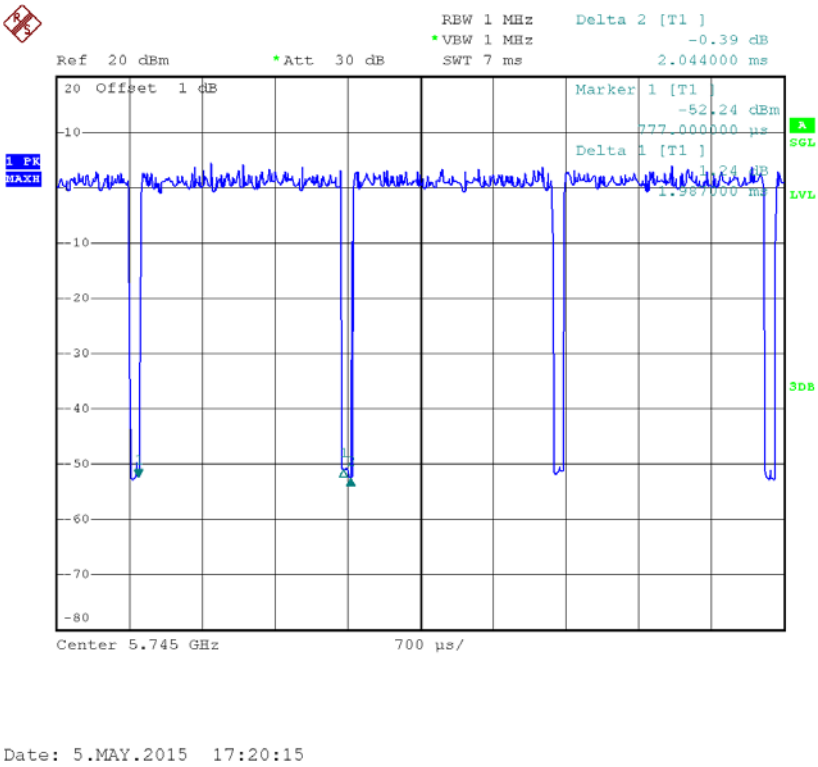
TX AC20 Mode_DUTY CYCLE



Duty cycle: TX DUTYMHz

Duty cycle = T_{ON} /T_{Total}

T_{ON}:1.99msec

T_{Total}:2.04msec

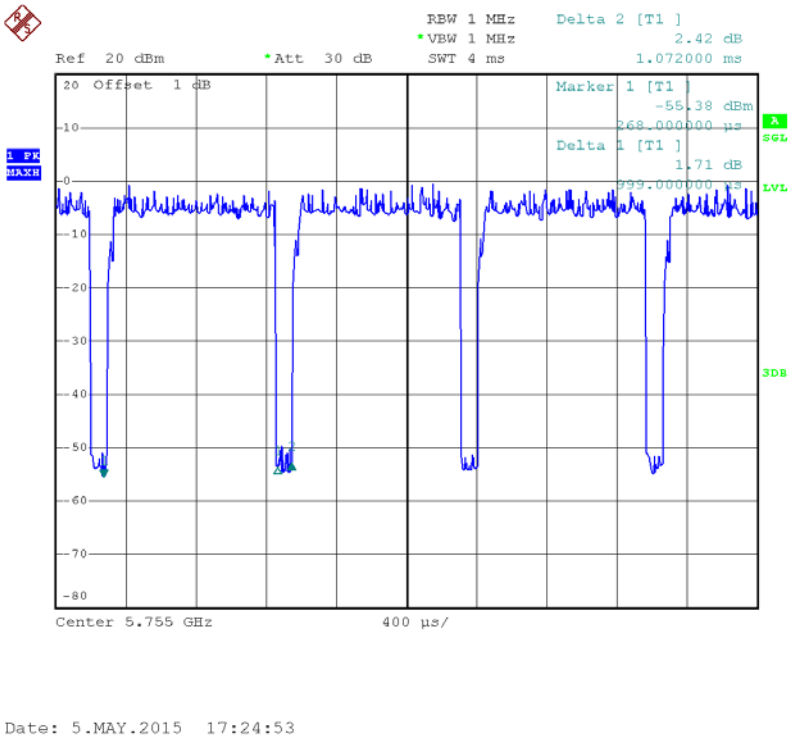
Duty cycle: 97.55%

Duty Factor= 10 log(1/Duty cycle)

Duty Factor =0.11

Note: The EUT was programmed to be in countinously transmitting mode and the transmit duty cycle is not less than 98 %, so, the output power and power density should be cacluated as Output Power = Measured power + Ducy factor
Power Spectral Density = Measured density + Duty factor

TX AC40 Mode_DUTY CYCLE



Duty cycle: TX DUTYMHz

Duty cycle = T_{ON} /T_{Total}

T_{ON}:1.00msec

T_{Total}:1.07msec

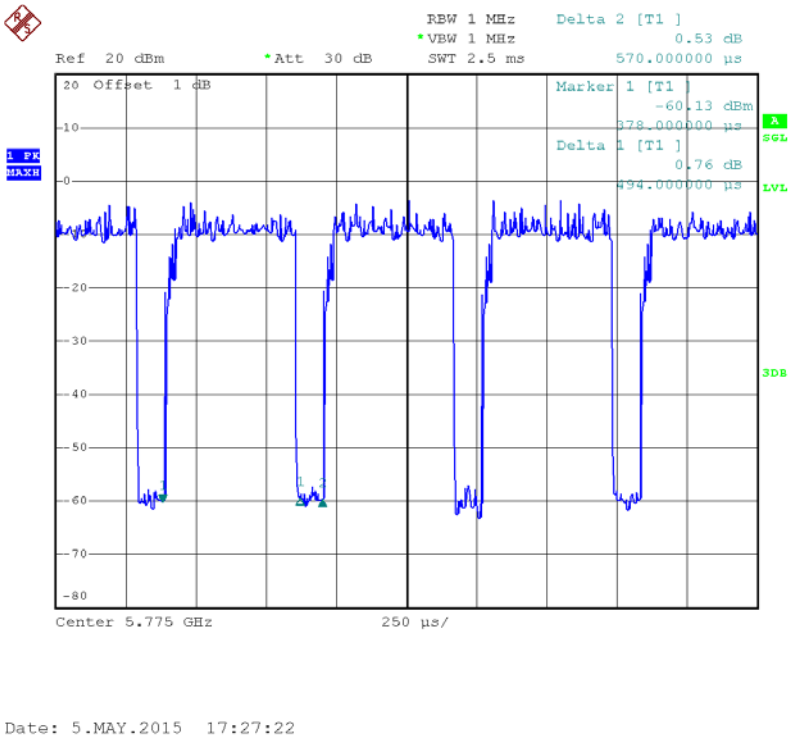
Duty cycle: 93.46%

Duty Factor= 10 log(1/Duty cycle)

Duty Factor =0.29

Note: The EUT was programmed to be in countinously transmitting mode and the transmit duty cycle is not less than 98 %, so, the output power and power density should be cacluated as Output Power = Measured power + Ducy factor
Power Spectral Density = Measured density + Duty factor

TX AC80 Mode_DUTY CYCLE



Duty cycle: TX DUTYMHz

Duty cycle = T_{ON} /T_{Total}

T_{ON}:0.49msec

T_{Total}:0.57msec

Duty cycle: 85.96%

Duty Factor= 10 log(1/Duty cycle)

Duty Factor =0.66

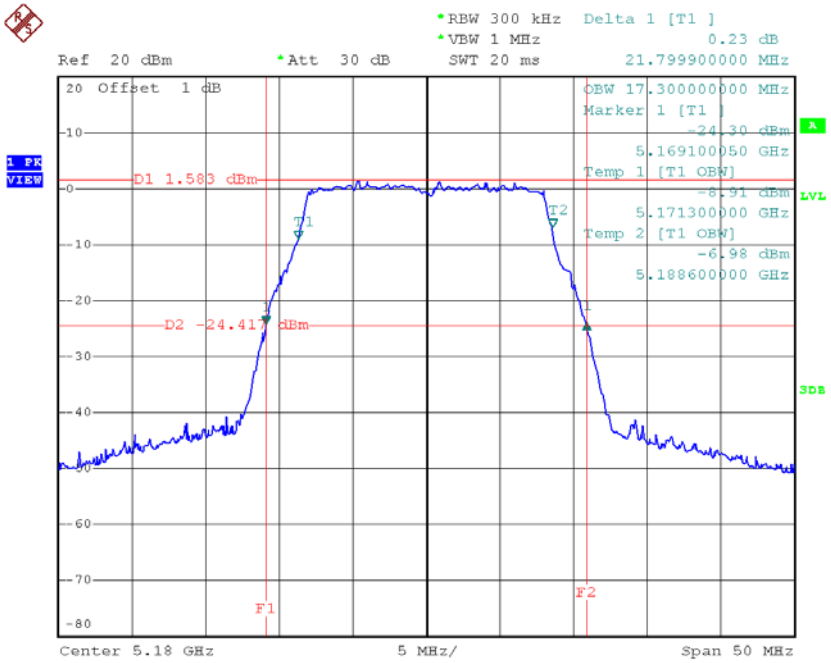
Note: The EUT was programmed to be in countinously transmitting mode and the transmit duty cycle is not less than 98 %, so, the output power and power density should be cacluated as Output Power = Measured power + Ducy factor
Power Spectral Density = Measured density + Duty factor

ATTACHMENTE -BANDWIDTH

Test Mode: UNII-1/TX A Mode_CH36/CH40/CH48

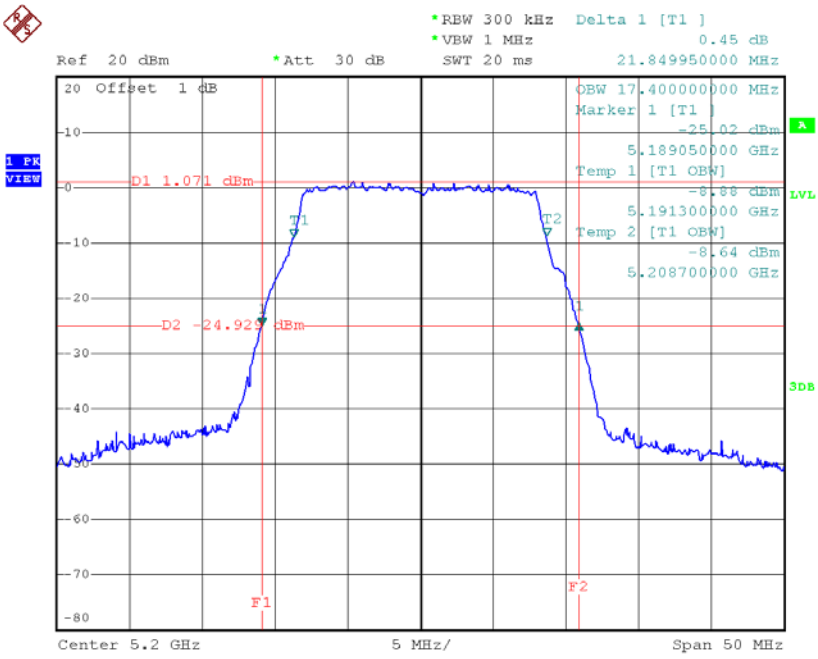
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH36	5180	21.80	17.30
CH40	5200	21.85	17.40
CH48	5240	21.75	17.30

TX CH36



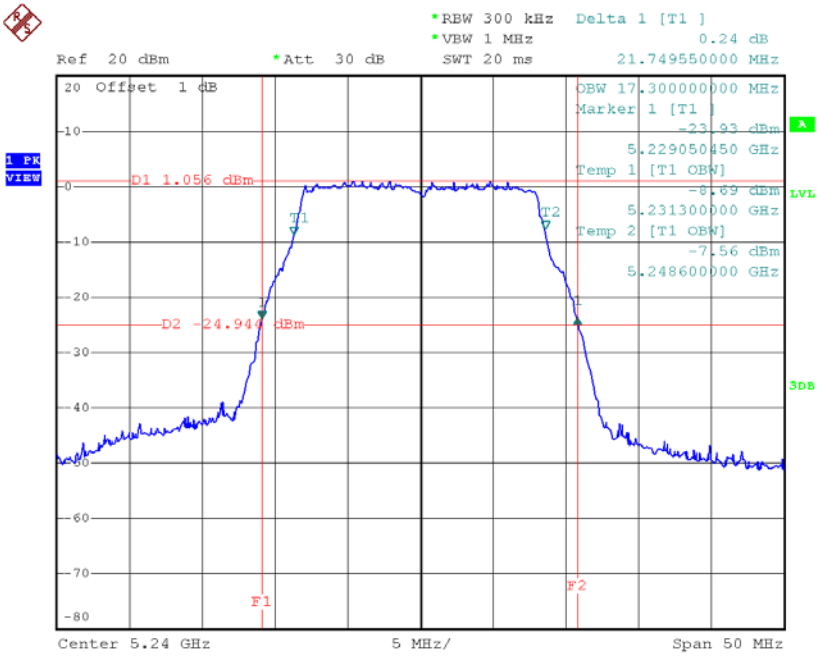
Date: 5.MAY.2015 15:58:31

TX CH40



Date: 5.MAY.2015 16:01:03

TX CH48

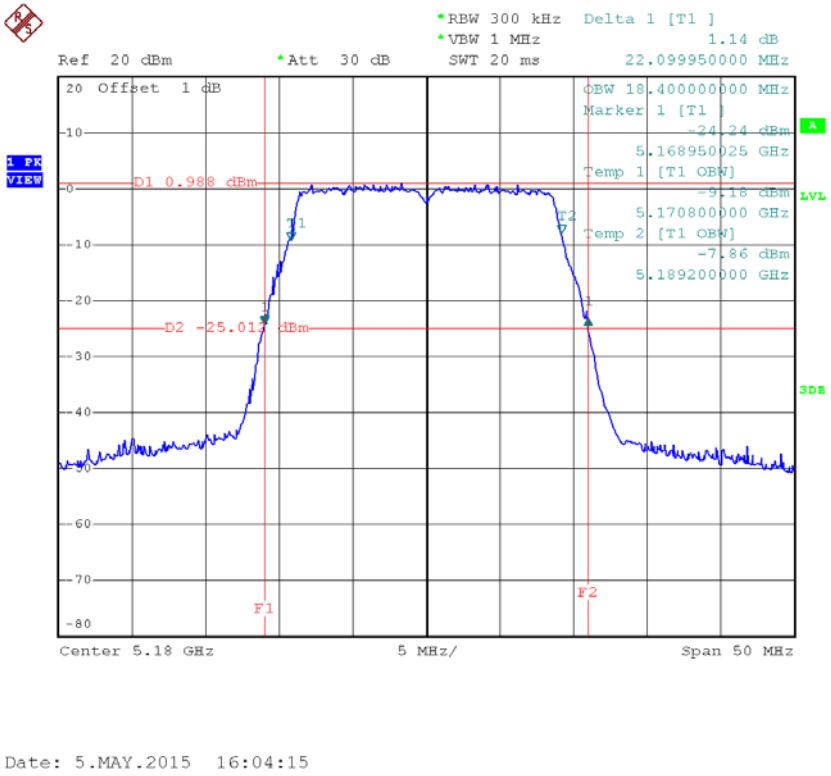


Date: 5.MAY.2015 16:02:22

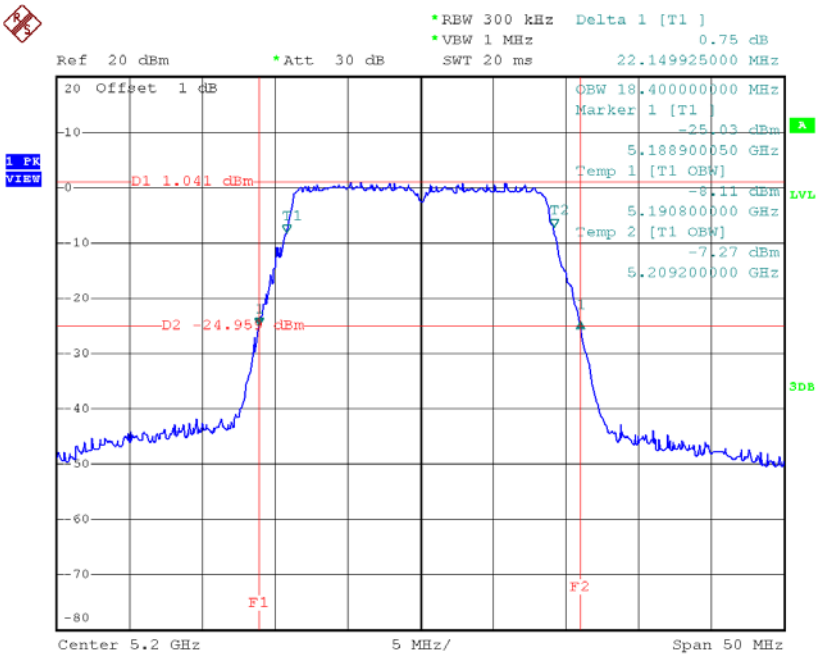
Test Mode: UNII-1/TXN20 Mode_CH36/CH40/CH48

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH36	5180	22.10	18.40
CH40	5200	22.15	18.40
CH48	5240	22.15	18.40

TX CH36

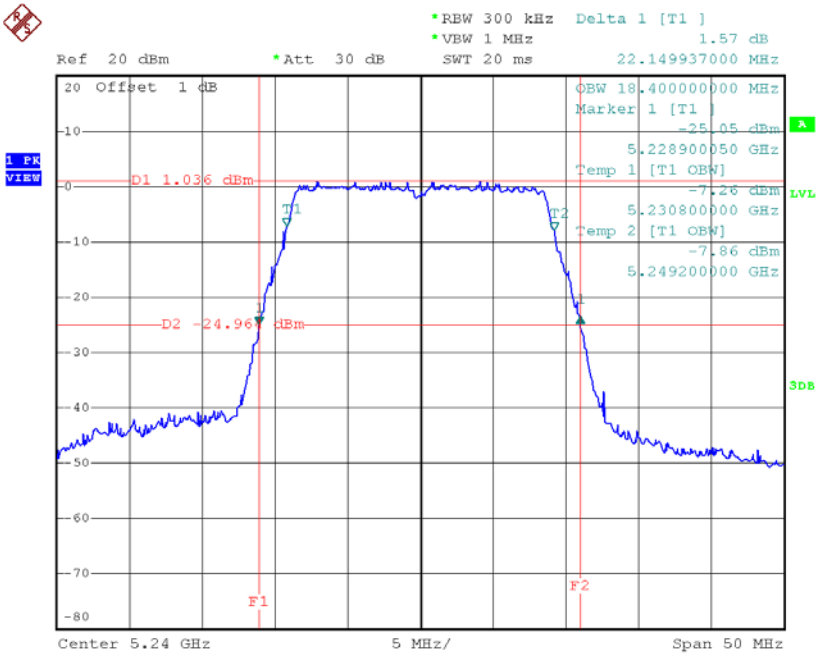


TX CH40



Date: 5.MAY.2015 16:05:48

TX CH48

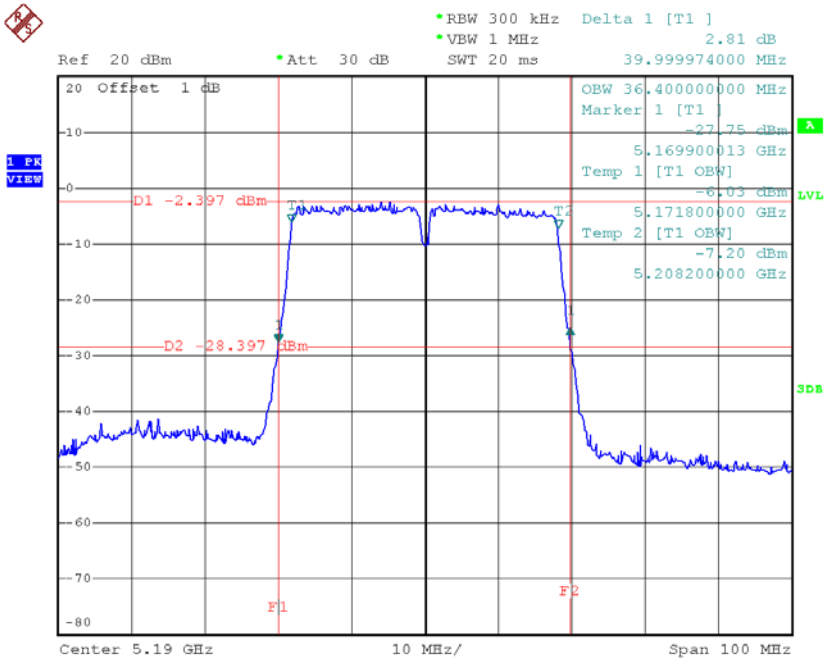


Date: 5.MAY.2015 16:06:53

Test Mode: UNII-1/TX N40 Mode_CH38/CH46

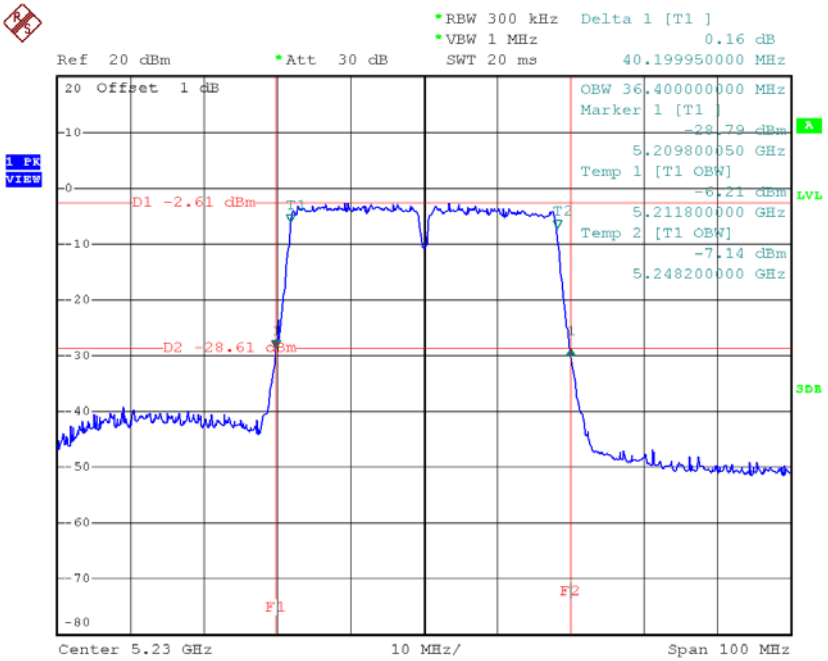
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH38	5190	40.00	36.40
CH46	5230	40.20	36.40

