

Appendix A. Test Result of RF Output Power

Mode 1: LTE B48(42)

MIMO 1

LTE Band 48/42 Maximum Average Power (dBm)									
BW [MHz]	RB Size	RB Offset	Mode	55265	55990	56715	EIRP	EIRP	EIRP Limit
				(3552.5 MHz)	(3625.0 MHz)	(3697.5 MHz)	(dBm)	(W)	(W/10MHz)
5	1	0	QPSK	21.07	21.25	21.6	21.33	0.136	0.2
	1	12		21.04	21.24	21.56			
	1	24		21.1	21.24	21.63			
	12	0		20.53	20.63	20.98			
	12	6		20.58	20.71	21			
	12	13		20.56	20.7	20.99			
	25	0		20.6	20.74	21.01			
	1	0	16QAM	20.79	20.91	21.2	20.94	0.124	0.2
	1	12		20.78	20.86	21.24			
	1	24		20.75	20.85	21.2			
	12	0		19.64	19.68	20.03			
	12	6		19.61	19.72	20.06			
	12	13		19.57	19.7	20.03			
	25	0		19.64	19.7	20.02			
	1	0	64QAM	19.66	19.79	20.07	19.86	0.097	0.2
	1	12		19.62	19.77	20.16			
	1	24		19.58	19.71	20.03			
	12	0		18.57	18.68	18.96			
	12	6		18.61	18.68	19.01			
	12	13		18.59	18.71	19.03			
	25	0		18.63	18.76	19.05			
	1	0	256QAM	16.31	16.45	16.57	16.53	0.045	0.2
	1	12		16.32	16.65	16.62			
	1	24		16.26	16.58	16.58			
	12	0		16.22	16.43	16.77			
	12	6		16.25	16.49	16.83			
	12	13		16.24	16.48	16.81			
	25	0		16.16	16.38	16.76			

Note:

1. EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - Backoff Power Factor (dB)

2. EIRP (W) = $(10^{(\text{Power(dBm)}/10)}) \times 10^{-3}$

LTE Band 48/42 Maximum Average Power (dBm)									
BW [MHz]	RB Size	RB Offset	Mode	55290 (3555.0 MHz)	55990 (3625.0 MHz)	56690 (3695.0 MHz)	EIRP (dBm)	EIRP (W)	EIRP Limit (W/10MHz)
10	1	0	QPSK	21.12	21.28	21.54	21.24	0.133	0.2
	1	25		21.05	21.15	21.5			
	1	49		21.03	21.21	21.54			
	25	0		20.58	20.71	20.97			
	25	12		20.59	20.74	21			
	25	25		20.53	20.72	20.98			
	50	0		20.58	20.69	21			
	1	0	16QAM	20.86	20.94	21.19	20.89	0.123	0.2
	1	25		20.81	20.89	21.15			
	1	49		20.73	20.82	21.12			
	25	0		19.64	19.73	19.98			
	25	12		19.6	19.72	20.01			
	25	25		19.54	19.68	19.98			
	50	0		19.59	19.71	19.99			
	1	0	64QAM	19.67	19.74	20.01	19.71	0.094	0.2
	1	25		19.65	19.73	19.98			
	1	49		19.5	19.68	19.95			
	25	0		18.64	18.72	19.03			
	25	12		18.66	18.72	19.05			
	25	25		18.6	18.69	19			
	50	0		18.58	18.68	18.98			
	1	0	256QAM	16.39	16.44	16.67	16.56	0.045	0.2
	1	25		16.36	16.56	16.53			
	1	49		16.31	16.67	16.48			
	25	0		16.13	16.41	16.83			
	25	12		16.25	16.52	16.78			
	25	25		16.14	16.56	16.84			
	50	0		16.12	16.44	16.86			

Note:

1. EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - Backoff Power Factor (dB)

2. EIRP (W) = $(10^{(\text{Power(dBm)}/10)}) \times 10^{-3}$

LTE Band 48/42 Maximum Average Power (dBm)									
BW [MHz]	RB Size	RB Offset	Mode	55315 (3557.5 MHz)	55990 (3625.0 MHz)	56665 (3692.5 MHz)	EIRP (dBm)	EIRP (W)	EIRP Limit (W/10MHz)
15	1	0	QPSK	21.15	21.31	21.55	21.25	0.133	0.2
	1	36		21.1	21.2	21.52			
	1	74		21	21.22	21.55			
	36	0		20.57	20.67	20.96			
	36	18		20.51	20.66	20.91			
	36	37		20.43	20.62	20.88			
	75	0		20.54	20.67	20.92			
	1	0	16QAM	20.86	20.92	21.17	20.87	0.122	0.2
	1	36		20.8	20.88	21.14			
	1	74		20.61	20.83	21.06			
	36	0		19.55	19.65	19.93			
	36	18		19.51	19.64	19.87			
	36	37		19.4	19.6	19.89			
	75	0		19.56	19.65	19.9			
	1	0	64QAM	19.68	19.79	20.01	19.71	0.094	0.2
	1	36		19.6	19.71	19.94			
	1	74		19.45	19.66	19.9			
	36	0		18.56	18.66	18.92			
	36	18		18.51	18.63	18.84			
	36	37		18.45	18.62	18.87			
	75	0		18.52	18.59	18.9			
	1	0	256QAM	16.31	16.66	16.51	16.55	0.045	0.2
	1	36		16.34	16.74	16.67			
	1	74		16.26	16.54	16.64			
	36	0		16.29	16.46	16.85			
	36	18		16.27	16.48	16.79			
	36	37		16.18	16.57	16.78			
	75	0		16.22	16.43	16.72			

Note:

1. EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - Backoff Power Factor (dB)

2. EIRP (W) = $(10^{(\text{Power(dBm)}/10)}) \times 10^{-3}$

LTE Band 48/42 Maximum Average Power (dBm)									
BW [MHz]	RB Size	RB Offset	Mode	55340 (3560.0 MHz)	55990 (3625.0 MHz)	56640 (3690.0 MHz)	EIRP (dBm)	EIRP (W)	EIRP Limit (W/10MHz)
20	1	0	QPSK	21.14	21.2	21.48	21.18	0.131	0.2
	1	50		20.98	21.17	21.43			
	1	99		20.9	21.16	21.46			
	50	0		20.62	20.73	20.94			
	50	25		20.56	20.7	20.93			
	50	50		20.46	20.65	20.94			
	100	0		20.53	20.65	20.97			
	1	0	16QAM	20.91	20.93	21.12	20.83	0.121	0.2
	1	50		20.74	20.86	21.13			
	1	99		20.59	20.76	21.06			
	50	0		19.64	19.76	20			
	50	25		19.56	19.73	19.97			
	50	50		19.45	19.65	19.97			
	100	0		19.54	19.68	19.93			
	1	0	64QAM	19.72	19.72	19.99	19.69	0.093	0.2
	1	50		19.56	19.7	19.95			
	1	99		19.39	19.54	19.89			
	50	0		18.63	18.69	18.94			
	50	25		18.51	18.65	18.92			
	50	50		18.45	18.59	18.92			
	100	0		18.54	18.63	18.93			
	1	0	256QAM	16.35	16.36	16.49	17.46	0.056	0.2
	1	50		16.39	16.64	16.58			
	1	99		16.16	16.53	16.67			
	50	0		16.51	16.44	16.69			
	50	25		16.44	16.39	17.76			
	50	50		16.43	16.58	16.71			
	100	0		16.38	16.46	16.78			

Note:

1. EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - Backoff Power Factor (dB)

2. EIRP (W) = $(10^{(\text{Power(dBm)}/10)}) \times 10^{-3}$

MIMO 2

LTE Band 48/42 Maximum Average Power (dBm)									
BW [MHz]	RB Size	RB Offset	Mode	55265 (3552.5 MHz)	55990 (3625.0 MHz)	56715 (3697.5 MHz)	EIRP (dBm)	EIRP (W)	EIRP Limit (W/10MHz)
5	1	0	QPSK	22.42	22.6	22.81	21.71	0.148	0.2
	1	12		22.4	22.57	22.75			
	1	24		22.41	22.57	22.8			
	12	0		21.89	22.04	22.18			
	12	6		21.92	22.03	22.18			
	12	13		21.89	22.06	22.2			
	25	0		21.94	22.05	22.2			
	1	0	16QAM	22.13	22.29	22.43	21.33	0.136	0.2
	1	12		22.13	22.25	22.41			
	1	24		22.08	22.22	22.38			
	12	0		20.96	21.07	21.24			
	12	6		20.96	21.07	21.24			
	12	13		20.95	21.09	21.23			
	25	0		20.99	21.08	21.28			
	1	0	64QAM	20.97	21.17	21.24	20.25	0.106	0.2
	1	12		20.95	21.19	21.35			
	1	24		20.93	21.1	21.22			
	12	0		19.92	20.07	20.2			
	12	6		19.98	20.06	20.21			
	12	13		19.92	20.06	20.22			
	25	0		19.99	20.11	20.24			
	1	0	256QAM	17.85	18.07	18.3	17.38	0.055	0.2
	1	12		17.84	18.12	18.39			
	1	24		17.83	18.1	18.37			
	12	0		17.93	18.18	18.41			
	12	6		17.98	18.21	18.45			
	12	13		17.97	18.24	18.48			
	25	0		17.88	18.11	18.34			

Note:

1. EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - Backoff Power Factor (dB)

2. EIRP (W) = $(10^{(\text{Power(dBm)}/10)}) \times 10^{-3}$

LTE Band 48/42 Maximum Average Power (dBm)									
BW [MHz]	RB Size	RB Offset	Mode	55290 (3555.0 MHz)	55990 (3625.0 MHz)	56690 (3695.0 MHz)	EIRP (dBm)	EIRP (W)	EIRP Limit (W/10MHz)
10	1	0	QPSK	22.47	22.65	22.77	21.67	0.147	0.2
	1	25		22.4	22.52	22.71			
	1	49		22.35	22.56	22.74			
	25	0		21.92	22.12	22.18			
	25	12		21.98	22.08	22.2			
	25	25		21.88	22.04	22.16			
	50	0		21.94	22.09	22.2			
	1	0	16QAM	22.21	22.32	22.44	21.34	0.136	0.2
	1	25		22.16	22.28	22.38			
	1	49		22.08	22.22	22.36			
	25	0		20.95	21.11	21.24			
	25	12		20.96	21.08	21.18			
	25	25		20.88	21.08	21.19			
	50	0		20.95	21.09	21.22			
	1	0	64QAM	21.01	21.15	21.24	20.14	0.103	0.2
	1	25		20.97	21.11	21.2			
	1	49		20.85	21.03	21.17			
	25	0		20	20.12	20.22			
	25	12		20.02	20.13	20.23			
	25	25		19.92	20.1	20.22			
	50	0		19.92	20.05	20.17			
	1	0	256QAM	17.81	18.03	18.23	17.32	0.054	0.2
	1	25		17.79	18.06	18.26			
	1	49		17.8	18.05	18.27			
	25	0		17.86	18.16	18.32			
	25	12		17.84	18.19	18.38			
	25	25		17.82	18.21	18.42			
	50	0		17.89	18.11	18.41			

Note:

1. EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - Backoff Power Factor (dB)

2. EIRP (W) = $(10^{(\text{Power(dBm)}/10)}) \times 10^{-3}$

LTE Band 48/42 Maximum Average Power (dBm)									
BW [MHz]	RB Size	RB Offset	Mode	55315 (3557.5 MHz)	55990 (3625.0 MHz)	56665 (3692.5 MHz)	EIRP (dBm)	EIRP (W)	EIRP Limit (W/10MHz)
15	1	0	QPSK	22.51	22.68	22.8	21.7	0.148	0.2
	1	36		22.44	22.59	22.78			
	1	74		22.36	22.58	22.78			
	36	0		21.92	22.06	22.18			
	36	18		21.89	22.07	22.13			
	36	37		21.78	22.02	22.1			
	75	0		21.91	22.06	22.15			
	1	0	16QAM	22.22	22.29	22.44	21.34	0.136	0.2
	1	36		22.16	22.24	22.34			
	1	74		22.02	22.22	22.31			
	36	0		20.89	21.03	21.19			
	36	18		20.83	21.03	21.12			
	36	37		20.79	20.98	21.12			
	75	0		20.89	21.04	21.16			
	1	0	64QAM	21.08	21.16	21.24	20.14	0.103	0.2
	1	36		20.96	21.09	21.16			
	1	74		20.82	21.03	21.13			
	36	0		19.96	20.06	20.16			
	36	18		19.88	20.04	20.14			
	36	37		19.81	19.99	20.12			
	75	0		19.9	20	20.11			
	1	0	256QAM	17.83	18.08	18.26	17.36	0.054	0.2
	1	36		17.86	18.11	18.28			
	1	74		17.87	18.14	18.27			
	36	0		17.91	18.2	18.33			
	36	18		17.9	18.19	18.37			
	36	37		17.93	18.23	18.45			
	75	0		17.89	18.25	18.46			

Note:

1. EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - Backoff Power Factor (dB)

2. EIRP (W) = $(10^{(\text{Power(dBm)}/10)}) \cdot 10^{-3}$

LTE Band 48/42 Maximum Average Power (dBm)									
BW [MHz]	RB Size	RB Offset	Mode	55340 (3560.0 MHz)	55990 (3625.0 MHz)	56640 (3690.0 MHz)	EIRP (dBm)	EIRP (W)	EIRP Limit (W/10MHz)
20	1	0	QPSK	22.5	22.6	22.76	21.66	0.147	0.2
	1	50		22.28	22.54	22.66			
	1	99		22.29	22.51	22.71			
	50	0		22.03	22.13	22.25			
	50	25		21.91	22.09	22.18			
	50	50		21.86	22.04	22.17			
	100	0		21.91	22.05	22.18			
	1	0	16QAM	22.23	22.32	22.43	21.33	0.136	0.2
	1	50		22.11	22.25	22.37			
	1	99		21.92	22.09	22.3			
	50	0		21.02	21.12	21.22			
	50	25		20.91	21.07	21.21			
	50	50		20.87	21.07	21.21			
	100	0		20.92	21.05	21.18			
	1	0	64QAM	21.08	21.14	21.26	20.16	0.104	0.2
	1	50		20.91	21.08	21.18			
	1	99		20.77	20.93	21.09			
	50	0		19.96	20.09	20.22			
	50	25		19.91	20.06	20.19			
	50	50		19.79	19.97	20.14			
	100	0		19.89	20.02	20.17			
	1	0	256QAM	17.81	18.07	18.35	17.37	0.055	0.2
	1	50		17.83	18.11	18.37			
	1	99		17.84	18.13	18.36			
	50	0		17.97	18.23	18.42			
	50	25		17.99	18.25	18.41			
	50	50		17.96	18.28	18.47			
	100	0		17.95	18.24	18.39			

Note:

1. EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - Backoff Power Factor (dB)

2. EIRP (W) = $(10^{(\text{Power(dBm)}/10)}) \times 10^{-3}$

Mode 2: 5G NR n48**MIMO 1**

5GNR n48 Maximum Average Power (dBm)											
BW [MHz]	SCS (kHz)	OFDM	Mode	RB Size	RB Offset	637000	641666	646332	EIRP	EIRP	EIRP Limit
						(3555 kHz)	(3624.99 kHz)	(3694.98 kHz)	(dBm)	(W)	(W/10MHz)
10	30	DFT-s- OFDM	pi/2 BPSK	1	1	20.62	20.54	21.19	21.02	0.126	0.2
				1	12	20.68	20.62	21.3			
				1	22	20.71	20.37	21.32			
				12	0	20.25	20.21	20.84			
				12	6	20.52	20.35	21.16			
				12	12	20.34	20.22	20.94			
				24	0	20.31	20.23	20.91			
			QPSK	1	1	20.39	20.41	21.23	20.95	0.124	0.2
				1	12	20.45	20.48	21.25			
				1	22	20.44	20.4	21.2			
				12	0	19.83	19.71	20.36			
				12	6	20.55	20.42	21.1			
				12	12	19.87	19.77	20.42			
				24	0	19.83	19.73	20.43			
			16QAM	1	1	19.87	19.23	20.38	20.08	0.102	0.2
			64QAM	1	1	17.94	18.17	18.68	18.38	0.069	0.2
			256QAM	1	1	16.12	15.54	16.96	16.66	0.046	0.2
		CP- OFDM	QPSK	1	1	19.08	19.09	20.26	19.96	0.099	0.2

