

FCC LTE Test Data

FCC ID: 2AP88-SC01

1. Occupy Bandwidth

NB-IoT Band 2 Bandwidth [kHz]/Standalone								
Modulation	Subcarrier Space (KHz)	RB Configure	Lowest		Middle		Highest	
			99% BW	26dB BW	99% BW	26dB BW	99% BW	26dB BW
BPSK	3.75	1@0	58.527	37.26	59.380	37.55	58.605	36.47
	15	1@0	132.74	129.6	131.9	143.9	133.68	114.6
QPSK	3.75	1@0	59.384	37.65	58.487	37.02	56.015	36.58
	15	1@0	135.60	129.4	133.3	116.9	135.78	127.2
	15	12@0	186.94	310.4	187.25	314.0	188.22	323.6

NB-IoT Band 4 Bandwidth [kHz]/Standalone								
Modulation	Subcarrier Space (KHz)	RB Configure	Lowest		Middle		Highest	
			99% BW	26dB BW	99% BW	26dB BW	99% BW	26dB BW
BPSK	3.75	1@0	61.877	37.82	57.294	37.36	26.020	37.36
	15	1@0	130.61	122.7	132.70	137.8	130.96	116.8
QPSK	3.75	1@0	63.425	37.90	61.034	35.57	59.204	37.74
	15	1@0	134.07	126.9	131.16	125.4	132.67	127.6
	15	12@0	186.04	264.7	186.43	281.8	186.30	267.4

NB-IoT Band 5 Bandwidth [kHz]/Standalone								
Modulation	Subcarrier Space (KHz)	RB Configure	Lowest		Middle		Highest	
			99% BW	26dB BW	99% BW	26dB BW	99% BW	26dB BW
BPSK	3.75	1@0	58.702	36.23	59.040	37.56	58.369	37.41
	15	1@0	131.73	132.1	135.23	129.1	131.20	126.3
QPSK	3.75	1@0	59.161	37.97	60.20	37.49	60.815	37.23
	15	1@0	131.03	126.7	132.79	129.9	128.38	128.6
	15	12@0	190.59	368.3	188.79	305.7	187.93	317.7

NB-IoT Band 12 Bandwidth [kHz]/Standalone								
Modulation	Subcarrier Space (KHz)	RB Configure	Lowest		Middle		Highest	
			99% BW	26dB BW	99% BW	26dB BW	99% BW	26dB BW
BPSK	3.75	1@0	58.970	39.15	57.669	38.54	57.626	38.54
	15	1@0	130.34	126.3	134.49	126.3	133.98	126.6
QPSK	3.75	1@0	58.974	39.20	62.198	40.99	67.628	42.04
	15	1@0	138.61	140.0	146.34	155.9	138.95	144.7
	15	12@0	186.66	275.1	186.77	274.3	186.95	261.5

NB-IoT Band 13 Bandwidth [kHz]/Standalone								
Modulation	Subcarrier Space (KHz)	RB Configure	Lowest		Middle		Highest	
			99% BW	26dB BW	99% BW	26dB BW	99% BW	26dB BW
BPSK	3.75	1@0	59.360	39.20	57.088	38.98	58.954	38.54
	15	1@0	137.96	128.2	131.21	124.8	133.24	126.7
QPSK	3.75	1@0	67.496	41.80	68.387	41.81	60.519	39.03
	15	1@0	137.98	128.6	138.60	128.7	138.05	129.0
	15	12@0	187.00	300.4	188.00	313.9	187.46	282.6

NB-IoT Band 17 Bandwidth [kHz]/Standalone								
Modulation	Subcarrier Space (KHz)	RB Configure	Lowest		Middle		Highest	
			99% BW	26dB BW	99% BW	26dB BW	99% BW	26dB BW
BPSK	3.75	1@0	58.511	38.96	59.525	38.96	59.062	38.82
	15	1@0	134.77	117.6	133.04	128.1	134.57	131.9
QPSK	3.75	1@0	67.497	42.58	67.772	43.80	666.705	43.40
	15	1@0	141.79	145.3	143.04	144.0	135.62	131.0
	15	12@0	185.09	288.6	186.88	275.6	185.50	275.0

NB-IoT Band 26 Bandwidth [kHz]/Standalone								
Modulation	Subcarrier Space (KHz)	RB Configure	Lowest		Middle		Highest	
			99% BW	26dB BW	99% BW	26dB BW	99% BW	26dB BW
BPSK	3.75	1@0	59.751	36.99	61.184	37.35	63.685	38.09
	15	1@0	128.33	129.5	131.63	130.5	130.64	128.6
QPSK	3.75	1@0	63.697	41.60	69.410	43.97	64.823	38.25
	15	1@0	131.61	128.9	138.25	143.4	134.10	132.1
	15	12@0	190.74	371.3	188.23	340.3	187.36	319.1

