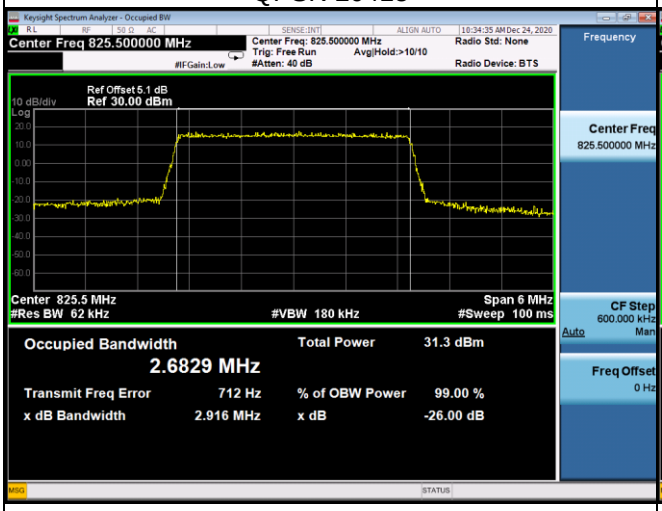
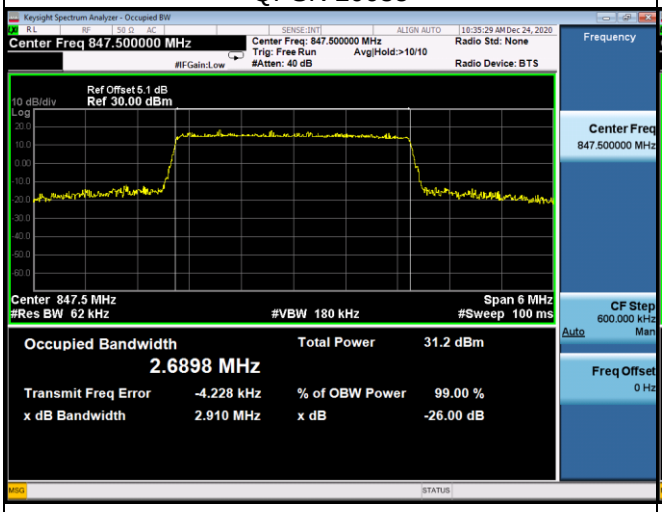
Spectrum Plot

QPSK-20415

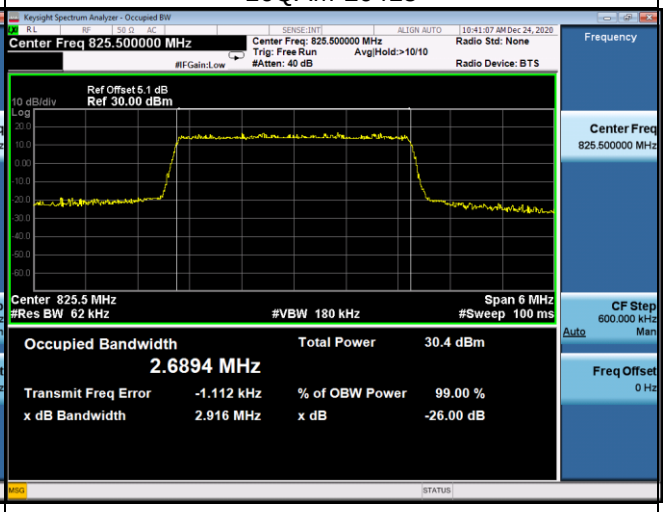


QPSK-20525

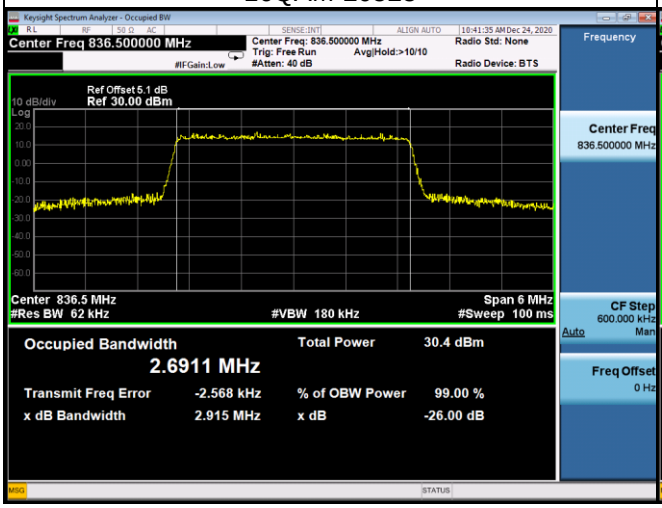
QPSK-20635



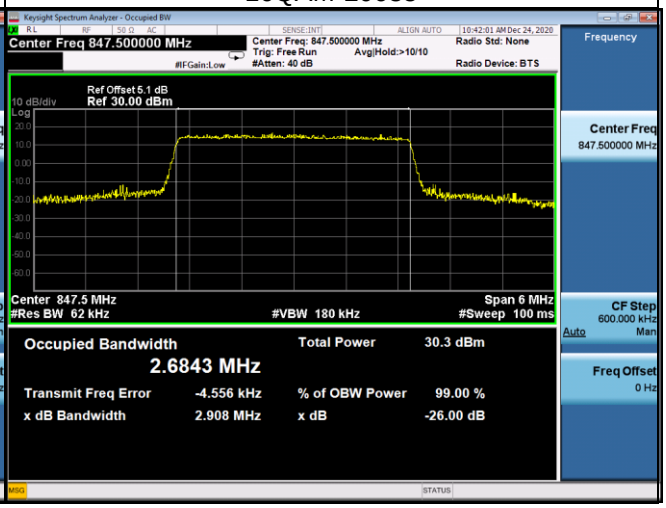
16QAM-20415



16QAM-20525



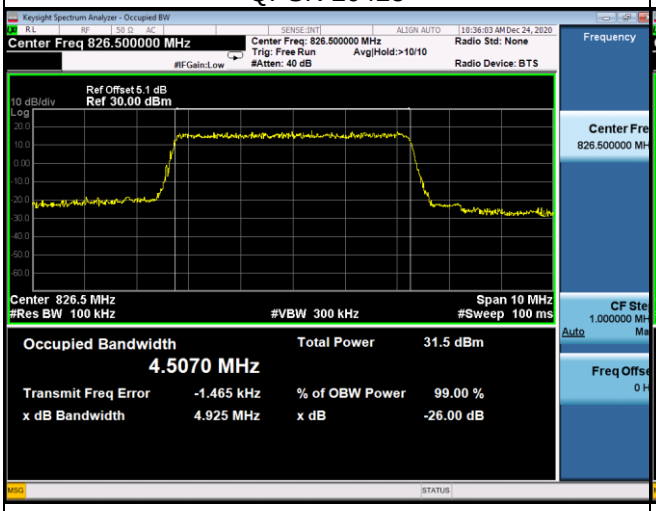
16QAM-20635



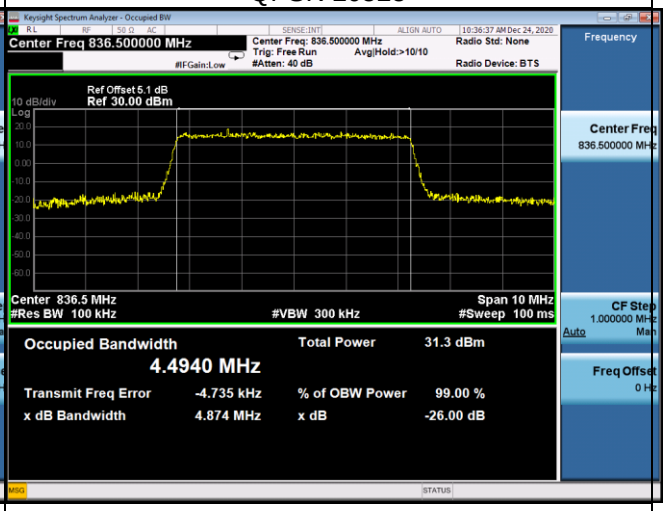
LTE Band 5_5M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20425	826.5	4.5070	20425	826.5	4.925
20525	836.5	4.4940	20525	836.5	4.874
20625	846.5	4.4879	20625	846.5	4.920
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20425	826.5	4.4923	20425	826.5	4.924
20525	836.5	4.4908	20525	836.5	4.890
20625	846.5	4.4859	20625	846.5	4.899