Note:

1. EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - Backoff Power Factor (dB)

2. EIRP (W)= $(10^{(\text{Power(dBm)}/10)}) \cdot 10^{-3}$

5GNR n48 Maximum Average Power (dBm)											
BW [MHz]	SCS (kHz)	OFDM	Mode	RB Size	RB Offset	637168	641666	646166	EIRP (dBm)	EIRP (W)	EIRP Limit (W/10MHz)
						(3557.52 MHz)	(3624.99 MHz)	(3692.49 MHz)			
15	30	DFT-s- OFDM	pi/2 BPSK	1	1	20.61	20.53	21.17	21.01	0.126	0.2
				1	18	20.67	20.61	21.31			
				1	36	20.7	20.42	21.26			
				18	0	20.16	20.19	20.75			
				18	9	20.48	20.4	21.14			
				18	18	20.37	20.23	20.98			
				36	0	20.25	20.24	20.83			
			QPSK	1	1	20.36	20.32	21.21	20.93	0.124	0.2
				1	18	20.4	20.52	21.17			
				1	36	20.39	20.39	21.23			
				18	0	19.78	19.62	20.36			
				18	9	20.57	20.33	21.1			
				18	18	19.9	19.76	20.43			
				36	0	19.85	19.67	20.48			
			16QAM	1	1	19.83	19.25	20.43	20.13	0.103	0.2
			64QAM	1	1	17.92	18.08	18.7	18.4	0.069	0.2
			256QAM	1	1	16.11	15.55	16.99	16.69	0.047	0.2
		CP- OFDM	QPSK	1	1	19.07	19.05	20.31	20.01	0.1	0.2

Note:

1. EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - Backoff Power Factor (dB)

2. EIRP (W)= $(10^{(\text{Power(dBm)}/10)}) \cdot 10^{-3}$

5GNR n48 Maximum Average Power (dBm)											
BW [MHz]	SCS (kHz)	OFDM	Mode	RB Size	RB Offset	637334	641666	646000	EIRP (dBm)	EIRP (W)	EIRP Limit (W/10MHz)
						(3560.01 MHz)	(3624.99 MHz)	(3690 MHz)			
20	30	DFT-s- OFDM	pi/2 BPSK	1	1	20.54	20.4	21.19	20.99	0.126	0.2
				1	26	20.56	20.51	21.24			
				1	49	20.63	20.37	21.29			
				25	0	20.22	20.2	20.76			
				25	13	20.45	20.31	21.07			
				25	26	20.3	20.15	20.84			
				50	0	20.29	20.18	20.76			
			QPSK	1	1	20.35	20.31	21.14	20.95	0.124	0.2
				1	26	20.3	20.39	21.25			
				1	49	20.31	20.34	21.19			
				25	0	19.82	19.63	20.35			
				25	13	20.5	20.41	21.08			
				25	26	19.75	19.68	20.28			
				50	0	19.78	19.58	20.29			
			16QAM	1	1	19.84	19.11	20.23	19.93	0.098	0.2
			64QAM	1	1	17.88	18.11	18.67	18.37	0.069	0.2
			256QAM	1	1	16.06	15.49	16.93	16.63	0.046	0.2
		CP- OFDM	QPSK	1	1	18.99	19.02	20.19	19.89	0.097	0.2

Note:

1. EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - Backoff Power Factor (dB)
2. EIRP (W)= $(10^{(\text{Power(dBm)}/10)}) \cdot 10^{-3}$

5GNR n48 Maximum Average Power (dBm)											
BW [MHz]	SCS (kHz)	OFDM	Mode	RB Size	RB Offset	637668	641666	645666	EIRP (dBm)	EIRP (W)	EIRP Limit (W/10MHz)
						(3565.02 MHz)	(3624.99 MHz)	(3684.99 MHz)			
30	30	DFT-s-OFDM	pi/2 BPSK	1	1	20.71	20.51	20.83	20.86	0.122	0.2
				1	39	20.66	20.55	21.11			
				1	76	20.77	20.45	21.16			
				36	0	20.3	20.27	20.53			
				36	21	20.59	20.34	20.81			
				36	42	20.38	20.1	20.64			
				75	0	20.5	20.15	20.58			
			QPSK	1	1	20.65	20.62	20.95	20.96	0.125	0.2
				1	39	20.83	20.56	21.14			
				1	76	20.74	20.72	21.26			
				36	0	19.8	19.71	19.98			
				36	21	20.57	20.48	20.91			
				36	42	19.91	19.69	20.3			
				75	0	19.99	19.77	20.14			
			16QAM	1	1	19.64	19.78	19.82	19.52	0.09	0.2
			64QAM	1	1	18.45	18.23	18.68	18.38	0.069	0.2
			256QAM	1	1	16.14	16.12	16.48	16.18	0.041	0.2
		CP-OFDM	QPSK	1	1	19.48	19.12	19.65	19.35	0.086	0.2

Note:

1. EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - Backoff Power Factor (dB)

2. EIRP (W)= $(10^{(\text{Power(dBm)}/10)}) \cdot 10^{-3}$

5GNR n48 Maximum Average Power (dBm)											
BW [MHz]	SCS (kHz)	OFDM	Mode	RB Size	RB Offset	638000	641666	645332	EIRP (dBm)	EIRP (W)	EIRP Limit (W/10MHz)
						(3570 kHz)	(3624.99 kHz)	(3679.98 kHz)			
40	30	DFT-s- OFDM	pi/2 BPSK	1	1	20.61	20.52	20.73	20.84	0.121	0.2
				1	53	20.56	20.55	20.81			
				1	104	20.69	20.48	21.14			
				50	0	20.33	20.18	20.48			
				50	28	20.6	20.36	20.86			
				50	56	20.43	20.14	20.77			
				100	0	20.42	20.19	20.63			
			QPSK	1	1	20.68	20.56	20.82	20.99	0.126	0.2
				1	53	20.76	20.51	21.02			
				1	104	20.65	20.63	21.29			
				50	0	19.84	19.73	20.01			
				50	28	20.61	20.39	20.9			
				50	56	19.93	19.67	20.25			
				100	0	19.91	19.72	20.09			
			16QAM	1	1	19.65	19.78	19.72	19.48	0.089	0.2
			64QAM	1	1	18.44	18.28	18.61	18.31	0.068	0.2
			256QAM	1	1	16.19	16.13	16.44	16.14	0.041	0.2
		CP- OFDM	QPSK	1	1	19.49	19.16	19.61	19.31	0.085	0.2

Note:

1. EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - Backoff Power Factor (dB)

2. EIRP (W) = $(10^{(\text{Power(dBm)}/10)}) \cdot 10^{-3}$

MIMO 2

5G NR n48 Maximum Average Power (dBm)											
BW [MHz]	SCS (kHz)	OFDM	Mode	RB Size	RB Offset	637000	641666	646332	EIRP	EIRP	EIRP Limit
						(3555 kHz)	(3624.99 kHz)	(3694.98 kHz)	(dBm)	(W)	(W/10MHz)
10	30	DFT-s-OFDM	pi/2 BPSK	1	1	22.35	22.29	22.44	21.41	0.138	0.2
				1	12	22.42	22.21	22.51			
				1	22	22.43	22.12	22.49			
				12	0	21.93	21.85	22.03			
				12	6	22.17	22.06	22.32			
				12	12	22.01	21.83	22.11			
				24	0	21.94	21.81	22.09			
			QPSK	1	1	21.96	22.11	22.34	21.31	0.135	0.2
				1	12	22.05	22.21	22.41			
				1	22	22.31	22.12	22.38			
				12	0	21.44	21.31	21.49			
				12	6	22.22	21.97	22.26			
				12	12	21.52	21.28	21.58			
				24	0	21.49	21.29	21.54			
			16QAM	1	1	21.11	21.42	21.51	20.41	0.11	0.2
			64QAM	1	1	20.63	20.83	21.09	19.99	0.1	0.2
			256QAM	1	1	18.81	19.03	18.74	17.93	0.062	0.2
		CP-OFDM	QPSK	1	1	22.01	22.16	22.05	21.06	0.128	0.2

