



Band4_20MHz_16QAM_20175_100RB#0



Band4_20MHz_16QAM_20300_100RB#0



5. Modulation Characteristic

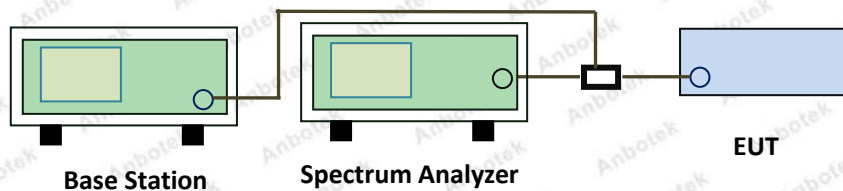
According to FCC § 2.1047(d), Part 22H, Part 24E& Part 27 there is no specific requirement for digital modulation, therefore modulation characteristic is not presented.

6. Occupied Bandwidth

6.1. Test Standard and Limit

Spec	Item	Requirement
§2.1049, §22.917, §22.905 §24.238 §27.53(a)	a)	99% Occupied Bandwidth(kHz)
	b)	26 dB Bandwidth(kHz)

6.2. Test Setup



6.3. Test Procedure

1. The EUT's output RF connector was connected with a short cable to the spectrum analyzer
2. RBW was set to about 1% of emission BW, VBW= 3 times RBW.
3. -26dBc display line was placed on the screen (or 99% bandwidth), the occupied bandwidth is the delta frequency between the two points where the display line intersects the signal trace.

6.4. Test Data

Cellular Band (Part 22H) result/PCS Band (Part 24E) result:

GSM Mode:

Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Verdict
GSM850	128	247.4	308	PASS
GSM850	190	245.5	317	PASS
GSM850	251	246.2	310	PASS
GPRS850	128	244.8	307	PASS
GPRS850	190	247.4	312	PASS
GPRS850	251	243.9	316	PASS
GSM1900	512	245.8	312	PASS
GSM1900	661	241.5	316	PASS
GSM1900	810	244.0	305	PASS
GPRS1900	512	244.1	310	PASS
GPRS1900	661	243.3	317	PASS
GPRS1900	810	247.9	314	PASS

WCDMA Mode:

Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Verdict
Band II	9262	4127.3	4746	PASS
Band II	9400	4126.9	4694	PASS
Band II	9538	4126.6	4684	PASS
Band V	4132	4104.4	4687	PASS
Band V	4182	4129.2	4682	PASS
Band V	4233	4115.7	4717	PASS

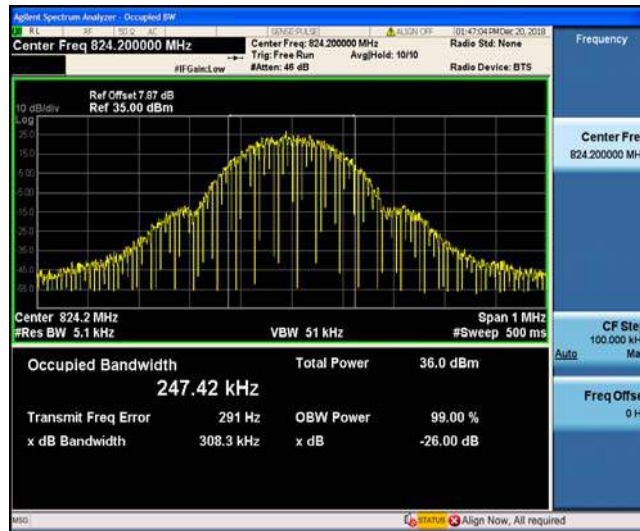
LTE Mode:

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.0919	1.289	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.0872	1.255	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.0917	1.263	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.0953	1.309	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.0900	1.272	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.0955	1.287	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.6938	2.926	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.6903	2.926	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.6949	2.934	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.6970	2.955	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.6923	2.932	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.6925	2.944	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.5019	4.921	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.4939	5.353	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.5011	4.918	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.5051	4.914	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.4938	4.827	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.5001	4.894	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.9331	9.566	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.9057	9.398	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.9372	9.456	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.9272	9.530	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.9323	9.419	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.9221	9.412	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.397	14.11	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.371	14.01	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.402	14.09	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.399	14.06	PASS

Band2	15MHz	16QAM	18900	75RB#0	13.380	14.06	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.395	14.05	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.837	18.61	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.822	18.60	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.836	18.58	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.834	18.63	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.822	18.59	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.834	18.64	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	1.0912	1.296	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0916	1.280	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0870	1.256	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.0958	1.287	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0939	1.267	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.0906	1.261	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.6928	2.936	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6967	2.926	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.6960	2.930	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.6955	2.938	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6934	2.922	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6972	2.917	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.4989	4.886	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.4885	4.866	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.5022	4.869	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.5002	4.888	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.4904	4.811	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.4931	4.877	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.9393	9.505	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9187	9.435	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.9179	9.388	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.9196	9.471	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9262	9.436	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.9031	9.390	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.387	14.09	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.377	14.09	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.385	14.04	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.390	14.09	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.381	14.05	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.374	14.06	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.814	18.61	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.804	18.56	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.818	18.60	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.816	18.61	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.810	18.57	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.810	18.66	PASS

Test Graphs

GSM850_128



GSM850_190



GSM850_251



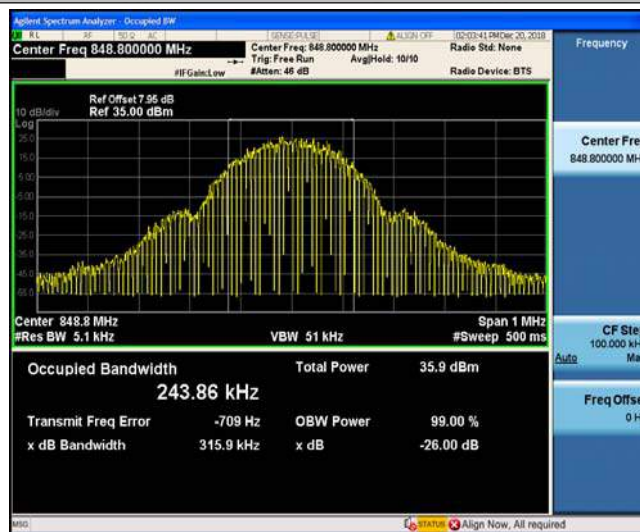
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GPRS850_190



GPRS850_251



GSM1900_512



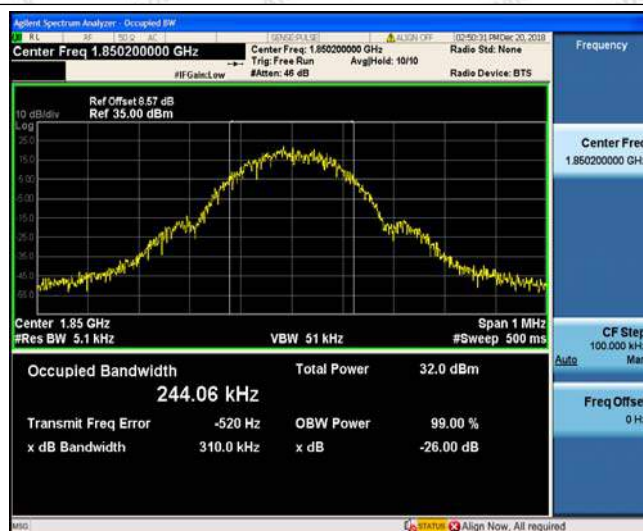
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GSM1900_810