Spectrum Plot

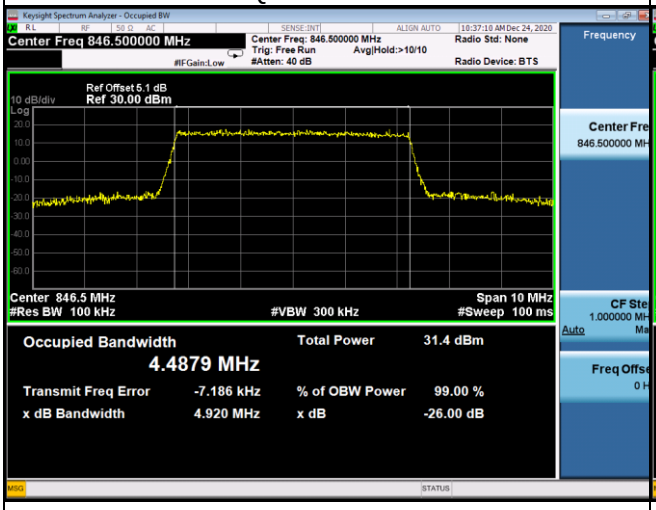
QPSK-20425



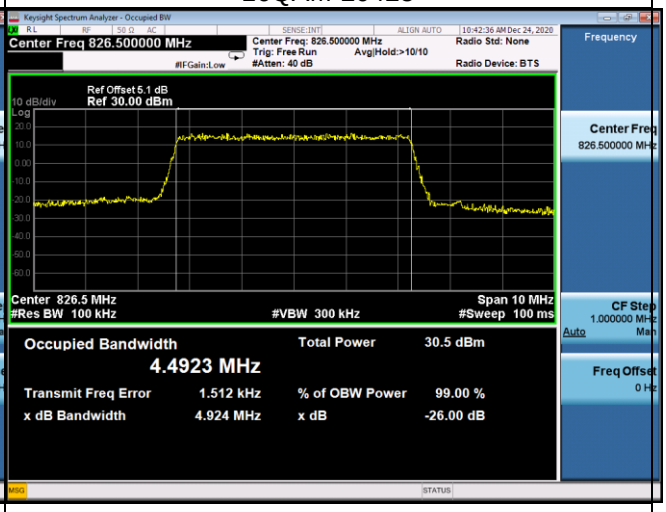
QPSK-20525



QPSK-20625

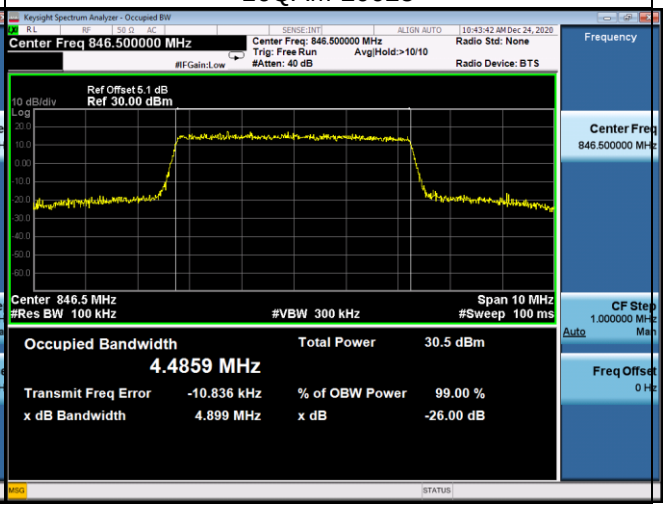


16QAM-20425



16QAM-20525

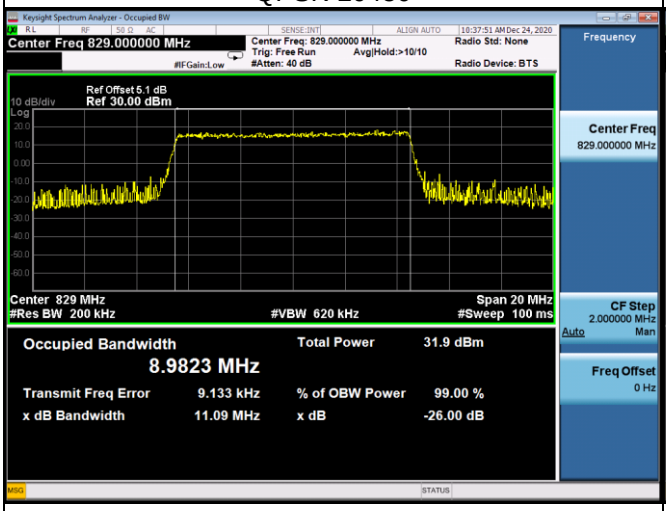
16QAM-20625



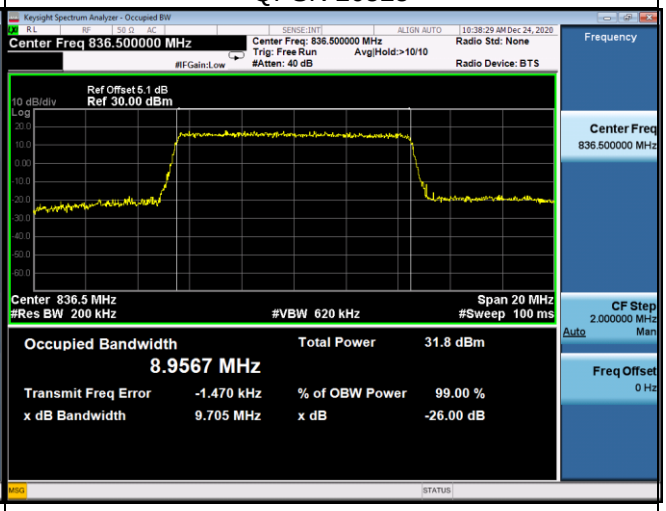
LTE Band 5_10M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20450	829.0	8.9823	20450	829.0	11.090
20525	836.5	8.9567	20525	836.5	9.705
20600	844.0	8.9732	20600	844.0	9.774
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20450	829.0	8.9903	20450	829.0	9.771
20525	836.5	8.9657	20525	836.5	9.748
20600	844.0	8.9455	20600	844.0	9.738