TX CH38



Date: 5.MAY.2015 16:11:11

TX CH46

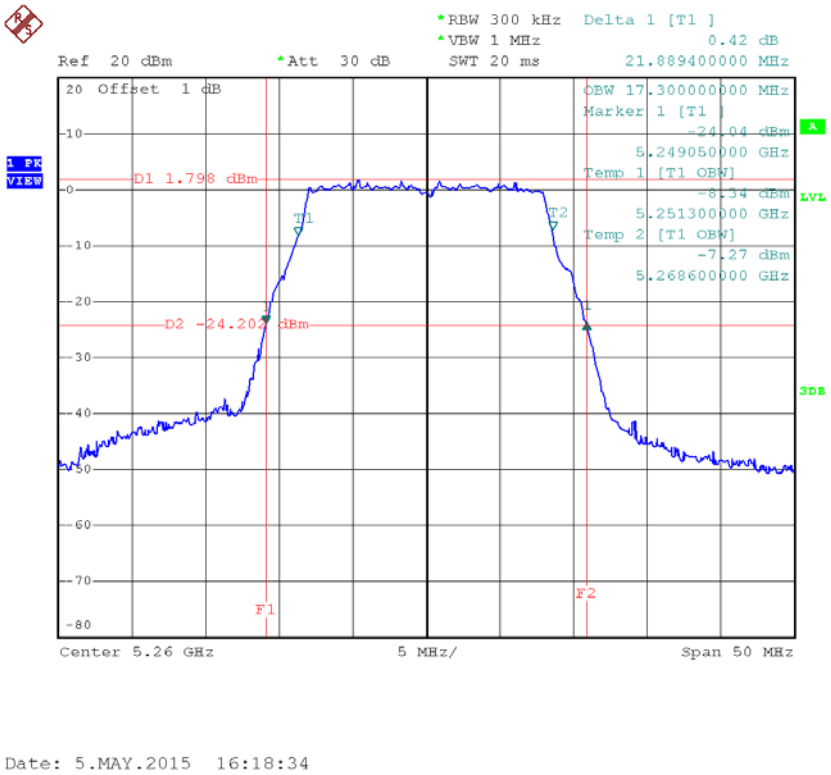


Date: 5.MAY.2015 16:12:33

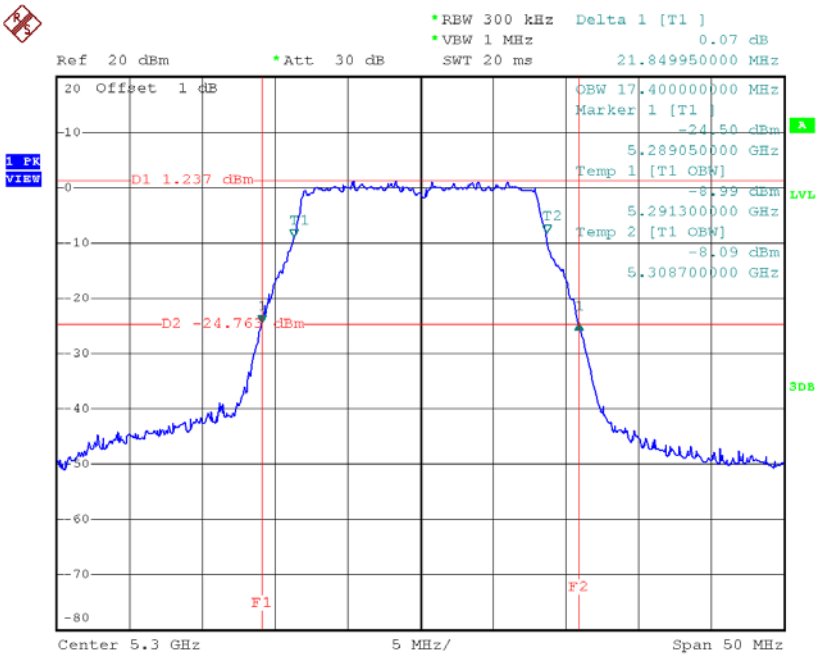
Test Mode: UNII-2A/TX A Mode_CH52/CH60/CH64

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH52	5260	21.89	17.30
CH60	5300	21.85	17.40
CH64	5320	21.79	17.40

TX CH52

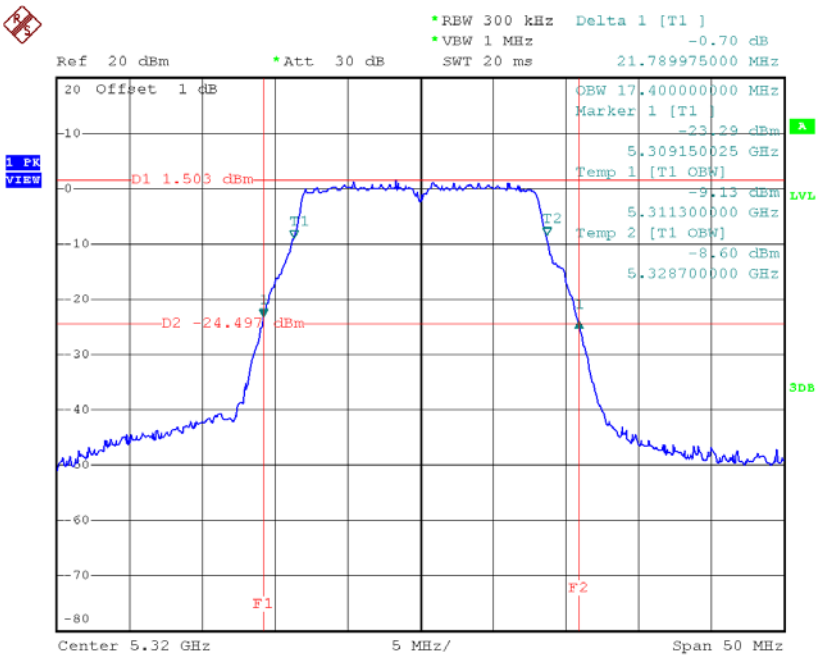


TX CH60



Date: 5.MAY.2015 16:20:30

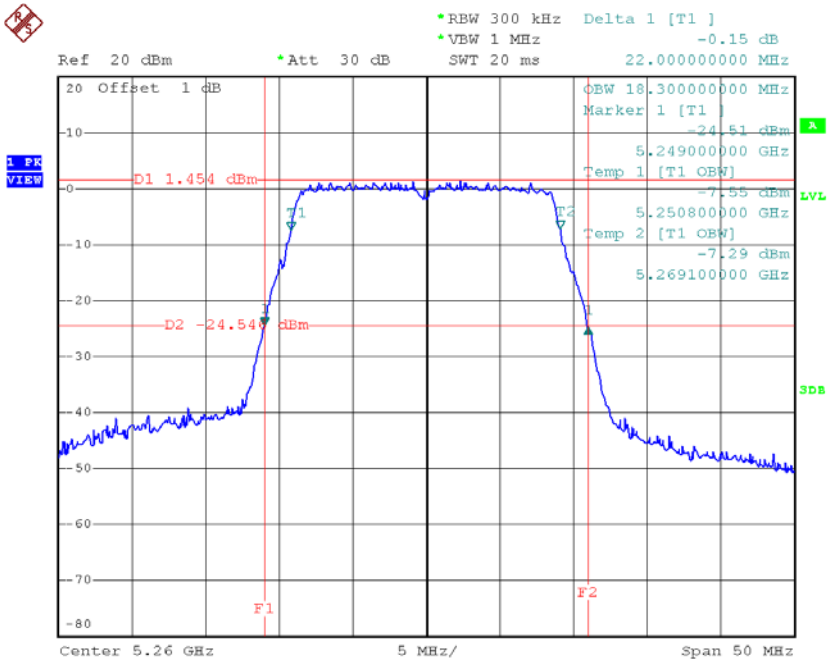
TX CH64



Date: 5.MAY.2015 16:21:30

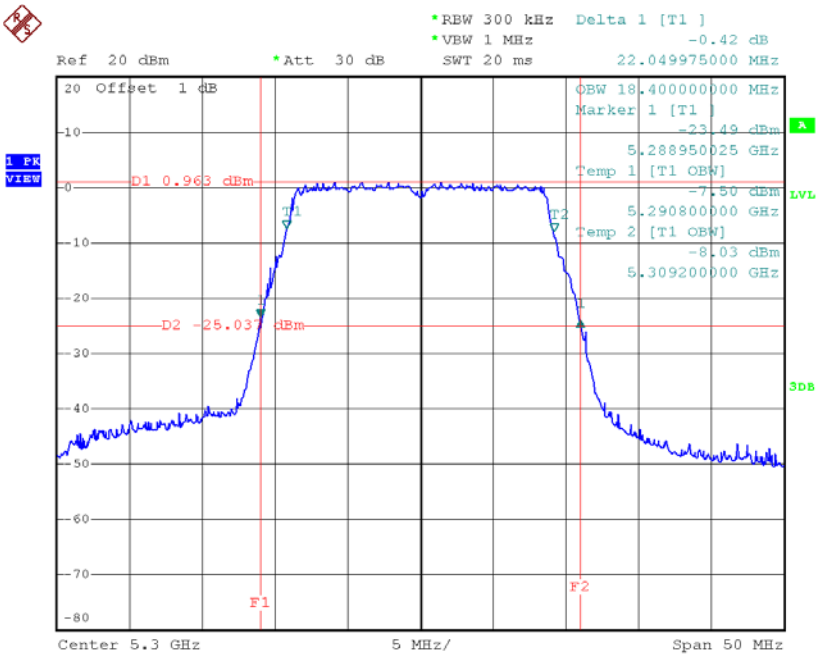
Test Mode: UNII-2A/TX N20 Mode_CH52/CH60/CH64			
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH52	5260	22.00	18.30
CH60	5300	22.05	18.40
CH64	5320	22.05	18.40

TX CH52



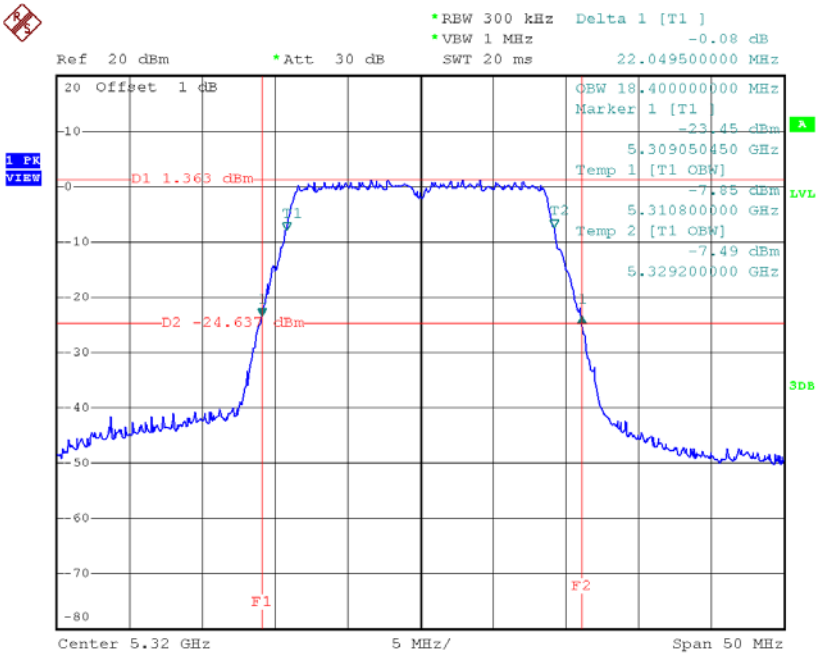
Date: 5.MAY.2015 16:22:52

TX CH60



Date: 5.MAY.2015 16:24:08

TX CH64

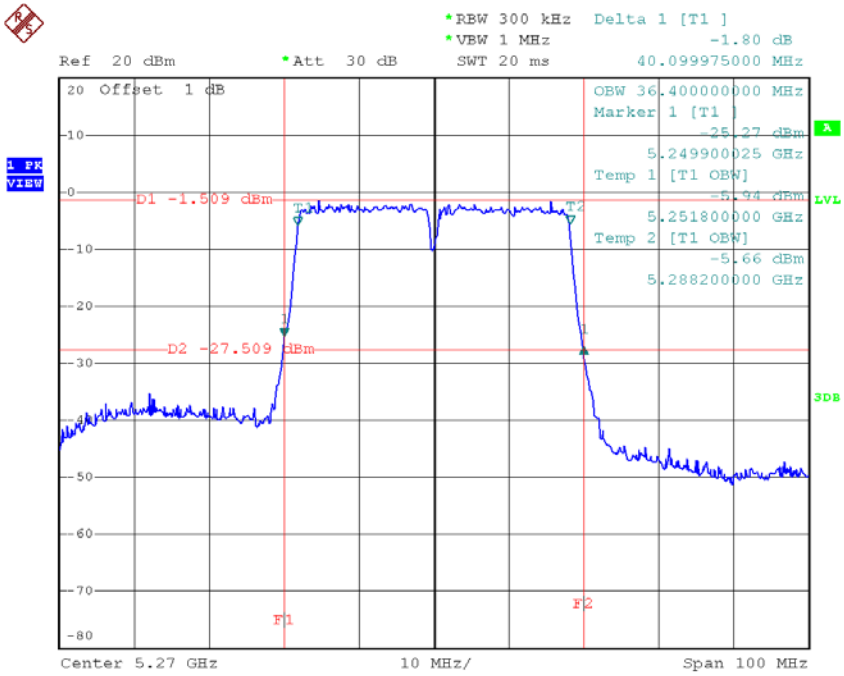


Date: 5.MAY.2015 16:25:05

Test Mode: UNII-2A/TX N40 Mode_CH54/CH62

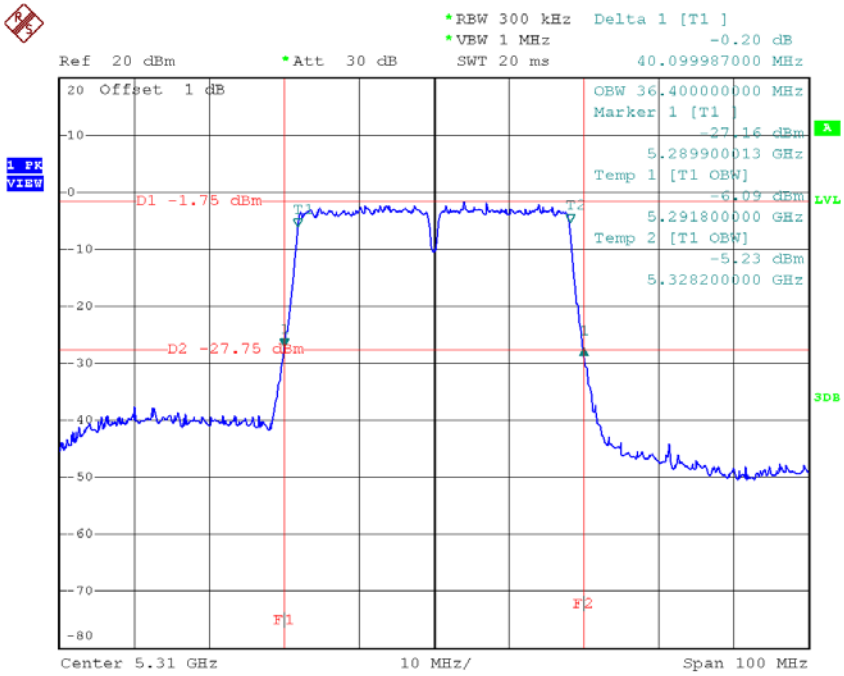
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH54	5270	40.10	36.40
CH62	5310	40.10	36.40

TX CH54



Date: 5.MAY.2015 16:29:43

TX CH62

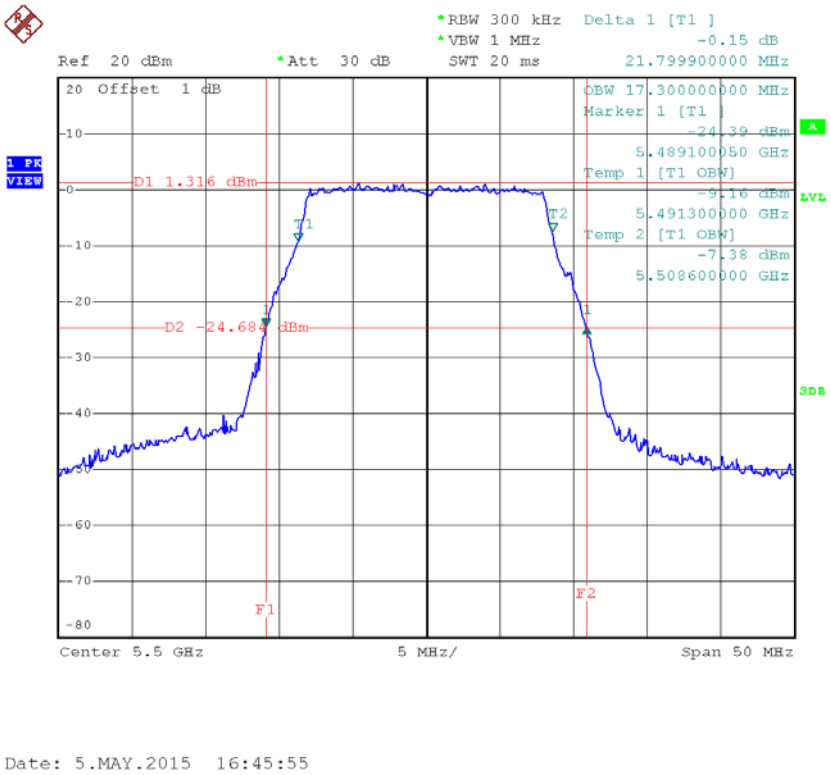


Date: 5.MAY.2015 16:30:46

Test Mode: UNII-2C/TX A Mode_CH100/CH116/CH140

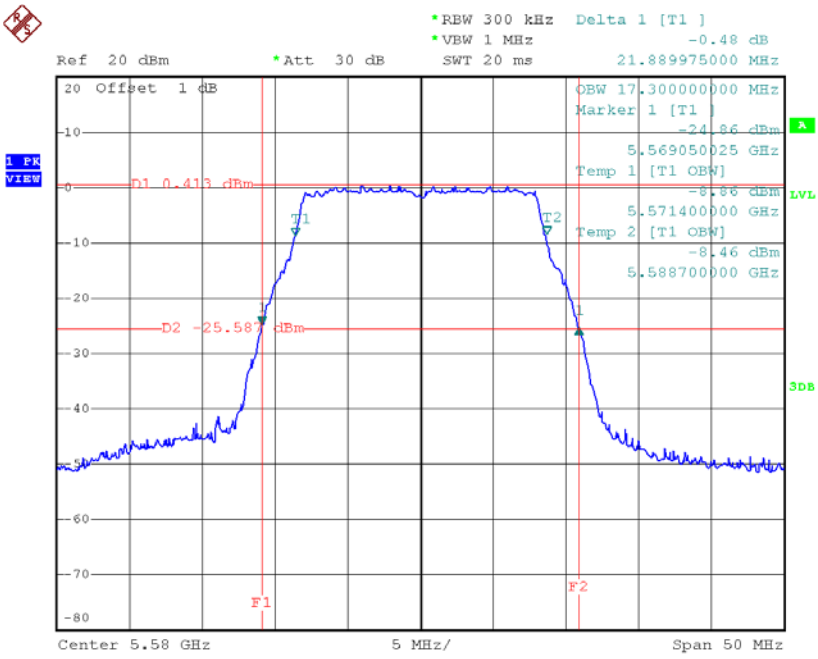
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH100	5500	21.80	17.30
CH116	5580	21.89	17.30
CH140	5700	21.75	17.30

TX CH100



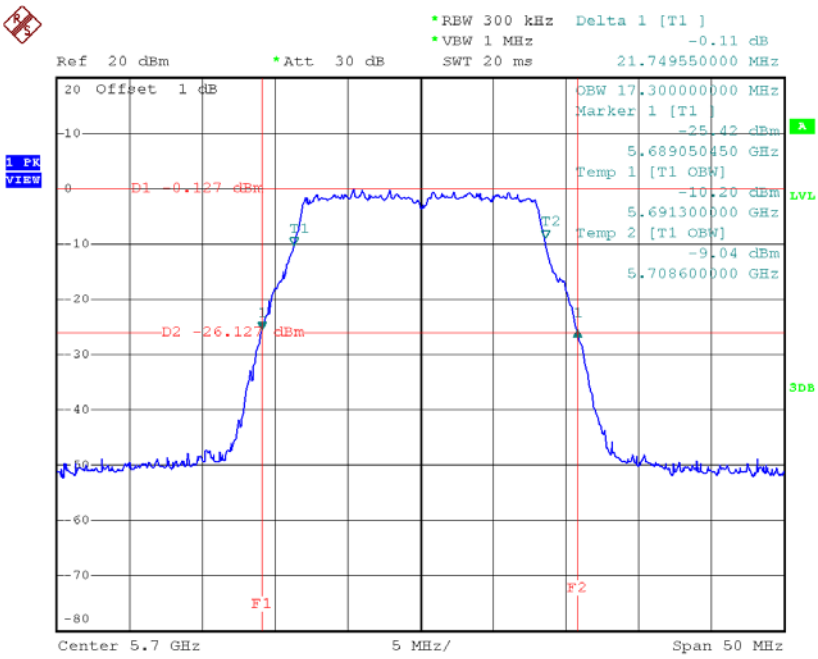
Date: 5.MAY.2015 16:45:55

TX CH116



Date: 5.MAY.2015 16:48:23

TX CH140

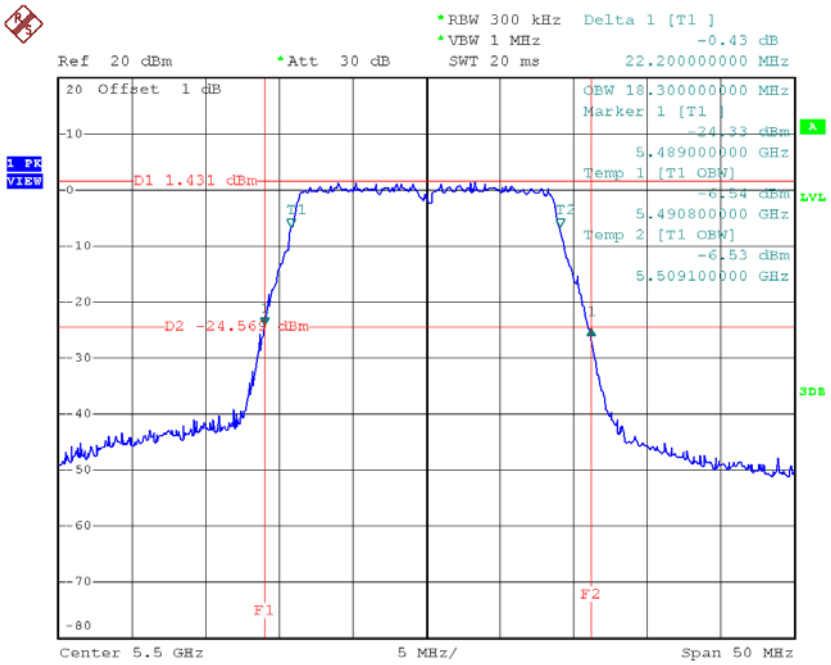


Date: 5.MAY.2015 17:28:30

Test Mode: UNII-2C/TX N20 Mode_CH100/CH116/CH140

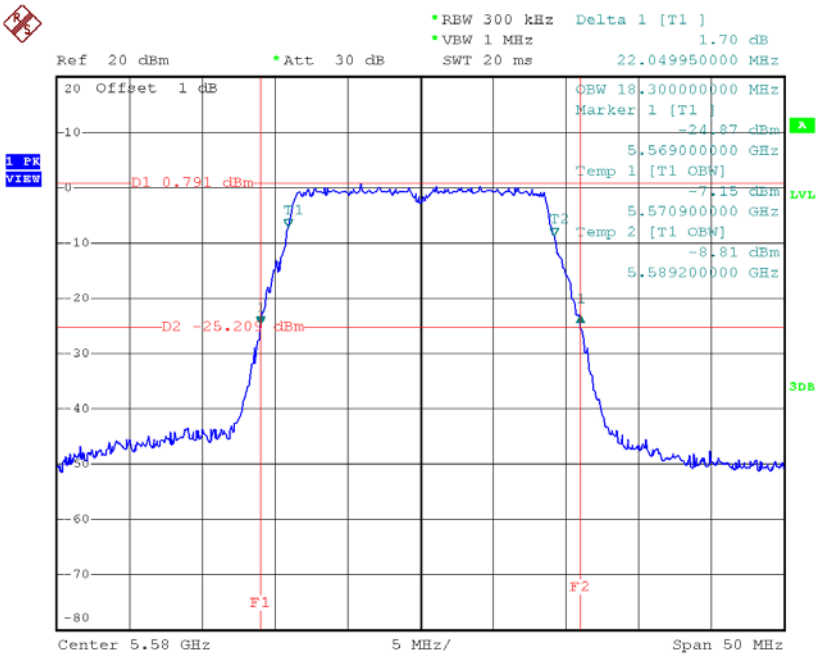
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH100	5500	22.20	18.30
CH116	5580	22.05	18.30
CH140	5700	22.25	18.40