GPRS1900_512

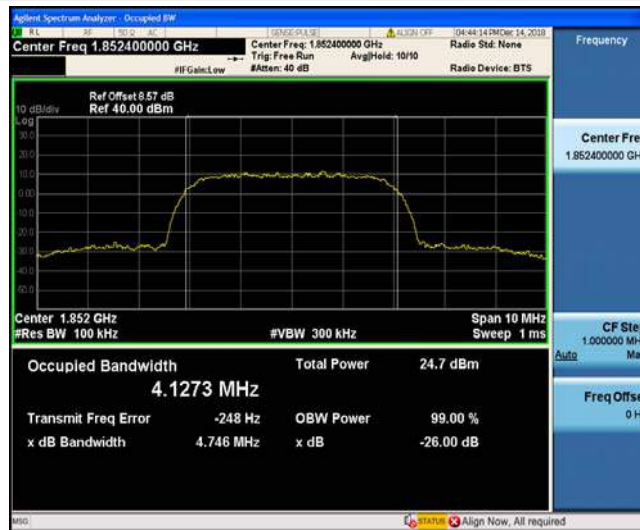


GPRS1900_661



GPRS1900_810





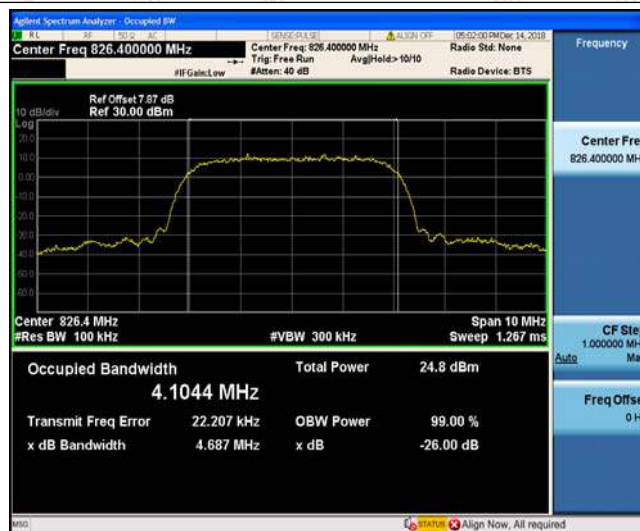
Band II_9262



Band II_9400



Band II_9538



Band V_4132

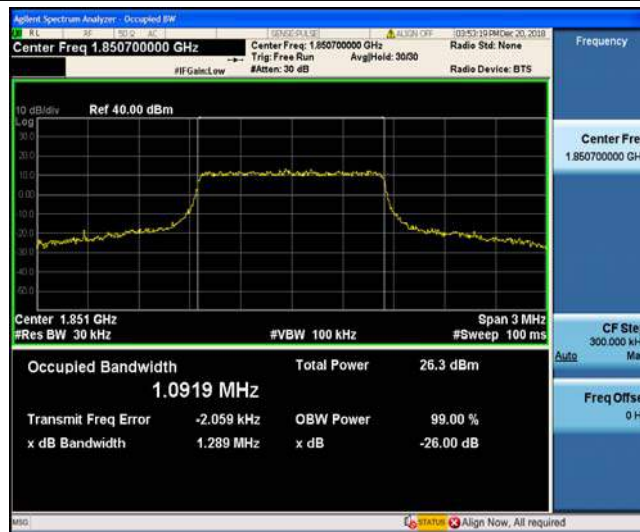


Band V_4182



Band V_4233

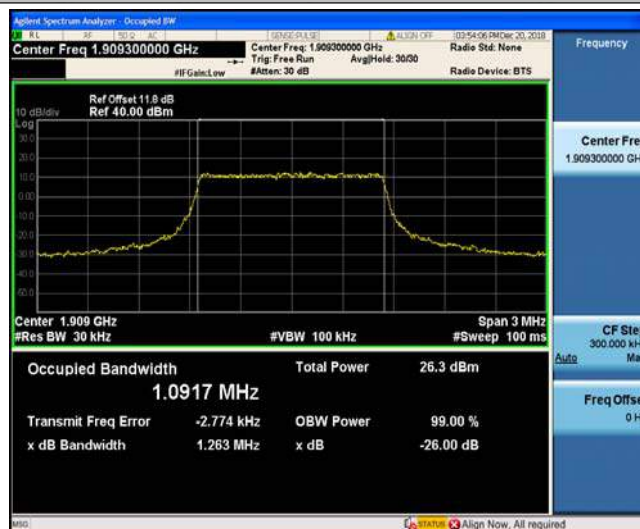
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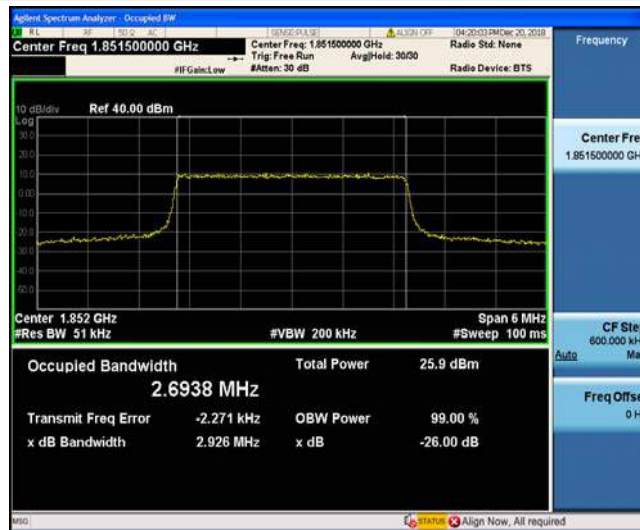
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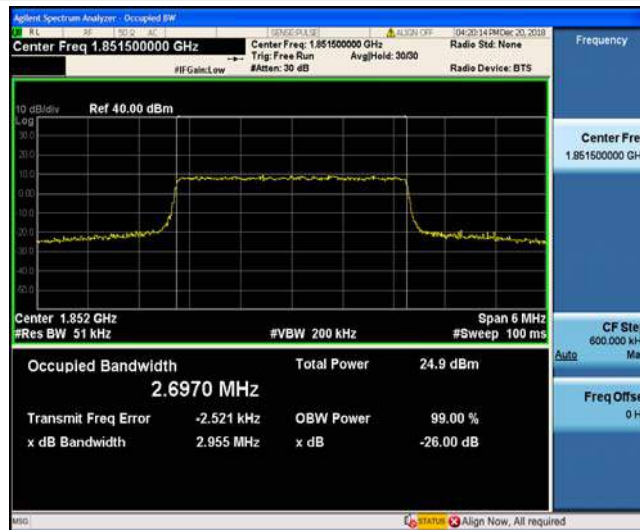
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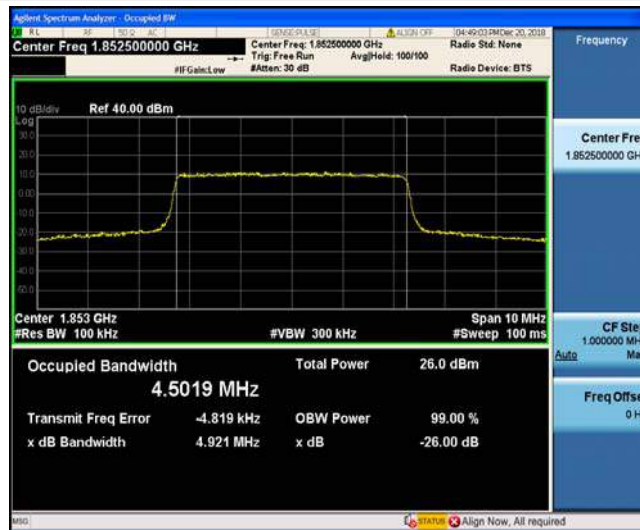
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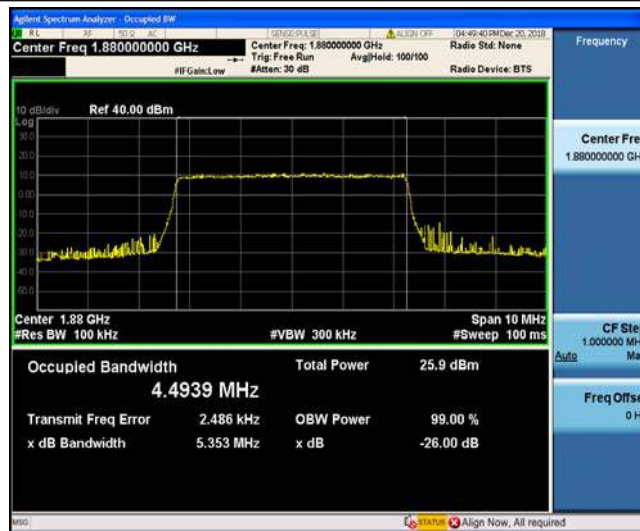
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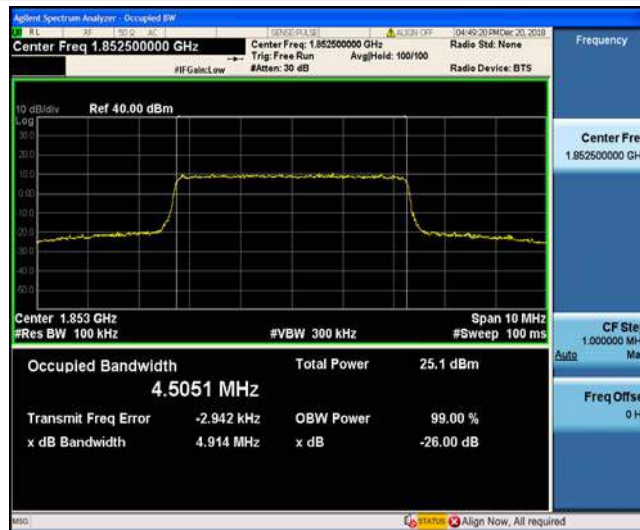
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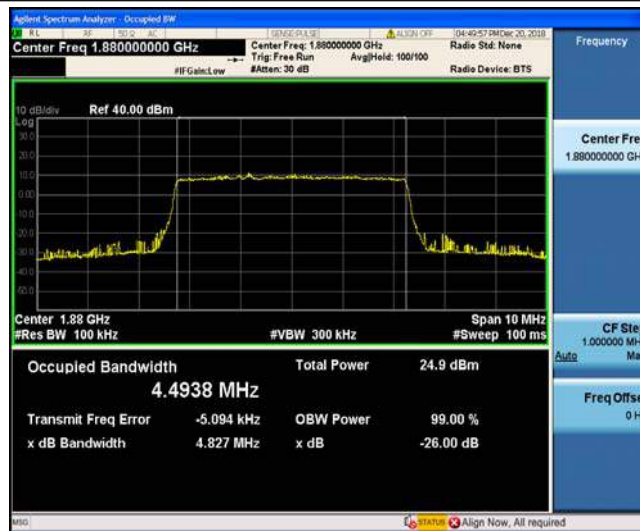
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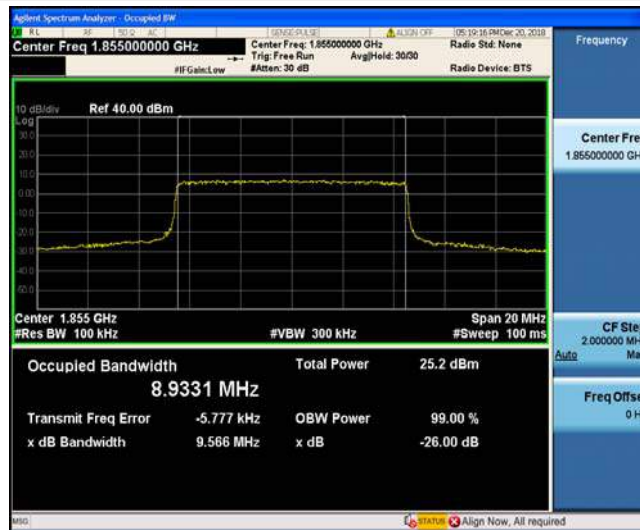
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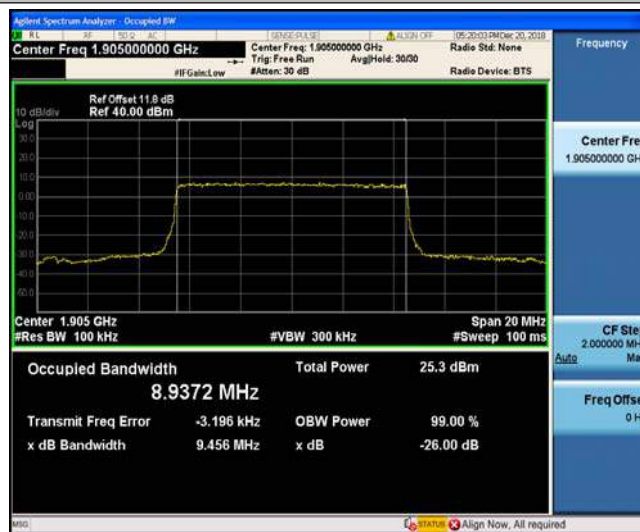
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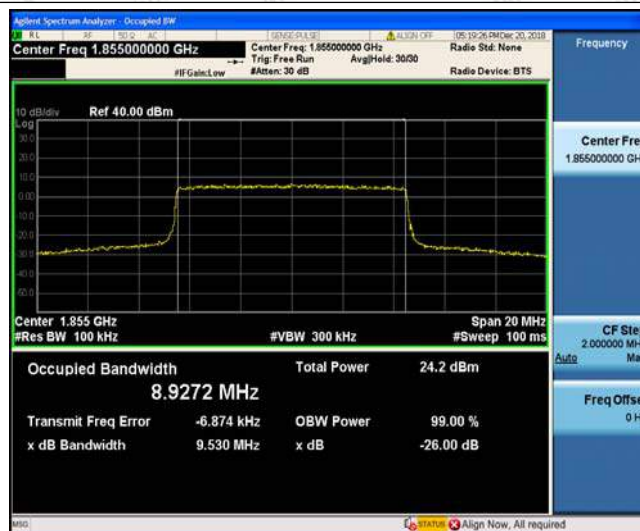
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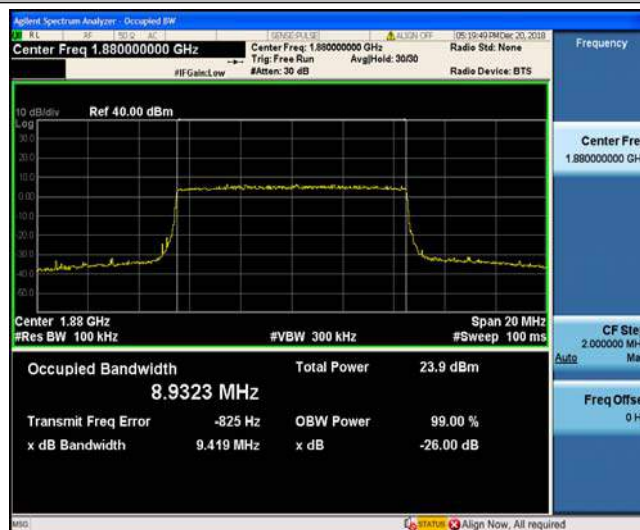
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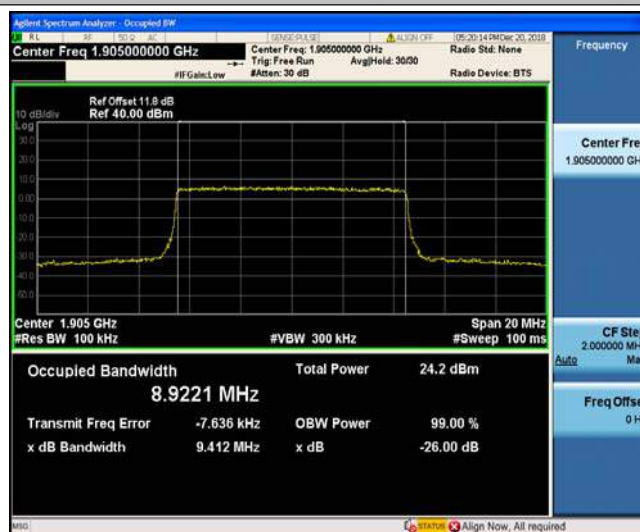
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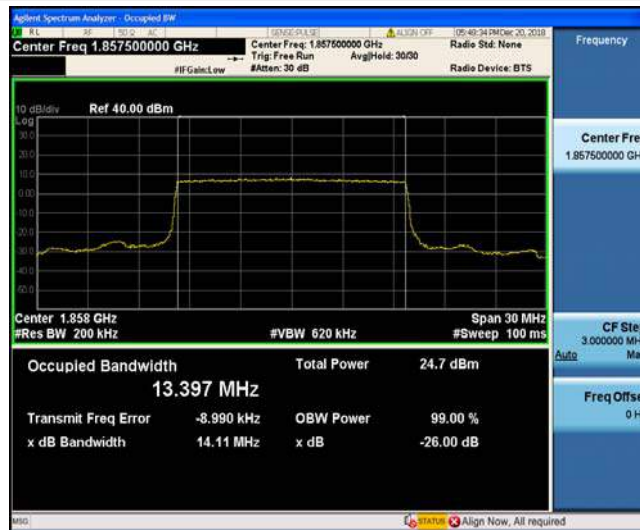
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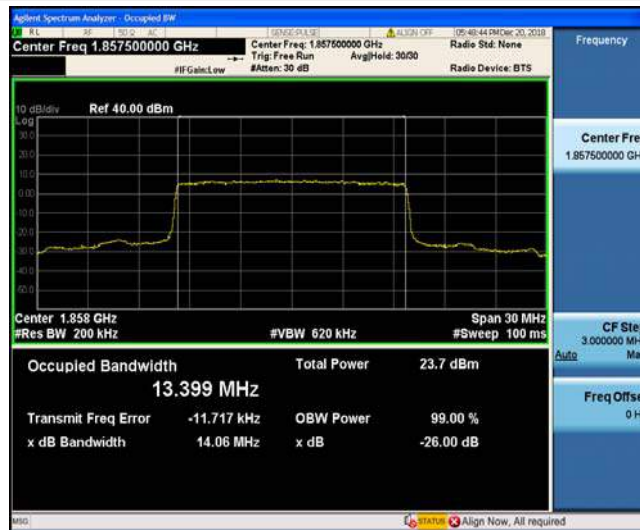
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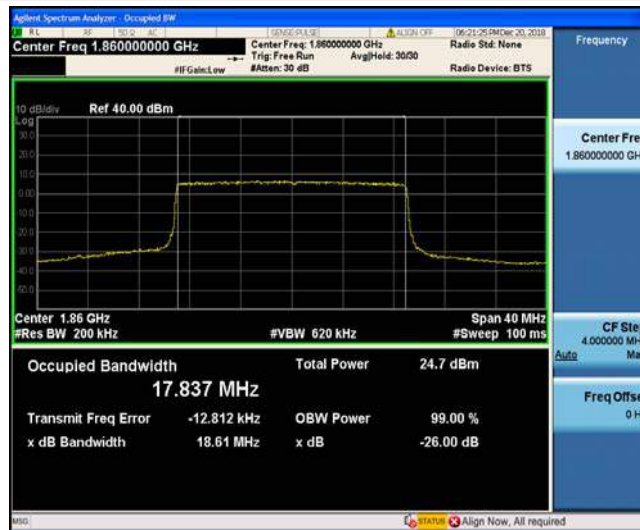
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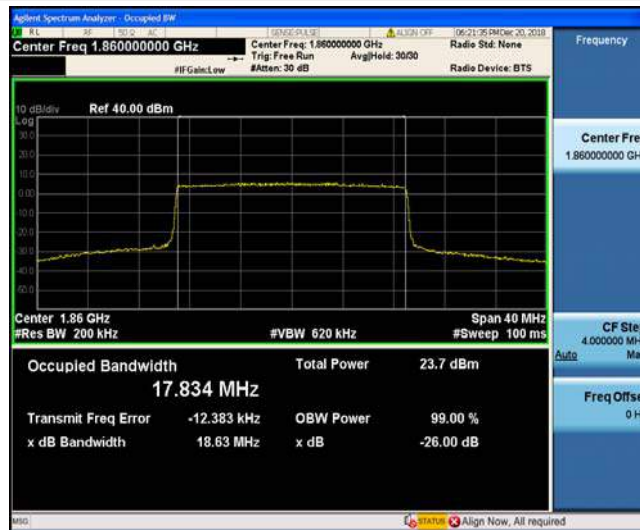
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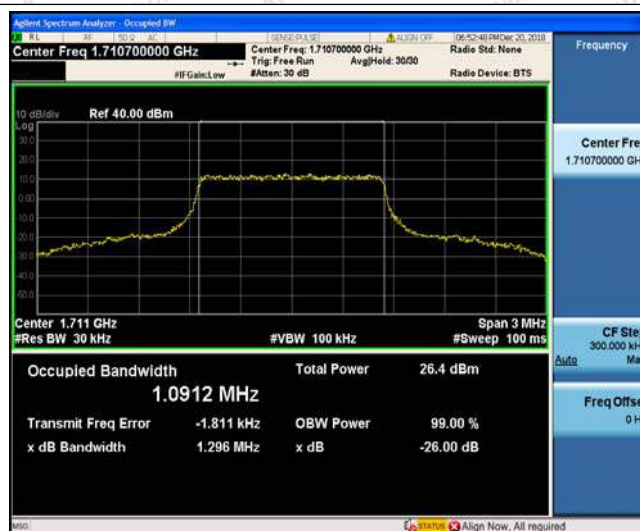
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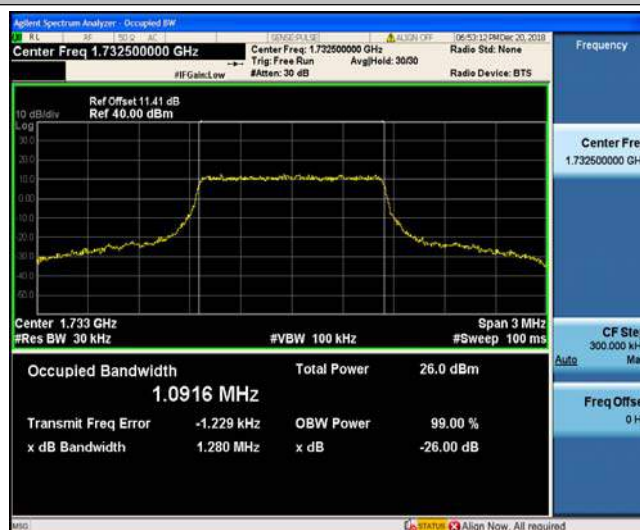
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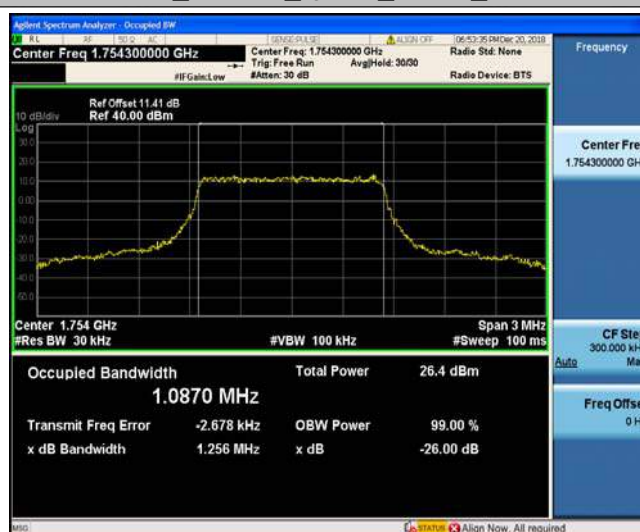
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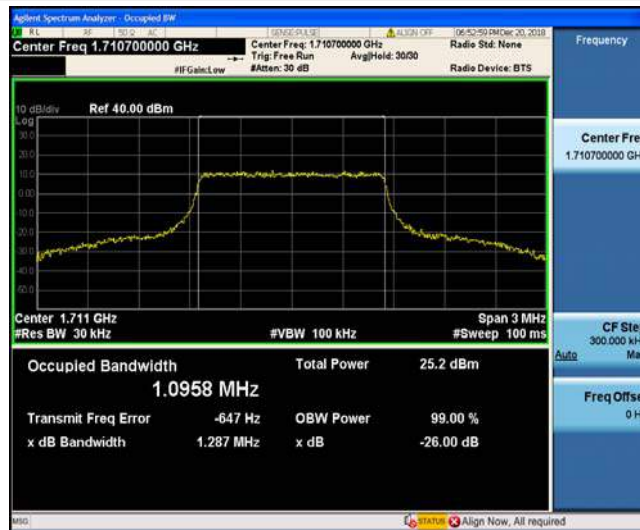
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Band4_1.4MHz_16QAM_19957_6RB#0



