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1 MAXIMUM OUTPUT POWER

Antenna gain (dBi)		2.98							
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	23.31	26.29	33	-6.71
				1	5	23.33	26.31	33	-6.69
				3	2	23.37	26.35	33	-6.65
				6	0	22.38	25.36	33	-7.64
	18900	1880	QPSK	1	0	22.74	25.72	33	-7.28
				1	5	22.75	25.73	33	-7.27
				3	2	22.52	25.50	33	-7.5
				6	0	21.79	24.77	33	-8.23
	19193	1909.3	QPSK	1	0	22.33	25.31	33	-7.69
				1	5	22.84	25.82	33	-7.18
				3	2	23.17	26.15	33	-6.85
				6	0	22.18	25.16	33	-7.84
1.4	18607	1850.7	16QAM	1	0	22.87	25.85	33	-7.15
				1	5	22.36	25.34	33	-7.66
				3	2	22.52	25.50	33	-7.5
				6	0	21.31	24.29	33	-8.71
	18900	1880	16QAM	1	0	22.14	25.12	33	-7.88
				1	5	22.22	25.20	33	-7.8
				3	2	21.78	24.76	33	-8.24
				6	0	20.92	23.90	33	-9.1
	19193	1909.3	16QAM	1	0	22.26	25.24	33	-7.76
				1	5	22.36	25.34	33	-7.66
				3	2	22.15	25.13	33	-7.87
				6	0	21.20	24.18	33	-8.82
1.4	18607	1850.7	64QAM	1	0	21.31	24.29	33	-8.71
				1	5	21.54	24.52	33	-8.48
				3	2	21.41	24.39	33	-8.61
				6	0	20.03	23.01	33	-9.99
	18900	1880	64QAM	1	0	20.71	23.69	33	-9.31
				1	5	20.75	23.73	33	-9.27
				3	2	20.97	23.95	33	-9.05
				6	0	19.65	22.63	33	-10.37
	19193	1909.3	64QAM	1	0	20.48	23.46	33	-9.54
				1	5	20.09	23.07	33	-9.93
				3	2	20.67	23.65	33	-9.35
				6	0	19.40	22.38	33	-10.62

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Antenna gain (dBi)		2.98							
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	23.29	26.27	33	-6.73
				1	14	23.32	26.30	33	-6.7
				8	4	22.53	25.51	33	-7.49
				15	0	22.45	25.43	33	-7.57
	18900	1880	QPSK	1	0	22.75	25.73	33	-7.27
				1	14	22.83	25.81	33	-7.19
				8	4	21.92	24.90	33	-8.1
				15	0	21.91	24.89	33	-8.11
	19185	1908.5	QPSK	1	0	22.86	25.84	33	-7.16
				1	14	22.98	25.96	33	-7.04
				8	4	22.31	25.29	33	-7.71
				15	0	22.21	25.19	33	-7.81
3	18615	1851.5	16QAM	1	0	22.31	25.29	33	-7.71
				1	14	22.62	25.60	33	-7.4
				8	4	21.59	24.57	33	-8.43
				15	0	21.47	24.45	33	-8.55
	18900	1880	16QAM	1	0	22.11	25.09	33	-7.91
				1	14	21.54	24.52	33	-8.48
				8	4	21.04	24.02	33	-8.98
				15	0	20.65	23.63	33	-9.37
	19185	1908.5	16QAM	1	0	22.49	25.47	33	-7.53
				1	14	22.57	25.55	33	-7.45
				8	4	21.37	24.35	33	-8.65
				15	0	21.29	24.27	33	-8.73
3	18615	1851.5	64QAM	1	0	21.48	24.46	33	-8.54
				1	14	21.00	23.98	33	-9.02
				8	4	20.59	23.57	33	-9.43
				15	0	20.49	23.47	33	-9.53
	18900	1880	64QAM	1	0	20.78	23.76	33	-9.24
				1	14	21.14	24.12	33	-8.88
				8	4	20.02	23.00	33	-10
				15	0	19.96	22.94	33	-10.06
	19185	1908.5	64QAM	1	0	20.81	23.79	33	-9.21
				1	14	20.70	23.68	33	-9.32
				8	4	19.80	22.78	33	-10.22
				15	0	19.75	22.73	33	-10.27

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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	23.44	26.42	33	-6.58
				1	24	23.30	26.28	33	-6.72
				12	6	22.43	25.41	33	-7.59
				25	0	22.43	25.41	33	-7.59
	18900	1880	QPSK	1	0	22.37	25.35	33	-7.65
				1	24	22.93	25.91	33	-7.09
				12	6	21.92	24.90	33	-8.1
				25	0	21.92	24.90	33	-8.1
	19175	1907.5	QPSK	1	0	22.56	25.54	33	-7.46
				1	24	23.22	26.20	33	-6.8
				12	6	22.24	25.22	33	-7.78
				25	0	22.22	25.20	33	-7.8
5	18625	1852.5	16QAM	1	0	22.72	25.70	33	-7.3
				1	24	21.71	24.69	33	-8.31
				12	6	21.42	24.40	33	-8.6
				25	0	21.50	24.48	33	-8.52
	18900	1880	16QAM	1	0	22.01	24.99	33	-8.01
				1	24	22.09	25.07	33	-7.93
				12	6	21.02	24.00	33	-9
				25	0	20.96	23.94	33	-9.06
	19175	1907.5	16QAM	1	0	21.87	24.85	33	-8.15
				1	24	22.33	25.31	33	-7.69
				12	6	21.36	24.34	33	-8.66
				25	0	21.25	24.23	33	-8.77
5	18625	1852.5	64QAM	1	0	20.85	23.83	33	-9.17
				1	24	21.73	24.71	33	-8.29
				12	6	20.47	23.45	33	-9.55
				25	0	20.47	23.45	33	-9.55
	18900	1880	64QAM	1	0	20.94	23.92	33	-9.08
				1	24	20.53	23.51	33	-9.49
				12	6	19.97	22.95	33	-10.05
				25	0	19.94	22.92	33	-10.08
	19175	1907.5	64QAM	1	0	20.50	23.48	33	-9.52
				1	24	20.68	23.66	33	-9.34
				12	6	19.66	22.64	33	-10.36
				25	0	19.56	22.54	33	-10.46

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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	23.45	26.43	33	-6.57
				1	49	23.25	26.23	33	-6.77
				25	12	22.40	25.38	33	-7.62
				50	0	22.37	25.35	33	-7.65
	18900	1880	QPSK	1	0	22.60	25.58	33	-7.42
				1	49	22.92	25.90	33	-7.1
				25	12	21.96	24.94	33	-8.06
				50	0	21.90	24.88	33	-8.12
	19150	1905	QPSK	1	0	22.81	25.79	33	-7.21
				1	49	23.07	26.05	33	-6.95
				25	12	22.21	25.19	33	-7.81
				50	0	22.08	25.06	33	-7.94
10	18650	1855	16QAM	1	0	21.98	24.96	33	-8.04
				1	49	22.18	25.16	33	-7.84
				25	12	21.41	24.39	33	-8.61
				50	0	21.41	24.39	33	-8.61
	18900	1880	16QAM	1	0	21.92	24.90	33	-8.1
				1	49	22.34	25.32	33	-7.68
				25	12	20.98	23.96	33	-9.04
				50	0	20.95	23.93	33	-9.07
	19150	1905	16QAM	1	0	21.29	24.27	33	-8.73
				1	49	22.03	25.01	33	-7.99
				25	12	21.18	24.16	33	-8.84
				50	0	21.18	24.16	33	-8.84
10	18650	1855	64QAM	1	0	21.22	24.20	33	-8.8
				1	49	21.10	24.08	33	-8.92
				25	12	20.43	23.41	33	-9.59
				50	0	20.40	23.38	33	-9.62
	18900	1880	64QAM	1	0	20.90	23.88	33	-9.12
				1	49	21.01	23.99	33	-9.01
				25	12	19.96	22.94	33	-10.06
				50	0	19.93	22.91	33	-10.09
	19150	1905	64QAM	1	0	19.80	22.78	33	-10.22
				1	49	20.70	23.68	33	-9.32
				25	12	19.37	22.35	33	-10.65
				50	0	19.25	22.23	33	-10.77

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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)
15	18675	1857.5	QPSK	1	0	23.44	26.42	33	-6.58
				1	74	22.94	25.92	33	-7.08
				36	18	22.35	25.33	33	-7.67
				75	0	22.36	25.34	33	-7.66
	18900	1880	QPSK	1	0	22.99	25.97	33	-7.03
				1	74	22.90	25.88	33	-7.12
				36	18	21.96	24.94	33	-8.06
				75	0	21.93	24.91	33	-8.09
	19125	1902.5	QPSK	1	0	22.69	25.67	33	-7.33
				1	74	22.99	25.97	33	-7.03
				36	18	21.62	24.60	33	-8.4
				75	0	21.71	24.69	33	-8.31
15	18675	1857.5	16QAM	1	0	22.30	25.28	33	-7.72
				1	74	22.43	25.41	33	-7.59
				36	18	21.36	24.34	33	-8.66
				75	0	21.35	24.33	33	-8.67
	18900	1880	16QAM	1	0	22.50	25.48	33	-7.52
				1	74	22.20	25.18	33	-7.82
				36	18	20.77	23.75	33	-9.25
				75	0	20.96	23.94	33	-9.06
	19125	1902.5	16QAM	1	0	22.27	25.25	33	-7.75
				1	74	21.86	24.84	33	-8.16
				36	18	21.12	24.10	33	-8.9
				75	0	21.10	24.08	33	-8.92
15	18675	1857.5	64QAM	1	0	21.18	24.16	33	-8.84
				1	74	21.22	24.20	33	-8.8
				36	18	20.38	23.36	33	-9.64
				75	0	20.31	23.29	33	-9.71
	18900	1880	64QAM	1	0	20.96	23.94	33	-9.06
				1	74	21.22	24.20	33	-8.8
				36	18	20.06	23.04	33	-9.96
				75	0	20.02	23.00	33	-10
	19125	1902.5	64QAM	1	0	20.37	23.35	33	-9.65
				1	74	20.54	23.52	33	-9.48
				36	18	19.25	22.23	33	-10.77
				75	0	19.26	22.24	33	-10.76

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20	18700	1860	QPSK	1	0	23.42	26.40	33	-6.6
				1	99	22.73	25.71	33	-7.29
				50	25	22.33	25.31	33	-7.69
				100	0	22.29	25.27	33	-7.73
	18900	1880	QPSK	1	0	22.40	25.38	33	-7.62
				1	99	22.71	25.69	33	-7.31
				50	25	21.94	24.92	33	-8.08
				100	0	21.97	24.95	33	-8.05
	19100	1900	QPSK	1	0	22.84	25.82	33	-7.18
				1	99	23.14	26.12	33	-6.88
				50	25	22.03	25.01	33	-7.99
				100	0	21.49	24.47	33	-8.53
20	18700	1860	16QAM	1	0	22.61	25.59	33	-7.41
				1	99	22.55	25.53	33	-7.47
				50	25	21.34	24.32	33	-8.68
				100	0	21.34	24.32	33	-8.68
	18900	1880	16QAM	1	0	21.84	24.82	33	-8.18
				1	99	22.15	25.13	33	-7.87
				50	25	21.00	23.98	33	-9.02
				100	0	20.97	23.95	33	-9.05
	19100	1900	16QAM	1	0	21.76	24.74	33	-8.26
				1	99	21.85	24.83	33	-8.17
				50	25	21.14	24.12	33	-8.88
				100	0	21.11	24.09	33	-8.91
20	18700	1860	64QAM	1	0	21.56	24.54	33	-8.46
				1	99	20.78	23.76	33	-9.24
				50	25	20.34	23.32	33	-9.68
				100	0	20.13	23.11	33	-9.89
	18900	1880	64QAM	1	0	21.26	24.24	33	-8.76
				1	99	21.14	24.12	33	-8.88
				50	25	20.00	22.98	33	-10.02
				100	0	19.95	22.93	33	-10.07
	19100	1900	64QAM	1	0	20.75	23.73	33	-9.27
				1	99	20.73	23.71	33	-9.29
				50	25	19.26	22.24	33	-10.76
				100	0	19.32	22.30	33	-10.7

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Member of SGS Group

Antenna gain (dBi)		2.16							
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	22.73	24.89	30	-5.11
				1	5	23.26	25.42	30	-4.58
				3	2	23.30	25.46	30	-4.54
				6	0	22.33	24.49	30	-5.51
	20175	1732.5	QPSK	1	0	23.28	25.44	30	-4.56
				1	5	23.31	25.47	30	-4.53
				3	2	23.33	25.49	30	-4.51
				6	0	22.38	24.54	30	-5.46
	20393	1754.3	QPSK	1	0	22.92	25.08	30	-4.92
				1	5	22.95	25.11	30	-4.89
				3	2	23.08	25.24	30	-4.76
				6	0	22.06	24.22	30	-5.78
1.4	19957	1710.7	16QAM	1	0	22.60	24.76	30	-5.24
				1	5	22.65	24.81	30	-5.19
				3	2	21.91	24.07	30	-5.93
				6	0	21.43	23.59	30	-6.41
	20175	1732.5	16QAM	1	0	22.16	24.32	30	-5.68
				1	5	22.14	24.30	30	-5.7
				3	2	22.41	24.57	30	-5.43
				6	0	21.48	23.64	30	-6.36
	20393	1754.3	16QAM	1	0	22.14	24.30	30	-5.7
				1	5	22.17	24.33	30	-5.67
				3	2	22.15	24.31	30	-5.69
				6	0	21.17	23.33	30	-6.67
1.4	19957	1710.7	64QAM	1	0	21.24	23.40	30	-6.6
				1	5	20.98	23.14	30	-6.86
				3	2	21.10	23.26	30	-6.74
				6	0	20.10	22.26	30	-7.74
	20175	1732.5	64QAM	1	0	21.56	23.72	30	-6.28
				1	5	21.01	23.17	30	-6.83
				3	2	21.40	23.56	30	-6.44
				6	0	20.23	22.39	30	-7.61
	20393	1754.3	64QAM	1	0	20.72	22.88	30	-7.12
				1	5	21.46	23.62	30	-6.38
				3	2	21.03	23.19	30	-6.81
				6	0	20.17	22.33	30	-7.67

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Antenna gain (dBi)		2.16							
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	23.33	25.49	30	-4.51
				1	14	23.36	25.52	30	-4.48
				8	4	22.44	24.60	30	-5.4
				15	0	22.41	24.57	30	-5.43
	20175	1732.5	QPSK	1	0	23.32	25.48	30	-4.52
				1	14	23.32	25.48	30	-4.52
				8	4	22.52	24.68	30	-5.32
				15	0	22.43	24.59	30	-5.41
	20385	1753.5	QPSK	1	0	22.59	24.75	30	-5.25
				1	14	22.66	24.82	30	-5.18
				8	4	22.22	24.38	30	-5.62
				15	0	22.18	24.34	30	-5.66
3	19965	1711.5	16QAM	1	0	22.76	24.92	30	-5.08
				1	14	22.59	24.75	30	-5.25
				8	4	21.46	23.62	30	-6.38
				15	0	21.50	23.66	30	-6.34
	20175	1732.5	16QAM	1	0	22.42	24.58	30	-5.42
				1	14	22.47	24.63	30	-5.37
				8	4	21.32	23.48	30	-6.52
				15	0	21.47	23.63	30	-6.37
	20385	1753.5	16QAM	1	0	21.96	24.12	30	-5.88
				1	14	21.93	24.09	30	-5.91
				8	4	21.30	23.46	30	-6.54
				15	0	21.22	23.38	30	-6.62
3	19965	1711.5	64QAM	1	0	20.76	22.92	30	-7.08
				1	14	21.22	23.38	30	-6.62
				8	4	20.34	22.50	30	-7.5
				15	0	20.29	22.45	30	-7.55
	20175	1732.5	64QAM	1	0	21.34	23.50	30	-6.5
				1	14	21.22	23.38	30	-6.62
				8	4	20.39	22.55	30	-7.45
				15	0	20.47	22.63	30	-7.37
	20385	1753.5	64QAM	1	0	21.25	23.41	30	-6.59
				1	14	21.25	23.41	30	-6.59
				8	4	20.06	22.22	30	-7.78
				15	0	20.22	22.38	30	-7.62

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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	19975	1712.5	QPSK	1	0	23.28	25.44	30	-4.56
				1	24	23.39	25.55	30	-4.45
				12	6	22.46	24.62	30	-5.38
				25	0	22.44	24.60	30	-5.4
	20175	1732.5	QPSK	1	0	23.35	25.51	30	-4.49
				1	24	23.36	25.52	30	-4.48
				12	6	22.45	24.61	30	-5.39
				25	0	22.46	24.62	30	-5.38
	20375	1752.5	QPSK	1	0	23.03	25.19	30	-4.81
				1	24	23.02	25.18	30	-4.82
				12	6	22.23	24.39	30	-5.61
				25	0	22.22	24.38	30	-5.62
5	19975	1712.5	16QAM	1	0	22.26	24.42	30	-5.58
				1	24	22.39	24.55	30	-5.45
				12	6	21.55	23.71	30	-6.29
				25	0	21.48	23.64	30	-6.36
	20175	1732.5	16QAM	1	0	22.96	25.12	30	-4.88
				1	24	22.87	25.03	30	-4.97
				12	6	21.51	23.67	30	-6.33
				25	0	21.44	23.60	30	-6.4
	20375	1752.5	16QAM	1	0	22.57	24.73	30	-5.27
				1	24	22.24	24.40	30	-5.6
				12	6	21.28	23.44	30	-6.56
				25	0	21.24	23.40	30	-6.6
5	19975	1712.5	64QAM	1	0	21.04	23.20	30	-6.8
				1	24	21.39	23.55	30	-6.45
				12	6	20.27	22.43	30	-7.57
				25	0	20.20	22.36	30	-7.64
	20175	1732.5	64QAM	1	0	21.70	23.86	30	-6.14
				1	24	21.74	23.90	30	-6.1
				12	6	20.52	22.68	30	-7.32
				25	0	20.45	22.61	30	-7.39
	20375	1752.5	64QAM	1	0	21.20	23.36	30	-6.64
				1	24	21.36	23.52	30	-6.48
				12	6	20.28	22.44	30	-7.56
				25	0	20.27	22.43	30	-7.57

