

Occupied Bandwidth

Mode	Channel	Frequency (MHz)	99% Power	-26dBc Bandwidth(MHz)
			Bandwidth (MHz)	
GSM 850 (GSM)	128	824.2	0.245	0.310
	190	836.6	0.248	0.313
	251	848.8	0.243	0.315
GPRS 850 (GMSK)	128	824.2	0.251	0.311
	190	836.6	0.243	0.312
	251	848.8	0.245	0.310
EGPRS 850 (8-PSK)	128	824.2	0.254	0.317
	190	836.6	0.251	0.312
	251	848.8	0.242	0.308
Mode	Channel	Frequency (MHz)	99% Power	-26dBc Bandwidth(MHz)
			Bandwidth (MHz)	
GSM 1900 (GSM)	512	1850.2	0.250	0.313
	661	1880	0.246	0.306
	810	1909.8	0.244	0.316
GPRS 1900 (GMSK)	512	1850.2	0.249	0.313
	661	1880	0.242	0.310
	810	1909.8	0.247	0.313
EGPRS 1900 (8-PSK)	512	1850.2	0.246	0.309
	661	1880	0.247	0.314
	810	1909.8	0.248	0.315

Mode	Channel	Frequency (MHz)	99% Power Bandwidth (MHz)	-26dBc Bandwidth(MHz)
WCDMA B2	9262	1852.4	4.17	4.65
	9400	1880	4.17	4.68
	9538	1907.6	4.16	4.65
Mode	Channel	Frequency (MHz)	99% Power Bandwidth (MHz)	-26dBc Bandwidth(MHz)
WCDMA B4	1312	1712.4	4.18	4.75
	1413	1732.6	4.16	4.67
	1513	1752.6	4.18	4.67
Mode	Channel	Frequency (MHz)	99% Power Bandwidth (MHz)	-26dBc Bandwidth(MHz)
WCDMA B5	4132	826.4	4.16	4.66
	4183	836.6	4.14	4.66
	4233	846.6	4.14	4.66

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)
Band2	1.4	18607	6	#0	QPSK	1.096	1.273
Band2	1.4	18607	6	#0	16QAM	1.097	1.264
Band2	1.4	18900	6	#0	QPSK	1.091	1.252
Band2	1.4	18900	6	#0	16QAM	1.096	1.262
Band2	1.4	19193	6	#0	QPSK	1.092	1.261
Band2	1.4	19193	6	#0	16QAM	1.100	1.298
Band2	3	18615	15	#0	QPSK	2.697	2.876
Band2	3	18615	15	#0	16QAM	2.688	2.904
Band2	3	18900	15	#0	QPSK	2.694	2.923
Band2	3	18900	15	#0	16QAM	2.689	2.928
Band2	3	19185	15	#0	QPSK	2.693	2.923
Band2	3	19185	15	#0	16QAM	2.691	2.906
Band2	5	18625	25	#0	QPSK	4.498	4.839
Band2	5	18625	25	#0	16QAM	4.511	5.245
Band2	5	18900	25	#0	QPSK	4.479	4.871
Band2	5	18900	25	#0	16QAM	4.503	4.885
Band2	5	19175	25	#0	QPSK	4.495	4.851
Band2	5	19175	25	#0	16QAM	4.499	4.850
Band2	10	18650	50	#0	QPSK	8.978	9.616
Band2	10	18650	50	#0	16QAM	8.973	9.604
Band2	10	18900	50	#0	QPSK	8.957	9.707
Band2	10	18900	50	#0	16QAM	8.941	9.474
Band2	10	19150	50	#0	QPSK	9.003	9.619
Band2	10	19150	50	#0	16QAM	8.975	9.520
Band2	15	18675	75	#0	QPSK	13.407	14.498
Band2	15	18675	75	#0	16QAM	13.415	14.324
Band2	15	18900	75	#0	QPSK	13.461	14.642
Band2	15	18900	75	#0	16QAM	13.440	14.351
Band2	15	19125	75	#0	QPSK	13.457	14.503
Band2	15	19125	75	#0	16QAM	13.510	14.442
Band2	20	18700	100	#0	QPSK	17.942	19.405
Band2	20	18700	100	#0	16QAM	17.934	19.144
Band2	20	18900	100	#0	QPSK	17.959	19.193
Band2	20	18900	100	#0	16QAM	17.915	19.254
Band2	20	19100	100	#0	QPSK	17.939	18.984
Band2	20	19100	100	#0	16QAM	17.899	19.191

