

ANNEX A - MEASUREMENT RESULTS

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1 MAXIMUM OUTPUT POWER

Antenna gain (dBi)		-3.17							
LTE Band 2_Uplink frequency band : 1850 to 1910 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
1.4	18607	1850.7	QPSK	1	0	22.63	19.46	33	-13.54
				1	5	22.68	19.51	33	-13.49
				3	2	22.62	19.45	33	-13.55
				6	0	21.61	18.44	33	-14.56
	18900	1880	QPSK	1	0	22.67	19.50	33	-13.5
				1	5	22.68	19.51	33	-13.49
				3	2	22.74	19.57	33	-13.43
				6	0	21.77	18.60	33	-14.4
	19193	1909.3	QPSK	1	0	22.68	19.51	33	-13.49
				1	5	22.70	19.53	33	-13.47
				3	2	22.77	19.60	33	-13.4
				6	0	21.72	18.55	33	-14.45
1.4	18607	1850.7	16QAM	1	0	21.66	18.49	33	-14.51
				1	5	21.72	18.55	33	-14.45
				3	2	21.60	18.43	33	-14.57
				6	0	20.60	17.43	33	-15.57
	18900	1880	16QAM	1	0	21.58	18.41	33	-14.59
				1	5	21.64	18.47	33	-14.53
				3	2	21.74	18.57	33	-14.43
				6	0	20.76	17.59	33	-15.41
	19193	1909.3	16QAM	1	0	21.77	18.60	33	-14.4
				1	5	21.66	18.49	33	-14.51
				3	2	21.58	18.41	33	-14.59
				6	0	20.63	17.46	33	-15.54

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Antenna gain (dBi)		-3.17							
LTE Band 2_Uplink frequency band : 1850 to 1910 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
3	18615	1851.5	QPSK	1	0	22.59	19.42	33	-13.58
				1	14	22.73	19.56	33	-13.44
				8	4	21.71	18.54	33	-14.46
				15	0	21.65	18.48	33	-14.52
	18900	1880	QPSK	1	0	22.65	19.48	33	-13.52
				1	14	22.74	19.57	33	-13.43
				8	4	21.75	18.58	33	-14.42
				15	0	21.76	18.59	33	-14.41
	19185	1908.5	QPSK	1	0	22.74	19.57	33	-13.43
				1	14	22.77	19.60	33	-13.4
				8	4	21.70	18.53	33	-14.47
				15	0	21.58	18.41	33	-14.59
3	18615	1851.5	16QAM	1	0	21.70	18.53	33	-14.47
				1	14	21.66	18.49	33	-14.51
				8	4	20.74	17.57	33	-15.43
				15	0	20.64	17.47	33	-15.53
	18900	1880	16QAM	1	0	21.70	18.53	33	-14.47
				1	14	21.64	18.47	33	-14.53
				8	4	20.75	17.58	33	-15.42
				15	0	20.63	17.46	33	-15.54
	19185	1908.5	16QAM	1	0	21.75	18.58	33	-14.42
				1	14	21.60	18.43	33	-14.57
				8	4	20.59	17.42	33	-15.58
				15	0	20.70	17.53	33	-15.47

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Antenna gain (dBi)		-3.17							
LTE Band 2_Uplink frequency band : 1850 to 1910 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
5	18625	1852.5	QPSK	1	0	22.66	19.49	33	-13.51
				1	24	22.73	19.56	33	-13.44
				12	6	21.65	18.48	33	-14.52
				25	0	21.77	18.60	33	-14.4
	18900	1880	QPSK	1	0	22.70	19.53	33	-13.47
				1	24	22.62	19.45	33	-13.55
				12	6	21.66	18.49	33	-14.51
				25	0	21.69	18.52	33	-14.48
	19175	1907.5	QPSK	1	0	22.76	19.59	33	-13.41
				1	24	22.72	19.55	33	-13.45
				12	6	21.58	18.41	33	-14.59
				25	0	21.59	18.42	33	-14.58
5	18625	1852.5	16QAM	1	0	21.78	18.61	33	-14.39
				1	24	21.61	18.44	33	-14.56
				12	6	20.75	17.58	33	-15.42
				25	0	20.64	17.47	33	-15.53
	18900	1880	16QAM	1	0	21.63	18.46	33	-14.54
				1	24	21.64	18.47	33	-14.53
				12	6	20.62	17.45	33	-15.55
				25	0	20.62	17.45	33	-15.55
	19175	1907.5	16QAM	1	0	21.59	18.42	33	-14.58
				1	24	21.69	18.52	33	-14.48
				12	6	20.65	17.48	33	-15.52
				25	0	20.59	17.42	33	-15.58

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Antenna gain (dBi)		-3.17							
LTE Band 2_Uplink frequency band : 1850 to 1910 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10	18650	1855	QPSK	1	0	22.72	19.55	33	-13.45
				1	49	22.64	19.47	33	-13.53
				25	12	21.64	18.47	33	-14.53
				50	0	21.74	18.57	33	-14.43
	18900	1880	QPSK	1	0	22.70	19.53	33	-13.47
				1	49	22.71	19.54	33	-13.46
				25	12	21.64	18.47	33	-14.53
				50	0	21.67	18.50	33	-14.5
	19150	1905	QPSK	1	0	22.77	19.60	33	-13.4
				1	49	22.61	19.44	33	-13.56
				25	12	21.60	18.43	33	-14.57
				50	0	21.68	18.51	33	-14.49
10	18650	1855	16QAM	1	0	21.66	18.49	33	-14.51
				1	49	21.67	18.50	33	-14.5
				25	12	20.59	17.42	33	-15.58
				50	0	20.68	17.51	33	-15.49
	18900	1880	16QAM	1	0	21.71	18.54	33	-14.46
				1	49	21.71	18.54	33	-14.46
				25	12	20.71	17.54	33	-15.46
				50	0	20.62	17.45	33	-15.55
	19150	1905	16QAM	1	0	21.74	18.57	33	-14.43
				1	49	21.64	18.47	33	-14.53
				25	12	20.68	17.51	33	-15.49
				50	0	20.74	17.57	33	-15.43

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Antenna gain (dBi)		-3.17							
LTE Band 2_Uplink frequency band : 1850 to 1910 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
15	18675	1857.5	QPSK	1	0	22.69	19.52	33	-13.48
				1	74	22.74	19.57	33	-13.43
				36	18	21.73	18.56	33	-14.44
				75	0	21.71	18.54	33	-14.46
	18900	1880	QPSK	1	0	22.64	19.47	33	-13.53
				1	74	22.76	19.59	33	-13.41
				36	18	21.72	18.55	33	-14.45
				75	0	21.76	18.59	33	-14.41
	19125	1902.5	QPSK	1	0	22.66	19.49	33	-13.51
				1	74	22.75	19.58	33	-13.42
				36	18	21.66	18.49	33	-14.51
				75	0	21.74	18.57	33	-14.43
15	18675	1857.5	16QAM	1	0	21.66	18.49	33	-14.51
				1	74	21.73	18.56	33	-14.44
				36	18	20.61	17.44	33	-15.56
				75	0	20.68	17.51	33	-15.49
	18900	1880	16QAM	1	0	21.69	18.52	33	-14.48
				1	74	21.61	18.44	33	-14.56
				36	18	20.64	17.47	33	-15.53
				75	0	20.61	17.44	33	-15.56
	19125	1902.5	16QAM	1	0	21.74	18.57	33	-14.43
				1	74	21.65	18.48	33	-14.52
				36	18	20.60	17.43	33	-15.57
				75	0	20.69	17.52	33	-15.48

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Antenna gain (dBi)		-3.17							
LTE Band 2_Uplink frequency band : 1850 to 1910 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
20	18700	1860	QPSK	1	0	22.79	19.62	33	-13.38
				1	99	22.77	19.60	33	-13.4
				50	25	21.61	18.44	33	-14.56
				100	0	21.74	18.57	33	-14.43
	18900	1880	QPSK	1	0	23.02	19.85	33	-13.15
				1	99	22.62	19.45	33	-13.55
				50	25	21.61	18.44	33	-14.56
				100	0	21.65	18.48	33	-14.52
	19100	1900	QPSK	1	0	22.85	19.68	33	-13.32
				1	99	22.67	19.50	33	-13.5
				50	25	21.70	18.53	33	-14.47
				100	0	21.73	18.56	33	-14.44
20	18700	1860	16QAM	1	0	21.78	18.61	33	-14.39
				1	99	21.64	18.47	33	-14.53
				50	25	20.63	17.46	33	-15.54
				100	0	20.62	17.45	33	-15.55
	18900	1880	16QAM	1	0	21.74	18.57	33	-14.43
				1	99	21.71	18.54	33	-14.46
				50	25	20.61	17.44	33	-15.56
				100	0	20.76	17.59	33	-15.41
	19100	1900	16QAM	1	0	21.76	18.59	33	-14.41
				1	99	21.72	18.55	33	-14.45
				50	25	20.68	17.51	33	-15.49
				100	0	20.77	17.60	33	-15.4

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Antenna gain (dBi)		-3.17							
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	22.69	19.52	30	-10.48
				1	5	22.71	19.54	30	-10.46
				3	2	22.65	19.48	30	-10.52
				6	0	21.64	18.47	30	-11.53
	20175	1732.5	QPSK	1	0	22.60	19.43	30	-10.57
				1	5	22.70	19.53	30	-10.47
				3	2	22.71	19.54	30	-10.46
				6	0	21.62	18.45	30	-11.55
	20393	1754.3	QPSK	1	0	22.72	19.55	30	-10.45
				1	5	22.55	19.38	30	-10.62
				3	2	22.67	19.50	30	-10.5
				6	0	21.56	18.39	30	-11.61
1.4	19957	1710.7	16QAM	1	0	21.55	18.38	30	-11.62
				1	5	21.73	18.56	30	-11.44
				3	2	21.58	18.41	30	-11.59
				6	0	20.72	17.55	30	-12.45
	20175	1732.5	16QAM	1	0	21.64	18.47	30	-11.53
				1	5	21.63	18.46	30	-11.54
				3	2	21.63	18.46	30	-11.54
				6	0	20.63	17.46	30	-12.54
	20393	1754.3	16QAM	1	0	21.57	18.40	30	-11.6
				1	5	21.60	18.43	30	-11.57
				3	2	21.60	18.43	30	-11.57
				6	0	20.56	17.39	30	-12.61

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Antenna gain (dBi)		-3.17							
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	22.73	19.56	30	-10.44
				1	14	22.67	19.50	30	-10.5
				8	4	21.67	18.50	30	-11.5
				15	0	21.64	18.47	30	-11.53
	20175	1732.5	QPSK	1	0	22.71	19.54	30	-10.46
				1	14	22.70	19.53	30	-10.47
				8	4	21.60	18.43	30	-11.57
				15	0	21.71	18.54	30	-11.46
	20385	1753.5	QPSK	1	0	22.56	19.39	30	-10.61
				1	14	22.57	19.40	30	-10.6
				8	4	21.63	18.46	30	-11.54
				15	0	21.63	18.46	30	-11.54
3	19965	1711.5	16QAM	1	0	21.65	18.48	30	-11.52
				1	14	21.74	18.57	30	-11.43
				8	4	20.62	17.45	30	-12.55
				15	0	20.73	17.56	30	-12.44
	20175	1732.5	16QAM	1	0	21.65	18.48	30	-11.52
				1	14	21.60	18.43	30	-11.57
				8	4	20.56	17.39	30	-12.61
				15	0	20.62	17.45	30	-12.55
	20385	1753.5	16QAM	1	0	21.63	18.46	30	-11.54
				1	14	21.56	18.39	30	-11.61
				8	4	20.55	17.38	30	-12.62
				15	0	20.63	17.46	30	-12.54

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Antenna gain (dBi)		-3.17							
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	22.63	19.46	30	-10.54
				1	24	22.63	19.46	30	-10.54
				12	6	21.57	18.40	30	-11.6
				25	0	21.64	18.47	30	-11.53
	20175	1732.5	QPSK	1	0	22.66	19.49	30	-10.51
				1	24	22.71	19.54	30	-10.46
				12	6	21.63	18.46	30	-11.54
				25	0	21.68	18.51	30	-11.49
	20375	1752.5	QPSK	1	0	22.67	19.50	30	-10.5
				1	24	22.57	19.40	30	-10.6
				12	6	21.61	18.44	30	-11.56
				25	0	21.65	18.48	30	-11.52
5	19975	1712.5	16QAM	1	0	21.72	18.55	30	-11.45
				1	24	21.68	18.51	30	-11.49
				12	6	20.55	17.38	30	-12.62
				25	0	20.61	17.44	30	-12.56
	20175	1732.5	16QAM	1	0	21.63	18.46	30	-11.54
				1	24	21.63	18.46	30	-11.54
				12	6	20.57	17.40	30	-12.6
				25	0	20.71	17.54	30	-12.46
	20375	1752.5	16QAM	1	0	21.69	18.52	30	-11.48
				1	24	21.70	18.53	30	-11.47
				12	6	20.68	17.51	30	-12.49
				25	0	20.62	17.45	30	-12.55

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Antenna gain (dBi)		-3.17							
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	22.71	19.54	30	-10.46
				1	49	22.66	19.49	30	-10.51
				25	12	21.67	18.50	30	-11.5
				50	0	21.70	18.53	30	-11.47
	20175	1732.5	QPSK	1	0	22.58	19.41	30	-10.59
				1	49	22.56	19.39	30	-10.61
				25	12	21.55	18.38	30	-11.62
				50	0	21.58	18.41	30	-11.59
	20350	1750	QPSK	1	0	22.67	19.50	30	-10.5
				1	49	22.55	19.38	30	-10.62
				25	12	21.56	18.39	30	-11.61
				50	0	21.69	18.52	30	-11.48
10	20000	1715	16QAM	1	0	21.67	18.50	30	-11.5
				1	49	21.66	18.49	30	-11.51
				25	12	20.61	17.44	30	-12.56
				50	0	20.54	17.37	30	-12.63
	20175	1732.5	16QAM	1	0	21.67	18.50	30	-11.5
				1	49	21.58	18.41	30	-11.59
				25	12	20.65	17.48	30	-12.52
				50	0	20.74	17.57	30	-12.43
	20350	1750	16QAM	1	0	21.61	18.44	30	-11.56
				1	49	21.58	18.41	30	-11.59
				25	12	20.73	17.56	30	-12.44
				50	0	20.66	17.49	30	-12.51

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Antenna gain (dBi)		-3.17							
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	22.61	19.44	30	-10.56
				1	74	22.60	19.43	30	-10.57
				36	18	21.55	18.38	30	-11.62
				75	0	21.58	18.41	30	-11.59
	20175	1732.5	QPSK	1	0	22.63	19.46	30	-10.54
				1	74	22.54	19.37	30	-10.63
				36	18	21.67	18.50	30	-11.5
				75	0	21.55	18.38	30	-11.62
	20325	1747.5	QPSK	1	0	22.67	19.50	30	-10.5
				1	74	22.57	19.40	30	-10.6
				36	18	21.57	18.40	30	-11.6
				75	0	21.72	18.55	30	-11.45
15	20025	1717.5	16QAM	1	0	21.72	18.55	30	-11.45
				1	74	21.66	18.49	30	-11.51
				36	18	20.73	17.56	30	-12.44
				75	0	20.58	17.41	30	-12.59
	20175	1732.5	16QAM	1	0	21.57	18.40	30	-11.6
				1	74	21.72	18.55	30	-11.45
				36	18	20.67	17.50	30	-12.5
				75	0	20.60	17.43	30	-12.57
	20325	1747.5	16QAM	1	0	21.55	18.38	30	-11.62
				1	74	21.71	18.54	30	-11.46
				36	18	20.74	17.57	30	-12.43
				75	0	20.61	17.44	30	-12.56

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Antenna gain (dBi)		-3.17							
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	22.75	19.58	30	-10.42
				1	99	22.66	19.49	30	-10.51
				50	25	21.62	18.45	30	-11.55
				100	0	21.55	18.38	30	-11.62
	20175	1732.5	QPSK	1	0	22.89	19.72	30	-10.28
				1	99	22.59	19.42	30	-10.58
				50	25	21.62	18.45	30	-11.55
				100	0	21.58	18.41	30	-11.59
	20300	1745	QPSK	1	0	22.81	19.64	30	-10.36
				1	99	22.73	19.56	30	-10.44
				50	25	21.74	18.57	30	-11.43
				100	0	21.71	18.54	30	-11.46
20	20050	1720	16QAM	1	0	21.63	18.46	30	-11.54
				1	99	21.60	18.43	30	-11.57
				50	25	20.59	17.42	30	-12.58
				100	0	20.69	17.52	30	-12.48
	20175	1732.5	16QAM	1	0	21.61	18.44	30	-11.56
				1	99	21.69	18.52	30	-11.48
				50	25	20.57	17.40	30	-12.6
				100	0	20.65	17.48	30	-12.52
	20300	1745	16QAM	1	0	21.71	18.54	30	-11.46
				1	99	21.69	18.52	30	-11.48
				50	25	20.68	17.51	30	-12.49
				100	0	20.54	17.37	30	-12.63

