

7.2.1 Radiated method

Note:

1, Below 30MHz no Spurious found.

2, UE is positioned at 3 axis at the pre-scan stage, and only the measurement of the worst case(bandwidth:20MHz /Full RB /QPSK) is reported in this part.

List of final test modes:

GSM850:

Mode	UL Channel	Frequency	Judgement
1	128	824.2	Pass
2	190	836.6	Pass
3	251	848.8	Pass

PCS1900

Mode	UL Channel	Frequency	Judgement
1	512	1850.2	Pass
2	661	1880	Pass
3	810	1909.8	Pass

UTRA BANDS

BAND 2:

Mode	UL Channel	Frequency	Judgement
1	9262	1852.4	Pass
2	9400	1880	Pass
3	9538	1907.6	Pass

BAND 4:

Mode	UL Channel	Frequency	Judgement
1	128	824.2	Pass
2	190	836.6	Pass
3	251	848.8	Pass

BAND 5:

Mode	UL Channel	Frequency	Judgement
1	1312	1712.4	Pass
2	1413	1732.6	Pass
3	1513	1752.6	Pass

E-UTRA BANDS**BAND 2:**

Mode	Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgement
1	20	18700	1860	QPSK	100	LOW	Pass
2	20	18900	1880	QPSK	100	LOW	Pass
3	20	19100	1900	QPSK	100	LOW	Pass

BAND 4:

Mode	Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgement
1	20	20050	1720	Q16	100	LOW	Pass
2	20	20300	1745	Q16	100	LOW	Pass
3	20	20175	1732.5	Q16	100	LOW	Pass

BAND 7:

Mode	Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgement
1	20	20850	2510	QPSK	100	LOW	Pass
2	20	21350	2560	QPSK	100	LOW	Pass
3	20	21100	2535	QPSK	100	LOW	Pass

BAND 20:

Mode	Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgement
1	15	24225	839.5	QPSK	75	LOW	Pass
2	15	24245	841.5	QPSK	75	LOW	Pass
3	15	24230	840	QPSK	75	LOW	Pass

BAND 28:

Mode	Bandwidth	UL Channel	Frequency	Modulation	RB Size	RB Offset	Judgement
1	20	27535	735.5	QPSK	100	LOW	Pass
2	20	27560	738	QPSK	100	LOW	Pass
3	20	27540	736	QPSK	100	LOW	Pass

Test record:

GSM850:

Mode 1						
Frequency(MHz)	Power(dBm)	A _{Rpl} (dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity	
1648.4	-56.22	10.71	-45.51	-13	Horizontal	
1648.4	-51.53	10.71	-40.82	-13	Vertical	
2472.6	-68.16	11.95	-56.21	-13	Horizontal	
2472.6	-56.94	11.95	-44.99	-13	Vertical	

Mode 2						
Frequency(MHz)	Power(dBm)	A _{Rpl} (dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity	
1673.2	-53.77	10.83	-42.94	-13	Horizontal	
1673.2	-58.89	10.77	-48.11	-13	Vertical	
2509.8	-62.92	12.21	-50.72	-13	Horizontal	
2509.8	-59.42	12.09	-47.33	-13	Vertical	

Mode 3						
Frequency(MHz)	Power(dBm)	A _{Rpl} (dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity	
1697.6	-61.48	10.98	-50.50	-13	Horizontal	
1697.6	-64.75	10.95	-53.80	-13	Vertical	
2546.4	-53.04	12.43	-40.61	-13	Horizontal	
2546.4	-66.60	12.37	-54.23	-13	Vertical	

PCS1900:

Mode 1					
Frequency(MHz)	Power(dBm)	A _{Rpl} (dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity
3700.4	-50.49	9.28	-41.21	-13	Horizontal
3700.4	-54.60	9.28	-45.32	-13	Vertical
5550.6	-59.35	11.31	-48.03	-13	Horizontal
5550.6	-52.19	11.31	-40.87	-13	Vertical

Mode 2					
Frequency(MHz)	Power(dBm)	A _{Rpl} (dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity
3760	-64.64	9.44	-55.20	-13	Horizontal
3760	-50.85	9.52	-41.33	-13	Vertical
5640	-54.26	11.51	-42.74	-13	Horizontal
5640	-63.03	11.48	-51.55	-13	Vertical

Mode 3					
Frequency(MHz)	Power(dBm)	A _{Rpl} (dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity
3819.6	-64.63	9.71	-54.92	-13	Horizontal
3819.6	-64.99	9.68	-55.32	-13	Vertical
5729.4	-62.12	11.75	-50.36	-13	Horizontal
5729.4	-57.28	11.55	-45.73	-13	Vertical

UTRA BANDS**BAND 2:**

Mode 1					
Frequency(MHz)	Power(dBm)	A _{Rpl} (dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity
3704.8	-63.34	9.63	-53.71	-13	Horizontal
3704.8	-51.56	9.63	-41.93	-13	Vertical
5557.2	-56.28	12.71	-43.57	-13	Horizontal
5557.2	-63.91	12.71	-51.20	-13	Vertical

Mode 2					
Frequency(MHz)	Power(dBm)	A _{Rpl} (dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity
3760	-59.50	9.73	-49.76	-13	Horizontal
3760	-63.66	9.64	-54.02	-13	Vertical
5640	-56.83	12.76	-44.07	-13	Horizontal
5640	-65.30	12.73	-52.57	-13	Vertical

Mode 3					
Frequency(MHz)	Power(dBm)	A _{Rpl} (dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity
3815.2	-56.62	9.77	-46.85	-13	Horizontal
3815.2	-60.59	9.90	-50.69	-13	Vertical
5722.8	-65.71	12.84	-52.86	-13	Horizontal
5722.8	-67.34	12.73	-54.61	-13	Vertical

BAND 4:

Mode 1					
Frequency(MHz)	Power(dBm)	A _{Rpl} (dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity
3424.8	-64.18	9.63	-54.55	-13	Horizontal
3424.8	-57.03	9.63	-47.40	-13	Vertical
5137.2	-67.75	12.71	-55.04	-13	Horizontal
5137.2	-52.95	12.71	-40.24	-13	Vertical

Mode 2					
Frequency(MHz)	Power(dBm)	A _{Rpl} (dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity
3465.2	-57.92	9.72	-48.20	-13	Horizontal
3465.2	-58.71	9.88	-48.83	-13	Vertical
5197.8	-58.83	12.95	-45.88	-13	Horizontal
5197.8	-63.88	12.96	-50.92	-13	Vertical

Mode 3					
Frequency(MHz)	Power(dBm)	A _{Rpl} (dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity
3505.2	-51.00	9.88	-41.11	-13	Horizontal
3505.2	-53.33	10.17	-43.17	-13	Vertical
5257.8	-59.18	13.22	-45.96	-13	Horizontal
5257.8	-53.22	13.18	-40.04	-13	Vertical

BAND 5:

Mode 1					
Frequency(MHz)	Power(dBm)	A _{Rpl} (dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity
1652.8	-55.68	10.71	-44.97	-13	Horizontal
1652.8	-60.83	10.71	-50.12	-13	Vertical
2479.2	-62.43	11.95	-50.48	-13	Horizontal
2479.2	-66.60	11.95	-54.65	-13	Vertical

Mode 2					
Frequency(MHz)	Power(dBm)	A _{Rpl} (dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity
1673.2	-65.24	10.99	-54.25	-13	Horizontal
1673.2	-52.63	10.78	-41.85	-13	Vertical
2509.8	-67.80	12.05	-55.74	-13	Horizontal
2509.8	-60.38	12.02	-48.36	-13	Vertical

Mode 3					
Frequency(MHz)	Power(dBm)	A _{Rpl} (dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity
1693.2	-60.06	11.13	-48.93	-13	Horizontal
1693.2	-61.17	10.92	-50.25	-13	Vertical
2539.8	-52.34	12.30	-40.04	-13	Horizontal
2539.8	-63.72	12.11	-51.60	-13	Vertical

E-UTRA BANDS**BAND 2:**

Mode 1					
Frequency(MHz)	Power(dBm)	A _{Rpl} (dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity
3720	-62.35	10.21	-52.14	-13	Horizontal
3720	-64.73	10.21	-54.52	-13	Vertical
5580	-62.97	13.26	-49.71	-13	Horizontal
5580	-64.09	13.26	-50.83	-13	Vertical

Mode 2					
Frequency(MHz)	Power(dBm)	A _{Rpl} (dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity
3760	-64.19	10.23	-53.96	-13	Horizontal
3760	-62.72	10.23	-52.49	-13	Vertical
5640	-65.39	13.47	-51.92	-13	Horizontal
5640	-68.18	13.47	-54.71	-13	Vertical

Mode 3					
Frequency(MHz)	Power(dBm)	A _{Rpl} (dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity
3800	-61.26	10.27	-50.99	-13	Horizontal
3800	-55.69	10.27	-45.42	-13	Vertical
5700	-61.22	13.5	-47.72	-13	Horizontal
5700	-65.64	13.5	-52.14	-13	Vertical

BAND 4:

Mode 1					
Frequency(MHz)	Power(dBm)	A _{Rpl} (dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity
3440	-66.33	10.01	-56.32	-13	Horizontal
3440	-56.21	10.01	-46.20	-13	Vertical
5160	-61.11	14.6	-46.51	-13	Horizontal
5160	-57.03	14.6	-42.43	-13	Vertical

Mode 2					
Frequency(MHz)	Power(dBm)	A _{Rpl} (dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity
3490	-55.03	10.01	-45.02	-13	Horizontal
3490	-57.22	10.01	-47.21	-13	Vertical
5235	-65.08	14.8	-50.28	-13	Horizontal
5235	-61.07	14.8	-46.27	-13	Vertical

Mode 3					
Frequency(MHz)	Power(dBm)	A _{Rpl} (dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity
3465	-60.20	10.01	-50.19	-13	Horizontal
3465	-60.89	10.01	-50.88	-13	Vertical
5197.5	-67.26	14.8	-52.46	-13	Horizontal
5197.5	-70.81	14.8	-56.01	-13	Vertical

BAND 7:

Mode 1					
Frequency(MHz)	Power(dBm)	A _{Rpl} (dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity
5020	-60.64	13.57	-47.07	-25	Horizontal
5020	-62.01	13.57	-48.44	-25	Vertical
7530	-58.36	18.25	-40.11	-25	Horizontal
7530	-64.35	18.25	-46.10	-25	Vertical

Mode 2					
Frequency(MHz)	Power(dBm)	A _{Rpl} (dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity
5120	-67.46	13.57	-53.89	-25	Horizontal
5120	-59.71	13.57	-46.14	-25	Vertical
7680	-71.26	18.25	-53.01	-25	Horizontal
7680	-60.01	18.25	-41.76	-25	Vertical

Mode 3					
Frequency(MHz)	Power(dBm)	A _{Rpl} (dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity
5070	-58.87	13.57	-45.30	-25	Horizontal
5070	-63.45	13.57	-49.88	-25	Vertical
7605	-62.81	18.25	-44.56	-25	Horizontal
7605	-71.57	18.25	-53.32	-25	Vertical

BAND 20:

Mode 1					
Frequency(MHz)	Power(dBm)	A _{Rpl} (dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity
1679	-53.03	9.64	-43.39	-13	Horizontal
1679	-59.66	9.64	-50.02	-13	Vertical
2518.5	-58.37	13.34	-45.03	-13	Horizontal
2518.5	-61.64	13.34	-48.30	-13	Vertical

Mode 2					
Frequency(MHz)	Power(dBm)	A _{Rpl} (dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity
1683	-63.90	9.64	-54.26	-13	Horizontal
1683	-57.40	9.64	-47.76	-13	Vertical
2524.5	-60.29	13.34	-46.95	-13	Horizontal
2524.5	-56.70	13.34	-43.36	-13	Vertical

Mode 3					
Frequency(MHz)	Power(dBm)	A _{Rpl} (dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity
1680	-55.39	9.64	-45.75	-13	Horizontal
1680	-65.29	9.64	-55.65	-13	Vertical
2520	-67.41	13.34	-54.07	-13	Horizontal
2520	-59.67	13.34	-46.33	-13	Vertical

BAND 28:

Mode 1					
Frequency(MHz)	Power(dBm)	A _{Rpl} (dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity
1471	-51.79	9.34	-42.45	-13	Horizontal
1471	-61.72	9.34	-52.38	-13	Vertical
2206.5	-65.92	11.94	-53.98	-13	Horizontal
2206.5	-62.92	11.94	-50.98	-13	Vertical

Mode 2					
Frequency(MHz)	Power(dBm)	A _{Rpl} (dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity
1476	-65.43	9.34	-56.09	-13	Horizontal
1476	-62.60	9.34	-53.26	-13	Vertical
2214	-55.23	11.94	-43.29	-13	Horizontal
2214	-64.79	11.94	-52.85	-13	Vertical

Mode 3					
Frequency(MHz)	Power(dBm)	A _{Rpl} (dBm)	P _{Mea} (dBm)	Limit (dBm)	Polarity
1472	-61.53	9.34	-52.19	-13	Horizontal
1472	-62.49	9.34	-53.15	-13	Vertical
2208	-54.06	11.94	-42.12	-13	Horizontal
2208	-69.18	11.94	-57.24	-13	Vertical

8 FREQUENCY STABILITY

8.1 Measurement Result (Worst)

GSM850:

Frequency	Frequency error(Hz)	Frequency error(ppm)
824.2	47	0.057
836.6	45	0.054
848.8	39	0.046

PCS1900:

Frequency	Frequency error(Hz)	Frequency error(ppm)
1850.2	35	0.019
1880	38	0.020
1909.8	35	0.018

UTRA BANDS**BAND 2:**

Frequency	Frequency error(Hz)	Frequency error(ppm)
1852.4	40	0.022
1880	36	0.019
1907.6	36	0.019

BAND 4:

Frequency	Frequency error(Hz)	Frequency error(ppm)
1712.4	40	0.022
1732.6	36	0.019
1752.6	36	0.019

BAND 5:

Frequency	Frequency error(Hz)	Frequency error(ppm)
826.4	36	0.043
836.6	33	0.040
846.6	31	0.036

UTRA BANDS**BAND 2:**

Frequency	Frequency error(Hz)	Frequency error(ppm)
3.4	35	0.042
3.7	31	0.037
4.2	40	0.048

BAND 4:

Frequency	Frequency error(Hz)	Frequency error(ppm)
3.4	35	0.042
3.7	31	0.037
4.2	40	0.048

BAND 5:

Frequency	Frequency error(Hz)	Frequency error(ppm)
3.4	35	0.042
3.7	31	0.037
4.2	40	0.048

E-UTRA**BAND 2:**

Bandwidth	UL Channel	Frequency	Modulation	RB	RB	Frequency Error (Hz)	Frequency Error (ppm)
				Size	Offset		
1.4	18607	1850.7	QPSK	1	LOW	-10.11	-0.0055
1.4	18607	1850.7	QPSK	1	MID	5.78	0.0031
1.4	18607	1850.7	QPSK	1	HIGH	5.29	0.0029
1.4	18607	1850.7	QPSK	3	LOW	2.9	0.0016
1.4	18607	1850.7	QPSK	3	MID	2.6	0.0014
1.4	18607	1850.7	QPSK	3	HIGH	4.18	0.0023
1.4	18607	1850.7	QPSK	6	LOW	-4.05	-0.0022
1.4	18607	1850.7	Q16	1	LOW	-4.59	-0.0025
1.4	18607	1850.7	Q16	1	MID	2.59	0.0014
1.4	18607	1850.7	Q16	1	HIGH	-4.85	-0.0026

Bandwidth	UL Channel	Frequency	Modulation	RB	RB	Frequency Error (Hz)	Frequency Error (ppm)
				Size	Offset		
1.4	18607	1850.7	Q16	3	LOW	-4.09	-0.0022
1.4	18607	1850.7	Q16	3	MID	-3.1	-0.0017
1.4	18607	1850.7	Q16	3	HIGH	3.36	0.0018
1.4	18607	1850.7	Q16	6	LOW	4.08	0.0022
1.4	18900	1880	QPSK	1	LOW	5.36	0.0029
1.4	18900	1880	QPSK	1	MID	-8.5	-0.0045
1.4	18900	1880	QPSK	1	HIGH	-9.83	-0.0052
1.4	18900	1880	QPSK	3	LOW	-3.05	-0.0016
1.4	18900	1880	QPSK	3	MID	5.31	0.0028
1.4	18900	1880	QPSK	3	HIGH	7.8	0.0041
1.4	18900	1880	QPSK	6	LOW	7.25	0.0039
1.4	18900	1880	Q16	1	LOW	2.83	0.0015
1.4	18900	1880	Q16	1	MID	3.12	0.0017
1.4	18900	1880	Q16	1	HIGH	-4.98	-0.0026
1.4	18900	1880	Q16	3	LOW	3.39	0.0018
1.4	18900	1880	Q16	3	MID	-3.33	-0.0018
1.4	18900	1880	Q16	3	HIGH	4.06	0.0022
1.4	18900	1880	Q16	6	LOW	4.46	0.0024
1.4	19193	1909.3	QPSK	1	LOW	7.42	0.0039
1.4	19193	1909.3	QPSK	1	MID	7.4	0.0039
1.4	19193	1909.3	QPSK	1	HIGH	5.69	0.003
1.4	19193	1909.3	QPSK	3	LOW	4.81	0.0025
1.4	19193	1909.3	QPSK	3	MID	-4.86	-0.0025
1.4	19193	1909.3	QPSK	3	HIGH	-5.59	-0.0029
1.4	19193	1909.3	QPSK	6	LOW	4.55	0.0024
1.4	19193	1909.3	Q16	1	LOW	-4.55	-0.0024
1.4	19193	1909.3	Q16	1	MID	-5.79	-0.003
1.4	19193	1909.3	Q16	1	HIGH	-5.85	-0.0031
1.4	19193	1909.3	Q16	3	LOW	-5.99	-0.0031
1.4	19193	1909.3	Q16	3	MID	4.22	0.0022
1.4	19193	1909.3	Q16	3	HIGH	-4.62	-0.0024
1.4	19193	1909.3	Q16	6	LOW	3.86	0.002
3	18615	1851.5	QPSK	1	LOW	13.75	0.0074
3	18615	1851.5	QPSK	1	MID	11.47	0.0062
3	18615	1851.5	QPSK	1	HIGH	10.49	0.0057
3	18615	1851.5	QPSK	8	LOW	5.18	0.0028

Bandwidth	UL Channel	Frequency	Modulation	RB	RB	Frequency Error (Hz)	Frequency Error (ppm)
				Size	Offset		
3	18615	1851.5	QPSK	8	MID	5.36	0.0029
3	18615	1851.5	QPSK	8	HIGH	5.78	0.0031
3	18615	1851.5	QPSK	15	LOW	-2.62	-0.0014
3	18615	1851.5	Q16	1	LOW	-5.01	-0.0027
3	18615	1851.5	Q16	1	MID	-5.46	-0.0029
3	18615	1851.5	Q16	1	HIGH	-6.19	-0.0033
3	18615	1851.5	Q16	8	LOW	-4.96	-0.0027
3	18615	1851.5	Q16	8	MID	-6.09	-0.0033
3	18615	1851.5	Q16	8	HIGH	-6.38	-0.0034
3	18615	1851.5	Q16	15	LOW	-2.73	-0.0015
3	18900	1880	QPSK	1	LOW	6.87	0.0037
3	18900	1880	QPSK	1	MID	-4.05	-0.0022
3	18900	1880	QPSK	1	HIGH	-7.12	-0.0038
3	18900	1880	QPSK	8	LOW	5.84	0.0031
3	18900	1880	QPSK	8	MID	7.4	0.0039
3	18900	1880	QPSK	8	HIGH	3.82	0.002
3	18900	1880	QPSK	15	LOW	5.94	0.0032
3	18900	1880	Q16	1	LOW	-6.45	-0.0034
3	18900	1880	Q16	1	MID	-3.5	-0.0019
3	18900	1880	Q16	1	HIGH	-3.68	-0.002
3	18900	1880	Q16	8	LOW	-4.25	-0.0023
3	18900	1880	Q16	8	MID	-6.68	-0.0036
3	18900	1880	Q16	8	HIGH	-6.35	-0.0034
3	18900	1880	Q16	15	LOW	3.45	0.0018
3	19185	1908.5	QPSK	1	LOW	-7.17	-0.0038
3	19185	1908.5	QPSK	1	MID	-6.11	-0.0032
3	19185	1908.5	QPSK	1	HIGH	4.02	0.0021
3	19185	1908.5	QPSK	8	LOW	-3.65	-0.0019
3	19185	1908.5	QPSK	8	MID	-5.68	-0.003
3	19185	1908.5	QPSK	8	HIGH	-6.15	-0.0032
3	19185	1908.5	QPSK	15	LOW	-5.95	-0.0031
3	19185	1908.5	Q16	1	LOW	-4.25	-0.0022
3	19185	1908.5	Q16	1	MID	-7.6	-0.004
3	19185	1908.5	Q16	1	HIGH	-6.07	-0.0032
3	19185	1908.5	Q16	8	LOW	-8.44	-0.0044
3	19185	1908.5	Q16	8	MID	-6.18	-0.0032

Bandwidth	UL Channel	Frequency	Modulation	RB	RB	Frequency Error (Hz)	Frequency Error (ppm)
				Size	Offset		
3	19185	1908.5	Q16	8	HIGH	-8.17	-0.0043
3	19185	1908.5	Q16	15	LOW	-7.1	-0.0037
5	18625	1852.5	QPSK	1	LOW	11.3	0.0061
5	18625	1852.5	QPSK	1	MID	7.28	0.0039
5	18625	1852.5	QPSK	1	HIGH	4.45	0.0024
5	18625	1852.5	QPSK	12	LOW	5.48	0.003
5	18625	1852.5	QPSK	12	MID	4.21	0.0023
5	18625	1852.5	QPSK	12	HIGH	3.42	0.0018
5	18625	1852.5	QPSK	25	LOW	3.99	0.0022
5	18625	1852.5	Q16	1	LOW	-4.53	-0.0024
5	18625	1852.5	Q16	1	MID	-4.11	-0.0022
5	18625	1852.5	Q16	1	HIGH	4.45	0.0024
5	18625	1852.5	Q16	12	LOW	3.65	0.002
5	18625	1852.5	Q16	12	MID	3.63	0.002
5	18625	1852.5	Q16	12	HIGH	-4.23	-0.0023
5	18625	1852.5	Q16	25	LOW	-4.02	-0.0022
5	18900	1880	QPSK	1	LOW	-4.71	-0.0025
5	18900	1880	QPSK	1	MID	-5.61	-0.003
5	18900	1880	QPSK	1	HIGH	-2.23	-0.0012
5	18900	1880	QPSK	12	LOW	2.52	0.0013
5	18900	1880	QPSK	12	MID	4.55	0.0024
5	18900	1880	QPSK	12	HIGH	4.63	0.0025
5	18900	1880	QPSK	25	LOW	3.38	0.0018
5	18900	1880	Q16	1	LOW	4.72	0.0025
5	18900	1880	Q16	1	MID	-4.28	-0.0023
5	18900	1880	Q16	1	HIGH	-7.75	-0.0041
5	18900	1880	Q16	12	LOW	4.68	0.0025
5	18900	1880	Q16	12	MID	-7.18	-0.0038
5	18900	1880	Q16	12	HIGH	5.65	0.003
5	18900	1880	Q16	25	LOW	-5.85	-0.0031
5	19175	1907.5	QPSK	1	LOW	-5.32	-0.0028
5	19175	1907.5	QPSK	1	MID	6.94	0.0036
5	19175	1907.5	QPSK	1	HIGH	4.35	0.0023
5	19175	1907.5	QPSK	12	LOW	4.86	0.0025
5	19175	1907.5	QPSK	12	MID	7.75	0.0041
5	19175	1907.5	QPSK	12	HIGH	-3.68	-0.0019

Bandwidth	UL Channel	Frequency	Modulation	RB	RB	Frequency Error (Hz)	Frequency Error (ppm)
				Size	Offset		
5	19175	1907.5	QPSK	25	LOW	5.15	0.0027
5	19175	1907.5	Q16	1	LOW	-3.12	-0.0016
5	19175	1907.5	Q16	1	MID	3.55	0.0019
5	19175	1907.5	Q16	1	HIGH	4.75	0.0025
5	19175	1907.5	Q16	12	LOW	6.18	0.0032
5	19175	1907.5	Q16	12	MID	-4.23	-0.0022
5	19175	1907.5	Q16	12	HIGH	7.05	0.0037
5	19175	1907.5	Q16	25	LOW	6.04	0.0032
10	18650	1855	QPSK	1	LOW	4.31	0.0023
10	18650	1855	QPSK	1	MID	2.36	0.0013
10	18650	1855	QPSK	1	HIGH	-5.02	-0.0027
10	18650	1855	QPSK	25	LOW	-4.59	-0.0025
10	18650	1855	QPSK	25	MID	-7.65	-0.0041
10	18650	1855	QPSK	25	HIGH	3.36	0.0018
10	18650	1855	QPSK	50	LOW	-4.79	-0.0026
10	18650	1855	Q16	1	LOW	-8.58	-0.0046
10	18650	1855	Q16	1	MID	-10.5	-0.0057
10	18650	1855	Q16	1	HIGH	-8.78	-0.0047
10	18650	1855	Q16	25	LOW	-5.45	-0.0029
10	18650	1855	Q16	25	MID	-5.92	-0.0032
10	18650	1855	Q16	25	HIGH	-5.58	-0.003
10	18650	1855	Q16	50	LOW	-7.31	-0.0039
10	18900	1880	QPSK	1	LOW	-5.75	-0.0031
10	18900	1880	QPSK	1	MID	-2.92	-0.0016
10	18900	1880	QPSK	1	HIGH	7.15	0.0038
10	18900	1880	QPSK	25	LOW	2.56	0.0014
10	18900	1880	QPSK	25	MID	-3.18	-0.0017
10	18900	1880	QPSK	25	HIGH	-5.64	-0.003
10	18900	1880	QPSK	50	LOW	-3.86	-0.0021
10	18900	1880	Q16	1	LOW	-5.87	-0.0031
10	18900	1880	Q16	1	MID	-4.02	-0.0021
10	18900	1880	Q16	1	HIGH	-3.03	-0.0016
10	18900	1880	Q16	25	LOW	-6.77	-0.0036
10	18900	1880	Q16	25	MID	-6.74	-0.0036
10	18900	1880	Q16	25	HIGH	-6.12	-0.0033
10	18900	1880	Q16	50	LOW	-4.56	-0.0024

Bandwidth	UL Channel	Frequency	Modulation	RB	RB	Frequency Error (Hz)	Frequency Error (ppm)
				Size	Offset		
10	19150	1905	QPSK	1	LOW	-6.05	-0.0032
10	19150	1905	QPSK	1	MID	-3.28	-0.0017
10	19150	1905	QPSK	1	HIGH	-4.18	-0.0022
10	19150	1905	QPSK	25	LOW	-5.55	-0.0029
10	19150	1905	QPSK	25	MID	-3.6	-0.0019
10	19150	1905	QPSK	25	HIGH	-7.7	-0.004
10	19150	1905	QPSK	50	LOW	-4.92	-0.0026
10	19150	1905	Q16	1	LOW	-5.95	-0.0031
10	19150	1905	Q16	1	MID	-6.24	-0.0033
10	19150	1905	Q16	1	HIGH	-7.55	-0.004
10	19150	1905	Q16	25	LOW	-4.41	-0.0023
10	19150	1905	Q16	25	MID	-4.02	-0.0021
10	19150	1905	Q16	25	HIGH	-5.16	-0.0027
10	19150	1905	Q16	50	LOW	-4.42	-0.0023
15	18675	1857.5	QPSK	1	LOW	8.05	0.0043
15	18675	1857.5	QPSK	1	MID	6.75	0.0036
15	18675	1857.5	QPSK	1	HIGH	5.81	0.0031
15	18675	1857.5	QPSK	36	LOW	3.59	0.0019
15	18675	1857.5	QPSK	36	MID	-2.92	-0.0016
15	18675	1857.5	QPSK	36	HIGH	5.71	0.0031
15	18675	1857.5	QPSK	75	LOW	-4.51	-0.0024
15	18675	1857.5	Q16	1	LOW	5.87	0.0032
15	18675	1857.5	Q16	1	MID	-4.76	-0.0026
15	18675	1857.5	Q16	1	HIGH	5.09	0.0027
15	18675	1857.5	Q16	36	LOW	3.33	0.0018
15	18675	1857.5	Q16	36	MID	4.59	0.0025
15	18675	1857.5	Q16	36	HIGH	4.51	0.0024
15	18675	1857.5	Q16	75	LOW	4.91	0.0026
15	18900	1880	QPSK	1	LOW	-3.96	-0.0021
15	18900	1880	QPSK	1	MID	3	0.0016
15	18900	1880	QPSK	1	HIGH	-3.42	-0.0018
15	18900	1880	QPSK	36	LOW	-4.11	-0.0022
15	18900	1880	QPSK	36	MID	-5.29	-0.0028
15	18900	1880	QPSK	36	HIGH	-3.85	-0.002
15	18900	1880	QPSK	75	LOW	-3.4	-0.0018
15	18900	1880	Q16	1	LOW	-7.07	-0.0038

Bandwidth	UL Channel	Frequency	Modulation	RB	RB	Frequency Error (Hz)	Frequency Error (ppm)
				Size	Offset		
15	18900	1880	Q16	1	MID	-5.65	-0.003
15	18900	1880	Q16	1	HIGH	-5.26	-0.0028
15	18900	1880	Q16	36	LOW	-5.04	-0.0027
15	18900	1880	Q16	36	MID	-5.09	-0.0027
15	18900	1880	Q16	36	HIGH	-5.55	-0.003
15	18900	1880	Q16	75	LOW	-5.08	-0.0027
15	19125	1902.5	QPSK	1	LOW	7.55	0.004
15	19125	1902.5	QPSK	1	MID	13.95	0.0073
15	19125	1902.5	QPSK	1	HIGH	12.06	0.0063
15	19125	1902.5	QPSK	36	LOW	14.71	0.0077
15	19125	1902.5	QPSK	36	MID	4.82	0.0025
15	19125	1902.5	QPSK	36	HIGH	3.49	0.0018
15	19125	1902.5	QPSK	75	LOW	4.96	0.0026
15	19125	1902.5	Q16	1	LOW	4.81	0.0025
15	19125	1902.5	Q16	1	MID	3.73	0.002
15	19125	1902.5	Q16	1	HIGH	4.89	0.0026
15	19125	1902.5	Q16	36	LOW	4.51	0.0024
15	19125	1902.5	Q16	36	MID	5.42	0.0028
15	19125	1902.5	Q16	36	HIGH	-5.31	-0.0028
15	19125	1902.5	Q16	75	LOW	4.28	0.0022
20	18700	1860	QPSK	1	LOW	7.98	0.0043
20	18700	1860	QPSK	1	MID	5.91	0.0032
20	18700	1860	QPSK	1	HIGH	7.72	0.0042
20	18700	1860	QPSK	50	LOW	4.78	0.0026
20	18700	1860	QPSK	50	MID	3.78	0.002
20	18700	1860	QPSK	50	HIGH	4.05	0.0022
20	18700	1860	QPSK	100	LOW	-5.19	-0.0028
20	18700	1860	Q16	1	LOW	3.71	0.002
20	18700	1860	Q16	1	MID	-4.15	-0.0022
20	18700	1860	Q16	1	HIGH	6.92	0.0037
20	18700	1860	Q16	50	LOW	4.23	0.0023
20	18700	1860	Q16	50	MID	-2.46	-0.0013
20	18700	1860	Q16	50	HIGH	-5.26	-0.0028
20	18700	1860	Q16	100	LOW	-3.98	-0.0021
20	18900	1880	QPSK	1	LOW	-5.35	-0.0028
20	18900	1880	QPSK	1	MID	-3.96	-0.0021

Bandwidth	UL Channel	Frequency	Modulation	RB	RB	Frequency Error (Hz)	Frequency Error (ppm)
				Size	Offset		
20	18900	1880	QPSK	1	HIGH	3.72	0.002
20	18900	1880	QPSK	50	LOW	3.82	0.002
20	18900	1880	QPSK	50	MID	6.92	0.0037
20	18900	1880	QPSK	50	HIGH	-5.34	-0.0028
20	18900	1880	QPSK	100	LOW	-4.85	-0.0026
20	18900	1880	Q16	1	LOW	-4.68	-0.0025
20	18900	1880	Q16	1	MID	5.42	0.0029
20	18900	1880	Q16	1	HIGH	6.05	0.0032
20	18900	1880	Q16	50	LOW	-3.36	-0.0018
20	18900	1880	Q16	50	MID	-4.18	-0.0022
20	18900	1880	Q16	50	HIGH	-3.75	-0.002
20	18900	1880	Q16	100	LOW	4.28	0.0023
20	19100	1900	QPSK	1	LOW	7.47	0.0039
20	19100	1900	QPSK	1	MID	5.05	0.0027
20	19100	1900	QPSK	1	HIGH	3.68	0.0019
20	19100	1900	QPSK	50	LOW	10.73	0.0056
20	19100	1900	QPSK	50	MID	2.95	0.0016
20	19100	1900	QPSK	50	HIGH	4.05	0.0021
20	19100	1900	QPSK	100	LOW	-5.29	-0.0028
20	19100	1900	Q16	1	LOW	-8.48	-0.0045
20	19100	1900	Q16	1	MID	-7.2	-0.0038
20	19100	1900	Q16	1	HIGH	-8.47	-0.0045
20	19100	1900	Q16	50	LOW	-4.84	-0.0025
20	19100	1900	Q16	50	MID	-4.09	-0.0022
20	19100	1900	Q16	50	HIGH	-5.28	-0.0028
20	19100	1900	Q16	100	LOW	-6.71	-0.0035

BAND 4:

Bandwidth	UL Channel	Frequency	Modulation	RB	RB	Frequency Error	Frequency Error
				Size	Offset	(Hz)	(ppm)
1.4	19957	1710.7	QPSK	1	LOW	-9.91	-0.0058
1.4	19957	1710.7	QPSK	1	MID	5.35	0.0031
1.4	19957	1710.7	QPSK	1	HIGH	2.63	0.0015
1.4	19957	1710.7	QPSK	3	LOW	3.2	0.0019
1.4	19957	1710.7	QPSK	3	MID	-3.06	-0.0018
1.4	19957	1710.7	QPSK	3	HIGH	5.61	0.0033
1.4	19957	1710.7	QPSK	6	LOW	6.44	0.0038
1.4	19957	1710.7	Q16	1	LOW	6.04	0.0035
1.4	19957	1710.7	Q16	1	MID	4.63	0.0027
1.4	19957	1710.7	Q16	1	HIGH	8.41	0.0049
1.4	19957	1710.7	Q16	3	LOW	-5.72	-0.0033
1.4	19957	1710.7	Q16	3	MID	6.74	0.0039
1.4	19957	1710.7	Q16	3	HIGH	4.49	0.0026
1.4	19957	1710.7	Q16	6	LOW	7.47	0.0044
1.4	20393	1754.3	QPSK	1	LOW	3.69	0.0021
1.4	20393	1754.3	QPSK	1	MID	4.15	0.0024
1.4	20393	1754.3	QPSK	1	HIGH	-3.68	-0.0021
1.4	20393	1754.3	QPSK	3	LOW	-2.93	-0.0017
1.4	20393	1754.3	QPSK	3	MID	-4.46	-0.0025
1.4	20393	1754.3	QPSK	3	HIGH	-3.99	-0.0023
1.4	20393	1754.3	QPSK	6	LOW	3.91	0.0022
1.4	20393	1754.3	Q16	1	LOW	-4.55	-0.0026
1.4	20393	1754.3	Q16	1	MID	-6.24	-0.0036
1.4	20393	1754.3	Q16	1	HIGH	-5.02	-0.0029
1.4	20393	1754.3	Q16	3	LOW	-5.06	-0.0029
1.4	20393	1754.3	Q16	3	MID	-2.62	-0.0015
1.4	20393	1754.3	Q16	3	HIGH	3.26	0.0019
1.4	20393	1754.3	Q16	6	LOW	5.06	0.0029
1.4	20175	1732.5	QPSK	1	LOW	3.78	0.0022
1.4	20175	1732.5	QPSK	1	MID	-6.09	-0.0035
1.4	20175	1732.5	QPSK	1	HIGH	3.6	0.0021
1.4	20175	1732.5	QPSK	3	LOW	5.79	0.0033
1.4	20175	1732.5	QPSK	3	MID	8.5	0.0049
1.4	20175	1732.5	QPSK	3	HIGH	5.52	0.0032

Bandwidth	UL Channel	Frequency	Modulation	RB	RB	Frequency Error	Frequency Error
				Size	Offset	(Hz)	(ppm)
1.4	20175	1732.5	QPSK	6	LOW	2.85	0.0016
1.4	20175	1732.5	Q16	1	LOW	-4.38	-0.0025
1.4	20175	1732.5	Q16	1	MID	-3.2	-0.0018
1.4	20175	1732.5	Q16	1	HIGH	-3.71	-0.0021
1.4	20175	1732.5	Q16	3	LOW	-3.23	-0.0019
1.4	20175	1732.5	Q16	3	MID	-2.19	-0.0013
1.4	20175	1732.5	Q16	3	HIGH	4.22	0.0024
1.4	20175	1732.5	Q16	6	LOW	-2.68	-0.0015
3	19965	1711.5	QPSK	1	LOW	-11.4	-0.0067
3	19965	1711.5	QPSK	1	MID	6.55	0.0038
3	19965	1711.5	QPSK	1	HIGH	4.88	0.0029
3	19965	1711.5	QPSK	8	LOW	-5.94	-0.0035
3	19965	1711.5	QPSK	8	MID	-5.42	-0.0032
3	19965	1711.5	QPSK	8	HIGH	2.13	0.0012
3	19965	1711.5	QPSK	15	LOW	4.75	0.0028
3	19965	1711.5	Q16	1	LOW	-2.26	-0.0013
3	19965	1711.5	Q16	1	MID	2.93	0.0017
3	19965	1711.5	Q16	1	HIGH	-5.11	-0.003
3	19965	1711.5	Q16	8	LOW	-5.71	-0.0033
3	19965	1711.5	Q16	8	MID	-4.85	-0.0028
3	19965	1711.5	Q16	8	HIGH	-4.45	-0.0026
3	19965	1711.5	Q16	15	LOW	-3.83	-0.0022
3	20385	1753.5	QPSK	1	LOW	4.63	0.0026
3	20385	1753.5	QPSK	1	MID	-3.03	-0.0017
3	20385	1753.5	QPSK	1	HIGH	-3.38	-0.0019
3	20385	1753.5	QPSK	8	LOW	4.18	0.0024
3	20385	1753.5	QPSK	8	MID	-3.16	-0.0018
3	20385	1753.5	QPSK	8	HIGH	-4.01	-0.0023
3	20385	1753.5	QPSK	15	LOW	3.45	0.002
3	20385	1753.5	Q16	1	LOW	-6.12	-0.0035
3	20385	1753.5	Q16	1	MID	-5.51	-0.0031
3	20385	1753.5	Q16	1	HIGH	-8.17	-0.0047
3	20385	1753.5	Q16	8	LOW	-7.35	-0.0042
3	20385	1753.5	Q16	8	MID	-5.06	-0.0029
3	20385	1753.5	Q16	8	HIGH	-5.35	-0.0031
3	20385	1753.5	Q16	15	LOW	-5.12	-0.0029

Bandwidth	UL Channel	Frequency	Modulation	RB	RB	Frequency Error	Frequency Error
				Size	Offset	(Hz)	(ppm)
3	20175	1732.5	QPSK	1	LOW	-4.69	-0.0027
3	20175	1732.5	QPSK	1	MID	-7.07	-0.0041
3	20175	1732.5	QPSK	1	HIGH	-4.39	-0.0025
3	20175	1732.5	QPSK	8	LOW	4.73	0.0027
3	20175	1732.5	QPSK	8	MID	5.98	0.0035
3	20175	1732.5	QPSK	8	HIGH	7.7	0.0044
3	20175	1732.5	QPSK	15	LOW	6.9	0.004
3	20175	1732.5	Q16	1	LOW	-4.56	-0.0026
3	20175	1732.5	Q16	1	MID	-5.05	-0.0029
3	20175	1732.5	Q16	1	HIGH	3.59	0.0021
3	20175	1732.5	Q16	8	LOW	-3.6	-0.0021
3	20175	1732.5	Q16	8	MID	-6.09	-0.0035
3	20175	1732.5	Q16	8	HIGH	-4.91	-0.0028
3	20175	1732.5	Q16	15	LOW	-5.92	-0.0034
5	19975	1712.5	QPSK	1	LOW	-5.52	-0.0032
5	19975	1712.5	QPSK	1	MID	8.04	0.0047
5	19975	1712.5	QPSK	1	HIGH	5.91	0.0035
5	19975	1712.5	QPSK	12	LOW	8.54	0.005
5	19975	1712.5	QPSK	12	MID	5.85	0.0034
5	19975	1712.5	QPSK	12	HIGH	4.63	0.0027
5	19975	1712.5	QPSK	25	LOW	5.42	0.0032
5	19975	1712.5	Q16	1	LOW	6.52	0.0038
5	19975	1712.5	Q16	1	MID	5.66	0.0033
5	19975	1712.5	Q16	1	HIGH	6.42	0.0037
5	19975	1712.5	Q16	12	LOW	8.28	0.0048
5	19975	1712.5	Q16	12	MID	7.61	0.0044
5	19975	1712.5	Q16	12	HIGH	4.48	0.0026
5	19975	1712.5	Q16	25	LOW	4.53	0.0026
5	20375	1752.5	QPSK	1	LOW	-3.99	-0.0023
5	20375	1752.5	QPSK	1	MID	-3.02	-0.0017
5	20375	1752.5	QPSK	1	HIGH	4.15	0.0024
5	20375	1752.5	QPSK	12	LOW	4.58	0.0026
5	20375	1752.5	QPSK	12	MID	3.39	0.0019
5	20375	1752.5	QPSK	12	HIGH	-6.58	-0.0038
5	20375	1752.5	QPSK	25	LOW	3.16	0.0018
5	20375	1752.5	Q16	1	LOW	2.57	0.0015

Bandwidth	UL Channel	Frequency	Modulation	RB	RB	Frequency Error	Frequency Error
				Size	Offset	(Hz)	(ppm)
5	20375	1752.5	Q16	1	MID	-5.39	-0.0031
5	20375	1752.5	Q16	1	HIGH	5.66	0.0032
5	20375	1752.5	Q16	12	LOW	2.73	0.0016
5	20375	1752.5	Q16	12	MID	-5.25	-0.003
5	20375	1752.5	Q16	12	HIGH	-4.42	-0.0025
5	20375	1752.5	Q16	25	LOW	-3.72	-0.0021
5	20175	1732.5	QPSK	1	LOW	-4.75	-0.0027
5	20175	1732.5	QPSK	1	MID	-5.36	-0.0031
5	20175	1732.5	QPSK	1	HIGH	3.3	0.0019
5	20175	1732.5	QPSK	12	LOW	-3.96	-0.0023
5	20175	1732.5	QPSK	12	MID	4.66	0.0027
5	20175	1732.5	QPSK	12	HIGH	5.42	0.0031
5	20175	1732.5	QPSK	25	LOW	5.08	0.0029
5	20175	1732.5	Q16	1	LOW	-3.2	-0.0018
5	20175	1732.5	Q16	1	MID	3.76	0.0022
5	20175	1732.5	Q16	1	HIGH	-4.22	-0.0024
5	20175	1732.5	Q16	12	LOW	3.81	0.0022
5	20175	1732.5	Q16	12	MID	4.15	0.0024
5	20175	1732.5	Q16	12	HIGH	-2.89	-0.0017
5	20175	1732.5	Q16	25	LOW	-3.59	-0.0021
10	20000	1715	QPSK	1	LOW	-8.24	-0.0048
10	20000	1715	QPSK	1	MID	-4.66	-0.0027
10	20000	1715	QPSK	1	HIGH	-6.88	-0.004
10	20000	1715	QPSK	25	LOW	-5.05	-0.0029
10	20000	1715	QPSK	25	MID	-4.06	-0.0024
10	20000	1715	QPSK	25	HIGH	-3.38	-0.002
10	20000	1715	QPSK	50	LOW	-4.91	-0.0029
10	20000	1715	Q16	1	LOW	-3.49	-0.002
10	20000	1715	Q16	1	MID	-3.6	-0.0021
10	20000	1715	Q16	1	HIGH	-4.91	-0.0029
10	20000	1715	Q16	25	LOW	-6.54	-0.0038
10	20000	1715	Q16	25	MID	-6.09	-0.0036
10	20000	1715	Q16	25	HIGH	-8.8	-0.0051
10	20000	1715	Q16	50	LOW	-2.65	-0.0015
10	20350	1750	QPSK	1	LOW	-3.93	-0.0022
10	20350	1750	QPSK	1	MID	-2.69	-0.0015

Bandwidth	UL Channel	Frequency	Modulation	RB	RB	Frequency Error	Frequency Error
				Size	Offset	(Hz)	(ppm)
10	20350	1750	QPSK	1	HIGH	3.58	0.002
10	20350	1750	QPSK	25	LOW	-3.19	-0.0018
10	20350	1750	QPSK	25	MID	-2.82	-0.0016
10	20350	1750	QPSK	25	HIGH	5.89	0.0034
10	20350	1750	QPSK	50	LOW	-5.75	-0.0033
10	20350	1750	Q16	1	LOW	-5.94	-0.0034
10	20350	1750	Q16	1	MID	-5.02	-0.0029
10	20350	1750	Q16	1	HIGH	-4.28	-0.0024
10	20350	1750	Q16	25	LOW	2.15	0.0012
10	20350	1750	Q16	25	MID	-3.38	-0.0019
10	20350	1750	Q16	25	HIGH	-3.68	-0.0021
10	20350	1750	Q16	50	LOW	-4.88	-0.0028
10	20175	1732.5	QPSK	1	LOW	-7.02	-0.0041
10	20175	1732.5	QPSK	1	MID	-4.28	-0.0025
10	20175	1732.5	QPSK	1	HIGH	-3.55	-0.002
10	20175	1732.5	QPSK	25	LOW	-3.91	-0.0023
10	20175	1732.5	QPSK	25	MID	-6.39	-0.0037
10	20175	1732.5	QPSK	25	HIGH	-5.79	-0.0033
10	20175	1732.5	QPSK	50	LOW	-5.06	-0.0029
10	20175	1732.5	Q16	1	LOW	-6.25	-0.0036
10	20175	1732.5	Q16	1	MID	-5.34	-0.0031
10	20175	1732.5	Q16	1	HIGH	-5.22	-0.003
10	20175	1732.5	Q16	25	LOW	-3.12	-0.0018
10	20175	1732.5	Q16	25	MID	-5.89	-0.0034
10	20175	1732.5	Q16	25	HIGH	-6.02	-0.0035
10	20175	1732.5	Q16	50	LOW	-4.36	-0.0025
15	20025	1717.5	QPSK	1	LOW	-7.44	-0.0043
15	20025	1717.5	QPSK	1	MID	-5.34	-0.0031
15	20025	1717.5	QPSK	1	HIGH	4.49	0.0026
15	20025	1717.5	QPSK	36	LOW	4.11	0.0024
15	20025	1717.5	QPSK	36	MID	-5.36	-0.0031
15	20025	1717.5	QPSK	36	HIGH	-3.66	-0.0021
15	20025	1717.5	QPSK	75	LOW	-2.26	-0.0013
15	20025	1717.5	Q16	1	LOW	3.53	0.0021
15	20025	1717.5	Q16	1	MID	3.86	0.0022
15	20025	1717.5	Q16	1	HIGH	-5.58	-0.0032

Bandwidth	UL Channel	Frequency	Modulation	RB	RB	Frequency Error	Frequency Error
				Size	Offset	(Hz)	(ppm)
15	20025	1717.5	Q16	36	LOW	5.38	0.0031
15	20025	1717.5	Q16	36	MID	-4.25	-0.0025
15	20025	1717.5	Q16	36	HIGH	-4.36	-0.0025
15	20025	1717.5	Q16	75	LOW	-3.36	-0.002
15	20325	1747.5	QPSK	1	LOW	-7.2	-0.0041
15	20325	1747.5	QPSK	1	MID	-3.92	-0.0022
15	20325	1747.5	QPSK	1	HIGH	-5.39	-0.0031
15	20325	1747.5	QPSK	36	LOW	-3.85	-0.0022
15	20325	1747.5	QPSK	36	MID	-2.42	-0.0014
15	20325	1747.5	QPSK	36	HIGH	-5.28	-0.003
15	20325	1747.5	QPSK	75	LOW	-4.94	-0.0028
15	20325	1747.5	Q16	1	LOW	-6.27	-0.0036
15	20325	1747.5	Q16	1	MID	-7.11	-0.0041
15	20325	1747.5	Q16	1	HIGH	-4.23	-0.0024
15	20325	1747.5	Q16	36	LOW	-4.51	-0.0026
15	20325	1747.5	Q16	36	MID	-4.52	-0.0026
15	20325	1747.5	Q16	36	HIGH	-5.31	-0.003
15	20325	1747.5	Q16	75	LOW	-2.92	-0.0017
15	20175	1732.5	QPSK	1	LOW	4.39	0.0025
15	20175	1732.5	QPSK	1	MID	6.34	0.0037
15	20175	1732.5	QPSK	1	HIGH	5.94	0.0034
15	20175	1732.5	QPSK	36	LOW	7.11	0.0041
15	20175	1732.5	QPSK	36	MID	6.15	0.0035
15	20175	1732.5	QPSK	36	HIGH	5.22	0.003
15	20175	1732.5	QPSK	75	LOW	4.91	0.0028
15	20175	1732.5	Q16	1	LOW	5.48	0.0032
15	20175	1732.5	Q16	1	MID	4.82	0.0028
15	20175	1732.5	Q16	1	HIGH	-4.38	-0.0025
15	20175	1732.5	Q16	36	LOW	4.02	0.0023
15	20175	1732.5	Q16	36	MID	5.25	0.003
15	20175	1732.5	Q16	36	HIGH	3.81	0.0022
15	20175	1732.5	Q16	75	LOW	4.02	0.0023
20	20050	1720	QPSK	1	LOW	-8.55	-0.005
20	20050	1720	QPSK	1	MID	7.01	0.0041
20	20050	1720	QPSK	1	HIGH	4.52	0.0026
20	20050	1720	QPSK	50	LOW	4.99	0.0029

Bandwidth	UL Channel	Frequency	Modulation	RB	RB	Frequency Error	Frequency Error
				Size	Offset	(Hz)	(ppm)
20	20050	1720	QPSK	50	MID	-3.81	-0.0022
20	20050	1720	QPSK	50	HIGH	-4.02	-0.0023
20	20050	1720	QPSK	100	LOW	3.71	0.0022
20	20050	1720	Q16	1	LOW	-5.11	-0.003
20	20050	1720	Q16	1	MID	-6.55	-0.0038
20	20050	1720	Q16	1	HIGH	-9.08	-0.0053
20	20050	1720	Q16	50	LOW	3.25	0.0019
20	20050	1720	Q16	50	MID	-2.36	-0.0014
20	20050	1720	Q16	50	HIGH	-5.31	-0.0031
20	20050	1720	Q16	100	LOW	2.37	0.0014
20	20300	1745	QPSK	1	LOW	-5.05	-0.0029
20	20300	1745	QPSK	1	MID	-4.33	-0.0025
20	20300	1745	QPSK	1	HIGH	-3.36	-0.0019
20	20300	1745	QPSK	50	LOW	4.49	0.0026
20	20300	1745	QPSK	50	MID	3.81	0.0022
20	20300	1745	QPSK	50	HIGH	-3.66	-0.0021
20	20300	1745	QPSK	100	LOW	-4.38	-0.0025
20	20300	1745	Q16	1	LOW	-6.71	-0.0038
20	20300	1745	Q16	1	MID	5.69	0.0033
20	20300	1745	Q16	1	HIGH	-5.02	-0.0029
20	20300	1745	Q16	50	LOW	-3.83	-0.0022
20	20300	1745	Q16	50	MID	-3.45	-0.002
20	20300	1745	Q16	50	HIGH	-4.94	-0.0028
20	20300	1745	Q16	100	LOW	-4.65	-0.0027
20	20175	1732.5	QPSK	1	LOW	8.65	0.005
20	20175	1732.5	QPSK	1	MID	-7.52	-0.0043
20	20175	1732.5	QPSK	1	HIGH	3.6	0.0021
20	20175	1732.5	QPSK	50	LOW	3.5	0.002
20	20175	1732.5	QPSK	50	MID	3.96	0.0023
20	20175	1732.5	QPSK	50	HIGH	-5.79	-0.0033
20	20175	1732.5	QPSK	100	LOW	-2.8	-0.0016
20	20175	1732.5	Q16	1	LOW	6.68	0.0039
20	20175	1732.5	Q16	1	MID	3.88	0.0022
20	20175	1732.5	Q16	1	HIGH	-4.02	-0.0023
20	20175	1732.5	Q16	50	LOW	-2.62	-0.0015
20	20175	1732.5	Q16	50	MID	2.88	0.0017

Bandwidth	UL Channel	Frequency	Modulation	RB	RB	Frequency Error	Frequency Error
				Size	Offset	(Hz)	(ppm)
20	20175	1732.5	Q16	50	HIGH	3.06	0.0018
20	20175	1732.5	Q16	100	LOW	-4.94	-0.0029

BAND 7:

Bandwidth	UL Channel	Frequency	Modulation	RB	RB	Frequency error	Frequency Error
				Size	Offset	(Hz)	(ppm)
5	20775	2502.5	QPSK	1	LOW	-11.19	-0.0045
5	20775	2502.5	QPSK	1	MID	6.54	0.0026
5	20775	2502.5	QPSK	1	HIGH	6.47	0.0026
5	20775	2502.5	QPSK	12	LOW	4.32	0.0017
5	20775	2502.5	QPSK	12	MID	-2.53	-0.001
5	20775	2502.5	QPSK	12	HIGH	3.56	0.0014
5	20775	2502.5	QPSK	25	LOW	5.12	0.002
5	20775	2502.5	Q16	1	LOW	5.79	0.0023
5	20775	2502.5	Q16	1	MID	-4.78	-0.0019
5	20775	2502.5	Q16	1	HIGH	-6.61	-0.0026
5	20775	2502.5	Q16	12	LOW	4.23	0.0017
5	20775	2502.5	Q16	12	MID	-4.79	-0.0019
5	20775	2502.5	Q16	12	HIGH	-3.93	-0.0016
5	20775	2502.5	Q16	25	LOW	3.52	0.0014
5	21425	2567.5	QPSK	1	LOW	6.94	0.0027
5	21425	2567.5	QPSK	1	MID	4.85	0.0019
5	21425	2567.5	QPSK	1	HIGH	8.63	0.0034
5	21425	2567.5	QPSK	12	LOW	5.32	0.0021
5	21425	2567.5	QPSK	12	MID	8.73	0.0034
5	21425	2567.5	QPSK	12	HIGH	6.82	0.0027
5	21425	2567.5	QPSK	25	LOW	6.69	0.0026
5	21425	2567.5	Q16	1	LOW	7.58	0.003
5	21425	2567.5	Q16	1	MID	4.79	0.0019
5	21425	2567.5	Q16	1	HIGH	3.59	0.0014
5	21425	2567.5	Q16	12	LOW	8.21	0.0032
5	21425	2567.5	Q16	12	MID	6.42	0.0025
5	21425	2567.5	Q16	12	HIGH	8.31	0.0032
5	21425	2567.5	Q16	25	LOW	6.17	0.0024
5	21100	2535	QPSK	1	LOW	4.41	0.0017
5	21100	2535	QPSK	1	MID	7.24	0.0029
5	21100	2535	QPSK	1	HIGH	5.72	0.0023
5	21100	2535	QPSK	12	LOW	5.91	0.0023
5	21100	2535	QPSK	12	MID	-3.29	-0.0013
5	21100	2535	QPSK	12	HIGH	3.81	0.0015
5	21100	2535	QPSK	25	LOW	6.11	0.0024

