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## 1 MAXIMUM OUTPUT POWER

### Part22

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	22.67	21.17	19.02	38.45	-19.43
				1	5	22.76	21.26	19.11	38.45	-19.34
				3	2	21.74	20.24	18.09	38.45	-20.36
				6	0	21.78	20.28	18.13	38.45	-20.32
	20525	836.5	QPSK	1	0	22.75	21.25	19.10	38.45	-19.35
				1	5	22.80	21.30	19.15	38.45	-19.30
				3	2	21.84	20.34	18.19	38.45	-20.26
				6	0	21.76	20.26	18.11	38.45	-20.34
	20643	848.3	QPSK	1	0	22.73	21.23	19.08	38.45	-19.37
				1	5	22.69	21.19	19.04	38.45	-19.41
				3	2	21.69	20.19	18.04	38.45	-20.41
				6	0	21.81	20.31	18.16	38.45	-20.29
1.4	20407	824.7	16QAM	1	0	21.66	20.16	18.01	38.45	-20.44
				1	5	21.83	20.33	18.18	38.45	-20.27
				3	2	20.77	19.27	17.12	38.45	-21.33
				6	0	20.71	19.21	17.06	38.45	-21.39
	20525	836.5	16QAM	1	0	21.69	20.19	18.04	38.45	-20.41
				1	5	21.82	20.32	18.17	38.45	-20.28
				3	2	20.74	19.24	17.09	38.45	-21.36
				6	0	20.73	19.23	17.08	38.45	-21.37
	20643	848.3	16QAM	1	0	21.75	20.25	18.10	38.45	-20.35
				1	5	21.76	20.26	18.11	38.45	-20.34
				3	2	20.78	19.28	17.13	38.45	-21.32
				6	0	20.82	19.32	17.17	38.45	-21.28
1.4	20407	824.7	64QAM	1	0	20.72	19.22	17.07	38.45	-21.38
				1	5	20.81	19.31	17.16	38.45	-21.29
				3	2	19.69	18.19	16.04	38.45	-22.41
				6	0	19.67	18.17	16.02	38.45	-22.43
	20525	836.5	64QAM	1	0	20.76	19.26	17.11	38.45	-21.34
				1	5	20.66	19.16	17.01	38.45	-21.44
				3	2	19.67	18.17	16.02	38.45	-22.43
				6	0	19.77	18.27	16.12	38.45	-22.33
	20643	848.3	64QAM	1	0	20.83	19.33	17.18	38.45	-21.27
				1	5	20.80	19.30	17.15	38.45	-21.30
				3	2	19.73	18.23	16.08	38.45	-22.37
				6	0	19.74	18.24	16.09	38.45	-22.36

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Antenna gain (dBi)	-1.5									
<b>LTE Band 5_Uplink frequency band : 824 to 849 MHz</b>										
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	22.69	21.19	19.04	38.45	-19.41
				1	14	22.67	21.17	19.02	38.45	-19.43
				8	4	21.84	20.34	18.19	38.45	-20.26
				15	0	21.75	20.25	18.10	38.45	-20.35
	20525	836.5	QPSK	1	0	22.77	21.27	19.12	38.45	-19.33
				1	14	22.84	21.34	19.19	38.45	-19.26
				8	4	21.71	20.21	18.06	38.45	-20.39
				15	0	21.67	20.17	18.02	38.45	-20.43
	20635	847.5	QPSK	1	0	22.82	21.32	19.17	38.45	-19.28
				1	14	22.72	21.22	19.07	38.45	-19.38
				8	4	21.79	20.29	18.14	38.45	-20.31
				15	0	21.70	20.20	18.05	38.45	-20.40
3	20415	825.5	16QAM	1	0	21.80	20.30	18.15	38.45	-20.30
				1	14	21.83	20.33	18.18	38.45	-20.27
				8	4	20.79	19.29	17.14	38.45	-21.31
				15	0	20.71	19.21	17.06	38.45	-21.39
	20525	836.5	16QAM	1	0	21.82	20.32	18.17	38.45	-20.28
				1	14	21.73	20.23	18.08	38.45	-20.37
				8	4	20.76	19.26	17.11	38.45	-21.34
				15	0	20.79	19.29	17.14	38.45	-21.31
	20635	847.5	16QAM	1	0	21.80	20.30	18.15	38.45	-20.30
				1	14	21.67	20.17	18.02	38.45	-20.43
				8	4	20.72	19.22	17.07	38.45	-21.38
				15	0	20.68	19.18	17.03	38.45	-21.42
3	20415	825.5	64QAM	1	0	20.75	19.25	17.10	38.45	-21.35
				1	14	20.76	19.26	17.11	38.45	-21.34
				8	4	19.65	18.15	16.00	38.45	-22.45
				15	0	19.75	18.25	16.10	38.45	-22.35
	20525	836.5	64QAM	1	0	20.75	19.25	17.10	38.45	-21.35
				1	14	20.83	19.33	17.18	38.45	-21.27
				8	4	19.73	18.23	16.08	38.45	-22.37
				15	0	19.76	18.26	16.11	38.45	-22.34
	20635	847.5	64QAM	1	0	20.66	19.16	17.01	38.45	-21.44
				1	14	20.66	19.16	17.01	38.45	-21.44
				8	4	19.75	18.25	16.10	38.45	-22.35
				15	0	19.70	18.20	16.05	38.45	-22.40

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Antenna gain (dBi)	-1.5									
<b>LTE Band 5_Uplink frequency band : 824 to 849 MHz</b>										
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	22.67	21.17	19.02	38.45	-19.43
				1	24	22.80	21.30	19.15	38.45	-19.30
				12	6	21.74	20.24	18.09	38.45	-20.36
				25	0	21.69	20.19	18.04	38.45	-20.41
	20525	836.5	QPSK	1	0	22.74	21.24	19.09	38.45	-19.36
				1	24	22.70	21.20	19.05	38.45	-19.40
				12	6	21.82	20.32	18.17	38.45	-20.28
				25	0	21.74	20.24	18.09	38.45	-20.36
	20625	846.5	QPSK	1	0	22.79	21.29	19.14	38.45	-19.31
				1	24	22.81	21.31	19.16	38.45	-19.29
				12	6	21.71	20.21	18.06	38.45	-20.39
				25	0	21.71	20.21	18.06	38.45	-20.39
5	20425	826.5	16QAM	1	0	21.82	20.32	18.17	38.45	-20.28
				1	24	21.72	20.22	18.07	38.45	-20.38
				12	6	20.77	19.27	17.12	38.45	-21.33
				25	0	20.76	19.26	17.11	38.45	-21.34
	20525	836.5	16QAM	1	0	21.78	20.28	18.13	38.45	-20.32
				1	24	21.71	20.21	18.06	38.45	-20.39
				12	6	20.82	19.32	17.17	38.45	-21.28
				25	0	20.70	19.20	17.05	38.45	-21.40
	20625	846.5	16QAM	1	0	21.76	20.26	18.11	38.45	-20.34
				1	24	21.79	20.29	18.14	38.45	-20.31
				12	6	20.74	19.24	17.09	38.45	-21.36
				25	0	20.68	19.18	17.03	38.45	-21.42
5	20425	826.5	64QAM	1	0	20.70	19.20	17.05	38.45	-21.40
				1	24	20.68	19.18	17.03	38.45	-21.42
				12	6	19.76	18.26	16.11	38.45	-22.34
				25	0	19.76	18.26	16.11	38.45	-22.34
	20525	836.5	64QAM	1	0	20.74	19.24	17.09	38.45	-21.36
				1	24	20.73	19.23	17.08	38.45	-21.37
				12	6	19.73	18.23	16.08	38.45	-22.37
				25	0	19.80	18.30	16.15	38.45	-22.30
	20625	846.5	64QAM	1	0	20.68	19.18	17.03	38.45	-21.42
				1	24	20.66	19.16	17.01	38.45	-21.44
				12	6	19.71	18.21	16.06	38.45	-22.39
				25	0	19.71	18.21	16.06	38.45	-22.39

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Antenna gain (dBi)	-1.5									
<b>LTE Band 5_Uplink frequency band : 824 to 849 MHz</b>										
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	829.0	QPSK	1	0	22.89	21.39	19.24	38.45	-19.21
				1	49	22.83	21.33	19.18	38.45	-19.27
				25	12	21.81	20.31	18.16	38.45	-20.29
				50	0	21.84	20.34	18.19	38.45	-20.26
	20525	836.5	QPSK	1	0	22.93	21.43	<b>19.28</b>	38.45	-19.17
				1	49	22.79	21.29	19.14	38.45	-19.31
				25	12	21.66	20.16	18.01	38.45	-20.44
				50	0	21.73	20.23	18.08	38.45	-20.37
	20600	844.0	QPSK	1	0	22.87	21.37	19.22	38.45	-19.23
				1	49	22.78	21.28	19.13	38.45	-19.32
				25	12	21.65	20.15	18.00	38.45	-20.45
				50	0	21.79	20.29	18.14	38.45	-20.31
10	20450	829.0	16QAM	1	0	21.68	20.18	18.03	38.45	-20.42
				1	49	21.74	20.24	18.09	38.45	-20.36
				25	12	20.77	19.27	17.12	38.45	-21.33
				50	0	20.68	19.18	17.03	38.45	-21.42
	20525	836.5	16QAM	1	0	21.71	20.21	18.06	38.45	-20.39
				1	49	21.84	20.34	<b>18.19</b>	38.45	-20.26
				25	12	20.69	19.19	17.04	38.45	-21.41
				50	0	20.70	19.20	17.05	38.45	-21.40
	20600	844.0	16QAM	1	0	21.75	20.25	18.10	38.45	-20.35
				1	49	21.67	20.17	18.02	38.45	-20.43
				25	12	20.70	19.20	17.05	38.45	-21.40
				50	0	20.74	19.24	17.09	38.45	-21.36
10	20450	829.0	64QAM	1	0	20.71	19.21	17.06	38.45	-21.39
				1	49	20.73	19.23	17.08	38.45	-21.37
				25	12	19.69	18.19	16.04	38.45	-22.41
				50	0	19.84	18.34	16.19	38.45	-22.26
	20525	836.5	64QAM	1	0	20.82	19.32	17.17	38.45	-21.28
				1	49	20.71	19.21	17.06	38.45	-21.39
				25	12	19.81	18.31	16.16	38.45	-22.29
				50	0	19.74	18.24	16.09	38.45	-22.36
	20600	844.0	64QAM	1	0	20.67	19.17	17.02	38.45	-21.43
				1	49	20.77	19.27	17.12	38.45	-21.33
				25	12	19.68	18.18	16.03	38.45	-22.42
				50	0	19.72	18.22	16.07	38.45	-22.38

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Part24

Antenna gain (dBi)	2							
<b>LTE Band 2_Uplink frequency band : 1850 to 1910 MHz</b>								
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)
1.4	18607	1850.7	QPSK	1	0	20.44	22.44	33
				1	5	20.27	22.27	33
				3	2	20.33	22.33	33
				6	0	19.34	21.34	33
	18900	1880	QPSK	1	0	20.46	<b>22.46</b>	33
				1	5	20.42	22.42	33
				3	2	20.41	22.41	33
				6	0	19.55	21.55	33
	19193	1909.3	QPSK	1	0	20.38	22.38	33
				1	5	20.38	22.38	33
				3	2	20.37	22.37	33
				6	0	19.45	21.45	33
1.4	18607	1850.7	16QAM	1	0	19.50	21.50	33
				1	5	19.39	21.39	33
				3	2	19.46	21.46	33
				6	0	18.45	20.45	33
	18900	1880	16QAM	1	0	19.51	21.51	33
				1	5	19.48	21.48	33
				3	2	19.56	<b>21.56</b>	33
				6	0	18.61	20.61	33
	19193	1909.3	16QAM	1	0	19.50	21.50	33
				1	5	19.56	<b>21.56</b>	33
				3	2	19.44	21.44	33
				6	0	18.60	20.60	33
1.4	18607	1850.7	64QAM	1	0	18.46	20.46	33
				1	5	18.57	20.57	33
				3	2	18.45	20.45	33
				6	0	17.65	19.65	33
	18900	1880	64QAM	1	0	18.59	20.59	33
				1	5	18.53	20.53	33
				3	2	18.59	20.59	33
				6	0	17.63	19.63	33
	19193	1909.3	64QAM	1	0	18.67	20.67	33
				1	5	18.51	20.51	33
				3	2	18.65	20.65	33
				6	0	17.67	19.67	33

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Antenna gain (dBi)		2							
<b>LTE Band 2_Uplink frequency band : 1850 to 1910 MHz</b>									
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	20.34	22.34	33	-10.66
				1	14	20.26	22.26	33	-10.74
				8	4	19.39	21.39	33	-11.61
				15	0	19.34	21.34	33	-11.66
	18900	1880.0	QPSK	1	0	20.44	22.44	33	-10.56
				1	14	20.48	22.48	33	-10.52
				8	4	19.56	21.56	33	-11.44
				15	0	19.45	21.45	33	-11.55
	19185	1908.5	QPSK	1	0	20.37	22.37	33	-10.63
				1	14	20.34	22.34	33	-10.66
				8	4	19.36	21.36	33	-11.64
				15	0	19.48	21.48	33	-11.52
3	18615	1851.5	16QAM	1	0	19.46	21.46	33	-11.54
				1	14	19.40	21.40	33	-11.60
				8	4	18.46	20.46	33	-12.54
				15	0	18.41	20.41	33	-12.59
	18900	1880.0	16QAM	1	0	19.43	21.43	33	-11.57
				1	14	19.44	21.44	33	-11.56
				8	4	18.57	20.57	33	-12.43
				15	0	18.59	20.59	33	-12.41
	19185	1908.5	16QAM	1	0	19.39	21.39	33	-11.61
				1	14	19.34	21.34	33	-11.66
				8	4	18.46	20.46	33	-12.54
				15	0	18.57	20.57	33	-12.43
3	18615	1851.5	64QAM	1	0	18.54	20.54	33	-12.46
				1	14	18.45	20.45	33	-12.55
				8	4	17.58	19.58	33	-13.42
				15	0	17.54	19.54	33	-13.46
	18900	1880.0	64QAM	1	0	18.53	20.53	33	-12.47
				1	14	18.51	20.51	33	-12.49
				8	4	17.72	19.72	33	-13.28
				15	0	17.69	19.69	33	-13.31
	19185	1908.5	64QAM	1	0	18.46	20.46	33	-12.54
				1	14	18.40	20.40	33	-12.60
				8	4	17.55	19.55	33	-13.45
				15	0	17.58	19.58	33	-13.42