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Antenna gain (dBi)		-9.65								
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	23.54	13.89	11.74	34.77	-23.03
				1	5	23.51	13.86	11.71	34.77	-23.06
				3	2	23.53	13.88	11.73	34.77	-23.04
				6	0	22.48	12.83	10.68	34.77	-24.09
	23095	707.5	QPSK	1	0	23.45	13.80	11.65	34.77	-23.12
				1	5	23.42	13.77	11.62	34.77	-23.15
				3	2	23.53	13.88	11.73	34.77	-23.04
				6	0	22.45	12.80	10.65	34.77	-24.12
	23173	715.3	QPSK	1	0	23.47	13.82	11.67	34.77	-23.10
				1	5	23.50	13.85	11.70	34.77	-23.07
				3	2	23.44	13.79	11.64	34.77	-23.13
				6	0	22.47	12.82	10.67	34.77	-24.10
1.4	23017	699.7	16QAM	1	0	22.45	12.80	10.65	34.77	-24.12
				1	5	22.51	12.86	10.71	34.77	-24.06
				3	2	22.58	12.93	10.78	34.77	-23.99
				6	0	21.51	11.86	9.71	34.77	-25.06
	23095	707.5	16QAM	1	0	22.50	12.85	10.70	34.77	-24.07
				1	5	22.45	12.80	10.65	34.77	-24.12
				3	2	22.57	12.92	10.77	34.77	-24.00
				6	0	21.41	11.76	9.61	34.77	-25.16
	23173	715.3	16QAM	1	0	22.54	12.89	10.74	34.77	-24.03
				1	5	22.41	12.76	10.61	34.77	-24.16
				3	2	22.48	12.83	10.68	34.77	-24.09
				6	0	21.40	11.75	9.60	34.77	-25.17

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Antenna gain (dBi)		-9.65								
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	23.41	13.76	11.61	34.77	-23.16
				1	14	23.46	13.81	11.66	34.77	-23.11
				8	4	22.40	12.75	10.60	34.77	-24.17
				15	0	22.41	12.76	10.61	34.77	-24.16
	23095	707.5	QPSK	1	0	23.55	13.90	11.75	34.77	-23.02
				1	14	23.54	13.89	11.74	34.77	-23.03
				8	4	22.49	12.84	10.69	34.77	-24.08
				15	0	22.50	12.85	10.70	34.77	-24.07
	23165	714.5	QPSK	1	0	23.50	13.85	11.70	34.77	-23.07
				1	14	23.47	13.82	11.67	34.77	-23.10
				8	4	22.49	12.84	10.69	34.77	-24.08
				15	0	22.56	12.91	10.76	34.77	-24.01
3	23025	700.5	16QAM	1	0	22.49	12.84	10.69	34.77	-24.08
				1	14	22.41	12.76	10.61	34.77	-24.16
				8	4	21.53	11.88	9.73	34.77	-25.04
				15	0	21.57	11.92	9.77	34.77	-25.00
	23095	707.5	16QAM	1	0	22.50	12.85	10.70	34.77	-24.07
				1	14	22.43	12.78	10.63	34.77	-24.14
				8	4	21.45	11.80	9.65	34.77	-25.12
				15	0	21.48	11.83	9.68	34.77	-25.09
	23165	714.5	16QAM	1	0	22.58	12.93	10.78	34.77	-23.99
				1	14	22.56	12.91	10.76	34.77	-24.01
				8	4	21.46	11.81	9.66	34.77	-25.11
				15	0	21.58	11.93	9.78	34.77	-24.99

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Antenna gain (dBi)		-9.65								
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	23.52	13.87	11.72	34.77	-23.05
				1	24	23.50	13.85	11.70	34.77	-23.07
				12	6	22.52	12.87	10.72	34.77	-24.05
				25	0	22.43	12.78	10.63	34.77	-24.14
	23095	707.5	QPSK	1	0	23.59	13.94	11.79	34.77	-22.98
				1	24	23.54	13.89	11.74	34.77	-23.03
				12	6	22.51	12.86	10.71	34.77	-24.06
				25	0	22.57	12.92	10.77	34.77	-24.00
	23155	713.5	QPSK	1	0	23.43	13.78	11.63	34.77	-23.14
				1	24	23.47	13.82	11.67	34.77	-23.10
				12	6	22.56	12.91	10.76	34.77	-24.01
				25	0	22.51	12.86	10.71	34.77	-24.06
5	23035	701.5	16QAM	1	0	22.44	12.79	10.64	34.77	-24.13
				1	24	22.47	12.82	10.67	34.77	-24.10
				12	6	21.41	11.76	9.61	34.77	-25.16
				25	0	21.55	11.90	9.75	34.77	-25.02
	23095	707.5	16QAM	1	0	22.47	12.82	10.67	34.77	-24.10
				1	24	22.47	12.82	10.67	34.77	-24.10
				12	6	21.56	11.91	9.76	34.77	-25.01
				25	0	21.54	11.89	9.74	34.77	-25.03
	23155	713.5	16QAM	1	0	22.47	12.82	10.67	34.77	-24.10
				1	24	22.47	12.82	10.67	34.77	-24.10
				12	6	21.41	11.76	9.61	34.77	-25.16
				25	0	21.43	11.78	9.63	34.77	-25.14

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Antenna gain (dBi)		-9.65								
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	23.62	13.97	11.82	34.77	-22.95
				1	49	23.54	13.89	11.74	34.77	-23.03
				25	12	22.48	12.83	10.68	34.77	-24.09
				50	0	22.56	12.91	10.76	34.77	-24.01
	23095	707.5	QPSK	1	0	23.79	14.14	11.99	34.77	-22.78
				1	49	23.48	13.83	11.68	34.77	-23.09
				25	12	22.58	12.93	10.78	34.77	-23.99
				50	0	22.50	12.85	10.70	34.77	-24.07
	23130	711	QPSK	1	0	23.68	14.03	11.88	34.77	-22.89
				1	49	23.50	13.85	11.70	34.77	-23.07
				25	12	22.53	12.88	10.73	34.77	-24.04
				50	0	22.48	12.83	10.68	34.77	-24.09
10	23060	704	16QAM	1	0	22.51	12.86	10.71	34.77	-24.06
				1	49	22.39	12.74	10.59	34.77	-24.18
				25	12	21.44	11.79	9.64	34.77	-25.13
				50	0	21.52	11.87	9.72	34.77	-25.05
	23095	707.5	16QAM	1	0	22.54	12.89	10.74	34.77	-24.03
				1	49	22.59	12.94	10.79	34.77	-23.98
				25	12	21.59	11.94	9.79	34.77	-24.98
				50	0	21.55	11.90	9.75	34.77	-25.02
	23130	711	16QAM	1	0	22.49	12.84	10.69	34.77	-24.08
				1	49	22.43	12.78	10.63	34.77	-24.14
				25	12	21.56	11.91	9.76	34.77	-25.01
				50	0	21.47	11.82	9.67	34.77	-25.10

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Antenna gain (dBi)		-3.17							
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	22.87	19.70	30	-10.3
				1	5	22.83	19.66	30	-10.34
				3	2	22.89	19.72	30	-10.28
				6	0	21.94	18.77	30	-11.23
	132322	1745	QPSK	1	0	22.83	19.66	30	-10.34
				1	5	22.93	19.76	30	-10.24
				3	2	22.94	19.77	30	-10.23
				6	0	21.98	18.81	30	-11.19
	132665	1779.3	QPSK	1	0	22.90	19.73	30	-10.27
				1	5	22.80	19.63	30	-10.37
				3	2	22.92	19.75	30	-10.25
				6	0	21.85	18.68	30	-11.32
1.4	131979	1710.7	16QAM	1	0	21.89	18.72	30	-11.28
				1	5	21.85	18.68	30	-11.32
				3	2	21.92	18.75	30	-11.25
				6	0	20.90	17.73	30	-12.27
	132322	1745	16QAM	1	0	21.88	18.71	30	-11.29
				1	5	21.90	18.73	30	-11.27
				3	2	21.94	18.77	30	-11.23
				6	0	20.98	17.81	30	-12.19
	132665	1779.3	16QAM	1	0	21.96	18.79	30	-11.21
				1	5	21.90	18.73	30	-11.27
				3	2	21.87	18.70	30	-11.3
				6	0	20.98	17.81	30	-12.19

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Antenna gain (dBi)		-3.17							
LTE Band 66_Uplink frequency band : 1710 to 1780 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
3	131987	1711.5	QPSK	1	0	22.86	19.69	30	-10.31
				1	14	22.83	19.66	30	-10.34
				8	4	21.91	18.74	30	-11.26
				15	0	21.87	18.70	30	-11.3
	132322	1745	QPSK	1	0	22.84	19.67	30	-10.33
				1	14	22.87	19.70	30	-10.3
				8	4	21.98	18.81	30	-11.19
				15	0	21.97	18.80	30	-11.2
	132657	1778.5	QPSK	1	0	22.94	19.77	30	-10.23
				1	14	22.85	19.68	30	-10.32
				8	4	21.81	18.64	30	-11.36
				15	0	21.82	18.65	30	-11.35
3	131987	1711.5	16QAM	1	0	21.82	18.65	30	-11.35
				1	14	21.85	18.68	30	-11.32
				8	4	20.84	17.67	30	-12.33
				15	0	20.99	17.82	30	-12.18
	132322	1745	16QAM	1	0	21.97	18.80	30	-11.2
				1	14	21.93	18.76	30	-11.24
				8	4	20.85	17.68	30	-12.32
				15	0	20.82	17.65	30	-12.35
	132657	1778.5	16QAM	1	0	21.84	18.67	30	-11.33
				1	14	21.93	18.76	30	-11.24
				8	4	20.92	17.75	30	-12.25
				15	0	20.90	17.73	30	-12.27

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Antenna gain (dBi)		-3.17							
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	22.89	19.72	30	-10.28
				1	24	22.86	19.69	30	-10.31
				12	6	21.90	18.73	30	-11.27
				25	0	21.85	18.68	30	-11.32
	132322	1745	QPSK	1	0	22.95	19.78	30	-10.22
				1	24	22.97	19.80	30	-10.2
				12	6	22.00	18.83	30	-11.17
				25	0	21.97	18.80	30	-11.2
	132647	1777.5	QPSK	1	0	22.89	19.72	30	-10.28
				1	24	22.90	19.73	30	-10.27
				12	6	21.98	18.81	30	-11.19
				25	0	21.97	18.80	30	-11.2
5	131997	1712.5	16QAM	1	0	21.99	18.82	30	-11.18
				1	24	21.98	18.81	30	-11.19
				12	6	20.91	17.74	30	-12.26
				25	0	20.97	17.80	30	-12.2
	132322	1745	16QAM	1	0	21.99	18.82	30	-11.18
				1	24	21.81	18.64	30	-11.36
				12	6	20.98	17.81	30	-12.19
				25	0	20.89	17.72	30	-12.28
	132647	1777.5	16QAM	1	0	21.87	18.70	30	-11.3
				1	24	21.82	18.65	30	-11.35
				12	6	20.99	17.82	30	-12.18
				25	0	20.83	17.66	30	-12.34

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Antenna gain (dBi)		-3.17							
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	22.93	19.76	30	-10.24
				1	49	22.94	19.77	30	-10.23
				25	12	21.85	18.68	30	-11.32
				50	0	21.94	18.77	30	-11.23
	132322	1745	QPSK	1	0	22.90	19.73	30	-10.27
				1	49	22.97	19.80	30	-10.2
				25	12	21.97	18.80	30	-11.2
				50	0	21.94	18.77	30	-11.23
	132622	1775	QPSK	1	0	22.81	19.64	30	-10.36
				1	49	22.88	19.71	30	-10.29
				25	12	21.83	18.66	30	-11.34
				50	0	21.93	18.76	30	-11.24
10	132022	1715	16QAM	1	0	21.96	18.79	30	-11.21
				1	49	21.81	18.64	30	-11.36
				25	12	20.83	17.66	30	-12.34
				50	0	20.99	17.82	30	-12.18
	132322	1745	16QAM	1	0	21.90	18.73	30	-11.27
				1	49	21.89	18.72	30	-11.28
				25	12	21.00	17.83	30	-12.17
				50	0	20.94	17.77	30	-12.23
	132622	1775	16QAM	1	0	21.94	18.77	30	-11.23
				1	49	21.93	18.76	30	-11.24
				25	12	20.99	17.82	30	-12.18
				50	0	20.94	17.77	30	-12.23

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Antenna gain (dBi)		-3.17							
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)
15	132047	1717.5	QPSK	1	0	22.94	19.77	30	-10.23
				1	74	22.84	19.67	30	-10.33
				36	18	21.86	18.69	30	-11.31
				75	0	21.86	18.69	30	-11.31
	132322	1745	QPSK	1	0	22.84	19.67	30	-10.33
				1	74	22.92	19.75	30	-10.25
				36	18	21.87	18.70	30	-11.3
				75	0	21.82	18.65	30	-11.35
	132597	1772.5	QPSK	1	0	22.92	19.75	30	-10.25
				1	74	22.98	19.81	30	-10.19
				36	18	21.99	18.82	30	-11.18
				75	0	21.86	18.69	30	-11.31
15	132047	1717.5	16QAM	1	0	21.89	18.72	30	-11.28
				1	74	21.81	18.64	30	-11.36
				36	18	20.94	17.77	30	-12.23
				75	0	20.81	17.64	30	-12.36
	132322	1745	16QAM	1	0	21.87	18.70	30	-11.3
				1	74	21.95	18.78	30	-11.22
				36	18	20.94	17.77	30	-12.23
				75	0	20.87	17.70	30	-12.3
	132597	1772.5	16QAM	1	0	21.81	18.64	30	-11.36
				1	74	21.87	18.70	30	-11.3
				36	18	20.82	17.65	30	-12.35
				75	0	20.86	17.69	30	-12.31

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Antenna gain (dBi)		-3.17							
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	23.05	19.88	30	-10.12
				1	99	22.80	19.63	30	-10.37
				50	25	21.96	18.79	30	-11.21
				100	0	21.89	18.72	30	-11.28
	132322	1745	QPSK	1	0	23.22	20.05	30	-9.95
				1	99	22.88	19.71	30	-10.29
				50	25	21.90	18.73	30	-11.27
				100	0	21.93	18.76	30	-11.24
	132572	1770	QPSK	1	0	23.13	19.96	30	-10.04
				1	99	22.95	19.78	30	-10.22
				50	25	22.00	18.83	30	-11.17
				100	0	21.81	18.64	30	-11.36
20	132072	1720	16QAM	1	0	21.81	18.64	30	-11.36
				1	99	21.86	18.69	30	-11.31
				50	25	20.92	17.75	30	-12.25
				100	0	20.89	17.72	30	-12.28
	132322	1745	16QAM	1	0	21.88	18.71	30	-11.29
				1	99	21.96	18.79	30	-11.21
				50	25	20.96	17.79	30	-12.21
				100	0	20.96	17.79	30	-12.21
	132572	1770	16QAM	1	0	21.94	18.77	30	-11.23
				1	99	21.96	18.79	30	-11.21
				50	25	20.91	17.74	30	-12.26
				100	0	20.87	17.70	30	-12.3

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Antenna gain (dBi)		-9.65								
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	23.51	13.86	11.71	34.77	-23.06
				1	24	23.53	13.88	11.73	34.77	-23.04
				12	6	22.59	12.94	10.79	34.77	-23.98
				25	0	22.67	13.02	10.87	34.77	-23.90
	133297	680.5	QPSK	1	0	23.57	13.92	11.77	34.77	-23.00
				1	24	23.49	13.84	11.69	34.77	-23.08
				12	6	22.60	12.95	10.80	34.77	-23.97
				25	0	22.63	12.98	10.83	34.77	-23.94
	133447	695.5	QPSK	1	0	23.66	14.01	11.86	34.77	-22.91
				1	24	23.48	13.83	11.68	34.77	-23.09
				12	6	22.56	12.91	10.76	34.77	-24.01
				25	0	22.60	12.95	10.80	34.77	-23.97
5	133147	665.5	16QAM	1	0	22.67	13.02	10.87	34.77	-23.90
				1	24	22.64	12.99	10.84	34.77	-23.93
				12	6	21.60	11.95	9.80	34.77	-24.97
				25	0	21.61	11.96	9.81	34.77	-24.96
	133297	680.5	16QAM	1	0	22.55	12.90	10.75	34.77	-24.02
				1	24	22.61	12.96	10.81	34.77	-23.96
				12	6	21.57	11.92	9.77	34.77	-25.00
				25	0	21.57	11.92	9.77	34.77	-25.00
	133447	695.5	16QAM	1	0	22.65	13.00	10.85	34.77	-23.92
				1	24	22.65	13.00	10.85	34.77	-23.92
				12	6	21.61	11.96	9.81	34.77	-24.96
				25	0	21.47	11.82	9.67	34.77	-25.10