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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)
10	20000	1715	QPSK	1	0	23.40	25.56	30	-4.44
				1	49	23.34	25.50	30	-4.5
				25	12	22.46	24.62	30	-5.38
				50	0	22.43	24.59	30	-5.41
	20175	1732.5	QPSK	1	0	23.45	25.61	30	-4.39
				1	49	23.32	25.48	30	-4.52
				25	12	22.44	24.60	30	-5.4
				50	0	22.43	24.59	30	-5.41
	20350	1750	QPSK	1	0	23.00	25.16	30	-4.84
				1	49	23.06	25.22	30	-4.78
				25	12	22.31	24.47	30	-5.53
				50	0	22.26	24.42	30	-5.58
10	20000	1715	16QAM	1	0	22.67	24.83	30	-5.17
				1	49	22.62	24.78	30	-5.22
				25	12	21.47	23.63	30	-6.37
				50	0	21.42	23.58	30	-6.42
	20175	1732.5	16QAM	1	0	22.85	25.01	30	-4.99
				1	49	22.39	24.55	30	-5.45
				25	12	21.46	23.62	30	-6.38
				50	0	21.43	23.59	30	-6.41
	20350	1750	16QAM	1	0	22.60	24.76	30	-5.24
				1	49	21.70	23.86	30	-6.14
				25	12	21.33	23.49	30	-6.51
				50	0	21.26	23.42	30	-6.58
10	20000	1715	64QAM	1	0	20.89	23.05	30	-6.95
				1	49	21.38	23.54	30	-6.46
				25	12	20.31	22.47	30	-7.53
				50	0	20.17	22.33	30	-7.67
	20175	1732.5	64QAM	1	0	21.47	23.63	30	-6.37
				1	49	21.66	23.82	30	-6.18
				25	12	20.49	22.65	30	-7.35
				50	0	20.46	22.62	30	-7.38
	20350	1750	64QAM	1	0	20.68	22.84	30	-7.16
				1	49	21.08	23.24	30	-6.76
				25	12	20.30	22.46	30	-7.54
				50	0	20.32	22.48	30	-7.52

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Antenna gain (dBi)		2.16							
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)
15	20025	1717.5	QPSK	1	0	23.33	25.49	30	-4.51
				1	74	22.71	24.87	30	-5.13
				36	18	22.47	24.63	30	-5.37
				75	0	22.48	24.64	30	-5.36
	20175	1732.5	QPSK	1	0	23.60	25.76	30	-4.24
				1	74	23.25	25.41	30	-4.59
				36	18	22.43	24.59	30	-5.41
				75	0	22.42	24.58	30	-5.42
	20325	1747.5	QPSK	1	0	23.32	25.48	30	-4.52
				1	74	22.05	24.21	30	-5.79
				36	18	22.28	24.44	30	-5.56
				75	0	22.31	24.47	30	-5.53
15	20025	1717.5	16QAM	1	0	22.73	24.89	30	-5.11
				1	74	22.15	24.31	30	-5.69
				36	18	21.49	23.65	30	-6.35
				75	0	21.47	23.63	30	-6.37
	20175	1732.5	16QAM	1	0	22.29	24.45	30	-5.55
				1	74	21.79	23.95	30	-6.05
				36	18	21.41	23.57	30	-6.43
				75	0	21.43	23.59	30	-6.41
	20325	1747.5	16QAM	1	0	22.48	24.64	30	-5.36
				1	74	22.25	24.41	30	-5.59
				36	18	21.27	23.43	30	-6.57
				75	0	21.30	23.46	30	-6.54
15	20025	1717.5	64QAM	1	0	21.11	23.27	30	-6.73
				1	74	21.00	23.16	30	-6.84
				36	18	20.54	22.70	30	-7.3
				75	0	20.42	22.58	30	-7.42
	20175	1732.5	64QAM	1	0	21.08	23.24	30	-6.76
				1	74	20.72	22.88	30	-7.12
				36	18	20.45	22.61	30	-7.39
				75	0	20.43	22.59	30	-7.41
	20325	1747.5	64QAM	1	0	21.54	23.70	30	-6.3
				1	74	20.96	23.12	30	-6.88
				36	18	20.31	22.47	30	-7.53
				75	0	20.32	22.48	30	-7.52

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Antenna gain (dBi)		2.16							
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)
20	20050	1720	QPSK	1	0	23.42	25.58	30	-4.42
				1	99	23.16	25.32	30	-4.68
				50	25	22.51	24.67	30	-5.33
				100	0	22.49	24.65	30	-5.35
	20175	1732.5	QPSK	1	0	23.47	25.63	30	-4.37
				1	99	23.12	25.28	30	-4.72
				50	25	22.45	24.61	30	-5.39
				100	0	22.41	24.57	30	-5.43
	20300	1745	QPSK	1	0	23.38	25.54	30	-4.46
				1	99	22.62	24.78	30	-5.22
				50	25	22.36	24.52	30	-5.48
				100	0	22.31	24.47	30	-5.53
20	20050	1720	16QAM	1	0	22.75	24.91	30	-5.09
				1	99	22.34	24.50	30	-5.5
				50	25	21.46	23.62	30	-6.38
				100	0	21.51	23.67	30	-6.33
	20175	1732.5	16QAM	1	0	22.58	24.74	30	-5.26
				1	99	22.34	24.50	30	-5.5
				50	25	21.42	23.58	30	-6.42
				100	0	21.43	23.59	30	-6.41
	20300	1745	16QAM	1	0	22.47	24.63	30	-5.37
				1	99	22.08	24.24	30	-5.76
				50	25	21.35	23.51	30	-6.49
				100	0	21.35	23.51	30	-6.49
20	20050	1720	64QAM	1	0	21.39	23.55	30	-6.45
				1	99	20.92	23.08	30	-6.92
				50	25	20.54	22.70	30	-7.3
				100	0	20.58	22.74	30	-7.26
	20175	1732.5	64QAM	1	0	21.05	23.21	30	-6.79
				1	99	20.54	22.70	30	-7.3
				50	25	20.47	22.63	30	-7.37
				100	0	20.46	22.62	30	-7.38
	20300	1745	64QAM	1	0	21.71	23.87	30	-6.13
				1	99	20.98	23.14	30	-6.86
				50	25	20.38	22.54	30	-7.46
				100	0	20.40	22.56	30	-7.44

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Antenna gain (dBi)		1.05								
LTE Band 5_Uplink frequency band : 824 to 849 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
1.4	20407	824.7	QPSK	1	0	22.37	23.42	21.27	38.45	-17.18
				1	5	22.29	23.34	21.19	38.45	-17.26
				3	2	22.46	23.51	21.36	38.45	-17.09
				6	0	21.47	22.52	20.37	38.45	-18.08
	20525	836.5	QPSK	1	0	22.31	23.36	21.21	38.45	-17.24
				1	5	22.30	23.35	21.20	38.45	-17.25
				3	2	22.42	23.47	21.32	38.45	-17.13
				6	0	21.47	22.52	20.37	38.45	-18.08
	20643	848.3	QPSK	1	0	22.54	23.59	21.44	38.45	-17.01
				1	5	22.84	23.89	21.74	38.45	-16.71
				3	2	22.68	23.73	21.58	38.45	-16.87
				6	0	21.88	22.93	20.78	38.45	-17.67
1.4	20407	824.7	16QAM	1	0	21.65	22.70	20.55	38.45	-17.90
				1	5	21.28	22.33	20.18	38.45	-18.27
				3	2	21.65	22.70	20.55	38.45	-17.90
				6	0	20.58	21.63	19.48	38.45	-18.97
	20525	836.5	16QAM	1	0	21.01	22.06	19.91	38.45	-18.54
				1	5	21.89	22.94	20.79	38.45	-17.66
				3	2	21.31	22.36	20.21	38.45	-18.24
				6	0	20.24	21.29	19.14	38.45	-19.31
	20643	848.3	16QAM	1	0	22.30	23.35	21.20	38.45	-17.25
				1	5	22.11	23.16	21.01	38.45	-17.44
				3	2	22.19	23.24	21.09	38.45	-17.36
				6	0	20.82	21.87	19.72	38.45	-18.73
1.4	20407	824.7	64QAM	1	0	20.67	21.72	19.57	38.45	-18.88
				1	5	20.37	21.42	19.27	38.45	-19.18
				3	2	20.82	21.87	19.72	38.45	-18.73
				6	0	19.14	20.19	18.04	38.45	-20.41
	20525	836.5	64QAM	1	0	20.19	21.24	19.09	38.45	-19.36
				1	5	20.64	21.69	19.54	38.45	-18.91
				3	2	20.32	21.37	19.22	38.45	-19.23
				6	0	19.46	20.51	18.36	38.45	-20.09
	20643	848.3	64QAM	1	0	20.78	21.83	19.68	38.45	-18.77
				1	5	21.20	22.25	20.10	38.45	-18.35
				3	2	20.85	21.90	19.75	38.45	-18.70
				6	0	20.08	21.13	18.98	38.45	-19.47

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Antenna gain (dBi)		1.05								
LTE Band 5_Uplink frequency band : 824 to 849 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
3	20415	825.5	QPSK	1	0	22.51	23.56	21.41	38.45	-17.04
				1	14	22.44	23.49	21.34	38.45	-17.11
				8	4	21.57	22.62	20.47	38.45	-17.98
				15	0	21.57	22.62	20.47	38.45	-17.98
	20525	836.5	QPSK	1	0	22.45	23.50	21.35	38.45	-17.10
				1	14	22.44	23.49	21.34	38.45	-17.11
				8	4	21.59	22.64	20.49	38.45	-17.96
				15	0	21.56	22.61	20.46	38.45	-17.99
	20635	847.5	QPSK	1	0	22.38	23.43	21.28	38.45	-17.17
				1	14	22.66	23.71	21.56	38.45	-16.89
				8	4	21.98	23.03	20.88	38.45	-17.57
				15	0	21.90	22.95	20.80	38.45	-17.65
3	20415	825.5	16QAM	1	0	21.18	22.23	20.08	38.45	-18.37
				1	14	21.45	22.50	20.35	38.45	-18.10
				8	4	20.66	21.71	19.56	38.45	-18.89
				15	0	20.60	21.65	19.50	38.45	-18.95
	20525	836.5	16QAM	1	0	21.63	22.68	20.53	38.45	-17.92
				1	14	21.49	22.54	20.39	38.45	-18.06
				8	4	20.40	21.45	19.30	38.45	-19.15
				15	0	20.36	21.41	19.26	38.45	-19.19
	20635	847.5	16QAM	1	0	21.92	22.97	20.82	38.45	-17.63
				1	14	22.32	23.37	21.22	38.45	-17.23
				8	4	21.04	22.09	19.94	38.45	-18.51
				15	0	20.94	21.99	19.84	38.45	-18.61
3	20415	825.5	64QAM	1	0	20.81	21.86	19.71	38.45	-18.74
				1	14	20.18	21.23	19.08	38.45	-19.37
				8	4	19.12	20.17	18.02	38.45	-20.43
				15	0	19.61	20.66	18.51	38.45	-19.94
	20525	836.5	64QAM	1	0	20.11	21.16	19.01	38.45	-19.44
				1	14	20.58	21.63	19.48	38.45	-18.97
				8	4	19.67	20.72	18.57	38.45	-19.88
				15	0	19.32	20.37	18.22	38.45	-20.23
	20635	847.5	64QAM	1	0	20.86	21.91	19.76	38.45	-18.69
				1	14	21.28	22.33	20.18	38.45	-18.27
				8	4	20.11	21.16	19.01	38.45	-19.44
				15	0	19.76	20.81	18.66	38.45	-19.79

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Antenna gain (dBi)		1.05								
LTE Band 5_Uplink frequency band : 824 to 849 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	20425	826.5	QPSK	1	0	22.52	23.57	21.42	38.45	-17.03
				1	24	22.49	23.54	21.39	38.45	-17.06
				12	6	21.59	22.64	20.49	38.45	-17.96
				25	0	21.55	22.60	20.45	38.45	-18.00
	20525	836.5	QPSK	1	0	22.51	23.56	21.41	38.45	-17.04
				1	24	22.52	23.57	21.42	38.45	-17.03
				12	6	21.57	22.62	20.47	38.45	-17.98
				25	0	21.54	22.59	20.44	38.45	-18.01
	20625	846.5	QPSK	1	0	22.73	23.78	21.63	38.45	-16.82
				1	24	22.37	23.42	21.27	38.45	-17.18
				12	6	21.93	22.98	20.83	38.45	-17.62
				25	0	21.92	22.97	20.82	38.45	-17.63
5	20425	826.5	16QAM	1	0	21.71	22.76	20.61	38.45	-17.84
				1	24	21.74	22.79	20.64	38.45	-17.81
				12	6	20.61	21.66	19.51	38.45	-18.94
				25	0	20.45	21.50	19.35	38.45	-19.10
	20525	836.5	16QAM	1	0	21.69	22.74	20.59	38.45	-17.86
				1	24	21.60	22.65	20.50	38.45	-17.95
				12	6	20.54	21.59	19.44	38.45	-19.01
				25	0	20.59	21.64	19.49	38.45	-18.96
	20625	846.5	16QAM	1	0	22.28	23.33	21.18	38.45	-17.27
				1	24	22.41	23.46	21.31	38.45	-17.14
				12	6	21.05	22.10	19.95	38.45	-18.50
				25	0	20.92	21.97	19.82	38.45	-18.63
5	20425	826.5	64QAM	1	0	21.00	22.05	19.90	38.45	-18.55
				1	24	20.57	21.62	19.47	38.45	-18.98
				12	6	19.65	20.70	18.55	38.45	-19.90
				25	0	19.64	20.69	18.54	38.45	-19.91
	20525	836.5	64QAM	1	0	20.45	21.50	19.35	38.45	-19.10
				1	24	20.63	21.68	19.53	38.45	-18.92
				12	6	19.62	20.67	18.52	38.45	-19.93
				25	0	19.63	20.68	18.53	38.45	-19.92
	20625	846.5	64QAM	1	0	20.26	21.31	19.16	38.45	-19.29
				1	24	20.81	21.86	19.71	38.45	-18.74
				12	6	19.97	21.02	18.87	38.45	-19.58
				25	0	19.72	20.77	18.62	38.45	-19.83

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Antenna gain (dBi)		1.05								
LTE Band 5_Uplink frequency band : 824 to 849 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	20450	829	QPSK	1	0	22.43	23.48	21.33	38.45	-17.12
				1	49	22.37	23.42	21.27	38.45	-17.18
				25	12	21.59	22.64	20.49	38.45	-17.96
				50	0	21.57	22.62	20.47	38.45	-17.98
	20525	836.5	QPSK	1	0	22.54	23.59	21.44	38.45	-17.01
				1	49	22.61	23.66	21.51	38.45	-16.94
				25	12	21.60	22.65	20.50	38.45	-17.95
				50	0	21.61	22.66	20.51	38.45	-17.94
	20600	844	QPSK	1	0	22.62	23.67	21.52	38.45	-16.93
				1	49	22.64	23.69	21.54	38.45	-16.91
				25	12	21.79	22.84	20.69	38.45	-17.76
				50	0	21.93	22.98	20.83	38.45	-17.62
10	20450	829	16QAM	1	0	21.70	22.75	20.60	38.45	-17.85
				1	49	21.45	22.50	20.35	38.45	-18.10
				25	12	20.68	21.73	19.58	38.45	-18.87
				50	0	20.63	21.68	19.53	38.45	-18.92
	20525	836.5	16QAM	1	0	21.76	22.81	20.66	38.45	-17.79
				1	49	21.83	22.88	20.73	38.45	-17.72
				25	12	20.60	21.65	19.50	38.45	-18.95
				50	0	20.60	21.65	19.50	38.45	-18.95
	20600	844	16QAM	1	0	21.80	22.85	20.70	38.45	-17.75
				1	49	21.97	23.02	20.87	38.45	-17.58
				25	12	20.82	21.87	19.72	38.45	-18.73
				50	0	20.95	22.00	19.85	38.45	-18.60
10	20450	829	64QAM	1	0	20.52	21.57	19.42	38.45	-19.03
				1	49	20.59	21.64	19.49	38.45	-18.96
				25	12	19.61	20.66	18.51	38.45	-19.94
				50	0	19.60	20.65	18.50	38.45	-19.95
	20525	836.5	64QAM	1	0	20.42	21.47	19.32	38.45	-19.13
				1	49	20.70	21.75	19.60	38.45	-18.85
				25	12	19.67	20.72	18.57	38.45	-19.88
				50	0	19.62	20.67	18.52	38.45	-19.93
	20600	844	64QAM	1	0	20.91	21.96	19.81	38.45	-18.64
				1	49	21.02	22.07	19.92	38.45	-18.53
				25	12	19.64	20.69	18.54	38.45	-19.91
				50	0	19.96	21.01	18.86	38.45	-19.59