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Antenna gain (dBi)		2							
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	20.56	22.56	33	-10.44
				1	24	20.59	22.59	33	-10.41
				12	6	19.74	21.74	33	-11.26
				25	0	19.68	21.68	33	-11.32
	18900	1880.0	QPSK	1	0	20.66	<b>22.66</b>	33	-10.34
				1	24	20.59	22.59	33	-10.41
				12	6	19.72	21.72	33	-11.28
				25	0	19.77	21.77	33	-11.23
	19175	1907.5	QPSK	1	0	20.62	22.62	33	-10.38
				1	24	20.58	22.58	33	-10.42
				12	6	19.79	21.79	33	-11.21
				25	0	19.78	21.78	33	-11.22
5	18625	1852.5	16QAM	1	0	19.69	21.69	33	-11.31
				1	24	19.77	<b>21.77</b>	33	-11.23
				12	6	18.80	20.80	33	-12.20
				25	0	18.74	20.74	33	-12.26
	18900	1880.0	16QAM	1	0	19.77	<b>21.77</b>	33	-11.23
				1	24	19.63	21.63	33	-11.37
				12	6	18.79	20.79	33	-12.21
				25	0	18.79	20.79	33	-12.21
	19175	1907.5	16QAM	1	0	19.71	21.71	33	-11.29
				1	24	19.67	21.67	33	-11.33
				12	6	18.76	20.76	33	-12.24
				25	0	18.81	20.81	33	-12.19
5	18625	1852.5	64QAM	1	0	18.77	20.77	33	-12.23
				1	24	18.78	20.78	33	-12.22
				12	6	17.79	19.79	33	-13.21
				25	0	17.88	19.88	33	-13.12
	18900	1880.0	64QAM	1	0	18.70	20.70	33	-12.30
				1	24	18.82	20.82	33	-12.18
				12	6	17.80	19.80	33	-13.20
				25	0	17.82	19.82	33	-13.18
	19175	1907.5	64QAM	1	0	18.69	20.69	33	-12.31
				1	24	18.85	20.85	33	-12.15
				12	6	17.90	19.90	33	-13.10
				25	0	17.94	19.94	33	-13.06

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Antenna gain (dBi)		2							
<b>LTE Band 2_Uplink frequency band : 1850 to 1910 MHz</b>									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10	18650	1855.0	QPSK	1	0	20.53	22.53	33	-10.47
				1	49	20.49	22.49	33	-10.51
				25	12	19.65	21.65	33	-11.35
				50	0	19.54	21.54	33	-11.46
	18900	1880.0	QPSK	1	0	20.45	22.45	33	-10.55
				1	49	20.48	22.48	33	-10.52
				25	12	19.59	21.59	33	-11.41
				50	0	19.63	21.63	33	-11.37
	19150	1905.0	QPSK	1	0	20.51	22.51	33	-10.49
				1	49	20.58	22.58	33	-10.42
				25	12	19.61	21.61	33	-11.39
				50	0	19.54	21.54	33	-11.46
10	18650	1855.0	16QAM	1	0	19.65	21.65	33	-11.35
				1	49	19.52	21.52	33	-11.48
				25	12	18.71	20.71	33	-12.29
				50	0	18.66	20.66	33	-12.34
	18900	1880.0	16QAM	1	0	19.56	21.56	33	-11.44
				1	49	19.62	21.62	33	-11.38
				25	12	18.77	20.77	33	-12.23
				50	0	18.71	20.71	33	-12.29
	19150	1905.0	16QAM	1	0	19.58	21.58	33	-11.42
				1	49	19.58	21.58	33	-11.42
				25	12	18.75	20.75	33	-12.25
				50	0	18.66	20.66	33	-12.34
10	18650	1855.0	64QAM	1	0	18.77	20.77	33	-12.23
				1	49	18.77	20.77	33	-12.23
				25	12	17.69	19.69	33	-13.31
				50	0	17.85	19.85	33	-13.15
	18900	1880.0	64QAM	1	0	18.77	20.77	33	-12.23
				1	49	18.72	20.72	33	-12.28
				25	12	17.72	19.72	33	-13.28
				50	0	17.75	19.75	33	-13.25
	19150	1905.0	64QAM	1	0	18.75	20.75	33	-12.25
				1	49	18.73	20.73	33	-12.27
				25	12	17.78	19.78	33	-13.22
				50	0	17.75	19.75	33	-13.25

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Antenna gain (dBi)		2							
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	20.56	22.56	33	-10.44
				1	74	20.43	22.43	33	-10.57
				36	18	19.57	21.57	33	-11.43
				75	0	19.56	21.56	33	-11.44
	18900	1880.0	QPSK	1	0	20.53	22.53	33	-10.47
				1	74	20.53	22.53	33	-10.47
				36	18	19.68	21.68	33	-11.32
				75	0	19.68	21.68	33	-11.32
	19125	1902.5	QPSK	1	0	20.49	22.49	33	-10.51
				1	74	20.57	22.57	33	-10.43
				36	18	19.65	21.65	33	-11.35
				75	0	19.70	21.70	33	-11.30
15	18675	1857.5	16QAM	1	0	19.61	21.61	33	-11.39
				1	74	19.63	21.63	33	-11.37
				36	18	18.78	20.78	33	-12.22
				75	0	18.68	20.68	33	-12.32
	18900	1880.0	16QAM	1	0	19.59	21.59	33	-11.41
				1	74	19.53	21.53	33	-11.47
				36	18	18.77	20.77	33	-12.23
				75	0	18.66	20.66	33	-12.34
	19125	1902.5	16QAM	1	0	19.54	21.54	33	-11.46
				1	74	19.63	21.63	33	-11.37
				36	18	18.77	20.77	33	-12.23
				75	0	18.64	20.64	33	-12.36
15	18675	1857.5	64QAM	1	0	18.71	20.71	33	-12.29
				1	74	18.73	20.73	33	-12.27
				36	18	17.85	19.85	33	-13.15
				75	0	17.83	19.83	33	-13.17
	18900	1880.0	64QAM	1	0	18.68	20.68	33	-12.32
				1	74	18.67	20.67	33	-12.33
				36	18	17.77	19.77	33	-13.23
				75	0	17.84	19.84	33	-13.16
	19125	1902.5	64QAM	1	0	18.66	20.66	33	-12.34
				1	74	18.71	20.71	33	-12.29
				36	18	17.79	19.79	33	-13.21
				75	0	17.79	19.79	33	-13.21

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Antenna gain (dBi)		2							
<b>LTE Band 2_Uplink frequency band : 1850 to 1910 MHz</b>									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
20	18700	1860.0	QPSK	1	0	20.64	22.64	33	-10.36
				1	99	20.45	22.45	33	-10.55
				50	25	19.53	21.53	33	-11.47
				100	0	19.56	21.56	33	-11.44
	18900	1880.0	QPSK	1	0	20.68	<b>22.68</b>	33	-10.32
				1	99	20.55	22.55	33	-10.45
				50	25	19.69	21.69	33	-11.31
				100	0	19.60	21.60	33	-11.40
	19100	1900.0	QPSK	1	0	20.66	22.66	33	-10.34
				1	99	20.60	22.60	33	-10.40
				50	25	19.53	21.53	33	-11.47
				100	0	19.54	21.54	33	-11.46
20	18700	1860.0	16QAM	1	0	19.54	21.54	33	-11.46
				1	99	19.63	21.63	33	-11.37
				50	25	18.76	20.76	33	-12.24
				100	0	18.66	20.66	33	-12.34
	18900	1880.0	16QAM	1	0	19.65	21.65	33	-11.35
				1	99	19.54	21.54	33	-11.46
				50	25	18.66	20.66	33	-12.34
				100	0	18.76	20.76	33	-12.24
	19100	1900.0	16QAM	1	0	19.70	<b>21.70</b>	33	-11.30
				1	99	19.60	21.60	33	-11.40
				50	25	18.73	20.73	33	-12.27
				100	0	18.64	20.64	33	-12.36
20	18700	1860.0	64QAM	1	0	18.77	20.77	33	-12.23
				1	99	18.65	20.65	33	-12.35
				50	25	17.73	19.73	33	-13.27
				100	0	17.69	19.69	33	-13.31
	18900	1880.0	64QAM	1	0	18.77	20.77	33	-12.23
				1	99	18.61	20.61	33	-12.39
				50	25	17.83	19.83	33	-13.17
				100	0	17.85	19.85	33	-13.15
	19100	1900.0	64QAM	1	0	18.72	20.72	33	-12.28
				1	99	18.64	20.64	33	-12.36
				50	25	17.85	19.85	33	-13.15
				100	0	17.86	19.86	33	-13.14

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Part27

Antenna gain (dBi)	2.4								
<b>LTE Band 4_Uplink frequency band : 1710 to 1755 MHz</b>									
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	22.72	25.12	30	-4.88
				1	5	22.71	25.11	30	-4.89
				3	2	22.77	25.17	30	-4.83
				6	0	21.62	24.02	30	-5.98
	20175	1732.5	QPSK	1	0	22.76	25.16	30	-4.84
				1	5	22.68	25.08	30	-4.92
				3	2	22.62	25.02	30	-4.98
				6	0	21.68	24.08	30	-5.92
	20393	1754.3	QPSK	1	0	22.62	25.02	30	-4.98
				1	5	22.72	25.12	30	-4.88
				3	2	22.79	25.19	30	-4.81
				6	0	21.59	23.99	30	-6.01
1.4	19957	1710.7	16QAM	1	0	21.73	24.13	30	-5.87
				1	5	21.76	24.16	30	-5.84
				3	2	21.61	24.01	30	-5.99
				6	0	20.65	23.05	30	-6.95
	20175	1732.5	16QAM	1	0	21.67	24.07	30	-5.93
				1	5	21.74	24.14	30	-5.86
				3	2	21.79	24.19	30	-5.81
				6	0	20.72	23.12	30	-6.88
	20393	1754.3	16QAM	1	0	21.77	24.17	30	-5.83
				1	5	21.78	24.18	30	-5.82
				3	2	21.77	24.17	30	-5.83
				6	0	20.72	23.12	30	-6.88
1.4	19957	1710.7	64QAM	1	0	20.64	23.04	30	-6.96
				1	5	20.76	23.16	30	-6.84
				3	2	20.66	23.06	30	-6.94
				6	0	19.67	22.07	30	-7.93
	20175	1732.5	64QAM	1	0	20.78	23.18	30	-6.82
				1	5	20.62	23.02	30	-6.98
				3	2	20.72	23.12	30	-6.88
				6	0	19.69	22.09	30	-7.91
	20393	1754.3	64QAM	1	0	20.69	23.09	30	-6.91
				1	5	20.78	23.18	30	-6.82
				3	2	20.68	23.08	30	-6.92
				6	0	19.79	22.19	30	-7.81

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Antenna gain (dBi)	2.4
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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)
3	19965	1711.5	QPSK	1	0	22.63	25.03	30	-4.97
				1	14	22.60	25.00	30	-5.00
				8	4	21.66	24.06	30	-5.94
				15	0	21.59	23.99	30	-6.01
	20175	1732.5	QPSK	1	0	22.60	25.00	30	-5.00
				1	14	22.73	25.13	30	-4.87
				8	4	21.77	24.17	30	-5.83
				15	0	21.69	24.09	30	-5.91
	20385	1753.5	QPSK	1	0	22.68	25.08	30	-4.92
				1	14	22.76	25.16	30	-4.84
				8	4	21.64	24.04	30	-5.96
				15	0	21.75	24.15	30	-5.85
3	19965	1711.5	16QAM	1	0	21.64	24.04	30	-5.96
				1	14	21.65	24.05	30	-5.95
				8	4	20.67	23.07	30	-6.93
				15	0	20.63	23.03	30	-6.97
	20175	1732.5	16QAM	1	0	21.65	24.05	30	-5.95
				1	14	21.74	24.14	30	-5.86
				8	4	20.63	23.03	30	-6.97
				15	0	20.71	23.11	30	-6.89
	20385	1753.5	16QAM	1	0	21.65	24.05	30	-5.95
				1	14	21.60	24.00	30	-6.00
				8	4	20.64	23.04	30	-6.96
				15	0	20.63	23.03	30	-6.97
3	19965	1711.5	64QAM	1	0	20.63	23.03	30	-6.97
				1	14	20.65	23.05	30	-6.95
				8	4	19.79	22.19	30	-7.81
				15	0	19.71	22.11	30	-7.89
	20175	1732.5	64QAM	1	0	20.71	23.11	30	-6.89
				1	14	20.76	23.16	30	-6.84
				8	4	19.78	22.18	30	-7.82
				15	0	19.59	21.99	30	-8.01
	20385	1753.5	64QAM	1	0	20.72	23.12	30	-6.88
				1	14	20.65	23.05	30	-6.95
				8	4	19.79	22.19	30	-7.81
				15	0	19.67	22.07	30	-7.93