NB-IoT Band 66 Bandwidth [kHz]/Standalone								
Modulation	Subcarrier Space (KHz)	RB Configure	Lowest		Middle		Highest	
			99% BW	26dB BW	99% BW	26dB BW	99% BW	26dB BW
BPSK	3.75	1@0	62.190	38.03	61.678	37.47	62.692	38.35
	15	1@0	134.79	129.9	134.96	138.8	136.43	133.8
QPSK	3.75	1@0	62.033	37.63	63.216	37.44	70.264	43.52
	15	1@0	133.99	131.3	132.71	116.8	124.91	128.9
	15	12@0	185.31	312.5	186.00	283.6	185.22	285.5

26dB Bandwidth and Occupied Bandwidth

Band 2

Band 2_3.75KHz_1#0_BPSK_Low



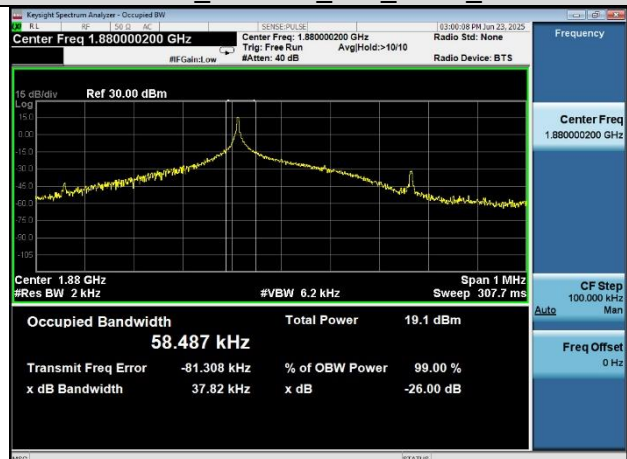
Band 2_3.75KHz_1#0_QPSK_Low



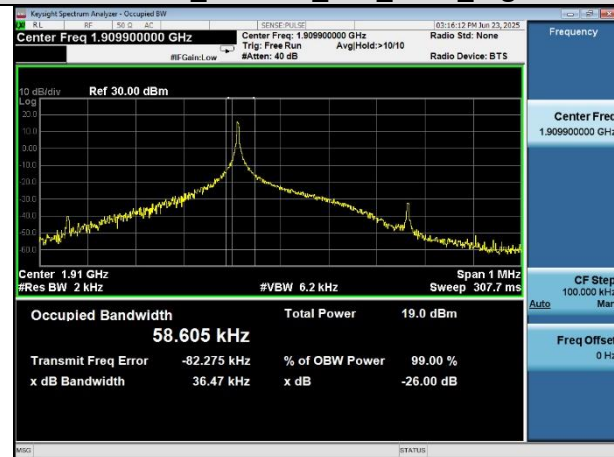
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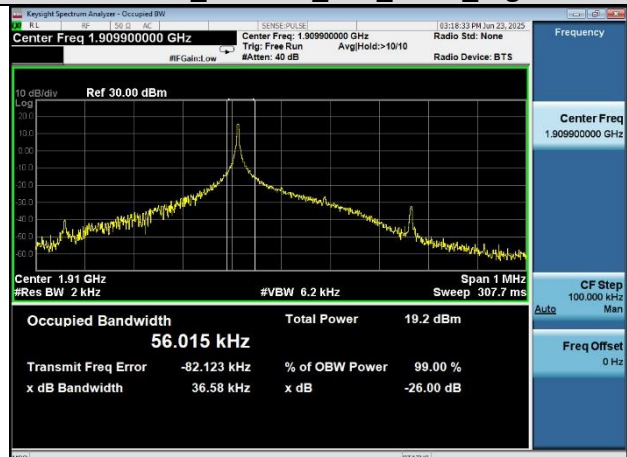
Band 2_3.75KHz_1#0_QPSK_Mid