Bandwidth	UL Channel	Frequency	Modulation	RB	RB	Frequency error	Frequency Error
				Size	Offset	(Hz)	(ppm)
5	21100	2535	QPSK	1	LOW	4.22	0.0017
5	21100	2535	QPSK	1	MID	5.85	0.0023
5	21100	2535	QPSK	1	HIGH	4.28	0.0017
5	21100	2535	QPSK	12	LOW	7.8	0.0031
5	21100	2535	QPSK	12	MID	6.41	0.0025
5	21100	2535	QPSK	12	HIGH	4.32	0.0017
5	21100	2535	QPSK	25	LOW	7.02	0.0028
10	20800	2505	QPSK	1	LOW	-9.74	-0.0039
10	20800	2505	QPSK	1	MID	4.13	0.0016
10	20800	2505	QPSK	1	HIGH	4.79	0.0019
10	20800	2505	QPSK	25	LOW	4.85	0.0019
10	20800	2505	QPSK	25	MID	-5.05	-0.002
10	20800	2505	QPSK	25	HIGH	-4.33	-0.0017
10	20800	2505	QPSK	50	LOW	7.27	0.0029
10	20800	2505	Q16	1	LOW	6.22	0.0025
10	20800	2505	Q16	1	MID	-4.08	-0.0016
10	20800	2505	Q16	1	HIGH	-4.89	-0.002
10	20800	2505	Q16	25	LOW	6.37	0.0025
10	20800	2505	Q16	25	MID	3.45	0.0014
10	20800	2505	Q16	25	HIGH	4.21	0.0017
10	20800	2505	Q16	50	LOW	-4.51	-0.0018
10	21400	2565	QPSK	1	LOW	-5.52	-0.0022
10	21400	2565	QPSK	1	MID	6.09	0.0024
10	21400	2565	QPSK	1	HIGH	-5.06	-0.002
10	21400	2565	QPSK	25	LOW	8	0.0031
10	21400	2565	QPSK	25	MID	3.98	0.0016
10	21400	2565	QPSK	25	HIGH	-5.01	-0.002
10	21400	2565	QPSK	50	LOW	3.3	0.0013
10	21400	2565	QPSK	1	LOW	5.09	0.002
10	21400	2565	QPSK	1	MID	-5.75	-0.0022
10	21400	2565	QPSK	1	HIGH	-3.89	-0.0015
10	21400	2565	Q16	25	LOW	6.69	0.0026
10	21400	2565	Q16	25	MID	6.05	0.0024
10	21400	2565	Q16	25	HIGH	-4.52	-0.0018
10	21400	2565	Q16	50	LOW	-4.53	-0.0018
10	21100	2535	QPSK	1	LOW	5.69	0.0022

Bandwidth	UL Channel	Frequency	Modulation	RB	RB	Frequency error	Frequency Error
				Size	Offset	(Hz)	(ppm)
10	21100	2535	QPSK	1	MID	5.04	0.002
10	21100	2535	QPSK	1	HIGH	6.25	0.0025
10	21100	2535	QPSK	25	LOW	8.58	0.0034
10	21100	2535	QPSK	25	MID	6.55	0.0026
10	21100	2535	QPSK	25	HIGH	6.22	0.0025
10	21100	2535	QPSK	50	LOW	6.9	0.0027
10	21100	2535	QPSK	1	LOW	6.38	0.0025
10	21100	2535	QPSK	1	MID	6.71	0.0026
10	21100	2535	QPSK	1	HIGH	5.75	0.0023
10	21100	2535	Q16	25	LOW	7.8	0.0031
10	21100	2535	Q16	25	MID	8.34	0.0033
10	21100	2535	Q16	25	HIGH	5.97	0.0024
10	21100	2535	Q16	50	LOW	8.9	0.0035
15	20825	2507.5	QPSK	1	LOW	-10.2	-0.0041
15	20825	2507.5	QPSK	1	MID	3.79	0.0015
15	20825	2507.5	QPSK	1	HIGH	3.05	0.0012
15	20825	2507.5	QPSK	36	LOW	3.81	0.0015
15	20825	2507.5	QPSK	36	MID	-4.23	-0.0017
15	20825	2507.5	QPSK	36	HIGH	4.51	0.0018
15	20825	2507.5	QPSK	75	LOW	-6.61	-0.0026
15	20825	2507.5	Q16	1	LOW	-4.13	-0.0016
15	20825	2507.5	Q16	1	MID	5.74	0.0023
15	20825	2507.5	Q16	1	HIGH	-5.48	-0.0022
15	20825	2507.5	Q16	36	LOW	5.36	0.0021
15	20825	2507.5	Q16	36	MID	-3.75	-0.0015
15	20825	2507.5	Q16	36	HIGH	-6.28	-0.0025
15	20825	2507.5	Q16	75	LOW	-5.62	-0.0022
15	21375	2562.5	QPSK	1	LOW	-7.21	-0.0028
15	21375	2562.5	QPSK	1	MID	5.35	0.0021
15	21375	2562.5	QPSK	1	HIGH	3.81	0.0015
15	21375	2562.5	QPSK	36	LOW	6.11	0.0024
15	21375	2562.5	QPSK	36	MID	8.34	0.0033
15	21375	2562.5	QPSK	36	HIGH	7	0.0027
15	21375	2562.5	QPSK	75	LOW	6.61	0.0026
15	21375	2562.5	Q16	1	LOW	-4.26	-0.0017
15	21375	2562.5	Q16	1	MID	-7.04	-0.0027

Bandwidth	UL Channel	Frequency	Modulation	RB	RB	Frequency error	Frequency Error
				Size	Offset	(Hz)	(ppm)
15	21375	2562.5	Q16	1	HIGH	5.21	0.002
15	21375	2562.5	Q16	36	LOW	5.98	0.0023
15	21375	2562.5	Q16	36	MID	-3.68	-0.0014
15	21375	2562.5	Q16	36	HIGH	5.59	0.0022
15	21375	2562.5	Q16	75	LOW	4.63	0.0018
15	21100	2535	QPSK	1	LOW	7.82	0.0031
15	21100	2535	QPSK	1	MID	6.48	0.0026
15	21100	2535	QPSK	1	HIGH	5.18	0.002
15	21100	2535	QPSK	36	LOW	9.03	0.0036
15	21100	2535	QPSK	36	MID	12.06	0.0048
15	21100	2535	QPSK	36	HIGH	6.22	0.0025
15	21100	2535	QPSK	75	LOW	6.32	0.0025
15	21100	2535	Q16	1	LOW	8.38	0.0033
15	21100	2535	Q16	1	MID	8.14	0.0032
15	21100	2535	Q16	1	HIGH	11.22	0.0044
15	21100	2535	Q16	36	LOW	5.76	0.0023
15	21100	2535	Q16	36	MID	9.73	0.0038
15	21100	2535	Q16	36	HIGH	7.84	0.0031
15	21100	2535	Q16	75	LOW	6.92	0.0027
20	20850	2510	QPSK	1	LOW	-6.51	-0.0026
20	20850	2510	QPSK	1	MID	9.7	0.0039
20	20850	2510	QPSK	1	HIGH	7.44	0.003
20	20850	2510	QPSK	50	LOW	4.02	0.0016
20	20850	2510	QPSK	50	MID	6.49	0.0026
20	20850	2510	QPSK	50	HIGH	5.55	0.0022
20	20850	2510	QPSK	100	LOW	6.09	0.0024
20	20850	2510	Q16	1	LOW	4.91	0.002
20	20850	2510	Q16	1	MID	5.42	0.0022
20	20850	2510	Q16	1	HIGH	7.24	0.0029
20	20850	2510	Q16	50	LOW	5.87	0.0023
20	20850	2510	Q16	50	MID	4.68	0.0019
20	20850	2510	Q16	50	HIGH	6.65	0.0026
20	20850	2510	Q16	100	LOW	8.81	0.0035
20	21350	2560	QPSK	1	LOW	-13.15	-0.0051
20	21350	2560	QPSK	1	MID	-5.85	-0.0023
20	21350	2560	QPSK	1	HIGH	-4.71	-0.0018

Bandwidth	UL Channel	Frequency	Modulation	RB	RB	Frequency error	Frequency Error
				Size	Offset	(Hz)	(ppm)
20	21350	2560	QPSK	50	LOW	5.48	0.0021
20	21350	2560	QPSK	50	MID	-4.95	-0.0019
20	21350	2560	QPSK	50	HIGH	-9.06	-0.0035
20	21350	2560	QPSK	100	LOW	-6.42	-0.0025
20	21350	2560	Q16	1	LOW	-10.79	-0.0042
20	21350	2560	Q16	1	MID	-8.73	-0.0034
20	21350	2560	Q16	1	HIGH	-8.98	-0.0035
20	21350	2560	Q16	50	LOW	-4.41	-0.0017
20	21350	2560	Q16	50	MID	-5.15	-0.002
20	21350	2560	Q16	50	HIGH	-5.38	-0.0021
20	21350	2560	Q16	100	LOW	-5.69	-0.0022
20	21100	2535	QPSK	1	LOW	-4.26	-0.0017
20	21100	2535	QPSK	1	MID	6.77	0.0027
20	21100	2535	QPSK	1	HIGH	7.21	0.0028
20	21100	2535	QPSK	50	LOW	8.17	0.0032
20	21100	2535	QPSK	50	MID	7.8	0.0031
20	21100	2535	QPSK	50	HIGH	6.72	0.0027
20	21100	2535	QPSK	100	LOW	6.69	0.0026
20	21100	2535	Q16	1	LOW	7.27	0.0029
20	21100	2535	Q16	1	MID	4.62	0.0018
20	21100	2535	Q16	1	HIGH	5.14	0.002
20	21100	2535	Q16	50	LOW	4.65	0.0018
20	21100	2535	Q16	50	MID	6.54	0.0026
20	21100	2535	Q16	50	HIGH	-6.04	-0.0024
20	21100	2535	Q16	100	LOW	5.15	0.002

BAND 20:

Bandwidth	UL Channel	Frequency	Modulation	RB	RB	Frequency error	Frequency Error
				Size	Offset	(Hz)	(ppm)
5	24175	834.5	QPSK	1	LOW	-4.59	-0.0055
5	24175	834.5	QPSK	1	MID	-1.82	-0.0022
5	24175	834.5	QPSK	1	HIGH	6.31	0.0076
5	24175	834.5	QPSK	12	LOW	4.81	0.0058
5	24175	834.5	QPSK	12	MID	5.14	0.0062
5	24175	834.5	QPSK	12	HIGH	-2.73	-0.0033
5	24175	834.5	QPSK	25	LOW	5.49	0.0066
5	24175	834.5	Q16	1	LOW	6.44	0.0077
5	24175	834.5	Q16	1	MID	7.9	0.0095
5	24175	834.5	Q16	1	HIGH	-7.58	-0.0091
5	24175	834.5	Q16	12	LOW	3.62	0.0043
5	24175	834.5	Q16	12	MID	6.87	0.0082
5	24175	834.5	Q16	12	HIGH	-6.49	-0.0078
5	24175	834.5	Q16	25	LOW	4.76	0.0057
5	24295	846.5	QPSK	1	LOW	-2.46	-0.0029
5	24295	846.5	QPSK	1	MID	-2.57	-0.003
5	24295	846.5	QPSK	1	HIGH	-2.09	-0.0025
5	24295	846.5	QPSK	12	LOW	3.56	0.0042
5	24295	846.5	QPSK	12	MID	2.98	0.0035
5	24295	846.5	QPSK	12	HIGH	3.09	0.0037
5	24295	846.5	QPSK	25	LOW	5.06	0.006
5	24295	846.5	Q16	1	LOW	-2.72	-0.0032
5	24295	846.5	Q16	1	MID	3	0.0035
5	24295	846.5	Q16	1	HIGH	-5.25	-0.0062
5	24295	846.5	Q16	12	LOW	-4.11	-0.0049
5	24295	846.5	Q16	12	MID	2.36	0.0028
5	24295	846.5	Q16	12	HIGH	1.67	0.002
5	24295	846.5	Q16	25	LOW	3.19	0.0038
5	24230	840	QPSK	1	LOW	3.43	0.0041
5	24230	840	QPSK	1	MID	-4.16	-0.005
5	24230	840	QPSK	1	HIGH	-3.56	-0.0042
5	24230	840	QPSK	12	LOW	-2.09	-0.0025
5	24230	840	QPSK	12	MID	-2.13	-0.0025
5	24230	840	QPSK	12	HIGH	-2.6	-0.0031
5	24230	840	QPSK	25	LOW	-1.62	-0.0019

Bandwidth	UL Channel	Frequency	Modulation	RB	RB	Frequency error	Frequency Error
				Size	Offset	(Hz)	(ppm)
5	24230	840	QPSK	1	LOW	2.09	0.0025
5	24230	840	QPSK	1	MID	4.69	0.0056
5	24230	840	QPSK	1	HIGH	-3.45	-0.0041
5	24230	840	QPSK	12	LOW	2.55	0.003
5	24230	840	QPSK	12	MID	4.52	0.0054
5	24230	840	QPSK	12	HIGH	-2.43	-0.0029
5	24230	840	QPSK	25	LOW	-2.17	-0.0026
10	24200	837	QPSK	1	LOW	-5.58	-0.0067
10	24200	837	QPSK	1	MID	-3.95	-0.0047
10	24200	837	QPSK	1	HIGH	1.52	0.0018
10	24200	837	QPSK	25	LOW	2.66	0.0032
10	24200	837	QPSK	25	MID	3.29	0.0039
10	24200	837	QPSK	25	HIGH	-2.85	-0.0034
10	24200	837	QPSK	50	LOW	-3.46	-0.0041
10	24200	837	Q16	1	LOW	4.11	0.0049
10	24200	837	Q16	1	MID	-3.52	-0.0042
10	24200	837	Q16	1	HIGH	-4.58	-0.0055
10	24200	837	Q16	25	LOW	4.22	0.005
10	24200	837	Q16	25	MID	3.65	0.0044
10	24200	837	Q16	25	HIGH	3.05	0.0036
10	24200	837	Q16	50	LOW	-3.36	-0.004
10	24270	844	QPSK	1	LOW	1.83	0.0022
10	24270	844	QPSK	1	MID	5.18	0.0061
10	24270	844	QPSK	1	HIGH	2.79	0.0033
10	24270	844	QPSK	25	LOW	-1.8	-0.0021
10	24270	844	QPSK	25	MID	-2.75	-0.0033
10	24270	844	QPSK	25	HIGH	-3.06	-0.0036
10	24270	844	QPSK	50	LOW	-1.6	-0.0019
10	24270	844	QPSK	1	LOW	3.55	0.0042
10	24270	844	QPSK	1	MID	-1.62	-0.0019
10	24270	844	QPSK	1	HIGH	-3.45	-0.0041
10	24270	844	Q16	25	LOW	4.05	0.0048
10	24270	844	Q16	25	MID	1.39	0.0016
10	24270	844	Q16	25	HIGH	3.19	0.0038
10	24270	844	Q16	50	LOW	2.59	0.0031
10	24230	840	QPSK	1	LOW	2.8	0.0033

Bandwidth	UL Channel	Frequency	Modulation	RB	RB	Frequency error (Hz)	Frequency Error (ppm)
				Size	Offset		
10	24230	840	QPSK	1	MID	4.56	0.0054
10	24230	840	QPSK	1	HIGH	3.08	0.0037
10	24230	840	QPSK	25	LOW	-2.65	-0.0032
10	24230	840	QPSK	25	MID	1.69	0.002
10	24230	840	QPSK	25	HIGH	-2.29	-0.0027
10	24230	840	QPSK	50	LOW	-3.09	-0.0037
10	24230	840	QPSK	1	LOW	3.72	0.0044
10	24230	840	QPSK	1	MID	2.99	0.0036
10	24230	840	QPSK	1	HIGH	-2.68	-0.0032
10	24230	840	Q16	25	LOW	2.43	0.0029
10	24230	840	Q16	25	MID	-2.6	-0.0031
10	24230	840	Q16	25	HIGH	2.79	0.0033
10	24230	840	Q16	50	LOW	-3.15	-0.0038
15	24225	839.5	QPSK	1	LOW	-6.35	-0.0076
15	24225	839.5	QPSK	1	MID	2.43	0.0029
15	24225	839.5	QPSK	1	HIGH	-2.99	-0.0036
15	24225	839.5	QPSK	36	LOW	-3.15	-0.0038
15	24225	839.5	QPSK	36	MID	-2.88	-0.0034
15	24225	839.5	QPSK	36	HIGH	-4.22	-0.005
15	24225	839.5	QPSK	75	LOW	2.72	0.0032
15	24225	839.5	Q16	1	LOW	-1.89	-0.0023
15	24225	839.5	Q16	1	MID	-5.26	-0.0063
15	24225	839.5	Q16	1	HIGH	5.76	0.0069
15	24225	839.5	Q16	36	LOW	4.11	0.0049
15	24225	839.5	Q16	36	MID	2.42	0.0029
15	24225	839.5	Q16	36	HIGH	3.45	0.0041
15	24225	839.5	Q16	75	LOW	3.13	0.0037
15	24245	841.5	QPSK	1	LOW	2.26	0.0027
15	24245	841.5	QPSK	1	MID	2.53	0.003
15	24245	841.5	QPSK	1	HIGH	4.39	0.0052
15	24245	841.5	QPSK	36	LOW	3.6	0.0043
15	24245	841.5	QPSK	36	MID	3.95	0.0047
15	24245	841.5	QPSK	36	HIGH	-3.33	-0.004
15	24245	841.5	QPSK	75	LOW	-4.71	-0.0056
15	24245	841.5	Q16	1	LOW	-2.06	-0.0024
15	24245	841.5	Q16	1	MID	-3.06	-0.0036

Bandwidth	UL Channel	Frequency	Modulation	RB	RB	Frequency error	Frequency Error
				Size	Offset	(Hz)	(ppm)
15	24245	841.5	Q16	1	HIGH	2.66	0.0032
15	24245	841.5	Q16	36	LOW	1.77	0.0021
15	24245	841.5	Q16	36	MID	-3.4	-0.004
15	24245	841.5	Q16	36	HIGH	-3.59	-0.0043
15	24245	841.5	Q16	75	LOW	3.65	0.0043
15	24230	840	QPSK	1	LOW	3.76	0.0045
15	24230	840	QPSK	1	MID	5.22	0.0062
15	24230	840	QPSK	1	HIGH	-2.66	-0.0032
15	24230	840	QPSK	36	LOW	-4.03	-0.0048
15	24230	840	QPSK	36	MID	3.32	0.004
15	24230	840	QPSK	36	HIGH	2.6	0.0031
15	24230	840	QPSK	75	LOW	2.02	0.0024
15	24230	840	Q16	1	LOW	4.71	0.0056
15	24230	840	Q16	1	MID	3.55	0.0042
15	24230	840	Q16	1	HIGH	-4.08	-0.0049
15	24230	840	Q16	36	LOW	4.03	0.0048
15	24230	840	Q16	36	MID	-1.99	-0.0024
15	24230	840	Q16	36	HIGH	-2.37	-0.0028
15	24230	840	Q16	75	LOW	4.05	0.0048

BAND 28:

Bandwidth	UL Channel	Frequency	Modulation	RB	RB	Frequency Error (Hz)	Frequency Error
				Size	Offset		(ppm)
3	27450	727	QPSK	1	LOW	-2.37	-0.0033
3	27450	727	QPSK	1	MID	-2.72	-0.0037
3	27450	727	QPSK	1	HIGH	5.49	0.0076
3	27450	727	QPSK	8	LOW	2.32	0.0032
3	27450	727	QPSK	8	MID	-3.4	-0.0047
3	27450	727	QPSK	8	HIGH	-3.13	-0.0043
3	27450	727	QPSK	15	LOW	-1.73	-0.0024
3	27450	727	Q16	1	LOW	1.53	0.0021
3	27450	727	Q16	1	MID	-2.09	-0.0029
3	27450	727	Q16	1	HIGH	-2.95	-0.0041
3	27450	727	Q16	8	LOW	2.96	0.0041
3	27450	727	Q16	8	MID	2.27	0.0031
3	27450	727	Q16	8	HIGH	1.47	0.002
3	27450	727	Q16	15	LOW	2.36	0.0032
3	27645	746.5	QPSK	1	LOW	2.66	0.0036
3	27645	746.5	QPSK	1	MID	2.93	0.0039
3	27645	746.5	QPSK	1	HIGH	2.98	0.004
3	27645	746.5	QPSK	8	LOW	2.69	0.0036
3	27645	746.5	QPSK	8	MID	4.19	0.0056
3	27645	746.5	QPSK	8	HIGH	4.92	0.0066
3	27645	746.5	QPSK	15	LOW	2.3	0.0031
3	27645	746.5	Q16	1	LOW	-1.9	-0.0025
3	27645	746.5	Q16	1	MID	-1.49	-0.002
3	27645	746.5	Q16	1	HIGH	-2.13	-0.0029
3	27645	746.5	Q16	8	LOW	-1.92	-0.0026
3	27645	746.5	Q16	8	MID	2	0.0027
3	27645	746.5	Q16	8	HIGH	-2.43	-0.0033
3	27645	746.5	Q16	15	LOW	4.96	0.0066
3	27540	736	QPSK	1	LOW	-1.82	-0.0025
3	27540	736	QPSK	1	MID	-4.22	-0.0057
3	27540	736	QPSK	1	HIGH	-3.78	-0.0051
3	27540	736	QPSK	8	LOW	-5.06	-0.0069
3	27540	736	QPSK	8	MID	3.02	0.0041
3	27540	736	QPSK	8	HIGH	2.37	0.0032
3	27540	736	QPSK	15	LOW	-1.54	-0.0021

Bandwidth	UL Channel	Frequency	Modulation	RB	RB	Frequency Error (Hz)	Frequency Error
				Size	Offset		(ppm)
3	27540	736	Q16	1	LOW	2.57	0.0035
3	27540	736	Q16	1	MID	2.95	0.004
3	27540	736	Q16	1	HIGH	-2.56	-0.0035
3	27540	736	Q16	8	LOW	-2.39	-0.0032
3	27540	736	Q16	8	MID	4.62	0.0063
3	27540	736	Q16	8	HIGH	4.82	0.0065
3	27540	736	Q16	15	LOW	-3.2	-0.0043
5	27460	728	QPSK	1	LOW	-4.62	-0.0063
5	27460	728	QPSK	1	MID	3.56	0.0049
5	27460	728	QPSK	1	HIGH	-2.98	-0.0041
5	27460	728	QPSK	12	LOW	-0.92	-0.0013
5	27460	728	QPSK	12	MID	1.33	0.0018
5	27460	728	QPSK	12	HIGH	-2.62	-0.0036
5	27460	728	QPSK	25	LOW	2.57	0.0035
5	27460	728	Q16	1	LOW	2.68	0.0037
5	27460	728	Q16	1	MID	-3.29	-0.0045
5	27460	728	Q16	1	HIGH	3.85	0.0053
5	27460	728	Q16	12	LOW	4.75	0.0065
5	27460	728	Q16	12	MID	3.15	0.0043
5	27460	728	Q16	12	HIGH	1.87	0.0026
5	27460	728	Q16	25	LOW	1.72	0.0024
5	27635	745.5	QPSK	1	LOW	3.62	0.0049
5	27635	745.5	QPSK	1	MID	2.16	0.0029
5	27635	745.5	QPSK	1	HIGH	2.2	0.003
5	27635	745.5	QPSK	12	LOW	2.32	0.0031
5	27635	745.5	QPSK	12	MID	2.69	0.0036
5	27635	745.5	QPSK	12	HIGH	4.12	0.0055
5	27635	745.5	QPSK	25	LOW	4.02	0.0054
5	27635	745.5	Q16	1	LOW	-3.35	-0.0045
5	27635	745.5	Q16	1	MID	-4.19	-0.0056
5	27635	745.5	Q16	1	HIGH	2	0.0027
5	27635	745.5	Q16	12	LOW	2.23	0.003
5	27635	745.5	Q16	12	MID	2.96	0.004
5	27635	745.5	Q16	12	HIGH	-4.15	-0.0056
5	27635	745.5	Q16	25	LOW	2.83	0.0038
5	27540	736	QPSK	1	LOW	3.35	0.0046

Bandwidth	UL Channel	Frequency	Modulation	RB	RB	Frequency Error (Hz)	Frequency Error
				Size	Offset		(ppm)
5	27540	736	QPSK	1	MID	-2.89	-0.0039
5	27540	736	QPSK	1	HIGH	-3.88	-0.0053
5	27540	736	QPSK	12	LOW	3.59	0.0049
5	27540	736	QPSK	12	MID	-3.32	-0.0045
5	27540	736	QPSK	12	HIGH	3.46	0.0047
5	27540	736	QPSK	25	LOW	-3.53	-0.0048
5	27540	736	Q16	1	LOW	-1.24	-0.0017
5	27540	736	Q16	1	MID	2.22	0.003
5	27540	736	Q16	1	HIGH	2.6	0.0035
5	27540	736	Q16	12	LOW	2.43	0.0033
5	27540	736	Q16	12	MID	3.1	0.0042
5	27540	736	Q16	12	HIGH	4.08	0.0055
5	27540	736	Q16	25	LOW	2.62	0.0036
10	27485	730.5	QPSK	1	LOW	3.35	0.0046
10	27485	730.5	QPSK	1	MID	3.78	0.0052
10	27485	730.5	QPSK	1	HIGH	-3.18	-0.0044
10	27485	730.5	QPSK	25	LOW	5.28	0.0072
10	27485	730.5	QPSK	25	MID	-3.65	-0.005
10	27485	730.5	QPSK	25	HIGH	3.2	0.0044
10	27485	730.5	QPSK	50	LOW	3.89	0.0053
10	27485	730.5	Q16	1	LOW	4.22	0.0058
10	27485	730.5	Q16	1	MID	4.29	0.0059
10	27485	730.5	Q16	1	HIGH	5.01	0.0069
10	27485	730.5	Q16	25	LOW	5.15	0.007
10	27485	730.5	Q16	25	MID	2.33	0.0032
10	27485	730.5	Q16	25	HIGH	4.55	0.0062
10	27485	730.5	Q16	50	LOW	2.57	0.0035
10	27610	743	QPSK	1	LOW	2.47	0.0033
10	27610	743	QPSK	1	MID	1.44	0.0019
10	27610	743	QPSK	1	HIGH	2.43	0.0033
10	27610	743	QPSK	25	LOW	3.05	0.0041
10	27610	743	QPSK	25	MID	1.22	0.0016
10	27610	743	QPSK	25	HIGH	-2.13	-0.0029
10	27610	743	QPSK	50	LOW	1.6	0.0022
10	27610	743	Q16	1	LOW	3	0.004
10	27610	743	Q16	1	MID	1.97	0.0027

Bandwidth	UL Channel	Frequency	Modulation	RB	RB	Frequency Error (Hz)	Frequency Error
				Size	Offset		(ppm)
10	27610	743	Q16	1	HIGH	1.9	0.0026
10	27610	743	Q16	25	LOW	-3.03	-0.0041
10	27610	743	Q16	25	MID	3.23	0.0043
10	27610	743	Q16	25	HIGH	3.86	0.0052
10	27610	743	Q16	50	LOW	-3.23	-0.0043
10	27540	736	QPSK	1	LOW	-5.06	-0.0069
10	27540	736	QPSK	1	MID	-4.11	-0.0056
10	27540	736	QPSK	1	HIGH	-1.56	-0.0021
10	27540	736	QPSK	25	LOW	-4.46	-0.0061
10	27540	736	QPSK	25	MID	-3.63	-0.0049
10	27540	736	QPSK	25	HIGH	2.73	0.0037
10	27540	736	QPSK	50	LOW	3.18	0.0043
10	27540	736	Q16	1	LOW	-2.46	-0.0033
10	27540	736	Q16	1	MID	-2.49	-0.0034
10	27540	736	Q16	1	HIGH	2.79	0.0038
10	27540	736	Q16	25	LOW	1.87	0.0025
10	27540	736	Q16	25	MID	-4.25	-0.0058
10	27540	736	Q16	25	HIGH	-3.43	-0.0047
10	27540	736	Q16	50	LOW	-3.89	-0.0053
15	27510	733	QPSK	1	LOW	-5.32	-0.0073
15	27510	733	QPSK	1	MID	2.65	0.0036
15	27510	733	QPSK	1	HIGH	-2.95	-0.004
15	27510	733	QPSK	36	LOW	-3.09	-0.0042
15	27510	733	QPSK	36	MID	-2.12	-0.0029
15	27510	733	QPSK	36	HIGH	-2.49	-0.0034
15	27510	733	QPSK	75	LOW	-1.5	-0.002
15	27510	733	Q16	1	LOW	-2.78	-0.0038
15	27510	733	Q16	1	MID	-2.82	-0.0038
15	27510	733	Q16	1	HIGH	-2.92	-0.004
15	27510	733	Q16	36	LOW	-4.46	-0.0061
15	27510	733	Q16	36	MID	-2.36	-0.0032
15	27510	733	Q16	36	HIGH	1.75	0.0024
15	27510	733	Q16	75	LOW	-4.33	-0.0059
15	27585	740.5	QPSK	1	LOW	-3.13	-0.0042
15	27585	740.5	QPSK	1	MID	3.58	0.0048
15	27585	740.5	QPSK	1	HIGH	-4.89	-0.0066

Bandwidth	UL Channel	Frequency	Modulation	RB	RB	Frequency Error (Hz)	Frequency Error (ppm)
				Size	Offset		
15	27585	740.5	QPSK	36	LOW	1.67	0.0023
15	27585	740.5	QPSK	36	MID	-2.95	-0.004
15	27585	740.5	QPSK	36	HIGH	-3.19	-0.0043
15	27585	740.5	QPSK	75	LOW	-2.88	-0.0039
15	27585	740.5	Q16	1	LOW	5.82	0.0079
15	27585	740.5	Q16	1	MID	-3.92	-0.0053
15	27585	740.5	Q16	1	HIGH	5.12	0.0069
15	27585	740.5	Q16	36	LOW	-1.76	-0.0024
15	27585	740.5	Q16	36	MID	-2.75	-0.0037
15	27585	740.5	Q16	36	HIGH	-3.1	-0.0042
15	27585	740.5	Q16	75	LOW	-2.03	-0.0027
15	27540	736	QPSK	1	LOW	2.78	0.0038
15	27540	736	QPSK	1	MID	-4.63	-0.0063
15	27540	736	QPSK	1	HIGH	4.05	0.0055
15	27540	736	QPSK	36	LOW	3.55	0.0048
15	27540	736	QPSK	36	MID	2.89	0.0039
15	27540	736	QPSK	36	HIGH	-2.2	-0.003
15	27540	736	QPSK	75	LOW	3.99	0.0054
15	27540	736	Q16	1	LOW	3.13	0.0043
15	27540	736	Q16	1	MID	4.43	0.006
15	27540	736	Q16	1	HIGH	3.66	0.005
15	27540	736	Q16	36	LOW	-3.16	-0.0043
15	27540	736	Q16	36	MID	3.35	0.0046
15	27540	736	Q16	36	HIGH	2.83	0.0038
15	27540	736	Q16	75	LOW	-2.86	-0.0039
20	27535	735.5	QPSK	1	LOW	2.1	0.0029
20	27535	735.5	QPSK	1	MID	2.86	0.0039
20	27535	735.5	QPSK	1	HIGH	1.83	0.0025
20	27535	735.5	QPSK	50	LOW	2.3	0.0031
20	27535	735.5	QPSK	50	MID	-3.42	-0.0046
20	27535	735.5	QPSK	50	HIGH	-2.96	-0.004
20	27535	735.5	QPSK	100	LOW	-3.38	-0.0046
20	27535	735.5	Q16	1	LOW	3.56	0.0048
20	27535	735.5	Q16	1	MID	4.81	0.0065
20	27535	735.5	Q16	1	HIGH	3.62	0.0049
20	27535	735.5	Q16	50	LOW	3.43	0.0047

Bandwidth	UL Channel	Frequency	Modulation	RB	RB	Frequency Error (Hz)	Frequency Error
				Size	Offset		(ppm)
20	27535	735.5	Q16	50	MID	-4.19	-0.0057
20	27535	735.5	Q16	50	HIGH	-3.55	-0.0048
20	27535	735.5	Q16	100	LOW	2.95	0.004
20	27560	738	QPSK	1	LOW	-5.22	-0.0071
20	27560	738	QPSK	1	MID	5.44	0.0074
20	27560	738	QPSK	1	HIGH	-3	-0.0041
20	27560	738	QPSK	50	LOW	2.25	0.003
20	27560	738	QPSK	50	MID	-4.16	-0.0056
20	27560	738	QPSK	50	HIGH	3.28	0.0044
20	27560	738	QPSK	100	LOW	2.92	0.004
20	27560	738	Q16	1	LOW	3.09	0.0042
20	27560	738	Q16	1	MID	5.18	0.007
20	27560	738	Q16	1	HIGH	4.09	0.0055
20	27560	738	Q16	50	LOW	4.73	0.0064
20	27560	738	Q16	50	MID	3.08	0.0042
20	27560	738	Q16	50	HIGH	4.29	0.0058
20	27560	738	Q16	100	LOW	3.65	0.0049
20	27540	736	QPSK	1	LOW	4.86	0.0066
20	27540	736	QPSK	1	MID	3.62	0.0049
20	27540	736	QPSK	1	HIGH	5.36	0.0073
20	27540	736	QPSK	50	LOW	3.42	0.0046
20	27540	736	QPSK	50	MID	3.22	0.0044
20	27540	736	QPSK	50	HIGH	5.25	0.0071
20	27540	736	QPSK	100	LOW	4.58	0.0062
20	27540	736	Q16	1	LOW	4.72	0.0064
20	27540	736	Q16	1	MID	-4.69	-0.0064
20	27540	736	Q16	1	HIGH	4.16	0.0057
20	27540	736	Q16	50	LOW	3.53	0.0048
20	27540	736	Q16	50	MID	3.81	0.0052
20	27540	736	Q16	50	HIGH	4.58	0.0062
20	27540	736	Q16	100	LOW	5.14	0.007

9 OCCUPIED BANDWIDTH& Emission Bandwidth

9.1 Measurement Result

GSM850:

Frequency	OBW(99%)	26dB BW
848.8	246.79 KHz	282.05KHz
824.2	245.19KHz	277.24KHz
836.6	243.59KHz	286.86 KHz

PCS1900:

Frequency	OBW(99%)	26dB BW
1909.8	245.19KHz	275.64KHz
1850.2	245.19KHz	277.24KHz
1880	246.79KHz	290.06KHz

UTRA BANDS**BAND 2:**

Frequency	OBW(99%)	26dB BW
1907.6	4.231MHz	4.936MHz
1852.4	4.231MHz	4.904MHz
1880	4.247MHz	4.968MHz

BAND 4:

Frequency	OBW(99%)	26dB BW
848.8	4.231MHz	4.672MHz
824.2	4.215MHz	4.640MHz
836.6	4.231MHz	4.903MHz

BAND 5:

Frequency	OBW(99%)	26dB BW
1712.4	4.215MHz	4.760MHz
1732.6	4.215MHz	4.680MHz
1752.6	4.247MHz	4.728MHz

E-UTRA BANDS:**BAND 2:**

Bandwidth	Modulation	#RB	start RB	Frequency	OBW(99%)	26dB BW
B014	QPSK	6	LOW	1850.7	1.104MHz	1.296MHz
B014	Q16	6	LOW	1850.7	1.098MHz	1.278MHz
B014	QPSK	6	LOW	1880	1.11MHz	1.29MHz
B014	Q16	6	LOW	1880	1.104MHz	1.278MHz
B014	QPSK	6	LOW	1909.3	1.11MHz	1.314MHz
B014	Q16	6	LOW	1909.3	1.11MHz	1.302MHz
B030	QPSK	15	LOW	1851.5	2.7MHz	2.976MHz
B030	Q16	15	LOW	1851.5	2.7MHz	2.976MHz
B030	QPSK	15	LOW	1880	2.7MHz	2.976MHz
B030	Q16	15	LOW	1880	2.7MHz	3.MHz
B030	QPSK	15	LOW	1908.5	2.712MHz	2.964MHz
B030	Q16	15	LOW	1908.5	2.7MHz	3.012MHz
B050	QPSK	25	LOW	1852.5	4.56MHz	5.08MHz
B050	Q16	25	LOW	1852.5	4.52MHz	5.1MHz
B050	QPSK	25	LOW	1880	4.54MHz	5.12MHz
B050	Q16	25	LOW	1880	4.52MHz	5.08MHz
B050	QPSK	25	LOW	1907.5	4.54MHz	5.06MHz
B050	Q16	25	LOW	1907.5	4.56MHz	5.14MHz
B100	QPSK	50	LOW	1855	9.08MHz	10.04MHz
B100	Q16	50	LOW	1855	9.04MHz	10.MHz
B100	QPSK	50	LOW	1880	9.MHz	10.04MHz
B100	Q16	50	LOW	1880	9.MHz	10.MHz
B100	QPSK	50	LOW	1905	9.04MHz	10.12MHz
B100	Q16	50	LOW	1905	9.04MHz	10.04MHz
B150	QPSK	75	LOW	1857.5	13.62MHz	15.12MHz
B150	Q16	75	LOW	1857.5	13.62MHz	15.MHz
B150	QPSK	75	LOW	1880	13.56MHz	15.12MHz

Bandwidth	Modulation	#RB	start RB	Frequency	OBW(99%)	26dB BW
B150	Q16	75	LOW	1880	13.56MHz	14.94MHz
B150	QPSK	75	LOW	1902.5	13.56MHz	15.MHz
B150	Q16	75	LOW	1902.5	13.5MHz	14.94MHz
B200	QPSK	100	LOW	1860	18.16MHz	20.08MHz
B200	Q16	100	LOW	1860	18.16MHz	20.24MHz
B200	QPSK	100	LOW	1880	18.08MHz	20.24MHz
B200	Q16	100	LOW	1880	18.08MHz	20.08MHz
B200	QPSK	100	LOW	1900	18.08MHz	20.08MHz
B200	Q16	100	LOW	1900	18.08MHz	20.16MHz

BAND 4:

Bandwidth	Modulation	#RB	start RB	Frequency	OBW(99%)	26dB BW
B014	QPSK	6	LOW	1710.7	1.11MHz	1.302MHz
B014	Q16	6	LOW	1710.7	1.104MHz	1.284MHz
B014	QPSK	6	LOW	1754.3	1.11MHz	1.284MHz
B014	Q16	6	LOW	1754.3	1.104MHz	1.284MHz
B014	QPSK	6	LOW	1732.5	1.104MHz	1.284MHz
B014	Q16	6	LOW	1732.5	1.11MHz	1.296MHz
B030	QPSK	15	LOW	1711.5	2.7MHz	2.952MHz
B030	Q16	15	LOW	1711.5	2.7MHz	2.976MHz
B030	QPSK	15	LOW	1753.5	2.7MHz	2.976MHz
B030	Q16	15	LOW	1753.5	2.7MHz	2.964MHz
B030	QPSK	15	LOW	1732.5	2.7MHz	2.964MHz
B030	Q16	15	LOW	1732.5	2.7MHz	2.964MHz
B050	QPSK	25	LOW	1712.5	4.54MHz	5.14MHz
B050	Q16	25	LOW	1712.5	4.54MHz	5.12MHz
B050	QPSK	25	LOW	1752.5	4.54MHz	5.06MHz
B050	Q16	25	LOW	1752.5	4.54MHz	5.14MHz

Bandwidth	Modulation	#RB	start RB	Frequency	OBW(99%)	26dB BW
B050	QPSK	25	LOW	1732.5	4.54MHz	5.1MHz
B050	Q16	25	LOW	1732.5	4.54MHz	5.14MHz
B100	QPSK	50	LOW	1715	9.MHz	10.MHz
B100	Q16	50	LOW	1715	9.04MHz	10.04MHz
B100	QPSK	50	LOW	1750	9.04MHz	10.04MHz
B100	Q16	50	LOW	1750	9.04MHz	10.12MHz
B100	QPSK	50	LOW	1732.5	9.04MHz	10.12MHz
B100	Q16	50	LOW	1732.5	9.MHz	10.04MHz
B150	QPSK	75	LOW	1717.5	13.5MHz	15.06MHz
B150	Q16	75	LOW	1717.5	13.62MHz	15.12MHz
B150	QPSK	75	LOW	1747.5	13.5MHz	15.18MHz
B150	Q16	75	LOW	1747.5	13.56MHz	15.06MHz
B150	QPSK	75	LOW	1732.5	13.62MHz	15.12MHz
B150	Q16	75	LOW	1732.5	13.56MHz	15.12MHz
B200	QPSK	100	LOW	1720	18.08MHz	19.92MHz
B200	Q16	100	LOW	1720	18.08MHz	20.08MHz
B200	QPSK	100	LOW	1745	18.16MHz	20.32MHz
B200	Q16	100	LOW	1745	18.16MHz	20.24MHz
B200	QPSK	100	LOW	1732.5	18.08MHz	20.16MHz
B200	Q16	100	LOW	1732.5	18.16MHz	20.16MHz

BAND 7:

Bandwidth	Modulation	#RB	start RB	Frequency	OBW(99%)	26dB BW
B050	QPSK	25	LOW	2502.5	4.54MHz	5.12MHz
B050	Q16	25	LOW	2502.5	4.54MHz	5.06MHz
B050	QPSK	25	LOW	2567.5	4.52MHz	5.02MHz
B050	Q16	25	LOW	2567.5	4.54MHz	5.06MHz
B050	QPSK	25	LOW	2535	4.52MHz	5.1MHz
B050	QPSK	25	LOW	2535	4.54MHz	5.08MHz
B100	QPSK	50	LOW	2505	9.MHz	10.MHz
B100	Q16	50	LOW	2505	9.MHz	10.12MHz
B100	QPSK	50	LOW	2565	9.04MHz	10.MHz
B100	Q16	50	LOW	2565	9.04MHz	10.08MHz
B100	QPSK	50	LOW	2535	9.MHz	10.MHz
B100	Q16	50	LOW	2535	9.MHz	9.96MHz
B150	QPSK	75	LOW	2507.5	13.5MHz	14.94MHz
B150	Q16	75	LOW	2507.5	13.56MHz	15.MHz
B150	QPSK	75	LOW	2562.5	13.56MHz	15.MHz
B150	Q16	75	LOW	2562.5	13.56MHz	15.18MHz
B150	QPSK	75	LOW	2535	13.62MHz	15.12MHz
B150	Q16	75	LOW	2535	13.56MHz	15.MHz
B200	QPSK	100	LOW	2510	18.08MHz	20.08MHz
B200	Q16	100	LOW	2510	18.16MHz	20.MHz
B200	QPSK	100	LOW	2560	18.08MHz	20.08MHz
B200	Q16	100	LOW	2560	18.14MHz	20.00MHz
B200	QPSK	100	LOW	2535	18.14MHz	20.19MHz
B200	Q16	100	LOW	2535	18.08MHz	20.08MHz

BAND 20:

Bandwidth	Modulation	#RB	start RB	Frequency	OBW(99%)	26dB BW
B050	QPSK	25	LOW	834.5	4.54MHz	5.12MHz
B050	Q16	25	LOW	834.5	4.54MHz	5.08MHz
B050	QPSK	25	LOW	846.5	4.52MHz	5.08MHz
B050	Q16	25	LOW	846.5	4.54MHz	5.08MHz
B050	QPSK	25	LOW	840	4.54MHz	5.06MHz
B050	QPSK	25	LOW	840	4.54MHz	5.08MHz
B100	QPSK	50	LOW	837	9.MHz	9.96MHz
B100	Q16	50	LOW	837	9.MHz	10.MHz
B100	QPSK	50	LOW	844	9.04MHz	10.MHz
B100	Q16	50	LOW	844	9.04MHz	10.04MHz
B100	QPSK	50	LOW	840	9.MHz	10.12MHz
B100	Q16	50	LOW	840	9.MHz	10.MHz
B150	QPSK	75	LOW	839.5	13.44MHz	14.88MHz
B150	Q16	75	LOW	839.5	13.56MHz	15.MHz
B150	QPSK	75	LOW	841.5	13.56MHz	15.MHz
B150	Q16	75	LOW	841.5	13.56MHz	15.MHz
B150	QPSK	75	LOW	840	13.56MHz	15.06MHz
B150	Q16	75	LOW	840	13.5MHz	15.MHz

BAND 28:

Bandwidth	Modulation	#RB	start RB	Frequency	OBW(99%)	26dB BW
B030	QPSK	15	LOW	727	2.7MHz	2.964MHz
B030	Q16	15	LOW	727	2.7MHz	2.964MHz
B030	QPSK	15	LOW	746.5	2.712MHz	2.976MHz
B030	Q16	15	LOW	746.5	2.688MHz	2.964MHz
B030	QPSK	15	LOW	736	2.7MHz	2.94MHz
B030	Q16	15	LOW	736	2.7MHz	2.976MHz
B050	QPSK	25	LOW	728	4.54MHz	5.1MHz
B050	Q16	25	LOW	728	4.54MHz	5.08MHz
B050	QPSK	25	LOW	745.5	4.54MHz	5.02MHz
B050	Q16	25	LOW	745.5	4.52MHz	5.1MHz
B050	QPSK	25	LOW	736	4.52MHz	5.08MHz
B050	Q16	25	LOW	736	4.54MHz	5.1MHz
B100	QPSK	50	LOW	730.5	9.MHz	9.96MHz
B100	Q16	50	LOW	730.5	9.04MHz	10.MHz
B100	QPSK	50	LOW	743	9.MHz	10.04MHz
B100	Q16	50	LOW	743	8.96MHz	10.04MHz
B100	QPSK	50	LOW	736	9.08MHz	10.04MHz
B100	Q16	50	LOW	736	9.MHz	9.96MHz
B150	QPSK	75	LOW	733	13.56MHz	15.MHz
B150	Q16	75	LOW	733	13.56MHz	15.MHz
B150	QPSK	75	LOW	740.5	13.56MHz	15.MHz
B150	Q16	75	LOW	740.5	13.56MHz	14.88MHz
B150	QPSK	75	LOW	736	13.62MHz	15.12MHz
B150	Q16	75	LOW	736	13.56MHz	15.12MHz
B200	QPSK	100	LOW	735.5	18.08MHz	20.24MHz
B200	Q16	100	LOW	735.5	18.16MHz	19.92MHz
B200	QPSK	100	LOW	738	18.16MHz	20.16MHz
B200	Q16	100	LOW	738	18.08MHz	20.08MHz
B200	QPSK	100	LOW	736	18.16MHz	19.92MHz

Bandwidth	Modulation	#RB	start RB	Frequency	OBW(99%)	26dB BW
B200	Q16	100	LOW	736	18.08MHz	20.16MHz

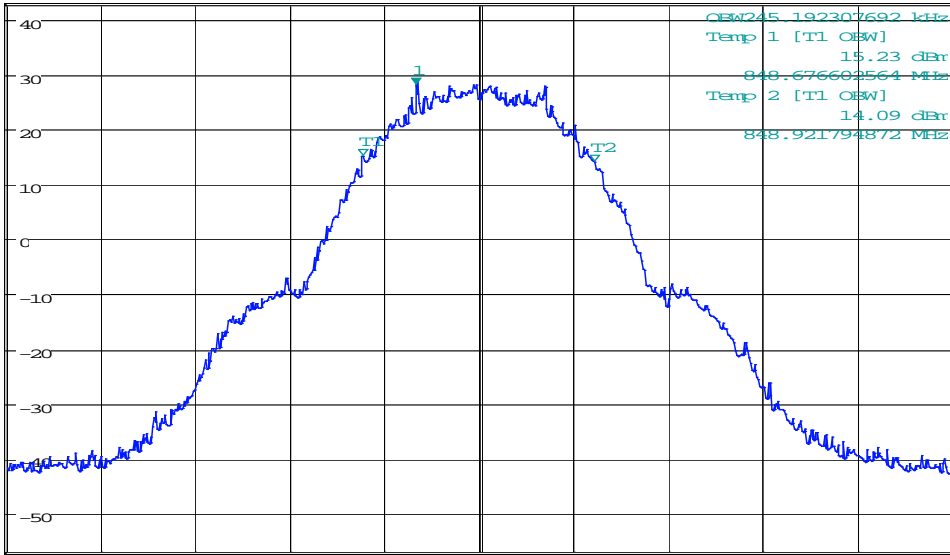
9.2 Test Plot(s)

GSM850@OBW

HC



Ref 46 dBm *Att 30 dB *RBW 10 kHz *VBW 30 kHz *SWT 40 ms Marker 1 [T1] 28.25 dBm 848.732692308 MHz



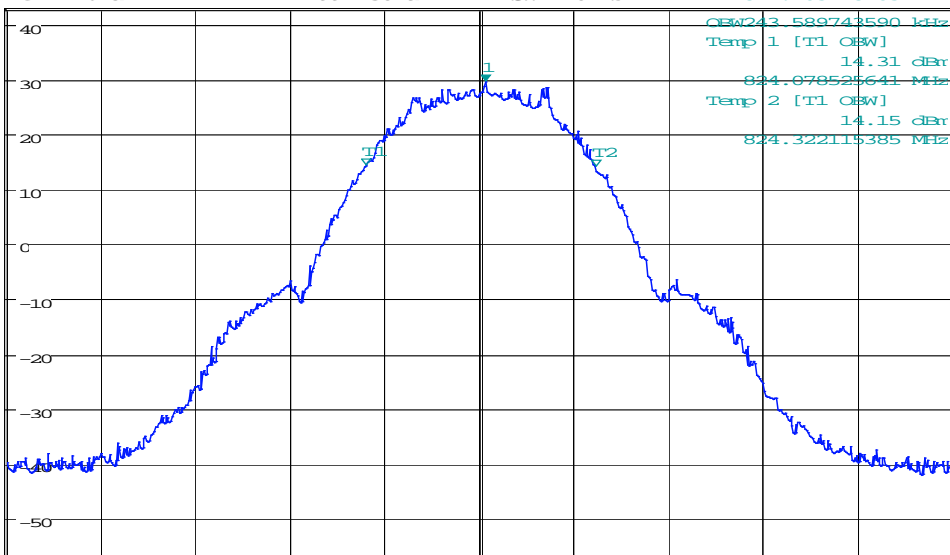
Center 848.8 MHz 100 kHz/ Span 1 MHz

Date: 21.JUN.2016 17:47:08

LC



Ref 46 dBm *Att 30 dB *RBW 10 kHz *VBW 30 kHz *SWT 40 ms Marker 1 [T1] 29.68 dBm 824.205128205 MHz



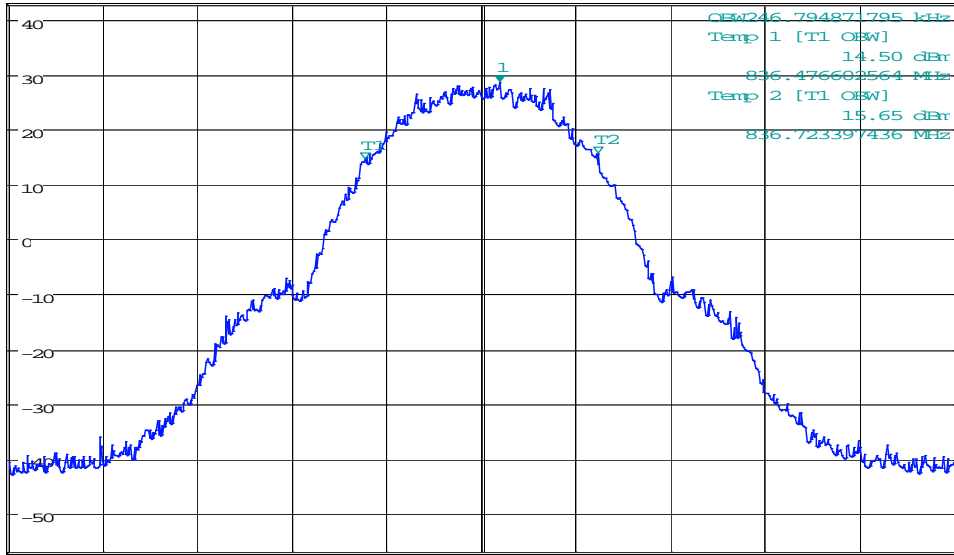
Center 824.1987179 MHz 100 kHz/ Span 1 MHz

Date: 21.JUN.2016 17:41:20

MC



Ref 46 dBm *Att 30 dB *RBW 10 kHz Marker 1 [T1] 28.68 dBm
 *VBW 30 kHz SWI 40 ms 836.619230769 MHz



Center 836.6 MHz 100 kHz/ Span 1 MHz

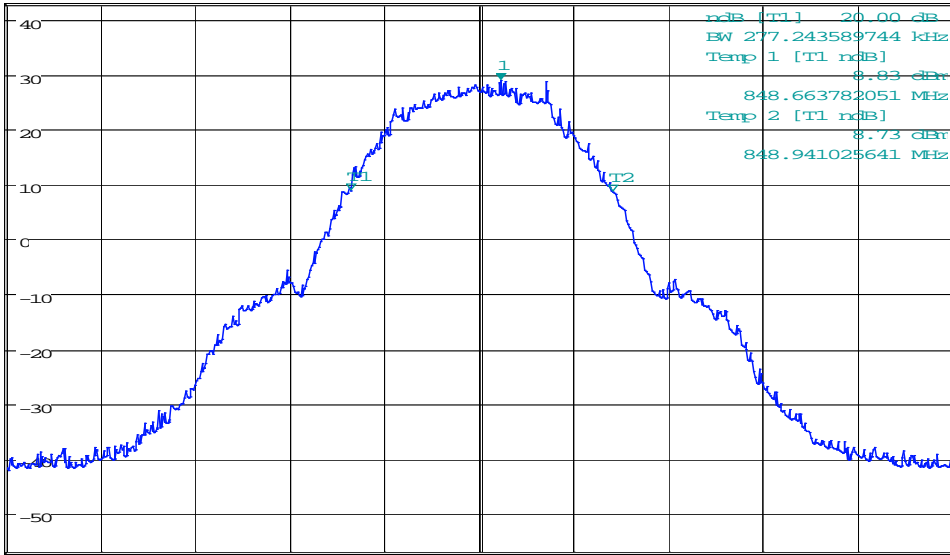
Date: 21.JUN.2016 17:45:49

GSM850@-26dB Bandwidth

HC



Ref 46 dBm *Att 30 dB *RBW 10 kHz *VBW 30 kHz *SWT 40 ms Marker 1 [T1] 28.93 dBm 848.822435897 MHz



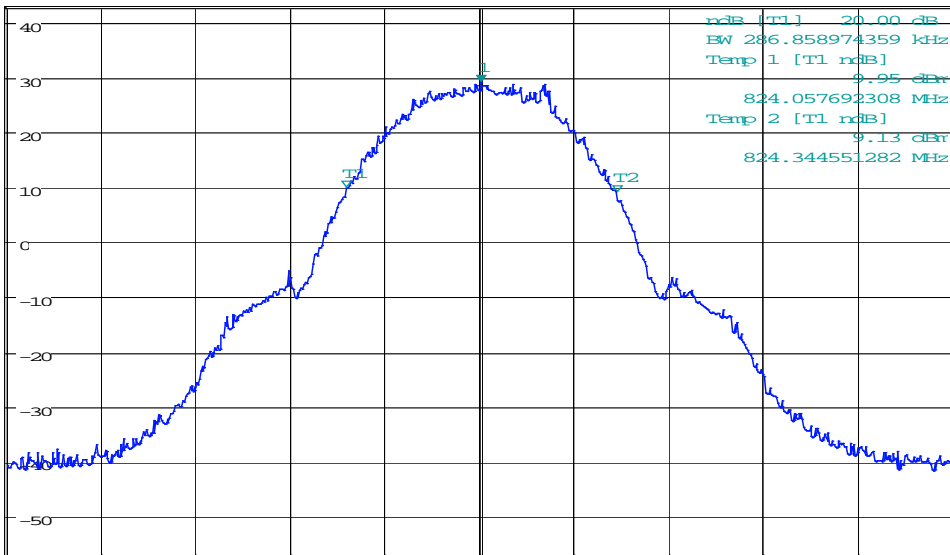
Center 848.8 MHz 100 kHz/ Span 1 MHz

Date: 21.JUN.2016 17:48:04

LC



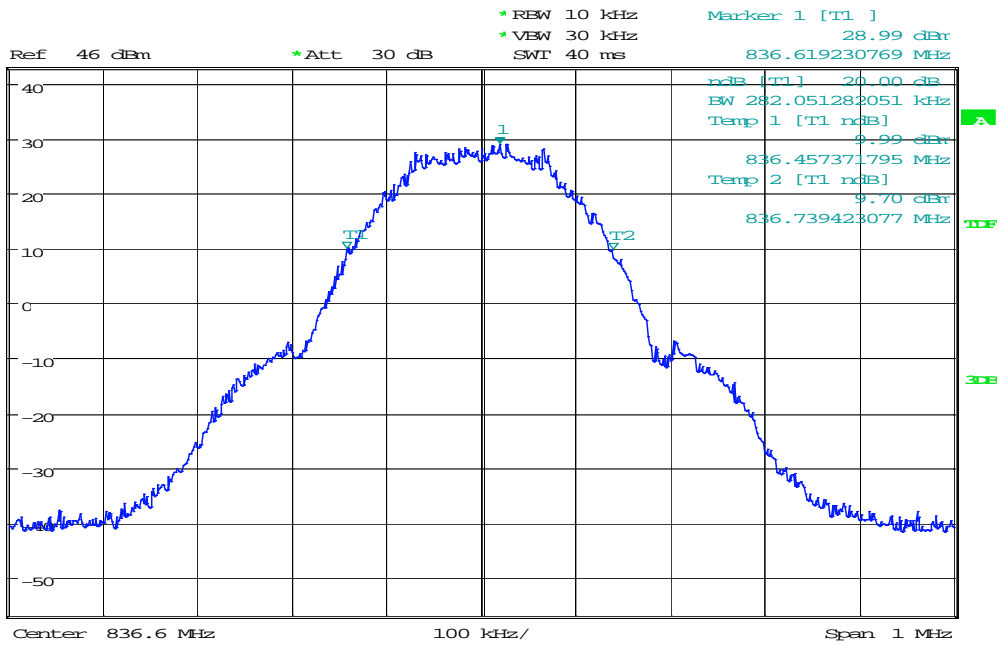
Ref 46 dBm *Att 30 dB *RBW 10 kHz *VBW 30 kHz *SWT 40 ms Marker 1 [T1] 29.15 dBm 824.200320513 MHz



