0	21.04	13.64	15.79	50	-36.36
				1	5	21.20	13.80	15.95	50	-36.20
				3	2	21.09	13.69	15.84	50	-36.31
				6	0	20.18	12.78	14.93	50	-37.22
1.4	26697	814.7	256QAM	1	0	18.42	11.02	13.17	50	-38.98
				1	5	18.28	10.88	13.03	50	-39.12
				3	2	18.32	10.92	13.07	50	-39.08
				6	0	18.25	10.85	13.00	50	-39.15
	26740	819	256QAM	1	0	18.37	10.97	13.12	50	-39.03
				1	5	18.19	10.79	12.94	50	-39.21
				3	2	18.25	10.85	13.00	50	-39.15
				6	0	18.30	10.90	13.05	50	-39.10
	26783	823.3	256QAM	1	0	18.04	10.64	12.79	50	-39.36
				1	5	18.22	10.82	12.97	50	-39.18
				3	2	18.37	10.97	13.12	50	-39.03
				6	0	18.39	10.99	13.14	50	-39.01

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Antenna gain (dBi)		-5.25								
Part 90S_LTE Band 26_Uplink frequency band : 814 to 824 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
3	26705	815.5	QPSK	1	0	23.21	15.81	17.96	50	-34.19
				1	14	23.12	15.72	17.87	50	-34.28
				8	4	22.18	14.78	16.93	50	-35.22
				15	0	22.13	14.73	16.88	50	-35.27
	26740	819	QPSK	1	0	23.18	15.78	17.93	50	-34.22
				1	14	23.09	15.69	17.84	50	-34.31
				8	4	22.17	14.77	16.92	50	-35.23
				15	0	22.09	14.69	16.84	50	-35.31
	26775	822.5	QPSK	1	0	23.11	15.71	17.86	50	-34.29
				1	14	22.97	15.57	17.72	50	-34.43
				8	4	22.16	14.76	16.91	50	-35.24
				15	0	22.11	14.71	16.86	50	-35.29
3	26705	815.5	16QAM	1	0	22.21	14.81	16.96	50	-35.19
				1	14	22.05	14.65	16.80	50	-35.35
				8	4	21.07	13.67	15.82	50	-36.33
				15	0	21.20	13.80	15.95	50	-36.20
	26740	819	16QAM	1	0	22.22	14.82	16.97	50	-35.18
				1	14	22.09	14.69	16.84	50	-35.31
				8	4	21.17	13.77	15.92	50	-36.23
				15	0	21.23	13.83	15.98	50	-36.17
	26775	822.5	16QAM	1	0	22.14	14.74	16.89	50	-35.26
				1	14	22.26	14.86	17.01	50	-35.14
				8	4	21.25	13.85	16.00	50	-36.15
				15	0	21.07	13.67	15.82	50	-36.33
3	26705	815.5	64QAM	1	0	21.19	13.79	15.94	50	-36.21
				1	14	21.19	13.79	15.94	50	-36.21
				8	4	20.20	12.80	14.95	50	-37.20
				15	0	20.14	12.74	14.89	50	-37.26
	26740	819	64QAM	1	0	21.20	13.80	15.95	50	-36.20
				1	14	21.14	13.74	15.89	50	-36.26
				8	4	20.23	12.83	14.98	50	-37.17
				15	0	20.12	12.72	14.87	50	-37.28
	26775	822.5	64QAM	1	0	21.11	13.71	15.86	50	-36.29
				1	14	21.18	13.78	15.93	50	-36.22
				8	4	20.27	12.87	15.02	50	-37.13
				15	0	20.07	12.67	14.82	50	-37.33
3	26705	815.5	256QAM	1	0	18.32	10.92	13.07	50	-39.08
				1	14	18.35	10.95	13.10	50	-39.05
				8	4	18.34	10.94	13.09	50	-39.06
				15	0	18.30	10.90	13.05	50	-39.10
	26740	819	256QAM	1	0	18.28	10.88	13.03	50	-39.12
				1	14	18.19	10.79	12.94	50	-39.21
				8	4	18.24	10.84	12.99	50	-39.16
				15	0	18.26	10.86	13.01	50	-39.14
	26775	822.5	256QAM	1	0	18.32	10.92	13.07	50	-39.08
				1	14	18.25	10.85	13.00	50	-39.15
				8	4	18.29	10.89	13.04	50	-39.11
				15	0	18.20	10.80	12.95	50	-39.20

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Antenna gain (dBi)		-5.25								
Part 90S_LTE Band 26_Uplink frequency band : 814 to 824 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	26715	816.5	QPSK	1	0	23.17	15.77	17.92	50	-34.23
				1	24	23.13	15.73	17.88	50	-34.27
				12	6	22.27	14.87	17.02	50	-35.13
				25	0	22.17	14.77	16.92	50	-35.23
	26740	819	QPSK	1	0	23.13	15.73	17.88	50	-34.27
				1	24	23.05	15.65	17.80	50	-34.35
				12	6	22.31	14.91	17.06	50	-35.09
				25	0	22.18	14.78	16.93	50	-35.22
	26765	821.5	QPSK	1	0	22.94	15.54	17.69	50	-34.46
				1	24	23.07	15.67	17.82	50	-34.33
				12	6	22.19	14.79	16.94	50	-35.21
				25	0	22.11	14.71	16.86	50	-35.29
5	26715	816.5	16QAM	1	0	22.17	14.77	16.92	50	-35.23
				1	24	22.26	14.86	17.01	50	-35.14
				12	6	21.06	13.66	15.81	50	-36.34
				25	0	21.10	13.70	15.85	50	-36.30
	26740	819	16QAM	1	0	22.28	14.88	17.03	50	-35.12
				1	24	22.14	14.74	16.89	50	-35.26
				12	6	21.18	13.78	15.93	50	-36.22
				25	0	21.05	13.65	15.80	50	-36.35
	26765	821.5	16QAM	1	0	22.12	14.72	16.87	50	-35.28
				1	24	22.23	14.83	16.98	50	-35.17
				12	6	21.00	13.60	15.75	50	-36.40
				25	0	21.02	13.62	15.77	50	-36.38
5	26715	816.5	64QAM	1	0	21.17	13.77	15.92	50	-36.23
				1	24	21.10	13.70	15.85	50	-36.30
				12	6	20.12	12.72	14.87	50	-37.28
				25	0	20.15	12.75	14.90	50	-37.25
	26740	819	64QAM	1	0	21.19	13.79	15.94	50	-36.21
				1	24	21.04	13.64	15.79	50	-36.36
				12	6	20.23	12.83	14.98	50	-37.17
				25	0	20.08	12.68	14.83	50	-37.32
	26765	821.5	64QAM	1	0	21.07	13.67	15.82	50	-36.33
				1	24	21.23	13.83	15.98	50	-36.17
				12	6	20.15	12.75	14.90	50	-37.25
				25	0	20.04	12.64	14.79	50	-37.36
5	26715	816.5	256QAM	1	0	18.35	10.95	13.10	50	-39.05
				1	24	18.41	11.01	13.16	50	-38.99
				12	6	18.34	10.94	13.09	50	-39.06
				25	0	18.24	10.84	12.99	50	-39.16
	26740	819	256QAM	1	0	18.30	10.90	13.05	50	-39.10
				1	24	18.25	10.85	13.00	50	-39.15
				12	6	18.23	10.83	12.98	50	-39.17
				25	0	18.31	10.91	13.06	50	-39.09
	26765	821.5	256QAM	1	0	18.37	10.97	13.12	50	-39.03
				1	24	18.26	10.86	13.01	50	-39.14
				12	6	18.20	10.80	12.95	50	-39.20
				25	0	18.19	10.79	12.94	50	-39.21

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Antenna gain (dBi)		-5.25								
Part 90S_LTE Band 26_Uplink frequency band : 814 to 824 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	26740	819	QPSK	1	0	23.08	15.68	17.83	50	-34.32
				1	49	22.97	15.57	17.72	50	-34.43
				25	12	21.85	14.45	16.60	50	-35.55
				50	0	21.92	14.52	16.67	50	-35.48
10	26740	819	16QAM	1	0	22.10	14.70	16.85	50	-35.30
				1	49	22.05	14.65	16.80	50	-35.35
				25	12	21.15	13.75	15.90	50	-36.25
				50	0	21.20	13.80	15.95	50	-36.20
10	26740	819	64QAM	1	0	21.16	13.76	15.91	50	-36.24
				1	49	21.05	13.65	15.80	50	-36.35
				25	12	20.26	12.86	15.01	50	-37.14
				50	0	19.85	12.45	14.60	50	-37.55
10	26740	819	256QAM	1	0	18.21	10.81	12.96	50	-39.19
				1	49	18.17	10.77	12.92	50	-39.23
				25	12	18.24	10.84	12.99	50	-39.16
				50	0	18.33	10.93	13.08	50	-39.07

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Antenna gain (dBi)		-2.23							
LTE Band 30_Uplink frequency band : 2305 to 2315 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm/5MHz)	EIRP Average (dBm/5MHz)	EIRP Limit (dBm/5MHz)	Margin (dB)
5	27685	2307.5	QPSK	1	0	23.29	21.06	24	-2.94
				1	24	23.17	20.94	24	-3.06
				12	6	22.25	20.02	24	-3.98
				25	0	22.38	20.15	24	-3.85
	27710	2310	QPSK	1	0	23.31	21.08	24	-2.92
				1	24	23.16	20.93	24	-3.07
				12	6	22.38	20.15	24	-3.85
				25	0	22.34	20.11	24	-3.89
	27735	2312.5	QPSK	1	0	23.28	21.05	24	-2.95
				1	24	23.27	21.04	24	-2.96
				12	6	22.24	20.01	24	-3.99
				25	0	22.22	19.99	24	-4.01
5	27685	2307.5	16QAM	1	0	22.19	19.96	24	-4.04
				1	24	22.20	19.97	24	-4.03
				12	6	21.28	19.05	24	-4.95
				25	0	21.37	19.14	24	-4.86
	27710	2310	16QAM	1	0	22.32	20.09	24	-3.91
				1	24	22.28	20.05	24	-3.95
				12	6	21.30	19.07	24	-4.93
				25	0	21.27	19.04	24	-4.96
	27735	2312.5	16QAM	1	0	22.38	20.15	24	-3.85
				1	24	22.16	19.93	24	-4.07
				12	6	21.27	19.04	24	-4.96
				25	0	21.18	18.95	24	-5.05
5	27685	2307.5	64QAM	1	0	21.35	19.12	24	-4.88
				1	24	21.28	19.05	24	-4.95
				12	6	20.25	18.02	24	-5.98
				25	0	20.27	18.04	24	-5.96
	27710	2310	64QAM	1	0	21.38	19.15	24	-4.85
				1	24	21.33	19.10	24	-4.9
				12	6	20.23	18.00	24	-6
				25	0	20.17	17.94	24	-6.06
	27735	2312.5	64QAM	1	0	21.26	19.03	24	-4.97
				1	24	21.16	18.93	24	-5.07
				12	6	20.27	18.04	24	-5.96
				25	0	20.26	18.03	24	-5.97
5	27685	2307.5	256QAM	1	0	18.57	16.34	24	-7.66
				1	24	18.46	16.23	24	-7.77
				12	6	18.52	16.29	24	-7.71
				25	0	18.38	16.15	24	-7.85
	27710	2310	256QAM	1	0	18.52	16.29	24	-7.71
				1	24	18.47	16.24	24	-7.76
				12	6	18.40	16.17	24	-7.83
				25	0	18.36	16.13	24	-7.87
	27735	2312.5	256QAM	1	0	18.50	16.27	24	-7.73
				1	24	18.45	16.22	24	-7.78
				12	6	18.53	16.30	24	-7.7
				25	0	18.44	16.21	24	-7.79

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Antenna gain (dBi)		-2.23							
LTE Band 30_Uplink frequency band : 2305 to 2315 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm/5MHz)	EIRP Average (dBm/5MHz)	EIRP Limit (dBm/5MHz)	Margin (dB)
10	27710	2310	QPSK	1	0	23.43	21.20	24.00	-2.80
				1	49	23.33	21.10	24.00	-2.90
				25	12	22.28	20.05	24.00	-3.95
				50	0	22.26	20.03	24.00	-3.97
10	27710	2310	16QAM	1	0	22.25	20.02	24.00	-3.98
				1	49	22.22	19.99	24.00	-4.01
				25	12	21.31	19.08	24.00	-4.92
				50	0	21.24	19.01	24.00	-4.99
10	27710	2310	64QAM	1	0	21.32	19.09	24.00	-4.91
				1	49	21.27	19.04	24.00	-4.96
				25	12	20.36	18.13	24.00	-5.87
				50	0	20.25	18.02	24.00	-5.98
10	27710	2310	256QAM	1	0	18.49	16.26	24.00	-7.74
				1	49	18.57	16.34	24.00	-7.66
				25	12	18.44	16.21	24.00	-7.79
				50	0	18.45	16.22	24.00	-7.78

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Antenna gain (dBi)		-1.11							
LTE Band 38_Uplink frequency band : 2570 to 2620 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
5	37775	2572.5	QPSK	1	0	23.11	22.00	33	-11
				1	24	23.08	21.97	33	-11.03
				12	6	22.16	21.05	33	-11.95
				25	0	22.12	21.01	33	-11.99
	38000	2595	QPSK	1	0	23.30	22.19	33	-10.81
				1	24	23.44	22.33	33	-10.67
				12	6	22.41	21.30	33	-11.7
				25	0	22.37	21.26	33	-11.74
	38225	2617.5	QPSK	1	0	23.41	22.30	33	-10.7
				1	24	23.35	22.24	33	-10.76
				12	6	22.56	21.45	33	-11.55
				25	0	22.37	21.26	33	-11.74
5	37775	2572.5	16QAM	1	0	22.20	21.09	33	-11.91
				1	24	22.10	20.99	33	-12.01
				12	6	21.09	19.98	33	-13.02
				25	0	21.07	19.96	33	-13.04
	38000	2595	16QAM	1	0	22.46	21.35	33	-11.65
				1	24	22.46	21.35	33	-11.65
				12	6	21.39	20.28	33	-12.72
				25	0	21.46	20.35	33	-12.65
	38225	2617.5	16QAM	1	0	22.49	21.38	33	-11.62
				1	24	22.48	21.37	33	-11.63
				12	6	21.57	20.46	33	-12.54
				25	0	21.47	20.36	33	-12.64
5	37775	2572.5	64QAM	1	0	21.23	20.12	33	-12.88
				1	24	21.16	20.05	33	-12.95
				12	6	20.21	19.10	33	-13.9
				25	0	20.15	19.04	33	-13.96
	38000	2595	64QAM	1	0	21.31	20.20	33	-12.8
				1	24	21.40	20.29	33	-12.71
				12	6	20.47	19.36	33	-13.64
				25	0	20.38	19.27	33	-13.73
	38225	2617.5	64QAM	1	0	21.42	20.31	33	-12.69
				1	24	21.45	20.34	33	-12.66
				12	6	20.36	19.25	33	-13.75
				25	0	20.51	19.40	33	-13.6
5	37775	2572.5	256QAM	1	0	18.22	17.11	33	-15.89
				1	24	18.30	17.19	33	-15.81
				12	6	18.30	17.19	33	-15.81
				25	0	18.22	17.11	33	-15.89
	38000	2595	256QAM	1	0	18.38	17.27	33	-15.73
				1	24	18.50	17.39	33	-15.61
				12	6	18.53	17.42	33	-15.58
				25	0	18.51	17.40	33	-15.6
	38225	2617.5	256QAM	1	0	18.44	17.33	33	-15.67
				1	24	18.50	17.39	33	-15.61
				12	6	18.55	17.44	33	-15.56
				25	0	18.46	17.35	33	-15.65

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Antenna gain (dBi)		-1.11							
LTE Band 38_Uplink frequency band : 2570 to 2620 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10	37800	2575	QPSK	1	0	23.26	22.15	33	-10.85
				1	49	23.13	22.02	33	-10.98
				25	12	22.25	21.14	33	-11.86
				50	0	22.24	21.13	33	-11.87
	38000	2595	QPSK	1	0	23.45	22.34	33	-10.66
				1	49	23.40	22.29	33	-10.71
				25	12	22.30	21.19	33	-11.81
				50	0	22.51	21.40	33	-11.6
	38200	2615	QPSK	1	0	23.39	22.28	33	-10.72
				1	49	23.58	22.47	33	-10.53
				25	12	22.43	21.32	33	-11.68
				50	0	22.42	21.31	33	-11.69
10	37800	2575	16QAM	1	0	22.26	21.15	33	-11.85
				1	49	22.10	20.99	33	-12.01
				25	12	21.17	20.06	33	-12.94
				50	0	21.26	20.15	33	-12.85
	38000	2595	16QAM	1	0	22.37	21.26	33	-11.74
				1	49	22.44	21.33	33	-11.67
				25	12	21.37	20.26	33	-12.74
				50	0	21.47	20.36	33	-12.64
	38200	2615	16QAM	1	0	22.53	21.42	33	-11.58
				1	49	22.39	21.28	33	-11.72
				25	12	21.43	20.32	33	-12.68
				50	0	21.41	20.30	33	-12.7
10	37800	2575	64QAM	1	0	21.15	20.04	33	-12.96
				1	49	21.20	20.09	33	-12.91
				25	12	20.26	19.15	33	-13.85
				50	0	20.27	19.16	33	-13.84
	38000	2595	64QAM	1	0	21.36	20.25	33	-12.75
				1	49	21.38	20.27	33	-12.73
				25	12	20.38	19.27	33	-13.73
				50	0	20.45	19.34	33	-13.66
	38200	2615	64QAM	1	0	21.37	20.26	33	-12.74
				1	49	21.44	20.33	33	-12.67
				25	12	20.42	19.31	33	-13.69
				50	0	20.49	19.38	33	-13.62
10	37800	2575	256QAM	1	0	18.12	17.01	33	-15.99
				1	49	18.26	17.15	33	-15.85
				25	12	18.17	17.06	33	-15.94
				50	0	18.26	17.15	33	-15.85
	38000	2595	256QAM	1	0	18.48	17.37	33	-15.63
				1	49	18.49	17.38	33	-15.62
				25	12	18.43	17.32	33	-15.68
				50	0	18.46	17.35	33	-15.65
	38200	2615	256QAM	1	0	18.51	17.40	33	-15.6
				1	49	18.59	17.48	33	-15.52
				25	12	18.57	17.46	33	-15.54
				50	0	18.56	17.45	33	-15.55

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Antenna gain (dBi)		-1.11							
LTE Band 38_Uplink frequency band : 2570 to 2620 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
15	37825	2577.5	QPSK	1	0	23.25	22.14	33	-10.86
				1	74	23.22	22.11	33	-10.89
				36	19	22.26	21.15	33	-11.85
				75	0	22.14	21.03	33	-11.97
	38000	2595	QPSK	1	0	23.31	22.20	33	-10.8
				1	74	23.41	22.30	33	-10.7
				36	19	22.27	21.16	33	-11.84
				75	0	22.34	21.23	33	-11.77
	38175	2612.5	QPSK	1	0	23.53	22.42	33	-10.58
				1	74	23.53	22.42	33	-10.58
				36	19	22.52	21.41	33	-11.59
				75	0	22.52	21.41	33	-11.59
15	37825	2577.5	16QAM	1	0	22.13	21.02	33	-11.98
				1	74	22.15	21.04	33	-11.96
				36	19	21.09	19.98	33	-13.02
				75	0	21.16	20.05	33	-12.95
	38000	2595	16QAM	1	0	22.39	21.28	33	-11.72
				1	74	22.40	21.29	33	-11.71
				36	19	21.41	20.30	33	-12.7
				75	0	21.34	20.23	33	-12.77
	38175	2612.5	16QAM	1	0	22.55	21.44	33	-11.56
				1	74	22.46	21.35	33	-11.65
				36	19	21.47	20.36	33	-12.64
				75	0	21.37	20.26	33	-12.74
15	37825	2577.5	64QAM	1	0	21.16	20.05	33	-12.95
				1	74	21.15	20.04	33	-12.96
				36	19	20.26	19.15	33	-13.85
				75	0	20.15	19.04	33	-13.96
	38000	2595	64QAM	1	0	21.39	20.28	33	-12.72
				1	74	21.46	20.35	33	-12.65
				36	19	20.42	19.31	33	-13.69
				75	0	20.38	19.27	33	-13.73
	38175	2612.5	64QAM	1	0	21.54	20.43	33	-12.57
				1	74	21.51	20.40	33	-12.6
				36	19	20.49	19.38	33	-13.62
				75	0	20.50	19.39	33	-13.61
15	37825	2577.5	256QAM	1	0	18.29	17.18	33	-15.82
				1	74	18.29	17.18	33	-15.82
				36	19	18.29	17.18	33	-15.82
				75	0	18.17	17.06	33	-15.94
	38000	2595	256QAM	1	0	18.45	17.34	33	-15.66
				1	74	18.36	17.25	33	-15.75
				36	19	18.47	17.36	33	-15.64
				75	0	18.44	17.33	33	-15.67
	38175	2612.5	256QAM	1	0	18.61	17.50	33	-15.5
				1	74	18.45	17.34	33	-15.66
				36	19	18.44	17.33	33	-15.67
				75	0	18.49	17.38	33	-15.62

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Antenna gain (dBi)		-1.11							
LTE Band 38_Uplink frequency band : 2570 to 2620 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
20	37850	2580	QPSK	1	0	23.31	22.20	33	-10.8
				1	99	23.12	22.01	33	-10.99
				50	25	22.15	21.04	33	-11.96
				100	0	22.29	21.18	33	-11.82
	38000	2595	QPSK	1	0	23.55	22.44	33	-10.56
				1	99	23.33	22.22	33	-10.78
				50	25	22.40	21.29	33	-11.71
				100	0	22.37	21.26	33	-11.74
	38150	2610	QPSK	1	0	23.62	22.51	33	-10.49
				1	99	23.41	22.30	33	-10.7
				50	25	22.44	21.33	33	-11.67
				100	0	22.37	21.26	33	-11.74
20	37850	2580	16QAM	1	0	22.04	20.93	33	-12.07
				1	99	22.06	20.95	33	-12.05
				50	25	21.13	20.02	33	-12.98
				100	0	21.13	20.02	33	-12.98
	38000	2595	16QAM	1	0	22.37	21.26	33	-11.74
				1	99	22.40	21.29	33	-11.71
				50	25	21.30	20.19	33	-12.81
				100	0	21.41	20.30	33	-12.7
	38150	2610	16QAM	1	0	22.54	21.43	33	-11.57
				1	99	22.36	21.25	33	-11.75
				50	25	21.40	20.29	33	-12.71
				100	0	21.46	20.35	33	-12.65
20	37850	2580	64QAM	1	0	21.16	20.05	33	-12.95
				1	99	21.21	20.10	33	-12.9
				50	25	20.24	19.13	33	-13.87
				100	0	20.17	19.06	33	-13.94
	38000	2595	64QAM	1	0	21.42	20.31	33	-12.69
				1	99	21.40	20.29	33	-12.71
				50	25	20.48	19.37	33	-13.63
				100	0	20.44	19.33	33	-13.67
	38150	2610	64QAM	1	0	21.39	20.28	33	-12.72
				1	99	21.38	20.27	33	-12.73
				50	25	20.44	19.33	33	-13.67
				100	0	20.45	19.34	33	-13.66
20	37850	2580	256QAM	1	0	18.12	17.01	33	-15.99
				1	99	18.29	17.18	33	-15.82
				50	25	18.23	17.12	33	-15.88
				100	0	18.29	17.18	33	-15.82
	38000	2595	256QAM	1	0	18.41	17.30	33	-15.7
				1	99	18.47	17.36	33	-15.64
				50	25	18.42	17.31	33	-15.69
				100	0	18.45	17.34	33	-15.66
	38150	2610	256QAM	1	0	18.60	17.49	33	-15.51
				1	99	18.44	17.33	33	-15.67
				50	25	18.53	17.42	33	-15.58
				100	0	18.43	17.32	33	-15.68

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Antenna gain (dBi)		-0.35							
LTE Band 41_Uplink frequency band : 2496 to 2690 MHz									
LTE Band 41_RS199_Uplink frequency band : 2500 to 2690 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
5	39675	2498.5	QPSK	1	0	23.28	22.93	33	-10.07
				1	24	23.24	22.89	33	-10.11
				12	6	22.27	21.92	33	-11.08
				25	0	22.22	21.87	33	-11.13
	40620	2593	QPSK	1	0	23.37	23.02	33	-9.98
				1	24	23.43	23.08	33	-9.92
				12	6	22.35	22.00	33	-11
				25	0	22.44	22.09	33	-10.91
	41565	2687.5	QPSK	1	0	23.43	23.08	33	-9.92
				1	24	23.35	23.00	33	-10
				12	6	22.36	22.01	33	-10.99
				25	0	22.39	22.04	33	-10.96
5	39675	2498.5	16QAM	1	0	22.38	22.03	33	-10.97
				1	24	22.28	21.93	33	-11.07
				12	6	21.40	21.05	33	-11.95
				25	0	21.34	20.99	33	-12.01
	40620	2593	16QAM	1	0	22.29	21.94	33	-11.06
				1	24	22.28	21.93	33	-11.07
				12	6	21.42	21.07	33	-11.93
				25	0	21.41	21.06	33	-11.94
	41565	2687.5	16QAM	1	0	22.44	22.09	33	-10.91
				1	24	22.40	22.05	33	-10.95
				12	6	21.32	20.97	33	-12.03
				25	0	21.38	21.03	33	-11.97
5	39675	2498.5	64QAM	1	0	21.29	20.94	33	-12.06
				1	24	21.28	20.93	33	-12.07
				12	6	20.38	20.03	33	-12.97
				25	0	20.37	20.02	33	-12.98
	40620	2593	64QAM	1	0	21.47	21.12	33	-11.88
				1	24	21.26	20.91	33	-12.09
				12	6	20.40	20.05	33	-12.95
				25	0	20.32	19.97	33	-13.03
	41565	2687.5	64QAM	1	0	21.36	21.01	33	-11.99
				1	24	21.36	21.01	33	-11.99
				12	6	20.40	20.05	33	-12.95
				25	0	20.37	20.02	33	-12.98
5	39675	2498.5	256QAM	1	0	18.25	17.90	33	-15.1
				1	24	18.15	17.80	33	-15.2
				12	6	18.29	17.94	33	-15.06
				25	0	18.16	17.81	33	-15.19
	40620	2593	256QAM	1	0	18.23	17.88	33	-15.12
				1	24	18.27	17.92	33	-15.08
				12	6	18.36	18.01	33	-14.99
				25	0	18.40	18.05	33	-14.95
	41565	2687.5	256QAM	1	0	18.40	18.05	33	-14.95
				1	24	18.35	18.00	33	-15
				12	6	18.32	17.97	33	-15.03
				25	0	18.26	17.91	33	-15.09