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Antenna gain (dBi)		1.79								
LTE Band 12_Uplink frequency band : 699 to 716 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
1.4	23017	699.7	QPSK	1	0	23.25	25.04	22.89	34.77	-11.88
				1	5	23.15	24.94	22.79	34.77	-11.98
				3	2	23.29	25.08	22.93	34.77	-11.84
				6	0	22.35	24.14	21.99	34.77	-12.78
	23095	707.5	QPSK	1	0	22.58	24.37	22.22	34.77	-12.55
				1	5	22.51	24.30	22.15	34.77	-12.62
				3	2	23.04	24.83	22.68	34.77	-12.09
				6	0	22.07	23.86	21.71	34.77	-13.06
	23173	715.3	QPSK	1	0	20.92	22.71	20.56	34.77	-14.21
				1	5	22.72	24.51	22.36	34.77	-12.41
				3	2	22.79	24.58	22.43	34.77	-12.34
				6	0	21.91	23.70	21.55	34.77	-13.22
1.4	23017	699.7	16QAM	1	0	22.28	24.07	21.92	34.77	-12.85
				1	5	22.23	24.02	21.87	34.77	-12.90
				3	2	22.42	24.21	22.06	34.77	-12.71
				6	0	21.43	23.22	21.07	34.77	-13.70
	23095	707.5	16QAM	1	0	22.40	24.19	22.04	34.77	-12.73
				1	5	22.00	23.79	21.64	34.77	-13.13
				3	2	22.27	24.06	21.91	34.77	-12.86
				6	0	21.15	22.94	20.79	34.77	-13.98
	23173	715.3	16QAM	1	0	21.15	22.94	20.79	34.77	-13.98
				1	5	21.72	23.51	21.36	34.77	-13.41
				3	2	21.96	23.75	21.60	34.77	-13.17
				6	0	20.86	22.65	20.50	34.77	-14.27
1.4	23017	699.7	64QAM	1	0	21.11	22.90	20.75	34.77	-14.02
				1	5	21.44	23.23	21.08	34.77	-13.69
				3	2	21.53	23.32	21.17	34.77	-13.60
				6	0	20.15	21.94	19.79	34.77	-14.98
	23095	707.5	64QAM	1	0	20.30	22.09	19.94	34.77	-14.83
				1	5	20.96	22.75	20.60	34.77	-14.17
				3	2	20.02	21.81	19.66	34.77	-15.11
				6	0	20.26	22.05	19.90	34.77	-14.87
	23173	715.3	64QAM	1	0	20.33	22.12	19.97	34.77	-14.80
				1	5	20.77	22.56	20.41	34.77	-14.36
				3	2	21.02	22.81	20.66	34.77	-14.11
				6	0	19.94	21.73	19.58	34.77	-15.19

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Antenna gain (dBi)		1.79								
LTE Band 12_Uplink frequency band : 699 to 716 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
3	23025	700.5	QPSK	1	0	23.28	25.07	22.92	34.77	-11.85
				1	14	23.13	24.92	22.77	34.77	-12.00
				8	4	22.30	24.09	21.94	34.77	-12.83
				15	0	22.37	24.16	22.01	34.77	-12.76
	23095	707.5	QPSK	1	0	22.16	23.95	21.80	34.77	-12.97
				1	14	22.27	24.06	21.91	34.77	-12.86
				8	4	22.19	23.98	21.83	34.77	-12.94
				15	0	22.17	23.96	21.81	34.77	-12.96
	23165	714.5	QPSK	1	0	22.99	24.78	22.63	34.77	-12.14
				1	14	22.80	24.59	22.44	34.77	-12.33
				8	4	22.02	23.81	21.66	34.77	-13.11
				15	0	21.99	23.78	21.63	34.77	-13.14
3	23025	700.5	16QAM	1	0	22.95	24.74	22.59	34.77	-12.18
				1	14	22.66	24.45	22.30	34.77	-12.47
				8	4	21.46	23.25	21.10	34.77	-13.67
				15	0	21.38	23.17	21.02	34.77	-13.75
	23095	707.5	16QAM	1	0	22.13	23.92	21.77	34.77	-13.00
				1	14	21.98	23.77	21.62	34.77	-13.15
				8	4	20.21	22.00	19.85	34.77	-14.92
				15	0	20.22	22.01	19.86	34.77	-14.91
	23165	714.5	16QAM	1	0	21.50	23.29	21.14	34.77	-13.63
				1	14	22.06	23.85	21.70	34.77	-13.07
				8	4	21.04	22.83	20.68	34.77	-14.09
				15	0	21.03	22.82	20.67	34.77	-14.10
3	23025	700.5	64QAM	1	0	21.48	23.27	21.12	34.77	-13.65
				1	14	21.21	23.00	20.85	34.77	-13.92
				8	4	20.30	22.09	19.94	34.77	-14.83
				15	0	20.34	22.13	19.98	34.77	-14.79
	23095	707.5	64QAM	1	0	19.93	21.72	19.57	34.77	-15.20
				1	14	20.85	22.64	20.49	34.77	-14.28
				8	4	20.26	22.05	19.90	34.77	-14.87
				15	0	20.22	22.01	19.86	34.77	-14.91
	23165	714.5	64QAM	1	0	21.23	23.02	20.87	34.77	-13.90
				1	14	20.66	22.45	20.30	34.77	-14.47
				8	4	20.10	21.89	19.74	34.77	-15.03
				15	0	19.98	21.77	19.62	34.77	-15.15

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Antenna gain (dBi)		1.79								
LTE Band 12_Uplink frequency band : 699 to 716 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	23035	701.5	QPSK	1	0	23.38	25.17	23.02	34.77	-11.75
				1	24	23.11	24.90	22.75	34.77	-12.02
				12	6	22.33	24.12	21.97	34.77	-12.80
				25	0	22.29	24.08	21.93	34.77	-12.84
	23095	707.5	QPSK	1	0	23.00	24.79	22.64	34.77	-12.13
				1	24	22.50	24.29	22.14	34.77	-12.63
				12	6	22.21	24.00	21.85	34.77	-12.92
				25	0	22.16	23.95	21.80	34.77	-12.97
	23155	713.5	QPSK	1	0	22.48	24.27	22.12	34.77	-12.65
				1	24	22.36	24.15	22.00	34.77	-12.77
				12	6	22.07	23.86	21.71	34.77	-13.06
				25	0	22.01	23.80	21.65	34.77	-13.12
5	23035	701.5	16QAM	1	0	22.32	24.11	21.96	34.77	-12.81
				1	24	22.53	24.32	22.17	34.77	-12.60
				12	6	21.39	23.18	21.03	34.77	-13.74
				25	0	21.33	23.12	20.97	34.77	-13.80
	23095	707.5	16QAM	1	0	22.63	24.42	22.27	34.77	-12.50
				1	24	22.18	23.97	21.82	34.77	-12.95
				12	6	21.23	23.02	20.87	34.77	-13.90
				25	0	21.22	23.01	20.86	34.77	-13.91
	23155	713.5	16QAM	1	0	22.43	24.22	22.07	34.77	-12.70
				1	24	21.68	23.47	21.32	34.77	-13.45
				12	6	21.08	22.87	20.72	34.77	-14.05
				25	0	21.10	22.89	20.74	34.77	-14.03
5	23035	701.5	64QAM	1	0	21.26	23.05	20.90	34.77	-13.87
				1	24	21.51	23.30	21.15	34.77	-13.62
				12	6	20.41	22.20	20.05	34.77	-14.72
				25	0	20.35	22.14	19.99	34.77	-14.78
	23095	707.5	64QAM	1	0	21.50	23.29	21.14	34.77	-13.63
				1	24	21.43	23.22	21.07	34.77	-13.70
				12	6	20.27	22.06	19.91	34.77	-14.86
				25	0	20.24	22.03	19.88	34.77	-14.89
	23155	713.5	64QAM	1	0	20.78	22.57	20.42	34.77	-14.35
				1	24	20.88	22.67	20.52	34.77	-14.25
				12	6	20.04	21.83	19.68	34.77	-15.09
				25	0	20.00	21.79	19.64	34.77	-15.13

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Antenna gain (dBi)		1.79								
LTE Band 12_Uplink frequency band : 699 to 716 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	23060	704	QPSK	1	0	23.21	25.00	22.85	34.77	-11.92
				1	49	23.02	24.81	22.66	34.77	-12.11
				25	12	22.27	24.06	21.91	34.77	-12.86
				50	0	22.27	24.06	21.91	34.77	-12.86
	23095	707.5	QPSK	1	0	22.83	24.62	22.47	34.77	-12.30
				1	49	22.69	24.48	22.33	34.77	-12.44
				25	12	22.26	24.05	21.90	34.77	-12.87
				50	0	22.20	23.99	21.84	34.77	-12.93
	23130	711	QPSK	1	0	22.77	24.56	22.41	34.77	-12.36
				1	49	22.92	24.71	22.56	34.77	-12.21
				25	12	22.14	23.93	21.78	34.77	-12.99
				50	0	22.10	23.89	21.74	34.77	-13.03
10	23060	704	16QAM	1	0	22.38	24.17	22.02	34.77	-12.75
				1	49	22.50	24.29	22.14	34.77	-12.63
				25	12	21.29	23.08	20.93	34.77	-13.84
				50	0	21.28	23.07	20.92	34.77	-13.85
	23095	707.5	16QAM	1	0	22.14	23.93	21.78	34.77	-12.99
				1	49	22.11	23.90	21.75	34.77	-13.02
				25	12	21.31	23.10	20.95	34.77	-13.82
				50	0	21.20	22.99	20.84	34.77	-13.93
	23130	711	16QAM	1	0	21.83	23.62	21.47	34.77	-13.30
				1	49	21.88	23.67	21.52	34.77	-13.25
				25	12	21.19	22.98	20.83	34.77	-13.94
				50	0	21.15	22.94	20.79	34.77	-13.98
10	23060	704	64QAM	1	0	21.60	23.39	21.24	34.77	-13.53
				1	49	21.09	22.88	20.73	34.77	-14.04
				25	12	20.26	22.05	19.90	34.77	-14.87
				50	0	20.27	22.06	19.91	34.77	-14.86
	23095	707.5	64QAM	1	0	21.58	23.37	21.22	34.77	-13.55
				1	49	21.16	22.95	20.80	34.77	-13.97
				25	12	20.27	22.06	19.91	34.77	-14.86
				50	0	20.31	22.10	19.95	34.77	-14.82
	23130	711	64QAM	1	0	20.86	22.65	20.50	34.77	-14.27
				1	49	21.13	22.92	20.77	34.77	-14.00
				25	12	20.28	22.07	19.92	34.77	-14.85
				50	0	20.11	21.90	19.75	34.77	-15.02

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Antenna gain (dBi)		1.79								
LTE Band 13_Uplink frequency band : 777 to 787 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	23205	779.5	QPSK	1	0	23.42	25.21	23.06	34.77	-11.71
				1	24	23.32	25.11	22.96	34.77	-11.81
				12	6	22.49	24.28	22.13	34.77	-12.64
				25	0	22.50	24.29	22.14	34.77	-12.63
	23230	782	QPSK	1	0	23.32	25.11	22.96	34.77	-11.81
				1	24	23.01	24.80	22.65	34.77	-12.12
				12	6	22.39	24.18	22.03	34.77	-12.74
				25	0	22.42	24.21	22.06	34.77	-12.71
	23255	784.5	QPSK	1	0	23.28	25.07	22.92	34.77	-11.85
				1	24	23.00	24.79	22.64	34.77	-12.13
				12	6	22.41	24.20	22.05	34.77	-12.72
				25	0	22.35	24.14	21.99	34.77	-12.78
5	23205	779.5	16QAM	1	0	22.29	24.08	21.93	34.77	-12.84
				1	24	22.66	24.45	22.30	34.77	-12.47
				12	6	21.40	23.19	21.04	34.77	-13.73
				25	0	21.62	23.41	21.26	34.77	-13.51
	23230	782	16QAM	1	0	21.49	23.28	21.13	34.77	-13.64
				1	24	22.74	24.53	22.38	34.77	-12.39
				12	6	21.44	23.23	21.08	34.77	-13.69
				25	0	21.40	23.19	21.04	34.77	-13.73
	23255	784.5	16QAM	1	0	22.76	24.55	22.40	34.77	-12.37
				1	24	22.26	24.05	21.90	34.77	-12.87
				12	6	21.44	23.23	21.08	34.77	-13.69
				25	0	21.41	23.20	21.05	34.77	-13.72
5	23205	779.5	64QAM	1	0	21.13	22.92	20.77	34.77	-14.00
				1	24	21.77	23.56	21.41	34.77	-13.36
				12	6	20.32	22.11	19.96	34.77	-14.81
				25	0	20.29	22.08	19.93	34.77	-14.84
	23230	782	64QAM	1	0	21.16	22.95	20.80	34.77	-13.97
				1	24	21.14	22.93	20.78	34.77	-13.99
				12	6	20.45	22.24	20.09	34.77	-14.68
				25	0	20.45	22.24	20.09	34.77	-14.68
	23255	784.5	64QAM	1	0	21.22	23.01	20.86	34.77	-13.91
				1	24	21.61	23.40	21.25	34.77	-13.52
				12	6	20.20	21.99	19.84	34.77	-14.93
				25	0	20.41	22.20	20.05	34.77	-14.72

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Antenna gain (dBi)		1.79								
LTE Band 13_Uplink frequency band : 777 to 787 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	23230	782	QPSK	1	0	23.23	25.02	22.87	34.77	-11.90
				1	49	22.87	24.66	22.51	34.77	-12.26
				25	12	22.42	24.21	22.06	34.77	-12.71
				50	0	22.44	24.23	22.08	34.77	-12.69
10	23230	782	16QAM	1	0	22.76	24.55	22.40	34.77	-12.37
				1	49	22.19	23.98	21.83	34.77	-12.94
				25	12	21.43	23.22	21.07	34.77	-13.70
				50	0	21.49	23.28	21.13	34.77	-13.64
10	23230	782	64QAM	1	0	21.63	23.42	21.27	34.77	-13.50
				1	49	21.19	22.98	20.83	34.77	-13.94
				25	12	20.42	22.21	20.06	34.77	-14.71
				50	0	20.44	22.23	20.08	34.77	-14.69

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Antenna gain (dBi)		2.16							
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	23.09	25.25	30	-4.75
				1	5	23.30	25.46	30	-4.54
				3	2	23.31	25.47	30	-4.53
				6	0	22.38	24.54	30	-5.46
	132322	1745	QPSK	1	0	23.09	25.25	30	-4.75
				1	5	23.07	25.23	30	-4.77
				3	2	23.18	25.34	30	-4.66
				6	0	22.19	24.35	30	-5.65
	132665	1779.3	QPSK	1	0	22.72	24.88	30	-5.12
				1	5	23.14	25.30	30	-4.7
				3	2	23.23	25.39	30	-4.61
				6	0	22.25	24.41	30	-5.59
1.4	131979	1710.7	16QAM	1	0	22.56	24.72	30	-5.28
				1	5	22.27	24.43	30	-5.57
				3	2	22.21	24.37	30	-5.63
				6	0	21.44	23.60	30	-6.4
	132322	1745	16QAM	1	0	22.05	24.21	30	-5.79
				1	5	21.95	24.11	30	-5.89
				3	2	22.32	24.48	30	-5.52
				6	0	21.23	23.39	30	-6.61
	132665	1779.3	16QAM	1	0	22.07	24.23	30	-5.77
				1	5	22.40	24.56	30	-5.44
				3	2	22.49	24.65	30	-5.35
				6	0	21.30	23.46	30	-6.54
1.4	131979	1710.7	64QAM	1	0	21.53	23.69	30	-6.31
				1	5	21.68	23.84	30	-6.16
				3	2	21.37	23.53	30	-6.47
				6	0	20.41	22.57	30	-7.43
	132322	1745	64QAM	1	0	21.42	23.58	30	-6.42
				1	5	21.13	23.29	30	-6.71
				3	2	21.34	23.50	30	-6.5
				6	0	20.35	22.51	30	-7.49
	132665	1779.3	64QAM	1	0	21.16	23.32	30	-6.68
				1	5	21.07	23.23	30	-6.77
				3	2	21.24	23.40	30	-6.6
				6	0	20.31	22.47	30	-7.53

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Antenna gain (dBi)		2.16							
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	23.42	25.58	30	-4.42
				1	14	23.36	25.52	30	-4.48
				8	4	22.48	24.64	30	-5.36
				15	0	22.42	24.58	30	-5.42
	132322	1745	QPSK	1	0	23.19	25.35	30	-4.65
				1	14	23.16	25.32	30	-4.68
				8	4	22.34	24.50	30	-5.5
				15	0	22.27	24.43	30	-5.57
	132657	1778.5	QPSK	1	0	23.18	25.34	30	-4.66
				1	14	23.21	25.37	30	-4.63
				8	4	22.29	24.45	30	-5.55
				15	0	22.27	24.43	30	-5.57
3	131987	1711.5	16QAM	1	0	22.04	24.20	30	-5.8
				1	14	22.60	24.76	30	-5.24
				8	4	21.38	23.54	30	-6.46
				15	0	21.46	23.62	30	-6.38
	132322	1745	16QAM	1	0	22.31	24.47	30	-5.53
				1	14	22.68	24.84	30	-5.16
				8	4	21.32	23.48	30	-6.52
				15	0	21.34	23.50	30	-6.5
	132657	1778.5	16QAM	1	0	22.18	24.34	30	-5.66
				1	14	21.97	24.13	30	-5.87
				8	4	21.35	23.51	30	-6.49
				15	0	21.31	23.47	30	-6.53
3	131987	1711.5	64QAM	1	0	21.50	23.66	30	-6.34
				1	14	21.46	23.62	30	-6.38
				8	4	20.55	22.71	30	-7.29
				15	0	20.52	22.68	30	-7.32
	132322	1745	64QAM	1	0	21.47	23.63	30	-6.37
				1	14	20.91	23.07	30	-6.93
				8	4	20.42	22.58	30	-7.42
				15	0	20.33	22.49	30	-7.51
	132657	1778.5	64QAM	1	0	21.19	23.35	30	-6.65
				1	14	21.37	23.53	30	-6.47
				8	4	20.11	22.27	30	-7.73
				15	0	20.33	22.49	30	-7.51

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Antenna gain (dBi)		2.16							
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)
5	131997	1712.5	QPSK	1	0	23.37	25.53	30	-4.47
				1	24	23.23	25.39	30	-4.61
				12	6	22.45	24.61	30	-5.39
				25	0	22.46	24.62	30	-5.38
	132322	1745	QPSK	1	0	22.37	24.53	30	-5.47
				1	24	23.11	25.27	30	-4.73
				12	6	22.37	24.53	30	-5.47
				25	0	22.31	24.47	30	-5.53
	132647	1777.5	QPSK	1	0	22.96	25.12	30	-4.88
				1	24	23.17	25.33	30	-4.67
				12	6	22.31	24.47	30	-5.53
				25	0	22.27	24.43	30	-5.57
5	131997	1712.5	16QAM	1	0	22.09	24.25	30	-5.75
				1	24	22.43	24.59	30	-5.41
				12	6	21.53	23.69	30	-6.31
				25	0	21.49	23.65	30	-6.35
	132322	1745	16QAM	1	0	22.27	24.43	30	-5.57
				1	24	22.35	24.51	30	-5.49
				12	6	21.41	23.57	30	-6.43
				25	0	21.35	23.51	30	-6.49
	132647	1777.5	16QAM	1	0	22.31	24.47	30	-5.53
				1	24	22.35	24.51	30	-5.49
				12	6	21.38	23.54	30	-6.46
				25	0	21.32	23.48	30	-6.52
5	131997	1712.5	64QAM	1	0	20.82	22.98	30	-7.02
				1	24	20.80	22.96	30	-7.04
				12	6	20.51	22.67	30	-7.33
				25	0	20.52	22.68	30	-7.32
	132322	1745	64QAM	1	0	21.18	23.34	30	-6.66
				1	24	21.32	23.48	30	-6.52
				12	6	20.41	22.57	30	-7.43
				25	0	20.32	22.48	30	-7.52
	132647	1777.5	64QAM	1	0	21.23	23.39	30	-6.61
				1	24	20.96	23.12	30	-6.88
				12	6	20.40	22.56	30	-7.44
				25	0	20.30	22.46	30	-7.54