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Antenna gain (dBi)	2.4
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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)
5	19975	1712.5	QPSK	1	0	22.68	25.08	30	-4.92
				1	24	22.77	25.17	30	-4.83
				12	6	21.71	24.11	30	-5.89
				25	0	21.66	24.06	30	-5.94
	20175	1732.5	QPSK	1	0	22.63	25.03	30	-4.97
				1	24	22.64	25.04	30	-4.96
				12	6	21.77	24.17	30	-5.83
				25	0	21.76	24.16	30	-5.84
	20375	1752.5	QPSK	1	0	22.67	25.07	30	-4.93
				1	24	22.59	24.99	30	-5.01
				12	6	21.67	24.07	30	-5.93
				25	0	21.64	24.04	30	-5.96
5	19975	1712.5	16QAM	1	0	21.62	24.02	30	-5.98
				1	24	21.63	24.03	30	-5.97
				12	6	20.63	23.03	30	-6.97
				25	0	20.72	23.12	30	-6.88
	20175	1732.5	16QAM	1	0	21.74	24.14	30	-5.86
				1	24	21.73	24.13	30	-5.87
				12	6	20.67	23.07	30	-6.93
				25	0	20.63	23.03	30	-6.97
	20375	1752.5	16QAM	1	0	21.63	24.03	30	-5.97
				1	24	21.70	24.10	30	-5.90
				12	6	20.72	23.12	30	-6.88
				25	0	20.63	23.03	30	-6.97
5	19975	1712.5	64QAM	1	0	20.77	23.17	30	-6.83
				1	24	20.64	23.04	30	-6.96
				12	6	19.79	22.19	30	-7.81
				25	0	19.74	22.14	30	-7.86
	20175	1732.5	64QAM	1	0	20.73	23.13	30	-6.87
				1	24	20.61	23.01	30	-6.99
				12	6	19.63	22.03	30	-7.97
				25	0	19.64	22.04	30	-7.96
	20375	1752.5	64QAM	1	0	20.74	23.14	30	-6.86
				1	24	20.62	23.02	30	-6.98
				12	6	19.75	22.15	30	-7.85
				25	0	19.75	22.15	30	-7.85

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Antenna gain (dBi)	2.4
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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	1715.0	QPSK	1	0	22.72	25.12	30	-4.88
				1	49	22.63	25.03	30	-4.97
				25	12	21.69	24.09	30	-5.91
				50	0	21.74	24.14	30	-5.86
	20175	1732.5	QPSK	1	0	22.64	25.04	30	-4.96
				1	49	22.68	25.08	30	-4.92
				25	12	21.62	24.02	30	-5.98
				50	0	21.65	24.05	30	-5.95
	20350	1750.0	QPSK	1	0	22.77	25.17	30	-4.83
				1	49	22.68	25.08	30	-4.92
				25	12	21.76	24.16	30	-5.84
				50	0	21.73	24.13	30	-5.87
10	20000	1715.0	16QAM	1	0	21.69	24.09	30	-5.91
				1	49	21.68	24.08	30	-5.92
				25	12	20.68	23.08	30	-6.92
				50	0	20.66	23.06	30	-6.94
	20175	1732.5	16QAM	1	0	21.61	24.01	30	-5.99
				1	49	21.69	24.09	30	-5.91
				25	12	20.72	23.12	30	-6.88
				50	0	20.60	23.00	30	-7.00
	20350	1750.0	16QAM	1	0	21.65	24.05	30	-5.95
				1	49	21.74	24.14	30	-5.86
				25	12	20.67	23.07	30	-6.93
				50	0	20.72	23.12	30	-6.88
10	20000	1715.0	64QAM	1	0	20.68	23.08	30	-6.92
				1	49	20.70	23.10	30	-6.90
				25	12	19.67	22.07	30	-7.93
				50	0	19.62	22.02	30	-7.98
	20175	1732.5	64QAM	1	0	20.61	23.01	30	-6.99
				1	49	20.65	23.05	30	-6.95
				25	12	19.73	22.13	30	-7.87
				50	0	19.64	22.04	30	-7.96
	20350	1750.0	64QAM	1	0	20.75	23.15	30	-6.85
				1	49	20.76	23.16	30	-6.84
				25	12	19.71	22.11	30	-7.89
				50	0	19.78	22.18	30	-7.82

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Antenna gain (dBi)	2.4
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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)
15	20025	1717.5	QPSK	1	0	22.66	<b>25.06</b>	30	-4.94
				1	74	22.62	25.02	30	-4.98
				36	18	21.68	24.08	30	-5.92
				75	0	21.68	24.08	30	-5.92
	20175	1732.5	QPSK	1	0	22.66	<b>25.06</b>	30	-4.94
				1	74	22.63	25.03	30	-4.97
				36	18	21.62	24.02	30	-5.98
				75	0	21.69	24.09	30	-5.91
	20325	1747.5	QPSK	1	0	22.66	<b>25.06</b>	30	-4.94
				1	74	22.64	25.04	30	-4.96
				36	18	21.61	24.01	30	-5.99
				75	0	21.68	24.08	30	-5.92
15	20025	1717.5	16QAM	1	0	21.66	24.06	30	-5.94
				1	74	21.66	24.06	30	-5.94
				36	18	20.68	23.08	30	-6.92
				75	0	20.75	23.15	30	-6.85
	20175	1732.5	16QAM	1	0	21.62	24.02	30	-5.98
				1	74	21.76	24.16	30	-5.84
				36	18	20.75	23.15	30	-6.85
				75	0	20.71	23.11	30	-6.89
	20325	1747.5	16QAM	1	0	21.69	24.09	30	-5.91
				1	74	21.78	<b>24.18</b>	30	-5.82
				36	18	20.75	23.15	30	-6.85
				75	0	20.63	23.03	30	-6.97
15	20025	1717.5	64QAM	1	0	20.65	23.05	30	-6.95
				1	74	20.70	23.10	30	-6.90
				36	18	19.74	22.14	30	-7.86
				75	0	19.61	22.01	30	-7.99
	20175	1732.5	64QAM	1	0	20.75	23.15	30	-6.85
				1	74	20.76	23.16	30	-6.84
				36	18	19.70	22.10	30	-7.90
				75	0	19.78	22.18	30	-7.82
	20325	1747.5	64QAM	1	0	20.72	23.12	30	-6.88
				1	74	20.77	23.17	30	-6.83
				36	18	19.74	22.14	30	-7.86
				75	0	19.66	22.06	30	-7.94

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Antenna gain (dBi)	2.4
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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)
20	20050	1720.0	QPSK	1	0	22.81	25.21	30	-4.79
				1	99	22.72	25.12	30	-4.88
				50	25	21.79	24.19	30	-5.81
				100	0	21.75	24.15	30	-5.85
	20175	1732.5	QPSK	1	0	22.79	25.19	30	-4.81
				1	99	22.74	25.14	30	-4.86
				50	25	21.78	24.18	30	-5.82
				100	0	21.68	24.08	30	-5.92
	20300	1745.0	QPSK	1	0	22.92	25.32	30	-4.68
				1	99	22.65	25.05	30	-4.95
				50	25	21.74	24.14	30	-5.86
				100	0	21.62	24.02	30	-5.98
20	20050	1720.0	16QAM	1	0	21.64	24.04	30	-5.96
				1	99	21.69	24.09	30	-5.91
				50	25	20.65	23.05	30	-6.95
				100	0	20.76	23.16	30	-6.84
	20175	1732.5	16QAM	1	0	21.74	24.14	30	-5.86
				1	99	21.59	23.99	30	-6.01
				50	25	20.77	23.17	30	-6.83
				100	0	20.63	23.03	30	-6.97
	20300	1745.0	16QAM	1	0	21.78	24.18	30	-5.82
				1	99	21.78	24.18	30	-5.82
				50	25	20.67	23.07	30	-6.93
				100	0	20.71	23.11	30	-6.89
20	20050	1720.0	64QAM	1	0	20.73	23.13	30	-6.87
				1	99	20.59	22.99	30	-7.01
				50	25	19.78	22.18	30	-7.82
				100	0	19.76	22.16	30	-7.84
	20175	1732.5	64QAM	1	0	20.66	23.06	30	-6.94
				1	99	20.70	23.10	30	-6.90
				50	25	19.67	22.07	30	-7.93
				100	0	19.73	22.13	30	-7.87
	20300	1745.0	64QAM	1	0	20.64	23.04	30	-6.96
				1	99	20.62	23.02	30	-6.98
				50	25	19.66	22.06	30	-7.94
				100	0	19.74	22.14	30	-7.86

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Antenna gain (dBi)	-2.8									
<b>LTE Band 12_Uplink frequency band : 699 to 716 MHz</b>										
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	22.44	19.64	17.49	34.77	-17.28
				1	5	22.52	19.72	17.57	34.77	-17.20
				3	2	22.55	19.75	17.60	34.77	-17.17
				6	0	21.50	18.70	16.55	34.77	-18.22
	23095	707.5	QPSK	1	0	22.60	19.80	17.65	34.77	-17.12
				1	5	22.58	19.78	17.63	34.77	-17.14
				3	2	22.49	19.69	17.54	34.77	-17.23
				6	0	21.54	18.74	16.59	34.77	-18.18
1.4	23173	715.3	QPSK	1	0	22.45	19.65	17.50	34.77	-17.27
				1	5	22.49	19.69	17.54	34.77	-17.23
				3	2	22.43	19.63	17.48	34.77	-17.29
				6	0	21.53	18.73	16.58	34.77	-18.19
	23017	699.7	16QAM	1	0	21.43	18.63	16.48	34.77	-18.29
				1	5	21.42	18.62	16.47	34.77	-18.30
				3	2	21.42	18.62	16.47	34.77	-18.30
				6	0	20.50	17.70	15.55	34.77	-19.22
1.4	23095	707.5	16QAM	1	0	21.57	18.77	16.62	34.77	-18.15
				1	5	21.52	18.72	16.57	34.77	-18.20
				3	2	21.50	18.70	16.55	34.77	-18.22
				6	0	20.43	17.63	15.48	34.77	-19.29
	23173	715.3	16QAM	1	0	21.41	18.61	16.46	34.77	-18.31
				1	5	21.40	18.60	16.45	34.77	-18.32
				3	2	21.55	18.75	16.60	34.77	-18.17
				6	0	20.48	17.68	15.53	34.77	-19.24
1.4	23017	699.7	64QAM	1	0	20.55	17.75	15.60	34.77	-19.17
				1	5	20.59	17.79	15.64	34.77	-19.13
				3	2	20.57	17.77	15.62	34.77	-19.15
				6	0	19.49	16.69	14.54	34.77	-20.23
	23095	707.5	64QAM	1	0	20.48	17.68	15.53	34.77	-19.24
				1	5	20.54	17.74	15.59	34.77	-19.18
				3	2	20.54	17.74	15.59	34.77	-19.18
				6	0	19.50	16.70	14.55	34.77	-20.22
1.4	23173	715.3	64QAM	1	0	20.45	17.65	15.50	34.77	-19.27
				1	5	20.50	17.70	15.55	34.77	-19.22
				3	2	20.48	17.68	15.53	34.77	-19.24
				6	0	19.59	16.79	14.64	34.77	-20.13

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Antenna gain (dBi)	-2.8									
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	22.47	19.67	17.52	34.77	-17.25
				1	14	22.59	19.79	17.64	34.77	-17.13
				8	4	21.46	18.66	16.51	34.77	-18.26
				15	0	21.54	18.74	16.59	34.77	-18.18
	23095	707.5	QPSK	1	0	22.43	19.63	17.48	34.77	-17.29
				1	14	22.41	19.61	17.46	34.77	-17.31
				8	4	21.52	18.72	16.57	34.77	-18.20
				15	0	21.45	18.65	16.50	34.77	-18.27
	23165	714.5	QPSK	1	0	22.43	19.63	17.48	34.77	-17.29
				1	14	22.43	19.63	17.48	34.77	-17.29
				8	4	21.50	18.70	16.55	34.77	-18.22
				15	0	21.46	18.66	16.51	34.77	-18.26
3	23025	700.5	16QAM	1	0	21.55	18.75	16.60	34.77	-18.17
				1	14	21.56	18.76	16.61	34.77	-18.16
				8	4	20.51	17.71	15.56	34.77	-19.21
				15	0	20.50	17.70	15.55	34.77	-19.22
	23095	707.5	16QAM	1	0	21.51	18.71	16.56	34.77	-18.21
				1	14	21.51	18.71	16.56	34.77	-18.21
				8	4	20.53	17.73	15.58	34.77	-19.19
				15	0	20.59	17.79	15.64	34.77	-19.13
	23165	714.5	16QAM	1	0	21.58	18.78	16.63	34.77	-18.14
				1	14	21.56	18.76	16.61	34.77	-18.16
				8	4	20.58	17.78	15.63	34.77	-19.14
				15	0	20.52	17.72	15.57	34.77	-19.20
3	23025	700.5	64QAM	1	0	20.46	17.66	15.51	34.77	-19.26
				1	14	20.52	17.72	15.57	34.77	-19.20
				8	4	19.41	16.61	14.46	34.77	-20.31
				15	0	19.48	16.68	14.53	34.77	-20.24
	23095	707.5	64QAM	1	0	20.46	17.66	15.51	34.77	-19.26
				1	14	20.46	17.66	15.51	34.77	-19.26
				8	4	19.53	16.73	14.58	34.77	-20.19
				15	0	19.57	16.77	14.62	34.77	-20.15
	23165	714.5	64QAM	1	0	20.41	17.61	15.46	34.77	-19.31
				1	14	20.40	17.60	15.45	34.77	-19.32
				8	4	19.40	16.60	14.45	34.77	-20.32
				15	0	19.56	16.76	14.61	34.77	-20.16