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Antenna gain (dBi)		-0.35							
LTE Band 41_Uplink frequency band : 2496 to 2690 MHz LTE Band 41_RS199_Uplink frequency band : 2500 to 2690 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10	39700	2501	QPSK	1	0	23.29	22.94	33	-10.06
				1	49	23.21	22.86	33	-10.14
				25	12	22.34	21.99	33	-11.01
				50	0	22.27	21.92	33	-11.08
	40620	2593	QPSK	1	0	23.48	23.13	33	-9.87
				1	49	23.31	22.96	33	-10.04
				25	12	22.33	21.98	33	-11.02
				50	0	22.31	21.96	33	-11.04
	41540	2685	QPSK	1	0	23.34	22.99	33	-10.01
				1	49	23.38	23.03	33	-9.97
				25	12	22.34	21.99	33	-11.01
				50	0	22.28	21.93	33	-11.07
10	39700	2501	16QAM	1	0	22.22	21.87	33	-11.13
				1	49	22.27	21.92	33	-11.08
				25	12	21.23	20.88	33	-12.12
				50	0	21.30	20.95	33	-12.05
	40620	2593	16QAM	1	0	22.41	22.06	33	-10.94
				1	49	22.51	22.16	33	-10.84
				25	12	21.42	21.07	33	-11.93
				50	0	21.37	21.02	33	-11.98
	41540	2685	16QAM	1	0	22.42	22.07	33	-10.93
				1	49	22.42	22.07	33	-10.93
				25	12	21.26	20.91	33	-12.09
				50	0	21.46	21.11	33	-11.89
10	39700	2501	64QAM	1	0	21.24	20.89	33	-12.11
				1	49	21.33	20.98	33	-12.02
				25	12	20.30	19.95	33	-13.05
				50	0	20.26	19.91	33	-13.09
	40620	2593	64QAM	1	0	21.27	20.92	33	-12.08
				1	49	21.29	20.94	33	-12.06
				25	12	20.50	20.15	33	-12.85
				50	0	20.38	20.03	33	-12.97
	41540	2685	64QAM	1	0	21.31	20.96	33	-12.04
				1	49	21.41	21.06	33	-11.94
				25	12	20.44	20.09	33	-12.91
				50	0	20.47	20.12	33	-12.88
10	39700	2501	256QAM	1	0	18.28	17.93	33	-15.07
				1	49	18.23	17.88	33	-15.12
				25	12	18.12	17.77	33	-15.23
				50	0	18.15	17.80	33	-15.2
	40620	2593	256QAM	1	0	18.37	18.02	33	-14.98
				1	49	18.28	17.93	33	-15.07
				25	12	18.36	18.01	33	-14.99
				50	0	18.37	18.02	33	-14.98
	41540	2685	256QAM	1	0	18.36	18.01	33	-14.99
				1	49	18.21	17.86	33	-15.14
				25	12	18.21	17.86	33	-15.14
				50	0	18.28	17.93	33	-15.07

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Antenna gain (dBi)		-0.35							
LTE Band 41_Uplink frequency band : 2496 to 2690 MHz									
LTE Band 41_RS199_Uplink frequency band : 2500 to 2690 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
15	39725	2503.5	QPSK	1	0	23.41	23.06	33	-9.94
				1	74	23.31	22.96	33	-10.04
				36	18	22.28	21.93	33	-11.07
				75	0	22.22	21.87	33	-11.13
	40620	2593	QPSK	1	0	23.32	22.97	33	-10.03
				1	74	23.44	23.09	33	-9.91
				36	18	22.44	22.09	33	-10.91
				75	0	22.37	22.02	33	-10.98
	41515	2682.5	QPSK	1	0	23.31	22.96	33	-10.04
				1	74	23.38	23.03	33	-9.97
				36	18	22.28	21.93	33	-11.07
				75	0	22.36	22.01	33	-10.99
15	39725	2503.5	16QAM	1	0	22.26	21.91	33	-11.09
				1	74	22.38	22.03	33	-10.97
				36	18	21.26	20.91	33	-12.09
				75	0	21.29	20.94	33	-12.06
	40620	2593	16QAM	1	0	22.48	22.13	33	-10.87
				1	74	22.34	21.99	33	-11.01
				36	18	21.41	21.06	33	-11.94
				75	0	21.39	21.04	33	-11.96
	41515	2682.5	16QAM	1	0	22.39	22.04	33	-10.96
				1	74	22.32	21.97	33	-11.03
				36	18	21.36	21.01	33	-11.99
				75	0	21.38	21.03	33	-11.97
15	39725	2503.5	64QAM	1	0	21.33	20.98	33	-12.02
				1	74	21.32	20.97	33	-12.03
				36	18	20.31	19.96	33	-13.04
				75	0	20.35	20.00	33	-13
	40620	2593	64QAM	1	0	21.47	21.12	33	-11.88
				1	74	21.42	21.07	33	-11.93
				36	18	20.37	20.02	33	-12.98
				75	0	20.40	20.05	33	-12.95
	41515	2682.5	64QAM	1	0	21.37	21.02	33	-11.98
				1	74	21.39	21.04	33	-11.96
				36	18	20.41	20.06	33	-12.94
				75	0	20.33	19.98	33	-13.02
15	39725	2503.5	256QAM	1	0	18.29	17.94	33	-15.06
				1	74	18.23	17.88	33	-15.12
				36	18	18.14	17.79	33	-15.21
				75	0	18.29	17.94	33	-15.06
	40620	2593	256QAM	1	0	18.33	17.98	33	-15.02
				1	74	18.26	17.91	33	-15.09
				36	18	18.21	17.86	33	-15.14
				75	0	18.35	18.00	33	-15
	41515	2682.5	256QAM	1	0	18.28	17.93	33	-15.07
				1	74	18.36	18.01	33	-14.99
				36	18	18.39	18.04	33	-14.96
				75	0	18.32	17.97	33	-15.03

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Antenna gain (dBi)		-0.35							
LTE Band 41_Uplink frequency band : 2496 to 2690 MHz LTE Band 41_RS199_Uplink frequency band : 2500 to 2690 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
20	39750	2506	QPSK	1	0	23.47	23.12	33	-9.88
				1	99	23.35	23.00	33	-10
				50	25	22.33	21.98	33	-11.02
				100	0	22.31	21.96	33	-11.04
	40620	2593	QPSK	1	0	23.55	23.20	33	-9.8
				1	99	23.30	22.95	33	-10.05
				50	25	22.34	21.99	33	-11.01
				100	0	22.31	21.96	33	-11.04
	41490	2680	QPSK	1	0	22.52	22.17	33	-10.83
				1	99	23.39	23.04	33	-9.96
				50	25	22.29	21.94	33	-11.06
				100	0	22.41	22.06	33	-10.94
20	39750	2506	16QAM	1	0	22.35	22.00	33	-11
				1	99	22.40	22.05	33	-10.95
				50	25	21.34	20.99	33	-12.01
				100	0	21.36	21.01	33	-11.99
	40620	2593	16QAM	1	0	22.35	22.00	33	-11
				1	99	22.48	22.13	33	-10.87
				50	25	21.47	21.12	33	-11.88
				100	0	21.36	21.01	33	-11.99
	41490	2680	16QAM	1	0	22.30	21.95	33	-11.05
				1	99	22.38	22.03	33	-10.97
				50	25	21.36	21.01	33	-11.99
				100	0	21.27	20.92	33	-12.08
20	39750	2506	64QAM	1	0	21.21	20.86	33	-12.14
				1	99	21.34	20.99	33	-12.01
				50	25	20.19	19.84	33	-13.16
				100	0	20.27	19.92	33	-13.08
	40620	2593	64QAM	1	0	21.34	20.99	33	-12.01
				1	99	21.43	21.08	33	-11.92
				50	25	20.33	19.98	33	-13.02
				100	0	20.41	20.06	33	-12.94
	41490	2680	64QAM	1	0	21.43	21.08	33	-11.92
				1	99	21.31	20.96	33	-12.04
				50	25	20.27	19.92	33	-13.08
				100	0	20.48	20.13	33	-12.87
20	39750	2506	256QAM	1	0	18.30	17.95	33	-15.05
				1	99	18.18	17.83	33	-15.17
				50	25	18.27	17.92	33	-15.08
				100	0	18.27	17.92	33	-15.08
	40620	2593	256QAM	1	0	18.29	17.94	33	-15.06
				1	99	18.30	17.95	33	-15.05
				50	25	18.39	18.04	33	-14.96
				100	0	18.40	18.05	33	-14.95
	41490	2680	256QAM	1	0	18.28	17.93	33	-15.07
				1	99	18.31	17.96	33	-15.04
				50	25	18.33	17.98	33	-15.02
				100	0	18.35	18.00	33	-15

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Antenna gain (dBi)		-2.74							
LTE Band 66_Uplink frequency band : 1710 to 1780 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
1.4	131979	1710.7	QPSK	1	0	23.08	20.34	30	-9.66
				1	5	22.95	20.21	30	-9.79
				3	2	22.96	20.22	30	-9.78
				6	0	21.97	19.23	30	-10.77
	132322	1745	QPSK	1	0	23.01	20.27	30	-9.73
				1	5	22.81	20.07	30	-9.93
				3	2	22.89	20.15	30	-9.85
				6	0	21.90	19.16	30	-10.84
	132665	1779.3	QPSK	1	0	22.78	20.04	30	-9.96
				1	5	22.71	19.97	30	-10.03
				3	2	22.77	20.03	30	-9.97
				6	0	21.89	19.15	30	-10.85
1.4	131979	1710.7	16QAM	1	0	21.99	19.25	30	-10.75
				1	5	21.86	19.12	30	-10.88
				3	2	22.09	19.35	30	-10.65
				6	0	20.87	18.13	30	-11.87
	132322	1745	16QAM	1	0	21.93	19.19	30	-10.81
				1	5	21.82	19.08	30	-10.92
				3	2	21.84	19.10	30	-10.9
				6	0	20.92	18.18	30	-11.82
	132665	1779.3	16QAM	1	0	21.67	18.93	30	-11.07
				1	5	21.71	18.97	30	-11.03
				3	2	21.84	19.10	30	-10.9
				6	0	20.75	18.01	30	-11.99
1.4	131979	1710.7	64QAM	1	0	21.07	18.33	30	-11.67
				1	5	20.93	18.19	30	-11.81
				3	2	21.03	18.29	30	-11.71
				6	0	20.04	17.30	30	-12.7
	132322	1745	64QAM	1	0	20.91	18.17	30	-11.83
				1	5	20.87	18.13	30	-11.87
				3	2	20.87	18.13	30	-11.87
				6	0	20.02	17.28	30	-12.72
	132665	1779.3	64QAM	1	0	20.81	18.07	30	-11.93
				1	5	20.86	18.12	30	-11.88
				3	2	20.75	18.01	30	-11.99
				6	0	19.85	17.11	30	-12.89
1.4	131979	1710.7	256QAM	1	0	18.22	15.48	30	-14.52
				1	5	18.10	15.36	30	-14.64
				3	2	18.10	15.36	30	-14.64
				6	0	18.19	15.45	30	-14.55
	132322	1745	256QAM	1	0	18.06	15.32	30	-14.68
				1	5	18.03	15.29	30	-14.71
				3	2	18.17	15.43	30	-14.57
				6	0	18.15	15.41	30	-14.59
	132665	1779.3	256QAM	1	0	17.99	15.25	30	-14.75
				1	5	17.99	15.25	30	-14.75
				3	2	17.97	15.23	30	-14.77
				6	0	17.95	15.21	30	-14.79

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Antenna gain (dBi)		-2.74							
LTE Band 66_Uplink frequency band : 1710 to 1780 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
3	131987	1711.5	QPSK	1	0	22.92	20.18	30	-9.82
				1	14	22.92	20.18	30	-9.82
				8	4	21.99	19.25	30	-10.75
				15	0	22.07	19.33	30	-10.67
	132322	1745	QPSK	1	0	22.85	20.11	30	-9.89
				1	14	22.92	20.18	30	-9.82
				8	4	21.90	19.16	30	-10.84
				15	0	21.80	19.06	30	-10.94
	132657	1778.5	QPSK	1	0	22.90	20.16	30	-9.84
				1	14	22.81	20.07	30	-9.93
				8	4	21.71	18.97	30	-11.03
				15	0	21.77	19.03	30	-10.97
3	131987	1711.5	16QAM	1	0	22.07	19.33	30	-10.67
				1	14	21.92	19.18	30	-10.82
				8	4	20.97	18.23	30	-11.77
				15	0	21.07	18.33	30	-11.67
	132322	1745	16QAM	1	0	21.90	19.16	30	-10.84
				1	14	21.93	19.19	30	-10.81
				8	4	20.95	18.21	30	-11.79
				15	0	20.91	18.17	30	-11.83
	132657	1778.5	16QAM	1	0	21.79	19.05	30	-10.95
				1	14	21.74	19.00	30	-11
				8	4	20.80	18.06	30	-11.94
				15	0	20.78	18.04	30	-11.96
3	131987	1711.5	64QAM	1	0	21.03	18.29	30	-11.71
				1	14	20.91	18.17	30	-11.83
				8	4	19.88	17.14	30	-12.86
				15	0	19.99	17.25	30	-12.75
	132322	1745	64QAM	1	0	20.89	18.15	30	-11.85
				1	14	20.84	18.10	30	-11.9
				8	4	19.81	17.07	30	-12.93
				15	0	19.90	17.16	30	-12.84
	132657	1778.5	64QAM	1	0	20.77	18.03	30	-11.97
				1	14	20.70	17.96	30	-12.04
				8	4	19.83	17.09	30	-12.91
				15	0	19.74	17.00	30	-13
3	131987	1711.5	256QAM	1	0	18.14	15.40	30	-14.6
				1	14	18.22	15.48	30	-14.52
				8	4	18.16	15.42	30	-14.58
				15	0	18.14	15.40	30	-14.6
	132322	1745	256QAM	1	0	18.14	15.40	30	-14.6
				1	14	18.13	15.39	30	-14.61
				8	4	18.06	15.32	30	-14.68
				15	0	18.06	15.32	30	-14.68
	132657	1778.5	256QAM	1	0	18.06	15.32	30	-14.68
				1	14	17.97	15.23	30	-14.77
				8	4	18.02	15.28	30	-14.72
				15	0	18.00	15.26	30	-14.74

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BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
5	131997	1712.5	QPSK	1	0	23.06	20.32	30	-9.68
				1	24	22.89	20.15	30	-9.85
				12	6	22.00	19.26	30	-10.74
				25	0	21.94	19.20	30	-10.8
	132322	1745	QPSK	1	0	22.98	20.24	30	-9.76
				1	24	22.77	20.03	30	-9.97
				12	6	22.03	19.29	30	-10.71
				25	0	21.87	19.13	30	-10.87
	132647	1777.5	QPSK	1	0	22.85	20.11	30	-9.89
				1	24	22.74	20.00	30	-10
				12	6	21.77	19.03	30	-10.97
				25	0	21.78	19.04	30	-10.96
5	131997	1712.5	16QAM	1	0	21.93	19.19	30	-10.81
				1	24	21.95	19.21	30	-10.79
				12	6	21.01	18.27	30	-11.73
				25	0	20.99	18.25	30	-11.75
	132322	1745	16QAM	1	0	22.00	19.26	30	-10.74
				1	24	21.86	19.12	30	-10.88
				12	6	20.84	18.10	30	-11.9
				25	0	20.89	18.15	30	-11.85
	132647	1777.5	16QAM	1	0	21.87	19.13	30	-10.87
				1	24	21.86	19.12	30	-10.88
				12	6	20.77	18.03	30	-11.97
				25	0	20.87	18.13	30	-11.87
5	131997	1712.5	64QAM	1	0	20.92	18.18	30	-11.82
				1	24	20.94	18.20	30	-11.8
				12	6	19.93	17.19	30	-12.81
				25	0	19.93	17.19	30	-12.81
	132322	1745	64QAM	1	0	20.81	18.07	30	-11.93
				1	24	20.93	18.19	30	-11.81
				12	6	19.89	17.15	30	-12.85
				25	0	20.01	17.27	30	-12.73
	132647	1777.5	64QAM	1	0	20.84	18.10	30	-11.9
				1	24	20.70	17.96	30	-12.04
				12	6	19.70	16.96	30	-13.04
				25	0	19.75	17.01	30	-12.99
5	131997	1712.5	256QAM	1	0	18.20	15.46	30	-14.54
				1	24	18.18	15.44	30	-14.56
				12	6	18.14	15.40	30	-14.6
				25	0	18.14	15.40	30	-14.6
	132322	1745	256QAM	1	0	18.14	15.40	30	-14.6
				1	24	17.99	15.25	30	-14.75
				12	6	18.00	15.26	30	-14.74
				25	0	17.98	15.24	30	-14.76
	132647	1777.5	256QAM	1	0	18.07	15.33	30	-14.67
				1	24	18.00	15.26	30	-14.74
				12	6	17.94	15.20	30	-14.8
				25	0	17.93	15.19	30	-14.81

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Antenna gain (dBi)		-2.74							
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BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10	132022	1715	QPSK	1	0	23.03	20.29	30	-9.71
				1	49	23.04	20.30	30	-9.7
				25	12	22.00	19.26	30	-10.74
				50	0	21.89	19.15	30	-10.85
	132322	1745	QPSK	1	0	22.88	20.14	30	-9.86
				1	49	22.84	20.10	30	-9.9
				25	12	21.81	19.07	30	-10.93
				50	0	21.86	19.12	30	-10.88
	132622	1775	QPSK	1	0	22.83	20.09	30	-9.91
				1	49	22.78	20.04	30	-9.96
				25	12	21.81	19.07	30	-10.93
				50	0	21.78	19.04	30	-10.96
10	132022	1715	16QAM	1	0	22.03	19.29	30	-10.71
				1	49	22.03	19.29	30	-10.71
				25	12	20.97	18.23	30	-11.77
				50	0	21.04	18.30	30	-11.7
	132322	1745	16QAM	1	0	22.02	19.28	30	-10.72
				1	49	21.94	19.20	30	-10.8
				25	12	20.92	18.18	30	-11.82
				50	0	20.89	18.15	30	-11.85
	132622	1775	16QAM	1	0	21.88	19.14	30	-10.86
				1	49	21.83	19.09	30	-10.91
				25	12	20.71	17.97	30	-12.03
				50	0	20.93	18.19	30	-11.81
10	132022	1715	64QAM	1	0	20.93	18.19	30	-11.81
				1	49	20.88	18.14	30	-11.86
				25	12	19.97	17.23	30	-12.77
				50	0	20.01	17.27	30	-12.73
	132322	1745	64QAM	1	0	20.94	18.20	30	-11.8
				1	49	20.93	18.19	30	-11.81
				25	12	19.96	17.22	30	-12.78
				50	0	19.99	17.25	30	-12.75
	132622	1775	64QAM	1	0	20.84	18.10	30	-11.9
				1	49	20.71	17.97	30	-12.03
				25	12	19.80	17.06	30	-12.94
				50	0	19.76	17.02	30	-12.98
10	132022	1715	256QAM	1	0	18.07	15.33	30	-14.67
				1	49	18.20	15.46	30	-14.54
				25	12	18.22	15.48	30	-14.52
				50	0	18.13	15.39	30	-14.61
	132322	1745	256QAM	1	0	18.12	15.38	30	-14.62
				1	49	18.11	15.37	30	-14.63
				25	12	17.99	15.25	30	-14.75
				50	0	18.03	15.29	30	-14.71
	132622	1775	256QAM	1	0	18.04	15.30	30	-14.7
				1	49	18.08	15.34	30	-14.66
				25	12	17.92	15.18	30	-14.82
				50	0	17.93	15.19	30	-14.81

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15	132047	1717.5	QPSK	1	0	23.09	20.35	30	-9.65
				1	74	23.00	20.26	30	-9.74
				36	18	21.91	19.17	30	-10.83
				75	0	22.05	19.31	30	-10.69
	132322	1745	QPSK	1	0	22.91	20.17	30	-9.83
				1	74	22.78	20.04	30	-9.96
				36	18	21.77	19.03	30	-10.97
				75	0	21.90	19.16	30	-10.84
	132597	1772.5	QPSK	1	0	22.85	20.11	30	-9.89
				1	74	22.88	20.14	30	-9.86
				36	18	21.81	19.07	30	-10.93
				75	0	21.88	19.14	30	-10.86
15	132047	1717.5	16QAM	1	0	21.99	19.25	30	-10.75
				1	74	22.11	19.37	30	-10.63
				36	18	21.07	18.33	30	-11.67
				75	0	21.03	18.29	30	-11.71
	132322	1745	16QAM	1	0	21.82	19.08	30	-10.92
				1	74	21.87	19.13	30	-10.87
				36	18	20.92	18.18	30	-11.82
				75	0	20.92	18.18	30	-11.82
	132597	1772.5	16QAM	1	0	21.85	19.11	30	-10.89
				1	74	21.66	18.92	30	-11.08
				36	18	20.85	18.11	30	-11.89
				75	0	20.78	18.04	30	-11.96
15	132047	1717.5	64QAM	1	0	20.98	18.24	30	-11.76
				1	74	21.09	18.35	30	-11.65
				36	18	19.97	17.23	30	-12.77
				75	0	20.01	17.27	30	-12.73
	132322	1745	64QAM	1	0	20.87	18.13	30	-11.87
				1	74	21.03	18.29	30	-11.71
				36	18	19.88	17.14	30	-12.86
				75	0	19.90	17.16	30	-12.84
	132597	1772.5	64QAM	1	0	20.89	18.15	30	-11.85
				1	74	20.75	18.01	30	-11.99
				36	18	19.78	17.04	30	-12.96
				75	0	19.86	17.12	30	-12.88
15	132047	1717.5	256QAM	1	0	18.21	15.47	30	-14.53
				1	74	18.12	15.38	30	-14.62
				36	18	18.12	15.38	30	-14.62
				75	0	18.18	15.44	30	-14.56
	132322	1745	256QAM	1	0	18.03	15.29	30	-14.71
				1	74	18.11	15.37	30	-14.63
				36	18	18.05	15.31	30	-14.69
				75	0	18.08	15.34	30	-14.66
	132597	1772.5	256QAM	1	0	18.06	15.32	30	-14.68
				1	74	17.93	15.19	30	-14.81
				36	18	17.86	15.12	30	-14.88
				75	0	18.07	15.33	30	-14.67

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Antenna gain (dBi)		-2.74							
LTE Band 66_Uplink frequency band : 1710 to 1780 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
20	132072	1720	QPSK	1	0	23.14	20.40	30	-9.6
				1	99	22.94	20.20	30	-9.8
				50	25	22.00	19.26	30	-10.74
				100	0	21.95	19.21	30	-10.79
	132322	1745	QPSK	1	0	23.05	20.31	30	-9.69
				1	99	22.89	20.15	30	-9.85
				50	25	21.92	19.18	30	-10.82
				100	0	21.91	19.17	30	-10.83
	132572	1770	QPSK	1	0	22.95	20.21	30	-9.79
				1	99	22.80	20.06	30	-9.94
				50	25	21.77	19.03	30	-10.97
				100	0	21.89	19.15	30	-10.85
20	132072	1720	16QAM	1	0	21.99	19.25	30	-10.75
				1	99	22.06	19.32	30	-10.68
				50	25	20.97	18.23	30	-11.77
				100	0	20.93	18.19	30	-11.81
	132322	1745	16QAM	1	0	21.86	19.12	30	-10.88
				1	99	21.88	19.14	30	-10.86
				50	25	20.86	18.12	30	-11.88
				100	0	20.88	18.14	30	-11.86
	132572	1770	16QAM	1	0	21.79	19.05	30	-10.95
				1	99	21.84	19.10	30	-10.9
				50	25	20.78	18.04	30	-11.96
				100	0	20.85	18.11	30	-11.89
20	132072	1720	64QAM	1	0	20.93	18.19	30	-11.81
				1	99	20.91	18.17	30	-11.83
				50	25	20.08	17.34	30	-12.66
				100	0	19.92	17.18	30	-12.82
	132322	1745	64QAM	1	0	20.83	18.09	30	-11.91
				1	99	20.88	18.14	30	-11.86
				50	25	19.89	17.15	30	-12.85
				100	0	19.87	17.13	30	-12.87
	132572	1770	64QAM	1	0	20.75	18.01	30	-11.99
				1	99	20.84	18.10	30	-11.9
				50	25	19.77	17.03	30	-12.97
				100	0	19.68	16.94	30	-13.06
20	132072	1720	256QAM	1	0	18.29	15.55	30	-14.45
				1	99	18.26	15.52	30	-14.48
				50	25	18.16	15.42	30	-14.58
				100	0	18.22	15.48	30	-14.52
	132322	1745	256QAM	1	0	18.09	15.35	30	-14.65
				1	99	18.12	15.38	30	-14.62
				50	25	18.05	15.31	30	-14.69
				100	0	18.10	15.36	30	-14.64
	132572	1770	256QAM	1	0	17.96	15.22	30	-14.78
				1	99	17.96	15.22	30	-14.78
				50	25	18.02	15.28	30	-14.72
				100	0	18.03	15.29	30	-14.71

