

TEST REPORT

W+NR-MIMO-MC-3

Antenna Port	NR Modulation	NR Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	16QAM	5	-	-	-	37.00	23.84	-	-	-	-
B	16QAM	5	-	-	-	36.97	23.76	-	-	-	-
C	16QAM	5	-	-	-	36.92	23.72	-	-	-	-
D	16QAM	5	-	-	-	36.80	23.66	-	-	-	-
Total			-	-	-	42.94	29.77	-	-	-	-
Total Power+9.9dBi			-	-	-	52.84	39.67	-	-	-	-

Antenna Port	NR Modulation	NR Carrier Bandwidth (MHz))	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	16QAM	10	-	-	-	37.04	23.82	-	-	-	-
B	16QAM	10	-	-	-	37.01	23.70	-	-	-	-
C	16QAM	10	-	-	-	36.96	23.78	-	-	-	-
D	16QAM	10	-	-	-	36.82	23.58	-	-	-	-
Total			-	-	-	42.98	29.74	-	-	-	-
Total Power+9.9dBi			-	-	-	52.88	39.64	-	-	-	-

Antenna Port	NR Modulation	NR Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	16QAM	15	-	-	-	37.05	23.83	-	-	-	-
B	16QAM	15	-	-	-	36.97	23.63	-	-	-	-
C	16QAM	15	-	-	-	36.89	23.63	-	-	-	-
D	16QAM	15	-	-	-	36.94	23.72	-	-	-	-
Total			-	-	-	42.98	29.72	-	-	-	-
Total Power+9.9dBi			-	-	-	52.88	39.62	-	-	-	-

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Antenna Port	NR Modulation	NR Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	16QAM	20	-	-	-	37.01	23.74	-	-	-	-
B	16QAM	20	-	-	-	36.90	23.55	-	-	-	-
C	16QAM	20	-	-	-	36.93	23.66	-	-	-	-
D	16QAM	20	-	-	-	36.78	23.50	-	-	-	-
Total			-	-	-	42.93	29.63	-	-	-	-
Total Power+9.9dBi			-	-	-	52.83	39.53	-	-	-	-

LTE+NR mode:

L+NR-MIMO-MC-1

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	5	1.4	36.97	32.42	-
B	16QAM	16QAM	5	1.4	36.95	32.61	-
C	16QAM	16QAM	5	1.4	36.74	32.47	-
D	16QAM	16QAM	5	1.4	36.69	32.47	-
Total					42.86	38.51	-
Total Power+9.9dBi					52.76	48.41	-

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	5	3	37.08	30.18	-
B	16QAM	16QAM	5	3	37.05	30.22	-
C	16QAM	16QAM	5	3	36.89	30.12	-
D	16QAM	16QAM	5	3	36.71	30.00	-
Total					42.96	36.15	-
Total Power+9.9dBi					52.86	46.05	-

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	5	5	37.04	28.18	-
B	16QAM	16QAM	5	5	36.70	28.24	-
C	16QAM	16QAM	5	5	36.77	28.30	-
D	16QAM	16QAM	5	5	36.71	28.11	-
Total					42.83	34.23	-
Total Power+9.9dBi					52.73	44.13	-

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Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	10	1.4	36.45	32.42	-
B	16QAM	16QAM	10	1.4	37.04	32.57	-
C	16QAM	16QAM	10	1.4	36.88	32.49	-
D	16QAM	16QAM	10	1.4	36.90	32.34	-
Total					42.84	38.48	-
Total Power+9.9dBi					52.74	48.38	-

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	10	5	36.84	38.02	-
B	16QAM	16QAM	10	5	36.78	27.90	-
C	16QAM	16QAM	10	5	36.98	28.05	-
D	16QAM	16QAM	10	5	36.70	27.65	-
Total					42.85	39.13	-
Total Power+9.9dBi					52.75	49.03	-

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	15	1.4	37.03	32.35	-
B	16QAM	16QAM	15	1.4	37.11	32.66	-
C	16QAM	16QAM	15	1.4	36.75	32.38	-
D	16QAM	16QAM	15	1.4	36.86	32.37	-
Total					42.96	38.46	-
Total Power+9.9dBi					52.86	48.36	-

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	15	5	36.80	27.69	-
B	16QAM	16QAM	15	5	36.91	28.18	-
C	16QAM	16QAM	15	5	36.81	28.70	-
D	16QAM	16QAM	15	5	36.83	28.23	-
Total					42.86	34.24	-
Total Power+9.9dBi					52.76	44.14	-

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Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	20	1.4	36.80	27.69	-
B	16QAM	16QAM	20	1.4	36.91	28.18	-
C	16QAM	16QAM	20	1.4	36.81	28.70	-
D	16QAM	16QAM	20	1.4	36.83	28.23	-
Total					42.86	34.24	-
Total Power+9.9dBi					52.76	44.14	-

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	20	5	37.09	37.59	-
B	16QAM	16QAM	20	5	37.04	27.91	-
C	16QAM	16QAM	20	5	36.80	27.66	-
D	16QAM	16QAM	20	5	36.56	27.76	-
Total					42.90	38.77	-
Total Power+9.9dBi					52.80	48.67	-

L+NR-MIMO-MC-2

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	5	1.4	36.85	30.82	-
B	16QAM	16QAM	5	1.4	37.02	30.71	-
C	16QAM	16QAM	5	1.4	36.92	30.70	-
D	16QAM	16QAM	5	1.4	36.67	30.61	-
Total					42.89	36.73	-
Total Power+9.9dBi					52.79	46.63	-

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	5	3	36.82	27.73	-
B	16QAM	16QAM	5	3	36.92	28.28	-
C	16QAM	16QAM	5	3	36.92	28.06	-
D	16QAM	16QAM	5	3	36.87	28.17	-
Total					42.90	34.09	-
Total Power+9.9dBi					52.80	43.99	-

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Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	5	5	36.77	30.52	-
B	16QAM	16QAM	5	5	36.78	26.29	-
C	16QAM	16QAM	5	5	36.80	26.28	-
D	16QAM	16QAM	5	5	36.85	26.13	-
Total					42.82	33.78	-
Total Power+9.9dBi					52.72	43.68	-

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	10	1.4	36.92	30.57	-
B	16QAM	16QAM	10	1.4	36.78	30.57	-
C	16QAM	16QAM	10	1.4	36.87	30.81	-
D	16QAM	16QAM	10	1.4	36.96	30.51	-
Total					42.90	36.64	-
Total Power+9.9dBi					52.80	46.54	-

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	10	5	36.79	26.09	-
B	16QAM	16QAM	10	5	36.93	26.24	-
C	16QAM	16QAM	10	5	36.86	26.03	-
D	16QAM	16QAM	10	5	36.61	26.15	-
Total					42.82	32.15	-
Total Power+9.9dBi					52.72	42.05	-

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	15	1.4	37.04	30.69	-
B	16QAM	16QAM	15	1.4	37.05	30.65	-
C	16QAM	16QAM	15	1.4	37.09	30.65	-
D	16QAM	16QAM	15	1.4	36.57	30.63	-
Total					42.96	36.68	-
Total Power+9.9dBi					52.86	46.58	-

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Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	15	5	36.98	26.03	-
B	16QAM	16QAM	15	5	37.17	26.13	-
C	16QAM	16QAM	15	5	36.81	25.93	-
D	16QAM	16QAM	15	5	36.74	25.86	-
Total					42.95	32.01	-
Total Power+9.9dBi					52.85	41.91	-

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	20	1.4	36.85	30.63	-
B	16QAM	16QAM	20	1.4	36.95	30.77	-
C	16QAM	16QAM	20	1.4	37.03	30.78	-
D	16QAM	16QAM	20	1.4	36.93	30.53	-
Total					42.96	36.70	-
Total Power+9.9dBi					52.86	46.60	-

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	20	5	37.04	26.03	-
B	16QAM	16QAM	20	5	37.05	26.31	-
C	16QAM	16QAM	20	5	36.89	25.95	-
D	16QAM	16QAM	20	5	36.76	25.85	-
Total					42.96	32.06	-
Total Power+9.9dBi					52.86	41.96	-

L+NR-MIMO-MC-3

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	5	1.4	36.92	28.19	-
B	16QAM	16QAM	5	1.4	37.11	28.19	-
C	16QAM	16QAM	5	1.4	36.99	28.20	-
D	16QAM	16QAM	5	1.4	37.06	27.92	-
Total					43.04	34.15	-
Total Power+9.9dBi					52.94	44.05	-

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Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	5	3	36.90	25.62	-
B	16QAM	16QAM	5	3	36.94	25.13	-
C	16QAM	16QAM	5	3	36.89	25.29	-
D	16QAM	16QAM	5	3	36.80	25.12	-
Total					42.90	31.32	-
Total Power+9.9dBi					52.80	41.22	-

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	5	5	36.98	22.59	-
B	16QAM	16QAM	5	5	37.03	23.75	-
C	16QAM	16QAM	5	5	36.88	23.74	-
D	16QAM	16QAM	5	5	36.72	23.41	-
Total					42.92	29.42	-
Total Power+9.9dBi					52.82	39.32	-

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	10	1.4	36.99	28.32	-
B	16QAM	16QAM	10	1.4	37.16	28.24	-
C	16QAM	16QAM	10	1.4	36.90	28.34	-
D	16QAM	16QAM	10	1.4	36.66	28.11	-
Total					42.95	34.27	-
Total Power+9.9dBi					52.85	44.17	-

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	10	5	36.92	23.53	-
B	16QAM	16QAM	10	5	36.96	23.46	-
C	16QAM	16QAM	10	5	37.00	23.39	-
D	16QAM	16QAM	10	5	36.80	23.29	-
Total					42.94	29.44	-
Total Power+9.9dBi					52.84	39.34	-

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Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	15	1.4	36.73	28.30	-
B	16QAM	16QAM	15	1.4	37.24	28.33	-
C	16QAM	16QAM	15	1.4	36.87	28.16	-
D	16QAM	16QAM	15	1.4	36.84	28.03	-
Total					42.94	34.23	-
Total Power+9.9dBi					52.84	44.13	-

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	15	5	36.98	23.59	-
B	16QAM	16QAM	15	5	37.01	23.56	-
C	16QAM	16QAM	15	5	36.95	23.34	-
D	16QAM	16QAM	15	5	36.74	23.30	-
Total					42.94	29.47	-
Total Power+9.9dBi					52.84	39.37	-

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	20	1.4	36.97	28.20	-
B	16QAM	16QAM	20	1.4	36.98	28.34	-
C	16QAM	16QAM	20	1.4	36.76	28.22	-
D	16QAM	16QAM	20	1.4	36.78	27.93	-
Total					42.89	34.20	-
Total Power+9.9dBi					52.79	44.10	-

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	20	5	36.94	23.48	-
B	16QAM	16QAM	20	5	37.01	23.63	-
C	16QAM	16QAM	20	5	36.96	23.49	-
D	16QAM	16QAM	20	5	36.91	23.40	-
Total					42.98	29.52	-
Total Power+9.9dBi					52.88	39.42	-

TEST REPORT

LTE+SA mode:

LTE+SA-MIMO-MC-1

Antenna Port	LTE Modulation	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	16QAM	1.4	36.57	33.16	-	36.70	33.31	-	36.37	33.36	-
B	16QAM	1.4	36.75	33.31	-	37.01	33.41	-	36.68	33.37	-
C	16QAM	1.4	36.56	33.13	-	36.72	33.10	-	36.21	33.22	-
D	16QAM	1.4	36.74	33.26	-	36.49	33.26	-	36.65	33.40	-
Total			42.68	39.24	-	42.75	39.29	-	42.50	39.36	-
Total Power+9.9dBi			52.58	49.14	-	52.65	49.19	-	52.40	49.26	-

Antenna Port	LTE Modulation	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	16QAM	3	36.58	33.50	-	36.51	33.95	-	36.62	33.63	-
B	16QAM	3	36.50	33.73	-	36.67	33.47	-	36.71	33.63	-
C	16QAM	3	36.57	33.49	-	36.67	34.15	-	36.61	33.50	-
D	16QAM	3	36.61	34.04	-	36.58	34.20	-	36.83	33.71	-
Total			42.59	39.72	-	42.63	39.97	-	42.71	39.64	-
Total Power+9.9dBi			52.49	49.62	-	52.53	49.87	-	52.61	49.54	-

Antenna Port	LTE Modulation	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	16QAM	5	-	-	-	35.80	32.80	-	-	-	-
B	16QAM	5	-	-	-	35.68	32.49	-	-	-	-
C	16QAM	5	-	-	-	35.77	32.80	-	-	-	-
D	16QAM	5	-	-	-	35.41	33.34	-	-	-	-
Total			-	-	-	41.69	38.89	-	-	-	-
Total Power+9.9dBi			-	-	-	51.59	48.79	-	-	-	-

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Antenna Port	LTE Modulation	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	16QAM	10	-	-	-	36.01	32.95	-	-	-	-
B	16QAM	10	-	-	-	36.06	33.24	-	-	-	-
C	16QAM	10	-	-	-	35.78	33.09	-	-	-	-
D	16QAM	10	-	-	-	35.80	32.86	-	-	-	-
Total			-	-	-	41.93	39.06	-	-	-	-
Total Power+9.9dBi			-	-	-	51.83	48.96	-	-	-	-

Antenna Port	LTE Modulation	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	16QAM	15	-	-	-	35.78	33.51	-	-	-	-
B	16QAM	15	-	-	-	35.89	32.89	-	-	-	-
C	16QAM	15	-	-	-	35.79	32.59	-	-	-	-
D	16QAM	15	-	-	-	35.64	33.47	-	-	-	-
Total			-	-	-	41.80	39.15	-	-	-	-
Total Power+9.9dBi			-	-	-	51.70	49.05	-	-	-	-

Antenna Port	LTE Modulation	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	16QAM	20	-	-	-	36.05	32.90	-	-	-	-
B	16QAM	20	-	-	-	36.03	33.53	-	-	-	-
C	16QAM	20	-	-	-	36.18	32.90	-	-	-	-
D	16QAM	20	-	-	-	36.03	32.71	-	-	-	-
Total			-	-	-	42.09	39.04	-	-	-	-
Total Power+9.9dBi			-	-	-	51.99	48.94	-	-	-	-

TEST REPORT

LTE+SA-MIMO-MC-2

Antenna Port	LTE Modulation	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	16QAM	1.4	36.87	32.57	-	36.83	32.53	-	36.21	31.48	-
B	16QAM	1.4	36.72	31.61	-	36.61	31.67	-	36.15	31.18	-
C	16QAM	1.4	36.70	32.37	-	36.57	31.82	-	35.89	32.07	-
D	16QAM	1.4	36.65	31.82	-	36.71	31.90	-	36.20	31.66	-
Total			42.76	38.13	-	42.70	38.01	-	42.14	37.63	-
Total Power+9.9dBi			52.66	48.03	-	52.60	47.91	-	52.04	47.53	-

Antenna Port	LTE Modulation	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	16QAM	3	36.79	32.53	-	36.51	31.56	-	36.41	31.50	-
B	16QAM	3	36.64	32.38	-	36.61	31.72	-	36.22	31.30	-
C	16QAM	3	36.78	31.76	-	36.54	32.30	-	36.36	31.44	-
D	16QAM	3	36.72	32.39	-	36.55	31.91	-	36.54	32.31	-
Total			42.75	38.30	-	42.57	37.90	-	42.40	37.68	-
Total Power+9.9dBi			52.65	48.20	-	52.47	47.80	-	52.30	47.58	-

Antenna Port	LTE Modulation	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	16QAM	5	-	-	-	35.92	31.89	-	-	-	-
B	16QAM	5	-	-	-	35.68	31.10	-	-	-	-
C	16QAM	5	-	-	-	35.88	31.00	-	-	-	-
D	16QAM	5	-	-	-	35.95	31.03	-	-	-	-
Total			-	-	-	41.88	37.29	-	-	-	-
Total Power+9.9dBi			-	-	-	51.78	47.19	-	-	-	-

TEST REPORT

Antenna Port	LTE Modulation	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	16QAM	10	-	-	-	35.96	31.20	-	-	-	-
B	16QAM	10	-	-	-	36.08	31.87	-	-	-	-
C	16QAM	10	-	-	-	35.99	31.95	-	-	-	-
D	16QAM	10	-	-	-	36.05	31.51	-	-	-	-
Total			-	-	-	42.04	37.66	-	-	-	-
Total Power+9.9dBi			-	-	-	51.94	47.56	-	-	-	-