Spectrum Plot

QPSK-20450

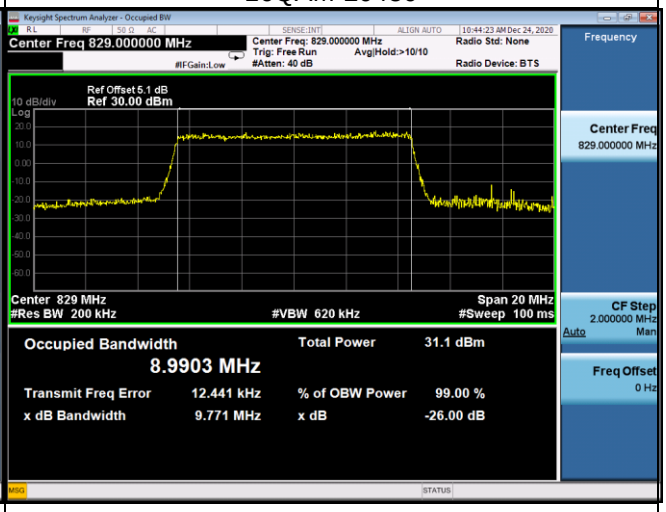


QPSK-20525

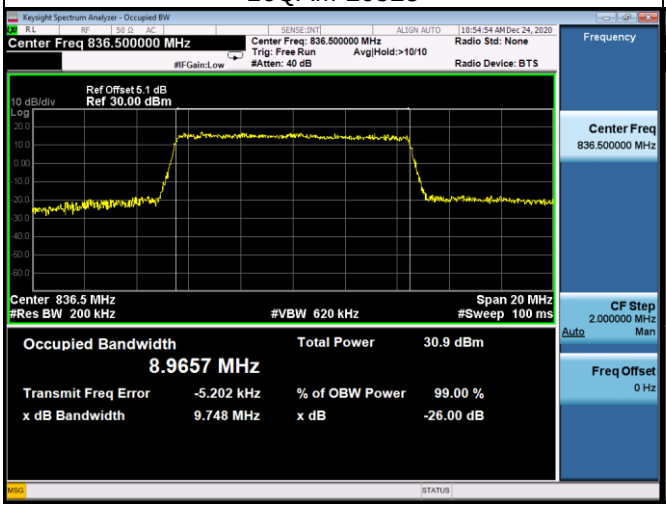


QPSK-20600

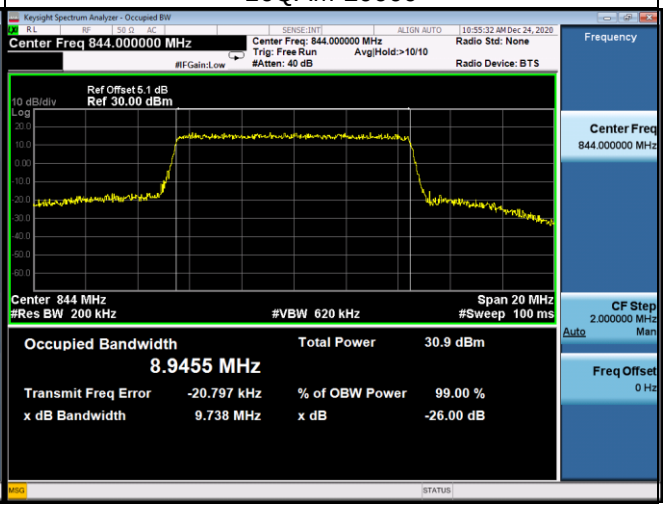
16QAM-20450



16QAM-20525



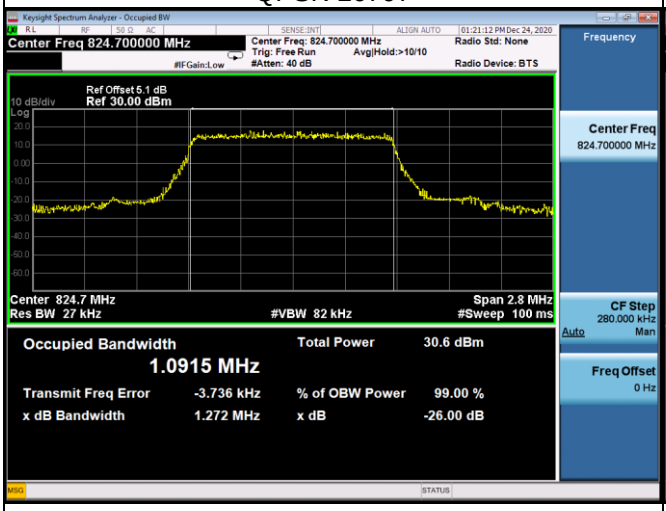
16QAM-20600



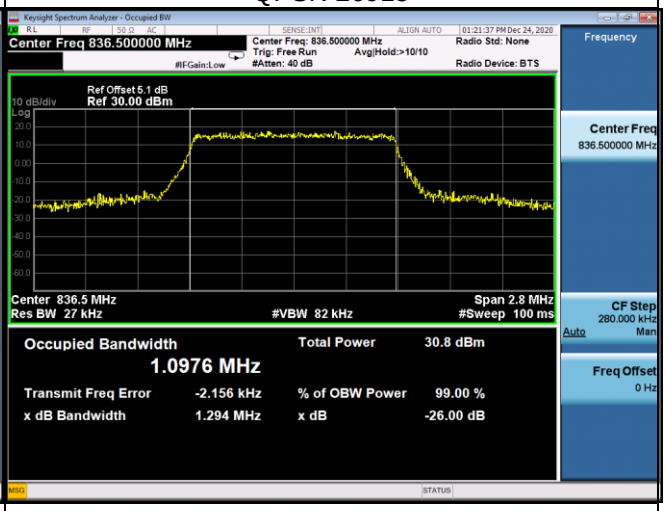
LTE Band 26_1.4M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
26797	824.7	1.0915	26797	824.7	1.272
26915	836.5	1.0976	26915	836.5	1.294
27033	848.3	1.0880	27033	848.3	1.296
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
26797	824.7	1.0885	26797	824.7	1.286
26915	836.5	1.0986	26915	836.5	1.321
27033	848.3	1.0860	27033	848.3	1.288

Spectrum Plot

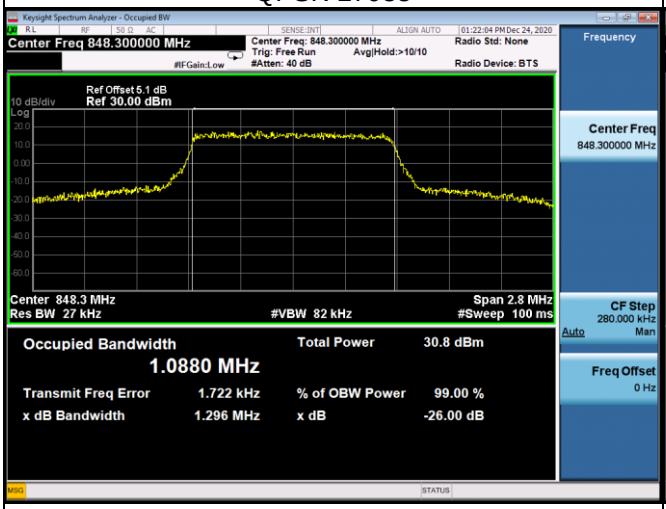
QPSK-26797



QPSK-26915

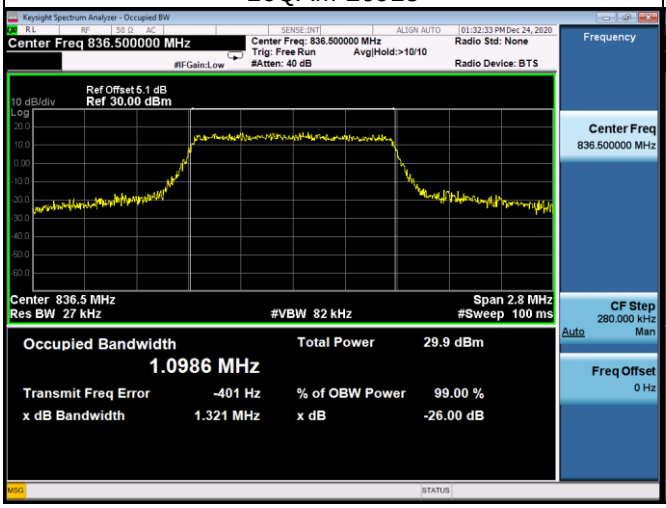


QPSK-27033



16QAM-26797

16QAM-26915



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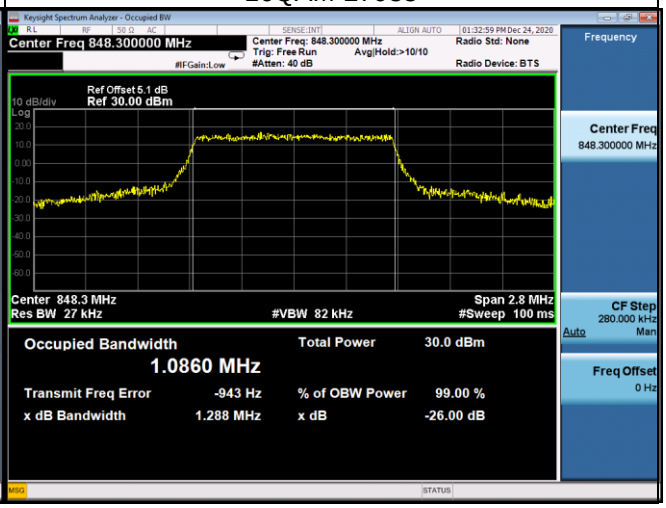
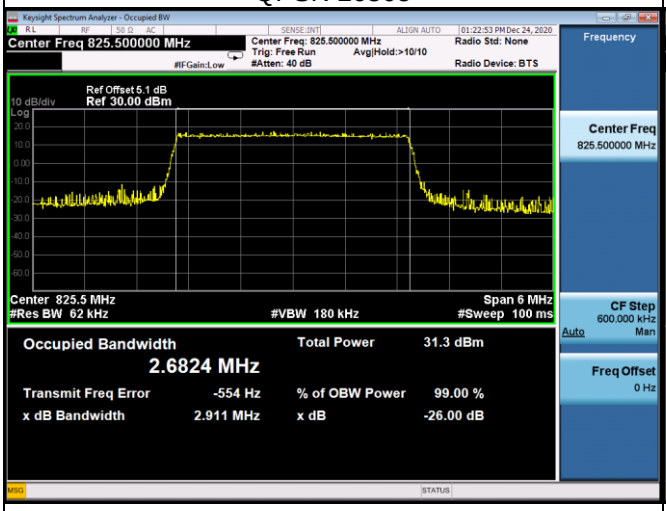


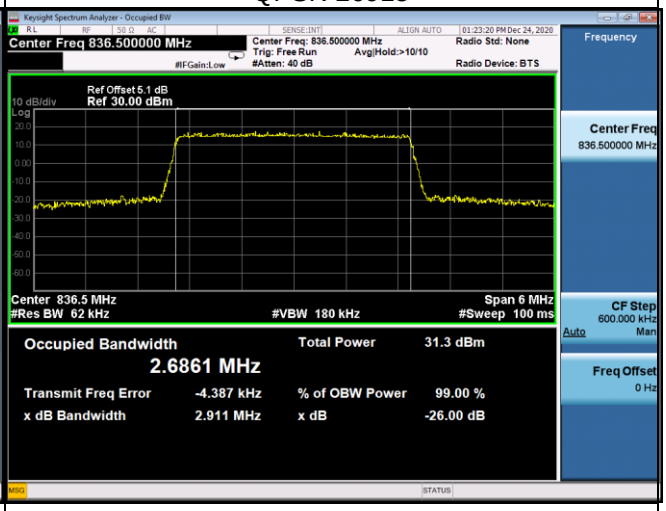
LTE Band 26_3M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
26805	825.5	2.6824	26805	825.5	2.911
26915	836.5	2.6861	26915	836.5	2.911
27025	847.5	2.6907	27025	847.5	2.930
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
26805	825.5	2.6912	26805	825.5	2.904
26915	836.5	2.6851	26915	836.5	2.907
27025	847.5	2.6823	27025	847.5	2.909

