

LTE Cat NB Appendix-Bandwidth

LTE Band 2					
SCS	Modulation	Test Item	Test result(KHz)		
			LCH	MCH	HCH
3.75 KHz	QPSK	OBW	53.257	49.133	50.244
		26dB bandwidth	37.65	34.10	33.97
	BPSK	OBW	51.491	51.449	53.384
		26dB bandwidth	34.01	37.32	37.23
SCS	Modulation	Test Item	Test result(KHz)		
15 KHz	QPSK	OBW	186.05	183.53	184.40
		26dB bandwidth	248.4	238.1	253.9
	BPSK	OBW	124.97	120.24	126.65
		26dB bandwidth	101.3	116.3	116.6

LTE Band 4					
SCS	Modulation	Test Item	Test result(KHz)		
			LCH	MCH	HCH
3.75 KHz	QPSK	OBW	50.287	46.360	48.439
		26dB bandwidth	37.36	30.89	33.48
	BPSK	OBW	51.455	51.541	53.445
		26dB bandwidth	37.54	37.39	37.30
SCS	Modulation	Test Item	Test result(KHz)		
15 KHz	QPSK	OBW	183.59	184.65	184.69
		26dB bandwidth	247.1	250.1	240.1
	BPSK	OBW	118.47	120.36	126.53
		26dB bandwidth	115.6	115.8	116.7

LTE Band 5					
SCS	Modulation	Test Item	Test result(KHz)		
			LCH	MCH	HCH
3.75 KHz	QPSK	OBW	45.324	50.162	51.019
		26dB bandwidth	30.53	37.38	37.01
	BPSK	OBW	51.307	51.361	52.186
		26dB bandwidth	37.42	37.53	36.84
SCS	Modulation	Test Item	Test result(KHz)		
15 KHz	QPSK	OBW	184.83	182.98	184.02
		26dB bandwidth	237.6	248.5	252.4
	BPSK	OBW	119.28	119.53	125.09
		26dB bandwidth	116.7	116.5	117.7

LTE Band 12					
SCS	Modulation	Test Item	Test result(KHz)		
			LCH	MCH	HCH
3.75 KHz	QPSK	OBW	48.593	49.863	55.371
		26dB bandwidth	34.24	37.55	44.34
	BPSK	OBW	51.314	51.315	51.744
		26dB bandwidth	37.53	36.45	37.12
SCS	Modulation	Test Item	Test result(KHz)		
15 KHz	QPSK	OBW	184.86	184.86	184.77
		26dB bandwidth	241.5	238.5	250.0
	BPSK	OBW	119.51	119.21	122.67
		26dB bandwidth	116.8	116.3	127.8

LTE Band 13					
SCS	Modulation	Test Item	Test result(KHz)		
			LCH	MCH	HCH
3.75 KHz	QPSK	OBW	48.657	46.80	50.759
		26dB bandwidth	33.76	30.25	36.74
	BPSK	OBW	51.321	51.288	51.641
		26dB bandwidth	37.03	37.48	34.02
SCS	Modulation	Test Item	Test result(KHz)		
15 KHz	QPSK	OBW	183.82	186.00	183.44
		26dB bandwidth	250.8	241.0	249.8
	BPSK	OBW	118.87	119.10	121.40
		26dB bandwidth	116.5	127.9	116.7

LTE Band 19					
SCS	Modulation	Test Item	Test result(KHz)		
			LCH	MCH	HCH
3.75 KHz	QPSK	OBW	48.647	45.923	45.361
		26dB bandwidth	30.64	30.40	27.27
	BPSK	OBW	51.379	51.344	52.062
		26dB bandwidth	37.54	37.50	36.85
SCS	Modulation	Test Item	Test result(KHz)		
15 KHz	QPSK	OBW	182.67	184.12	183.83
		26dB bandwidth	248.4	253.2	258.9
	BPSK	OBW	119.04	119.25	123.75
		26dB bandwidth	116.9	114.0	117.6

LTE Band 25					
SCS	Modulation	Test Item	Test result(KHz)		
			LCH	MCH	HCH
3.75 KHz	QPSK	OBW	47.189	48.675	50.646
		26dB bandwidth	30.73	33.75	34.03
	BPSK	OBW	51.434	51.395	53.421
		26dB bandwidth	37.43	37.70	40.76
SCS	Modulation	Test Item	Test result(KHz)		
15 KHz	QPSK	OBW	183.69	185.51	184.71
		26dB bandwidth	239.1	253.7	247.5
	BPSK	OBW	123.77	120.19	126.12
		26dB bandwidth	115.6	116.4	117.3

LTE Band 26a					
SCS	Modulation	Test Item	Test result(KHz)		
			LCH	MCH	HCH
3.75 KHz	QPSK	OBW	49.112	45.299	48.87
		26dB bandwidth	33.74	30.12	33.60
	BPSK	OBW	51.352	51.470	51.866
		26dB bandwidth	37.64	37.50	37.24
SCS	Modulation	Test Item	Test result(KHz)		
15 KHz	QPSK	OBW	183.71	184.59	185.83
		26dB bandwidth	249.7	249.7	248.1
	BPSK	OBW	119.57	119.22	122.46
		26dB bandwidth	116.4	116.8	116.8

LTE Band 26b					
SCS	Modulation	Test Item	Test result(KHz)		
			LCH	MCH	HCH
3.75 KHz	QPSK	OBW	45.980	49.718	49.051
		26dB bandwidth	30.28	37.05	33.39
	BPSK	OBW	51.511	51.309	52.209
		26dB bandwidth	33.74	37.54	36.73
SCS	Modulation	Test Item	Test result(KHz)		
15 KHz	QPSK	OBW	184.55	184.77	185.40
		26dB bandwidth	251.2	244.3	243.1
	BPSK	OBW	119.08	119.01	124.76
		26dB bandwidth	128.3	113.3	117.8

LTE Band 66					
SCS	Modulation	Test Item	Test result(KHz)		
			LCH	MCH	HCH
3.75 KHz	QPSK	OBW	50.713	49.446	52.979
		26dB bandwidth	37.62	34.30	40.65
	BPSK	OBW	51.626	51.508	53.286
		26dB bandwidth	37.53	34.12	36.97
SCS	Modulation	Test Item	Test result(KHz)		
15 KHz	QPSK	OBW	183.54	184.88	183.62
		26dB bandwidth	248.2	241.4	249.0
	BPSK	OBW	118.38	123.14	126.39
		26dB bandwidth	116.3	115.2	115.8

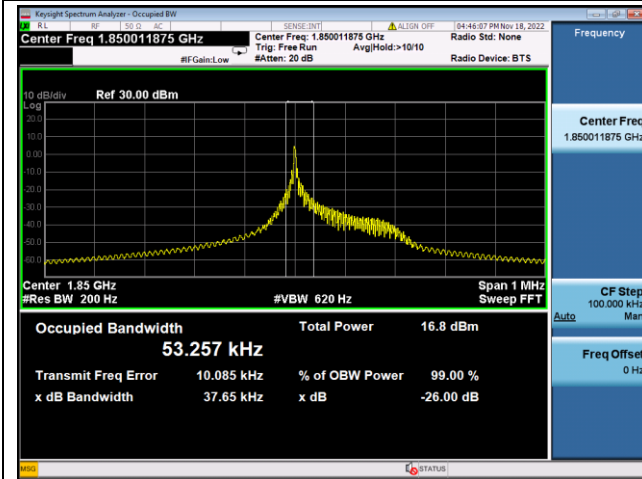
LTE Band 85					
SCS	Modulation	Test Item	Test result(KHz)		
			LCH	MCH	HCH
3.75 KHz	QPSK	OBW	46.976	50.243	50.639
		26dB bandwidth	50.243	37.21	36.37
	BPSK	OBW	51.424	51.269	51.667
		26dB bandwidth	36.73	37.36	37.53
SCS	Modulation	Test Item	Test result(KHz)		
15 KHz	QPSK	OBW	183.98	183.71	184.49
		26dB bandwidth	249.2	235.0	248.4
	BPSK	OBW	119.47	119.66	121.87
		26dB bandwidth	113.5	116.6	116.8