TX CH100



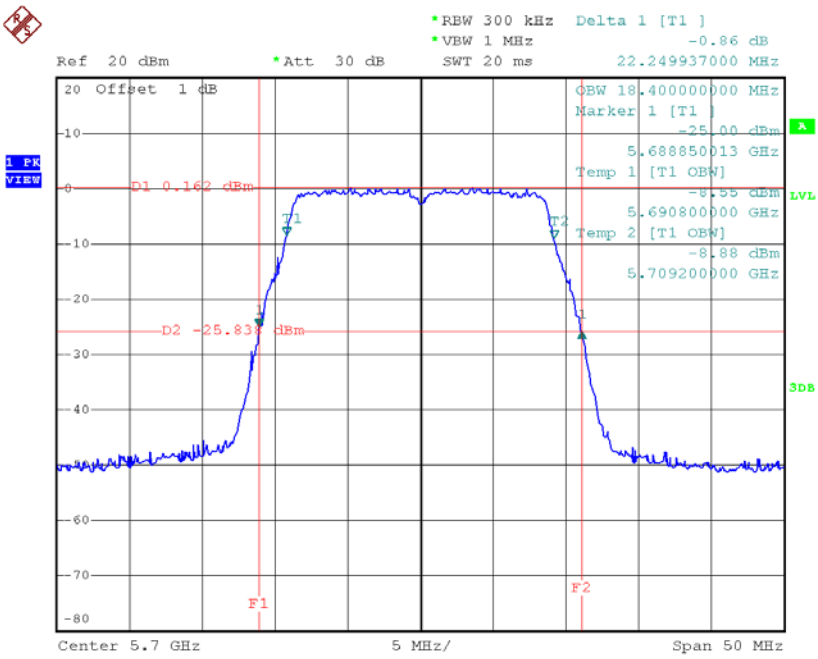
Date: 5.MAY.2015 16:50:34

TX CH116



Date: 5.MAY.2015 16:51:45

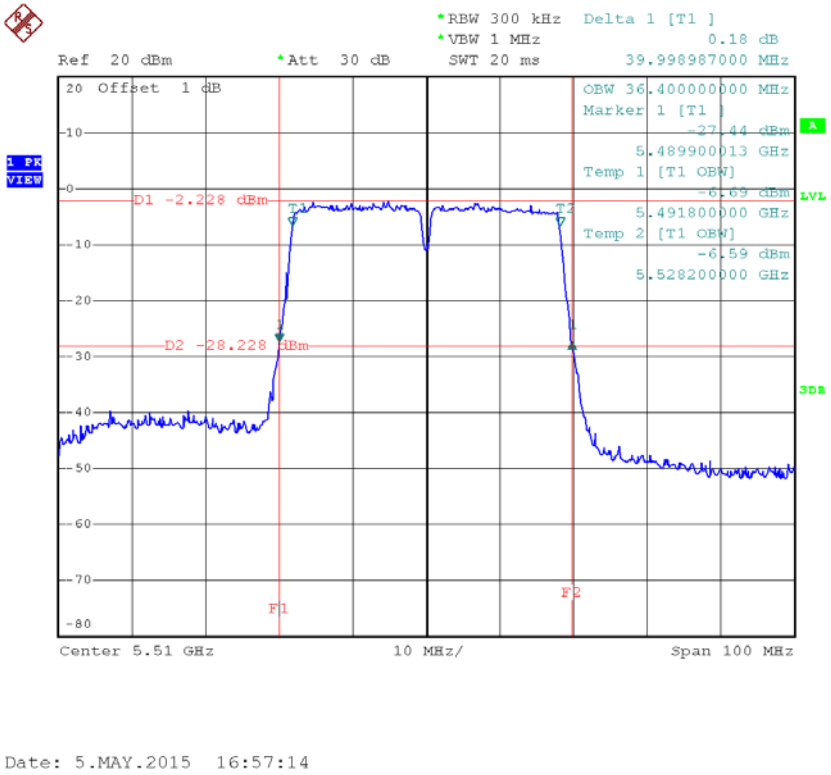
TX CH140



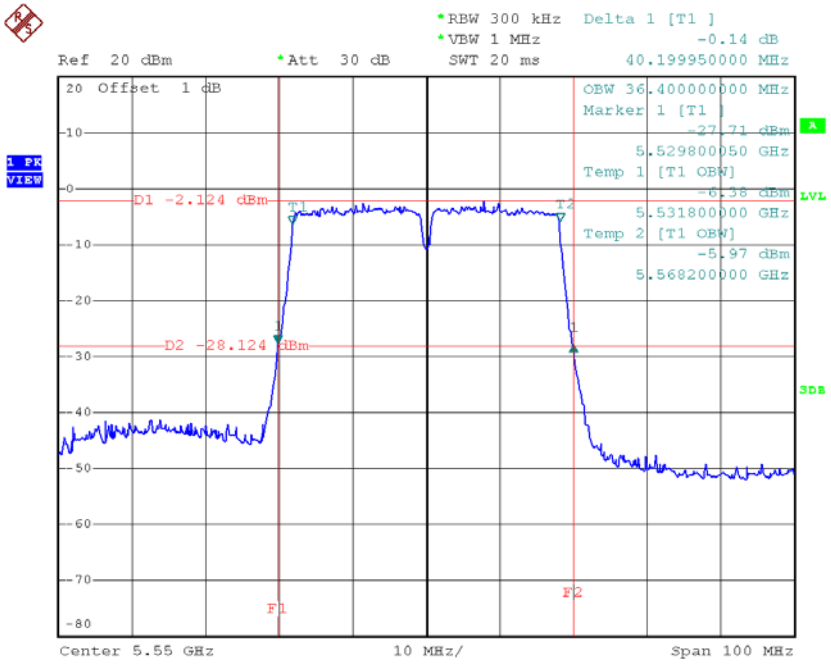
Date: 5.MAY.2015 16:52:27

Test Mode: UNII-2C/TX N40 Mode_CH102/CH110/CH134			
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH102	5510	40.00	36.40
CH110	5550	40.20	36.40
CH134	5670	40.20	36.40

TX CH102

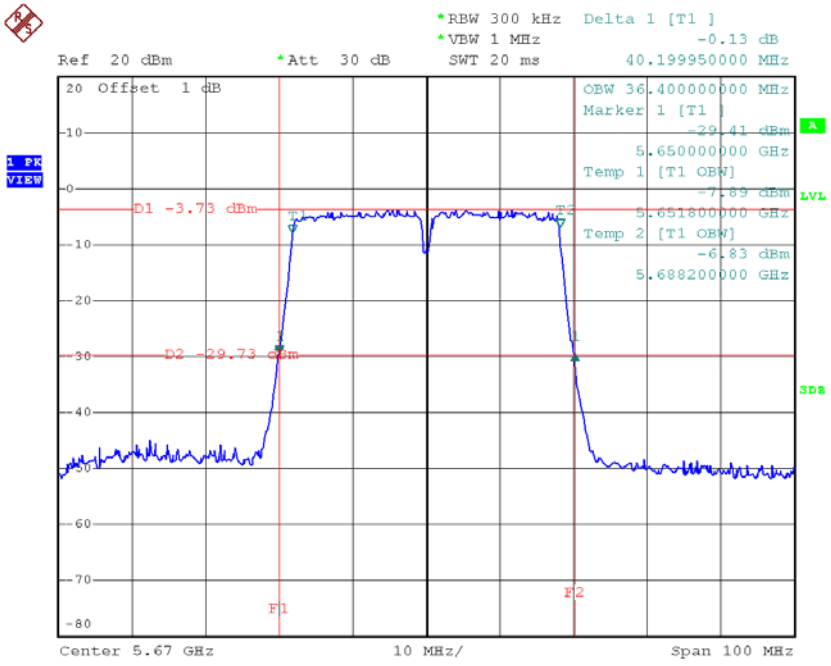


TX CH110



Date: 5.MAY.2015 16:59:27

TX CH134

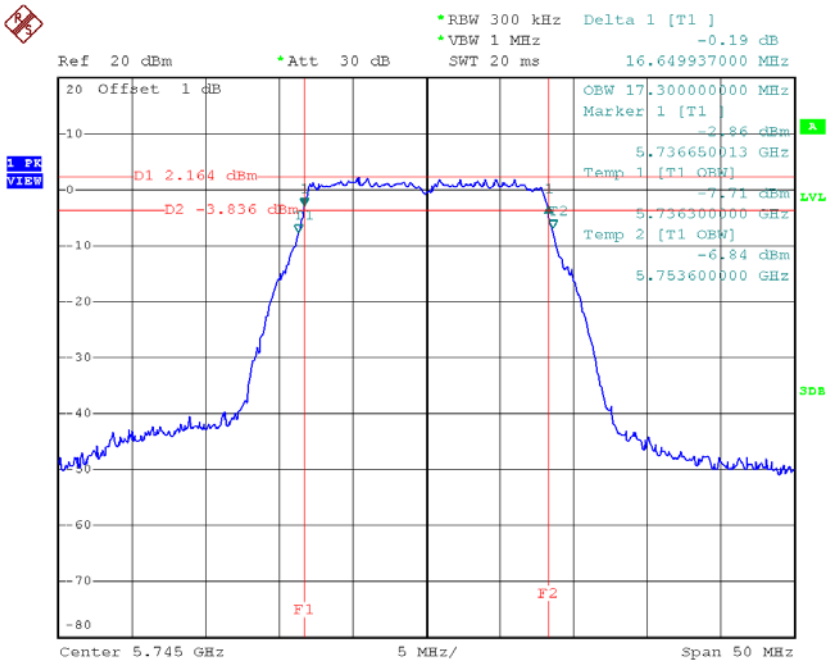


Date: 5.MAY.2015 17:00:10

Test Mode: UNII-3/ TX A Mode_CH149/CH157/CH165

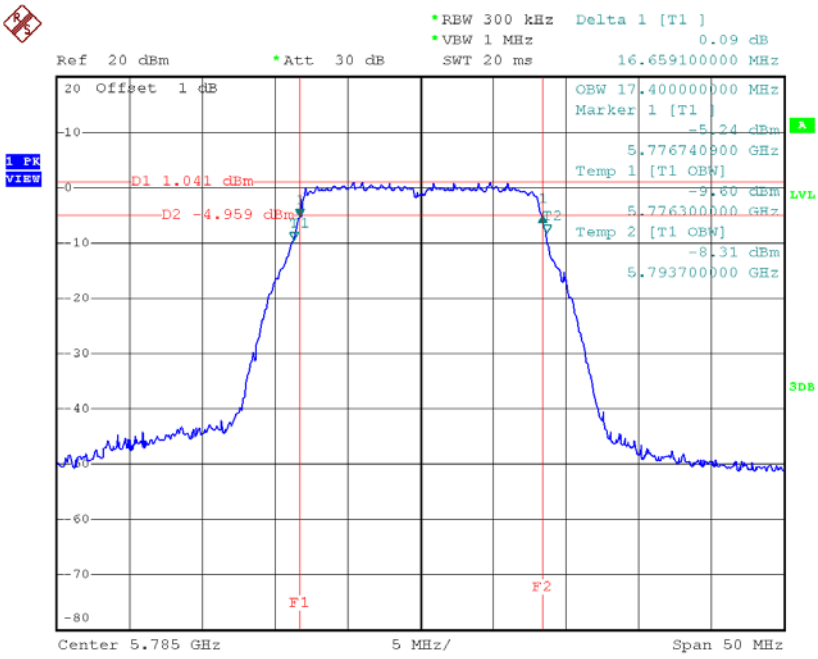
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH149	5745	16.65	17.30	>=500
CH157	5785	16.66	17.40	>=500
CH165	5825	16.69	17.40	>=500

TX CH 149



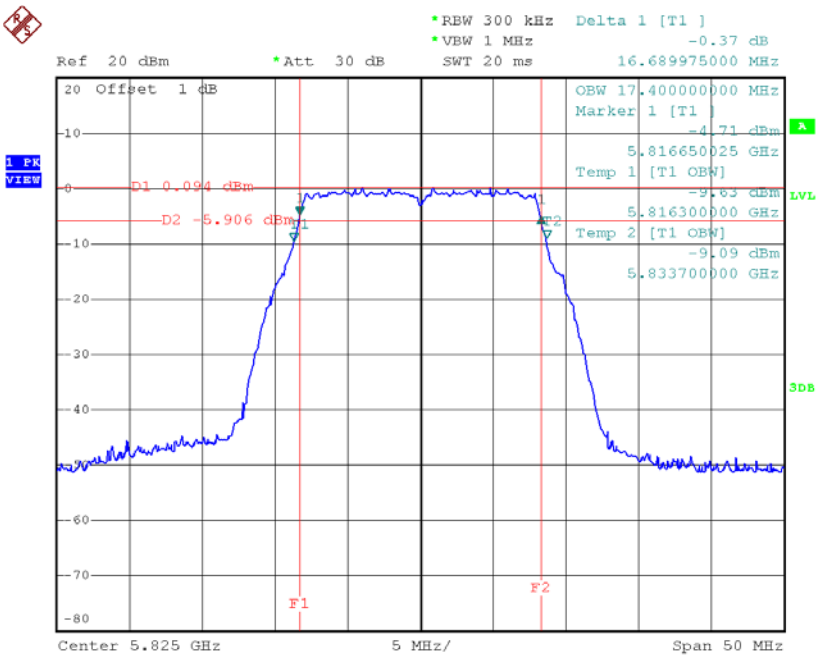
Date: 5.MAY.2015 17:09:50

TX CH 157



Date: 5.MAY.2015 17:11:42

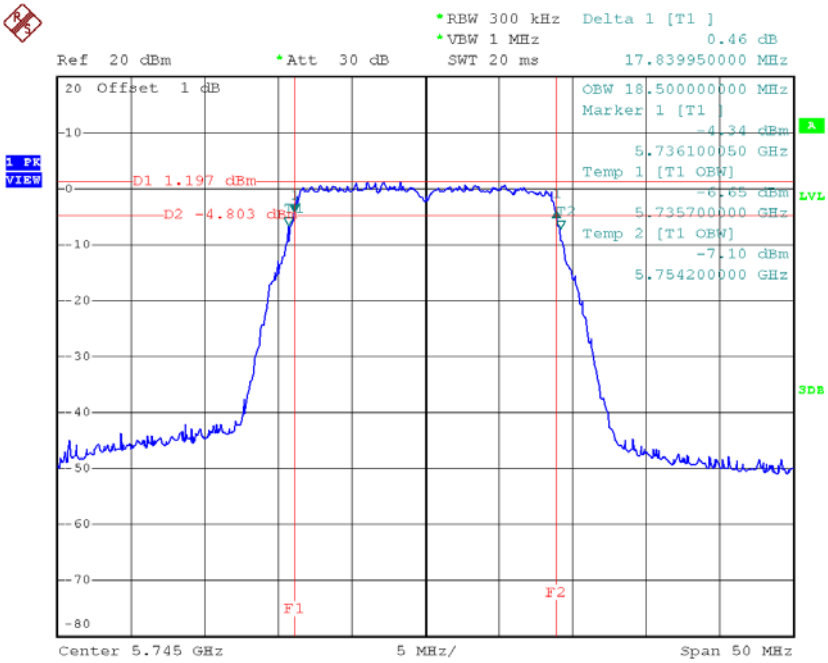
TX CH 165



Date: 5.MAY.2015 17:14:03

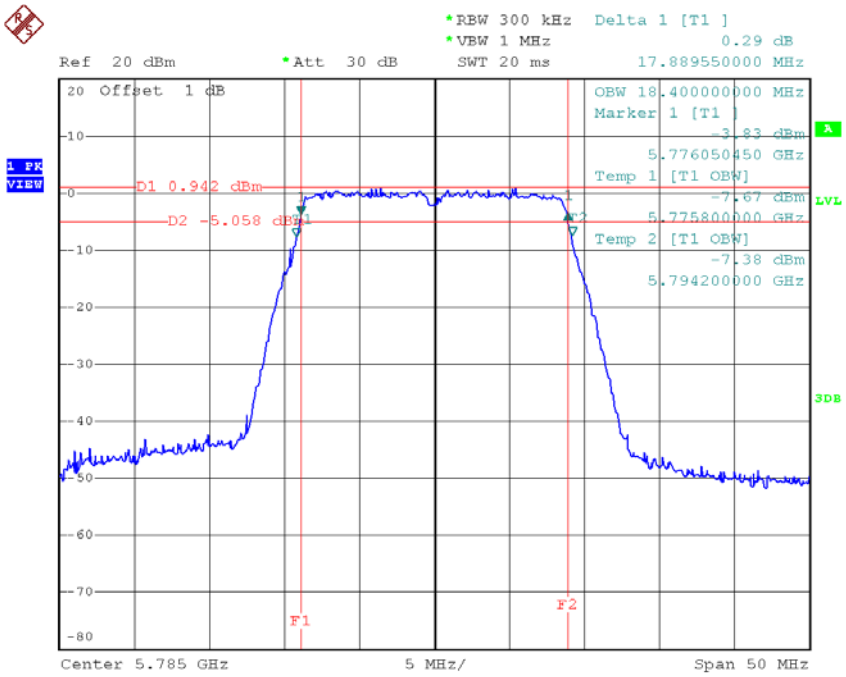
Test Mode: UNII-3/ TX N20 Mode_CH149/CH157/CH165				
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH149	5745	17.84	18.50	>=500
CH157	5785	17.89	18.40	>=500
CH165	5825	17.80	18.30	>=500

TX CH 149



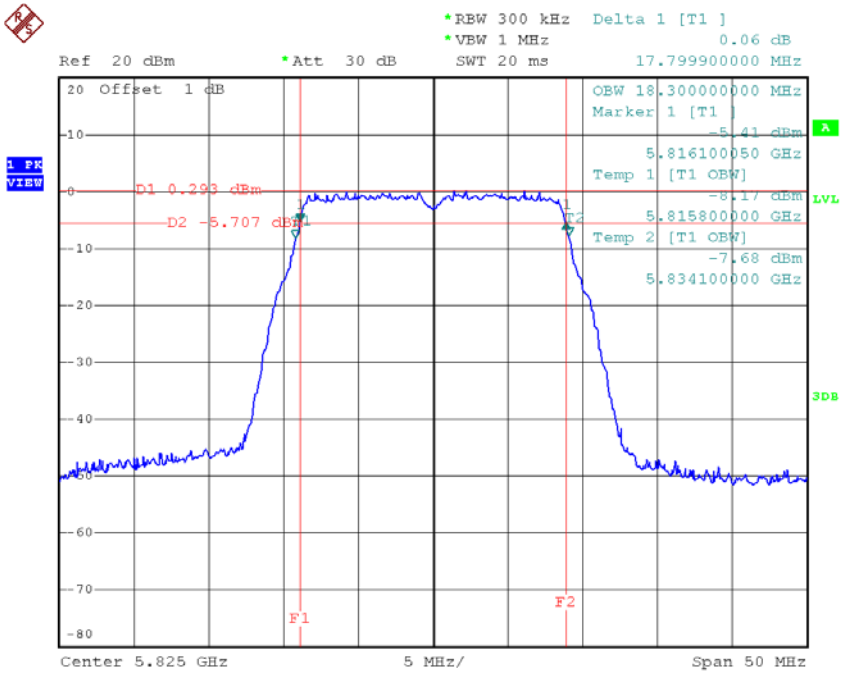
Date: 5.MAY.2015 17:15:17

TX CH 157



Date: 5.MAY.2015 17:16:39

TX CH 165

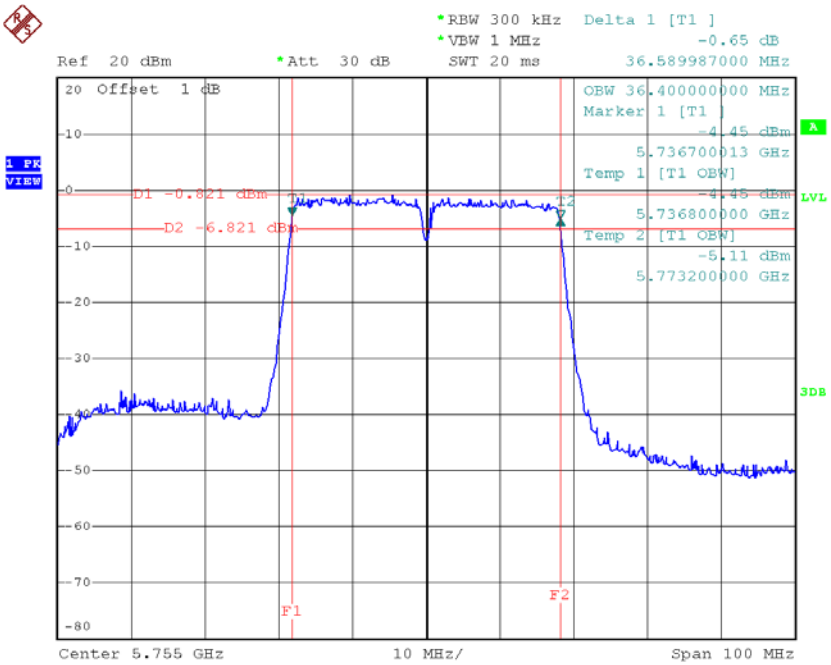


Date: 5.MAY.2015 17:17:20

Test Mode: UNII-3/ TX N40 Mode_CH151/CH159

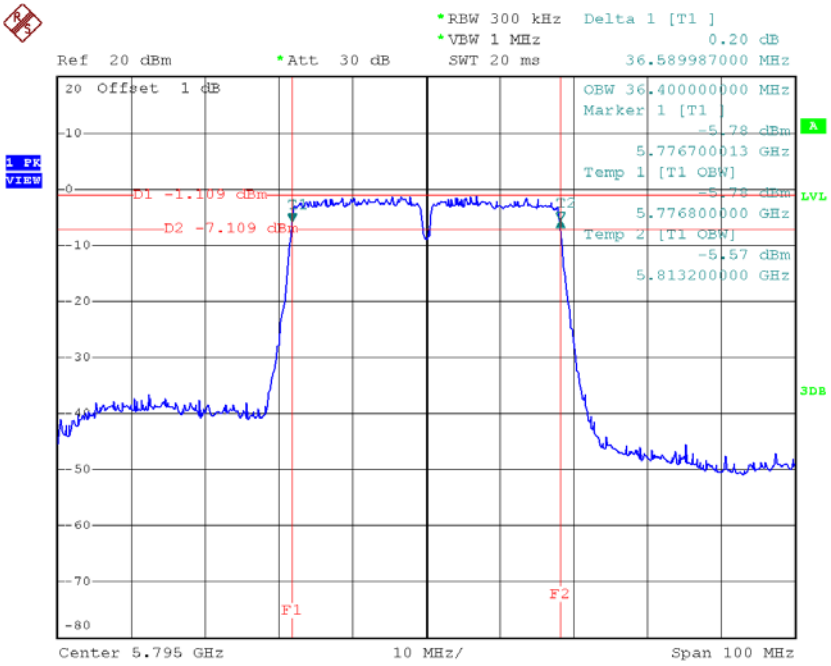
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH151	5755	36.59	36.40	>=500
CH159	5795	36.59	36.40	>=500