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)
Band4	1.4	19957	6	#0	QPSK	1.092	1.275
Band4	1.4	19957	6	#0	16QAM	1.093	1.293
Band4	1.4	20175	6	#0	QPSK	1.097	1.283
Band4	1.4	20175	6	#0	16QAM	1.094	1.293
Band4	1.4	20393	6	#0	QPSK	1.095	1.270
Band4	1.4	20393	6	#0	16QAM	1.092	1.244
Band4	3	19965	15	#0	QPSK	2.689	2.912
Band4	3	19965	15	#0	16QAM	2.686	2.907
Band4	3	20175	15	#0	QPSK	2.695	2.940
Band4	3	20175	15	#0	16QAM	2.687	2.905
Band4	3	20385	15	#0	QPSK	2.699	2.874
Band4	3	20385	15	#0	16QAM	2.690	2.923
Band4	5	19975	25	#0	QPSK	4.503	4.956
Band4	5	19975	25	#0	16QAM	4.484	4.819
Band4	5	20175	25	#0	QPSK	4.490	4.907
Band4	5	20175	25	#0	16QAM	4.499	4.901
Band4	5	20375	25	#0	QPSK	4.502	4.889
Band4	5	20375	25	#0	16QAM	4.499	4.925
Band4	10	20000	50	#0	QPSK	8.982	9.661
Band4	10	20000	50	#0	16QAM	8.951	9.597
Band4	10	20175	50	#0	QPSK	9.002	9.703
Band4	10	20175	50	#0	16QAM	8.986	9.491
Band4	10	20350	50	#0	QPSK	9.002	9.668
Band4	10	20350	50	#0	16QAM	8.989	9.564
Band4	15	20025	75	#0	QPSK	13.470	14.497
Band4	15	20025	75	#0	16QAM	13.420	14.519
Band4	15	20175	75	#0	QPSK	13.413	14.392
Band4	15	20175	75	#0	16QAM	13.462	14.476
Band4	15	20325	75	#0	QPSK	13.438	15.116
Band4	15	20325	75	#0	16QAM	13.445	14.440
Band4	20	20050	100	#0	QPSK	17.957	19.228
Band4	20	20050	100	#0	16QAM	17.905	19.146
Band4	20	20175	100	#0	QPSK	17.904	19.352
Band4	20	20175	100	#0	16QAM	17.917	19.125
Band4	20	20300	100	#0	QPSK	17.971	19.360
Band4	20	20300	100	#0	16QAM	17.973	19.342

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)
Band5	1.4	20407	6	#0	QPSK	1.098	1.266
Band5	1.4	20407	6	#0	16QAM	1.092	1.278
Band5	1.4	20525	6	#0	QPSK	1.094	1.270
Band5	1.4	20525	6	#0	16QAM	1.095	1.277
Band5	1.4	20643	6	#0	QPSK	1.091	1.273
Band5	1.4	20643	6	#0	16QAM	1.098	1.269
Band5	3	20415	15	#0	QPSK	2.682	2.897
Band5	3	20415	15	#0	16QAM	2.695	2.907
Band5	3	20525	15	#0	QPSK	2.686	2.905
Band5	3	20525	15	#0	16QAM	2.695	2.907
Band5	3	20635	15	#0	QPSK	2.689	2.901
Band5	3	20635	15	#0	16QAM	2.689	2.920
Band5	5	20425	25	#0	QPSK	4.485	4.918
Band5	5	20425	25	#0	16QAM	4.479	4.906
Band5	5	20525	25	#0	QPSK	4.489	4.896
Band5	5	20525	25	#0	16QAM	4.511	4.925
Band5	5	20625	25	#0	QPSK	4.495	4.802
Band5	5	20625	25	#0	16QAM	4.482	4.824
Band5	10	20450	50	#0	QPSK	8.986	9.652
Band5	10	20450	50	#0	16QAM	8.992	9.611
Band5	10	20525	50	#0	QPSK	8.998	9.583
Band5	10	20525	50	#0	16QAM	8.955	9.623
Band5	10	20600	50	#0	QPSK	8.961	9.534
Band5	10	20600	50	#0	16QAM	8.984	9.682