Center 824.1987179 MHz 100 kHz/ Span 1 MHz

Date: 21.JUN.2016 17:43:19

MC



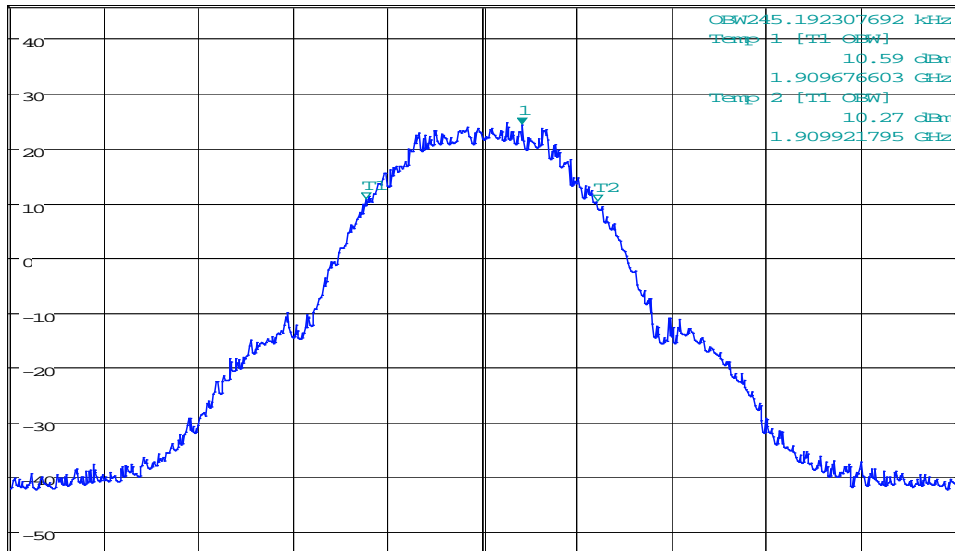
Date: 21.JUN.2016 17:45:12

PCS1900@OBW

HC



Ref 46 dBm *Att 30 dB *RBW 10 kHz VEW 30 kHz SWT 40 ms Marker 1 [T1] 24.29 dBm 1.909841667 GHz



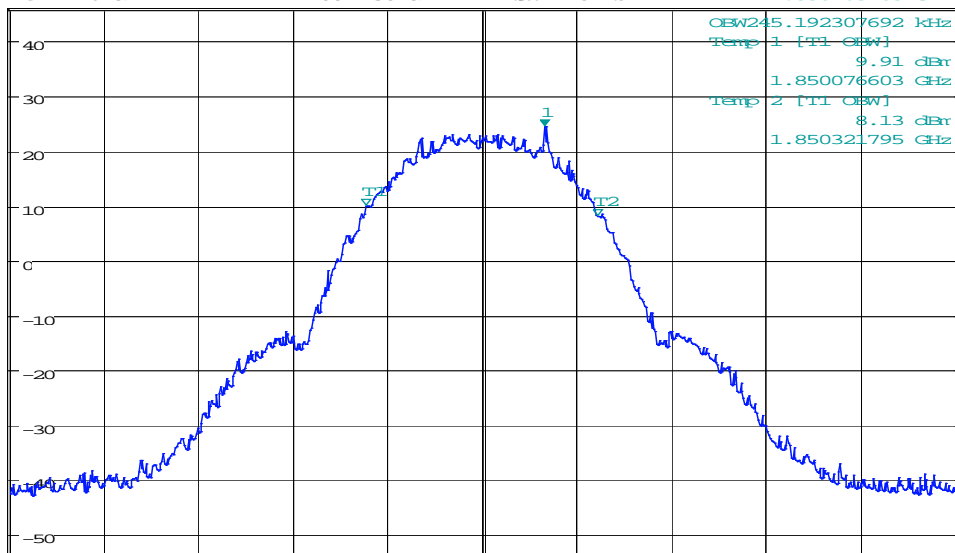
Center 1.9098 GHz 100 kHz/ Span 1 MHz

Date: 21.JUN.2016 18:13:40

LC



Ref 46 dBm *Att 30 dB *RBW 10 kHz VEW 30 kHz SWT 40 ms Marker 1 [T1] 24.36 dBm 1.850265705 GHz



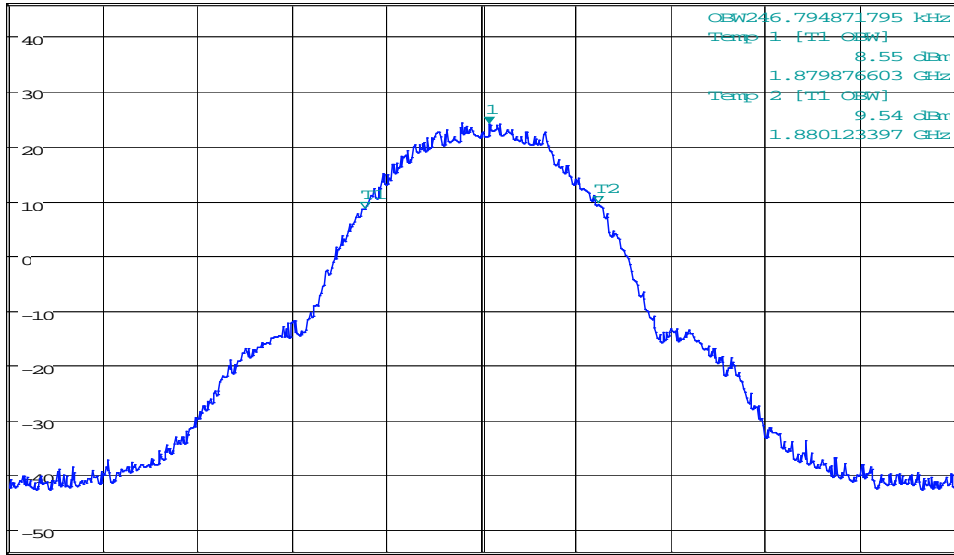
Center 1.8502 GHz 100 kHz/ Span 1 MHz

Date: 21.JUN.2016 18:19:00

MC



Ref 46 dBm *Att 30 dB *RBW 10 kHz Marker 1 [T1]
VSW 30 kHz 24.07 dBm
SWT 40 ms 1.880008013 GHz



Center 1.88 GHz 100 kHz/ Span 1 MHz

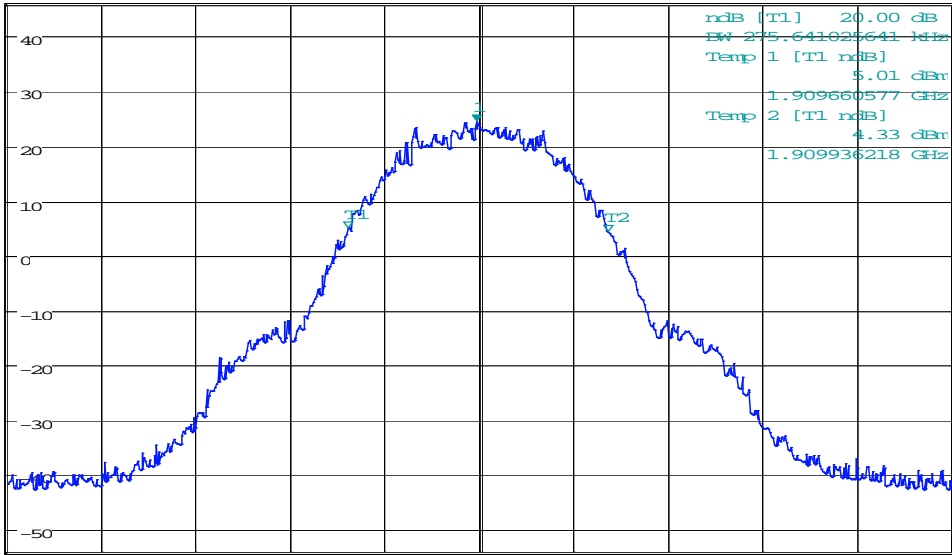
Date: 21.JUN.2016 18:15:37

PCS1900@26dB Bandwidth

HC



Ref 46 dBm *Att 30 dB *RBW 10 kHz Marker 1 [T1]
 VEW 30 kHz 24.41 dBm
 SWT 40 ms 1.909796795 GHz



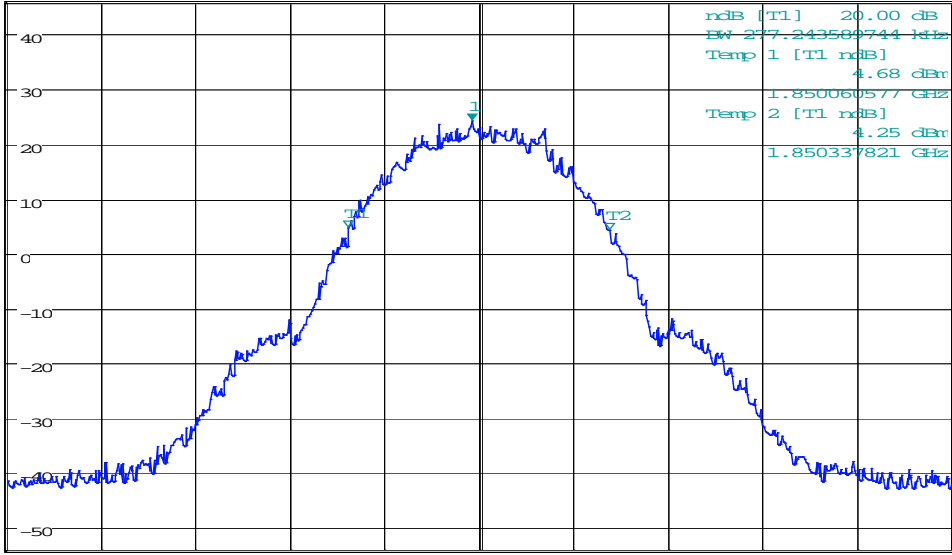
Center 1.9098 GHz 100 kHz/ Span 1 MHz

Date: 21.JUN.2016 18:14:26

LC



Ref 46 dBm *Att 30 dB *RBW 10 kHz Marker 1 [T1]
 VEW 30 kHz 24.29 dBm
 SWT 40 ms 1.850191987 GHz



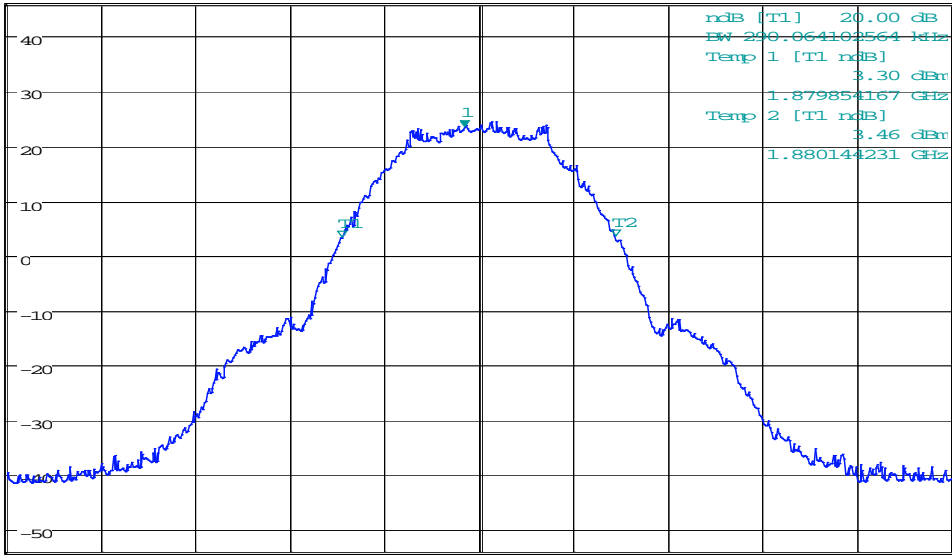
Center 1.8502 GHz 100 kHz/ Span 1 MHz

Date: 21.JUN.2016 18:17:56

MC



Ref 46 dBm *Att 30 dB *REW 10 kHz Marker 1 [T1] 23.52 dBm
 VEW 30 kHz 1.879983974 GHz
 SWT 40 ms



Date: 21.JUN.2016 18:17:07

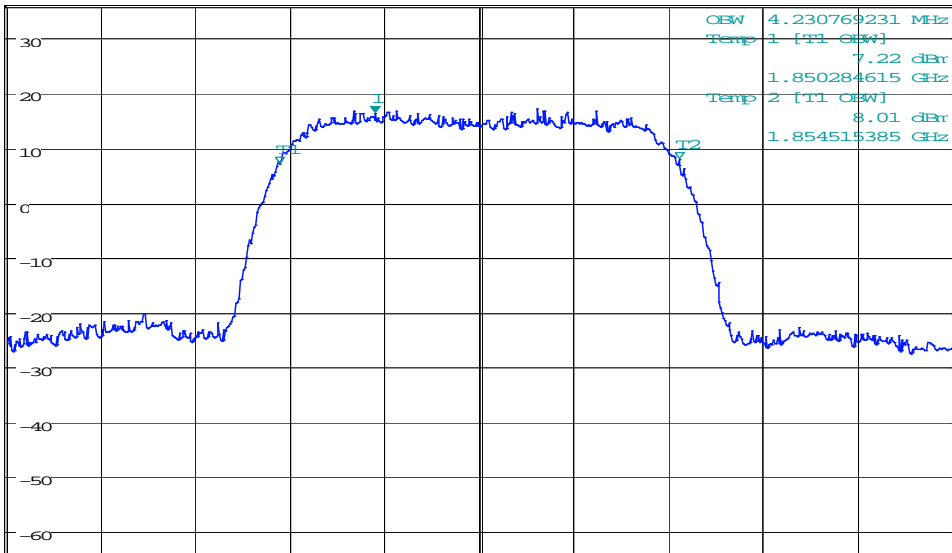
UTRA BANDS

BAND2@OBW

HC



Ref 36 dBm *Att 30 dB *RBW 100 kHz VEW 300 kHz SWT 5 ms Marker 1 [T1] 16.39 dBm 1.851294231 GHz



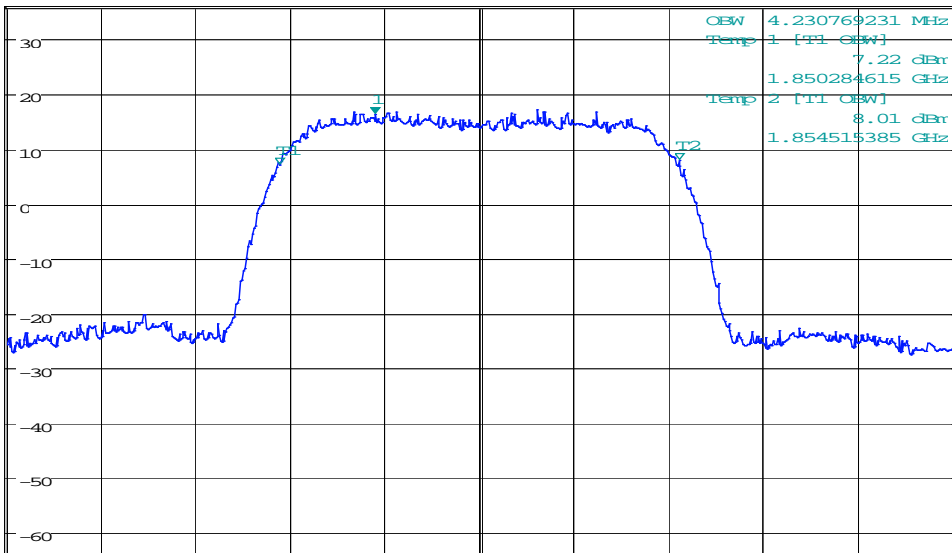
Center 1.9076 GHz 1 MHz/ Span 10 MHz

Date: 22.JUN.2016 17:58:22

LC



Ref 36 dBm *Att 30 dB *RBW 100 kHz VEW 300 kHz SWT 5 ms Marker 1 [T1] 16.39 dBm 1.851294231 GHz



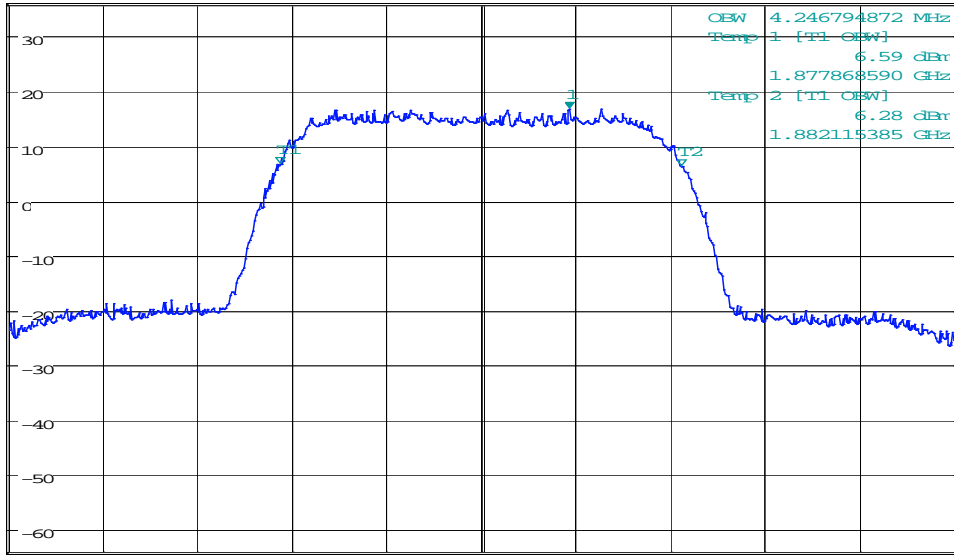
Center 1.8524 GHz 1 MHz/ Span 10 MHz

Date: 22.JUN.2016 17:58:22

MC



Ref 36 dBm *Att 30 dB *RBW 100 kHz Marker 1 [T1]
 VEW 300 kHz SWI 5 ms 16.76 dBm
 1.880929487 GHz



Center 1.88 GHz 1 MHz/ Span 10 MHz

Date: 22.JUN.2016 17:57:34

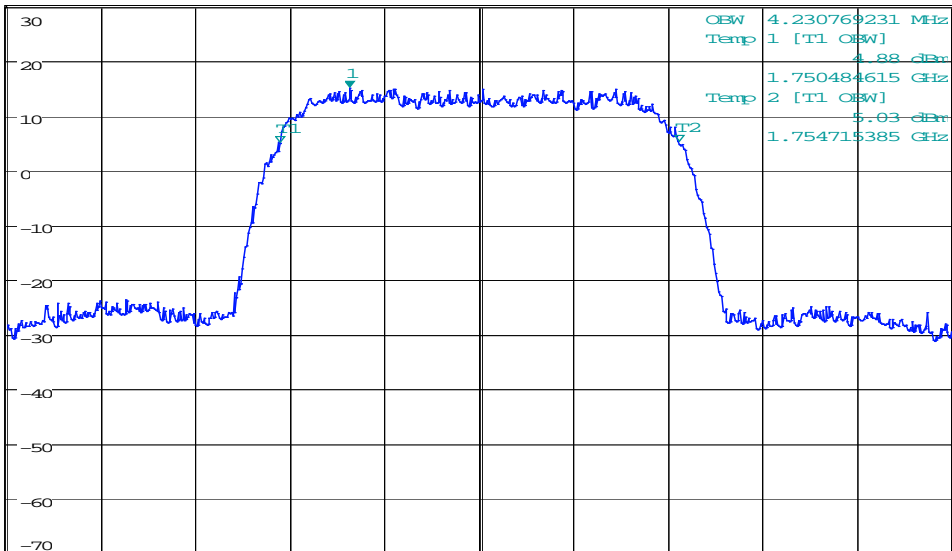
BAND2@

BAND 4@OBW

HC



Ref 30 dBm *Att 30 dB *RBW 100 kHz Marker 1 [T1]
 VEW 300 kHz SWT 5 ms 1.751221795 GHz



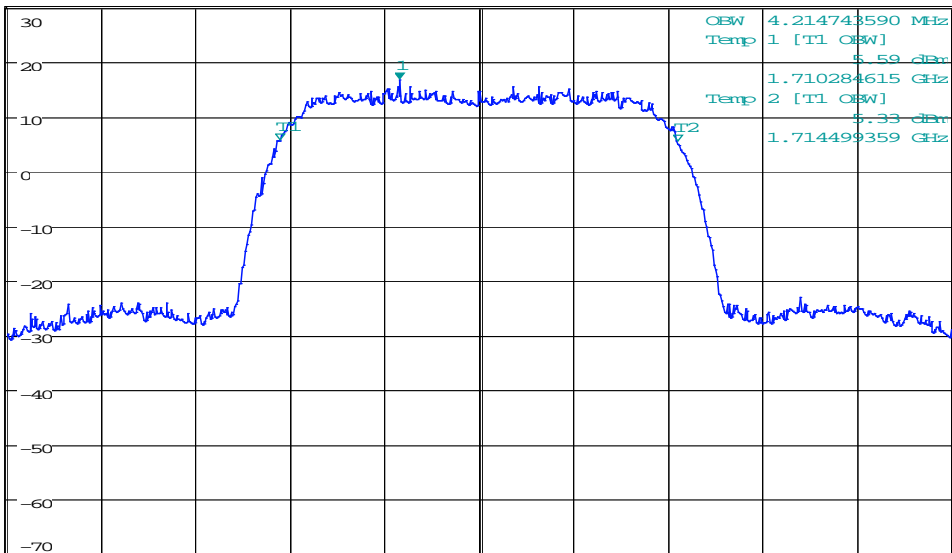
Center 1.7526 GHz 1 MHz/ Span 10 MHz

Date: 22.JUN.2016 18:20:39

LC



Ref 30 dBm *Att 30 dB *RBW 100 kHz Marker 1 [T1]
 VEW 300 kHz SWT 5 ms 1.711550641 GHz



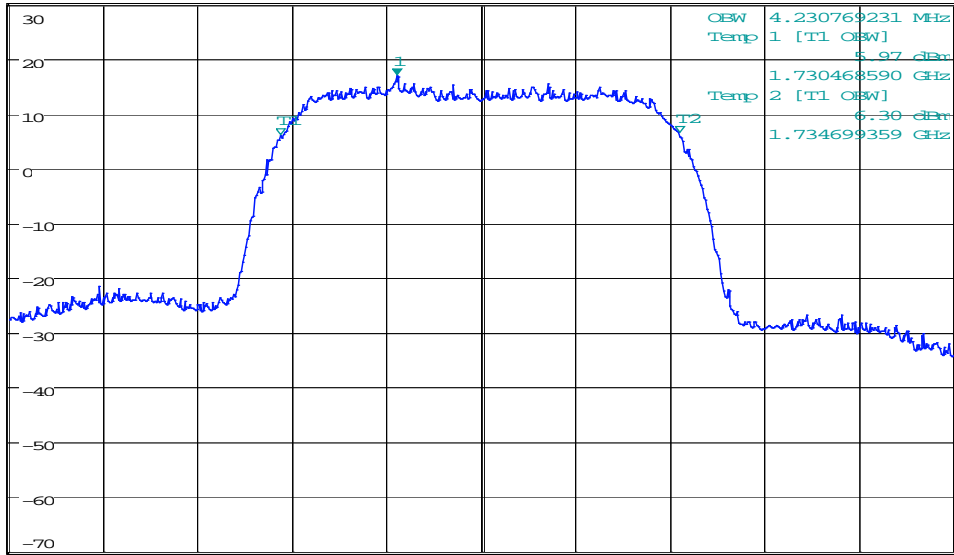
Center 1.7124 GHz 1 MHz/ Span 10 MHz

Date: 22.JUN.2016 18:13:54

MC



Ref 30 dBm *Att 30 dB *RBW 100 kHz Marker 1 [T1]
 VEW 300 kHz SWT 5 ms 16.80 dBm
 1.731702564 GHz



Center 1.7326 GHz 1 MHz/ Span 10 MHz

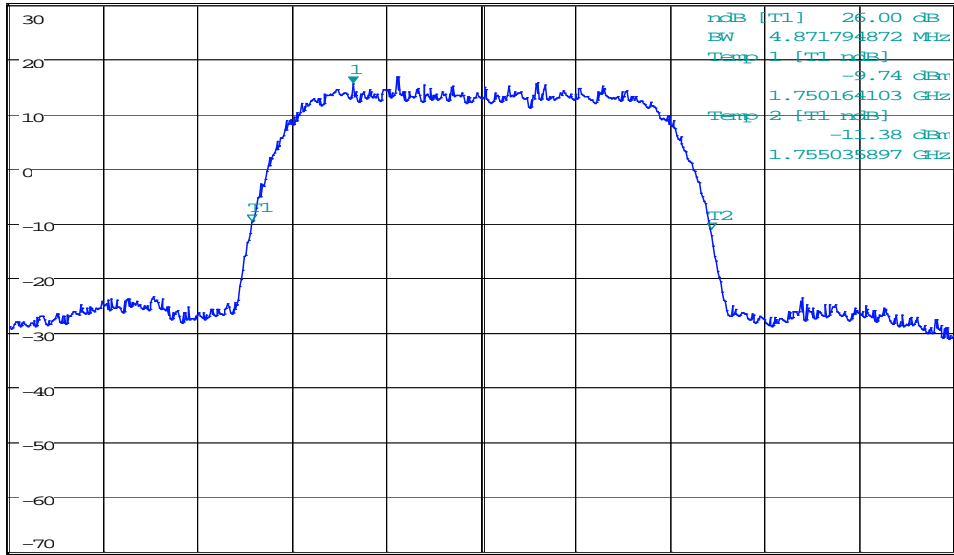
Date: 22.JUN.2016 18:15:10

BAND 4@26dB Bandwidth

HC



Ref 30 dBm *Att 30 dB *RBW 100 kHz Marker 1 [T1] 15.31 dBm
VIEW 300 kHz SWT 5 ms 1.751237821 GHz



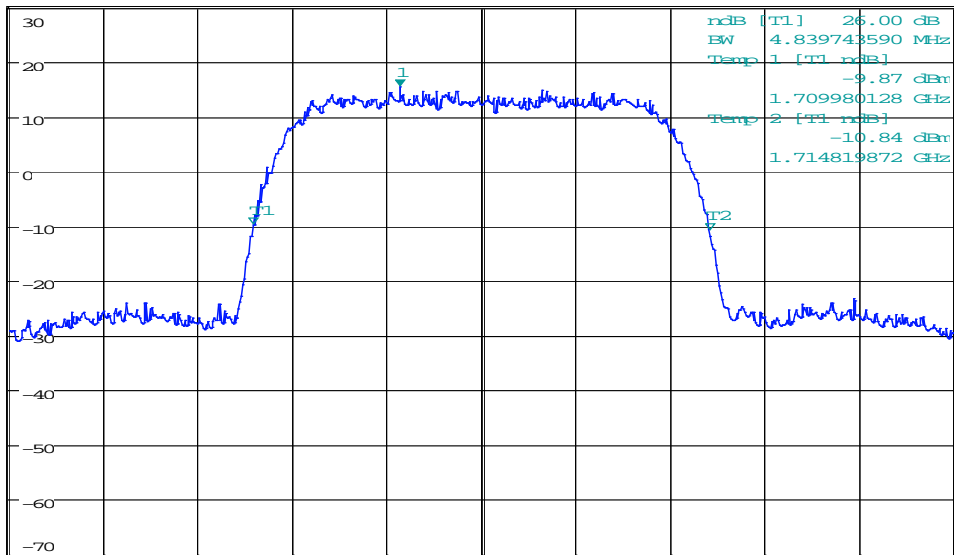
Center 1.7526 GHz 1 MHz/ Span 10 MHz

Date: 22.JUN.2016 18:20:07

LC



Ref 30 dBm *Att 30 dB *RBW 100 kHz Marker 1 [T1] 15.43 dBm
VIEW 300 kHz SWT 5 ms 1.711534615 GHz



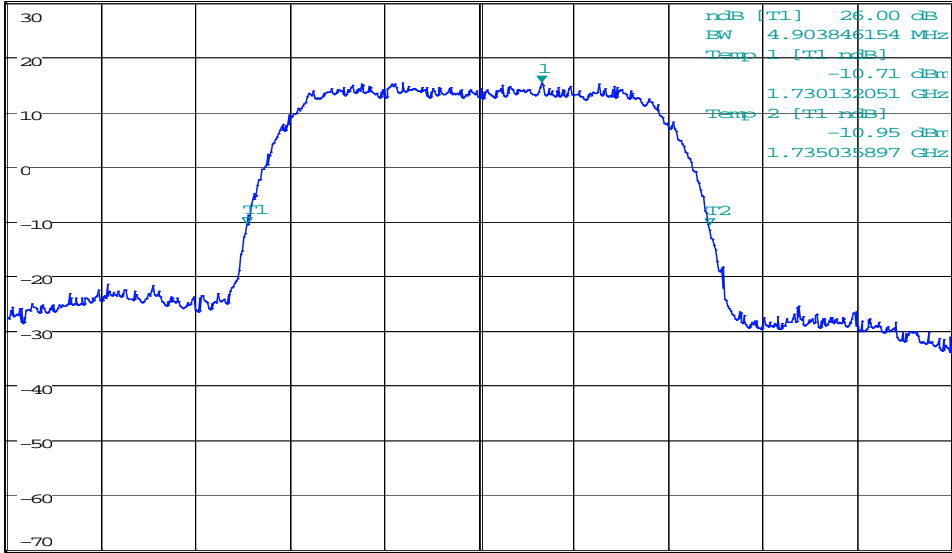
Center 1.7124 GHz 1 MHz/ Span 10 MHz

Date: 22.JUN.2016 18:14:26

MC



Ref 30 dBm *Att 30 dB *RBW 100 kHz Marker 1 [T1] 15.17 dBm
 View 300 kHz SWT 5 ms 1.733257051 GHz



Center 1.7326 GHz 1 MHz/ Span 10 MHz

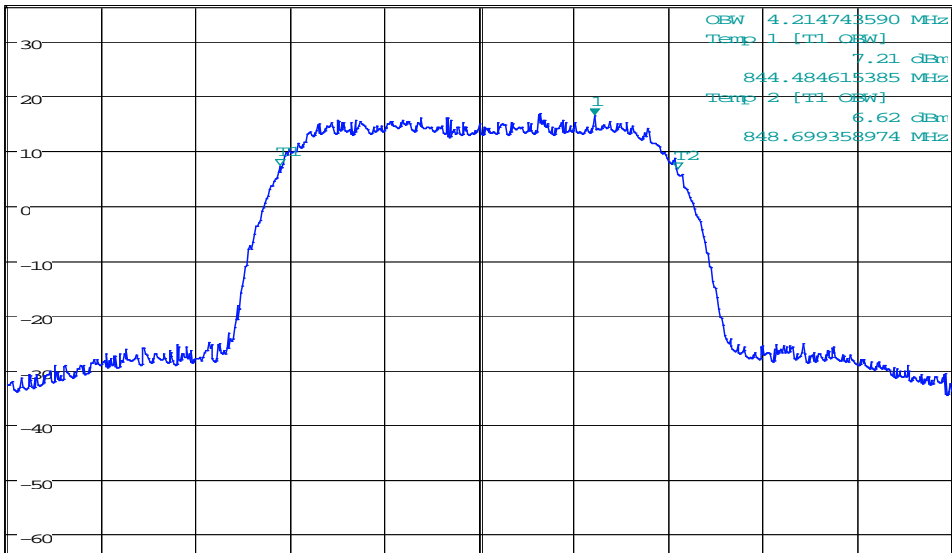
Date: 22.JUN.2016 18:15:45

BAND 5@OBW

HC



Ref 36.5 dBm *Att 30 dB *RBW 100 kHz VEW 300 kHz SWT 5 ms Marker 1 [T1] 16.53 dBm 847.817948718 MHz



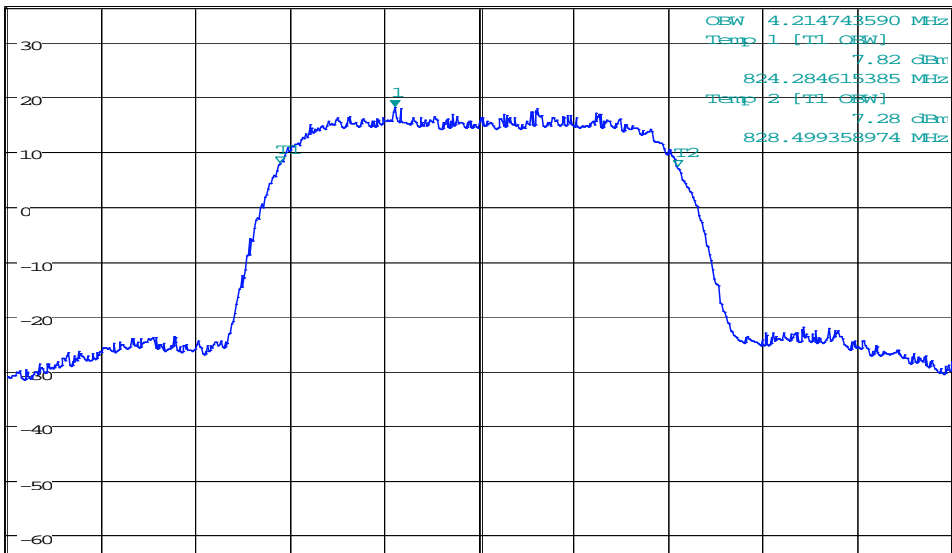
Center 846.6 MHz 1 MHz/ Span 10 MHz

Date: 22.JUN.2016 17:33:36

LC



Ref 36.5 dBm *Att 30 dB *RBW 100 kHz VEW 300 kHz SWT 5 ms Marker 1 [T1] 18.16 dBm 825.502564103 MHz



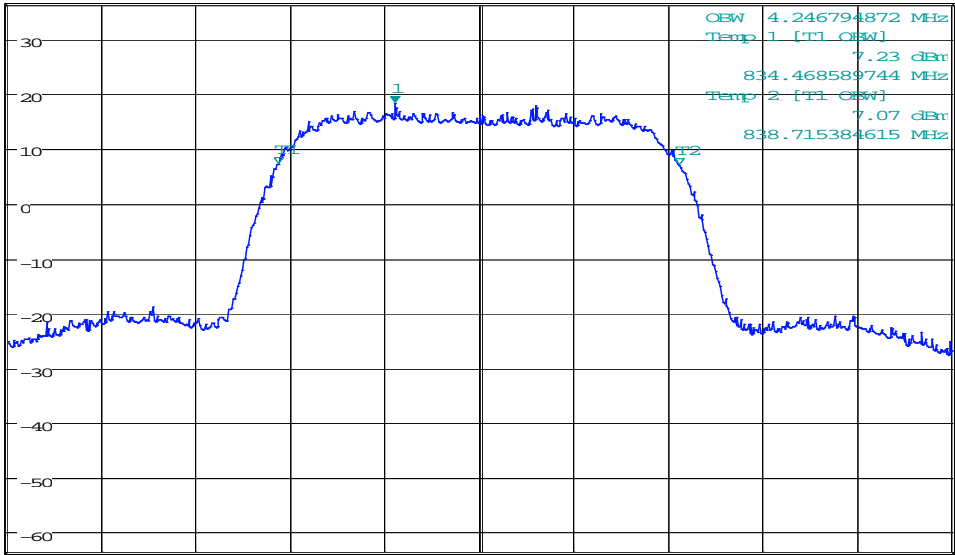
Center 826.4 MHz 1 MHz/ Span 10 MHz

Date: 22.JUN.2016 17:29:05

MC



Ref 36.5 dBm *Att 30 dB *RBW 100 kHz Marker 1 [T1]
 VEW 300 kHz 18.33 dBm
 SWT 5 ms 835.702564103 MHz



Center 836.6 MHz 1 MHz/ Span 10 MHz

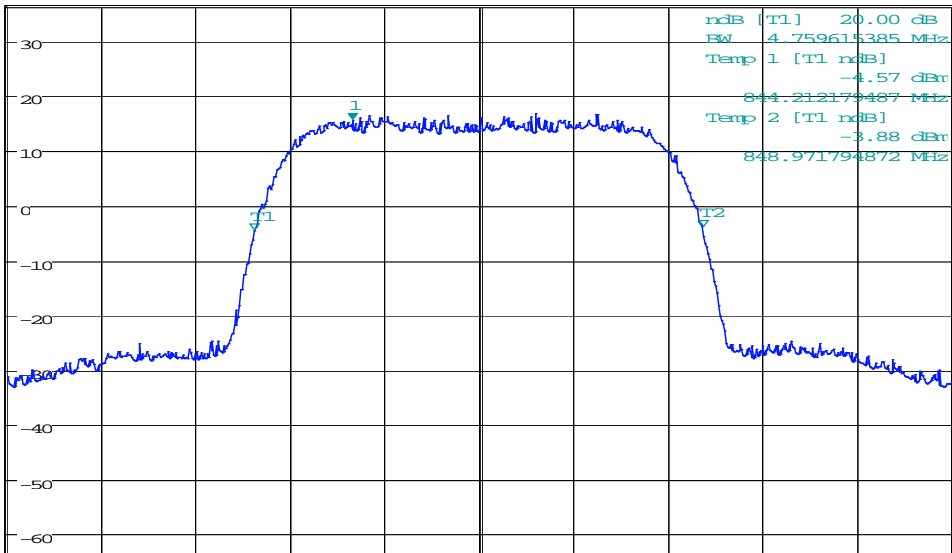
Date: 22.JUN.2016 17:32:44

BAND V @26dB Bandwidth

HC



Ref 36.5 dBm *Att 30 dB *RBW 100 kHz Marker 1 [T1]
 VEW 300 kHz 15.62 dBm
 SWT 5 ms 845.253846154 MHz



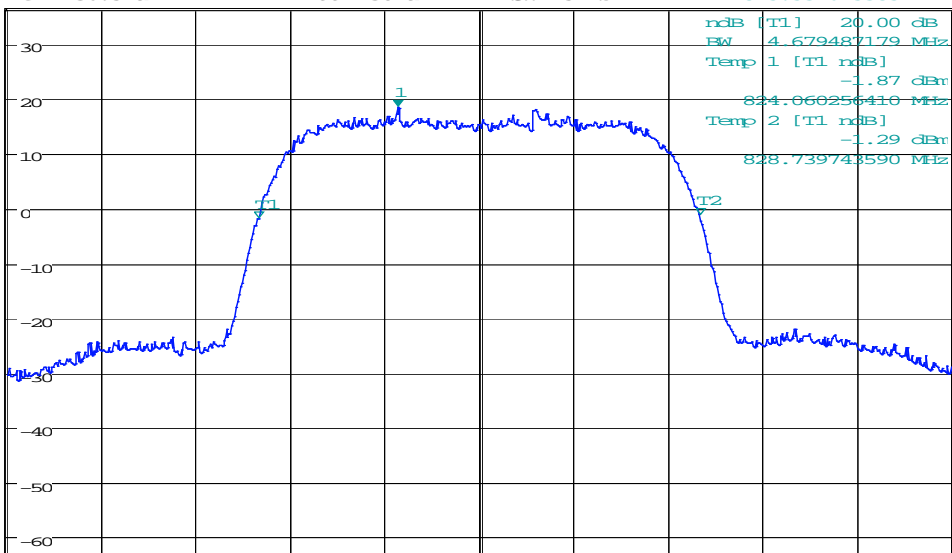
Center 846.6 MHz 1 MHz/ Span 10 MHz

Date: 22.JUN.2016 17:34:12

LC



Ref 36.5 dBm *Att 30 dB *RBW 100 kHz Marker 1 [T1]
 VEW 300 kHz 18.54 dBm
 SWT 5 ms 825.534615385 MHz



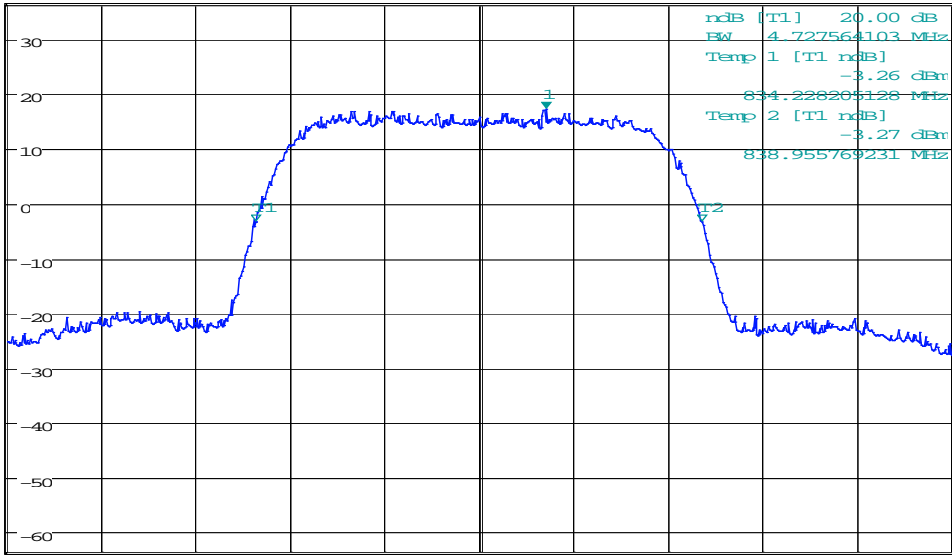
Center 826.4 MHz 1 MHz/ Span 10 MHz

Date: 22.JUN.2016 17:30:20

MC



Ref 36.5 dBm *Att 30 dB *RBW 100 kHz Marker 1 [T1]
 VEW 300 kHz 17.20 dBm
 SWT 5 ms 837.305128205 MHz