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Antenna gain (dBi)		-9.65								
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	23.62	13.97	11.82	34.77	-22.95
				1	49	23.58	13.93	11.78	34.77	-22.99
				25	12	22.62	12.97	10.82	34.77	-23.95
				50	0	22.63	12.98	10.83	34.77	-23.94
	133297	680.5	QPSK	1	0	23.64	13.99	11.84	34.77	-22.93
				1	49	23.50	13.85	11.70	34.77	-23.07
				25	12	22.64	12.99	10.84	34.77	-23.93
				50	0	22.59	12.94	10.79	34.77	-23.98
	133422	693	QPSK	1	0	23.48	13.83	11.68	34.77	-23.09
				1	49	23.60	13.95	11.80	34.77	-22.97
				25	12	22.56	12.91	10.76	34.77	-24.01
				50	0	22.66	13.01	10.86	34.77	-23.91
10	133172	668	16QAM	1	0	22.62	12.97	10.82	34.77	-23.95
				1	49	22.51	12.86	10.71	34.77	-24.06
				25	12	21.52	11.87	9.72	34.77	-25.05
				50	0	21.67	12.02	9.87	34.77	-24.90
	133297	680.5	16QAM	1	0	22.51	12.86	10.71	34.77	-24.06
				1	49	22.58	12.93	10.78	34.77	-23.99
				25	12	21.58	11.93	9.78	34.77	-24.99
				50	0	21.58	11.93	9.78	34.77	-24.99
	133422	693	16QAM	1	0	22.48	12.83	10.68	34.77	-24.09
				1	49	22.65	13.00	10.85	34.77	-23.92
				25	12	21.56	11.91	9.76	34.77	-25.01
				50	0	21.50	11.85	9.70	34.77	-25.07

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Antenna gain (dBi)		-9.65								
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	23.63	13.98	11.83	34.77	-22.94
				1	74	23.65	14.00	11.85	34.77	-22.92
				36	18	22.65	13.00	10.85	34.77	-23.92
				75	0	22.49	12.84	10.69	34.77	-24.08
	133297	680.5	QPSK	1	0	23.51	13.86	11.71	34.77	-23.06
				1	74	23.61	13.96	11.81	34.77	-22.96
				36	18	22.65	13.00	10.85	34.77	-23.92
				75	0	22.60	12.95	10.80	34.77	-23.97
	133397	690.5	QPSK	1	0	23.56	13.91	11.76	34.77	-23.01
				1	74	23.52	13.87	11.72	34.77	-23.05
				36	18	22.67	13.02	10.87	34.77	-23.90
				75	0	22.54	12.89	10.74	34.77	-24.03
15	133197	670.5	16QAM	1	0	22.66	13.01	10.86	34.77	-23.91
				1	74	22.56	12.91	10.76	34.77	-24.01
				36	18	21.55	11.90	9.75	34.77	-25.02
				75	0	21.67	12.02	9.87	34.77	-24.90
	133297	680.5	16QAM	1	0	22.59	12.94	10.79	34.77	-23.98
				1	74	22.54	12.89	10.74	34.77	-24.03
				36	18	21.53	11.88	9.73	34.77	-25.04
				75	0	21.51	11.86	9.71	34.77	-25.06
	133397	690.5	16QAM	1	0	22.61	12.96	10.81	34.77	-23.96
				1	74	22.48	12.83	10.68	34.77	-24.09
				36	18	21.56	11.91	9.76	34.77	-25.01
				75	0	21.52	11.87	9.72	34.77	-25.05

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Antenna gain (dBi)		-9.65								
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	23.69	14.04	11.89	34.77	-22.88
				1	99	23.51	13.86	11.71	34.77	-23.06
				50	25	22.65	13.00	10.85	34.77	-23.92
				100	0	22.55	12.90	10.75	34.77	-24.02
	133297	680.5	QPSK	1	0	23.85	14.20	12.05	34.77	-22.72
				1	99	23.50	13.85	11.70	34.77	-23.07
				50	25	22.53	12.88	10.73	34.77	-24.04
				100	0	22.61	12.96	10.81	34.77	-23.96
	133372	688	QPSK	1	0	23.77	14.12	11.97	34.77	-22.80
				1	99	23.65	14.00	11.85	34.77	-22.92
				50	25	22.66	13.01	10.86	34.77	-23.91
				100	0	22.50	12.85	10.70	34.77	-24.07
20	133222	673	16QAM	1	0	22.61	12.96	10.81	34.77	-23.96
				1	99	22.60	12.95	10.80	34.77	-23.97
				50	25	21.53	11.88	9.73	34.77	-25.04
				100	0	21.60	11.95	9.80	34.77	-24.97
	133297	680.5	16QAM	1	0	22.68	13.03	10.88	34.77	-23.89
				1	99	22.58	12.93	10.78	34.77	-23.99
				50	25	21.47	11.82	9.67	34.77	-25.10
				100	0	21.48	11.83	9.68	34.77	-25.09
	133372	688	16QAM	1	0	22.66	13.01	10.86	34.77	-23.91
				1	99	22.49	12.84	10.69	34.77	-24.08
				50	25	21.63	11.98	9.83	34.77	-24.94
				100	0	21.56	11.91	9.76	34.77	-25.01

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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	QPSK	16QAM
1850.7	18607	1.0897	1.0893	1.282	1.262
1880.0	18900	1.0888	1.0892	1.272	1.266
1909.3	19193	1.0898	1.0888	1.264	1.266

LTE BAND 2 Channel bandwidth: 3MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1851.5	18615	2.6870	2.6848	2.943	2.957
1880.0	18900	2.6841	2.6860	2.948	2.955
1908.5	19185	2.6828	2.6867	2.950	2.964

LTE BAND 2 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1852.5	18625	4.4765	4.4739	4.954	4.931
1880.0	18900	4.4779	4.4792	4.965	4.948
1907.5	19175	4.4759	4.4803	4.981	4.946

LTE BAND 2 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1855.0	18650	8.9594	8.9268	9.787	9.720
1880.0	18900	8.9526	8.9409	9.785	9.739
1905.0	19150	8.9784	8.9528	9.790	9.735

LTE BAND 2 Channel bandwidth: 15MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1857.5	18675	13.4230	13.4150	14.530	14.710
1880.0	18900	13.4650	13.4130	14.520	14.480
1902.5	19125	13.4470	13.4120	14.450	14.540

LTE BAND 2 Channel bandwidth: 20MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1860.0	18700	17.8500	17.9010	19.180	19.190
1880.0	18900	17.8770	17.9120	19.270	19.240
1900.0	19100	17.8240	17.7930	19.220	19.190

LTE BAND 4 Channel bandwidth: 1.4MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1710.7	19957	1.0875	1.0888	1.267	1.268
1732.5	20175	1.0887	1.0873	1.275	1.264
1754.3	20393	1.0893	1.0906	1.257	1.261

LTE BAND 4 Channel bandwidth: 3MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1711.5	19965	2.6854	2.6896	2.948	2.945
1732.5	20175	2.6865	2.6908	2.948	2.958
1753.5	20385	2.6845	2.6884	2.928	2.955

LTE BAND 4 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1712.5	19975	4.4775	4.4815	4.968	4.956
1732.5	20175	4.4756	4.4693	4.943	4.916
1752.5	20375	4.4786	4.4784	4.971	4.976

LTE BAND 4 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1715.0	20000	8.9819	8.9438	9.753	9.697
1732.5	20175	8.9512	8.9108	9.781	9.704
1750.0	20350	8.9584	8.9378	9.768	9.711

LTE BAND 4 Channel bandwidth: 15MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1717.5	20025	13.4310	13.4150	14.450	14.600
1732.5	20175	13.4080	13.3720	14.460	14.550
1747.5	20325	13.4280	13.4240	14.590	14.600

LTE BAND 4 Channel bandwidth: 20MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1720.0	20050	17.8110	17.8270	19.110	19.150
1732.5	20175	17.8430	17.8770	19.170	19.180
1745.0	20300	17.9040	17.9320	19.220	19.250

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LTE BAND 12 Channel bandwidth: 1.4MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
699.7	23017	1.0877	1.0885	1.249	1.267
707.5	23095	1.0898	1.0889	1.262	1.257
715.3	23173	1.0878	1.0899	1.269	1.291

LTE BAND 12 Channel bandwidth: 3MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
700.5	23025	2.6833	2.6825	2.939	2.953
707.5	23095	2.6855	2.6837	2.935	2.972
714.5	23165	2.6871	2.6871	2.950	2.964

LTE BAND 12 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
701.5	23035	4.4745	4.4701	4.975	4.961
707.5	23095	4.4782	4.4808	4.960	4.966
713.5	23155	4.4651	4.4653	4.938	4.925

LTE BAND 12 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
704.0	23060	8.9921	8.9448	9.881	9.739
707.5	23095	9.0046	8.9685	9.841	9.755
711.0	23130	8.9240	8.8944	9.746	9.632

LTE BAND 66 Channel bandwidth: 1.4MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1710.7	131979	1.0884	1.0907	1.269	1.271
1745.0	132322	1.0885	1.0892	1.264	1.281
1779.3	132665	1.0896	1.0901	1.255	1.265

LTE BAND 66 Channel bandwidth: 3MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1711.5	131987	2.6864	2.6888	2.940	2.963
1745.0	132322	2.6844	2.6905	2.942	2.958
1778.5	132657	2.6853	2.6882	2.951	2.952

LTE BAND 66 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1712.5	131997	4.4770	4.4746	4.948	4.964
1745.0	132322	4.4770	4.4786	4.965	4.995
1777.5	132647	4.4753	4.4791	4.963	4.992

LTE BAND 66 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1715.0	132022	8.9837	8.9426	9.791	9.718
1745.0	132322	8.9806	8.9476	9.826	9.726
1775.0	132622	8.9519	8.9280	9.768	9.648

LTE BAND 66 Channel bandwidth: 15MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1717.5	132047	13.4350	13.4160	14.500	14.620
1745.0	132322	13.4100	13.4200	14.490	14.460
1772.5	132597	13.4760	13.4350	14.620	14.670

LTE BAND 66 Channel bandwidth: 20MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
1720.0	132072	17.7800	17.8620	19.190	19.220
1745.0	132322	17.9460	17.9320	19.170	19.290
1770.0	132572	17.9320	17.9100	19.290	19.370

LTE BAND 71 Channel bandwidth: 5MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
665.5	133147	4.4818	4.4788	4.981	4.973
680.5	133297	4.4722	4.4793	4.973	4.946
695.5	133447	4.4778	4.4785	4.972	4.951

LTE BAND 71 Channel bandwidth: 10MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
688.0	133172	8.9690	8.9669	9.767	9.790
680.5	133297	8.9815	8.9442	9.784	9.741
693.0	133422	8.9465	8.9421	9.812	9.685

LTE BAND 71 Channel bandwidth: 15MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
670.5	133197	13.3910	13.3940	14.490	14.610
680.5	133297	13.4450	13.4340	14.570	14.510
690.5	133397	13.4270	13.3980	14.510	14.540

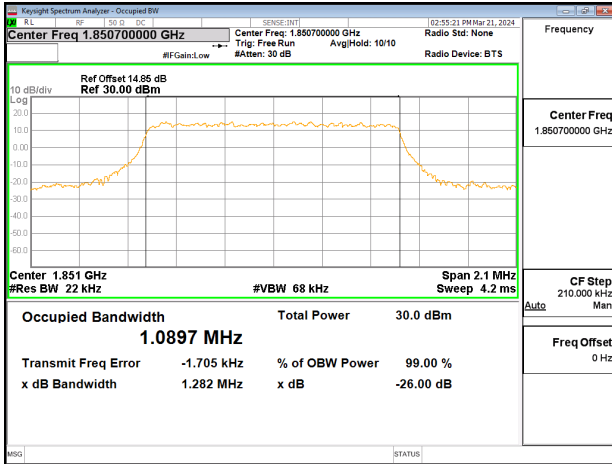
LTE BAND 71 Channel bandwidth: 20MHz					
Freq. (MHz)	CH	99% BW (MHz)		26 dB BW (MHz)	
		QPSK	16QAM	QPSK	16QAM
673.0	133222	17.7830	17.8190	19.110	19.140
680.5	133297	17.8810	17.9080	19.270	19.350
688.0	133372	17.8320	17.8640	19.240	19.160

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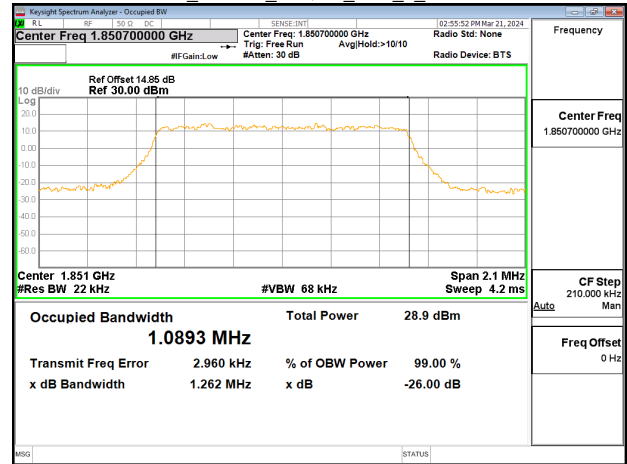
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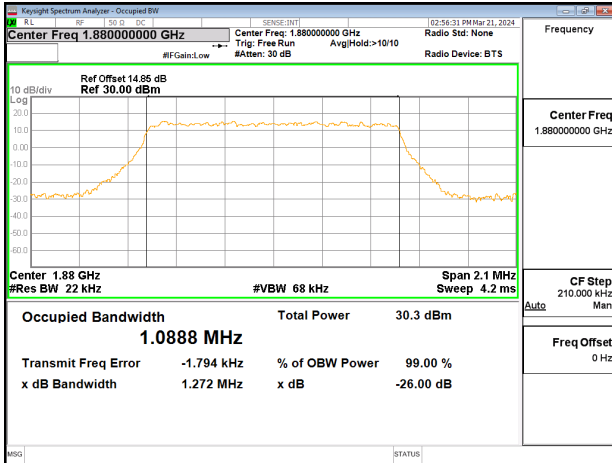
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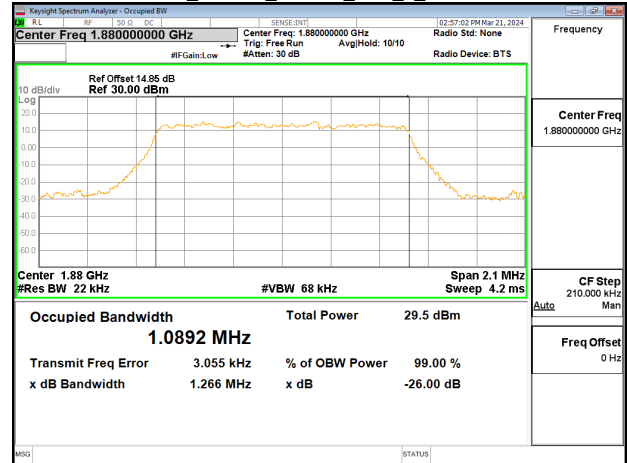
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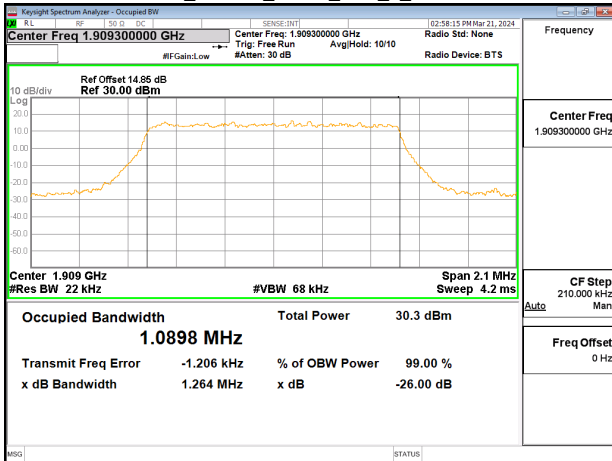
Band2_1.4MHz_QPSK_RB6_0_CH18900



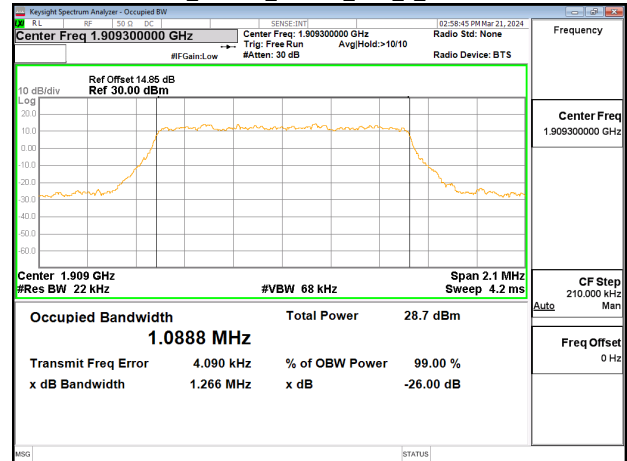
Band2_1.4MHz_16QAM_RB6_0_CH18900



Band2_1.4MHz_QPSK_RB6_0_CH19193



Band2_1.4MHz_16QAM_RB6_0_CH19193

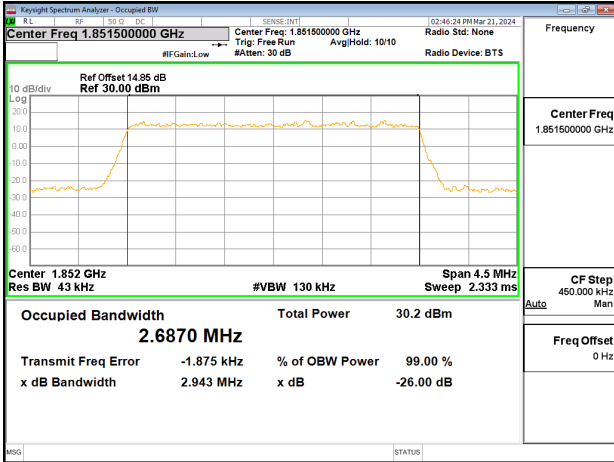


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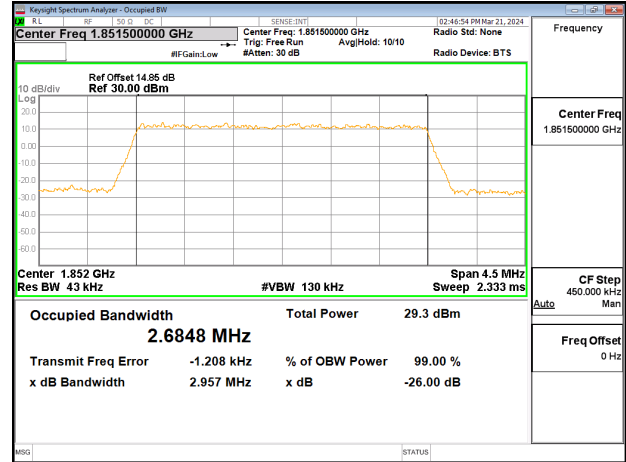
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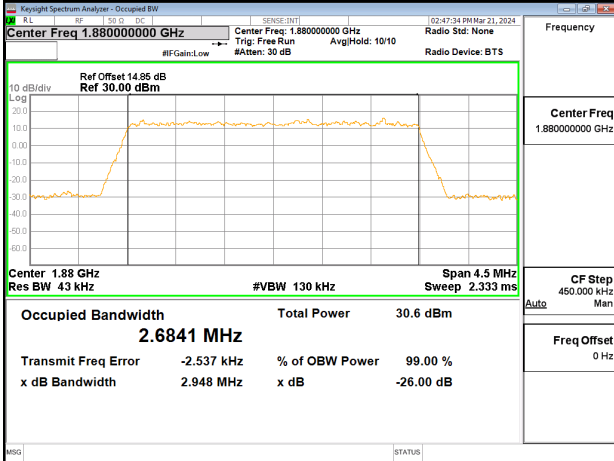
Band2_3MHz_QPSK_RB15_0_CH18615