TX CH 151



Date: 5.MAY.2015 17:22:27

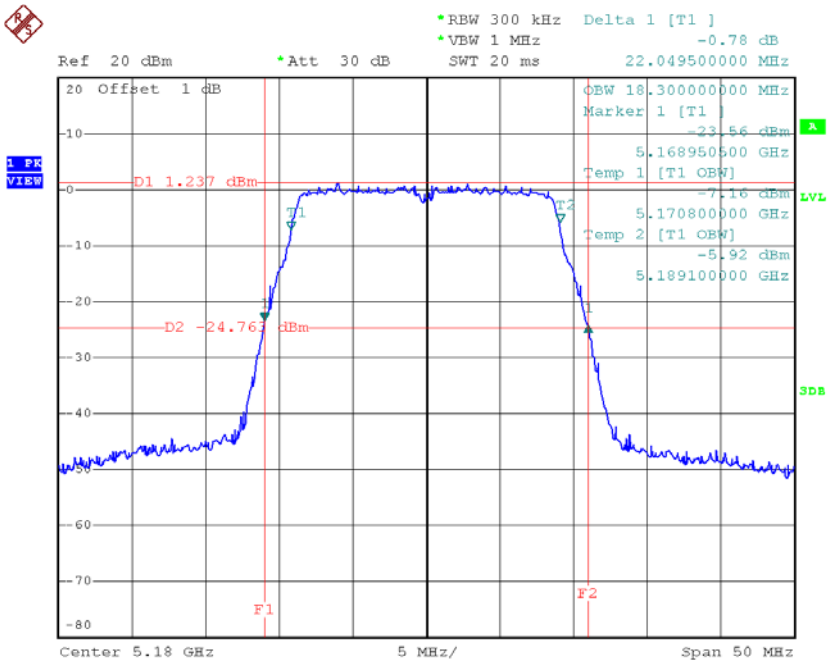
TX CH 159



Date: 5.MAY.2015 17:23:34

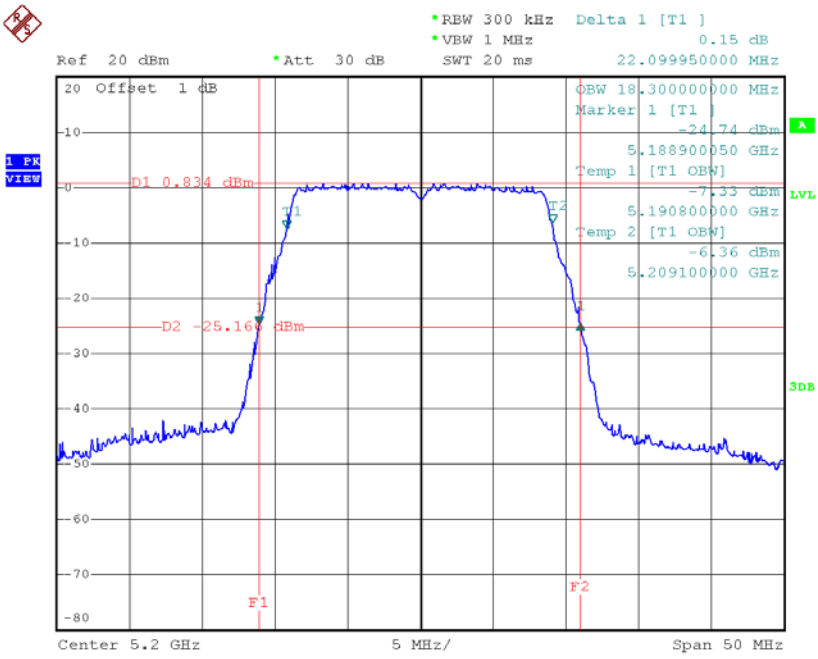
Test Mode: UNII-1/TX AC20 Mode_CH36/CH40/CH48			
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH36	5180	22.05	18.30
CH40	5200	22.10	18.30
CH48	5240	22.15	18.50

TX CH36



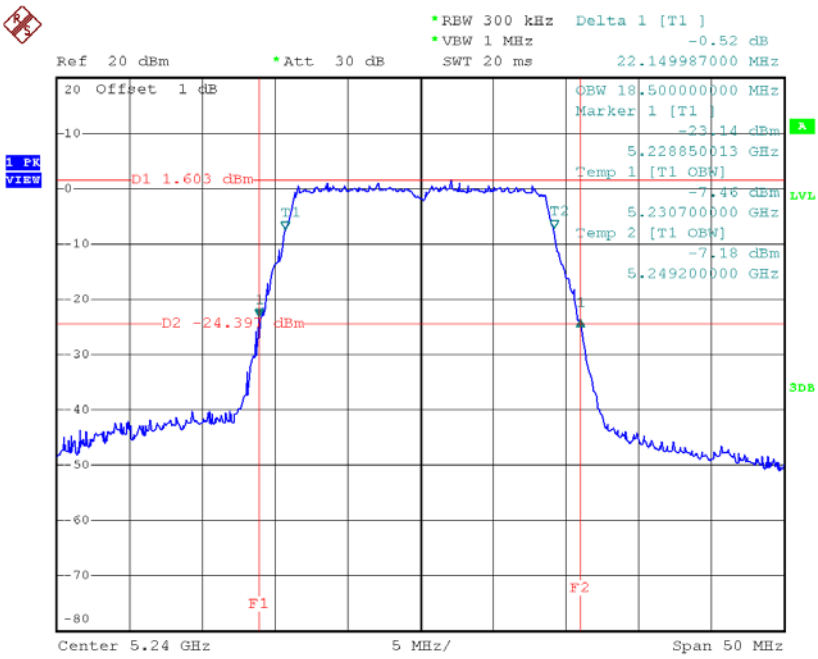
Date: 5.MAY.2015 16:07:56

TX CH40



Date: 5.MAY.2015 16:09:13

TX CH48

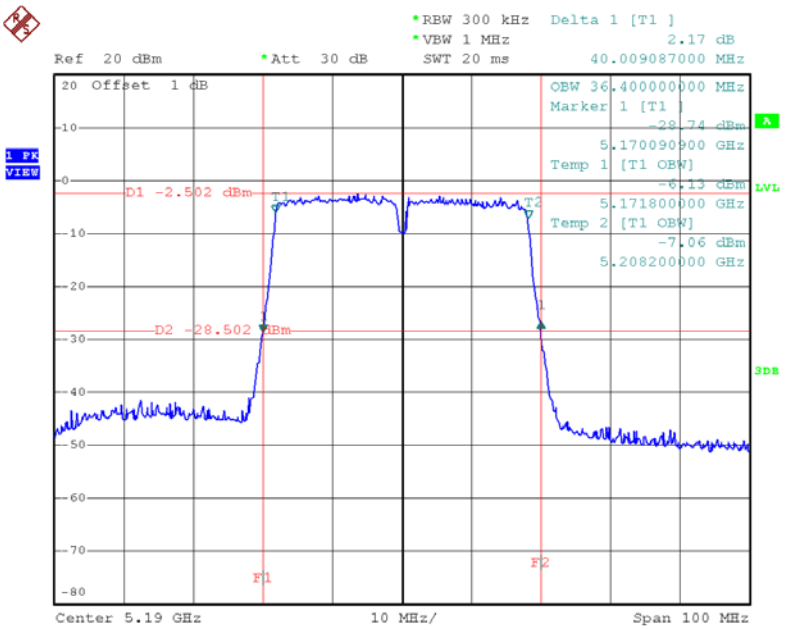


Date: 5.MAY.2015 16:10:07

Test Mode: UNII-1/TX AC40 Mode_CH38/CH46

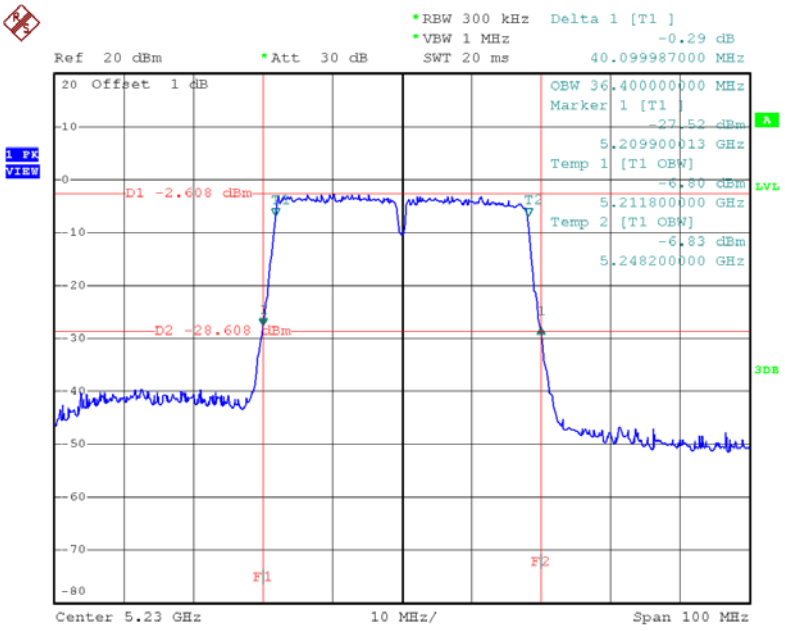
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH38	5190	40.01	36.40
CH46	5230	40.10	36.40

TX CH38



Date: 5.MAY.2015 16:13:29

TX CH46

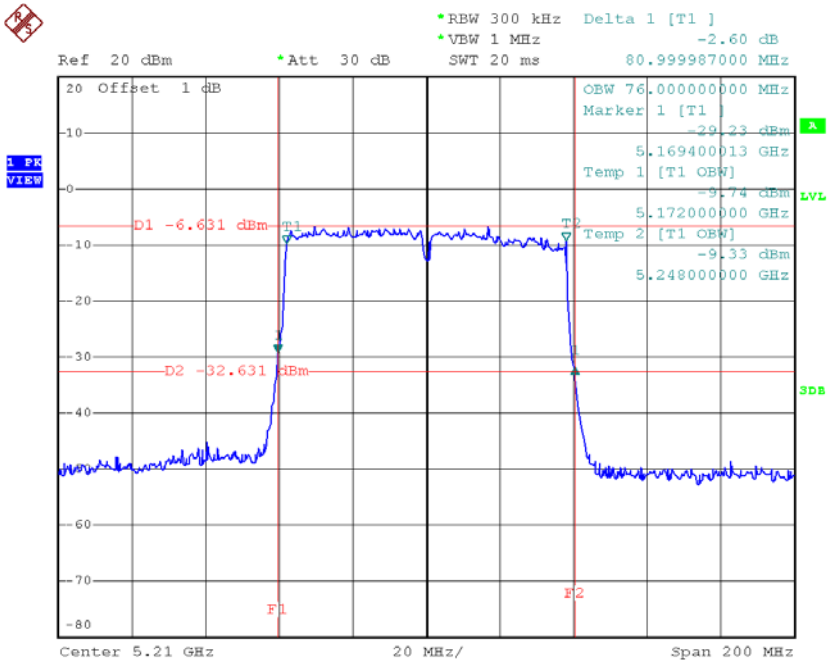


Date: 5.MAY.2015 16:14:38

Test Mode: UNII-1/TX AC80 Mode_CH42

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH42	5210	81.00	76.00

TX CH42

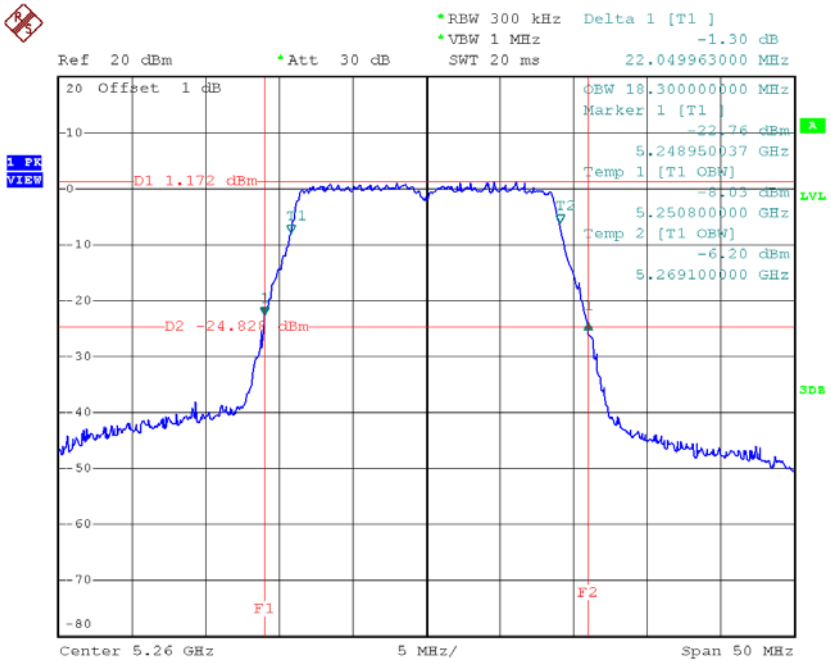


Date: 5.MAY.2015 16:15:49

Test Mode: UNII-2A/TX AC20 Mode_CH52/CH60/CH64

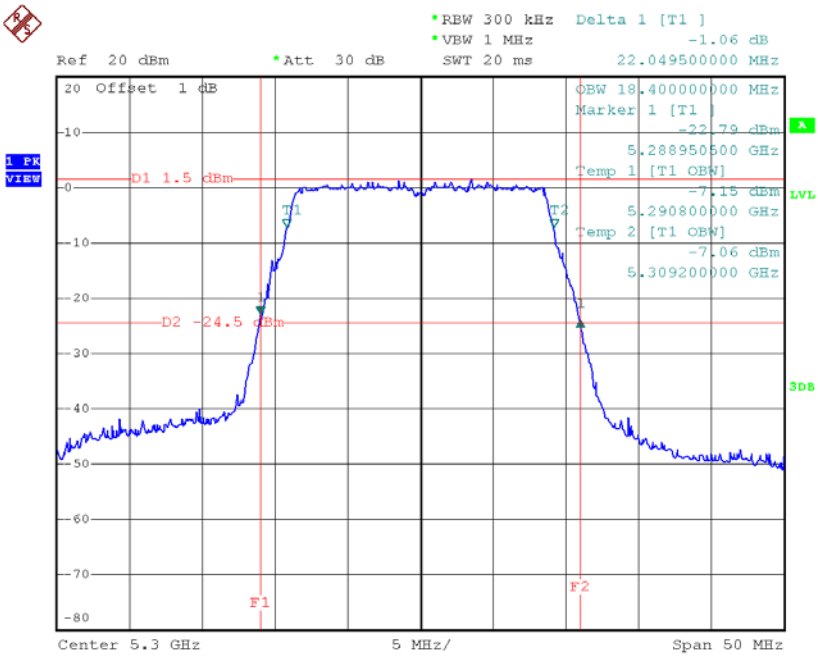
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH52	5260	22.05	18.30
CH60	5300	22.05	18.40
CH64	5320	22.19	18.40

TX CH52



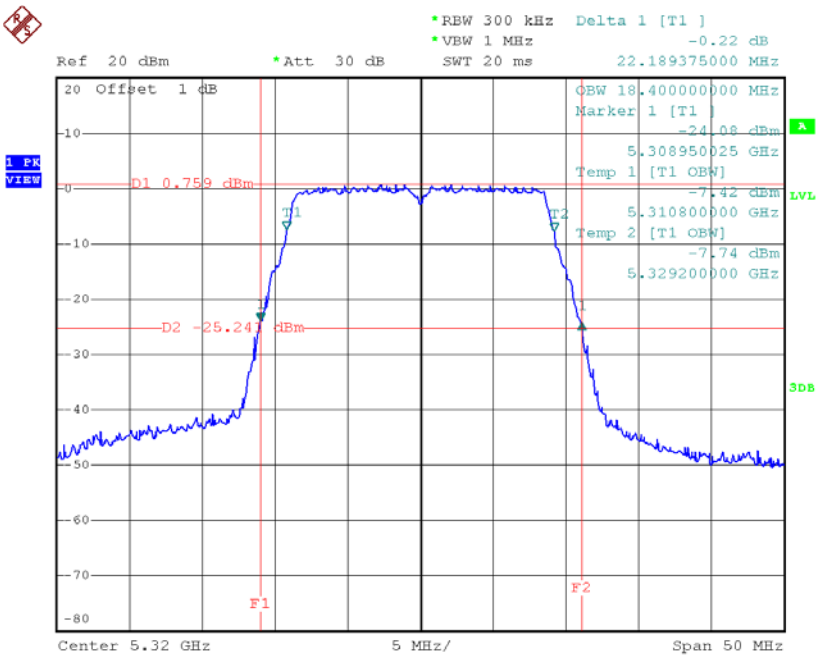
Date: 5.MAY.2015 16:25:59

TX CH60



Date: 5.MAY.2015 16:27:17

TX CH64

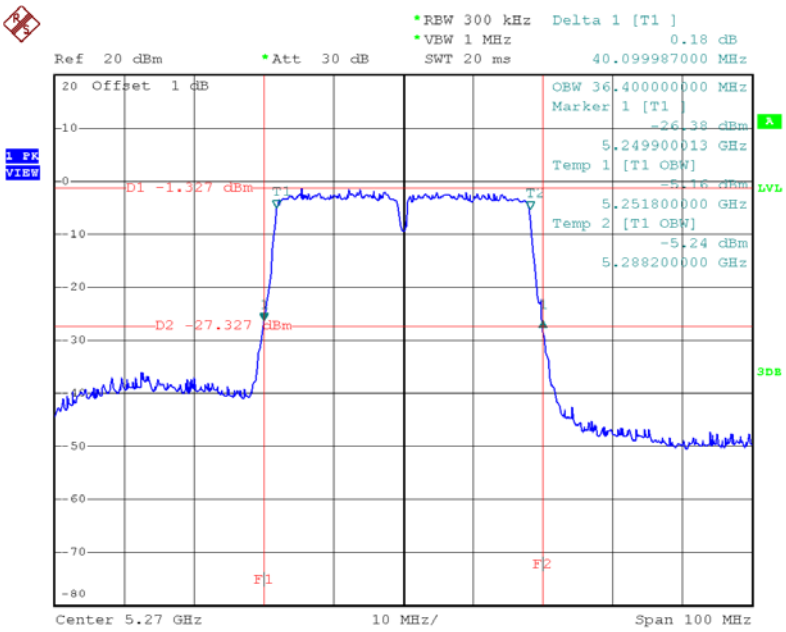


Date: 5.MAY.2015 16:27:52

Test Mode: UNII-2A/TX AC40 Mode_CH54/CH62

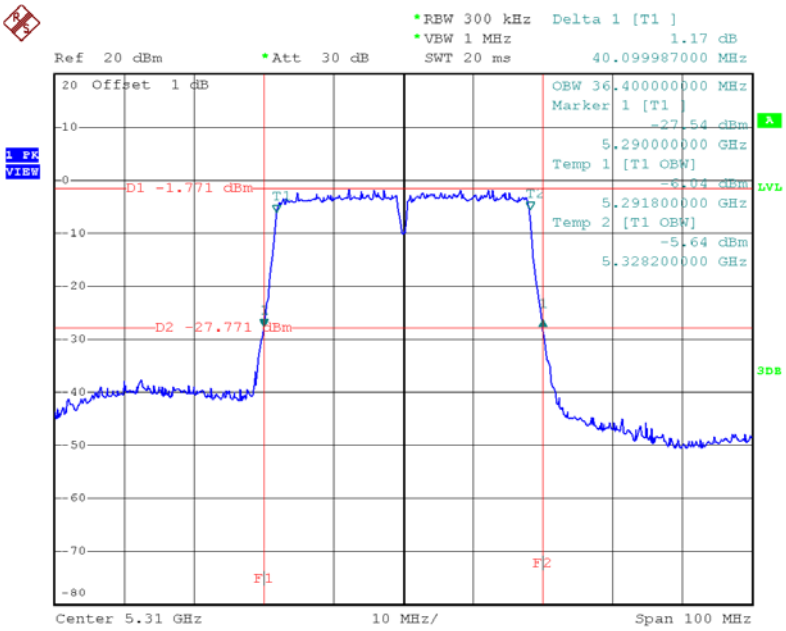
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH54	5270	40.10	36.40
CH62	5310	40.10	36.40