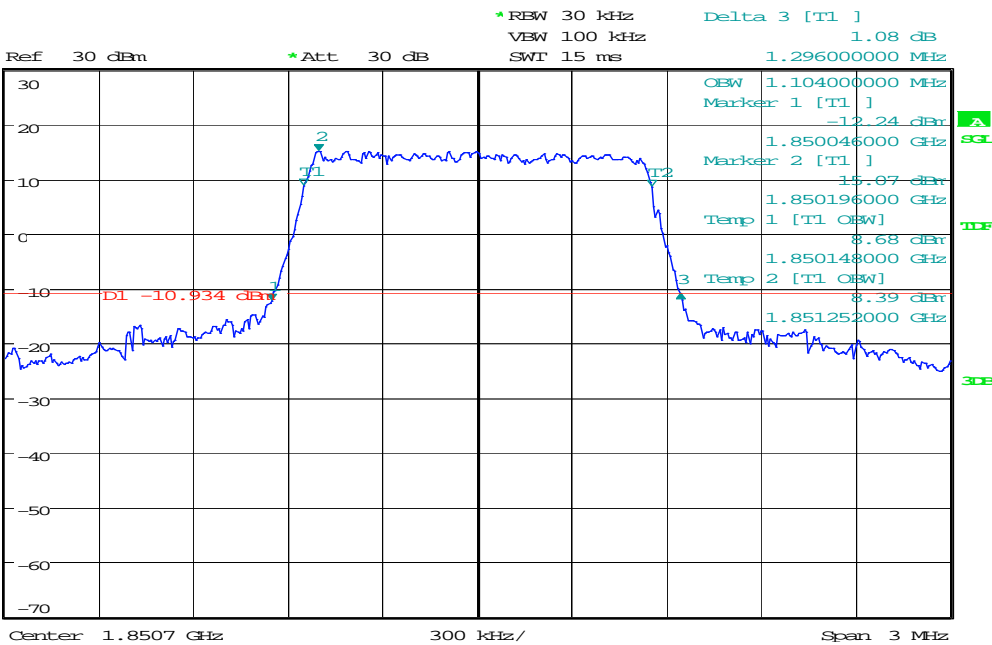
Center 836.6 MHz 1 MHz/ Span 10 MHz

Date: 22.JUN.2016 17:31:39

E-UTRA BANDS

BAND 2@Bandwidth

BW1.4MHz-1850.7MHz,QPSK-6RB_LOW@OBW_1.104MHz@26dB_1.296MHz

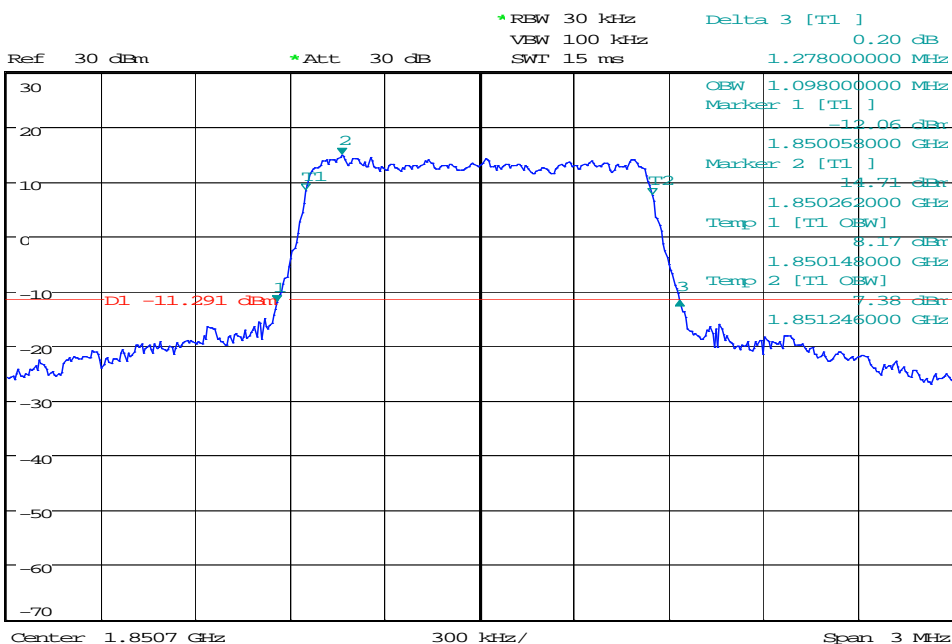


Date: 6.JUN.2016 16:35:09

BW1.4MHz-1850.7MHz,Q16-6RB_LOW@OBW_1.098MHz@26dB_1.278MHz



1.88
MHz

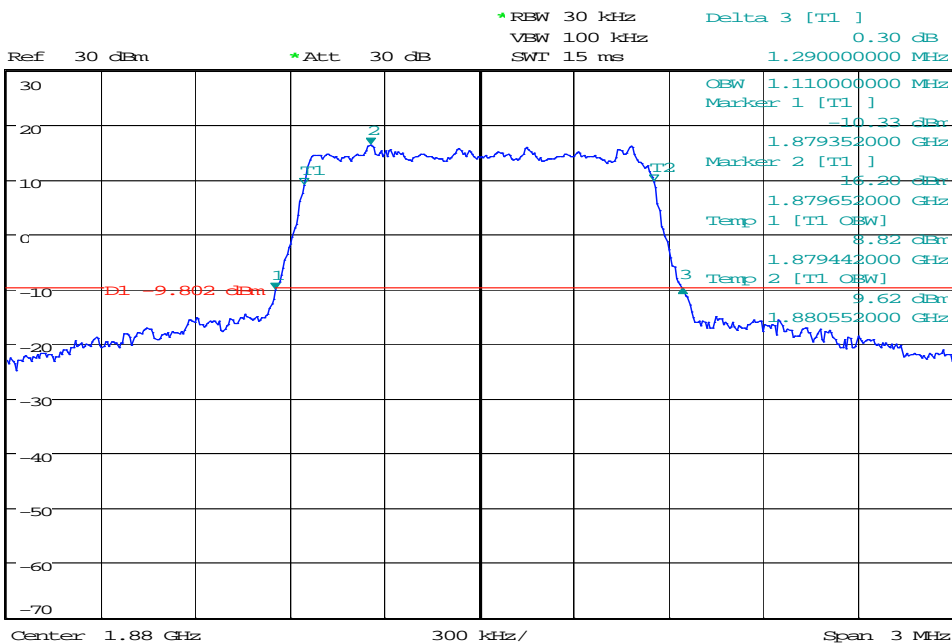


Date: 6.JUN.2016 16:36:42

BW1.4MHz-1880MHz,QPSK-6RB_LOW@OBW_1.11MHz@26dB_1.29MHz

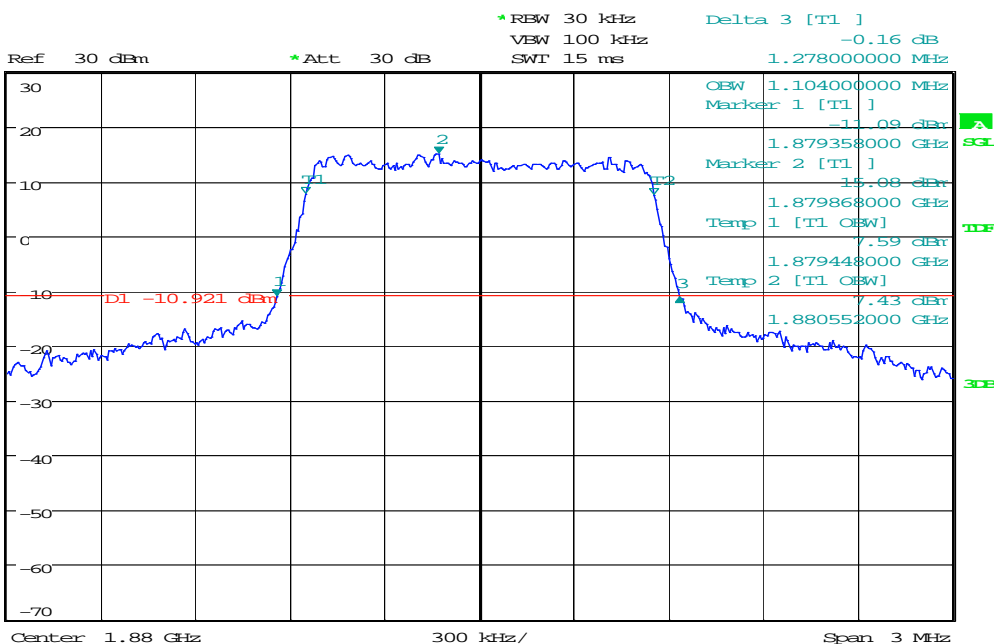


1.88
MHz



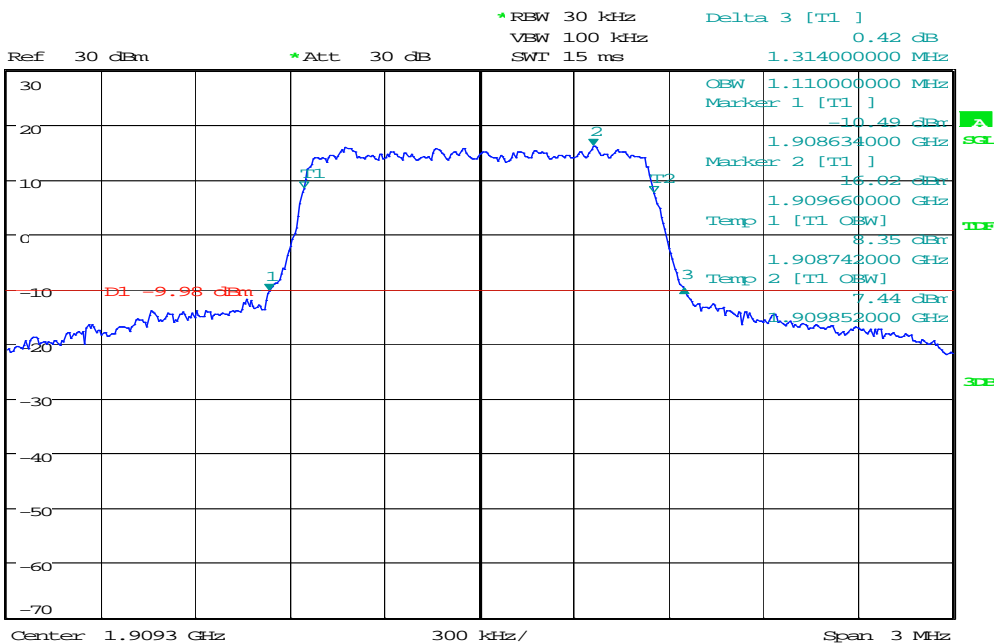
Date: 6.JUN.2016 16:37:38

BW1.4MHz-1880MHz,Q16-6RB_LOW@OBW_1.104MHz@26dB_1.278MHz



Date: 6.JUN.2016 16:38:22

BW1.4MHz-1909.3MHz,QPSK-6RB_LOW@OBW_1.11MHz@26dB_1.314MHz

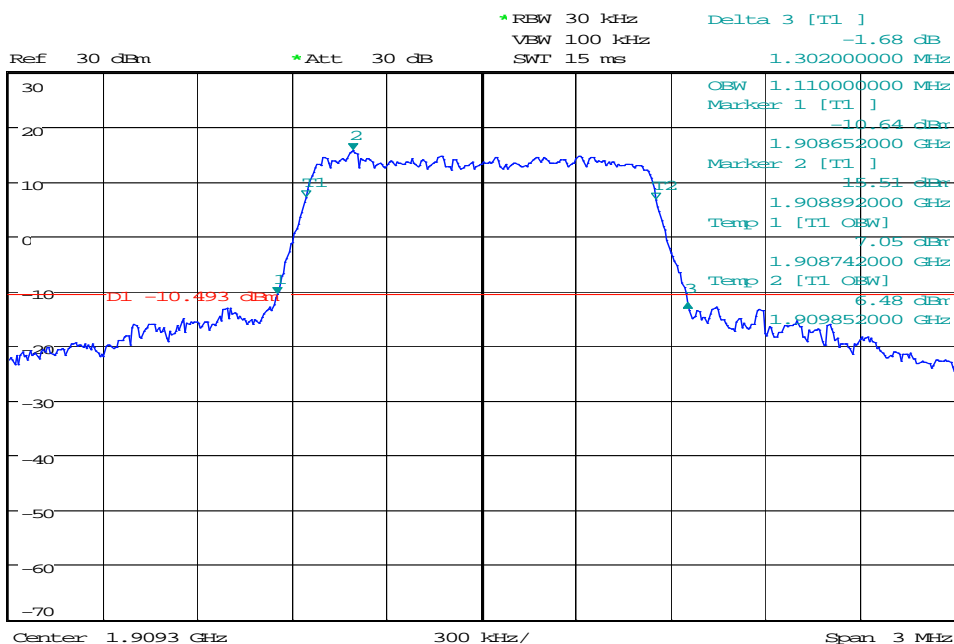


Date: 6.JUN.2016 16:40:04

BW1.4MHz-1909.3MHz,Q16-6RB_LOW@OBW_1.11MHz@26dB_1.302MHz



1.18
MHz

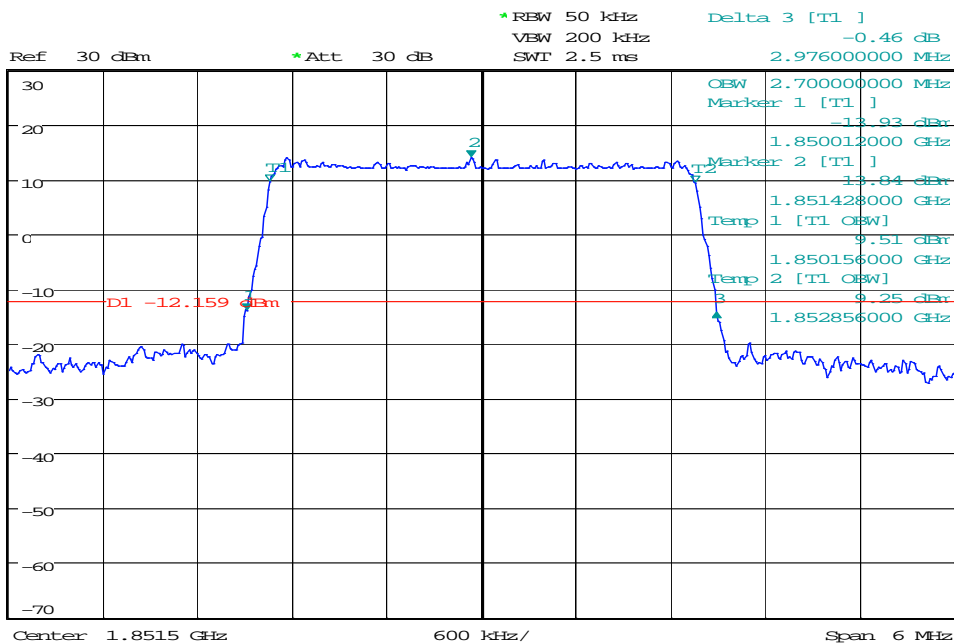


Date: 6.JUN.2016 16:42:00

BW3MHz-1851.5MHz,QPSK-15RB_LOW@OBW_2.7MHz@26dB_2.976MHz

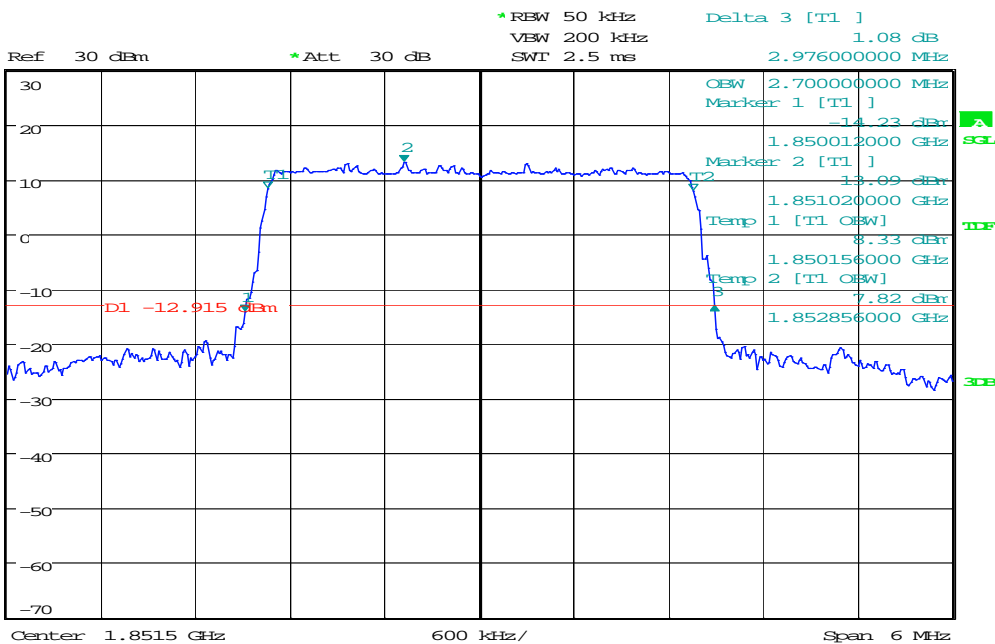


1.18
MHz



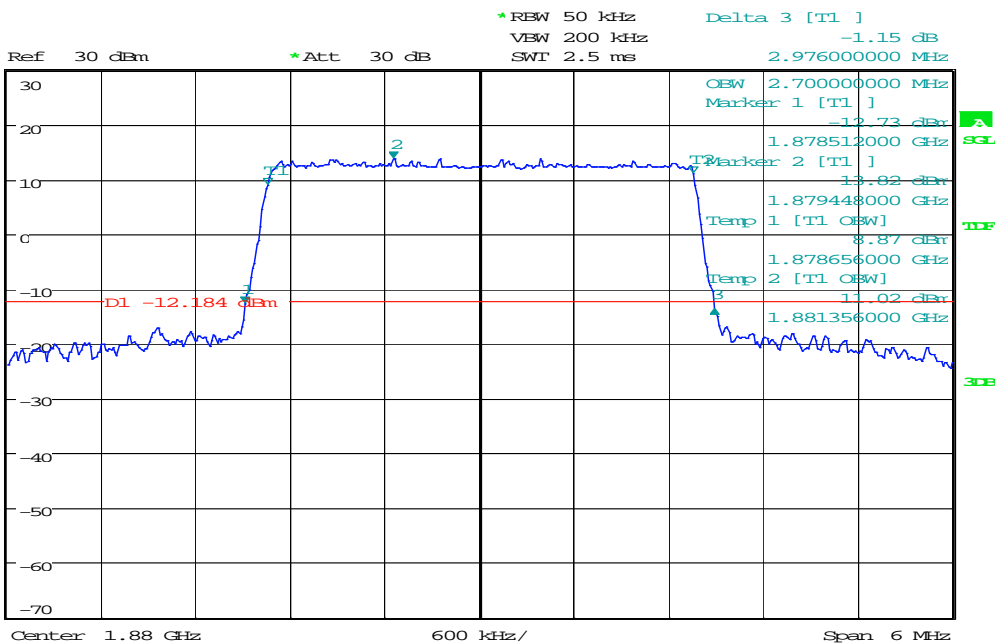
Date: 6.JUN.2016 16:46:23

BW3MHz-1851.5MHz,Q16-15RB_LOW@OBW_2.7MHz@26dB_2.976MHz



Date: 6.JUN.2016 16:47:37

BW3MHz-1880MHz,QPSK-15RB_LOW@OBW_2.7MHz@26dB_2.976MHz

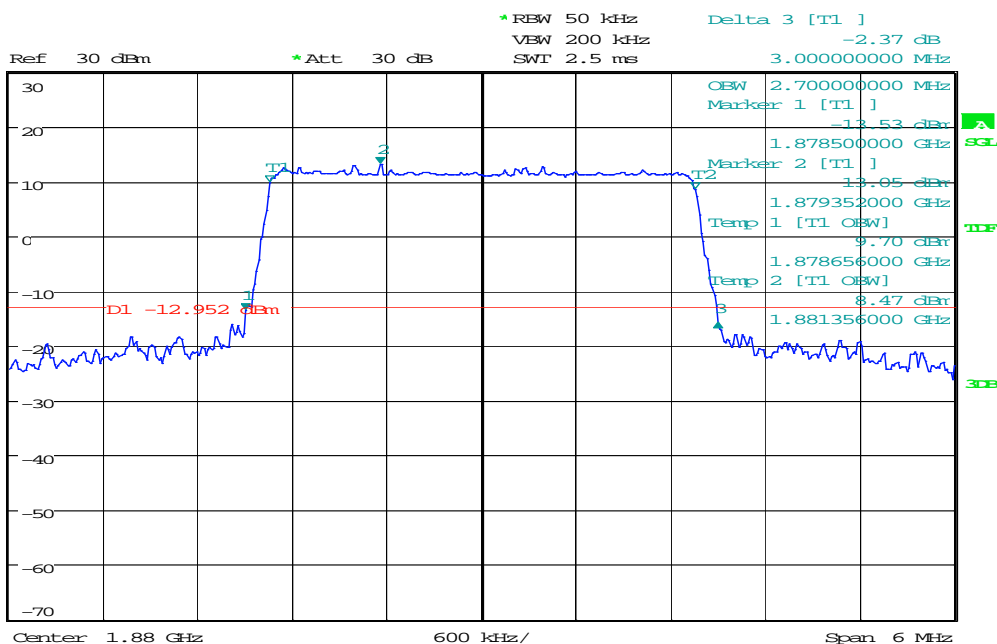


Date: 6.JUN.2016 16:48:21

BW3MHz-1880MHz,Q16-15RB_LOW@OBW_2.7MHz@26dB_3.MHz



1.88
MHz

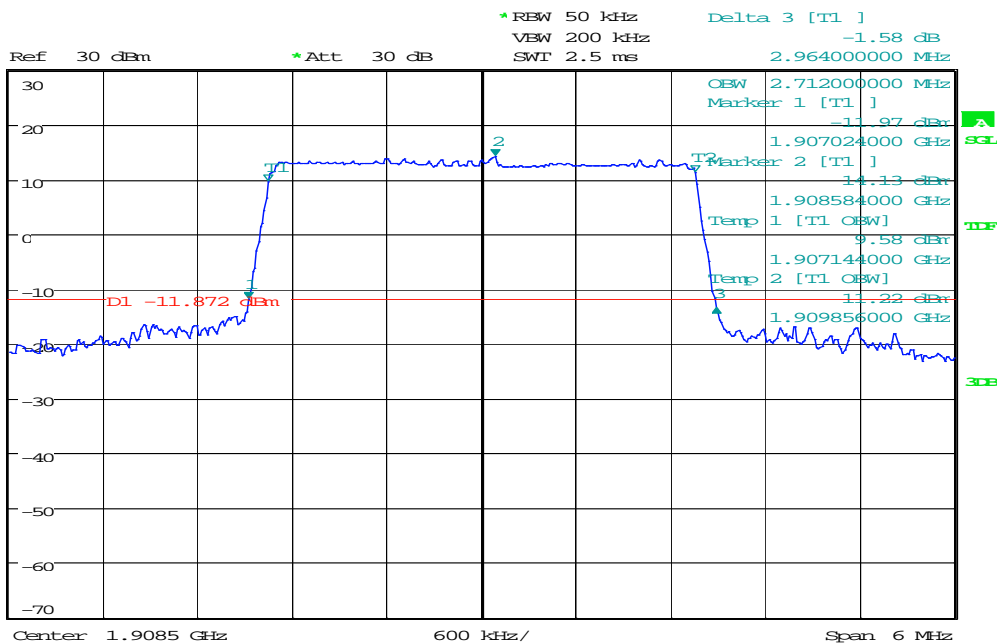


Date: 6.JUN.2016 16:48:57

BW3MHz-1908.5MHz,QPSK-15RB_LOW@OBW_2.712MHz@26dB_2.964MHz



1.98
MHz

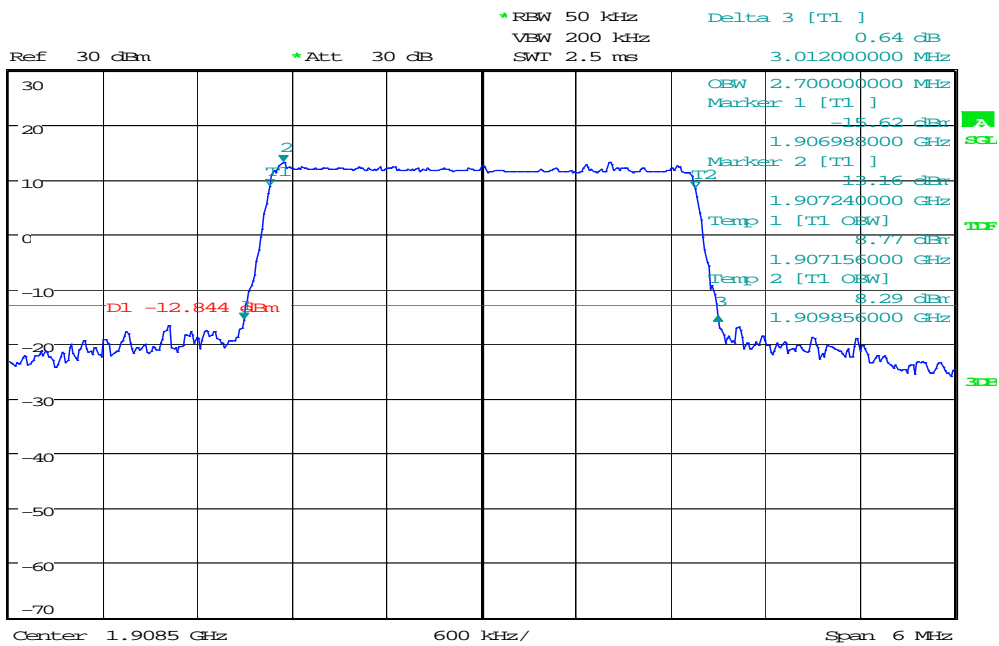


Date: 6.JUN.2016 16:50:19

BW3MHz-1908.5MHz,Q16-15RB_LOW@OBW_2.7MHz@26dB_3.012MHz



1.18
Noise

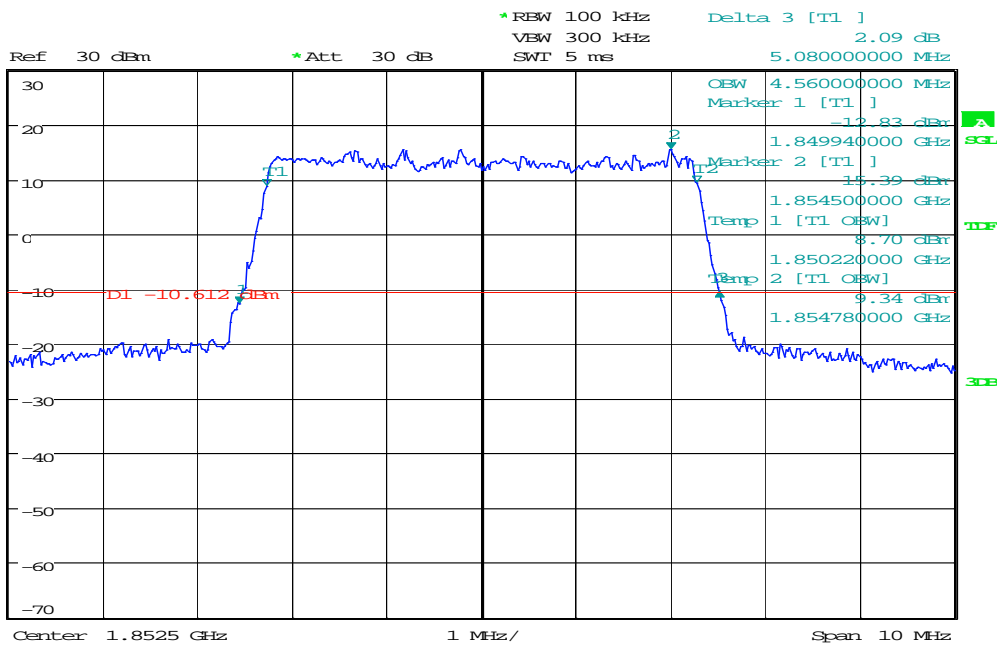


Date: 6.JUN.2016 16:51:52

BW5MHz-1852.5MHz,QPSK-25RB_LOW@OBW_4.56MHz@26dB_5.08MHz

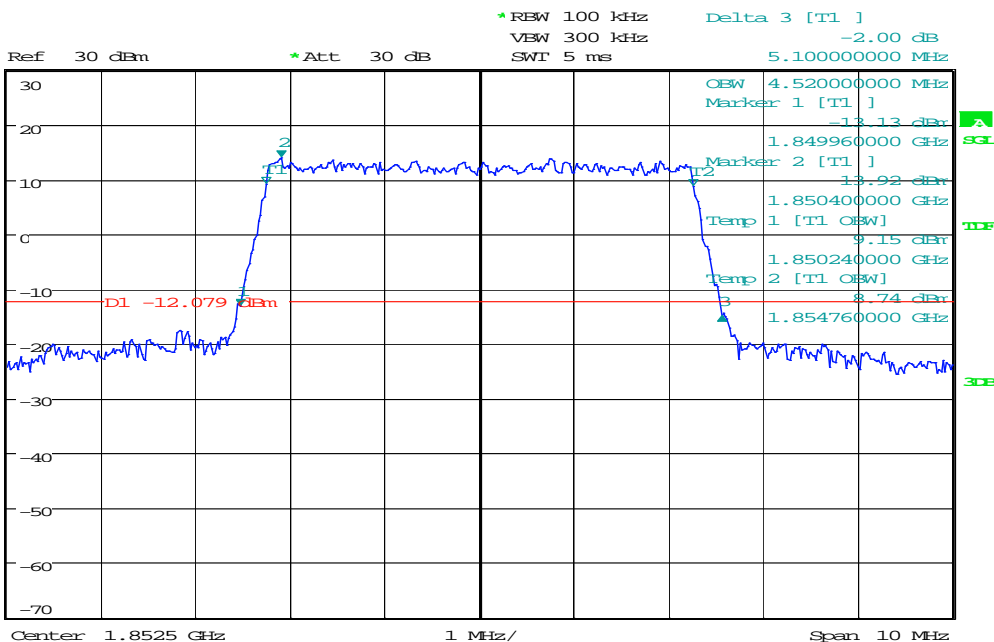


1.18
Noise



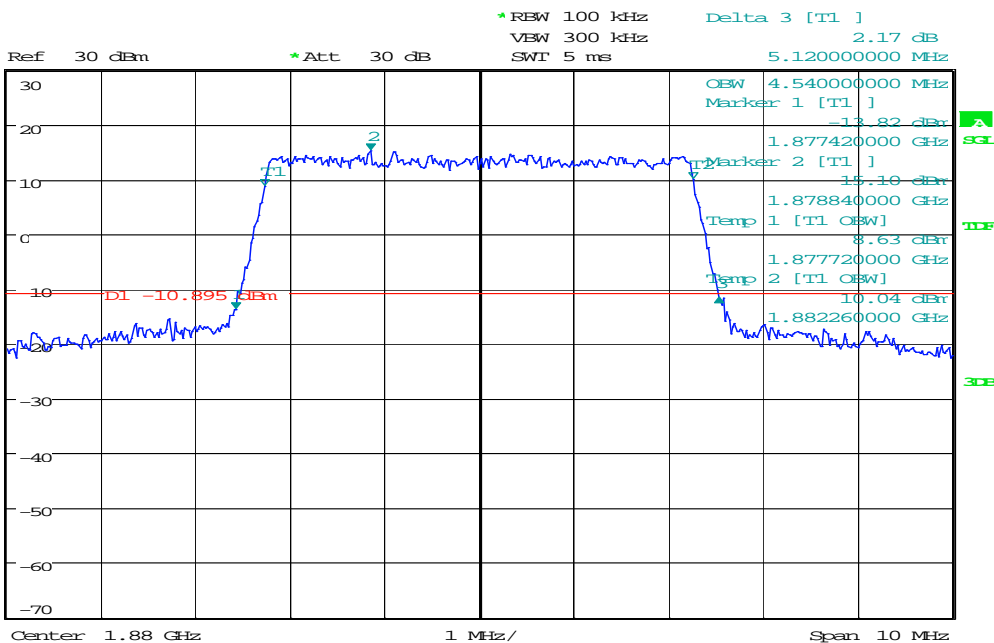
Date: 6.JUN.2016 16:59:55

BW5MHz-1852.5MHz,Q16-25RB_LOW@OBW_4.52MHz@26dB_5.1MHz



Date: 6.JUN.2016 17:01:22

BW5MHz-1880MHz,QPSK-25RB_LOW@OBW_4.54MHz@26dB_5.12MHz

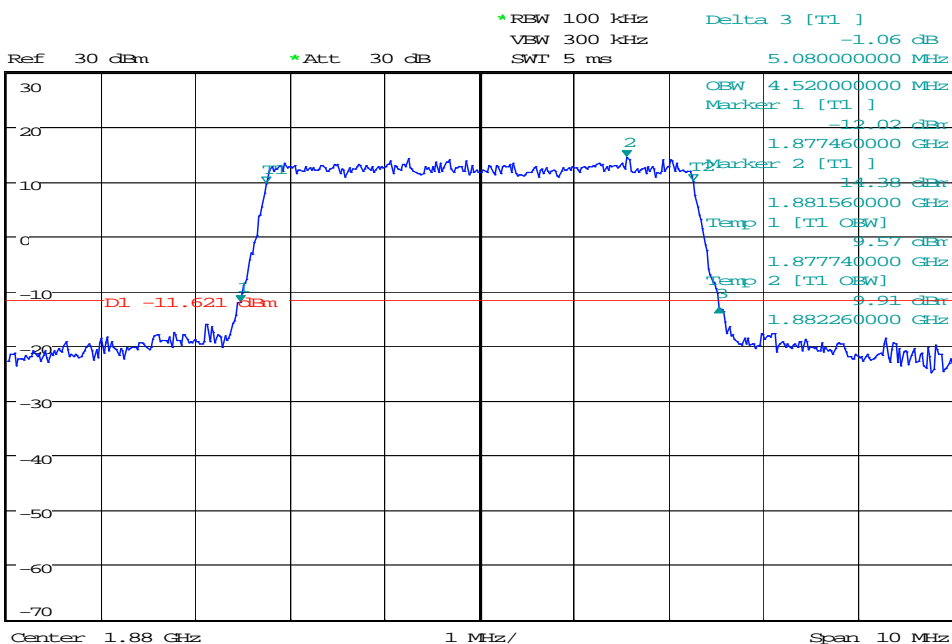


Date: 6.JUN.2016 17:02:08

BW5MHz-1880MHz,Q16-25RB_LOW@OBW_4.52MHz@26dB_5.08MHz



1.88 MHz

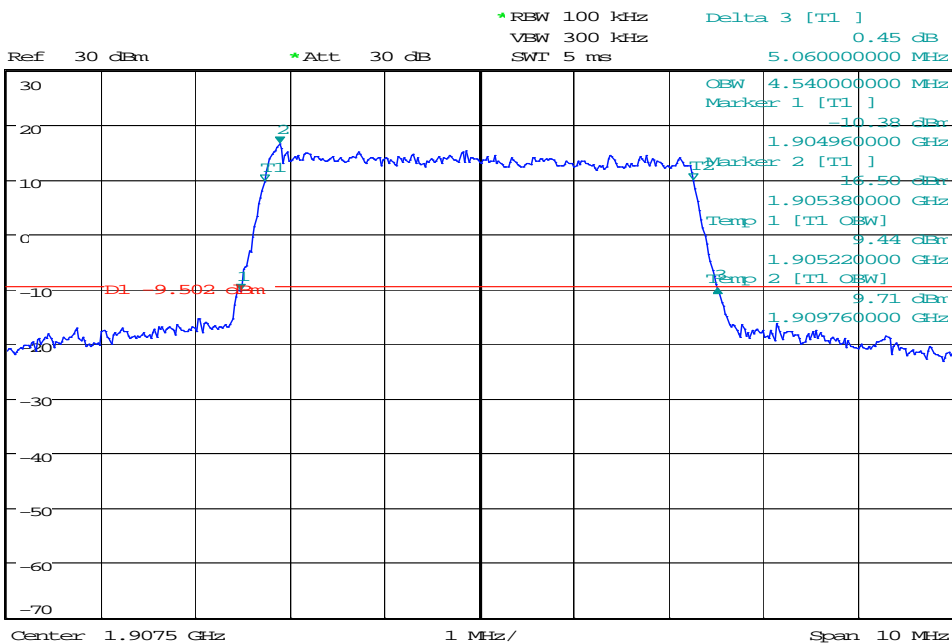


Date: 6.JUN.2016 17:02:45

BW5MHz-1907.5MHz,QPSK-25RB_LOW@OBW_4.54MHz@26dB_5.06MHz

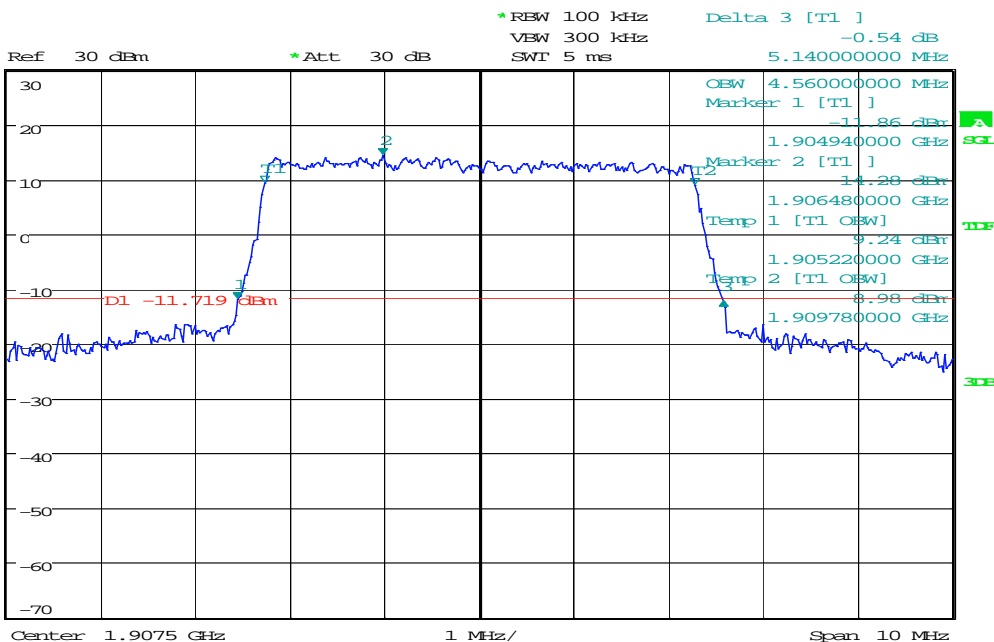


1.9075 MHz



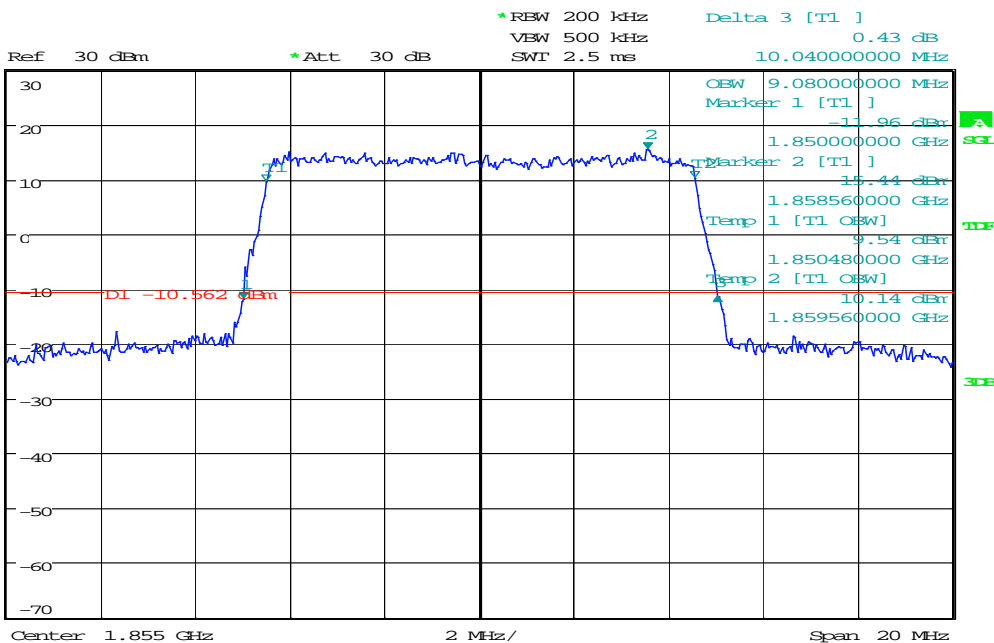
Date: 6.JUN.2016 17:04:14

BW5MHz-1907.5MHz,Q16-25RB_LOW@OBW_4.56MHz@26dB_5.14MHz



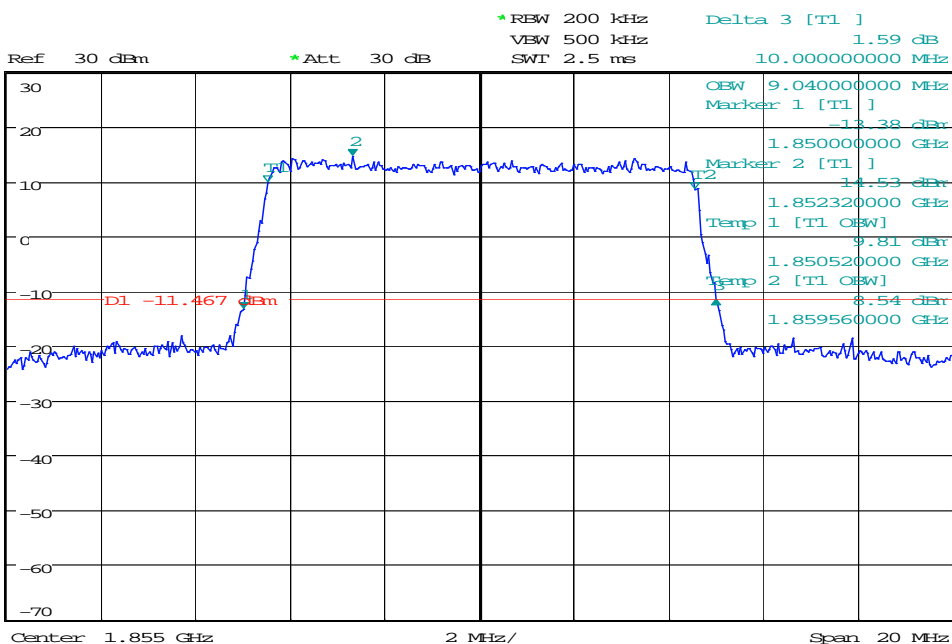
Date: 6.JUN.2016 17:05:54

BW10MHz-1855MHz,QPSK-50RB_LOW@OBW_9.08MHz@26dB_10.04MHz



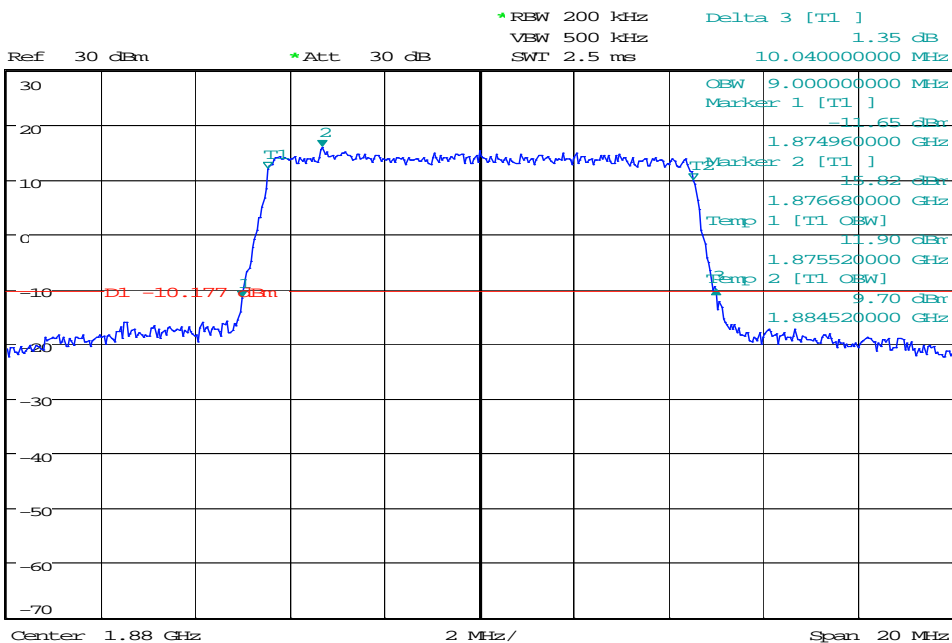
Date: 6.JUN.2016 17:11:34

BW10MHz-1855MHz,Q16-50RB_LOW@OBW_9.04MHz@26dB_10.MHz



Date: 6.JUN.2016 17:13:03

BW10MHz-1880MHz,QPSK-50RB_LOW@OBW_9.MHz@26dB_10.04MHz

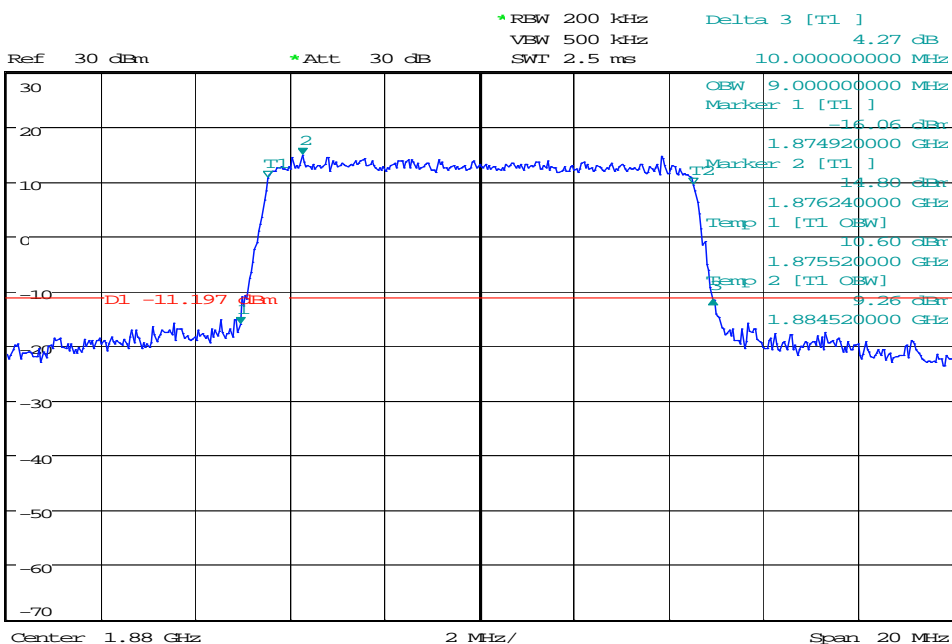


Date: 6.JUN.2016 17:13:50

BW10MHz-1880MHz,Q16-50RB_LOW@OBW_9.MHz@26dB_10.MHz



1.88
MHz

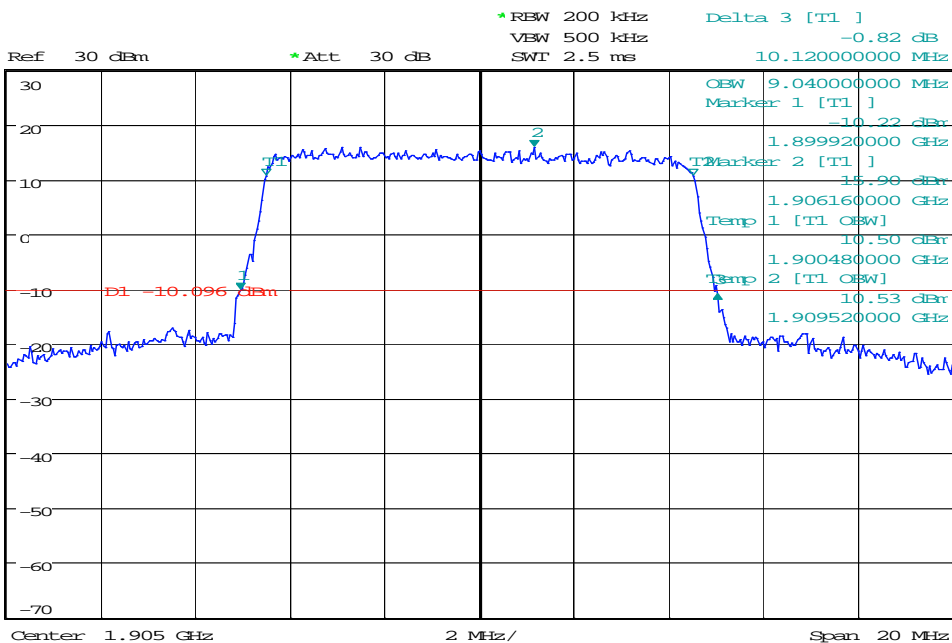


Date: 6.JUN.2016 17:14:28

BW10MHz-1905MHz,QPSK-50RB_LOW@OBW_9.04MHz@26dB_10.12MHz



1.905
MHz

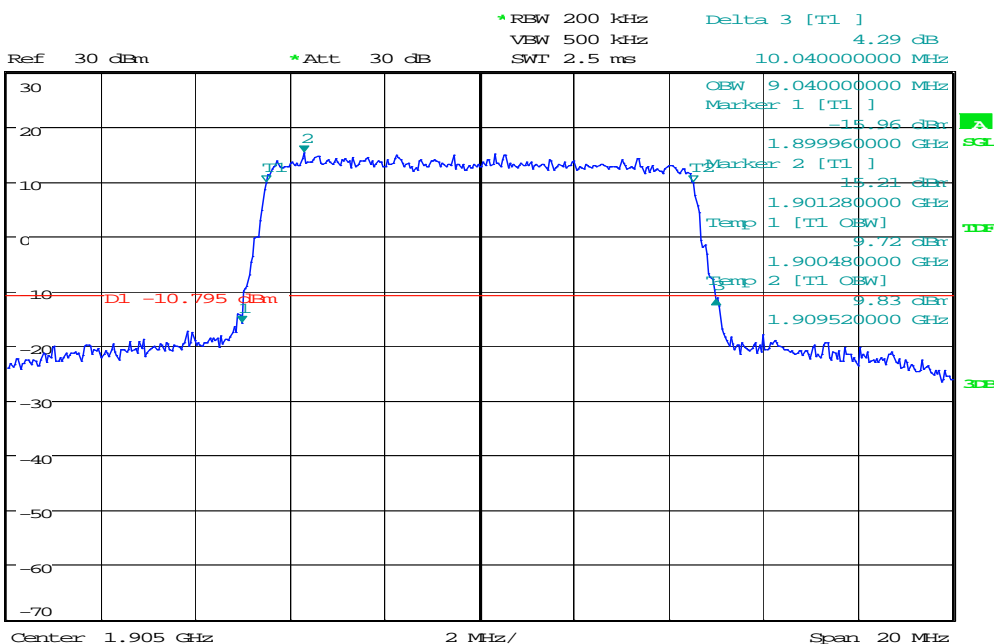


Date: 6.JUN.2016 17:15:53

BW10MHz-1905MHz,Q16-50RB_LOW@OBW_9.04MHz@26dB_10.04MHz



1.83
