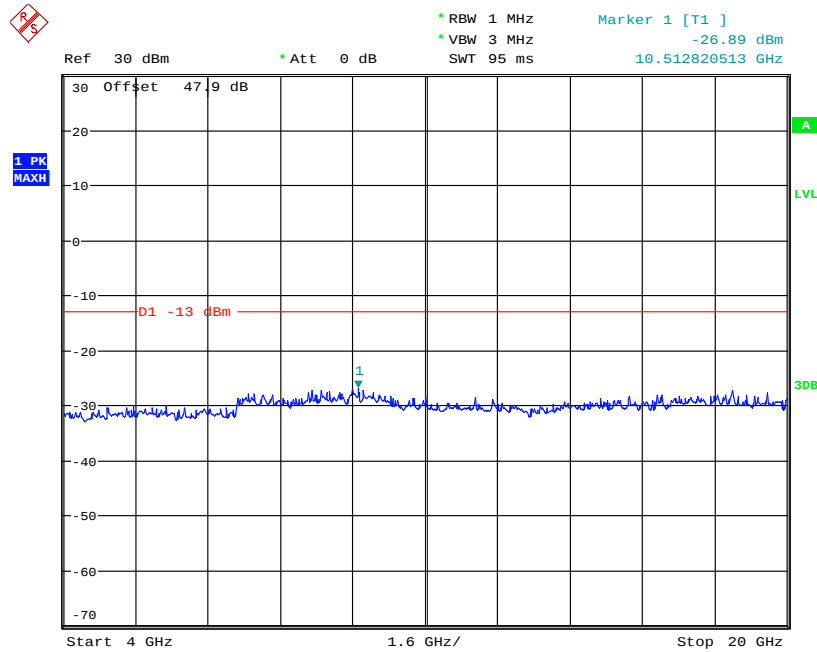
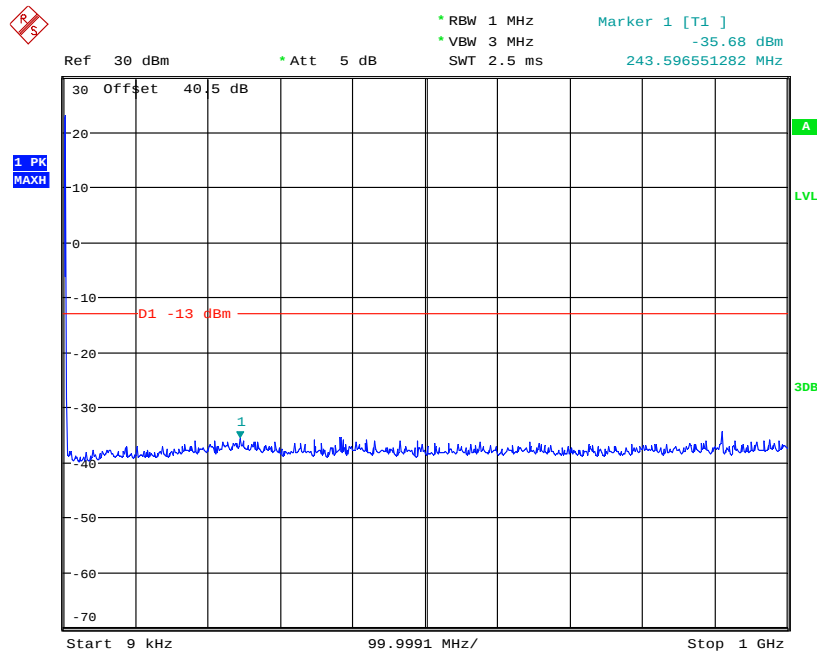


Channel Position M - GMSK - 4GHz – 20GHz



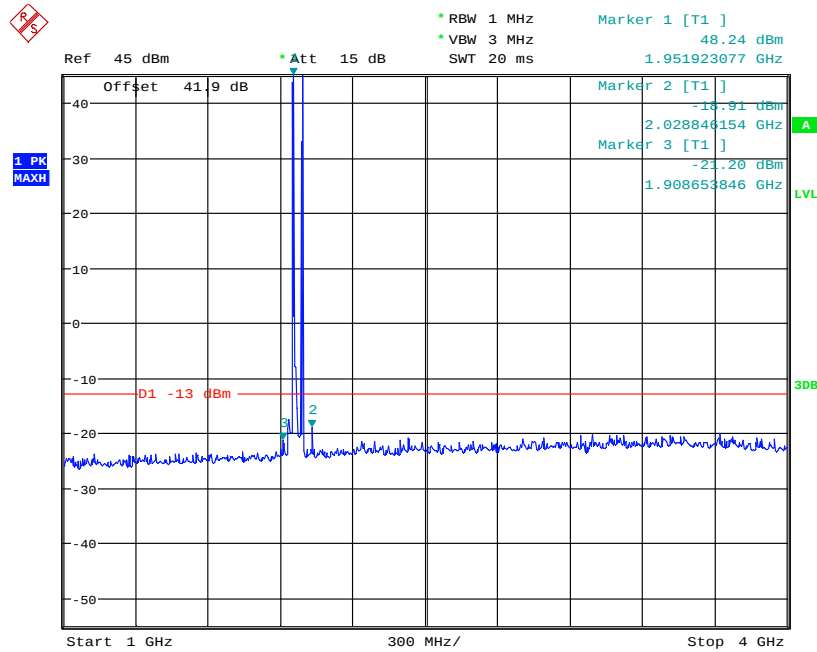
Date: 29.APR.2014 09:33:44

Channel Position T - GMSK - 9kHz – 1GHz



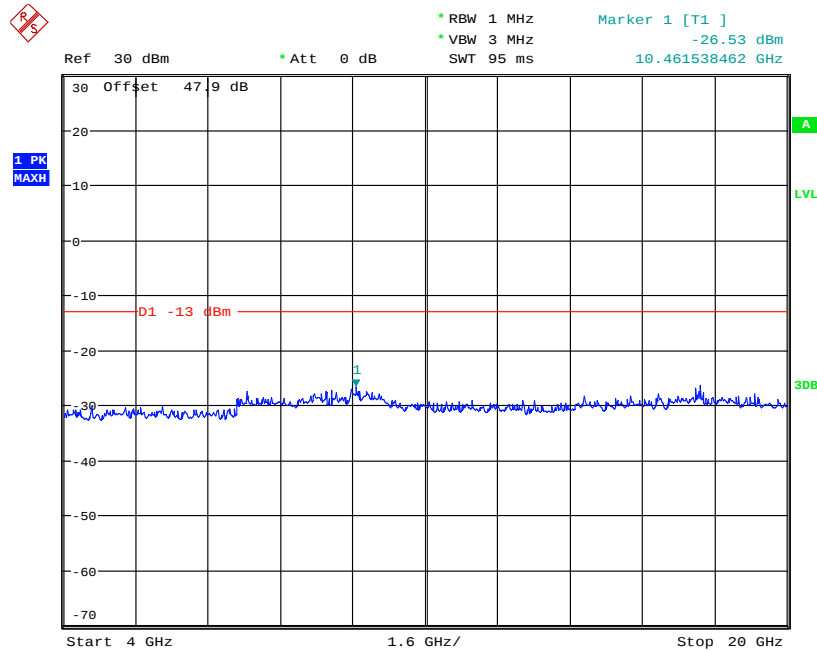
Date: 28.APR.2014 16:43:15

Channel Position T - GMSK - 1GHz – 4GHz



Date: 29.APR.2014 09:43:29

Channel Position T - GMSK - 4GHz – 20GHz



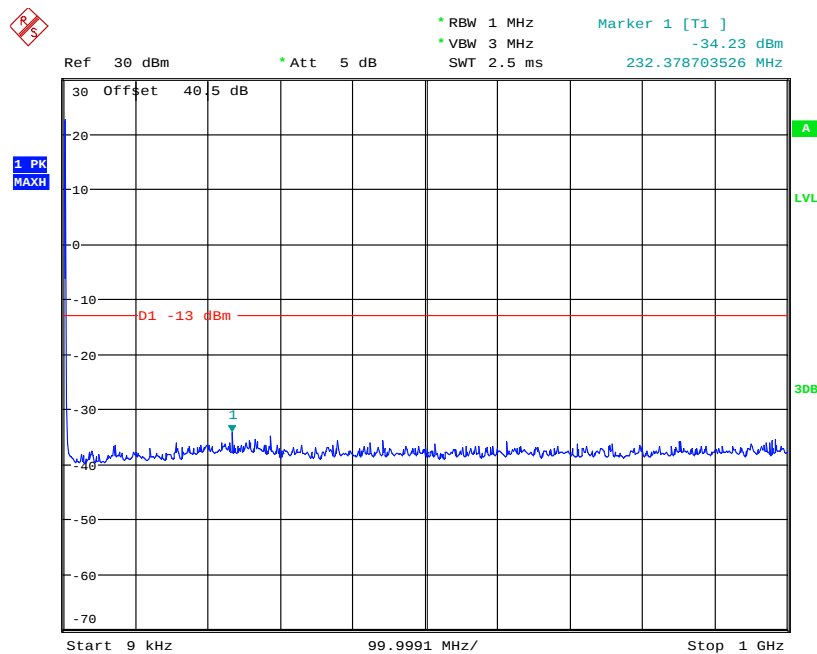
Date: 29.APR.2014 09:44:12

Configuration G-MC 3 (8C)

Maximum Output Power 38.0dBm per carrier

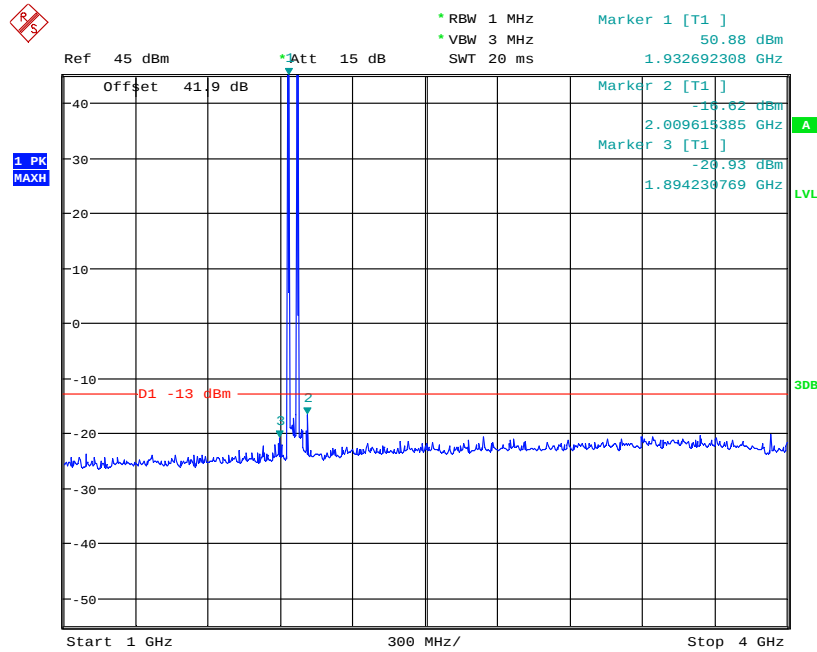
Channel Position	Channel Frequencies
Channel Position B	Port A1: 1930.4MHz + 1930.8MHz + 1931.2MHz + 1931.6MHz 1968.6MHz + 1969.0MHz + 1969.4MHz + 1969.8MHz
Channel Position M	Port A1: 1940.2MHz + 1940.6MHz + 1941.0MHz + 1941.4MHz 1978.6MHz + 1979.0MHz + 1979.4MHz + 1979.8MHz
Channel Position T	Port A1: 1950.2MHz + 1950.6MHz + 1951.0MHz + 1951.4MHz 1988.4MHz + 1988.8MHz + 1989.2MHz + 1989.6MHz

Channel Position B - GMSK - 9kHz – 1GHz



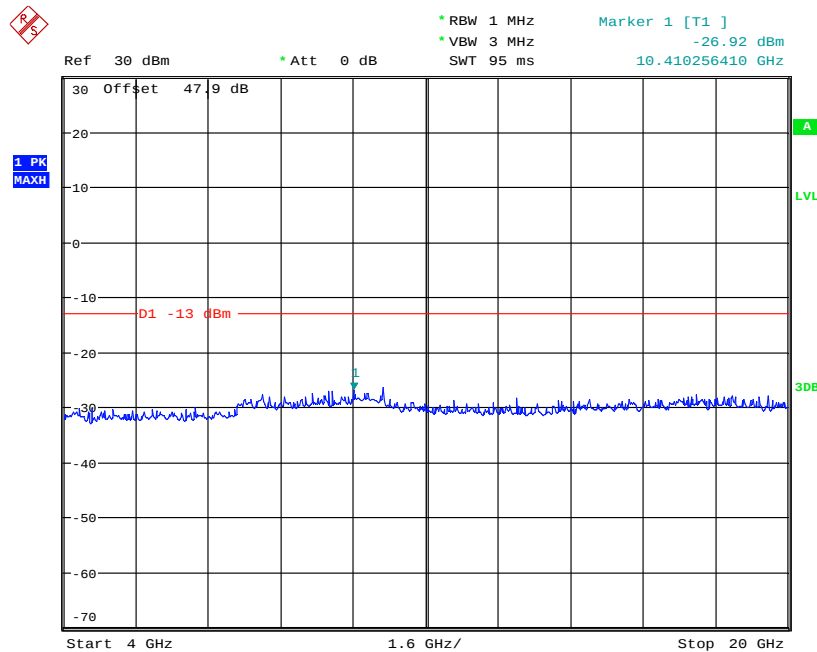
Date: 29.APR.2014 10:10:21

Channel Position B - GMSK - 1GHz – 4GHz



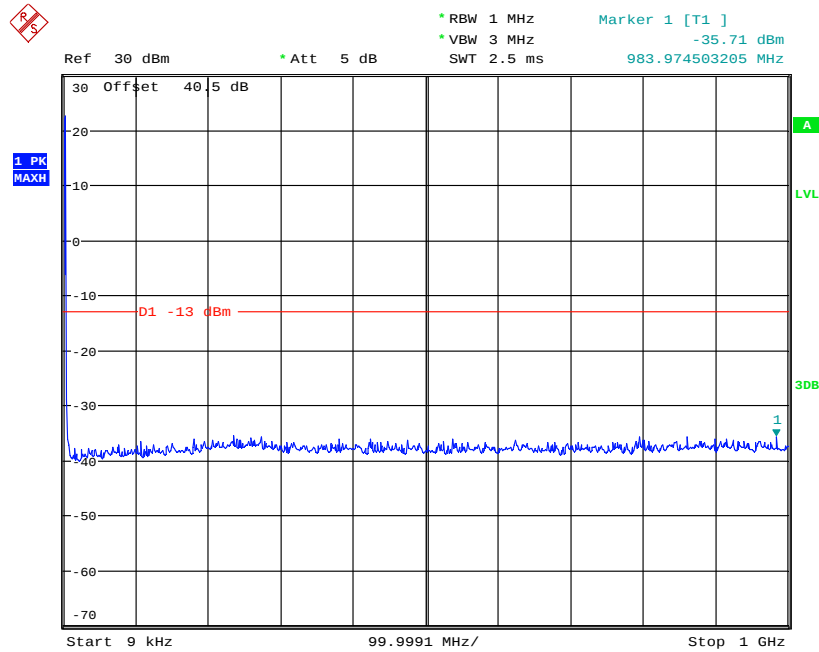
Date: 29.APR.2014 09:58:46

Channel Position B - GMSK - 4GHz – 20GHz



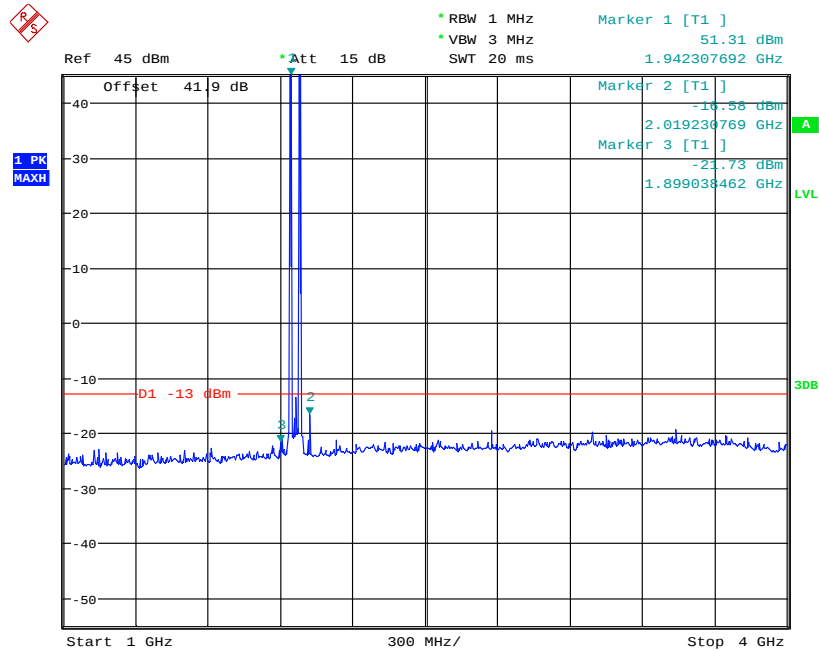
Date: 29.APR.2014 09:59:34

Channel Position M - GMSK - 9kHz – 1GHz



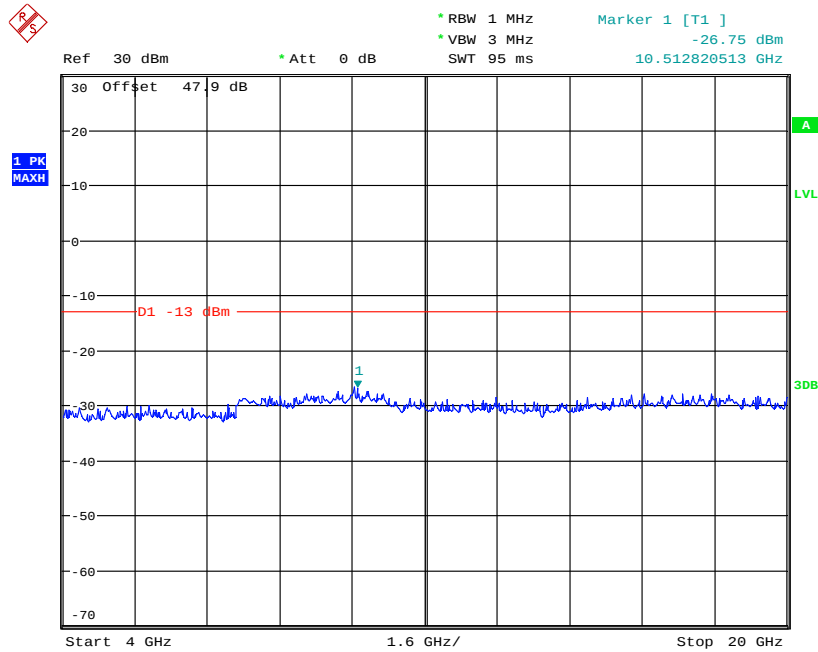
Date: 29.APR.2014 10:11:45

Channel Position M - GMSK - 1GHz – 4GHz



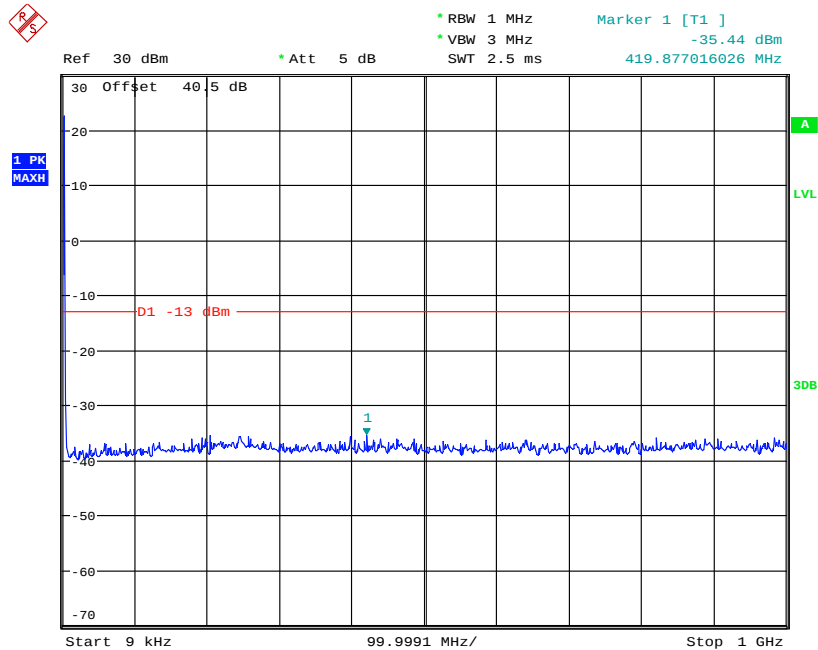
Date: 29.APR.2014 10:03:45

Channel Position M - GMSK - 4GHz – 20GHz



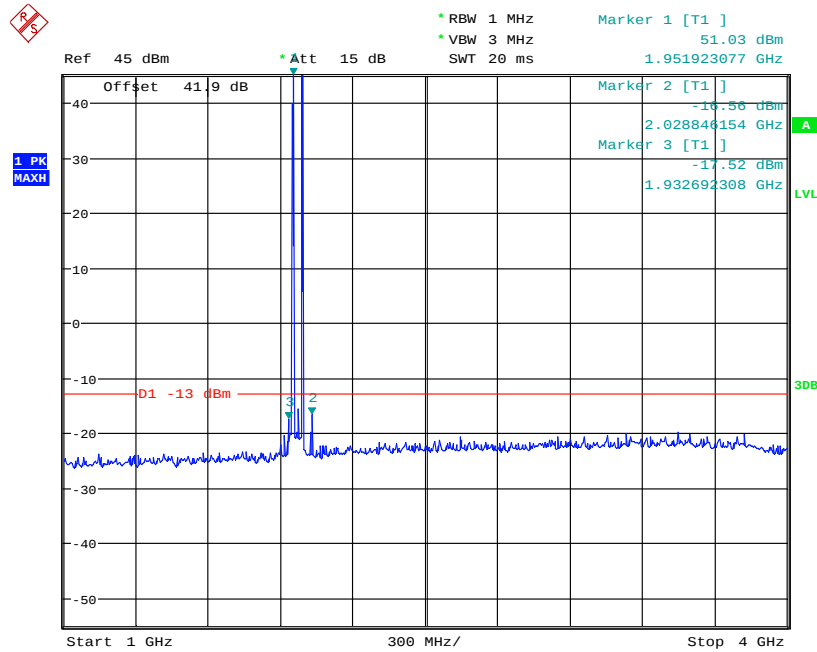
Date: 29.APR.2014 10:01:44

Channel Position T - GMSK - 9kHz – 4GHz



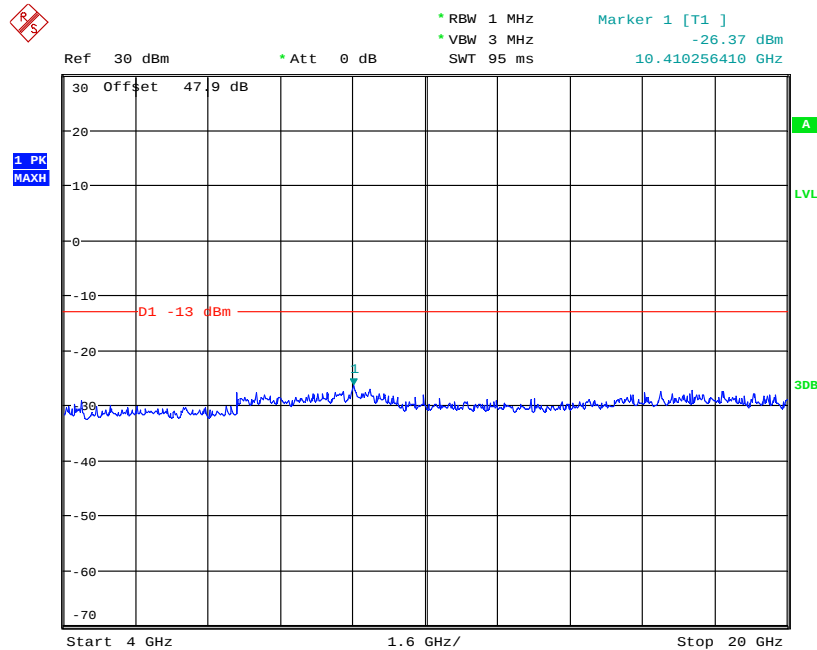
Date: 29.APR.2014 10:13:06

Channel Position T - GMSK - 1GHz – 4GHz



Date: 29.APR.2014 10:06:08

Channel Position T - GMSK - 4GHz – 20GHz



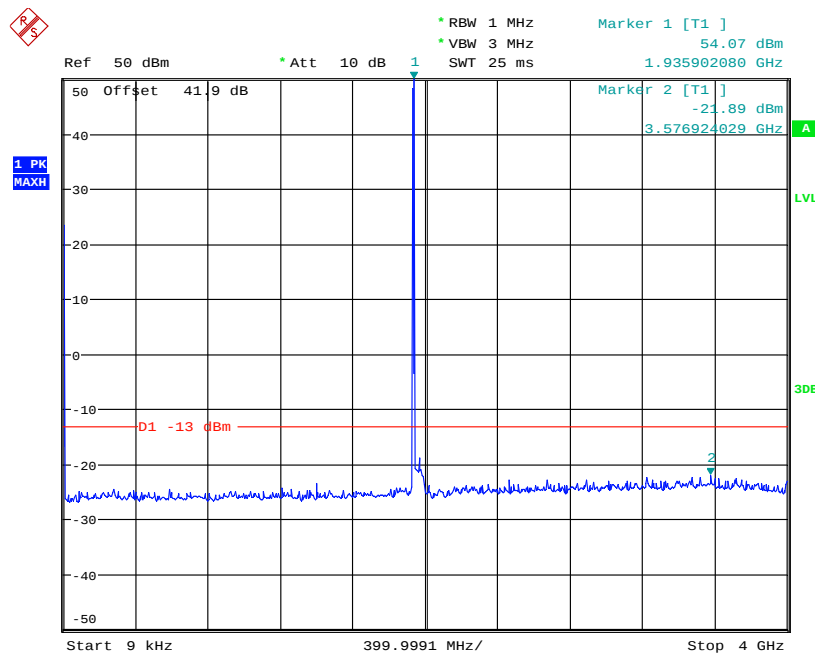
Date: 29.APR.2014 10:07:14

Configuration W-SC

Maximum Output Power 49.0dBm per carrier

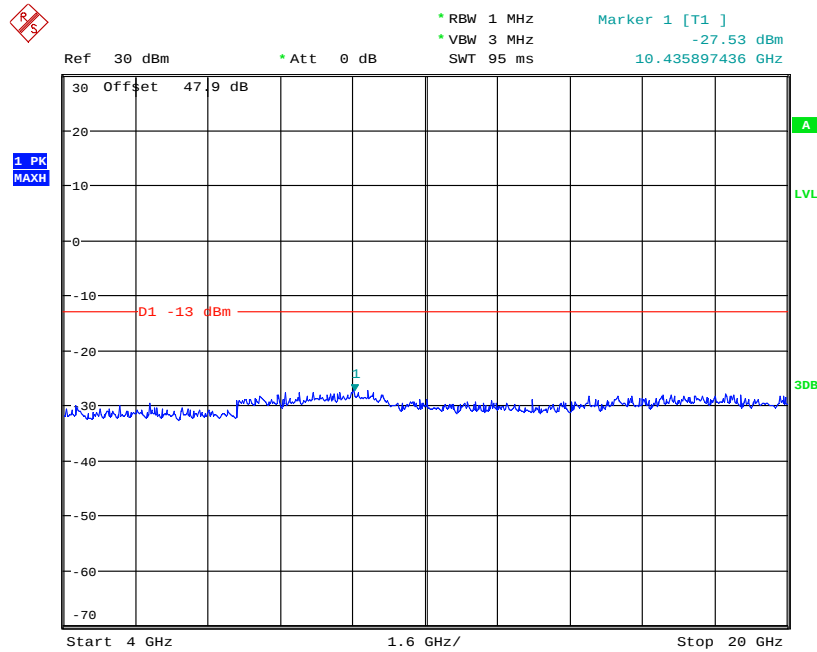
Channel Position	Channel Frequency
Channel Position B	Port A1: 1932.4MHz
Channel Position M	Port A1: 1960.0MHz
Channel Position T	Port A1: 1987.6MHz

Channel Position B - QPSK - 9kHz – 4GHz



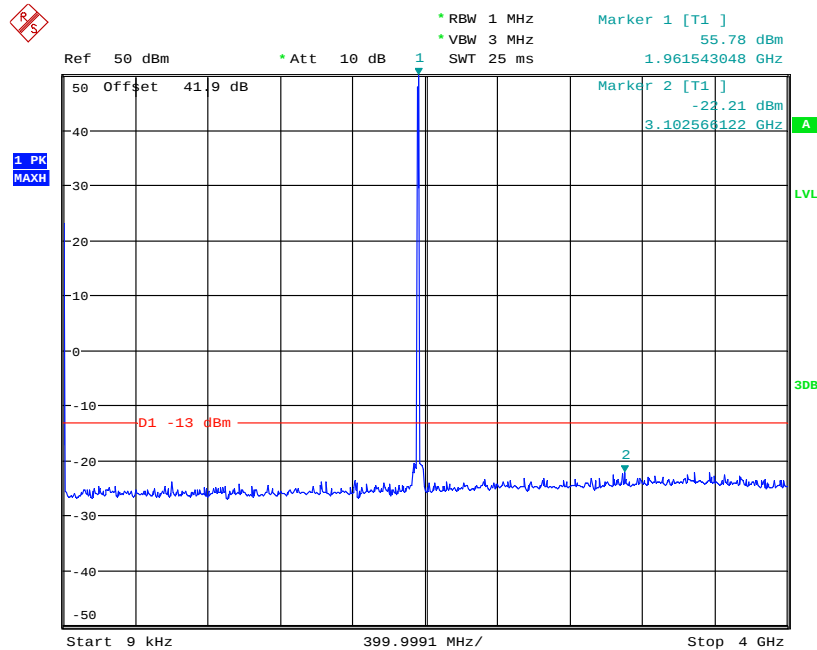
Date: 29.APR.2014 14:41:42

Channel Position B - QPSK - 4GHz – 20GHz



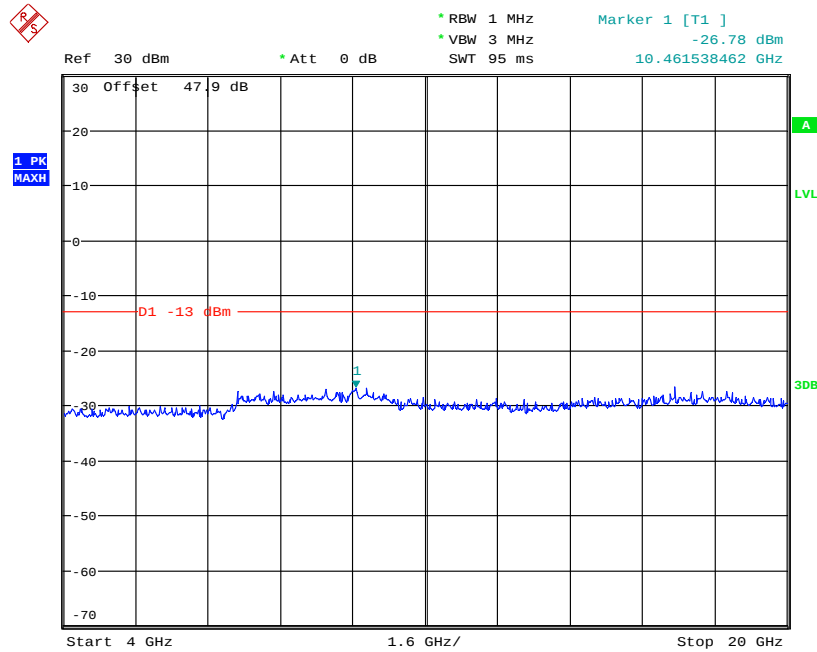
Date: 29.APR.2014 14:42:27

Channel Position M - QPSK - 9kHz – 4GHz



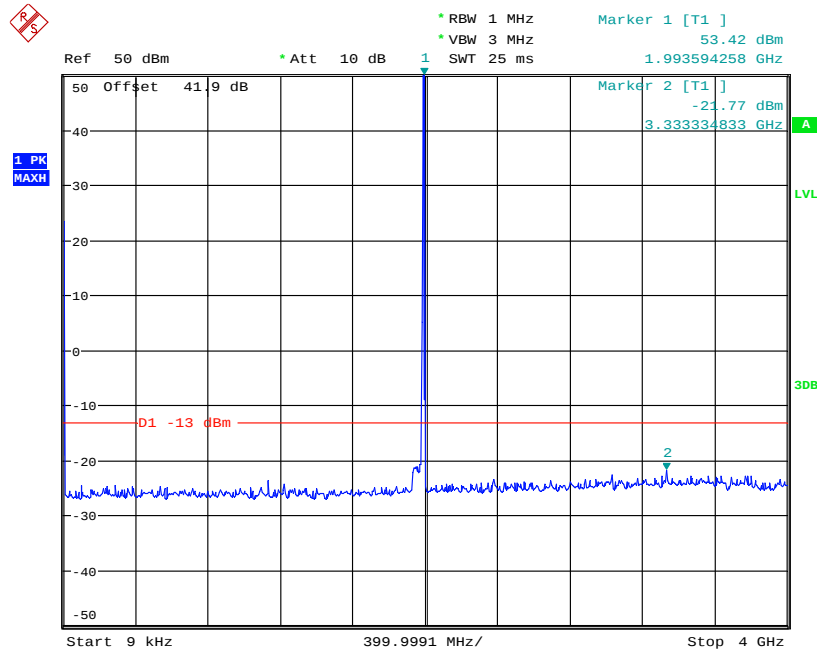
Date: 29.APR.2014 14:54:15

Channel Position M - QPSK - 4GHz – 20GHz



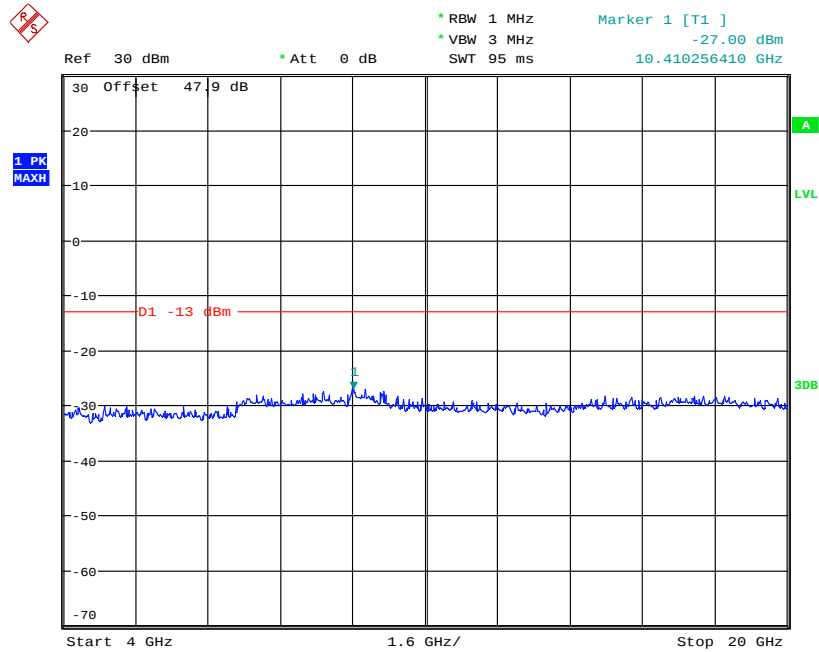
Date: 29.APR.2014 14:53:03

Channel Position T - QPSK - 9kHz – 4GHz



Date: 29.APR.2014 15:04:44

Channel Position T - QPSK - 4GHz – 20GHz



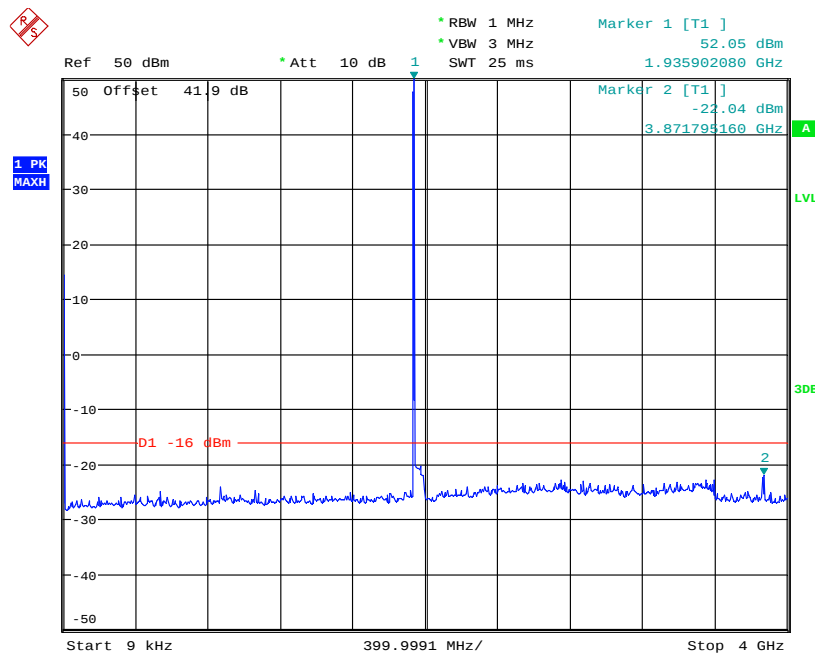
Date: 29.APR.2014 15:05:26

Configuration W-MIMO-SC

Maximum Output Power 47.0dBm per carrier

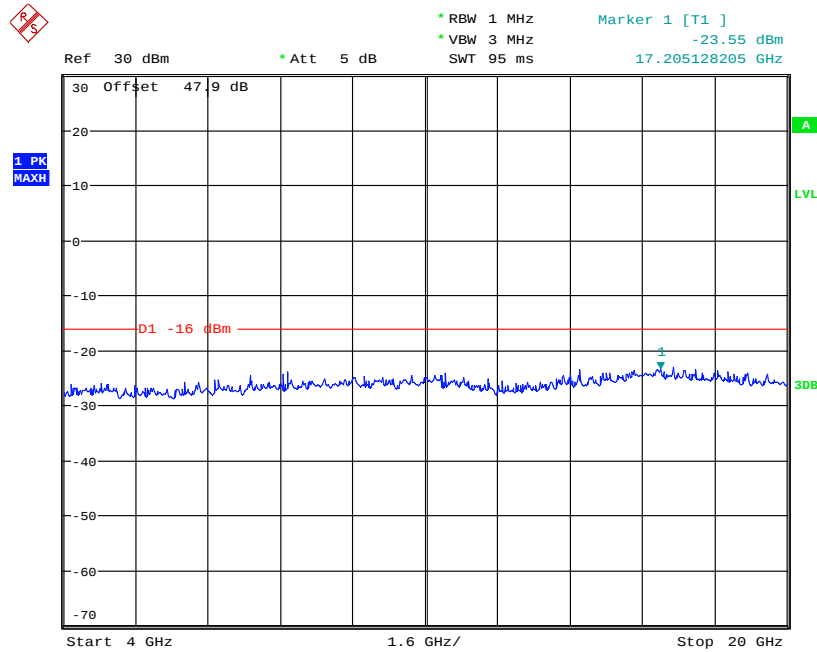
Channel Position	Channel Frequency
Channel Position B	1932.4MHz
Channel Position M	1960.0MHz
Channel Position T	1987.6MHz