Note:

1. EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - Backoff Power Factor (dB)

2. EIRP (W) = $(10^{(\text{Power(dBm)}/10)}) \cdot 10^{-3}$

5GNR n48 Maximum Average Power (dBm)											
BW [MHz]	SCS (kHz)	OFDM	Mode	RB Size	RB Offset	637168	641666	646166	EIRP (dBm)	EIRP (W)	EIRP Limit (W/10MHz)
						(3557.52 MHz)	(3624.99 MHz)	(3692.49 MHz)			
15	30	DFT-s-OFDM	pi/2 BPSK	1	1	21.67	21.93	21.85	21.27	0.134	0.2
				1	18	21.71	21.94	21.99			
				1	36	21.75	21.92	22.05			
				18	0	21.73	21.74	21.88			
				18	9	21.94	21.96	22.37			
				18	18	21.86	21.67	21.98			
				36	0	21.82	21.73	21.94			
			QPSK	1	1	21.71	22.03	21.93	21.35	0.136	0.2
				1	18	22.04	22.07	22.45			
				1	36	21.95	21.89	22.42			
				18	0	21.26	21.25	21.4			
				18	9	21.97	21.94	22.17			
				18	18	21.35	21.21	21.5			
				36	0	21.31	21.19	21.47			
			16QAM	1	1	21.12	21.42	21.45	20.35	0.108	0.2
			64QAM	1	1	20.77	20.92	20.85	19.82	0.096	0.2
			256QAM	1	1	18.28	18.5	18.49	17.4	0.055	0.2
		CP-OFDM	QPSK	1	1	21.59	21.97	21.91	20.87	0.122	0.2

Note:

1. EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - Backoff Power Factor (dB)

2. EIRP (W)= $(10^{(\text{Power(dBm)}/10)}) \cdot 10^{-3}$

5GNR n48 Maximum Average Power (dBm)											
BW [MHz]	SCS (kHz)	OFDM	Mode	RB Size	RB Offset	637334	641666	646000	EIRP (dBm)	EIRP (W)	EIRP Limit (W/10MHz)
						(3560.01 MHz)	(3624.99 MHz)	(3690 MHz)			
20	30	DFT-s-OFDM	pi/2 BPSK	1	1	21.86	22.06	21.96	21.21	0.132	0.2
				1	26	21.92	21.93	22.25			
				1	49	22.1	21.92	22.31			
				25	0	21.72	21.78	21.86			
				25	13	22.01	21.96	22.17			
				25	26	21.84	21.72	22.08			
				50	0	21.79	21.76	21.97			
			QPSK	1	1	21.77	22.25	22.12	21.27	0.134	0.2
				1	26	21.81	21.91	22.19			
				1	49	21.96	21.84	22.37			
				25	0	21.25	21.27	21.4			
				25	13	21.98	21.97	22.21			
				25	26	21.41	21.21	21.57			
				50	0	21.84	21.23	21.52			
			16QAM	1	1	21.11	21.43	21.26	20.33	0.108	0.2
			64QAM	1	1	20.55	20.89	20.61	19.79	0.095	0.2
			256QAM	1	1	18.45	18.48	18.98	17.88	0.061	0.2
		CP-OFDM	QPSK	1	1	21.51	21.85	21.55	20.75	0.119	0.2

Note:

1. EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - Backoff Power Factor (dB)
2. EIRP (W)= $(10^{(\text{Power(dBm)}/10)}) \cdot 10^{-3}$

5GNR n48 Maximum Average Power (dBm)											
BW [MHz]	SCS (kHz)	OFDM	Mode	RB Size	RB Offset	637668	641666	645666	EIRP (dBm)	EIRP (W)	EIRP Limit (W/10MHz)
						(3565.02 MHz)	(3624.99 MHz)	(3684.99 MHz)			
30	30	DFT-s-OFDM	pi/2 BPSK	1	1	21.86	22.08	21.85	21.09	0.129	0.2
				1	39	22.04	21.87	22.01			
				1	76	22.14	21.63	22.19			
				36	0	21.86	21.84	21.78			
				36	21	22.11	21.95	22.17			
				36	42	22.07	21.75	22.04			
				75	0	21.96	21.78	21.91			
			QPSK	1	1	21.92	22.05	22.01	21.25	0.133	0.2
				1	39	21.84	22.35	22.02			
				1	76	21.94	21.96	22.21			
				36	0	21.33	21.34	21.8			
				36	21	22.12	21.96	22.19			
				36	42	21.56	21.24	22.04			
				75	0	21.47	21.29	21.92			
			16QAM	1	1	21.16	21.61	21.24	20.51	0.112	0.2
			64QAM	1	1	20.81	20.7	20.71	19.71	0.094	0.2
			256QAM	1	1	18.7	18.85	18.31	17.75	0.06	0.2
		CP-OFDM	QPSK	1	1	21.76	21.91	21.56	20.81	0.121	0.2

Note:

1. EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - Backoff Power Factor (dB)
2. EIRP (W) = $(10^{(\text{Power(dBm)}/10)}) \cdot 10^{-3}$

5GNR n48 Maximum Average Power (dBm)											
BW [MHz]	SCS (kHz)	OFDM	Mode	RB Size	RB Offset	638000	641666	645332	EIRP (dBm)	EIRP (W)	EIRP Limit (W/10MHz)
						(3570 kHz)	(3624.99 kHz)	(3679.98 kHz)			
40	30	DFT-s-OFDM	pi/2 BPSK	1	1	21.99	22.12	21.96	21.32	0.136	0.2
				1	53	22.31	21.97	22.02			
				1	104	22.29	21.95	22.42			
				50	0	21.84	21.83	21.78			
				50	28	22.16	21.92	22.13			
				50	56	22.07	21.65	21.98			
				100	0	21.97	21.77	21.87			
			QPSK	1	1	22.07	22.15	22.01	21.31	0.135	0.2
				1	53	22.41	22.21	22.13			
				1	104	22.35	21.91	22.29			
				50	0	21.36	21.35	21.79			
				50	28	22.21	21.95	22.14			
				50	56	21.57	21.17	21.97			
				100	0	21.48	21.32	21.91			
			16QAM	1	1	21.34	21.27	21.15	20.24	0.106	0.2
			64QAM	1	1	20.97	20.86	20.98	19.88	0.097	0.2
			256QAM	1	1	18.94	18.76	18.71	17.84	0.061	0.2
		CP-OFDM	QPSK	1	1	21.73	21.84	21.82	20.74	0.119	0.2

Note:

1. EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - Backoff Power Factor (dB)

2. EIRP (W) = $(10^{(\text{Power(dBm)}/10)}) \times 10^{-3}$

Appendix B. Test Result of Occupied Bandwidth

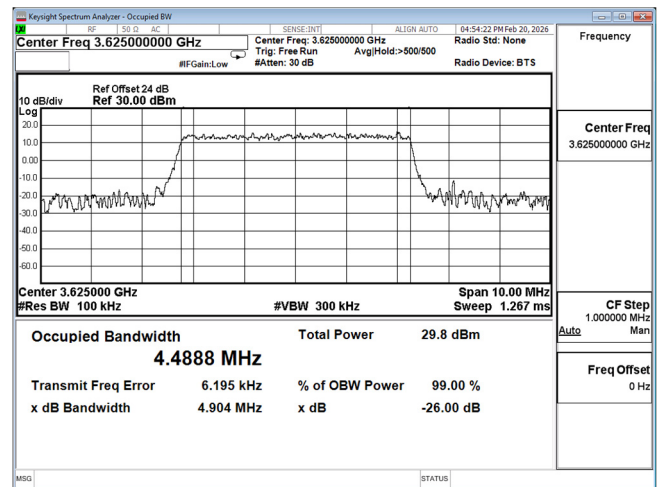
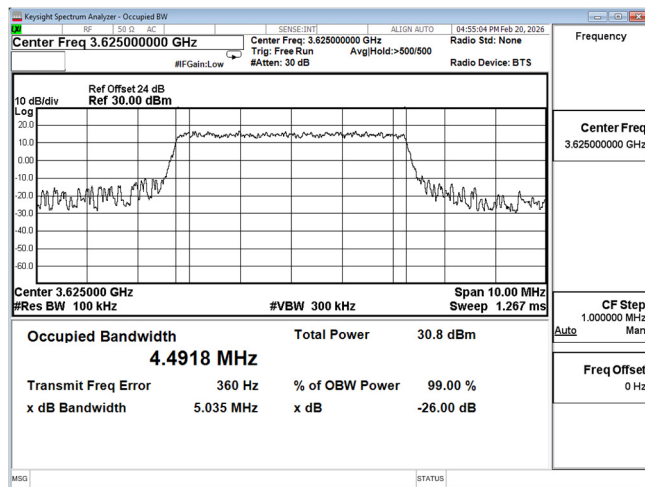
Mode 1: LTE B48(42)

Band	Band width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Measure Level (MHz)	
						99% OBW	26dB BW
48(42)	5 MHz	3625	QPSK	25	0	4.4918	5.035
			16-QAM			4.4888	4.904
			64-QAM			4.5090	4.976
			256-QAM			4.4803	5.328
	10 MHz		QPSK	50		8.9937	9.930
			16-QAM			8.9729	9.815
			64-QAM			8.9934	10.06
			256-QAM			8.9467	9.860
	15 MHz		QPSK	75		13.447	15.98
			16-QAM			13.493	15.02
			64-QAM			13.486	14.57
			256-QAM			13.488	14.63
	20 MHz		QPSK	100		17.962	19.74
			16-QAM			17.939	19.65
			64-QAM			17.935	19.22
			256-QAM			17.953	19.71

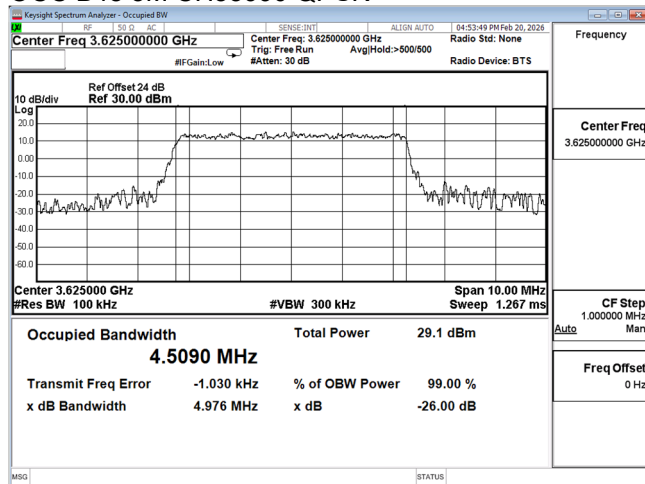
Mode 2: 5G NR n48

Band	Bandwidth	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Measure Level (MHz)	
						99% OBW	26dB BW
n48	10 MHz	3624.99	BPSK	24	0	8.6454	9.444
			QPSK			8.6531	9.424
			16-QAM			8.6597	9.306
			64-QAM			8.6592	9.420
			256-QAM			8.6640	9.450
	15 MHz		BPSK	36		12.946	13.86
			QPSK			12.913	13.88
			16-QAM			12.976	13.93
			64-QAM			12.902	13.86
			256-QAM			12.957	13.80
	20 MHz		BPSK	50		17.955	18.91
			QPSK			17.892	19.02
			16-QAM			17.948	19.07
			64-QAM			17.932	19.05
			256-QAM			17.968	19.02
	30 MHz		BPSK	75		26.985	28.57
			QPSK			26.929	28.67
			16-QAM			27.046	28.60
			64-QAM			26.909	28.58
			256-QAM			26.902	28.60
	40 MHz		BPSK	100		35.981	37.87
			QPSK			35.919	37.91
			16-QAM			36.013	37.89
			64-QAM			35.874	37.94
			256-QAM			35.987	37.84

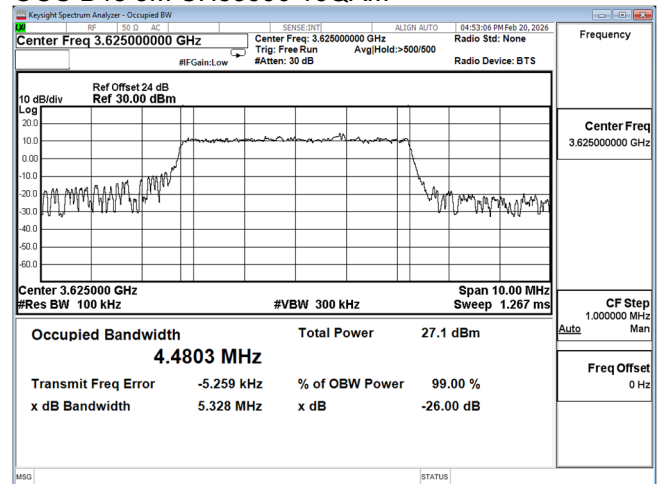
Mode 1: LTE B48(42)