Antenna Port	LTE Modulation	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	16QAM	15	-	-	-	36.25	31.13	-	-	-	-
B	16QAM	15	-	-	-	36.40	31.29	-	-	-	-
C	16QAM	15	-	-	-	36.02	31.06	-	-	-	-
D	16QAM	15	-	-	-	36.12	31.18	-	-	-	-
Total			-	-	-	42.22	37.19	-	-	-	-
Total Power+9.9dBi			-	-	-	52.12	47.09	-	-	-	-

Antenna Port	LTE Modulation	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	16QAM	20	-	-	-	36.26	31.51	-	-	-	-
B	16QAM	20	-	-	-	36.34	32.11	-	-	-	-
C	16QAM	20	-	-	-	36.37	32.05	-	-	-	-
D	16QAM	20	-	-	-	36.12	31.11	-	-	-	-
Total			-	-	-	42.29	37.73	-	-	-	-
Total Power+9.9dBi			-	-	-	52.19	47.63	-	-	-	-

TEST REPORT

LTE+SA-MIMO-MC-3

Antenna Port	LTE Modulation	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	16QAM	1.4	36.76	29.68	-	37.02	28.98	-	35.82	27.98	-
B	16QAM	1.4	36.61	29.67	-	36.74	28.84	-	35.90	27.87	-
C	16QAM	1.4	36.85	29.69	-	36.84	29.59	-	35.75	28.27	-
D	16QAM	1.4	36.64	28.78	-	36.44	29.06	-	35.77	27.86	-
Total			42.74	35.49	-	42.79	35.15	-	41.83	34.02	-
Total Power+9.9dBi			52.64	45.39	-	52.69	45.05	-	51.73	43.92	-

Antenna Port	LTE Modulation	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	16QAM	3	36.87	28.97	-	36.72	28.87	-	35.92	28.19	-
B	16QAM	3	36.74	28.98	-	36.67	28.84	-	35.97	27.86	-
C	16QAM	3	36.84	28.66	-	36.64	28.64	-	35.84	28.11	-
D	16QAM	3	36.60	28.18	-	36.67	28.85	-	35.88	27.77	-
Total			42.78	34.73	-	42.70	34.82	-	41.92	34.01	-
Total Power+9.9dBi			52.68	44.63	-	52.60	44.72	-	51.82	43.91	-

Antenna Port	LTE Modulation	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	16QAM	5	-	-	-	36.03	28.37	-	-	-	-
B	16QAM	5	-	-	-	36.21	28.04	-	-	-	-
C	16QAM	5	-	-	-	36.06	28.21	-	-	-	-
D	16QAM	5	-	-	-	36.10	28.10	-	-	-	-
Total			-	-	-	42.12	34.20	-	-	-	-
Total Power+9.9dBi			-	-	-	52.02	44.10	-	-	-	-

TEST REPORT

Antenna Port	LTE Modulation	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	16QAM	10	-	-	-	36.42	28.26	-	-	-	-
B	16QAM	10	-	-	-	35.51	28.89	-	-	-	-
C	16QAM	10	-	-	-	36.39	28.47	-	-	-	-
D	16QAM	10	-	-	-	36.31	28.27	-	-	-	-
Total			-	-	-	42.19	34.50	-	-	-	-
Total Power+9.9dBi			-	-	-	52.09	44.40	-	-	-	-

Antenna Port	LTE Modulation	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	16QAM	15	-	-	-	36.58	28.45	-	-	-	-
B	16QAM	15	-	-	-	36.60	27.68	-	-	-	-
C	16QAM	15	-	-	-	36.55	28.41	-	-	-	-
D	16QAM	15	-	-	-	36.37	28.23	-	-	-	-
Total			-	-	-	42.55	34.22	-	-	-	-
Total Power+9.9dBi			-	-	-	52.45	44.12	-	-	-	-

LTE+SA-MIMO-MC-4

Antenna Port	LTE Modulation	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	16QAM	20	-	-	-	36.89	29.44	-	-	-	-
B	16QAM	20	-	-	-	36.58	30.09	-	-	-	-
C	16QAM	20	-	-	-	36.39	29.17	-	-	-	-
D	16QAM	20	-	-	-	36.48	29.41	-	-	-	-
Total			-	-	-	42.61	35.56	-	-	-	-
Total Power+9.9dBi			-	-	-	52.51	45.46	-	-	-	-

TEST REPORT

WCDMA+SA mode:

WCDMA+SA-MIMO-MC-1

Antenna Port	WCDMA Modulation	WCDMA Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	16QAM	5	-	-	-	35.50	32.93	-	-	-	-
B	16QAM	5	-	-	-	35.71	32.70	-	-	-	-
C	16QAM	5	-	-	-	35.34	32.25	-	-	-	-
D	16QAM	5	-	-	-	35.61	32.56	-	-	-	-
Total			-	-	-	41.56	38.64	-	-	-	-
Total Power+9.9dBi			-	-	-	51.46	48.54	-	-	-	-

WCDMA+SA-MIMO-MC-2

Antenna Port	WCDMA Modulation	WCDMA Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	16QAM	5	-	-	-	35.99	30.54	-	-	-	-
B	16QAM	5	-	-	-	36.17	30.89	-	-	-	-
C	16QAM	5	-	-	-	35.93	30.45	-	-	-	-
D	16QAM	5	-	-	-	36.02	30.74	-	-	-	-
Total			-	-	-	42.05	36.68	-	-	-	-
Total Power+9.9dBi			-	-	-	51.95	46.58	-	-	-	-

WCDMA+SA-MIMO-MC-3

Antenna Port	WCDMA Modulation	WCDMA Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	16QAM	5	-	-	-	36.55	27.97	-	-	-	-
B	16QAM	5	-	-	-	36.72	28.30	-	-	-	-
C	16QAM	5	-	-	-	36.43	27.87	-	-	-	-
D	16QAM	5	-	-	-	36.55	28.16	-	-	-	-
Total			-	-	-	42.58	34.10	-	-	-	-
Total Power+9.9dBi			-	-	-	52.48	44.00	-	-	-	-

TEST REPORT

W+LTE+NR mode:

W+L+NR-MIMO-MC-1

Antenna Port	LTE Modulation	NR Modulation	LTE Carrier Bandwidth (MHz)	NR Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	1.4	5	36.56	30.62	-
B	16QAM	16QAM	1.4	5	36.01	30.14	-
C	16QAM	16QAM	1.4	5	36.67	30.85	-
D	16QAM	16QAM	1.4	5	36.97	31.34	-
Total					42.59	36.78	-
Total Power+9.9dBi					52.49	46.68	-

Antenna Port	LTE Modulation	NR Modulation	LTE Carrier Bandwidth (MHz)	NR Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	3	5	36.51	27.51	-
B	16QAM	16QAM	3	5	36.08	27.29	-
C	16QAM	16QAM	3	5	36.62	27.83	-
D	16QAM	16QAM	3	5	36.96	28.17	-
Total					42.57	33.73	-
Total Power+9.9dBi					52.47	43.63	-

Antenna Port	LTE Modulation	NR Modulation	LTE Carrier Bandwidth (MHz)	NR Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	5	5	36.37	26.53	-
B	16QAM	16QAM	5	5	35.95	26.03	-
C	16QAM	16QAM	5	5	36.64	26.73	-
D	16QAM	16QAM	5	5	36.94	27.02	-
Total					42.51	32.61	-
Total Power+9.9dBi					52.41	42.51	-

Antenna Port	LTE Modulation	NR Modulation	LTE Carrier Bandwidth (MHz)	NR Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	1.4	10	36.43	30.39	-
B	16QAM	16QAM	1.4	10	36.01	30.07	-
C	16QAM	16QAM	1.4	10	36.61	30.67	-
D	16QAM	16QAM	1.4	10	36.95	31.00	-
Total					42.53	36.57	-
Total Power+9.9dBi					52.43	46.47	-

TEST REPORT

Antenna Port	LTE Modulation	NR Modulation	LTE Carrier Bandwidth (MHz)	NR Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	5	10	36.49	26.79	-
B	16QAM	16QAM	5	10	35.98	26.57	-
C	16QAM	16QAM	5	10	36.64	27.07	-
D	16QAM	16QAM	5	10	36.90	27.55	-
Total					42.54	33.03	-
Total Power+9.9dBi					52.44	42.93	-

Antenna Port	LTE Modulation	NR Modulation	LTE Carrier Bandwidth (MHz)	NR Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	1.4	15	36.49	30.66	-
B	16QAM	16QAM	1.4	15	35.96	30.35	-
C	16QAM	16QAM	1.4	15	36.65	30.85	-
D	16QAM	16QAM	1.4	15	37.01	31.19	-
Total					42.56	36.79	-
Total Power+9.9dBi					52.46	46.69	-

Antenna Port	LTE Modulation	NR Modulation	LTE Carrier Bandwidth (MHz)	NR Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	5	15	36.47	26.82	-
B	16QAM	16QAM	5	15	36.02	26.64	-
C	16QAM	16QAM	5	15	36.66	27.04	-
D	16QAM	16QAM	5	15	36.95	27.57	-
Total					42.56	33.05	-
Total Power+9.9dBi					52.46	42.95	-

Antenna Port	LTE Modulation	NR Modulation	LTE Carrier Bandwidth (MHz)	NR Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	1.4	20	36.54	30.72	-
B	16QAM	16QAM	1.4	20	36.03	30.37	-
C	16QAM	16QAM	1.4	20	36.72	31.03	-
D	16QAM	16QAM	1.4	20	37.03	31.25	-
Total					42.62	36.88	-
Total Power+9.9dBi					52.52	46.78	-

TEST REPORT

Antenna Port	LTE Modulation	NR Modulation	LTE Carrier Bandwidth (MHz)	NR Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	5	20	36.51	26.83	-
B	16QAM	16QAM	5	20	36.03	26.66	-
C	16QAM	16QAM	5	20	36.72	27.11	-
D	16QAM	16QAM	5	20	37.00	27.62	-
Total					42.60	33.09	-
Total Power+9.9dBi					52.50	42.99	-

W+L+NR-MIMO-MC-2

Antenna Port	LTE Modulation	NR Modulation	LTE Carrier Bandwidth (MHz)	NR Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	1.4	5	36.60	29.42	-
B	16QAM	16QAM	1.4	5	26.07	29.10	-
C	16QAM	16QAM	1.4	5	36.71	29.70	-
D	16QAM	16QAM	1.4	5	36.87	29.95	-
Total					41.62	35.57	-
Total Power+9.9dBi					51.52	45.47	-

Antenna Port	LTE Modulation	NR Modulation	LTE Carrier Bandwidth (MHz)	NR Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	3	5	36.65	27.27	-
B	16QAM	16QAM	3	5	36.10	26.89	-
C	16QAM	16QAM	3	5	36.78	27.36	-
D	16QAM	16QAM	3	5	37.04	27.82	-
Total					42.68	33.37	-
Total Power+9.9dBi					52.58	43.27	-

Antenna Port	LTE Modulation	NR Modulation	LTE Carrier Bandwidth (MHz)	NR Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	5	5	36.54	23.60	-
B	16QAM	16QAM	5	5	36.04	25.50	-
C	16QAM	16QAM	5	5	36.72	25.95	-
D	16QAM	16QAM	5	5	36.96	26.50	-
Total					42.60	31.54	-
Total Power+9.9dBi					52.50	41.44	-

TEST REPORT

Antenna Port	LTE Modulation	NR Modulation	LTE Carrier Bandwidth (MHz)	NR Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	1.4	10	36.66	29.39	-
B	16QAM	16QAM	1.4	10	36.01	29.09	-
C	16QAM	16QAM	1.4	10	36.82	29.66	-
D	16QAM	16QAM	1.4	10	36.97	30.12	-
Total					42.65	35.60	-
Total Power+9.9dBi					52.55	45.50	-

Antenna Port	LTE Modulation	NR Modulation	LTE Carrier Bandwidth (MHz)	NR Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	5	10	36.55	25.83	-
B	16QAM	16QAM	5	10	36.07	22.42	-
C	16QAM	16QAM	5	10	36.71	22.84	-
D	16QAM	16QAM	5	10	37.01	26.23	-
Total					42.62	30.68	-
Total Power+9.9dBi					52.52	40.58	-

Antenna Port	LTE Modulation	NR Modulation	LTE Carrier Bandwidth (MHz)	NR Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	1.4	15	36.54	29.43	-
B	16QAM	16QAM	1.4	15	36.10	28.96	-
C	16QAM	16QAM	1.4	15	36.73	29.52	-
D	16QAM	16QAM	1.4	15	37.06	29.77	-
Total					42.64	35.45	-
Total Power+9.9dBi					52.54	45.35	-

Antenna Port	LTE Modulation	NR Modulation	LTE Carrier Bandwidth (MHz)	NR Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	5	15	36.57	25.59	-
B	16QAM	16QAM	5	15	36.09	25.47	-
C	16QAM	16QAM	5	15	36.76	25.9	-
D	16QAM	16QAM	5	15	37.03	26.28	-
Total					42.65	31.84	-
Total Power+9.9dBi					52.55	41.74	-

TEST REPORT

Antenna Port	LTE Modulation	NR Modulation	LTE Carrier Bandwidth (MHz)	NR Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	1.4	20	36.64	29.37	-
B	16QAM	16QAM	1.4	20	36.16	29.11	-
C	16QAM	16QAM	1.4	20	36.79	29.68	-
D	16QAM	16QAM	1.4	20	36.88	30.10	-
Total					42.65	35.60	-
Total Power+9.9dBi					52.55	45.50	-

Antenna Port	LTE Modulation	NR Modulation	LTE Carrier Bandwidth (MHz)	NR Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	5	20	36.47	25.54	-
B	16QAM	16QAM	5	20	36.13	25.38	-
C	16QAM	16QAM	5	20	36.82	25.85	-
D	16QAM	16QAM	5	20	37.03	26.22	-
Total					42.65	31.78	-
Total Power+9.9dBi					52.55	41.68	-

W+L+NR-MIMO-MC-3

Antenna Port	LTE Modulation	NR Modulation	LTE Carrier Bandwidth (MHz)	NR Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	1.4	5	36.53	27.91	-
B	16QAM	16QAM	1.4	5	36.06	27.75	-
C	16QAM	16QAM	1.4	5	36.72	28.20	-
D	16QAM	16QAM	1.4	5	37.00	28.50	-
Total					42.61	34.12	-
Total Power+9.9dBi					52.51	44.02	-

Antenna Port	LTE Modulation	NR Modulation	LTE Carrier Bandwidth (MHz)	NR Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	3	5	36.55	25.77	-
B	16QAM	16QAM	3	5	36.04	25.35	-
C	16QAM	16QAM	3	5	36.82	26.00	-
D	16QAM	16QAM	3	5	37.01	26.14	-
Total					42.64	31.85	-
Total Power+9.9dBi					52.54	41.75	-

TEST REPORT

Antenna Port	LTE Modulation	NR Modulation	LTE Carrier Bandwidth (MHz)	NR Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	5	5	36.52	24.28	-
B	16QAM	16QAM	5	5	36.07	23.74	-
C	16QAM	16QAM	5	5	36.78	24.59	-
D	16QAM	16QAM	5	5	37.00	24.83	-
Total					42.63	30.40	-
Total Power+9.9dBi					52.53	40.30	-

Antenna Port	LTE Modulation	NR Modulation	LTE Carrier Bandwidth (MHz)	NR Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	1.4	10	36.52	27.92	-
B	16QAM	16QAM	1.4	10	36.11	27.66	-
C	16QAM	16QAM	1.4	10	36.79	28.18	-
D	16QAM	16QAM	1.4	10	36.99	28.47	-
Total					42.64	34.09	-
Total Power+9.9dBi					52.54	43.99	-

Antenna Port	LTE Modulation	NR Modulation	LTE Carrier Bandwidth (MHz)	NR Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	5	10	36.51	27.92	-
B	16QAM	16QAM	5	10	36.01	27.74	-
C	16QAM	16QAM	5	10	36.77	28.15	-
D	16QAM	16QAM	5	10	37.04	28.47	-
Total					42.62	34.10	-
Total Power+9.9dBi					52.52	44.00	-

Antenna Port	LTE Modulation	NR Modulation	LTE Carrier Bandwidth (MHz)	NR Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	1.4	15	36.52	27.85	-
B	16QAM	16QAM	1.4	15	36.06	27.67	-
C	16QAM	16QAM	1.4	15	36.66	28.26	-
D	16QAM	16QAM	1.4	15	37.04	28.53	-
Total					42.60	34.11	-
Total Power+9.9dBi					52.50	44.01	-