Channel Position B - 16QAM - 9kHz – 4GHz



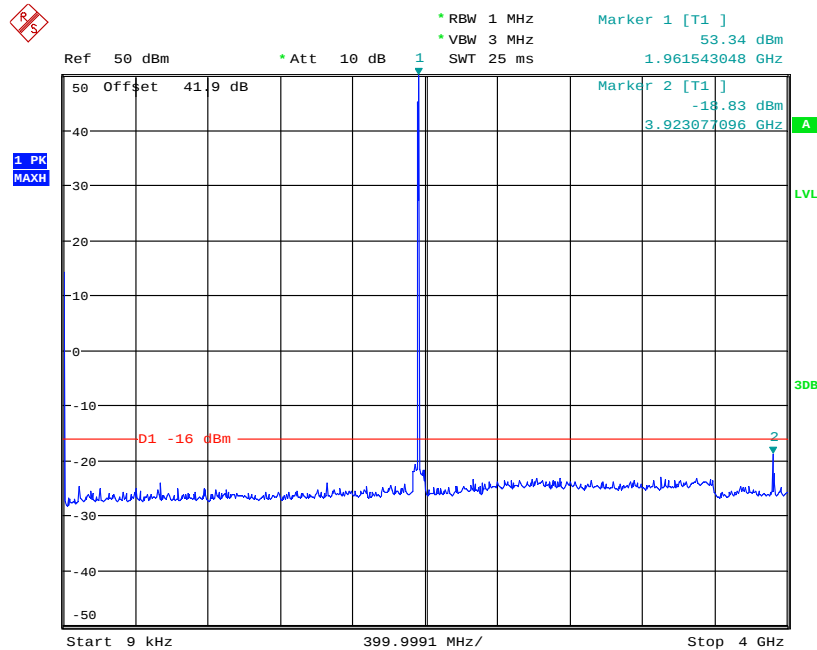
Date: 19.MAY.2014 05:38:12

Channel Position B - 16QAM - 4GHz – 20GHz



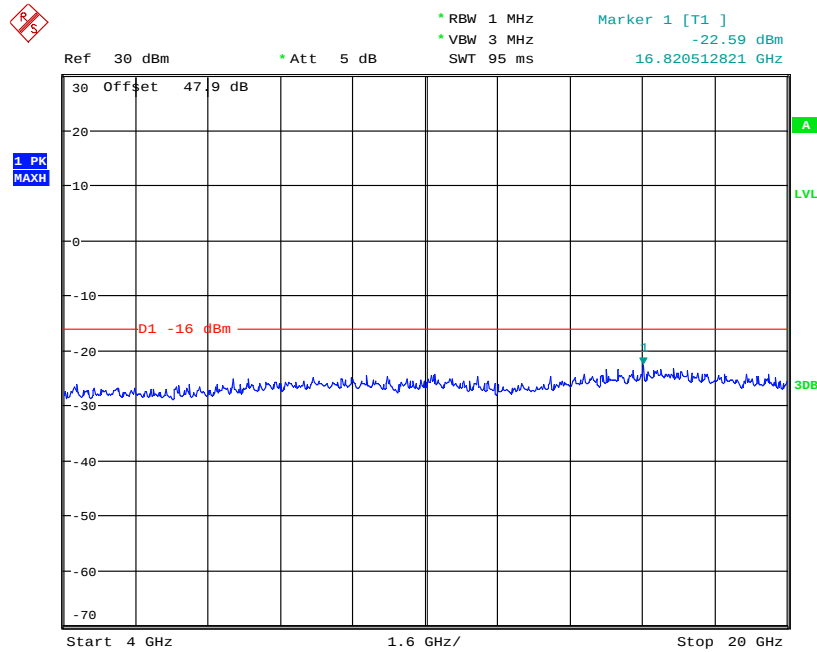
Date: 19.MAY.2014 05:42:33

Channel Position M - 16QAM - 9kHz – 4GHz



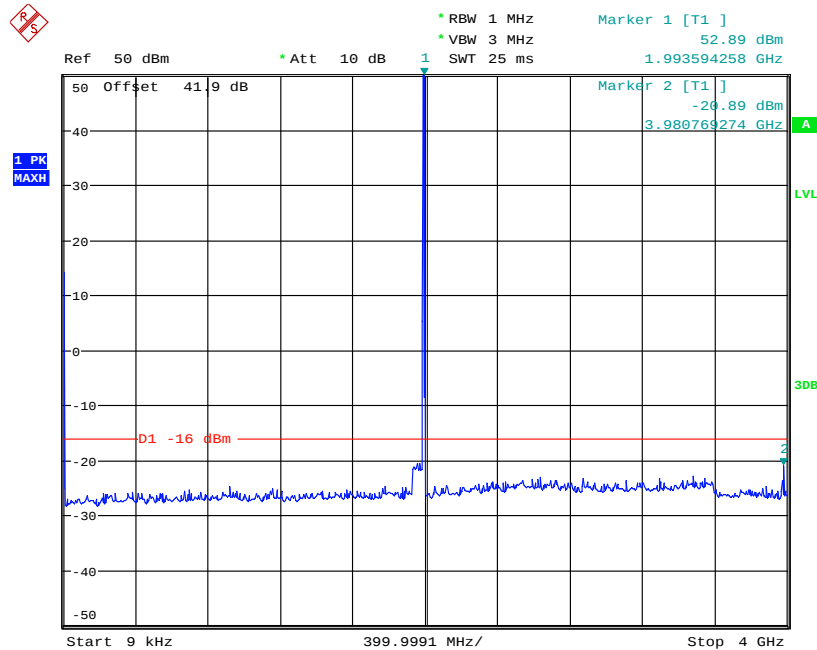
Date: 19.MAY.2014 05:46:20

Channel Position M - 16QAM - 4GHz – 20GHz



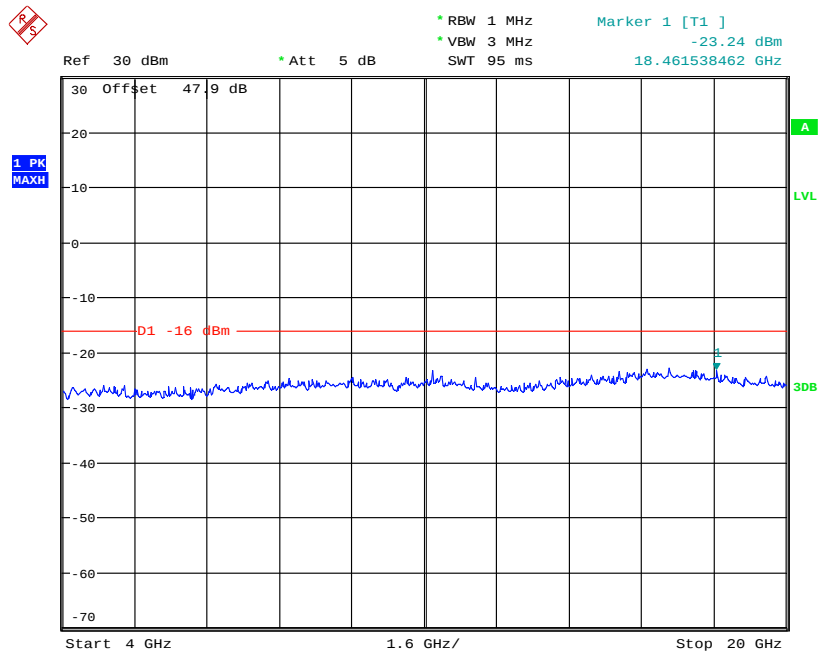
Date: 19.MAY.2014 05:42:15

Channel Position T - 16QAM - 9kHz – 4GHz



Date: 19.MAY.2014 05:47:50

Channel Position T - 16QAM - 4GHz – 20GHz



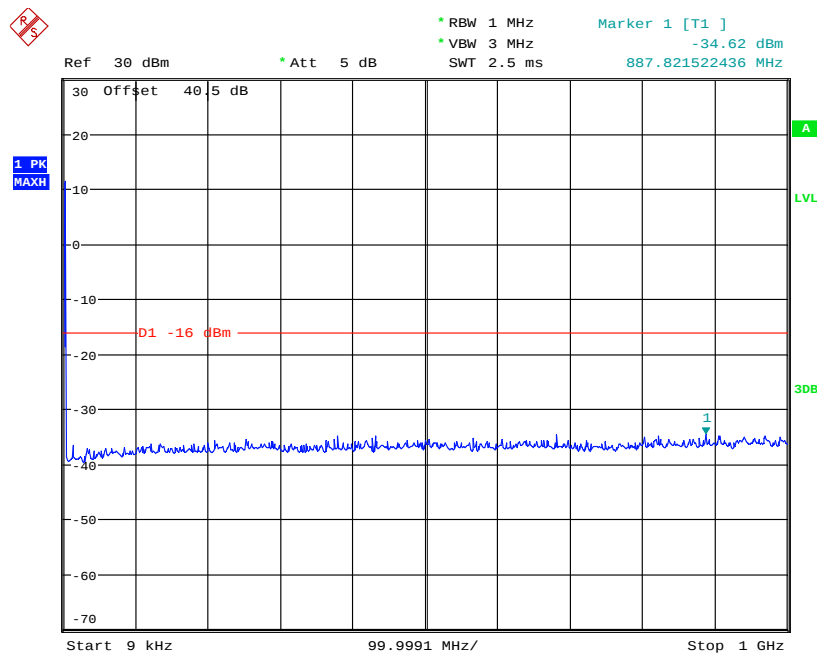
Date: 19.MAY.2014 05:48:37

Configuration W-MIMO-MC 1 (2C)

Maximum Output Power 45.8dBm per carrier

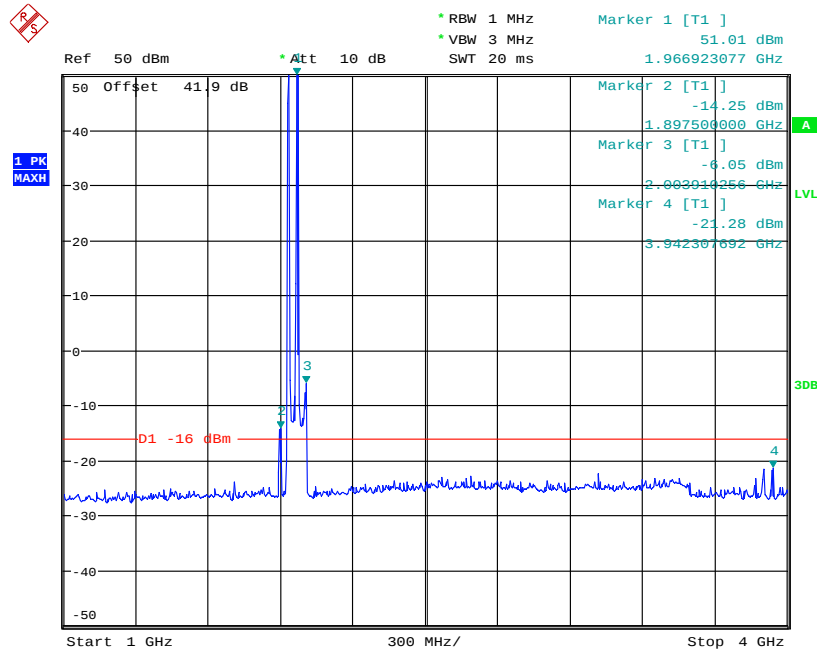
Channel Position	Channel Frequencies
Channel Position B	Port A1: 1932.4MHz + 1967.6MHz
Channel Position M	Port A1: 1942.4MHz + 1977.6MHz
Channel Position T	Port A1: 1952.4MHz + 1987.6MHz

Channel Position B - 16QAM - 9kHz – 1GHz



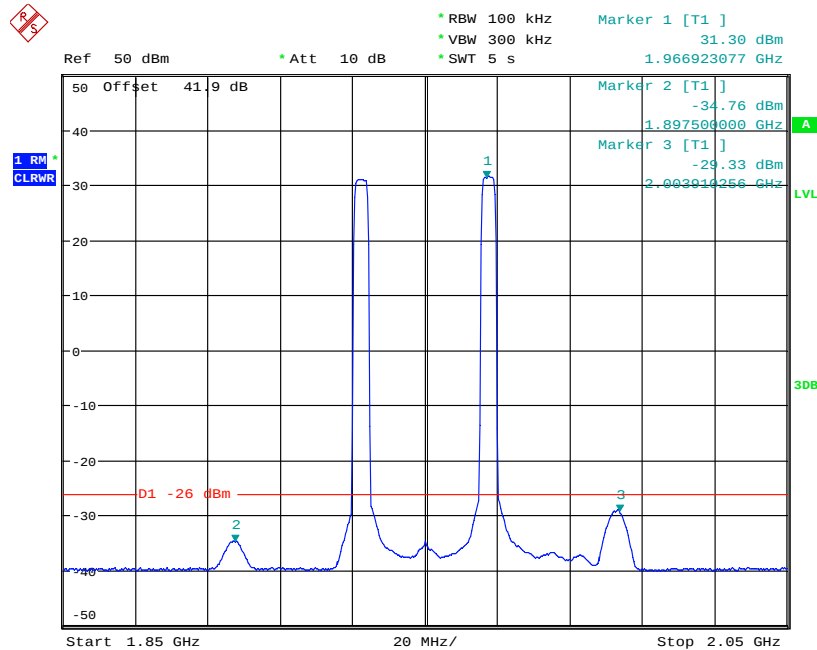
Date: 30.APR.2014 09:50:49

Channel Position B - 16QAM - 1GHz – 4GHz



Date: 30.APR.2014 08:50:20

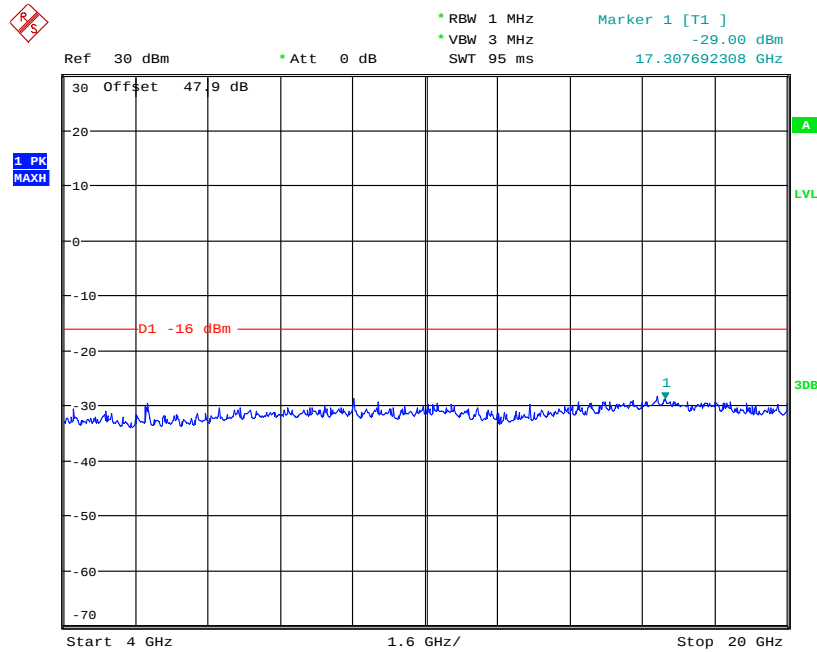
Channel Position B - 16QAM - 1.85GHz – 2.05GHz



Date: 30.APR.2014 08:48:47

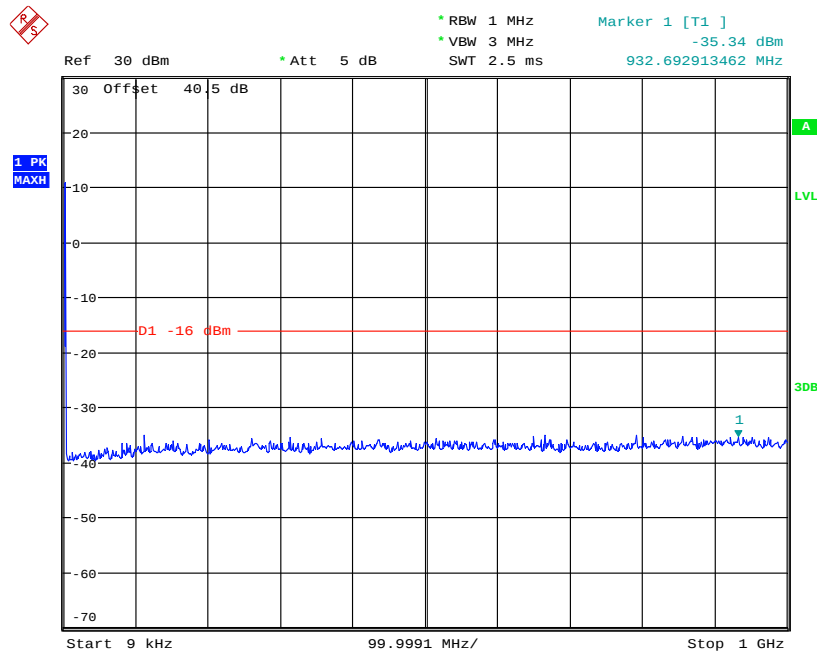
Note: A resolution bandwidth of 100kHz was used, to compensate for the reduced measurement bandwidth, the limit was adjusted from -16dBm to -26dBm.

Channel Position B - 16QAM - 4GHz – 20GHz



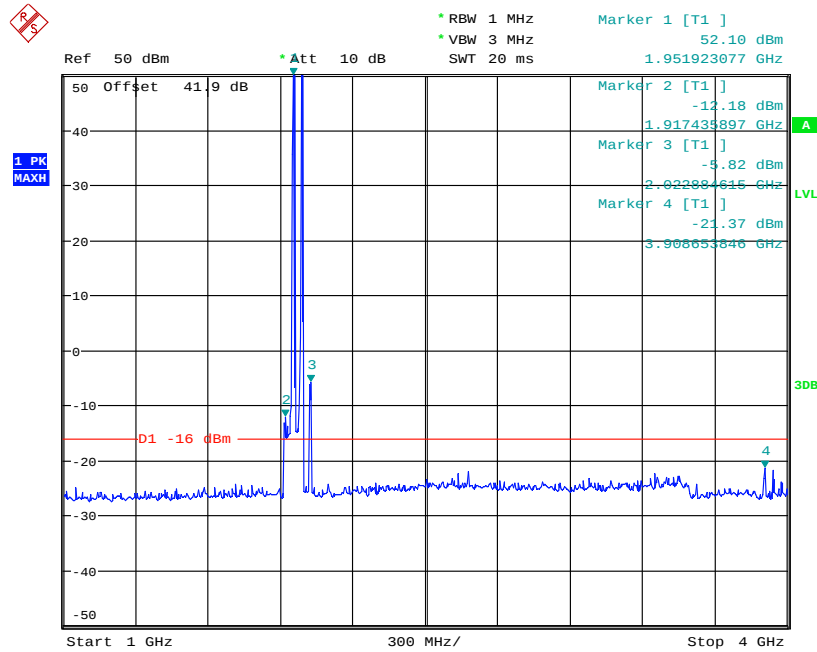
Date: 30.APR.2014 08:51:26

Channel Position M - 16QAM - 9kHz – 1GHz



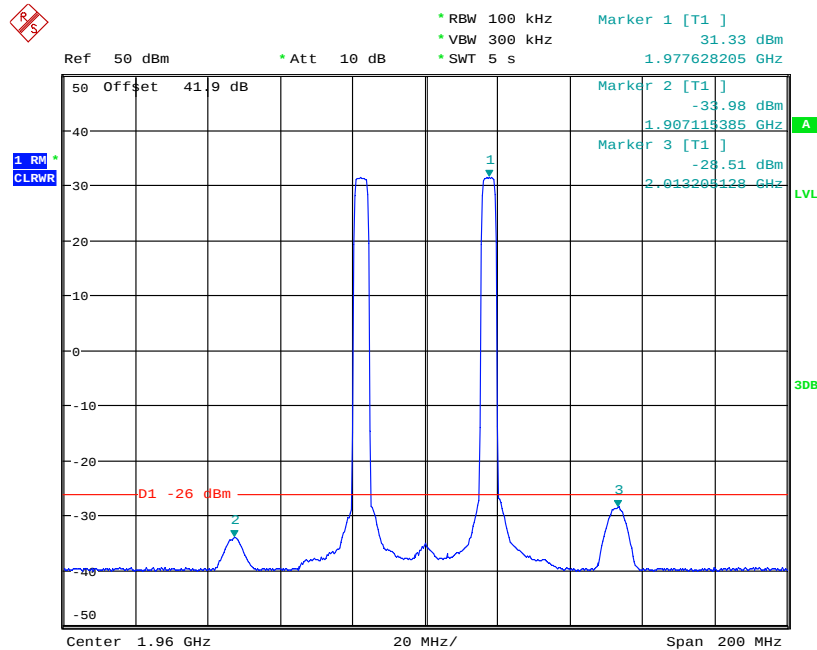
Date: 30.APR.2014 09:57:41

Channel Position M - 16QAM - 1GHz – 4GHz



Date: 30.APR.2014 09:08:21

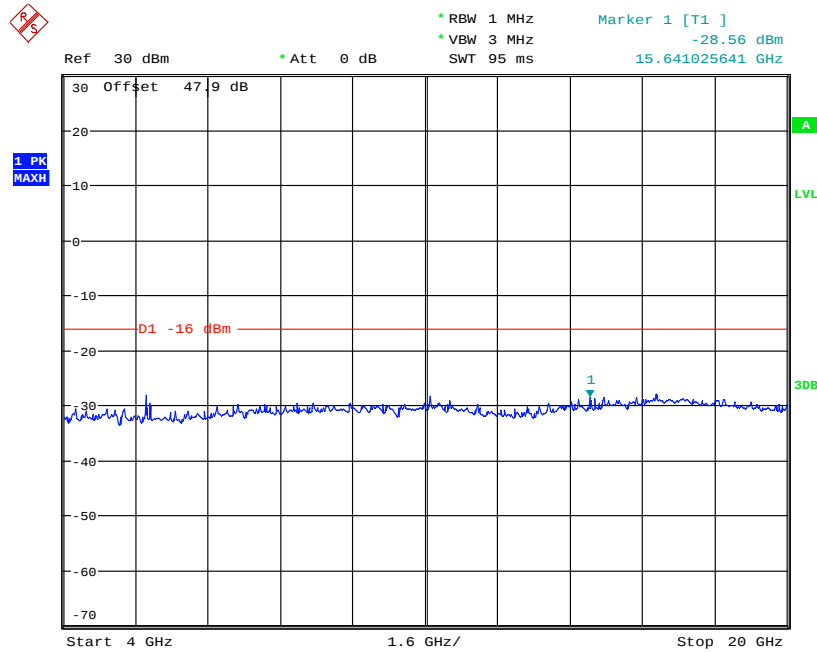
Channel Position M - 16QAM - 1.86GHz – 2.06GHz



Date: 30.APR.2014 08:42:14

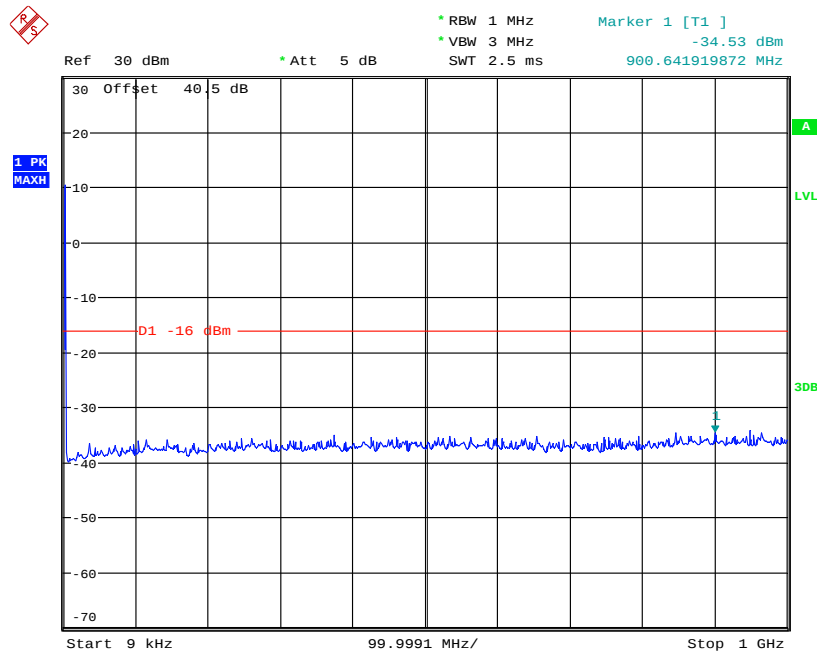
Note: A resolution bandwidth of 100kHz was used, to compensate for the reduced measurement bandwidth, the limit was adjusted from -16dBm to -26dBm.

Channel Position M - 16QAM - 4GHz – 20GHz



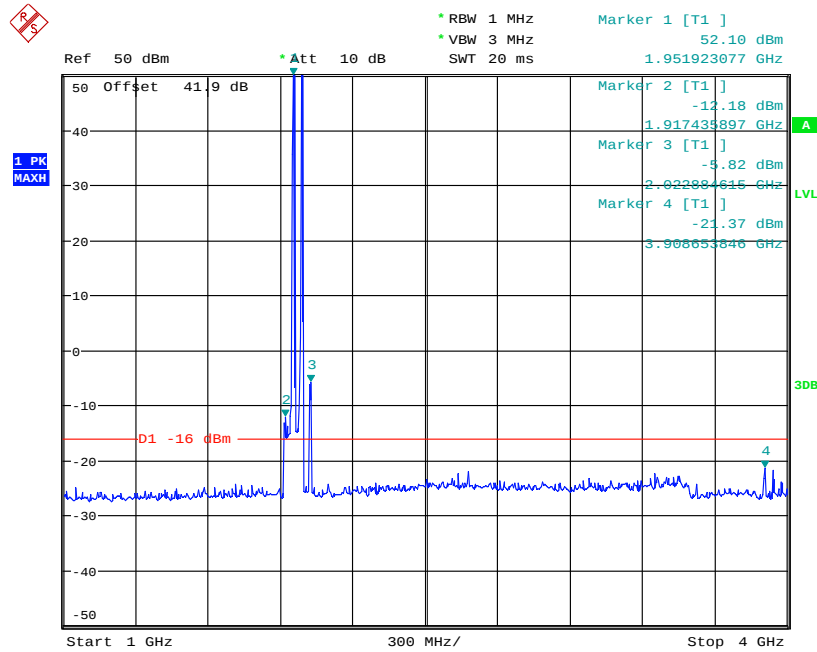
Date: 30.APR.2014 08:36:43

Channel Position T - 16QAM - 9kHz – 1GHz



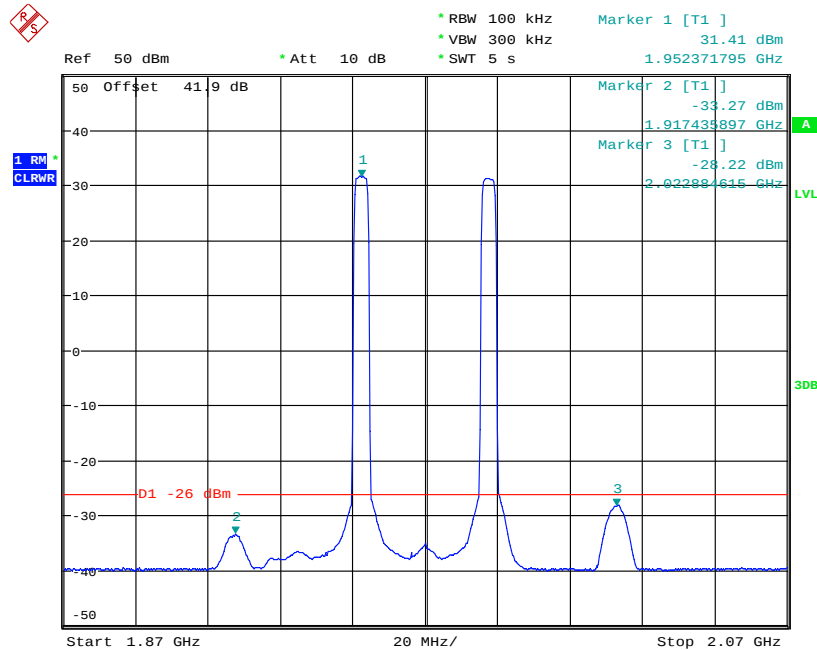
Date: 30.APR.2014 09:59:29

Channel Position T - 16QAM - 1GHz – 4GHz



Date: 30.APR.2014 09:08:21

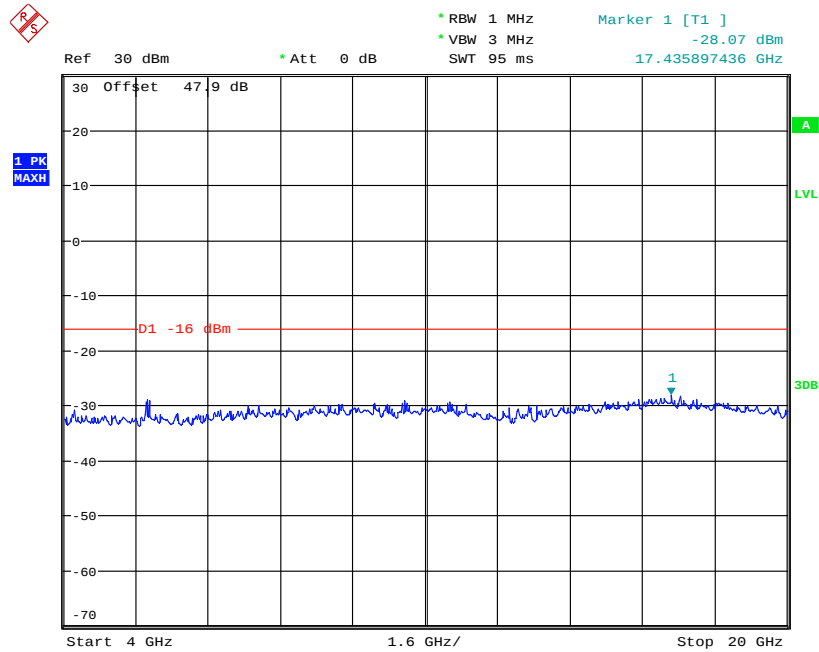
Channel Position T - 16QAM - 1.87GHz – 2.07GHz



Date: 30.APR.2014 09:06:23

Note: A resolution bandwidth of 100kHz was used, to compensate for the reduced measurement bandwidth, the limit was adjusted from -16dBm to -26dBm.

Channel Position T - 16QAM - 4GHz – 20GHz



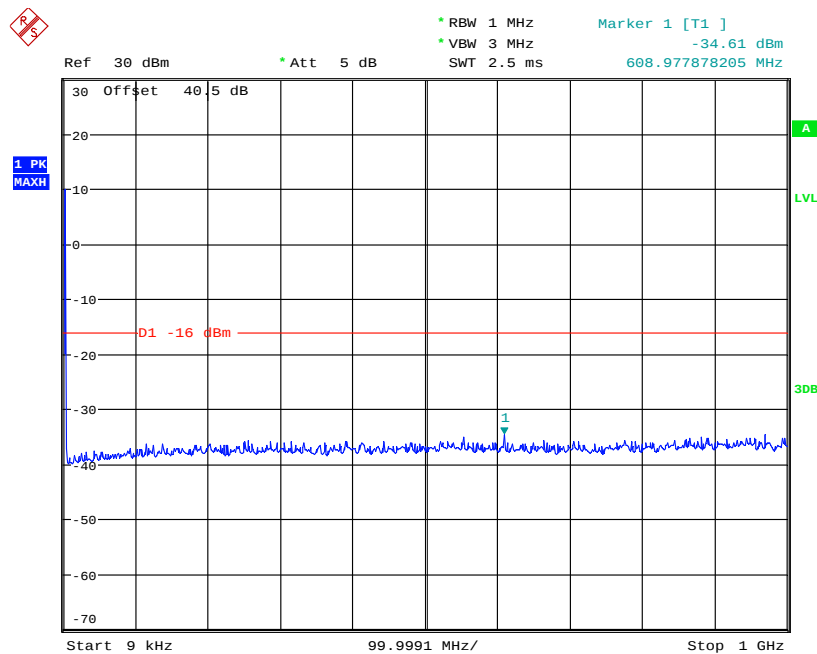
Date: 30.APR.2014 08:56:27

Configuration W-MIMO-MC 2 (4C)

Maximum Output Power 42.4dBm per carrier

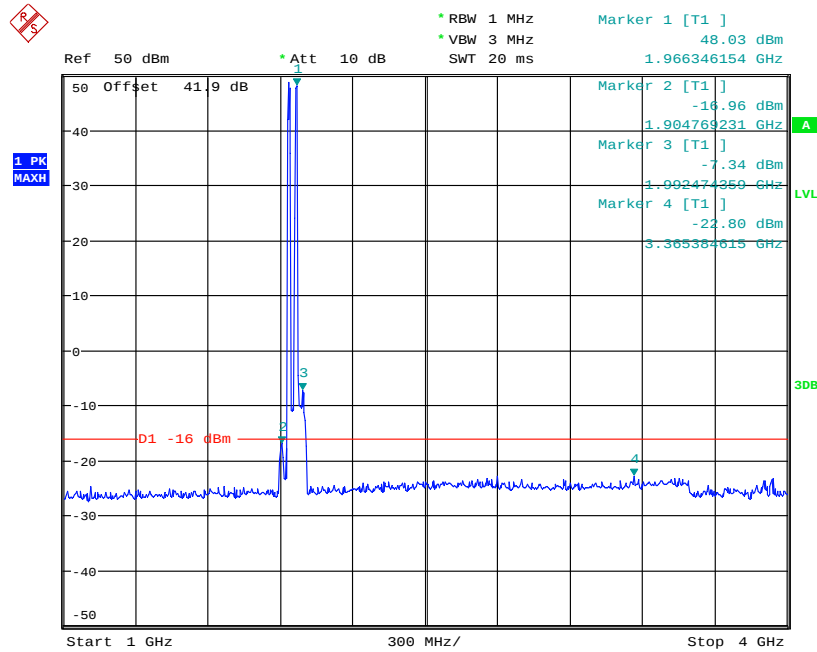
Channel Position	Channel Frequencies
Channel Position B	Port A1: 1932.4MHz + 1937.4MHz + 1962.6MHz + 1967.6MHz
Channel Position M	Port A1: 1942.4MHz + 1947.4MHz + 1972.6MHz + 1977.6MHz
Channel Position T	Port A1: 1952.4MHz + 1957.4MHz + 1982.6MHz + 1987.6MHz

Channel Position B - 16QAM - 9kHz – 1GHz



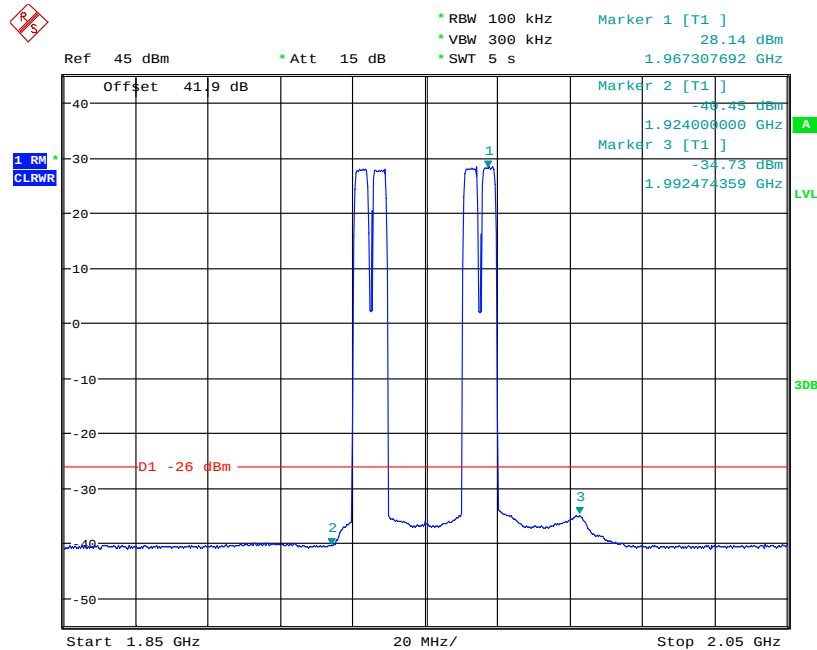
Date: 30.APR.2014 10:01:57

Channel Position B - 16QAM - 1GHz – 4GHz



Date: 30.APR.2014 09:28:51

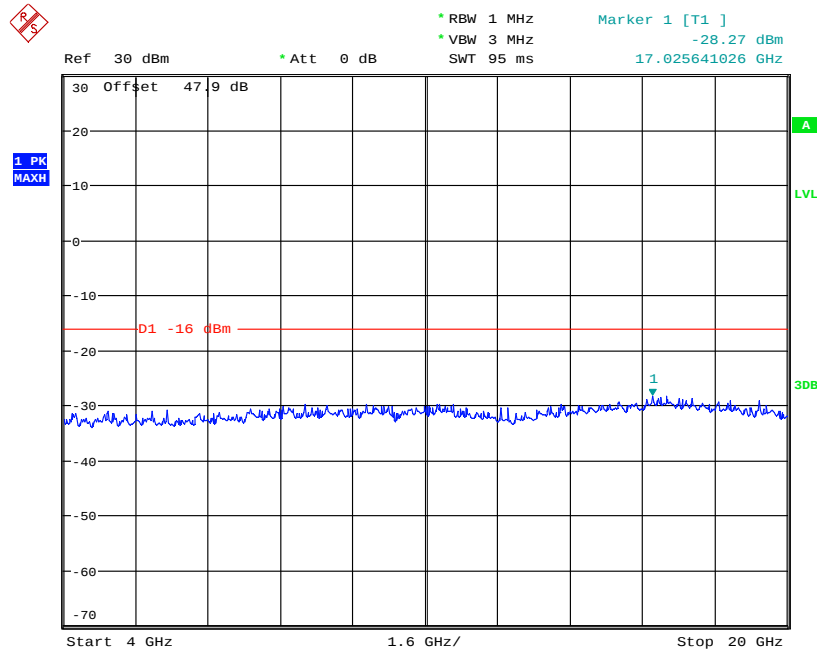
Channel Position B - 16QAM - 1.85GHz – 2.05GHz



Date: 30.APR.2014 09:26:59

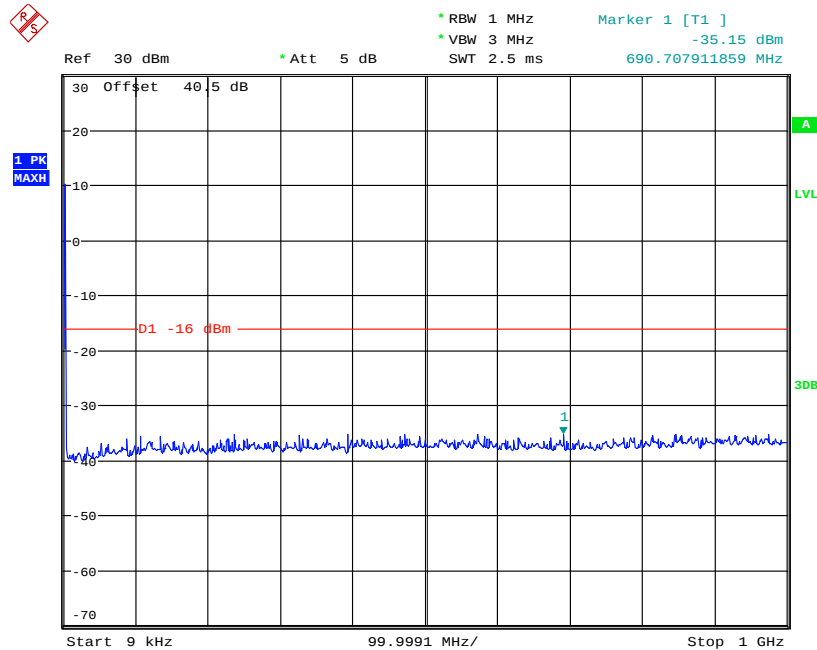
Note: A resolution bandwidth of 100kHz was used, to compensate for the reduced measurement bandwidth, the limit was adjusted from -16dBm to -26dBm.