Band 2_3.75KHz_1#0_BPSK_High



Band 2_3.75KHz_1#0_QPSK_High



Band 2

Band 2_15KHz_1#0_BPSK_Low



Band 2_15KHz_1#0_QPSK_Low



Band 2_15KHz_1#0_BPSK_Mid



Band 2_15KHz_1#0_QPSK_Mid



Band 2_15KHz_1#0_BPSK_High



Band 2_15KHz_1#0_QPSK_High



Band 2

Band 2_15KHz_12#0_QPSK_Low



Band 2_15KHz_12#0_QPSK_Mid



Band 2_15KHz_12#0_QPSK_High

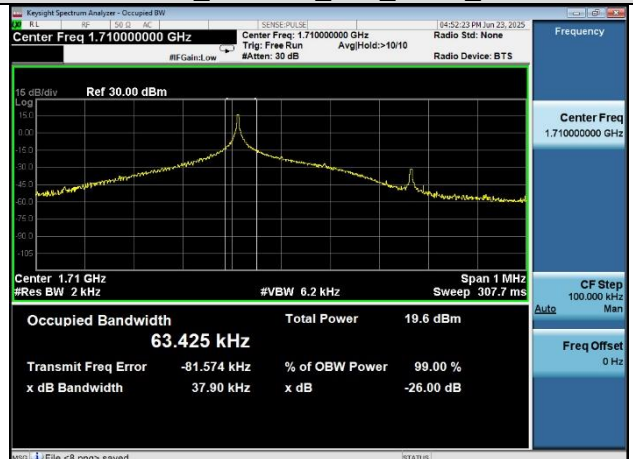


Band 4

Band 4_3.75KHz_1#0_BPSK_Low



Band 4_3.75KHz_1#0_QPSK_Low



Band 4_3.75KHz_1#0_BPSK_Mid



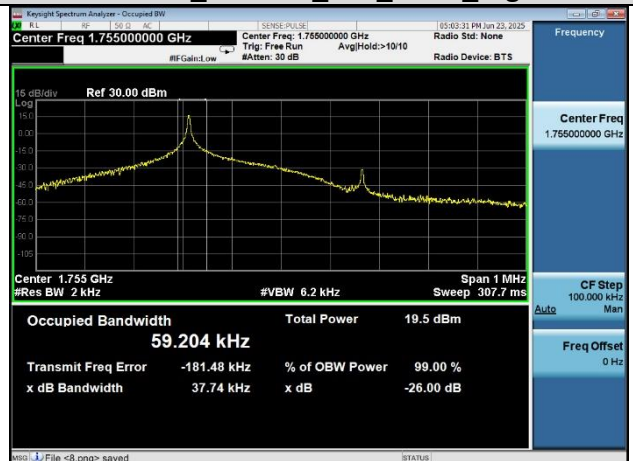
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Band 4_3.75KHz_1#0_BPSK_High