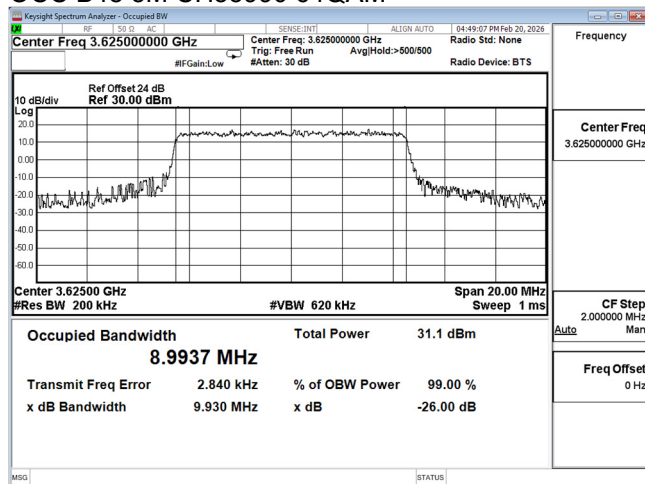
OCC B48 5M CH55990 QPSK



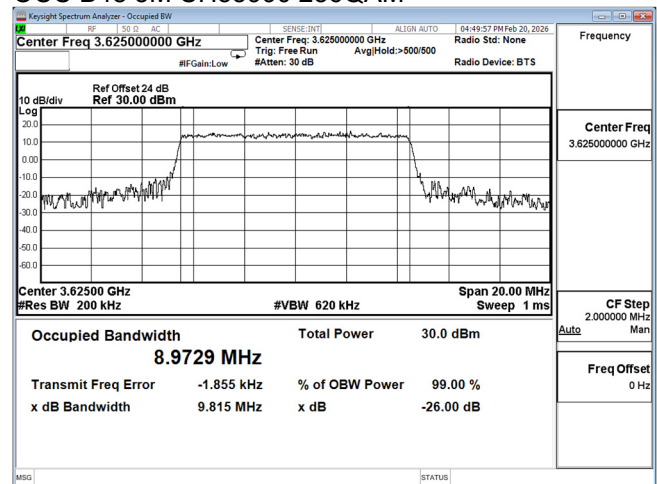
OCC B48 5M CH55990 16QAM



OCC B48 5M CH55990 64QAM

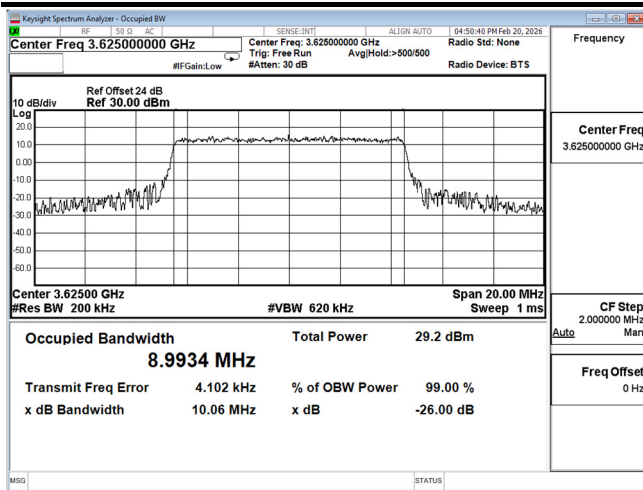


OCC B48 5M CH55990 256QAM

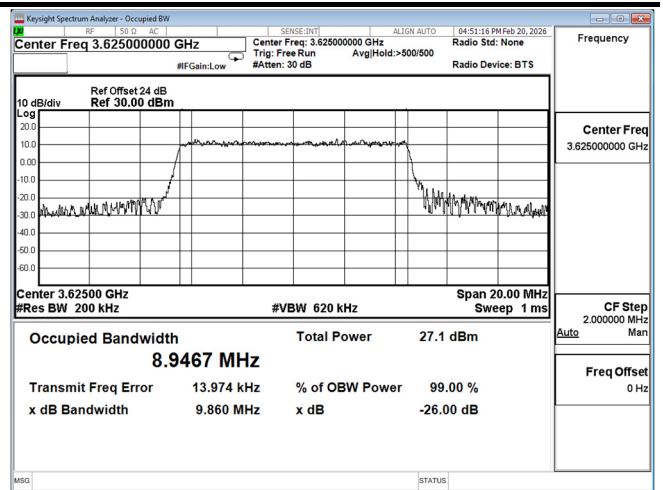


OCC B48 10M CH55990 QPSK

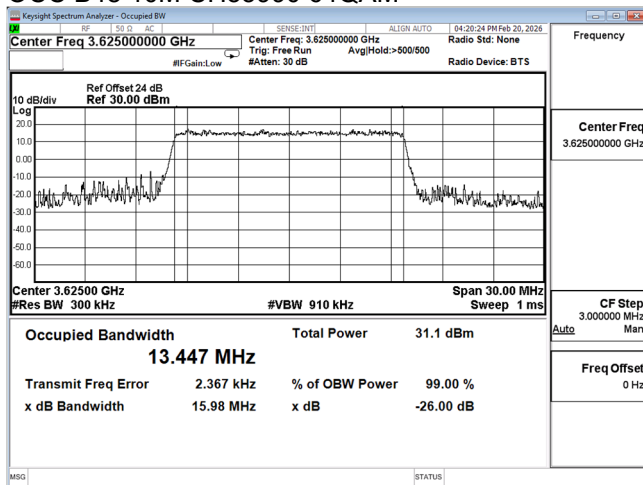
OCC B48 10M CH55990 16QAM



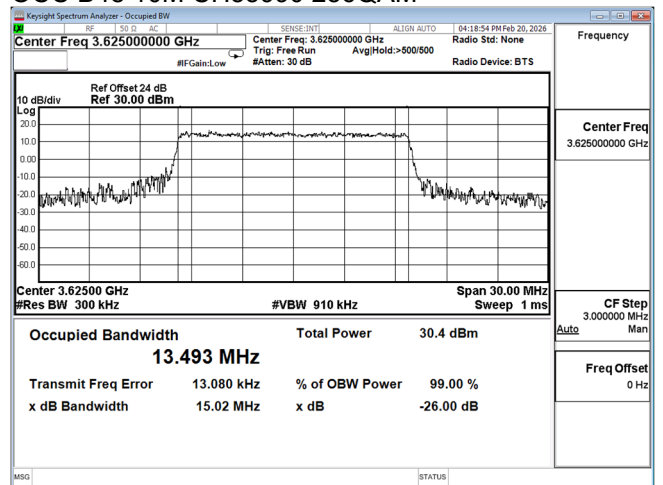
OCC B48 10M CH55990 64QAM



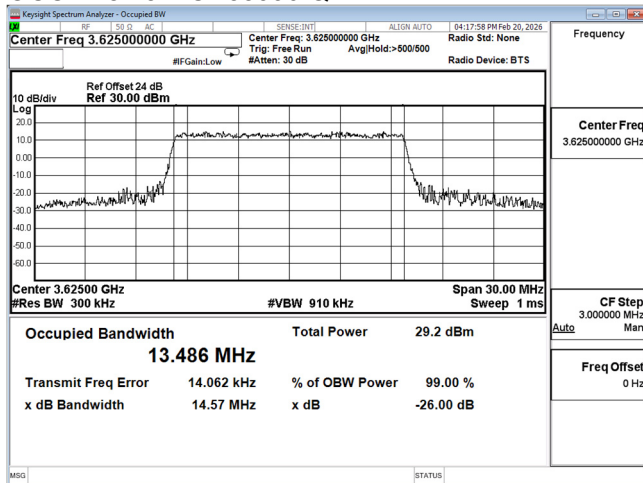