Channel Position B - 16QAM - 4GHz – 20GHz



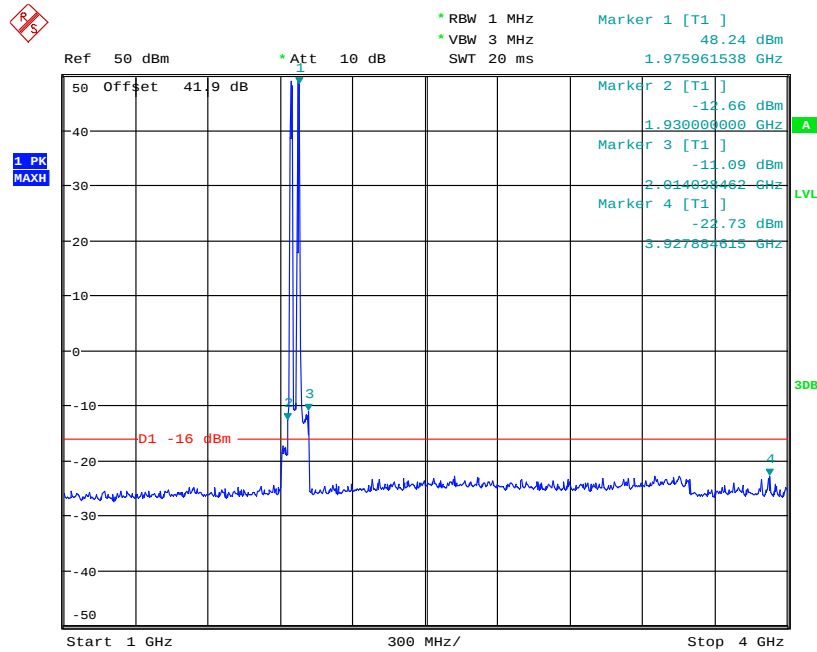
Date: 30.APR.2014 09:29:41

Channel Position M - 16QAM - 9kHz – 1GHz



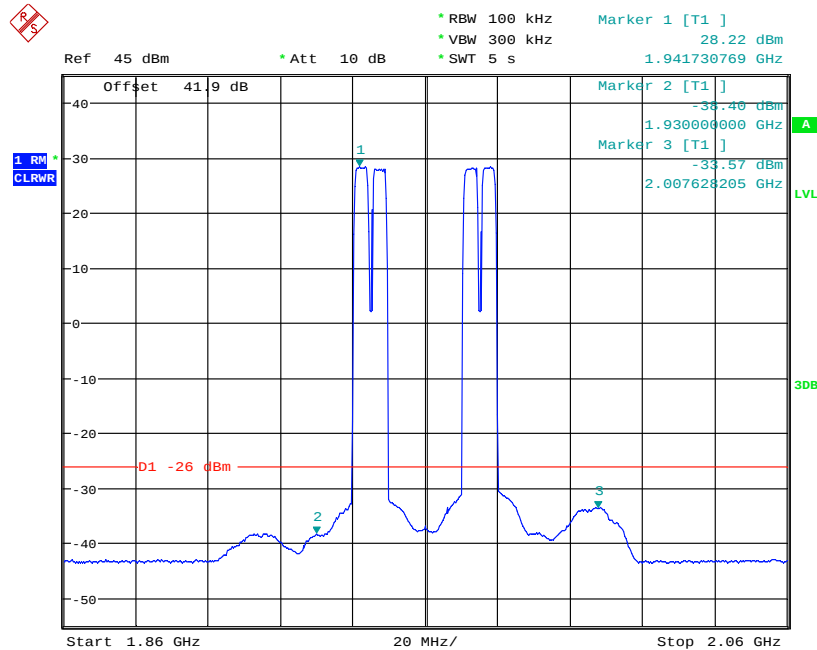
Date: 30.APR.2014 10:03:07

Channel Position M - 16QAM - 1GHz – 4GHz



Date: 30.APR.2014 09:35:25

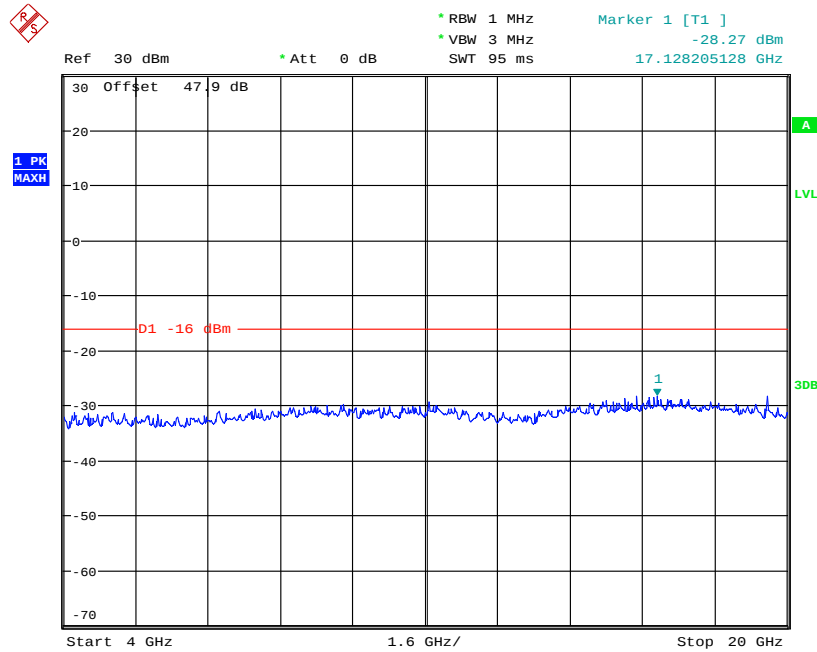
Channel Position M - 16QAM - 1.86GHz – 2.06GHz



Date: 30.APR.2014 09:36:49

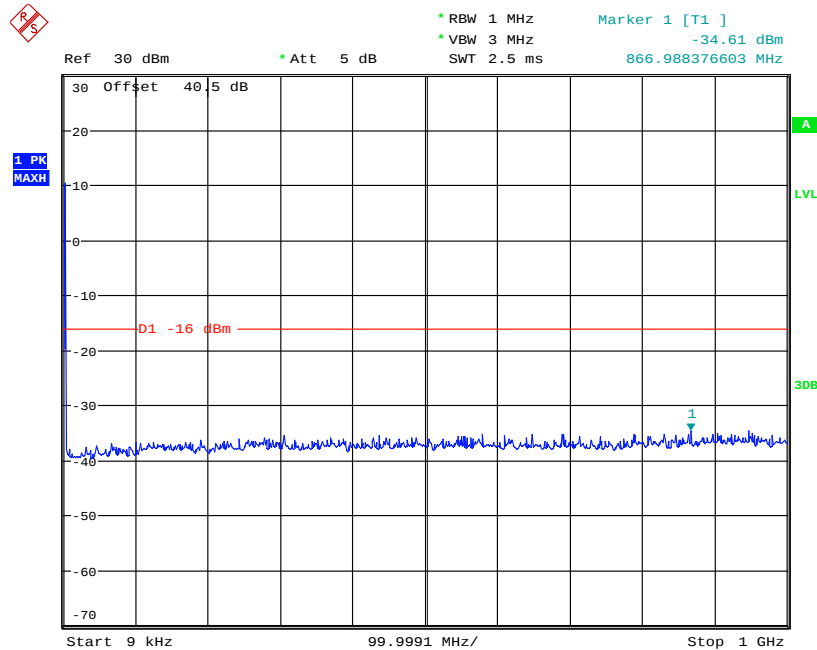
Note: A resolution bandwidth of 100kHz was used, to compensate for the reduced measurement bandwidth, the limit was adjusted from -16dBm to -26dBm.

Channel Position M - 16QAM - 4GHz – 20GHz



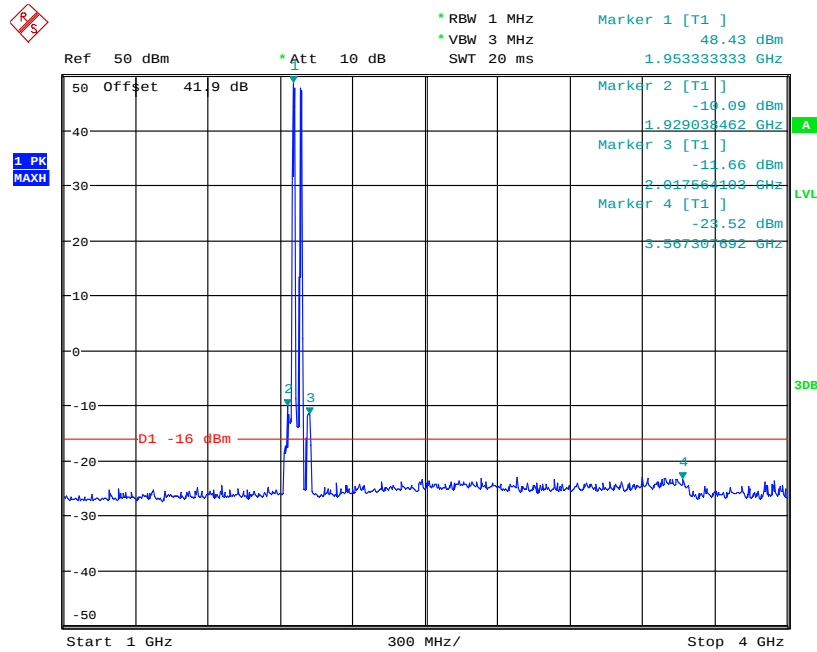
Date: 30.APR.2014 09:33:08

Channel Position T - 16QAM - 9kHz – 1GHz



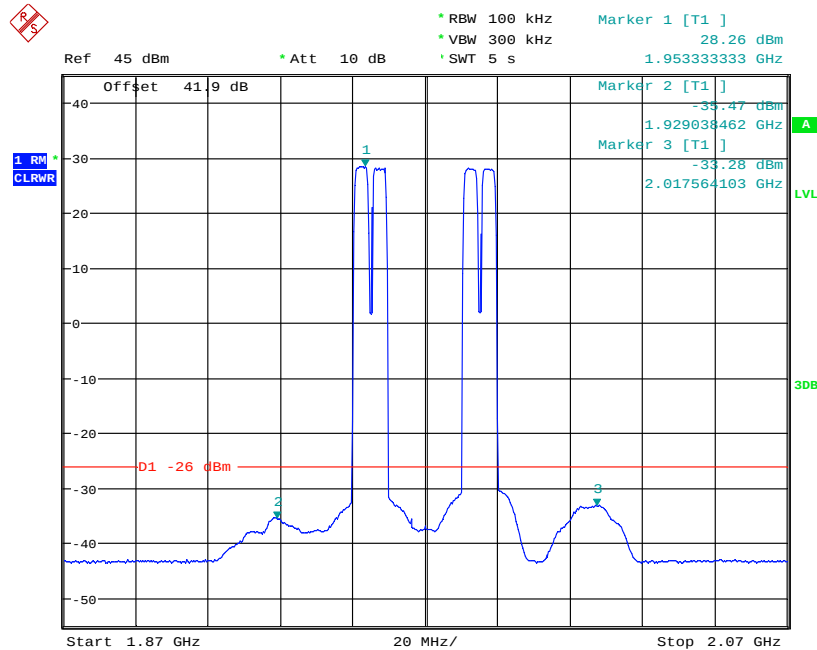
Date: 30.APR.2014 10:04:19

Channel Position T - 16QAM - 1GHz – 4GHz



Date: 30.APR.2014 09:40:36

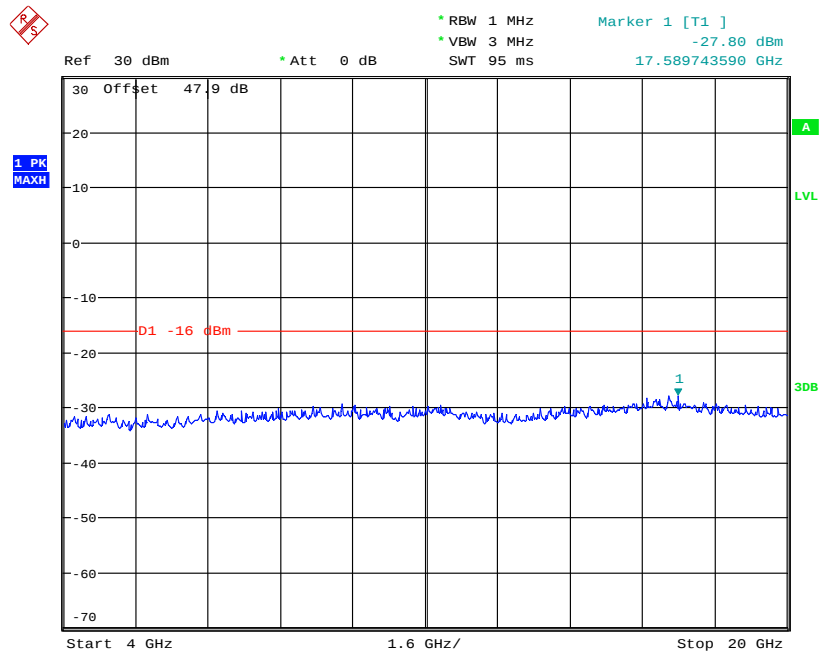
Channel Position T - 16QAM - 1.87GHz – 2.07GHz



Date: 30.APR.2014 09:39:36

Note: A resolution bandwidth of 100kHz was used, to compensate for the reduced measurement bandwidth, the limit was adjusted from -16dBm to -26dBm.

Channel Position T - 16QAM - 4GHz – 20GHz



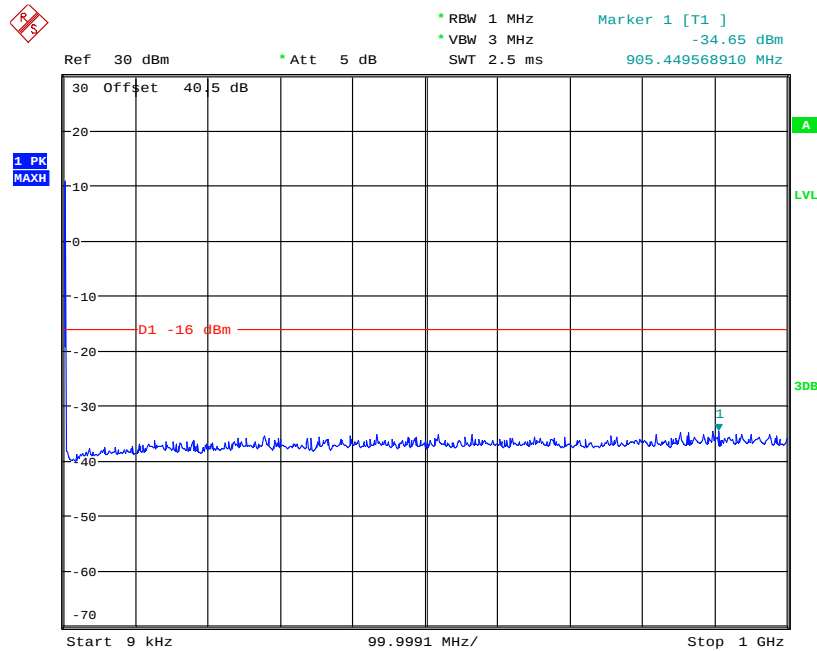
Date: 30.APR.2014 09:41:32

Configuration L-MIMO-SC

Maximum Output Power 49.0dBm per carrier

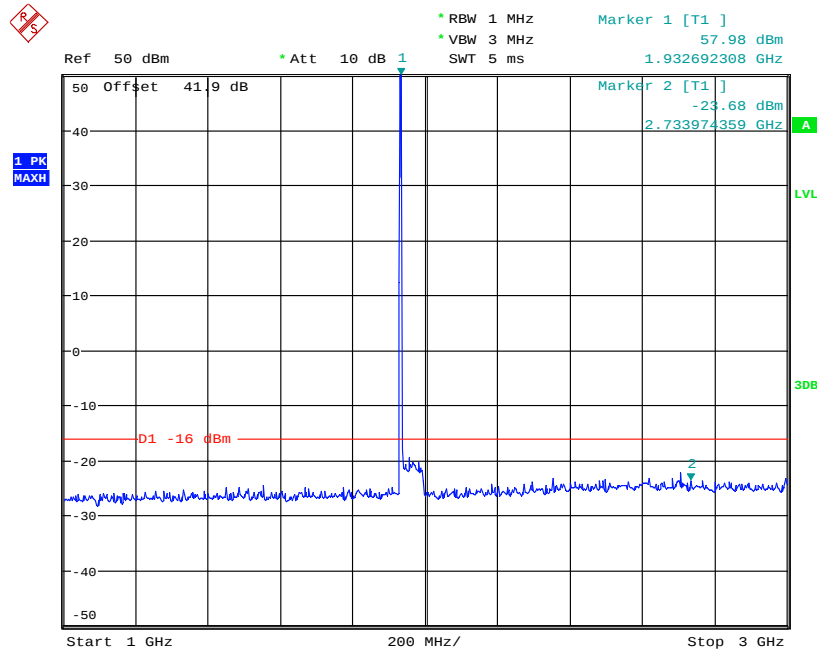
Channel Position	Bandwidth	Channel Frequency
Channel Position B	1.4MHz	Port A1: 1930.7MHz
	20.0MHz	Port A1: 1940.0MHz
Channel Position M	1.4MHz	Port A1: 1960.0MHz
	20.0MHz	
Channel Position T	1.4MHz	Port A1: 1989.3MHz
	20.0MHz	Port A1: 1980.0MHz

Channel Position B - QPSK / Bandwidth 1.4MHz - 9kHz – 1GHz



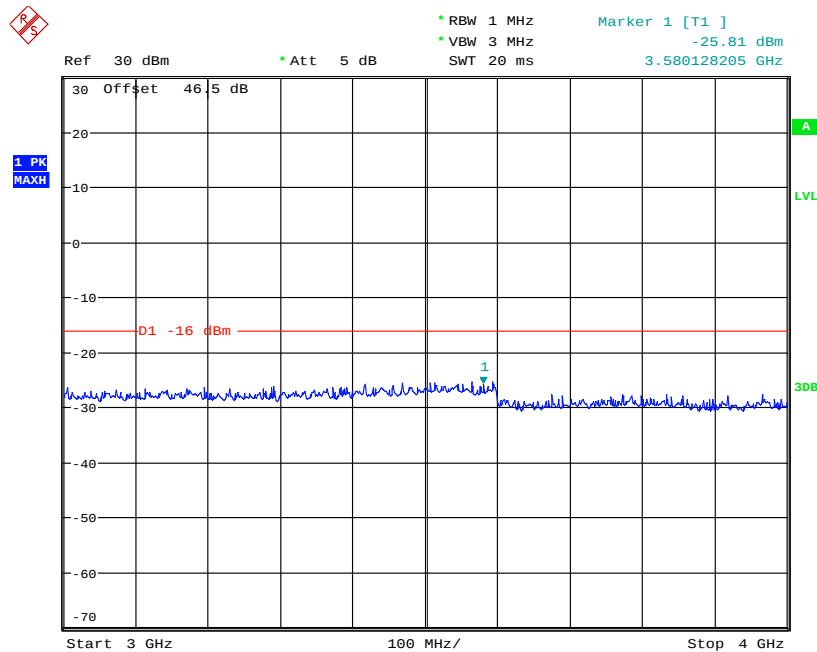
Date: 4.MAY.2014 05:02:26

Channel Position B - QPSK / Bandwidth 1.4MHz - 1GHz – 3GHz



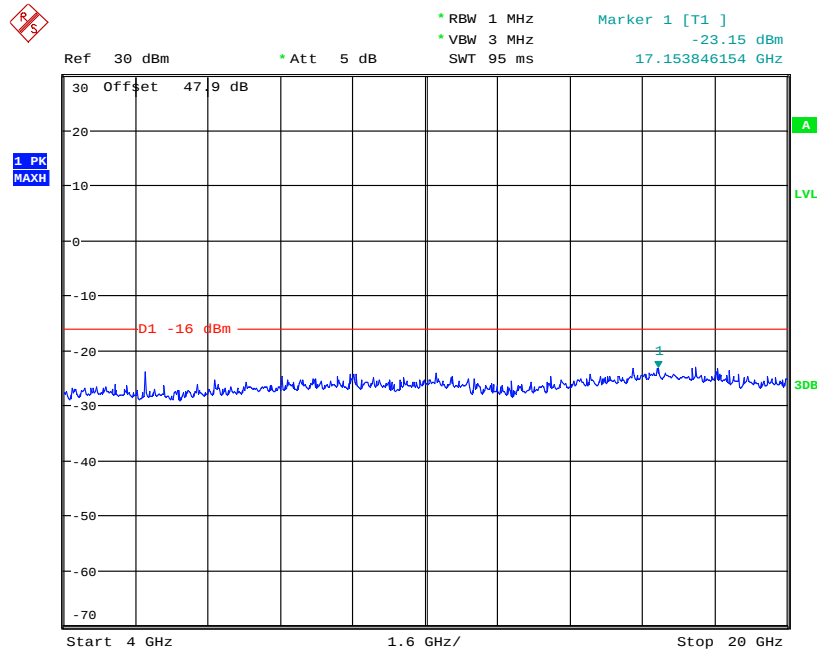
Date: 4.MAY.2014 04:59:50

Channel Position B - QPSK / Bandwidth 1.4MHz - 3GHz – 4GHz



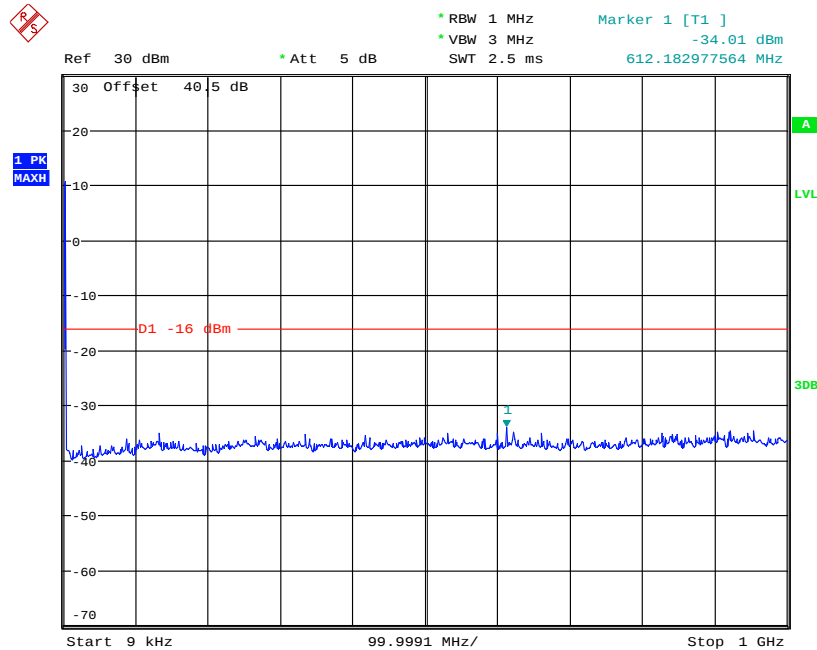
Date: 4.MAY.2014 04:45:11

Channel Position B - QPSK / Bandwidth 1.4MHz - 4GHz – 20GHz



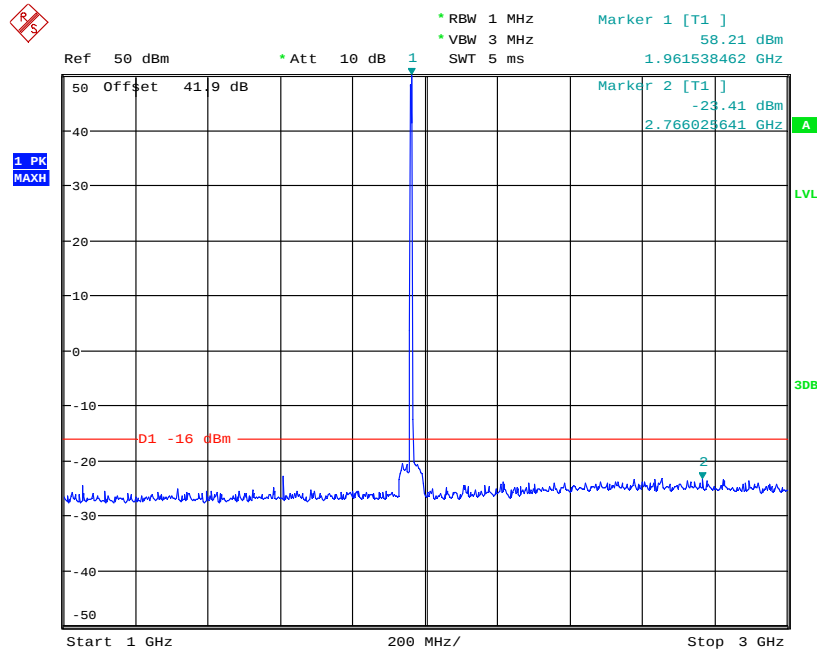
Date: 4.MAY.2014 04:23:39

Channel Position M - QPSK / Bandwidth 1.4MHz - 9kHz – 1GHz



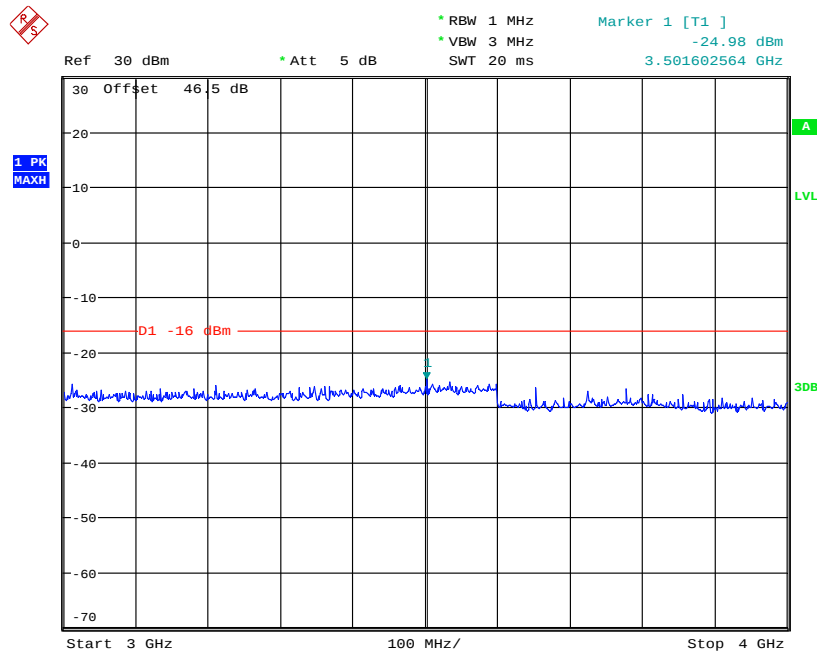
Date: 4.MAY.2014 05:03:37

Channel Position M - QPSK / Bandwidth 1.4MHz - 1GHz – 3GHz



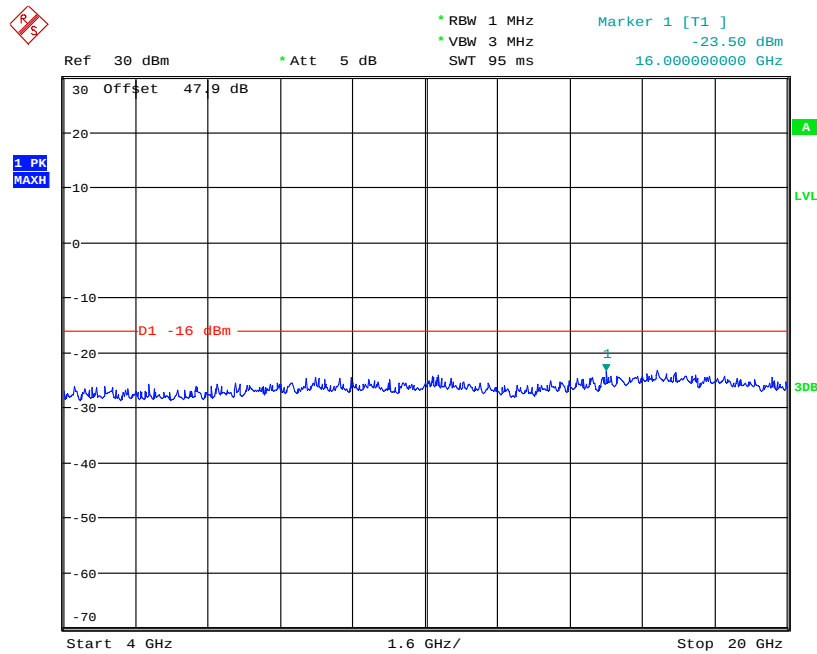
Date: 4.MAY.2014 04:55:01

Channel Position M - QPSK / Bandwidth 1.4MHz - 3GHz – 4GHz



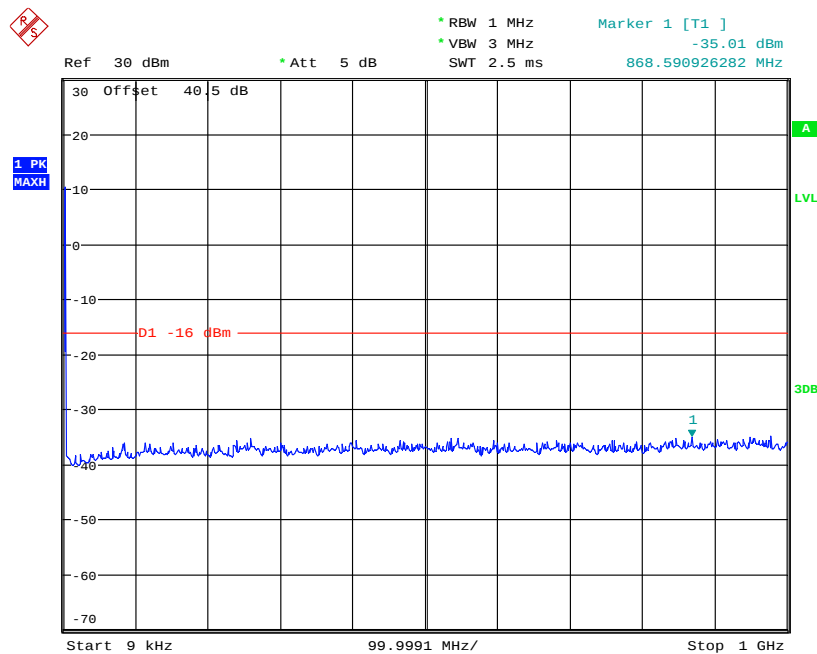
Date: 4.MAY.2014 04:46:52

Channel Position M - QPSK / Bandwidth 1.4MHz - 4GHz – 20GHz



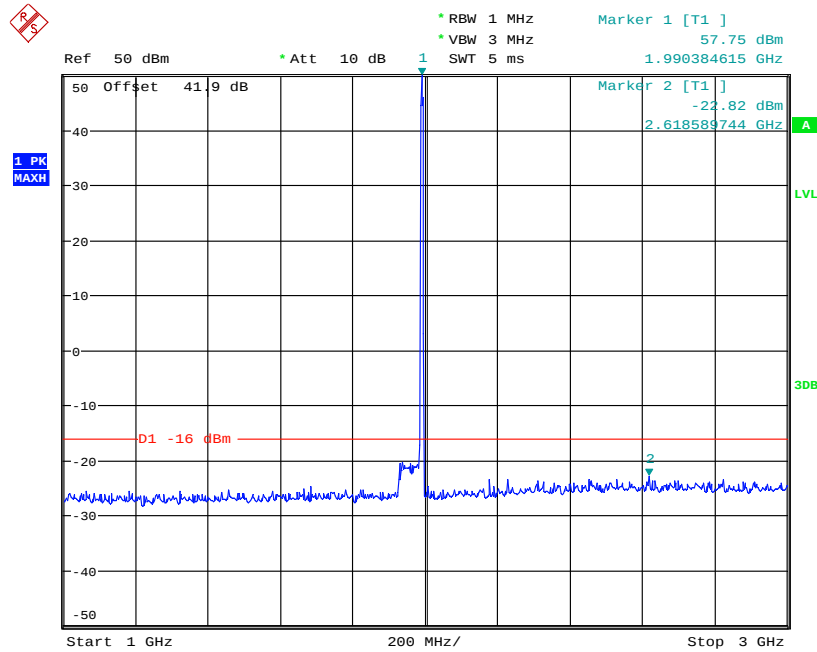
Date: 4.MAY.2014 04:28:45

Channel Position T - QPSK / Bandwidth 1.4MHz - 9kHz – 1GHz



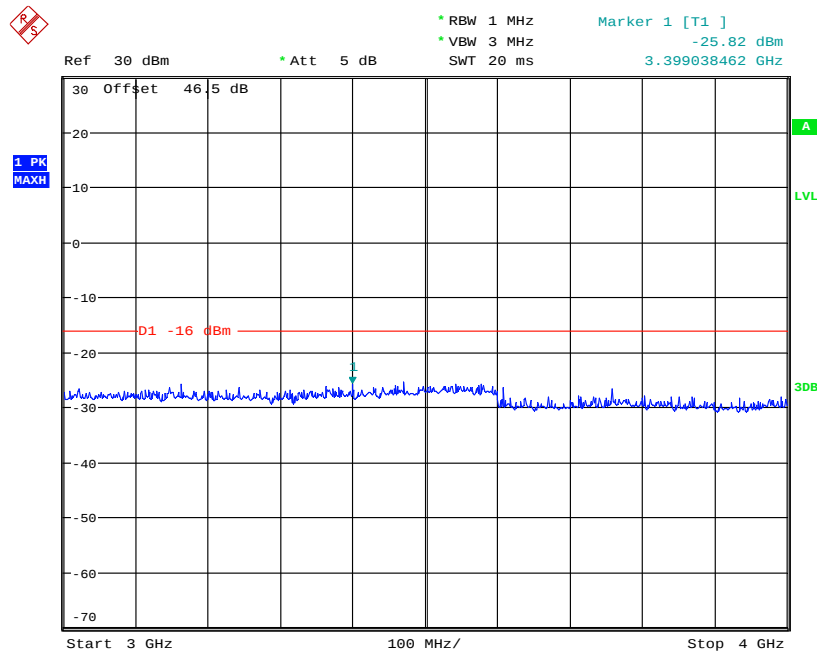
Date: 4.MAY.2014 05:04:46

Channel Position T - QPSK / Bandwidth 1.4MHz - 1GHz – 3GHz



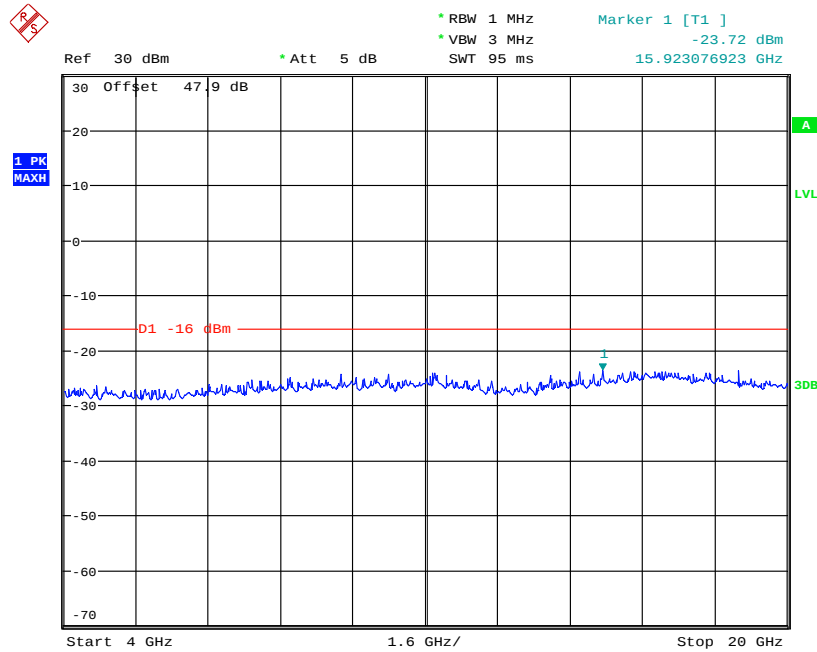
Date: 4.MAY.2014 04:56:32

Channel Position T - QPSK / Bandwidth 1.4MHz - 3GHz – 4GHz



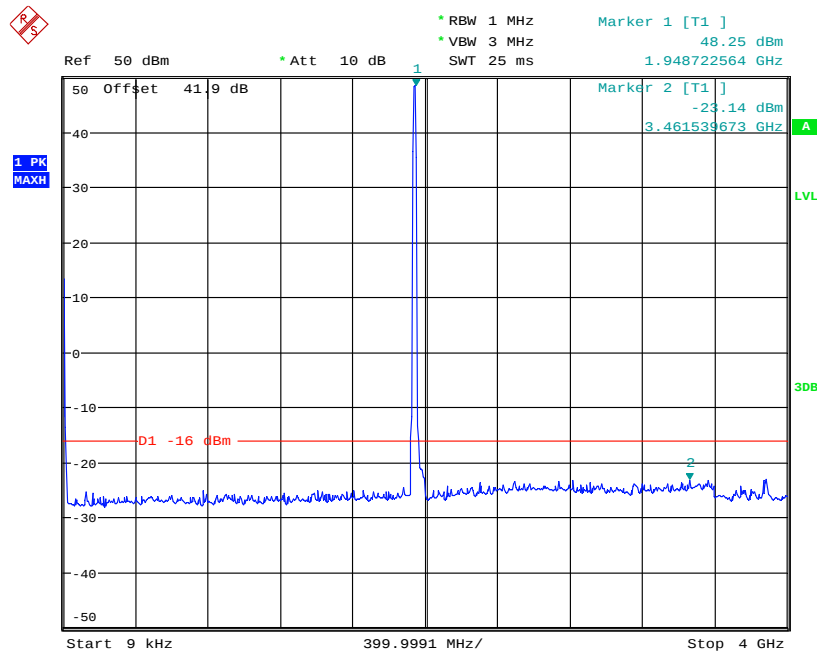
Date: 4.MAY.2014 04:48:09

Channel Position T - QPSK / Bandwidth 1.4MHz - 4GHz – 20GHz



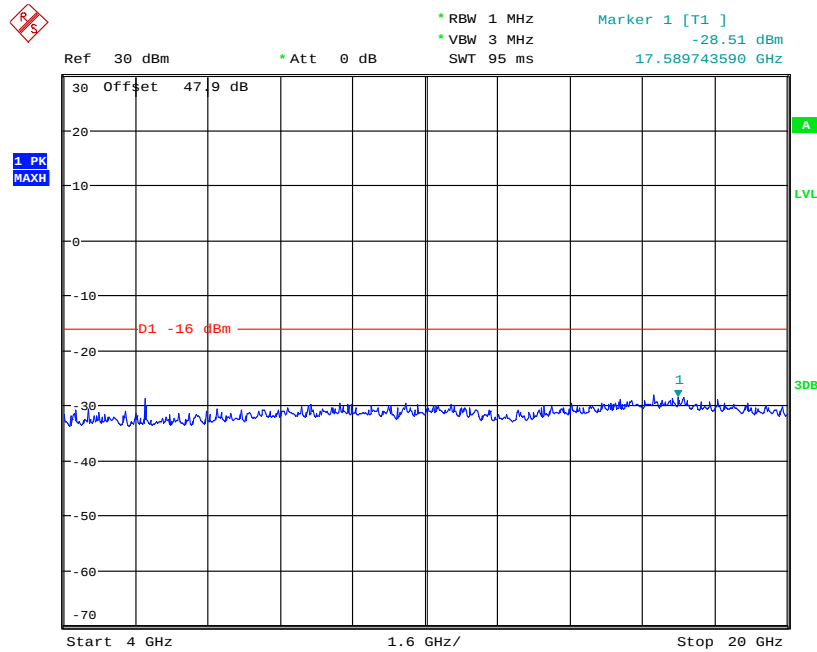
Date: 4.MAY.2014 04:33:11

Channel Position B - QPSK / Bandwidth 20.0MHz - 9kHz – 4GHz



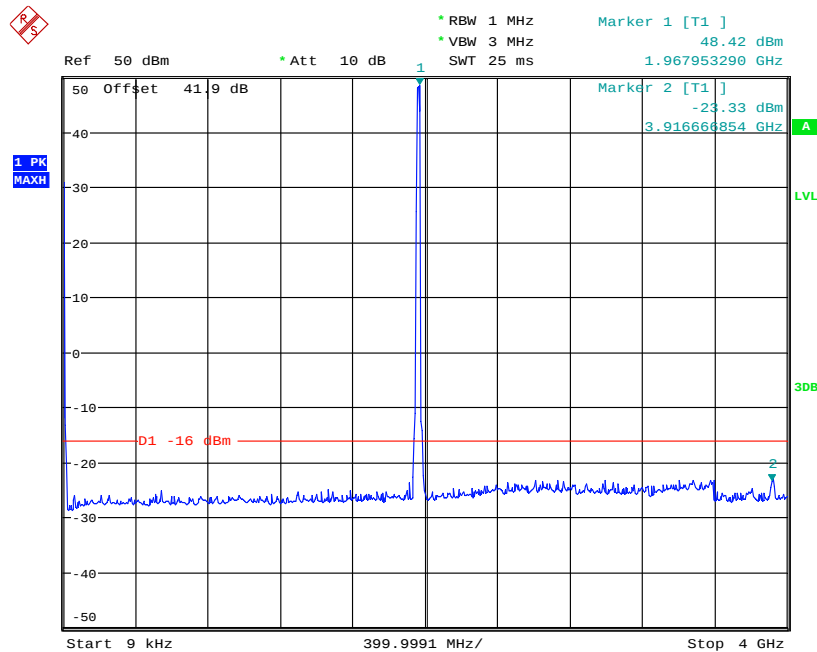
Date: 4.MAY.2014 04:09:33

Channel Position B - QPSK / Bandwidth 20.0MHz - 4GHz – 20GHz



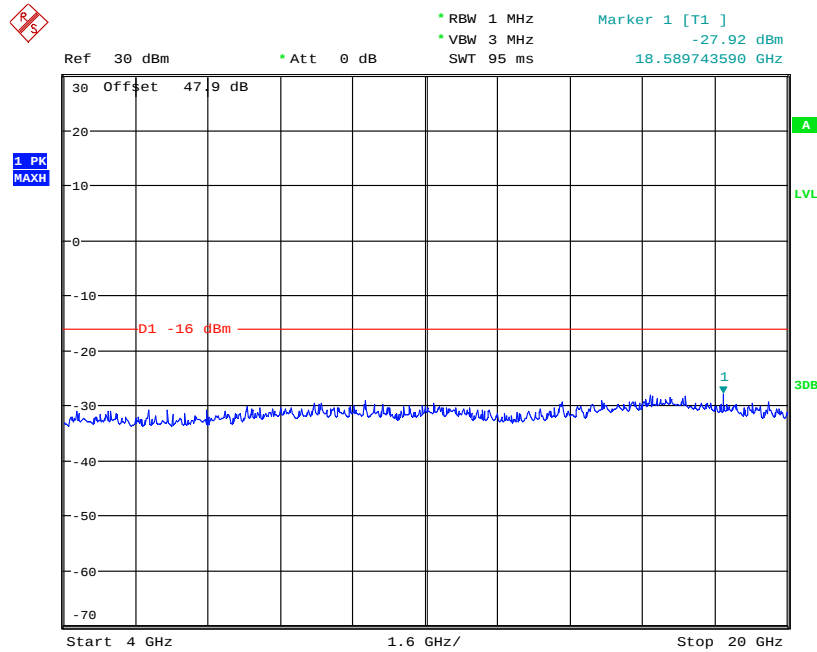
Date: 4.MAY.2014 04:10:38

Channel Position M - QPSK / Bandwidth 20.0MHz - 9kHz – 4GHz



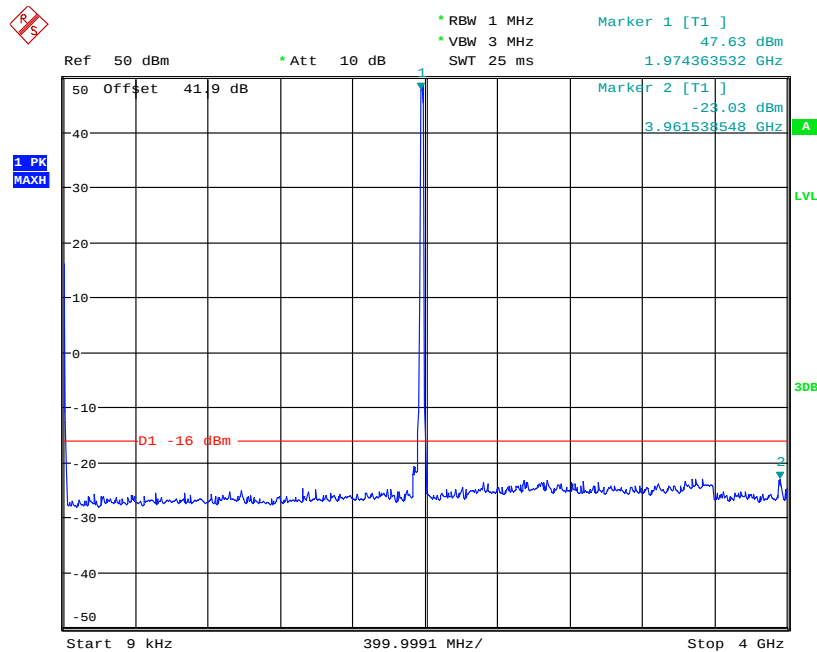
Date: 4.MAY.2014 04:13:13

Channel Position M - QPSK / Bandwidth 20.0MHz - 4GHz – 20GHz



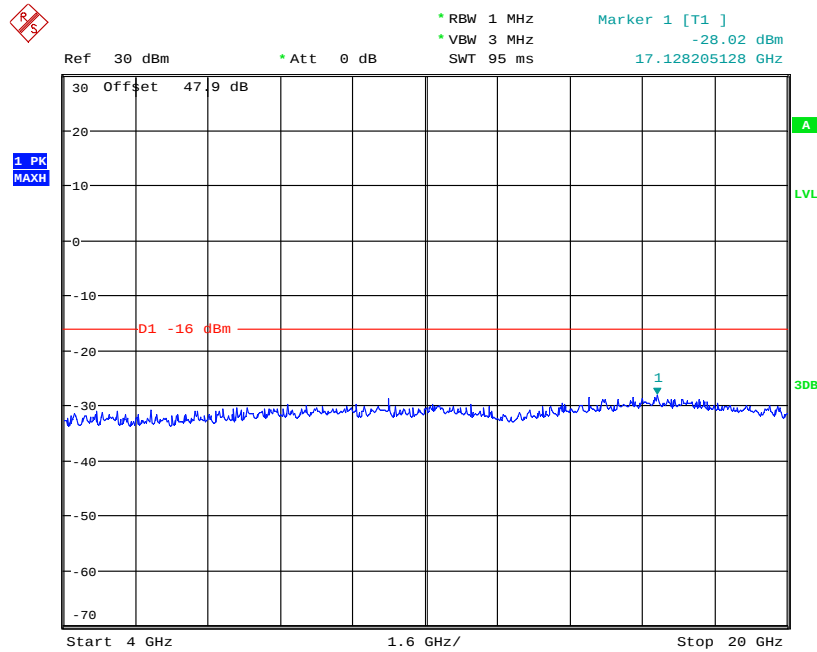
Date: 4.MAY.2014 04:11:51

Channel Position T - QPSK / Bandwidth 20.0MHz - 9kHz – 4GHz



Date: 4.MAY.2014 04:14:32

Channel Position T - QPSK / Bandwidth 20.0MHz - 4GHz – 20GHz



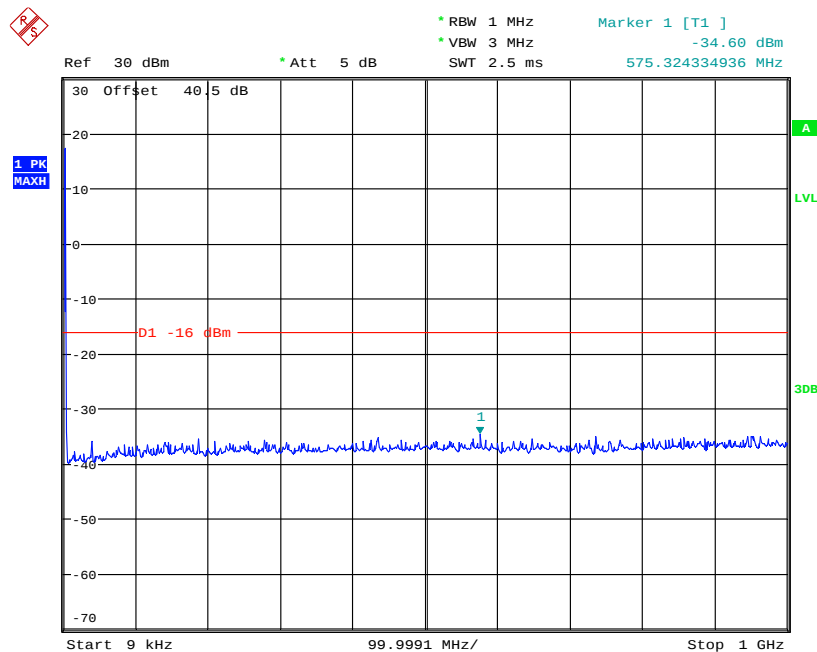
Date: 4.MAY.2014 04:15:29

Configuration L-MIMO-MC 1 (2C)