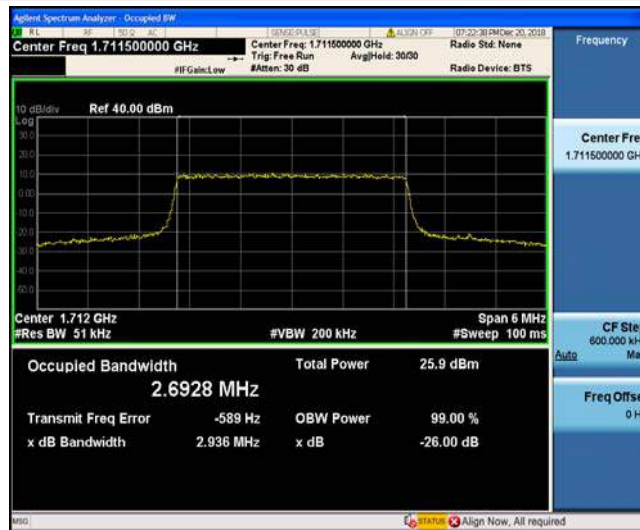
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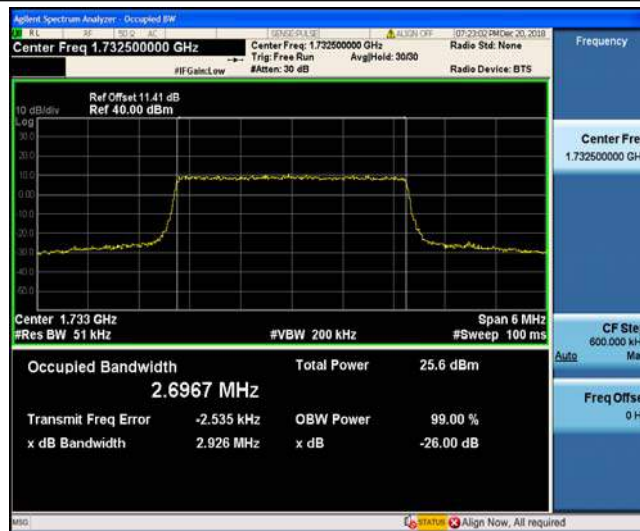
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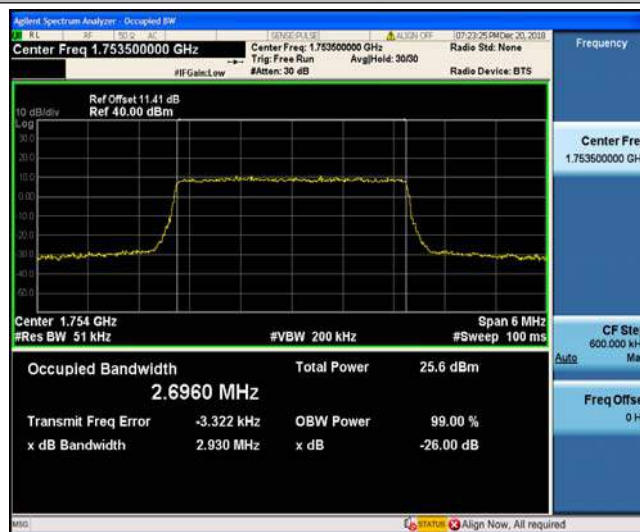
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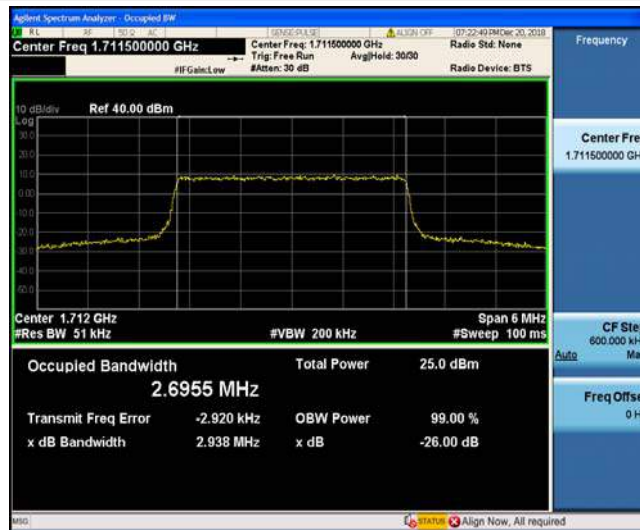
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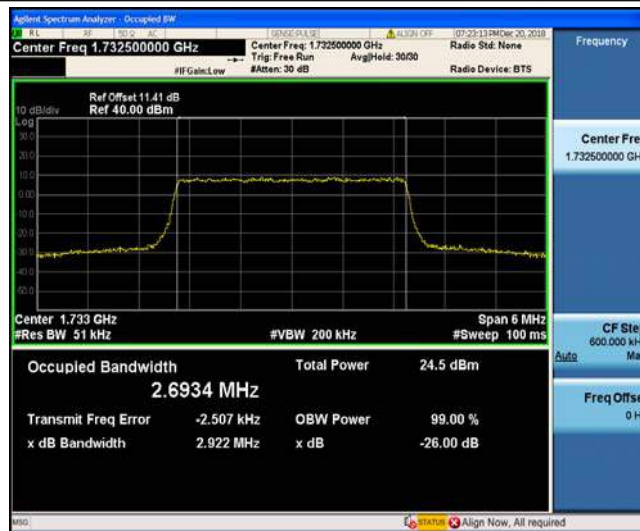
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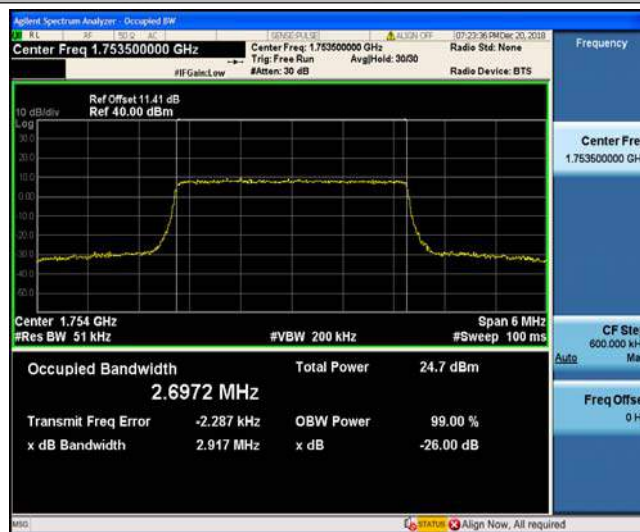
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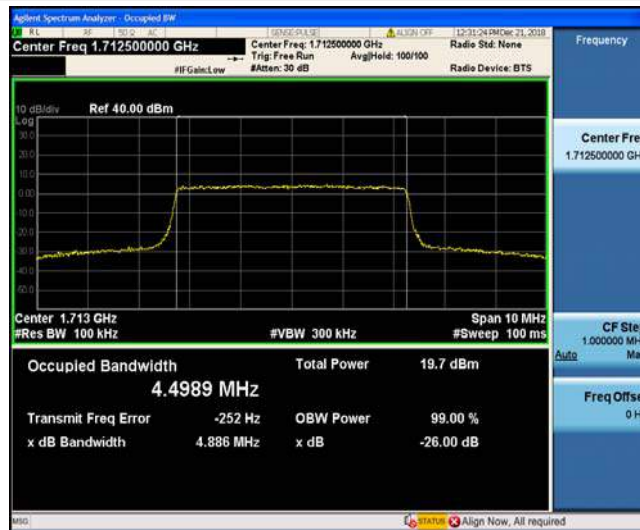
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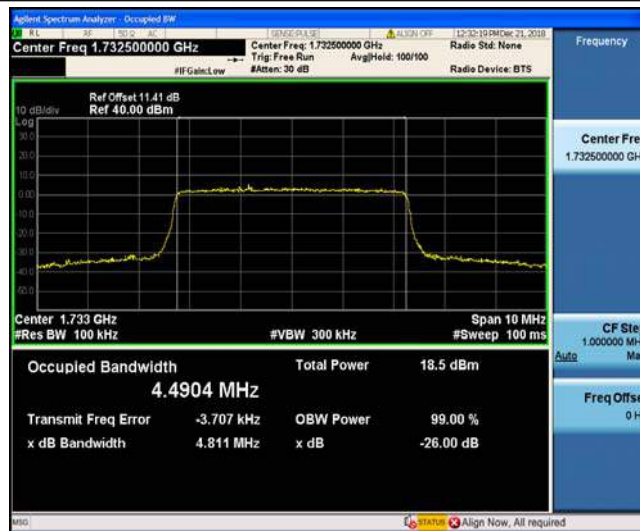
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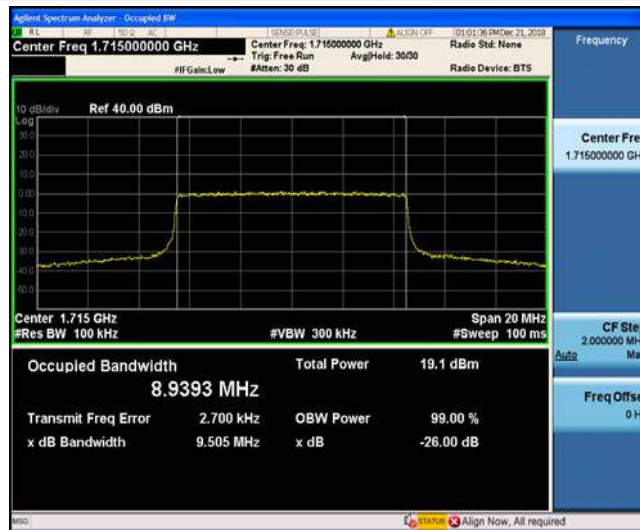
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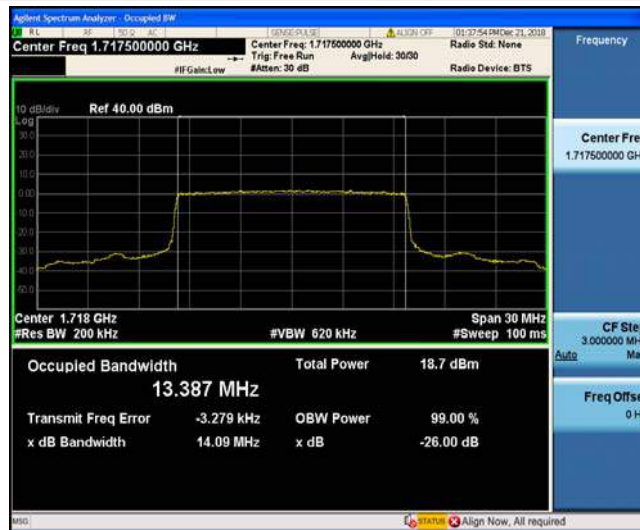
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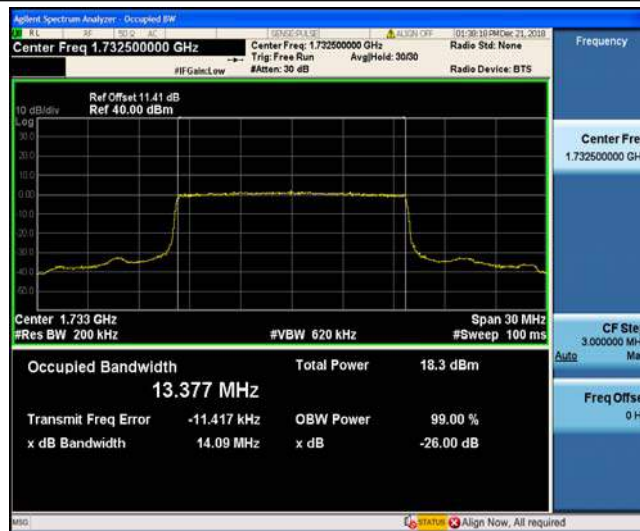
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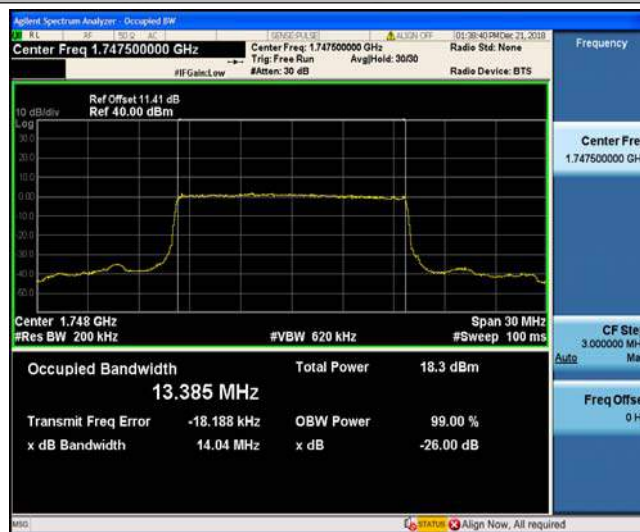
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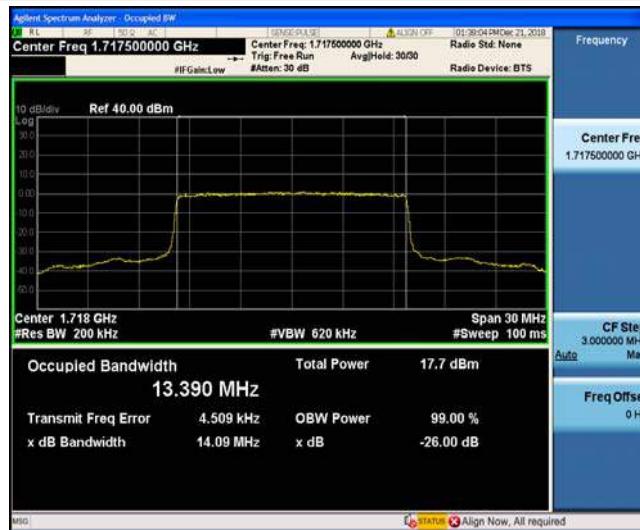
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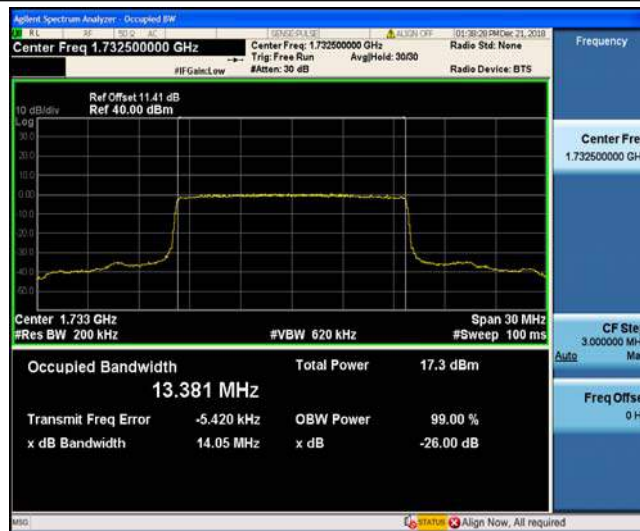
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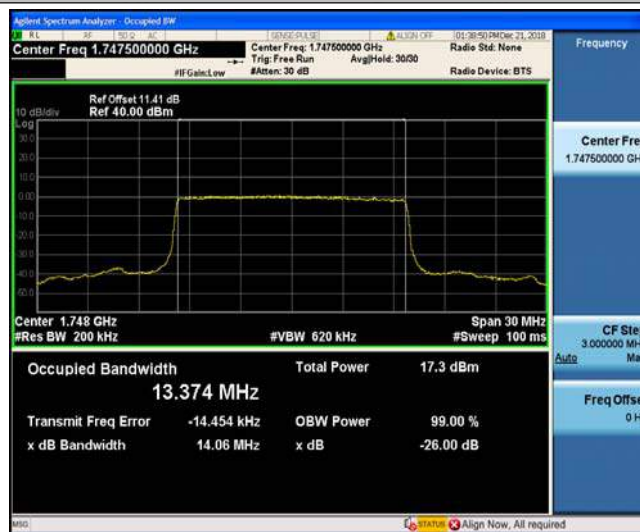
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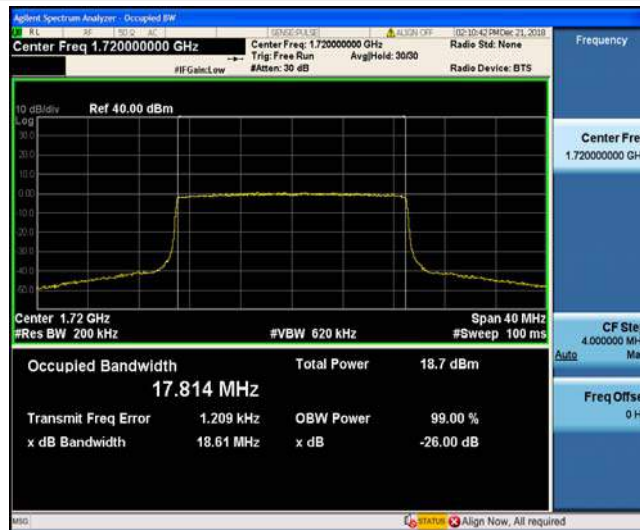
Band4_15MHz_16QAM_20175_75RB#0