Remark: For all the 3.75KHz SCS test, N_{tone} were set to 1@0 for L & M channel, 1@max for H channel;

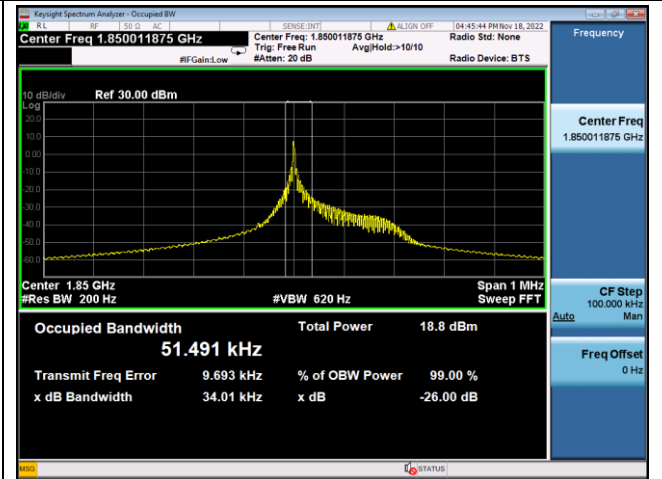
For 15KHz SCS test, BPSK modulation, N_{tone} were set to 1@0 for L & M channel, 1@max for H channel, for QPSK modulation, N_{tone} was set to 12@0 for all channels.

LTE Band 2, SCS: 3.75KHz, OBW & 26dB Bandwidth

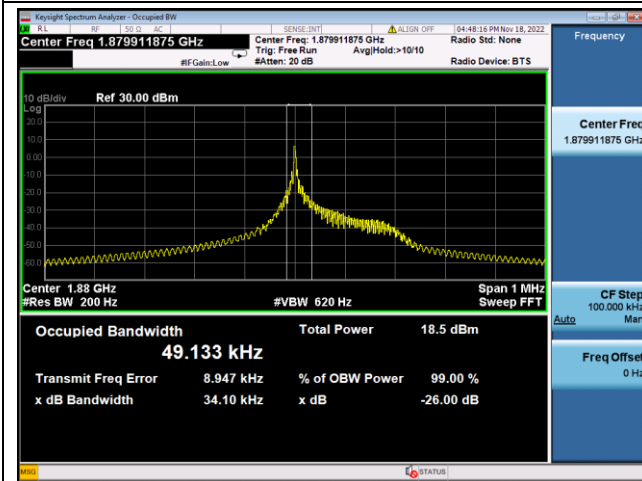
QPSK Low channel



BPSK Low channel



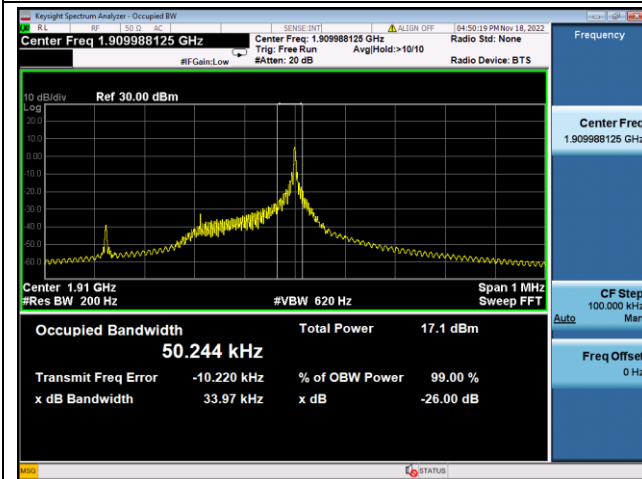
QPSK Middle channel



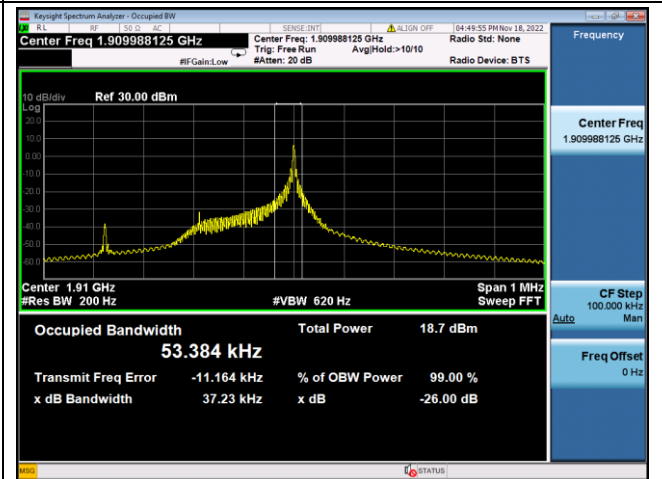
BPSK Middle channel



QPSK High channel

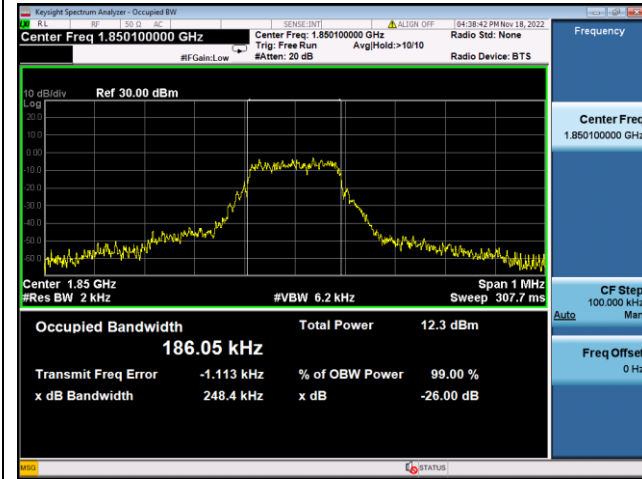


BPSK High channel



LTE Band 2, SCS: 15KHz, OBW & 26dB Bandwidth

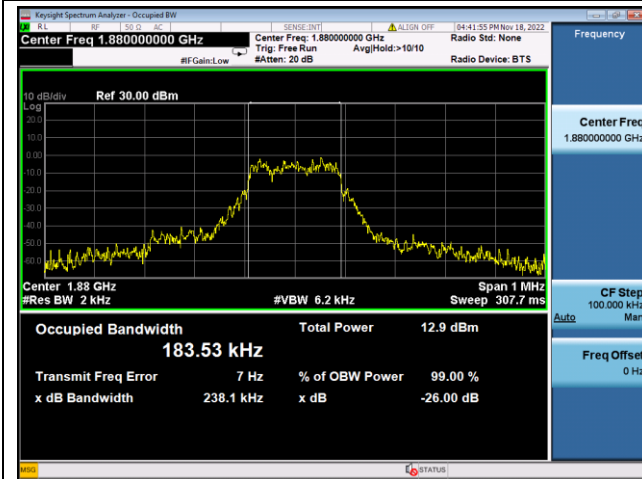
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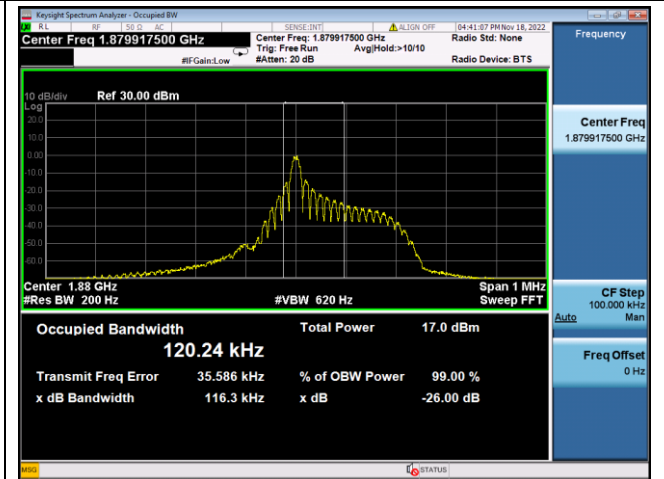
BPSK Low channel