Noise

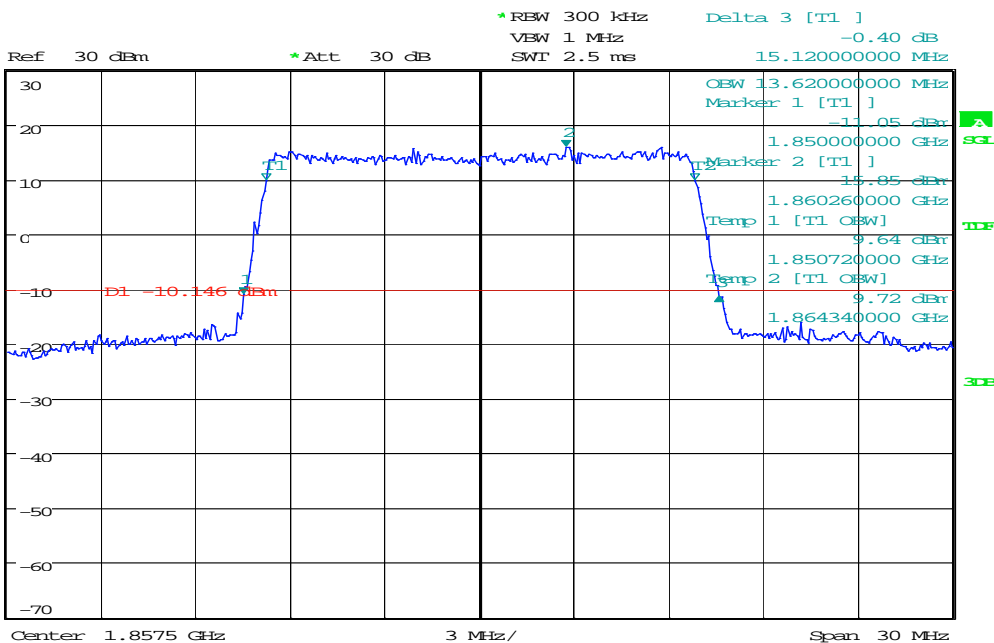


Date: 6.JUN.2016 17:17:30

BW15MHz-1857.5MHz,QPSK-75RB_LOW@OBW_13.62MHz@26dB_15.12MHz



1.83
Noise

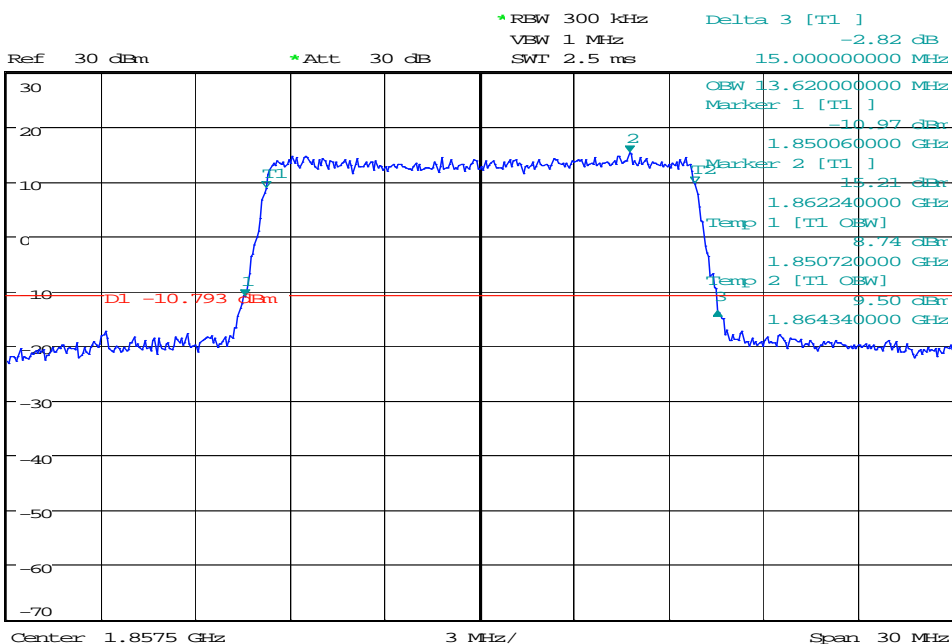


Date: 6.JUN.2016 17:21:52

BW15MHz-1857.5MHz,Q16-75RB_LOW@OBW_13.62MHz@26dB_15.MHz



1.88
MHz

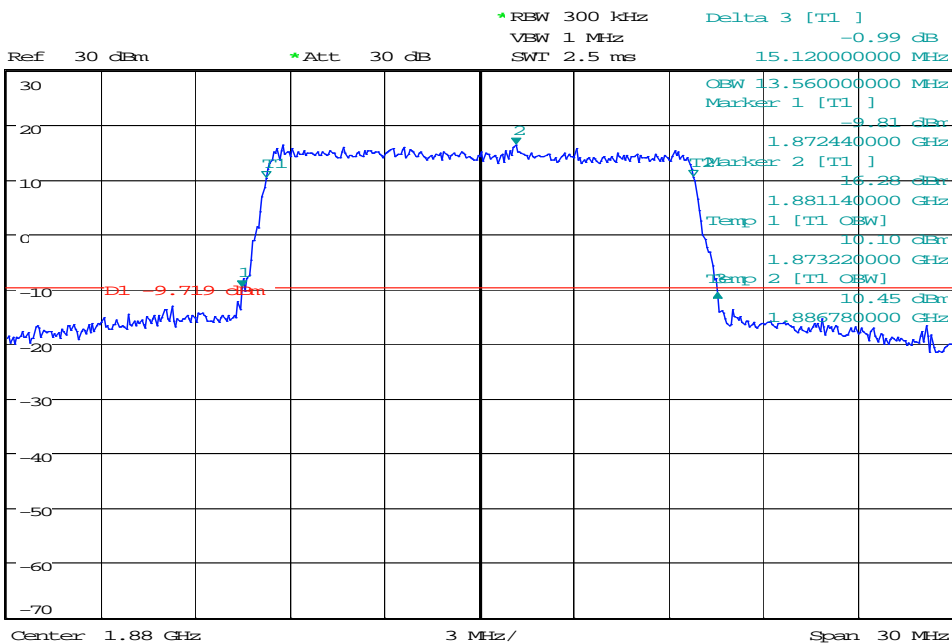


Date: 6.JUN.2016 17:23:06

BW15MHz-1880MHz,QPSK-75RB_LOW@OBW_13.56MHz@26dB_15.12MHz



1.88
MHz

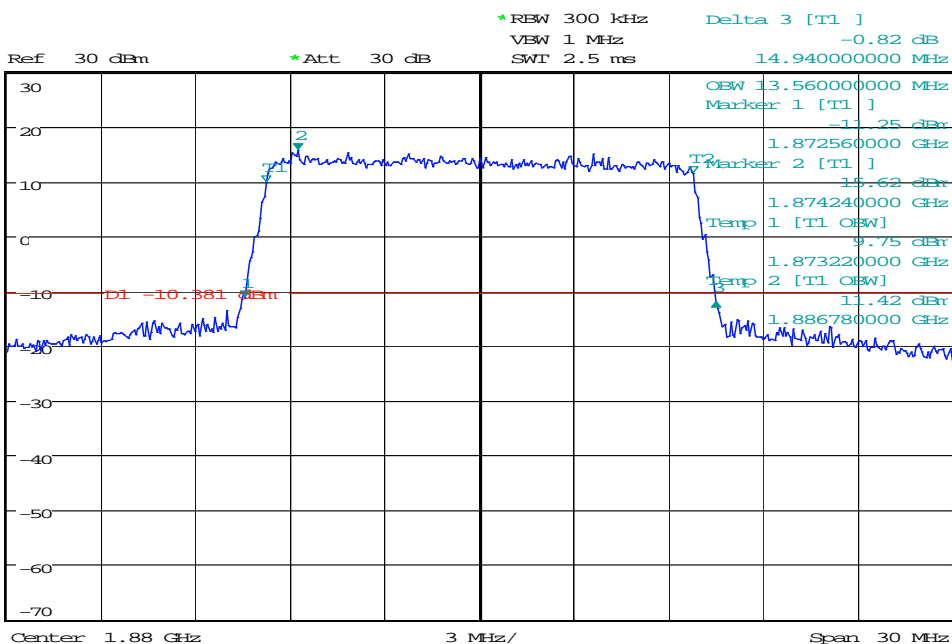


Date: 6.JUN.2016 17:23:52

BW15MHz-1880MHz,Q16-75RB_LOW@OBW_13.56MHz@26dB_14.94MHz



1.88
MHz

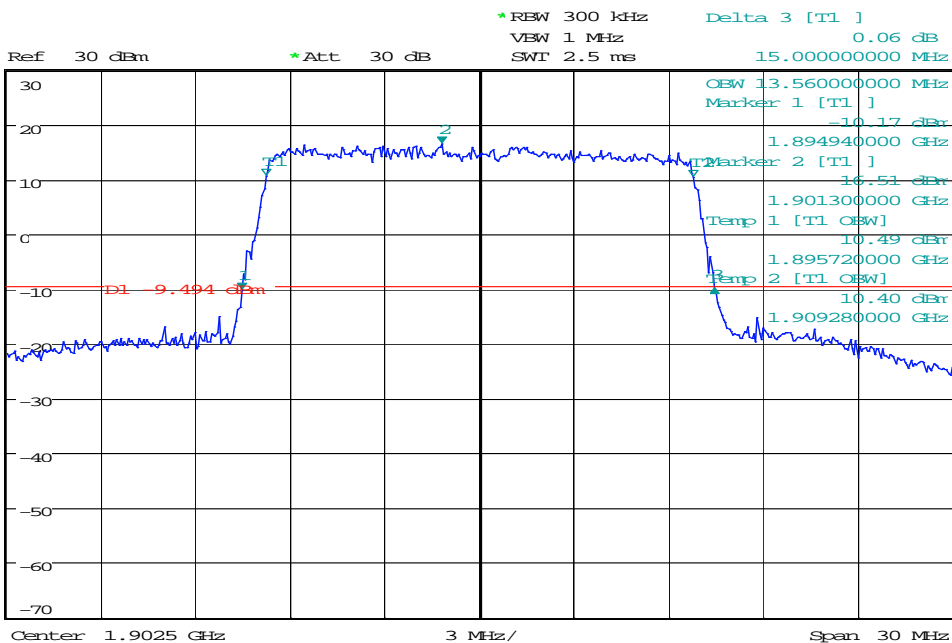


Date: 6.JUN.2016 17:24:29

BW15MHz-1902.5MHz,QPSK-75RB_LOW@OBW_13.56MHz@26dB_15.MHz



1.9025
MHz

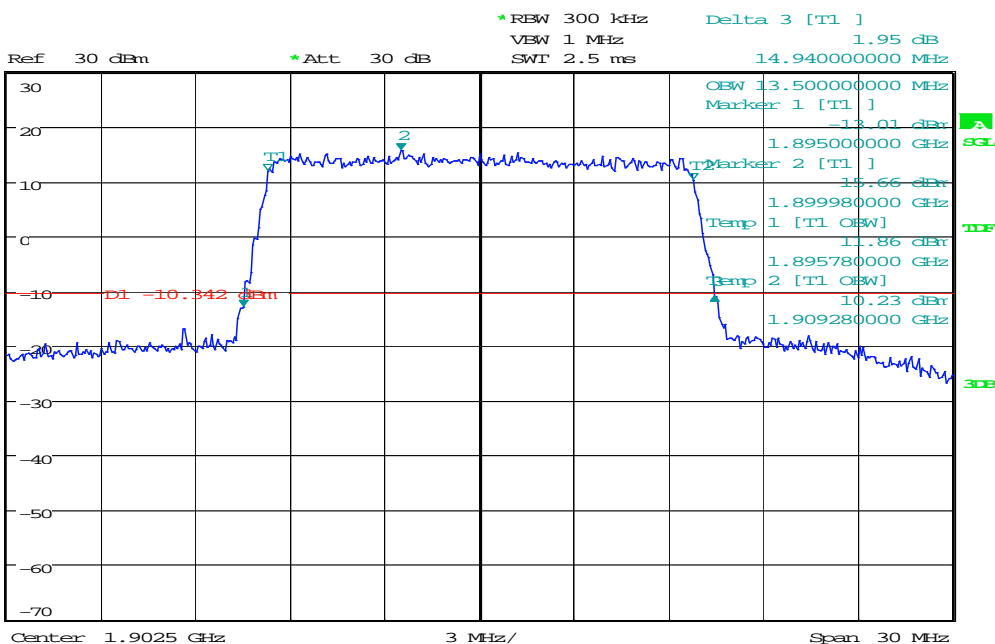


Date: 6.JUN.2016 17:25:35

BW15MHz-1902.5MHz,Q16-75RB_LOW@OBW_13.5MHz@26dB_14.94MHz



1.88
MHz

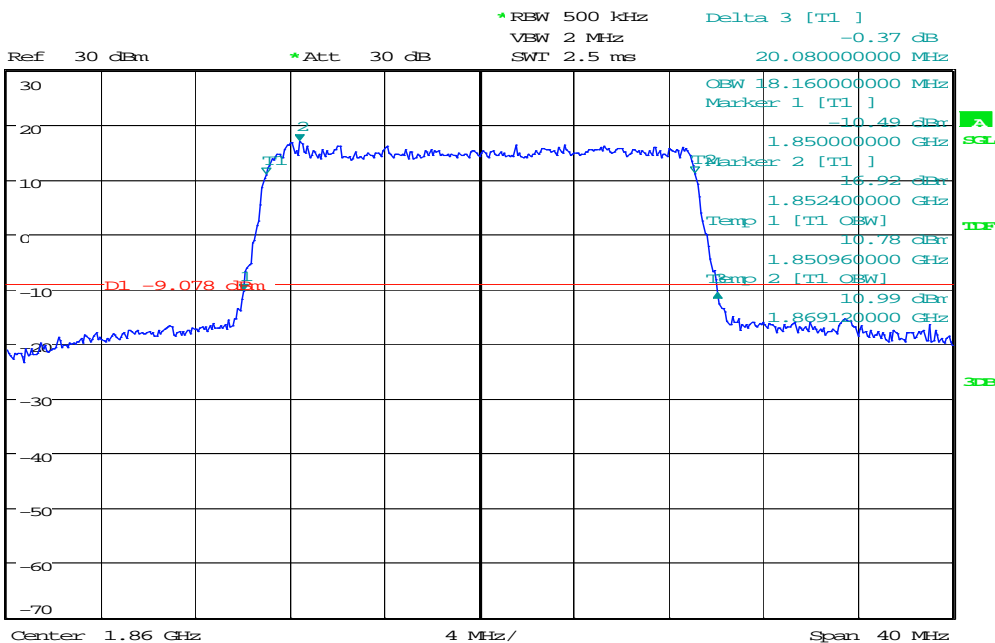


Date: 6.JUN.2016 17:26:38

BW20MHz-1860MHz,QPSK-100RB_LOW@OBW_18.16MHz@26dB_20.08MHz

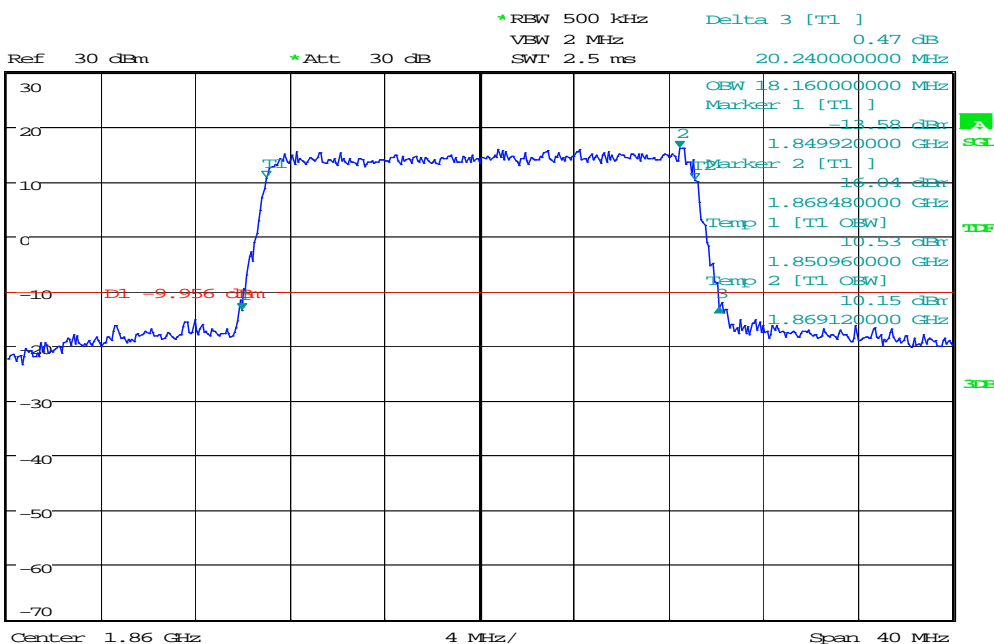


1.88
MHz



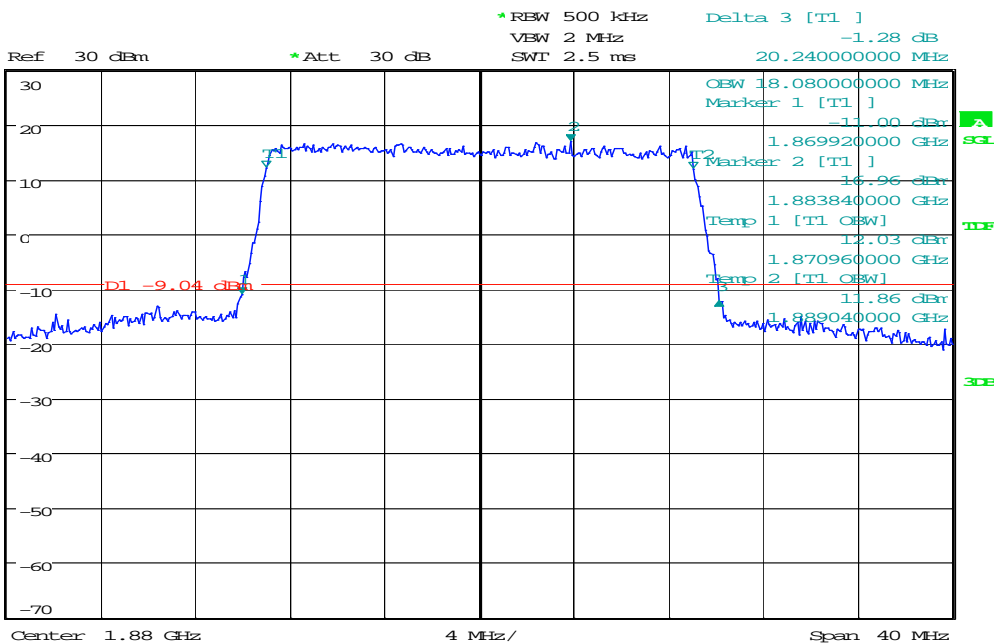
Date: 6.JUN.2016 17:31:53

BW20MHz-1860MHz,Q16-100RB_LOW@OBW_18.16MHz@26dB_20.24MHz



Date: 6.JUN.2016 17:33:07

BW20MHz-1880MHz,QPSK-100RB_LOW@OBW_18.08MHz@26dB_20.24MHz

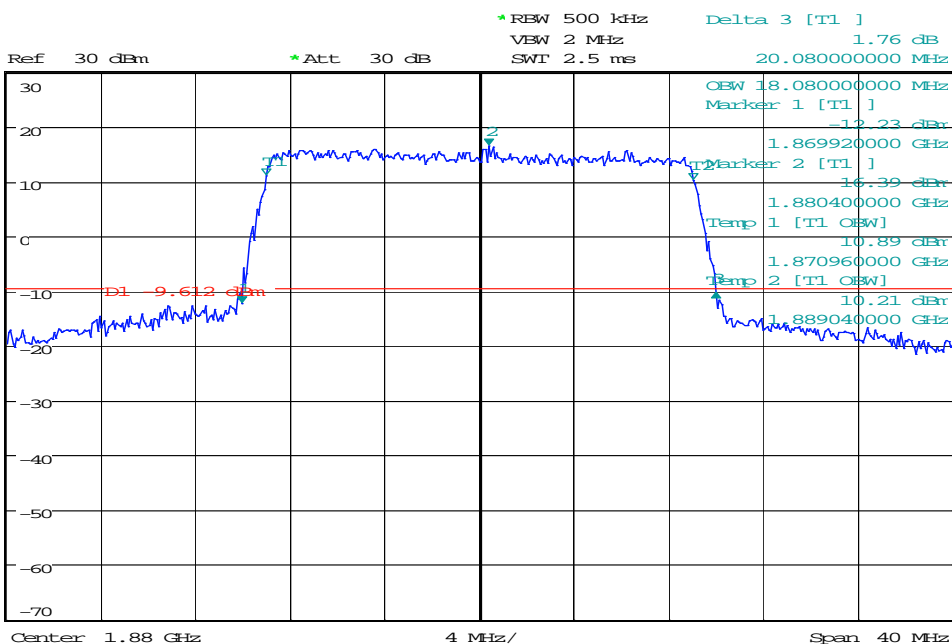


Date: 6.JUN.2016 17:33:53

BW20MHz-1880MHz,Q16-100RB_LOW@OBW_18.08MHz@26dB_20.08MHz



1.88 MHz

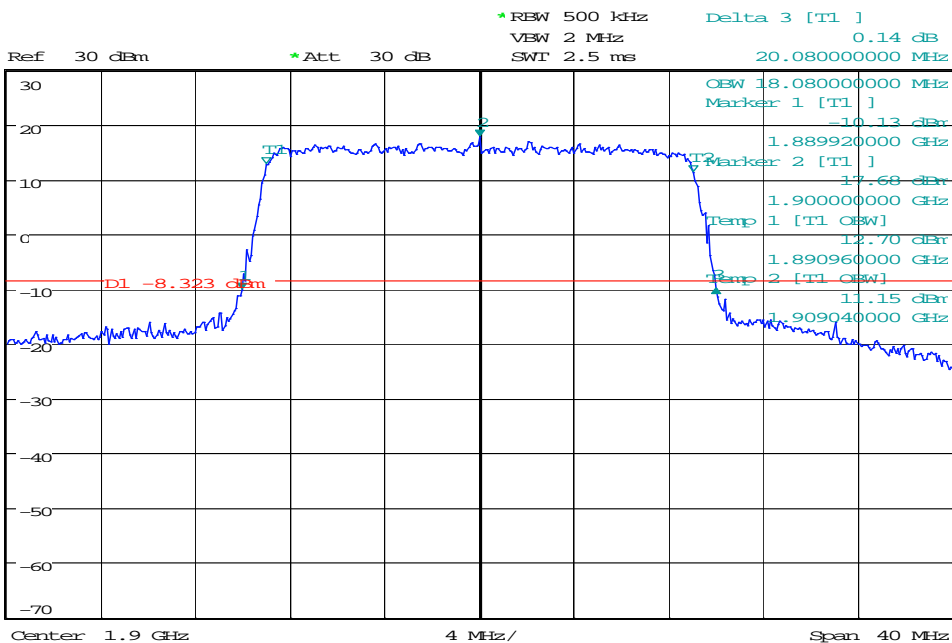


Date: 6.JUN.2016 17:34:31

BW20MHz-1900MHz,QPSK-100RB_LOW@OBW_18.08MHz@26dB_20.08MHz



1.9 GHz

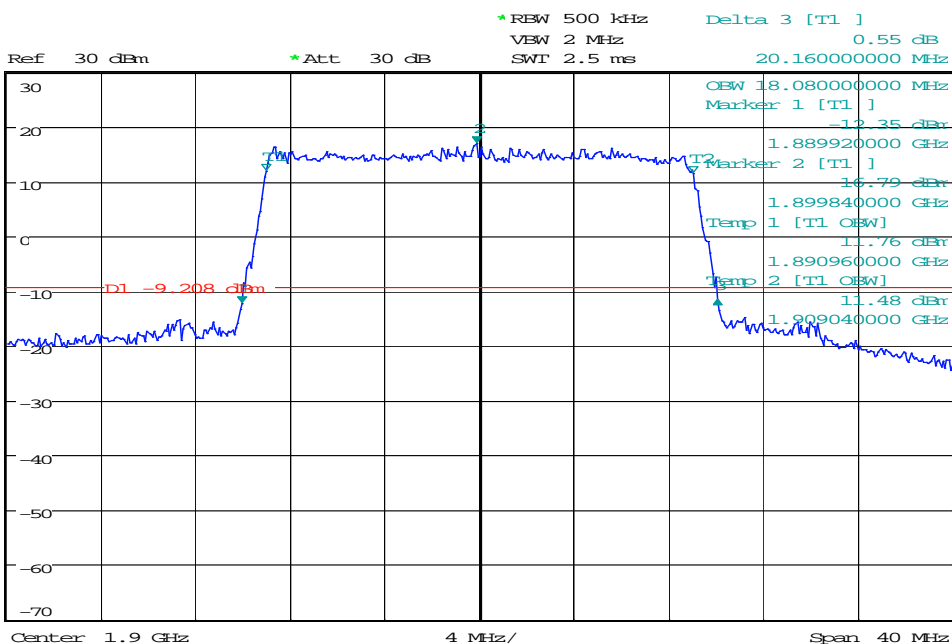


Date: 6.JUN.2016 17:35:38

BW20MHz-1900MHz,Q16-100RB_LOW@OBW_18.08MHz@26dB_20.16MHz



1.88
MHz



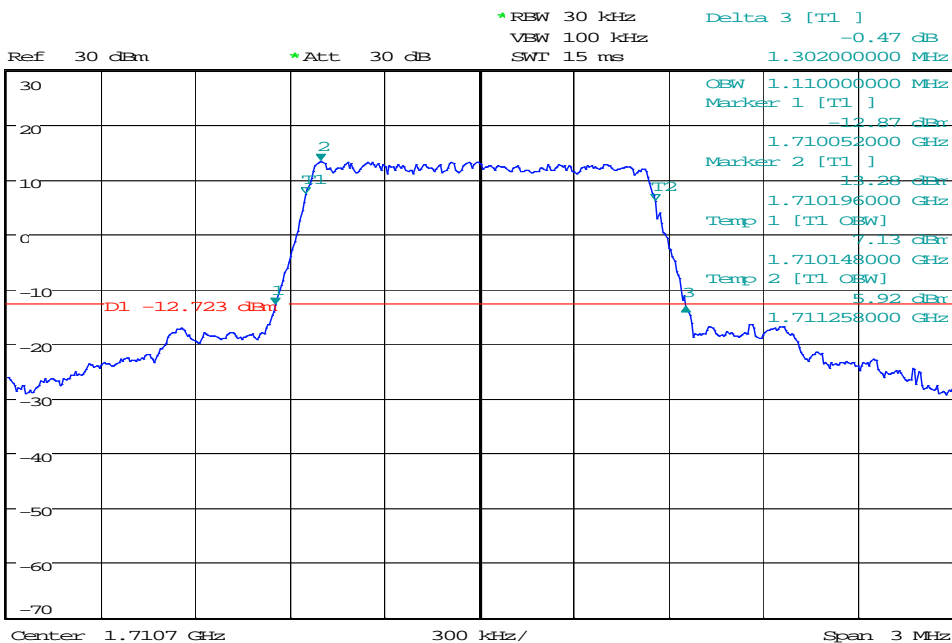
Date: 6.JUN.2016 17:36:51

BAND 4@Bandwidth

BW1.4MHz-1710.7MHz,QPSK-6RB_LOW@OBW_1.11MHz@26dB_1.302MHz

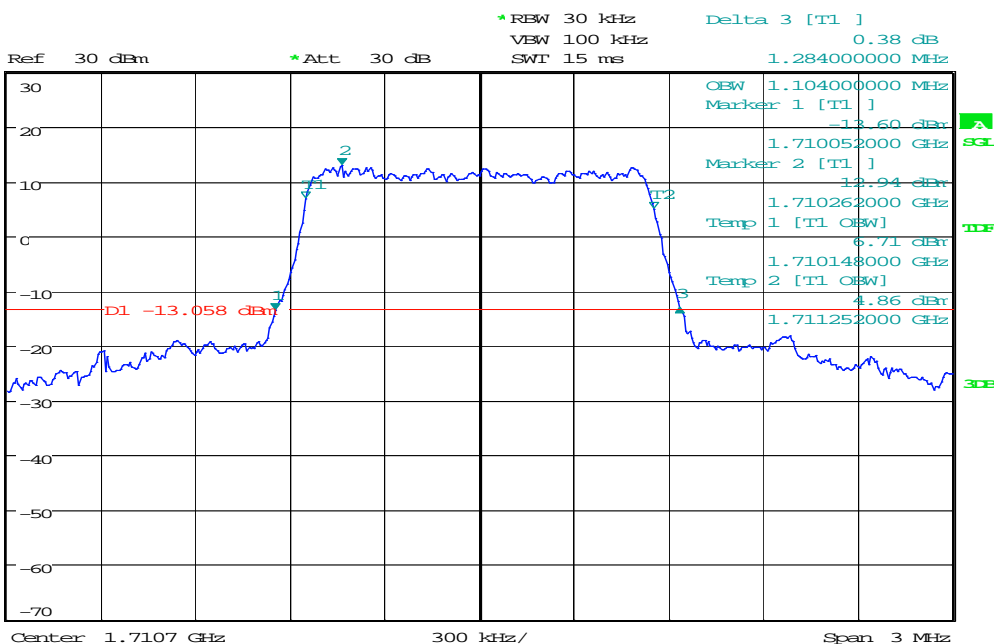


1.88
MHz



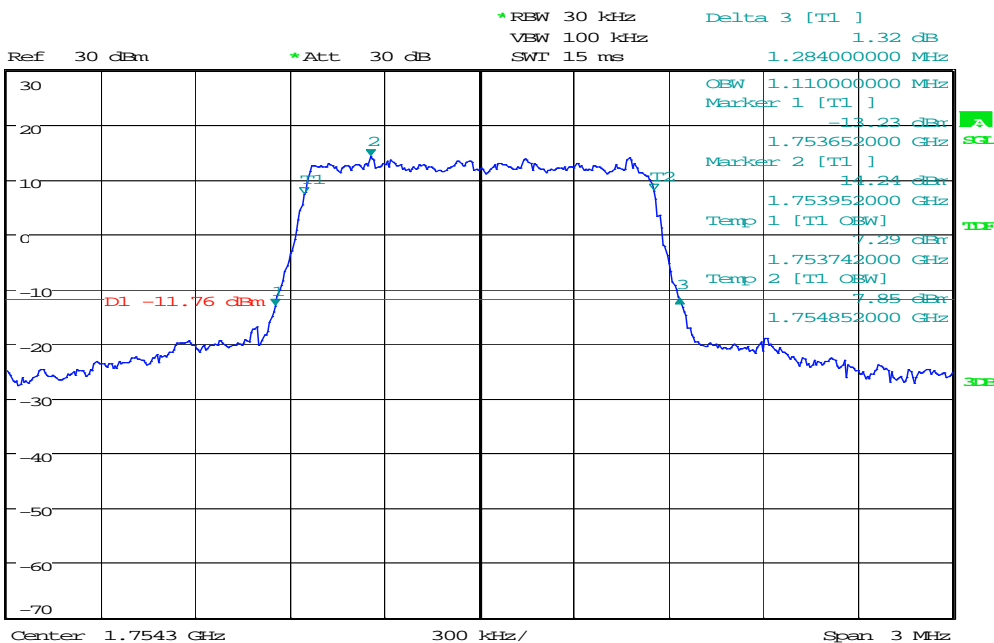
Date: 6.JUN.2016 17:50:25

BW1.4MHz-1710.7MHz,Q16-6RB_LOW@OBW_1.104MHz@26dB_1.284MHz



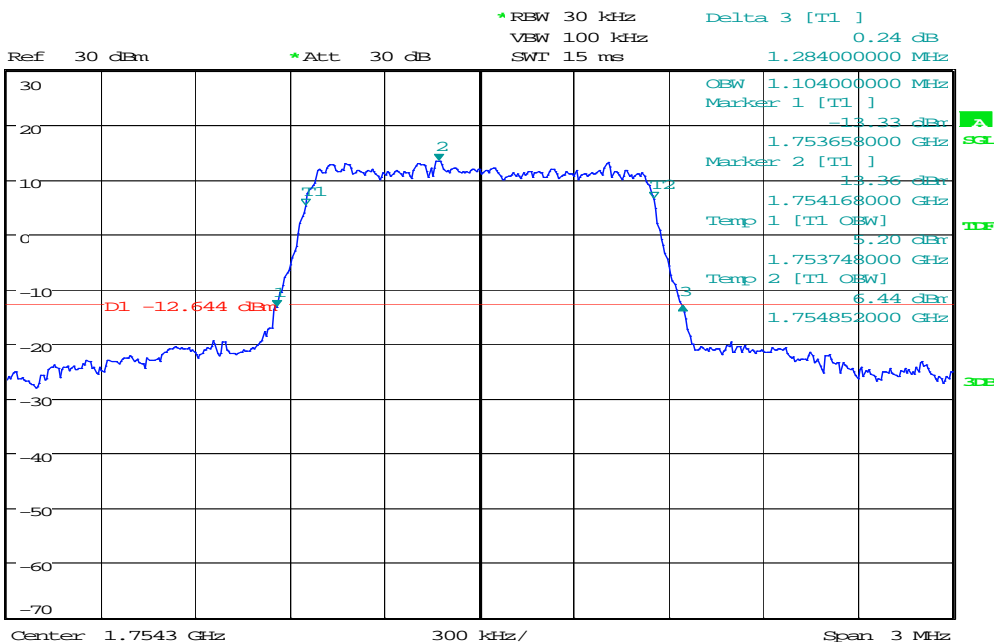
Date: 6.JUN.2016 17:52:09

BW1.4MHz-1754.3MHz,QPSK-6RB_LOW@OBW_1.11MHz@26dB_1.284MHz



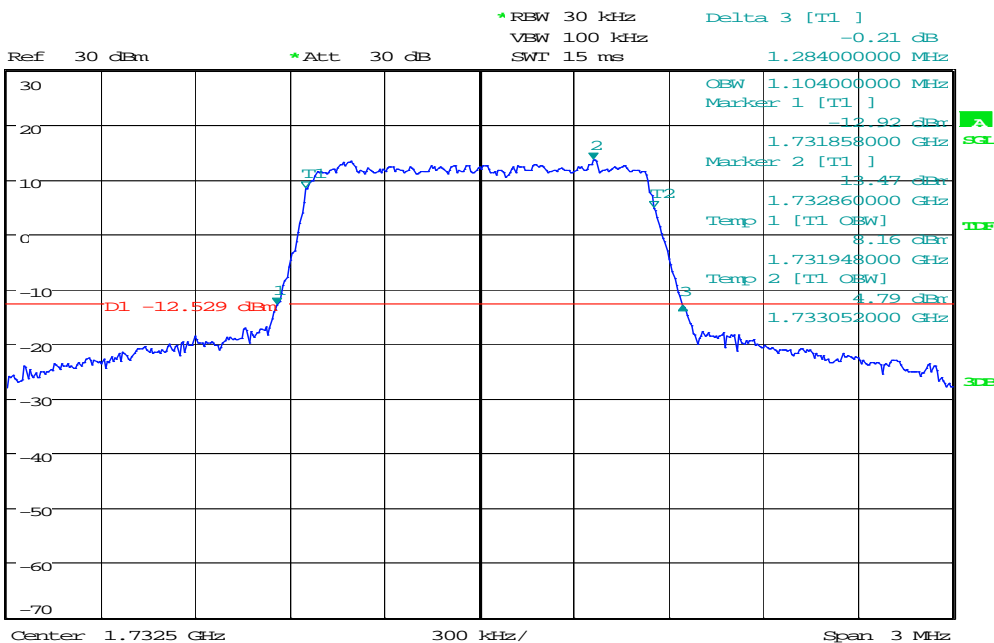
Date: 6.JUN.2016 17:53:42

BW1.4MHz-1754.3MHz,Q16-6RB_LOW@OBW_1.104MHz@26dB_1.284MHz



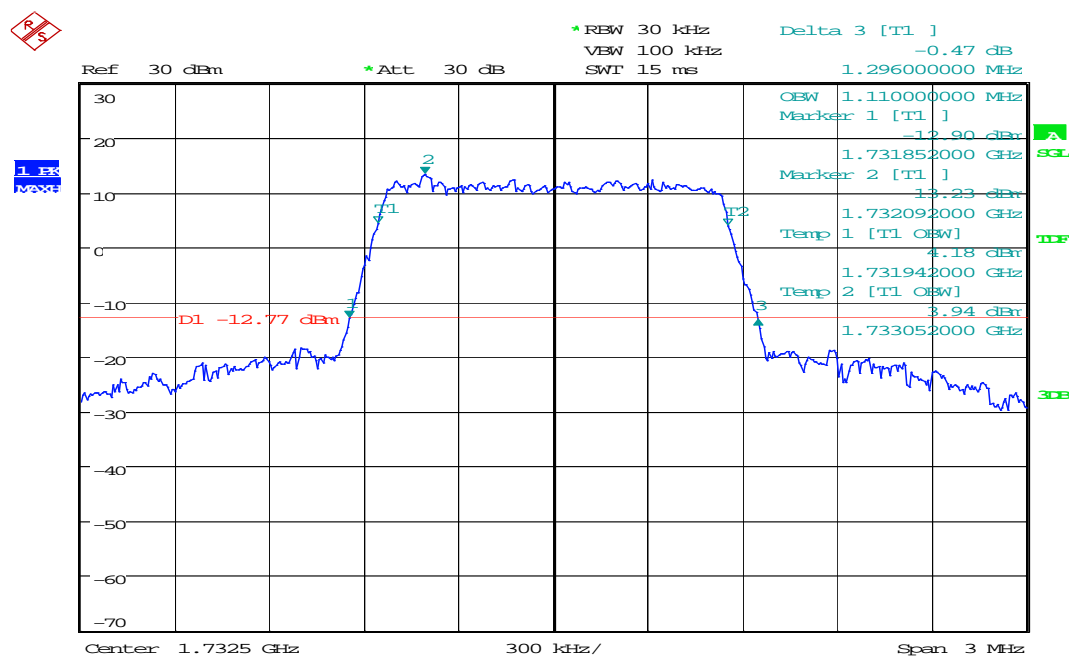
Date: 6.JUN.2016 17:55:11

BW1.4MHz-1732.5MHz,QPSK-6RB_LOW@OBW_1.104MHz@26dB_1.284MHz



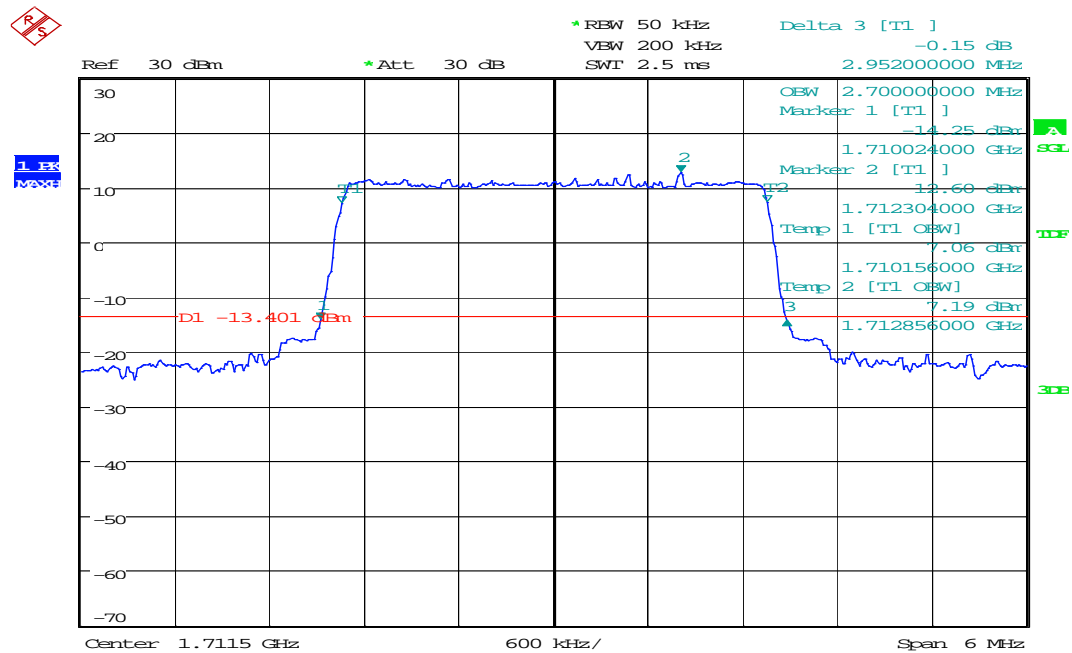
Date: 6.JUN.2016 17:56:04

BW1.4MHz-1732.5MHz,Q16-6RB_LOW@OBW_1.11MHz@26dB_1.296MHz



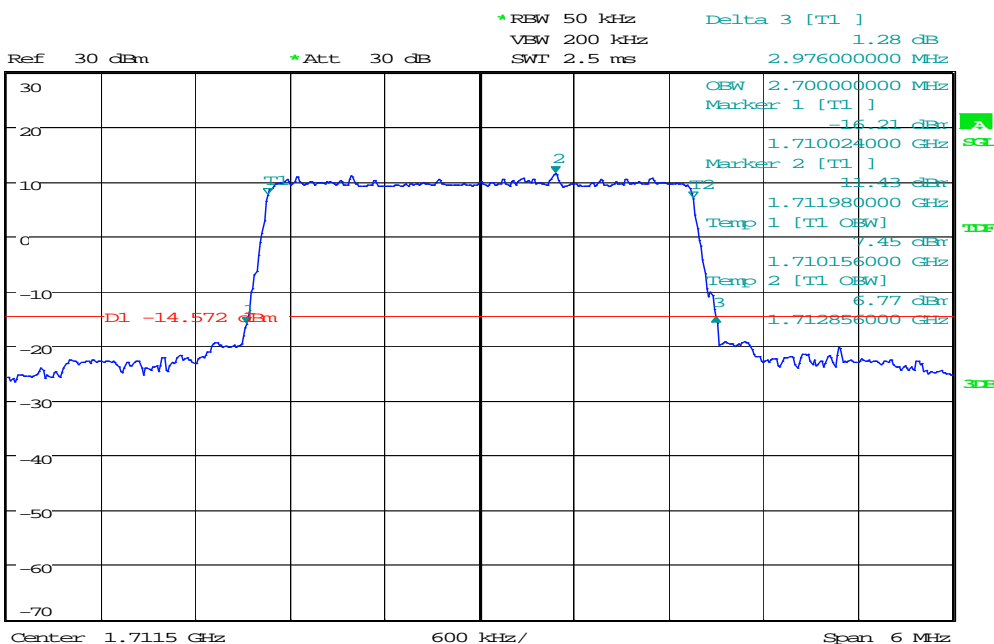
Date: 6.JUN.2016 17:56:47

BW3MHz-1711.5MHz,QPSK-15RB_LOW@OBW_2.7MHz@26dB_2.952MHz



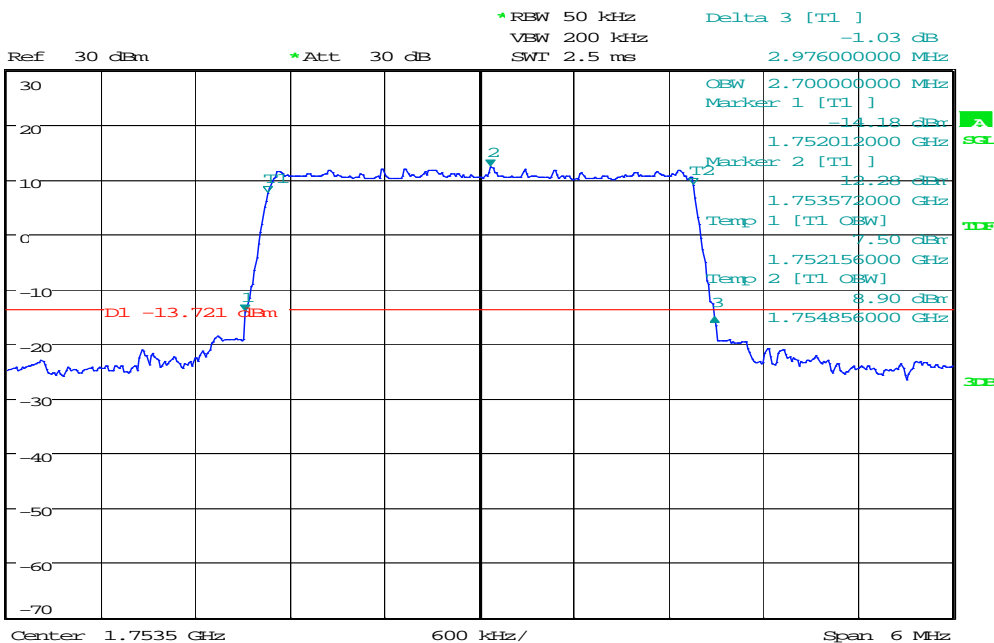
Date: 6.JUN.2016 17:58:13

BW3MHz-1711.5MHz,Q16-15RB_LOW@OBW_2.7MHz@26dB_2.976MHz



Date: 6.JUN.2016 18:00:51

BW3MHz-1753.5MHz,QPSK-15RB_LOW@OBW_2.7MHz@26dB_2.976MHz

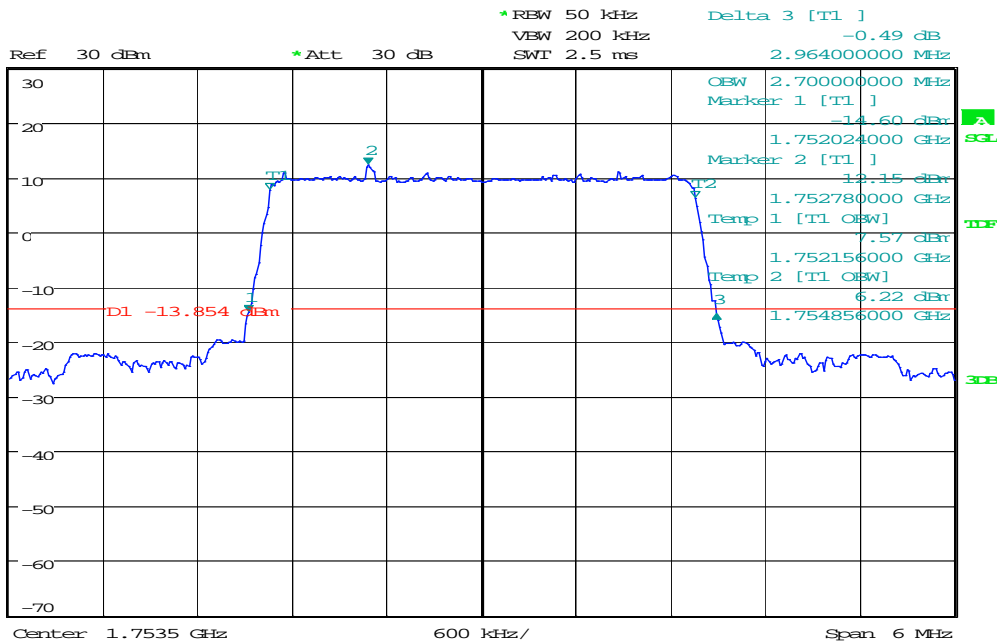


Date: 6.JUN.2016 18:02:03

BW3MHz-1753.5MHz,Q16-15RB_LOW@OBW_2.7MHz@26dB_2.964MHz



1.88
N9982

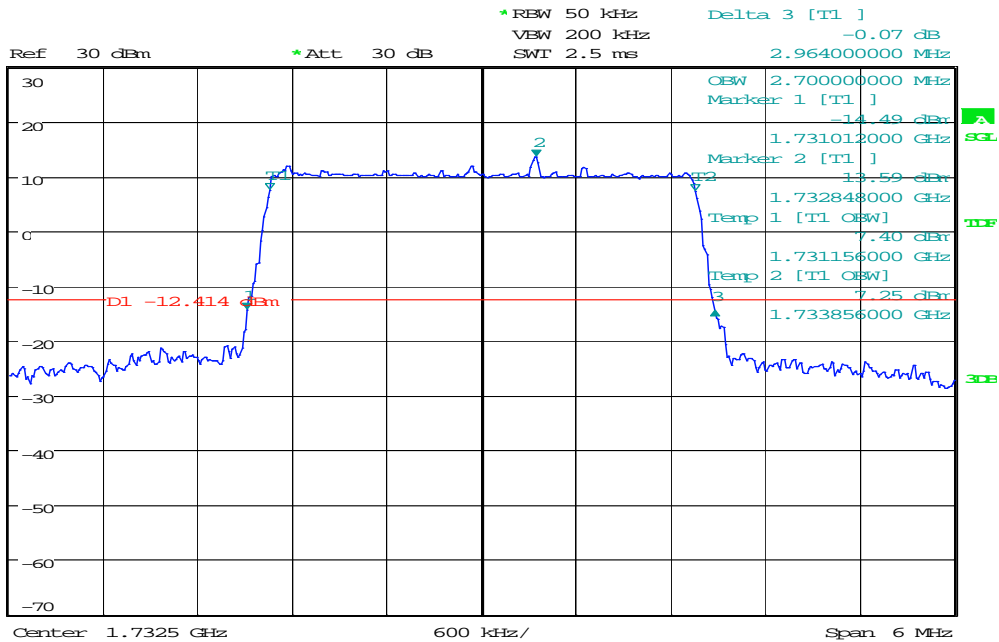


Date: 6.JUN.2016 18:03:12

BW3MHz-1732.5MHz,QPSK-15RB_LOW@OBW_2.7MHz@26dB_2.964MHz

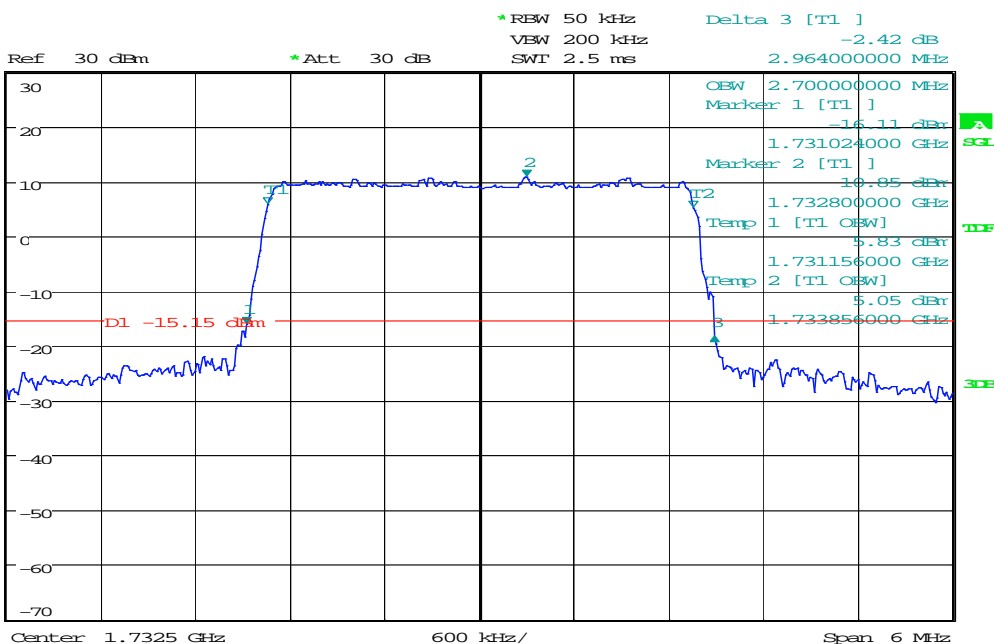


1.88
N9982



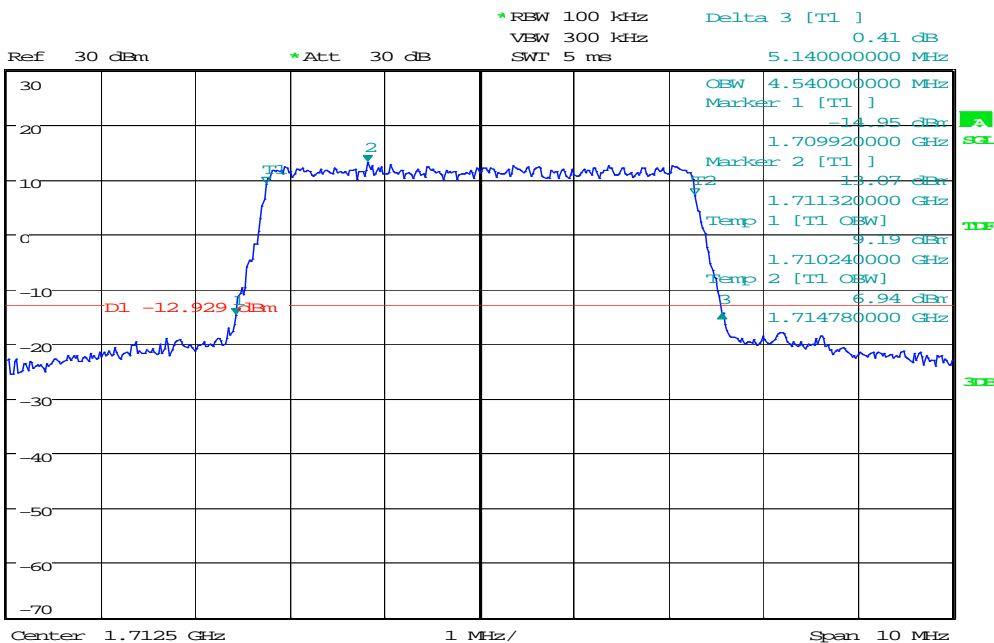
Date: 6.JUN.2016 18:03:54