TX CH54



Date: 5.MAY.2015 16:31:39

TX CH62

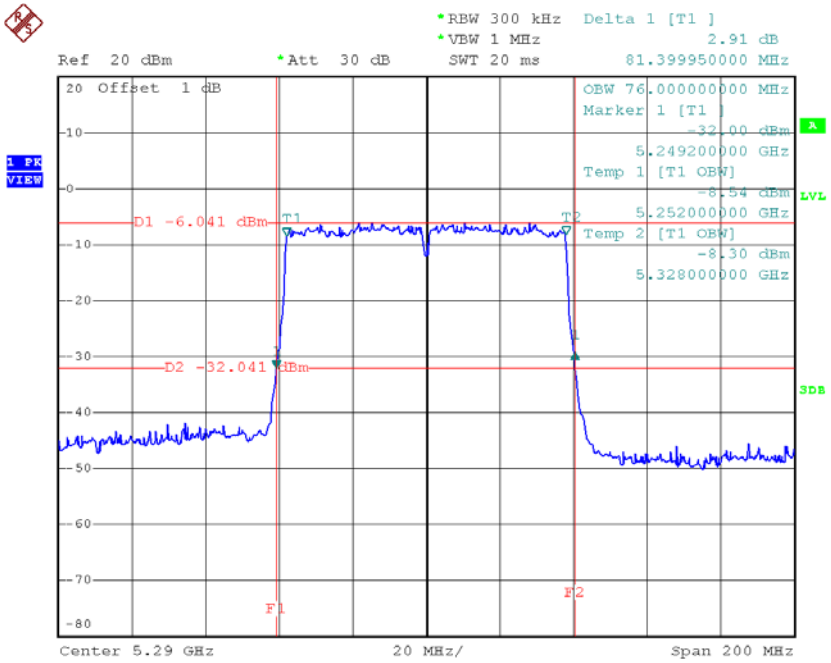


Date: 5.MAY.2015 16:32:45

Test Mode: UNII-2A/TX AC80 Mode_CH58

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH58	5290	81.40	76.00

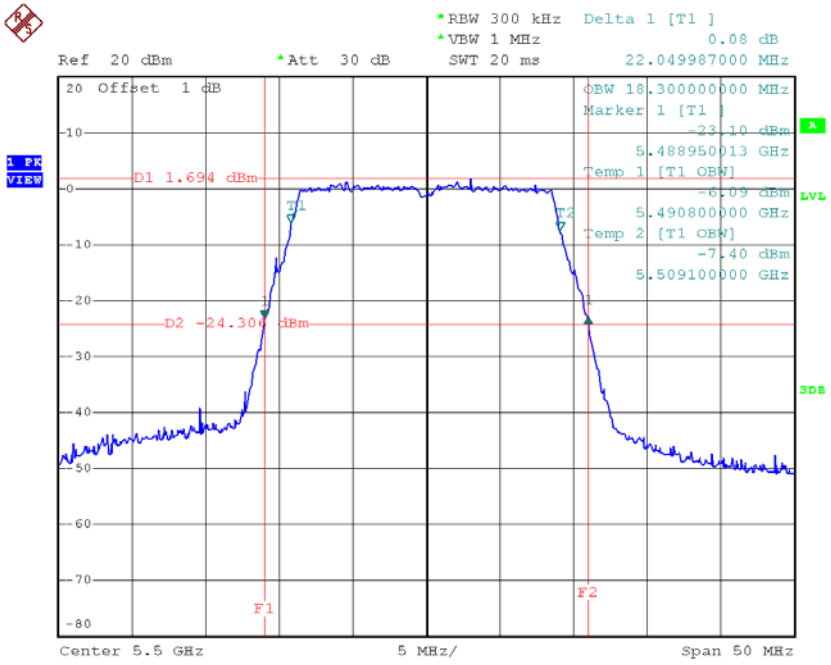
TX CH58



Date: 5.MAY.2015 16:34:54

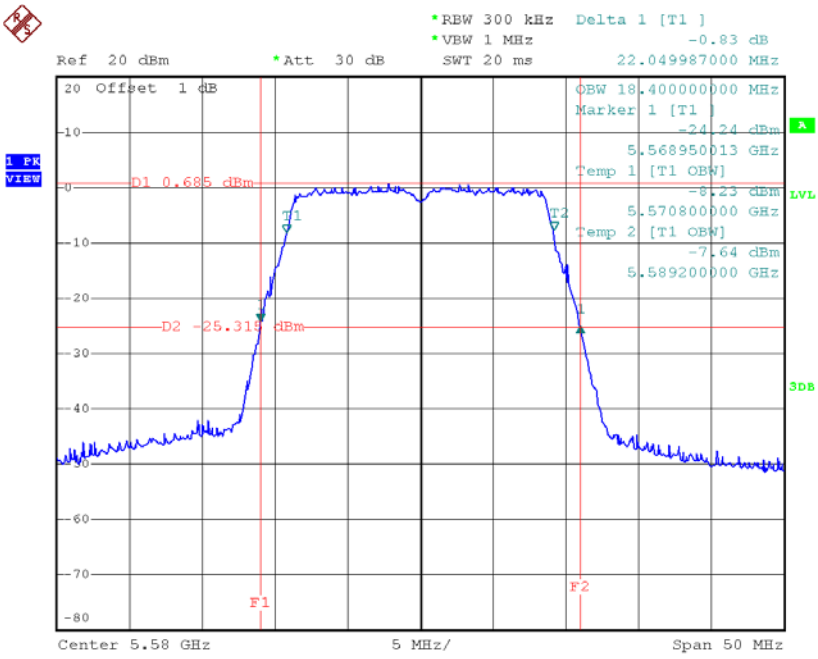
Test Mode: UNII-2C/TX AC20 Mode_CH100/CH116/CH140			
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH100	5500	22.05	18.30
CH116	5580	22.05	18.40
CH140	5700	22.20	18.40

TX CH100



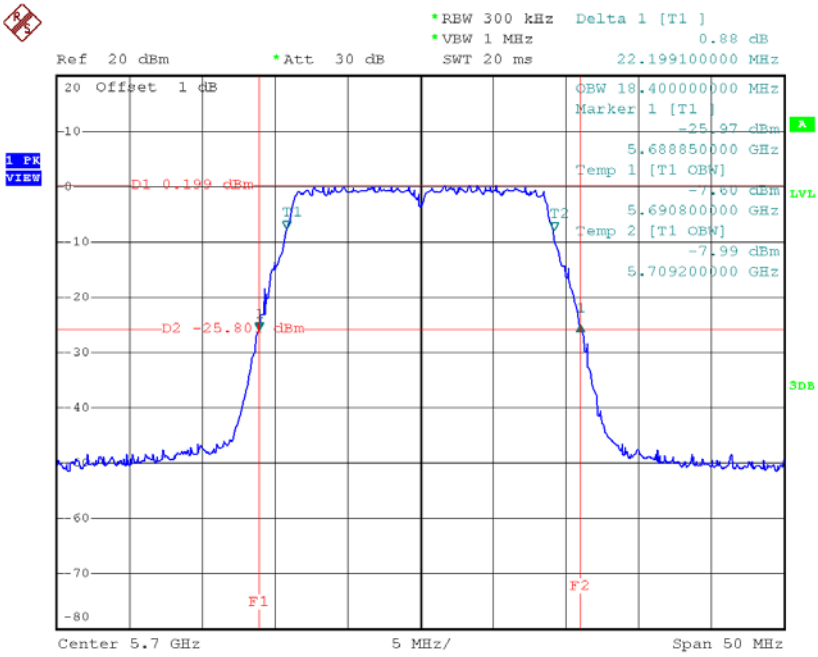
Date: 5.MAY.2015 16:53:46

TX CH116



Date: 5.MAY.2015 16:55:08

TX CH140

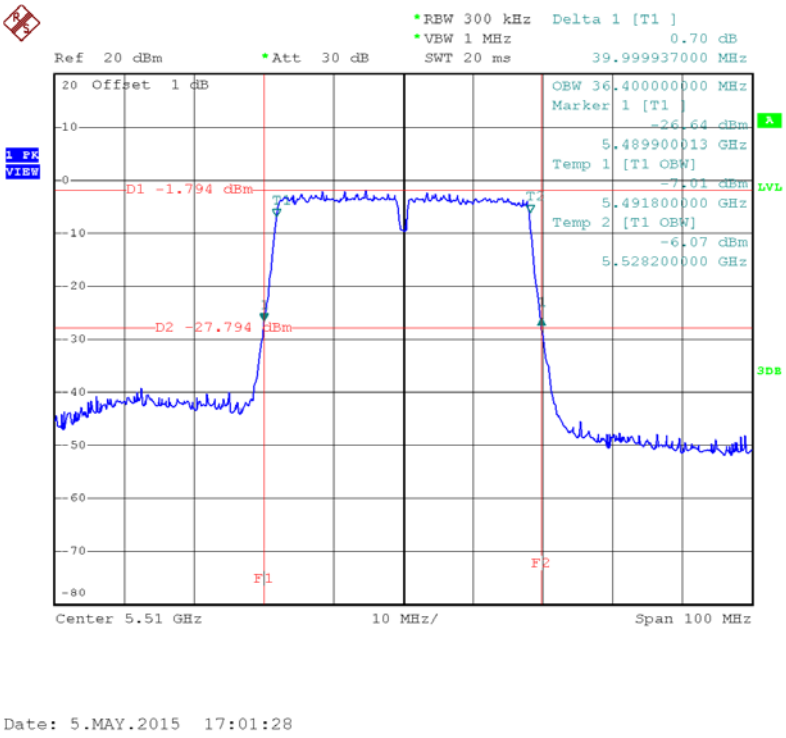


Date: 5.MAY.2015 16:56:14

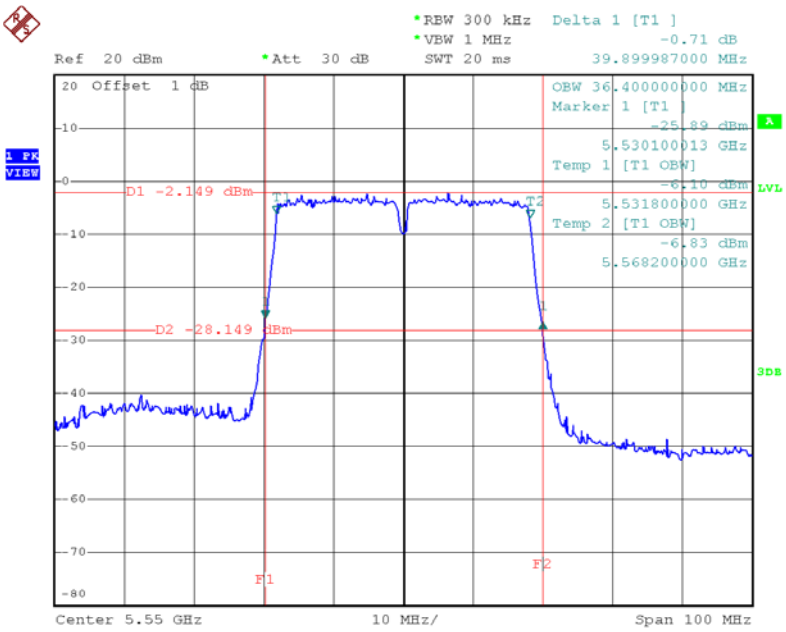
Test Mode: UNII-2C/TX AC40 Mode_CH102/CH110/CH134

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH102	5510	40.00	36.40
CH110	5550	39.90	36.40
CH134	5670	40.21	36.40

TX CH102

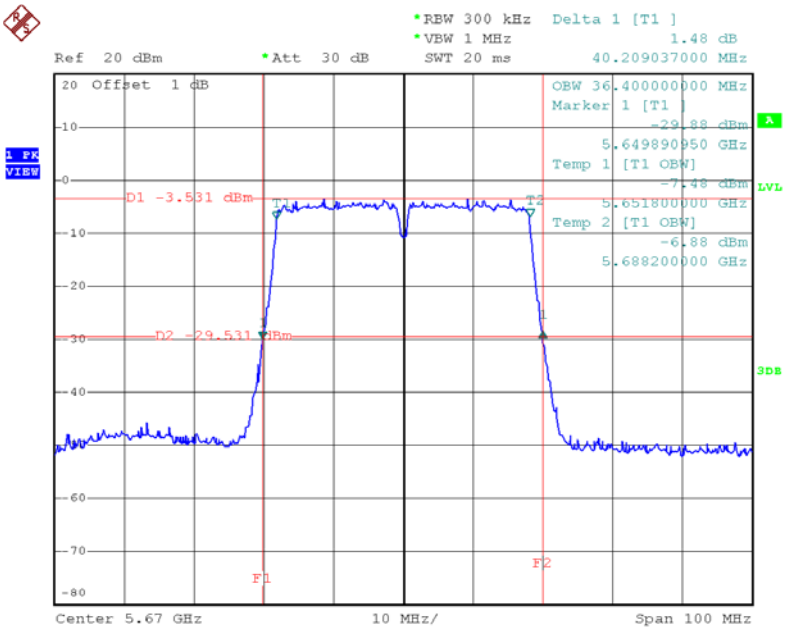


TX CH110



Date: 5.MAY.2015 17:02:43

TX CH134

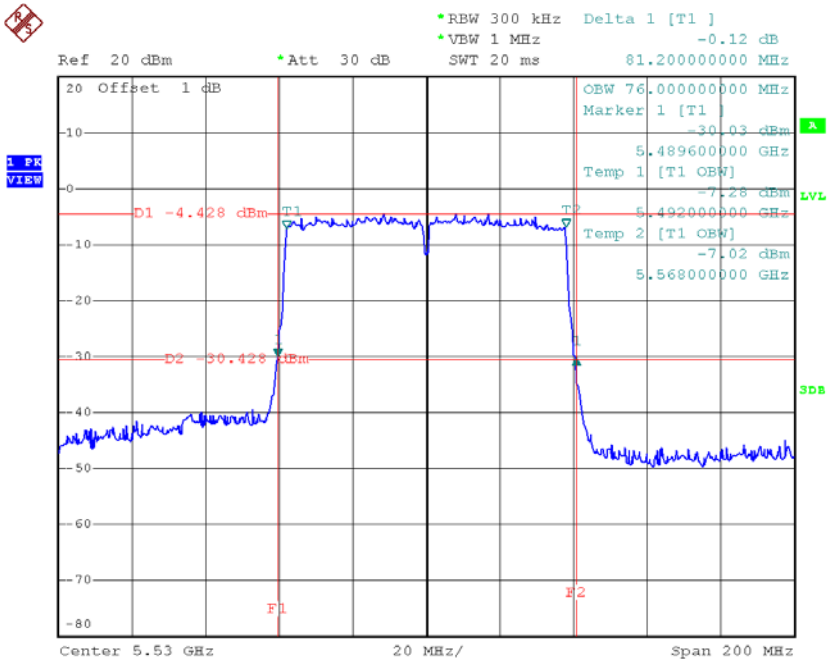


Date: 5.MAY.2015 17:03:27

Test Mode: UNII-2C/TX AC80 Mode_CH106/CH122

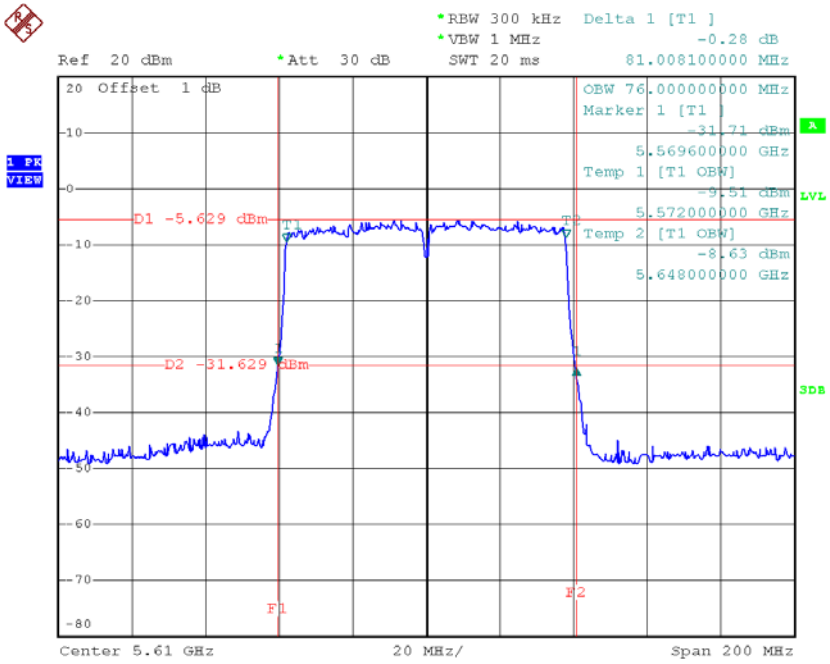
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH106	5530	81.20	76.00
CH122	5610	81.01	76.00

TX CH106



Date: 5.MAY.2015 17:04:32

TX CH122

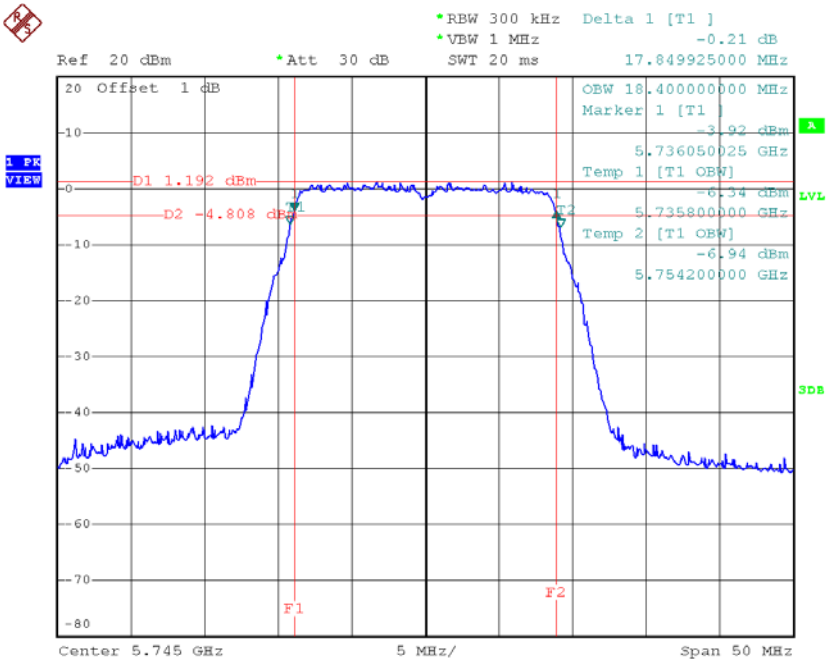


Date: 5.MAY.2015 17:05:45

Test Mode: UNII-3/ TX AC20 Mode_CH149/CH157/CH165

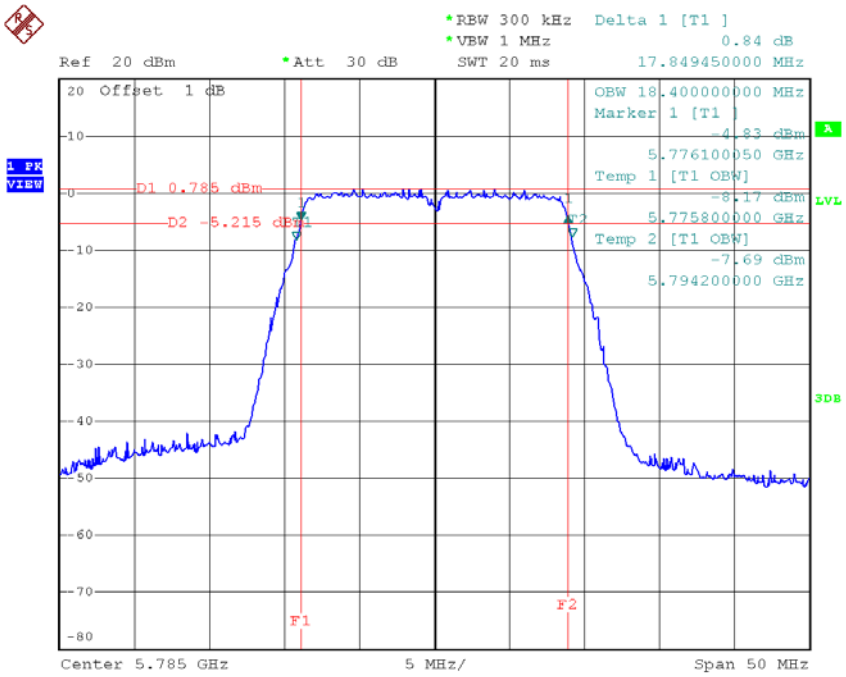
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH149	5745	17.85	18.40	>=500
CH157	5785	17.85	18.40	>=500
CH165	5825	17.80	18.40	>=500

TX CH 149



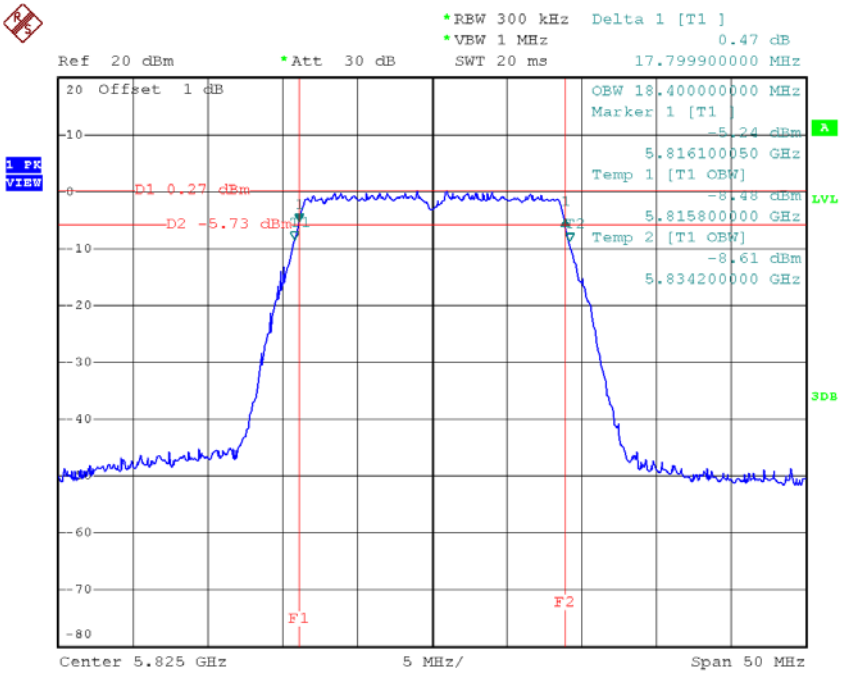
Date: 5.MAY.2015 17:19:34

TX CH 157



Date: 5.MAY.2015 17:20:55

TX CH 165

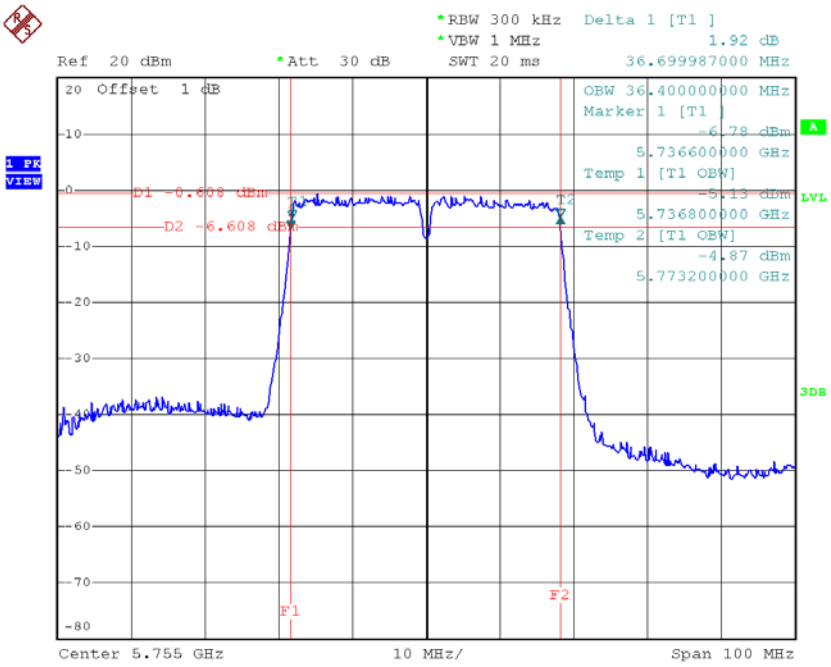


Date: 5.MAY.2015 17:21:37

Test Mode: UNII-3/ TX AC40 Mode_CH151/CH159

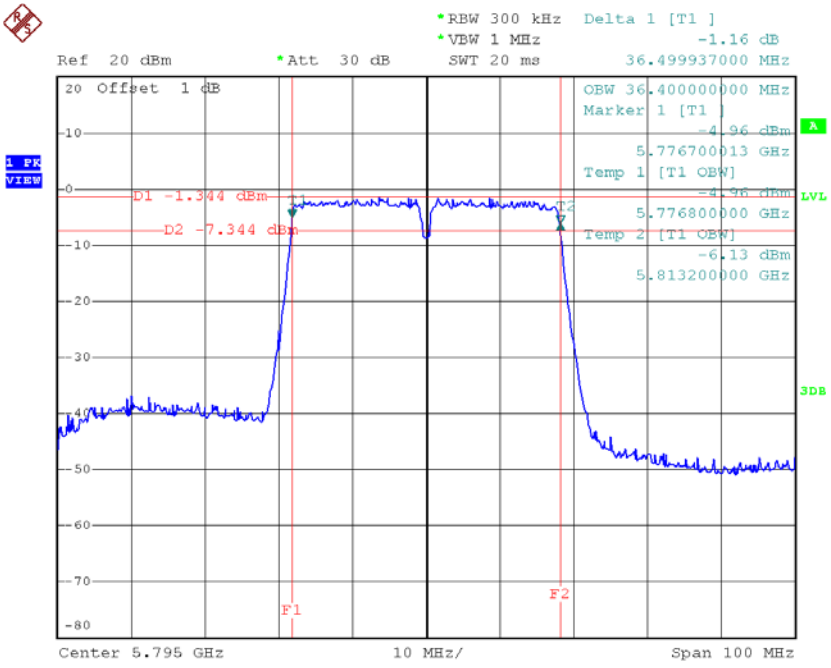
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH151	5755	36.70	36.40	>=500
CH159	5795	36.50	36.40	>=500