Band 4_3.75KHz_1#0_QPSK_High



Band 4

Band 4_15KHz_1#0_BPSK_Low



Band 4_15KHz_1#0_QPSK_Low



Band 4_15KHz_1#0_BPSK_Mid



Band 4_15KHz_1#0_QPSK_Mid



Band 4_15KHz_1#0_BPSK_High



Band 4_15KHz_1#0_QPSK_High



Band 4

Band 4_15KHz_12#0_QPSK_Low



Band 4_15KHz_12#0_QPSK_Mid

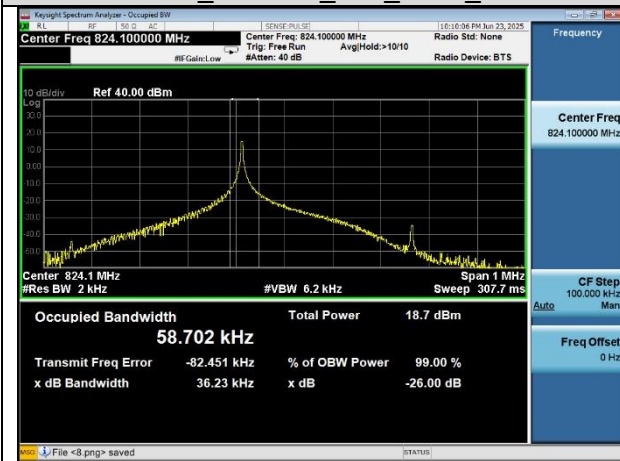


Band 4_15KHz_12#0_QPSK_High



Band 5

Band 5_3.75KHz_1#0_BPSK_Low



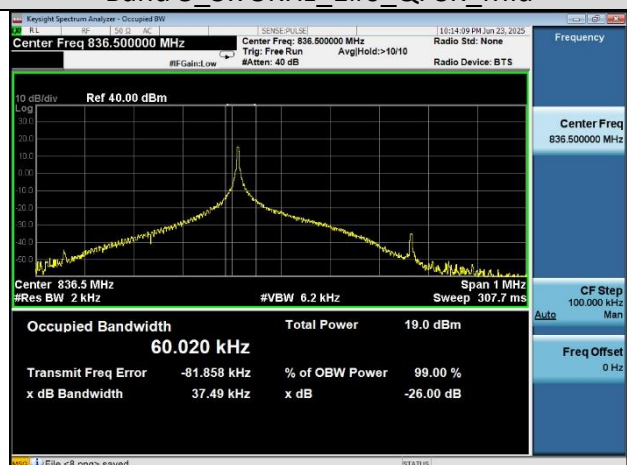
Band 5_3.75KHz_1#0_QPSK_Low



Band 5_3.75KHz_1#0_BPSK_Mid



Band 5_3.75KHz_1#0_QPSK_Mid



Band 5_3.75KHz_1#0_BPSK_High

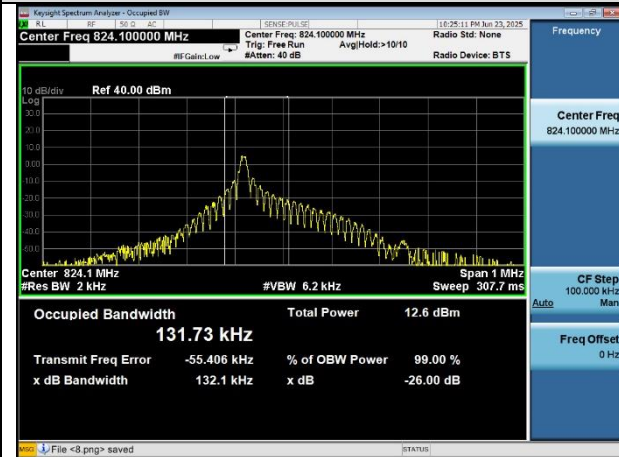


Band 5_3.75KHz_1#0_QPSK_High



Band 5

Band 5_15KHz_1#0_BPSK_Low



Band 5_15KHz_1#0_QPSK_Low



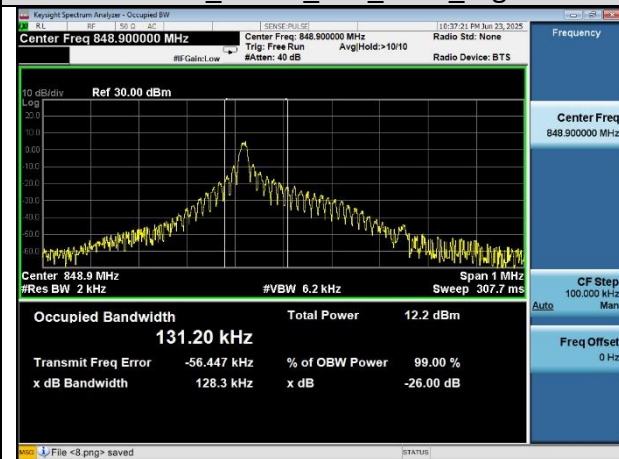
Band 5_15KHz_1#0_BPSK_Mid



Band 5_15KHz_1#0_QPSK_Mid



Band 5_15KHz_1#0_BPSK_High