TEST REPORT

Antenna Port	LTE Modulation	NR Modulation	LTE Carrier Bandwidth (MHz)	NR Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	5	15	36.53	24.23	-
B	16QAM	16QAM	5	15	36.04	23.70	-
C	16QAM	16QAM	5	15	36.71	24.50	-
D	16QAM	16QAM	5	15	37.01	24.76	-
Total					42.61	30.34	-
Total Power+9.9dBi					52.51	40.24	-

W+L+NR-MIMO-MC-4

Antenna Port	LTE Modulation	NR Modulation	LTE Carrier Bandwidth (MHz)	NR Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	1.4	20	36.53	28.87	-
B	16QAM	16QAM	1.4	20	36.11	28.52	-
C	16QAM	16QAM	1.4	20	36.71	29.04	-
D	16QAM	16QAM	1.4	20	37.02	29.29	-
Total					42.63	34.96	-
Total Power+9.9dBi					52.53	44.86	-

Antenna Port	LTE Modulation	NR Modulation	LTE Carrier Bandwidth (MHz)	NR Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	5	20	36.53	25.07	-
B	16QAM	16QAM	5	20	36.02	24.55	-
C	16QAM	16QAM	5	20	36.75	25.21	-
D	16QAM	16QAM	5	20	37.01	25.47	-
Total					42.61	31.11	-
Total Power+9.9dBi					52.51	41.01	-

TEST REPORT

SA+LTE+NR mode:

NB+L+NR-MIMO-MC-1

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	5	1.4	35.09	31.99	-
B	16QAM	16QAM	5	1.4	34.74	31.42	-
C	16QAM	16QAM	5	1.4	35.24	32.26	-
D	16QAM	16QAM	5	1.4	35.61	32.48	-
Total					41.20	38.08	-
Total Power+9.9dBi					51.10	47.98	-

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	5	3	35.22	31.41	-
B	16QAM	16QAM	5	3	34.49	30.40	-
C	16QAM	16QAM	5	3	35.52	31.61	-
D	16QAM	16QAM	5	3	35.42	31.94	-
Total					41.20	37.40	-
Total Power+9.9dBi					51.10	47.30	-

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	5	5	35.27	31.03	-
B	16QAM	16QAM	5	5	34.85	30.76	-
C	16QAM	16QAM	5	5	35.61	30.73	-
D	16QAM	16QAM	5	5	35.79	31.32	-
Total					41.42	36.99	-
Total Power+9.9dBi					51.32	46.89	-

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	10	1.4	35.10	32.07	-
B	16QAM	16QAM	10	1.4	34.96	31.52	-
C	16QAM	16QAM	10	1.4	35.42	32.23	-
D	16QAM	16QAM	10	1.4	35.60	32.50	-
Total					41.30	38.12	-
Total Power+9.9dBi					51.20	48.02	-

TEST REPORT

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	10	5	35.30	31.16	-
B	16QAM	16QAM	10	5	34.86	30.24	-
C	16QAM	16QAM	10	5	35.61	31.47	-
D	16QAM	16QAM	10	5	35.82	31.85	-
Total					41.43	37.24	-
Total Power+9.9dBi					51.33	47.14	-

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	15	1.4	35.49	32.04	-
B	16QAM	16QAM	15	1.4	34.94	31.45	-
C	16QAM	16QAM	15	1.4	35.45	32.05	-
D	16QAM	16QAM	15	1.4	35.90	32.56	-
Total					41.48	38.06	-
Total Power+9.9dBi					51.38	47.96	-

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	15	5	35.17	30.64	-
B	16QAM	16QAM	15	5	34.98	30.69	-
C	16QAM	16QAM	15	5	35.60	31.38	-
D	16QAM	16QAM	15	5	35.71	31.43	-
Total					41.40	37.07	-
Total Power+9.9dBi					51.30	46.97	-

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	20	1.4	35.29	32.08	-
B	16QAM	16QAM	20	1.4	35.09	31.74	-
C	16QAM	16QAM	20	1.4	35.31	32.09	-
D	16QAM	16QAM	20	1.4	35.76	32.49	-
Total					41.39	38.13	-
Total Power+9.9dBi					51.29	48.03	-

TEST REPORT

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	20	5	35.22	31.13	-
B	16QAM	16QAM	20	5	34.89	30.46	-
C	16QAM	16QAM	20	5	35.67	31.41	-
D	16QAM	16QAM	20	5	35.83	31.08	-
Total					41.44	37.05	-
Total Power+9.9dBi					51.34	46.95	-

NB+L+NR-MIMO-MC-2

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	5	1.4	35.16	30.20	-
B	16QAM	16QAM	5	1.4	34.82	30.24	-
C	16QAM	16QAM	5	1.4	35.48	30.84	-
D	16QAM	16QAM	5	1.4	35.53	30.94	-
Total					41.28	36.59	-
Total Power+9.9dBi					51.18	46.49	-

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	5	3	35.24	30.14	
B	16QAM	16QAM	5	3	34.86	29.93	
C	16QAM	16QAM	5	3	35.58	30.18	
D	16QAM	16QAM	5	3	35.80	30.21	
Total					41.41	36.14	
Total Power+9.9dBi					51.31	46.04	

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	5	5	35.38	29.39	
B	16QAM	16QAM	5	5	34.88	23.38	
C	16QAM	16QAM	5	5	35.49	29.83	
D	16QAM	16QAM	5	5	35.83	30.53	
Total					41.43	35.02	
Total Power+9.9dBi					51.33	44.92	

TEST REPORT

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	10	1.4	35.11	30.32	-
B	16QAM	16QAM	10	1.4	34.77	30.30	-
C	16QAM	16QAM	10	1.4	35.42	30.87	-
D	16QAM	16QAM	10	1.4	35.68	31.10	-
Total					41.28	36.68	-
Total Power+9.9dBi					51.18	46.58	-

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	10	5	35.35	29.68	-
B	16QAM	16QAM	10	5	35.06	29.87	-
C	16QAM	16QAM	10	5	35.61	30.46	-
D	16QAM	16QAM	10	5	35.93	30.71	-
Total					41.52	36.22	-
Total Power+9.9dBi					51.42	46.12	-

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	15	1.4	35.11	30.70	-
B	16QAM	16QAM	15	1.4	34.89	30.60	-
C	16QAM	16QAM	15	1.4	35.61	30.96	-
D	16QAM	16QAM	15	1.4	35.73	31.37	-
Total					41.37	36.94	-
Total Power+9.9dBi					51.27	46.84	-

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	15	5	35.44	29.52	-
B	16QAM	16QAM	15	5	35.05	29.53	-
C	16QAM	16QAM	15	5	35.66	29.95	-
D	16QAM	16QAM	15	5	36.00	30.27	-
Total					41.57	35.85	-
Total Power+9.9dBi					51.47	45.75	-

TEST REPORT

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	20	1.4	35.32	30.82	-
B	16QAM	16QAM	20	1.4	34.88	30.40	-
C	16QAM	16QAM	20	1.4	35.50	30.66	-
D	16QAM	16QAM	20	1.4	35.78	31.45	-
Total					41.40	36.87	-
Total Power+9.9dBi					51.30	46.77	-

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	20	5	35.47	29.98	-
B	16QAM	16QAM	20	5	35.09	29.70	-
C	16QAM	16QAM	20	5	35.75	29.86	-
D	16QAM	16QAM	20	5	35.97	30.08	-
Total					41.60	35.93	-
Total Power+9.9dBi					51.50	45.83	-

NB+L+NR-MIMO-MC-3

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	5	1.4	35.86	29.60	-
B	16QAM	16QAM	5	1.4	36.02	29.85	-
C	16QAM	16QAM	5	1.4	35.62	39.24	-
D	16QAM	16QAM	5	1.4	36.02	29.90	-
Total					41.90	40.51	-
Total Power+9.9dBi					51.80	50.41	-

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	5	3	36.08	28.39	-
B	16QAM	16QAM	5	3	36.32	28.63	-
C	16QAM	16QAM	5	3	35.94	28.25	-
D	16QAM	16QAM	5	3	36.18	28.73	-
Total					42.15	34.52	-
Total Power+9.9dBi					52.05	44.42	-

TEST REPORT

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	5	5	36.04	28.77	-
B	16QAM	16QAM	5	5	36.20	29.11	-
C	16QAM	16QAM	5	5	35.84	28.48	-
D	16QAM	16QAM	5	5	36.06	28.76	-
Total					42.06	34.81	-
Total Power+9.9dBi					51.96	44.71	-

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	10	1.4	35.82	29.46	-
B	16QAM	16QAM	10	1.4	36.13	29.79	-
C	16QAM	16QAM	10	1.4	35.79	28.38	-
D	16QAM	16QAM	10	1.4	35.97	29.81	-
Total					41.95	35.42	-
Total Power+9.9dBi					51.85	45.32	-

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	10	5	36.11	28.64	-
B	16QAM	16QAM	10	5	36.31	28.95	-
C	16QAM	16QAM	10	5	35.94	28.56	-
D	16QAM	16QAM	10	5	36.20	28.68	-
Total					42.16	34.73	-
Total Power+9.9dBi					52.06	44.63	-

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	15	1.4	35.92	29.66	-
B	16QAM	16QAM	15	1.4	36.27	29.80	-
C	16QAM	16QAM	15	1.4	35.68	29.41	-
D	16QAM	16QAM	15	1.4	35.89	29.68	-
Total					41.97	35.66	-
Total Power+9.9dBi					51.87	45.56	-

TEST REPORT

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	15	5	36.10	28.34	-
B	16QAM	16QAM	15	5	36.35	28.95	-
C	16QAM	16QAM	15	5	35.98	28.45	-
D	16QAM	16QAM	15	5	36.28	28.84	-
Total					42.20	34.67	-
Total Power+9.9dBi					52.10	44.57	-

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	20	1.4	35.81	29.72	-
B	16QAM	16QAM	20	1.4	35.99	30.08	-
C	16QAM	16QAM	20	1.4	35.77	29.44	-
D	16QAM	16QAM	20	1.4	36.07	29.95	-
Total					41.93	35.82	-
Total Power+9.9dBi					51.83	45.72	-

Antenna Port	NR Modulation	LTE Modulation	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)		
					Channel position M		
					Power (dBm)	Power (dBm/MHz)	PAR (dB)
A	16QAM	16QAM	20	5	36.17	28.49	-
B	16QAM	16QAM	20	5	36.20	28.60	-
C	16QAM	16QAM	20	5	35.89	28.99	-
D	16QAM	16QAM	20	5	36.20	28.92	-
Total					42.14	34.78	-
Total Power+9.9dBi					52.04	44.68	-

TEST REPORT

WCDMA+LTE+SA mode:

W+L+SA-MIMO-MC-1

Antenna Port	LTE Modulation	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	16QAM	1.4	36.05	31.61	-	35.99	29.29	-	35.99	29.68	-
B	16QAM	1.4	36.13	31.62	-	36.08	29.40	-	36.07	29.57	-
C	16QAM	1.4	35.90	31.41	-	35.85	29.42	-	35.79	29.16	-
D	16QAM	1.4	36.06	29.33	-	36.05	29.58	-	36.04	29.73	-
Total			42.06	37.11	-	42.01	35.44	-	41.99	35.56	-
Total Power+9.9dBi			51.96	47.01	-	51.91	45.34	-	51.89	45.46	-

Antenna Port	LTE Modulation	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	16QAM	3	36.05	28.87	-	35.98	29.01	-	35.97	28.72	-
B	16QAM	3	36.11	28.98	-	36.09	29.39	-	36.07	29.39	-
C	16QAM	3	35.89	29.05	-	35.85	28.66	-	35.79	28.50	-
D	16QAM	3	36.08	29.20	-	36.07	29.09	-	36.07	29.38	-
Total			42.05	35.05	-	42.02	35.07	-	42.00	35.04	-
Total Power+9.9dBi			51.95	44.95	-	51.92	44.97	-	51.90	44.94	-

Antenna Port	LTE Modulation	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	16QAM	5	-	-	-	35.82	29.44	-	-	-	-
B	16QAM	5	-	-	-	36.02	29.28	-	-	-	-
C	16QAM	5	-	-	-	35.69	29.18	-	-	-	-
D	16QAM	5	-	-	-	35.98	28.45	-	-	-	-
Total			-	-	-	41.90	35.12	-	-	-	-
Total Power+9.9dBi			-	-	-	51.80	45.02	-	-	-	-

TEST REPORT

Antenna Port	LTE Modulation	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	16QAM	10	-	-	-	35.93	29.12	-	-	-	-
B	16QAM	10	-	-	-	36.14	29.44	-	-	-	-
C	16QAM	10	-	-	-	35.81	29.04	-	-	-	-
D	16QAM	10	-	-	-	36.03	29.18	-	-	-	-
Total			-	-	-	42.00	35.22	-	-	-	-
Total Power+9.9dBi			-	-	-	51.90	45.12	-	-	-	-

Antenna Port	LTE Modulation	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	16QAM	15	-	-	-	35.96	29.07	-	-	-	-
B	16QAM	15	-	-	-	36.25	29.15	-	-	-	-
C	16QAM	15	-	-	-	35.77	28.94	-	-	-	-
D	16QAM	15	-	-	-	35.97	29.07	-	-	-	-
Total			-	-	-	42.01	35.08	-	-	-	-
Total Power+9.9dBi			-	-	-	51.91	44.98	-	-	-	-

Antenna Port	LTE Modulation	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	16QAM	20	-	-	-	36.02	28.91	-	-	-	-
B	16QAM	20	-	-	-	36.16	29.90	-	-	-	-
C	16QAM	20	-	-	-	35.88	28.66	-	-	-	-
D	16QAM	20	-	-	-	35.82	28.81	-	-	-	-
Total			-	-	-	41.99	35.12	-	-	-	-
Total Power+9.9dBi			-	-	-	51.89	45.02	-	-	-	-

TEST REPORT

W+L+SA-MIMO-MC-2

Antenna Port	LTE Modulation	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	16QAM	1.4	36.55	28.70	-	36.51	29.02	-	36.47	28.73	-
B	16QAM	1.4	36.64	29.15	-	36.59	29.03	-	36.56	29.00	-
C	16QAM	1.4	36.38	29.12	-	36.35	29.77	-	36.29	28.87	-
D	16QAM	1.4	36.58	29.30	-	36.55	28.76	-	36.51	28.87	-
Total			42.56	35.09	-	42.52	35.18	-	42.48	34.89	-
Total Power+9.9dBi			52.46	44.99	-	52.42	45.08	-	52.38	44.79	-

Antenna Port	LTE Modulation	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	16QAM	3	36.52	28.66	-	36.51	29.35	-	36.51	29.19	-
B	16QAM	3	36.61	28.92	-	36.59	29.15	-	36.60	28.96	-
C	16QAM	3	36.38	29.12	-	36.35	29.14	-	36.32	29.09	-
D	16QAM	3	36.56	28.97	-	36.57	29.07	-	36.57	29.46	-
Total			42.54	34.94	-	42.53	35.20	-	42.52	35.20	-
Total Power+9.9dBi			52.44	44.84	-	52.43	45.10	-	52.42	45.10	-

W+L+SA-MIMO-MC-3

Antenna Port	LTE Modulation	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	16QAM	5	-	-	-	36.42	29.47	-	-	-	-
B	16QAM	5	-	-	-	36.61	29.40	-	-	-	-
C	16QAM	5	-	-	-	36.25	29.45	-	-	-	-
D	16QAM	5	-	-	-	36.52	29.53	-	-	-	-
Total			-	-	-	42.47	35.48	-	-	-	-
Total Power+9.9dBi			-	-	-	52.37	45.38	-	-	-	-

TEST REPORT

Antenna Port	LTE Modulation	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	16QAM	10	-	-	-	36.48	29.19	-	-	-	-
B	16QAM	10	-	-	-	36.58	29.23	-	-	-	-
C	16QAM	10	-	-	-	36.36	29.42	-	-	-	-
D	16QAM	10	-	-	-	36.59	29.66	-	-	-	-
Total			-	-	-	42.52	35.40	-	-	-	-
Total Power+9.9dBi			-	-	-	52.42	45.30	-	-	-	-