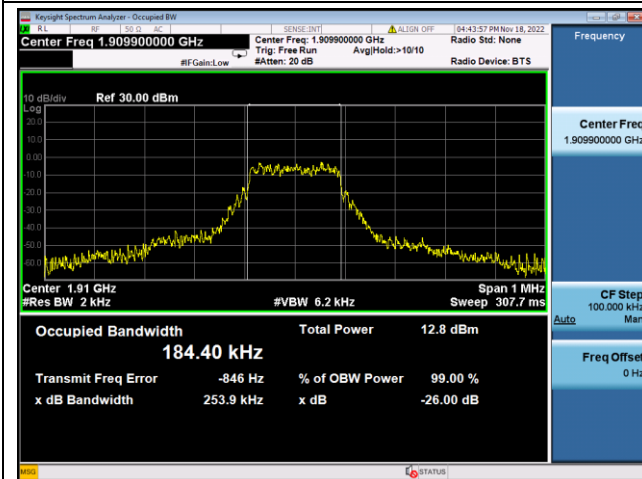
QPSK Middle channel



BPSK Middle channel



QPSK High channel

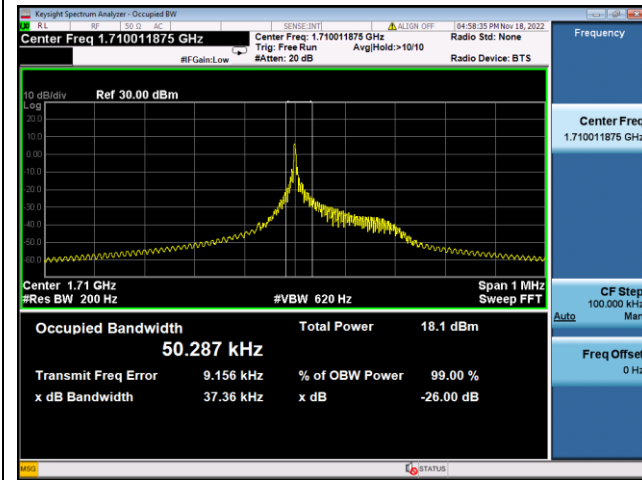


BPSK High channel

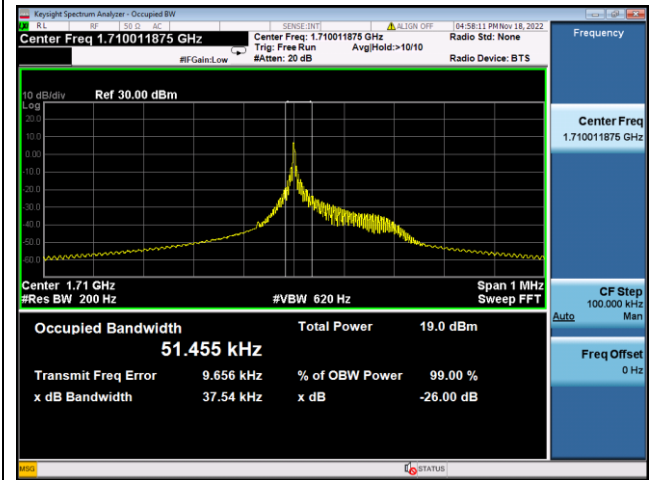


LTE Band 4, SCS: 3.75KHz, OBW & 26dB Bandwidth

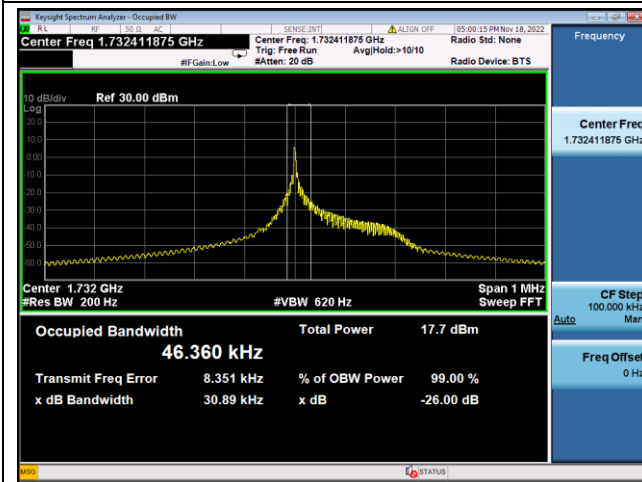
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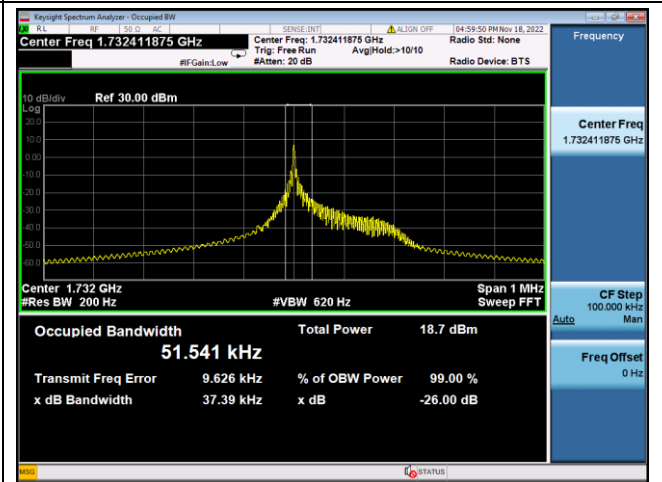
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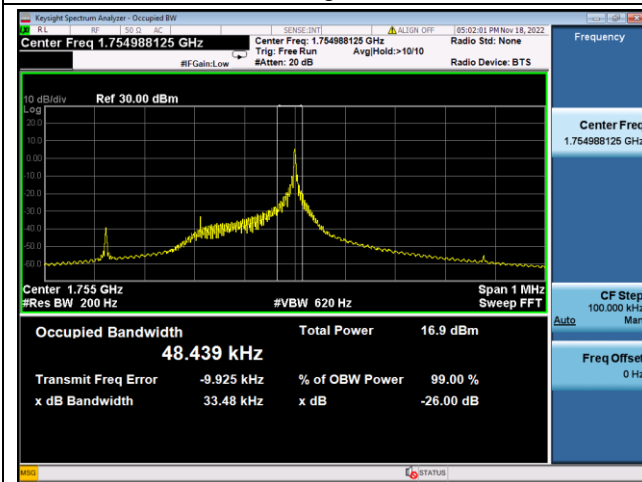
QPSK Middle channel