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Antenna gain (dBi)		2.16							
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)
10	132022	1715	QPSK	1	0	23.44	25.60	30	-4.4
				1	49	23.23	25.39	30	-4.61
				25	12	22.51	24.67	30	-5.33
				50	0	22.45	24.61	30	-5.39
	132322	1745	QPSK	1	0	23.21	25.37	30	-4.63
				1	49	23.17	25.33	30	-4.67
				25	12	22.33	24.49	30	-5.51
				50	0	22.29	24.45	30	-5.55
	132622	1775	QPSK	1	0	23.00	25.16	30	-4.84
				1	49	22.73	24.89	30	-5.11
				25	12	22.24	24.40	30	-5.6
				50	0	22.28	24.44	30	-5.56
10	132022	1715	16QAM	1	0	22.65	24.81	30	-5.19
				1	49	22.73	24.89	30	-5.11
				25	12	21.51	23.67	30	-6.33
				50	0	21.44	23.60	30	-6.4
	132322	1745	16QAM	1	0	22.04	24.20	30	-5.8
				1	49	22.19	24.35	30	-5.65
				25	12	21.42	23.58	30	-6.42
				50	0	21.37	23.53	30	-6.47
	132622	1775	16QAM	1	0	22.35	24.51	30	-5.49
				1	49	22.03	24.19	30	-5.81
				25	12	21.35	23.51	30	-6.49
				50	0	21.27	23.43	30	-6.57
10	132022	1715	64QAM	1	0	21.70	23.86	30	-6.14
				1	49	21.41	23.57	30	-6.43
				25	12	20.55	22.71	30	-7.29
				50	0	20.46	22.62	30	-7.38
	132322	1745	64QAM	1	0	21.62	23.78	30	-6.22
				1	49	21.74	23.90	30	-6.1
				25	12	20.38	22.54	30	-7.46
				50	0	20.31	22.47	30	-7.53
	132622	1775	64QAM	1	0	21.14	23.30	30	-6.7
				1	49	21.46	23.62	30	-6.38
				25	12	20.30	22.46	30	-7.54
				50	0	20.26	22.42	30	-7.58

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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)
15	132047	1717.5	QPSK	1	0	23.33	25.49	30	-4.51
				1	74	23.26	25.42	30	-4.58
				36	18	22.50	24.66	30	-5.34
				75	0	22.48	24.64	30	-5.36
	132322	1745	QPSK	1	0	23.14	25.30	30	-4.7
				1	74	22.99	25.15	30	-4.85
				36	18	22.33	24.49	30	-5.51
				75	0	22.31	24.47	30	-5.53
	132597	1772.5	QPSK	1	0	23.27	25.43	30	-4.57
				1	74	23.23	25.39	30	-4.61
				36	18	22.30	24.46	30	-5.54
				75	0	22.30	24.46	30	-5.54
15	132047	1717.5	16QAM	1	0	22.54	24.70	30	-5.3
				1	74	22.19	24.35	30	-5.65
				36	18	21.48	23.64	30	-6.36
				75	0	21.46	23.62	30	-6.38
	132322	1745	16QAM	1	0	22.27	24.43	30	-5.57
				1	74	22.32	24.48	30	-5.52
				36	18	21.43	23.59	30	-6.41
				75	0	21.34	23.50	30	-6.5
	132597	1772.5	16QAM	1	0	22.37	24.53	30	-5.47
				1	74	22.60	24.76	30	-5.24
				36	18	21.32	23.48	30	-6.52
				75	0	21.34	23.50	30	-6.5
15	132047	1717.5	64QAM	1	0	21.23	23.39	30	-6.61
				1	74	21.62	23.78	30	-6.22
				36	18	20.28	22.44	30	-7.56
				75	0	20.53	22.69	30	-7.31
	132322	1745	64QAM	1	0	21.23	23.39	30	-6.61
				1	74	20.88	23.04	30	-6.96
				36	18	20.41	22.57	30	-7.43
				75	0	20.36	22.52	30	-7.48
	132597	1772.5	64QAM	1	0	21.41	23.57	30	-6.43
				1	74	21.30	23.46	30	-6.54
				36	18	20.30	22.46	30	-7.54
				75	0	20.29	22.45	30	-7.55

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Antenna gain (dBi)		2.16							
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	23.47	25.63	30	-4.37
				1	99	23.26	25.42	30	-4.58
				50	25	22.44	24.60	30	-5.4
				100	0	22.46	24.62	30	-5.38
	132322	1745	QPSK	1	0	23.30	25.46	30	-4.54
				1	99	23.11	25.27	30	-4.73
				50	25	22.36	24.52	30	-5.48
				100	0	22.27	24.43	30	-5.57
	132572	1770	QPSK	1	0	23.26	25.42	30	-4.58
				1	99	23.16	25.32	30	-4.68
				50	25	22.35	24.51	30	-5.49
				100	0	22.27	24.43	30	-5.57
20	132072	1720	16QAM	1	0	21.74	23.90	30	-6.1
				1	99	22.07	24.23	30	-5.77
				50	25	21.47	23.63	30	-6.37
				100	0	21.49	23.65	30	-6.35
	132322	1745	16QAM	1	0	22.19	24.35	30	-5.65
				1	99	22.01	24.17	30	-5.83
				50	25	21.40	23.56	30	-6.44
				100	0	21.35	23.51	30	-6.49
	132572	1770	16QAM	1	0	22.42	24.58	30	-5.42
				1	99	22.20	24.36	30	-5.64
				50	25	21.32	23.48	30	-6.52
				100	0	21.27	23.43	30	-6.57
20	132072	1720	64QAM	1	0	21.23	23.39	30	-6.61
				1	99	21.33	23.49	30	-6.51
				50	25	20.51	22.67	30	-7.33
				100	0	20.52	22.68	30	-7.32
	132322	1745	64QAM	1	0	20.91	23.07	30	-6.93
				1	99	21.06	23.22	30	-6.78
				50	25	20.39	22.55	30	-7.45
				100	0	20.28	22.44	30	-7.56
	132572	1770	64QAM	1	0	21.00	23.16	30	-6.84
				1	99	21.16	23.32	30	-6.68
				50	25	20.34	22.50	30	-7.5
				100	0	20.31	22.47	30	-7.53

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Antenna gain (dBi)		4.21								
LTE Band 71_Uplink frequency band : 663 to 698 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	133147	665.5	QPSK	1	0	23.44	27.65	25.50	34.77	-9.27
				1	24	23.24	27.45	25.30	34.77	-9.47
				12	6	22.49	26.70	24.55	34.77	-10.22
				25	0	22.52	26.73	24.58	34.77	-10.19
	133297	680.5	QPSK	1	0	22.39	26.60	24.45	34.77	-10.32
				1	24	23.13	27.34	25.19	34.77	-9.58
				12	6	22.42	26.63	24.48	34.77	-10.29
				25	0	22.38	26.59	24.44	34.77	-10.33
	133447	695.5	QPSK	1	0	23.02	27.23	25.08	34.77	-9.69
				1	24	23.19	27.40	25.25	34.77	-9.52
				12	6	22.35	26.56	24.41	34.77	-10.36
				25	0	22.30	26.51	24.36	34.77	-10.41
5	133147	665.5	16QAM	1	0	22.12	26.33	24.18	34.77	-10.59
				1	24	22.47	26.68	24.53	34.77	-10.24
				12	6	21.56	25.77	23.62	34.77	-11.15
				25	0	21.59	25.80	23.65	34.77	-11.12
	133297	680.5	16QAM	1	0	22.30	26.51	24.36	34.77	-10.41
				1	24	22.40	26.61	24.46	34.77	-10.31
				12	6	21.49	25.70	23.55	34.77	-11.22
				25	0	21.38	25.59	23.44	34.77	-11.33
	133447	695.5	16QAM	1	0	22.39	26.60	24.45	34.77	-10.32
				1	24	22.42	26.63	24.48	34.77	-10.29
				12	6	21.41	25.62	23.47	34.77	-11.30
				25	0	21.33	25.54	23.39	34.77	-11.38
5	133147	665.5	64QAM	1	0	20.84	25.05	22.90	34.77	-11.87
				1	24	20.83	25.04	22.89	34.77	-11.88
				12	6	20.59	24.80	22.65	34.77	-12.12
				25	0	20.62	24.83	22.68	34.77	-12.09
	133297	680.5	64QAM	1	0	21.21	25.42	23.27	34.77	-11.50
				1	24	21.41	25.62	23.47	34.77	-11.30
				12	6	20.47	24.68	22.53	34.77	-12.24
				25	0	20.39	24.60	22.45	34.77	-12.32
	133447	695.5	64QAM	1	0	21.32	25.53	23.38	34.77	-11.39
				1	24	21.04	25.25	23.10	34.77	-11.67
				12	6	20.50	24.71	22.56	34.77	-12.21
				25	0	20.34	24.55	22.40	34.77	-12.37

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Antenna gain (dBi)		4.21								
LTE Band 71_Uplink frequency band : 663 to 698 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	133172	668	QPSK	1	0	23.49	27.70	25.55	34.77	-9.22
				1	49	23.32	27.53	25.38	34.77	-9.39
				25	12	22.53	26.74	24.59	34.77	-10.18
				50	0	22.48	26.69	24.54	34.77	-10.23
	133297	680.5	QPSK	1	0	23.30	27.51	25.36	34.77	-9.41
				1	49	23.27	27.48	25.33	34.77	-9.44
				25	12	22.40	26.61	24.46	34.77	-10.31
				50	0	22.38	26.59	24.44	34.77	-10.33
	133422	693	QPSK	1	0	23.02	27.23	25.08	34.77	-9.69
				1	49	22.81	27.02	24.87	34.77	-9.90
				25	12	22.33	26.54	24.39	34.77	-10.38
				50	0	22.38	26.59	24.44	34.77	-10.33
10	133172	668	16QAM	1	0	22.68	26.89	24.74	34.77	-10.03
				1	49	22.81	27.02	24.87	34.77	-9.90
				25	12	21.60	25.81	23.66	34.77	-11.11
				50	0	21.48	25.69	23.54	34.77	-11.23
	133297	680.5	16QAM	1	0	22.09	26.30	24.15	34.77	-10.62
				1	49	22.25	26.46	24.31	34.77	-10.46
				25	12	21.42	25.63	23.48	34.77	-11.29
				50	0	21.38	25.59	23.44	34.77	-11.33
	133422	693	16QAM	1	0	22.38	26.59	24.44	34.77	-10.33
				1	49	22.10	26.31	24.16	34.77	-10.61
				25	12	21.43	25.64	23.49	34.77	-11.28
				50	0	21.30	25.51	23.36	34.77	-11.41
10	133172	668	64QAM	1	0	21.73	25.94	23.79	34.77	-10.98
				1	49	21.50	25.71	23.56	34.77	-11.21
				25	12	20.58	24.79	22.64	34.77	-12.13
				50	0	20.53	24.74	22.59	34.77	-12.18
	133297	680.5	64QAM	1	0	21.72	25.93	23.78	34.77	-10.99
				1	49	21.83	26.04	23.89	34.77	-10.88
				25	12	20.41	24.62	22.47	34.77	-12.30
				50	0	20.37	24.58	22.43	34.77	-12.34
	133422	693	64QAM	1	0	21.17	25.38	23.23	34.77	-11.54
				1	49	21.54	25.75	23.60	34.77	-11.17
				25	12	20.36	24.57	22.42	34.77	-12.35
				50	0	20.28	24.49	22.34	34.77	-12.43

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Antenna gain (dBi)		4.21								
LTE Band 71_Uplink frequency band : 663 to 698 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
15	133197	670.5	QPSK	1	0	23.41	27.62	25.47	34.77	-9.30
				1	74	23.30	27.51	25.36	34.77	-9.41
				36	18	22.53	26.74	24.59	34.77	-10.18
				75	0	22.50	26.71	24.56	34.77	-10.21
	133297	680.5	QPSK	1	0	23.22	27.43	25.28	34.77	-9.49
				1	74	23.02	27.23	25.08	34.77	-9.69
				36	18	22.42	26.63	24.48	34.77	-10.29
				75	0	22.31	26.52	24.37	34.77	-10.40
	133397	690.5	QPSK	1	0	23.31	27.52	25.37	34.77	-9.40
				1	74	23.33	27.54	25.39	34.77	-9.38
				36	18	22.38	26.59	24.44	34.77	-10.33
				75	0	22.40	26.61	24.46	34.77	-10.31
15	133197	670.5	16QAM	1	0	22.61	26.82	24.67	34.77	-10.10
				1	74	22.20	26.41	24.26	34.77	-10.51
				36	18	21.52	25.73	23.58	34.77	-11.19
				75	0	21.53	25.74	23.59	34.77	-11.18
	133297	680.5	16QAM	1	0	22.33	26.54	24.39	34.77	-10.38
				1	74	22.36	26.57	24.42	34.77	-10.35
				36	18	21.47	25.68	23.53	34.77	-11.24
				75	0	21.39	25.60	23.45	34.77	-11.32
	133397	690.5	16QAM	1	0	22.42	26.63	24.48	34.77	-10.29
				1	74	22.63	26.84	24.69	34.77	-10.08
				36	18	21.40	25.61	23.46	34.77	-11.31
				75	0	21.37	25.58	23.43	34.77	-11.34
15	133197	670.5	64QAM	1	0	21.26	25.47	23.32	34.77	-11.45
				1	74	21.64	25.85	23.70	34.77	-11.07
				36	18	20.30	24.51	22.36	34.77	-12.41
				75	0	20.63	24.84	22.69	34.77	-12.08
	133297	680.5	64QAM	1	0	21.25	25.46	23.31	34.77	-11.46
				1	74	20.98	25.19	23.04	34.77	-11.73
				36	18	20.51	24.72	22.57	34.77	-12.20
				75	0	20.38	24.59	22.44	34.77	-12.33
	133397	690.5	64QAM	1	0	21.51	25.72	23.57	34.77	-11.20
				1	74	21.34	25.55	23.40	34.77	-11.37
				36	18	20.39	24.60	22.45	34.77	-12.32
				75	0	20.34	24.55	22.40	34.77	-12.37

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Antenna gain (dBi)		4.21								
LTE Band 71_Uplink frequency band : 663 to 698 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
20	133222	673	QPSK	1	0	23.57	27.78	25.63	34.77	-9.14
				1	99	23.36	27.57	25.42	34.77	-9.35
				50	25	22.46	26.67	24.52	34.77	-10.25
				100	0	22.51	26.72	24.57	34.77	-10.20
	133297	680.5	QPSK	1	0	23.37	27.58	25.43	34.77	-9.34
				1	99	23.15	27.36	25.21	34.77	-9.56
				50	25	22.45	26.66	24.51	34.77	-10.26
				100	0	22.27	26.48	24.33	34.77	-10.44
	133372	688	QPSK	1	0	23.30	27.51	25.36	34.77	-9.41
				1	99	23.24	27.45	25.30	34.77	-9.47
				50	25	22.37	26.58	24.43	34.77	-10.34
				100	0	22.32	26.53	24.38	34.77	-10.39
20	133222	673	16QAM	1	0	21.80	26.01	23.86	34.77	-10.91
				1	99	22.17	26.38	24.23	34.77	-10.54
				50	25	21.49	25.70	23.55	34.77	-11.22
				100	0	21.54	25.75	23.60	34.77	-11.17
	133297	680.5	16QAM	1	0	22.22	26.43	24.28	34.77	-10.49
				1	99	22.07	26.28	24.13	34.77	-10.64
				50	25	21.42	25.63	23.48	34.77	-11.29
				100	0	21.40	25.61	23.46	34.77	-11.31
	133372	688	16QAM	1	0	22.43	26.64	24.49	34.77	-10.28
				1	99	22.23	26.44	24.29	34.77	-10.48
				50	25	21.38	25.59	23.44	34.77	-11.33
				100	0	21.34	25.55	23.40	34.77	-11.37
20	133222	673	64QAM	1	0	21.28	25.49	23.34	34.77	-11.43
				1	99	21.40	25.61	23.46	34.77	-11.31
				50	25	20.56	24.77	22.62	34.77	-12.15
				100	0	20.58	24.79	22.64	34.77	-12.13
	133297	680.5	64QAM	1	0	20.96	25.17	23.02	34.77	-11.75
				1	99	21.09	25.30	23.15	34.77	-11.62
				50	25	20.47	24.68	22.53	34.77	-12.24
				100	0	20.34	24.55	22.40	34.77	-12.37
	133372	688	64QAM	1	0	21.10	25.31	23.16	34.77	-11.61
				1	99	21.24	25.45	23.30	34.77	-11.47
				50	25	20.38	24.59	22.44	34.77	-12.33
				100	0	20.33	24.54	22.39	34.77	-12.38

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2 OCCUPIED BANDWIDTH MEASUREMENT

LTE BAND 2 Channel bandwidth: 1.4MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1850.7	18607	1.0858	1.0838	1.0854	1.218	1.230	1.232
1880.0	18900	1.0878	1.0893	1.0886	1.215	1.231	1.227
1909.3	19193	1.0862	1.0856	1.0862	1.220	1.224	1.231