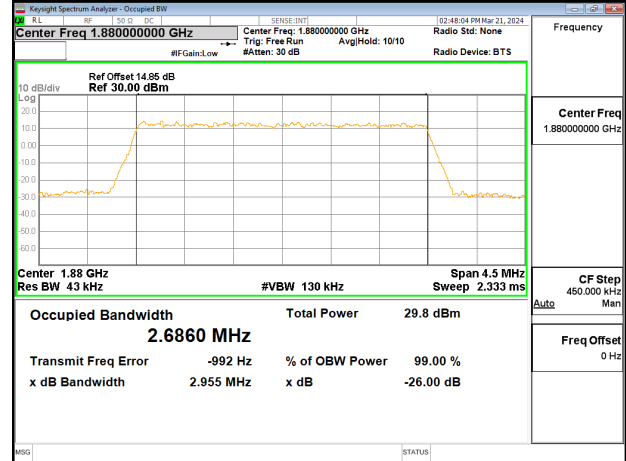
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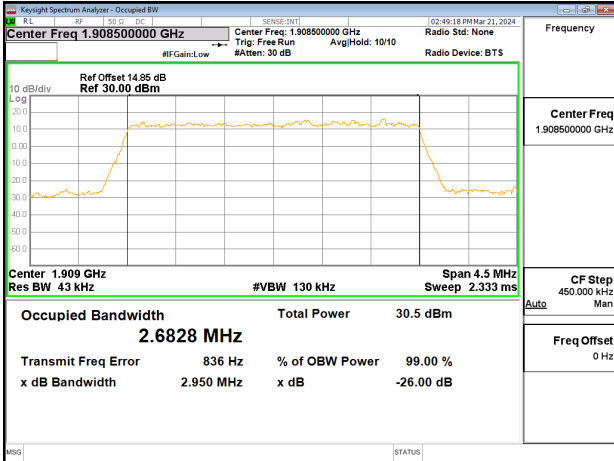
Band2_3MHz_QPSK_RB15_0_CH18900



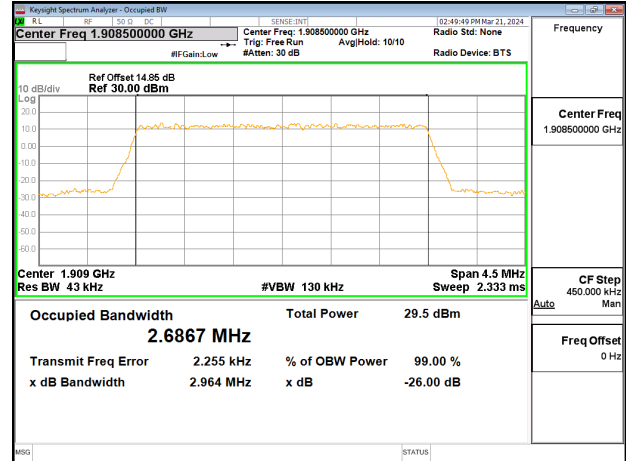
Band2_3MHz_16QAM_RB15_0_CH18900



Band2_3MHz_QPSK_RB15_0_CH19185



Band2_3MHz_16QAM_RB15_0_CH19185

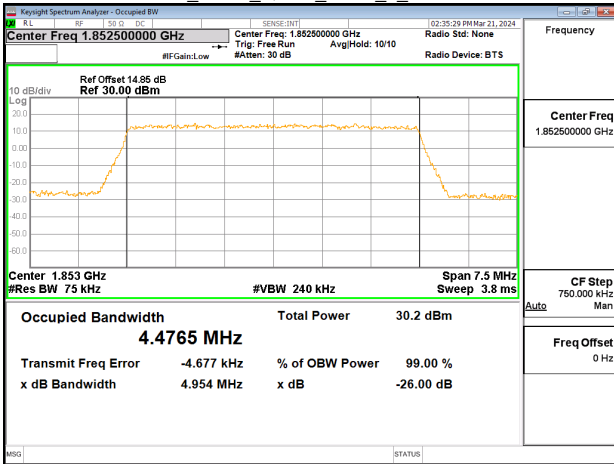


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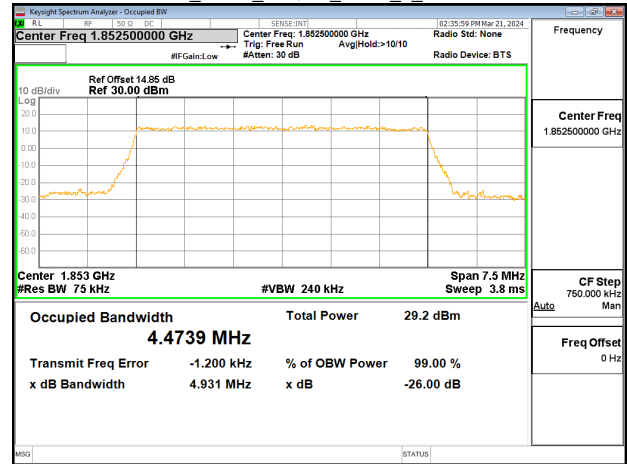
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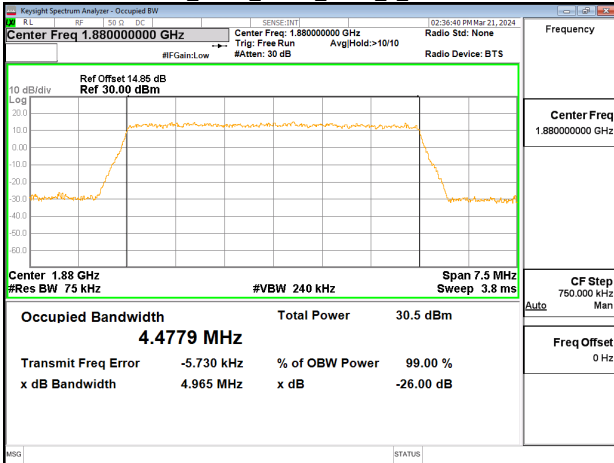
Band2_5MHz_QPSK_RB25_0_CH18625



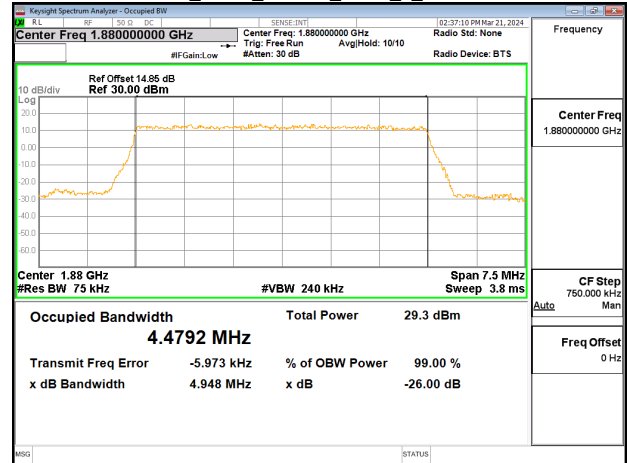
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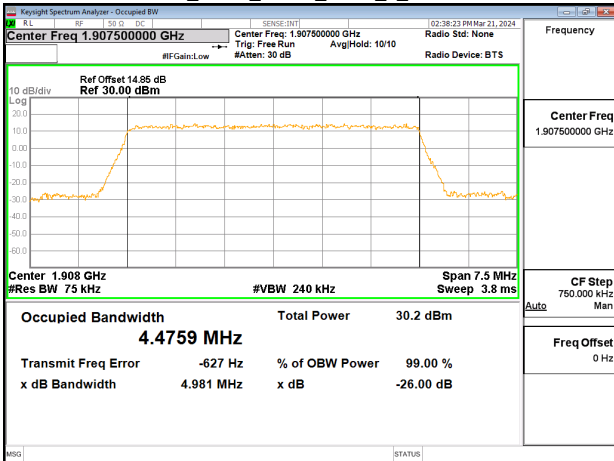
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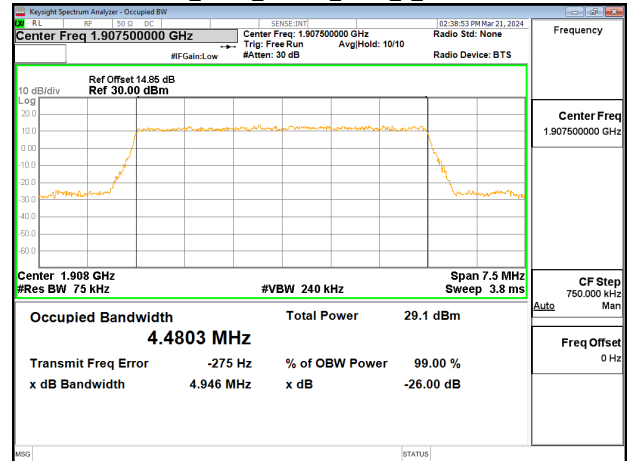
Band2_5MHz_16QAM_RB25_0_CH18900



Band2_5MHz_QPSK_RB25_0_CH19175



Band2_5MHz_16QAM_RB25_0_CH19175

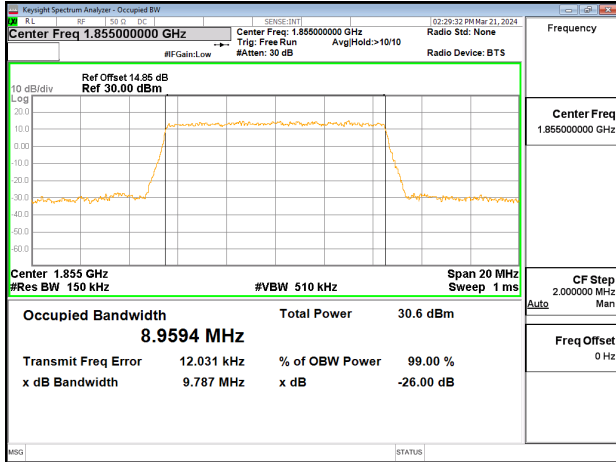


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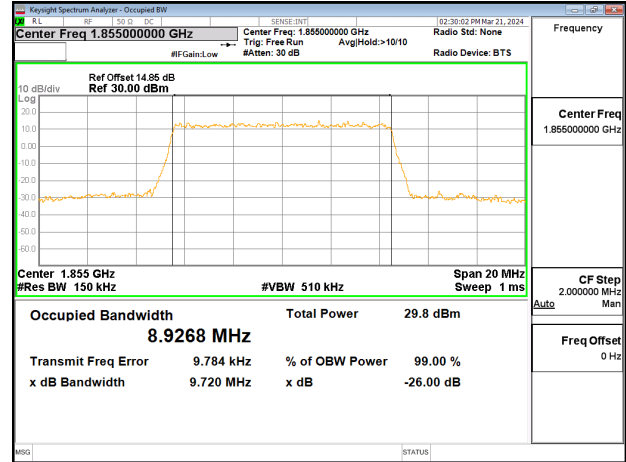
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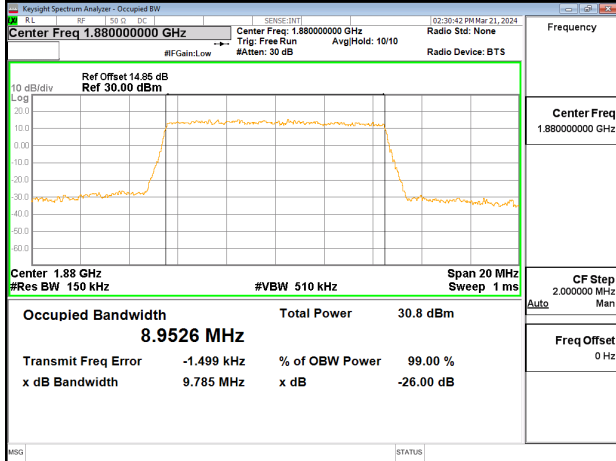
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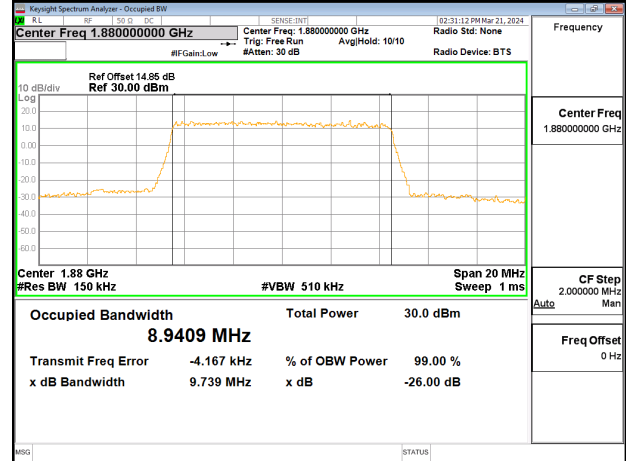
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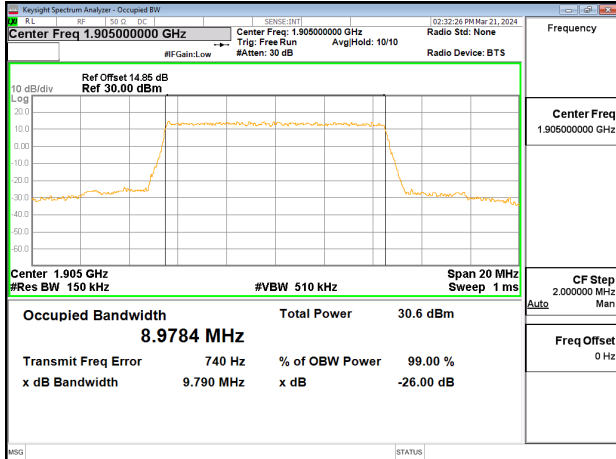
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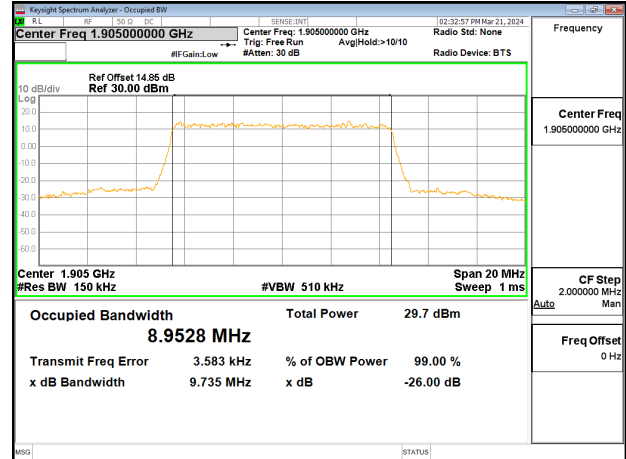
Band2_10MHz_16QAM_RB50_0_CH18900