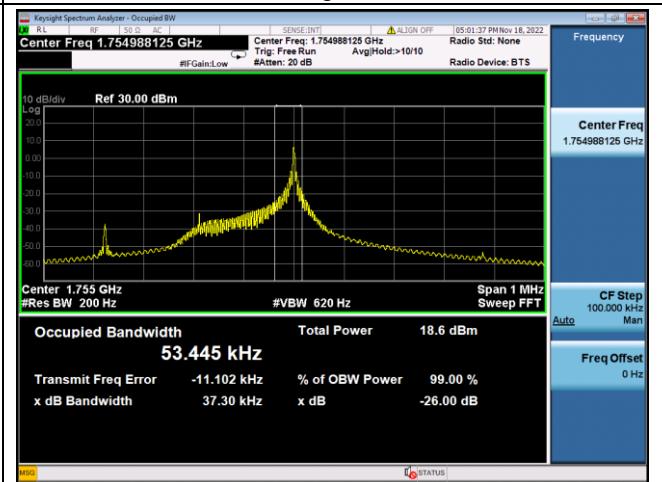
BPSK Middle channel



QPSK High channel

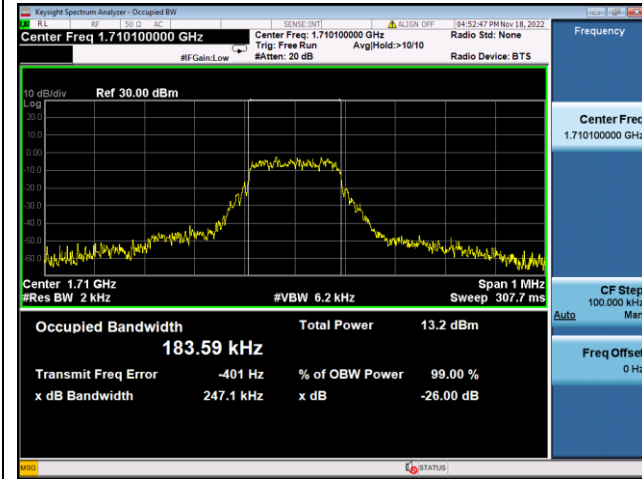


BPSK High channel

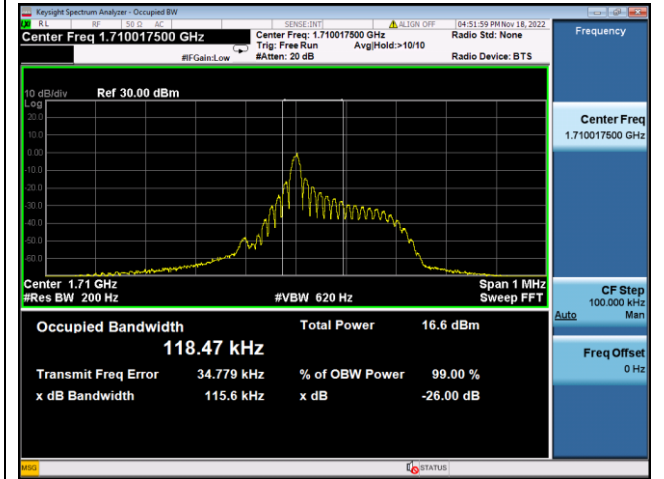


LTE Band 4, SCS: 15KHz, OBW & 26dB Bandwidth

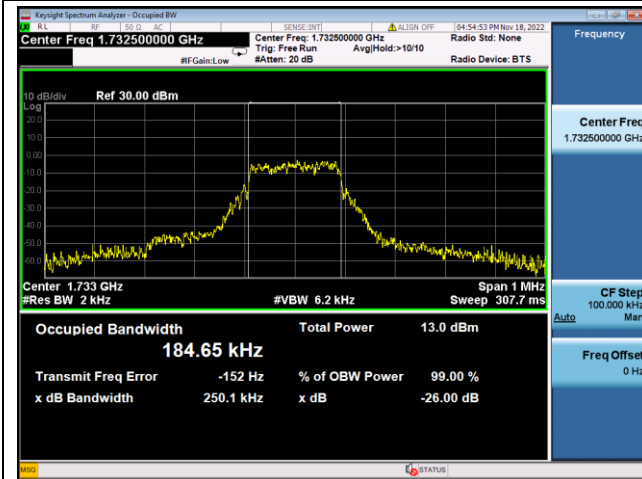
QPSK Low channel



BPSK Low channel



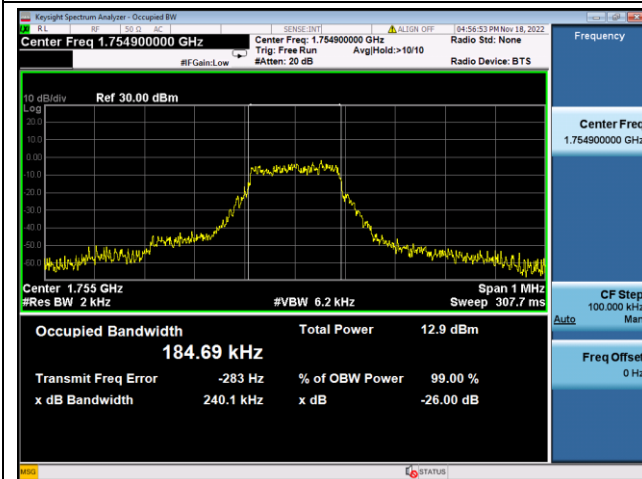
QPSK Middle channel



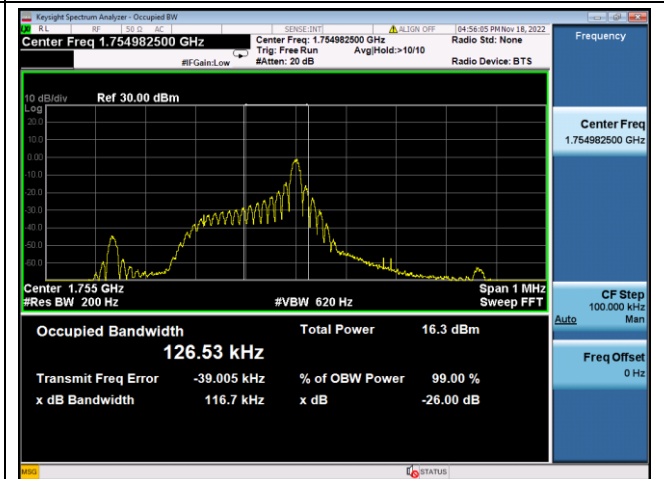
BPSK Middle channel



QPSK High channel

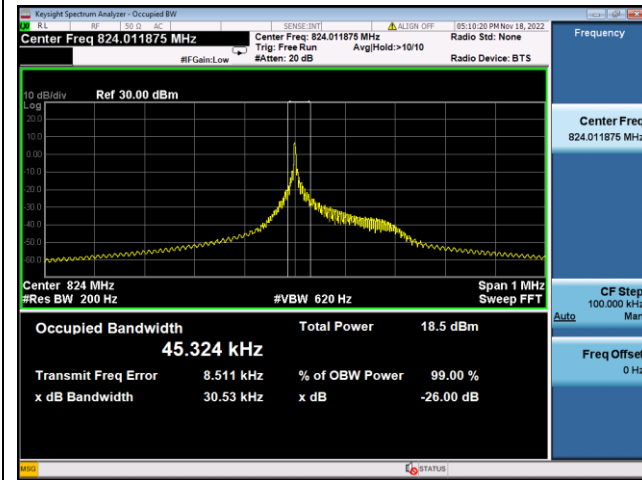


BPSK High channel

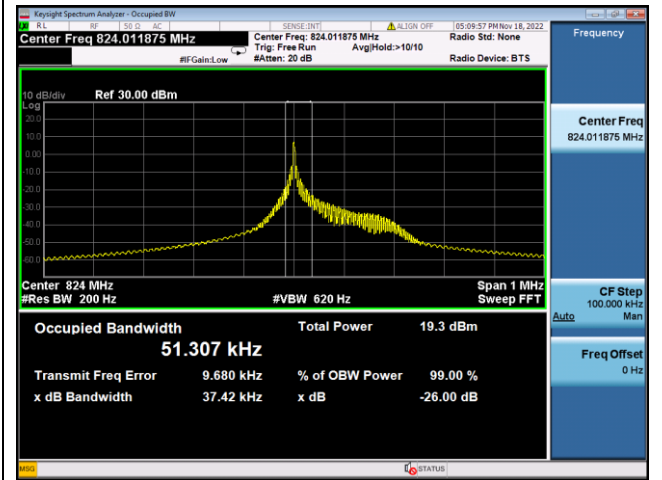


LTE Band 5, SCS: 3.75KHz, OBW & 26dB Bandwidth