Spectrum Plot

QPSK-26805

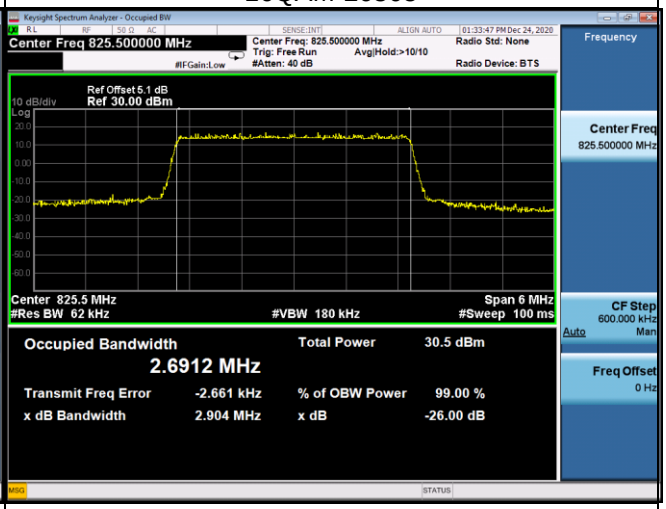


QPSK-26915

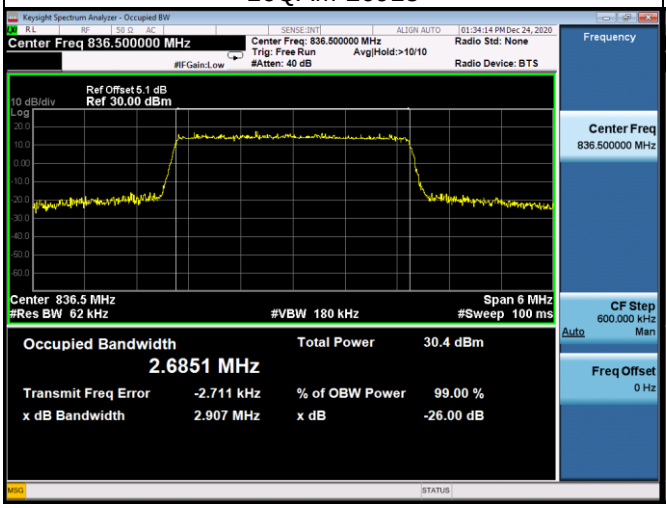


QPSK-27025

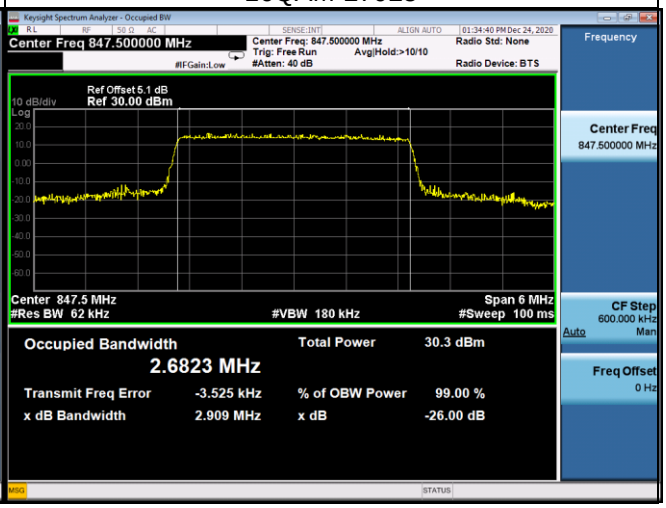
16QAM-26805



16QAM-26915



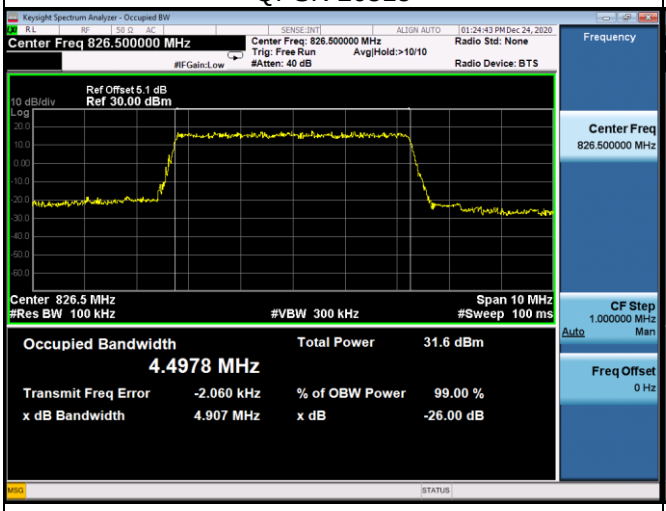
16QAM-27025



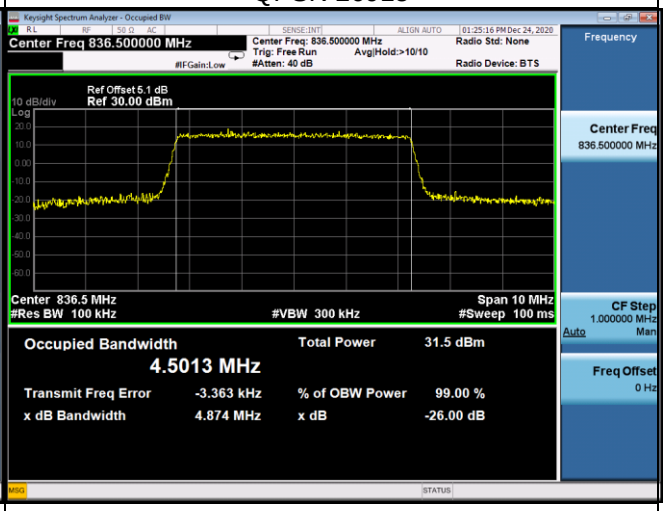
LTE Band 26_5M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
26815	826.5	4.4978	26815	826.5	4.907
26915	836.5	4.5013	26915	836.5	4.874
27015	846.5	4.4888	27015	846.5	4.844
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
26815	826.5	4.4932	26815	826.5	4.924
26915	836.5	4.4948	26915	836.5	4.903
27015	846.5	4.4895	27015	846.5	4.929