BW3MHz-1732.5MHz,Q16-15RB_LOW@OBW_2.7MHz@26dB_2.964MHz



Date: 6.JUN.2016 18:04:29

BW5MHz-1712.5MHz,QPSK-25RB_LOW@OBW_4.54MHz@26dB_5.14MHz

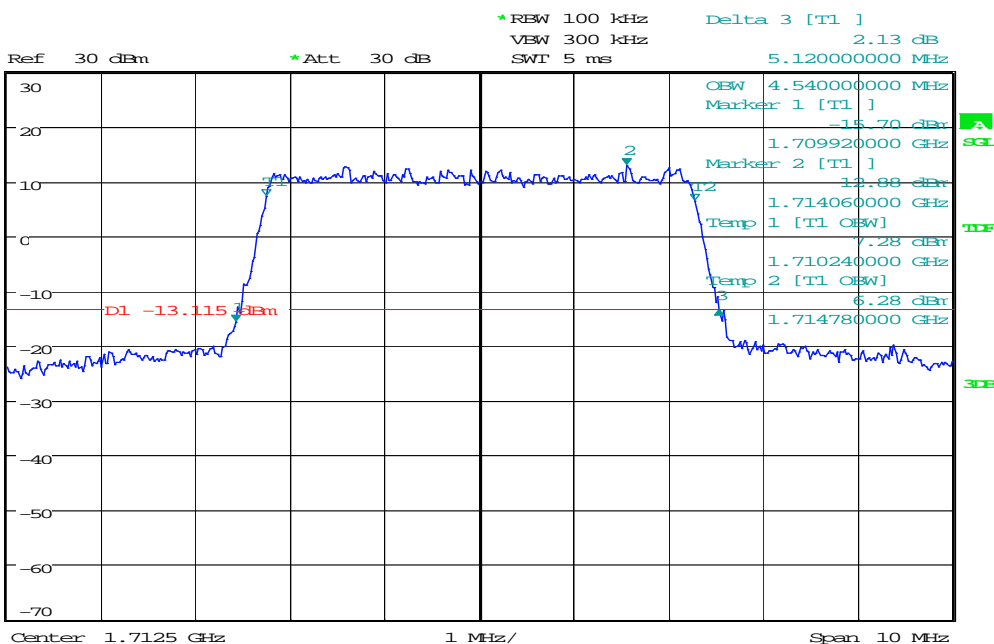


Date: 6.JUN.2016 18:05:57

BW5MHz-1712.5MHz,Q16-25RB_LOW@OBW_4.54MHz@26dB_5.12MHz



1.13
Noise

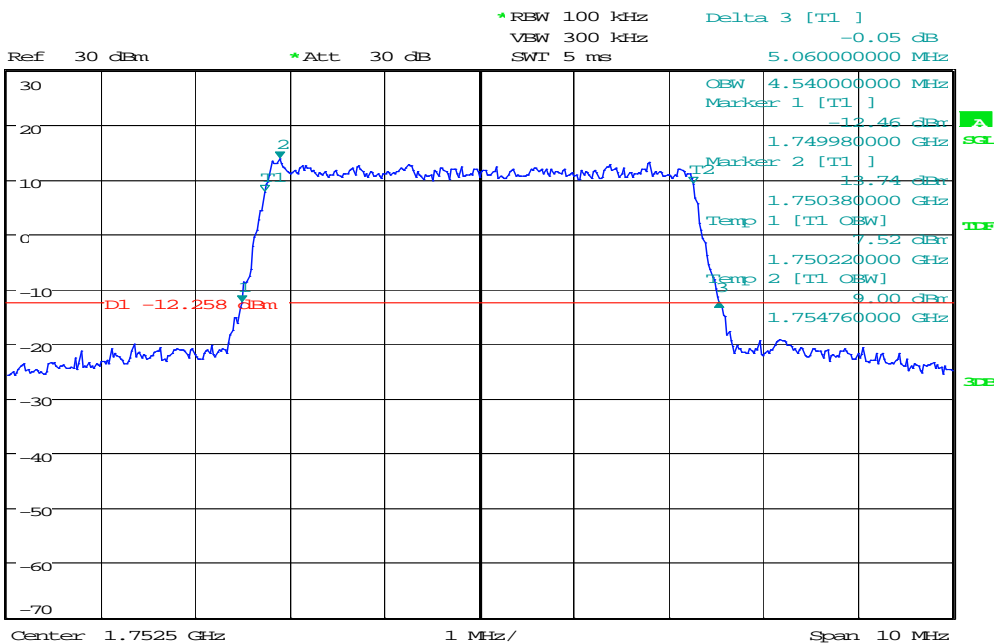


Date: 6.JUN.2016 18:07:32

BW5MHz-1752.5MHz,QPSK-25RB_LOW@OBW_4.54MHz@26dB_5.06MHz

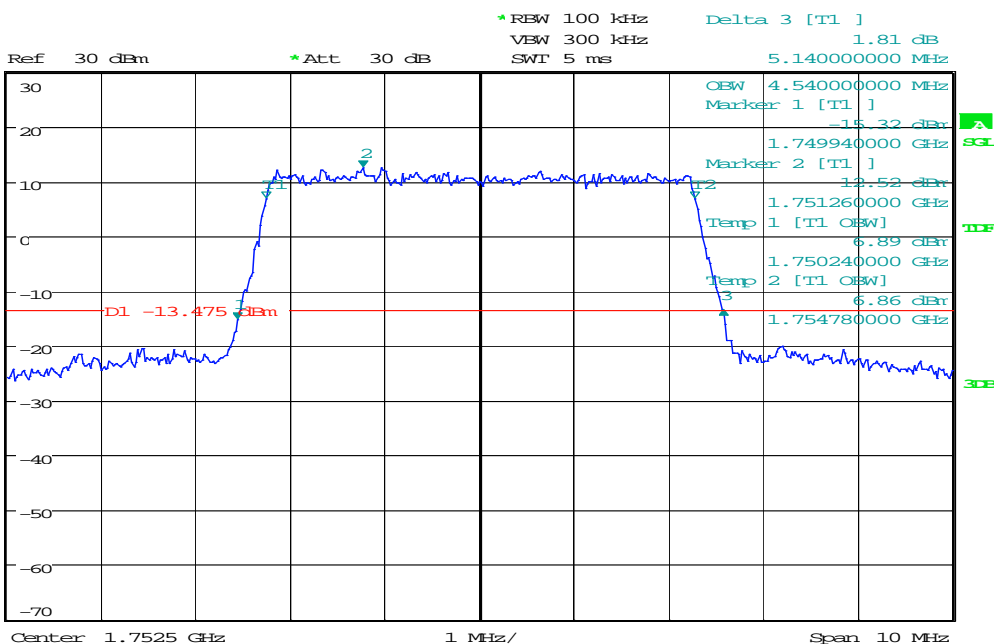


1.13
Noise



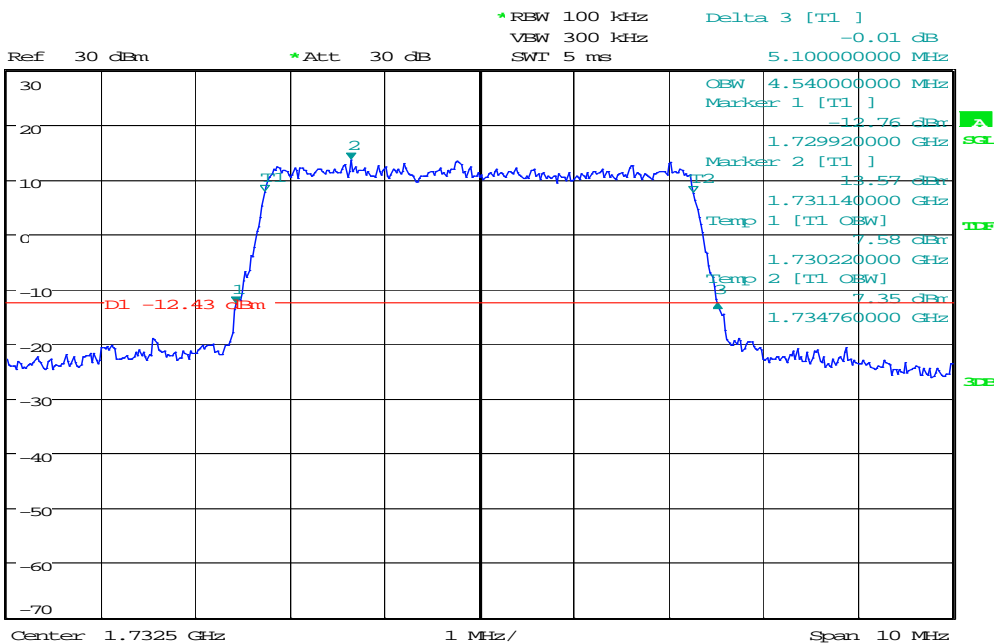
Date: 6.JUN.2016 18:09:06

BW5MHz-1752.5MHz,Q16-25RB_LOW@OBW_4.54MHz@26dB_5.14MHz



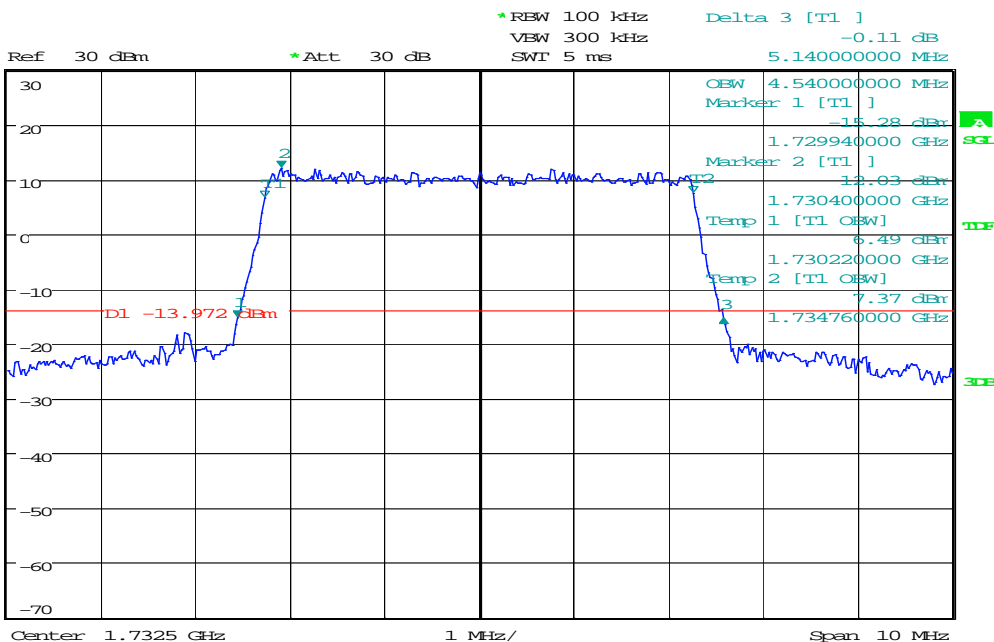
Date: 6.JUN.2016 18:10:31

BW5MHz-1732.5MHz,QPSK-25RB_LOW@OBW_4.54MHz@26dB_5.1MHz



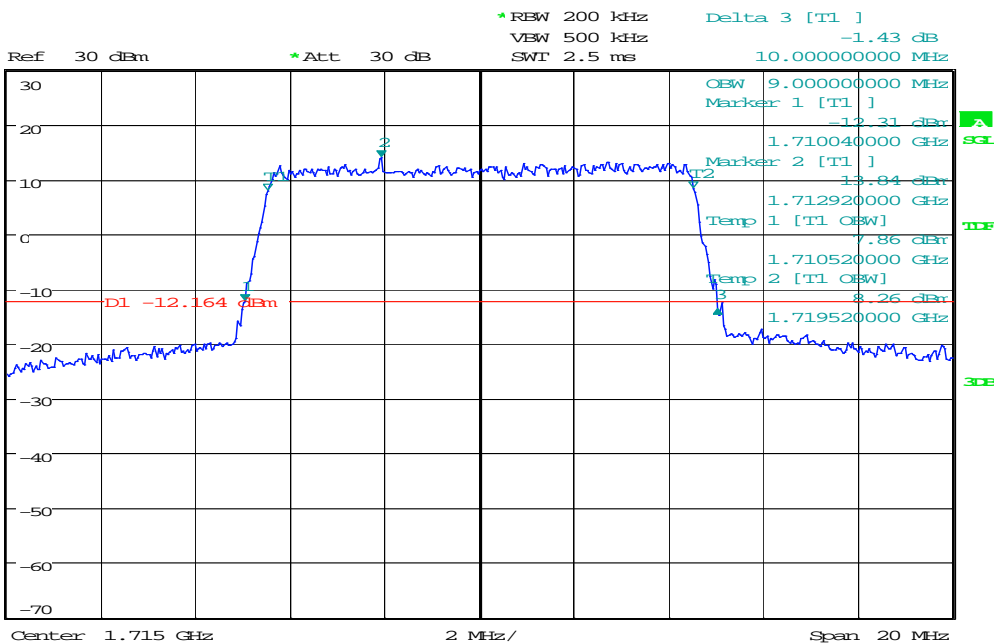
Date: 6.JUN.2016 18:11:18

BW5MHz-1732.5MHz,Q16-25RB_LOW@OBW_4.54MHz@26dB_5.14MHz



Date: 6.JUN.2016 18:11:54

BW10MHz-1715MHz,QPSK-50RB_LOW@OBW_9.MHz@26dB_10.MHz

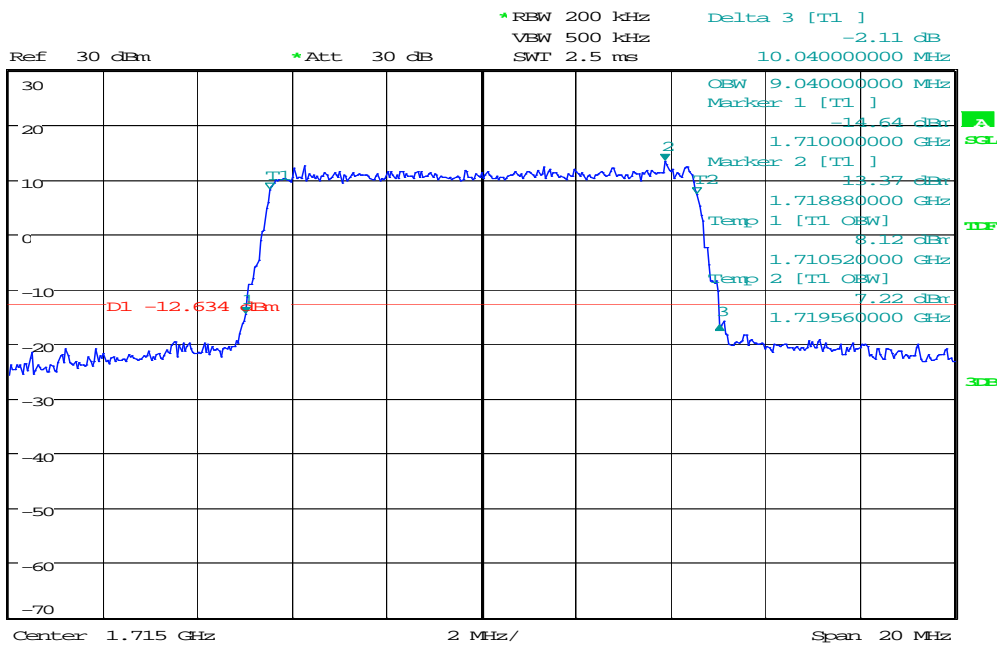


Date: 6.JUN.2016 18:13:12

BW10MHz-1715MHz,Q16-50RB_LOW@OBW_9.04MHz@26dB_10.04MHz



1. EB
Noise

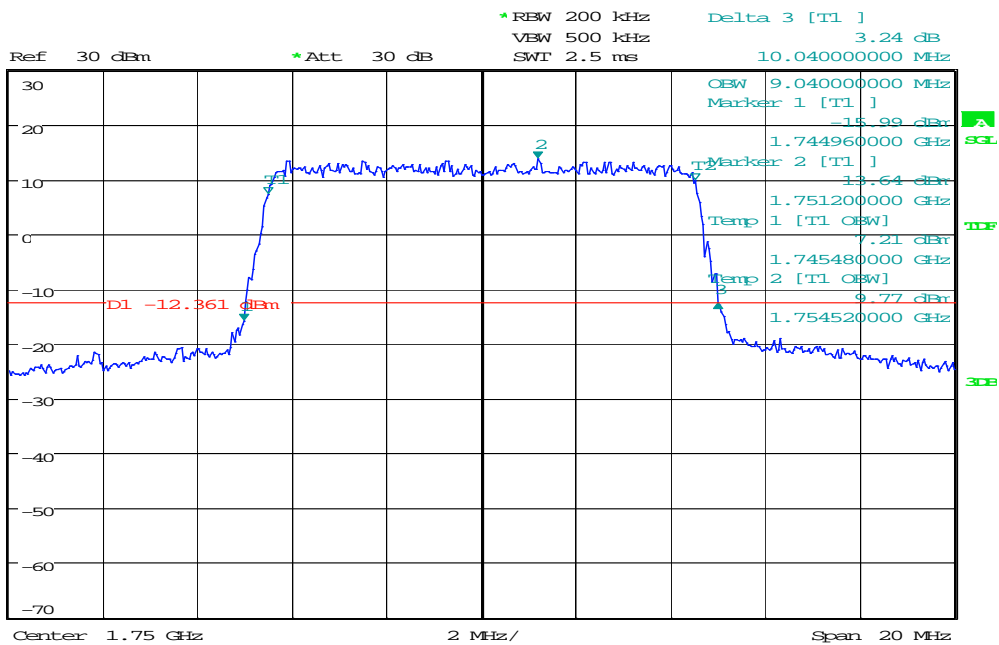


Date: 6.JUN.2016 18:14:37

BW10MHz-1750MHz,QPSK-50RB_LOW@OBW_9.04MHz@26dB_10.04MHz

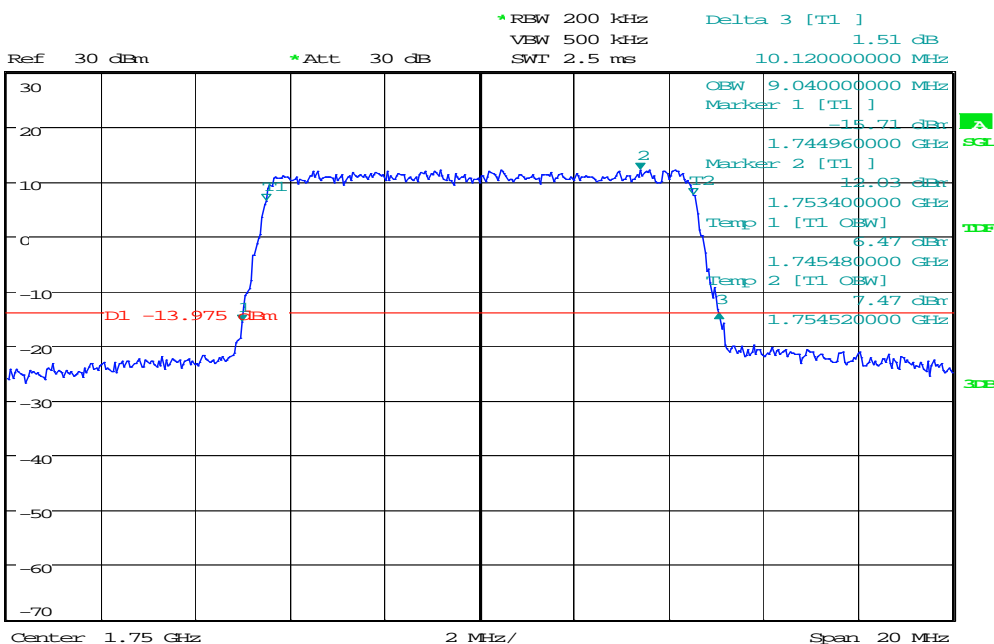


1. EB
Noise



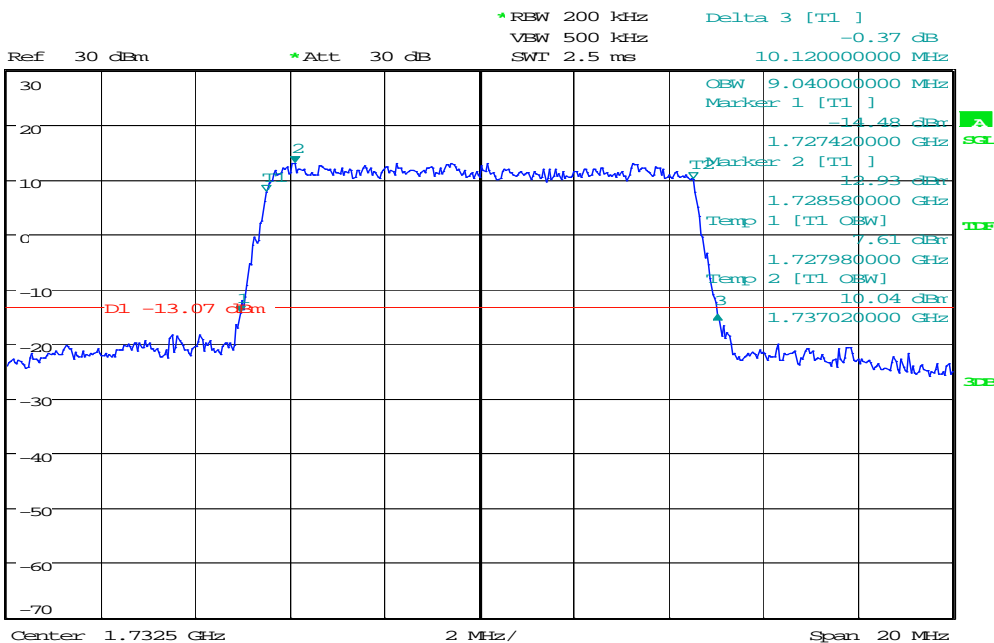
Date: 6.JUN.2016 18:15:50

BW10MHz-1750MHz,Q16-50RB_LOW@OBW_9.04MHz@26dB_10.12MHz



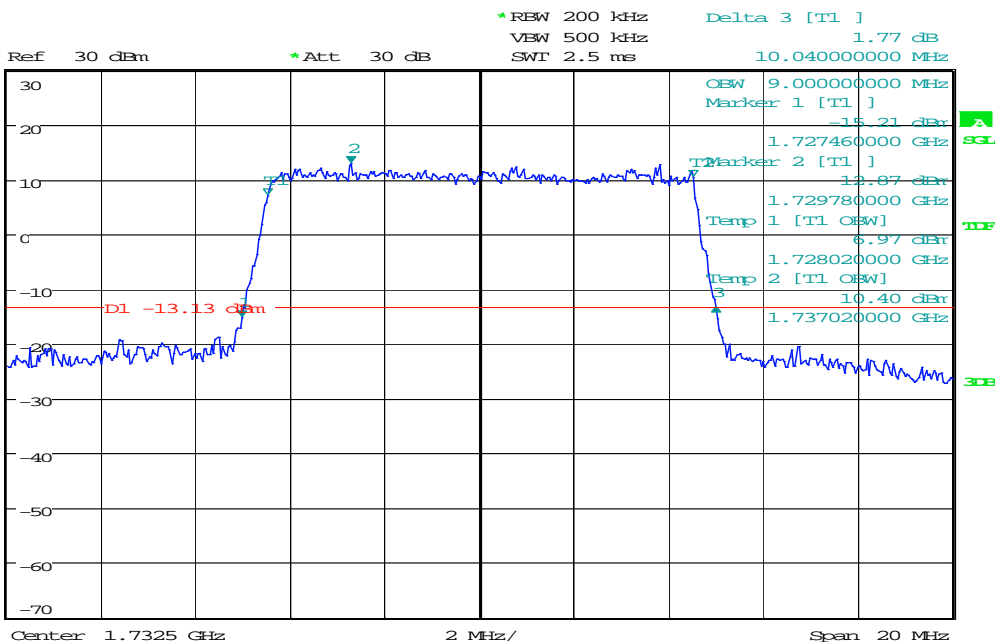
Date: 6.JUN.2016 18:17:02

BW10MHz-1732.5MHz,QPSK-50RB_LOW@OBW_9.04MHz@26dB_10.12MHz



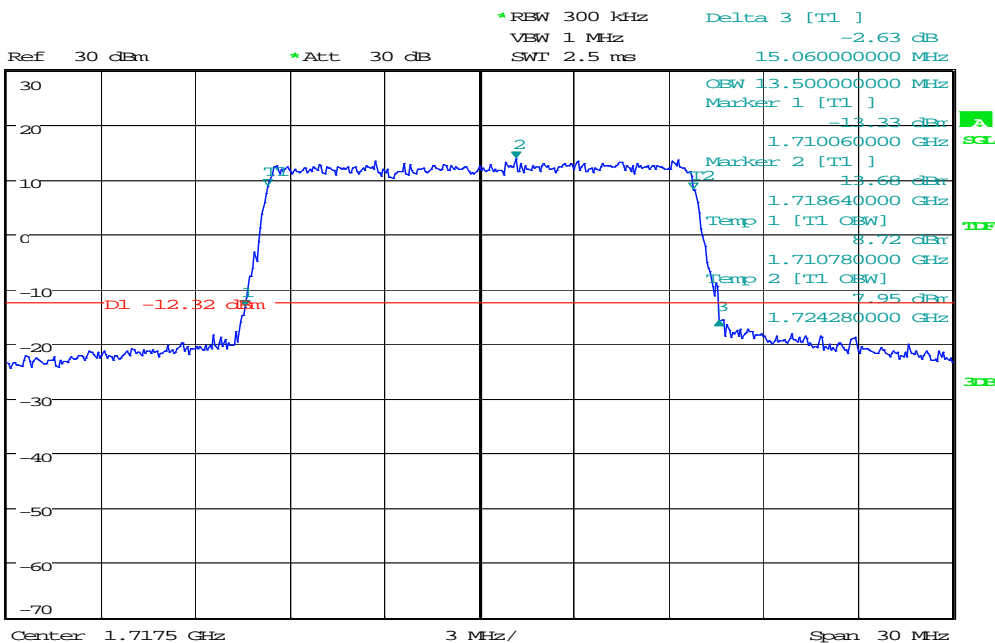
Date: 6.JUN.2016 18:17:45

BW10MHz-1732.5MHz,Q16-50RB_LOW@OBW_9.MHz@26dB_10.04MHz



Date: 6.JUN.2016 18:18:22

BW15MHz-1717.5MHz,QPSK-75RB_LOW@OBW_13.5MHz@26dB_15.06MHz

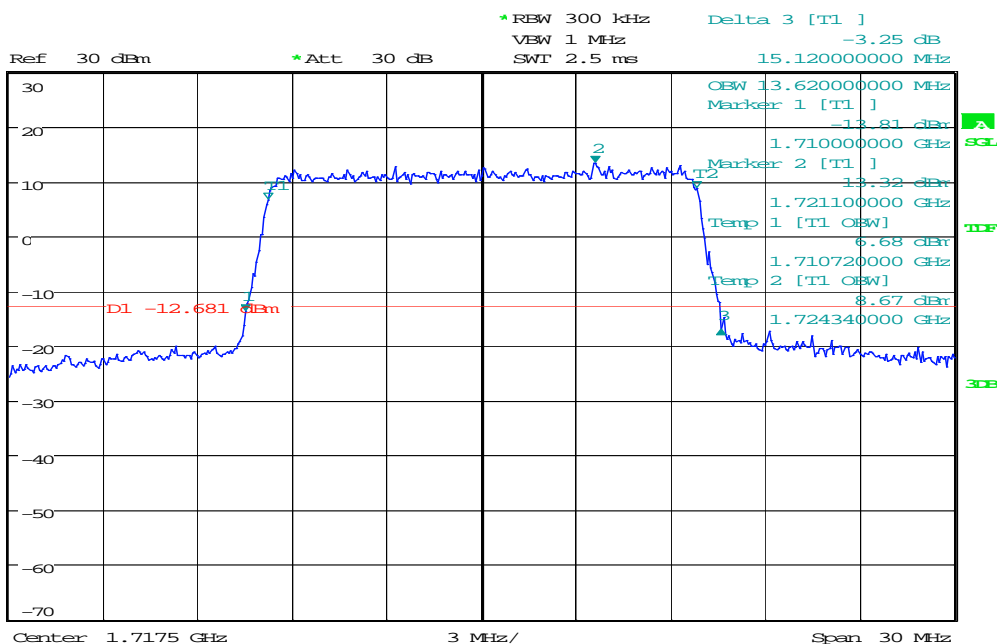


Date: 6.JUN.2016 18:19:29

BW15MHz-1717.5MHz,Q16-75RB_LOW@OBW_13.62MHz@26dB_15.12MHz



1.13
Noise

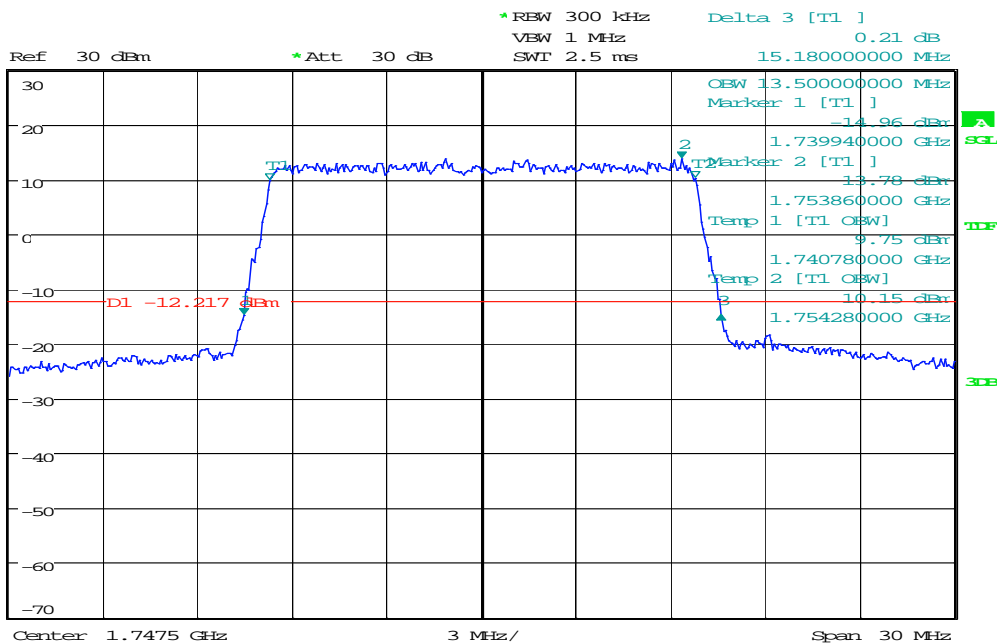


Date: 6.JUN.2016 18:20:41

BW15MHz-1747.5MHz,QPSK-75RB_LOW@OBW_13.5MHz@26dB_15.18MHz



1.13
Noise

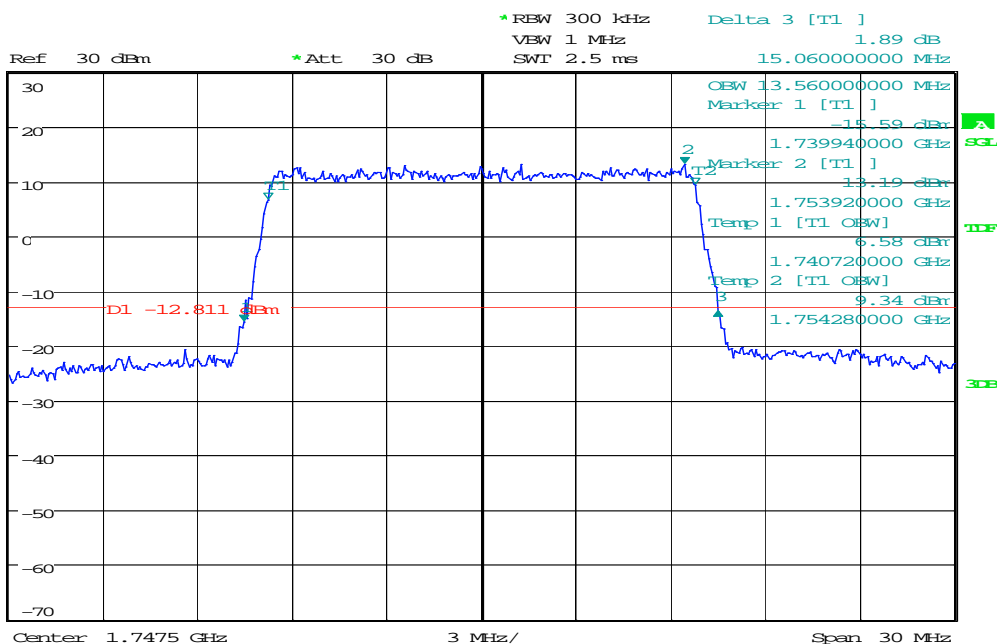


Date: 6.JUN.2016 18:21:54

BW15MHz-1747.5MHz,Q16-75RB_LOW@OBW_13.56MHz@26dB_15.06MHz



1.88
Noise

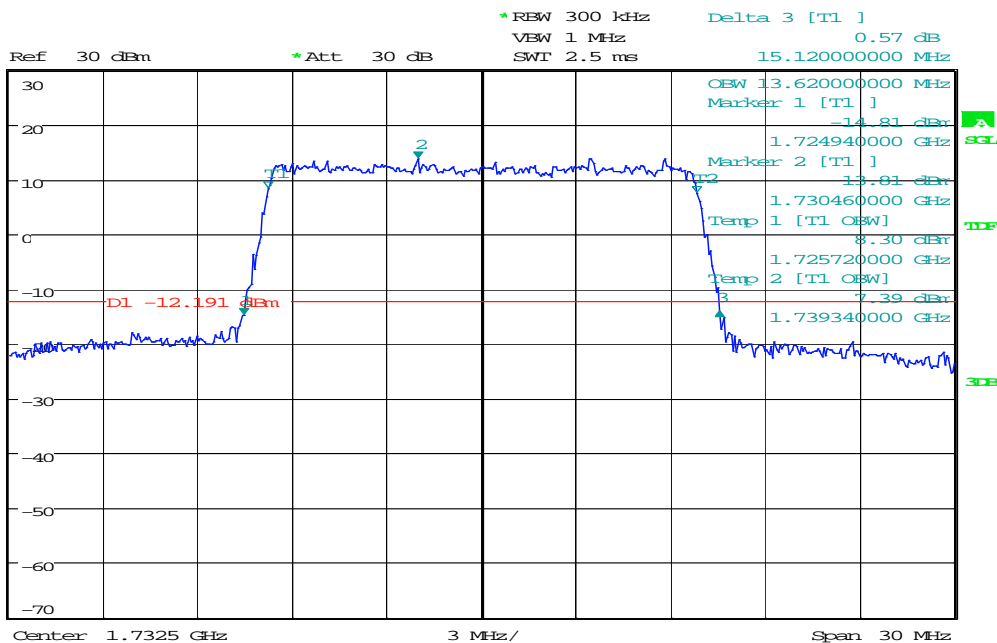


Date: 6.JUN.2016 18:22:57

BW15MHz-1732.5MHz,QPSK-75RB_LOW@OBW_13.62MHz@26dB_15.12MHz

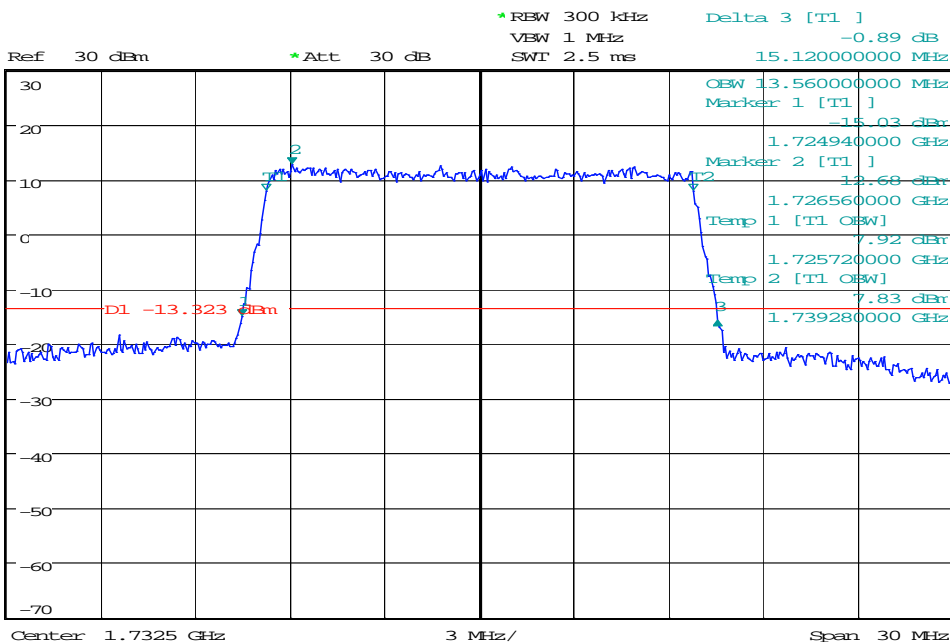


1.88
Noise



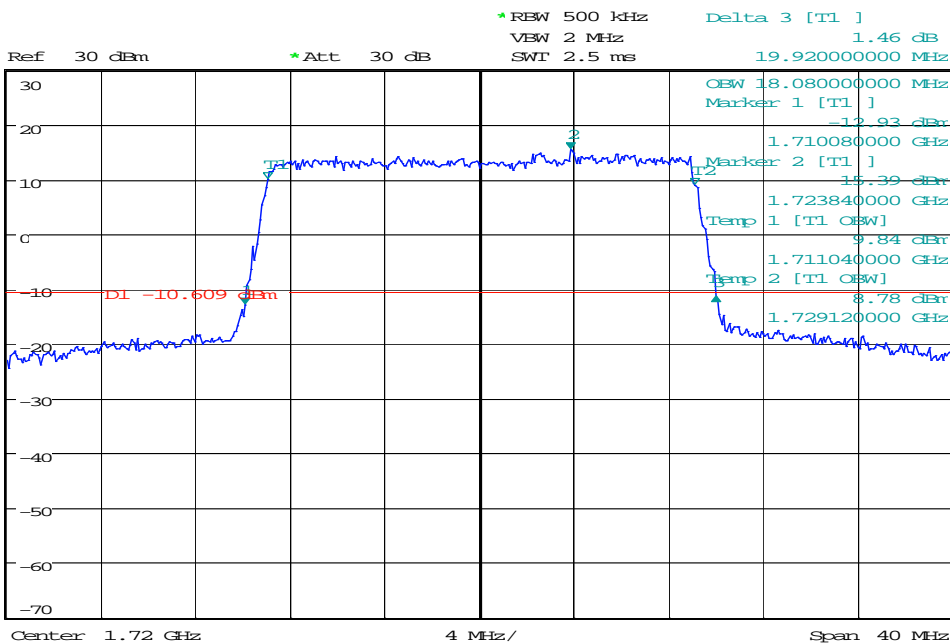
Date: 6.JUN.2016 18:23:34

BW15MHz-1732.5MHz,Q16-75RB_LOW@OBW_13.56MHz@26dB_15.12MHz



Date: 6.JUN.2016 18:24:06

BW20MHz-1720MHz,QPSK-100RB_LOW@OBW_18.08MHz@26dB_19.92MHz

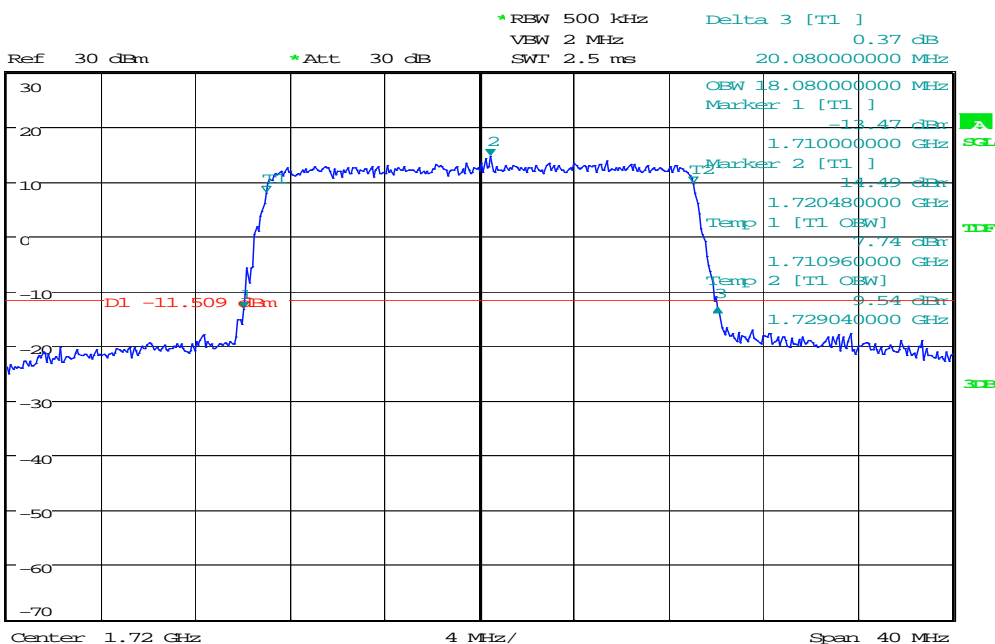


Date: 6.JUN.2016 18:25:02

BW20MHz-1720MHz,Q16-100RB_LOW@OBW_18.08MHz@26dB_20.08MHz



1.18
Noise

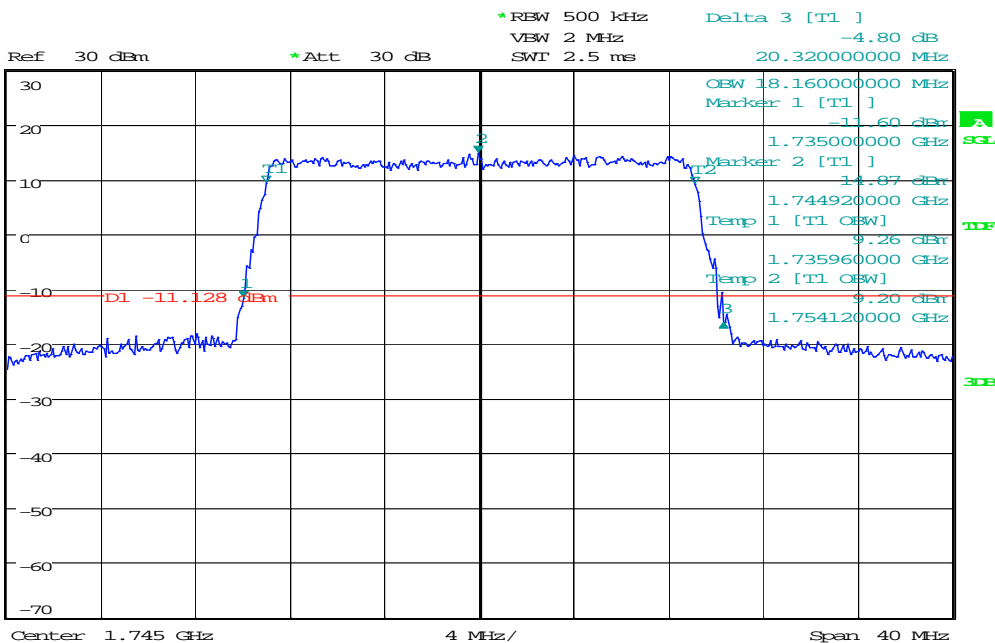


Date: 6.JUN.2016 18:26:05

BW20MHz-1745MHz,QPSK-100RB_LOW@OBW_18.16MHz@26dB_20.32MHz

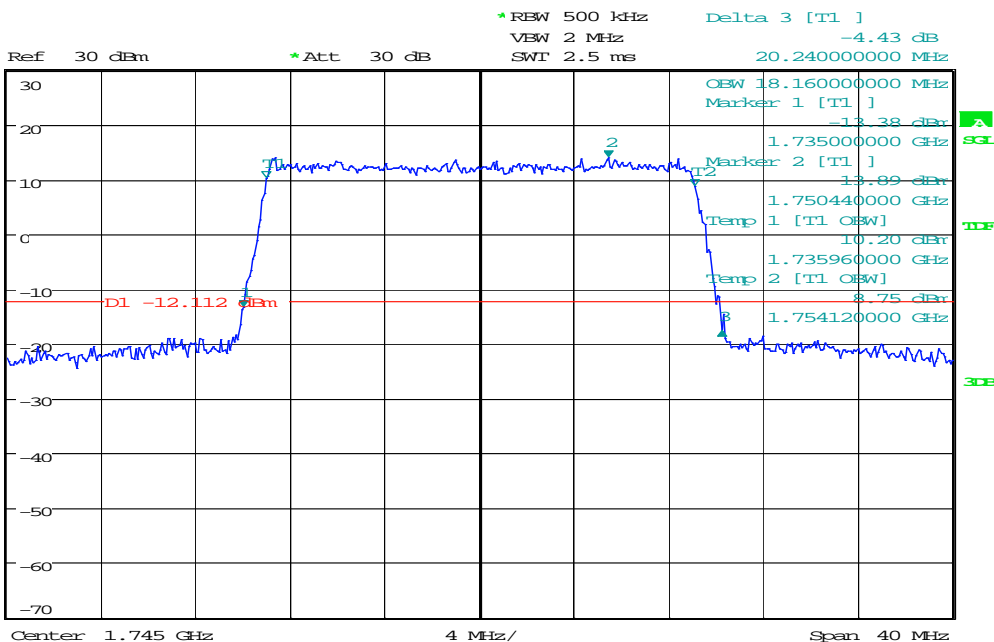


1.18
Noise



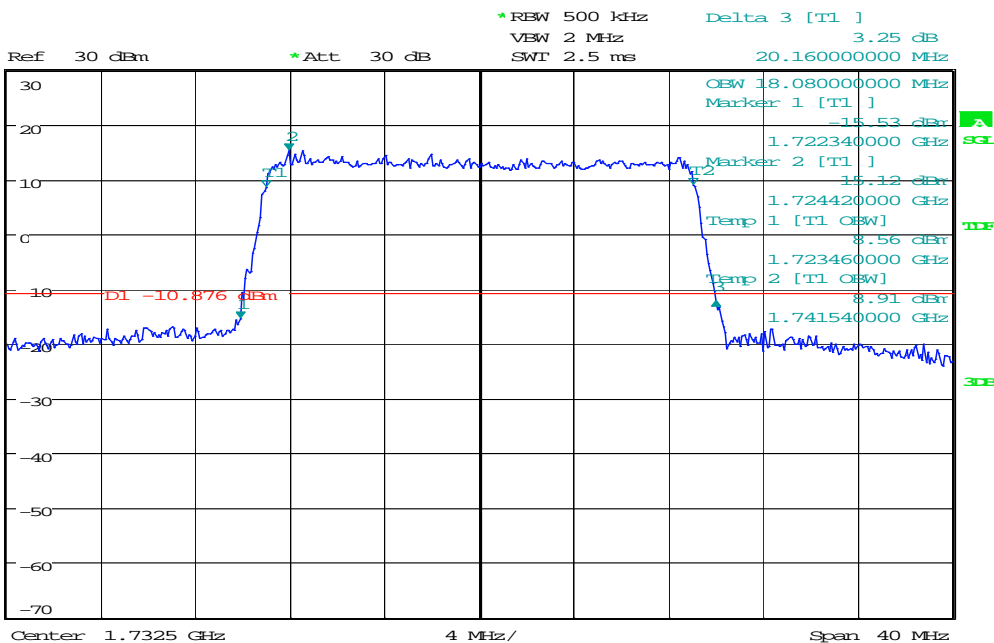
Date: 6.JUN.2016 18:27:02

BW20MHz-1745MHz,Q16-100RB_LOW@OBW_18.16MHz@26dB_20.24MHz



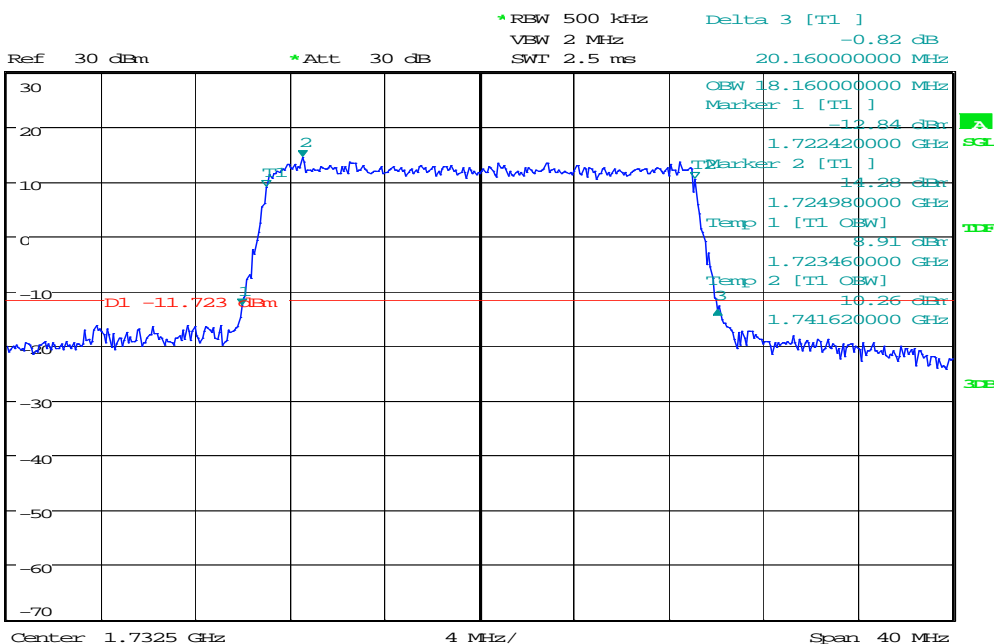
Date: 6.JUN.2016 18:28:02

BW20MHz-1732.5MHz,QPSK-100RB_LOW@OBW_18.08MHz@26dB_20.16MHz



Date: 6.JUN.2016 18:28:39

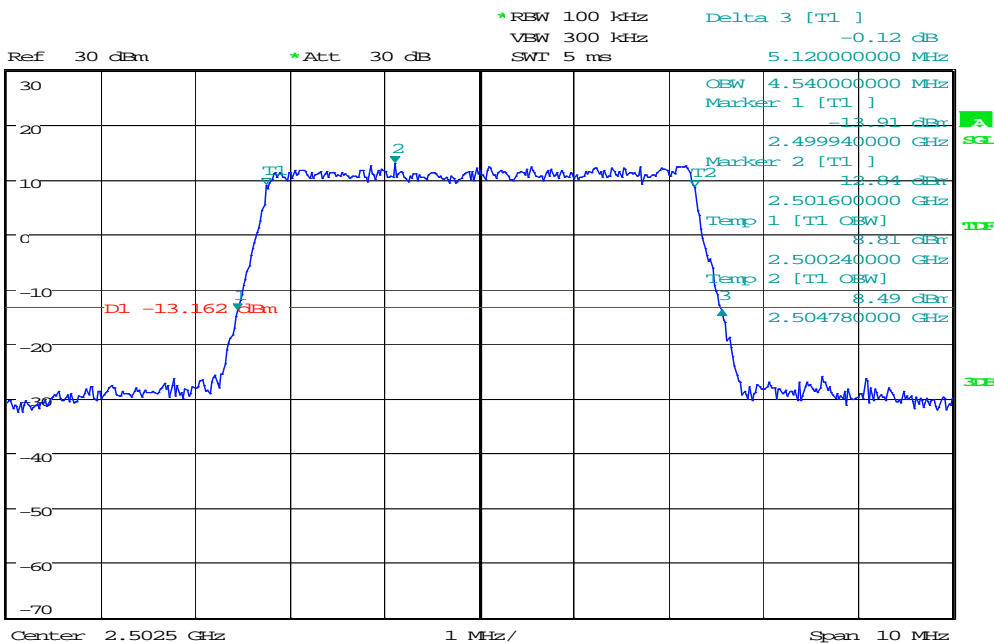
BW20MHz-1732.5MHz,Q16-100RB_LOW@OBW_18.16MHz@26dB_20.16MHz