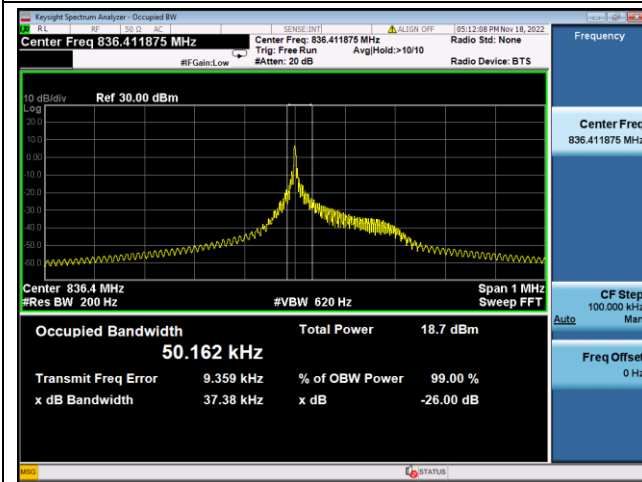
QPSK Low channel



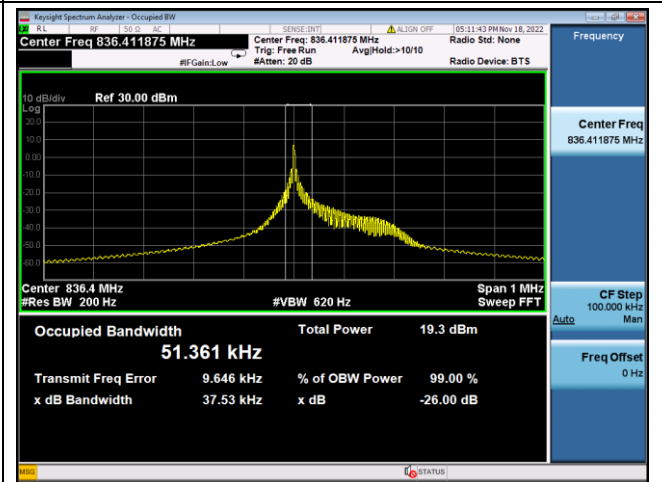
BPSK Low channel



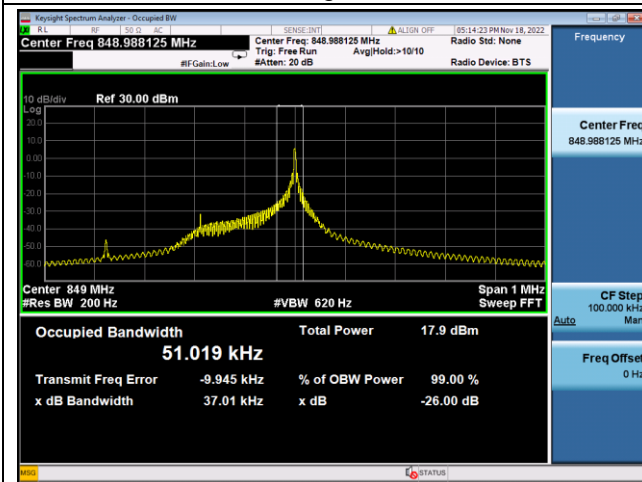
QPSK Middle channel



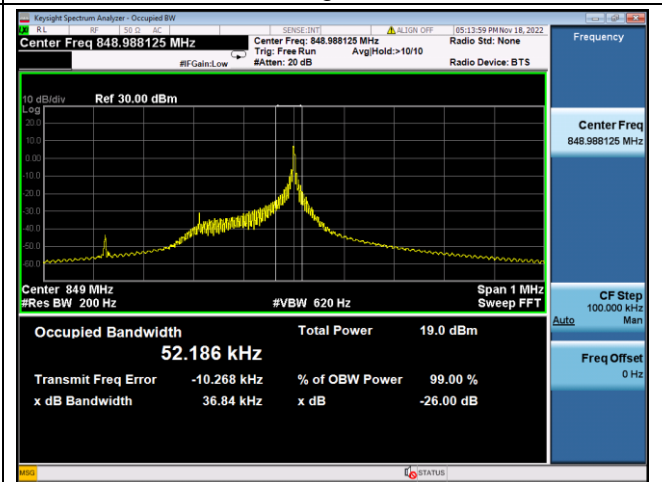
BPSK Middle channel



QPSK High channel

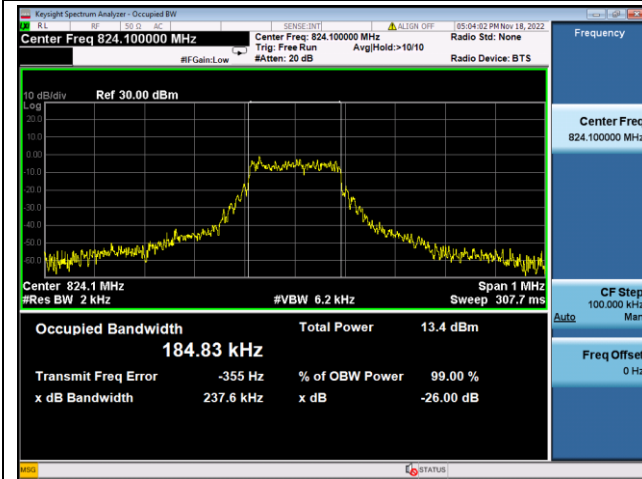


BPSK High channel

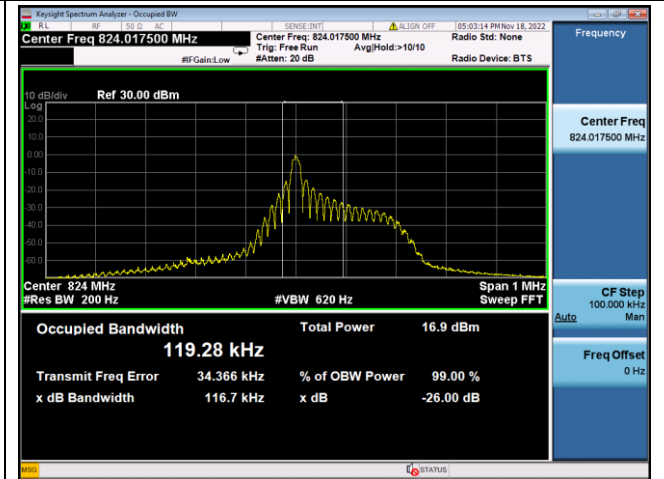


LTE Band 5, SCS: 15KHz, OBW & 26dB Bandwidth

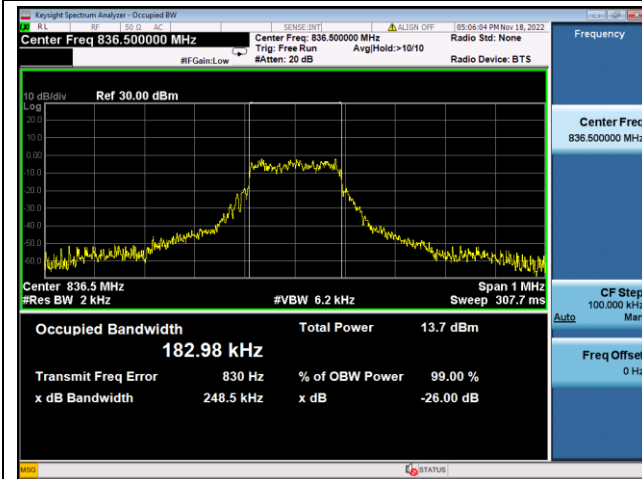
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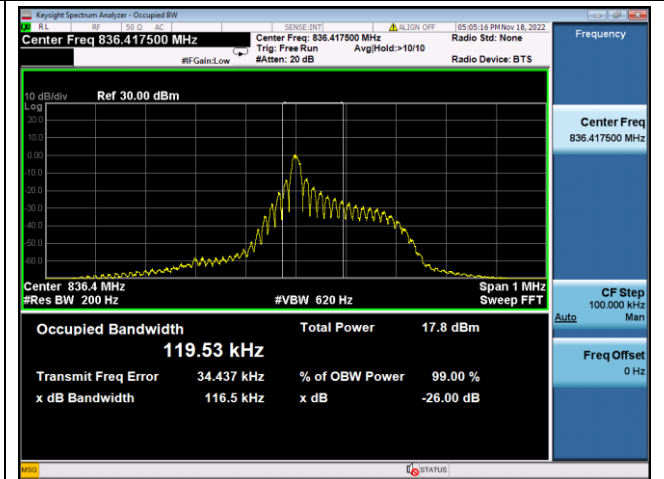
BPSK Low channel