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Antenna gain (dBi)	-2.8									
<b>LTE Band 12_Uplink frequency band : 699 to 716 MHz</b>										
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	22.55	19.75	17.60	34.77	-17.17
				1	24	22.48	19.68	17.53	34.77	-17.24
				12	6	21.43	18.63	16.48	34.77	-18.29
				25	0	21.53	18.73	16.58	34.77	-18.19
	23095	707.5	QPSK	1	0	22.57	19.77	17.62	34.77	-17.15
				1	24	22.52	19.72	17.57	34.77	-17.20
				12	6	21.53	18.73	16.58	34.77	-18.19
				25	0	21.45	18.65	16.50	34.77	-18.27
	23155	713.5	QPSK	1	0	22.54	19.74	17.59	34.77	-17.18
				1	24	22.59	19.79	17.64	34.77	-17.13
				12	6	21.47	18.67	16.52	34.77	-18.25
				25	0	21.46	18.66	16.51	34.77	-18.26
5	23035	701.5	16QAM	1	0	21.40	18.60	16.45	34.77	-18.32
				1	24	21.55	18.75	16.60	34.77	-18.17
				12	6	20.46	17.66	15.51	34.77	-19.26
				25	0	20.43	17.63	15.48	34.77	-19.29
	23095	707.5	16QAM	1	0	21.41	18.61	16.46	34.77	-18.31
				1	24	21.44	18.64	16.49	34.77	-18.28
				12	6	20.45	17.65	15.50	34.77	-19.27
				25	0	20.45	17.65	15.50	34.77	-19.27
	23155	713.5	16QAM	1	0	21.58	18.78	16.63	34.77	-18.14
				1	24	21.58	18.78	16.63	34.77	-18.14
				12	6	20.44	17.64	15.49	34.77	-19.28
				25	0	20.58	17.78	15.63	34.77	-19.14
5	23035	701.5	64QAM	1	0	20.42	17.62	15.47	34.77	-19.30
				1	24	20.50	17.70	15.55	34.77	-19.22
				12	6	19.48	16.68	14.53	34.77	-20.24
				25	0	19.42	16.62	14.47	34.77	-20.30
	23095	707.5	64QAM	1	0	20.47	17.67	15.52	34.77	-19.25
				1	24	20.40	17.60	15.45	34.77	-19.32
				12	6	19.51	16.71	14.56	34.77	-20.21
				25	0	19.45	16.65	14.50	34.77	-20.27
	23155	713.5	64QAM	1	0	20.60	17.80	15.65	34.77	-19.12
				1	24	20.41	17.61	15.46	34.77	-19.31
				12	6	19.50	16.70	14.55	34.77	-20.22
				25	0	19.56	16.76	14.61	34.77	-20.16

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Antenna gain (dBi)	-2.8									
<b>LTE Band 12_Uplink frequency band : 699 to 716 MHz</b>										
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	704.0	QPSK	1	0	22.66	19.86	17.71	34.77	-17.06
				1	49	22.55	19.75	17.60	34.77	-17.17
				25	12	21.41	18.61	16.46	34.77	-18.31
				50	0	21.54	18.74	16.59	34.77	-18.18
	23095	707.5	QPSK	1	0	22.68	19.88	<b>17.73</b>	34.77	-17.04
				1	49	22.52	19.72	17.57	34.77	-17.20
				25	12	21.55	18.75	16.60	34.77	-18.17
				50	0	21.53	18.73	16.58	34.77	-18.19
	23130	711.0	QPSK	1	0	22.64	19.84	17.69	34.77	-17.08
				1	49	22.45	19.65	17.50	34.77	-17.27
				25	12	21.47	18.67	16.52	34.77	-18.25
				50	0	21.42	18.62	16.47	34.77	-18.30
10	23060	704.0	16QAM	1	0	21.47	18.67	16.52	34.77	-18.25
				1	49	21.50	18.70	16.55	34.77	-18.22
				25	12	20.55	17.75	15.60	34.77	-19.17
				50	0	20.43	17.63	15.48	34.77	-19.29
	23095	707.5	16QAM	1	0	21.56	18.76	16.61	34.77	-18.16
				1	49	21.60	18.80	<b>16.65</b>	34.77	-18.12
				25	12	20.59	17.79	15.64	34.77	-19.13
				50	0	20.49	17.69	15.54	34.77	-19.23
	23130	711.0	16QAM	1	0	21.56	18.76	16.61	34.77	-18.16
				1	49	21.50	18.70	16.55	34.77	-18.22
				25	12	20.50	17.70	15.55	34.77	-19.22
				50	0	20.59	17.79	15.64	34.77	-19.13
10	23060	704.0	64QAM	1	0	20.43	17.63	15.48	34.77	-19.29
				1	49	20.54	17.74	15.59	34.77	-19.18
				25	12	19.46	16.66	14.51	34.77	-20.26
				50	0	19.47	16.67	14.52	34.77	-20.25
	23095	707.5	64QAM	1	0	20.47	17.67	15.52	34.77	-19.25
				1	49	20.46	17.66	15.51	34.77	-19.26
				25	12	19.45	16.65	14.50	34.77	-20.27
				50	0	19.51	16.71	14.56	34.77	-20.21
	23130	711.0	64QAM	1	0	20.50	17.70	15.55	34.77	-19.22
				1	49	20.55	17.75	15.60	34.77	-19.17
				25	12	19.51	16.71	14.56	34.77	-20.21
				50	0	19.49	16.69	14.54	34.77	-20.23

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Antenna gain (dBi)	2.2								
<b>LTE Band 41_Uplink frequency band : 2496 to 2690 MHz</b>									
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	21.82	<b>24.02</b>	33	-8.98
				1	24	21.81	24.01	33	-8.99
				12	6	20.67	22.87	33	-10.13
				25	0	20.81	23.01	33	-9.99
	40620	2593.0	QPSK	1	0	21.68	23.88	33	-9.12
				1	24	21.76	<b>23.96</b>	33	-9.04
				12	6	20.71	22.91	33	-10.09
				25	0	20.71	22.91	33	-10.09
	41565	2687.5	QPSK	1	0	21.66	23.86	33	-9.14
				1	24	21.69	23.89	33	-9.11
				12	6	20.66	22.86	33	-10.14
				25	0	20.74	22.94	33	-10.06
5	39675	2498.5	16QAM	1	0	20.76	22.96	33	-10.04
				1	24	20.70	22.90	33	-10.10
				12	6	19.68	21.88	33	-11.12
				25	0	19.71	21.91	33	-11.09
	40620	2593.0	16QAM	1	0	20.71	22.91	33	-10.09
				1	24	20.79	<b>22.99</b>	33	-10.01
				12	6	19.68	21.88	33	-11.12
				25	0	19.83	22.03	33	-10.97
	41565	2687.5	16QAM	1	0	20.77	22.97	33	-10.03
				1	24	20.73	22.93	33	-10.07
				12	6	19.84	22.04	33	-10.96
				25	0	19.84	22.04	33	-10.96
5	39675	2498.5	64QAM	1	0	19.71	21.91	33	-11.09
				1	24	19.73	21.93	33	-11.07
				12	6	18.70	20.90	33	-12.10
				25	0	18.77	20.97	33	-12.03
	40620	2593.0	64QAM	1	0	19.83	22.03	33	-10.97
				1	24	19.70	21.90	33	-11.10
				12	6	18.66	20.86	33	-12.14
				25	0	18.77	20.97	33	-12.03
	41565	2687.5	64QAM	1	0	19.71	21.91	33	-11.09
				1	24	19.69	21.89	33	-11.11
				12	6	18.68	20.88	33	-12.12
				25	0	18.83	21.03	33	-11.97

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Antenna gain (dBi)	2.2								
<b>LTE Band 41_Uplink frequency band : 2496 to 2690 MHz</b>									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10	39700	2501.0	QPSK	1	0	21.84	24.04	33	-8.96
				1	49	21.77	23.97	33	-9.03
				25	12	20.81	23.01	33	-9.99
				50	0	20.67	22.87	33	-10.13
	40620	2593.0	QPSK	1	0	21.83	24.03	33	-8.97
				1	49	21.69	23.89	33	-9.11
				25	12	20.78	22.98	33	-10.02
				50	0	20.70	22.90	33	-10.10
	41540	2685.0	QPSK	1	0	21.68	23.88	33	-9.12
				1	49	21.70	23.90	33	-9.10
				25	12	20.85	23.05	33	-9.95
				50	0	20.78	22.98	33	-10.02
10	39700	2501.0	16QAM	1	0	20.82	23.02	33	-9.98
				1	49	20.76	22.96	33	-10.04
				25	12	19.76	21.96	33	-11.04
				50	0	19.65	21.85	33	-11.15
	40620	2593.0	16QAM	1	0	20.77	22.97	33	-10.03
				1	49	20.72	22.92	33	-10.08
				25	12	19.77	21.97	33	-11.03
				50	0	19.67	21.87	33	-11.13
	41540	2685.0	16QAM	1	0	20.74	22.94	33	-10.06
				1	49	20.67	22.87	33	-10.13
				25	12	19.75	21.95	33	-11.05
				50	0	19.74	21.94	33	-11.06
10	39700	2501.0	64QAM	1	0	19.75	21.95	33	-11.05
				1	49	19.68	21.88	33	-11.12
				25	12	18.70	20.90	33	-12.10
				50	0	18.73	20.93	33	-12.07
	40620	2593.0	64QAM	1	0	19.69	21.89	33	-11.11
				1	49	19.77	21.97	33	-11.03
				25	12	18.79	20.99	33	-12.01
				50	0	18.78	20.98	33	-12.02
	41540	2685.0	64QAM	1	0	19.80	22.00	33	-11.00
				1	49	19.76	21.96	33	-11.04
				25	12	18.73	20.93	33	-12.07
				50	0	18.67	20.87	33	-12.13

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Antenna gain (dBi)	2.2								
<b>LTE Band 41_Uplink frequency band : 2496 to 2690 MHz</b>									
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	21.68	23.88	33	-9.12
				1	74	21.79	23.99	33	-9.01
				36	18	20.67	22.87	33	-10.13
				75	0	20.68	22.88	33	-10.12
	40620	2593.0	QPSK	1	0	21.69	23.89	33	-9.11
				1	74	21.71	23.91	33	-9.09
				36	18	20.65	22.85	33	-10.15
				75	0	20.84	23.04	33	-9.96
	41515	2682.5	QPSK	1	0	21.84	<b>24.04</b>	33	-8.96
				1	74	21.81	24.01	33	-8.99
				36	18	20.75	22.95	33	-10.05
				75	0	20.70	22.90	33	-10.10
15	39725	2503.5	16QAM	1	0	20.76	22.96	33	-10.04
				1	74	20.79	22.99	33	-10.01
				36	18	19.77	21.97	33	-11.03
				75	0	19.81	22.01	33	-10.99
	40620	2593.0	16QAM	1	0	20.80	23.00	33	-10.00
				1	74	20.84	<b>23.04</b>	33	-9.96
				36	18	19.66	21.86	33	-11.14
				75	0	19.69	21.89	33	-11.11
	41515	2682.5	16QAM	1	0	20.78	22.98	33	-10.02
				1	74	20.66	22.86	33	-10.14
				36	18	19.81	22.01	33	-10.99
				75	0	19.66	21.86	33	-11.14
15	39725	2503.5	64QAM	1	0	19.76	21.96	33	-11.04
				1	74	19.76	21.96	33	-11.04
				36	18	18.74	20.94	33	-12.06
				75	0	18.78	20.98	33	-12.02
	40620	2593.0	64QAM	1	0	19.83	22.03	33	-10.97
				1	74	19.65	21.85	33	-11.15
				36	18	18.78	20.98	33	-12.02
				75	0	18.85	21.05	33	-11.95
	41515	2682.5	64QAM	1	0	19.74	21.94	33	-11.06
				1	74	19.78	21.98	33	-11.02
				36	18	18.75	20.95	33	-12.05
				75	0	18.72	20.92	33	-12.08