OCC B48 10M CH55990 256QAM



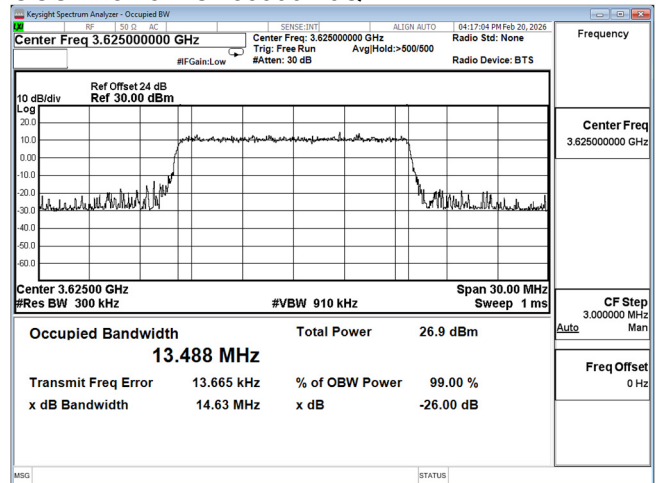
OCC B48 15M CH55990 QPSK



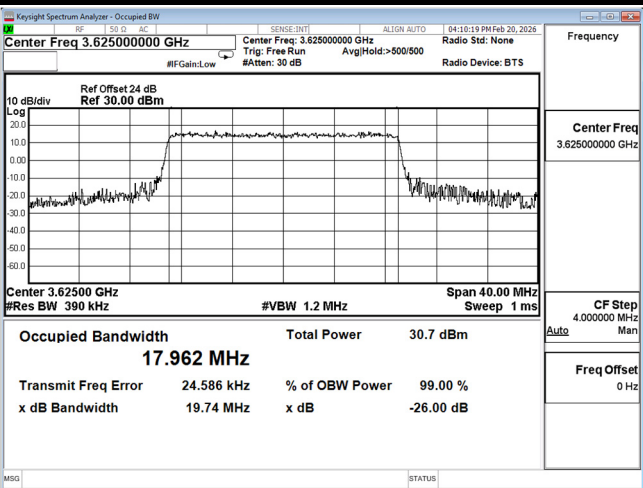
OCC B48 15M CH55990 16QAM



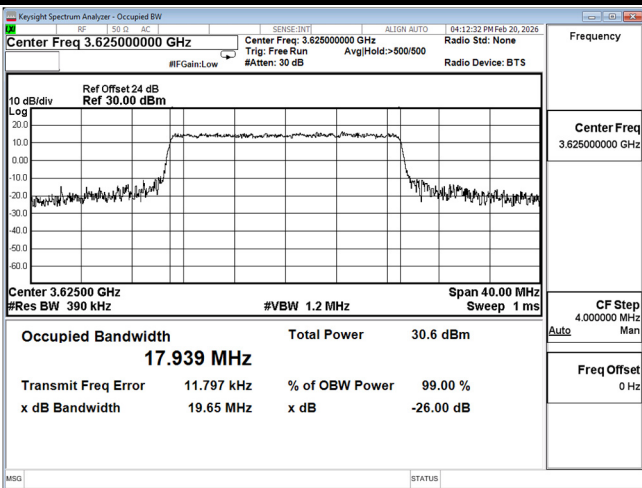
OCC B48 15M CH55990 64QAM



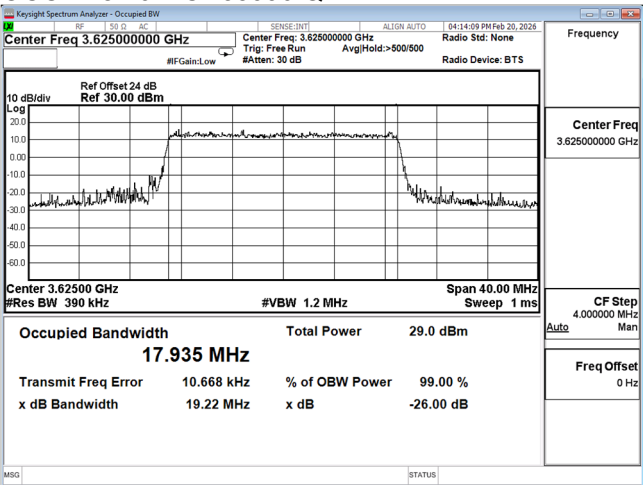
OCC B48 15M CH55990 256QAM



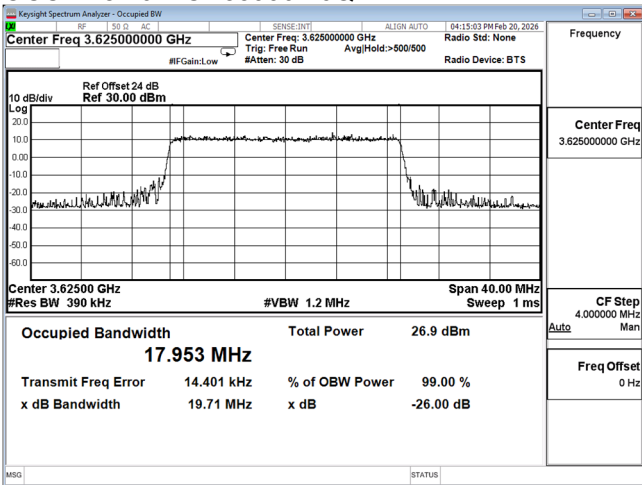
OCC B48 20M CH55990 QPSK



OCC B48 20M CH55990 16QAM

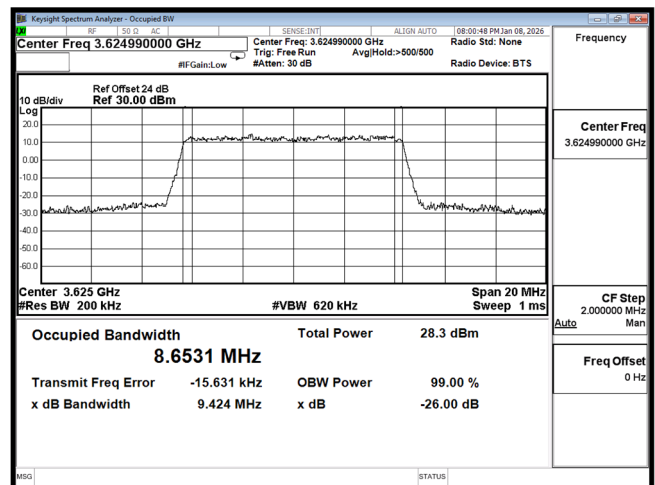
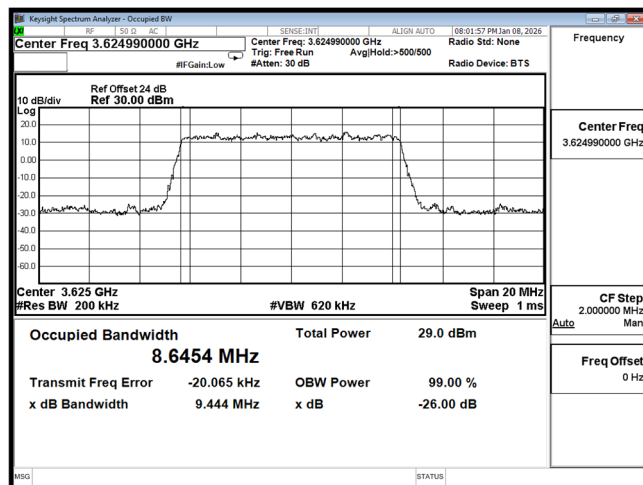