Band 5_15KHz_1#0_QPSK_High



Band 5

Band 5_15KHz_12#0_QPSK_Low



Band 5_15KHz_12#0_QPSK_Mid



Band 5_15KHz_12#0_QPSK_High

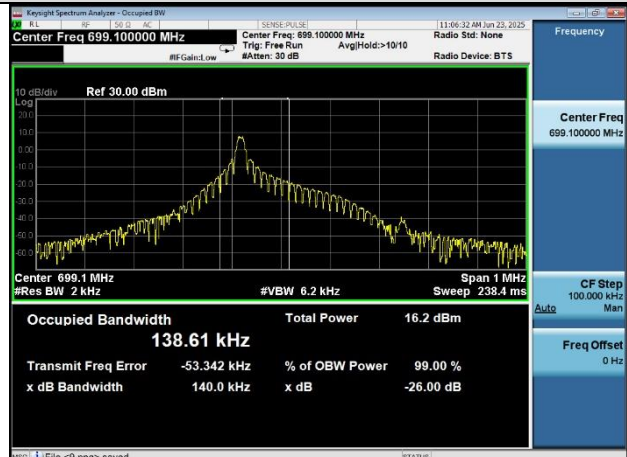


Band 12

Band 12_15KHz_1#0_BPSK_Low



Band 12_15KHz_1#0_QPSK_Low



Band 12_15KHz_1#0_BPSK_Mid



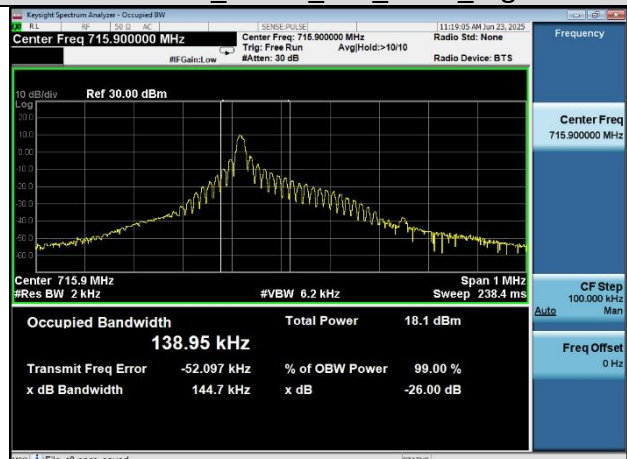
Band 12_15KHz_1#0_QPSK_Mid



Band 12_15KHz_1#0_BPSK_High



Band 12_15KHz_1#0_QPSK_High



Band 12

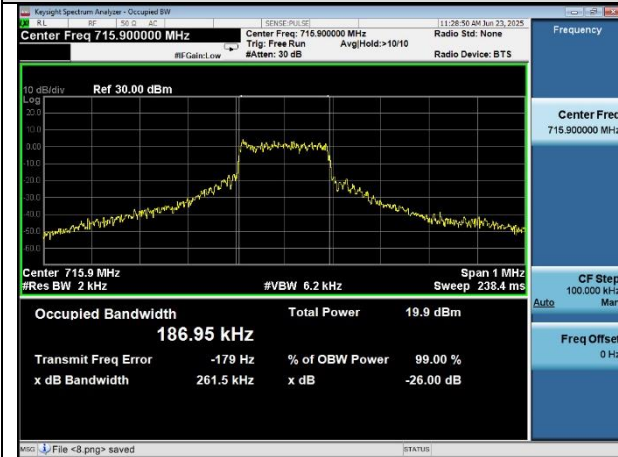
Band 12_15KHz_12#0_QPSK_Low



Band 12_15KHz_12#0_QPSK_Mid

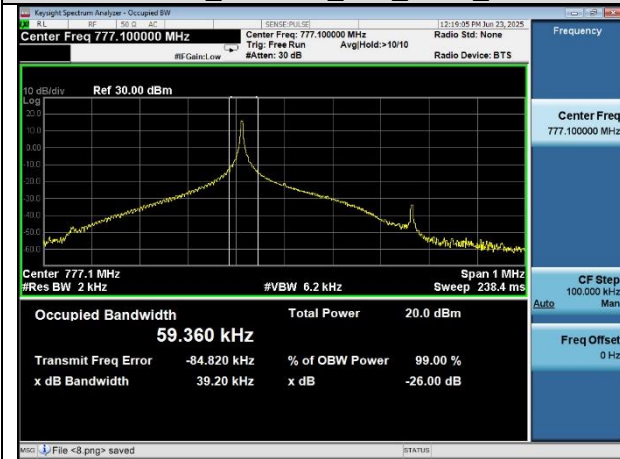


Band 12_15KHz_12#0_QPSK_High



Band 13

Band 13_3.75KHz_1#0_BPSK_Low



Band 13_3.75KHz_1#0_QPSK_Low



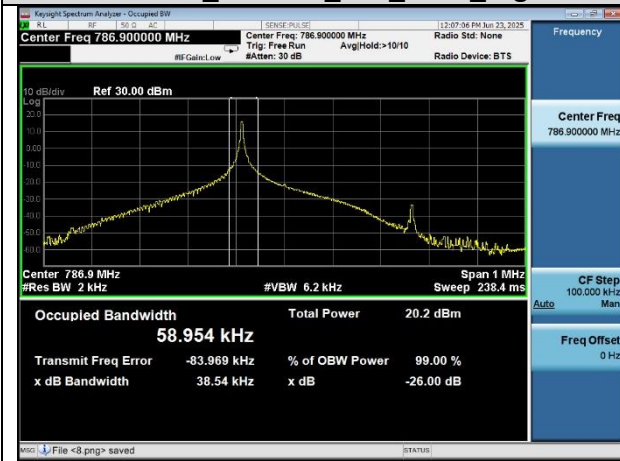
Band 13_3.75KHz_1#0_BPSK_Mid



Band 13_3.75KHz_1#0_QPSK_Mid



Band 13_3.75KHz_1#0_BPSK_High



Band 13_3.75KHz_1#0_QPSK_High