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)
Band7	5	20775	25	#0	QPSK	4.493	4.824
Band7	5	20775	25	#0	16QAM	4.516	4.835
Band7	5	21100	25	#0	QPSK	4.498	4.914
Band7	5	21100	25	#0	16QAM	4.492	4.870
Band7	5	21425	25	#0	QPSK	4.503	4.904
Band7	5	21425	25	#0	16QAM	4.516	4.895
Band7	10	20800	50	#0	QPSK	8.966	9.598
Band7	10	20800	50	#0	16QAM	8.984	9.643
Band7	10	21100	50	#0	QPSK	9.014	9.580
Band7	10	21100	50	#0	16QAM	8.951	9.667
Band7	10	21400	50	#0	QPSK	8.987	9.628
Band7	10	21400	50	#0	16QAM	8.972	9.627

Band7	15	20825	75	#0	QPSK	13.471	14.688
Band7	15	20825	75	#0	16QAM	13.504	14.430
Band7	15	21100	75	#0	QPSK	13.463	14.364
Band7	15	21100	75	#0	16QAM	13.424	14.430
Band7	15	21375	75	#0	QPSK	13.463	14.542
Band7	15	21375	75	#0	16QAM	13.442	14.469
Band7	20	20850	100	#0	QPSK	17.964	19.267
Band7	20	20850	100	#0	16QAM	17.905	19.019
Band7	20	21100	100	#0	QPSK	17.952	19.215
Band7	20	21100	100	#0	16QAM	17.979	19.157
Band7	20	21350	100	#0	QPSK	17.938	19.090
Band7	20	21350	100	#0	16QAM	17.934	19.124

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)
Band26(814-824)	1.4	26697	6	#0	QPSK	1.096	1.279
Band26(814-824)	1.4	26697	6	#0	16QAM	1.092	1.267
Band26(814-824)	1.4	26740	6	#0	QPSK	1.099	1.270
Band26(814-824)	1.4	26740	6	#0	16QAM	1.097	1.241
Band26(814-824)	1.4	26783	6	#0	QPSK	1.094	1.273
Band26(814-824)	1.4	26783	6	#0	16QAM	1.090	1.253
Band26(814-824)	3	26705	15	#0	QPSK	2.691	2.899
Band26(814-824)	3	26705	15	#0	16QAM	2.688	2.920
Band26(814-824)	3	26740	15	#0	QPSK	2.695	2.905
Band26(814-824)	3	26740	15	#0	16QAM	2.700	2.900
Band26(814-824)	3	26775	15	#0	QPSK	2.690	2.912
Band26(814-824)	3	26775	15	#0	16QAM	2.696	2.894
Band26(814-824)	5	26715	25	#0	QPSK	4.503	4.861
Band26(814-824)	5	26715	25	#0	16QAM	4.514	4.820
Band26(814-824)	5	26740	25	#0	QPSK	4.497	4.960
Band26(814-824)	5	26740	25	#0	16QAM	4.515	4.898
Band26(814-824)	5	26765	25	#0	QPSK	4.484	4.850
Band26(814-824)	5	26765	25	#0	16QAM	4.498	4.860
Band26(814-824)	10	26740	50	#0	QPSK	8.965	9.624
Band26(814-824)	10	26740	50	#0	16QAM	8.963	9.715

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)
Band26(824-849)	1.4	26797	6	#0	QPSK	1.091	1.248
Band26(824-849)	1.4	26797	6	#0	16QAM	1.098	1.277
Band26(824-849)	1.4	26915	6	#0	QPSK	1.094	1.274
Band26(824-849)	1.4	26915	6	#0	16QAM	1.094	1.270