Spectrum Plot

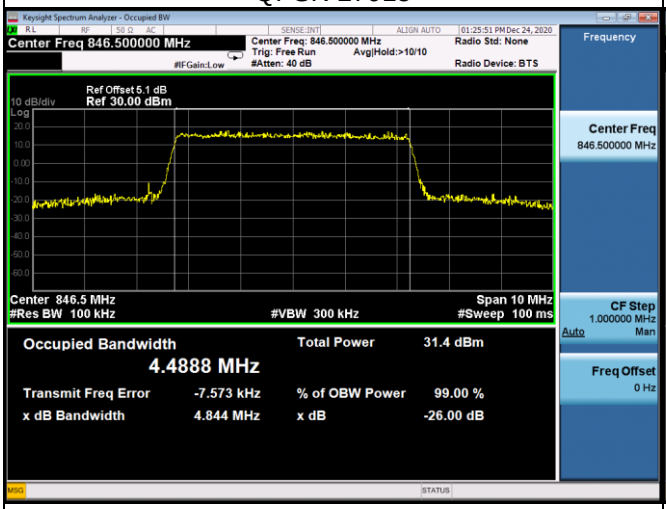
QPSK-26815



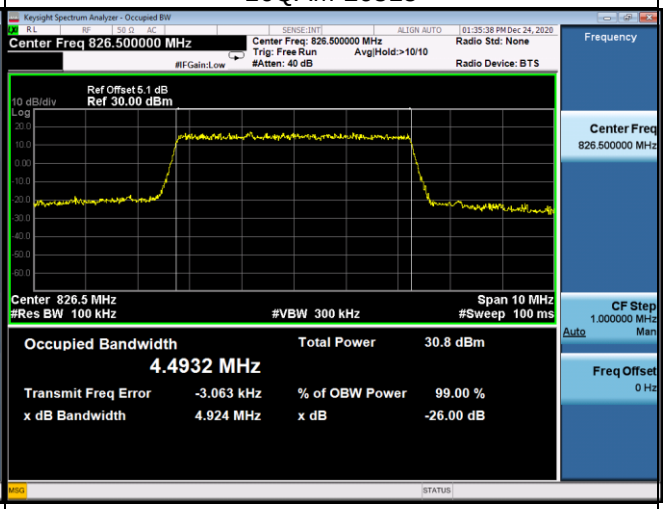
QPSK-26915



QPSK-27015



16QAM-26815



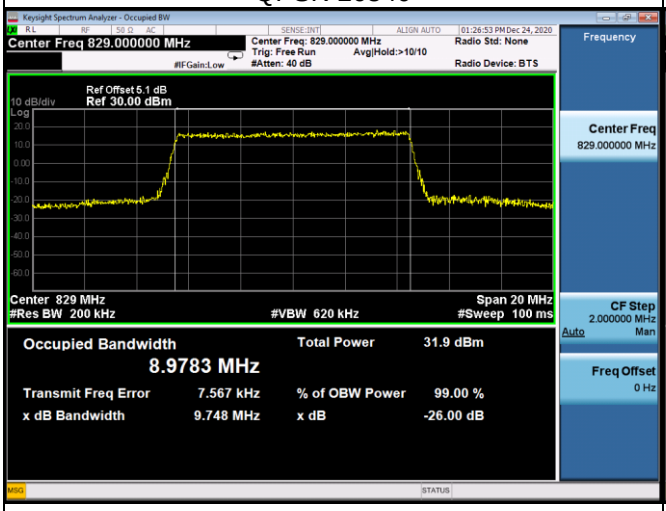
16QAM-26915

16QAM-27015

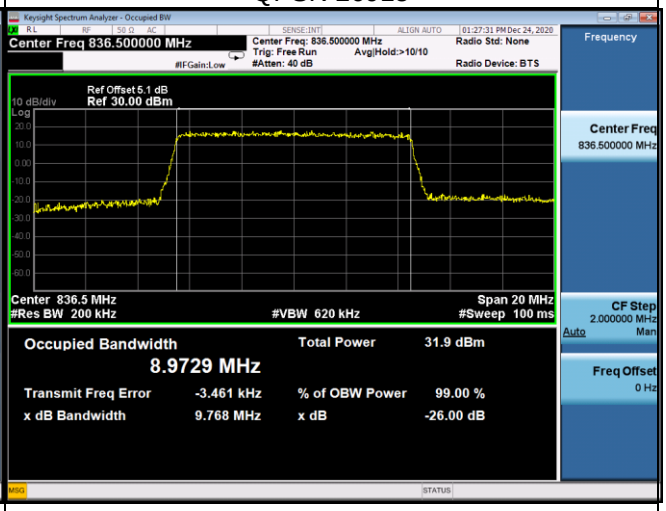
LTE Band 26_10M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
26840	829	8.9783	26840	829	9.748
26915	836.5	8.9729	26915	836.5	9.768
26990	844	8.9779	26990	844	10.390
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
26840	829	8.9855	26840	829	9.780
26915	836.5	8.9509	26915	836.5	9.680
26990	844	8.9690	26990	844	9.943

Spectrum Plot

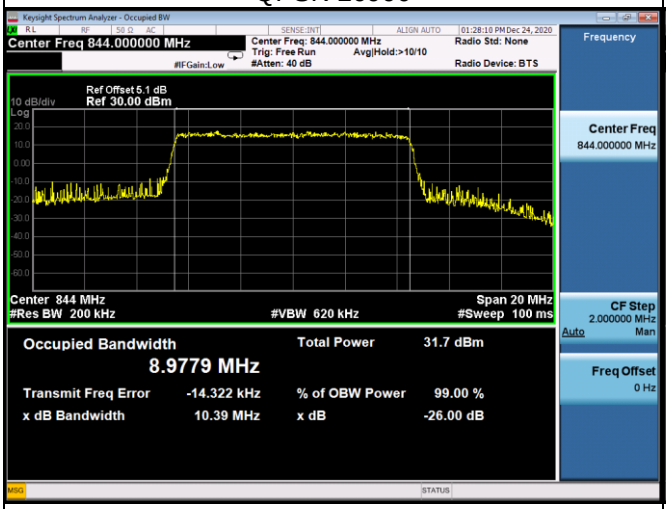
QPSK-26840



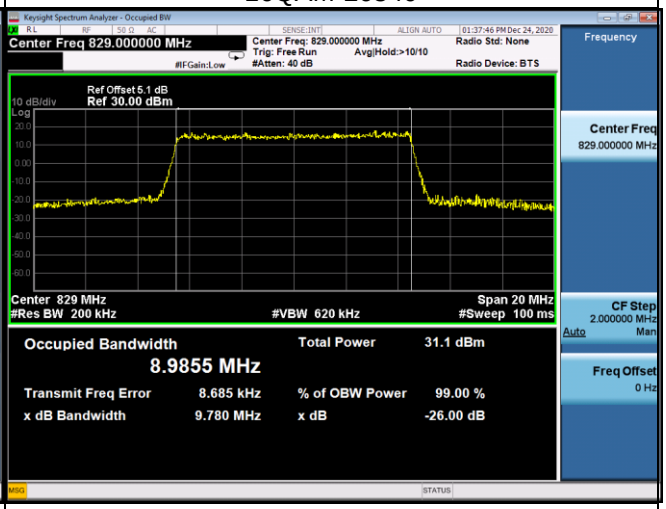
QPSK-26915



QPSK-26990

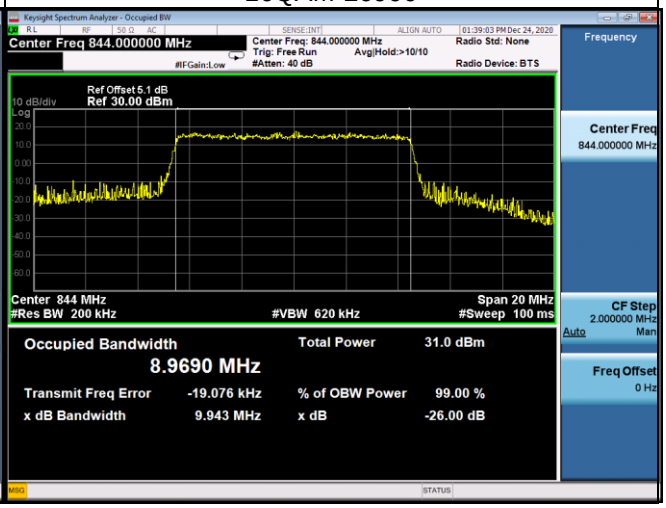


16QAM-26840



16QAM-26915

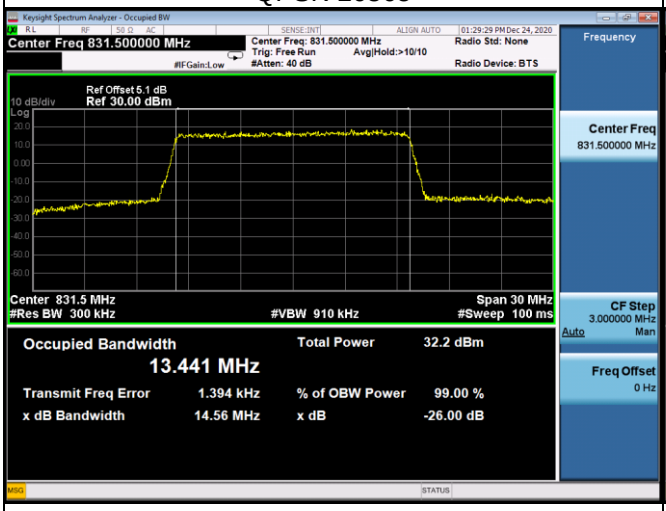
16QAM-26990



LTE Band 26_15M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
26865	831.5	13.441	26865	831.5	14.56
26915	836.5	13.424	26915	836.5	14.50
26965	841.5	13.446	26965	841.5	14.68
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
26865	831.5	13.447	26865	831.5	14.58
26915	836.5	13.425	26915	836.5	14.58
26965	841.5	13.441	26965	841.5	14.55