Antenna Port	LTE Modulation	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	16QAM	15	-	-	-	36.54	29.50	-	-	-	-
B	16QAM	15	-	-	-	36.61	29.57	-	-	-	-
C	16QAM	15	-	-	-	36.38	29.07	-	-	-	-
D	16QAM	15	-	-	-	36.62	29.07	-	-	-	-
Total			-	-	-	42.56	35.33	-	-	-	-
Total Power+9.9dBi			-	-	-	52.46	45.23	-	-	-	-

Antenna Port	LTE Modulation	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	16QAM	20	-	-	-	36.44	28.78	-	-	-	-
B	16QAM	20	-	-	-	36.59	28.97	-	-	-	-
C	16QAM	20	-	-	-	36.25	28.77	-	-	-	-
D	16QAM	20	-	-	-	36.46	28.82	-	-	-	-
Total			-	-	-	42.46	34.86	-	-	-	-
Total Power+9.9dBi			-	-	-	52.36	44.76	-	-	-	-

TEST REPORT

W+L+SA-MIMO-MC-4

Antenna Port	LTE Modulation	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	16QAM	1.4	36.81	29.44	-	36.86	29.52	-	36.86	29.28	-
B	16QAM	1.4	38.85	29.12	-	36.89	29.35	-	36.95	29.62	-
C	16QAM	1.4	36.66	28.97	-	36.63	23.34	-	36.59	29.14	-
D	16QAM	1.4	36.77	28.88	-	36.85	29.59	-	36.92	29.58	-
Total			43.40	35.13	-	42.83	34.60	-	42.85	35.43	-
Total Power+9.9dBi			53.30	45.03	-	52.73	44.50	-	52.75	45.33	-

Antenna Port	LTE Modulation	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	16QAM	3	36.77	29.40	-	36.83	29.49	-	36.81	29.24	-
B	16QAM	3	36.82	29.32	-	36.91	29.62	-	36.91	29.37	-
C	16QAM	3	36.63	28.86	-	36.66	29.26	-	36.61	28.79	-
D	16QAM	3	36.70	29.35	-	36.87	29.58	-	36.87	29.61	-
Total			42.75	35.26	-	42.84	35.51	-	42.82	35.28	-
Total Power+9.9dBi			52.65	45.16	-	52.74	45.41	-	52.72	45.18	-

W+L+SA-MIMO-MC-5

Antenna Port	LTE Modulation	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	16QAM	5	-	-	-	36.44	28.72	-	-	-	-
B	16QAM	5	-	-	-	36.62	29.25	-	-	-	-
C	16QAM	5	-	-	-	36.30	28.93	-	-	-	-
D	16QAM	5	-	-	-	36.51	28.97	-	-	-	-
Total			-	-	-	42.49	34.99	-	-	-	-
Total Power+9.9dBi			-	-	-	52.39	44.89	-	-	-	-

TEST REPORT

Antenna Port	LTE Modulation	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	16QAM	10	-	-	-	36.55	28.80	-	-	-	-
B	16QAM	10	-	-	-	36.67	28.92	-	-	-	-
C	16QAM	10	-	-	-	36.40	29.21	-	-	-	-
D	16QAM	10	-	-	-	36.59	28.96	-	-	-	-
Total			-	-	-	42.57	35.00	-	-	-	-
Total Power+9.9dBi			-	-	-	52.47	44.90	-	-	-	-

Antenna Port	LTE Modulation	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	16QAM	15	-	-	-	36.62	28.80	-	-	-	-
B	16QAM	15	-	-	-	36.79	29.10	-	-	-	-
C	16QAM	15	-	-	-	36.48	28.67	-	-	-	-
D	16QAM	15	-	-	-	36.68	29.14	-	-	-	-
Total			-	-	-	42.66	34.95	-	-	-	-
Total Power+9.9dBi			-	-	-	52.56	44.85	-	-	-	-

Antenna Port	LTE Modulation	LTE Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	16QAM	20	-	-	-	36.76	28.38	-	-	-	-
B	16QAM	20	-	-	-	36.86	28.47	-	-	-	-
C	16QAM	20	-	-	-	36.52	28.28	-	-	-	-
D	16QAM	20	-	-	-	36.75	28.34	-	-	-	-
Total			-	-	-	42.74	34.39	-	-	-	-
Total Power+9.9dBi			-	-	-	52.64	44.29	-	-	-	-

TEST REPORT**4 Occupied Bandwidth****Test result: Pass****4.1 Measurement Procedure**

The EUT was set to transmit at maximum power and testing was carried out on bottom, middle and top channels. Using the Occupied Bandwidth measurement function in the spectrum analyzer, the 26dB bandwidth was measured in accordance with FCC KDB 971168 D01 Clause 4.2.

The measurement method is from KDB 971168 4.2:

- a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be set wide enough to capture all modulation products including the emission skirts (i.e., two to five times the OBW).
- b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
- c) Set the reference level of the instrument as required to keep the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope must be at least $10\log(\text{OBW} / \text{RBW})$ below the reference level.
- d) Set the detection mode to peak, and the trace mode to max hold.
- e) Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.

TEST REPORT

4.2 Measurement result

NR-MIMO-1C

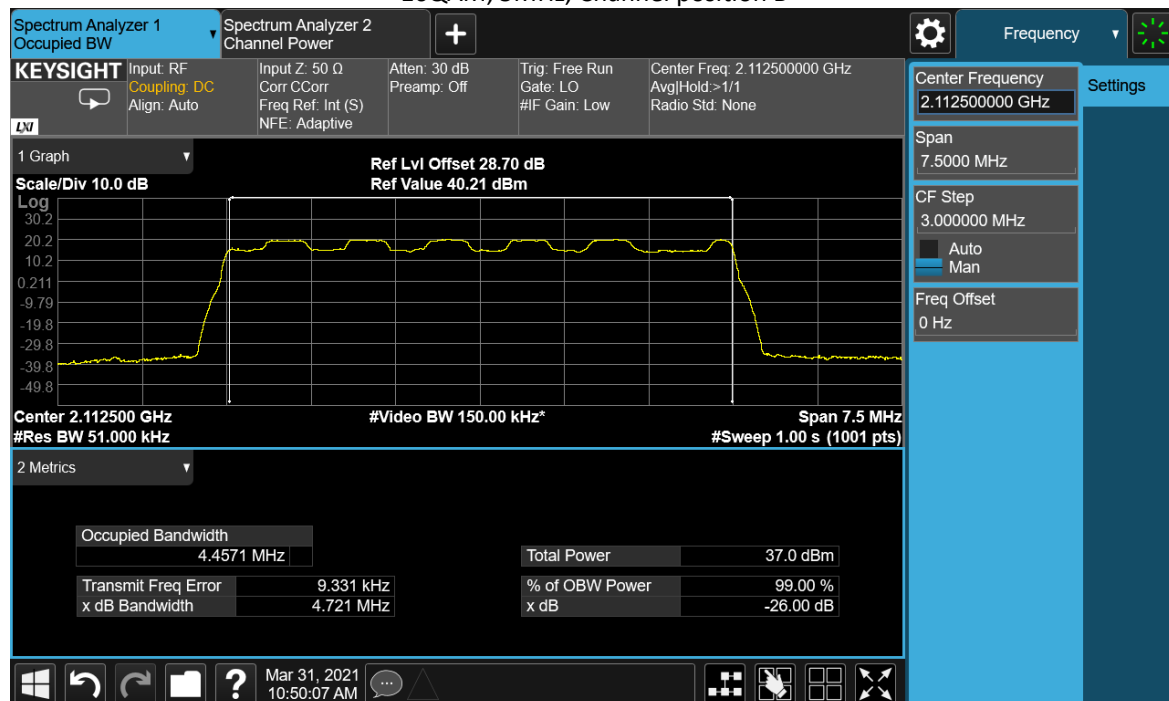
99% Occupied Bandwidth

Antenna Port	Modulation	Bandwidth	Occupied Bandwidth (MHz)		
			Channel Position B	Channel Position M	Channel Position T
B	16QAM	5MHz	4.4571	4.4578	4.4576
B	16QAM	10MHz	9.1832	9.1837	9.1751
B	16QAM	15MHz	14.060	14.072	14.068
B	16QAM	20MHz	18.865	18.880	18.873

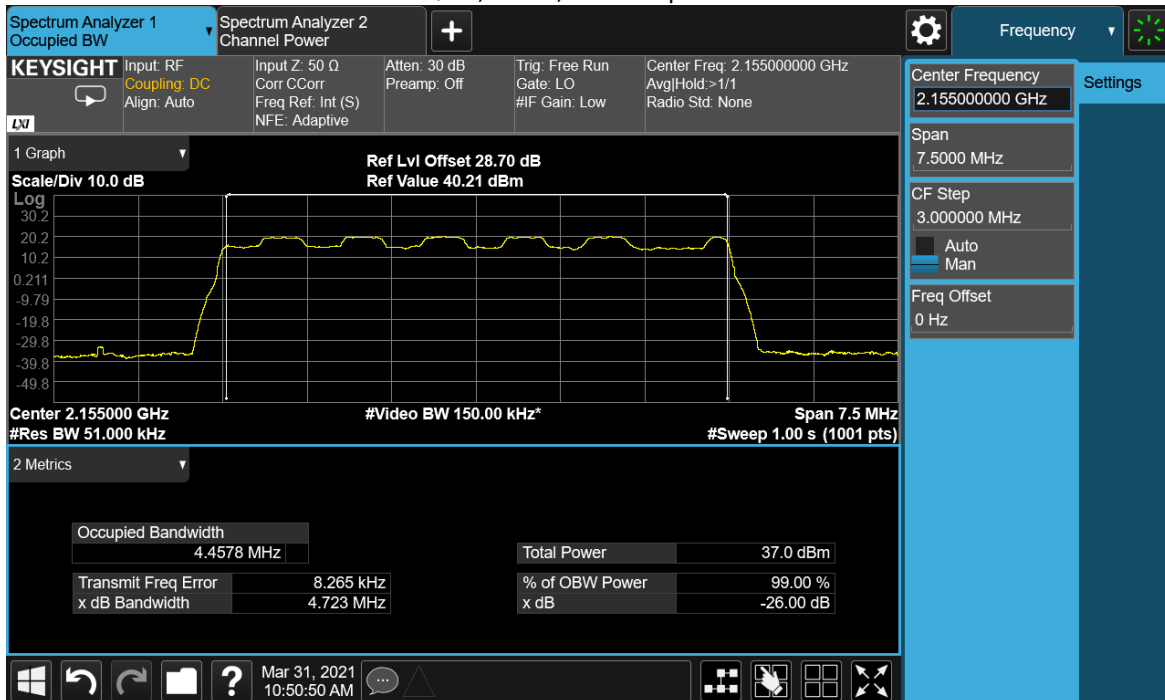
-26dBc Occupied Bandwidth

Antenna Port	Modulation	Bandwidth	Occupied Bandwidth (MHz)		
			Channel Position B	Channel Position M	Channel Position T
B	16QAM	5MHz	4.721	4.723	4.716
B	16QAM	10MHz	9.603	9.602	9.600
B	16QAM	15MHz	14.57	14.57	14.57
B	16QAM	20MHz	19.54	19.55	19.54