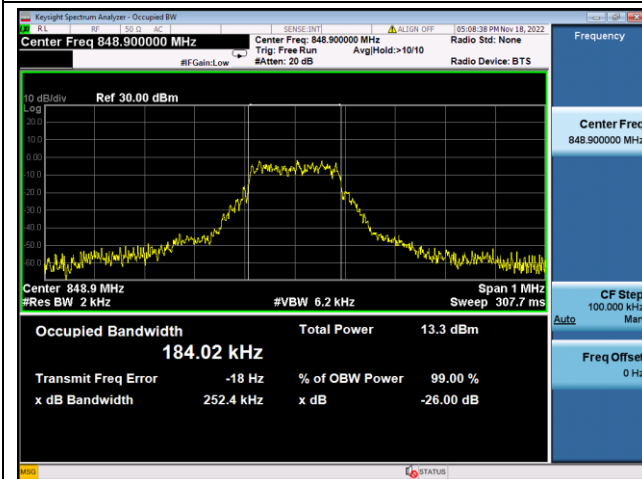
QPSK Middle channel



BPSK Middle channel



QPSK High channel

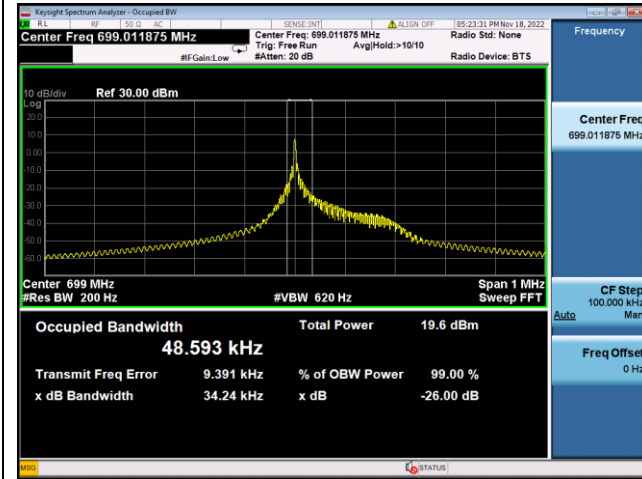


BPSK High channel

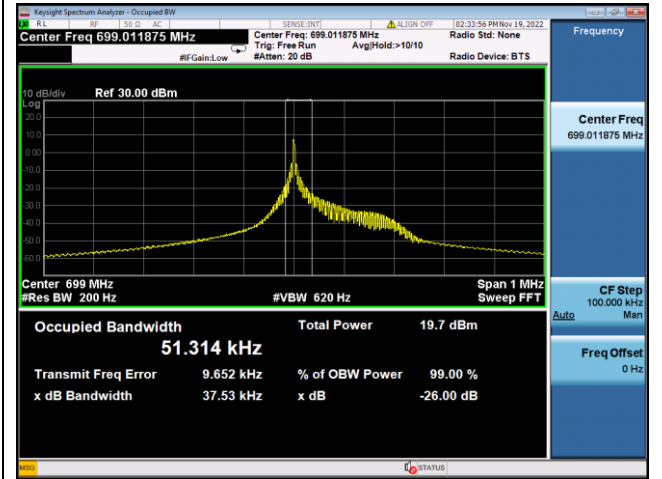


LTE Band 12, SCS: 3.75KHz, OBW & 26dB Bandwidth

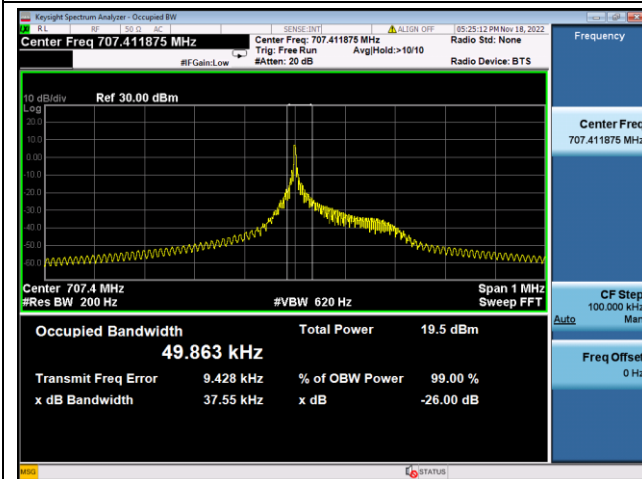
QPSK Low channel



BPSK Low channel



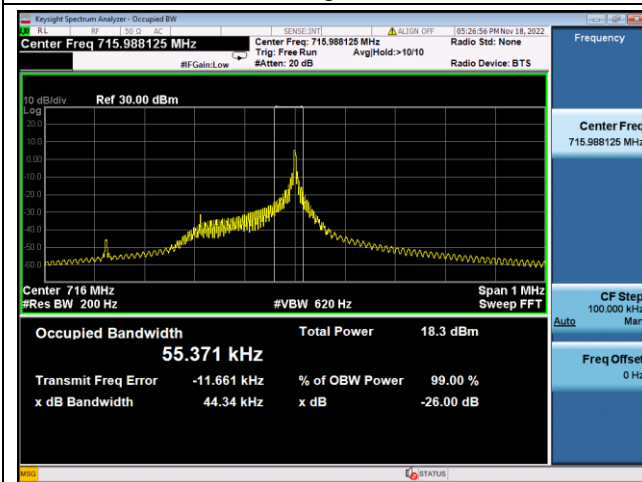
QPSK Middle channel



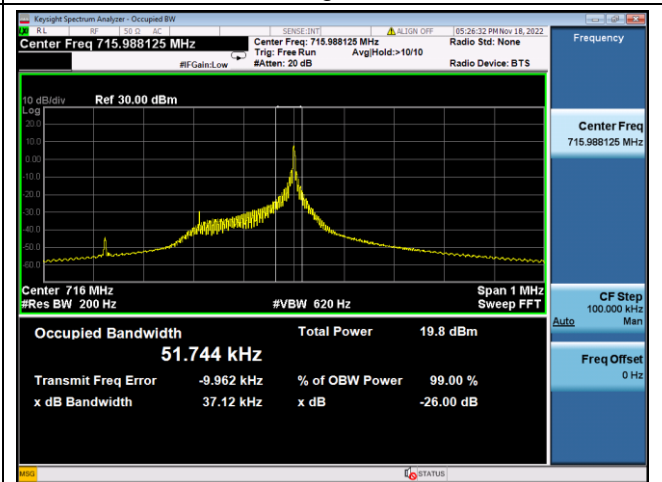