Maximum Output Power 45.8dBm per carrier

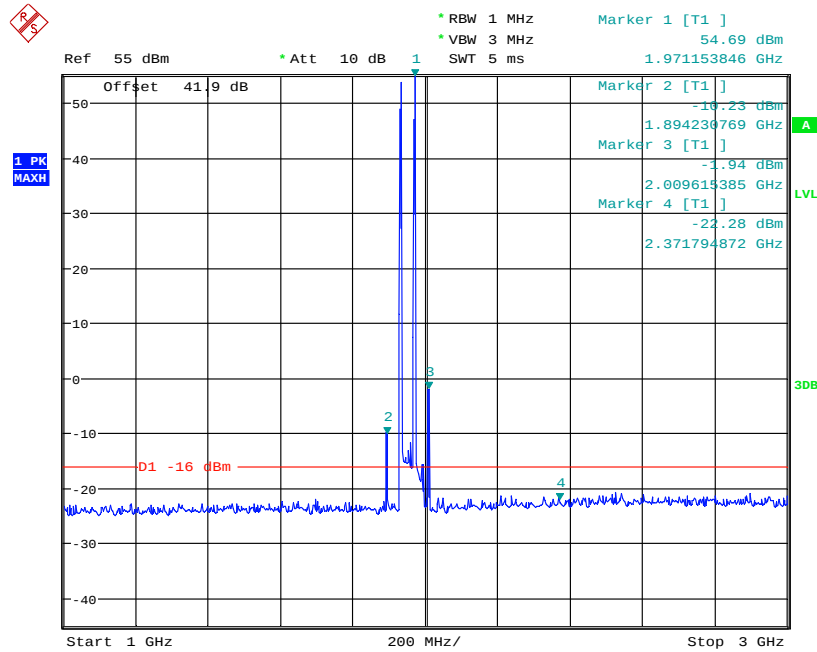
Channel Position	Bandwidth	Channel Frequency
Channel Position B	1.4MHz	Port A1: 1930.7MHz + 1969.3MHz
	10.0MHz	Port A1: 1935.0MHz + 1965.0MHz
Channel Position M	1.4MHz	Port A1: 1940.7MHz + 1979.3MHz
	10.0MHz	Port A1: 1945.0MHz + 1975.0MHz
Channel Position T	1.4MHz	Port A1: 1950.7MHz + 1989.3MHz
	10.0MHz	Port A1: 1955.0MHz + 1985.0MHz

Channel Position B - QPSK / Bandwidth 1.4MHz - 9kHz – 1GHz



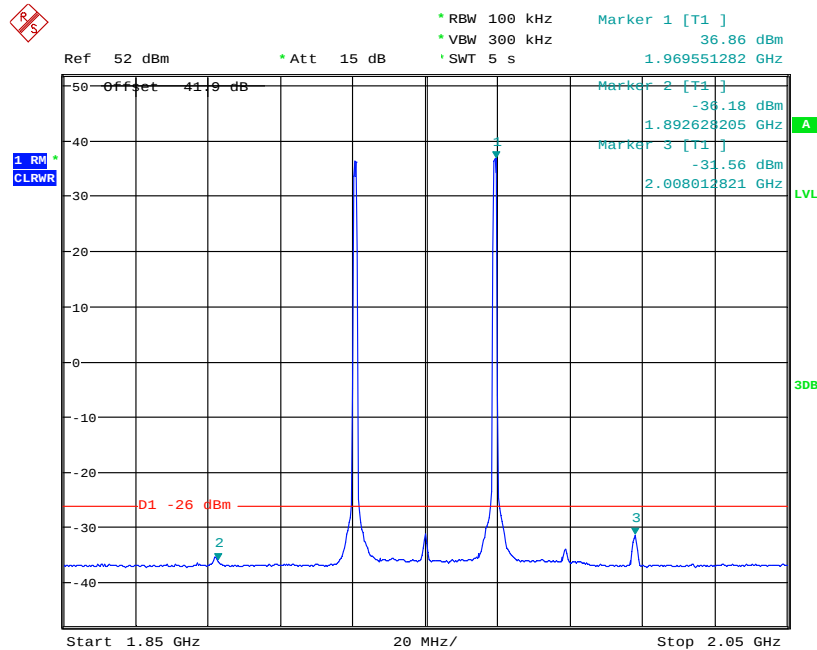
Date: 4.MAY.2014 07:39:12

Channel Position B - QPSK / Bandwidth 1.4MHz - 1GHz – 3GHz



Date: 4.MAY.2014 05:22:36

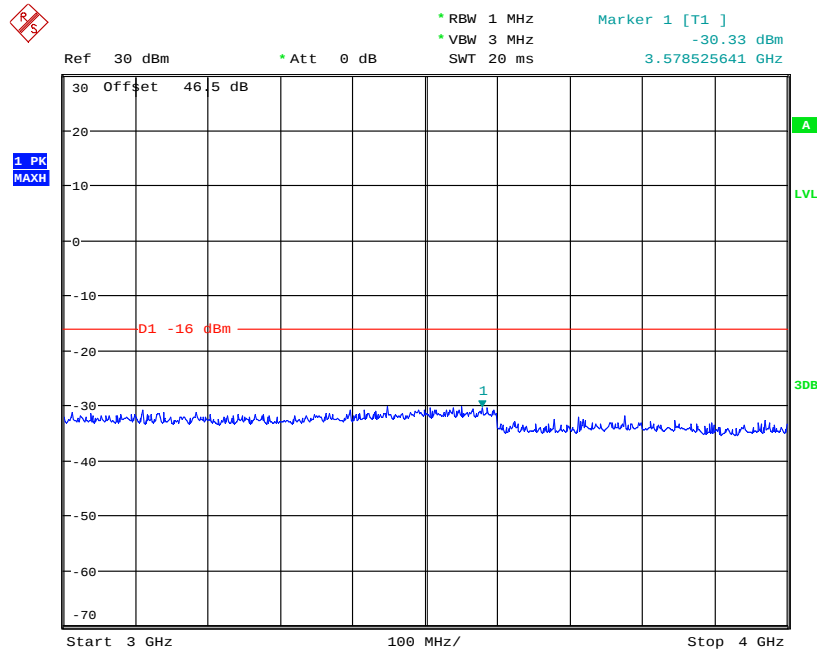
Channel Position B - QPSK / Bandwidth 1.4MHz - 1.85GHz – 2.05GHz



Date: 4.MAY.2014 05:24:34

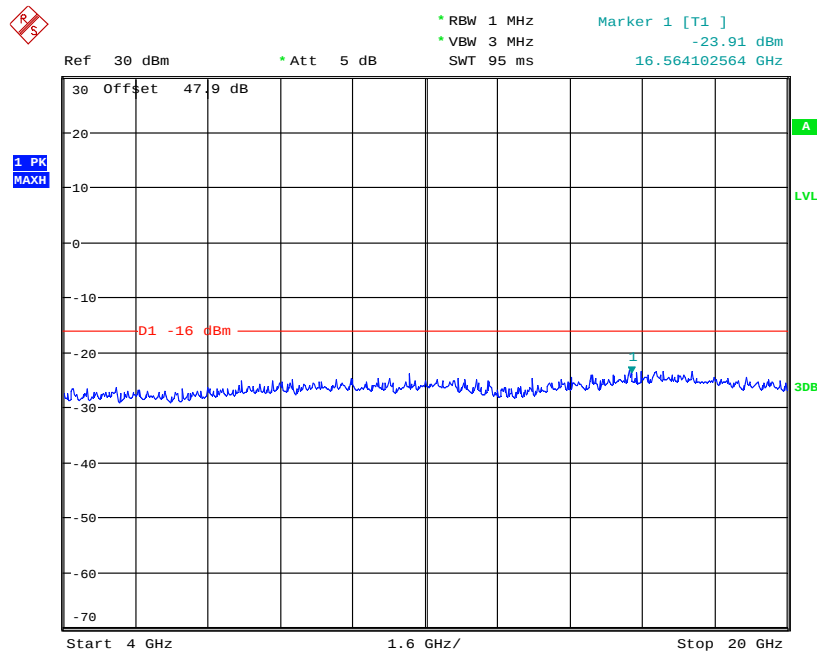
Note: A resolution bandwidth of 100kHz was used, to compensate for the reduced measurement bandwidth, the limit was adjusted from -16dBm to -26dBm.

Channel Position B - QPSK / Bandwidth 1.4MHz - 3GHz – 4GHz



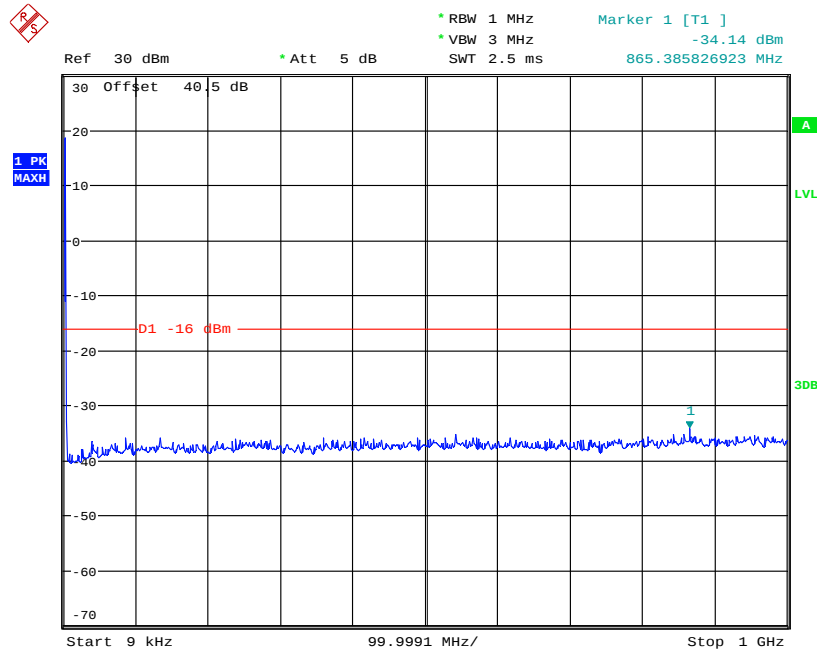
Date: 4.MAY.2014 08:23:00

Channel Position B - QPSK / Bandwidth 1.4MHz - 4GHz – 20GHz



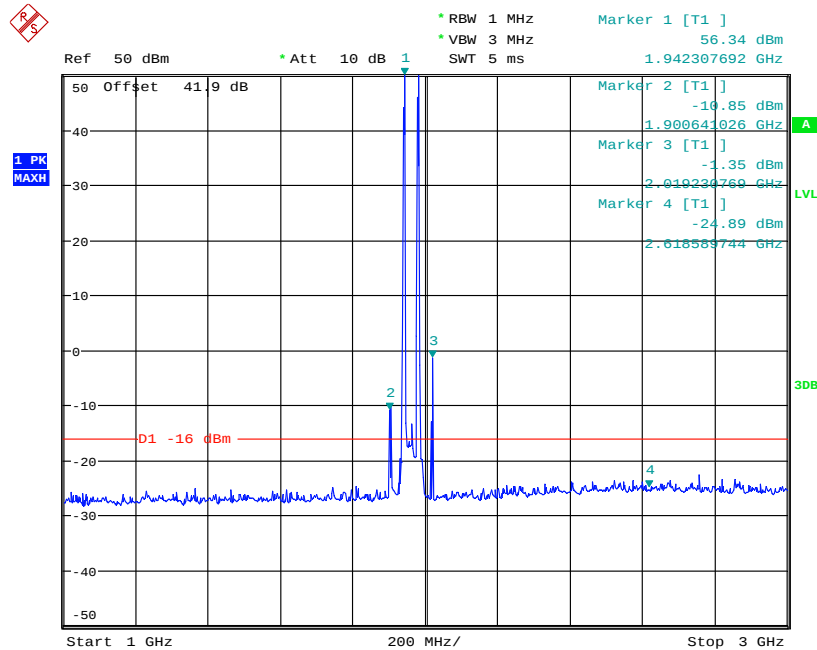
Date: 4.MAY.2014 05:20:43

Channel Position M - QPSK / Bandwidth 1.4MHz - 9kHz – 1GHz



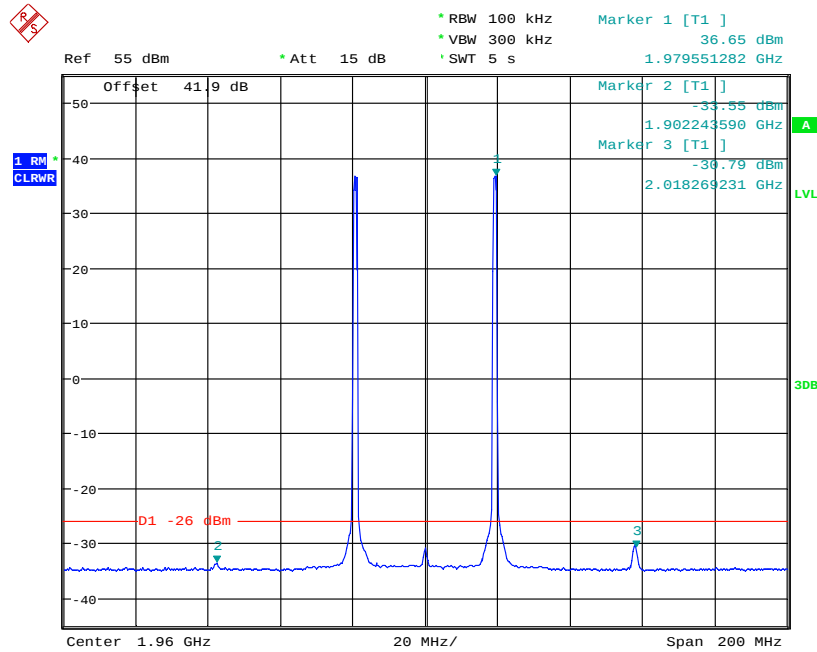
Date: 4.MAY.2014 07:42:27

Channel Position M - QPSK / Bandwidth 1.4MHz - 1GHz – 3GHz



Date: 4.MAY.2014 05:14:17

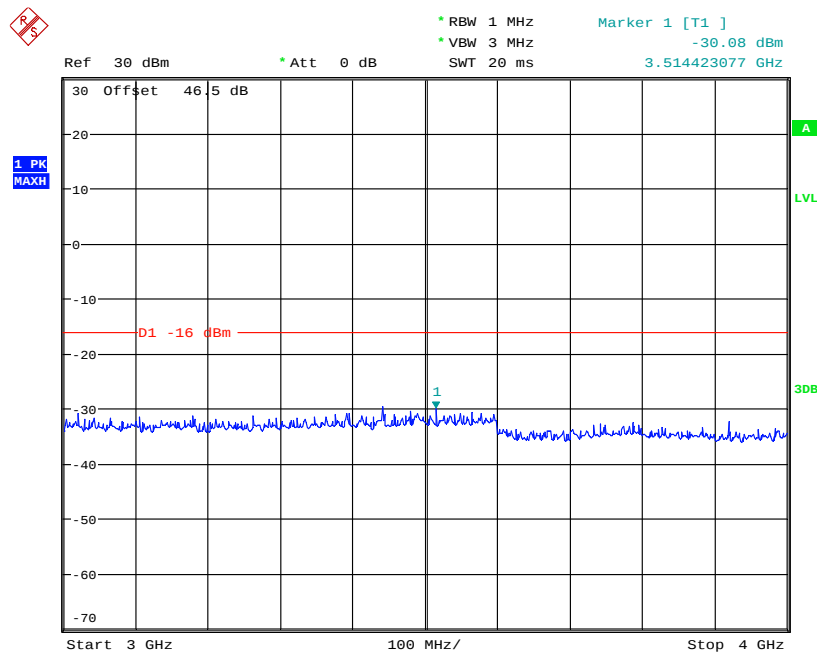
Channel Position M - QPSK / Bandwidth 1.4MHz - 1.86Hz – 2.06GHz



Date: 4.MAY.2014 05:18:05

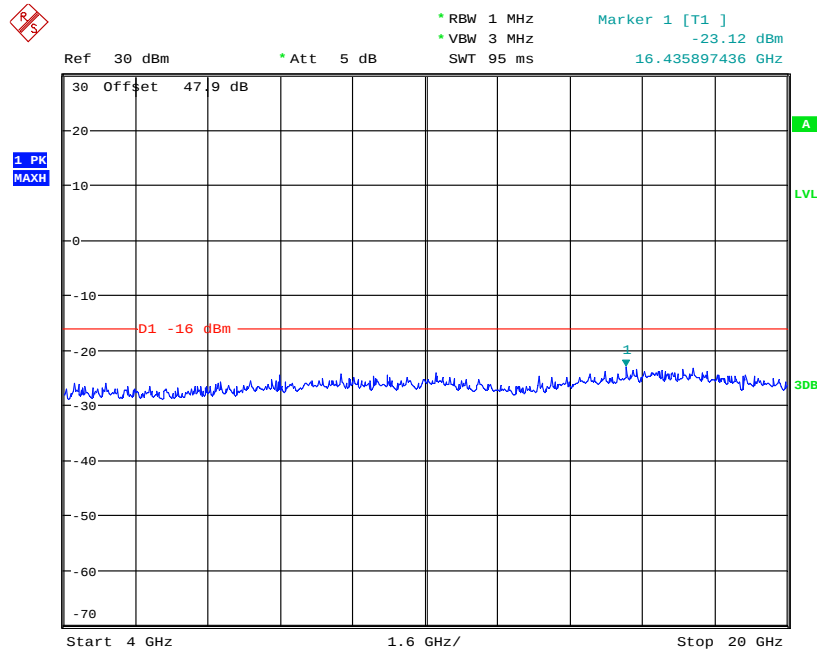
Note: A resolution bandwidth of 100kHz was used, to compensate for the reduced measurement bandwidth, the limit was adjusted from -16dBm to -26dBm.

Channel Position M - QPSK / Bandwidth 1.4MHz - 3GHz – 4GHz



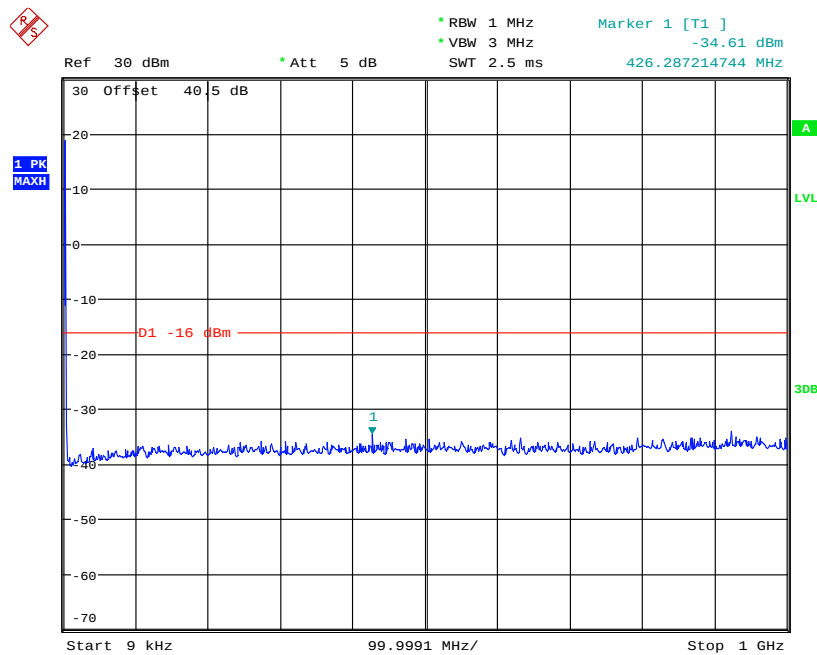
Date: 4.MAY.2014 08:23:54

Channel Position M - QPSK / Bandwidth 1.4MHz - 4GHz – 20GHz



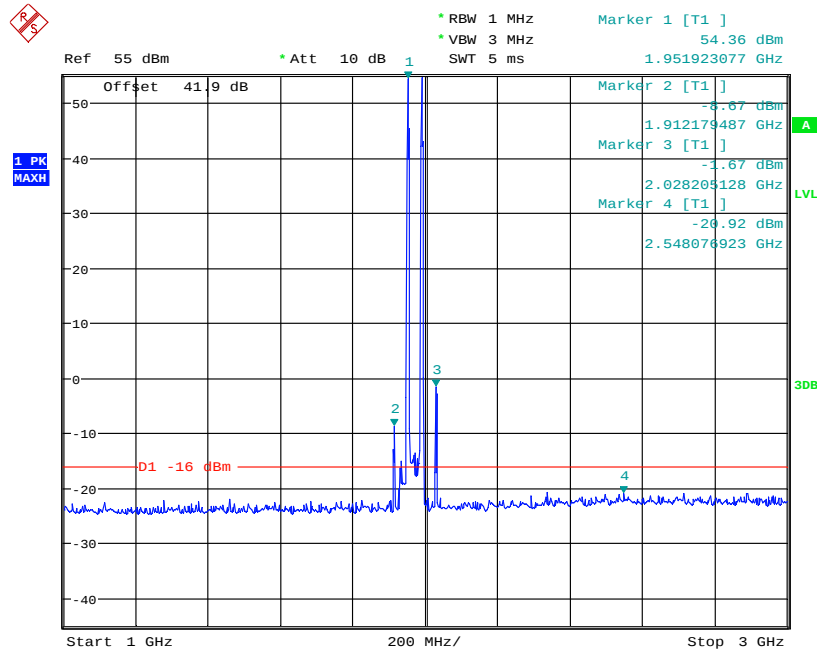
Date: 4.MAY.2014 05:19:02

Channel Position T - QPSK / Bandwidth 1.4MHz - 9kHz – 1GHz



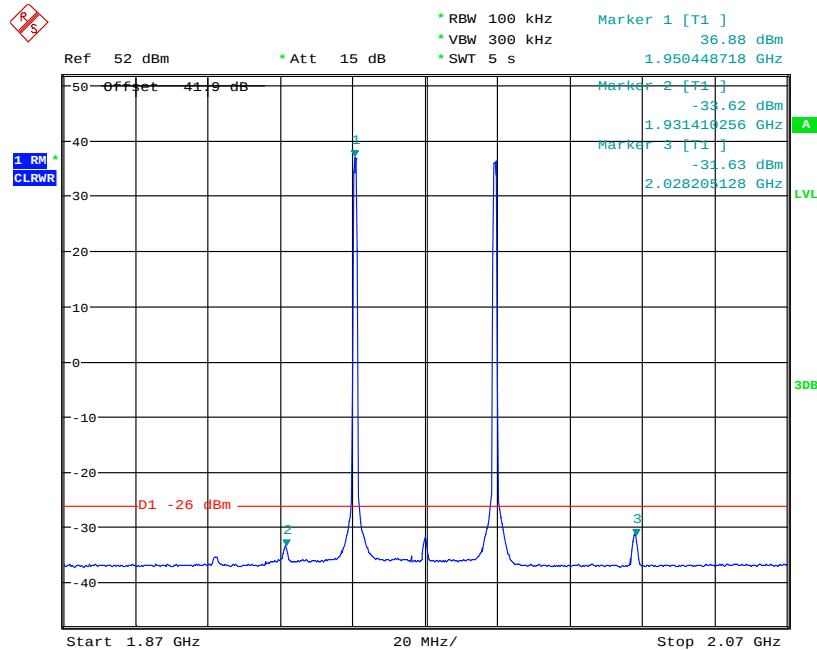
Date: 4.MAY.2014 07:43:51

Channel Position T - QPSK / Bandwidth 1.4MHz - 1GHz – 3GHz



Date: 4.MAY.2014 05:29:02

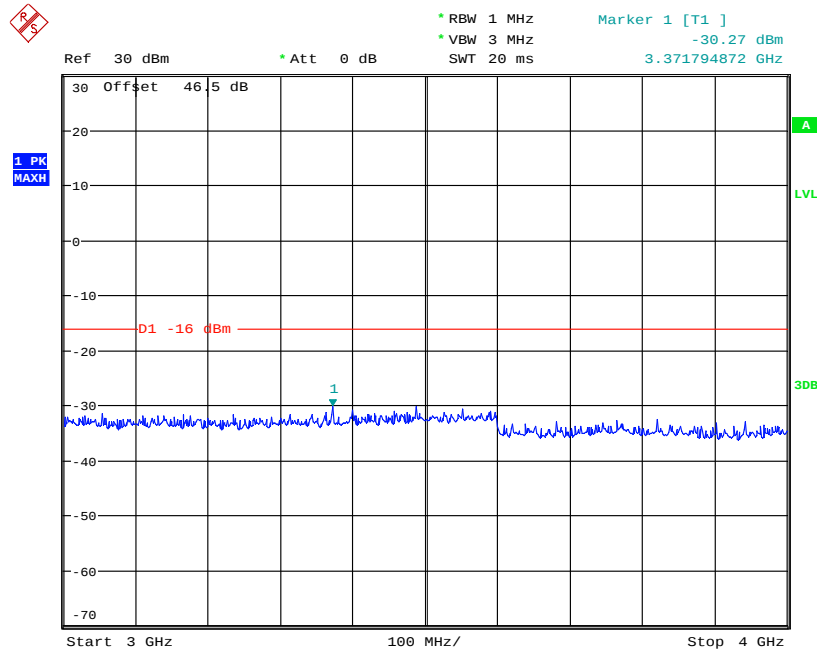
Channel Position T - QPSK / Bandwidth 1.4MHz - 1.87GHz – 2.07GHz



Date: 4.MAY.2014 05:27:00

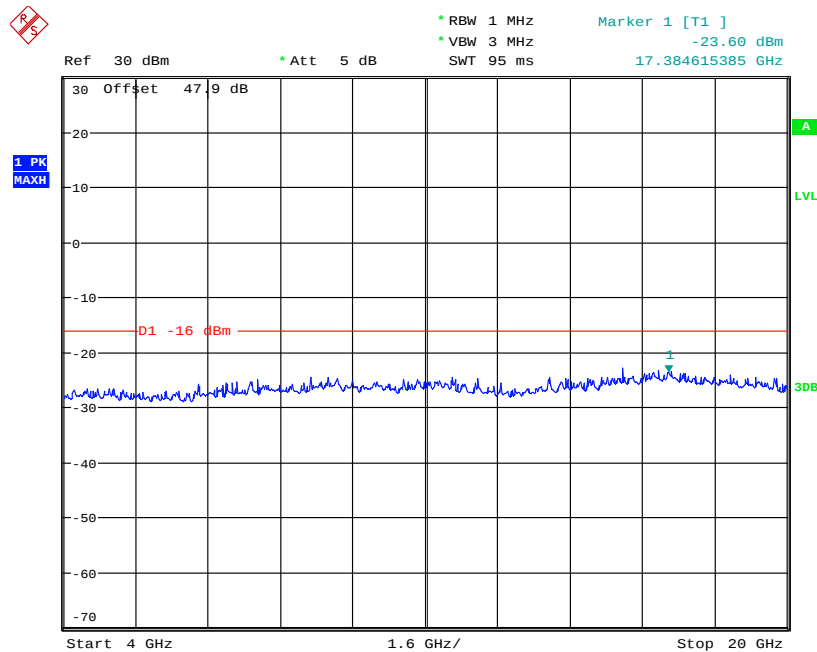
Note: A resolution bandwidth of 100kHz was used, to compensate for the reduced measurement bandwidth, the limit was adjusted from -16dBm to -26dBm.

Channel Position T - QPSK / Bandwidth 1.4MHz - 3GHz – 4GHz



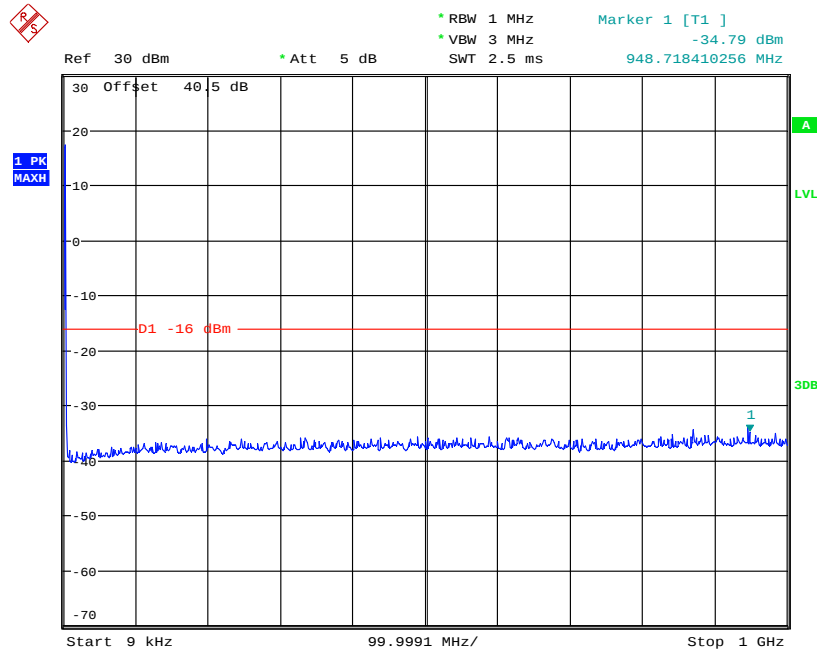
Date: 4.MAY.2014 08:25:00

Channel Position T - QPSK / Bandwidth 1.4MHz - 4GHz – 20GHz



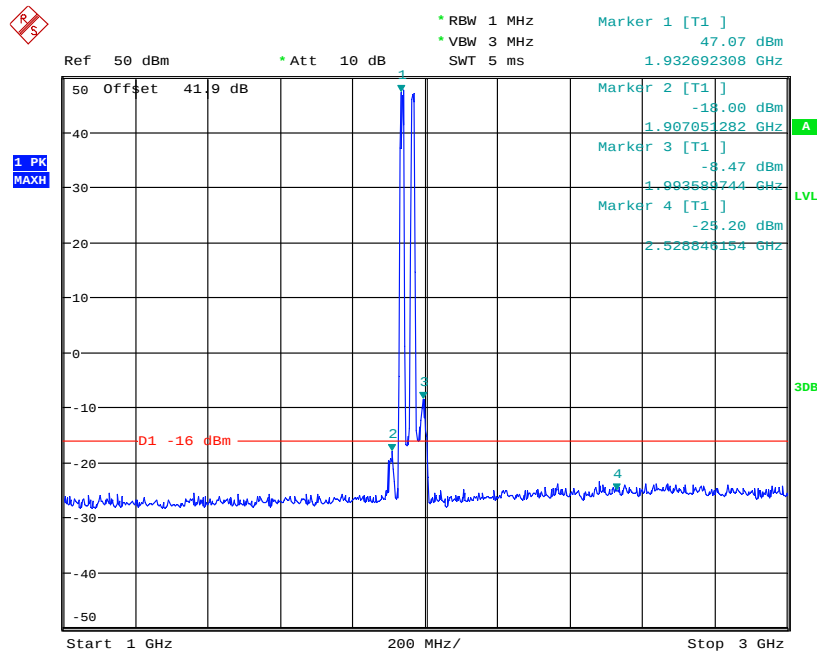
Date: 4.MAY.2014 05:30:04

Channel Position B - QPSK / Bandwidth 10.0MHz - 9kHz – 1GHz



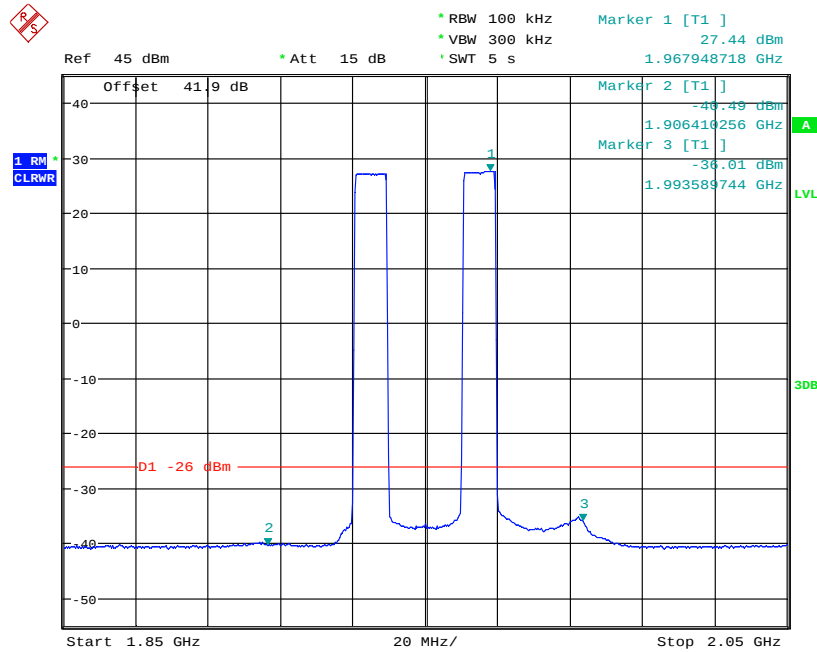
Date: 4.MAY.2014 07:47:19

Channel Position B - QPSK / Bandwidth 10.0MHz - 1GHz – 3GHz



Date: 4.MAY.2014 06:06:59

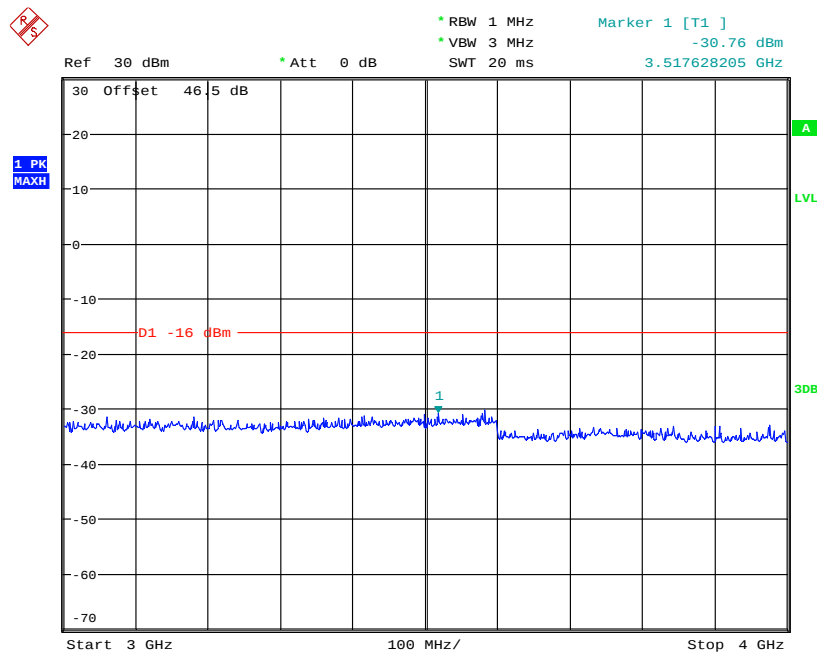
Channel Position B - QPSK / Bandwidth 10.0MHz - 1.85GHz – 2.05GHz



Date: 4.MAY.2014 06:08:15

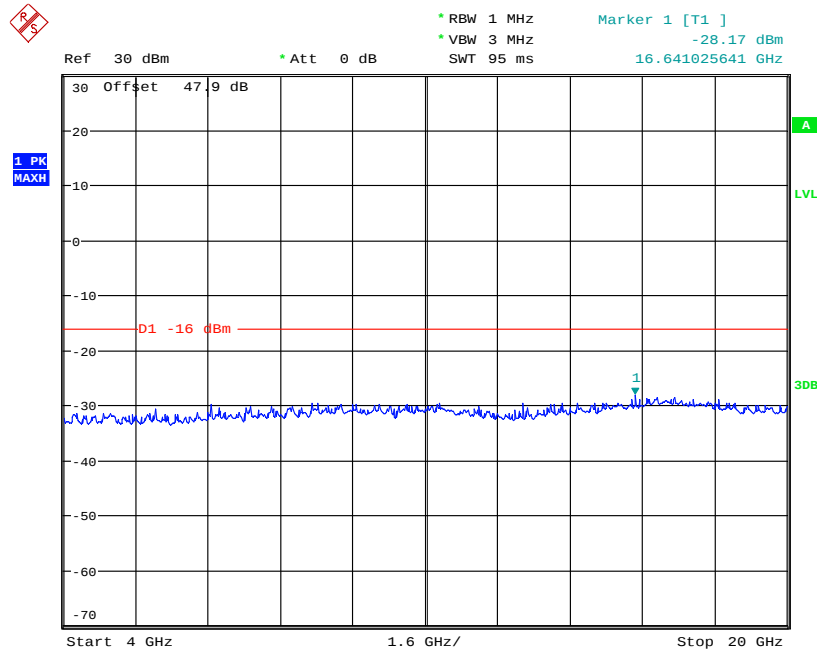
Note: A resolution bandwidth of 100kHz was used, to compensate for the reduced measurement bandwidth, the limit was adjusted from -16dBm to -26dBm.