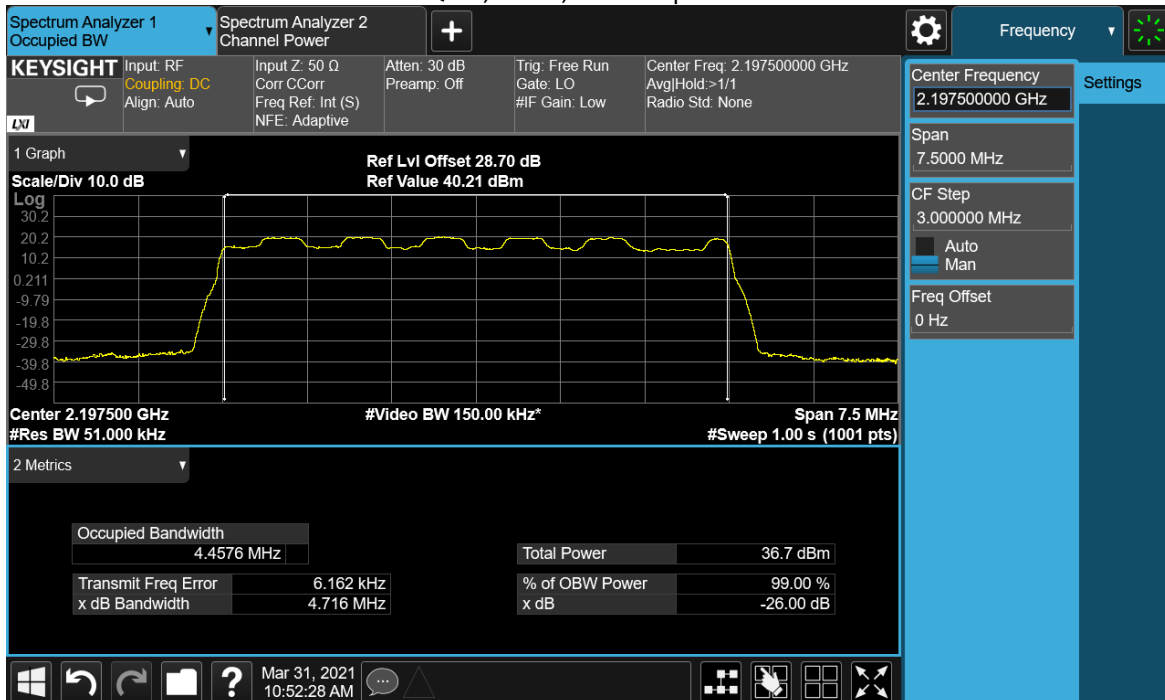
16QAM, 5MHz, Channel position B



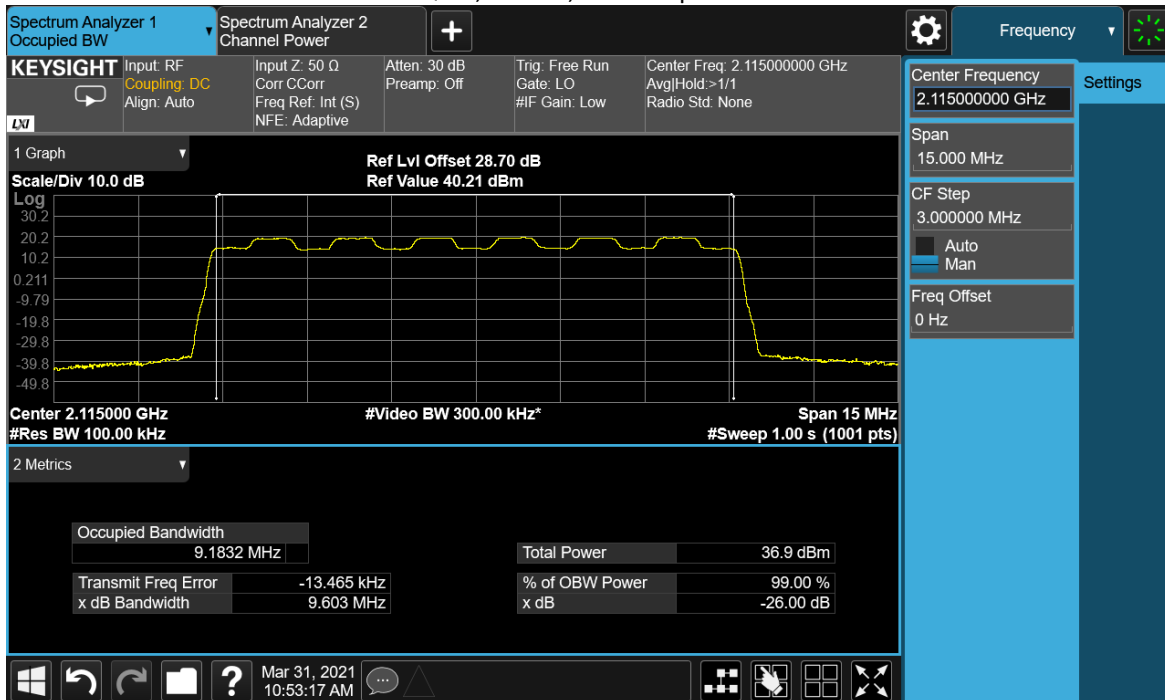
16QAM, 5MHz, Channel position M



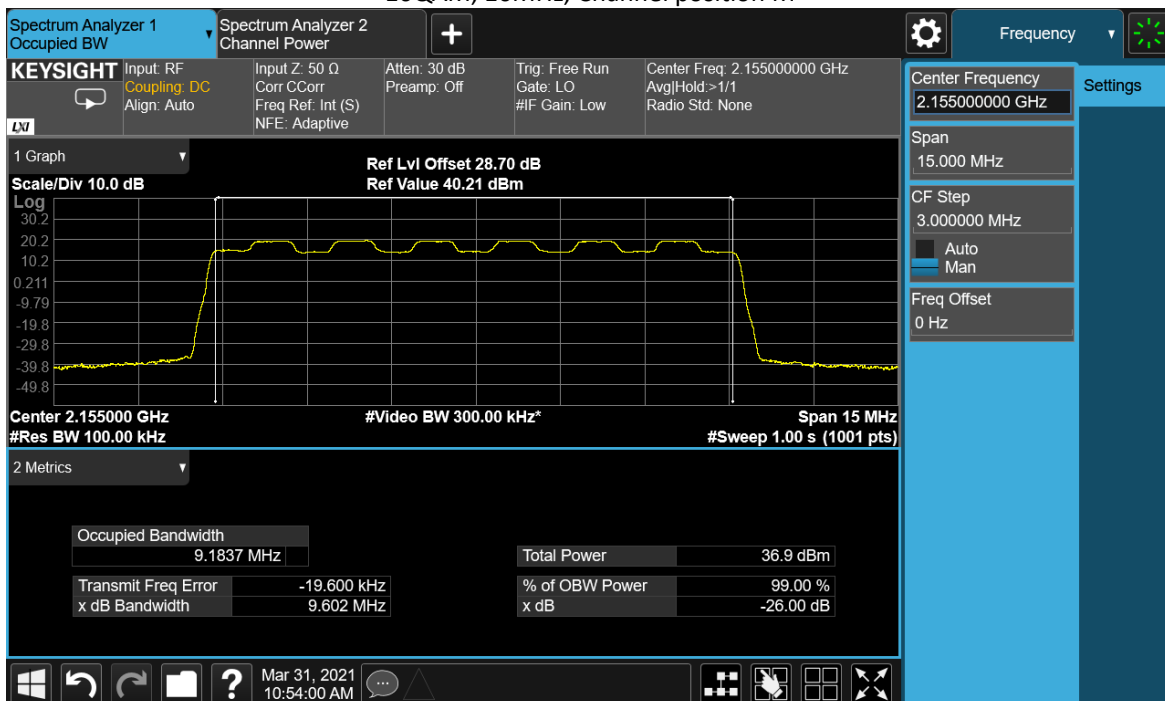
16QAM, 5MHz, Channel position T



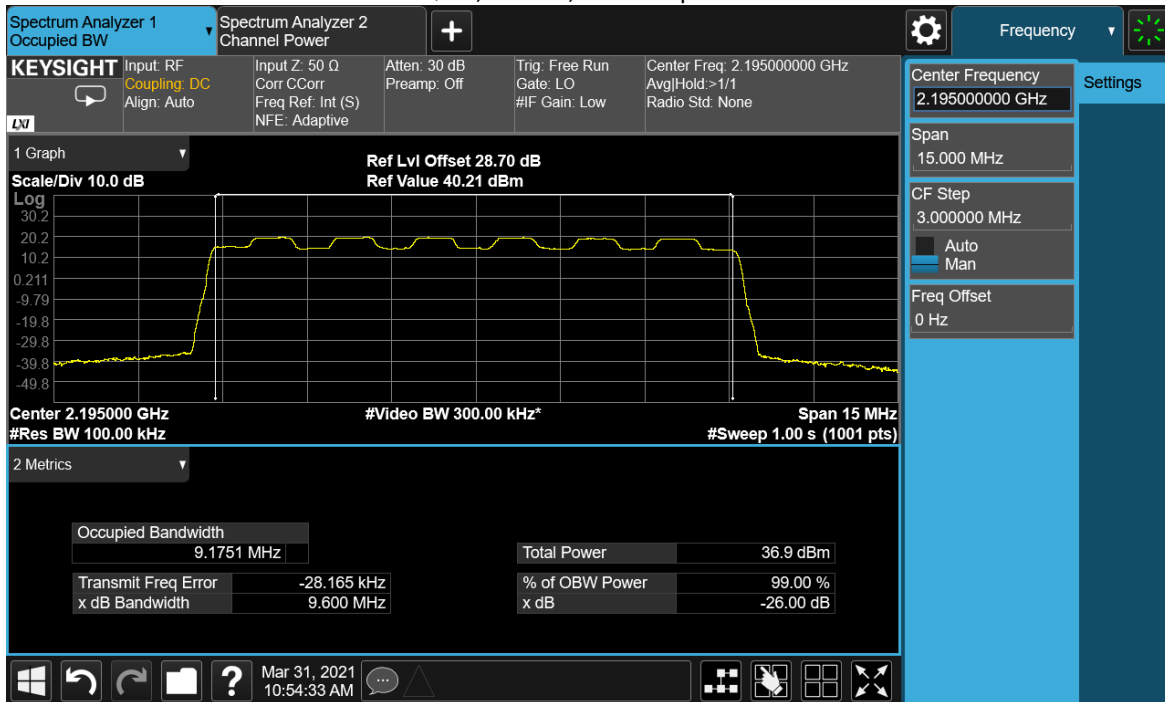
16QAM, 10MHz, Channel position B



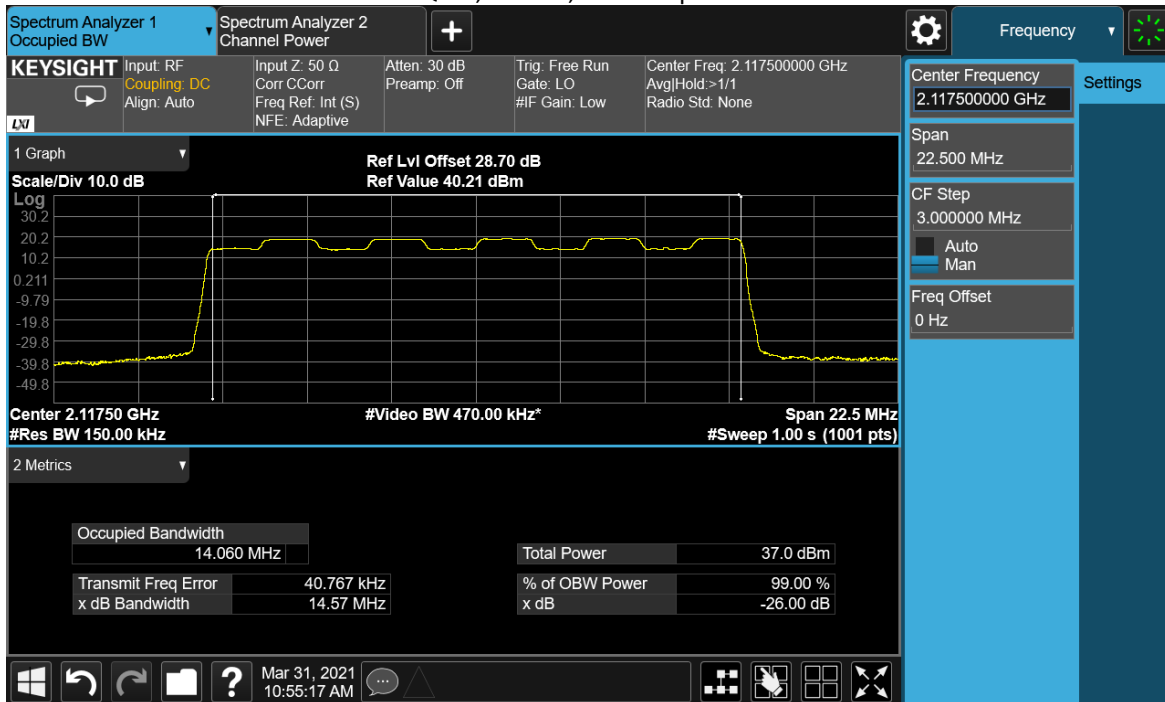
16QAM, 10MHz, Channel position M



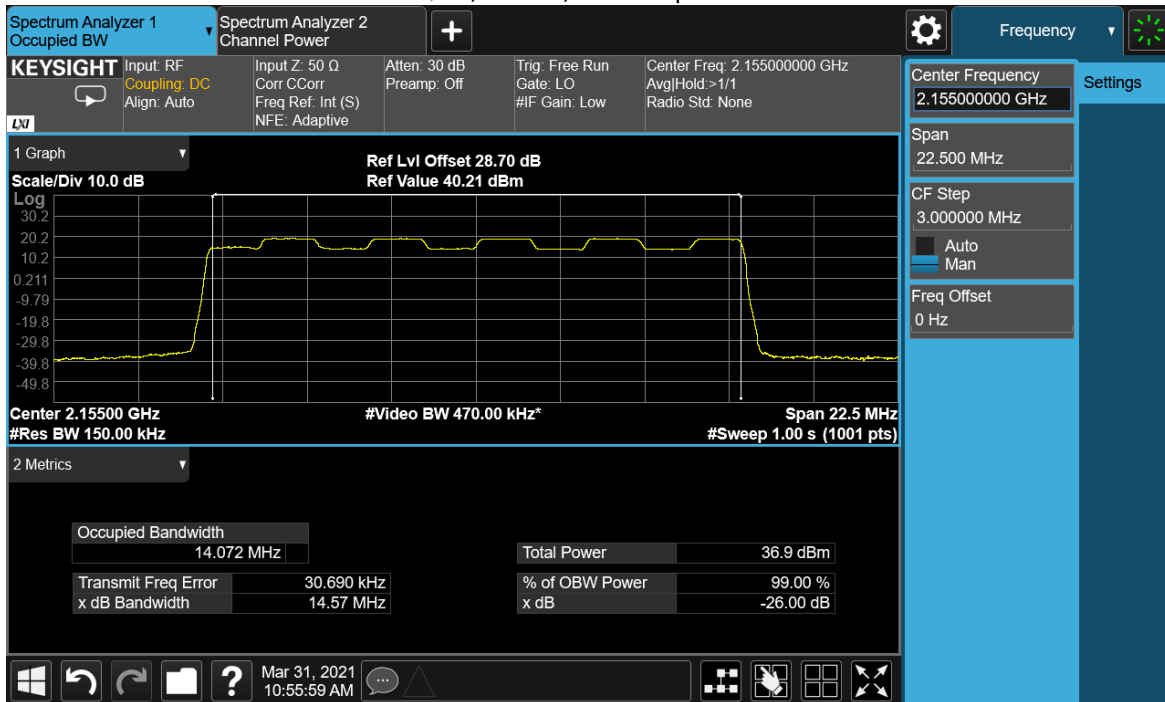
16QAM, 10MHz, Channel position T



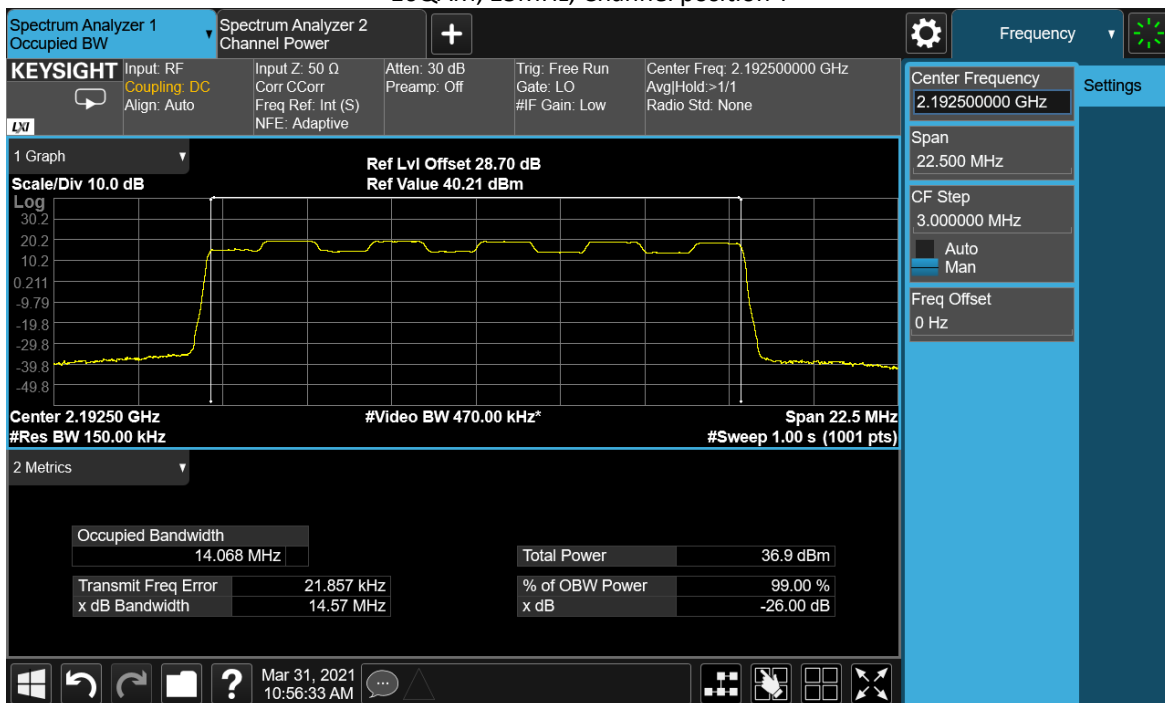
16QAM, 15MHz, Channel position B



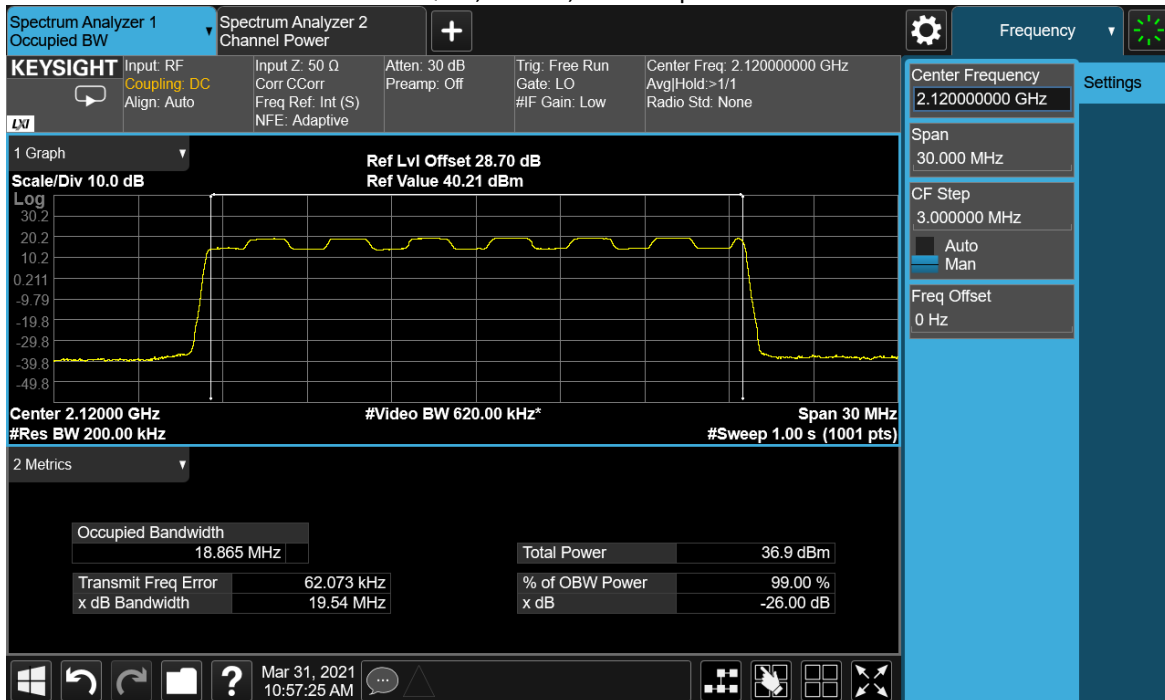
16QAM, 15MHz, Channel position M



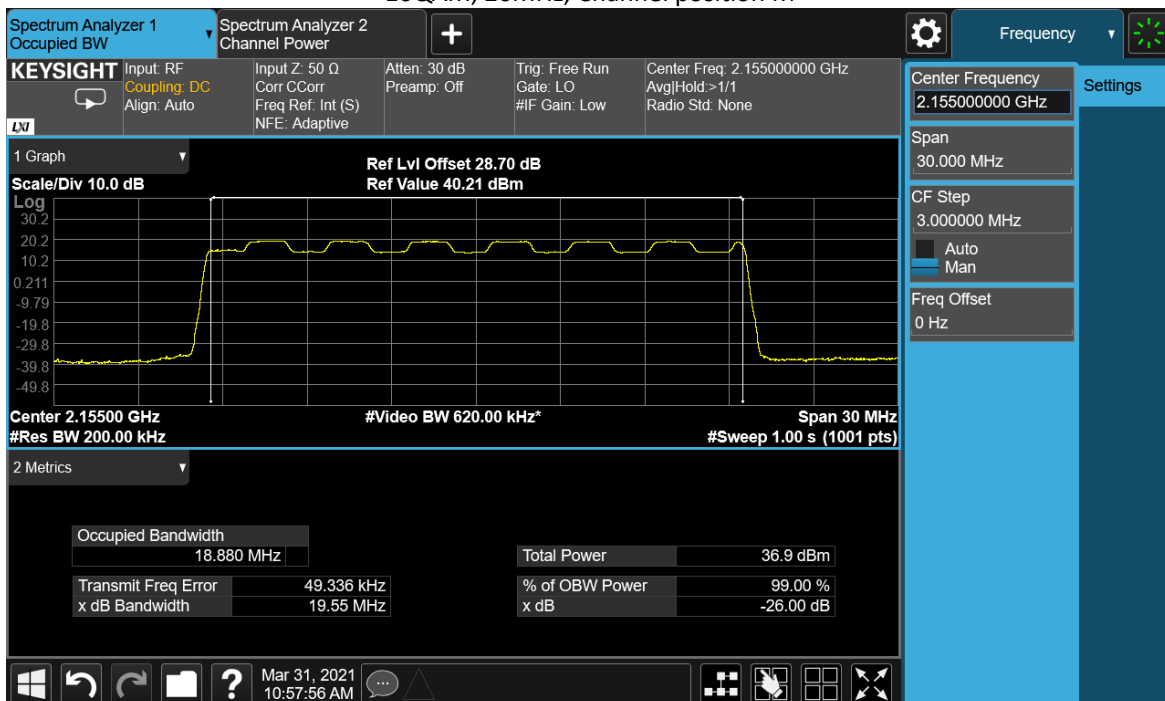
16QAM, 15MHz, Channel position T



16QAM, 20MHz, Channel position B

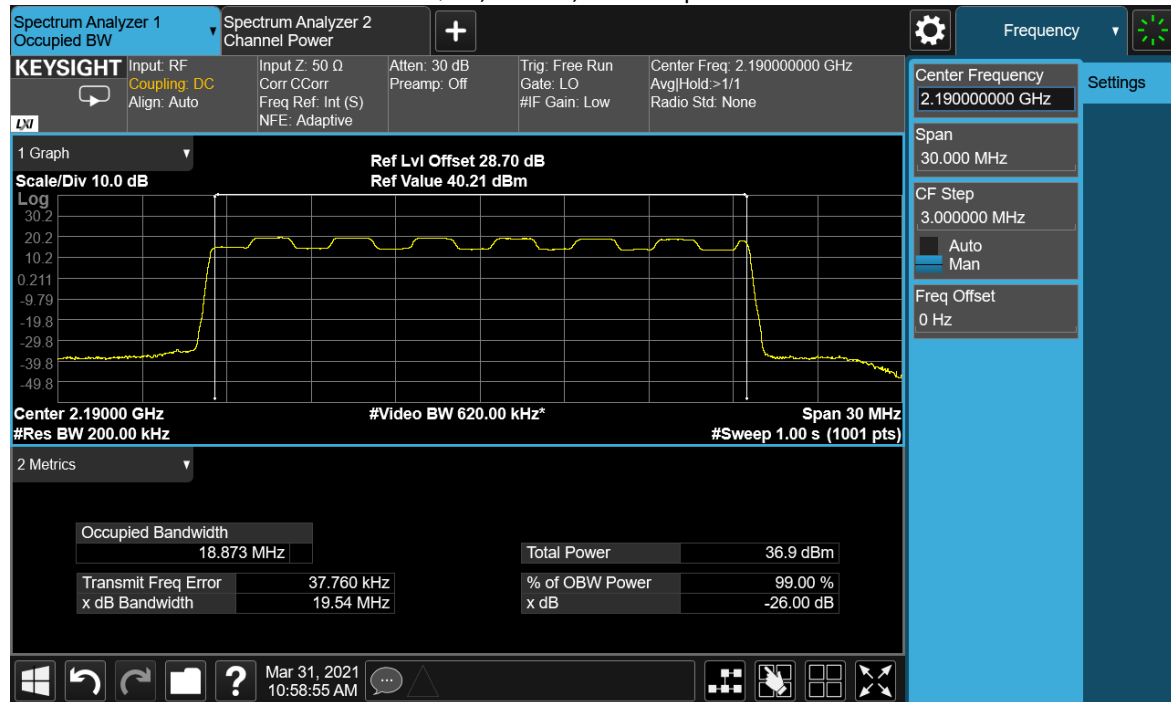


16QAM, 20MHz, Channel position M