Band2_10MHz_QPSK_RB50_0_CH19150



Band2_10MHz_16QAM_RB50_0_CH19150

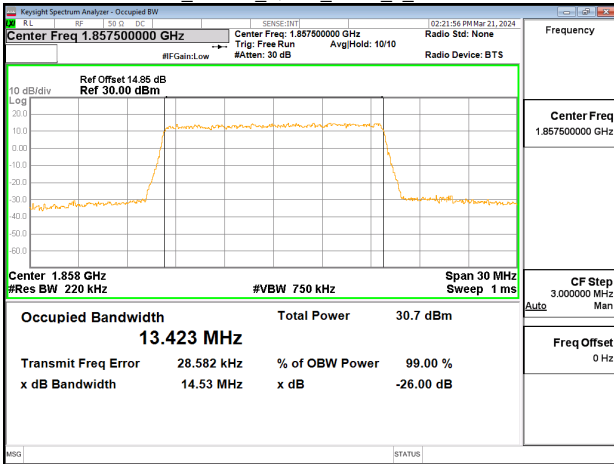


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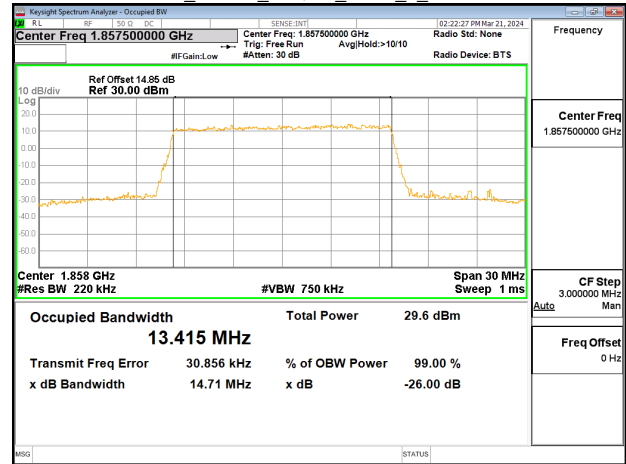
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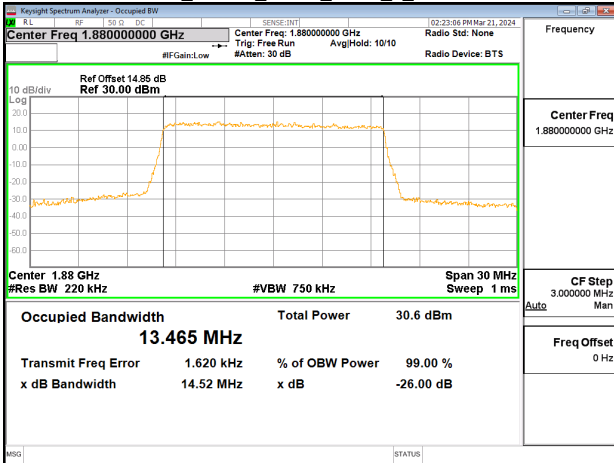
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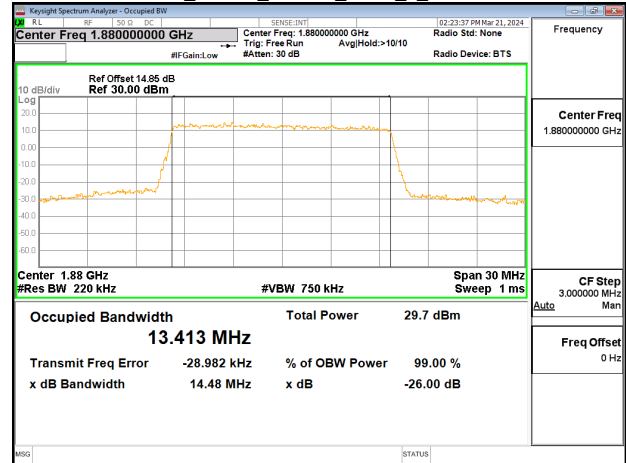
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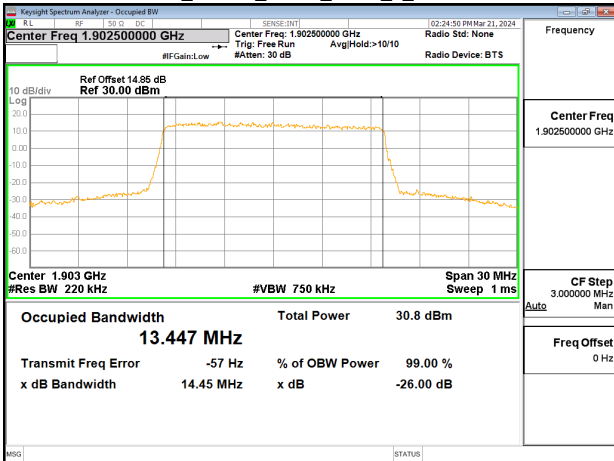
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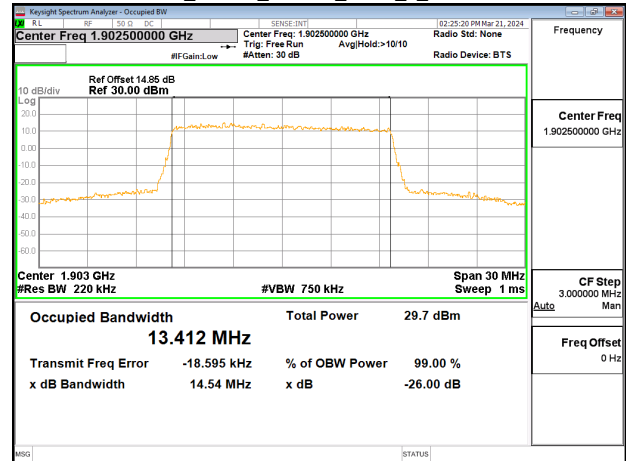
Band2_15MHz_16QAM_RB75_0_CH18900



Band2_15MHz_QPSK_RB75_0_CH19125



Band2_15MHz_16QAM_RB75_0_CH19125

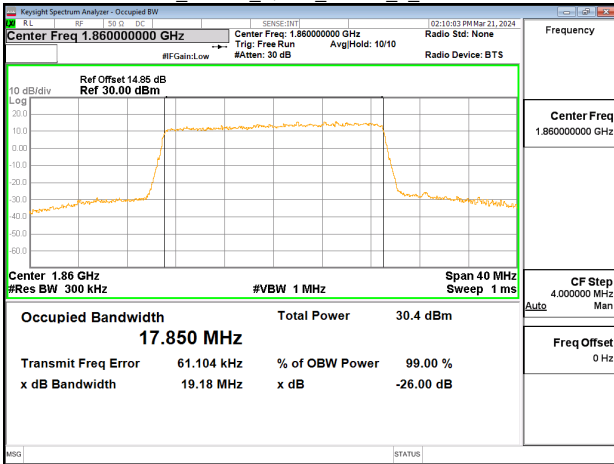


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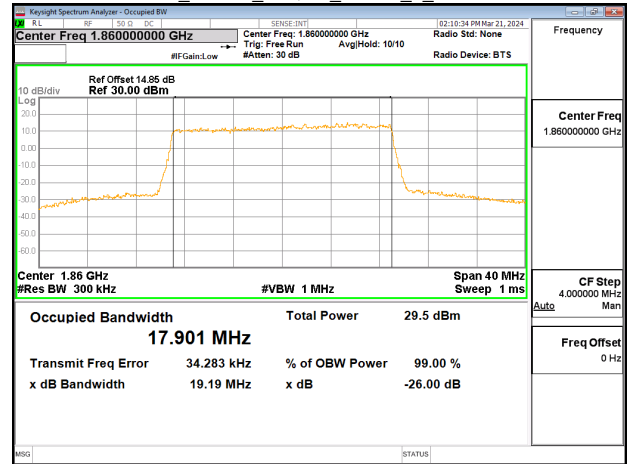
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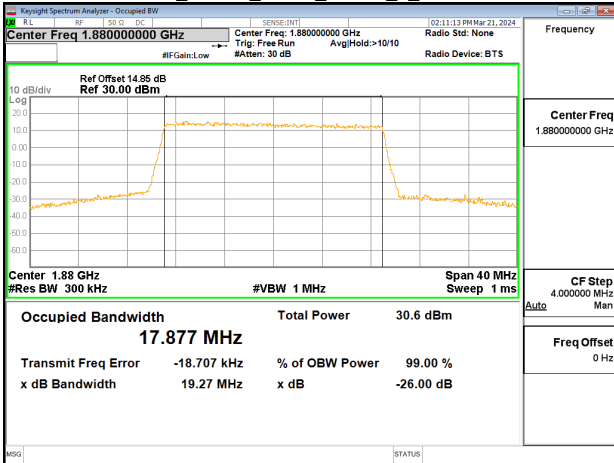
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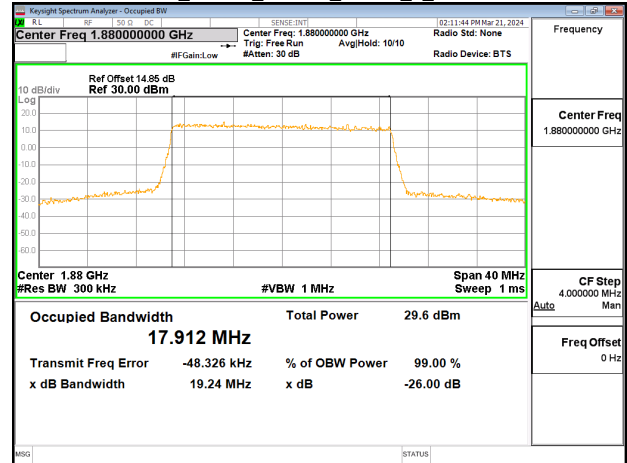
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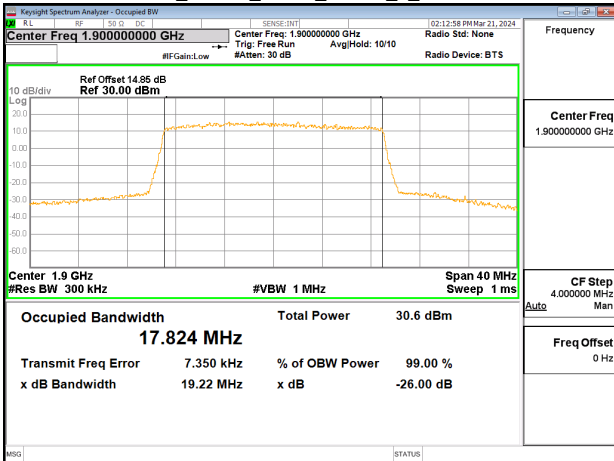
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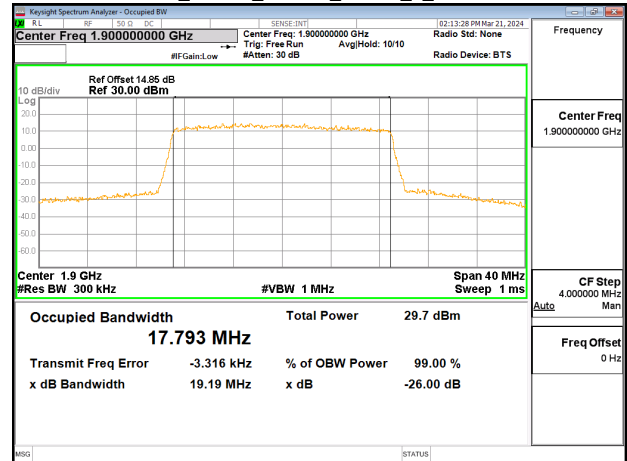
Band2_20MHz_16QAM_RB100_0_CH18900



Band2_20MHz_QPSK_RB100_0_CH19100



Band2_20MHz_16QAM_RB100_0_CH19100

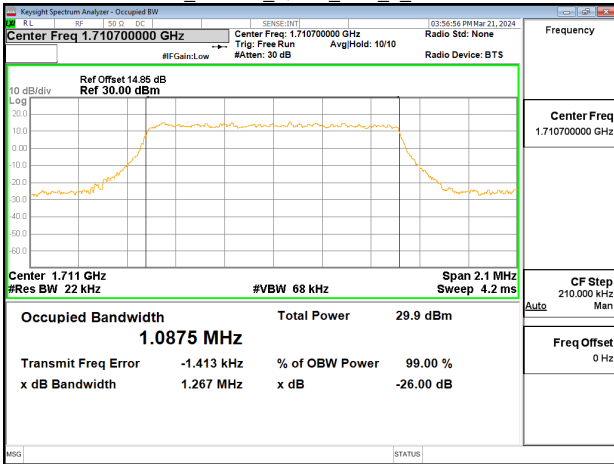


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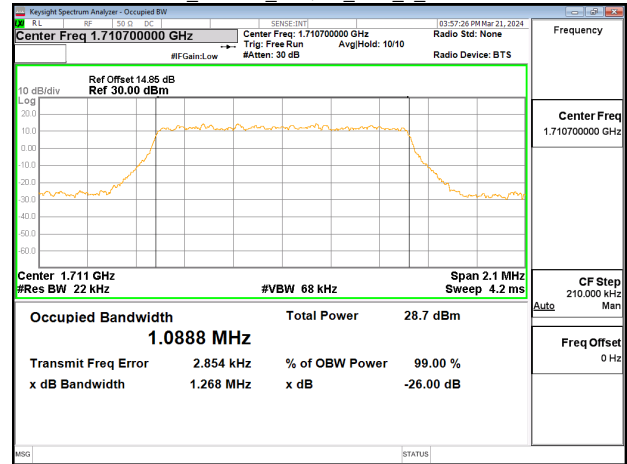
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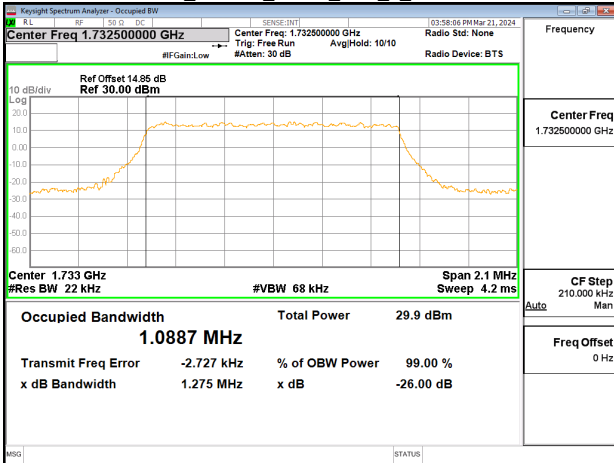
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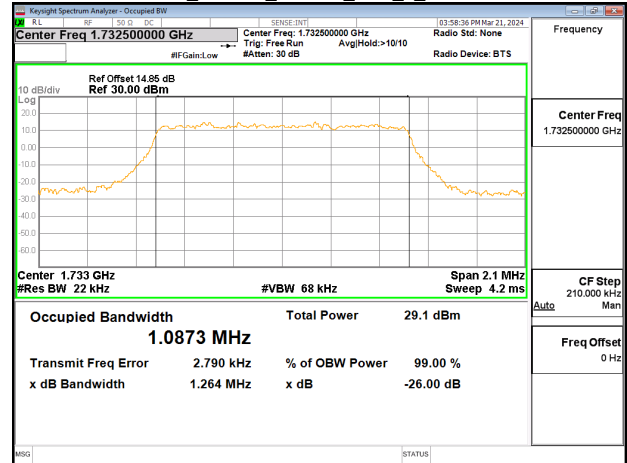
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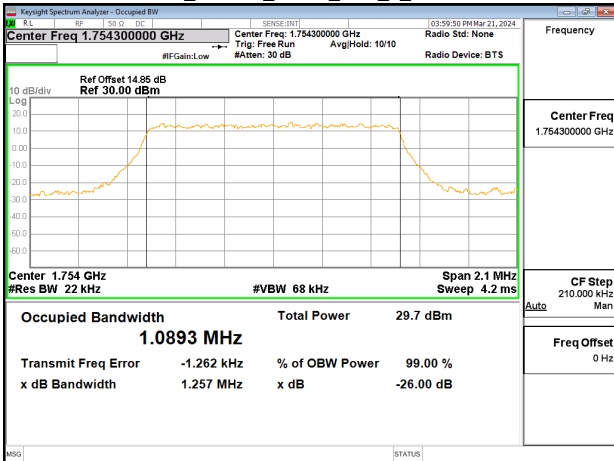
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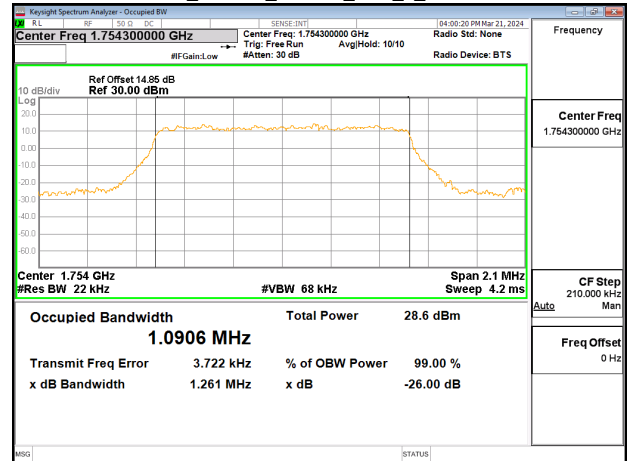
Band4_1.4MHz_16QAM_RB6_0_CH20175