Channel Position B - QPSK / Bandwidth 10.0MHz - 3GHz – 4GHz



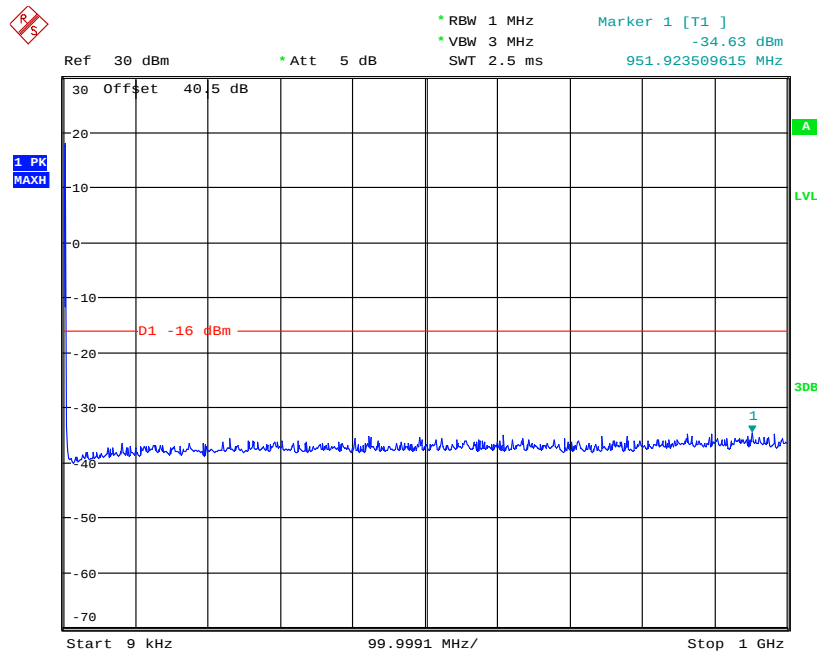
Date: 4.MAY.2014 08:17:14

Channel Position B - QPSK / Bandwidth 10.0MHz - 4GHz – 20GHz



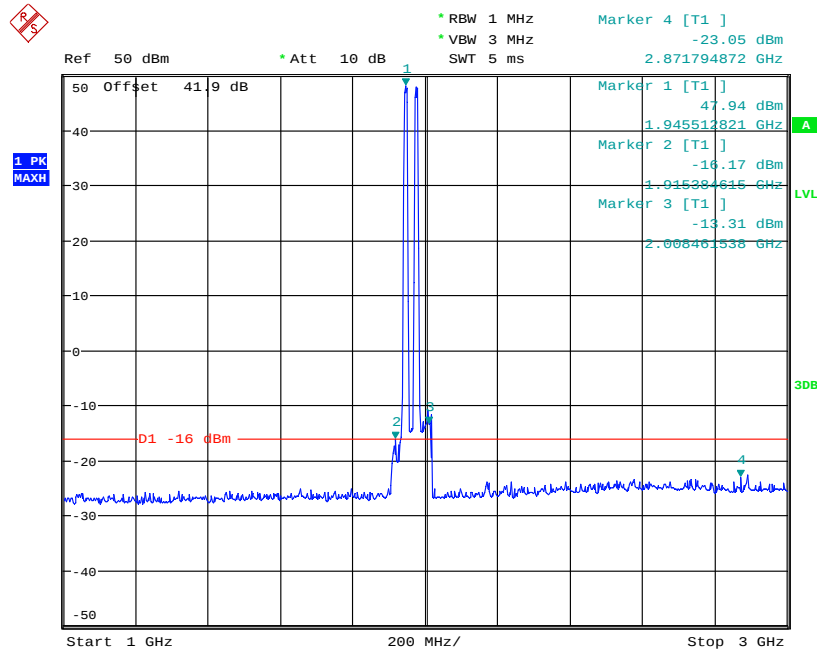
Date: 4.MAY.2014 07:08:58

Channel Position M - QPSK / Bandwidth 10.0MHz - 9kHz – 1GHz



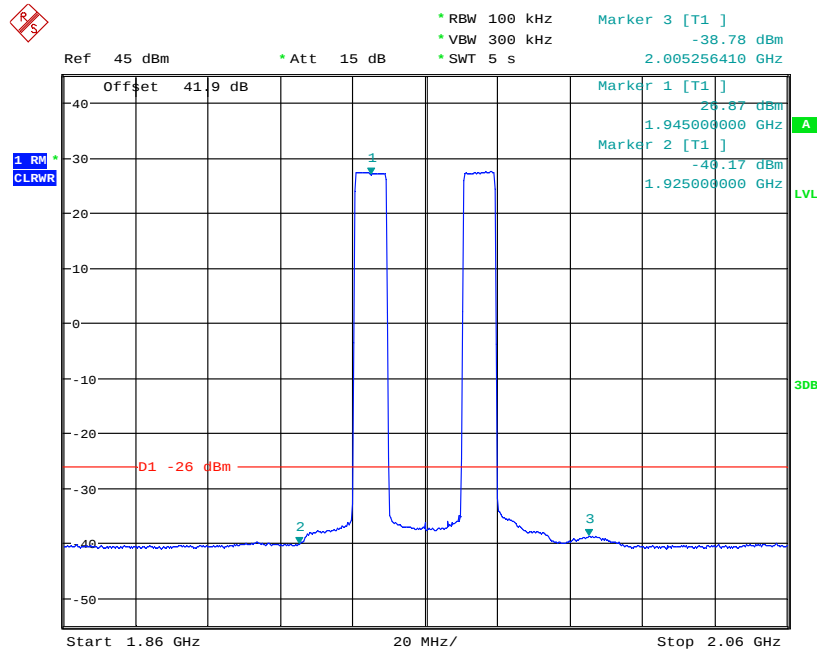
Date: 4.MAY.2014 07:50:27

Channel Position M - QPSK / Bandwidth 10.0MHz - 1GHz – 3GHz



Date: 4.MAY.2014 07:07:47

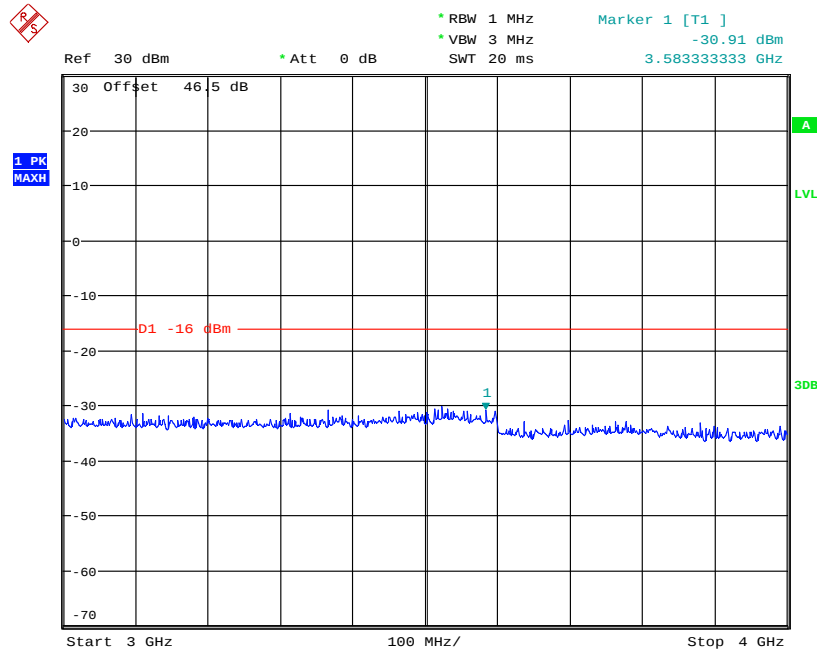
Channel Position M - QPSK / Bandwidth 10.0MHz - 1.86GHz – 2.06GHz



Date: 4.MAY.2014 07:06:49

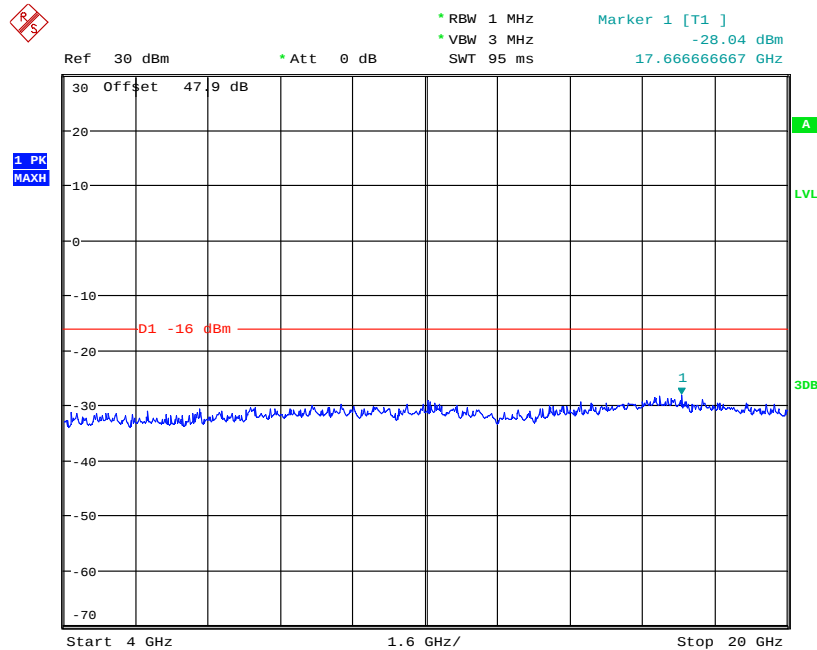
Note: A resolution bandwidth of 100kHz was used, to compensate for the reduced measurement bandwidth, the limit was adjusted from -16dBm to -26dBm.

Channel Position M - QPSK / Bandwidth 10.0MHz - 3GHz – 4GHz



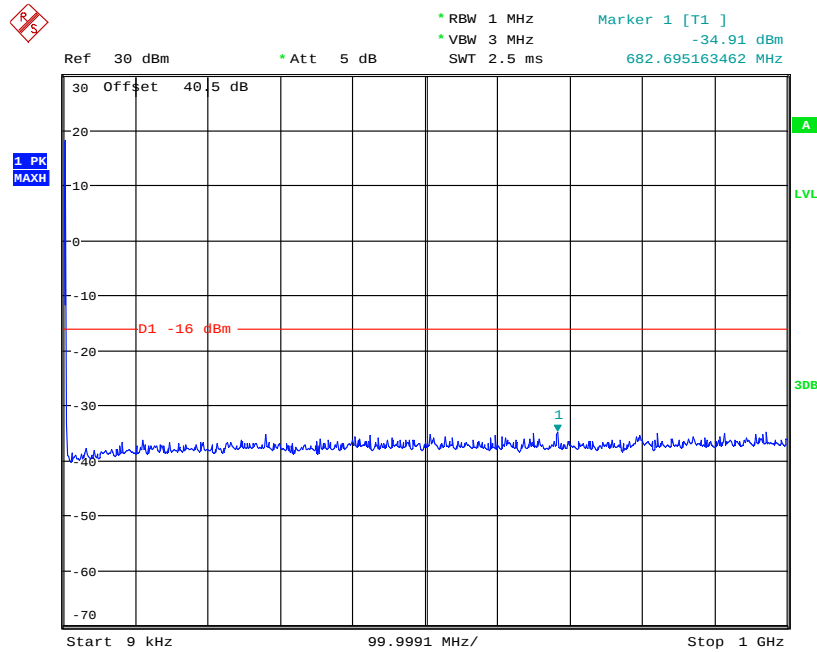
Date: 4.MAY.2014 08:18:13

Channel Position M - QPSK / Bandwidth 10.0MHz - 4GHz – 20GHz



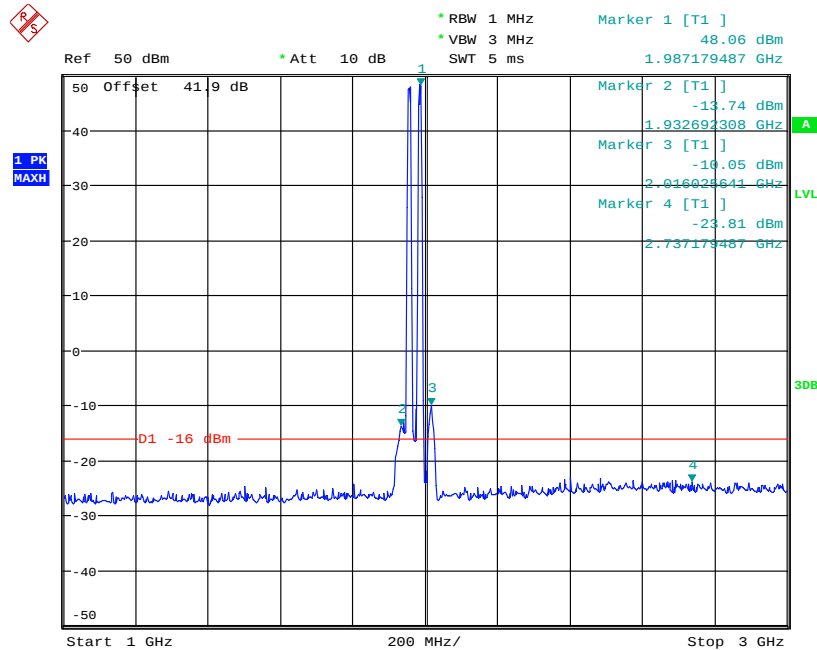
Date: 4.MAY.2014 07:08:35

Channel Position T - QPSK / Bandwidth 10.0MHz - 9kHz – 1GHz



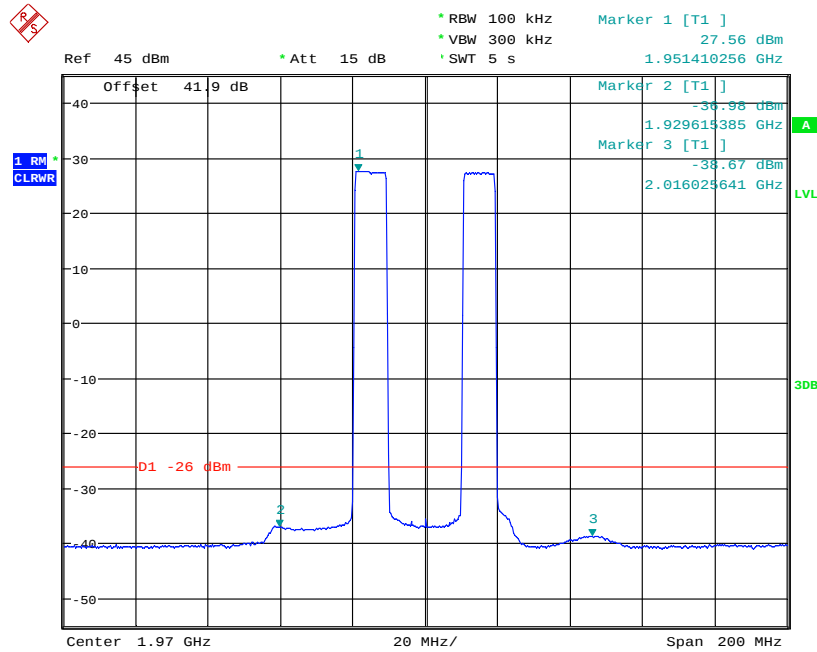
Date: 4.MAY.2014 07:53:51

Channel Position T - QPSK / Bandwidth 10.0MHz - 1GHz – 3GHz



Date: 4.MAY.2014 07:11:21

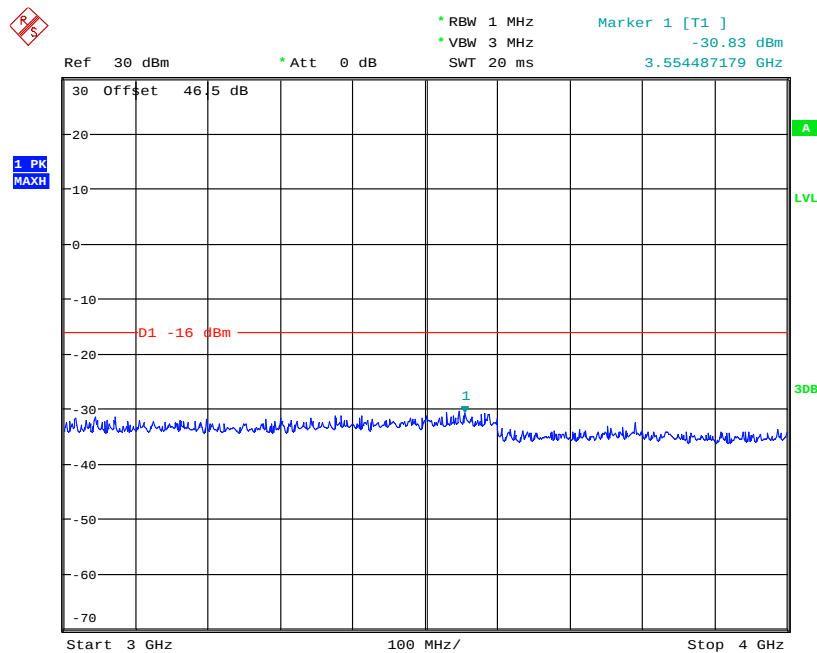
Channel Position T - QPSK / Bandwidth 10.0MHz - 1.87GHz – 2.07GHz



Date: 4.MAY.2014 07:13:06

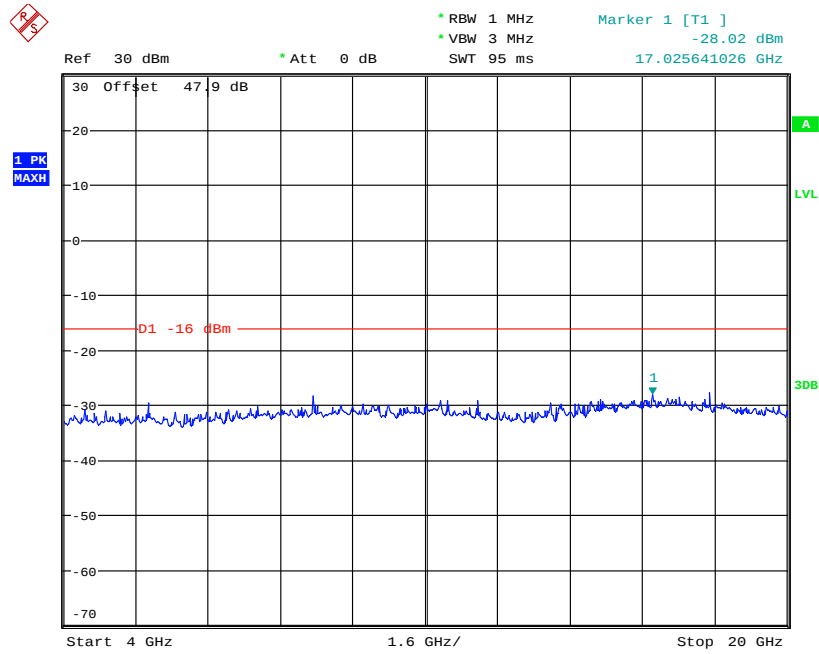
Note: A resolution bandwidth of 100kHz was used, to compensate for the reduced measurement bandwidth, the limit was adjusted from -16dBm to -26dBm.

Channel Position T - QPSK / Bandwidth 10.0MHz - 3GHz – 4GHz



Date: 4.MAY.2014 08:19:29

Channel Position T - QPSK / Bandwidth 10.0MHz - 4GHz – 20GHz



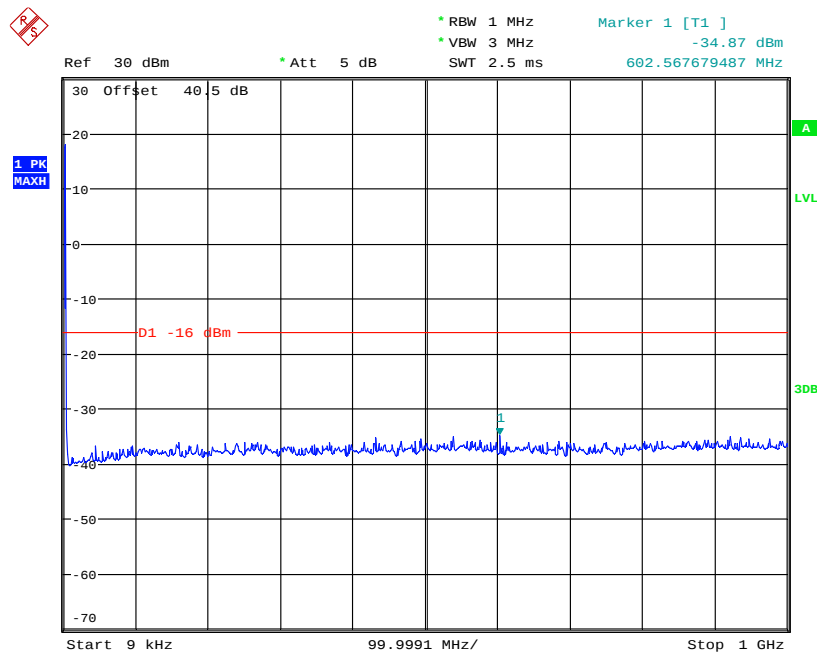
Date: 4.MAY.2014 07:10:20

Configuration L-MIMO-MC 2 (3C)

Maximum Output Power 43.3dBm per carrier

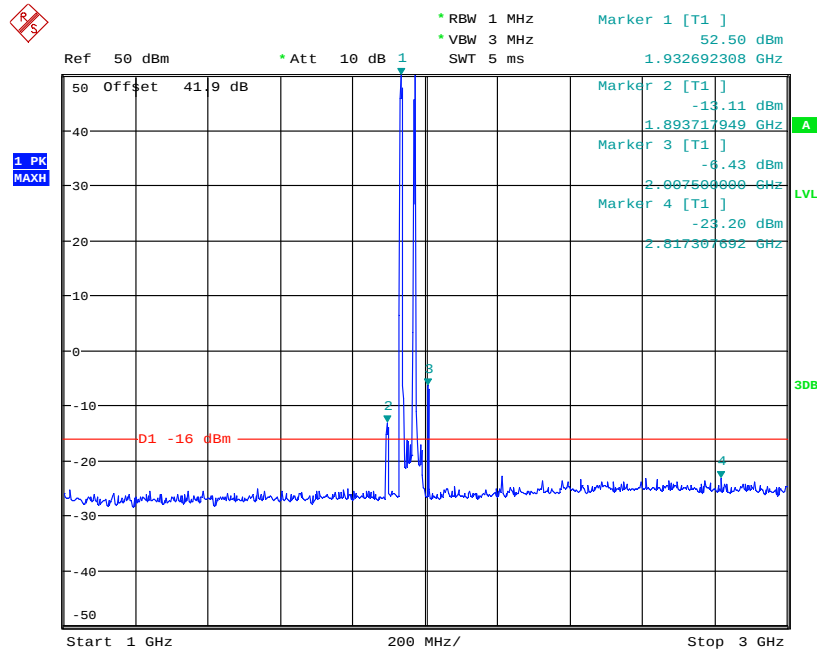
Channel Position	Bandwidth	Channel Frequency
Channel Position B	1.4MHz	Port A1: 1930.7MHz + 1932.1MHz + 1969.3MHz
	5.0MHz	Port A1: 1932.5MHz + 1937.5MHz + 1967.5MHz
Channel Position M	1.4MHz	Port A1: 1940.7MHz + 1942.1MHz + 1979.3MHz
	5.0MHz	Port A1: 1942.5MHz + 1947.5MHz + 1977.5MHz
Channel Position T	1.4MHz	Port A1: 1950.7MHz + 1952.1MHz + 1989.3MHz
	5.0MHz	Port A1: 1952.5MHz + 1957.5MHz + 1987.5MHz

Channel Position B - QPSK / Bandwidth 1.4MHz - 9kHz – 1GHz



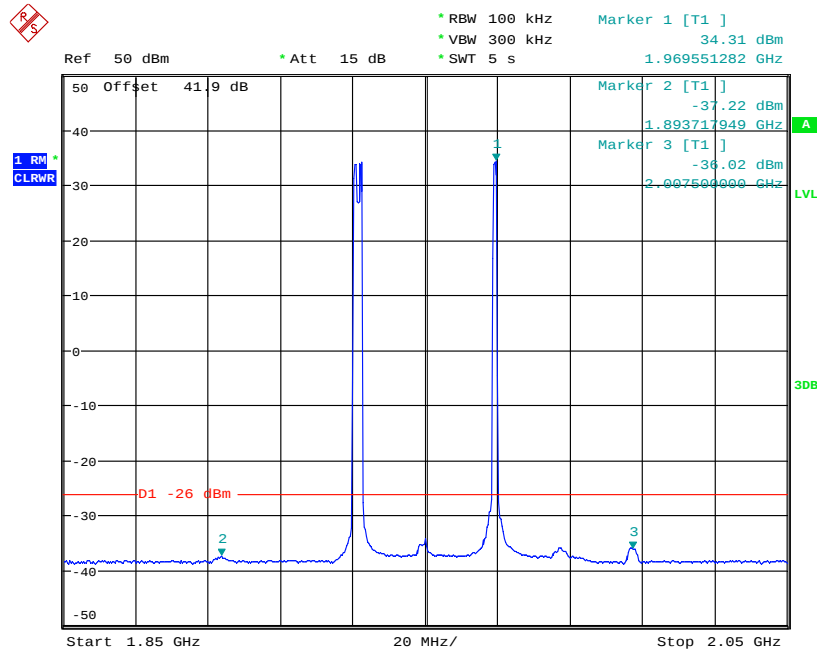
Date: 4.MAY.2014 07:57:01

Channel Position B - QPSK / Bandwidth 1.4MHz - 1GHz – 3GHz



Date: 4.MAY.2014 07:30:02

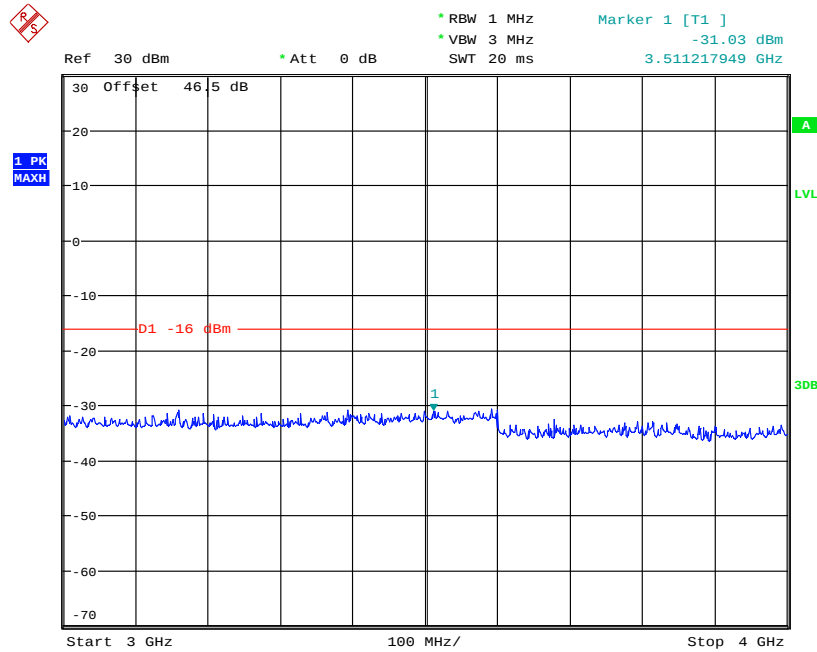
Channel Position B - QPSK / Bandwidth 1.4MHz - 1.85GHz – 2.05GHz



Date: 4.MAY.2014 07:28:31

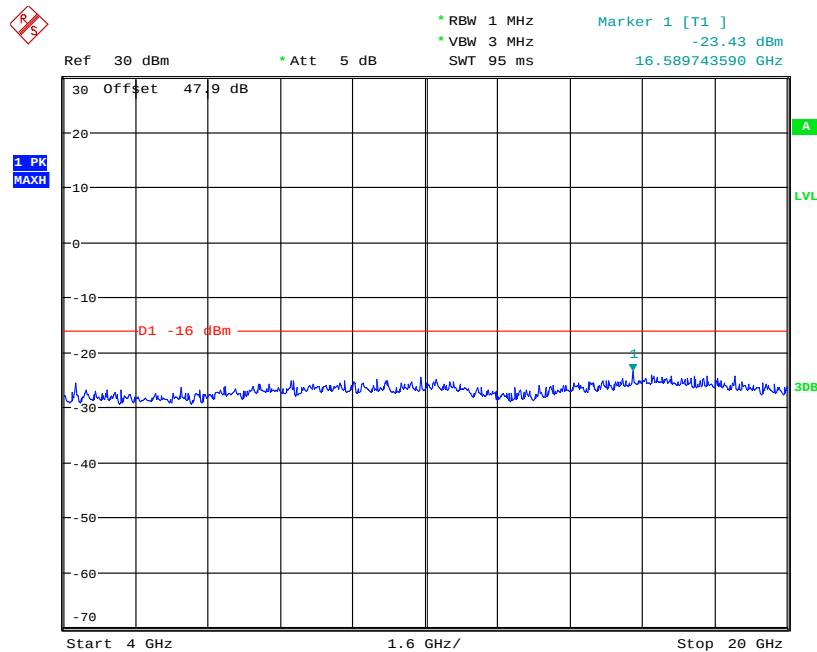
Note: A resolution bandwidth of 100kHz was used, to compensate for the reduced measurement bandwidth, the limit was adjusted from -16dBm to -26dBm.

Channel Position B - QPSK / Bandwidth 1.4MHz - 3GHz – 4GHz



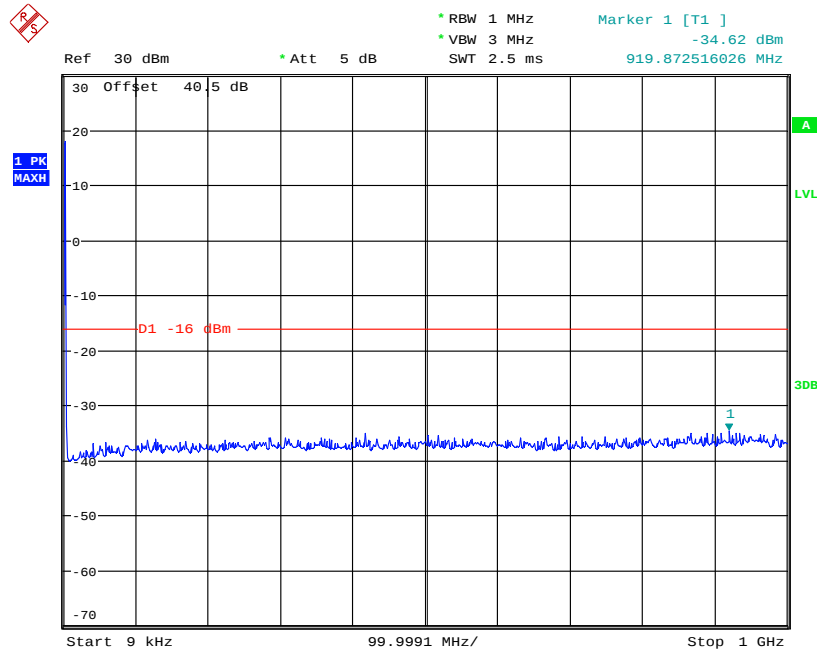
Date: 4.MAY.2014 08:13:16

Channel Position B - QPSK / Bandwidth 1.4MHz - 4GHz – 20GHz



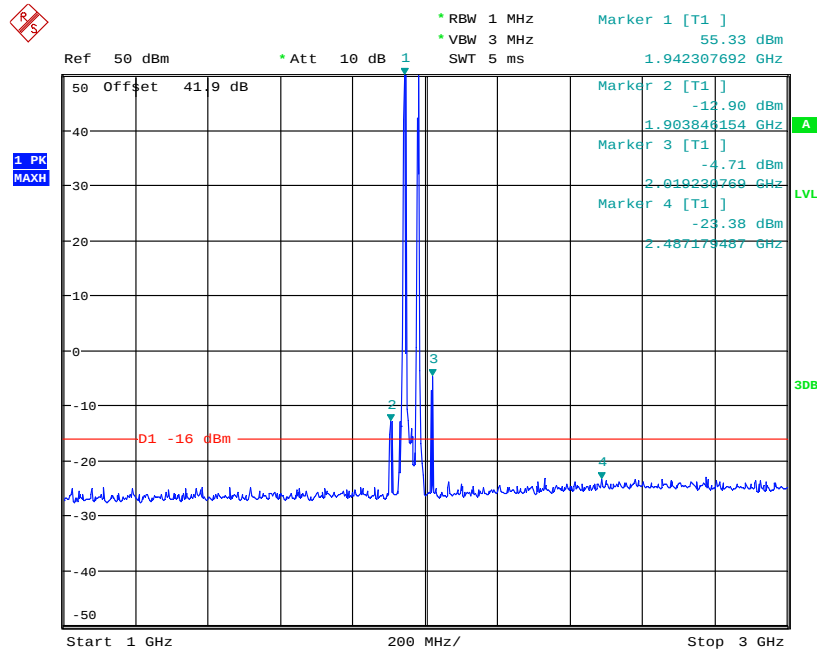
Date: 4.MAY.2014 07:31:01

Channel Position M - QPSK / Bandwidth 1.4MHz - 9kHz – 1GHz



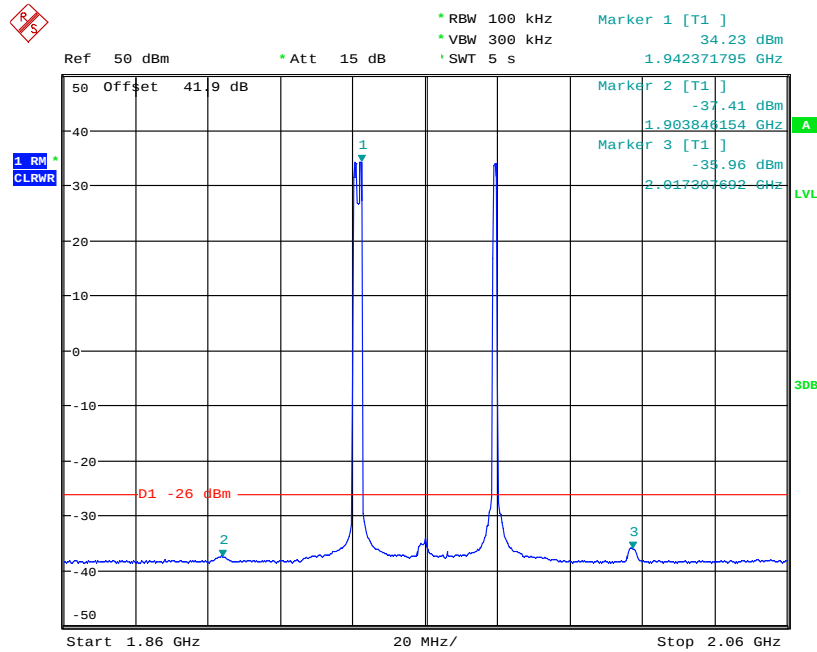
Date: 4.MAY.2014 07:58:19

Channel Position M - QPSK / Bandwidth 1.4MHz - 1GHz – 3GHz



Date: 4.MAY.2014 05:40:05

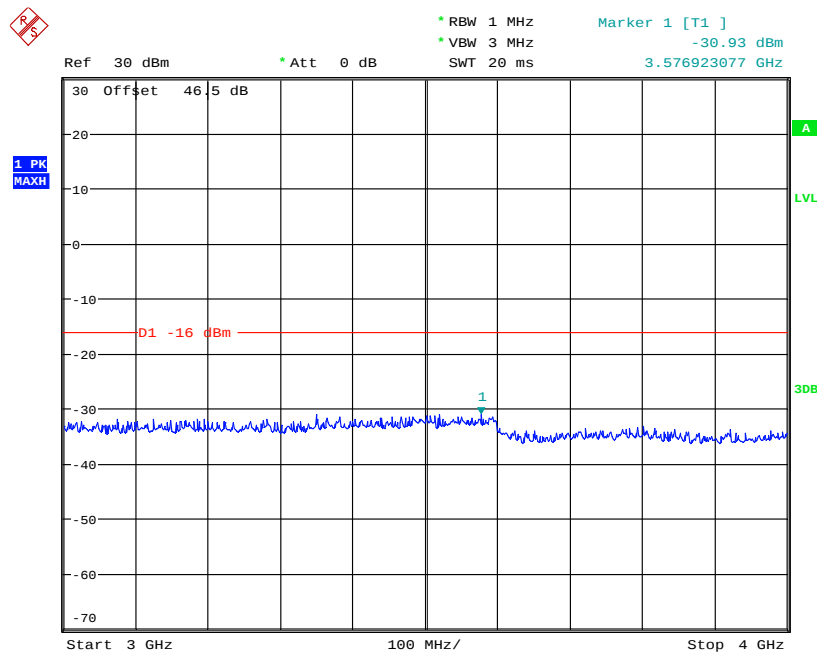
Channel Position M - QPSK / Bandwidth 1.4MHz - 1.86GHz – 2.06GHz



Date: 4.MAY.2014 05:41:50

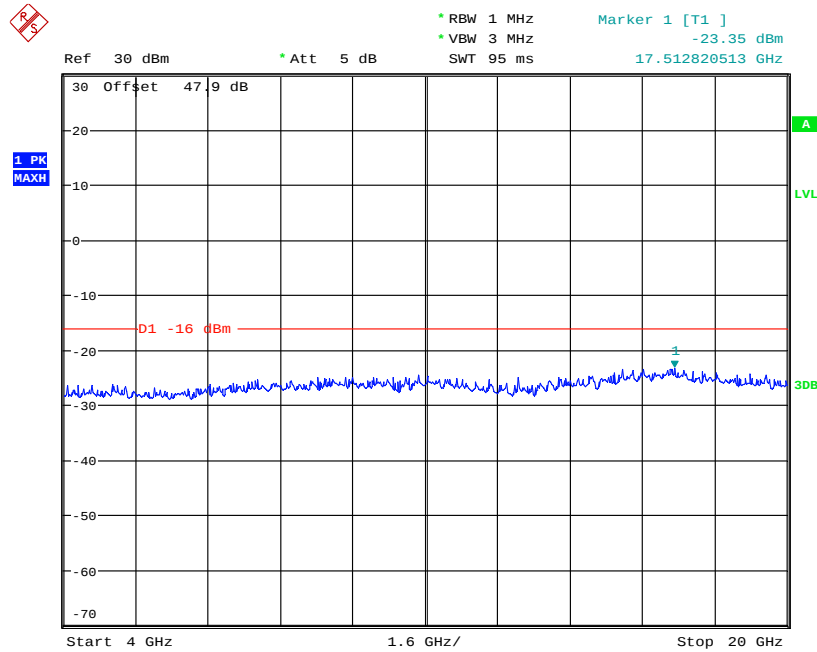
Note: A resolution bandwidth of 100kHz was used, to compensate for the reduced measurement bandwidth, the limit was adjusted from -16dBm to -26dBm.