Band4_15MHz_16QAM_20325_75RB#0



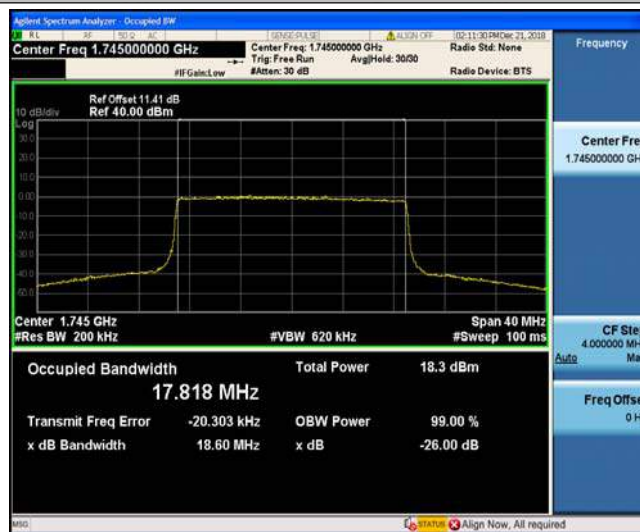
Band4_20MHz_QPSK_20050_100RB#0



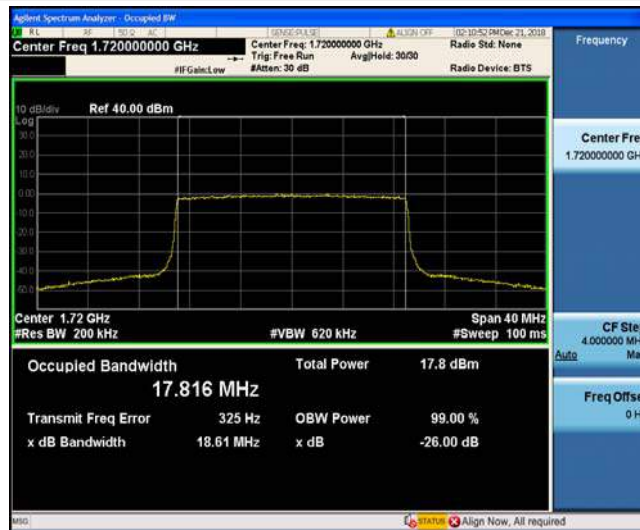
Band4_20MHz_QPSK_20175_100RB#0



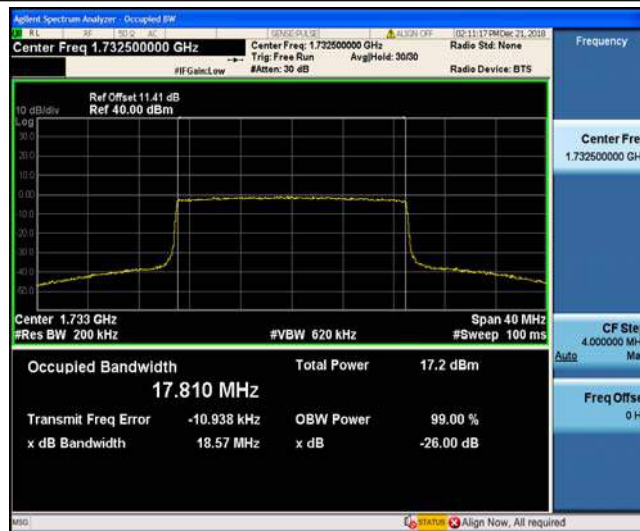
Band4_20MHz_QPSK_20300_100RB#0



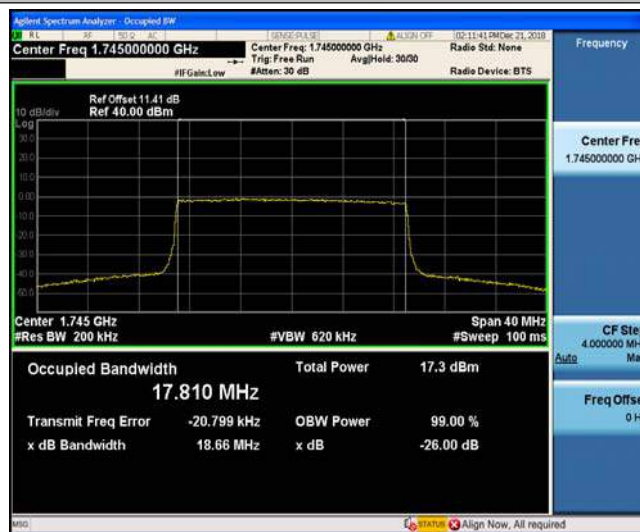
Band4_20MHz_16QAM_20050_100RB#0



Band4_20MHz_16QAM_20175_100RB#0



Band4_20MHz_16QAM_20300_100RB#0

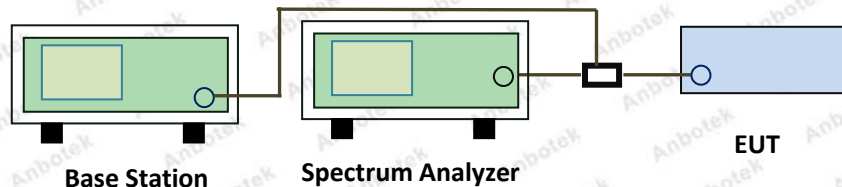


7. Spurious Emissions at Antenna Terminals

7.1. Test Standard and Limit

The mean power of emissions must be attenuated below the mean power of the unmodulated carrier (P) on any frequency outside the frequency band by at least $(43 + 10 \log P)$ dB, in this case, -13dBm.