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Antenna gain (dBi)	2.2								
<b>LTE Band 41_Uplink frequency band : 2496 to 2690 MHz</b>									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
20	39750	2506.0	QPSK	1	0	21.88	24.08	33	-8.92
				1	99	21.68	23.88	33	-9.12
				50	25	20.75	22.95	33	-10.05
				100	0	20.70	22.90	33	-10.10
	40620	2593.0	QPSK	1	0	21.91	24.11	33	-8.89
				1	99	21.69	23.89	33	-9.11
				50	25	20.73	22.93	33	-10.07
				100	0	20.76	22.96	33	-10.04
	41490	2680.0	QPSK	1	0	21.99	<b>24.19</b>	33	-8.81
				1	99	21.70	23.90	33	-9.10
				50	25	20.68	22.88	33	-10.12
				100	0	20.66	22.86	33	-10.14
20	39750	2506.0	16QAM	1	0	20.73	22.93	33	-10.07
				1	99	20.77	<b>22.97</b>	33	-10.03
				50	25	19.81	22.01	33	-10.99
				100	0	19.75	21.95	33	-11.05
	40620	2593.0	16QAM	1	0	20.73	22.93	33	-10.07
				1	99	20.75	<b>22.95</b>	33	-10.05
				50	25	19.74	21.94	33	-11.06
				100	0	19.72	21.92	33	-11.08
	41490	2680.0	16QAM	1	0	20.66	22.86	33	-10.14
				1	99	20.74	22.94	33	-10.06
				50	25	19.74	21.94	33	-11.06
				100	0	19.69	21.89	33	-11.11
20	39750	2506.0	64QAM	1	0	19.70	21.90	33	-11.10
				1	99	19.85	22.05	33	-10.95
				50	25	18.67	20.87	33	-12.13
				100	0	18.85	21.05	33	-11.95
	40620	2593.0	64QAM	1	0	19.76	21.96	33	-11.04
				1	99	19.69	21.89	33	-11.11
				50	25	18.67	20.87	33	-12.13
				100	0	18.85	21.05	33	-11.95
	41490	2680.0	64QAM	1	0	19.83	22.03	33	-10.97
				1	99	19.81	22.01	33	-10.99
				50	25	18.84	21.04	33	-11.96
				100	0	18.67	20.87	33	-12.13

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## 2 OCCUPIED BANDWIDTH MEASUREMENT

### Part22

LTE BAND 5 Channel bandwidth: 1.4MHz							
CH	Freq. (MHz)	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20407	824.7	1.0875	1.0882	1.0875	1.256	1.277	1.284
20525	836.5	1.0875	<b>1.0891</b>	1.0883	1.265	1.269	1.284
20643	848.3	1.0888	1.0876	1.0889	1.256	1.268	1.285
LTE BAND 5 Channel bandwidth: 3MHz							
CH	Freq. (MHz)	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20415	825.5	2.6816	2.6826	2.6857	2.903	2.912	2.889
20525	836.5	2.6798	2.6838	2.6835	2.899	2.915	2.893
20635	847.5	2.6812	2.6777	<b>2.6862</b>	2.897	2.898	2.888
LTE BAND 5 Channel bandwidth: 5MHz							
CH	Freq. (MHz)	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20425	826.5	4.4803	4.4867	<b>4.4966</b>	4.936	4.886	4.939
20525	836.5	4.4782	4.4864	4.4875	4.915	4.885	4.935
20625	846.5	4.4811	4.4796	4.4862	4.921	4.896	4.897
LTE BAND 5 Channel bandwidth: 10MHz							
CH	Freq. (MHz)	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20450	829.0	<b>8.9779</b>	8.9487	8.9572	9.752	9.675	9.684
20525	836.5	8.9708	8.9533	8.9705	9.668	9.676	9.759
20600	844.0	8.9458	8.9358	8.9525	9.654	9.653	9.717

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Part24

LTE BAND 2 Channel bandwidth: 1.4MHz							
CH	Freq. (MHz)	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
18607	1850.7	1.0861	1.0896	1.0900	1.265	1.285	1.292
18900	1880.0	1.0888	1.0903	1.0903	1.269	1.282	1.299
19193	1909.3	1.0873	1.0906	1.0897	1.267	1.280	1.307
LTE BAND 2 Channel bandwidth: 3MHz							
CH	Freq. (MHz)	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
18615	1851.5	2.6836	2.6846	2.6883	2.901	2.908	2.896
18900	1880.0	2.6819	2.6853	2.6886	2.929	2.907	2.892
19185	1908.5	2.6835	2.6855	2.6843	2.927	2.918	2.894
LTE BAND 2 Channel bandwidth: 5MHz							
CH	Freq. (MHz)	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
18625	1852.5	4.4822	4.4843	4.4916	4.922	4.905	4.946
18900	1880.0	4.4829	4.4872	4.4896	4.907	4.958	4.899
19175	1907.5	4.4812	4.4873	4.4886	4.931	4.956	4.903
LTE BAND 2 Channel bandwidth: 10MHz							
CH	Freq. (MHz)	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
18650	1855.0	8.9801	8.9549	8.9706	9.743	9.731	9.700
18900	1880.0	8.9731	8.9514	8.9540	9.739	10.110	9.713
19150	1905.0	8.9731	8.9517	8.9600	9.731	9.642	9.752
LTE BAND 2 Channel bandwidth: 15MHz							
CH	Freq. (MHz)	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
18675	1857.5	13.4260	13.4320	13.4240	14.490	14.510	14.480
18900	1880.0	13.4450	13.4320	13.4290	14.550	14.470	14.480
19125	1902.5	13.4740	13.4370	13.4120	14.490	14.630	14.520
LTE BAND 2 Channel bandwidth: 20MHz							
CH	Freq. (MHz)	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
18700	1860.0	17.8800	17.9230	17.9070	19.180	19.360	19.250
18900	1880.0	17.8640	17.9170	17.8930	19.280	19.210	19.290
19100	1900.0	17.8760	17.9180	17.8800	19.260	19.210	19.250

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Part27

LTE BAND 4 Channel bandwidth: 1.4MHz							
CH	Freq. (MHz)	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
19957	1710.7	1.0866	1.0888	1.0867	1.261	1.278	1.282
20175	1732.5	1.0853	1.0880	<b>1.0897</b>	1.272	1.265	1.285
20393	1754.3	1.0888	1.0882	1.0893	1.264	1.275	1.294
LTE BAND 4 Channel bandwidth: 3MHz							
CH	Freq. (MHz)	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
19965	1711.5	2.6826	2.6842	2.6876	2.896	2.911	3.076
20175	1732.5	2.6836	2.6811	2.6854	2.895	2.898	2.894
20385	1753.5	2.6833	2.6852	<b>2.6901</b>	2.900	2.914	2.905
LTE BAND 4 Channel bandwidth: 5MHz							
CH	Freq. (MHz)	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
19975	1712.5	4.4828	4.4853	<b>4.4908</b>	4.912	4.939	4.920
20175	1732.5	4.4838	4.4821	4.4871	4.911	4.928	4.899
20375	1752.5	4.4835	4.4858	4.4890	4.946	4.900	4.910
LTE BAND 4 Channel bandwidth: 10MHz							
CH	Freq. (MHz)	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20000	1715.0	8.9605	8.9387	8.9478	9.699	9.579	9.740
20175	1732.5	<b>8.9693</b>	8.9411	8.9609	9.712	9.606	9.711
20350	1750.0	8.9690	8.9476	8.9621	9.719	9.745	9.691
LTE BAND 4 Channel bandwidth: 15MHz							
CH	Freq. (MHz)	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20025	1717.5	<b>13.4590</b>	13.4180	13.4080	14.460	14.690	14.560
20175	1732.5	13.4400	13.4490	13.4350	14.420	14.550	14.590
20325	1747.5	13.4340	13.4370	13.4070	14.570	14.690	14.890
LTE BAND 4 Channel bandwidth: 20MHz							
CH	Freq. (MHz)	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20050	1720.0	17.8490	17.9000	17.8680	19.110	19.220	19.200
20175	1732.5	17.9020	<b>17.9490</b>	17.9210	19.210	19.300	19.270
20300	1745.0	17.8890	17.8660	17.8580	19.150	19.240	19.420

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LTE BAND 12 Channel bandwidth: 1.4MHz							
CH	Freq. (MHz)	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
23017	699.7	1.0881	1.0872	<b>1.0905</b>	1.266	1.281	1.279
23095	707.5	1.0882	1.0893	1.0876	1.275	1.270	1.281
23173	715.3	1.0878	1.0875	1.0891	1.271	1.266	1.284
LTE BAND 12 Channel bandwidth: 3MHz							
CH	Freq. (MHz)	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
23025	700.5	<b>2.6900</b>	2.6801	2.6842	2.914	2.909	2.892
23095	707.5	2.6826	2.6840	2.6897	2.899	2.906	2.905
23165	714.5	2.6834	2.6867	2.6886	2.904	2.976	2.894
LTE BAND 12 Channel bandwidth: 5MHz							
CH	Freq. (MHz)	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
23035	701.5	4.4732	<b>4.4744</b>	4.4716	4.895	4.860	4.878
23095	707.5	4.4882	4.4913	<b>4.4969</b>	4.914	4.913	4.953
23155	713.5	4.4754	4.4819	4.4812	4.884	5.008	4.892
LTE BAND 12 Channel bandwidth: 10MHz							
CH	Freq. (MHz)	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
23060	704.0	8.9993	8.9593	8.9778	9.696	9.651	9.777
23095	707.5	<b>9.0095</b>	8.9788	8.9949	9.709	9.626	9.814
23130	711.0	8.9402	8.9006	8.9143	9.586	9.525	9.570
LTE BAND 41 Channel bandwidth: 5MHz							
CH	Freq. (MHz)	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
39675	2498.5	<b>4.4779</b>	4.4833	4.4919	4.986	4.919	4.861
40620	2593.0	4.4808	4.4821	4.4842	4.940	4.912	4.837
41565	2687.5	4.4804	4.4851	<b>4.4938</b>	4.915	4.944	4.833
LTE BAND 41 Channel bandwidth: 10MHz							
CH	Freq. (MHz)	99% BW (MHz)			26 dB BW (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
39700	2501.0	<b>8.9803</b>	8.9577	8.9740	9.757	9.873	10.470
40620	2593.0	<b>8.9720</b>	8.9599	8.9541	9.628	10.420	10.350
41540	2685.0	8.9668	8.9498	8.9709	9.708	10.430	10.500

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LTE BAND 41 Channel bandwidth: 15MHz								
CH	Freq. (MHz)	99% BW (MHz)			26 dB BW (MHz)			
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
39725	2503.5	13.4450	13.4400	13.4280	14.410	14.690	14.970	
40620	2593.0	13.4440	13.4180	13.4220	15.060	14.810	16.320	
41515	2682.5	<b>13.4640</b>	13.4100	13.4280	14.900	14.910	14.980	

LTE BAND 41 Channel bandwidth: 20MHz								
CH	Freq. (MHz)	99% BW (MHz)			26 dB BW (MHz)			
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
39750	2506.0	17.8990	17.8900	17.8810	20.210	19.570	19.240	
40620	2593.0	<b>17.9000</b>	17.8670	17.8860	20.650	19.170	19.270	
41490	2680.0	17.8650	17.8710	17.8830	19.320	19.290	19.090	