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Antenna gain (dBi)		-7.43		LTE Band 71_Uplink frequency band : 663 to 698 MHz					
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	133147	665.5	QPSK	1	0	23.59	14.01	34.77	-20.76
				1	24	23.66	14.08	34.77	-20.69
				12	6	22.53	12.95	34.77	-21.82
				25	0	22.54	12.96	34.77	-21.81
	133297	680.5	QPSK	1	0	23.23	13.65	34.77	-21.12
				1	24	23.37	13.79	34.77	-20.98
				12	6	22.20	12.62	34.77	-22.15
				25	0	22.20	12.62	34.77	-22.15
	133447	695.5	QPSK	1	0	23.29	13.71	34.77	-21.06
				1	24	23.30	13.72	34.77	-21.05
				12	6	22.36	12.78	34.77	-21.99
				25	0	22.27	12.69	34.77	-22.08
5	133147	665.5	16QAM	1	0	22.53	12.95	34.77	-21.82
				1	24	22.62	13.04	34.77	-21.73
				12	6	21.51	11.93	34.77	-22.84
				25	0	21.61	12.03	34.77	-22.74
	133297	680.5	16QAM	1	0	22.38	12.80	34.77	-21.97
				1	24	22.13	12.55	34.77	-22.22
				12	6	21.18	11.60	34.77	-23.17
				25	0	21.24	11.66	34.77	-23.11
	133447	695.5	16QAM	1	0	22.25	12.67	34.77	-22.1
				1	24	22.40	12.82	34.77	-21.95
				12	6	21.41	11.83	34.77	-22.94
				25	0	21.23	11.65	34.77	-23.12
5	133147	665.5	64QAM	1	0	21.61	12.03	34.77	-22.74
				1	24	21.58	12.00	34.77	-22.77
				12	6	20.73	11.15	34.77	-23.62
				25	0	20.58	11.00	34.77	-23.77
	133297	680.5	64QAM	1	0	21.30	11.72	34.77	-23.05
				1	24	21.35	11.77	34.77	-23
				12	6	20.27	10.69	34.77	-24.08
				25	0	20.36	10.78	34.77	-23.99
	133447	695.5	64QAM	1	0	21.33	11.75	34.77	-23.02
				1	24	21.34	11.76	34.77	-23.01
				12	6	20.32	10.74	34.77	-24.03
				25	0	20.20	10.62	34.77	-24.15
5	133147	665.5	256QAM	1	0	18.80	9.22	34.77	-25.55
				1	24	18.78	9.20	34.77	-25.57
				12	6	18.80	9.22	34.77	-25.55
				25	0	18.90	9.32	34.77	-25.45
	133297	680.5	256QAM	1	0	18.51	8.93	34.77	-25.84
				1	24	18.45	8.87	34.77	-25.9
				12	6	18.56	8.98	34.77	-25.79
				25	0	18.46	8.88	34.77	-25.89
	133447	695.5	256QAM	1	0	18.51	8.93	34.77	-25.84
				1	24	18.51	8.93	34.77	-25.84
				12	6	18.49	8.91	34.77	-25.86
				25	0	18.58	9.00	34.77	-25.77

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Antenna gain (dBi)		-7.43		LTE Band 71_Uplink frequency band : 663 to 698 MHz					
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	133172	668	QPSK	1	0	23.64	14.06	34.77	-20.71
				1	49	23.58	14.00	34.77	-20.77
				25	12	22.58	13.00	34.77	-21.77
				50	0	22.69	13.11	34.77	-21.66
	133297	680.5	QPSK	1	0	23.21	13.63	34.77	-21.14
				1	49	23.25	13.67	34.77	-21.1
				25	12	22.24	12.66	34.77	-22.11
				50	0	22.25	12.67	34.77	-22.1
	133422	693	QPSK	1	0	23.36	13.78	34.77	-20.99
				1	49	23.25	13.67	34.77	-21.1
				25	12	22.41	12.83	34.77	-21.94
				50	0	22.29	12.71	34.77	-22.06
10	133172	668	16QAM	1	0	22.63	13.05	34.77	-21.72
				1	49	22.62	13.04	34.77	-21.73
				25	12	21.69	12.11	34.77	-22.66
				50	0	21.65	12.07	34.77	-22.7
	133297	680.5	16QAM	1	0	22.19	12.61	34.77	-22.16
				1	49	22.26	12.68	34.77	-22.09
				25	12	21.35	11.77	34.77	-23
				50	0	21.16	11.58	34.77	-23.19
	133422	693	16QAM	1	0	22.29	12.71	34.77	-22.06
				1	49	22.19	12.61	34.77	-22.16
				25	12	21.23	11.65	34.77	-23.12
				50	0	21.31	11.73	34.77	-23.04
10	133172	668	64QAM	1	0	21.69	12.11	34.77	-22.66
				1	49	21.51	11.93	34.77	-22.84
				25	12	20.56	10.98	34.77	-23.79
				50	0	20.61	11.03	34.77	-23.74
	133297	680.5	64QAM	1	0	21.31	11.73	34.77	-23.04
				1	49	21.25	11.67	34.77	-23.1
				25	12	20.26	10.68	34.77	-24.09
				50	0	20.17	10.59	34.77	-24.18
	133422	693	64QAM	1	0	21.20	11.62	34.77	-23.15
				1	49	21.35	11.77	34.77	-23
				25	12	20.44	10.86	34.77	-23.91
				50	0	20.37	10.79	34.77	-23.98
10	133172	668	256QAM	1	0	18.76	9.18	34.77	-25.59
				1	49	18.80	9.22	34.77	-25.55
				25	12	18.88	9.30	34.77	-25.47
				50	0	18.79	9.21	34.77	-25.56
	133297	680.5	256QAM	1	0	18.41	8.83	34.77	-25.94
				1	49	18.46	8.88	34.77	-25.89
				25	12	18.59	9.01	34.77	-25.76
				50	0	18.57	8.99	34.77	-25.78
	133422	693	256QAM	1	0	18.53	8.95	34.77	-25.82
				1	49	18.49	8.91	34.77	-25.86
				25	12	18.39	8.81	34.77	-25.96
				50	0	18.50	8.92	34.77	-25.85

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BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
15	133197	670.5	QPSK	1	0	23.60	14.02	34.77	-20.75
				1	74	23.69	14.11	34.77	-20.66
				36	18	22.58	13.00	34.77	-21.77
				75	0	22.73	13.15	34.77	-21.62
	133297	680.5	QPSK	1	0	23.26	13.68	34.77	-21.09
				1	74	23.33	13.75	34.77	-21.02
				36	18	22.23	12.65	34.77	-22.12
				75	0	22.30	12.72	34.77	-22.05
	133397	690.5	QPSK	1	0	23.30	13.72	34.77	-21.05
				1	74	23.35	13.77	34.77	-21
				36	18	22.35	12.77	34.77	-22
				75	0	22.40	12.82	34.77	-21.95
15	133197	670.5	16QAM	1	0	22.57	12.99	34.77	-21.78
				1	74	22.59	13.01	34.77	-21.76
				36	18	21.61	12.03	34.77	-22.74
				75	0	21.60	12.02	34.77	-22.75
	133297	680.5	16QAM	1	0	22.18	12.60	34.77	-22.17
				1	74	22.35	12.77	34.77	-22
				36	18	21.20	11.62	34.77	-23.15
				75	0	21.32	11.74	34.77	-23.03
	133397	690.5	16QAM	1	0	22.34	12.76	34.77	-22.01
				1	74	22.37	12.79	34.77	-21.98
				36	18	21.38	11.80	34.77	-22.97
				75	0	21.29	11.71	34.77	-23.06
15	133197	670.5	64QAM	1	0	21.54	11.96	34.77	-22.81
				1	74	21.65	12.07	34.77	-22.7
				36	18	20.63	11.05	34.77	-23.72
				75	0	20.74	11.16	34.77	-23.61
	133297	680.5	64QAM	1	0	21.24	11.66	34.77	-23.11
				1	74	21.31	11.73	34.77	-23.04
				36	18	20.22	10.64	34.77	-24.13
				75	0	20.29	10.71	34.77	-24.06
	133397	690.5	64QAM	1	0	21.35	11.77	34.77	-23
				1	74	21.25	11.67	34.77	-23.1
				36	18	20.24	10.66	34.77	-24.11
				75	0	20.30	10.72	34.77	-24.05
15	133197	670.5	256QAM	1	0	18.81	9.23	34.77	-25.54
				1	74	18.84	9.26	34.77	-25.51
				36	18	18.88	9.30	34.77	-25.47
				75	0	18.73	9.15	34.77	-25.62
	133297	680.5	256QAM	1	0	18.56	8.98	34.77	-25.79
				1	74	18.41	8.83	34.77	-25.94
				36	18	18.56	8.98	34.77	-25.79
				75	0	18.45	8.87	34.77	-25.9
	133397	690.5	256QAM	1	0	18.50	8.92	34.77	-25.85
				1	74	18.53	8.95	34.77	-25.82
				36	18	18.43	8.85	34.77	-25.92
				75	0	18.54	8.96	34.77	-25.81

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BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
20	133222	673	QPSK	1	0	23.78	14.20	34.77	-20.57
				1	99	23.74	14.16	34.77	-20.61
				50	25	22.73	13.15	34.77	-21.62
				100	0	22.63	13.05	34.77	-21.72
	133297	680.5	QPSK	1	0	23.43	13.85	34.77	-20.92
				1	99	23.37	13.79	34.77	-20.98
				50	25	22.20	12.62	34.77	-22.15
				100	0	22.33	12.75	34.77	-22.02
	133372	688	QPSK	1	0	23.47	13.89	34.77	-20.88
				1	99	23.34	13.76	34.77	-21.01
				50	25	22.25	12.67	34.77	-22.1
				100	0	22.27	12.69	34.77	-22.08
20	133222	673	16QAM	1	0	22.70	13.12	34.77	-21.65
				1	99	22.61	13.03	34.77	-21.74
				50	25	21.58	12.00	34.77	-22.77
				100	0	21.76	12.18	34.77	-22.59
	133297	680.5	16QAM	1	0	22.29	12.71	34.77	-22.06
				1	99	22.35	12.77	34.77	-22
				50	25	21.27	11.69	34.77	-23.08
				100	0	21.36	11.78	34.77	-22.99
	133372	688	16QAM	1	0	22.29	12.71	34.77	-22.06
				1	99	22.18	12.60	34.77	-22.17
				50	25	21.29	11.71	34.77	-23.06
				100	0	21.19	11.61	34.77	-23.16
20	133222	673	64QAM	1	0	21.62	12.04	34.77	-22.73
				1	99	21.57	11.99	34.77	-22.78
				50	25	20.54	10.96	34.77	-23.81
				100	0	20.56	10.98	34.77	-23.79
	133297	680.5	64QAM	1	0	21.29	11.71	34.77	-23.06
				1	99	21.17	11.59	34.77	-23.18
				50	25	20.22	10.64	34.77	-24.13
				100	0	20.31	10.73	34.77	-24.04
	133372	688	64QAM	1	0	21.35	11.77	34.77	-23
				1	99	21.30	11.72	34.77	-23.05
				50	25	20.35	10.77	34.77	-24
				100	0	20.31	10.73	34.77	-24.04
20	133222	673	256QAM	1	0	18.87	9.29	34.77	-25.48
				1	99	18.88	9.30	34.77	-25.47
				50	25	18.95	9.37	34.77	-25.4
				100	0	18.84	9.26	34.77	-25.51
	133297	680.5	256QAM	1	0	18.47	8.89	34.77	-25.88
				1	99	18.42	8.84	34.77	-25.93
				50	25	18.47	8.89	34.77	-25.88
				100	0	18.45	8.87	34.77	-25.9
	133372	688	256QAM	1	0	18.52	8.94	34.77	-25.83
				1	99	18.53	8.95	34.77	-25.82
				50	25	18.52	8.94	34.77	-25.83
				100	0	18.50	8.92	34.77	-25.85

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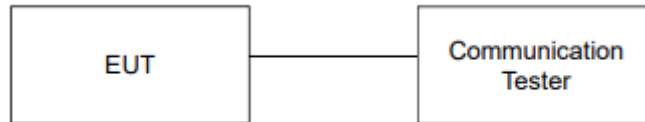
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8 OCCUPIED BANDWIDTH MEASUREMENT

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



Note: Measurement setup for testing on Antenna connector

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%.

8.4 Measurement Result

LTE BAND 2 Channel bandwidth: 1.4MHz									
Freq. (MHz)	CH	99% BW (MHz)				26 dB BW (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
1850.7	18607	1.0910	1.0931	1.0909	1.0899	1.302	1.314	1.342	1.322
1880.0	18900	1.0888	1.0894	1.0889	1.0887	1.336	1.317	1.331	1.324
1909.3	19193	1.0896	1.0909	1.0875	1.0923	1.338	1.323	1.306	1.339

LTE BAND 2 Channel bandwidth: 5MHz									
Freq. (MHz)	CH	99% BW (MHz)				26 dB BW (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
1852.5	18625	4.4951	4.4933	4.5009	4.4947	5.077	5.077	5.142	5.084
1880.0	18900	4.4951	4.4929	4.4832	4.4911	5.083	5.034	5.090	5.080
1907.5	19175	4.5026	4.4948	4.5003	4.4887	5.121	5.064	5.074	5.038

LTE BAND 2 Channel bandwidth: 15MHz									
Freq. (MHz)	CH	99% BW (MHz)				26 dB BW (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
1857.5	18675	13.466	13.458	13.466	13.484	14.78	14.85	14.69	14.74
1880.0	18900	13.447	13.471	13.462	13.455	14.74	14.75	14.80	14.74
1902.5	19125	13.439	13.425	13.454	13.424	14.73	14.67	14.67	14.86

LTE BAND 2 Channel bandwidth: 3MHz									
Freq. (MHz)	CH	99% BW (MHz)				26 dB BW (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
1851.5	18615	2.6969	2.7021	2.7142	2.6939	3.059	3.011	2.992	3.034
1880.0	18900	2.6992	2.6989	2.6990	2.6953	3.011	3.057	3.033	3.011
1908.5	19185	2.6983	2.6938	2.7031	2.6991	3.008	3.023	3.020	3.039

LTE BAND 2 Channel bandwidth: 10MHz									
Freq. (MHz)	CH	99% BW (MHz)				26 dB BW (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
1855.0	18650	8.9834	8.9736	8.9735	8.9646	9.890	9.876	9.904	9.939
1880.0	18900	8.9745	8.9688	8.9712	8.9767	9.945	9.941	10.030	9.967
1905.0	19150	8.9707	8.9981	8.9778	8.9706	9.899	9.868	9.972	9.989

LTE BAND 2 Channel bandwidth: 20MHz									
Freq. (MHz)	CH	99% BW (MHz)				26 dB BW (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
1860.0	18700	17.916	17.944	17.939	17.906	19.58	19.63	19.48	19.38
1880.0	18900	17.964	17.945	17.908	17.884	19.69	19.62	19.41	19.51
1900.0	19100	17.913	17.925	17.912	17.888	19.61	19.44	19.53	19.56

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7110	23130	8.9705	8.9869	8.9743	8.9825	9.994	10.010	9.930	9.900
LTE BAND 17 Channel bandwidth: 10MHz									
Freq. (MHz)	CH	99% BW (MHz)				26 dB BW (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
709.0	23780	8.9675	8.9749	8.9722	8.9544	9.989	9.909	10.030	9.973
710.0	23790	8.8858	8.9758	8.9868	8.9836	9.454	10.050	9.989	9.940
711.0	23800	8.9890	8.9833	8.9643	8.9799	10.040	9.932	9.979	9.949

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LTE BAND 25 Channel bandwidth: 1.4MHz									
Freq. (MHz)	CH	99% BW (MHz)				26 dB BW (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
1850.7	26047	1.0929	1.0912	1.0896	1.0931	1.307	1.320	1.318	1.321
1882.5	26365	1.0875	1.0895	1.0873	1.0888	1.351	1.317	1.339	1.313
1914.3	26683	1.0906	1.0958	1.0865	1.0890	1.341	1.352	1.311	1.320

LTE BAND 25 Channel bandwidth: 5MHz									
Freq. (MHz)	CH	99% BW (MHz)				26 dB BW (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
1852.5	26065	4.4959	4.4907	4.4983	4.4896	5.122	5.110	4.984	5.045
1882.5	26365	4.4923	4.4932	4.4937	4.4918	5.088	5.103	5.115	5.145
1912.5	26665	4.4966	4.4938	4.4909	4.4947	5.119	5.045	5.053	5.075

LTE BAND 25 Channel bandwidth: 15MHz									
Freq. (MHz)	CH	99% BW (MHz)				26 dB BW (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
1857.5	26115	13.443	13.471	13.463	13.442	14.71	14.87	14.85	14.68
1882.5	26365	13.447	13.438	13.440	13.452	14.60	14.72	14.66	14.77
1907.5	26615	13.449	13.458	13.435	13.449	14.77	14.75	14.88	14.88

LTE BAND 26 for part 90S Channel bandwidth: 1.4MHz									
Freq. (MHz)	CH	99% BW (MHz)				26 dB BW (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
814.7	26697	1.0888	1.0884	1.0862	1.0859	1.329	1.320	1.334	1.304
819.0	26740	1.0885	1.0892	1.0921	1.0870	1.330	1.323	1.338	1.325
823.3	26783	1.0886	1.0943	1.0904	1.0897	1.339	1.325	1.316	1.337

LTE BAND 26 for part 90S Channel bandwidth: 5MHz									
Freq. (MHz)	CH	99% BW (MHz)				26 dB BW (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
816.5	26715	4.4933	4.5029	4.4971	4.4936	5.095	5.065	5.097	5.094
819.0	26740	4.4976	4.5005	4.4964	4.4905	5.127	5.111	5.027	5.066
821.5	26765	4.4965	4.4908	4.4934	4.4907	5.041	5.134	5.128	5.075

LTE BAND 26 Channel bandwidth: 1.4MHz									
Freq. (MHz)	CH	99% BW (MHz)				26 dB BW (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
824.7	26797	1.0873	1.0902	1.0874	1.0898	1.320	1.347	1.325	1.314
836.5	26915	1.0881	1.0915	1.0914	1.0867	1.303	1.338	1.321	1.323
848.3	27033	1.0866	1.0885	1.0917	1.0899	1.312	1.286	1.314	1.323

LTE BAND 26 Channel bandwidth: 5MHz									
Freq. (MHz)	CH	99% BW (MHz)				26 dB BW (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
826.5	26815	4.4898	4.4999	4.4940	4.4904	5.120	5.089	5.054	5.039
836.5	26915	4.4912	4.4934	4.4926	4.4905	5.074	5.117	5.083	5.130
846.5	27015	4.4984	4.4926	4.4891	4.5052	5.105	5.098	5.061	5.095

LTE BAND 26 Channel bandwidth: 15MHz									
Freq. (MHz)	CH	99% BW (MHz)				26 dB BW (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
831.5	26865	13.431	13.426	13.437	13.418	14.79	14.77	14.83	14.64
836.5	26915	13.423	13.448	13.445	13.423	14.73	14.83	14.82	14.71
841.5	26965	13.440	13.468	13.434	13.431	14.86	14.71	14.71	14.70

LTE BAND 30 Channel bandwidth: 5MHz									
Freq. (MHz)	CH	99% BW (MHz)				26 dB BW (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
2307.5	27685	4.4963	4.4941	4.4932	4.4944	5.149	5.046	5.097	5.073
2310.0	27710	4.4900	4.4974	4.4863	4.4887	5.045	5.043	5.013	5.101
2312.5	27735	4.4923	4.4880	4.4878	4.4868	5.089	5.090	5.125	5.009

LTE BAND 38 Channel bandwidth: 5MHz									
Freq. (MHz)	CH	99% BW (MHz)				26 dB BW (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
2572.5	37775	4.4970	4.4972	4.4879	4.4865	5.017	5.095	5.054	5.046
2595.0	38000	4.5077	4.4948	4.4897	4.4953	5.056	5.111	5.147	5.077
2617.5	38225	4.4953	4.4838	4.4869	4.4895	5.062	5.084	5.106	5.061

LTE BAND 38 Channel bandwidth: 15MHz									
Freq. (MHz)	CH	99% BW (MHz)				26 dB BW (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
2577.5	37825	13.448	13.450	13.439	13.434	14.57	14.91	14.64	14.63
2595.0	38000	13.431	13.447	13.443	13.470	14.56	14.78	14.67	14.79
2612.5	38175	13.486	13.427	13.453	13.435	14.75	14.69	14.69	14.80

LTE BAND 25 Channel bandwidth: 3MHz									
Freq. (MHz)	CH	99% BW (MHz)				26 dB BW (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
1851.5	26055	2.6946	2.6988	2.7029	2.6960	3.032	3.018	3.062	3.039
1882.5	26365	2.7069	2.6995	2.6931	2.7011	3.030	3.035	3.021	3.017
1913.5	26675	2.6983	2.7018	2.6961	2.6979	3.043	3.022	3.015	3.028

LTE BAND 25 Channel bandwidth: 10MHz									
Freq. (MHz)	CH	99% BW (MHz)				26 dB BW (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
1855.0	26090	8.9855	8.9820	9.0048	8.9771	10.010	9.997	9.935	10.030
1882.5	26365	8.9761	8.9797	8.9713	8.9858	9.930	9.967	10.010	9.939
1910.0	26640	9.0000	8.9762	8.9739	8.9905	9.989	10.040	9.818	10.020

LTE BAND 25 Channel bandwidth: 20MHz									
Freq. (MHz)	CH	99% BW (MHz)				26 dB BW (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
1860.0	26140	17.926	17.948	17.951	17.939	19.73	19.71	19.56	19.47
1882.5	26365	17.947	17.943	17.949	17.903	19.45	19.79	19.60	19.48
1905.0	26590	17.917	17.931	17.937	17.908	19.48	19.61	19.66	19.56

LTE BAND 26 for part 90S Channel bandwidth: 3MHz									
Freq. (MHz)	CH	99% BW (MHz)				26 dB BW (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
815.5	26705	2.6940	2.6994	2.6952	2.7003	3.052	2.994	3.018	3.042
819.0	26740	2.6953	2.6969	2.6904	2.6934	3.015	3.045	3.061	3.027
822.5	26775	2.6973	2.6966	2.6964	2.6994	3.056	3.021	3.027	3.045

LTE BAND 26 for part 90S Channel bandwidth: 10MHz									
Freq. (MHz)	CH	99% BW (MHz)				26 dB BW (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
819.0	26740	8.9889	8.9608	8.9640	8.9726	9.954	9.885	9.817	10.050

LTE BAND 26 Channel bandwidth: 3MHz									
Freq. (MHz)	CH	99% BW (MHz)				26 dB BW (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
825.5	26805	2.6983	2.6943	2.7051	2.6972	3.053	2.999	3.037	2.994
836.5	26915	2.6994	2.6983	2.7109	2.6989	3.062	3.009	3.011	3.022
847.5	27025	2.7040	2.6989	2.7065	2.6960	3.040	3.017	3.028	3.015

LTE BAND 26 Channel bandwidth: 10MHz									
Freq. (MHz)	CH	99% BW (MHz)				26 dB BW (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
829.0	26840	8.9690	8.9667	8.9754	8.9614	9.915	9.888	9.910	9.902
836.5	26915	8.9463	8.9547	8.9679	8.9577	9.979	9.945	9.847	9.841
844.0	26990	8.9869	8.9912	8.9900	8.9785	9.914	9.892	9.985	9.956

LTE BAND 41 Channel bandwidth: 5MHz									
Freq. (MHz)	CH	99% BW (MHz)				26 dB BW (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
2498.5	39675	4.4862	4.4988	4.4996	4.4967	5.077	5.060	5.070	5.099
2593.0	40620	4.4957	4.4827	4.4838	4.4881	5.124	5.034	5.040	5.103
2687.5	41565	4.4972	4.4776	4.4957	4.4884	5.121	5.102	5.081	5.084
LTE BAND 41 Channel bandwidth: 15MHz									
Freq. (MHz)	CH	99% BW (MHz)				26 dB BW (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
2503.5	39725	13.430	13.461	13.423	13.446	14.74	14.72	14.76	14.64
2593.0	40620	13.427	13.471	13.436	13.438	14.71	14.77	14.72	14.73
2682.5	41515	13.435	13.439	13.477	13.455	14.71	14.75	14.59	14.70
LTE BAND 66 Channel bandwidth: 1.4MHz									
Freq. (MHz)	CH	99% BW (MHz)				26 dB BW (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
1710.7	131979	1.0881	1.0954	1.0881	1.0909	1.340	1.323	1.332	1.308
1745.0	132322	1.0905	1.0911	1.0943	1.0895	1.301	1.359	1.347	1.346
1779.3	132665	1.0898	1.0906	1.0891	1.0886	1.313	1.335	1.326	1.336

LTE BAND 66 Channel bandwidth: 5MHz									
Freq. (MHz)	CH	99% BW (MHz)				26 dB BW (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
1712.5	131997	4.4964	4.4966	4.4928	4.4846	5.118	5.097	5.040	5.098
1745.0	132322	4.4985	4.5030	4.4911	4.4870	5.121	5.065	5.102	5.124
1777.5	132647	4.4898	4.5020	4.4912	4.4816	5.106	5.100	5.082	5.011

LTE BAND 66 Channel bandwidth: 15MHz									
Freq. (MHz)	CH	99% BW (MHz)				26 dB BW (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
1717.5	132047	13.472	13.436	13.446	13.442	14.68	14.70	14.65	14.76
1745.0	132322	13.469	13.461	13.435	13.448	14.76	14.77	14.65	14.88
1772.5	132597	13.445	13.460	13.429	13.428	14.86	14.74	14.76	14.69
LTE BAND 71 Channel bandwidth: 5MHz									
Freq. (MHz)	CH	99% BW (MHz)				26 dB BW (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
665.5	133147	4.4937	4.4891	4.4874	4.4987	5.074	5.076	5.053	5.117
680.5	133297	4.4921	4.4950	4.5005	4.4902	5.122	5.134	5.088	5.087
695.5	133447	4.4857	4.4981	4.4959	4.4867	5.026	5.065	5.065	5.121

LTE BAND 71 Channel bandwidth: 15MHz									
Freq. (MHz)	CH	99% BW (MHz)				26 dB BW (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
670.5	133197	13.417	13.409	13.376	13.381	14.64	14.73	14.62	14.57
680.5	133297	13.450	13.441	13.446	13.439	14.91	14.68	14.84	14.79
690.5	133397	13.440	13.406	13.402	13.397	14.88	14.66	14.92	14.78