Spectrum Plot

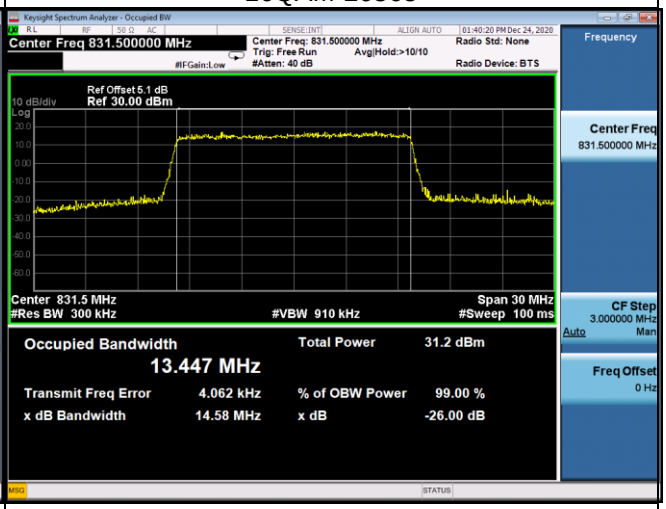
QPSK-26865



QPSK-26915

QPSK-26965

16QAM-26865



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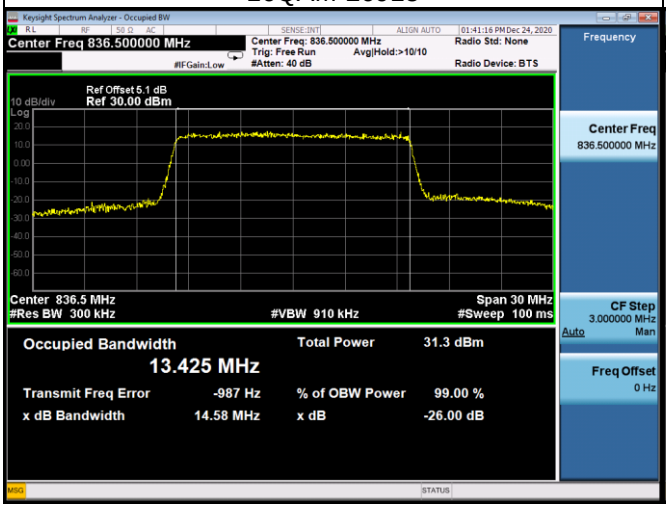
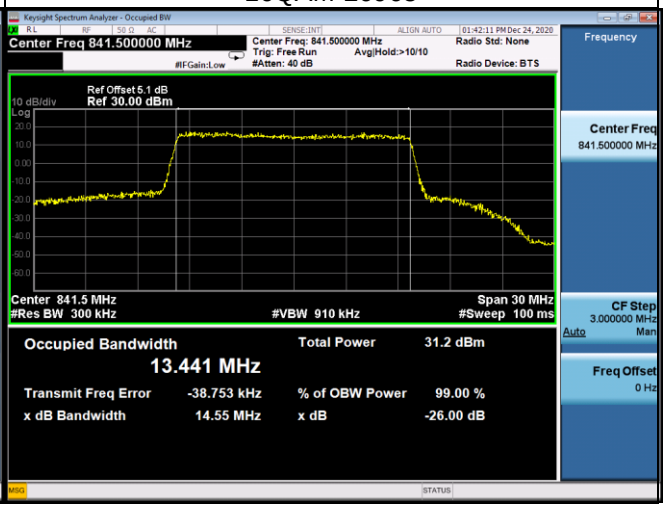
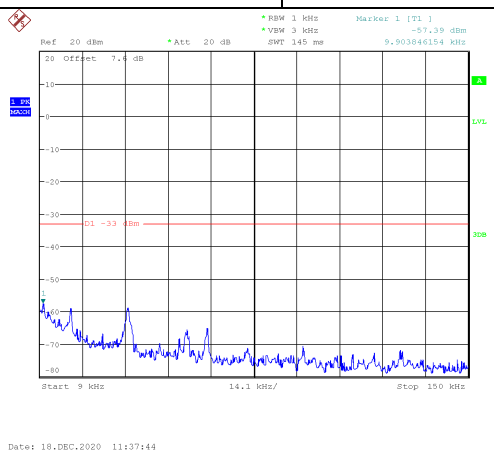
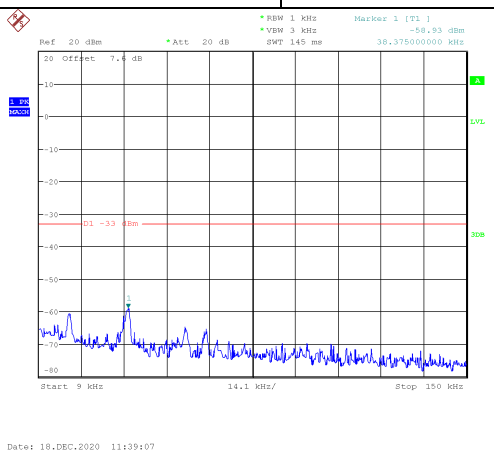


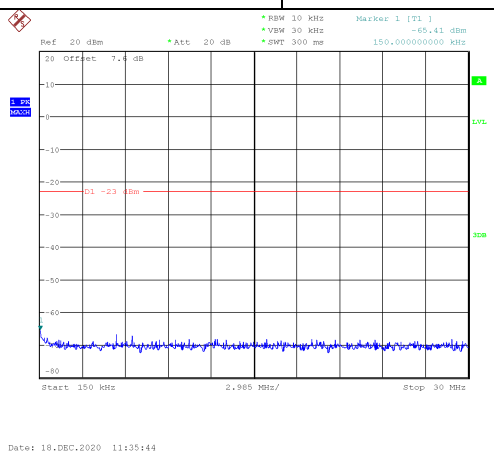
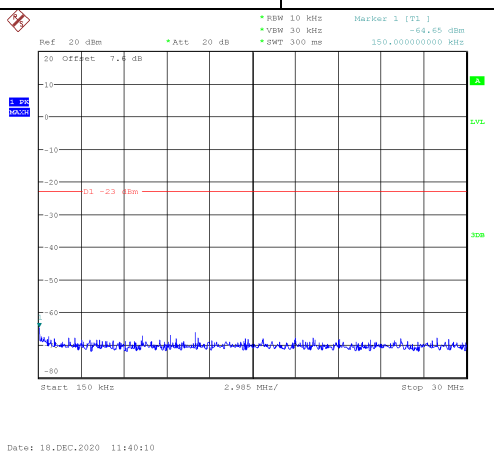
16QAM-26965

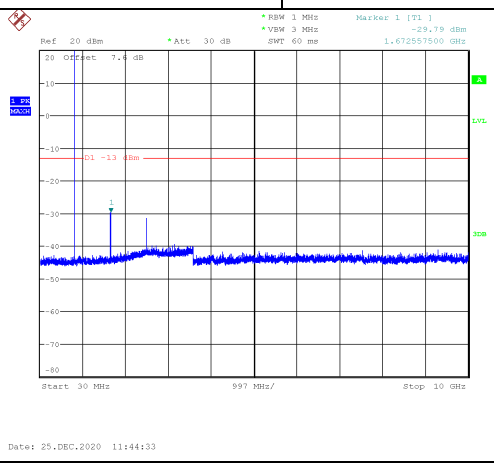
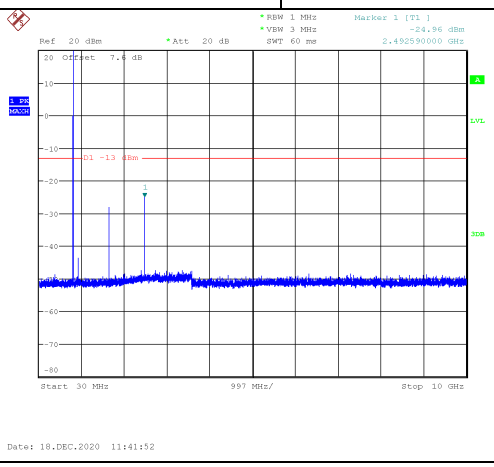


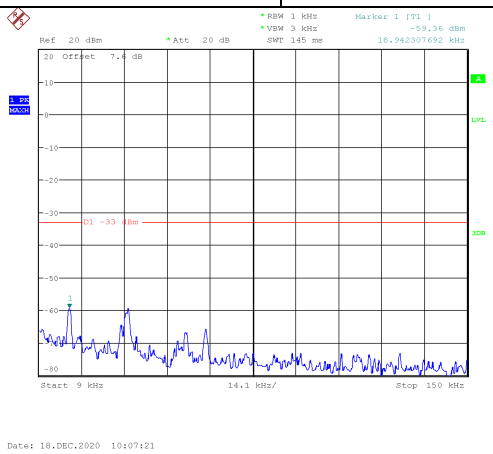
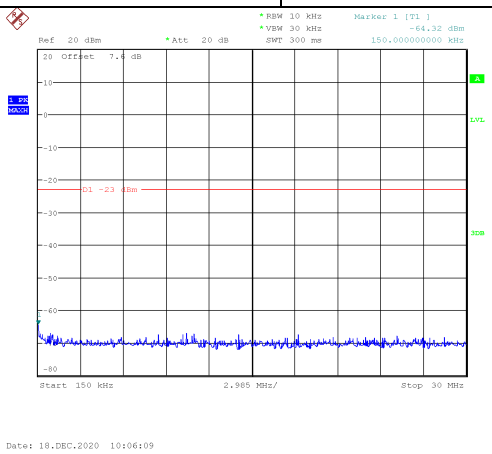
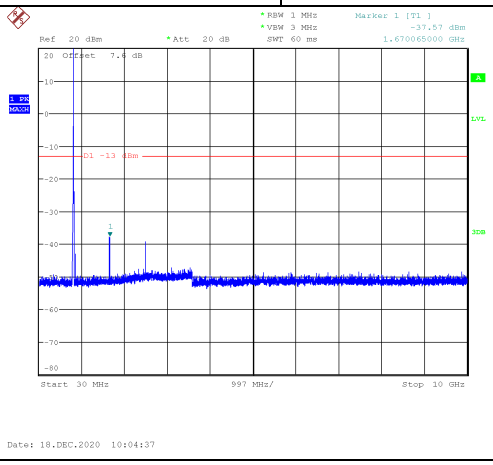
APPENDIX C - CONDUCTED SPURIOUS EMISSIONS