Channel Position M - QPSK / Bandwidth 1.4MHz - 3GHz – 4GHz



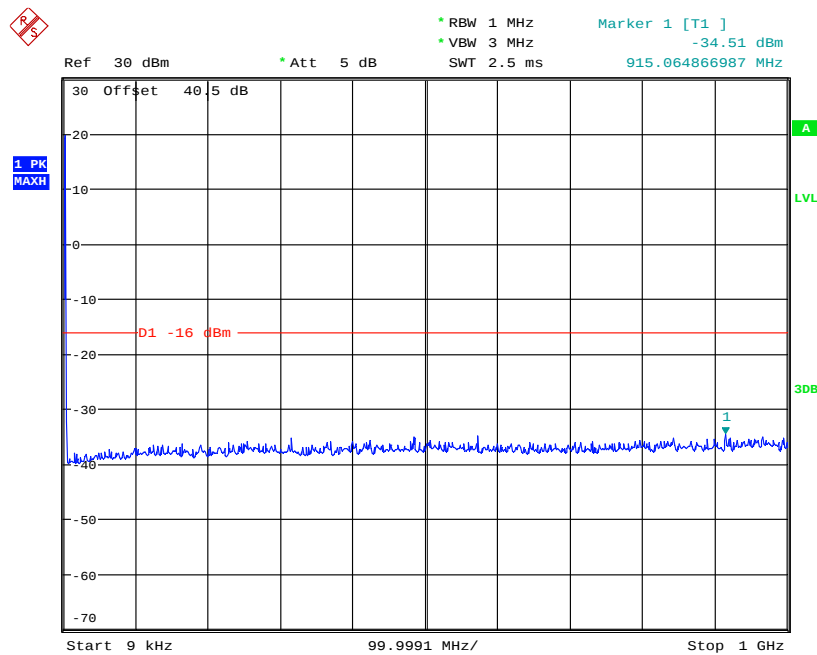
Date: 4.MAY.2014 08:14:21

Channel Position M - QPSK / Bandwidth 1.4MHz - 4GHz – 20GHz



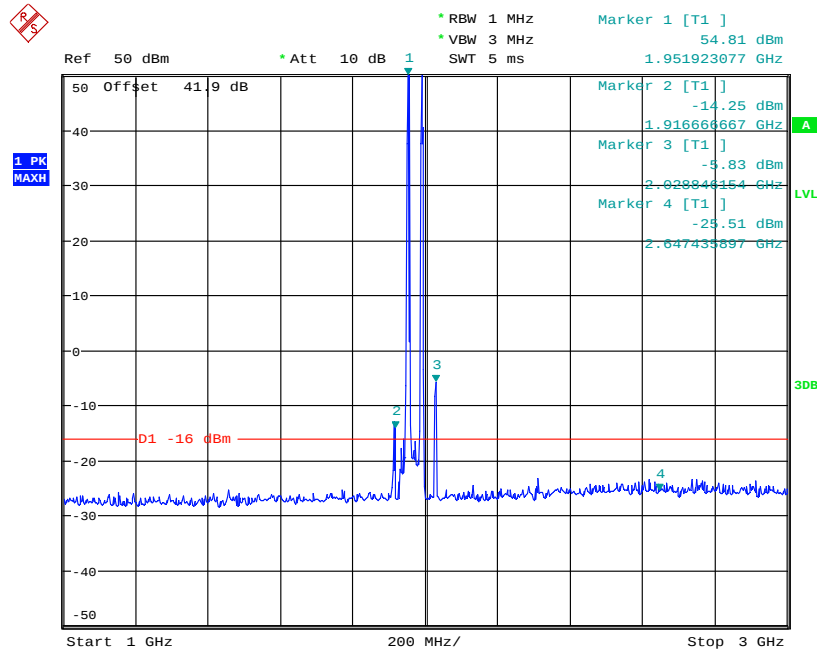
Date: 4.MAY.2014 05:42:48

Channel Position T - QPSK / Bandwidth 1.4MHz - 9kHz – 1GHz



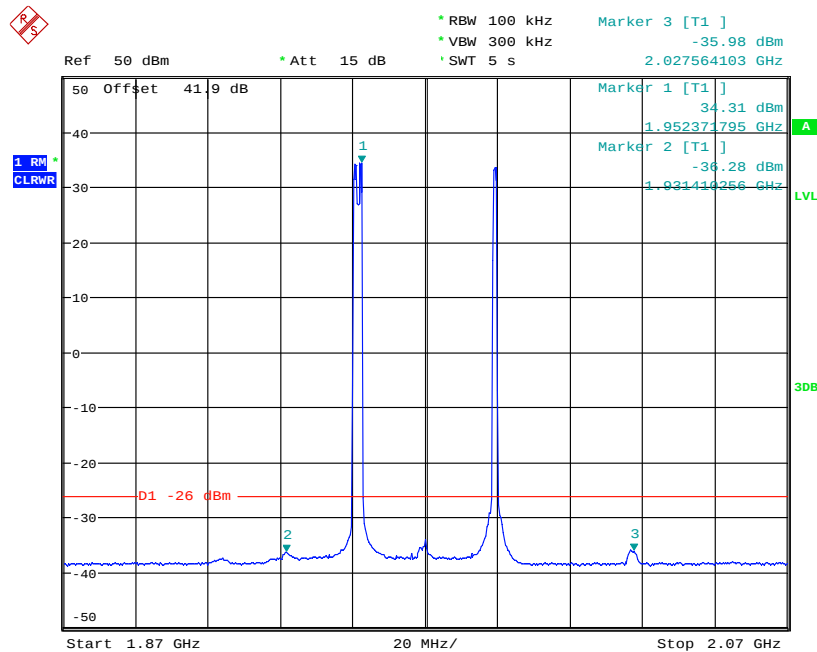
Date: 4.MAY.2014 07:59:48

Channel Position T - QPSK / Bandwidth 1.4MHz - 1GHz – 3GHz



Date: 4.MAY.2014 07:33:51

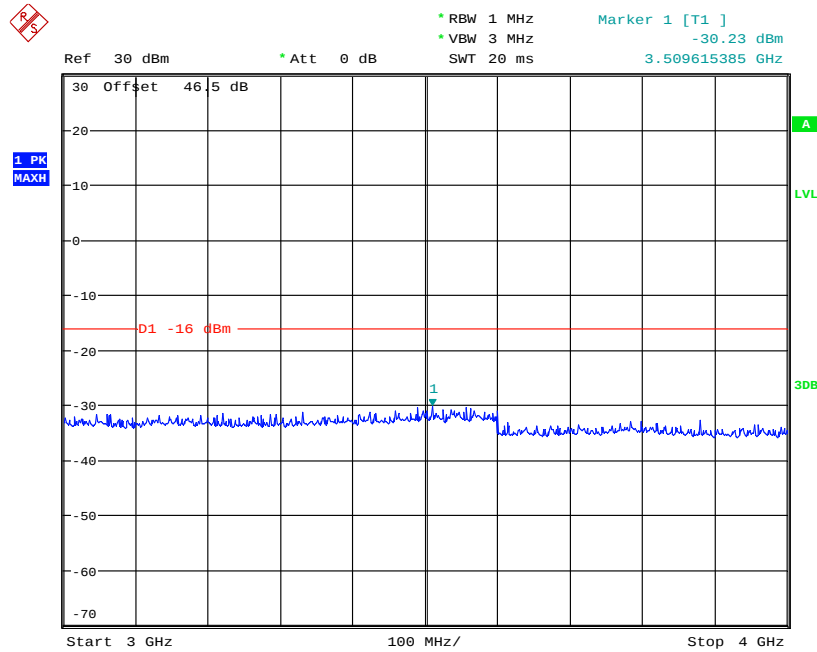
Channel Position T - QPSK / Bandwidth 1.4MHz - 1.87GHz – 2.07GHz



Date: 4.MAY.2014 07:35:17

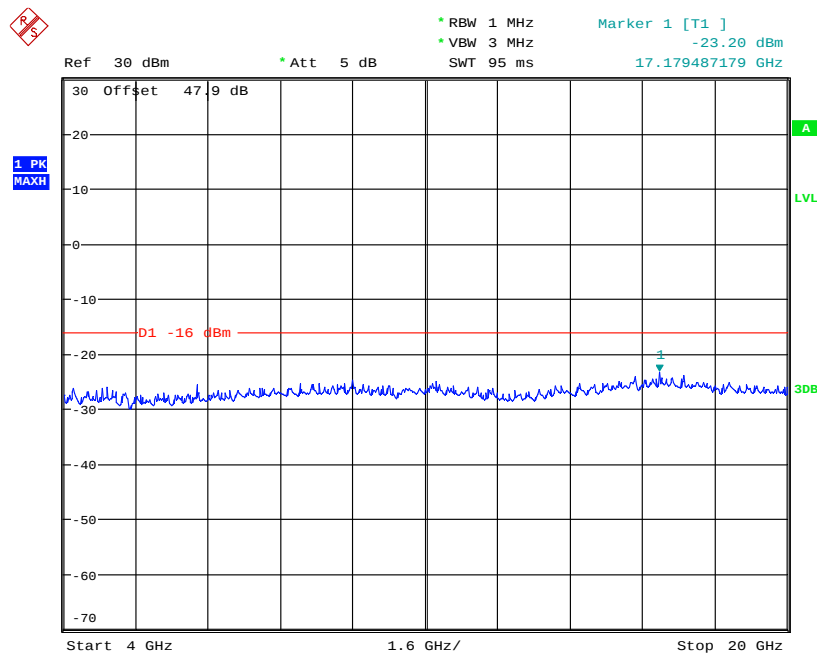
Note: A resolution bandwidth of 100kHz was used, to compensate for the reduced measurement bandwidth, the limit was adjusted from -16dBm to -26dBm.

Channel Position T - QPSK / Bandwidth 1.4MHz - 3GHz – 4GHz



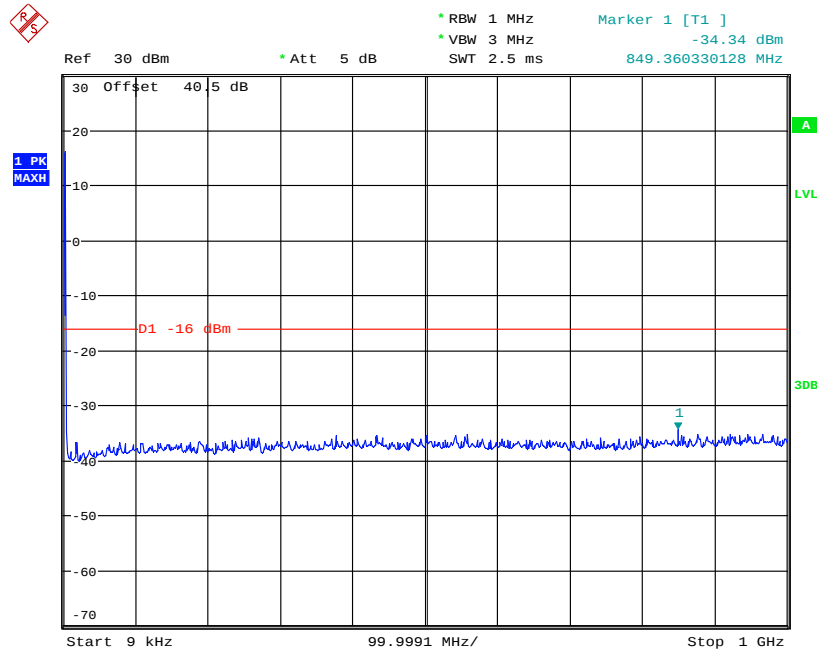
Date: 4.MAY.2014 08:15:35

Channel Position T - QPSK / Bandwidth 1.4MHz - 4GHz – 20GHz



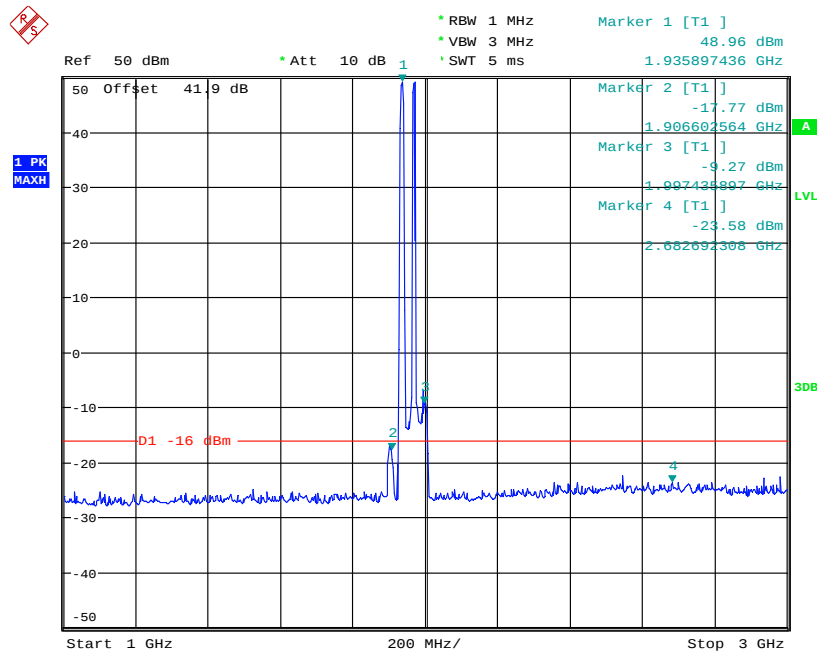
Date: 4.MAY.2014 07:32:24

Channel Position B - QPSK / Bandwidth 5.0MHz - 9kHz – 1GHz



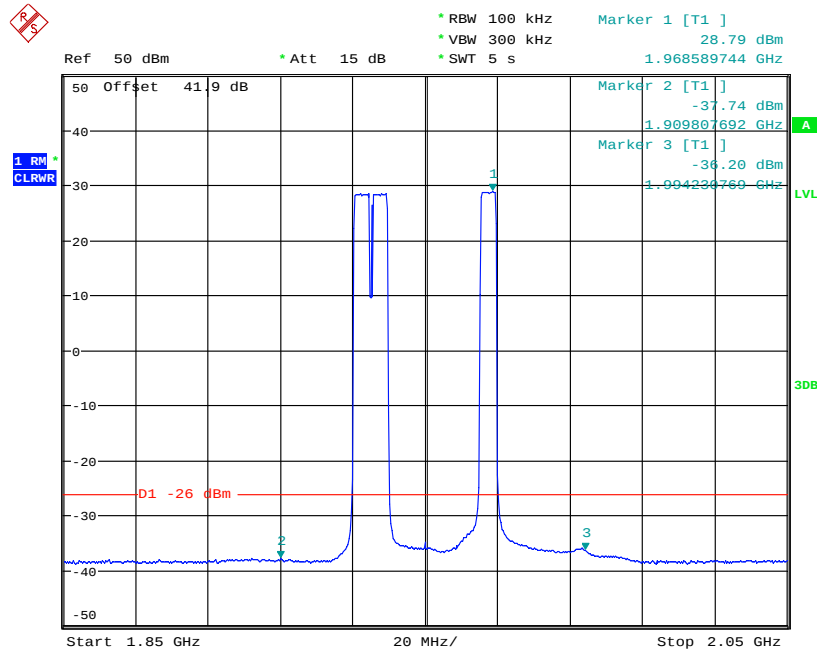
Date: 4.MAY.2014 08:03:50

Channel Position B - QPSK / Bandwidth 5.0MHz - 1GHz – 3GHz



Date: 4.MAY.2014 07:18:24

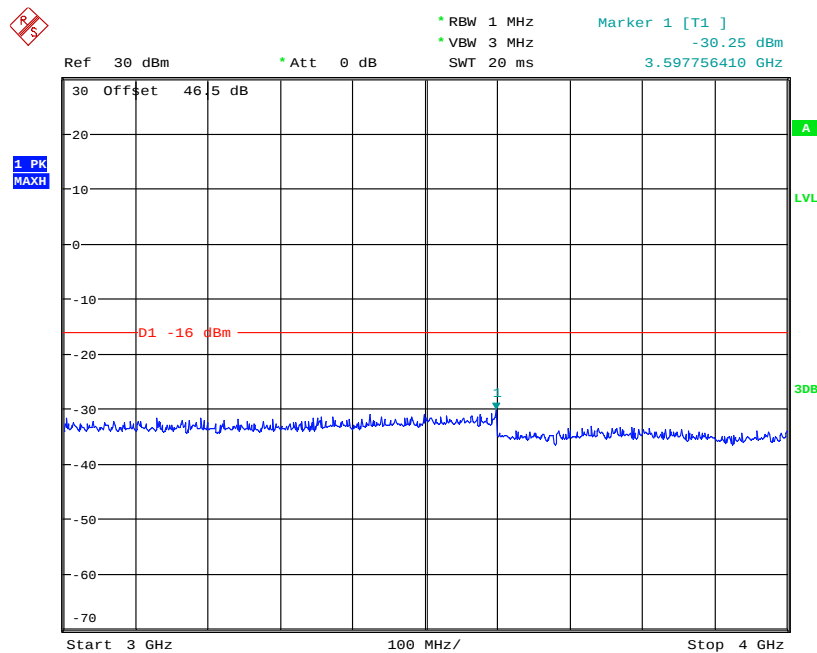
Channel Position B - QPSK / Bandwidth 5.0MHz - 1.85GHz – 2.05GHz



Date: 4.MAY.2014 07:16:38

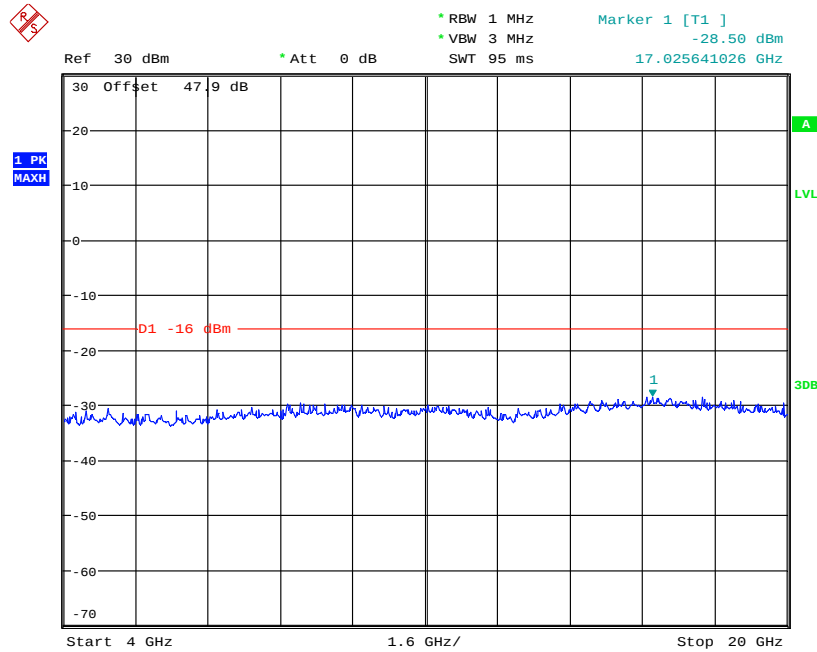
Note: A resolution bandwidth of 100kHz was used, to compensate for the reduced measurement bandwidth, the limit was adjusted from -16dBm to -26dBm.

Channel Position B - QPSK / Bandwidth 5.0MHz - 3GHz – 4GHz



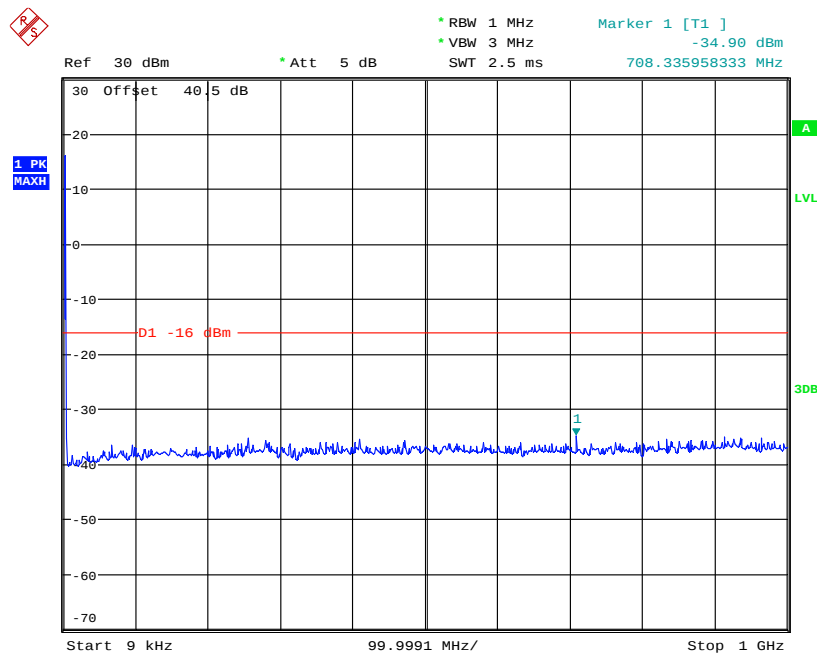
Date: 4.MAY.2014 08:11:20

Channel Position B - QPSK / Bandwidth 5.0MHz - 4GHz – 20GHz



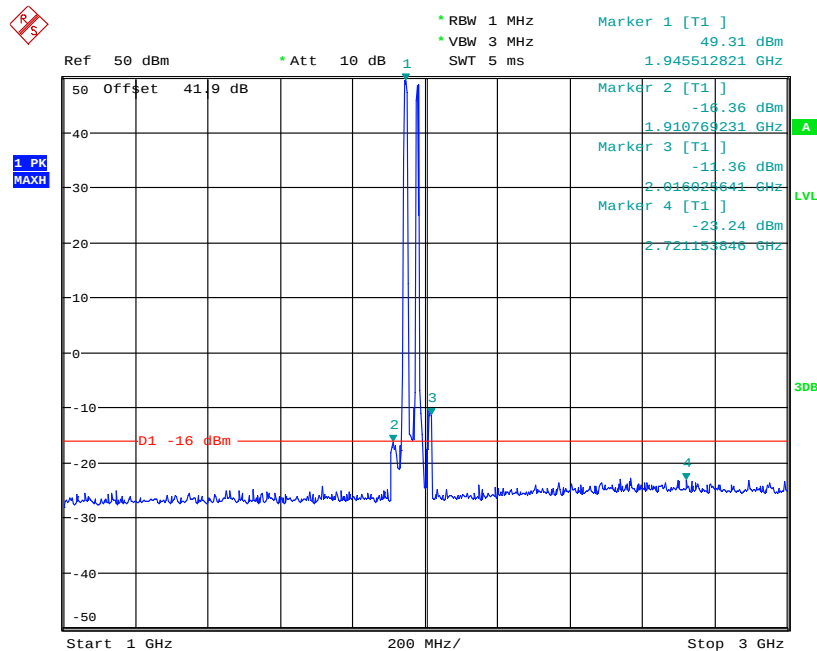
Date: 4.MAY.2014 07:19:54

Channel Position M - QPSK / Bandwidth 5.0MHz - 9kHz – 1GHz



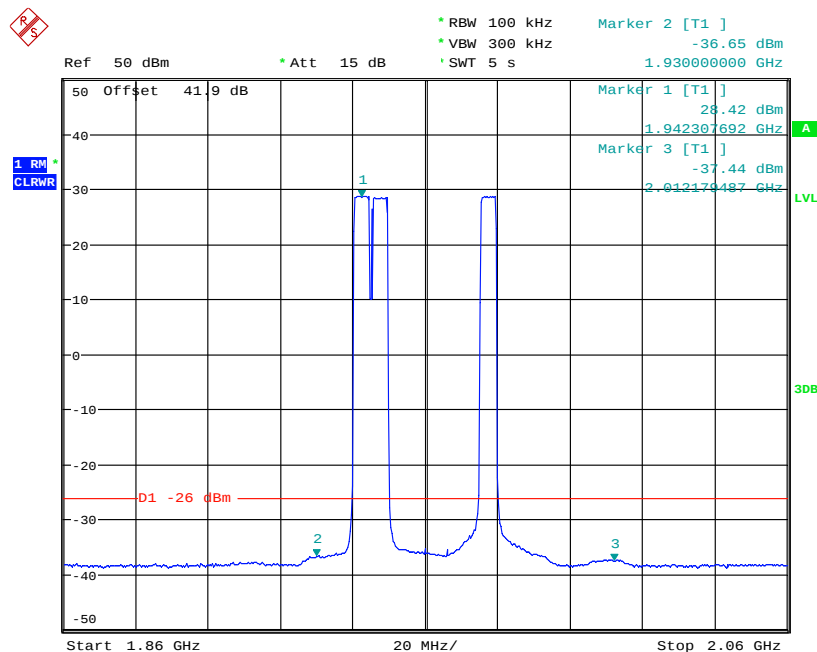
Date: 4.MAY.2014 08:02:04

Channel Position M - QPSK / Bandwidth 5.0MHz - 1GHz – 3GHz



Date: 4.MAY.2014 05:53:29

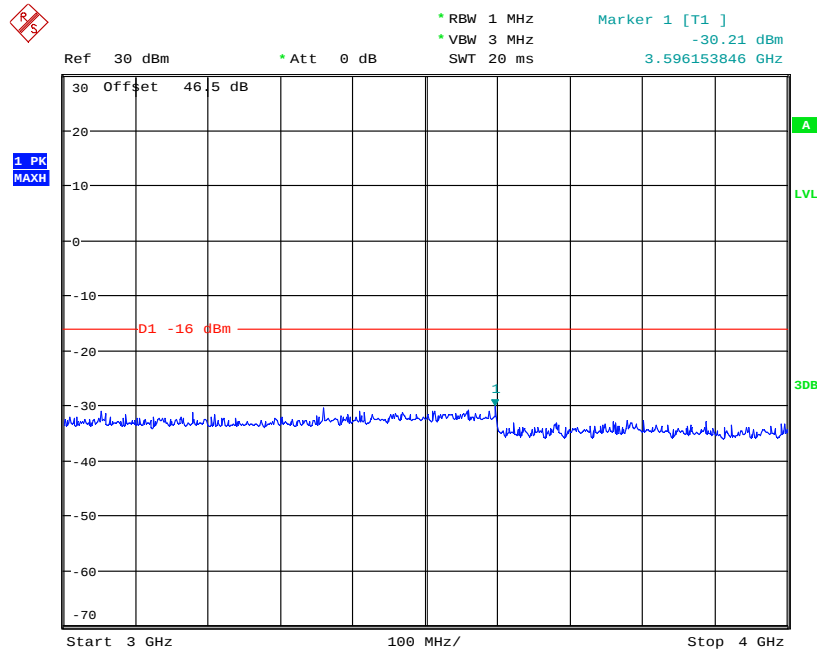
Channel Position M - QPSK / Bandwidth 5.0MHz - 1.86GHz – 2.06GHz



Date: 4.MAY.2014 05:51:46

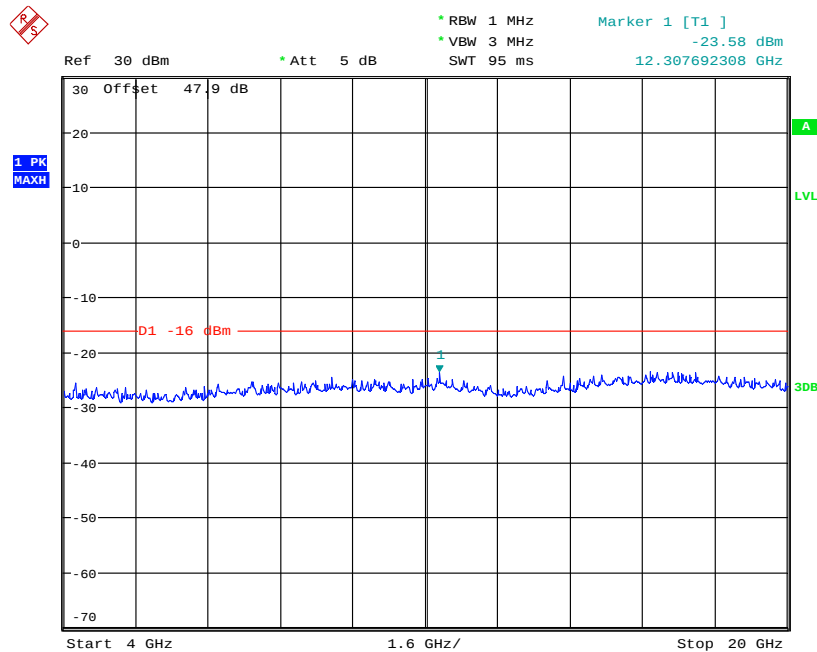
Note: A resolution bandwidth of 100kHz was used, to compensate for the reduced measurement bandwidth, the limit was adjusted from -16dBm to -26dBm.

Channel Position M - QPSK / Bandwidth 5.0MHz - 3GHz – 4GHz



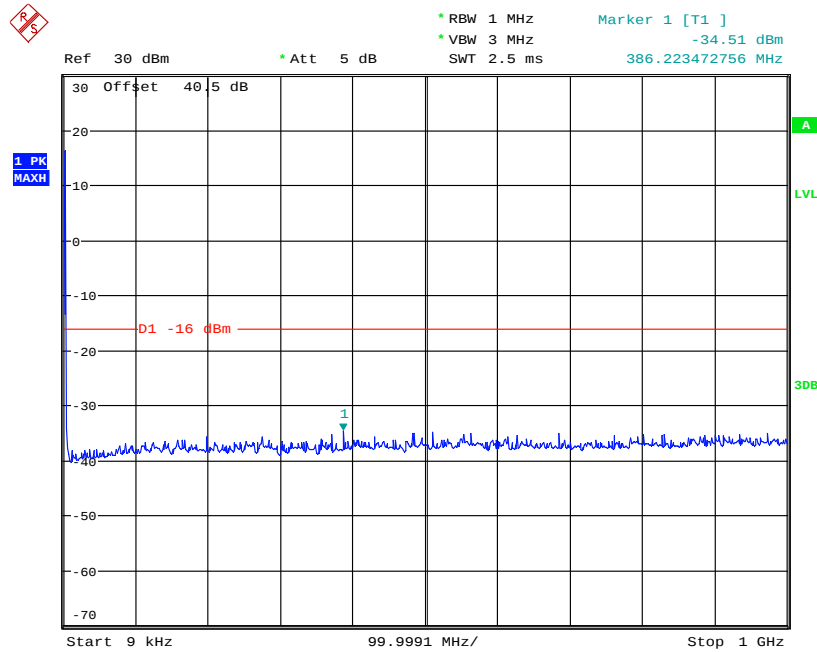
Date: 4.MAY.2014 08:10:06

Channel Position M - QPSK / Bandwidth 5.0MHz - 4GHz – 20GHz



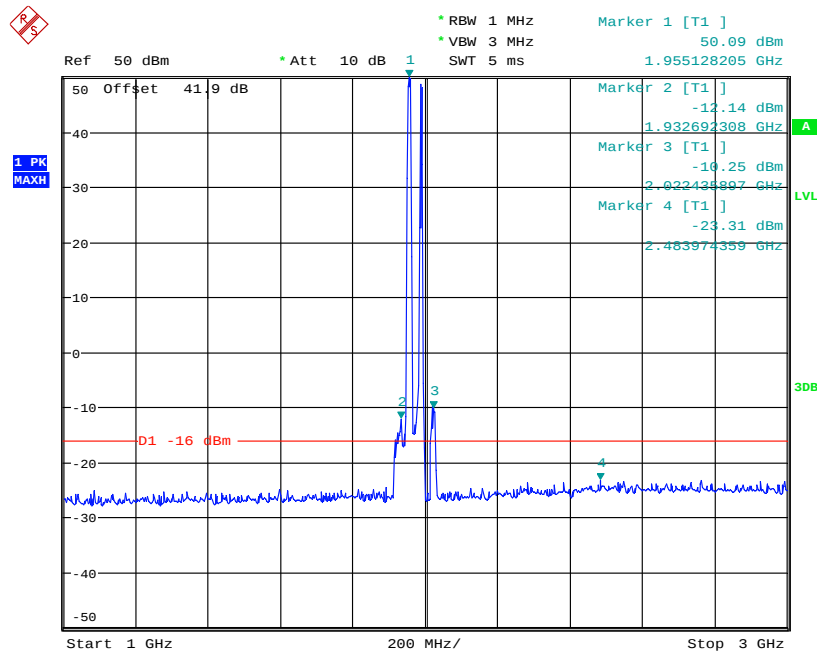
Date: 4.MAY.2014 06:01:48

Channel Position T - QPSK / Bandwidth 5.0MHz - 9kHz – 1GHz



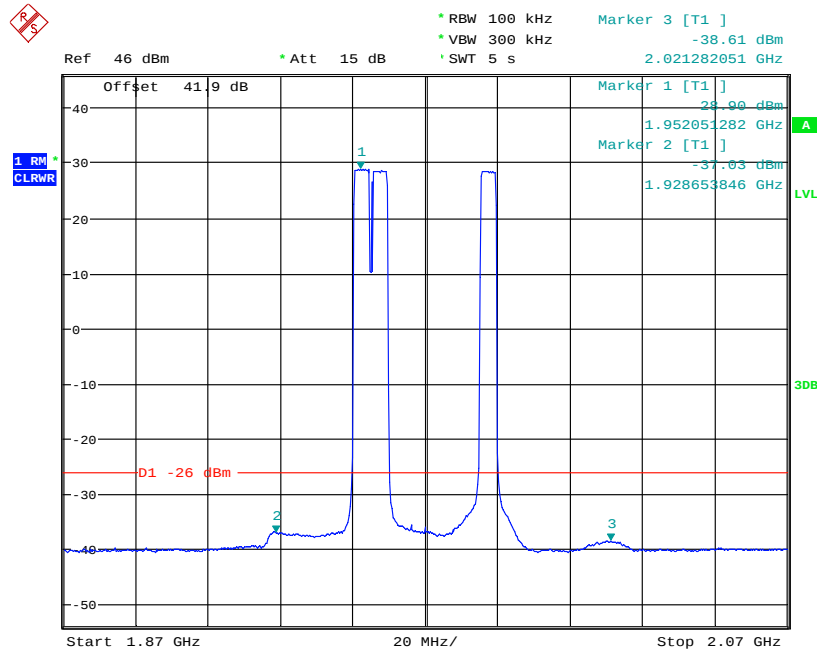
Date: 4.MAY.2014 08:04:53

Channel Position T - QPSK / Bandwidth 5.0MHz - 1GHz – 3GHz



Date: 4.MAY.2014 07:22:55

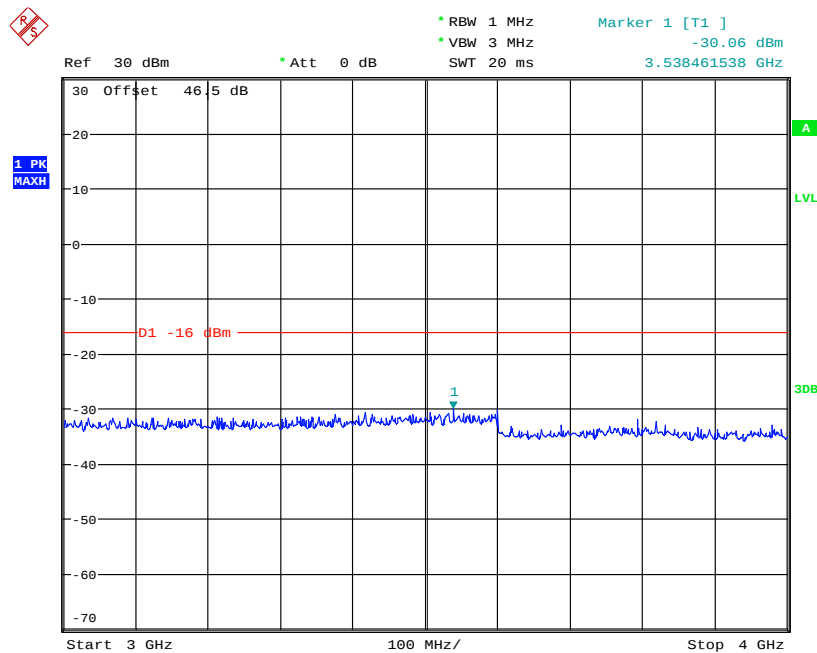
Channel Position T - QPSK / Bandwidth 5.0MHz - 1.87GHz – 2.07GHz



Date: 4.MAY.2014 07:24:31

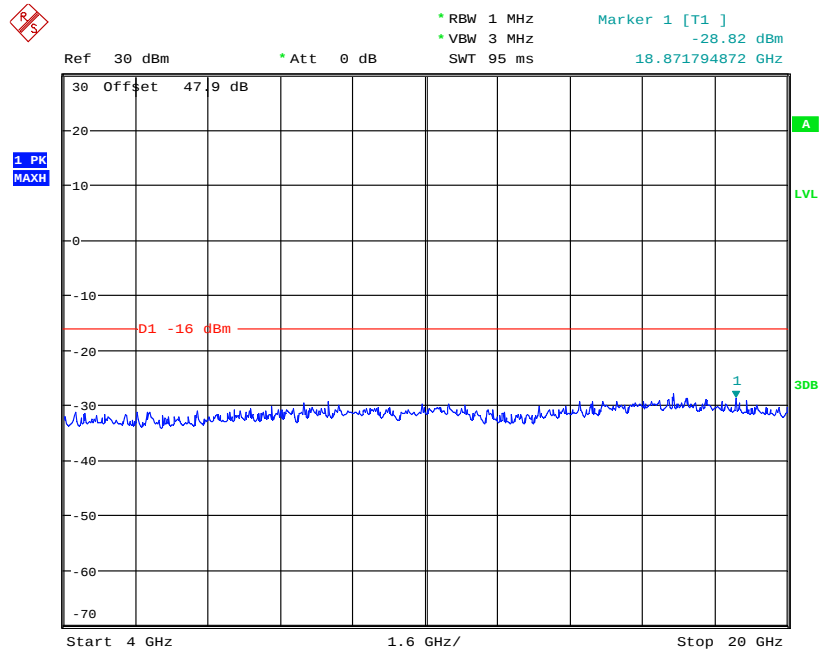
Note: A resolution bandwidth of 100kHz was used, to compensate for the reduced measurement bandwidth, the limit was adjusted from -16dBm to -26dBm.