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16QAM, 20MHz, Channel position T



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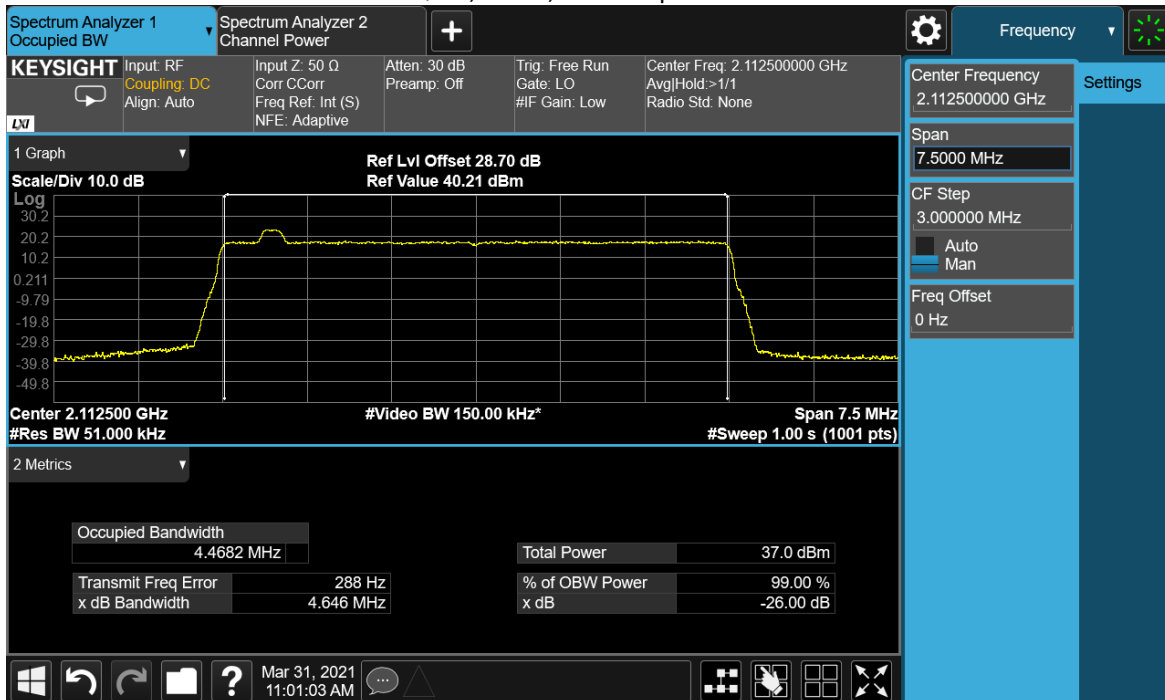
99% Occupied Bandwidth

Antenna Port	Modulation	Bandwidth	Occupied Bandwidth (MHz)		
			Channel Position B	Channel Position M	Channel Position T
B	QPSK	5MHz	4.4682	4.4679	4.4675
B	QPSK	10MHz	8.9348	8.9375	8.9319
B	QPSK	15MHz	13.389	13.388	13.384
B	QPSK	20MHz	17.841	17.848	17.835

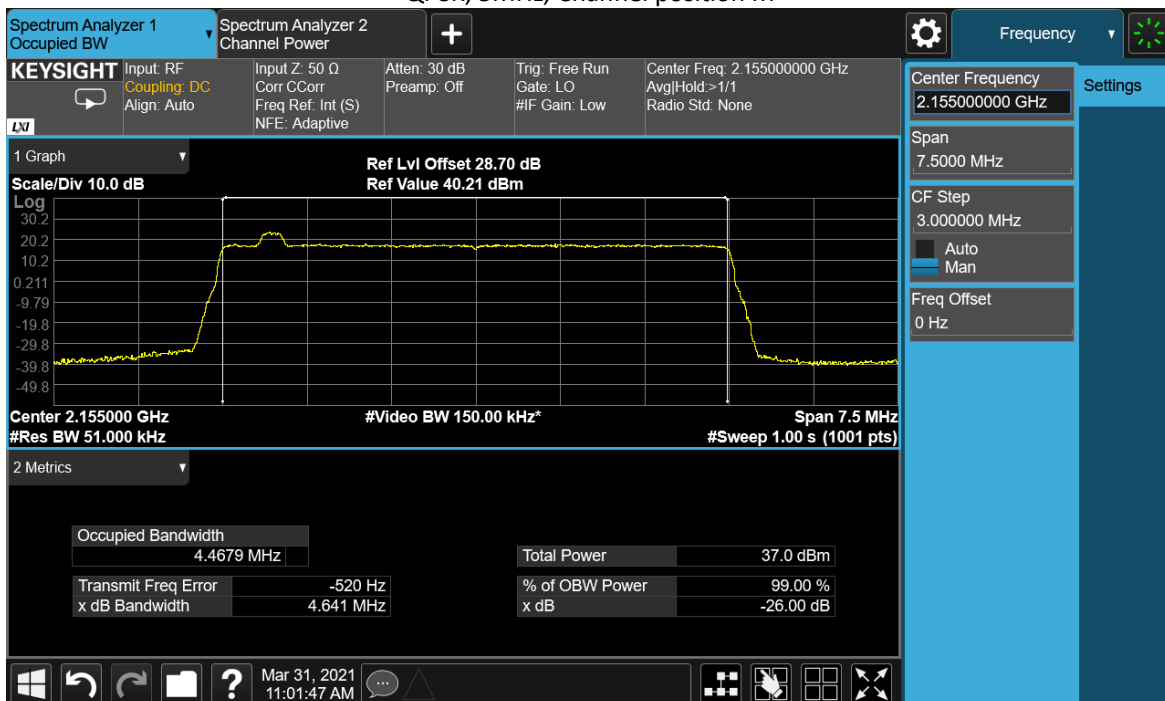
-26dBc Occupied Bandwidth

Antenna Port	Modulation	Bandwidth	Occupied Bandwidth (MHz)		
			Channel Position B	Channel Position M	Channel Position T
B	QPSK	5MHz	4.646	4.641	4.648
B	QPSK	10MHz	9.244	9.264	9.252
B	QPSK	15MHz	13.86	13.85	13.85
B	QPSK	20MHz	18.46	18.46	18.45