Band26(824-849)	1.4	27033	6	#0	QPSK	1.091	1.274
Band26(824-849)	1.4	27033	6	#0	16QAM	1.096	1.278
Band26(824-849)	3	26805	15	#0	QPSK	2.686	2.882
Band26(824-849)	3	26805	15	#0	16QAM	2.686	2.903
Band26(824-849)	3	26915	15	#0	QPSK	2.688	2.897
Band26(824-849)	3	26915	15	#0	16QAM	2.690	2.911
Band26(824-849)	3	27025	15	#0	QPSK	2.693	2.908
Band26(824-849)	3	27025	15	#0	16QAM	2.680	2.911
Band26(824-849)	5	26815	25	#0	QPSK	4.499	4.873
Band26(824-849)	5	26815	25	#0	16QAM	4.501	4.794
Band26(824-849)	5	26915	25	#0	QPSK	4.508	4.941
Band26(824-849)	5	26915	25	#0	16QAM	4.499	4.854
Band26(824-849)	5	27015	25	#0	QPSK	4.494	4.847
Band26(824-849)	5	27015	25	#0	16QAM	4.486	4.863
Band26(824-849)	10	26840	50	#0	QPSK	8.979	9.700
Band26(824-849)	10	26840	50	#0	16QAM	8.997	9.638
Band26(824-849)	10	26915	50	#0	QPSK	8.976	9.709
Band26(824-849)	10	26915	50	#0	16QAM	8.974	9.640
Band26(824-849)	10	26990	50	#0	QPSK	8.985	9.608
Band26(824-849)	10	26990	50	#0	16QAM	8.978	9.599
Band26(824-849)	15	26865	75	#0	QPSK	13.419	14.481
Band26(824-849)	15	26865	75	#0	16QAM	13.453	14.537
Band26(824-849)	15	26915	75	#0	QPSK	13.445	14.418
Band26(824-849)	15	26915	75	#0	16QAM	13.483	14.398
Band26(824-849)	15	26965	75	#0	QPSK	13.447	14.492
Band26(824-849)	15	26965	75	#0	16QAM	13.512	14.336

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)
Band38	5	37775	25	#0	QPSK	4.490	4.925
Band38	5	37775	25	#0	16QAM	4.508	4.882
Band38	5	38000	25	#0	QPSK	4.487	4.817
Band38	5	38000	25	#0	16QAM	4.509	4.864
Band38	5	38225	25	#0	QPSK	4.505	4.873
Band38	5	38225	25	#0	16QAM	4.489	4.814
Band38	10	37800	50	#0	QPSK	8.997	9.574
Band38	10	37800	50	#0	16QAM	9.008	9.685
Band38	10	38000	50	#0	QPSK	8.985	9.567
Band38	10	38000	50	#0	16QAM	8.972	9.549
Band38	10	38200	50	#0	QPSK	8.990	9.526
Band38	10	38200	50	#0	16QAM	8.969	9.685
Band38	15	37825	75	#0	QPSK	13.466	14.166
Band38	15	37825	75	#0	16QAM	13.459	14.185

Band38	15	38000	75	#0	QPSK	13.461	14.562
Band38	15	38000	75	#0	16QAM	13.462	14.194
Band38	15	38175	75	#0	QPSK	13.496	14.220
Band38	15	38175	75	#0	16QAM	13.443	15.178
Band38	20	37850	100	#0	QPSK	17.990	19.140
Band38	20	37850	100	#0	16QAM	17.946	19.341
Band38	20	38000	100	#0	QPSK	17.897	20.916
Band38	20	38000	100	#0	16QAM	17.946	19.180
Band38	20	38150	100	#0	QPSK	17.925	19.194
Band38	20	38150	100	#0	16QAM	17.887	18.951