TX CH 151



Date: 5.MAY.2015 17:24:28

TX CH 159

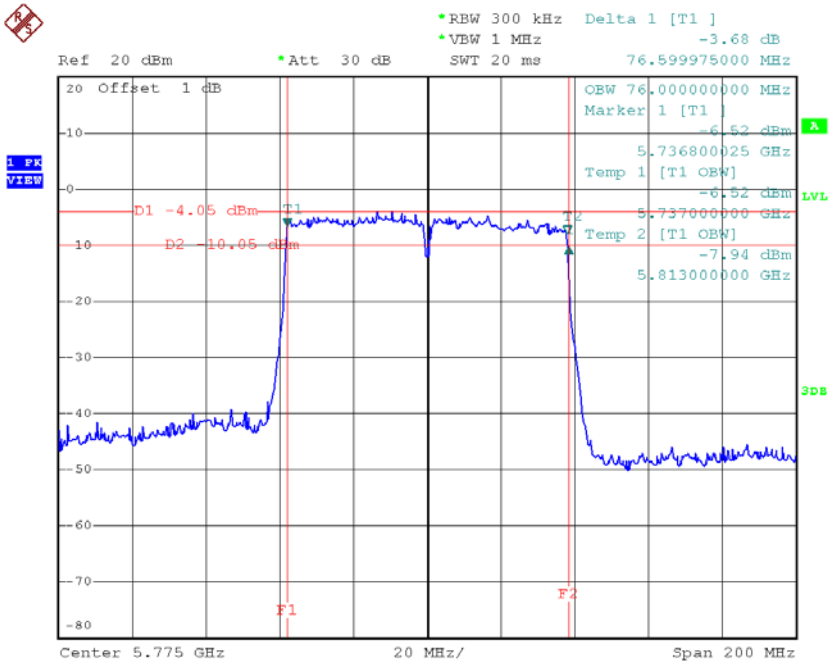


Date: 5.MAY.2015 17:25:40

Test Mode: UNII-3/ TX AC80 Mode_CH155

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH155	5775	76.60	76.00	>=500

TX CH 155



Date: 5.MAY.2015 17:26:45

ATTACHMENTF - MAXIMUM OUTPUT POWER

Test Mode: UNII-1/TX A Mode						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power+Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	10.71	0.08	10.79	24.00	0.25
CH40	5200	10.82	0.08	10.90	24.00	0.25
CH48	5240	10.76	0.08	10.84	24.00	0.25

Test Mode: UNII-1/TX N20 Mode						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power+Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	10.67	0.07	10.74	24.00	0.25
CH40	5200	10.62	0.07	10.69	24.00	0.25
CH48	5240	10.65	0.07	10.72	24.00	0.25

Test Mode: UNII-1/TX N40 Mode						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power+Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH38	5190	10.29	0.30	10.59	24.00	0.25
CH46	5230	10.28	0.30	10.58	24.00	0.25

Test Mode: UNII-2A/TX A Mode						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power+Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH52	5260	10.62	0.08	10.70	24.00	0.25
CH60	5300	10.68	0.08	10.76	24.00	0.25
CH64	5320	10.69	0.08	10.77	24.00	0.25

Test Mode: UNII-2A/TX N20 Mode						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power+Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH52	5260	10.28	0.07	10.35	24.00	0.25
CH60	5300	10.58	0.07	10.65	24.00	0.25
CH64	5320	10.43	0.07	10.50	24.00	0.25

Test Mode: UNII-2A/TX N40 Mode						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power+Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH54	5270	10.02	0.30	10.32	24.00	0.25
CH62	5310	10.15	0.30	10.45	24.00	0.25

Test Mode: UNII-2C/TX A Mode						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power+Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH100	5500	10.43	0.08	10.51	24.00	0.25
CH116	5580	10.37	0.08	10.45	24.00	0.25
CH140	5700	10.31	0.08	10.39	24.00	0.25

Test Mode: UNII-2C/TX N20 Mode						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power+Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH100	5500	10.41	0.07	10.48	24.00	0.25
CH116	5580	10.30	0.07	10.37	24.00	0.25
CH140	5700	10.21	0.07	10.28	24.00	0.25

Test Mode: UNII-2C/TX N40 Mode						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power+Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH102	5510	10.51	0.30	10.81	24.00	0.25
CH110	5550	10.29	0.30	10.59	24.00	0.25
CH134	5670	9.57	0.30	9.87	24.00	0.25

Test Mode: UNII-3/ TX A Mode						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power+Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	10.30	0.08	10.38	30.00	1.00
CH157	5785	10.39	0.08	10.47	30.00	1.00
CH165	5825	10.52	0.08	10.60	30.00	1.00

Test Mode: UNII-3/TX N20 Mode						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power+Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	10.29	0.07	10.36	30.00	1.00
CH157	5785	10.36	0.07	10.43	30.00	1.00
CH165	5825	10.63	0.07	10.70	30.00	1.00

Test Mode: UNII-3/ TX N40 Mode						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power+Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH151	5755	10.29	0.30	10.59	30.00	1.00
CH159	5795	10.30	0.30	10.60	30.00	1.00

Test Mode: UNII-1/TX AC20 Mode

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power+Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	10.60	0.11	10.71	24.00	0.25
CH40	5200	10.61	0.11	10.72	24.00	0.25
CH48	5240	10.58	0.11	10.69	24.00	0.25

Test Mode: UNII-1/TX AC40 Mode

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power+Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH38	5190	10.35	0.29	10.64	24.00	0.25
CH46	5230	10.54	0.29	10.83	24.00	0.25

Test Mode: UNII-1/TX AC80 Mode

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power+Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH42	5210	9.64	0.66	10.30	24.00	0.25

Test Mode: UNII-2A/TX AC20 Mode						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power+Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH52	5260	10.51	0.11	10.62	24.00	0.25
CH60	5300	10.60	0.11	10.71	24.00	0.25
CH64	5320	10.38	0.11	10.49	24.00	0.25

Test Mode: UNII-2A/TX AC40 Mode						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power+Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH54	5270	10.05	0.29	10.34	24.00	0.25
CH62	5310	10.18	0.29	10.47	24.00	0.25

Test Mode: UNII-2A/TX AC80 Mode						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power+Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH58	5290	9.74	0.66	10.40	24.00	0.25

Test Mode: UNII-2C/TX AC20 Mode						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power+Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH100	5500	10.39	0.11	10.50	24.00	0.25
CH116	5580	10.16	0.11	10.27	24.00	0.25
CH140	5700	10.00	0.11	10.11	24.00	0.25

Test Mode: UNII-2C/TX AC40 Mode						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power+Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH102	5510	10.28	0.29	10.57	24.00	0.25
CH110	5550	10.33	0.29	10.62	24.00	0.25
CH134	5670	9.71	0.29	10.00	24.00	0.25

Test Mode: UNII-2C/TX AC80 Mode						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power+Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH106	5530	9.98	0.66	10.64	24.00	0.25
CH122	5610	10.12	0.66	10.78	24.00	0.25

Test Mode: UNII-3/TX AC20 Mode

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power+Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	10.32	0.11	10.43	30.00	1.00
CH157	5785	10.19	0.11	10.30	30.00	1.00
CH165	5825	9.78	0.11	9.89	30.00	1.00

Test Mode: UNII-3/TX AC40 Mode

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power+Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH151	5755	10.22	0.29	10.51	30.00	1.00
CH159	5795	10.25	0.29	10.54	30.00	1.00

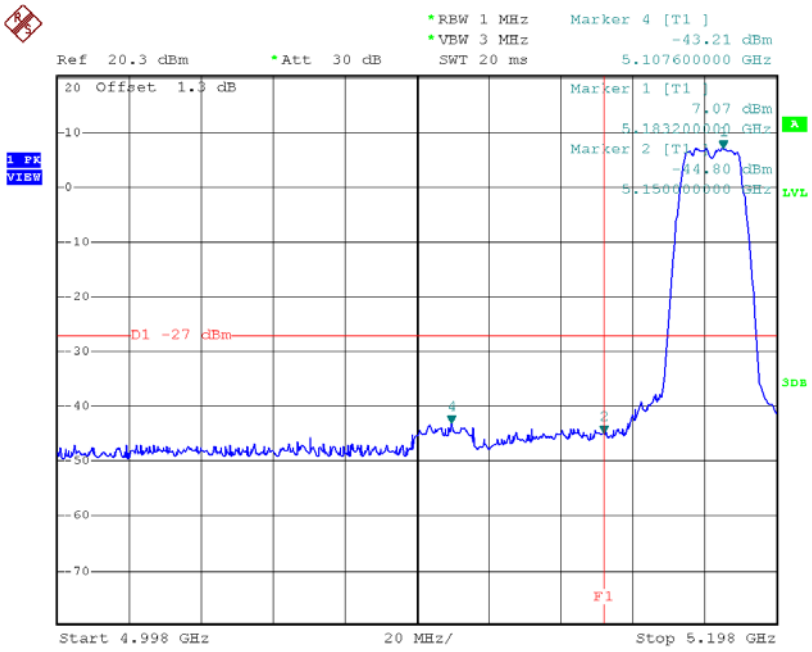
Test Mode: UNII-3/TX AC80 Mode

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power+Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH155	5775	10.25	0.66	10.91	30.00	1.00