Channel Position T - QPSK / Bandwidth 5.0MHz - 3GHz – 4GHz



Date: 4.MAY.2014 08:09:50

Channel Position T - QPSK / Bandwidth 5.0MHz - 4GHz – 20GHz



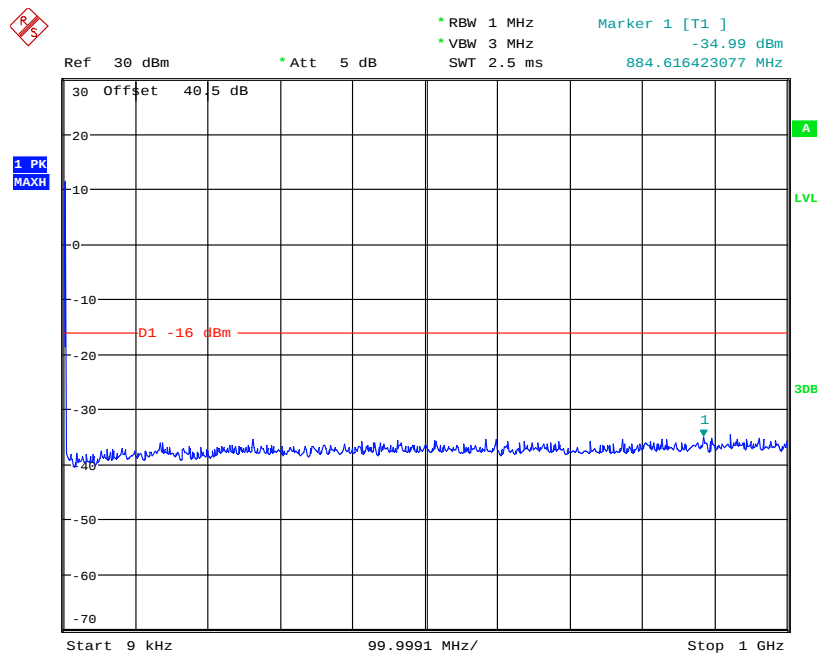
Date: 4.MAY.2014 07:21:45

Configuration G+W-MIMO-MC 3 (2G + 1W)

Maximum Output Power 43.8dBm per carrier

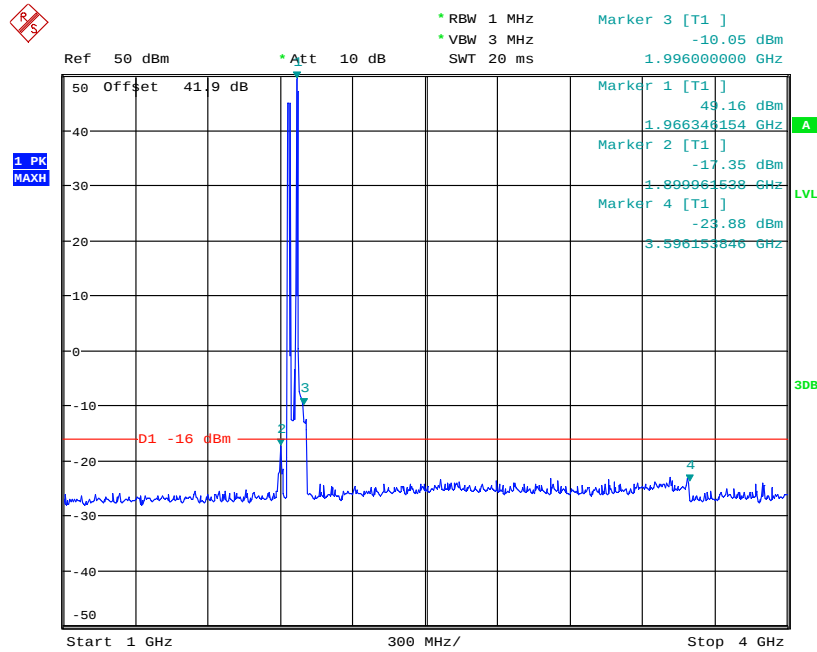
Channel Position	Channel Frequencies
Channel Position B_{RFBW}	Port A1: (G) 1930.4MHz + (G)1936.4MHz + (W)1967.6MHz Port A2: (G) 1931.0MHz + (G)1937.0MHz + (W)1967.6MHz
Channel Position M_{RFBW}	Port A1: (G) 1940.2MHz + (G)1946.2MHz + (W) 1977.6MHz Port A2: (G) 1940.8MHz + (G)1946.8MHz + (W) 1977.6MHz
Channel Position T_{RFBW}	Port A1: (G) 1950.2MHz + (G)1956.2MHz + (W) 1987.6MHz Port A2: (G) 1950.8MHz + (G)1956.8MHz + (W) 1987.6MHz

Channel Position B_{RFBW} - GSM GMSK / WCDMA 16QAM - 9kHz – 1GHz



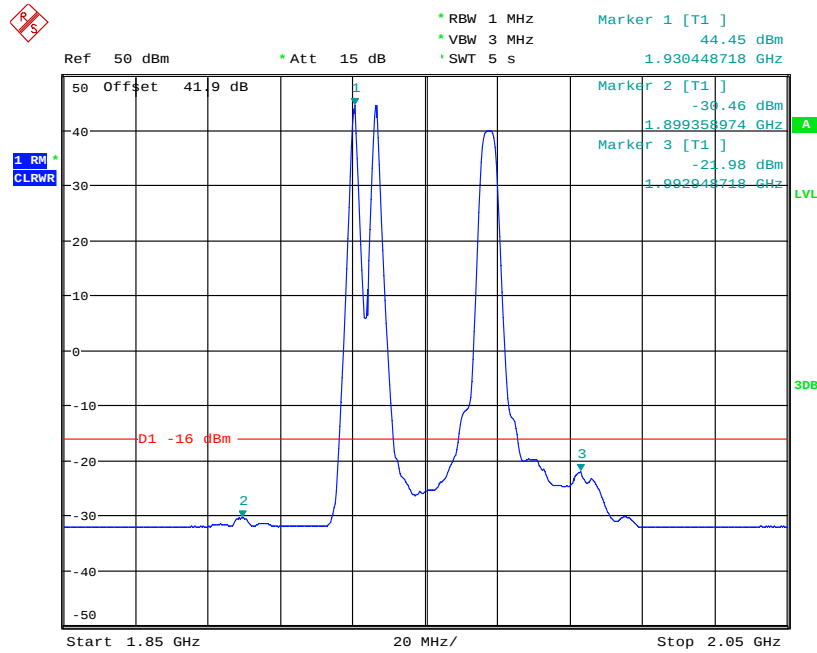
Date: 4.MAY.2014 10:29:28

Channel Position B_{RFBW} - GSM GMSK / WCDMA 16QAM - 1GHz – 4GHz



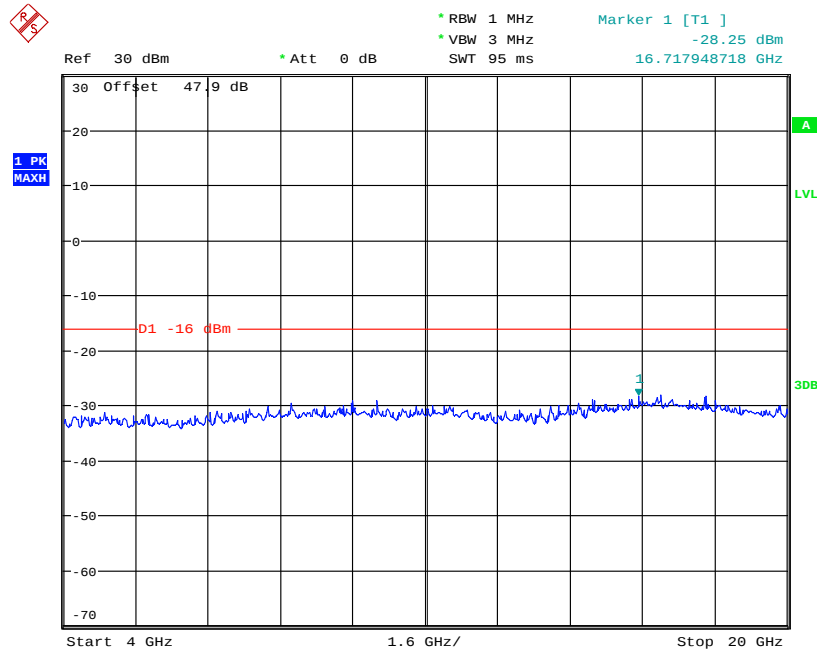
Date: 4.MAY.2014 10:12:48

Channel Position B_{RFBW} - GSM GMSK / WCDMA 16QAM - 1.85GHz – 2.05GHz



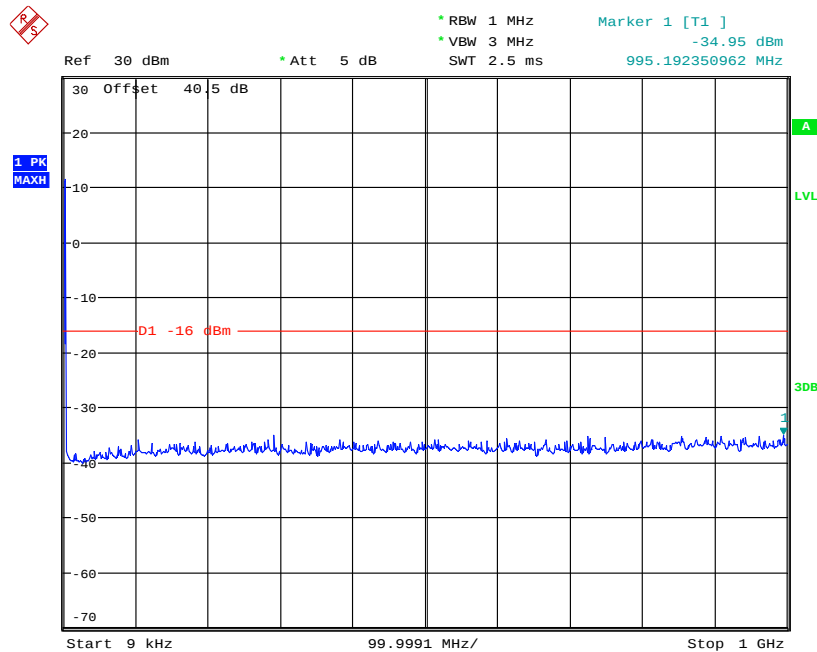
Date: 5.MAY.2014 10:57:12

Channel Position B_{RFBW} - GSM GMSK / WCDMA 16QAM - 4GHz – 20GHz



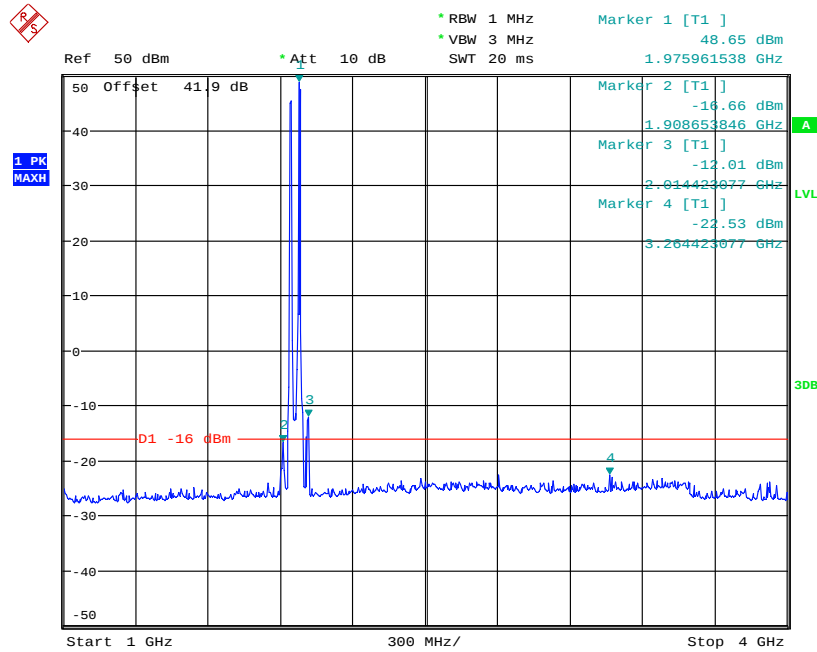
Date: 4.MAY.2014 10:13:22

Channel Position M_{RFBW} - GSM GMSK / WCDMA 16QAM - 9kHz – 1GHz



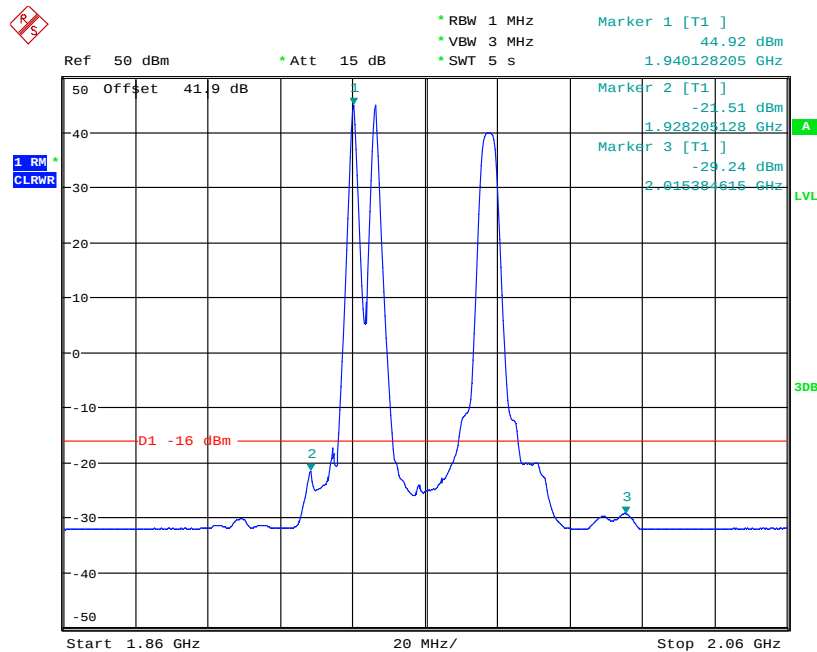
Date: 4.MAY.2014 10:28:05

Channel Position M_{RFBW} - GSM GMSK / WCDMA 16QAM - 1GHz – 4GHz



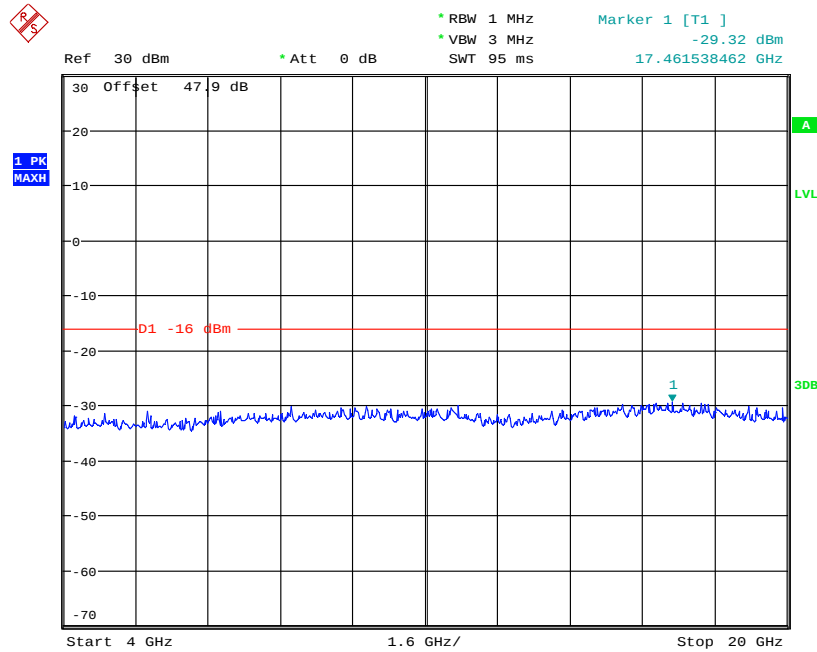
Date: 4.MAY.2014 09:51:24

Channel Position M_{RFBW} - GSM GMSK / WCDMA 16QAM - 1.86GHz – 2.06GHz



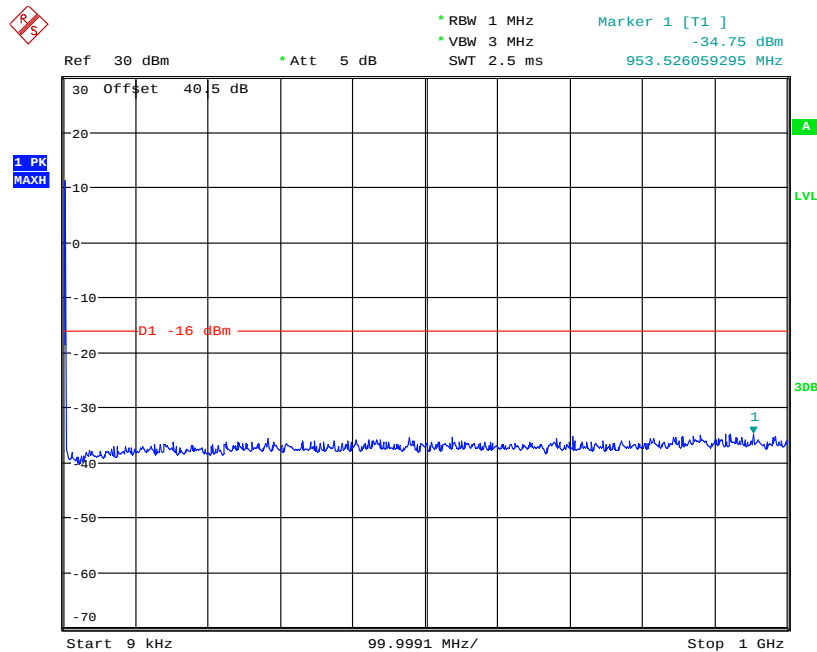
Date: 5.MAY.2014 11:00:36

Channel Position M_{RFBW} - GSM GMSK / WCDMA 16QAM - 4GHz – 20GHz



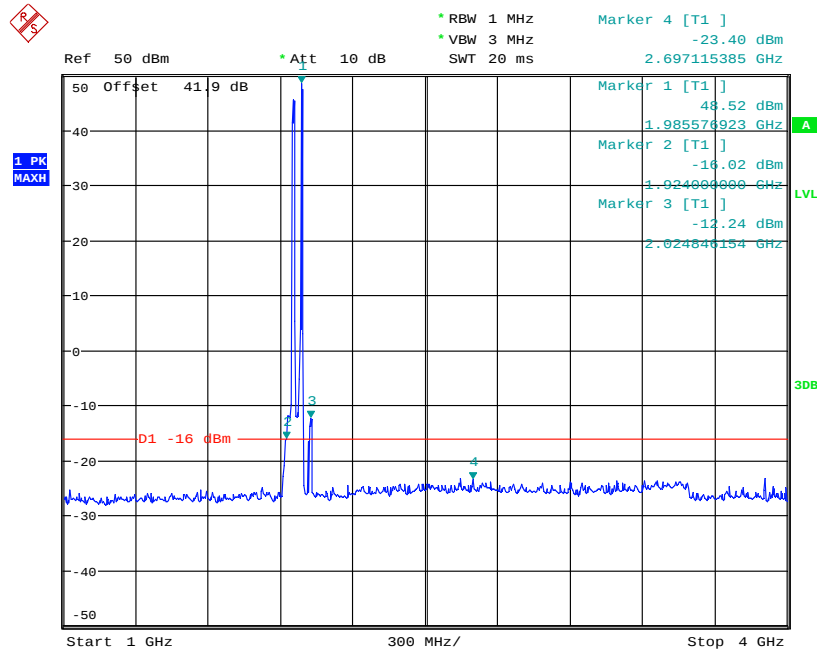
Date: 4.MAY.2014 09:50:00

Channel Position T_{RFBW} - GSM GMSK / WCDMA 16QAM - 9kHz – 1GHz



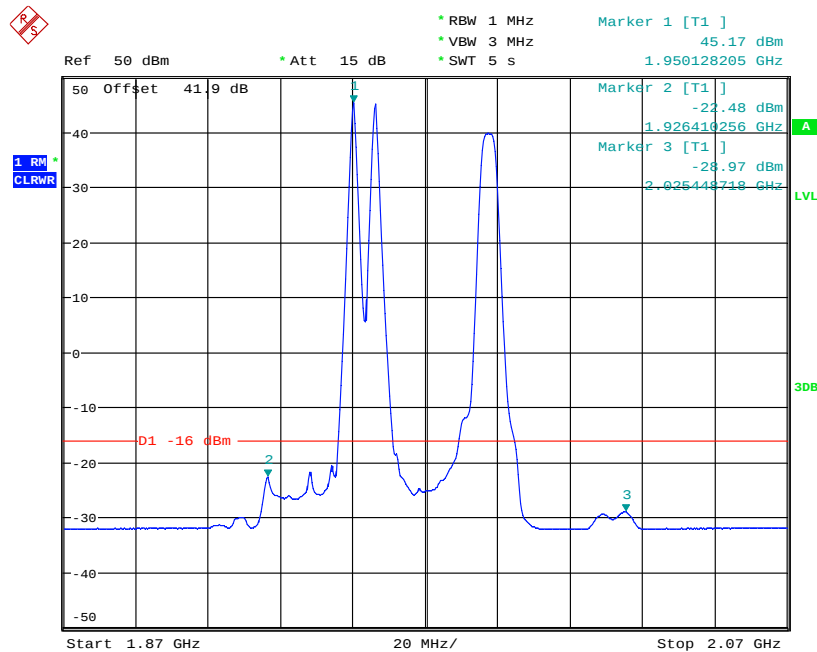
Date: 4.MAY.2014 10:26:47

Channel Position T_{RFBW} - GSM GMSK / WCDMA 16QAM - 1GHz – 4GHz



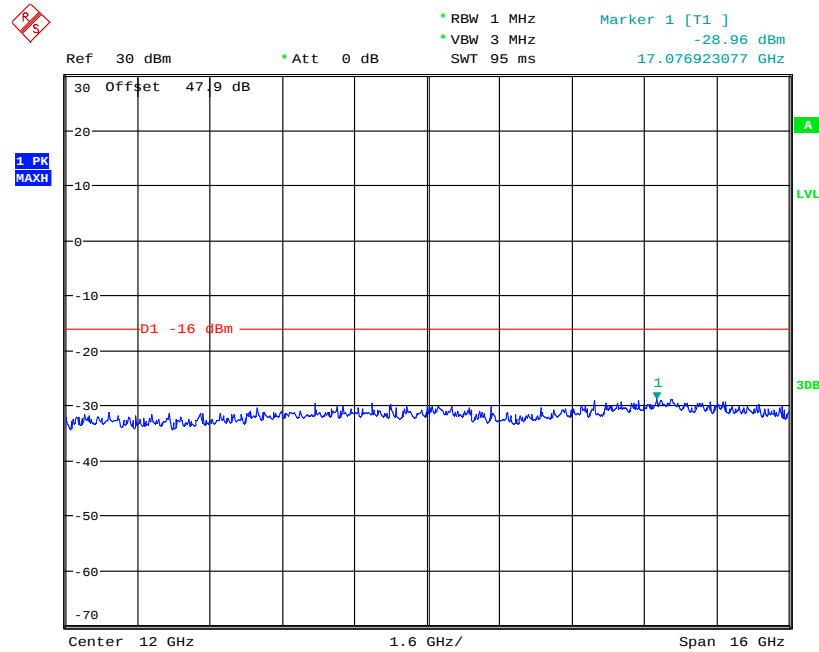
Date: 4.MAY.2014 10:21:26

Channel Position T_{RFBW} - GSM GMSK / WCDMA 16QAM - 1.87GHz – 2.07GHz



Date: 5.MAY.2014 11:03:02

Channel Position T_{RFBW} - GSM GMSK / WCDMA 16QAM - 4GHz – 20GHz



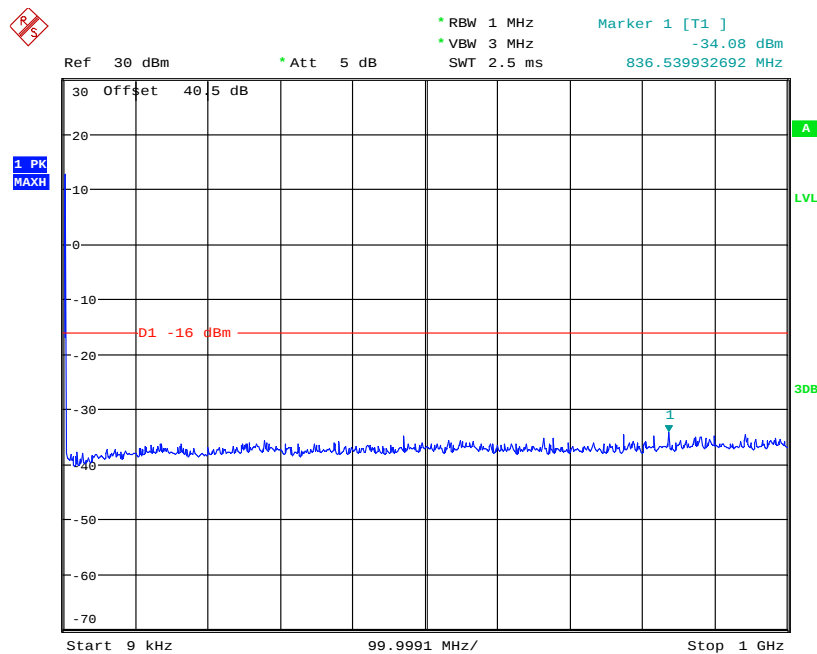
Date: 4.MAY.2014 10:19:19

Configuration G+L-MIMO-MC 1 (1G + 1L)

Maximum Output Power 45.6dBm per carrier

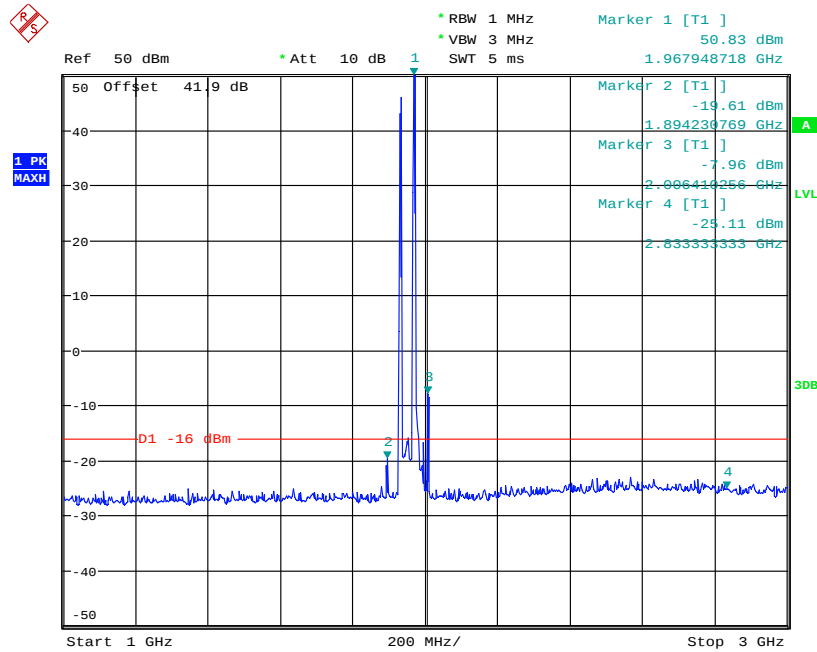
Channel Position	Channel Frequencies
Channel Position B_{RFBW}	Port A1: (G) 1930.4MHz + (L:3MHz)1968.5MHz Port A2: (G) 1931.0MHz + (L:3MHz)1968.5MHz
Channel Position M_{RFBW}	Port A1: (G) 1940.2MHz + (L:3MHz)1978.5MHz Port A2: (G) 1940.8MHz + (L:3MHz)1978.5MHz
Channel Position T_{RFBW}	Port A1: (G) 1950.2MHz + (L:3MHz)1988.5MHz Port A2: (G) 1950.8MHz + (L:3MHz)1988.5MHz