LTE BAND 41 Channel bandwidth: 10MHz									
Freq. (MHz)	CH	99% BW (MHz)				26 dB BW (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
2501.0	39700	8.9693	8.9728	8.9695	8.9875	9.881	9.912	9.964	9.871
2593.0	40620	8.9842	8.9823	8.9784	8.9765	9.941	10.030	9.834	9.960
2685.0	41540	8.9779	8.9793	8.9693	8.9851	9.923	9.847	9.878	9.752
LTE BAND 41 Channel bandwidth: 20MHz									
Freq. (MHz)	CH	99% BW (MHz)				26 dB BW (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
2506.0	39750	17.894	17.911	17.909	17.899	19.47	19.64	19.39	19.46
2593.0	40620	17.913	17.900	17.903	17.892	19.42	19.35	19.42	19.57
2680.0	41490	17.944	17.915	17.915	17.902	19.55	19.48	19.52	19.49
LTE BAND 66 Channel bandwidth: 3MHz									
Freq. (MHz)	CH	99% BW (MHz)				26 dB BW (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
1711.5	131987	2.6986	2.6979	2.7002	2.6967	3.037	3.029	3.032	3.032
1745.0	132322	2.6990	2.6954	2.7041	2.6981	3.034	3.070	3.013	3.032
1778.5	132657	2.6968	2.6987	2.7067	2.6979	3.058	3.039	3.036	3.047

LTE BAND 66 Channel bandwidth: 10MHz									
Freq. (MHz)	CH	99% BW (MHz)				26 dB BW (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
1715.0	132022	8.9738	8.9971	8.9874	8.9893	10.060	9.932	9.996	10.020
1745.0	132322	8.9997	8.9991	8.9760	8.9895	9.970	9.943	9.946	10.020
1775.0	132622	8.9753	8.9741	8.9652	8.9896	10.100	10.070	9.965	9.916

LTE BAND 66 Channel bandwidth: 20MHz									
Freq. (MHz)	CH	99% BW (MHz)				26 dB BW (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
1720.0	132072	17.900	17.935	17.939	17.925	19.62	19.55	19.63	19.35
1745.0	132322	17.920	17.947	17.910	17.930	19.66	19.62	19.60	19.48
1770.0	132572	17.922	17.957	17.889	17.917	19.53	19.53	19.57	19.55
LTE BAND 71 Channel bandwidth: 10MHz									
Freq. (MHz)	CH	99% BW (MHz)				26 dB BW (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
688.0	133172	8.9298	8.9547	8.9443	8.9472	9.795	9.848	9.880	9.805
680.5	133297	8.9835	8.9591	8.9930	8.9547	10.060	9.904	9.900	10.010
693.0	133422	8.9700	8.9710	8.9448	8.9485	9.881	9.897	9.882	9.861

LTE BAND 71 Channel bandwidth: 20MHz									
Freq. (MHz)	CH	99% BW (MHz)				26 dB BW (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
673.0	133222	17.852	17.864	17.838	17.838	19.80	19.58	19.35	19.44
680.5	133297	17.910	17.905	17.887	17.923	19.73	19.43	19.49	18.62
688.0	133372	17.852	17.858	17.832	17.822	19.53	19.56	19.39	19.36

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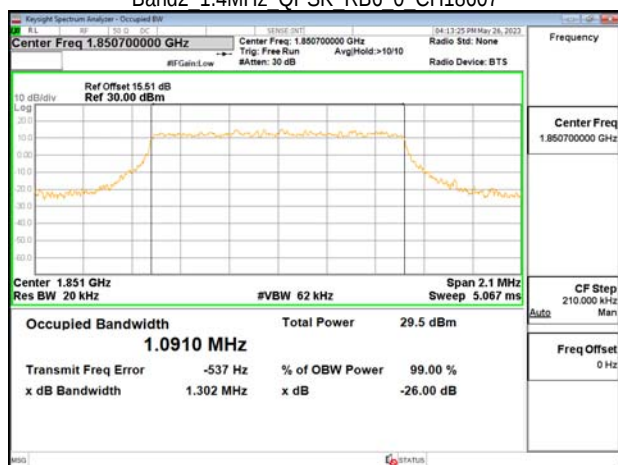
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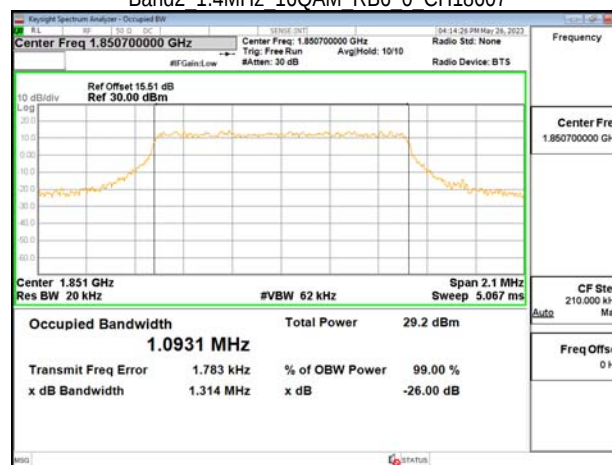
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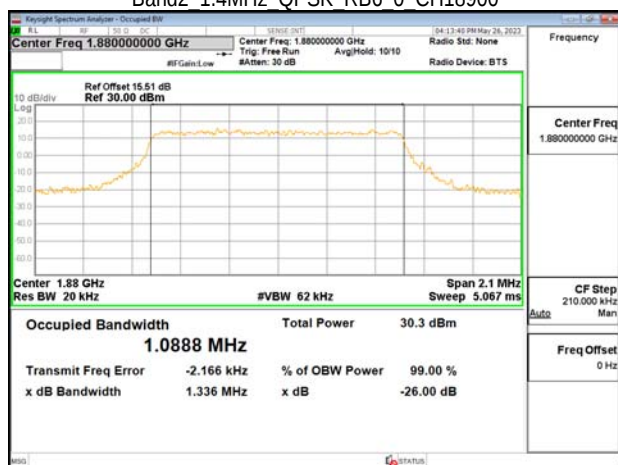
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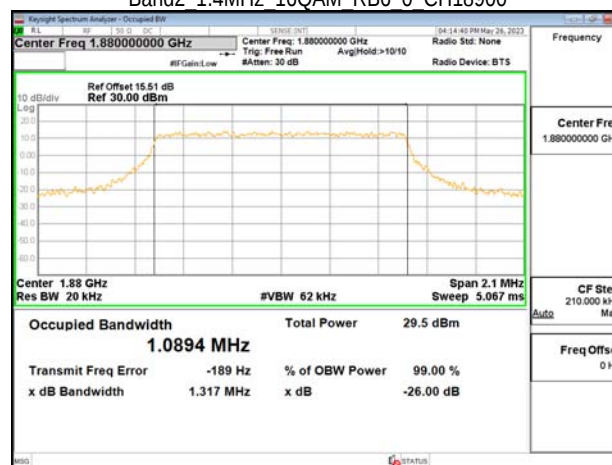
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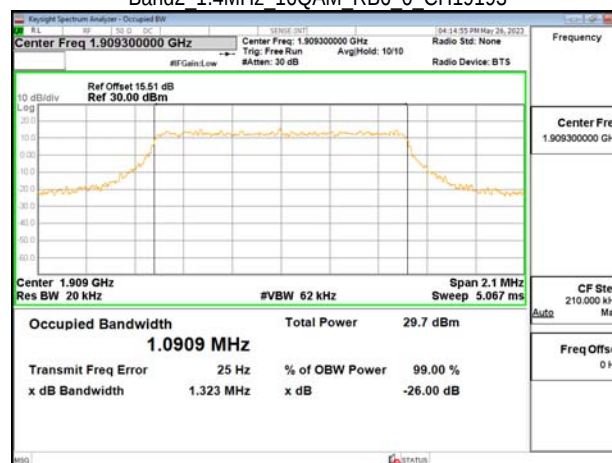
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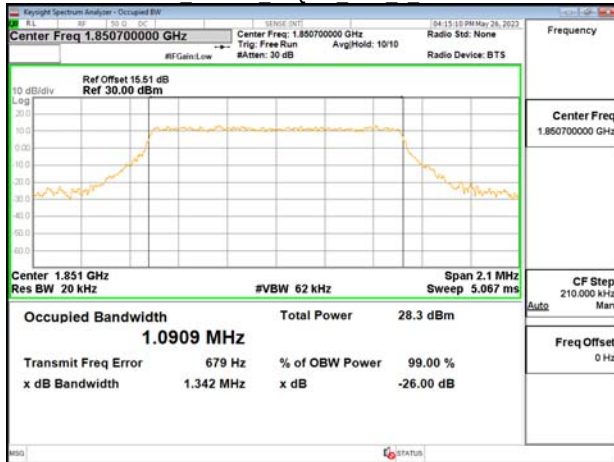


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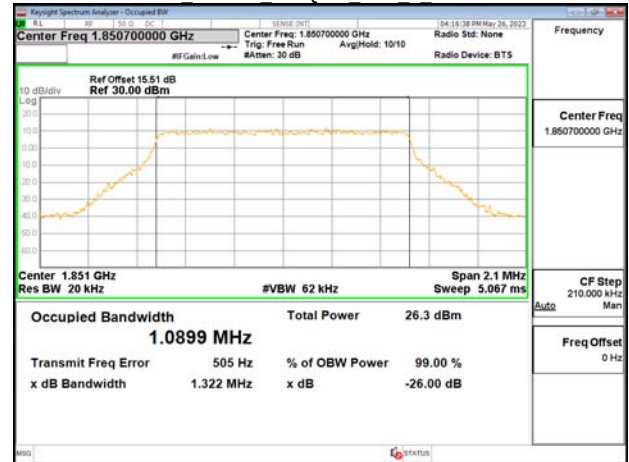
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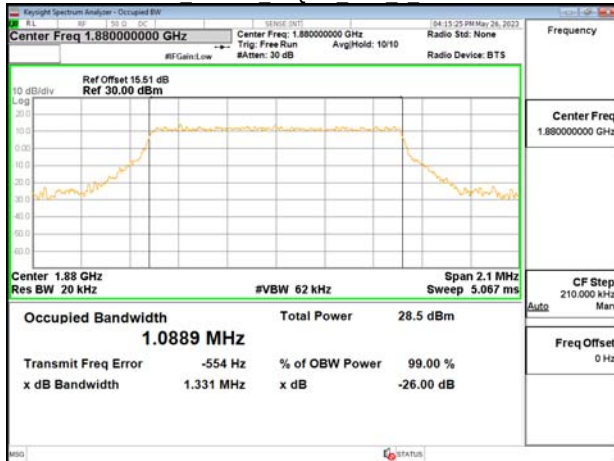
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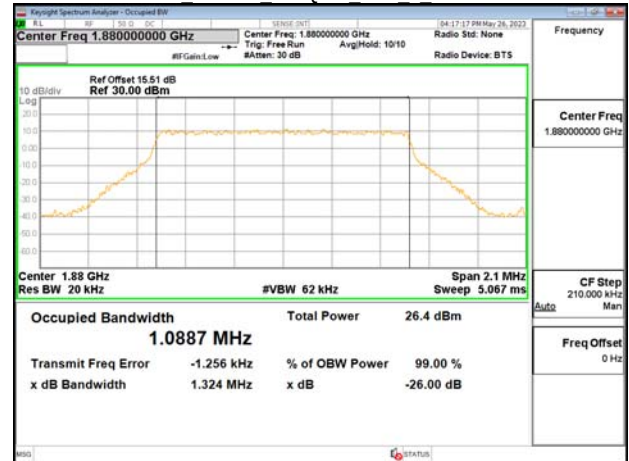
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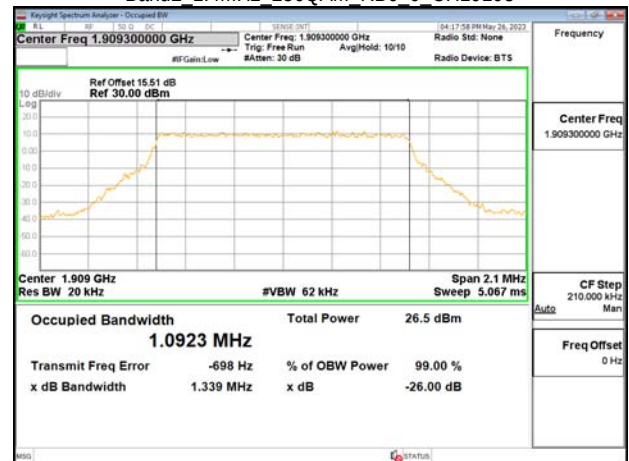
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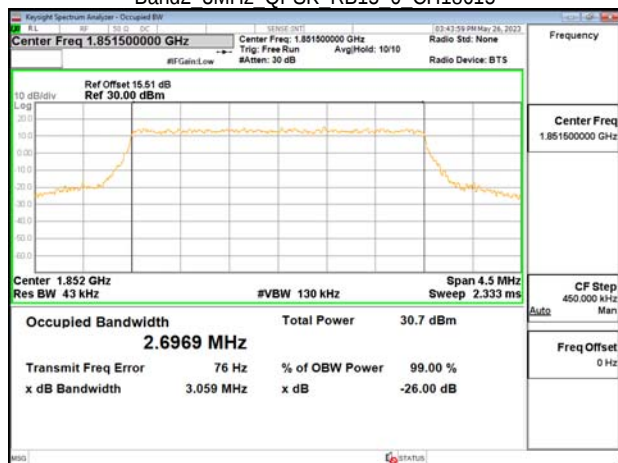


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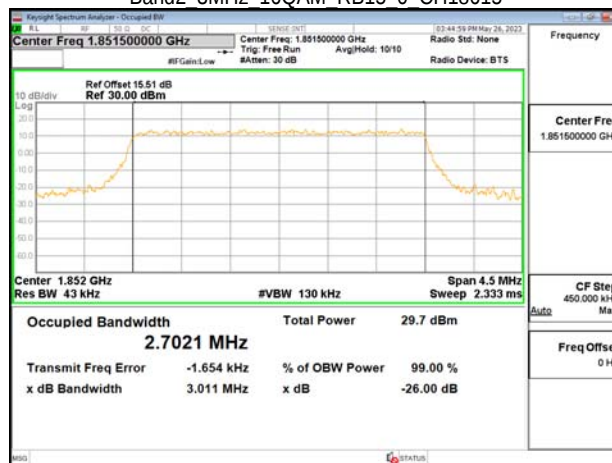
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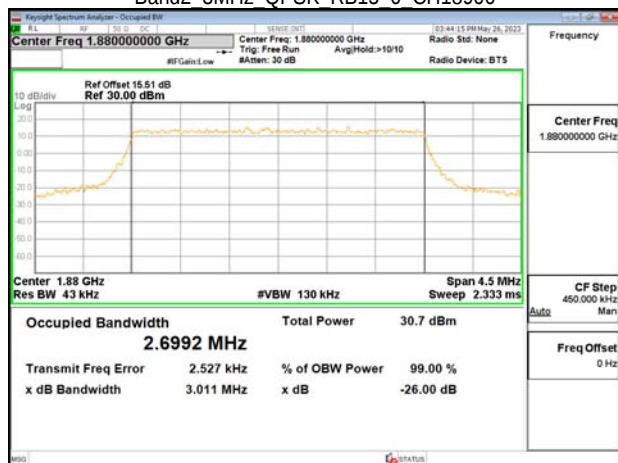
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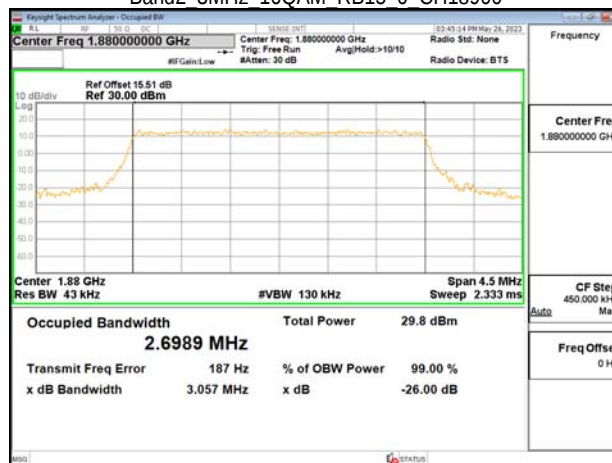
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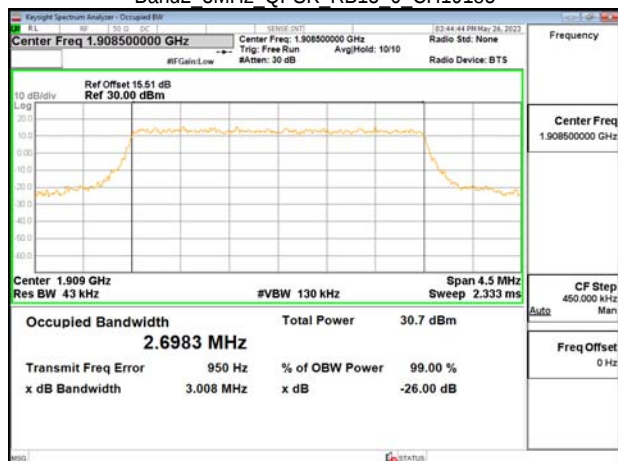
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Band2 3MHz 16QAM RB15 0 CH18900



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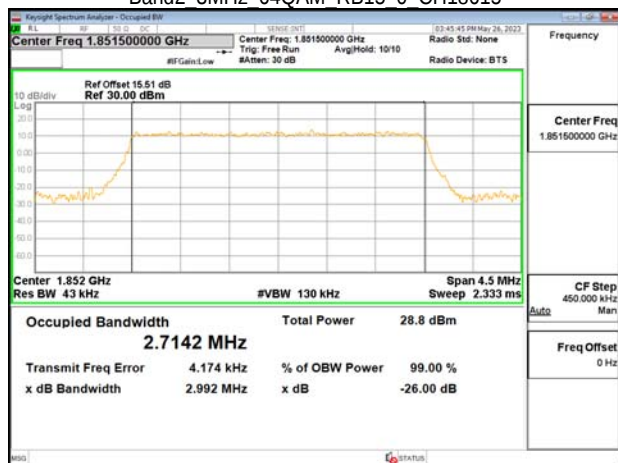


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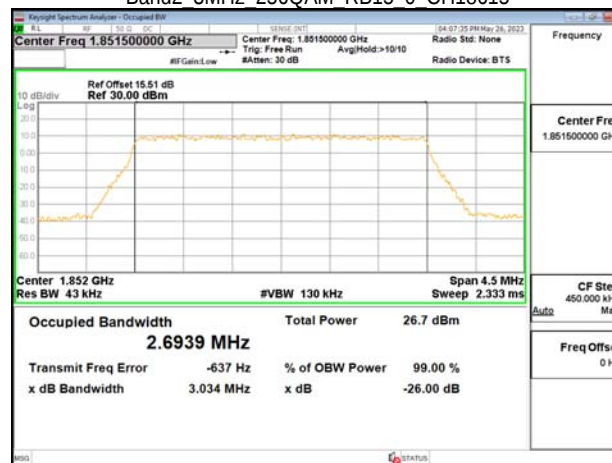
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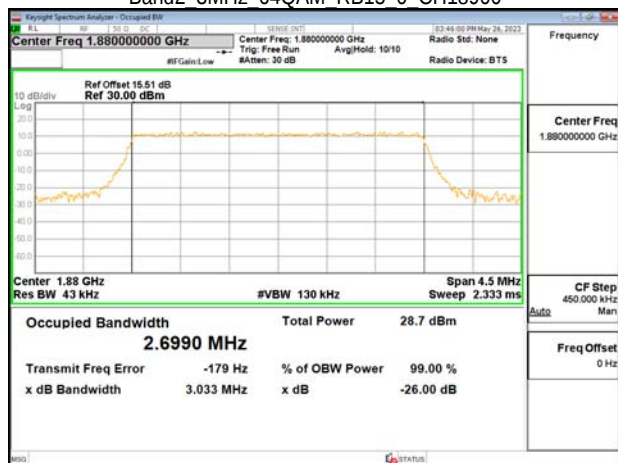
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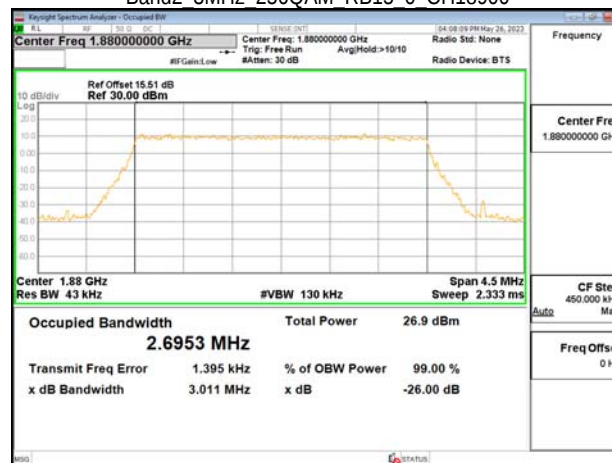
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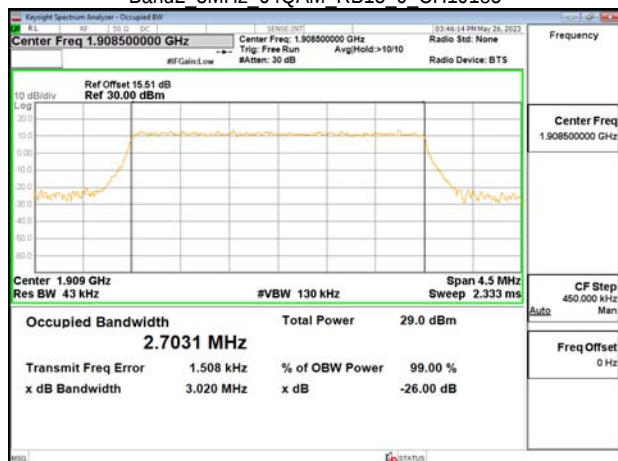
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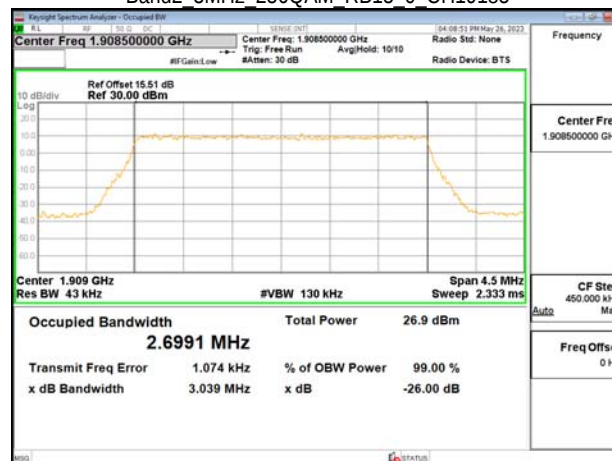
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Band2 3MHz 64QAM RB15 0 CH19185



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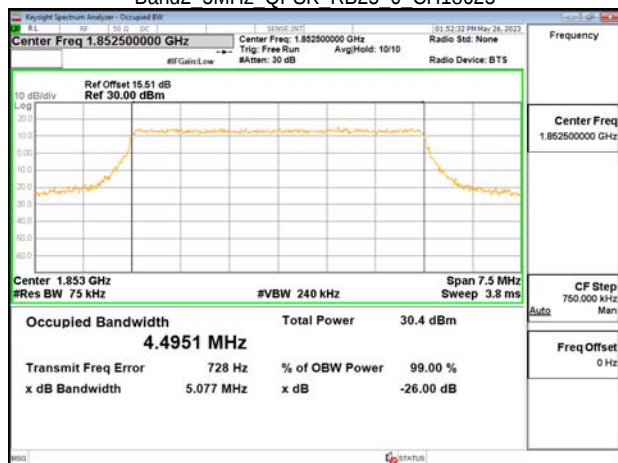
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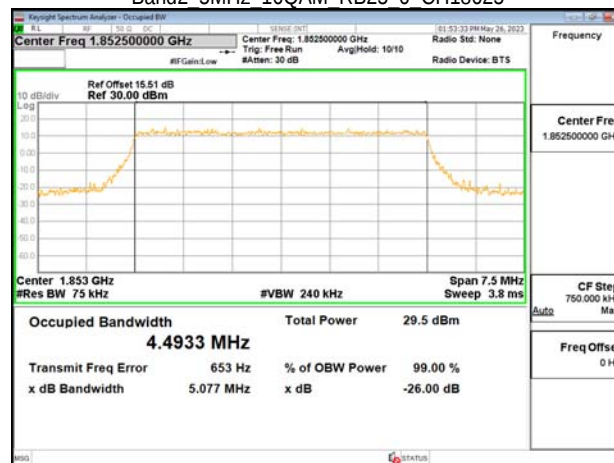
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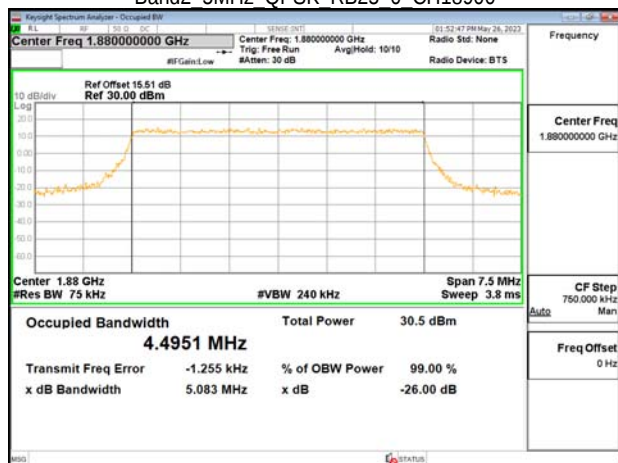
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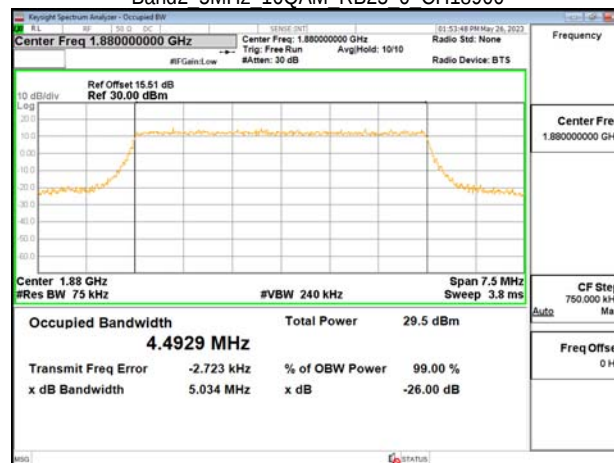
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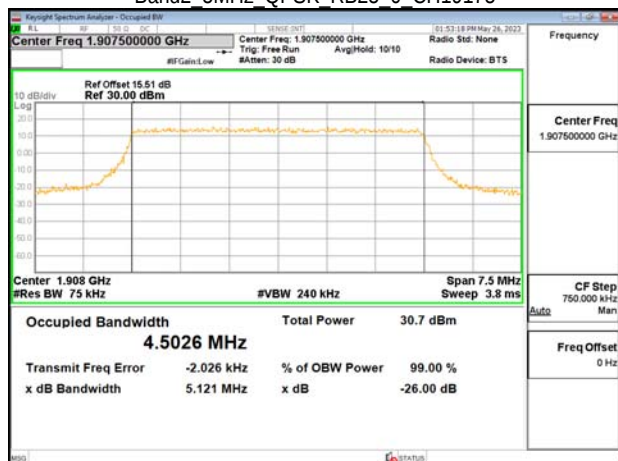
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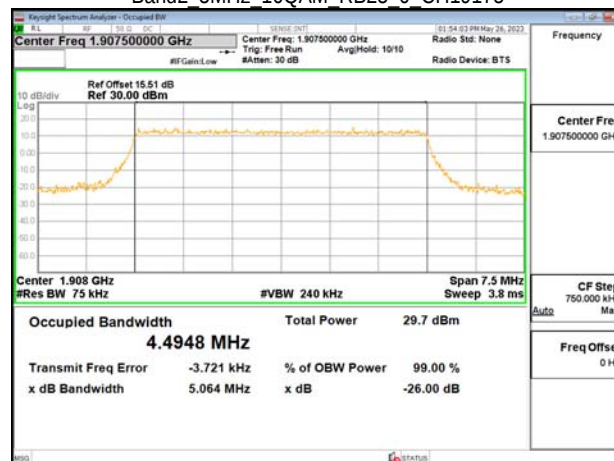
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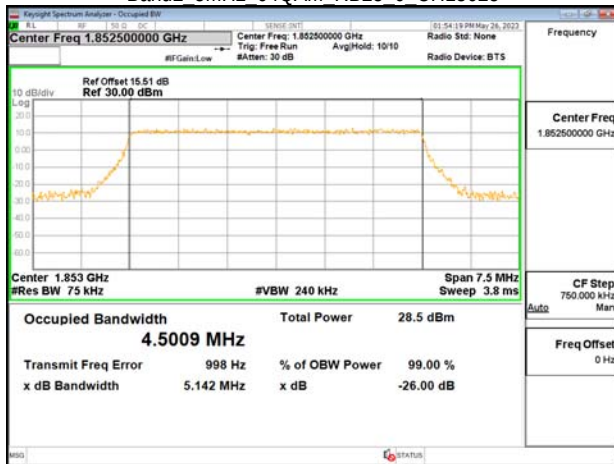