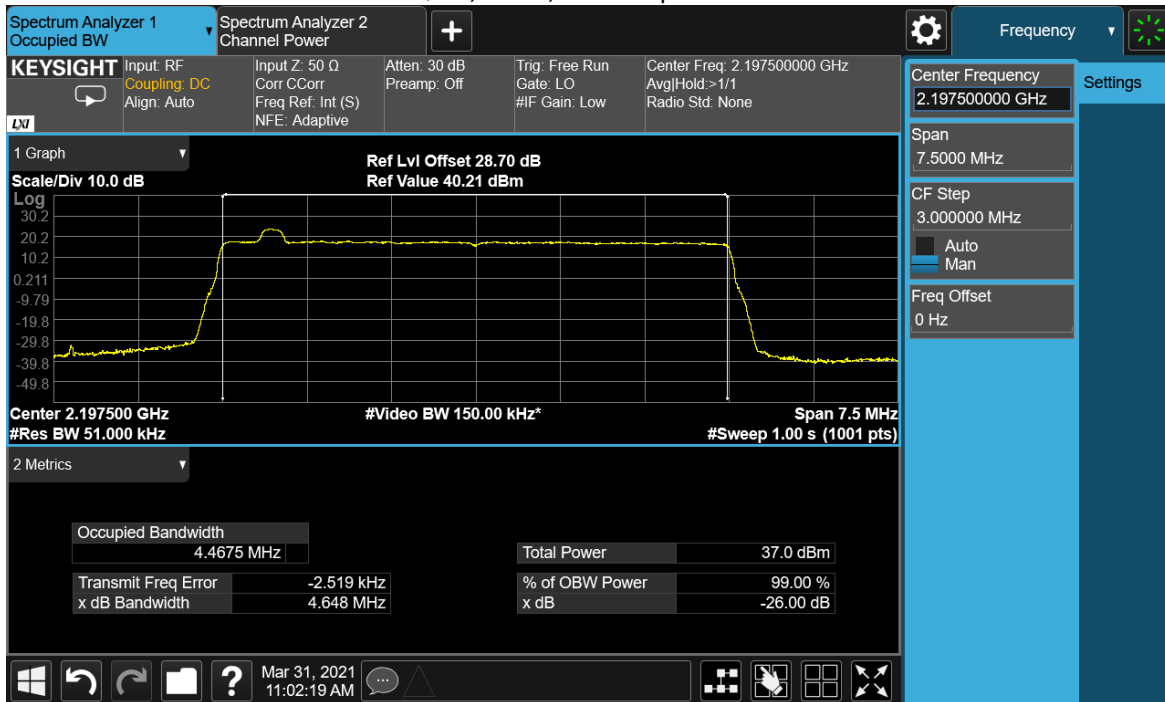
QPSK, 5MHz, Channel position B



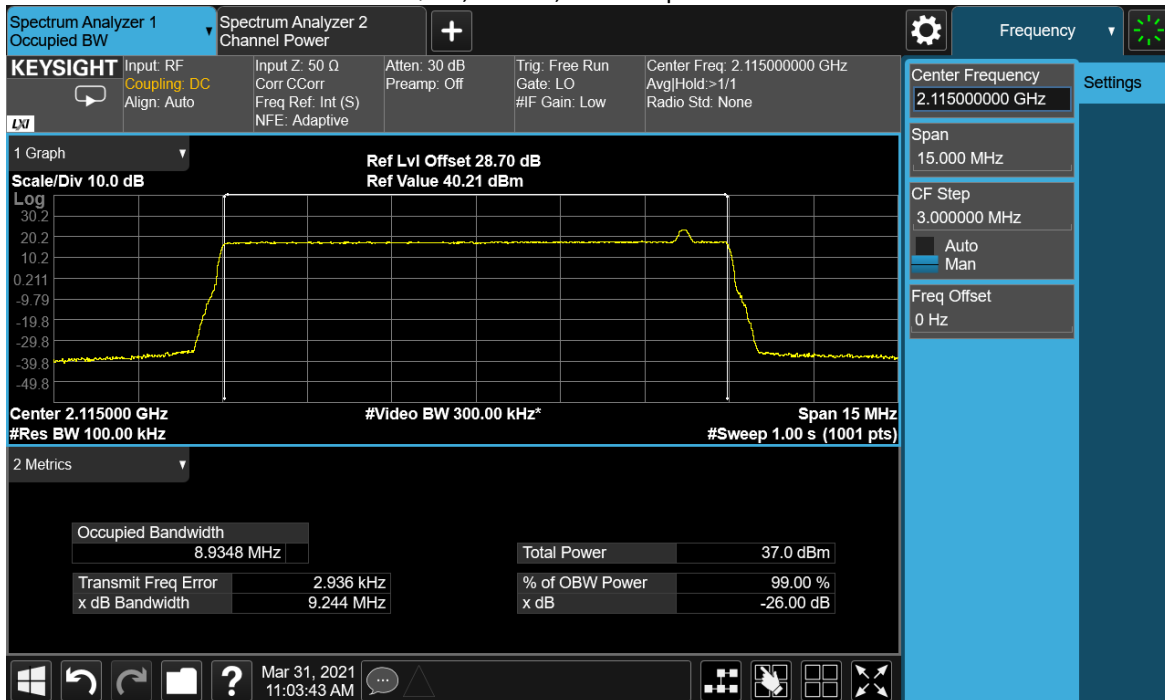
QPSK, 5MHz, Channel position M



QPSK, 5MHz, Channel position T

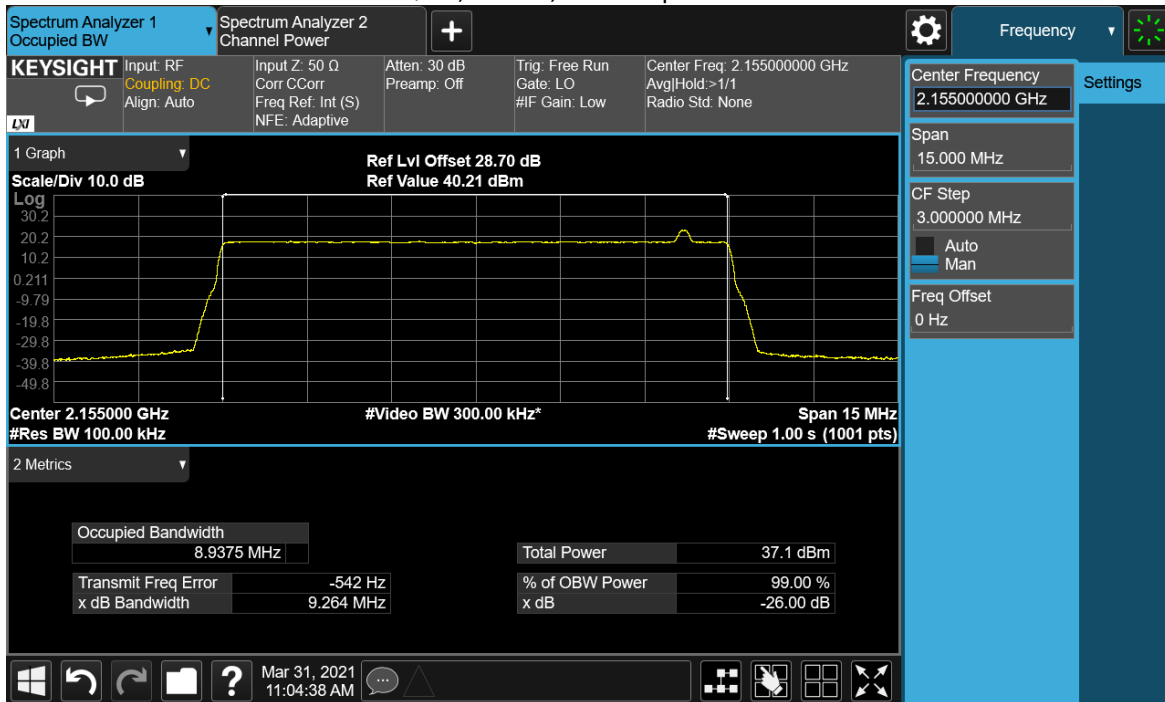


QPSK, 10MHz, Channel position B

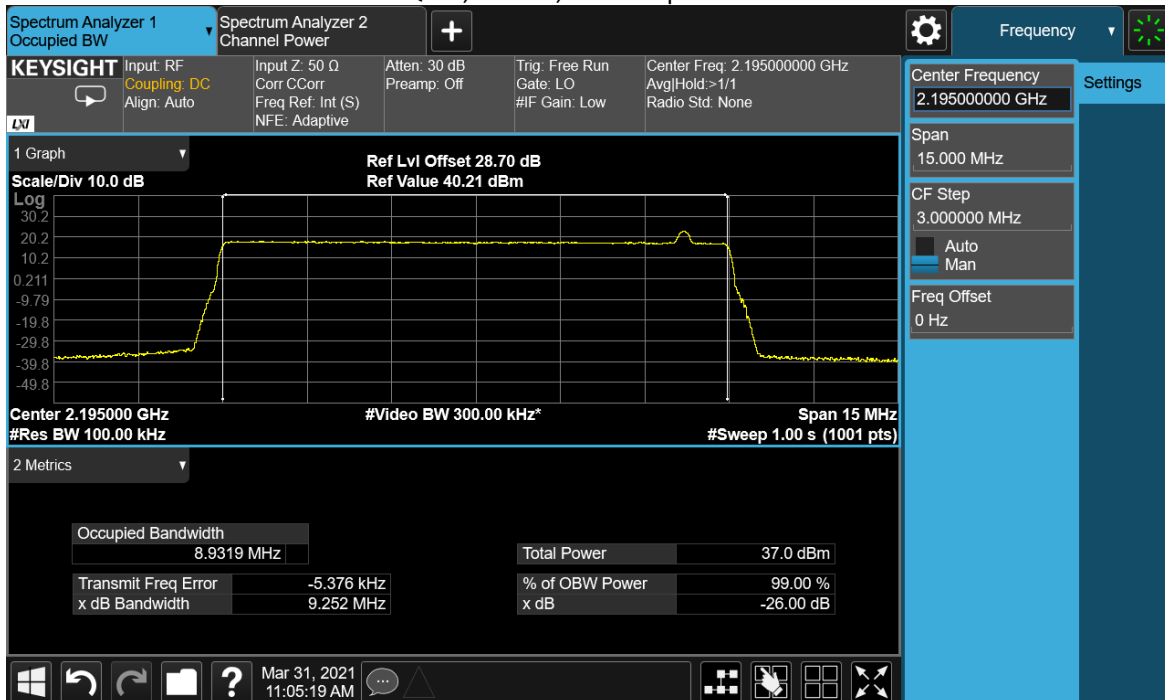


TEST REPORT

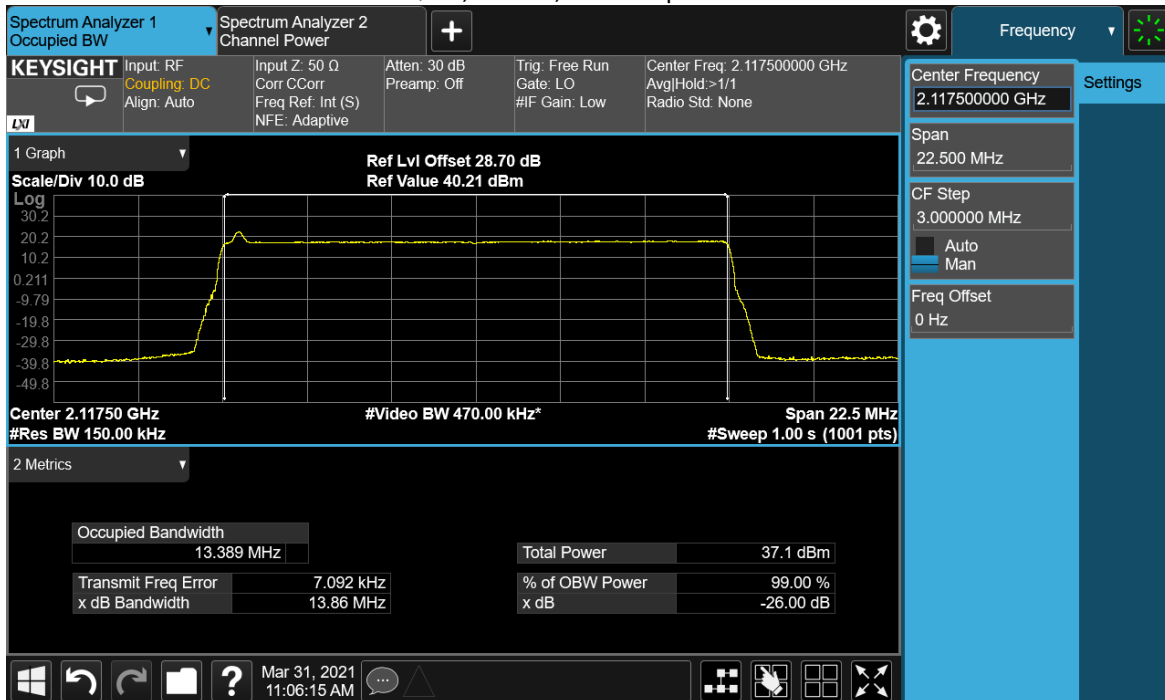
QPSK, 10MHz, Channel position M



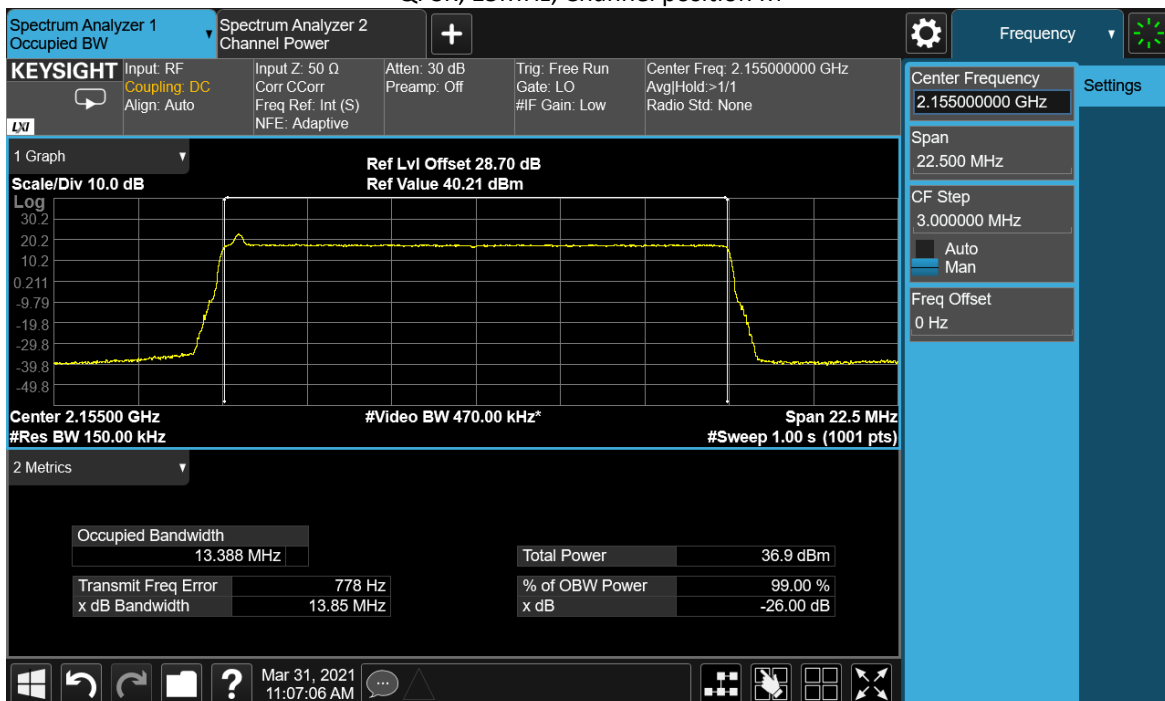
QPSK, 10MHz, Channel position T



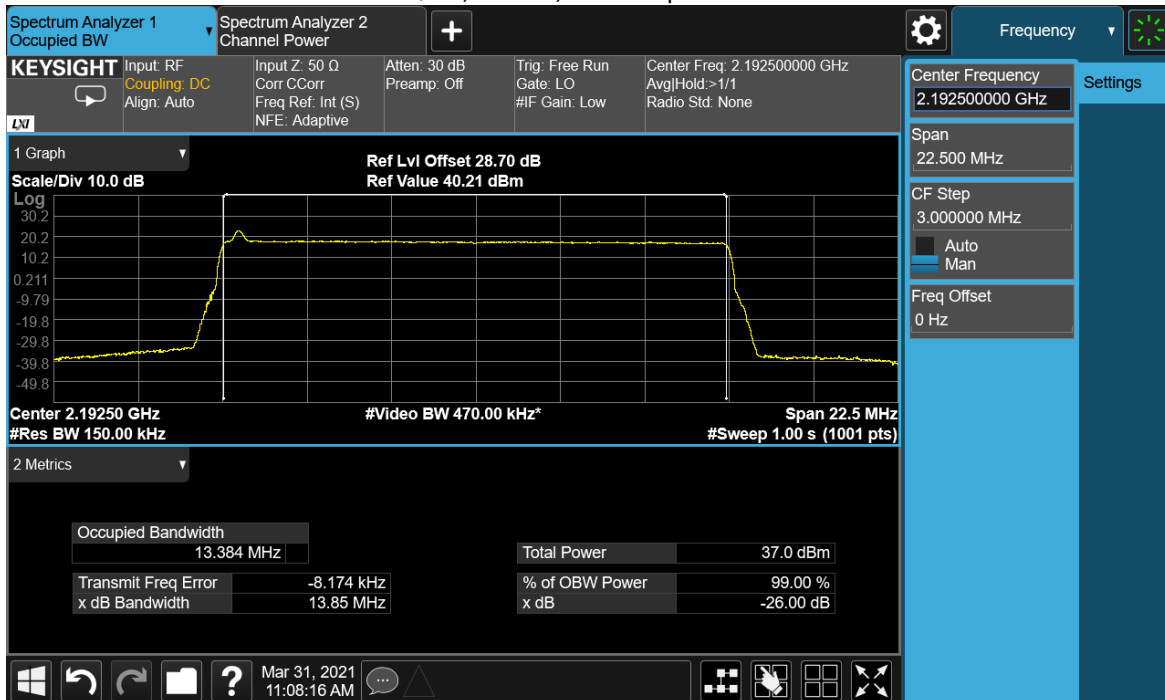
QPSK, 15MHz, Channel position B



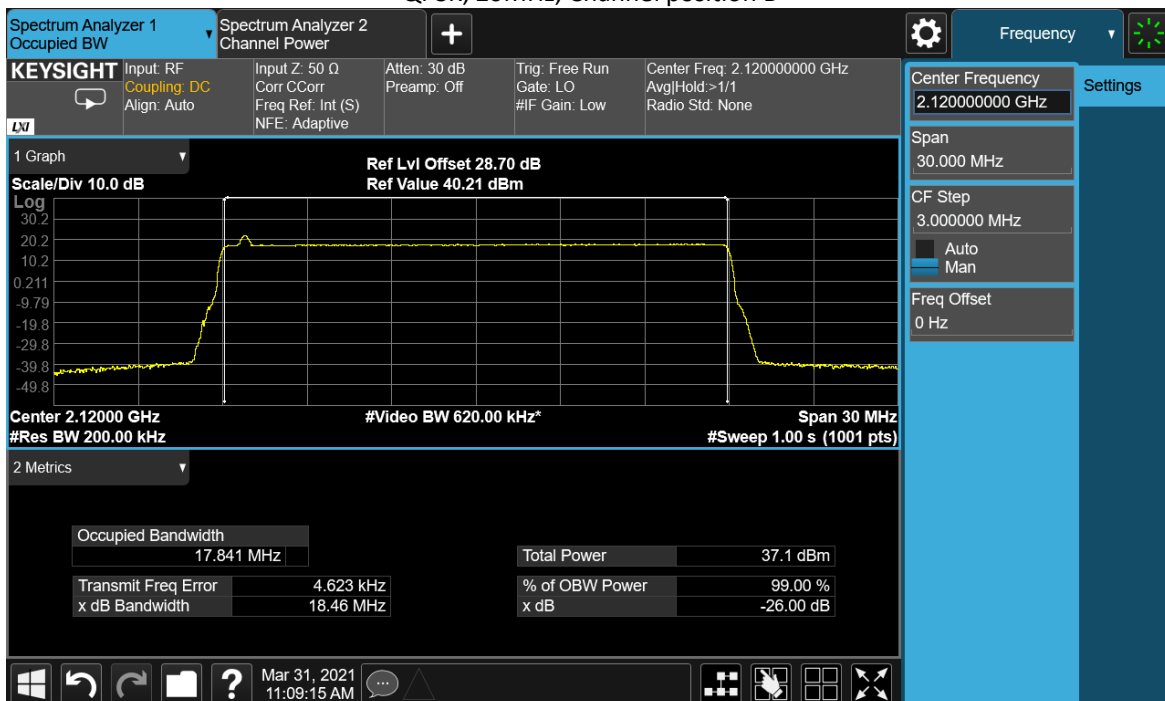
QPSK, 15MHz, Channel position M



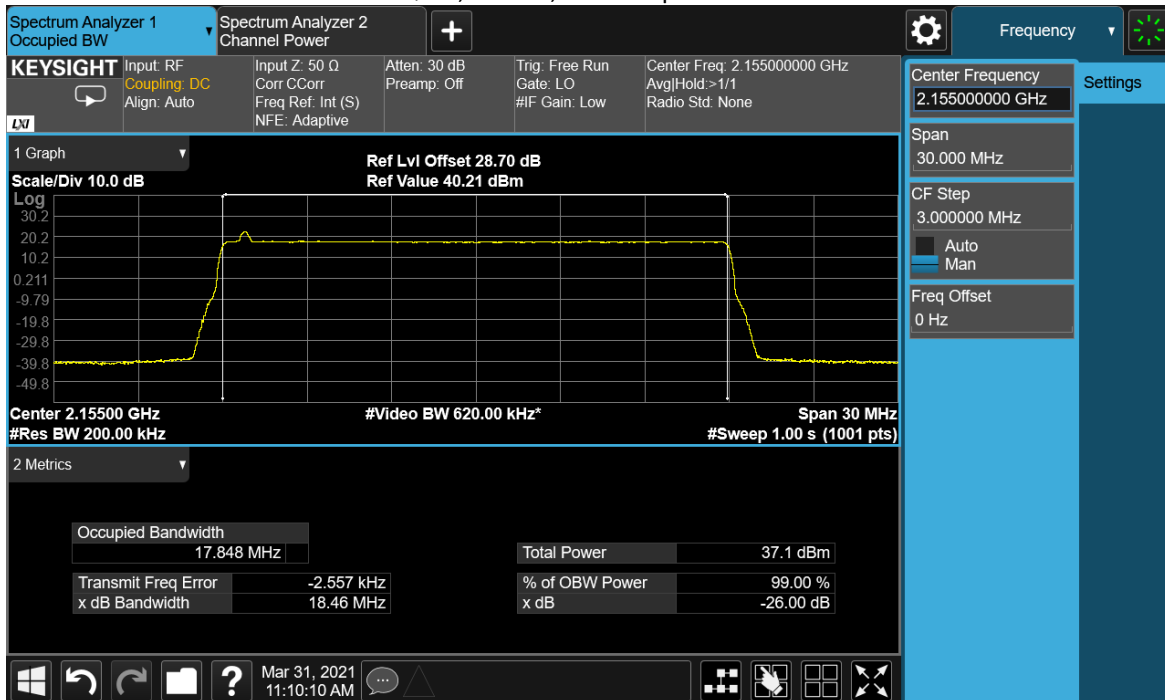
QPSK, 15MHz, Channel position T



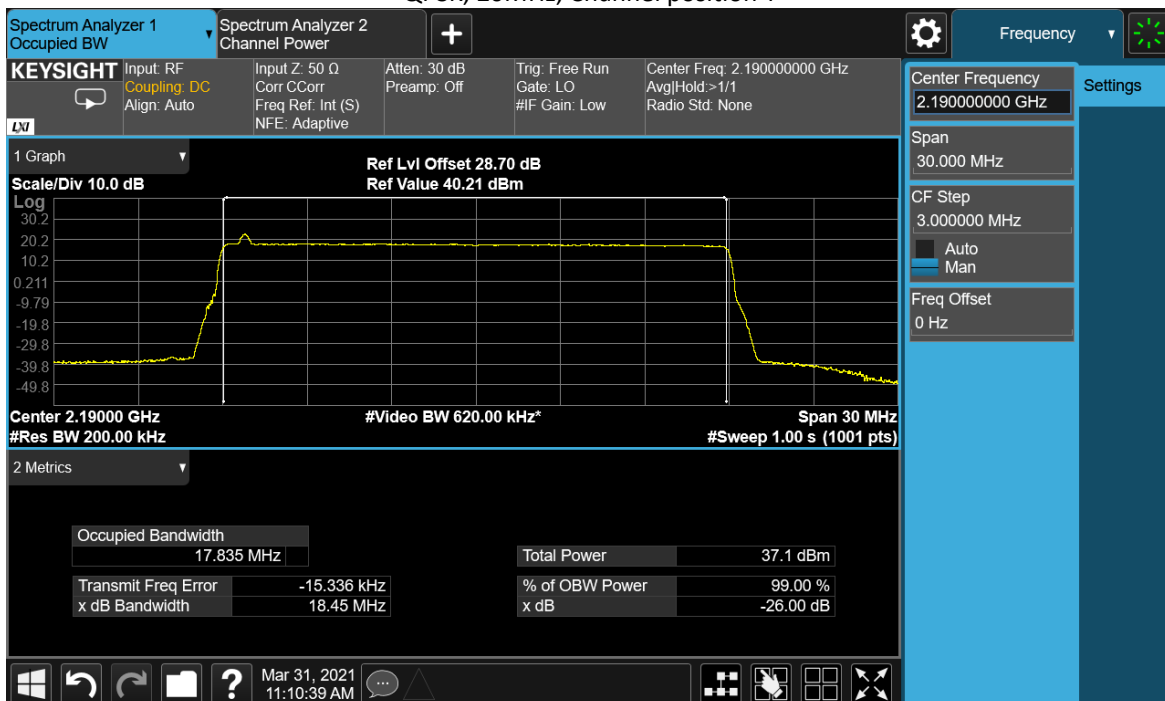
QPSK, 20MHz, Channel position B



QPSK, 20MHz, Channel position M



QPSK, 20MHz, Channel position T