7.2. Test Setup



7.3. Test Procedure

1. The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation.
2. The resolution bandwidth of the spectrum analyzer was set at 1MHz, sufficient scans were taken to show the out of band Emissions if any up to 10th harmonic.
3. For the out of band: Set the RBW= 1MHz, VBW = 3MHz, Start=30MHz, Stop= 10th harmonic.

7.4. Test Data

Band	Channel	Frequency Rang(Mhz)	Value(dBm)	Limit(dBm)	Verdict
GSM850	128	0.009~0.15	-47.48	-33	PASS
GSM850	128	0.15~30	-51.41	-23	PASS
GSM850	128	30~1000	-35.42	-13	PASS
GSM850	128	1000~9000	-25.28	-13	PASS
GSM850	190	0.009~0.15	-46.69	-33	PASS
GSM850	190	0.15~30	-52.49	-23	PASS
GSM850	190	30~1000	-34.93	-13	PASS
GSM850	190	1000~9000	-27.17	-13	PASS
GSM850	251	0.009~0.15	-45.22	-33	PASS
GSM850	251	0.15~30	-52.03	-23	PASS
GSM850	251	30~1000	-35.51	-13	PASS
GSM850	251	1000~9000	-27.47	-13	PASS
GPRS850	128	0.009~0.15	-47.48	-43	PASS
GPRS850	128	0.15~30	-51.43	-33	PASS
GPRS850	128	30~1000	-35.92	-13	PASS
GPRS850	128	1000~9000	-26.69	-13	PASS
GPRS850	190	0.009~0.15	-45.80	-43	PASS
GPRS850	190	0.15~30	-51.92	-33	PASS
GPRS850	190	30~1000	-35.02	-13	PASS
GPRS850	190	1000~9000	-25.95	-13	PASS
GPRS850	251	0.009~0.15	-46.06	-43	PASS
GPRS850	251	0.15~30	-51.21	-33	PASS

GPRS850	251	30~1000	-35.17	-13	PASS
GPRS850	251	1000~9000	-27.28	-13	PASS
GSM1900	512	0.009~0.15	-45.81	-43	PASS
GSM1900	512	0.15~30	-52.07	-33	PASS
GSM1900	512	30~1000	-35.49	-13	PASS
GSM1900	512	1000~7000	-27.34	-13	PASS
GSM1900	512	7000~13600	-30.60	-13	PASS
GSM1900	512	13600~20000	-27.48	-13	PASS
GSM1900	661	0.009~0.15	-46.34	-43	PASS
GSM1900	661	0.15~30	-52.81	-33	PASS
GSM1900	661	30~1000	-35.04	-13	PASS
GSM1900	661	1000~7000	-27.91	-13	PASS
GSM1900	661	7000~13600	-30.74	-13	PASS
GSM1900	661	13600~20000	-26.67	-13	PASS
GSM1900	810	0.009~0.15	-45.97	-43	PASS
GSM1900	810	0.15~30	-48.83	-33	PASS
GSM1900	810	30~1000	-35.87	-13	PASS
GSM1900	810	1000~7000	-27.14	-13	PASS
GSM1900	810	7000~13600	-31.15	-13	PASS
GSM1900	810	13600~20000	-27.20	-13	PASS
GPRS1900	512	0.009~0.15	-44.53	-43	PASS
GPRS1900	512	0.15~30	-52.39	-33	PASS
GPRS1900	512	30~1000	-35.63	-13	PASS
GPRS1900	512	1000~7000	-26.94	-13	PASS
GPRS1900	512	7000~13600	-31.55	-13	PASS
GPRS1900	512	13600~20000	-27.24	-13	PASS
GPRS1900	661	0.009~0.15	-46.19	-43	PASS
GPRS1900	661	0.15~30	-48.74	-33	PASS
GPRS1900	661	30~1000	-35.50	-13	PASS
GPRS1900	661	1000~7000	-27.36	-13	PASS
GPRS1900	661	7000~13600	-31.36	-13	PASS
GPRS1900	661	13600~20000	-26.82	-13	PASS
GPRS1900	810	0.009~0.15	-47.12	-43	PASS
GPRS1900	810	0.15~30	-51.55	-33	PASS
GPRS1900	810	30~1000	-35.26	-13	PASS
GPRS1900	810	1000~7000	-27.07	-13	PASS
GPRS1900	810	7000~13600	-31.24	-13	PASS
GPRS1900	810	13600~20000	-26.81	-13	PASS

Band	Channel	Frequency Rang(Mhz)	Value(dBm)	Limit(dBm)	Verdict
Band II	9262	0.009~0.15	-46.54	-43	PASS
Band II	9262	0.15~30	-41.89	-33	PASS
Band II	9262	30~1000	-45.49	-13	PASS
Band II	9262	1000~7000	-27.32	-13	PASS
Band II	9262	7000~13600	-41.24	-13	PASS
Band II	9262	13600~20000	-37.64	-13	PASS
Band II	9400	0.009~0.15	-47.62	-43	PASS
Band II	9400	0.15~30	-41.48	-33	PASS
Band II	9400	30~1000	-45.25	-13	PASS
Band II	9400	1000~7000	-27.21	-13	PASS
Band II	9400	7000~13600	-41.19	-13	PASS
Band II	9400	13600~20000	-37.26	-13	PASS
Band II	9538	0.009~0.15	-45.74	-43	PASS
Band II	9538	0.15~30	-41.28	-33	PASS
Band II	9538	30~1000	-45.35	-13	PASS
Band II	9538	1000~7000	-27.67	-13	PASS
Band II	9538	7000~13600	-41.39	-13	PASS
Band II	9538	13600~20000	-37.74	-13	PASS
Band V	4132	0.009~0.15	-45.36	-33	PASS
Band V	4132	0.15~30	-40.77	-23	PASS
Band V	4132	30~1000	-44.95	-13	PASS
Band V	4132	1000~9000	-28.85	-13	PASS
Band V	4182	0.009~0.15	-44.39	-33	PASS
Band V	4182	0.15~30	-42.09	-23	PASS
Band V	4182	30~1000	-45.61	-13	PASS
Band V	4182	1000~9000	-28.86	-13	PASS
Band V	4233	0.009~0.15	-45.15	-33	PASS
Band V	4233	0.15~30	-42.00	-23	PASS
Band V	4233	30~1000	-45.50	-13	PASS
Band V	4233	1000~9000	-29.08	-13	PASS

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	Range1:0.009~0.15MHz	-62.09	PASS
Band2	1.4MHz	QPSK	18607	1RB#0	Range2:0.15~10MHz	-57.54	PASS
Band2	1.4MHz	QPSK	18607	1RB#0	Range3:10~3000MHz	-30.05	PASS
Band2	1.4MHz	QPSK	18607	1RB#0	Range4:3000~9000MHz	-33.73	PASS
Band2	1.4MHz	QPSK	18607	1RB#0	Range5:9000~15000MHz	-52.94	PASS
Band2	1.4MHz	QPSK	18607	1RB#0	Range6:15000~20000MHz	-49.45	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	Range1:0.009~0.15MHz	-60.16	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	Range2:0.15~10MHz	-56.28	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	Range3:10~3000MHz	-29.77	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	Range4:3000~9000MHz	-34.35	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	Range5:9000~15000MHz	-52.92	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	Range6:15000~20000MHz	-49.53	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	Range1:0.009~0.15MHz	-61.13	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	Range2:0.15~10MHz	-54.9	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	Range3:10~3000MHz	-29.46	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	Range4:3000~9000MHz	-33.98	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	Range5:9000~15000MHz	-52.64	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	Range6:15000~20000MHz	-49.48	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	Range1:0.009~0.15MHz	-61.5	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	Range2:0.15~10MHz	-59.53	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	Range3:10~3000MHz	-28.92	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	Range4:3000~9000MHz	-34.79	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	Range5:9000~15000MHz	-52.88	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	Range6:15000~20000MHz	-49.69	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	Range1:0.009~0.15MHz	-58.51	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	Range2:0.15~10MHz	-48.03	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	Range3:10~3000MHz	-29.48	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	Range4:3000~9000MHz	-34.31	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	Range5:9000~15000MHz	-52.98	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	Range6:15000~20000MHz	-49.37	PASS

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Band2	1.4MHz	16QAM	19193	1RB#0	Range1:0.009~0.15MHz	-61.06	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	Range2:0.15~10MHz	-53.69	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	Range3:10~3000MHz	-30.06	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	Range4:3000~9000MHz	-35.02	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	Range5:9000~15000MHz	-52.87	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	Range6:15000~20000MHz	-49.52	PASS
Band2	3MHz	QPSK	18615	1RB#0	Range1:0.009~0.15MHz	-60.72	PASS
Band2	3MHz	QPSK	18615	1RB#0	Range2:0.15~10MHz	-60.76	PASS
Band2	3MHz	QPSK	18615	1RB#0	Range3:10~3000MHz	-29.59	PASS
Band2	3MHz	QPSK	18615	1RB#0	Range4:3000~9000MHz	-34.14	PASS
Band2	3MHz	QPSK	18615	1RB#0	Range5:9000~15000MHz	-52.77	PASS
Band2	3MHz	QPSK	18615	1RB#0	Range6:15000~20000MHz	-49.54	PASS
Band2	3MHz	QPSK	18900	1RB#0	Range1:0.009~0.15MHz	-59.8	PASS
Band2	3MHz	QPSK	18900	1RB#0	Range2:0.15~10MHz	-56.81	PASS
Band2	3MHz	QPSK	18900	1RB#0	Range3:10~3000MHz	-28.73	PASS
Band2	3MHz	QPSK	18900	1RB#0	Range4:3000~9000MHz	-34	PASS
Band2	3MHz	QPSK	18900	1RB#0	Range5:9000~15000MHz	-52.66	PASS
Band2	3MHz	QPSK	18900	1RB#0	Range6:15000~20000MHz	-49.3	PASS
Band2	3MHz	QPSK	19185	1RB#0	Range1:0.009~0.15MHz	-58.05	PASS
Band2	3MHz	QPSK	19185	1RB#0	Range2:0.15~10MHz	-51.97	PASS
Band2	3MHz	QPSK	19185	1RB#0	Range3:10~3000MHz	-28.73	PASS
Band2	3MHz	QPSK	19185	1RB#0	Range4:3000~9000MHz	-34.05	PASS
Band2	3MHz	QPSK	19185	1RB#0	Range5:9000~15000MHz	-52.8	PASS
Band2	3MHz	QPSK	19185	1RB#0	Range6:15000~20000MHz	-49.55	PASS
Band2	3MHz	16QAM	18615	1RB#0	Range1:0.009~0.15MHz	-60.14	PASS
Band2	3MHz	16QAM	18615	1RB#0	Range2:0.15~10MHz	-57.96	PASS
Band2	3MHz	16QAM	18615	1RB#0	Range3:10~3000MHz	-29.3	PASS
Band2	3MHz	16QAM	18615	1RB#0	Range4:3000~9000MHz	-34.1	PASS
Band2	3MHz	16QAM	18615	1RB#0	Range5:9000~15000MHz	-52.76	PASS
Band2	3MHz	16QAM	18615	1RB#0	Range6:15000~20000MHz	-49.46	PASS
Band2	3MHz	16QAM	18900	1RB#0	Range1:0.009~0.15MHz	-59.94	PASS
Band2	3MHz	16QAM	18900	1RB#0	Range2:0.15~10MHz	-58.23	PASS
Band2	3MHz	16QAM	18900	1RB#0	Range3:10~3000MHz	-29.95	PASS