ATTACHMENTG - ANTENNA CONDUCTED SPURIOUS EMISSION

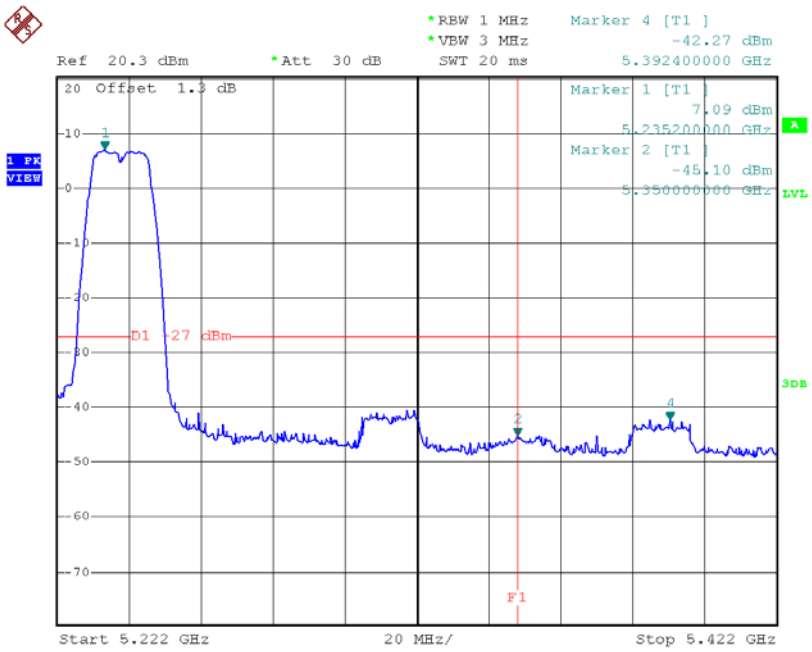
Test Mode:	UNII-1/TX A Mode

TX mode CH36



Date: 5.MAY.2015 15:58:49

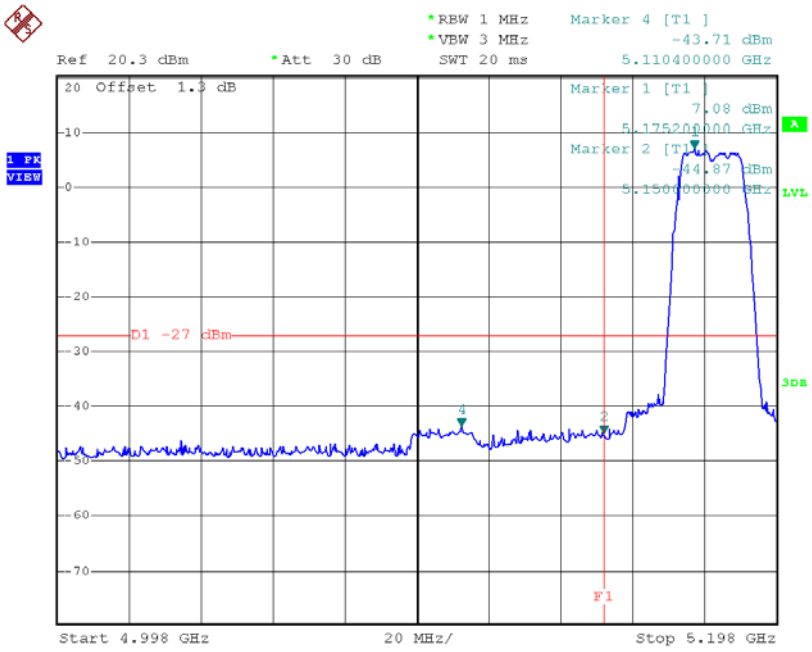
TX modeCH48



Date: 5.MAY.2015 16:02:39

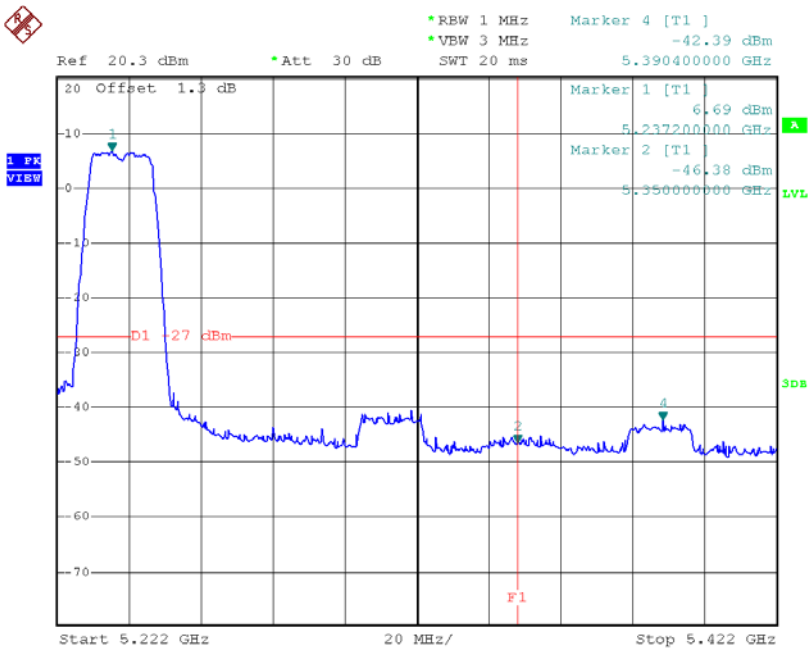
Test Mode:	UNII-1/TX N20 Mode

TX mode CH36



Date: 5.MAY.2015 16:04:32

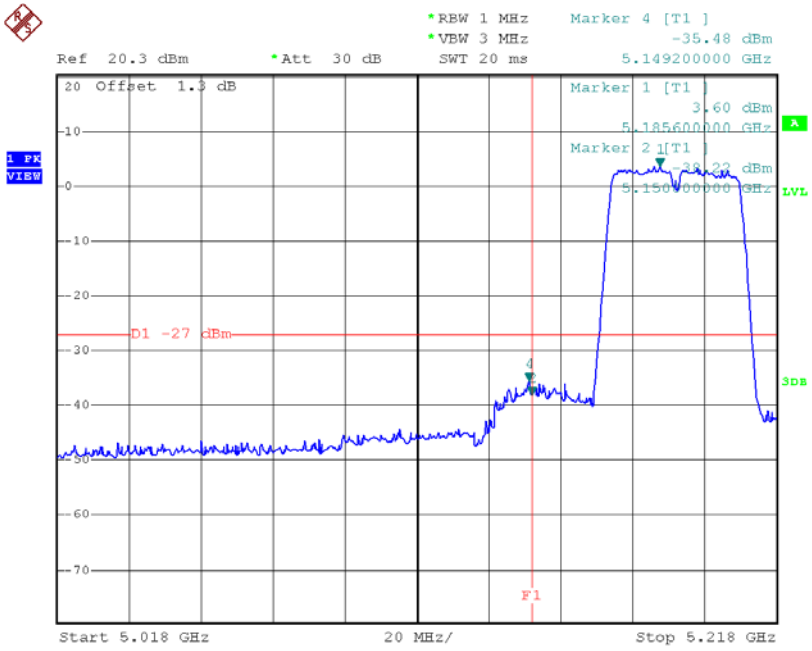
TX modeCH48



Date: 5.MAY.2015 16:07:10

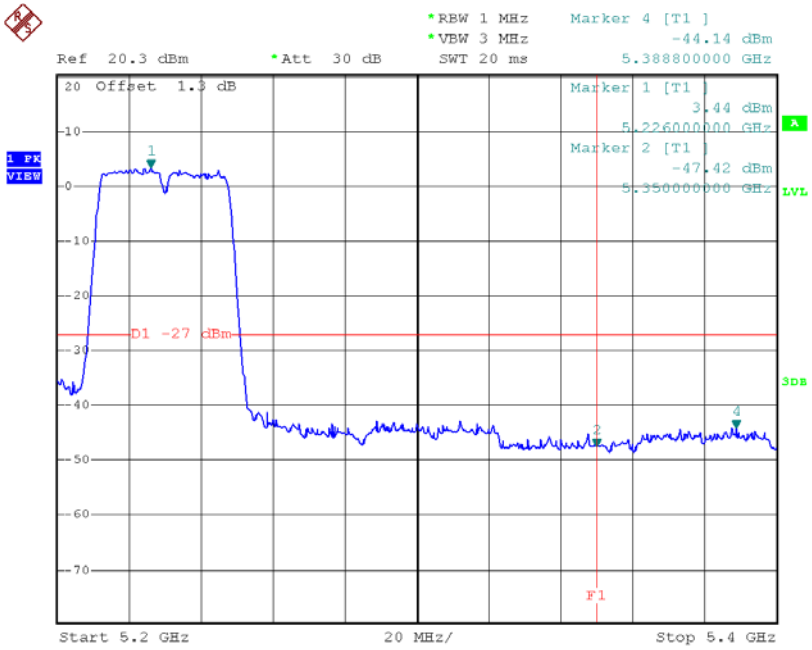
Test Mode:	UNII-1/TX N40 Mode

TX mode CH38



Date: 5.MAY.2015 16:11:28

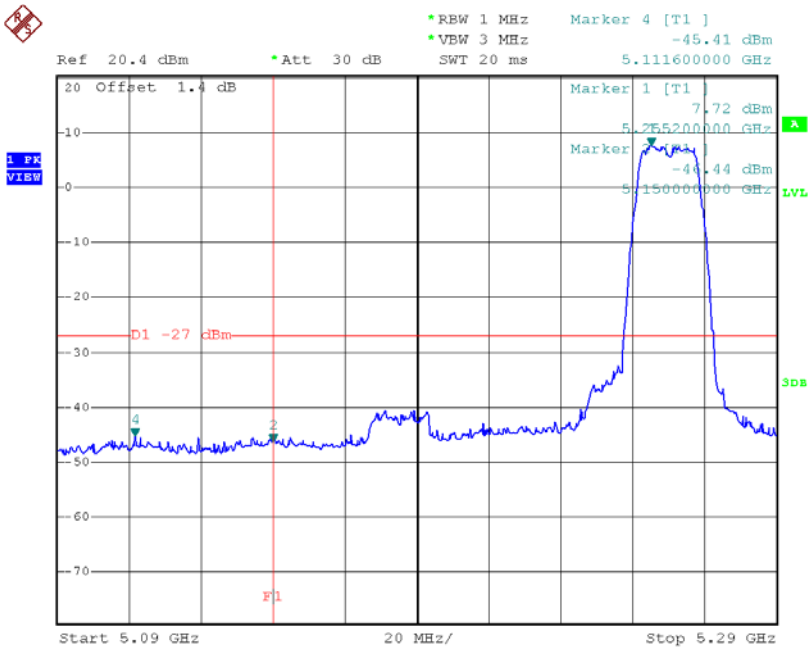
TX modeCH46



Date: 5.MAY.2015 16:12:50

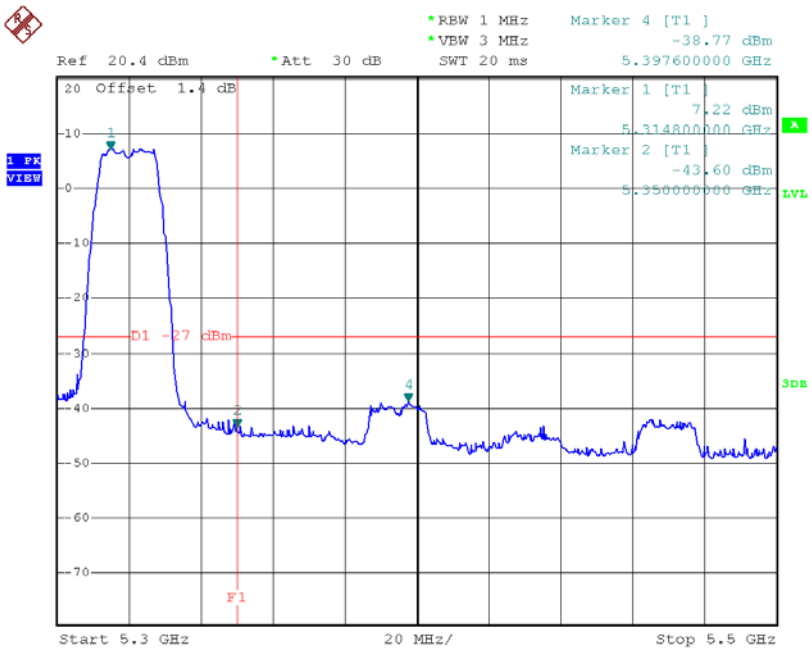
Test Mode:	UNII-2A/TX A Mode

TX mode CH52



Date: 5.MAY.2015 16:18:52

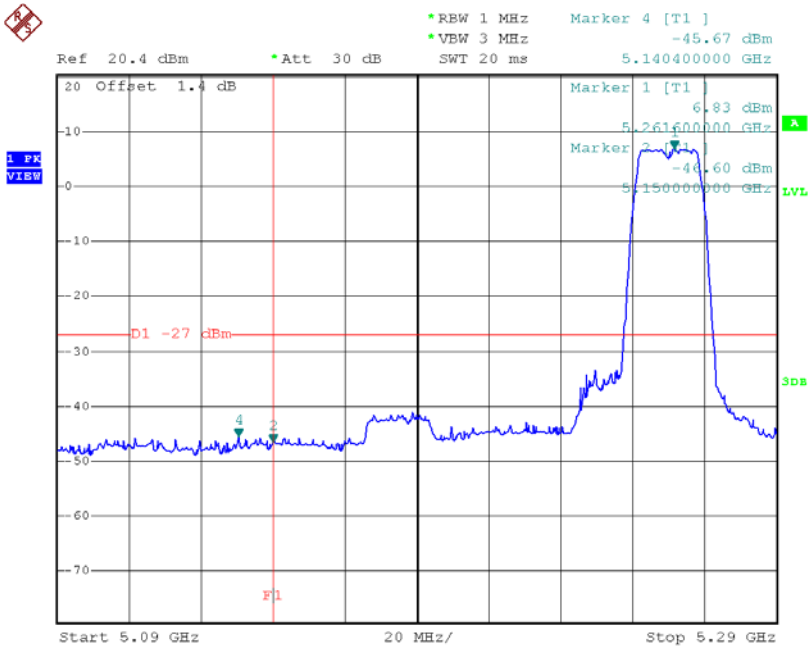
TX modeCH64



Date: 5.MAY.2015 16:21:47

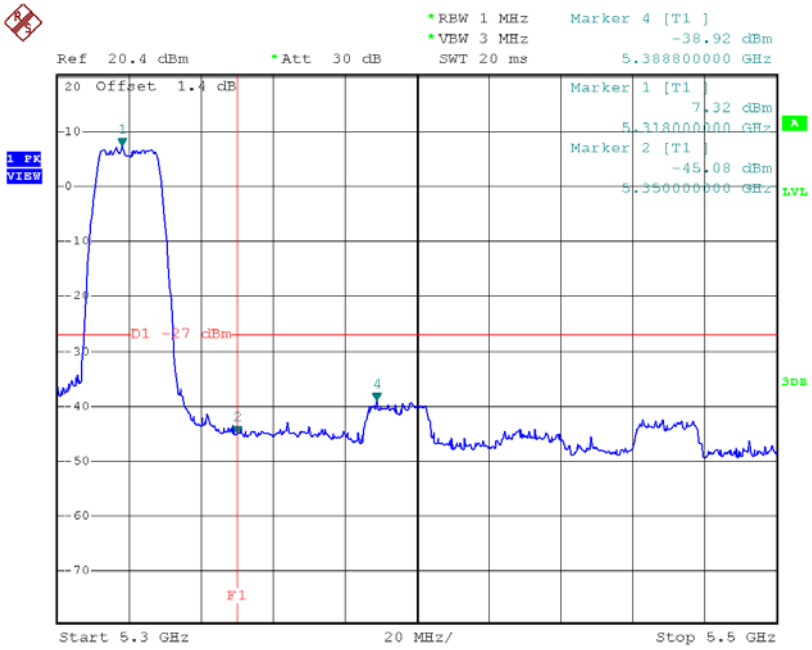
Test Mode:	UNII-2A/TX N20 Mode

TX mode CH52



Date: 5.MAY.2015 16:23:42

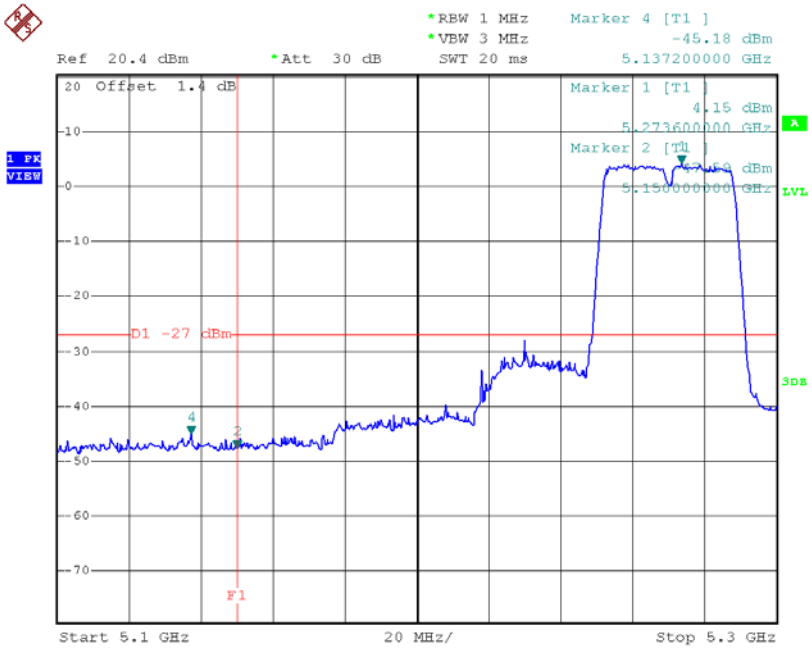
TX modeCH64



Date: 5.MAY.2015 16:25:22

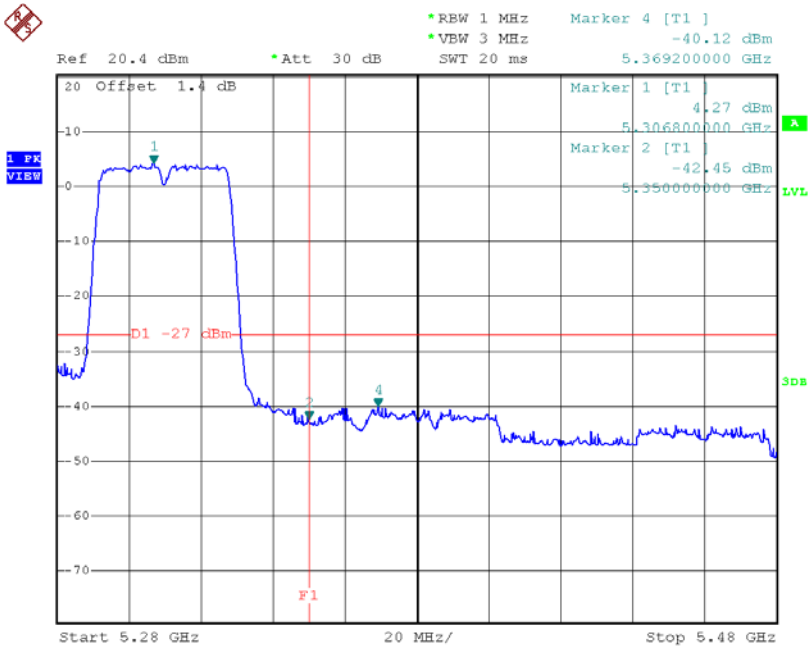
Test Mode:	UNII-2A/TX N40 Mode

TX mode CH54



Date: 5.MAY.2015 16:30:00

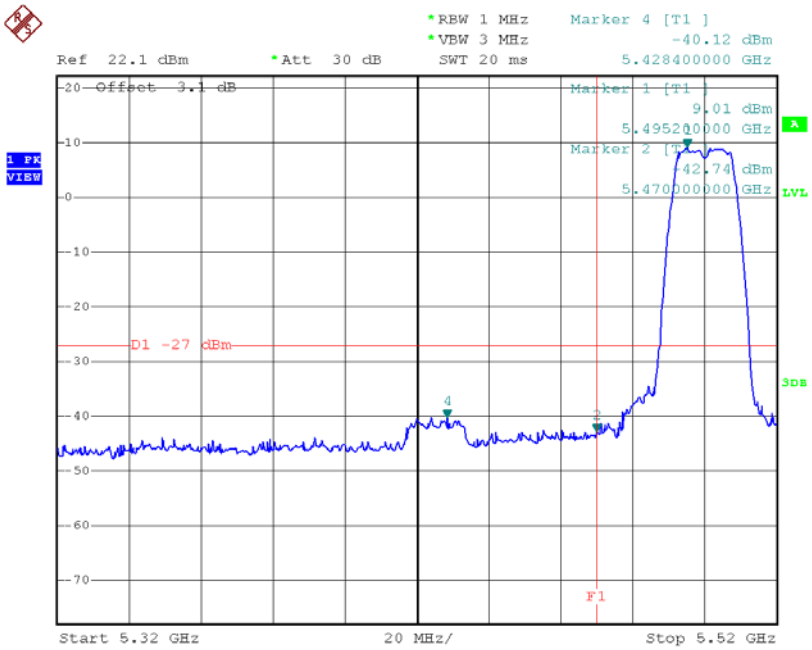
TX modeCH62



Date: 5.MAY.2015 16:31:03

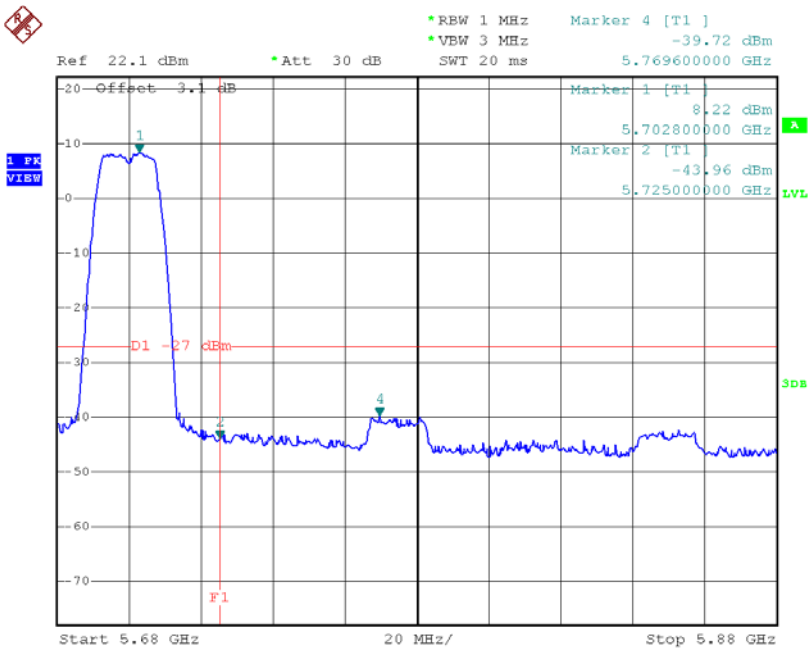
Test Mode:	UNII-2C/TX A Mode

TX mode CH100



Date: 5.MAY.2015 16:46:12

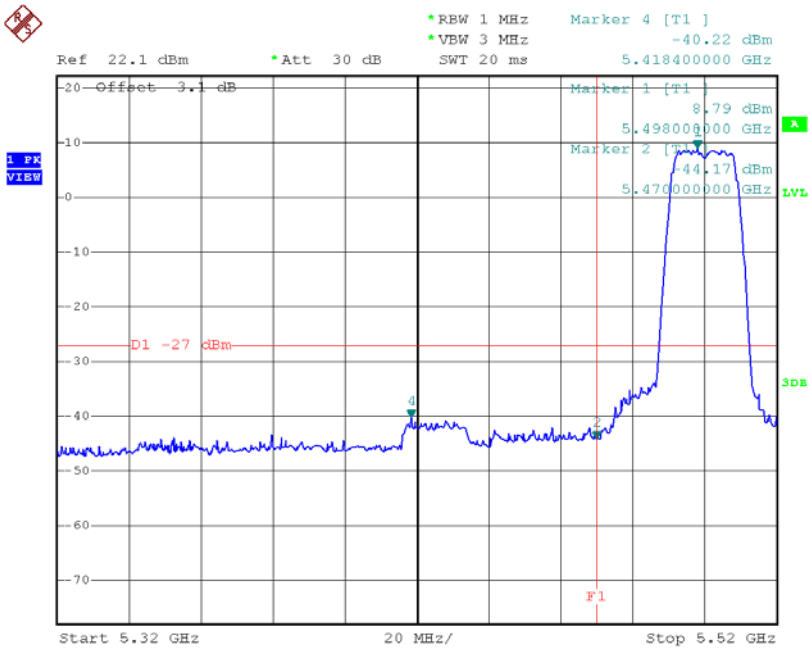
TX modeCH140



Date: 5.MAY.2015 16:49:40

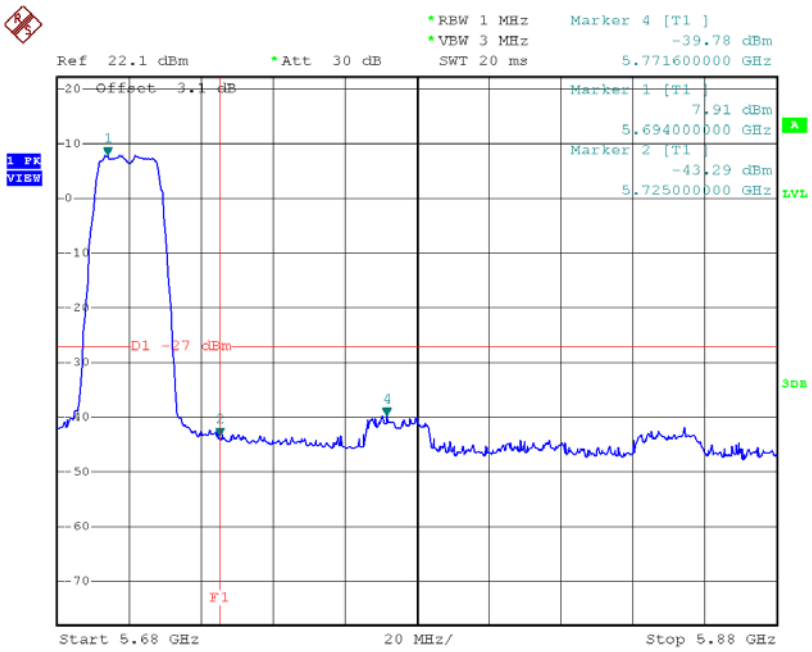
Test Mode:	UNII-2C/TX N20 Mode

TX mode CH100



Date: 5.MAY.2015 16:51:17

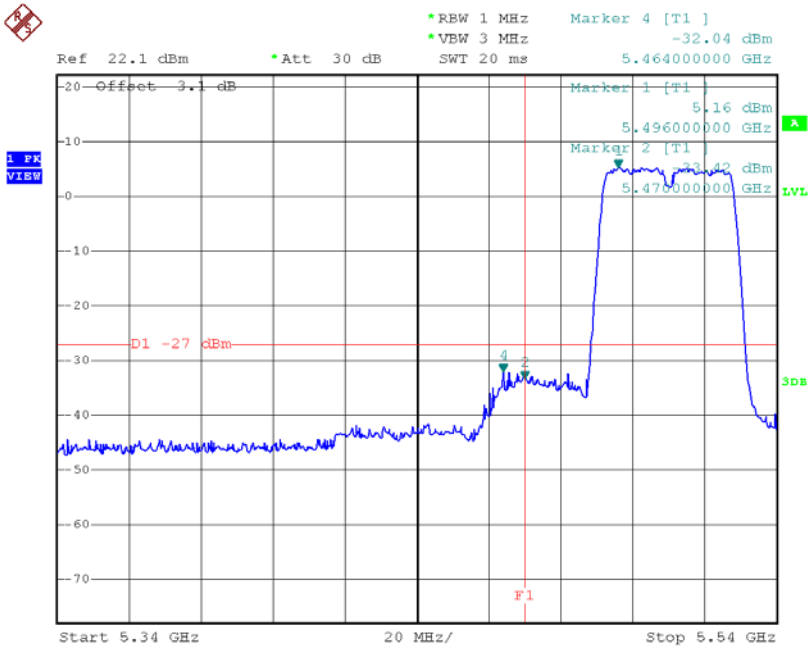
TX modeCH140



Date: 5.MAY.2015 16:52:45

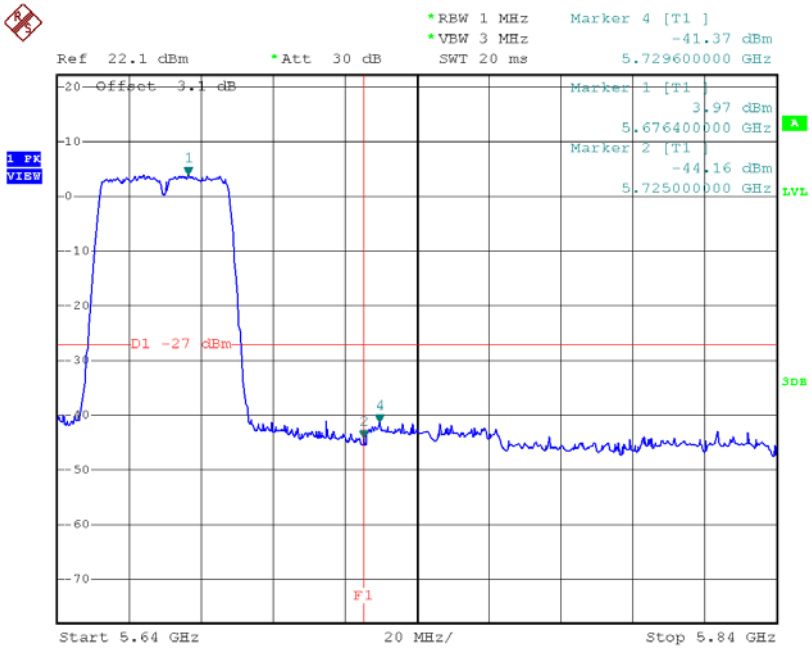
Test Mode:	UNII-2C/TX N40 Mode