BPSK Middle channel



QPSK High channel

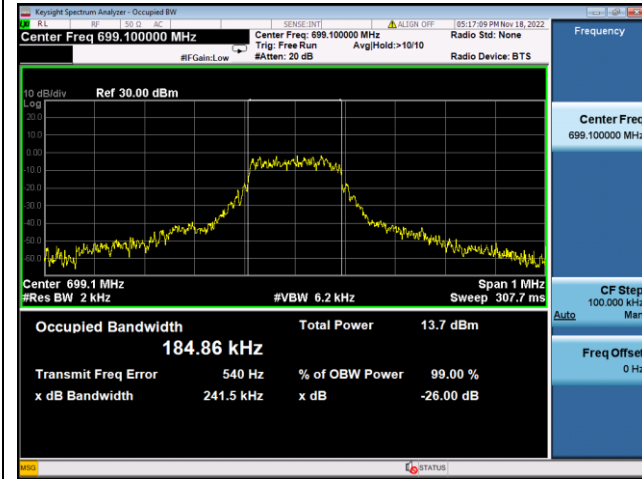


BPSK High channel



LTE Band 12, SCS: 15KHz, OBW & 26dB Bandwidth

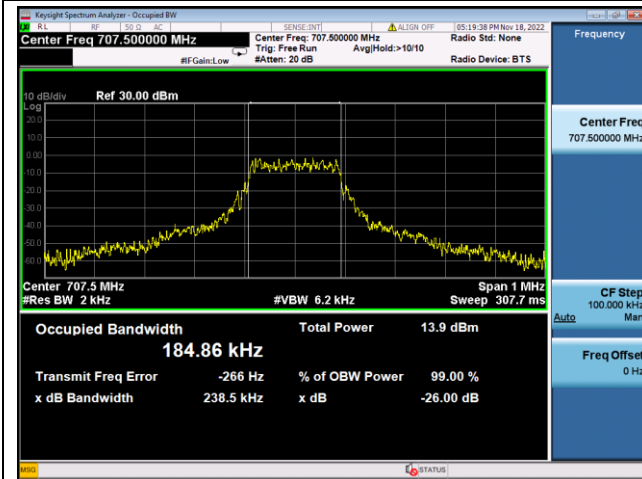
QPSK Low channel



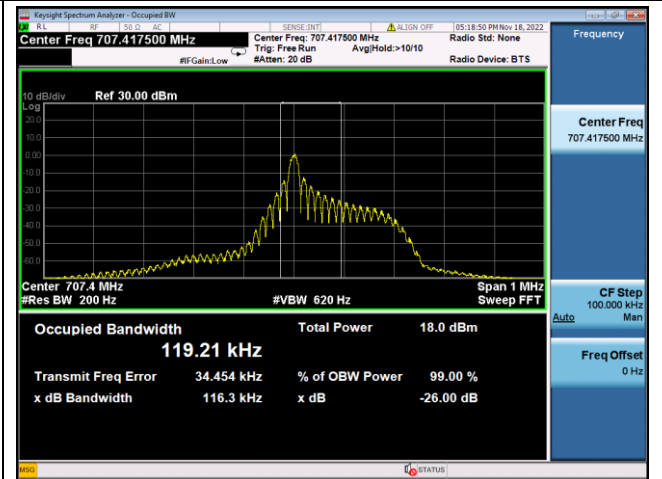
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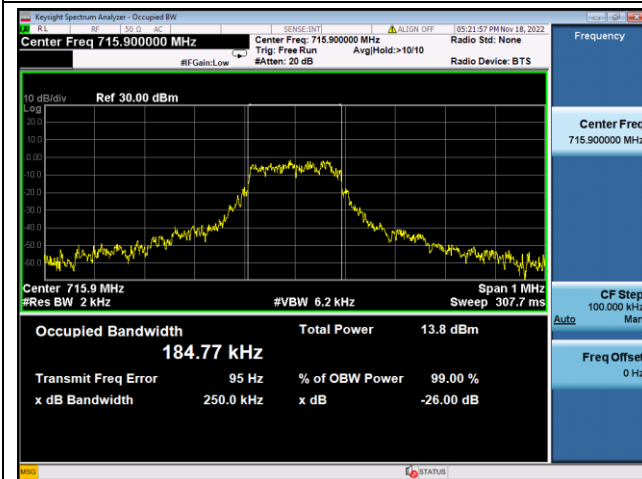
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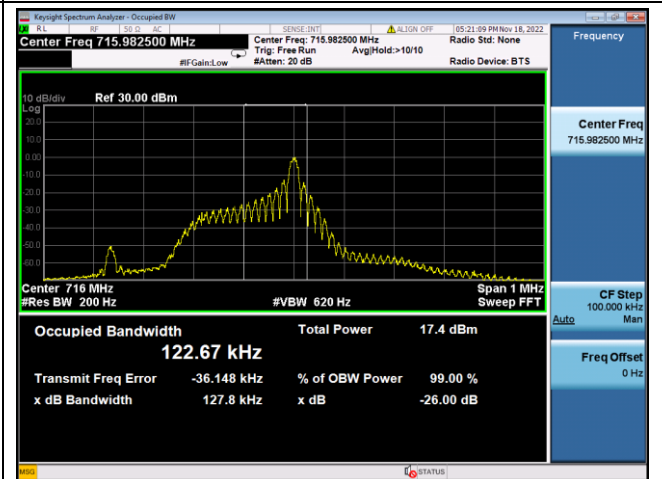
BPSK Middle channel