Band4_1.4MHz_QPSK_RB6_0_CH20393



Band4_1.4MHz_16QAM_RB6_0_CH20393

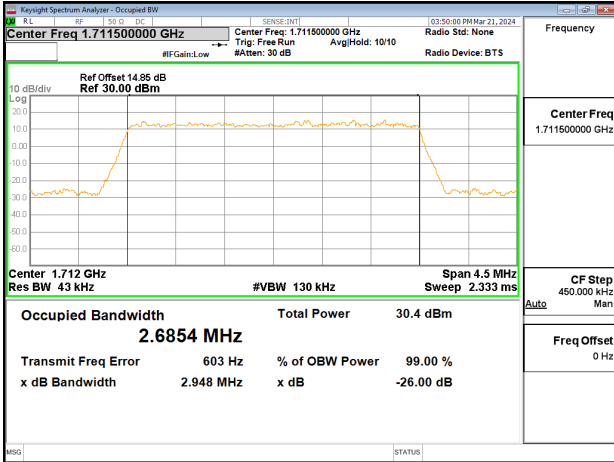


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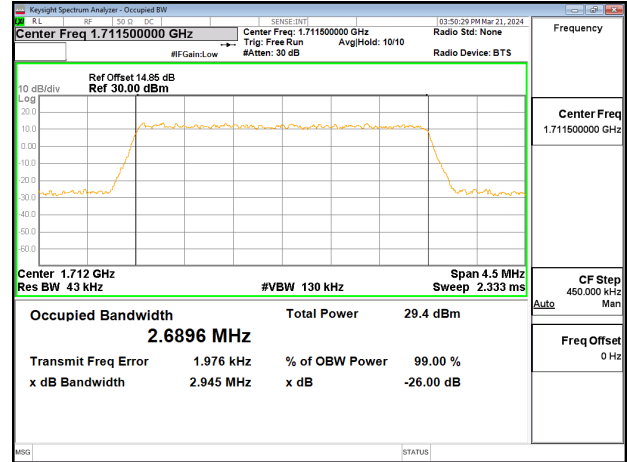
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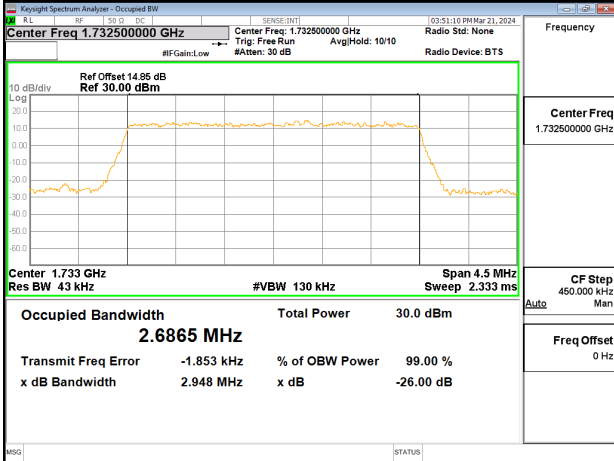
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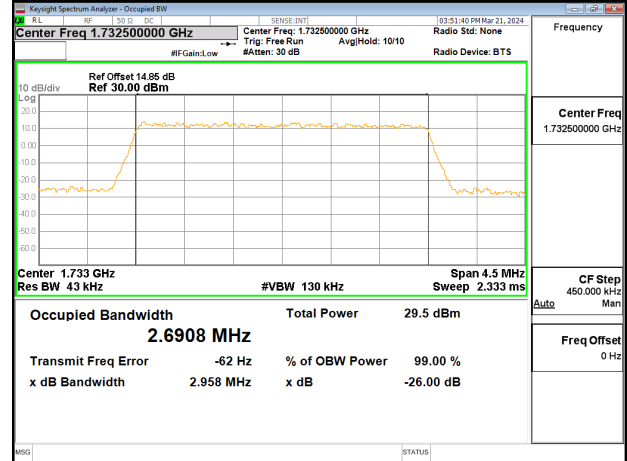
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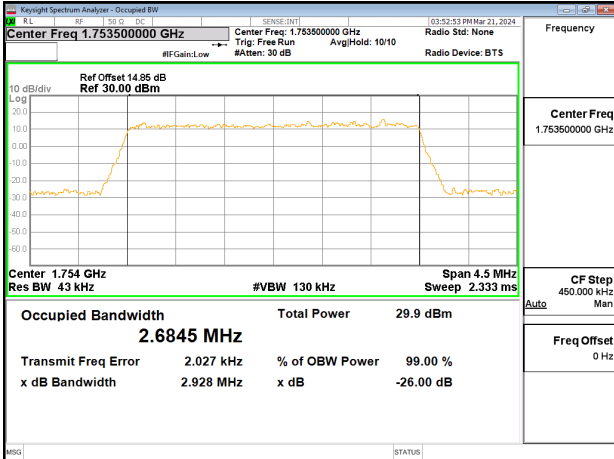
Band4_3MHz_QPSK_RB15_0_CH20175



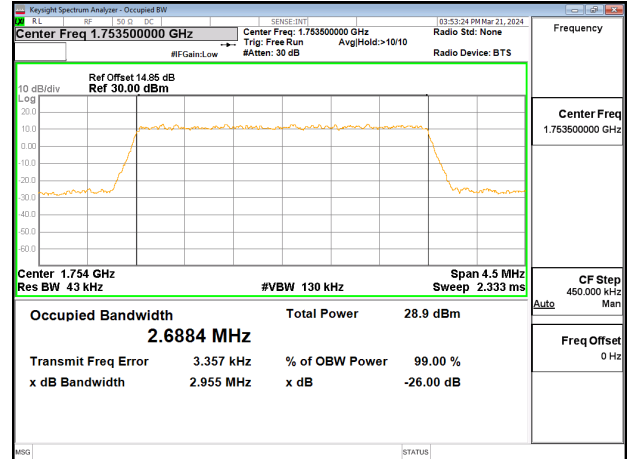
Band4_3MHz_16QAM_RB15_0_CH20175



Band4_3MHz_QPSK_RB15_0_CH20385



Band4_3MHz_16QAM_RB15_0_CH20385

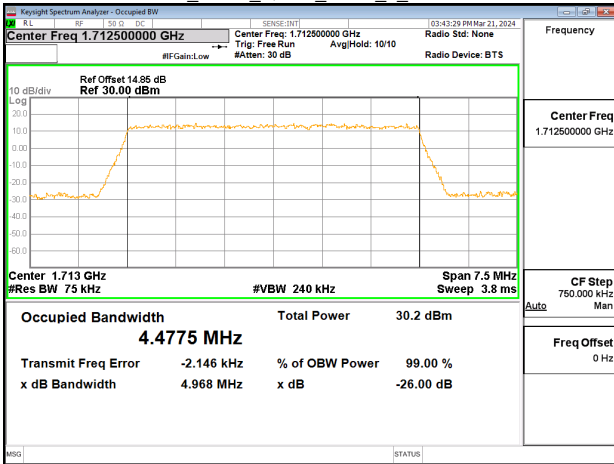


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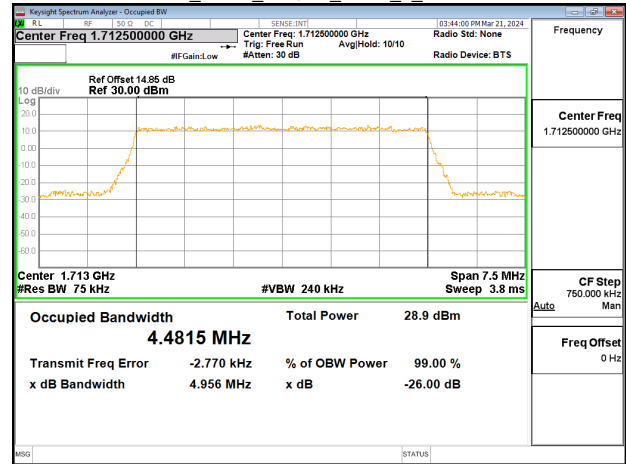
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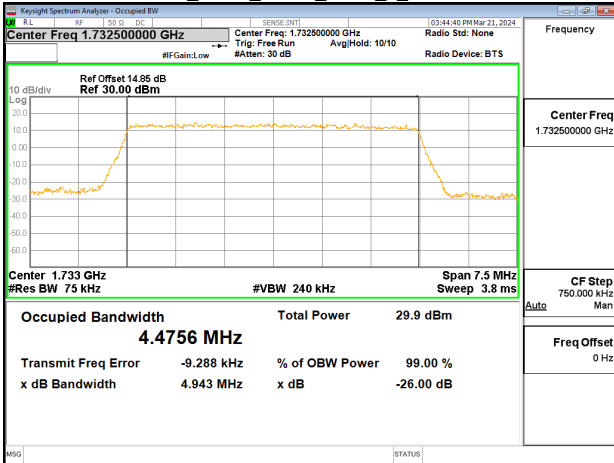
Band4_5MHz_QPSK_RB25_0_CH19975



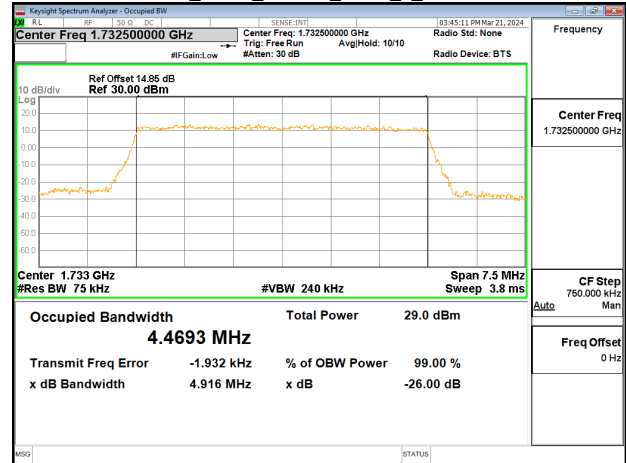
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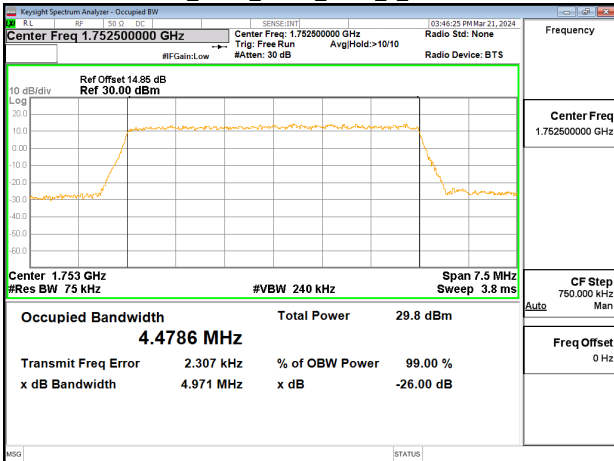
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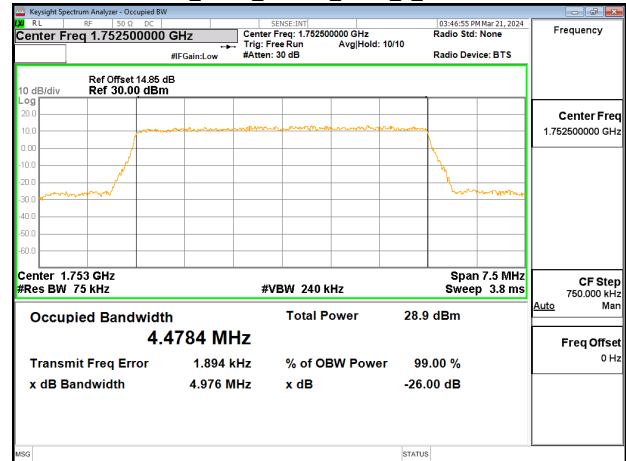
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Band4_5MHz_QPSK_RB25_0_CH20375



Band4_5MHz_16QAM_RB25_0_CH20375

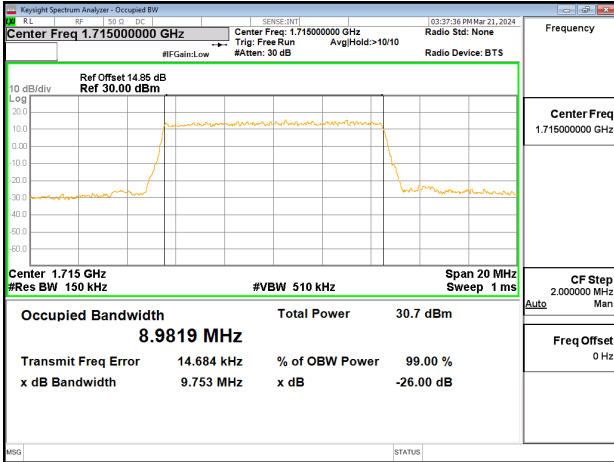


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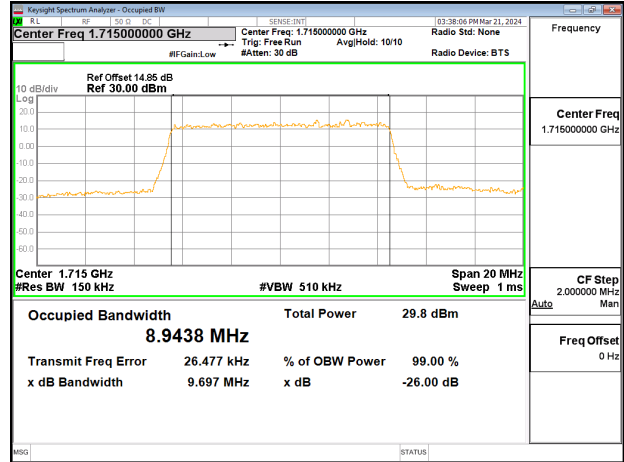
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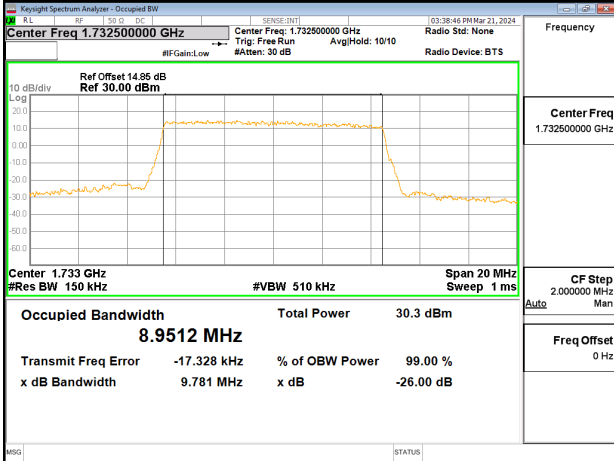
Band4_10MHz_QPSK_RB50_0_CH20000



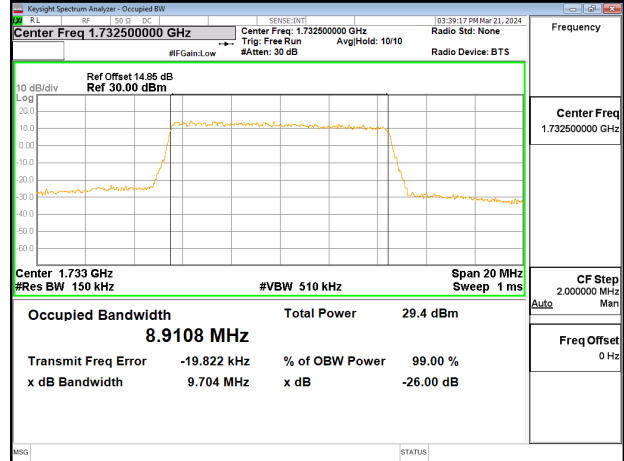
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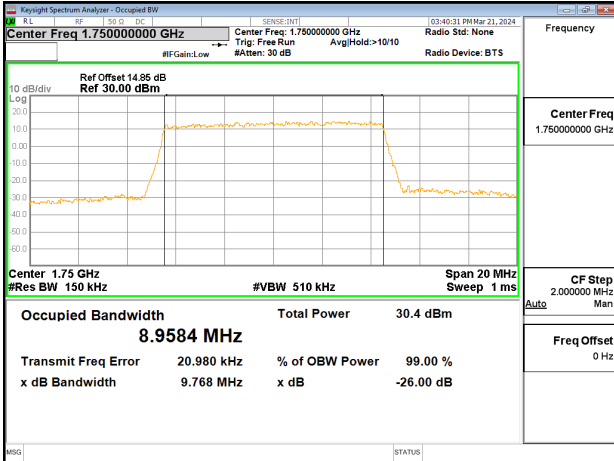
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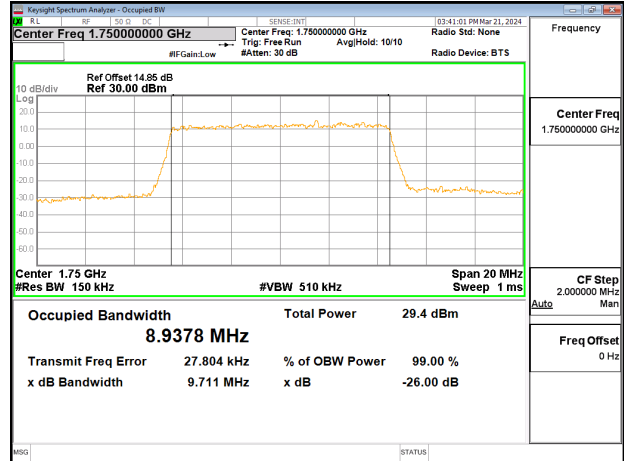
Band4_10MHz_16QAM_RB50_0_CH20175