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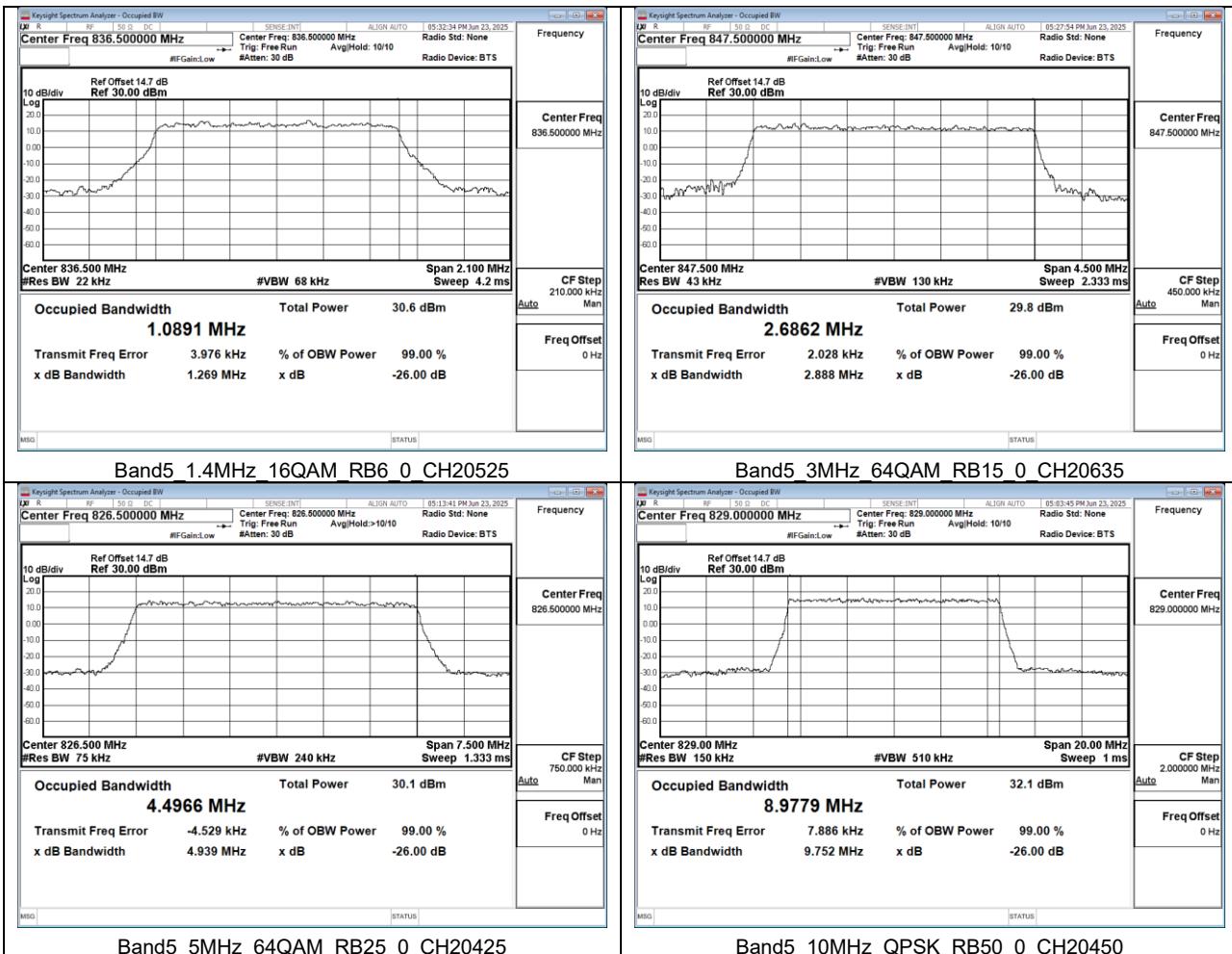
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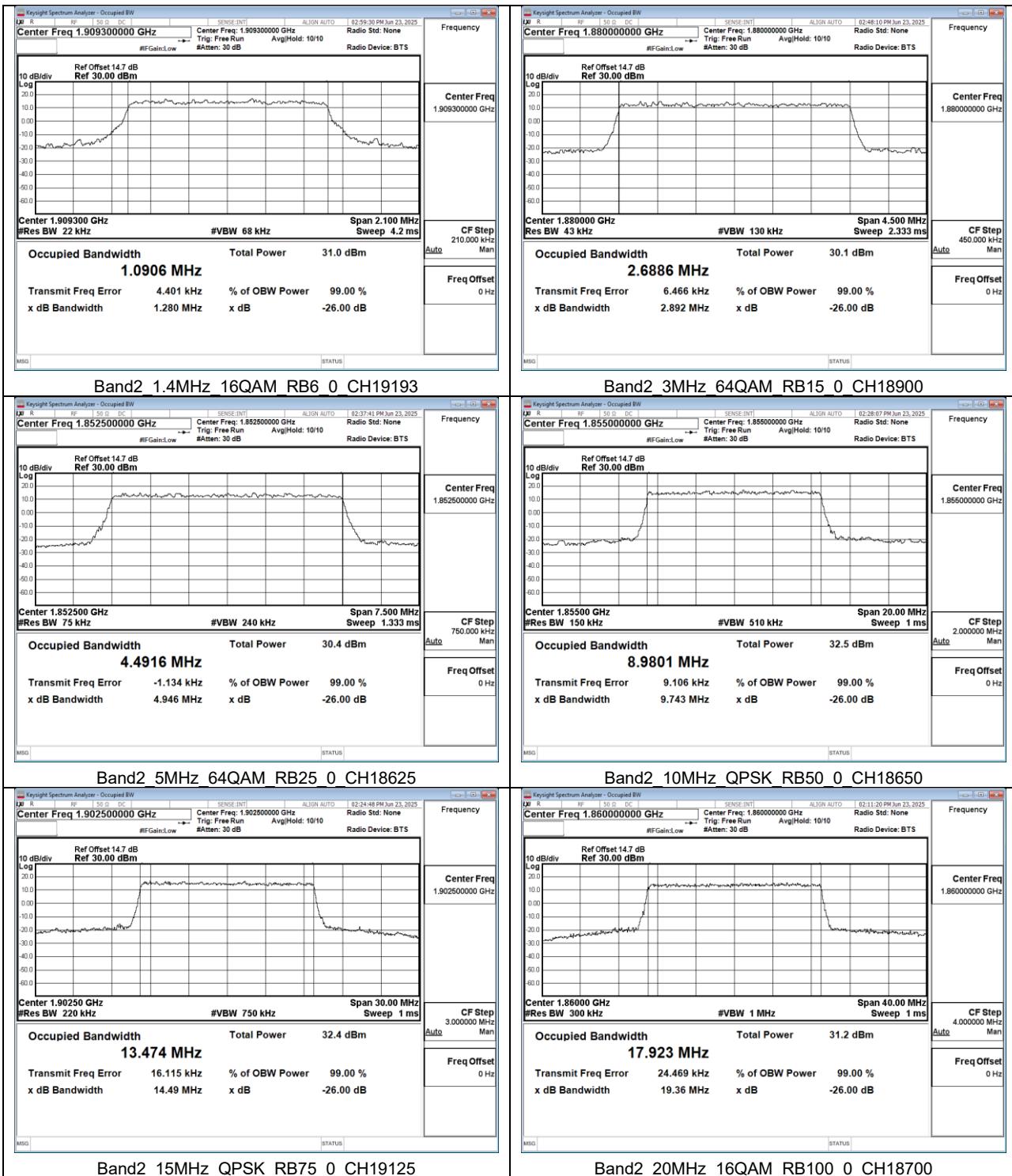
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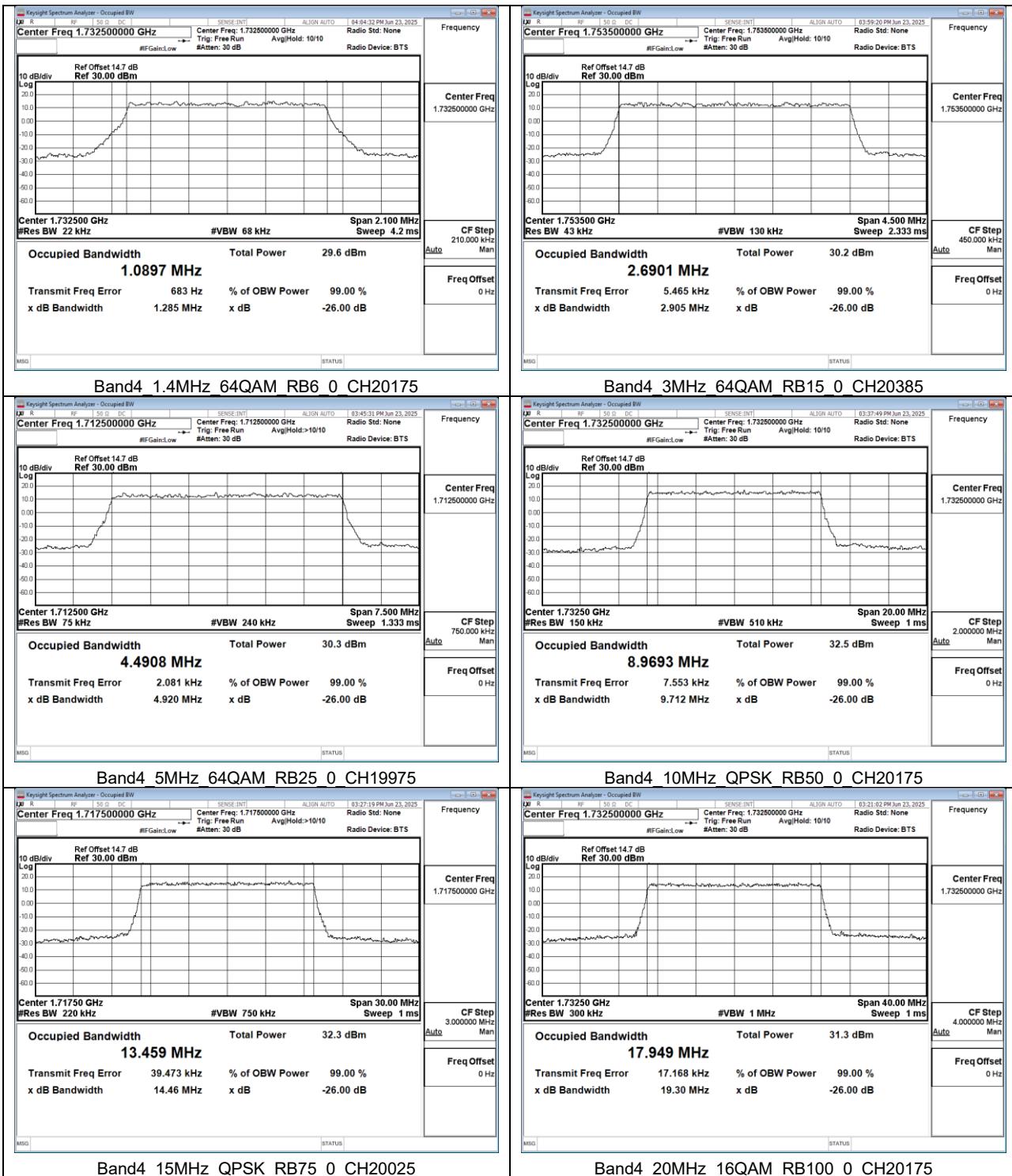
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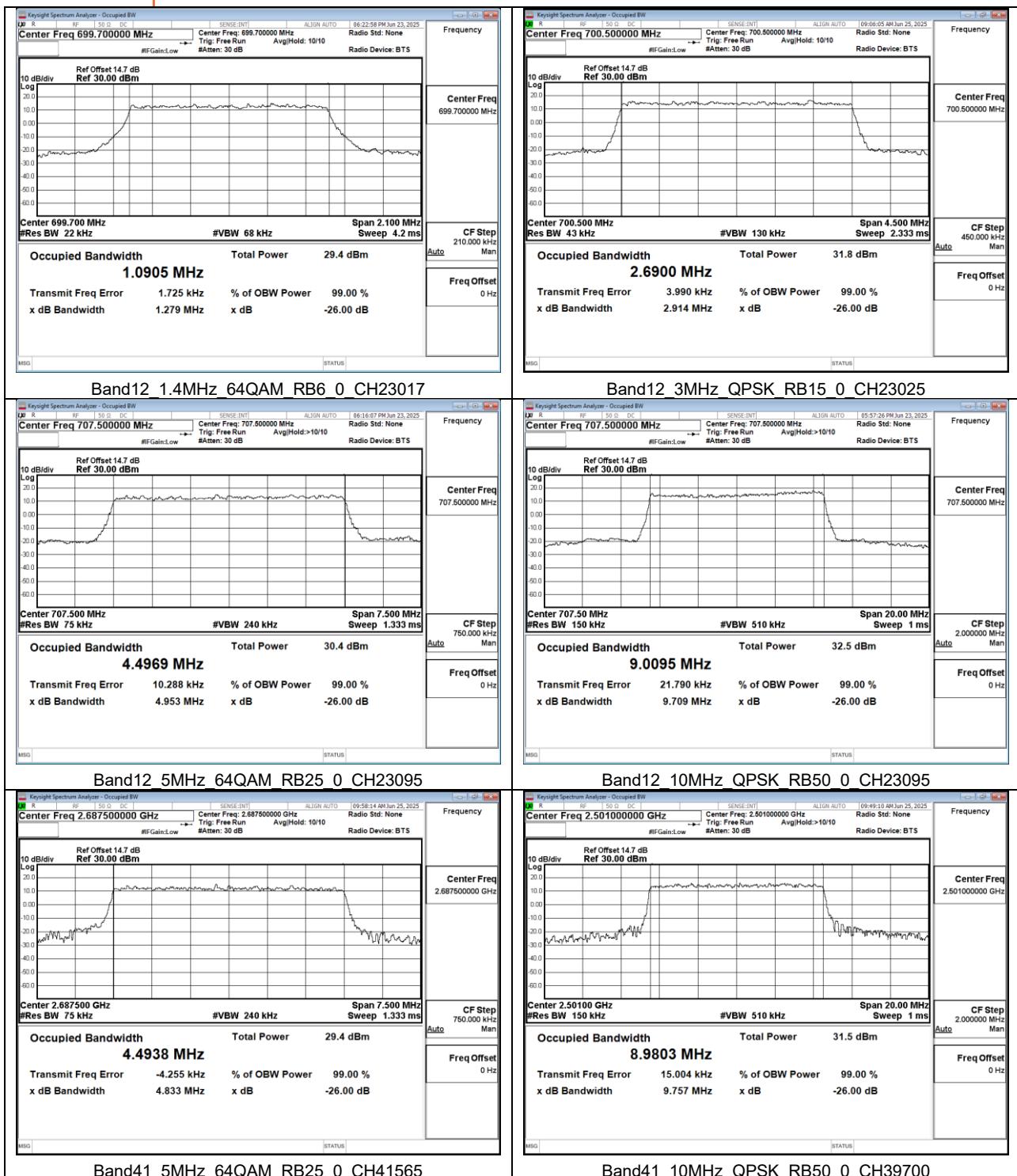
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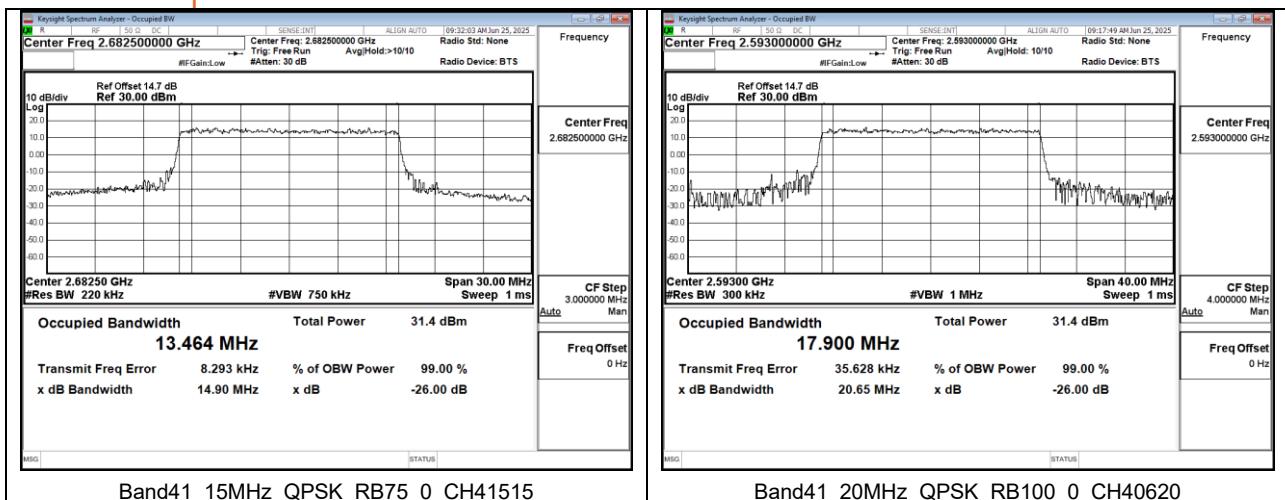
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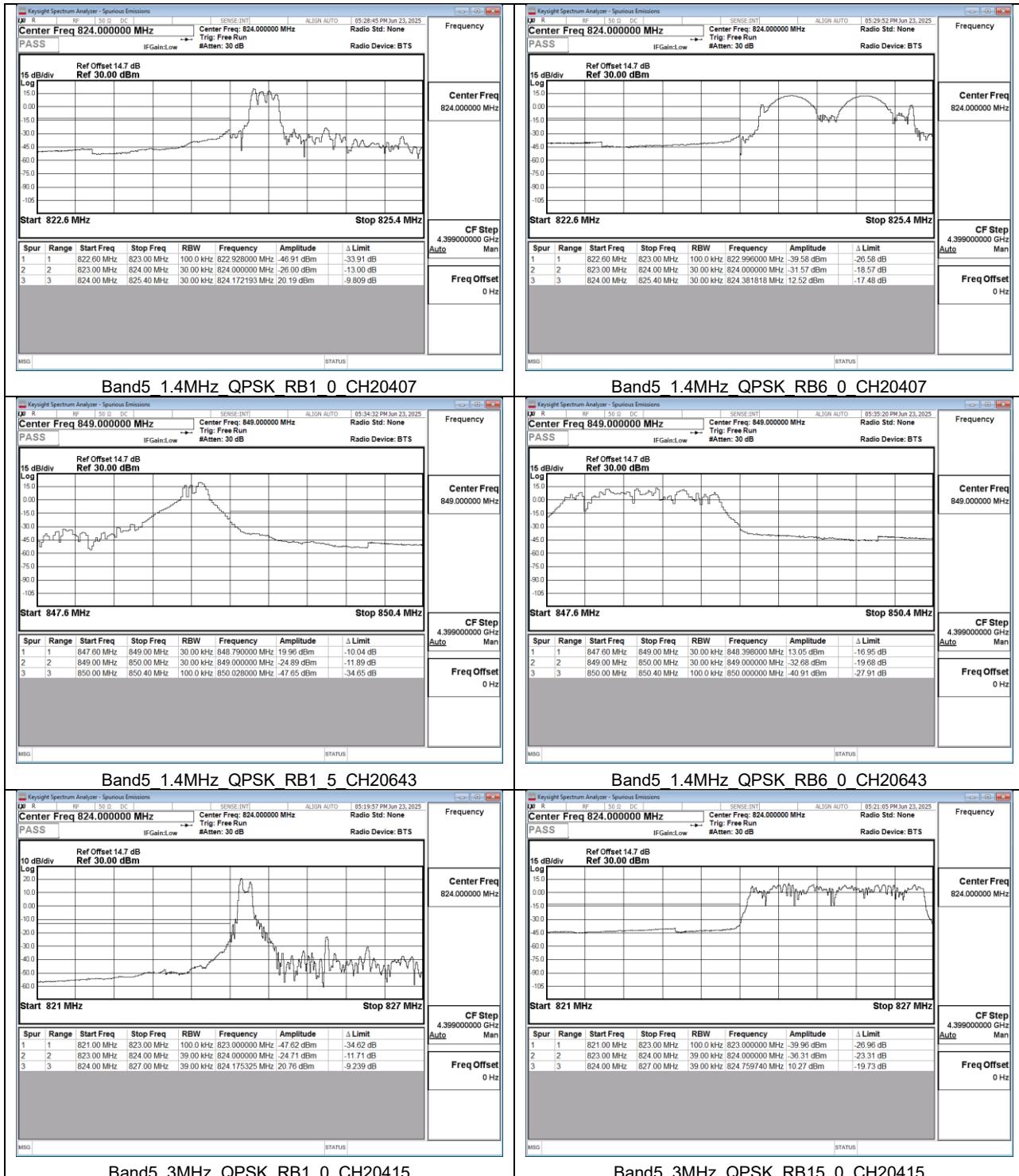
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### 3 OUT OF BAND EMISSION AT ANTENNA TERMINALS