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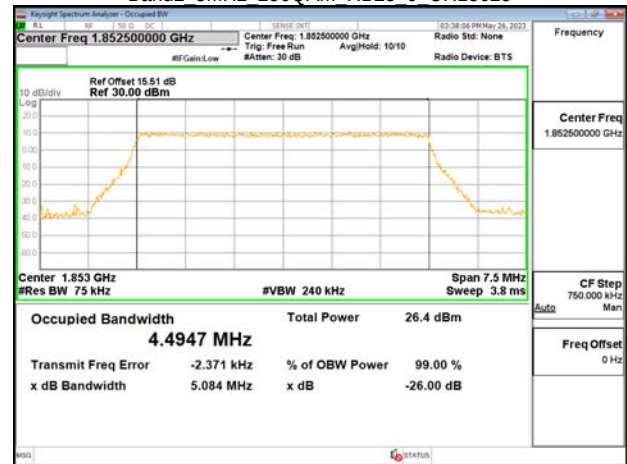
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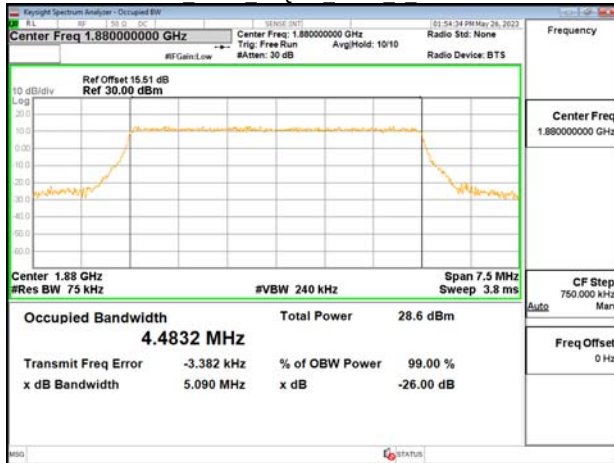
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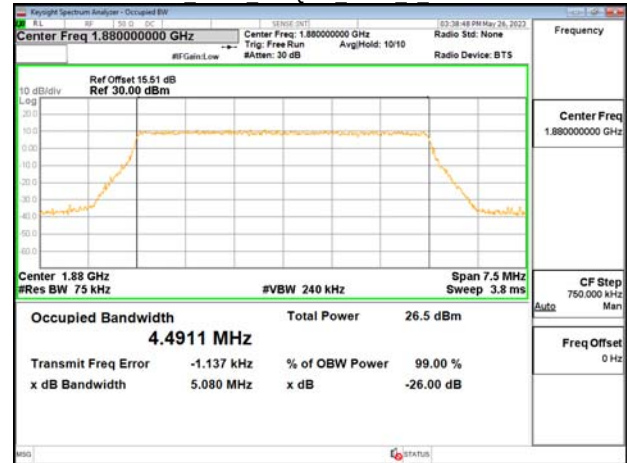
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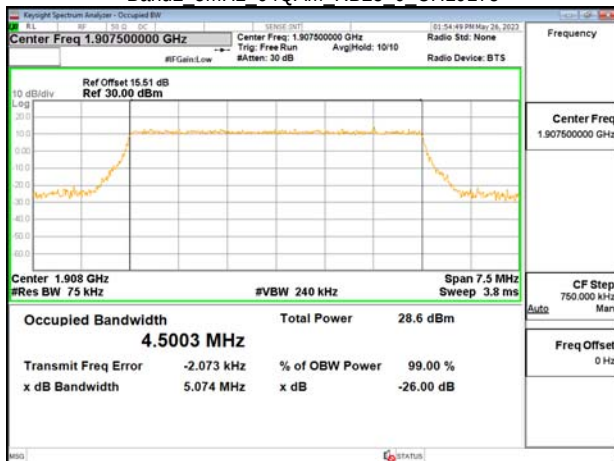
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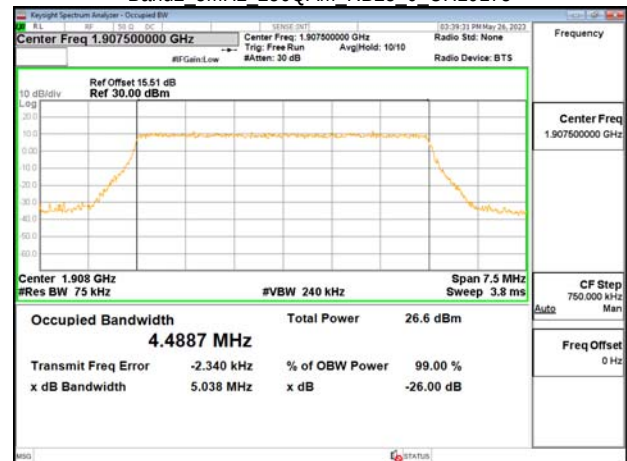
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Band2 5MHz 64QAM RB25 0 CH19175



Band2 5MHz 256QAM RB25 0 CH19175



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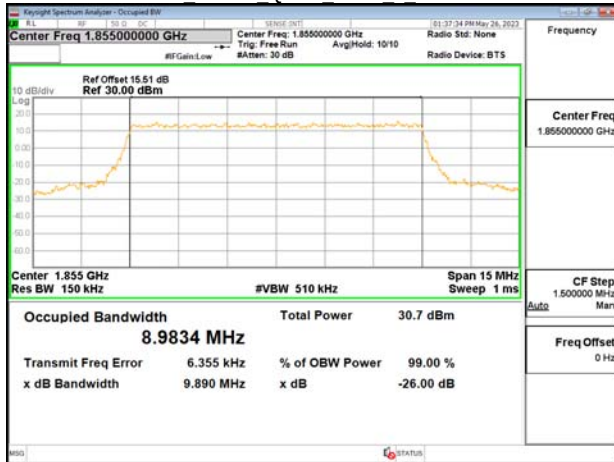
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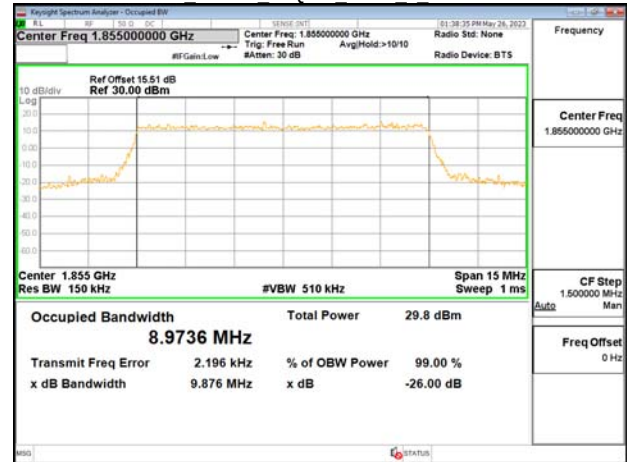
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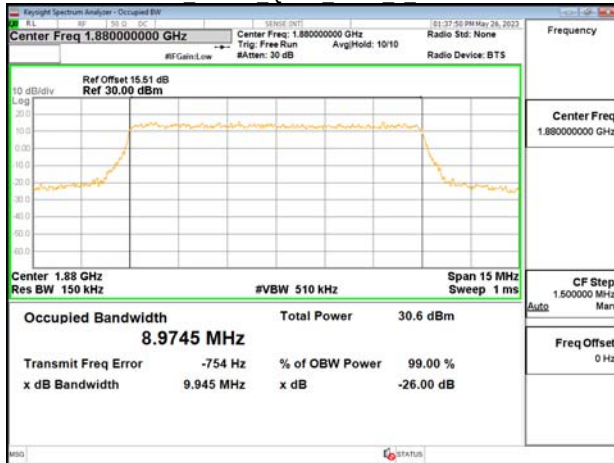
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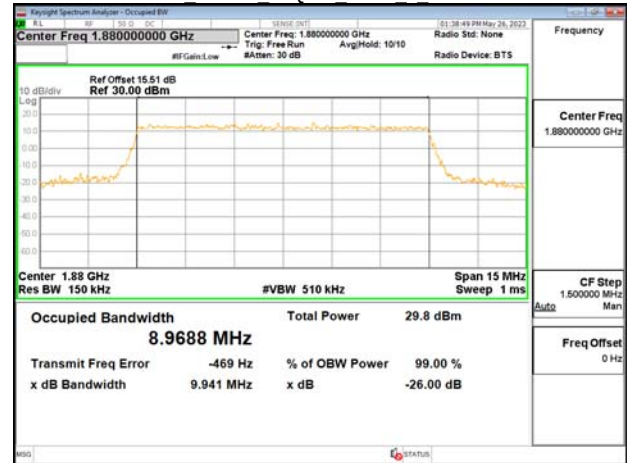
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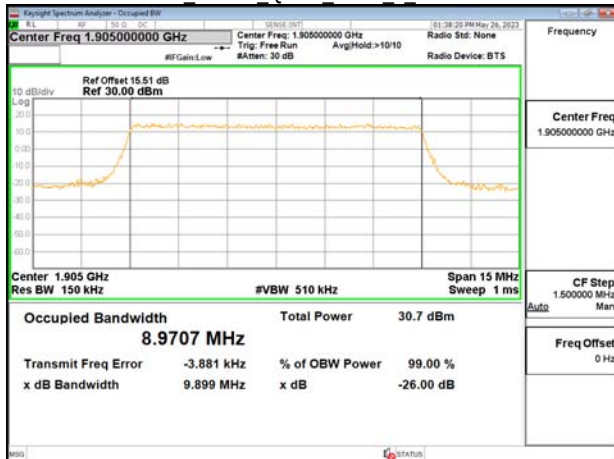
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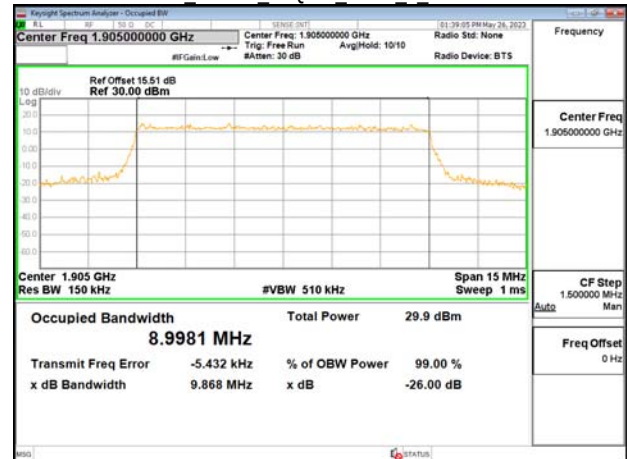
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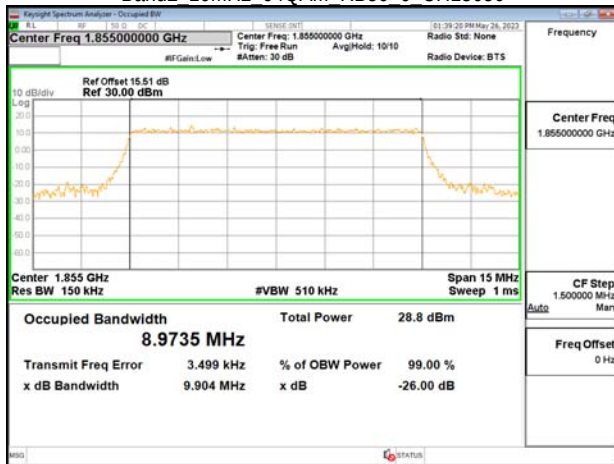


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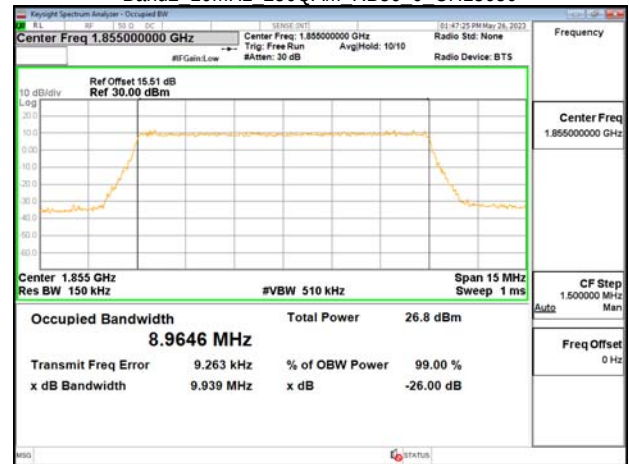
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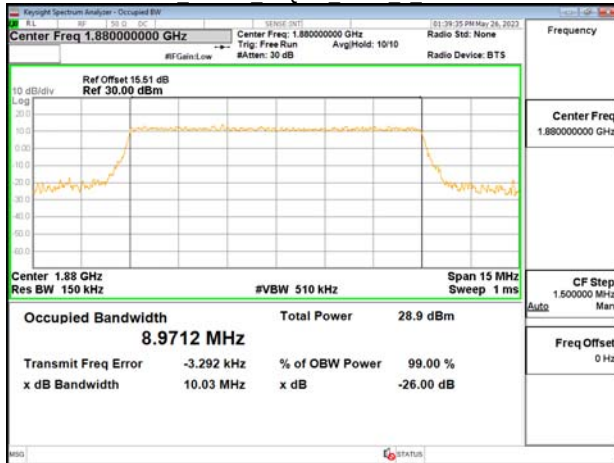
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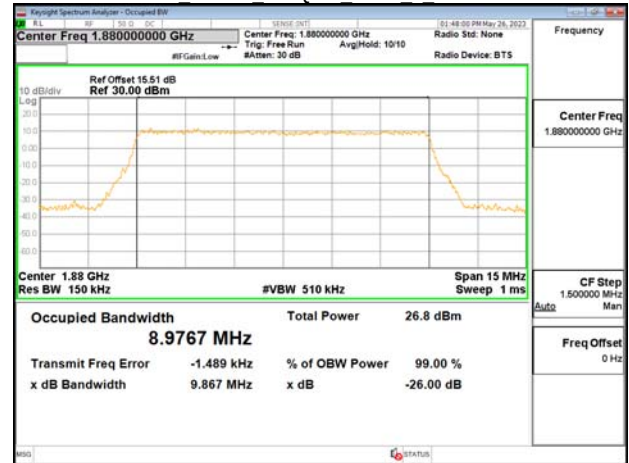
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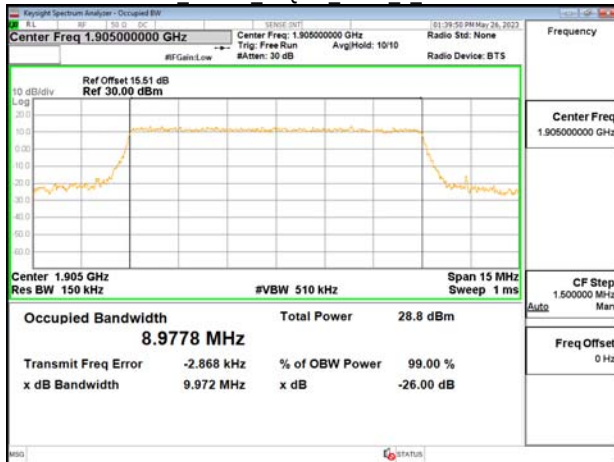
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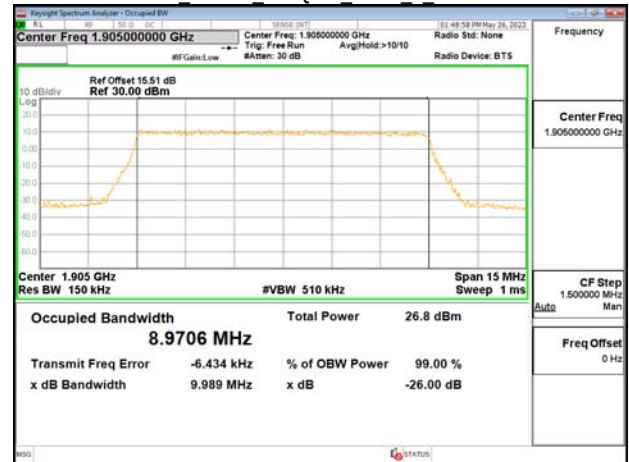
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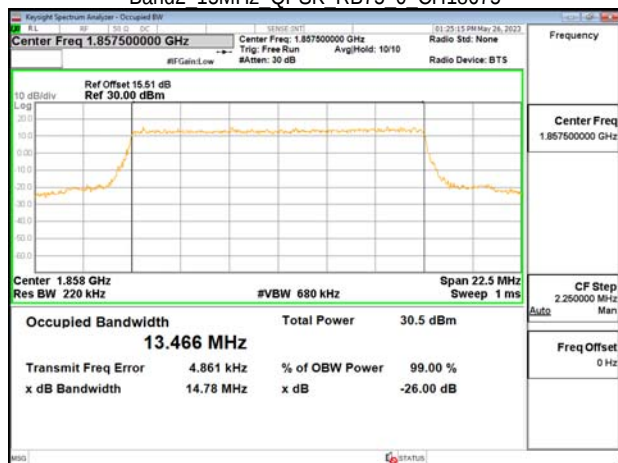


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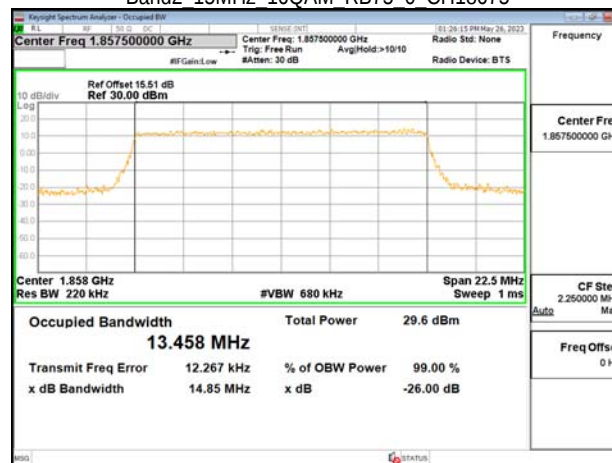
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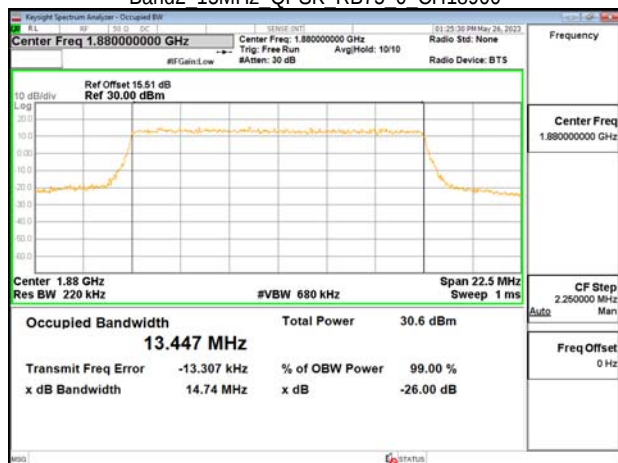
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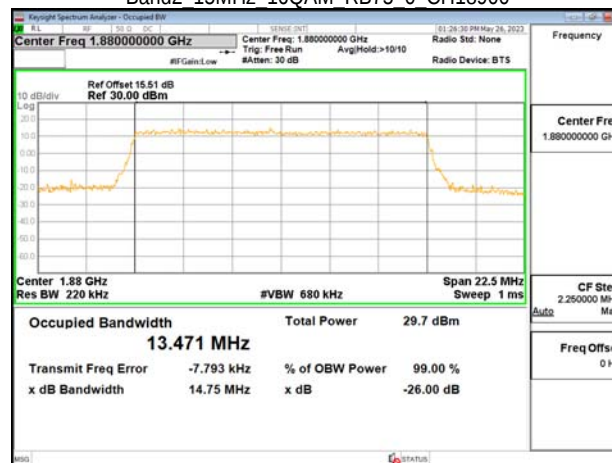
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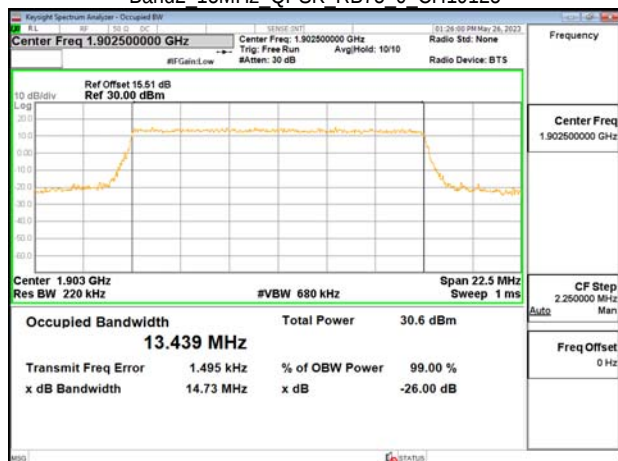
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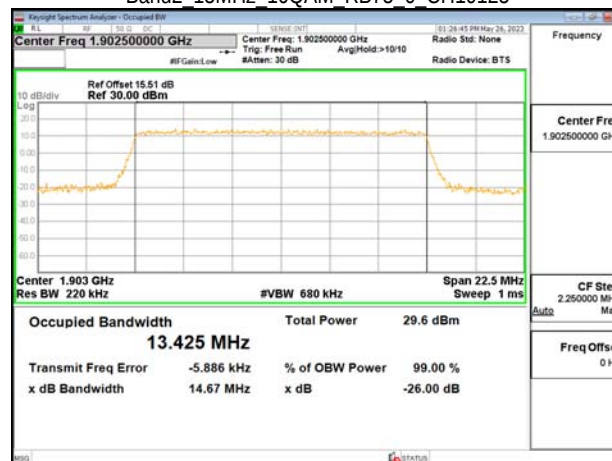
Band2 15MHz 16QAM RB75 0 CH18900