Band4_10MHz_QPSK_RB50_0_CH20350



Band4_10MHz_16QAM_RB50_0_CH20350

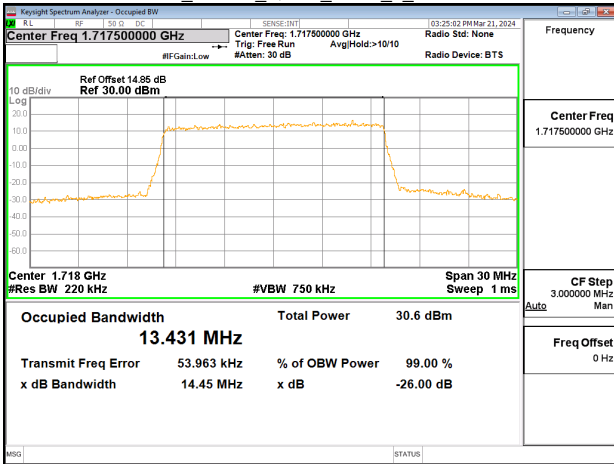


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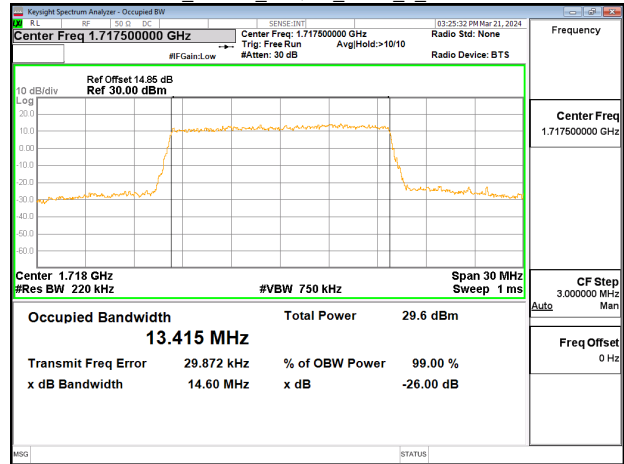
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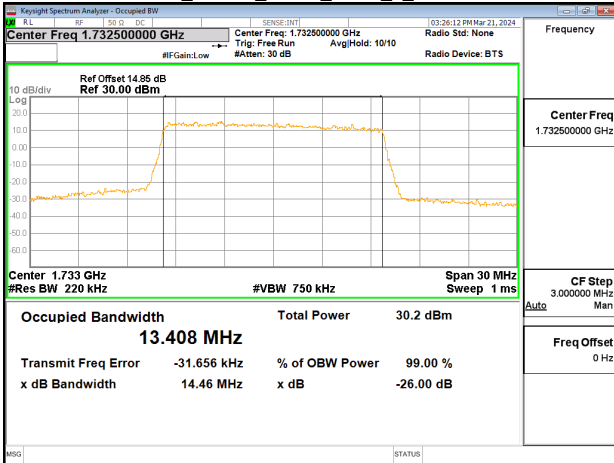
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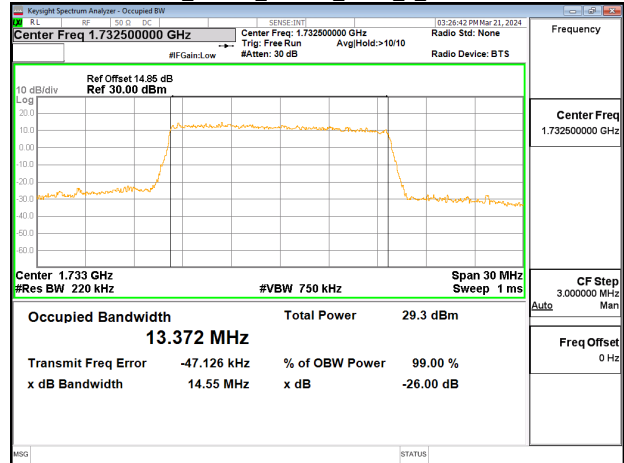
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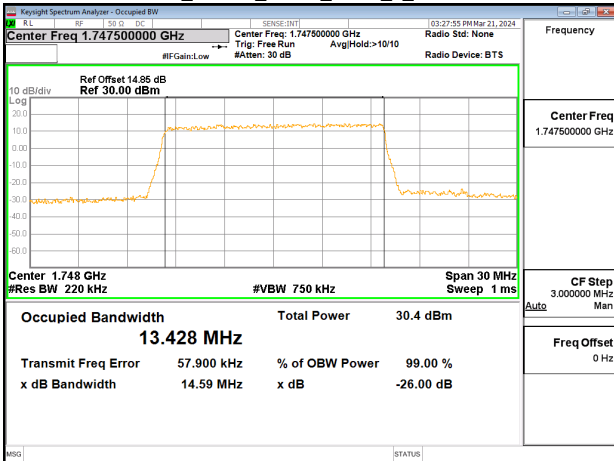
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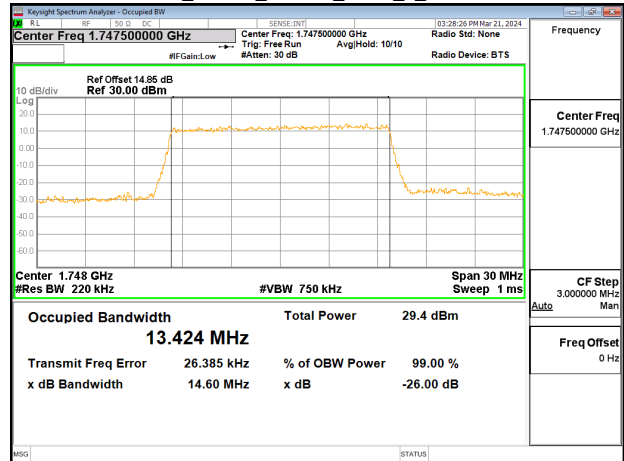
Band4_15MHz_16QAM_RB75_0_CH20175



Band4_15MHz_QPSK_RB75_0_CH20325



Band4_15MHz_16QAM_RB75_0_CH20325

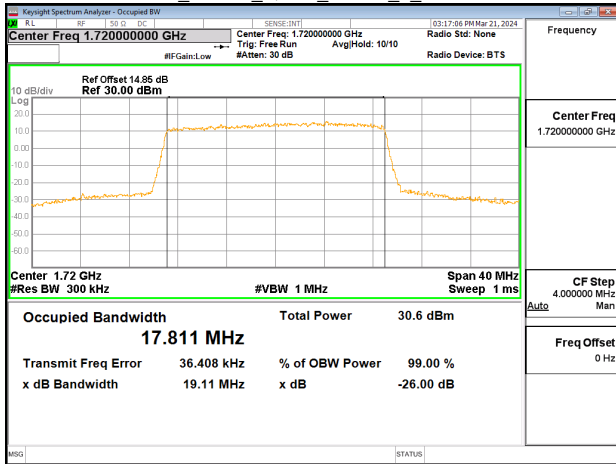


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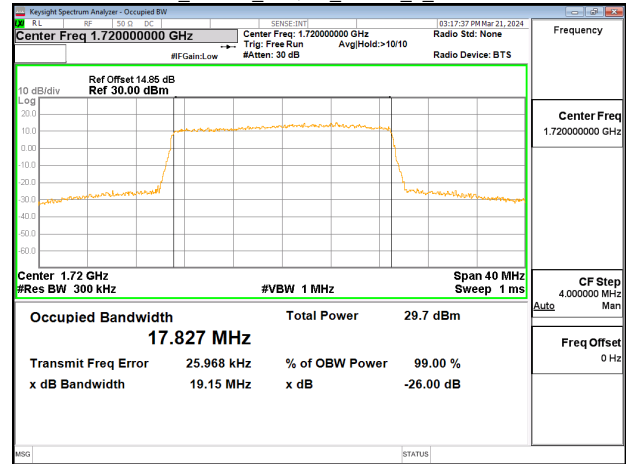
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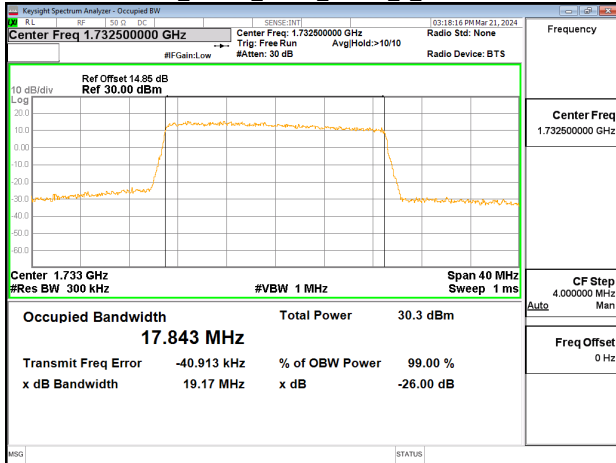
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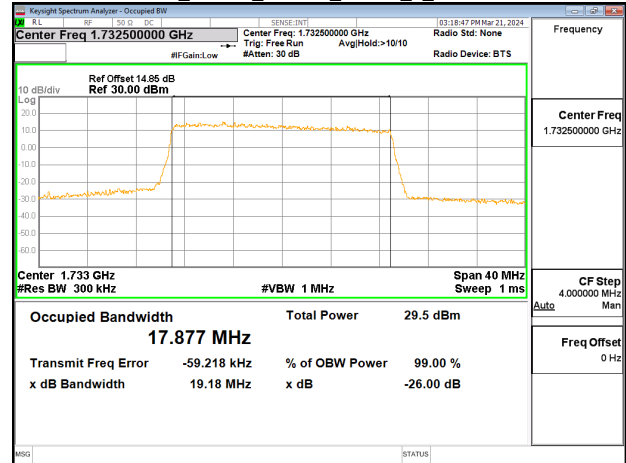
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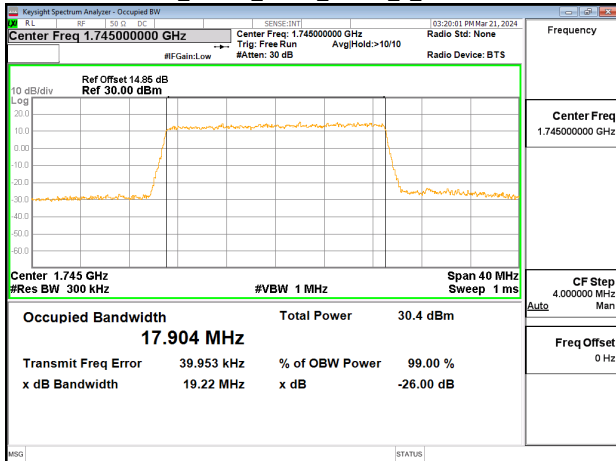
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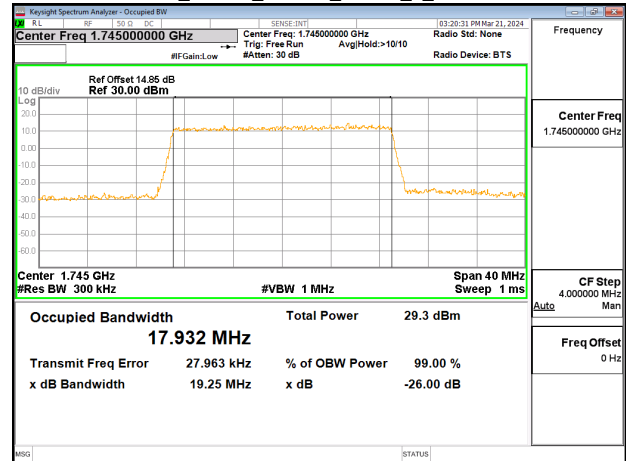
Band4_20MHz_16QAM_RB100_0_CH20175



Band4_20MHz_QPSK_RB100_0_CH20300



Band4_20MHz_16QAM_RB100_0_CH20300

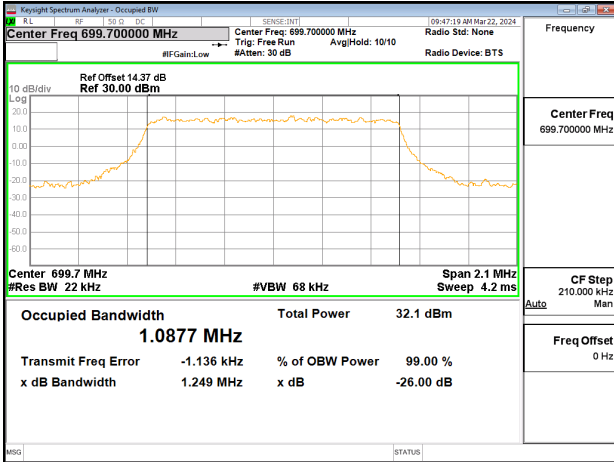


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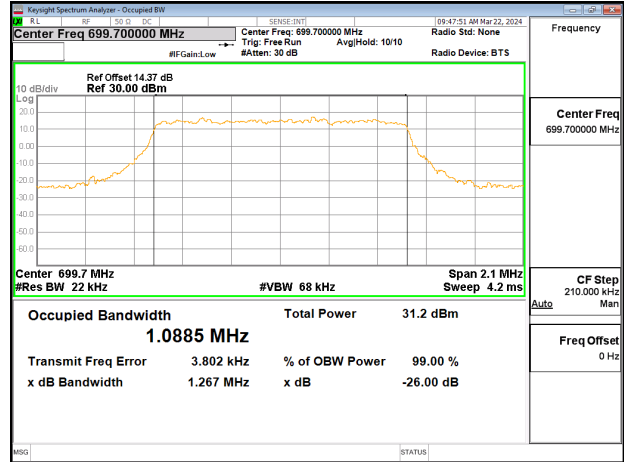
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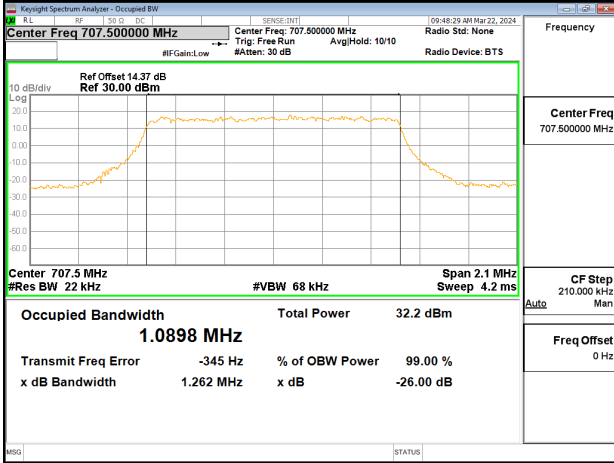
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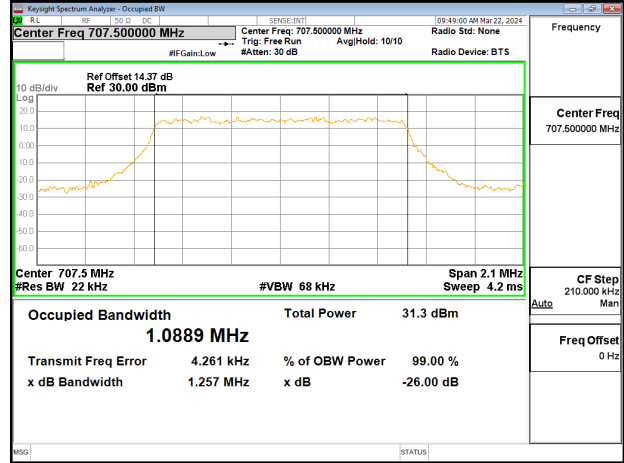
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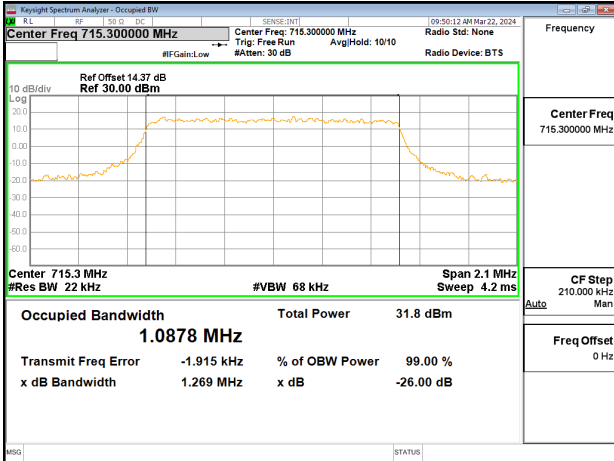
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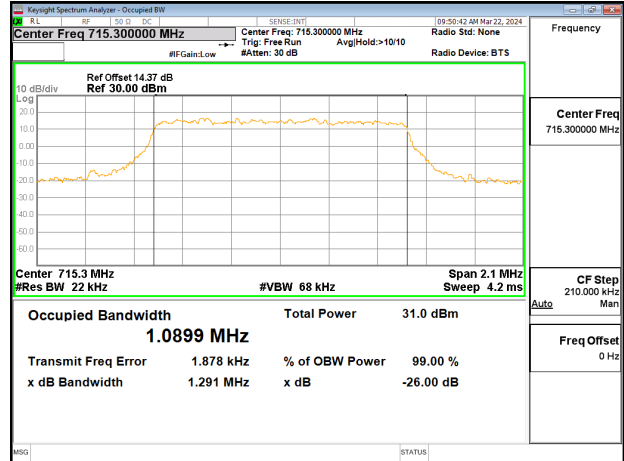
Band12_1.4MHz_16QAM_RB6_0_CH23095