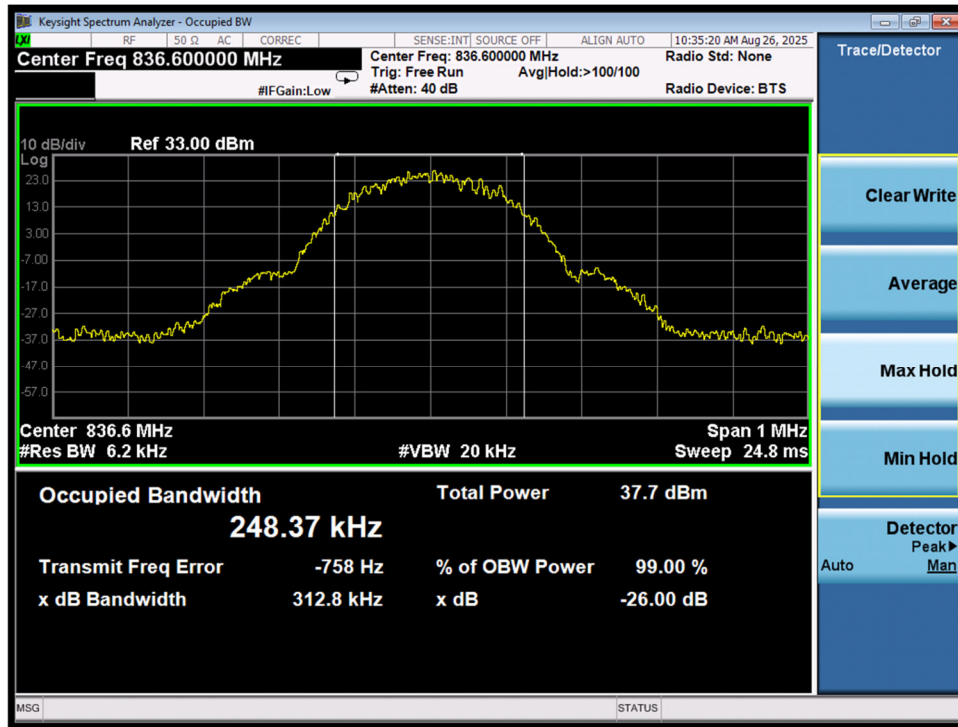
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)
Band41	5	39675	25	#0	QPSK	4.490	4.836
Band41	5	39675	25	#0	16QAM	4.481	4.772
Band41	5	40620	25	#0	QPSK	4.503	4.929
Band41	5	40620	25	#0	16QAM	4.499	4.805
Band41	5	41565	25	#0	QPSK	4.506	4.889
Band41	5	41565	25	#0	16QAM	4.506	5.263
Band41	10	39700	50	#0	QPSK	9.019	9.511
Band41	10	39700	50	#0	16QAM	8.992	9.761
Band41	10	40620	50	#0	QPSK	8.945	9.555
Band41	10	40620	50	#0	16QAM	8.961	9.654
Band41	10	41540	50	#0	QPSK	8.994	9.812
Band41	10	41540	50	#0	16QAM	8.927	9.966
Band41	15	39725	75	#0	QPSK	13.456	15.069
Band41	15	39725	75	#0	16QAM	13.468	14.355
Band41	15	40620	75	#0	QPSK	13.413	14.707
Band41	15	40620	75	#0	16QAM	13.453	14.334
Band41	15	41515	75	#0	QPSK	13.454	14.212
Band41	15	41515	75	#0	16QAM	13.409	14.234
Band41	20	39750	100	#0	QPSK	17.973	19.910
Band41	20	39750	100	#0	16QAM	17.904	18.948
Band41	20	40620	100	#0	QPSK	17.928	19.047
Band41	20	40620	100	#0	16QAM	17.937	19.174
Band41	20	41490	100	#0	QPSK	17.918	18.865
Band41	20	41490	100	#0	16QAM	17.915	19.017