Band2	3MHz	16QAM	18900	1RB#0	Range4:3000~9000MHz	-35.59	PASS
Band2	3MHz	16QAM	18900	1RB#0	Range5:9000~15000MHz	-52.8	PASS
Band2	3MHz	16QAM	18900	1RB#0	Range6:15000~20000MHz	-49.54	PASS
Band2	3MHz	16QAM	19185	1RB#0	Range1:0.009~0.15MHz	-60.43	PASS
Band2	3MHz	16QAM	19185	1RB#0	Range2:0.15~10MHz	-52.62	PASS
Band2	3MHz	16QAM	19185	1RB#0	Range3:10~3000MHz	-29.5	PASS
Band2	3MHz	16QAM	19185	1RB#0	Range4:3000~9000MHz	-33.95	PASS
Band2	3MHz	16QAM	19185	1RB#0	Range5:9000~15000MHz	-52.84	PASS
Band2	3MHz	16QAM	19185	1RB#0	Range6:15000~20000MHz	-49.59	PASS
Band2	5MHz	QPSK	18625	1RB#0	Range1:0.009~0.15MHz	-61.51	PASS
Band2	5MHz	QPSK	18625	1RB#0	Range2:0.15~10MHz	-57.56	PASS
Band2	5MHz	QPSK	18625	1RB#0	Range3:10~3000MHz	-29.27	PASS
Band2	5MHz	QPSK	18625	1RB#0	Range4:3000~9000MHz	-33.75	PASS
Band2	5MHz	QPSK	18625	1RB#0	Range5:9000~15000MHz	-52.76	PASS
Band2	5MHz	QPSK	18625	1RB#0	Range6:15000~20000MHz	-49.68	PASS
Band2	5MHz	QPSK	18900	1RB#0	Range1:0.009~0.15MHz	-57.33	PASS
Band2	5MHz	QPSK	18900	1RB#0	Range2:0.15~10MHz	-51.4	PASS
Band2	5MHz	QPSK	18900	1RB#0	Range3:10~3000MHz	-29.98	PASS
Band2	5MHz	QPSK	18900	1RB#0	Range4:3000~9000MHz	-34.17	PASS
Band2	5MHz	QPSK	18900	1RB#0	Range5:9000~15000MHz	-52.83	PASS
Band2	5MHz	QPSK	18900	1RB#0	Range6:15000~20000MHz	-49.5	PASS
Band2	5MHz	QPSK	19175	1RB#0	Range1:0.009~0.15MHz	-61.45	PASS
Band2	5MHz	QPSK	19175	1RB#0	Range2:0.15~10MHz	-54.68	PASS
Band2	5MHz	QPSK	19175	1RB#0	Range3:10~3000MHz	-29.76	PASS
Band2	5MHz	QPSK	19175	1RB#0	Range4:3000~9000MHz	-34.05	PASS
Band2	5MHz	QPSK	19175	1RB#0	Range5:9000~15000MHz	-52.7	PASS
Band2	5MHz	QPSK	19175	1RB#0	Range6:15000~20000MHz	-49.42	PASS
Band2	5MHz	16QAM	18625	1RB#0	Range1:0.009~0.15MHz	-62.55	PASS
Band2	5MHz	16QAM	18625	1RB#0	Range2:0.15~10MHz	-55.79	PASS
Band2	5MHz	16QAM	18625	1RB#0	Range3:10~3000MHz	-29.44	PASS
Band2	5MHz	16QAM	18625	1RB#0	Range4:3000~9000MHz	-34.77	PASS
Band2	5MHz	16QAM	18625	1RB#0	Range5:9000~15000MHz	-52.8	PASS
Band2	5MHz	16QAM	18625	1RB#0	Range6:15000~20000MHz	-49.48	PASS

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Band2	5MHz	16QAM	18900	1RB#0	Range1:0.009~0.15MHz	-61.14	PASS
Band2	5MHz	16QAM	18900	1RB#0	Range2:0.15~10MHz	-55.67	PASS
Band2	5MHz	16QAM	18900	1RB#0	Range3:10~3000MHz	-29.37	PASS
Band2	5MHz	16QAM	18900	1RB#0	Range4:3000~9000MHz	-35.31	PASS
Band2	5MHz	16QAM	18900	1RB#0	Range5:9000~15000MHz	-52.75	PASS
Band2	5MHz	16QAM	18900	1RB#0	Range6:15000~20000MHz	-49.45	PASS
Band2	5MHz	16QAM	19175	1RB#0	Range1:0.009~0.15MHz	-62.2	PASS
Band2	5MHz	16QAM	19175	1RB#0	Range2:0.15~10MHz	-56.95	PASS
Band2	5MHz	16QAM	19175	1RB#0	Range3:10~3000MHz	-29.62	PASS
Band2	5MHz	16QAM	19175	1RB#0	Range4:3000~9000MHz	-34.97	PASS
Band2	5MHz	16QAM	19175	1RB#0	Range5:9000~15000MHz	-52.87	PASS
Band2	5MHz	16QAM	19175	1RB#0	Range6:15000~20000MHz	-49.68	PASS
Band2	10MHz	QPSK	18650	1RB#0	Range1:0.009~0.15MHz	-60.56	PASS
Band2	10MHz	QPSK	18650	1RB#0	Range2:0.15~10MHz	-59.49	PASS
Band2	10MHz	QPSK	18650	1RB#0	Range3:10~3000MHz	-29.94	PASS
Band2	10MHz	QPSK	18650	1RB#0	Range4:3000~9000MHz	-33.85	PASS
Band2	10MHz	QPSK	18650	1RB#0	Range5:9000~15000MHz	-52.85	PASS
Band2	10MHz	QPSK	18650	1RB#0	Range6:15000~20000MHz	-49.61	PASS
Band2	10MHz	QPSK	18900	1RB#0	Range1:0.009~0.15MHz	-59.48	PASS
Band2	10MHz	QPSK	18900	1RB#0	Range2:0.15~10MHz	-55.36	PASS
Band2	10MHz	QPSK	18900	1RB#0	Range3:10~3000MHz	-28.85	PASS
Band2	10MHz	QPSK	18900	1RB#0	Range4:3000~9000MHz	-34.22	PASS
Band2	10MHz	QPSK	18900	1RB#0	Range5:9000~15000MHz	-52.87	PASS
Band2	10MHz	QPSK	18900	1RB#0	Range6:15000~20000MHz	-49.46	PASS
Band2	10MHz	QPSK	19150	1RB#0	Range1:0.009~0.15MHz	-59.44	PASS
Band2	10MHz	QPSK	19150	1RB#0	Range2:0.15~10MHz	-53.12	PASS
Band2	10MHz	QPSK	19150	1RB#0	Range3:10~3000MHz	-29.38	PASS
Band2	10MHz	QPSK	19150	1RB#0	Range4:3000~9000MHz	-33.81	PASS
Band2	10MHz	QPSK	19150	1RB#0	Range5:9000~15000MHz	-52.85	PASS
Band2	10MHz	QPSK	19150	1RB#0	Range6:15000~20000MHz	-49.56	PASS
Band2	10MHz	16QAM	18650	1RB#0	Range1:0.009~0.15MHz	-60.88	PASS
Band2	10MHz	16QAM	18650	1RB#0	Range2:0.15~10MHz	-58.01	PASS
Band2	10MHz	16QAM	18650	1RB#0	Range3:10~3000MHz	-29.59	PASS

Band2	10MHz	16QAM	18650	1RB#0	Range4:3000~9000MHz	-34.74	PASS
Band2	10MHz	16QAM	18650	1RB#0	Range5:9000~15000MHz	-52.83	PASS
Band2	10MHz	16QAM	18650	1RB#0	Range6:15000~20000MHz	-49.46	PASS
Band2	10MHz	16QAM	18900	1RB#0	Range1:0.009~0.15MHz	-60.19	PASS
Band2	10MHz	16QAM	18900	1RB#0	Range2:0.15~10MHz	-56.4	PASS
Band2	10MHz	16QAM	18900	1RB#0	Range3:10~3000MHz	-29.16	PASS
Band2	10MHz	16QAM	18900	1RB#0	Range4:3000~9000MHz	-35.43	PASS
Band2	10MHz	16QAM	18900	1RB#0	Range5:9000~15000MHz	-52.82	PASS
Band2	10MHz	16QAM	18900	1RB#0	Range6:15000~20000MHz	-49.53	PASS
Band2	10MHz	16QAM	19150	1RB#0	Range1:0.009~0.15MHz	-62.15	PASS
Band2	10MHz	16QAM	19150	1RB#0	Range2:0.15~10MHz	-55.01	PASS
Band2	10MHz	16QAM	19150	1RB#0	Range3:10~3000MHz	-28.73	PASS
Band2	10MHz	16QAM	19150	1RB#0	Range4:3000~9000MHz	-34.69	PASS
Band2	10MHz	16QAM	19150	1RB#0	Range5:9000~15000MHz	-52.97	PASS
Band2	10MHz	16QAM	19150	1RB#0	Range6:15000~20000MHz	-49.51	PASS
Band2	15MHz	QPSK	18675	1RB#0	Range1:0.009~0.15MHz	-60.5	PASS
Band2	15MHz	QPSK	18675	1RB#0	Range2:0.15~10MHz	-57.51	PASS
Band2	15MHz	QPSK	18675	1RB#0	Range3:10~3000MHz	-29.73	PASS
Band2	15MHz	QPSK	18675	1RB#0	Range4:3000~9000MHz	-33.62	PASS
Band2	15MHz	QPSK	18675	1RB#0	Range5:9000~15000MHz	-52.86	PASS
Band2	15MHz	QPSK	18675	1RB#0	Range6:15000~20000MHz	-49.53	PASS
Band2	15MHz	QPSK	18900	1RB#0	Range1:0.009~0.15MHz	-60.95	PASS
Band2	15MHz	QPSK	18900	1RB#0	Range2:0.15~10MHz	-56.73	PASS
Band2	15MHz	QPSK	18900	1RB#0	Range3:10~3000MHz	-30.22	PASS
Band2	15MHz	QPSK	18900	1RB#0	Range4:3000~9000MHz	-34.26	PASS
Band2	15MHz	QPSK	18900	1RB#0	Range5:9000~15000MHz	-52.9	PASS
Band2	15MHz	QPSK	18900	1RB#0	Range6:15000~20000MHz	-49.18	PASS
Band2	15MHz	QPSK	19125	1RB#0	Range1:0.009~0.15MHz	-61.81	PASS
Band2	15MHz	QPSK	19125	1RB#0	Range2:0.15~10MHz	-57.88	PASS
Band2	15MHz	QPSK	19125	1RB#0	Range3:10~3000MHz	-28.39	PASS
Band2	15MHz	QPSK	19125	1RB#0	Range4:3000~9000MHz	-34.48	PASS
Band2	15MHz	QPSK	19125	1RB#0	Range5:9000~15000MHz	-52.77	PASS
Band2	15MHz	QPSK	19125	1RB#0	Range6:15000~20000MHz	-49.67	PASS

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Band2	15MHz	16QAM	18675	1RB#0	Range1:0.009~0.15MHz	-62.2	PASS
Band2	15MHz	16QAM	18675	1RB#0	Range2:0.15~10MHz	-56.34	PASS
Band2	15MHz	16QAM	18675	1RB#0	Range3:10~3000MHz	-30.05	PASS
Band2	15MHz	16QAM	18675	1RB#0	Range4:3000~9000MHz	-34.36	PASS
Band2	15MHz	16QAM	18675	1RB#0	Range5:9000~15000MHz	-52.86	PASS
Band2	15MHz	16QAM	18675	1RB#0	Range6:15000~20000MHz	-49.6	PASS
Band2	15MHz	16QAM	18900	1RB#0	Range1:0.009~0.15MHz	-60.33	PASS
Band2	15MHz	16QAM	18900	1RB#0	Range2:0.15~10MHz	-56.56	PASS
Band2	15MHz	16QAM	18900	1RB#0	Range3:10~3000MHz	-28.82	PASS
Band2	15MHz	16QAM	18900	1RB#0	Range4:3000~9000MHz	-34.17	PASS
Band2	15MHz	16QAM	18900	1RB#0	Range5:9000~15000MHz	-52.89	PASS
Band2	15MHz	16QAM	18900	1RB#0	Range6:15000~20000MHz	-49.59	PASS
Band2	15MHz	16QAM	19125	1RB#0	Range1:0.009~0.15MHz	-61.87	PASS
Band2	15MHz	16QAM	19125	1RB#0	Range2:0.15~10MHz	-57.54	PASS
Band2	15MHz	16QAM	19125	1RB#0	Range3:10~3000MHz	-29.8	PASS
Band2	15MHz	16QAM	19125	1RB#0	Range4:3000~9000MHz	-35.46	PASS
Band2	15MHz	16QAM	19125	1RB#0	Range5:9000~15000MHz	-52.77	PASS
Band2	15MHz	16QAM	19125	1RB#0	Range6:15000~20000MHz	-49.27	PASS
Band2	20MHz	QPSK	18700	1RB#0	Range1:0.009~0.15MHz	-60.96	PASS
Band2	20MHz	QPSK	18700	1RB#0	Range2:0.15~10MHz	-61.05	PASS
Band2	20MHz	QPSK	18700	1RB#0	Range3:10~3000MHz	-30.25	PASS
Band2	20MHz	QPSK	18700	1RB#0	Range4:3000~9000MHz	-34.03	PASS
Band2	20MHz	QPSK	18700	1RB#0	Range5:9000~15000MHz	-52.89	PASS
Band2	20MHz	QPSK	18700	1RB#0	Range6:15000~20000MHz	-49.44	PASS
Band2	20MHz	QPSK	18900	1RB#0	Range1:0.009~0.15MHz	-60.68	PASS
Band2	20MHz	QPSK	18900	1RB#0	Range2:0.15~10MHz	-54.49	PASS
Band2	20MHz	QPSK	18900	1RB#0	Range3:10~3000MHz	-29.39	PASS
Band2	20MHz	QPSK	18900	1RB#0	Range4:3000~9000MHz	-34.3	PASS
Band2	20MHz	QPSK	18900	1RB#0	Range5:9000~15000MHz	-52.88	PASS
Band2	20MHz	QPSK	18900	1RB#0	Range6:15000~20000MHz	-49.29	PASS
Band2	20MHz	QPSK	19100	1RB#0	Range1:0.009~0.15MHz	-61.4	PASS
Band2	20MHz	QPSK	19100	1RB#0	Range2:0.15~10MHz	-57.53	PASS
Band2	20MHz	QPSK	19100	1RB#0	Range3:10~3000MHz	-29.84	PASS