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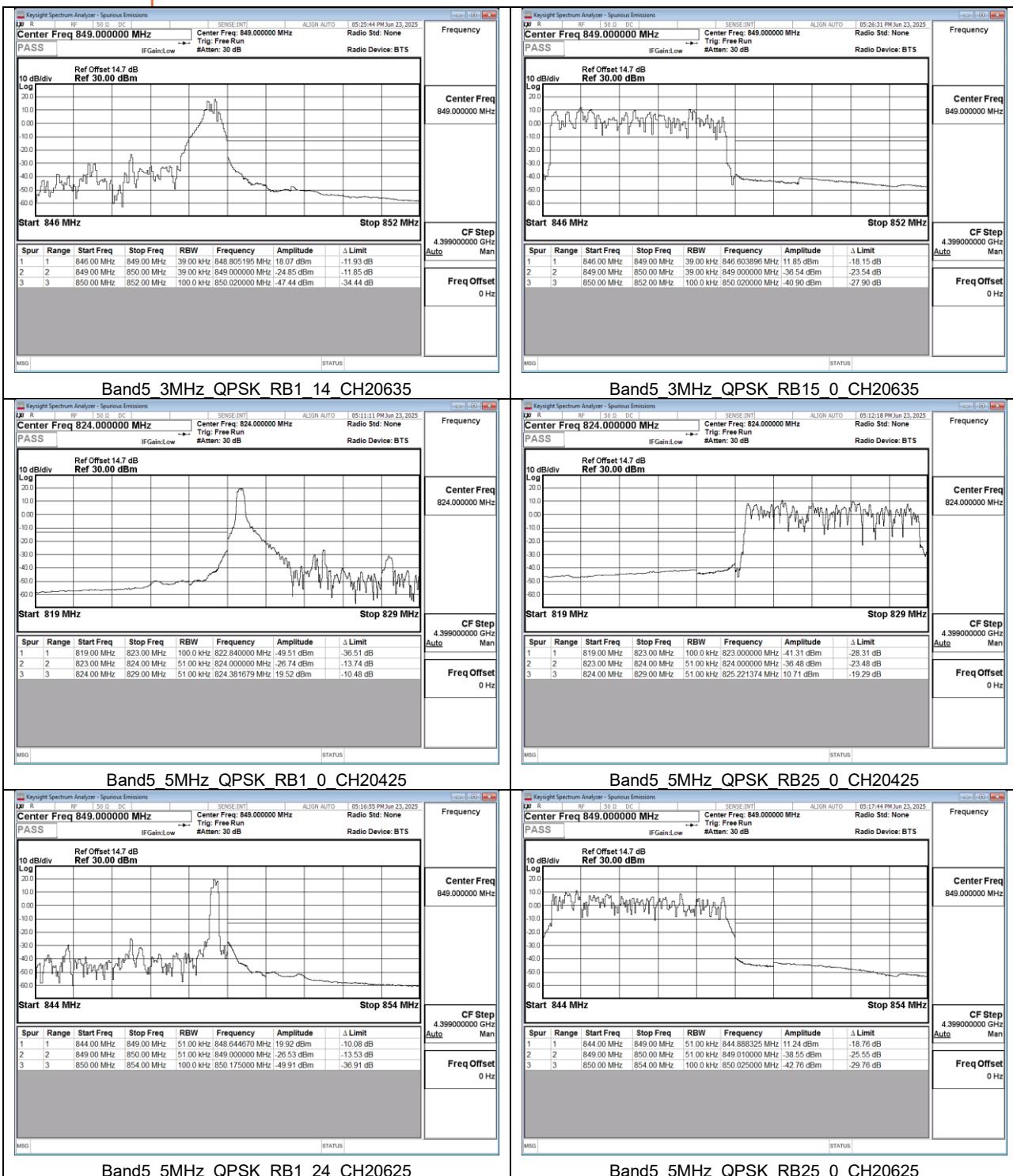