Band12_1.4MHz_QPSK_RB6_0_CH23173



Band12_1.4MHz_16QAM_RB6_0_CH23173

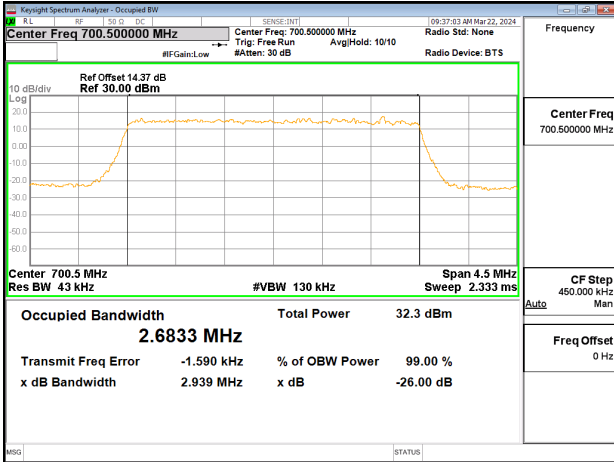


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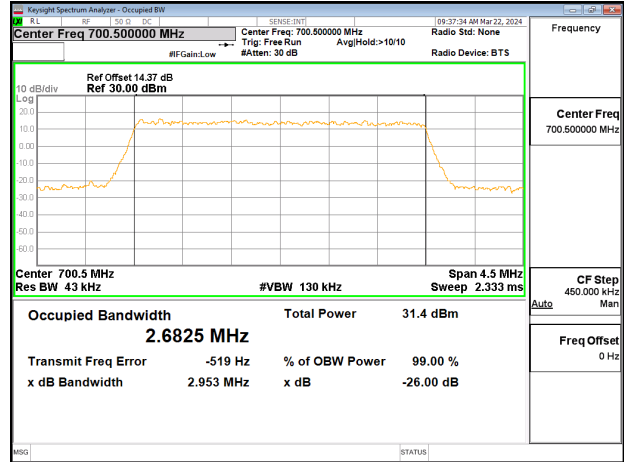
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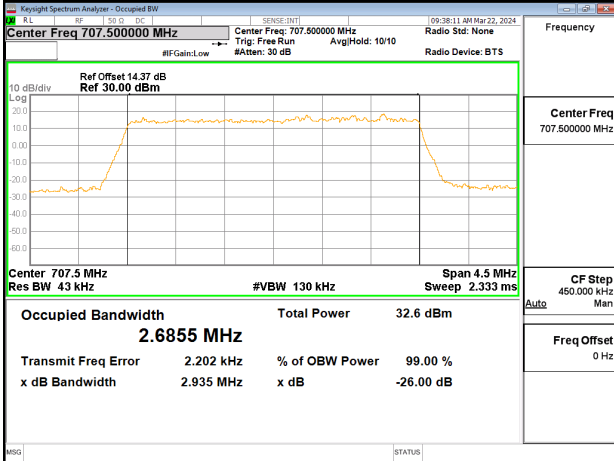
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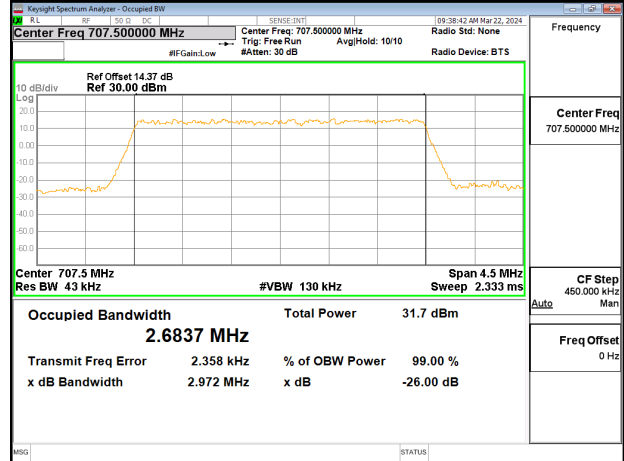
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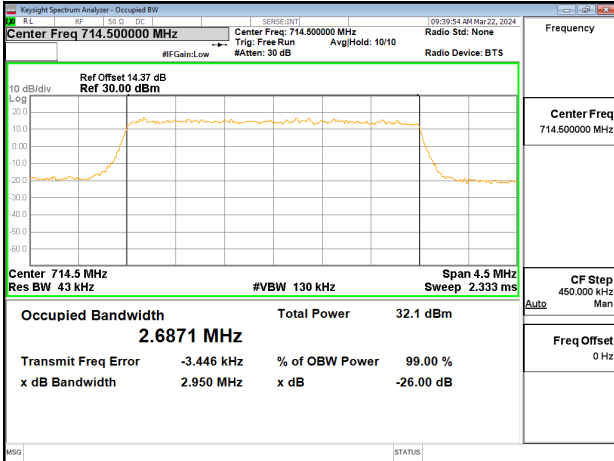
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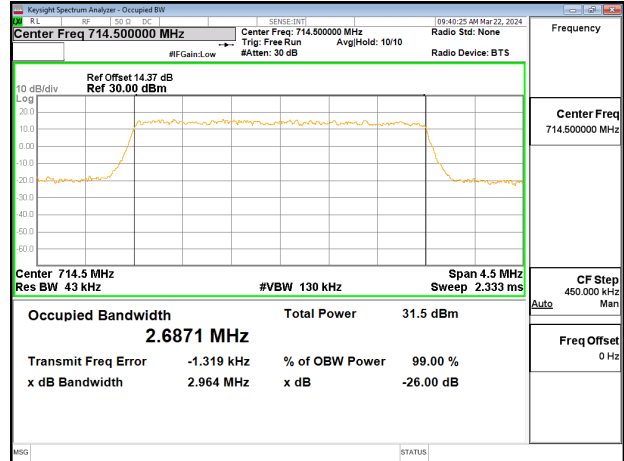
Band12_3MHz_16QAM_RB15_0_CH23095



Band12_3MHz_QPSK_RB15_0_CH23165



Band12_3MHz_16QAM_RB15_0_CH23165

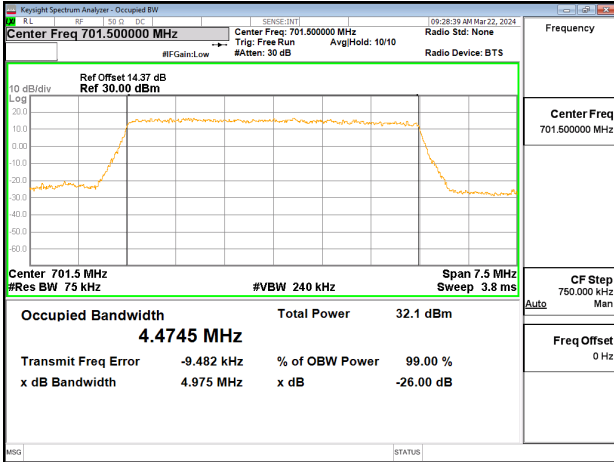


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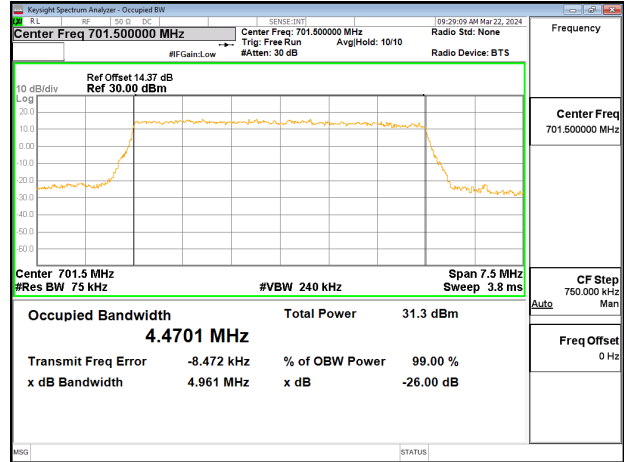
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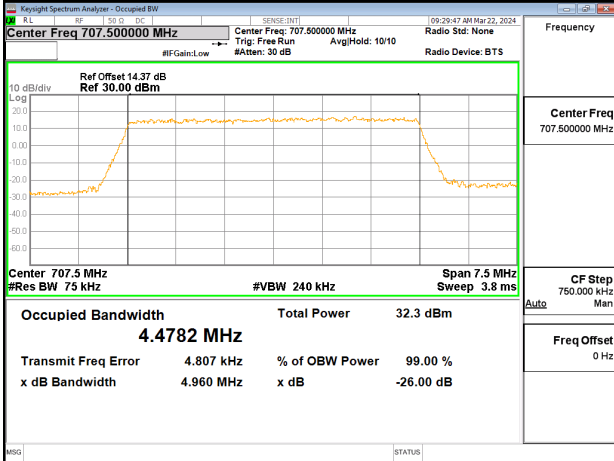
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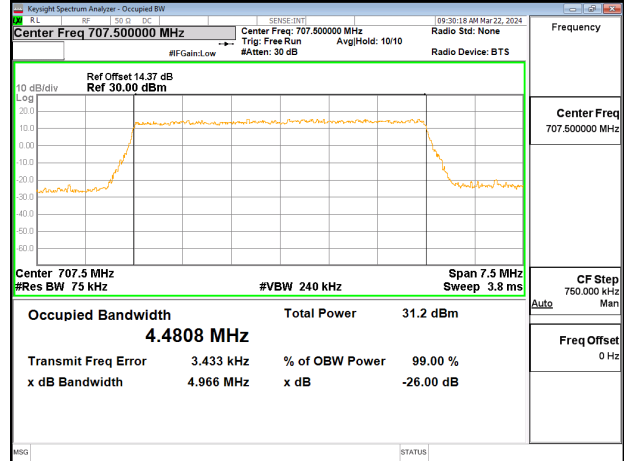
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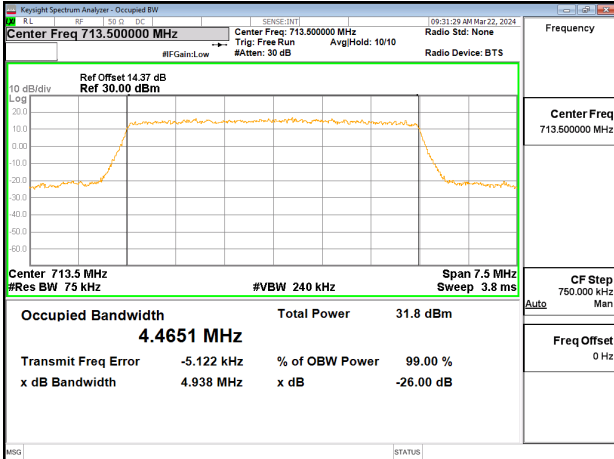
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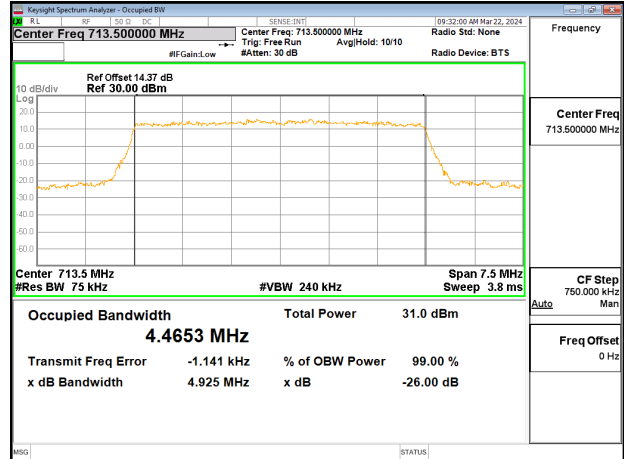
Band12_5MHz_16QAM_RB25_0_CH23095



Band12_5MHz_QPSK_RB25_0_CH23155



Band12_5MHz_16QAM_RB25_0_CH23155

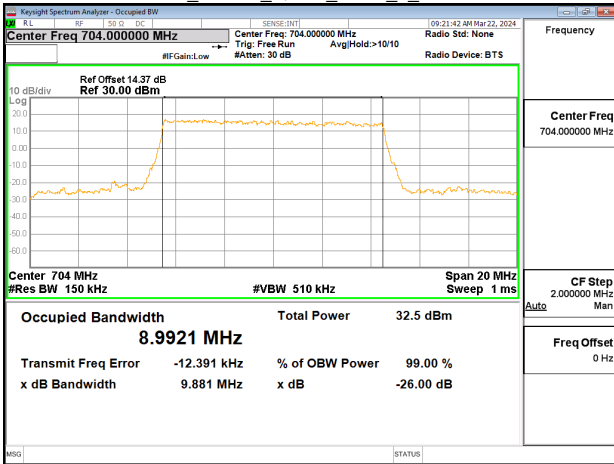


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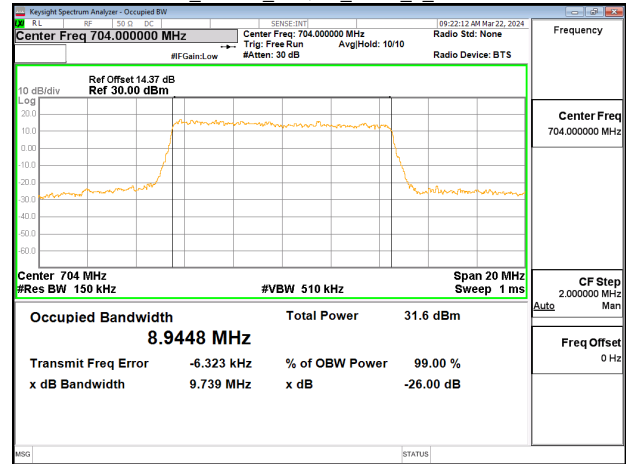
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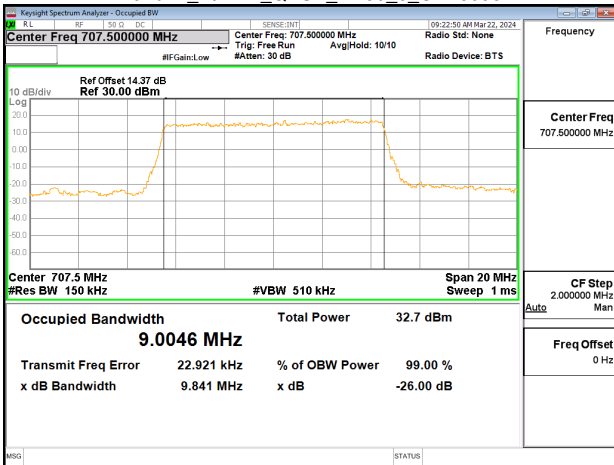
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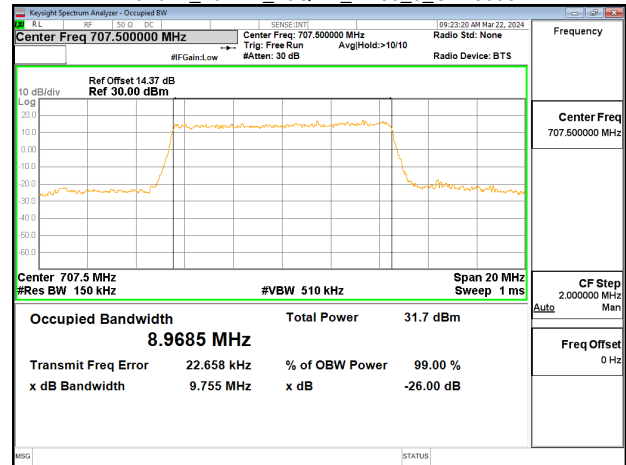
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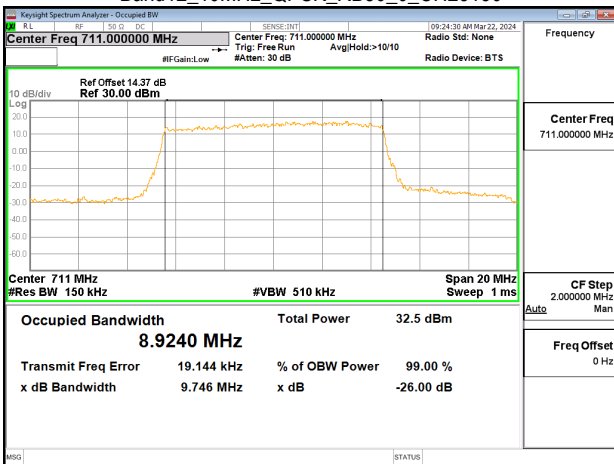
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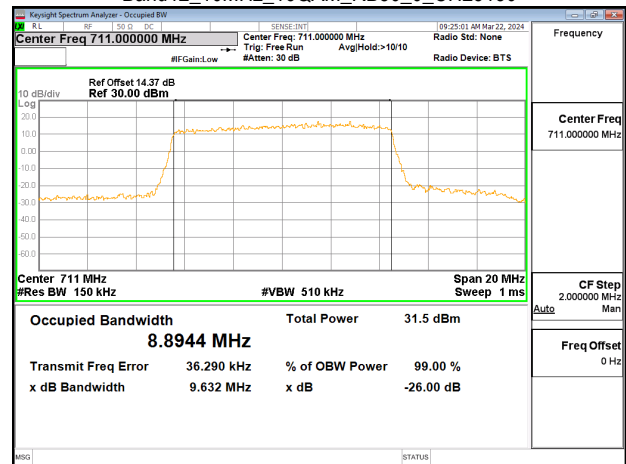
Band12_10MHz_16QAM_RB50_0_CH23095



Band12_10MHz_QPSK_RB50_0_CH23130



Band12_10MHz_16QAM_RB50_0_CH23130



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