LTE BAND 2 Channel bandwidth: 3MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1851.5	18615	2.6897	2.6986	2.6994	2.972	2.960	2.972
1880.0	18900	2.6914	2.6942	2.6939	2.973	2.983	2.955
1908.5	19185	2.6980	2.6999	2.6987	2.969	2.954	2.969

LTE BAND 2 Channel bandwidth: 5MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1852.5	18625	4.4904	4.4864	4.4851	4.916	4.913	4.900
1880.0	18900	4.4837	4.4888	4.4924	4.887	4.910	4.921
1907.5	19175	4.4951	4.4783	4.4960	4.917	4.919	4.909

LTE BAND 2 Channel bandwidth: 10MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1855.0	18650	8.9574	8.9612	8.9538	9.716	9.792	9.692
1880.0	18900	8.9651	8.9644	8.9534	9.835	9.719	9.674
1905.0	19150	8.9783	8.9621	8.9858	9.789	9.779	9.721

LTE BAND 2 Channel bandwidth: 15MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1857.5	18675	13.4290	13.4460	13.4430	14.580	14.550	14.470
1880.0	18900	13.4560	13.4620	13.4370	14.530	14.570	14.610
1902.5	19125	13.4440	13.4570	13.4620	14.660	14.600	14.530

LTE BAND 2 Channel bandwidth: 20MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1860.0	18700	17.9110	17.8880	17.8400	19.250	19.240	19.290
1880.0	18900	17.8950	17.9050	17.9330	19.280	19.340	19.280
1900.0	19100	17.9310	17.9370	17.8970	19.490	19.400	19.270

LTE BAND 4 Channel bandwidth: 1.4MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1710.7	19957	1.0836	1.0914	1.0900	1.224	1.229	1.228
1732.5	20175	1.0870	1.0856	1.0853	1.234	1.220	1.230
1754.3	20393	1.0869	1.0885	1.0879	1.232	1.232	1.228

LTE BAND 4 Channel bandwidth: 3MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1711.5	19965	2.6912	2.7022	2.6904	3.006	2.975	2.967
1732.5	20175	2.6920	2.6966	2.6974	2.975	2.991	2.970
1753.5	20385	2.6893	2.6975	2.6955	3.018	2.956	2.955

LTE BAND 4 Channel bandwidth: 5MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1712.5	19975	4.4938	4.4750	4.4839	4.918	4.927	4.923
1732.5	20175	4.4849	4.4851	4.4782	4.902	4.945	4.938
1752.5	20375	4.4987	4.5089	4.4884	4.909	4.912	4.952

LTE BAND 4 Channel bandwidth: 10MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1715.0	20000	8.9606	8.9676	8.9458	9.715	9.774	9.742
1732.5	20175	8.9528	8.9410	8.9671	9.662	9.704	9.768
1750.0	20350	8.9754	8.9656	8.9461	9.728	9.770	9.686

LTE BAND 4 Channel bandwidth: 15MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1717.5	20025	13.4390	13.4430	13.4330	14.640	14.600	14.390
1732.5	20175	13.4390	13.4280	13.4090	14.450	14.470	14.500
1747.5	20325	13.4610	13.4660	13.4260	14.510	14.580	14.410

LTE BAND 4 Channel bandwidth: 20MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1720.0	20050	17.8790	17.9010	17.9140	19.200	19.320	19.280
1732.5	20175	17.8550	17.8970	17.8760	19.270	19.150	19.330
1745.0	20300	17.9210	17.9130	17.8950	19.370	19.230	19.390

LTE BAND 5 Channel bandwidth: 1.4MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
824.7	20407	1.0855	1.0878	1.0885	1.226	1.220	1.218
836.5	20525	1.0874	1.0872	1.0903	1.222	1.228	1.215
848.3	20643	1.0809	1.0861	1.0866	1.218	1.229	1.224

LTE BAND 5 Channel bandwidth: 3MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
825.5	20415	2.6915	2.6921	2.6882	2.965	2.975	2.939
836.5	20525	2.6941	2.6928	2.6966	2.979	2.994	2.963
847.5	20635	2.6965	2.6981	2.6952	2.962	2.992	2.950

LTE BAND 5 Channel bandwidth: 5MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
826.5	20425	4.4947	4.4835	4.4873	4.953	4.925	4.954
836.5	20525	4.5015	4.4821	4.4885	4.957	4.925	4.929
846.5	20625	4.4921	4.4842	4.4895	4.913	4.871	4.906

LTE BAND 5 Channel bandwidth: 10MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
829.0	20450	8.9653	8.9579	8.9495	9.688	9.751	9.687
836.5	20525	8.9661	8.9657	8.9791	9.800	9.742	9.726
844.0	20600	8.9447	8.9642	8.9630	9.623	9.734	9.702

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LTE BAND 12 Channel bandwidth: 1.4MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
699.7	23017	1.0890	1.0841	1.0847	1.227	1.199	1.230
707.5	23095	1.0845	1.0890	1.0866	1.223	1.230	1.218
715.3	23173	1.0882	1.0912	1.0809	1.209	1.213	1.184

LTE BAND 12 Channel bandwidth: 5MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
701.5	23035	4.4862	4.4852	4.4853	4.899	4.910	4.900
707.5	23095	4.4835	4.4655	4.4833	4.897	4.763	4.933
713.5	23155	4.4845	4.4834	4.4901	4.908	4.891	4.947

LTE BAND 13 Channel bandwidth: 5MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
779.5	23205	4.4849	4.4829	4.4856	4.923	4.875	4.901
782.0	23230	4.4963	4.4853	4.4855	4.929	4.955	4.898
784.5	23255	4.4900	4.4936	4.4962	4.939	4.916	4.909

LTE BAND 66 Channel bandwidth: 1.4MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1710.7	131979	1.0833	1.0898	1.0829	1.220	1.234	1.224
1745.0	132322	1.0826	1.0865	1.0919	1.227	1.230	1.231
1779.3	132665	1.0894	1.0881	1.0883	1.229	1.222	1.230

LTE BAND 66 Channel bandwidth: 5MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1712.5	131997	4.4893	4.4883	4.4826	4.953	4.938	4.920
1745.0	132322	4.4885	4.4867	4.4990	4.910	4.935	4.918
1777.5	132647	4.4934	4.4817	4.4817	4.939	4.918	4.906

LTE BAND 66 Channel bandwidth: 15MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1717.5	132047	13.4680	13.4470	13.4170	14.530	14.590	14.550
1745.0	132322	13.4260	13.4440	13.4530	14.620	14.630	14.580
1772.5	132597	13.4370	13.4710	13.4660	14.690	14.640	14.590

LTE BAND 71 Channel bandwidth: 5MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
665.5	133147	4.4855	4.4860	4.4779	4.919	4.935	4.884
680.5	133297	4.4958	4.4906	4.4833	4.933	4.906	4.926
695.5	133447	4.4962	4.4989	4.4896	4.937	4.927	4.913

LTE BAND 71 Channel bandwidth: 15MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
670.5	133197	13.4470	13.4570	13.4580	14.550	14.660	14.610
680.5	133297	13.4380	13.4420	13.4300	14.750	14.470	14.510
690.5	133397	13.4270	13.4400	13.4320	14.500	14.590	14.500

LTE BAND 12 Channel bandwidth: 3MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
700.5	23025	2.6901	2.6901	2.6916	2.970	2.965	2.989
707.5	23095	2.6929	2.6902	2.6985	2.963	2.966	2.906
714.5	23165	2.6974	2.6869	2.6742	2.985	2.856	2.849

LTE BAND 12 Channel bandwidth: 10MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
704.0	23060	8.9681	8.9774	8.9563	9.728	9.738	9.667
707.5	23095	8.9539	8.9665	8.9614	9.820	9.689	9.776
711.0	23130	8.9492	8.9615	8.9471	9.778	9.664	9.716

LTE BAND 13 Channel bandwidth: 10MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
782.0	23230	8.9734	8.9516	8.9519	9.715	9.711	9.676

LTE BAND 66 Channel bandwidth: 3MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1711.5	131987	2.7018	2.6918	2.6947	2.981	2.982	2.976
1745.0	132322	2.6922	2.6921	2.6975	2.970	2.954	2.973
1778.5	132657	2.6906	2.6905	2.6972	2.981	2.970	2.972

LTE BAND 66 Channel bandwidth: 10MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1715.0	132022	8.9502	8.9650	8.9429	9.714	9.734	9.757
1745.0	132322	8.9752	9.0022	8.9515	9.782	9.719	9.770
1775.0	132622	8.9680	8.9492	8.9863	9.741	9.750	9.784

LTE BAND 66 Channel bandwidth: 20MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
1720.0	132072	17.9420	17.8990	17.9120	19.330	19.270	19.430
1745.0	132322	17.8930	17.9250	17.9150	19.380	19.340	19.360
1770.0	132572	17.9520	17.9300	17.9370	19.260	19.230	19.360

LTE BAND 71 Channel bandwidth: 10MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
668.0	133172	8.9534	8.9598	8.9653	9.786	9.733	9.729
680.5	133297	8.9721	8.9555	8.9835	9.729	9.671	9.825
693.0	133422	8.9511	8.9776	8.9371	9.745	9.705	9.726

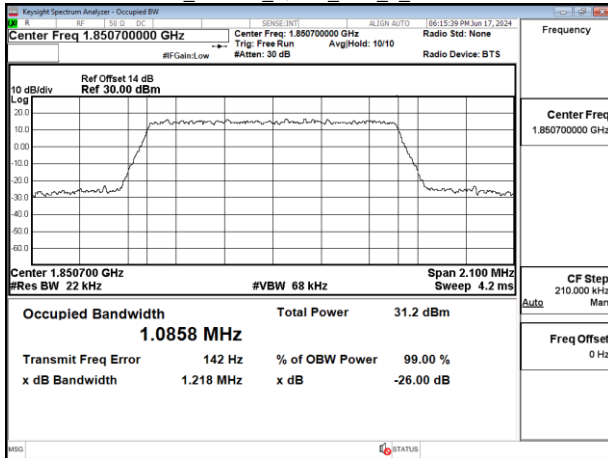
LTE BAND 71 Channel bandwidth: 20MHz							
Freq. (MHz)	CH	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
673.0	133222	17.8590	17.8590	17.8570	19.410	19.200	19.230
680.5	133297	17.8910	17.8950	17.8810	19.340	19.320	19.220
688.0	133372	17.8880	17.9010	17.8950	19.300	19.340	19.250

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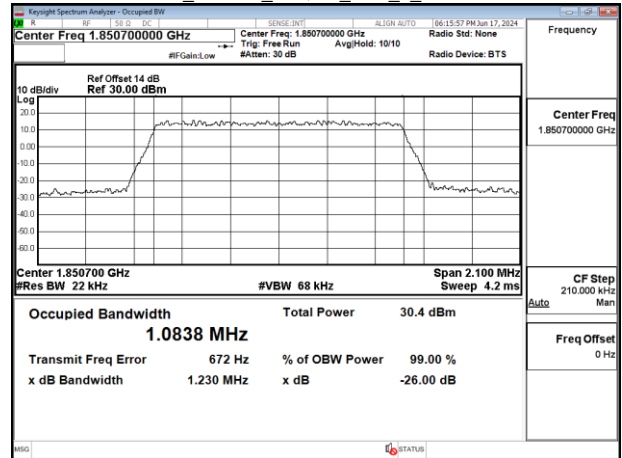
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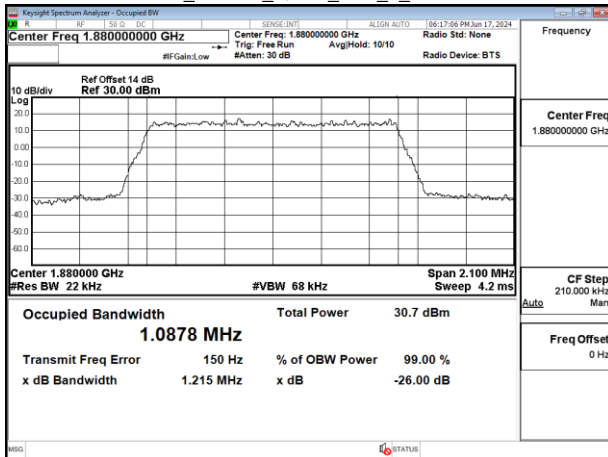
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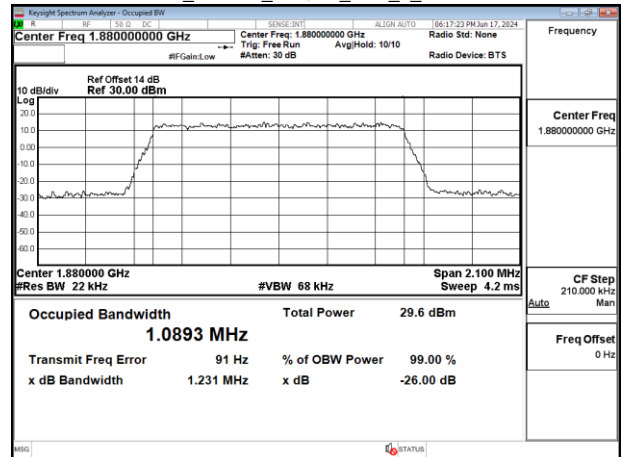
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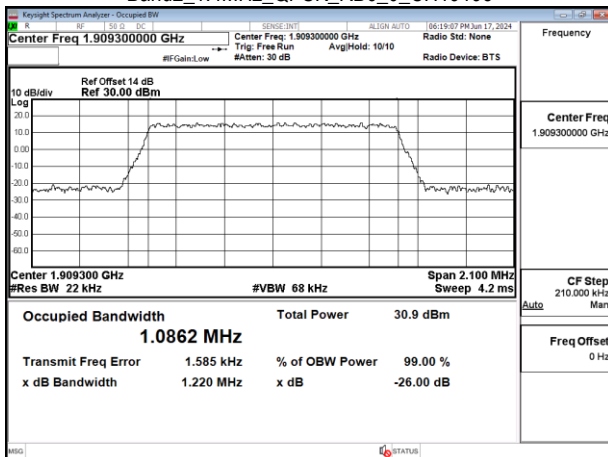
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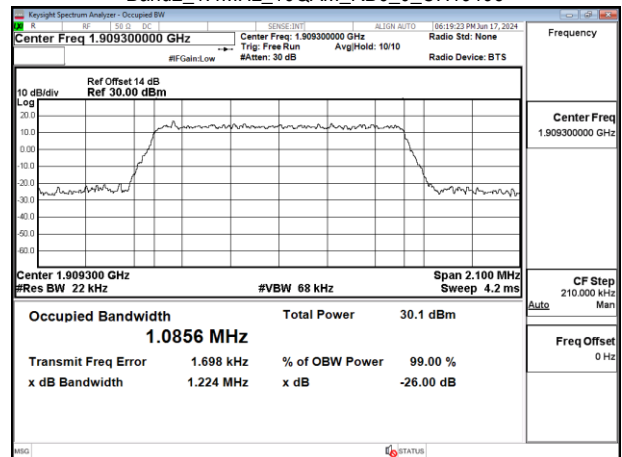
Band2_1.4MHz_16QAM_RB6_0_CH18900