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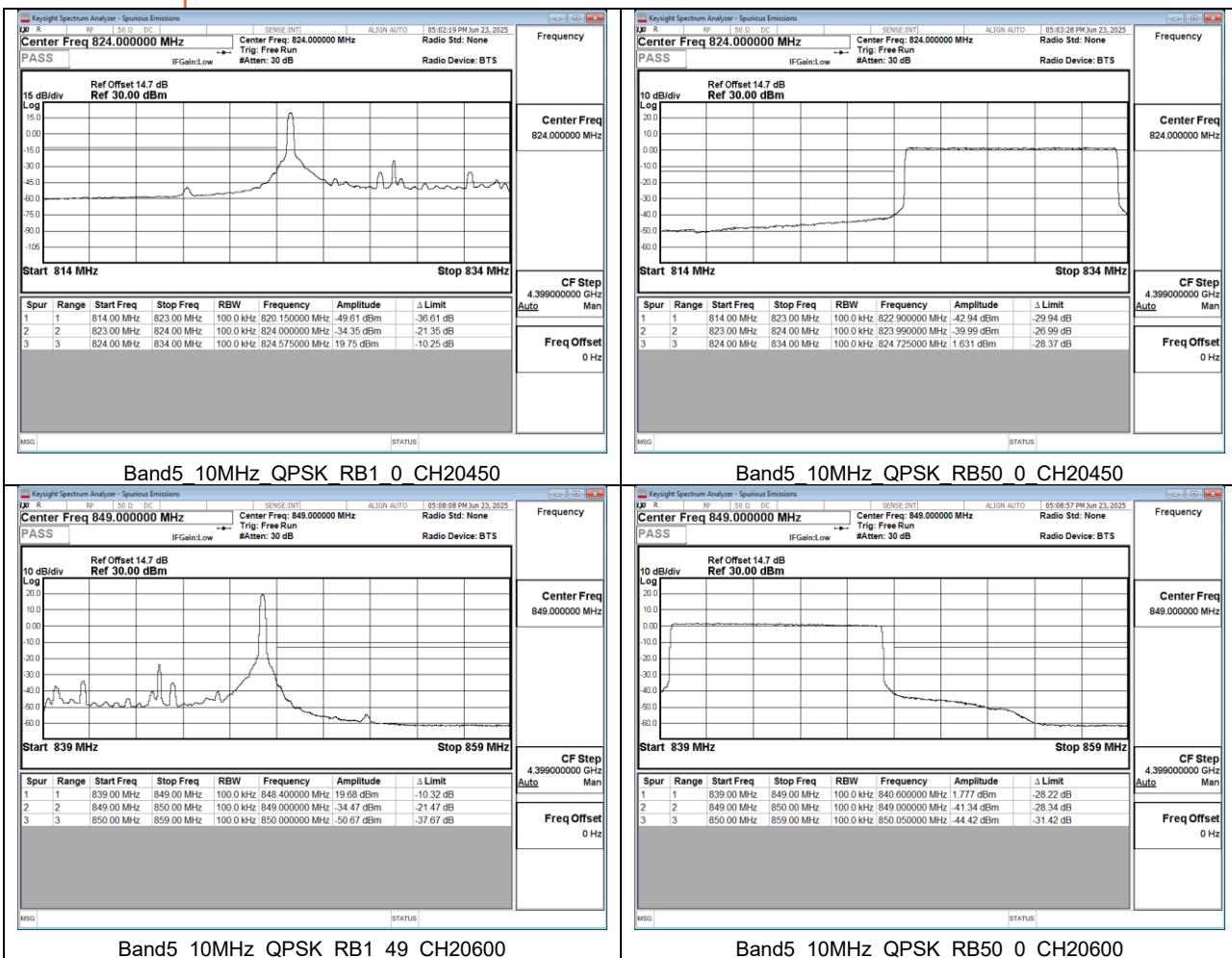
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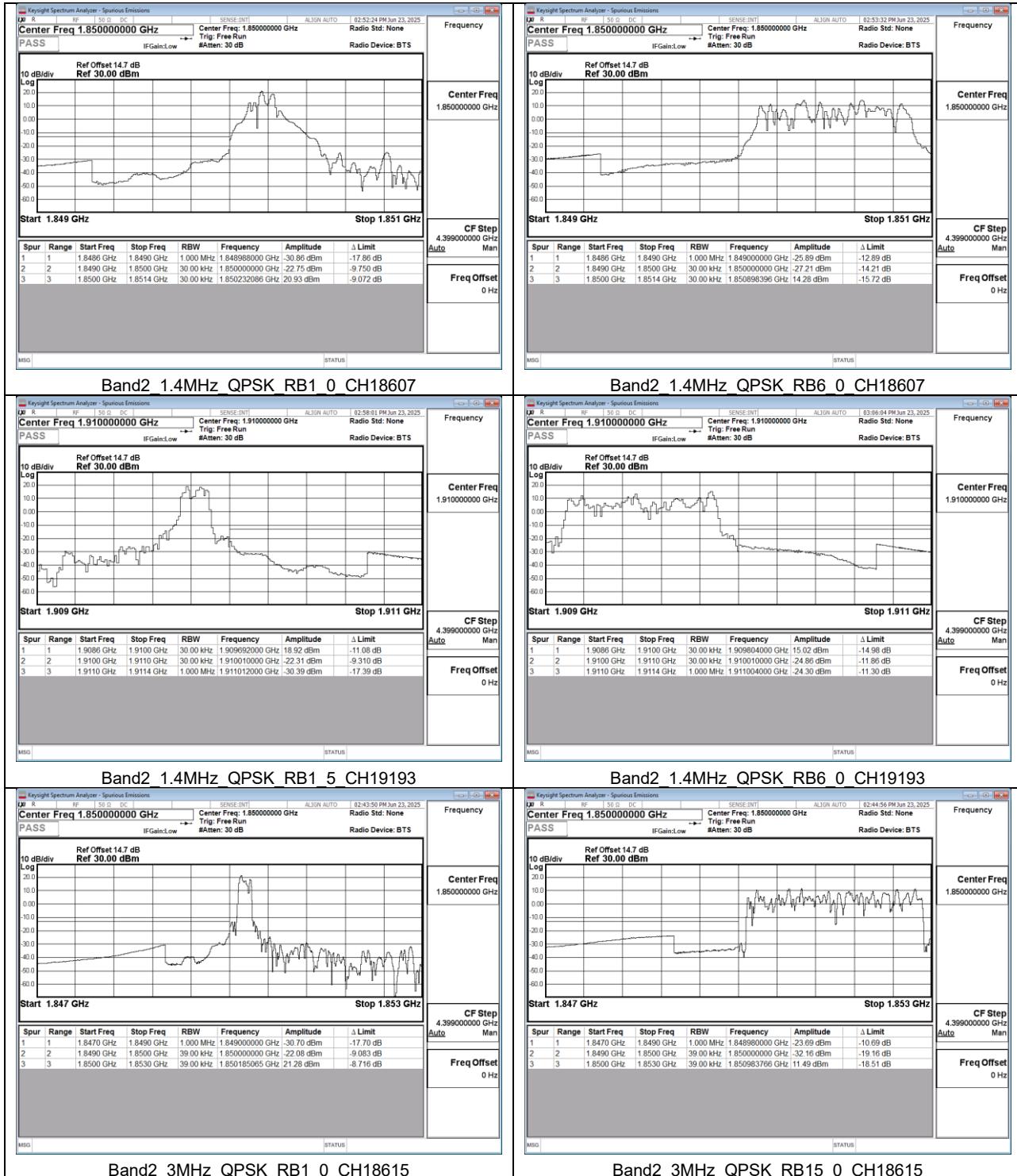
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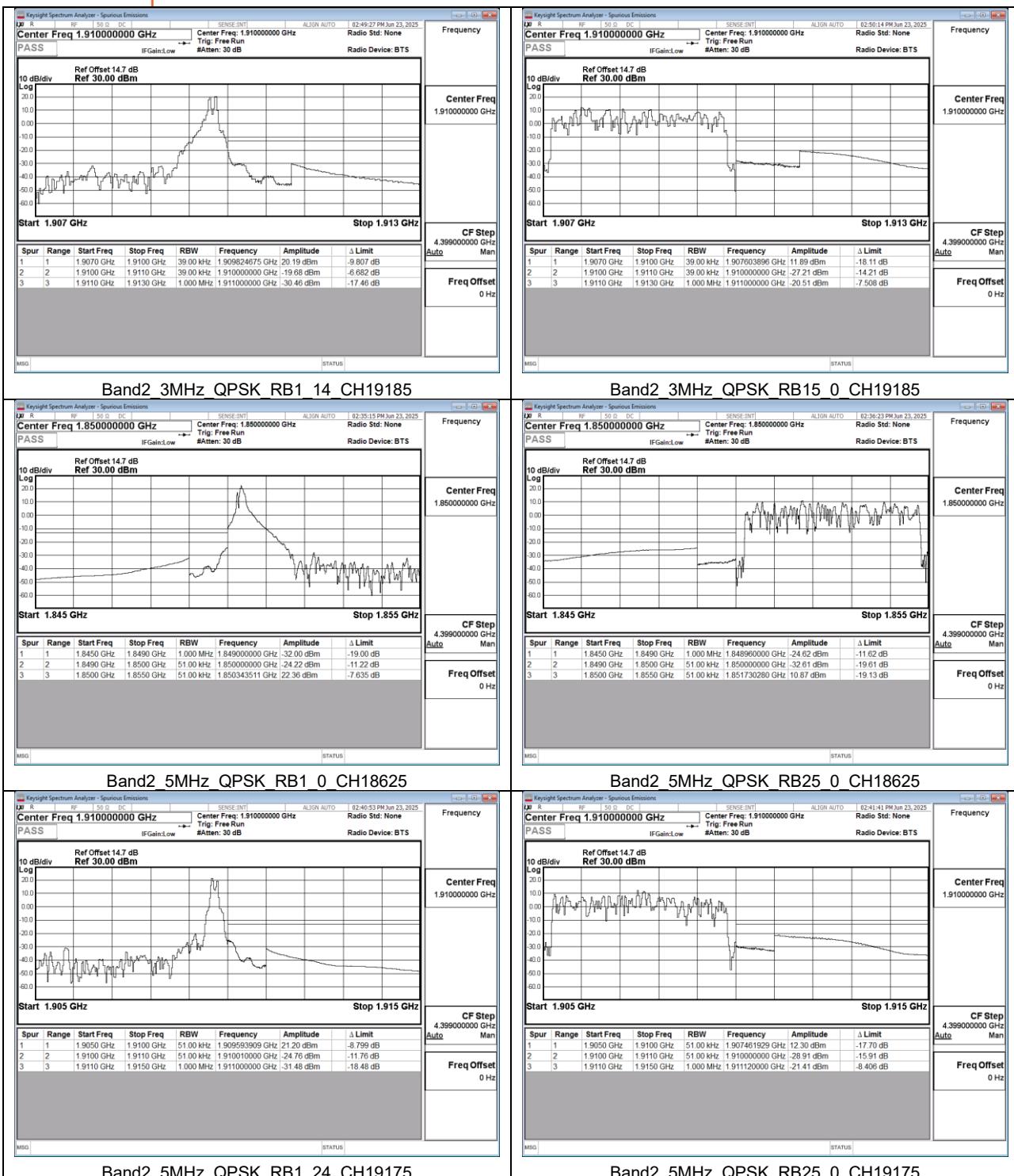
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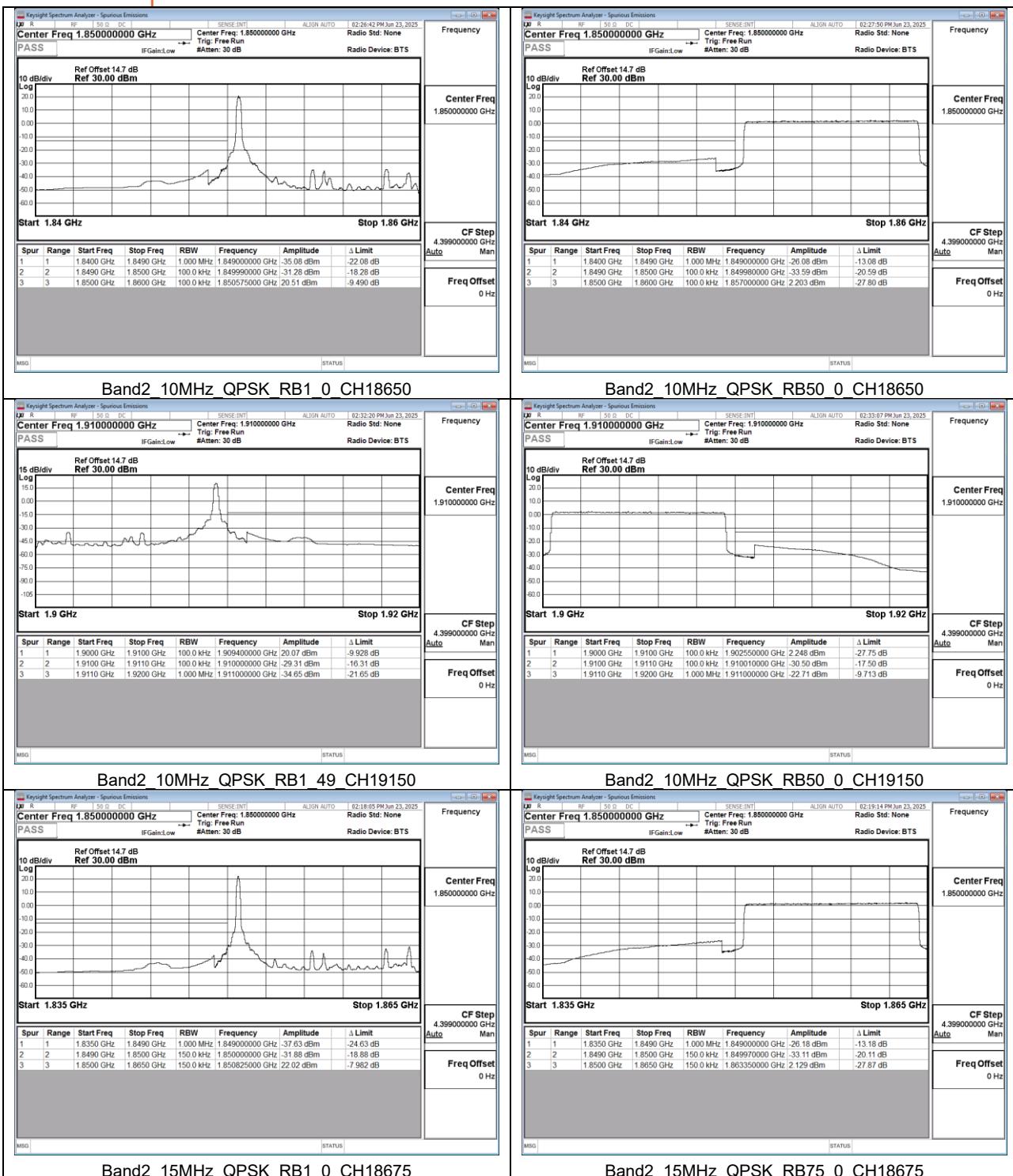
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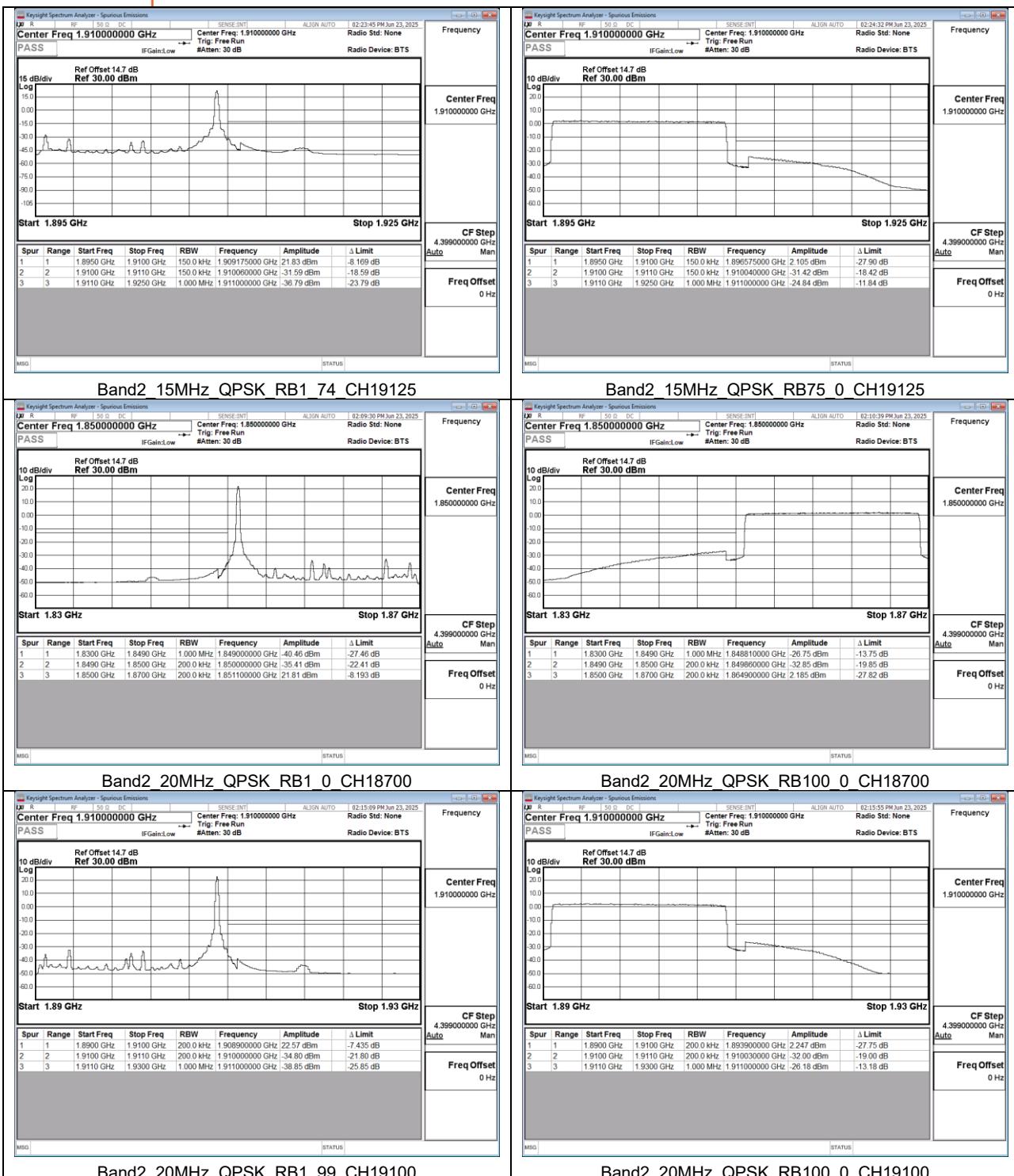
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