Band2 15MHz QPSK RB75 0 CH19125



Band2 15MHz 16QAM RB75 0 CH19125



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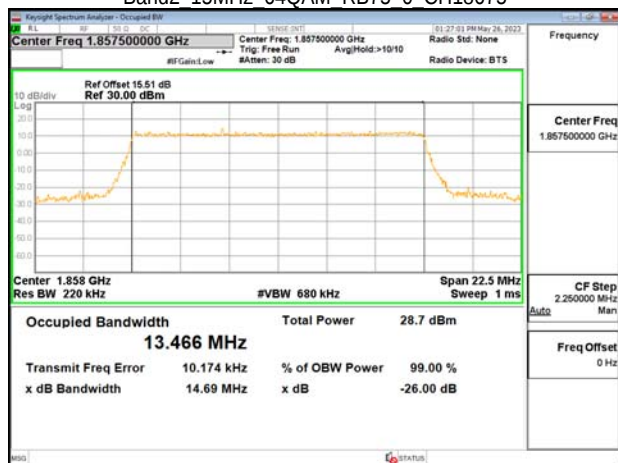
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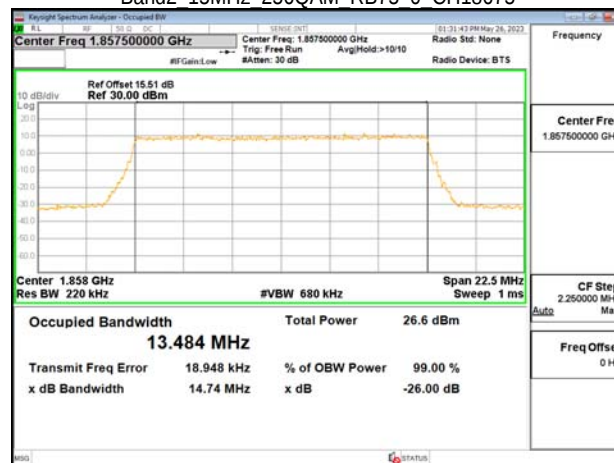
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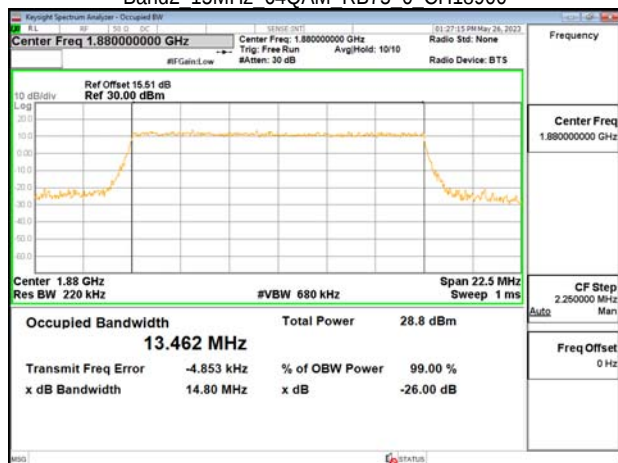
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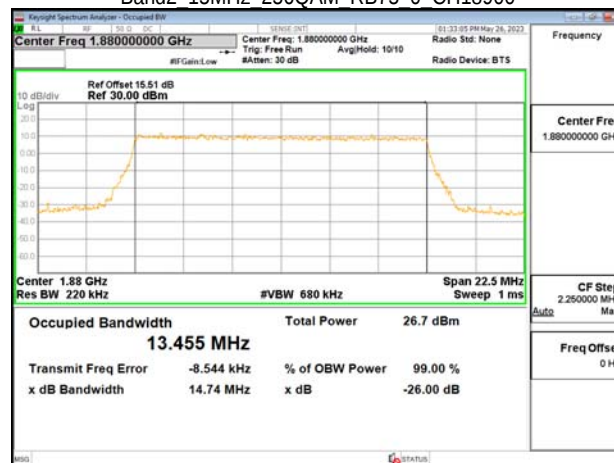
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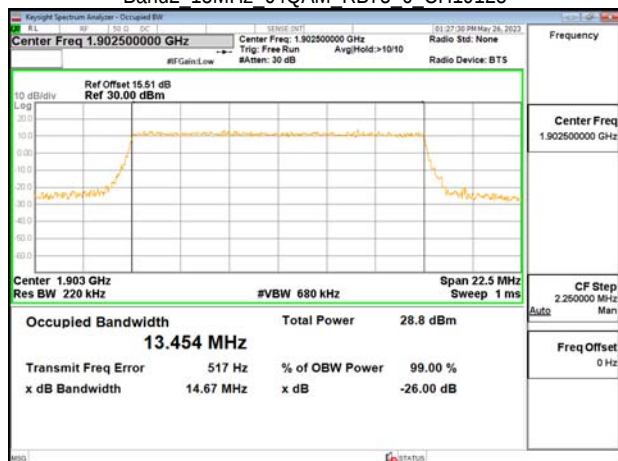
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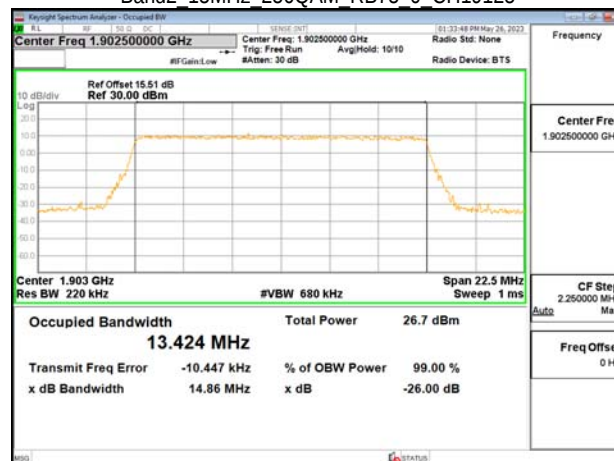
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Band2 15MHz 64QAM RB75 0 CH19125



Band2 15MHz 256QAM RB75 0 CH19125



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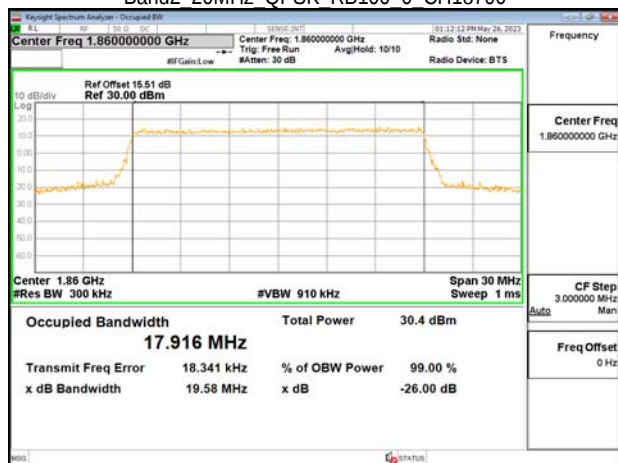
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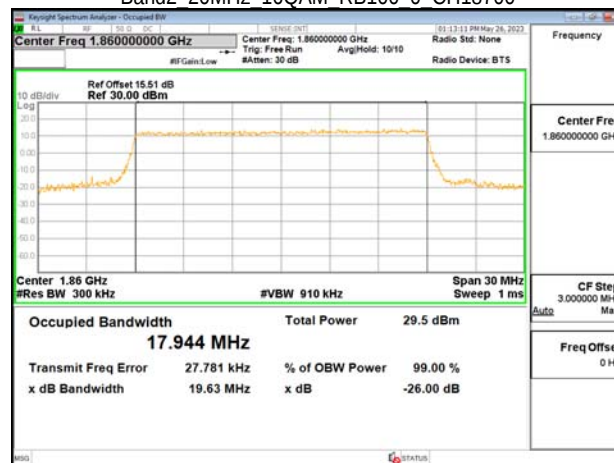
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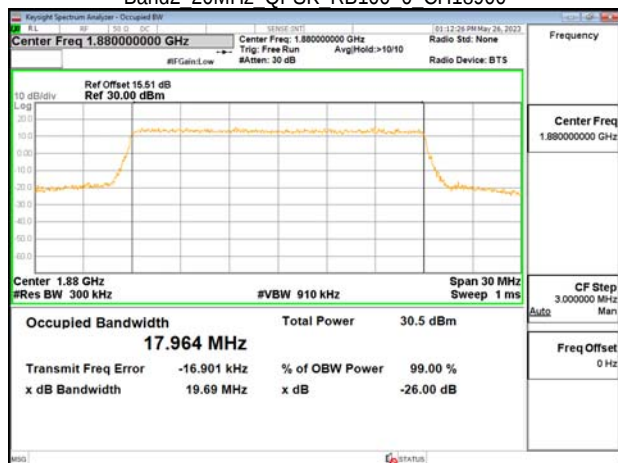
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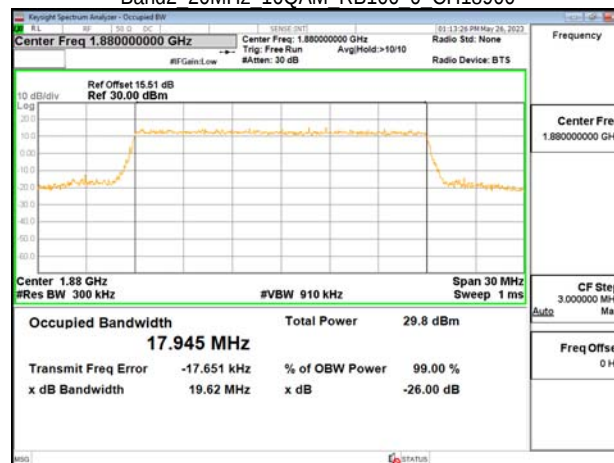
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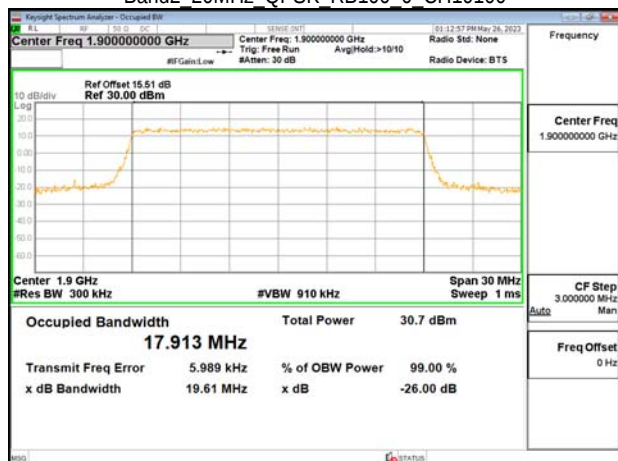
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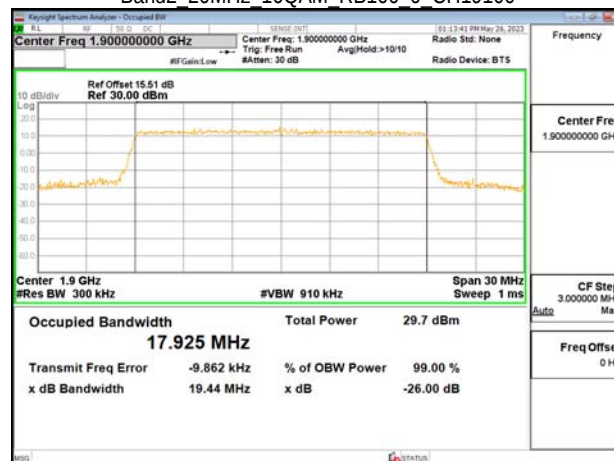
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Band2 20MHz QPSK RB100 0 CH19100



Band2 20MHz 16QAM RB100 0 CH19100



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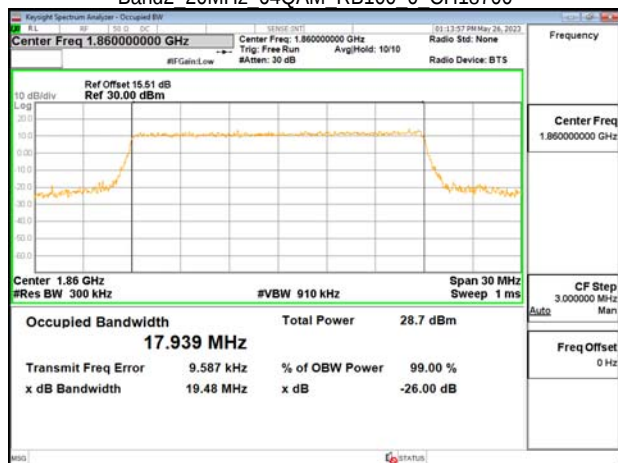
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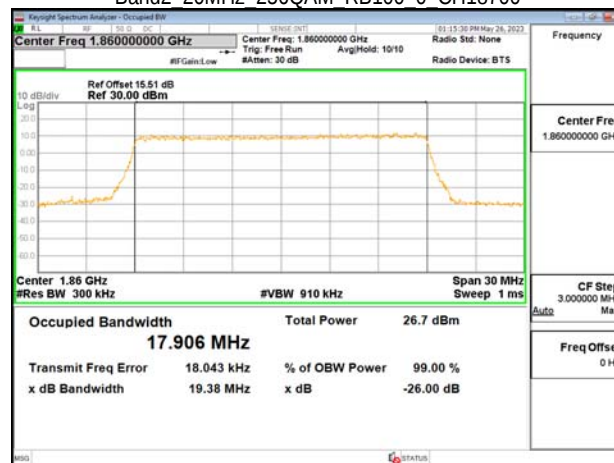
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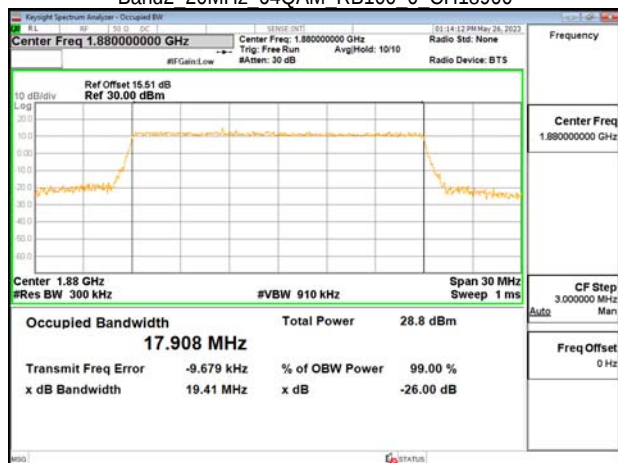
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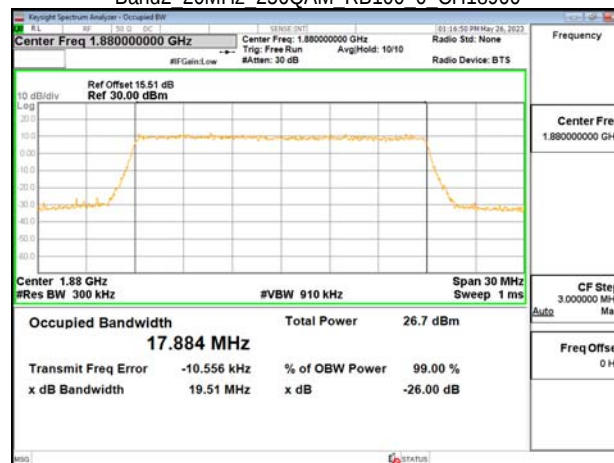
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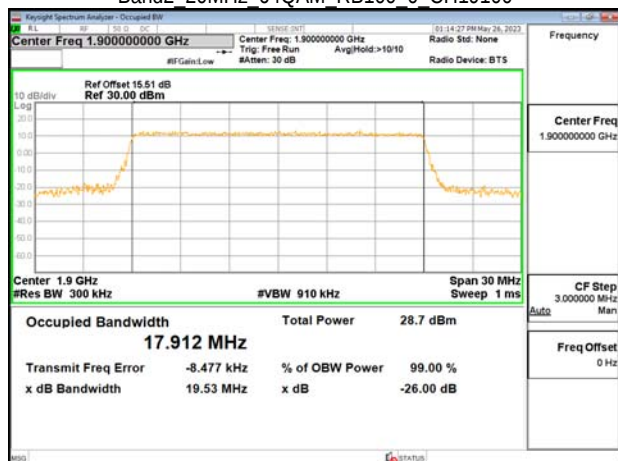
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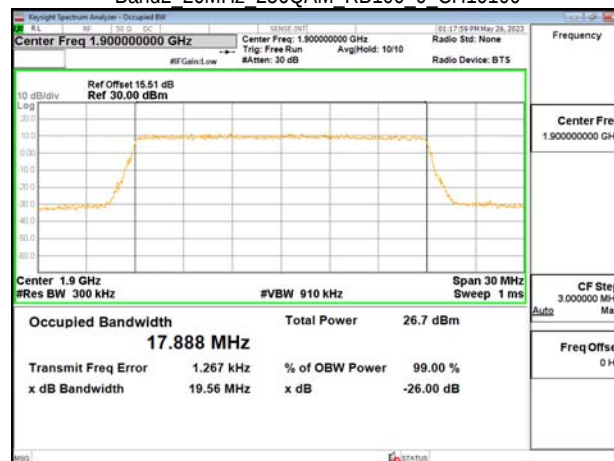
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Band2 20MHz 256QAM RB100 0 CH19100



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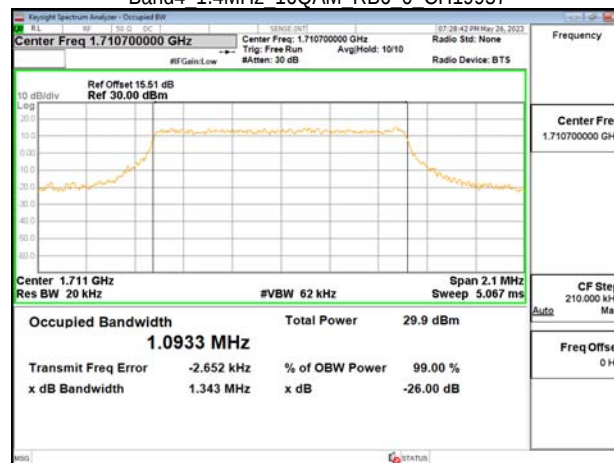
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Band4 1.4MHz QPSK RB6 0 CH19957



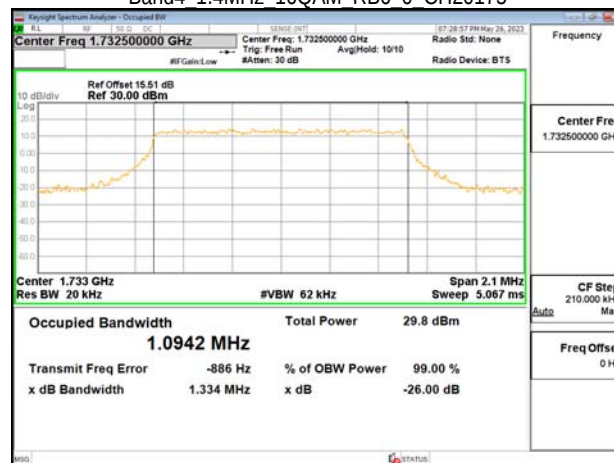
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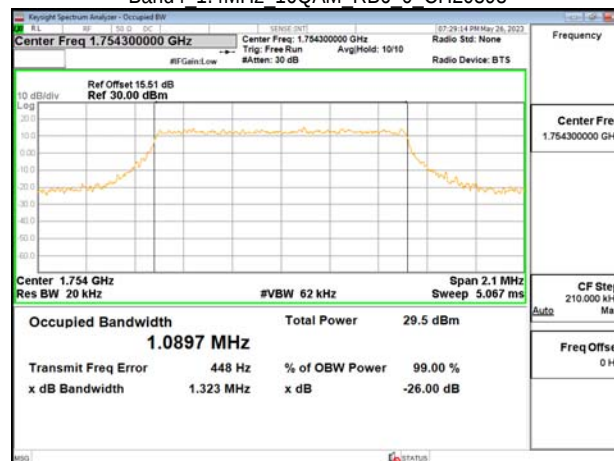
Band4 1.4MHz 16QAM RB6 0 CH20175



Band4 1.4MHz QPSK RB6 0 CH20393



Band4 1.4MHz 16QAM RB6 0 CH20393



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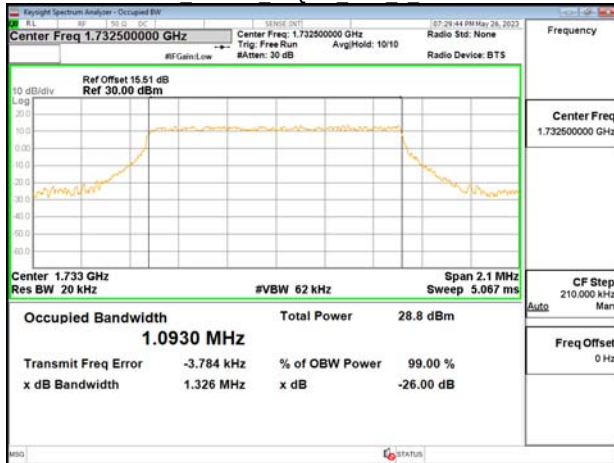
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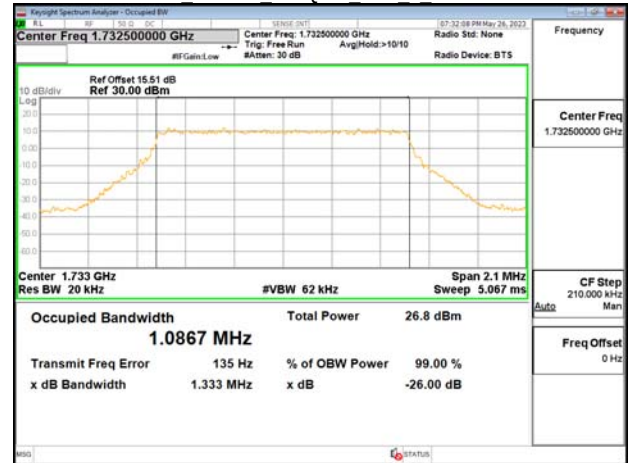
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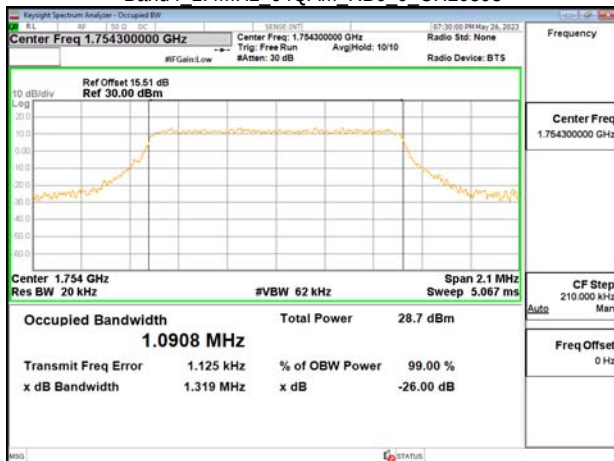
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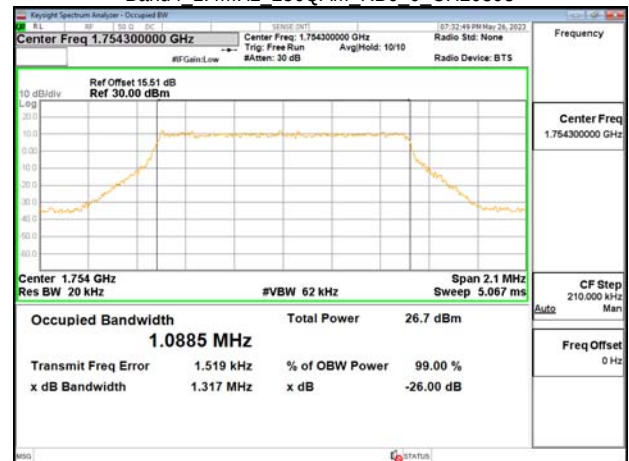
Band4 1.4MHz 256QAM RB6 0 CH20175



Band4 1.4MHz 64QAM RB6 0 CH20393



Band4 1.4MHz 256QAM RB6 0 CH20393



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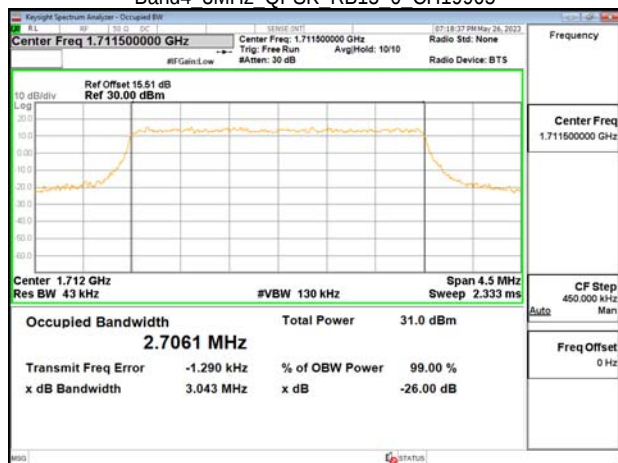
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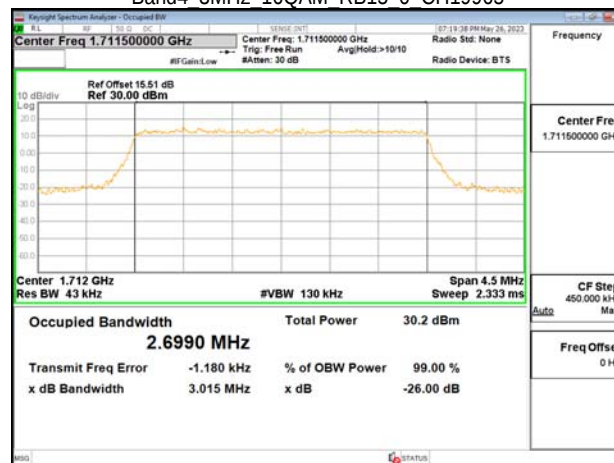
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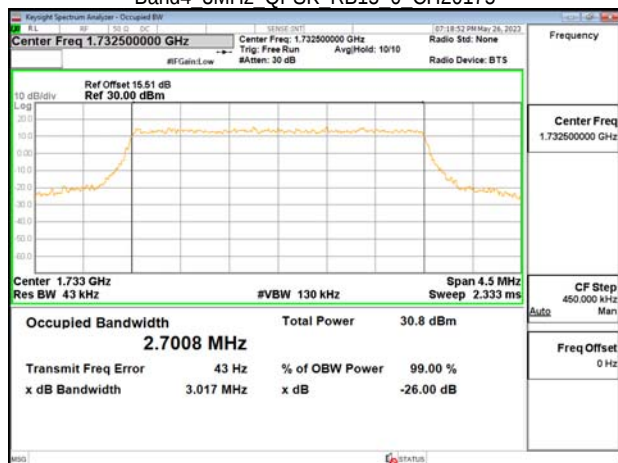
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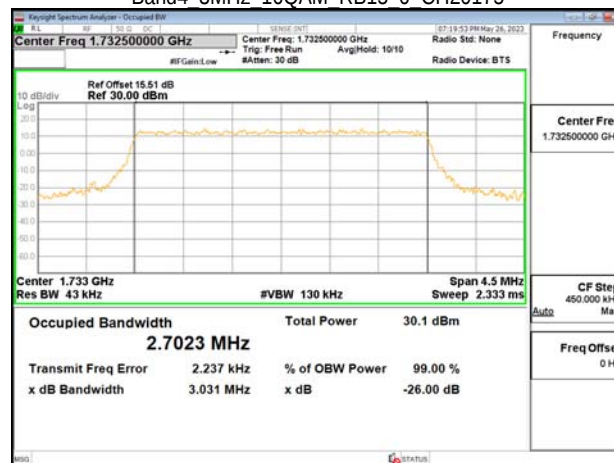
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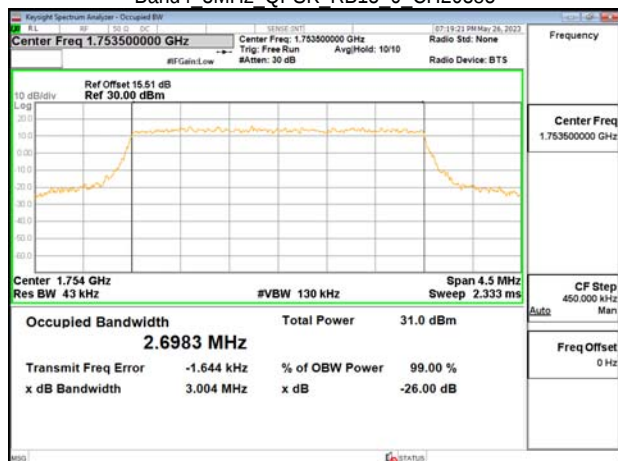
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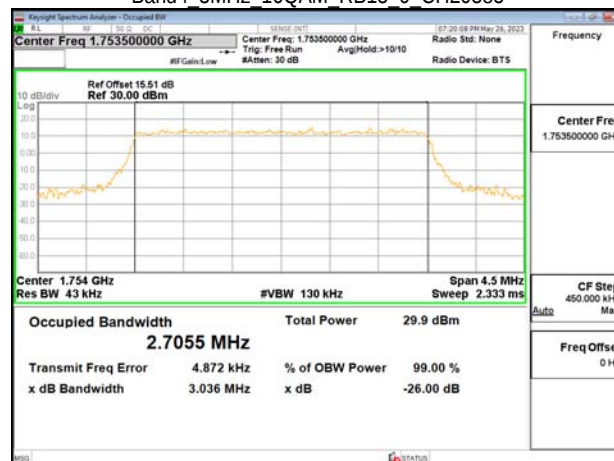
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Band4 3MHz QPSK RB15 0 CH20385