QPSK High channel

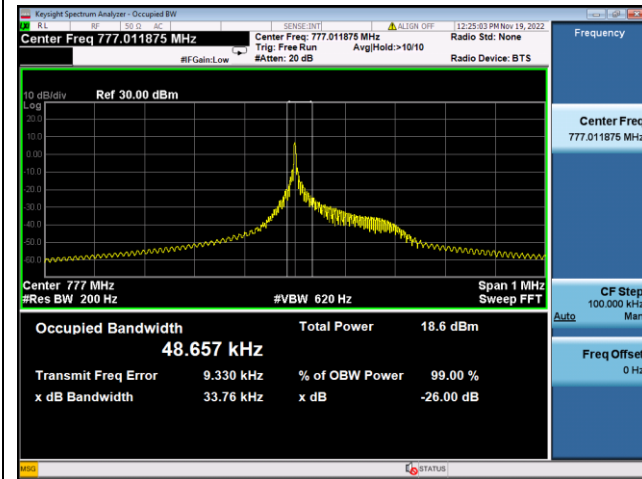


BPSK High channel

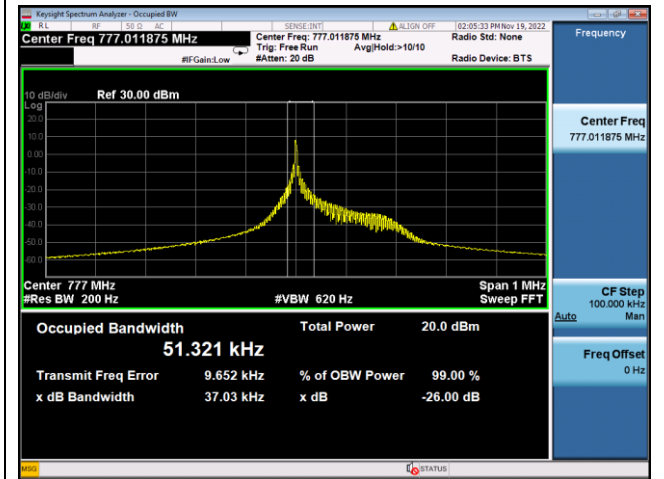


LTE Band 13, SCS: 3.75kHz, OBW & 26dB Bandwidth

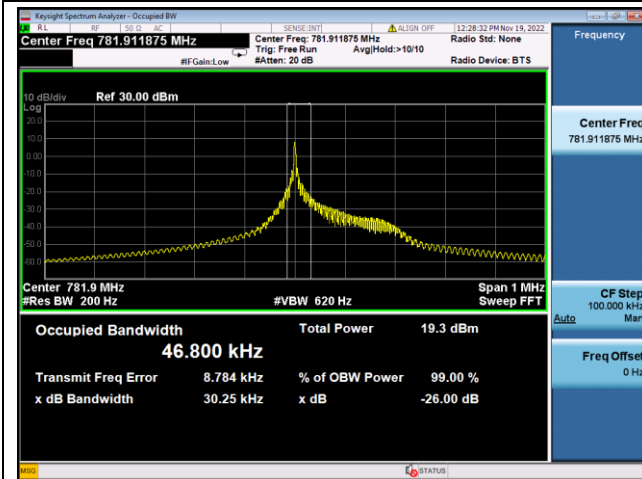
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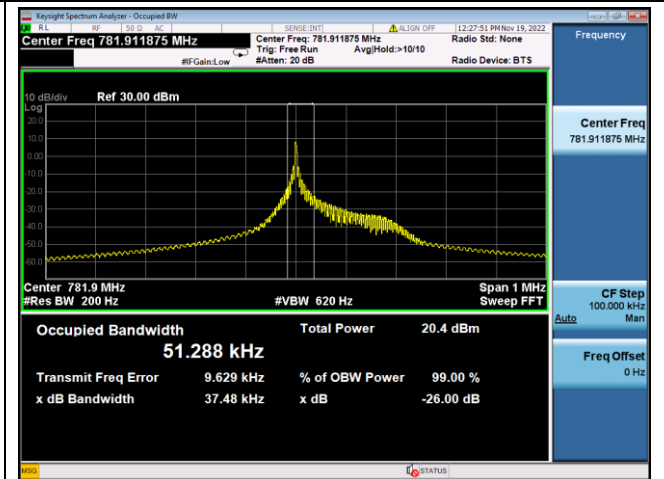
BPSK Low channel



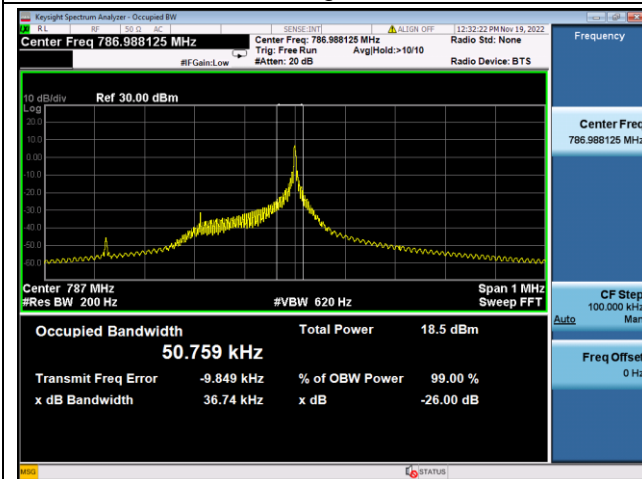
QPSK Middle channel



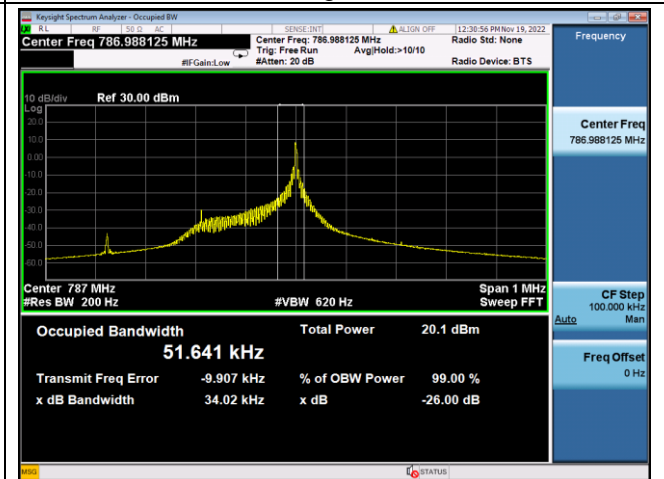
BPSK Middle channel



QPSK High channel

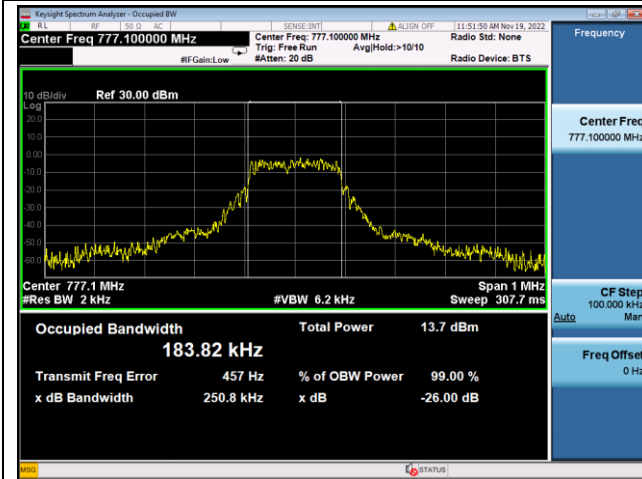


BPSK High channel

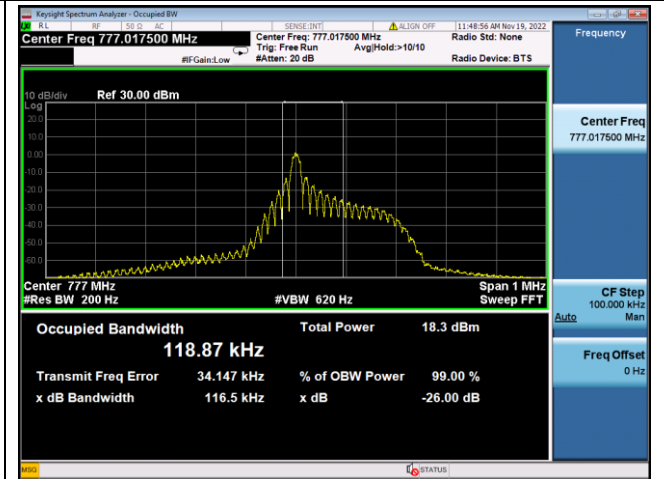


LTE Band 13, SCS: 15KHz, OBW & 26dB Bandwidth

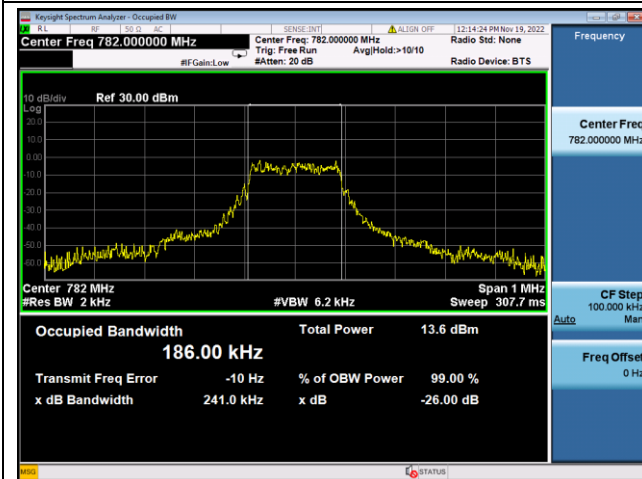
QPSK Low channel



BPSK Low channel



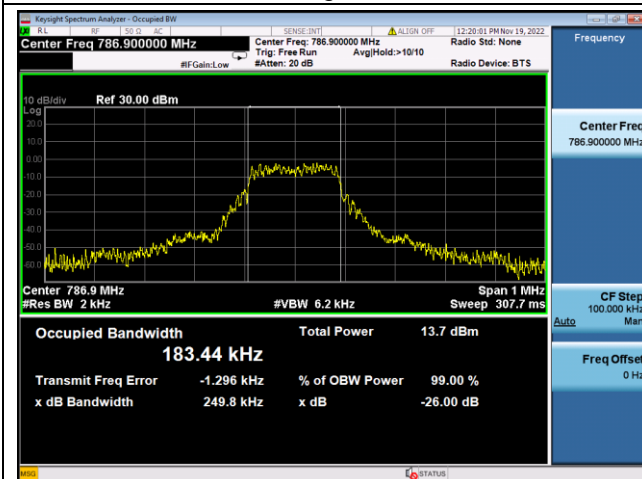
QPSK Middle channel



BPSK Middle channel



QPSK High channel



BPSK High channel