Date: 6.JUN.2016 18:29:11

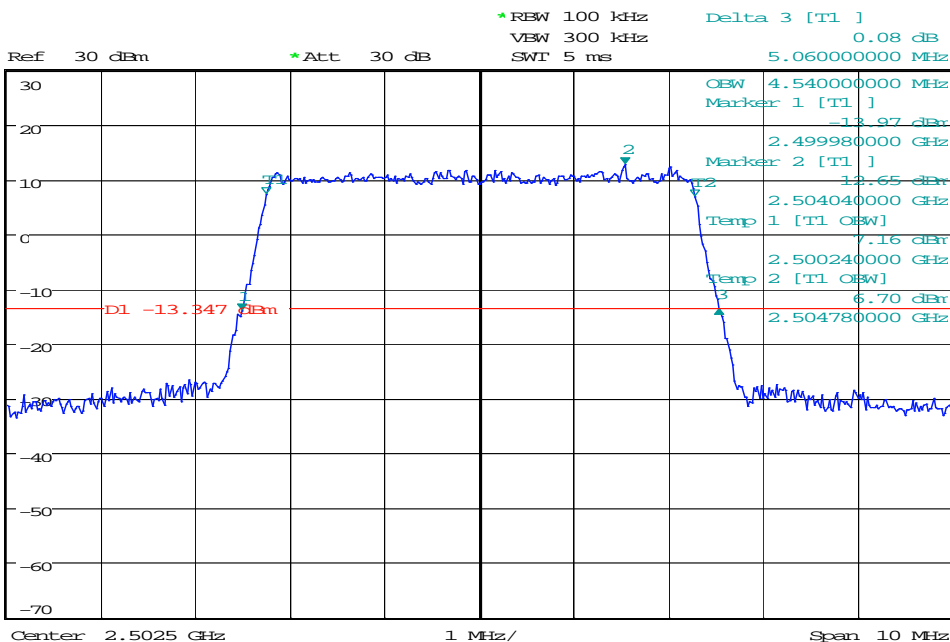
BAND 7@Bandwidth

BW5MHz-2502.5MHz,QPSK-25RB_LOW@OBW_4.54MHz@26dB_5.12MHz



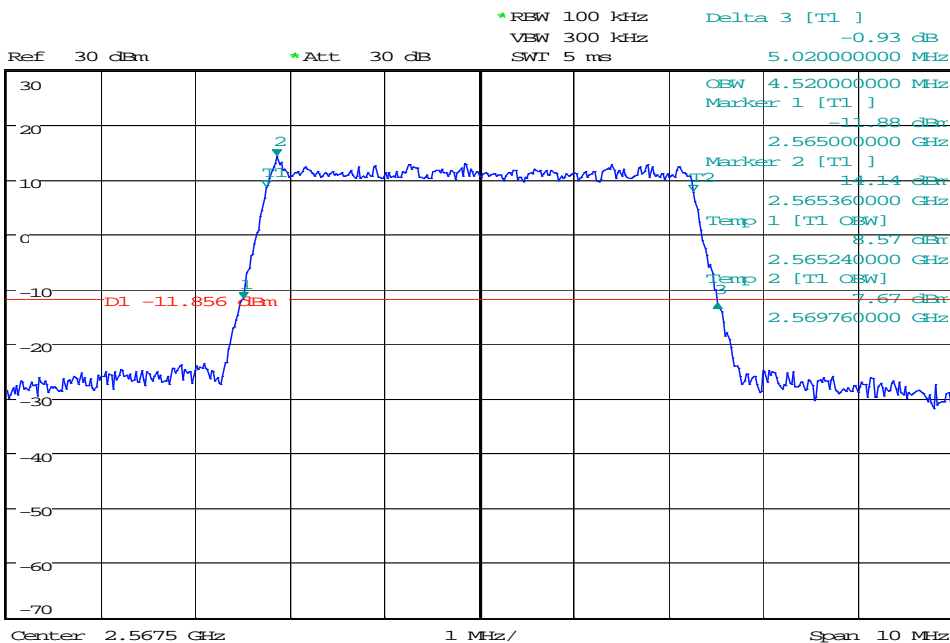
Date: 6.JUN.2016 18:38:13

BW5MHz-2502.5MHz,Q16-25RB_LOW@OBW_4.54MHz@26dB_5.06MHz



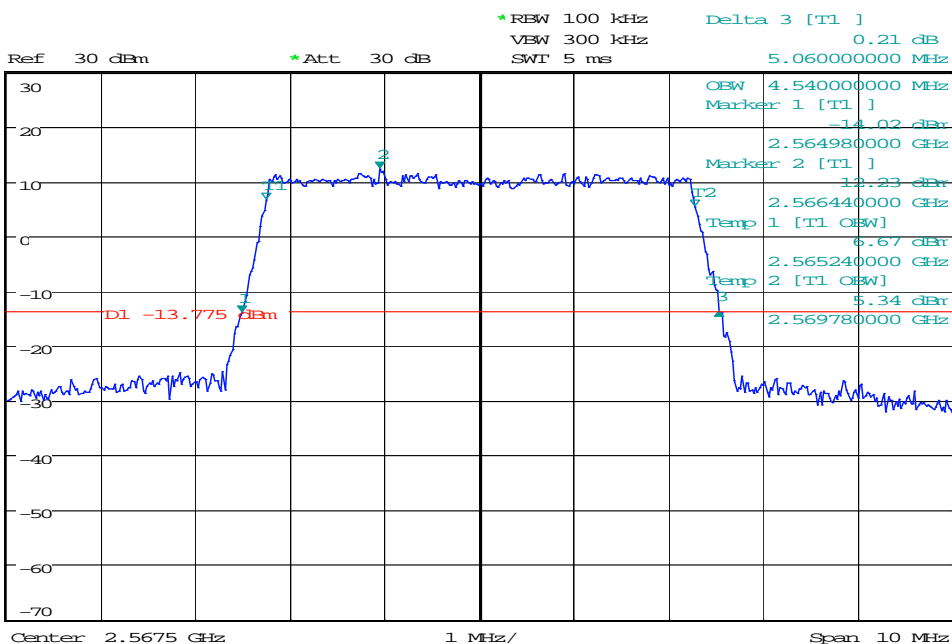
Date: 6.JUN.2016 18:39:31

BW5MHz-2567.5MHz,QPSK-25RB_LOW@OBW_4.52MHz@26dB_5.02MHz



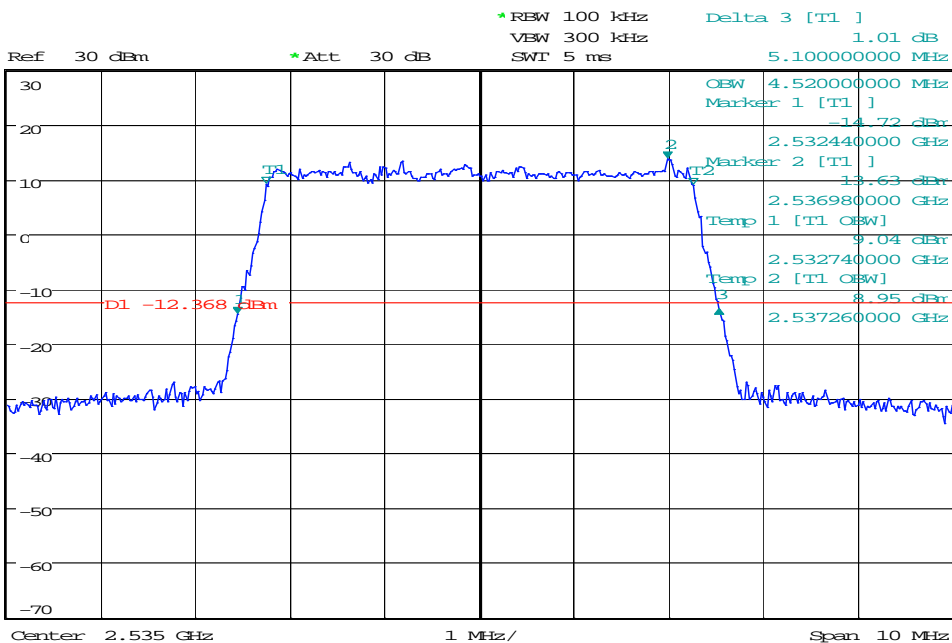
Date: 6.JUN.2016 18:40:46

BW5MHz-2567.5MHz,Q16-25RB_LOW@OBW_4.54MHz@26dB_5.06MHz



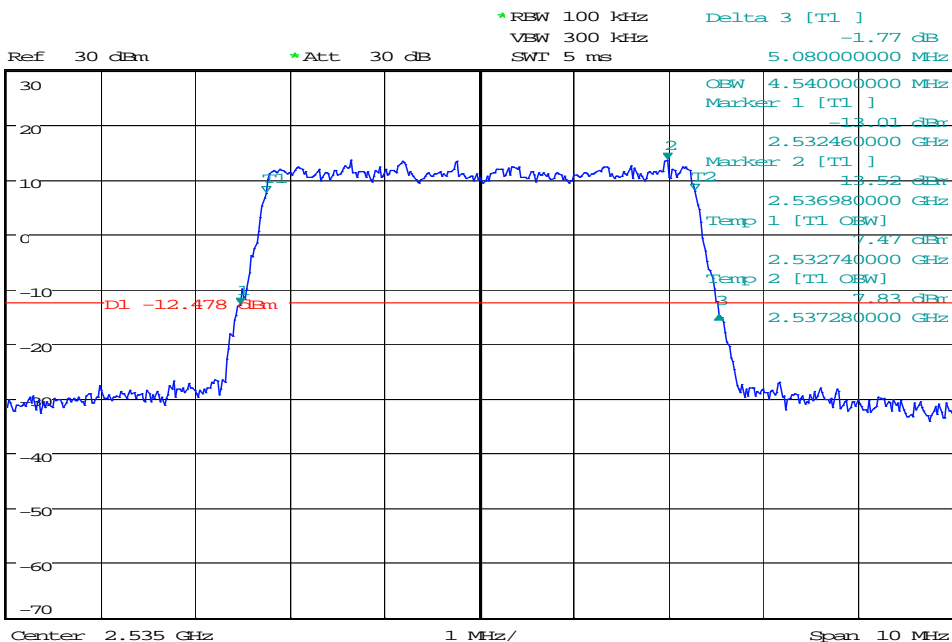
Date: 6.JUN.2016 18:42:00

BW5MHz-2535MHz,QPSK-25RB_LOW@OBW_4.52MHz@26dB_5.1MHz



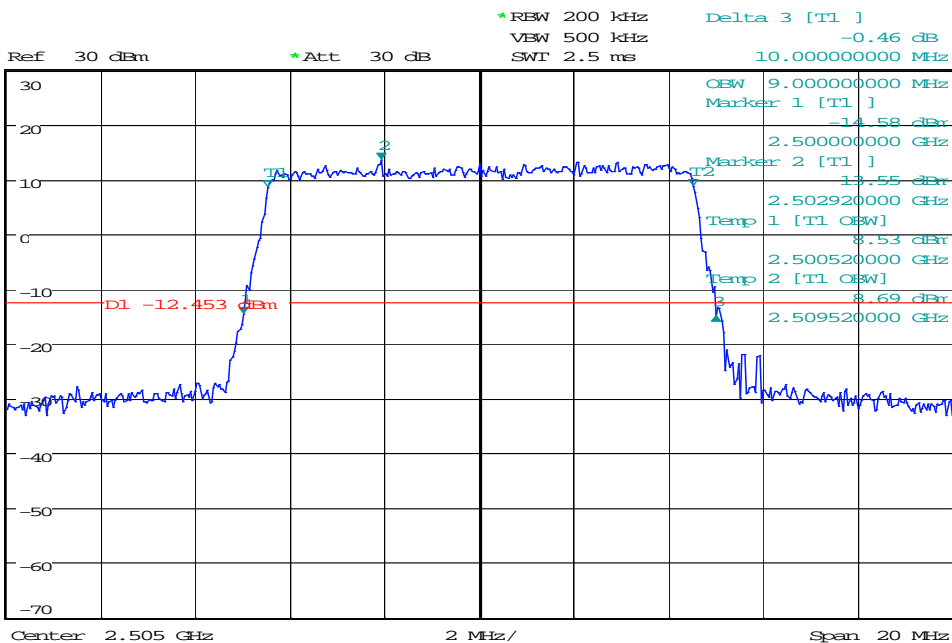
Date: 6.JUN.2016 18:43:17

BW5MHz-2535MHz,QPSK-25RB_LOW@OBW_4.54MHz@26dB_5.08MHz



Date: 6.JUN.2016 18:44:32

BW10MHz-2505MHz,QPSK-50RB_LOW@OBW_9.MHz@26dB_10.MHz

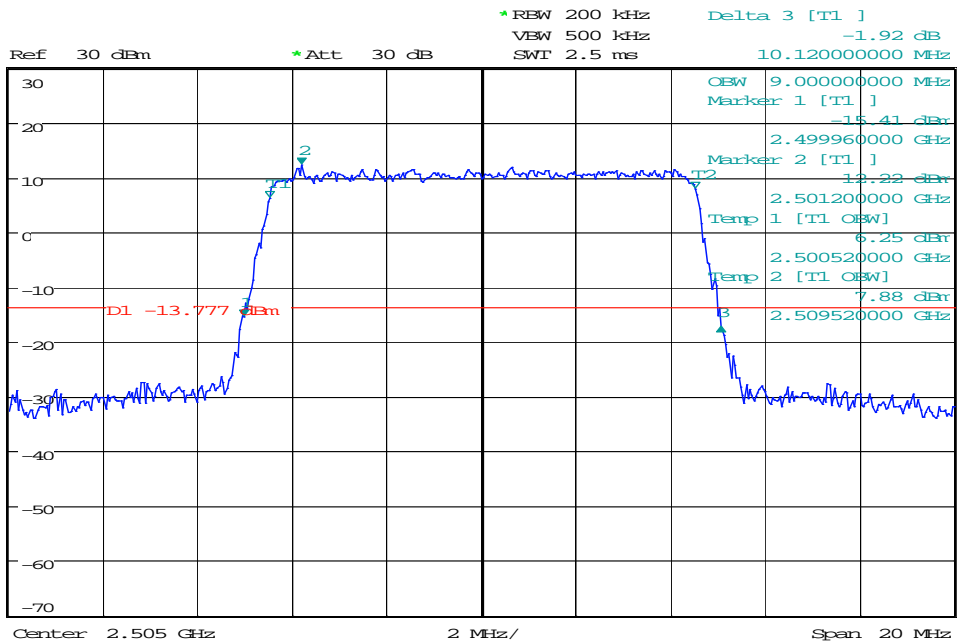


Date: 6.JUN.2016 18:45:40

BW10MHz-2505MHz,Q16-50RB_LOW@OBW_9.MHz@26dB_10.12MHz



1.13
Noise

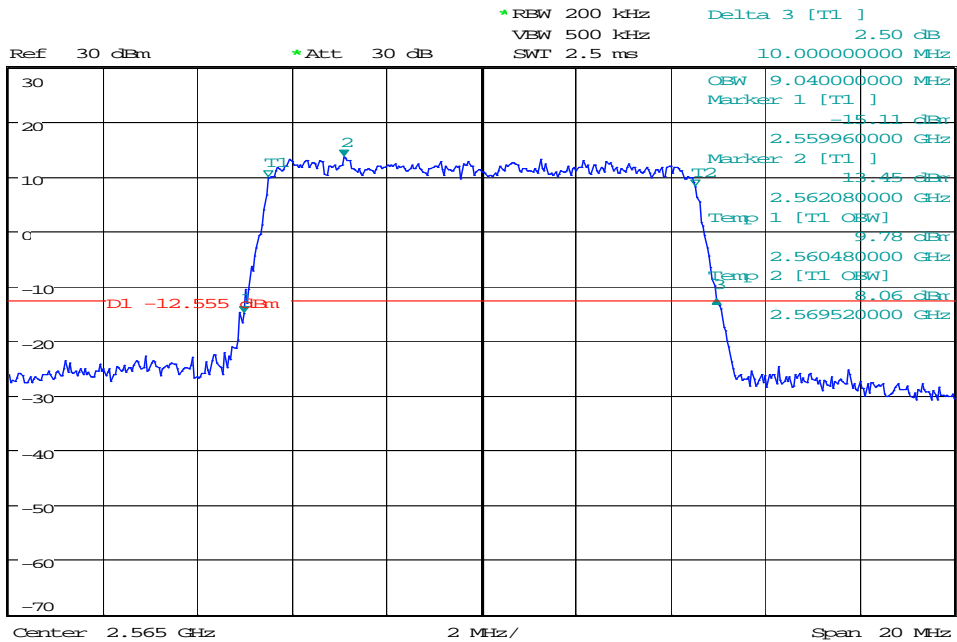


Date: 6.JUN.2016 18:46:46

BW10MHz-2565MHz,QPSK-50RB_LOW@OBW_9.04MHz@26dB_10.MHz

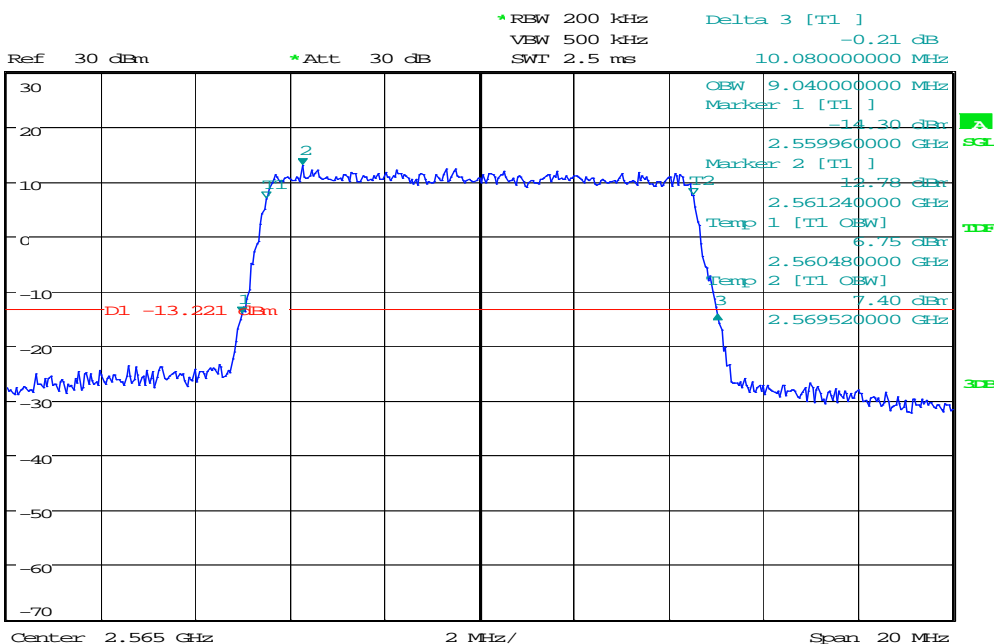


1.13
Noise



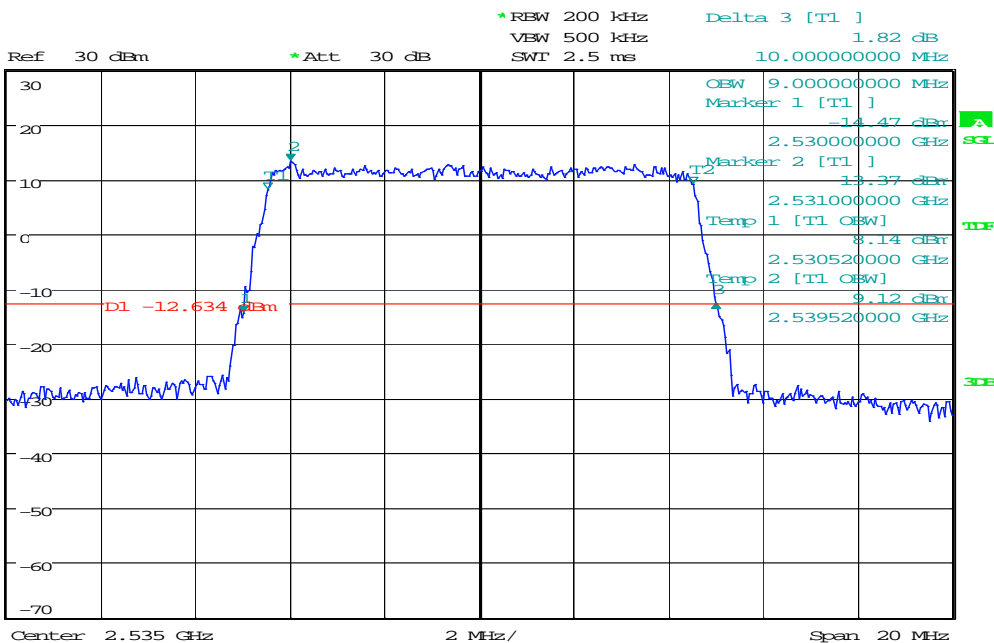
Date: 6.JUN.2016 18:47:54

BW10MHz-2565MHz,Q16-50RB_LOW@OBW_9.04MHz@26dB_10.08MHz



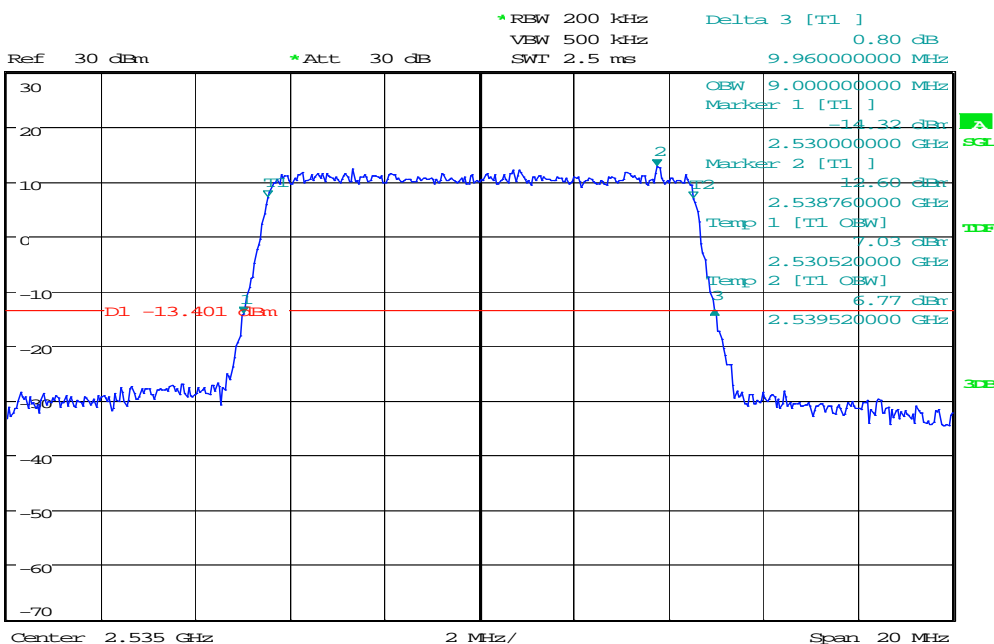
Date: 6.JUN.2016 18:49:00

BW10MHz-2535MHz,QPSK-50RB_LOW@OBW_9.MHz@26dB_10.MHz



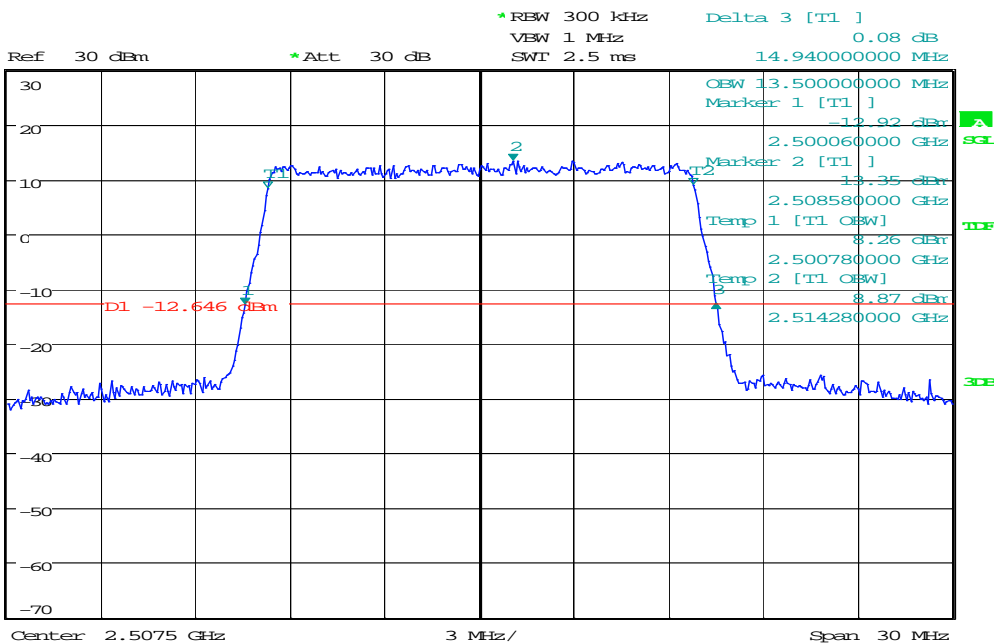
Date: 6.JUN.2016 18:50:06

BW10MHz-2535MHz,Q16-50RB_LOW@OBW_9.MHz@26dB_9.96MHz



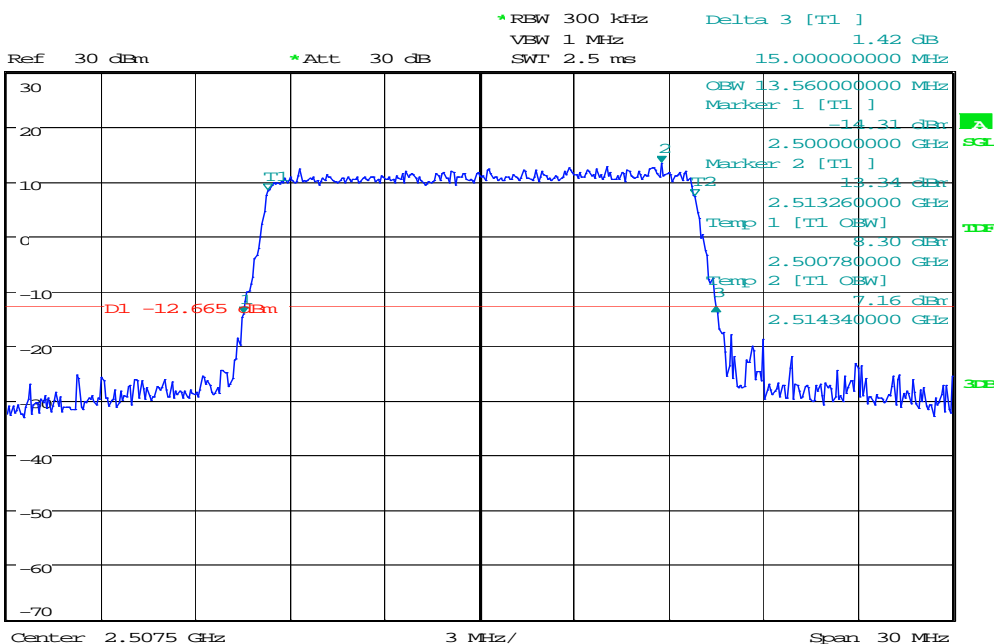
Date: 6.JUN.2016 18:51:14

BW15MHz-2507.5MHz,QPSK-75RB_LOW@OBW_13.5MHz@26dB_14.94MHz



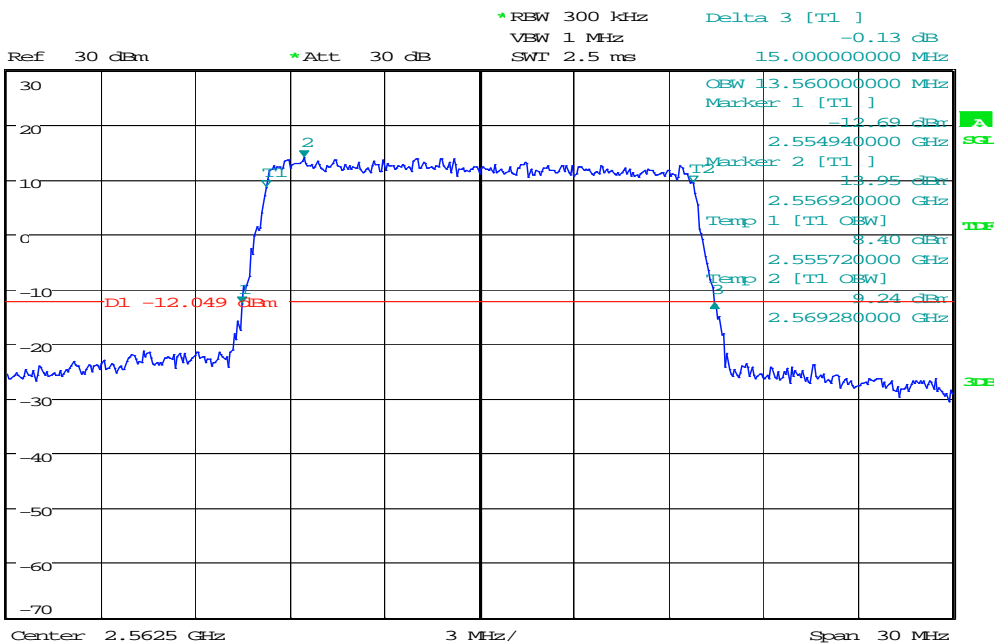
Date: 6.JUN.2016 18:52:23

BW15MHz-2507.5MHz,Q16-75RB_LOW@OBW_13.56MHz@26dB_15.MHz



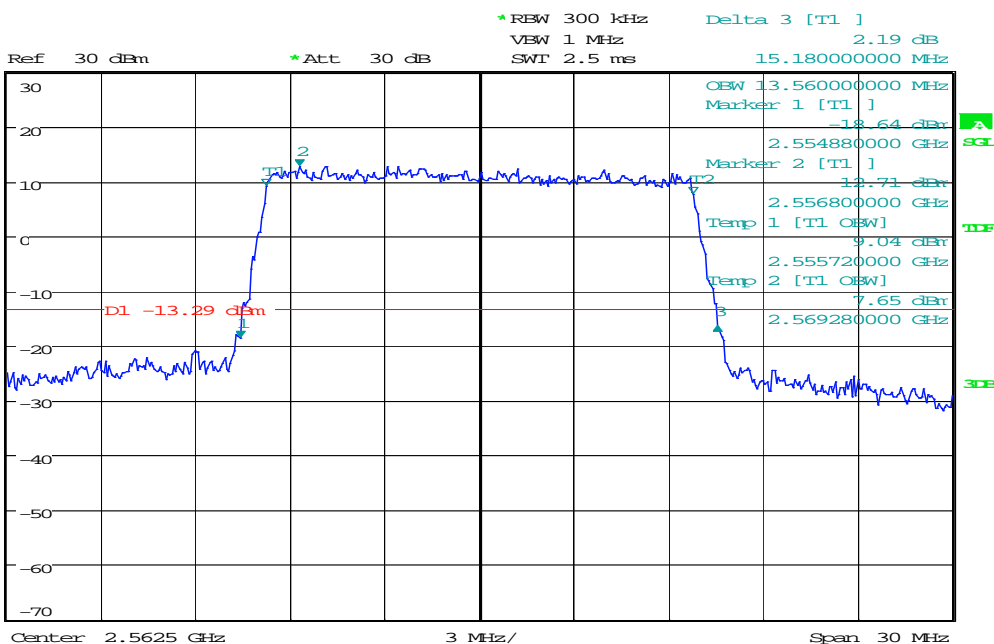
Date: 6.JUN.2016 18:53:28

BW15MHz-2562.5MHz,QPSK-75RB_LOW@OBW_13.56MHz@26dB_15.MHz



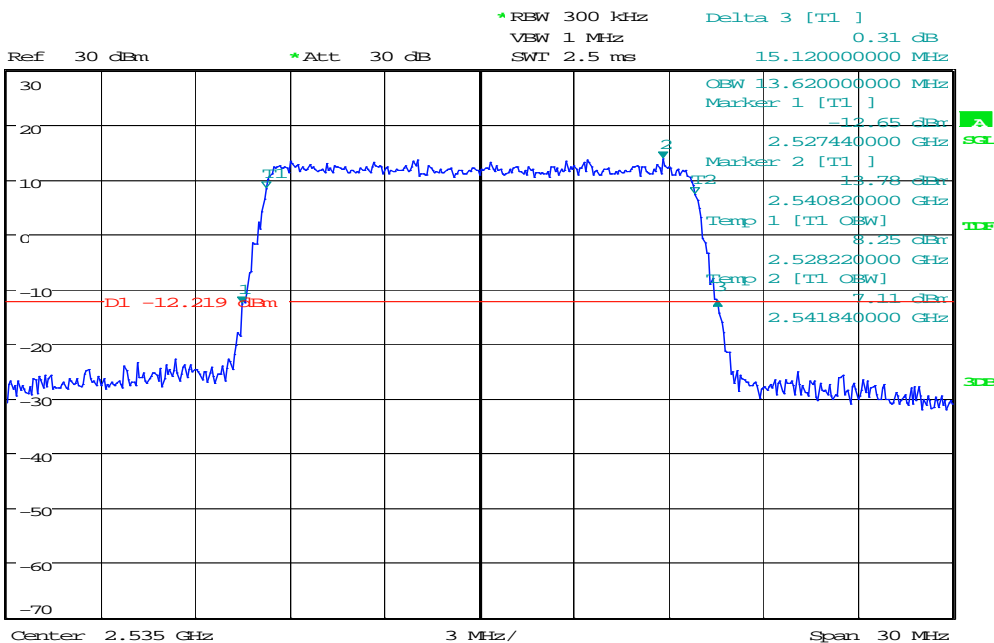
Date: 6.JUN.2016 18:54:33

BW15MHz-2562.5MHz,Q16-75RB_LOW@OBW_13.56MHz@26dB_15.18MHz



Date: 6.JUN.2016 18:55:41

BW15MHz-2535MHz,QPSK-75RB_LOW@OBW_13.62MHz@26dB_15.12MHz

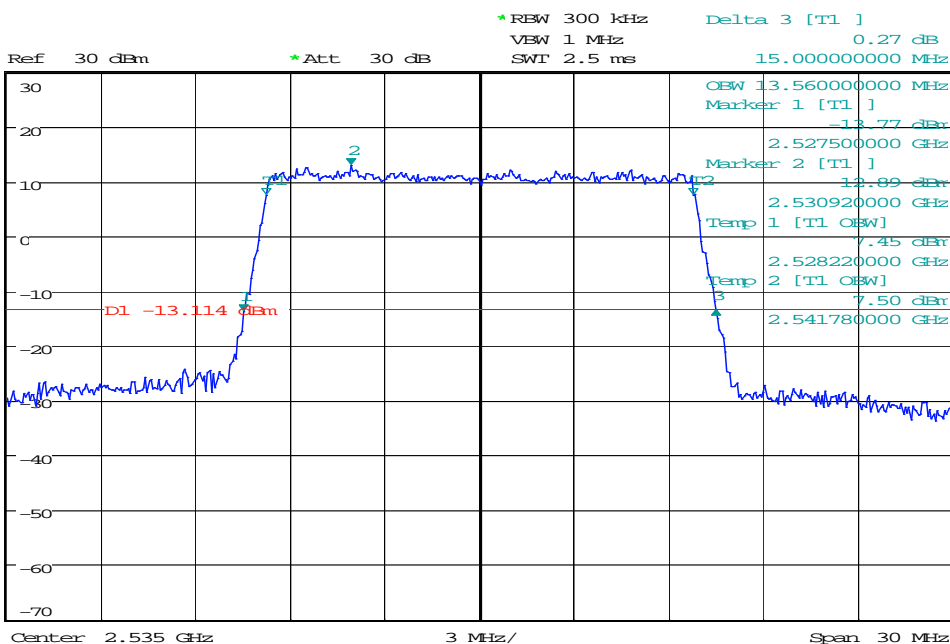


Date: 6.JUN.2016 18:56:47

BW15MHz-2535MHz,Q16-75RB_LOW@OBW_13.56MHz@26dB_15.MHz



1.13
Noise

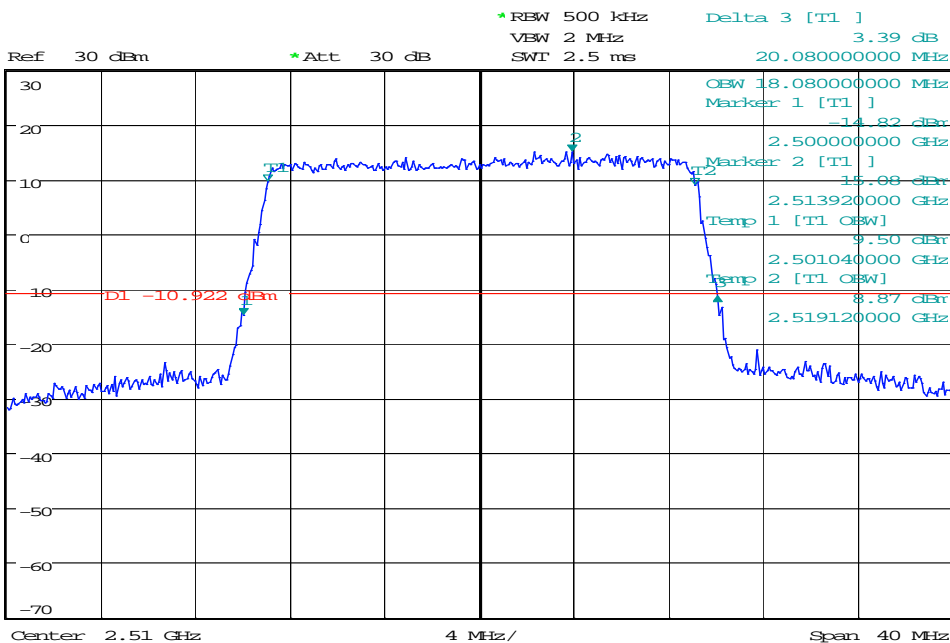


Date: 6.JUN.2016 18:57:52

BW20MHz-2510MHz,QPSK-100RB_LOW@OBW_18.08MHz@26dB_20.08MHz

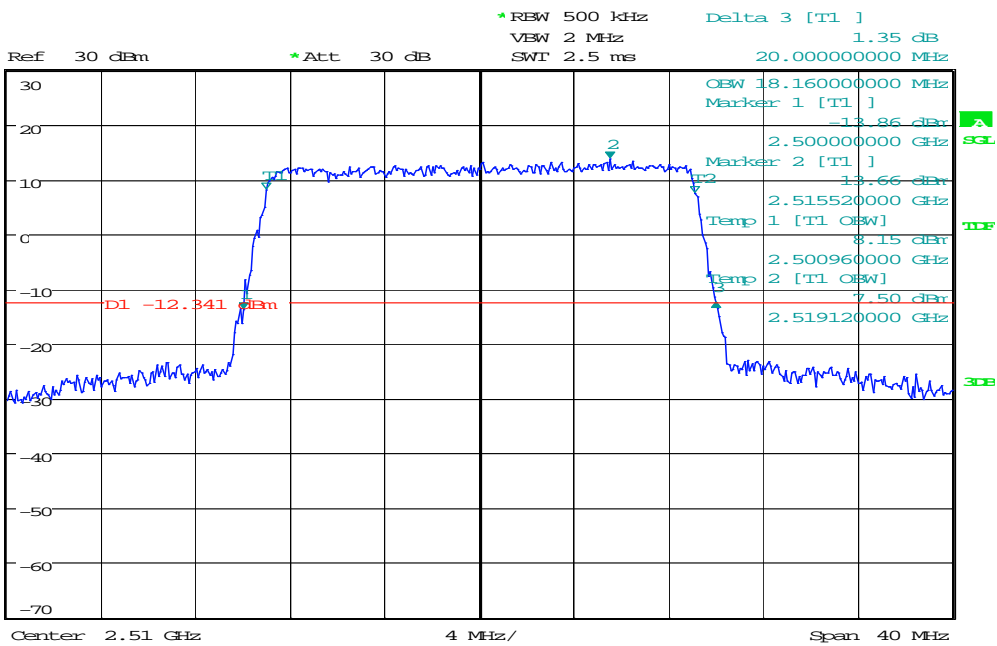


1.13
Noise



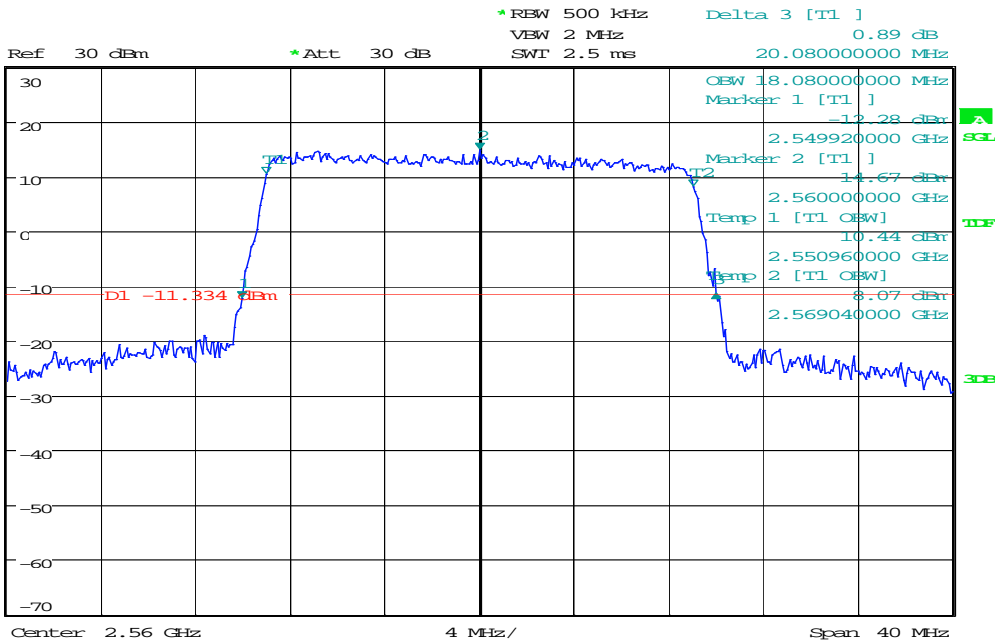
Date: 6.JUN.2016 18:59:01

BW20MHz-2510MHz,Q16-100RB_LOW@OBW_18.16MHz@26dB_20.MHz



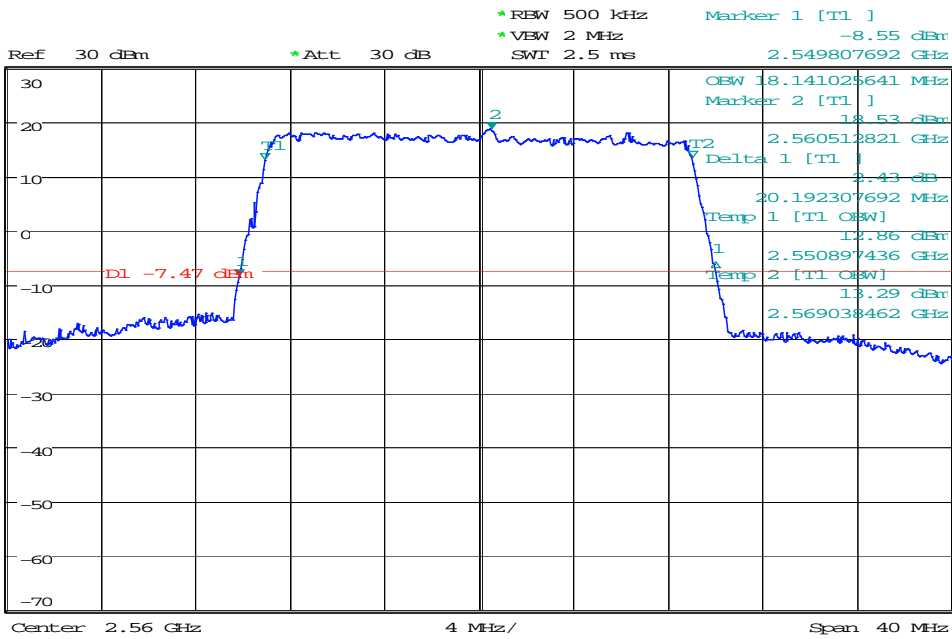
Date: 6.JUN.2016 19:00:09

BW20MHz-2560MHz,QPSK-100RB_LOW@OBW_18.08MHz@26dB_20.08MHz



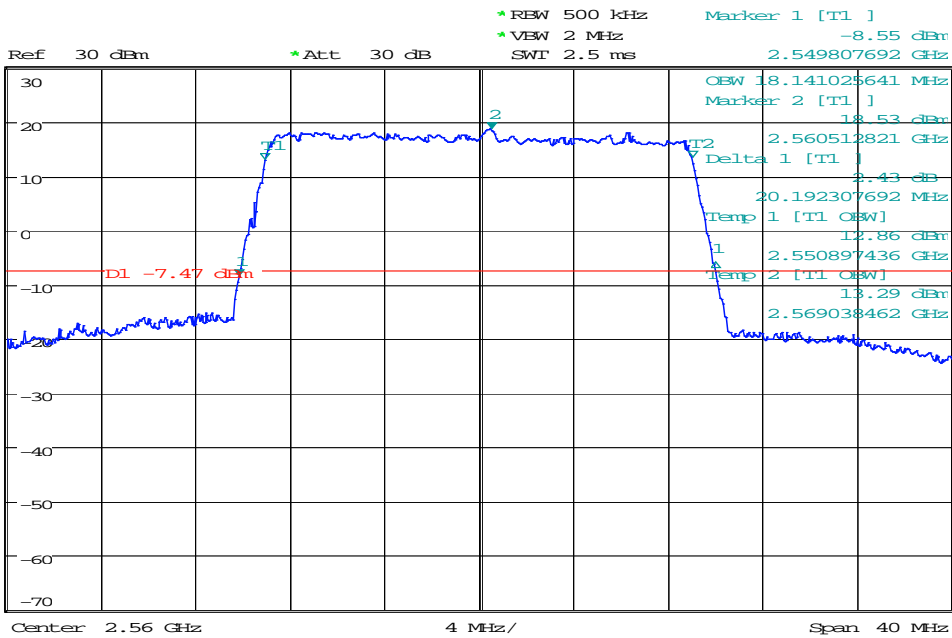
Date: 6.JUN.2016 19:01:16

BW20MHz-2560MHz,Q16-100RB_LOW@OBW_18.08MHz@26dB_20.24MHz



Date: 21.JUN.2016 18:53:57

BW20MHz-2535MHz,QPSK-100RB_LOW@OBW_.MHz@26dB_40.MHz



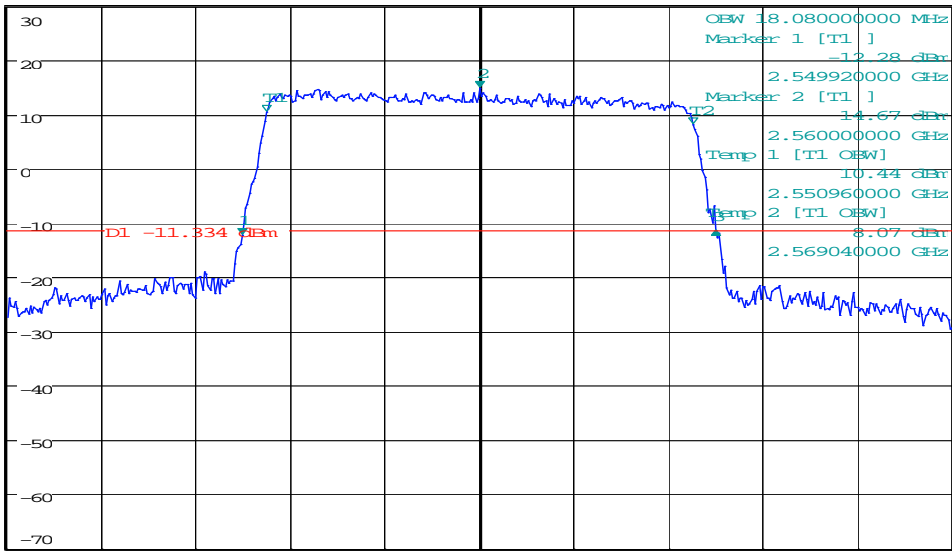
Date: 21.JUN.2016 18:53:57

BW20MHz-2535MHz,Q16-100RB_LOW@OBW_.MHz@26dB_40.MHz



1.1K
Noise

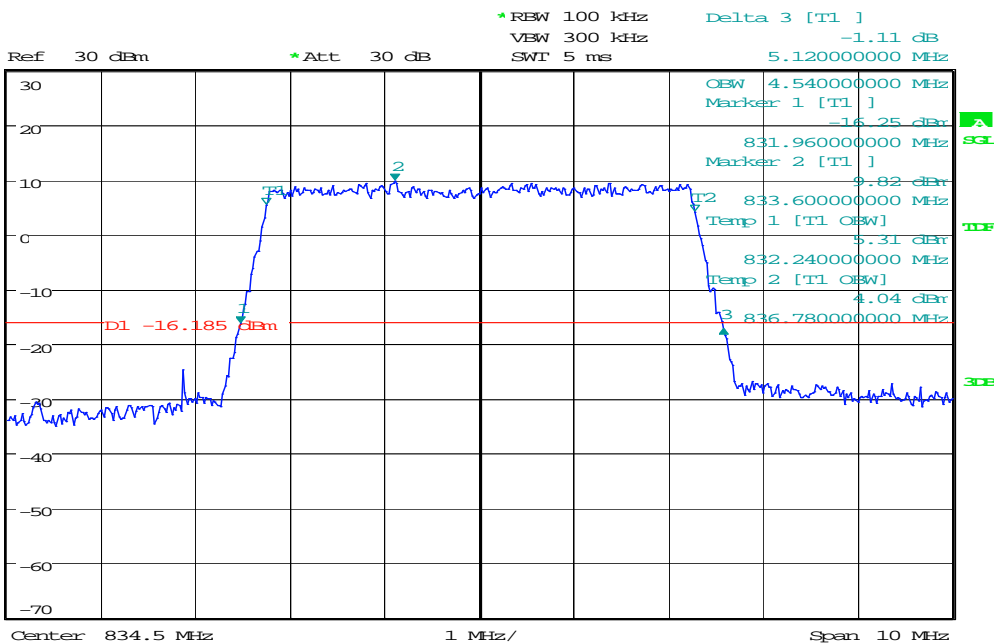
Ref 30 dBm *Att 30 dB *RBW 500 kHz Delta 3 [T1]
 VEW 2 MHz SWI 2.5 ms 0.89 dB
 20.080000000 MHz