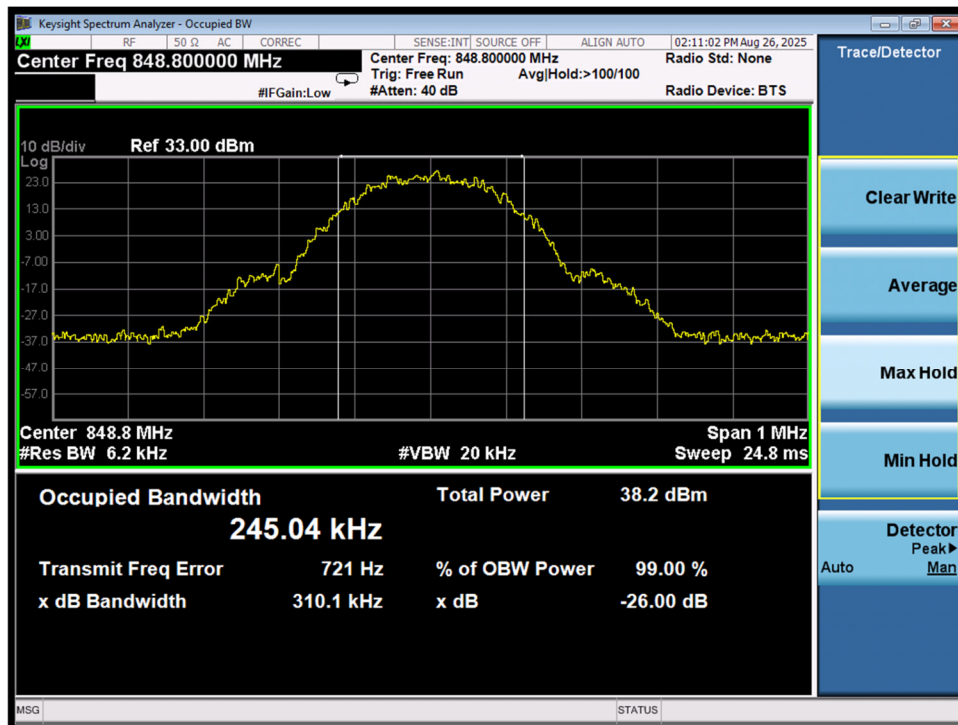
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OCB\GSM850\GSM\L



OCB\GSM850\GSM\M



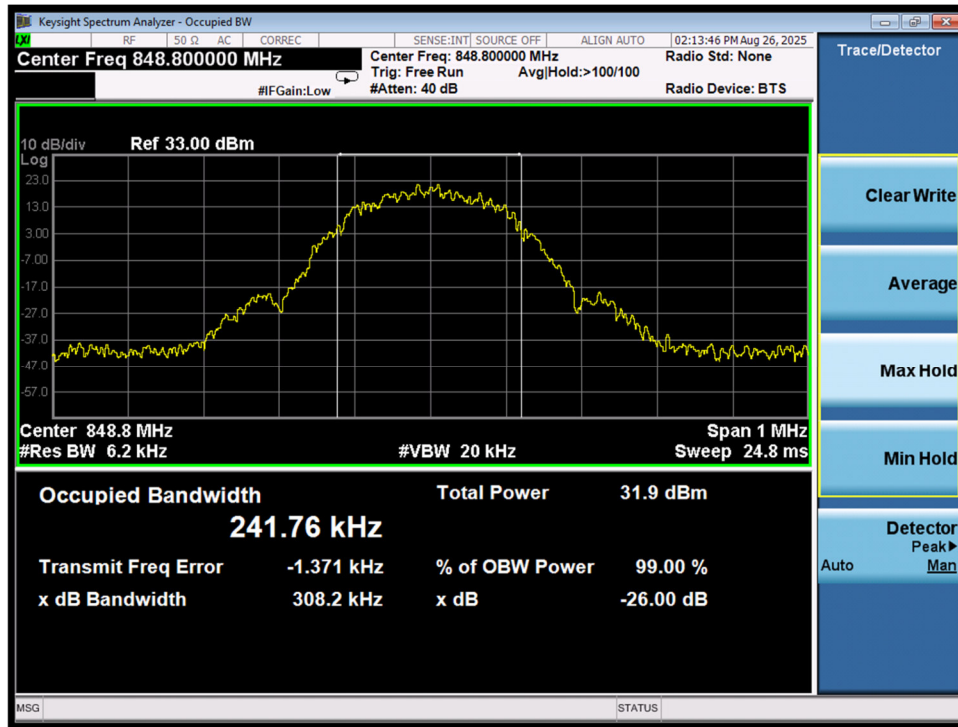
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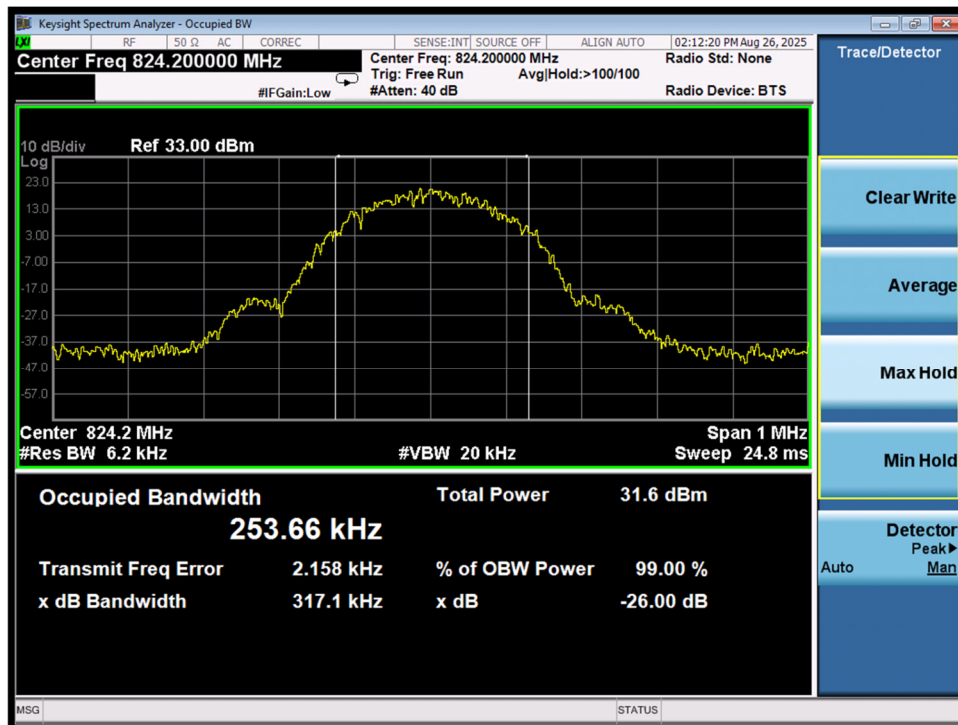
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OCB\GSM850\GPRS\M