Band2	20MHz	QPSK	19100	1RB#0	Range4:3000~9000MHz	-34.42	PASS
Band2	20MHz	QPSK	19100	1RB#0	Range5:9000~15000MHz	-52.86	PASS
Band2	20MHz	QPSK	19100	1RB#0	Range6:15000~20000MHz	-49.36	PASS
Band2	20MHz	16QAM	18700	1RB#0	Range1:0.009~0.15MHz	-61.29	PASS
Band2	20MHz	16QAM	18700	1RB#0	Range2:0.15~10MHz	-59.29	PASS
Band2	20MHz	16QAM	18700	1RB#0	Range3:10~3000MHz	-29.84	PASS
Band2	20MHz	16QAM	18700	1RB#0	Range4:3000~9000MHz	-35.28	PASS
Band2	20MHz	16QAM	18700	1RB#0	Range5:9000~15000MHz	-52.85	PASS
Band2	20MHz	16QAM	18700	1RB#0	Range6:15000~20000MHz	-49.5	PASS
Band2	20MHz	16QAM	18900	1RB#0	Range1:0.009~0.15MHz	-62.48	PASS
Band2	20MHz	16QAM	18900	1RB#0	Range2:0.15~10MHz	-58.47	PASS
Band2	20MHz	16QAM	18900	1RB#0	Range3:10~3000MHz	-29.74	PASS
Band2	20MHz	16QAM	18900	1RB#0	Range4:3000~9000MHz	-35.09	PASS
Band2	20MHz	16QAM	18900	1RB#0	Range5:9000~15000MHz	-52.89	PASS
Band2	20MHz	16QAM	18900	1RB#0	Range6:15000~20000MHz	-49.48	PASS
Band2	20MHz	16QAM	19100	1RB#0	Range1:0.009~0.15MHz	-60.6	PASS
Band2	20MHz	16QAM	19100	1RB#0	Range2:0.15~10MHz	-58.02	PASS
Band2	20MHz	16QAM	19100	1RB#0	Range3:10~3000MHz	-29.31	PASS
Band2	20MHz	16QAM	19100	1RB#0	Range4:3000~9000MHz	-34.78	PASS
Band2	20MHz	16QAM	19100	1RB#0	Range5:9000~15000MHz	-52.8	PASS
Band2	20MHz	16QAM	19100	1RB#0	Range6:15000~20000MHz	-49.61	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	Range1:0.009~0.15MHz	-63.07	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	Range2:0.15~10MHz	-62.27	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	Range3:10~3000MHz	-29.81	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	Range4:3000~9000MHz	-33.48	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	Range5:9000~15000MHz	-52.62	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	Range6:15000~20000MHz	-49.61	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range1:0.009~0.15MHz	-62.73	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range2:0.15~10MHz	-62.61	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range3:10~3000MHz	-27.37	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range4:3000~9000MHz	-33.15	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range5:9000~15000MHz	-52.86	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range6:15000~20000MHz	-49.4	PASS

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Band4	1.4MHz	QPSK	20393	1RB#0	Range1:0.009~0.15MHz	-63.53	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range2:0.15~10MHz	-64.05	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range3:10~3000MHz	-27.67	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range4:3000~9000MHz	-33.82	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range5:9000~15000MHz	-52.83	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range6:15000~20000MHz	-49.44	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range1:0.009~0.15MHz	-62.44	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range2:0.15~10MHz	-61.07	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range3:10~3000MHz	-29.66	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range4:3000~9000MHz	-34.43	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range5:9000~15000MHz	-52.9	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range6:15000~20000MHz	-49.59	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range1:0.009~0.15MHz	-61.81	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range2:0.15~10MHz	-62.12	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range3:10~3000MHz	-28.41	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range4:3000~9000MHz	-34.42	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range5:9000~15000MHz	-52.81	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range6:15000~20000MHz	-49.42	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range1:0.009~0.15MHz	-61.05	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range2:0.15~10MHz	-60.38	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range3:10~3000MHz	-26.5	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range4:3000~9000MHz	-34.75	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range5:9000~15000MHz	-52.73	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range6:15000~20000MHz	-49.56	PASS
Band4	3MHz	QPSK	19965	1RB#0	Range1:0.009~0.15MHz	-63.84	PASS
Band4	3MHz	QPSK	19965	1RB#0	Range2:0.15~10MHz	-70.62	PASS
Band4	3MHz	QPSK	19965	1RB#0	Range3:10~3000MHz	-23.3	PASS
Band4	3MHz	QPSK	19965	1RB#0	Range4:3000~9000MHz	-37.88	PASS
Band4	3MHz	QPSK	19965	1RB#0	Range5:9000~15000MHz	-52.86	PASS
Band4	3MHz	QPSK	19965	1RB#0	Range6:15000~20000MHz	-49.6	PASS
Band4	3MHz	QPSK	20175	1RB#0	Range1:0.009~0.15MHz	-64.15	PASS
Band4	3MHz	QPSK	20175	1RB#0	Range2:0.15~10MHz	-67.75	PASS
Band4	3MHz	QPSK	20175	1RB#0	Range3:10~3000MHz	-25	PASS

Band4	3MHz	QPSK	20175	1RB#0	Range4:3000~9000MHz	-37.74	PASS
Band4	3MHz	QPSK	20175	1RB#0	Range5:9000~15000MHz	-52.84	PASS
Band4	3MHz	QPSK	20175	1RB#0	Range6:15000~20000MHz	-49.39	PASS
Band4	3MHz	QPSK	20385	1RB#0	Range1:0.009~0.15MHz	-61.73	PASS
Band4	3MHz	QPSK	20385	1RB#0	Range2:0.15~10MHz	-67.72	PASS
Band4	3MHz	QPSK	20385	1RB#0	Range3:10~3000MHz	-23.92	PASS
Band4	3MHz	QPSK	20385	1RB#0	Range4:3000~9000MHz	-37.82	PASS
Band4	3MHz	QPSK	20385	1RB#0	Range5:9000~15000MHz	-52.82	PASS
Band4	3MHz	QPSK	20385	1RB#0	Range6:15000~20000MHz	-49.46	PASS
Band4	3MHz	16QAM	19965	1RB#0	Range1:0.009~0.15MHz	-61.8	PASS
Band4	3MHz	16QAM	19965	1RB#0	Range2:0.15~10MHz	-69.38	PASS
Band4	3MHz	16QAM	19965	1RB#0	Range3:10~3000MHz	-23.83	PASS
Band4	3MHz	16QAM	19965	1RB#0	Range4:3000~9000MHz	-37.73	PASS
Band4	3MHz	16QAM	19965	1RB#0	Range5:9000~15000MHz	-52.85	PASS
Band4	3MHz	16QAM	19965	1RB#0	Range6:15000~20000MHz	-49.4	PASS
Band4	3MHz	16QAM	20175	1RB#0	Range1:0.009~0.15MHz	-62.61	PASS
Band4	3MHz	16QAM	20175	1RB#0	Range2:0.15~10MHz	-69.6	PASS
Band4	3MHz	16QAM	20175	1RB#0	Range3:10~3000MHz	-24.69	PASS
Band4	3MHz	16QAM	20175	1RB#0	Range4:3000~9000MHz	-37.91	PASS
Band4	3MHz	16QAM	20175	1RB#0	Range5:9000~15000MHz	-52.84	PASS
Band4	3MHz	16QAM	20175	1RB#0	Range6:15000~20000MHz	-49.53	PASS
Band4	3MHz	16QAM	20385	1RB#0	Range1:0.009~0.15MHz	-61.78	PASS
Band4	3MHz	16QAM	20385	1RB#0	Range2:0.15~10MHz	-68.85	PASS
Band4	3MHz	16QAM	20385	1RB#0	Range3:10~3000MHz	-22.81	PASS
Band4	3MHz	16QAM	20385	1RB#0	Range4:3000~9000MHz	-38.07	PASS
Band4	3MHz	16QAM	20385	1RB#0	Range5:9000~15000MHz	-52.8	PASS
Band4	3MHz	16QAM	20385	1RB#0	Range6:15000~20000MHz	-49.35	PASS
Band4	5MHz	QPSK	19975	1RB#0	Range1:0.009~0.15MHz	-62.67	PASS
Band4	5MHz	QPSK	19975	1RB#0	Range2:0.15~10MHz	-67.2	PASS
Band4	5MHz	QPSK	19975	1RB#0	Range3:10~3000MHz	-22.39	PASS
Band4	5MHz	QPSK	19975	1RB#0	Range4:3000~9000MHz	-37.86	PASS
Band4	5MHz	QPSK	19975	1RB#0	Range5:9000~15000MHz	-52.83	PASS
Band4	5MHz	QPSK	19975	1RB#0	Range6:15000~20000MHz	-49.48	PASS

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Band4	5MHz	QPSK	20175	1RB#0	Range1:0.009~0.15MHz	-63.33	PASS
Band4	5MHz	QPSK	20175	1RB#0	Range2:0.15~10MHz	-69.38	PASS
Band4	5MHz	QPSK	20175	1RB#0	Range3:10~3000MHz	-25.19	PASS
Band4	5MHz	QPSK	20175	1RB#0	Range4:3000~9000MHz	-37.69	PASS
Band4	5MHz	QPSK	20175	1RB#0	Range5:9000~15000MHz	-52.59	PASS
Band4	5MHz	QPSK	20175	1RB#0	Range6:15000~20000MHz	-49.47	PASS
Band4	5MHz	QPSK	20375	1RB#0	Range1:0.009~0.15MHz	-63.99	PASS
Band4	5MHz	QPSK	20375	1RB#0	Range2:0.15~10MHz	-69.34	PASS
Band4	5MHz	QPSK	20375	1RB#0	Range3:10~3000MHz	-23.8	PASS
Band4	5MHz	QPSK	20375	1RB#0	Range4:3000~9000MHz	-37.65	PASS
Band4	5MHz	QPSK	20375	1RB#0	Range5:9000~15000MHz	-52.81	PASS
Band4	5MHz	QPSK	20375	1RB#0	Range6:15000~20000MHz	-49.56	PASS
Band4	5MHz	16QAM	19975	1RB#0	Range1:0.009~0.15MHz	-63.59	PASS
Band4	5MHz	16QAM	19975	1RB#0	Range2:0.15~10MHz	-69.16	PASS
Band4	5MHz	16QAM	19975	1RB#0	Range3:10~3000MHz	-23.49	PASS
Band4	5MHz	16QAM	19975	1RB#0	Range4:3000~9000MHz	-38.32	PASS
Band4	5MHz	16QAM	19975	1RB#0	Range5:9000~15000MHz	-52.75	PASS
Band4	5MHz	16QAM	19975	1RB#0	Range6:15000~20000MHz	-49.47	PASS
Band4	5MHz	16QAM	20175	1RB#0	Range1:0.009~0.15MHz	-62.3	PASS
Band4	5MHz	16QAM	20175	1RB#0	Range2:0.15~10MHz	-68.26	PASS
Band4	5MHz	16QAM	20175	1RB#0	Range3:10~3000MHz	-24.86	PASS
Band4	5MHz	16QAM	20175	1RB#0	Range4:3000~9000MHz	-38.21	PASS
Band4	5MHz	16QAM	20175	1RB#0	Range5:9000~15000MHz	-52.64	PASS
Band4	5MHz	16QAM	20175	1RB#0	Range6:15000~20000MHz	-49.51	PASS
Band4	5MHz	16QAM	20375	1RB#0	Range1:0.009~0.15MHz	-62.91	PASS
Band4	5MHz	16QAM	20375	1RB#0	Range2:0.15~10MHz	-70.06	PASS
Band4	5MHz	16QAM	20375	1RB#0	Range3:10~3000MHz	-22.42	PASS
Band4	5MHz	16QAM	20375	1RB#0	Range4:3000~9000MHz	-38.18	PASS
Band4	5MHz	16QAM	20375	1RB#0	Range5:9000~15000MHz	-52.78	PASS
Band4	5MHz	16QAM	20375	1RB#0	Range6:15000~20000MHz	-49.53	PASS
Band4	10MHz	QPSK	20000	1RB#0	Range1:0.009~0.15MHz	-62.56	PASS
Band4	10MHz	QPSK	20000	1RB#0	Range2:0.15~10MHz	-68.71	PASS
Band4	10MHz	QPSK	20000	1RB#0	Range3:10~3000MHz	-22.62	PASS