TEST REPORT

NB-GB-1C

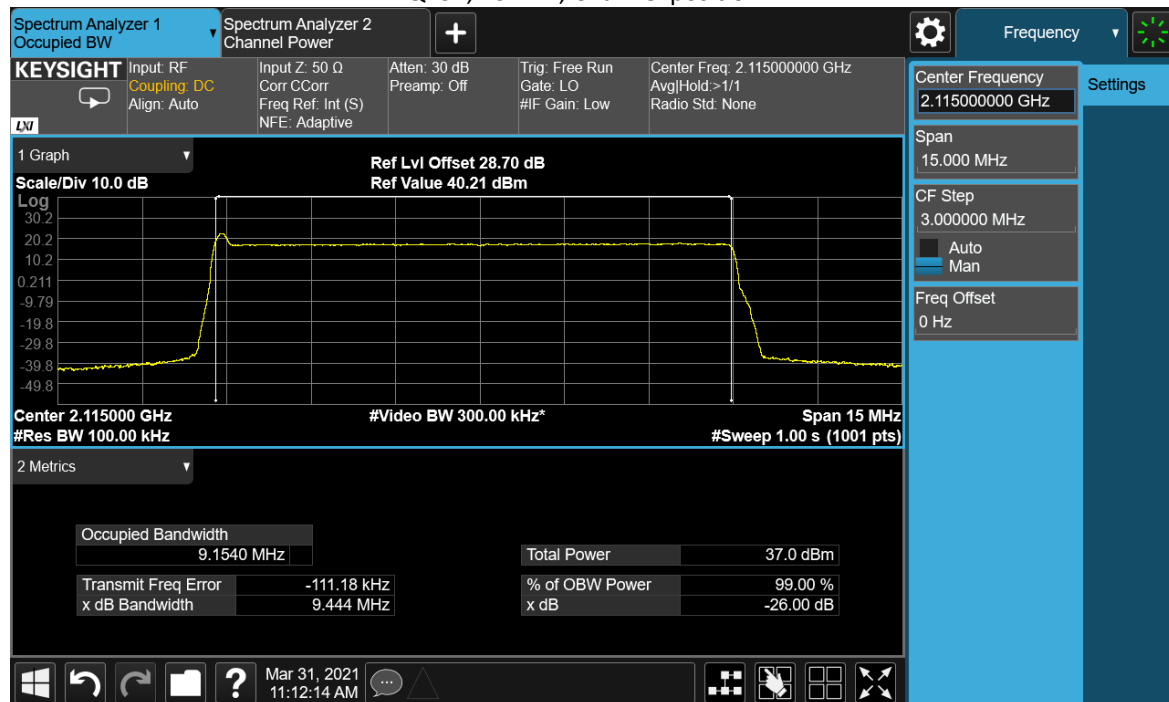
99% Occupied Bandwidth

Antenna Port	Modulation	Bandwidth	Occupied Bandwidth (MHz)		
			Channel Position B	Channel Position M	Channel Position T
B	QPSK	10MHz	9.1540	9.1564	9.1495
B	QPSK	15MHz	13.684	13.684	13.672
B	QPSK	20MHz	18.132	18.137	18.118

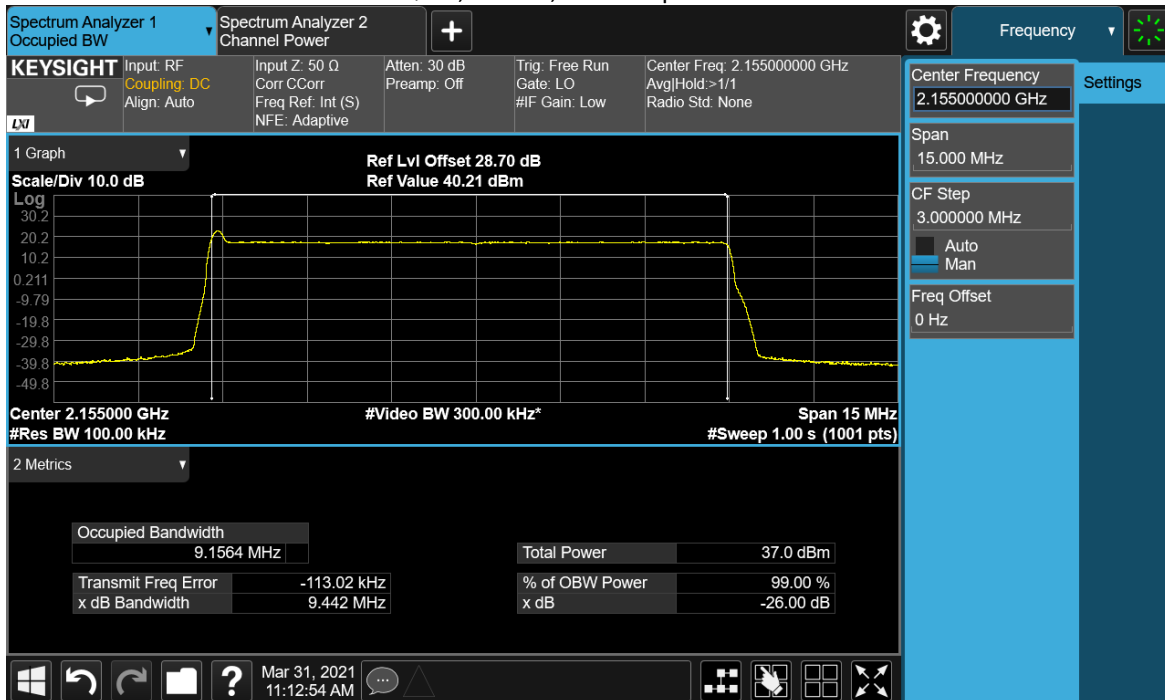
-26dBc Occupied Bandwidth

Antenna Port	Modulation	Bandwidth	Occupied Bandwidth (MHz)		
			Channel Position B	Channel Position M	Channel Position T
B	QPSK	10MHz	9.444	9.442	9.433
B	QPSK	15MHz	14.11	14.10	14.10
B	QPSK	20MHz	18.69	18.69	18.68

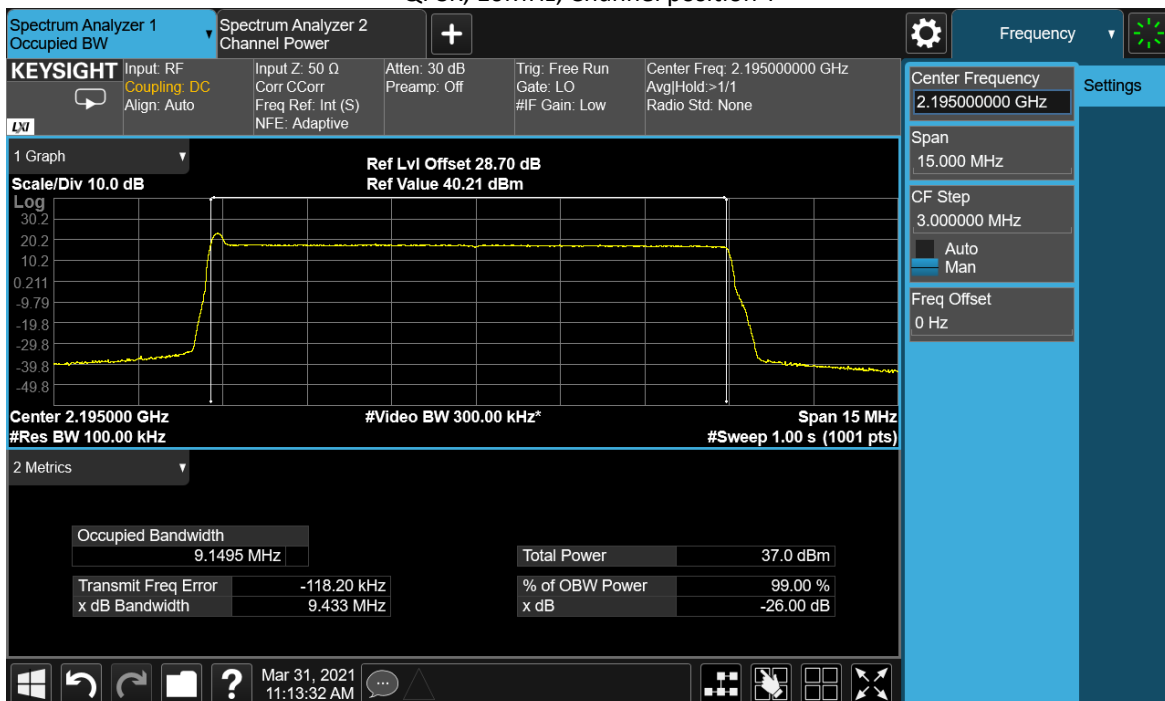
QPSK, 10MHz, Channel position B



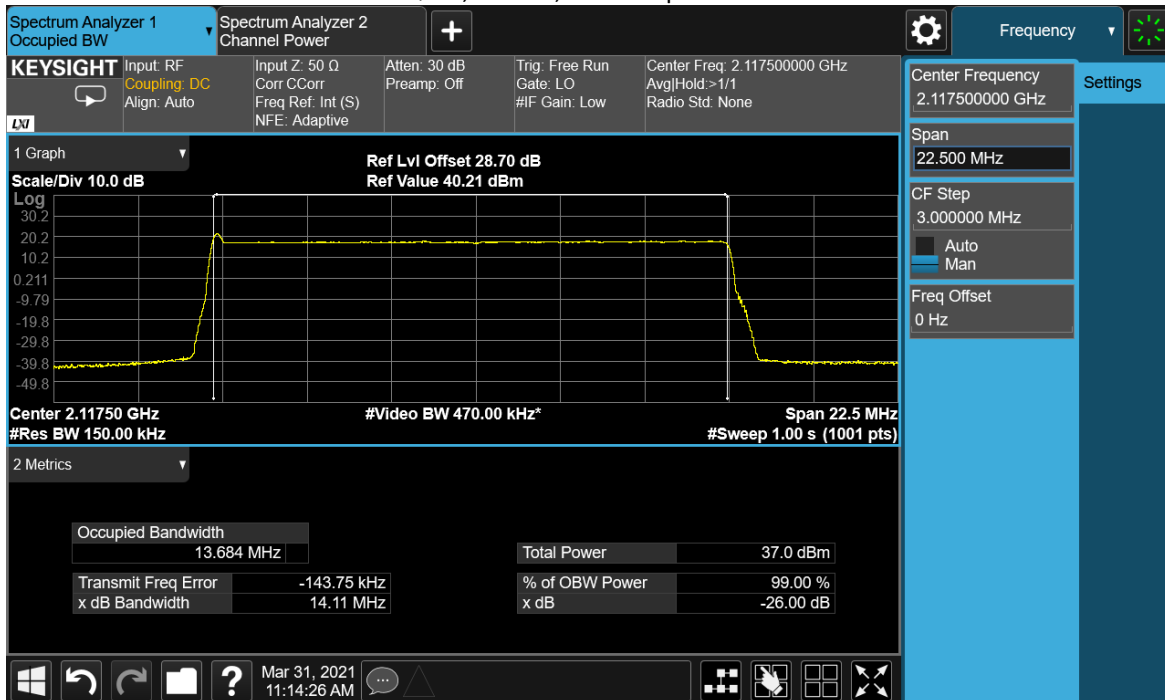
QPSK, 10MHz, Channel position M



QPSK, 10MHz, Channel position T



QPSK, 15MHz, Channel position B



QPSK, 15MHz, Channel position M