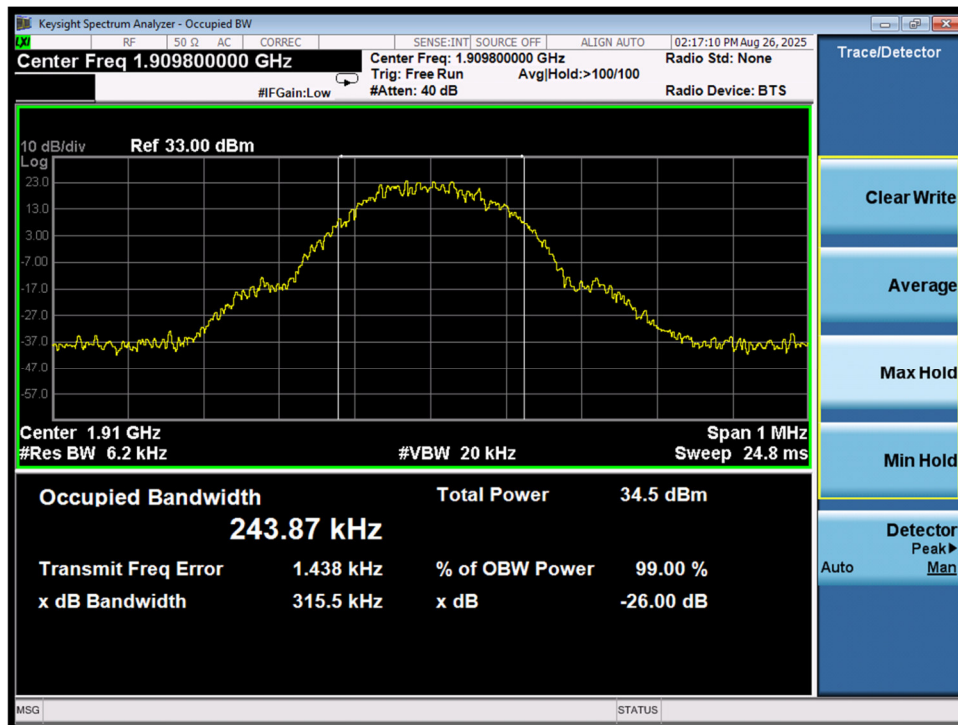
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OCB\GSM850\EGPRS\L



OCB\GSM850\EGPRS\M



OCB\GSM1900\GSMH