Band4 3MHz 16QAM RB15 0 CH20385



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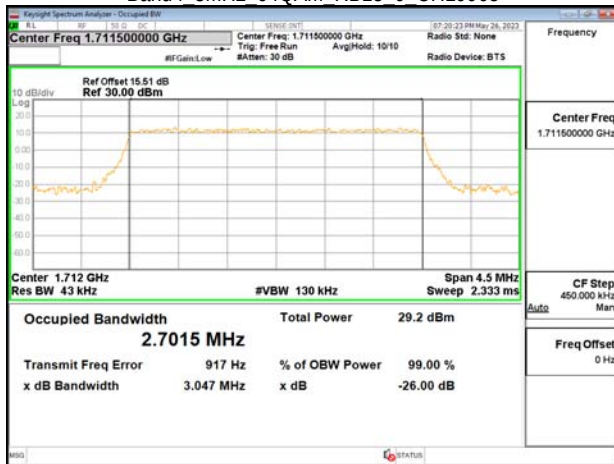
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f (886-2) 2298-0488

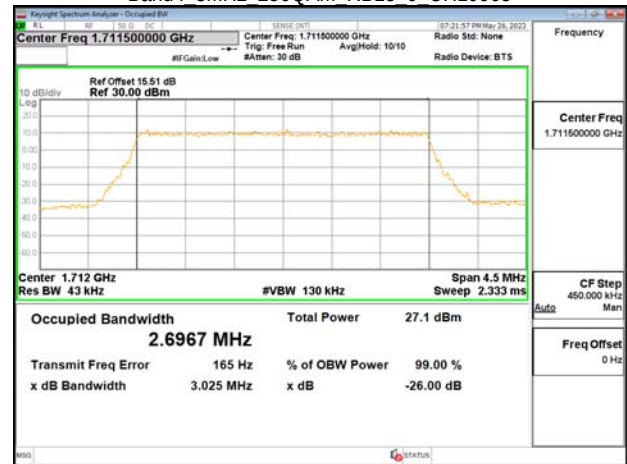
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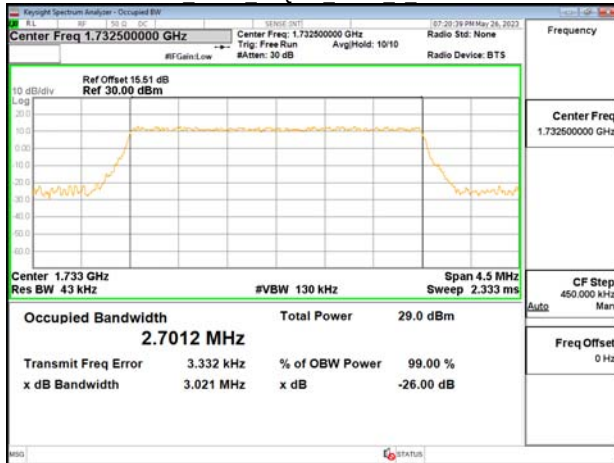
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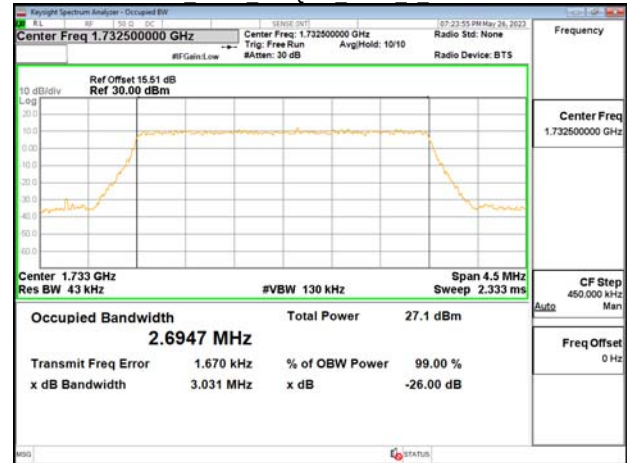
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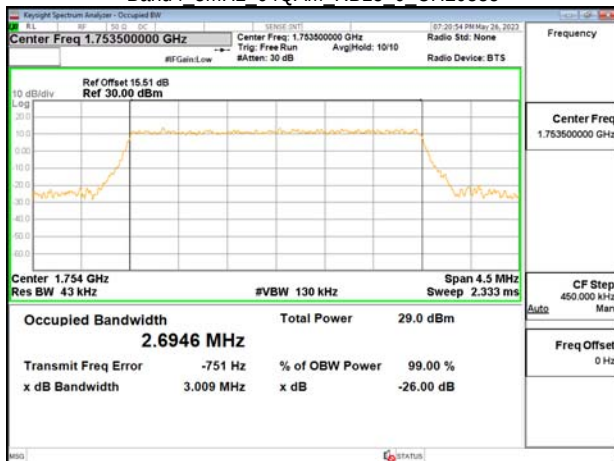
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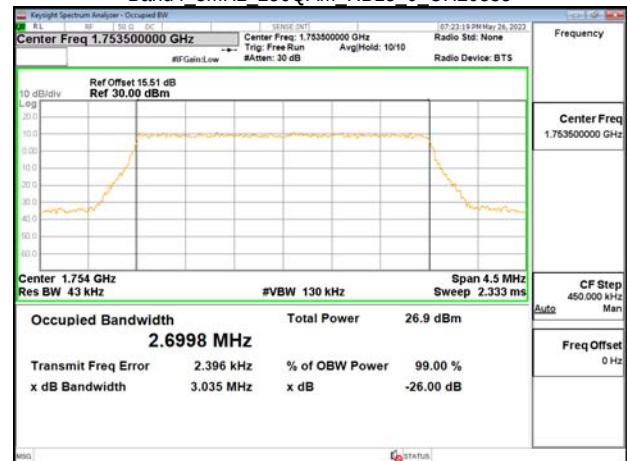
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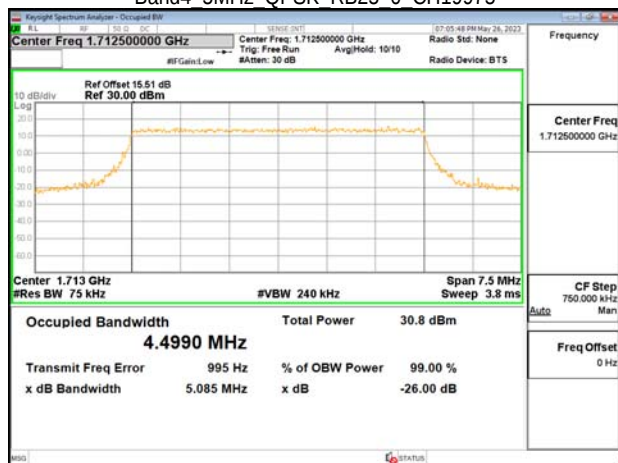
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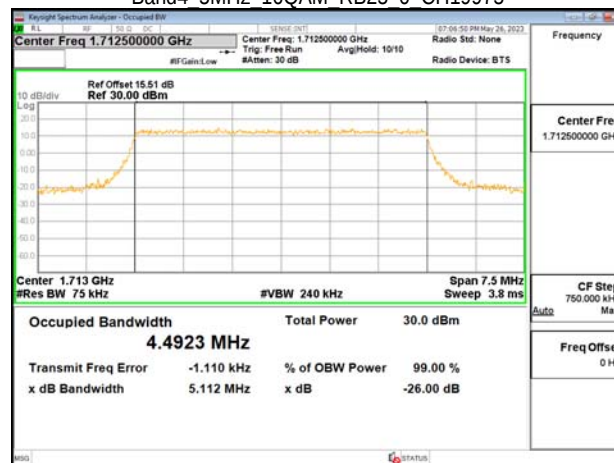
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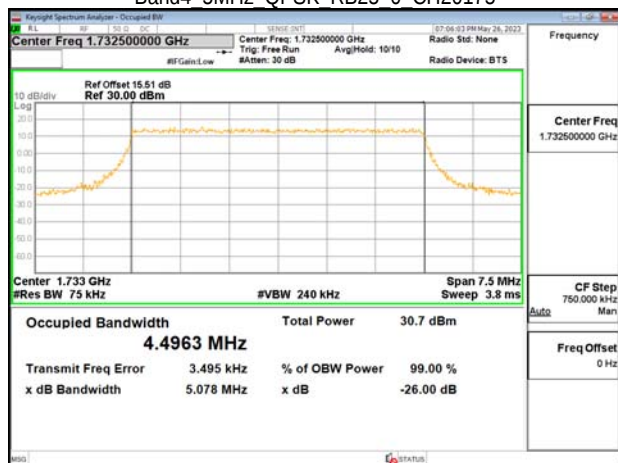
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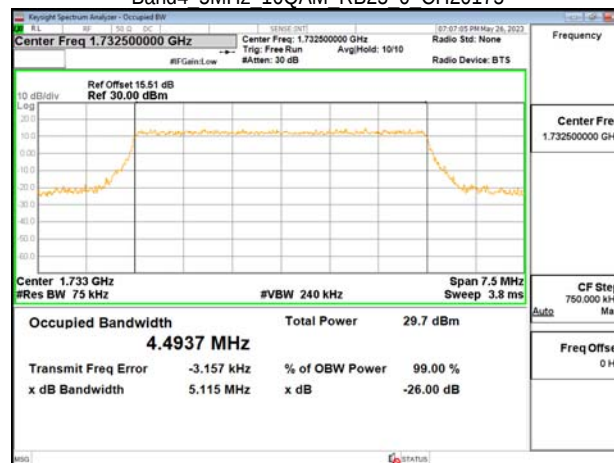
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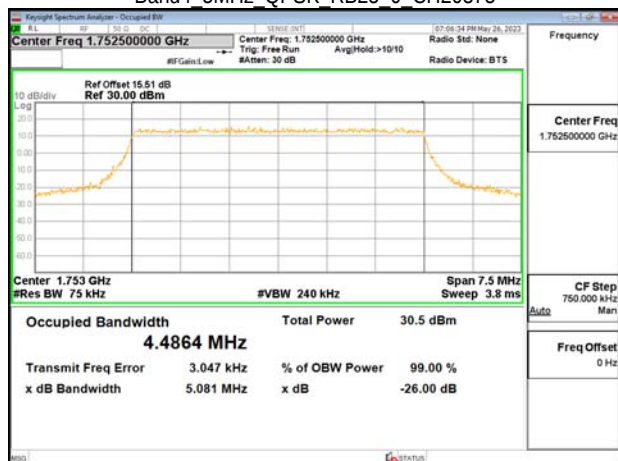
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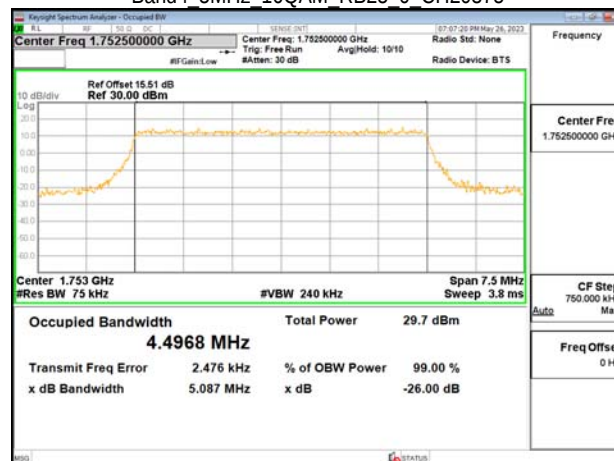
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Band4 5MHz 16QAM RB25 0 CH20375



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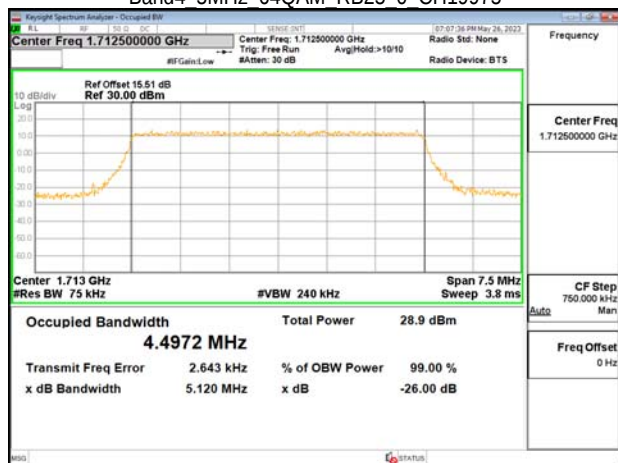
t (886-2) 2299-3279

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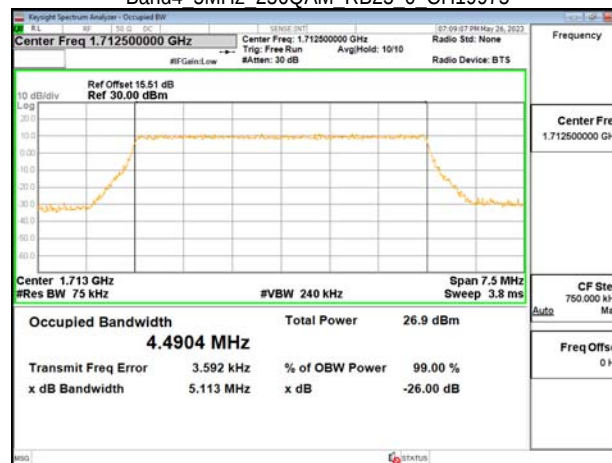
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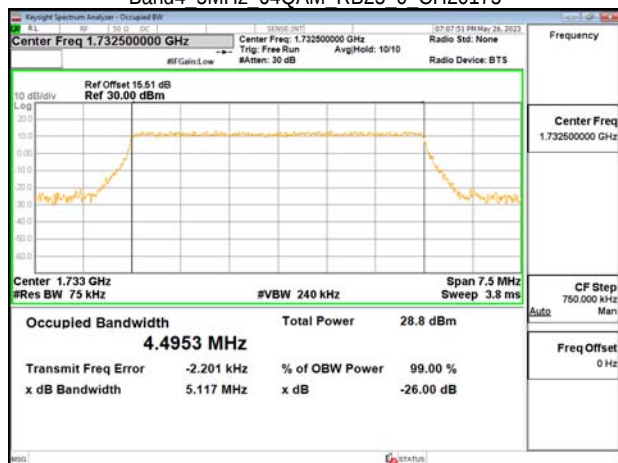
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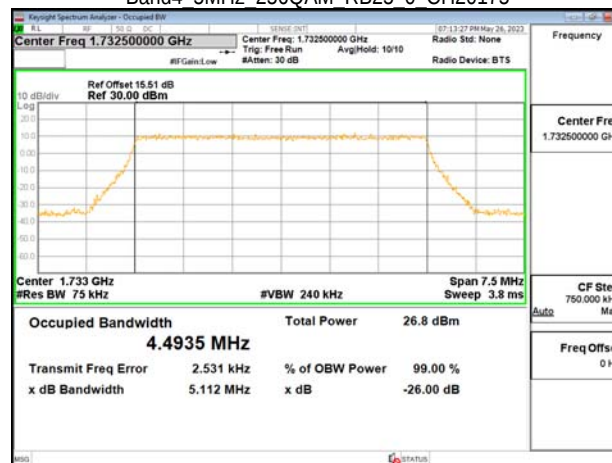
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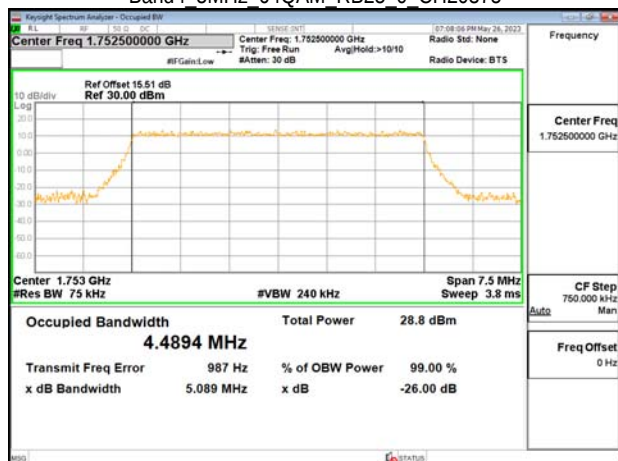
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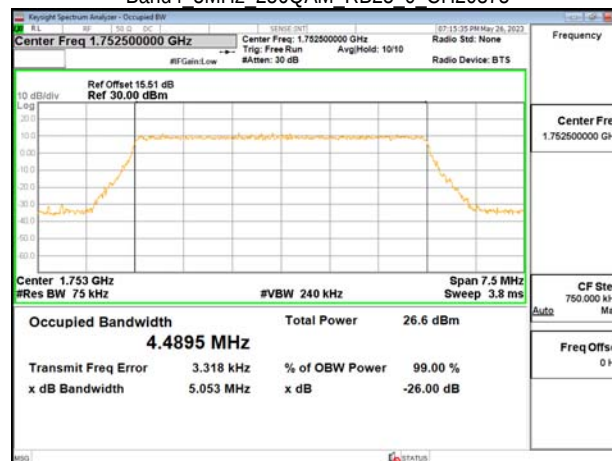
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Band4 5MHz 256QAM RB25 0 CH20375



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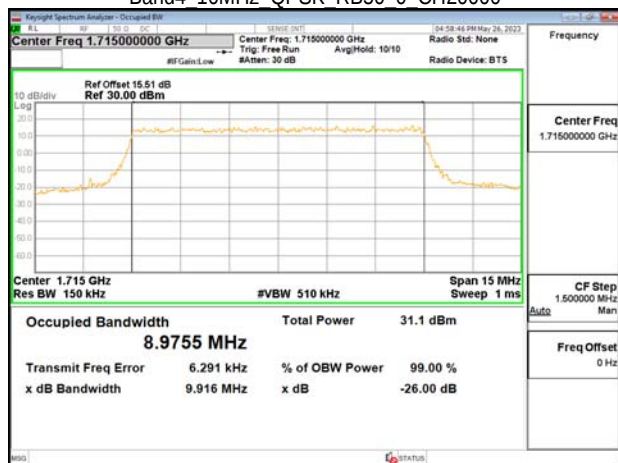
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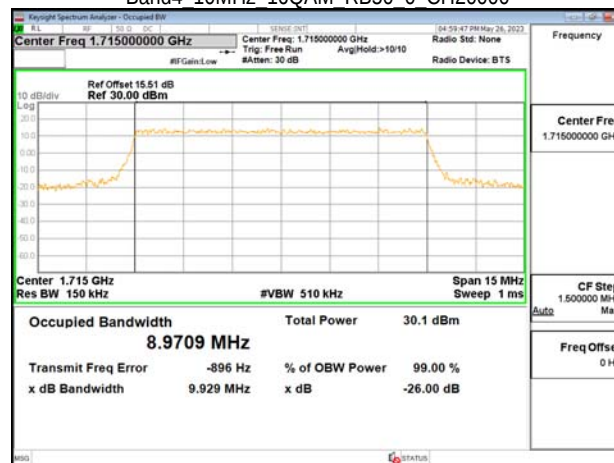
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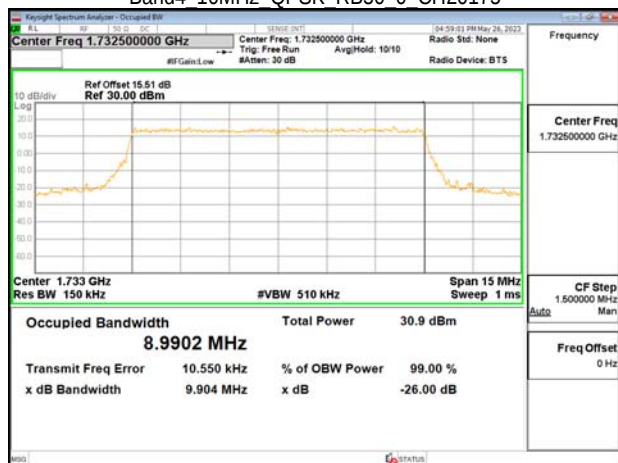
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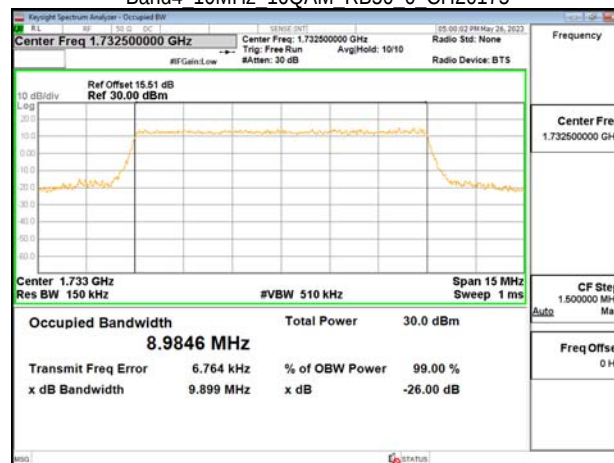
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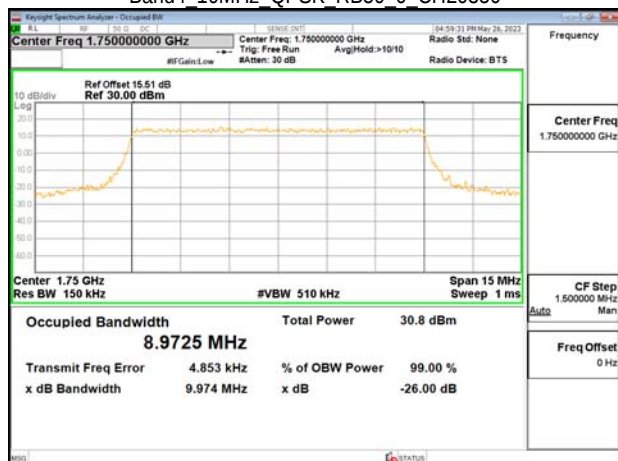
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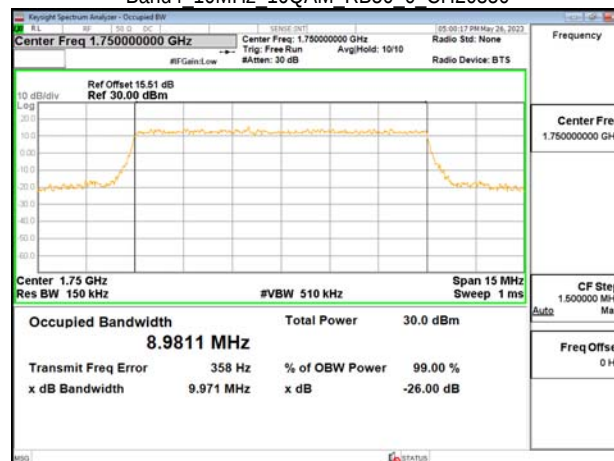
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Band4 10MHz QPSK RB50 0 CH20350