Channel Position B_{RFBW} - GSM GMSK / LTE QPSK - 9kHz – 1GHz



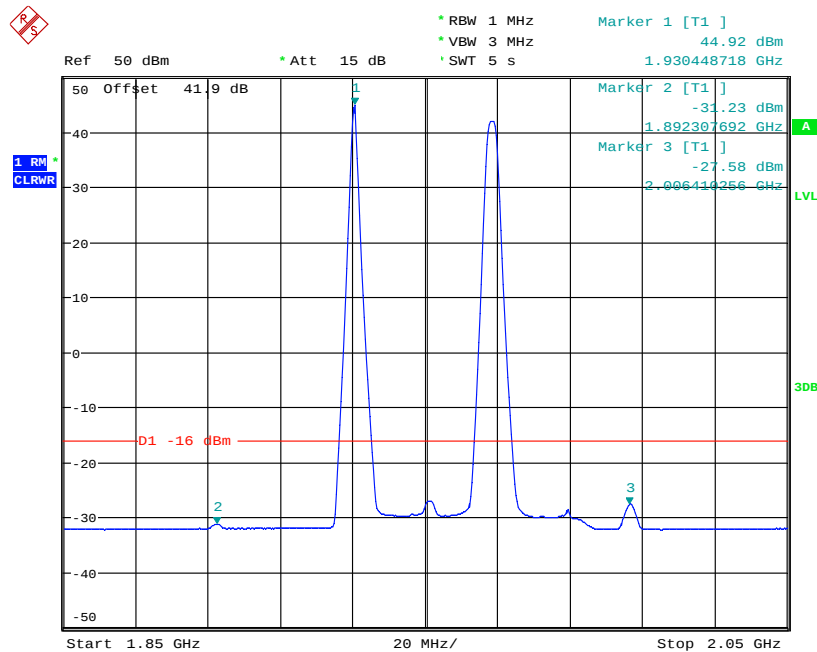
Date: 5.MAY.2014 07:36:31

Channel Position B_{RFBW} - GSM GMSK / LTE QPSK - 1GHz – 3GHz



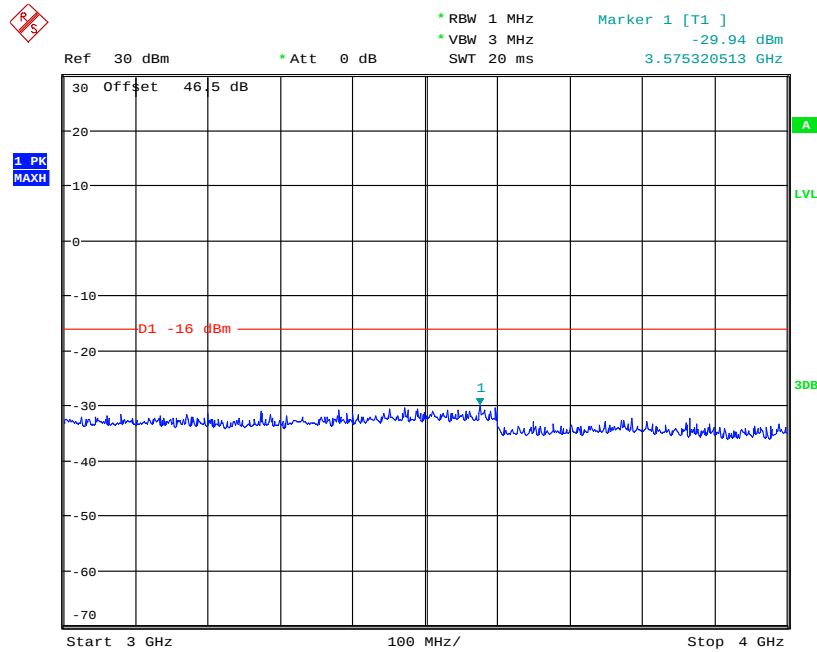
Date: 5.MAY.2014 07:22:06

Channel Position B_{RFBW} - GSM GMSK / LTE QPSK - 1.85GHz – 2.05GHz



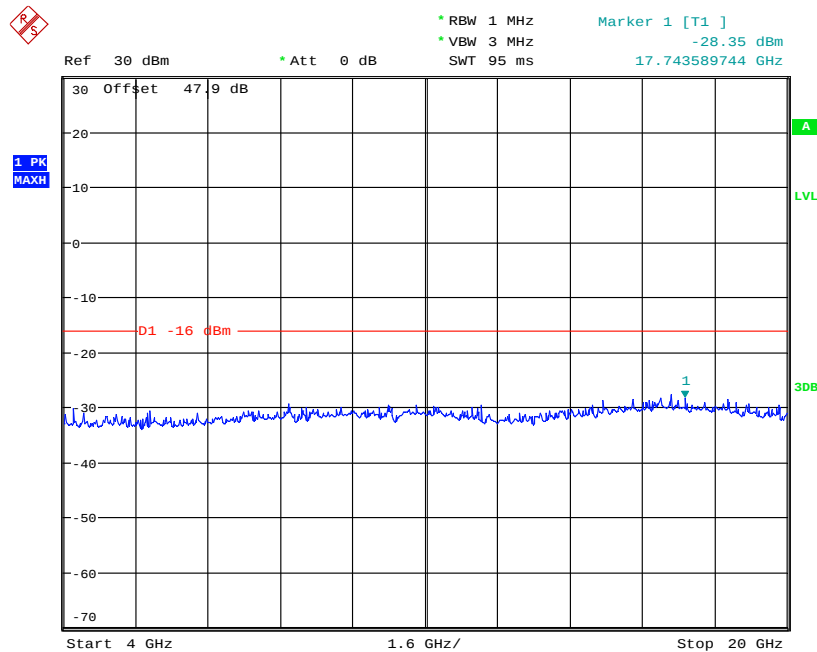
Date: 5.MAY.2014 07:23:02

Channel Position B_{RFBW} - GSM GMSK / LTE QPSK - 3GHz – 4GHz



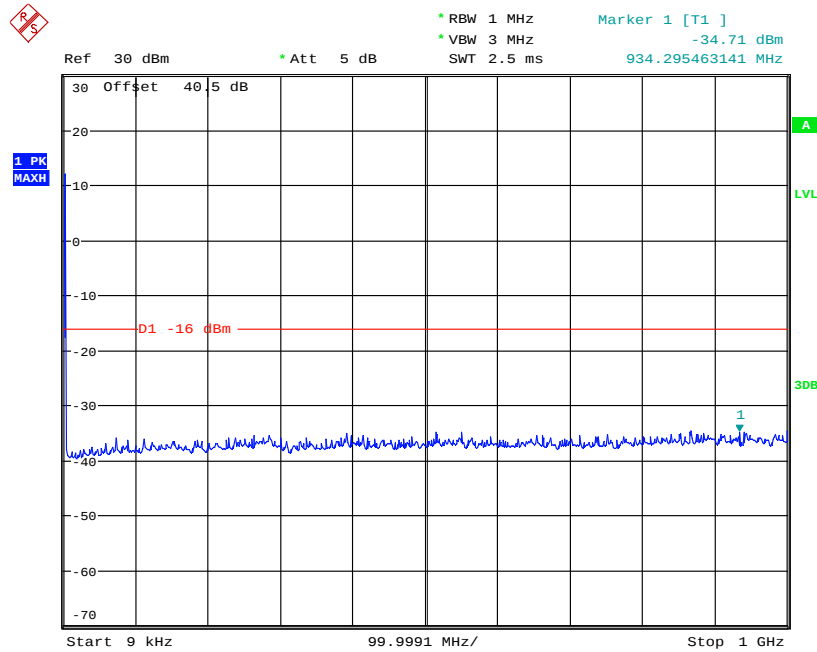
Date: 5.MAY.2014 07:33:36

Channel Position B_{RFBW} - GSM GMSK / LTE QPSK - 4GHz – 20GHz



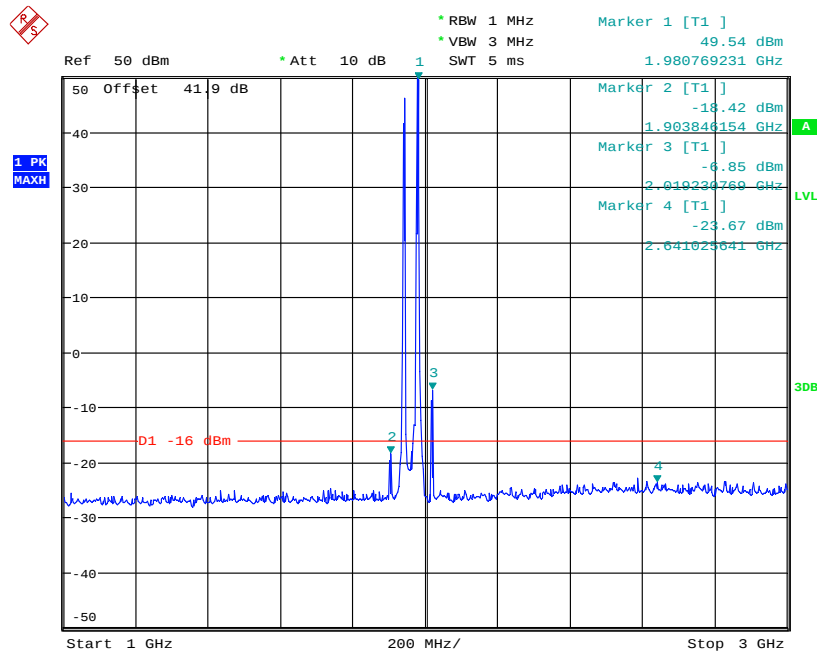
Date: 5.MAY.2014 07:20:44

Channel Position M_{RFBW} - GSM GMSK / LTE QPSK - 9kHz – 1GHz



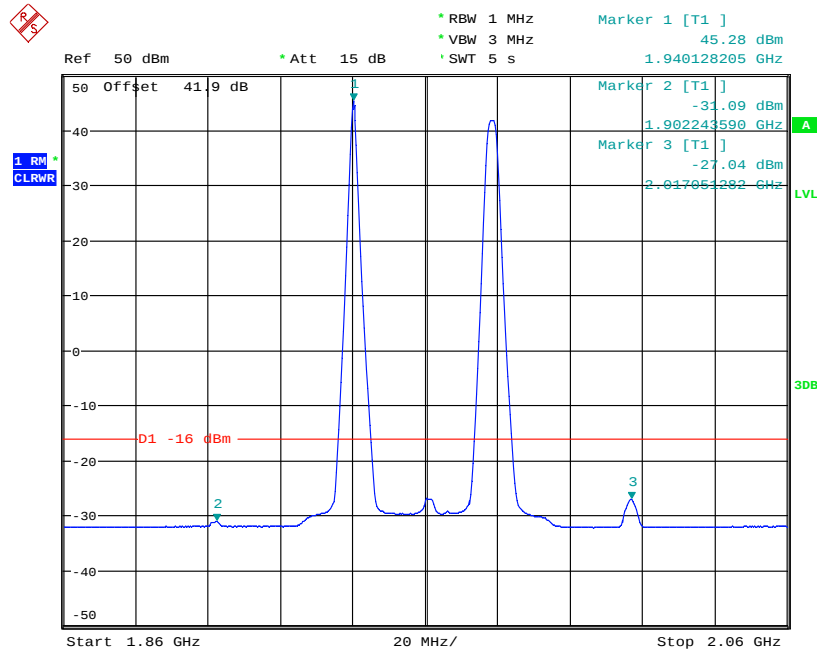
Date: 5.MAY.2014 05:42:32

Channel Position M_{RFBW} - GSM GMSK / LTE QPSK - 1GHz – 3GHz



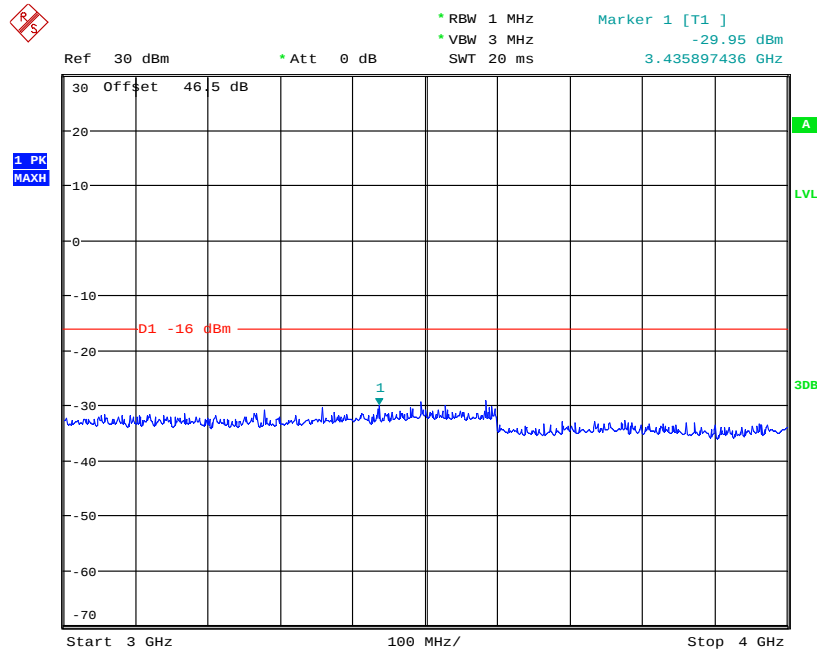
Date: 5.MAY.2014 04:59:13

Channel Position M_{RFBW} - GSM GMSK / LTE QPSK - 1.86GHz – 2.06GHz



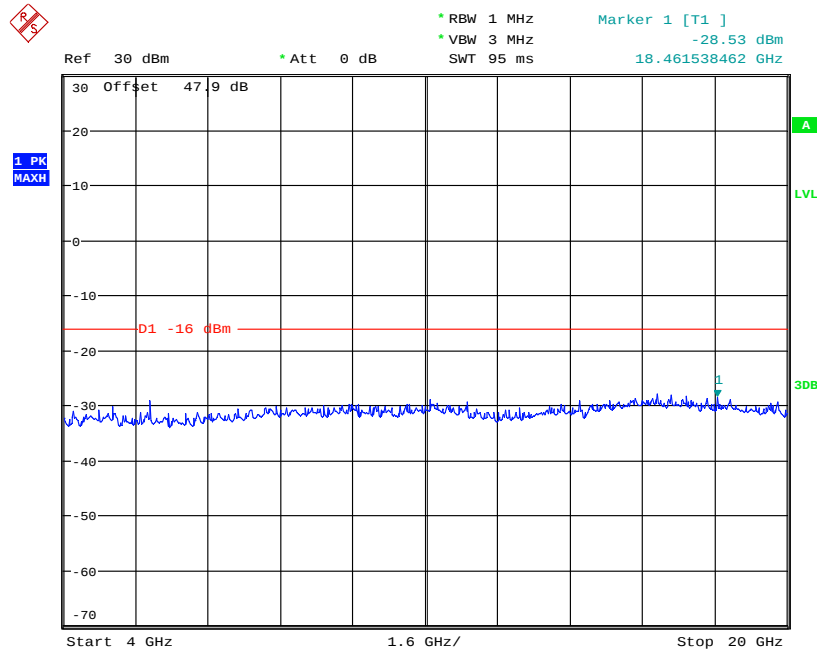
Date: 5.MAY.2014 05:02:12

Channel Position M_{RFBW} - GSM GMSK / LTE QPSK - 3GHz – 4GHz



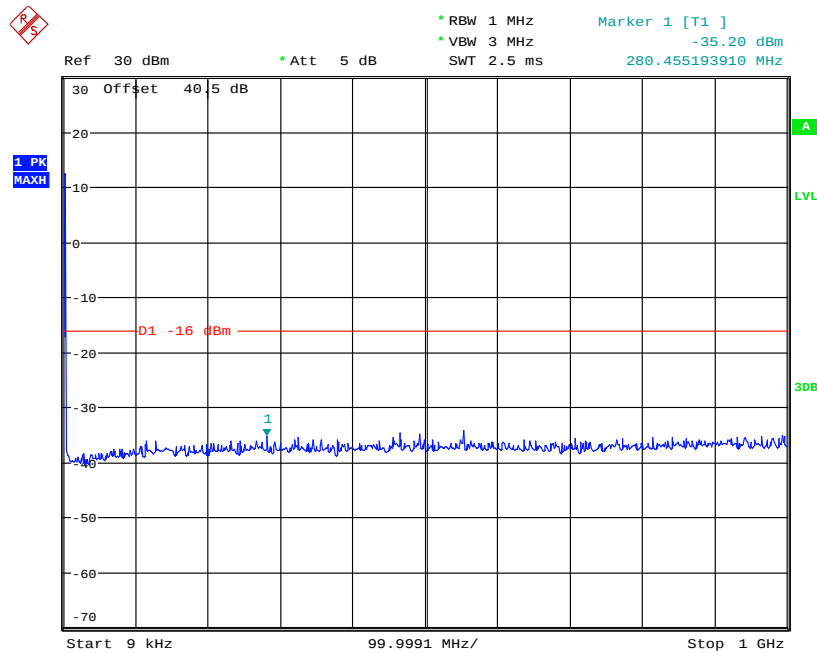
Date: 5.MAY.2014 05:39:23

Channel Position M_{RFBW} - GSM GMSK / LTE QPSK - 4GHz – 20GHz



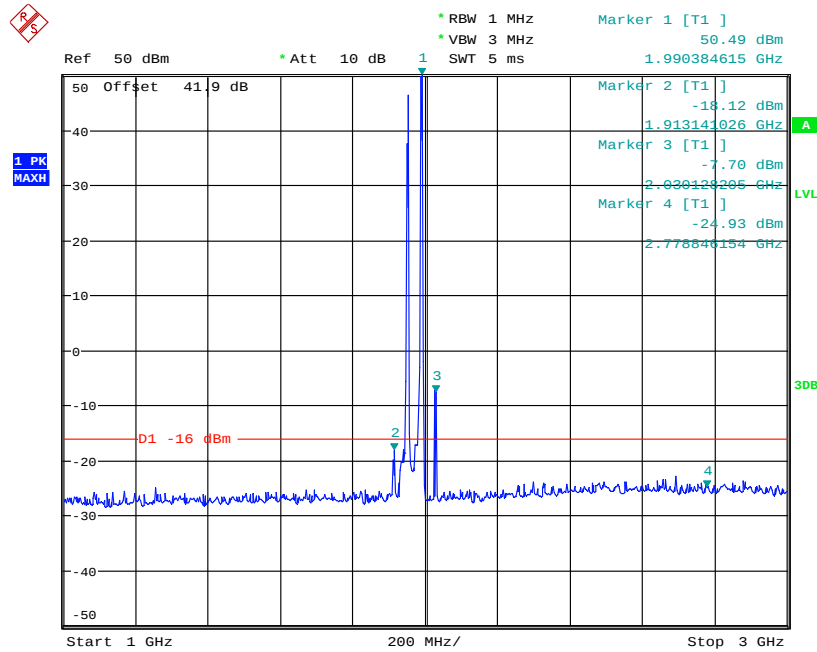
Date: 5.MAY.2014 05:04:51

Channel Position T_{RFBW} - GSM GMSK / LTE QPSK - 9kHz – 1GHz



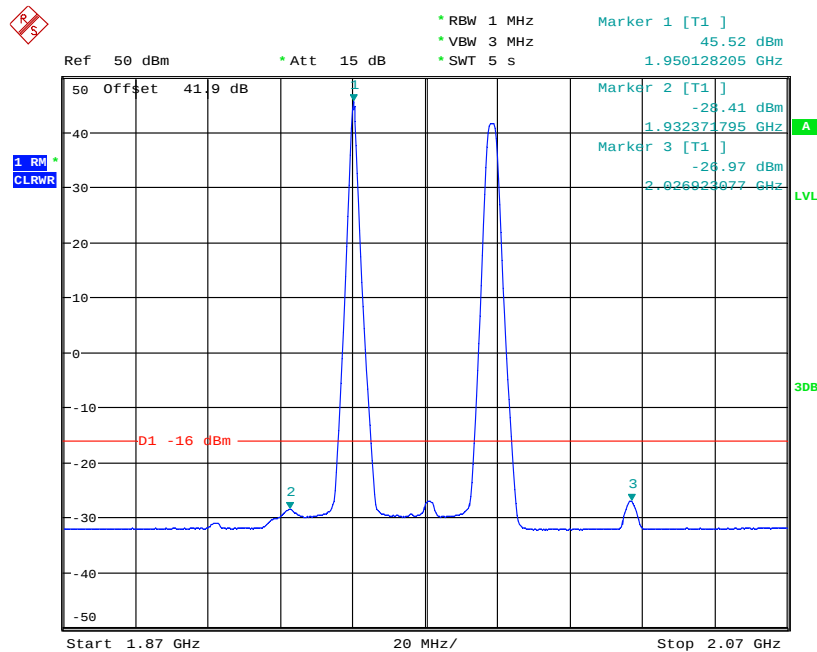
Date: 5.MAY.2014 07:37:51

Channel Position T_{RFBW} - GSM GMSK / LTE QPSK - 1GHz – 3GHz



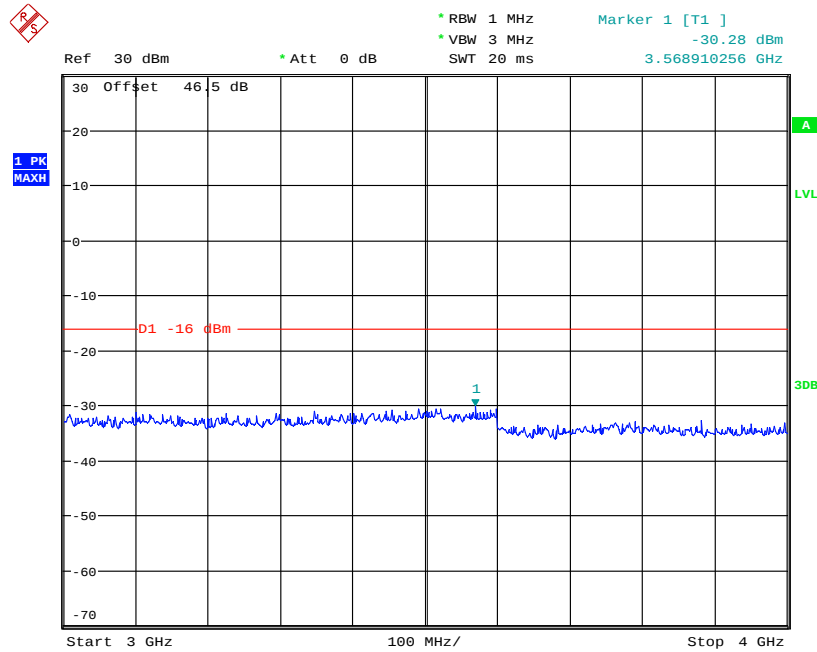
Date: 5.MAY.2014 07:28:07

Channel Position T_{RFBW} - GSM GMSK / LTE QPSK - 1.87GHz – 2.07GHz



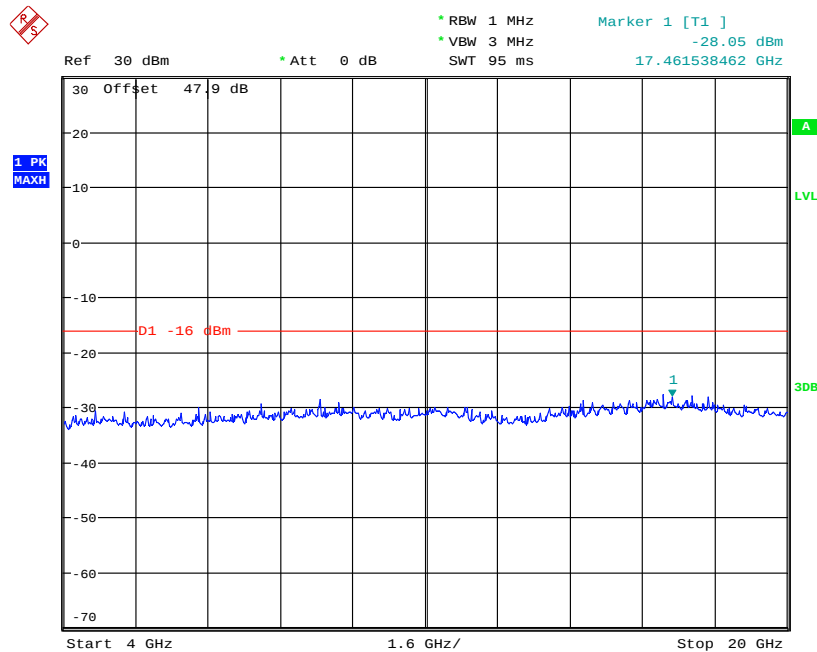
Date: 5.MAY.2014 07:27:05

Channel Position T_{RFBW} - GSM GMSK / LTE QPSK - 3GHz – 4GHz



Date: 5.MAY.2014 07:32:15

Channel Position T_{RFBW} - GSM GMSK / LTE QPSK - 4GHz – 20GHz



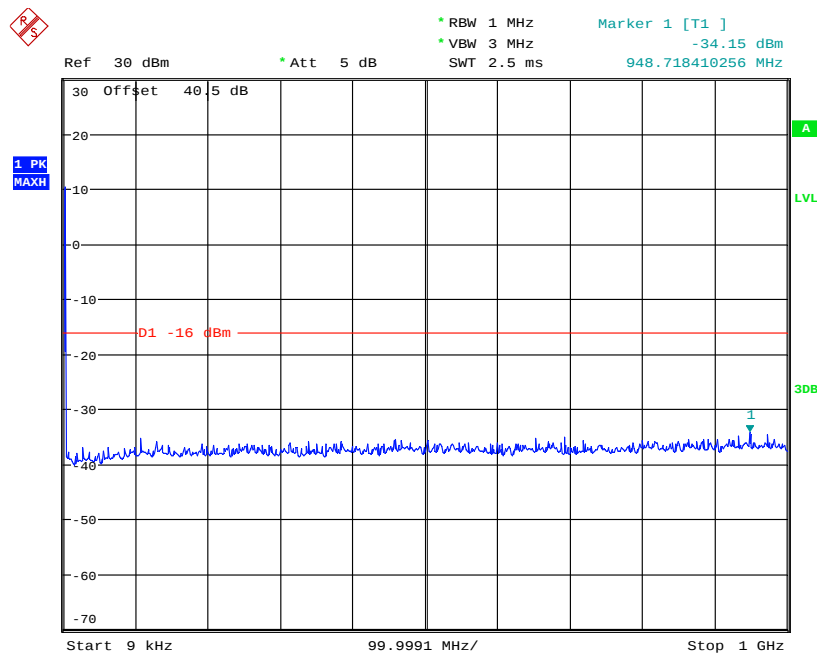
Date: 5.MAY.2014 07:28:47

Configuration W+L-MIMO-MC 1 (1W + 1L)

Maximum Output Power 45.7dBm per carrier

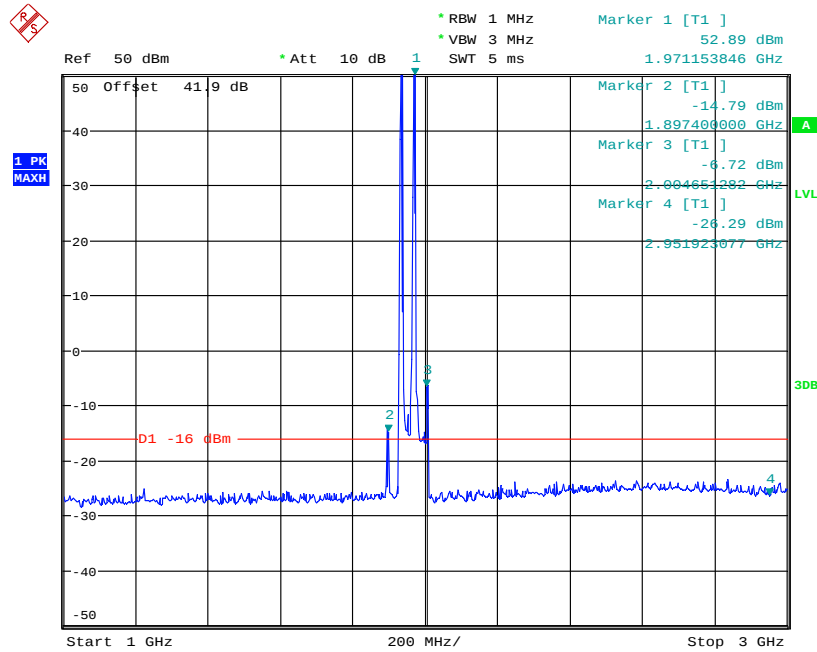
Channel Position	Channel Frequencies
Channel Position B_{RFBW}	Port A1: (W) 1932.4MHz + (L:3MHz)1968.5MHz
Channel Position M_{RFBW}	Port A1: (W) 1942.4MHz + (L:3MHz)1978.5MHz
Channel Position T_{RFBW}	Port A1: (W) 1952.4MHz + (L:3MHz)1988.5MHz

Channel Position B_{RFBW} - WCDMA 16QAM / LTE QPSK - 9kHz – 1GHz



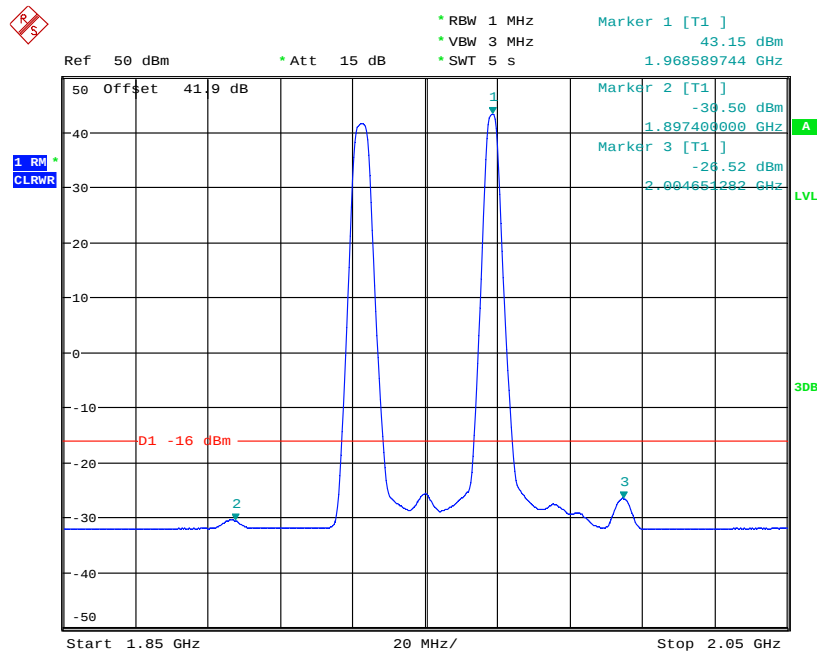
Date: 5.MAY.2014 10:04:37

Channel Position B_{RFBW} - WCDMA 16QAM / LTE QPSK - 1GHz – 3GHz



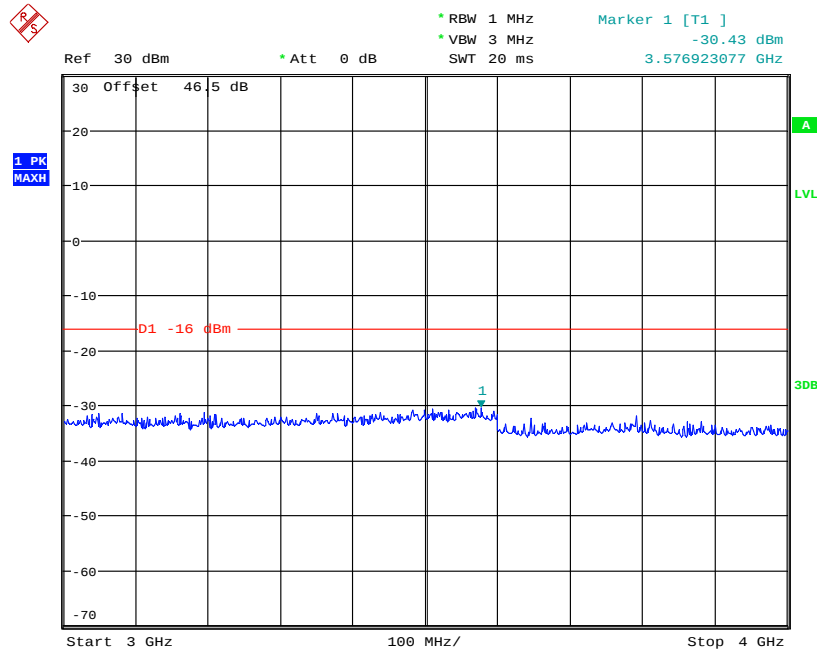
Date: 5.MAY.2014 09:39:24

Channel Position B_{RFBW} - WCDMA 16QAM / LTE QPSK - 1.85GHz – 2.05GHz



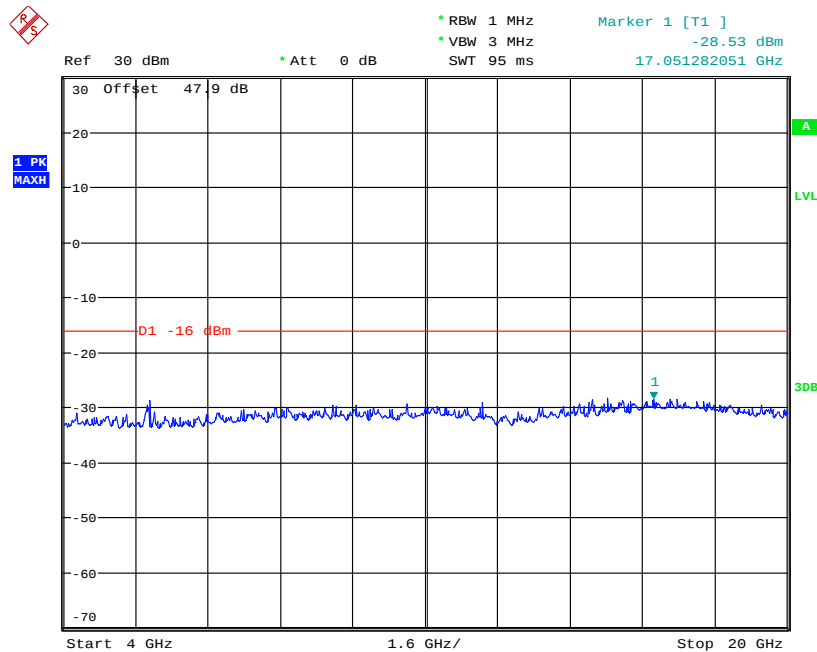
Date: 5.MAY.2014 09:38:21

Channel Position B_{RFBW} - WCDMA 16QAM / LTE QPSK - 3GHz – 4GHz



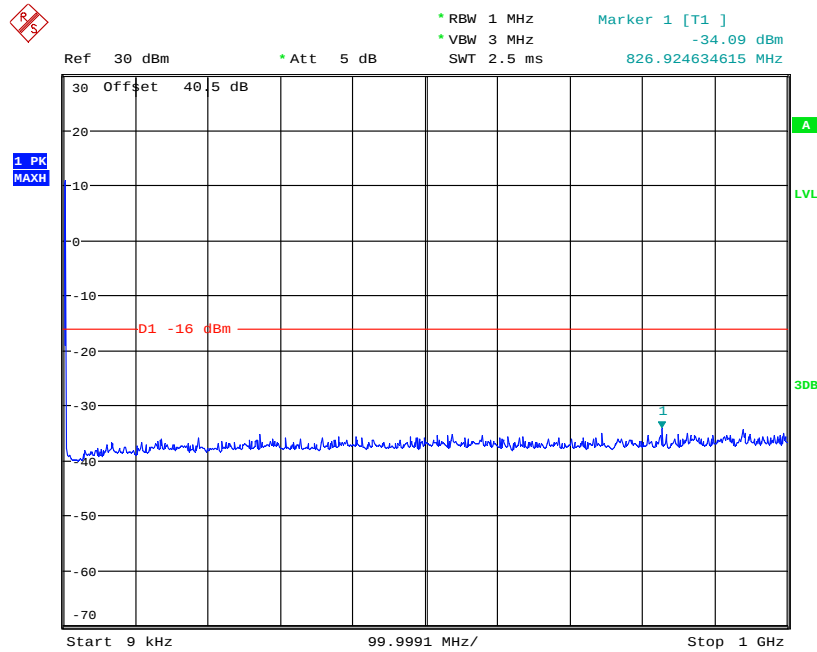
Date: 5.MAY.2014 09:57:47

Channel Position B_{RFBW} - WCDMA 16QAM / LTE QPSK - 4GHz – 20GHz



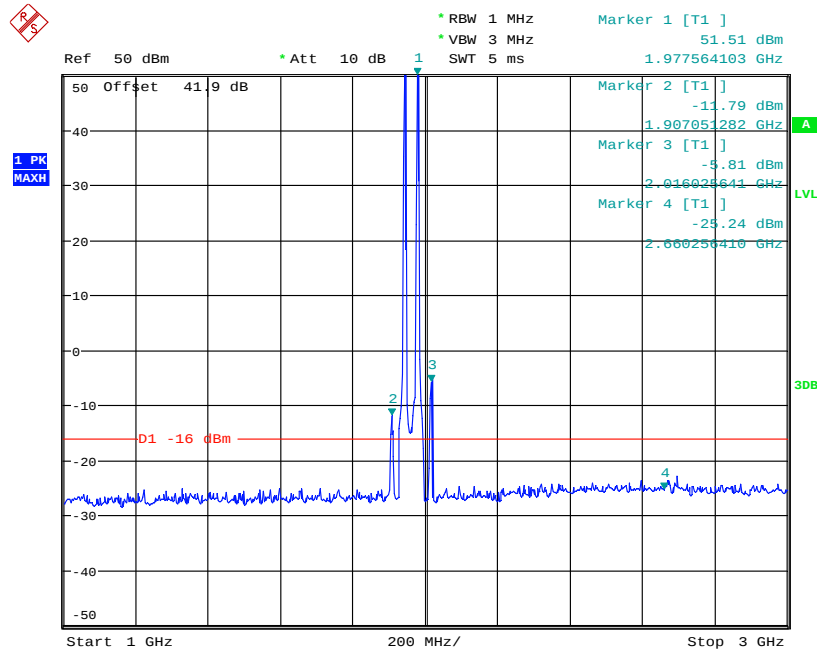
Date: 5.MAY.2014 09:40:30

Channel Position M_{RFBW} - WCDMA 16QAM / LTE QPSK - 9kHz – 1GHz



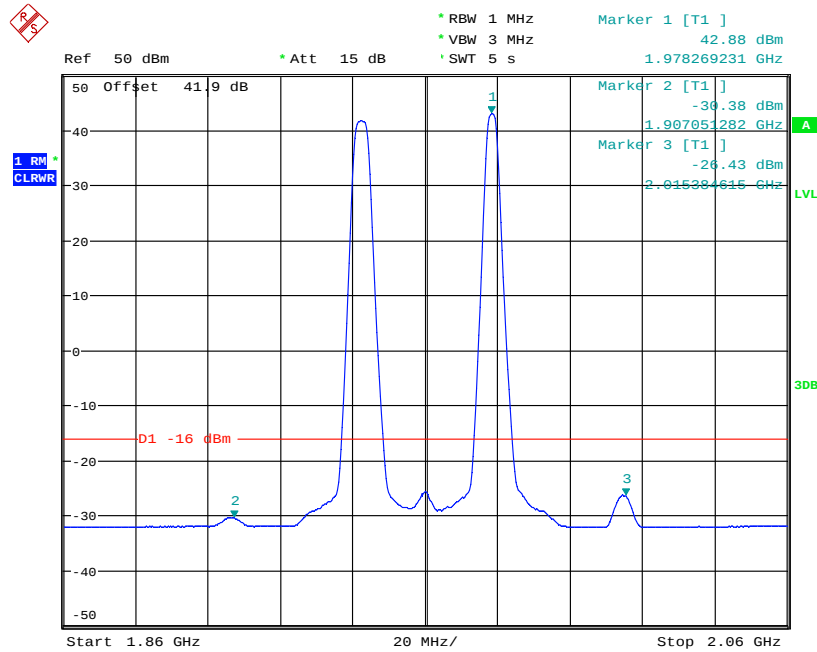
Date: 5.MAY.2014 10:03:22

Channel Position M_{RFBW} - WCDMA 16QAM / LTE QPSK - 1GHz – 3GHz



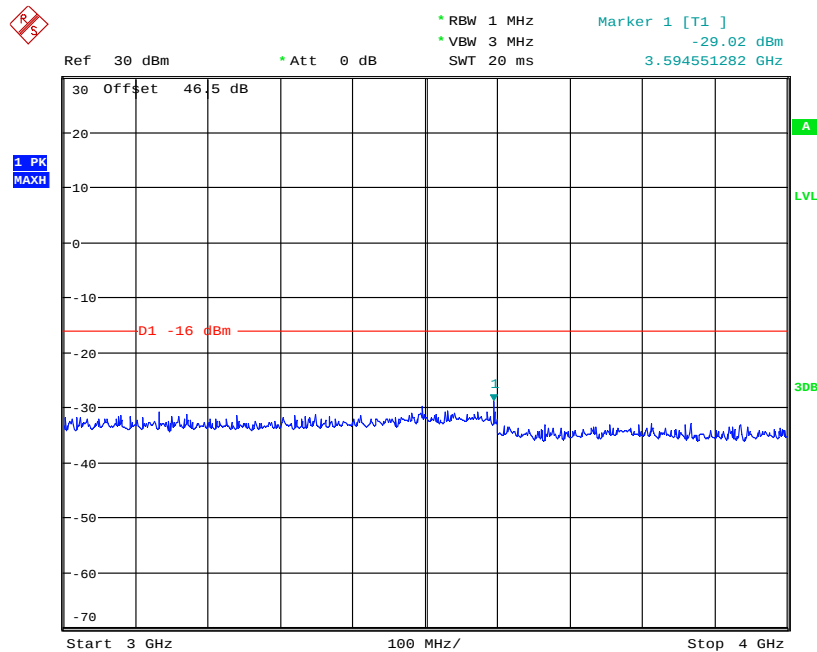
Date: 5.MAY.2014 09:14:26

Channel Position M_{RFBW} - WCDMA 16QAM / LTE QPSK - 1.86GHz – 2.06GHz



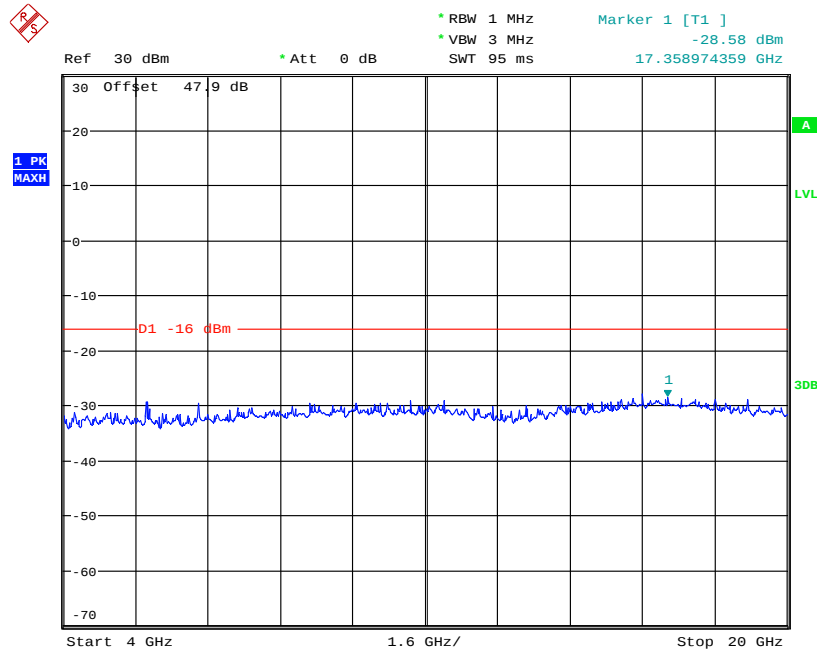
Date: 5.MAY.2014 09:15:53

Channel Position M_{RFBW} - WCDMA 16QAM / LTE QPSK - 3GHz – 4GHz



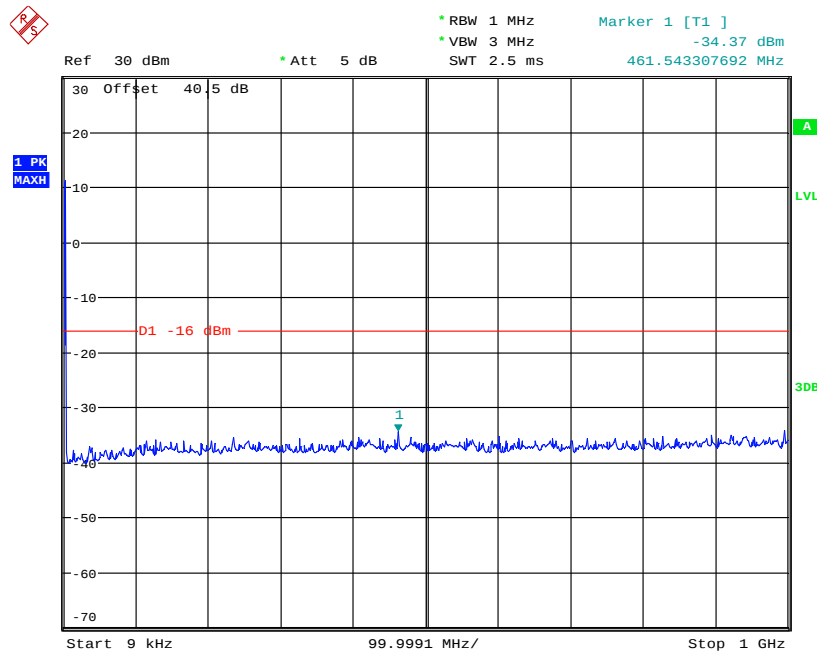
Date: 5.MAY.2014 09:59:08

Channel Position M_{RFBW} - WCDMA 16QAM / LTE QPSK - 4GHz – 20GHz



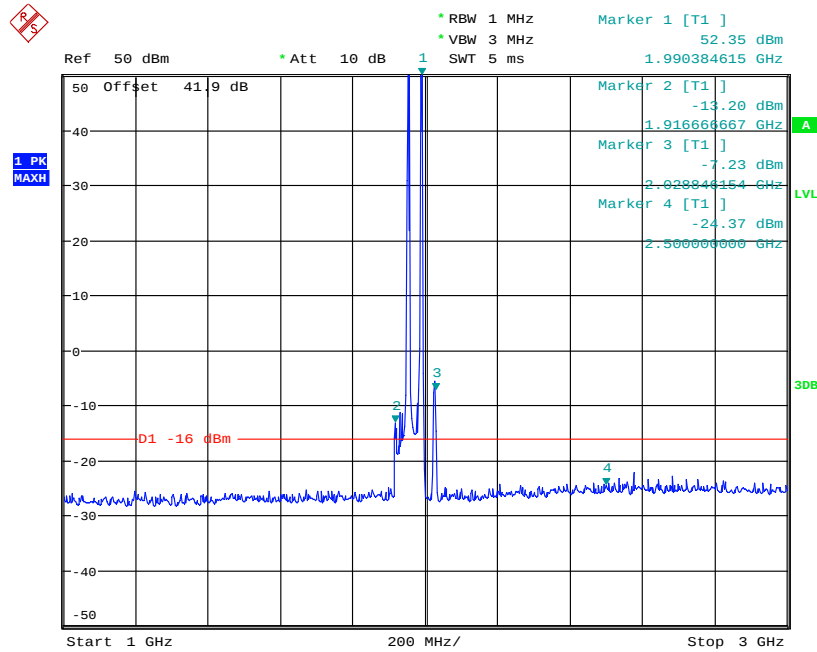
Date: 5.MAY.2014 09:17:36

Channel Position T_{RFBW} - WCDMA 16QAM / LTE QPSK - 9kHz – 1GHz



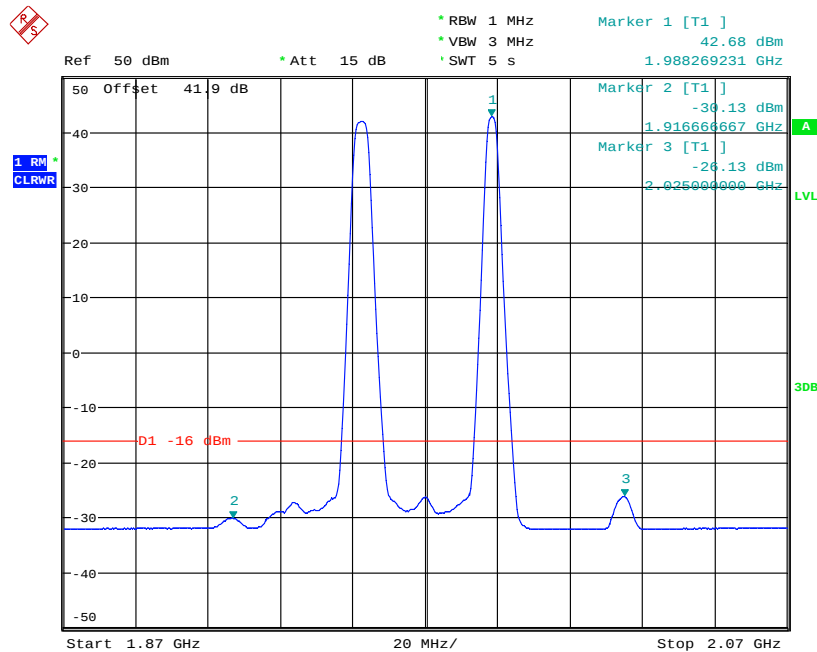
Date: 5.MAY.2014 10:00:46

Channel Position T_{RFBW} - WCDMA 16QAM / LTE QPSK - 1GHz – 3GHz



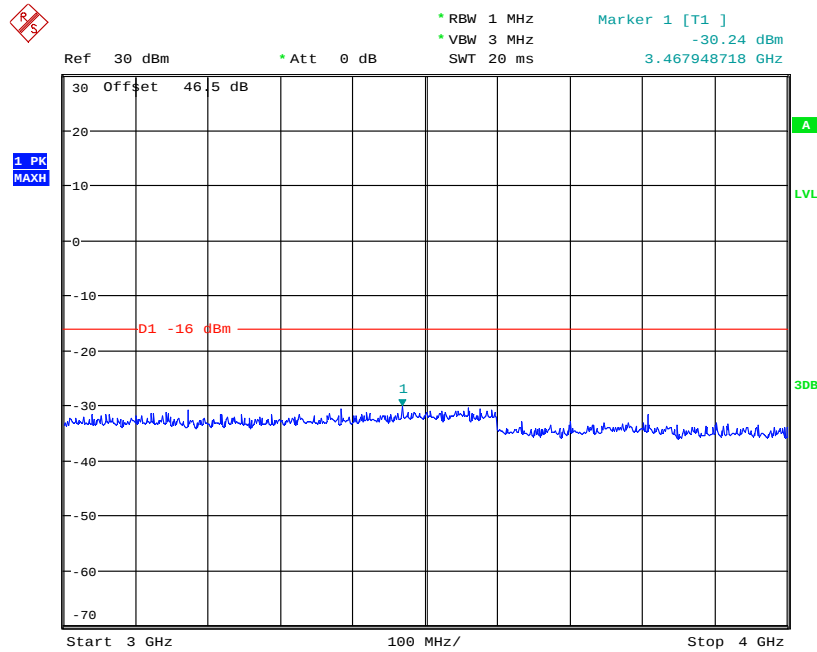
Date: 5.MAY.2014 09:43:19

Channel Position T_{RFBW} - WCDMA 16QAM / LTE QPSK - 1.87GHz – 2.07GHz



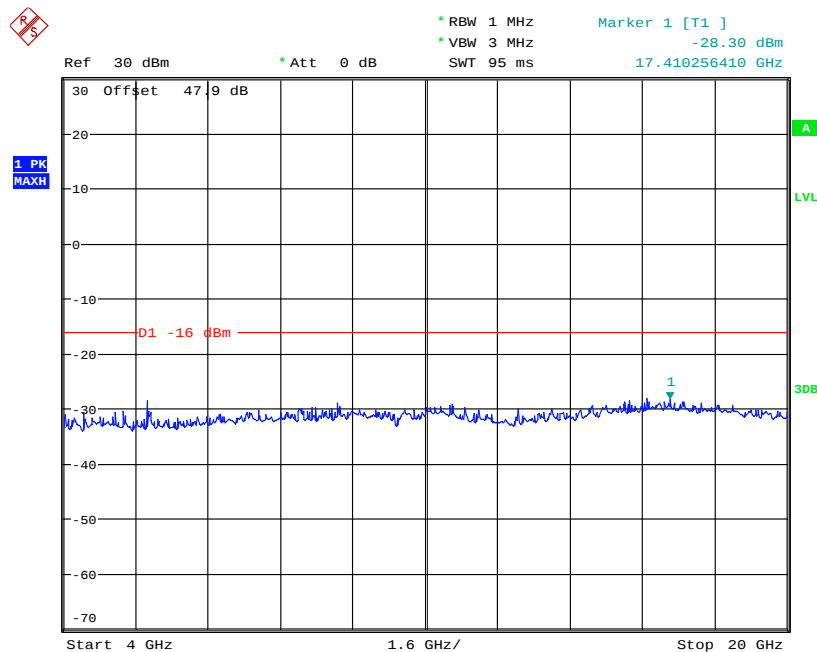
Date: 5.MAY.2014 09:44:21

Channel Position T_{RFBW} - WCDMA 16QAM / LTE QPSK - 3GHz – 4GHz



Date: 5.MAY.2014 10:00:14

Channel Position T_{RFBW} - WCDMA 16QAM / LTE QPSK - 4GHz – 20GHz



Date: 5.MAY.2014 09:42:18

Limit	-13dBm
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SECTION 3

3 TEST EQUIPMENT USED

3.1 TEST EQUIPMENT USED

List of absolute measuring and other principal items of test equipment.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Due
Maximum Peak Output Power and Peak to Average Ratio - Conducted					
Network Analyzer	Agilent	8720D	US36140166	12	26-Sep-2014
Power Meter	Rohde & Schwarz	NRP	102310	12	04-Aug-2014
Power Sensor	Rohde & Schwarz	NRP-Z51	102309	12	04-Aug-2014
Power Sensor	Rohde & Schwarz	NRP-Z51	102433	12	04-Aug-2014
Spectrum Analyser	Rohde & Schwarz	FSQ26	100244	12	14-Apr-2015
Spectrum Analyser	Rohde & Schwarz	FSQ26	101202	12	23-Apr-2015
Spectrum Analyser	Agilent	N9020A	MY49100419	24	18-Apr-2016
40dB Attenuator	Aeroflex / Weinschel	48-40-43-LIM	BR5020	-	O/P MON
40dB Attenuator	Aeroflex / Weinschel	66-40-43	CE6211	-	O/P MON
Load	Shanghai Huaxiang	TFE100	09121647	-	O/P MON
Load	Shanghai Huaxiang	TFZ10-3R	20100908079	-	O/P MON
Power Supply	Dahua	DH1716A-10	1000303181	-	O/P MON
Digital Multimeter	FLUKE	179	91820401	12	24-Dec-2014
Thermo-hygrometer	AZ Instruments	8705	9151665	12	12-Dec-2014
Occupied Bandwidth - Conducted					
Network Analyzer	Agilent	8720D	US36140166	12	26-Sep-2014
Spectrum Analyser	Agilent	N9020A	MY49100419	24	18-Apr-2016
40dB Attenuator	Aeroflex / Weinschel	48-40-43-LIM	BR5020	-	O/P MON
Load	Shanghai Huaxiang	TFE100	09121647	-	O/P MON
Power Supply	Dahua	DH1716A-10	1000303181	-	O/P MON
Digital Multimeter	FLUKE	179	91820401	12	24-Dec-2014
Thermo-hygrometer	AZ Instruments	8705	9151665	12	12-Dec-2014
Band Edge - Conducted					
Network Analyzer	Agilent	8720D	US36140166	12	26-Sep-2014
Spectrum Analyser	Rohde & Schwarz	FSQ26	100244	12	14-Apr-2015
Spectrum Analyser	Rohde & Schwarz	FSQ26	101202	12	23-Apr-2015
40dB Attenuator	Aeroflex / Weinschel	66-40-43	CE6211	-	O/P MON
Load	Shanghai Huaxiang	TFE100	09121647	-	O/P MON
Load	Shanghai Huaxiang	TFZ10-3R	20100908079	-	O/P MON
Power Supply	Dahua	DH1716A-10	1000303181	-	O/P MON
Digital Multimeter	FLUKE	179	91820401	12	24-Dec-2014
Thermo-hygrometer	AZ Instruments	8705	9151665	12	12-Dec-2014
Conducted Spurious Emission - Conducted					
Network Analyzer	Agilent	8720D	US36140166	12	26-Sep-2014
Spectrum Analyser	Rohde & Schwarz	FSQ26	100244	12	14-Apr-2015
Spectrum Analyser	Rohde & Schwarz	FSQ26	101202	12	23-Apr-2015
Pass filter	K&L	ULK 904 098 /2	16	-	O/P MON
Pass filter	K&L	ULK 904 193	--	-	O/P MON
40dB Attenuator	Aeroflex / Weinschel	66-40-43	CE6211	-	O/P MON
Load	Shanghai Huaxiang	TFE100	09121647	-	O/P MON
Load	Shanghai Huaxiang	TFZ10-3R	20100908079	-	O/P MON
Power Supply	Dahua	DH1716A-10	1000303181	-	O/P MON
Digital Multimeter	FLUKE	179	91820401	12	24-Dec-2014
Thermo-hygrometer	AZ Instruments	8705	9151665	12	12-Dec-2014

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Due
Radiated Spurious Emissions					
Load	Shanghai Huaxiang	TFE100	09032343	-	O/P MON
Load	Shanghai Huaxiang	TFE100	09121647	-	O/P MON
Load	Shanghai Huaxiang	TFE100	09121614	-	O/P MON
Load	Shanghai Huaxiang	TFZ10-3R	20100908079	-	O/P MON
EMI Receiver	Rohde & Schwarz	ESI 40	100015	12	19-Aug-2014
Ultra log test antenna	Rohde & Schwarz	HL562	100167	12	19-Aug-2014
Double-Ridged Waveguide Horn Antenna	Rohde & Schwarz	HF 906	100029	12	19-Aug-2014
Pyramidal Horn Antenna	EMCO	3160-09	-	-	-
Antenna master	Frankonia	MA 260	-	12	19-Aug-2014
Relay Switch Unit	Rohde & Schwarz	331.1601.31	338965002	-	TU
Semi Anechoic Chamber	Frankonia	23.18m×16.88m×9.60m	-	12	19-Aug-2014
Power Supply	Dahua	DH1716A-10	1000303181	-	O/P MON
Digital Multimeter	FLUKE	179	91820401	12	24-Dec-2014
Thermo-hygrometer	AZ Instruments	8705	9151665	12	12-Dec-2014

N/A – Not Applicable

OP MON – Output Monitored with Calibrated Equipment

3.2 MEASUREMENT UNCERTAINTY

For a 95% confidence level, the measurement uncertainties for defined systems are:-

Test Discipline	Frequency / Parameter	MU
Conducted Maximum Peak Output Power	30MHz to 10GHz Amplitude	0.5dB*
Conducted Emissions	30MHz to 40GHz Amplitude	3.0dB*
Radiated Emissions, Bilog Antenna, AOATS	30MHz to 1GHz Amplitude	5.1dB*
Radiated Emissions, Horn Antenna, AOATS	1GHz to 40GHz Amplitude	6.3dB*
Worst case error for both Time and Frequency measurement 12 parts in 10 ⁶		

* In accordance with CISPR 16-4



SECTION 5

4 ACCREDITATION, DISCLAIMERS AND COPYRIGHT

4.1 ACCREDITATION, DISCLAIMERS AND COPYRIGHT



This report relates only to the actual item/items tested.

Our UKAS Accreditation does not cover opinions and interpretations and any expressed are outside the scope of our UKAS Accreditation.

Results of tests not covered by our UKAS Accreditation Schedule are marked NUA (Not UKAS Accredited).

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