TX mode CH102



Date: 5.MAY.2015 16:57:46

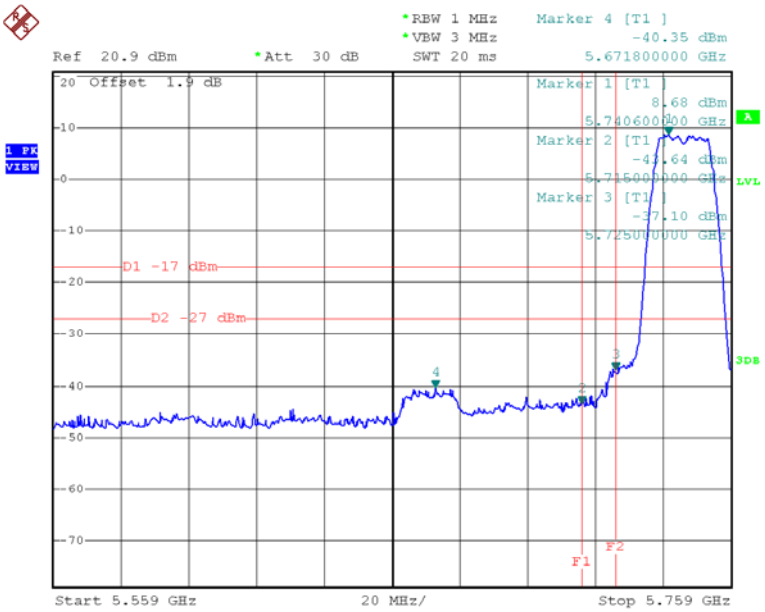
TX modeCH134



Date: 5.MAY.2015 17:00:27

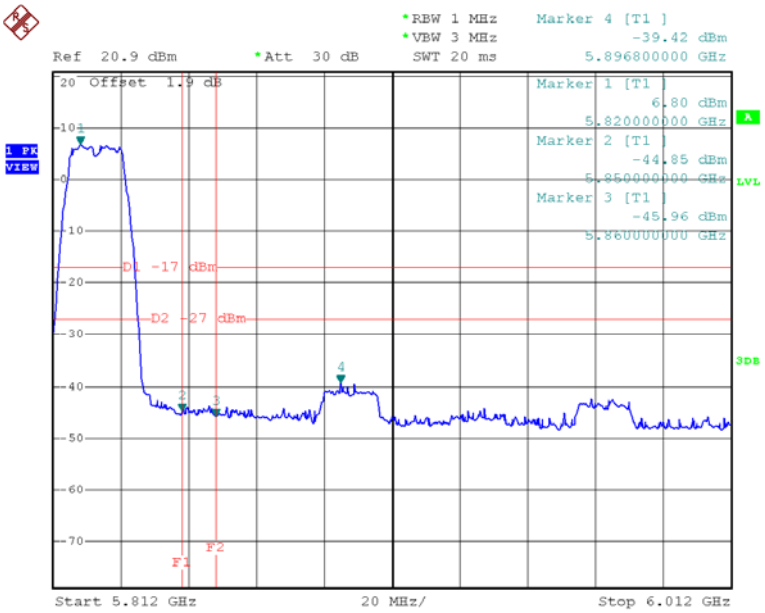
Test Mode:	UNII-3/TX A Mode

TX A Mode CH149



Date: 5.MAY.2015 17:10:08

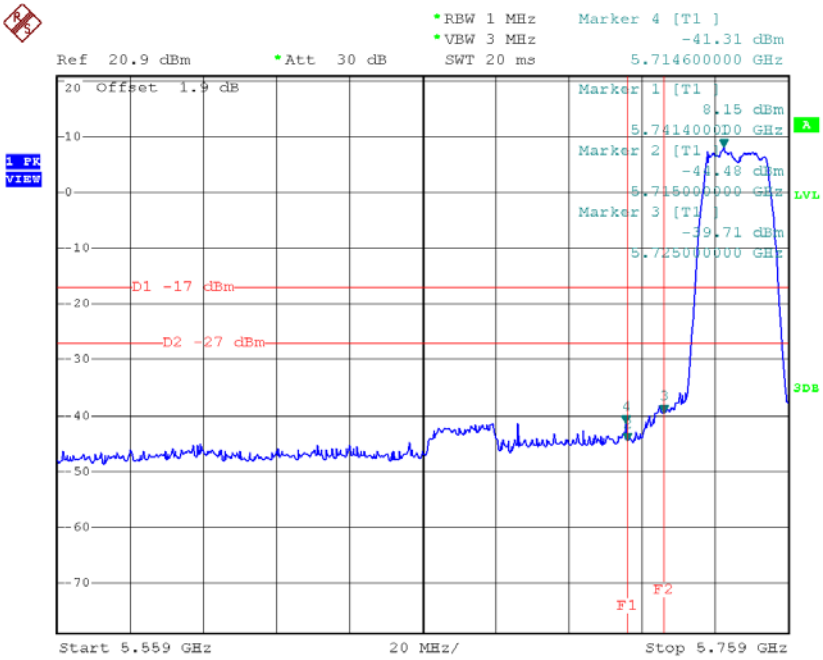
TX A Mode CH165



Date: 5.MAY.2015 17:14:20

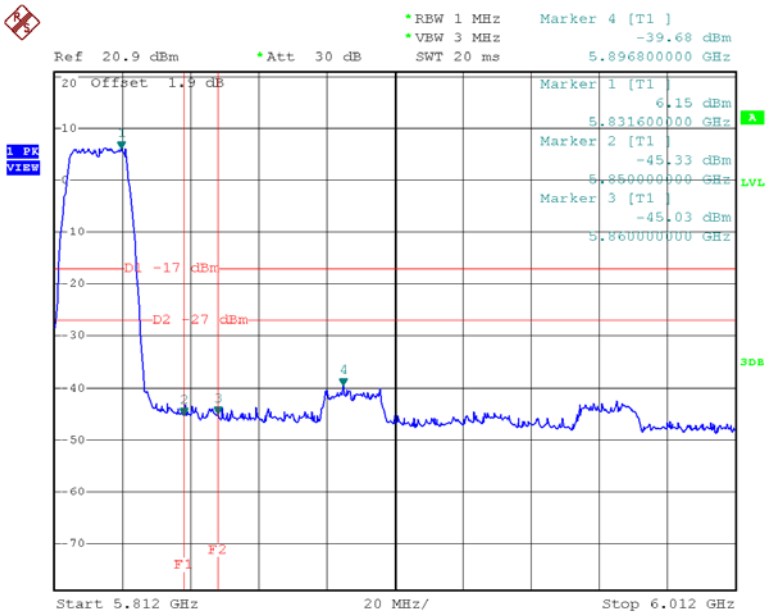
Test Mode:	UNII-3/TX N20 Mode

TX HT20 mode CH149



Date: 5.MAY.2015 17:15:34

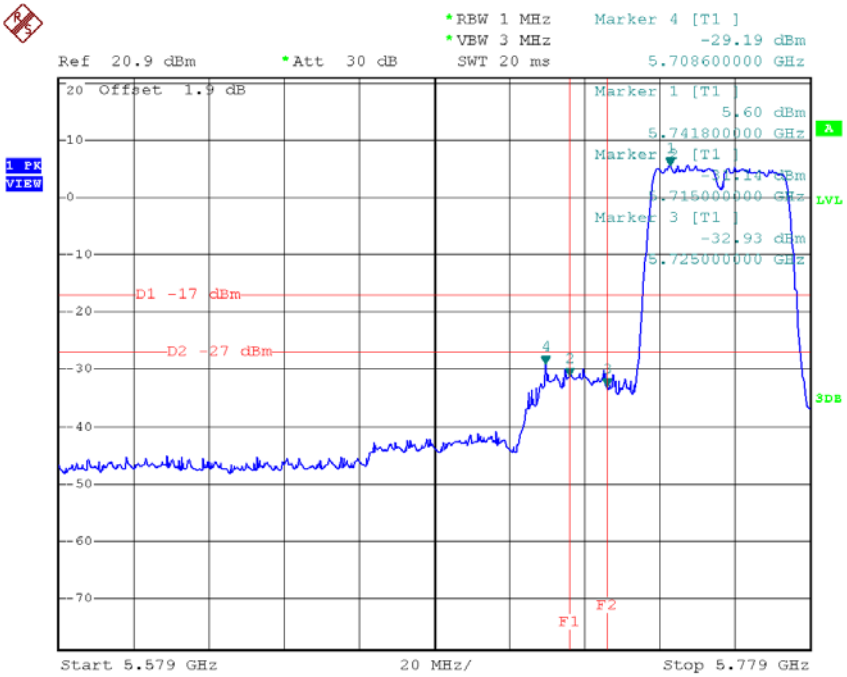
TX HT20 mode CH165



Date: 5.MAY.2015 17:17:37

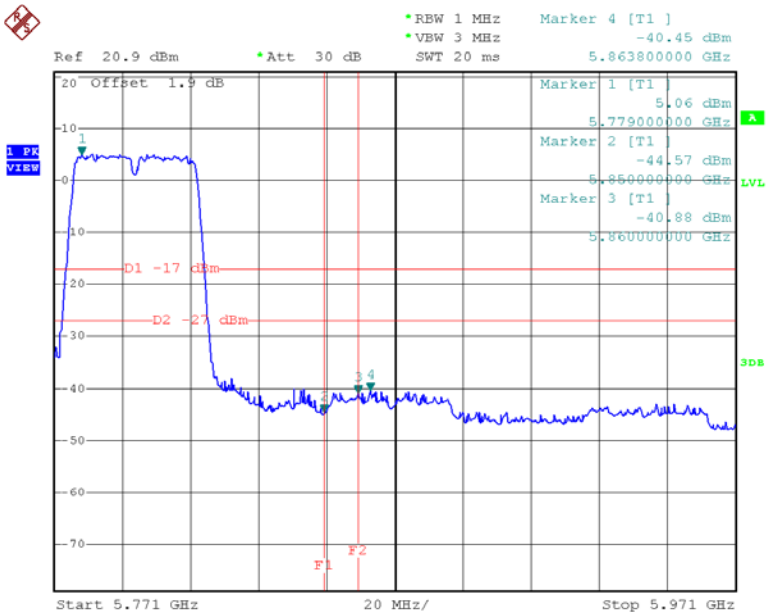
Test Mode:	UNII-3/TX N40 Mode

UNII-3/TX HT40 mode CH151



Date: 5.MAY.2015 17:22:44

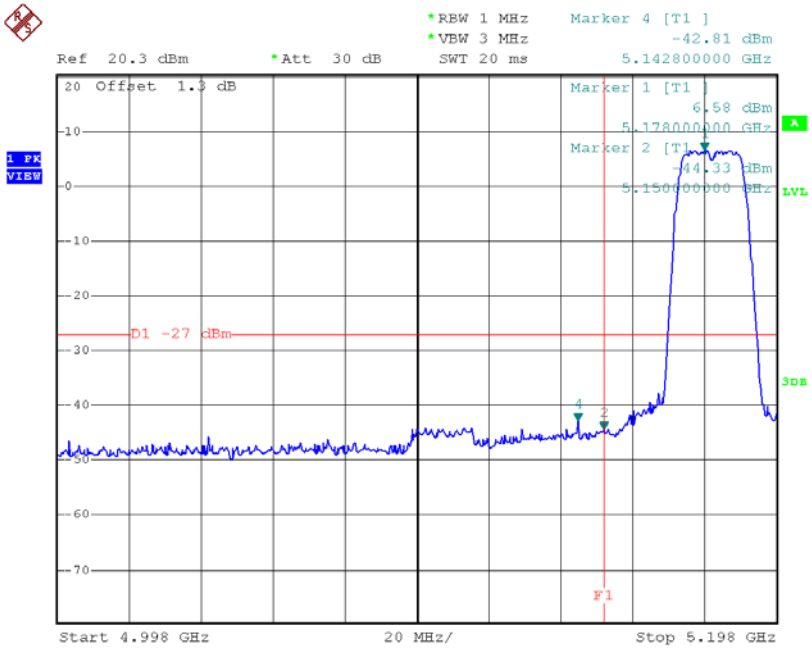
UNII-3/TX HT40 mode CH159



Date: 5.MAY.2015 17:23:51

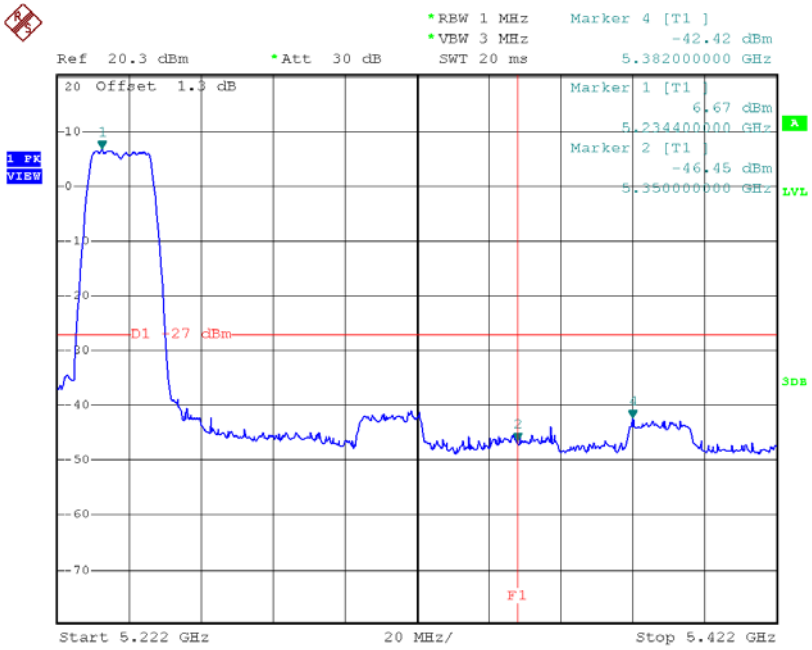
Test Mode:	UNII-1/TX AC20 Mode

TX mode CH36



Date: 5.MAY.2015 16:08:13

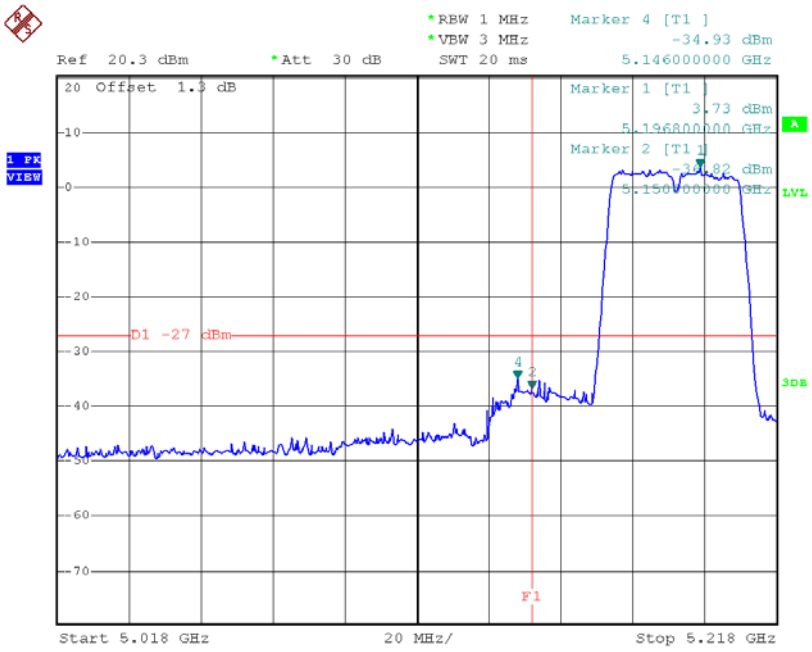
TX modeCH48



Date: 5.MAY.2015 16:10:24

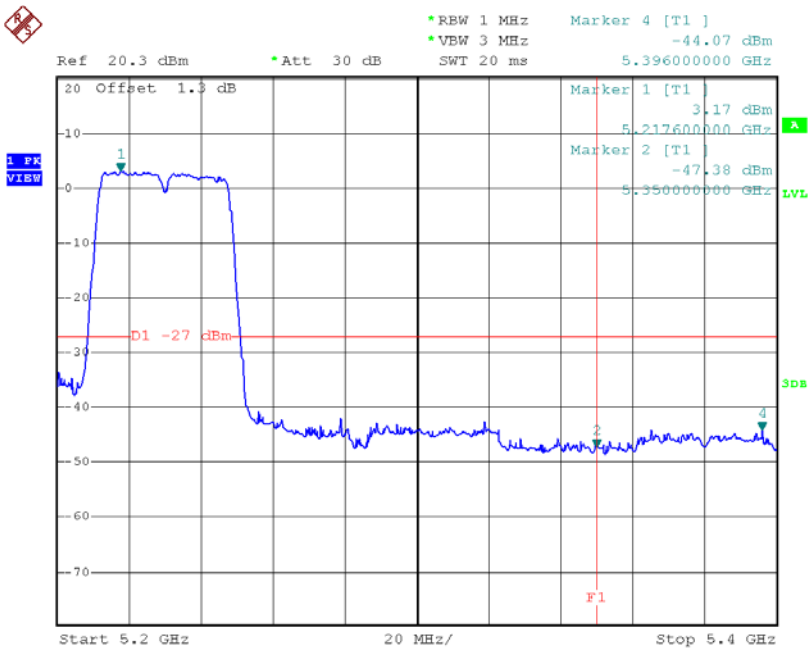
Test Mode:	UNII-1/TX AC40 Mode

TX mode CH38



Date: 5.MAY.2015 16:13:46

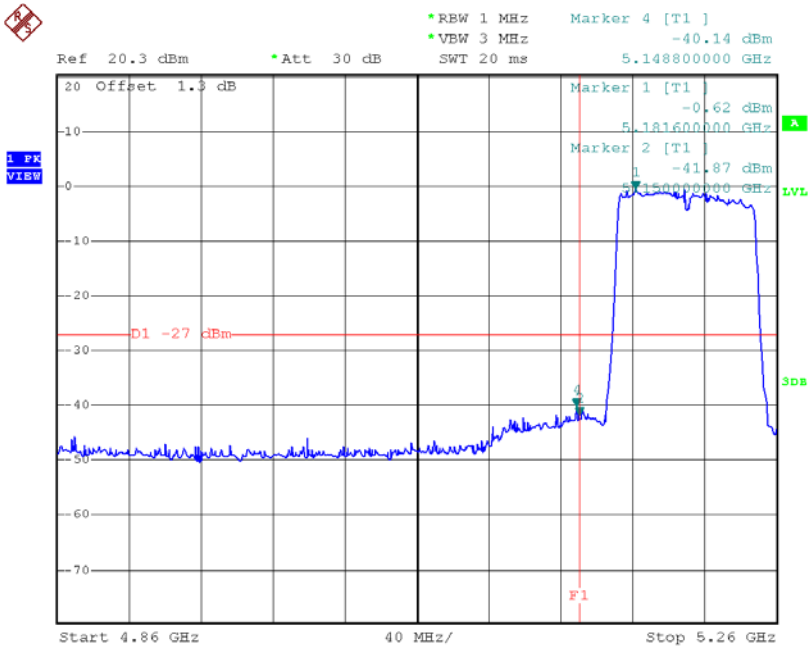
TX modeCH46



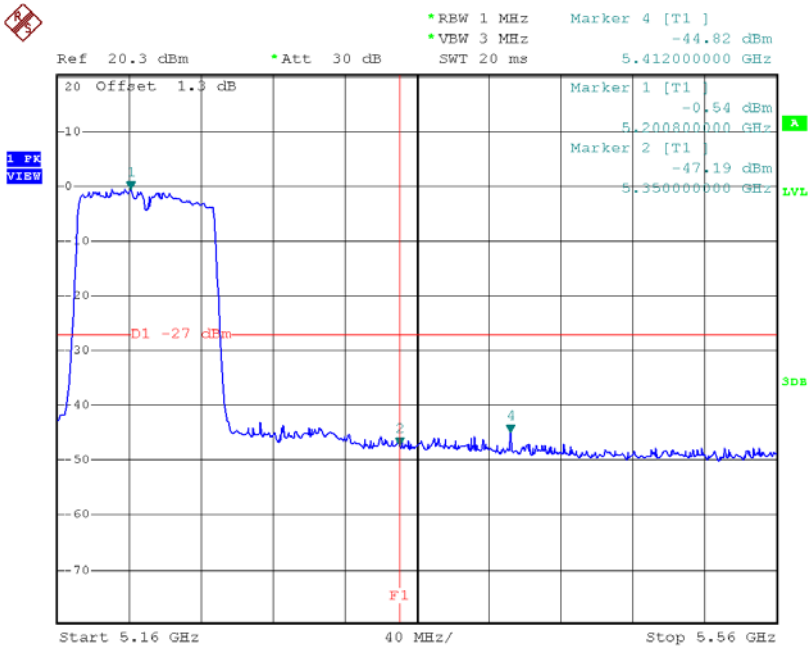
Date: 5.MAY.2015 16:14:55

Test Mode:	UNII-1/TX AC80 Mode

TX mode CH42



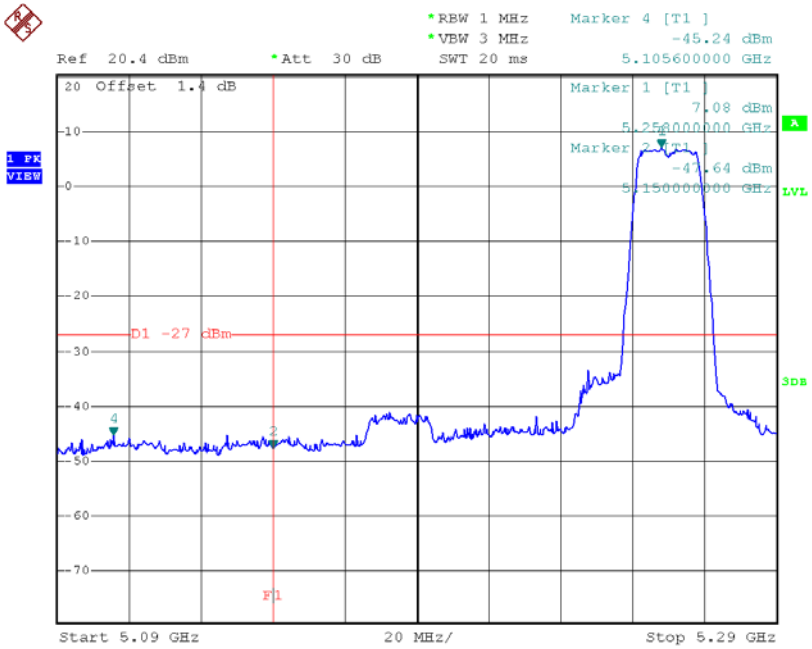
Date: 5.MAY.2015 16:16:20



Date: 5.MAY.2015 16:16:28

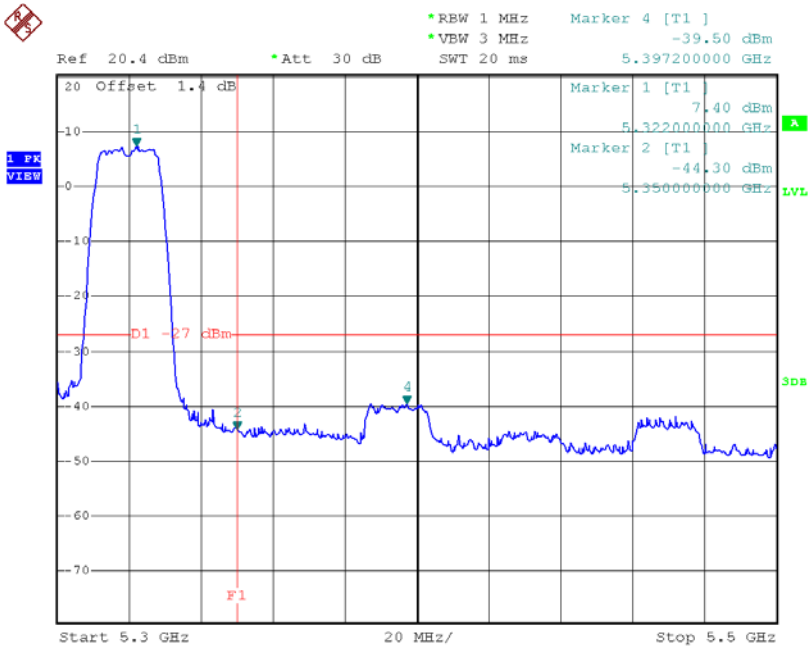
Test Mode:	UNII-2A/TX AC20 Mode

TX mode CH52



Date: 5.MAY.2015 16:26:42

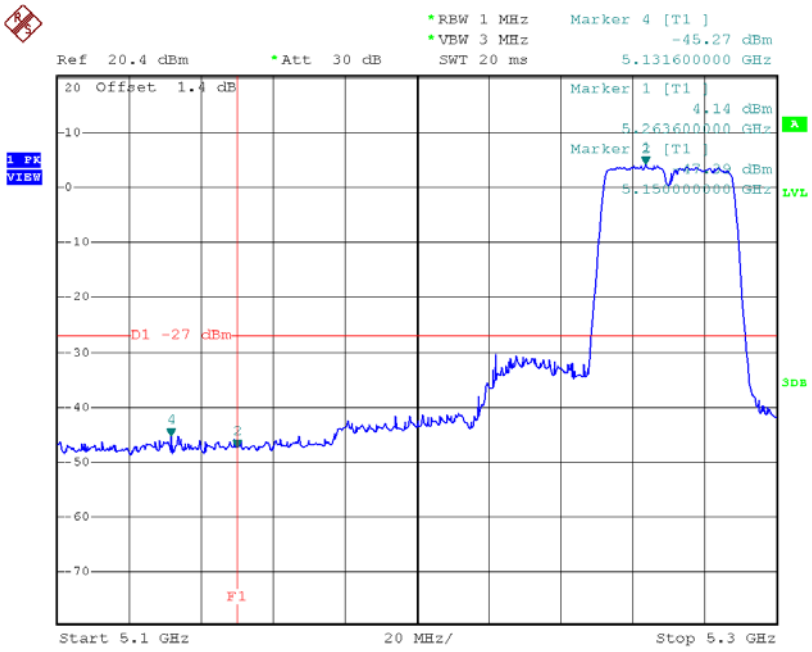
TX modeCH64



Date: 5.MAY.2015 16:28:09

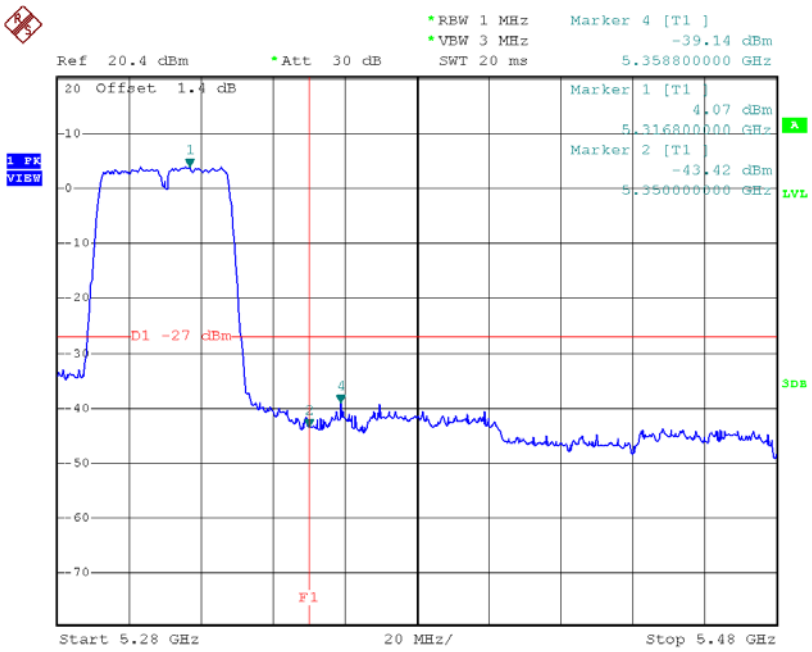
Test Mode:	UNII-2A/TX AC40 Mode

TX mode CH54



Date: 5.MAY.2015 16:32:10

TX modeCH62



Date: 5.MAY.2015 16:33:02