Band4 10MHz 16QAM RB50 0 CH20350



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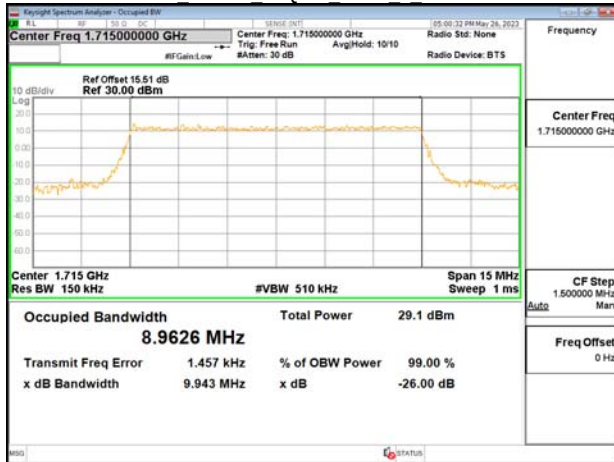
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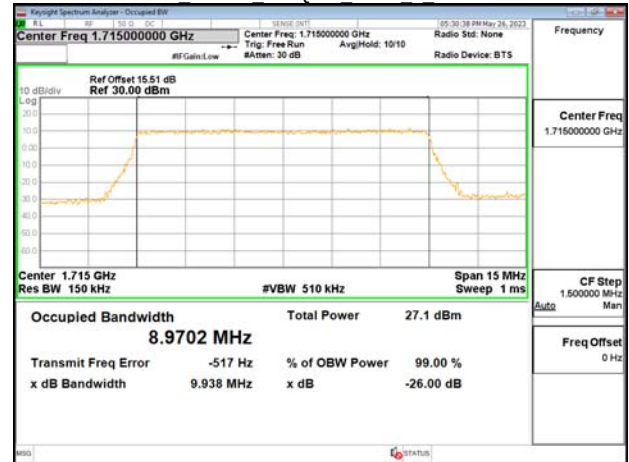
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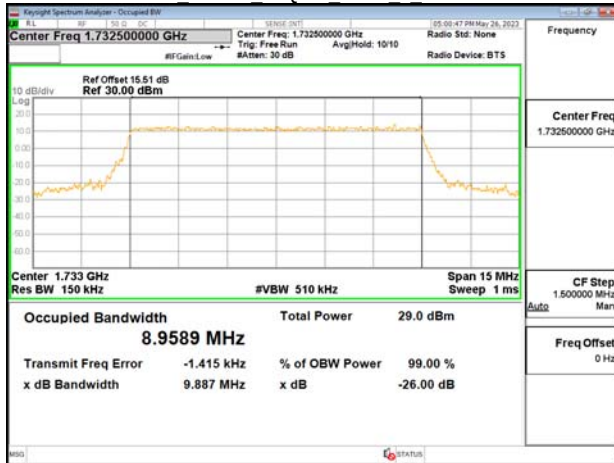
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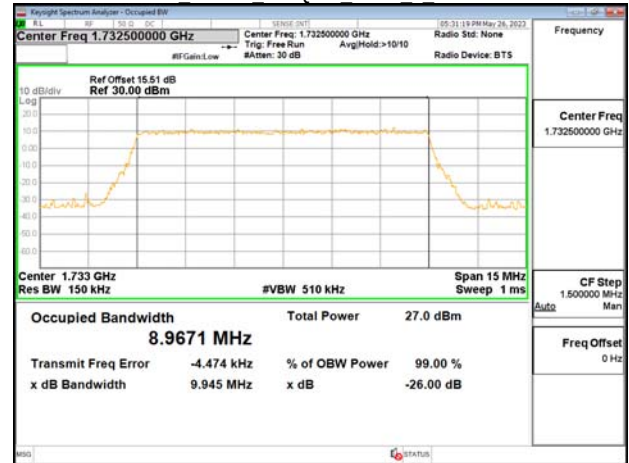
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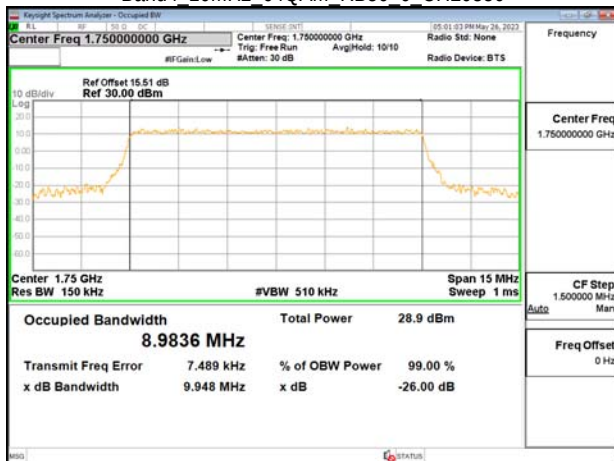
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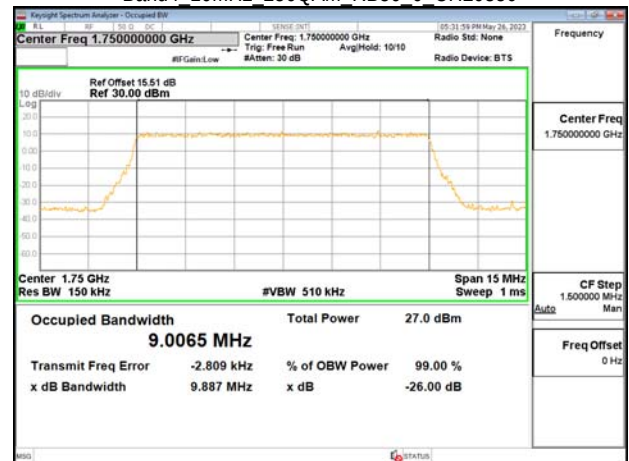
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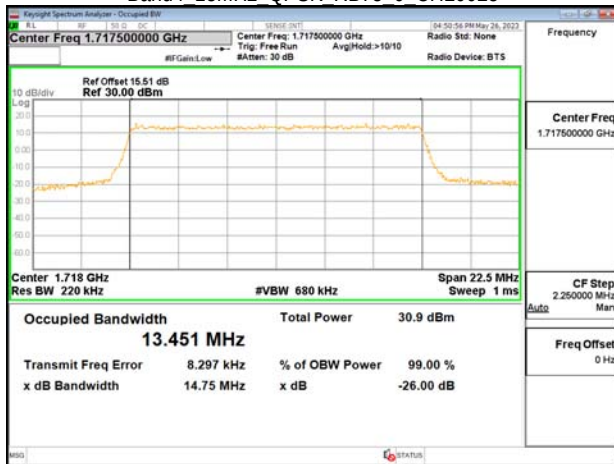


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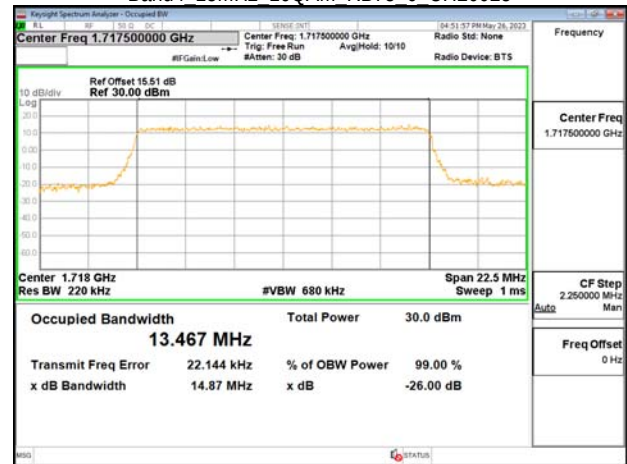
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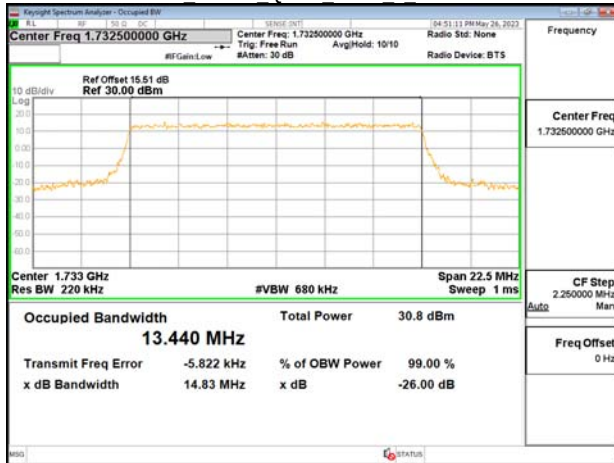
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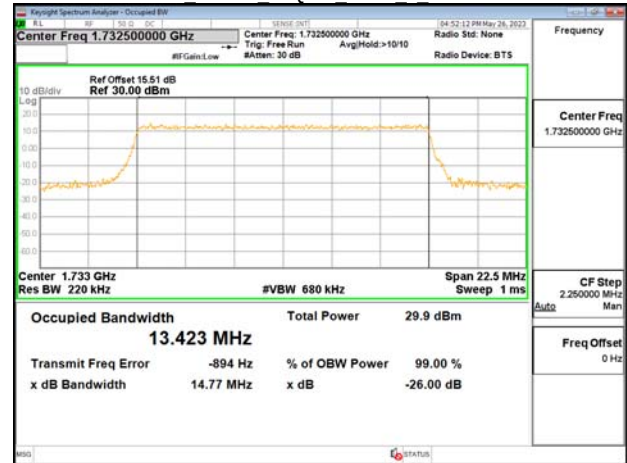
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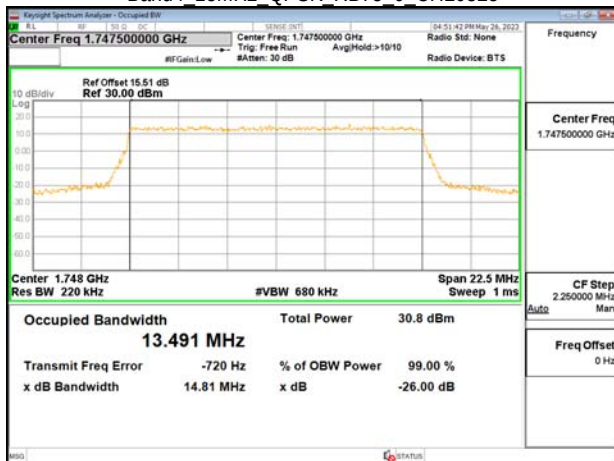
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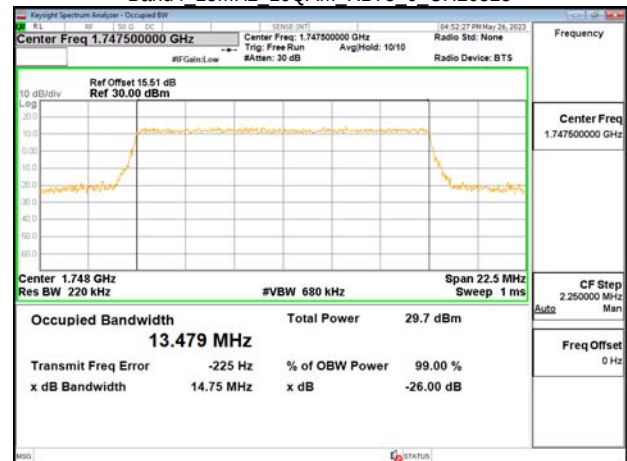
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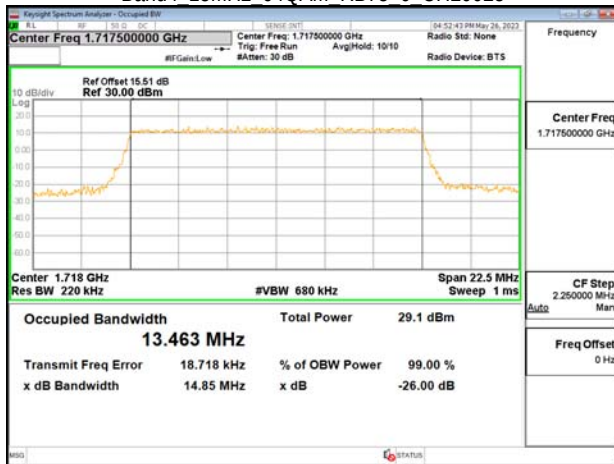
t (886-2) 2299-3279

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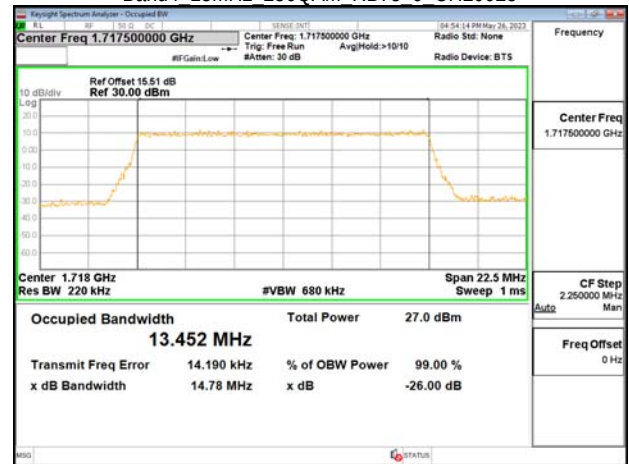
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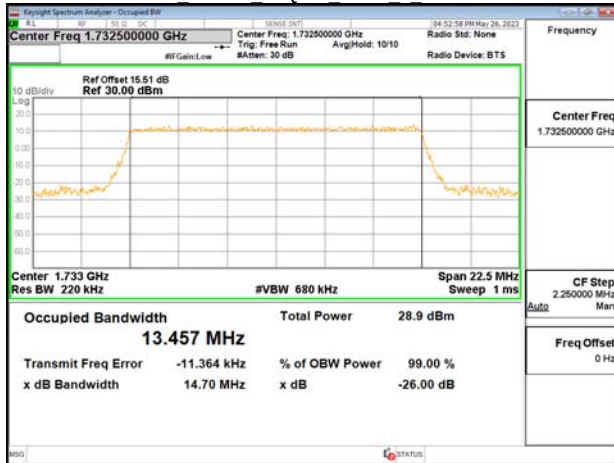
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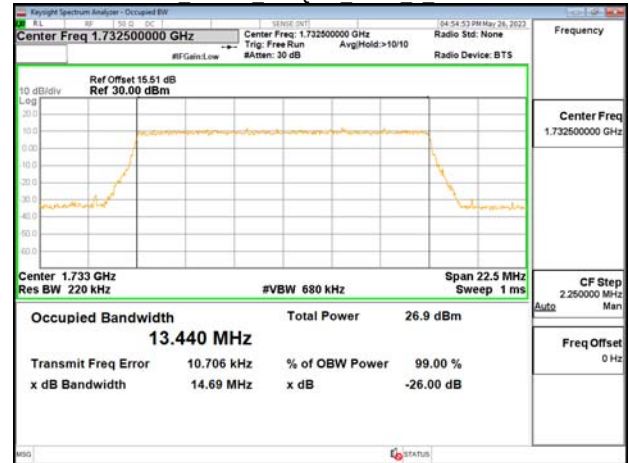
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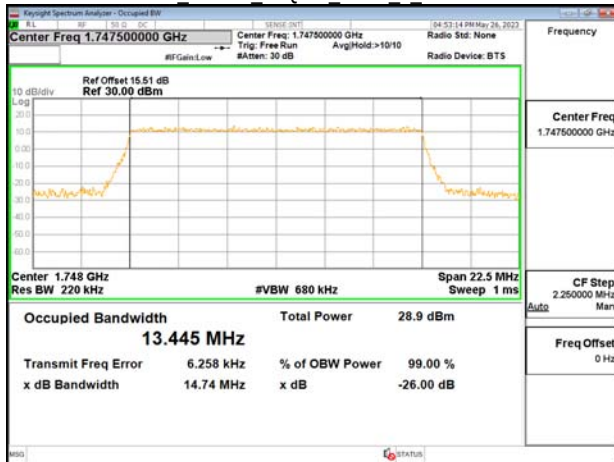
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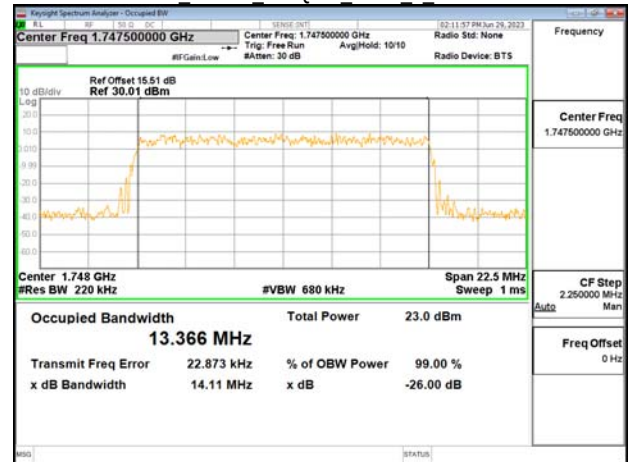
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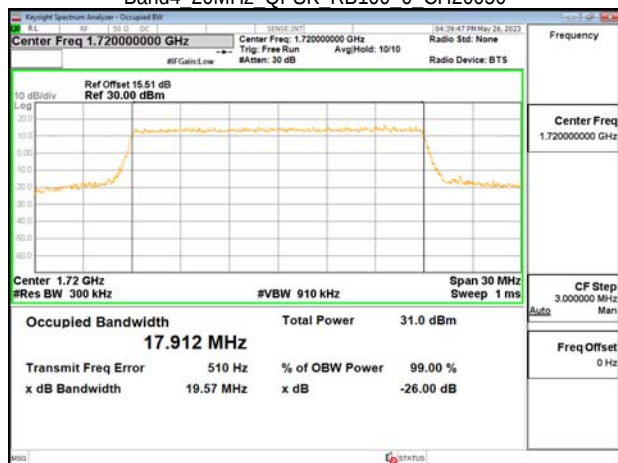
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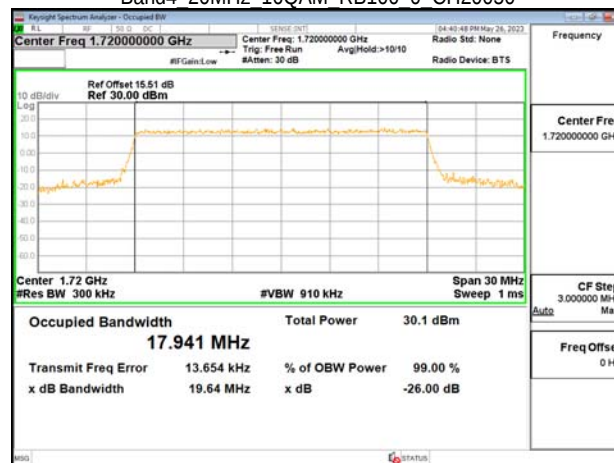
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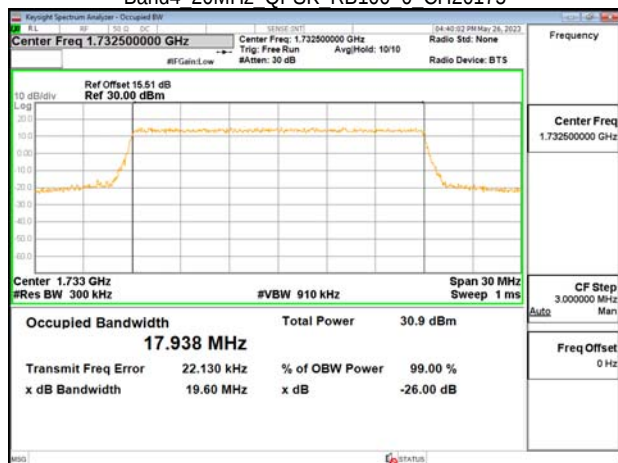
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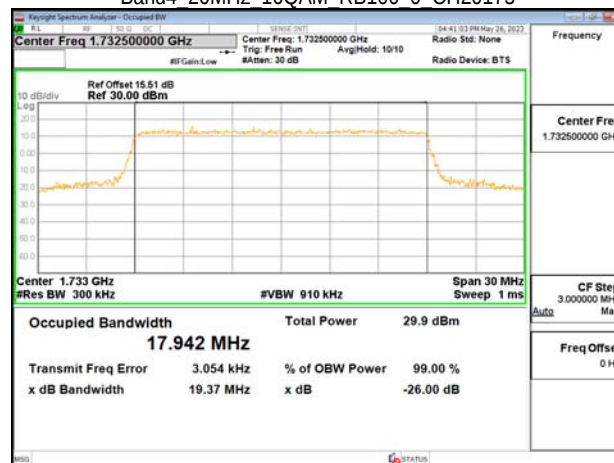
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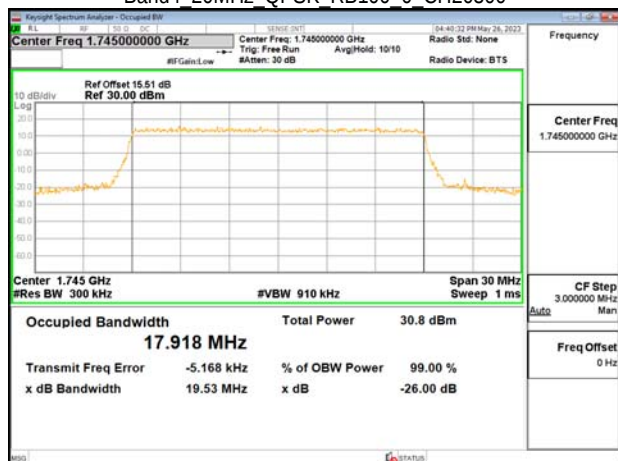
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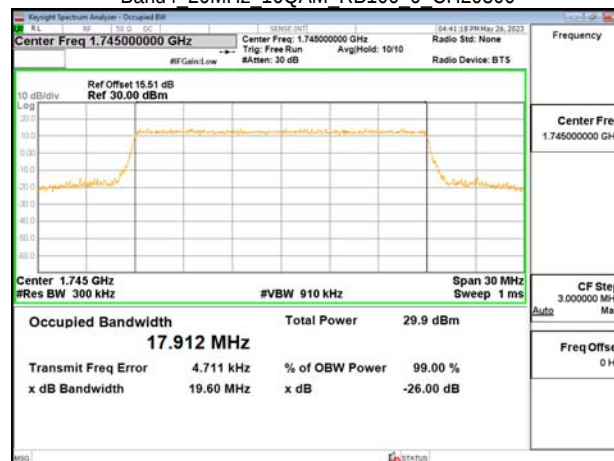
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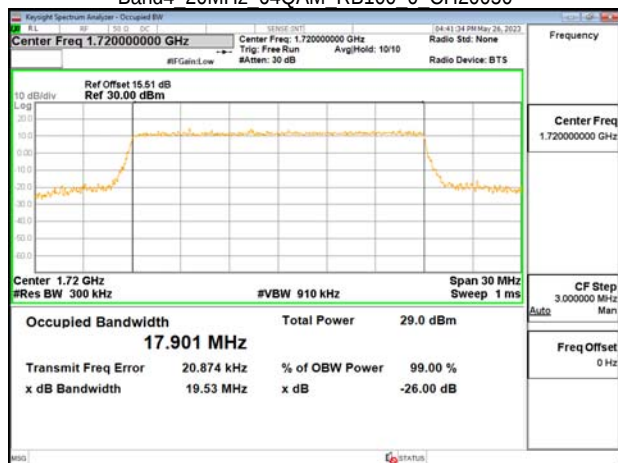
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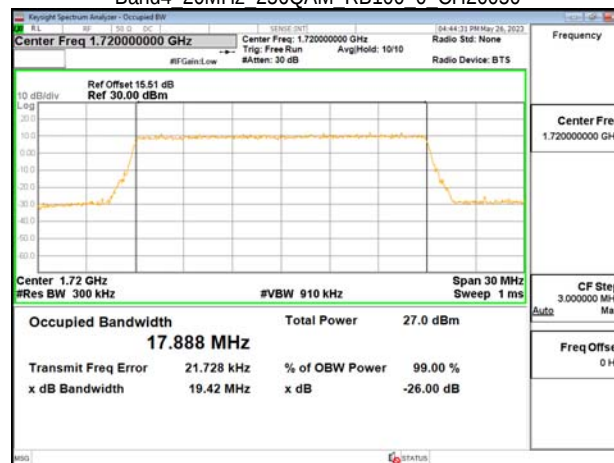
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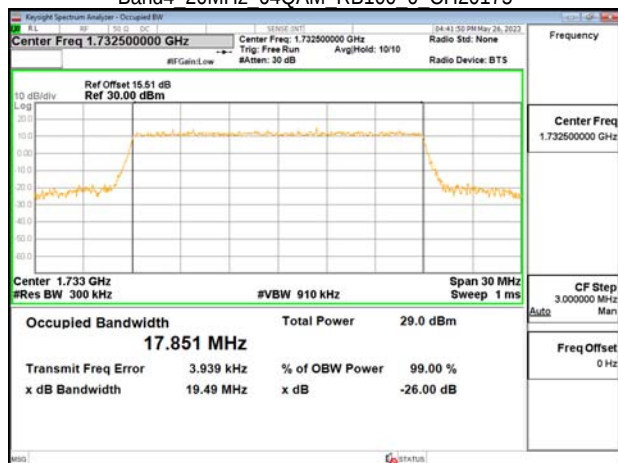
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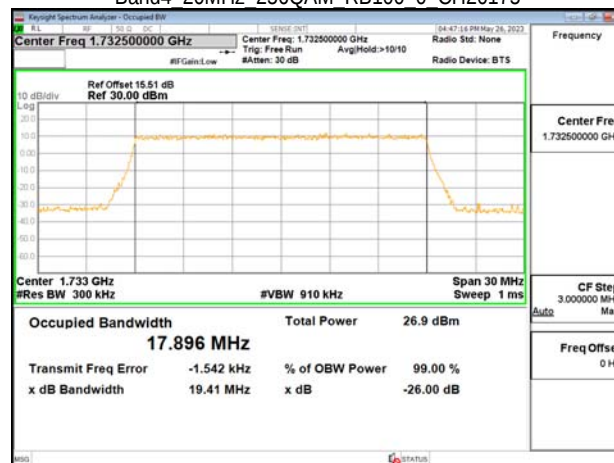
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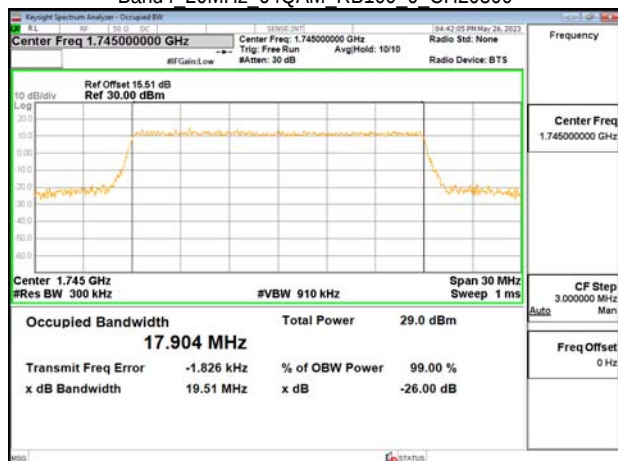
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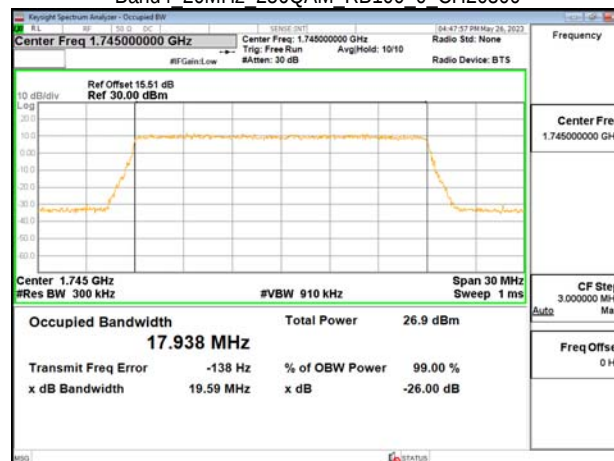
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Band4 20MHz 64QAM RB100 0 CH20300



Band4 20MHz 256QAM RB100 0 CH20300



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