OCC B48 20M CH55990 64QAM

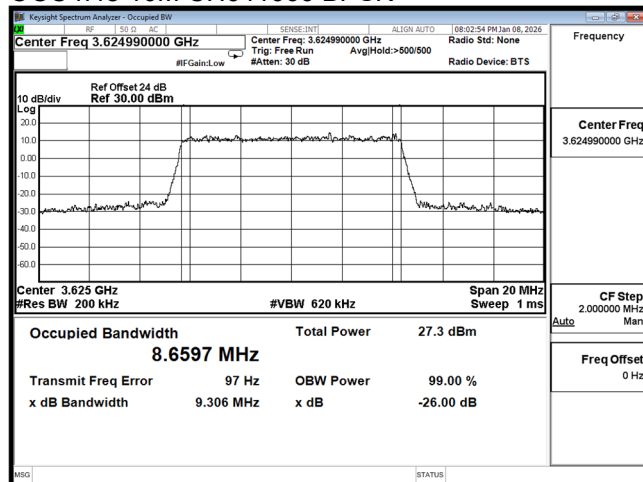


OCC B48 20M CH55990 256QAM

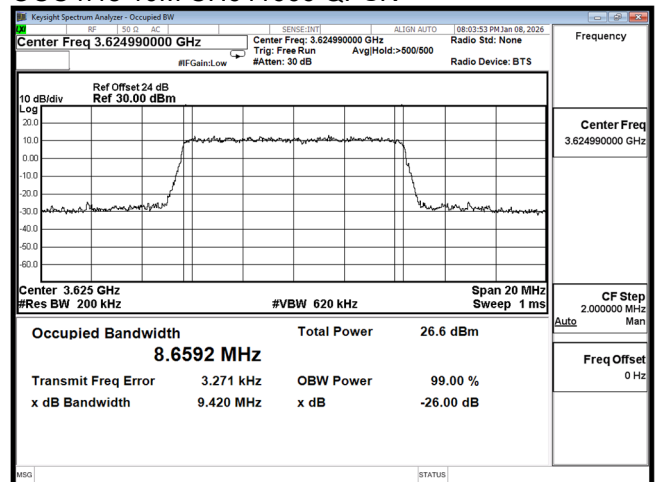
Mode 2: 5G NR n48



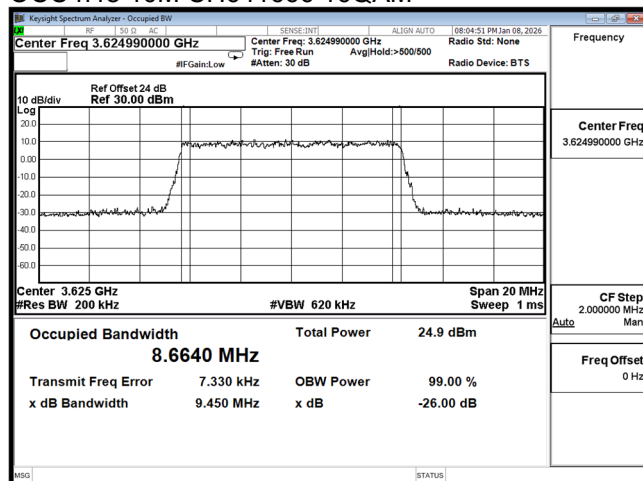
OCC n48 10M CH641666 BPSK



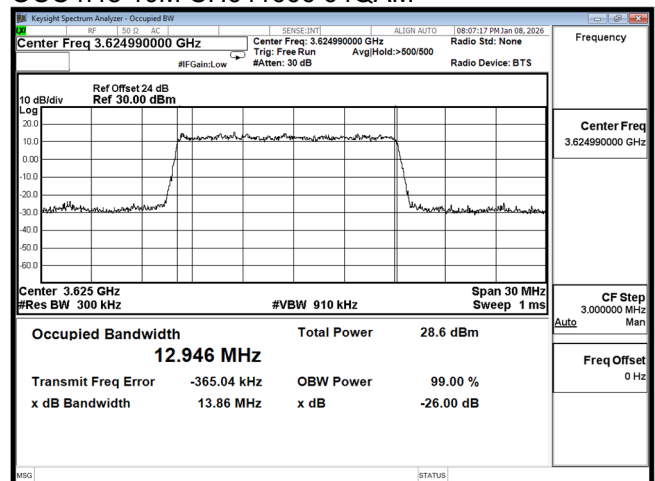
OCC n48 10M CH641666 QPSK



OCC n48 10M CH641666 16QAM

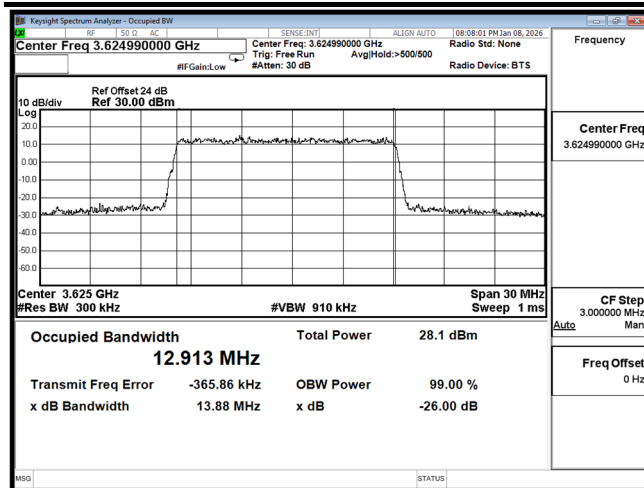


OCC n48 10M CH641666 64QAM

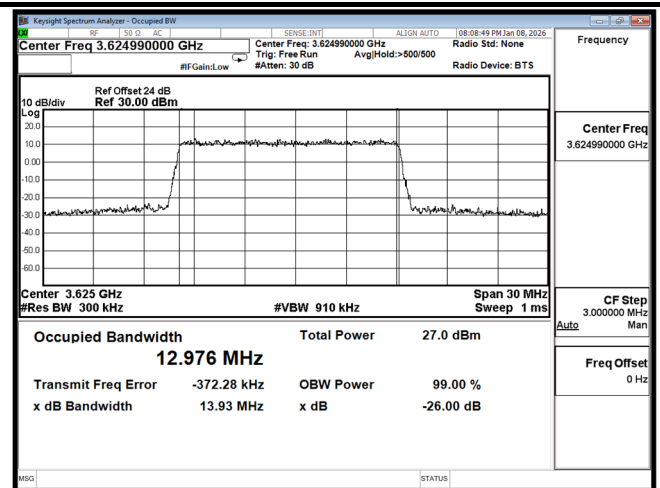


OCC n48 10M CH641666 256QAM

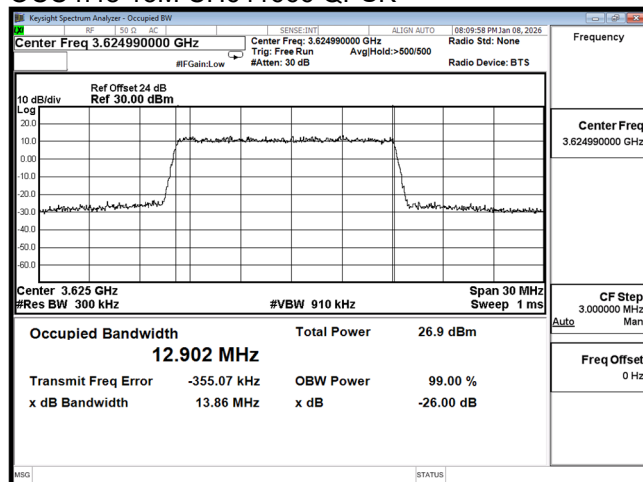
OCC n48 15M CH641666 BPSK



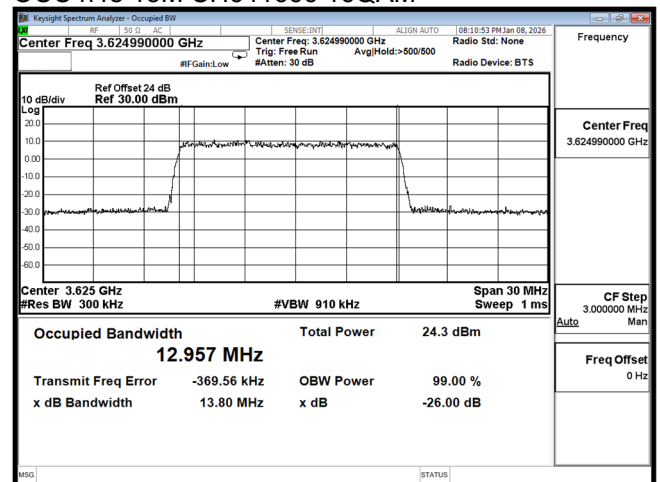
OCC n48 15M CH641666 QPSK



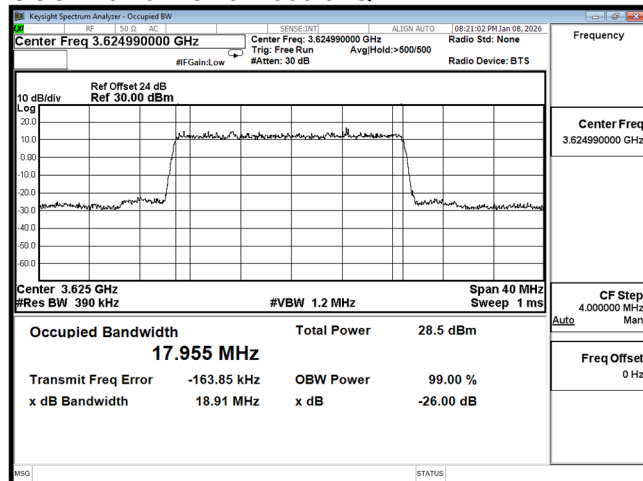
OCC n48 15M CH641666 16QAM



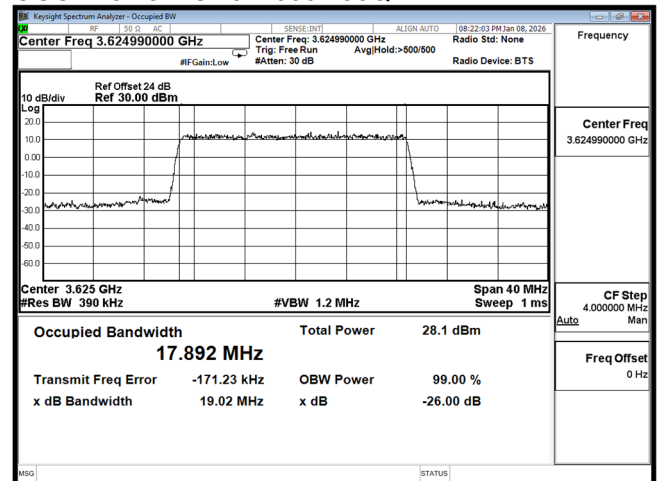
OCC n48 15M CH641666 64QAM



OCC n48 15M CH641666 256QAM



OCC n48 20M CH641666 BPSK



OCC n48 20M CH641666 QPSK