Date: 6.JUN.2016 19:01:16

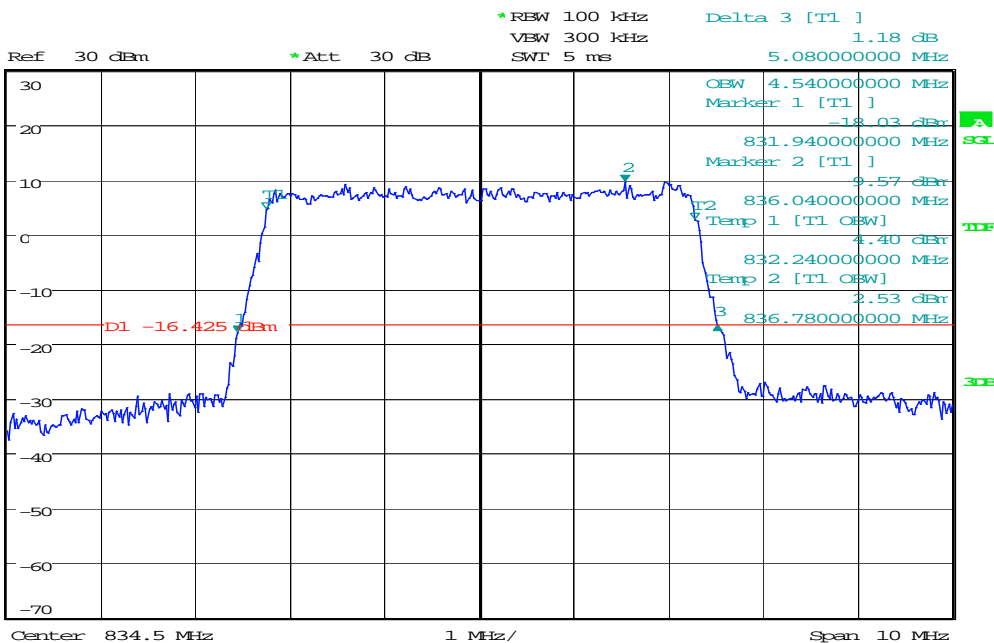
BAND 20@Bandwidth

BW5MHz-834.5MHz,QPSK-25RB_LOW@OBW_4.54MHz@26dB_5.12MHz



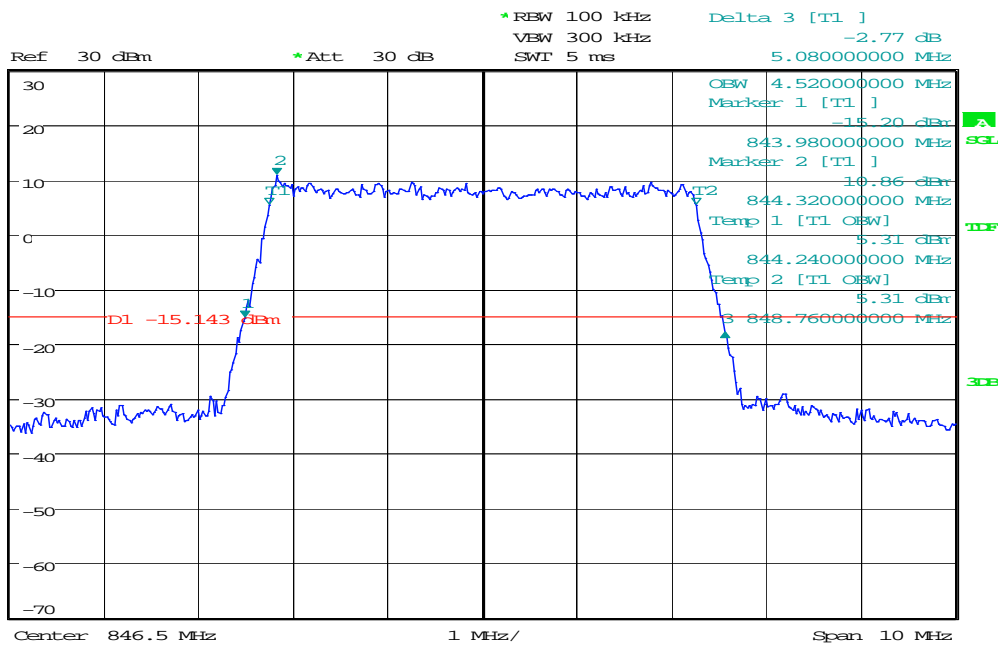
Date: 7.JUN.2016 10:52:49

BW5MHz-834.5MHz,Q16-25RB_LOW@OBW_4.54MHz@26dB_5.08MHz



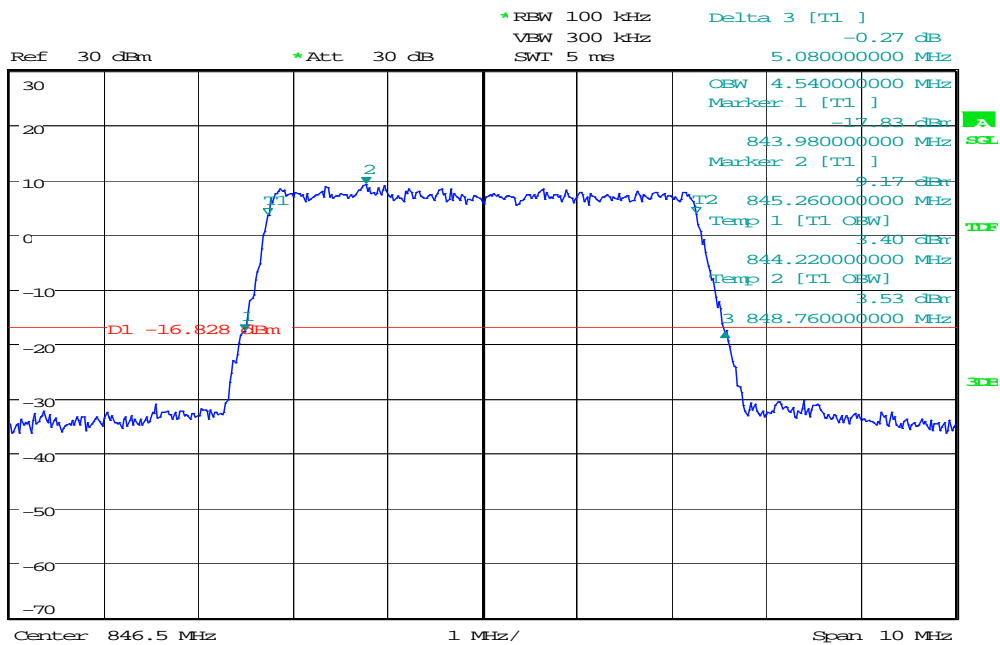
Date: 7.JUN.2016 10:54:48

BW5MHz-846.5MHz,QPSK-25RB_LOW@OBW_4.52MHz@26dB_5.08MHz



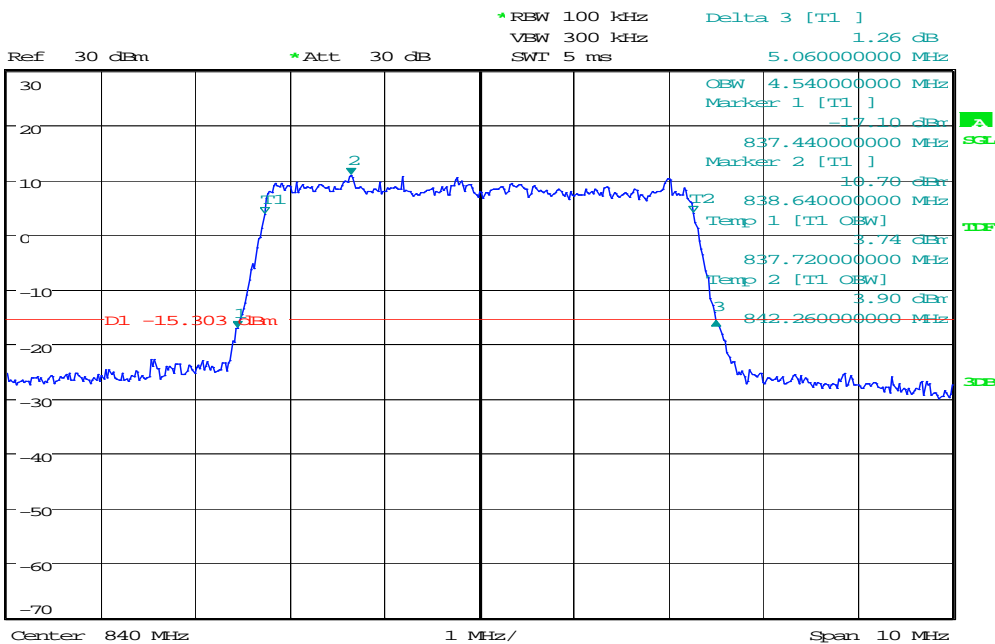
Date: 7.JUN.2016 10:56:30

BW5MHz-846.5MHz,Q16-25RB_LOW@OBW_4.54MHz@26dB_5.08MHz



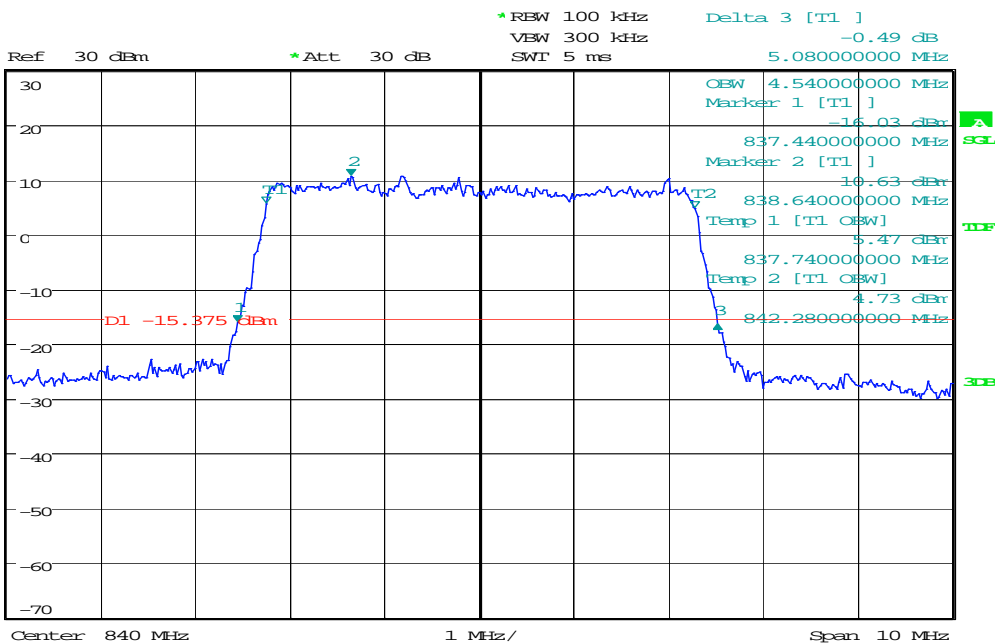
Date: 7.JUN.2016 10:58:09

BW5MHz-840MHz,QPSK-25RB_LOW@OBW_4.54MHz@26dB_5.06MHz



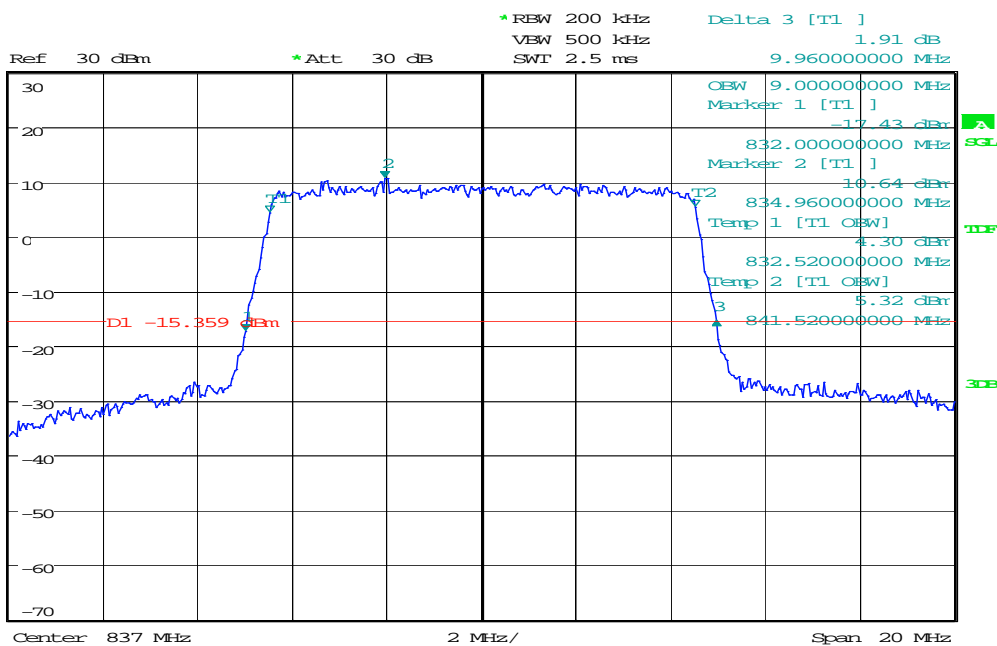
Date: 7.JUN.2016 10:59:21

BW5MHz-840MHz,QPSK-25RB_LOW@OBW_4.54MHz@26dB_5.08MHz



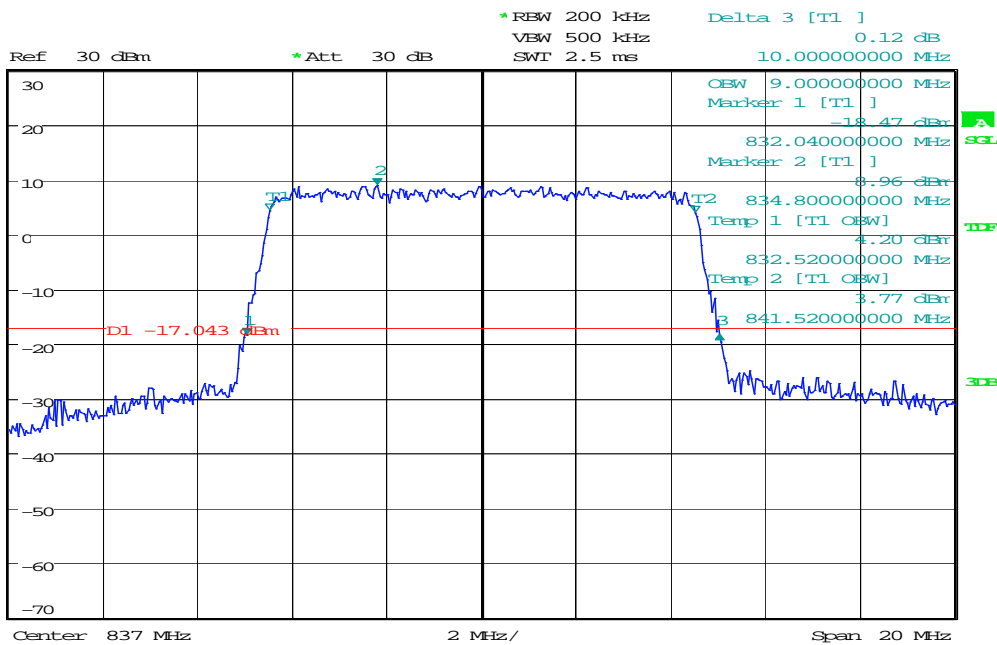
Date: 7.JUN.2016 11:00:20

BW10MHz-837MHz,QPSK-50RB_LOW@OBW_9.MHz@26dB_9.96MHz



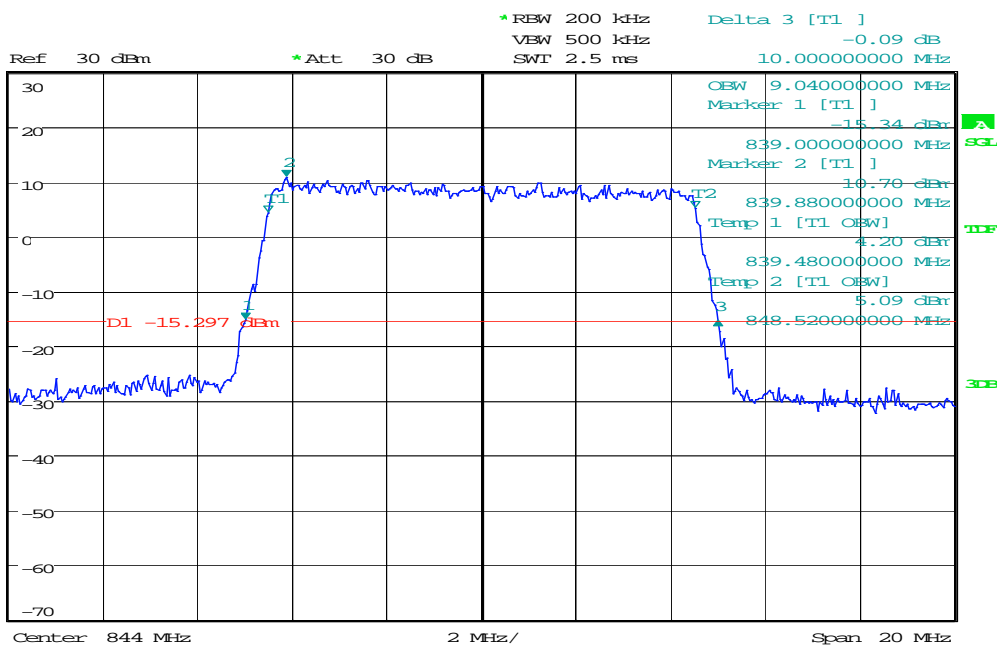
Date: 7.JUN.2016 11:01:49

BW10MHz-837MHz,Q16-50RB_LOW@OBW_9.MHz@26dB_10.MHz



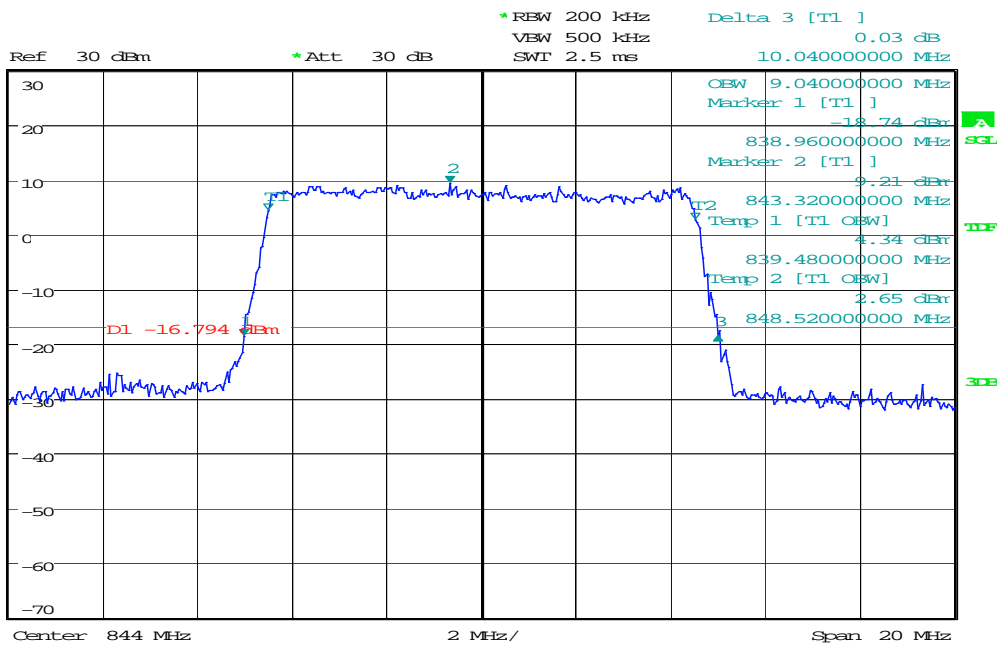
Date: 7.JUN.2016 11:03:28

BW10MHz-844MHz,QPSK-50RB_LOW@OBW_9.04MHz@26dB_10.MHz



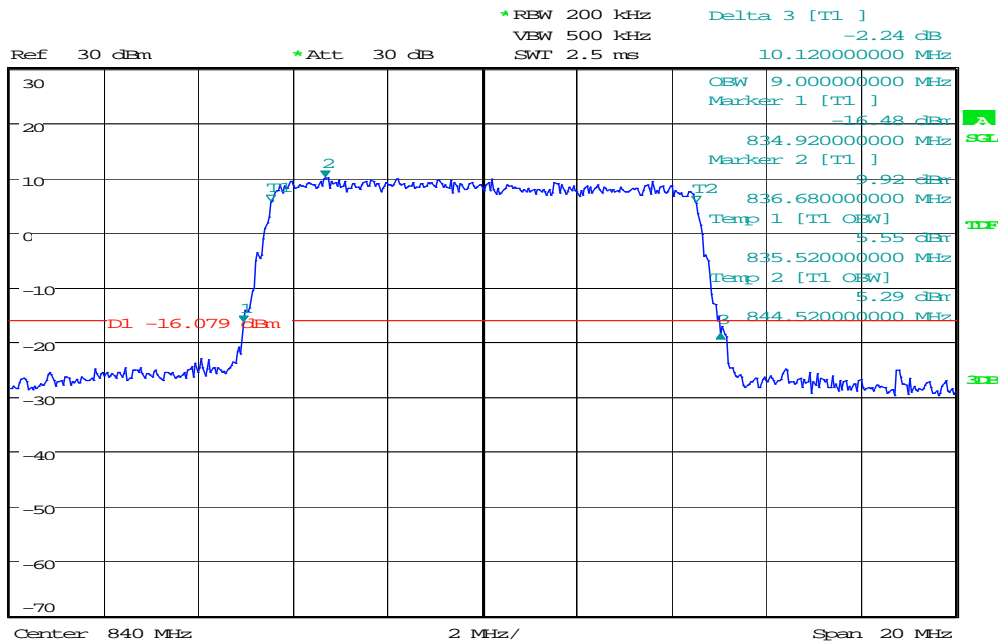
Date: 7.JUN.2016 11:05:10

BW10MHz-844MHz,Q16-50RB_LOW@OBW_9.04MHz@26dB_10.04MHz



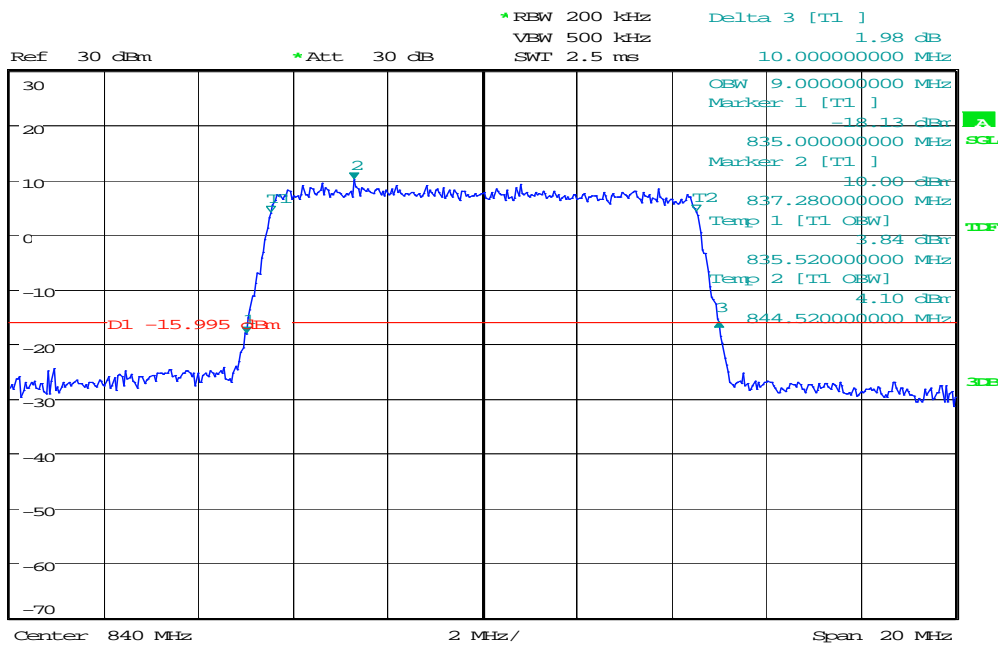
Date: 7.JUN.2016 11:06:52

BW10MHz-840MHz,QPSK-50RB_LOW@OBW_9.MHz@26dB_10.12MHz



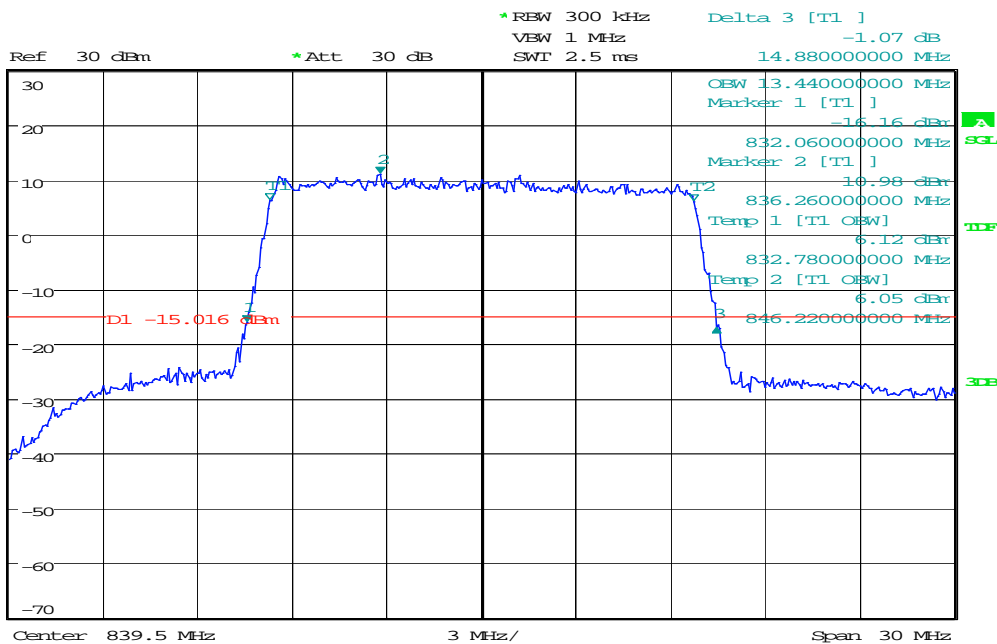
Date: 7.JUN.2016 11:07:42

BW10MHz-840MHz,Q16-50RB_LOW@OBW_9.MHz@26dB_10.MHz



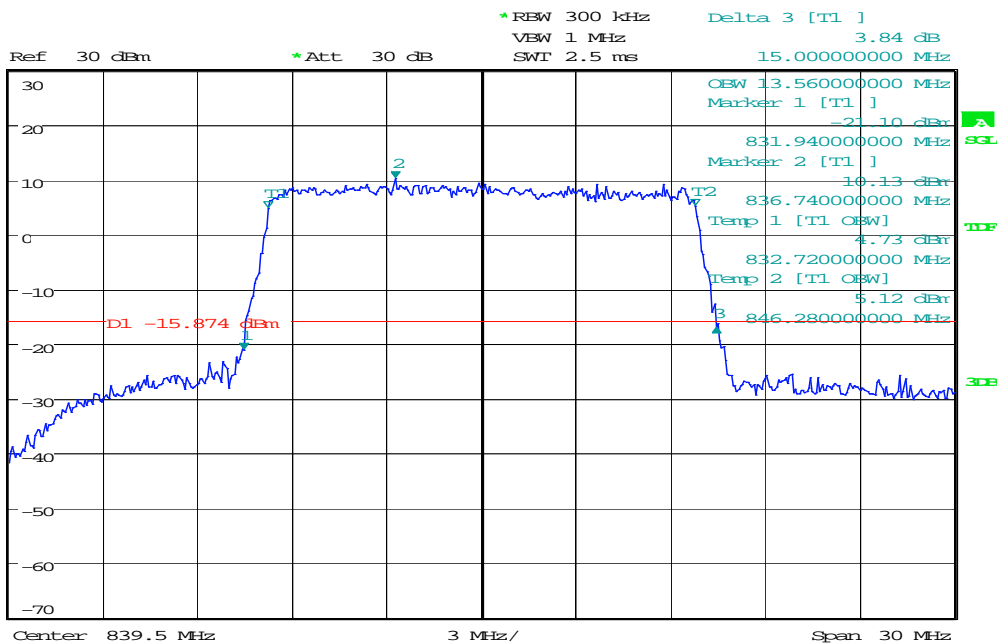
Date: 7.JUN.2016 11:08:18

BW15MHz-839.5MHz,QPSK-75RB_LOW@OBW_13.44MHz@26dB_14.88MHz



Date: 7.JUN.2016 11:09:24

BW15MHz-839.5MHz,Q16-75RB_LOW@OBW_13.56MHz@26dB_15.MHz

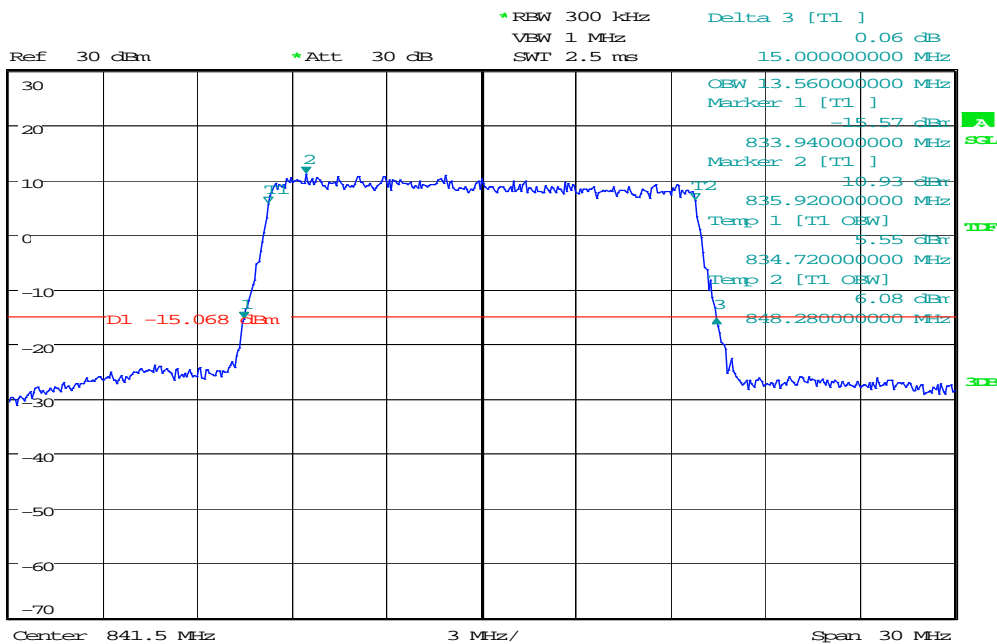


Date: 7.JUN.2016 11:10:35

BW15MHz-841.5MHz,QPSK-75RB_LOW@OBW_13.56MHz@26dB_15.MHz



1.58
Max

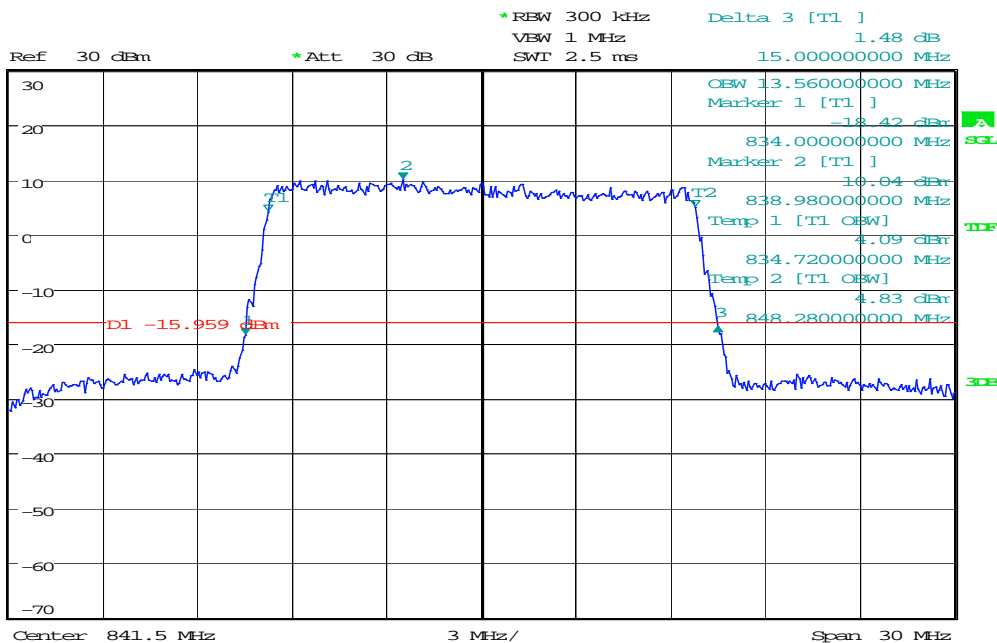


Date: 7.JUN.2016 11:11:43

BW15MHz-841.5MHz,Q16-75RB_LOW@OBW_13.56MHz@26dB_15.MHz



1.58
Max

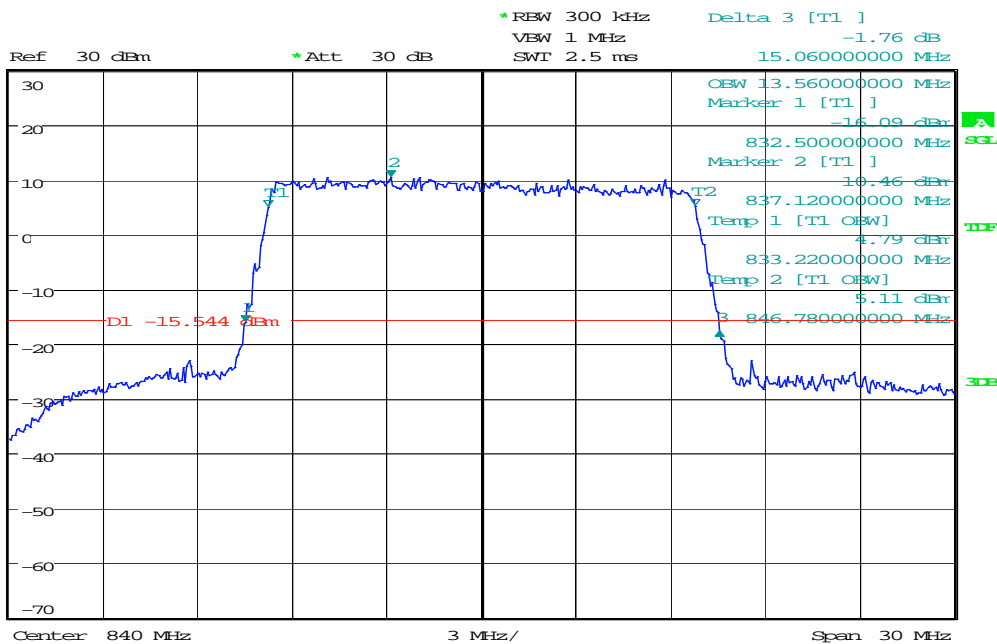


Date: 7.JUN.2016 11:12:52

BW15MHz-840MHz,QPSK-75RB_LOW@OBW_13.56MHz@26dB_15.06MHz



1.0E8
Max

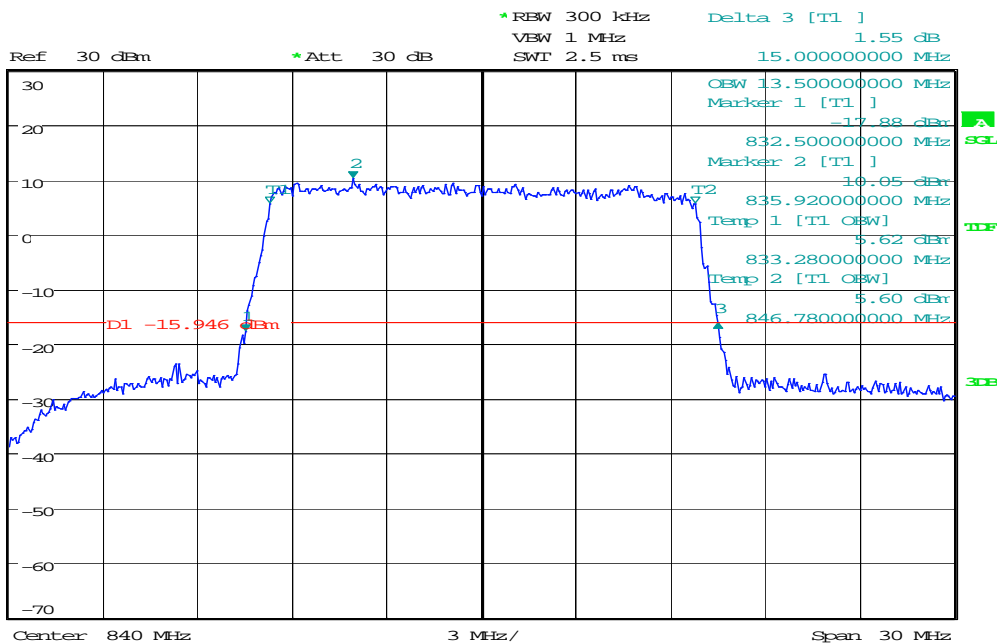


Date: 7.JUN.2016 11:13:35

BW15MHz-840MHz,Q16-75RB_LOW@OBW_13.5MHz@26dB_15.MHz



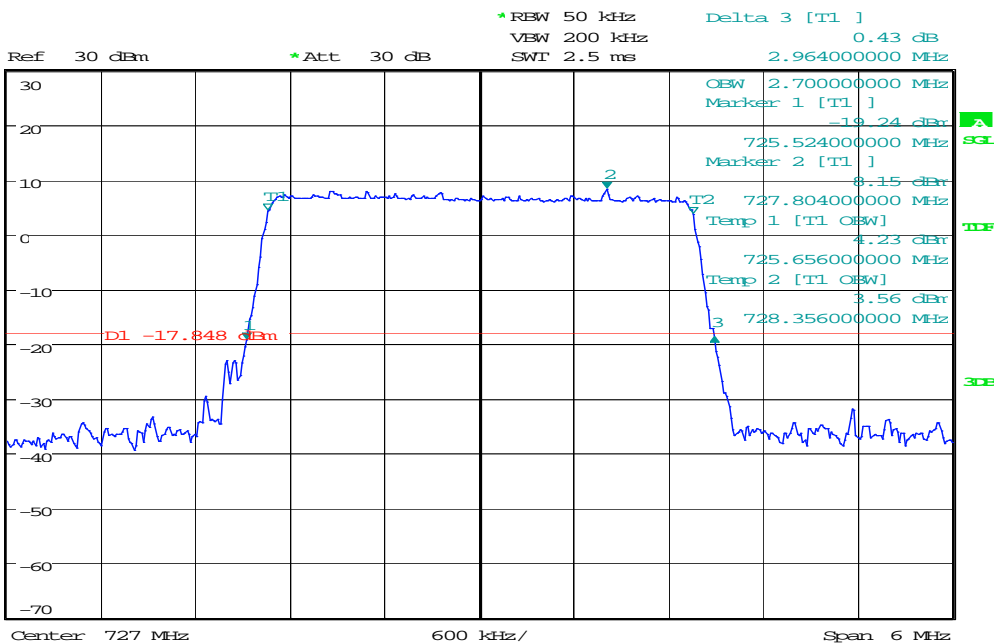
1.0E8
Max



Date: 7.JUN.2016 11:14:08

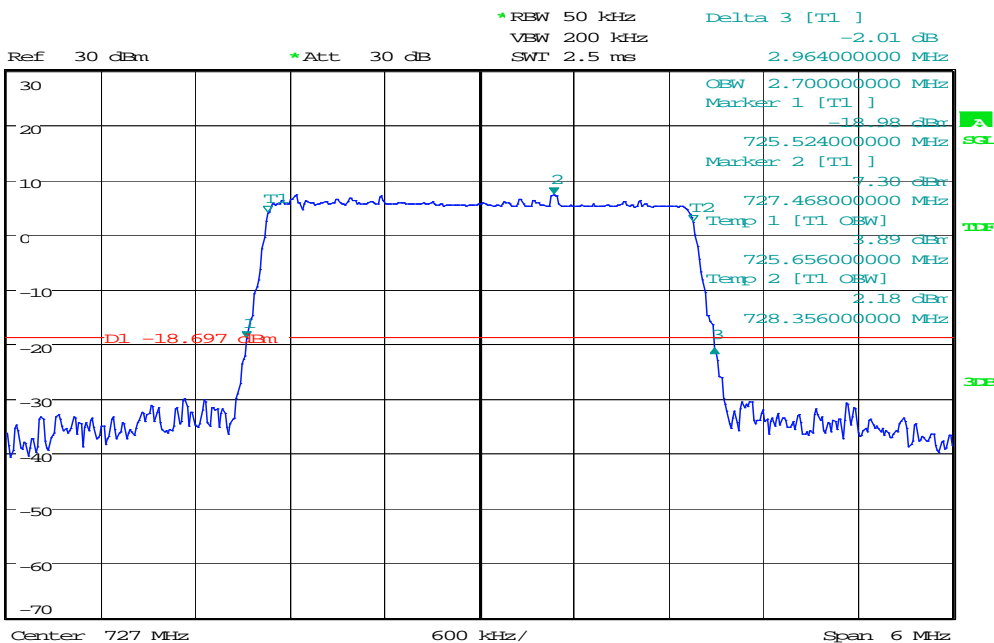
BAND 28@Bandwidth

BW3MHz-727MHz,QPSK-15RB_LOW@OBW_2.7MHz@26dB_2.964MHz



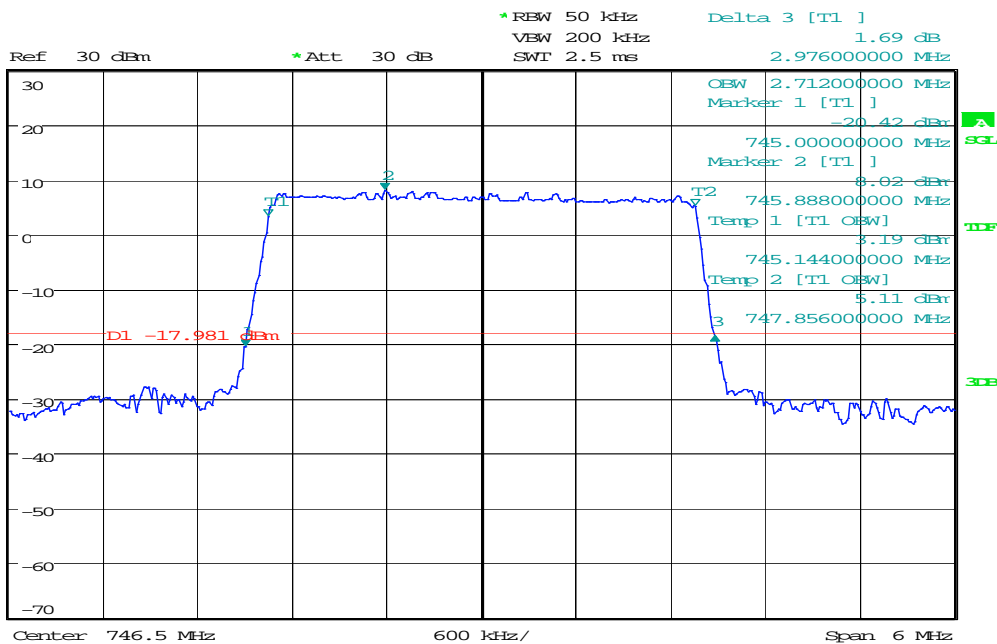
Date: 16.JUN.2016 14:52:51

BW3MHz-727MHz,Q16-15RB_LOW@OBW_2.7MHz@26dB_2.964MHz



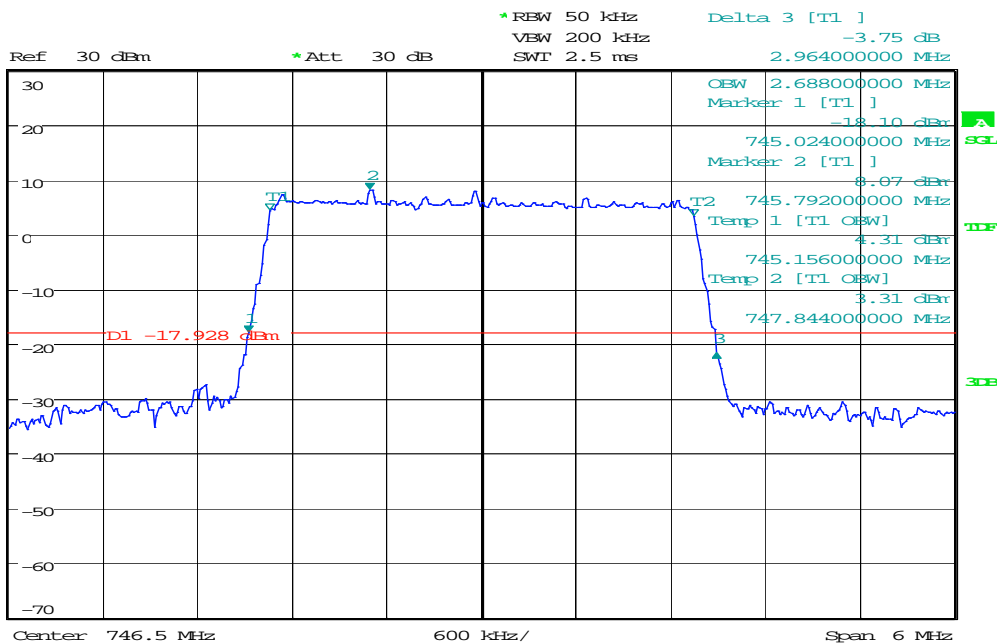
Date: 16.JUN.2016 14:54:24

BW3MHz-746.5MHz,QPSK-15RB_LOW@OBW_2.712MHz@26dB_2.976MHz



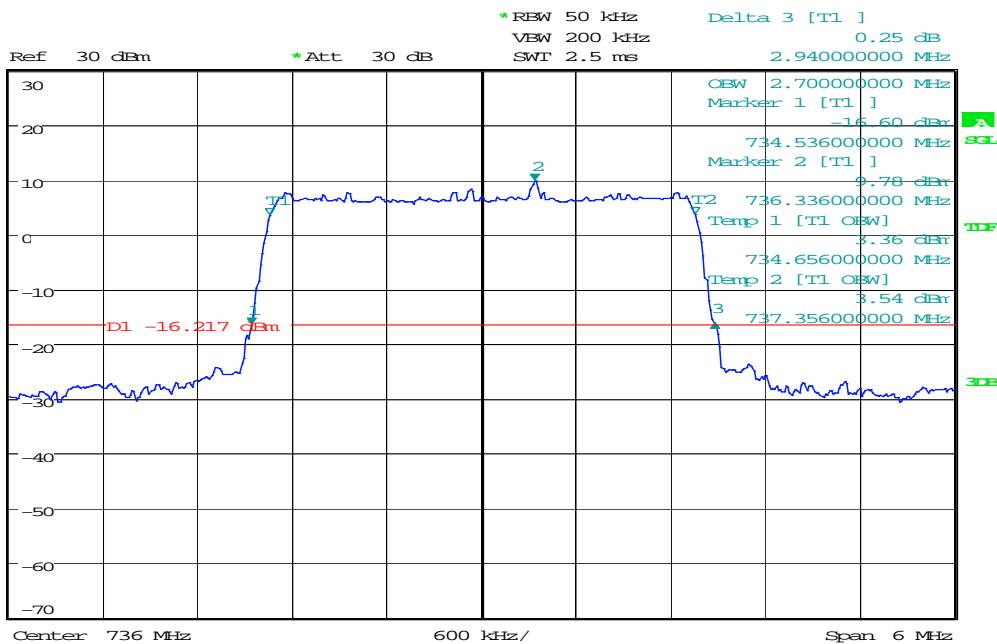
Date: 16.JUN.2016 14:55:55

BW3MHz-746.5MHz,Q16-15RB_LOW@OBW_2.688MHz@26dB_2.964MHz



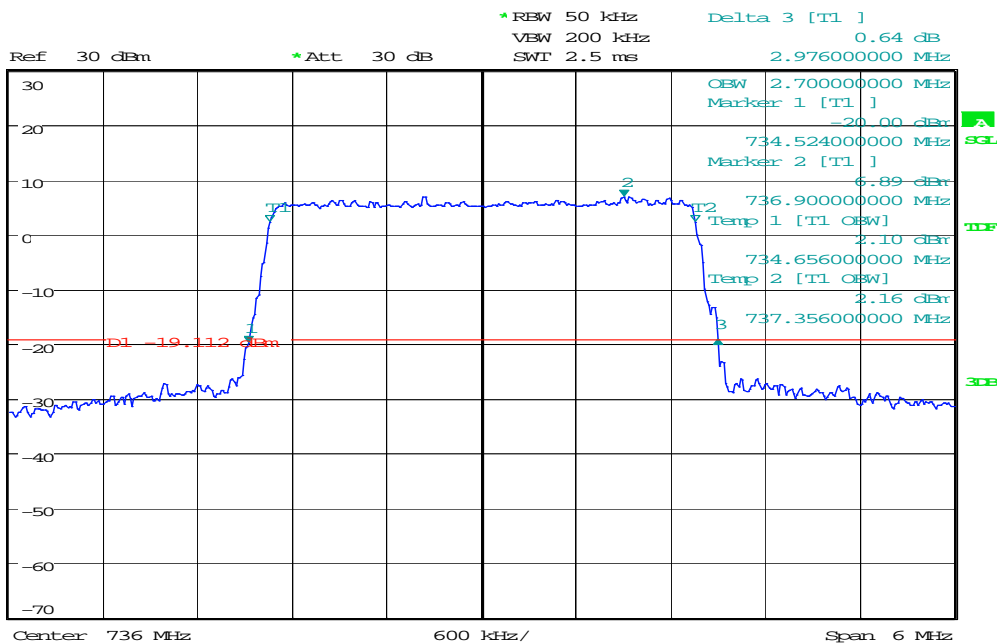
Date: 16.JUN.2016 14:57:26

BW3MHz-736MHz,QPSK-15RB_LOW@OBW_2.7MHz@26dB_2.94MHz



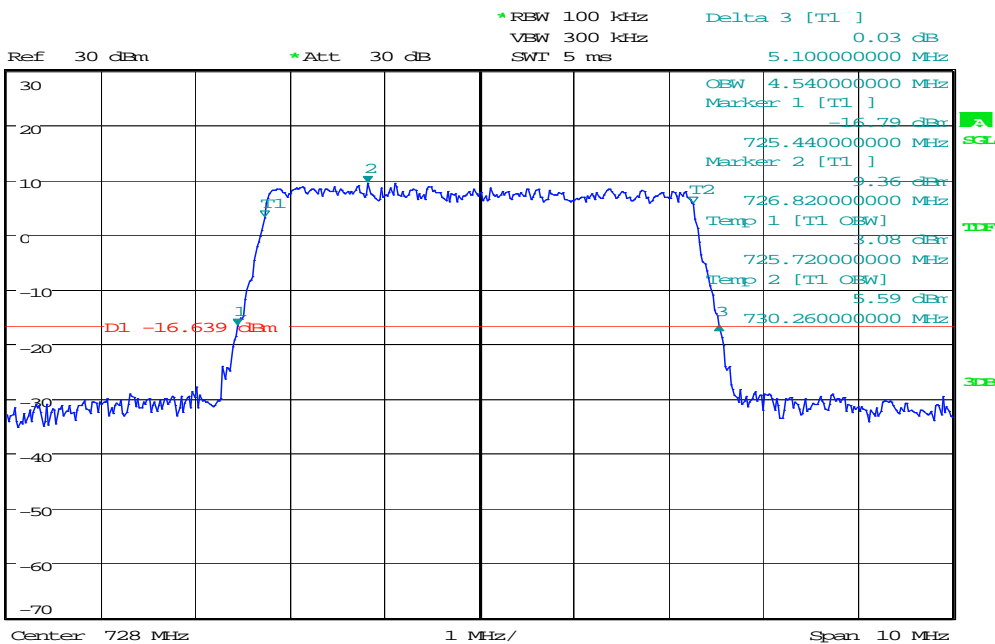
Date: 16.JUN.2016 14:58:12

BW3MHz-736MHz,Q16-15RB_LOW@OBW_2.7MHz@26dB_2.976MHz



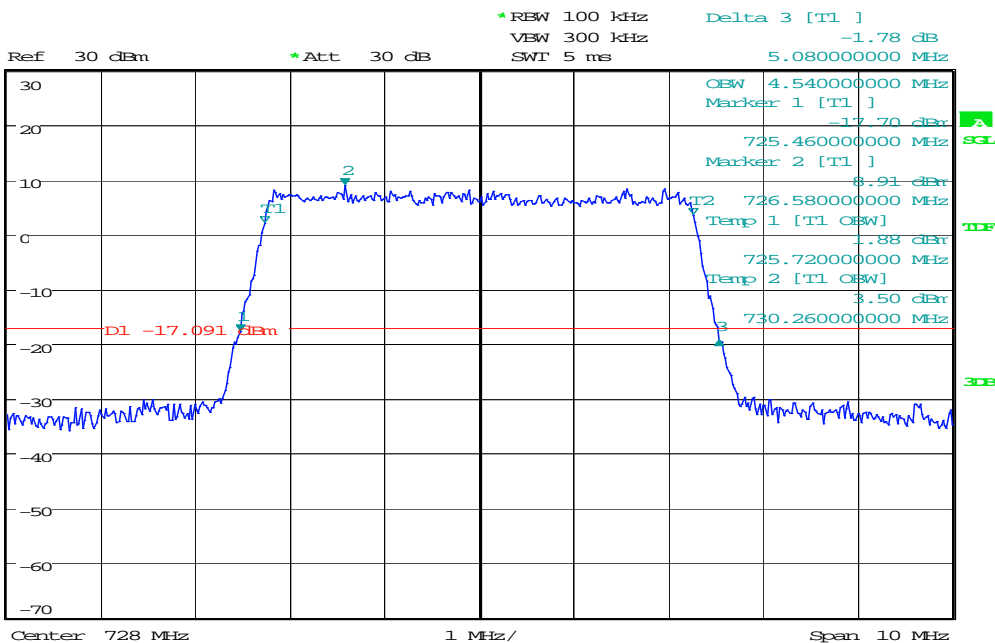
Date: 16.JUN.2016 14:58:50

BW5MHz-728MHz,QPSK-25RB_LOW@OBW_4.54MHz@26dB_5.1MHz



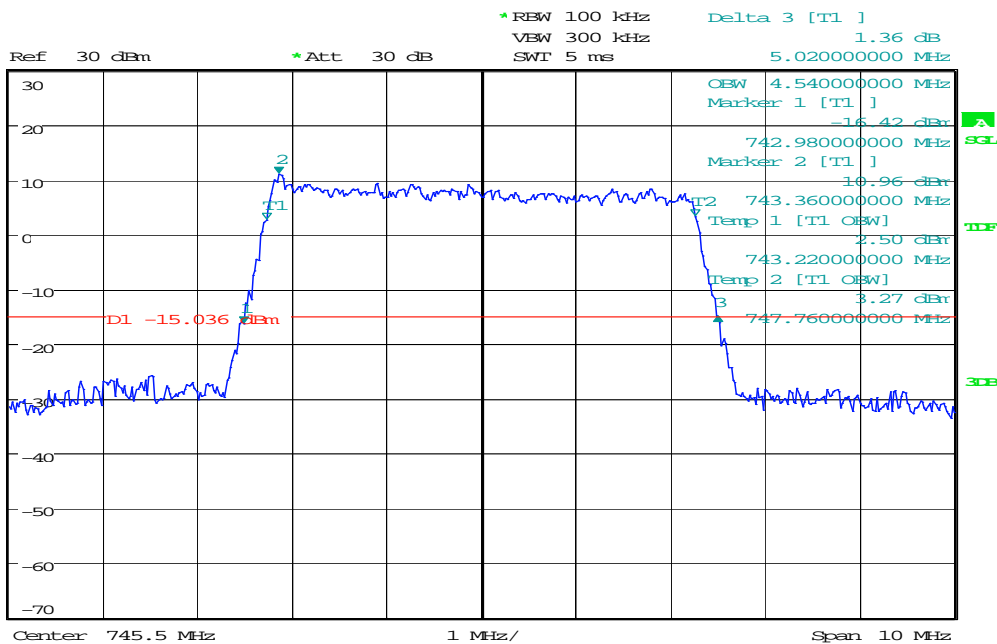
Date: 16.JUN.2016 15:00:24

BW5MHz-728MHz,Q16-25RB_LOW@OBW_4.54MHz@26dB_5.08MHz



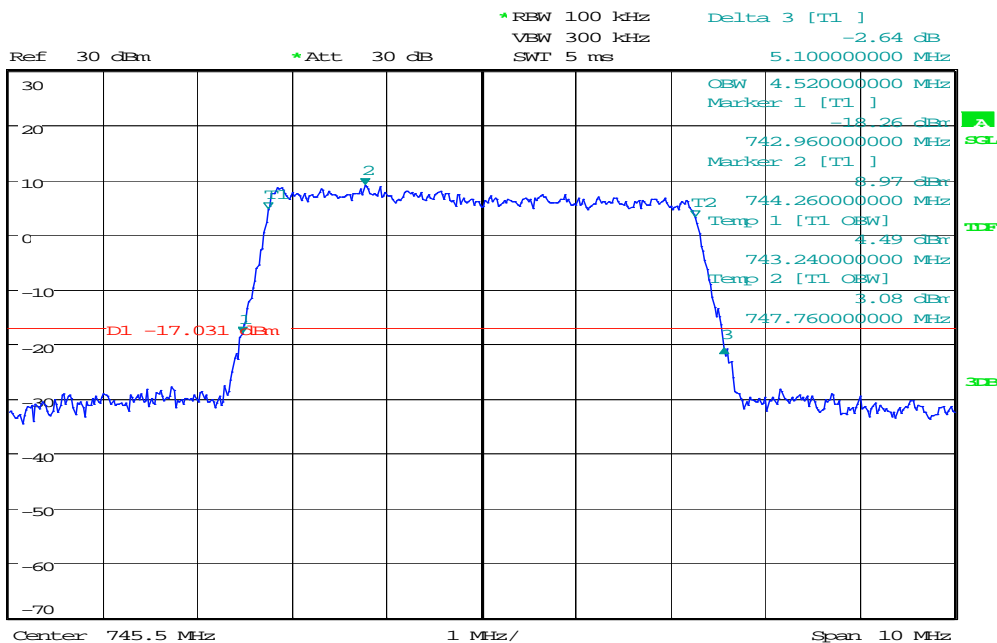
Date: 16.JUN.2016 15:02:06

BW5MHz-745.5MHz,QPSK-25RB_LOW@OBW_4.54MHz@26dB_5.02MHz



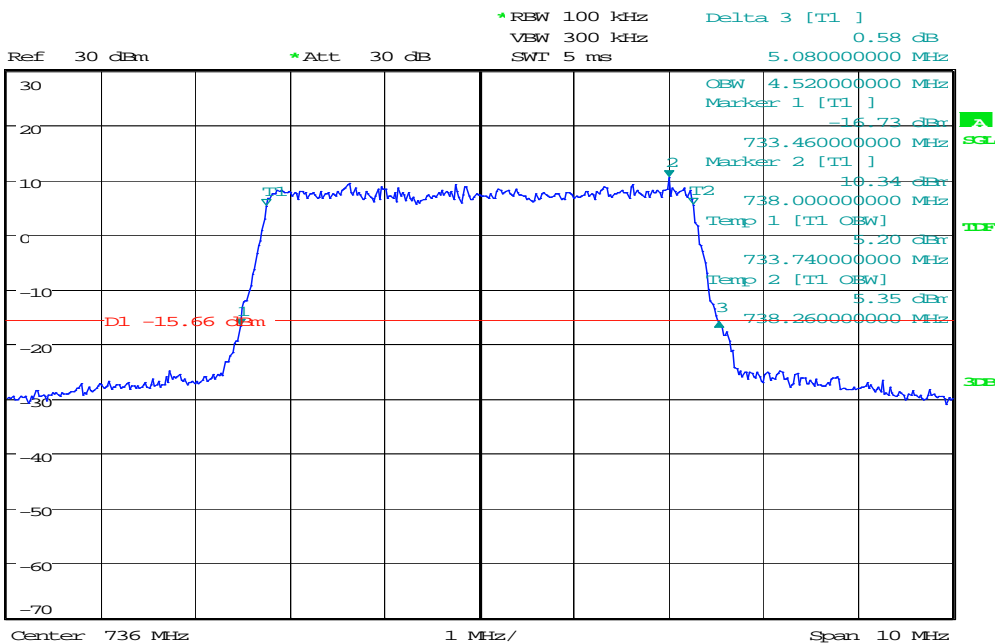
Date: 16.JUN.2016 15:03:40

BW5MHz-745.5MHz,Q16-25RB_LOW@OBW_4.52MHz@26dB_5.1MHz



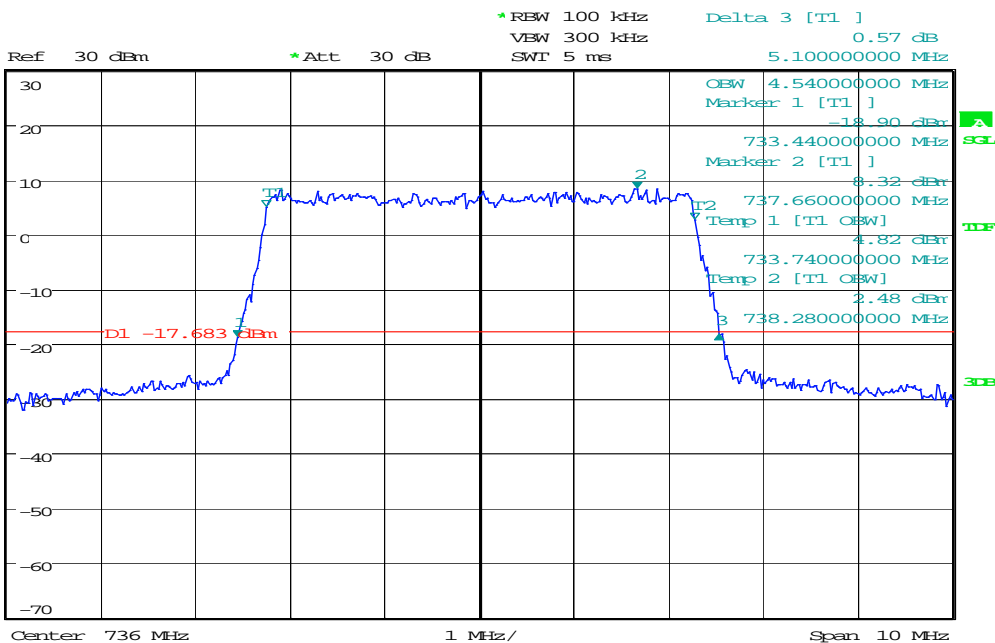
Date: 16.JUN.2016 15:05:15

BW5MHz-736MHz,QPSK-25RB_LOW@OBW_4.52MHz@26dB_5.08MHz



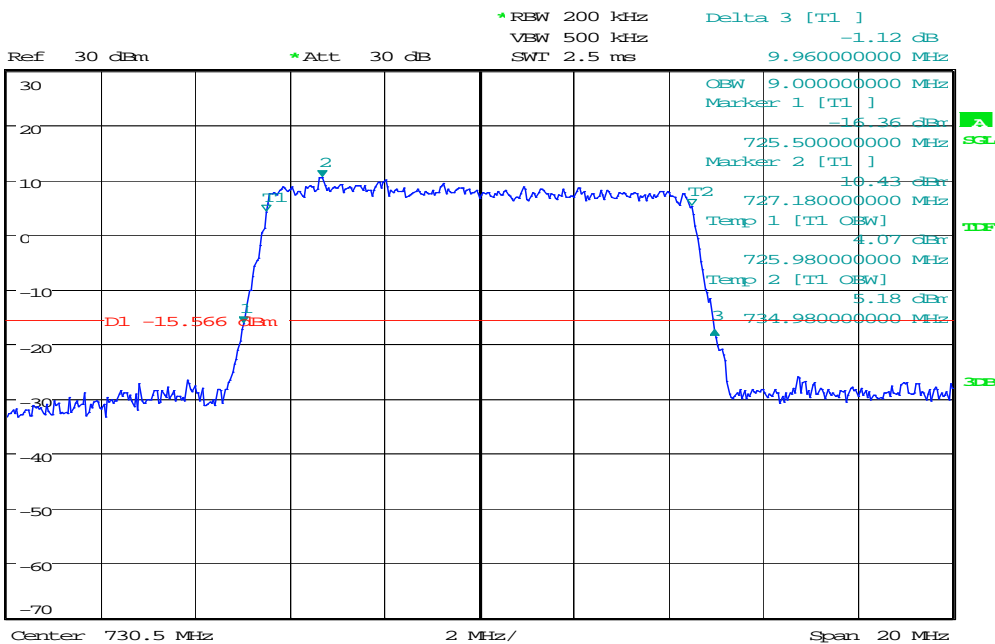
Date: 16.JUN.2016 15:06:05

BW5MHz-736MHz,Q16-25RB_LOW@OBW_4.54MHz@26dB_5.1MHz



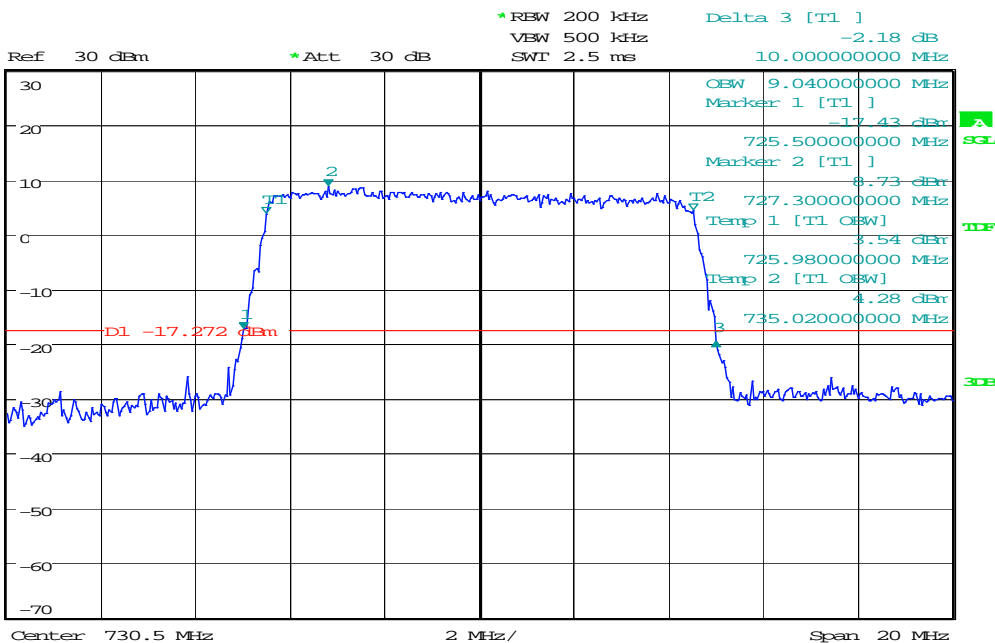
Date: 16.JUN.2016 15:06:48

BW10MHz-730.5MHz,QPSK-50RB_LOW@OBW_9.MHz@26dB_9.96MHz



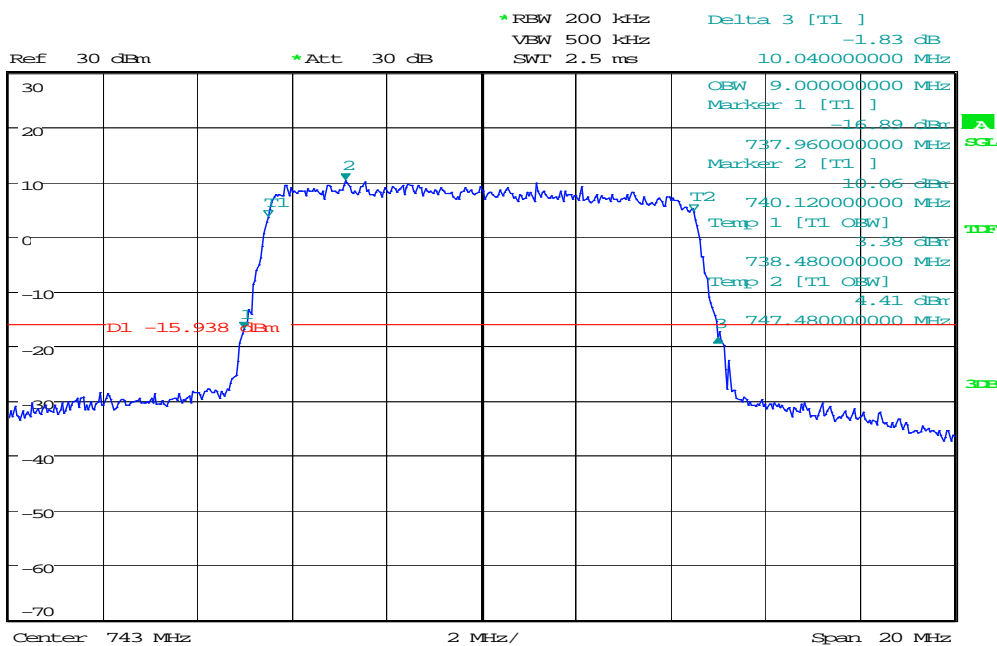
Date: 16.JUN.2016 15:08:09

BW10MHz-730.5MHz,Q16-50RB_LOW@OBW_9.04MHz@26dB_10.MHz



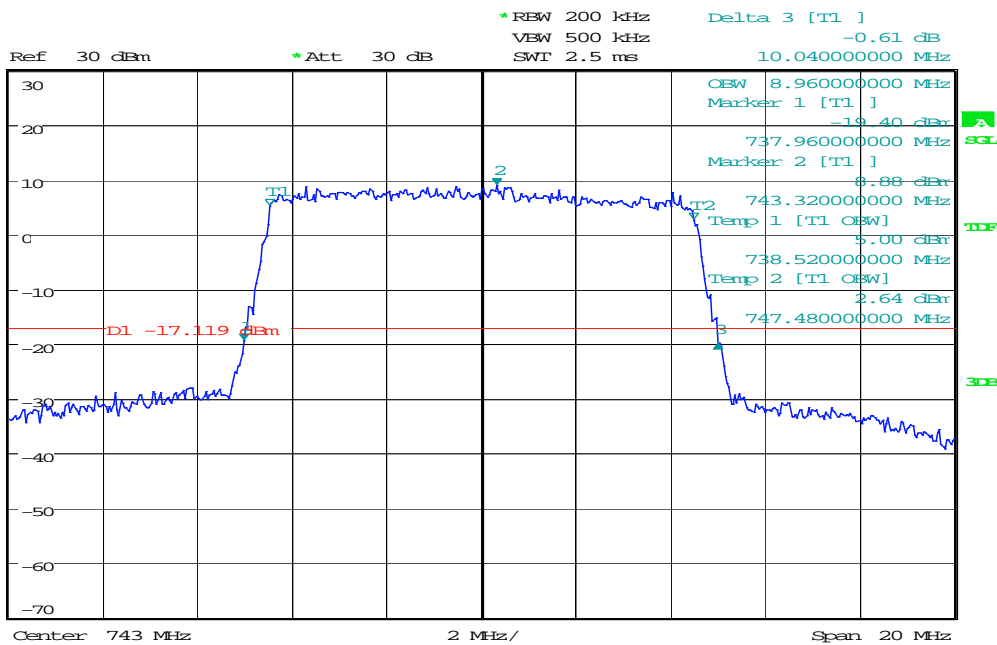
Date: 16.JUN.2016 15:09:30

BW10MHz-743MHz,QPSK-50RB_LOW@OBW_9.MHz@26dB_10.04MHz



Date: 16.JUN.2016 15:10:42

BW10MHz-743MHz,Q16-50RB_LOW@OBW_8.96MHz@26dB_10.04MHz

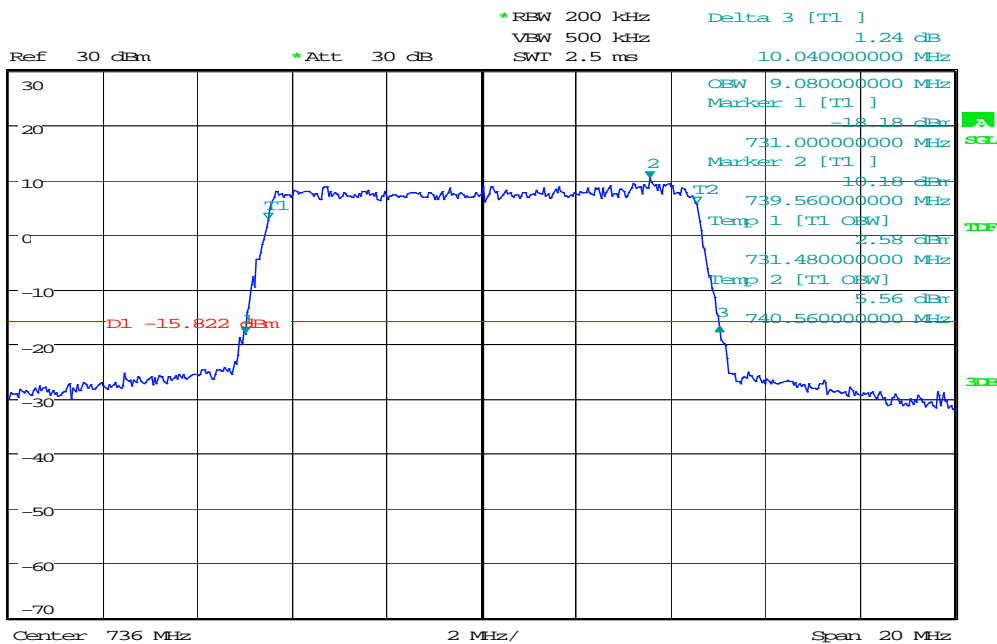


Date: 16.JUN.2016 15:11:54

BW10MHz-736MHz,QPSK-50RB_LOW@OBW_9.08MHz@26dB_10.04MHz



1.0E8
Max

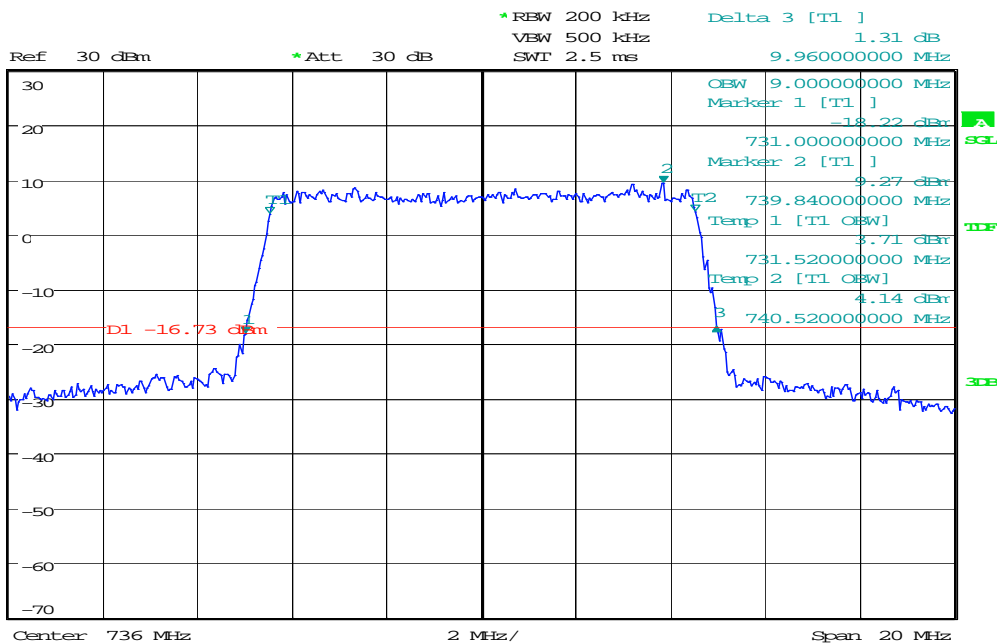


Date: 16.JUN.2016 15:12:38

BW10MHz-736MHz,Q16-50RB_LOW@OBW_9.MHz@26dB_9.96MHz

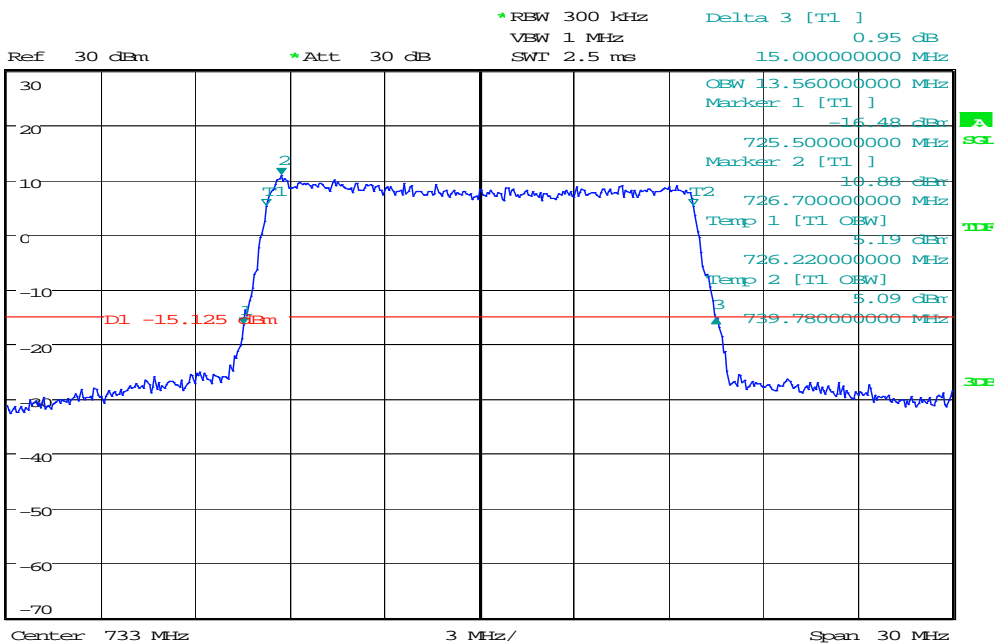


1.0E8
Max



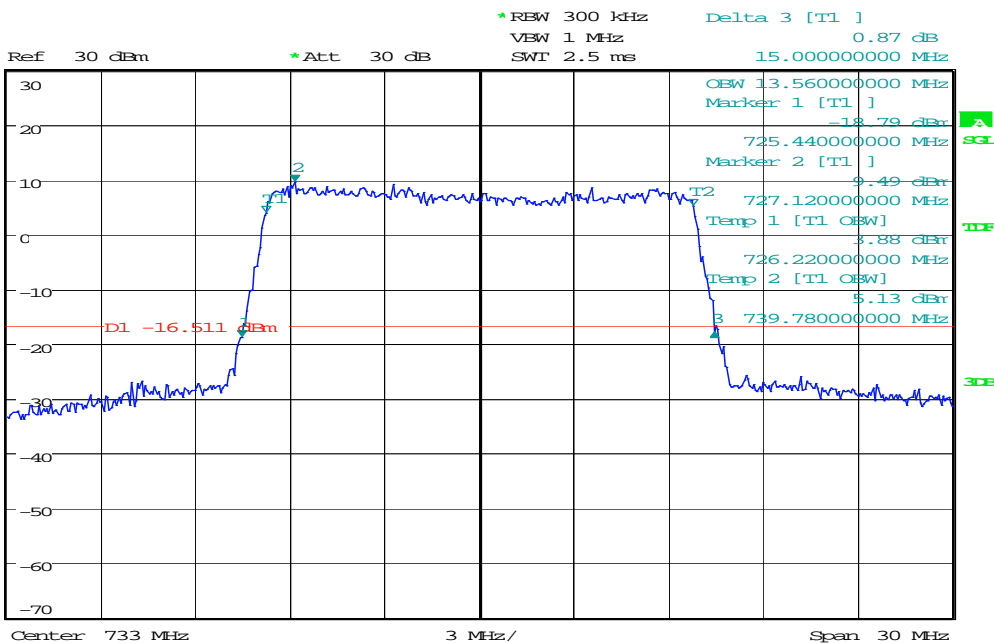
Date: 16.JUN.2016 15:13:15

BW15MHz-733MHz,QPSK-75RB_LOW@OBW_13.56MHz@26dB_15.MHz



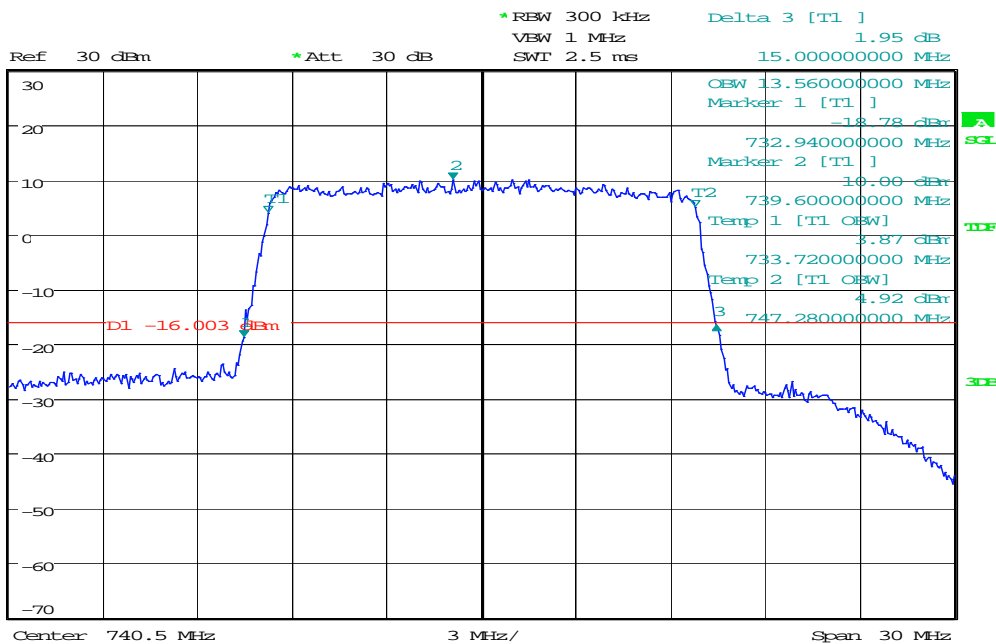
Date: 16.JUN.2016 15:14:30

BW15MHz-733MHz,Q16-75RB_LOW@OBW_13.56MHz@26dB_15.MHz



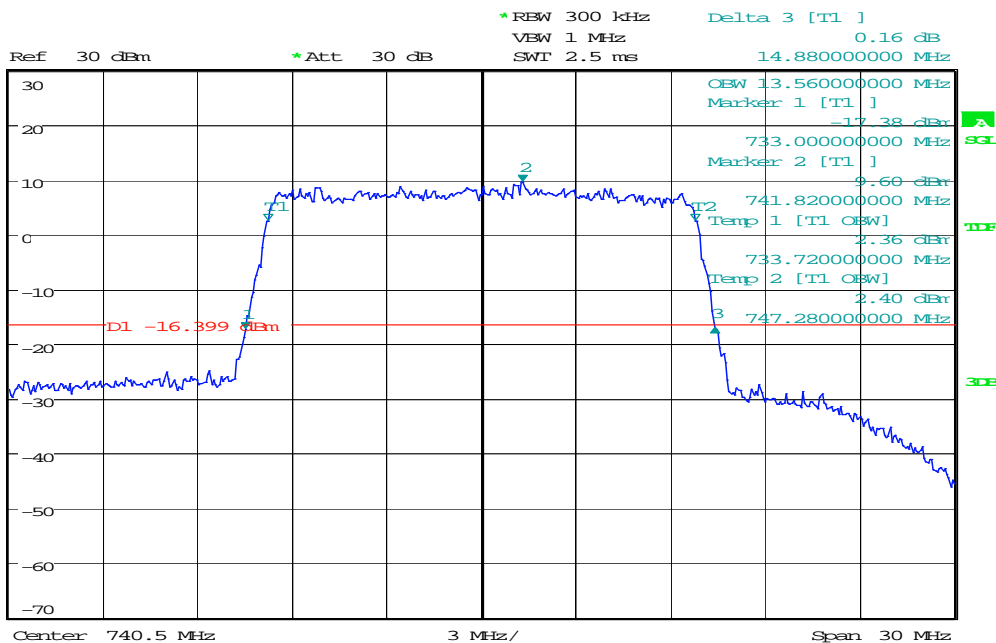
Date: 16.JUN.2016 15:15:51

BW15MHz-740.5MHz,QPSK-75RB_LOW@OBW_13.56MHz@26dB_15.MHz



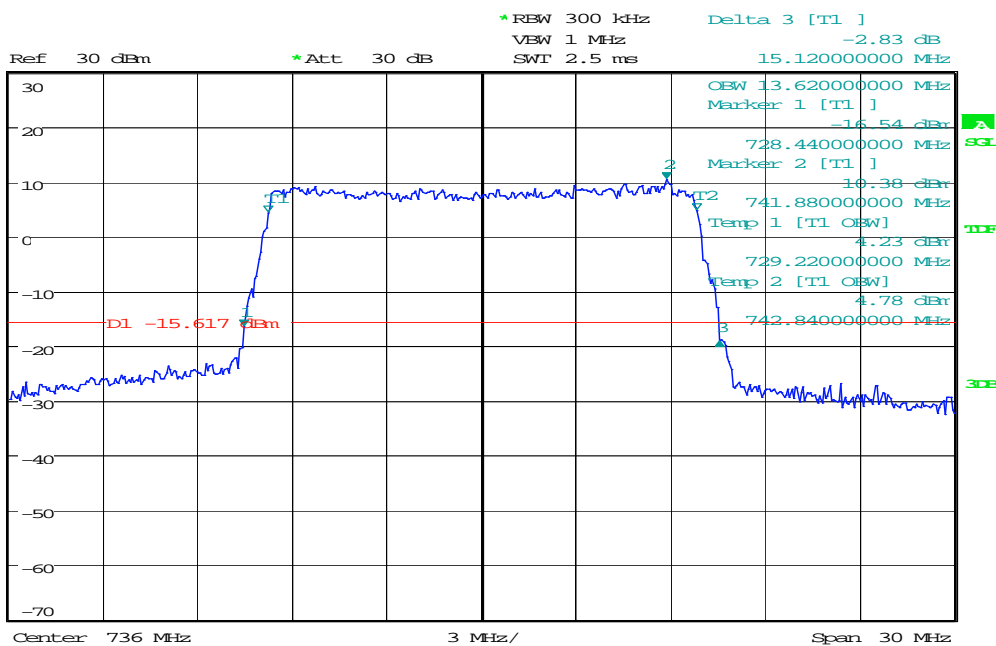
Date: 16.JUN.2016 15:17:04

BW15MHz-740.5MHz,Q16-75RB_LOW@OBW_13.56MHz@26dB_14.88MHz



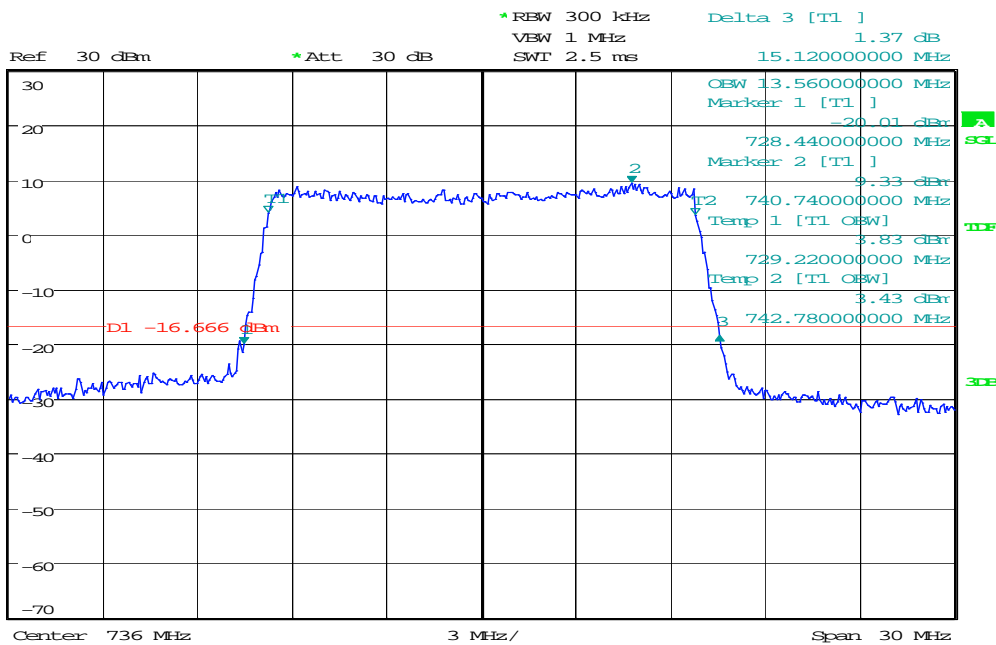
Date: 16.JUN.2016 15:18:16

BW15MHz-736MHz,QPSK-75RB_LOW@OBW_13.62MHz@26dB_15.12MHz



Date: 16.JUN.2016 15:19:03

BW15MHz-736MHz,Q16-75RB_LOW@OBW_13.56MHz@26dB_15.12MHz

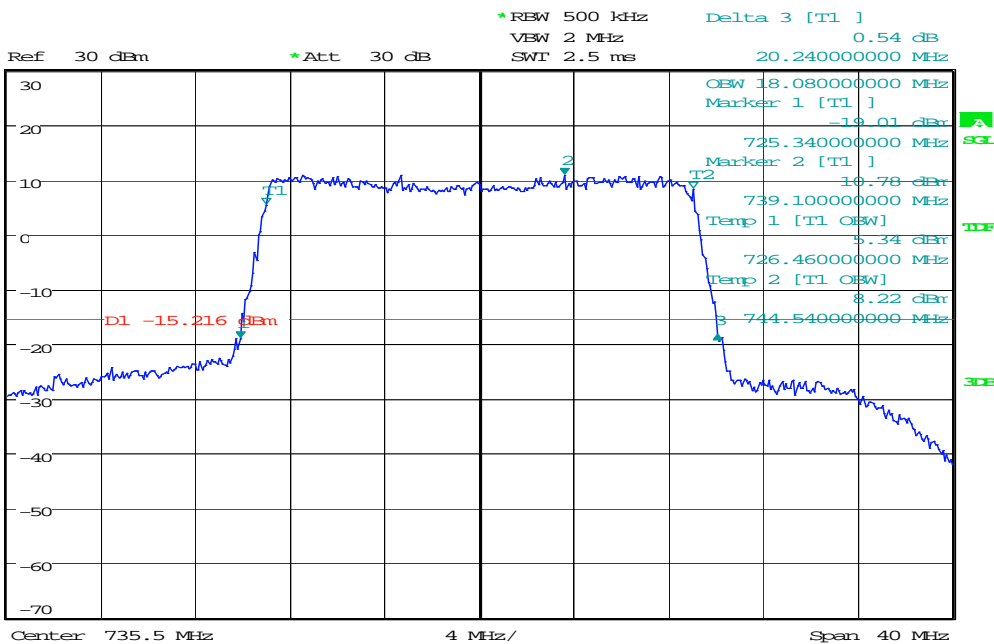


Date: 16.JUN.2016 15:19:42

BW20MHz-735.5MHz,QPSK-100RB_LOW@OBW_18.08MHz@26dB_20.24MHz



1.0E8
Max8

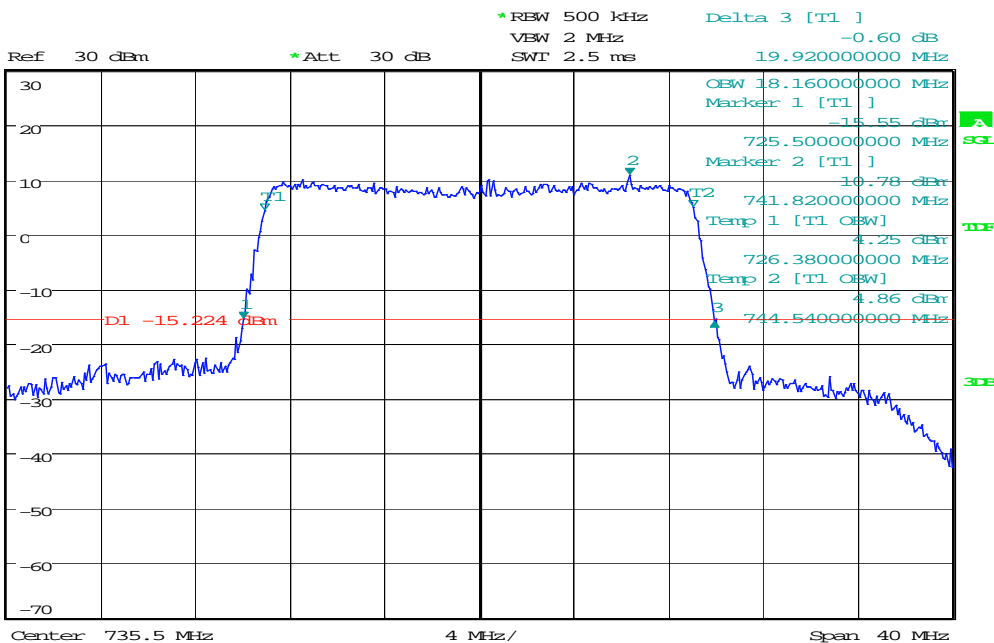


Date: 16.JUN.2016 15:21:03

BW20MHz-735.5MHz,Q16-100RB_LOW@OBW_18.16MHz@26dB_19.92MHz



1.0E8
Max8



Date: 16.JUN.2016 15:22:31