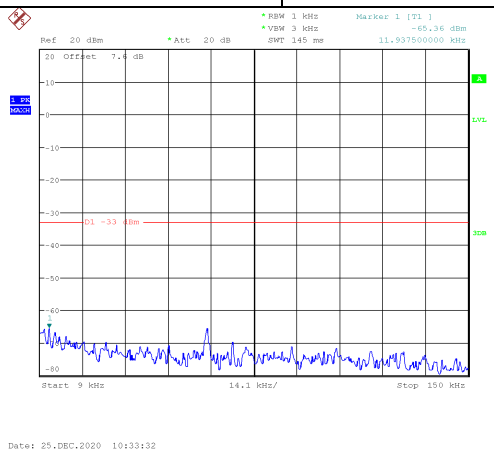
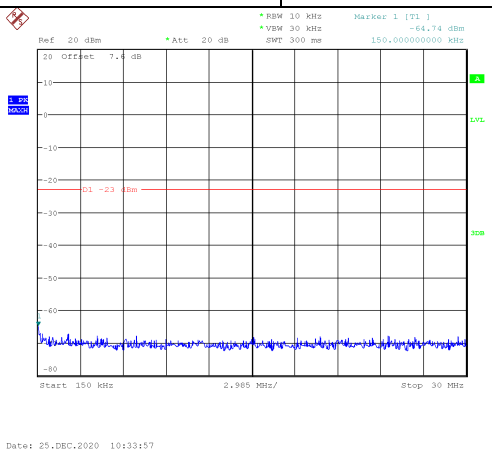
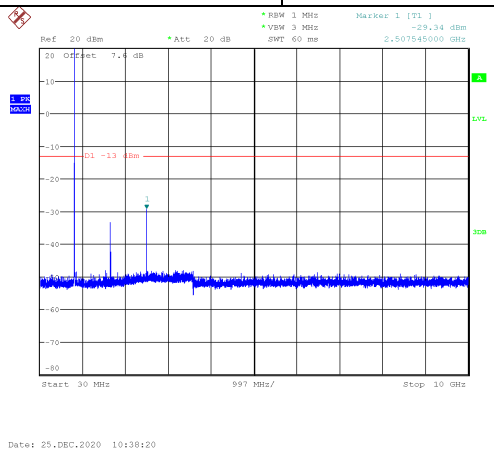
GSM850 Spectrum Plot

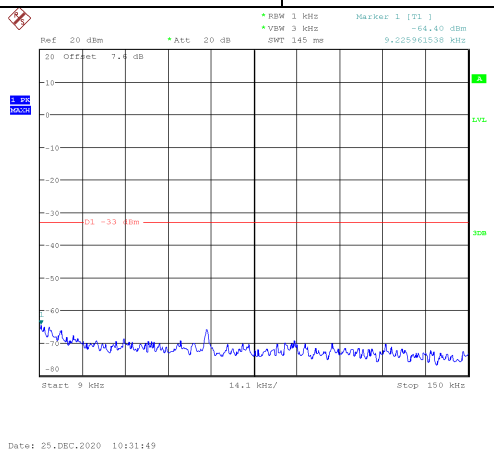
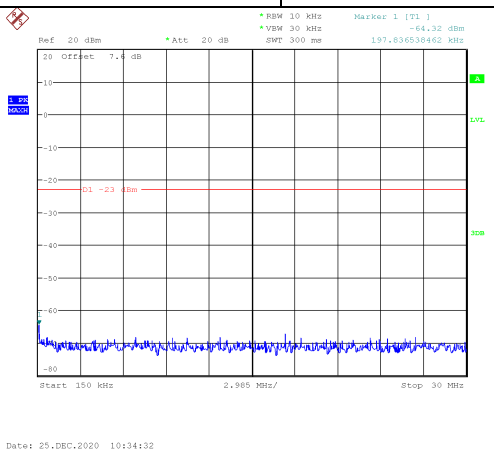
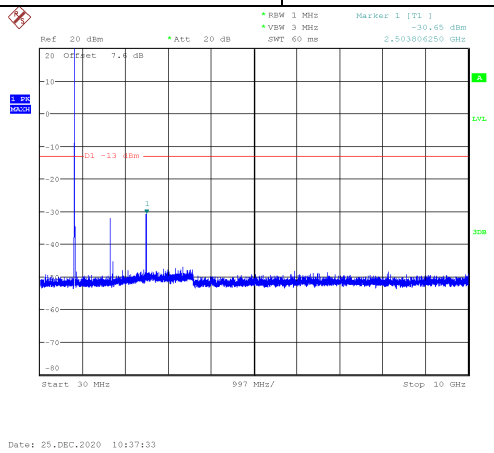
GSM		GSM	
Channel	Frequency(MHz)	Channel	Frequency(MHz)
190	836.6	190	836.6
			

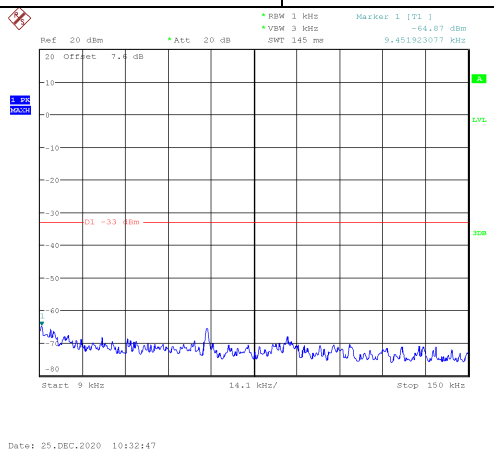
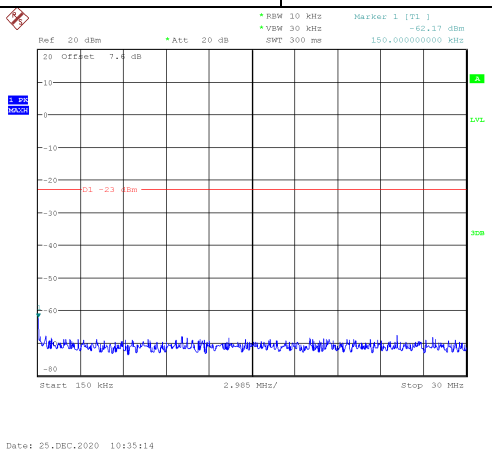
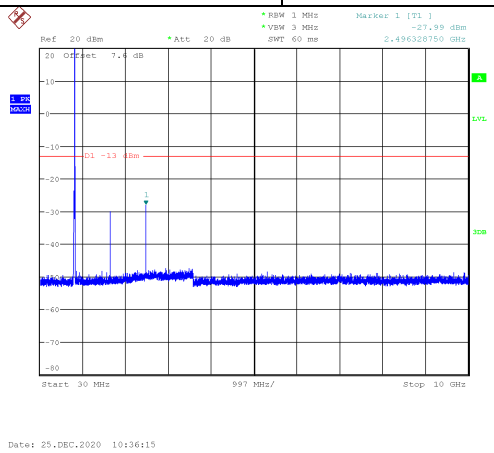
GSM		EDGE	
Channel	Frequency(MHz)	Channel	Frequency(MHz)
190	836.6	190	836.6
			

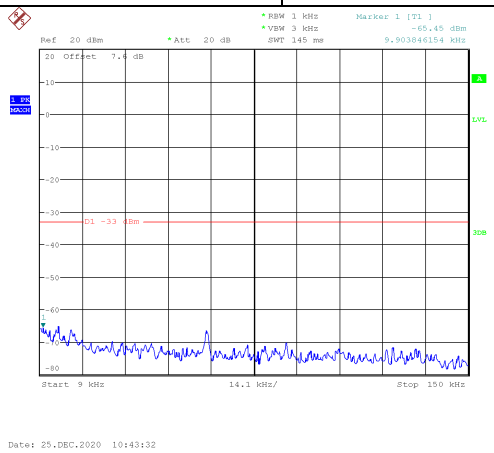
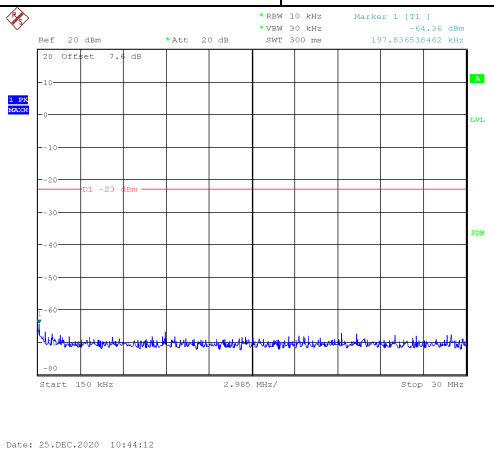
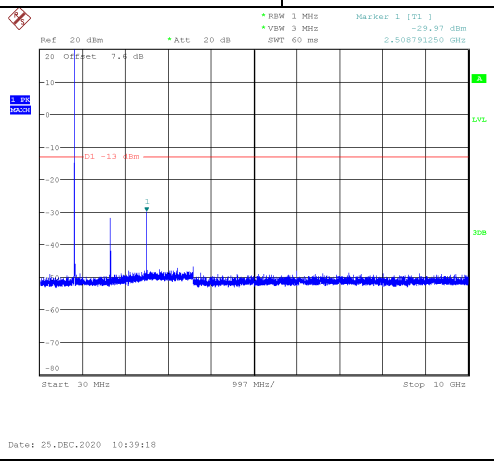
EDGE		EDGE	
Channel	Frequency(MHz)	Channel	Frequency(MHz)
190	836.6	190	836.6
			