Band2_1.4MHz_QPSK_RB6_0_CH19193



Band2_1.4MHz_16QAM_RB6_0_CH19193

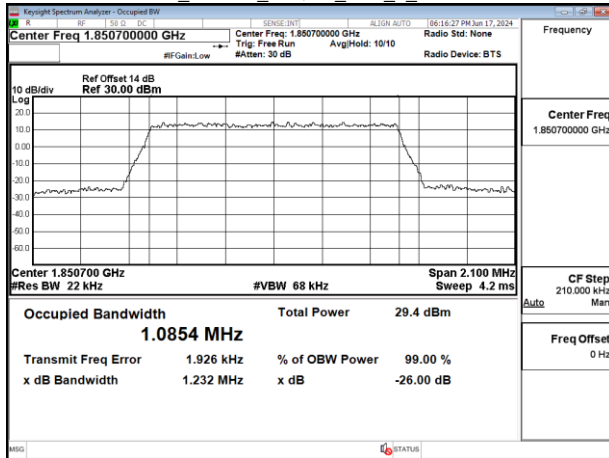


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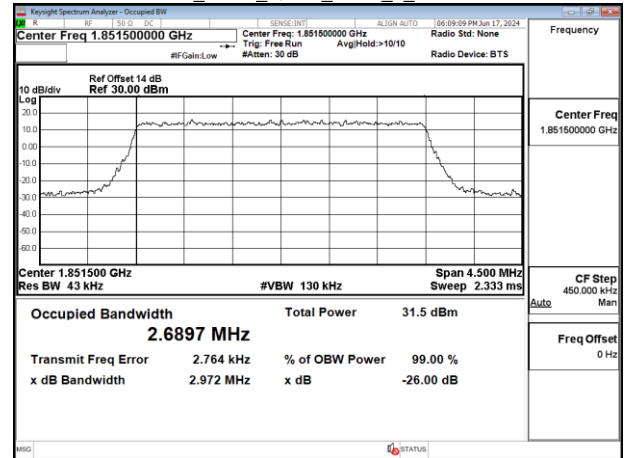
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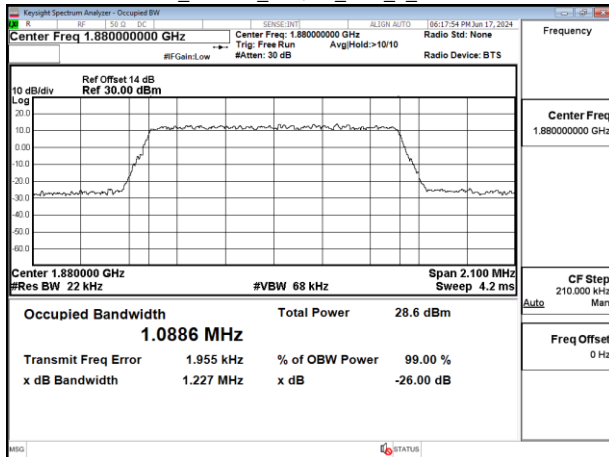
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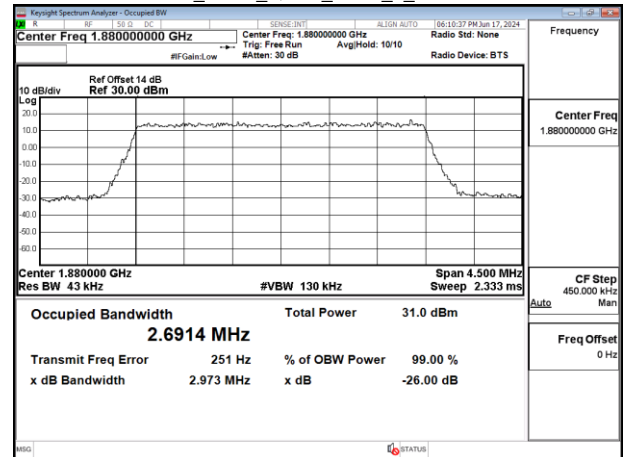
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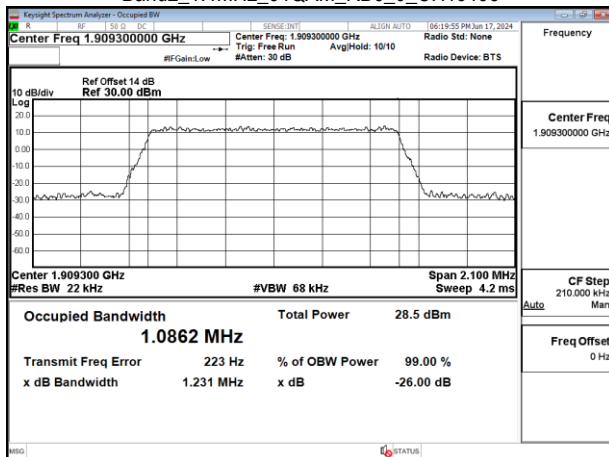
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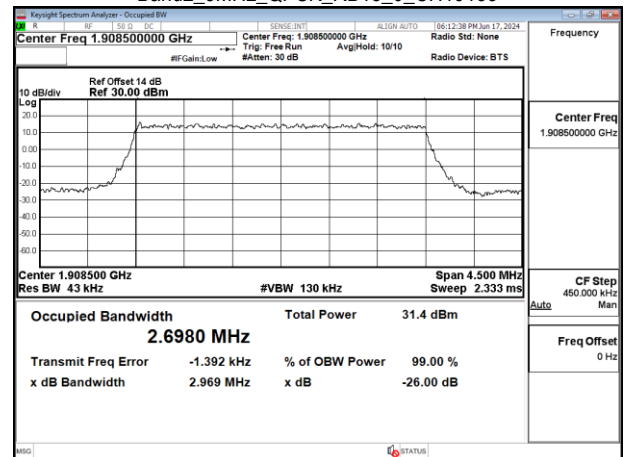
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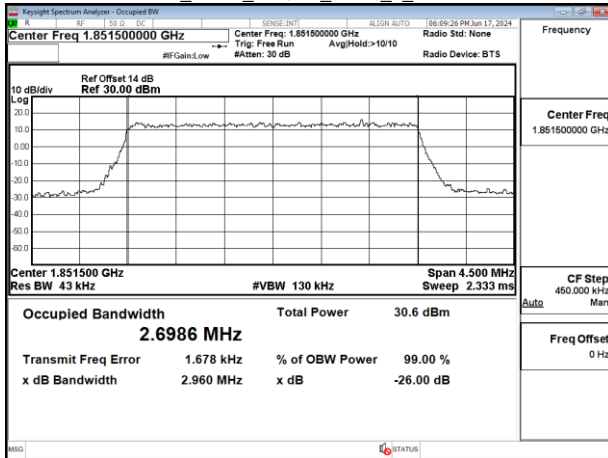


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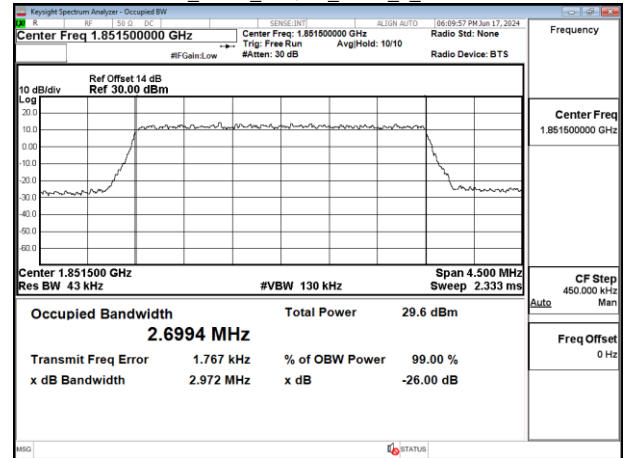
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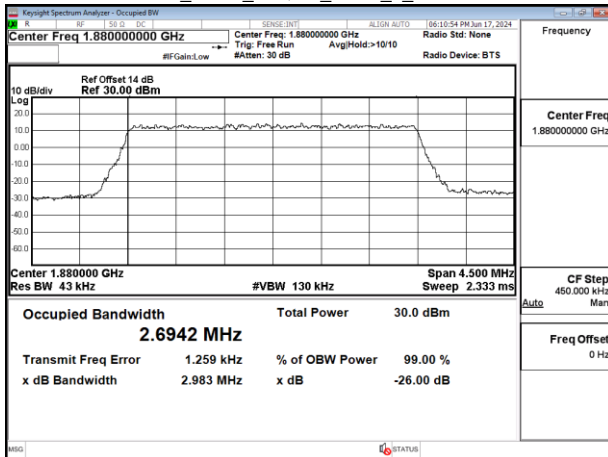
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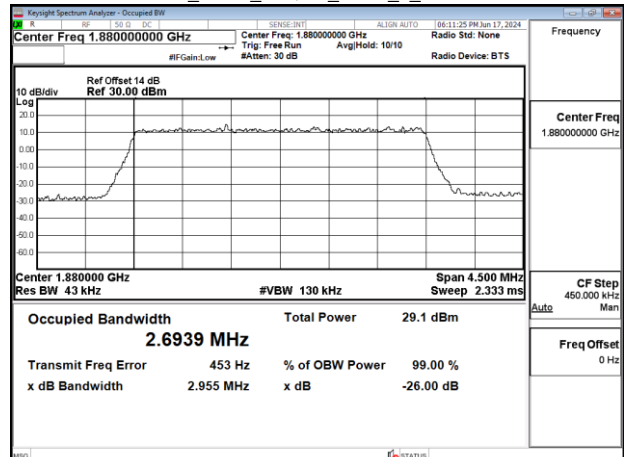
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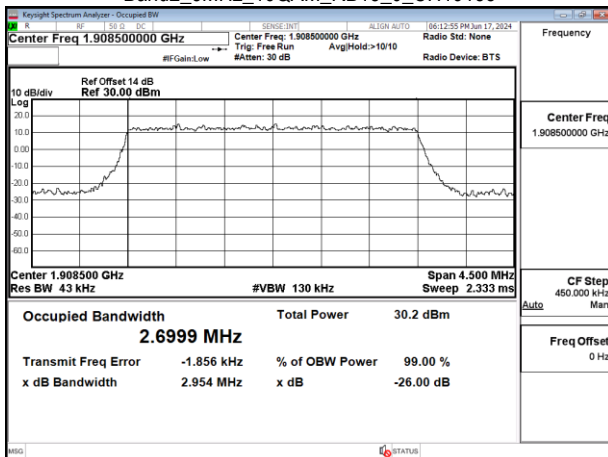
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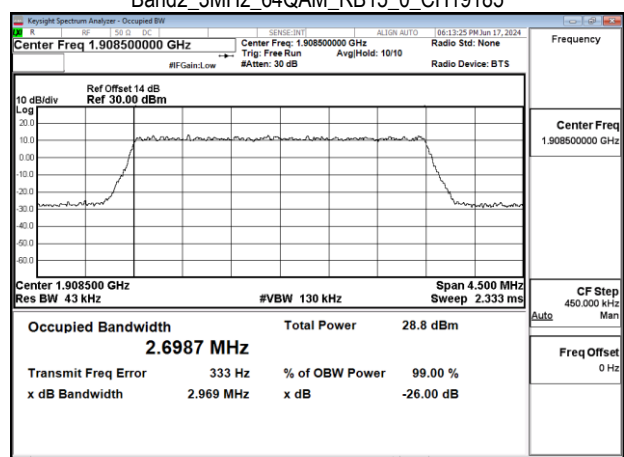
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Band2_3MHz_16QAM_RB15_0_CH19185



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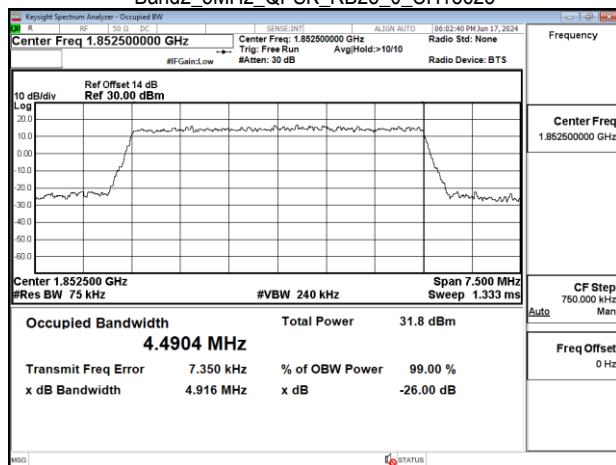


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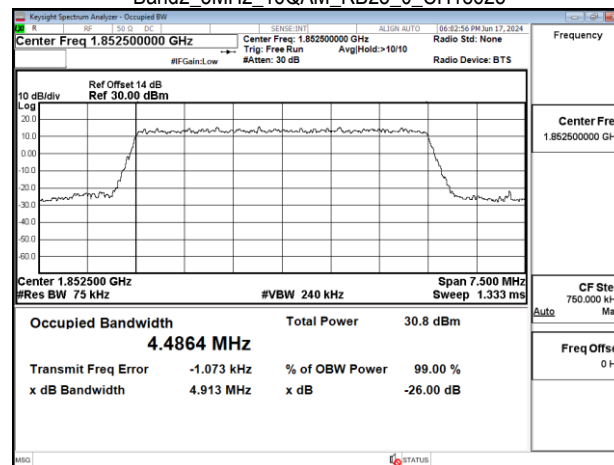
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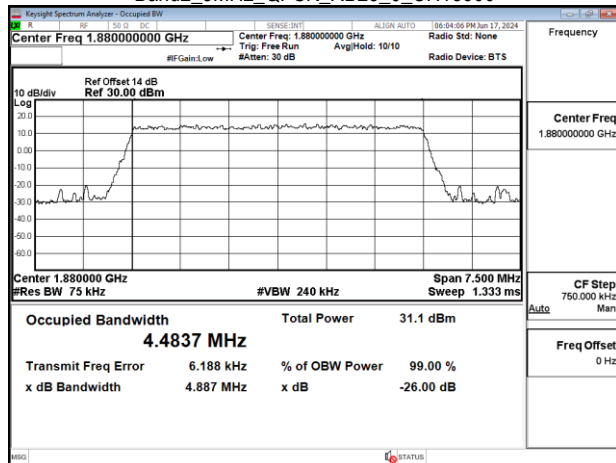
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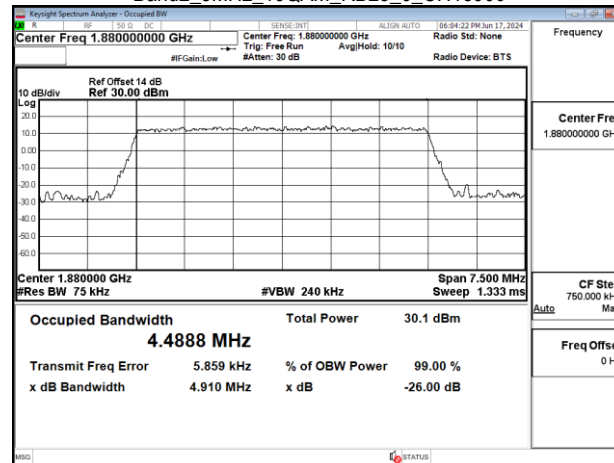
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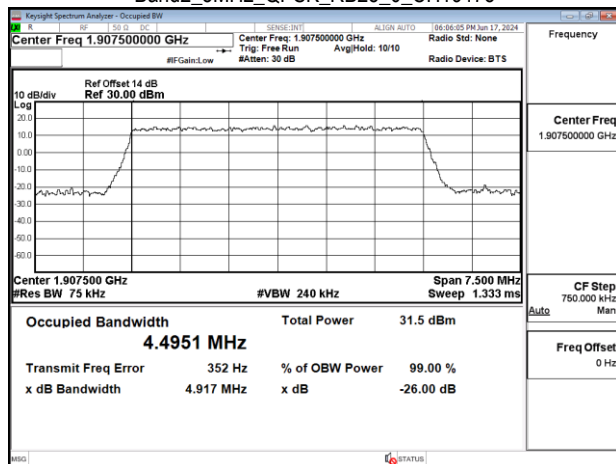
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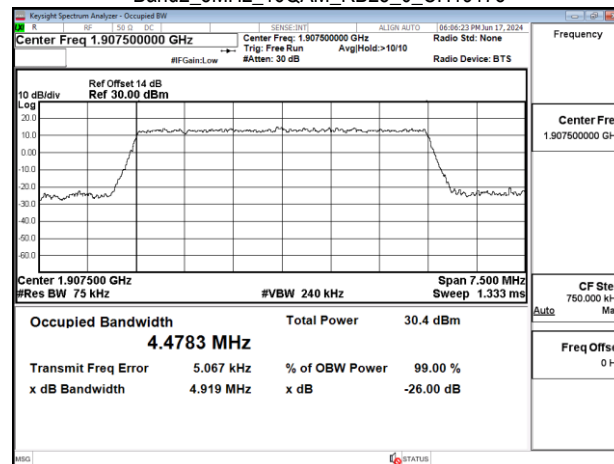
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Band2_5MHz_QPSK_RB25_0_CH19175



Band2_5MHz_16QAM_RB25_0_CH19175

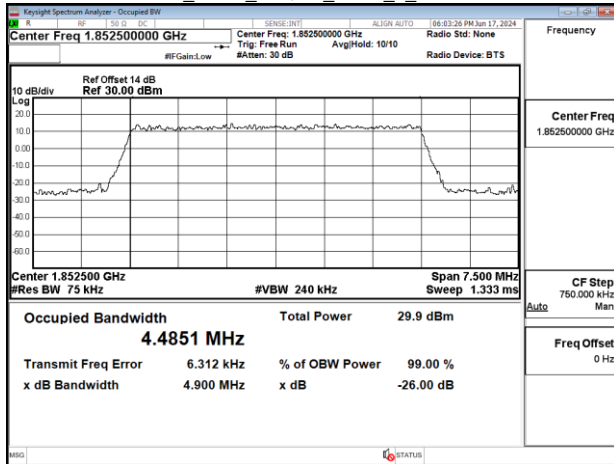


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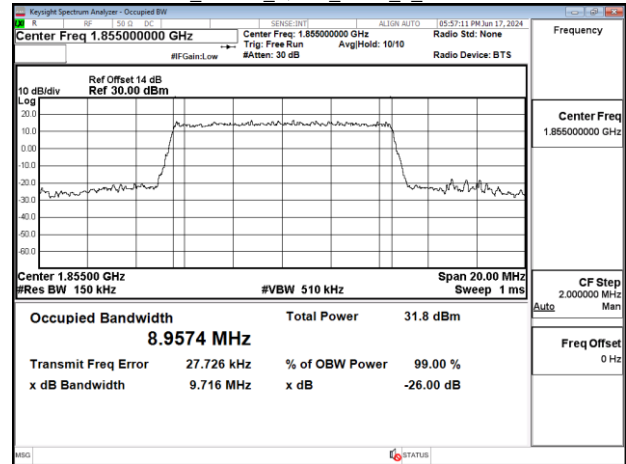
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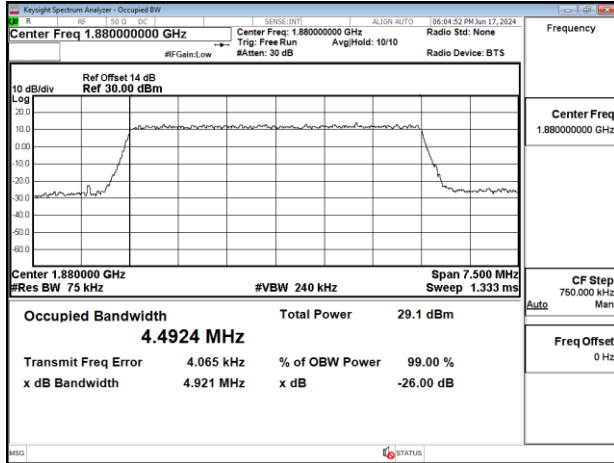
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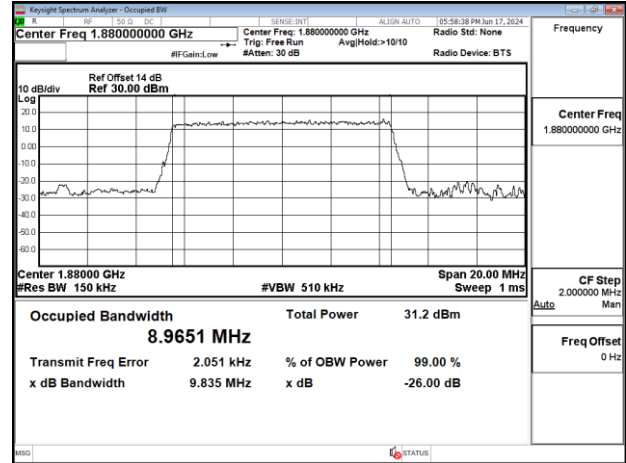
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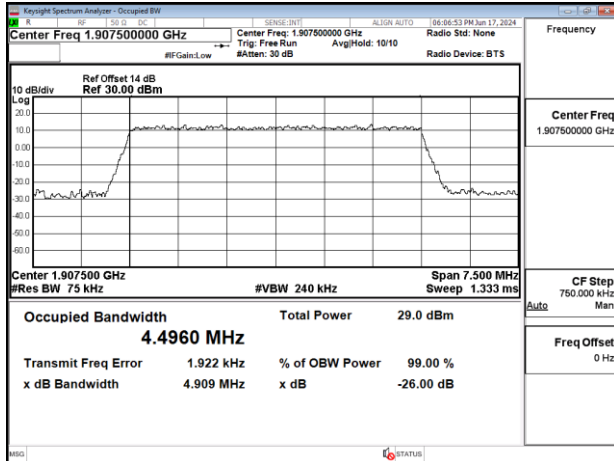
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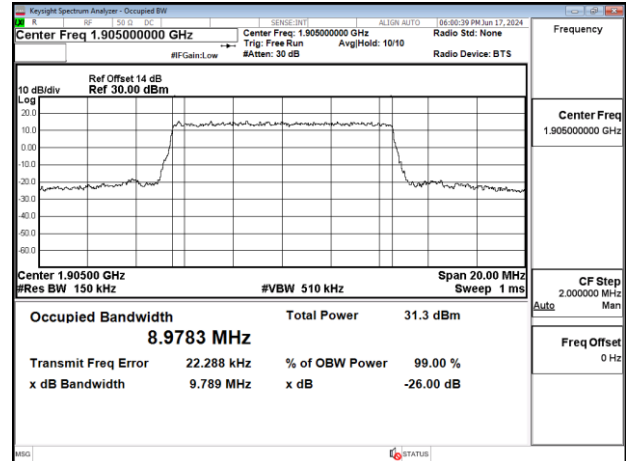
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Band2_5MHz_64QAM_RB25_0_CH19175