Band4	10MHz	QPSK	20000	1RB#0	Range4:3000~9000MHz	-37.9	PASS
Band4	10MHz	QPSK	20000	1RB#0	Range5:9000~15000MHz	-52.78	PASS
Band4	10MHz	QPSK	20000	1RB#0	Range6:15000~20000MHz	-49.52	PASS
Band4	10MHz	QPSK	20175	1RB#0	Range1:0.009~0.15MHz	-61.65	PASS
Band4	10MHz	QPSK	20175	1RB#0	Range2:0.15~10MHz	-70.39	PASS
Band4	10MHz	QPSK	20175	1RB#0	Range3:10~3000MHz	-23.37	PASS
Band4	10MHz	QPSK	20175	1RB#0	Range4:3000~9000MHz	-37.55	PASS
Band4	10MHz	QPSK	20175	1RB#0	Range5:9000~15000MHz	-52.77	PASS
Band4	10MHz	QPSK	20175	1RB#0	Range6:15000~20000MHz	-49.47	PASS
Band4	10MHz	QPSK	20350	1RB#0	Range1:0.009~0.15MHz	-62.79	PASS
Band4	10MHz	QPSK	20350	1RB#0	Range2:0.15~10MHz	-67.91	PASS
Band4	10MHz	QPSK	20350	1RB#0	Range3:10~3000MHz	-23.73	PASS
Band4	10MHz	QPSK	20350	1RB#0	Range4:3000~9000MHz	-37.61	PASS
Band4	10MHz	QPSK	20350	1RB#0	Range5:9000~15000MHz	-52.88	PASS
Band4	10MHz	QPSK	20350	1RB#0	Range6:15000~20000MHz	-49.43	PASS
Band4	10MHz	16QAM	20000	1RB#0	Range1:0.009~0.15MHz	-61.62	PASS
Band4	10MHz	16QAM	20000	1RB#0	Range2:0.15~10MHz	-68.55	PASS
Band4	10MHz	16QAM	20000	1RB#0	Range3:10~3000MHz	-22.31	PASS
Band4	10MHz	16QAM	20000	1RB#0	Range4:3000~9000MHz	-38.49	PASS
Band4	10MHz	16QAM	20000	1RB#0	Range5:9000~15000MHz	-52.76	PASS
Band4	10MHz	16QAM	20000	1RB#0	Range6:15000~20000MHz	-49.57	PASS
Band4	10MHz	16QAM	20175	1RB#0	Range1:0.009~0.15MHz	-62.63	PASS
Band4	10MHz	16QAM	20175	1RB#0	Range2:0.15~10MHz	-69.7	PASS
Band4	10MHz	16QAM	20175	1RB#0	Range3:10~3000MHz	-23.63	PASS
Band4	10MHz	16QAM	20175	1RB#0	Range4:3000~9000MHz	-37.96	PASS
Band4	10MHz	16QAM	20175	1RB#0	Range5:9000~15000MHz	-52.77	PASS
Band4	10MHz	16QAM	20175	1RB#0	Range6:15000~20000MHz	-49.5	PASS
Band4	10MHz	16QAM	20350	1RB#0	Range1:0.009~0.15MHz	-63.53	PASS
Band4	10MHz	16QAM	20350	1RB#0	Range2:0.15~10MHz	-70.87	PASS
Band4	10MHz	16QAM	20350	1RB#0	Range3:10~3000MHz	-23.37	PASS
Band4	10MHz	16QAM	20350	1RB#0	Range4:3000~9000MHz	-38.44	PASS
Band4	10MHz	16QAM	20350	1RB#0	Range5:9000~15000MHz	-52.82	PASS
Band4	10MHz	16QAM	20350	1RB#0	Range6:15000~20000MHz	-49.47	PASS

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Band4	15MHz	QPSK	20025	1RB#0	Range1:0.009~0.15MHz	-62.47	PASS
Band4	15MHz	QPSK	20025	1RB#0	Range2:0.15~10MHz	-68.69	PASS
Band4	15MHz	QPSK	20025	1RB#0	Range3:10~3000MHz	-29.23	PASS
Band4	15MHz	QPSK	20025	1RB#0	Range4:3000~9000MHz	-37.47	PASS
Band4	15MHz	QPSK	20025	1RB#0	Range5:9000~15000MHz	-52.88	PASS
Band4	15MHz	QPSK	20025	1RB#0	Range6:15000~20000MHz	-49.43	PASS
Band4	15MHz	QPSK	20175	1RB#0	Range1:0.009~0.15MHz	-62.85	PASS
Band4	15MHz	QPSK	20175	1RB#0	Range2:0.15~10MHz	-68.13	PASS
Band4	15MHz	QPSK	20175	1RB#0	Range3:10~3000MHz	-28.78	PASS
Band4	15MHz	QPSK	20175	1RB#0	Range4:3000~9000MHz	-37.54	PASS
Band4	15MHz	QPSK	20175	1RB#0	Range5:9000~15000MHz	-52.73	PASS
Band4	15MHz	QPSK	20175	1RB#0	Range6:15000~20000MHz	-49.51	PASS
Band4	15MHz	QPSK	20325	1RB#0	Range1:0.009~0.15MHz	-61.12	PASS
Band4	15MHz	QPSK	20325	1RB#0	Range2:0.15~10MHz	-69.38	PASS
Band4	15MHz	QPSK	20325	1RB#0	Range3:10~3000MHz	-30.1	PASS
Band4	15MHz	QPSK	20325	1RB#0	Range4:3000~9000MHz	-37.72	PASS
Band4	15MHz	QPSK	20325	1RB#0	Range5:9000~15000MHz	-52.74	PASS
Band4	15MHz	QPSK	20325	1RB#0	Range6:15000~20000MHz	-49.46	PASS
Band4	15MHz	16QAM	20025	1RB#0	Range1:0.009~0.15MHz	-63.66	PASS
Band4	15MHz	16QAM	20025	1RB#0	Range2:0.15~10MHz	-68.23	PASS
Band4	15MHz	16QAM	20025	1RB#0	Range3:10~3000MHz	-29.39	PASS
Band4	15MHz	16QAM	20025	1RB#0	Range4:3000~9000MHz	-38.25	PASS
Band4	15MHz	16QAM	20025	1RB#0	Range5:9000~15000MHz	-52.83	PASS
Band4	15MHz	16QAM	20025	1RB#0	Range6:15000~20000MHz	-49.59	PASS
Band4	15MHz	16QAM	20175	1RB#0	Range1:0.009~0.15MHz	-62.75	PASS
Band4	15MHz	16QAM	20175	1RB#0	Range2:0.15~10MHz	-67.2	PASS
Band4	15MHz	16QAM	20175	1RB#0	Range3:10~3000MHz	-29.39	PASS
Band4	15MHz	16QAM	20175	1RB#0	Range4:3000~9000MHz	-37.76	PASS
Band4	15MHz	16QAM	20175	1RB#0	Range5:9000~15000MHz	-52.61	PASS
Band4	15MHz	16QAM	20175	1RB#0	Range6:15000~20000MHz	-49.51	PASS
Band4	15MHz	16QAM	20325	1RB#0	Range1:0.009~0.15MHz	-62.21	PASS
Band4	15MHz	16QAM	20325	1RB#0	Range2:0.15~10MHz	-68.94	PASS
Band4	15MHz	16QAM	20325	1RB#0	Range3:10~3000MHz	-28.62	PASS

Band4	15MHz	16QAM	20325	1RB#0	Range4:3000~9000MHz	-38.08	PASS
Band4	15MHz	16QAM	20325	1RB#0	Range5:9000~15000MHz	-52.59	PASS
Band4	15MHz	16QAM	20325	1RB#0	Range6:15000~20000MHz	-49.42	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range1:0.009~0.15MHz	-62.69	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range2:0.15~10MHz	-67.7	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range3:10~3000MHz	-30.09	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range4:3000~9000MHz	-38.1	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range5:9000~15000MHz	-52.76	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range6:15000~20000MHz	-49.44	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range1:0.009~0.15MHz	-61.66	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range2:0.15~10MHz	-69.69	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range3:10~3000MHz	-28.91	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range4:3000~9000MHz	-37.64	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range5:9000~15000MHz	-52.81	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range6:15000~20000MHz	-49.48	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range1:0.009~0.15MHz	-62.18	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range2:0.15~10MHz	-70.25	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range3:10~3000MHz	-29.57	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range4:3000~9000MHz	-37.5	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range5:9000~15000MHz	-52.79	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range6:15000~20000MHz	-49.35	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range1:0.009~0.15MHz	-62.8	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range2:0.15~10MHz	-69.49	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range3:10~3000MHz	-29.7	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range4:3000~9000MHz	-37.6	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range5:9000~15000MHz	-52.69	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range6:15000~20000MHz	-49.37	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range1:0.009~0.15MHz	-62.13	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range2:0.15~10MHz	-69.47	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range3:10~3000MHz	-28.9	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range4:3000~9000MHz	-37.82	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range5:9000~15000MHz	-52.81	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range6:15000~20000MHz	-49.54	PASS

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Band4	20MHz	16QAM	20300	1RB#0	Range1:0.009~0.15MHz	-62.72	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range2:0.15~10MHz	-70.32	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range3:10~3000MHz	-29.37	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range4:3000~9000MHz	-38.18	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range5:9000~15000MHz	-52.79	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range6:15000~20000MHz	-49.31	PASS

Test Graphs

GSM850_128



GSM850_128



GSM850_128



GSM850_128



GSM850_190



GSM850_190



GSM850_190



GSM850_190



GSM850_251



GSM850_251



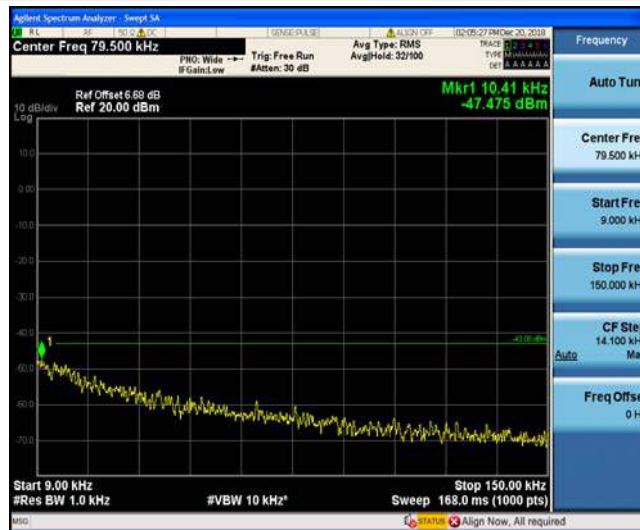
GSM850_251



GSM850_251



GPRS850_128



GPRS850_128



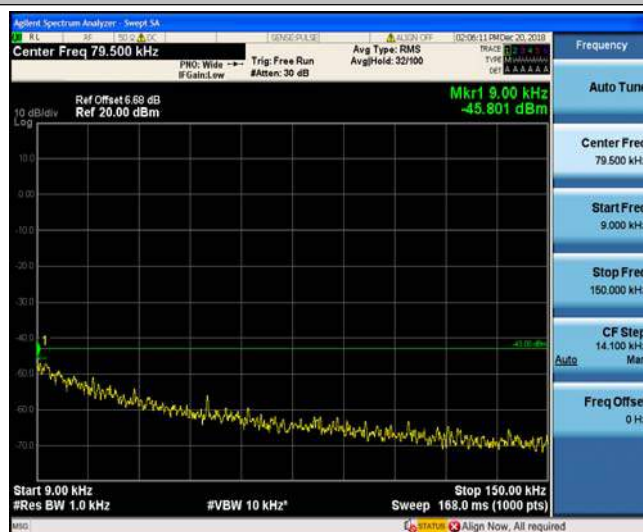
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GPRS850_128



GPRS850_190



GPRS850_190



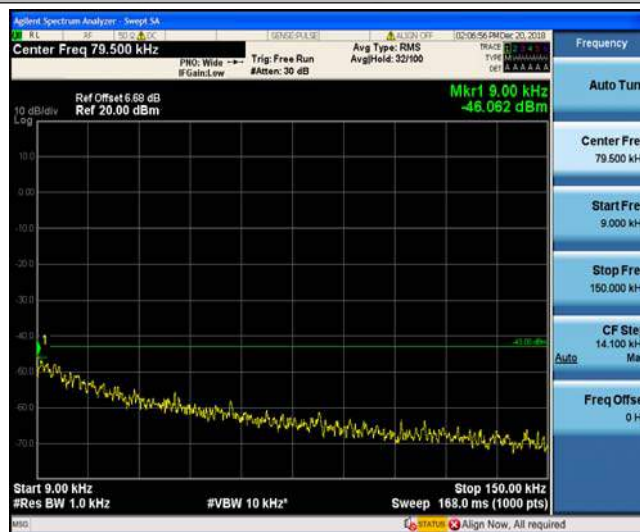
GPRS850_190



GPRS850_190



GPRS850_251



GPRS850_251



GPRS850_251



GPRS850_251



GSM1900_512



GSM1900_512



GSM1900_512



GSM1900_512



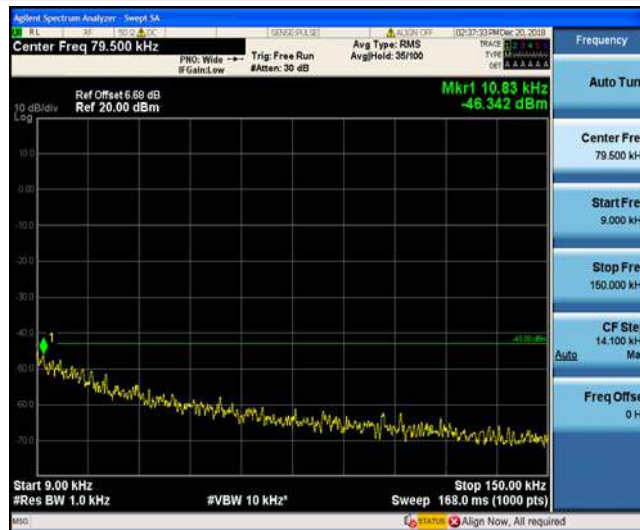
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GSM1900_512



GSM1900_661



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