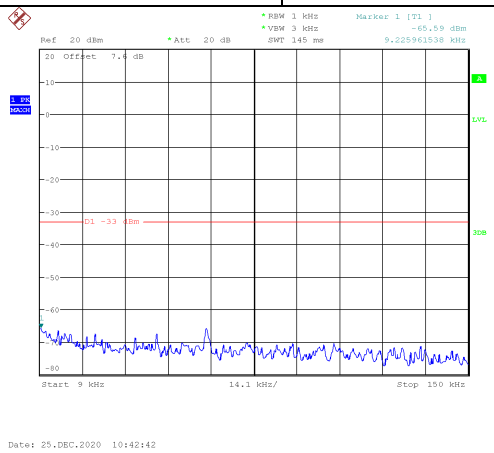
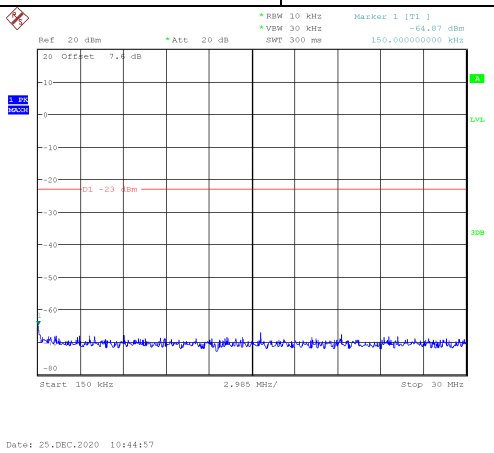
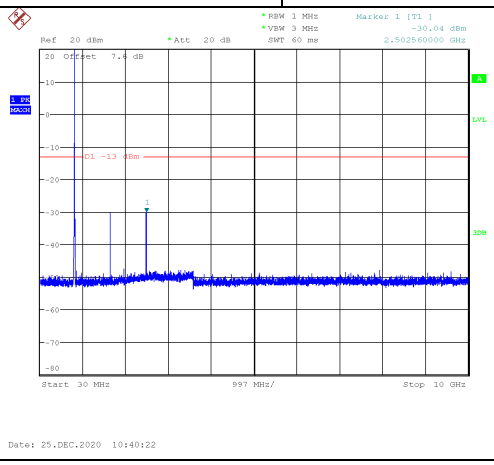
WCDMA Band V_WCDMA Spectrum Plot			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
4182	836.4	4182	836.4
			
Channel	Frequency(MHz)	-	-
4182	836.4	-	-
		-	

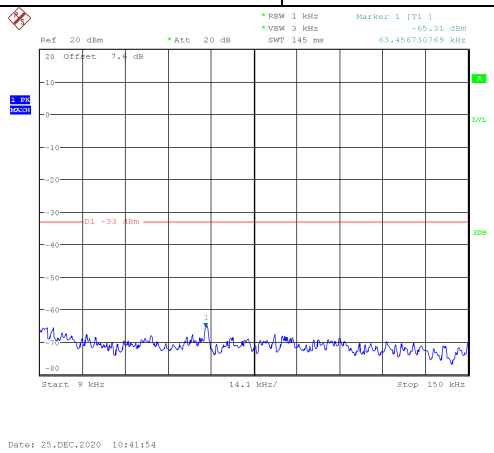
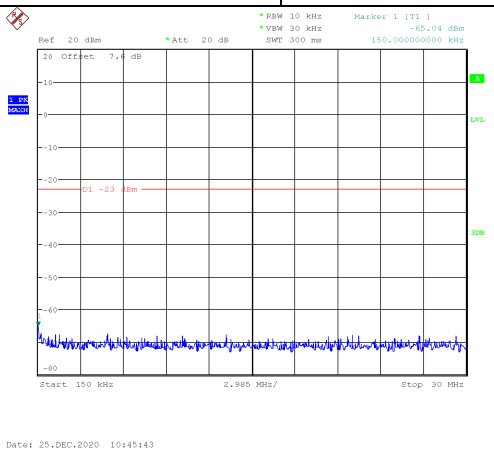
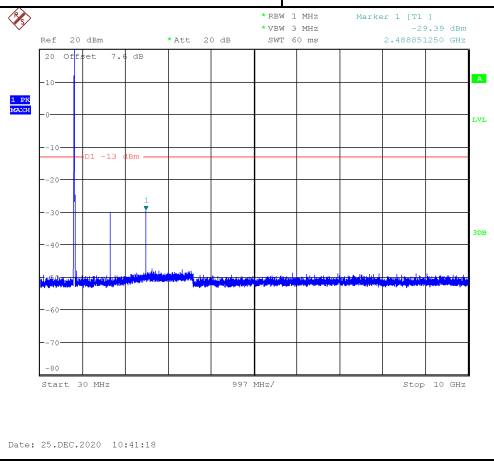
LTE Band 5_1.4M Spectrum Plot			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
20525	836.5	20525	836.5
			
Channel	Frequency(MHz)	-	-
20525	836.5	-	-
		-	

LTE Band 5_5M Spectrum Plot			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
20525	836.5	20525	836.5
			
Channel	Frequency(MHz)	-	-
20525	836.5	-	-
		-	

LTE Band 5_10M Spectrum Plot			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
20525	836.5	20525	836.5
			
Channel	Frequency(MHz)	-	-
20525	836.5	-	-
		-	

LTE Band 26_1.4M Spectrum Plot			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
26915	836.5	26915	836.5
			
Channel	Frequency(MHz)	-	-
26915	836.5	-	-
		-	

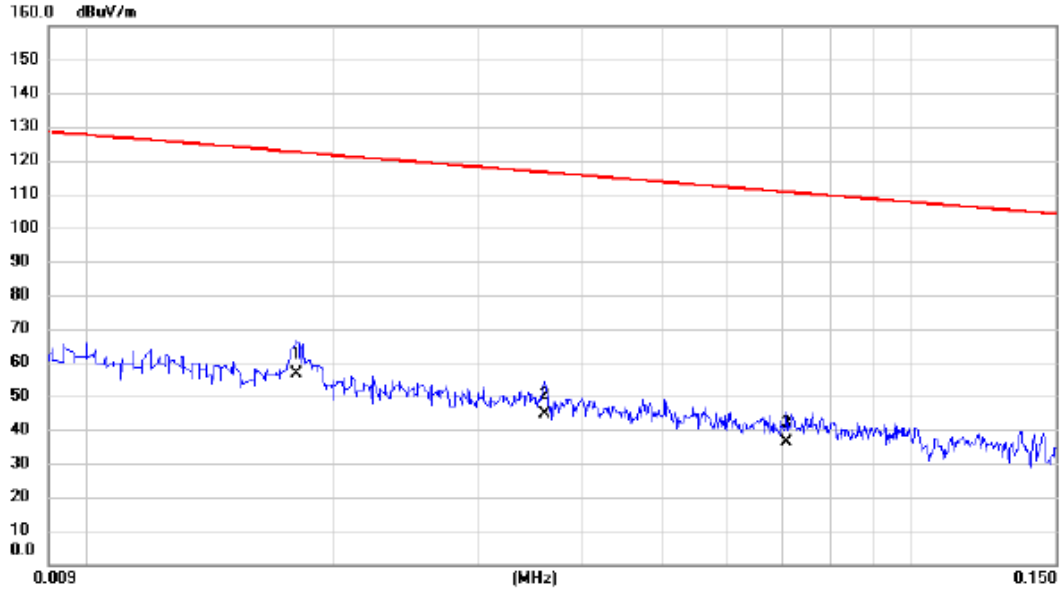
LTE Band 26_5M Spectrum Plot			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
26915	836.5	26915	836.5
			
Channel	Frequency(MHz)	-	-
26915	836.5	-	-
		-	

LTE Band 26_15M Spectrum Plot			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
26915	836.5	26915	836.5
			
Channel	Frequency(MHz)	-	-
26915	836.5	-	-
		-	

APPENDIX D - RADIATED SPURIOUS EMISSIONS (9KHZ TO 30MHZ)

Test Mode	TX Mode

Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.018	42.65	13.84	56.49	122.50	-66.01	AVG	
2		0.036	31.74	12.79	44.53	116.48	-71.95	AVG	
3		0.071	23.58	12.54	36.12	110.62	-74.50	AVG	