Band2_10MHz_QPSK_RB50_0_CH19150

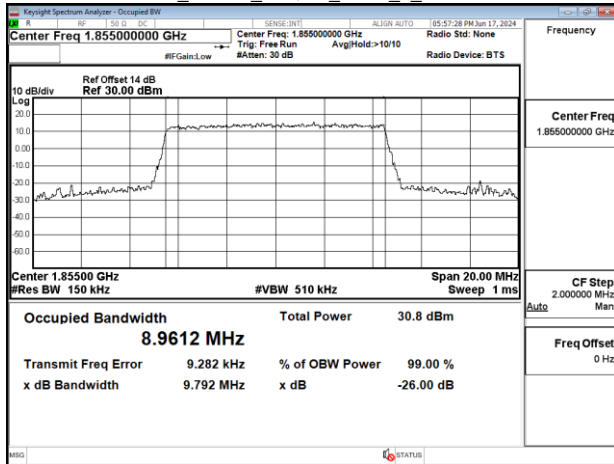


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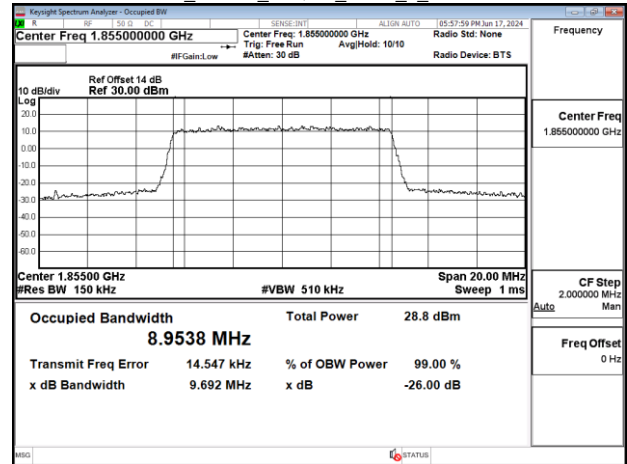
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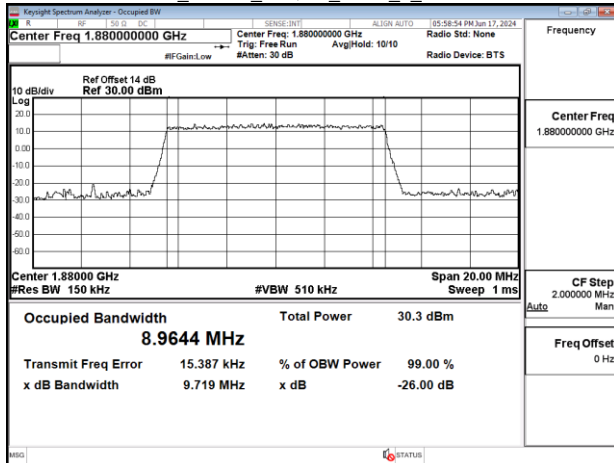
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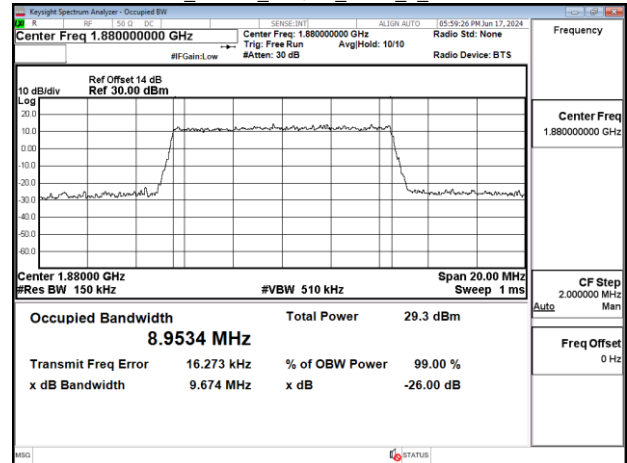
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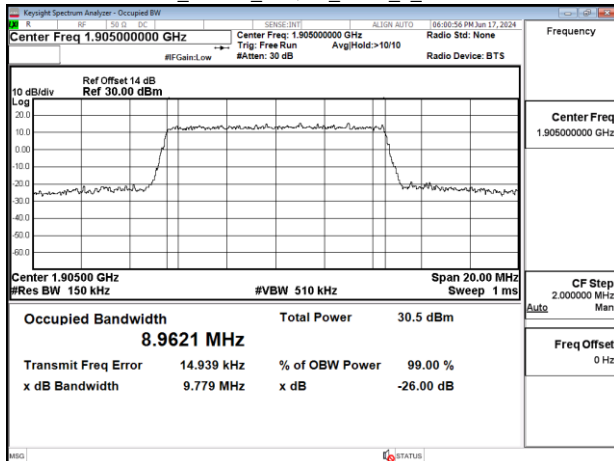
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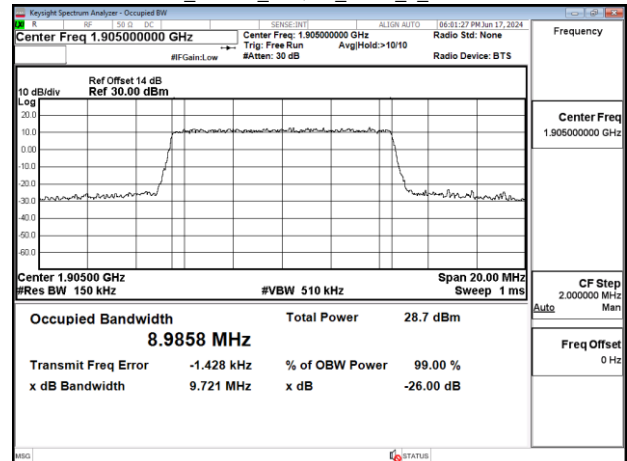
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Band2_10MHz_16QAM_RB50_0_CH19150



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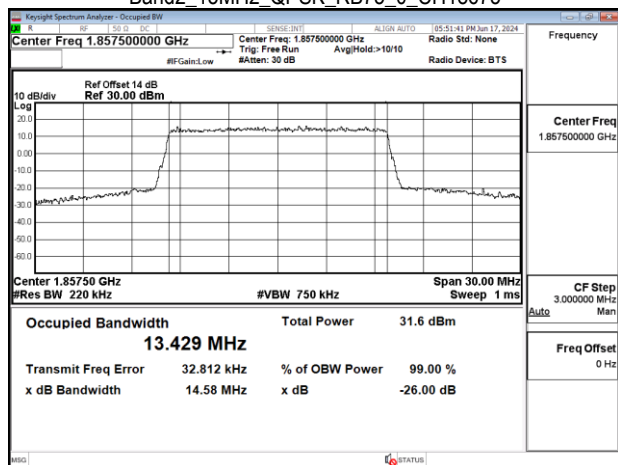


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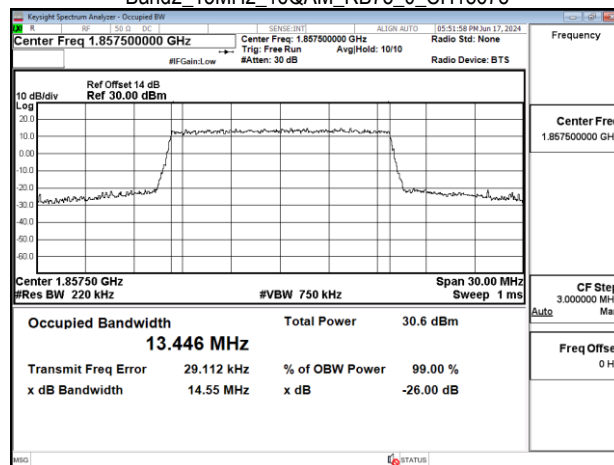
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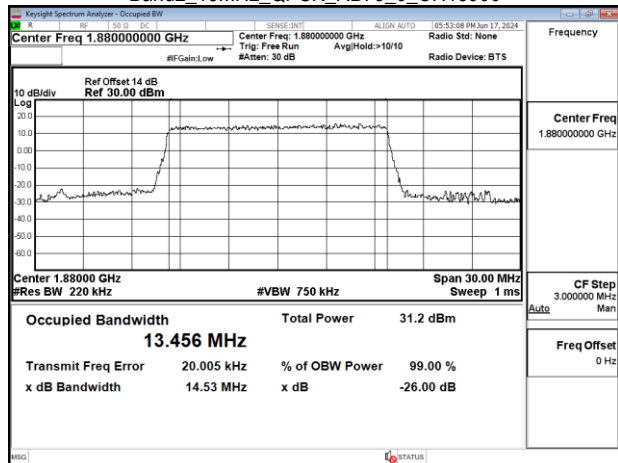
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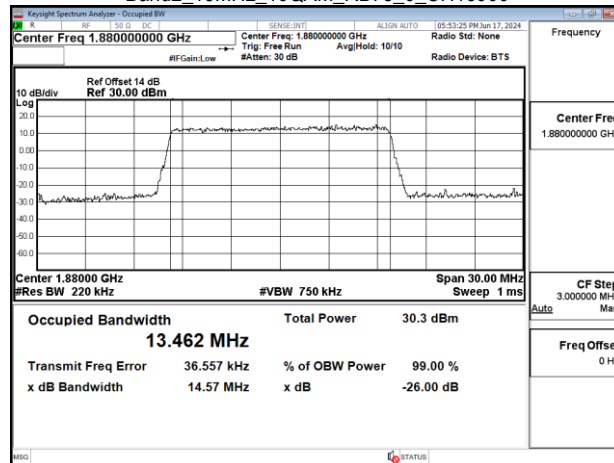
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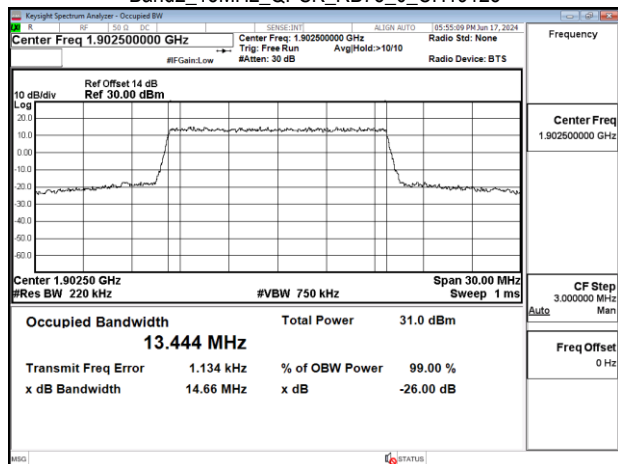
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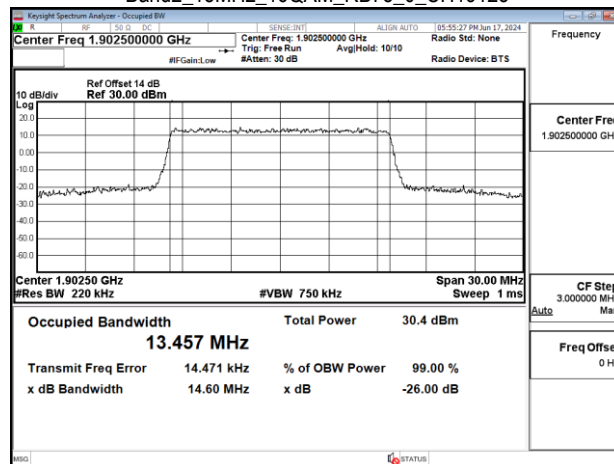
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Band2_15MHz_QPSK_RB75_0_CH19125



Band2_15MHz_16QAM_RB75_0_CH19125

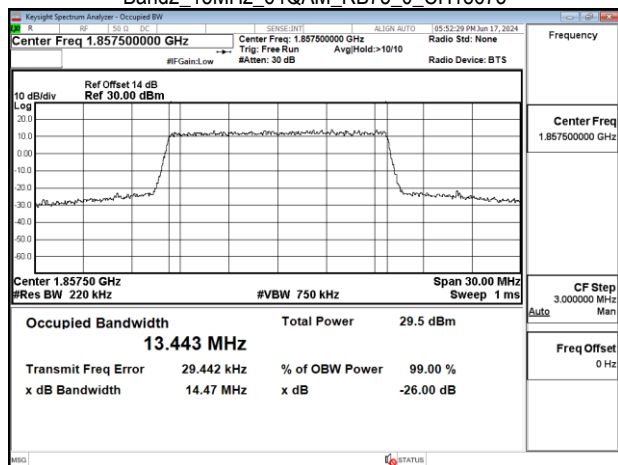


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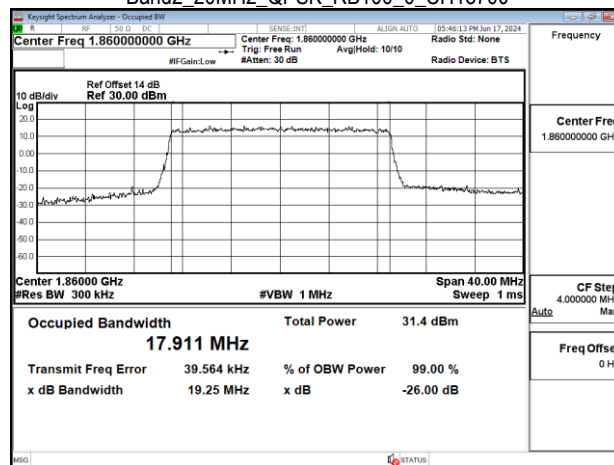
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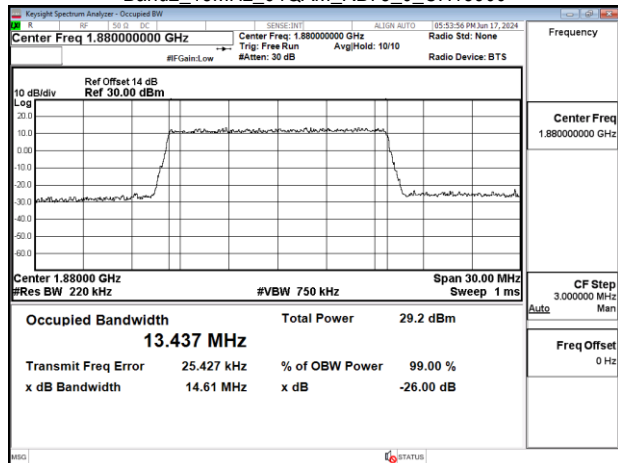
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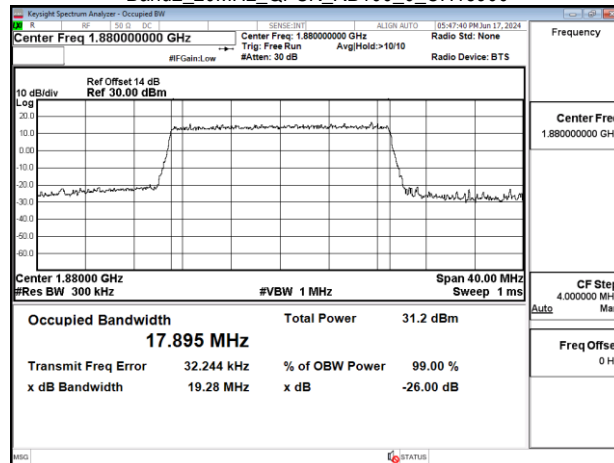
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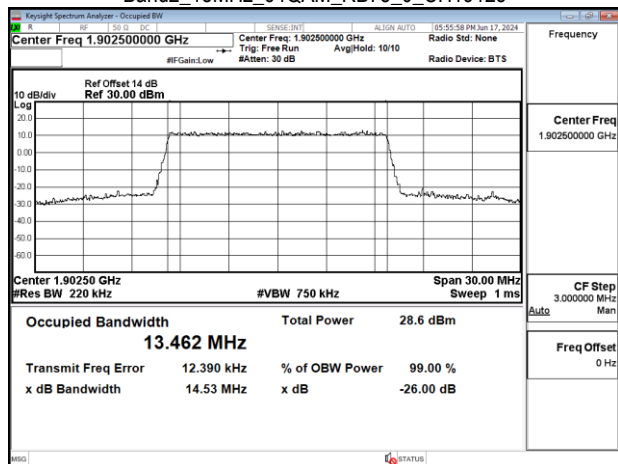
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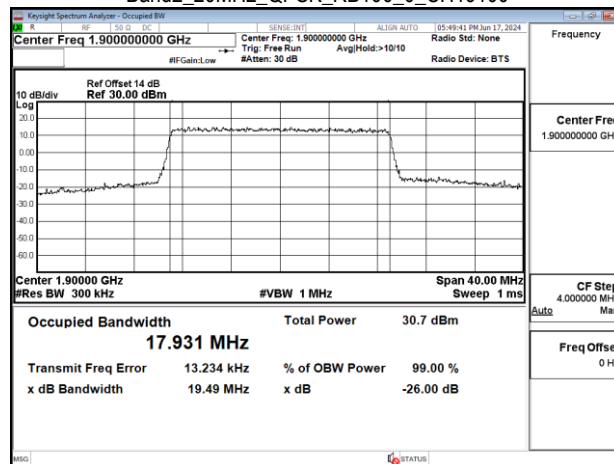
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Band2_20MHz_QPSK_RB100_0_CH19100

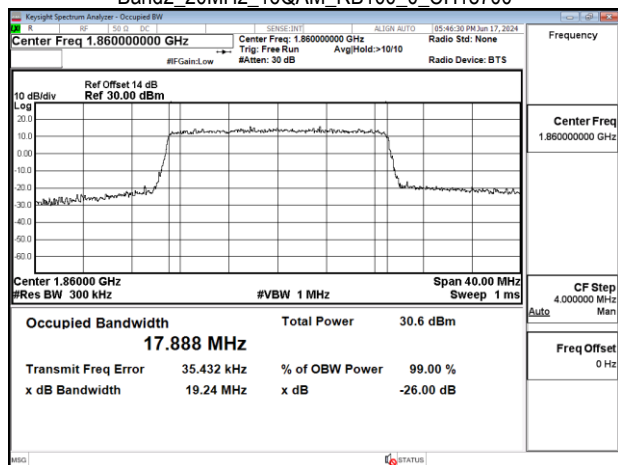


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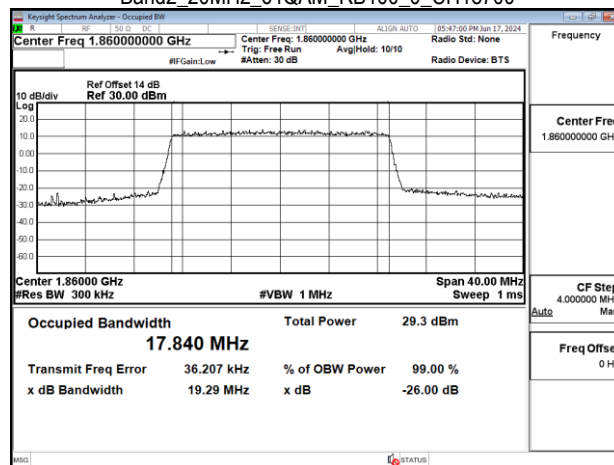
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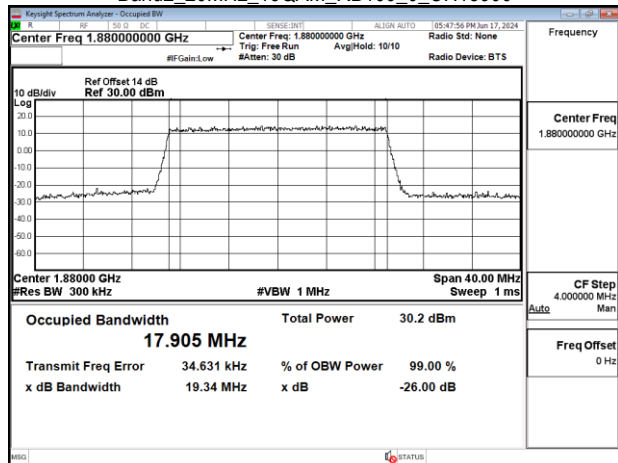
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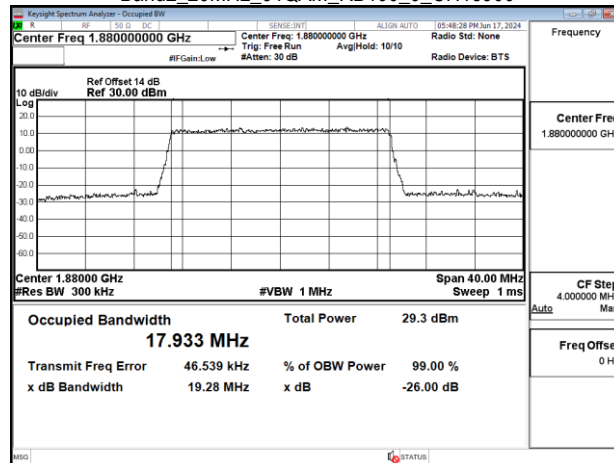
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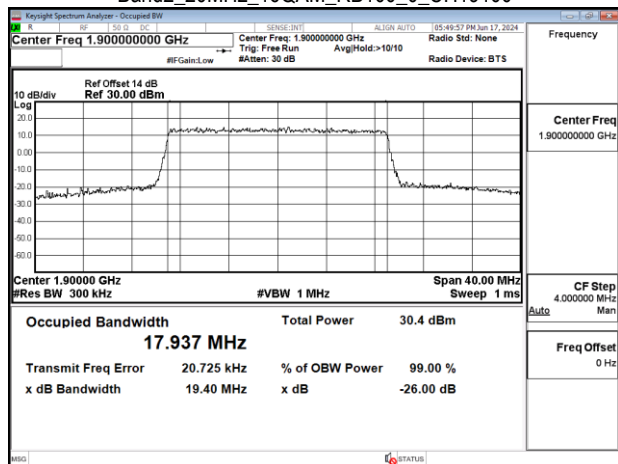
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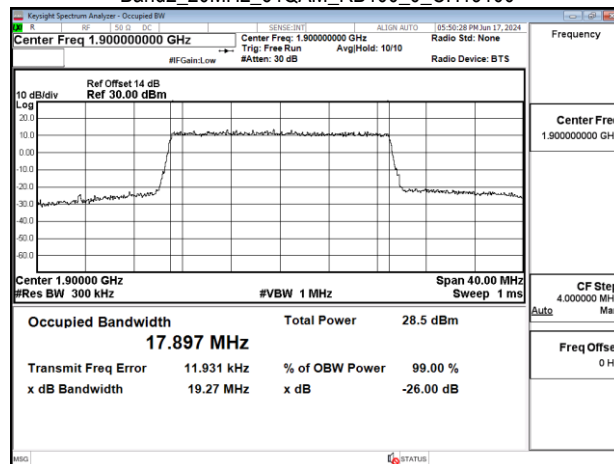
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Band2 20MHz_16QAM_RB100_0_CH19100



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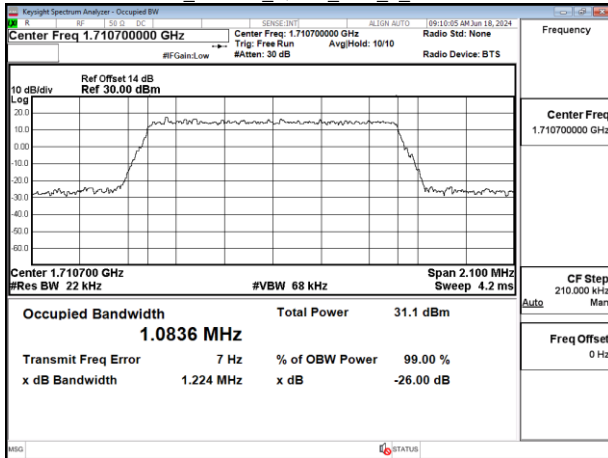


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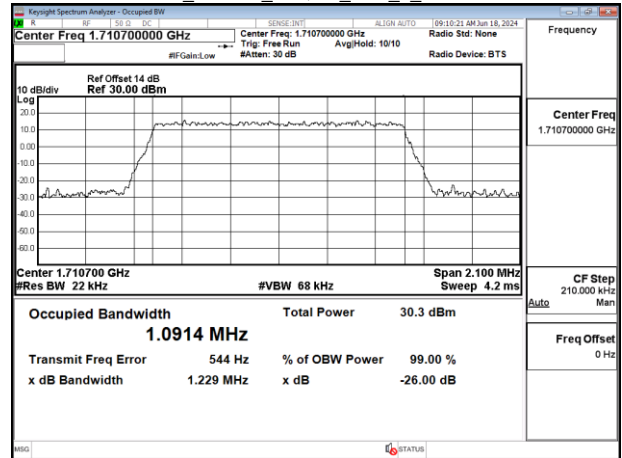
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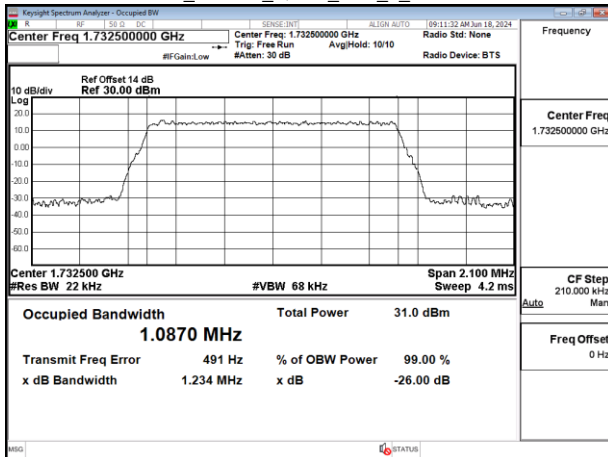
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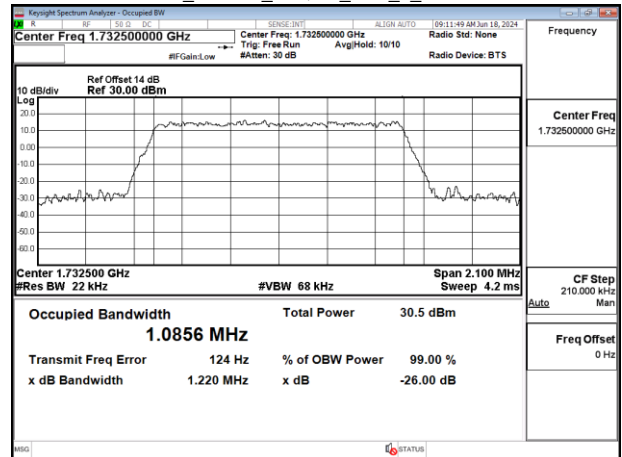
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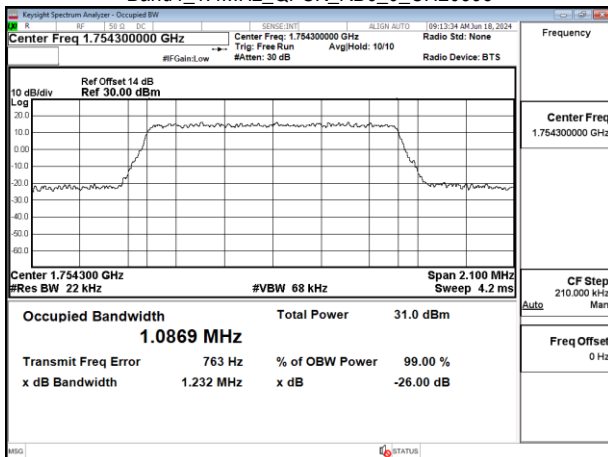
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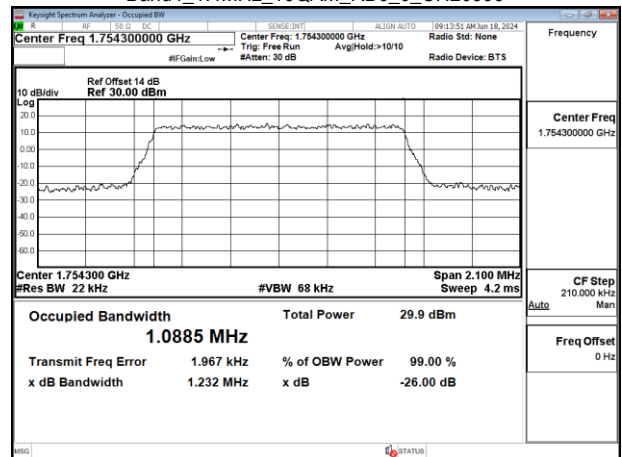
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Band4_1.4MHz_QPSK_RB6_0_CH20393



Band4_1.4MHz_16QAM_RB6_0_CH20393

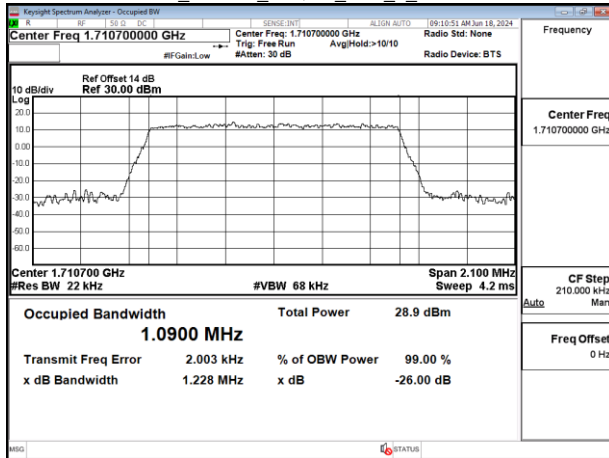


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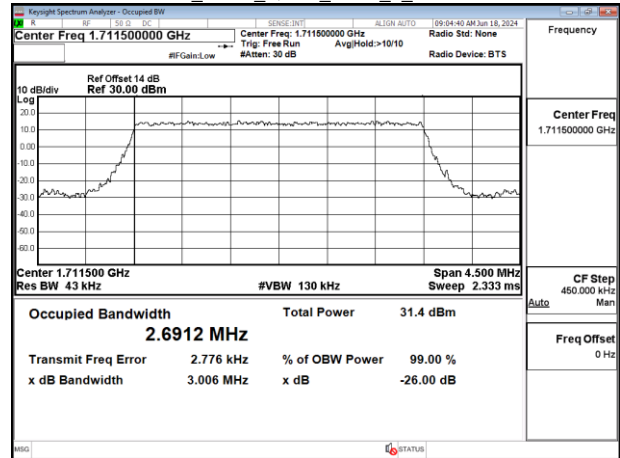
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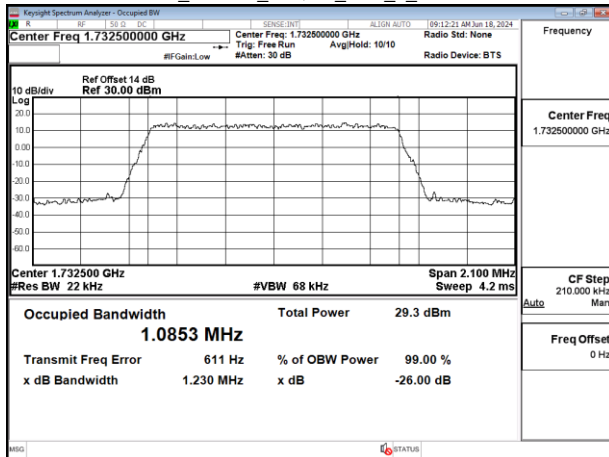
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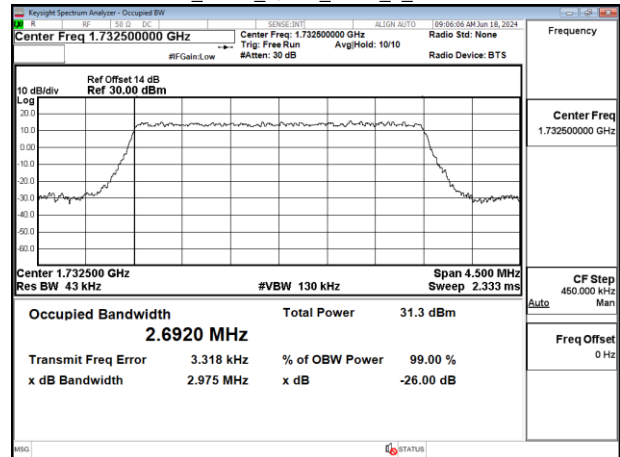
Band4_3MHz_QPSK_RB15_0_CH19965



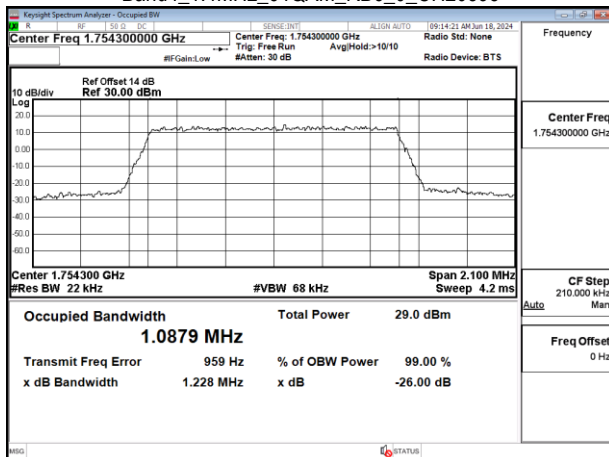
Band4_1.4MHz_64QAM_RB6_0_CH20175



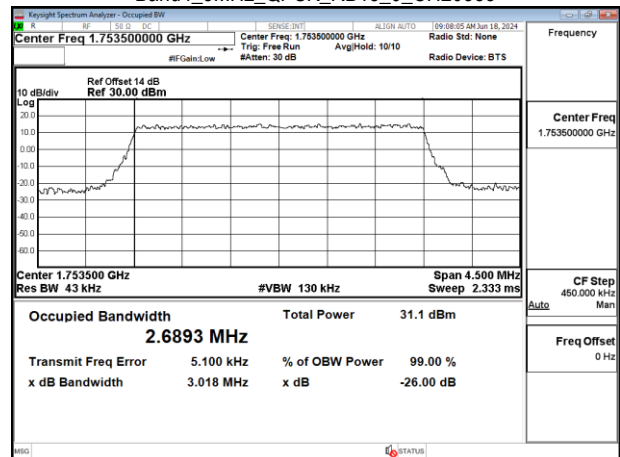
Band4_3MHz_QPSK_RB15_0_CH20175



Band4_1.4MHz_64QAM_RB6_0_CH20393



Band4_3MHz_QPSK_RB15_0_CH20385



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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